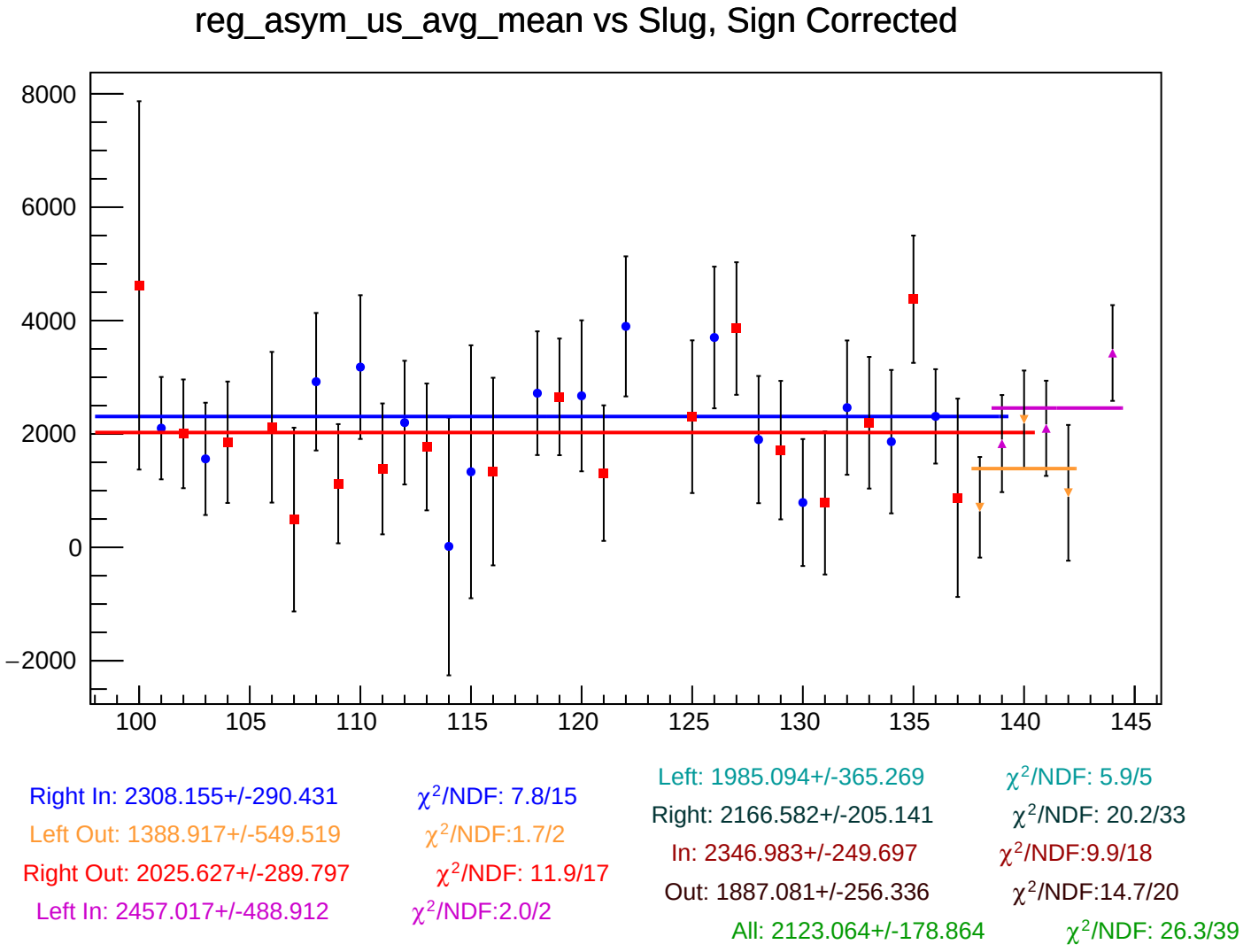
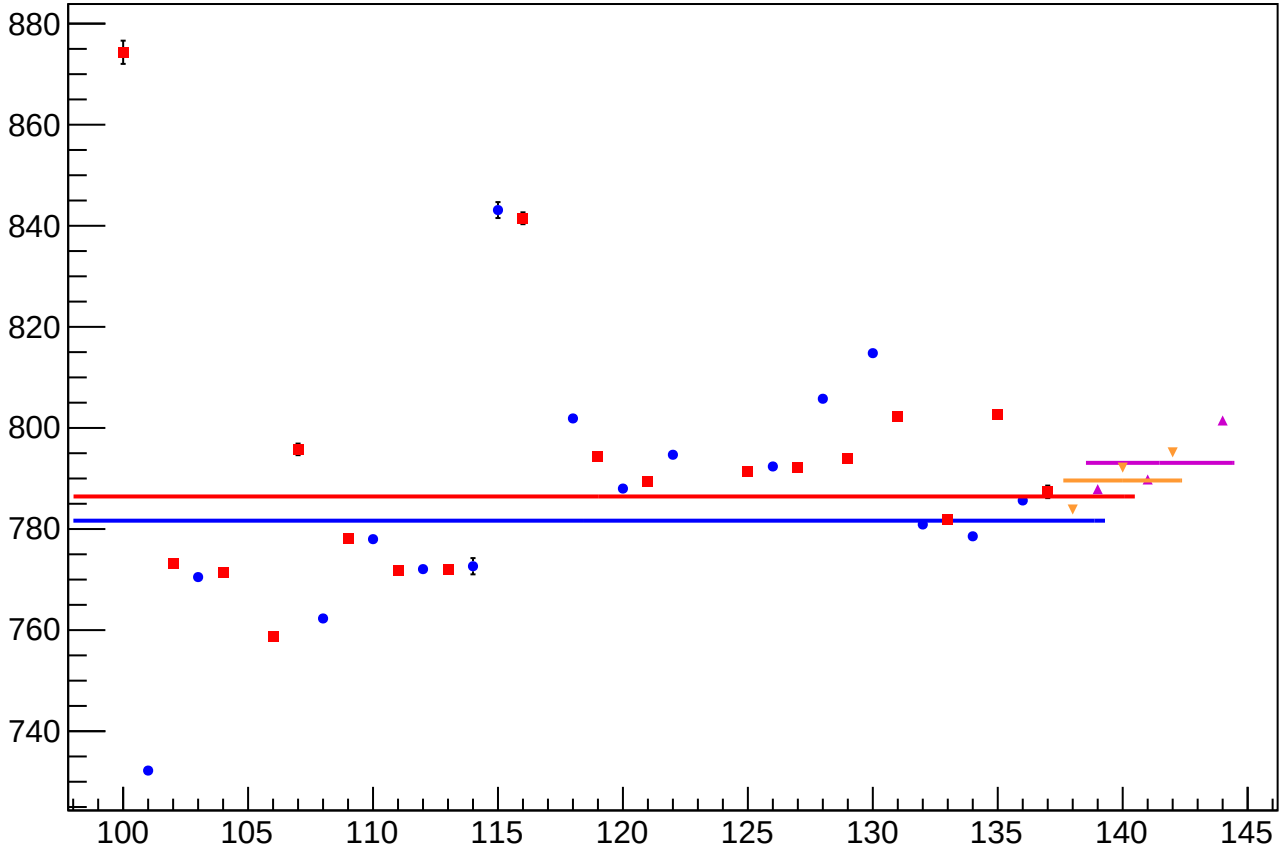

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
140
145
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1388.917+/-549.519 χ²/NDF:1.7/2
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 2457.017+/-488.912 χ²/NDF:2.0/2
Left: 1985.094+/-365.269 χ²/NDF: 5.9/5
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2346.983+/-249.697 χ²/NDF:9.9/18
Out: 1887.081+/-256.336 χ²/NDF:14.7/20
All: 2123.064+/-178.864 χ²/NDF: 26.3/39

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

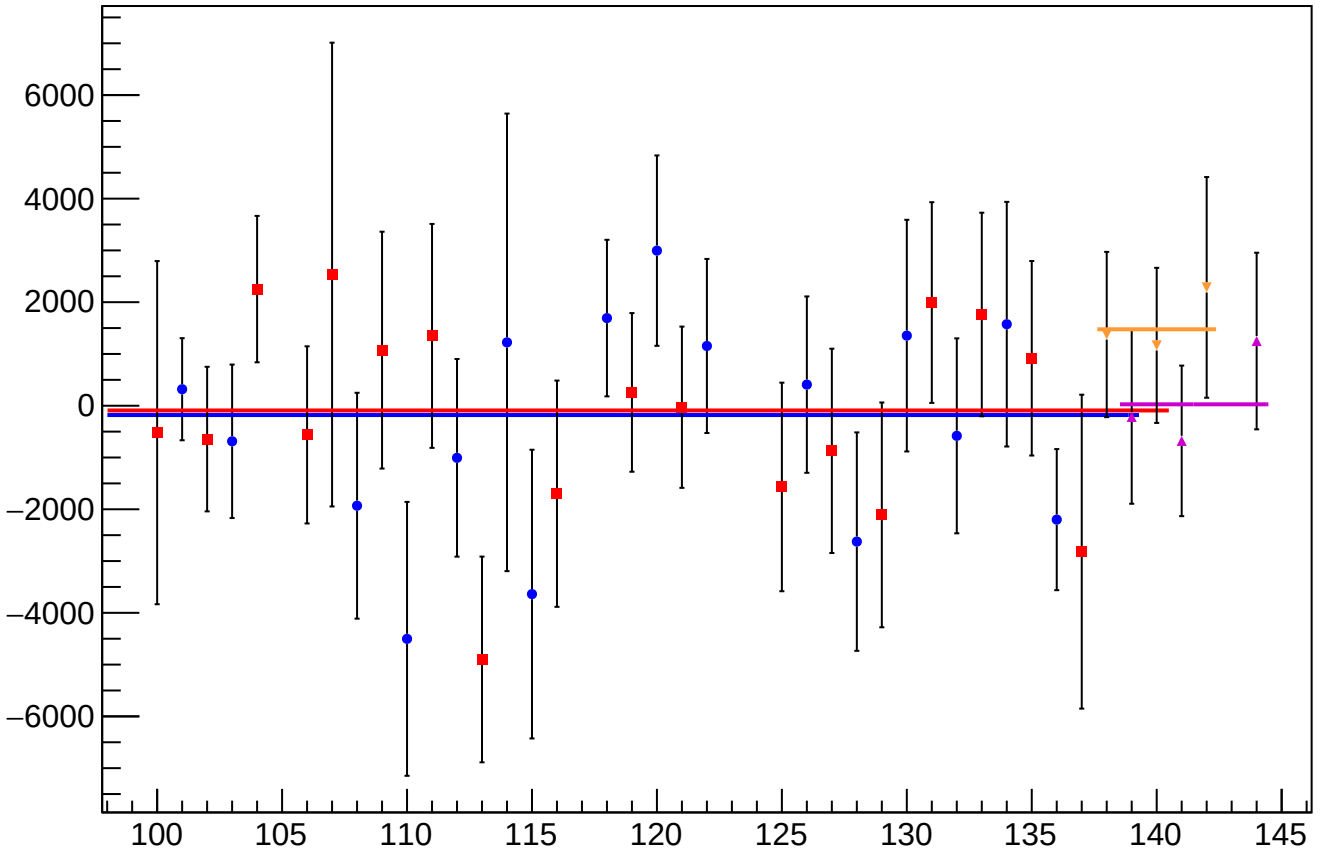
Left: 791.553+/-0.258 χ^2/NDF: 491.0/5

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

In: 784.638+/-0.177 χ^2/NDF:13430.2/18

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.852+/-0.126 χ^2/NDF: 20925.1/39



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

Left In: 27.124+/-923.692 χ^2/NDF:0.8/2

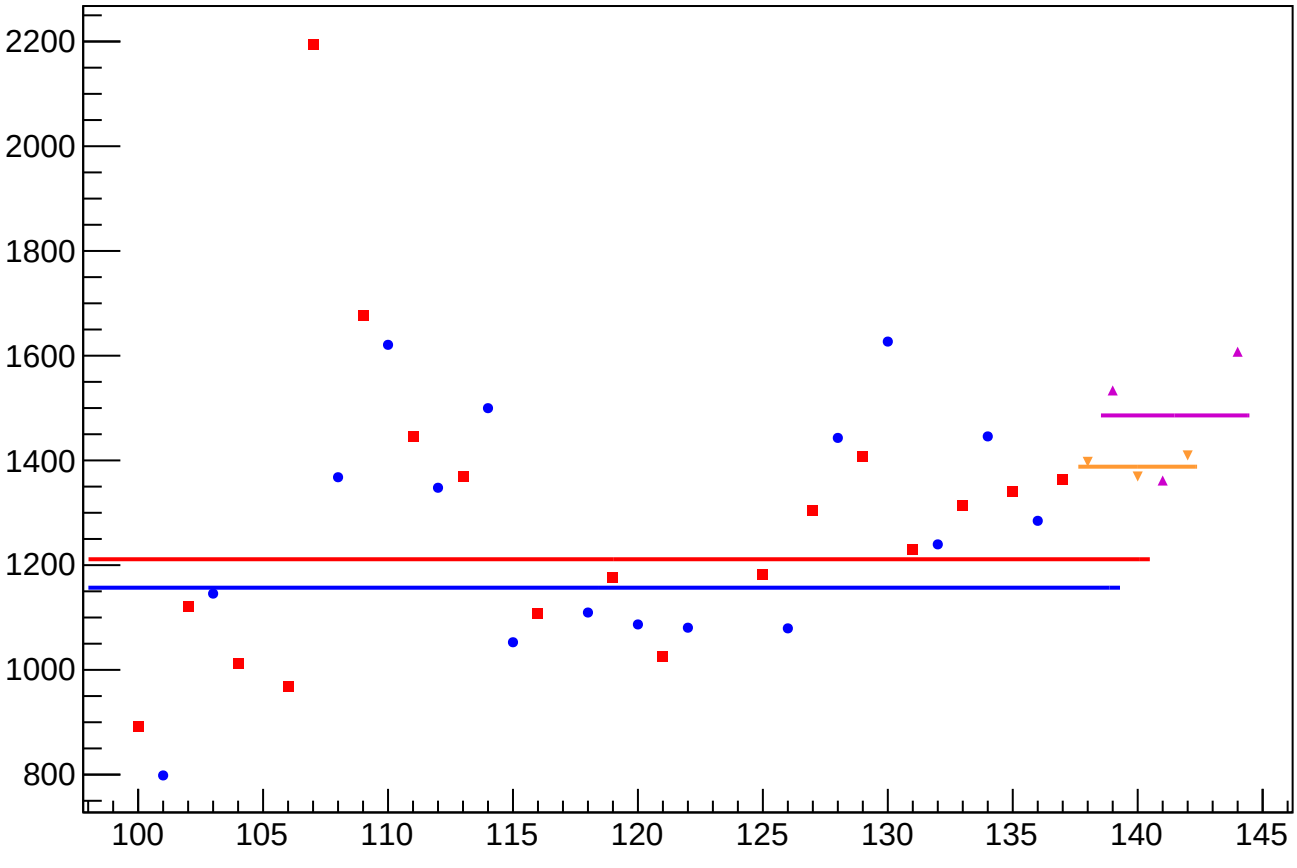
Left: 714.854+/-669.585 χ^2/NDF: 2.1/5

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

In: -141.526+/-397.802 χ^2/NDF:16.2/18

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: 18.587+/-286.158 χ^2/NDF: 34.1/39



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

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

Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

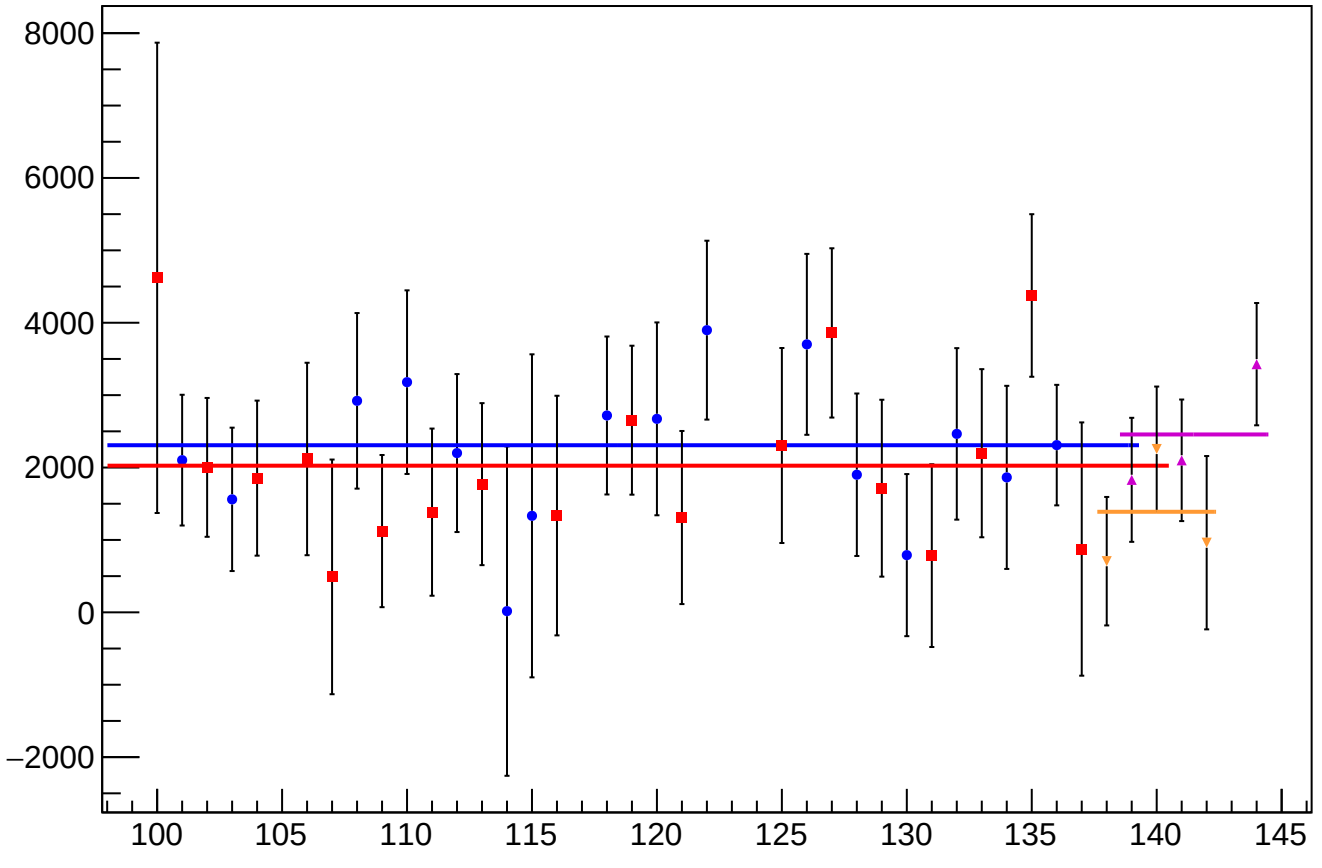
Left: 1439.466+/-0.473 χ^2/NDF: 37655.2/5

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

In: 1217.963+/-0.281 χ^2/NDF:802162.5/18

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

All: 1230.050+/-0.202 χ^2/NDF: 1258546.3/39



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

Left In: 2457.017+/-488.912 χ^2/NDF:2.0/2

Left: 1985.094+/-365.269 χ^2/NDF: 5.9/5

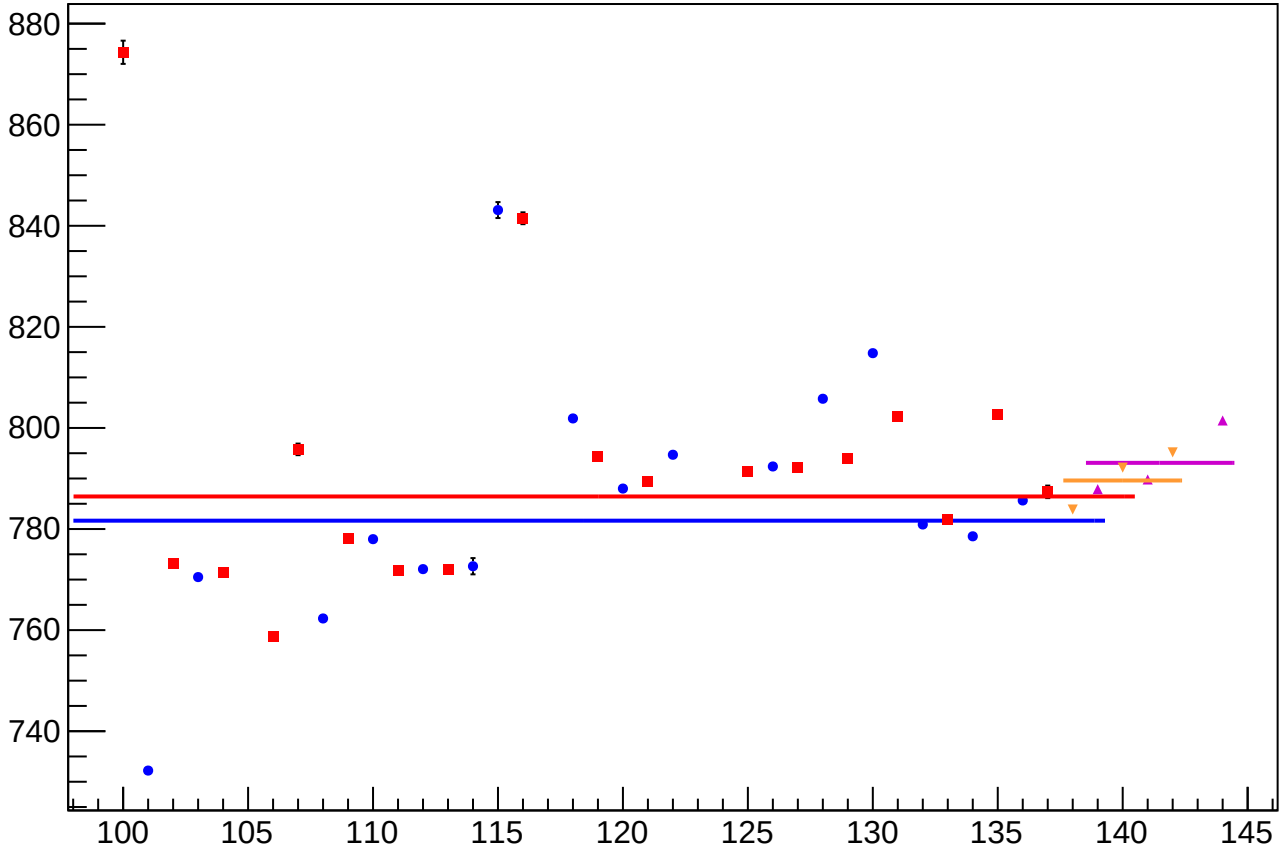
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2346.983+/-249.697 χ^2/NDF:9.9/18

Out: 1887.081+/-256.336 χ^2/NDF:14.7/20

All: 2123.064+/-178.864 χ^2/NDF: 26.3/39

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

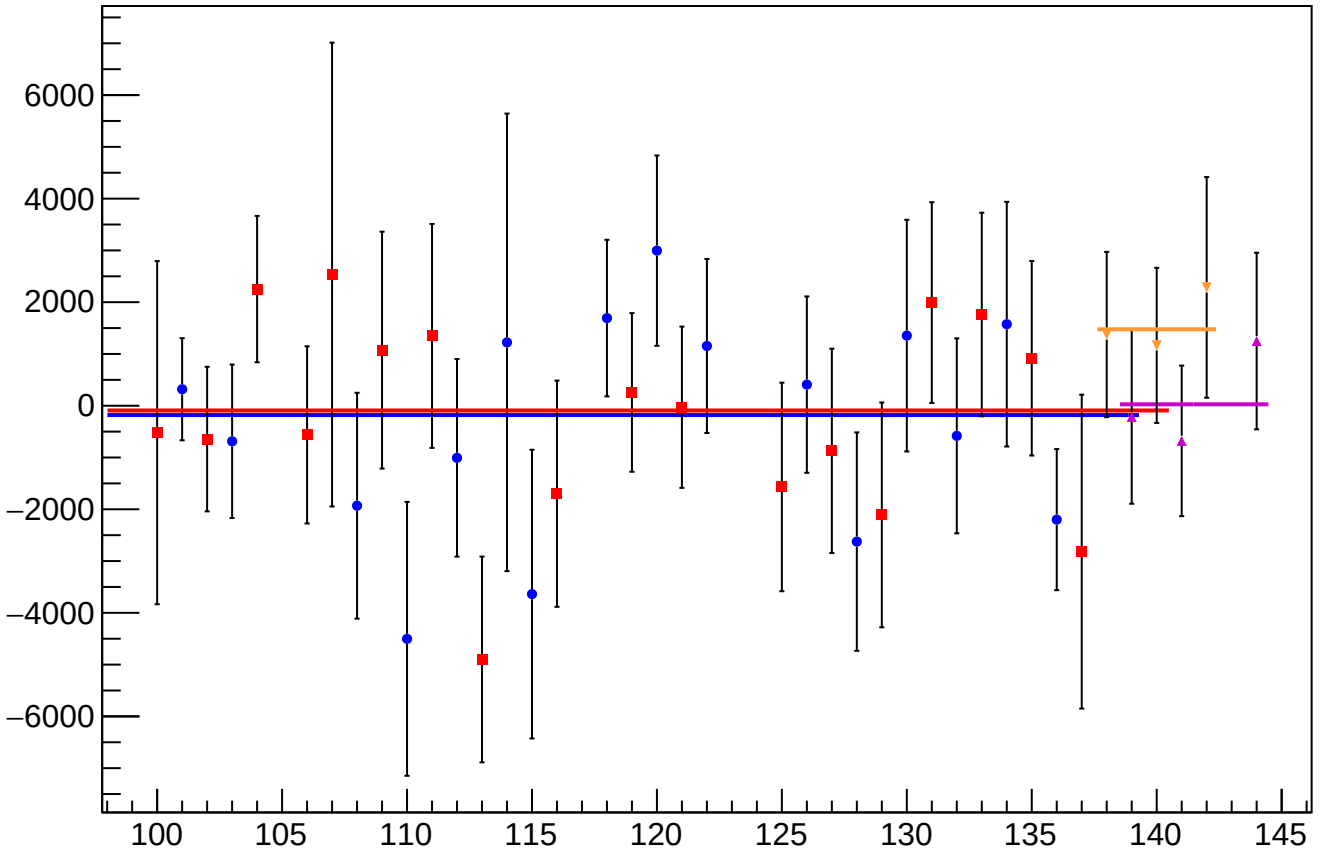
Left: 791.553+/-0.258 χ^2/NDF: 491.0/5

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

In: 784.638+/-0.177 χ^2/NDF:13430.2/18

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.852+/-0.126 χ^2/NDF: 20925.1/39



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

Left In: 27.124+/-923.692 χ^2/NDF:0.8/2

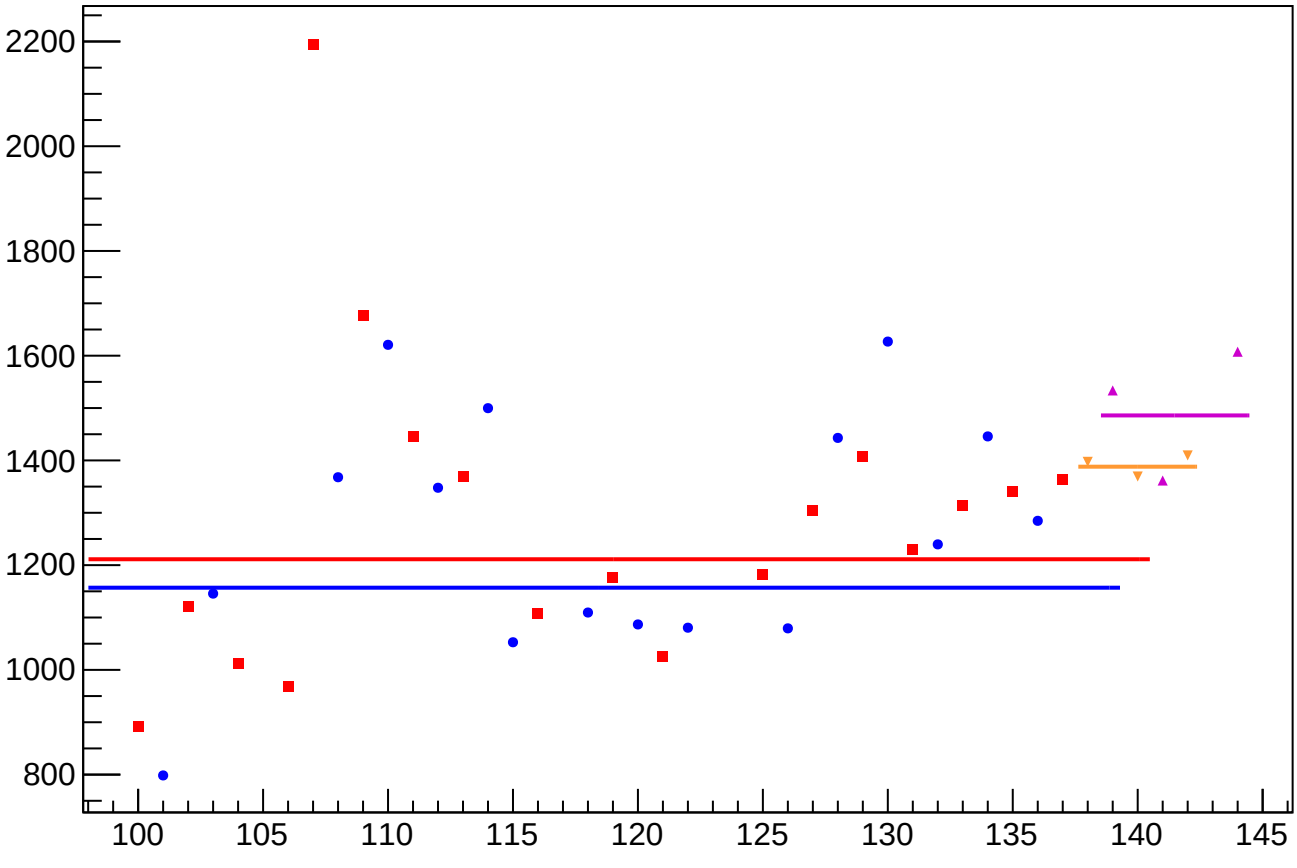
Left: 714.854+/-669.585 χ^2/NDF: 2.1/5

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

In: -141.526+/-397.802 χ^2/NDF:16.2/18

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: 18.587+/-286.158 χ^2/NDF: 34.1/39



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

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

Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

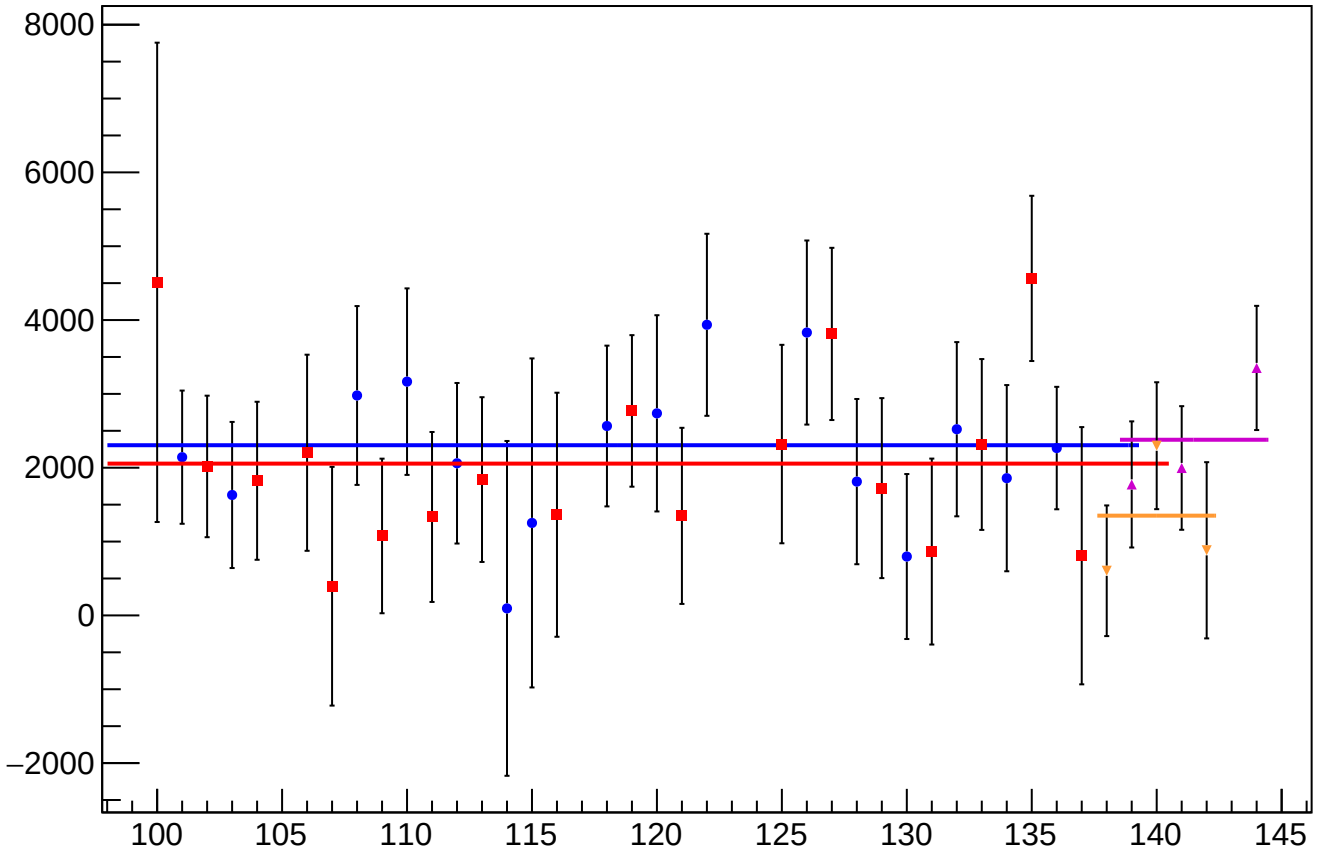
Left: 1439.466+/-0.473 χ^2/NDF: 37655.2/5

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

In: 1217.963+/-0.281 χ^2/NDF:802162.5/18

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

All: 1230.050+/-0.202 χ^2/NDF: 1258546.3/39



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

Left Out: 1350.982+/-547.691 χ^2/NDF:2.1/2

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

Left In: 2378.914+/-487.249 χ^2/NDF:2.0/2

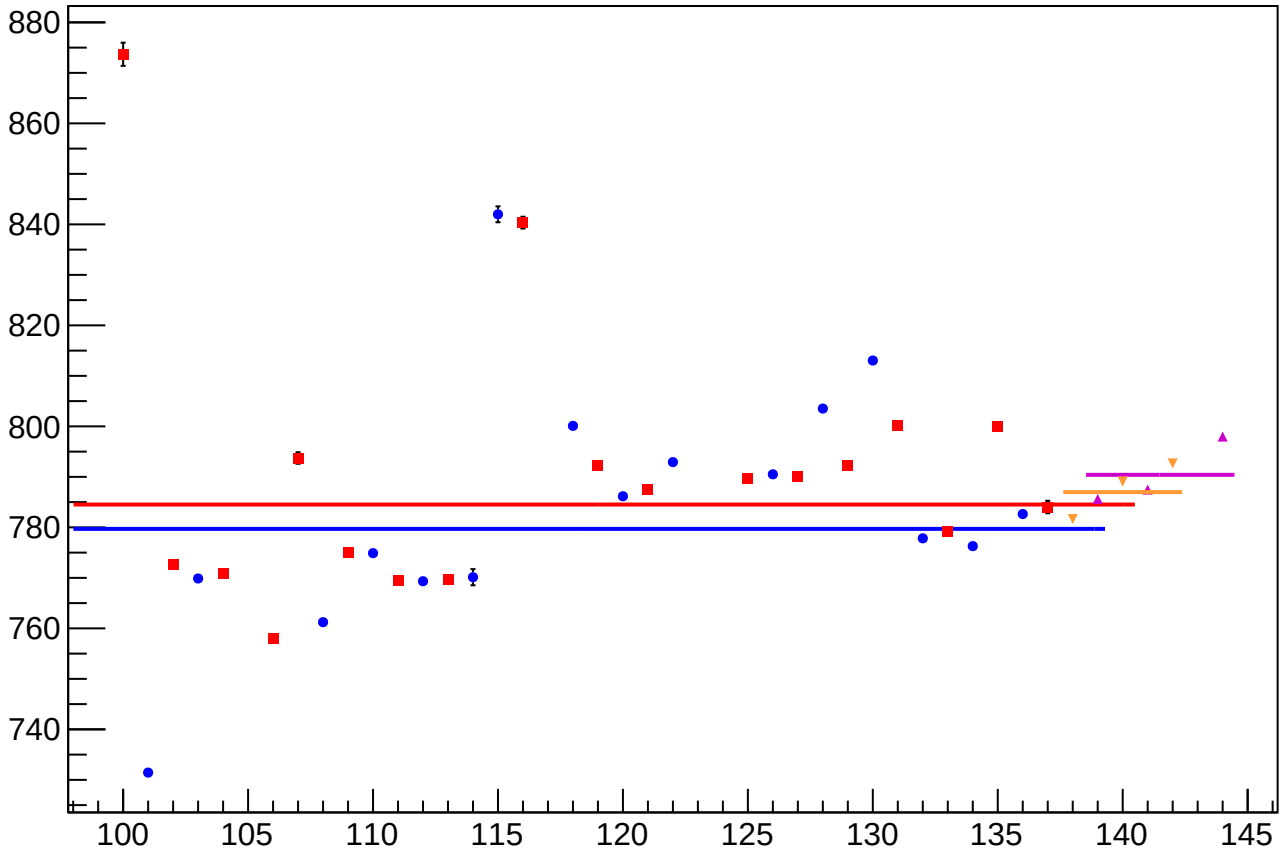
Left: 1924.777+/-364.038 χ^2/NDF: 6.1/5

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

In: 2324.196+/-249.013 χ^2/NDF:10.1/18

Out: 1902.116+/-255.661 χ^2/NDF:16.2/20

All: 2118.714+/-178.383 χ^2/NDF: 27.8/39



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

Left Out: 786.983+/-0.387 χ^2/NDF:130.2/2

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

Left In: 790.403+/-0.345 χ^2/NDF:249.8/2

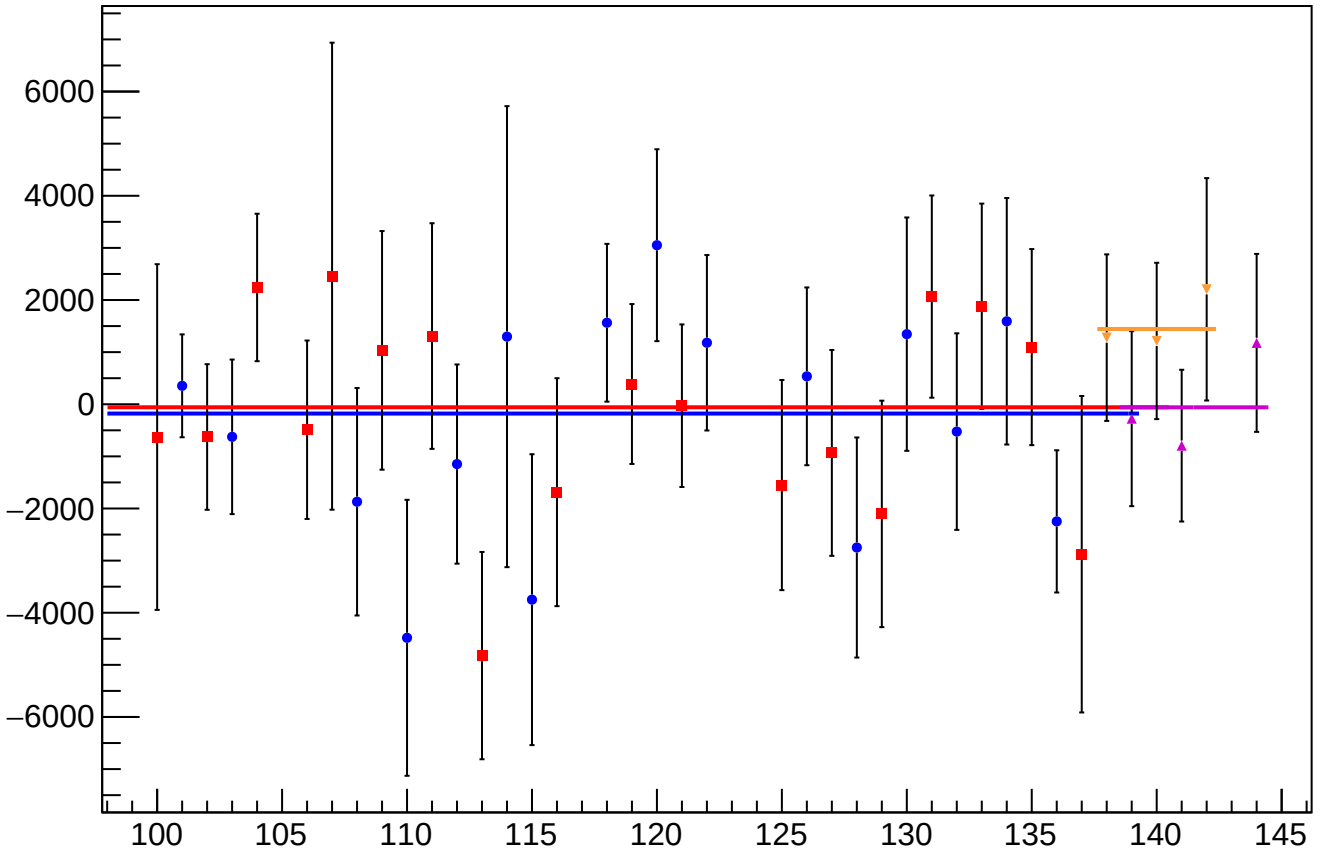
Left: 788.892+/-0.257 χ^2/NDF: 423.5/5

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

In: 782.497+/-0.176 χ^2/NDF:13022.7/18

Out: 785.060+/-0.181 χ^2/NDF:7321.8/20

All: 783.745+/-0.126 χ^2/NDF: 20447.6/39



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

Left Out: 1444.340+/-973.077 χ^2/NDF:0.2/2

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

Left In: -58.943+/-924.557 χ^2/NDF:0.8/2

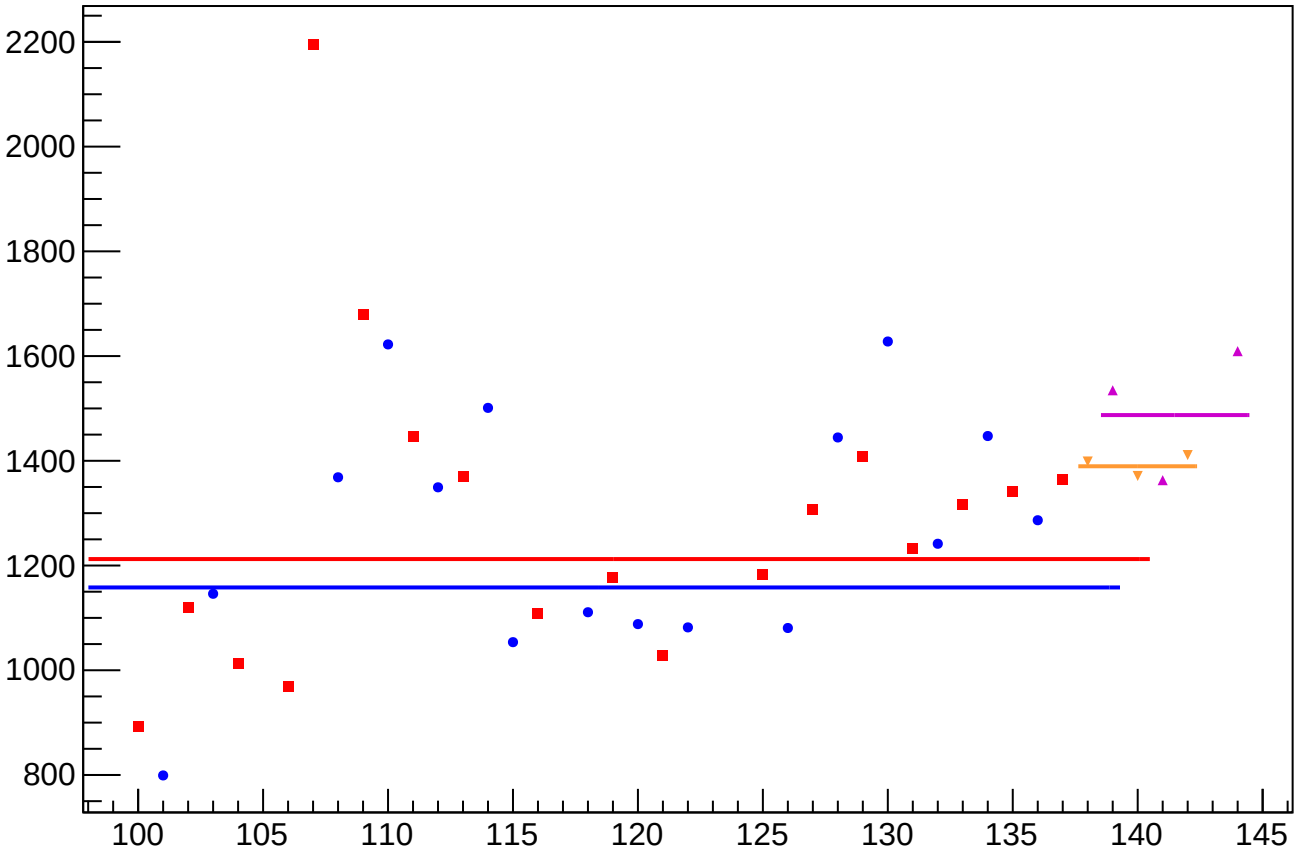
Left: 654.287+/-670.257 χ^2/NDF: 2.2/5

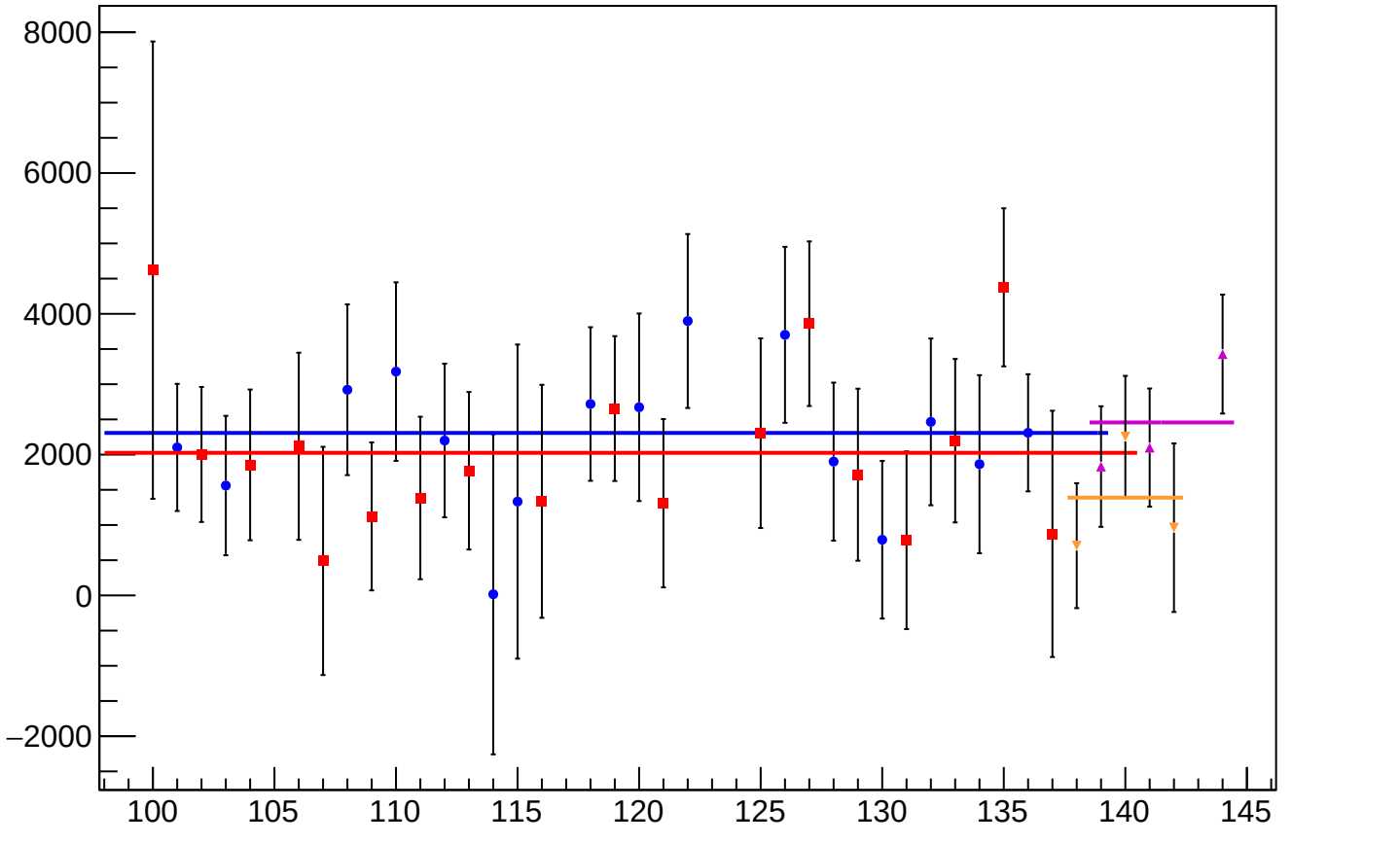
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -156.287+/-398.199 χ^2/NDF:16.5/18

Out: 211.716+/-412.328 χ^2/NDF:17.4/20

All: 21.301+/-286.434 χ^2/NDF: 34.3/39


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
145
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1389.545+/-0.688 χ²/NDF:570.5/2
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1487.327+/-0.654 χ²/NDF:26403.5/2
Left: 1440.935+/-0.474 χ²/NDF: 37587.8/5
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1219.197+/-0.282 χ²/NDF:802067.2/18
Out: 1244.163+/-0.292 χ²/NDF:452922.2/20
All: 1231.245+/-0.203 χ²/NDF: 1258783.3/39



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

Left In: 2457.017+/-488.912 χ^2/NDF:2.0/2

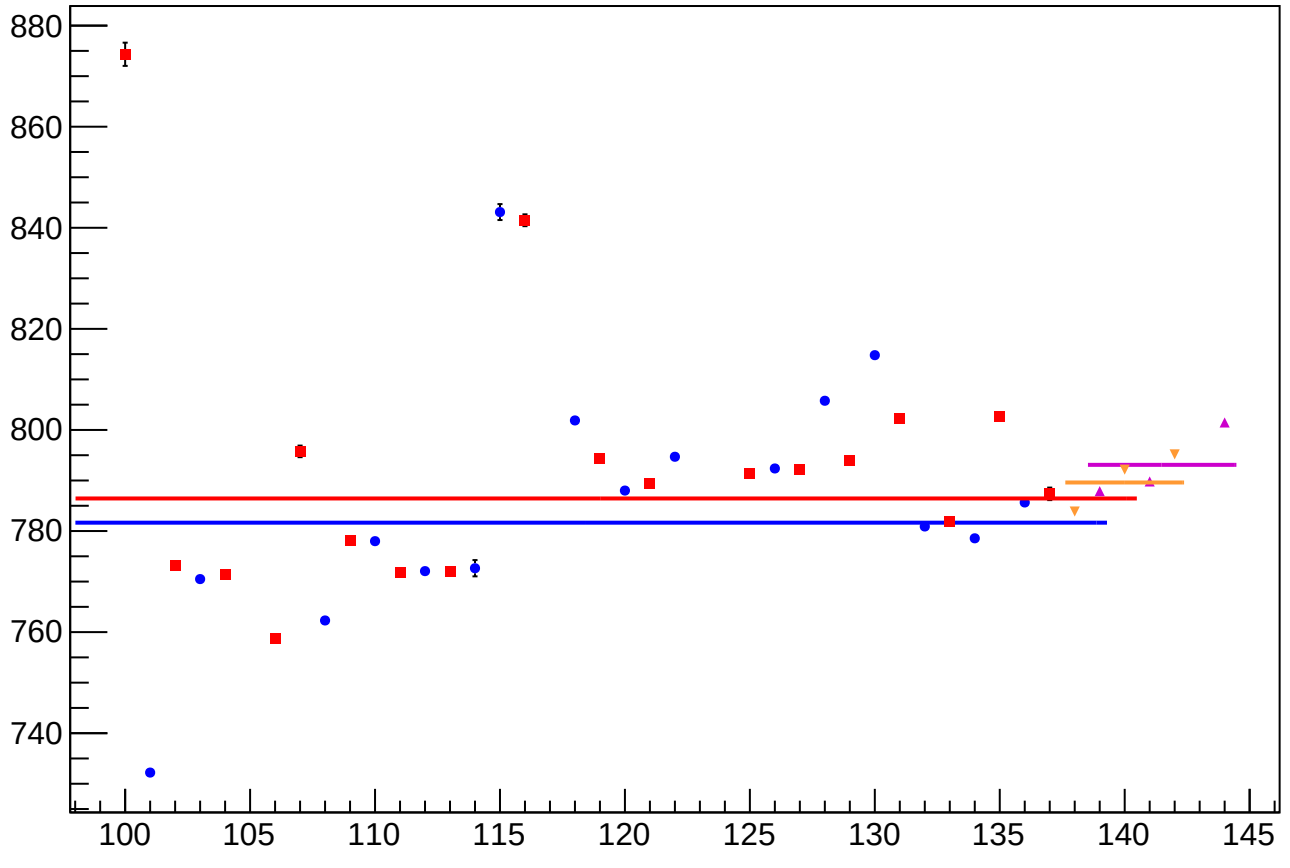
Left: 1985.094+/-365.269 χ^2/NDF: 5.9/5

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

In: 2346.983+/-249.697 χ^2/NDF:9.9/18

Out: 1887.081+/-256.336 χ^2/NDF:14.7/20

All: 2123.064+/-178.864 χ^2/NDF: 26.3/39



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

Left In: 793.095+/-0.346 χ^2/NDF:301.6/2

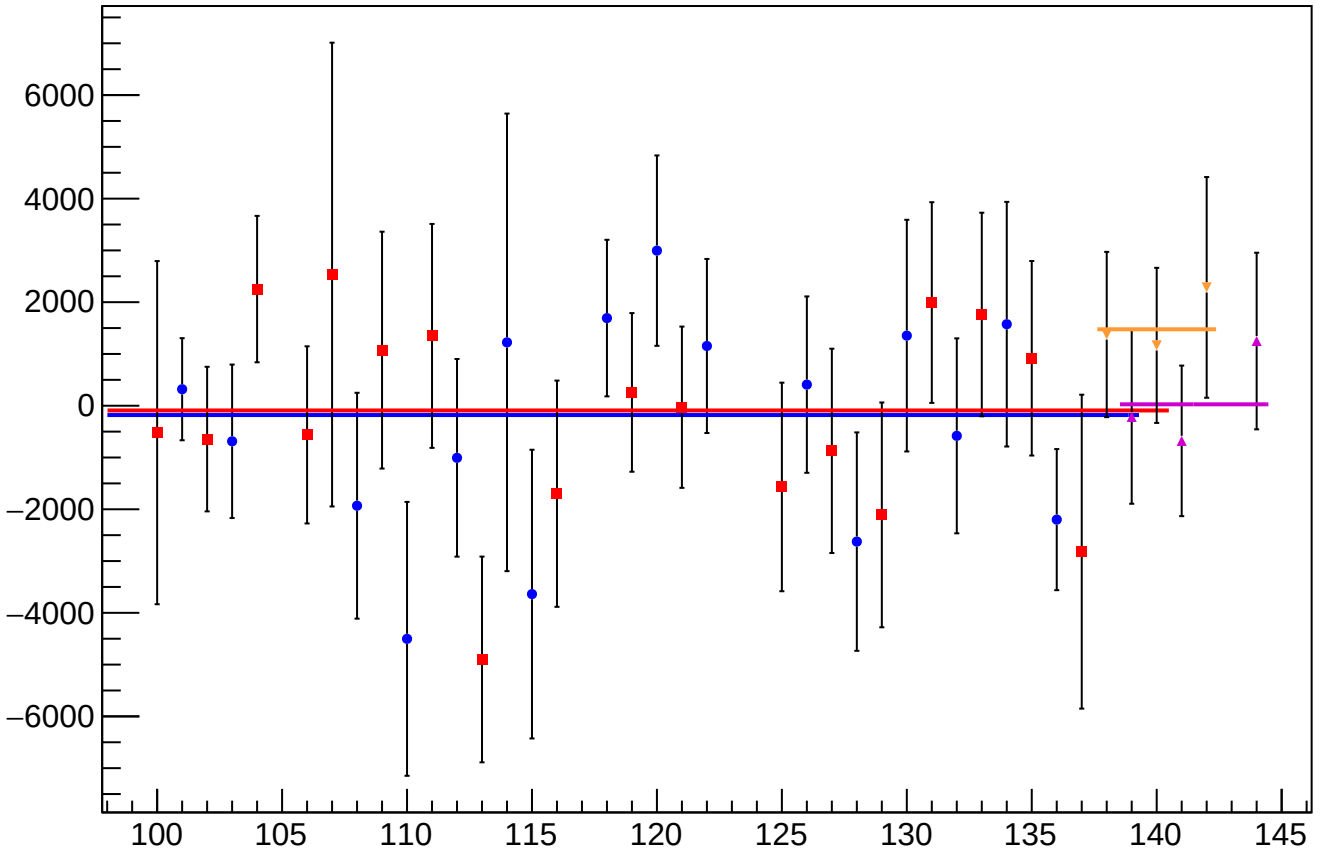
Left: 791.553+/-0.258 χ^2/NDF: 491.0/5

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

In: 784.638+/-0.177 χ^2/NDF:13430.2/18

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.852+/-0.126 χ^2/NDF: 20925.1/39



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

Left In: 27.124+/-923.692 χ^2/NDF:0.8/2

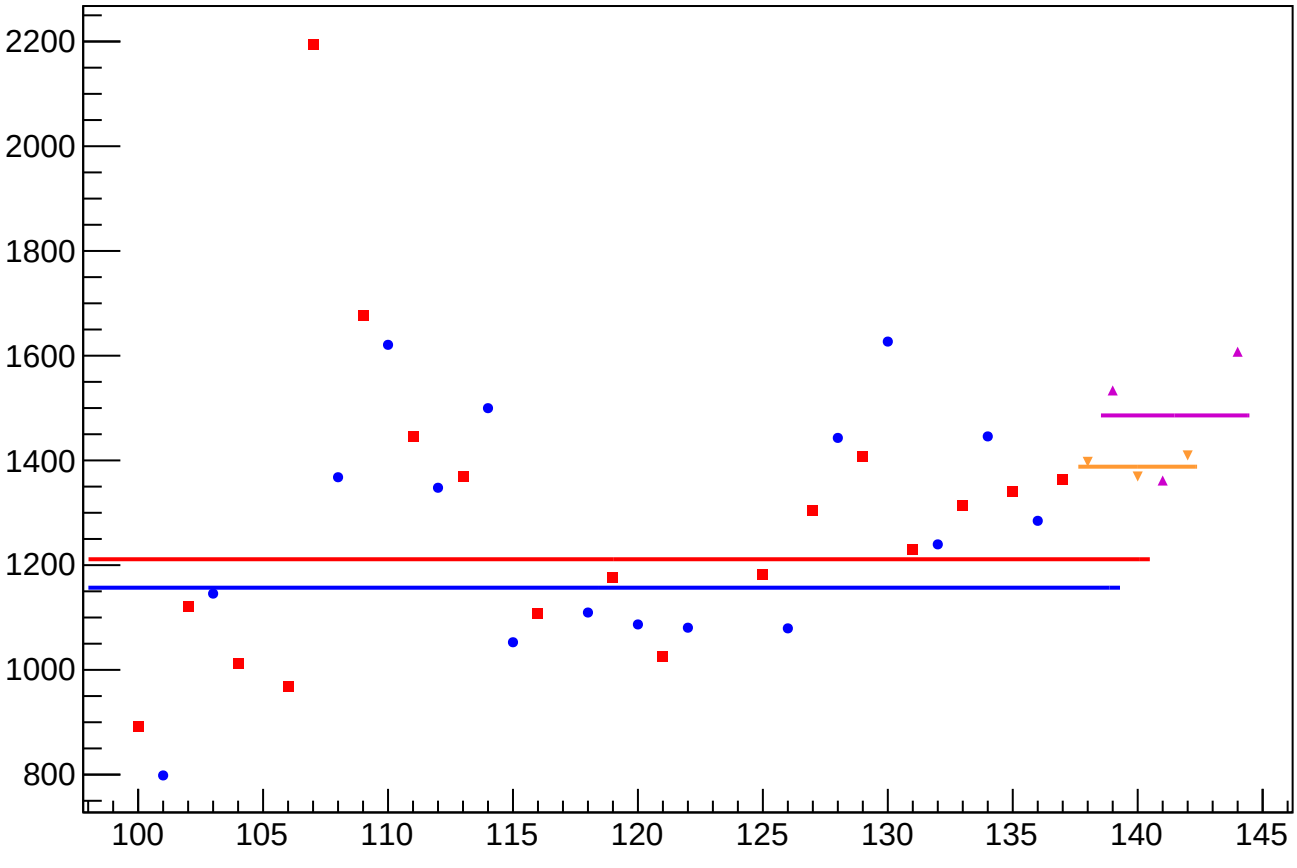
Left: 714.854+/-669.585 χ^2/NDF: 2.1/5

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

In: -141.526+/-397.802 χ^2/NDF:16.2/18

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: 18.587+/-286.158 χ^2/NDF: 34.1/39



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

Left Out: 1388.025+/-0.687 χ^2/NDF:584.4/2

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

Left In: 1485.919+/-0.653 χ^2/NDF:26411.2/2

Left: 1439.466+/-0.473 χ^2/NDF: 37655.2/5

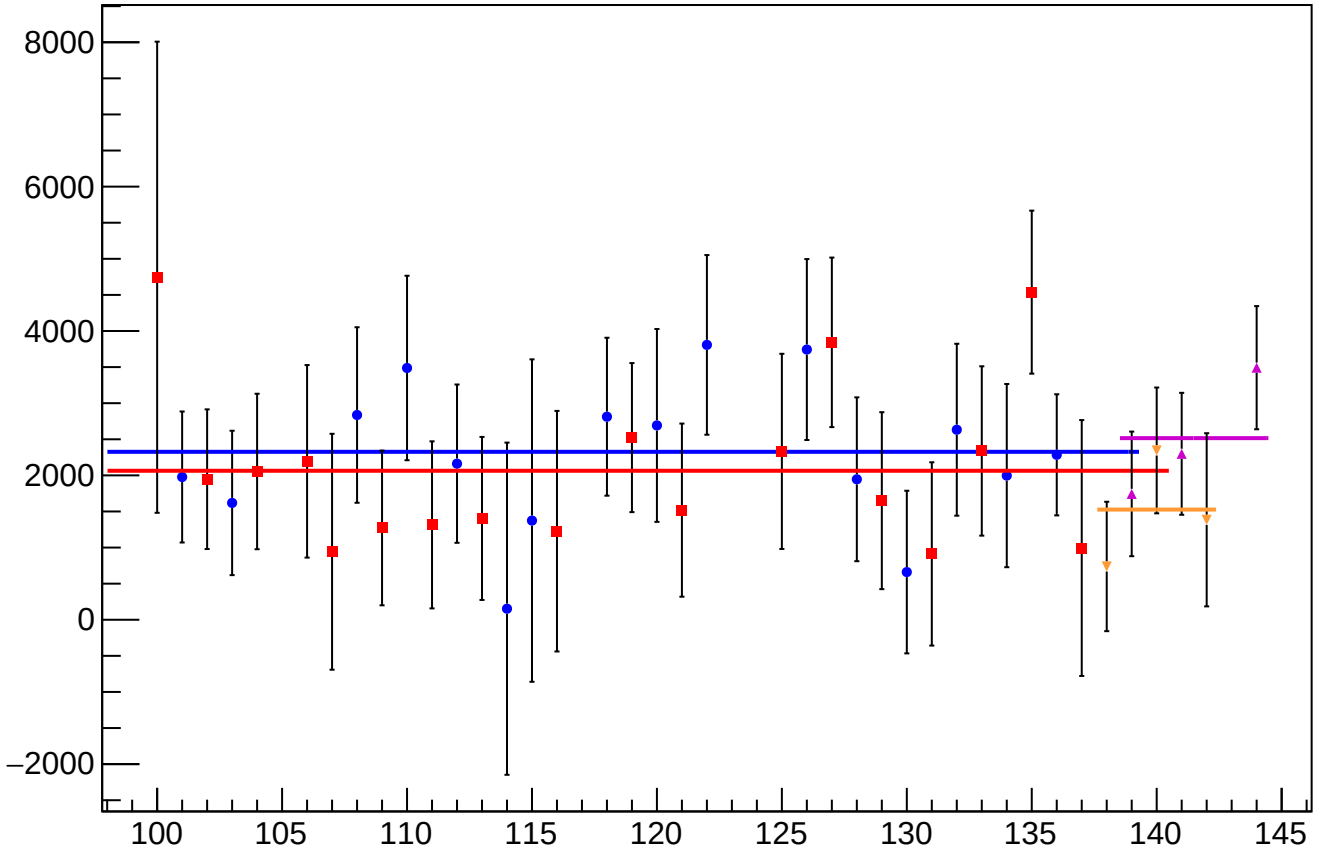
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1217.963+/-0.281 χ^2/NDF:802162.5/18

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

All: 1230.050+/-0.202 χ^2/NDF: 1258546.3/39

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1526.131+/-554.106 χ^2/NDF:1.7/2

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

Left In: 2515.954+/-492.751 χ^2/NDF:2.2/2

Left: 2078.856+/-368.217 χ^2/NDF: 5.6/5

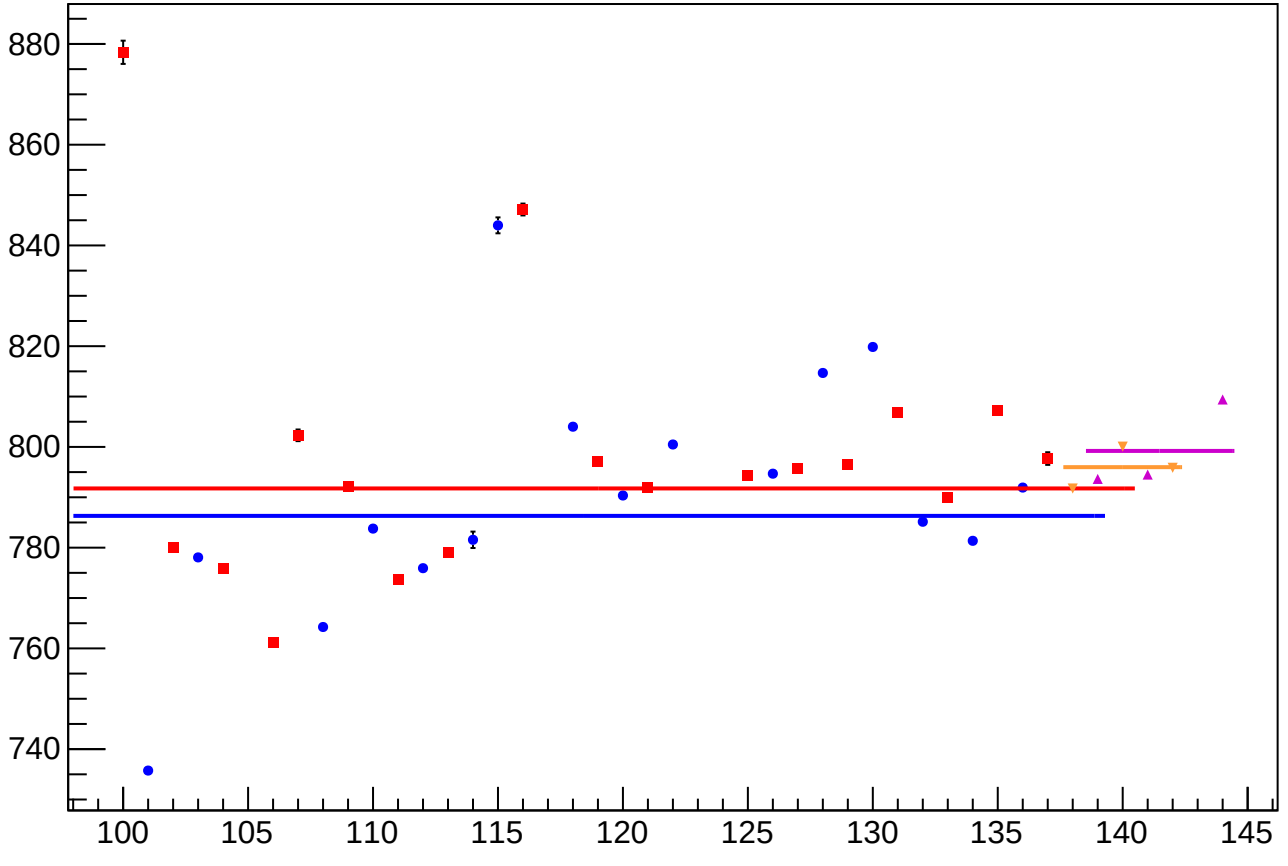
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2375.731+/-251.317 χ^2/NDF:10.4/18

Out: 1947.210+/-258.181 χ^2/NDF:14.0/20

All: 2167.242+/-180.086 χ^2/NDF: 25.9/39

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

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

Left In: 799.205+/-0.348 χ^2/NDF:431.3/2

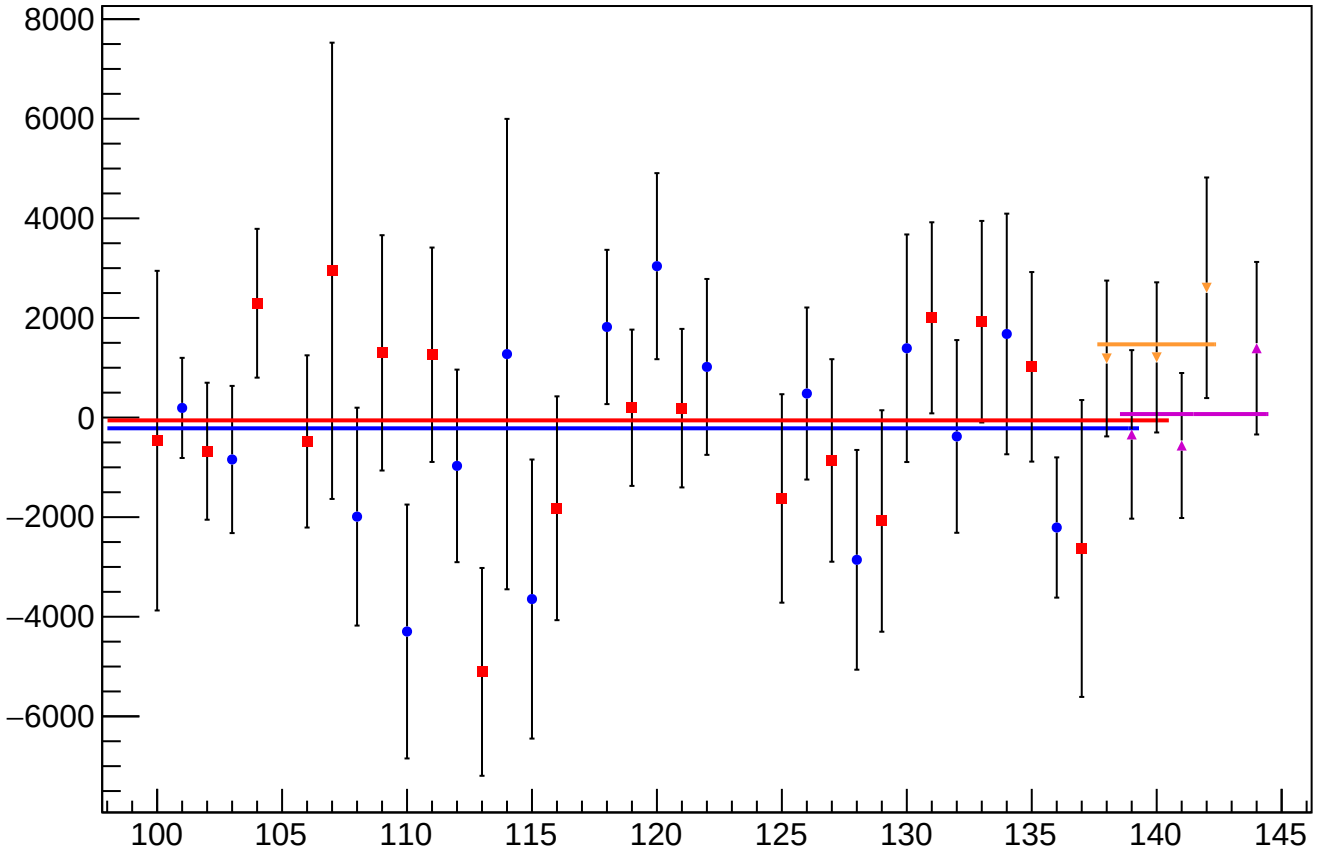
Left: 797.782+/-0.260 χ^2/NDF: 557.5/5

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

In: 789.664+/-0.178 χ^2/NDF:14015.9/18

Out: 792.674+/-0.183 χ^2/NDF:7194.6/20

All: 791.128+/-0.127 χ^2/NDF: 21350.0/39



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

Left Out: 1470.037+/-974.753 χ^2/NDF:0.3/2

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

Left In: 69.962+/-930.813 χ^2/NDF:0.8/2

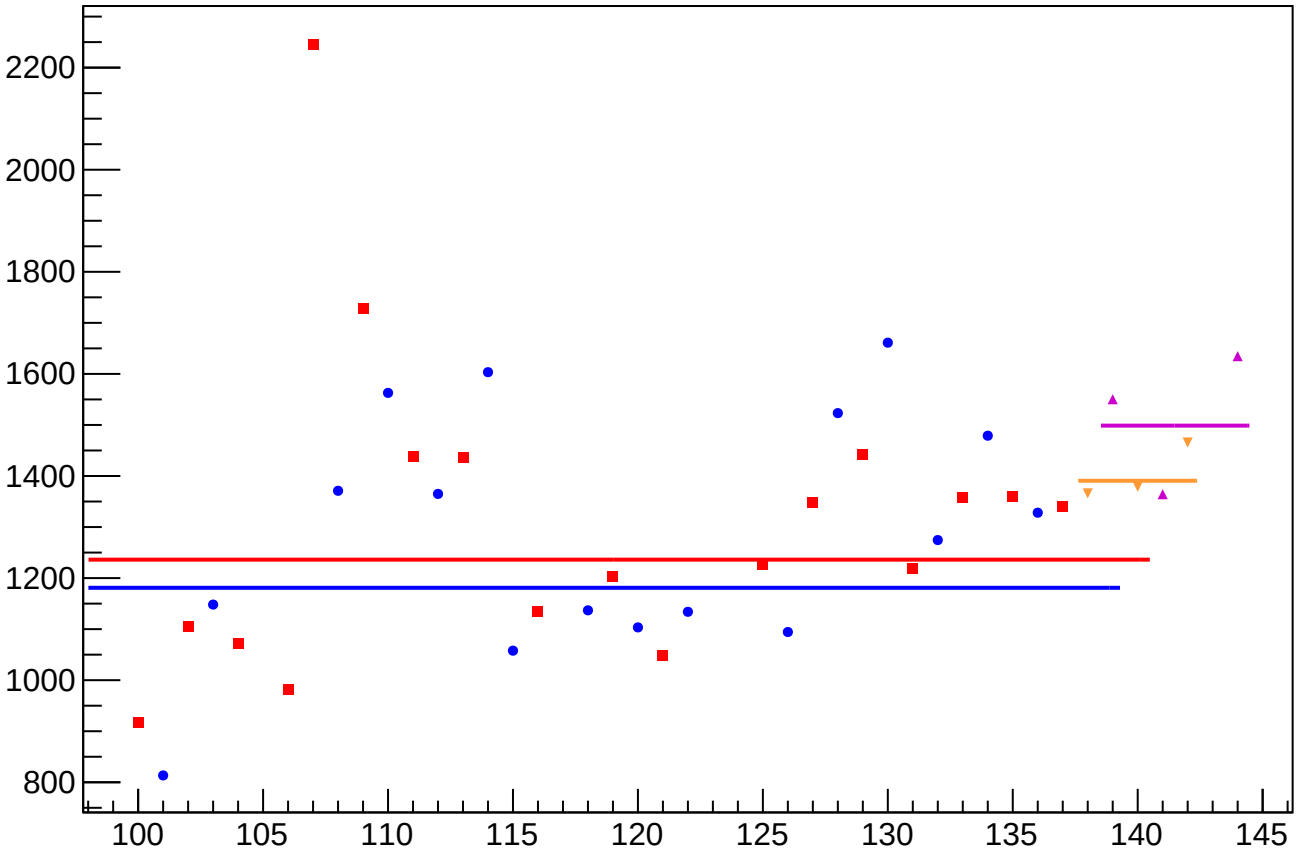
Left: 737.733+/-673.182 χ^2/NDF: 2.2/5

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

In: -162.065+/-404.801 χ^2/NDF:16.2/18

Out: 225.250+/-418.939 χ^2/NDF:17.5/20

All: 24.946+/-291.107 χ^2/NDF: 34.1/39



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

Left Out: 1390.706+/-0.689 χ^2/NDF:2908.1/2

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

Left In: 1498.718+/-0.658 χ^2/NDF:31237.6/2

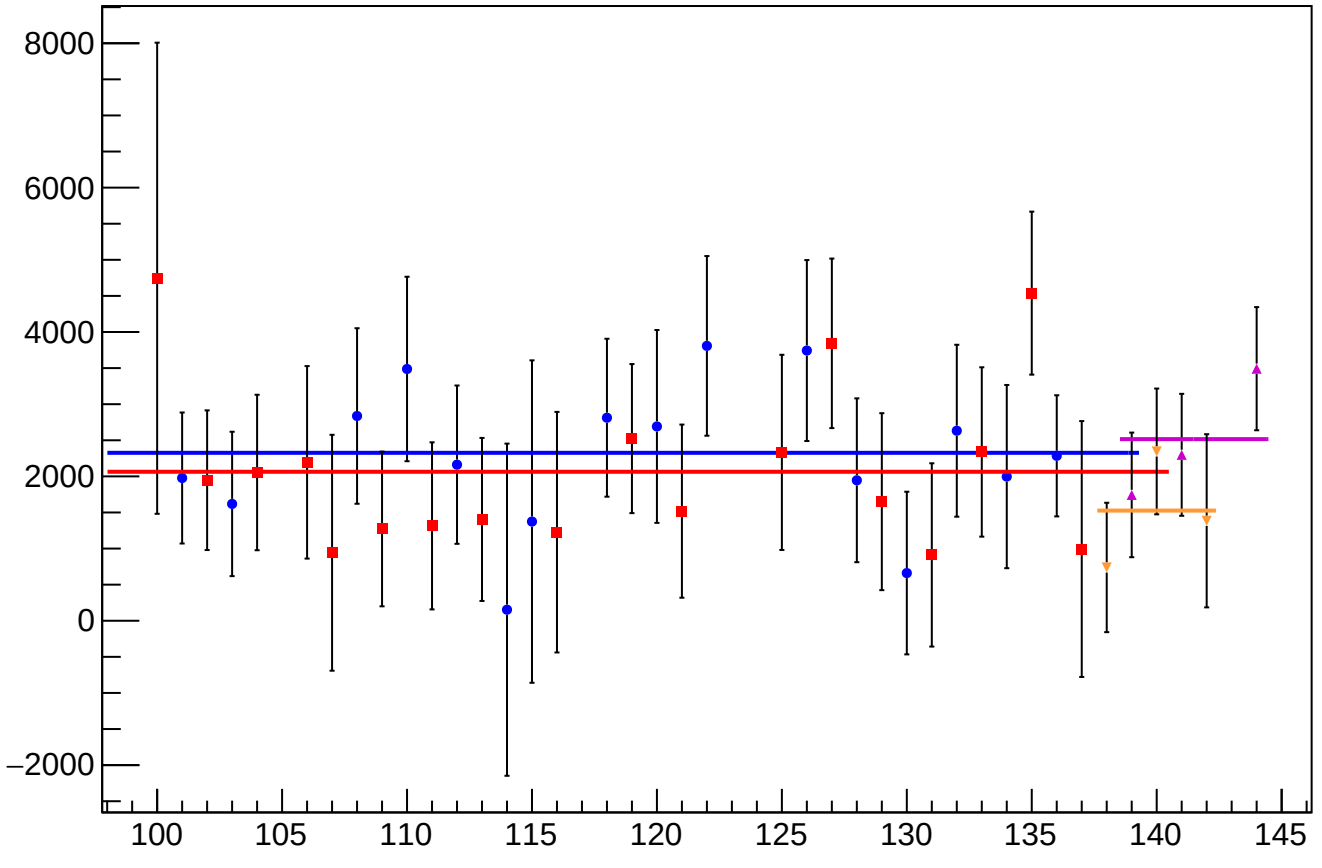
Left: 1447.201+/-0.476 χ^2/NDF: 46990.4/5

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

In: 1241.088+/-0.286 χ^2/NDF:791295.2/18

Out: 1264.687+/-0.296 χ^2/NDF:441152.7/20

All: 1252.482+/-0.206 χ^2/NDF: 1235729.9/39



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

Left Out: 1526.134+/-554.106 χ^2/NDF:1.7/2

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

Left In: 2515.953+/-492.751 χ^2/NDF:2.2/2

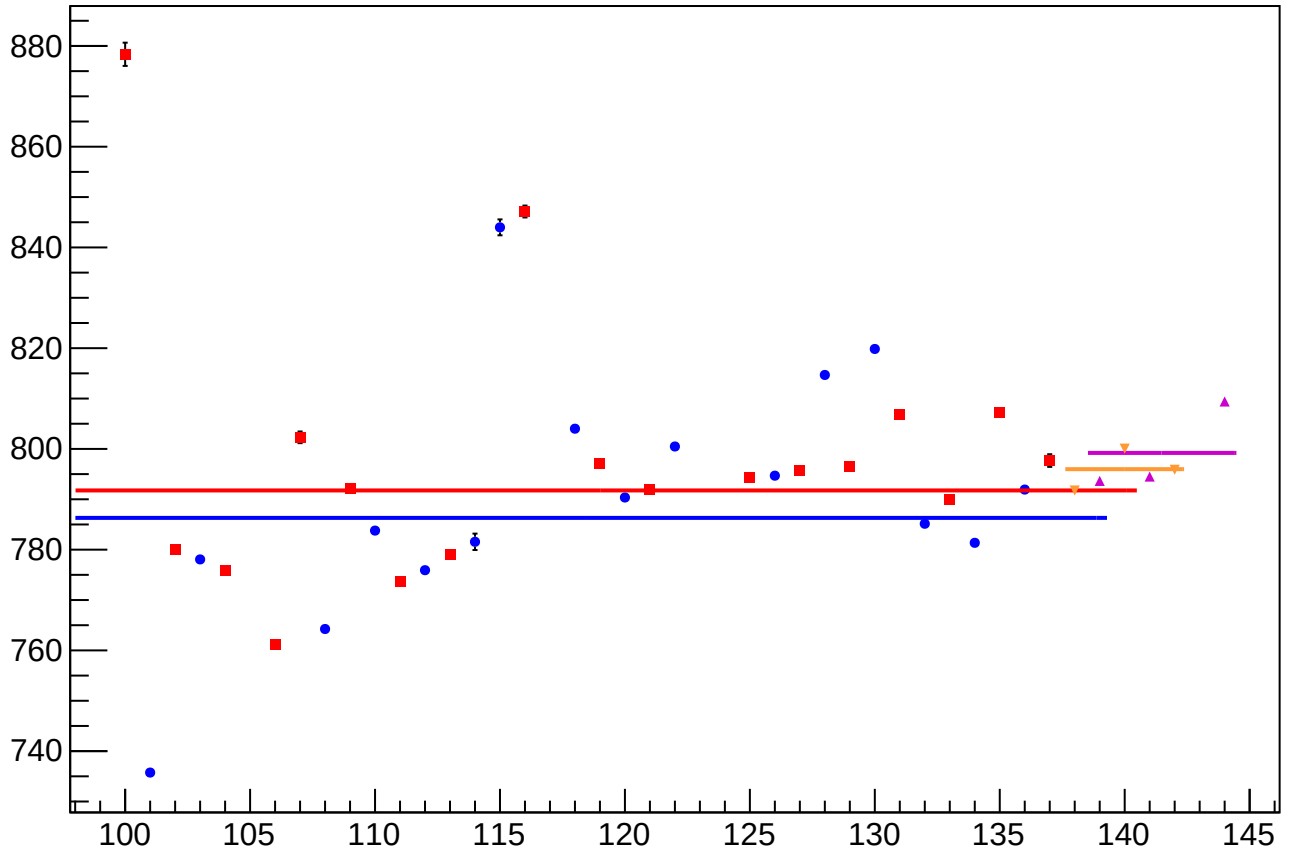
Left: 2078.857+/-368.217 χ^2/NDF: 5.6/5

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

In: 2375.730+/-251.317 χ^2/NDF:10.4/18

Out: 1947.209+/-258.181 χ^2/NDF:14.0/20

All: 2167.241+/-180.086 χ^2/NDF: 25.9/39



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

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

Left In: 799.205+/-0.348 χ^2/NDF:431.3/2

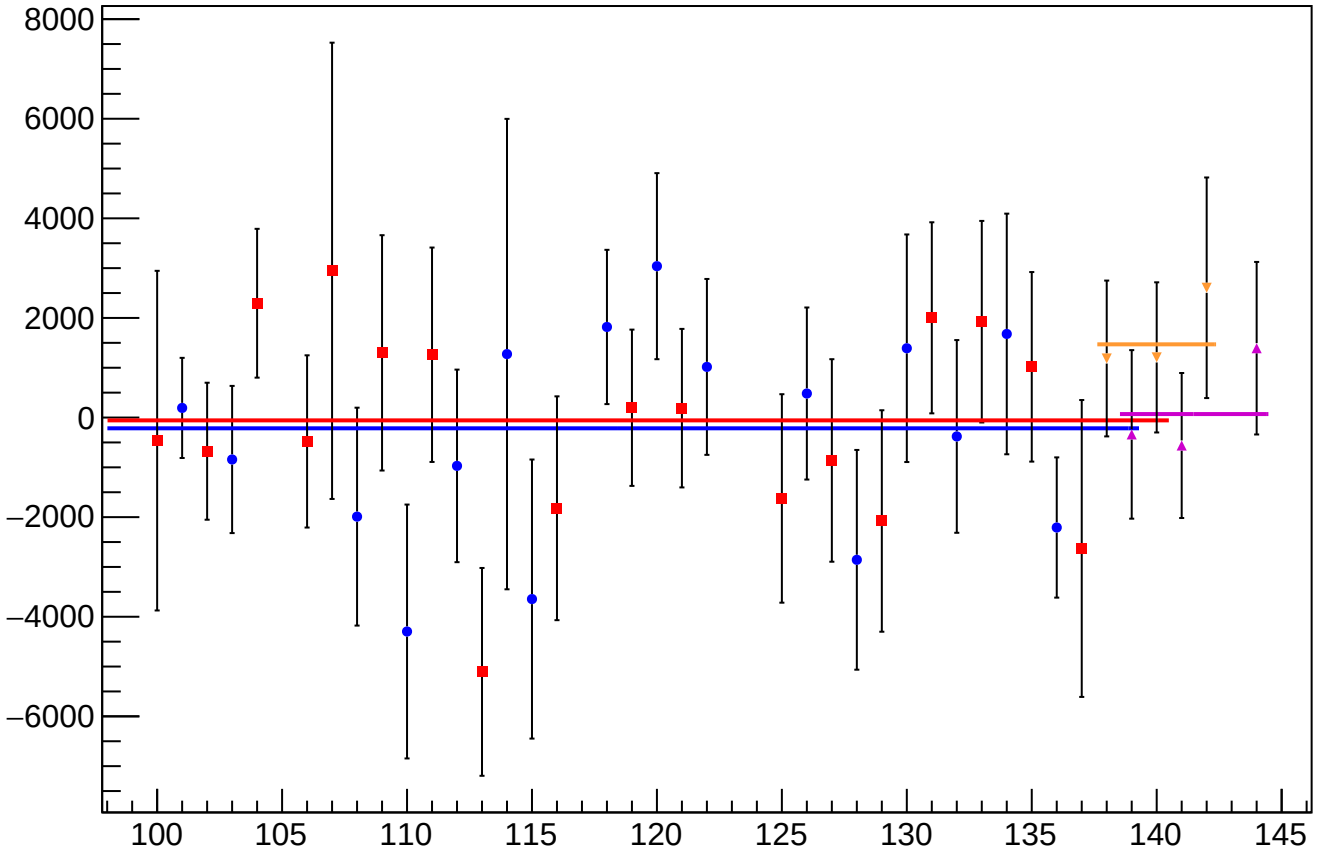
Left: 797.782+/-0.260 χ^2/NDF: 557.5/5

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

In: 789.664+/-0.178 χ^2/NDF:14015.8/18

Out: 792.673+/-0.183 χ^2/NDF:7194.6/20

All: 791.128+/-0.127 χ^2/NDF: 21350.0/39



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

Left Out: 1470.040+/-974.755 χ^2/NDF:0.3/2

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

Left In: 69.961+/-930.815 χ^2/NDF:0.8/2

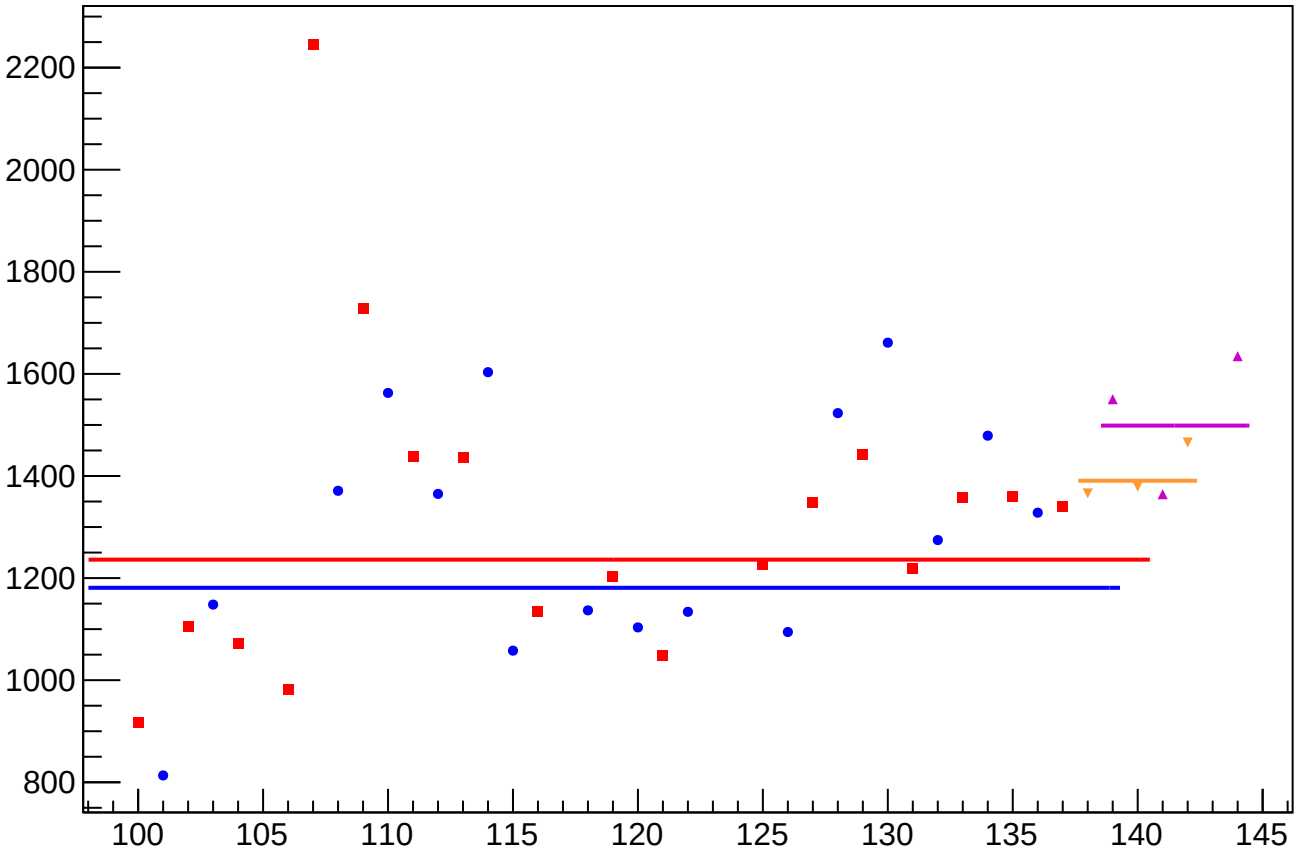
Left: 737.734+/-673.183 χ^2/NDF: 2.2/5

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

In: -162.065+/-404.800 χ^2/NDF:16.2/18

Out: 225.249+/-418.939 χ^2/NDF:17.5/20

All: 24.946+/-291.107 χ^2/NDF: 34.1/39



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

Left Out: 1390.709+/-0.689 χ^2/NDF:2908.1/2

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

Left In: 1498.721+/-0.658 χ^2/NDF:31237.8/2

Left: 1447.204+/-0.476 χ^2/NDF: 46990.6/5

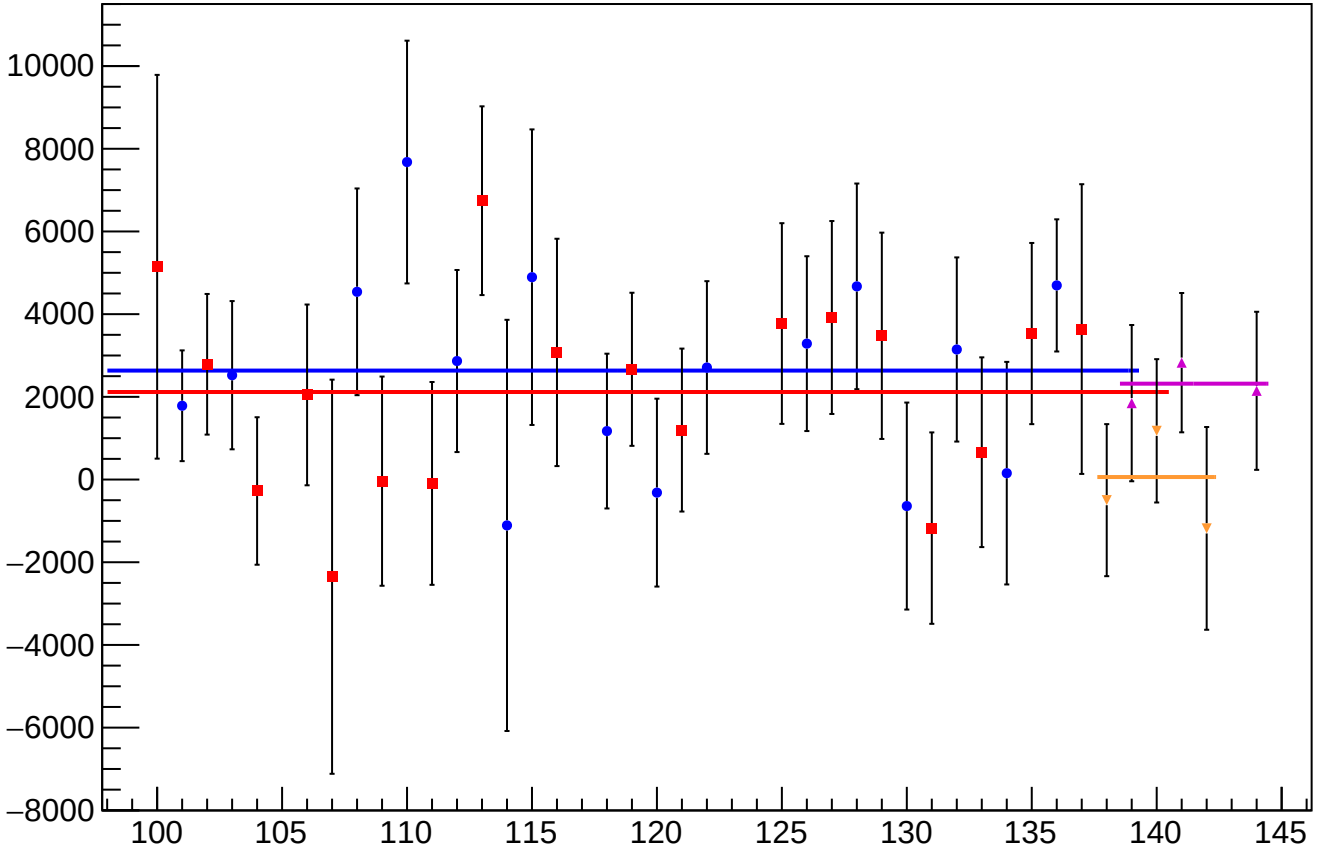
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1241.086+/-0.286 χ^2/NDF:791300.2/18

Out: 1264.684+/-0.296 χ^2/NDF:441154.5/20

All: 1252.480+/-0.206 χ^2/NDF: 1235736.5/39

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 60.649+/-1121.520 χ^2/NDF:0.8/2

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

Left In: 2318.678+/-1050.495 χ^2/NDF:0.2/2

Left: 1263.423+/-766.692 χ^2/NDF: 3.1/5

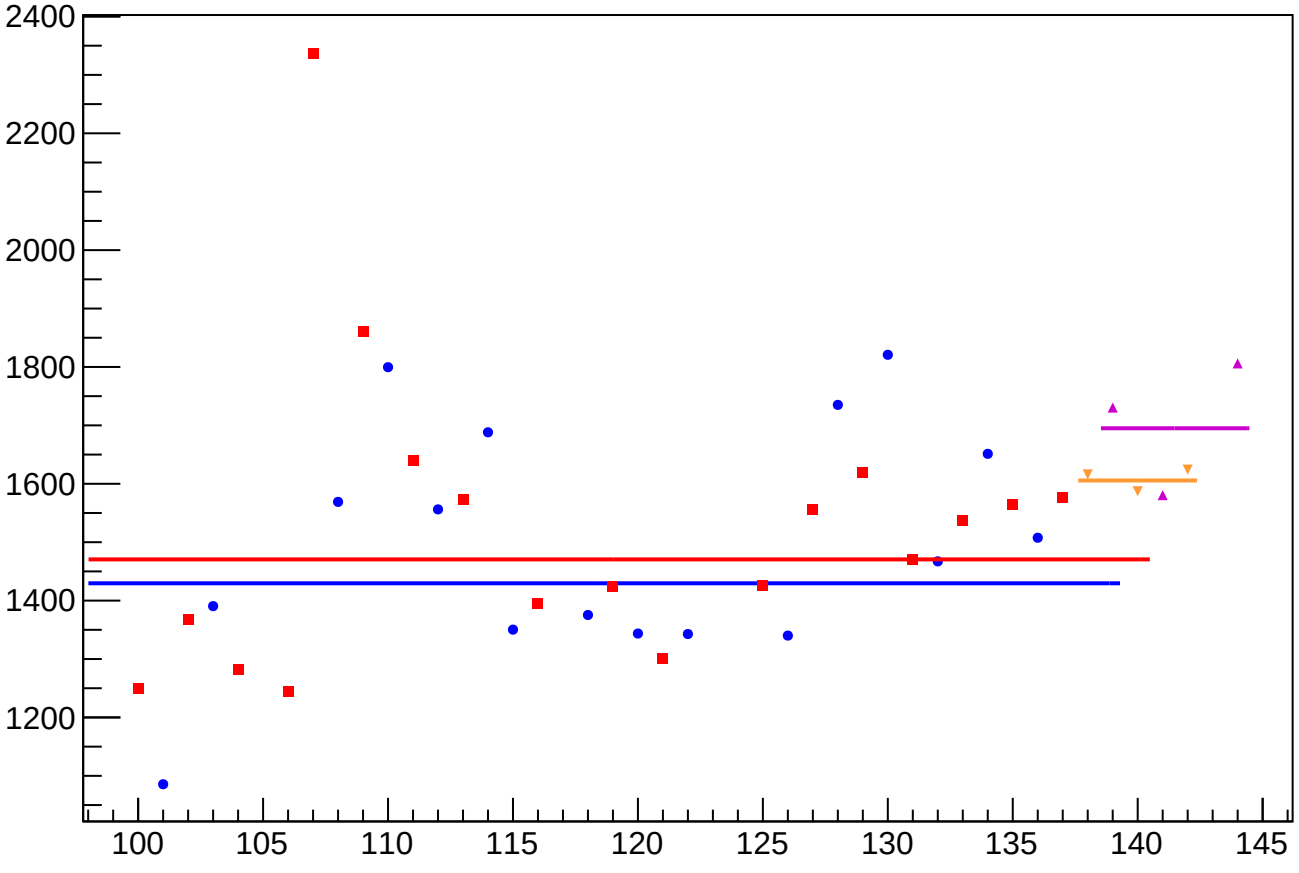
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2569.580+/-478.878 χ^2/NDF:12.5/18

Out: 1721.401+/-491.991 χ^2/NDF:17.2/20

All: 2156.945+/-343.160 χ^2/NDF: 31.2/39

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1605.673+/-0.793 χ^2/NDF:407.5/2

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

Left In: 1695.058+/-0.743 χ^2/NDF:16693.9/2

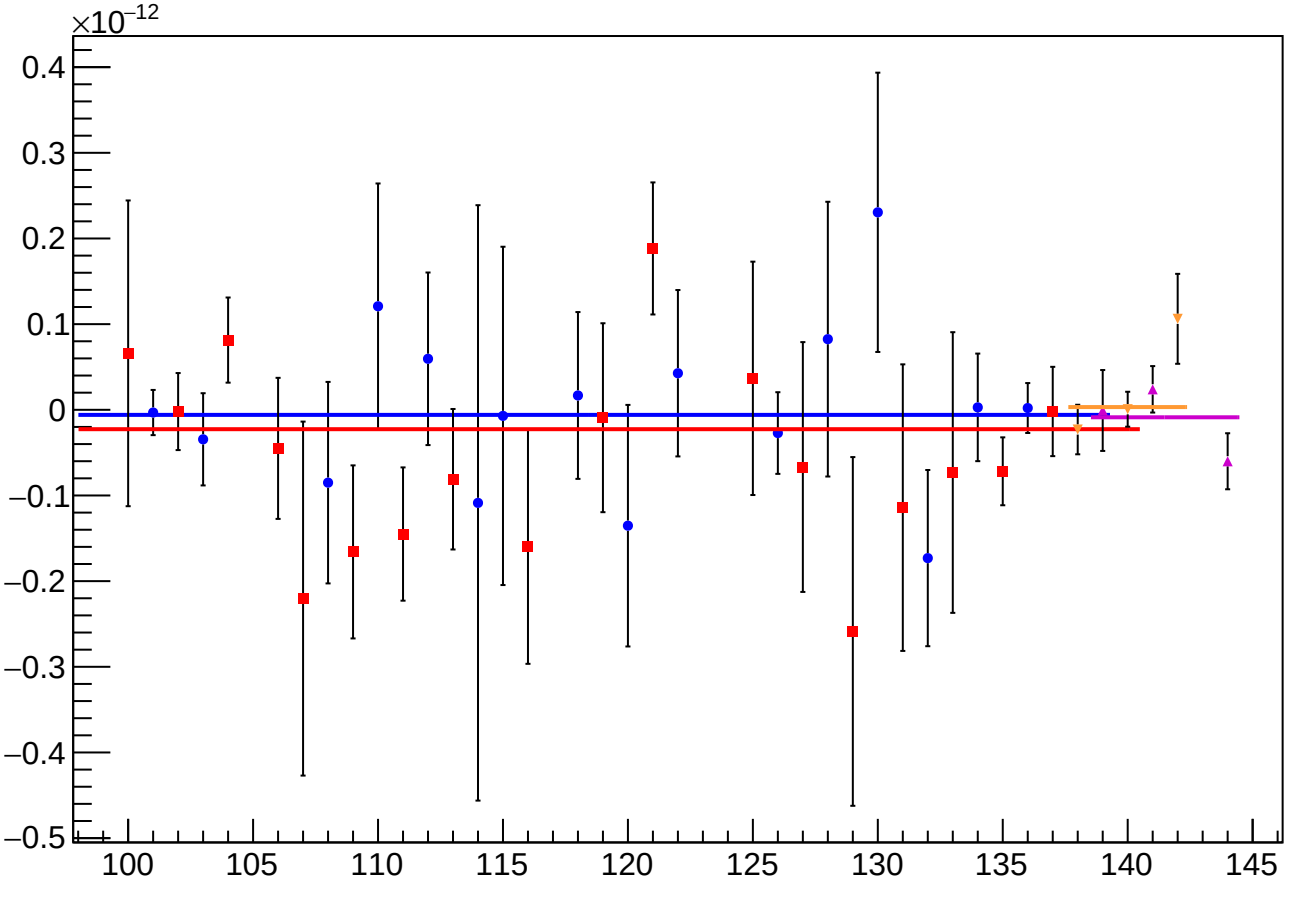
Left: 1653.285+/-0.542 χ^2/NDF: 23868.4/5

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

In: 1484.807+/-0.339 χ^2/NDF:411214.2/18

Out: 1496.566+/-0.348 χ^2/NDF:241914.7/20

All: 1490.527+/-0.243 χ^2/NDF: 653715.6/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/2

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

Left In: -0.000+/-0.000 χ^2/NDF:3.9/2

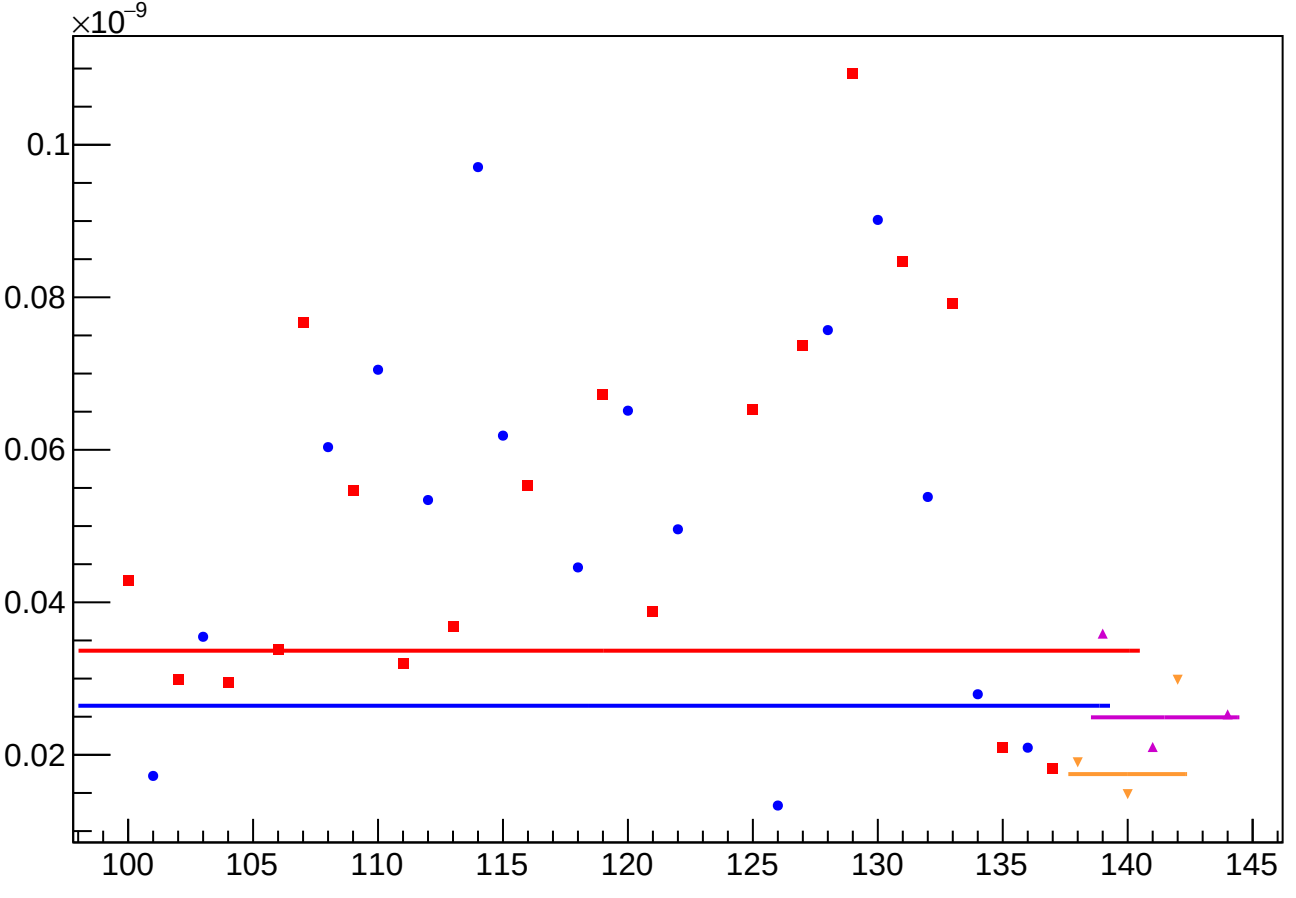
Left: -0.000+/-0.000 χ^2/NDF: 8.9/5

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

In: -0.000+/-0.000 χ^2/NDF:12.5/18

Out: -0.000+/-0.000 χ^2/NDF:28.9/20

All: -0.000+/-0.000 χ^2/NDF: 41.4/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:150105.9/2

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

Left In: 0.000+/-0.000 χ^2/NDF:149594.0/2

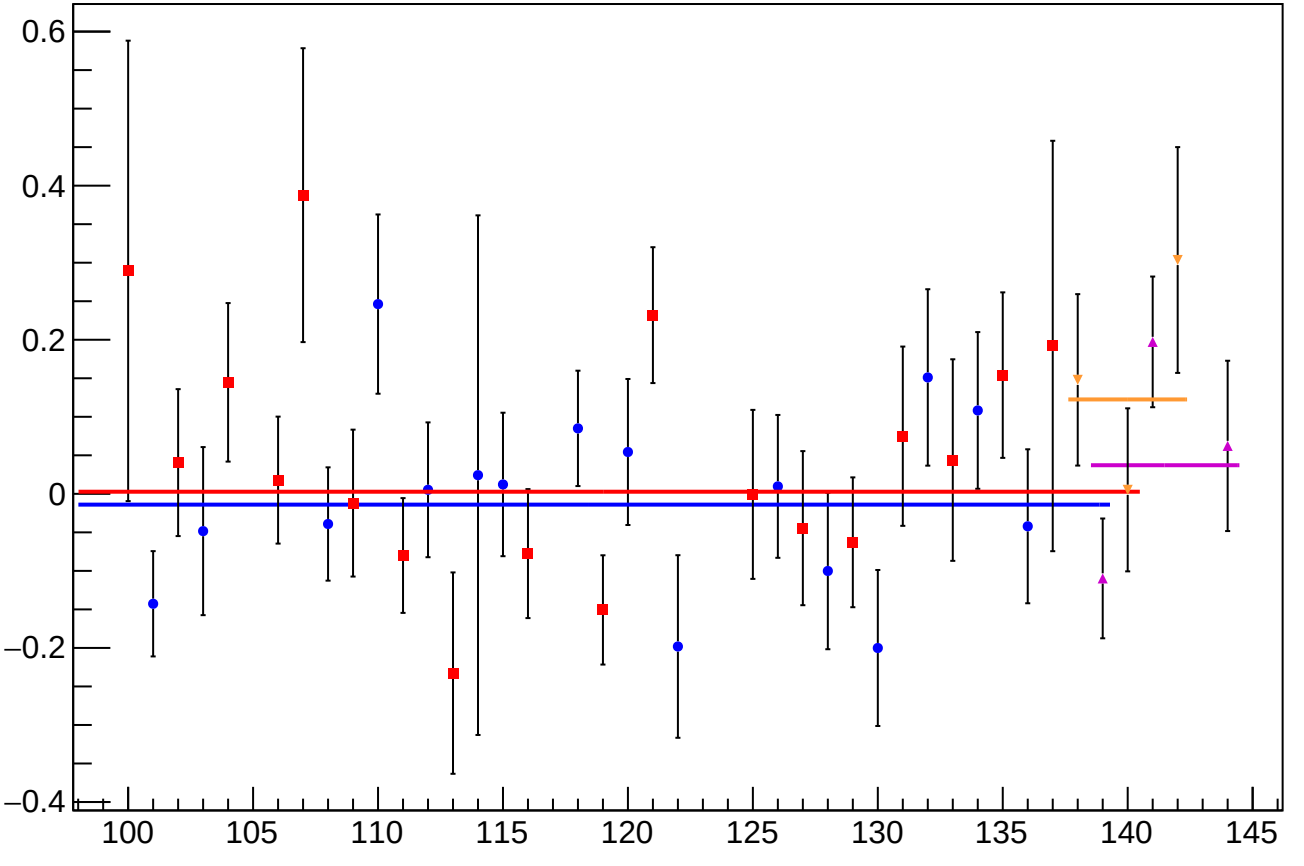
Left: 0.000+/-0.000 χ^2/NDF: 479443.1/5

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

In: 0.000+/-0.000 χ^2/NDF:2295815.0/18

Out: 0.000+/-0.000 χ^2/NDF:2759837.4/20

All: 0.000+/-0.000 χ^2/NDF: 5068990.5/39



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.037+/-0.051 χ^2/NDF:7.2/2

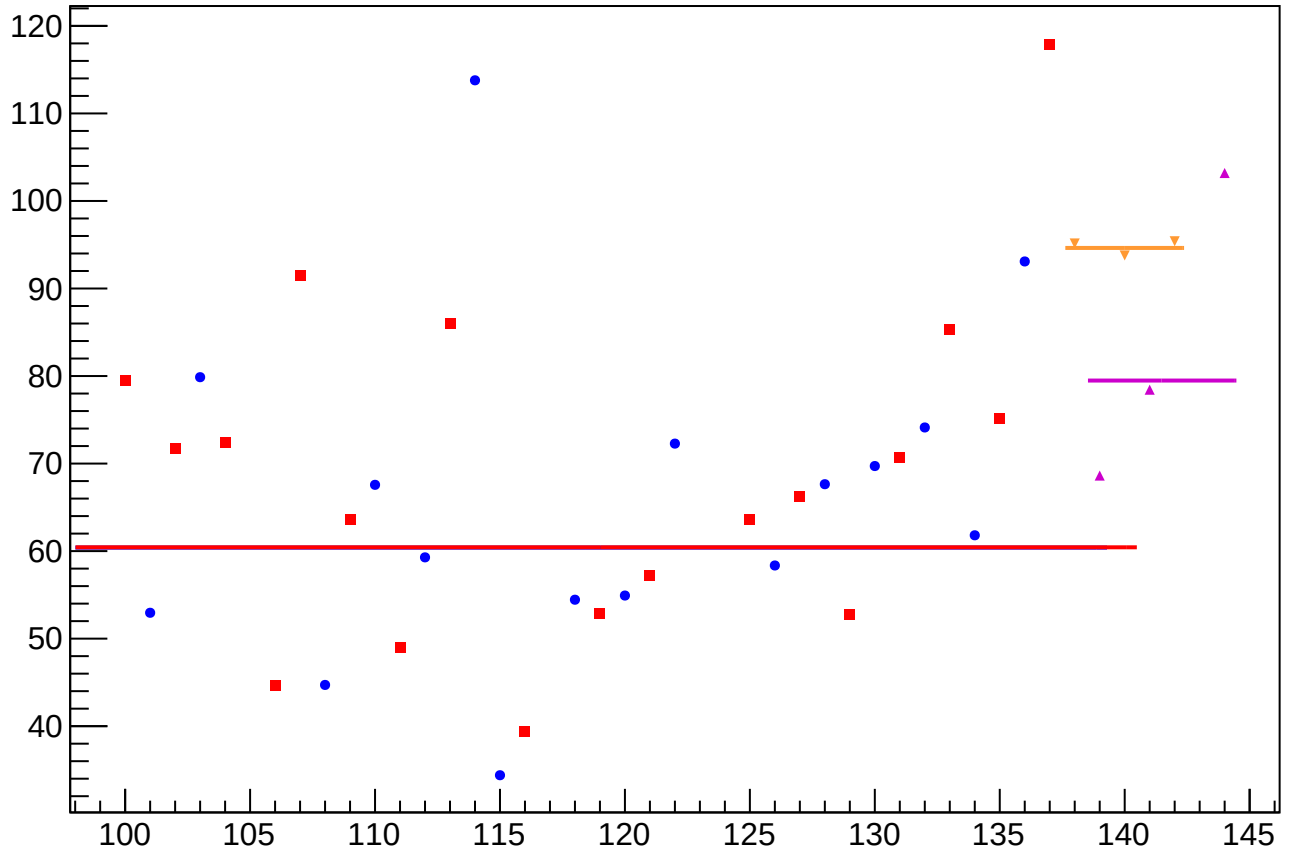
Left: 0.068+/-0.041 χ^2/NDF: 11.0/5

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

In: -0.005+/-0.022 χ^2/NDF:29.4/18

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.005+/-0.016 χ^2/NDF: 63.1/39



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.6/2

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

Left In: 79.484+/-0.036 χ^2/NDF:131325.6/2

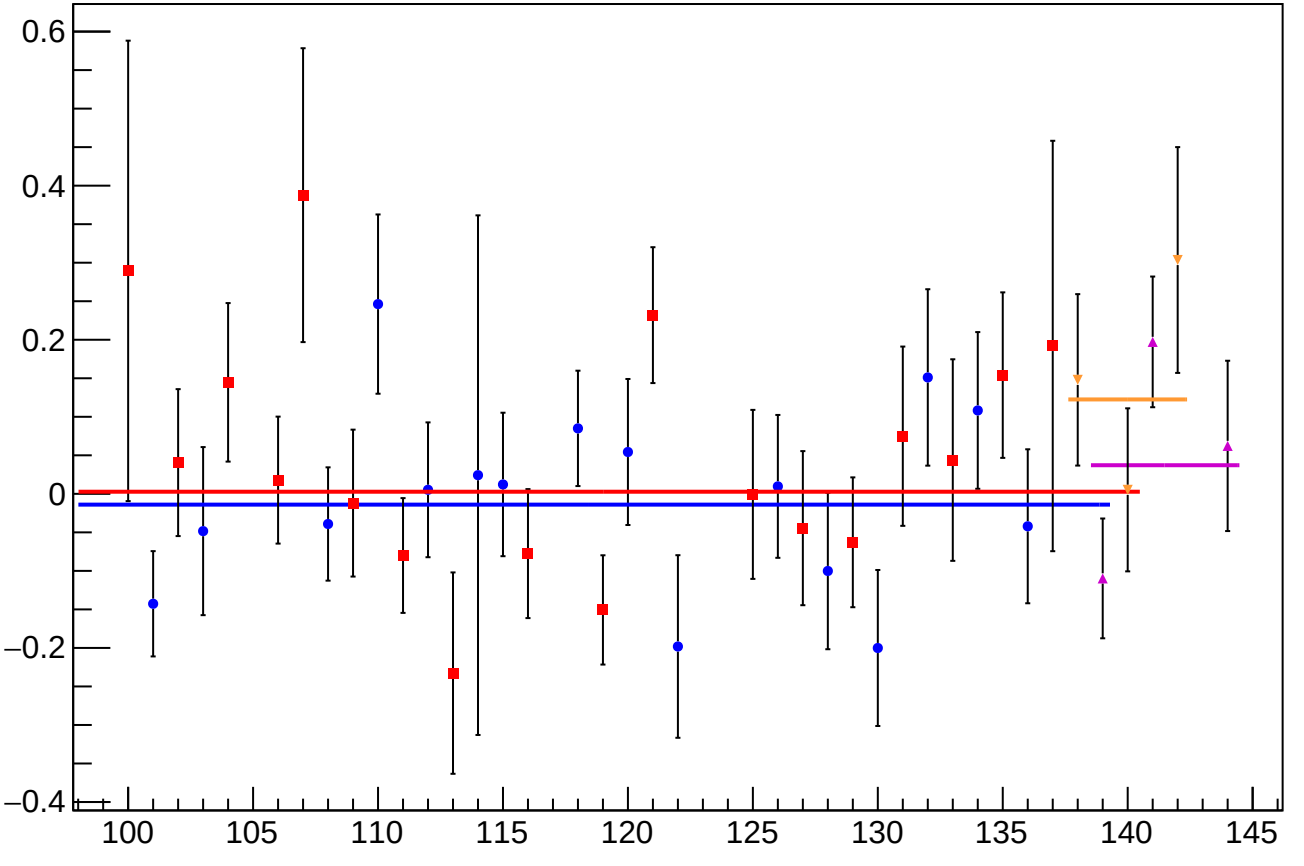
Left: 84.928+/-0.029 χ^2/NDF: 195272.4/5

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

In: 63.840+/-0.015 χ^2/NDF:1065159.8/18

Out: 64.171+/-0.016 χ^2/NDF:1162786.3/20

All: 63.999+/-0.011 χ^2/NDF: 2228171.8/39



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.037+/-0.051 χ^2/NDF:7.2/2

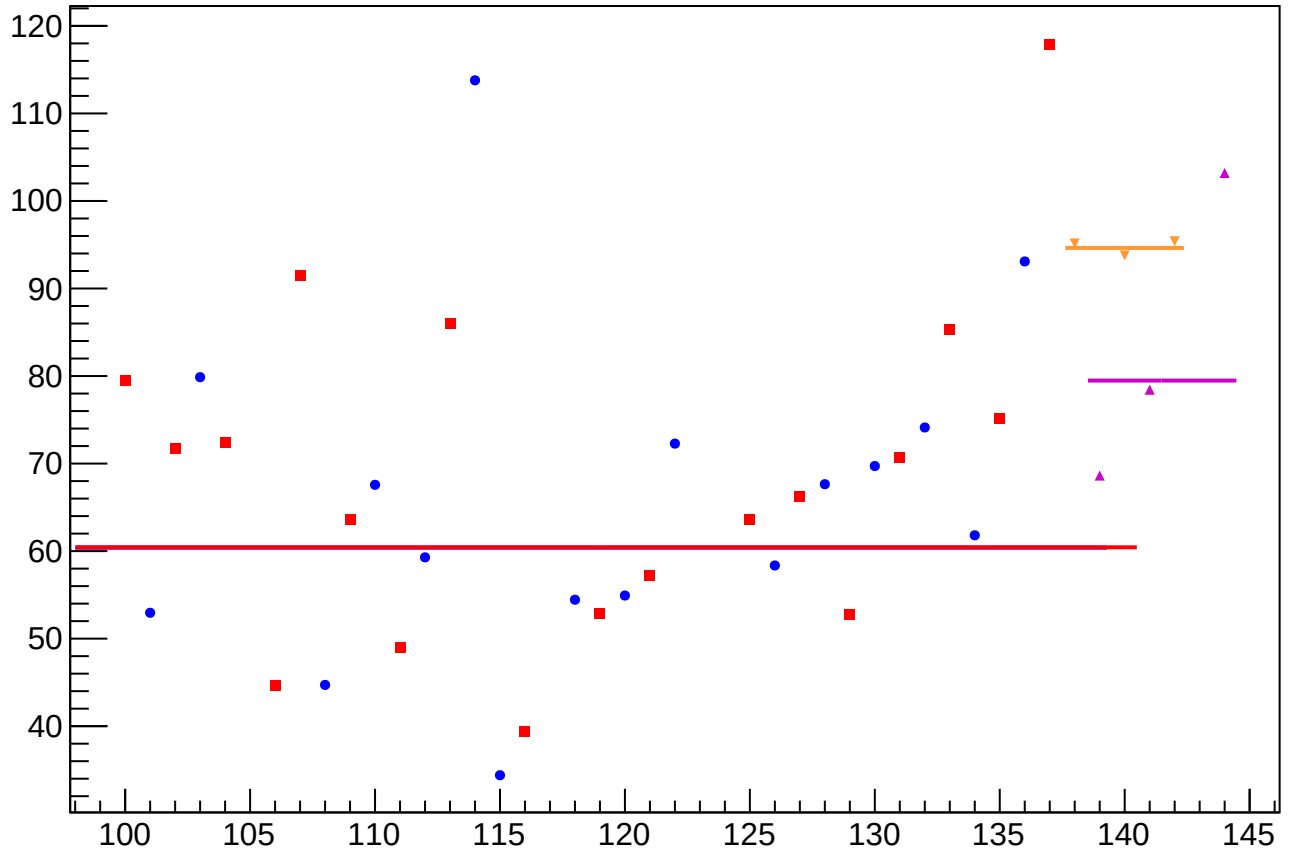
Left: 0.068+/-0.041 χ^2/NDF: 11.0/5

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

In: -0.005+/-0.022 χ^2/NDF:29.4/18

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.005+/-0.016 χ^2/NDF: 63.1/39



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.6/2

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

Left In: 79.484+/-0.036 χ^2/NDF:131325.6/2

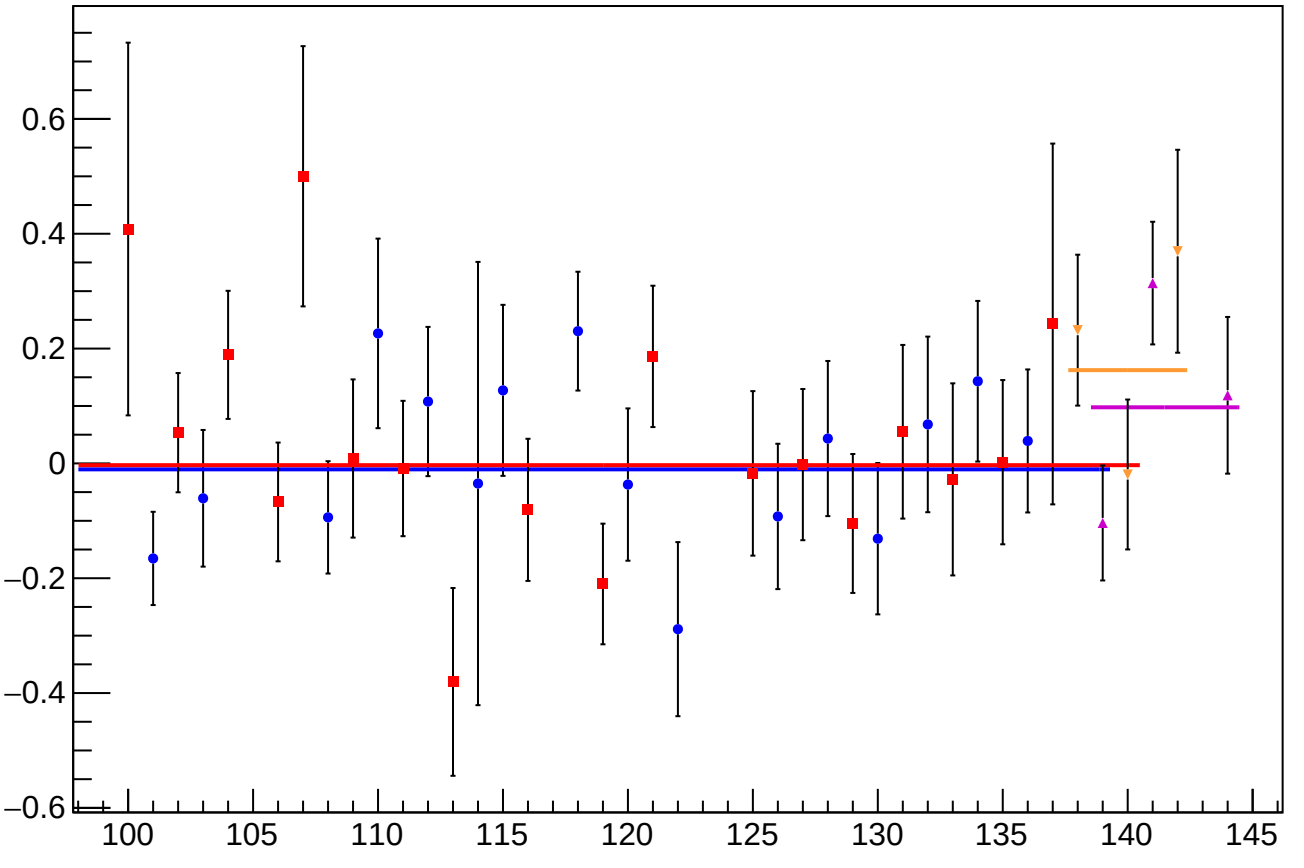
Left: 84.928+/-0.029 χ^2/NDF: 195272.4/5

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

In: 63.840+/-0.015 χ^2/NDF:1065159.8/18

Out: 64.171+/-0.016 χ^2/NDF:1162786.3/20

All: 63.999+/-0.011 χ^2/NDF: 2228171.8/39



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

Left Out: 0.162+/-0.082 χ^2/NDF:3.6/2

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

Left In: 0.098+/-0.064 χ^2/NDF:8.2/2

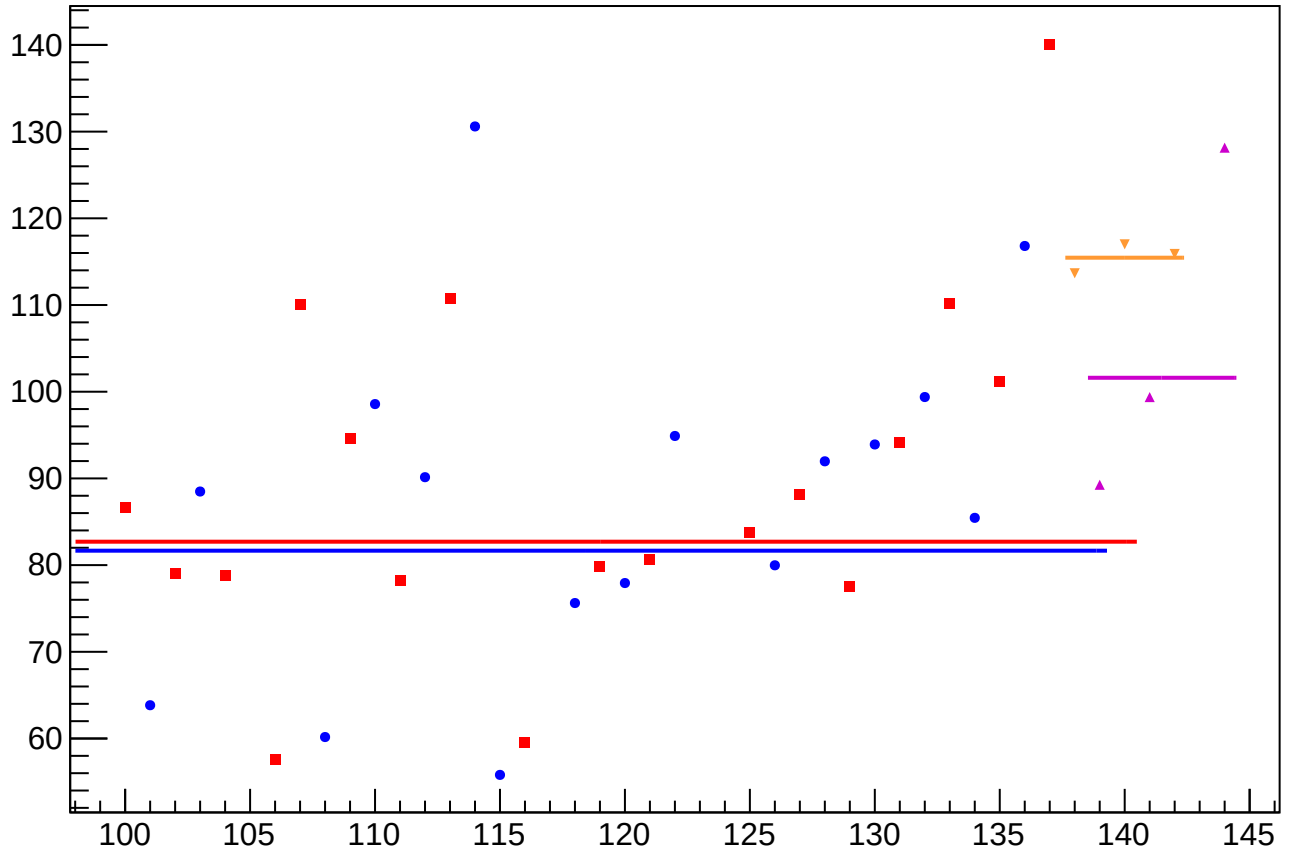
Left: 0.122+/-0.051 χ^2/NDF: 12.1/5

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

In: 0.011+/-0.028 χ^2/NDF:30.6/18

Out: 0.018+/-0.030 χ^2/NDF:30.8/20

All: 0.014+/-0.020 χ^2/NDF: 61.4/39



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

Left Out: 115.458+/-0.058 χ^2/NDF:664.7/2

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

Left In: 101.608+/-0.046 χ^2/NDF:106891.3/2

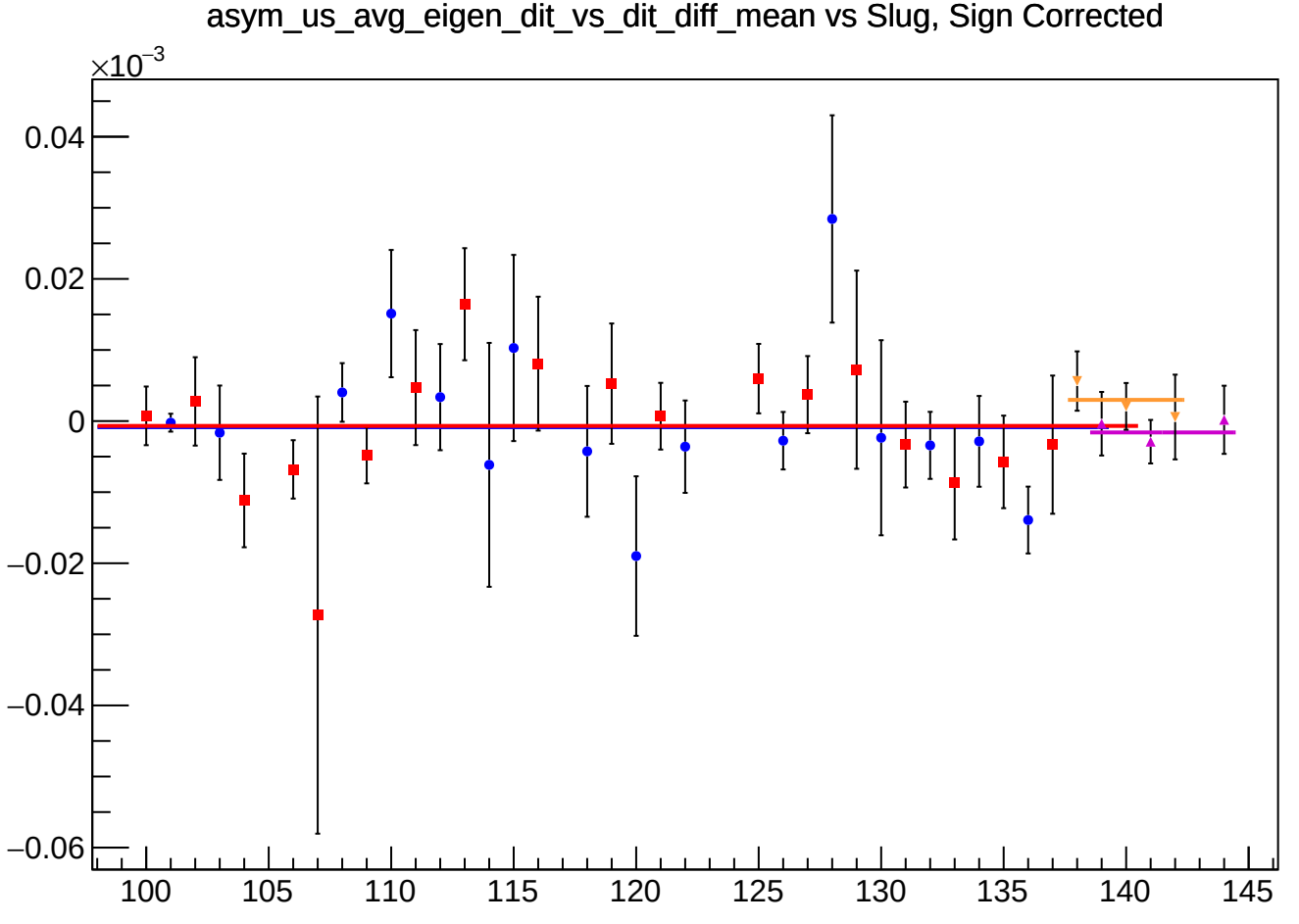
Left: 106.890+/-0.036 χ^2/NDF: 142818.6/5

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

In: 85.534+/-0.020 χ^2/NDF:823285.0/18

Out: 86.966+/-0.021 χ^2/NDF:751079.7/20

All: 86.220+/-0.014 χ^2/NDF: 1576805.4/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

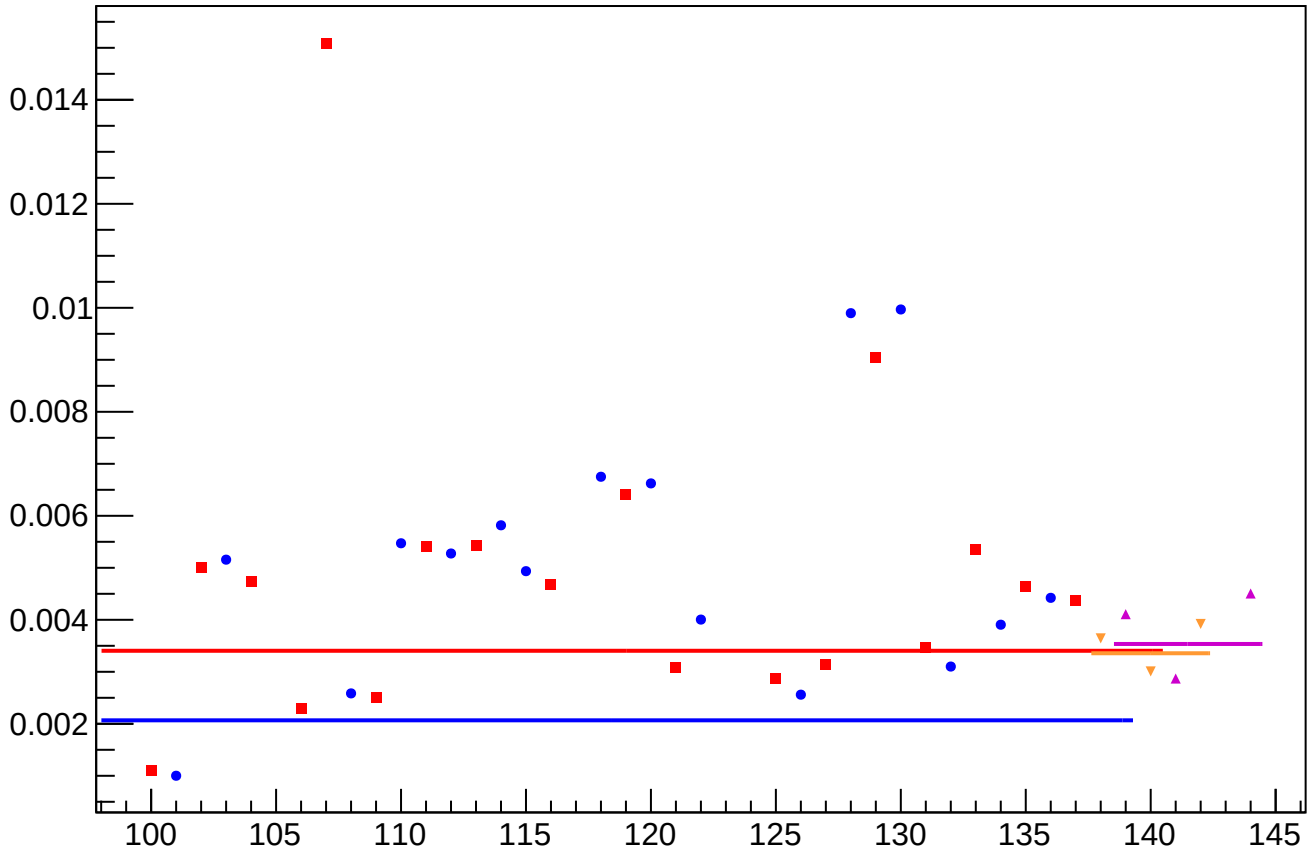
Left: 0.000+/-0.000 χ^2/NDF: 3.0/5

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

In: -0.000+/-0.000 χ^2/NDF:21.8/18

Out: 0.000+/-0.000 χ^2/NDF:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 43.2/39



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

Left Out: 0.003+/-0.000 χ^2/NDF:49877.7/2

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

Left In: 0.004+/-0.000 χ^2/NDF:209209.9/2

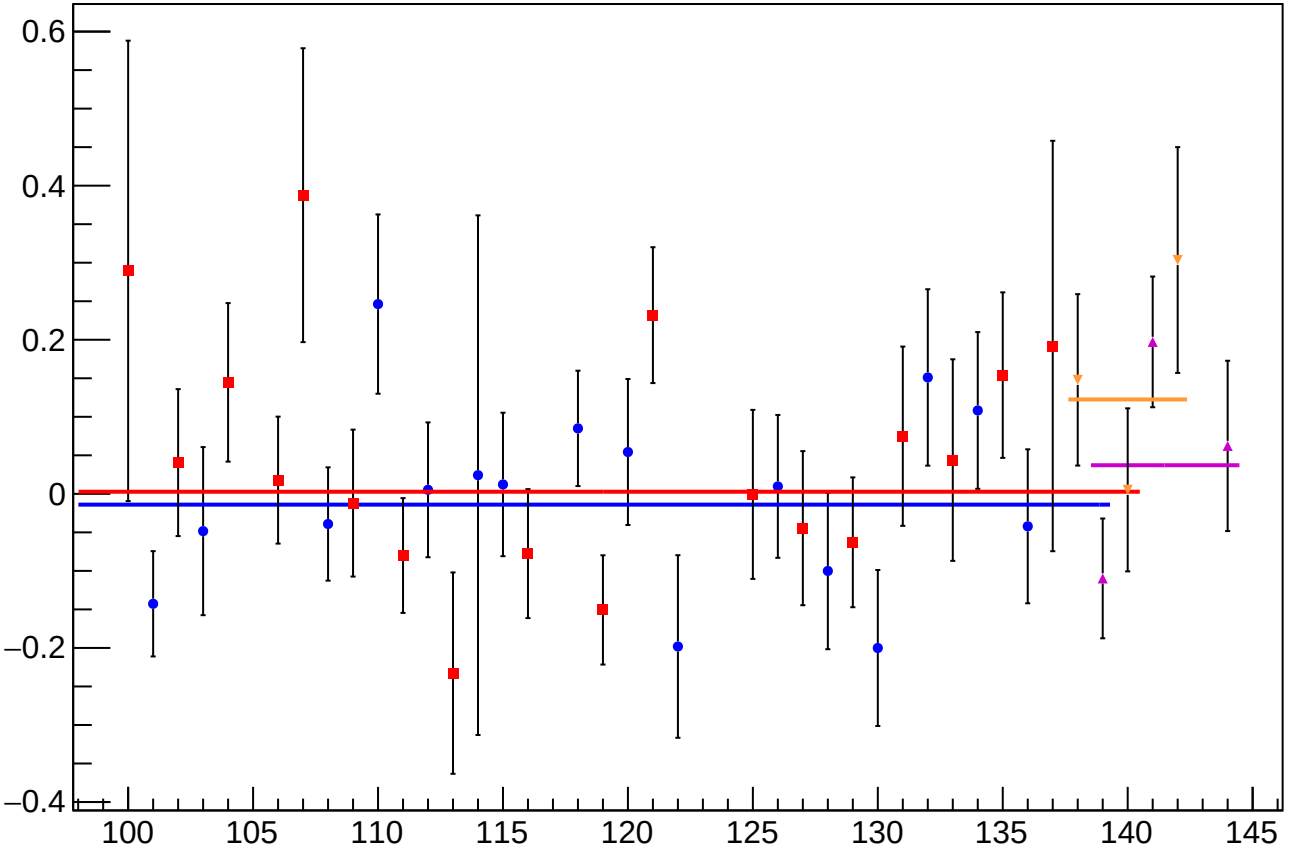
Left: 0.003+/-0.000 χ^2/NDF: 265105.1/5

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

In: 0.002+/-0.000 χ^2/NDF:6740163.3/18

Out: 0.003+/-0.000 χ^2/NDF:2541782.1/20

All: 0.003+/-0.000 χ^2/NDF: 10274063.1/39



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.037+/-0.051 χ^2/NDF:7.2/2

Left: 0.068+/-0.041 χ^2/NDF: 11.0/5

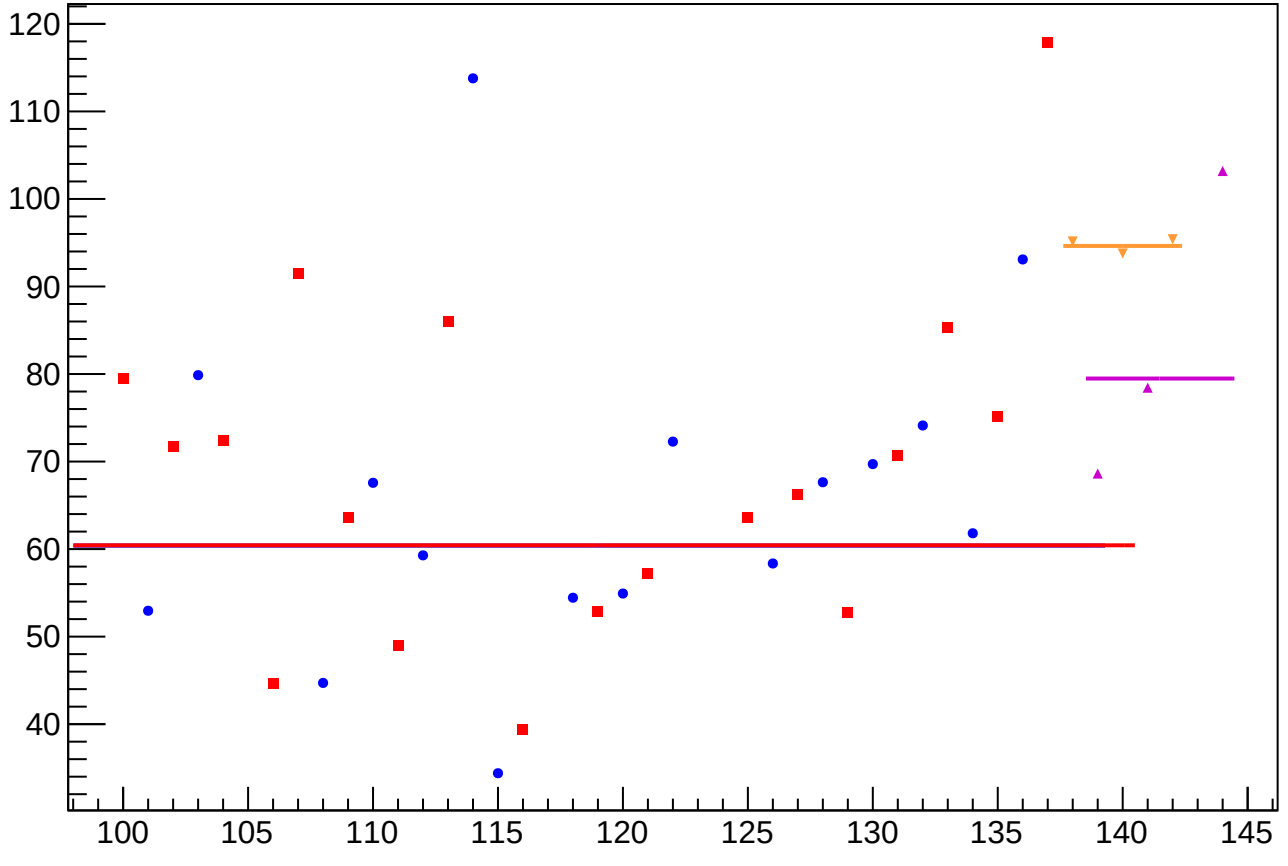
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.005+/-0.022 χ^2/NDF:29.4/18

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.005+/-0.016 χ^2/NDF: 63.1/39

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.9/2

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

Left In: 79.485+/-0.036 χ^2/NDF:131315.2/2

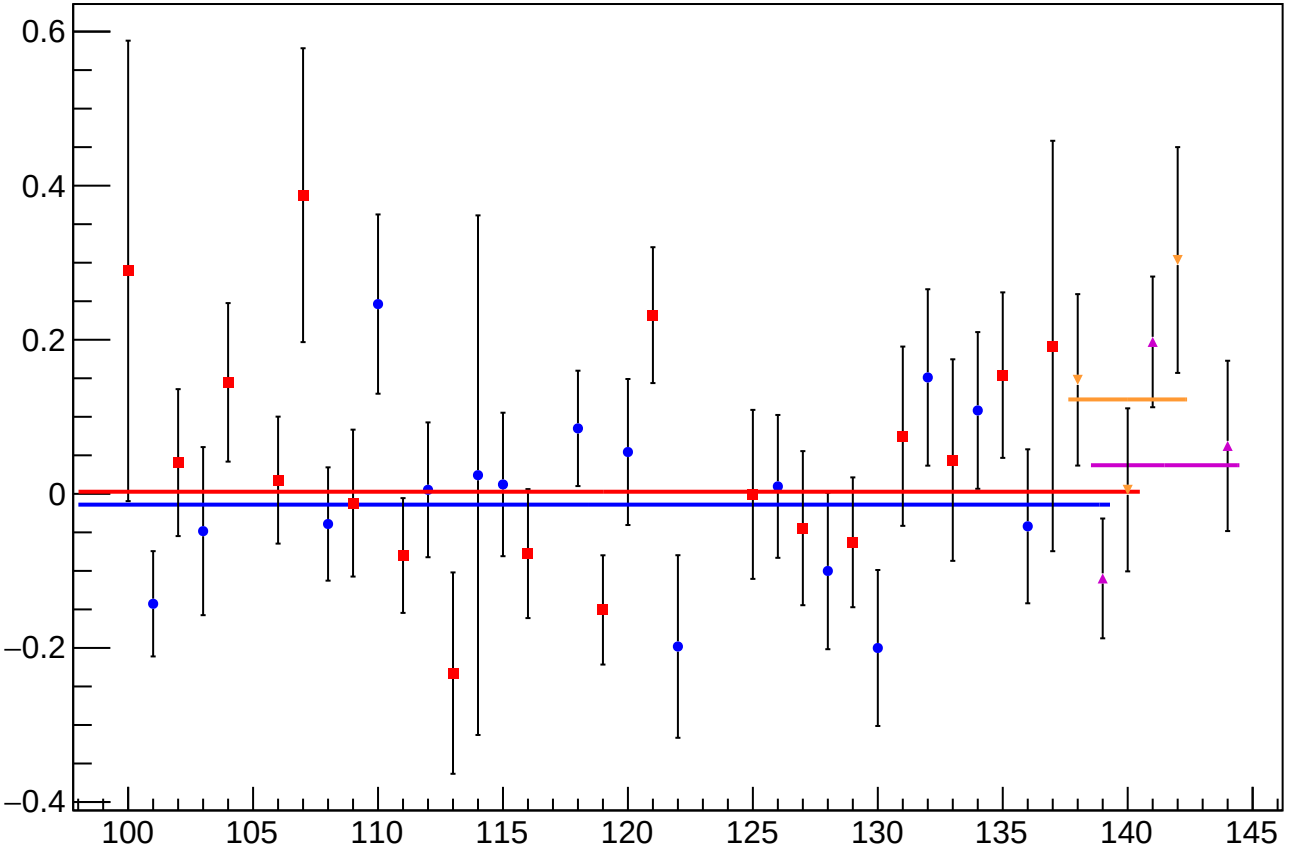
Left: 84.928+/-0.029 χ^2/NDF: 195260.2/5

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

In: 63.839+/-0.015 χ^2/NDF:1065206.6/18

Out: 64.169+/-0.016 χ^2/NDF:1162868.0/20

All: 63.997+/-0.011 χ^2/NDF: 2228299.6/39



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.037+/-0.051 χ^2/NDF:7.2/2

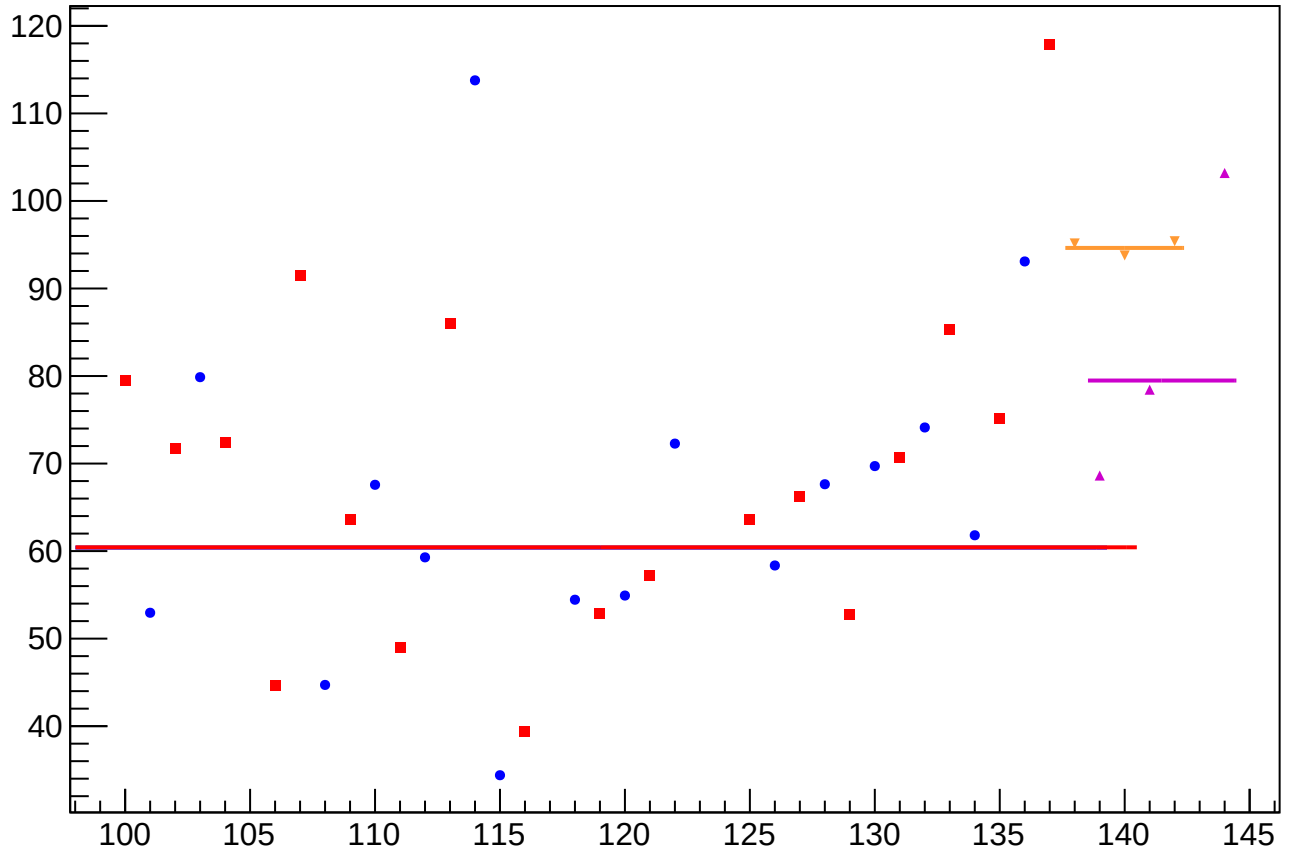
Left: 0.068+/-0.041 χ^2/NDF: 11.0/5

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

In: -0.005+/-0.022 χ^2/NDF:29.4/18

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.005+/-0.016 χ^2/NDF: 63.1/39



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.9/2

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

Left In: 79.485+/-0.036 χ^2/NDF:131315.2/2

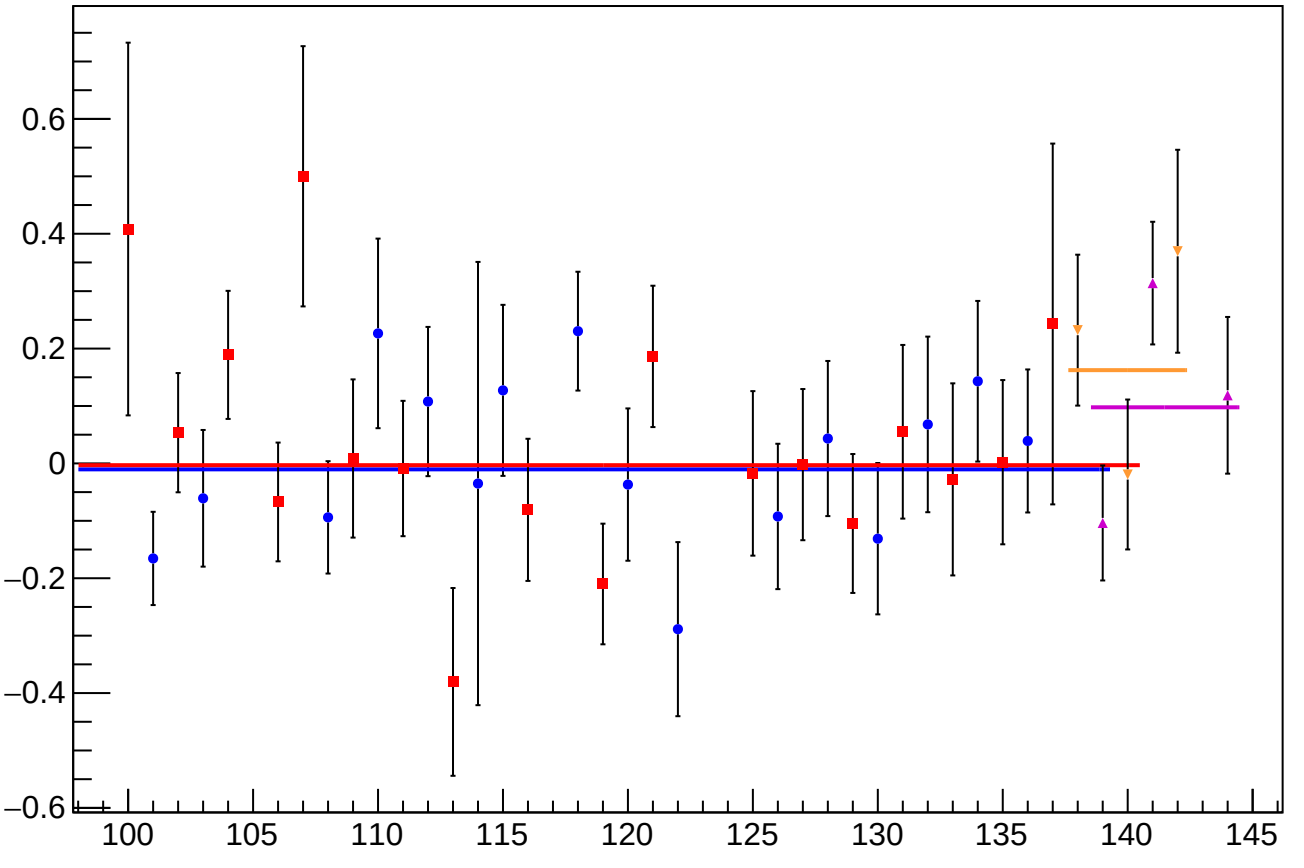
Left: 84.928+/-0.029 χ^2/NDF: 195260.2/5

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

In: 63.839+/-0.015 χ^2/NDF:1065206.6/18

Out: 64.169+/-0.016 χ^2/NDF:1162868.0/20

All: 63.997+/-0.011 χ^2/NDF: 2228299.6/39



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

Left Out: 0.162+/-0.082 χ^2/NDF:3.6/2

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

Left In: 0.098+/-0.064 χ^2/NDF:8.2/2

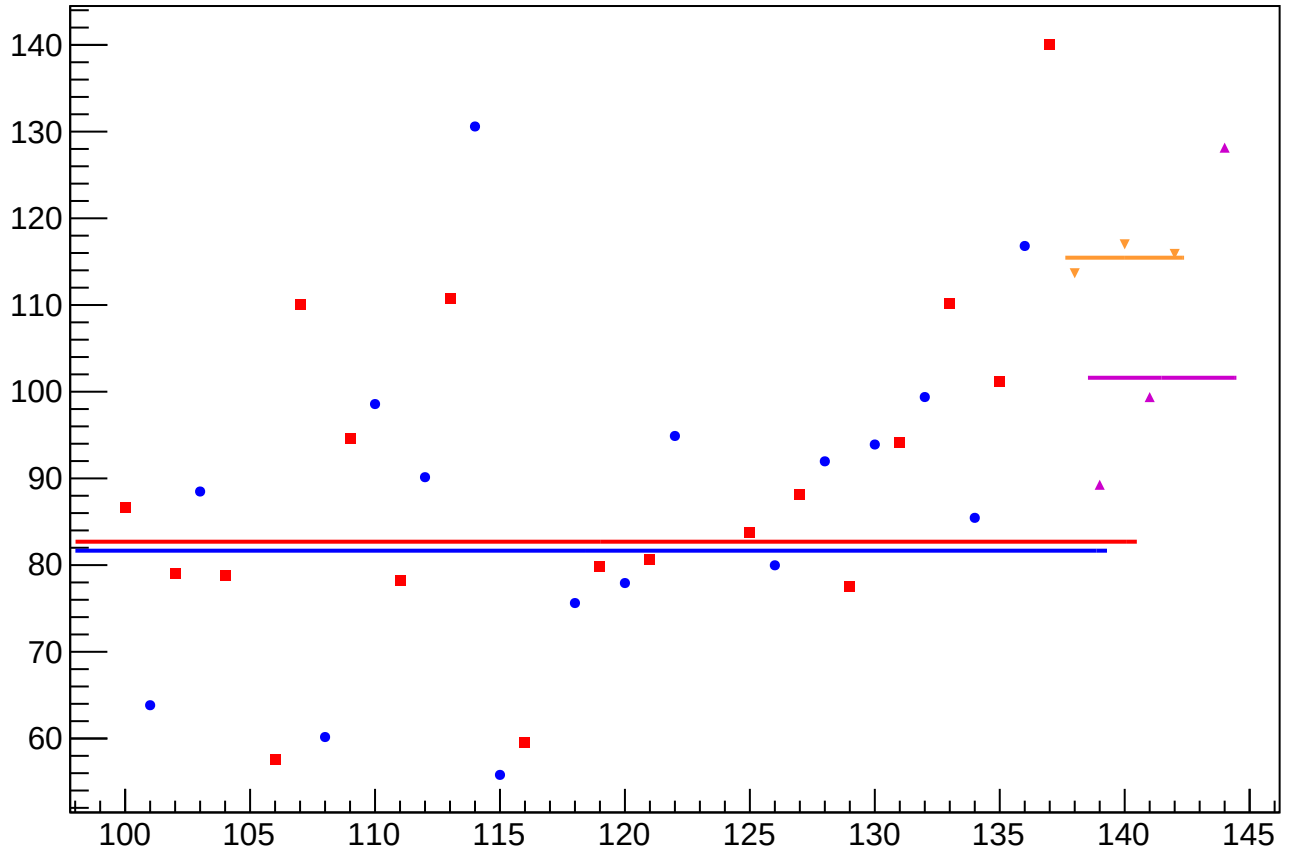
Left: 0.122+/-0.051 χ^2/NDF: 12.1/5

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

In: 0.011+/-0.028 χ^2/NDF:30.6/18

Out: 0.018+/-0.030 χ^2/NDF:30.8/20

All: 0.014+/-0.020 χ^2/NDF: 61.4/39



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

Left Out: 115.458+/-0.058 χ^2/NDF:664.7/2

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

Left In: 101.609+/-0.046 χ^2/NDF:106885.8/2

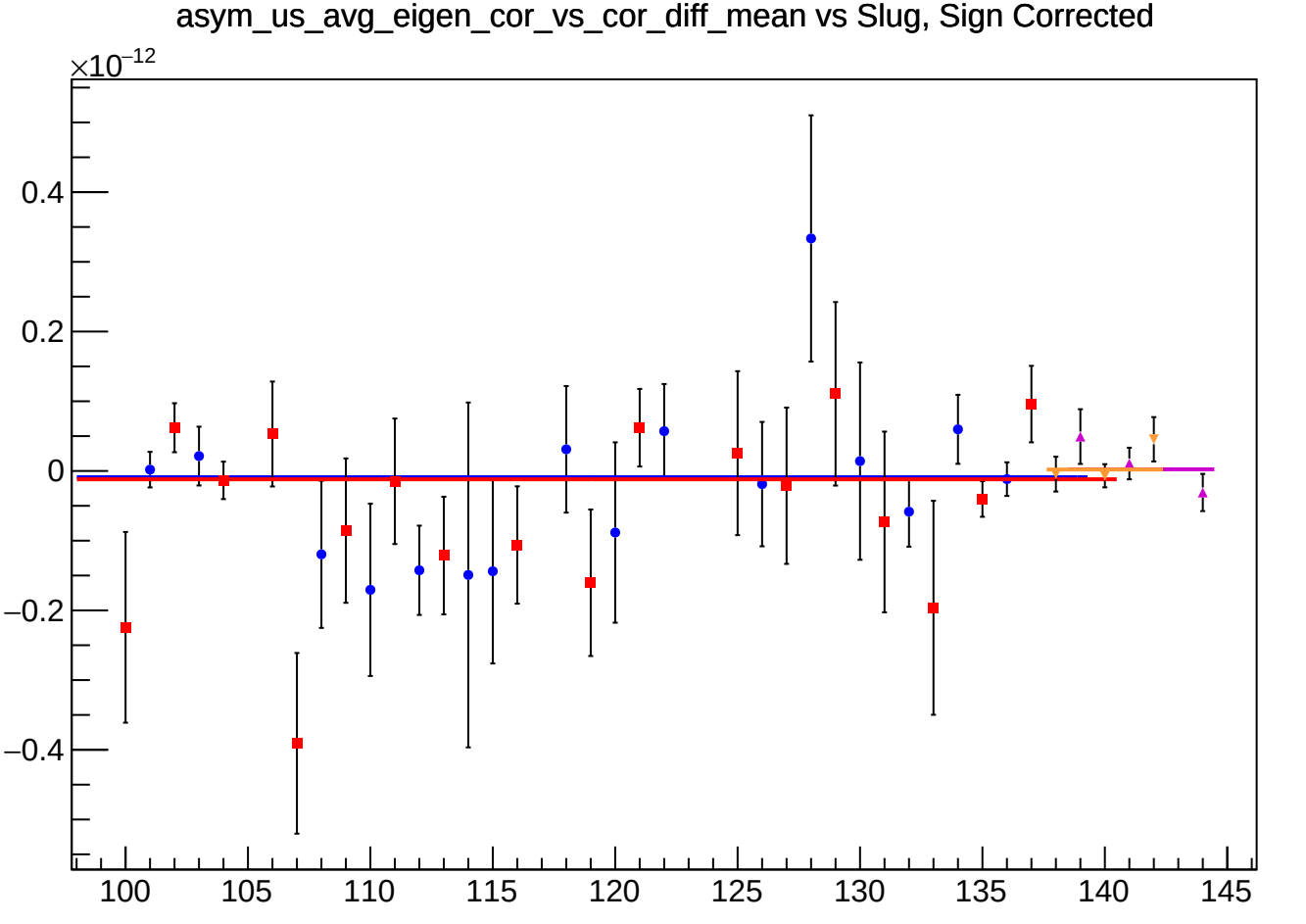
Left: 106.890+/-0.036 χ^2/NDF: 142811.8/5

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

In: 85.533+/-0.020 χ^2/NDF:823286.6/18

Out: 86.965+/-0.021 χ^2/NDF:751097.7/20

All: 86.219+/-0.014 χ^2/NDF: 1576823.9/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

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

Left In: 0.000+/-0.000 χ^2/NDF:3.1/2

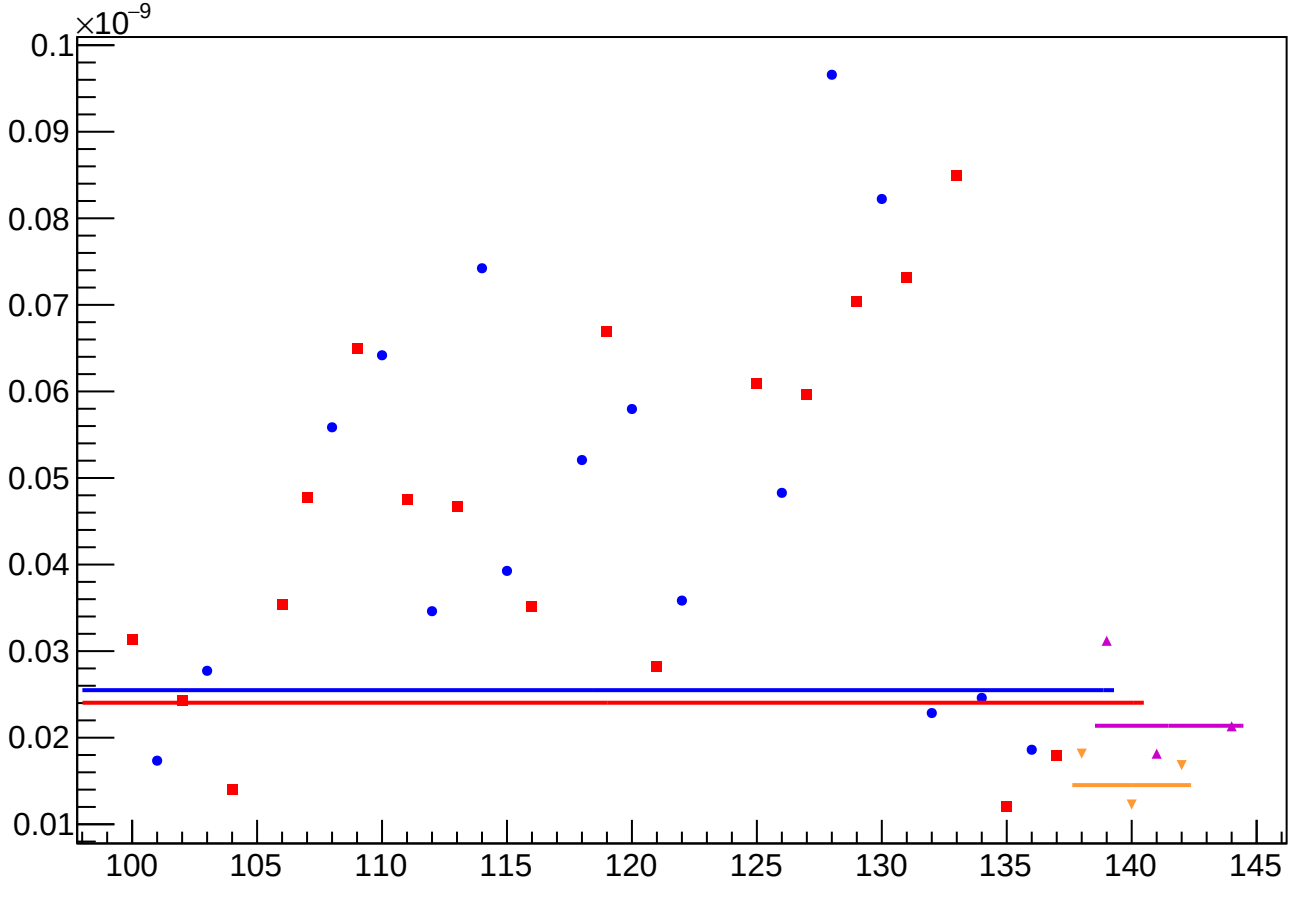
Left: 0.000+/-0.000 χ^2/NDF: 5.3/5

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

In: -0.000+/-0.000 χ^2/NDF:20.9/18

Out: -0.000+/-0.000 χ^2/NDF:33.9/20

All: -0.000+/-0.000 χ^2/NDF: 54.7/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:89158.5/2

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

Left In: 0.000+/-0.000 χ^2/NDF:165571.5/2

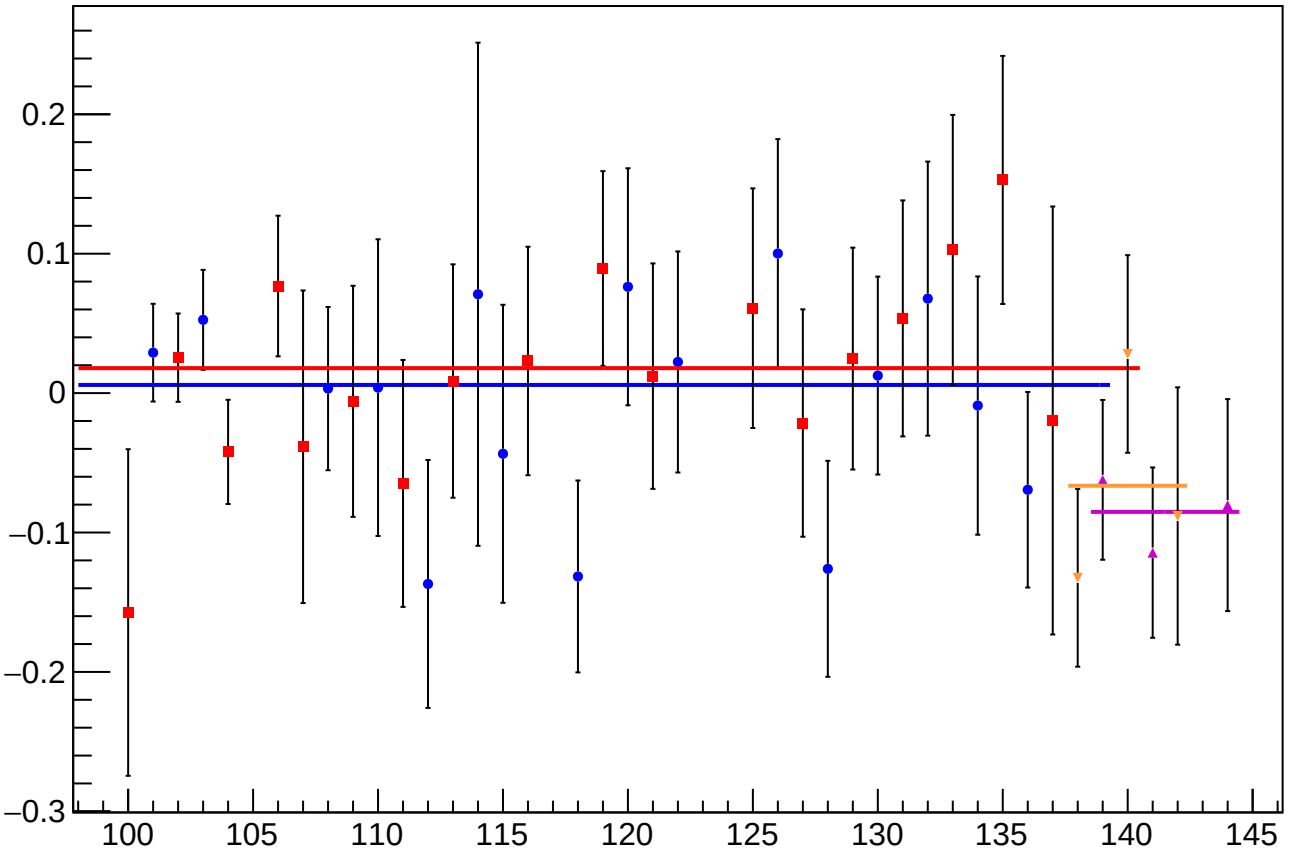
Left: 0.000+/-0.000 χ^2/NDF: 483403.8/5

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

In: 0.000+/-0.000 χ^2/NDF:2244897.6/18

Out: 0.000+/-0.000 χ^2/NDF:3705486.6/20

All: 0.000+/-0.000 χ^2/NDF: 6192275.5/39



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

Left Out: -0.066+/-0.042 χ^2/NDF:2.9/2

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

Left In: -0.085+/-0.037 χ^2/NDF:0.4/2

Left: -0.077+/-0.028 χ^2/NDF: 3.4/5

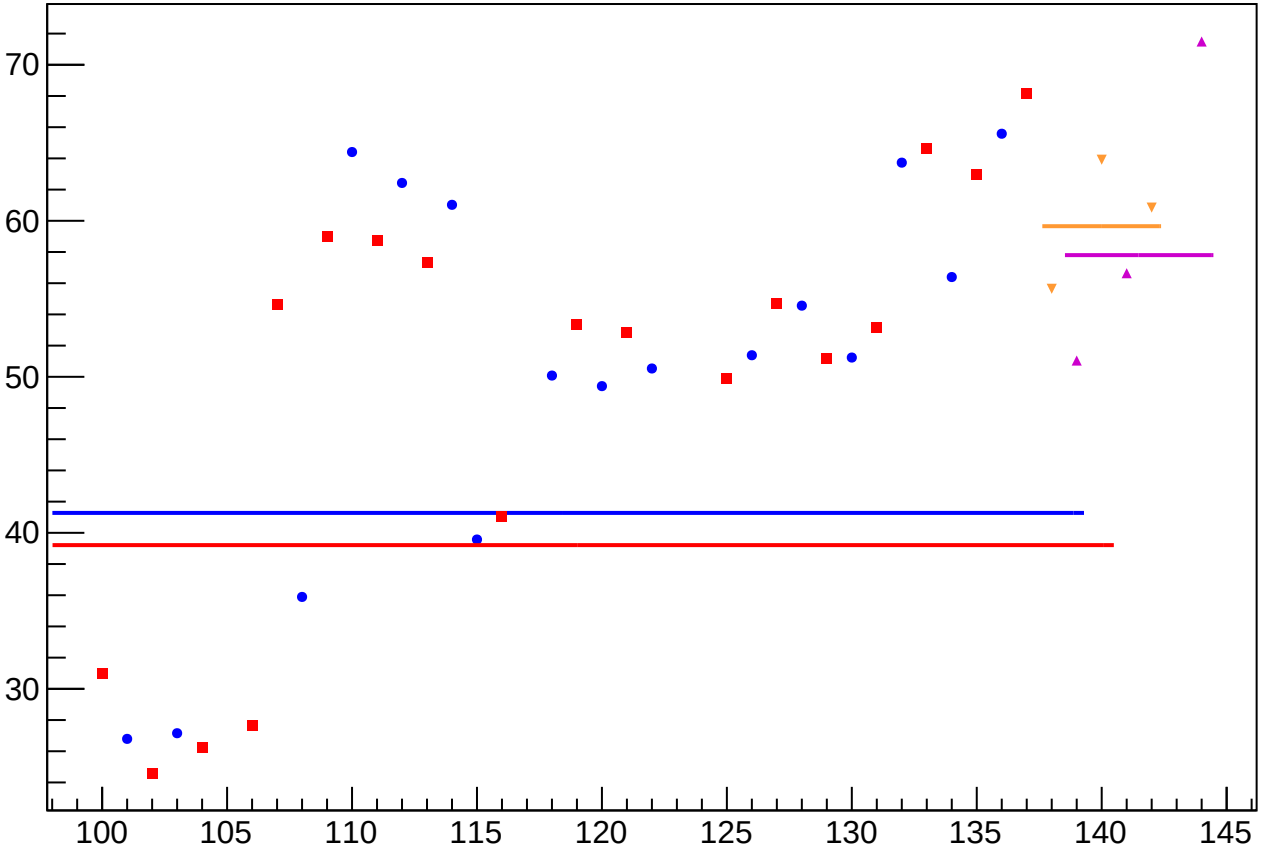
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.015 χ^2/NDF:21.1/18

Out: 0.008+/-0.015 χ^2/NDF:18.7/20

All: -0.001+/-0.011 χ^2/NDF: 40.5/39

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: 59.654+/-0.030 χ^2/NDF:15494.3/2

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

Left In: 57.800+/-0.026 χ^2/NDF:93385.6/2

Left: 58.598+/-0.020 χ^2/NDF: 111084.6/5

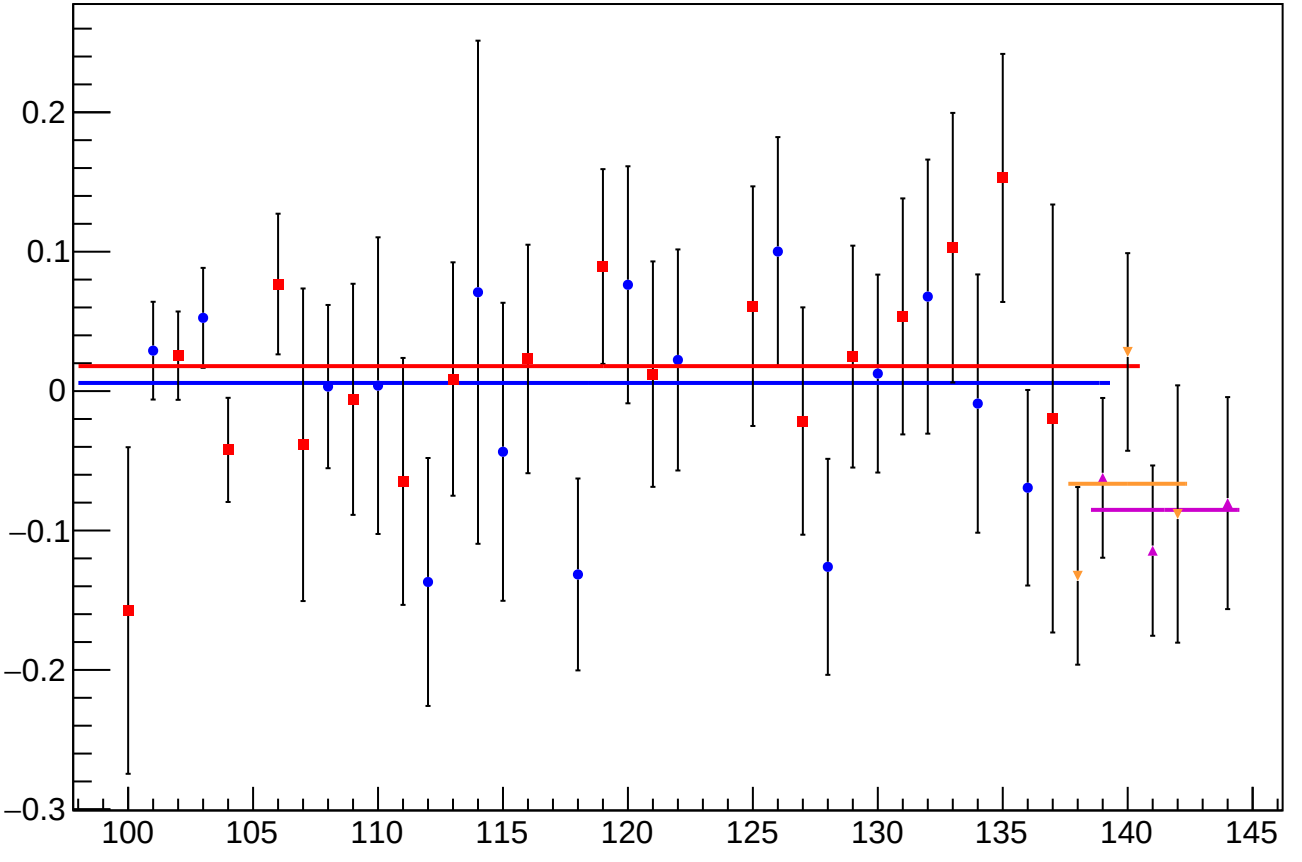
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.072+/-0.011 χ^2/NDF:1936851.0/18

Out: 41.712+/-0.010 χ^2/NDF:2248218.1/20

All: 42.866+/-0.007 χ^2/NDF: 4210149.6/39

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: -0.066+/-0.042 χ^2/NDF:2.9/2

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

Left In: -0.085+/-0.037 χ^2/NDF:0.4/2

Left: -0.077+/-0.028 χ^2/NDF: 3.4/5

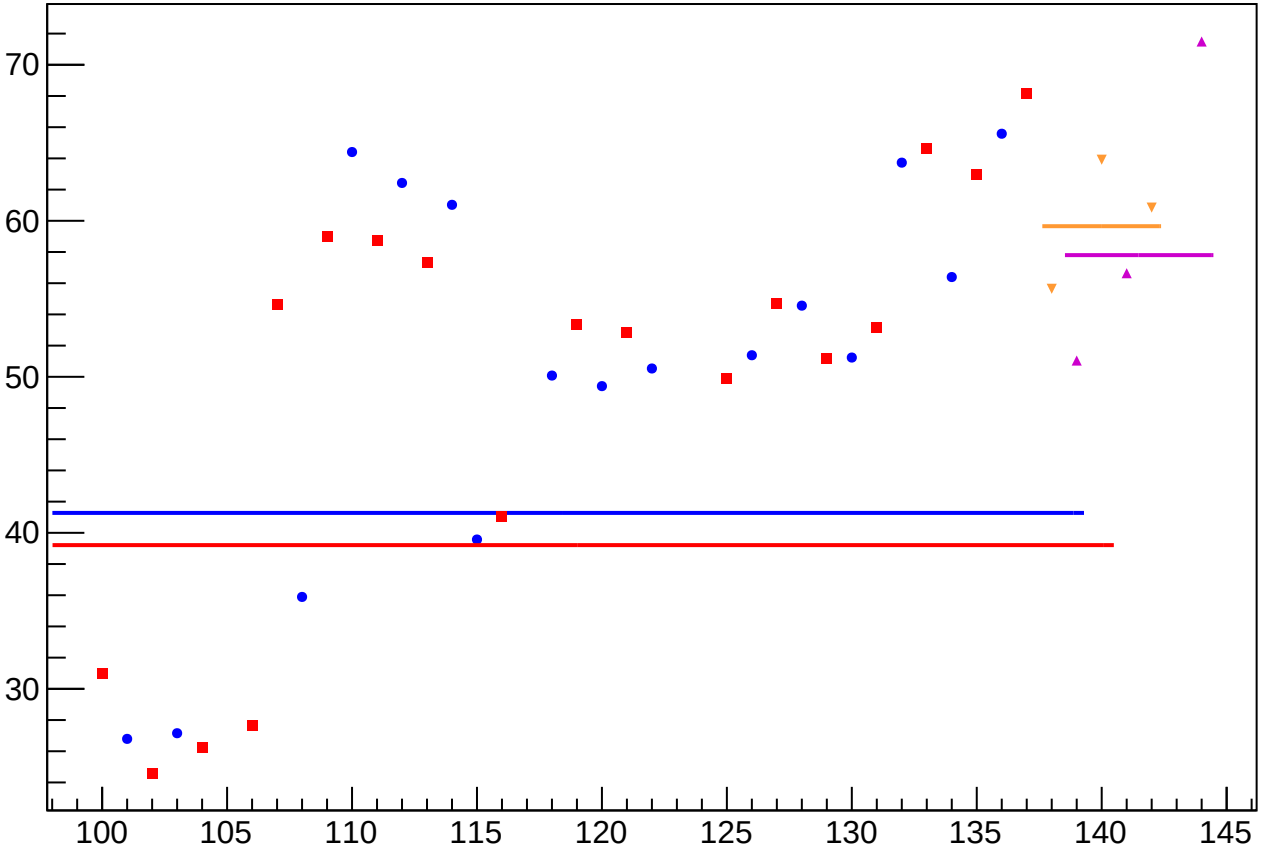
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.015 χ^2/NDF:21.1/18

Out: 0.008+/-0.015 χ^2/NDF:18.7/20

All: -0.001+/-0.011 χ^2/NDF: 40.5/39

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: 59.654+/-0.030 χ^2/NDF:15494.3/2

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

Left In: 57.800+/-0.026 χ^2/NDF:93385.6/2

Left: 58.598+/-0.020 χ^2/NDF: 111084.6/5

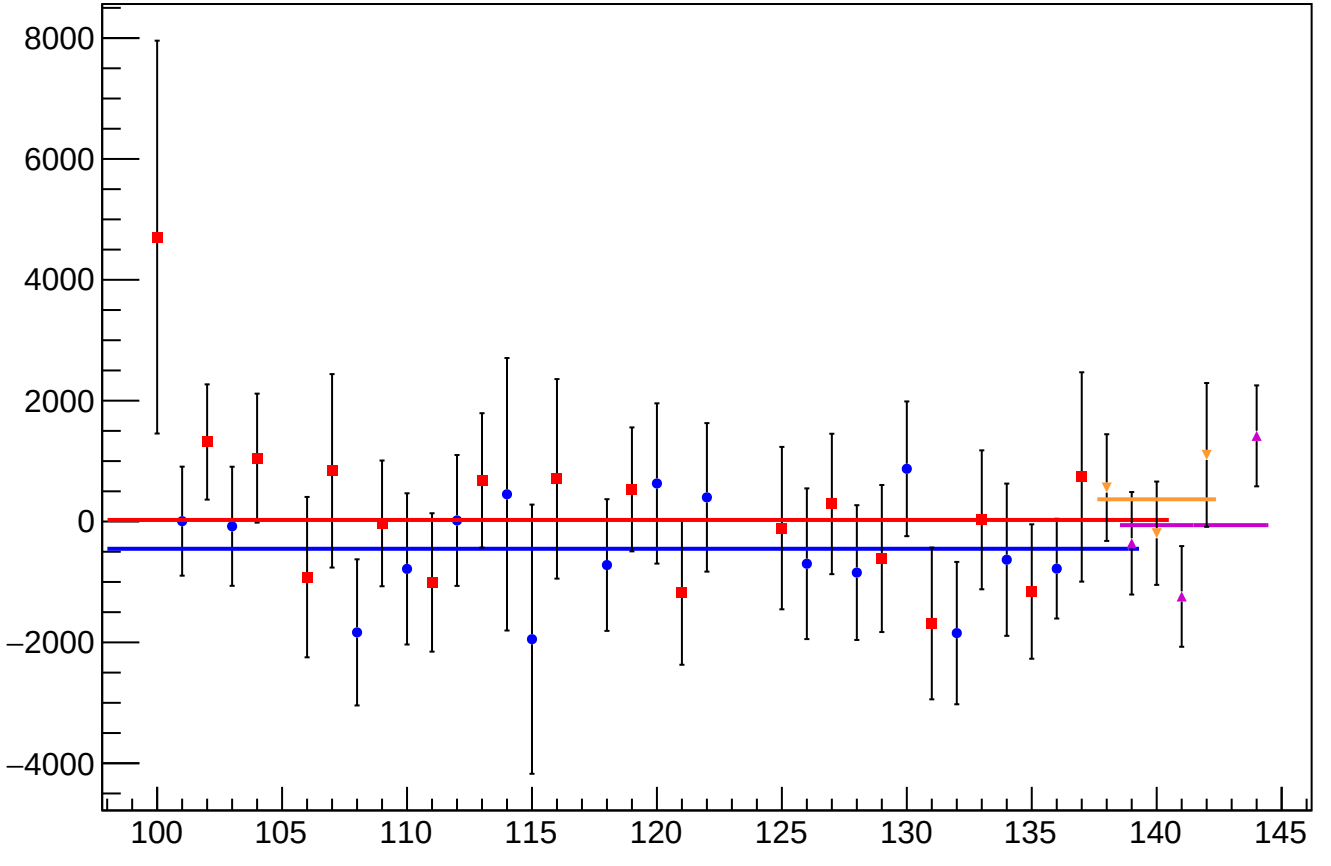
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.072+/-0.011 χ^2/NDF:1936851.0/18

Out: 41.712+/-0.010 χ^2/NDF:2248218.1/20

All: 42.866+/-0.007 χ^2/NDF: 4210149.6/39

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

Left In: -59.758+/-484.229 χ^2/NDF:5.3/2

Left: 128.541+/-362.183 χ^2/NDF: 6.5/5

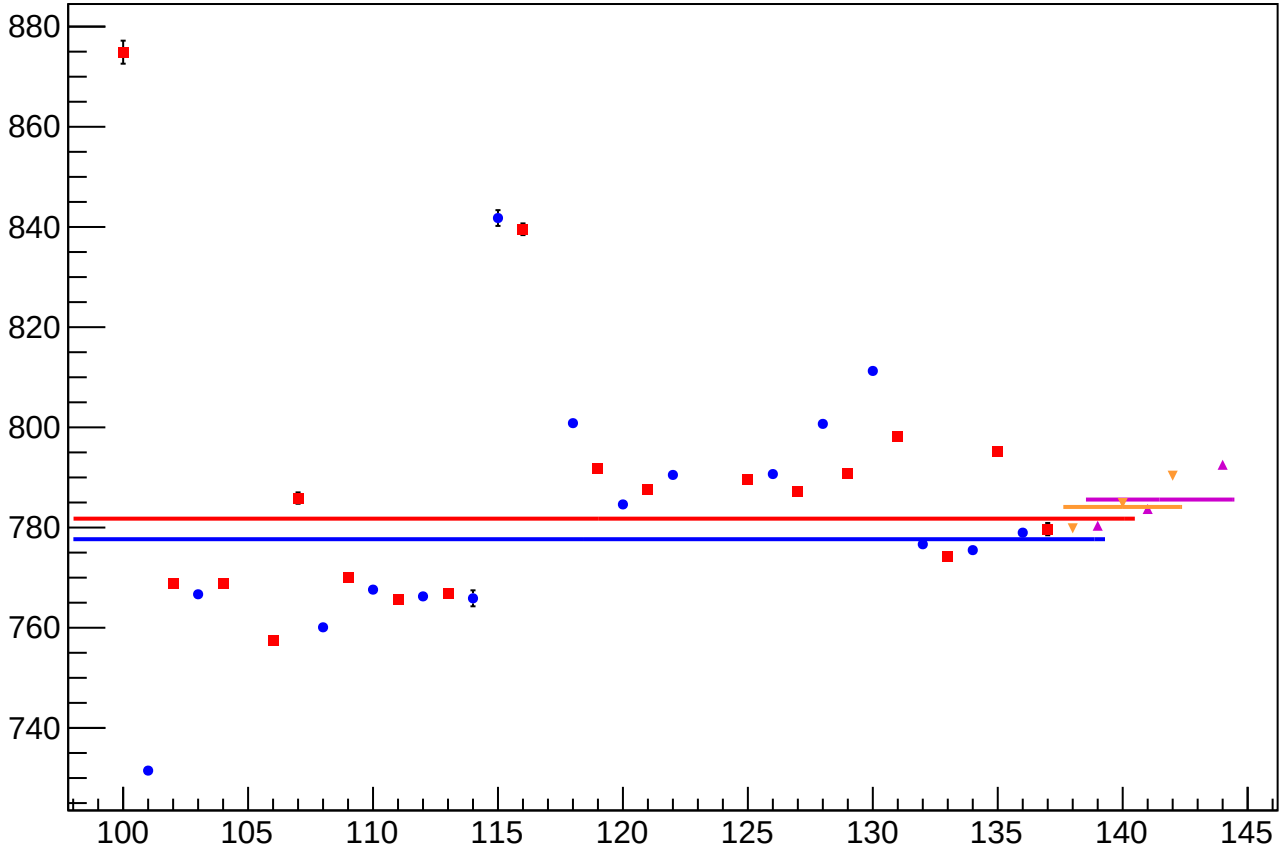
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -348.234+/-248.131 χ^2/NDF:12.7/18

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -129.754+/-177.751 χ^2/NDF: 27.1/39

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

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

Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

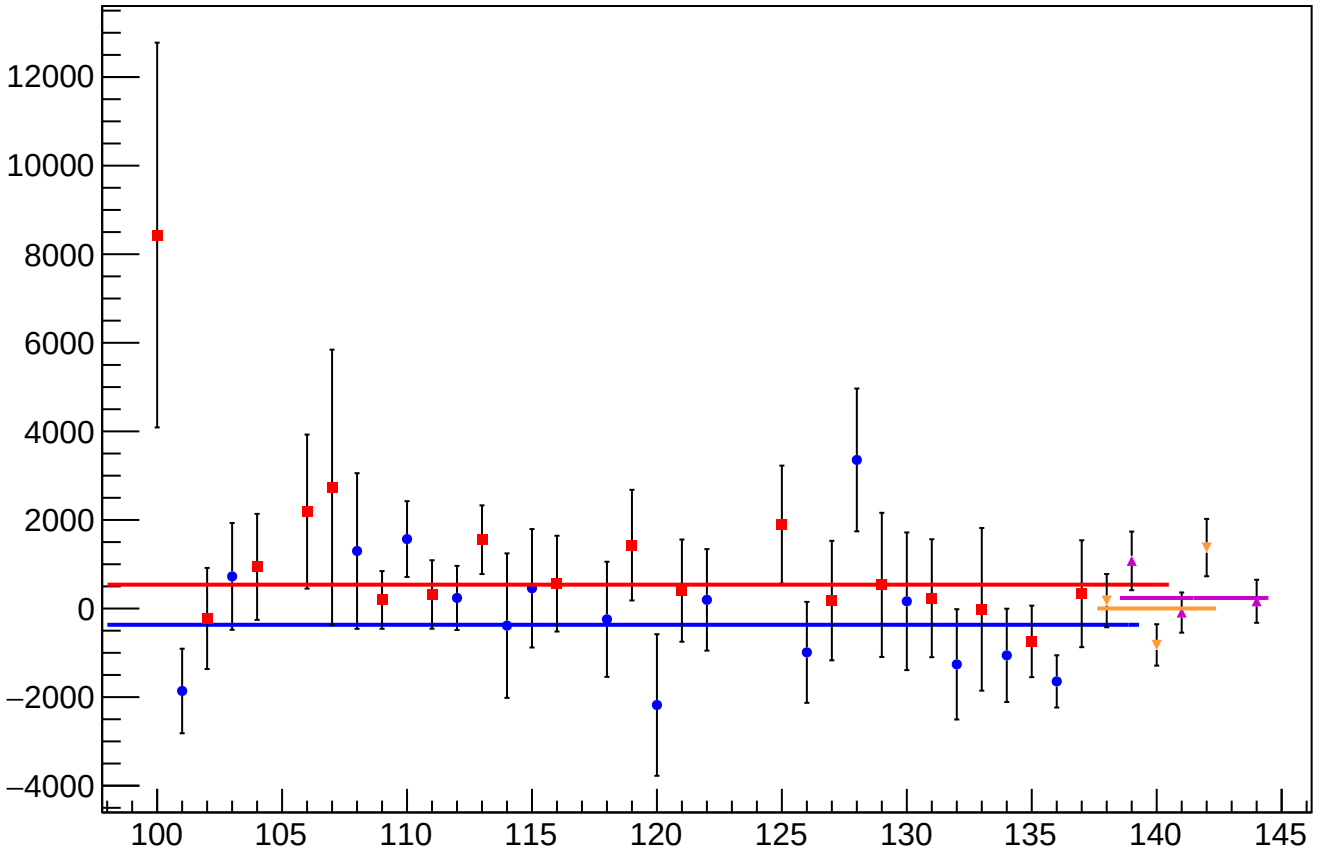
Left: 784.939+/-0.256 χ^2/NDF: 335.9/5

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

In: 779.753+/-0.175 χ^2/NDF:12673.8/18

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

All: 780.986+/-0.126 χ^2/NDF: 20533.6/39



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

Left In: 238.580+/-296.586 χ^2/NDF:2.2/2

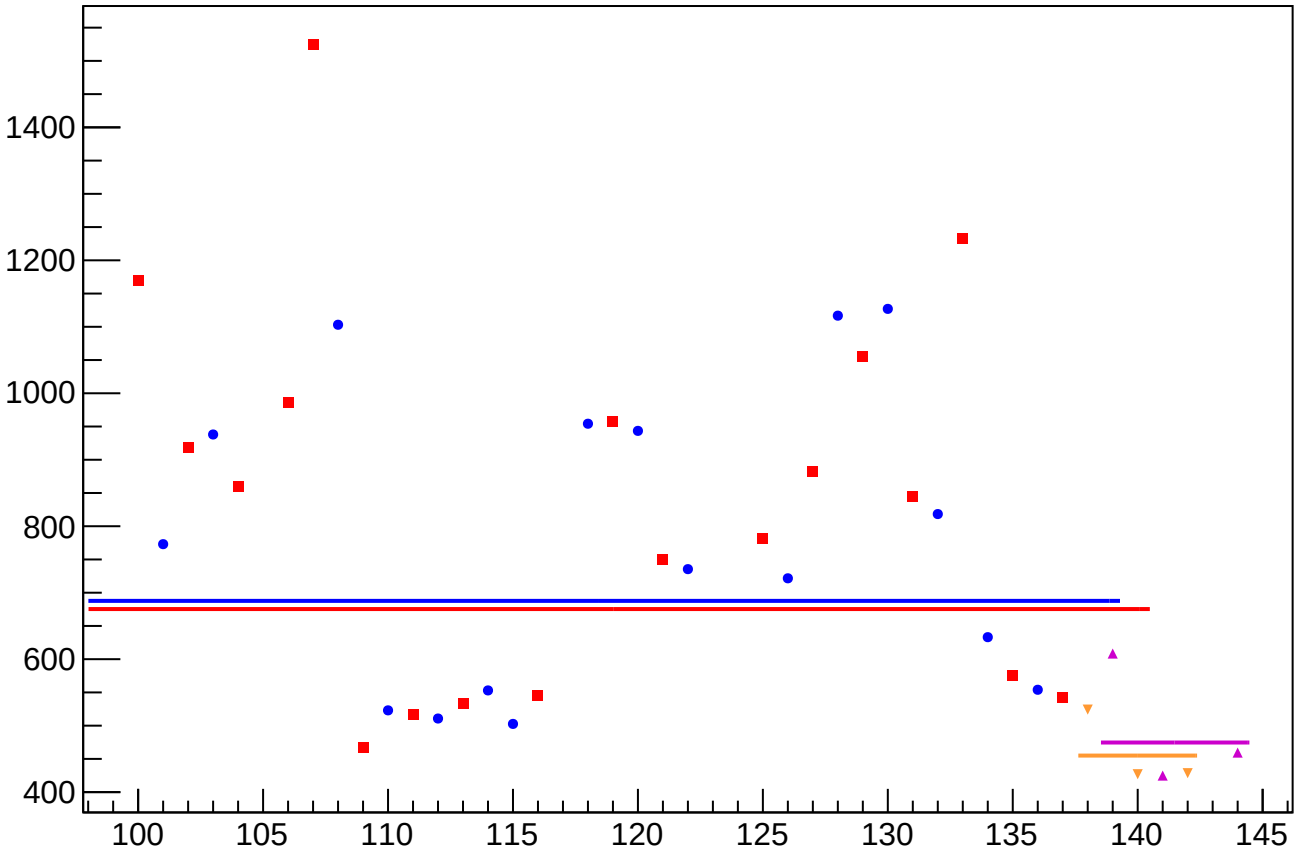
Left: 129.335+/-217.669 χ^2/NDF: 10.1/5

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

In: -96.256+/-198.311 χ^2/NDF:27.8/18

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 108.120+/-141.943 χ^2/NDF: 51.0/39



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

Left: 465.578+/-0.154 χ^2/NDF: 148898.9/5

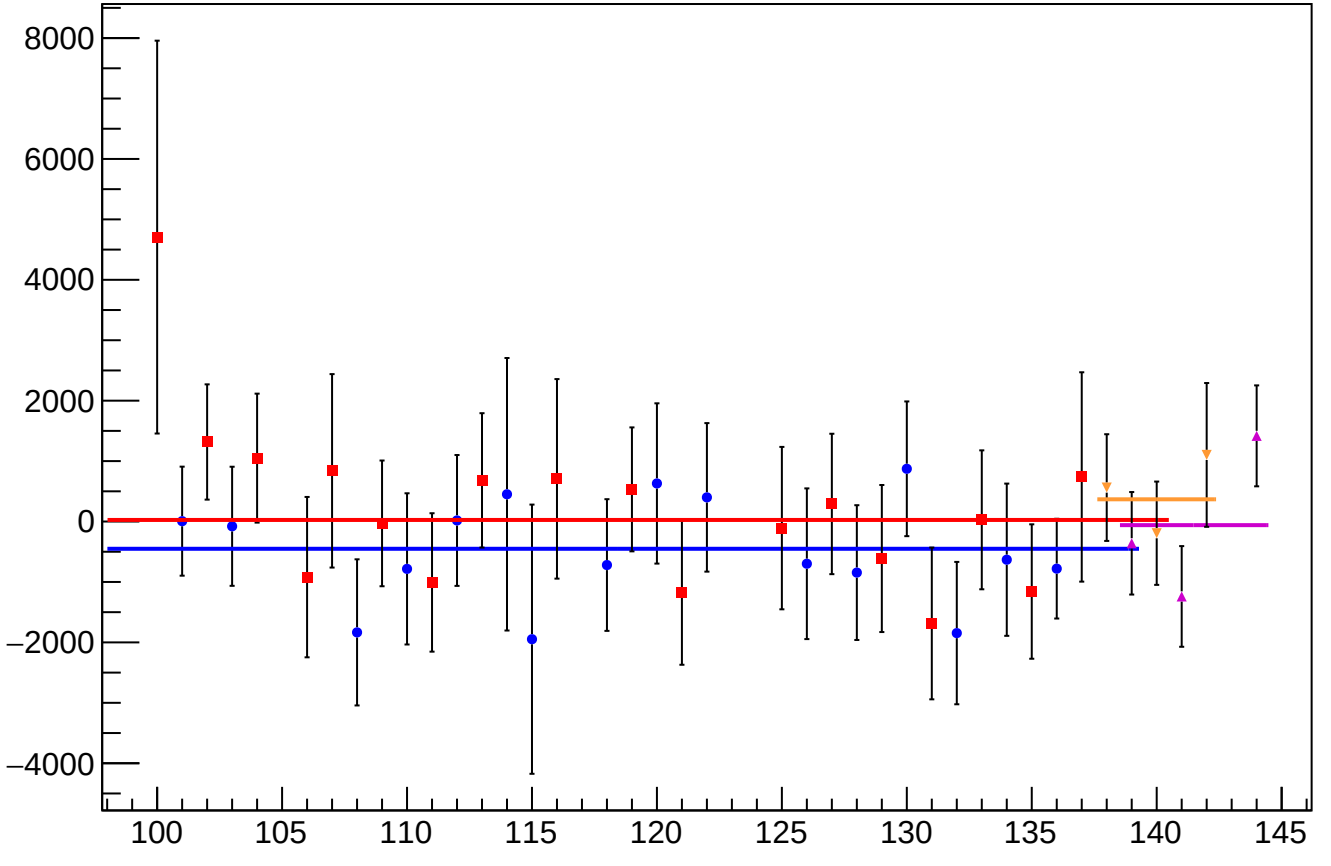
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 592.454+/-0.140 χ^2/NDF:1710417.3/18

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

All: 589.666+/-0.100 χ^2/NDF: 3626848.7/39

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

Left In: -59.758+/-484.229 χ^2/NDF:5.3/2

Left: 128.541+/-362.183 χ^2/NDF: 6.5/5

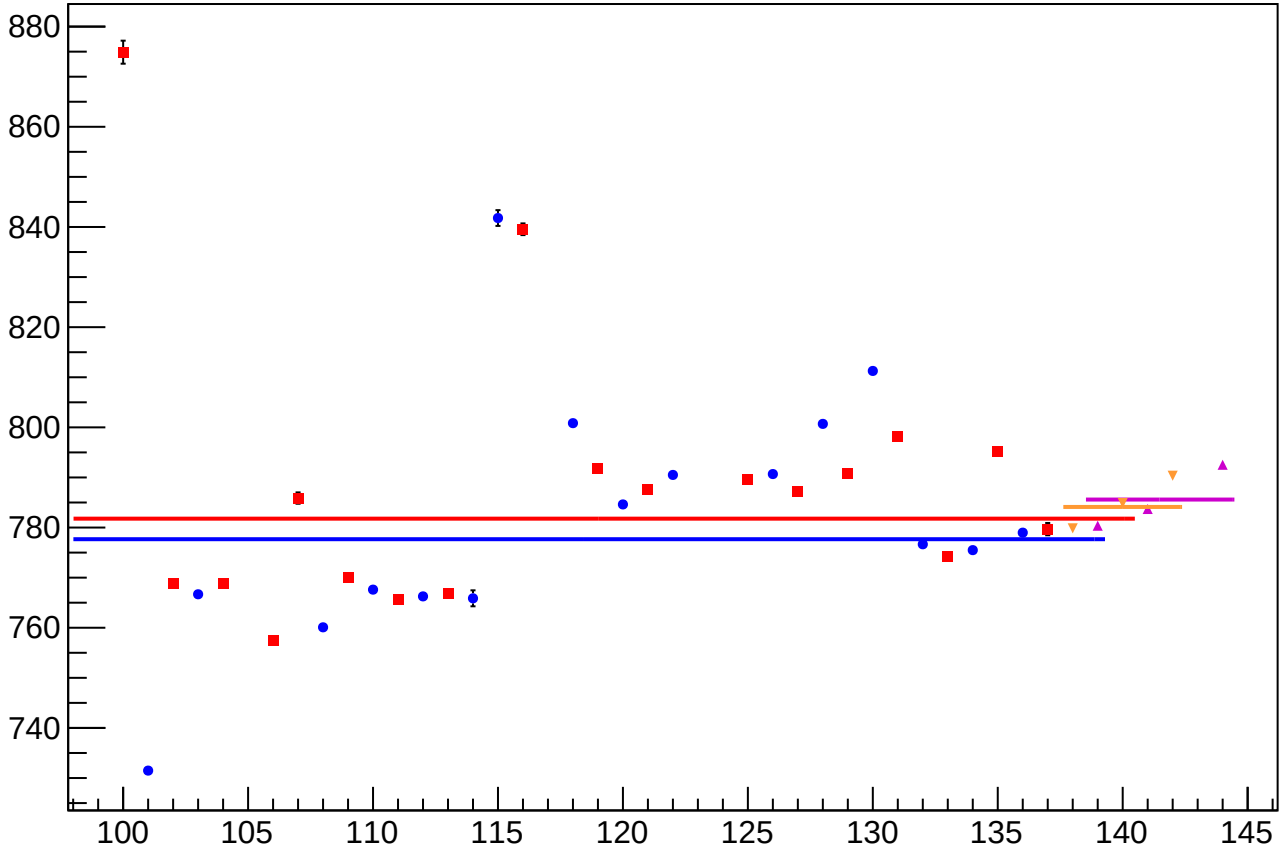
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -348.234+/-248.131 χ^2/NDF:12.7/18

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -129.754+/-177.751 χ^2/NDF: 27.1/39

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

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

Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

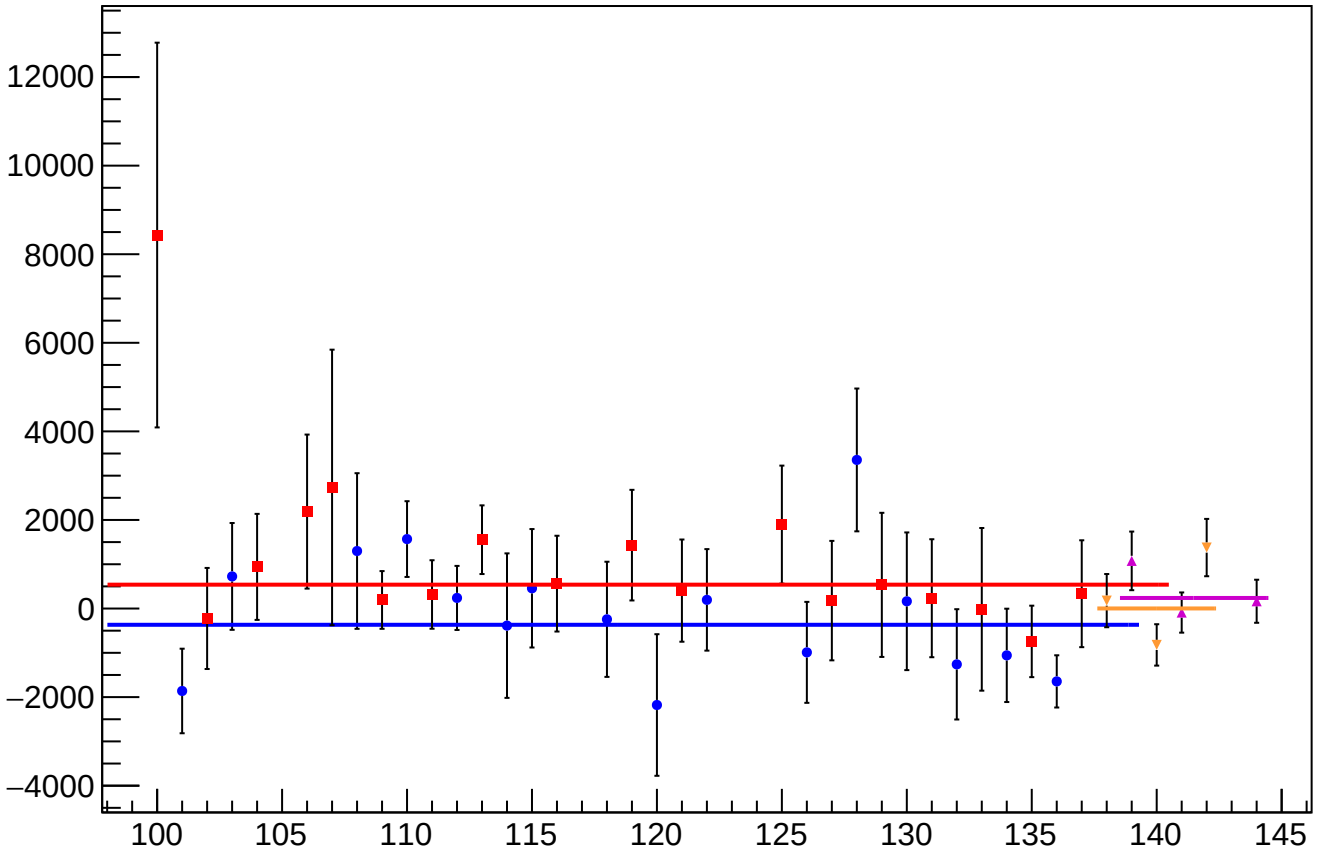
Left: 784.939+/-0.256 χ^2/NDF: 335.9/5

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

In: 779.753+/-0.175 χ^2/NDF:12673.8/18

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

All: 780.986+/-0.126 χ^2/NDF: 20533.6/39



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

Left In: 238.580+/-296.586 χ^2/NDF:2.2/2

Left: 129.335+/-217.669 χ^2/NDF: 10.1/5

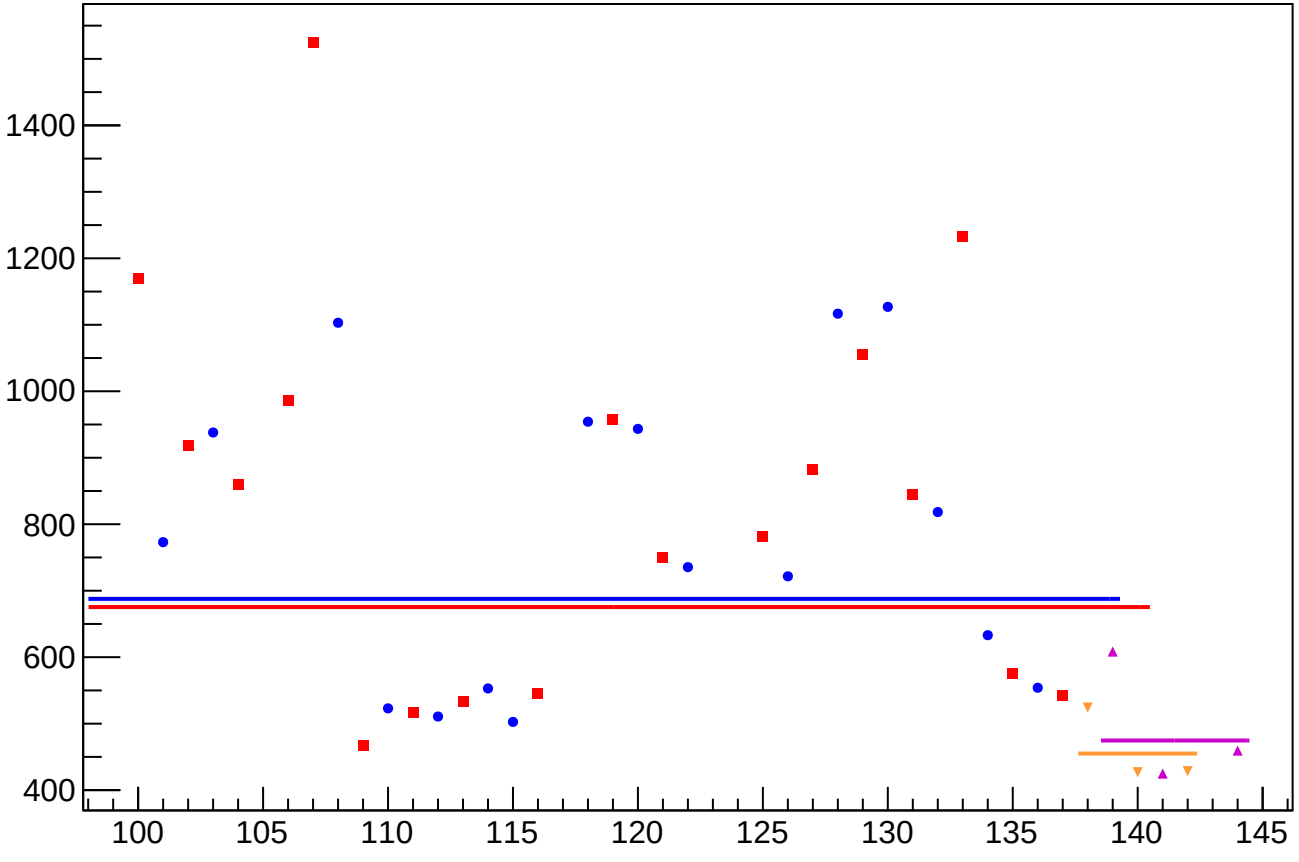
Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -96.256+/-198.311 χ^2/NDF:27.8/18

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 108.120+/-141.943 χ^2/NDF: 51.0/39

asym_us_dd_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

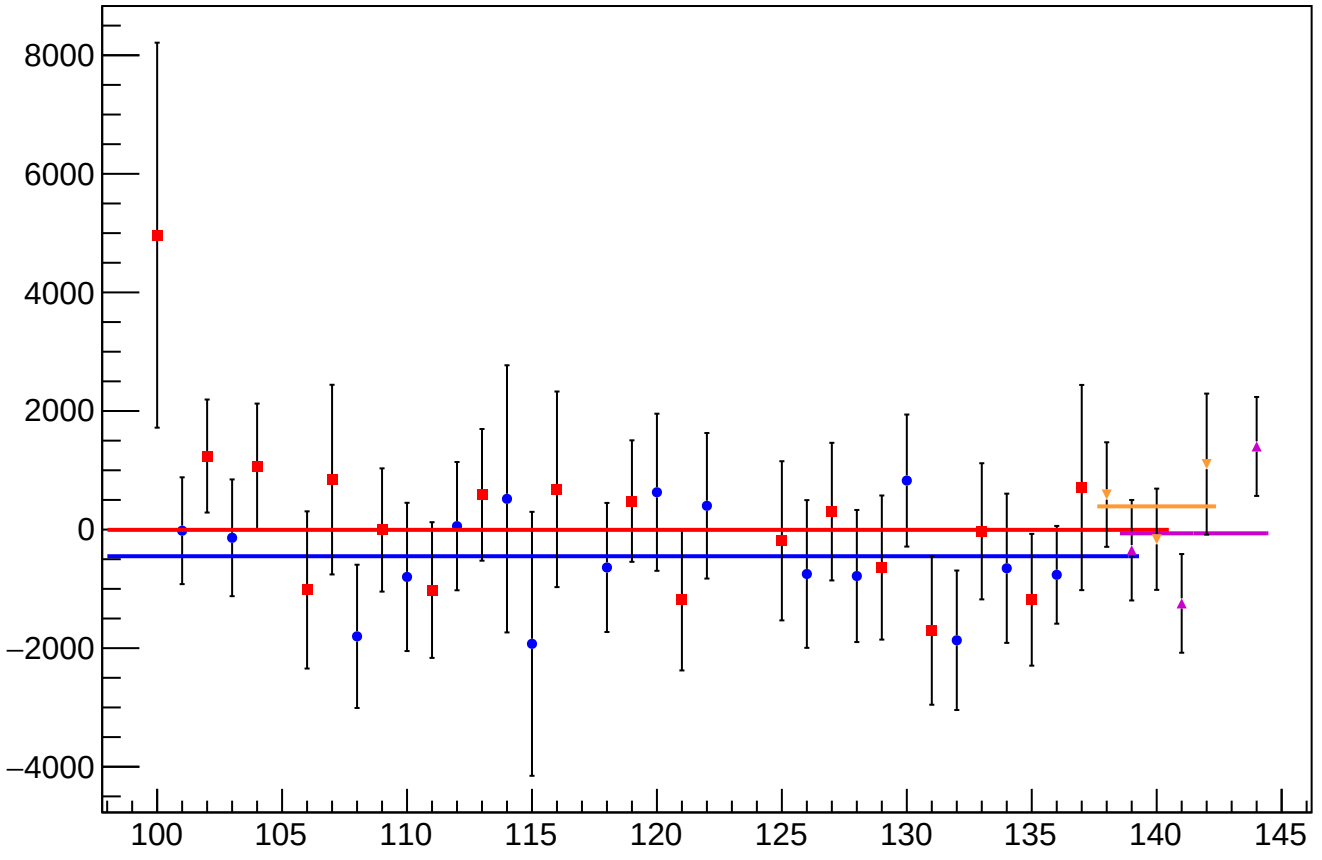
Left: 465.578+/-0.154 χ^2/NDF: 148898.9/5

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

In: 592.454+/-0.140 χ^2/NDF:1710417.3/18

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

All: 589.666+/-0.100 χ^2/NDF: 3626848.7/39



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

Left Out: 391.444+/-545.101 χ^2/NDF:0.8/2

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

Left In: -62.935+/-483.843 χ^2/NDF:5.2/2

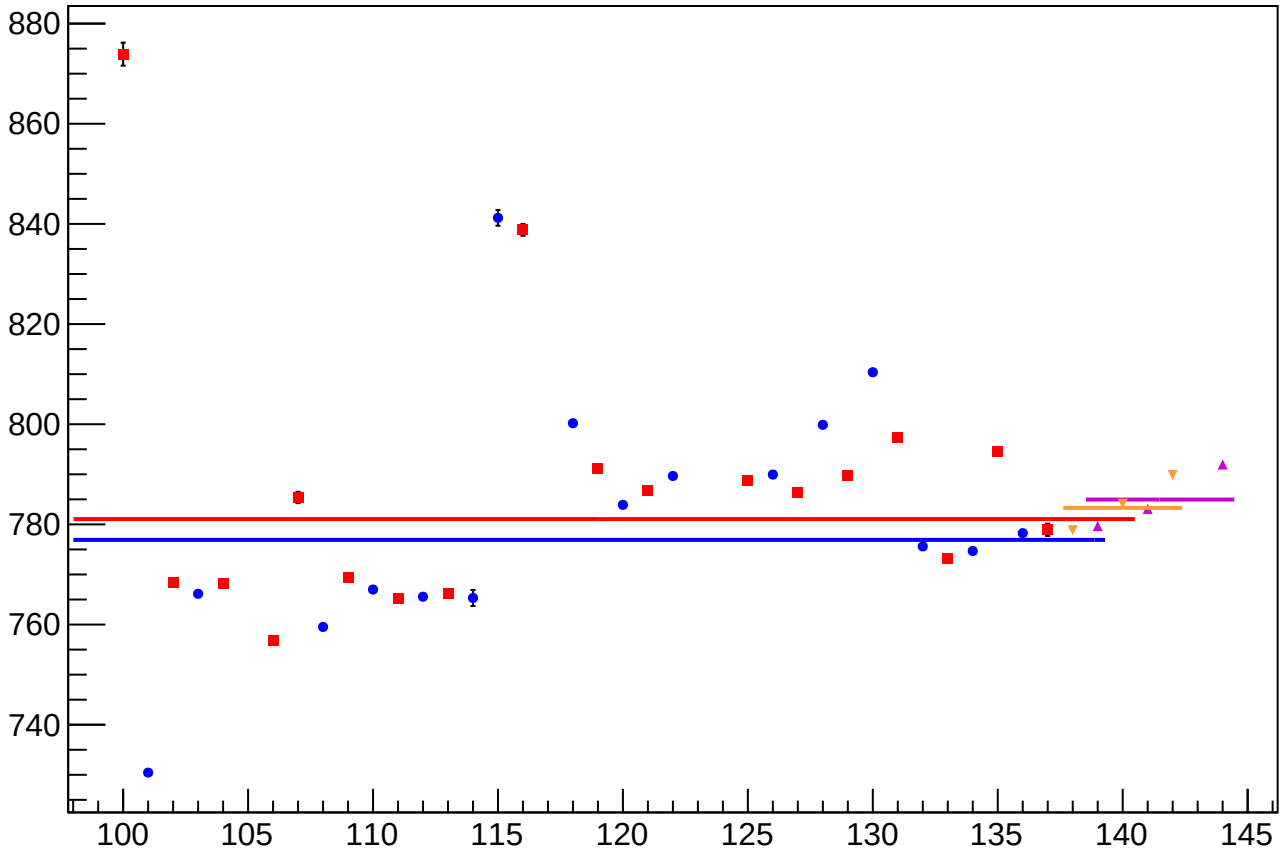
Left: 137.298+/-361.856 χ^2/NDF: 6.4/5

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

In: -347.971+/-247.900 χ^2/NDF:12.4/18

Out: 81.706+/-254.516 χ^2/NDF:13.1/20

All: -138.789+/-177.585 χ^2/NDF: 27.0/39



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

Left Out: 783.301+/-0.385 χ^2/NDF:114.3/2

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

Left In: 784.961+/-0.342 χ^2/NDF:228.8/2

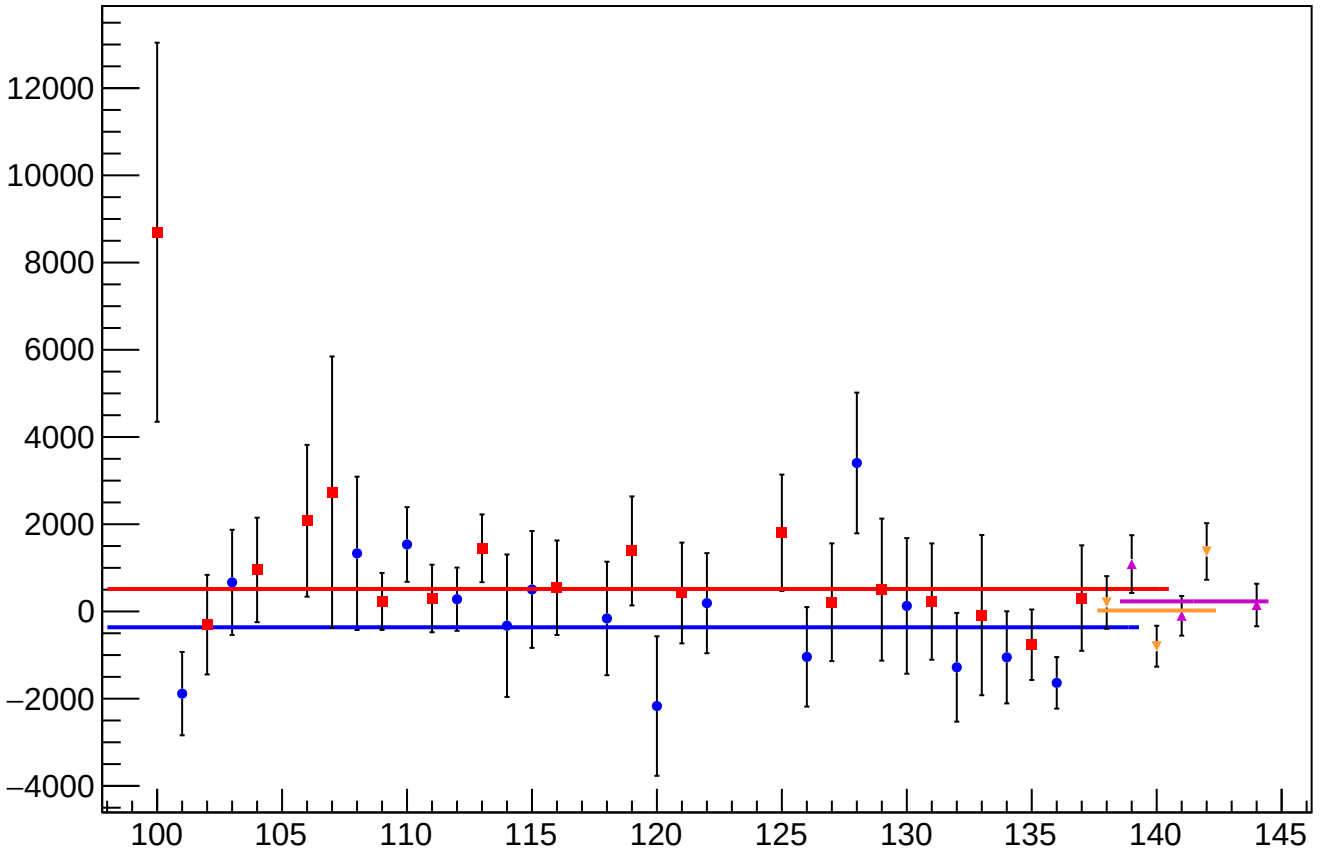
Left: 784.229+/-0.256 χ^2/NDF: 353.5/5

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

In: 779.026+/-0.175 χ^2/NDF:12760.4/18

Out: 781.549+/-0.180 χ^2/NDF:7726.5/20

All: 780.254+/-0.126 χ^2/NDF: 20587.8/39



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

Left Out: 22.132+/-321.416 χ^2/NDF:7.5/2

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

Left In: 231.170+/-297.244 χ^2/NDF:2.2/2

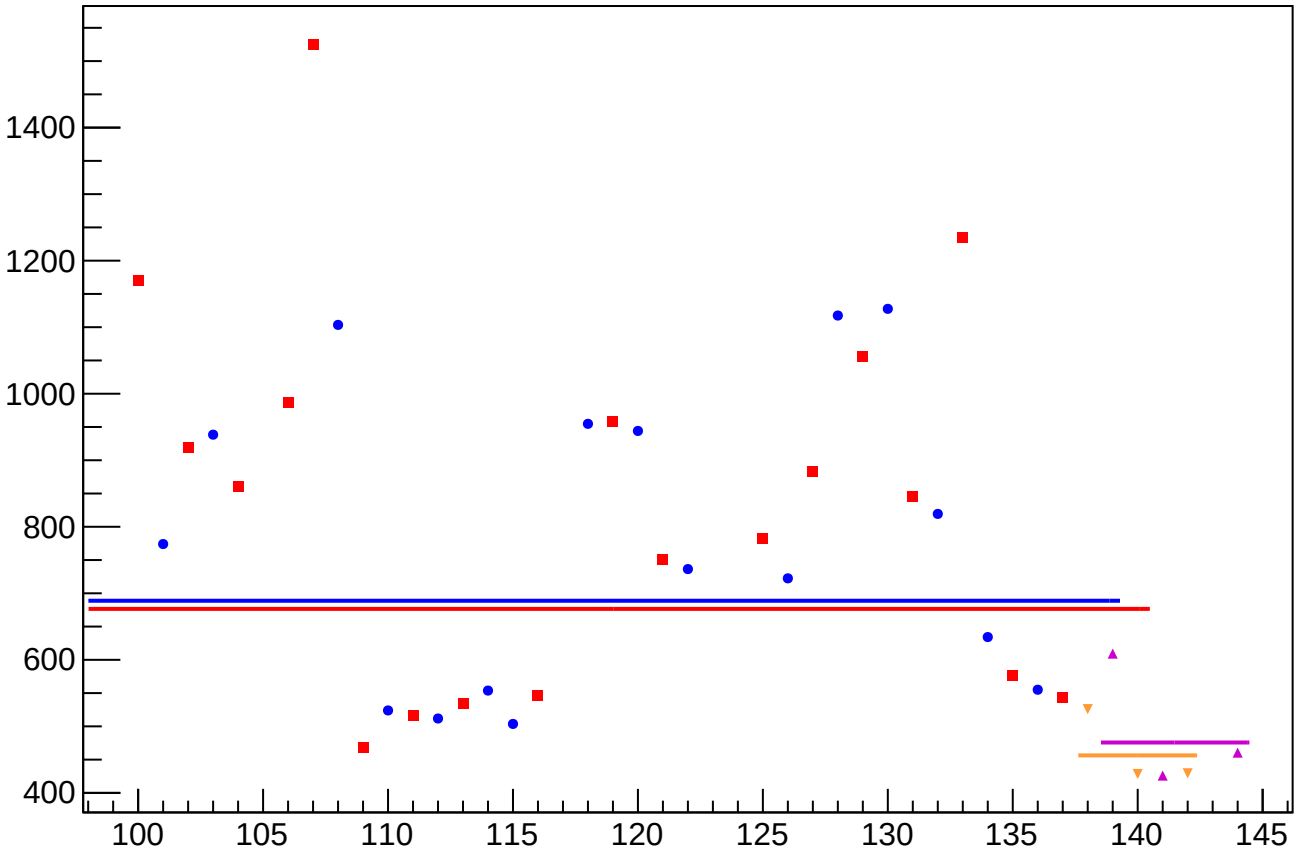
Left: 134.806+/-218.229 χ^2/NDF: 9.9/5

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

In: -97.473+/-198.667 χ^2/NDF:27.8/18

Out: 317.249+/-203.684 χ^2/NDF:20.3/20

All: 104.718+/-142.219 χ^2/NDF: 50.2/39



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

Left Out: 456.388+/-0.227 χ^2/NDF:37173.6/2

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

Left In: 475.736+/-0.210 χ^2/NDF:107155.8/2

Left: 466.817+/-0.154 χ^2/NDF: 148235.7/5

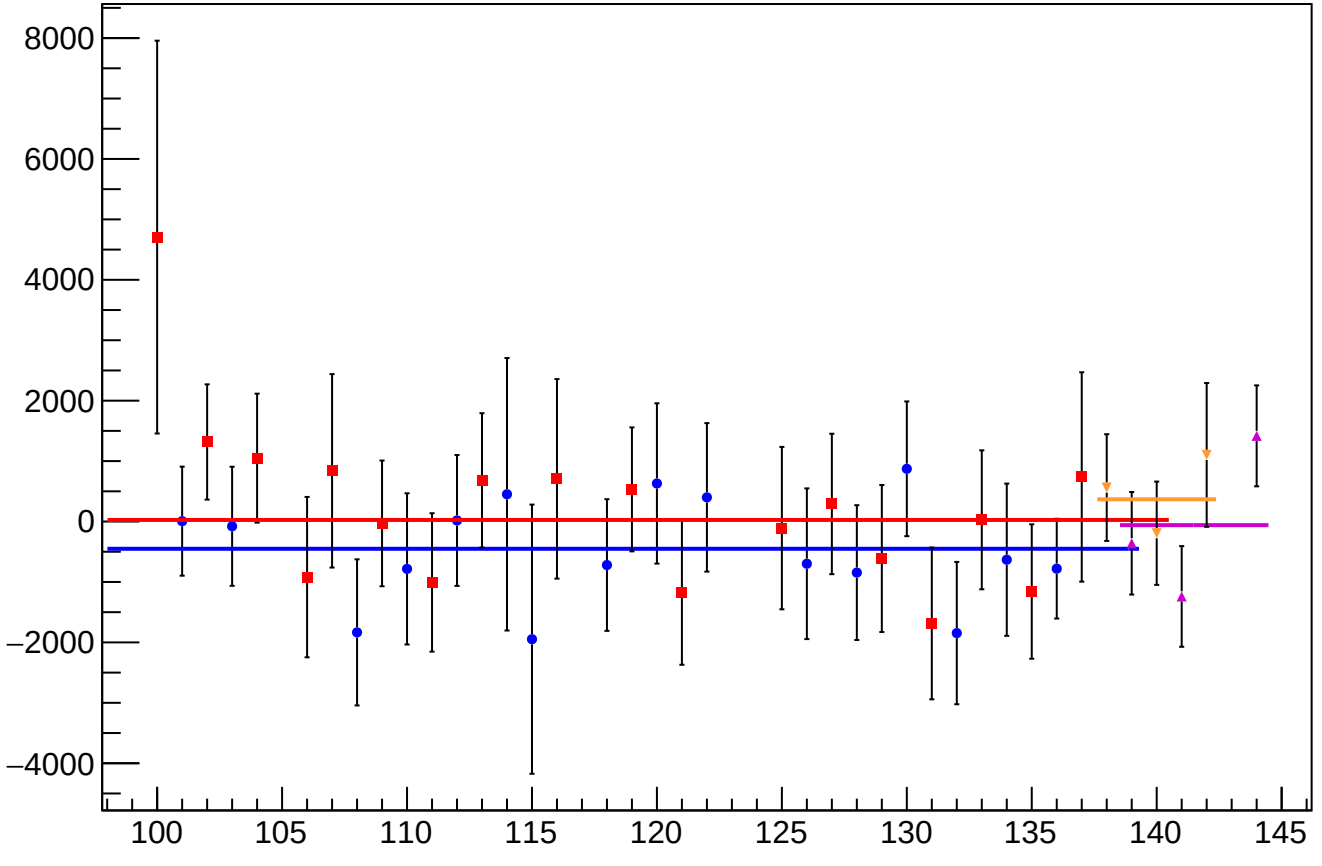
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 593.638+/-0.140 χ^2/NDF:1703985.7/18

Out: 588.150+/-0.144 χ^2/NDF:1906863.4/20

All: 590.962+/-0.101 χ^2/NDF: 3611593.2/39

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 367.653+/-545.666 χ^2/NDF:0.9/2

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

Left In: -59.758+/-484.229 χ^2/NDF:5.3/2

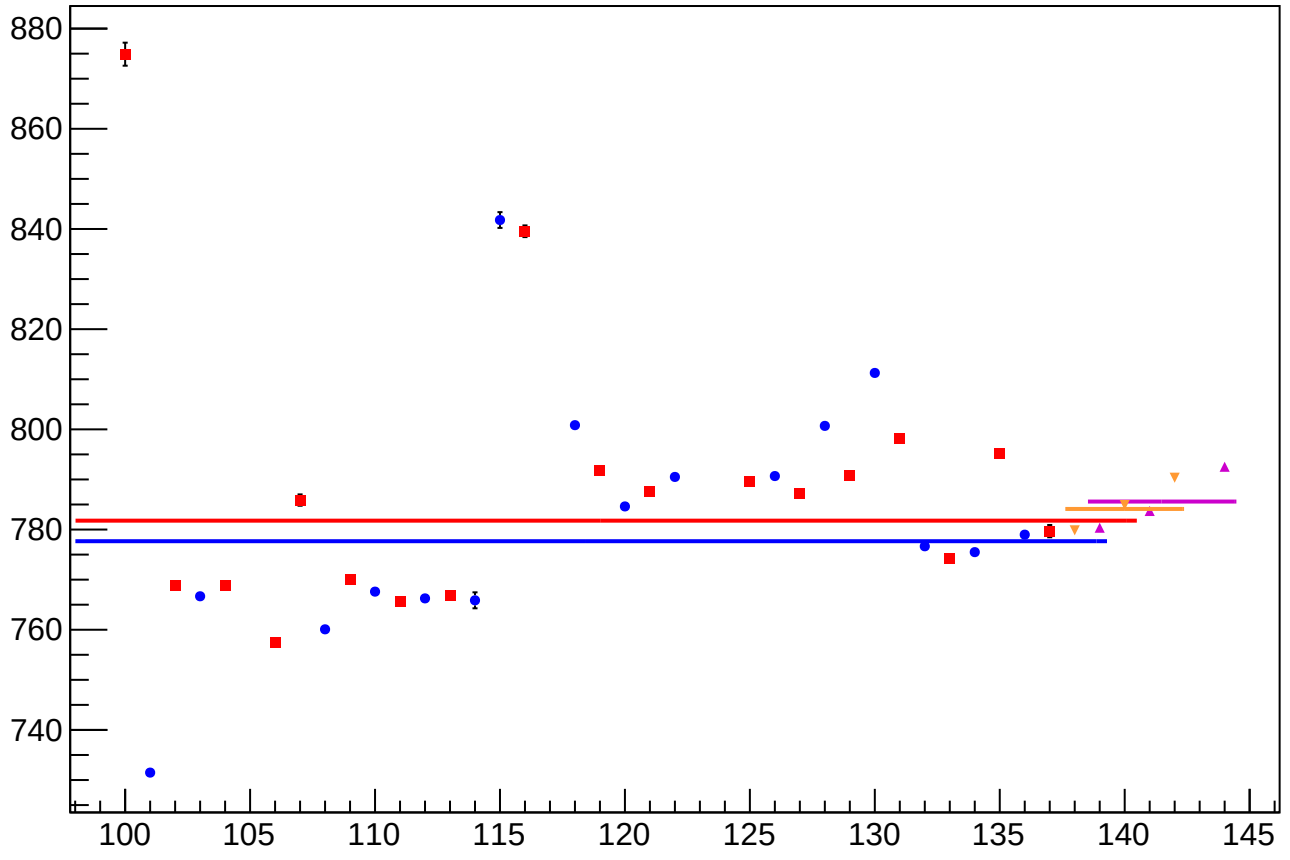
Left: 128.541+/-362.183 χ^2/NDF: 6.5/5

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

In: -348.234+/-248.131 χ^2/NDF:12.7/18

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -129.754+/-177.751 χ^2/NDF: 27.1/39



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

Left Out: 784.113+/-0.386 χ^2/NDF:103.4/2

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

Left In: 785.589+/-0.342 χ^2/NDF:224.4/2

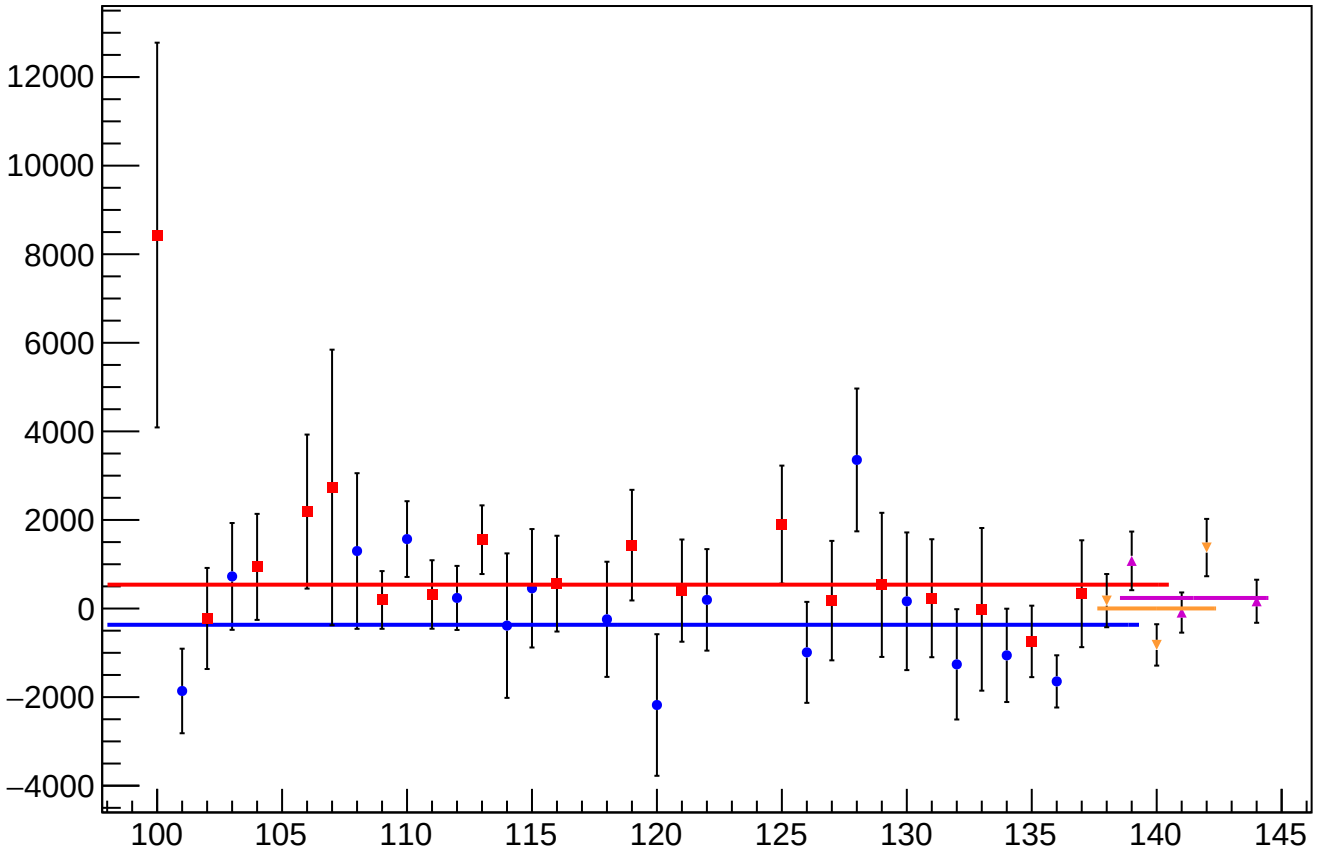
Left: 784.939+/-0.256 χ^2/NDF: 335.9/5

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

In: 779.753+/-0.175 χ^2/NDF:12673.8/18

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

All: 780.986+/-0.126 χ^2/NDF: 20533.6/39



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

Left In: 238.580+/-296.586 χ^2/NDF:2.2/2

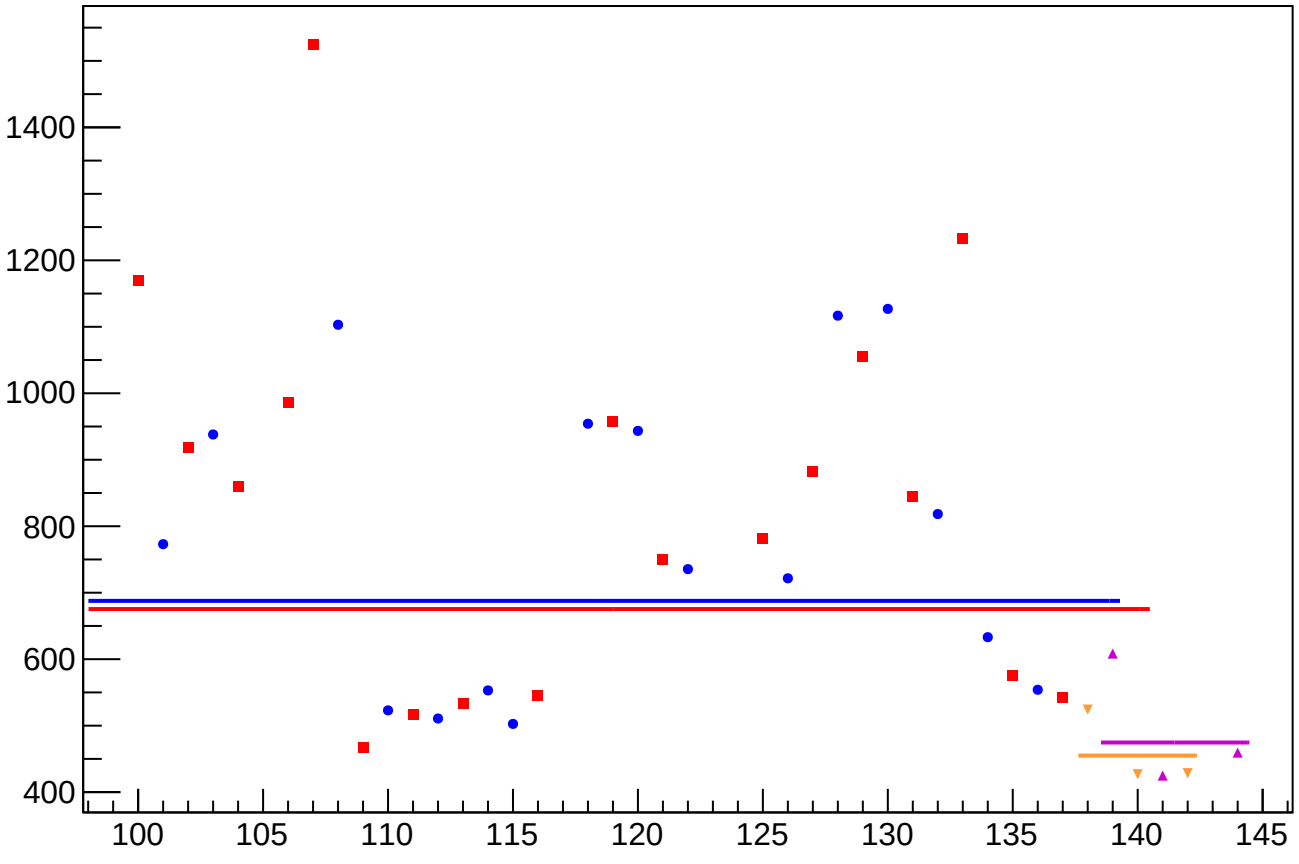
Left: 129.335+/-217.669 χ^2/NDF: 10.1/5

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

In: -96.256+/-198.311 χ^2/NDF:27.8/18

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 108.120+/-141.943 χ^2/NDF: 51.0/39



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

Left Out: 454.993+/-0.227 χ^2/NDF:37078.0/2

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

Left In: 474.644+/-0.210 χ^2/NDF:107769.9/2

Left: 465.578+/-0.154 χ^2/NDF: 148898.9/5

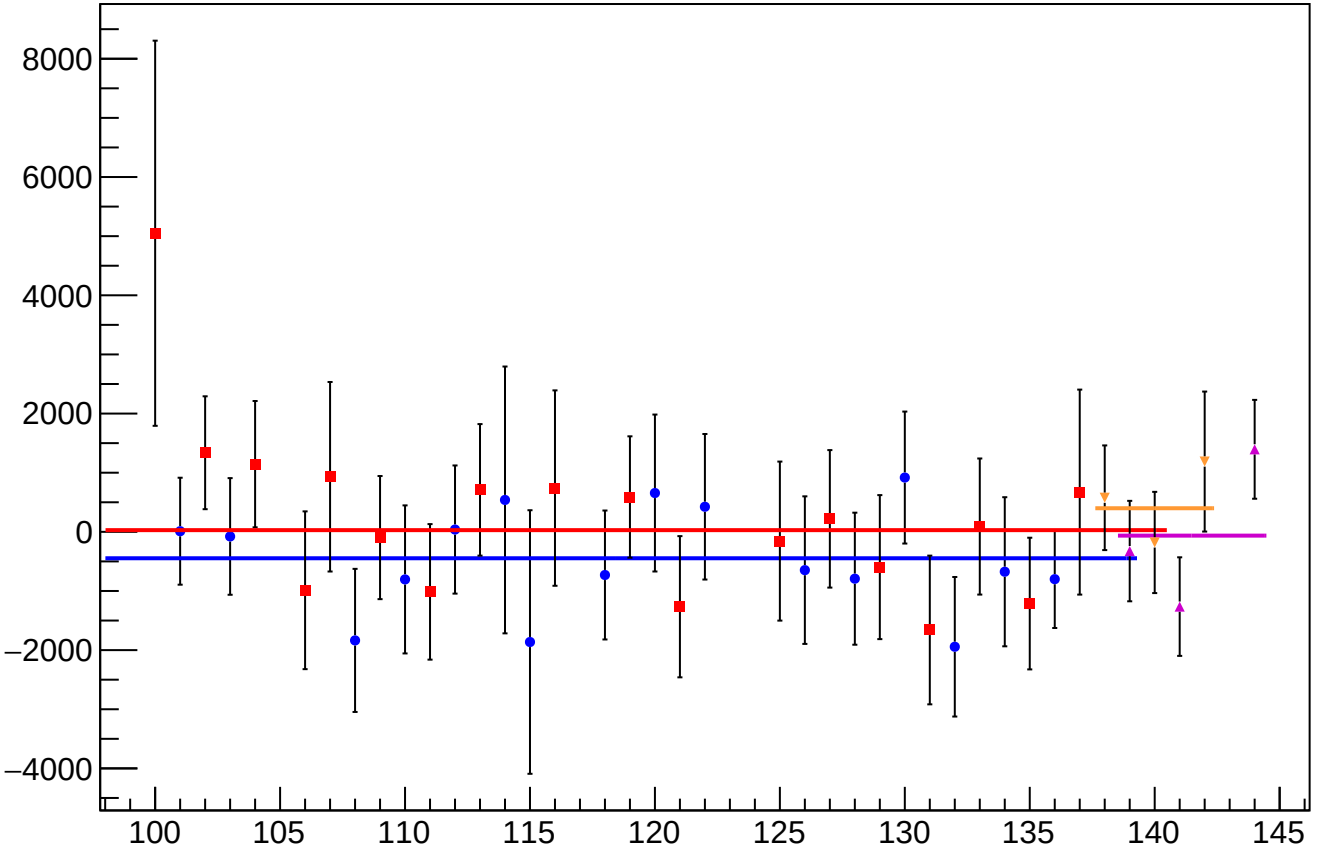
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 592.454+/-0.140 χ^2/NDF:1710417.3/18

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

All: 589.666+/-0.100 χ^2/NDF: 3626848.7/39

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

Left In: -63.914+/-484.646 χ^2/NDF:5.2/2

Left: 140.165+/-362.424 χ^2/NDF: 6.6/5

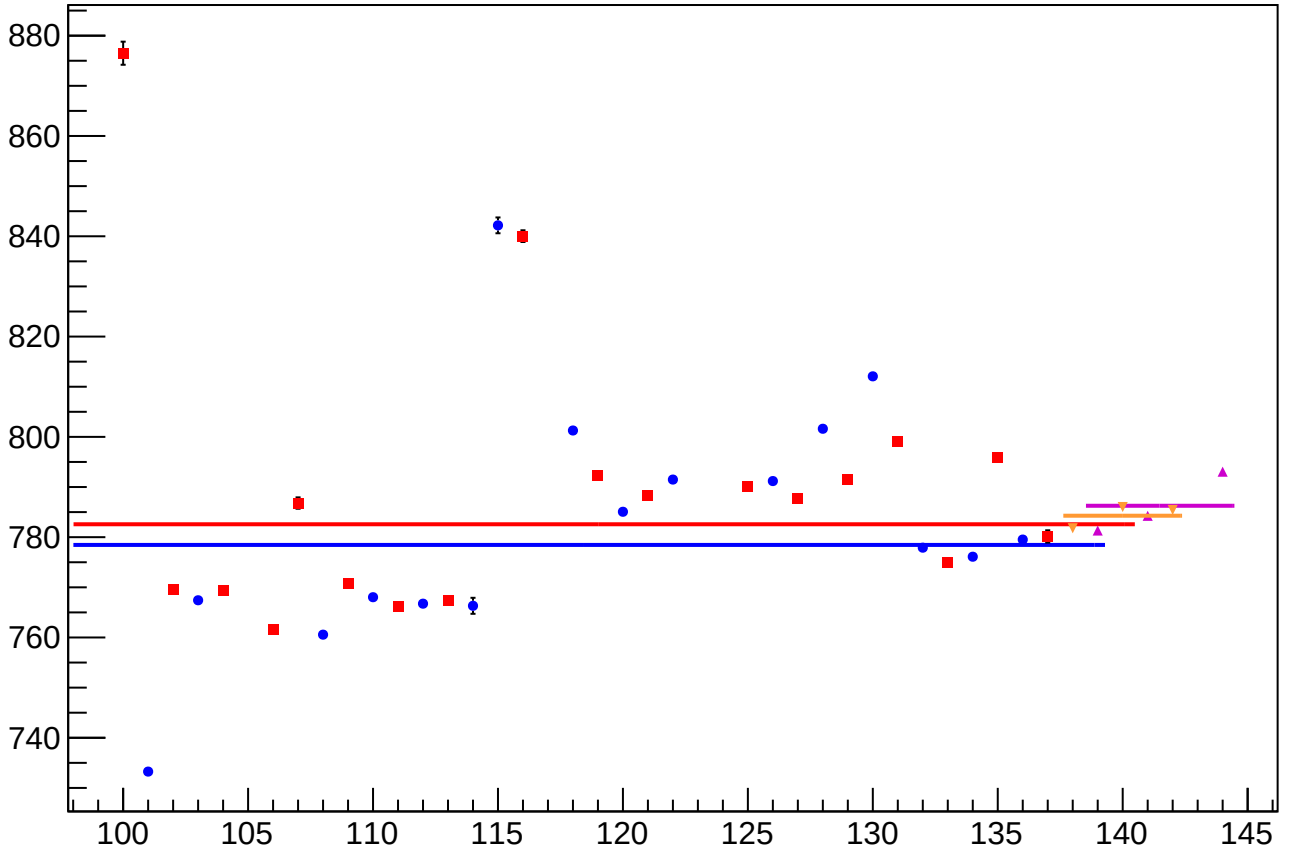
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -346.137+/-248.369 χ^2/NDF:13.0/18

Out: 109.576+/-254.982 χ^2/NDF:13.9/20

All: -124.266+/-177.915 χ^2/NDF: 28.5/39

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

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

Left In: 786.264+/-0.343 χ^2/NDF:211.4/2

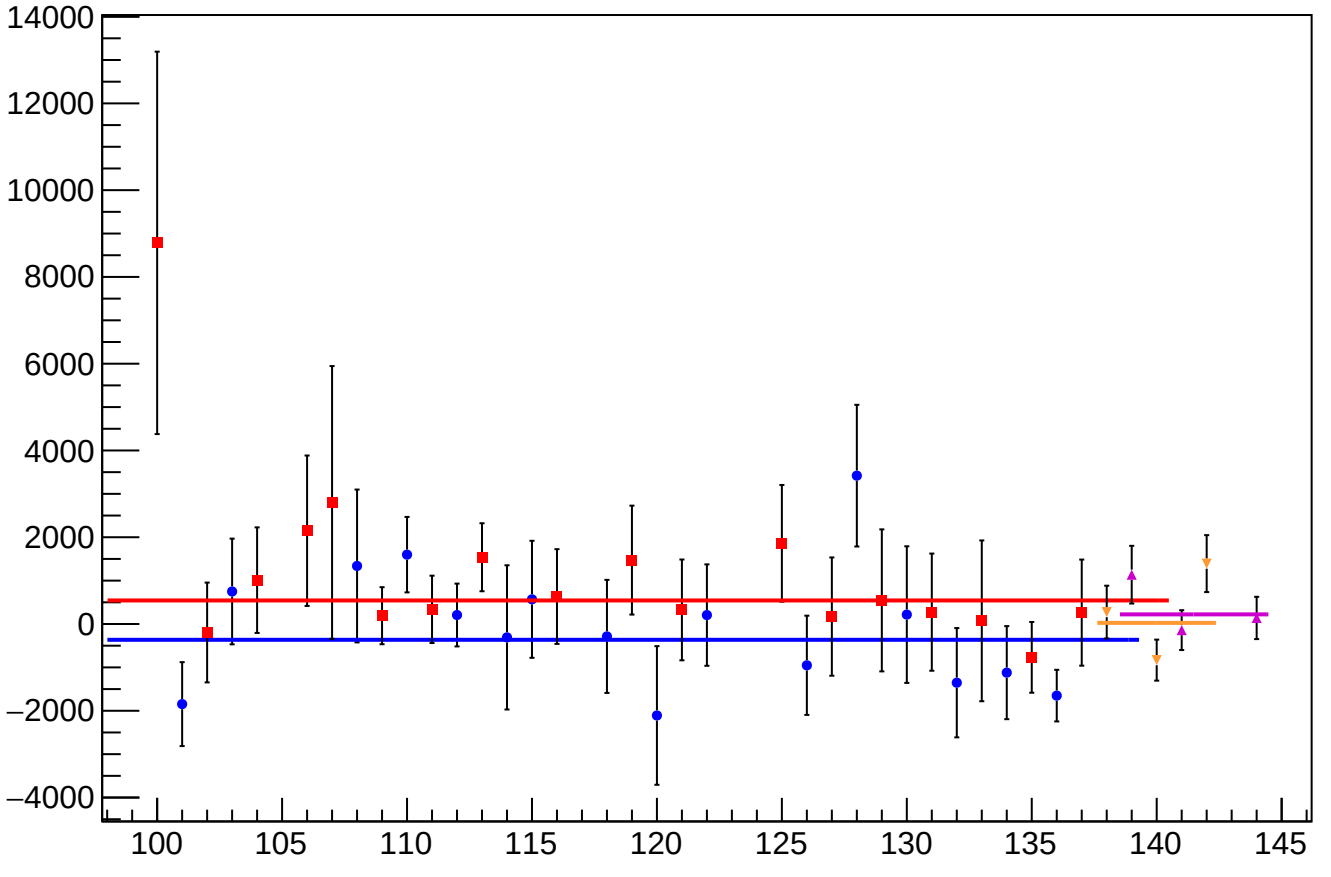
Left: 785.390+/-0.256 χ^2/NDF: 252.2/5

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

In: 780.507+/-0.176 χ^2/NDF:12389.4/18

Out: 782.947+/-0.180 χ^2/NDF:7522.7/20

All: 781.695+/-0.126 χ^2/NDF: 20006.2/39



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

Left Out: 26.152+/-324.489 χ^2/NDF:7.8/2

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

Left In: 221.927+/-298.609 χ^2/NDF:2.5/2

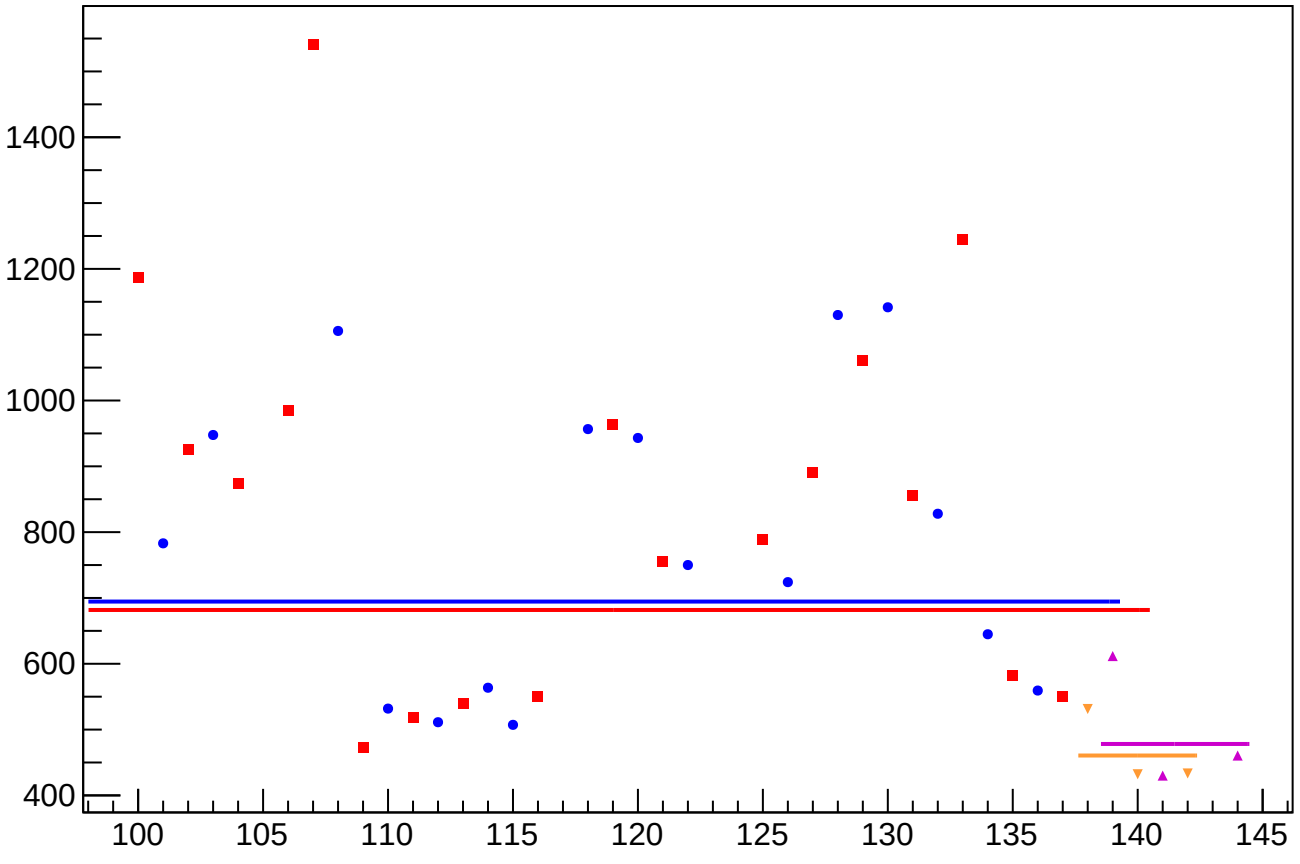
Left: 132.157+/-219.729 χ^2/NDF: 10.5/5

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

In: -101.165+/-199.992 χ^2/NDF:28.0/18

Out: 335.880+/-205.378 χ^2/NDF:21.1/20

All: 111.551+/-143.282 χ^2/NDF: 51.4/39



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

Left Out: 460.605+/-0.229 χ^2/NDF:37704.6/2

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

Left In: 478.151+/-0.211 χ^2/NDF:105155.2/2

Left: 470.105+/-0.155 χ^2/NDF: 146026.4/5

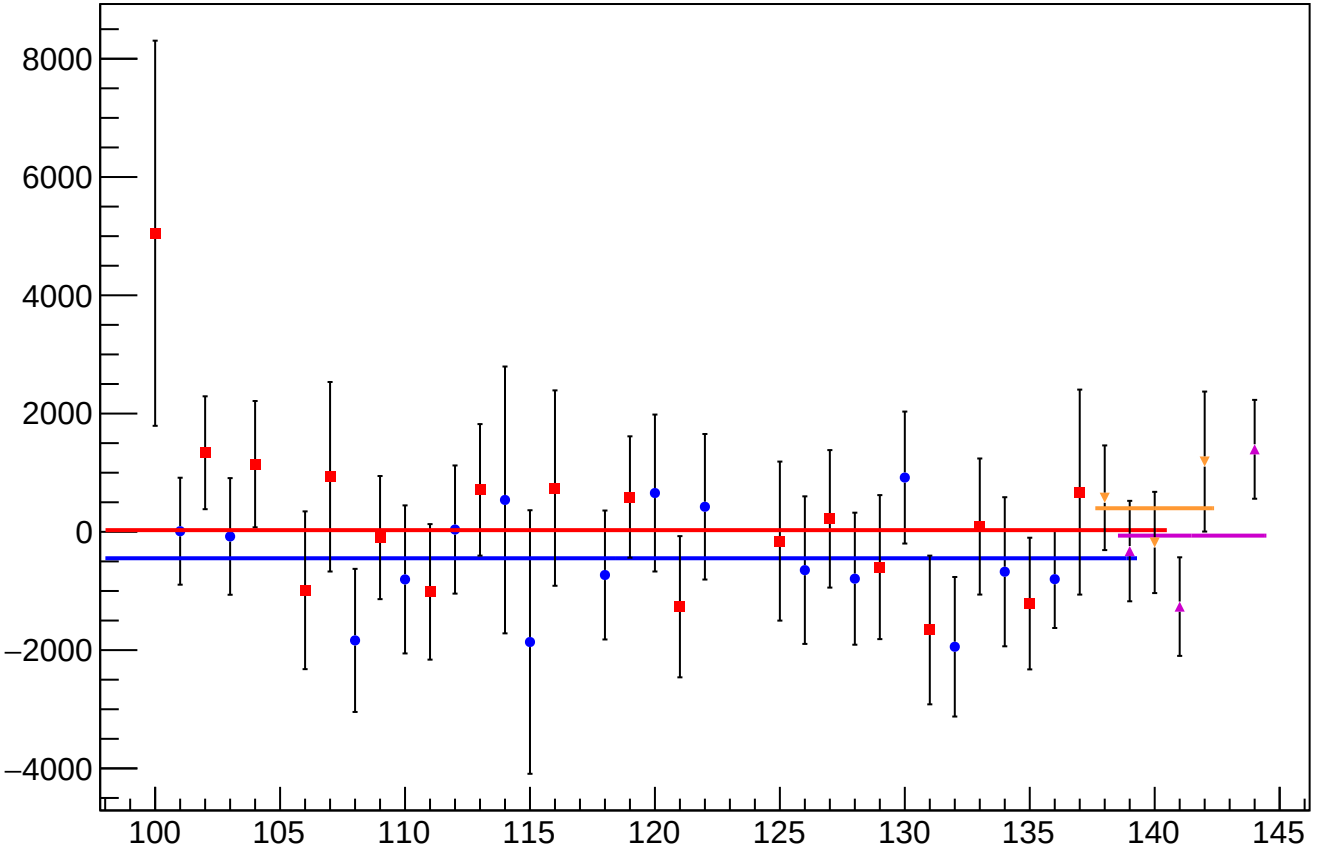
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 597.468+/-0.141 χ^2/NDF:1714099.7/18

Out: 593.156+/-0.145 χ^2/NDF:1905803.7/20

All: 595.369+/-0.101 χ^2/NDF: 3620355.8/39

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

Left In: -63.911+/-484.646 χ^2/NDF:5.2/2

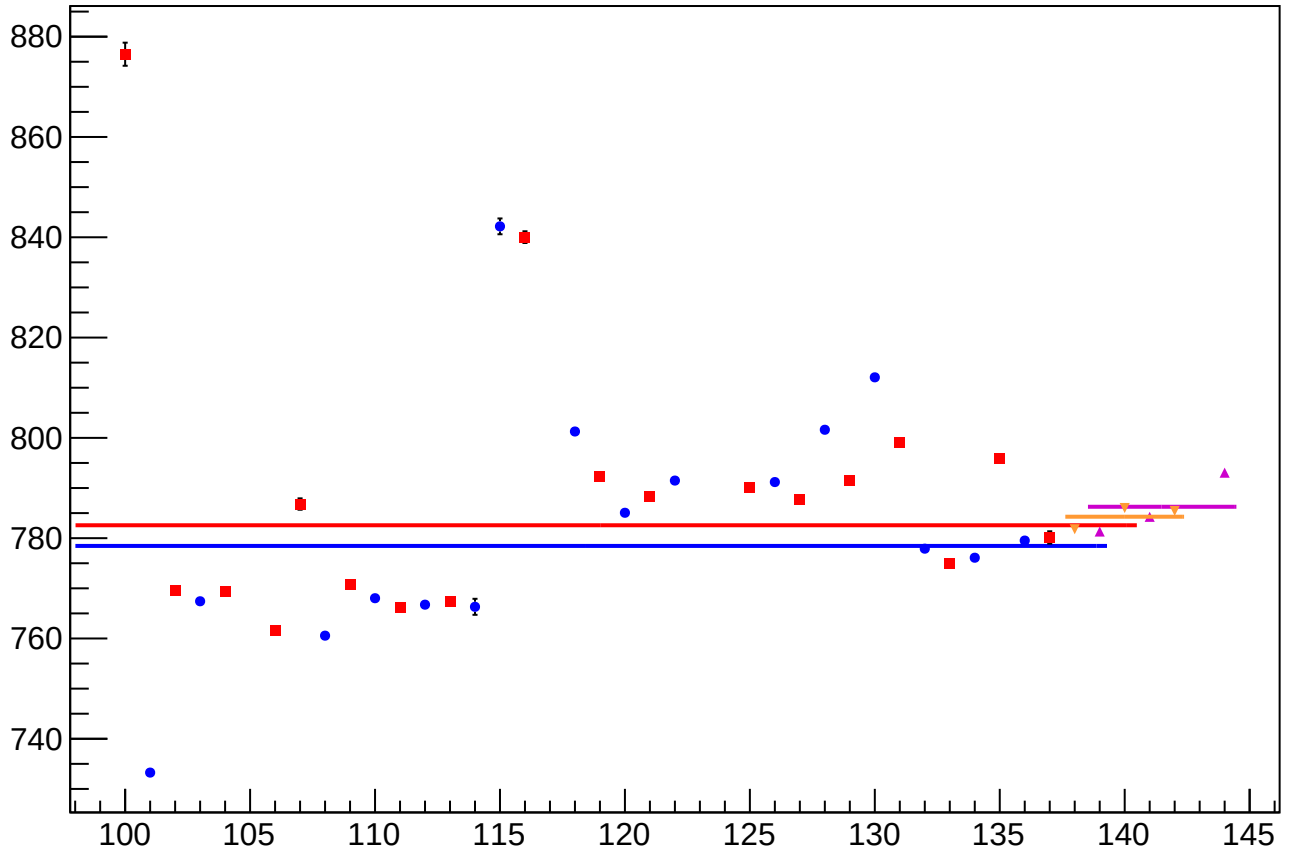
Left: 140.166+/-362.424 χ^2/NDF: 6.6/5

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

In: -346.137+/-248.369 χ^2/NDF:13.0/18

Out: 109.575+/-254.982 χ^2/NDF:13.9/20

All: -124.266+/-177.915 χ^2/NDF: 28.5/39



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

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

Left In: 786.264+/-0.343 χ^2/NDF:211.4/2

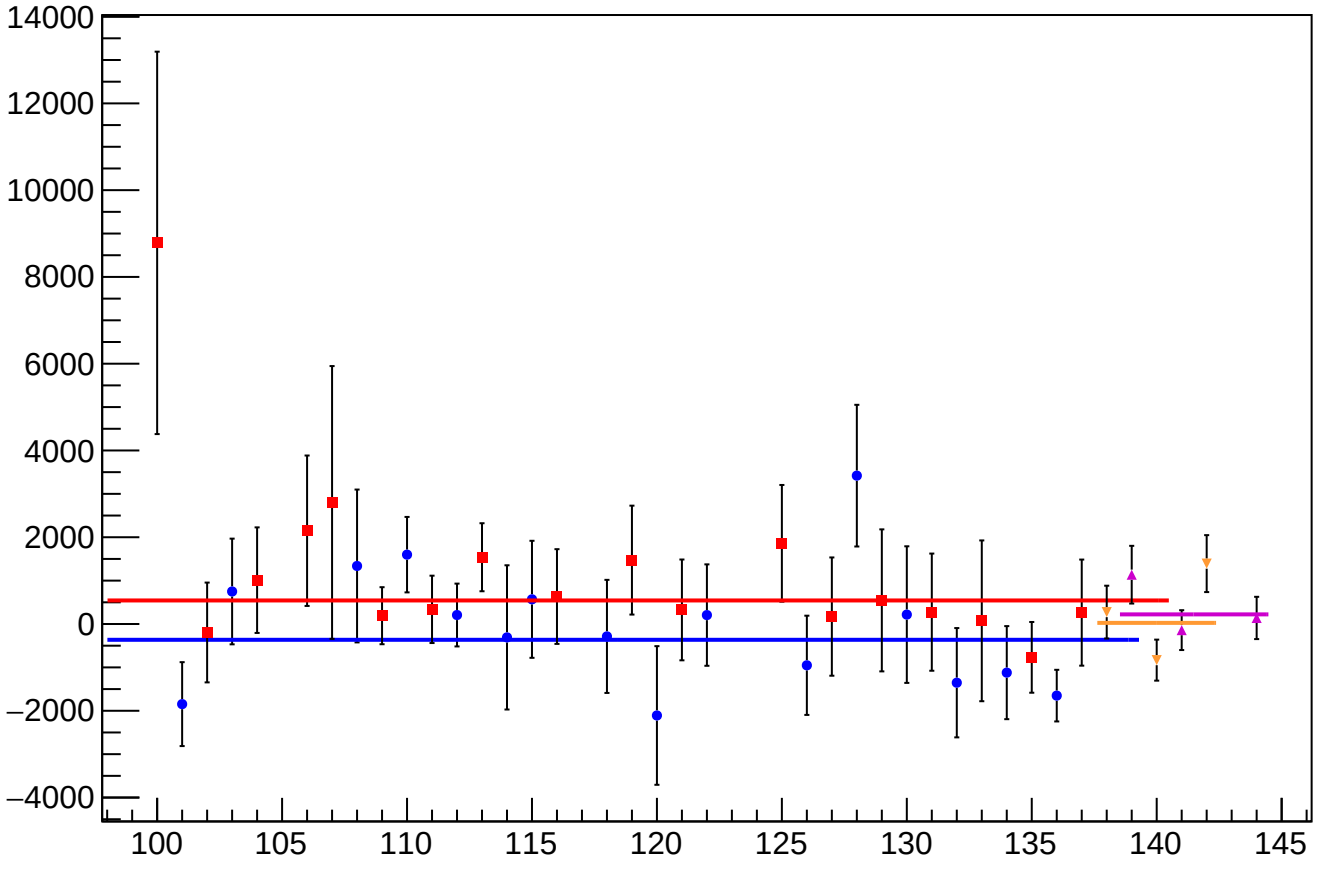
Left: 785.390+/-0.256 χ^2/NDF: 252.2/5

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

In: 780.507+/-0.176 χ^2/NDF:12389.4/18

Out: 782.947+/-0.180 χ^2/NDF:7522.7/20

All: 781.695+/-0.126 χ^2/NDF: 20006.2/39



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

Left Out: 26.150+/-324.489 χ^2/NDF:7.8/2

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

Left In: 221.924+/-298.609 χ^2/NDF:2.5/2

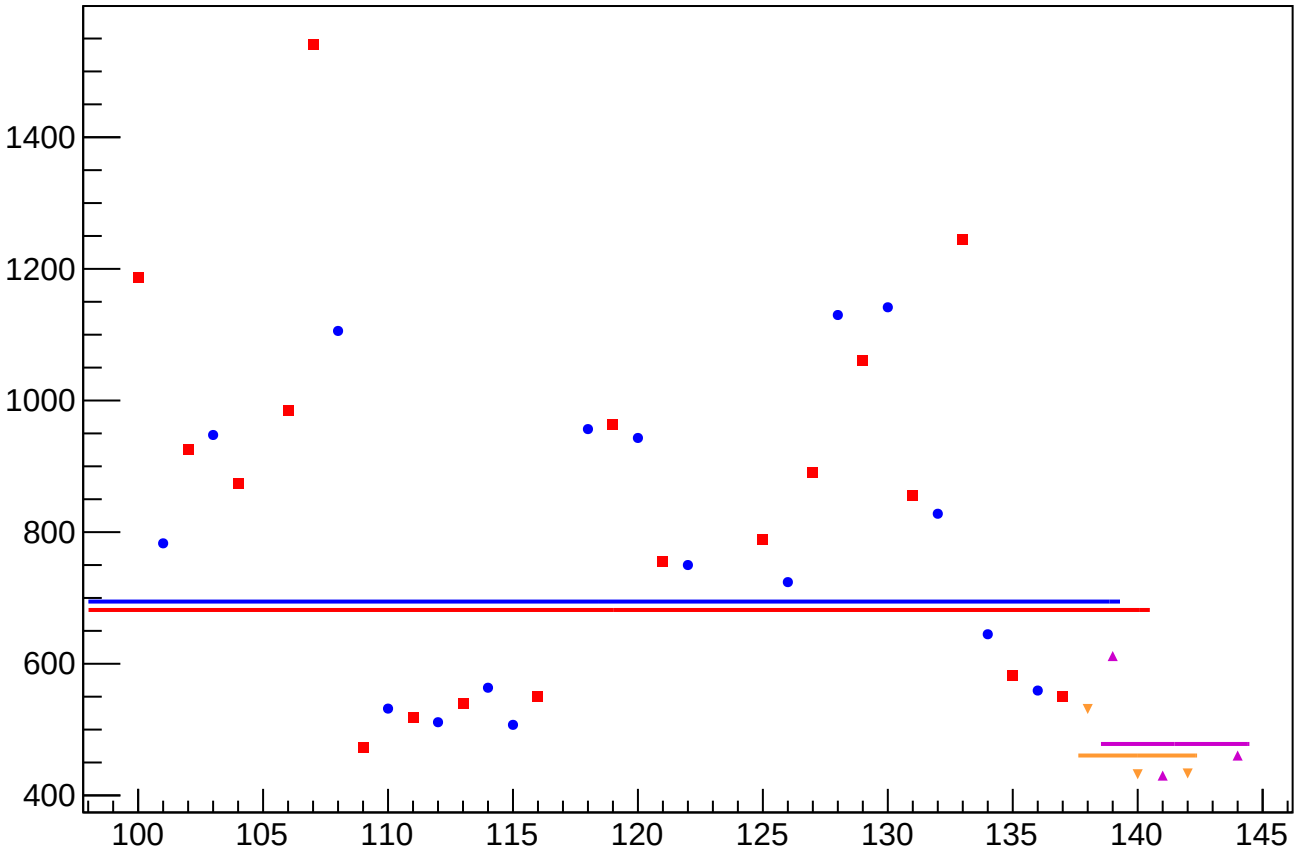
Left: 132.155+/-219.729 χ^2/NDF: 10.5/5

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

In: -101.166+/-199.991 χ^2/NDF:28.0/18

Out: 335.879+/-205.377 χ^2/NDF:21.1/20

All: 111.551+/-143.281 χ^2/NDF: 51.4/39



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

Left Out: 460.604+/-0.229 χ^2/NDF:37709.1/2

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

Left In: 478.151+/-0.211 χ^2/NDF:105162.0/2

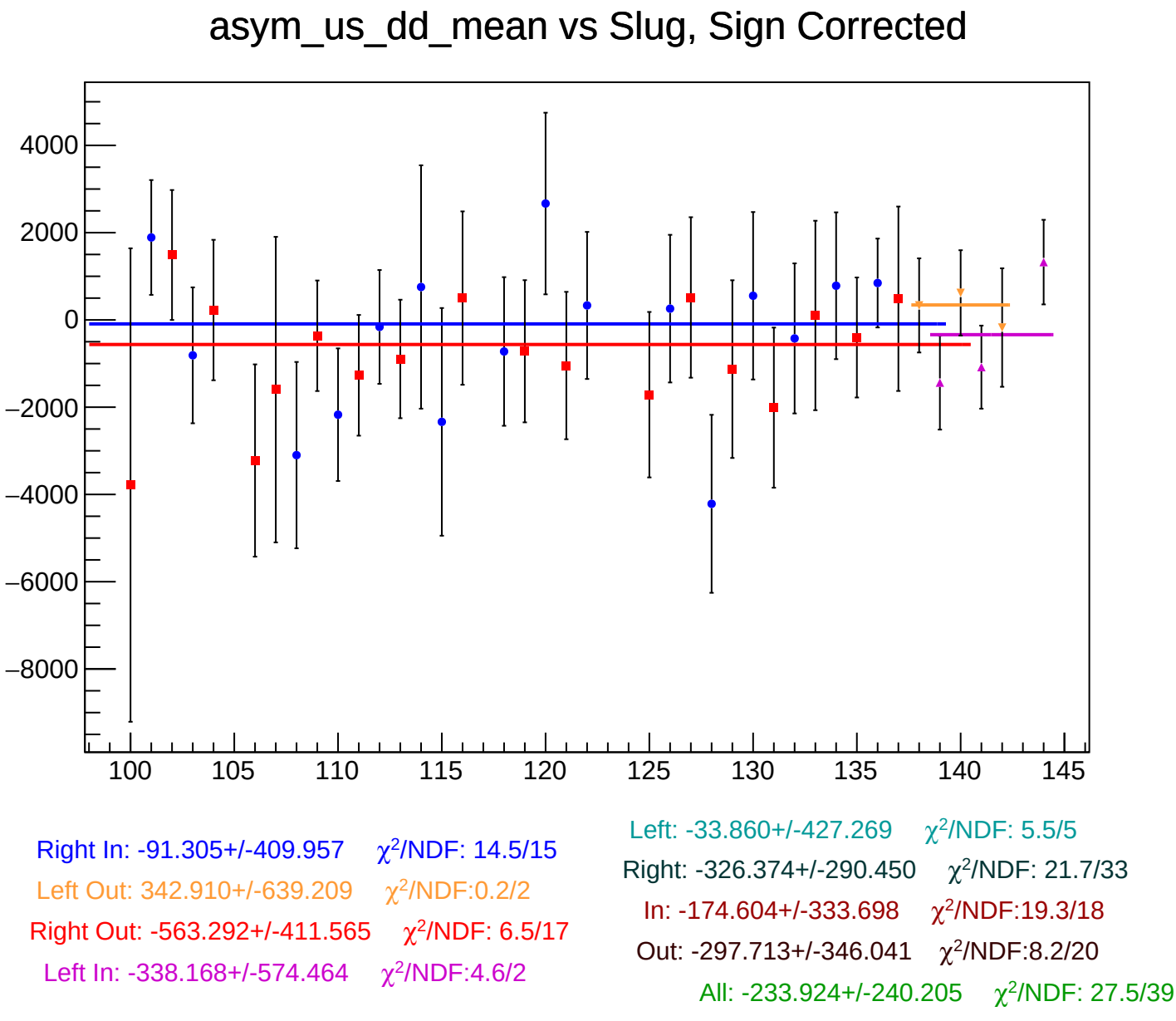
Left: 470.105+/-0.155 χ^2/NDF: 146037.7/5

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

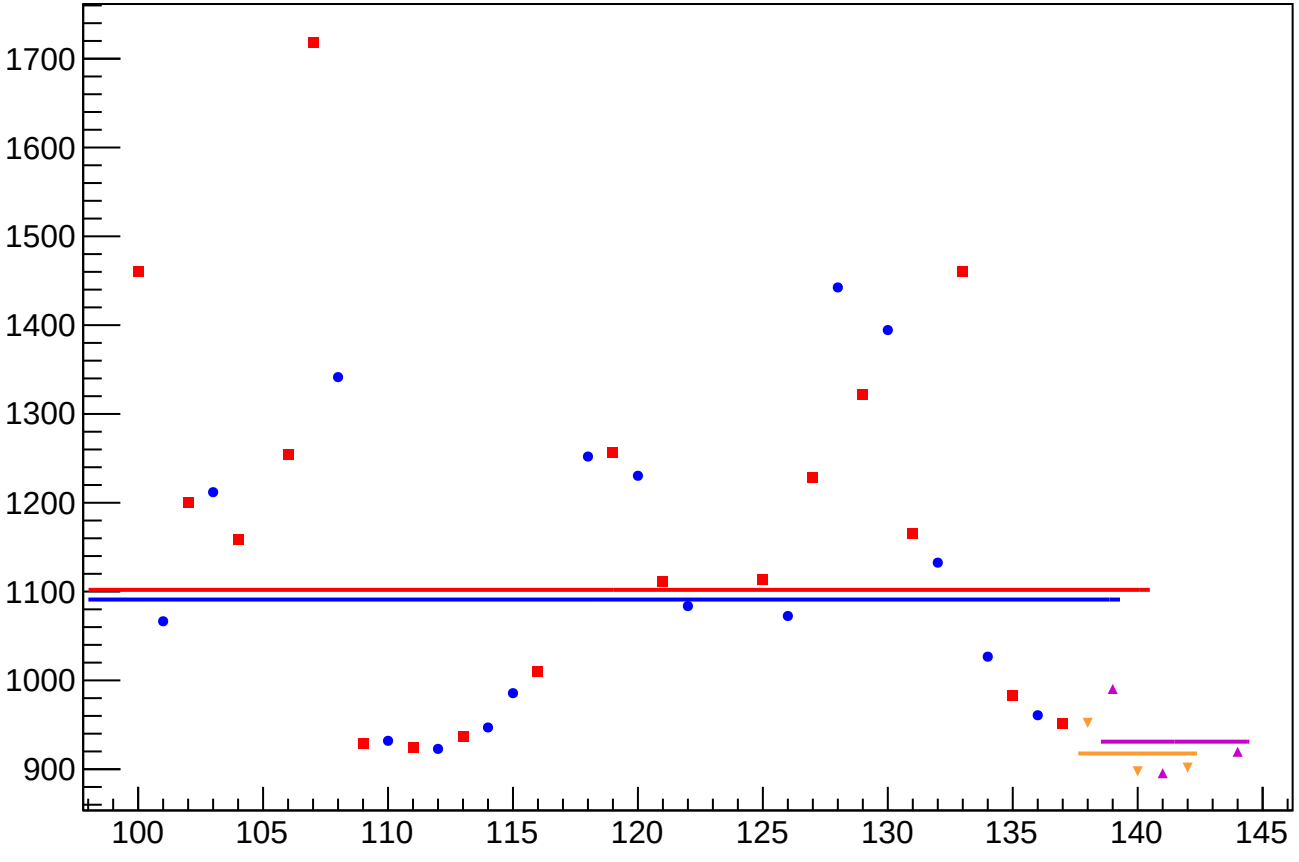
In: 597.466+/-0.141 χ^2/NDF:1714105.7/18

Out: 593.154+/-0.145 χ^2/NDF:1905817.3/20

All: 595.367+/-0.101 χ^2/NDF: 3620375.4/39


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 342.910+/-639.209 χ²/NDF:0.2/2
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -338.168+/-574.464 χ²/NDF:4.6/2
Left: -33.860+/-427.269 χ²/NDF: 5.5/5
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -174.604+/-333.698 χ²/NDF:19.3/18
Out: -297.713+/-346.041 χ²/NDF:8.2/20
All: -233.924+/-240.205 χ²/NDF: 27.5/39

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 917.692+/-0.452 χ^2/NDF:3160.2/2

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

Left In: 931.003+/-0.406 χ^2/NDF:9138.7/2

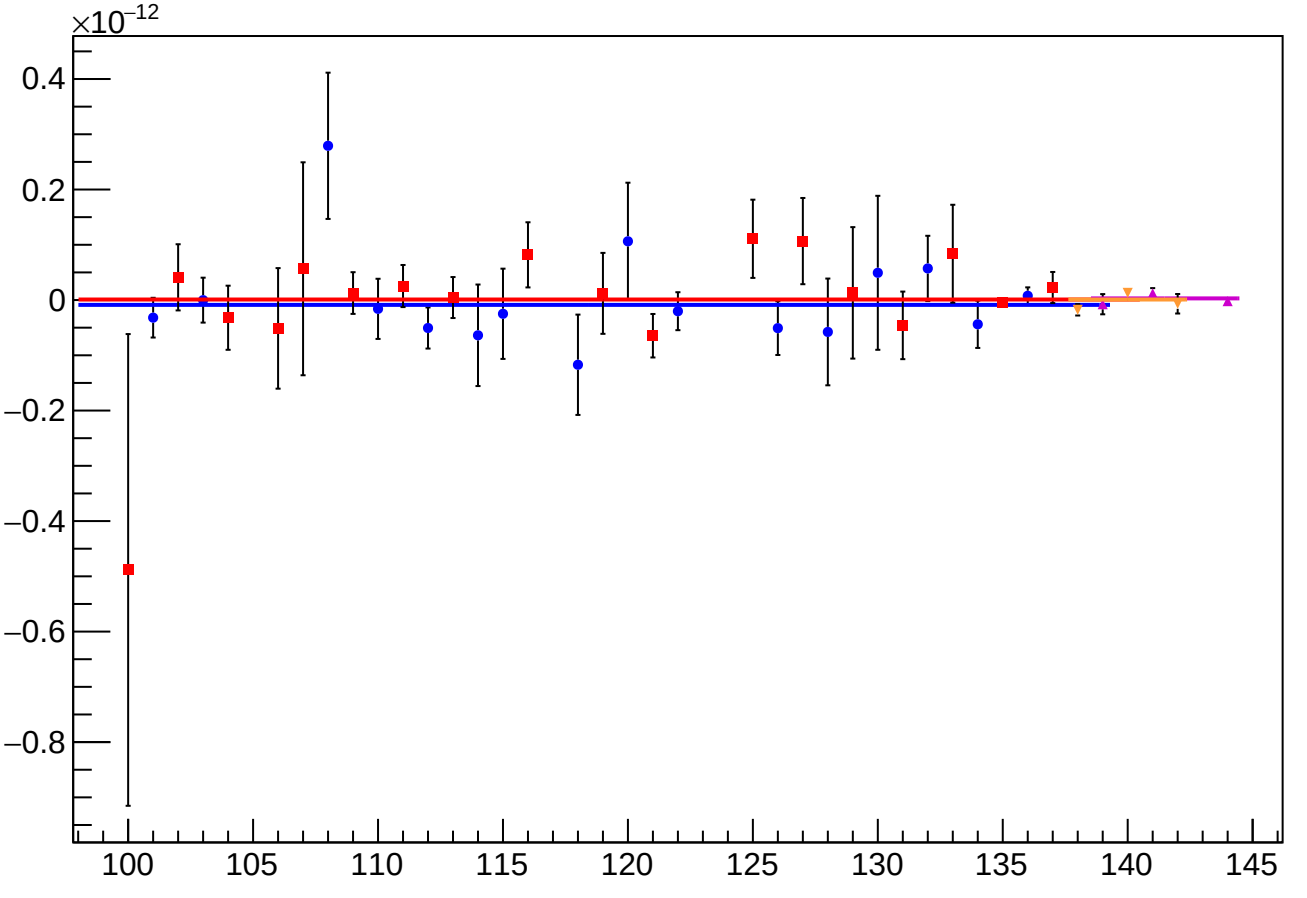
Left: 925.055+/-0.302 χ^2/NDF: 12778.6/5

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

In: 1037.039+/-0.236 χ^2/NDF:389289.2/18

Out: 1047.952+/-0.245 χ^2/NDF:448754.7/20

All: 1042.298+/-0.170 χ^2/NDF: 839074.5/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/2

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

Left In: 0.000+/-0.000 χ^2/NDF:1.7/2

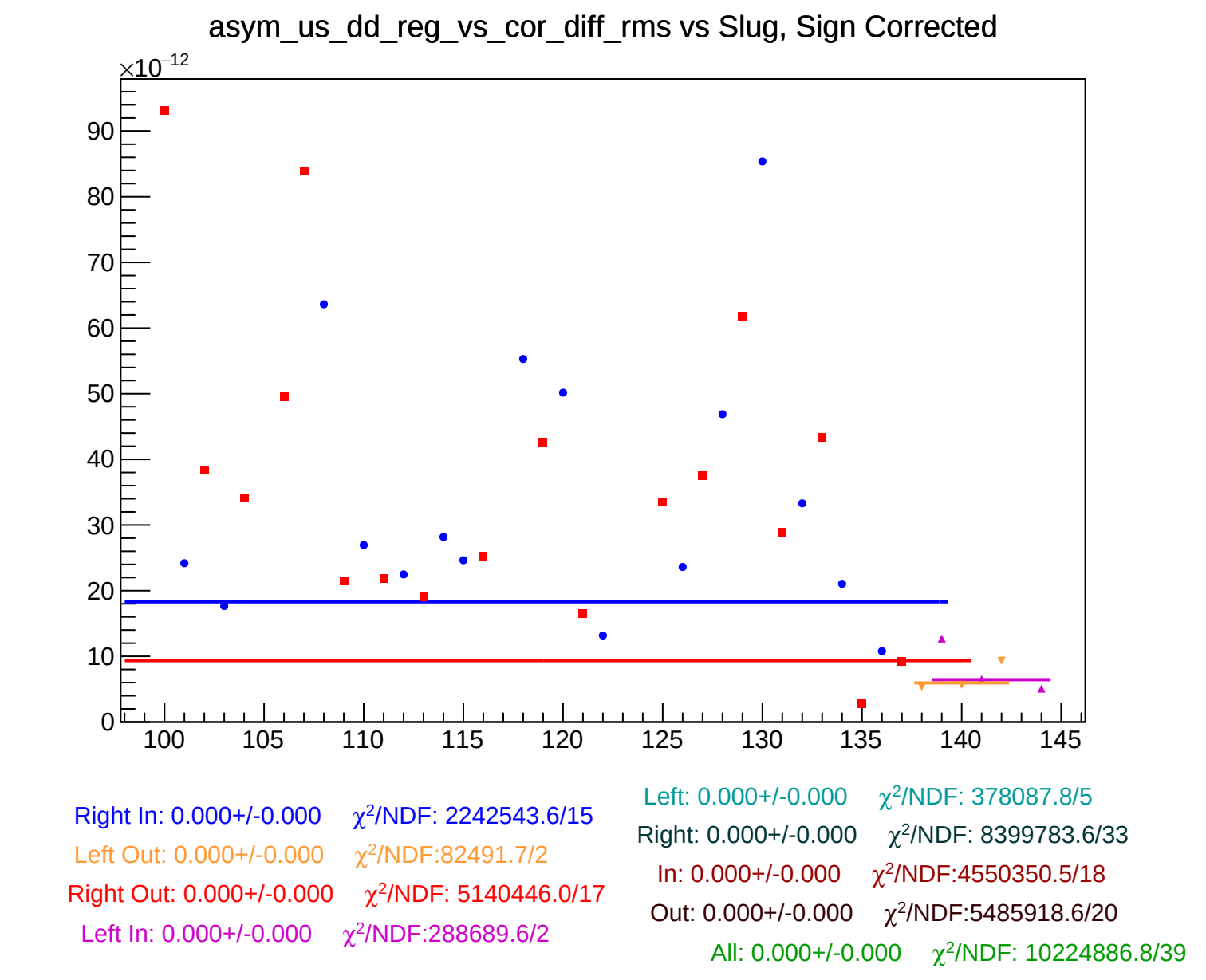
Left: 0.000+/-0.000 χ^2/NDF: 7.6/5

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

In: 0.000+/-0.000 χ^2/NDF:16.5/18

Out: 0.000+/-0.000 χ^2/NDF:20.2/20

All: 0.000+/-0.000 χ^2/NDF: 36.7/39


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
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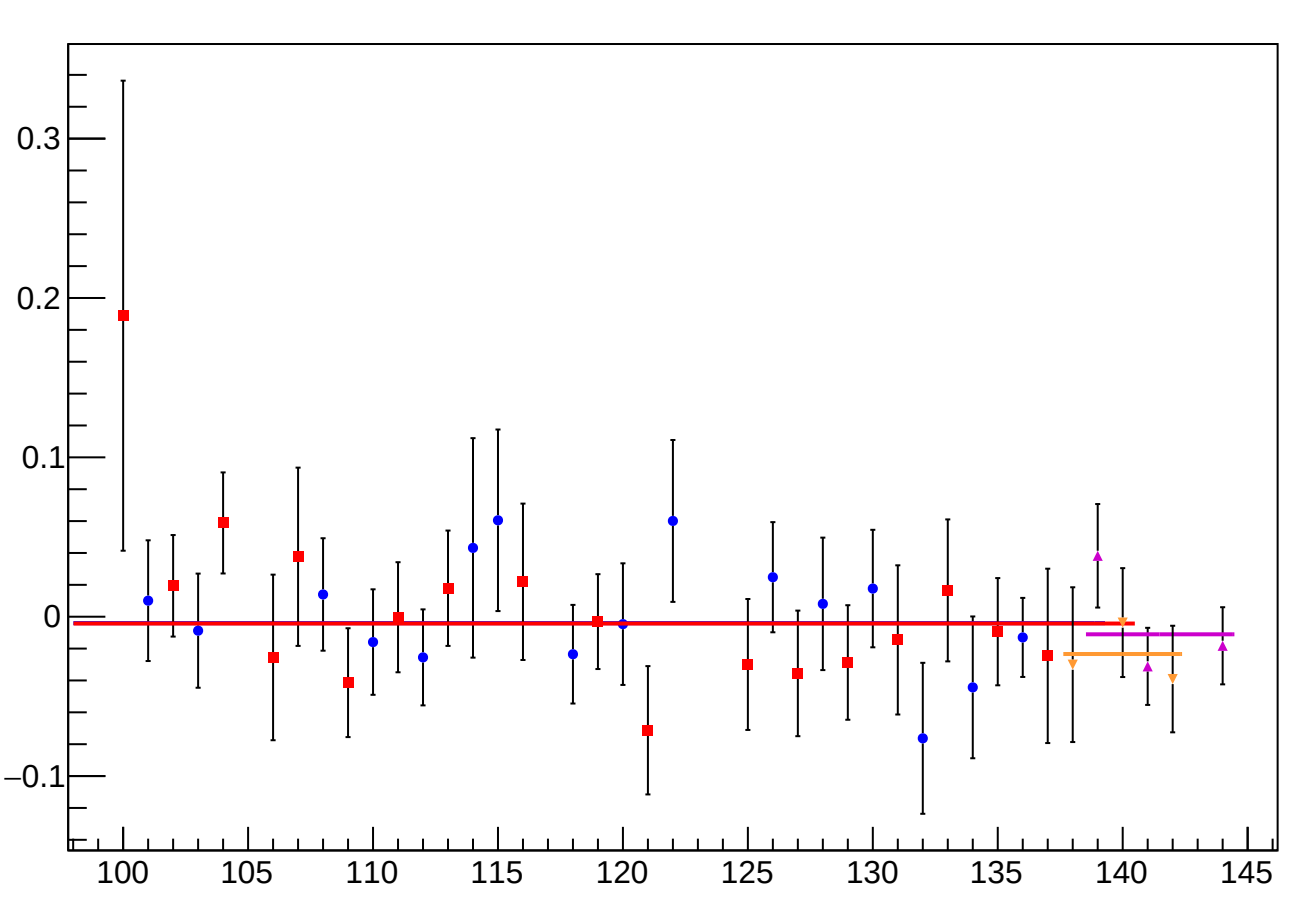
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:82491.7/2
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:288689.6/2
Left: 0.000+/-0.000 χ²/NDF: 378087.8/5
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:4550350.5/18
Out: 0.000+/-0.000 χ²/NDF:5485918.6/20
All: 0.000+/-0.000 χ²/NDF: 10224886.8/39



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

Left In: -0.011+/-0.015 χ^2/NDF:3.1/2

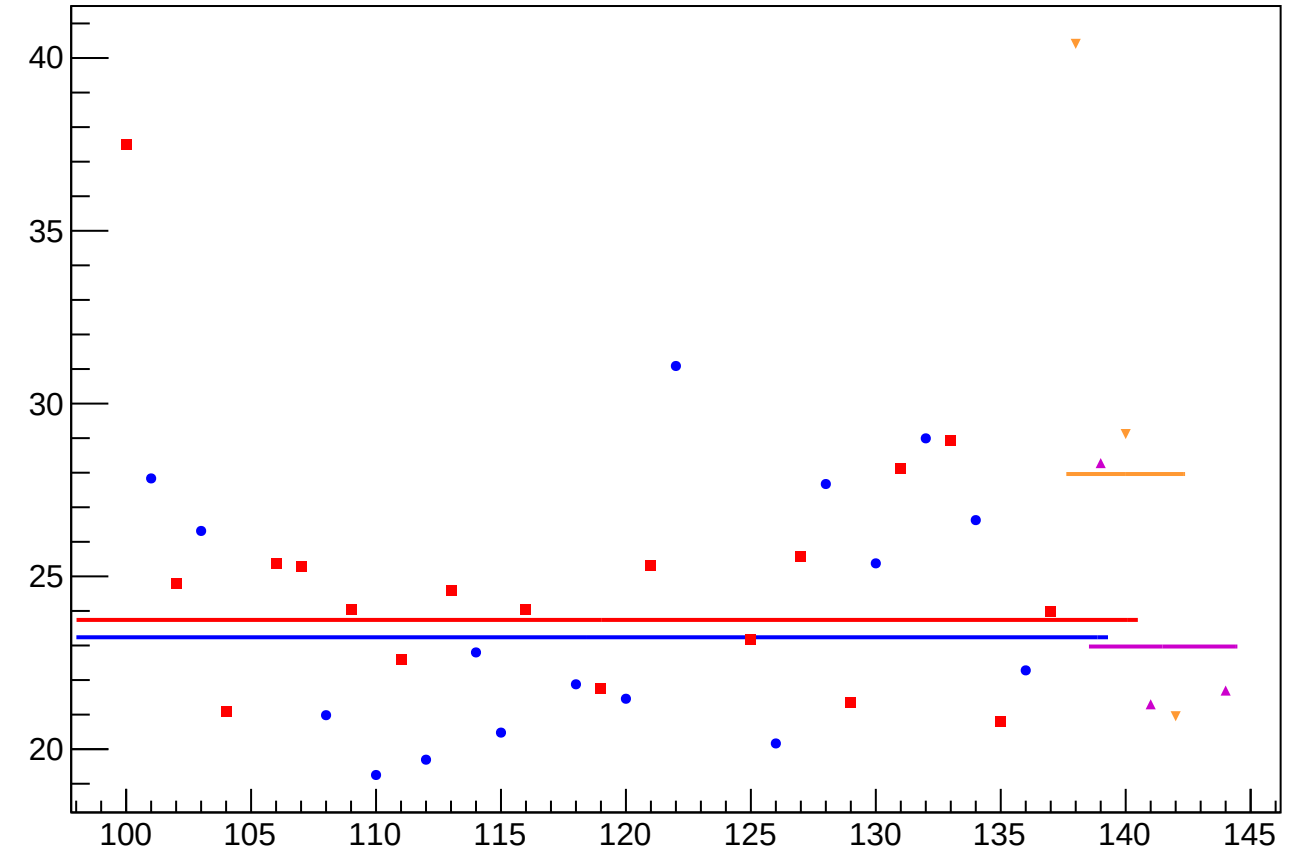
Left: -0.015+/-0.012 χ^2/NDF: 3.9/5

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

In: -0.006+/-0.008 χ^2/NDF:12.4/18

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.007+/-0.006 χ^2/NDF: 27.2/39



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

Left Out: 27.962+/-0.015 χ^2/NDF:221582.8/2

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

Left In: 22.970+/-0.011 χ^2/NDF:68498.0/2

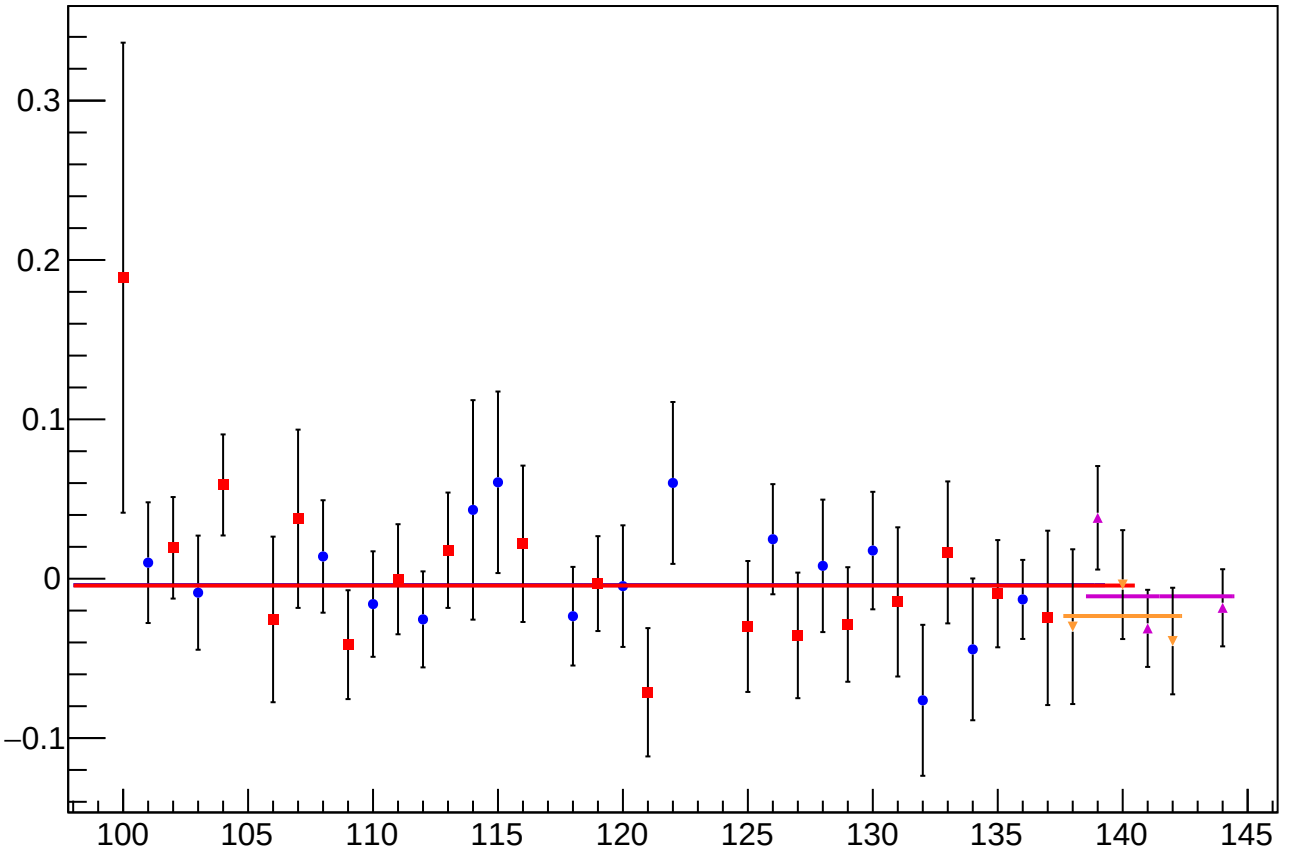
Left: 24.631+/-0.009 χ^2/NDF: 362416.2/5

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

In: 23.165+/-0.006 χ^2/NDF:328188.4/18

Out: 24.410+/-0.006 χ^2/NDF:412987.7/20

All: 23.739+/-0.004 χ^2/NDF: 764087.2/39



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

Left In: -0.011+/-0.015 χ^2/NDF:3.1/2

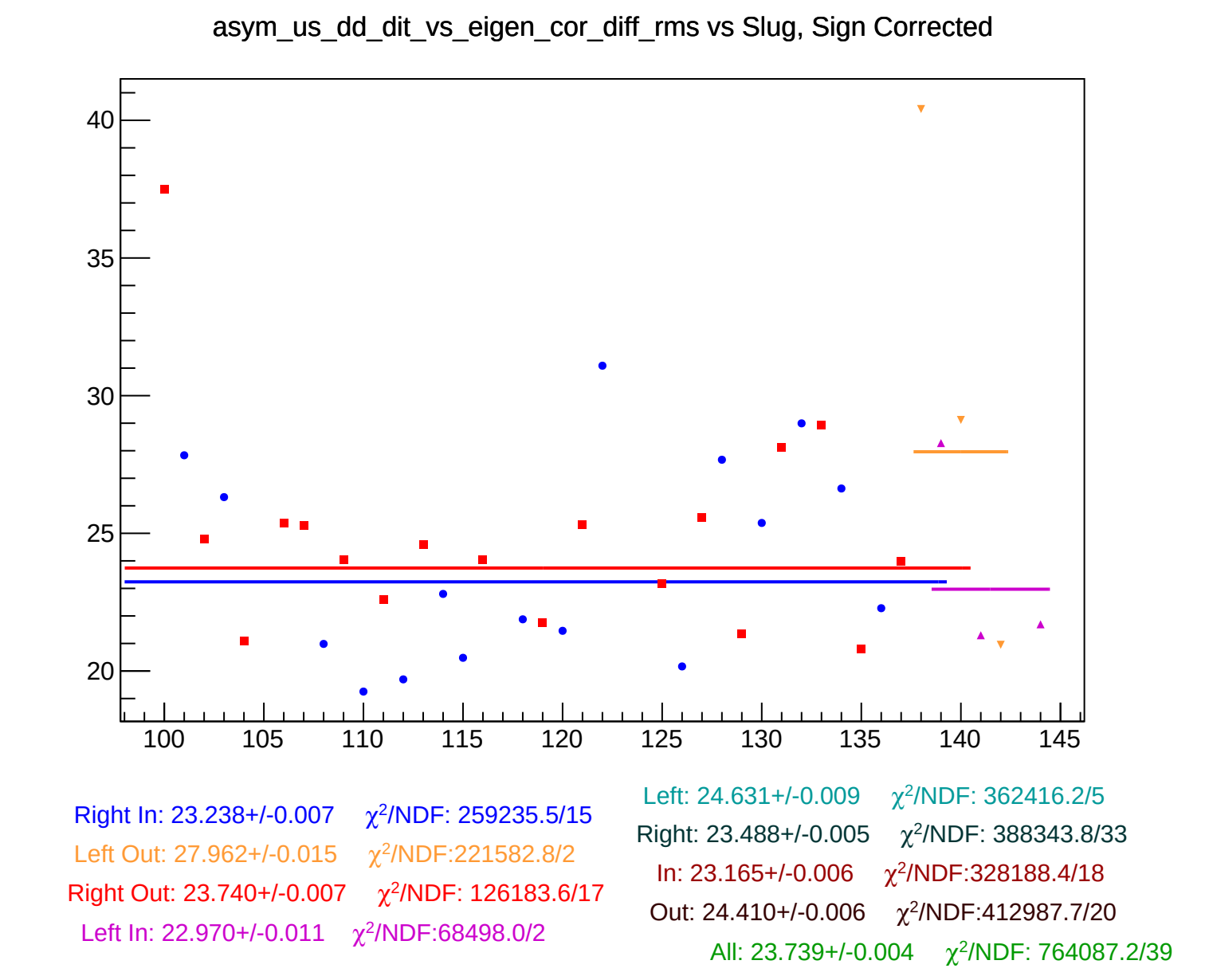
Left: -0.015+/-0.012 χ^2/NDF: 3.9/5

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

In: -0.006+/-0.008 χ^2/NDF:12.4/18

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.007+/-0.006 χ^2/NDF: 27.2/39


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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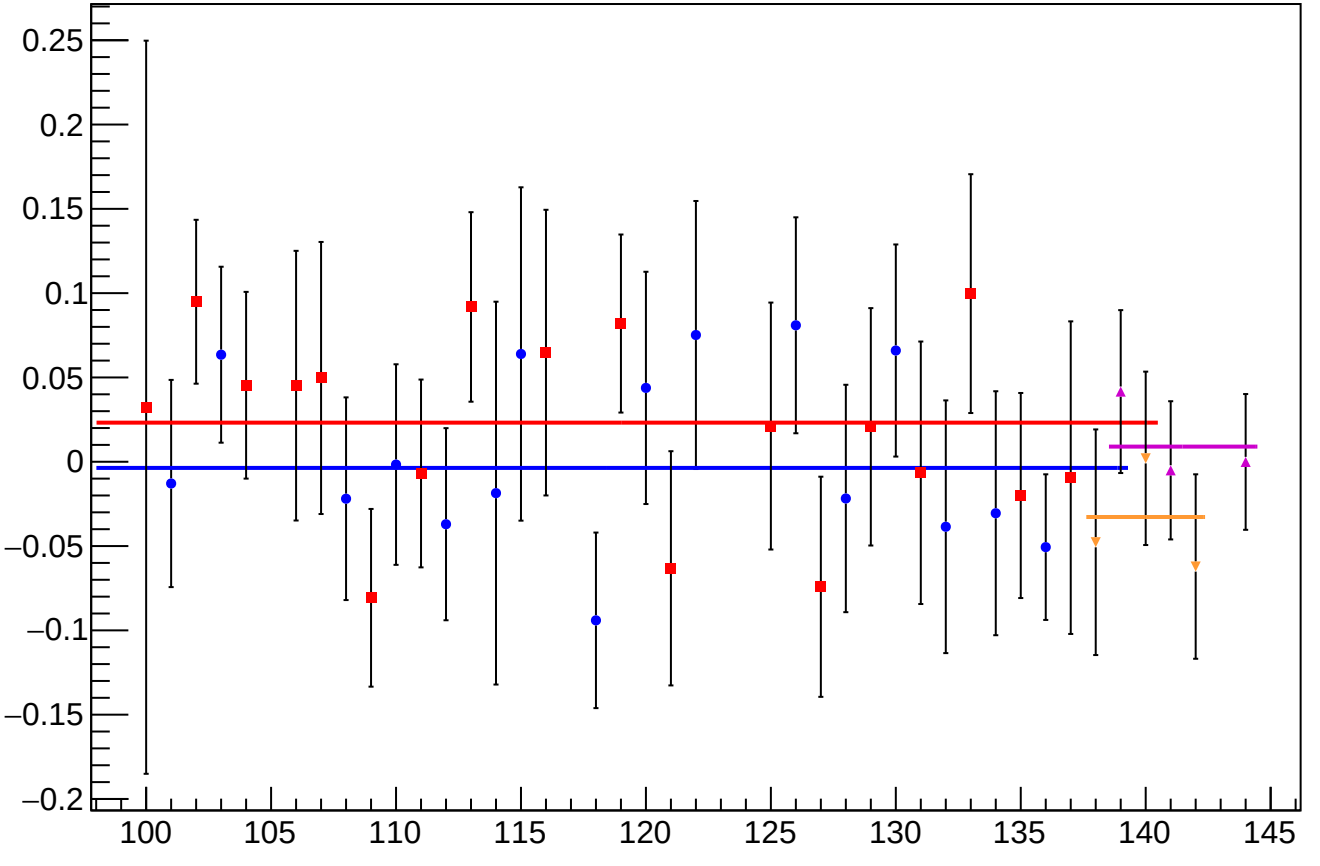
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 27.962+/-0.015 χ²/NDF:221582.8/2
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 22.970+/-0.011 χ²/NDF:68498.0/2
Left: 24.631+/-0.009 χ²/NDF: 362416.2/5
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.165+/-0.006 χ²/NDF:328188.4/18
Out: 24.410+/-0.006 χ²/NDF:412987.7/20
All: 23.739+/-0.004 χ²/NDF: 764087.2/39

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.033+/-0.033 χ^2/NDF:0.8/2

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

Left In: 0.009+/-0.025 χ^2/NDF:0.6/2

Left: -0.006+/-0.020 χ^2/NDF: 2.5/5

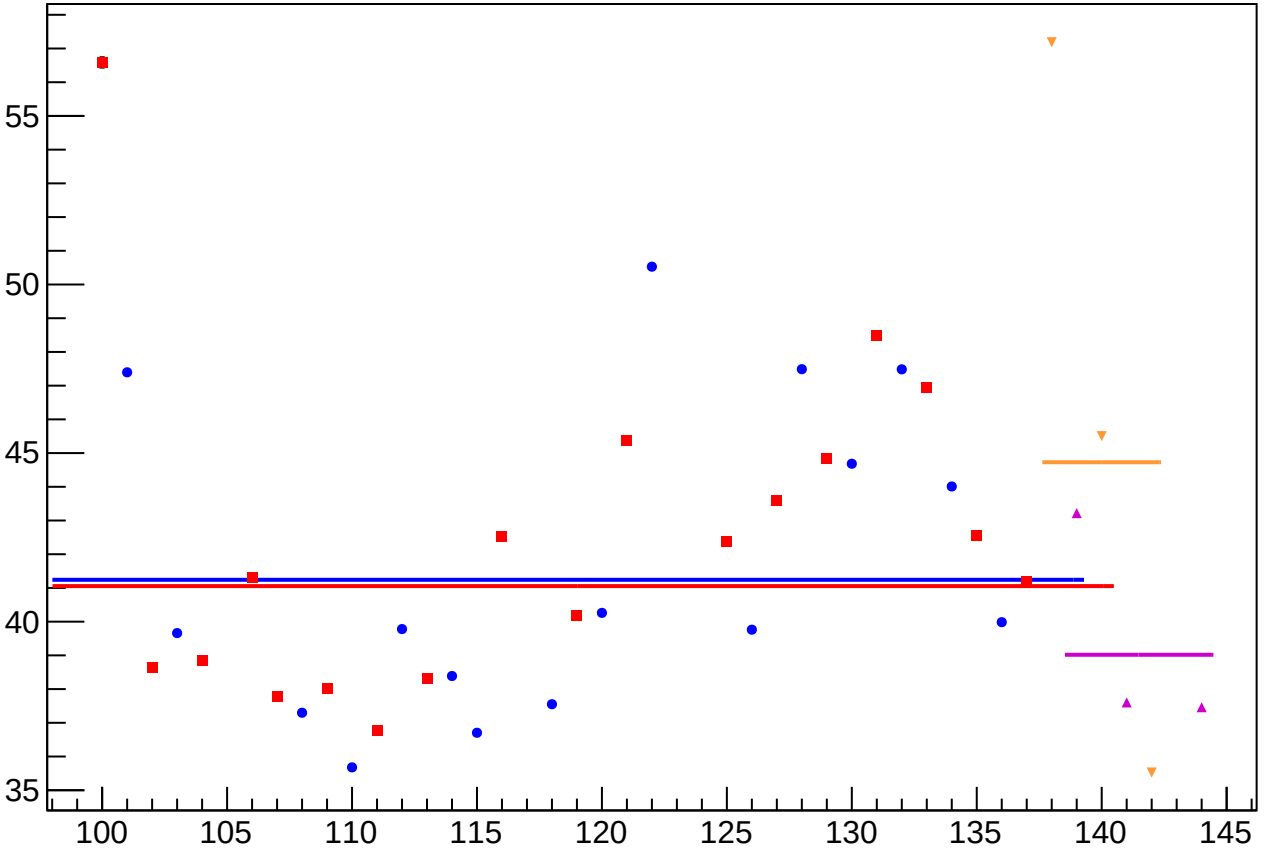
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.013 χ^2/NDF:12.5/18

Out: 0.013+/-0.014 χ^2/NDF:18.6/20

All: 0.006+/-0.010 χ^2/NDF: 31.5/39

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 44.728+/-0.023 χ^2/NDF:126376.6/2

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

Left In: 39.018+/-0.017 χ^2/NDF:20490.3/2

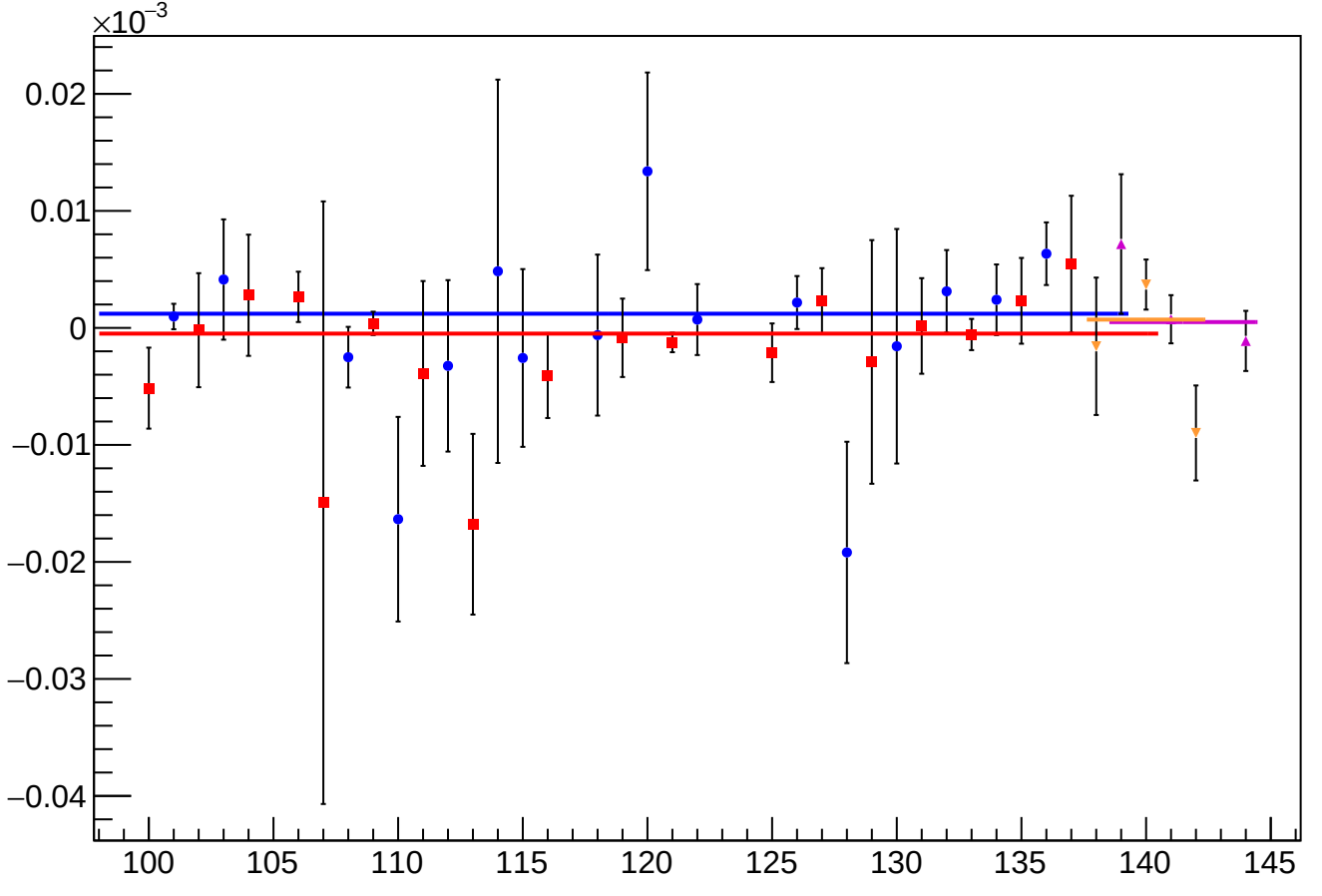
Left: 41.092+/-0.014 χ^2/NDF: 185736.0/5

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

In: 40.599+/-0.009 χ^2/NDF:167311.6/18

Out: 41.729+/-0.010 χ^2/NDF:243556.3/20

All: 41.134+/-0.007 χ^2/NDF: 417730.6/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/2

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

Left In: 0.000+/-0.000 χ^2/NDF:1.7/2

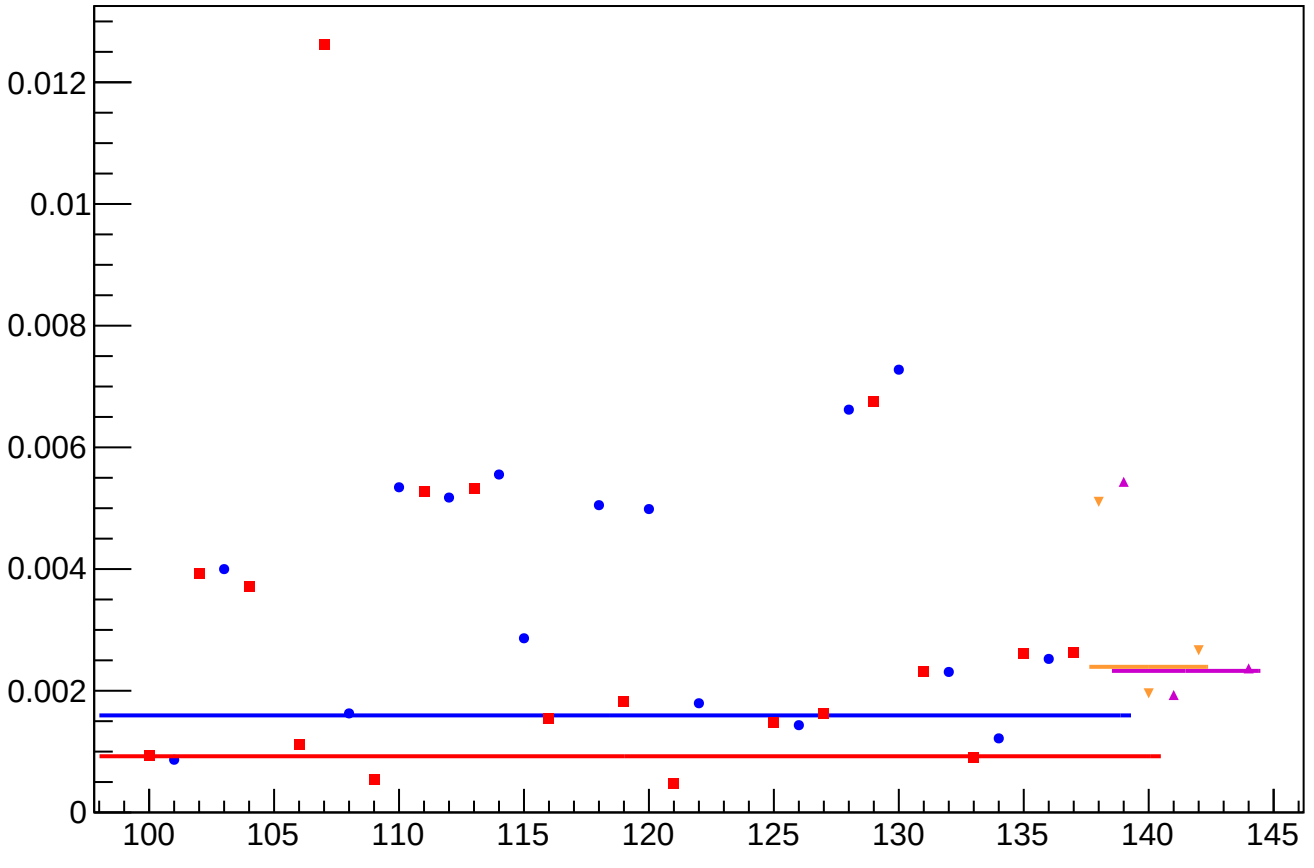
Left: 0.000+/-0.000 χ^2/NDF: 9.5/5

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:20.2/18

Out: -0.000+/-0.000 χ^2/NDF:23.2/20

All: 0.000+/-0.000 χ^2/NDF: 46.5/39



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

Left Out: 0.002+/-0.000 χ^2/NDF:518684.0/2

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

Left In: 0.002+/-0.000 χ^2/NDF:616974.7/2

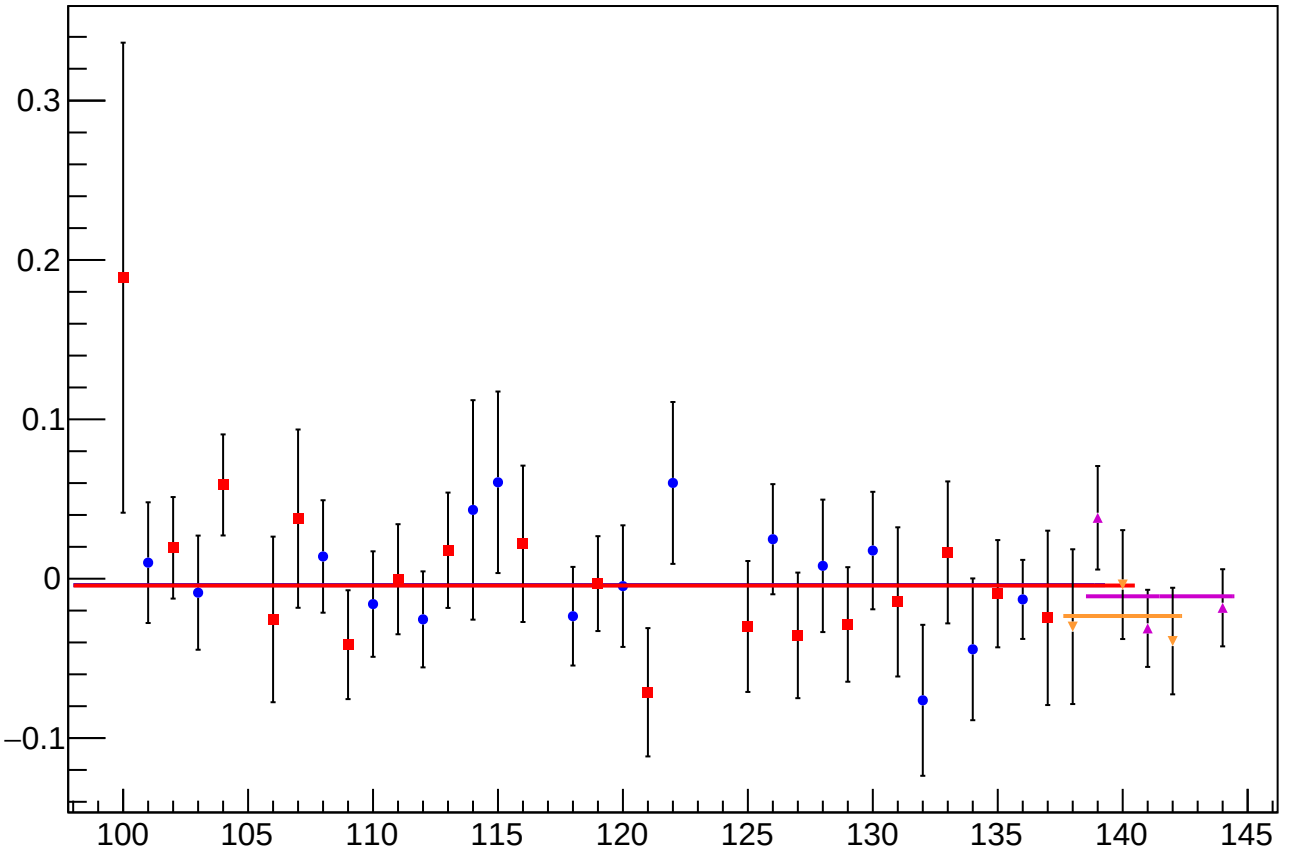
Left: 0.002+/-0.000 χ^2/NDF: 1137225.8/5

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

In: 0.002+/-0.000 χ^2/NDF:5739519.4/18

Out: 0.001+/-0.000 χ^2/NDF:7535657.8/20

All: 0.001+/-0.000 χ^2/NDF: 14728651.8/39



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

Left In: -0.011+/-0.015 χ^2/NDF:3.1/2

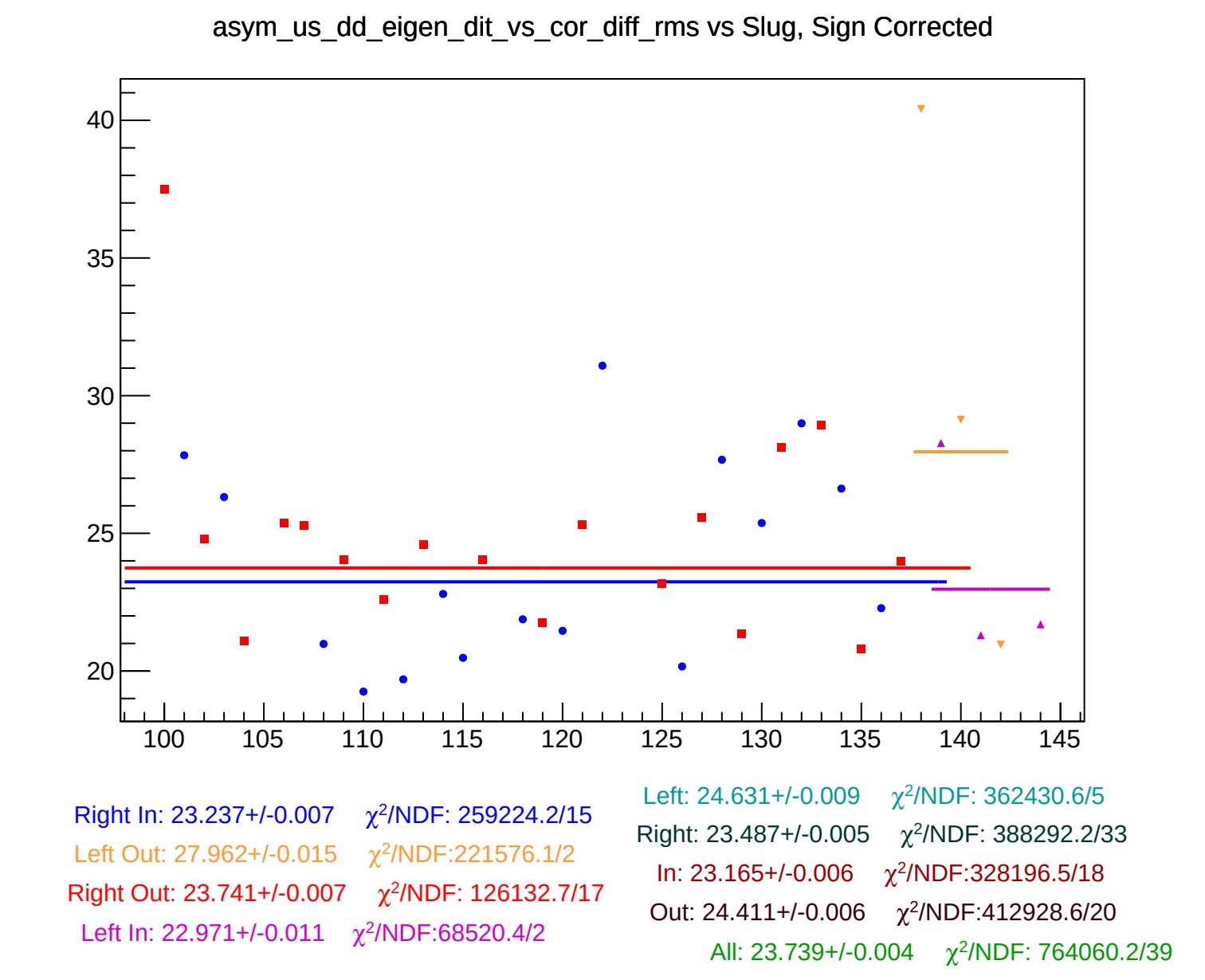
Left: -0.015+/-0.012 χ^2/NDF: 3.9/5

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

In: -0.006+/-0.008 χ^2/NDF:12.4/18

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.007+/-0.006 χ^2/NDF: 27.2/39


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
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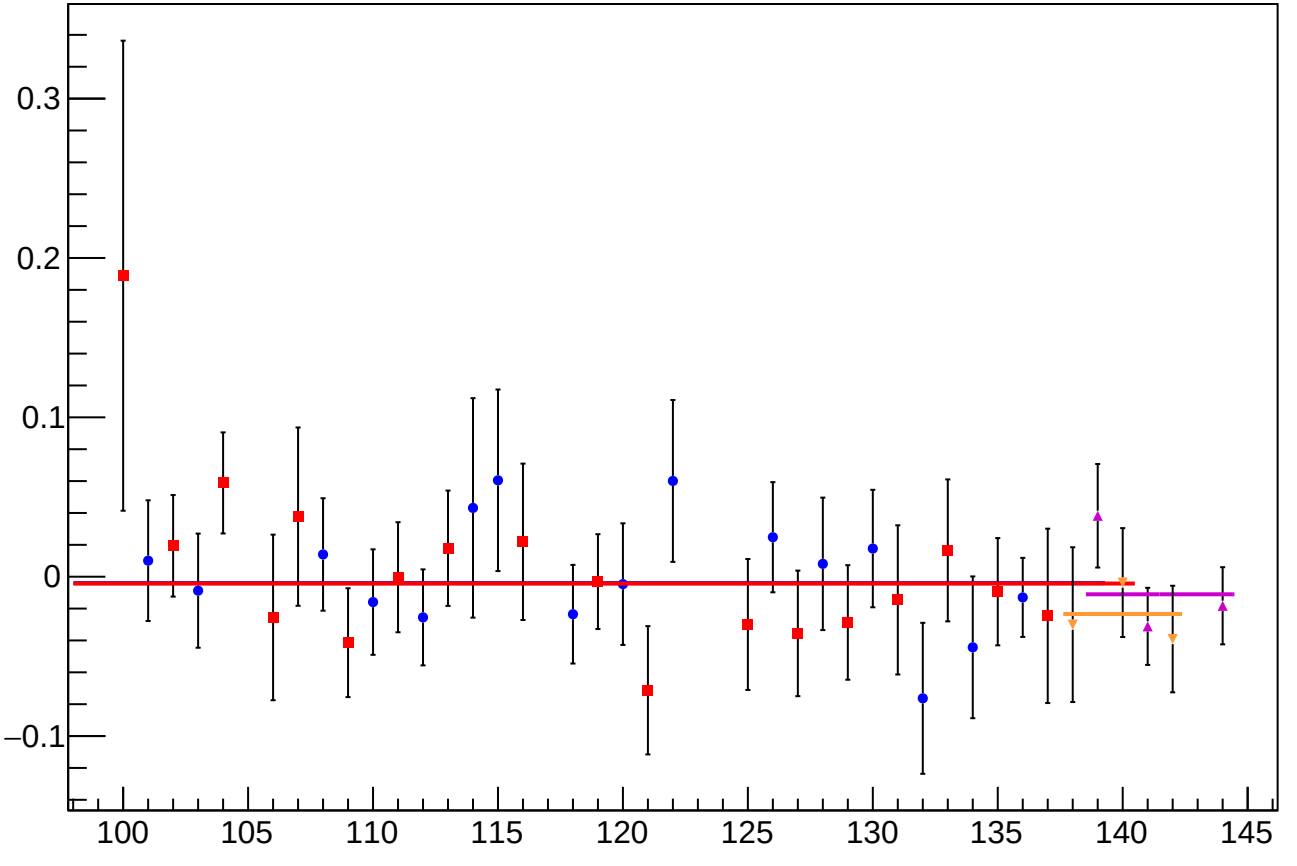
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 27.962+/-0.015 χ²/NDF:221576.1/2
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 22.971+/-0.011 χ²/NDF:68520.4/2
Left: 24.631+/-0.009 χ²/NDF: 362430.6/5
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.165+/-0.006 χ²/NDF:328196.5/18
Out: 24.411+/-0.006 χ²/NDF:412928.6/20
All: 23.739+/-0.004 χ²/NDF: 764060.2/39

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.023+/-0.021 χ^2/NDF:0.6/2

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

Left In: -0.011+/-0.015 χ^2/NDF:3.1/2

Left: -0.015+/-0.012 χ^2/NDF: 3.9/5

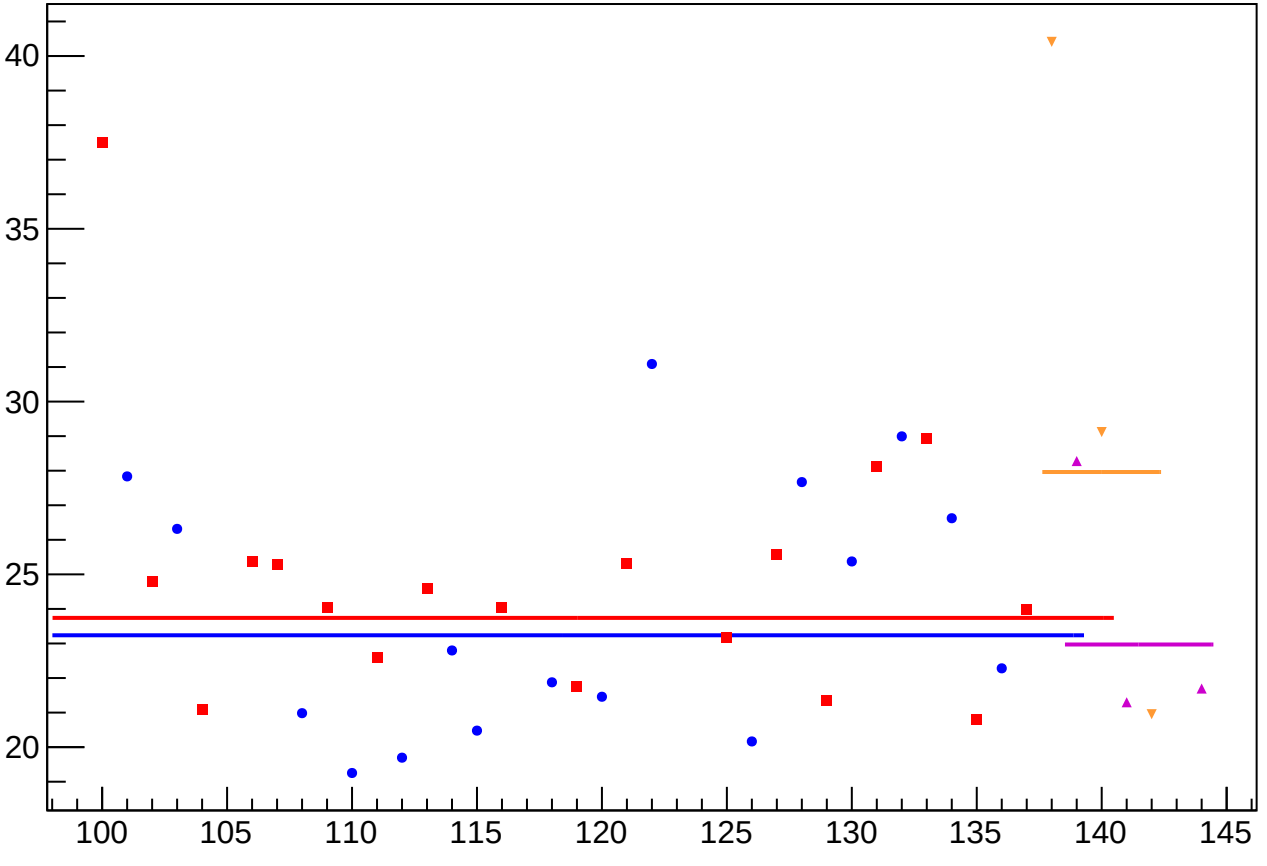
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.006+/-0.008 χ^2/NDF:12.4/18

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.007+/-0.006 χ^2/NDF: 27.2/39

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 27.962+/-0.015 χ^2/NDF:221576.1/2

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

Left In: 22.971+/-0.011 χ^2/NDF:68520.4/2

Left: 24.631+/-0.009 χ^2/NDF: 362430.6/5

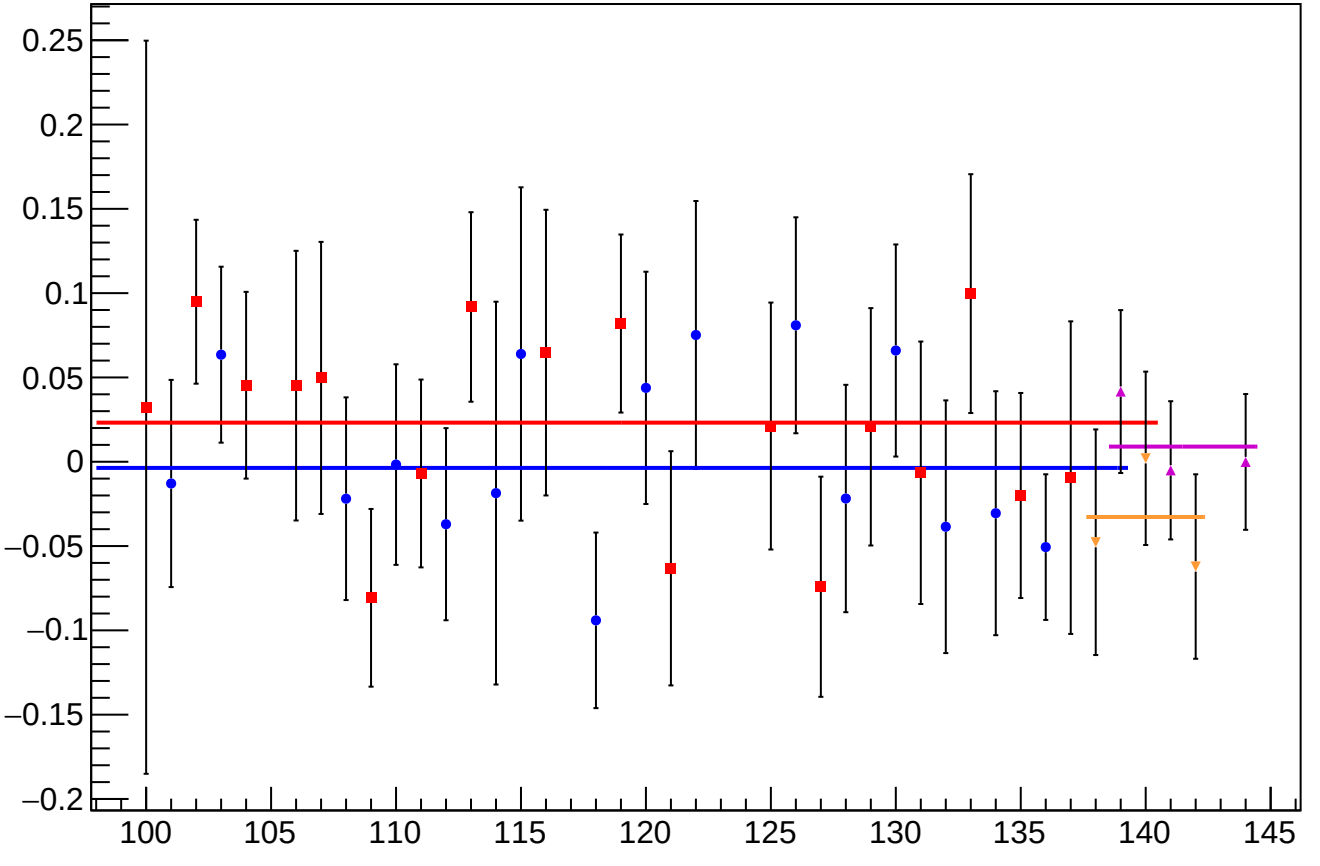
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.165+/-0.006 χ^2/NDF:328196.5/18

Out: 24.411+/-0.006 χ^2/NDF:412928.6/20

All: 23.739+/-0.004 χ^2/NDF: 764060.2/39

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.033+/-0.033 χ^2/NDF:0.8/2

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

Left In: 0.009+/-0.025 χ^2/NDF:0.6/2

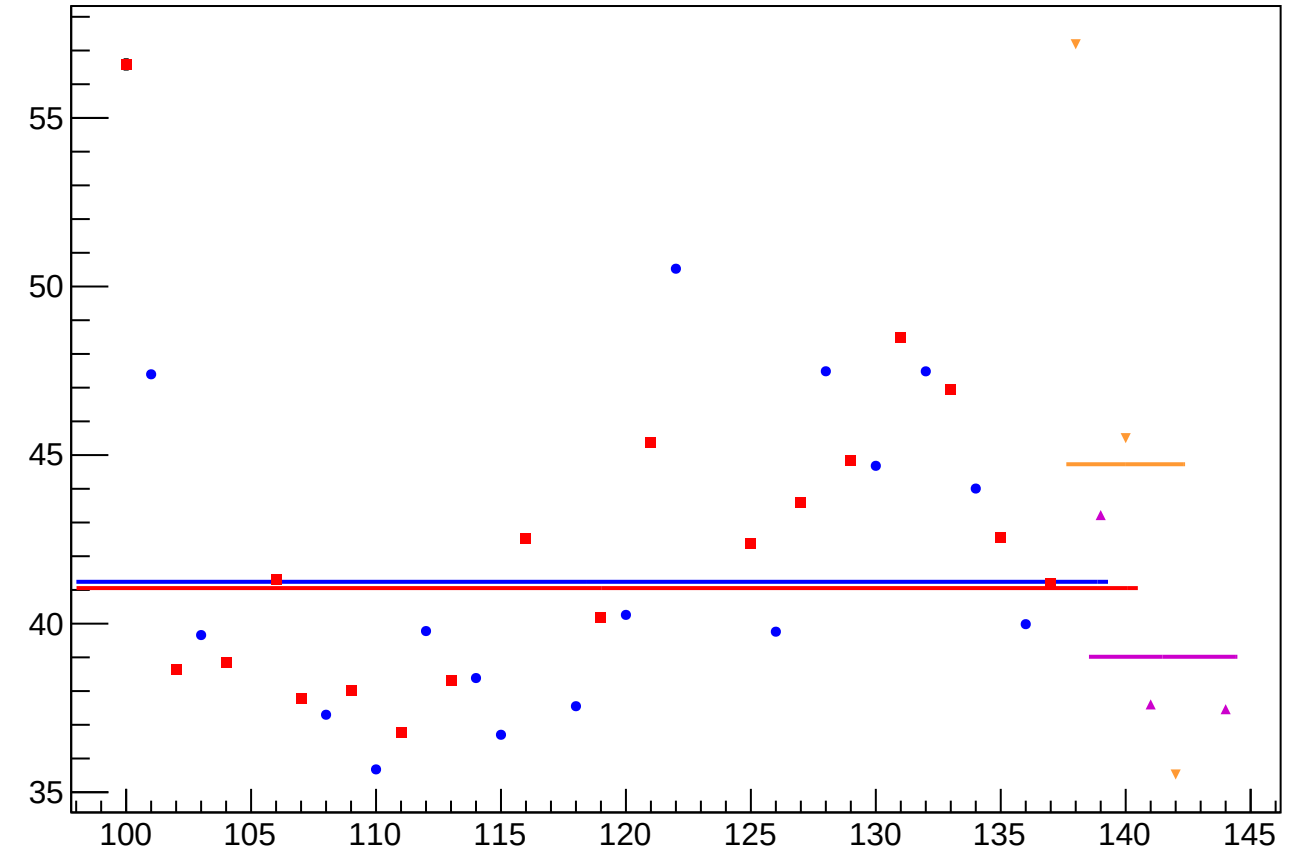
Left: -0.006+/-0.020 χ^2/NDF: 2.5/5

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.013 χ^2/NDF:12.5/18

Out: 0.013+/-0.014 χ^2/NDF:18.6/20

All: 0.006+/-0.010 χ^2/NDF: 31.5/39



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

Left Out: 44.728+/-0.023 χ^2/NDF:126382.2/2

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

Left In: 39.018+/-0.017 χ^2/NDF:20496.1/2

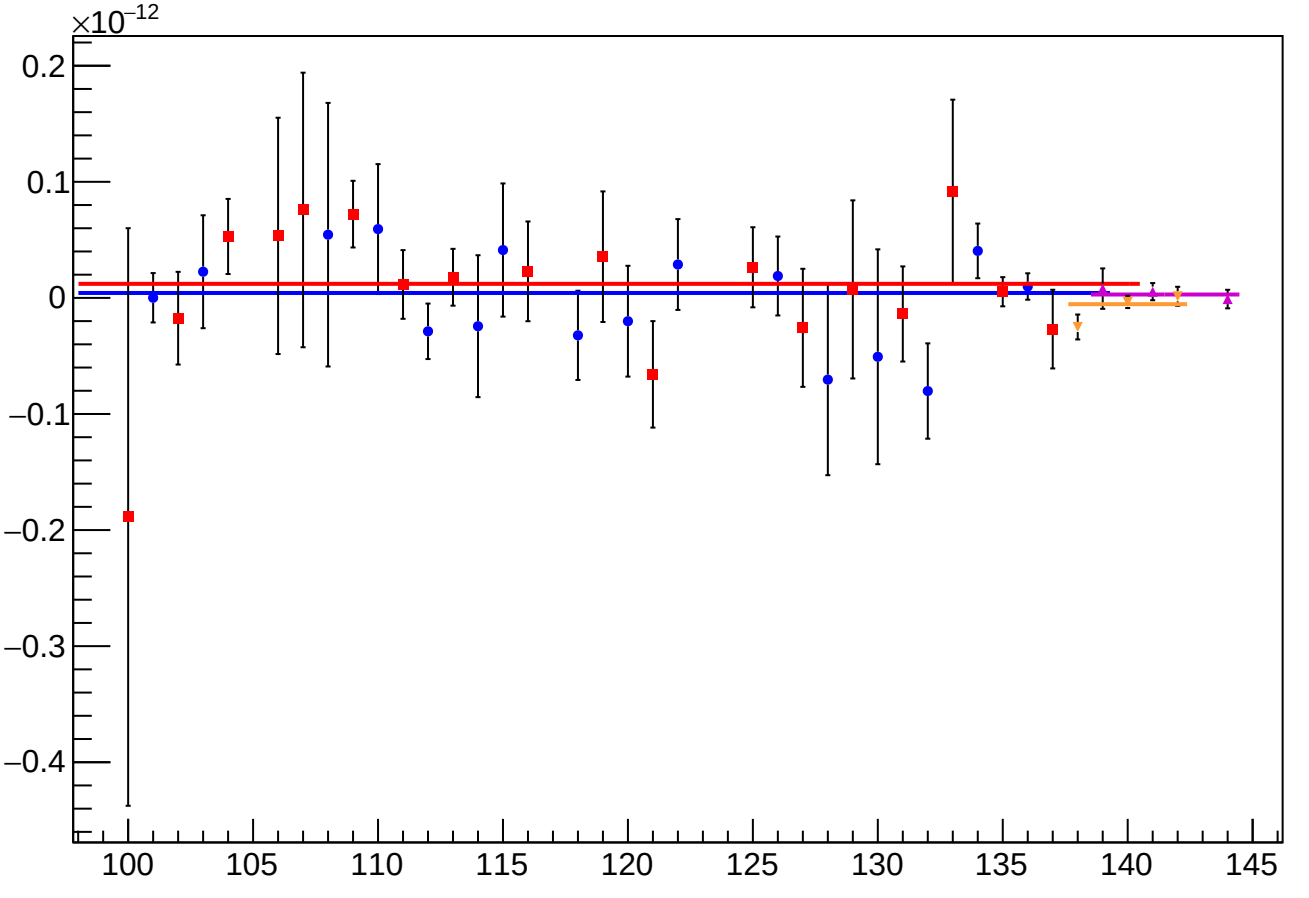
Left: 41.092+/-0.014 χ^2/NDF: 185743.0/5

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

In: 40.599+/-0.009 χ^2/NDF:167290.8/18

Out: 41.729+/-0.010 χ^2/NDF:243549.6/20

All: 41.134+/-0.007 χ^2/NDF: 417703.8/39



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/2

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

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

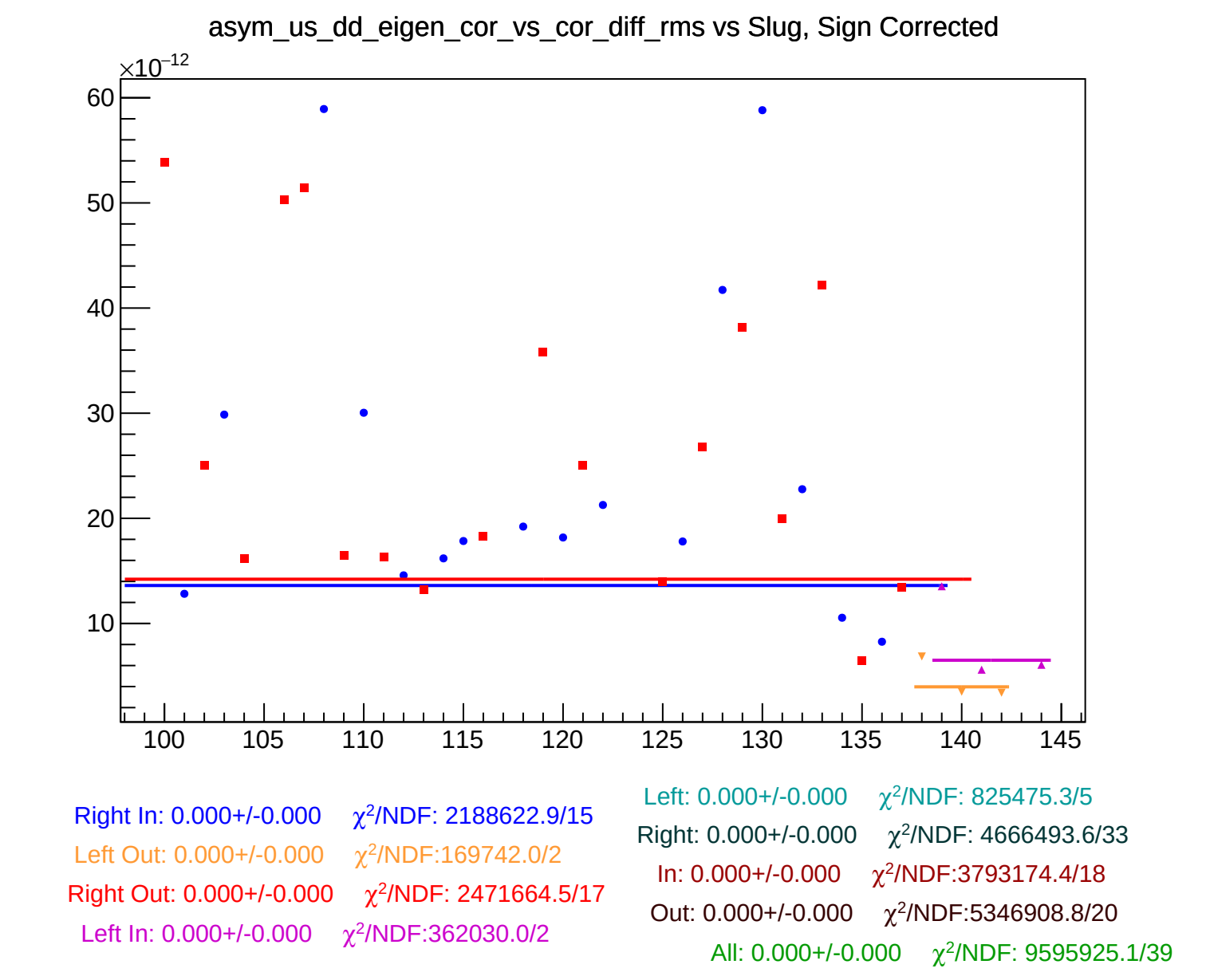
Left: -0.000+/-0.000 χ^2/NDF: 6.2/5

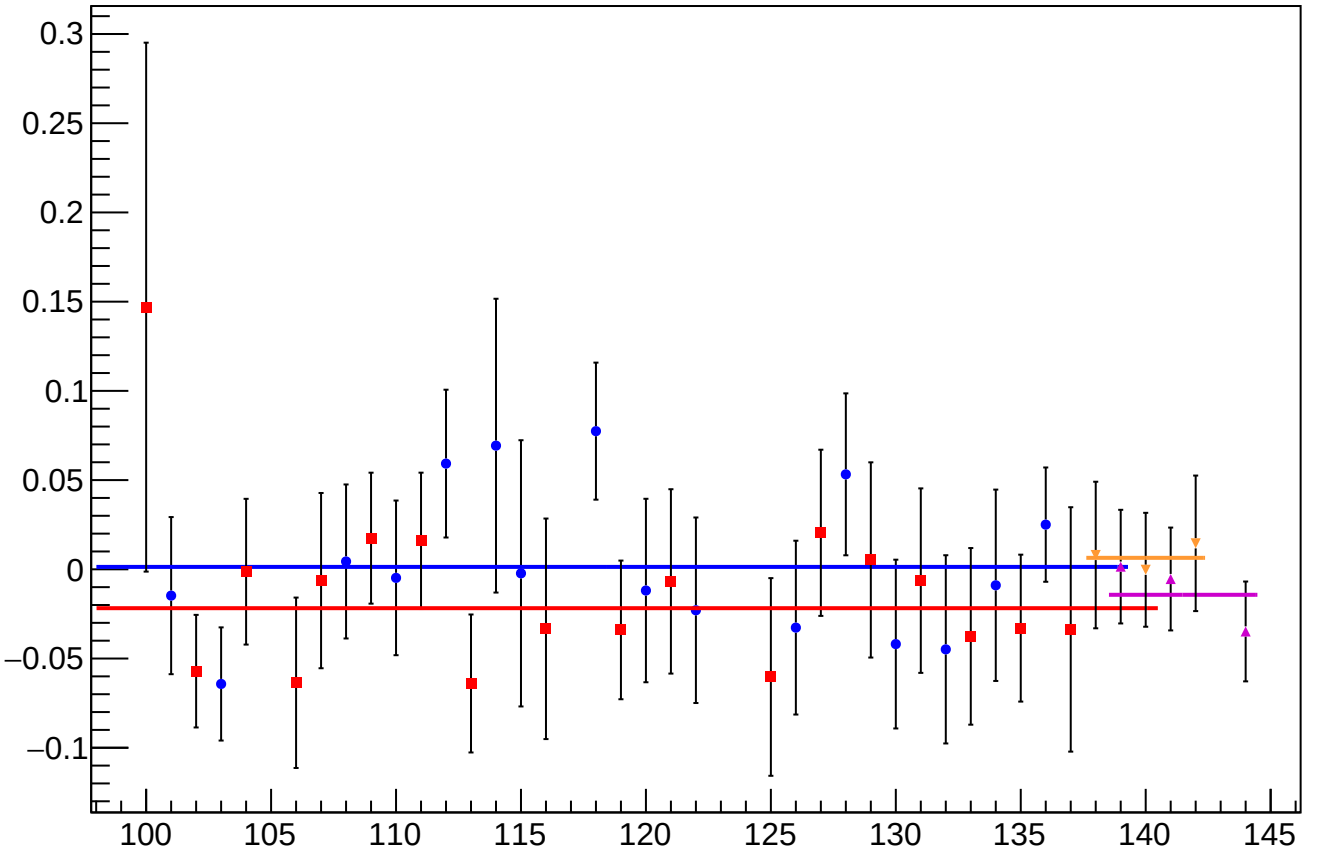
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:14.1/18

Out: -0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 37.6/39


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:169742.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:362030.0/2
Left: 0.000+/-0.000 χ²/NDF: 825475.3/5
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3793174.4/18
Out: 0.000+/-0.000 χ²/NDF:5346908.8/20
All: 0.000+/-0.000 χ²/NDF: 9595925.1/39



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

Left Out: 0.006+/-0.021 χ^2/NDF:0.1/2

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

Left In: -0.014+/-0.017 χ^2/NDF:0.9/2

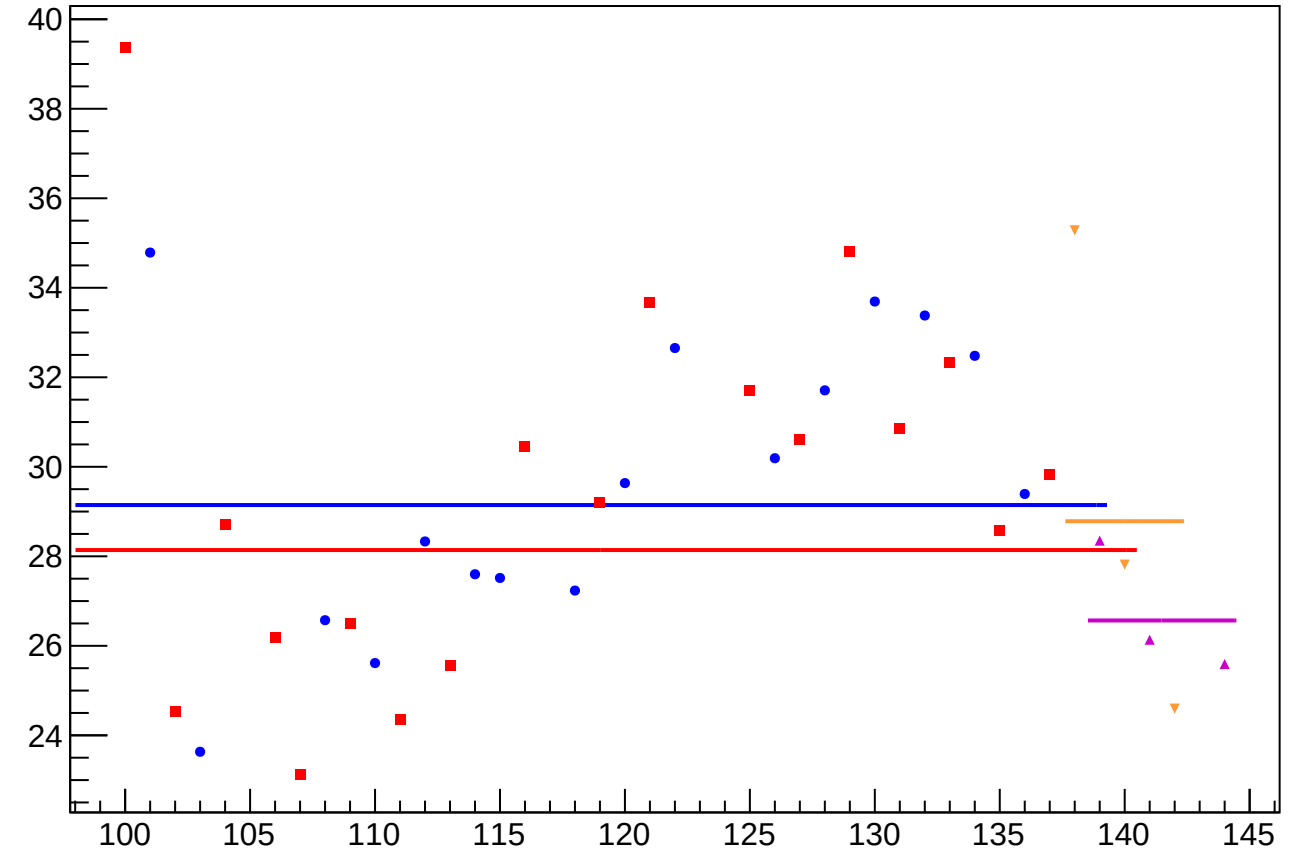
Left: -0.006+/-0.013 χ^2/NDF: 1.6/5

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

In: -0.003+/-0.009 χ^2/NDF:16.7/18

Out: -0.016+/-0.010 χ^2/NDF:10.6/20

All: -0.009+/-0.007 χ^2/NDF: 28.2/39



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

Left Out: 28.784+/-0.015 χ^2/NDF:76252.4/2

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

Left In: 26.566+/-0.012 χ^2/NDF:9140.7/2

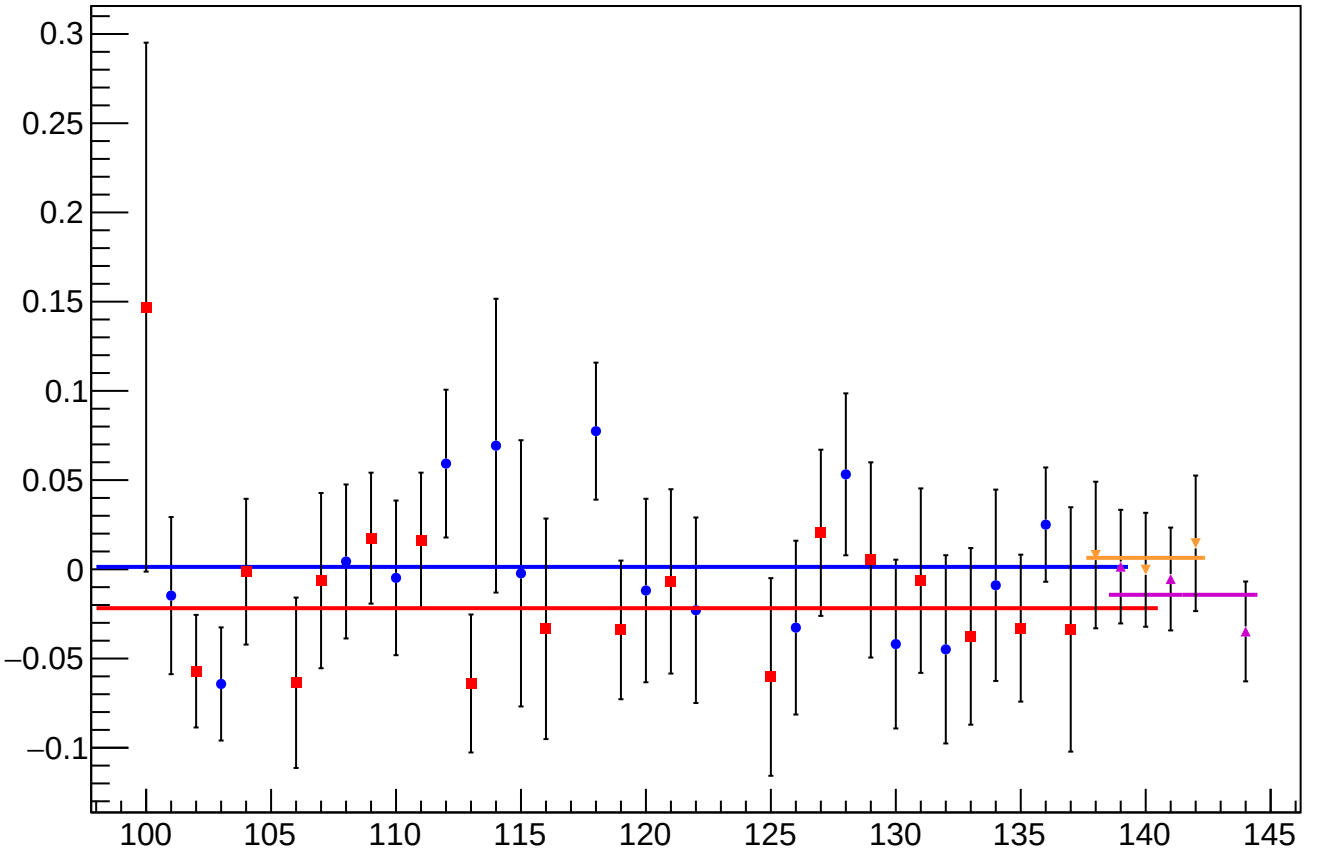
Left: 27.443+/-0.009 χ^2/NDF: 98876.0/5

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

In: 28.362+/-0.007 χ^2/NDF:218161.1/18

Out: 28.274+/-0.007 χ^2/NDF:264843.7/20

All: 28.319+/-0.005 χ^2/NDF: 483091.4/39



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

Left Out: 0.006+/-0.021 χ^2/NDF:0.1/2

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

Left In: -0.014+/-0.017 χ^2/NDF:0.9/2

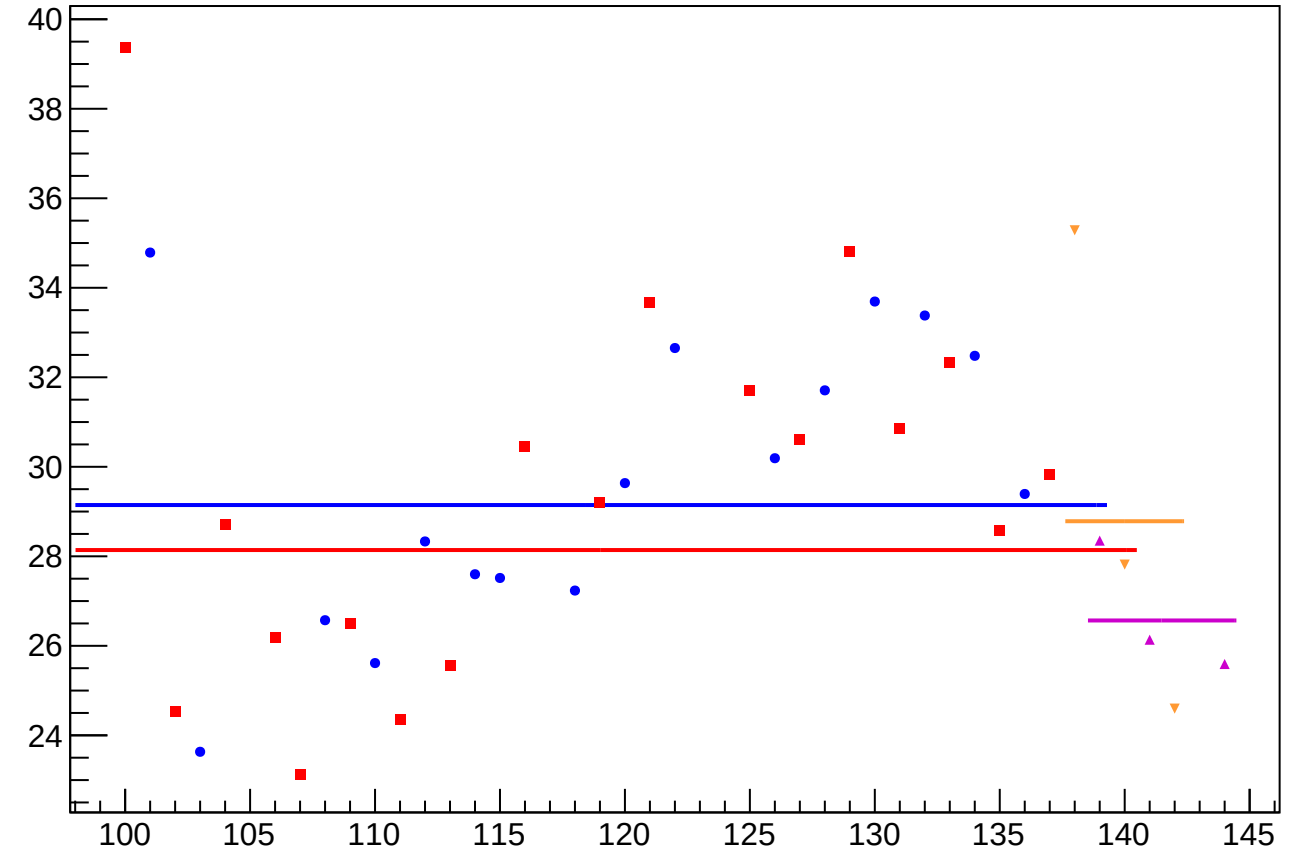
Left: -0.006+/-0.013 χ^2/NDF: 1.6/5

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

In: -0.003+/-0.009 χ^2/NDF:16.7/18

Out: -0.016+/-0.010 χ^2/NDF:10.6/20

All: -0.009+/-0.007 χ^2/NDF: 28.2/39



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

Left Out: 28.784+/-0.015 χ^2/NDF:76252.4/2

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

Left In: 26.566+/-0.012 χ^2/NDF:9140.7/2

Left: 27.443+/-0.009 χ^2/NDF: 98876.0/5

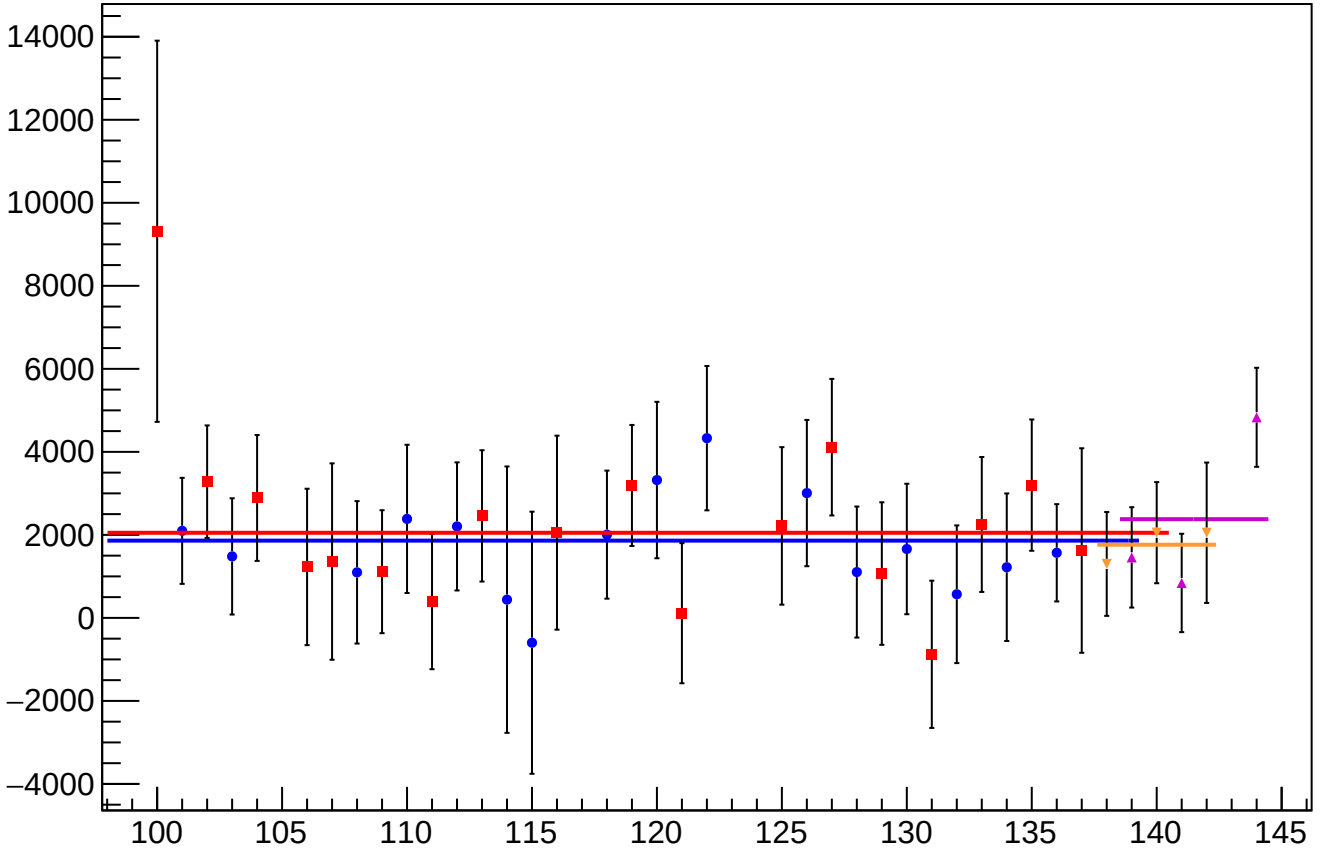
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.362+/-0.007 χ^2/NDF:218161.1/18

Out: 28.274+/-0.007 χ^2/NDF:264843.7/20

All: 28.319+/-0.005 χ^2/NDF: 483091.4/39

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

Left In: 2378.509+/-690.170 χ^2/NDF:6.5/2

Left: 2106.513+/-515.555 χ^2/NDF: 7.1/5

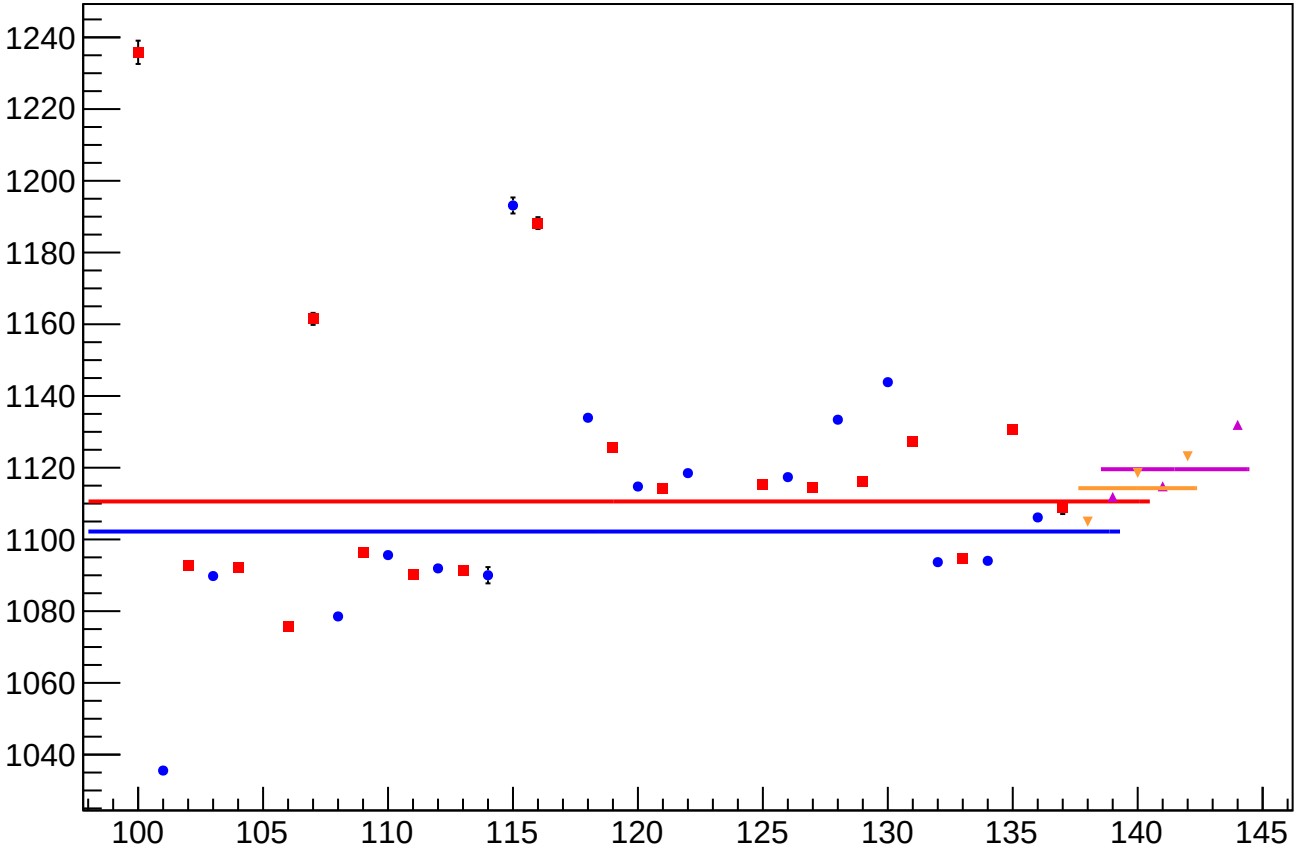
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1996.148+/-352.190 χ^2/NDF:12.2/18

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1992.266+/-252.412 χ^2/NDF: 25.1/39

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

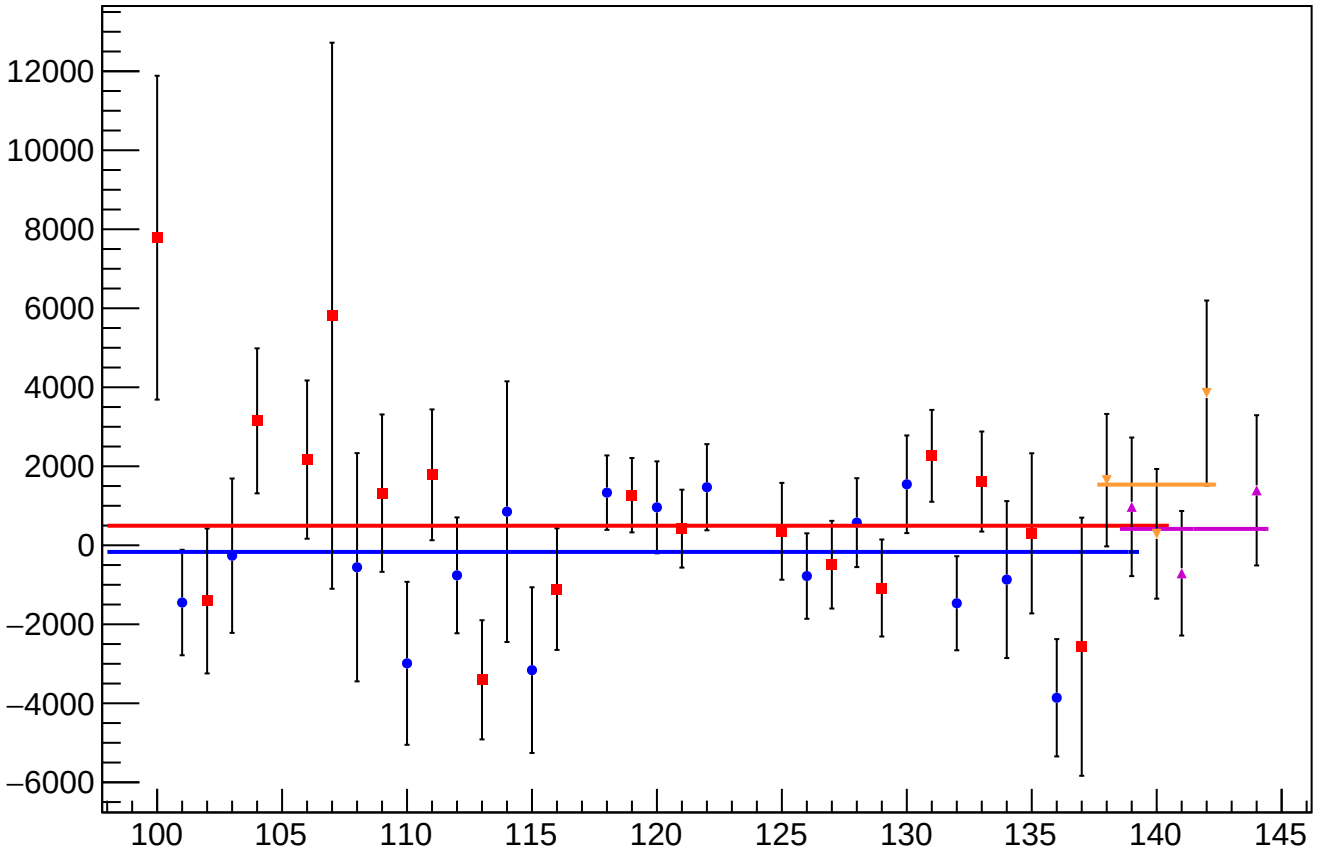
Left: 1117.244+/-0.365 χ^2/NDF: 572.2/5

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

In: 1106.730+/-0.249 χ^2/NDF:12615.8/18

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1109.000+/-0.178 χ^2/NDF: 20709.5/39



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

Left In: 415.055+/-998.218 χ^2/NDF:0.9/2

Left: 948.276+/-723.014 χ^2/NDF: 3.0/5

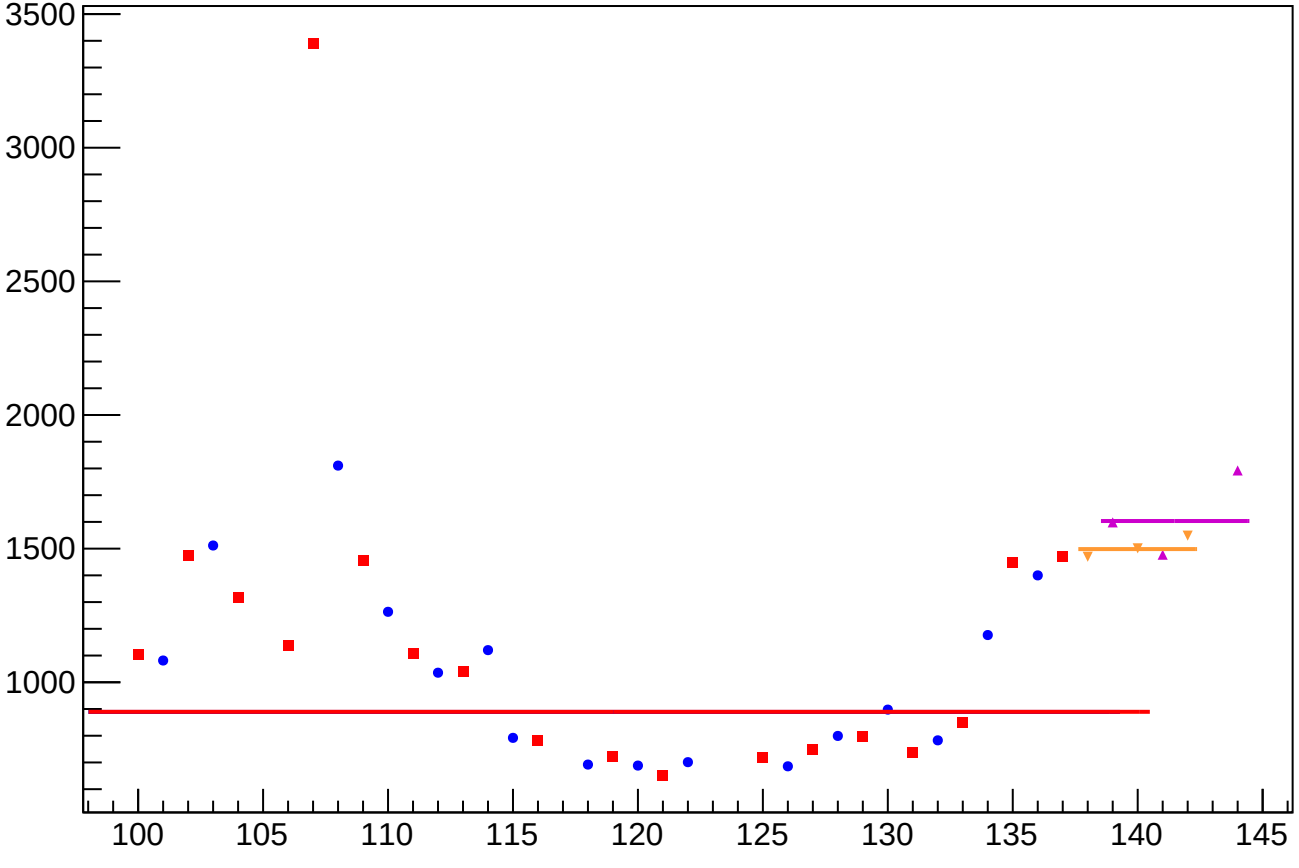
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -105.546+/-326.447 χ^2/NDF:22.2/18

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 244.274+/-231.298 χ^2/NDF: 50.2/39

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

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

Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

Left: 1553.416+/-0.511 χ^2/NDF: 44618.0/5

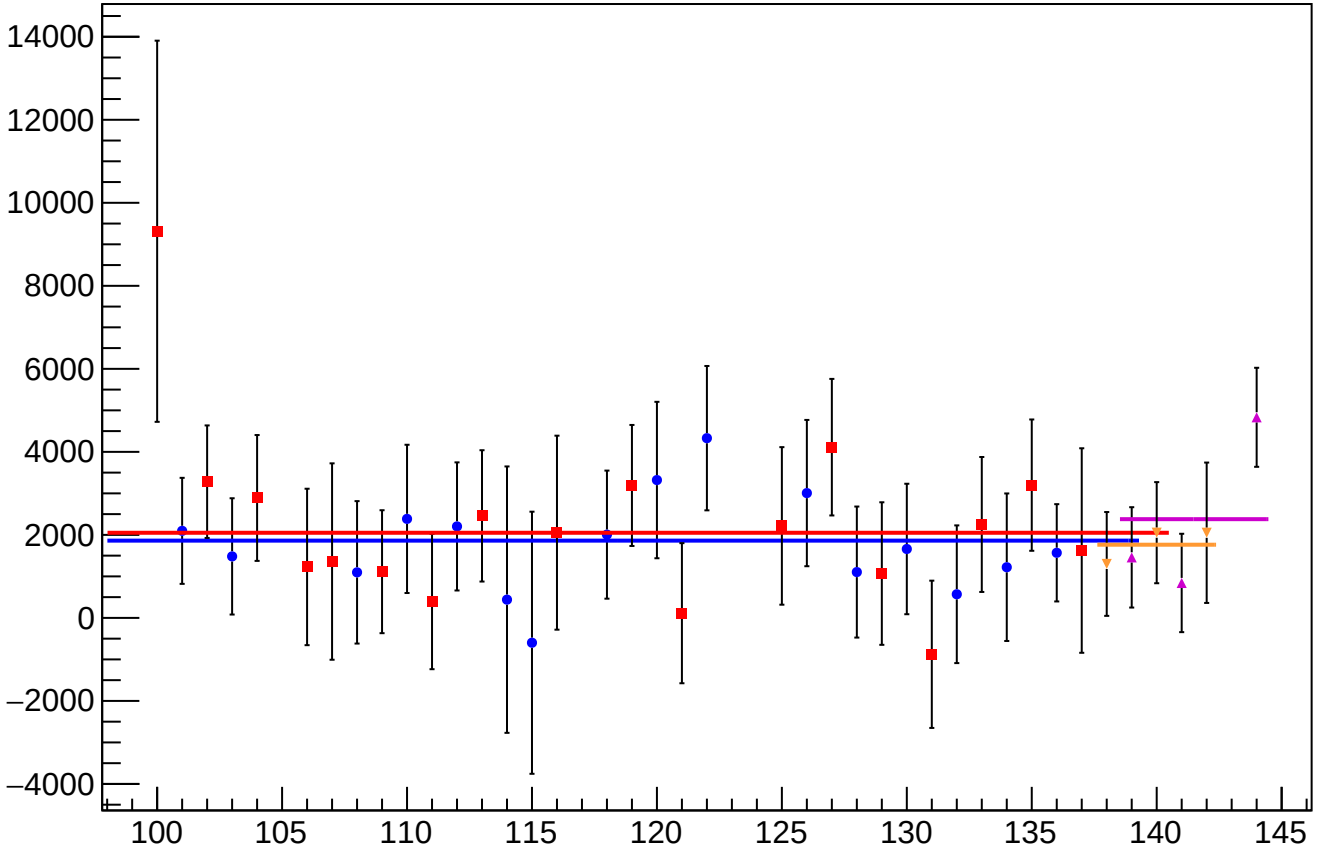
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 965.357+/-0.231 χ^2/NDF:2080118.2/18

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

All: 957.192+/-0.164 χ^2/NDF: 4038244.2/39

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

Left In: 2378.509+/-690.170 χ^2/NDF:6.5/2

Left: 2106.513+/-515.555 χ^2/NDF: 7.1/5

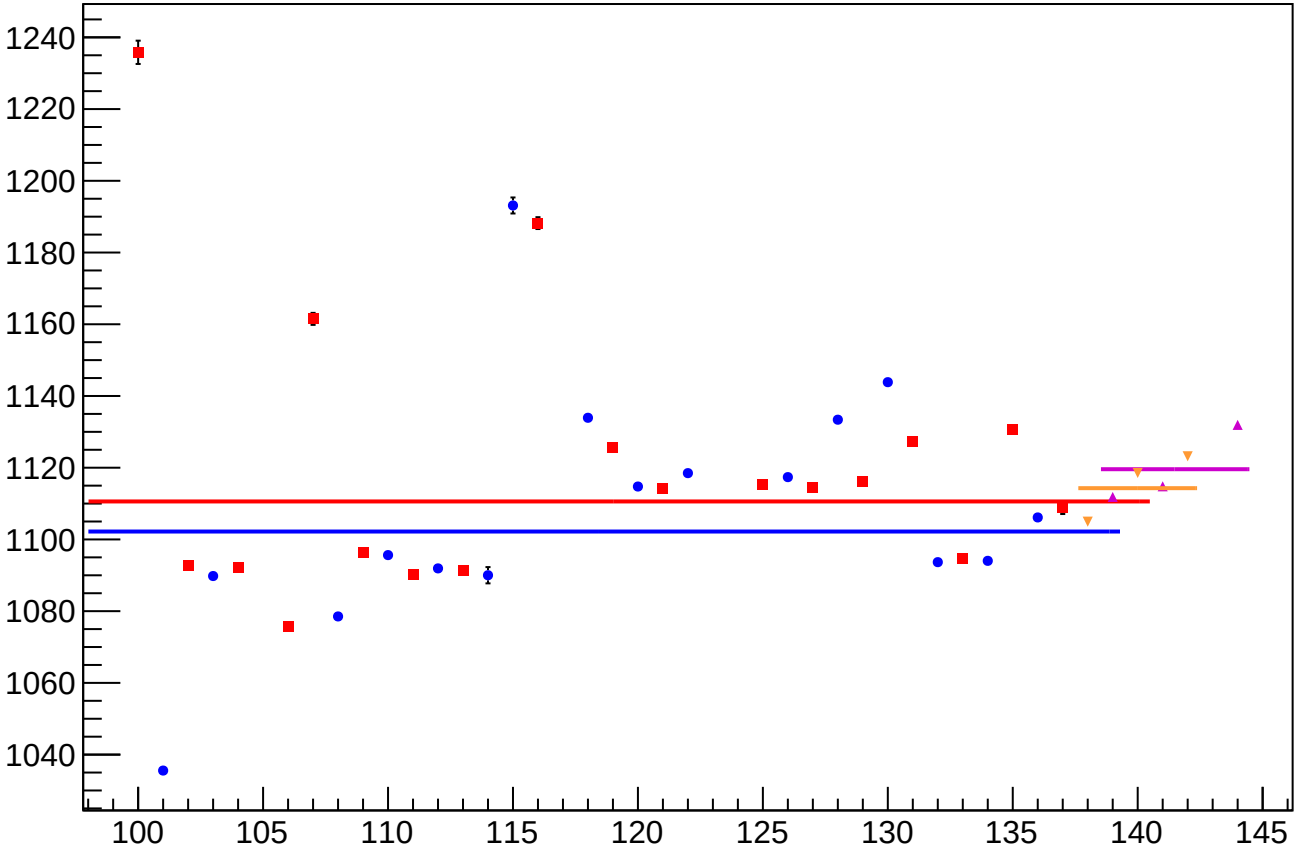
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1996.148+/-352.190 χ^2/NDF:12.2/18

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1992.266+/-252.412 χ^2/NDF: 25.1/39

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

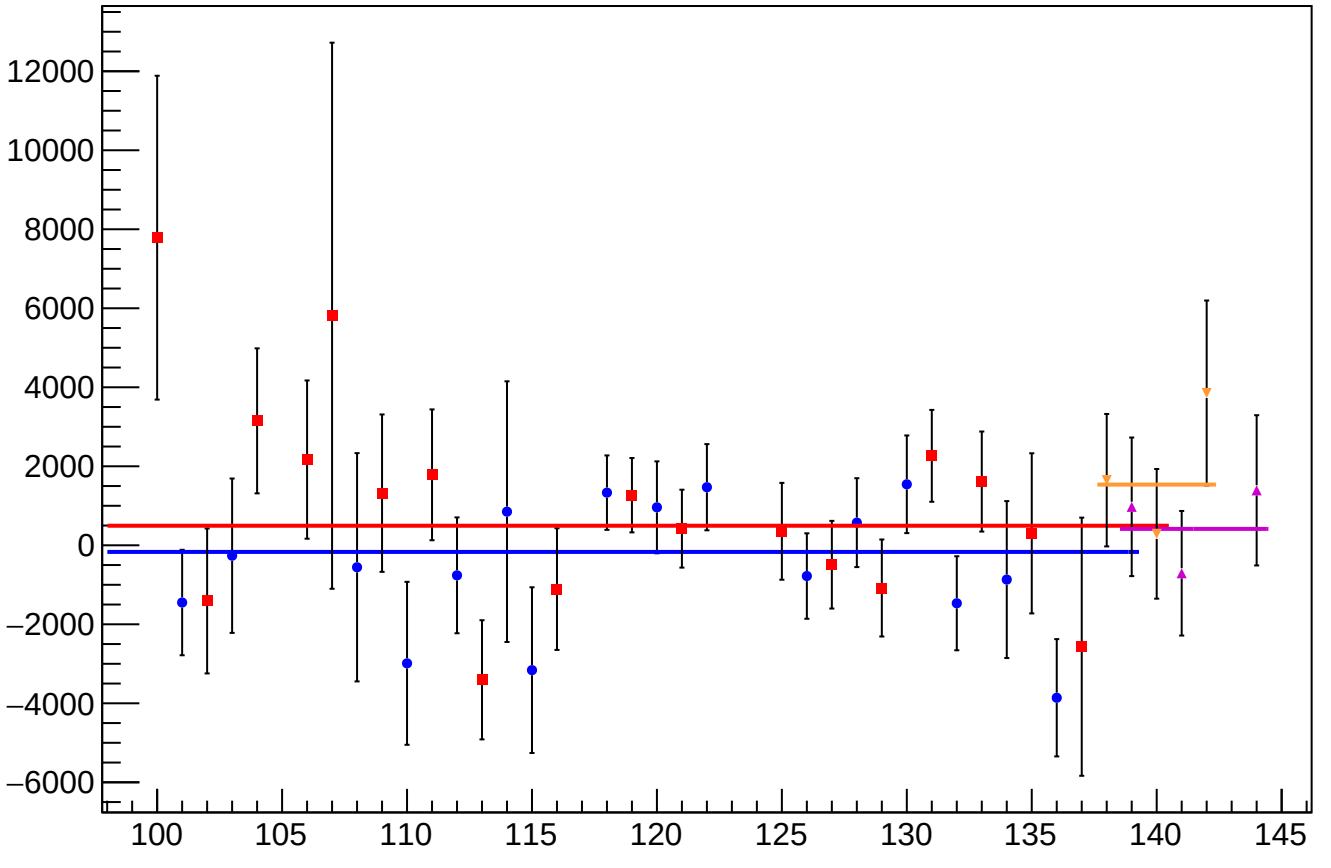
Left: 1117.244+/-0.365 χ^2/NDF: 572.2/5

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

In: 1106.730+/-0.249 χ^2/NDF:12615.8/18

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1109.000+/-0.178 χ^2/NDF: 20709.5/39



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

Left In: 415.055+/-998.218 χ^2/NDF:0.9/2

Left: 948.276+/-723.014 χ^2/NDF: 3.0/5

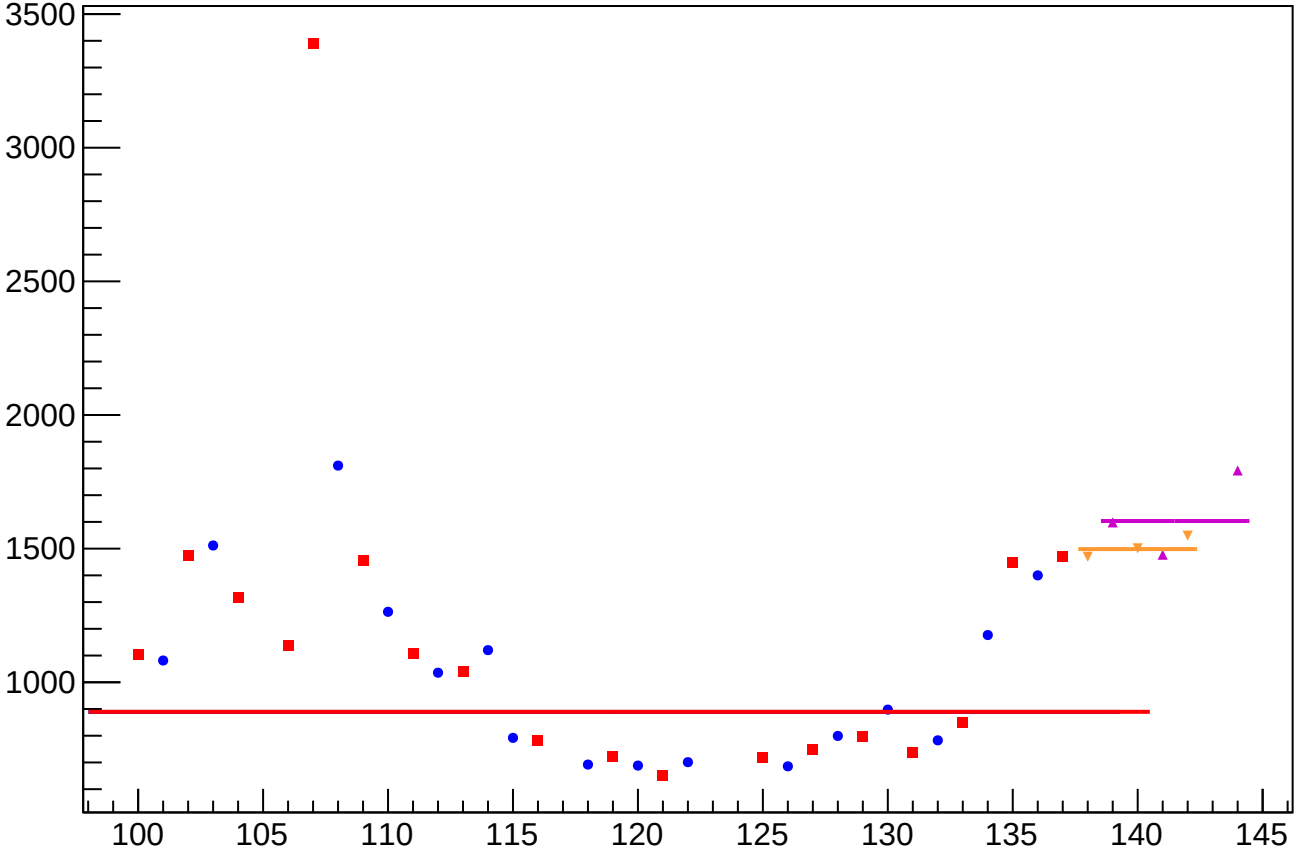
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -105.546+/-326.447 χ^2/NDF:22.2/18

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 244.274+/-231.298 χ^2/NDF: 50.2/39

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

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

Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

Left: 1553.416+/-0.511 χ^2/NDF: 44618.0/5

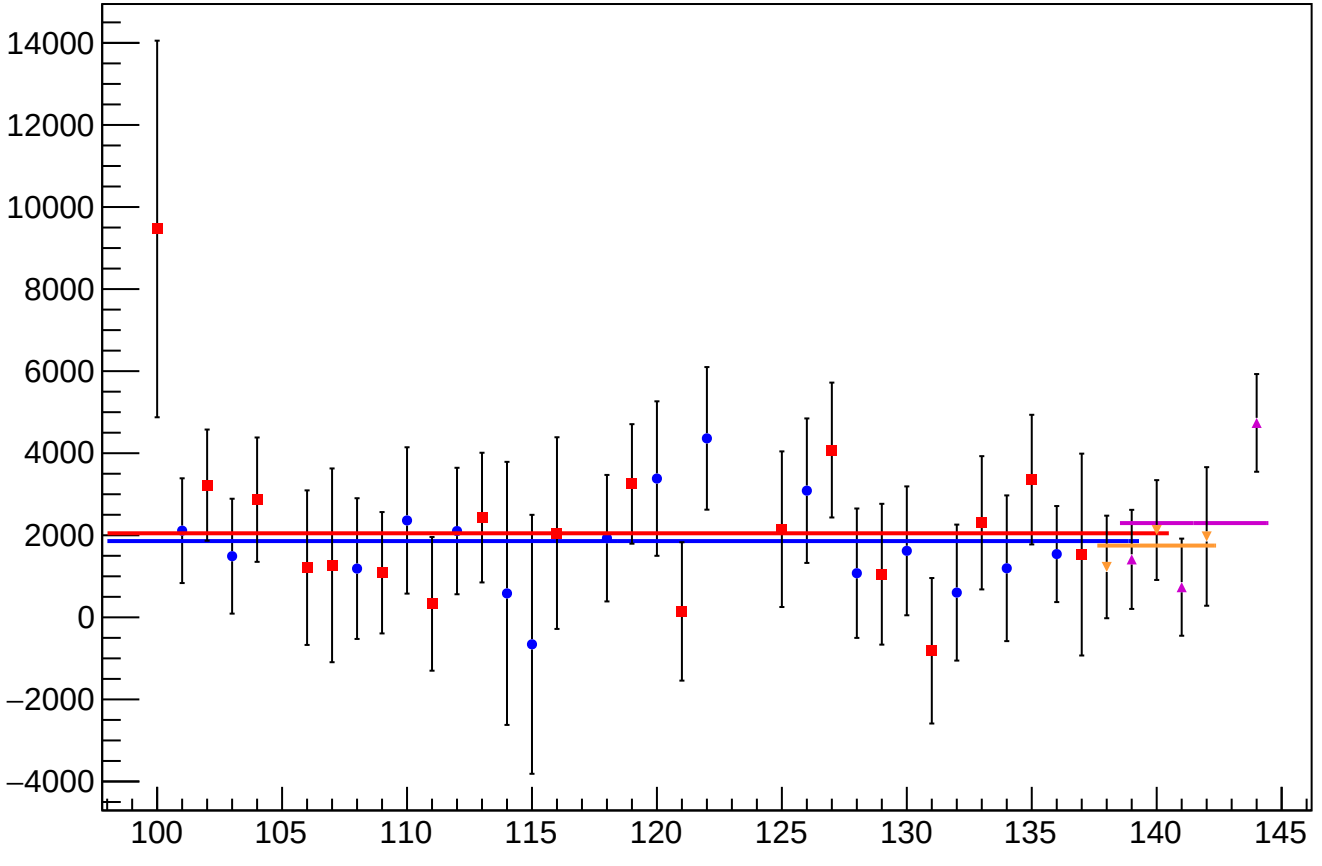
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 965.357+/-0.231 χ^2/NDF:2080118.2/18

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

All: 957.192+/-0.164 χ^2/NDF: 4038244.2/39

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1749.309+/-774.576 χ^2/NDF:0.3/2

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

Left In: 2297.359+/-689.216 χ^2/NDF:6.5/2

Left: 2055.185+/-514.894 χ^2/NDF: 7.1/5

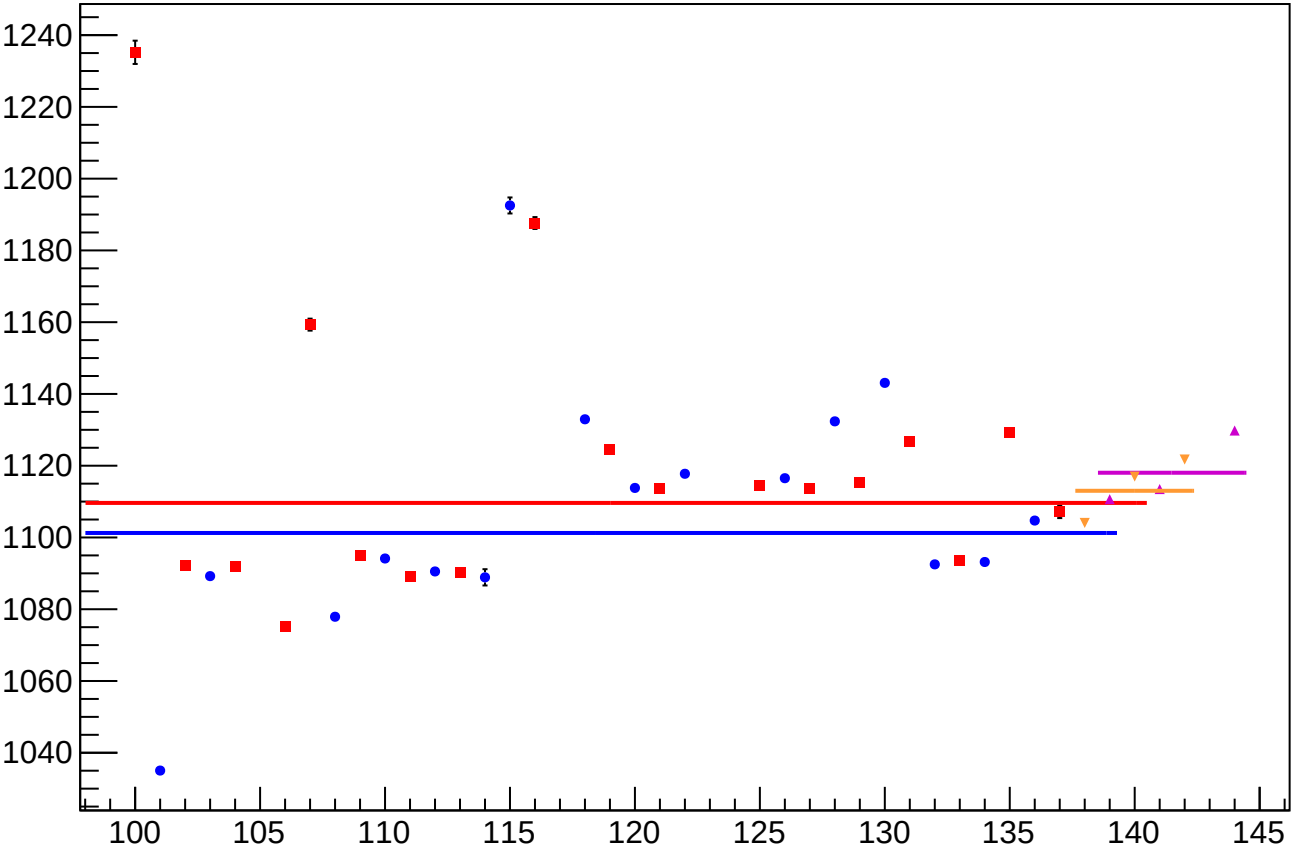
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1973.002+/-351.838 χ^2/NDF:12.2/18

Out: 1983.431+/-361.602 χ^2/NDF:13.1/20

All: 1978.074+/-252.168 χ^2/NDF: 25.4/39

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.010+/-0.548 χ^2/NDF:177.3/2

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

Left In: 1118.039+/-0.487 χ^2/NDF:299.4/2

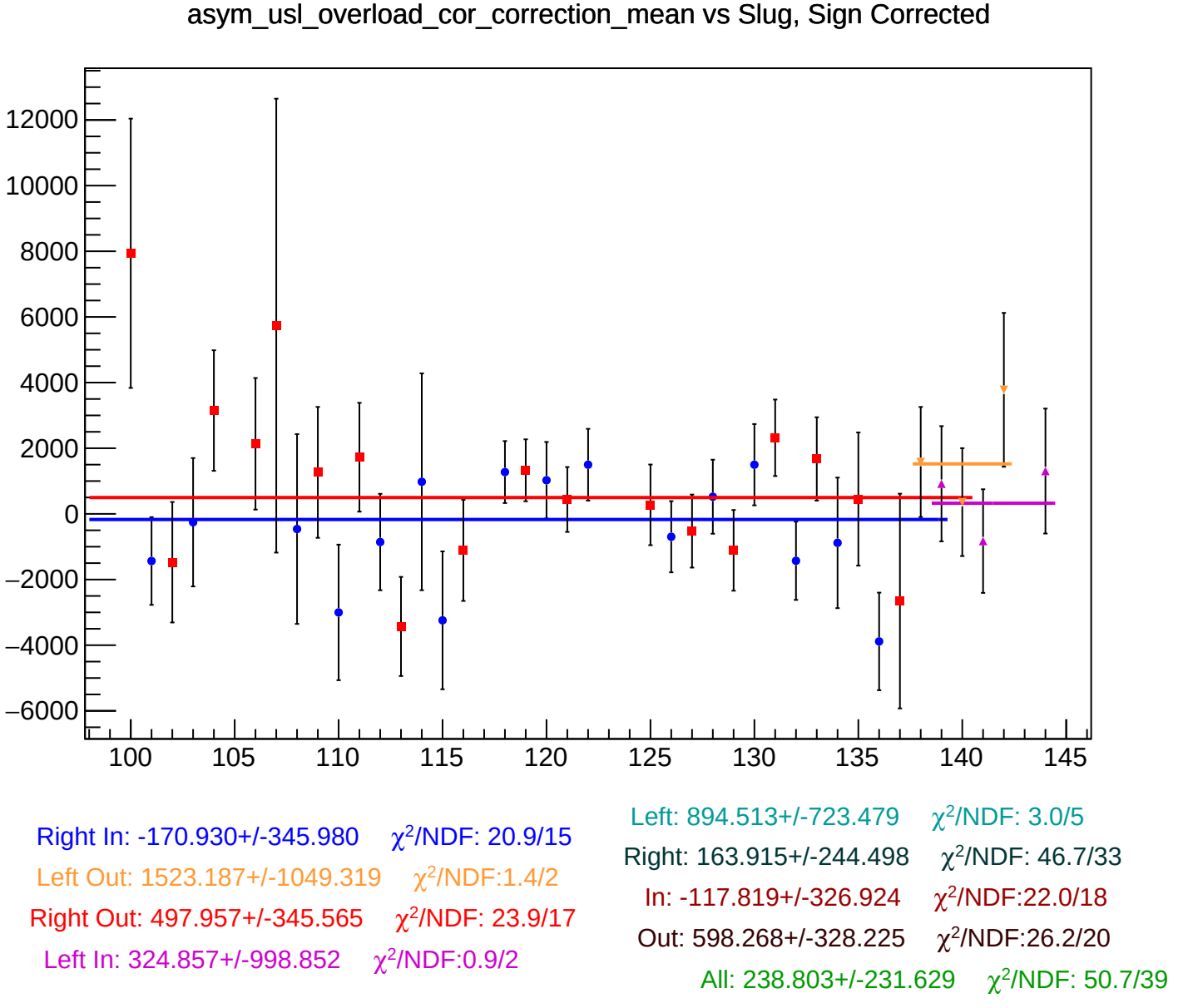
Left: 1115.817+/-0.364 χ^2/NDF: 523.8/5

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

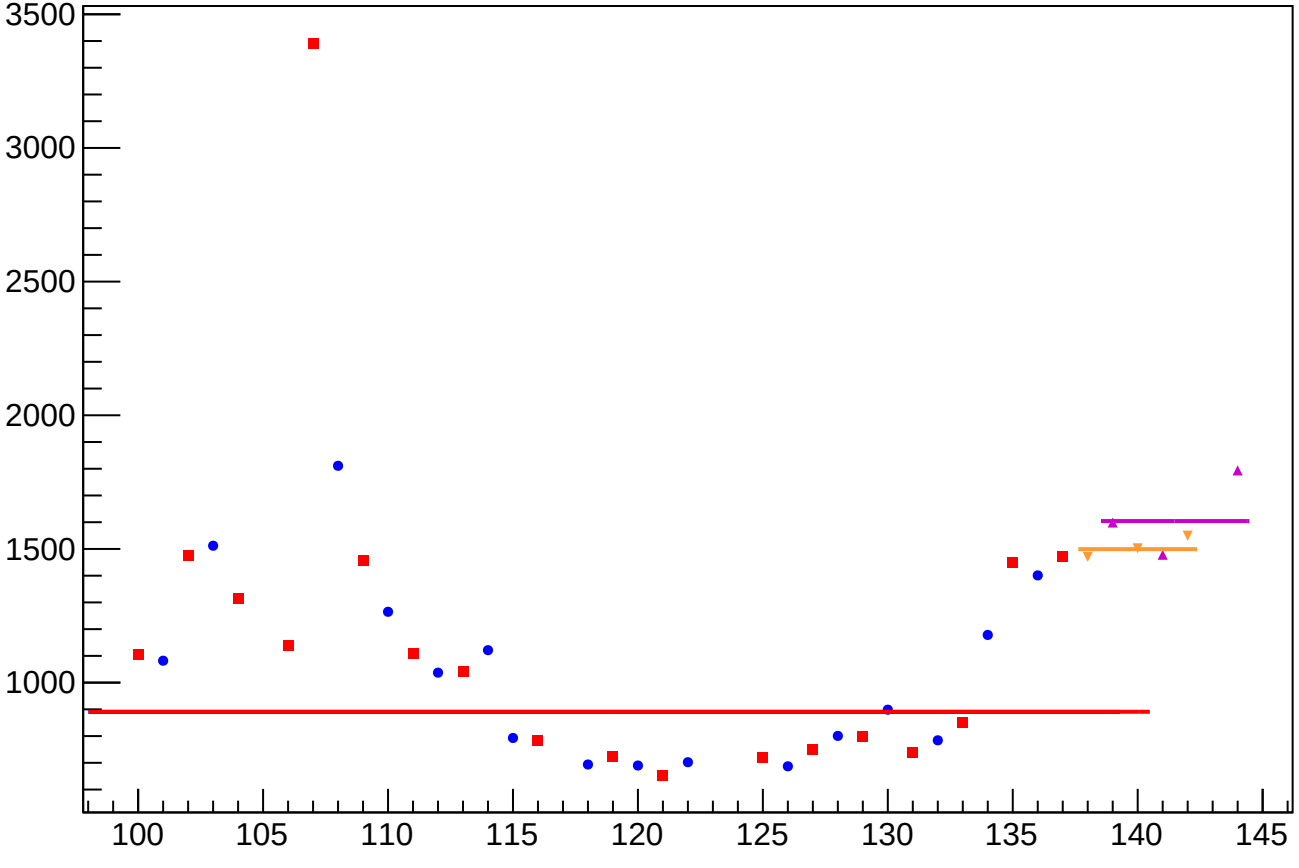
In: 1105.629+/-0.249 χ^2/NDF:12484.8/18

Out: 1110.365+/-0.256 χ^2/NDF:7880.2/20

All: 1107.932+/-0.178 χ^2/NDF: 20541.2/39


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
145
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: 1523.187+/-1049.319 χ²/NDF:1.4/2
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 324.857+/-998.852 χ²/NDF:0.9/2
Left: 894.513+/-723.479 χ²/NDF: 3.0/5
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: -117.819+/-326.924 χ²/NDF:22.0/18
Out: 598.268+/-328.225 χ²/NDF:26.2/20
All: 238.803+/-231.629 χ²/NDF: 50.7/39

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1499.319+/-0.742 χ^2/NDF:1520.9/2

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

Left In: 1604.361+/-0.706 χ^2/NDF:32605.3/2

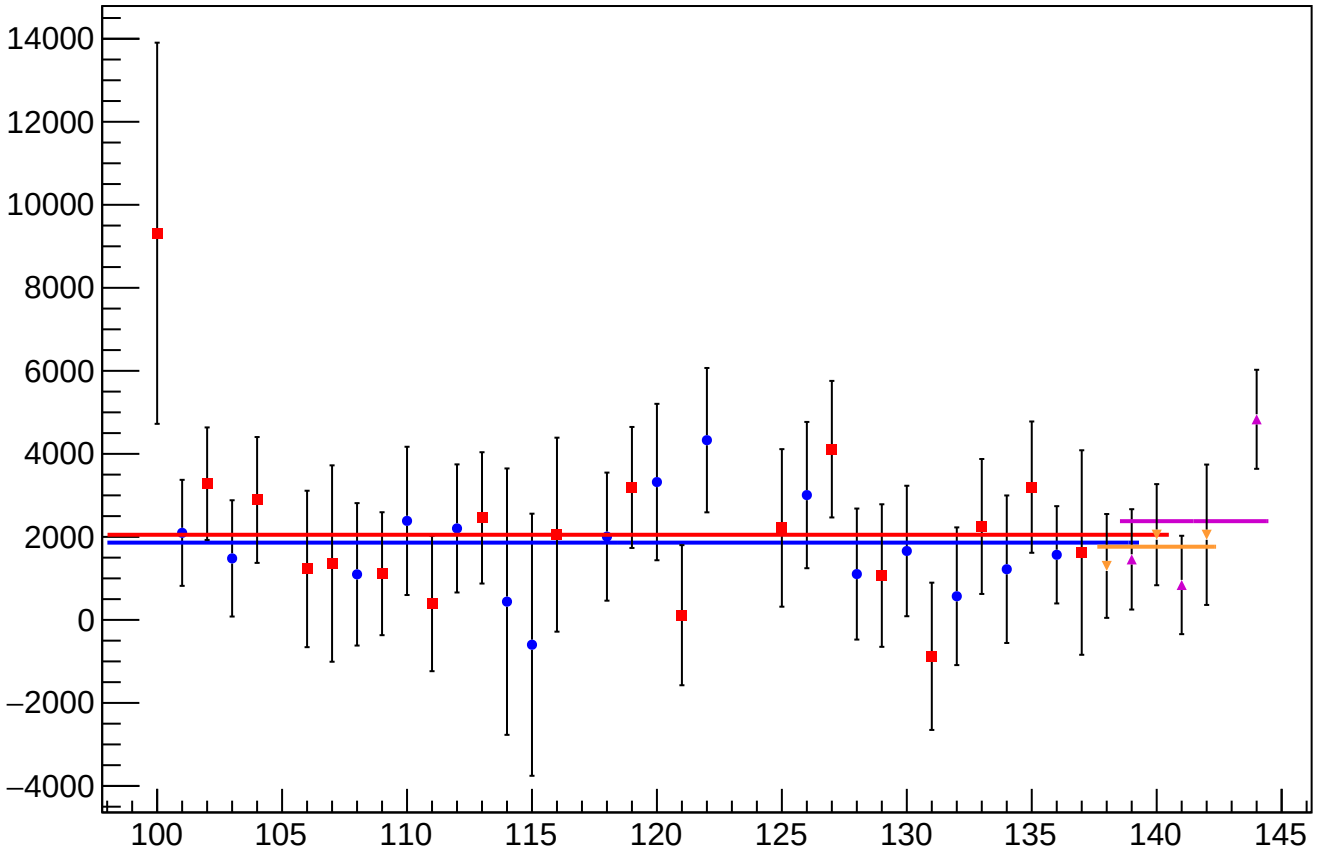
Left: 1554.427+/-0.512 χ^2/NDF: 44640.8/5

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

In: 966.968+/-0.231 χ^2/NDF:2073466.2/18

Out: 950.464+/-0.232 χ^2/NDF:1949849.4/20

All: 958.749+/-0.164 χ^2/NDF: 4025854.0/39



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

Left In: 2378.509+/-690.170 χ^2/NDF:6.5/2

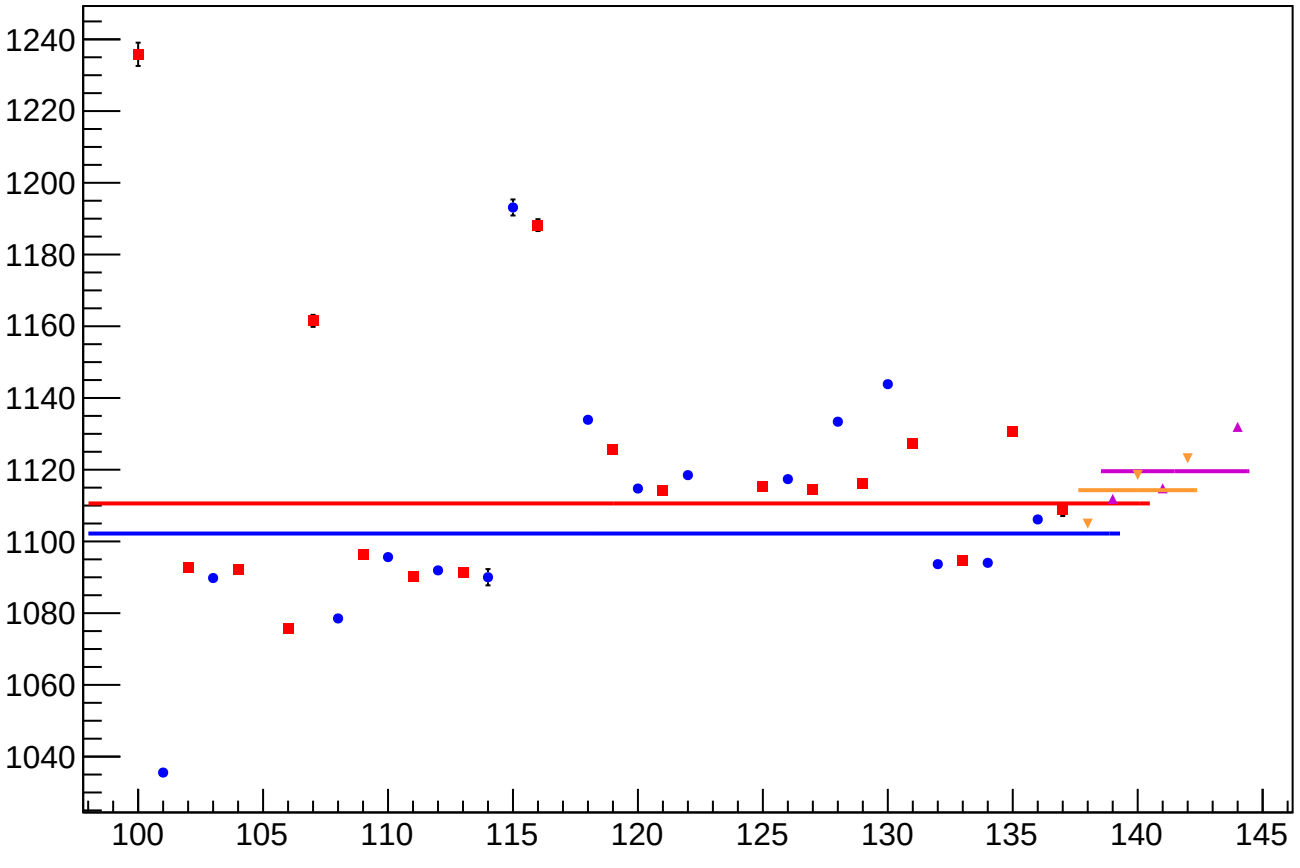
Left: 2106.513+/-515.555 χ^2/NDF: 7.1/5

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

In: 1996.148+/-352.190 χ^2/NDF:12.2/18

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1992.266+/-252.412 χ^2/NDF: 25.1/39



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

Left In: 1119.581+/-0.488 χ^2/NDF:329.2/2

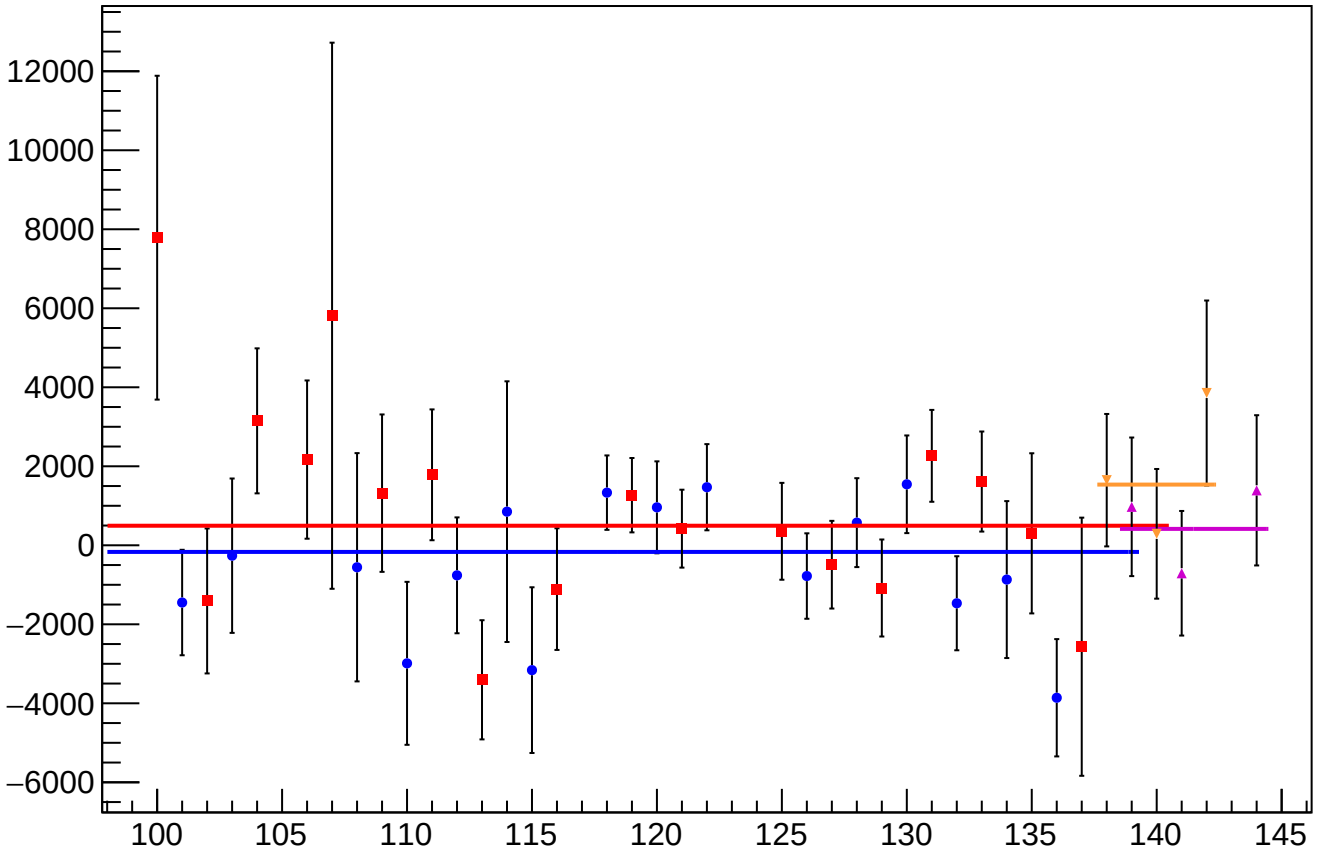
Left: 1117.244+/-0.365 χ^2/NDF: 572.2/5

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

In: 1106.730+/-0.249 χ^2/NDF:12615.8/18

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1109.000+/-0.178 χ^2/NDF: 20709.5/39



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

Left Out: 1536.724+/-1048.639 χ^2/NDF:1.6/2

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

Left In: 415.055+/-998.218 χ^2/NDF:0.9/2

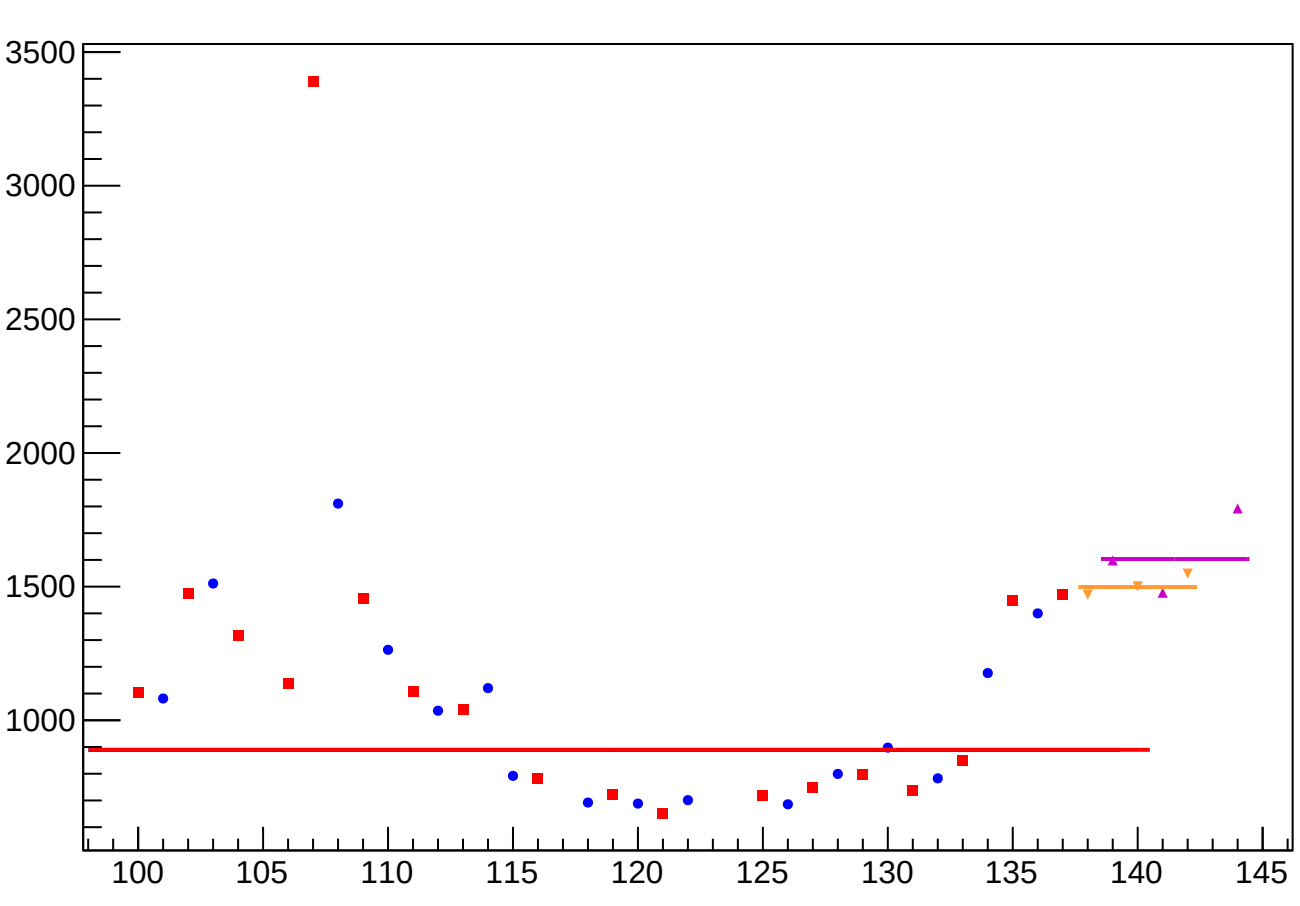
Left: 948.276+/-723.014 χ^2/NDF: 3.0/5

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

In: -105.546+/-326.447 χ^2/NDF:22.2/18

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 244.274+/-231.298 χ^2/NDF: 50.2/39



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

Left Out: 1498.329+/-0.741 χ^2/NDF:1512.2/2

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

Left In: 1603.332+/-0.706 χ^2/NDF:32585.6/2

Left: 1553.416+/-0.511 χ^2/NDF: 44618.0/5

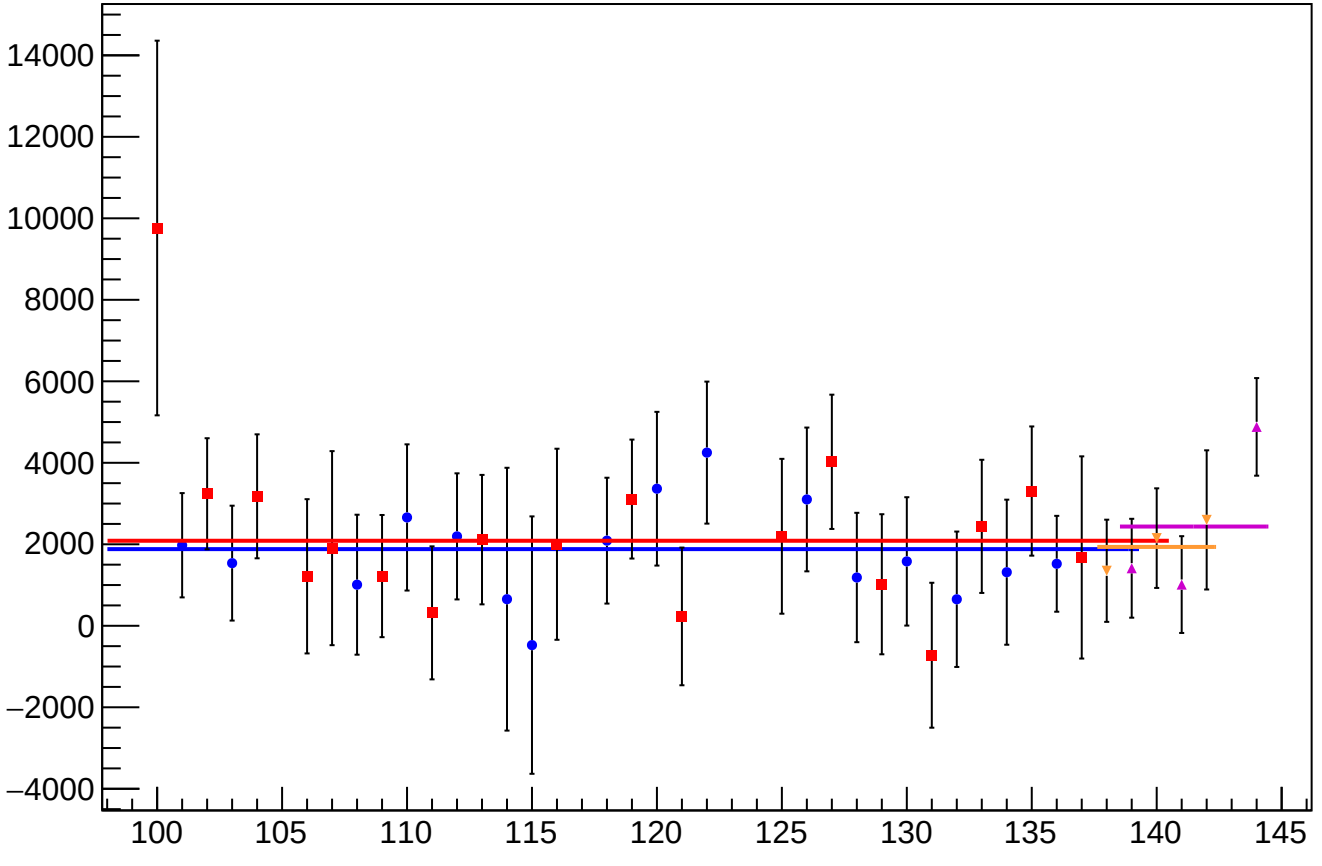
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 965.357+/-0.231 χ^2/NDF:2080118.2/18

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

All: 957.192+/-0.164 χ^2/NDF: 4038244.2/39

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1935.130+/-778.886 χ^2/NDF:0.4/2

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

Left In: 2435.604+/-692.514 χ^2/NDF:6.3/2

Left: 2214.644+/-517.535 χ^2/NDF: 6.9/5

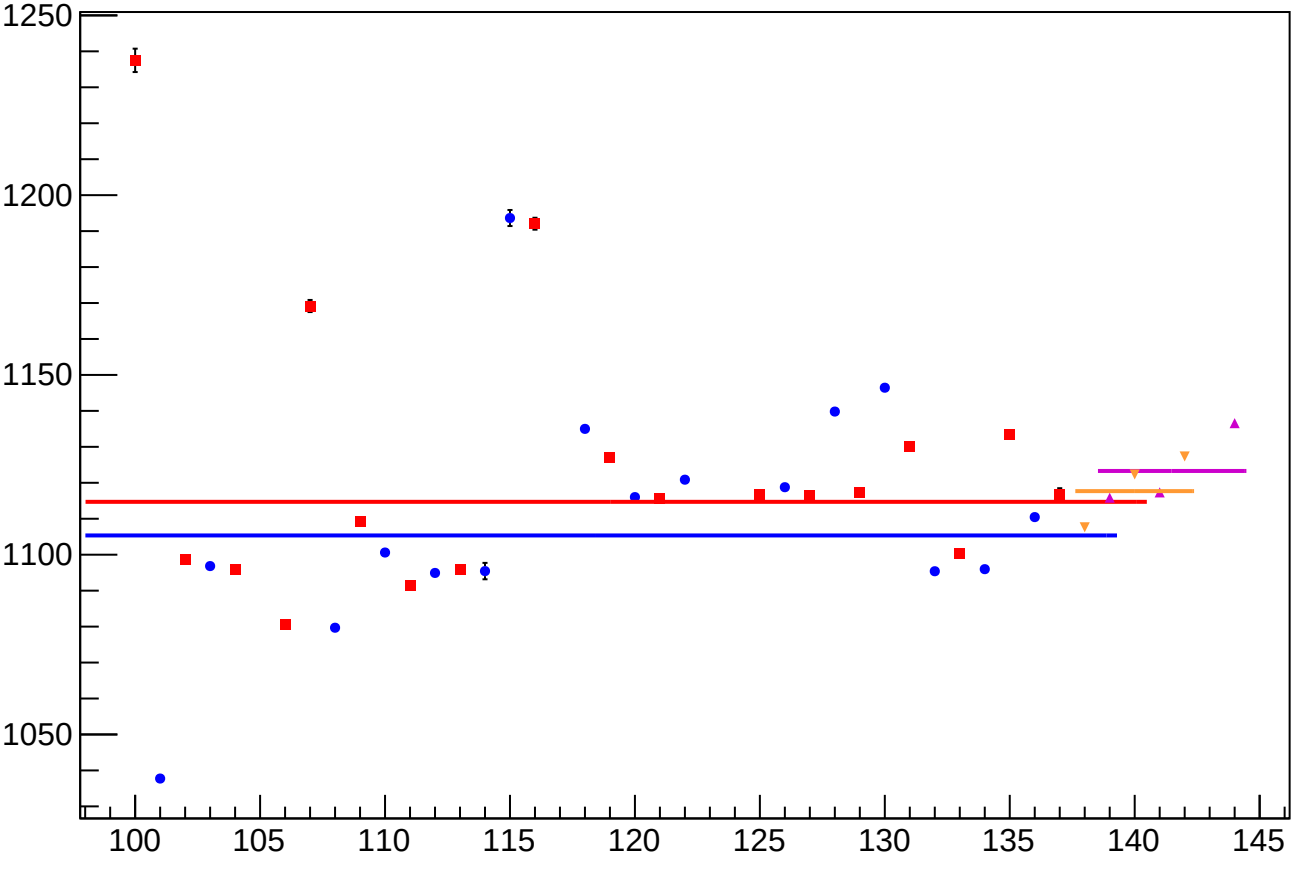
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 2025.695+/-353.250 χ^2/NDF:12.0/18

Out: 2053.861+/-363.349 χ^2/NDF:12.8/20

All: 2039.381+/-253.280 χ^2/NDF: 24.8/39

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1117.683+/-0.551 χ^2/NDF:221.3/2

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1123.289+/-0.490 χ^2/NDF:371.9/2

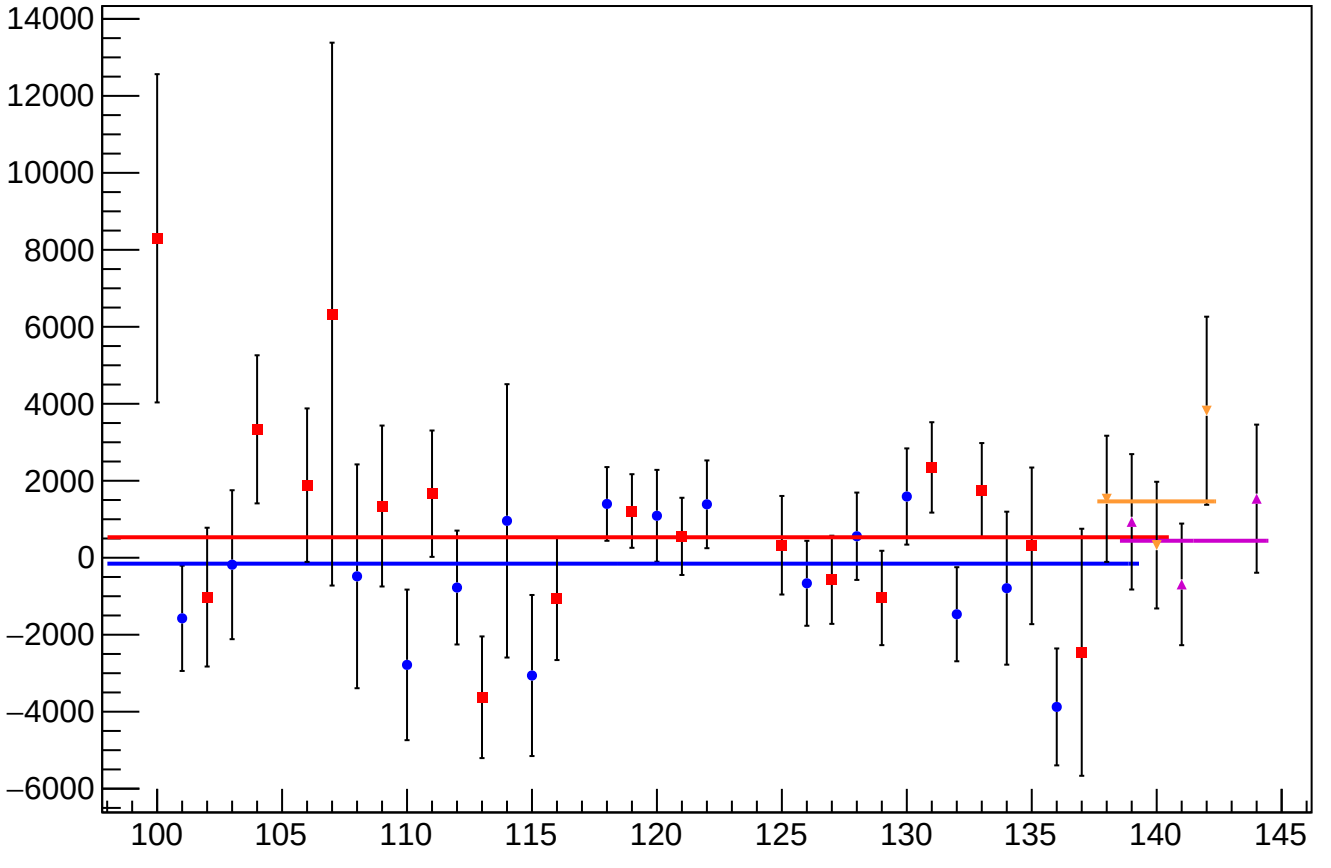
Left: 1120.814+/-0.366 χ^2/NDF: 651.1/5

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

In: 1110.022+/-0.250 χ^2/NDF:12695.2/18

Out: 1115.353+/-0.257 χ^2/NDF:7574.5/20

All: 1112.612+/-0.179 χ^2/NDF: 20491.0/39



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

Left Out: 1464.056+/-1048.887 χ^2/NDF:1.4/2

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

Left In: 441.307+/-1003.022 χ^2/NDF:0.9/2

Left: 929.832+/-724.916 χ^2/NDF: 2.8/5

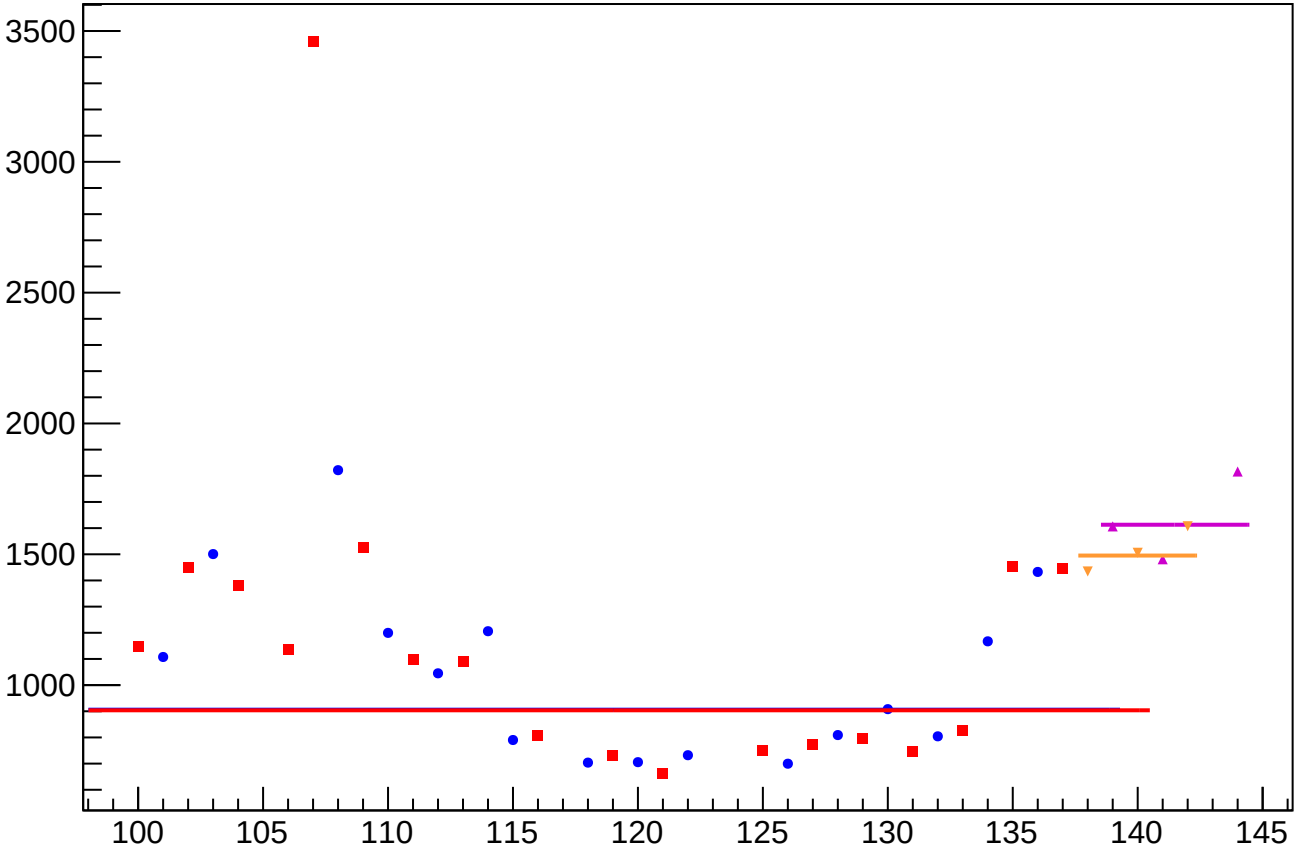
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: -88.947+/-331.567 χ^2/NDF:21.7/18

Out: 625.719+/-332.351 χ^2/NDF:25.3/20

All: 267.542+/-234.730 χ^2/NDF: 49.3/39

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1495.181+/-0.742 χ^2/NDF:7034.2/2

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

Left In: 1612.947+/-0.709 χ^2/NDF:36321.5/2

Left: 1556.695+/-0.513 χ^2/NDF: 56525.1/5

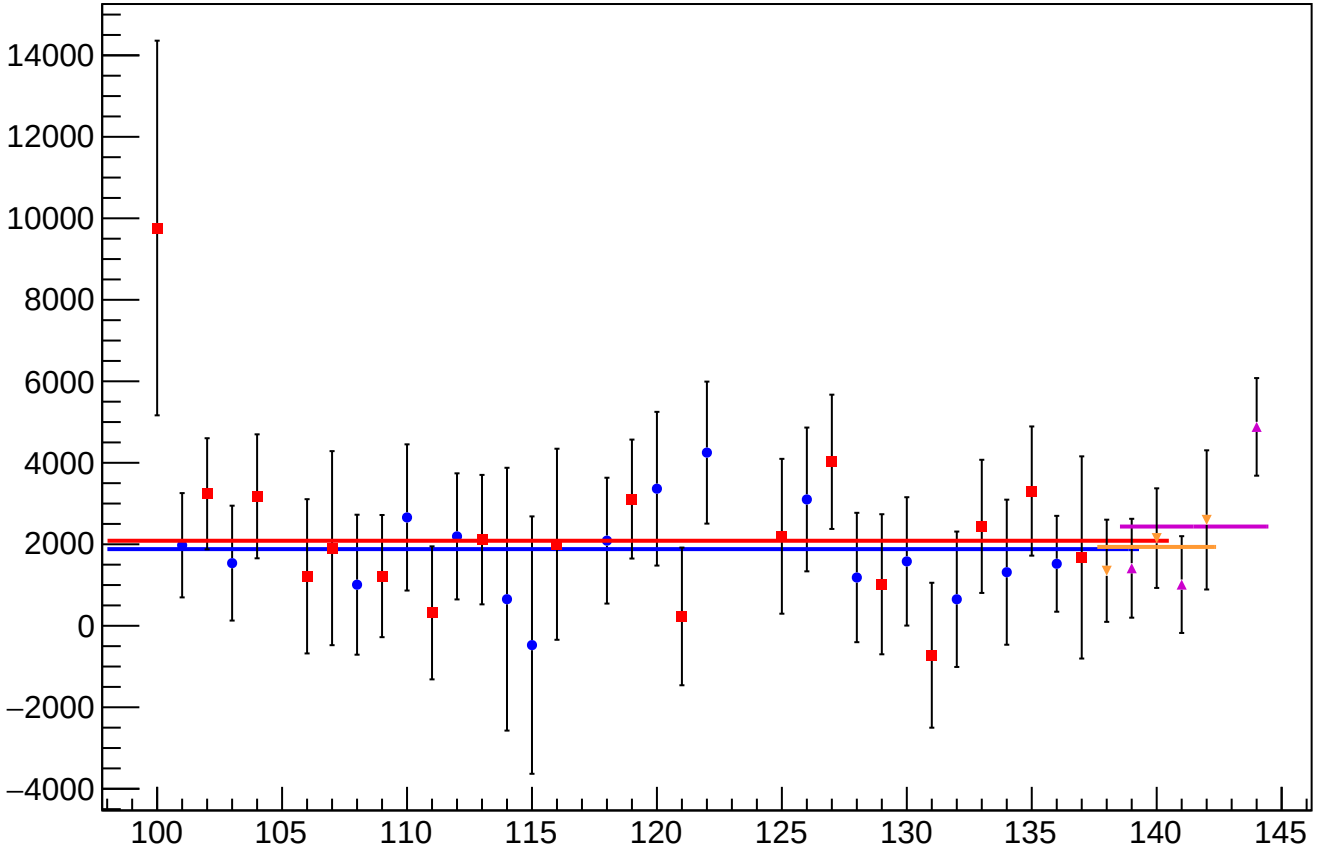
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 983.284+/-0.234 χ^2/NDF:2000632.9/18

Out: 963.133+/-0.235 χ^2/NDF:1919055.2/20

All: 973.232+/-0.166 χ^2/NDF: 3923372.9/39

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1935.133+/-778.885 χ^2/NDF:0.4/2

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

Left In: 2435.605+/-692.514 χ^2/NDF:6.3/2

Left: 2214.646+/-517.535 χ^2/NDF: 6.9/5

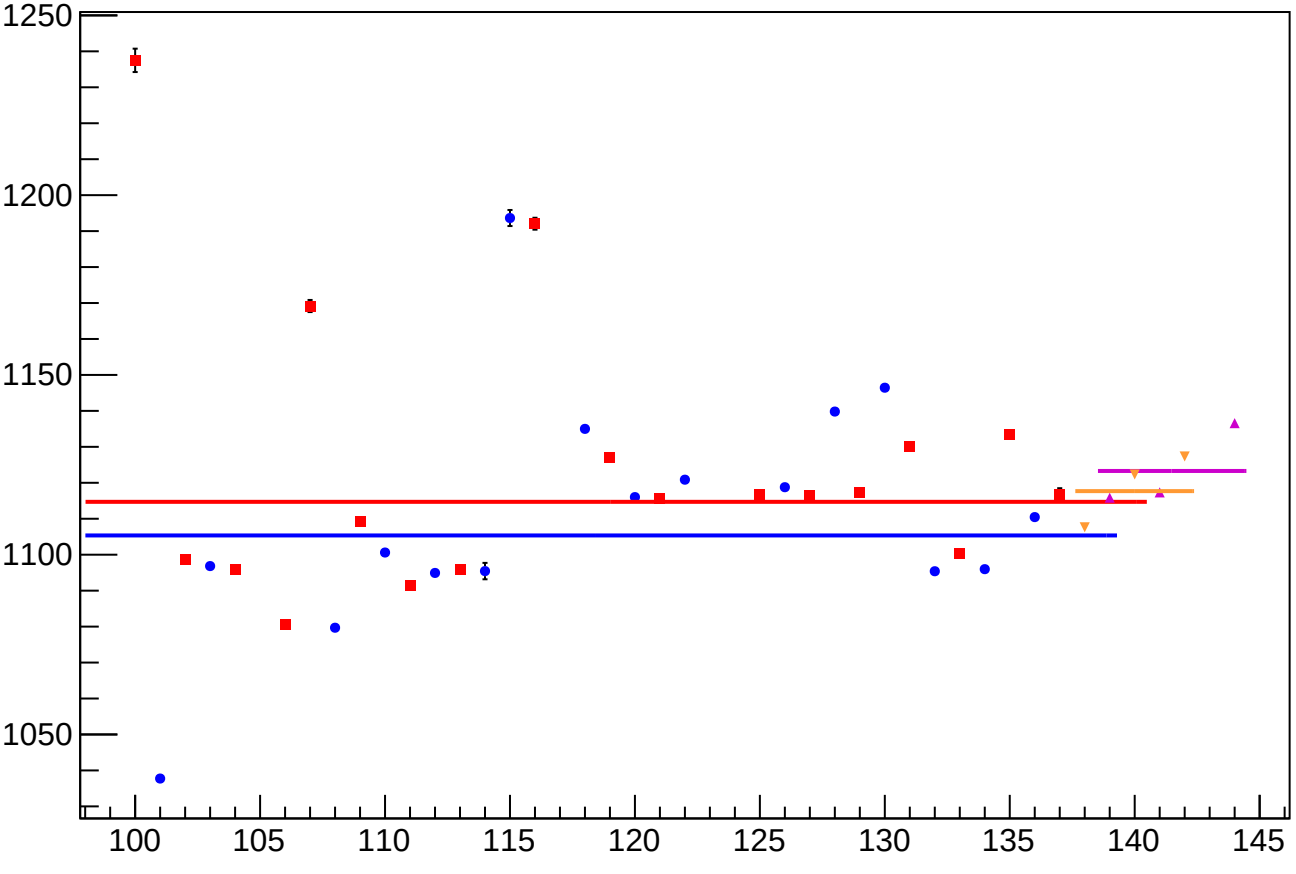
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 2025.695+/-353.250 χ^2/NDF:12.0/18

Out: 2053.860+/-363.349 χ^2/NDF:12.8/20

All: 2039.381+/-253.280 χ^2/NDF: 24.8/39

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1117.683+/-0.551 χ^2/NDF:221.3/2

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

Left In: 1123.289+/-0.490 χ^2/NDF:371.9/2

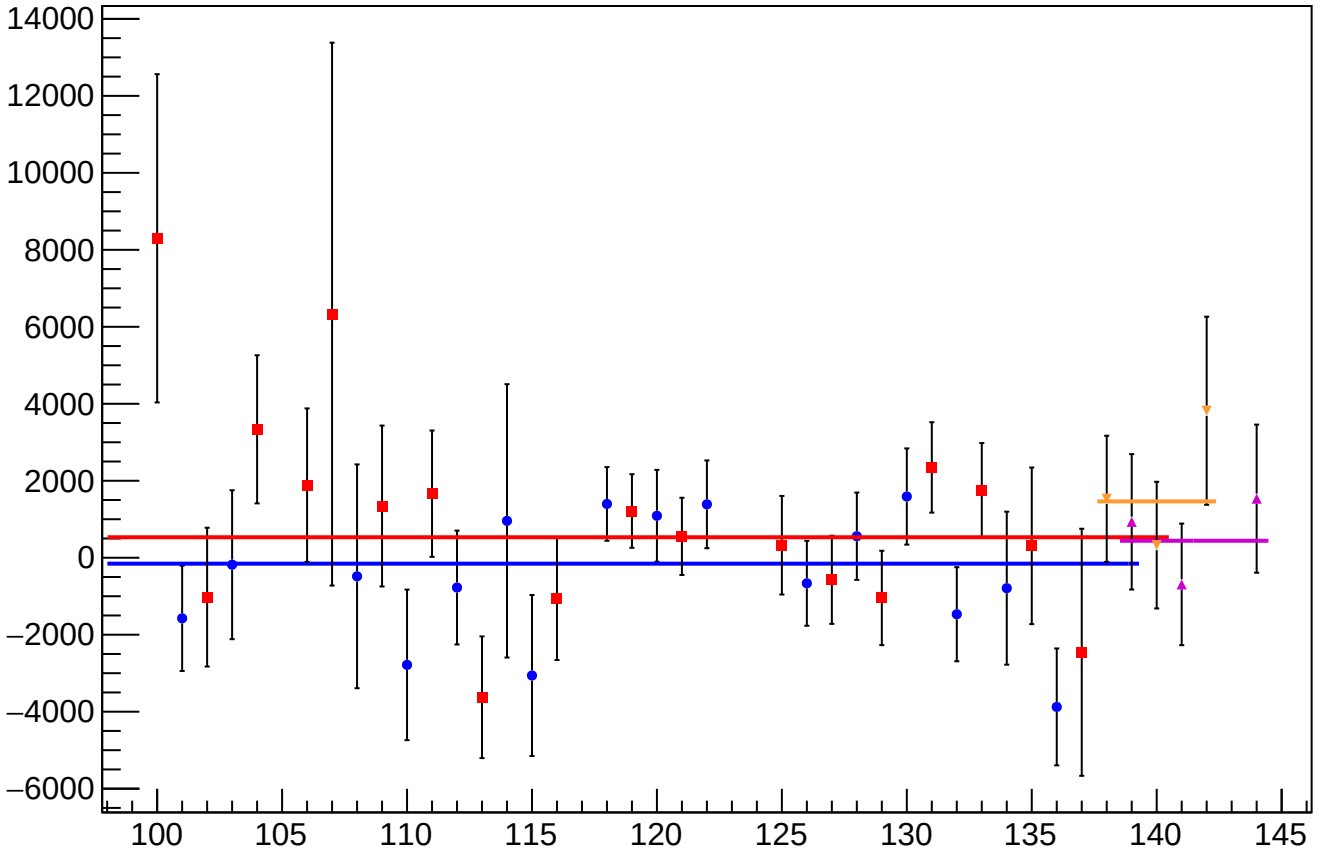
Left: 1120.814+/-0.366 χ^2/NDF: 651.1/5

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

In: 1110.022+/-0.250 χ^2/NDF:12695.2/18

Out: 1115.353+/-0.257 χ^2/NDF:7574.4/20

All: 1112.612+/-0.179 χ^2/NDF: 20491.0/39



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

Left Out: 1464.059+/-1048.888 χ^2/NDF:1.4/2

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

Left In: 441.308+/-1003.023 χ^2/NDF:0.9/2

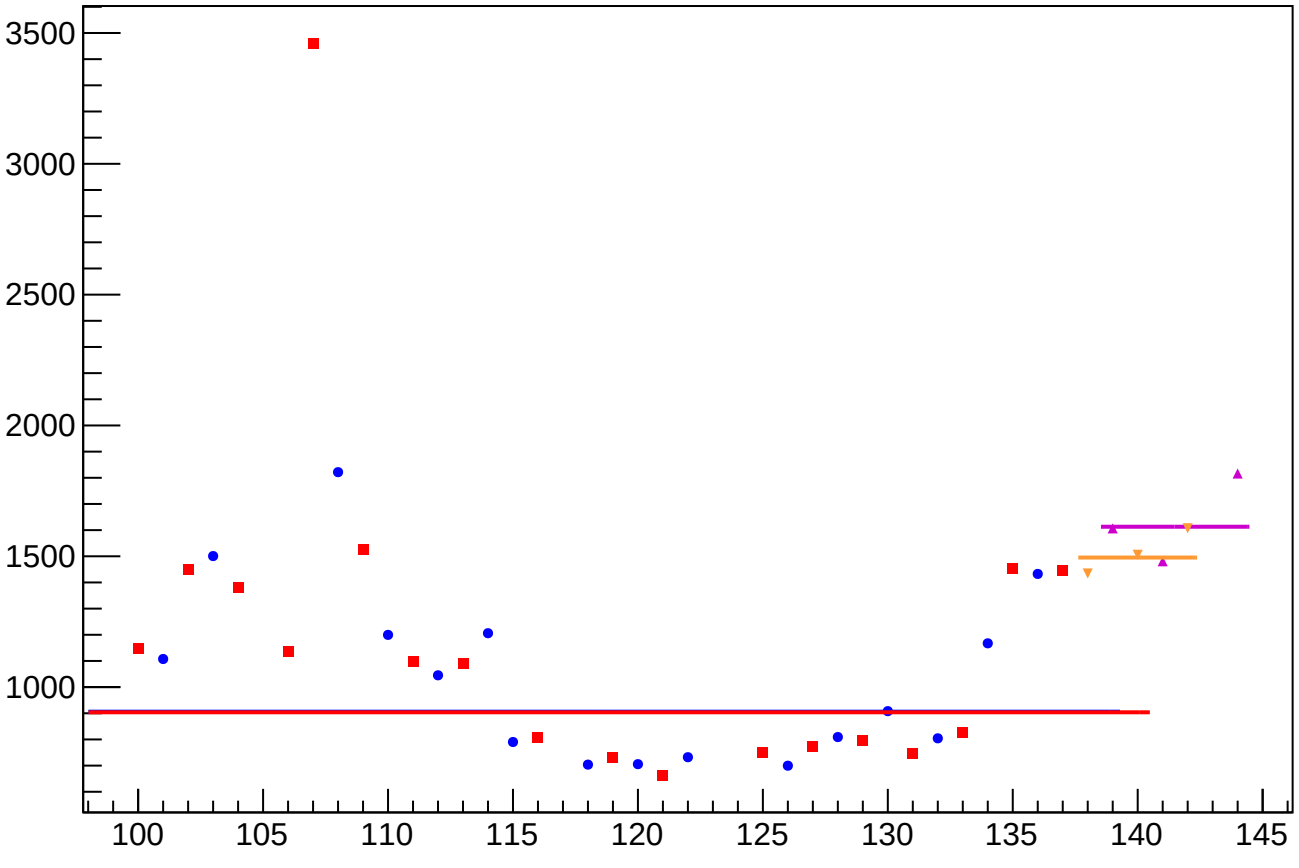
Left: 929.834+/-724.917 χ^2/NDF: 2.8/5

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

In: -88.946+/-331.567 χ^2/NDF:21.7/18

Out: 625.718+/-332.351 χ^2/NDF:25.3/20

All: 267.542+/-234.730 χ^2/NDF: 49.3/39



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

Left Out: 1495.183+/-0.742 χ^2/NDF:7034.0/2

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

Left In: 1612.949+/-0.709 χ^2/NDF:36321.6/2

Left: 1556.697+/-0.513 χ^2/NDF: 56524.9/5

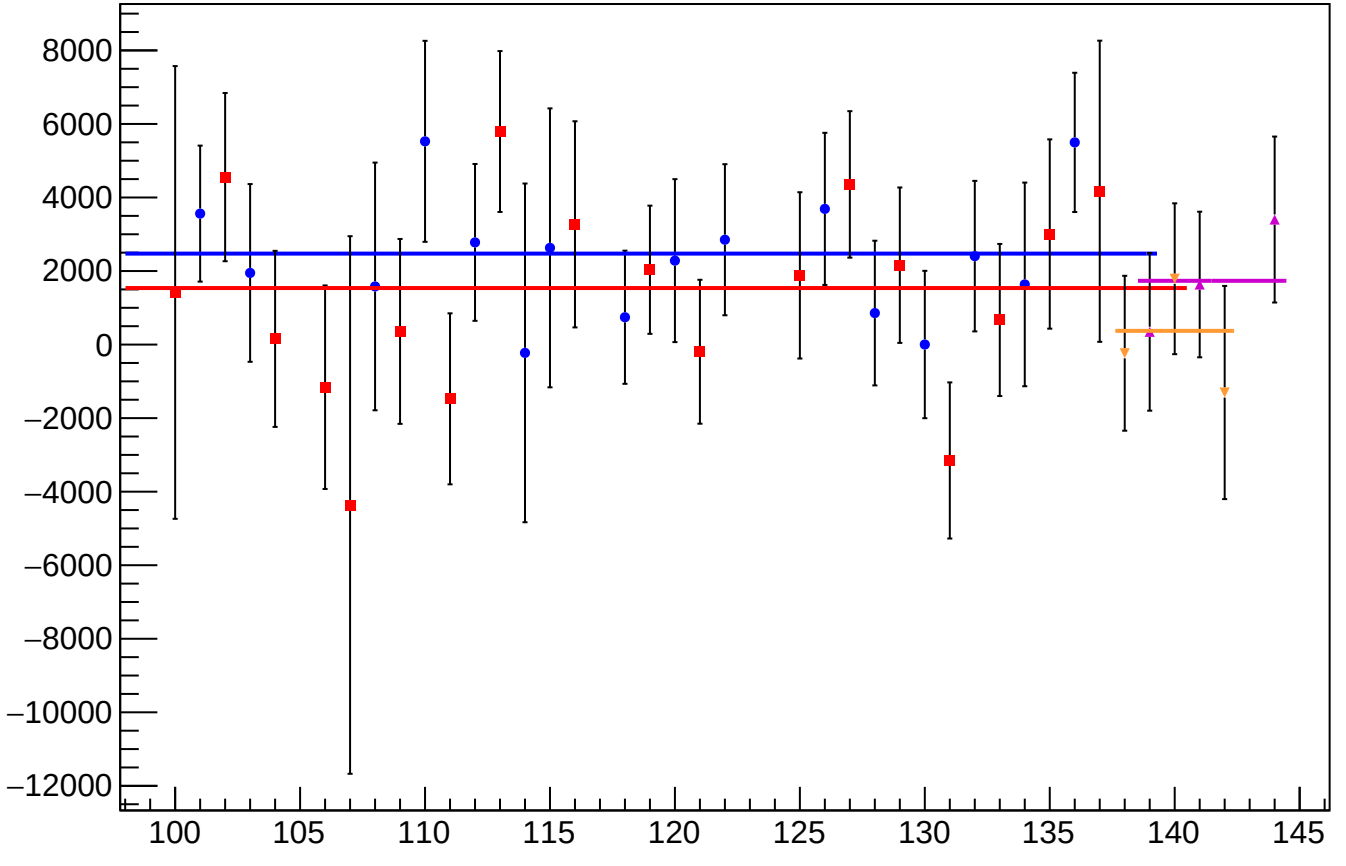
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 983.282+/-0.234 χ^2/NDF:2000646.0/18

Out: 963.131+/-0.235 χ^2/NDF:1919064.8/20

All: 973.230+/-0.166 χ^2/NDF: 3923395.7/39

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 373.135+/-1310.631 χ^2/NDF:0.9/2

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1734.395+/-1222.718 χ^2/NDF:1.0/2

Left: 1100.948+/-894.057 χ^2/NDF: 2.4/5

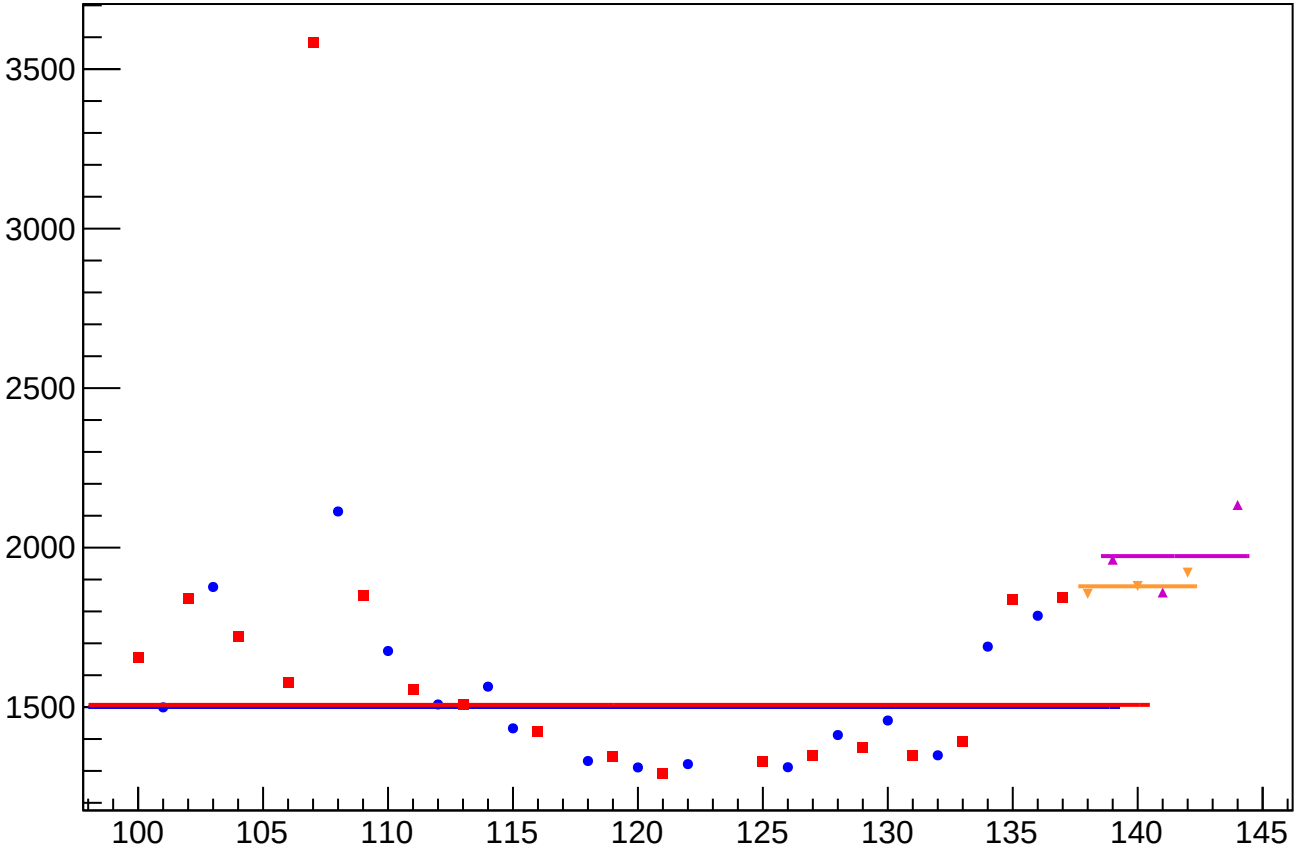
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2344.755+/-511.240 χ^2/NDF:9.5/18

Out: 1355.758+/-517.724 χ^2/NDF:20.1/20

All: 1856.489+/-363.772 χ^2/NDF: 31.4/39

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1878.721+/-0.927 χ^2/NDF:686.7/2

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

Left In: 1973.433+/-0.865 χ^2/NDF:16779.6/2

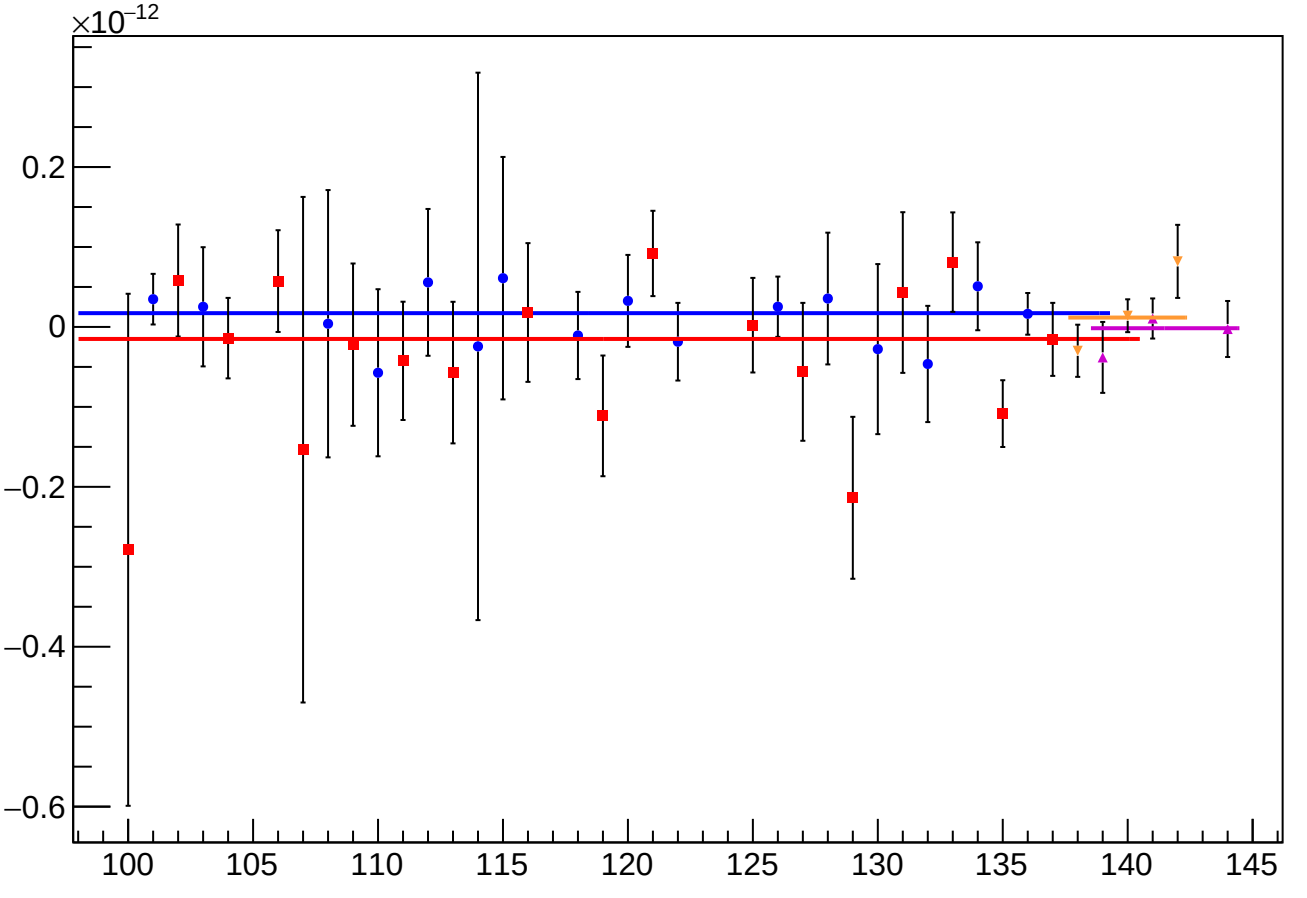
Left: 1929.360+/-0.632 χ^2/NDF: 23050.4/5

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

In: 1583.078+/-0.362 χ^2/NDF:522602.1/18

Out: 1565.086+/-0.366 χ^2/NDF:537619.9/20

All: 1574.195+/-0.257 χ^2/NDF: 1061444.8/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

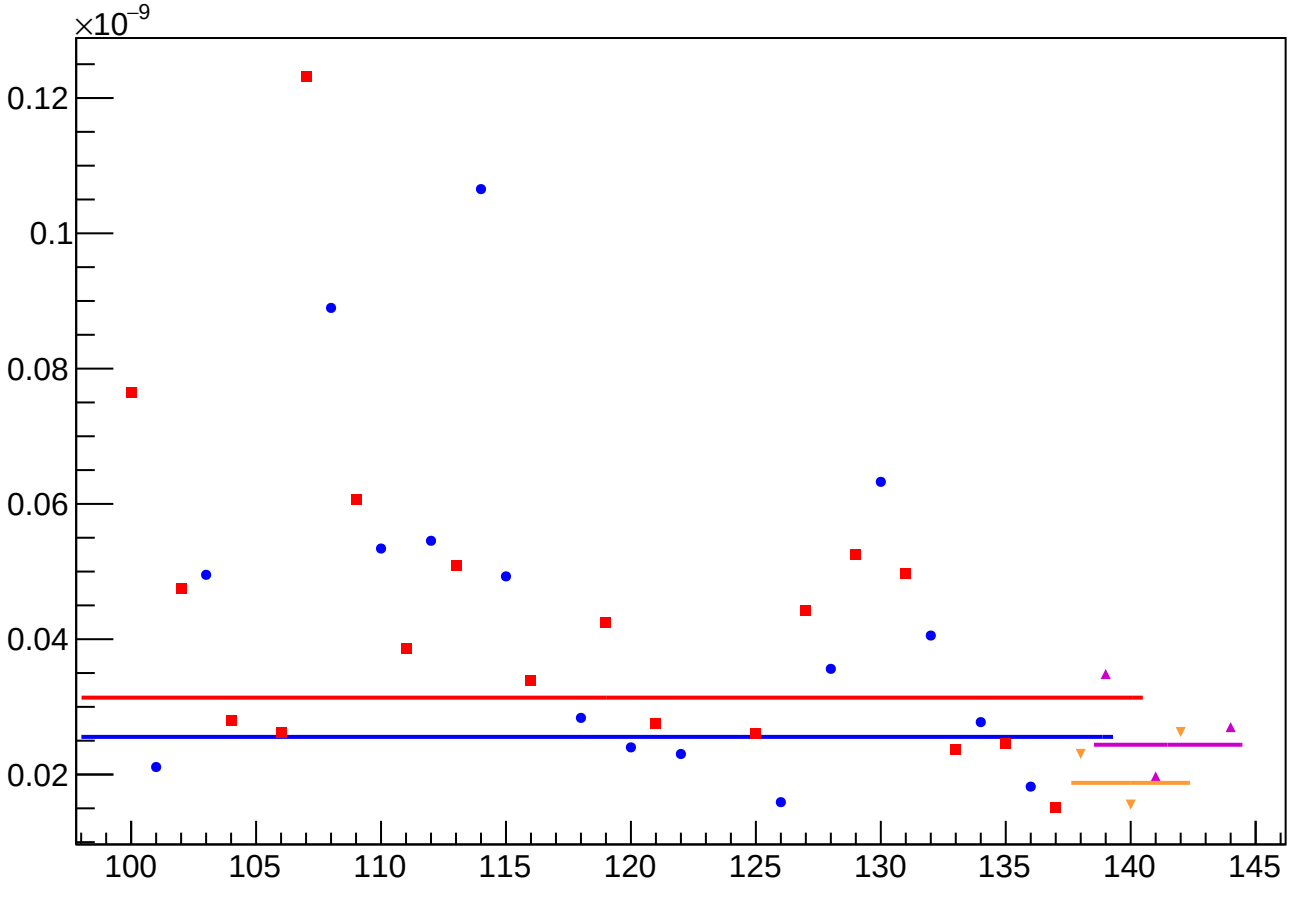
Left: 0.000+/-0.000 χ^2/NDF: 5.2/5

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:5.0/18

Out: -0.000+/-0.000 χ^2/NDF:26.7/20

All: 0.000+/-0.000 χ^2/NDF: 32.3/39



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

Left Out: 0.000+/-0.000 χ^2/NDF:137462.1/2

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

Left In: 0.000+/-0.000 χ^2/NDF:192156.2/2

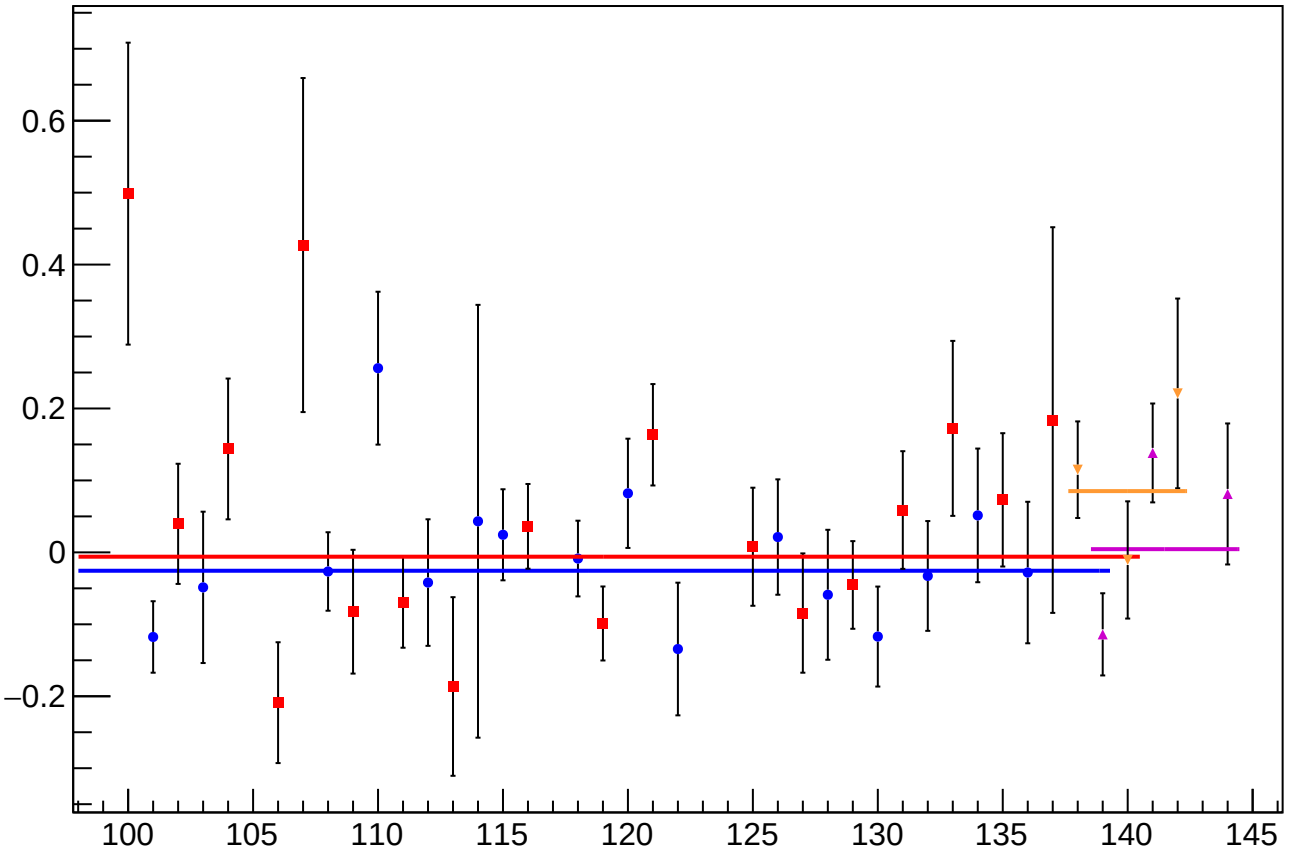
Left: 0.000+/-0.000 χ^2/NDF: 434056.1/5

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

In: 0.000+/-0.000 χ^2/NDF:1905096.6/18

Out: 0.000+/-0.000 χ^2/NDF:1972116.5/20

All: 0.000+/-0.000 χ^2/NDF: 3877221.8/39



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.004+/-0.040 χ^2/NDF:8.7/2

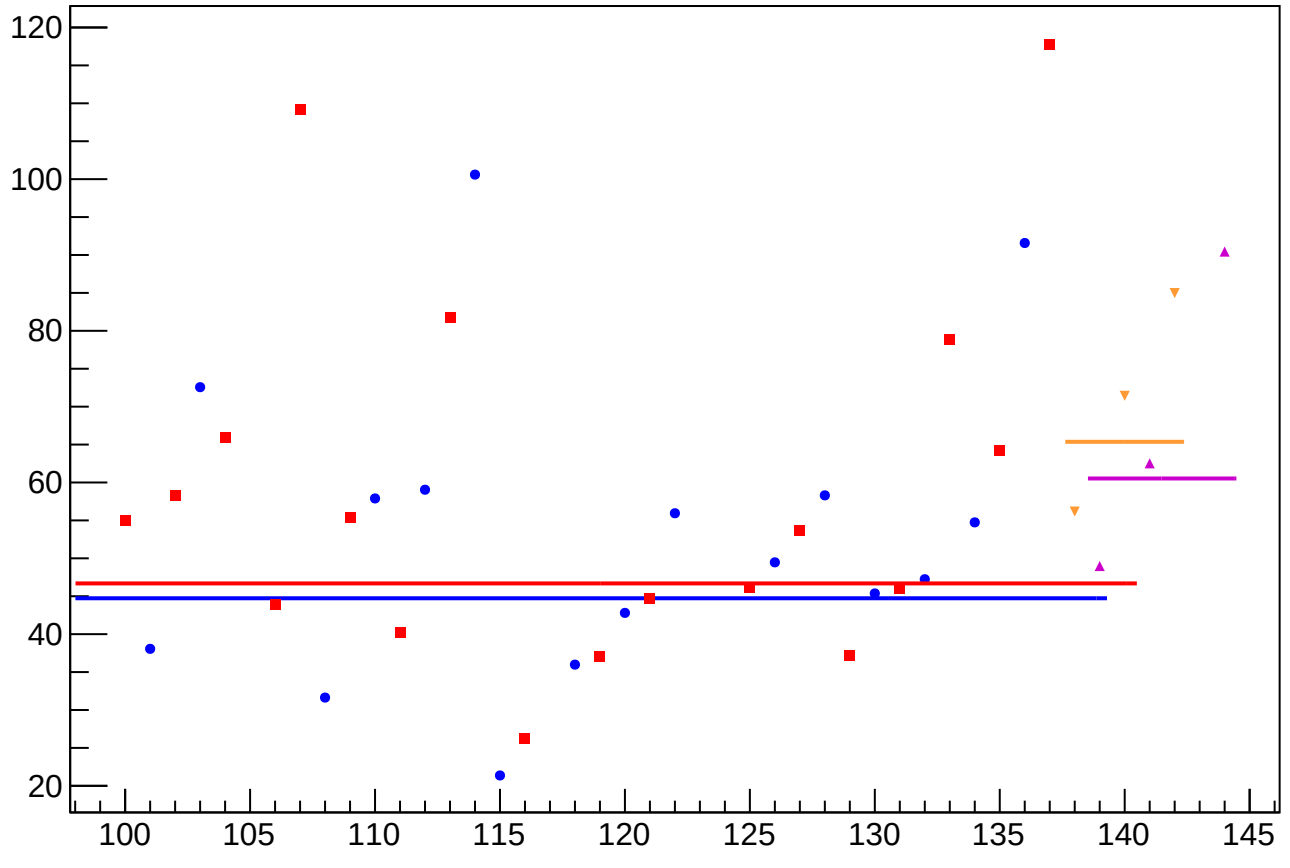
Left: 0.037+/-0.031 χ^2/NDF: 13.0/5

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

In: -0.020+/-0.017 χ^2/NDF:26.8/18

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.007+/-0.012 χ^2/NDF: 70.2/39



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

Left Out: 65.366+/-0.034 χ^2/NDF:92900.4/2

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

Left In: 60.528+/-0.028 χ^2/NDF:269825.5/2

Left: 62.504+/-0.022 χ^2/NDF: 374630.3/5

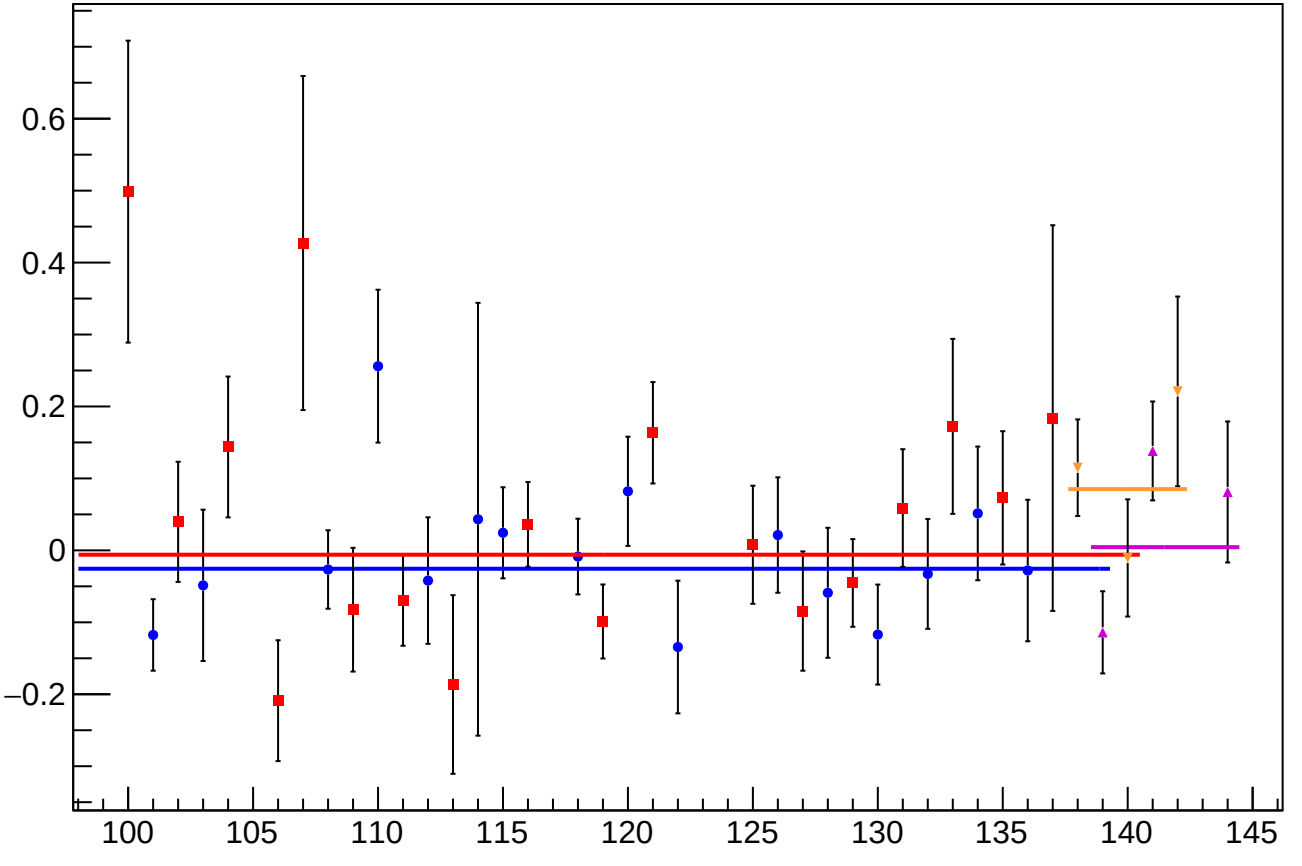
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 47.573+/-0.012 χ^2/NDF:1859108.5/18

Out: 49.290+/-0.013 χ^2/NDF:1546563.0/20

All: 48.383+/-0.009 χ^2/NDF: 3415294.8/39

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.004+/-0.040 χ^2/NDF:8.7/2

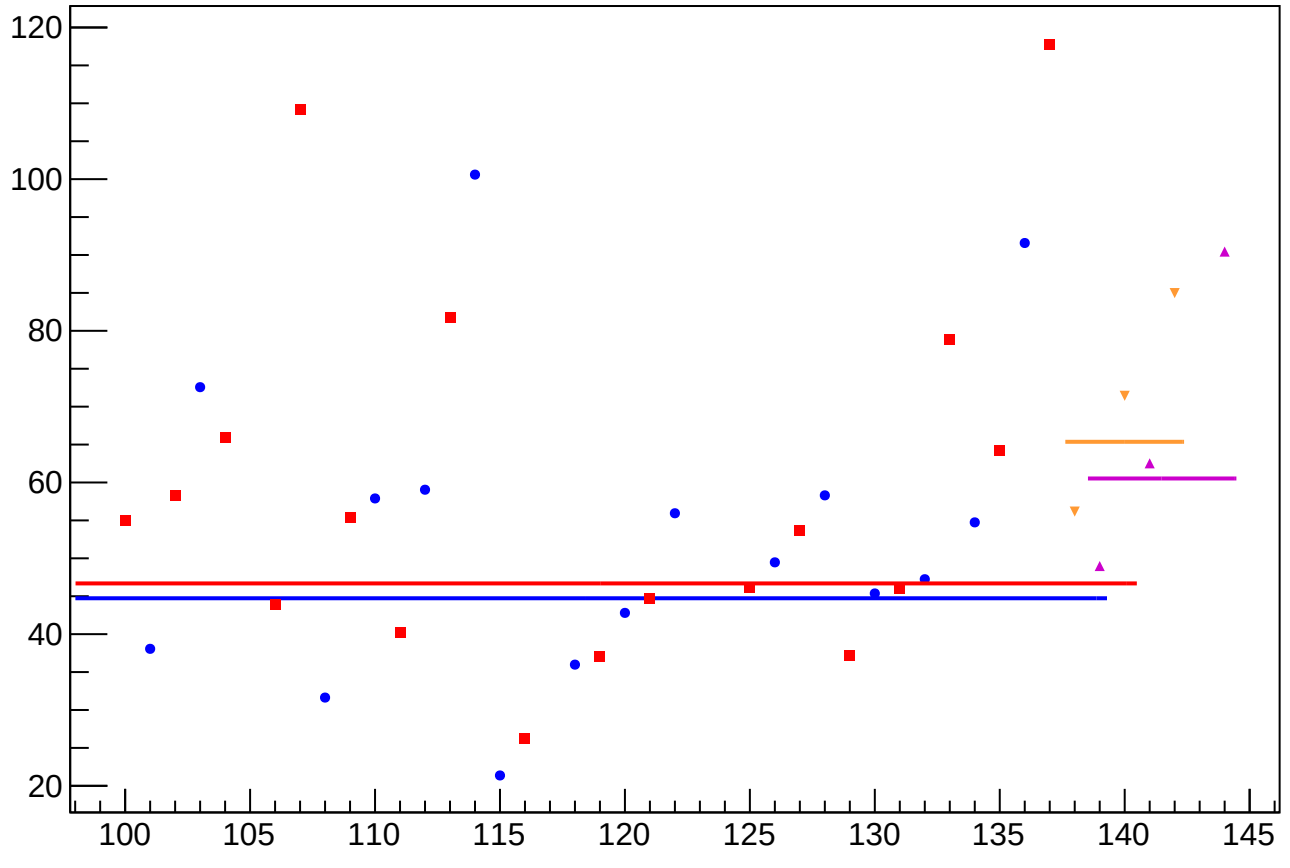
Left: 0.037+/-0.031 χ^2/NDF: 13.0/5

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

In: -0.020+/-0.017 χ^2/NDF:26.8/18

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.007+/-0.012 χ^2/NDF: 70.2/39



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

Left Out: 65.366+/-0.034 χ^2/NDF:92900.4/2

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

Left In: 60.528+/-0.028 χ^2/NDF:269825.5/2

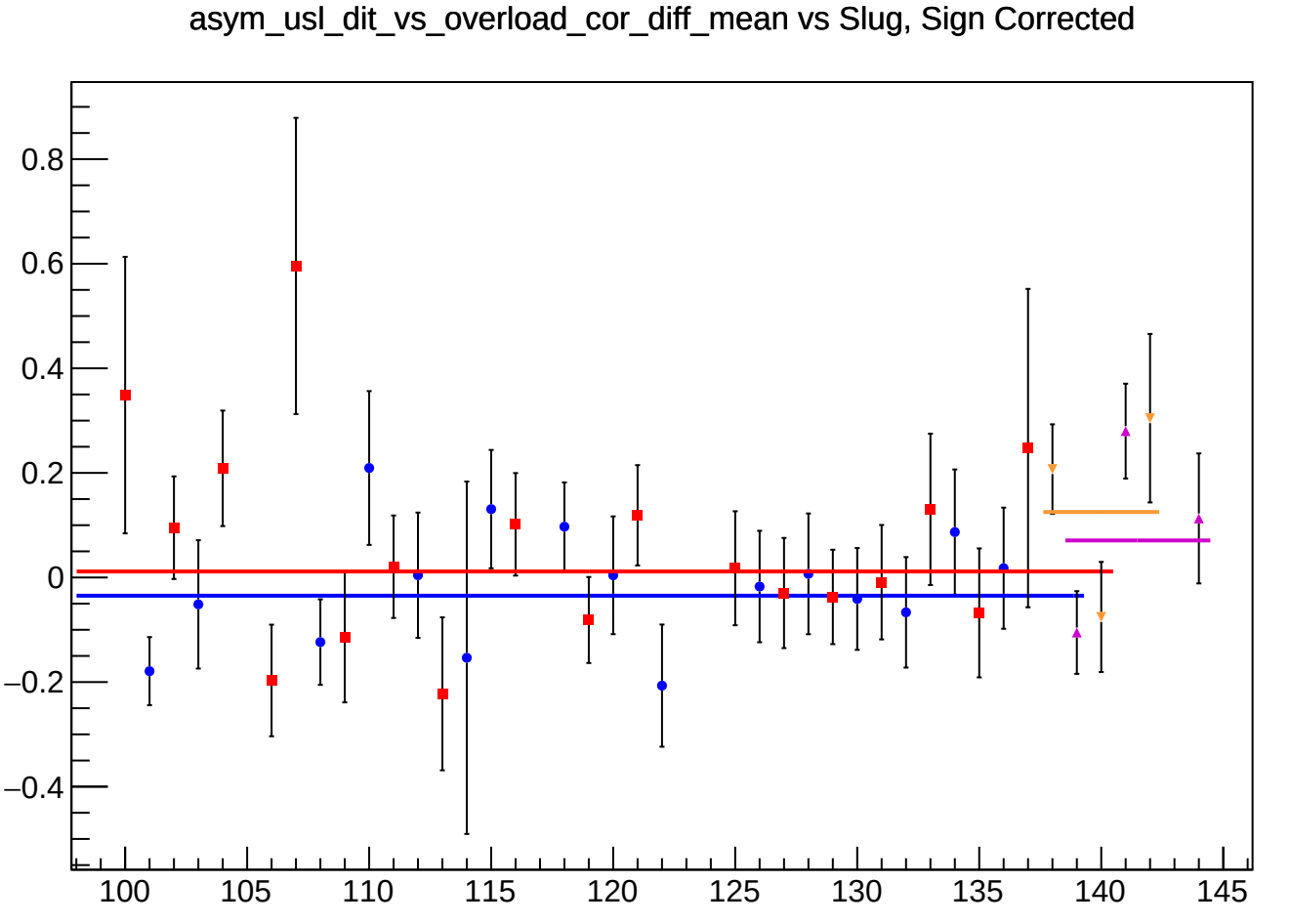
Left: 62.504+/-0.022 χ^2/NDF: 374630.3/5

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

In: 47.573+/-0.012 χ^2/NDF:1859108.5/18

Out: 49.290+/-0.013 χ^2/NDF:1546563.0/20

All: 48.383+/-0.009 χ^2/NDF: 3415294.8/39



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.125+/-0.061 χ^2/NDF:5.8/2

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.071+/-0.054 χ^2/NDF:10.4/2

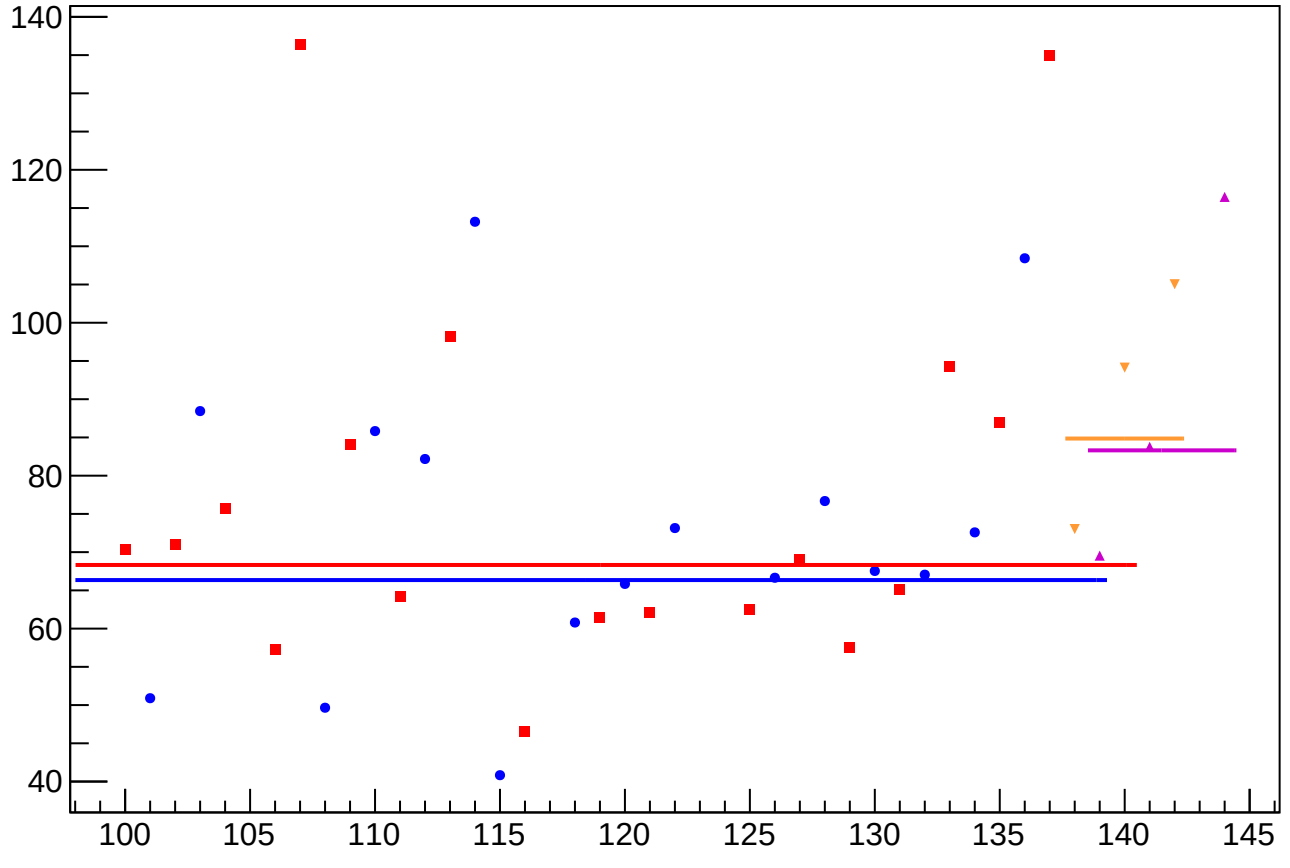
Left: 0.094+/-0.040 χ^2/NDF: 16.6/5

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

In: -0.014+/-0.024 χ^2/NDF:31.0/18

Out: 0.030+/-0.025 χ^2/NDF:31.4/20

All: 0.007+/-0.017 χ^2/NDF: 64.1/39



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 84.857+/-0.043 χ^2/NDF:85078.4/2

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 83.312+/-0.038 χ^2/NDF:202893.6/2

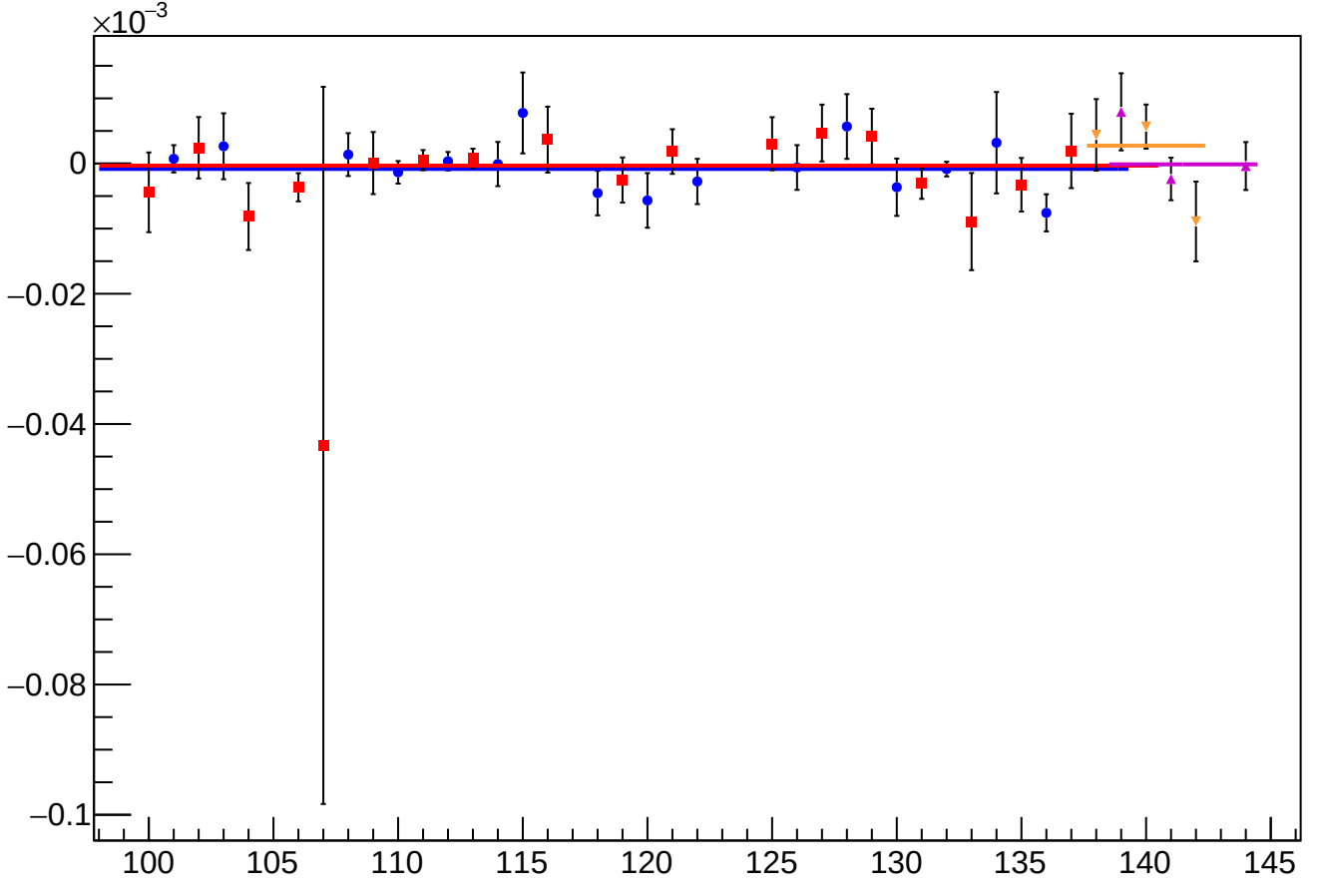
Left: 83.981+/-0.029 χ^2/NDF: 288688.9/5

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

In: 69.621+/-0.017 χ^2/NDF:1136393.5/18

Out: 70.983+/-0.017 χ^2/NDF:836336.9/20

All: 70.273+/-0.012 χ^2/NDF: 1975916.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/2

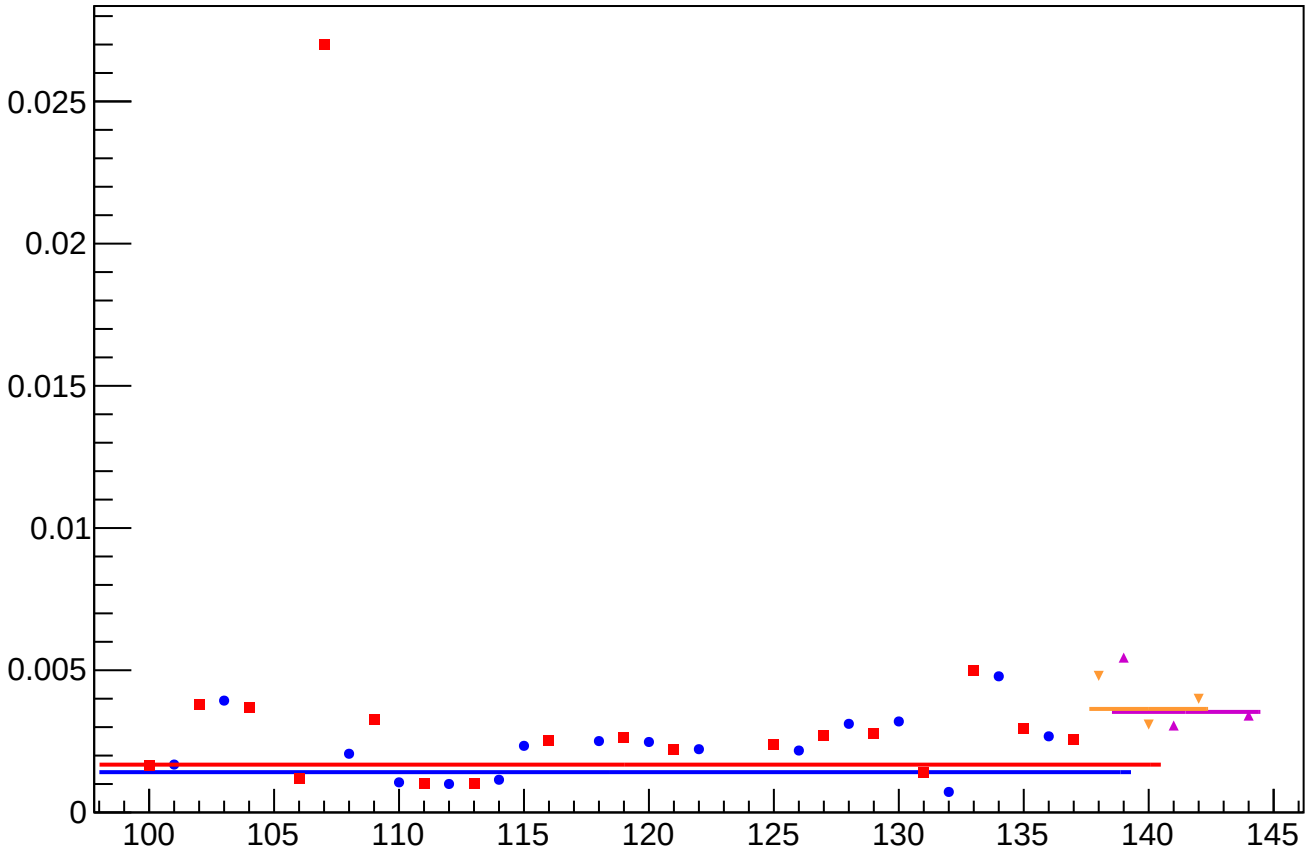
Left: 0.000+/-0.000 χ^2/NDF: 7.5/5

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

In: -0.000+/-0.000 χ^2/NDF:17.4/18

Out: -0.000+/-0.000 χ^2/NDF:20.6/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/39



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:149129.5/2

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:253419.3/2

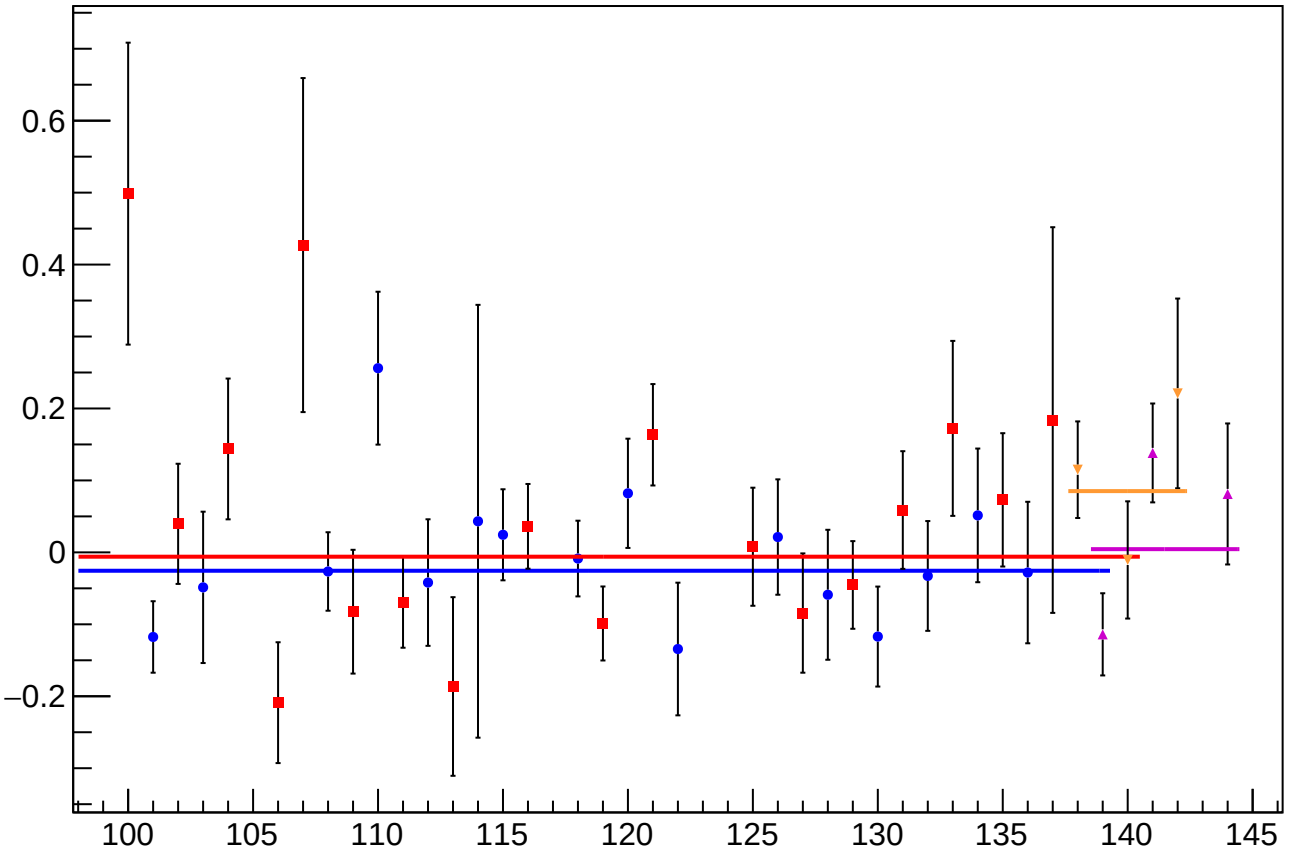
Left: 0.004+/-0.000 χ^2/NDF: 404386.9/5

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

In: 0.002+/-0.000 χ^2/NDF:5440696.9/18

Out: 0.002+/-0.000 χ^2/NDF:4625509.8/20

All: 0.002+/-0.000 χ^2/NDF: 10224304.0/39



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.004+/-0.040 χ^2/NDF:8.7/2

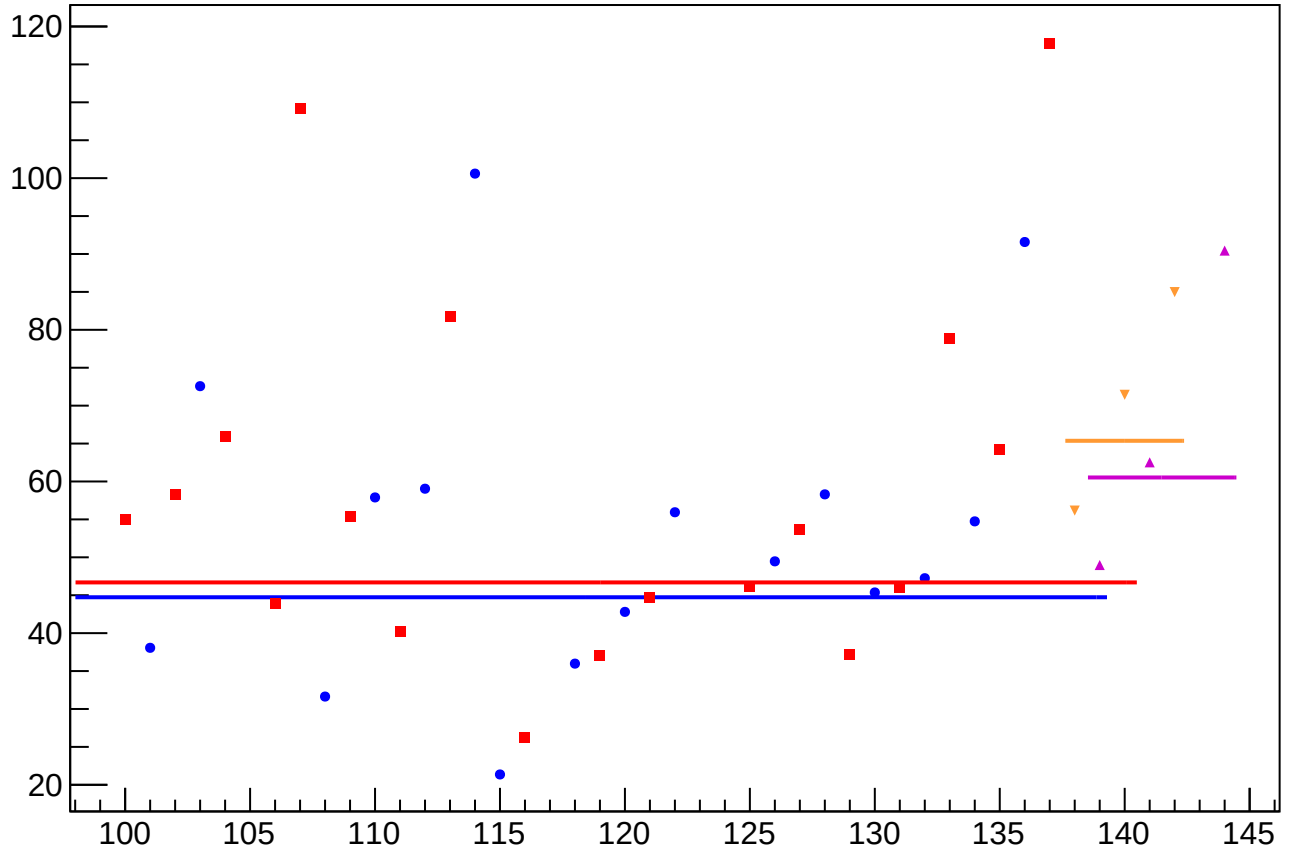
Left: 0.037+/-0.031 χ^2/NDF: 13.0/5

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

In: -0.020+/-0.017 χ^2/NDF:26.8/18

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.007+/-0.012 χ^2/NDF: 70.2/39



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF:92907.4/2

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 60.528+/-0.028 χ^2/NDF:269810.9/2

Left: 62.504+/-0.022 χ^2/NDF: 374619.3/5

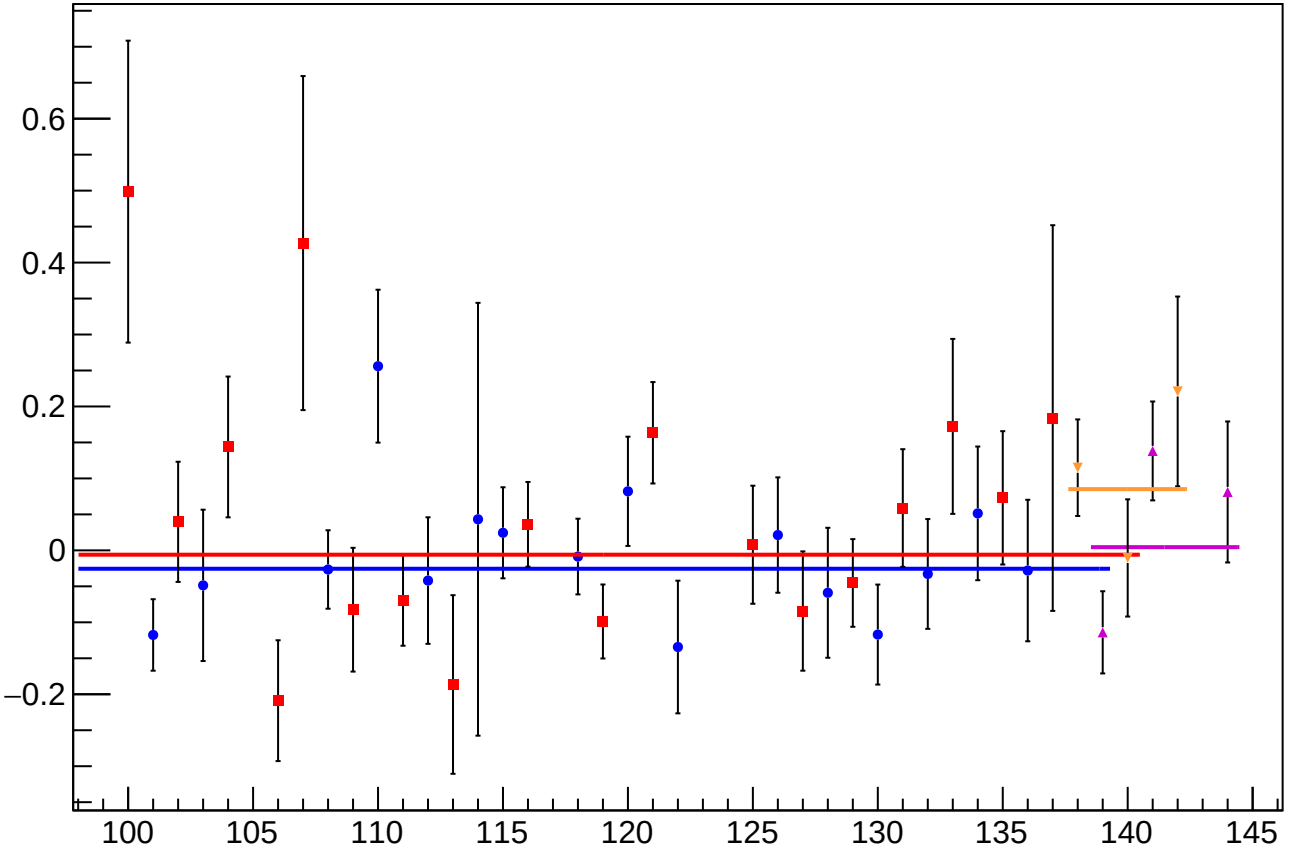
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 47.573+/-0.012 χ^2/NDF:1859192.3/18

Out: 49.289+/-0.013 χ^2/NDF:1546625.4/20

All: 48.382+/-0.009 χ^2/NDF: 3415439.8/39

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.004+/-0.040 χ^2/NDF:8.7/2

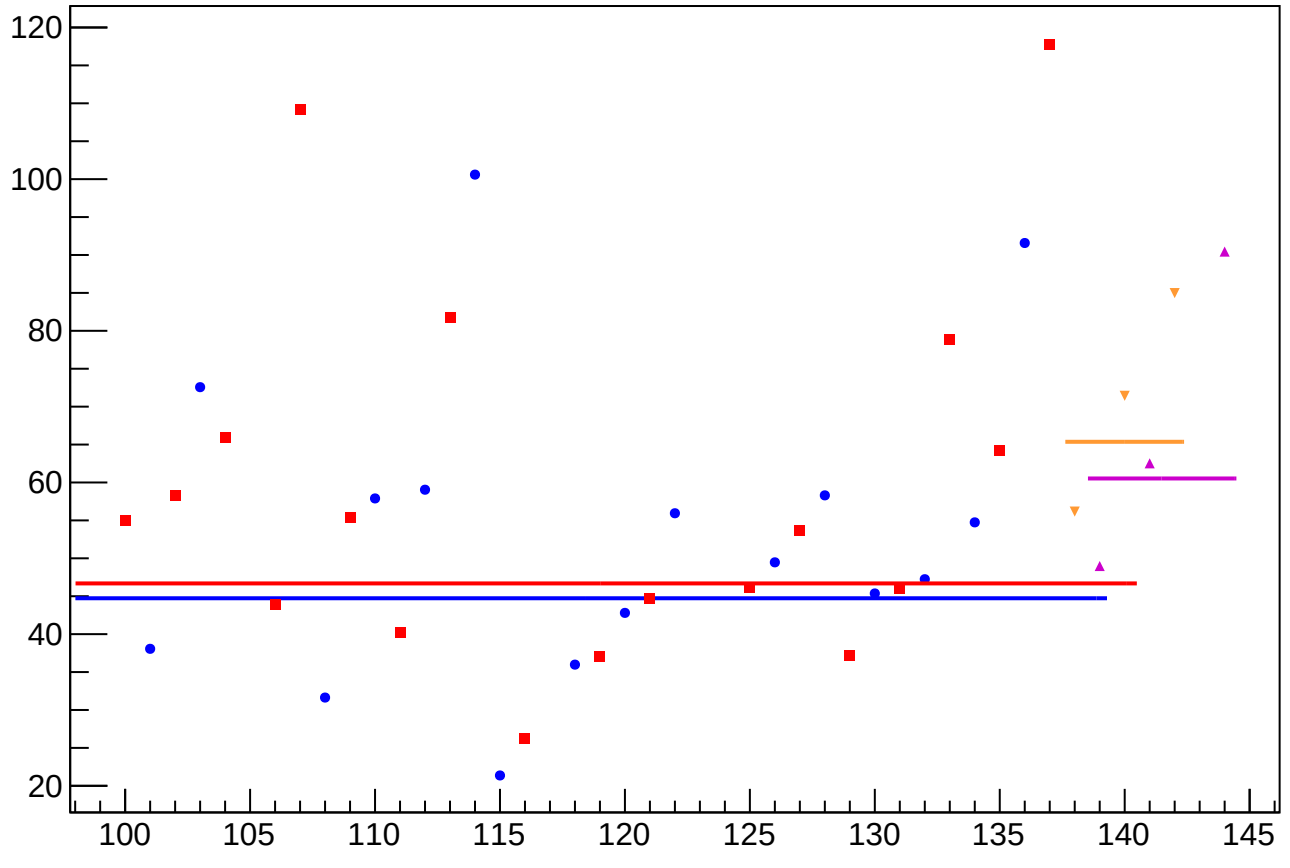
Left: 0.037+/-0.031 χ^2/NDF: 13.0/5

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

In: -0.020+/-0.017 χ^2/NDF:26.8/18

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.007+/-0.012 χ^2/NDF: 70.2/39



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF:92907.4/2

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 60.528+/-0.028 χ^2/NDF:269810.9/2

Left: 62.504+/-0.022 χ^2/NDF: 374619.3/5

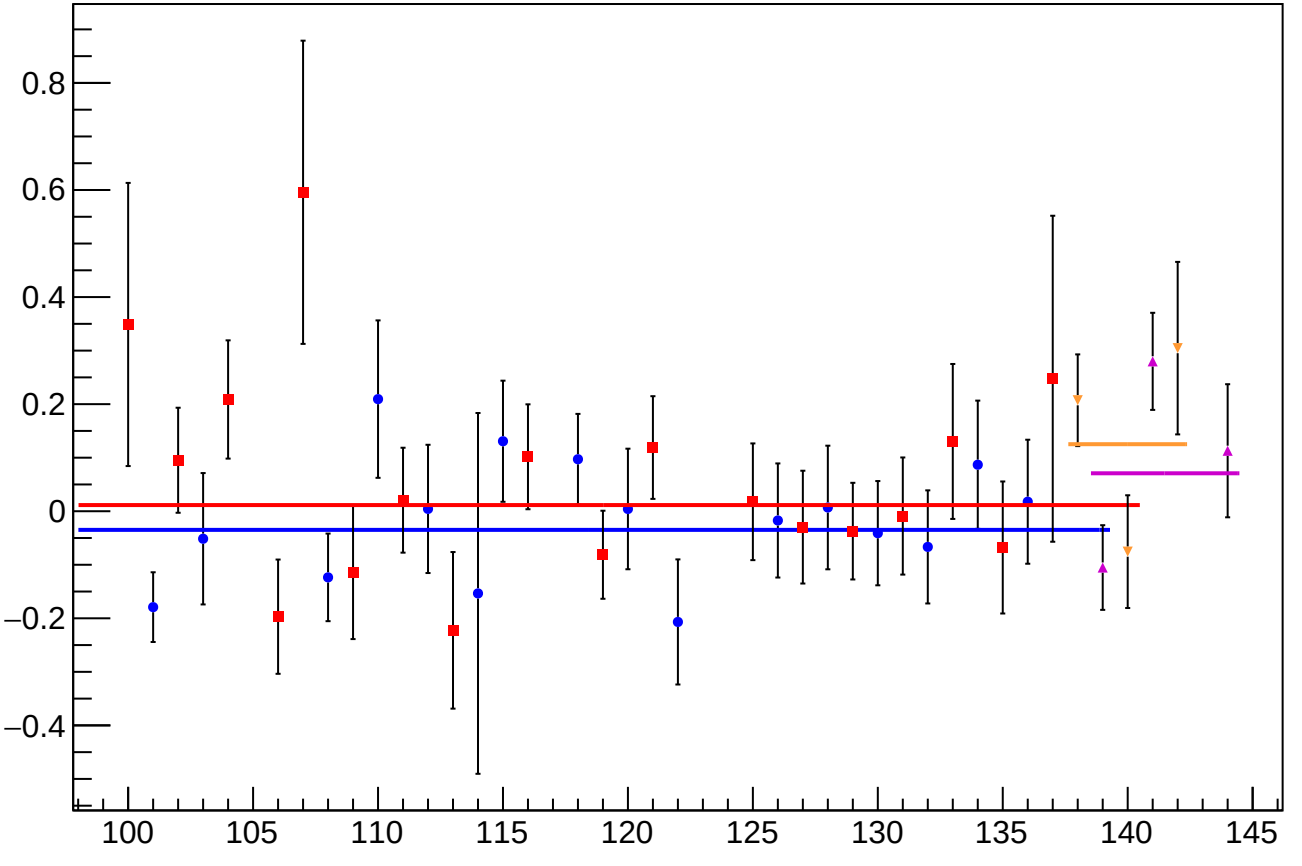
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 47.573+/-0.012 χ^2/NDF:1859192.3/18

Out: 49.289+/-0.013 χ^2/NDF:1546625.4/20

All: 48.382+/-0.009 χ^2/NDF: 3415439.8/39

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.125+/-0.061 χ^2/NDF:5.8/2

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.071+/-0.054 χ^2/NDF:10.4/2

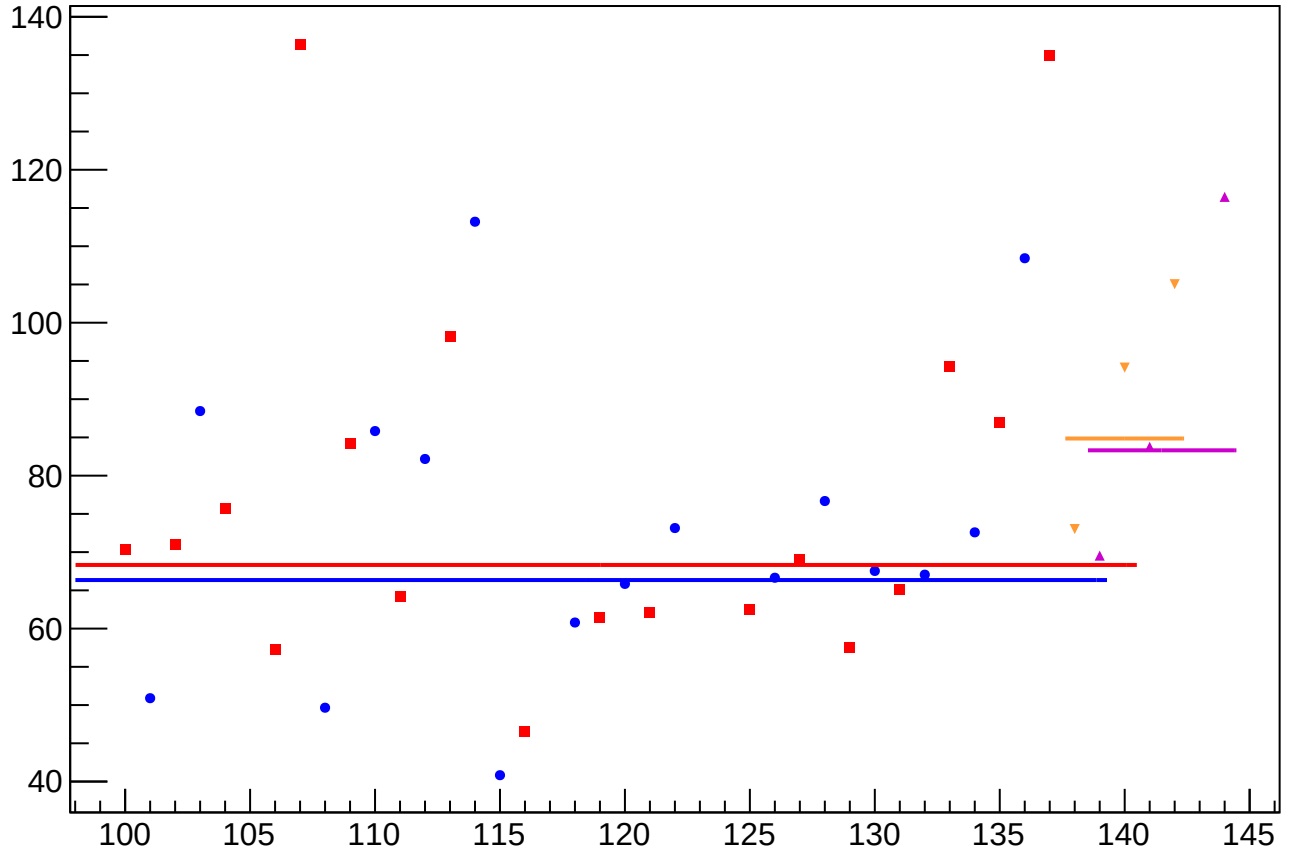
Left: 0.094+/-0.040 χ^2/NDF: 16.6/5

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

In: -0.014+/-0.024 χ^2/NDF:31.0/18

Out: 0.030+/-0.025 χ^2/NDF:31.4/20

All: 0.007+/-0.017 χ^2/NDF: 64.1/39



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 84.856+/-0.043 χ^2/NDF:85082.8/2

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 83.312+/-0.038 χ^2/NDF:202885.8/2

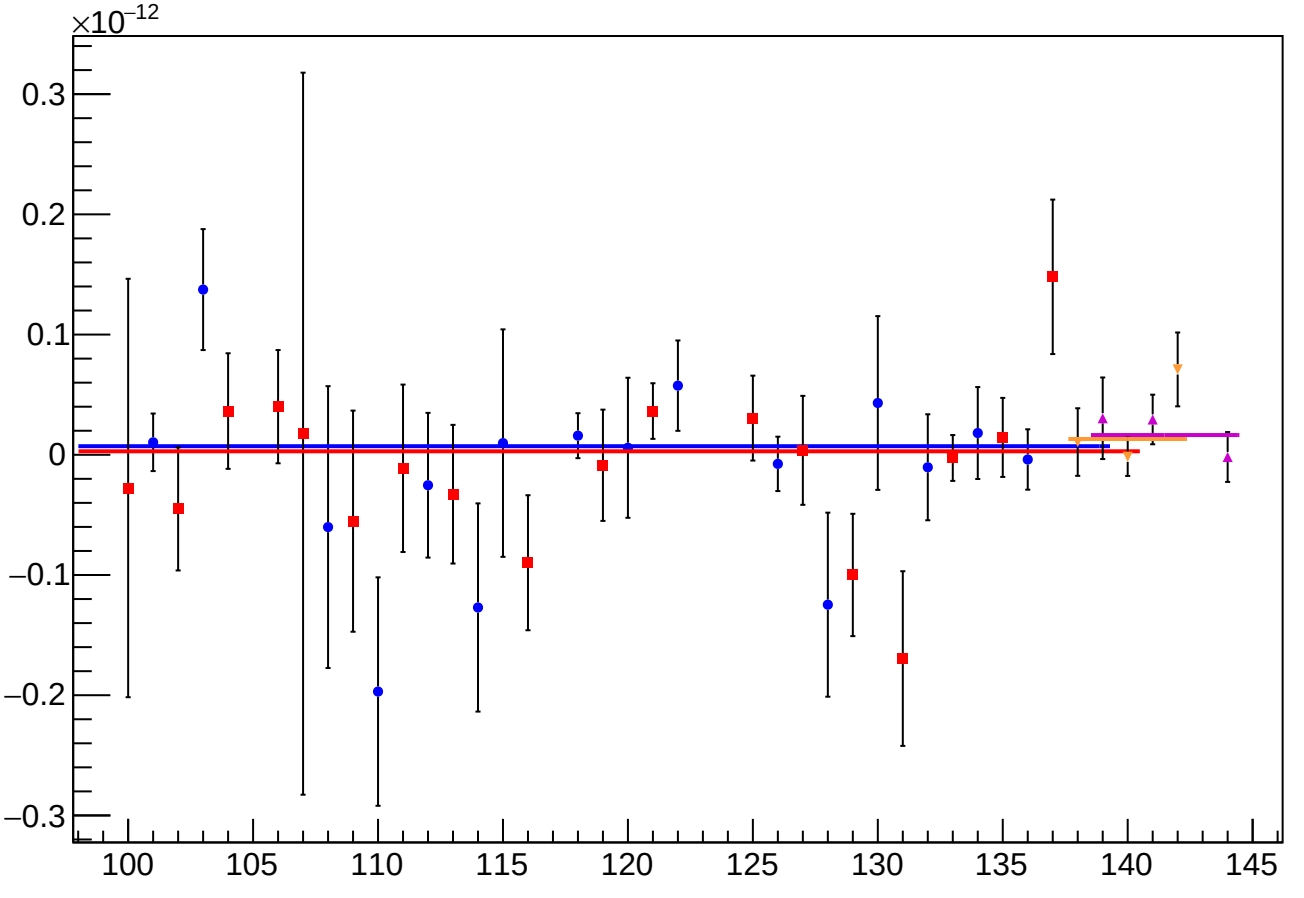
Left: 83.981+/-0.029 χ^2/NDF: 288685.0/5

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

In: 69.621+/-0.017 χ^2/NDF:1136406.5/18

Out: 70.982+/-0.017 χ^2/NDF:836344.0/20

All: 70.272+/-0.012 χ^2/NDF: 1975935.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

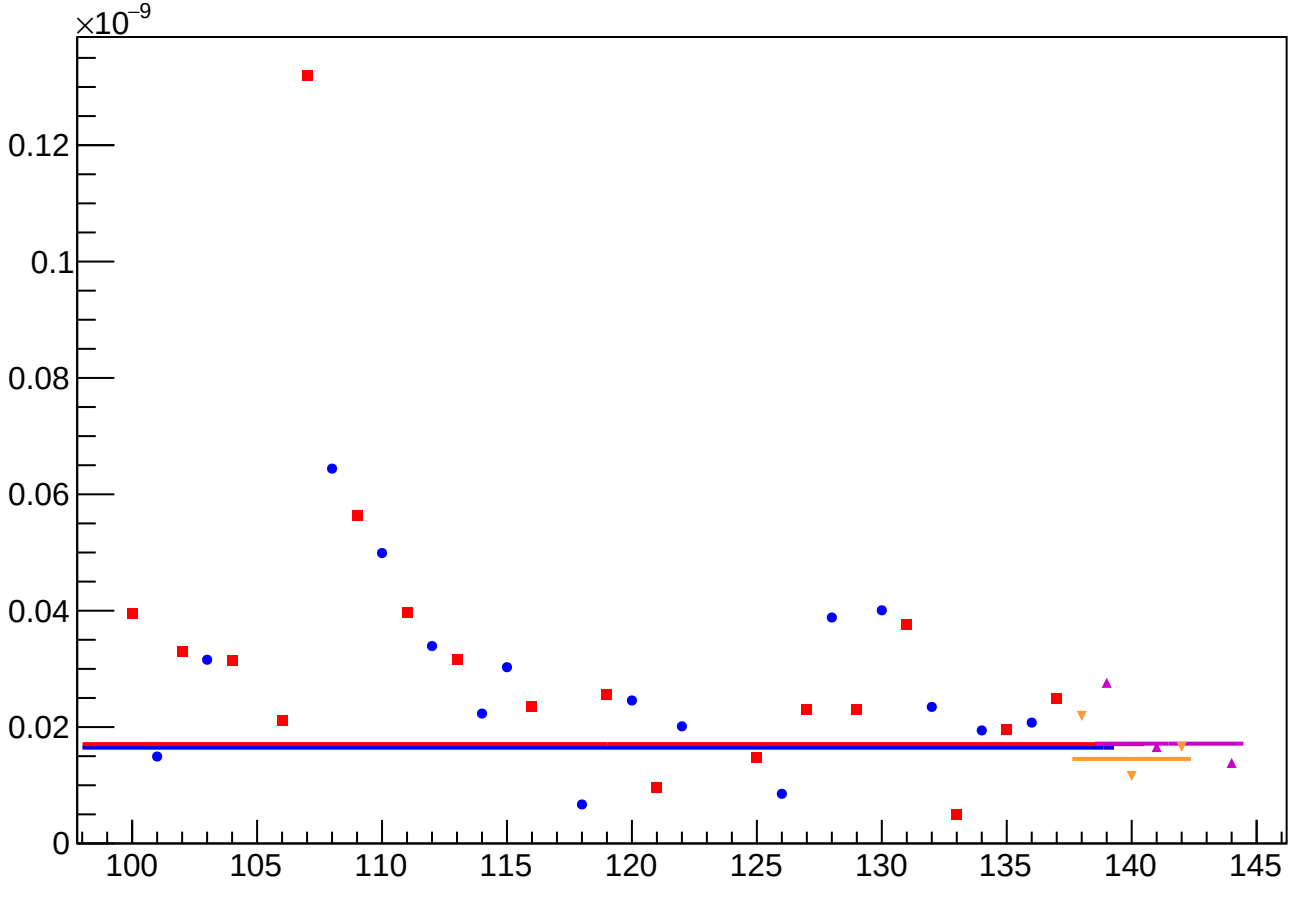
Left: 0.000+/-0.000 χ^2/NDF: 5.8/5

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:22.1/18

Out: 0.000+/-0.000 χ^2/NDF:28.2/20

All: 0.000+/-0.000 χ^2/NDF: 50.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:214500.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:242863.9/2

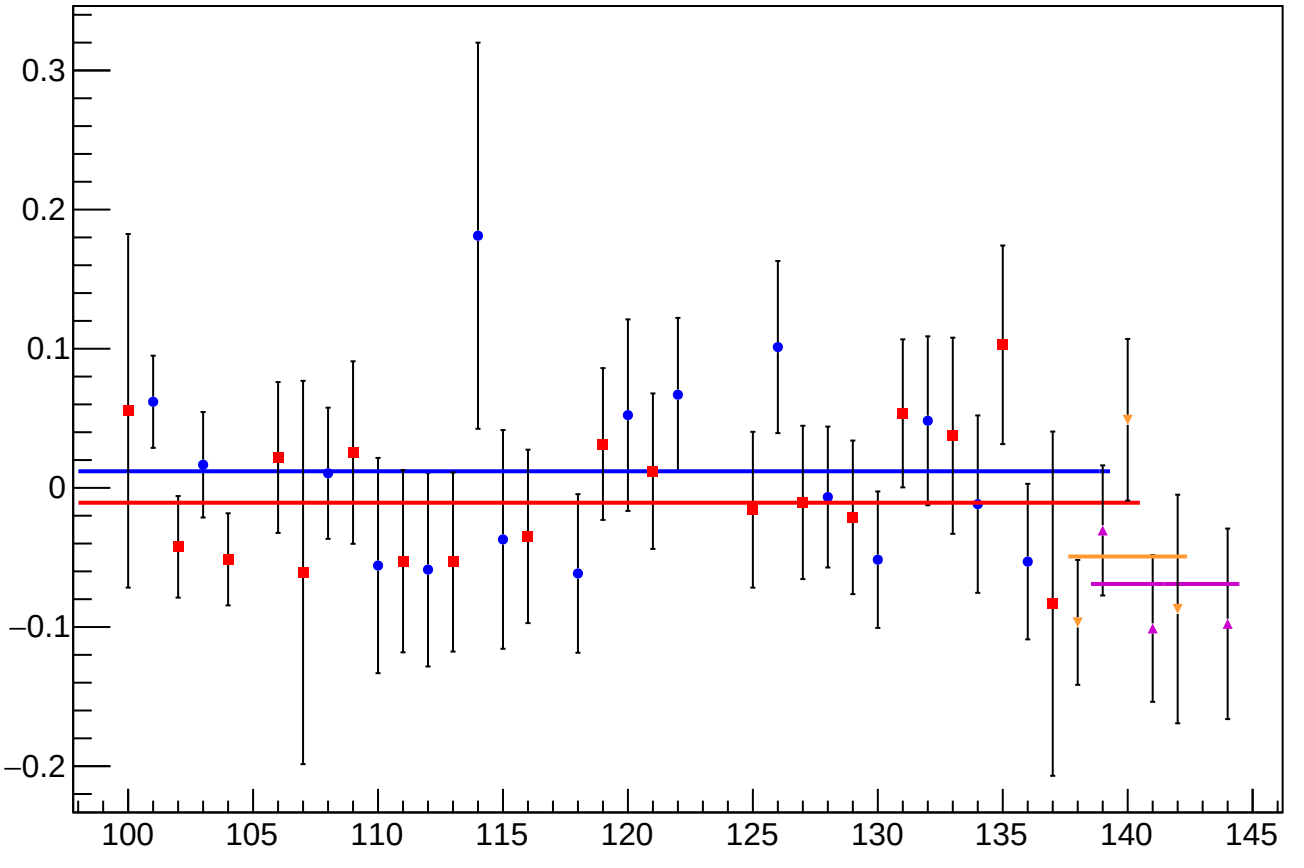
Left: 0.000+/-0.000 χ^2/NDF: 497953.0/5

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

In: 0.000+/-0.000 χ^2/NDF:2592348.6/18

Out: 0.000+/-0.000 χ^2/NDF:3056353.6/20

All: 0.000+/-0.000 χ^2/NDF: 5654243.9/39



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.069+/-0.031 χ^2/NDF:1.2/2

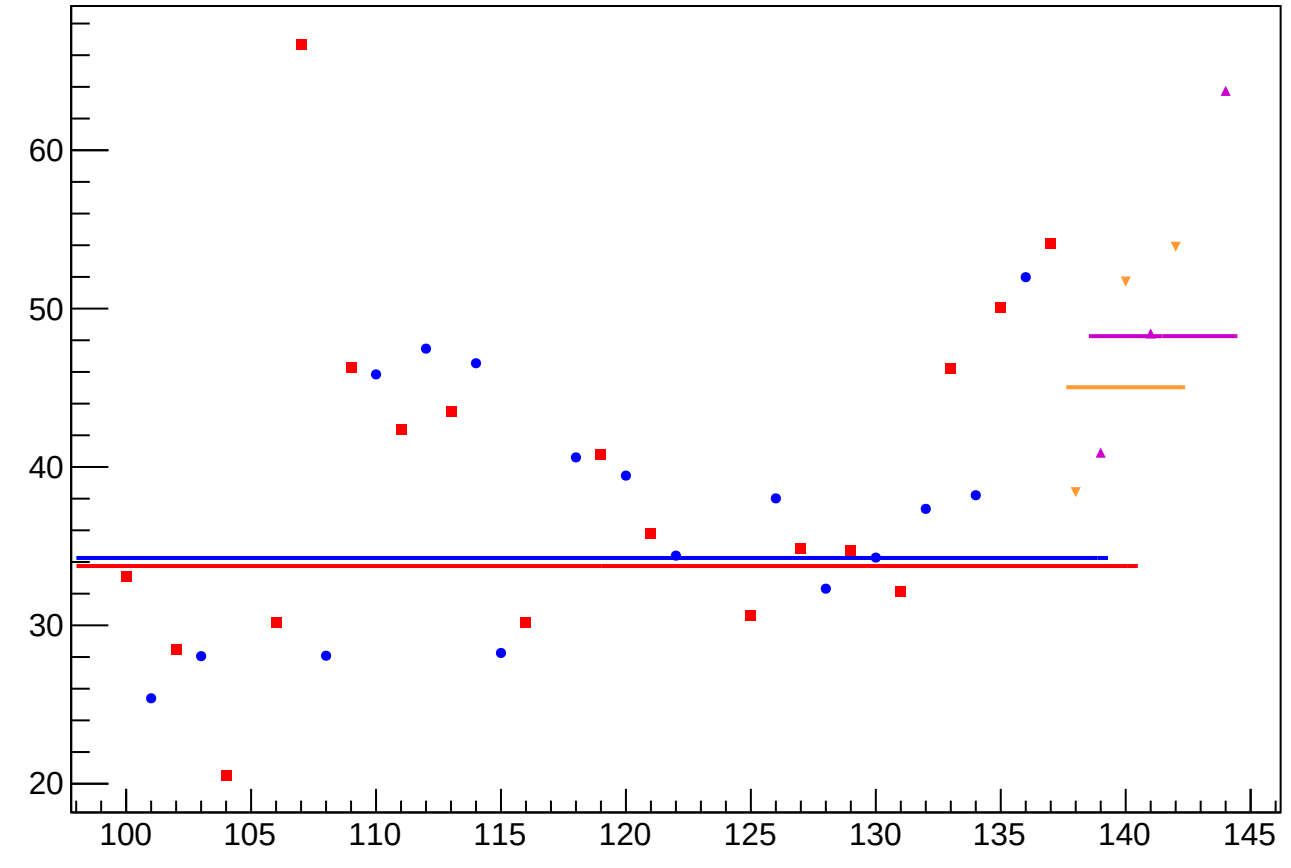
Left: -0.060+/-0.023 χ^2/NDF: 5.6/5

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.001+/-0.012 χ^2/NDF:21.6/18

Out: -0.016+/-0.012 χ^2/NDF:15.3/20

All: -0.009+/-0.009 χ^2/NDF: 37.7/39



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 45.034+/-0.023 χ^2/NDF:93292.7/2

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 48.261+/-0.022 χ^2/NDF:151864.9/2

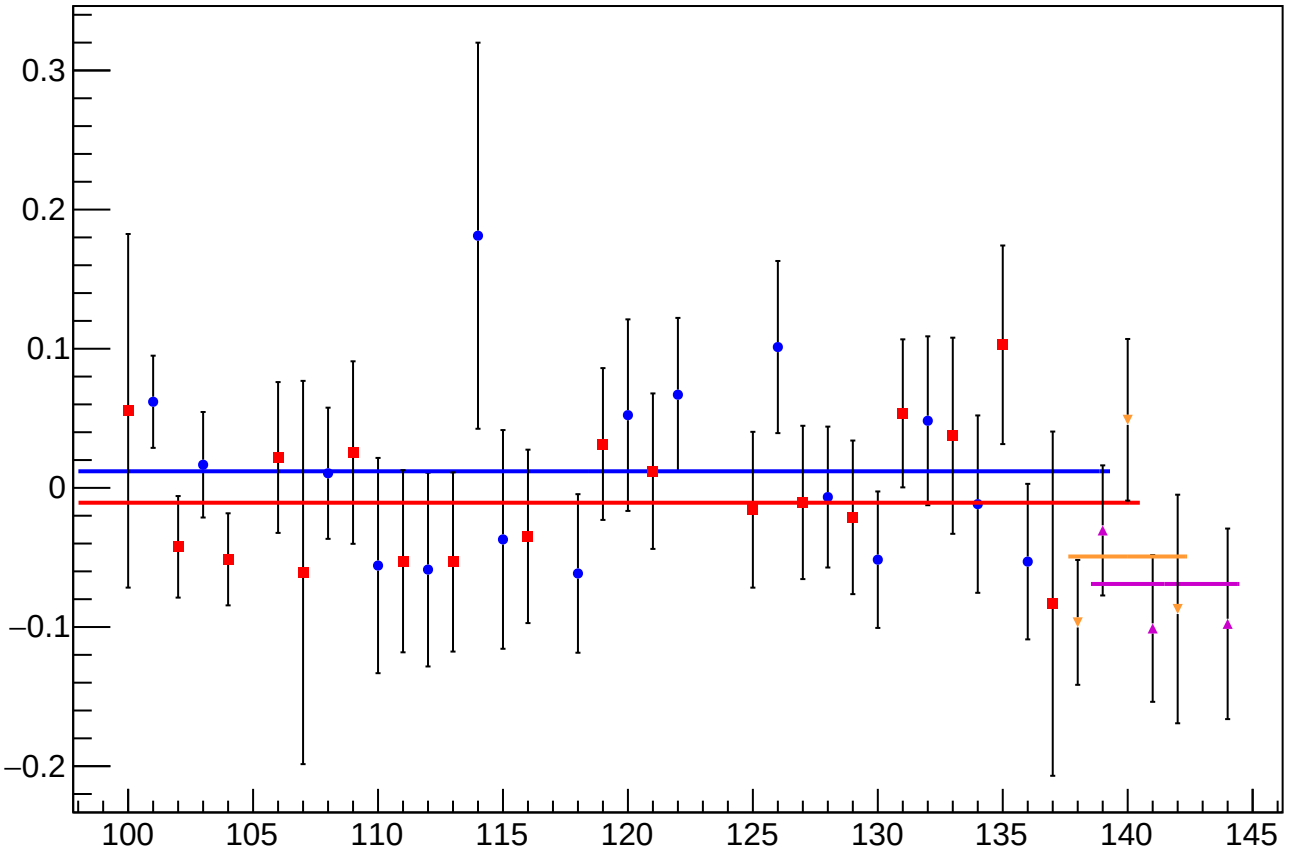
Left: 46.720+/-0.016 χ^2/NDF: 255398.0/5

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

In: 36.500+/-0.009 χ^2/NDF:1127311.2/18

Out: 35.387+/-0.009 χ^2/NDF:1210228.7/20

All: 35.941+/-0.006 χ^2/NDF: 2345533.1/39



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.069+/-0.031 χ^2/NDF:1.2/2

Left: -0.060+/-0.023 χ^2/NDF: 5.6/5

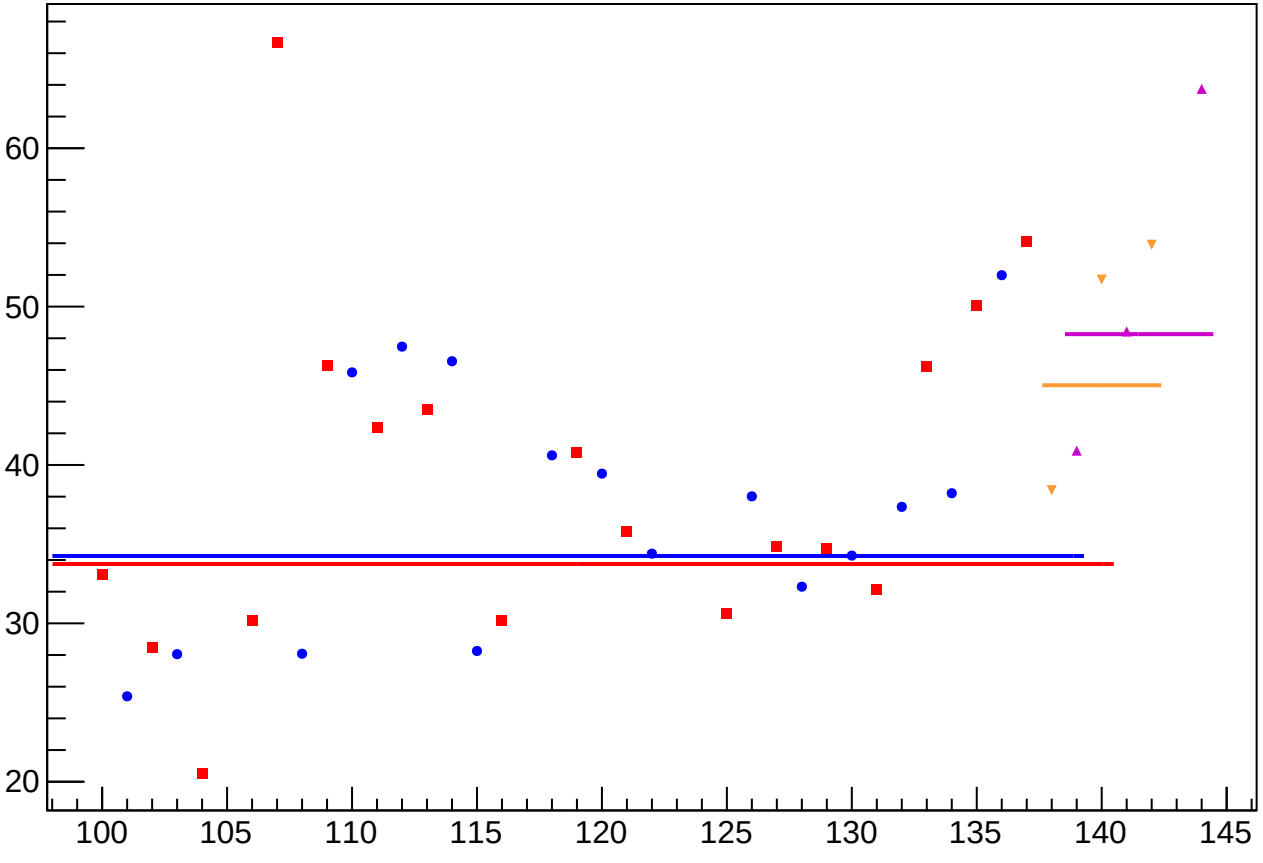
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.001+/-0.012 χ^2/NDF:21.6/18

Out: -0.016+/-0.012 χ^2/NDF:15.3/20

All: -0.009+/-0.009 χ^2/NDF: 37.7/39

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 45.034+/-0.023 χ^2/NDF:93292.7/2

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 48.261+/-0.022 χ^2/NDF:151864.9/2

Left: 46.720+/-0.016 χ^2/NDF: 255398.0/5

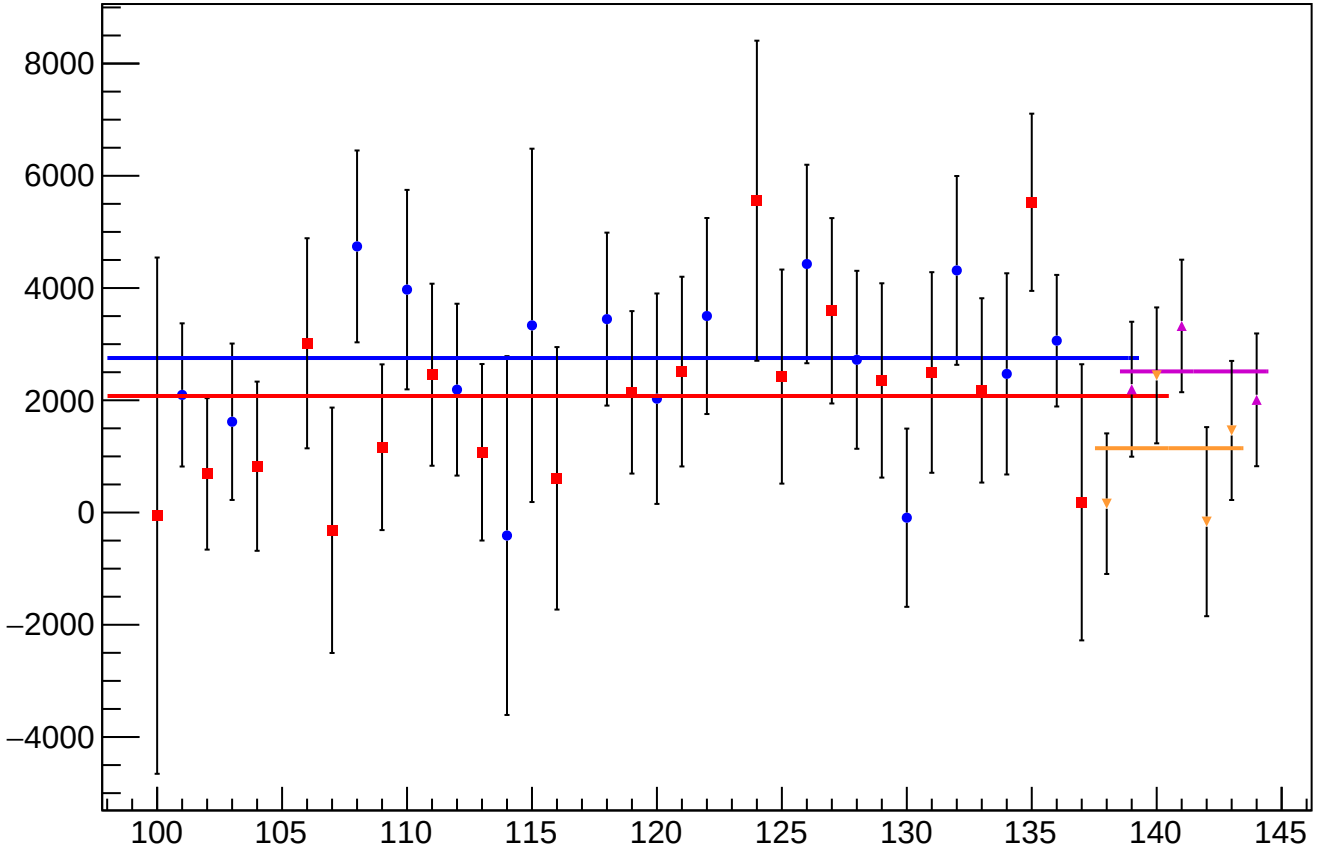
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 36.500+/-0.009 χ^2/NDF:1127311.2/18

Out: 35.387+/-0.009 χ^2/NDF:1210228.7/20

All: 35.941+/-0.006 χ^2/NDF: 2345533.1/39

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2514.251+/-686.097 χ^2/NDF:0.7/2

Left: 1799.534+/-474.178 χ^2/NDF: 5.2/6

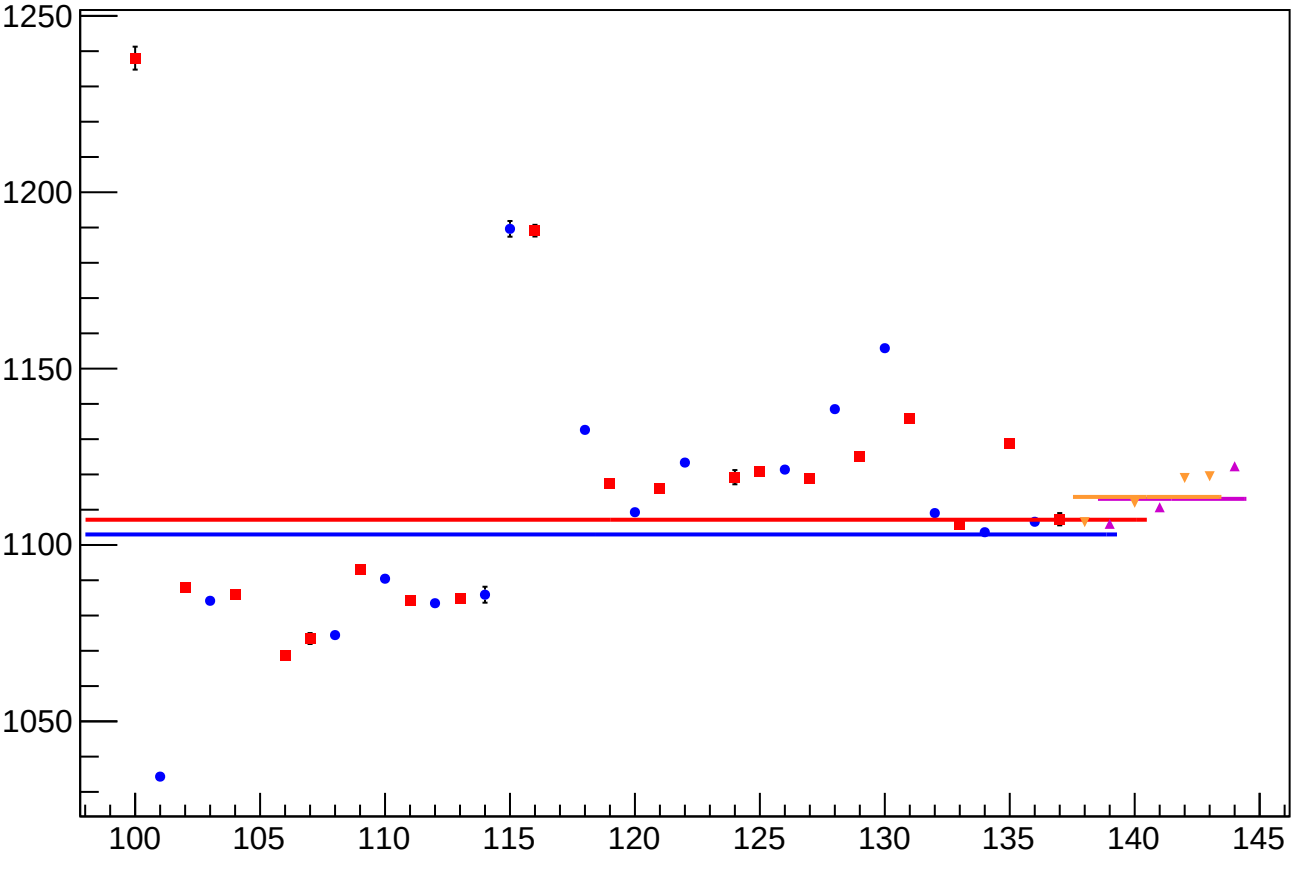
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2690.303+/-351.844 χ^2/NDF:10.3/18

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2245.625+/-245.929 χ^2/NDF: 29.9/41

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

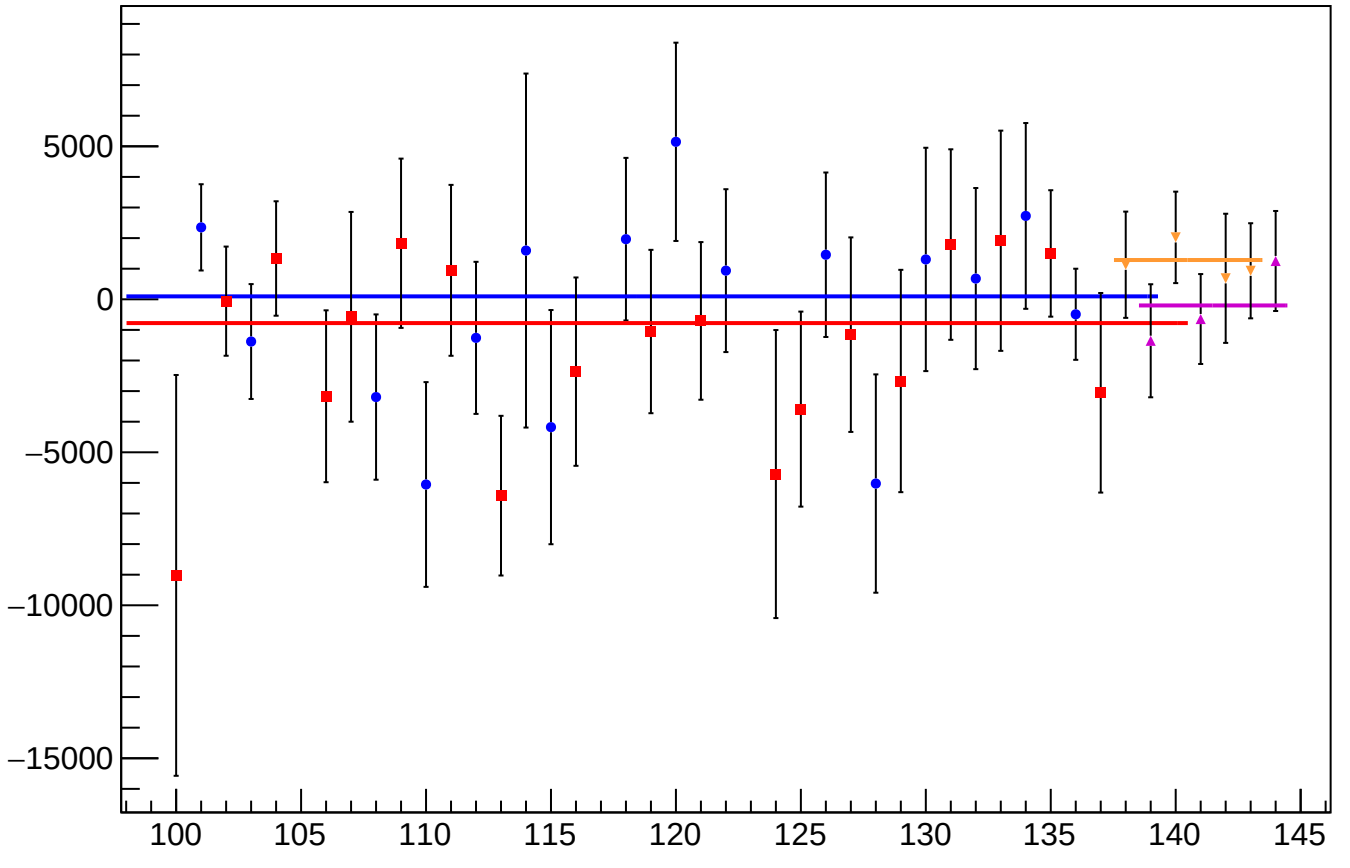
Left: 1113.366+/-0.335 χ^2/NDF: 334.0/6

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

In: 1105.642+/-0.249 χ^2/NDF:13742.1/18

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1107.327+/-0.174 χ^2/NDF: 22790.1/41



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -200.802+/-940.512 χ^2/NDF:1.3/2

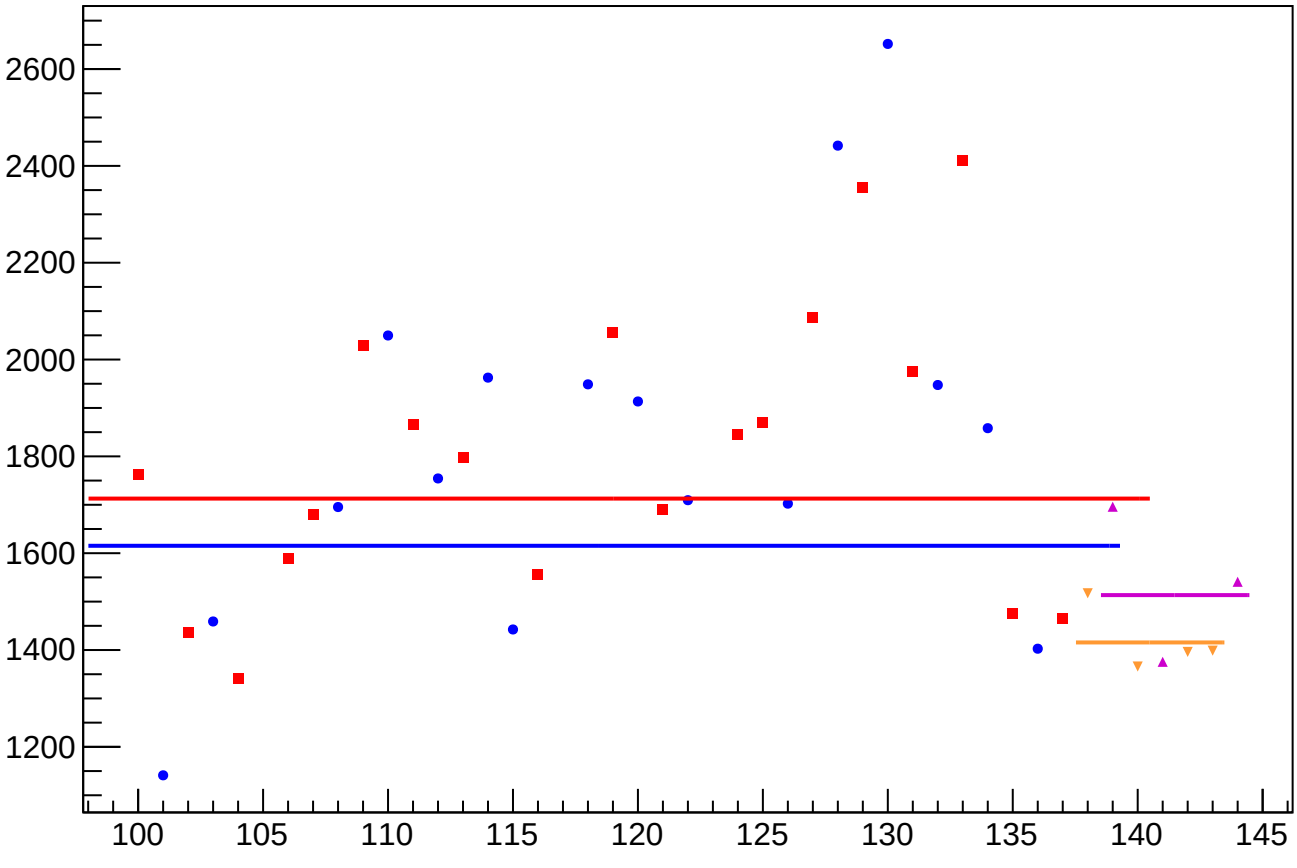
Left: 625.386+/-626.410 χ^2/NDF: 3.0/6

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

In: 6.445+/-516.534 χ^2/NDF:18.3/18

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -9.189+/-362.007 χ^2/NDF: 37.5/41



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

Left: 1459.035+/-0.443 χ^2/NDF: 59177.7/6

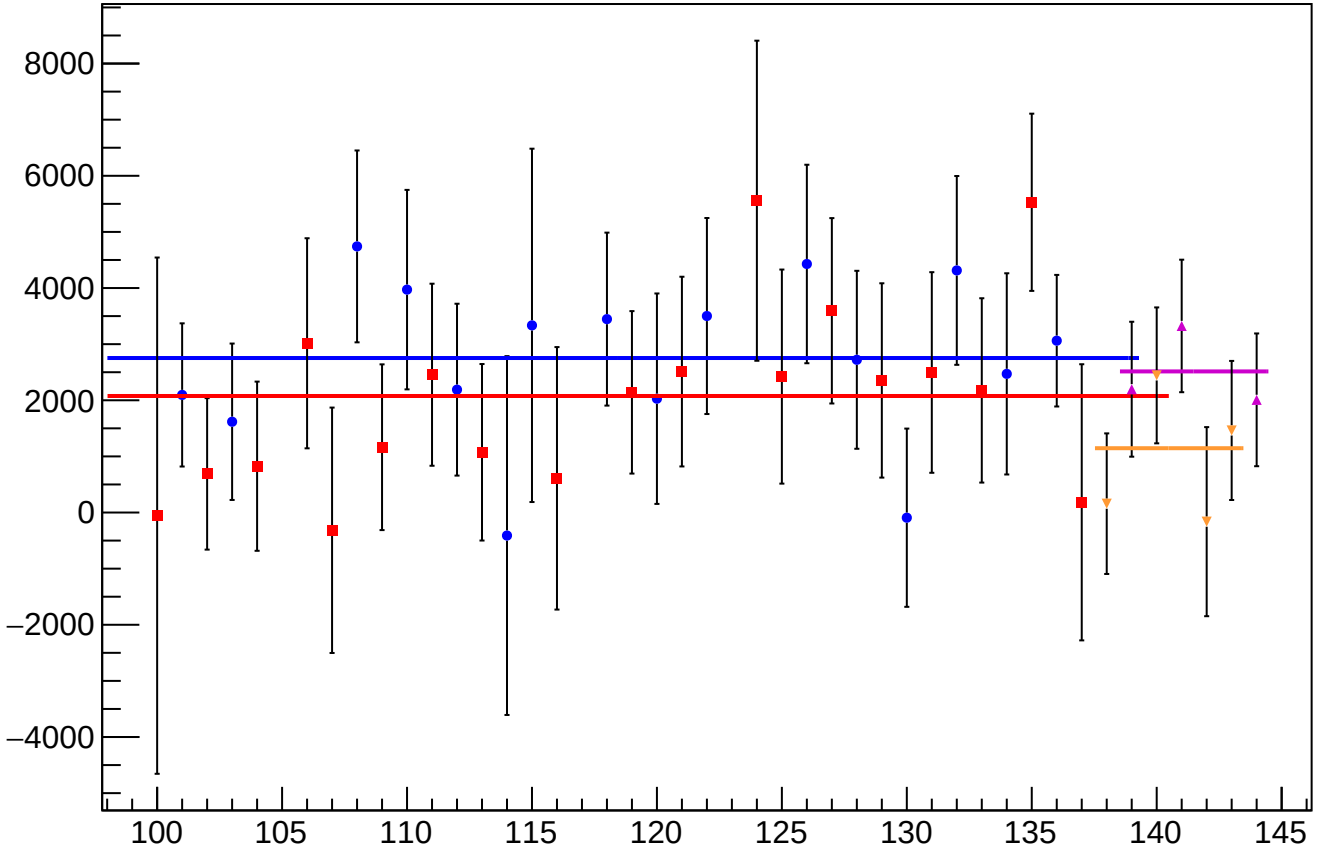
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1584.587+/-0.365 χ^2/NDF:747702.1/18

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1594.608+/-0.256 χ^2/NDF: 1345659.5/41

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2514.251+/-686.097 χ^2/NDF:0.7/2

Left: 1799.534+/-474.178 χ^2/NDF: 5.2/6

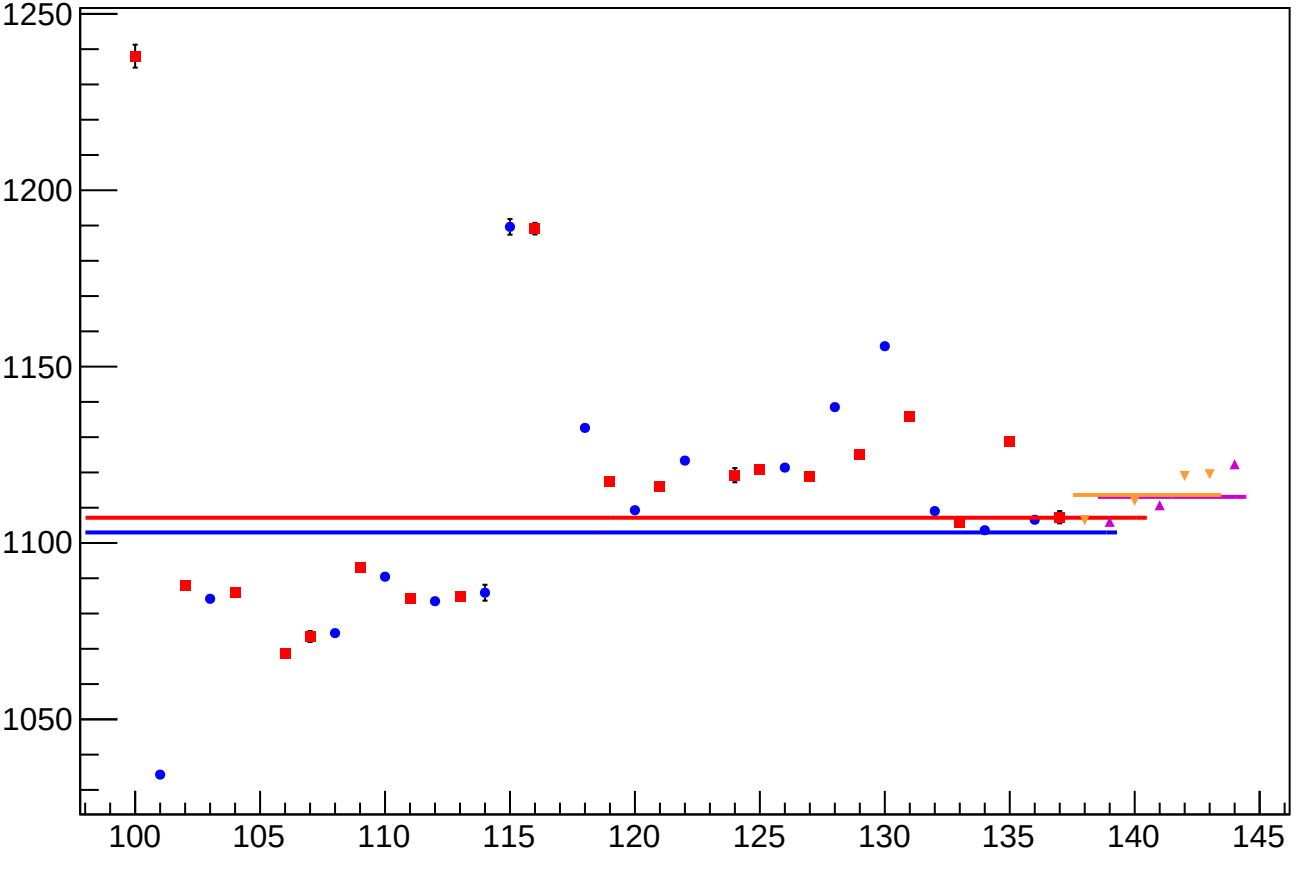
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2690.303+/-351.844 χ^2/NDF:10.3/18

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2245.625+/-245.929 χ^2/NDF: 29.9/41

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

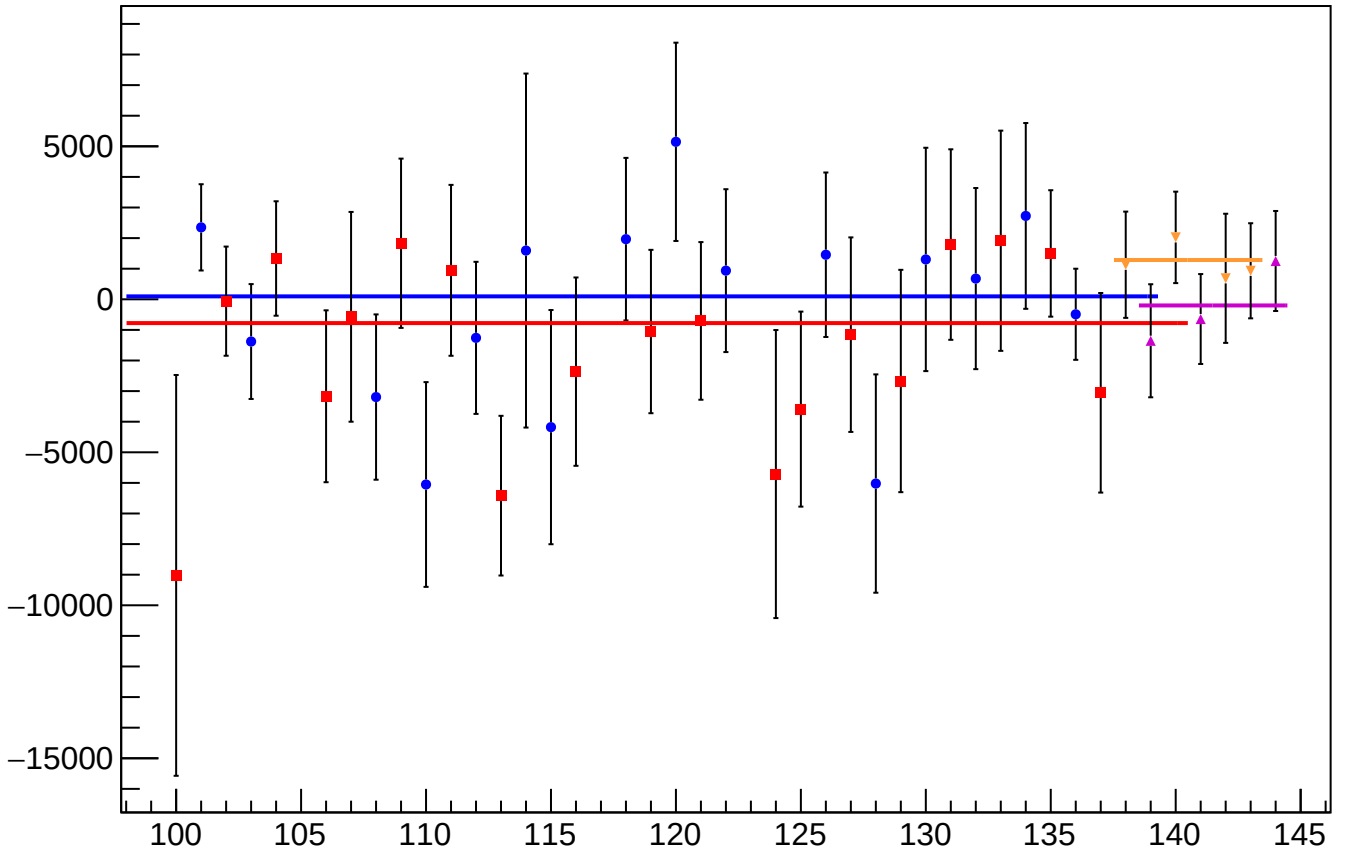
Left: 1113.366+/-0.335 χ^2/NDF: 334.0/6

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

In: 1105.642+/-0.249 χ^2/NDF:13742.1/18

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1107.327+/-0.174 χ^2/NDF: 22790.1/41



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -200.802+/-940.512 χ^2/NDF:1.3/2

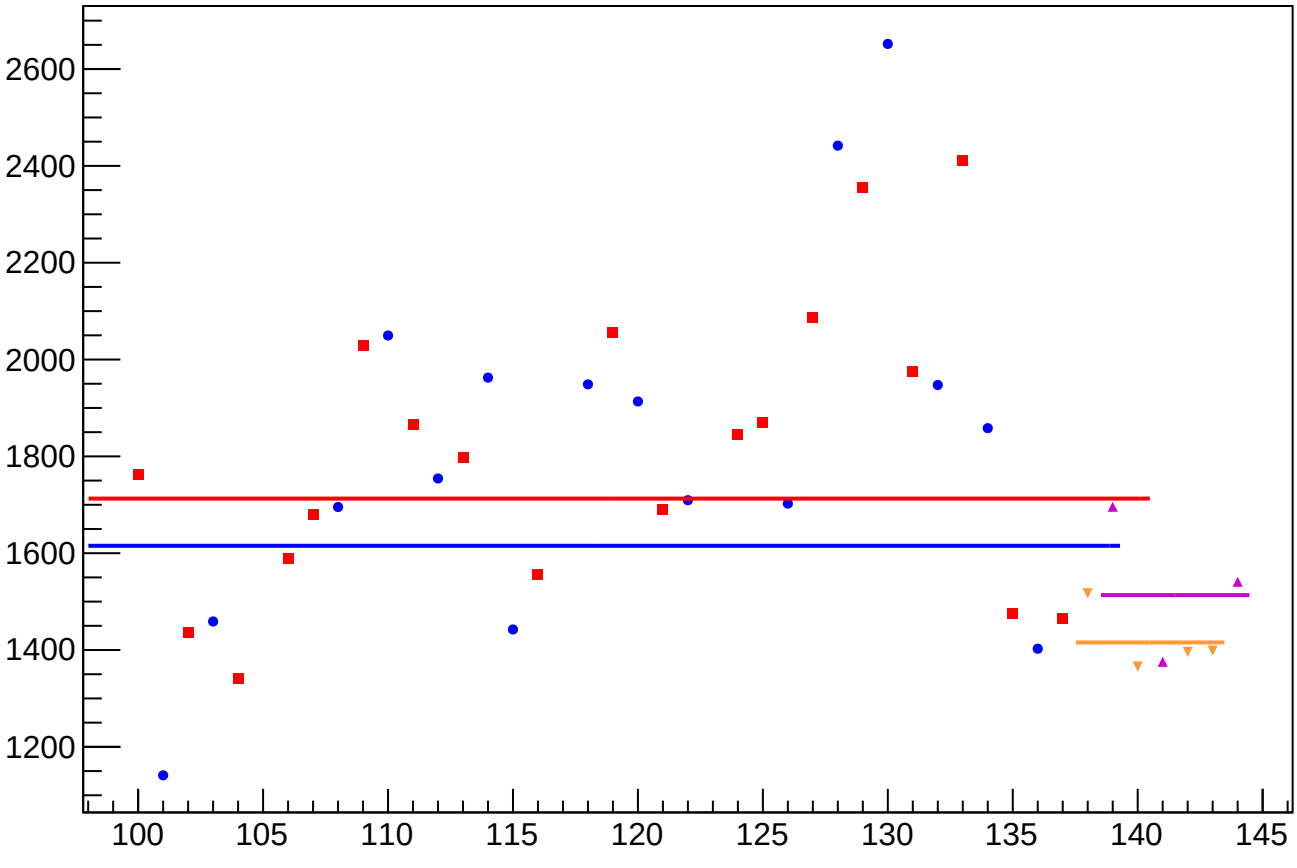
Left: 625.386+/-626.410 χ^2/NDF: 3.0/6

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

In: 6.445+/-516.534 χ^2/NDF:18.3/18

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -9.189+/-362.007 χ^2/NDF: 37.5/41



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

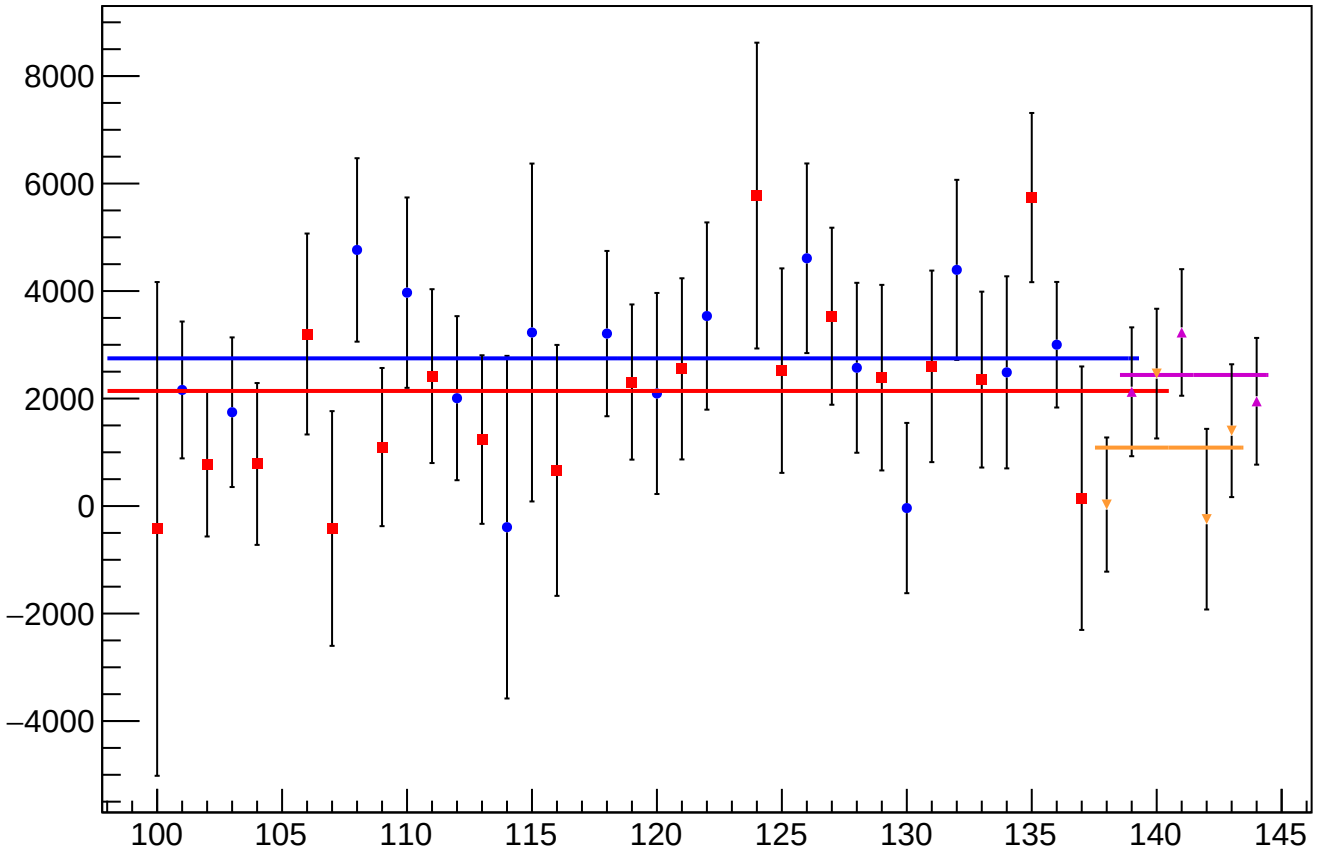
Left: 1459.035+/-0.443 χ^2/NDF: 59177.7/6

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

In: 1584.587+/-0.365 χ^2/NDF:747702.1/18

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1594.608+/-0.256 χ^2/NDF: 1345659.5/41



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

Left Out: 1087.389+/-654.059 χ^2/NDF:2.7/3

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

Left In: 2438.926+/-684.136 χ^2/NDF:0.7/2

Left: 1732.796+/-472.765 χ^2/NDF: 5.4/6

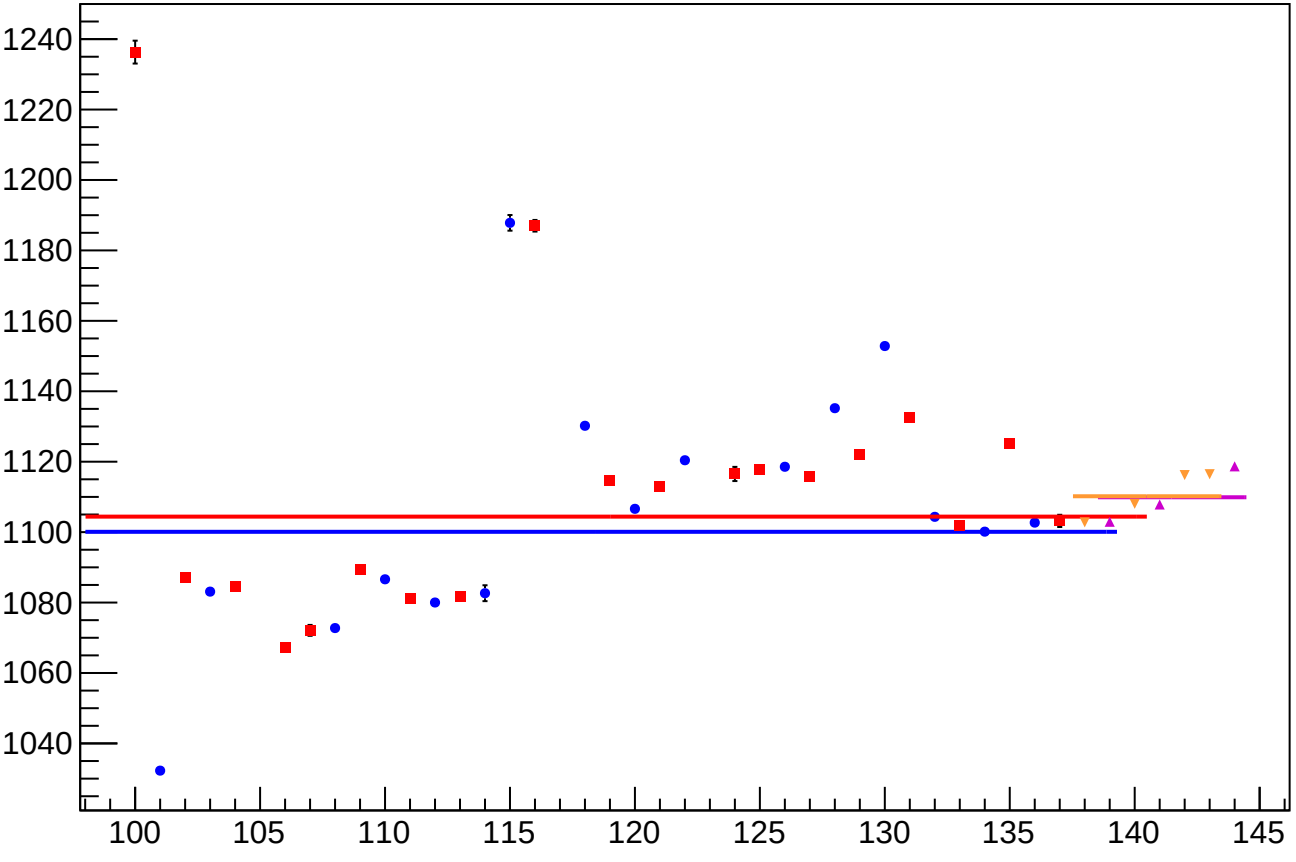
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2666.646+/-350.897 χ^2/NDF:10.3/18

Out: 1851.416+/-342.970 χ^2/NDF:18.1/22

All: 2249.719+/-245.271 χ^2/NDF: 31.3/41

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1110.186+/-0.462 χ^2/NDF:153.7/3

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1109.901+/-0.484 χ^2/NDF:184.2/2

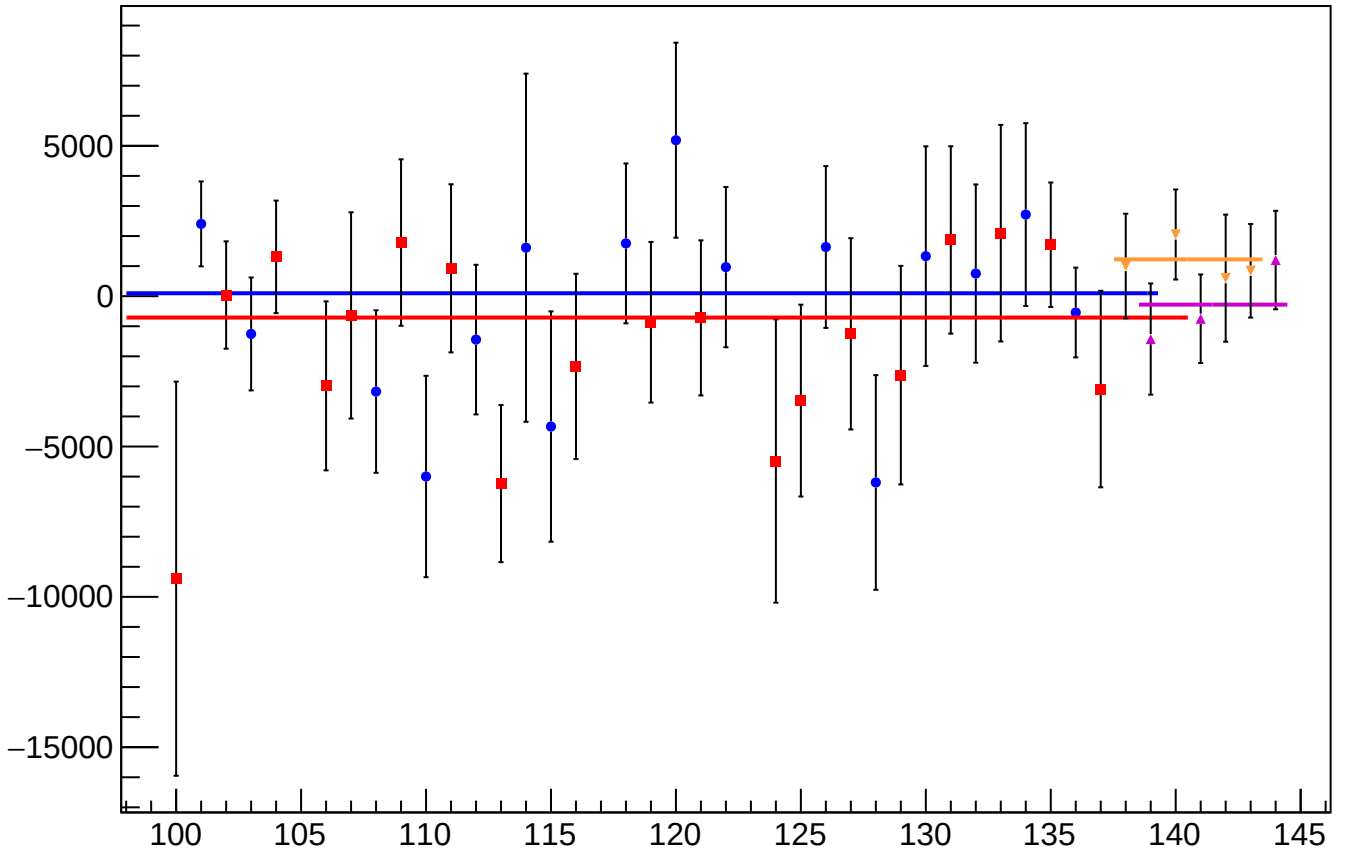
Left: 1110.050+/-0.334 χ^2/NDF: 338.2/6

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

In: 1102.671+/-0.248 χ^2/NDF:13564.5/18

Out: 1105.993+/-0.243 χ^2/NDF:8810.6/22

All: 1104.370+/-0.173 χ^2/NDF: 22466.8/41



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1224.047+/-841.378 χ^2/NDF:0.5/3

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -280.198+/-941.979 χ^2/NDF:1.3/2

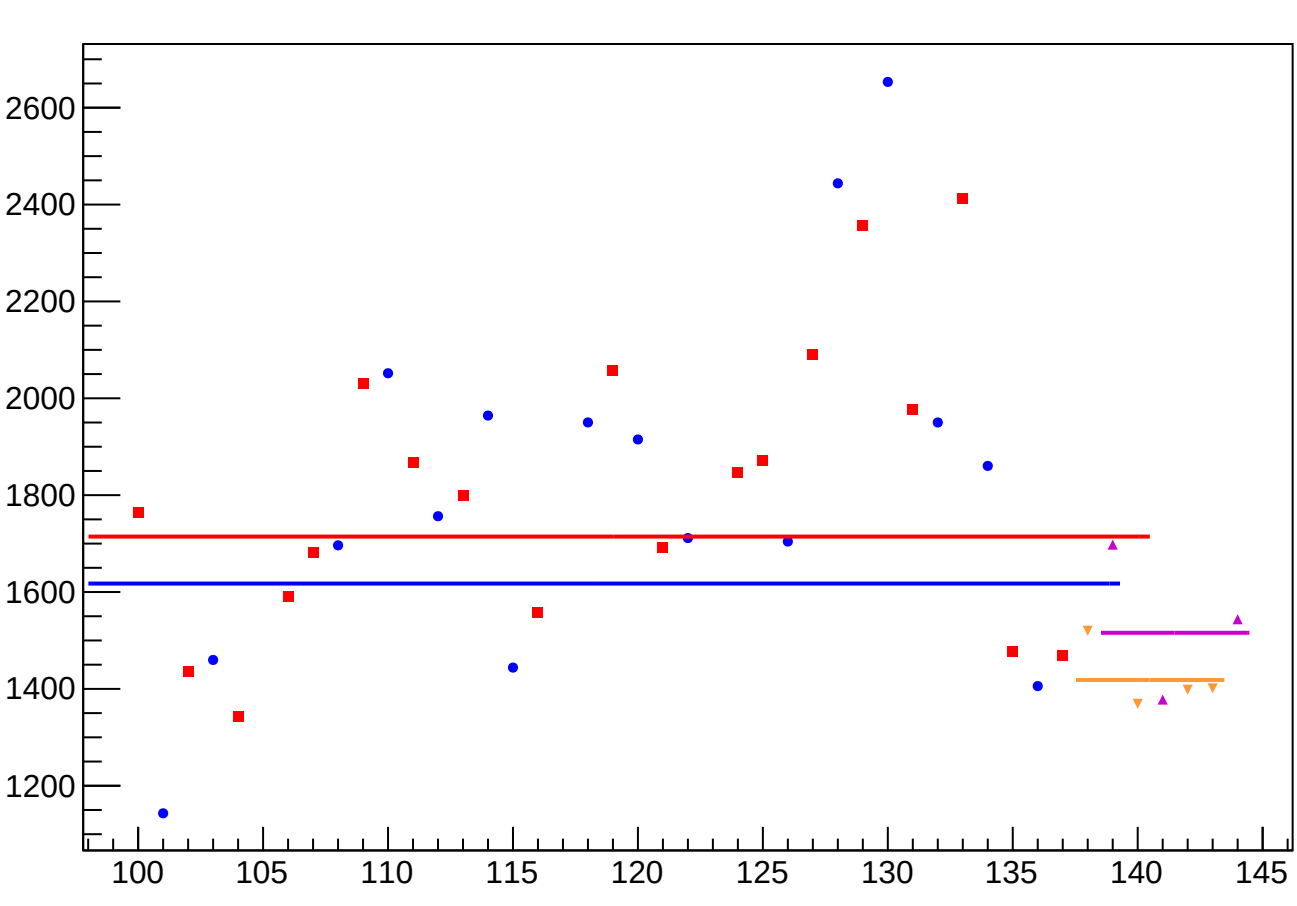
Left: 556.511+/-627.508 χ^2/NDF: 3.2/6

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

In: -16.422+/-517.233 χ^2/NDF:18.7/18

Out: -5.326+/-508.163 χ^2/NDF:18.8/22

All: -10.776+/-362.490 χ^2/NDF: 37.4/41



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1418.405+/-0.595 χ^2/NDF:9424.0/3

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1515.856+/-0.666 χ^2/NDF:37517.4/2

Left: 1461.651+/-0.444 χ^2/NDF: 58847.8/6

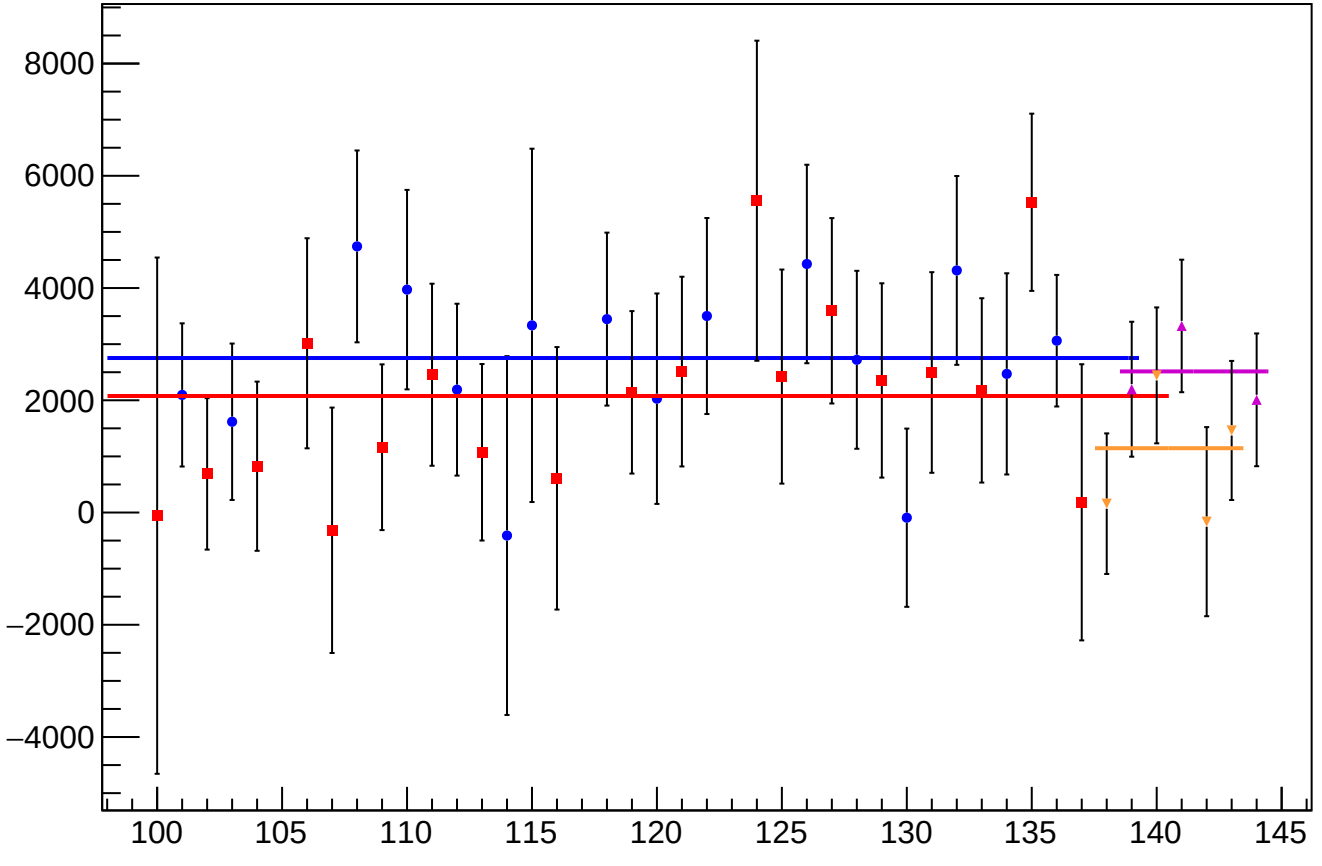
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1586.848+/-0.366 χ^2/NDF:745505.6/18

Out: 1606.497+/-0.359 χ^2/NDF:594481.3/22

All: 1596.846+/-0.256 χ^2/NDF: 1341455.6/41

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2514.251+/-686.097 χ^2/NDF:0.7/2

Left: 1799.534+/-474.178 χ^2/NDF: 5.2/6

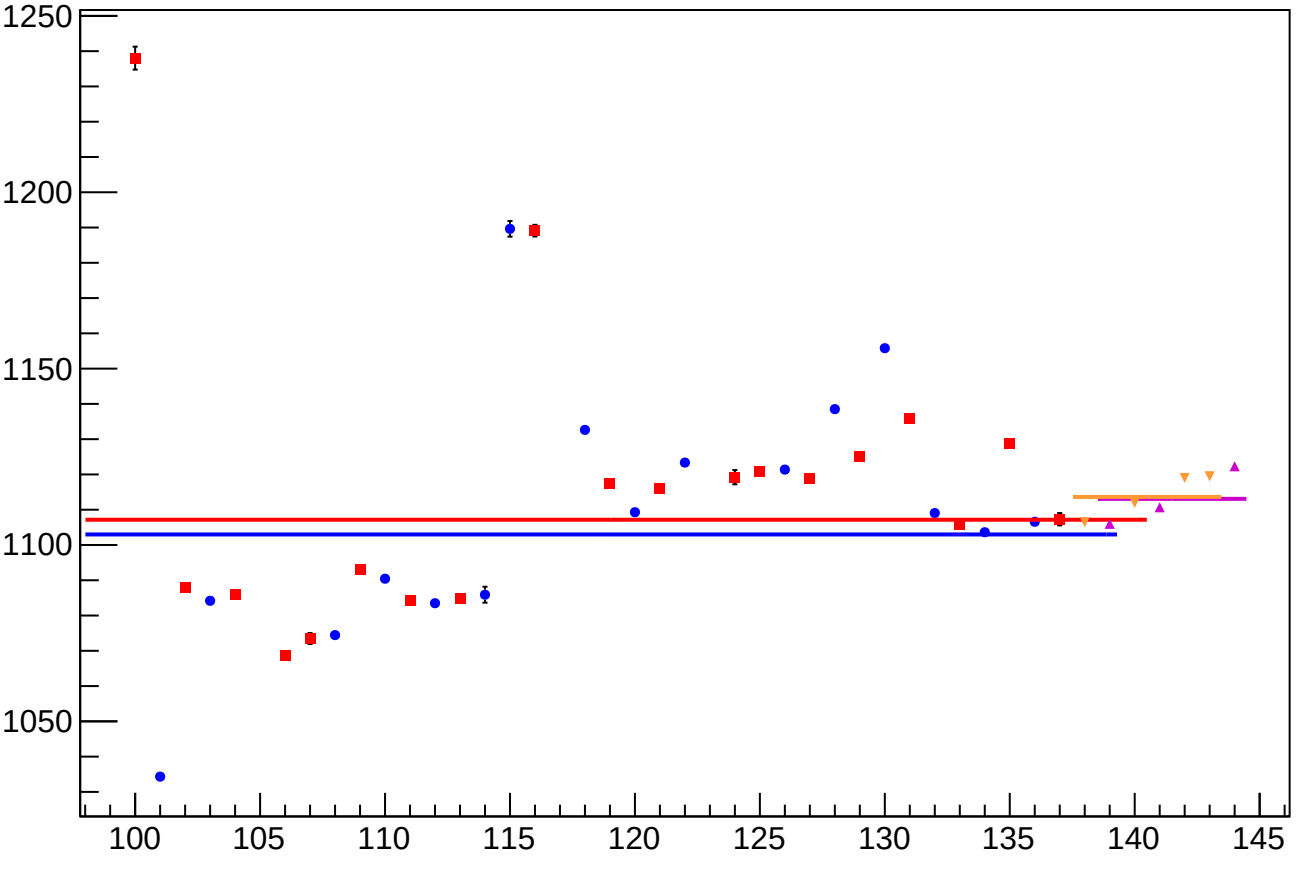
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2690.303+/-351.844 χ^2/NDF:10.3/18

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2245.625+/-245.929 χ^2/NDF: 29.9/41

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1113.080+/-0.485 χ^2/NDF:199.4/2

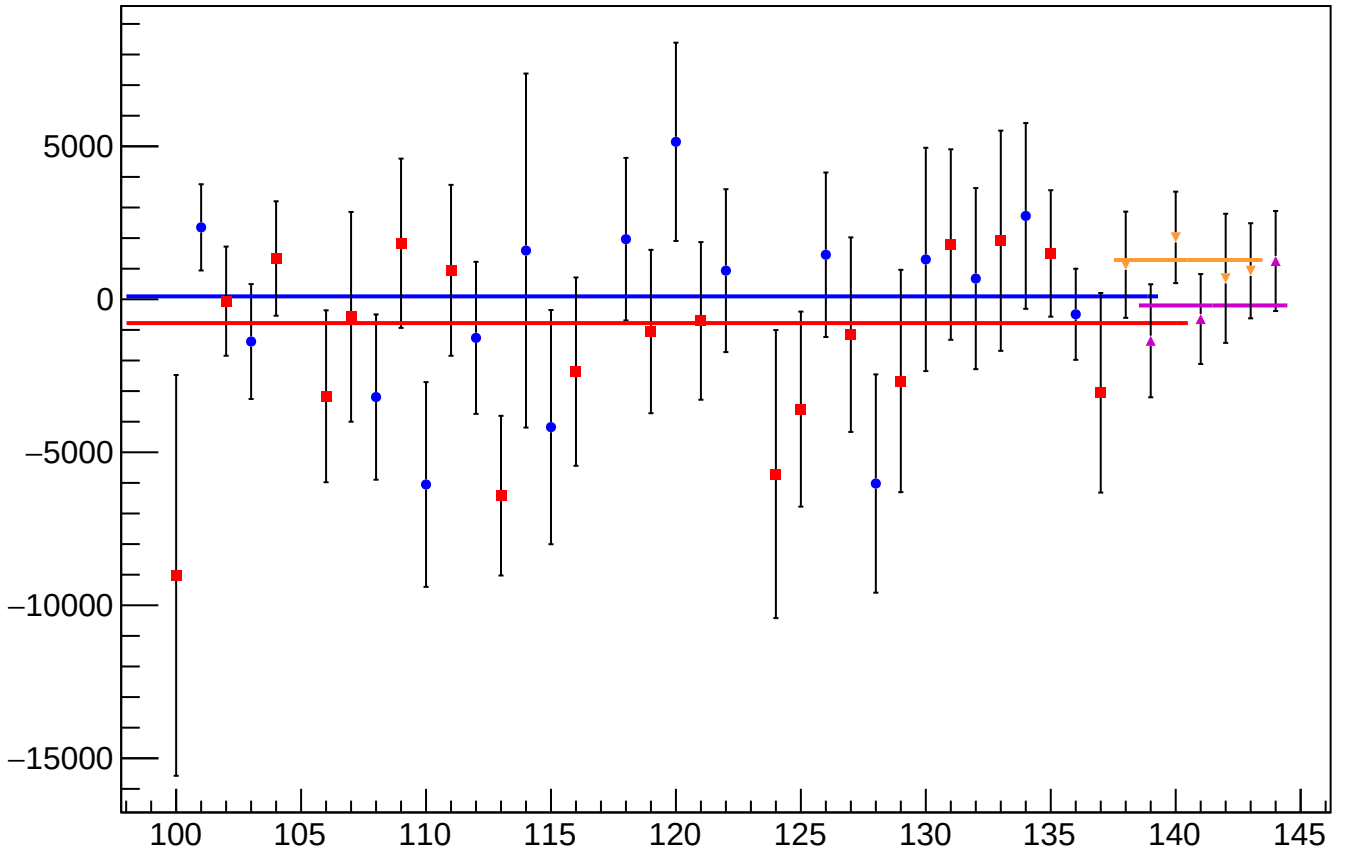
Left: 1113.366+/-0.335 χ^2/NDF: 334.0/6

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

In: 1105.642+/-0.249 χ^2/NDF:13742.1/18

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1107.327+/-0.174 χ^2/NDF: 22790.1/41



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -200.802+/-940.512 χ^2/NDF:1.3/2

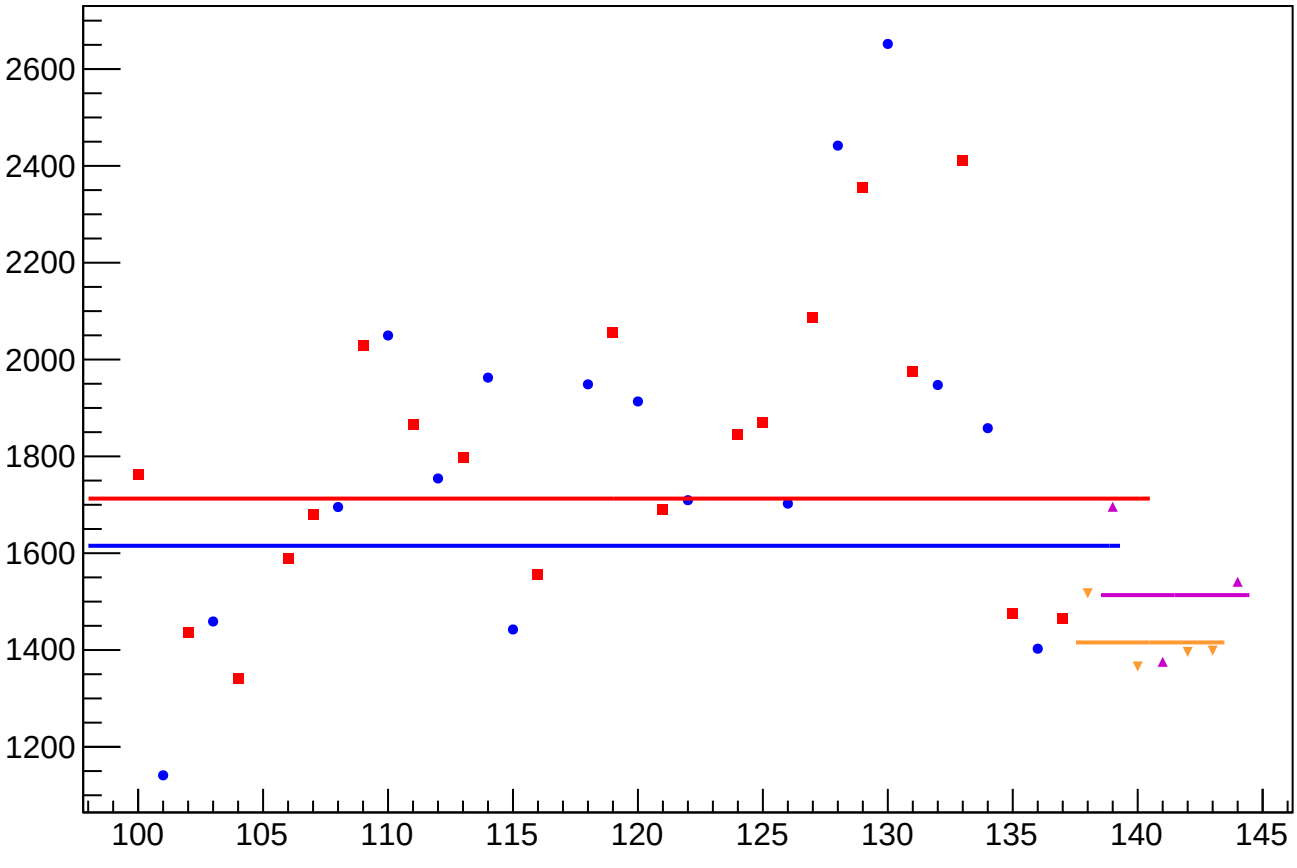
Left: 625.386+/-626.410 χ^2/NDF: 3.0/6

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

In: 6.445+/-516.534 χ^2/NDF:18.3/18

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -9.189+/-362.007 χ^2/NDF: 37.5/41



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1513.441+/-0.665 χ^2/NDF:37684.2/2

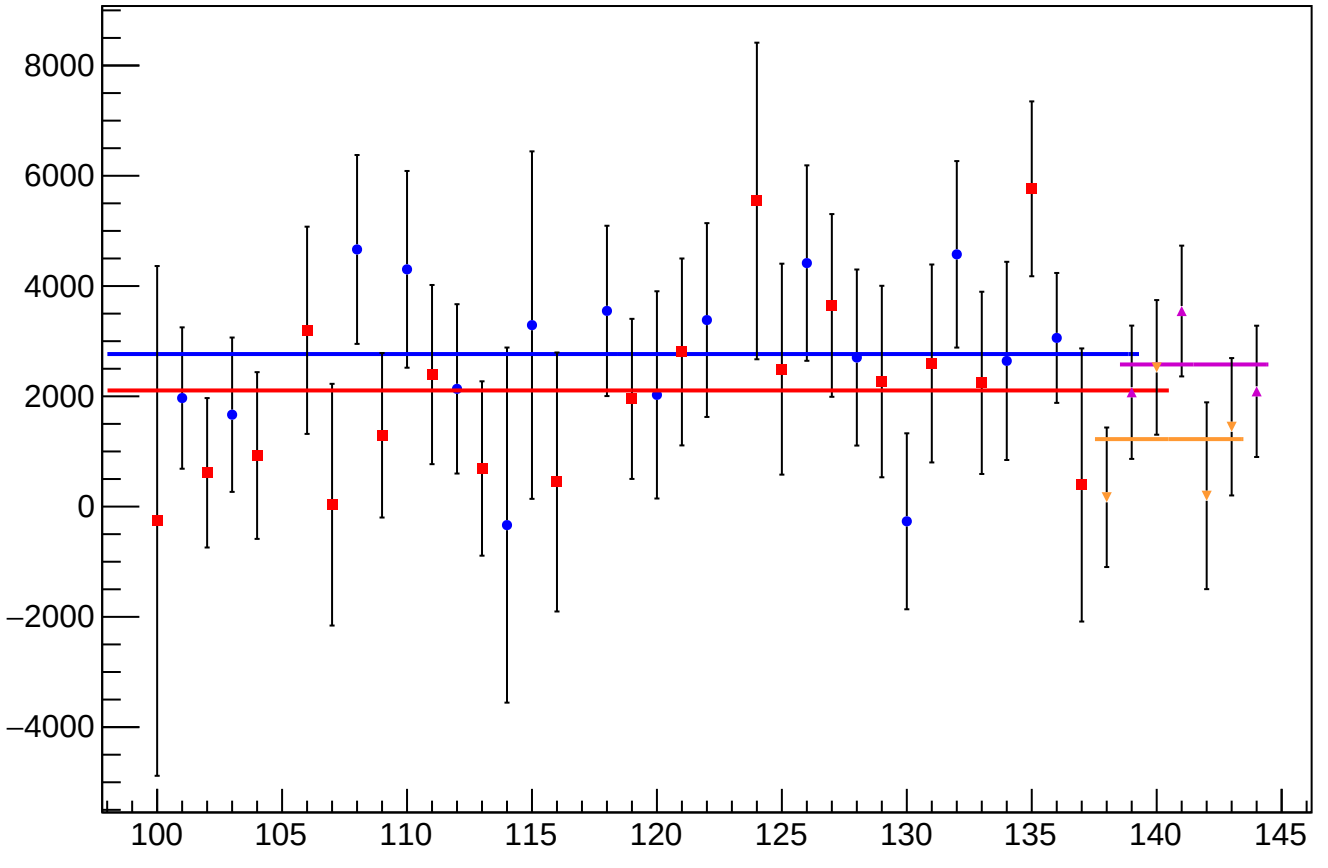
Left: 1459.035+/-0.443 χ^2/NDF: 59177.7/6

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

In: 1584.587+/-0.365 χ^2/NDF:747702.1/18

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1594.608+/-0.256 χ^2/NDF: 1345659.5/41



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1223.860+/-661.079 χ^2/NDF:2.2/3

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2577.742+/-689.915 χ^2/NDF:1.0/2

Left: 1871.917+/-477.322 χ^2/NDF: 5.2/6

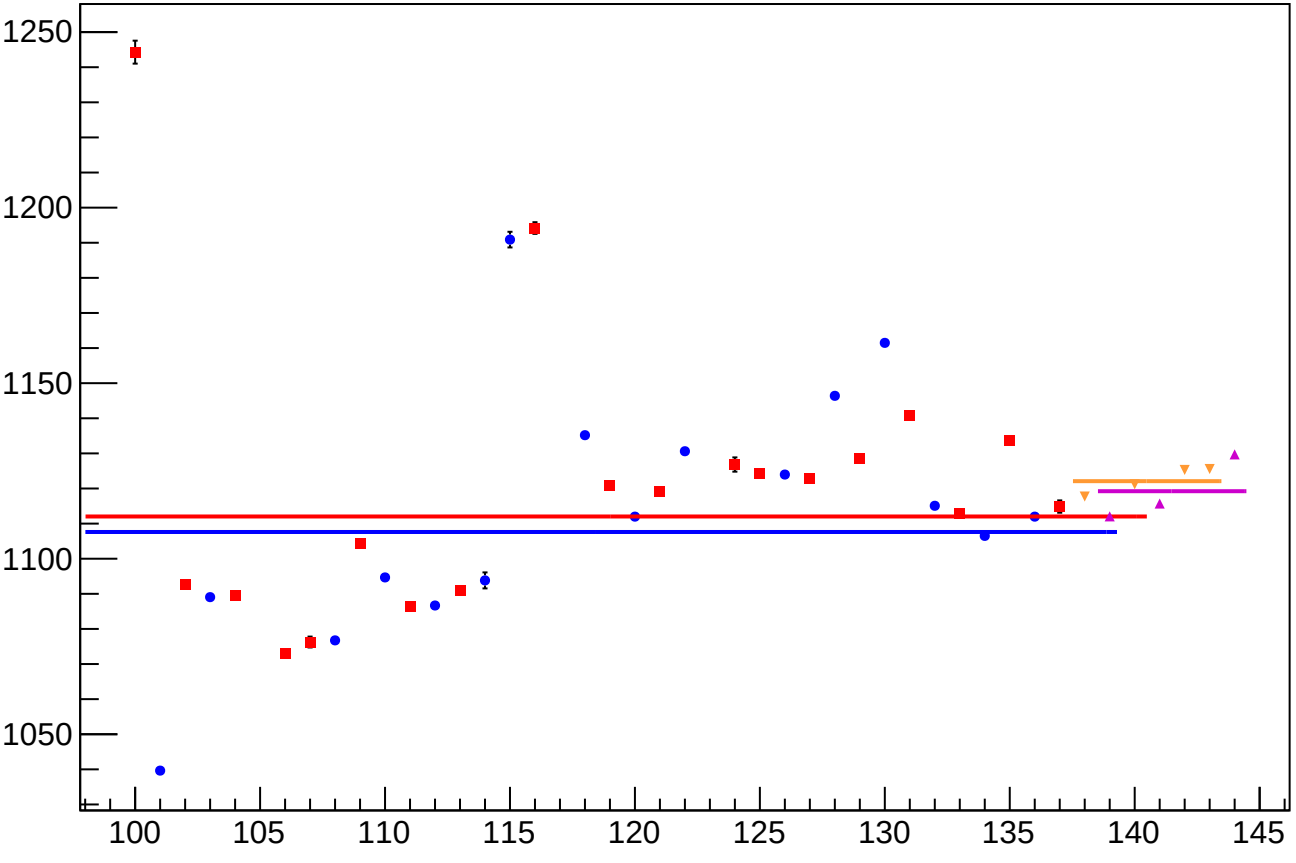
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2717.074+/-353.450 χ^2/NDF:11.4/18

Out: 1865.020+/-345.708 χ^2/NDF:16.9/22

All: 2281.612+/-247.144 χ^2/NDF: 31.2/41

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1119.230+/-0.488 χ^2/NDF:243.0/2

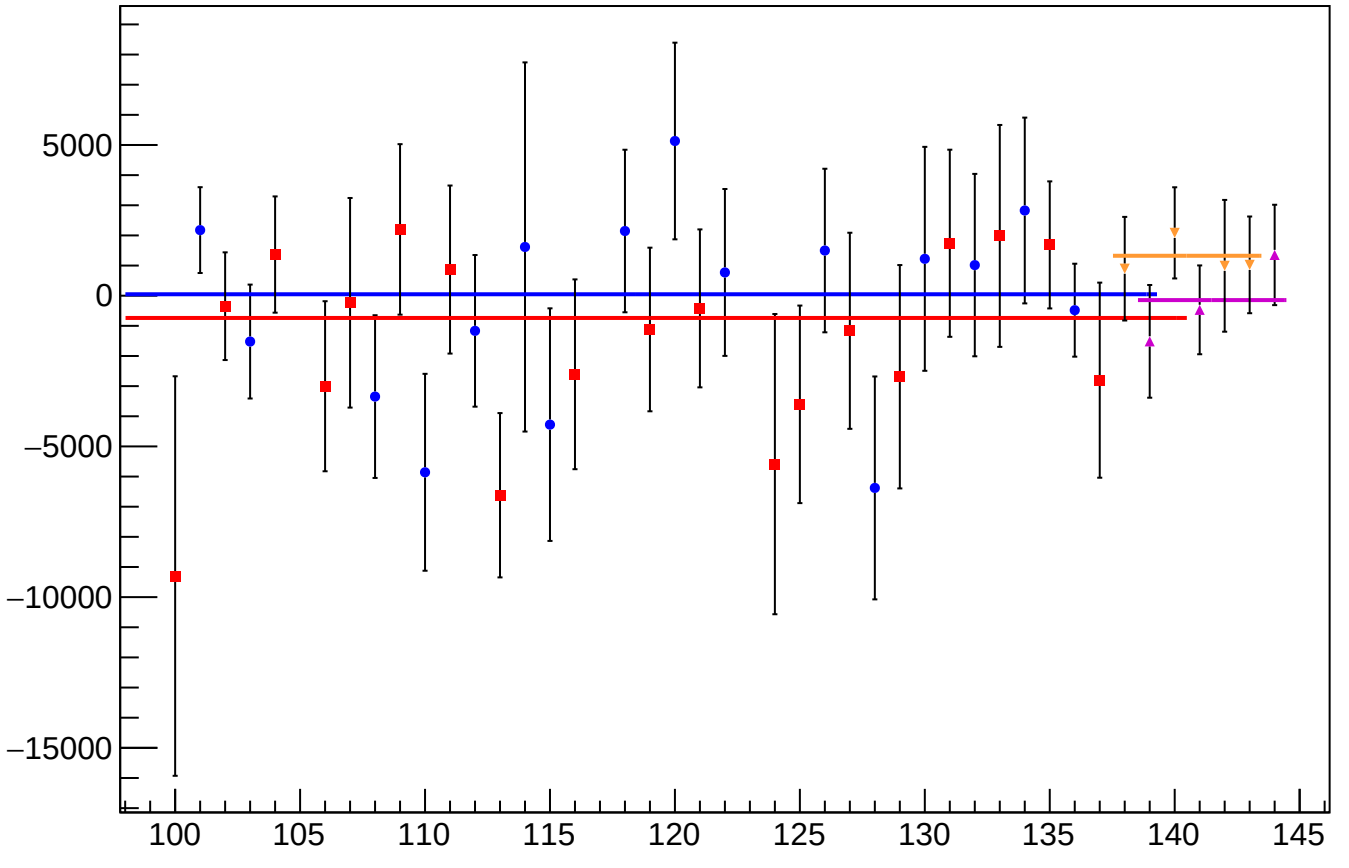
Left: 1120.721+/-0.338 χ^2/NDF: 308.5/6

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

In: 1110.662+/-0.250 χ^2/NDF:13882.0/18

Out: 1114.781+/-0.244 χ^2/NDF:9037.7/22

All: 1112.767+/-0.175 χ^2/NDF: 23058.4/41



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1324.959+/-853.222 χ^2/NDF:0.4/3

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -145.550+/-950.253 χ^2/NDF:1.4/2

Left: 668.593+/-634.861 χ^2/NDF: 3.1/6

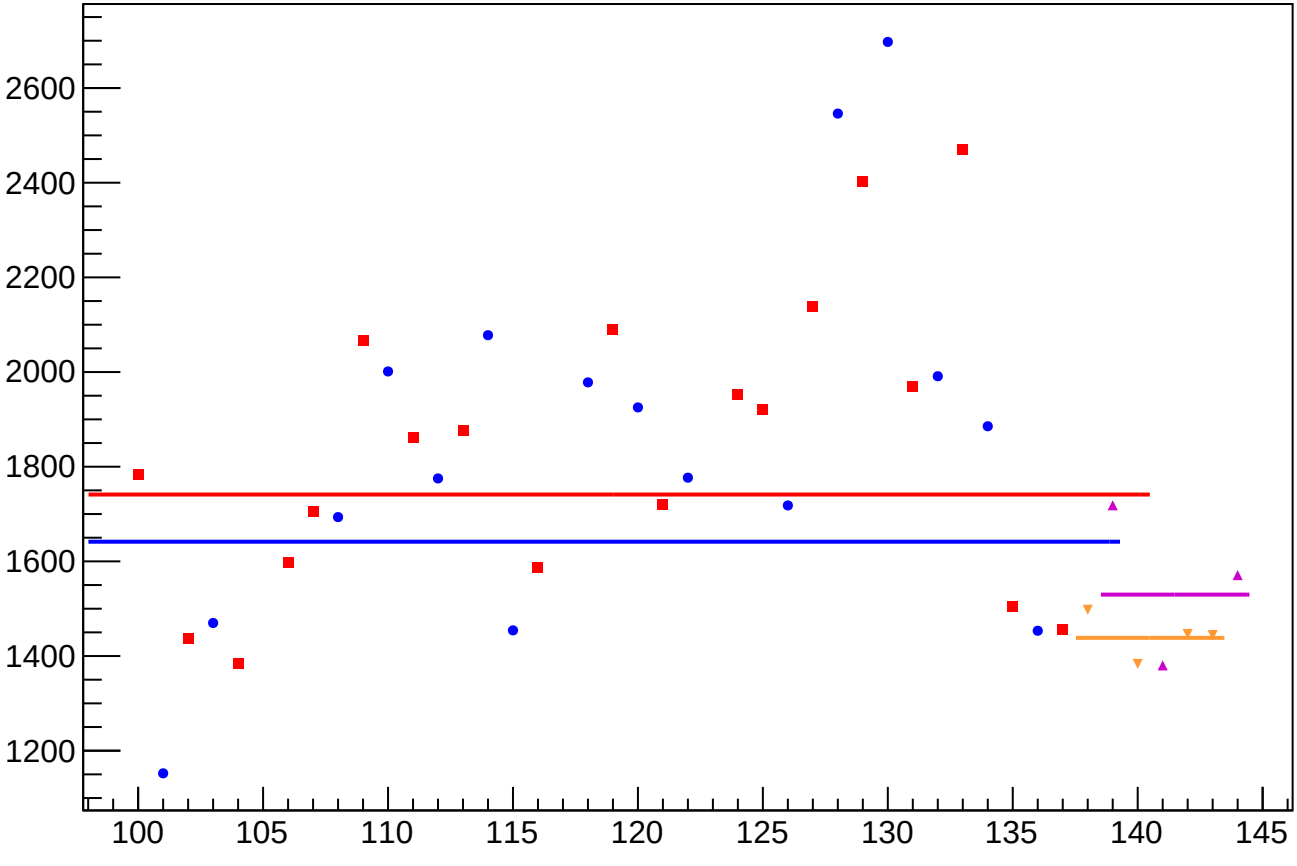
Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -10.972+/-523.959 χ^2/NDF:18.3/18

Out: 16.220+/-515.941 χ^2/NDF:19.0/22

All: 2.834+/-367.627 χ^2/NDF: 37.3/41

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1438.400+/-0.603 χ^2/NDF:5096.5/3

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1529.770+/-0.672 χ^2/NDF:42207.5/2

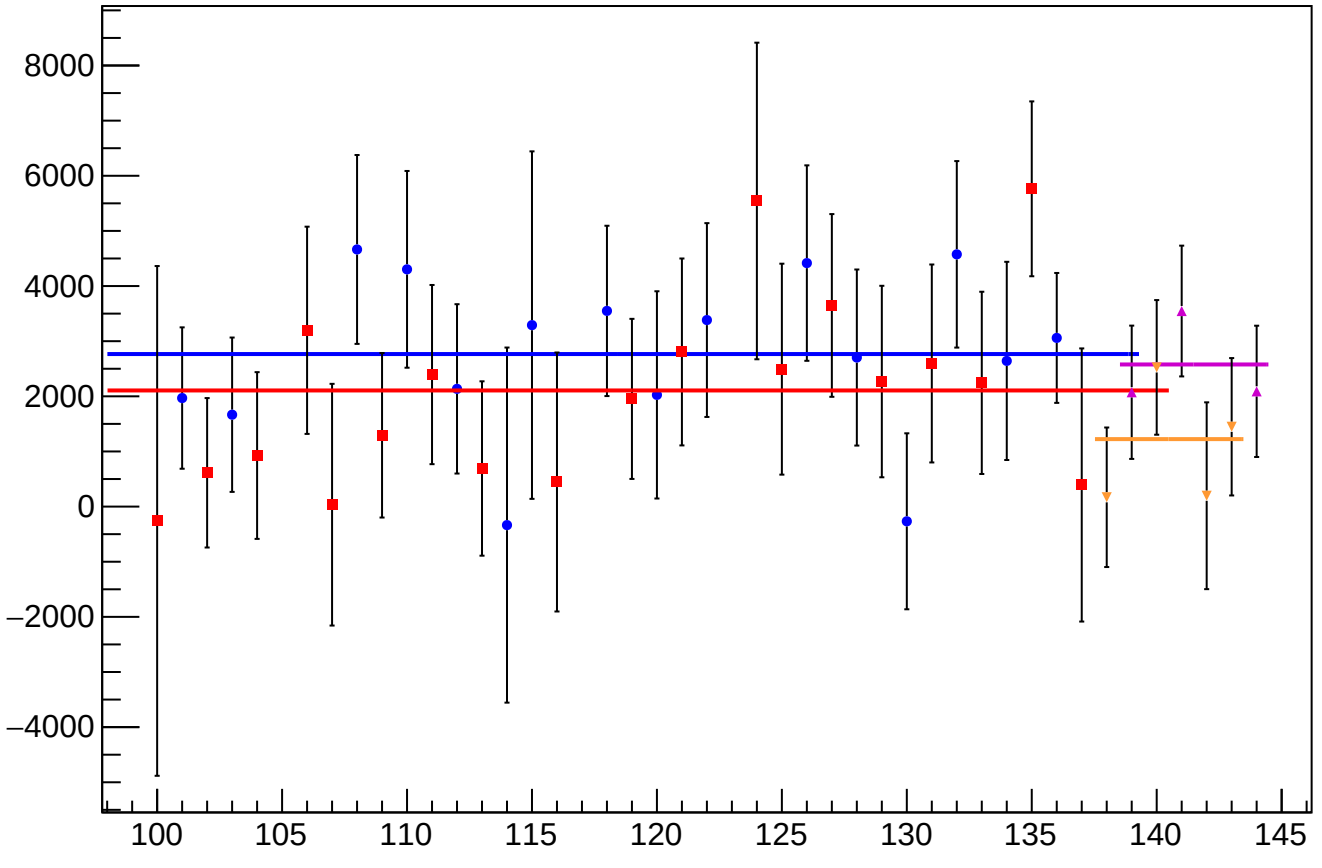
Left: 1479.183+/-0.449 χ^2/NDF: 57541.4/6

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

In: 1607.557+/-0.370 χ^2/NDF:762775.3/18

Out: 1630.479+/-0.365 χ^2/NDF:603219.7/22

All: 1619.195+/-0.260 χ^2/NDF: 1367938.4/41



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

Left Out: 1223.860+/-661.079 χ^2/NDF:2.2/3

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

Left In: 2577.739+/-689.915 χ^2/NDF:1.0/2

Left: 1871.915+/-477.322 χ^2/NDF: 5.2/6

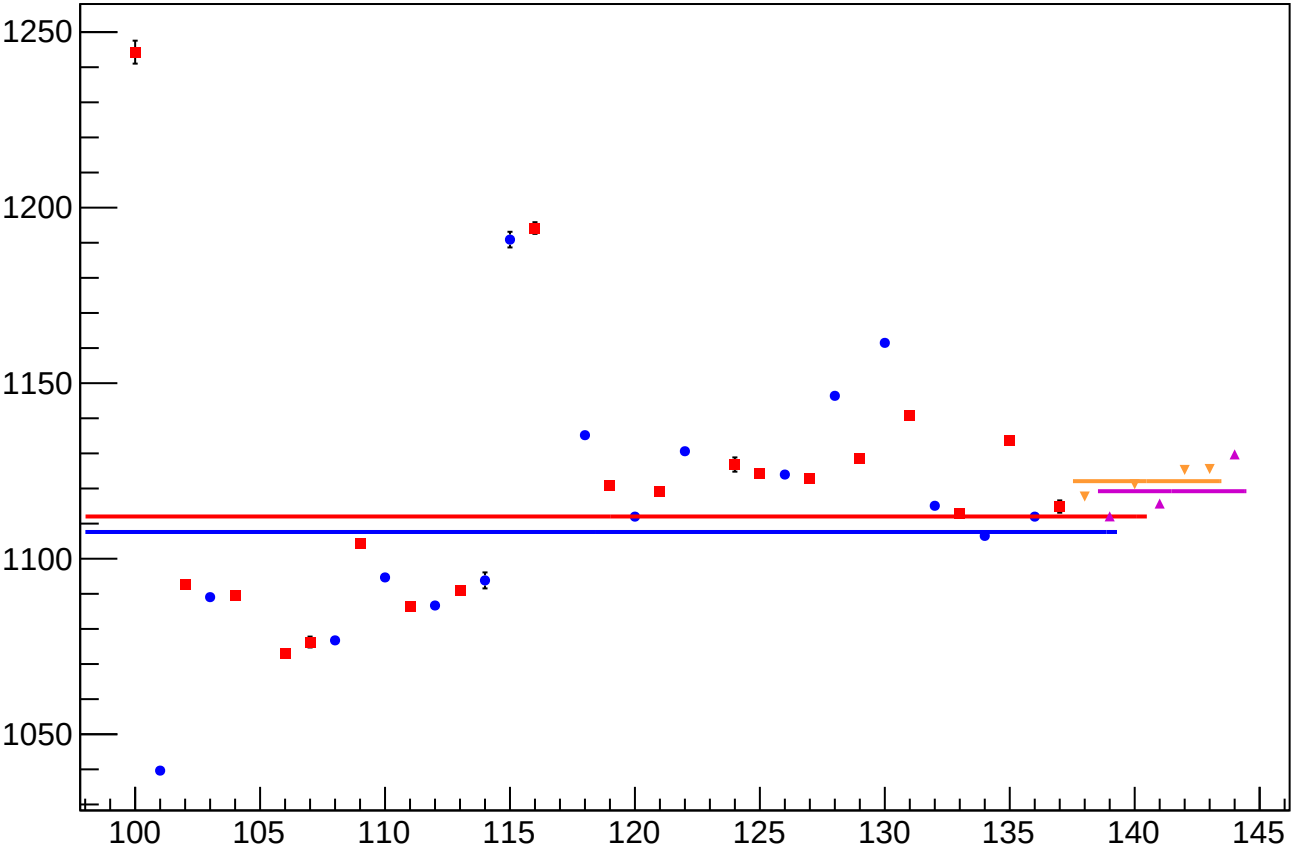
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2717.072+/-353.450 χ^2/NDF:11.4/18

Out: 1865.022+/-345.708 χ^2/NDF:16.9/22

All: 2281.612+/-247.144 χ^2/NDF: 31.2/41

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1119.230+/-0.488 χ^2/NDF:243.0/2

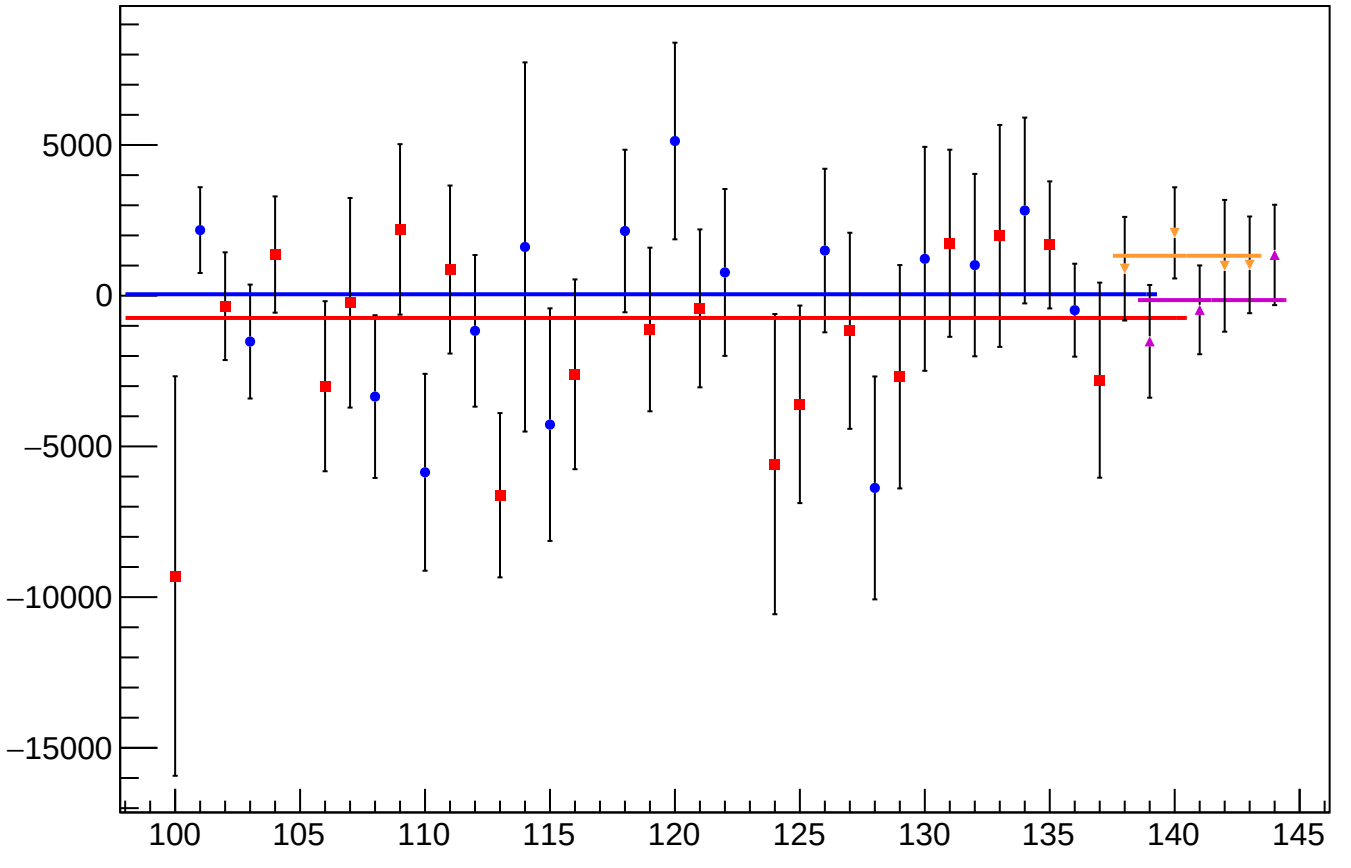
Left: 1120.721+/-0.338 χ^2/NDF: 308.5/6

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

In: 1110.662+/-0.250 χ^2/NDF:13881.9/18

Out: 1114.780+/-0.244 χ^2/NDF:9037.7/22

All: 1112.767+/-0.175 χ^2/NDF: 23058.4/41



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1324.961+/-853.225 χ^2/NDF:0.4/3

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -145.552+/-950.256 χ^2/NDF:1.4/2

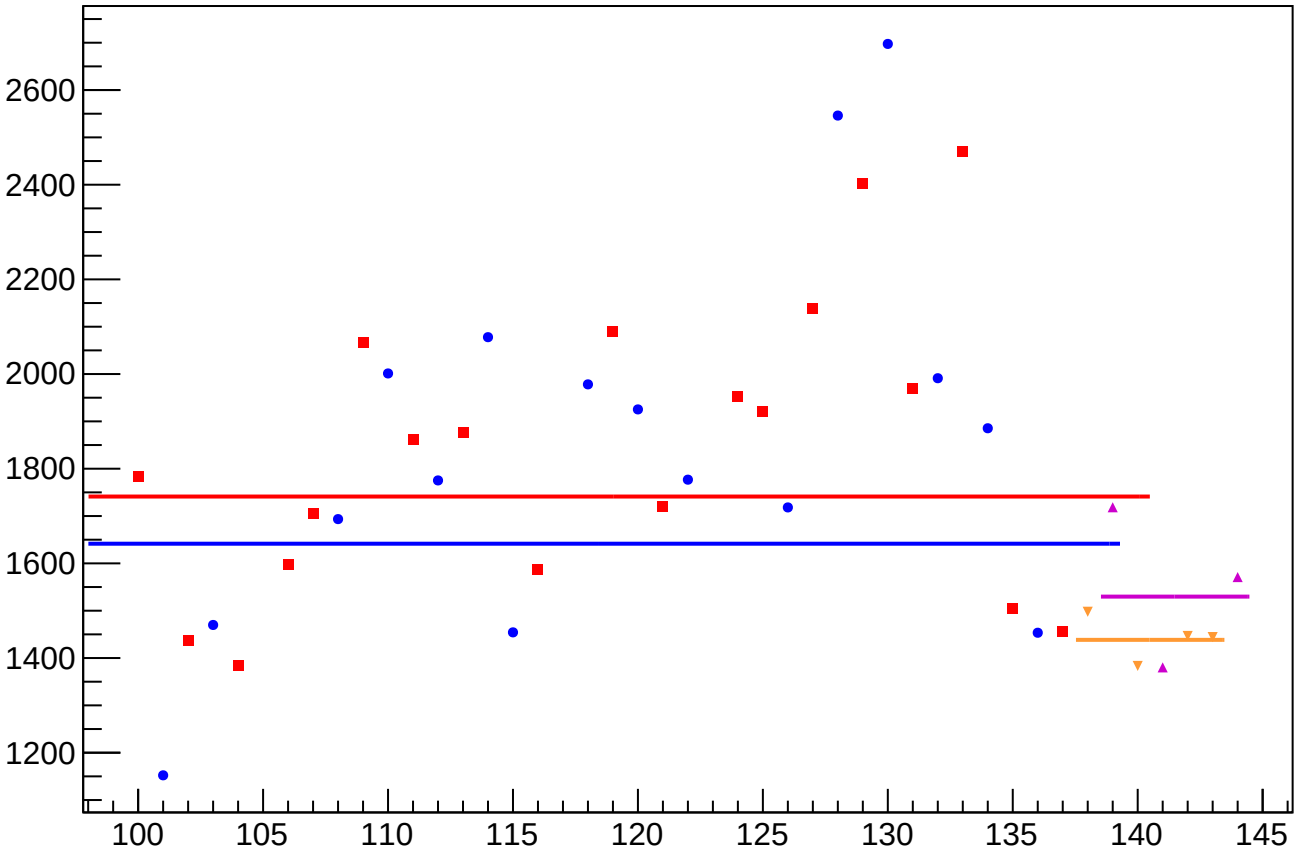
Left: 668.593+/-634.863 χ^2/NDF: 3.1/6

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

In: -10.975+/-523.958 χ^2/NDF:18.3/18

Out: 16.214+/-515.941 χ^2/NDF:19.0/22

All: 2.829+/-367.627 χ^2/NDF: 37.3/41



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1438.404+/-0.603 χ^2/NDF:5096.8/3

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1529.774+/-0.672 χ^2/NDF:42208.6/2

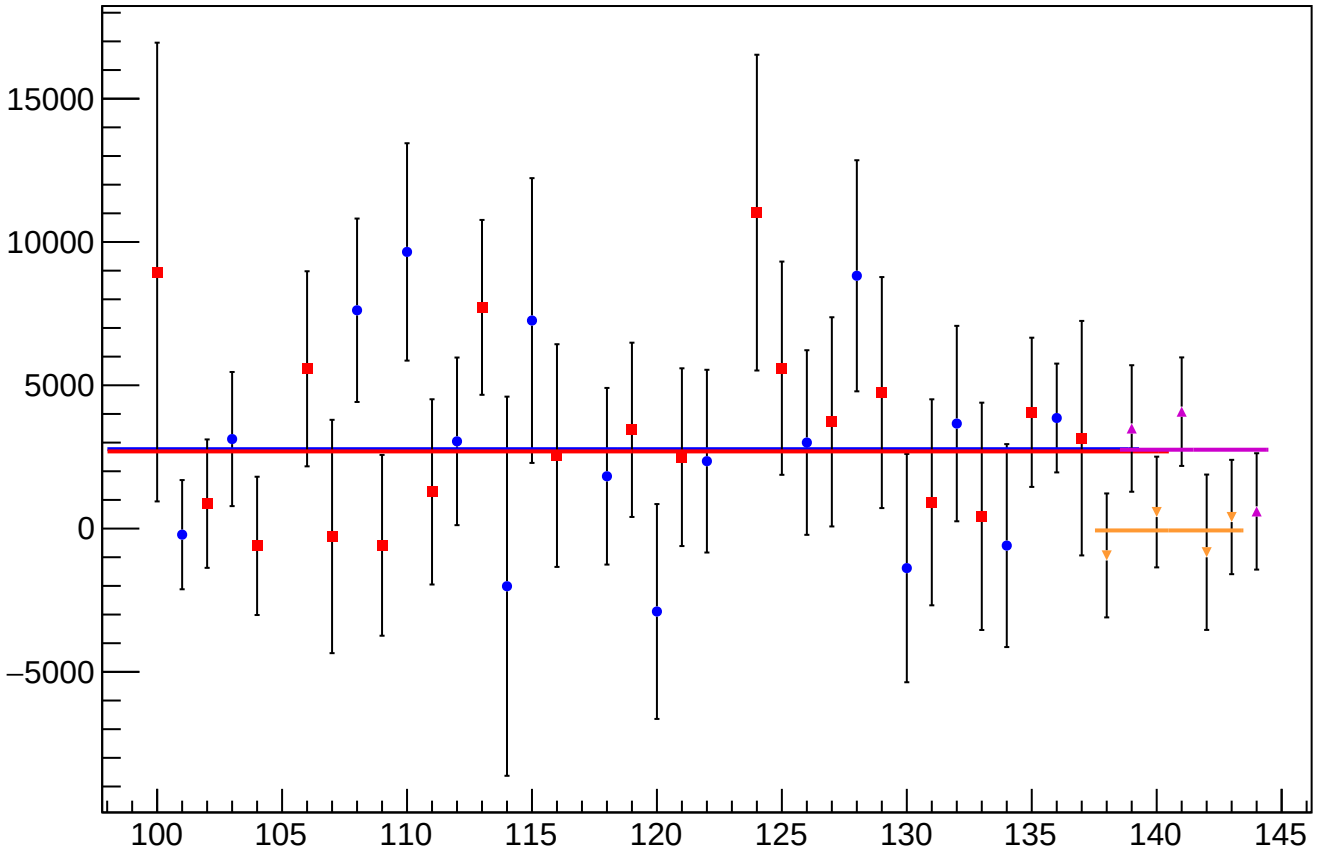
Left: 1479.187+/-0.449 χ^2/NDF: 57543.0/6

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

In: 1607.557+/-0.370 χ^2/NDF:762761.9/18

Out: 1630.480+/-0.365 χ^2/NDF:603202.1/22

All: 1619.195+/-0.260 χ^2/NDF: 1367907.5/41



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -64.832+/-1072.565 χ^2/NDF:0.4/3

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2751.807+/-1172.974 χ^2/NDF:1.7/2

Left: 1217.794+/-791.540 χ^2/NDF: 5.3/6

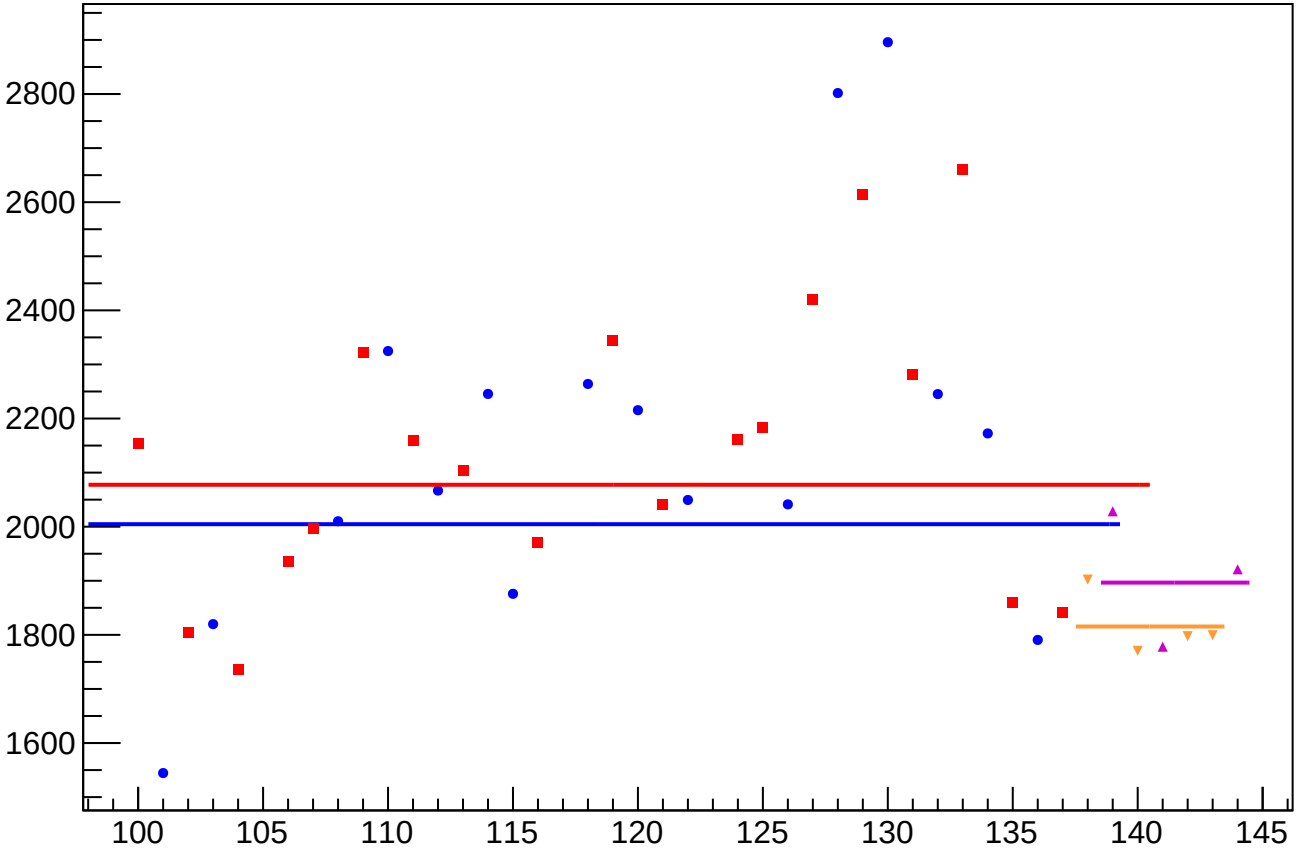
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2764.616+/-636.109 χ^2/NDF:18.2/18

Out: 1761.638+/-623.220 χ^2/NDF:17.3/22

All: 2252.862+/-445.170 χ^2/NDF: 36.8/41

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1815.419+/-0.758 χ^2/NDF:4518.0/3

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1896.615+/-0.829 χ^2/NDF:15266.1/2

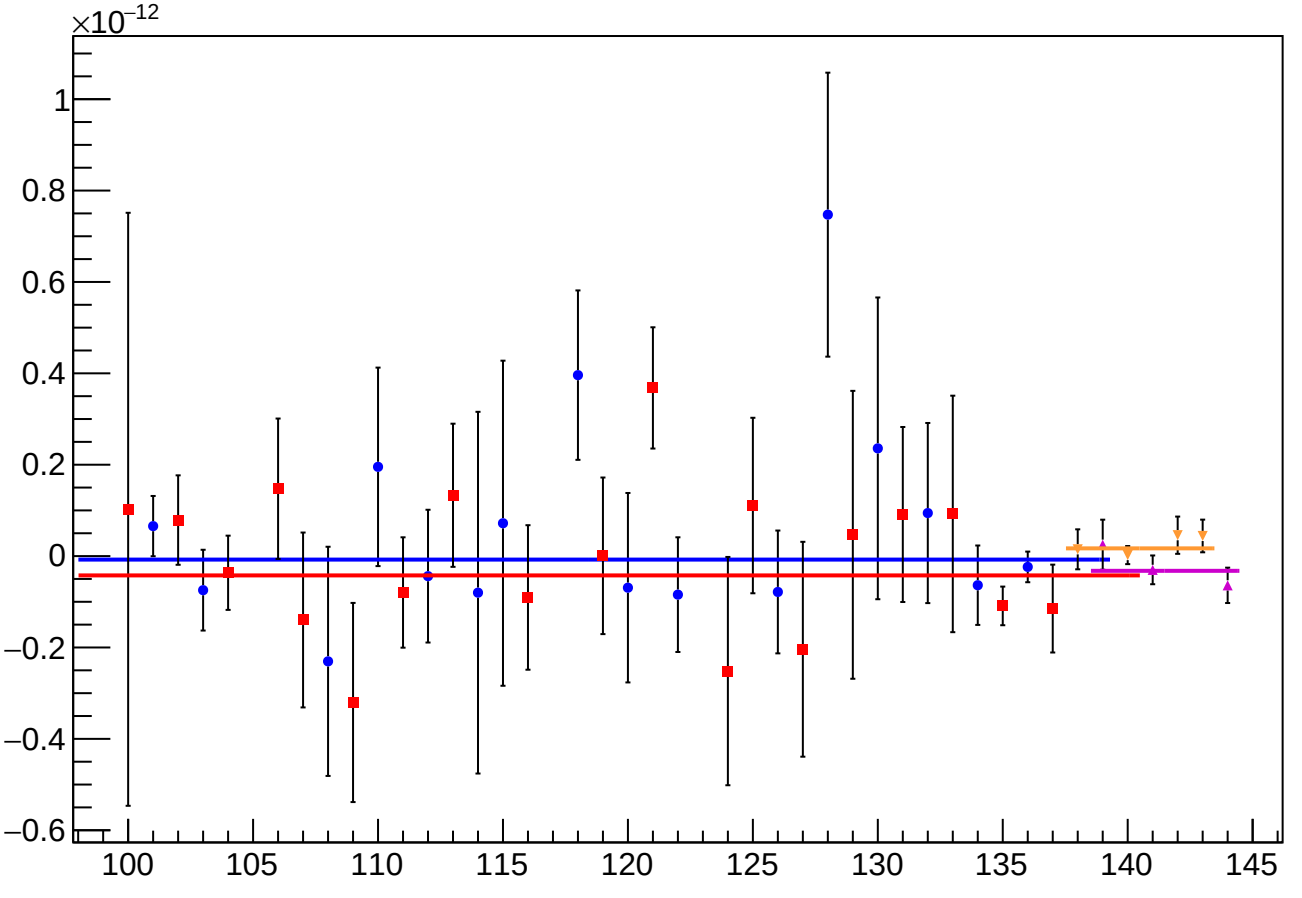
Left: 1852.394+/-0.560 χ^2/NDF: 25003.6/6

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

In: 1972.867+/-0.450 χ^2/NDF:414806.5/18

Out: 1989.015+/-0.441 χ^2/NDF:314096.9/22

All: 1981.106+/-0.315 χ^2/NDF: 729561.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/2

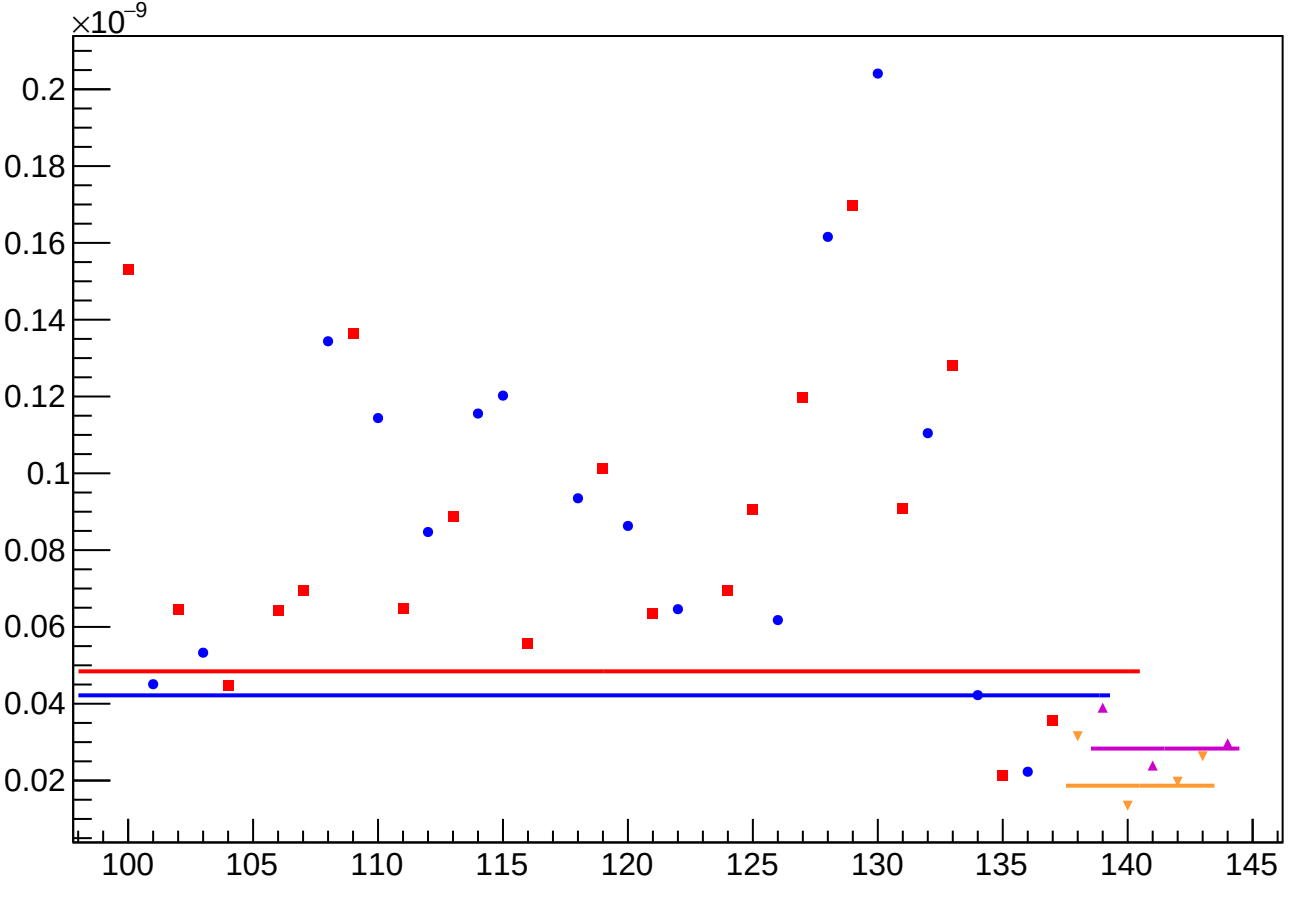
Left: 0.000+/-0.000 χ^2/NDF: 6.7/6

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

In: -0.000+/-0.000 χ^2/NDF:18.8/18

Out: 0.000+/-0.000 χ^2/NDF:27.1/22

All: -0.000+/-0.000 χ^2/NDF: 47.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:404755.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:117493.5/2

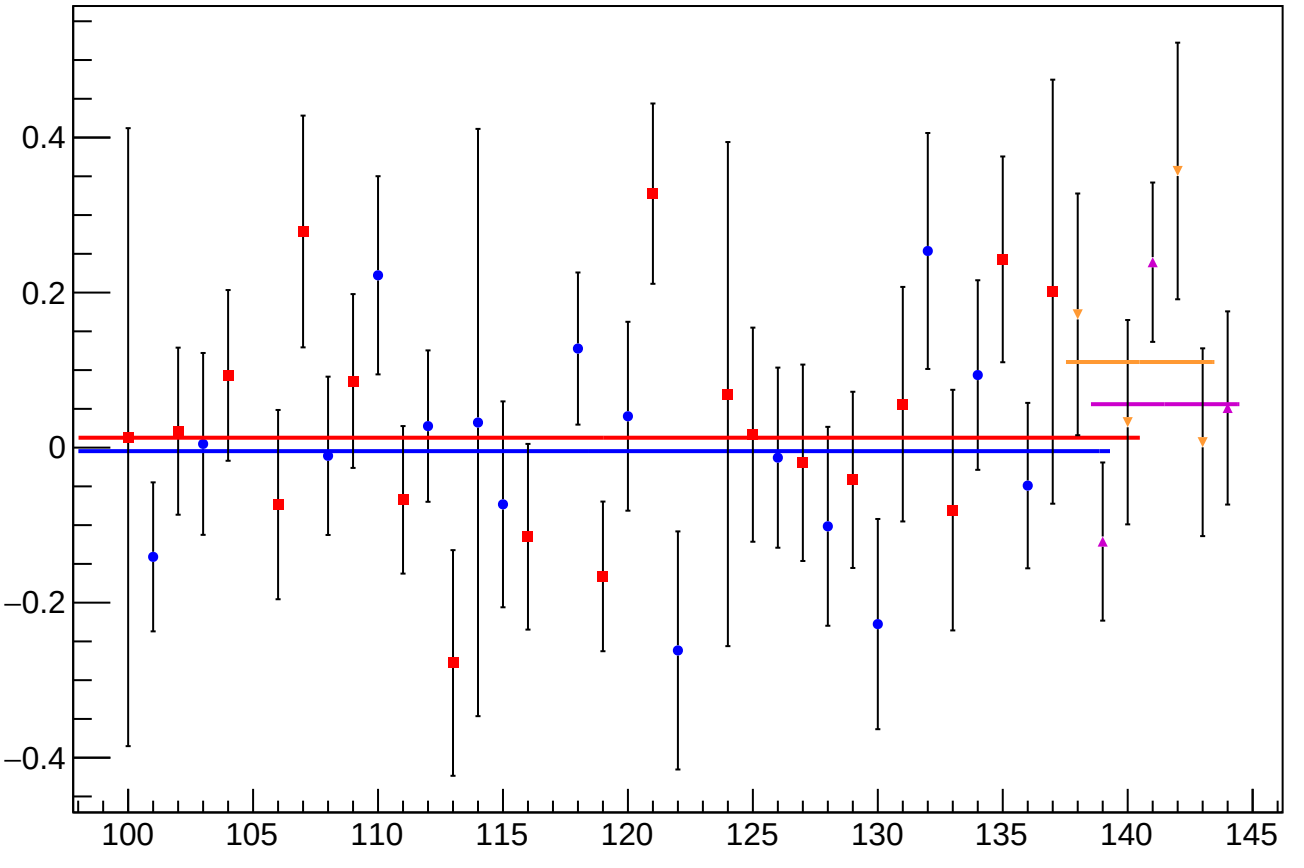
Left: 0.000+/-0.000 χ^2/NDF: 781182.7/6

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

In: 0.000+/-0.000 χ^2/NDF:3404259.1/18

Out: 0.000+/-0.000 χ^2/NDF:4867465.2/22

All: 0.000+/-0.000 χ^2/NDF: 8638889.4/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.056+/-0.063 χ^2/NDF:6.2/2

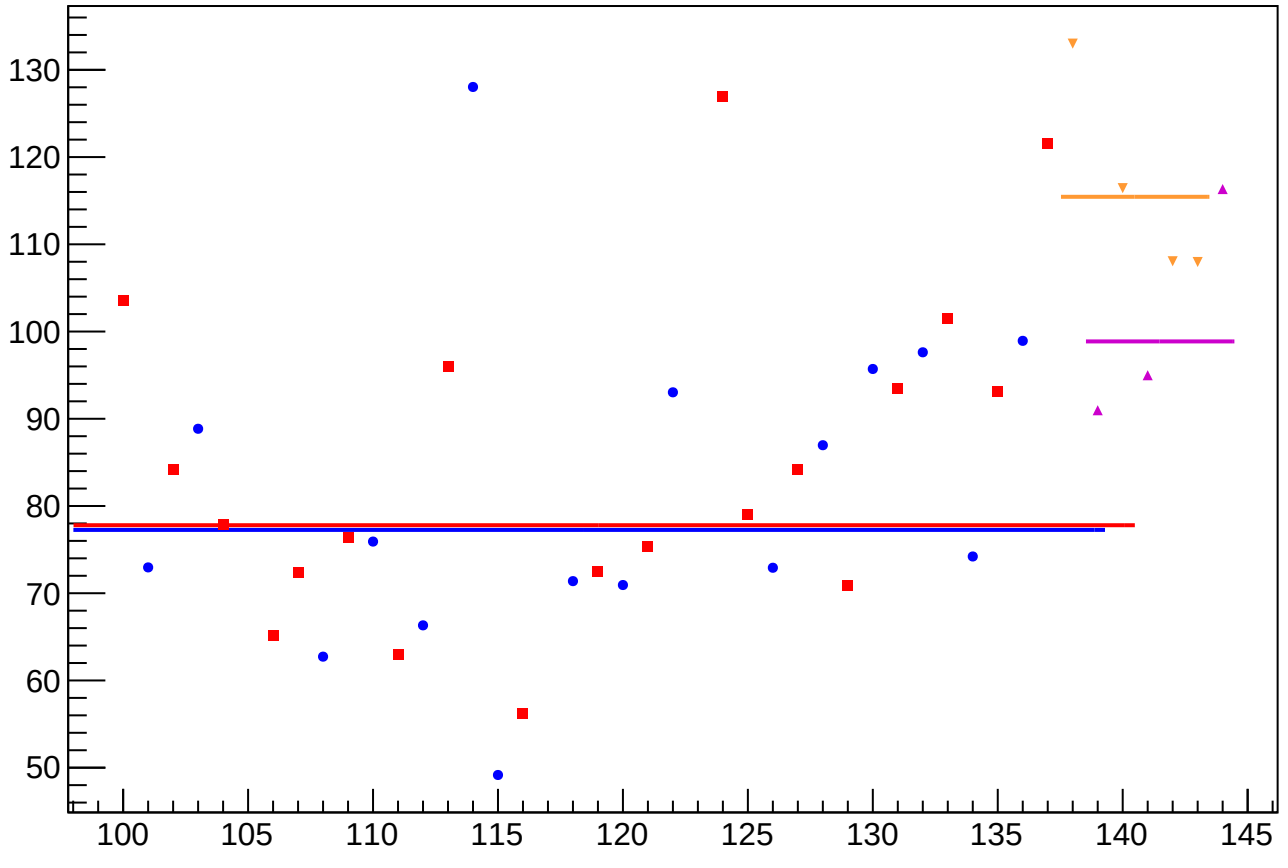
Left: 0.080+/-0.047 χ^2/NDF: 10.0/6

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.007+/-0.027 χ^2/NDF:24.3/18

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.017+/-0.019 χ^2/NDF: 55.1/41



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 115.446+/-0.050 χ^2/NDF:37092.8/3

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 98.867+/-0.044 χ^2/NDF:54094.2/2

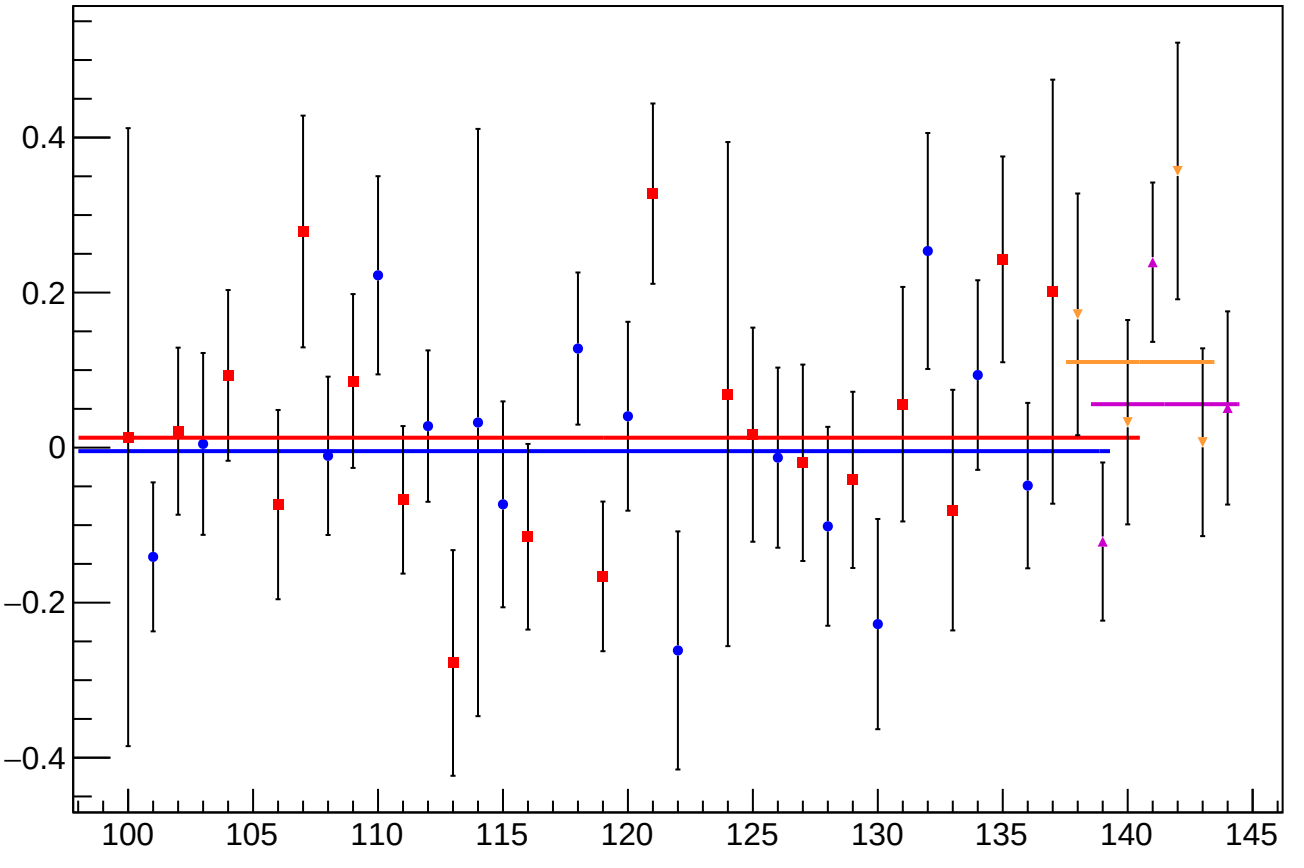
Left: 106.221+/-0.033 χ^2/NDF: 153400.7/6

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

In: 81.305+/-0.019 χ^2/NDF:667028.2/18

Out: 83.531+/-0.019 χ^2/NDF:922331.2/22

All: 82.407+/-0.014 χ^2/NDF: 1596041.9/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.056+/-0.063 χ^2/NDF:6.2/2

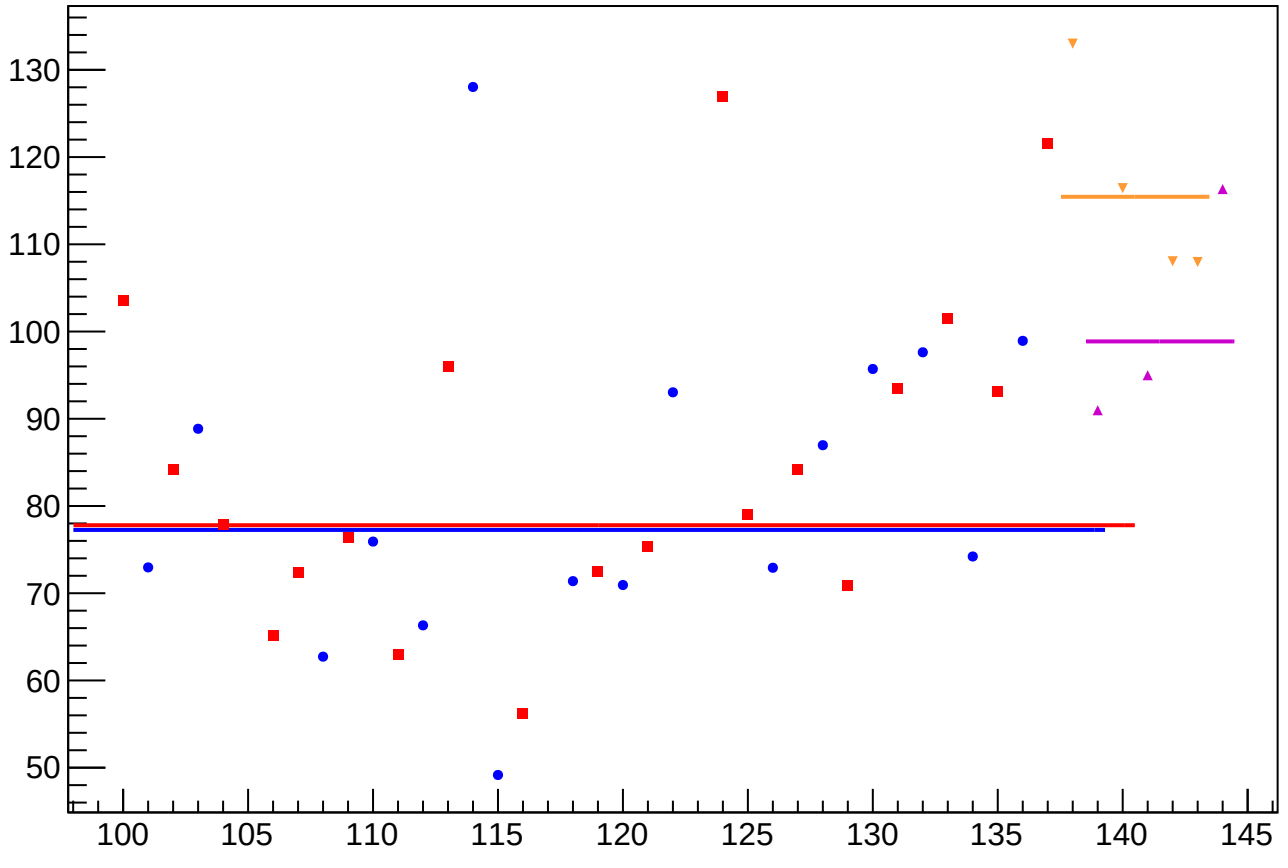
Left: 0.080+/-0.047 χ^2/NDF: 10.0/6

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.007+/-0.027 χ^2/NDF:24.3/18

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.017+/-0.019 χ^2/NDF: 55.1/41



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 115.446+/-0.050 χ^2/NDF:37092.8/3

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 98.867+/-0.044 χ^2/NDF:54094.2/2

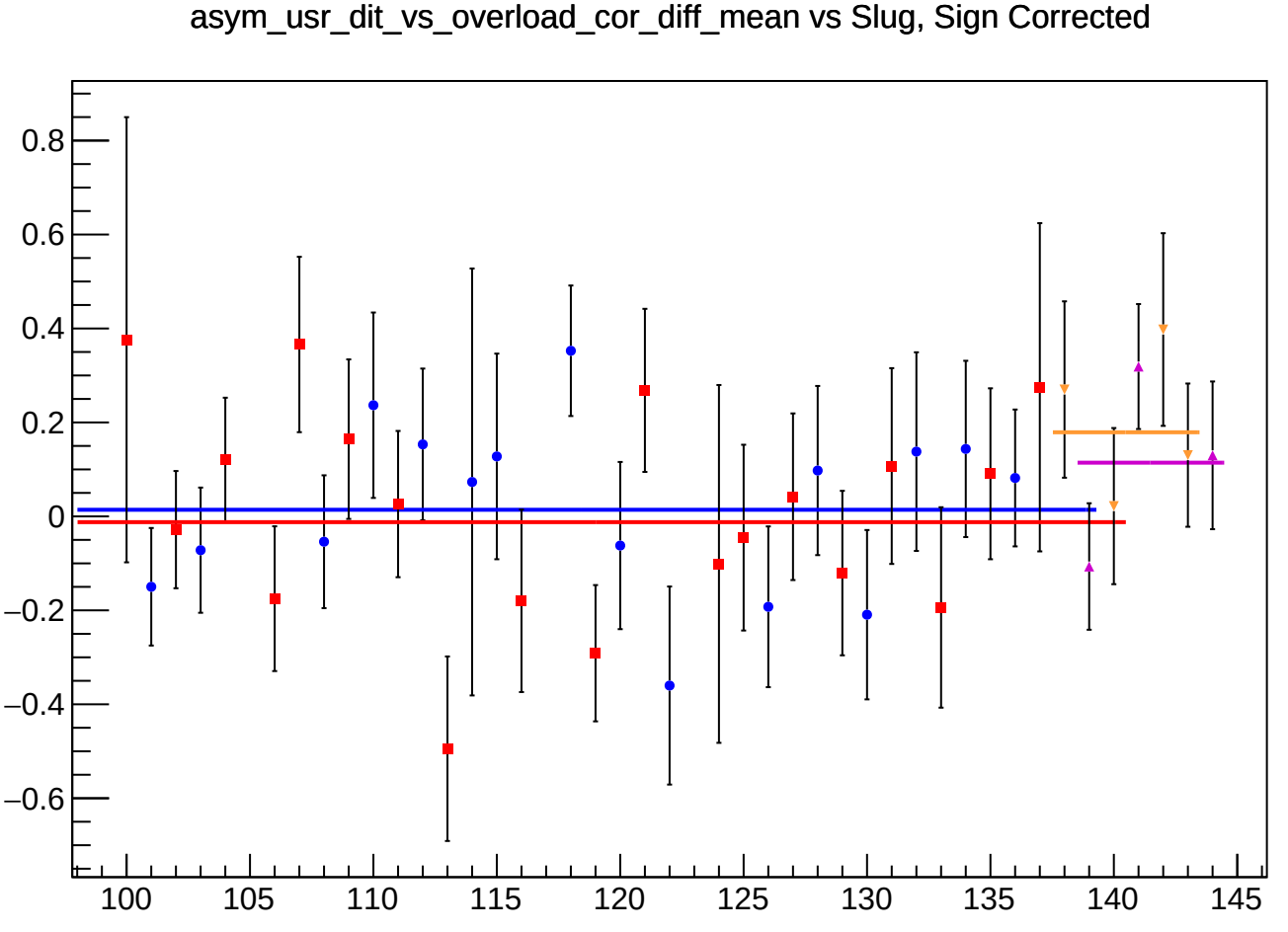
Left: 106.221+/-0.033 χ^2/NDF: 153400.7/6

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

In: 81.305+/-0.019 χ^2/NDF:667028.2/18

Out: 83.531+/-0.019 χ^2/NDF:922331.2/22

All: 82.407+/-0.014 χ^2/NDF: 1596041.9/41



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.179+/-0.087 χ^2/NDF:2.4/3

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.114+/-0.081 χ^2/NDF:5.1/2

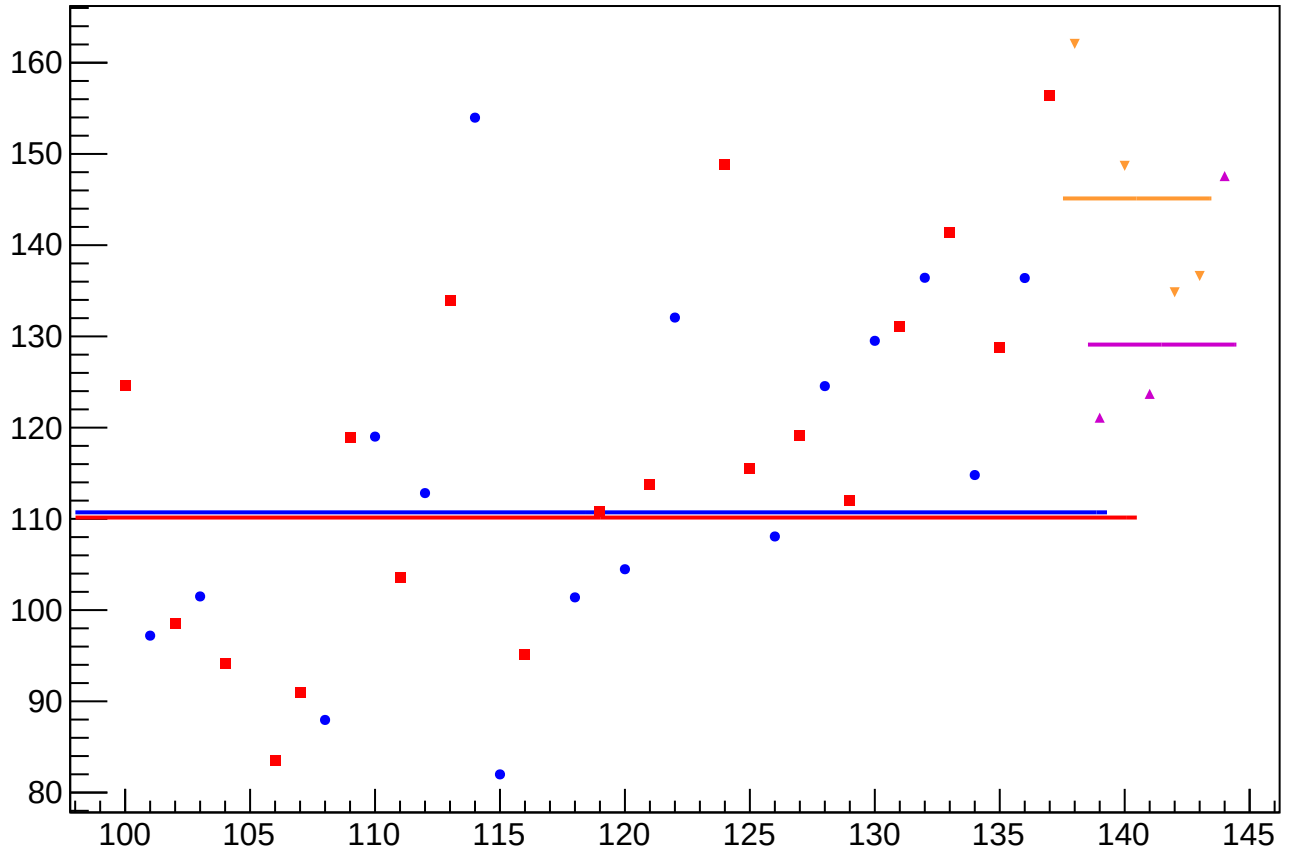
Left: 0.144+/-0.059 χ^2/NDF: 7.7/6

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.036+/-0.037 χ^2/NDF:24.5/18

Out: 0.023+/-0.037 χ^2/NDF:30.0/22

All: 0.029+/-0.026 χ^2/NDF: 54.6/41



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 145.121+/-0.062 χ^2/NDF:28462.4/3

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 129.103+/-0.057 χ^2/NDF:37982.2/2

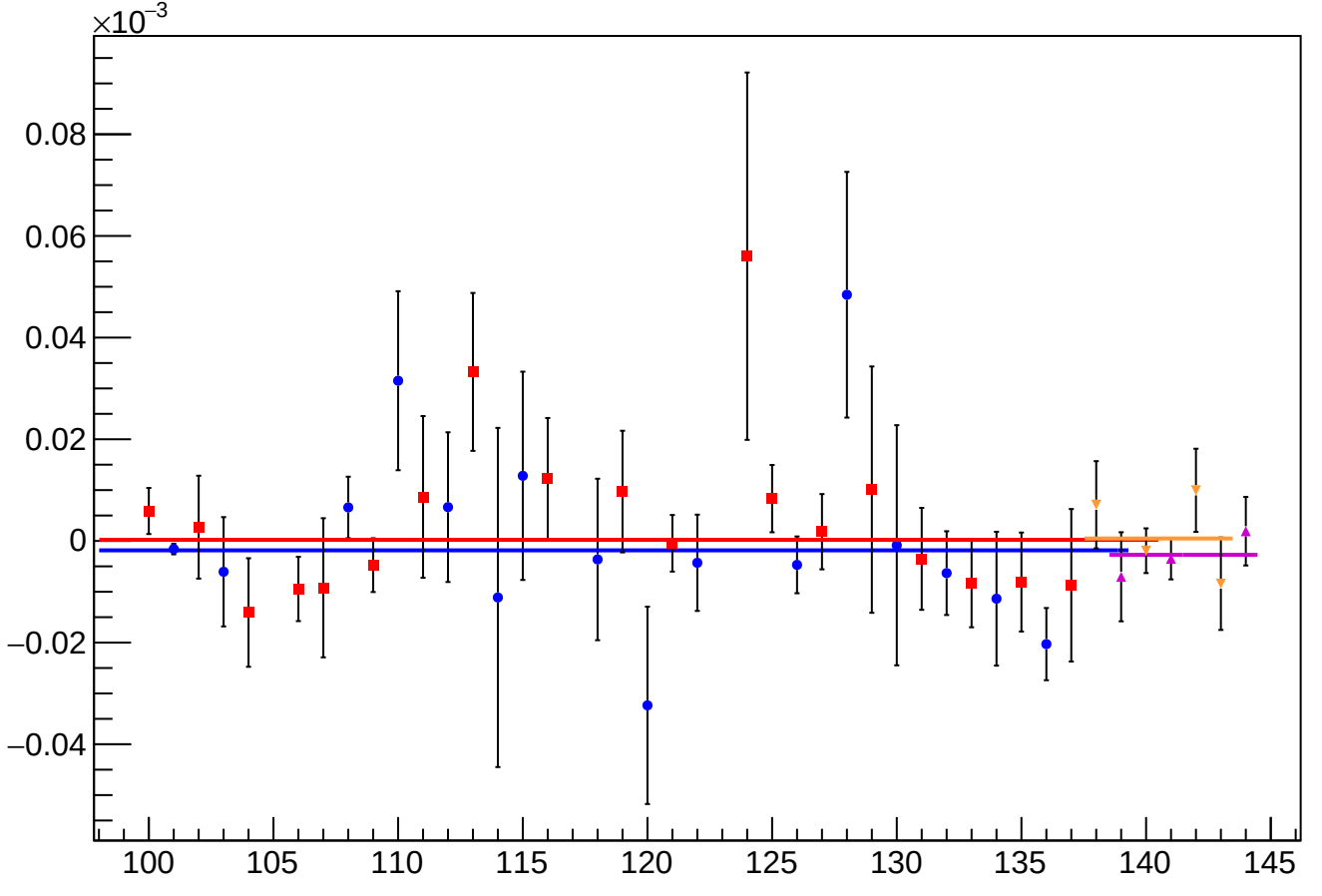
Left: 136.526+/-0.042 χ^2/NDF: 102621.2/6

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

In: 114.645+/-0.027 χ^2/NDF:418849.7/18

Out: 116.551+/-0.026 χ^2/NDF:617752.2/22

All: 115.601+/-0.019 χ^2/NDF: 1039198.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/2

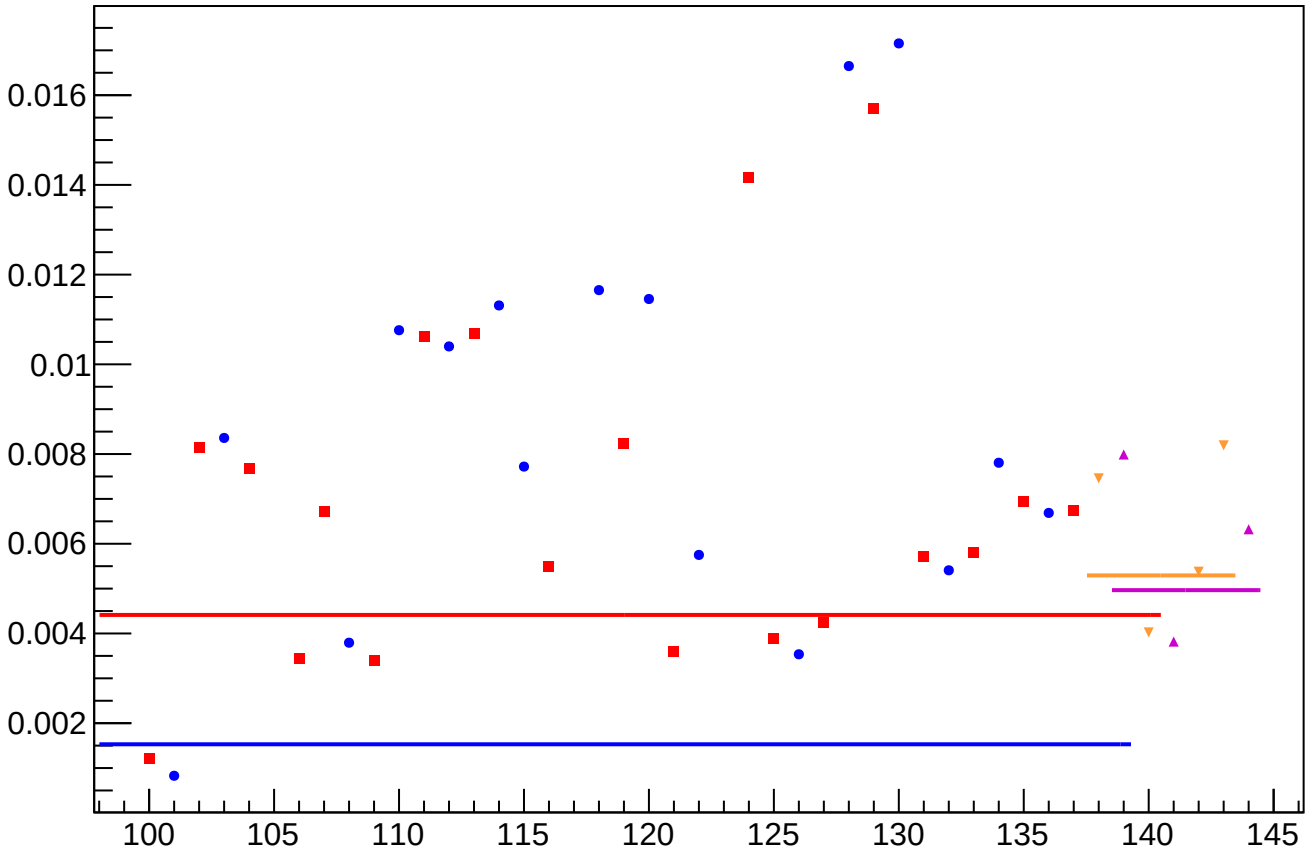
Left: -0.000+/-0.000 χ^2/NDF: 4.4/6

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

In: -0.000+/-0.000 χ^2/NDF:22.2/18

Out: 0.000+/-0.000 χ^2/NDF:23.1/22

All: -0.000+/-0.000 χ^2/NDF: 46.6/41



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:497725.2/3

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:478224.6/2

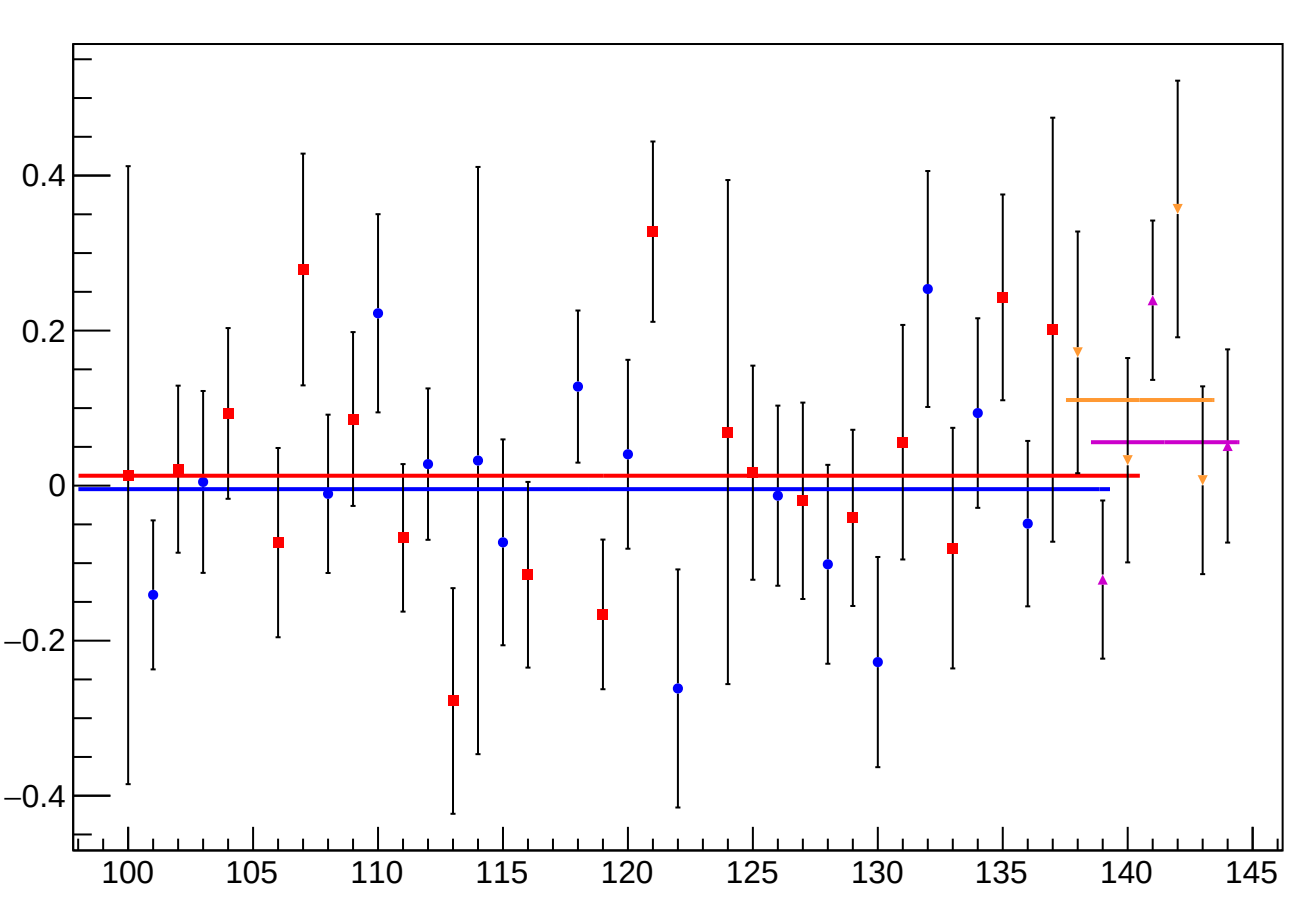
Left: 0.005+/-0.000 χ^2/NDF: 986067.0/6

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

In: 0.002+/-0.000 χ^2/NDF:11768077.6/18

Out: 0.005+/-0.000 χ^2/NDF:3992442.5/22

All: 0.002+/-0.000 χ^2/NDF: 20152791.6/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.056+/-0.063 χ^2/NDF:6.2/2

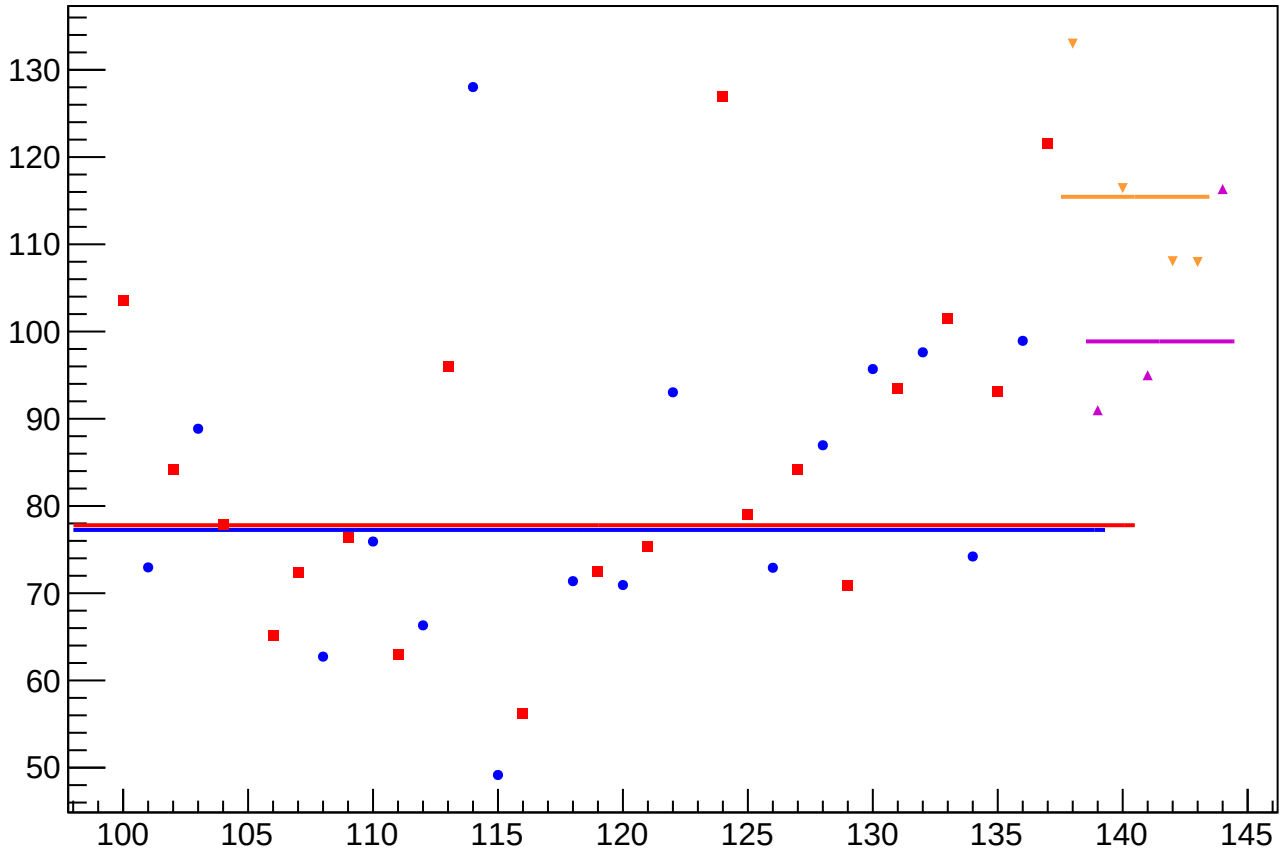
Left: 0.080+/-0.047 χ^2/NDF: 10.0/6

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.007+/-0.027 χ^2/NDF:24.3/18

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.017+/-0.019 χ^2/NDF: 55.1/41



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 98.868+/-0.044 χ^2/NDF:54090.6/2

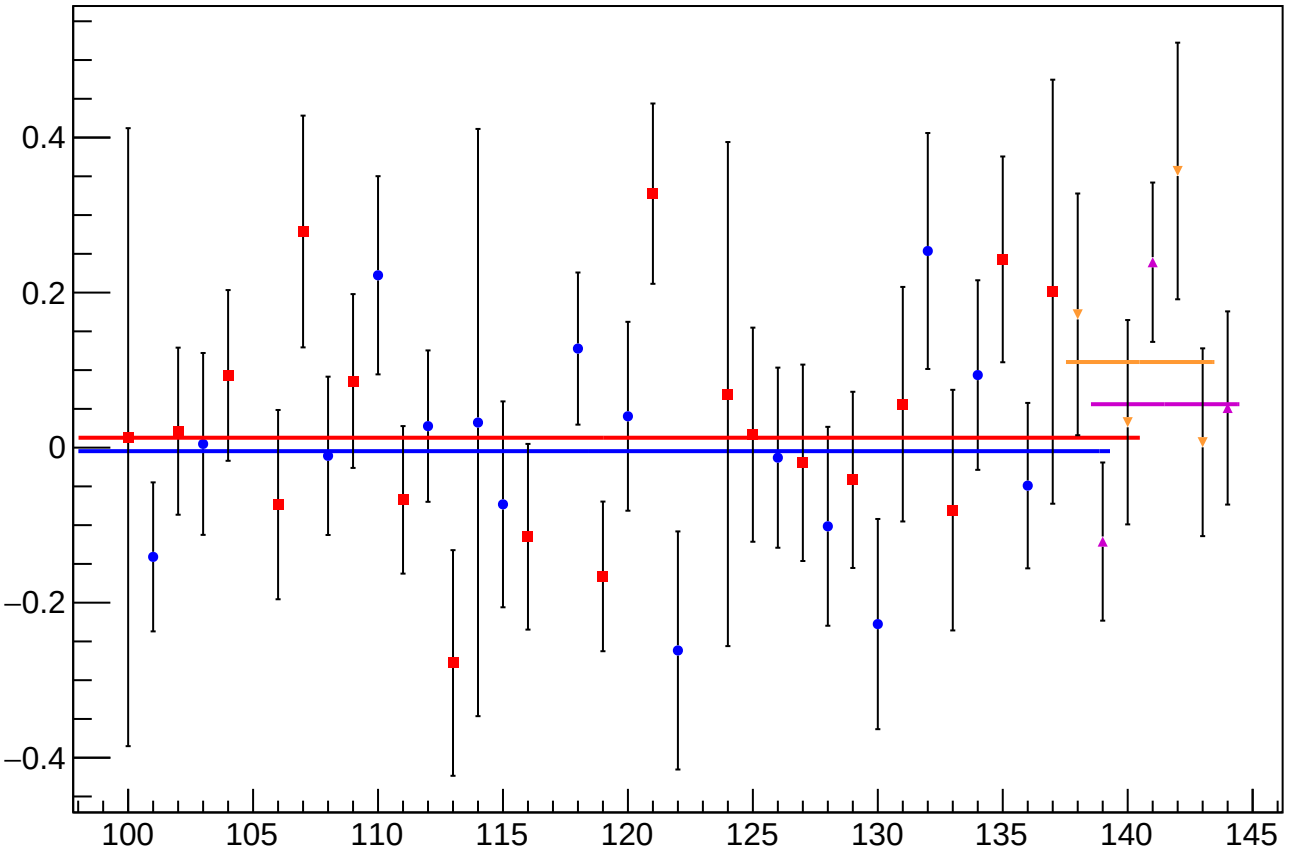
Left: 106.221+/-0.033 χ^2/NDF: 153394.8/6

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

In: 81.304+/-0.019 χ^2/NDF:667049.8/18

Out: 83.530+/-0.019 χ^2/NDF:922380.3/22

All: 82.405+/-0.014 χ^2/NDF: 1596111.7/41



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.056+/-0.063 χ^2/NDF:6.2/2

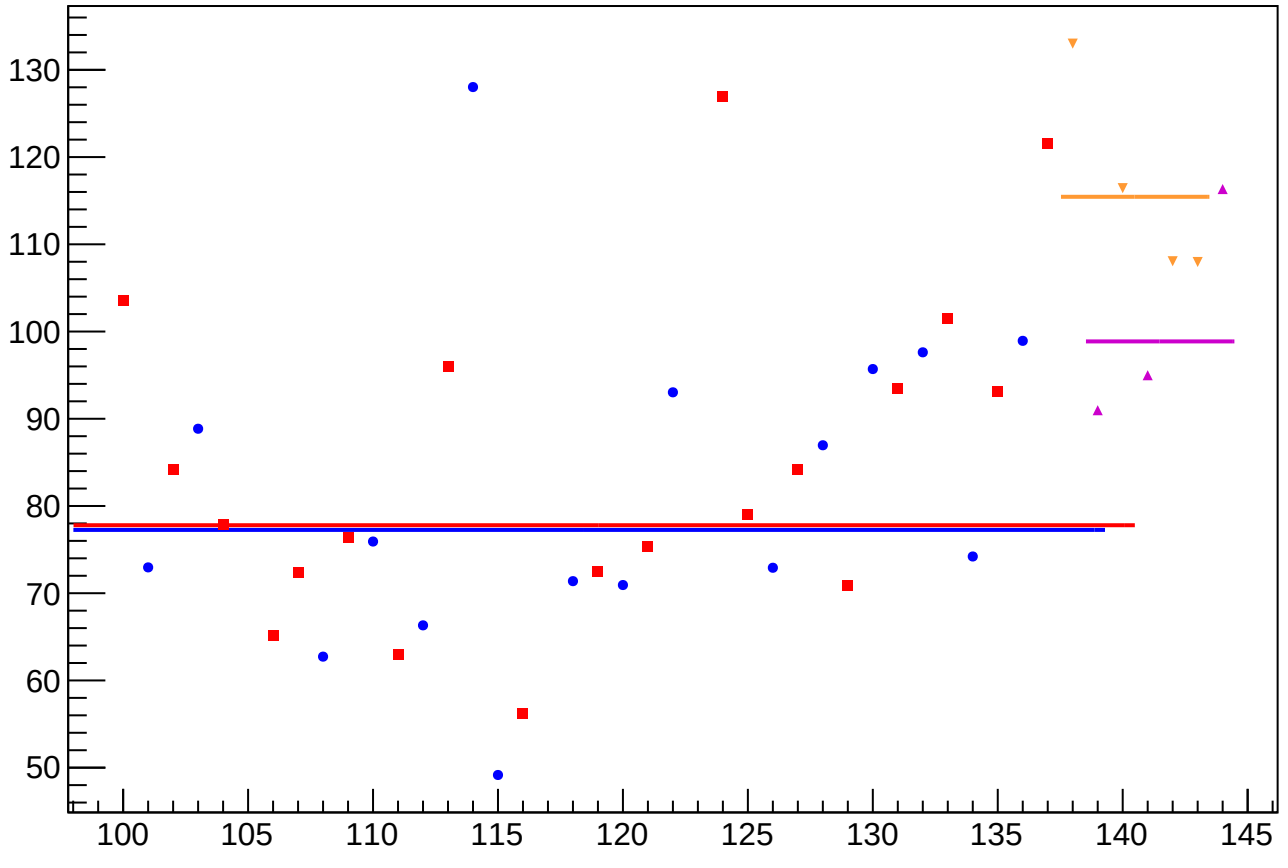
Left: 0.080+/-0.047 χ^2/NDF: 10.0/6

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.007+/-0.027 χ^2/NDF:24.3/18

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.017+/-0.019 χ^2/NDF: 55.1/41



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 98.868+/-0.044 χ^2/NDF:54090.6/2

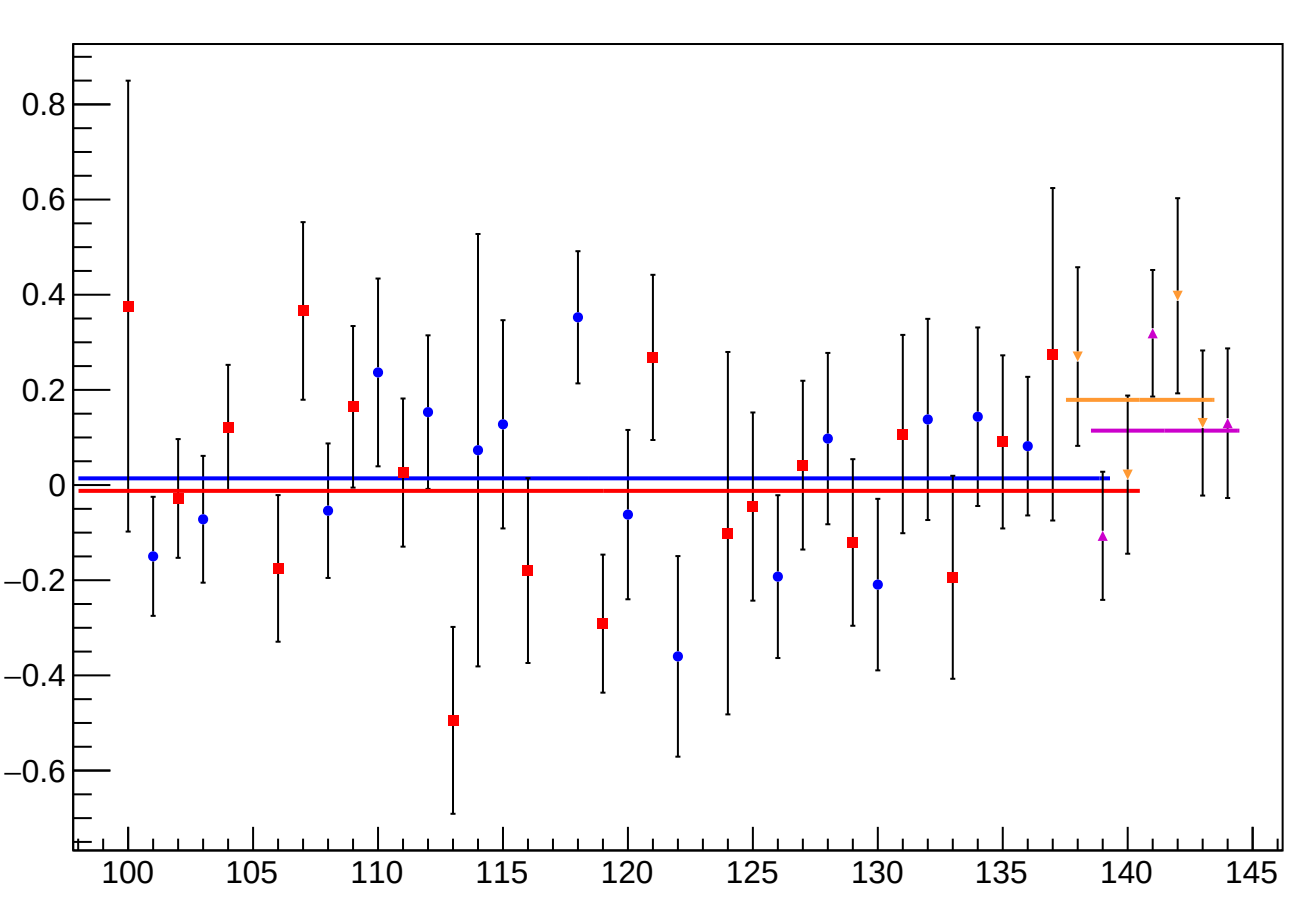
Left: 106.221+/-0.033 χ^2/NDF: 153394.8/6

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

In: 81.304+/-0.019 χ^2/NDF:667049.8/18

Out: 83.530+/-0.019 χ^2/NDF:922380.3/22

All: 82.405+/-0.014 χ^2/NDF: 1596111.7/41



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.179+/-0.087 χ^2/NDF:2.4/3

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.114+/-0.081 χ^2/NDF:5.1/2

Left: 0.144+/-0.059 χ^2/NDF: 7.7/6

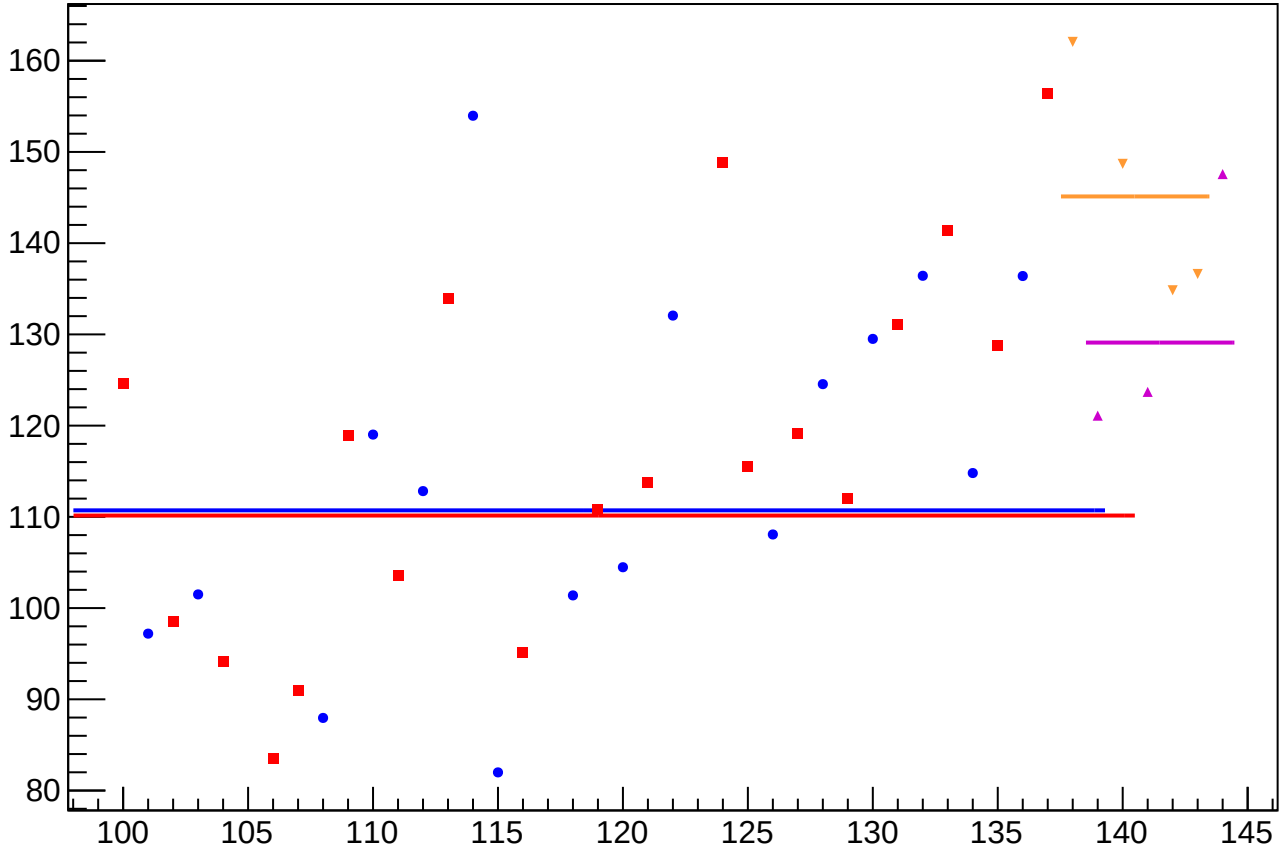
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.036+/-0.037 χ^2/NDF:24.5/18

Out: 0.023+/-0.037 χ^2/NDF:30.0/22

All: 0.029+/-0.026 χ^2/NDF: 54.6/41

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: 145.121+/-0.062 χ^2/NDF:28460.8/3

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 129.103+/-0.057 χ^2/NDF:37980.8/2

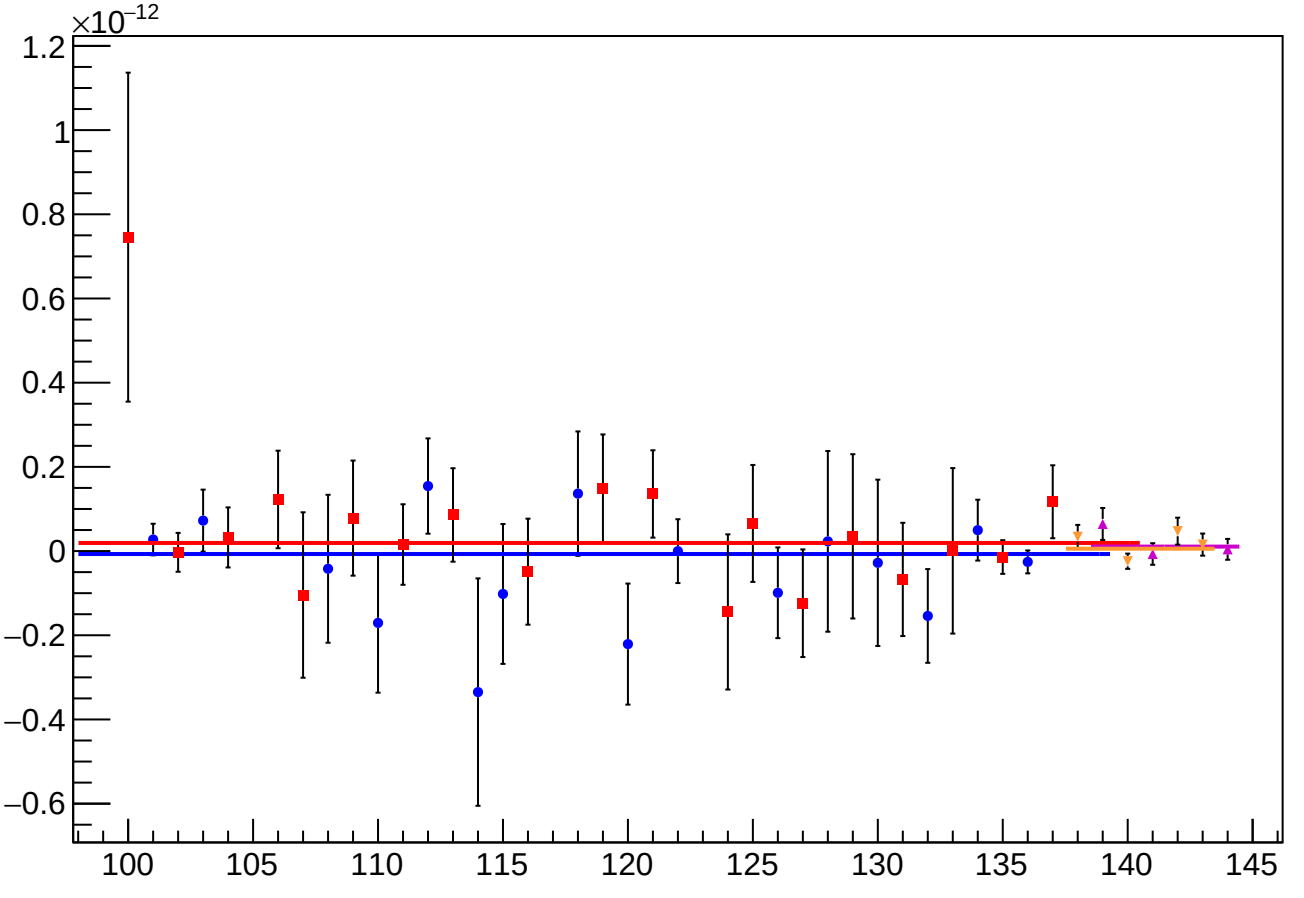
Left: 136.526+/-0.042 χ^2/NDF: 102617.1/6

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

In: 114.644+/-0.027 χ^2/NDF:418836.0/18

Out: 116.550+/-0.026 χ^2/NDF:617737.4/22

All: 115.601+/-0.019 χ^2/NDF: 1039169.6/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/3

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

Left In: 0.000+/-0.000 χ^2/NDF:2.6/2

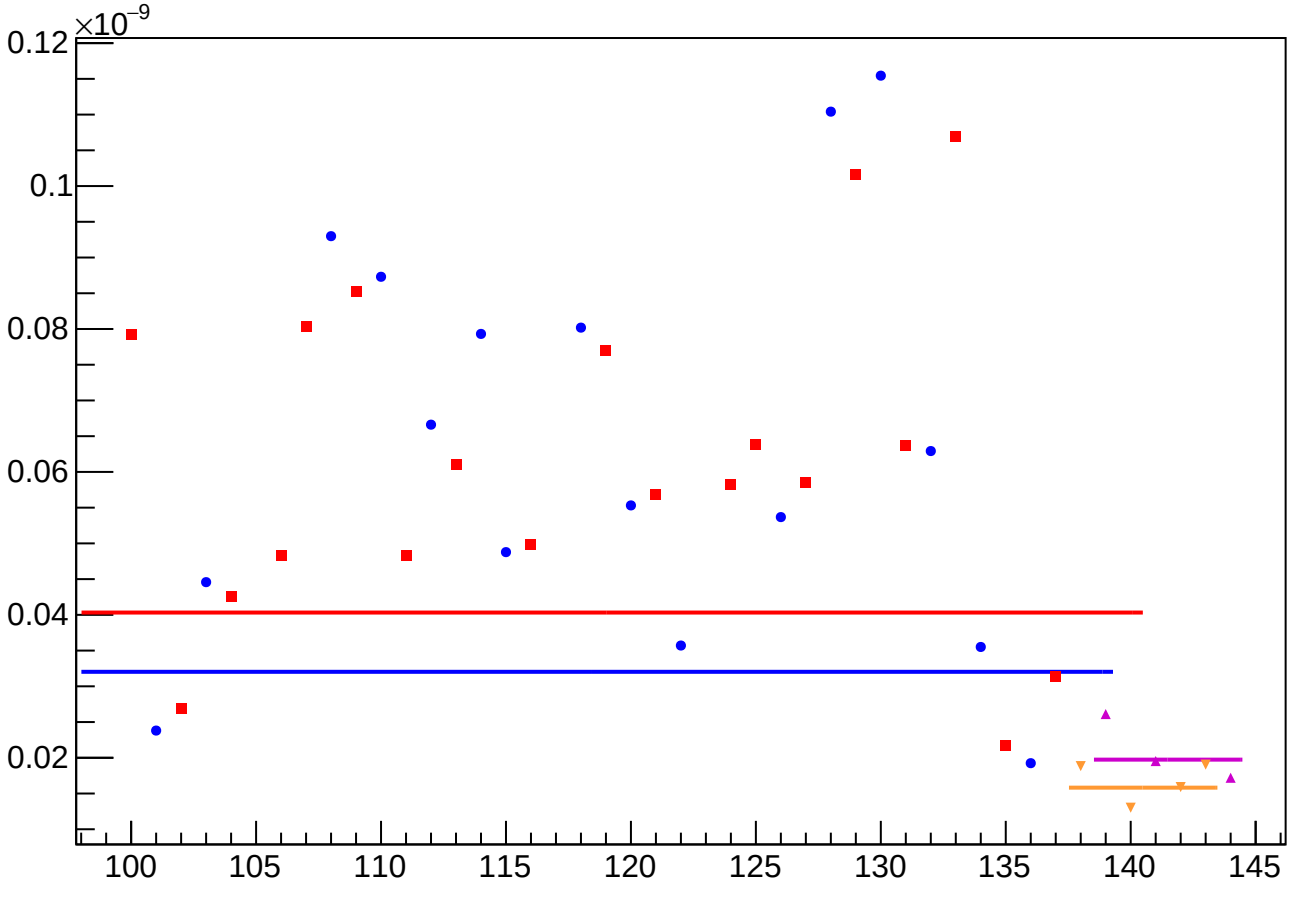
Left: 0.000+/-0.000 χ^2/NDF: 8.1/6

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: 0.000+/-0.000 χ^2/NDF:16.7/18

Out: 0.000+/-0.000 χ^2/NDF:18.4/22

All: 0.000+/-0.000 χ^2/NDF: 35.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:100847.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:77580.3/2

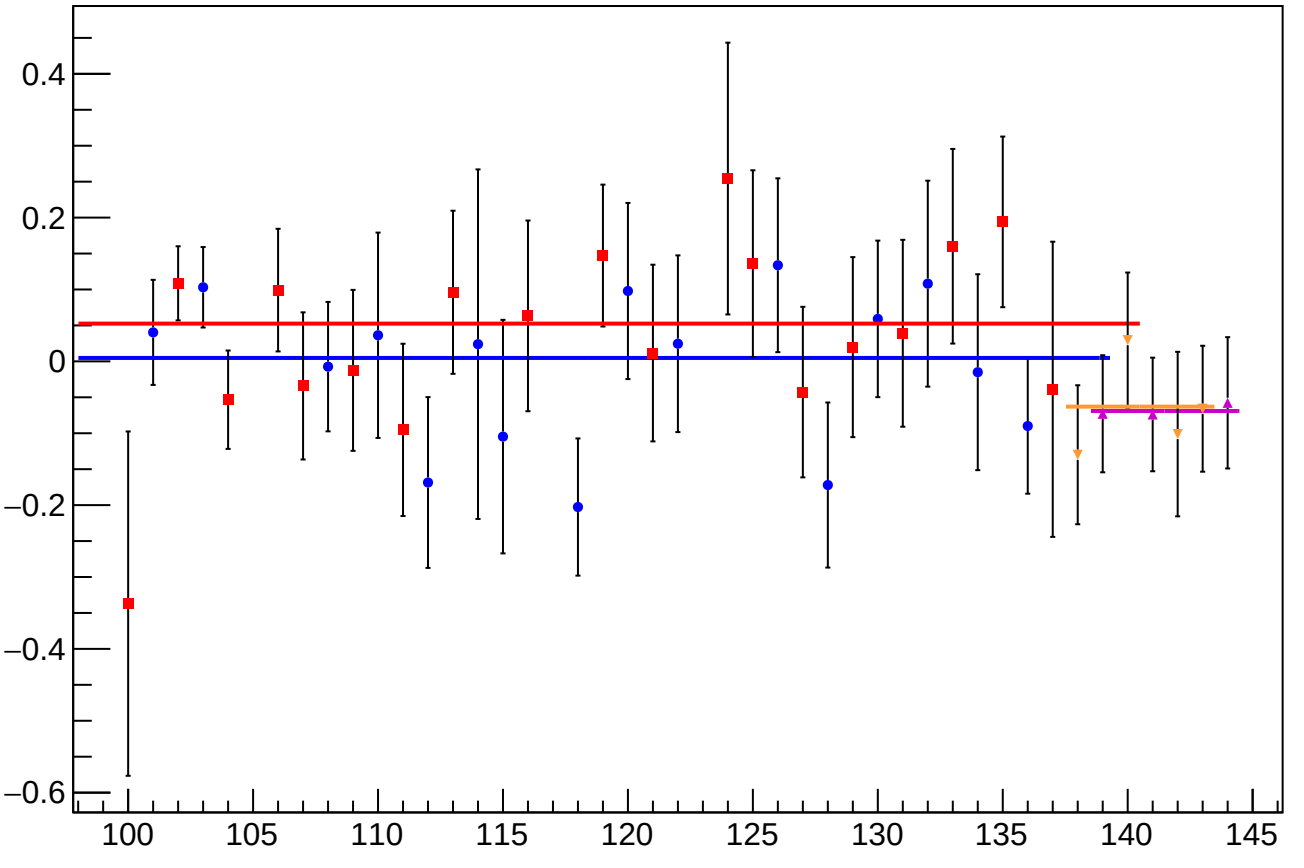
Left: 0.000+/-0.000 χ^2/NDF: 253646.8/6

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

In: 0.000+/-0.000 χ^2/NDF:3056862.3/18

Out: 0.000+/-0.000 χ^2/NDF:3985851.0/22

All: 0.000+/-0.000 χ^2/NDF: 7127554.0/41



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.069+/-0.048 χ^2/NDF:0.0/2

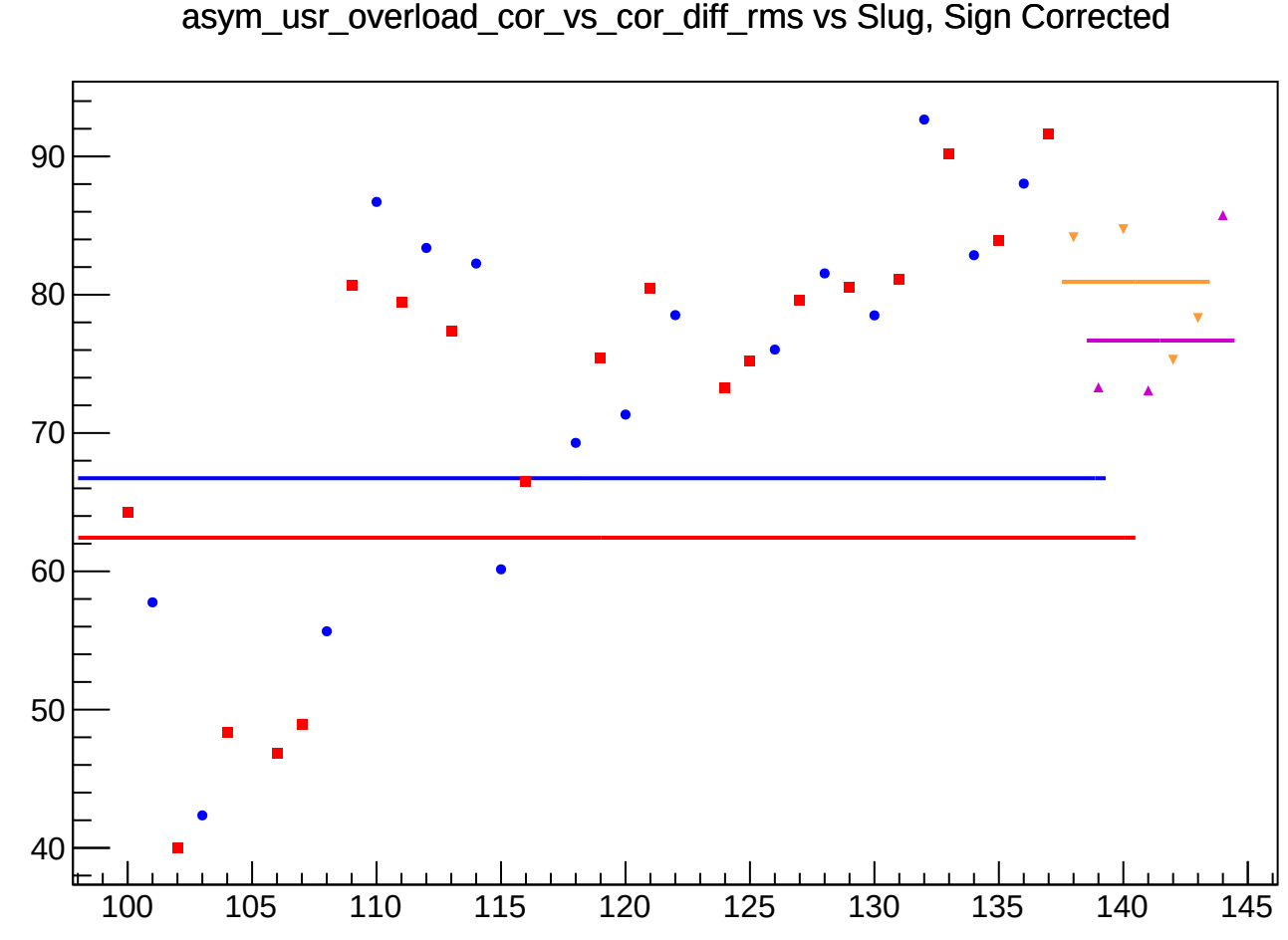
Left: -0.066+/-0.034 χ^2/NDF: 1.6/6

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.012+/-0.023 χ^2/NDF:18.5/18

Out: 0.030+/-0.022 χ^2/NDF:20.9/22

All: 0.010+/-0.016 χ^2/NDF: 41.1/41



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 76.686+/-0.034 χ^2/NDF:27351.2/2

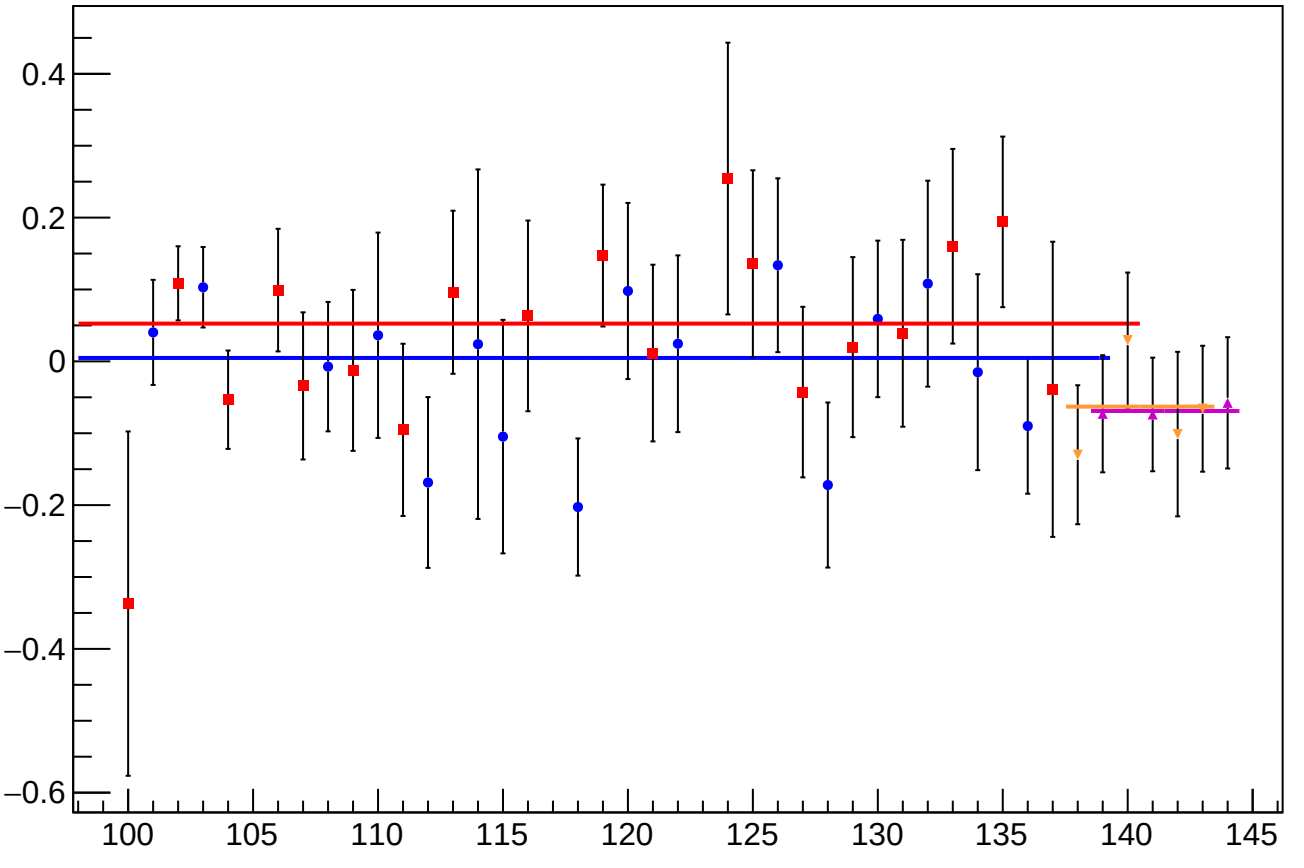
Left: 78.802+/-0.024 χ^2/NDF: 47236.1/6

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

In: 68.964+/-0.016 χ^2/NDF:910332.7/18

Out: 66.102+/-0.015 χ^2/NDF:1360559.7/22

All: 67.453+/-0.011 χ^2/NDF: 2287509.1/41



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.069+/-0.048 χ^2/NDF:0.0/2

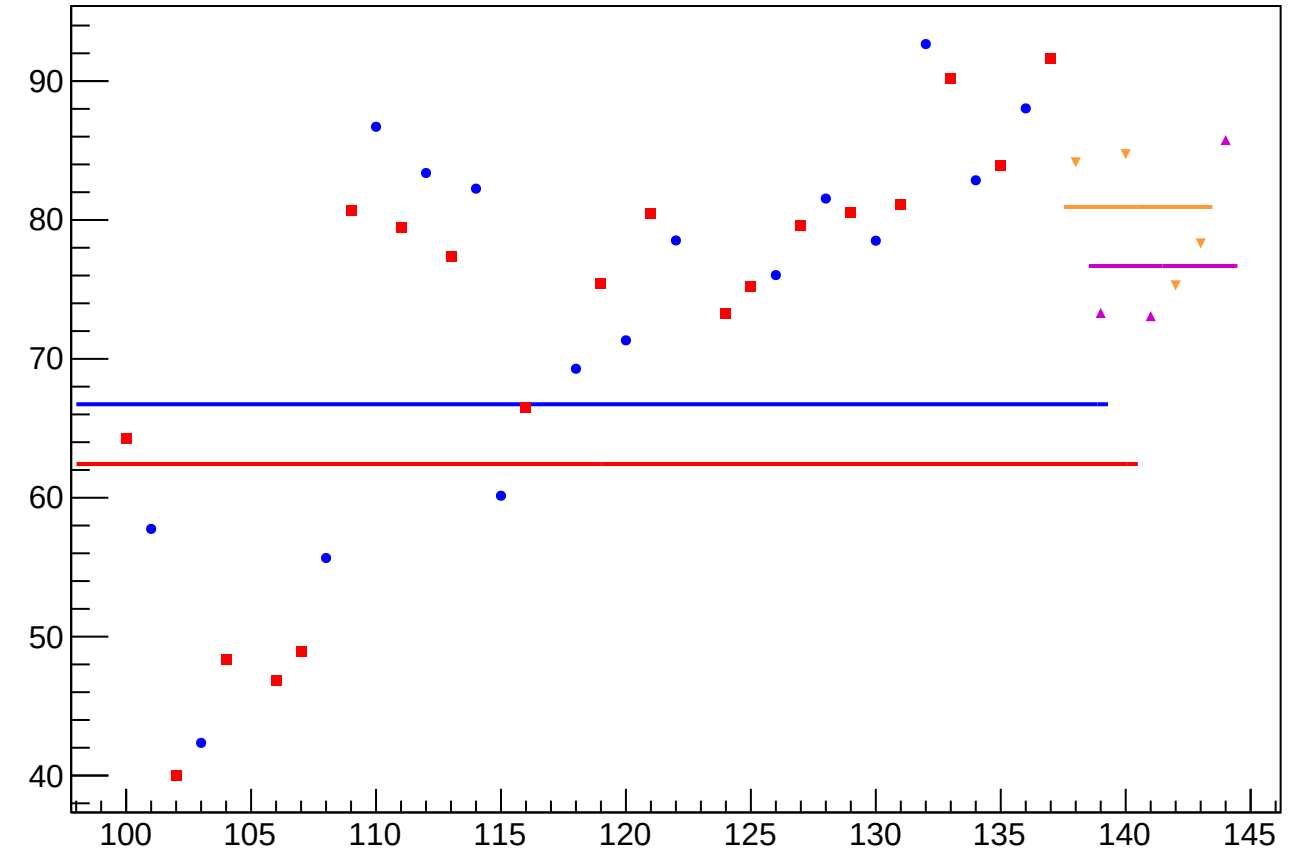
Left: -0.066+/-0.034 χ^2/NDF: 1.6/6

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.012+/-0.023 χ^2/NDF:18.5/18

Out: 0.030+/-0.022 χ^2/NDF:20.9/22

All: 0.010+/-0.016 χ^2/NDF: 41.1/41



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 76.686+/-0.034 χ^2/NDF:27351.2/2

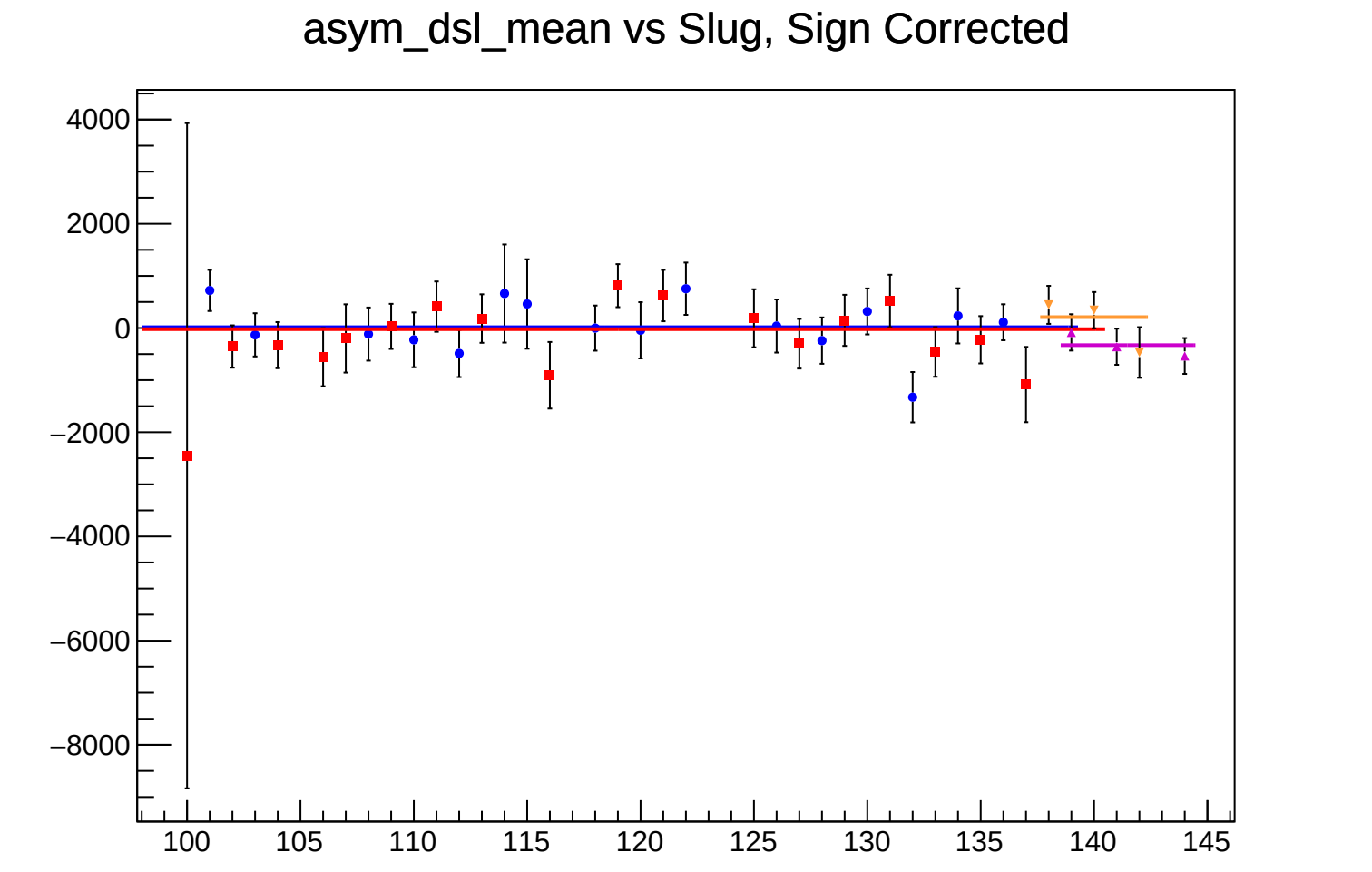
Left: 78.802+/-0.024 χ^2/NDF: 47236.1/6

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

In: 68.964+/-0.016 χ^2/NDF:910332.7/18

Out: 66.102+/-0.015 χ^2/NDF:1360559.7/22

All: 67.453+/-0.011 χ^2/NDF: 2287509.1/41



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 208.747+/-223.556 χ^2/NDF:2.5/2

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -328.597+/-199.867 χ^2/NDF:0.9/2

Left: -89.894+/-149.001 χ^2/NDF: 6.6/5

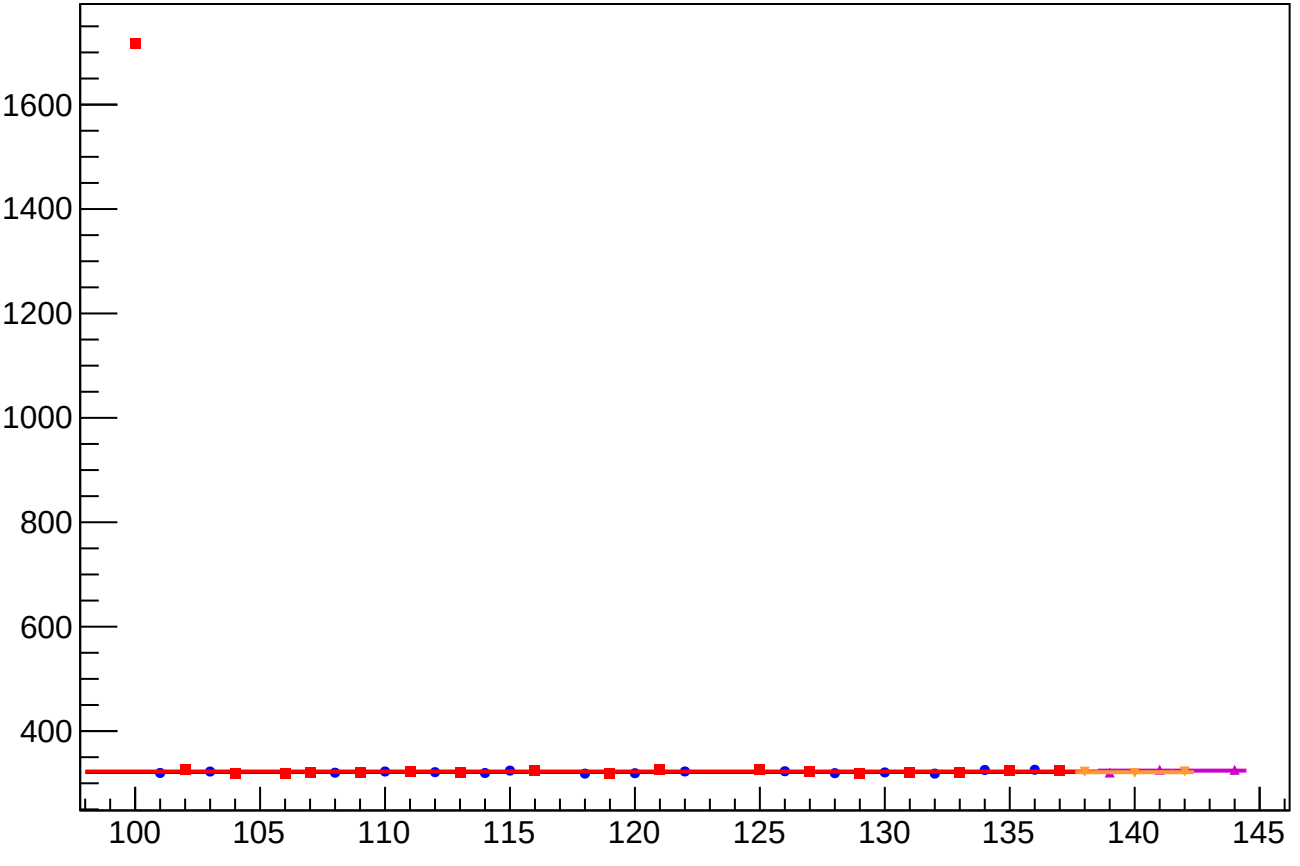
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -75.025+/-102.522 χ^2/NDF:19.6/18

Out: 28.975+/-105.190 χ^2/NDF:19.3/20

All: -24.361+/-73.419 χ^2/NDF: 39.4/39

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 321.243+/-0.158 χ^2/NDF:66.7/2

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 324.255+/-0.141 χ^2/NDF:309.9/2

Left: 322.917+/-0.105 χ^2/NDF: 578.4/5

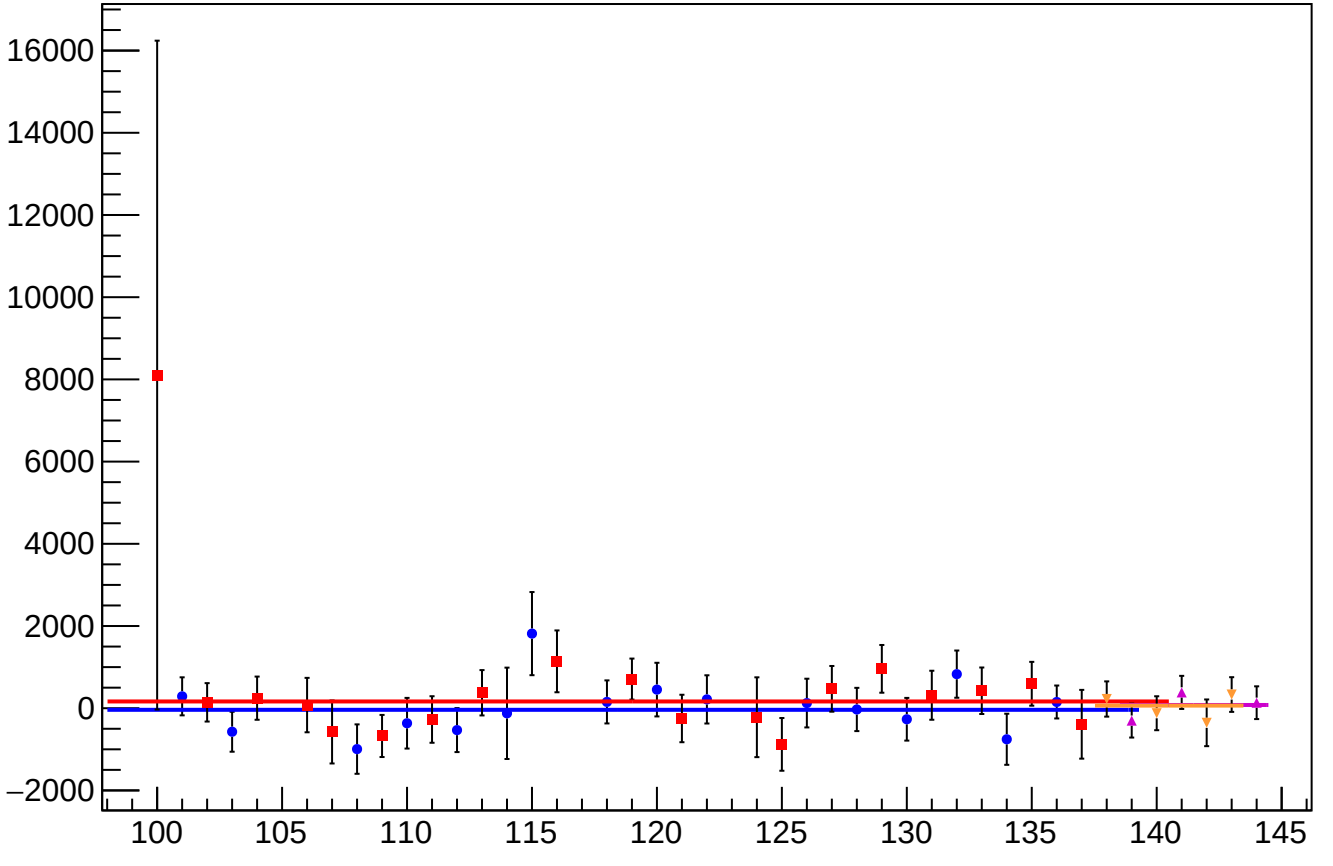
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.302+/-0.072 χ^2/NDF:1392.1/18

Out: 322.263+/-0.074 χ^2/NDF:97012.1/20

All: 322.283+/-0.052 χ^2/NDF: 98404.3/39

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 63.631+/-223.477 χ^2/NDF:1.3/3

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: 78.812+/-233.428 χ^2/NDF:1.4/2

Left: 70.891+/-161.425 χ^2/NDF: 2.7/6

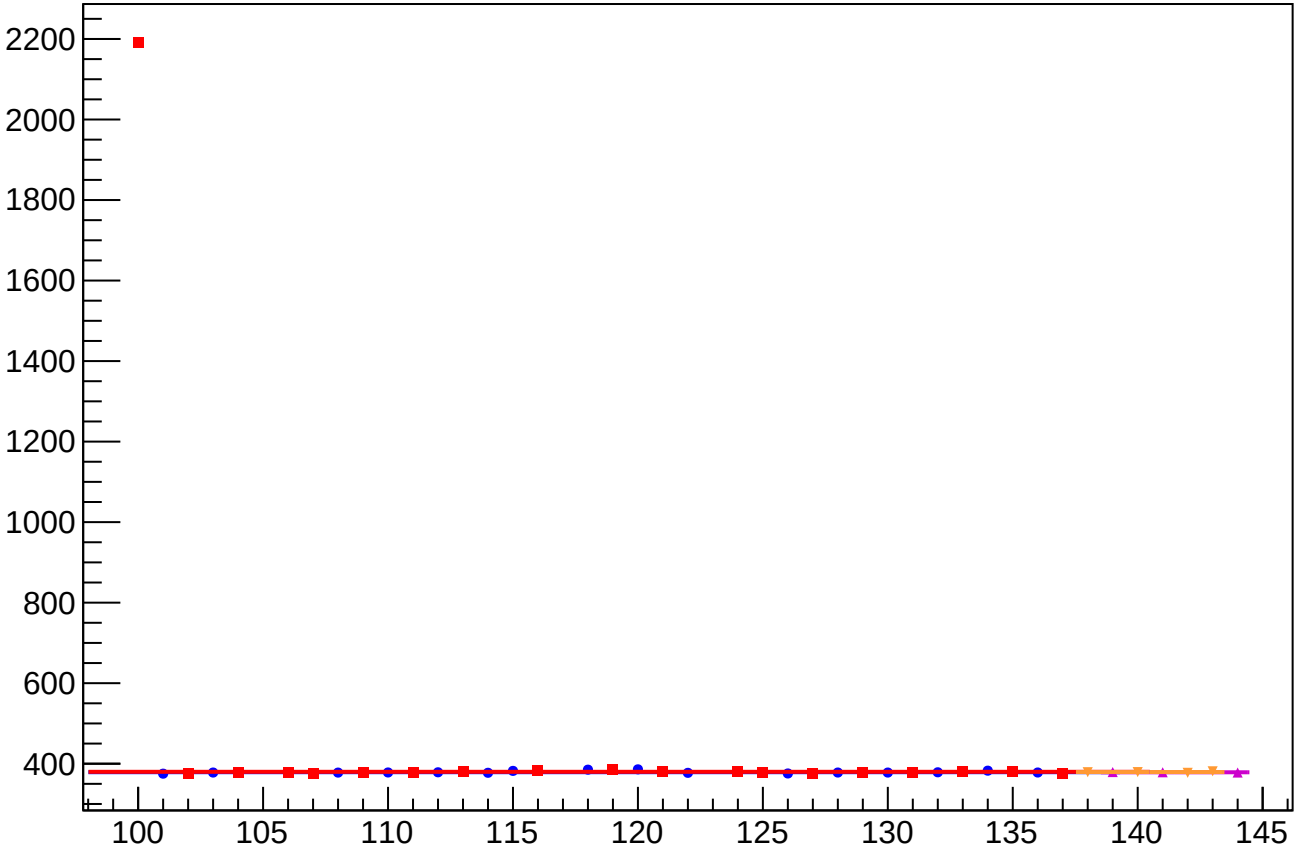
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -7.535+/-120.515 χ^2/NDF:15.4/18

Out: 136.474+/-118.008 χ^2/NDF:16.5/22

All: 65.983+/-84.317 χ^2/NDF: 32.6/41

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 379.310+/-0.158 χ^2/NDF:61.7/3

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.695+/-0.165 χ^2/NDF:8.6/2

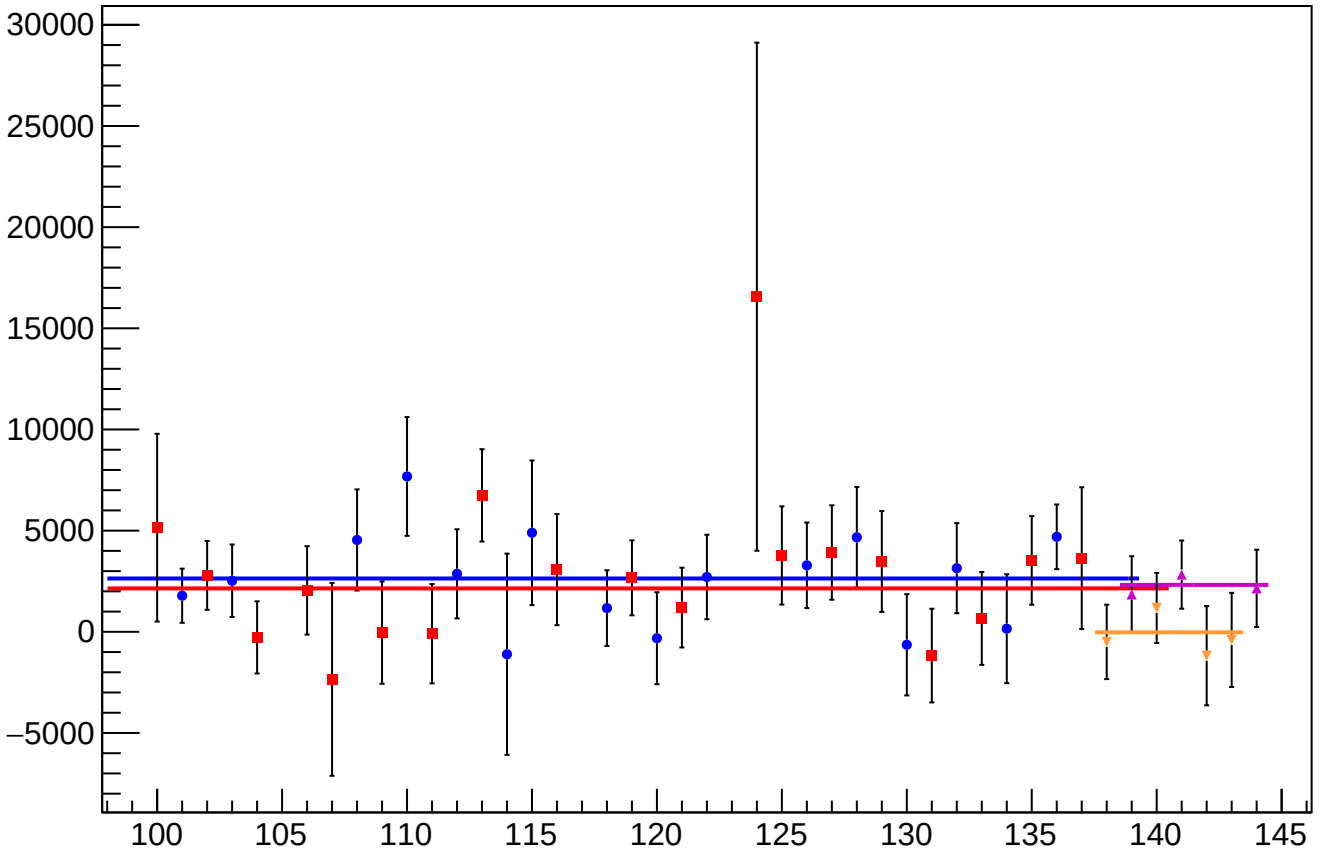
Left: 379.016+/-0.114 χ^2/NDF: 77.5/6

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

In: 378.853+/-0.085 χ^2/NDF:861.1/18

Out: 379.719+/-0.083 χ^2/NDF:99692.5/22

All: 379.295+/-0.060 χ^2/NDF: 100606.4/41



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

Left Out: -26.240+/-1010.282 χ^2/NDF:0.8/3

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 2318.678+/-1050.495 χ^2/NDF:0.2/2

Left: 1100.480+/-728.179 χ^2/NDF: 3.5/6

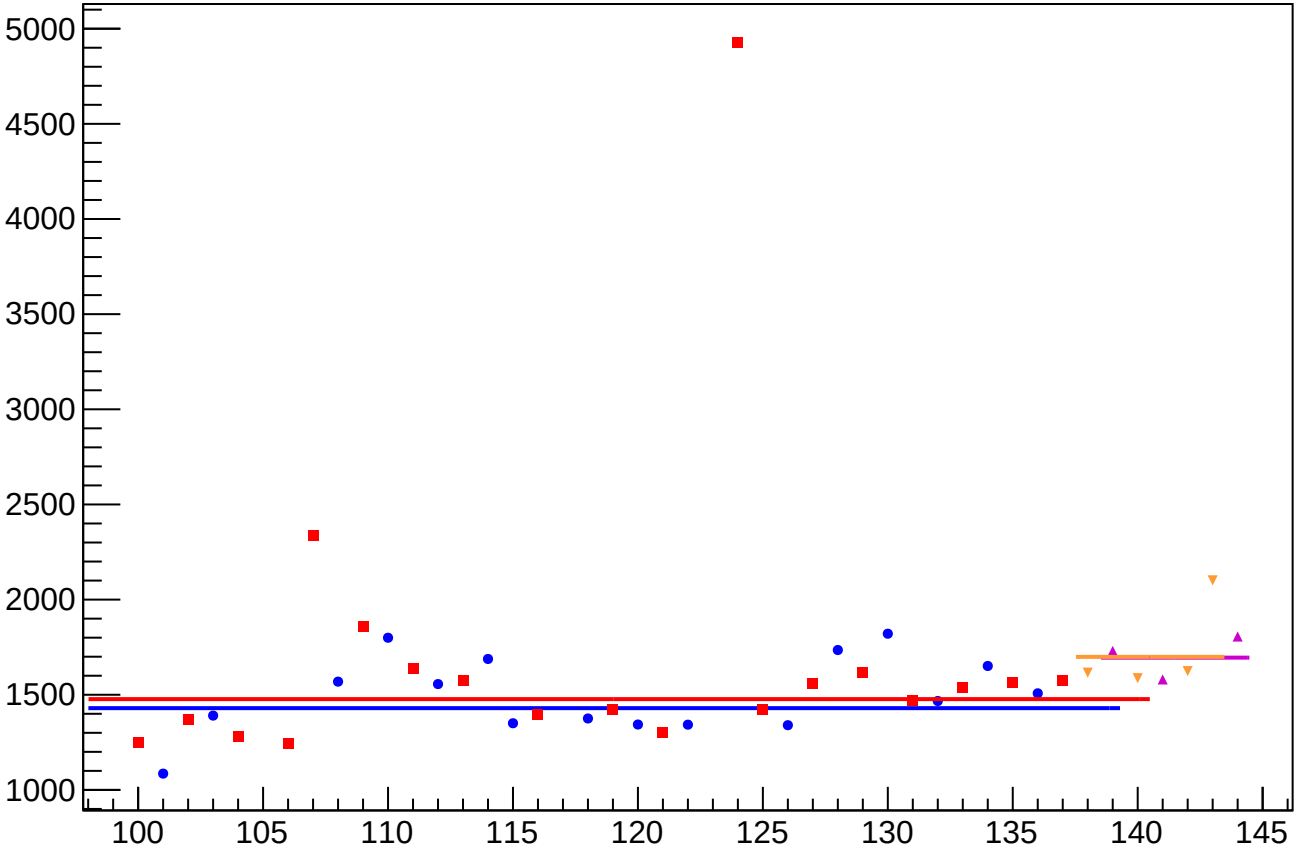
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2569.580+/-478.878 χ^2/NDF:12.5/18

Out: 1652.510+/-480.995 χ^2/NDF:19.4/22

All: 2113.067+/-339.364 χ^2/NDF: 33.7/41

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1699.087+/-0.714 χ^2/NDF:74002.3/3

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1695.058+/-0.743 χ^2/NDF:16693.9/2

Left: 1697.151+/-0.515 χ^2/NDF: 90711.5/6

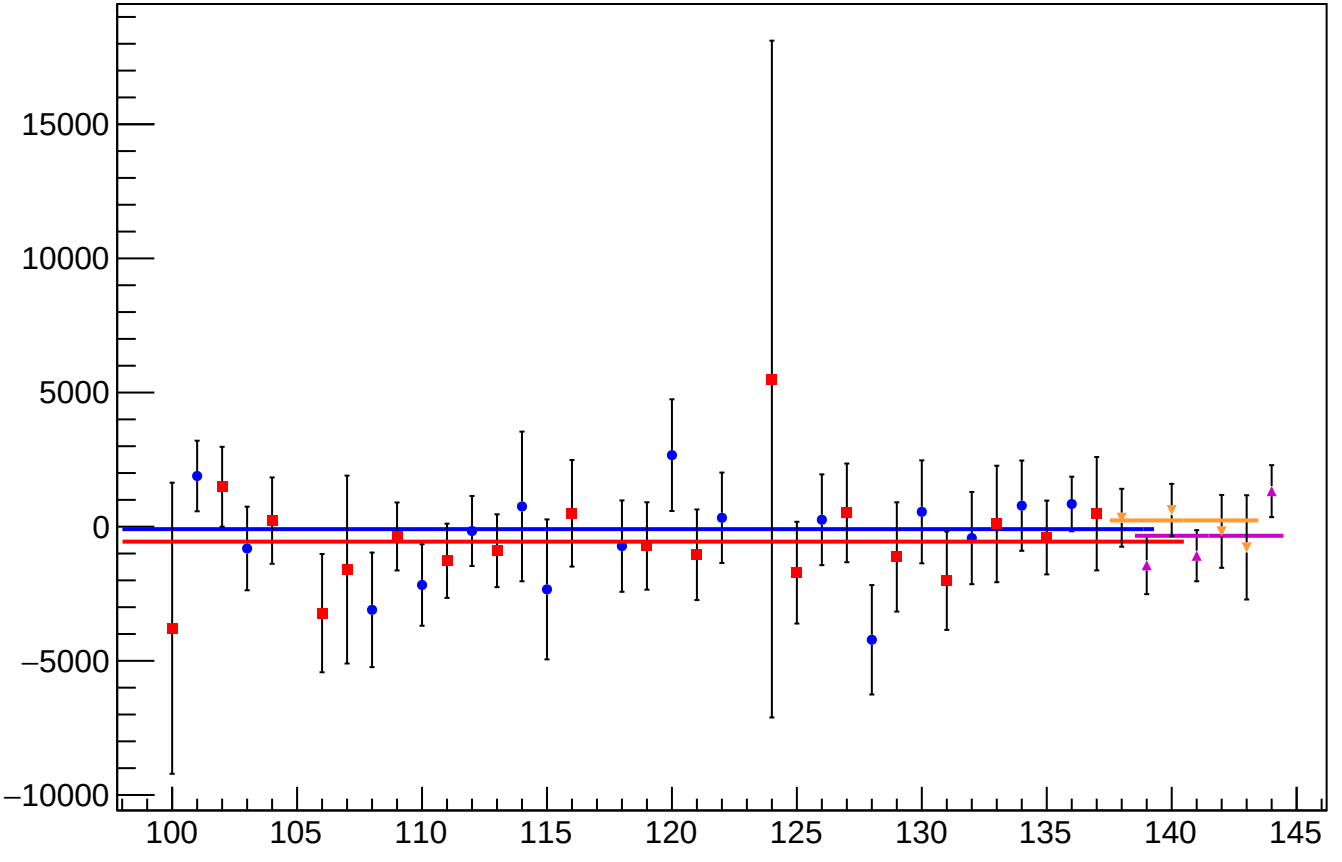
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1484.807+/-0.339 χ^2/NDF:411214.2/18

Out: 1527.438+/-0.340 χ^2/NDF:518088.4/22

All: 1506.028+/-0.240 χ^2/NDF: 937192.6/41

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 234.179+/-607.201 χ^2/NDF:0.5/3

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -338.168+/-574.464 χ^2/NDF:4.6/2

Left: -67.839+/-417.301 χ^2/NDF: 5.6/6

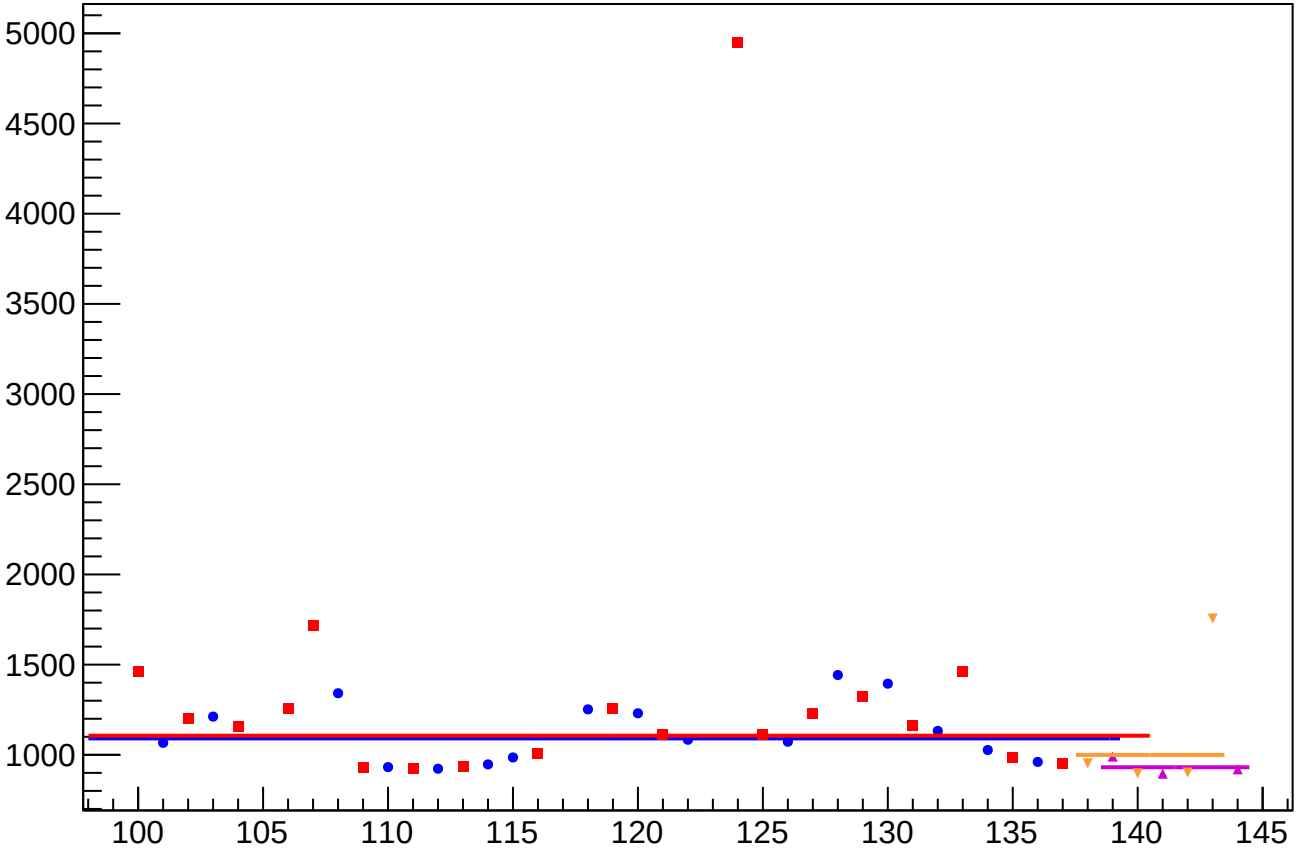
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -174.604+/-333.698 χ^2/NDF:19.3/18

Out: -308.012+/-340.557 χ^2/NDF:8.4/22

All: -239.951+/-238.348 χ^2/NDF: 27.8/41

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 999.500+/-0.429 χ^2/NDF:338670.4/3

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 931.003+/-0.406 χ^2/NDF:9138.7/2

Left: 963.355+/-0.295 χ^2/NDF: 361239.5/6

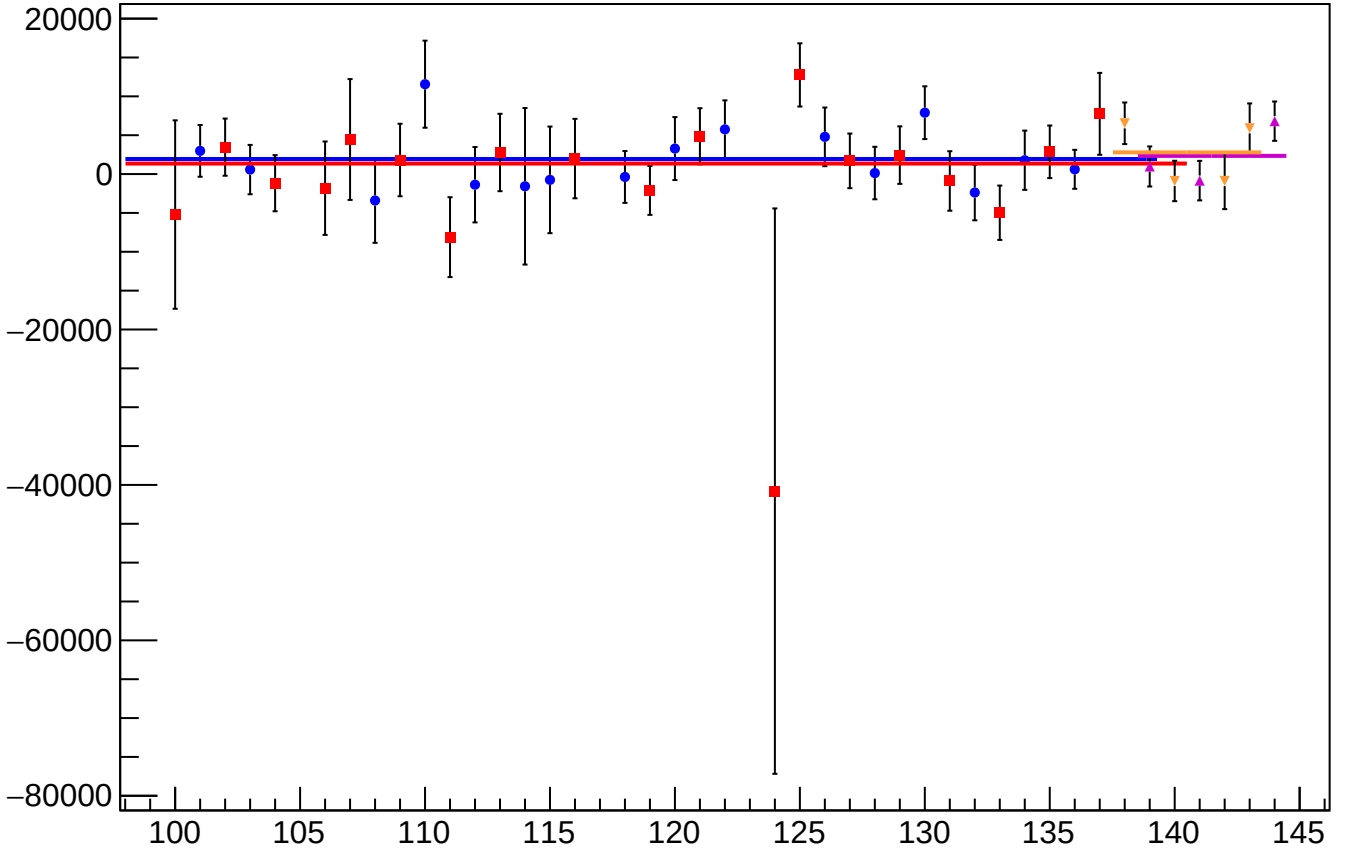
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1037.039+/-0.236 χ^2/NDF:389289.2/18

Out: 1072.530+/-0.241 χ^2/NDF:894977.0/22

All: 1054.424+/-0.169 χ^2/NDF: 1295347.8/41

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2791.938+/-1472.096 χ^2/NDF:5.9/3

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 2339.263+/-1471.866 χ^2/NDF:5.0/2

Left: 2565.565+/-1040.848 χ^2/NDF: 10.9/6

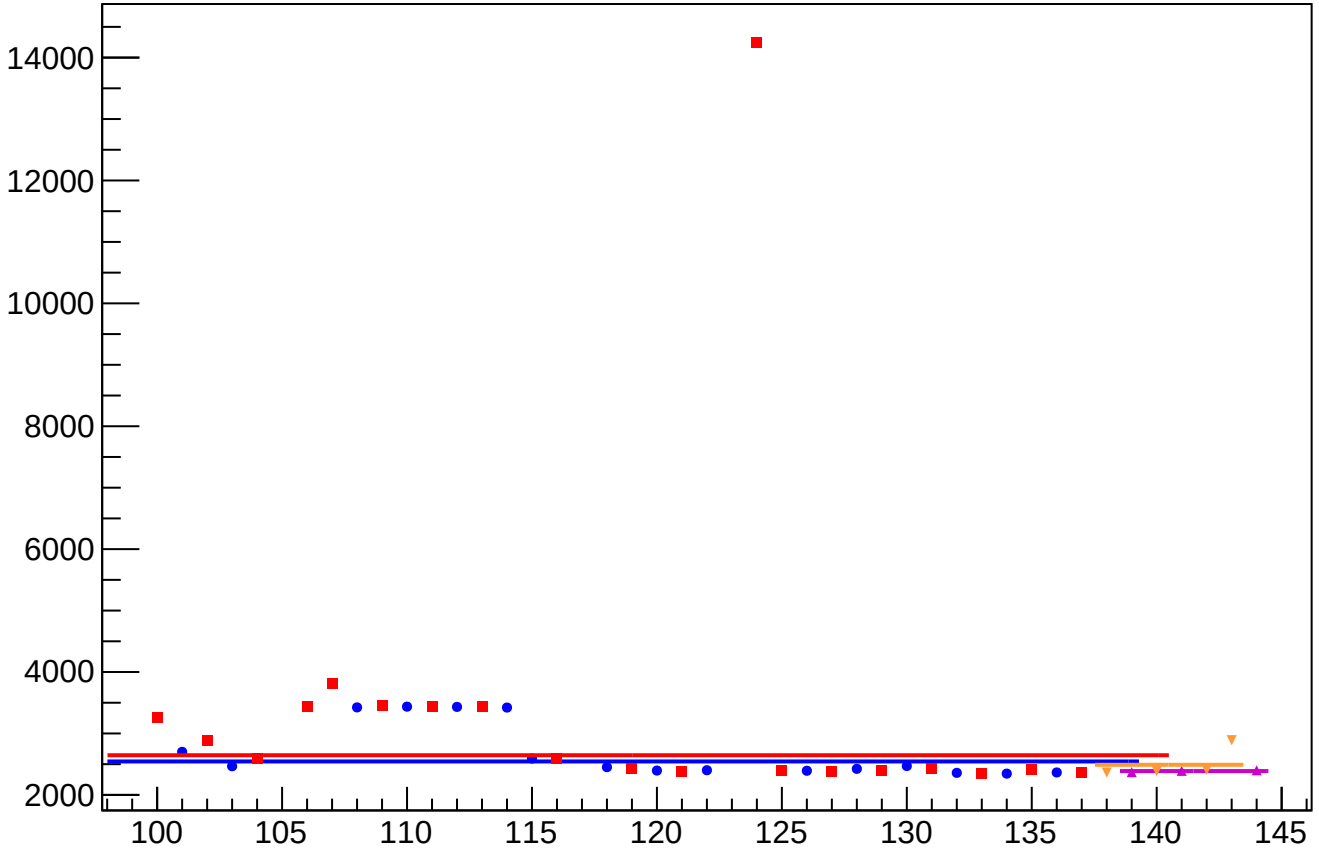
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 2057.616+/-799.684 χ^2/NDF:17.3/18

Out: 1798.370+/-818.712 χ^2/NDF:28.4/22

All: 1931.040+/-572.071 χ^2/NDF: 45.7/41

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

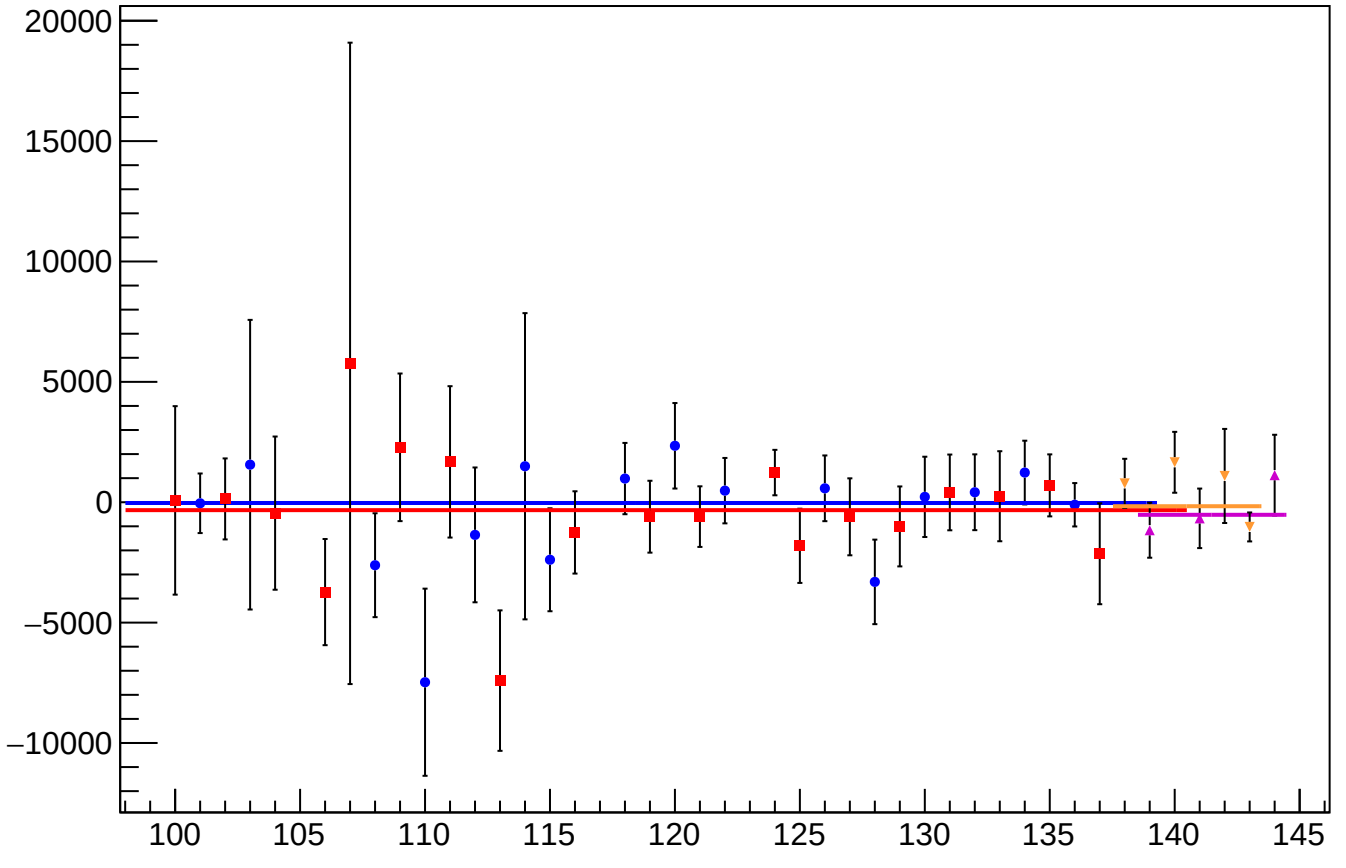
Left: 2438.978+/-0.736 χ^2/NDF: 44870.8/6

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2498.211+/-0.565 χ^2/NDF:241704.1/18

Out: 2597.529+/-0.579 χ^2/NDF:592294.7/22

All: 2546.703+/-0.405 χ^2/NDF: 849060.8/41



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: -165.576+/-465.766 χ^2/NDF:5.4/3

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -522.095+/-750.464 χ^2/NDF:1.3/2

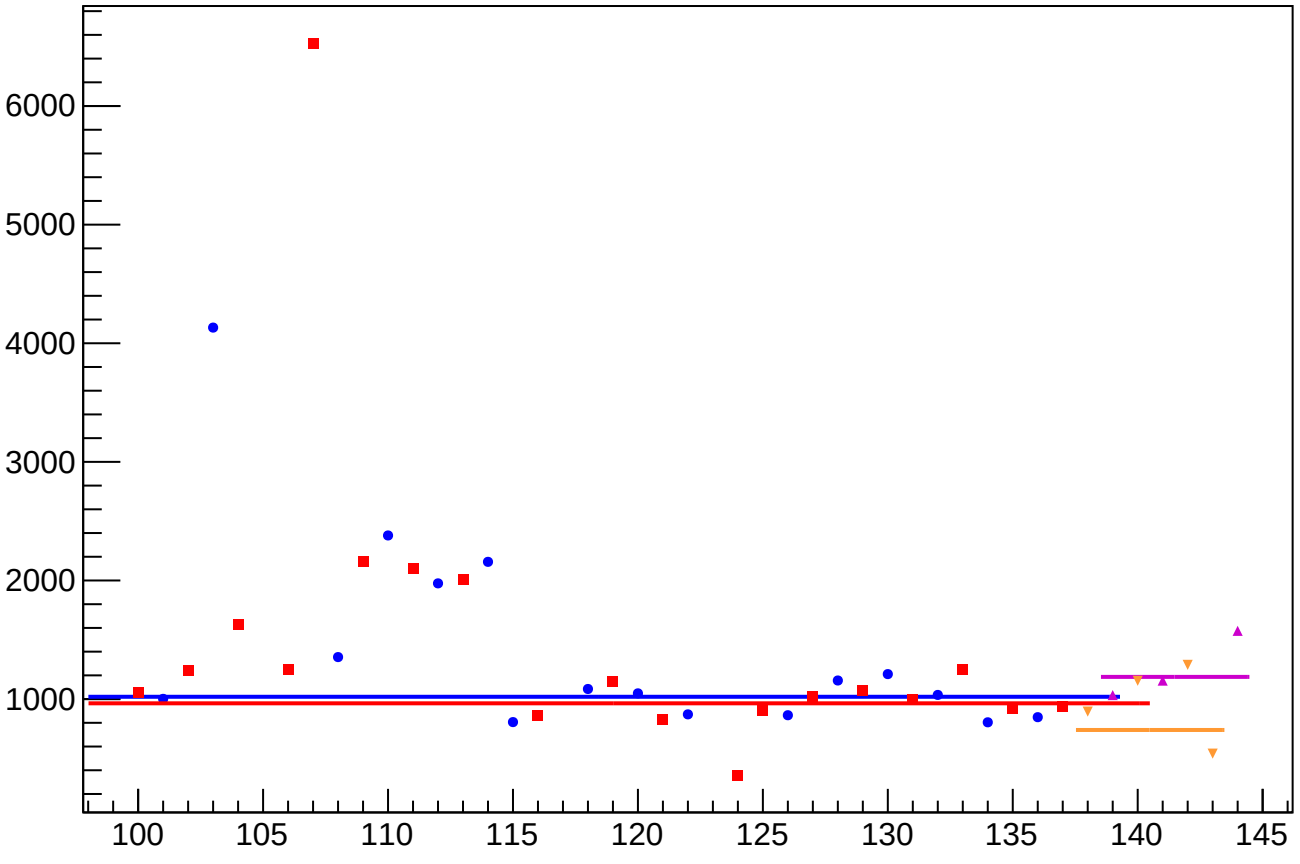
Left: -264.716+/-395.743 χ^2/NDF: 6.9/6

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -142.223+/-356.906 χ^2/NDF:15.4/18

Out: -259.614+/-302.827 χ^2/NDF:21.1/22

All: -210.477+/-230.909 χ^2/NDF: 36.6/41



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 739.647+/-0.329 χ^2/NDF:639200.1/3

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 1187.212+/-0.531 χ^2/NDF:144494.4/2

Left: 864.105+/-0.280 χ^2/NDF: 1297233.5/6

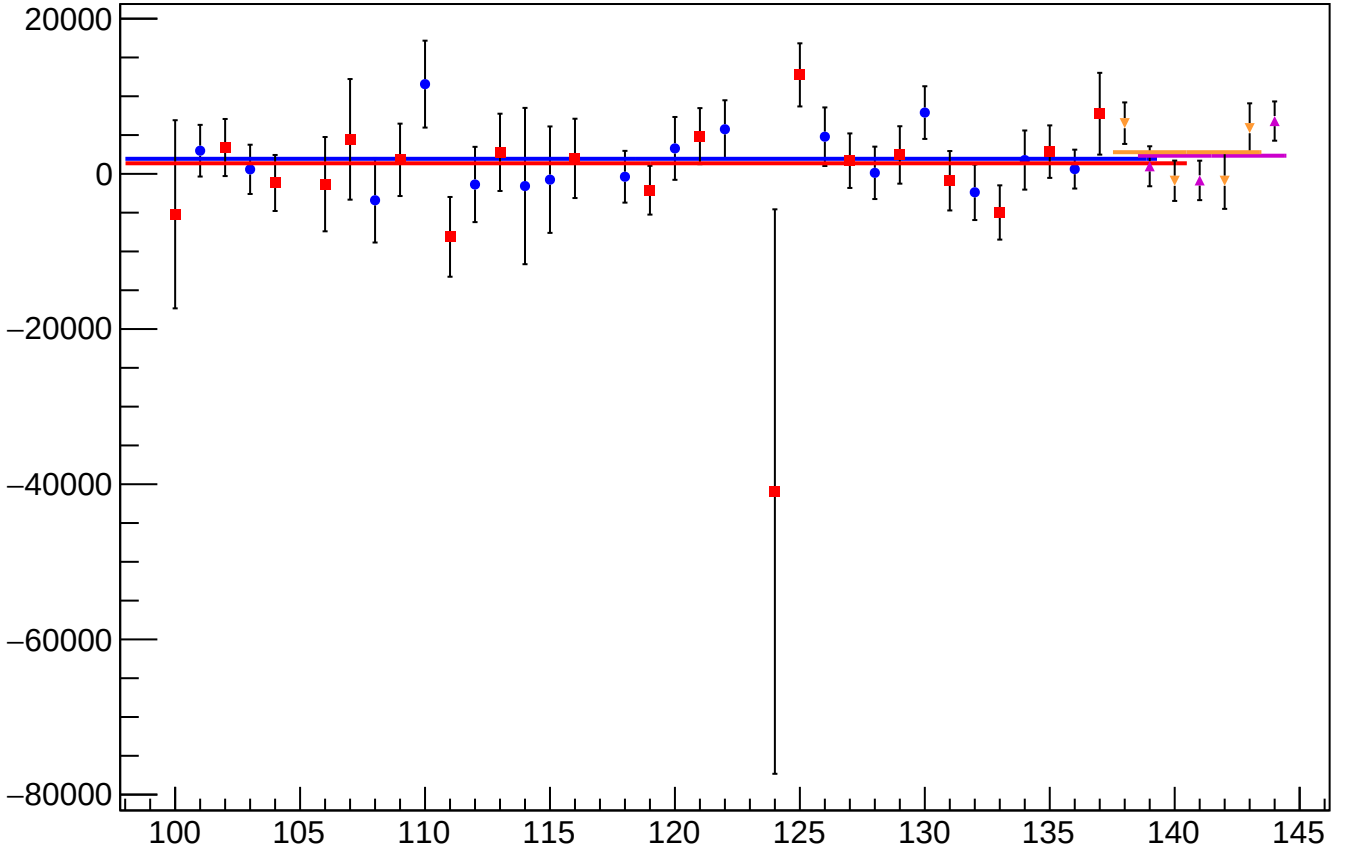
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 1057.450+/-0.252 χ^2/NDF:1586512.6/18

Out: 869.380+/-0.214 χ^2/NDF:3217346.8/22

All: 948.102+/-0.163 χ^2/NDF: 5126750.2/41

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 2339.479+/-1471.866 χ^2/NDF:5.0/2

Left: 2565.720+/-1040.848 χ^2/NDF: 10.9/6

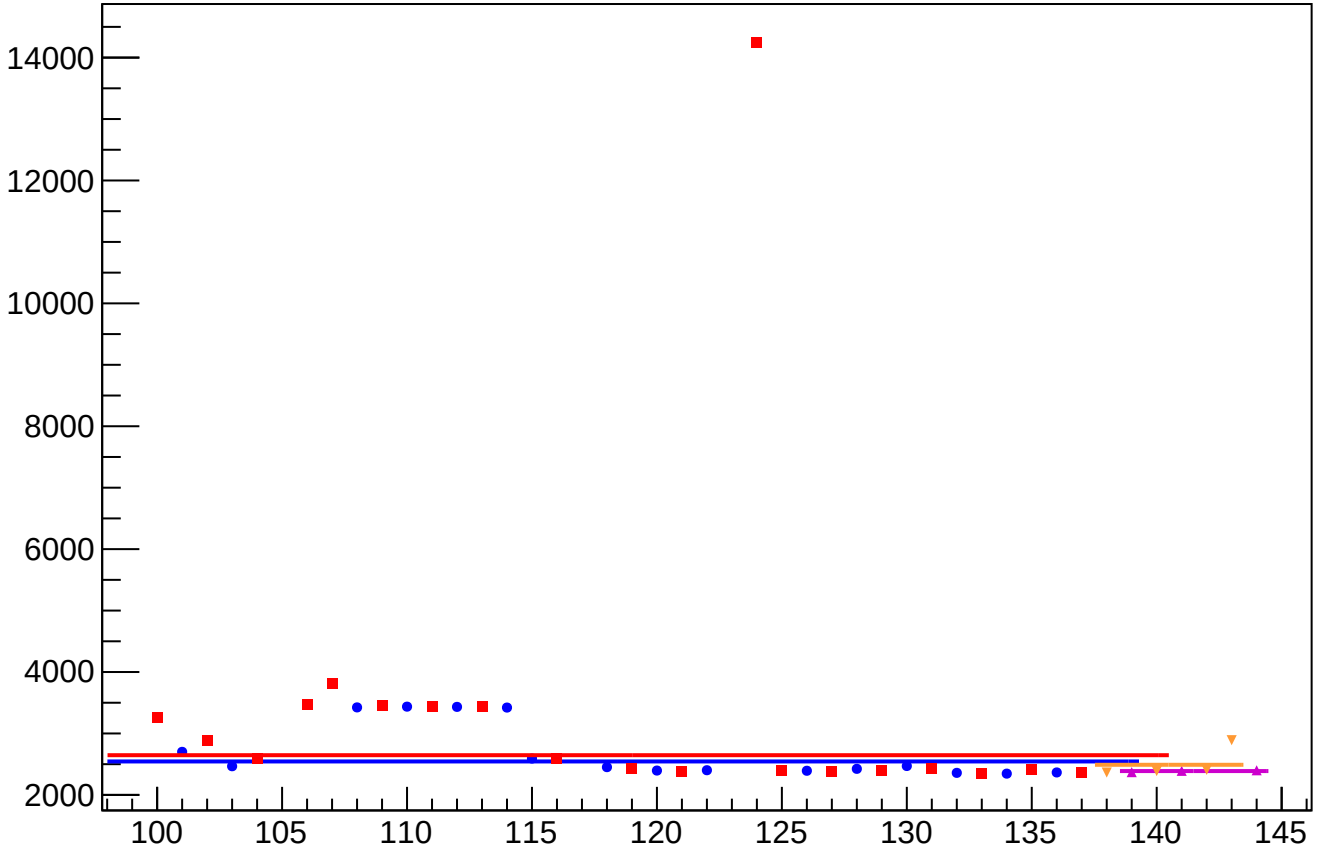
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2057.925+/-799.684 χ^2/NDF:17.3/18

Out: 1805.258+/-818.885 χ^2/NDF:28.3/22

All: 1934.589+/-572.130 χ^2/NDF: 45.6/41

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

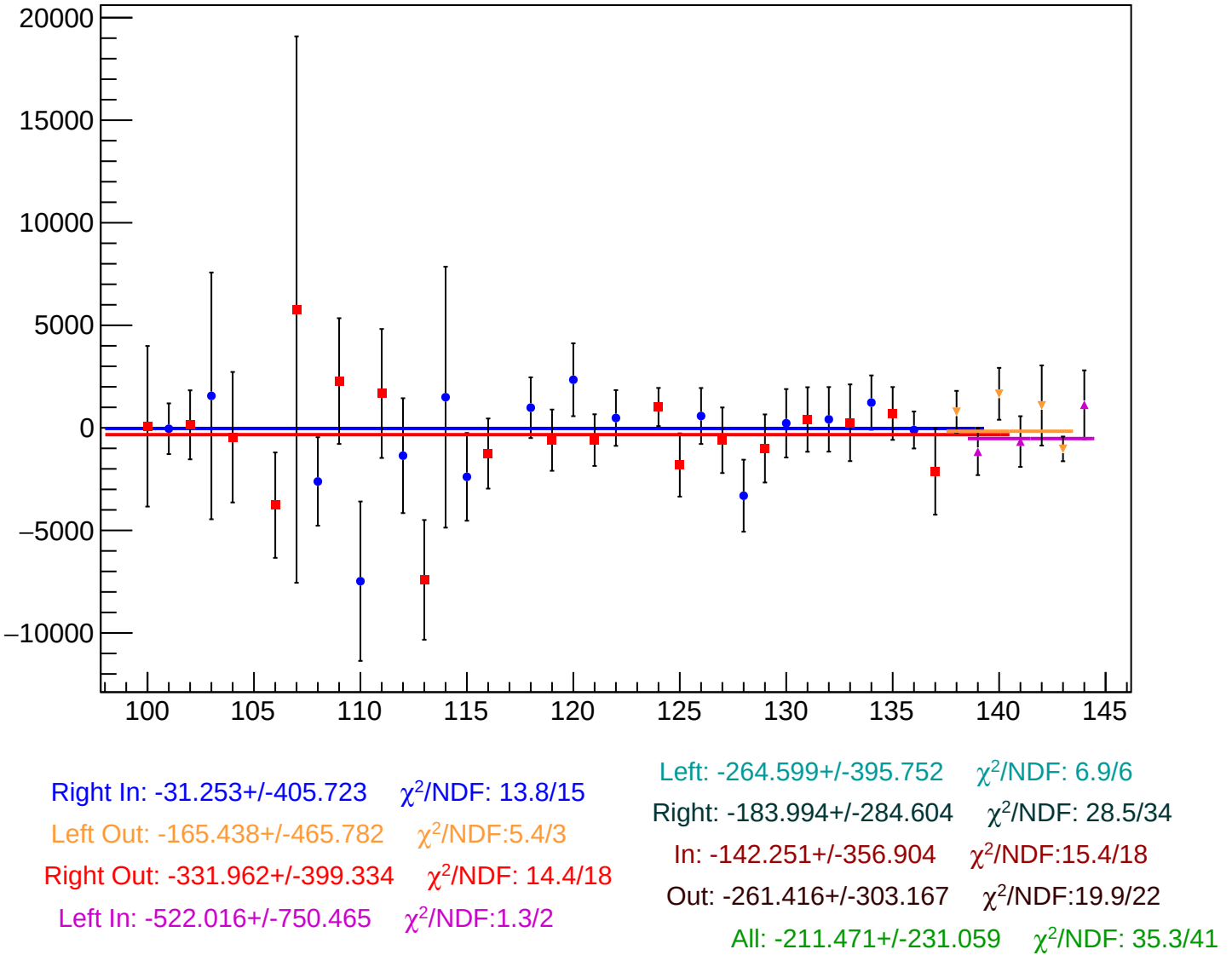
Left: 2438.978+/-0.736 χ^2/NDF: 44870.8/6

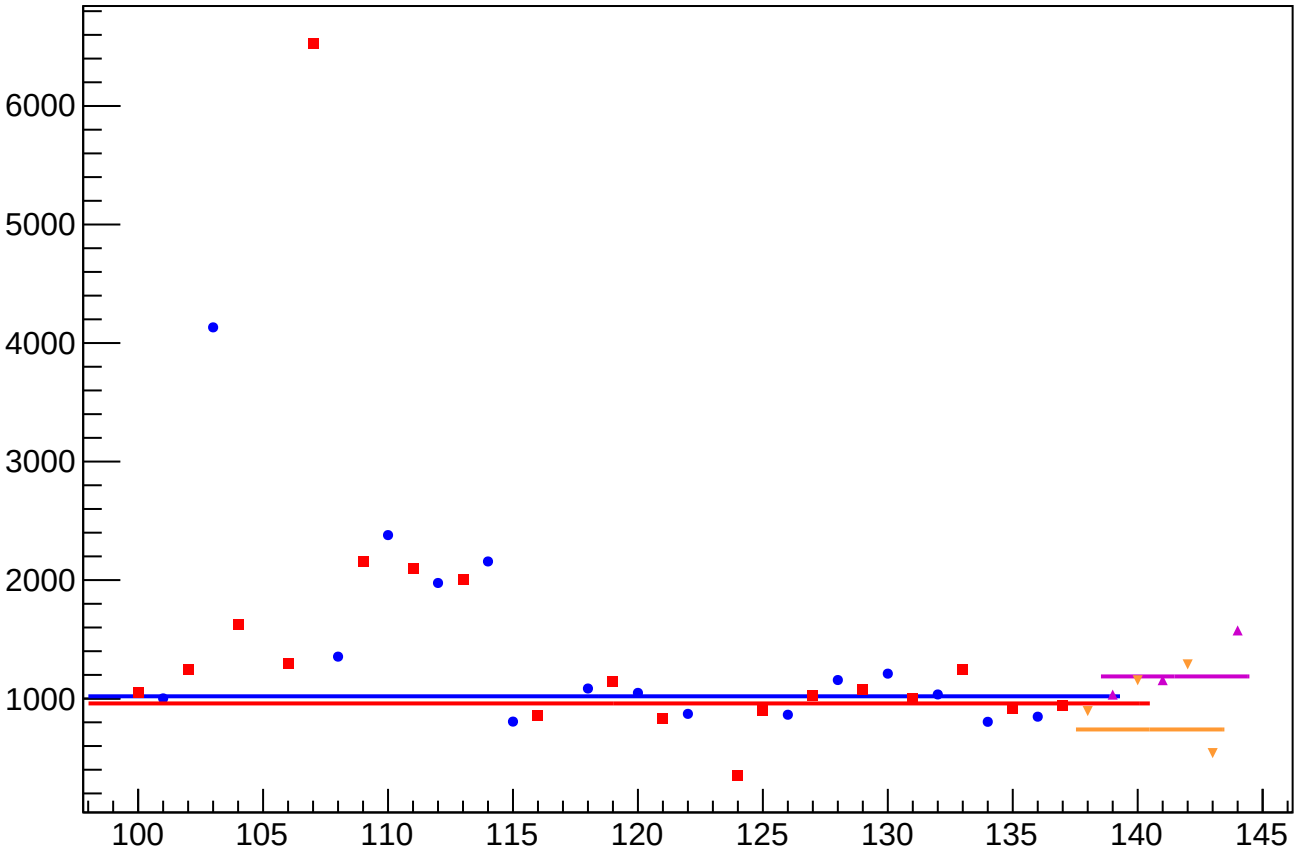
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2498.211+/-0.565 χ^2/NDF:241704.1/18

Out: 2597.893+/-0.579 χ^2/NDF:594983.9/22

All: 2546.870+/-0.405 χ^2/NDF: 851857.3/41


asym_atl1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: -165.438+/-465.782 χ²/NDF:5.4/3
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: -522.016+/-750.465 χ²/NDF:1.3/2
Left: -264.599+/-395.752 χ²/NDF: 6.9/6
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: -142.251+/-356.904 χ²/NDF:15.4/18
Out: -261.416+/-303.167 χ²/NDF:19.9/22
All: -211.471+/-231.059 χ²/NDF: 35.3/41



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1187.212+/-0.531 χ^2/NDF:144494.2/2

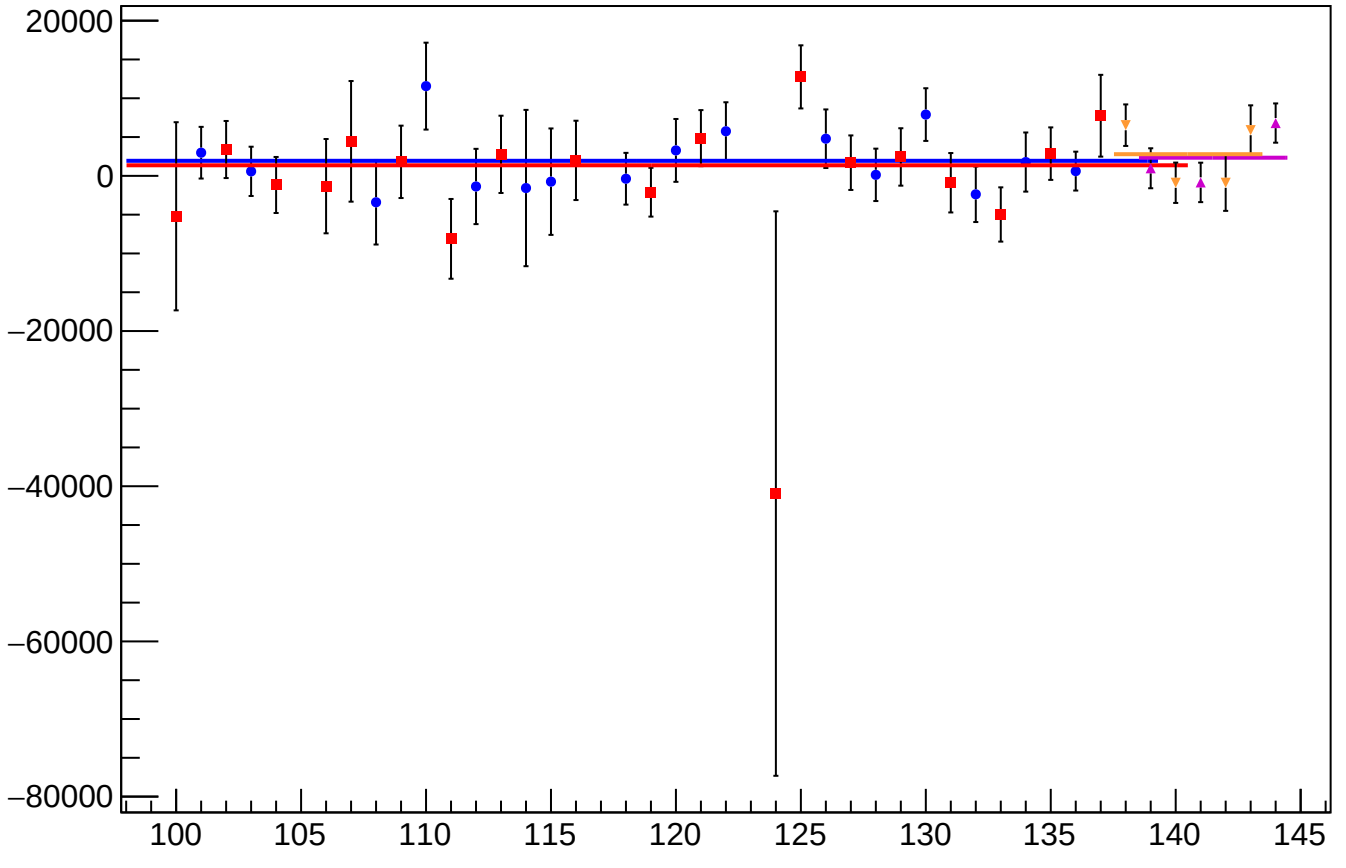
Left: 864.134+/-0.280 χ^2/NDF: 1297070.4/6

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1057.443+/-0.252 χ^2/NDF:1586515.6/18

Out: 866.284+/-0.214 χ^2/NDF:3239932.4/22

All: 946.404+/-0.163 χ^2/NDF: 5159719.1/41



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 2339.479+/-1471.866 χ^2/NDF:5.0/2

Left: 2565.720+/-1040.848 χ^2/NDF: 10.9/6

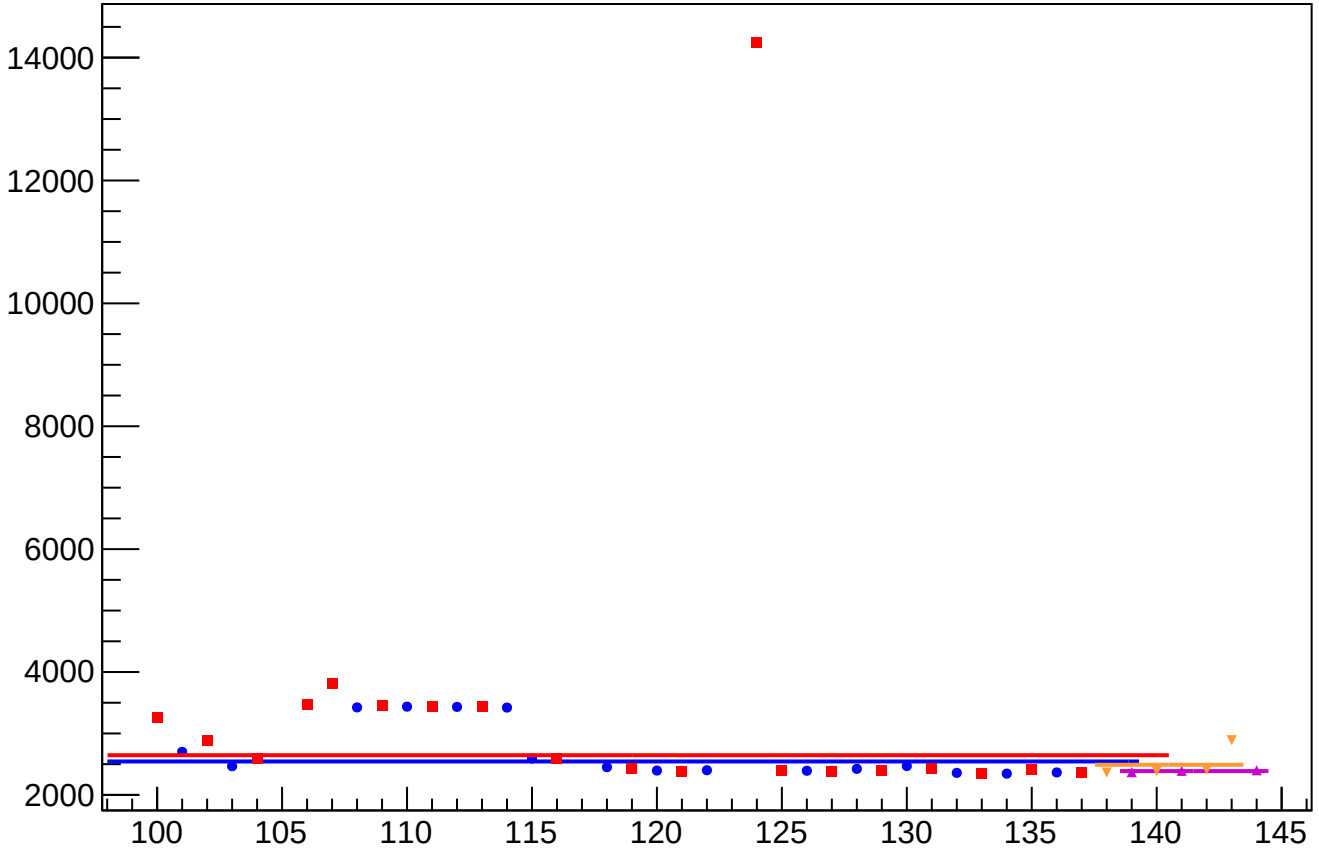
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2057.925+/-799.684 χ^2/NDF:17.3/18

Out: 1805.258+/-818.885 χ^2/NDF:28.3/22

All: 1934.589+/-572.130 χ^2/NDF: 45.6/41

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2387.891+/-1.041 χ^2/NDF:148.4/2

Left: 2438.978+/-0.736 χ^2/NDF: 44870.8/6

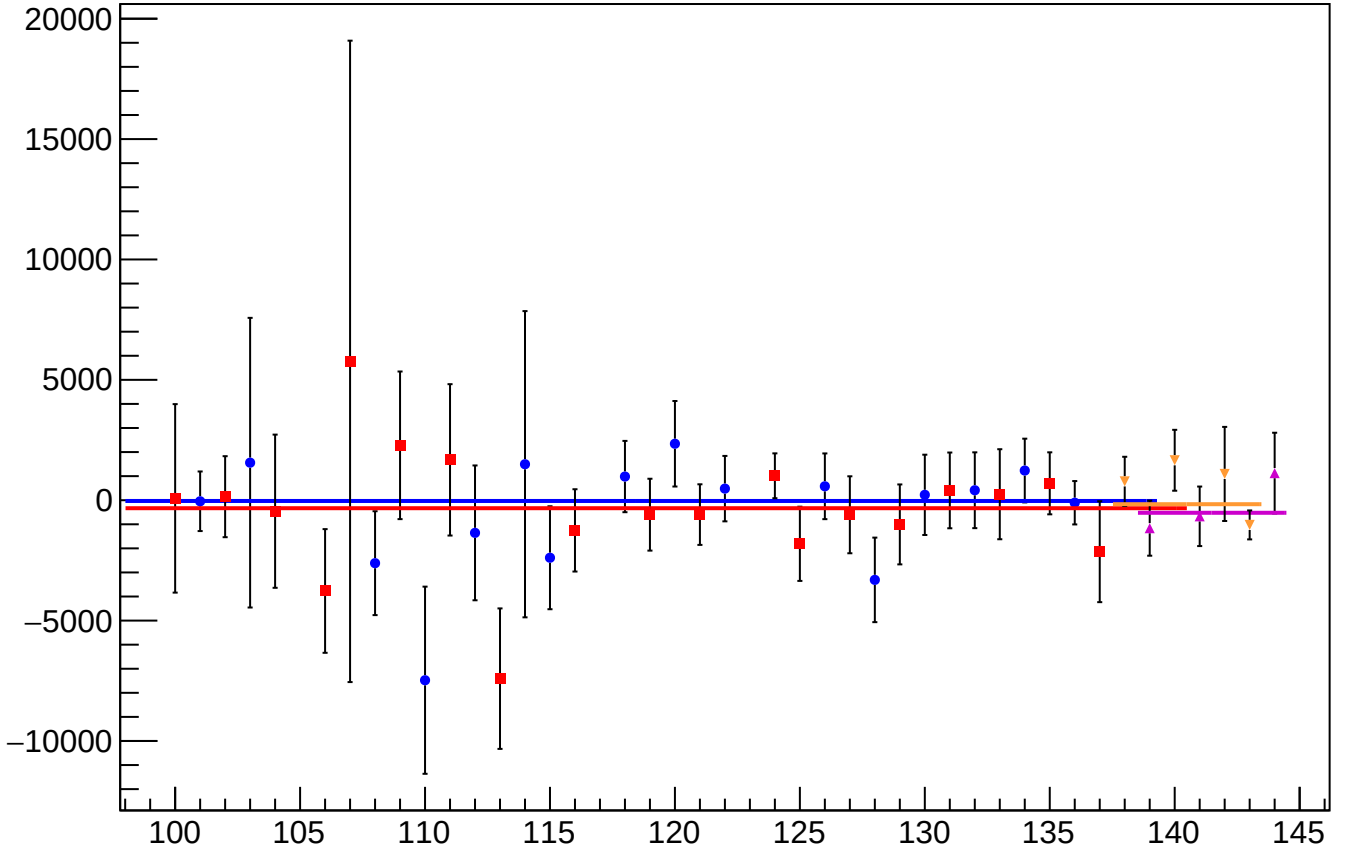
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2498.211+/-0.565 χ^2/NDF:241704.1/18

Out: 2597.893+/-0.579 χ^2/NDF:594983.9/22

All: 2546.870+/-0.405 χ^2/NDF: 851857.3/41

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: -165.438+/-465.782 χ^2/NDF:5.4/3

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -522.016+/-750.465 χ^2/NDF:1.3/2

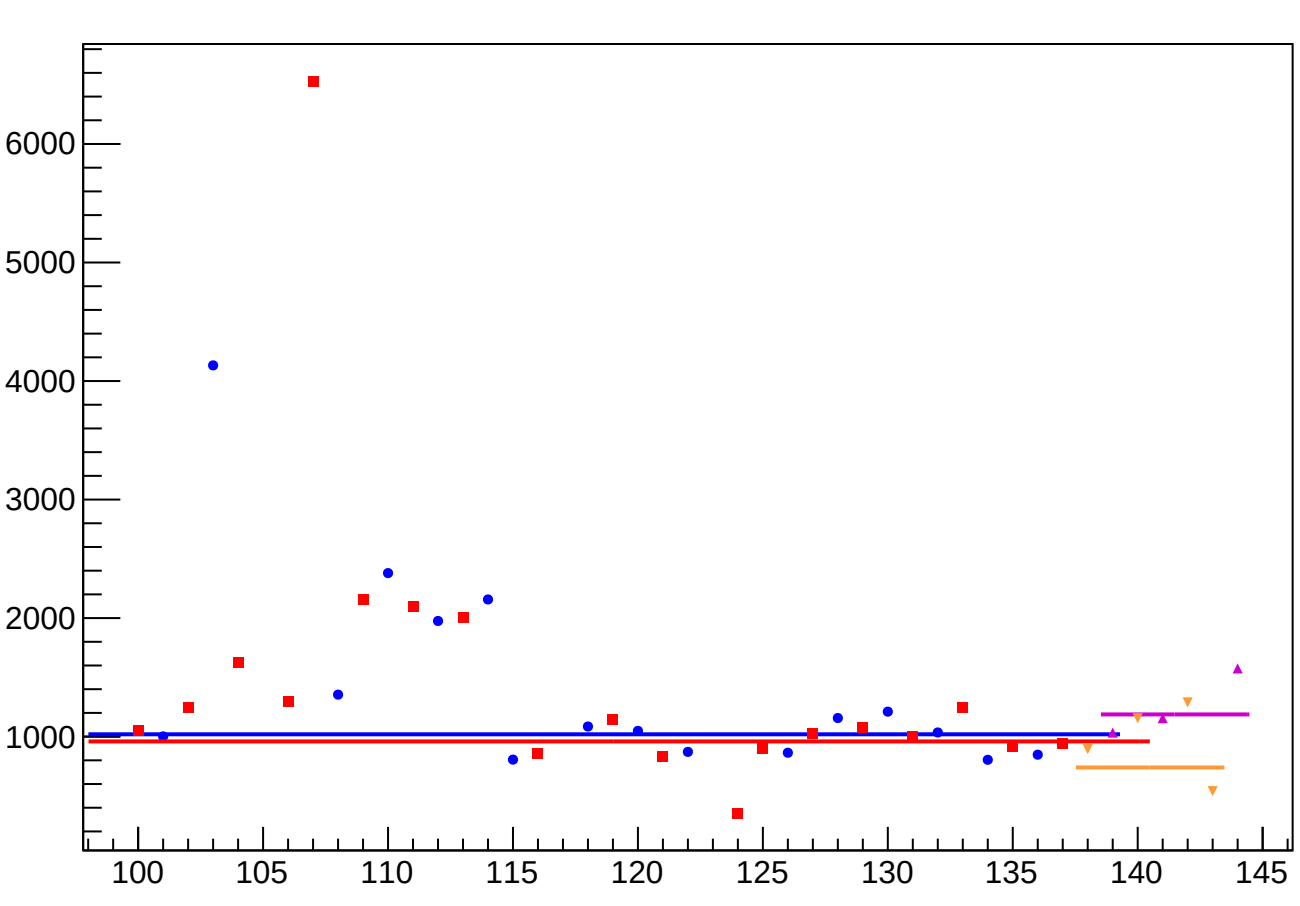
Left: -264.599+/-395.752 χ^2/NDF: 6.9/6

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -142.251+/-356.904 χ^2/NDF:15.4/18

Out: -261.416+/-303.167 χ^2/NDF:19.9/22

All: -211.471+/-231.059 χ^2/NDF: 35.3/41



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1187.212+/-0.531 χ^2/NDF:144494.2/2

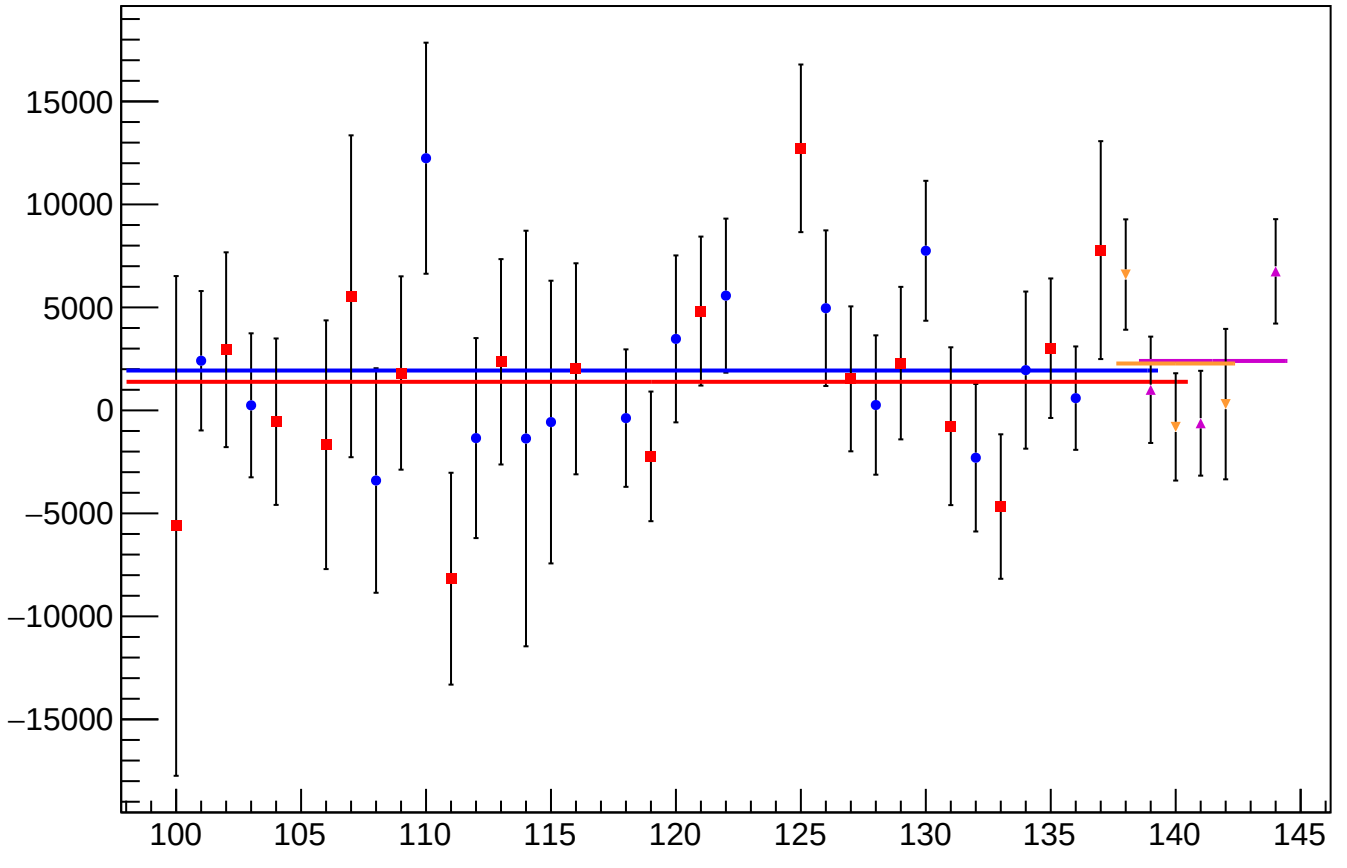
Left: 864.134+/-0.280 χ^2/NDF: 1297070.4/6

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1057.443+/-0.252 χ^2/NDF:1586515.6/18

Out: 866.284+/-0.214 χ^2/NDF:3239932.4/22

All: 946.404+/-0.163 χ^2/NDF: 5159719.1/41



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.239+/-1662.915 χ^2/NDF:4.3/2

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 2400.143+/-1474.250 χ^2/NDF:4.6/2

Left: 2345.616+/-1103.151 χ^2/NDF: 8.9/5

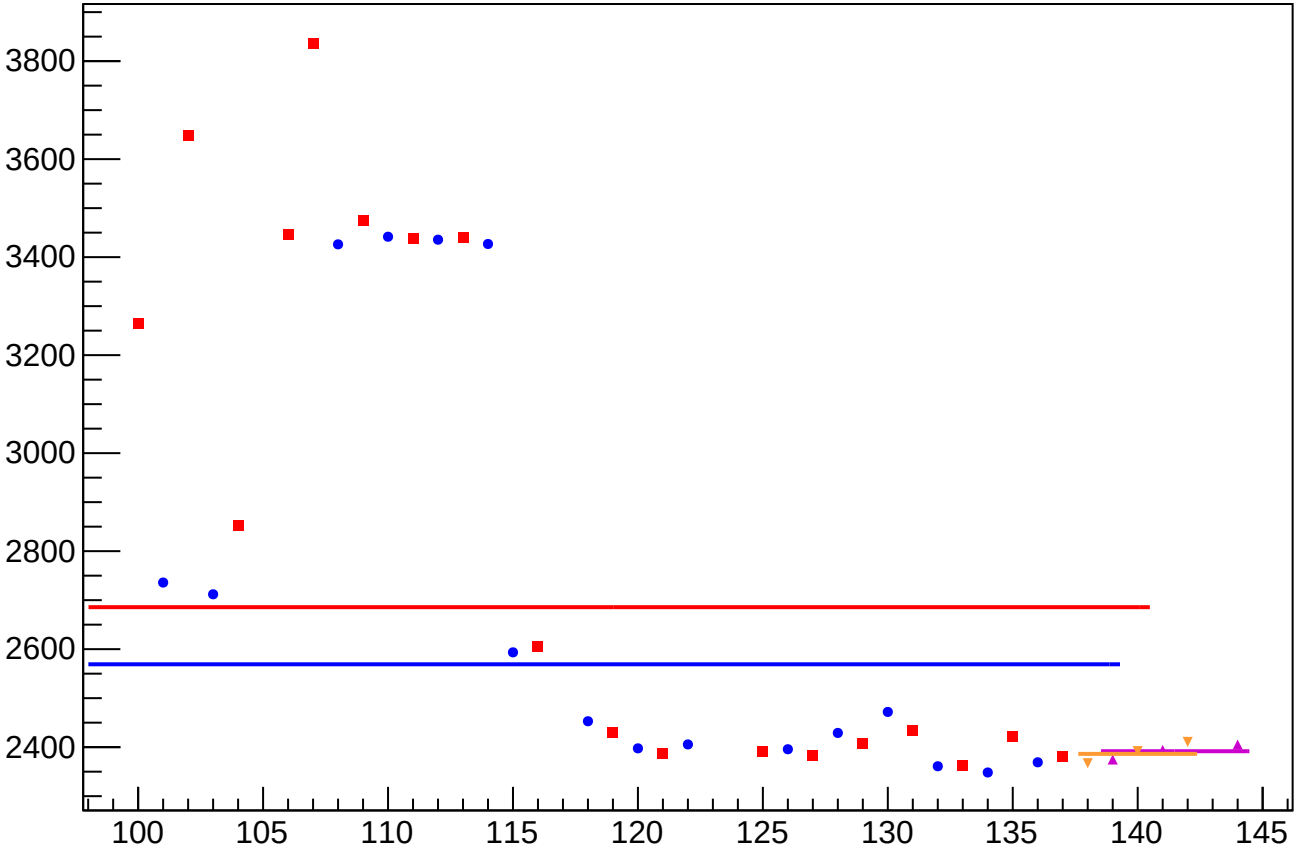
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 2074.671+/-805.837 χ^2/NDF:17.1/18

Out: 1626.725+/-862.690 χ^2/NDF:24.3/20

All: 1865.944+/-588.887 χ^2/NDF: 41.5/39

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2391.702+/-1.042 χ^2/NDF:145.1/2

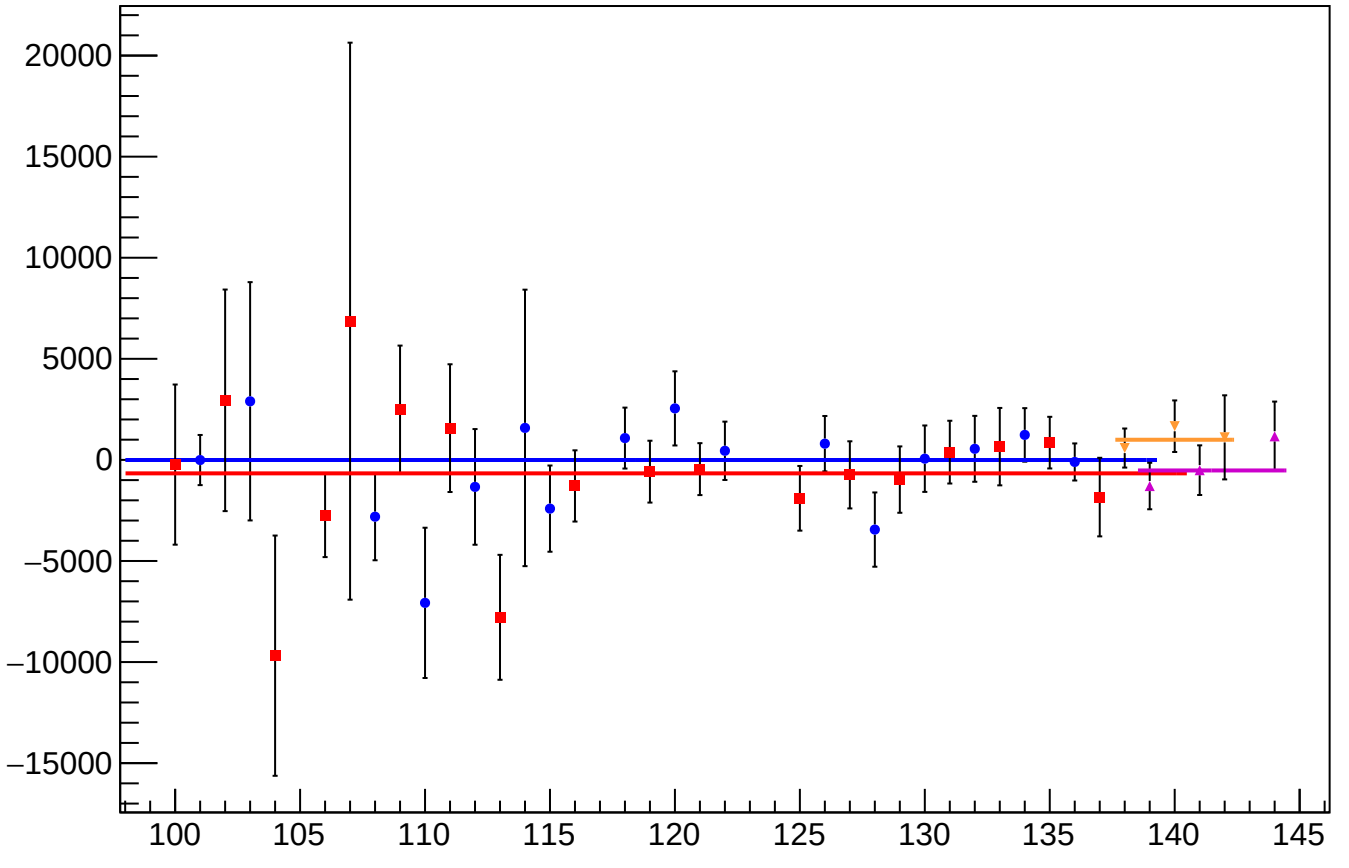
Left: 2389.334+/-0.780 χ^2/NDF: 356.5/5

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2516.118+/-0.570 χ^2/NDF:249946.0/18

Out: 2605.108+/-0.610 χ^2/NDF:466834.0/20

All: 2557.584+/-0.416 χ^2/NDF: 728145.0/39



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.582+/-722.184 χ^2/NDF:0.5/2

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -522.120+/-754.163 χ^2/NDF:1.4/2

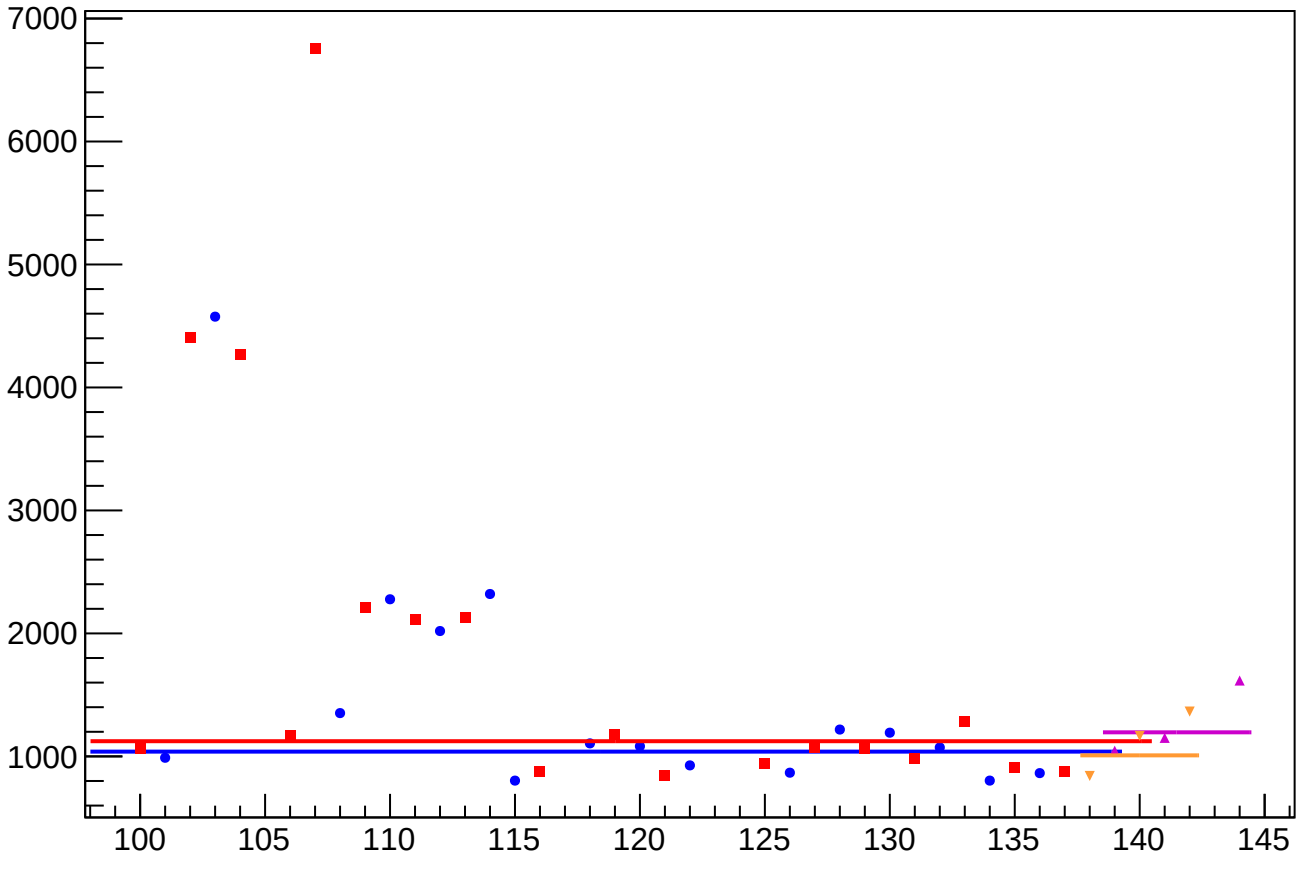
Left: 270.112+/-521.600 χ^2/NDF: 4.0/5

Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -124.099+/-361.732 χ^2/NDF:16.3/18

Out: -185.354+/-388.287 χ^2/NDF:18.6/20

All: -152.561+/-264.673 χ^2/NDF: 34.9/39



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 1008.422+/-0.511 χ^2/NDF:149396.6/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 1195.721+/-0.533 χ^2/NDF:156782.8/2

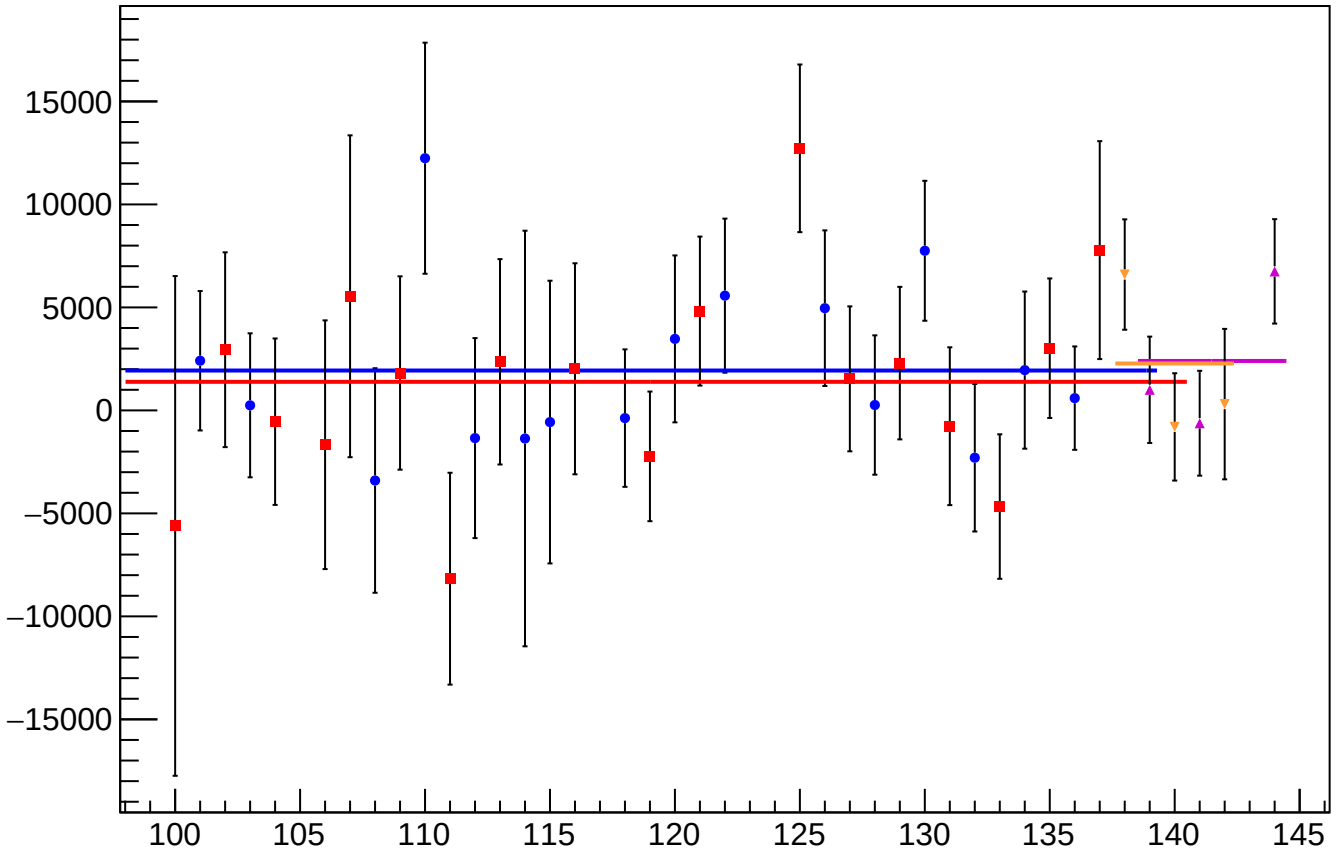
Left: 1098.017+/-0.369 χ^2/NDF: 370529.3/5

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1074.903+/-0.256 χ^2/NDF:1763179.6/18

Out: 1090.216+/-0.275 χ^2/NDF:2720994.8/20

All: 1082.018+/-0.187 χ^2/NDF: 4485839.5/39



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.241+/-1662.915 χ^2/NDF:4.3/2

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 2400.142+/-1474.250 χ^2/NDF:4.6/2

Left: 2345.616+/-1103.151 χ^2/NDF: 8.9/5

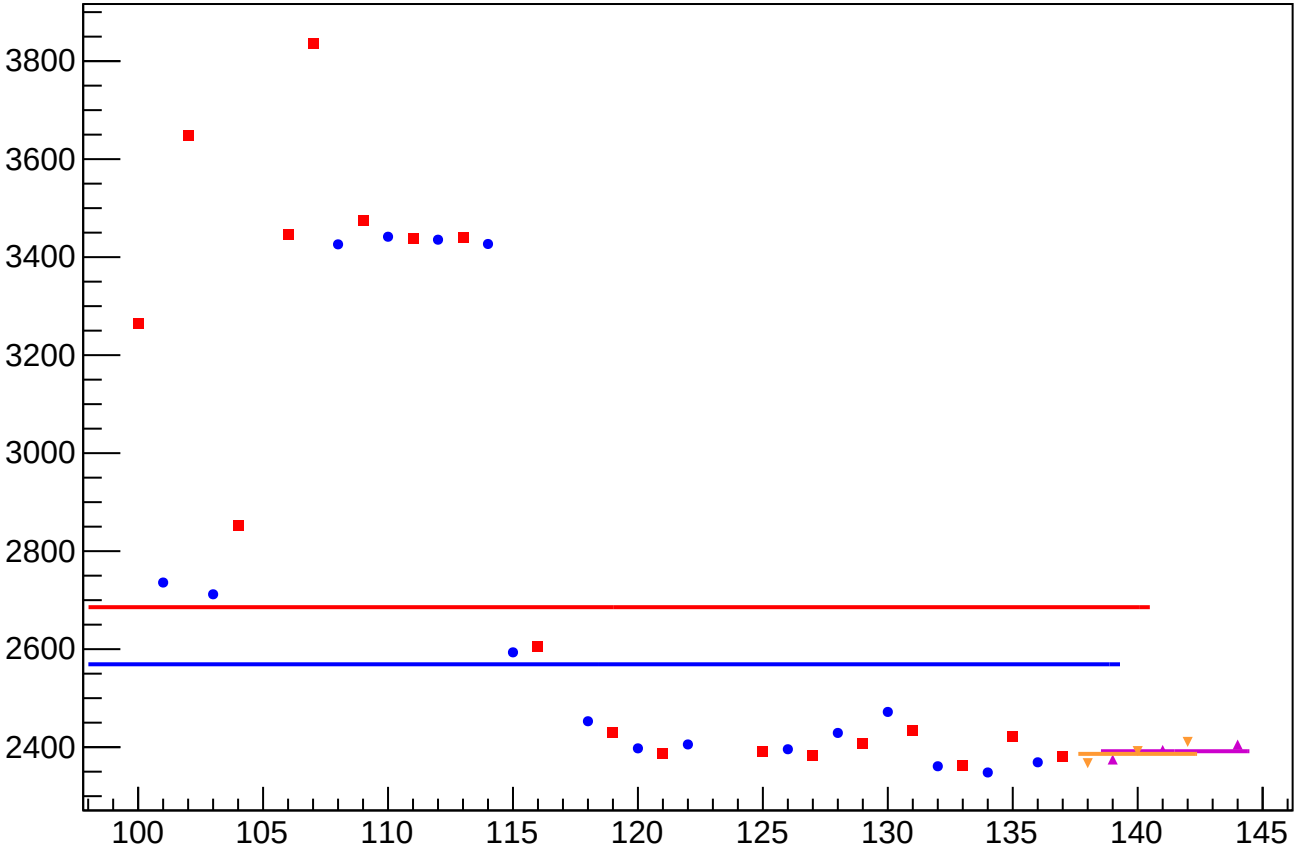
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 2074.669+/-805.837 χ^2/NDF:17.1/18

Out: 1626.724+/-862.690 χ^2/NDF:24.3/20

All: 1865.942+/-588.887 χ^2/NDF: 41.5/39

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2391.702+/-1.042 χ^2/NDF:145.1/2

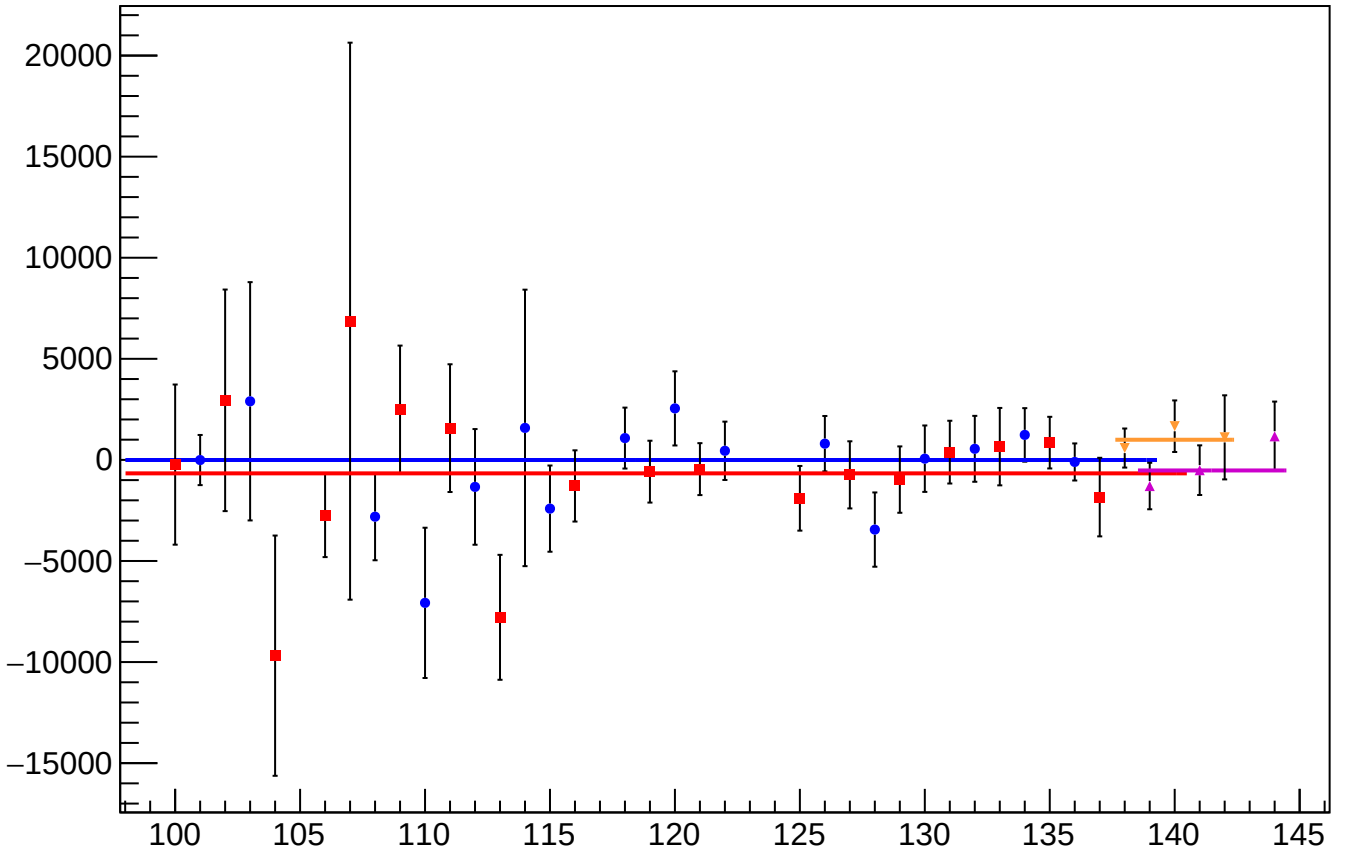
Left: 2389.334+/-0.780 χ^2/NDF: 356.5/5

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2516.118+/-0.570 χ^2/NDF:249945.7/18

Out: 2605.108+/-0.610 χ^2/NDF:466833.2/20

All: 2557.584+/-0.416 χ^2/NDF: 728144.0/39



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.584+/-722.184 χ^2/NDF:0.5/2

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -522.123+/-754.163 χ^2/NDF:1.4/2

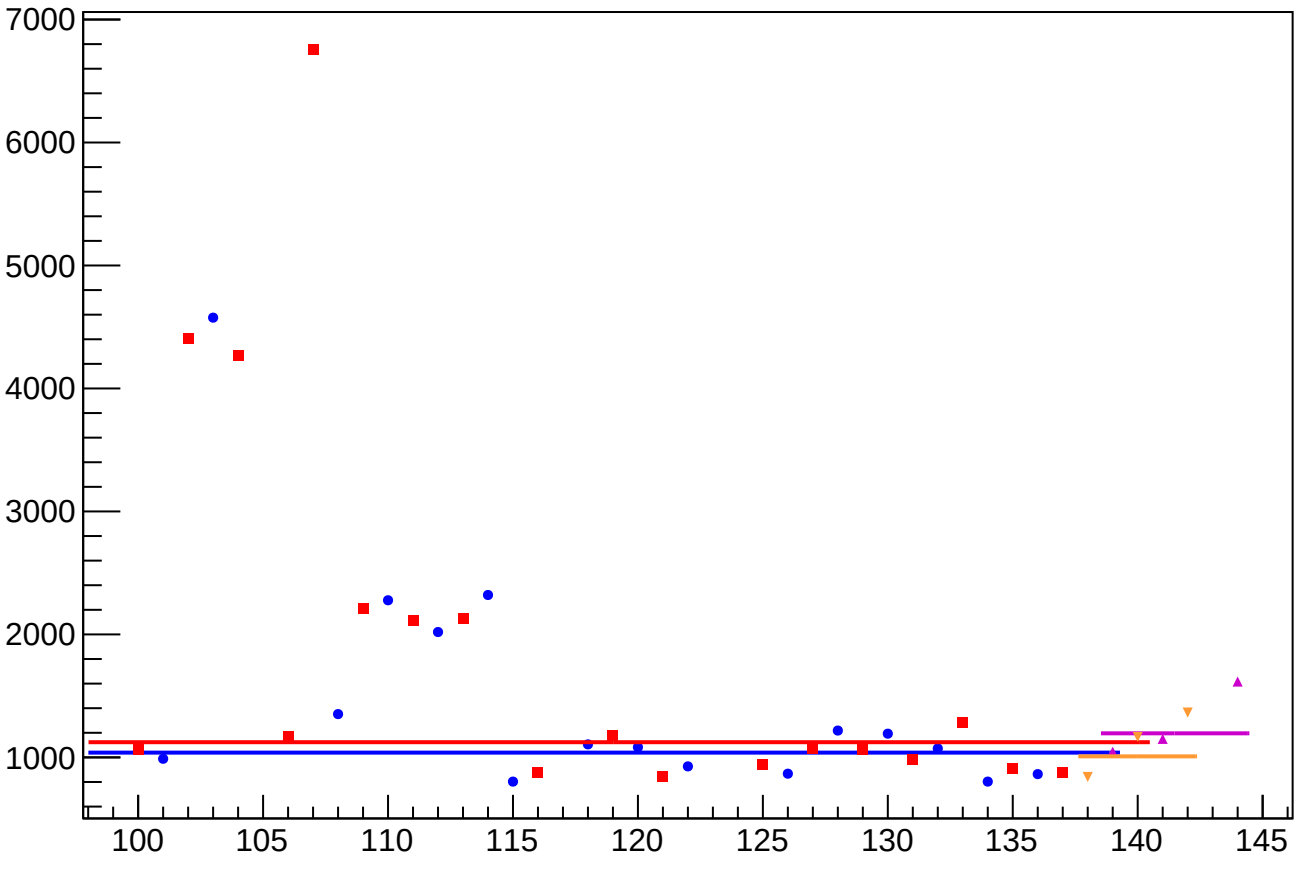
Left: 270.112+/-521.600 χ^2/NDF: 4.0/5

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -124.102+/-361.732 χ^2/NDF:16.3/18

Out: -185.355+/-388.287 χ^2/NDF:18.6/20

All: -152.562+/-264.674 χ^2/NDF: 34.9/39



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 1008.423+/-0.511 χ^2/NDF:149397.4/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 1195.722+/-0.533 χ^2/NDF:156783.5/2

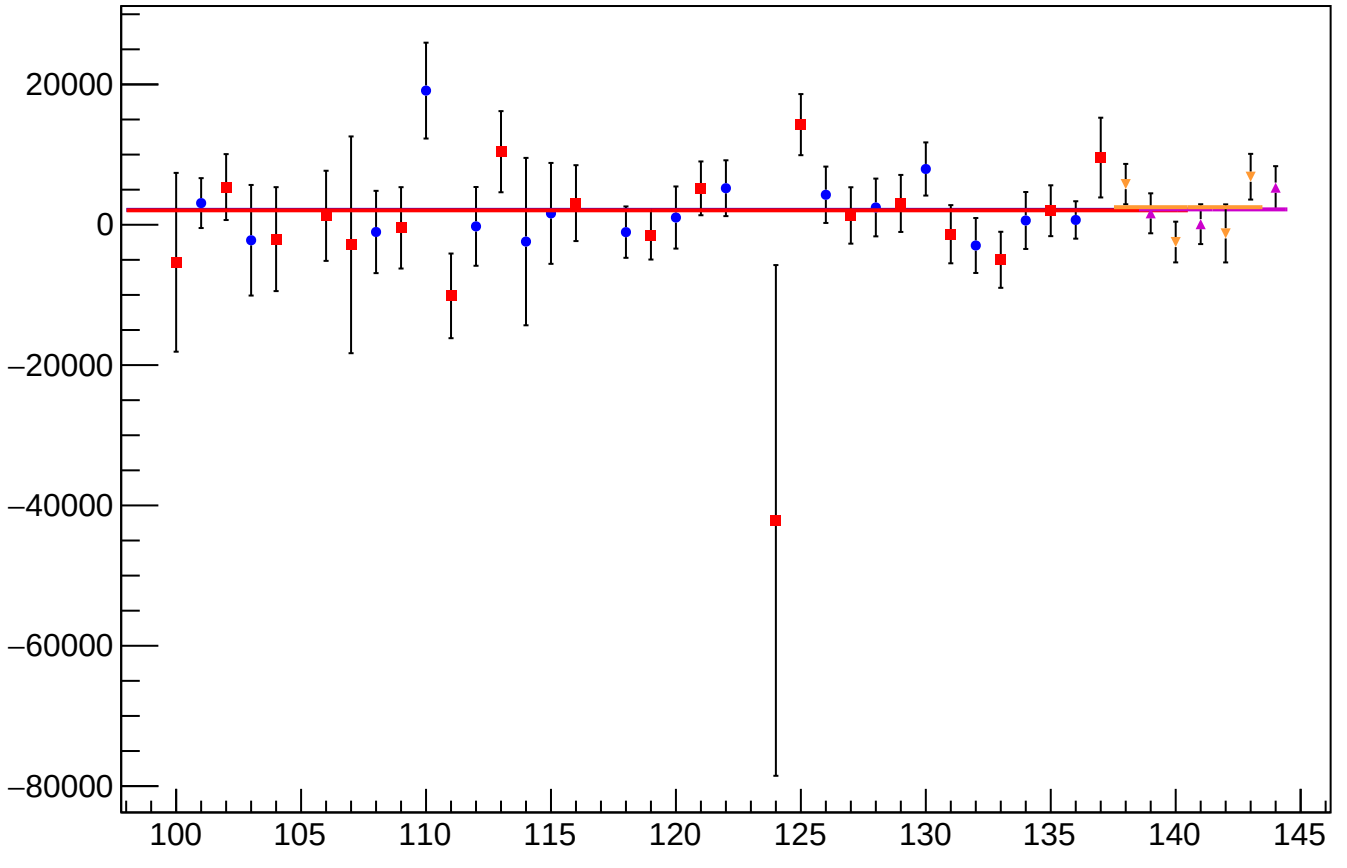
Left: 1098.017+/-0.369 χ^2/NDF: 370531.0/5

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1074.904+/-0.256 χ^2/NDF:1763174.1/18

Out: 1090.216+/-0.275 χ^2/NDF:2720993.4/20

All: 1082.019+/-0.187 χ^2/NDF: 4485832.5/39



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 2501.373+/-1596.600 χ^2/NDF:6.8/3

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 2190.722+/-1680.427 χ^2/NDF:1.6/2

Left: 2353.989+/-1157.467 χ^2/NDF: 8.5/6

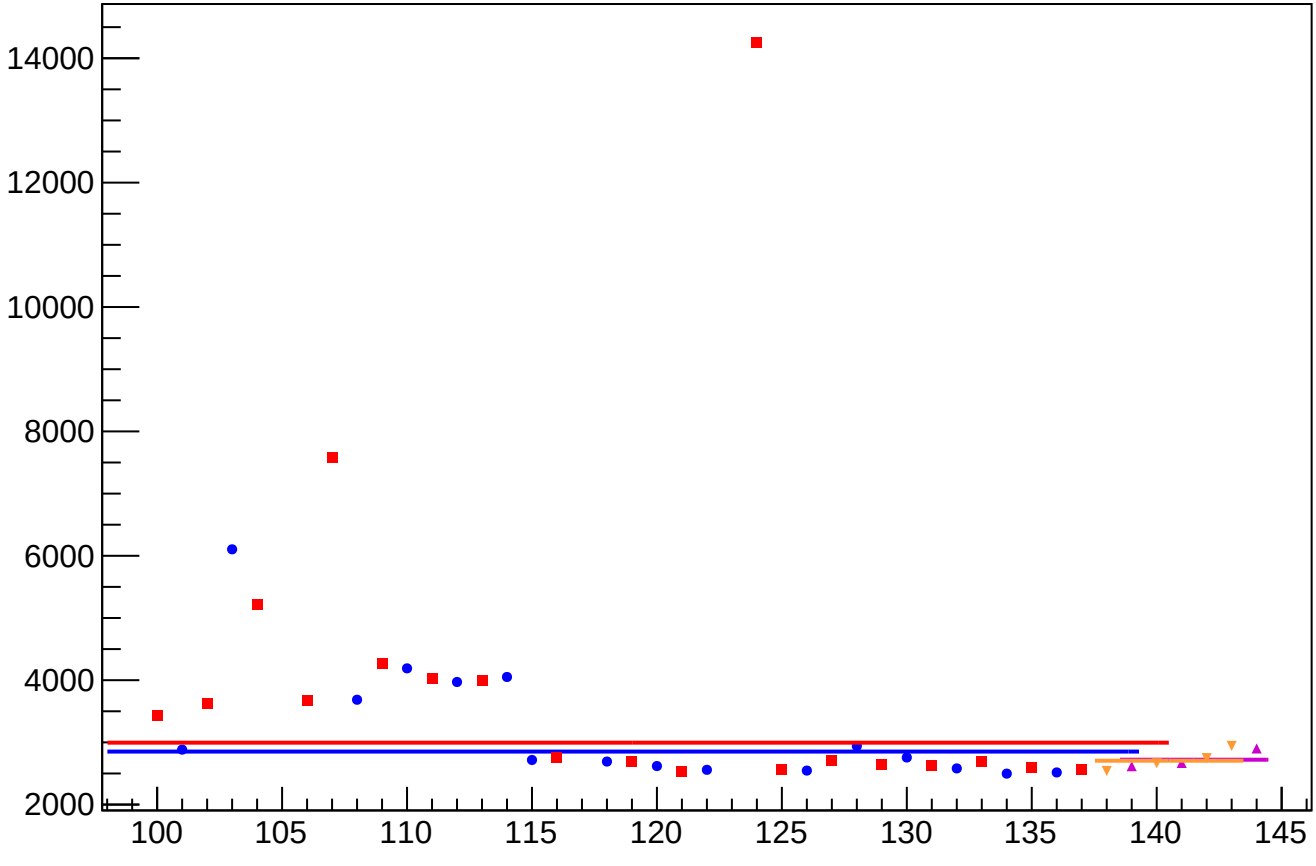
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 2142.206+/-911.333 χ^2/NDF:15.0/18

Out: 2208.314+/-926.051 χ^2/NDF:31.2/22

All: 2174.730+/-649.551 χ^2/NDF: 46.2/41

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2705.272+/-1.129 χ^2/NDF:17908.4/3

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2721.390+/-1.188 χ^2/NDF:10329.7/2

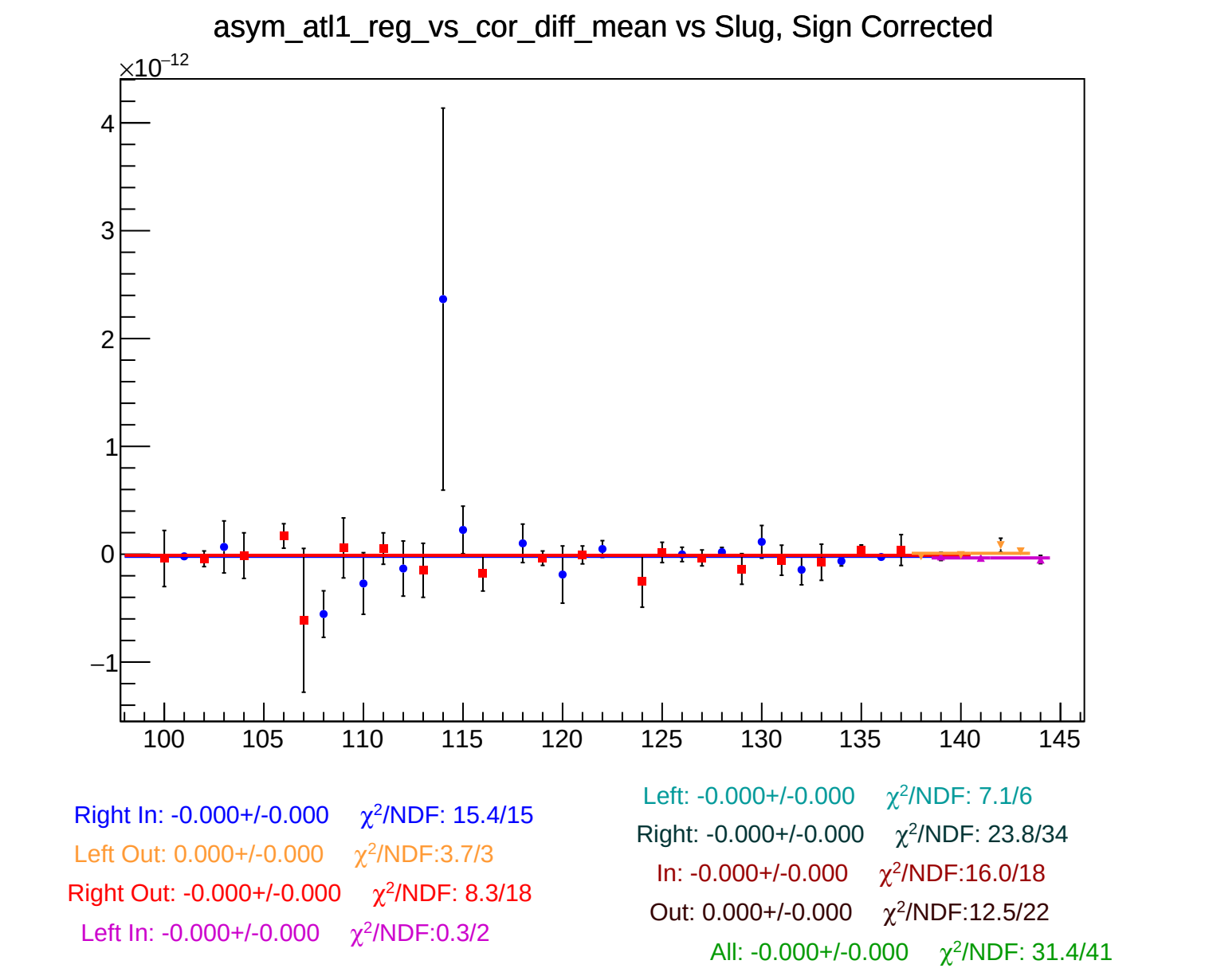
Left: 2712.919+/-0.818 χ^2/NDF: 28334.8/6

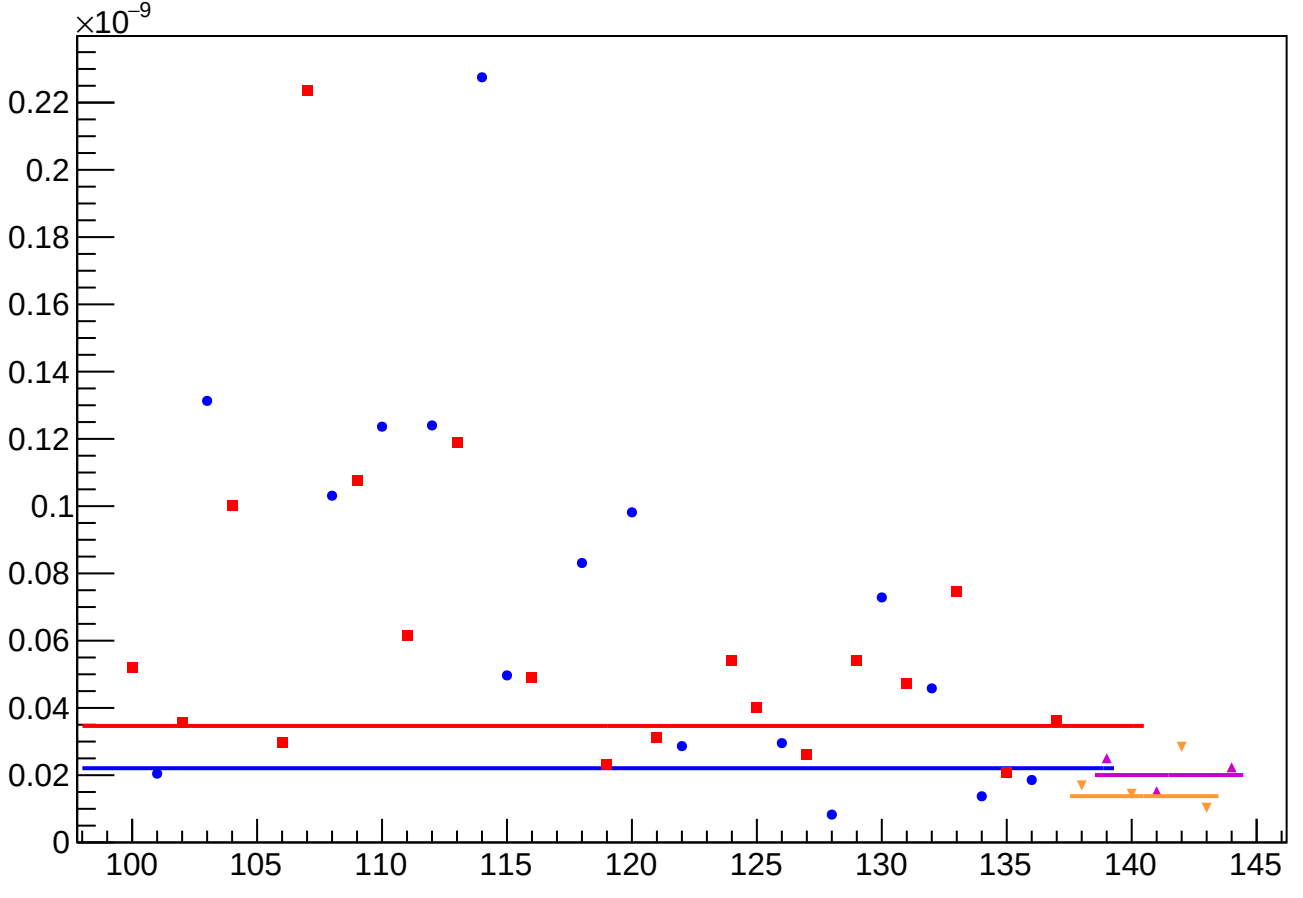
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2813.731+/-0.644 χ^2/NDF:667600.5/18

Out: 2897.880+/-0.655 χ^2/NDF:1040938.9/22

All: 2855.131+/-0.459 χ^2/NDF: 1716928.6/41


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3.7/3
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.3/2
Left: -0.000+/-0.000 χ²/NDF: 7.1/6
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:16.0/18
Out: 0.000+/-0.000 χ²/NDF:12.5/22
All: -0.000+/-0.000 χ²/NDF: 31.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:196112.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:91747.7/2

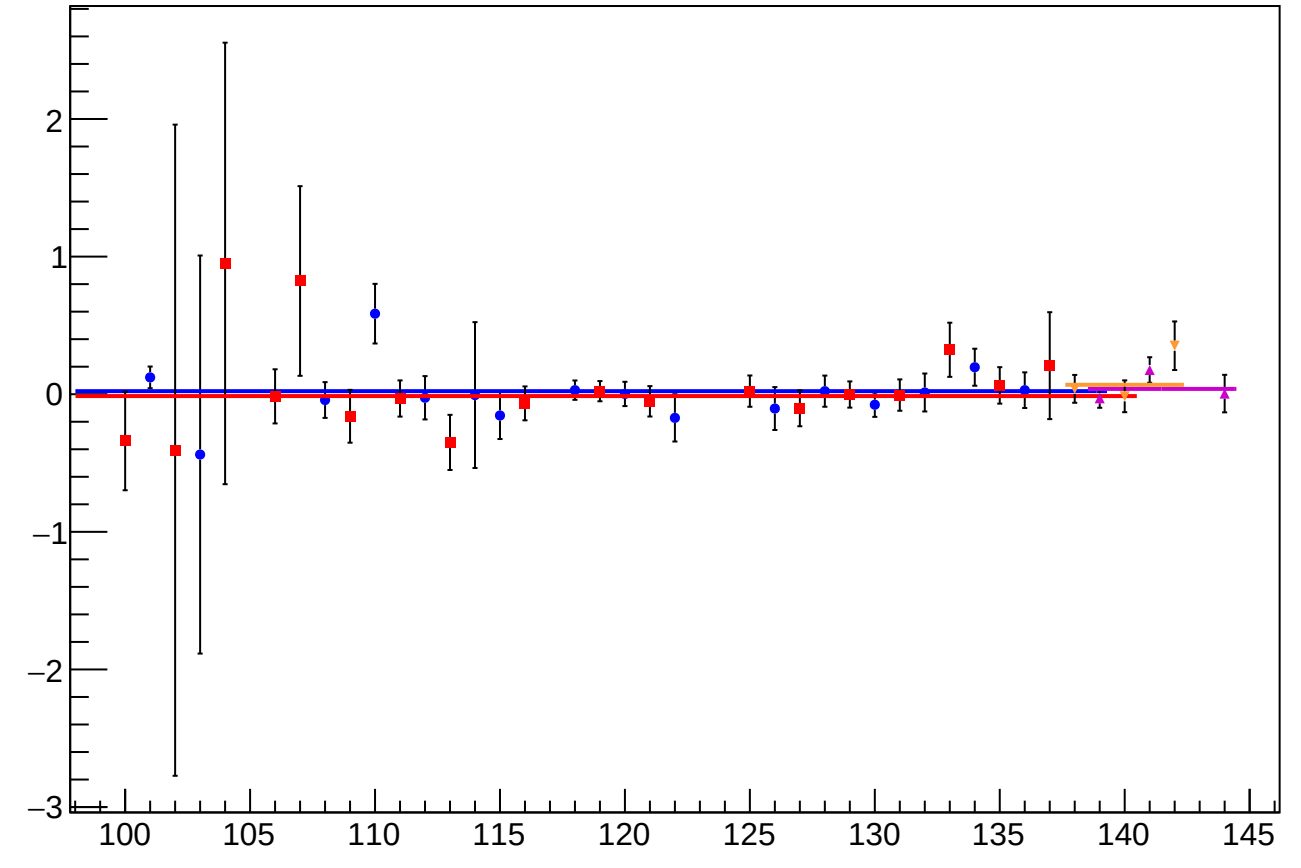
Left: 0.000+/-0.000 χ^2/NDF: 424557.1/6

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2447683.3/18

Out: 0.000+/-0.000 χ^2/NDF:2573189.2/22

All: 0.000+/-0.000 χ^2/NDF: 5071534.7/41



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.039+/-0.051 χ^2/NDF:3.2/2

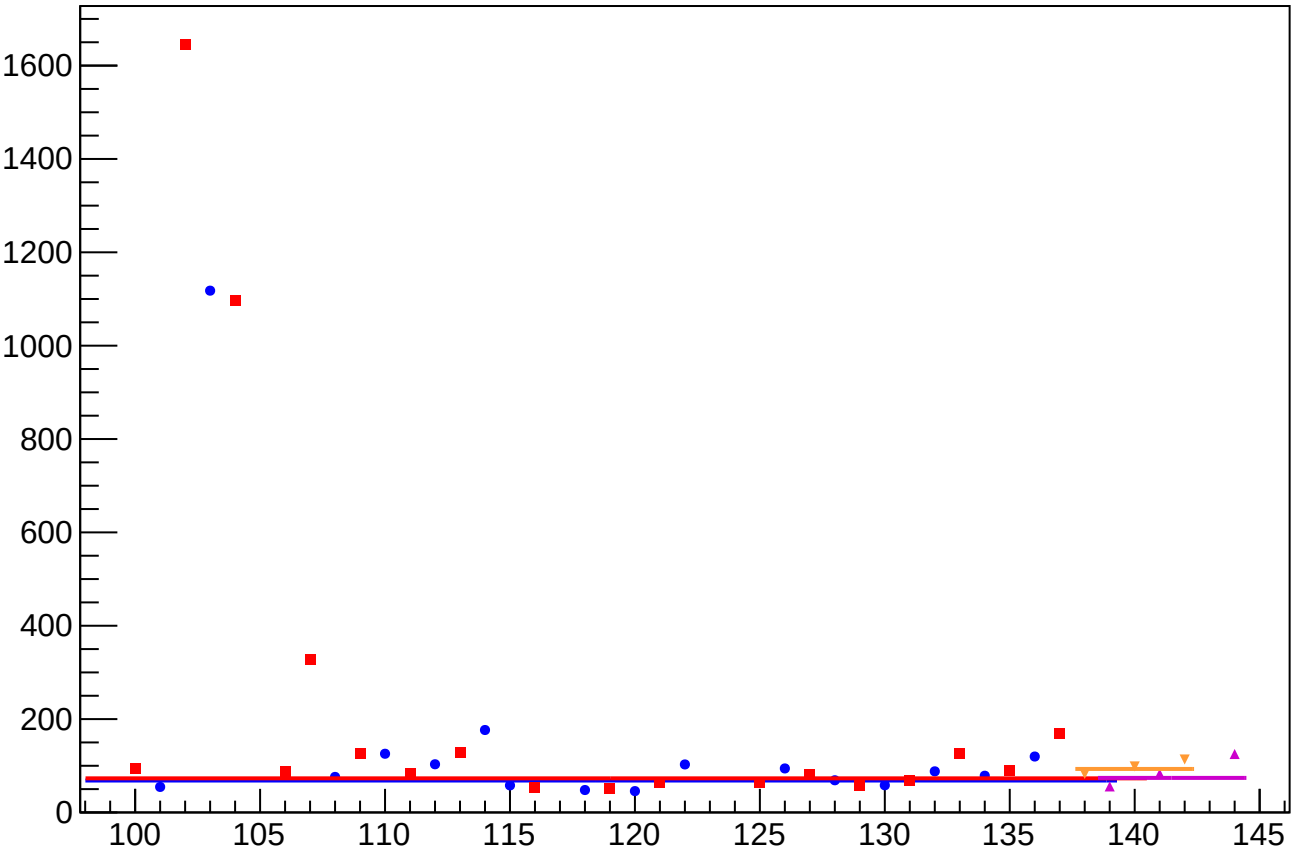
Left: 0.049+/-0.041 χ^2/NDF: 6.5/5

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.026+/-0.026 χ^2/NDF:18.1/18

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/39



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 74.025+/-0.036 χ^2/NDF:439450.9/2

Left: 80.754+/-0.029 χ^2/NDF: 590452.0/5

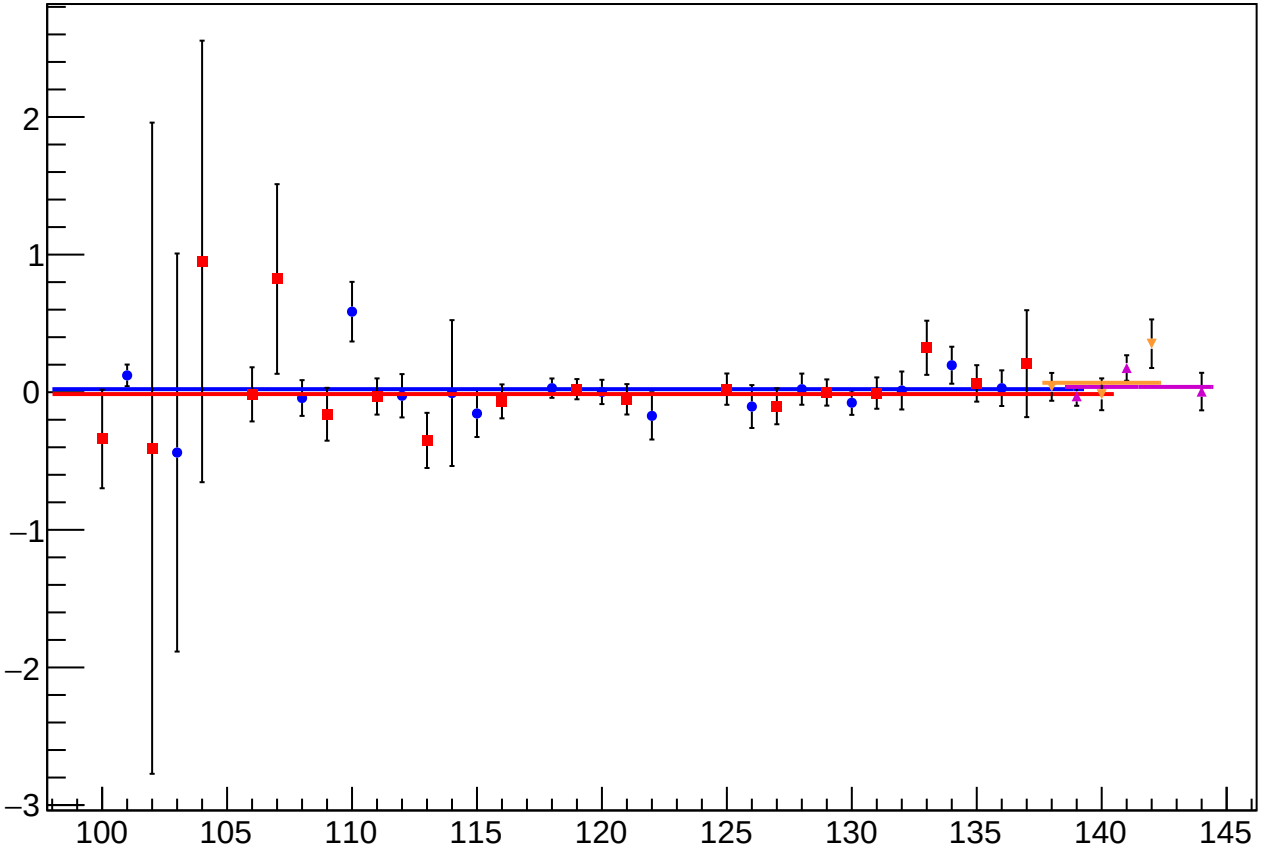
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 69.862+/-0.018 χ^2/NDF:2735177.6/18

Out: 76.828+/-0.021 χ^2/NDF:3101354.2/20

All: 72.829+/-0.014 χ^2/NDF: 5897647.5/39

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: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.039+/-0.051 χ^2/NDF:3.2/2

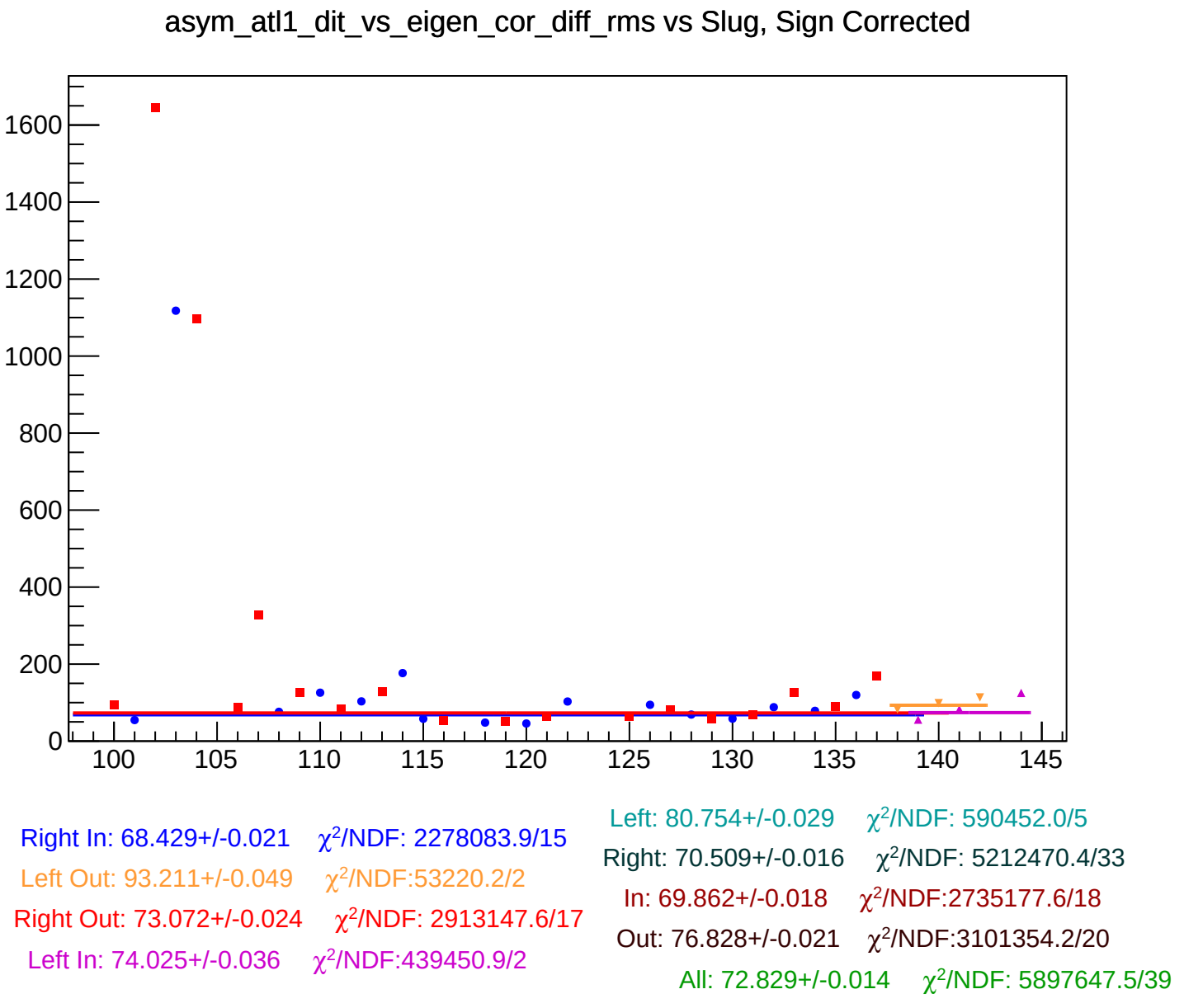
Left: 0.049+/-0.041 χ^2/NDF: 6.5/5

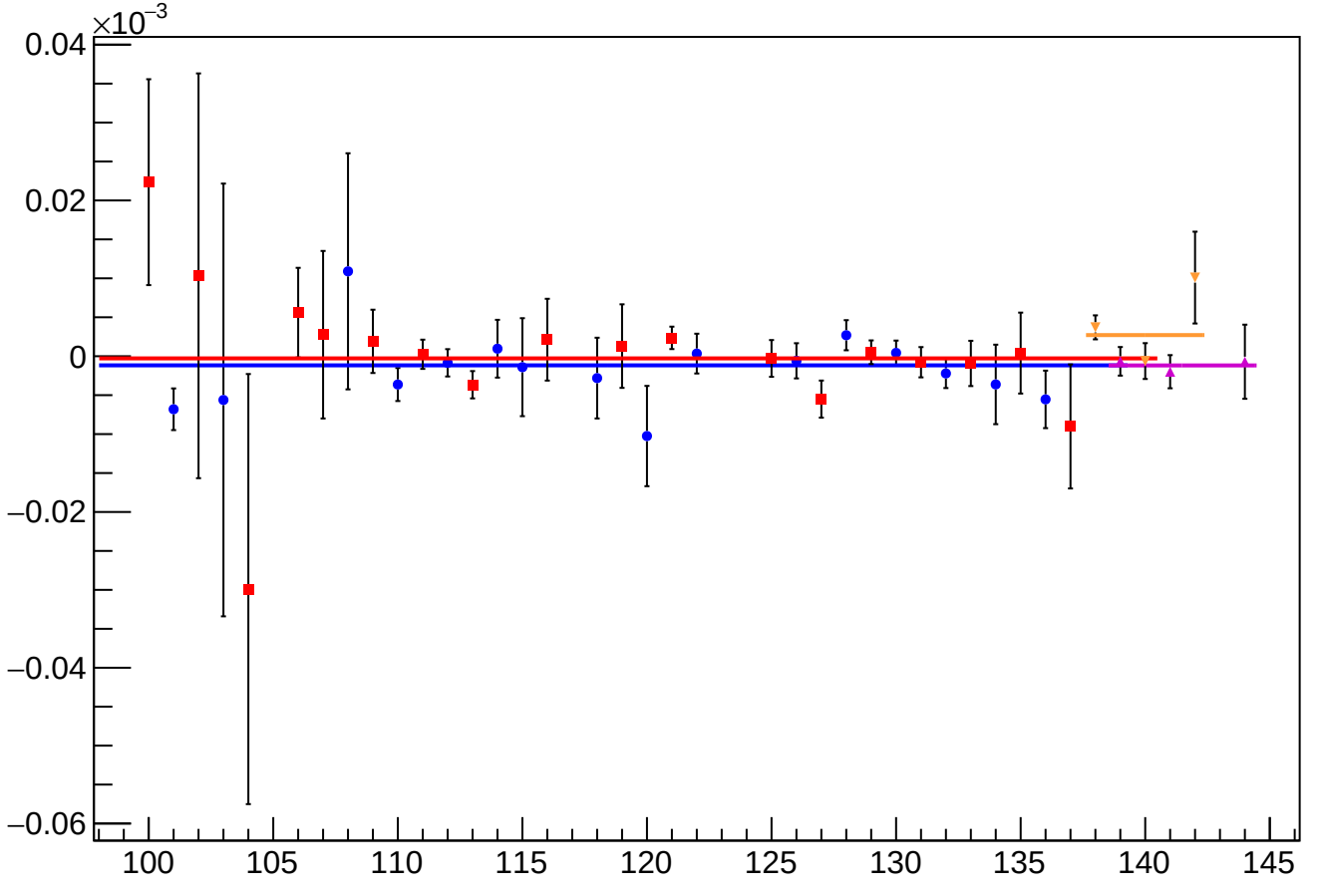
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.026+/-0.026 χ^2/NDF:18.1/18

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/39


asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
0
100
105
110
115
120
125
130
135
140
145
Right In: 68.429+/-0.021 χ²/NDF: 2278083.9/15
Left Out: 93.211+/-0.049 χ²/NDF:53220.2/2
Right Out: 73.072+/-0.024 χ²/NDF: 2913147.6/17
Left In: 74.025+/-0.036 χ²/NDF:439450.9/2
Left: 80.754+/-0.029 χ²/NDF: 590452.0/5
Right: 70.509+/-0.016 χ²/NDF: 5212470.4/33
In: 69.862+/-0.018 χ²/NDF:2735177.6/18
Out: 76.828+/-0.021 χ²/NDF:3101354.2/20
All: 72.829+/-0.014 χ²/NDF: 5897647.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

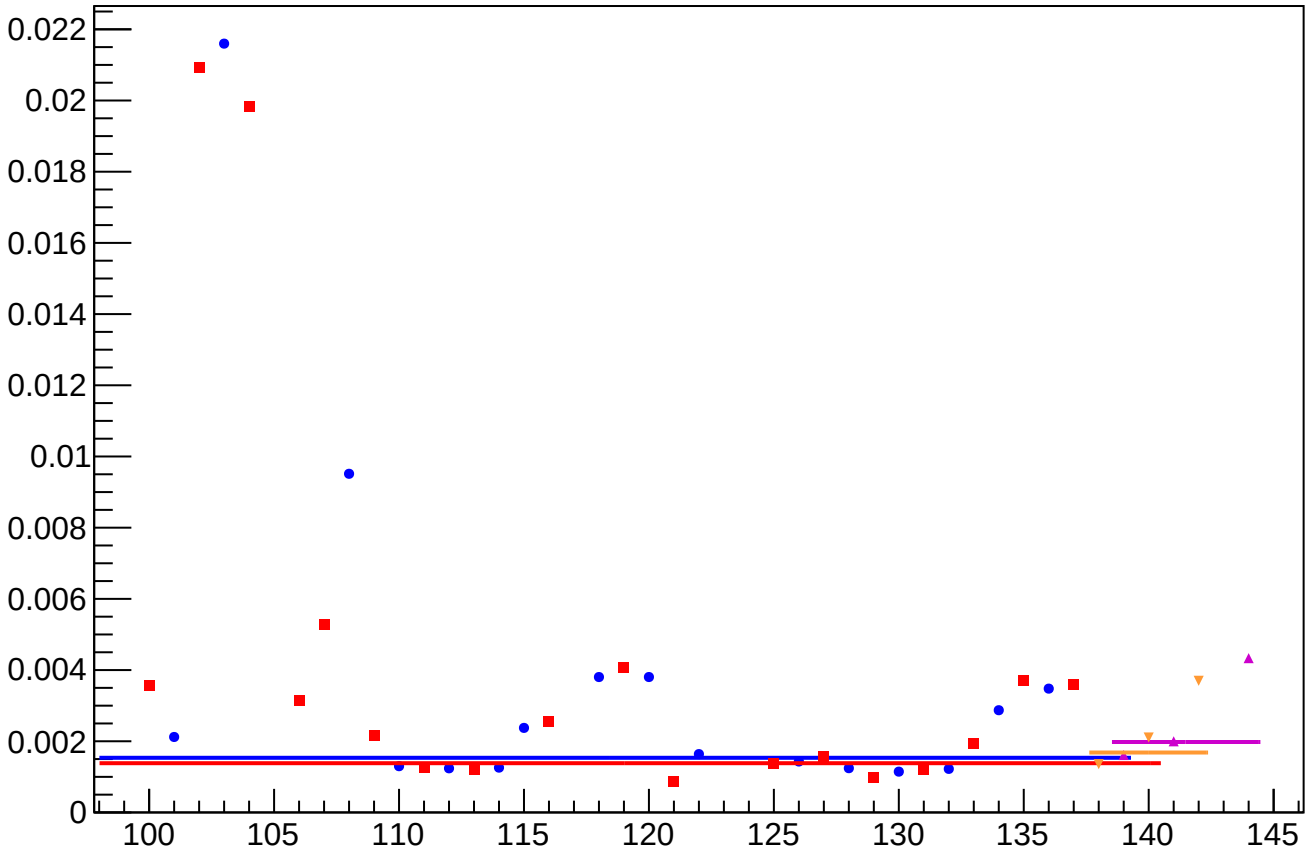
Left: 0.000+/-0.000 χ^2/NDF: 8.9/5

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:16.5/18

Out: 0.000+/-0.000 χ^2/NDF:28.2/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/39



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:391082.6/2

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:569717.2/2

Left: 0.002+/-0.000 χ^2/NDF: 1013017.0/5

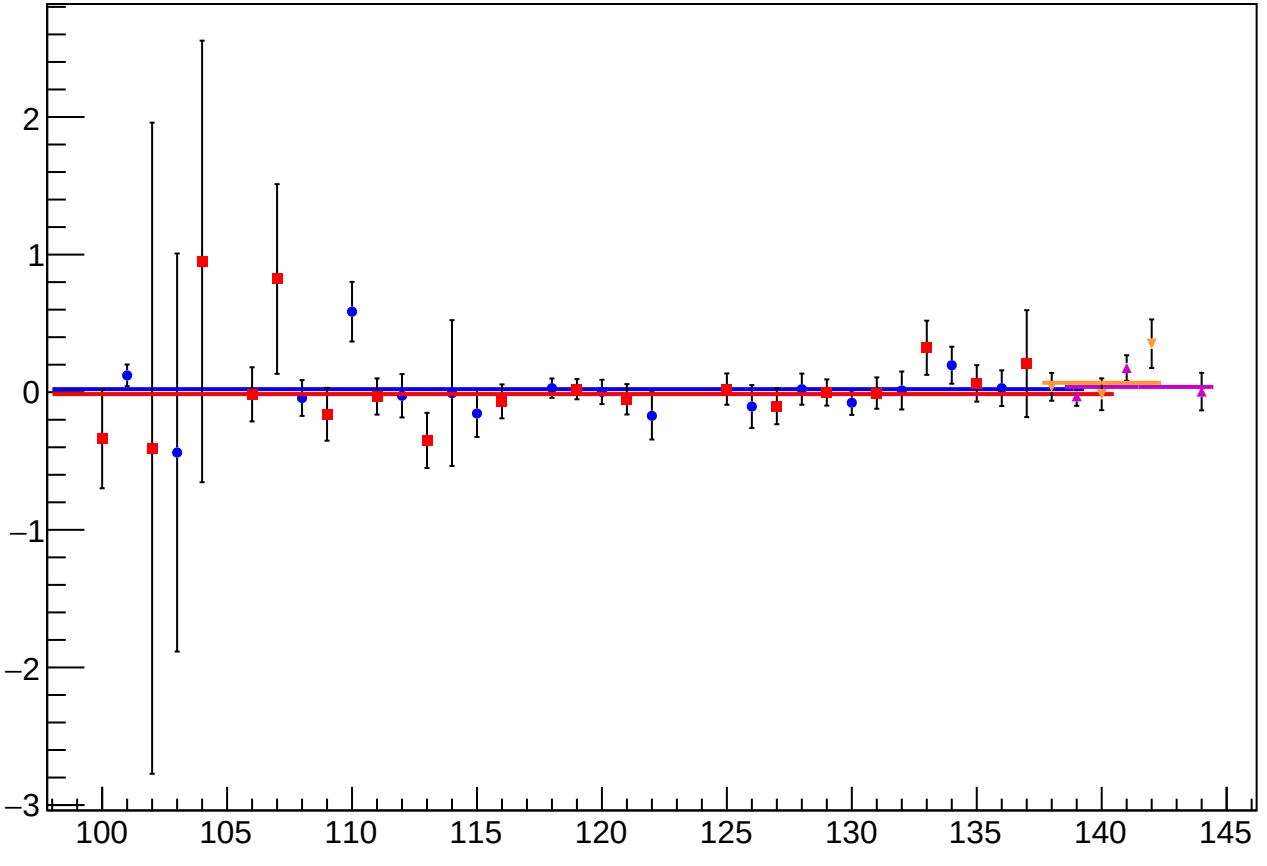
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4120693.5/18

Out: 0.001+/-0.000 χ^2/NDF:4751704.0/20

All: 0.002+/-0.000 χ^2/NDF: 8967593.7/39

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: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.039+/-0.051 χ^2/NDF:3.2/2

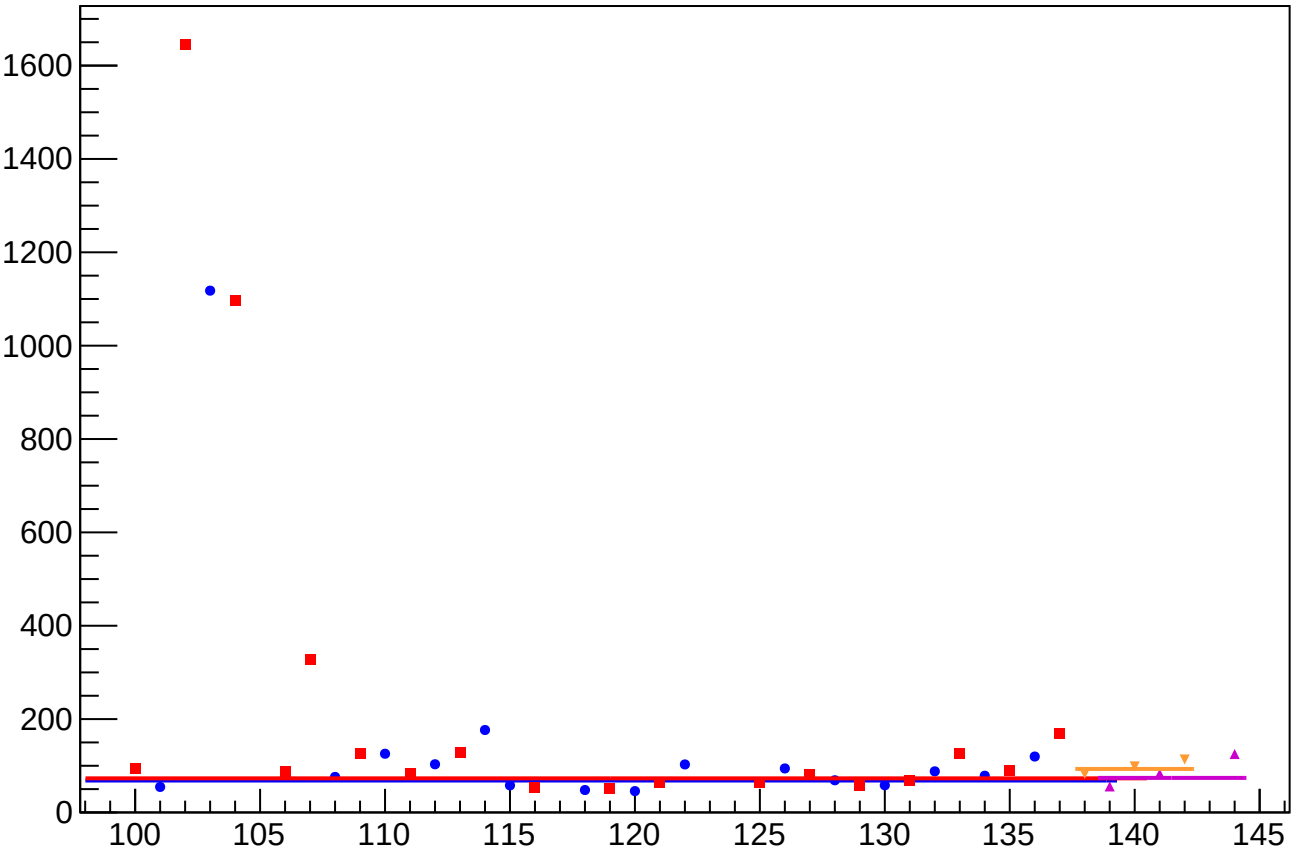
Left: 0.049+/-0.041 χ^2/NDF: 6.5/5

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.026+/-0.026 χ^2/NDF:18.1/18

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/39



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.025+/-0.036 χ^2/NDF:439449.2/2

Left: 80.754+/-0.029 χ^2/NDF: 590450.1/5

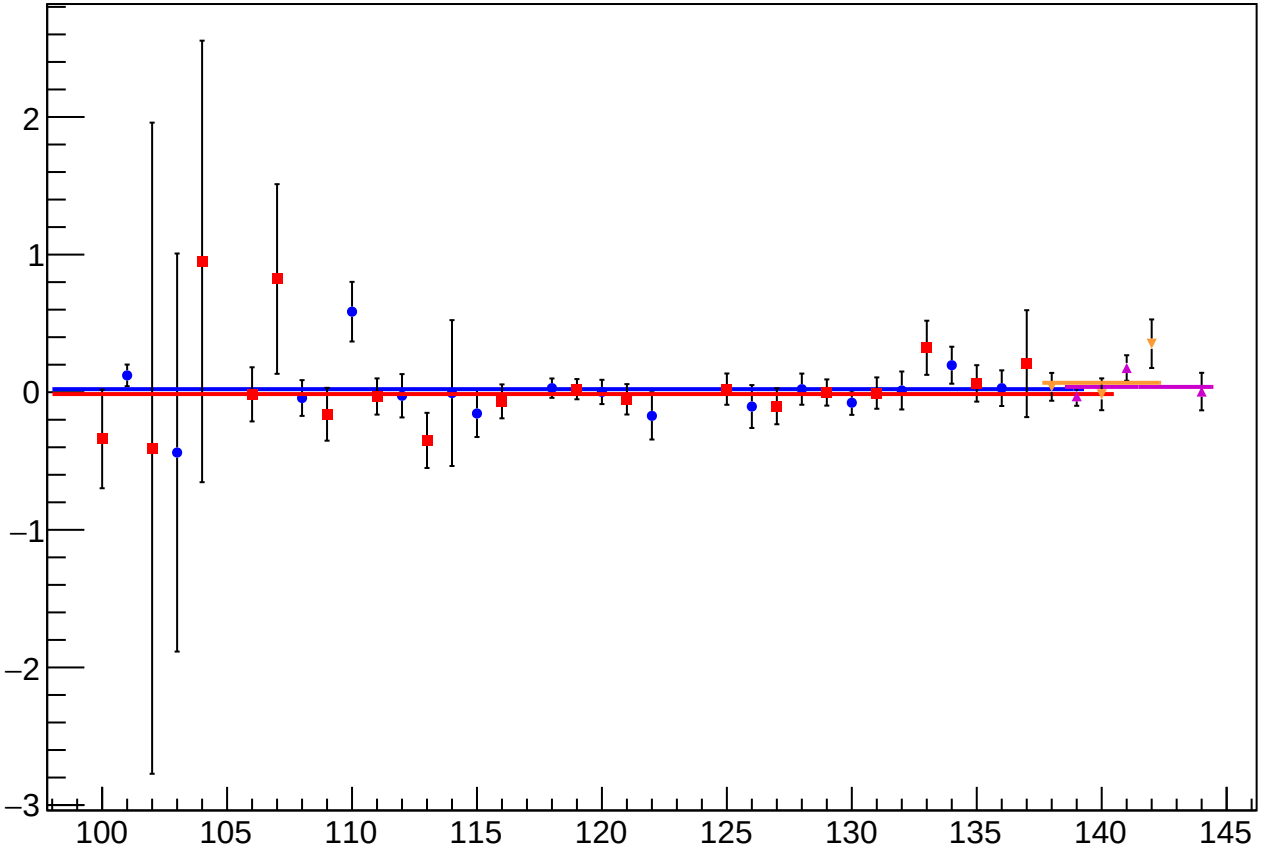
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 69.862+/-0.018 χ^2/NDF:2735266.3/18

Out: 76.828+/-0.021 χ^2/NDF:3101373.9/20

All: 72.828+/-0.014 χ^2/NDF: 5897761.6/39

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: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.039+/-0.051 χ^2/NDF:3.2/2

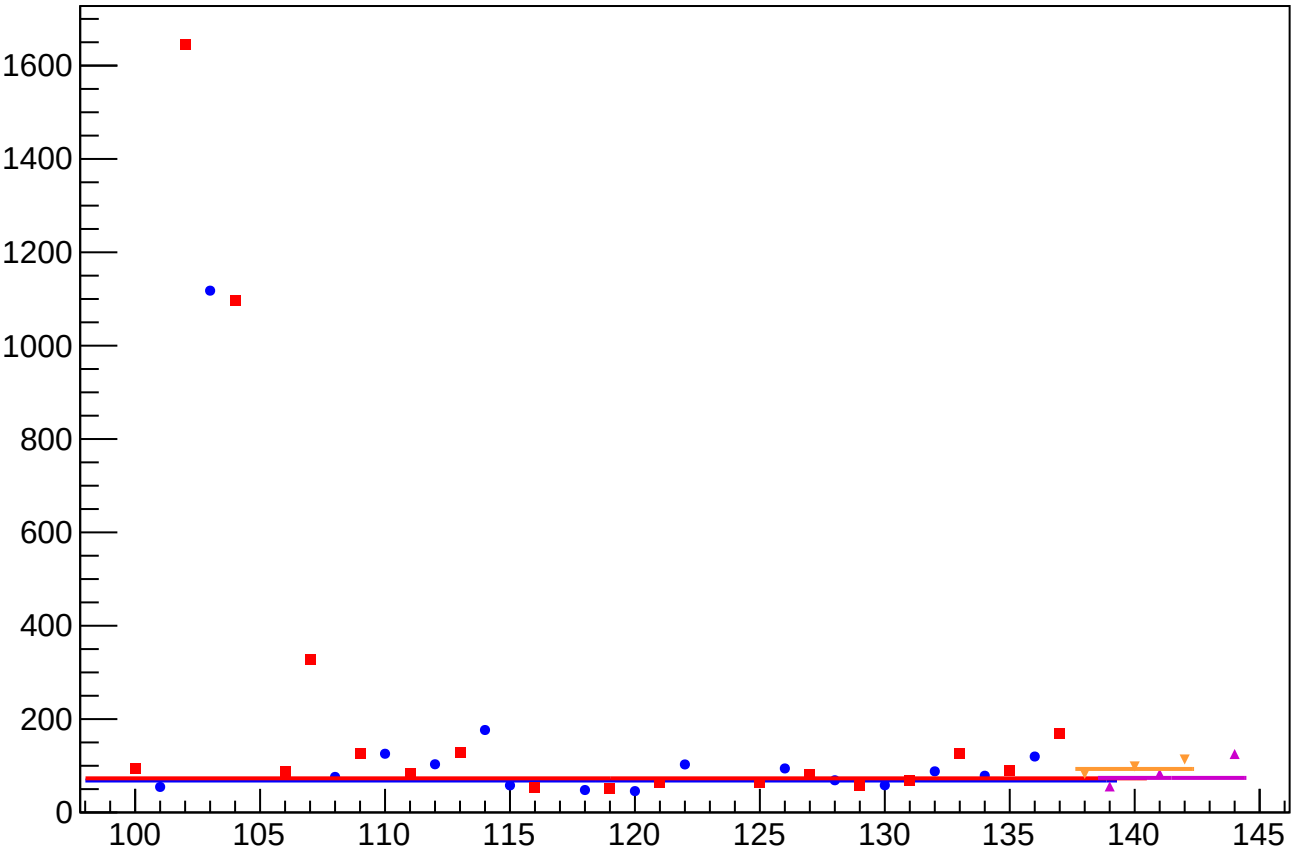
Left: 0.049+/-0.041 χ^2/NDF: 6.5/5

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.026+/-0.026 χ^2/NDF:18.1/18

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/39



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.025+/-0.036 χ^2/NDF:439449.2/2

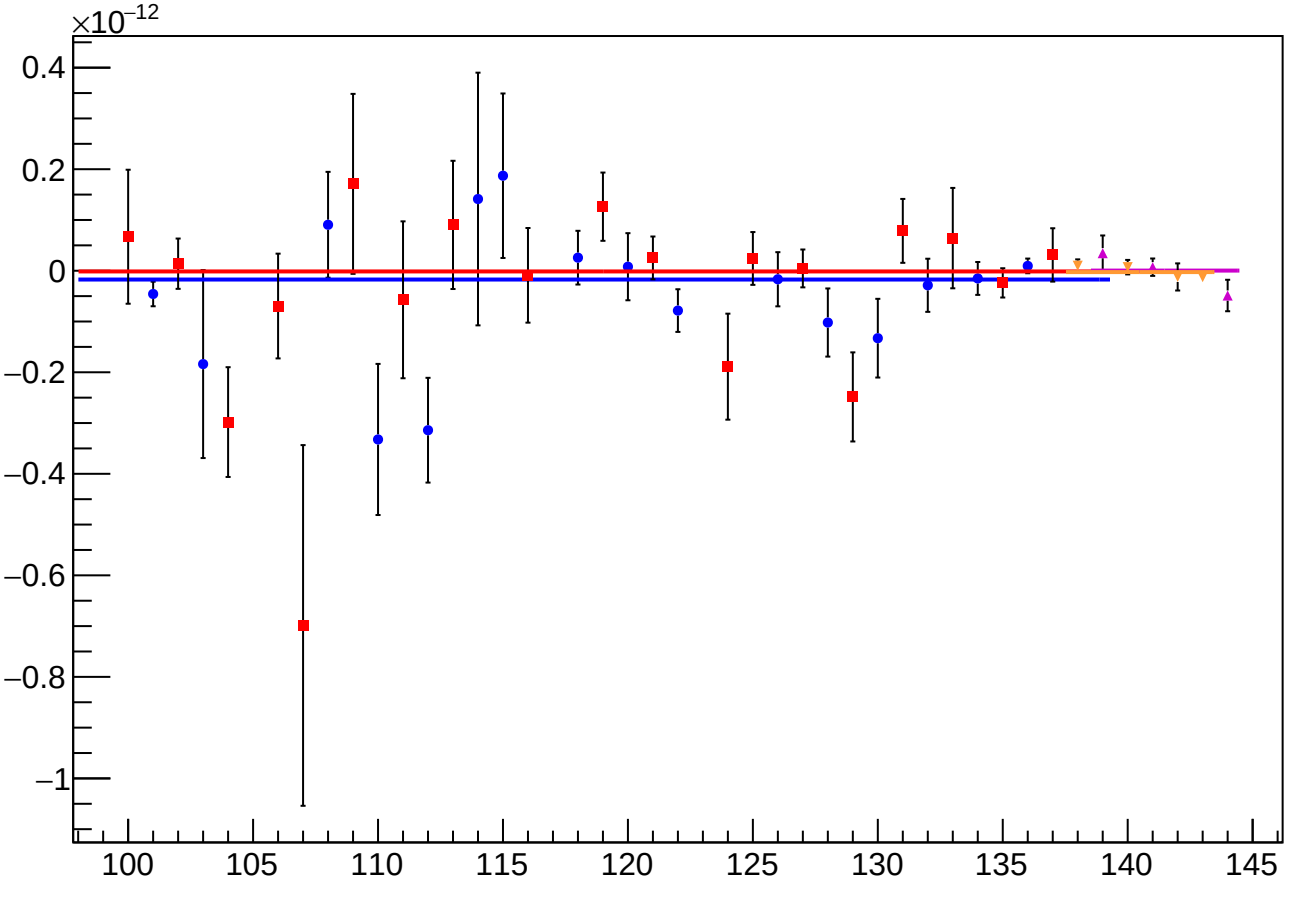
Left: 80.754+/-0.029 χ^2/NDF: 590450.1/5

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 69.862+/-0.018 χ^2/NDF:2735266.3/18

Out: 76.828+/-0.021 χ^2/NDF:3101373.9/20

All: 72.828+/-0.014 χ^2/NDF: 5897761.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/2

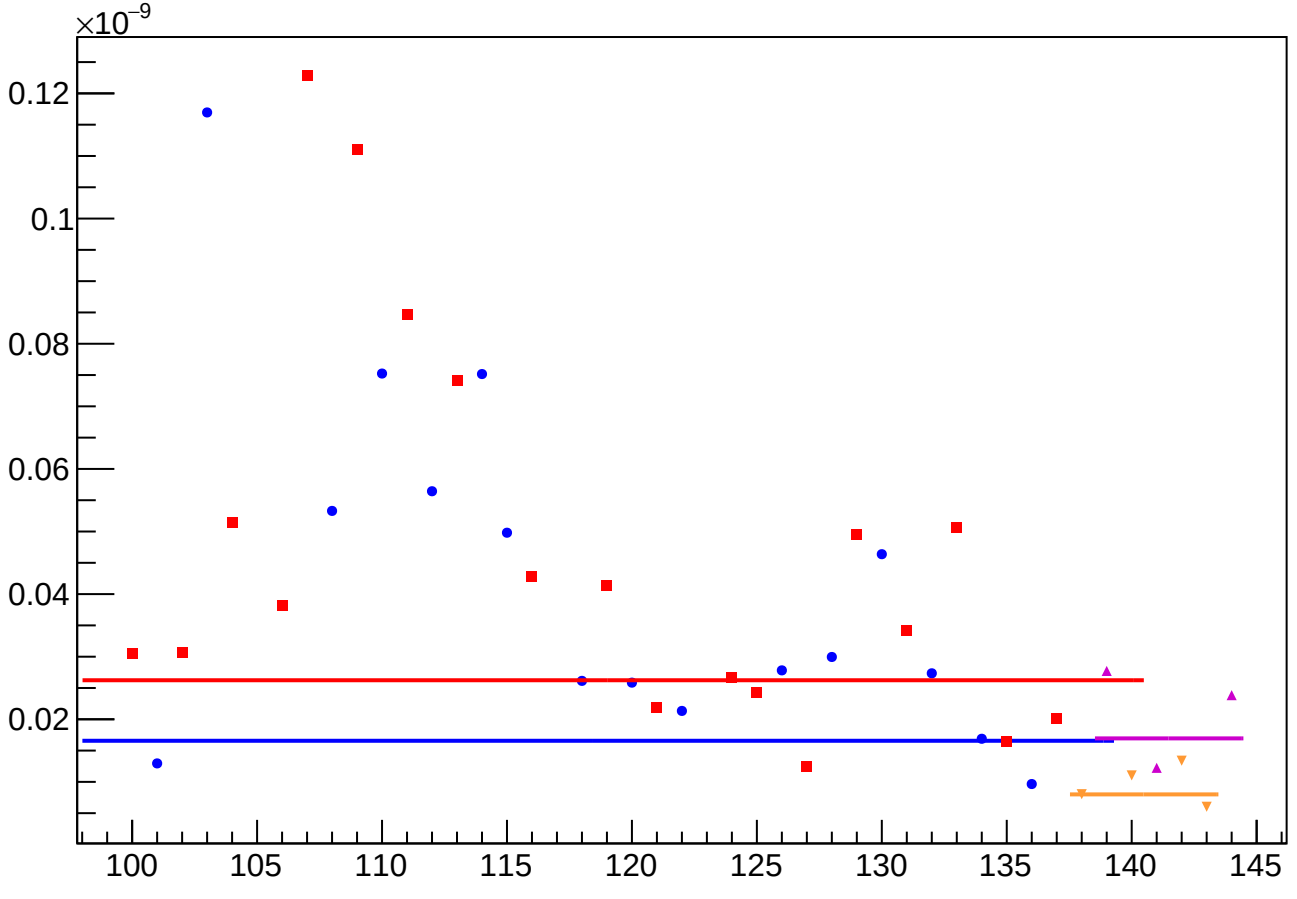
Left: -0.000+/-0.000 χ^2/NDF: 6.4/6

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:33.0/18

Out: -0.000+/-0.000 χ^2/NDF:35.0/22

All: -0.000+/-0.000 χ^2/NDF: 68.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:260963.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:441689.9/2

Left: 0.000+/-0.000 χ^2/NDF: 1396605.0/6

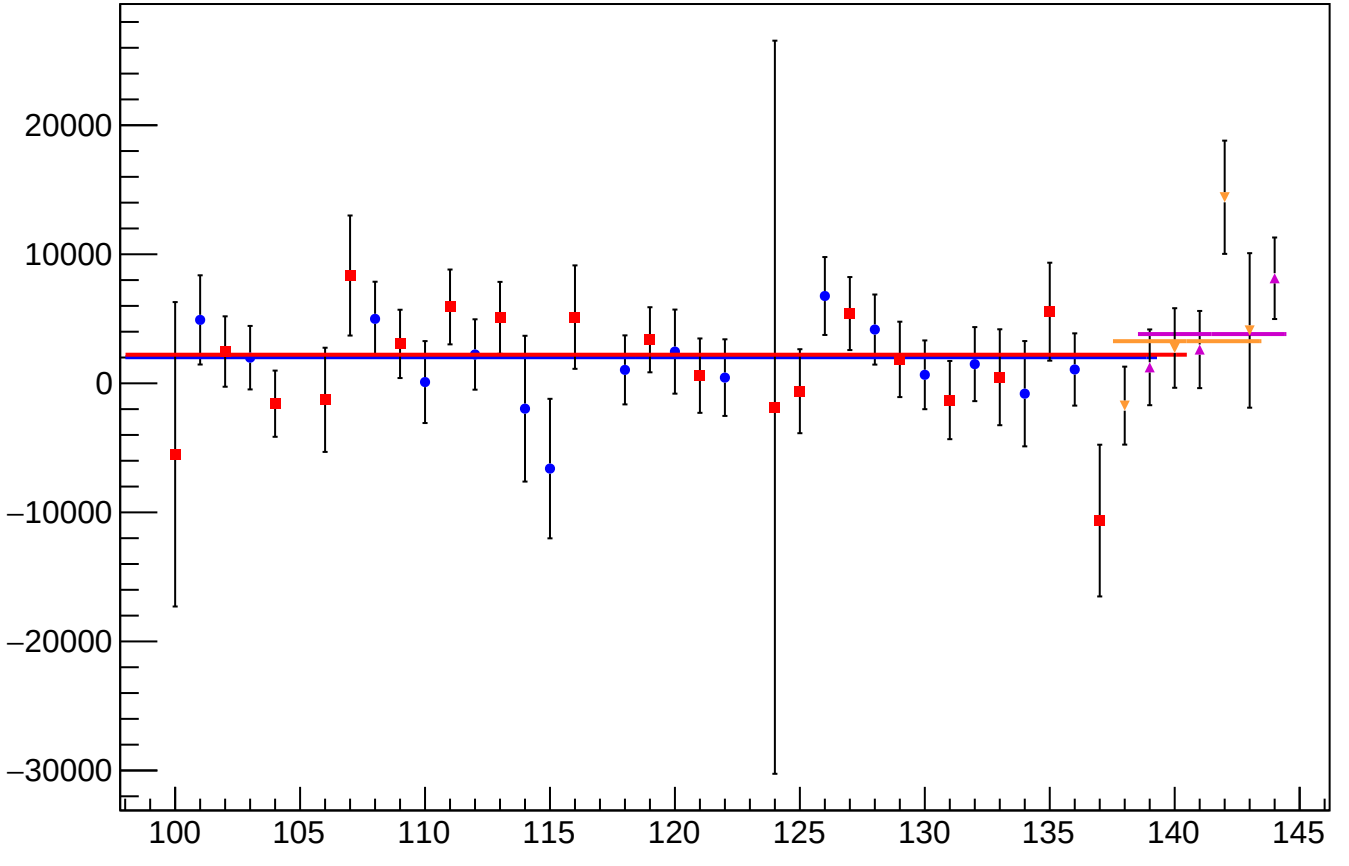
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3266118.8/18

Out: 0.000+/-0.000 χ^2/NDF:5325744.8/22

All: 0.000+/-0.000 χ^2/NDF: 9223286.7/41

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.348+/-1842.377 χ^2/NDF:9.2/3

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3817.483+/-1745.710 χ^2/NDF:2.8/2

Left: 3556.280+/-1267.200 χ^2/NDF: 12.1/6

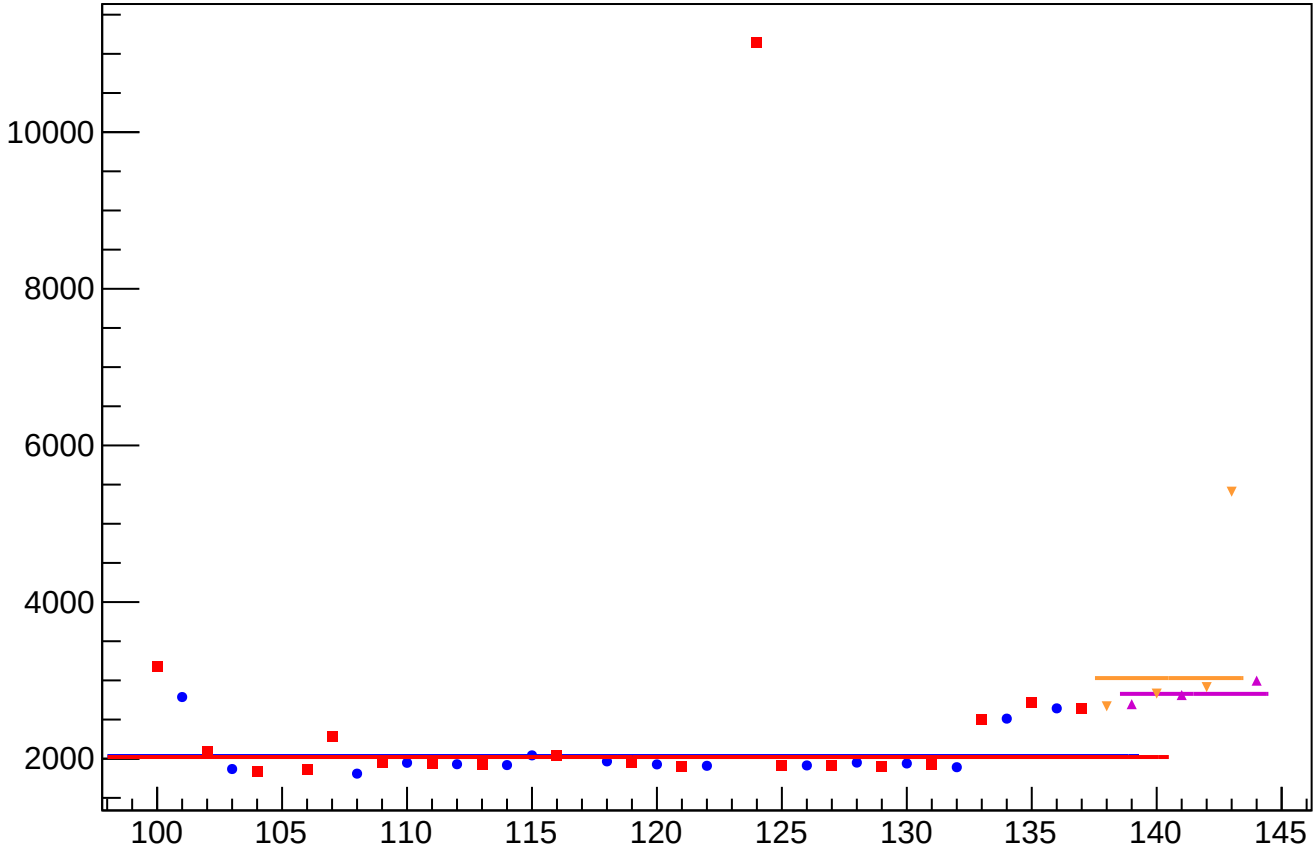
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2311.420+/-700.181 χ^2/NDF:13.3/18

Out: 2368.352+/-699.517 χ^2/NDF:27.7/22

All: 2339.913+/-494.868 χ^2/NDF: 41.0/41

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

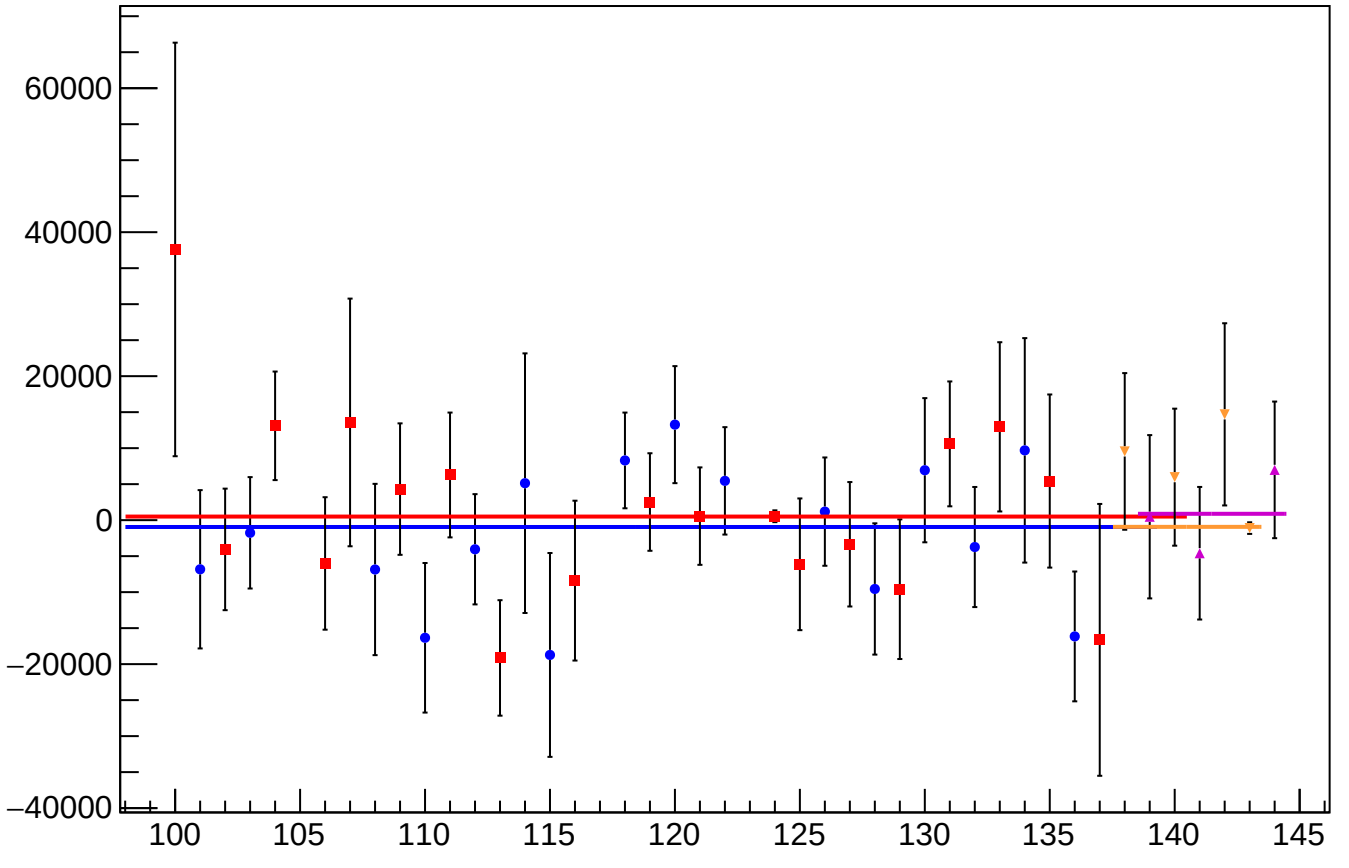
Left: 2923.355+/-0.896 χ^2/NDF: 376485.6/6

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2161.874+/-0.495 χ^2/NDF:619810.9/18

Out: 2166.850+/-0.495 χ^2/NDF:1256778.0/22

All: 2164.364+/-0.350 χ^2/NDF: 1876639.5/41



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -932.367+/-800.468 χ^2/NDF:3.0/3

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 881.472+/-5709.734 χ^2/NDF:0.8/2

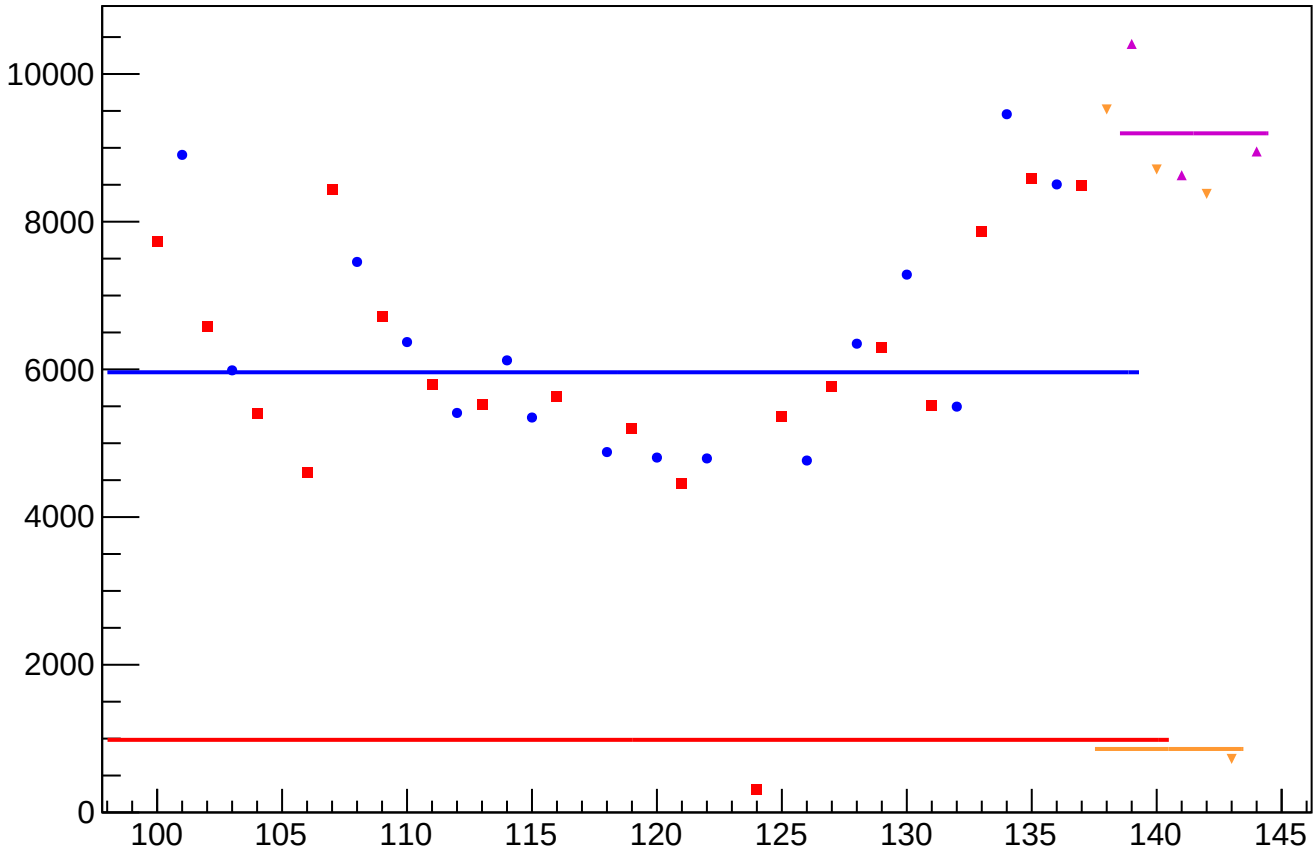
Left: -897.404+/-792.716 χ^2/NDF: 3.9/6

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -698.853+/-2116.248 χ^2/NDF:16.2/18

Out: -188.194+/-554.288 χ^2/NDF:23.1/22

All: -220.977+/-536.201 χ^2/NDF: 39.4/41



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 859.683+/-0.566 χ^2/NDF:3389059.0/3

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9196.592+/-4.037 χ^2/NDF:31722.7/2

Left: 1020.380+/-0.561 χ^2/NDF: 7602507.0/6

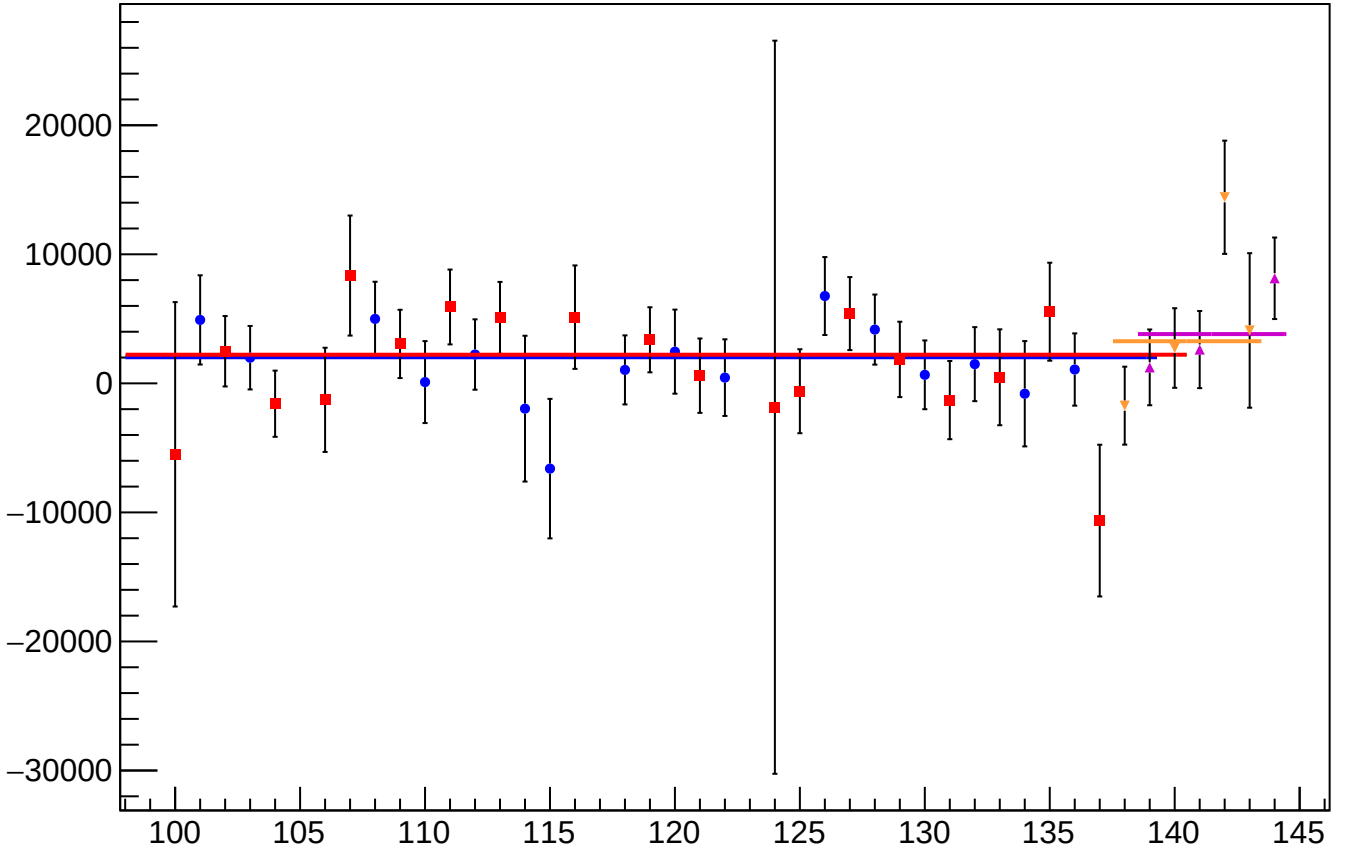
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6405.312+/-1.496 χ^2/NDF:1275082.5/18

Out: 924.035+/-0.392 χ^2/NDF:14830582.5/22

All: 1275.922+/-0.379 χ^2/NDF: 28661461.8/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.723+/-1842.377 χ^2/NDF:9.2/3

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3817.608+/-1745.710 χ^2/NDF:2.8/2

Left: 3556.523+/-1267.200 χ^2/NDF: 12.1/6

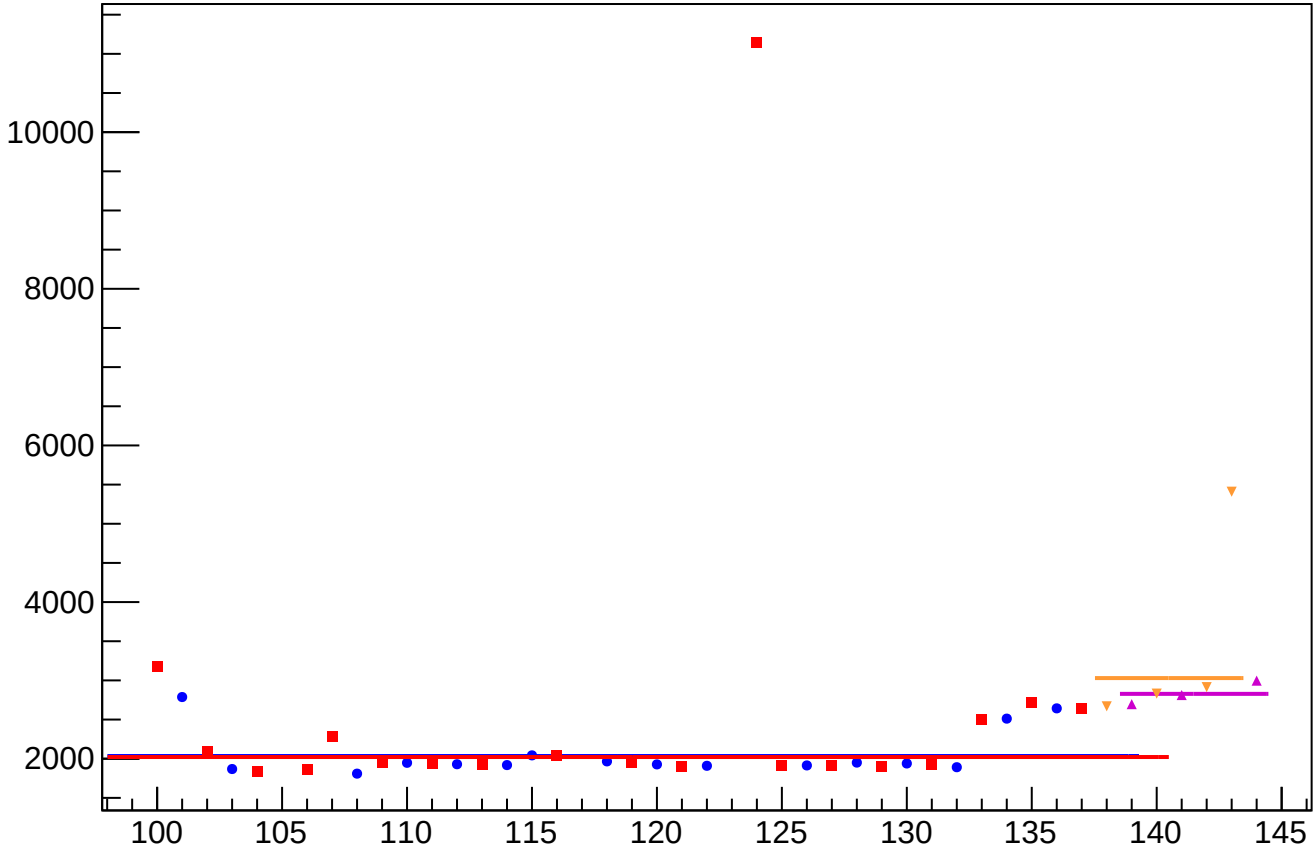
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2311.546+/-700.181 χ^2/NDF:13.3/18

Out: 2369.982+/-699.523 χ^2/NDF:27.7/22

All: 2340.791+/-494.870 χ^2/NDF: 41.0/41

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

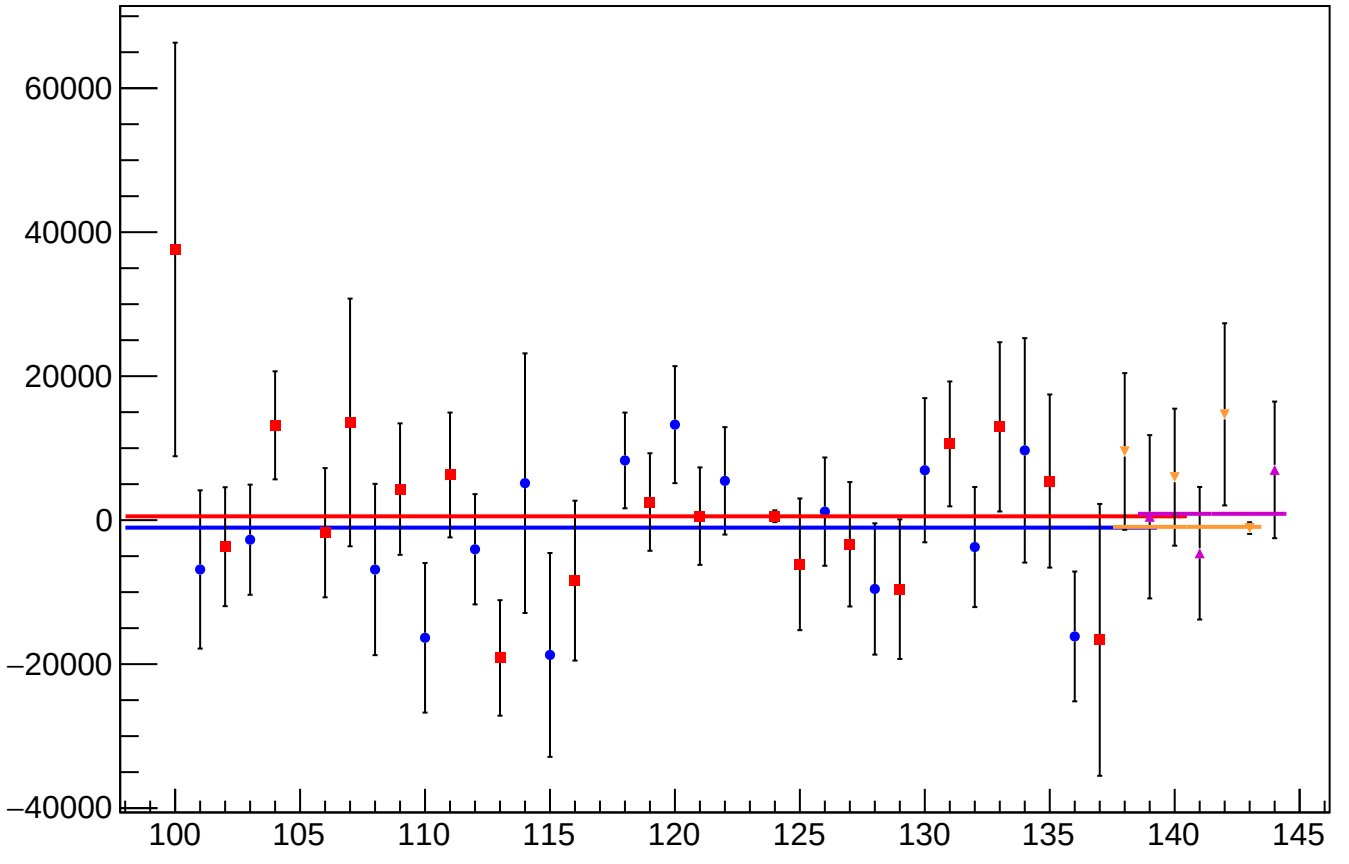
Left: 2923.355+/-0.896 χ^2/NDF: 376485.6/6

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2161.873+/-0.495 χ^2/NDF:619810.9/18

Out: 2166.871+/-0.495 χ^2/NDF:1256766.4/22

All: 2164.375+/-0.350 χ^2/NDF: 1876628.2/41



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -932.134+/-800.392 χ^2/NDF:3.0/3

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 881.489+/-5709.730 χ^2/NDF:0.8/2

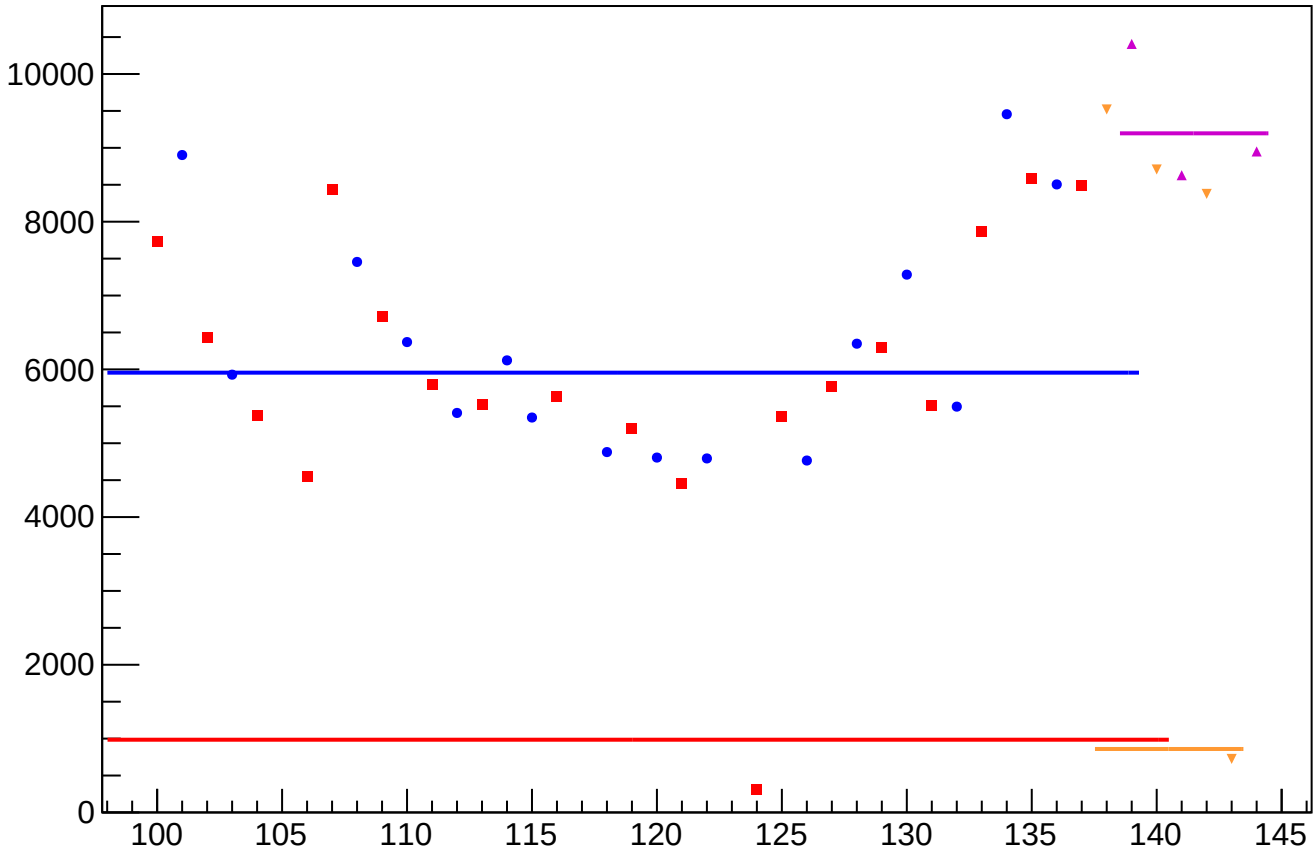
Left: -897.182+/-792.642 χ^2/NDF: 3.9/6

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -774.733+/-2114.364 χ^2/NDF:16.2/18

Out: -170.488+/-554.136 χ^2/NDF:22.8/22

All: -209.324+/-536.032 χ^2/NDF: 39.1/41



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 859.590+/-0.566 χ^2/NDF:3389127.3/3

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9196.585+/-4.037 χ^2/NDF:31722.7/2

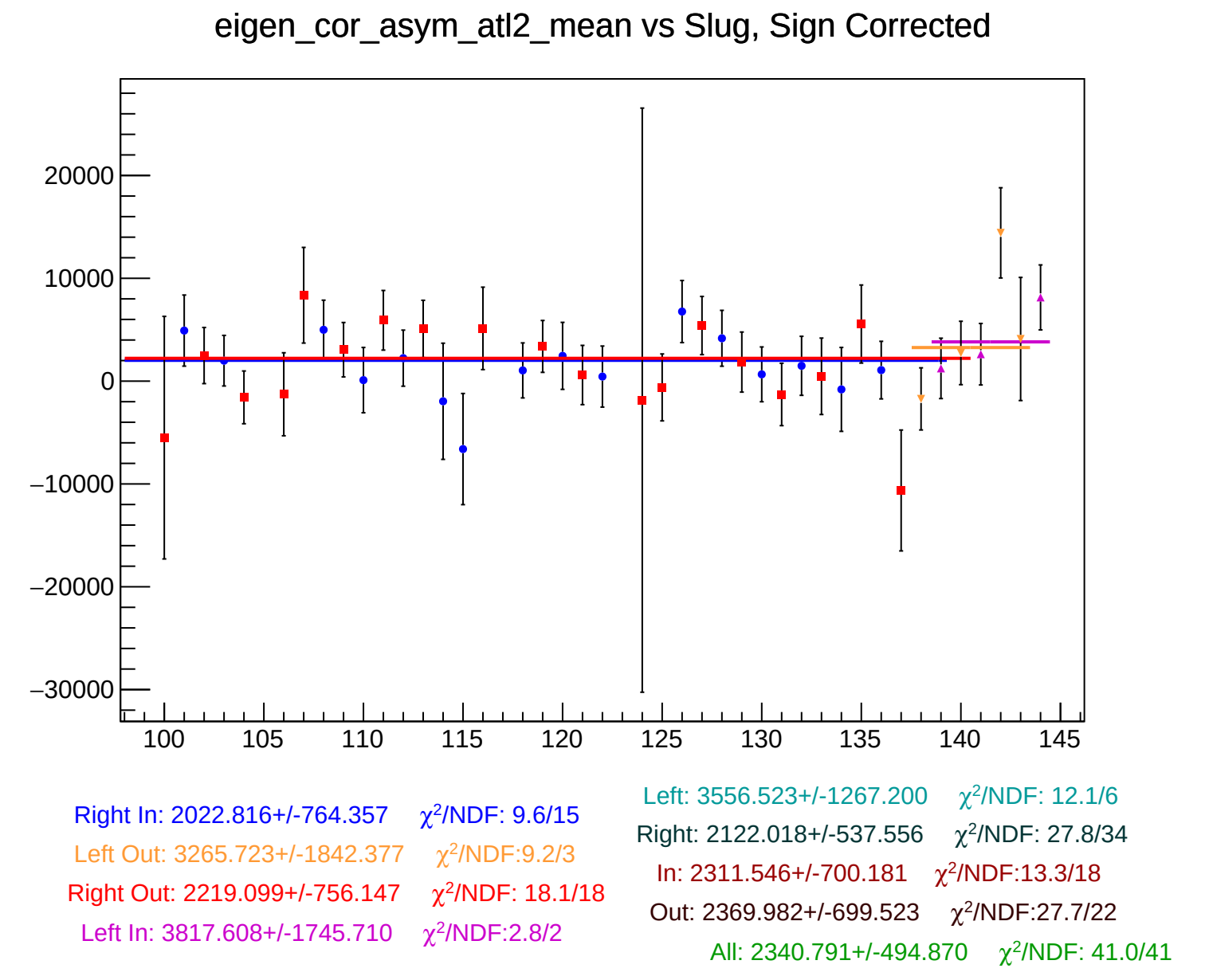
Left: 1020.259+/-0.560 χ^2/NDF: 7602682.9/6

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

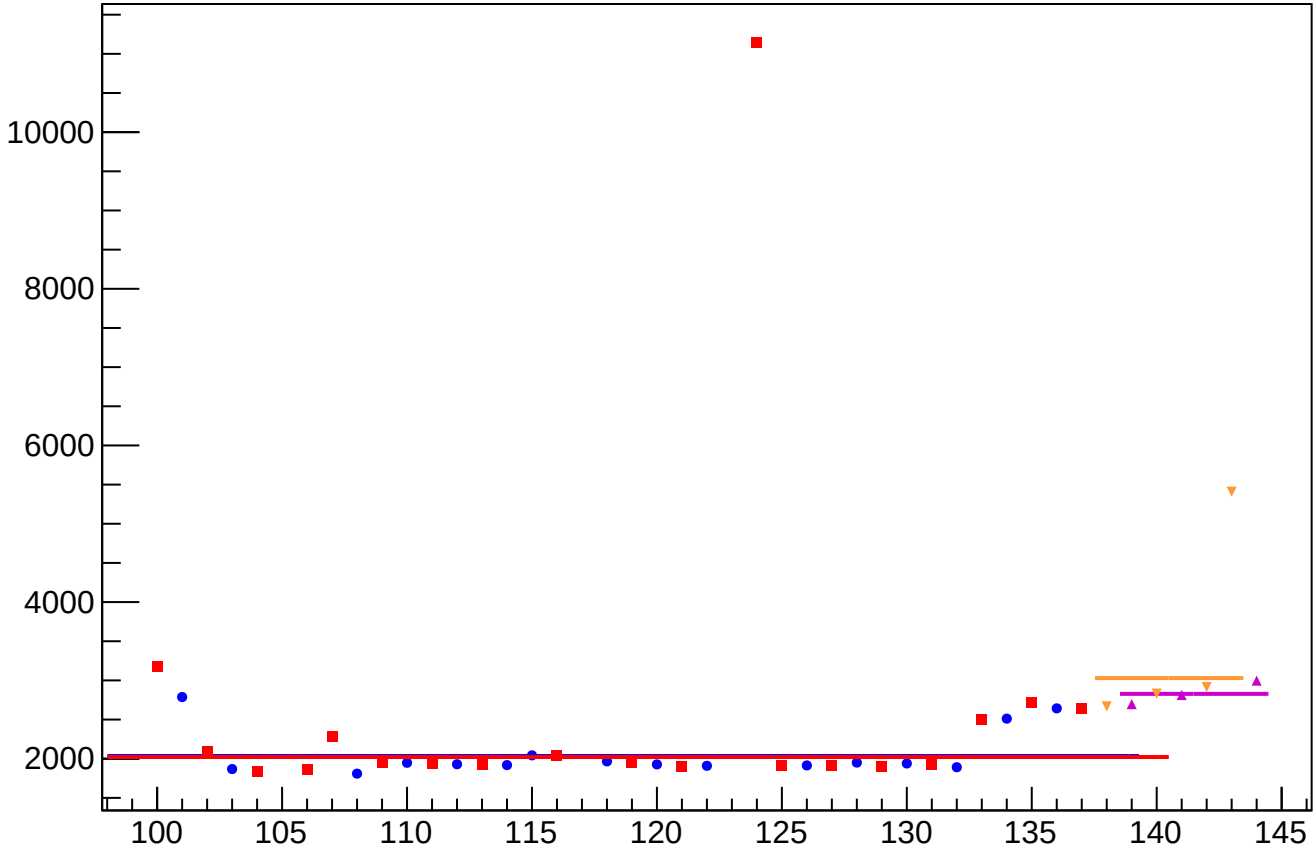
In: 6400.065+/-1.495 χ^2/NDF:1276882.0/18

Out: 924.911+/-0.392 χ^2/NDF:14827554.5/22

All: 1276.811+/-0.379 χ^2/NDF: 28653543.6/4


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 2022.816+/-764.357 χ²/NDF: 9.6/15
Left Out: 3265.723+/-1842.377 χ²/NDF:9.2/3
Right Out: 2219.099+/-756.147 χ²/NDF: 18.1/18
Left In: 3817.608+/-1745.710 χ²/NDF:2.8/2
Left: 3556.523+/-1267.200 χ²/NDF: 12.1/6
Right: 2122.018+/-537.556 χ²/NDF: 27.8/34
In: 2311.546+/-700.181 χ²/NDF:13.3/18
Out: 2369.982+/-699.523 χ²/NDF:27.7/22
All: 2340.791+/-494.870 χ²/NDF: 41.0/41

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2828.056+/-1.234 χ^2/NDF:9759.8/2

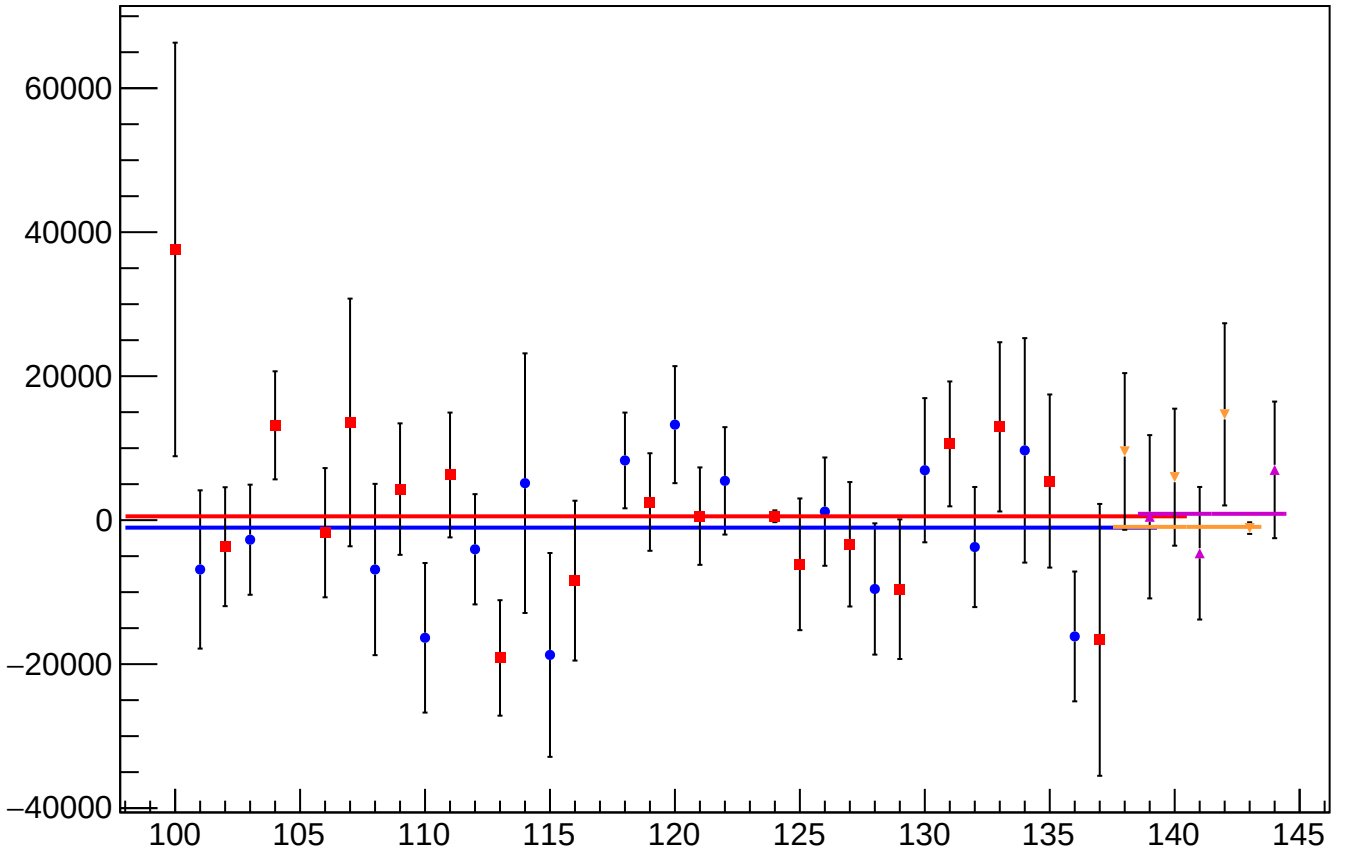
Left: 2923.355+/-0.896 χ^2/NDF: 376485.6/6

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2161.873+/-0.495 χ^2/NDF:619810.9/18

Out: 2166.871+/-0.495 χ^2/NDF:1256766.4/22

All: 2164.375+/-0.350 χ^2/NDF: 1876628.2/41



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -932.134+/-800.392 χ^2/NDF:3.0/3

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 881.489+/-5709.730 χ^2/NDF:0.8/2

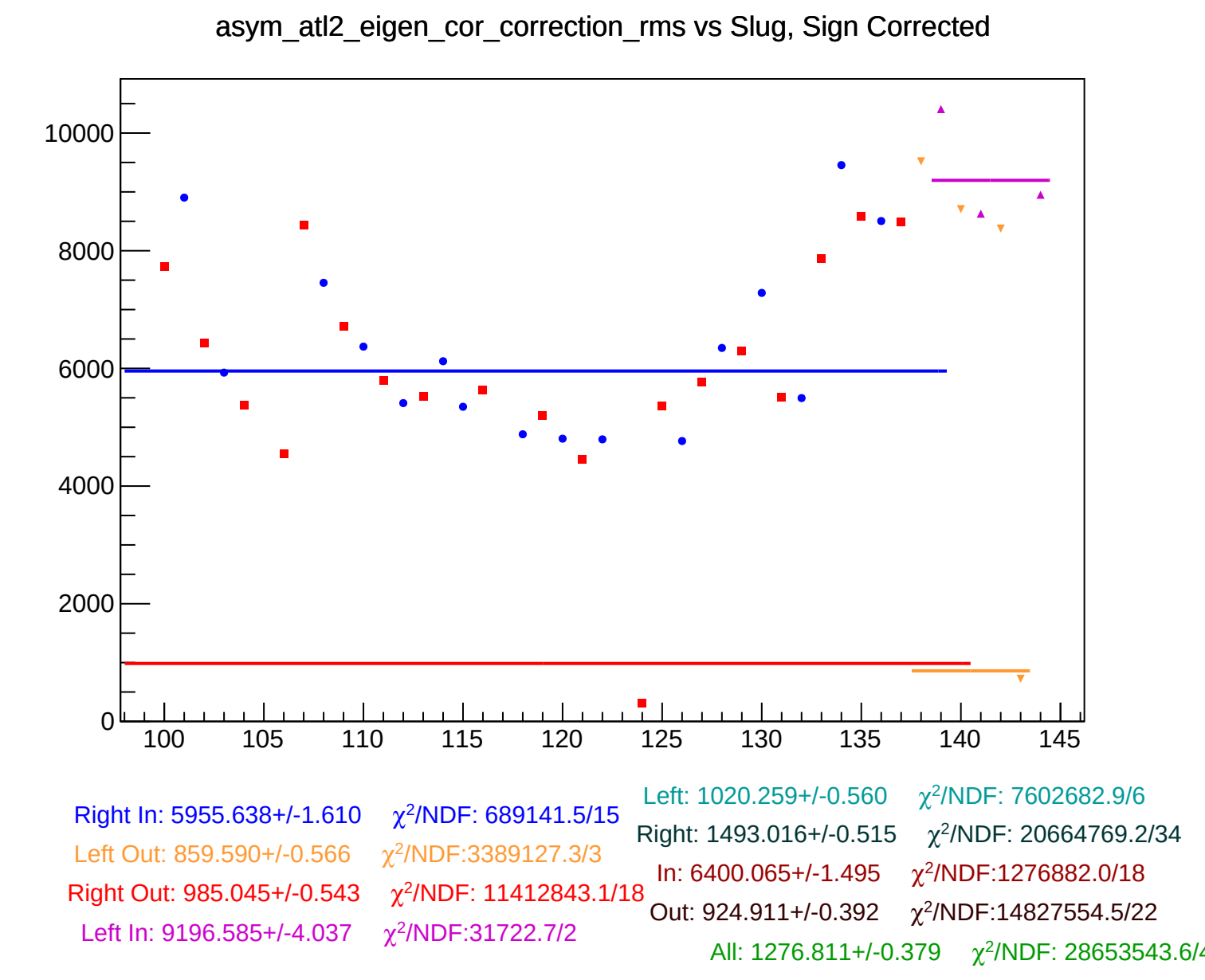
Left: -897.182+/-792.642 χ^2/NDF: 3.9/6

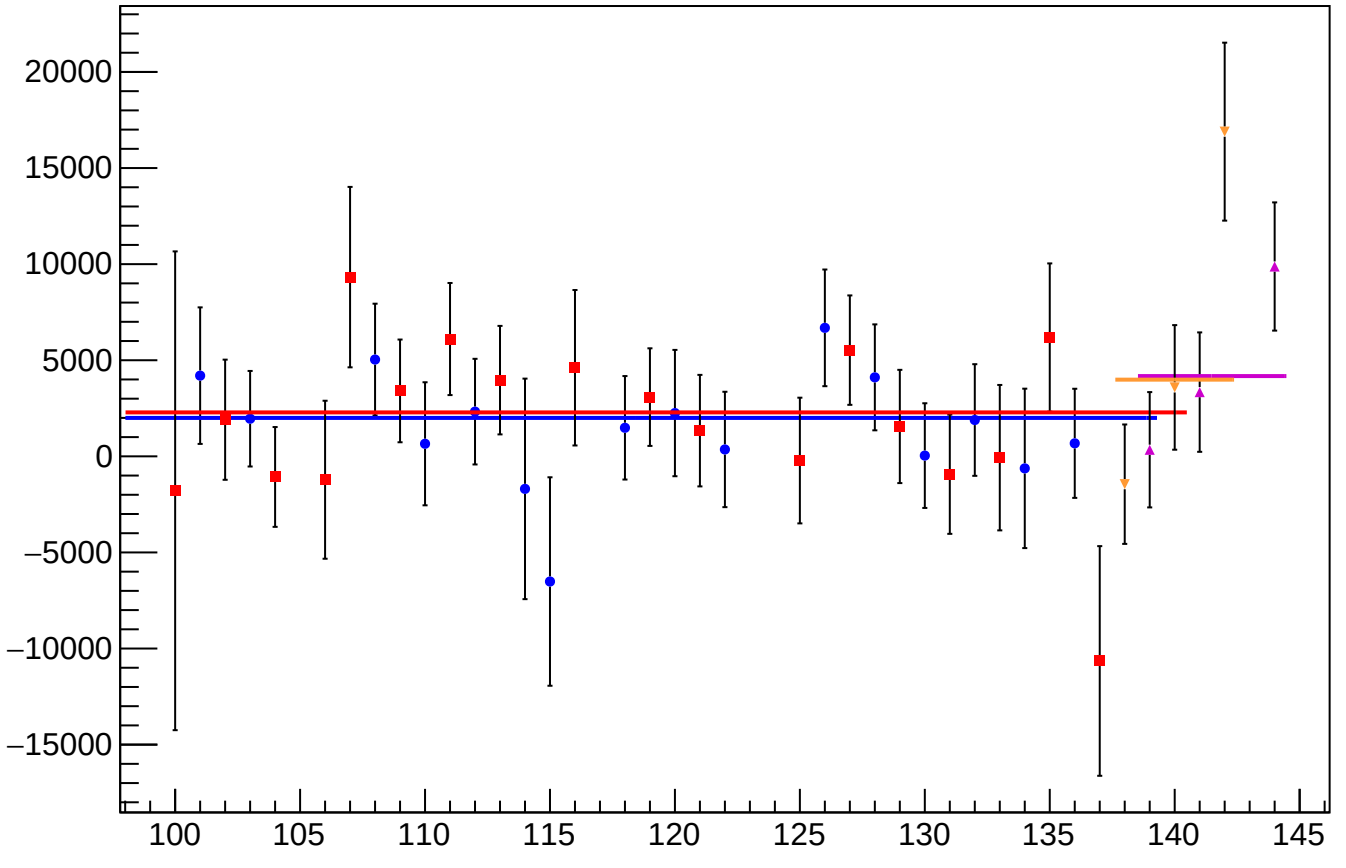
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -774.733+/-2114.364 χ^2/NDF:16.2/18

Out: -170.488+/-554.136 χ^2/NDF:22.8/22

All: -209.324+/-536.032 χ^2/NDF: 39.1/41


asym_atl2_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
100
105
110
115
120
125
130
135
140
145
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 859.590+/-0.566 χ²/NDF:3389127.3/3
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 9196.585+/-4.037 χ²/NDF:31722.7/2
Left: 1020.259+/-0.560 χ²/NDF: 7602682.9/6
Right: 1493.016+/-0.515 χ²/NDF: 20664769.2/34
In: 6400.065+/-1.495 χ²/NDF:1276882.0/18
Out: 924.911+/-0.392 χ²/NDF:14827554.5/22
All: 1276.811+/-0.379 χ²/NDF: 28653543.6/4



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 3990.272+/-2018.507 χ^2/NDF:10.8/2

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 4175.900+/-1811.905 χ^2/NDF:4.6/2

Left: 4093.069+/-1348.355 χ^2/NDF: 15.5/5

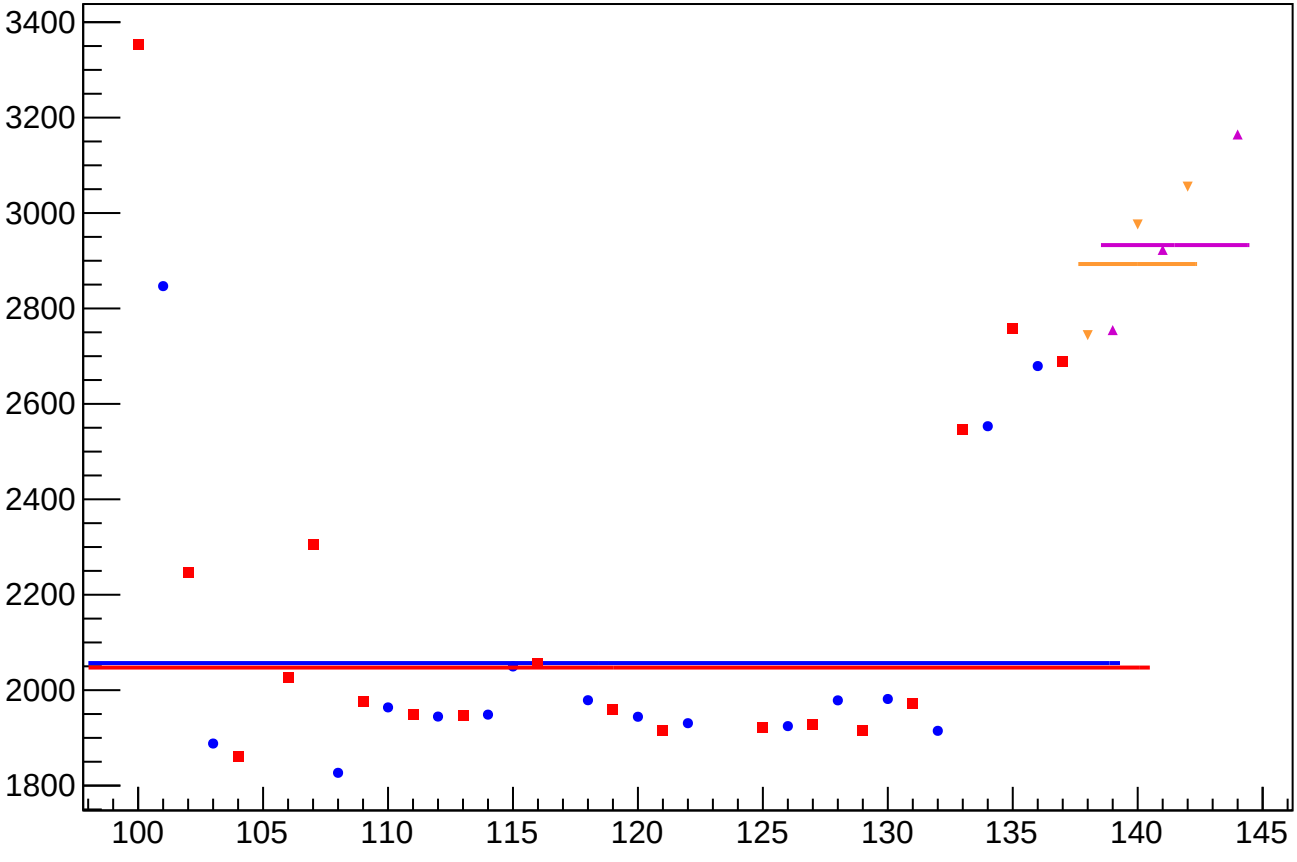
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2334.778+/-711.418 χ^2/NDF:14.8/18

Out: 2503.050+/-720.490 χ^2/NDF:28.1/20

All: 2417.848+/-506.226 χ^2/NDF: 43.0/39

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2893.150+/-1.427 χ^2/NDF:8369.4/2

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2932.831+/-1.281 χ^2/NDF:16735.0/2

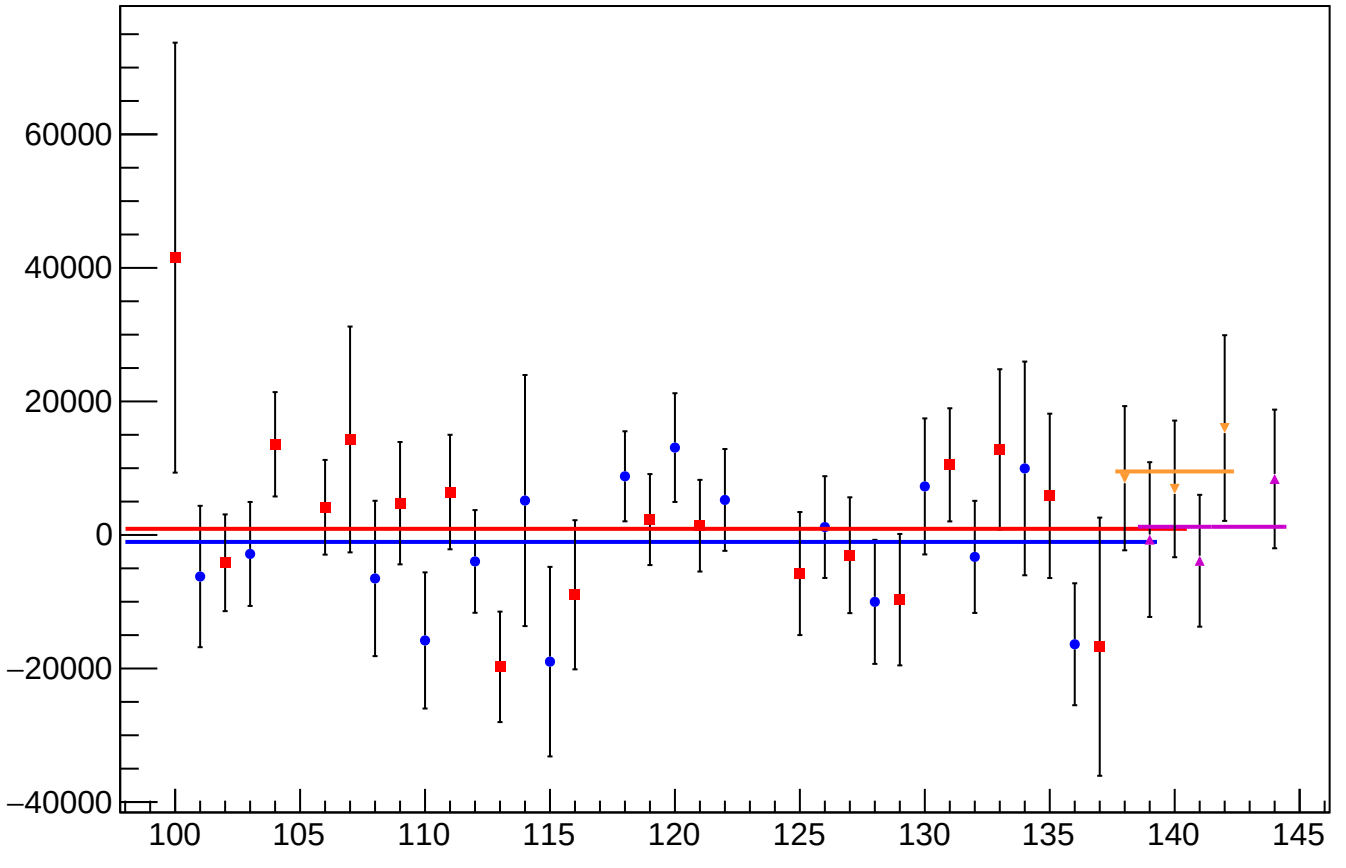
Left: 2915.125+/-0.953 χ^2/NDF: 25532.4/5

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2191.847+/-0.503 χ^2/NDF:682637.9/18

Out: 2154.872+/-0.509 χ^2/NDF:511393.0/20

All: 2173.569+/-0.358 χ^2/NDF: 1196701.6/39



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 9511.069+/-6551.819 χ^2/NDF:0.3/2

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1225.038+/-6088.566 χ^2/NDF:0.8/2

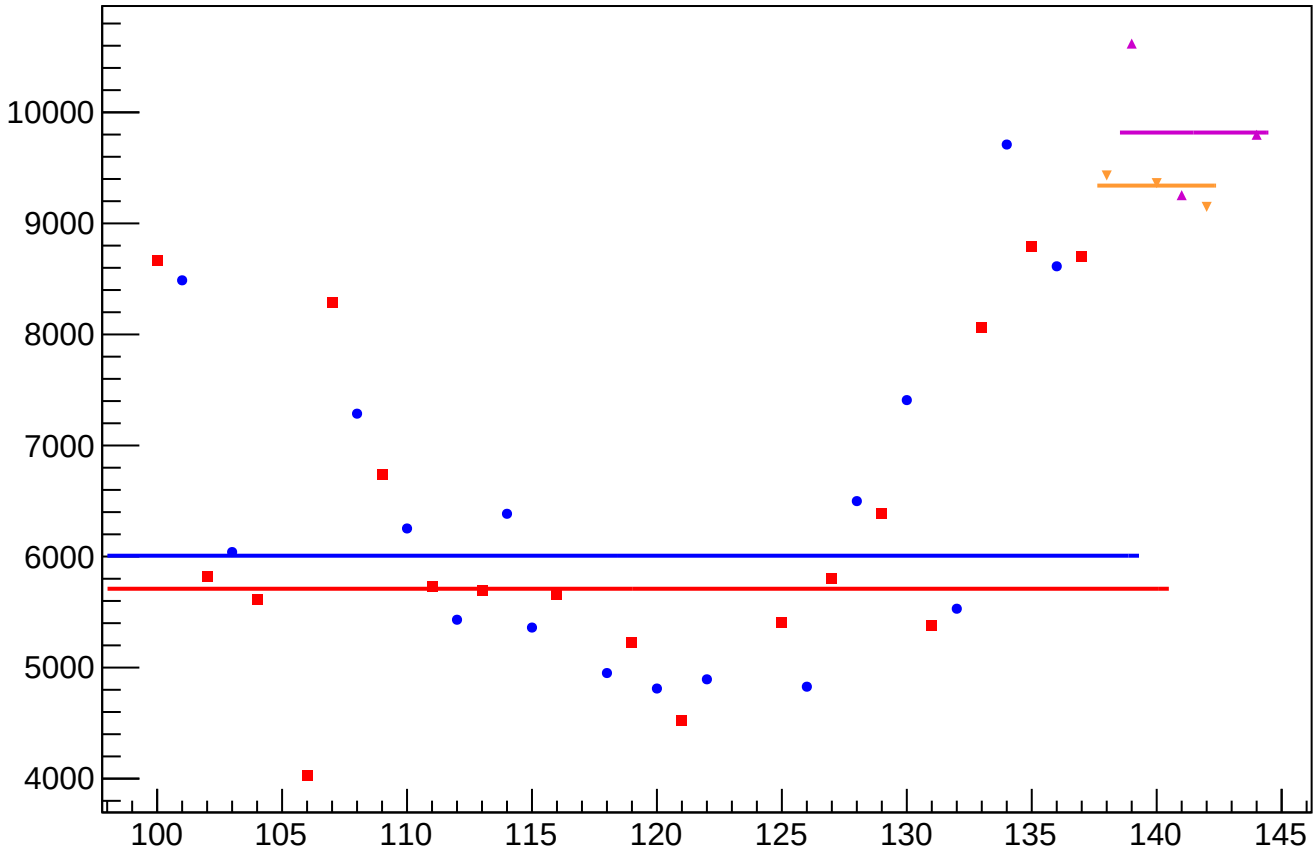
Left: 5064.789+/-4460.054 χ^2/NDF: 1.9/5

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -760.504+/-2147.183 χ^2/NDF:16.2/18

Out: 1755.511+/-2043.589 χ^2/NDF:20.2/20

All: 559.660+/-1480.304 χ^2/NDF: 37.1/39



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9340.500+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9818.149+/-4.305 χ^2/NDF:16084.6/2

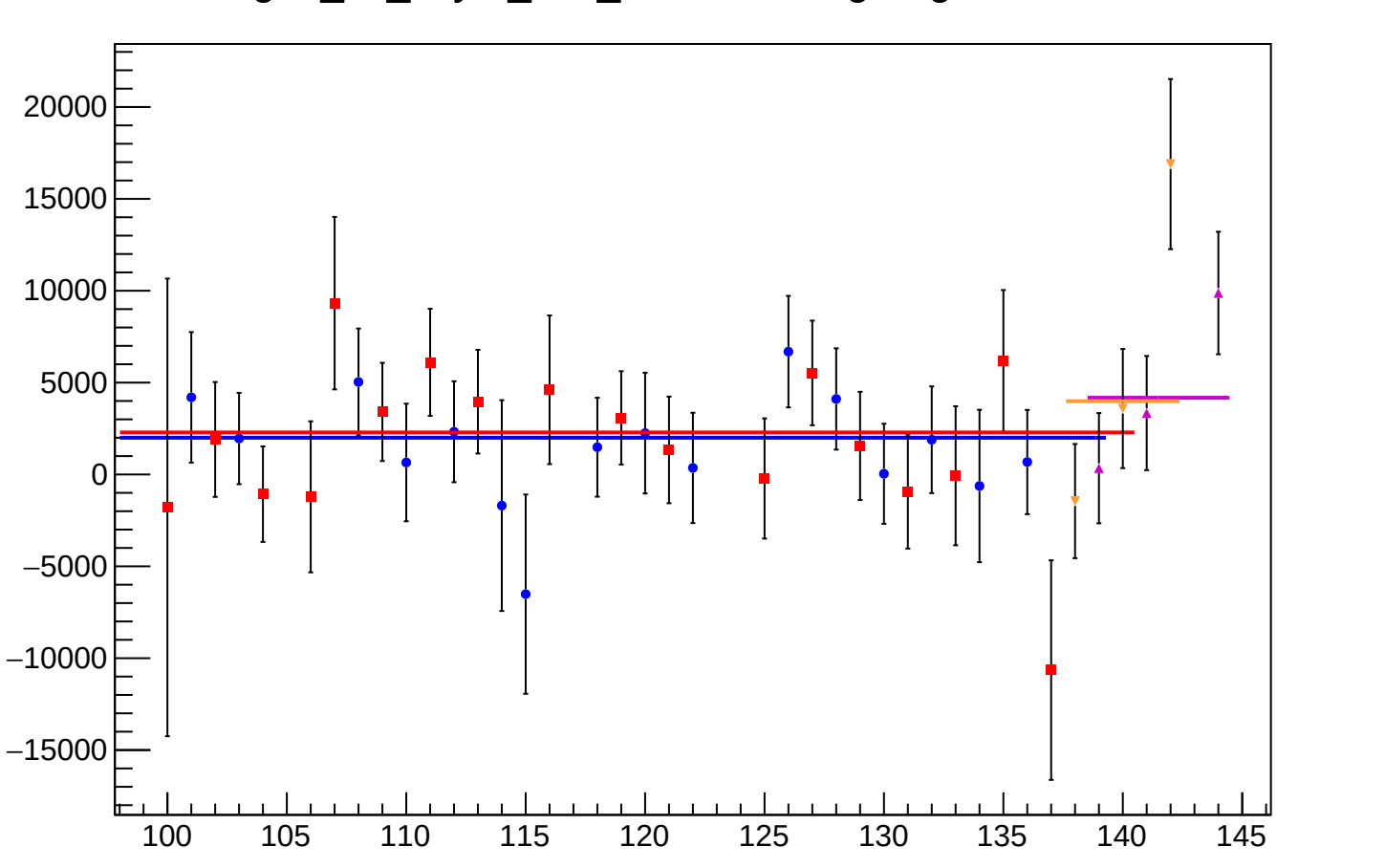
Left: 9596.806+/-3.154 χ^2/NDF: 22320.8/5

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

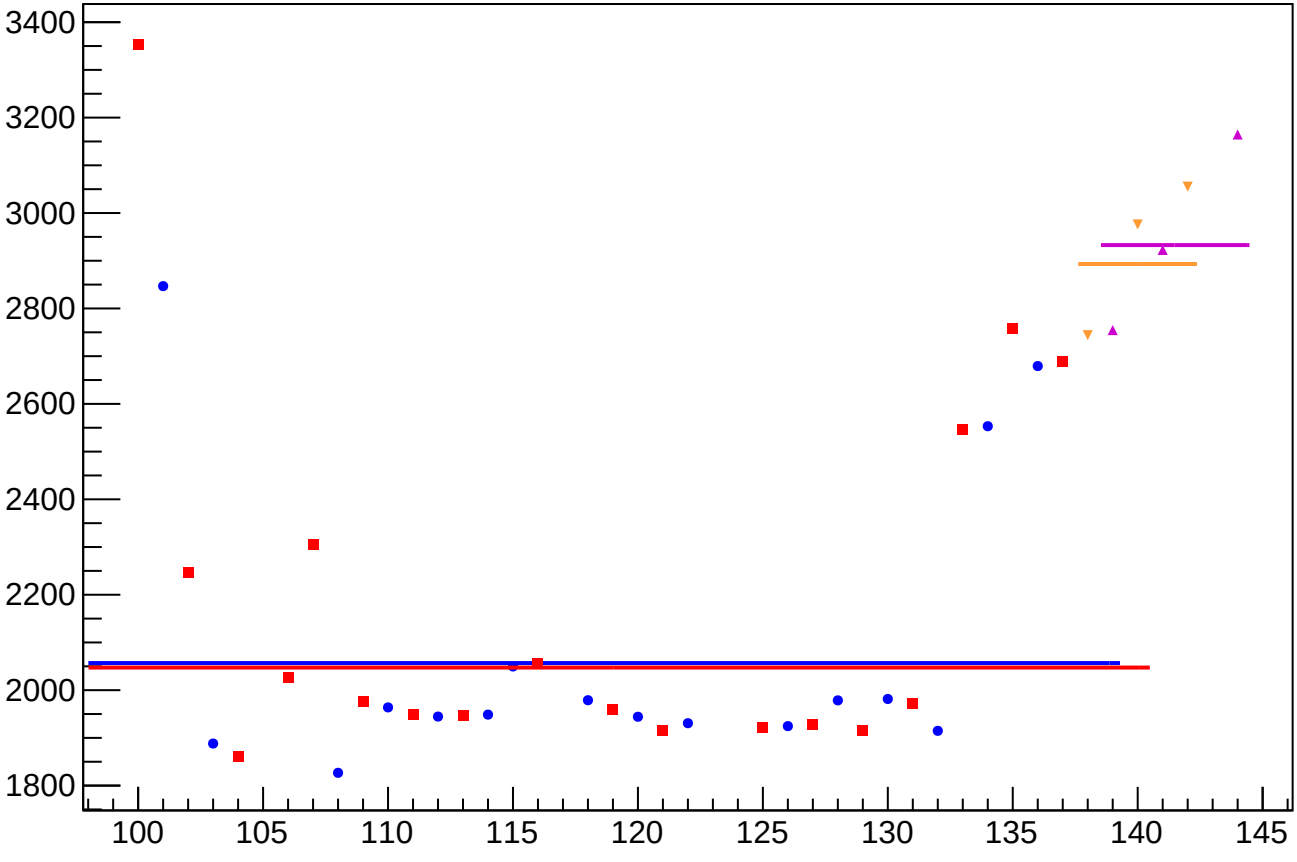
In: 6481.357+/-1.518 χ^2/NDF:1356101.2/18

Out: 6063.119+/-1.445 χ^2/NDF:1090843.2/20

All: 6261.906+/-1.047 χ^2/NDF: 2486759.9/39


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 3990.294+/-2018.509 χ²/NDF:10.8/2
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 4175.905+/-1811.907 χ²/NDF:4.6/2
Left: 4093.082+/-1348.357 χ²/NDF: 15.5/5
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2334.782+/-711.418 χ²/NDF:14.8/18
Out: 2503.055+/-720.490 χ²/NDF:28.1/20
All: 2417.852+/-506.226 χ²/NDF: 43.0/39

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2893.152+/-1.427 χ^2/NDF:8369.7/2

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2932.835+/-1.281 χ^2/NDF:16735.1/2

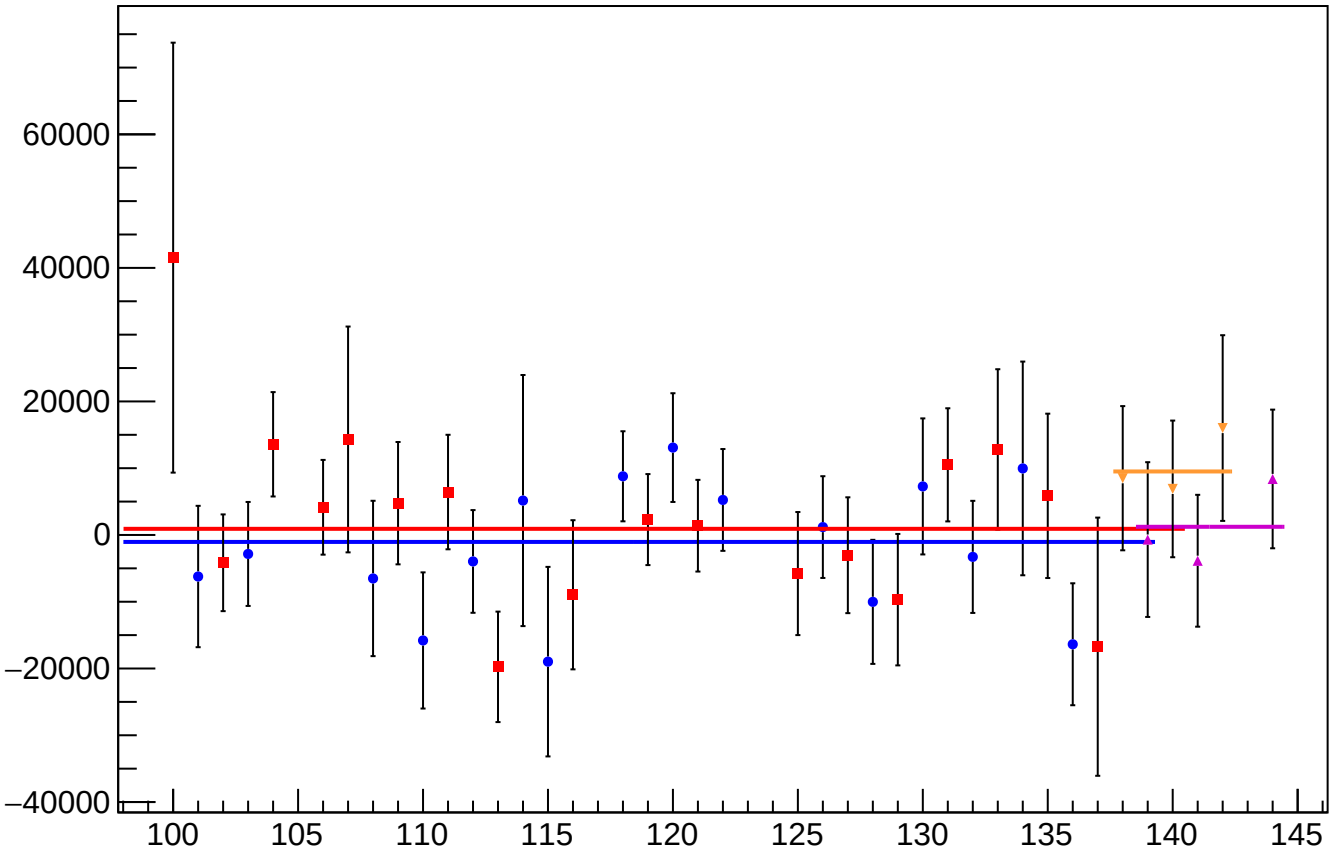
Left: 2915.128+/-0.953 χ^2/NDF: 25532.9/5

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2191.848+/-0.503 χ^2/NDF:682640.3/18

Out: 2154.872+/-0.509 χ^2/NDF:511394.8/20

All: 2173.570+/-0.358 χ^2/NDF: 1196705.9/39



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 9511.109+/-6551.837 χ^2/NDF:0.3/2

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1225.043+/-6088.580 χ^2/NDF:0.8/2

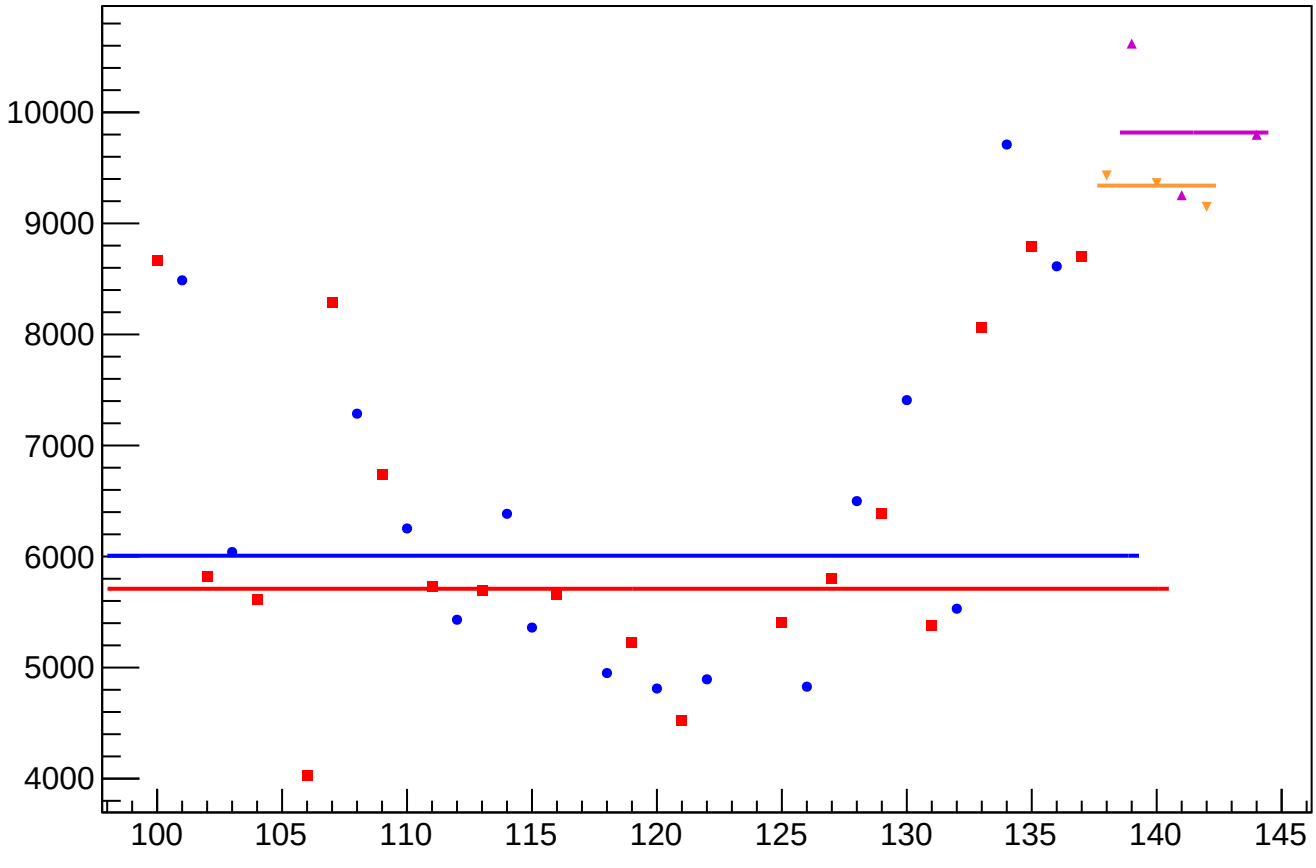
Left: 5064.809+/-4460.065 χ^2/NDF: 1.9/5

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -760.496+/-2147.178 χ^2/NDF:16.2/18

Out: 1755.511+/-2043.584 χ^2/NDF:20.2/20

All: 559.664+/-1480.301 χ^2/NDF: 37.1/39



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9340.526+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9818.172+/-4.305 χ^2/NDF:16085.1/2

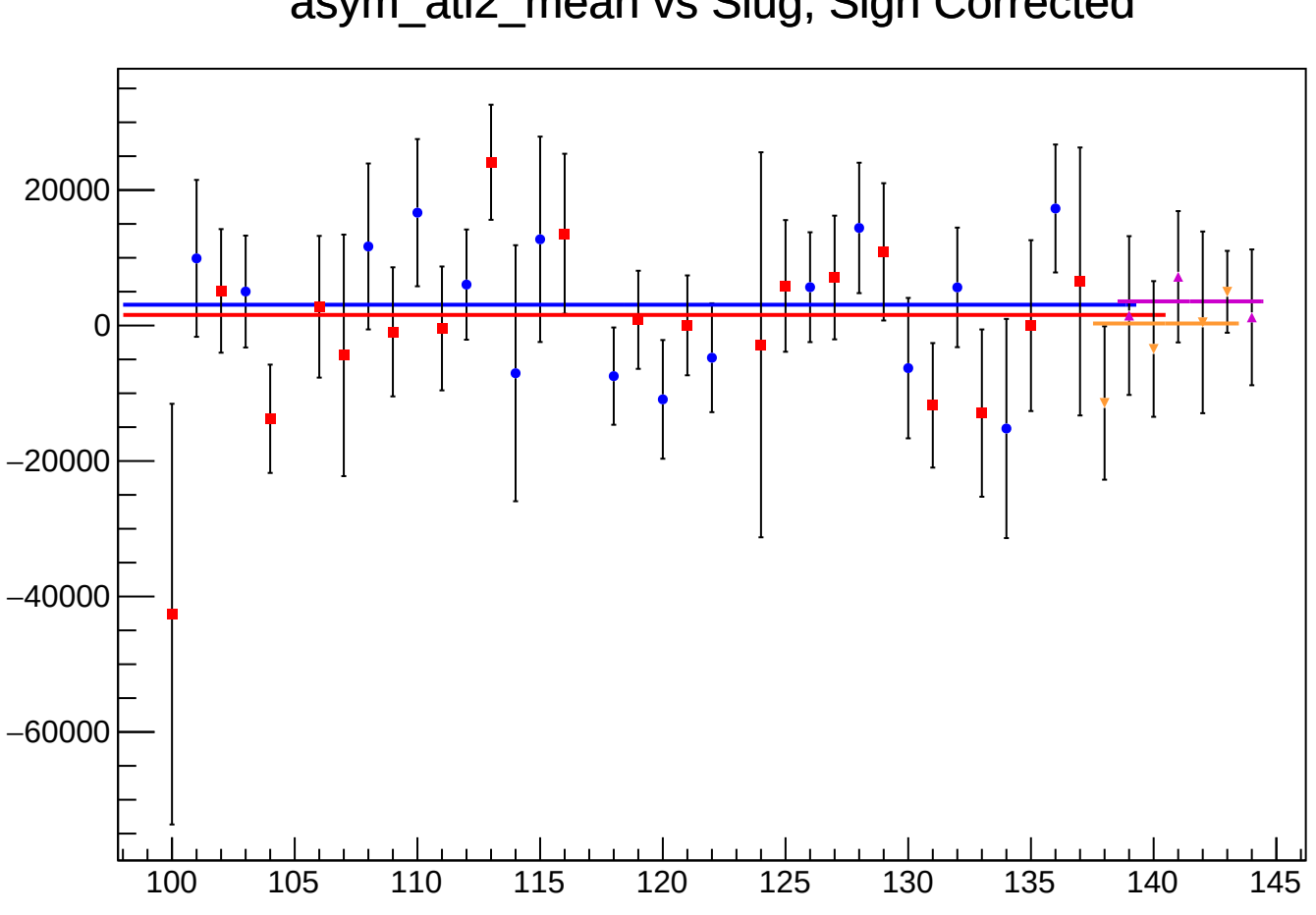
Left: 9596.830+/-3.154 χ^2/NDF: 22321.3/5

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6481.338+/-1.518 χ^2/NDF:1356123.0/18

Out: 6063.103+/-1.445 χ^2/NDF:1090857.6/20

All: 6261.888+/-1.047 χ^2/NDF: 2486795.7/39



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 302.122+/-4440.692 χ^2/NDF:1.8/3

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 3565.826+/-5989.838 χ^2/NDF:0.2/2

Left: 1459.709+/-3567.274 χ^2/NDF: 2.2/6

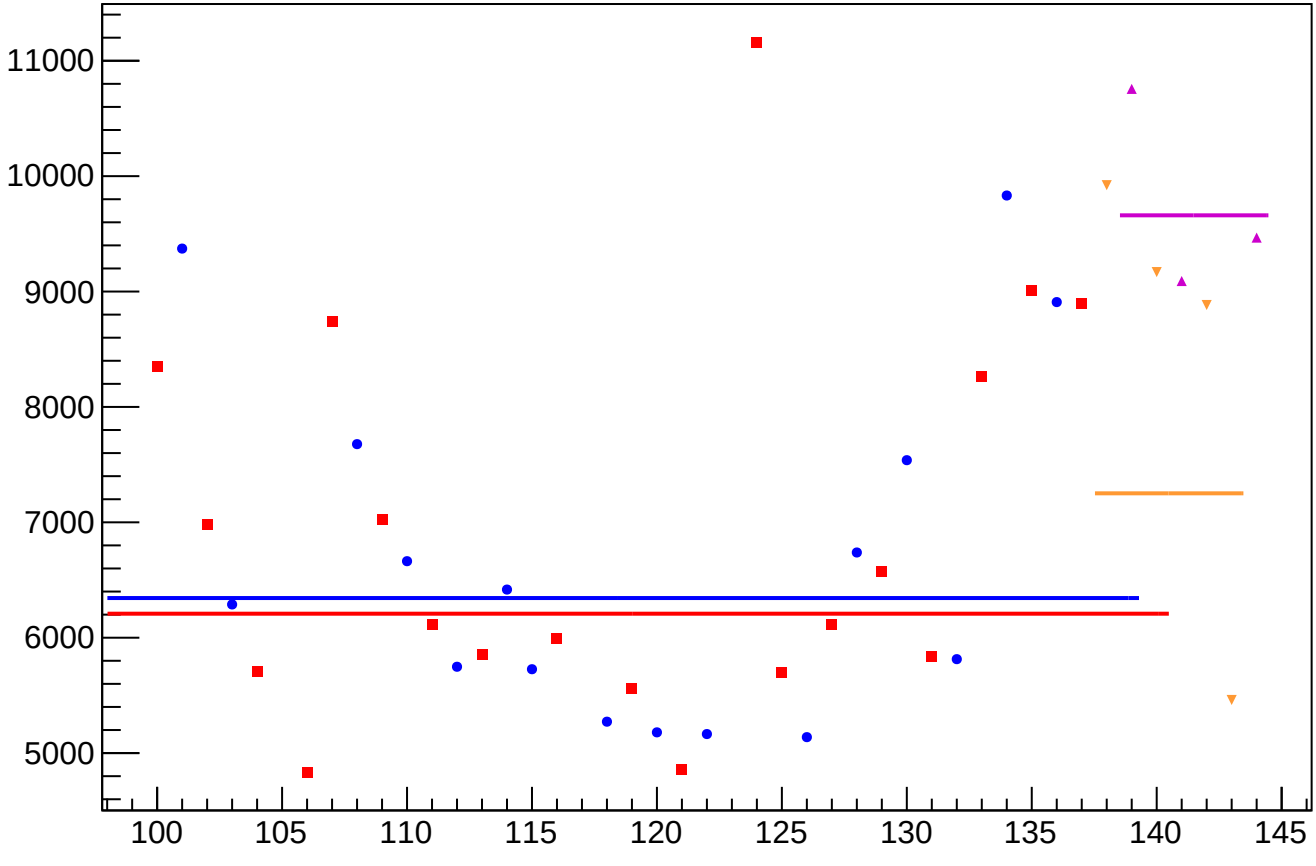
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 3139.865+/-2244.366 χ^2/NDF:15.1/18

Out: 1292.935+/-2067.320 χ^2/NDF:21.1/22

All: 2140.689+/-1520.560 χ^2/NDF: 36.6/41

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7251.264+/-3.140 χ^2/NDF:389818.3/3

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9660.557+/-4.235 χ^2/NDF:25128.0/2

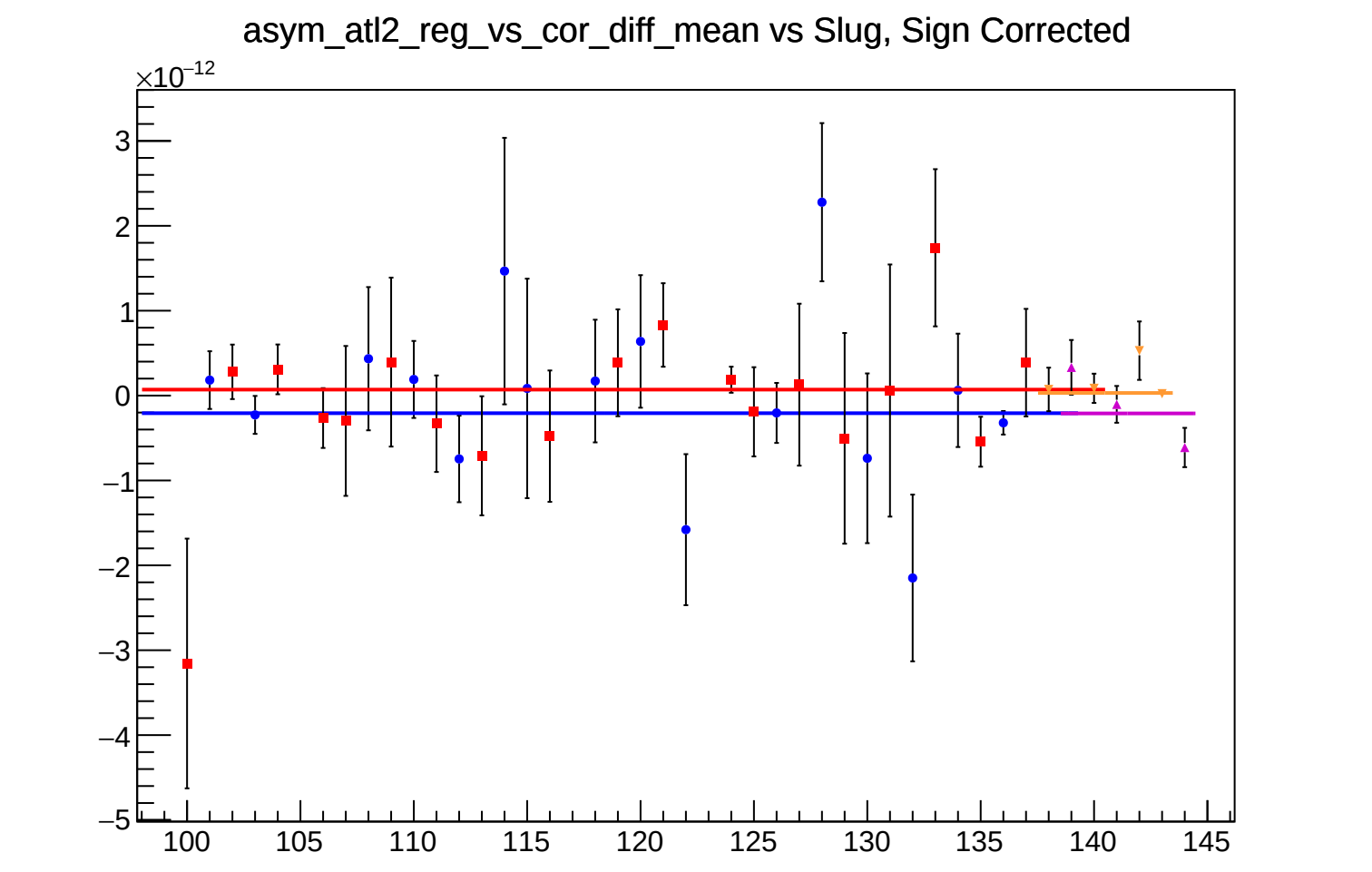
Left: 8105.804+/-2.522 χ^2/NDF: 623756.1/6

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 6809.458+/-1.587 χ^2/NDF:1173508.7/18

Out: 6434.181+/-1.462 χ^2/NDF:948105.6/22

All: 6606.435+/-1.075 χ^2/NDF: 2151865.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/2

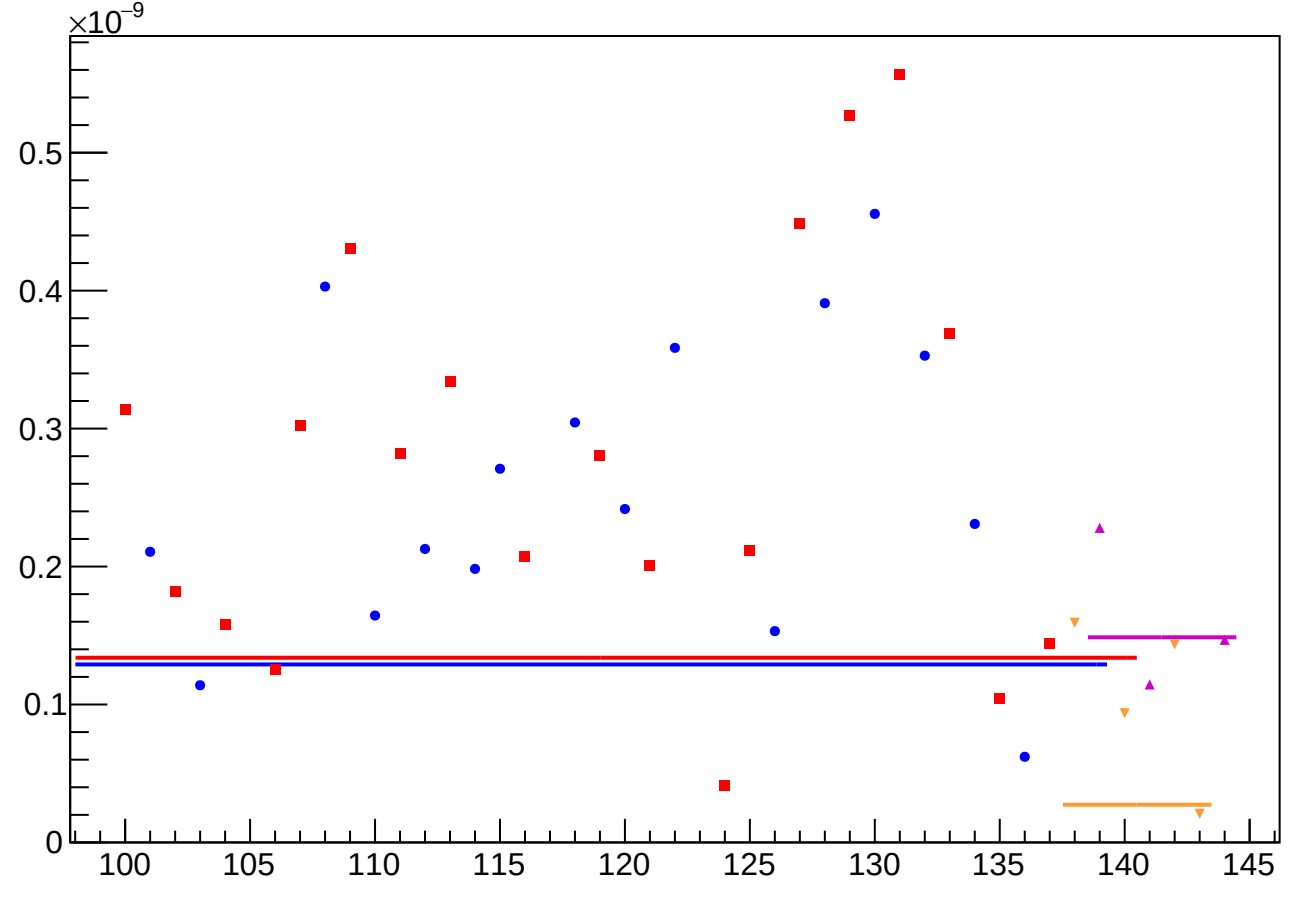
Left: 0.000+/-0.000 χ^2/NDF: 11.1/6

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:27.0/18

Out: 0.000+/-0.000 χ^2/NDF:23.3/22

All: 0.000+/-0.000 χ^2/NDF: 58.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1122109.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:170955.6/2

Left: 0.000+/-0.000 χ^2/NDF: 2672958.9/6

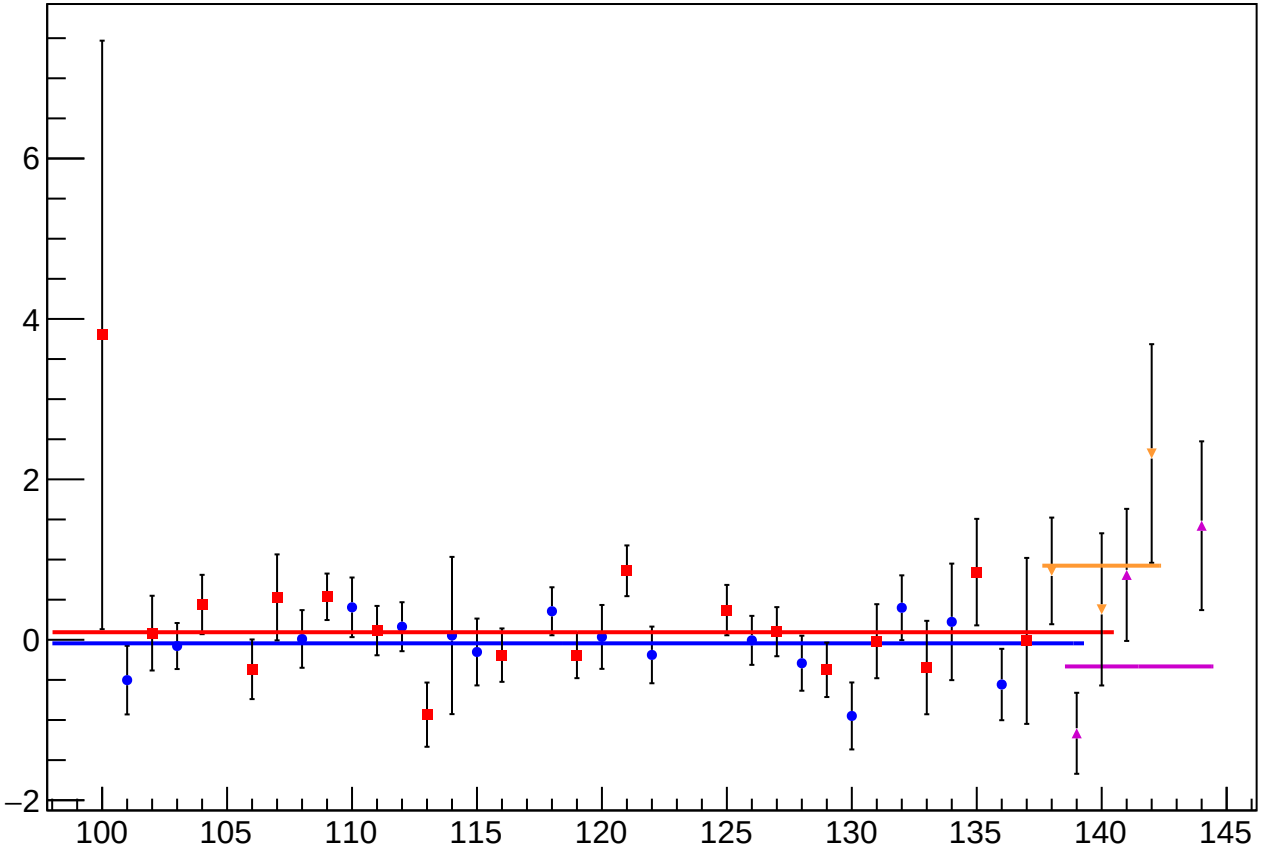
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:1917739.9/18

Out: 0.000+/-0.000 χ^2/NDF:5620747.0/22

All: 0.000+/-0.000 χ^2/NDF: 10043142.7/41

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.332+/-0.398 χ^2/NDF:7.4/2

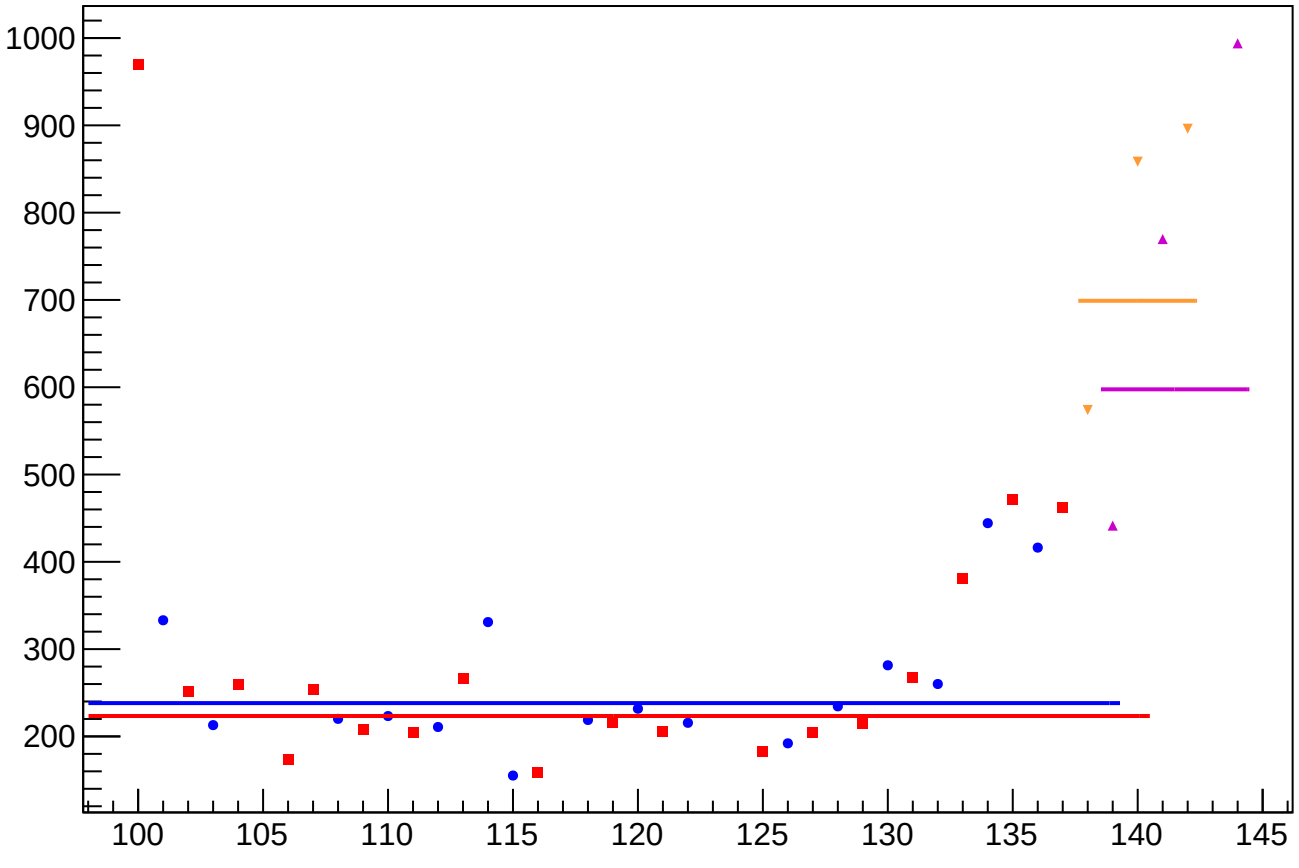
Left: 0.149+/-0.313 χ^2/NDF: 12.6/5

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.059+/-0.091 χ^2/NDF:21.0/18

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.033+/-0.064 χ^2/NDF: 52.3/39



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 597.590+/-0.282 χ^2/NDF:562533.8/2

Left: 636.456+/-0.221 χ^2/NDF: 781345.2/5

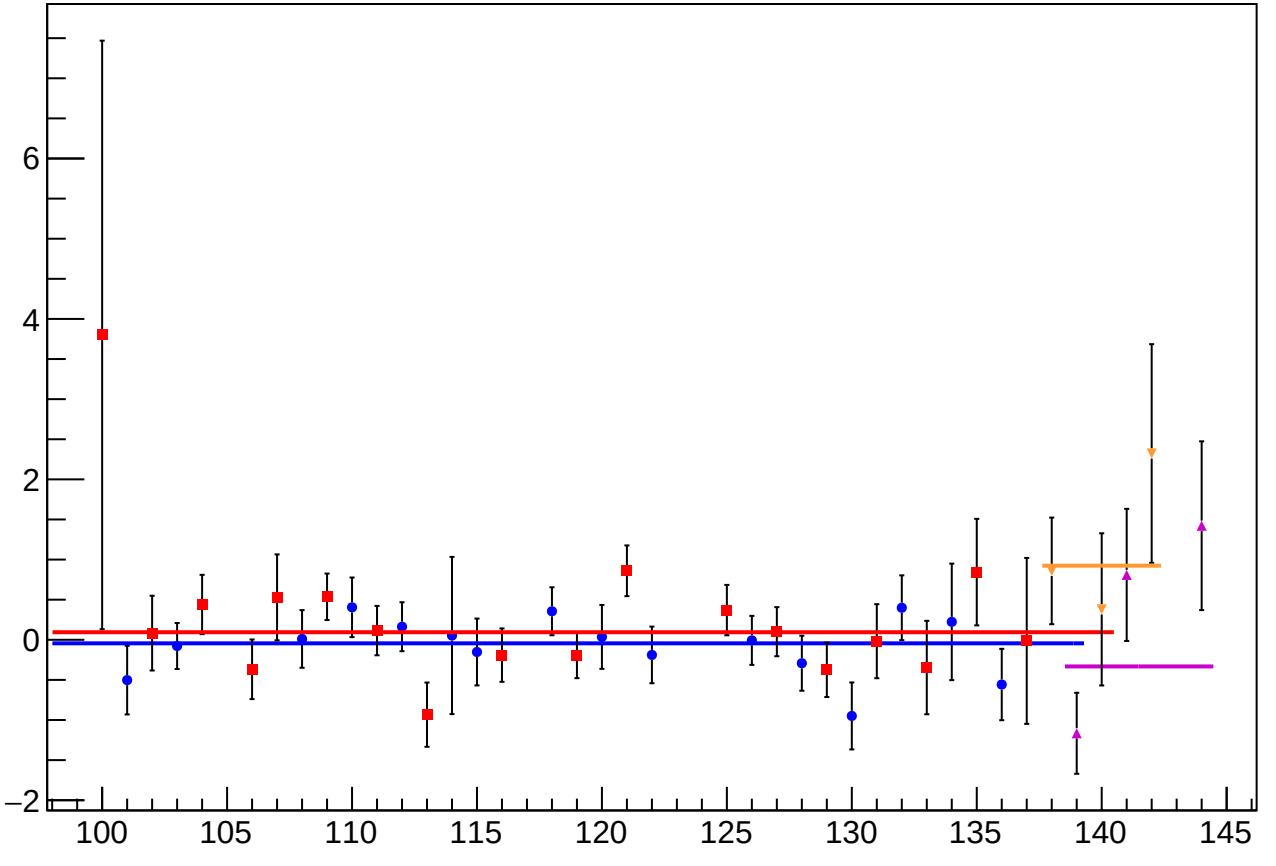
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 257.044+/-0.065 χ^2/NDF:2912253.2/18

Out: 238.011+/-0.063 χ^2/NDF:2747682.2/20

All: 247.246+/-0.045 χ^2/NDF: 5704676.6/39

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.332+/-0.398 χ^2/NDF:7.4/2

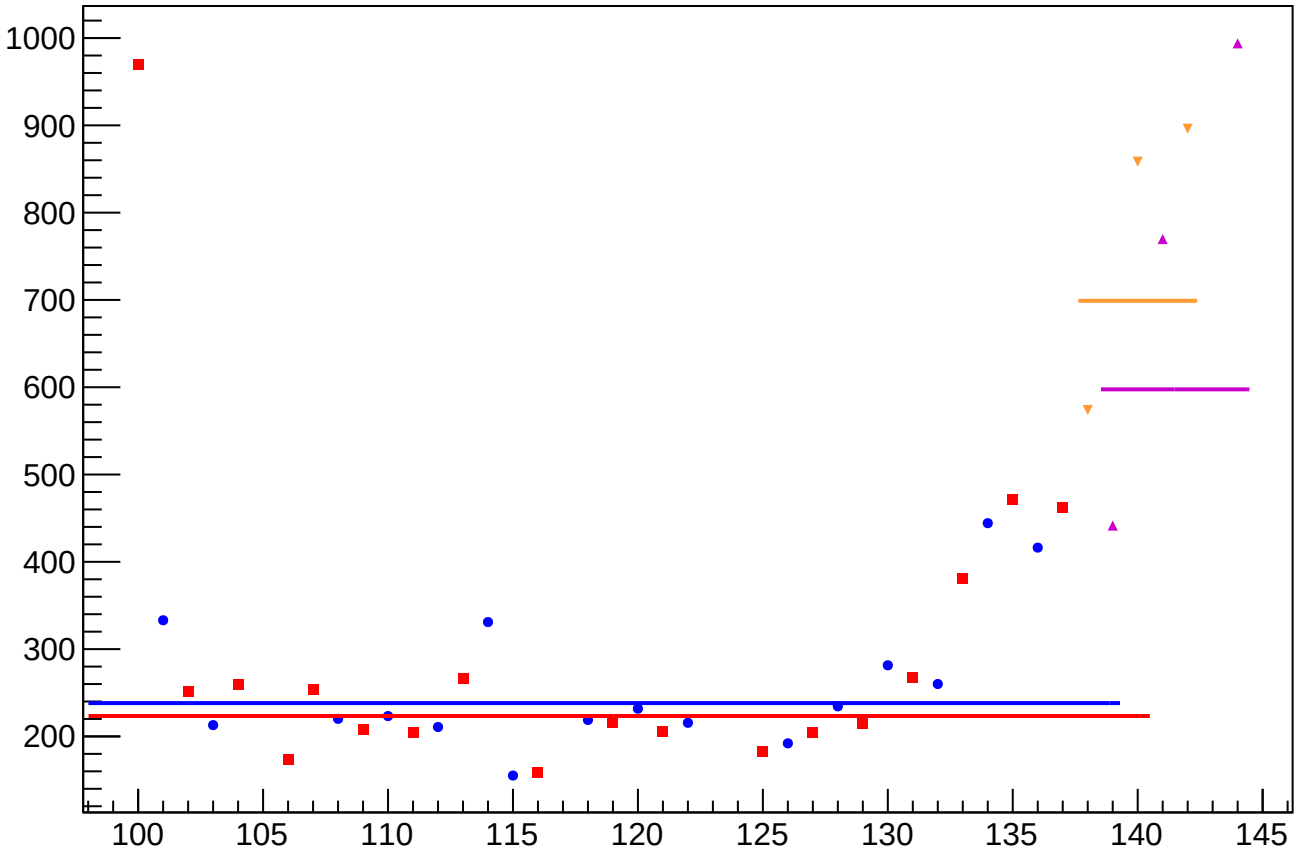
Left: 0.149+/-0.313 χ^2/NDF: 12.6/5

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.059+/-0.091 χ^2/NDF:21.0/18

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.033+/-0.064 χ^2/NDF: 52.3/39



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 597.590+/-0.282 χ^2/NDF:562533.8/2

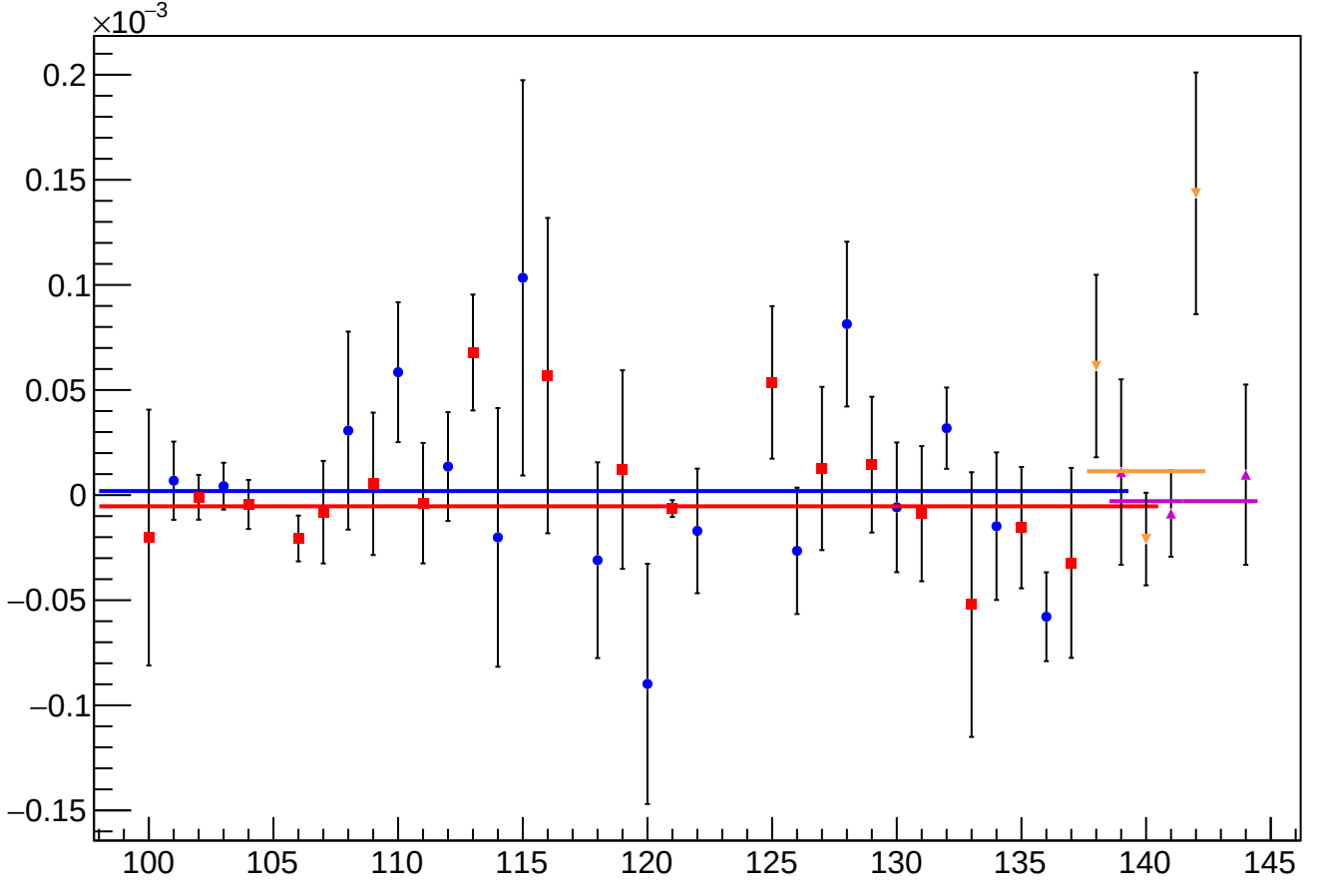
Left: 636.456+/-0.221 χ^2/NDF: 781345.2/5

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 257.044+/-0.065 χ^2/NDF:2912253.2/18

Out: 238.011+/-0.063 χ^2/NDF:2747682.2/20

All: 247.246+/-0.045 χ^2/NDF: 5704676.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

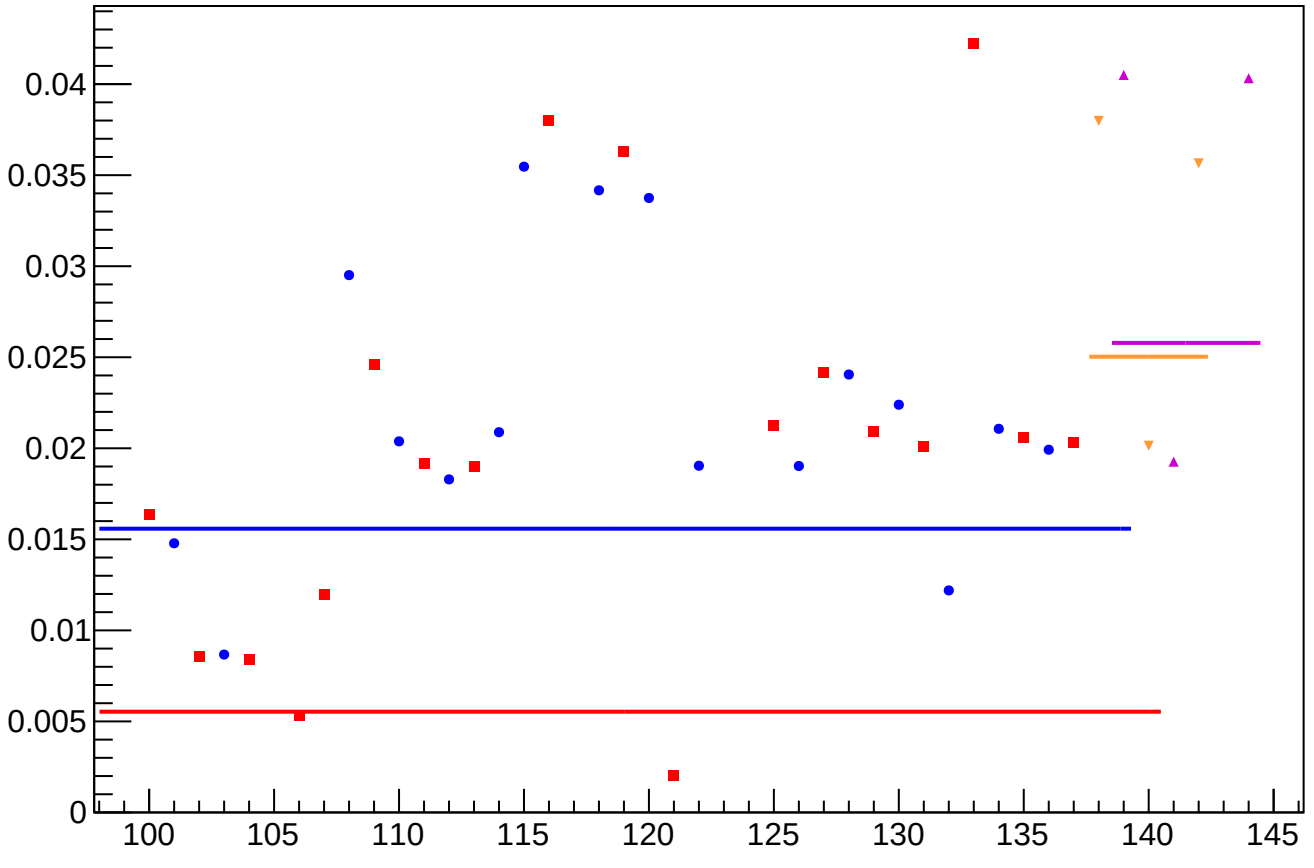
Left: 0.000+/-0.000 χ^2/NDF: 9.4/5

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:24.4/18

Out: -0.000+/-0.000 χ^2/NDF:24.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.3/39



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.025+/-0.000 χ^2/NDF:344818.1/2

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.026+/-0.000 χ^2/NDF:653961.4/2

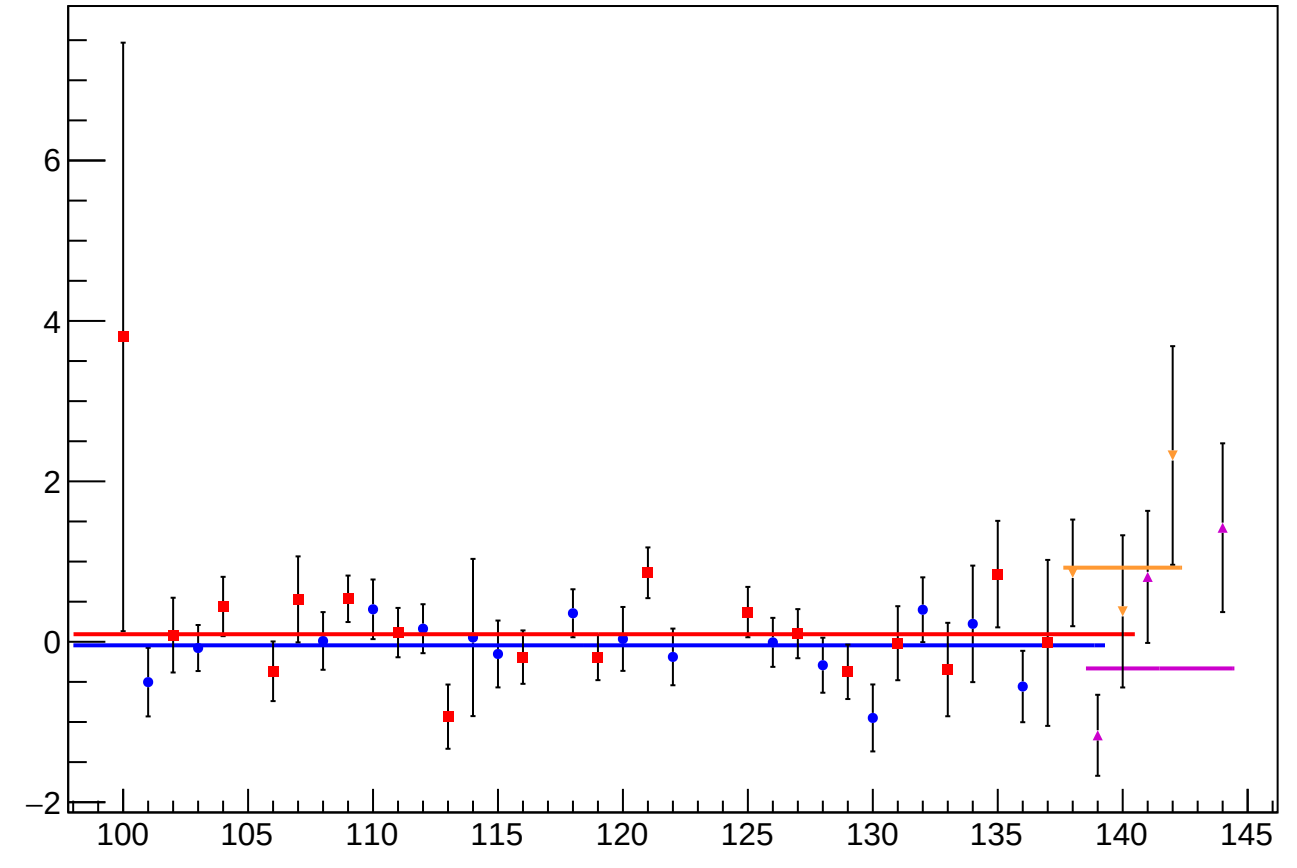
Left: 0.025+/-0.000 χ^2/NDF: 1000582.1/5

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.017+/-0.000 χ^2/NDF:3355141.4/18

Out: 0.006+/-0.000 χ^2/NDF:10437456.2/20

All: 0.008+/-0.000 χ^2/NDF: 18847279.1/39



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.332+/-0.398 χ^2/NDF:7.4/2

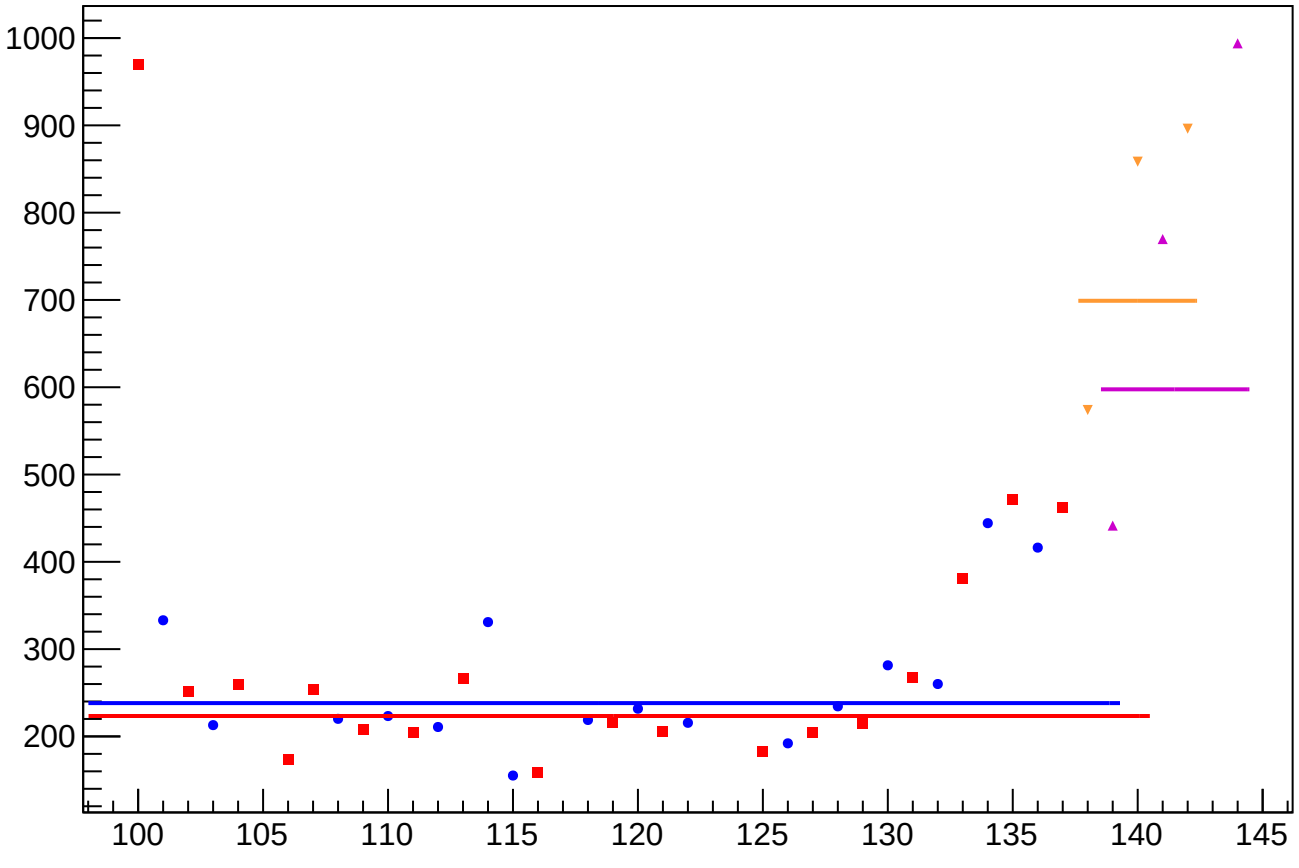
Left: 0.149+/-0.313 χ^2/NDF: 12.6/5

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.059+/-0.091 χ^2/NDF:21.0/18

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.033+/-0.064 χ^2/NDF: 52.3/39



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 597.605+/-0.282 χ^2/NDF:562513.4/2

Left: 636.468+/-0.221 χ^2/NDF: 781324.8/5

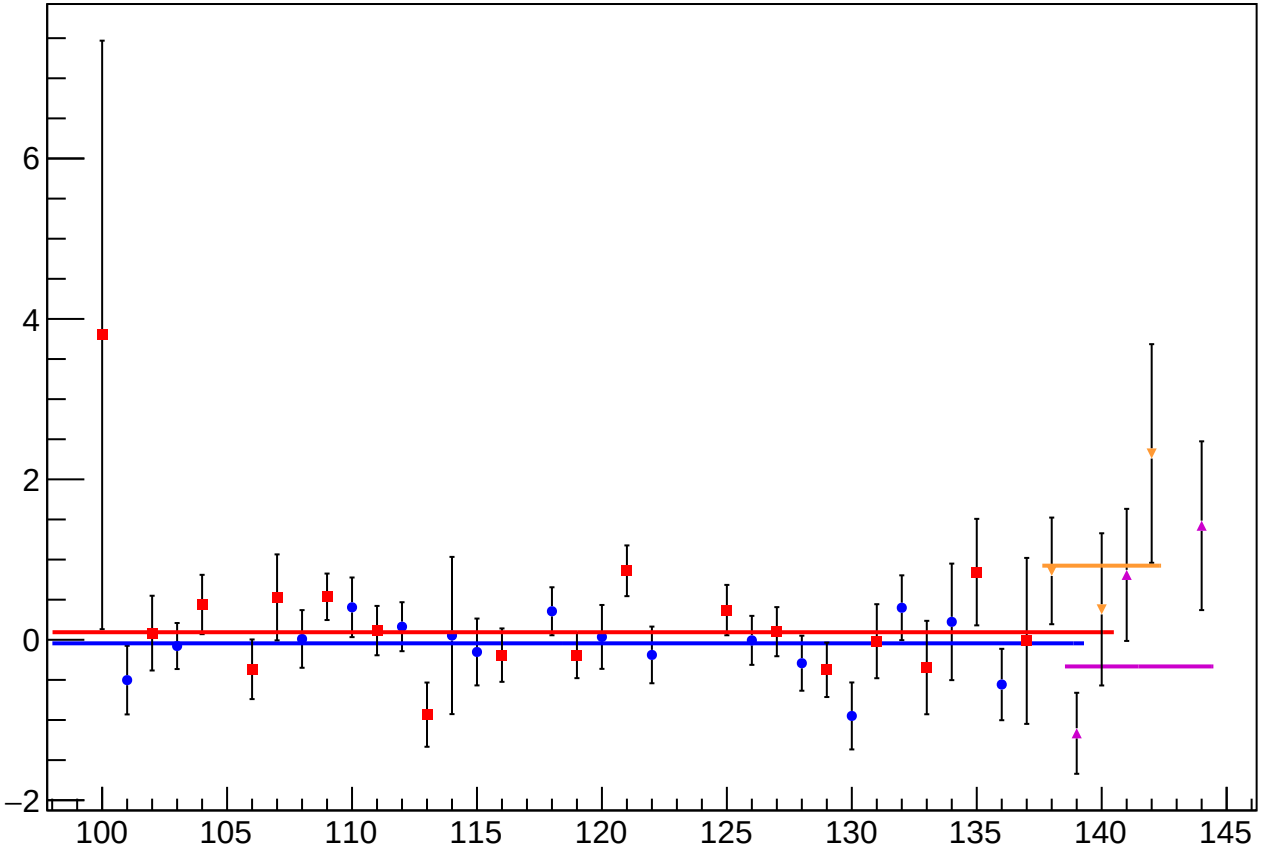
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 257.045+/-0.065 χ^2/NDF:2912253.8/18

Out: 238.013+/-0.063 χ^2/NDF:2747636.7/20

All: 247.247+/-0.045 χ^2/NDF: 5704627.4/39

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: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.332+/-0.398 χ^2/NDF:7.4/2

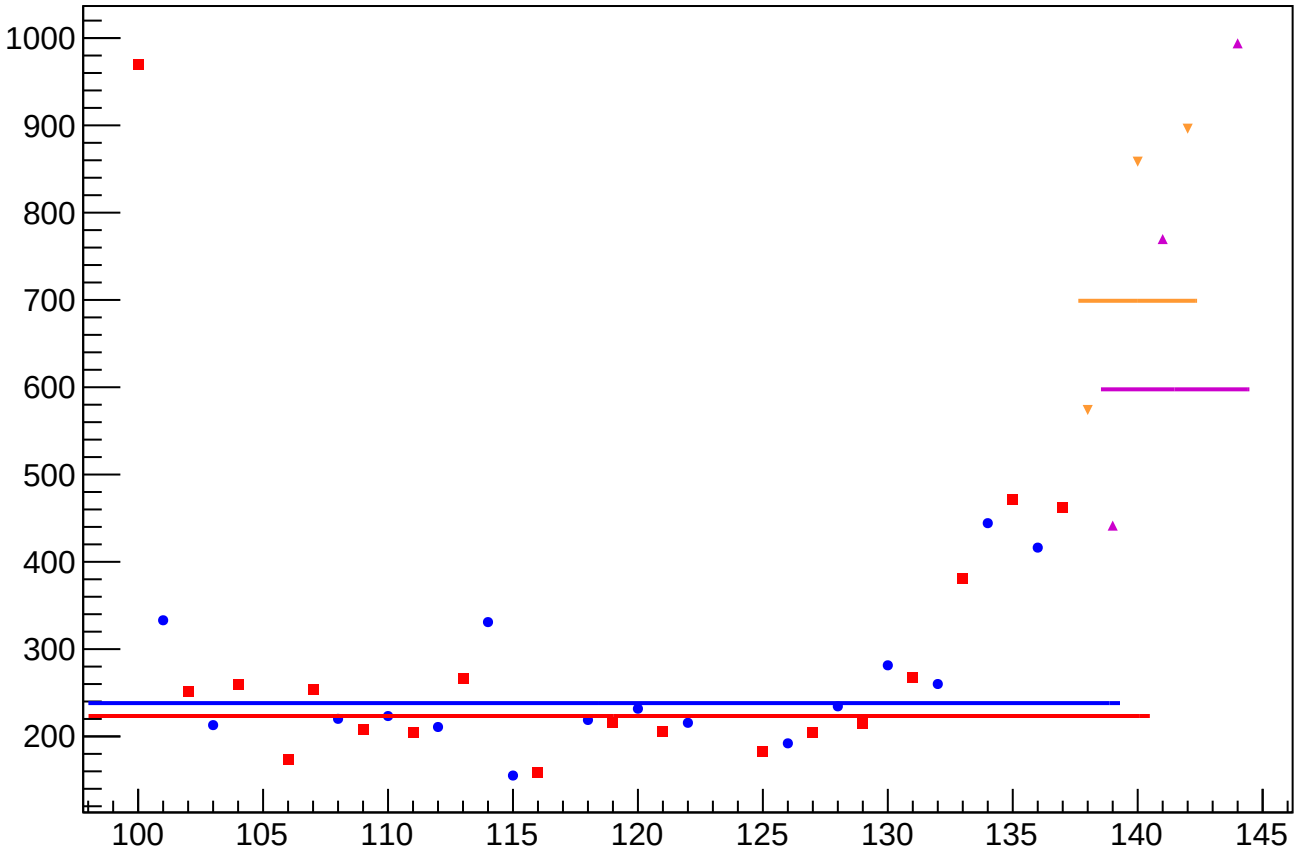
Left: 0.149+/-0.313 χ^2/NDF: 12.6/5

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.059+/-0.091 χ^2/NDF:21.0/18

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.033+/-0.064 χ^2/NDF: 52.3/39



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 597.605+/-0.282 χ^2/NDF:562513.4/2

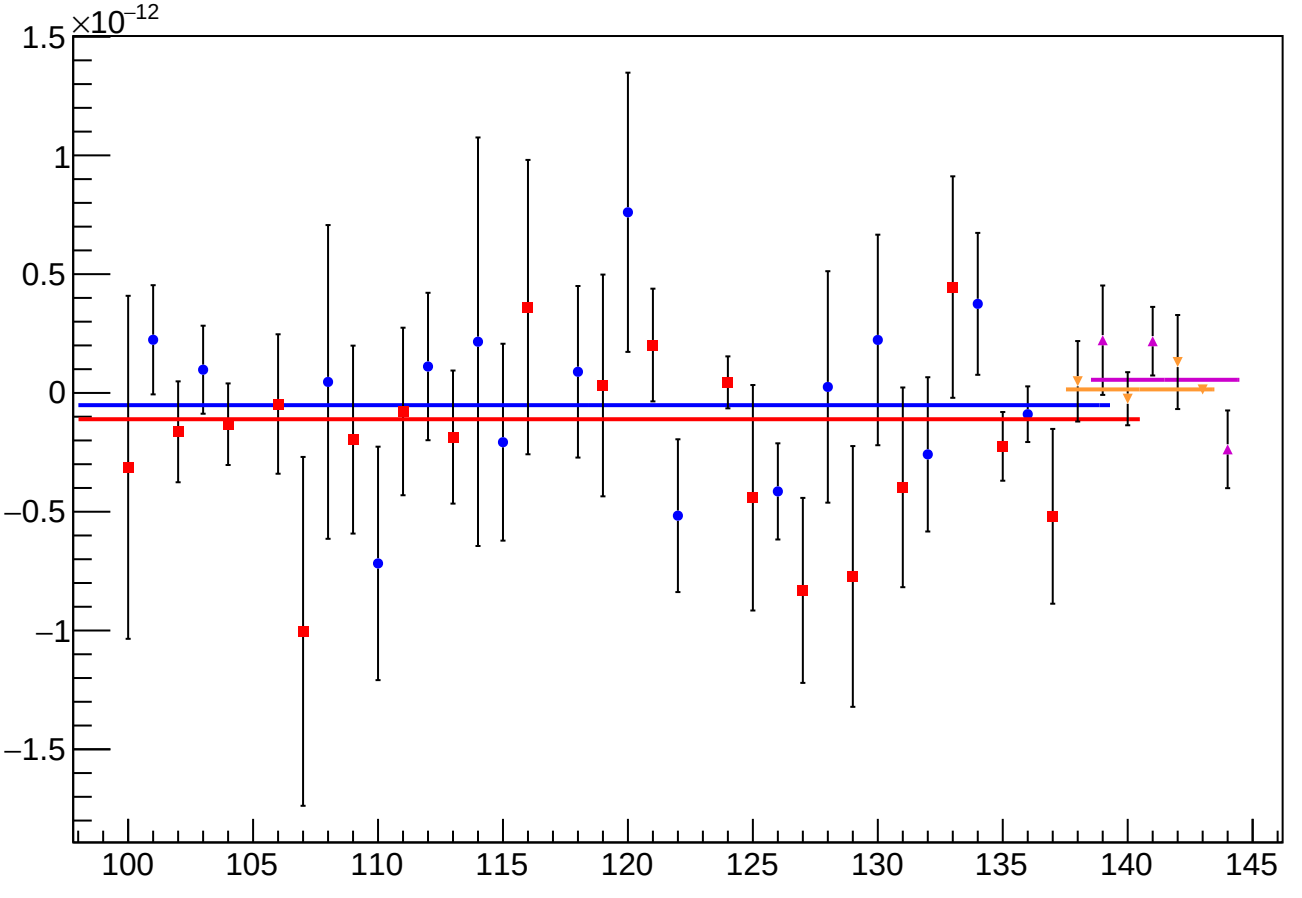
Left: 636.468+/-0.221 χ^2/NDF: 781324.8/5

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 257.045+/-0.065 χ^2/NDF:2912253.8/18

Out: 238.013+/-0.063 χ^2/NDF:2747636.7/20

All: 247.247+/-0.045 χ^2/NDF: 5704627.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/2

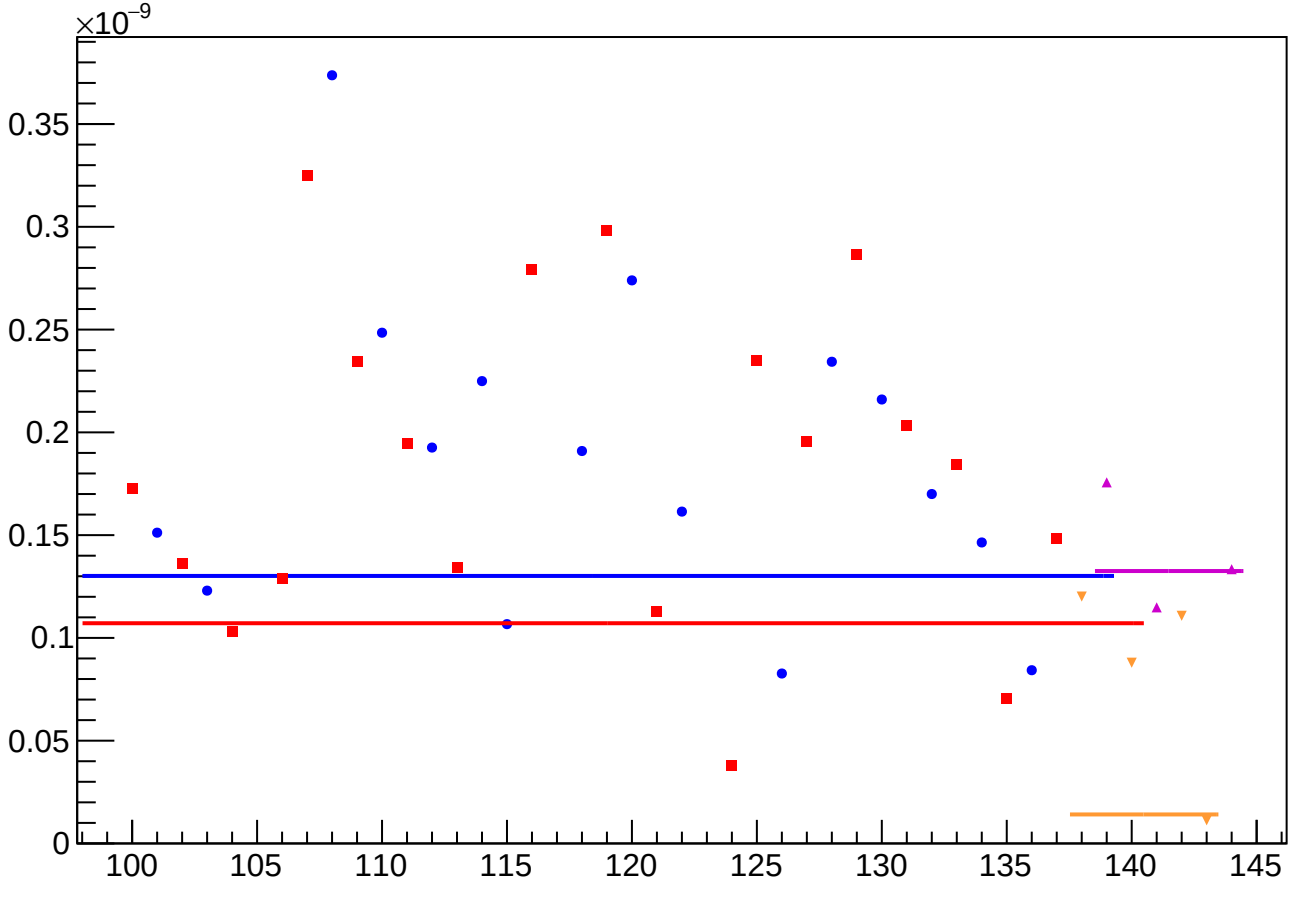
Left: 0.000+/-0.000 χ^2/NDF: 5.7/6

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:20.6/18

Out: 0.000+/-0.000 χ^2/NDF:20.1/22

All: 0.000+/-0.000 χ^2/NDF: 40.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2202888.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:100238.0/2

Left: 0.000+/-0.000 χ^2/NDF: 5158172.0/6

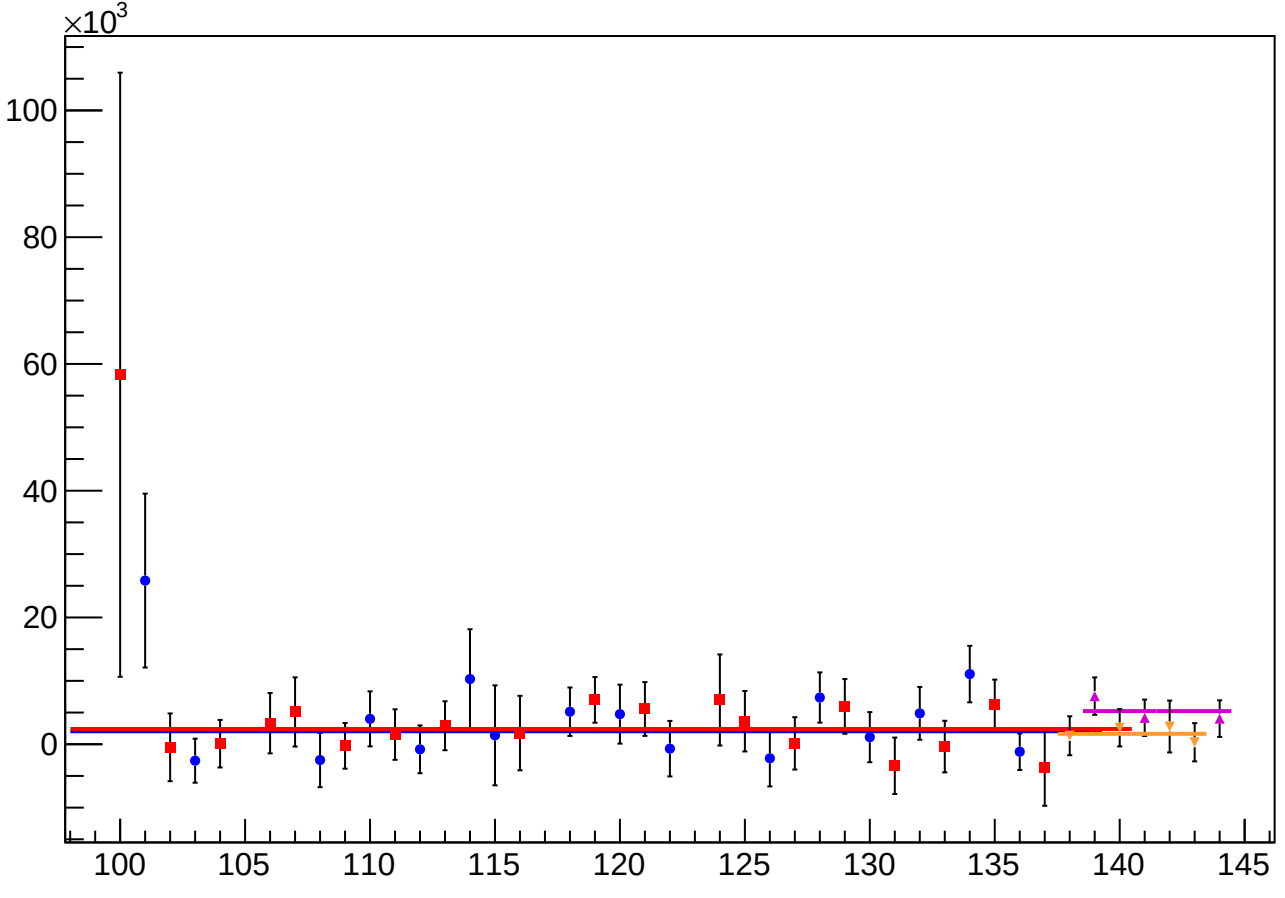
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1435307.9/18

Out: 0.000+/-0.000 χ^2/NDF:9519144.0/22

All: 0.000+/-0.000 χ^2/NDF: 18418758.3/41

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1645.862+/-1600.365 χ^2/NDF:0.4/3

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 5228.301+/-1676.907 χ^2/NDF:0.9/2

Left: 3353.458+/-1157.743 χ^2/NDF: 3.7/6

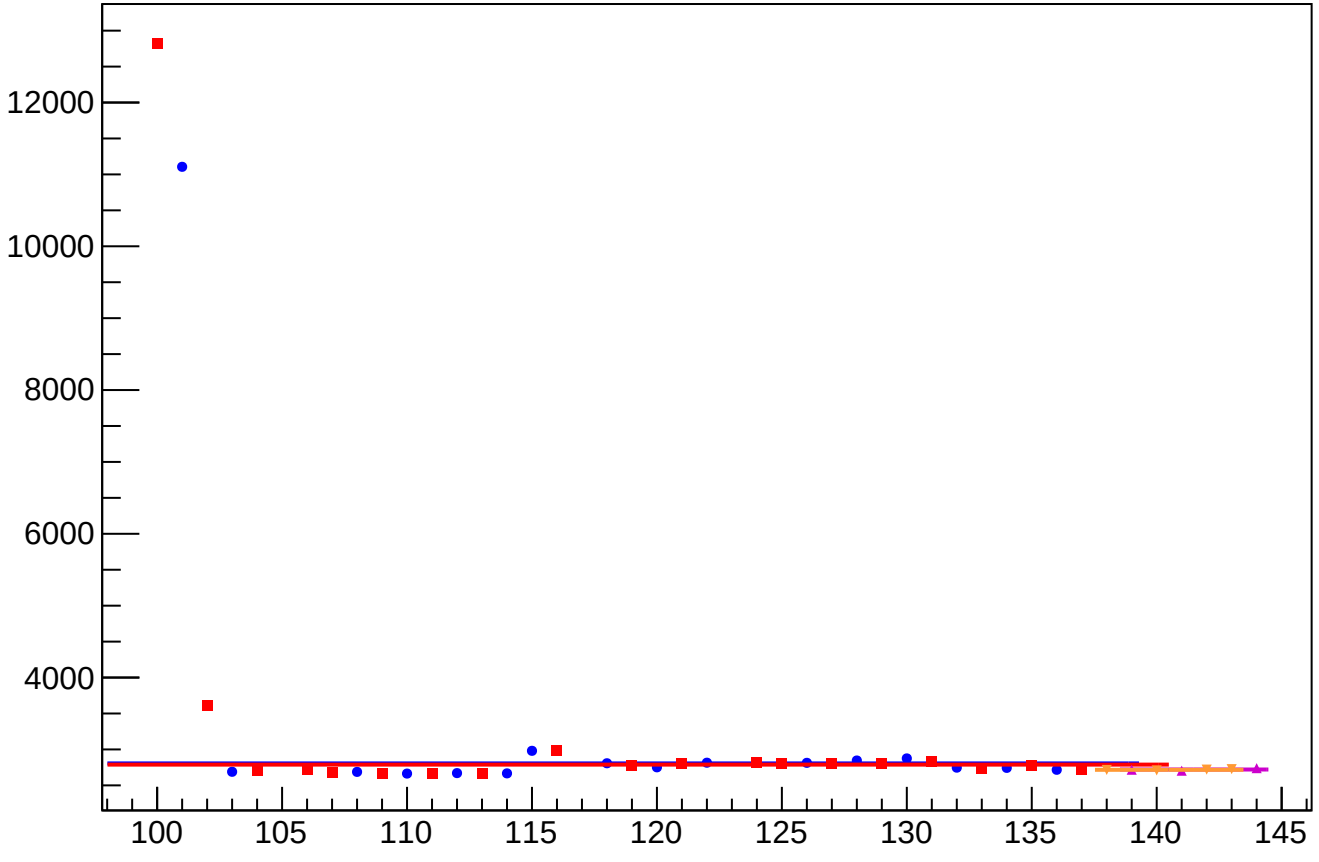
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2969.736+/-902.253 χ^2/NDF:21.3/18

Out: 2185.814+/-869.365 χ^2/NDF:11.3/22

All: 2563.228+/-626.038 χ^2/NDF: 33.0/41

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

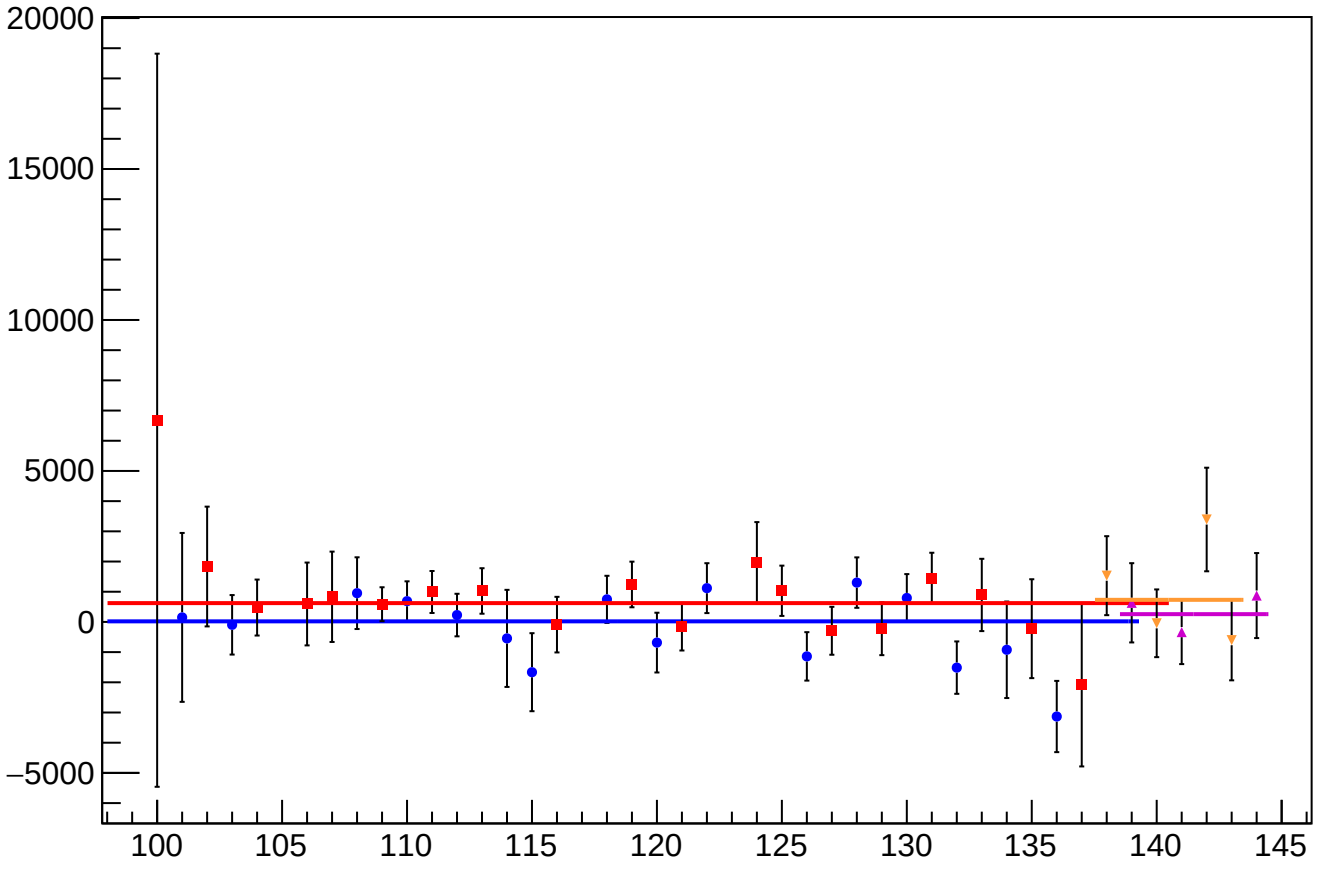
Left: 2718.417+/-0.819 χ^2/NDF: 195.0/6

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2780.873+/-0.638 χ^2/NDF:750034.9/18

Out: 2767.467+/-0.615 χ^2/NDF:149915.8/22

All: 2773.921+/-0.443 χ^2/NDF: 900179.6/41



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 731.498+/-661.607 χ^2/NDF:4.3/3

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 257.434+/-711.570 χ^2/NDF:0.6/2

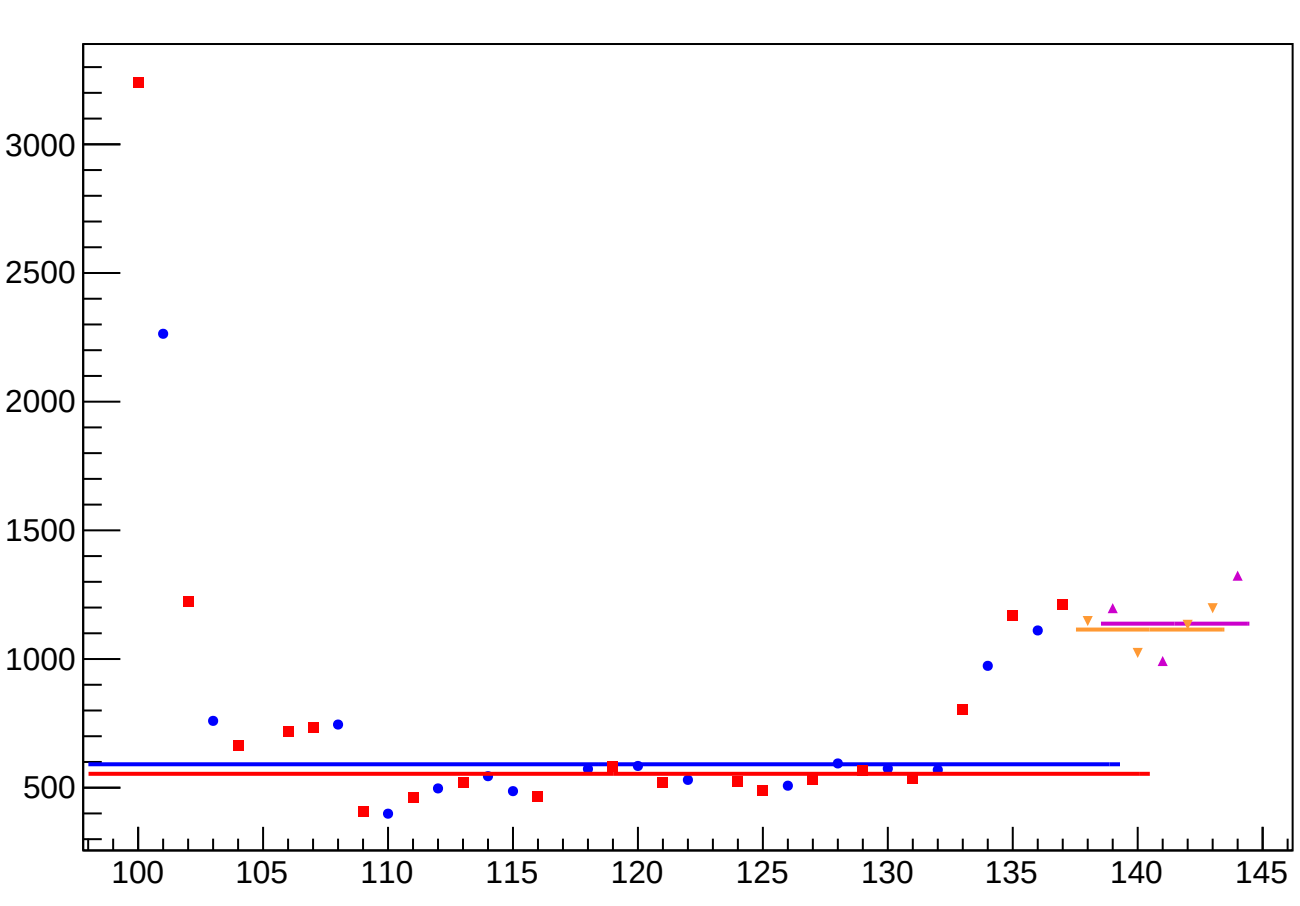
Left: 511.692+/-484.528 χ^2/NDF: 5.1/6

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 42.159+/-221.846 χ^2/NDF:23.4/18

Out: 633.543+/-205.289 χ^2/NDF:13.6/22

All: 360.739+/-150.675 χ^2/NDF: 40.8/41



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1114.530+/-0.468 χ^2/NDF:22390.6/3

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 1137.421+/-0.503 χ^2/NDF:76781.5/2

Left: 1125.144+/-0.343 χ^2/NDF: 100282.2/6

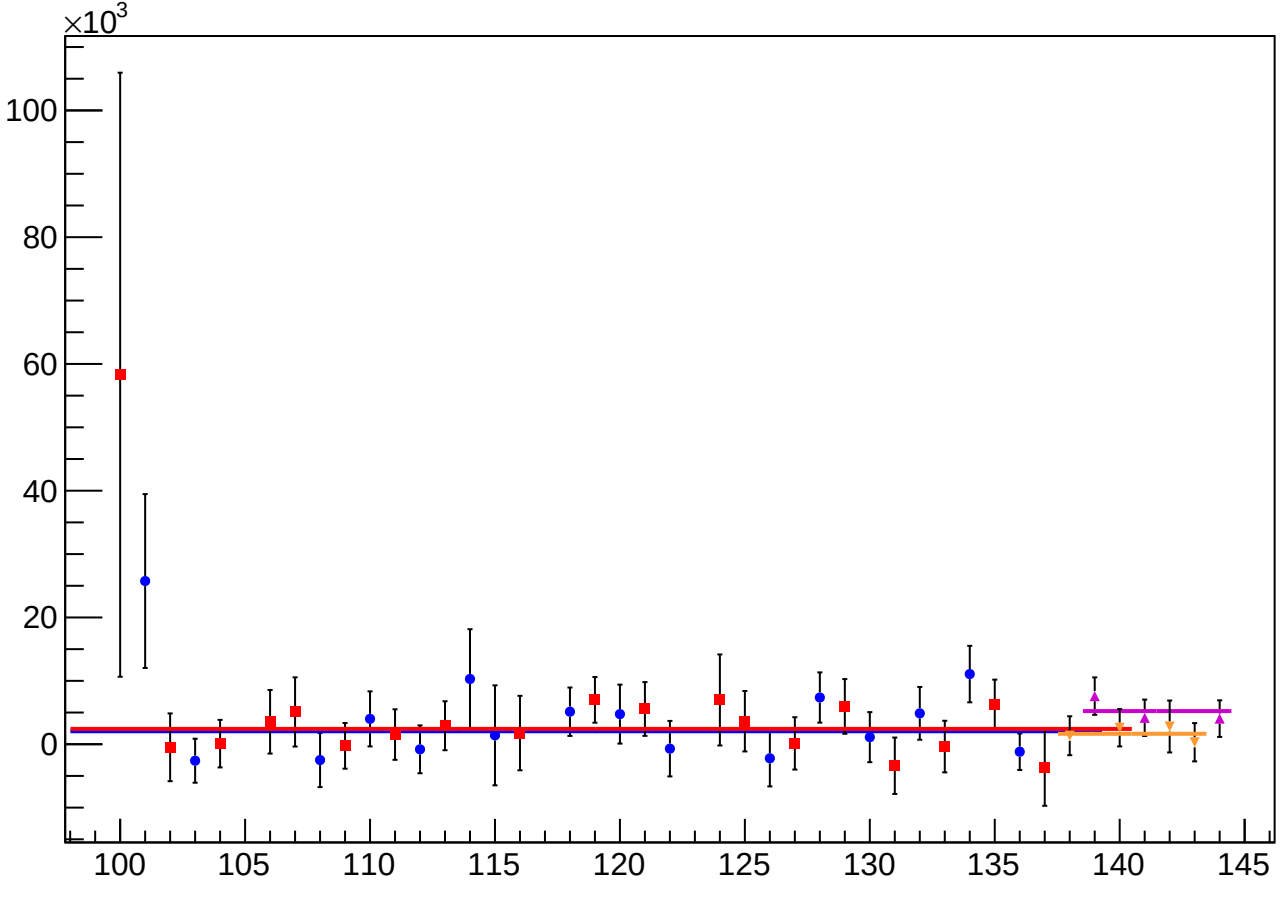
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 644.149+/-0.157 χ^2/NDF:2709019.0/18

Out: 607.951+/-0.145 χ^2/NDF:2436755.1/22

All: 624.649+/-0.107 χ^2/NDF: 5174459.1/41

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5228.689+/-1676.907 χ^2/NDF:0.9/2

Left: 3353.769+/-1157.743 χ^2/NDF: 3.7/6

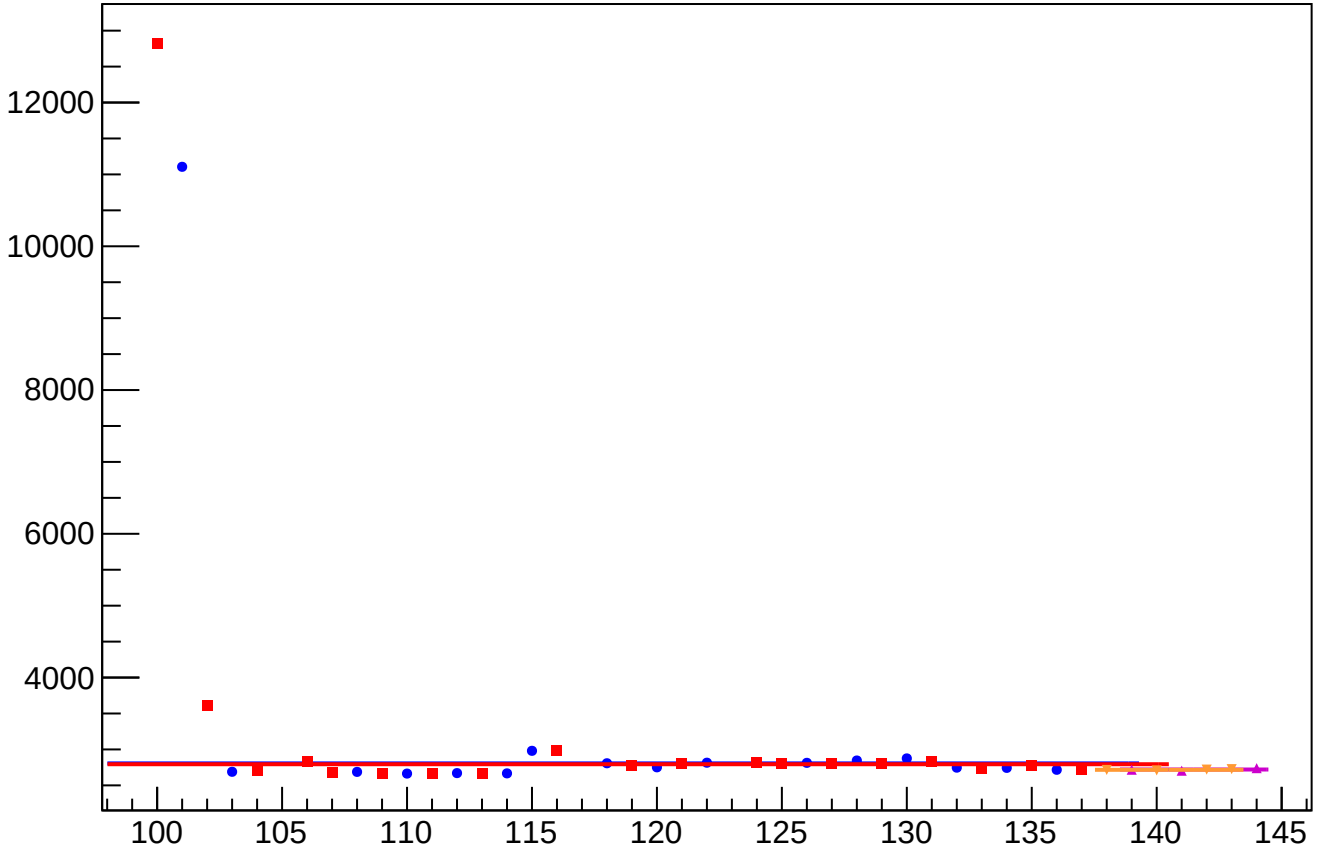
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2969.277+/-902.253 χ^2/NDF:21.3/18

Out: 2189.412+/-870.775 χ^2/NDF:11.3/22

All: 2565.503+/-626.564 χ^2/NDF: 33.0/41

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

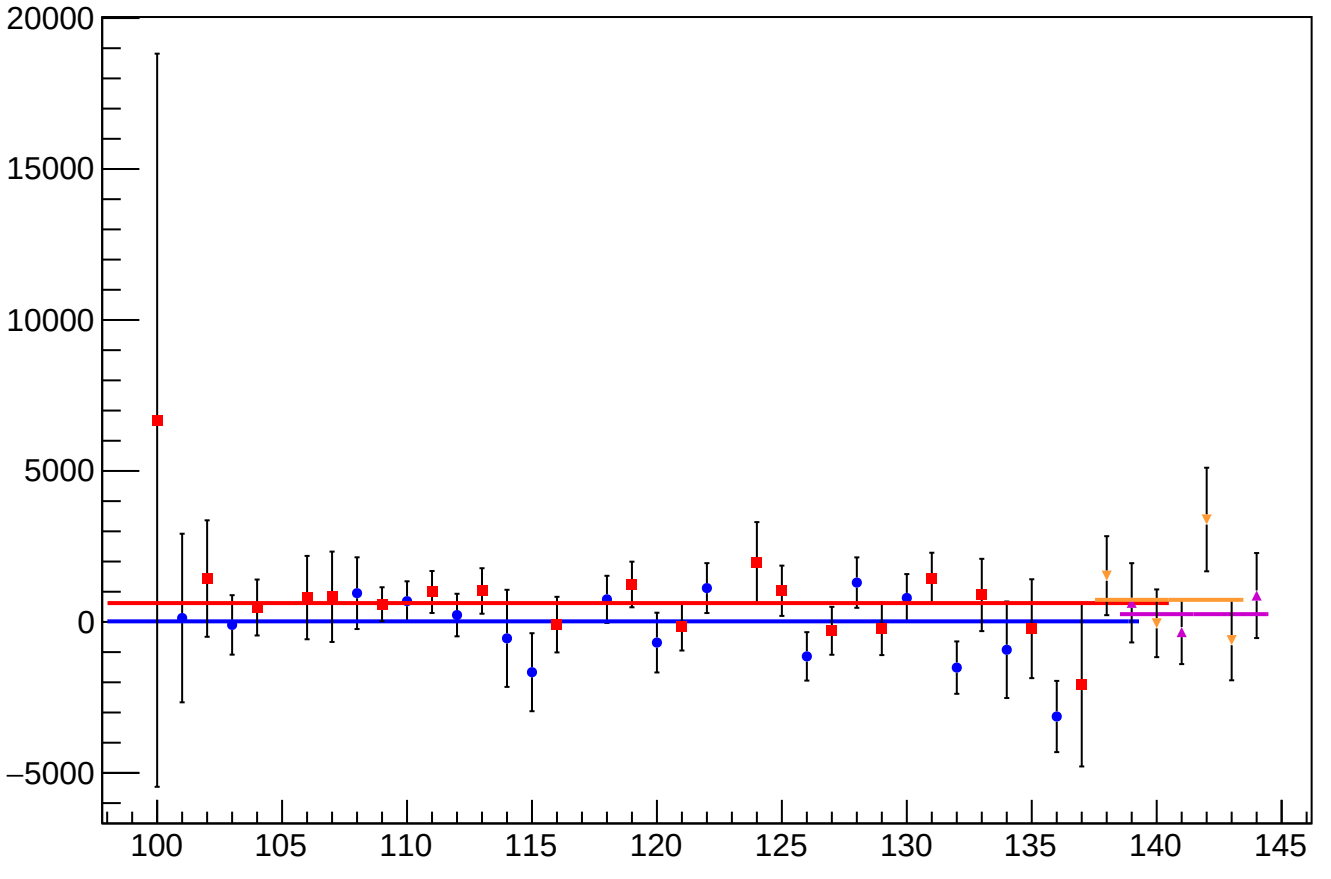
Left: 2718.417+/-0.819 χ^2/NDF: 195.0/6

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2780.873+/-0.638 χ^2/NDF:750034.0/18

Out: 2771.155+/-0.616 χ^2/NDF:150098.1/22

All: 2775.841+/-0.443 χ^2/NDF: 900252.2/41



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 257.477+/-711.569 χ^2/NDF:0.6/2

Left: 511.779+/-484.527 χ^2/NDF: 5.1/6

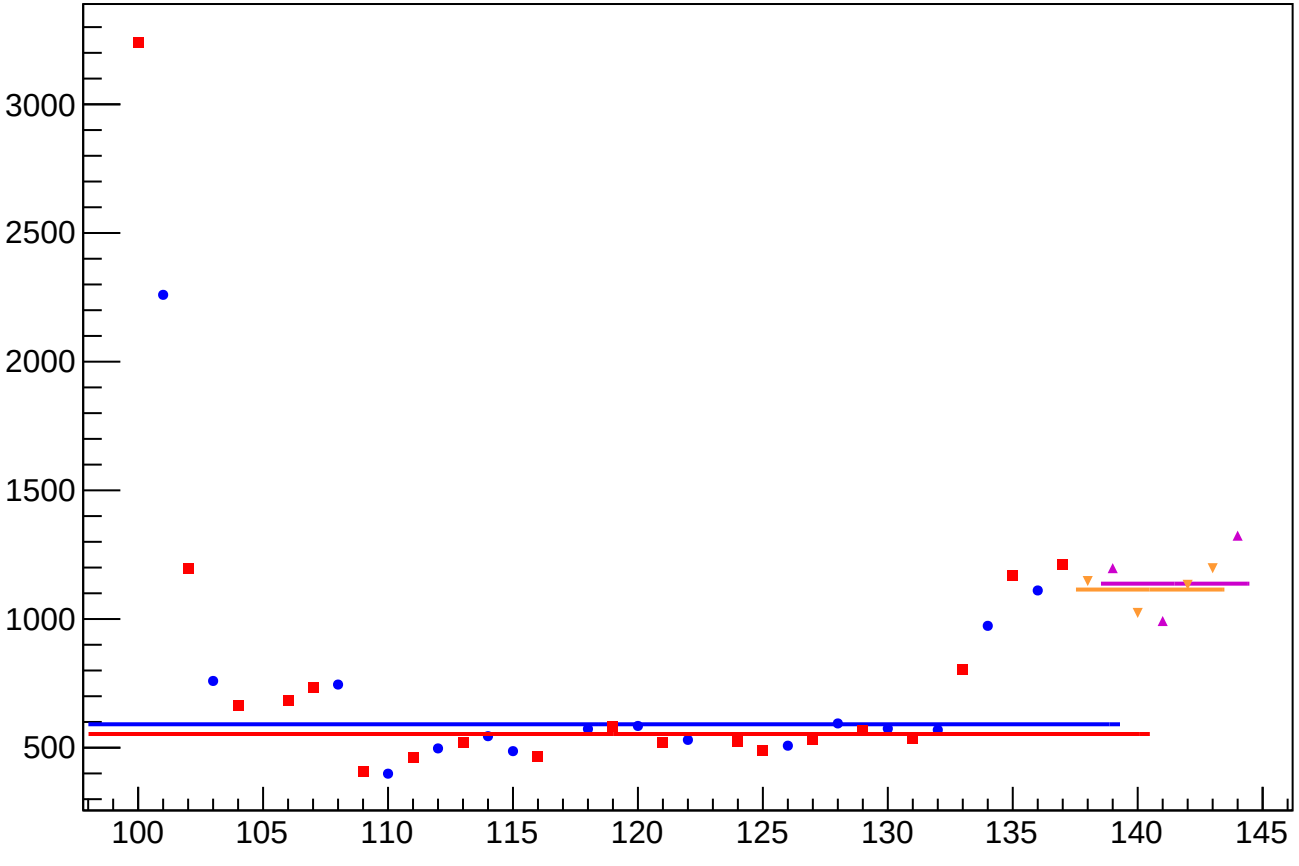
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 42.124+/-221.836 χ^2/NDF:23.4/18

Out: 634.554+/-205.249 χ^2/NDF:13.4/22

All: 361.312+/-150.656 χ^2/NDF: 40.7/41

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1137.416+/-0.503 χ^2/NDF:76798.1/2

Left: 1125.139+/-0.343 χ^2/NDF: 100298.1/6

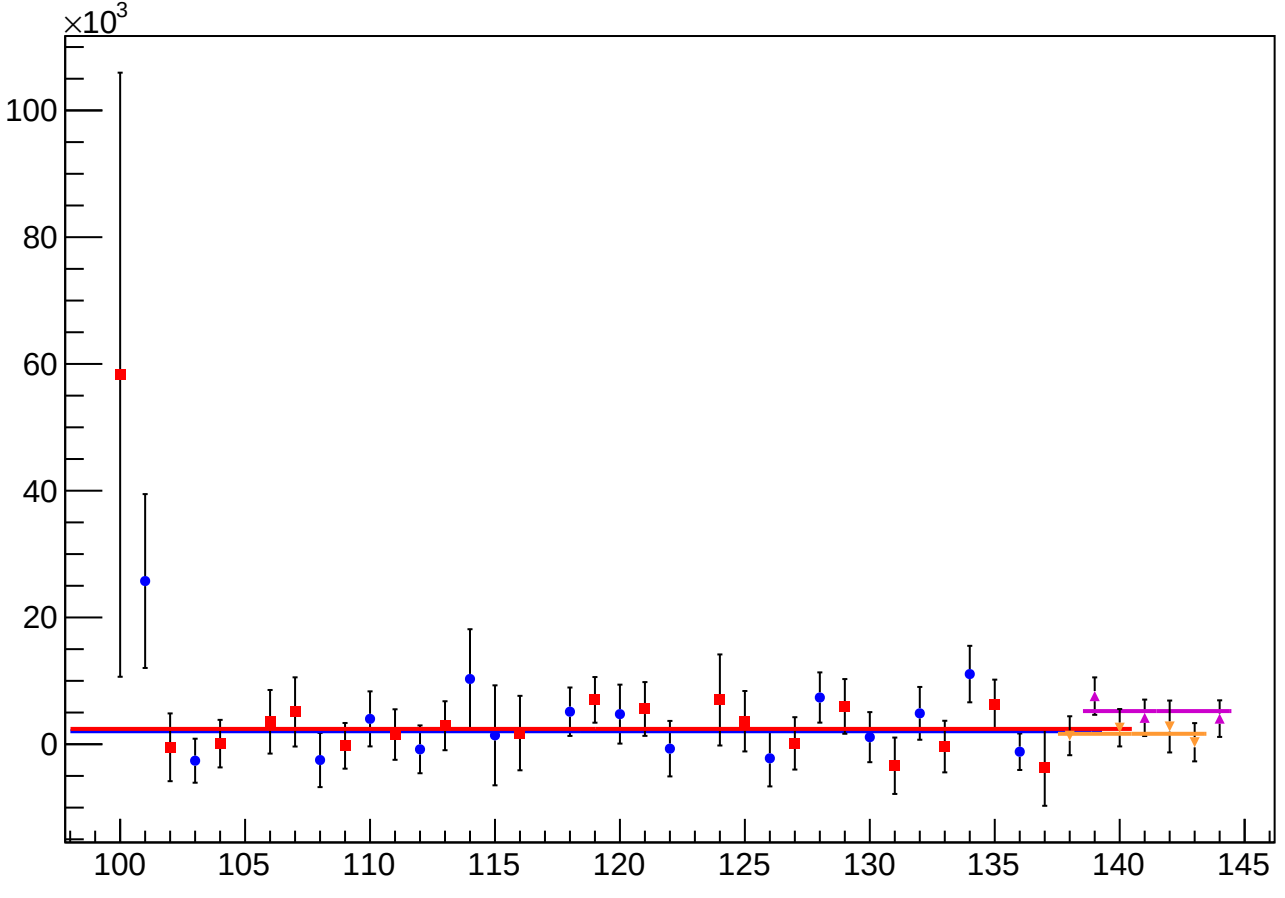
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 644.143+/-0.157 χ^2/NDF:2708005.5/18

Out: 607.253+/-0.145 χ^2/NDF:2424995.0/22

All: 624.267+/-0.107 χ^2/NDF: 5162798.3/41

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5228.689+/-1676.907 χ^2/NDF:0.9/2

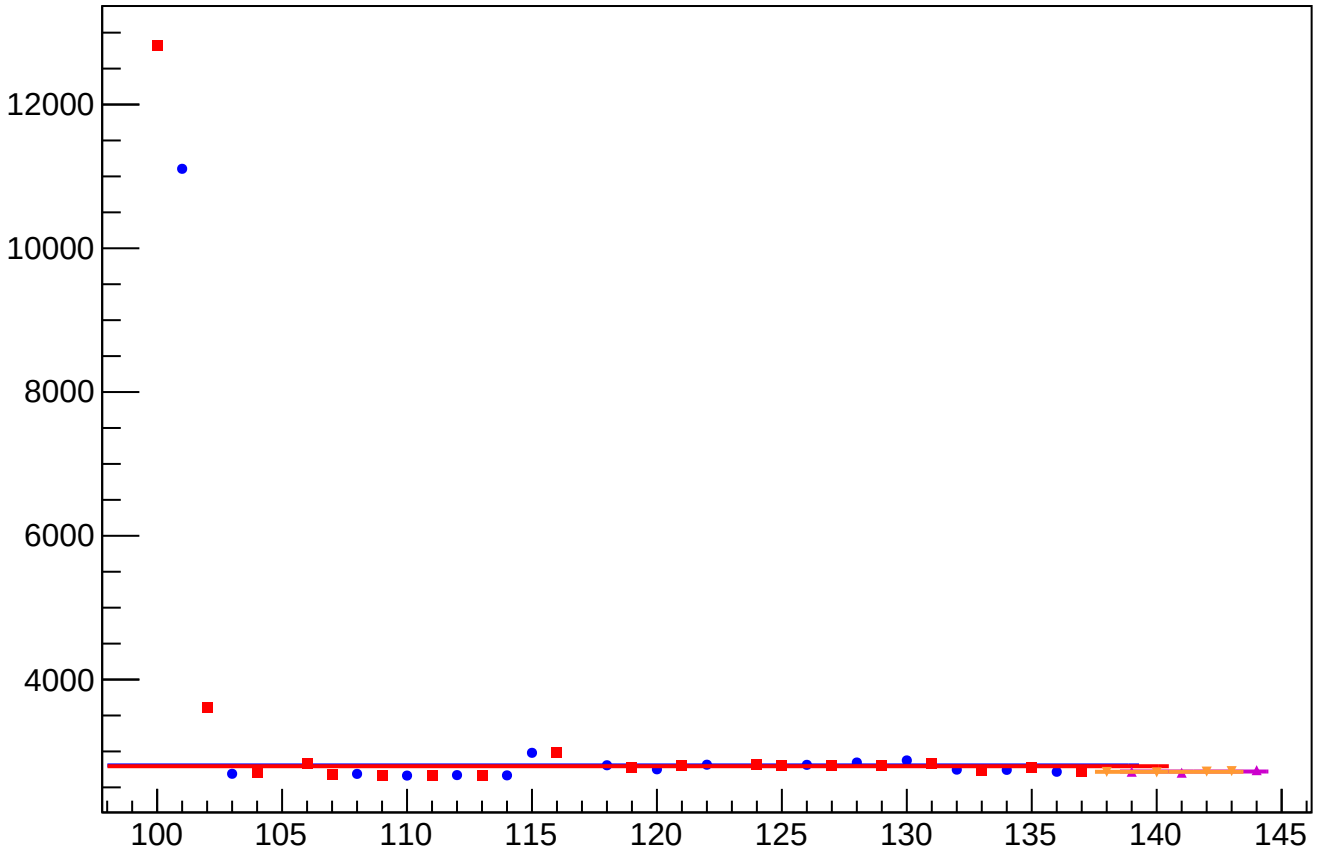
Left: 3353.769+/-1157.743 χ^2/NDF: 3.7/6

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2969.277+/-902.253 χ^2/NDF:21.3/18

Out: 2189.412+/-870.775 χ^2/NDF:11.3/22

All: 2565.503+/-626.564 χ^2/NDF: 33.0/41



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.565+/-1.186 χ^2/NDF:153.4/2

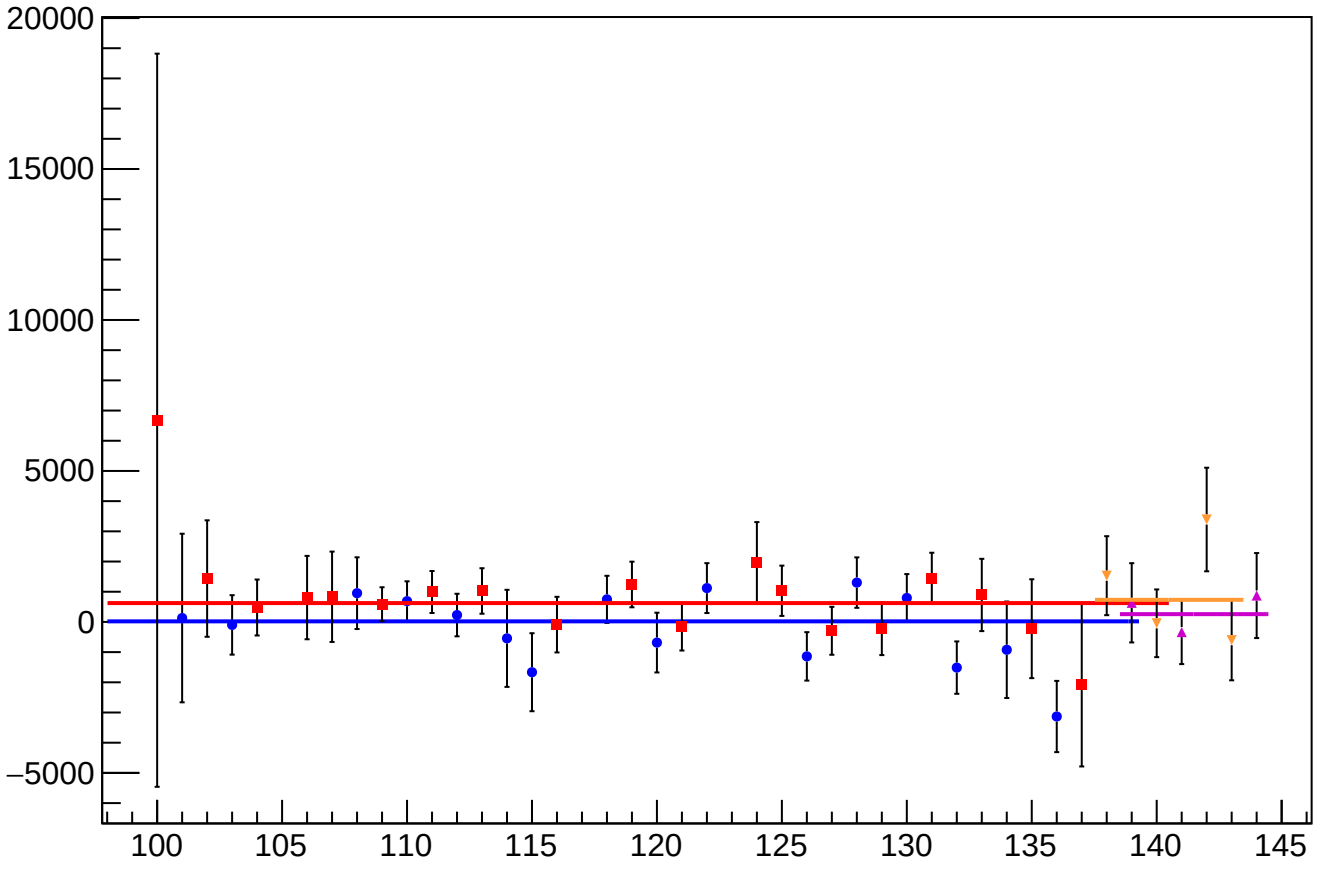
Left: 2718.417+/-0.819 χ^2/NDF: 195.0/6

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2780.873+/-0.638 χ^2/NDF:750034.0/18

Out: 2771.155+/-0.616 χ^2/NDF:150098.1/22

All: 2775.841+/-0.443 χ^2/NDF: 900252.2/41



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 257.477+/-711.569 χ^2/NDF:0.6/2

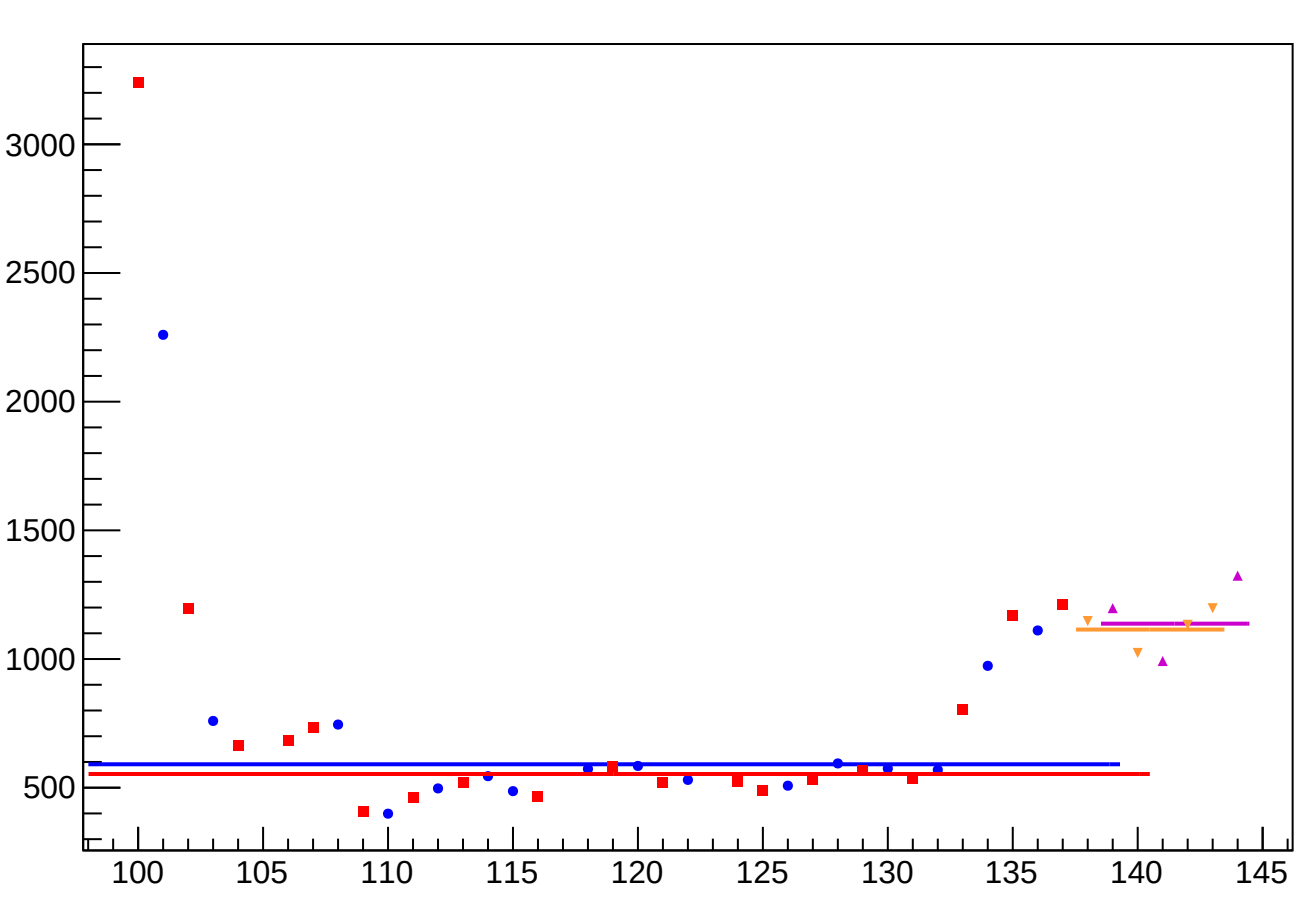
Left: 511.779+/-484.527 χ^2/NDF: 5.1/6

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 42.124+/-221.836 χ^2/NDF:23.4/18

Out: 634.554+/-205.249 χ^2/NDF:13.4/22

All: 361.312+/-150.656 χ^2/NDF: 40.7/41



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1137.416+/-0.503 χ^2/NDF:76798.1/2

Left: 1125.139+/-0.343 χ^2/NDF: 100298.1/6

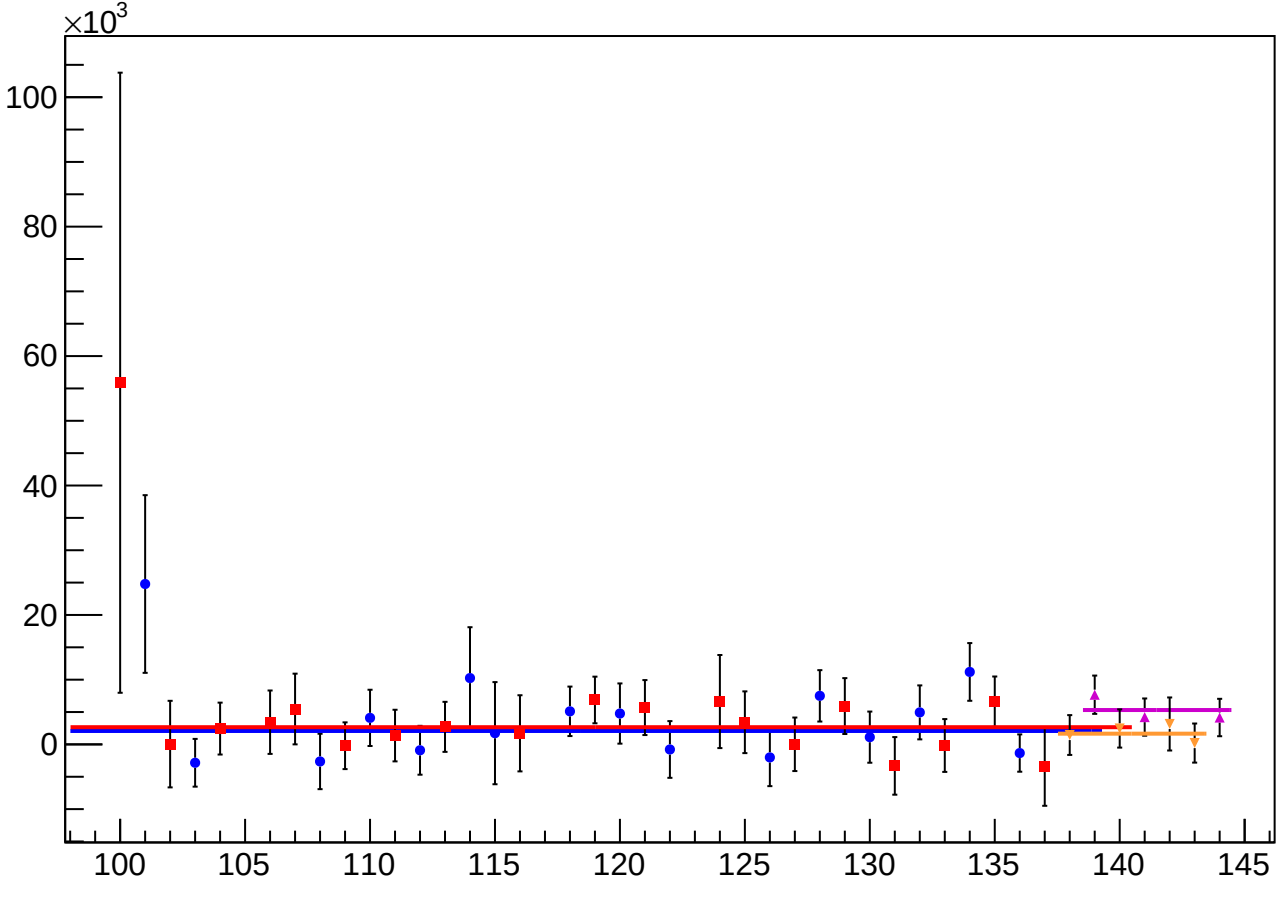
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 644.143+/-0.157 χ^2/NDF:2708005.5/18

Out: 607.253+/-0.145 χ^2/NDF:2424995.0/22

All: 624.267+/-0.107 χ^2/NDF: 5162798.3/41

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.452+/-1602.055 χ^2/NDF:0.4/3

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 5310.208+/-1678.658 χ^2/NDF:0.9/2

Left: 3398.063+/-1158.959 χ^2/NDF: 3.9/6

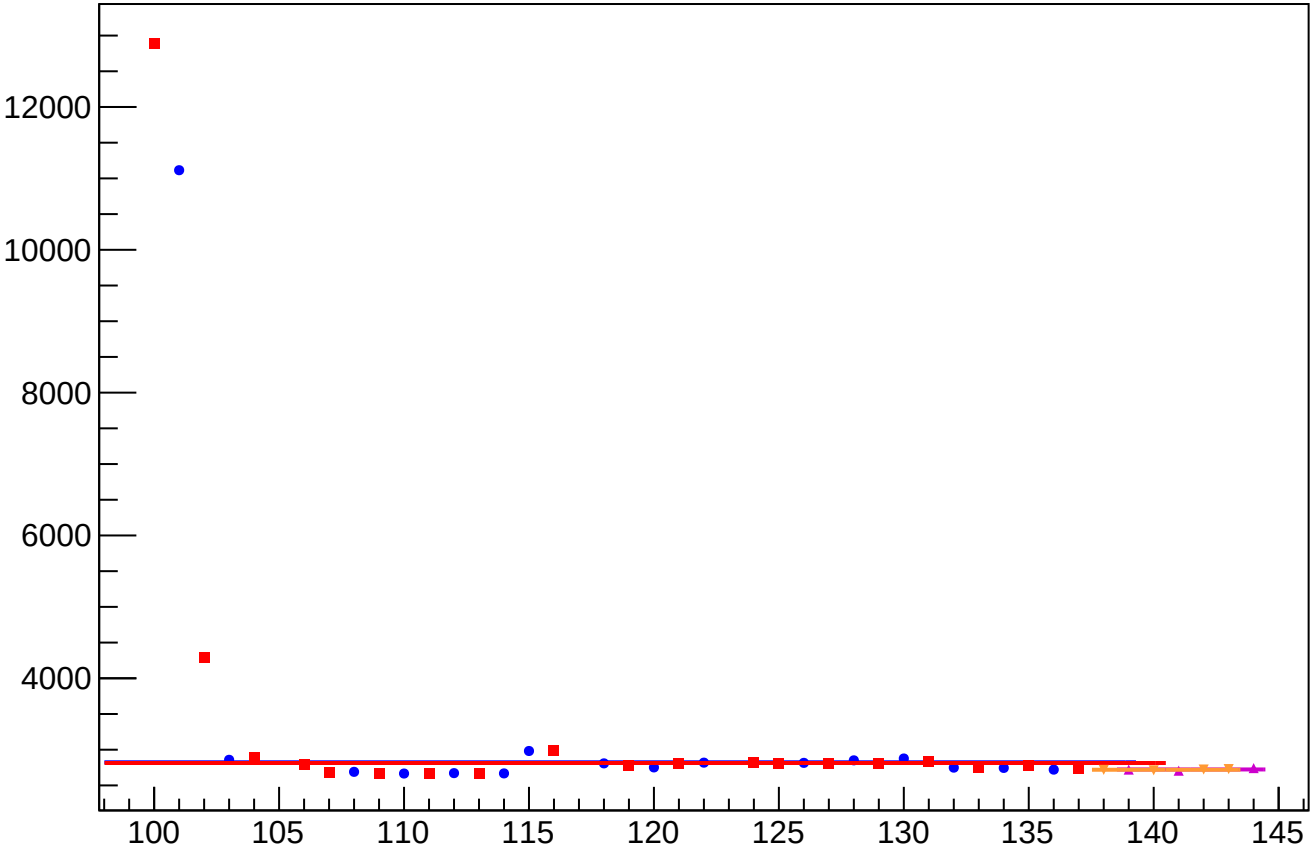
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 3018.444+/-906.582 χ^2/NDF:21.5/18

Out: 2356.615+/-878.112 χ^2/NDF:10.6/22

All: 2676.974+/-630.744 χ^2/NDF: 32.4/41

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2723.369+/-1.187 χ^2/NDF:159.6/2

Left: 2721.250+/-0.820 χ^2/NDF: 201.4/6

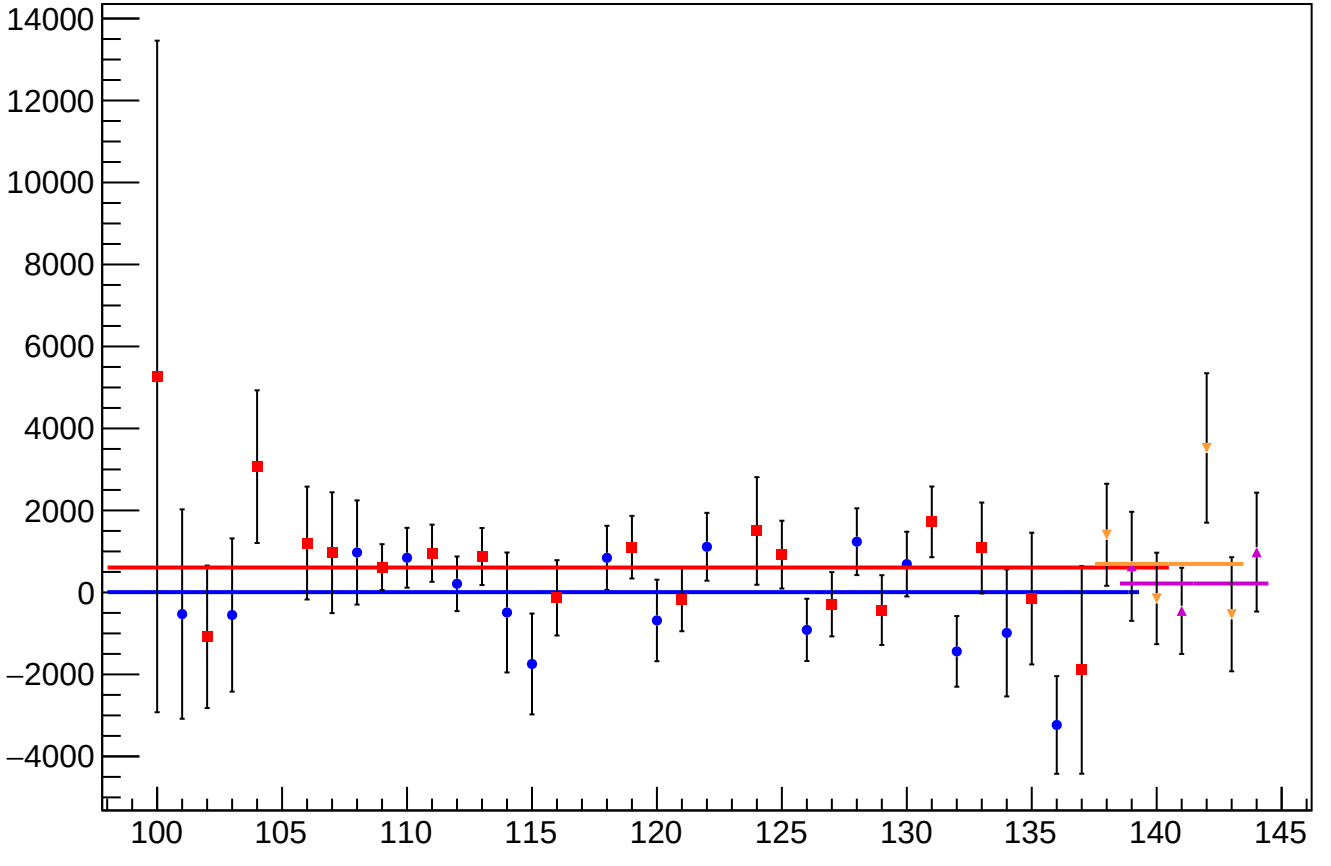
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2794.258+/-0.641 χ^2/NDF:749111.0/18

Out: 2785.430+/-0.621 χ^2/NDF:205416.0/22

All: 2789.703+/-0.446 χ^2/NDF: 954624.8/41

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.443+/-664.247 χ^2/NDF:4.1/3

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 216.961+/-717.267 χ^2/NDF:0.8/2

Left: 474.539+/-487.361 χ^2/NDF: 5.1/6

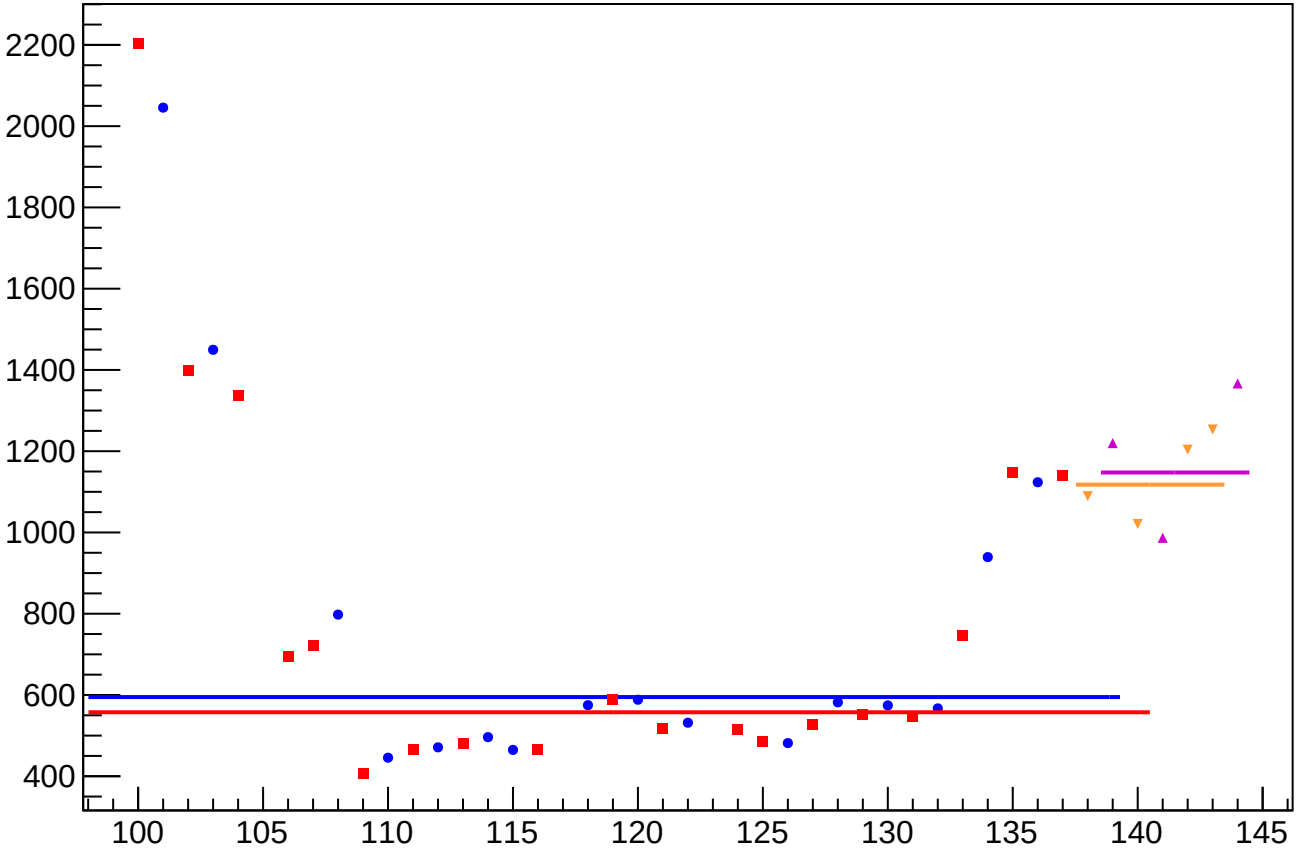
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.782+/-225.423 χ^2/NDF:23.7/18

Out: 616.120+/-206.352 χ^2/NDF:16.3/22

All: 347.886+/-152.209 χ^2/NDF: 43.6/41

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1117.641+/-0.470 χ^2/NDF:39631.9/3

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 1147.597+/-0.507 χ^2/NDF:98258.6/2

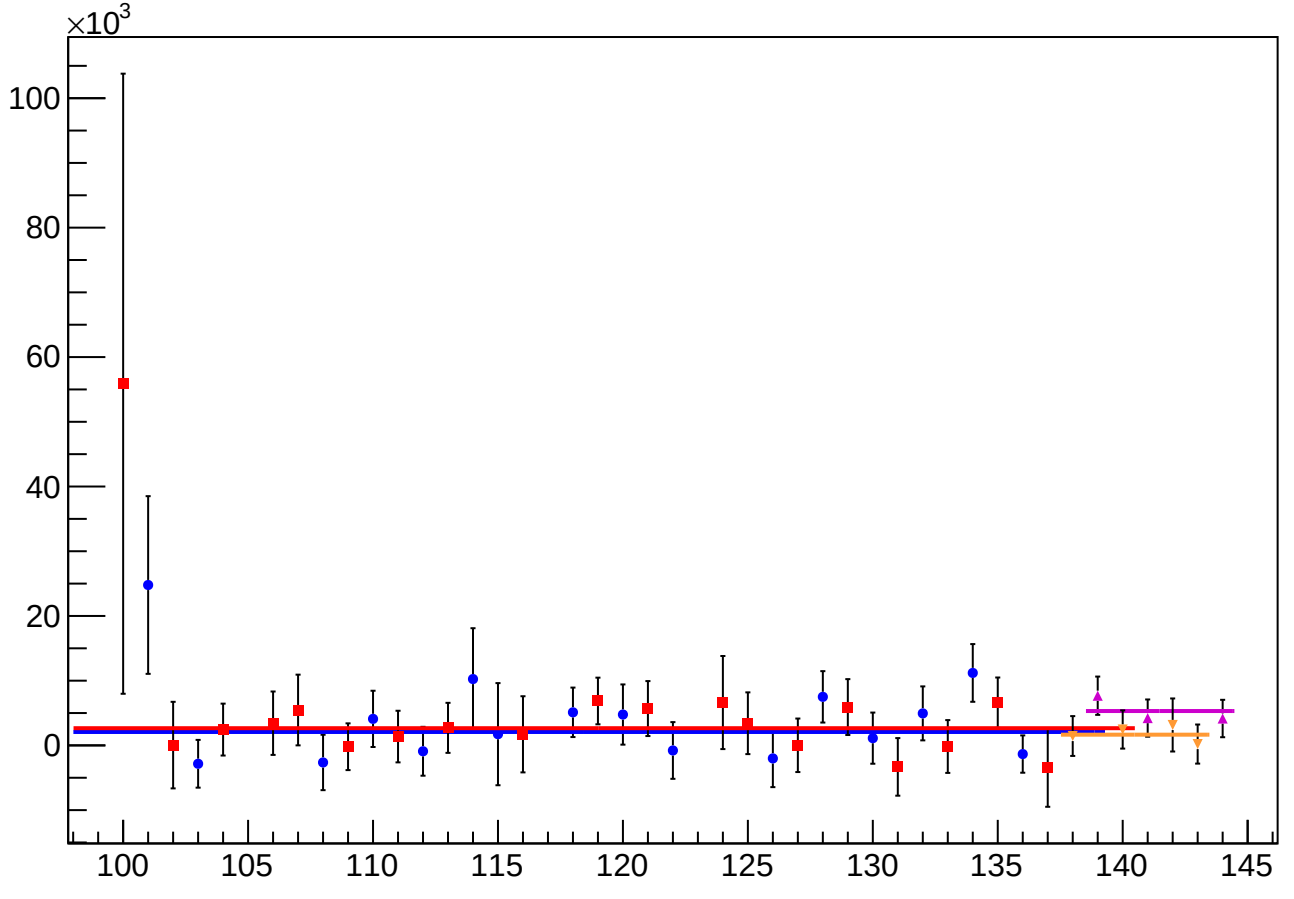
Left: 1131.471+/-0.345 χ^2/NDF: 139768.4/6

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 649.453+/-0.159 χ^2/NDF:3021304.6/18

Out: 611.464+/-0.146 χ^2/NDF:2956375.7/22

All: 628.784+/-0.108 χ^2/NDF: 6008583.4/41



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.453+/-1602.055 χ^2/NDF:0.4/3

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 5310.209+/-1678.658 χ^2/NDF:0.9/2

Left: 3398.064+/-1158.959 χ^2/NDF: 3.9/6

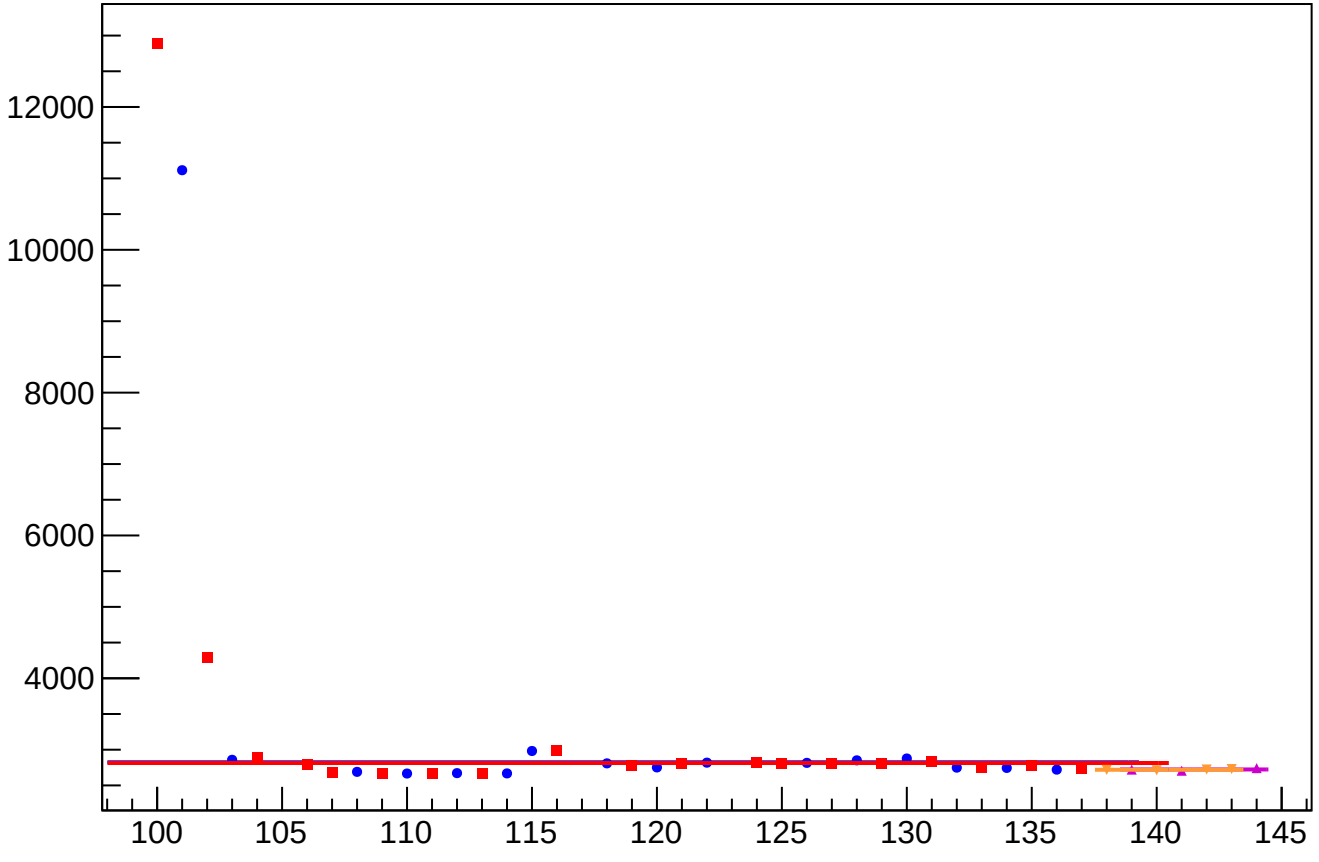
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 3018.444+/-906.582 χ^2/NDF:21.5/18

Out: 2356.614+/-878.112 χ^2/NDF:10.6/22

All: 2676.974+/-630.744 χ^2/NDF: 32.4/41

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2723.369+/-1.187 χ^2/NDF:159.6/2

Left: 2721.250+/-0.820 χ^2/NDF: 201.4/6

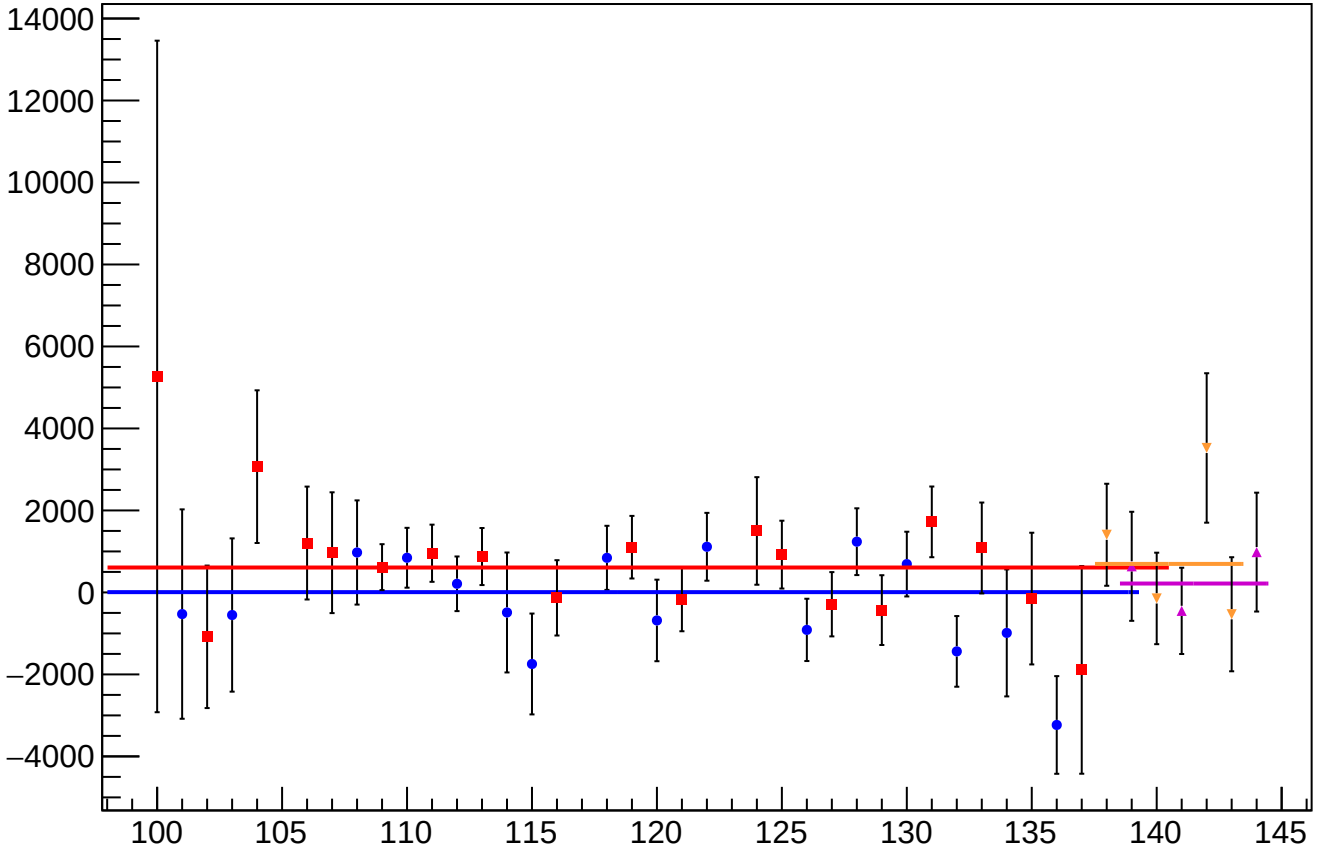
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2794.258+/-0.641 χ^2/NDF:749111.0/18

Out: 2785.430+/-0.621 χ^2/NDF:205415.7/22

All: 2789.703+/-0.446 χ^2/NDF: 954624.6/41

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.444+/-664.248 χ^2/NDF:4.1/3

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 216.961+/-717.268 χ^2/NDF:0.8/2

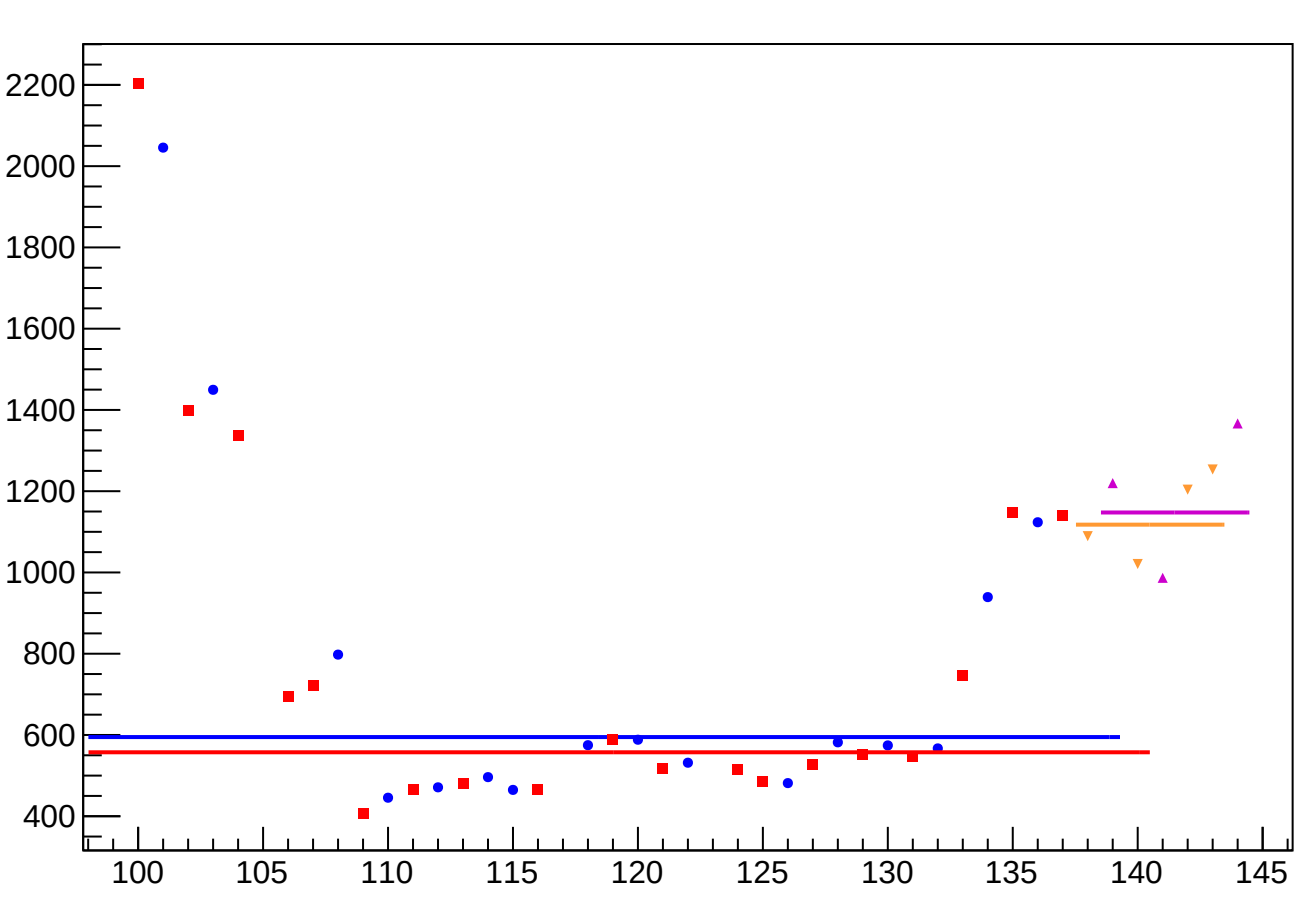
Left: 474.539+/-487.361 χ^2/NDF: 5.1/6

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.782+/-225.423 χ^2/NDF:23.7/18

Out: 616.120+/-206.352 χ^2/NDF:16.3/22

All: 347.887+/-152.210 χ^2/NDF: 43.6/41



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1117.642+/-0.470 χ^2/NDF:39632.6/3

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 1147.597+/-0.507 χ^2/NDF:98259.4/2

Left: 1131.471+/-0.345 χ^2/NDF: 139769.8/6

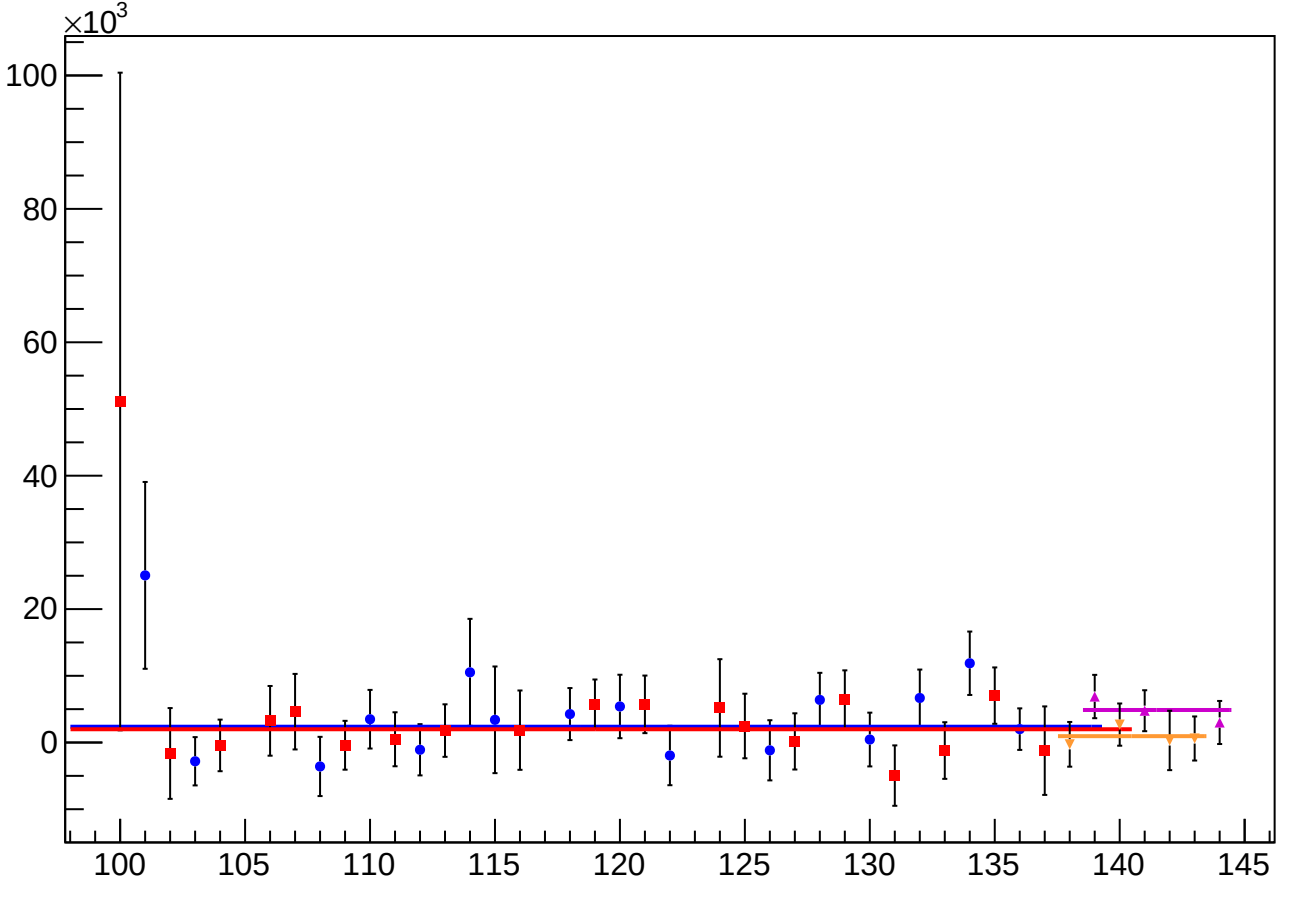
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 649.453+/-0.159 χ^2/NDF:3021298.9/18

Out: 611.465+/-0.146 χ^2/NDF:2956373.7/22

All: 628.784+/-0.108 χ^2/NDF: 6008576.1/41

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 951.341+/-1738.336 χ^2/NDF:0.5/3

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 4875.341+/-1835.661 χ^2/NDF:0.7/2

Left: 2806.564+/-1262.194 χ^2/NDF: 3.6/6

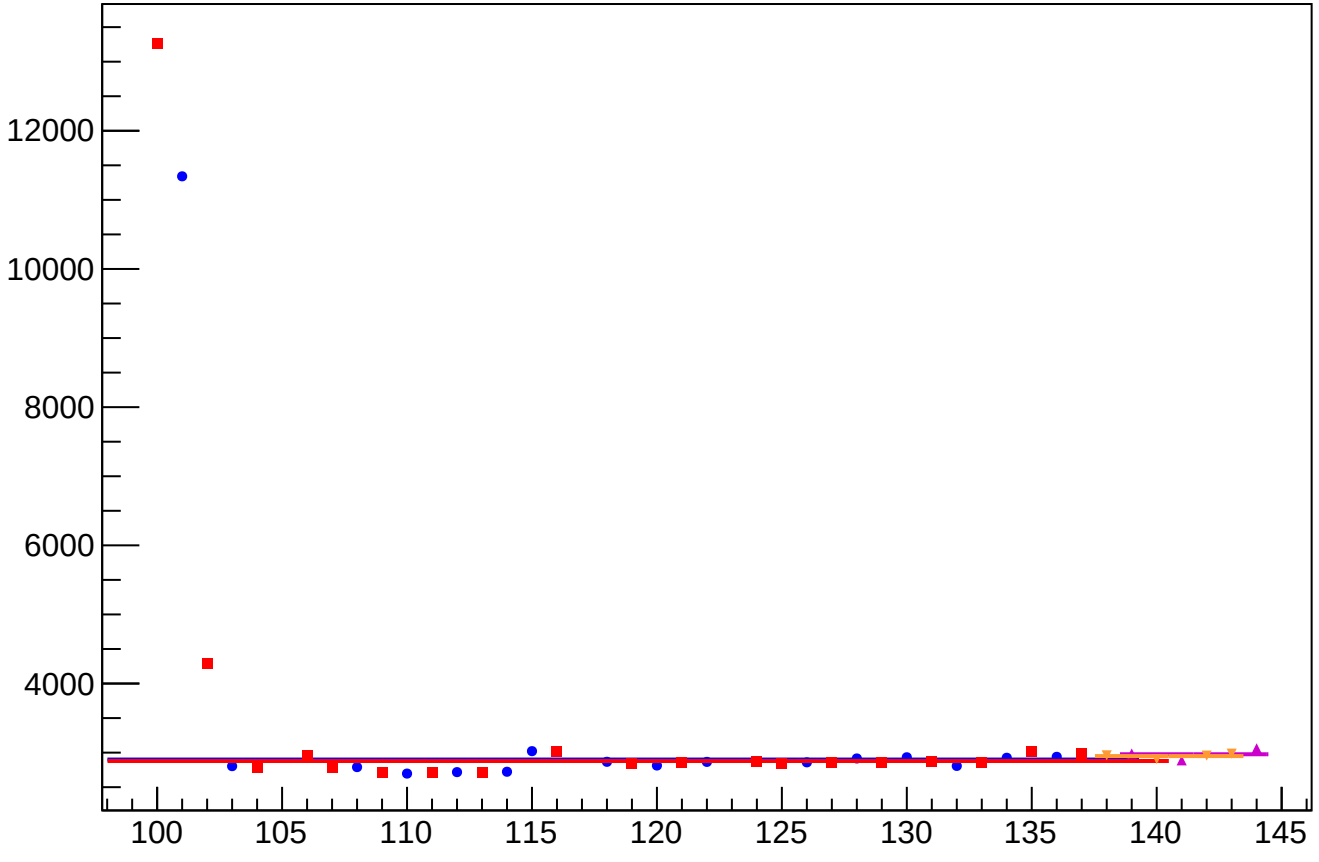
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 3035.360+/-947.465 χ^2/NDF:18.9/18

Out: 1700.409+/-914.488 χ^2/NDF:11.0/22

All: 2344.249+/-657.990 χ^2/NDF: 31.0/41

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2949.995+/-1.229 χ^2/NDF:647.1/3

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2976.284+/-1.298 χ^2/NDF:3095.6/2

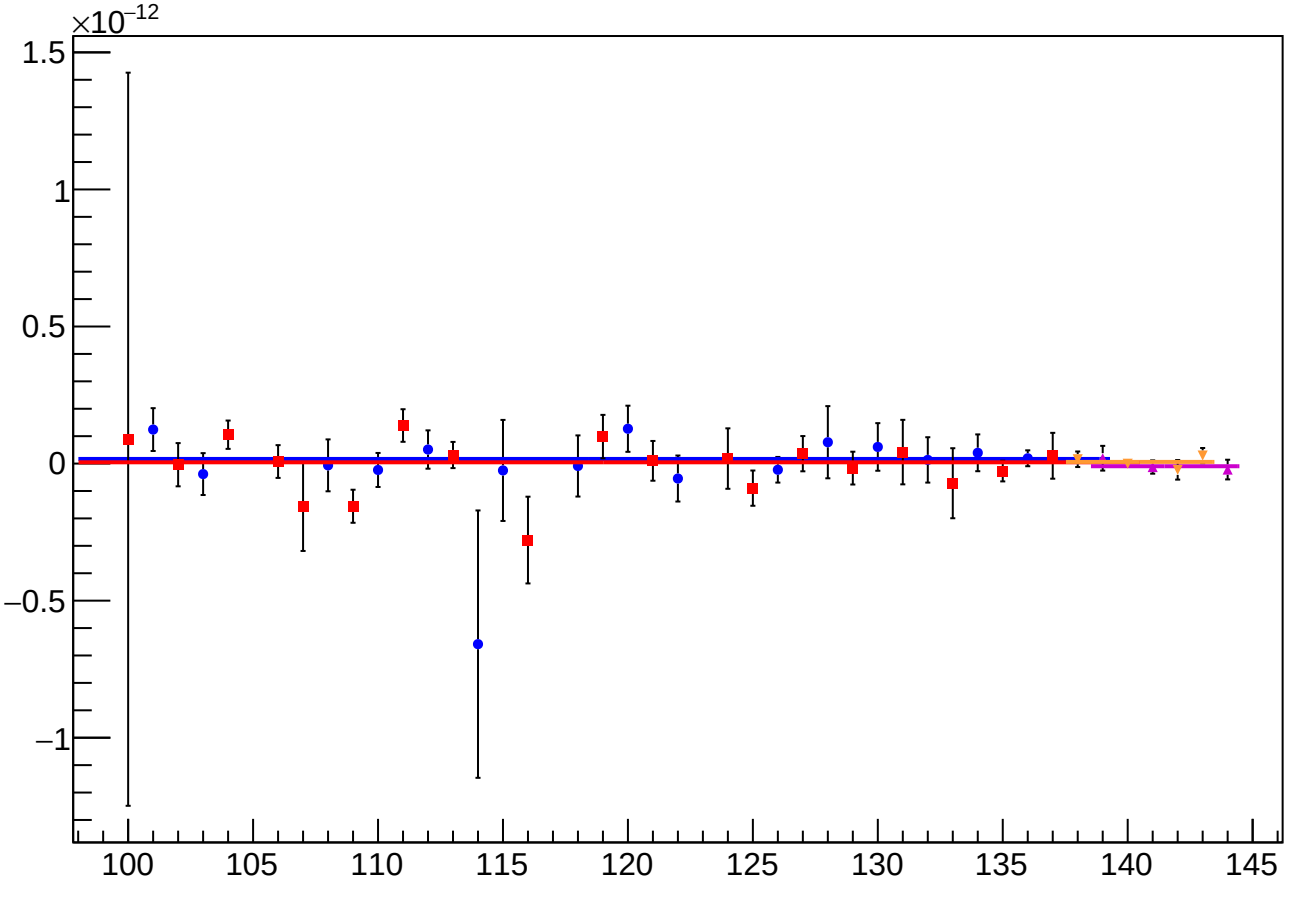
Left: 2962.424+/-0.893 χ^2/NDF: 3959.0/6

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2920.196+/-0.670 χ^2/NDF:747459.0/18

Out: 2898.617+/-0.647 χ^2/NDF:196345.2/22

All: 2909.024+/-0.465 χ^2/NDF: 944341.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/2

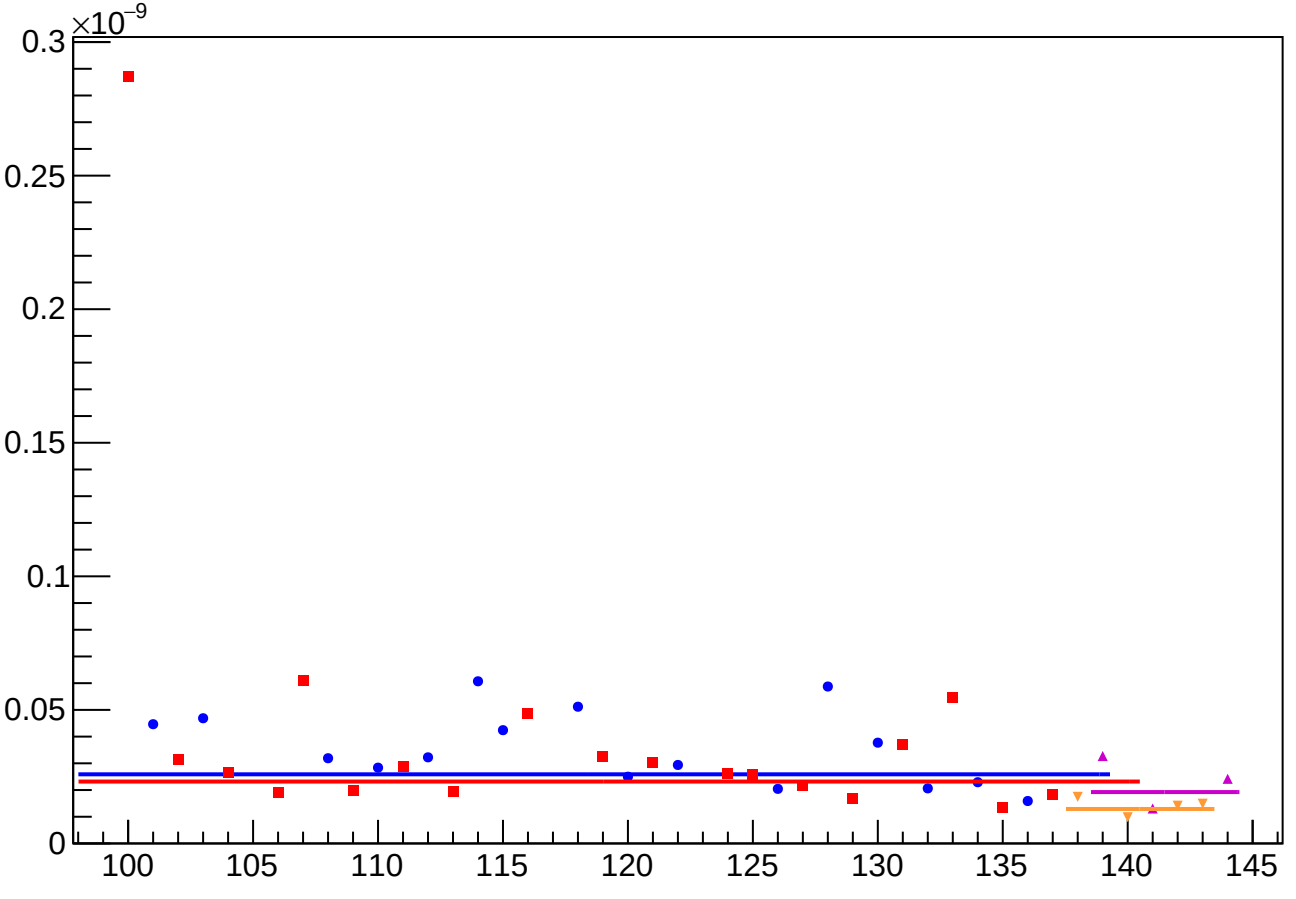
Left: 0.000+/-0.000 χ^2/NDF: 2.7/6

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:10.6/18

Out: 0.000+/-0.000 χ^2/NDF:27.3/22

All: 0.000+/-0.000 χ^2/NDF: 37.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:120477.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:346290.8/2

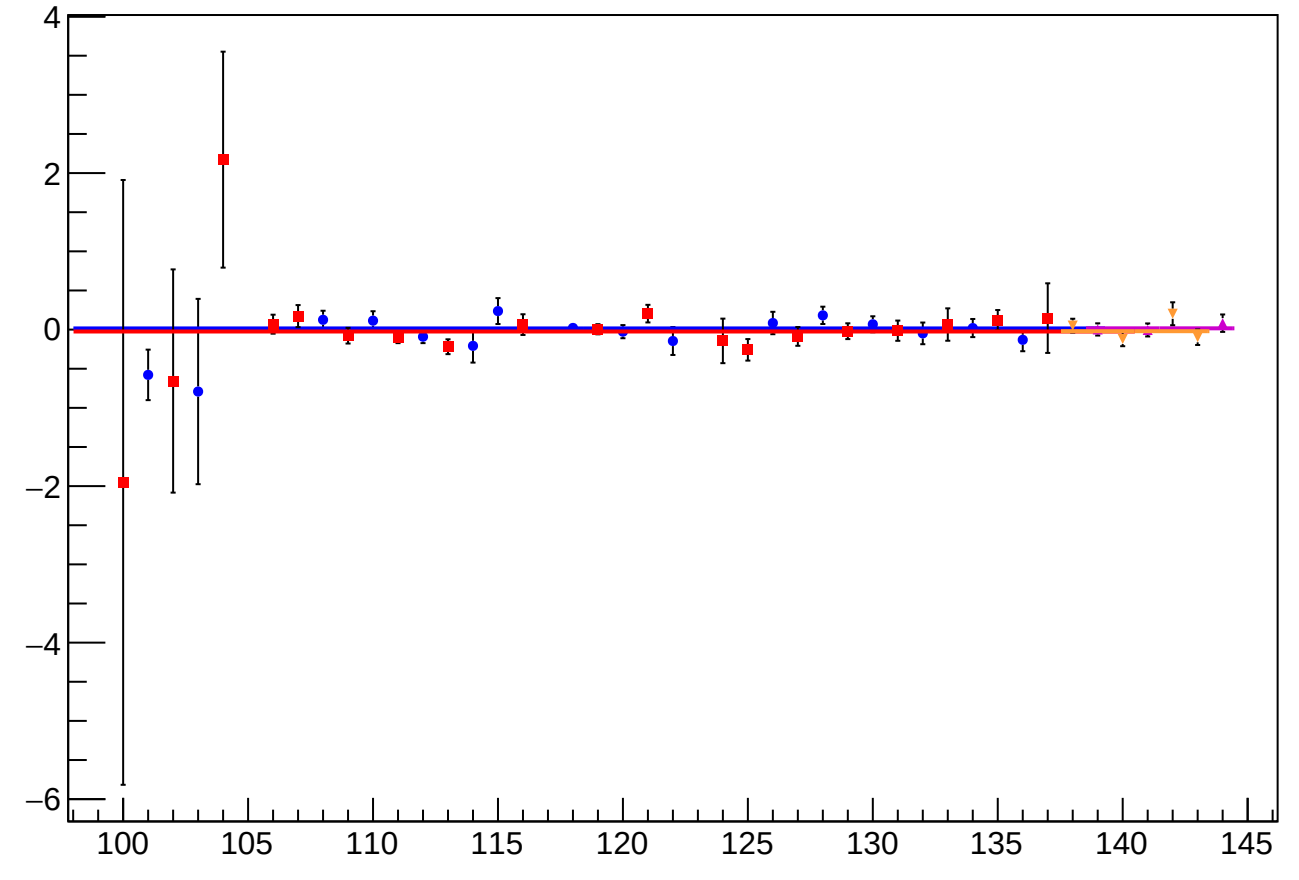
Left: 0.000+/-0.000 χ^2/NDF: 628070.0/6

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1353957.5/18

Out: 0.000+/-0.000 χ^2/NDF:1329364.5/22

All: 0.000+/-0.000 χ^2/NDF: 2960842.8/41



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.016+/-0.051 χ^2/NDF:0.4/2

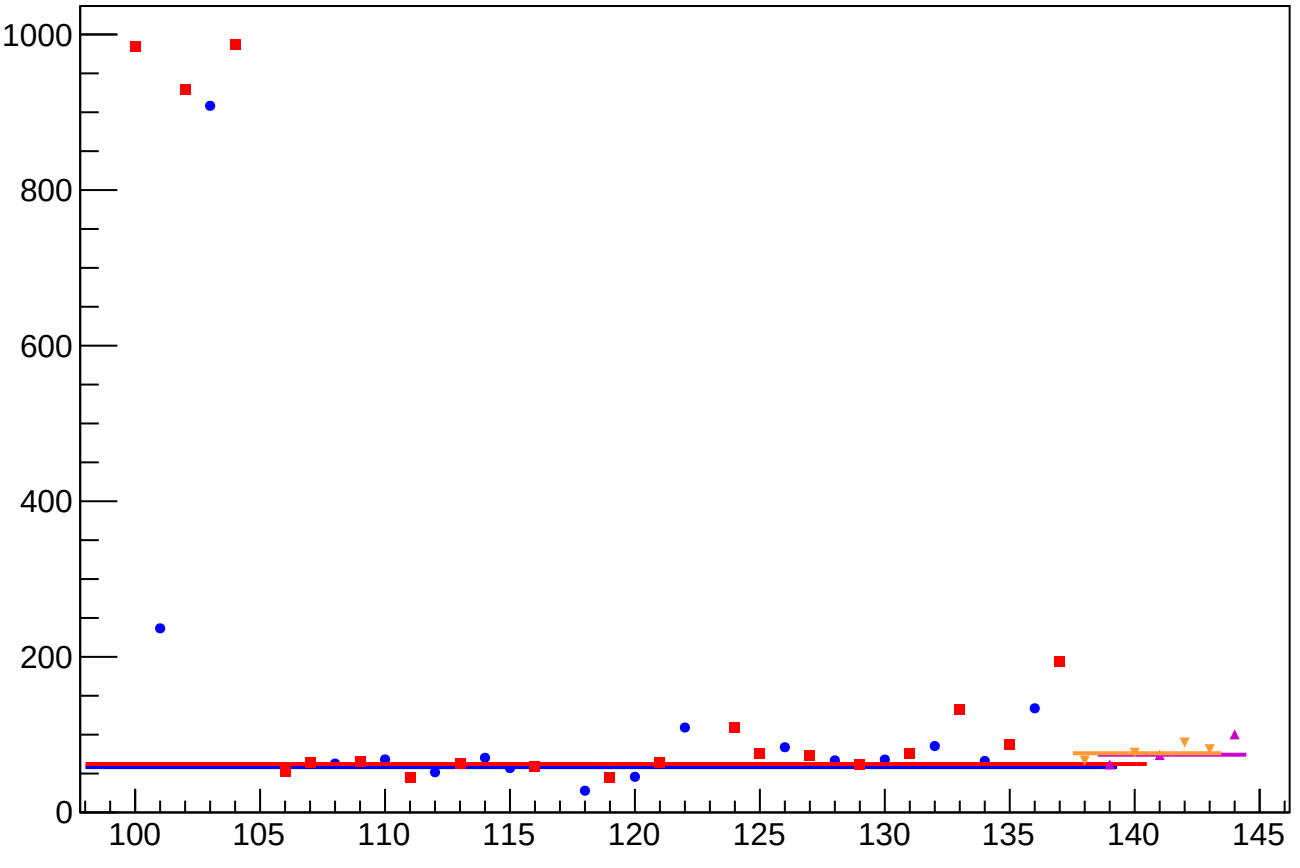
Left: -0.002+/-0.036 χ^2/NDF: 5.5/6

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.024 χ^2/NDF:15.5/18

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.004+/-0.017 χ^2/NDF: 42.3/41



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 74.217+/-0.036 χ^2/NDF:162220.0/2

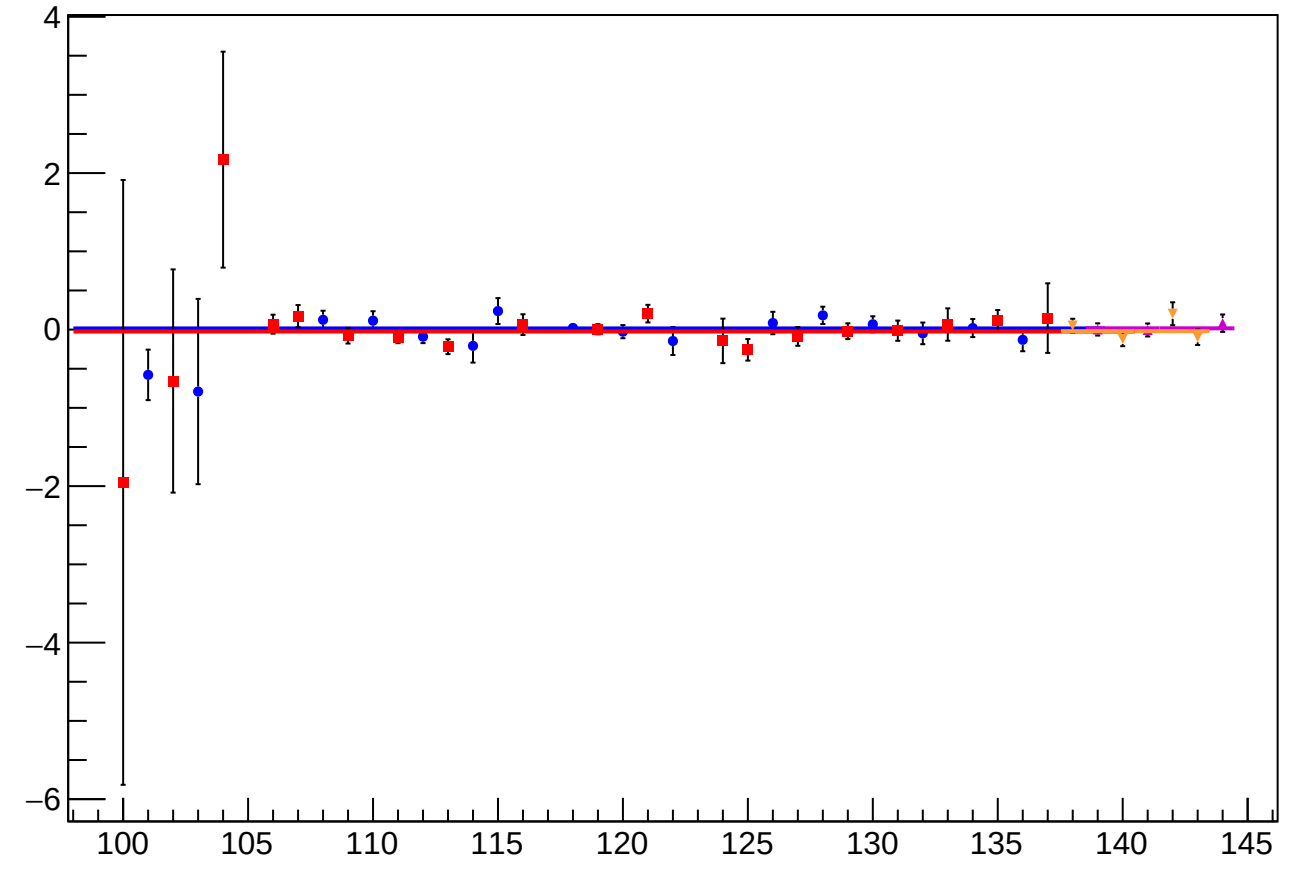
Left: 75.176+/-0.025 χ^2/NDF: 209796.2/6

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.996+/-0.017 χ^2/NDF:3573896.4/18

Out: 65.533+/-0.017 χ^2/NDF:2789723.3/22

All: 63.759+/-0.012 χ^2/NDF: 6384569.9/41



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.016+/-0.051 χ^2/NDF:0.4/2

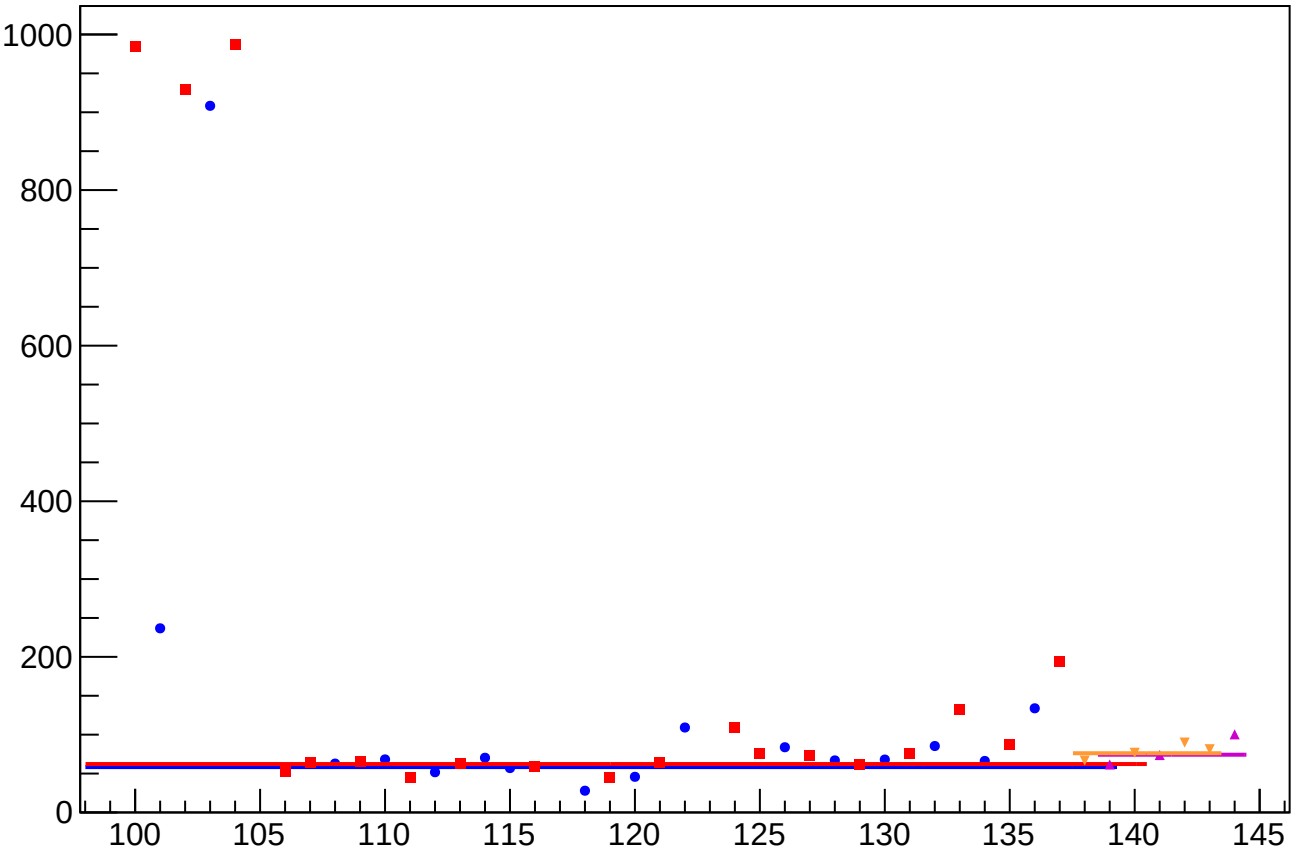
Left: -0.002+/-0.036 χ^2/NDF: 5.5/6

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.024 χ^2/NDF:15.5/18

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.004+/-0.017 χ^2/NDF: 42.3/41



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 74.217+/-0.036 χ^2/NDF:162220.0/2

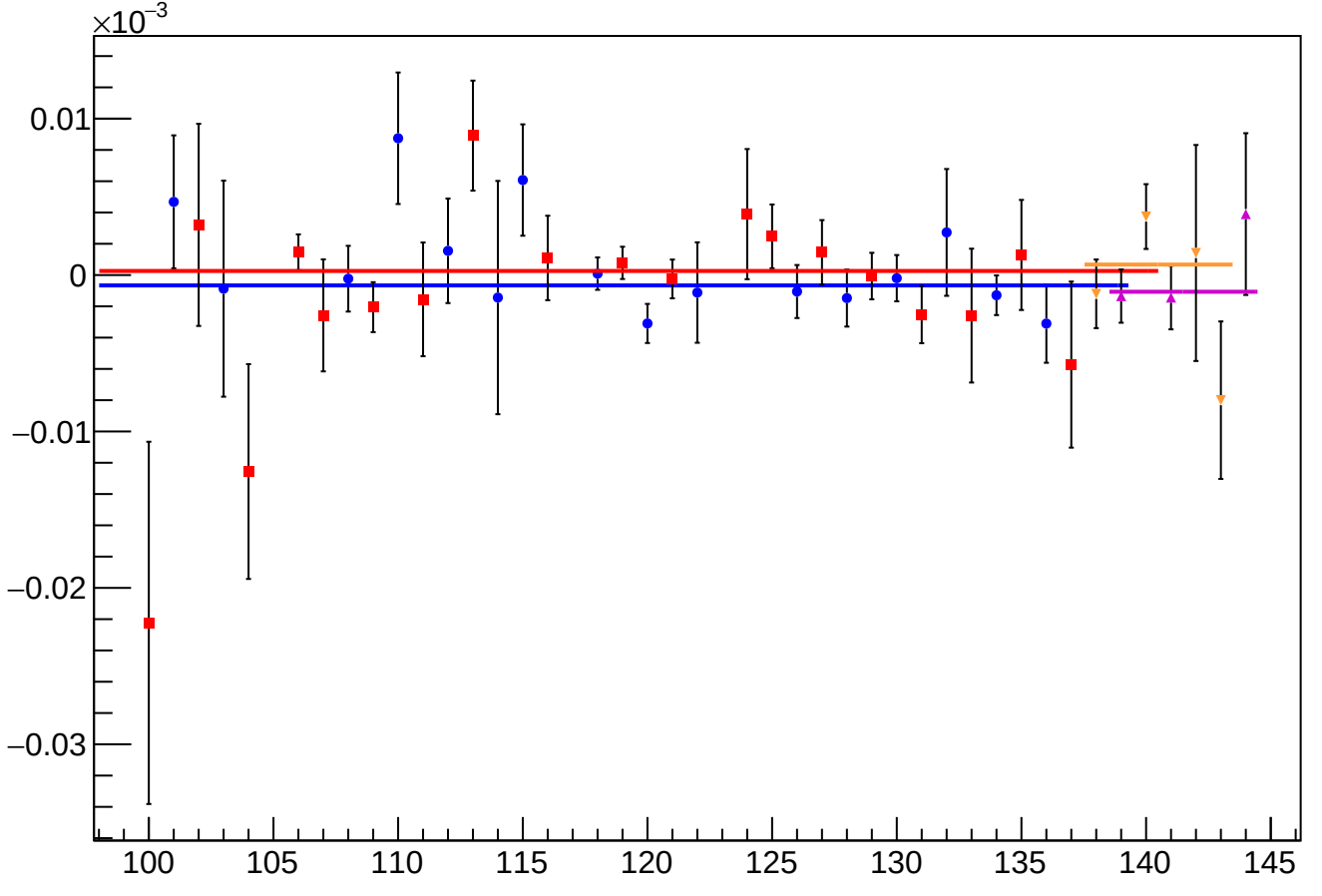
Left: 75.176+/-0.025 χ^2/NDF: 209796.2/6

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.996+/-0.017 χ^2/NDF:3573896.4/18

Out: 65.533+/-0.017 χ^2/NDF:2789723.3/22

All: 63.759+/-0.012 χ^2/NDF: 6384569.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

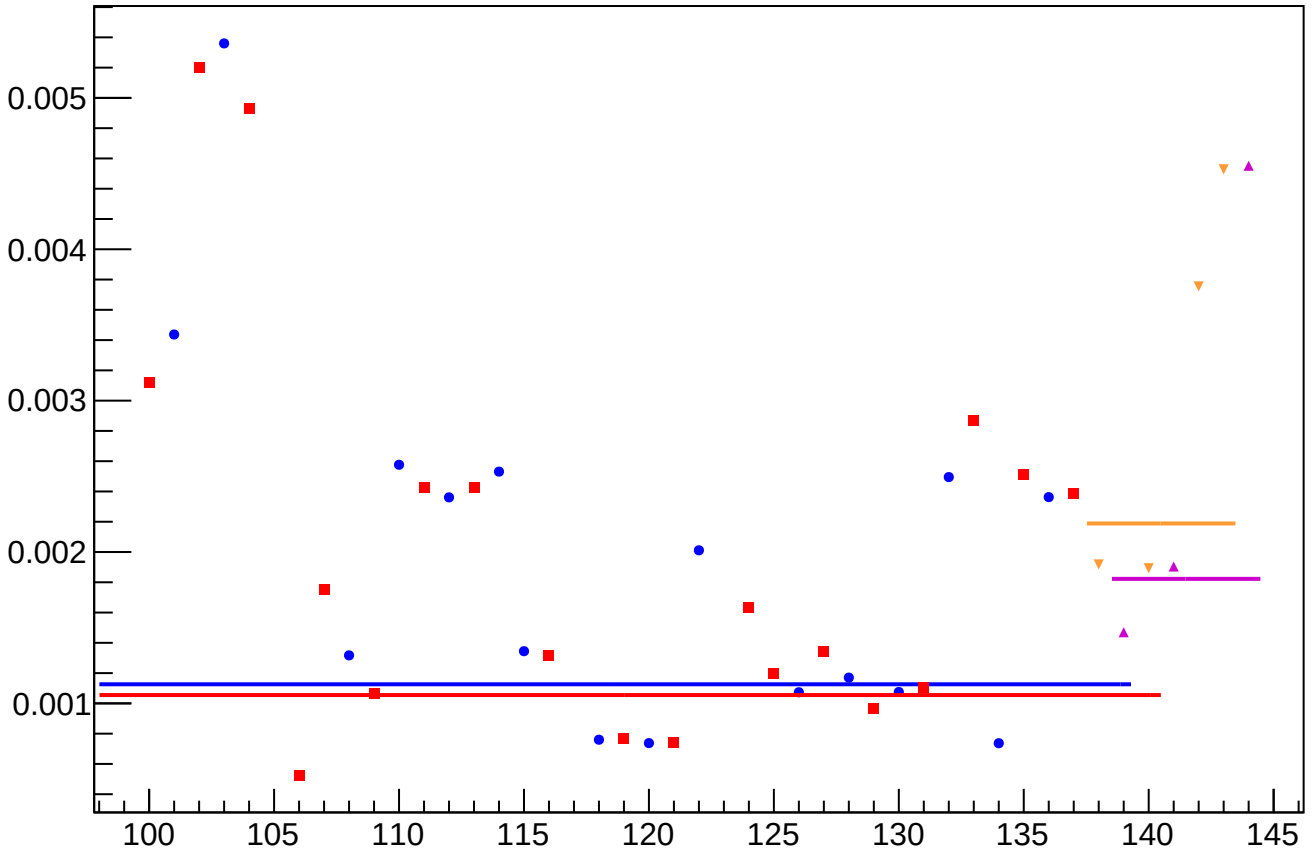
Left: -0.000+/-0.000 χ^2/NDF: 7.7/6

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:18.3/18

Out: 0.000+/-0.000 χ^2/NDF:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 51.4/41



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:606170.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.002+/-0.000 χ^2/NDF:646303.1/2

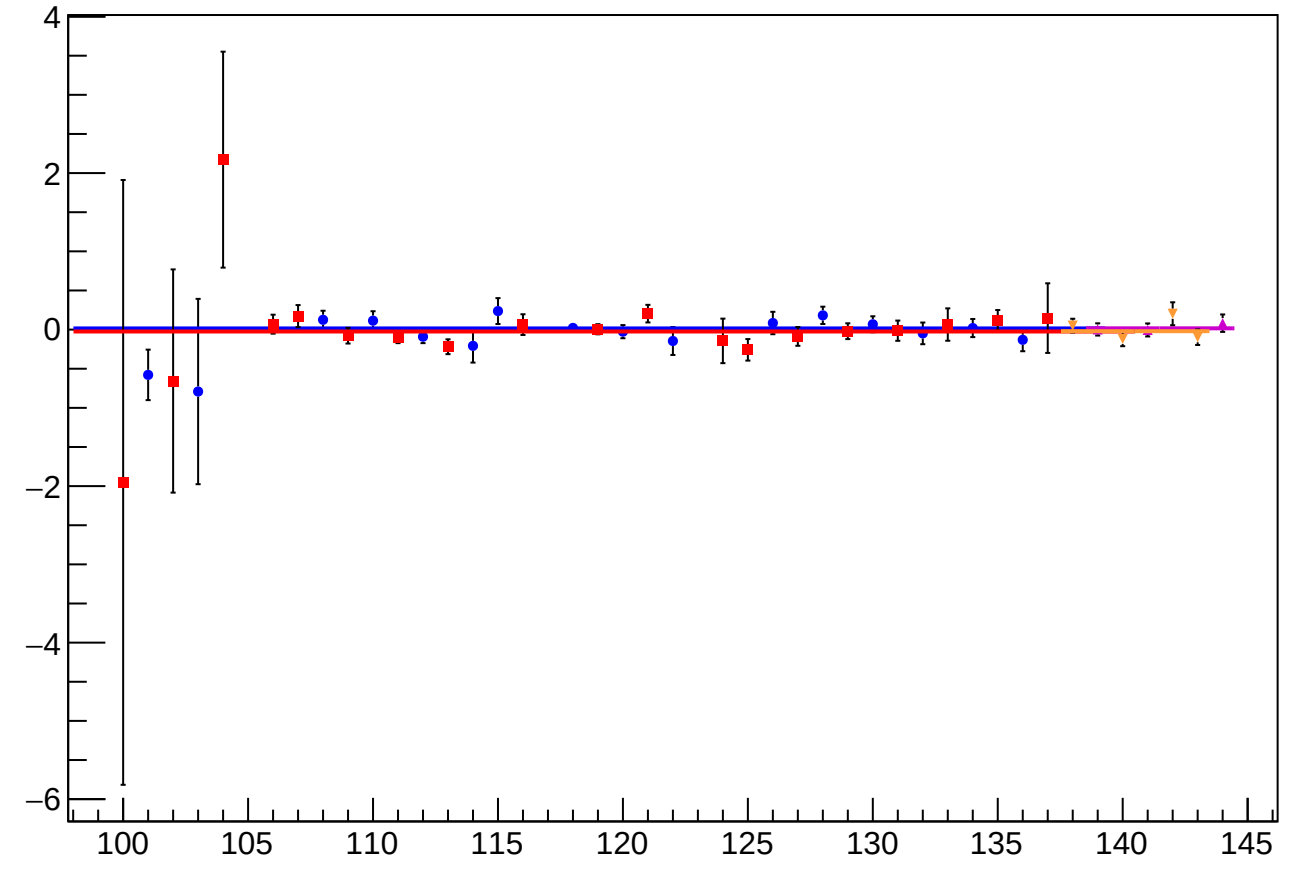
Left: 0.002+/-0.000 χ^2/NDF: 1326940.7/6

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:4626210.6/18

Out: 0.001+/-0.000 χ^2/NDF:5617007.7/22

All: 0.001+/-0.000 χ^2/NDF: 10256257.9/41



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.016+/-0.051 χ^2/NDF:0.4/2

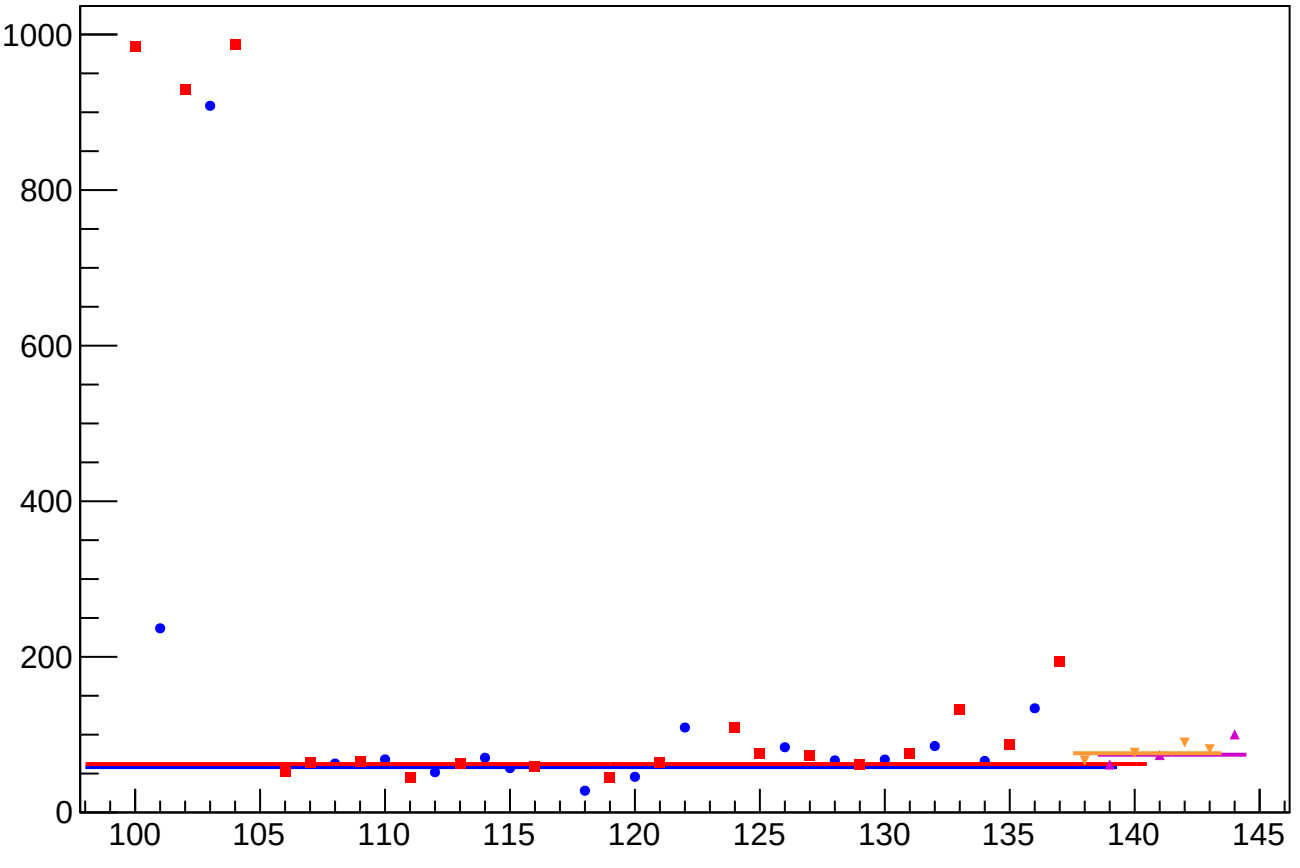
Left: -0.002+/-0.036 χ^2/NDF: 5.5/6

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.024 χ^2/NDF:15.5/18

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.004+/-0.017 χ^2/NDF: 42.3/41



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 76.115+/-0.036 χ^2/NDF:46162.0/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 74.218+/-0.036 χ^2/NDF:162217.6/2

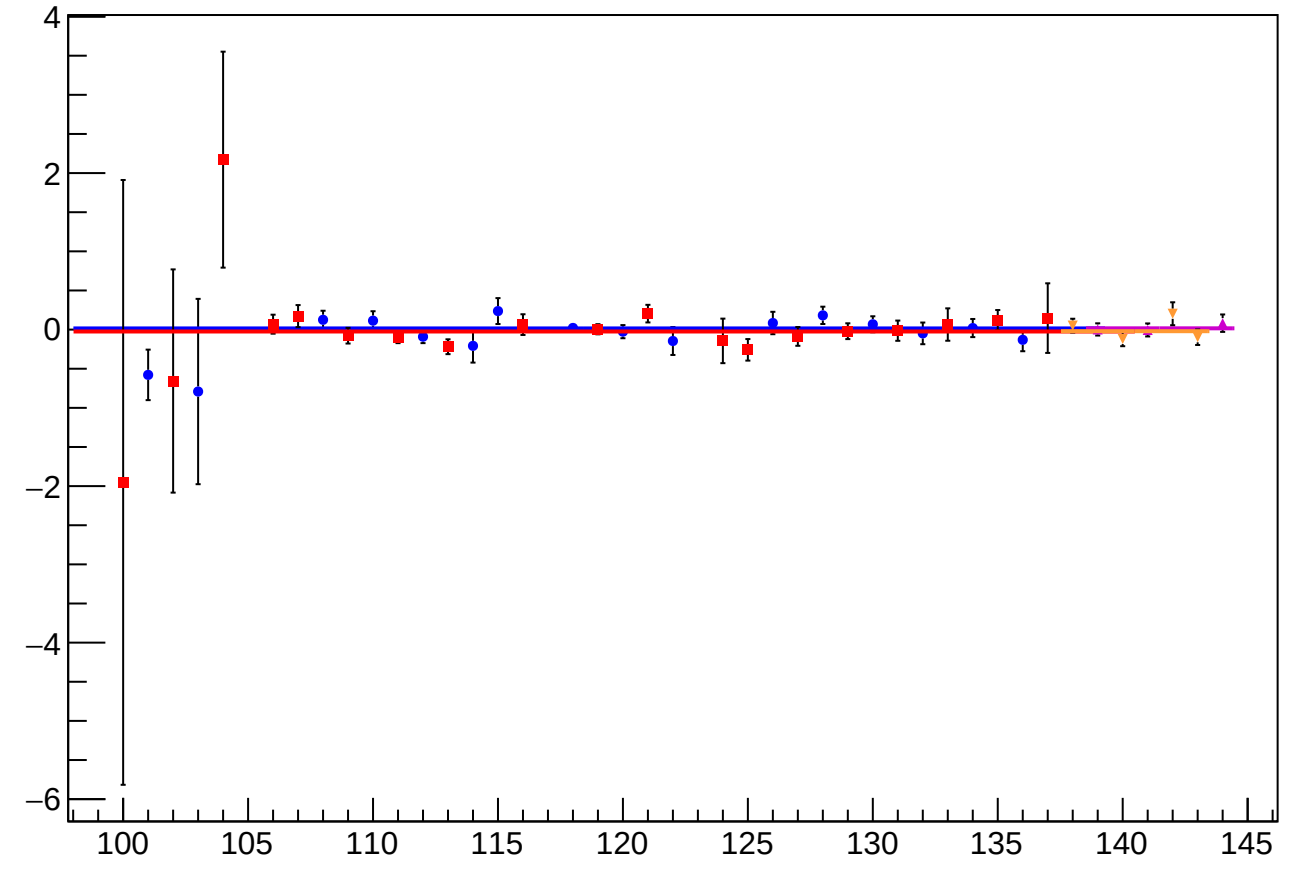
Left: 75.176+/-0.025 χ^2/NDF: 209793.0/6

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.996+/-0.017 χ^2/NDF:3574000.8/18

Out: 65.533+/-0.017 χ^2/NDF:2789708.1/22

All: 63.759+/-0.012 χ^2/NDF: 6384662.6/41



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.016+/-0.051 χ^2/NDF:0.4/2

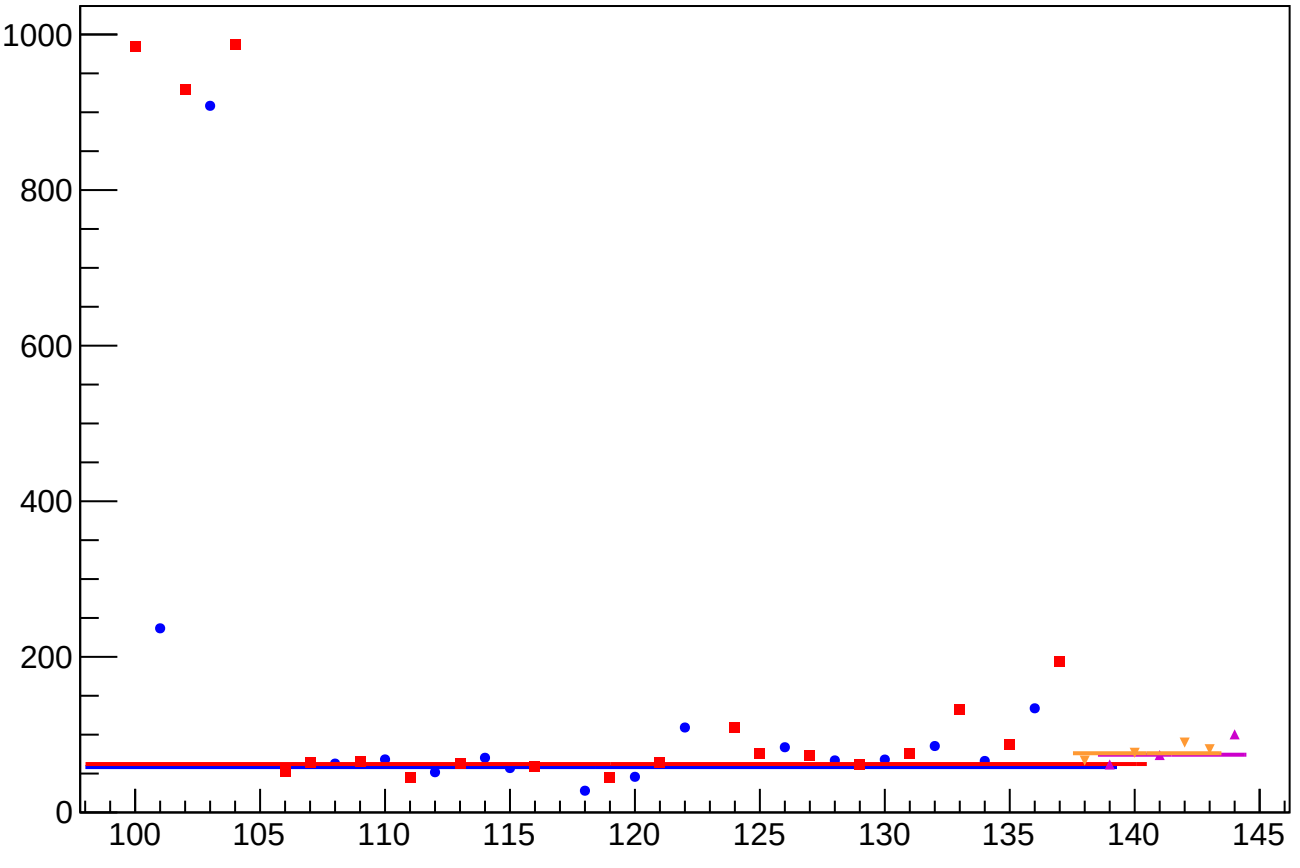
Left: -0.002+/-0.036 χ^2/NDF: 5.5/6

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.024 χ^2/NDF:15.5/18

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.004+/-0.017 χ^2/NDF: 42.3/41



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 76.115+/-0.036 χ^2/NDF:46162.0/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 74.218+/-0.036 χ^2/NDF:162217.6/2

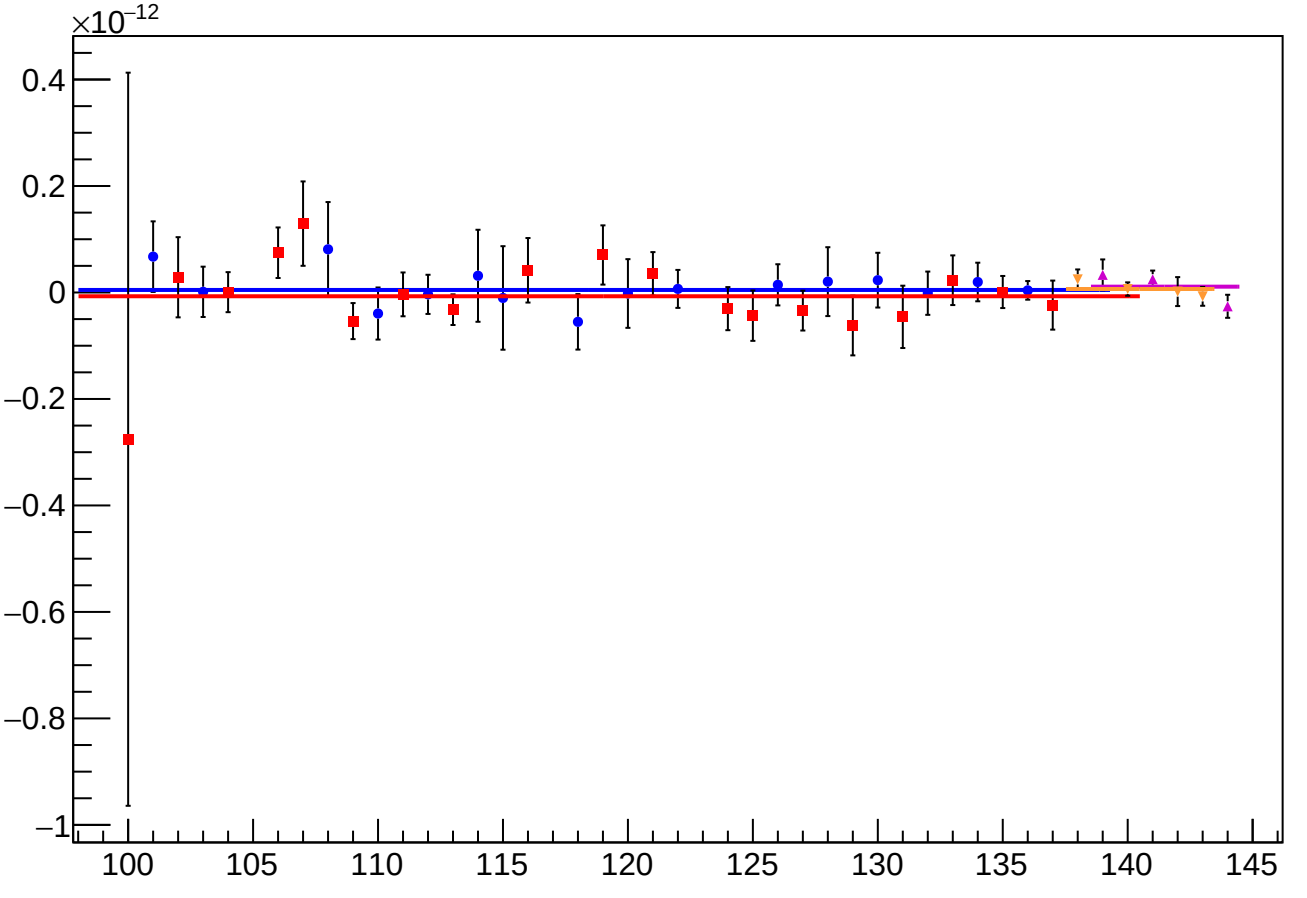
Left: 75.176+/-0.025 χ^2/NDF: 209793.0/6

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.996+/-0.017 χ^2/NDF:3574000.8/18

Out: 65.533+/-0.017 χ^2/NDF:2789708.1/22

All: 63.759+/-0.012 χ^2/NDF: 6384662.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/2

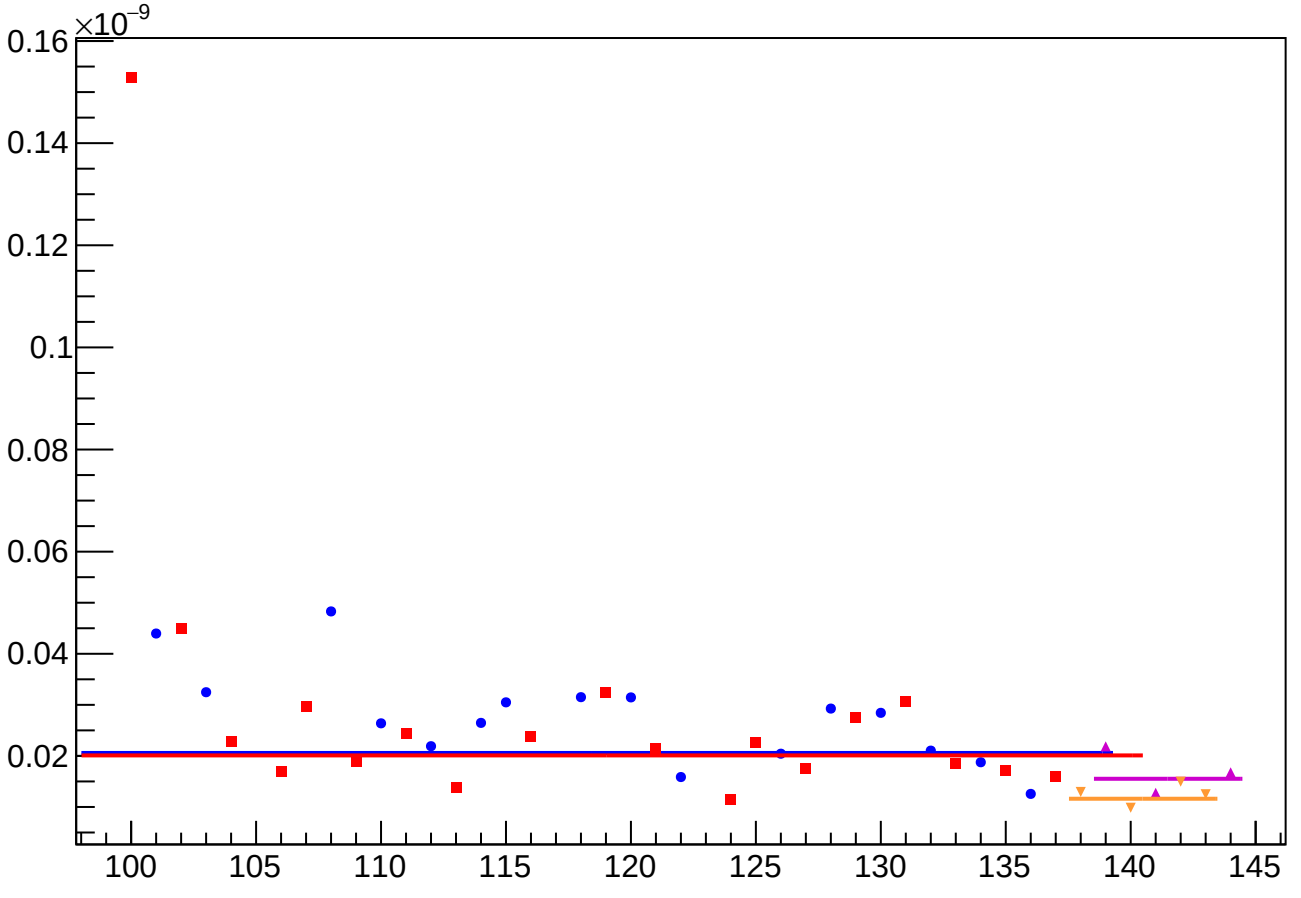
Left: 0.000+/-0.000 χ^2/NDF: 5.9/6

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:8.8/18

Out: 0.000+/-0.000 χ^2/NDF:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 28.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:84620.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:159768.8/2

Left: 0.000+/-0.000 χ^2/NDF: 387036.3/6

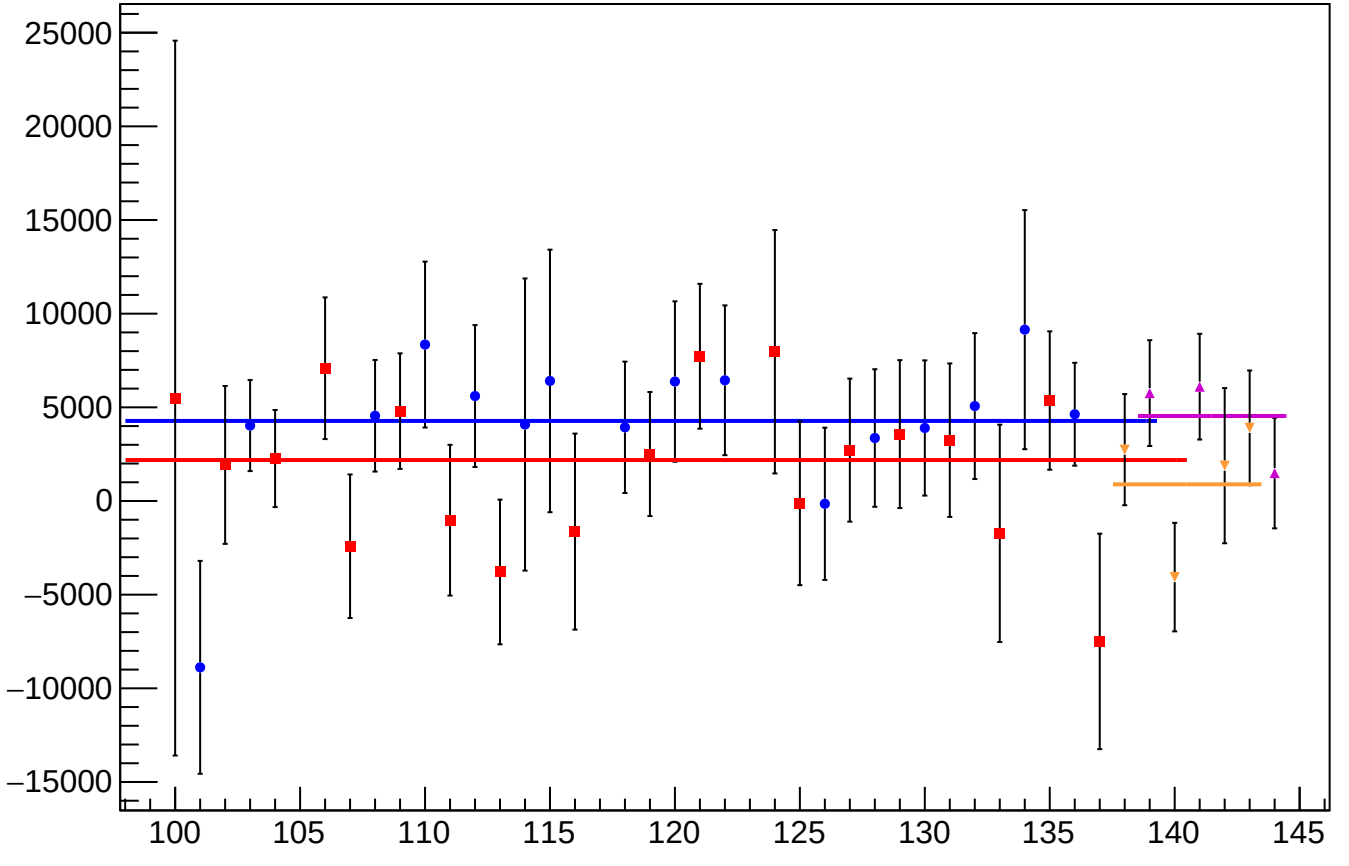
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1687205.9/18

Out: 0.000+/-0.000 χ^2/NDF:1718379.4/22

All: 0.000+/-0.000 χ^2/NDF: 3614615.6/41

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.670+/-1585.643 χ^2/NDF:4.3/3

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 4537.363+/-1653.428 χ^2/NDF:1.6/2

Left: 2637.215+/-1144.432 χ^2/NDF: 8.4/6

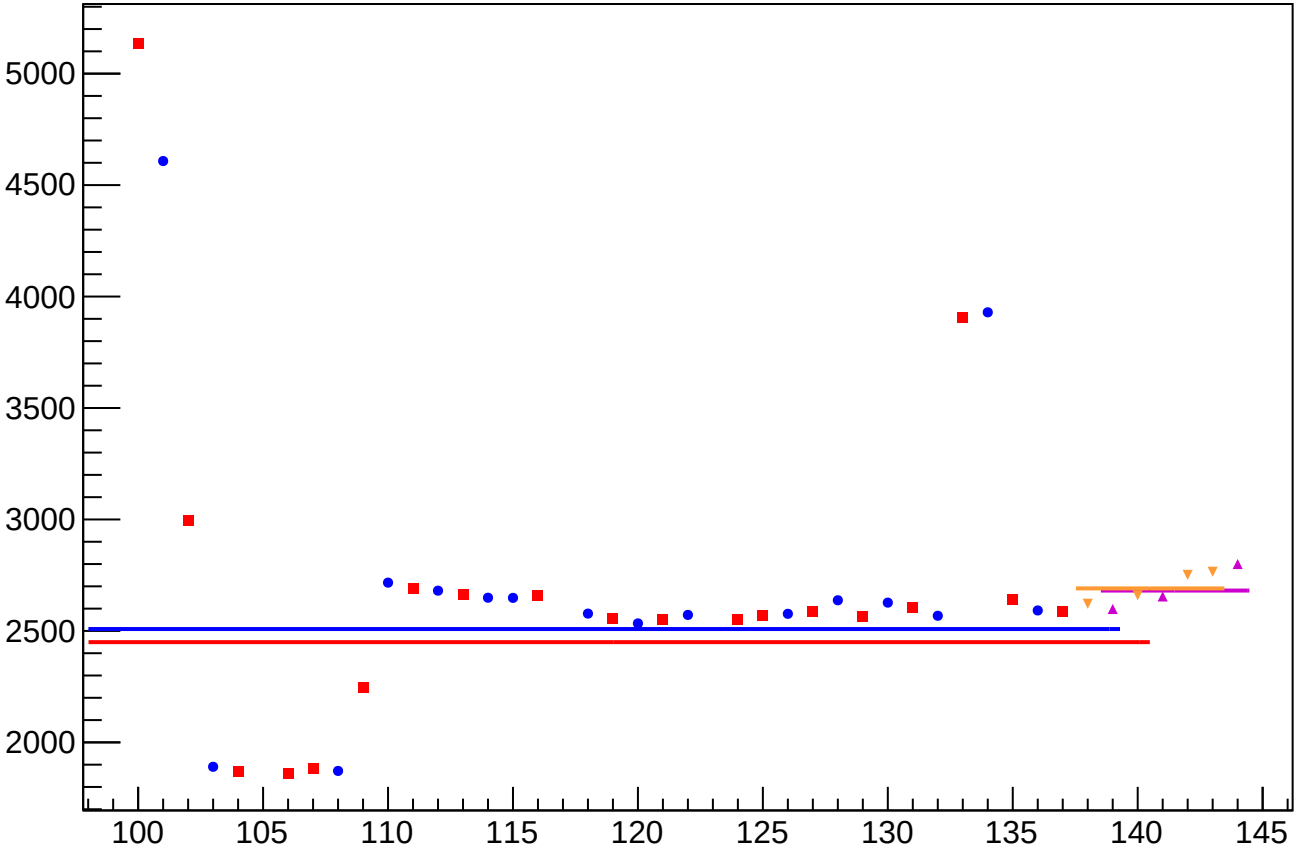
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4339.862+/-824.990 χ^2/NDF:10.5/18

Out: 1858.593+/-797.118 χ^2/NDF:19.6/22

All: 3056.605+/-573.248 χ^2/NDF: 34.8/41

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

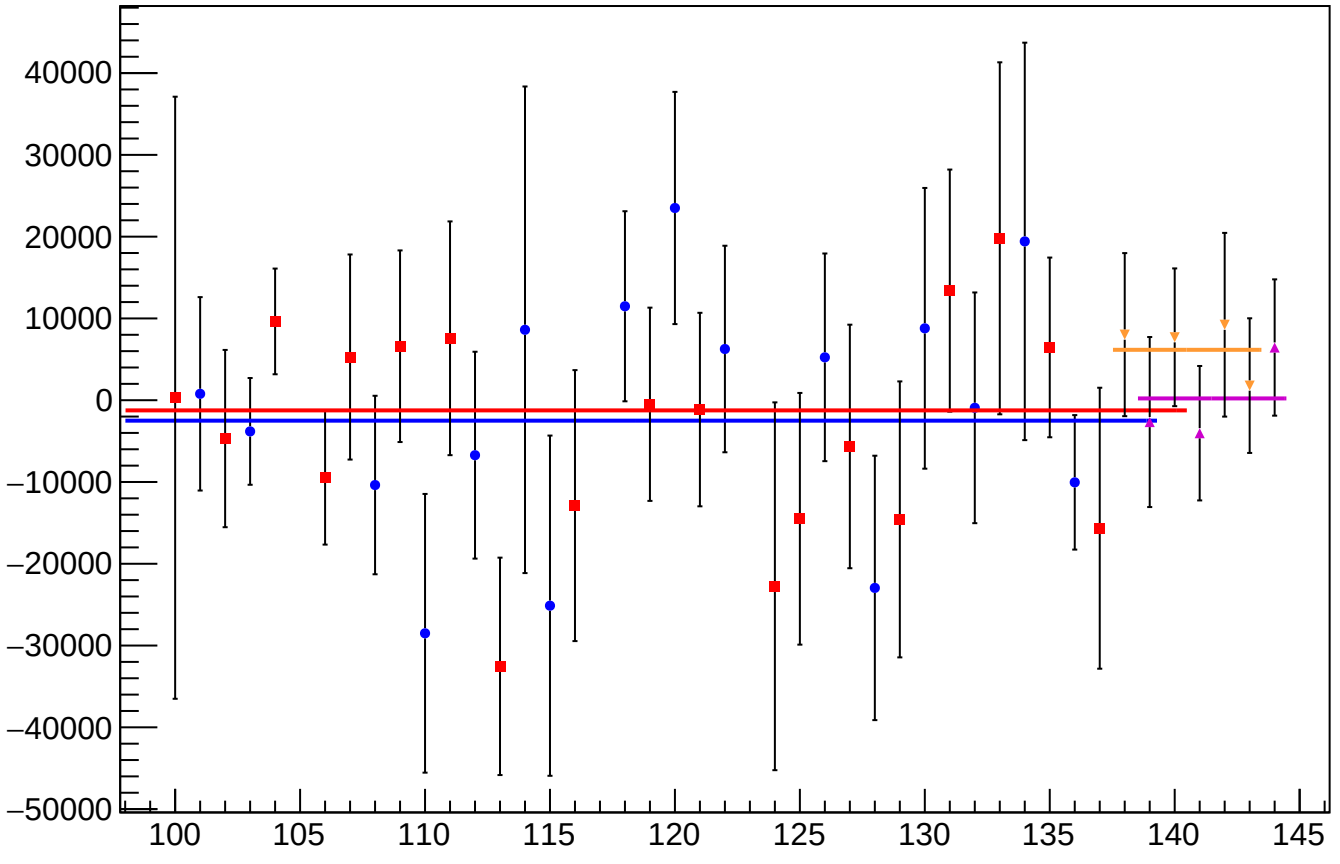
Left: 2686.084+/-0.809 χ^2/NDF: 8095.9/6

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2551.438+/-0.583 χ^2/NDF:633100.5/18

Out: 2510.545+/-0.564 χ^2/NDF:474366.0/22

All: 2530.289+/-0.405 χ^2/NDF: 1110007.9/41



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6161.956+/-4620.564 χ^2/NDF:0.4/3

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 218.239+/-5099.520 χ^2/NDF:0.9/2

Left: 3482.265+/-3424.070 χ^2/NDF: 2.1/6

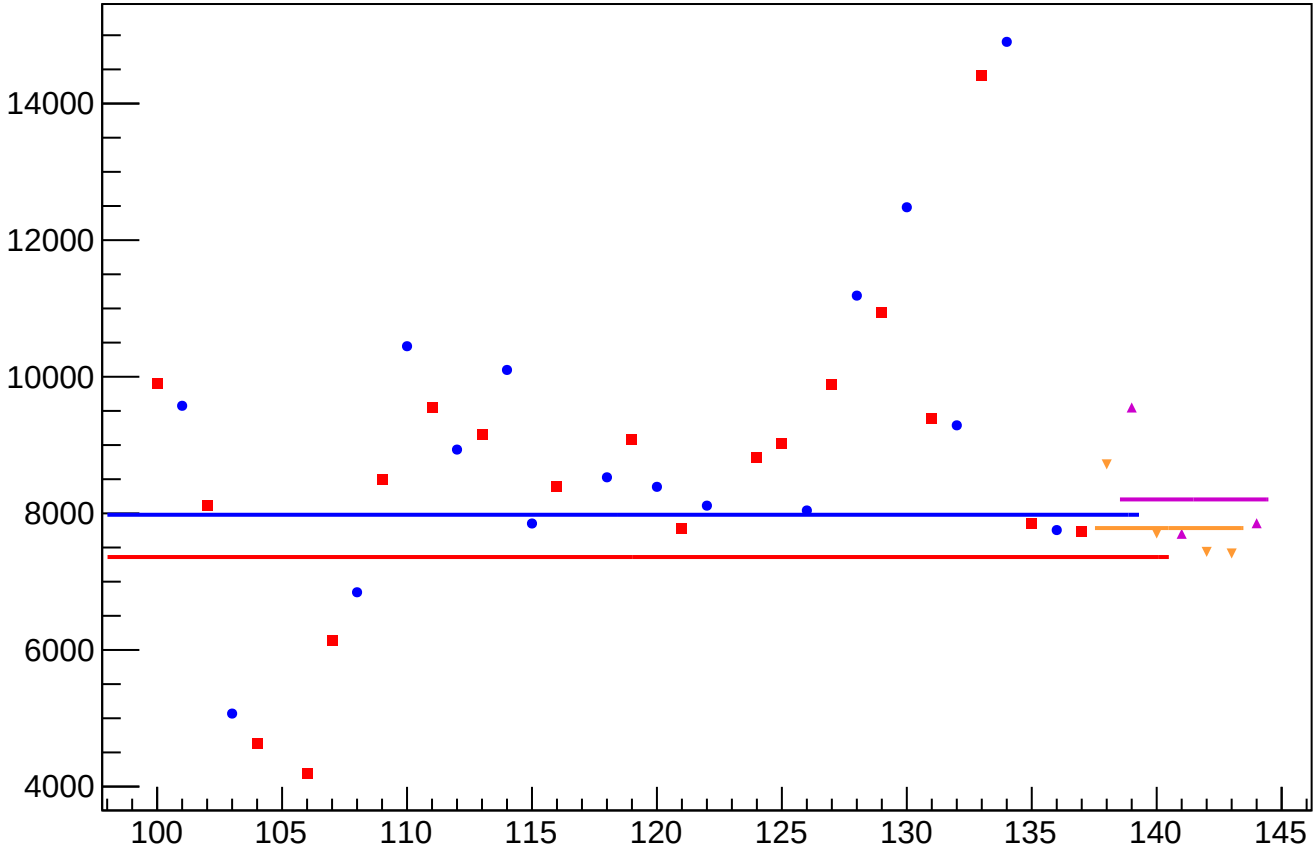
Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -1775.421+/-2633.666 χ^2/NDF:14.9/18

Out: 799.665+/-2427.372 χ^2/NDF:18.9/22

All: -383.089+/-1784.892 χ^2/NDF: 34.3/41

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7784.709+/-3.267 χ^2/NDF:23684.2/3

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8203.943+/-3.606 χ^2/NDF:44516.3/2

Left: 7973.718+/-2.421 χ^2/NDF: 75623.5/6

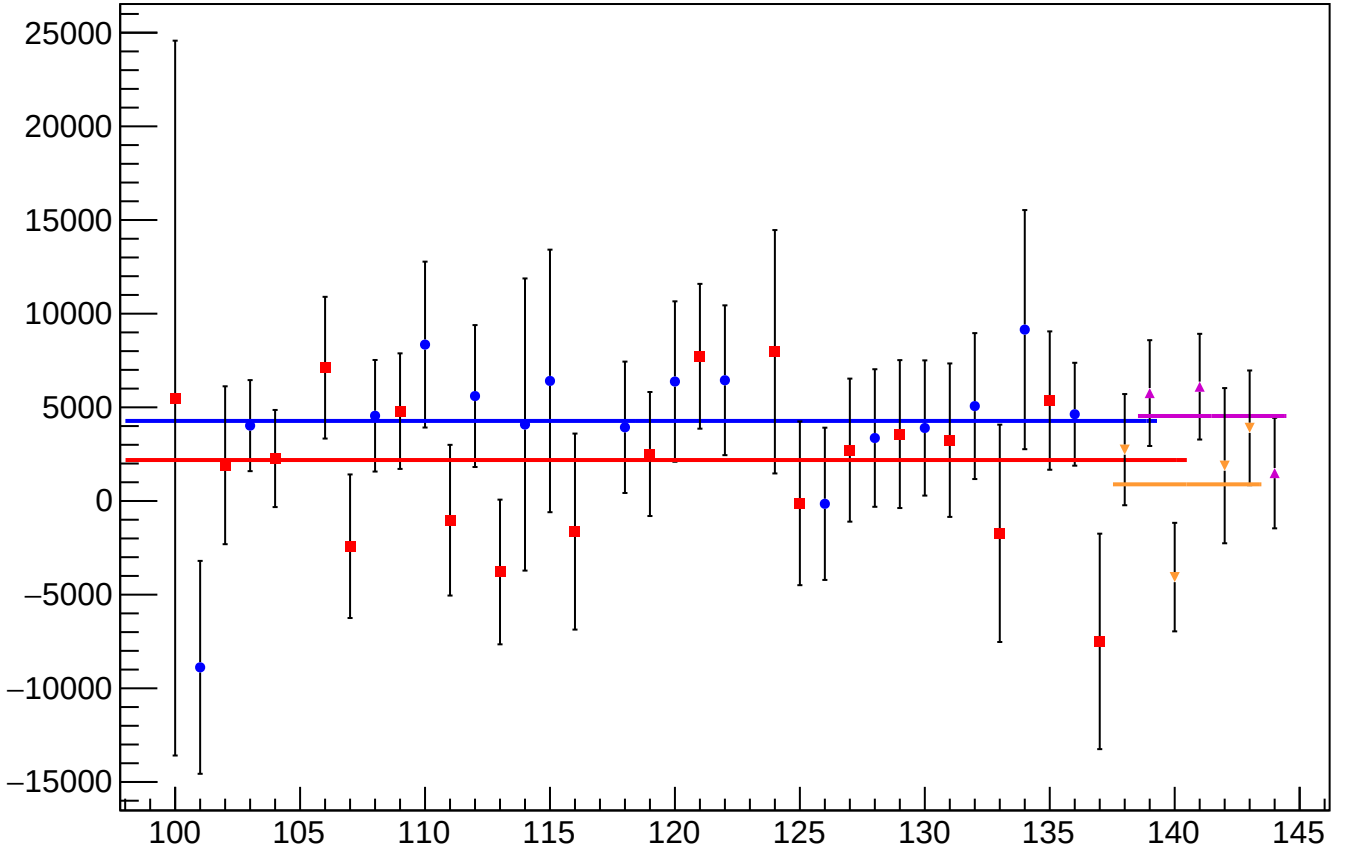
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8039.356+/-1.862 χ^2/NDF:970441.3/18

Out: 7477.749+/-1.716 χ^2/NDF:1321884.1/22

All: 7735.699+/-1.262 χ^2/NDF: 2341498.1/41

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.433+/-1585.644 χ^2/NDF:4.3/3

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4537.671+/-1653.428 χ^2/NDF:1.6/2

Left: 2637.239+/-1144.432 χ^2/NDF: 8.4/6

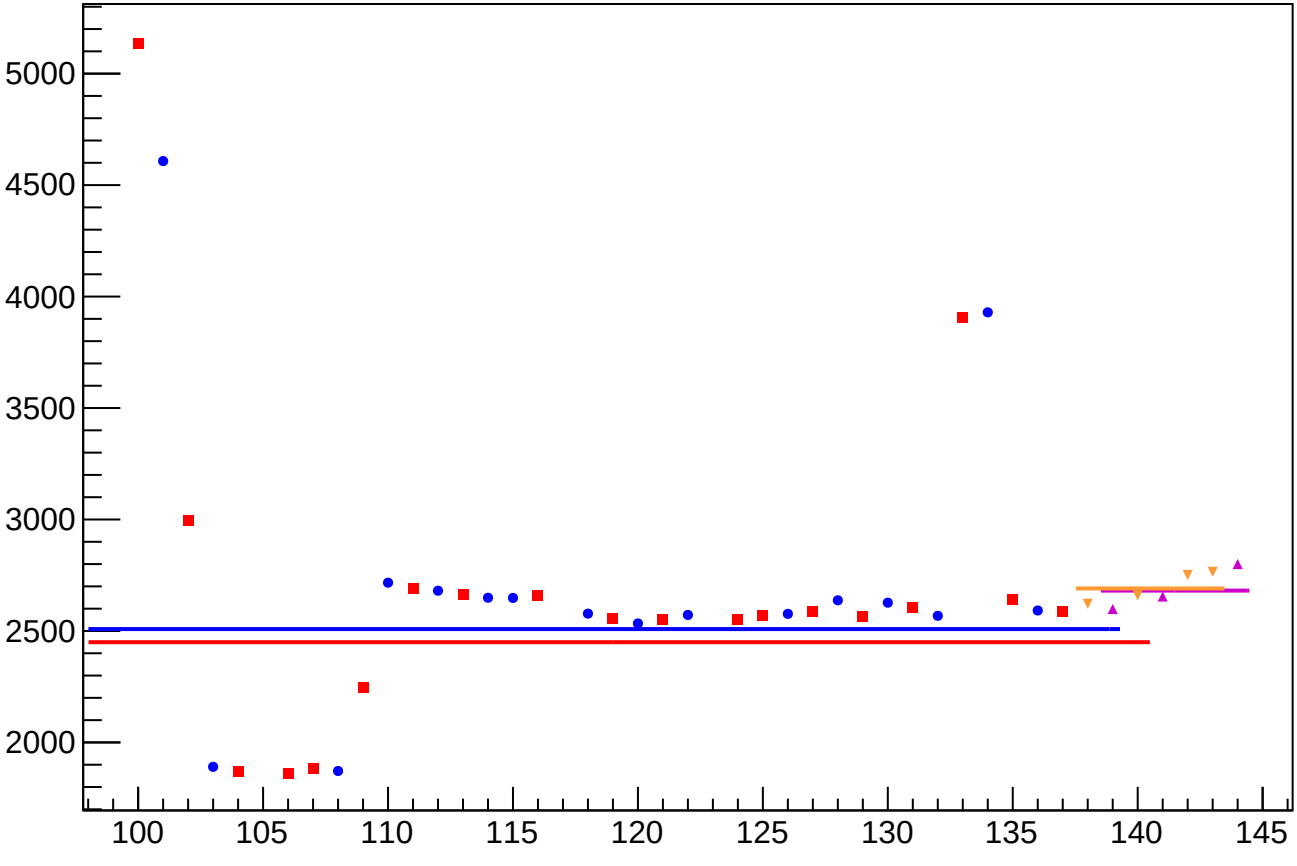
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4339.570+/-824.990 χ^2/NDF:10.5/18

Out: 1858.995+/-797.123 χ^2/NDF:19.7/22

All: 3056.679+/-573.250 χ^2/NDF: 34.8/41

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

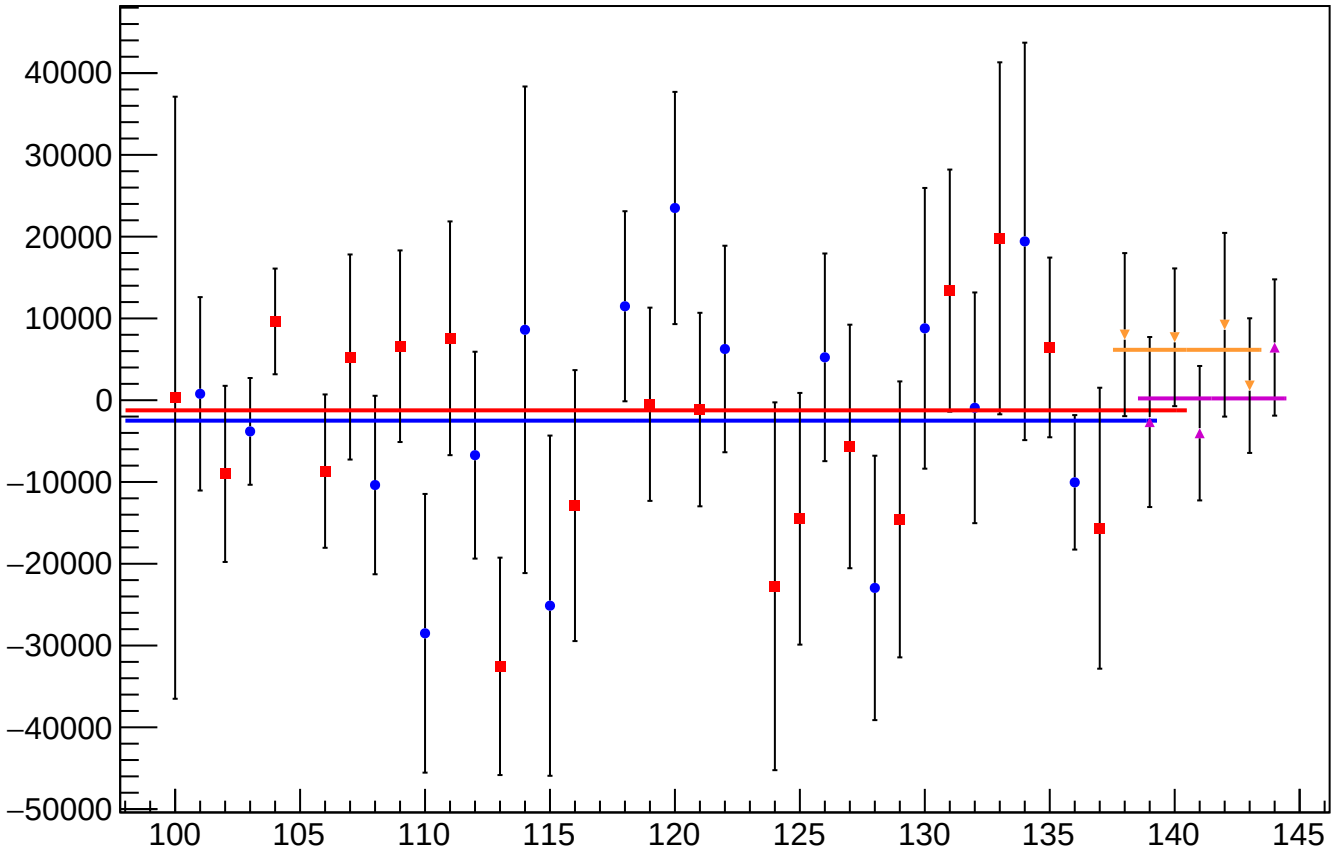
Left: 2686.084+/-0.809 χ^2/NDF: 8095.9/6

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2551.439+/-0.583 χ^2/NDF:633098.1/18

Out: 2510.564+/-0.564 χ^2/NDF:474304.5/22

All: 2530.300+/-0.405 χ^2/NDF: 1109941.8/41



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 218.454+/-5099.513 χ^2/NDF:0.9/2

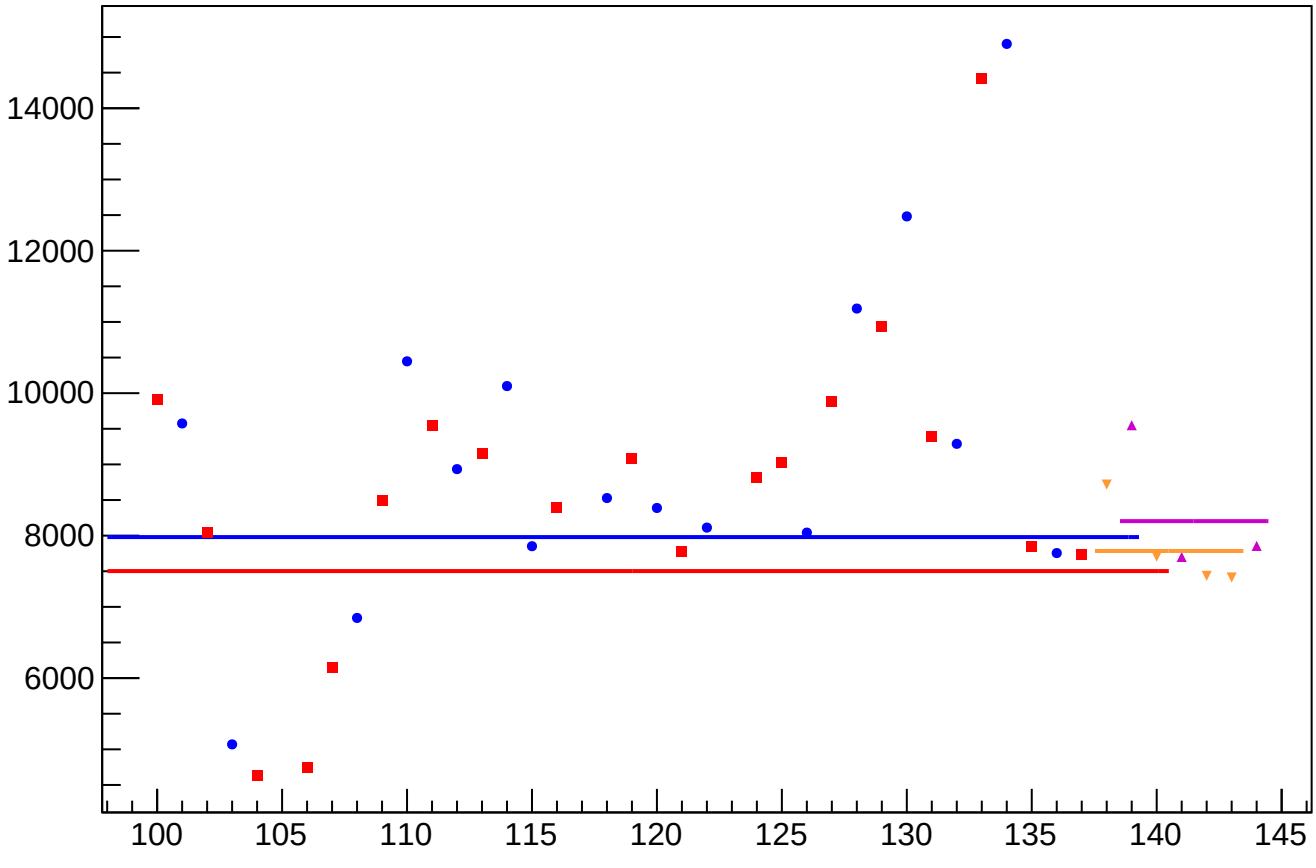
Left: 3482.180+/-3424.060 χ^2/NDF: 2.1/6

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1775.168+/-2633.720 χ^2/NDF:14.9/18

Out: 845.001+/-2452.310 χ^2/NDF:18.9/22

All: -371.746+/-1794.754 χ^2/NDF: 34.3/41



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8203.930+/-3.606 χ^2/NDF:44517.1/2

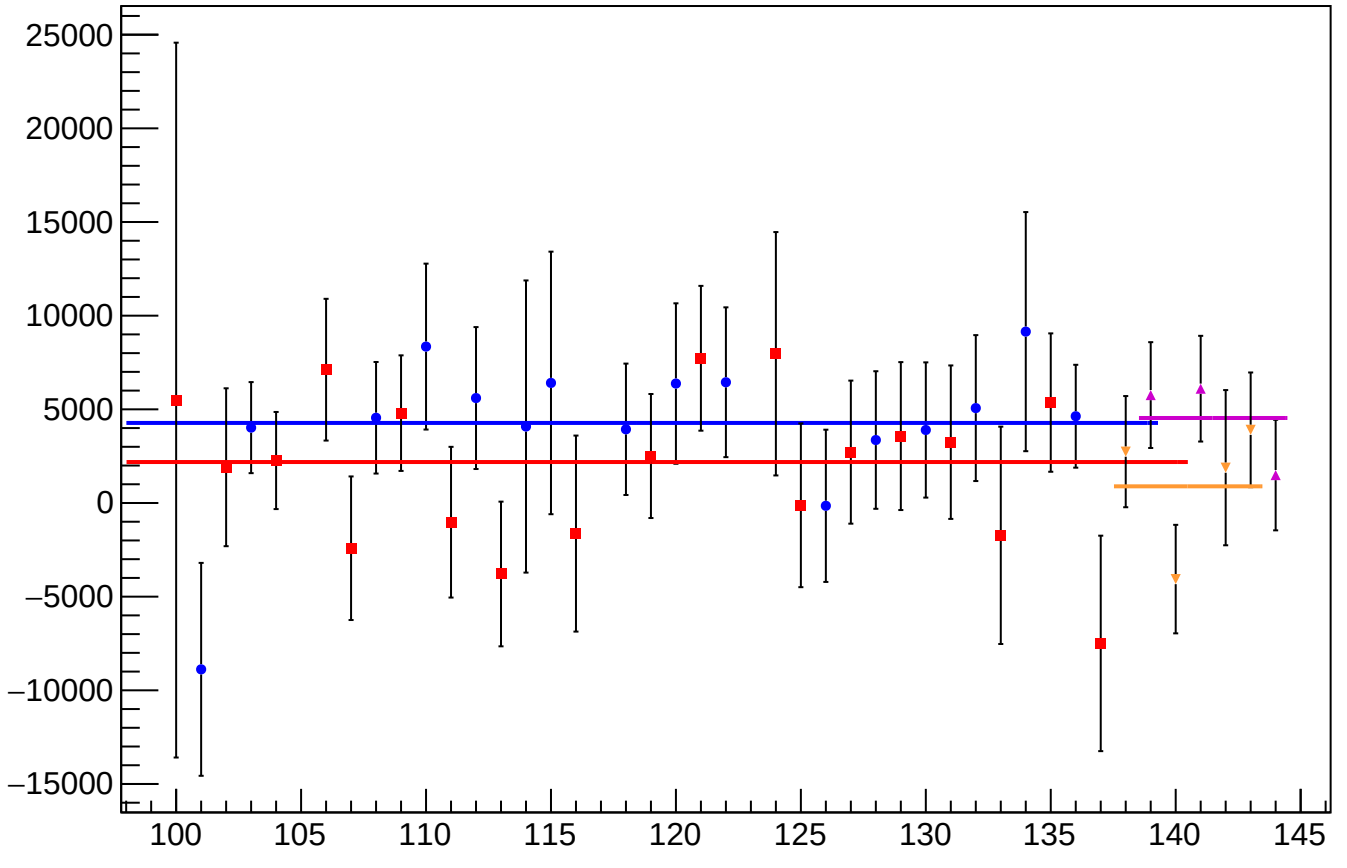
Left: 7973.693+/-2.421 χ^2/NDF: 75626.3/6

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8039.592+/-1.862 χ^2/NDF:970135.1/18

Out: 7582.117+/-1.734 χ^2/NDF:1164559.8/22

All: 7794.558+/-1.269 χ^2/NDF: 2167015.8/41



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.433+/-1585.644 χ^2/NDF:4.3/3

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4537.671+/-1653.428 χ^2/NDF:1.6/2

Left: 2637.239+/-1144.432 χ^2/NDF: 8.4/6

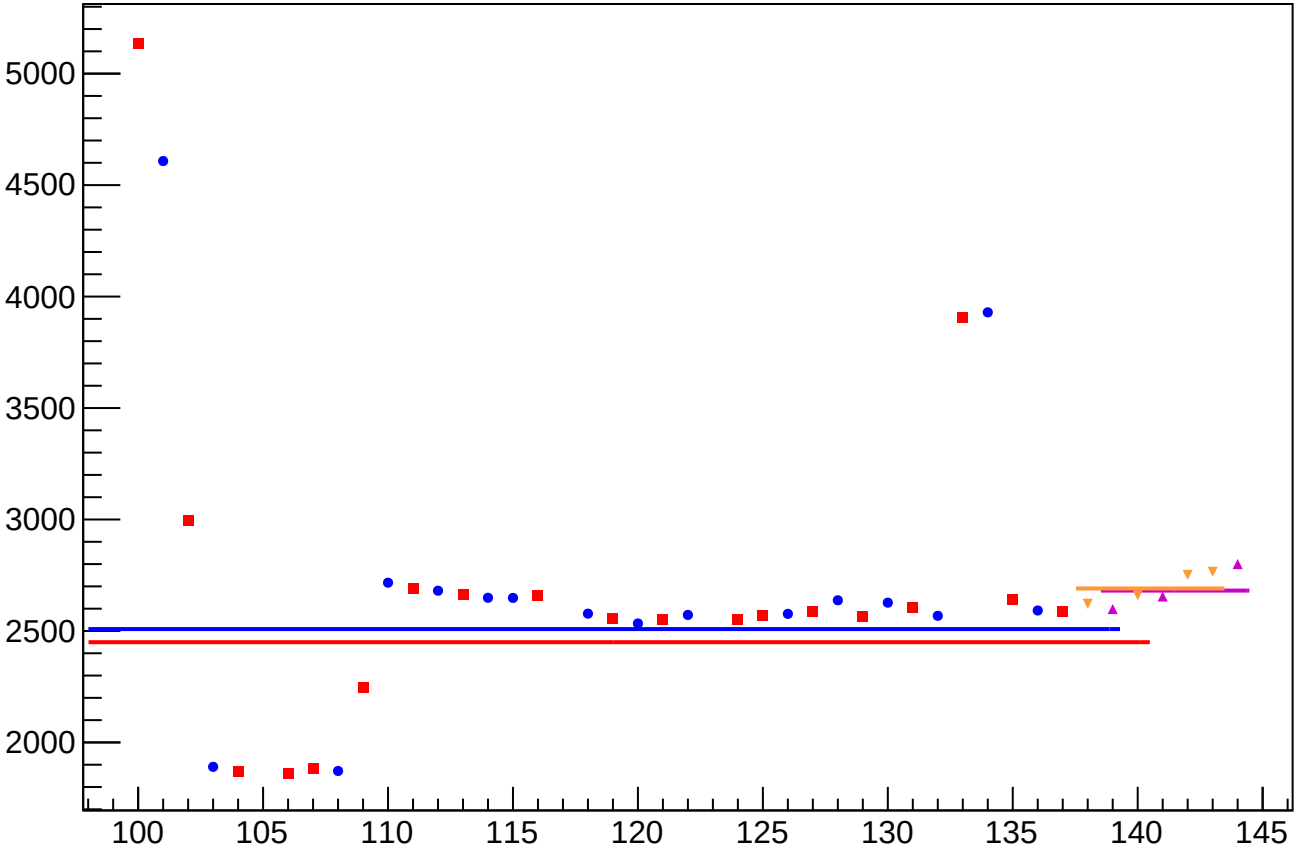
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4339.570+/-824.990 χ^2/NDF:10.5/18

Out: 1858.995+/-797.123 χ^2/NDF:19.7/22

All: 3056.679+/-573.250 χ^2/NDF: 34.8/41

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2681.073+/-1.169 χ^2/NDF:5141.3/2

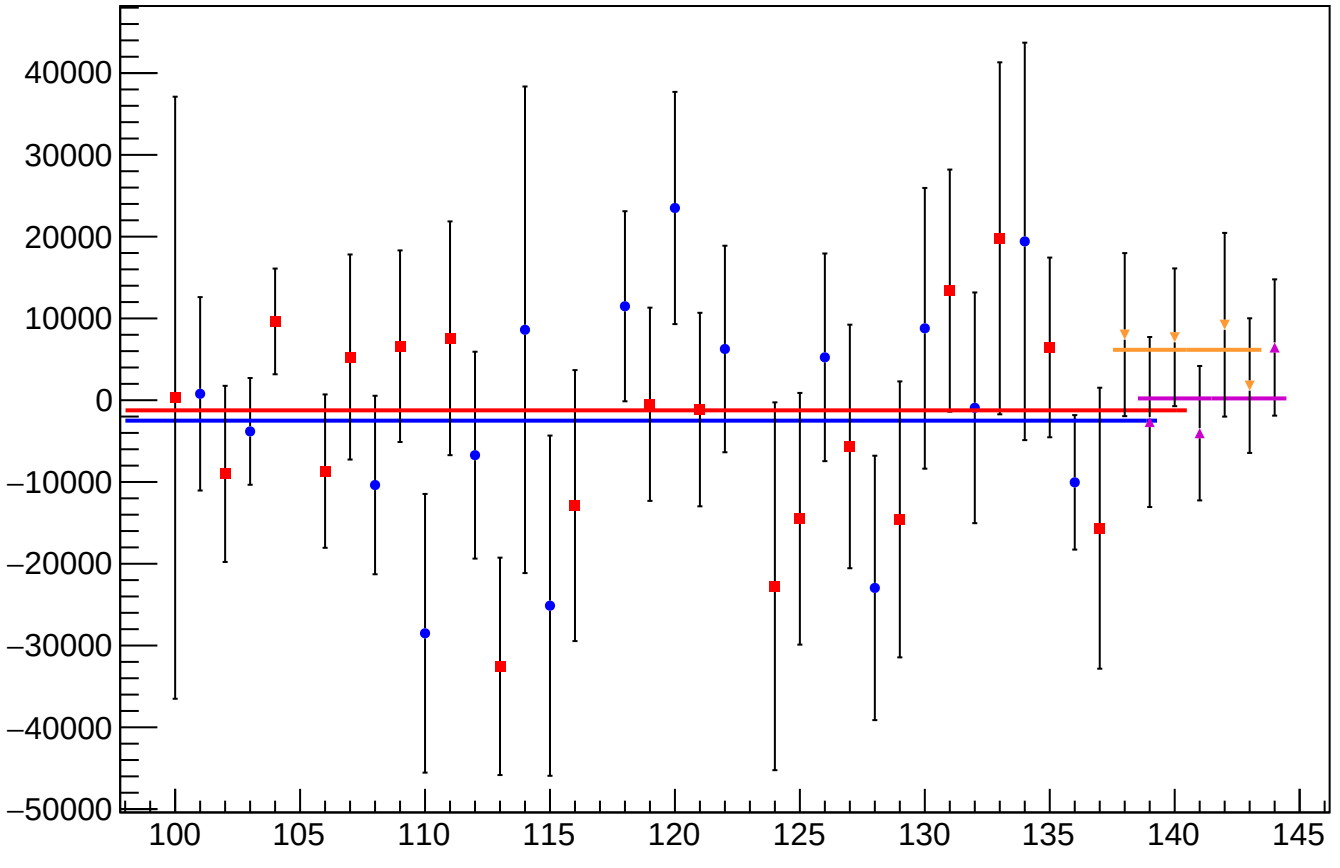
Left: 2686.084+/-0.809 χ^2/NDF: 8095.9/6

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2551.439+/-0.583 χ^2/NDF:633098.1/18

Out: 2510.564+/-0.564 χ^2/NDF:474304.5/22

All: 2530.300+/-0.405 χ^2/NDF: 1109941.8/41



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 218.454+/-5099.513 χ^2/NDF:0.9/2

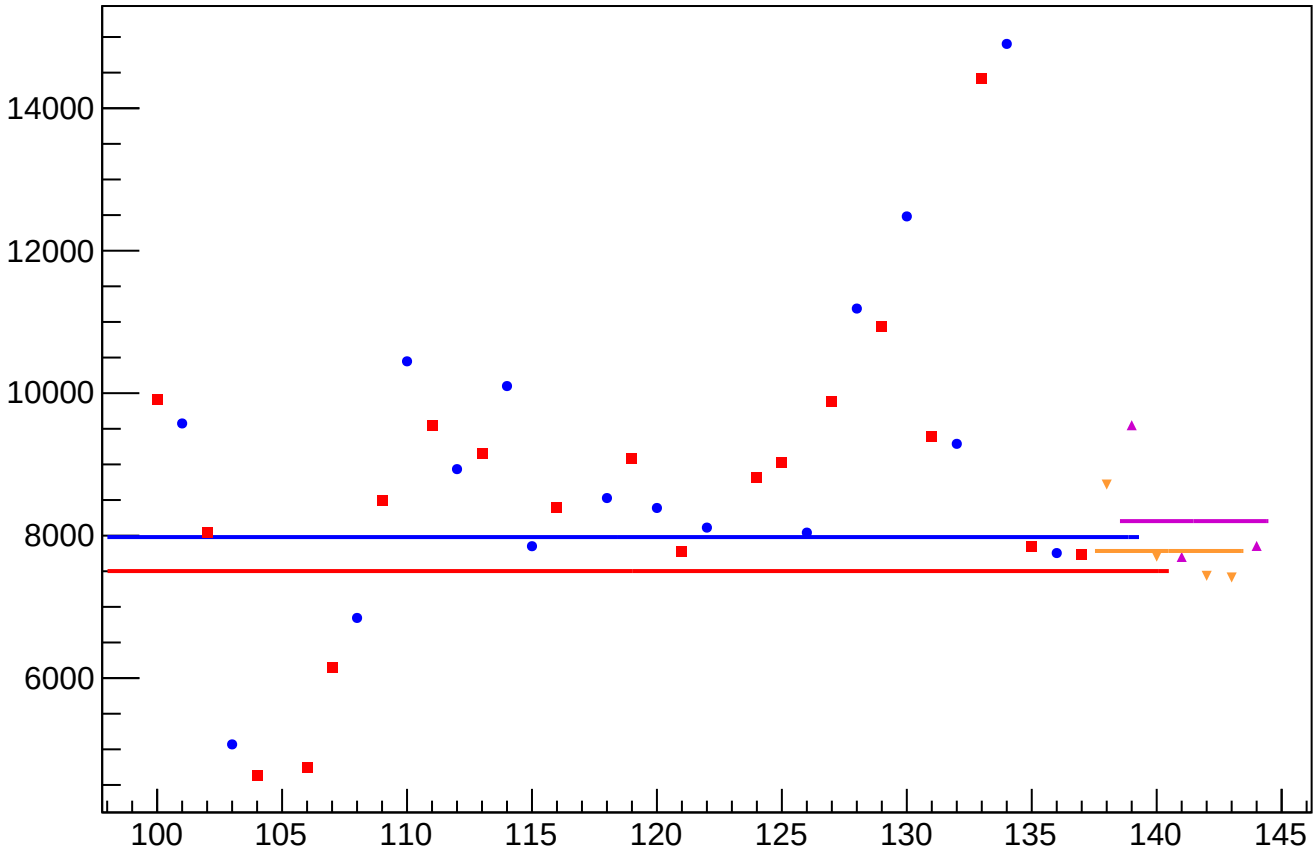
Left: 3482.180+/-3424.060 χ^2/NDF: 2.1/6

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1775.168+/-2633.720 χ^2/NDF:14.9/18

Out: 845.001+/-2452.310 χ^2/NDF:18.9/22

All: -371.746+/-1794.754 χ^2/NDF: 34.3/41



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8203.930+/-3.606 χ^2/NDF:44517.1/2

Left: 7973.693+/-2.421 χ^2/NDF: 75626.3/6

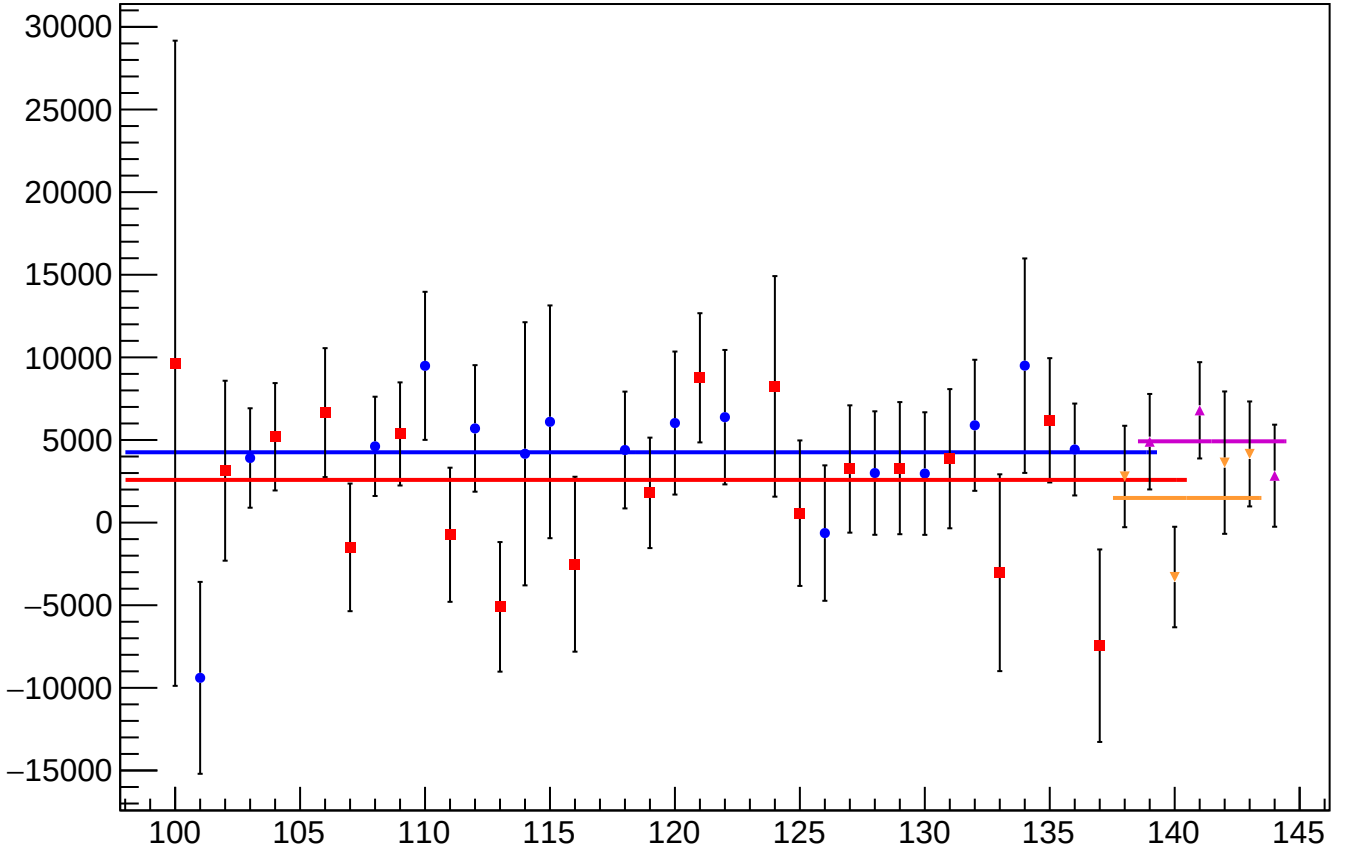
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8039.592+/-1.862 χ^2/NDF:970135.1/18

Out: 7582.117+/-1.734 χ^2/NDF:1164559.8/22

All: 7794.558+/-1.269 χ^2/NDF: 2167015.8/41

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1492.116+/-1650.200 χ^2/NDF:3.6/3

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 4919.792+/-1709.084 χ^2/NDF:0.9/2

Left: 3145.890+/-1187.139 χ^2/NDF: 6.6/6

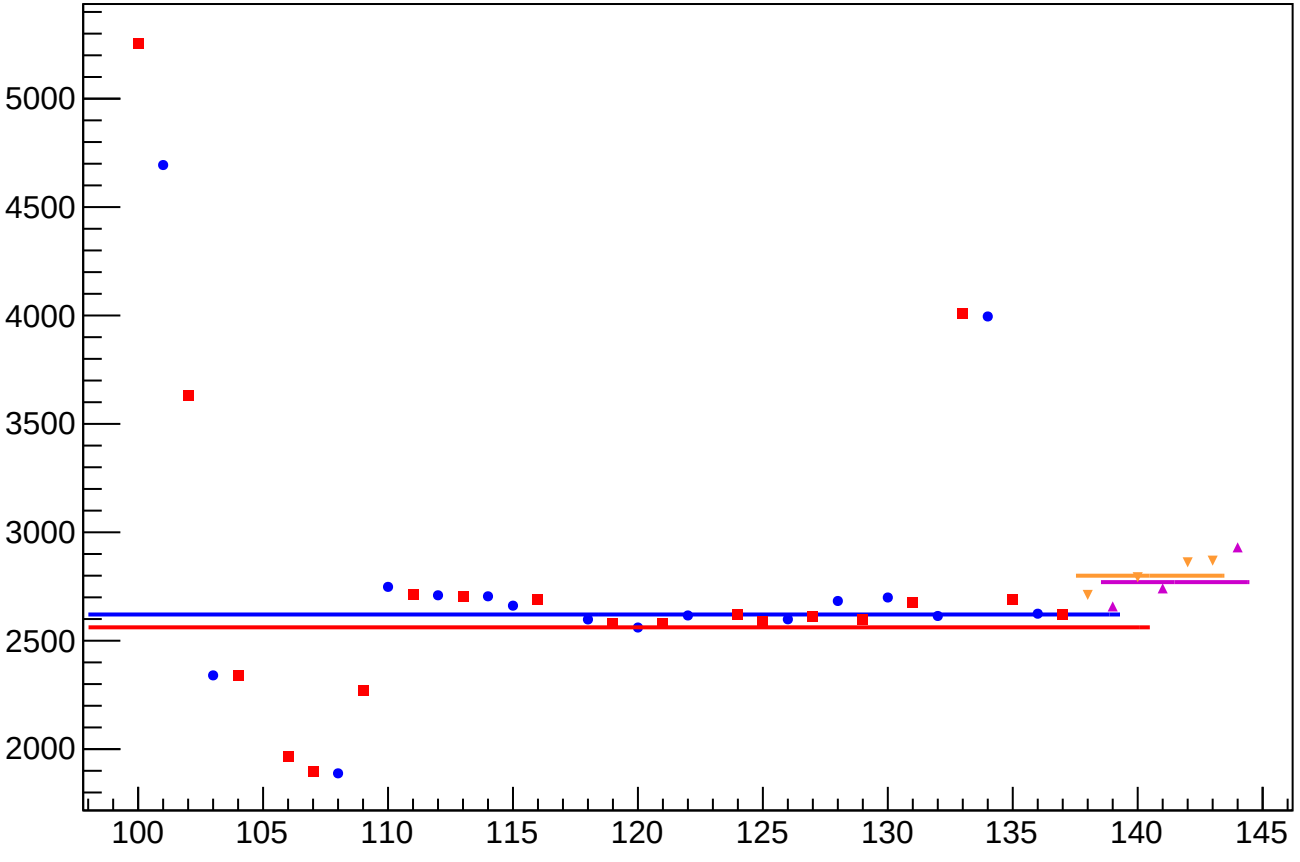
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4423.638+/-857.008 χ^2/NDF:11.0/18

Out: 2305.824+/-833.697 χ^2/NDF:21.6/22

All: 3335.537+/-597.584 χ^2/NDF: 35.7/41

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2799.885+/-1.167 χ^2/NDF:3042.3/3

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2770.233+/-1.209 χ^2/NDF:8599.3/2

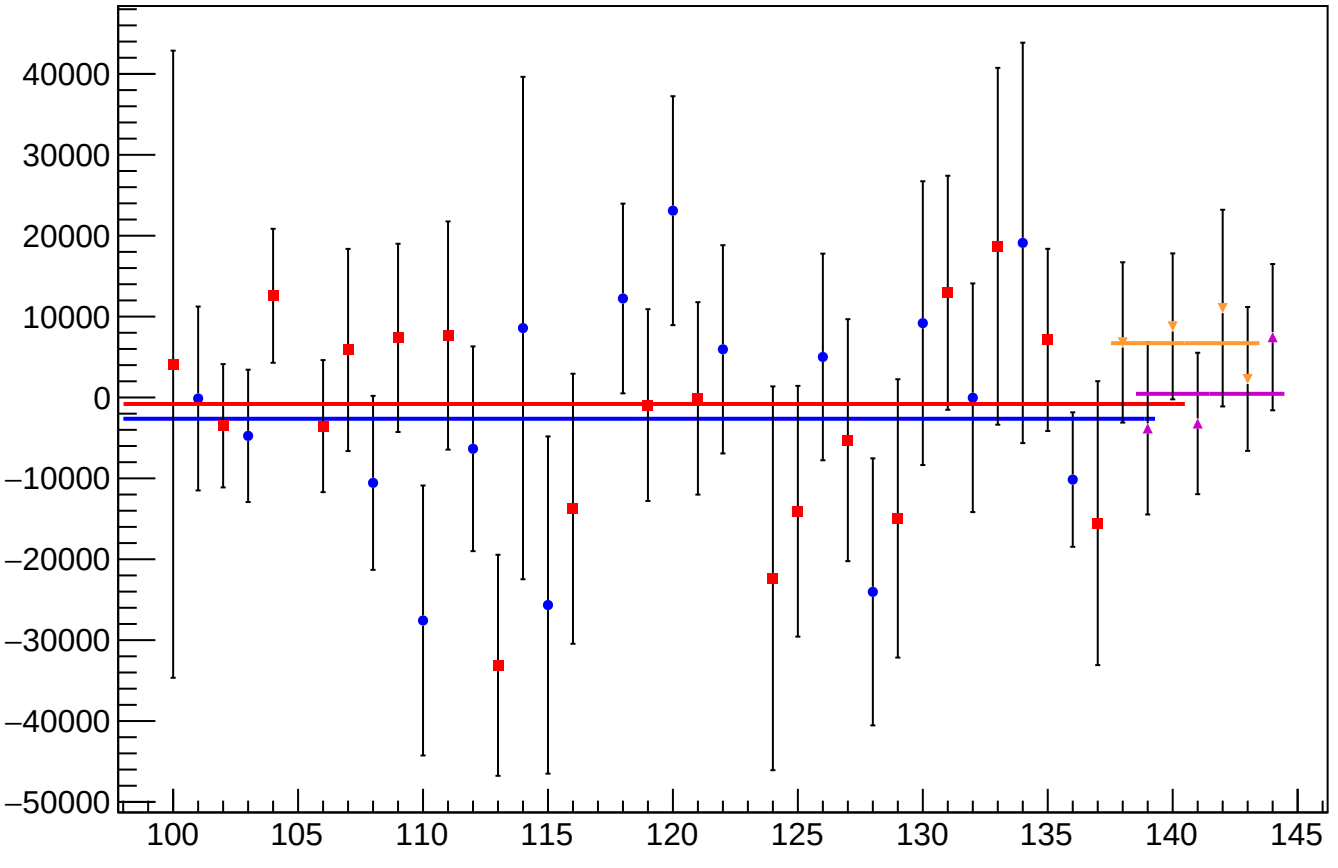
Left: 2785.579+/-0.839 χ^2/NDF: 11953.2/6

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2658.497+/-0.606 χ^2/NDF:505933.4/18

Out: 2622.454+/-0.589 χ^2/NDF:412338.0/22

All: 2639.971+/-0.422 χ^2/NDF: 920089.6/41



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 6711.864+/-4886.913 χ^2/NDF:0.4/3

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 452.081+/-5411.760 χ^2/NDF:0.9/2

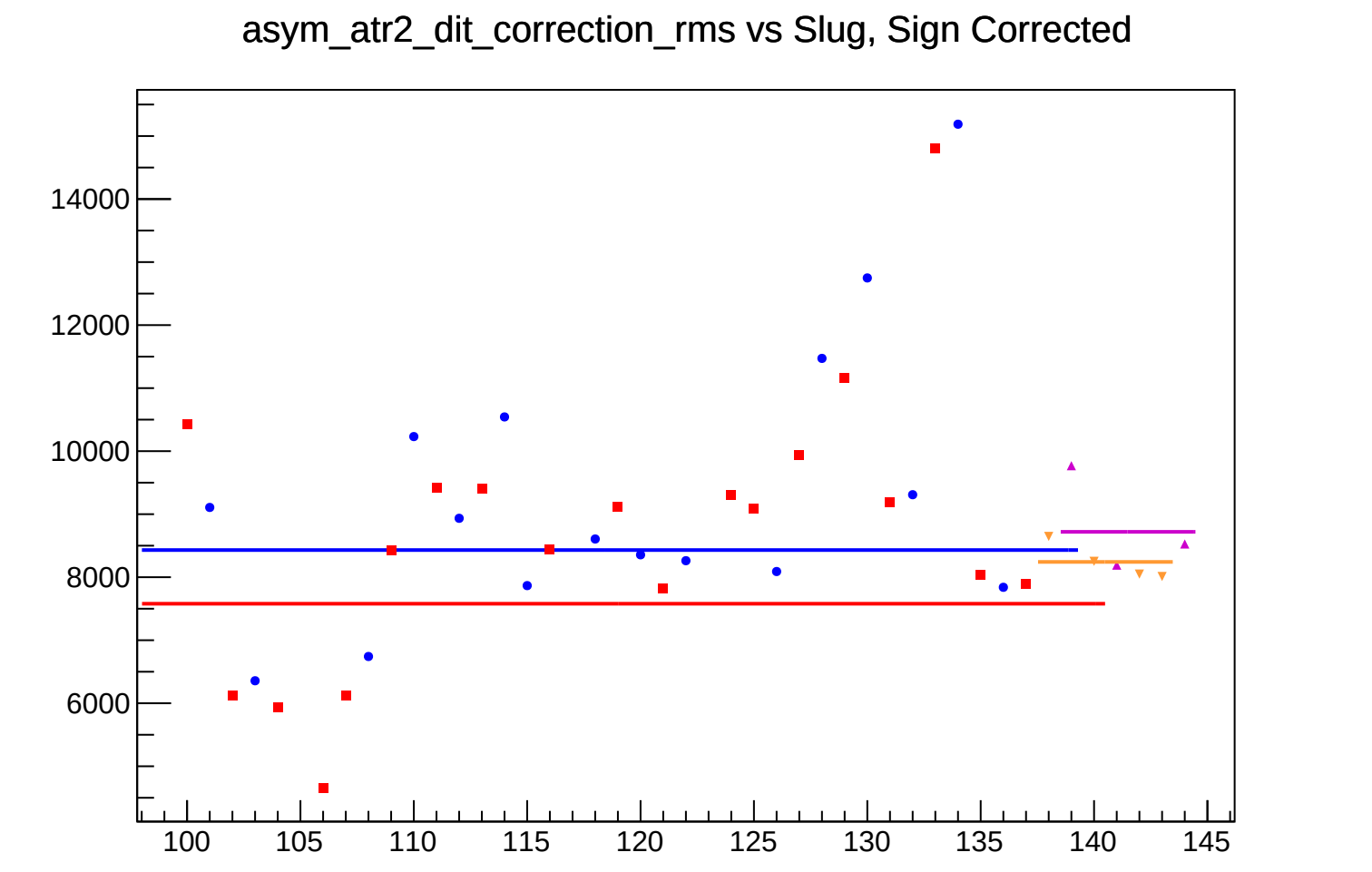
Left: 3900.161+/-3626.967 χ^2/NDF: 2.1/6

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1828.715+/-2761.815 χ^2/NDF:15.0/18

Out: 1127.213+/-2476.661 χ^2/NDF:17.6/22

All: -190.322+/-1843.864 χ^2/NDF: 33.2/41



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8242.575+/-3.456 χ^2/NDF:5191.0/3

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8719.787+/-3.827 χ^2/NDF:27648.0/2

Left: 8456.924+/-2.565 χ^2/NDF: 41405.4/6

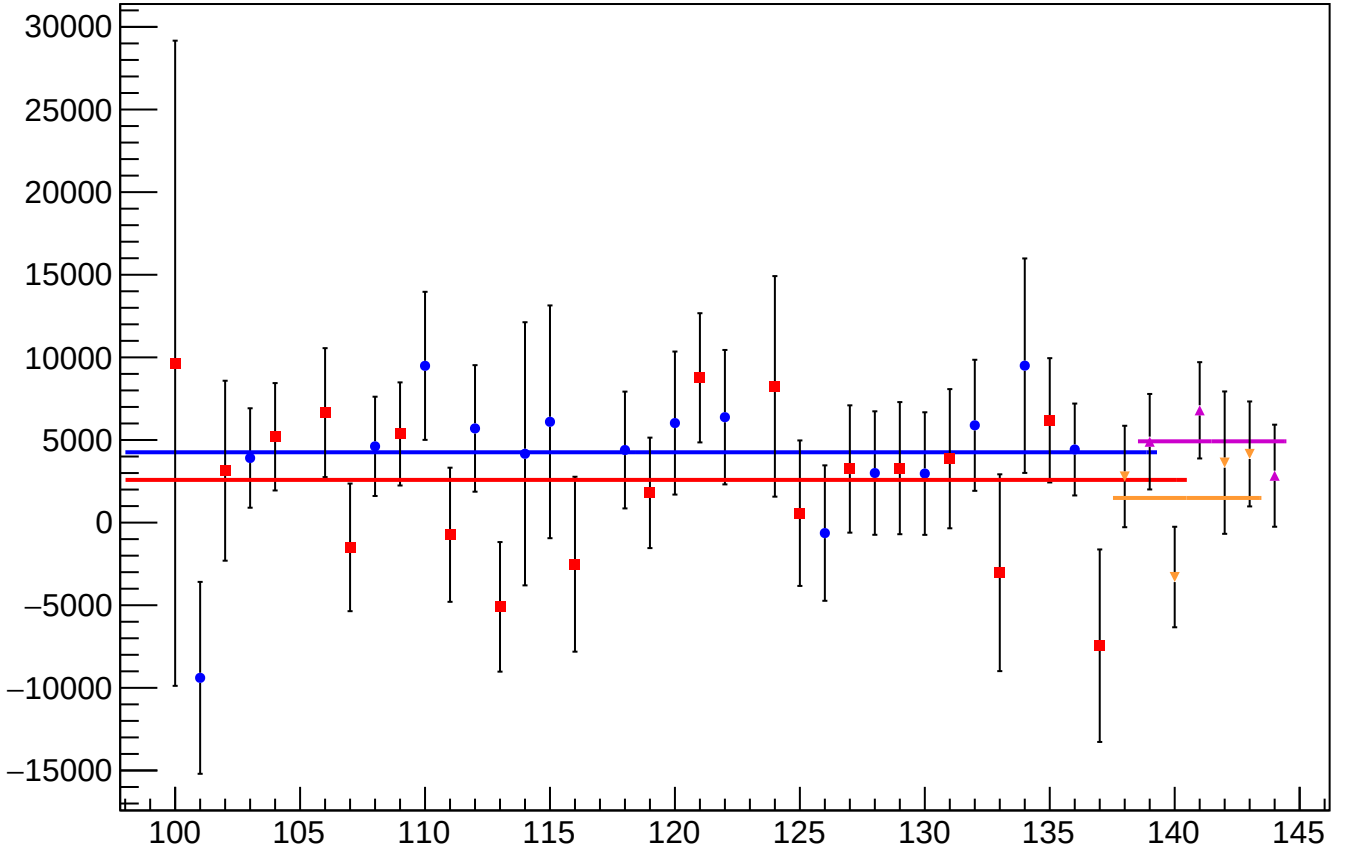
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8506.041+/-1.953 χ^2/NDF:612161.8/18

Out: 7749.516+/-1.751 χ^2/NDF:1006713.2/22

All: 8086.719+/-1.304 χ^2/NDF: 1702053.5/41

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1492.112+/-1650.201 χ^2/NDF:3.6/3

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 4919.771+/-1709.085 χ^2/NDF:0.9/2

Left: 3145.878+/-1187.140 χ^2/NDF: 6.6/6

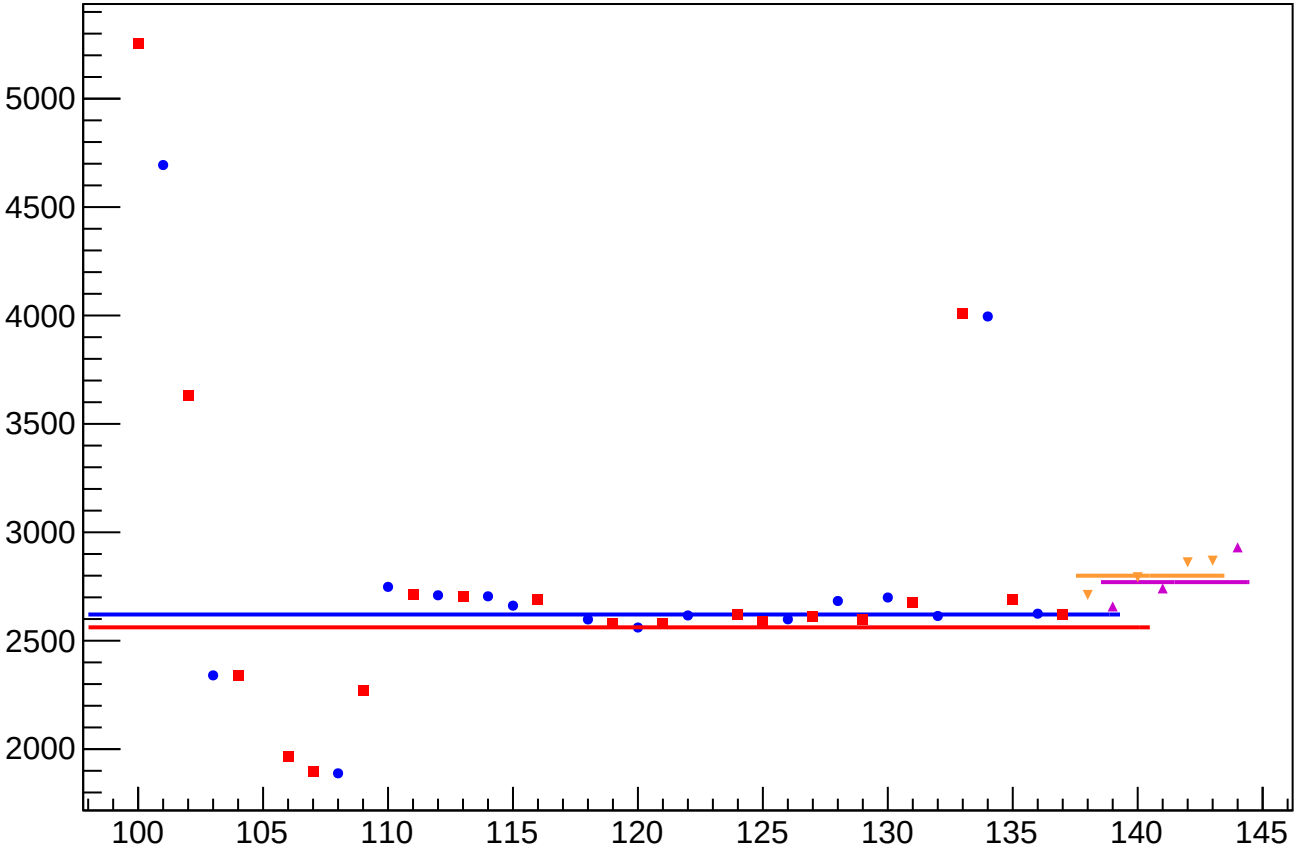
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4423.638+/-857.008 χ^2/NDF:11.0/18

Out: 2305.831+/-833.697 χ^2/NDF:21.6/22

All: 3335.541+/-597.584 χ^2/NDF: 35.7/41

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2799.887+/-1.167 χ^2/NDF:3042.4/3

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2770.234+/-1.209 χ^2/NDF:8599.3/2

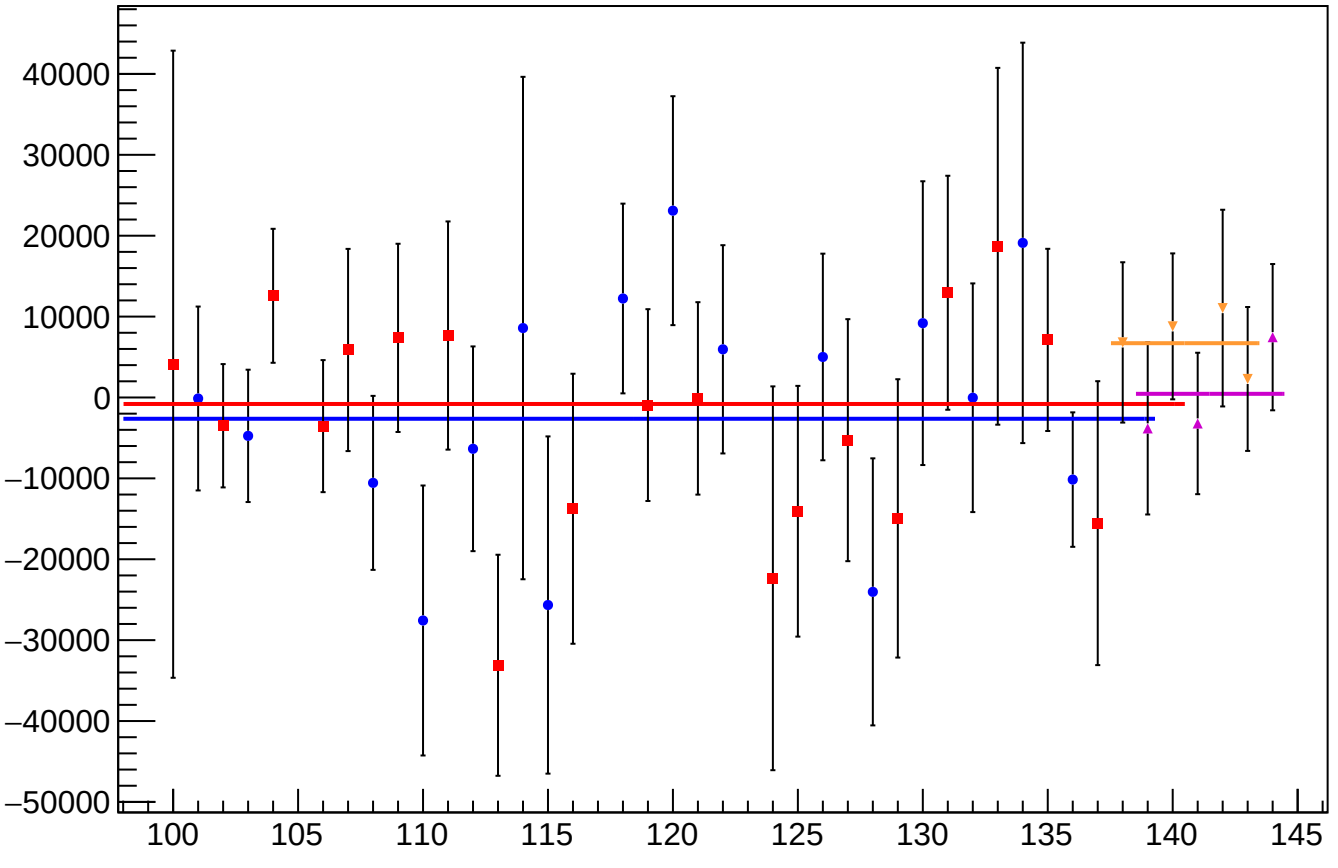
Left: 2785.580+/-0.839 χ^2/NDF: 11953.2/6

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2658.496+/-0.606 χ^2/NDF:505933.9/18

Out: 2622.454+/-0.589 χ^2/NDF:412337.9/22

All: 2639.971+/-0.422 χ^2/NDF: 920090.0/41



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6711.872+/-4886.919 χ^2/NDF:0.4/3

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 452.060+/-5411.764 χ^2/NDF:0.9/2

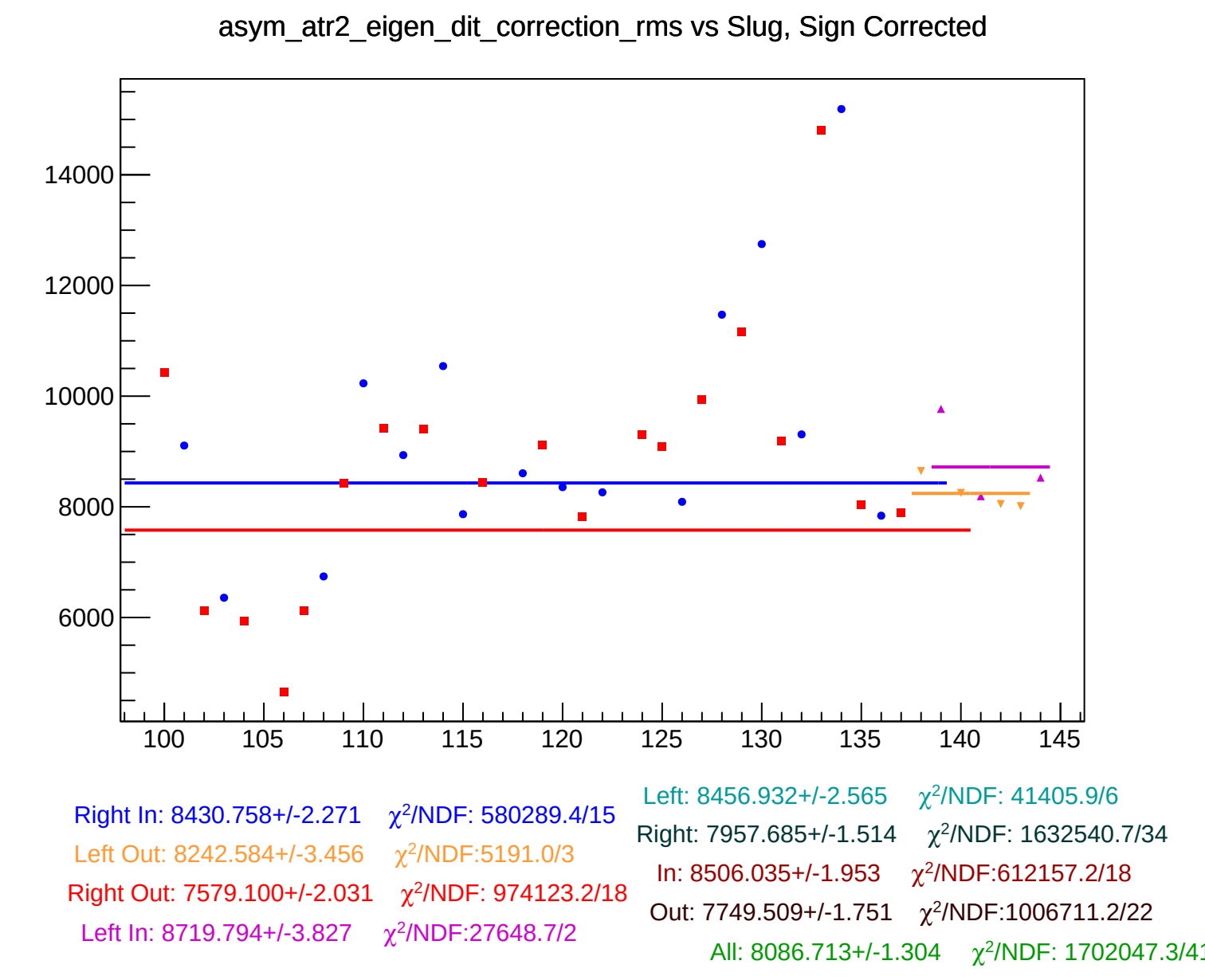
Left: 3900.154+/-3626.971 χ^2/NDF: 2.1/6

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

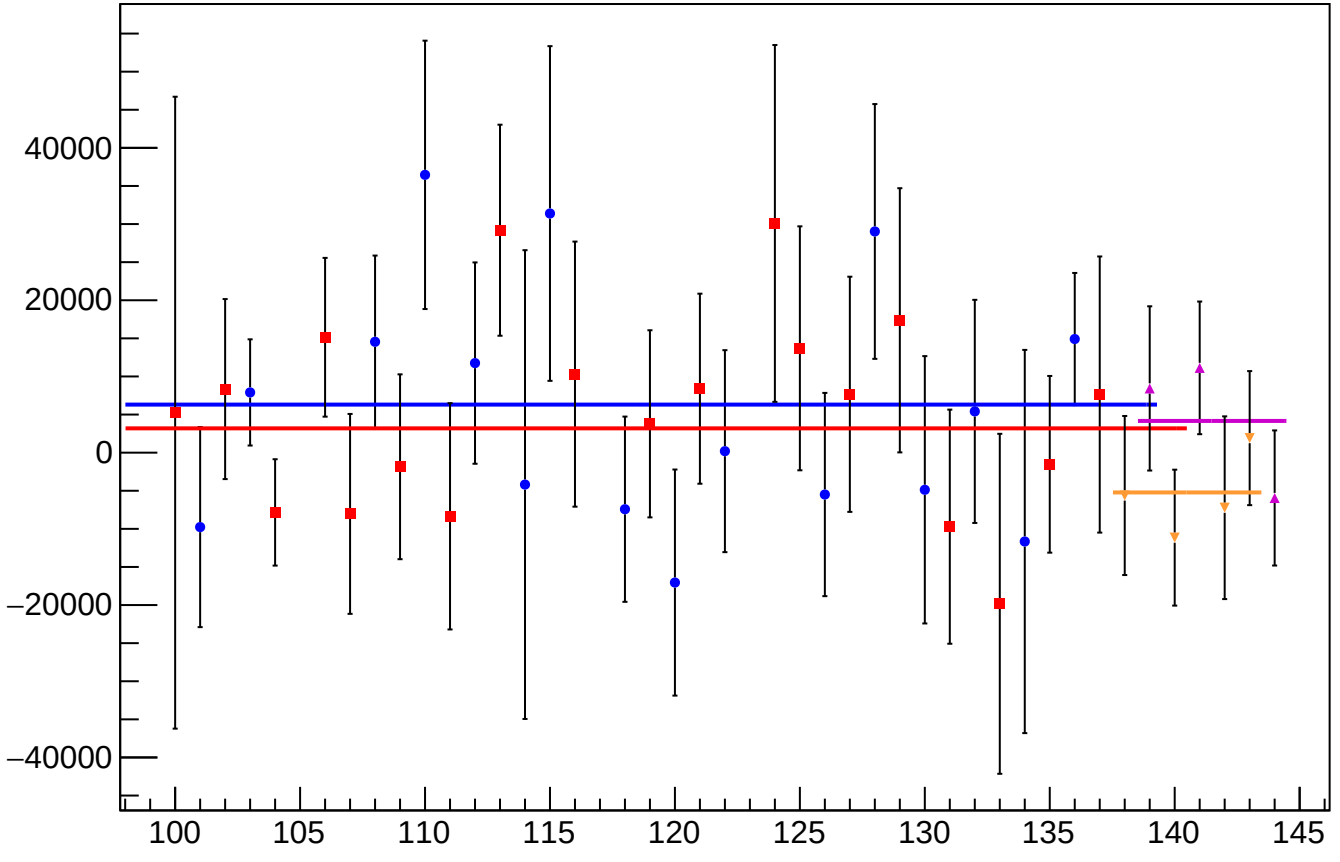
In: -1828.698+/-2761.813 χ^2/NDF:15.0/18

Out: 1127.210+/-2476.659 χ^2/NDF:17.6/22

All: -190.316+/-1843.862 χ^2/NDF: 33.2/41


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
145
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8242.584+/-3.456 χ²/NDF:5191.0/3
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 8719.794+/-3.827 χ²/NDF:27648.7/2
Left: 8456.932+/-2.565 χ²/NDF: 41405.9/6
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8506.035+/-1.953 χ²/NDF:612157.2/18
Out: 7749.509+/-1.751 χ²/NDF:1006711.2/22
All: 8086.713+/-1.304 χ²/NDF: 1702047.3/41

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5223.108+/-4900.898 χ^2/NDF:1.1/3

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 4164.363+/-5381.359 χ^2/NDF:2.1/2

Left: -967.066+/-3623.436 χ^2/NDF: 4.9/6

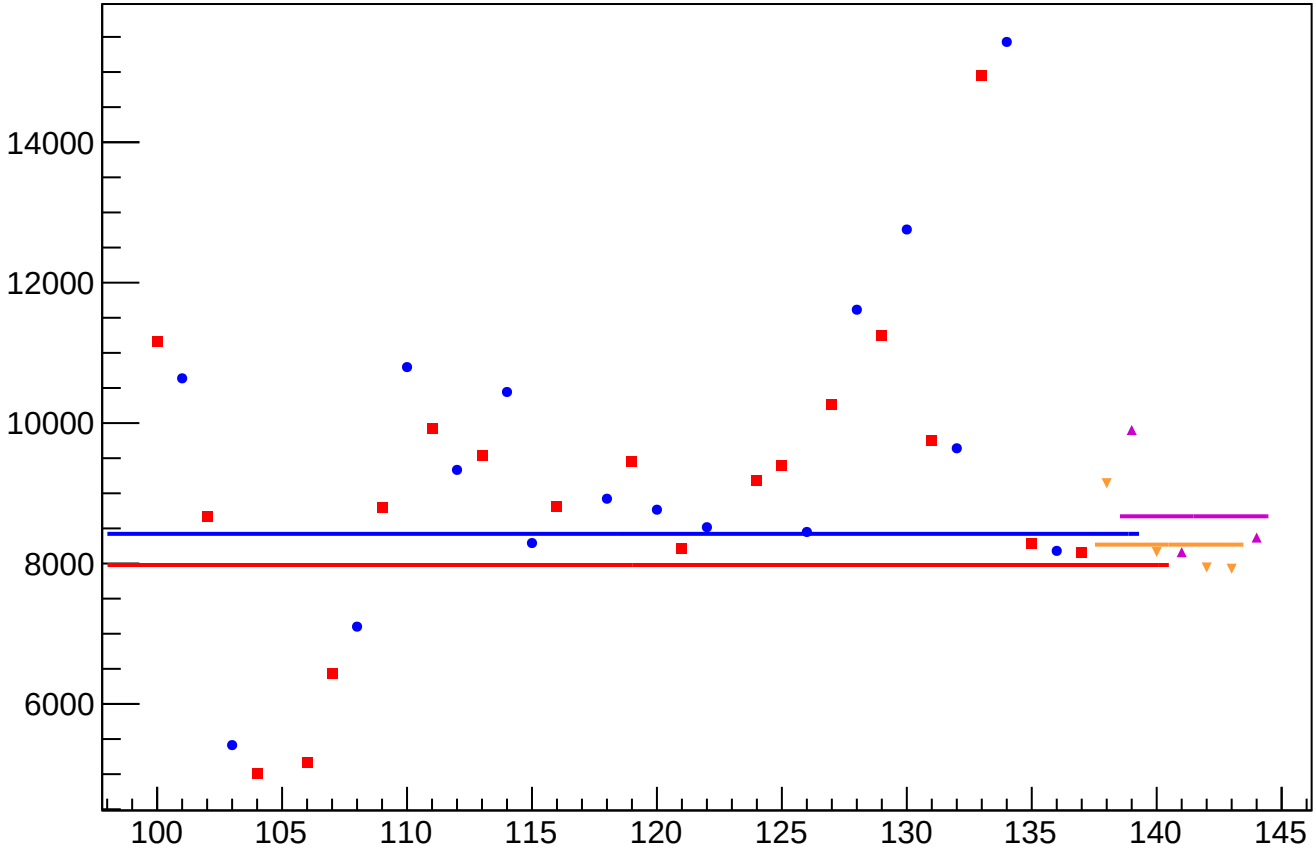
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 5737.044+/-2775.542 χ^2/NDF:17.3/18

Out: 820.109+/-2600.873 χ^2/NDF:17.1/22

All: 3119.004+/-1897.842 χ^2/NDF: 36.1/41

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8269.033+/-3.465 χ^2/NDF:18820.3/3

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8672.447+/-3.805 χ^2/NDF:35251.4/2

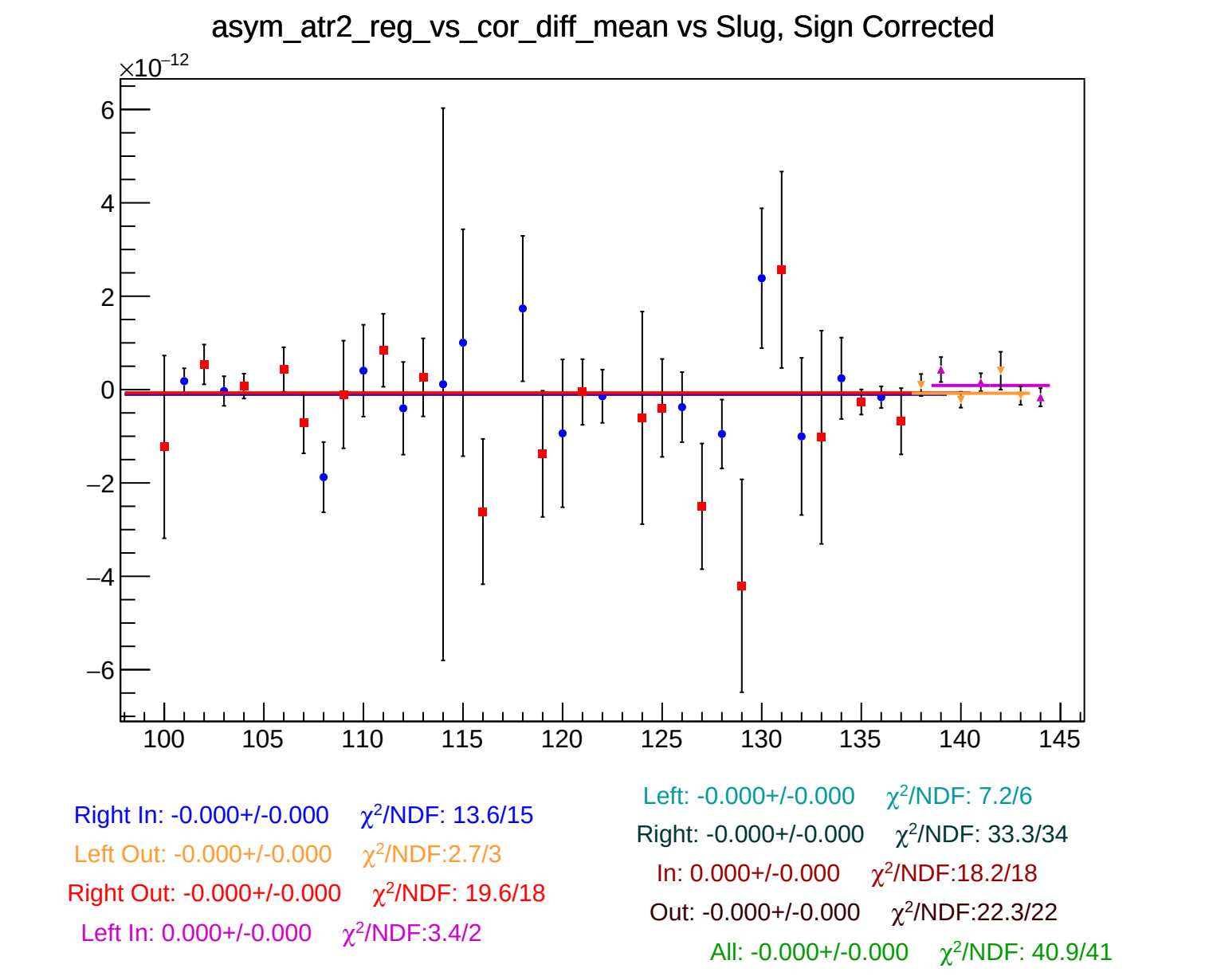
Left: 8451.931+/-2.562 χ^2/NDF: 60215.5/6

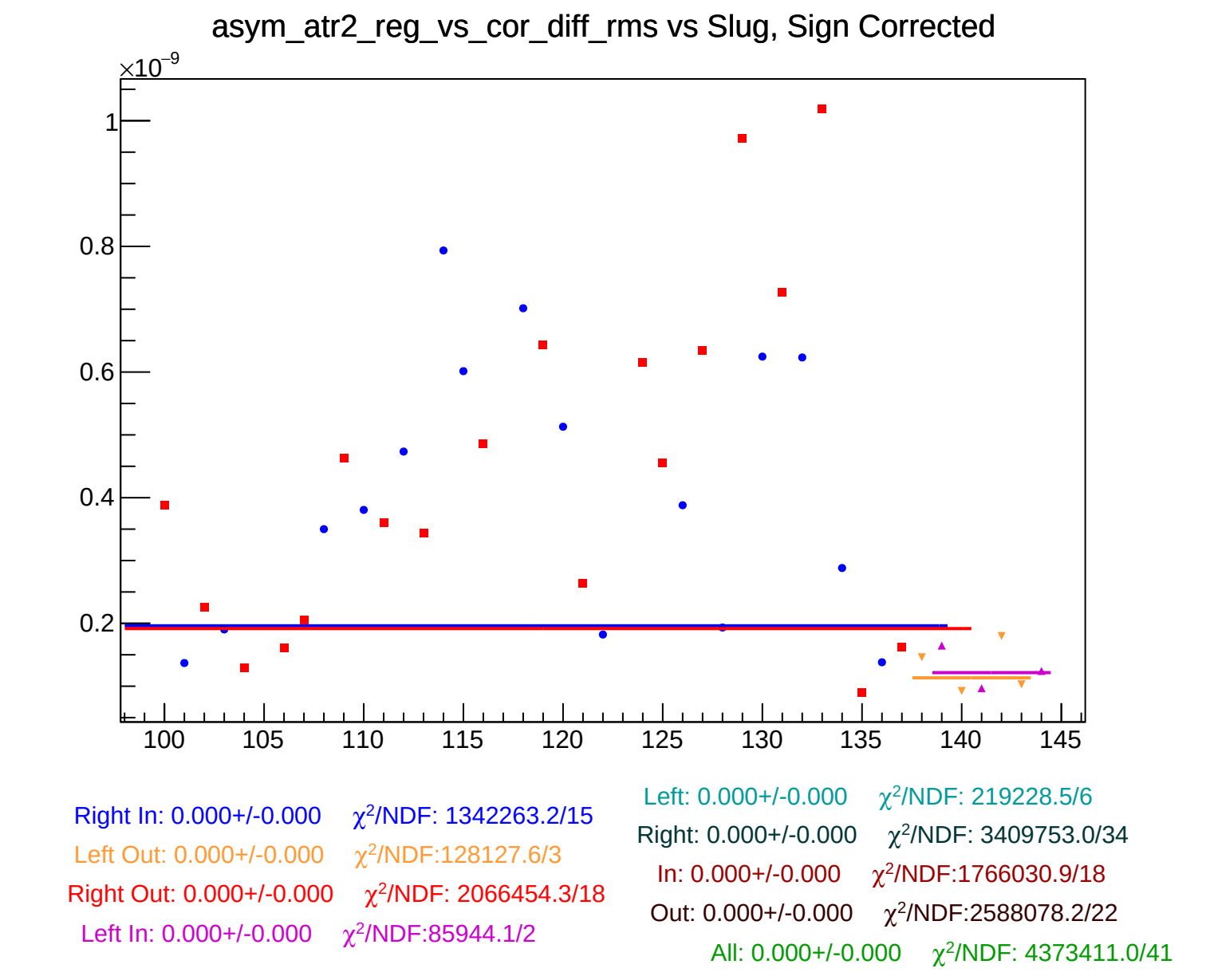
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8489.150+/-1.963 χ^2/NDF:920246.6/18

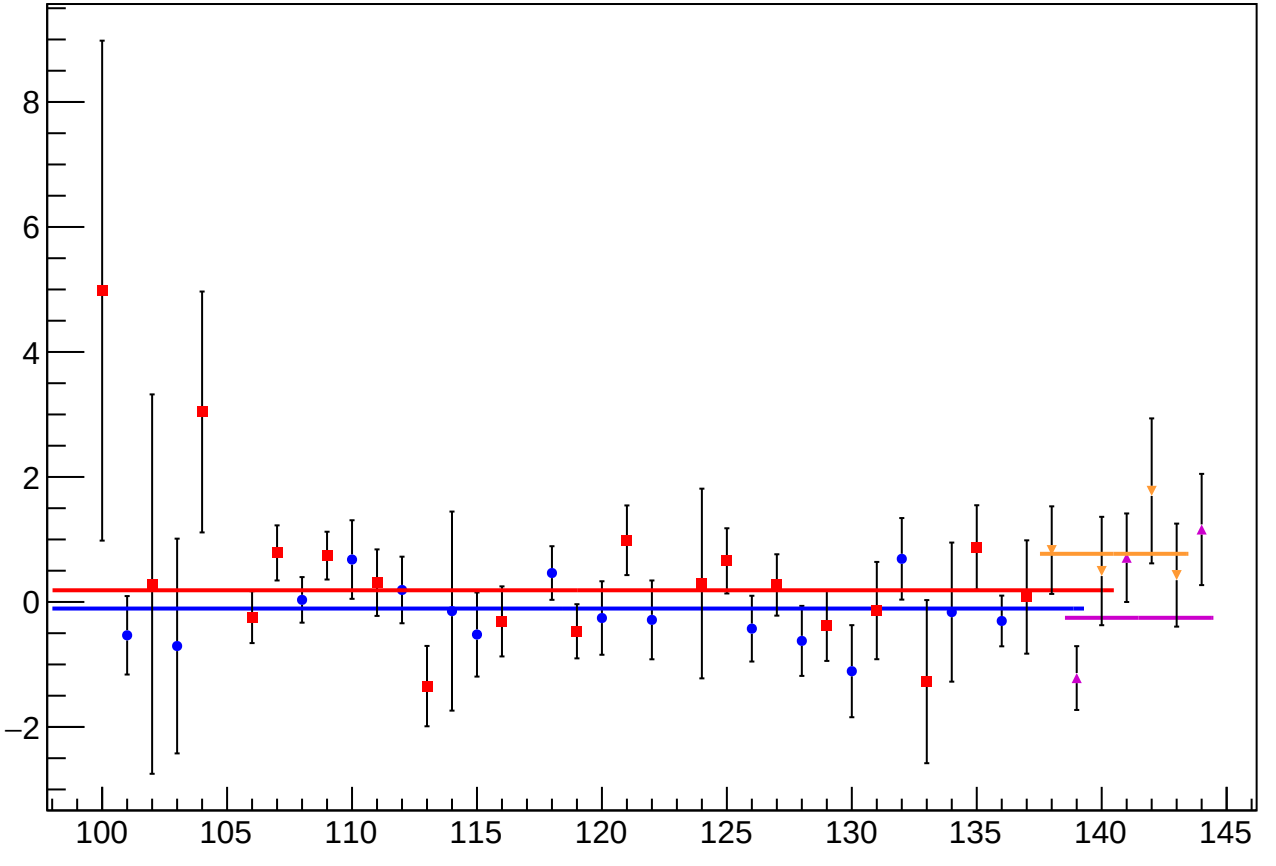
Out: 8060.679+/-1.839 χ^2/NDF:1039871.2/22

All: 8261.006+/-1.342 χ^2/NDF: 1985496.2/41


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.7/3
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:3.4/2
Left: -0.000+/-0.000 χ²/NDF: 7.2/6
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:18.2/18
Out: -0.000+/-0.000 χ²/NDF:22.3/22
All: -0.000+/-0.000 χ²/NDF: 40.9/41


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:128127.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:85944.1/2
Left: 0.000+/-0.000 χ²/NDF: 219228.5/6
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1766030.9/18
Out: 0.000+/-0.000 χ²/NDF:2588078.2/22
All: 0.000+/-0.000 χ²/NDF: 4373411.0/41

asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.254+/-0.375 χ^2/NDF:7.9/2

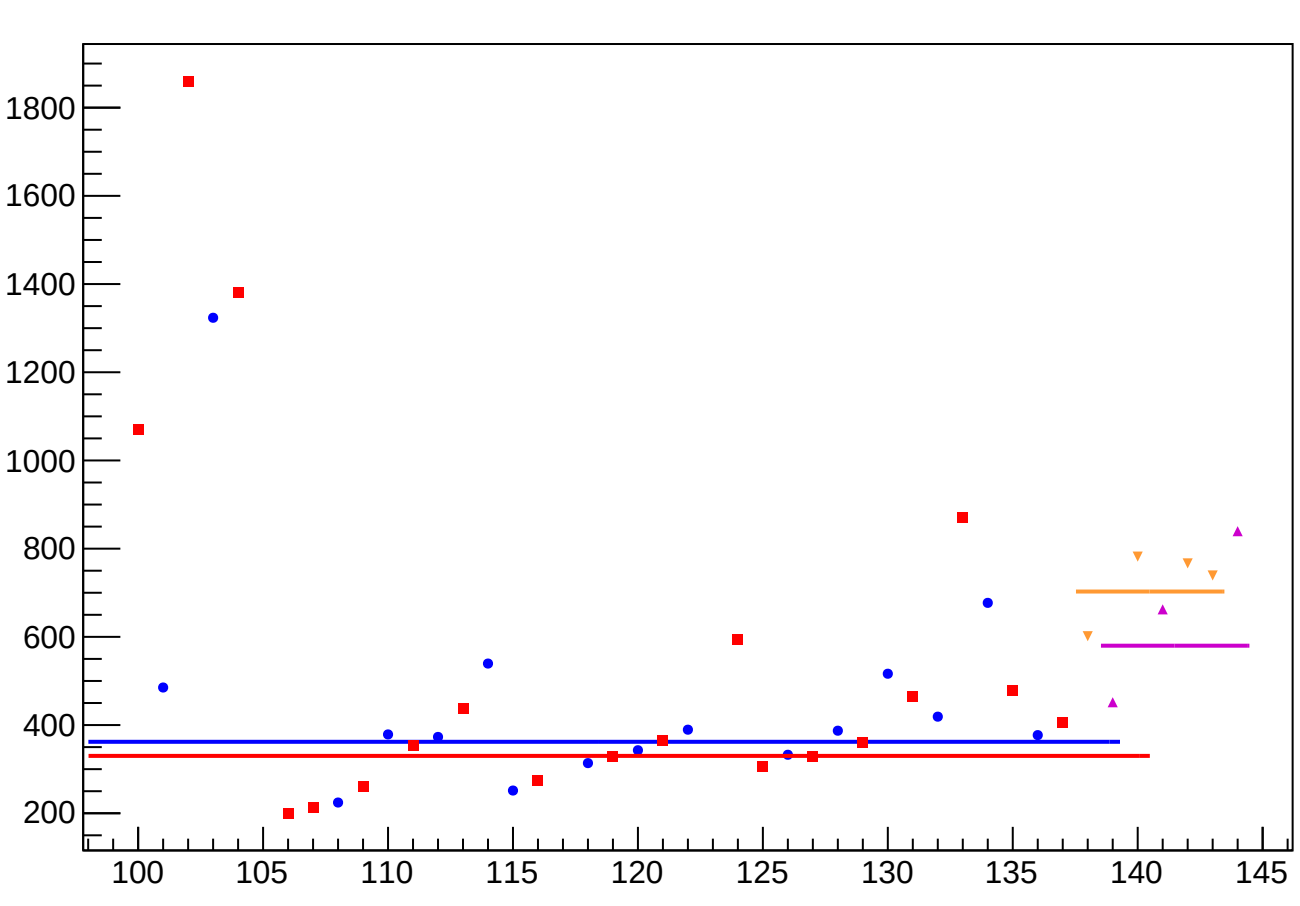
Left: 0.197+/-0.281 χ^2/NDF: 12.2/6

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.125+/-0.135 χ^2/NDF:17.8/18

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.065+/-0.094 χ^2/NDF: 48.2/41



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 579.962+/-0.266 χ^2/NDF:323500.7/2

Left: 634.051+/-0.199 χ^2/NDF: 486222.4/6

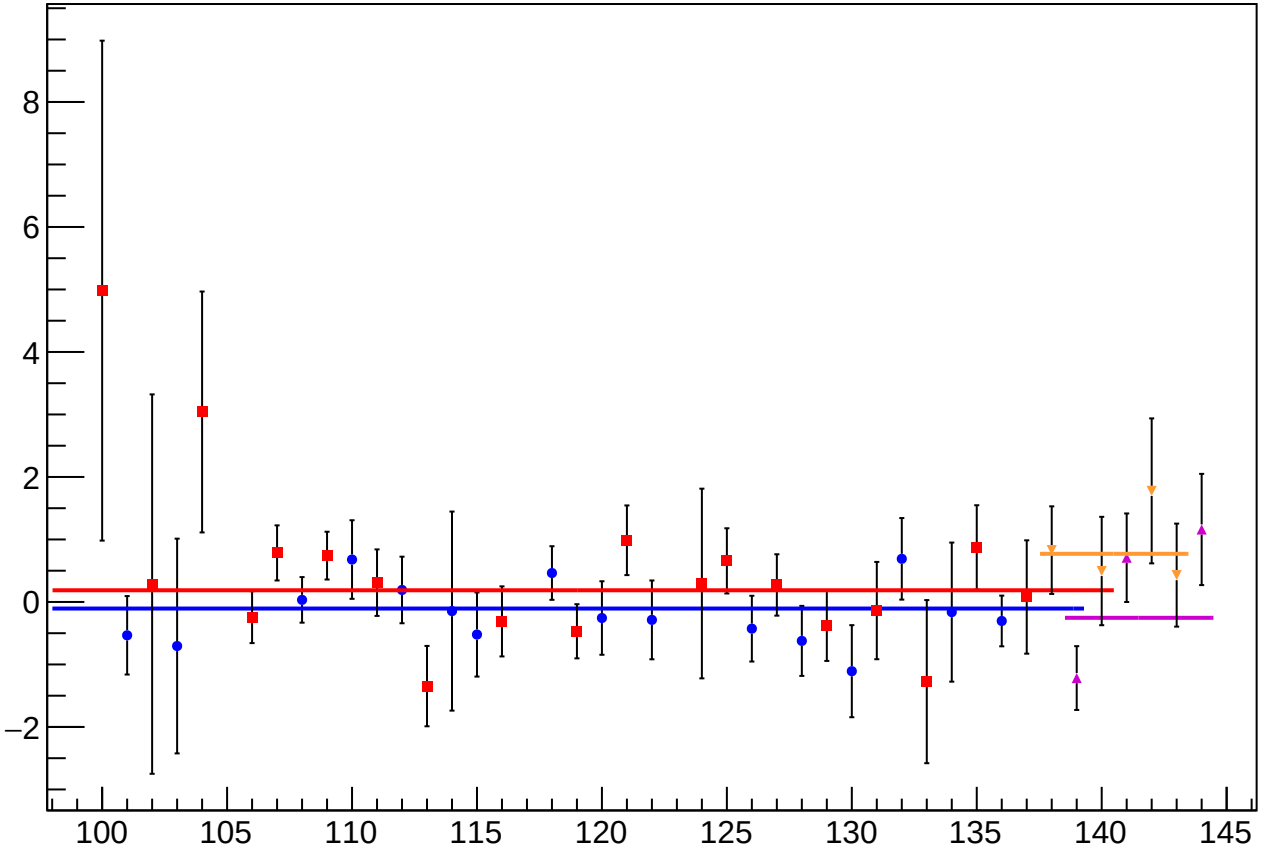
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 390.212+/-0.095 χ^2/NDF:2287446.1/18

Out: 365.622+/-0.092 χ^2/NDF:3717921.8/22

All: 377.518+/-0.066 χ^2/NDF: 6039616.5/41

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: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.254+/-0.375 χ^2/NDF:7.9/2

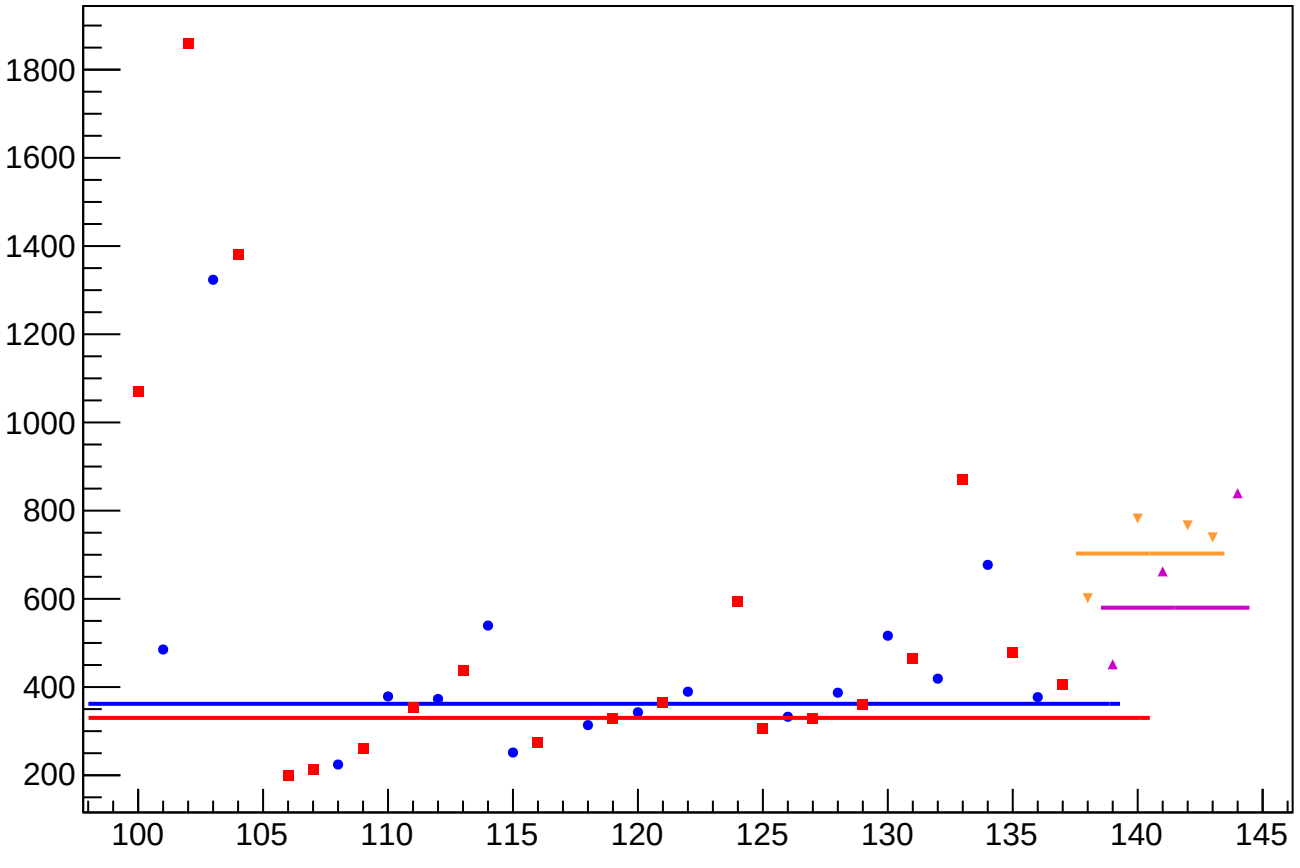
Left: 0.197+/-0.281 χ^2/NDF: 12.2/6

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.125+/-0.135 χ^2/NDF:17.8/18

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.065+/-0.094 χ^2/NDF: 48.2/41



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 579.962+/-0.266 χ^2/NDF:323500.7/2

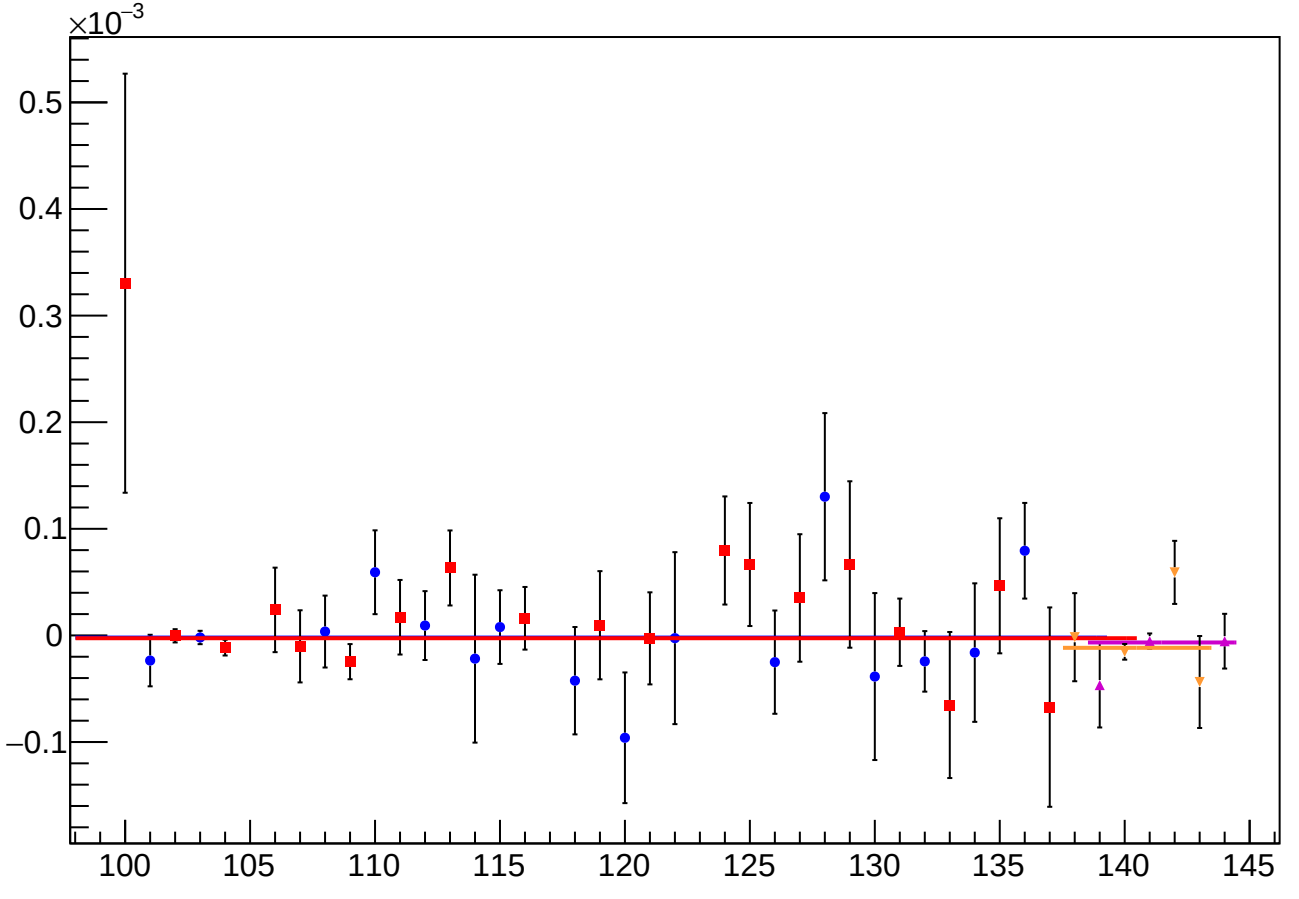
Left: 634.051+/-0.199 χ^2/NDF: 486222.4/6

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 390.212+/-0.095 χ^2/NDF:2287446.1/18

Out: 365.622+/-0.092 χ^2/NDF:3717921.8/22

All: 377.518+/-0.066 χ^2/NDF: 6039616.5/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

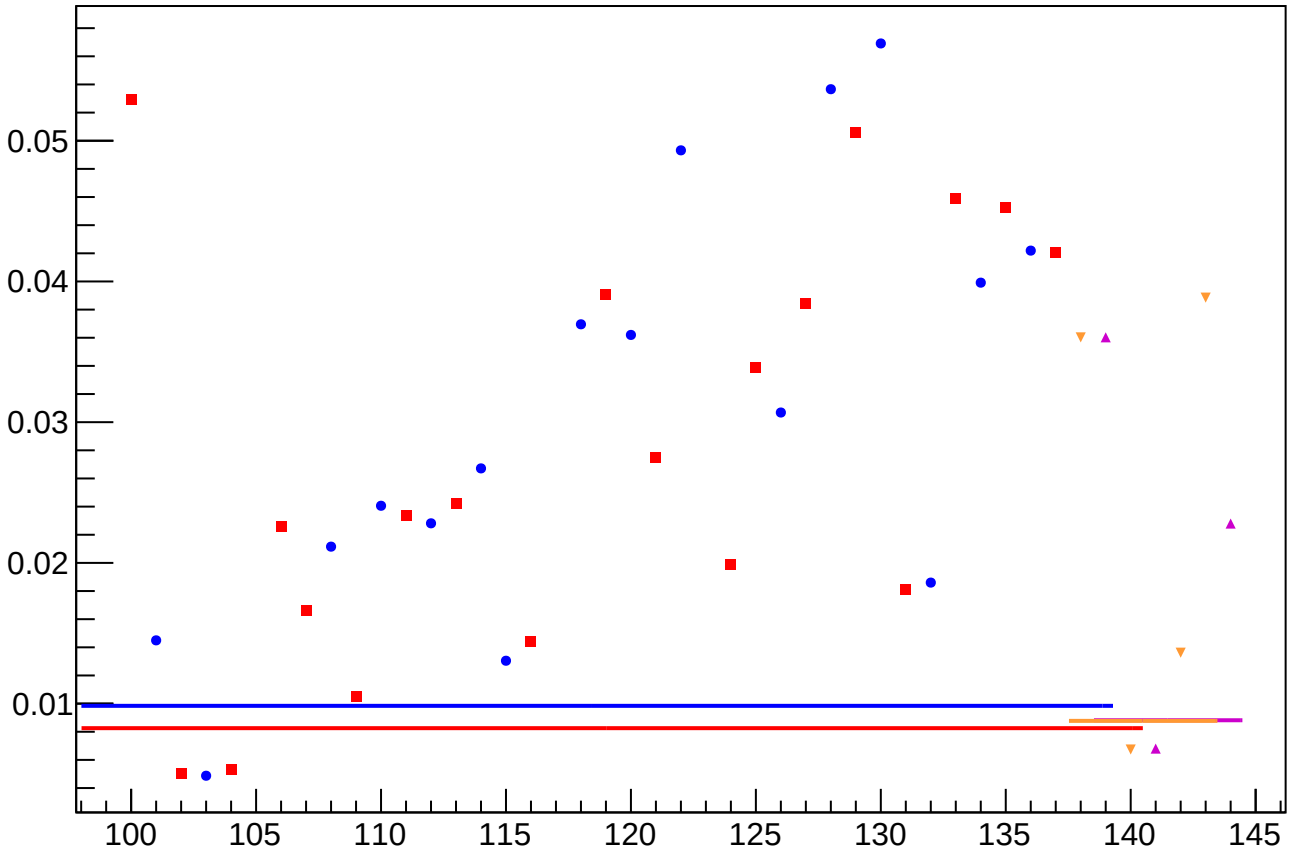
Left: -0.000+/-0.000 χ^2/NDF: 7.9/6

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.1/18

Out: -0.000+/-0.000 χ^2/NDF:26.0/22

All: -0.000+/-0.000 χ^2/NDF: 41.2/41



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:2049490.1/3

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1684140.8/2

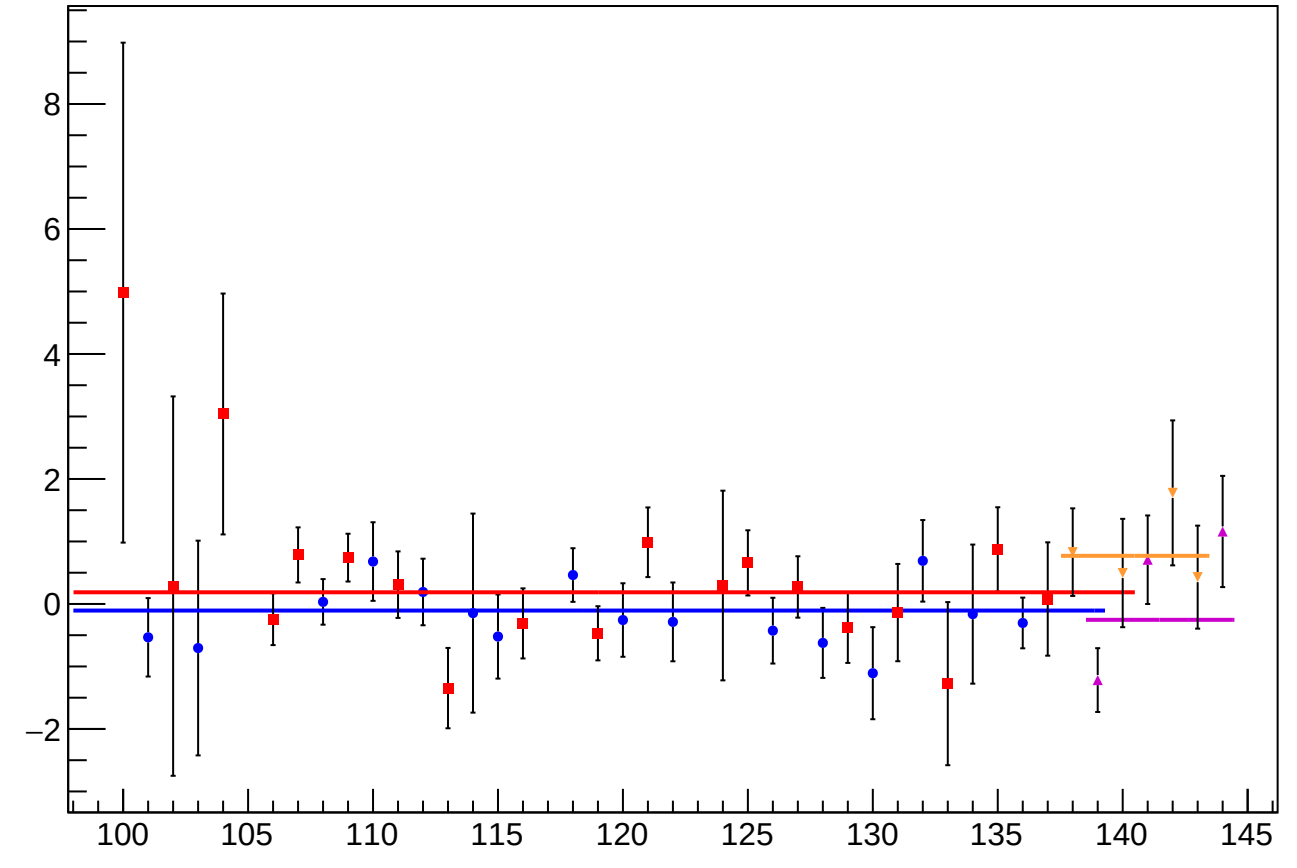
Left: 0.009+/-0.000 χ^2/NDF: 3733671.4/6

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.009+/-0.000 χ^2/NDF:8764023.3/18

Out: 0.008+/-0.000 χ^2/NDF:8798593.3/22

All: 0.009+/-0.000 χ^2/NDF: 17634125.6/41



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.254+/-0.375 χ^2/NDF:7.9/2

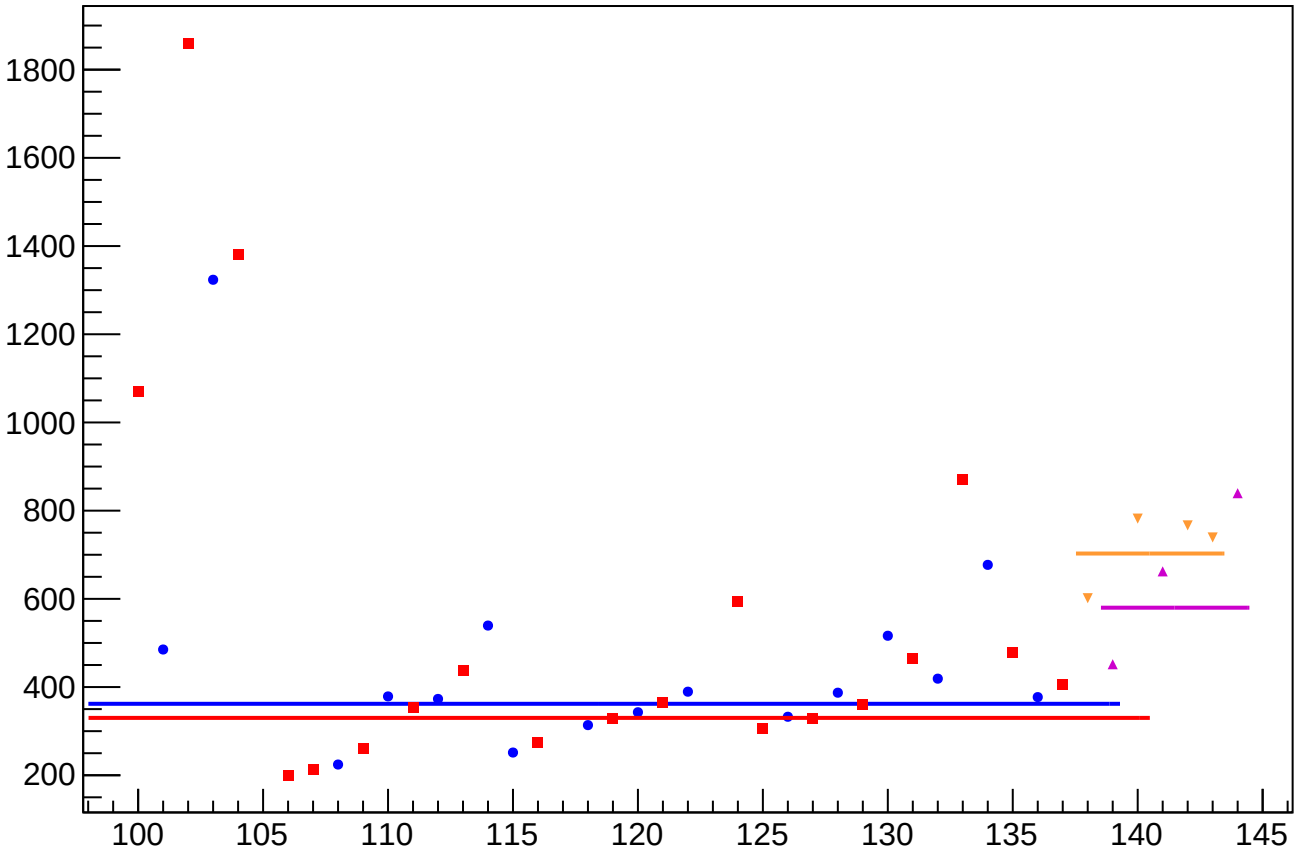
Left: 0.197+/-0.281 χ^2/NDF: 12.2/6

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.125+/-0.135 χ^2/NDF:17.8/18

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.065+/-0.094 χ^2/NDF: 48.2/41



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 579.968+/-0.266 χ^2/NDF:323487.0/2

Left: 634.059+/-0.199 χ^2/NDF: 486203.4/6

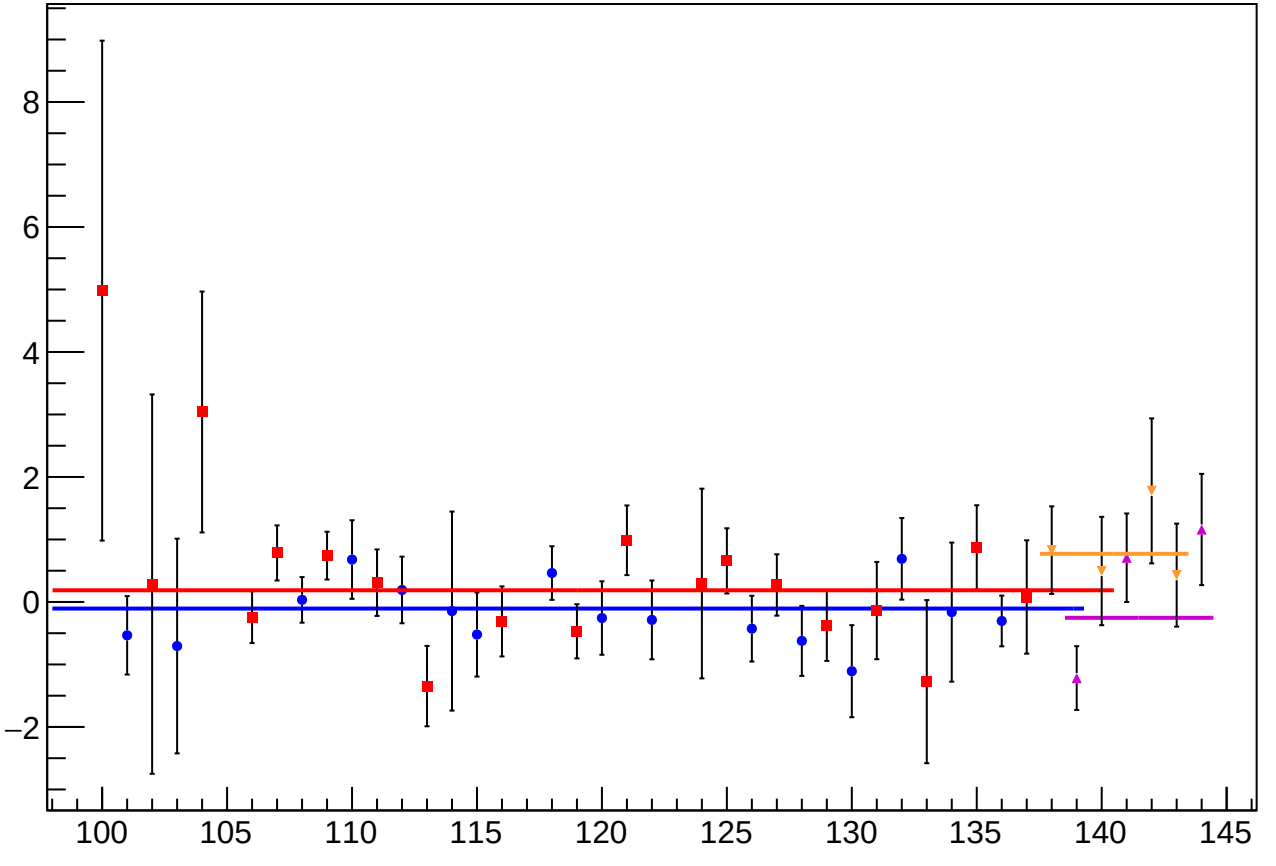
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 390.210+/-0.095 χ^2/NDF:2287475.9/18

Out: 365.621+/-0.092 χ^2/NDF:3717953.8/22

All: 377.516+/-0.066 χ^2/NDF: 6039676.0/41

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: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.254+/-0.375 χ^2/NDF:7.9/2

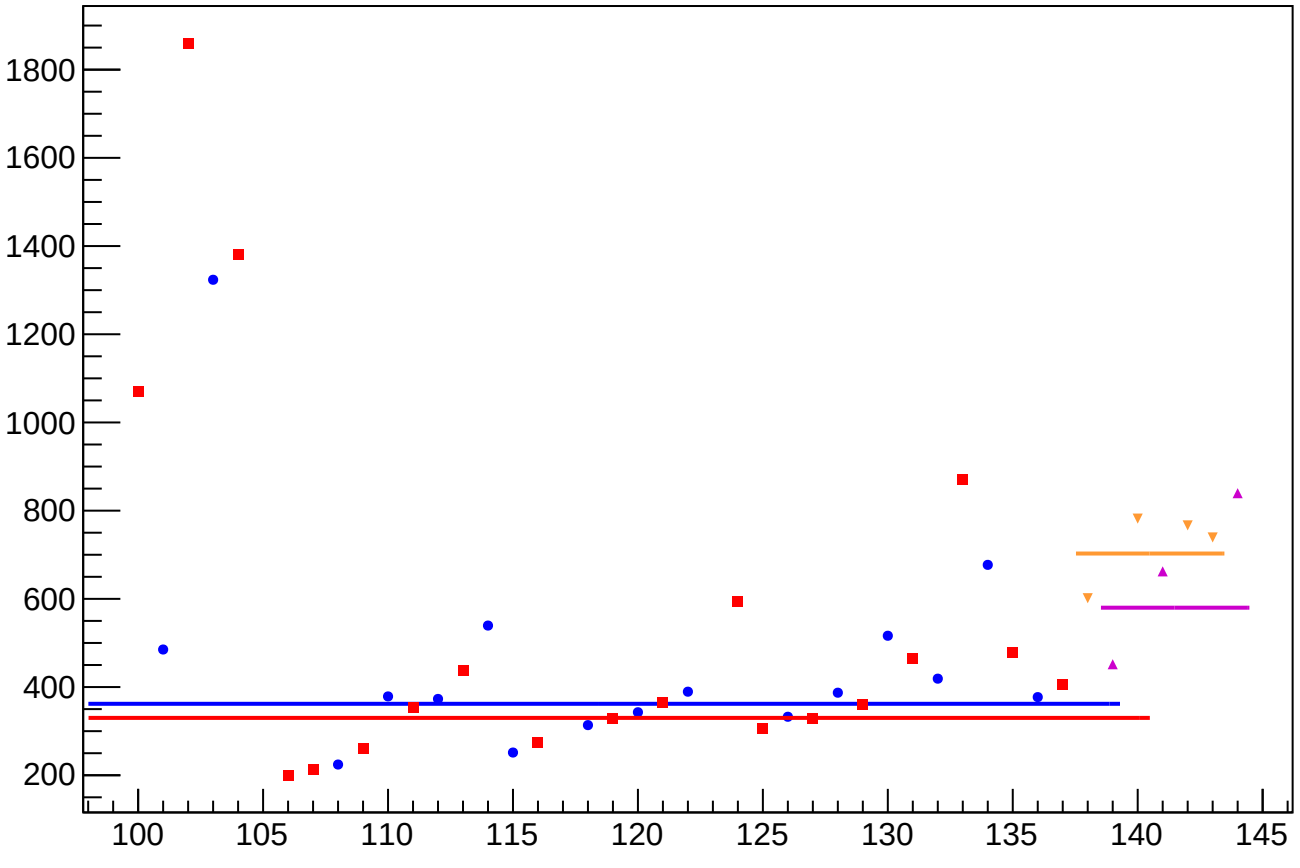
Left: 0.197+/-0.281 χ^2/NDF: 12.2/6

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.125+/-0.135 χ^2/NDF:17.8/18

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.065+/-0.094 χ^2/NDF: 48.2/41



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 579.968+/-0.266 χ^2/NDF:323487.0/2

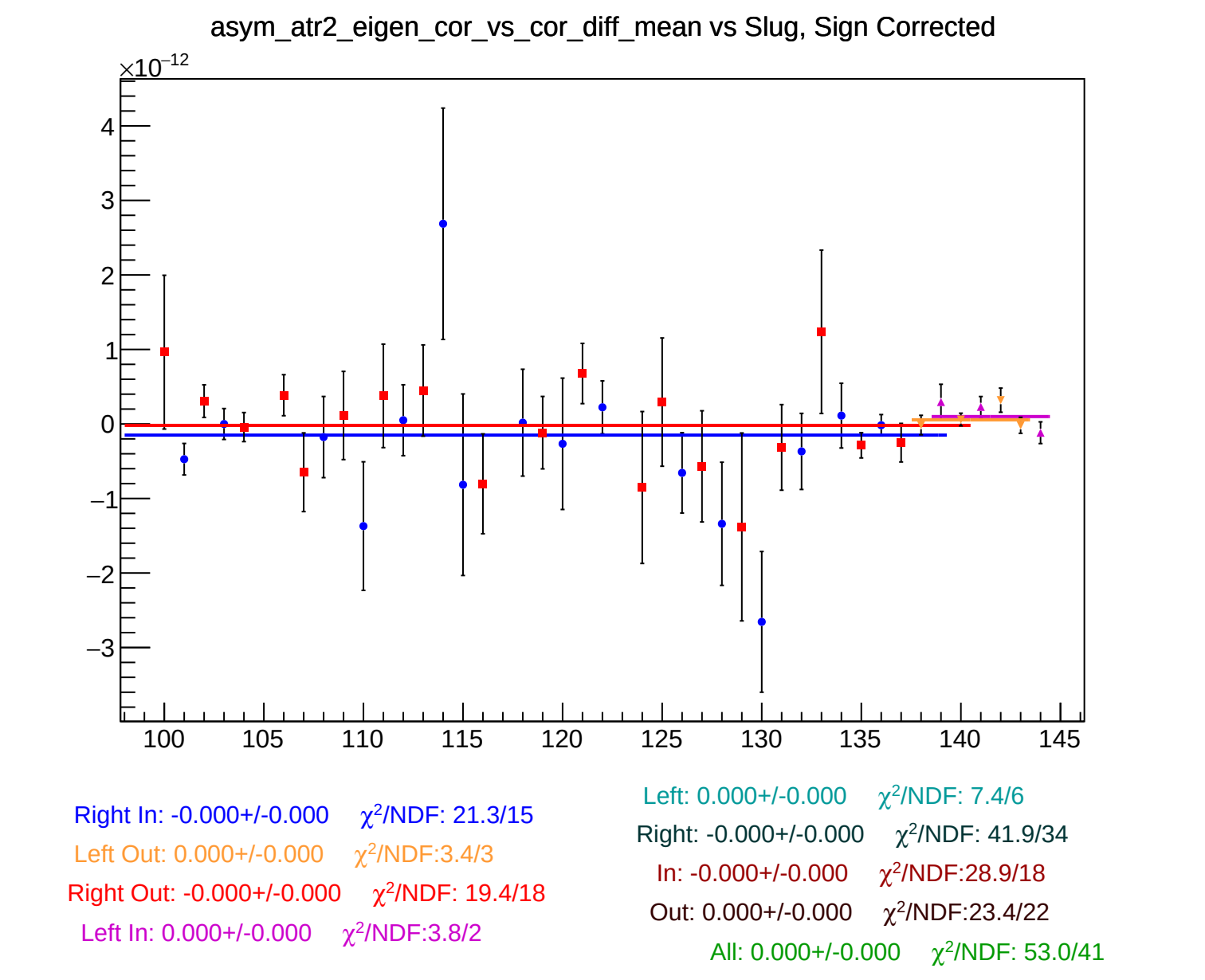
Left: 634.059+/-0.199 χ^2/NDF: 486203.4/6

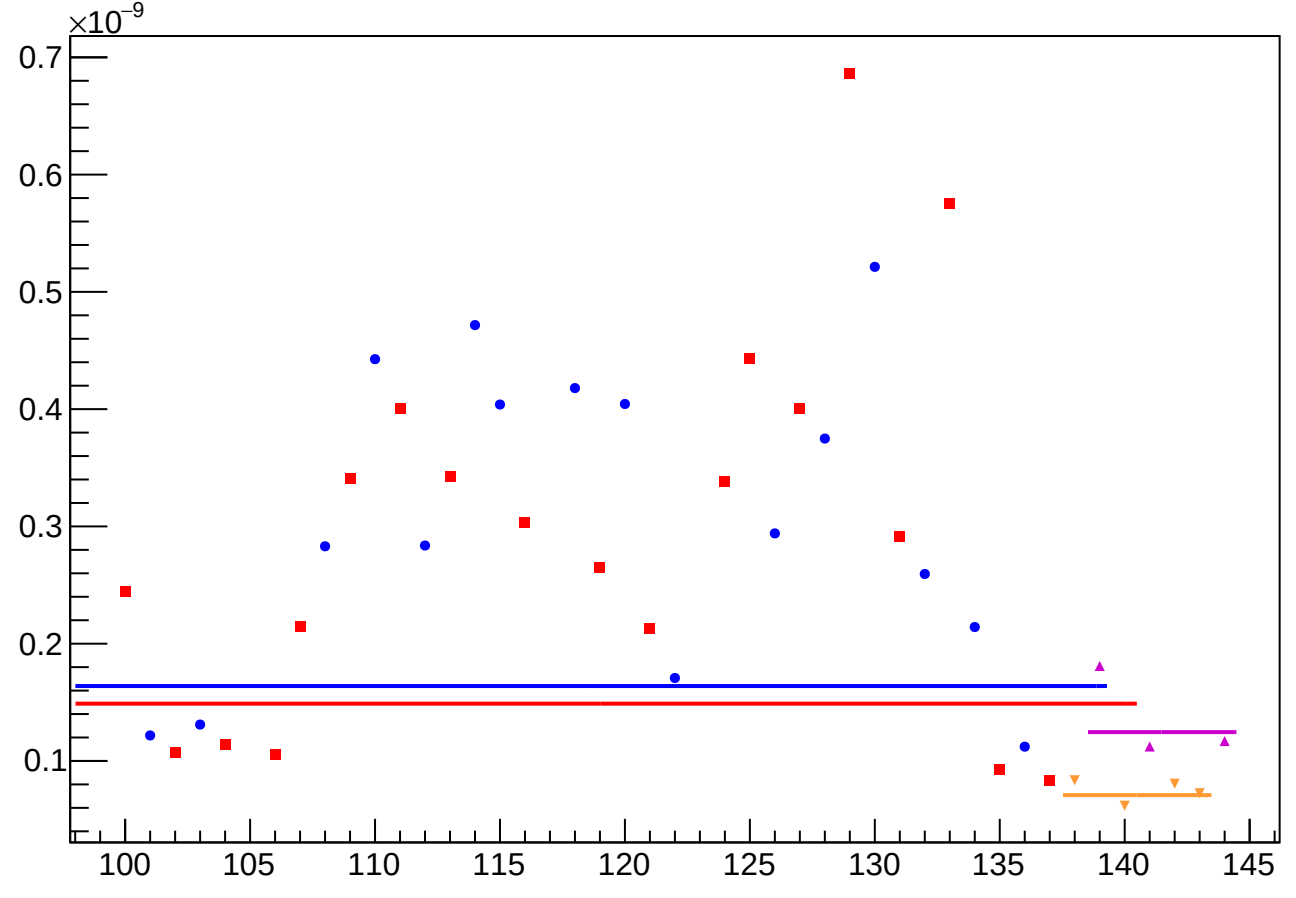
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 390.210+/-0.095 χ^2/NDF:2287475.9/18

Out: 365.621+/-0.092 χ^2/NDF:3717953.8/22

All: 377.516+/-0.066 χ^2/NDF: 6039676.0/41


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:3.8/2
Left: 0.000+/-0.000 χ²/NDF: 7.4/6
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:28.9/18
Out: 0.000+/-0.000 χ²/NDF:23.4/22
All: 0.000+/-0.000 χ²/NDF: 53.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:49038.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:133736.3/2

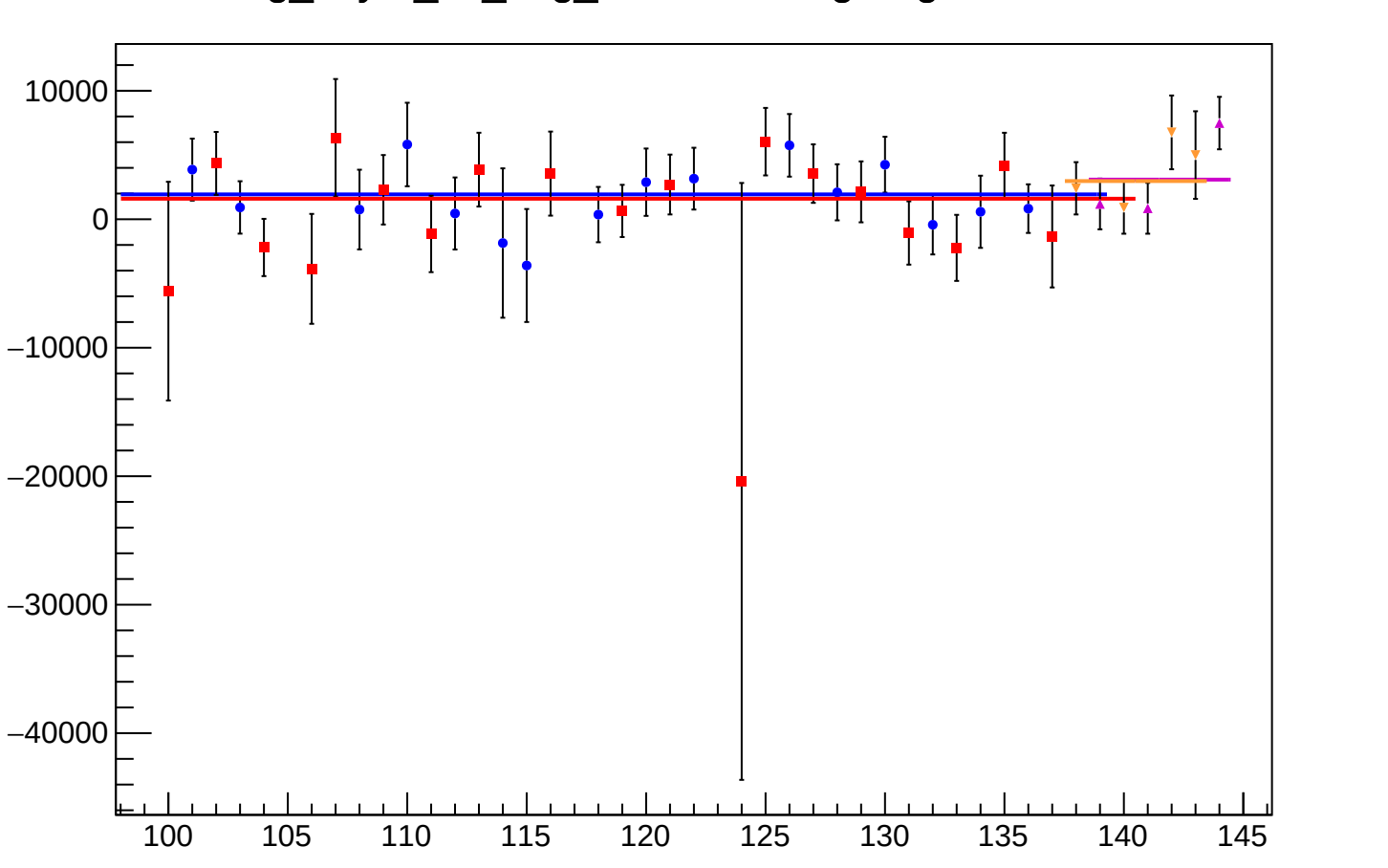
Left: 0.000+/-0.000 χ^2/NDF: 678154.3/6

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2335802.0/18

Out: 0.000+/-0.000 χ^2/NDF:4101296.4/22

All: 0.000+/-0.000 χ^2/NDF: 7261236.0/41



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.285+/-1203.531 χ^2/NDF:3.2/3

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 3084.882+/-1153.264 χ^2/NDF:6.8/2

Left: 3030.984+/-832.685 χ^2/NDF: 10.0/6

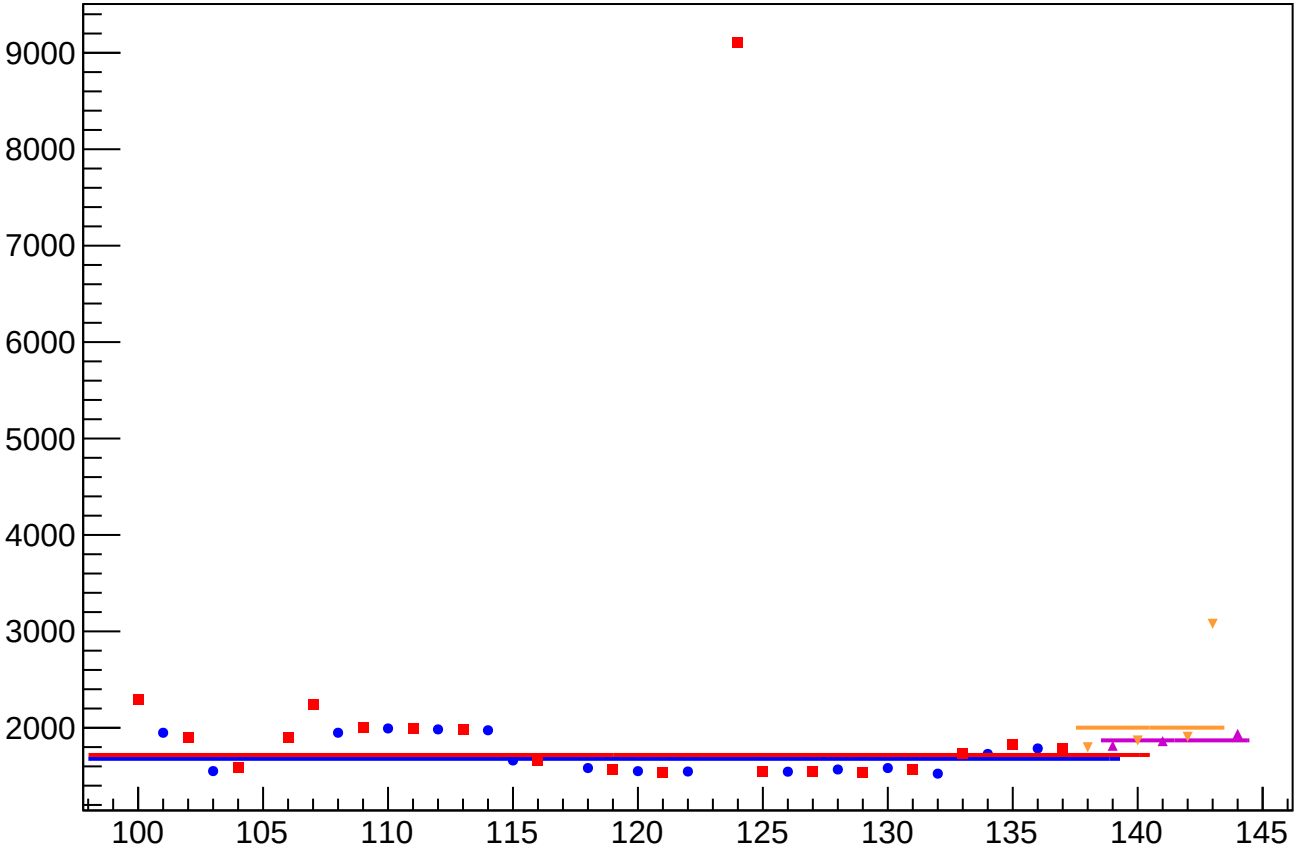
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2197.717+/-551.445 χ^2/NDF:18.5/18

Out: 1902.547+/-566.590 χ^2/NDF:23.6/22

All: 2054.129+/-395.176 χ^2/NDF: 42.2/41

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

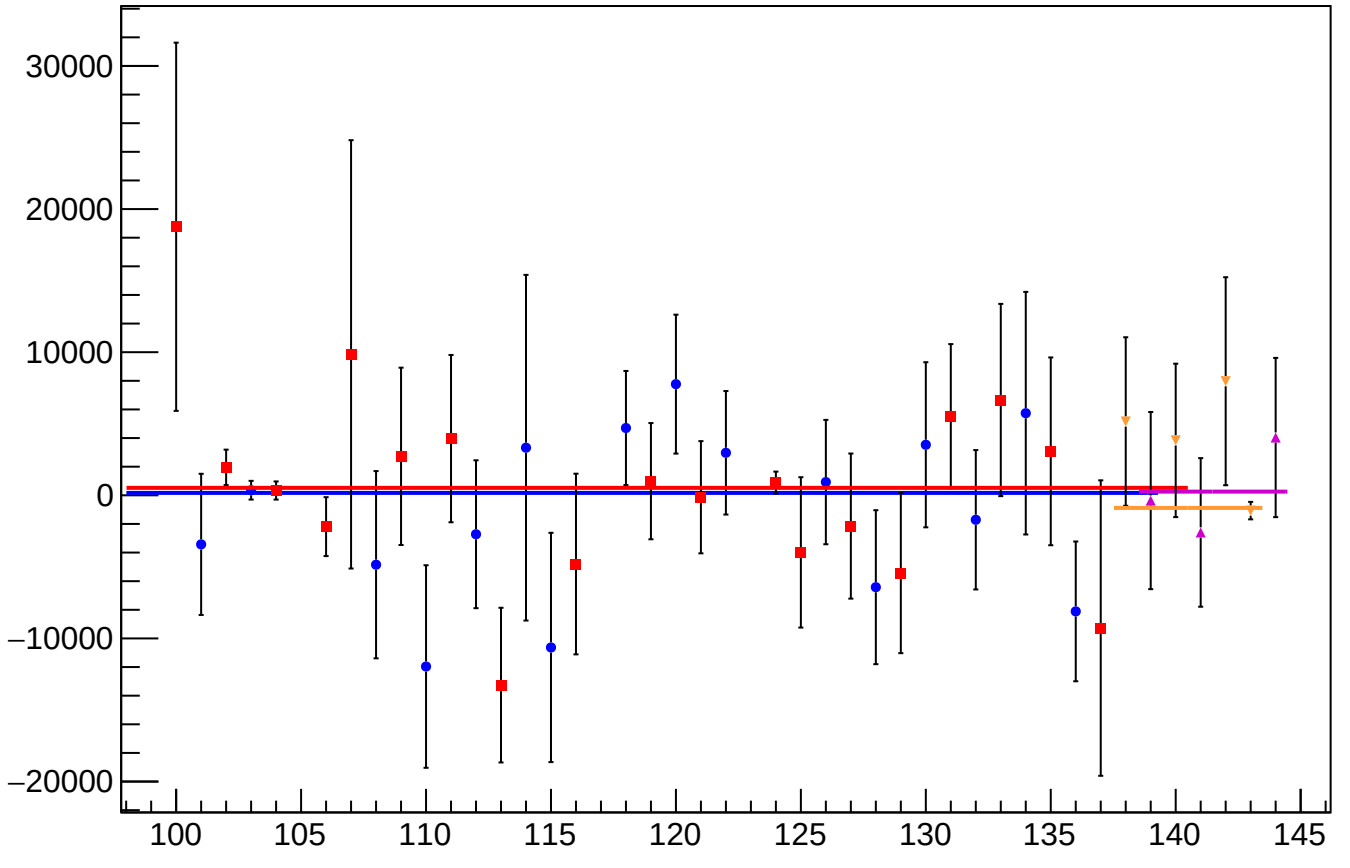
Left: 1932.790+/-0.589 χ^2/NDF: 246810.3/6

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1722.234+/-0.390 χ^2/NDF:187645.4/18

Out: 1780.628+/-0.399 χ^2/NDF:700066.7/22

All: 1750.748+/-0.279 χ^2/NDF: 898662.9/41



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -881.120+/-601.212 χ^2/NDF:3.4/3

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 257.537+/-3235.691 χ^2/NDF:0.8/2

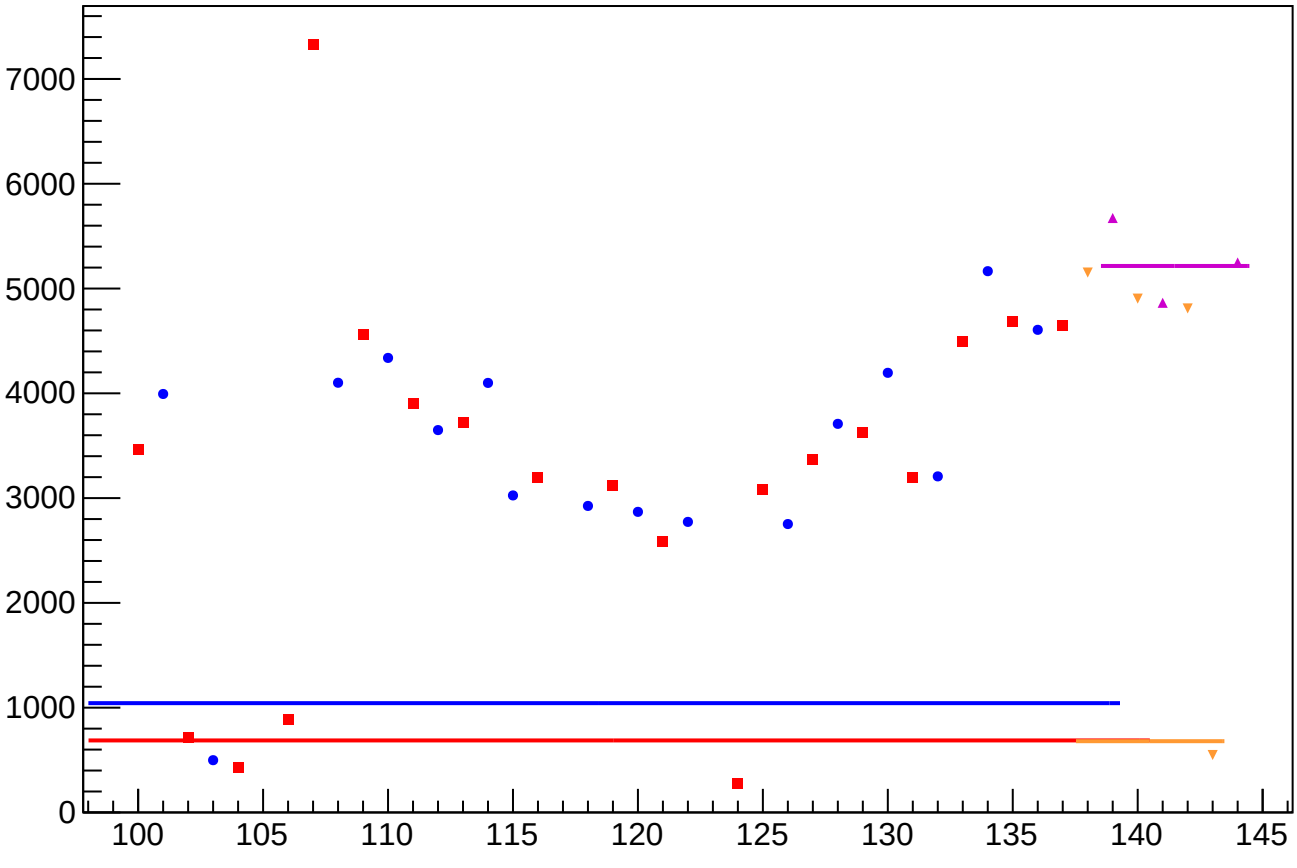
Left: -843.121+/-591.095 χ^2/NDF: 4.3/6

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 171.170+/-581.959 χ^2/NDF:16.6/18

Out: 54.176+/-346.926 χ^2/NDF:25.6/22

All: 84.852+/-297.993 χ^2/NDF: 42.2/41



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 680.141+/-0.425 χ^2/NDF:3135173.6/3

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5215.435+/-2.288 χ^2/NDF:20173.5/2

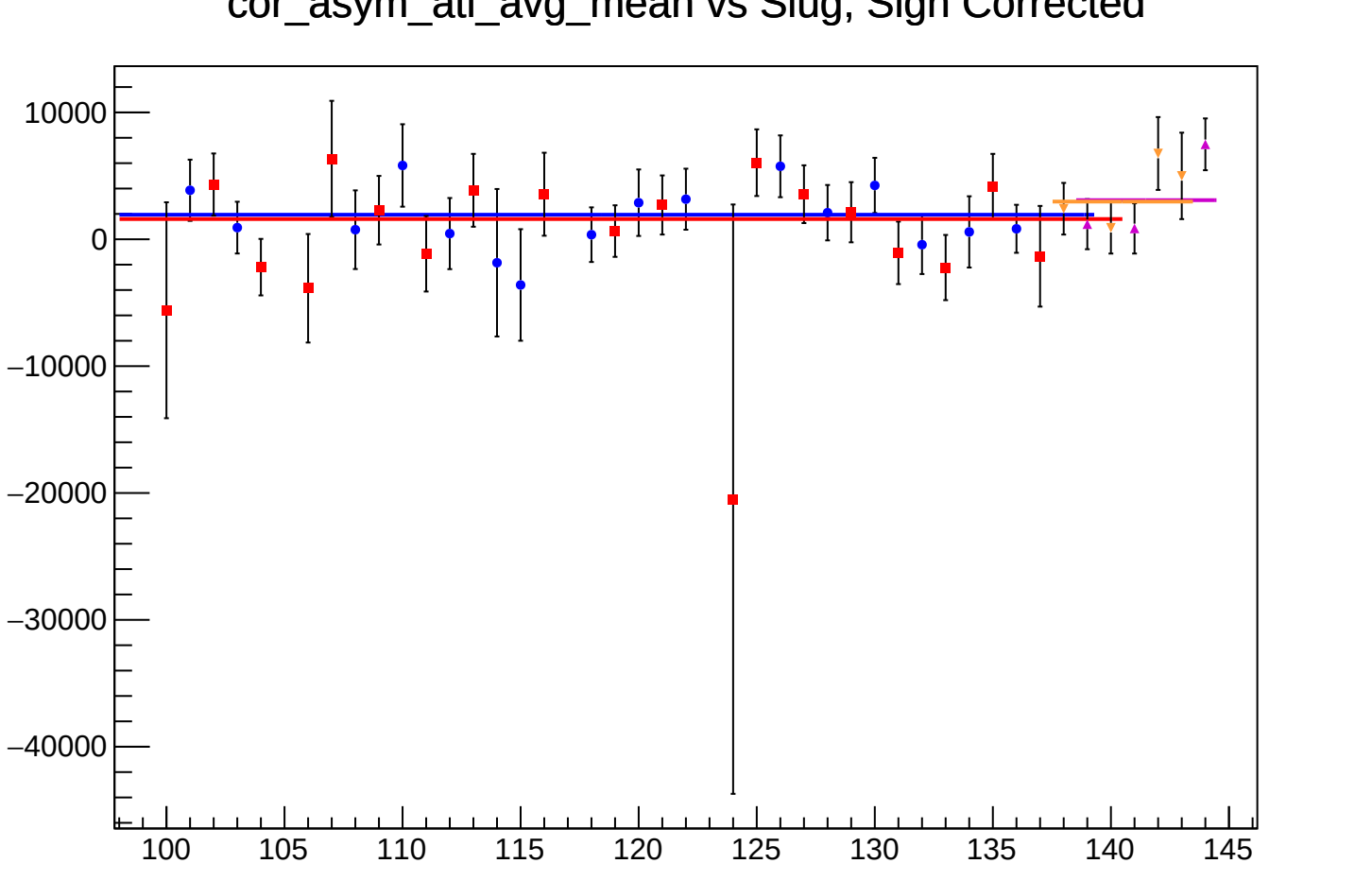
Left: 831.493+/-0.418 χ^2/NDF: 6953445.6/6

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1178.084+/-0.412 χ^2/NDF:11349951.3/18

Out: 684.936+/-0.245 χ^2/NDF:11766893.9/22

All: 814.238+/-0.211 χ^2/NDF: 24176441.4/41



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 3085.068+/-1153.264 χ^2/NDF:6.8/2

Left: 3031.185+/-832.685 χ^2/NDF: 10.0/6

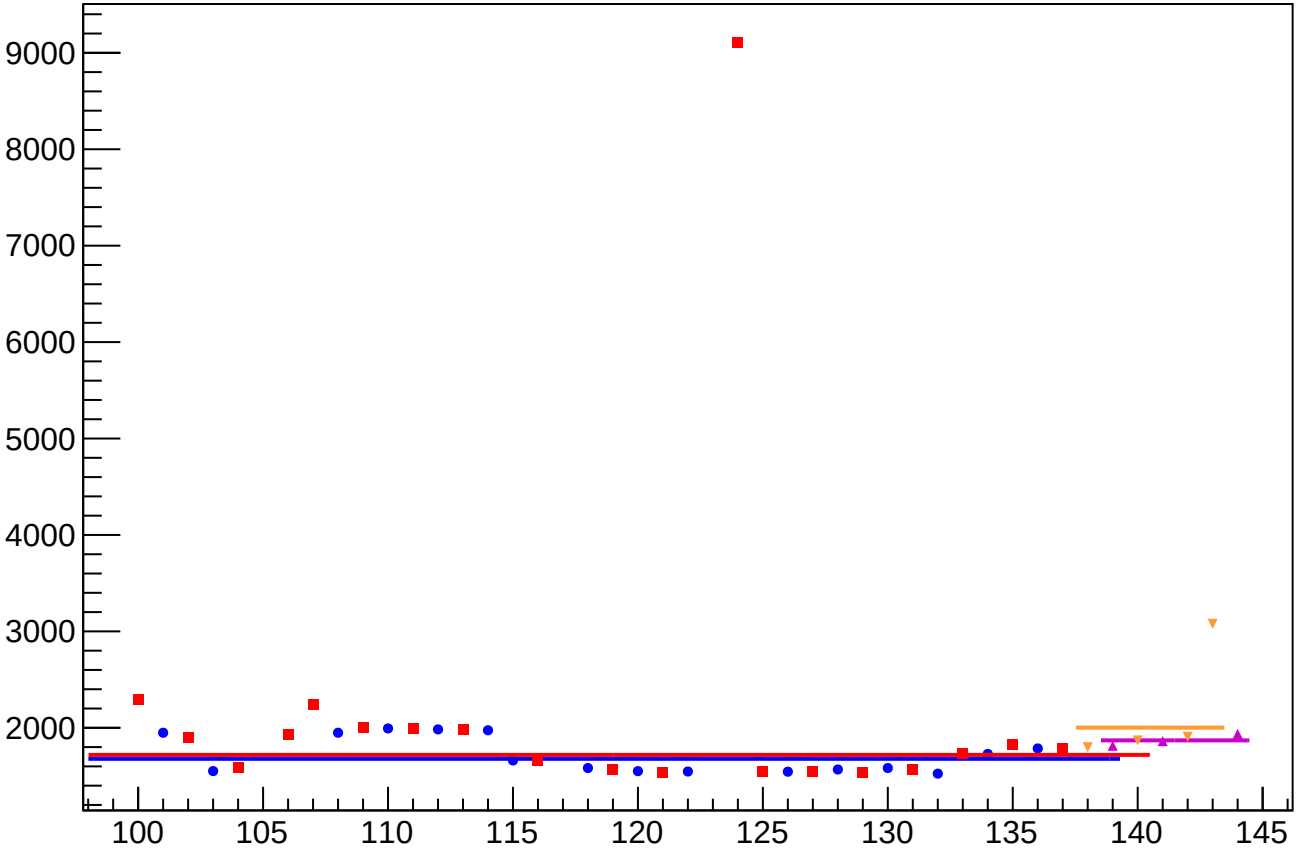
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2197.849+/-551.445 χ^2/NDF:18.5/18

Out: 1900.701+/-566.593 χ^2/NDF:23.6/22

All: 2053.300+/-395.177 χ^2/NDF: 42.2/41

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

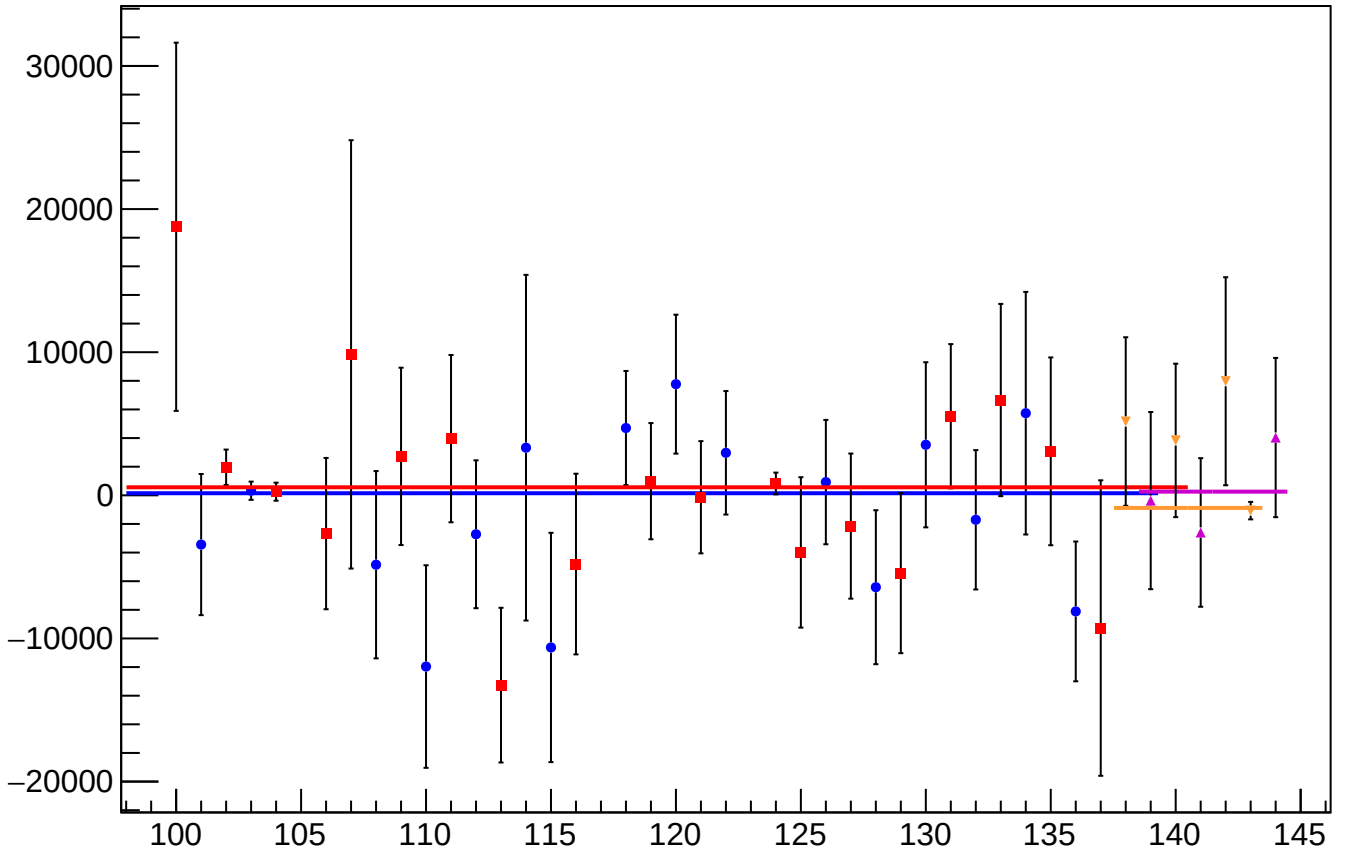
Left: 1932.791+/-0.589 χ^2/NDF: 246810.3/6

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.234+/-0.390 χ^2/NDF:187645.5/18

Out: 1781.326+/-0.399 χ^2/NDF:701282.8/22

All: 1751.077+/-0.279 χ^2/NDF: 900138.4/41



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -880.723+/-601.188 χ^2/NDF:3.4/3

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 257.668+/-3235.689 χ^2/NDF:0.8/2

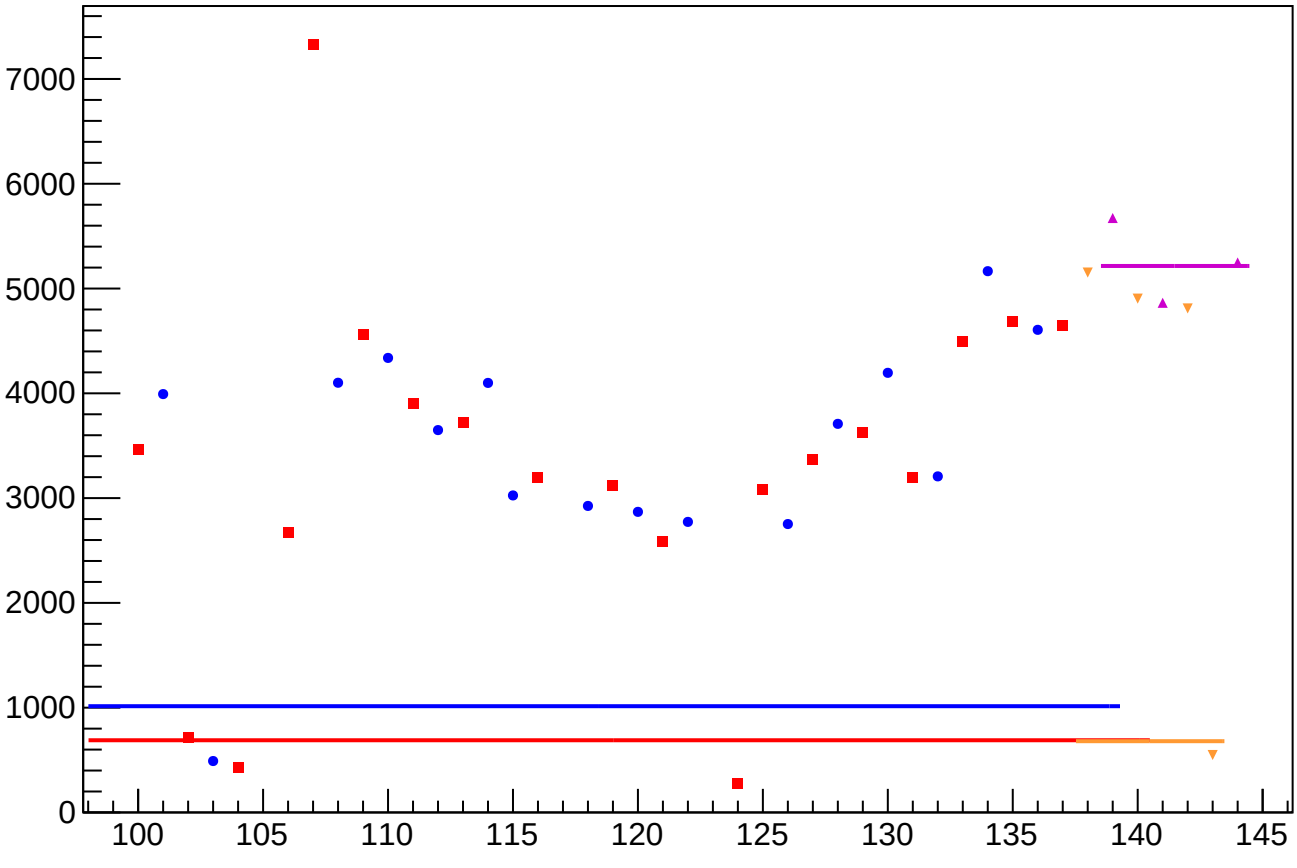
Left: -842.736+/-591.072 χ^2/NDF: 4.3/6

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 150.000+/-570.287 χ^2/NDF:16.6/18

Out: 72.428+/-350.080 χ^2/NDF:24.4/22

All: 93.659+/-298.350 χ^2/NDF: 41.0/41



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5215.431+/-2.288 χ^2/NDF:20173.9/2

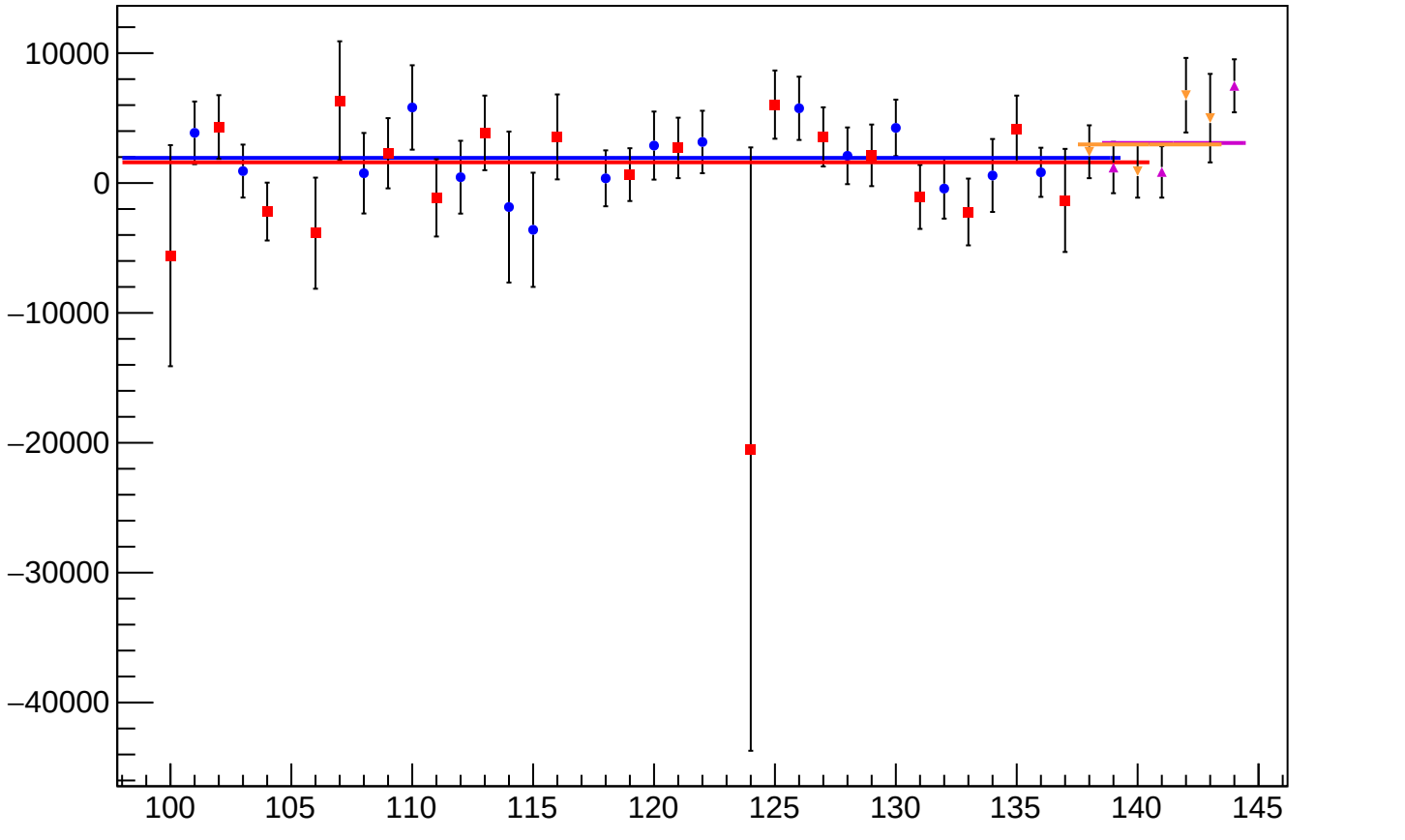
Left: 831.451+/-0.418 χ^2/NDF: 6953547.3/6

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1144.603+/-0.403 χ^2/NDF:11510323.3/18

Out: 686.022+/-0.248 χ^2/NDF:12045871.6/22

All: 811.533+/-0.211 χ^2/NDF: 24495477.8/41



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 3085.068+/-1153.264 χ^2/NDF:6.8/2

Left: 3031.185+/-832.685 χ^2/NDF: 10.0/6

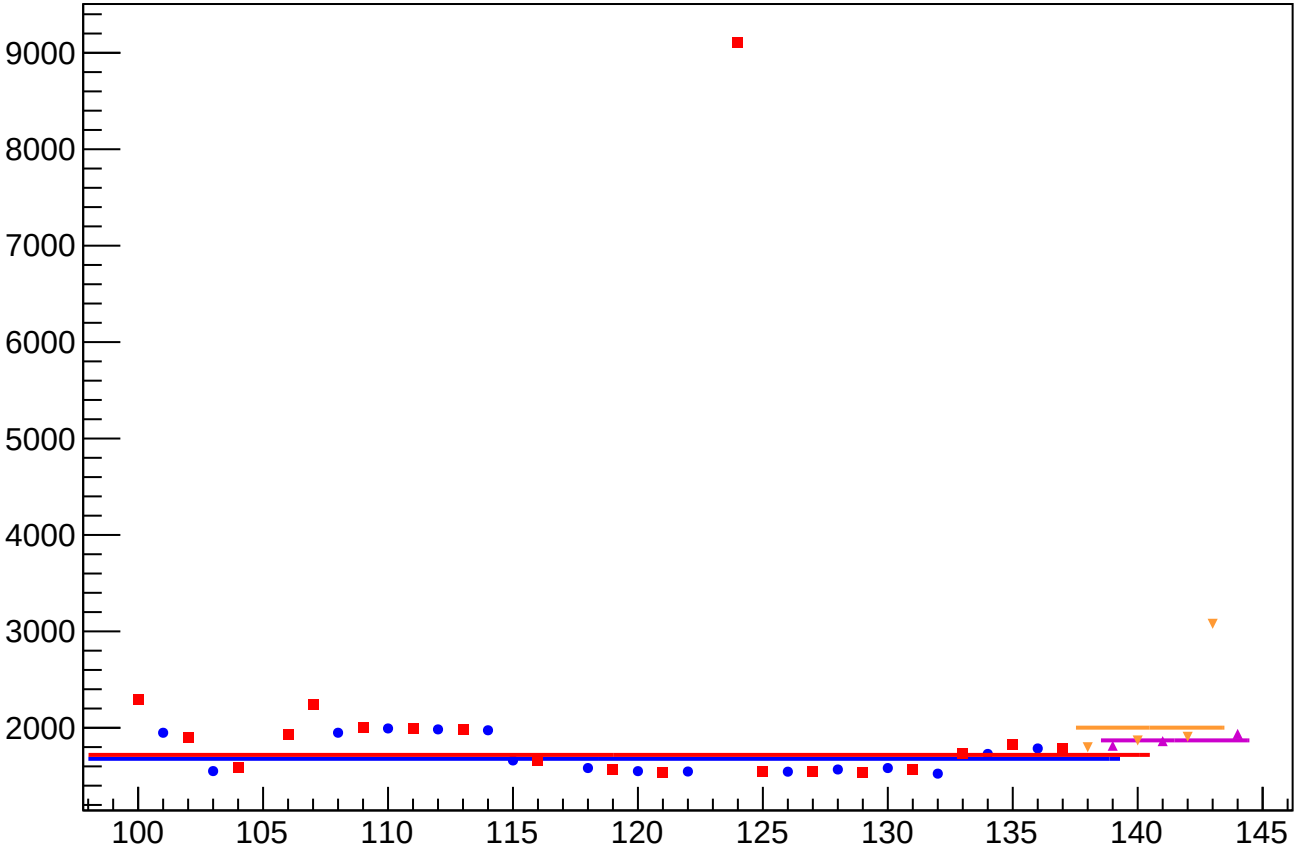
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2197.849+/-551.445 χ^2/NDF:18.5/18

Out: 1900.701+/-566.593 χ^2/NDF:23.6/22

All: 2053.300+/-395.177 χ^2/NDF: 42.2/41

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1869.637+/-0.815 χ^2/NDF:3805.5/2

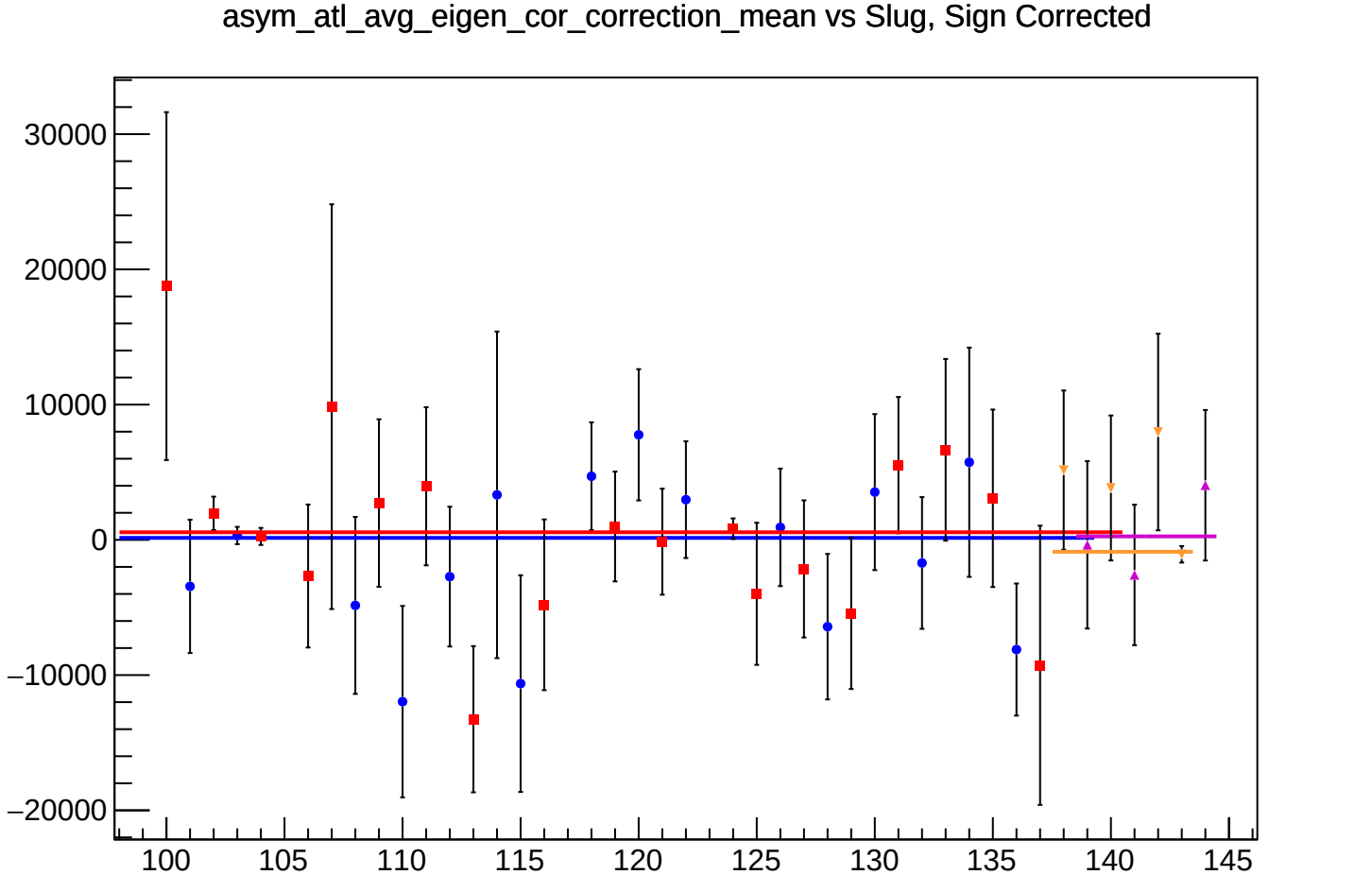
Left: 1932.791+/-0.589 χ^2/NDF: 246810.3/6

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.234+/-0.390 χ^2/NDF:187645.5/18

Out: 1781.326+/-0.399 χ^2/NDF:701282.8/22

All: 1751.077+/-0.279 χ^2/NDF: 900138.4/41



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -880.723+/-601.188 χ^2/NDF:3.4/3

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 257.668+/-3235.689 χ^2/NDF:0.8/2

Left: -842.736+/-591.072 χ^2/NDF: 4.3/6

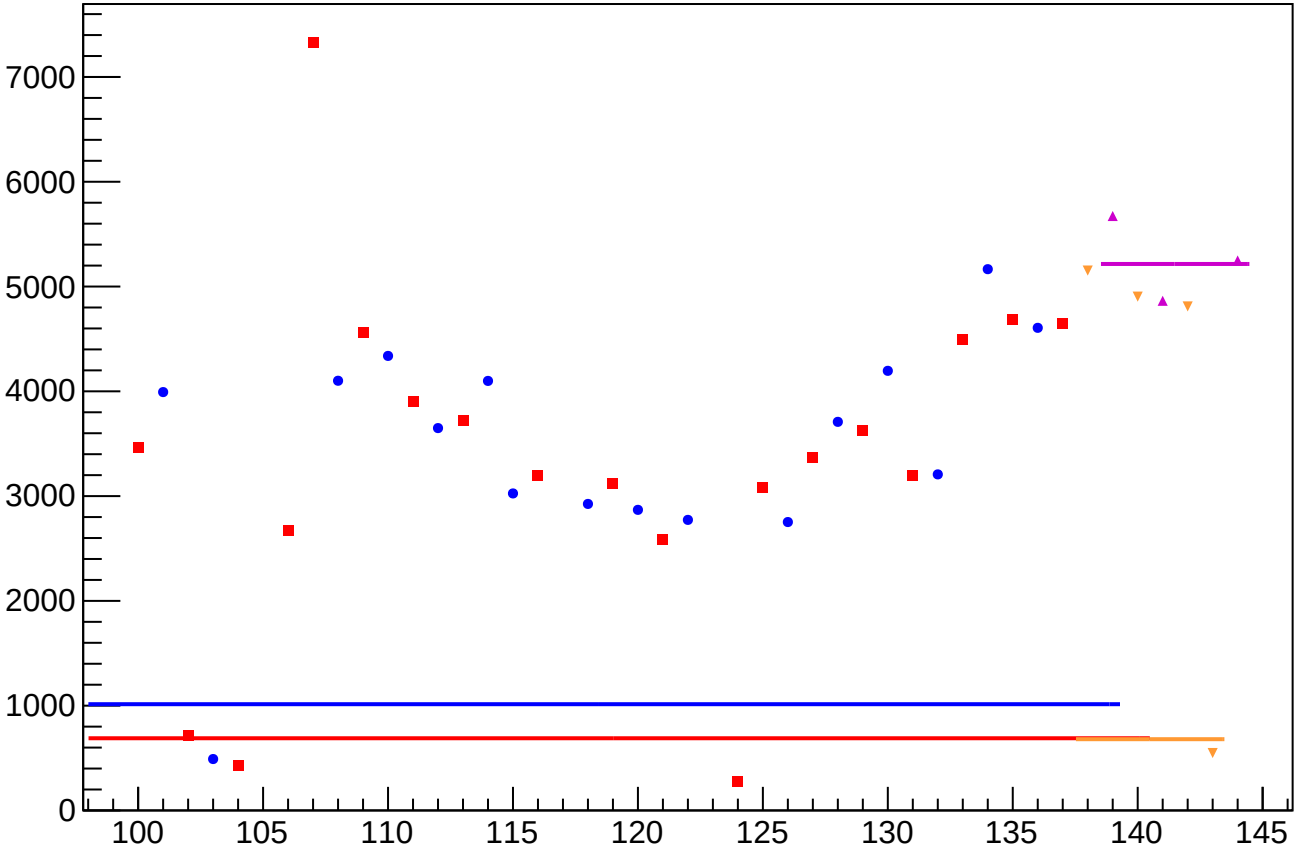
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 150.000+/-570.287 χ^2/NDF:16.6/18

Out: 72.428+/-350.080 χ^2/NDF:24.4/22

All: 93.659+/-298.350 χ^2/NDF: 41.0/41

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5215.431+/-2.288 χ^2/NDF:20173.9/2

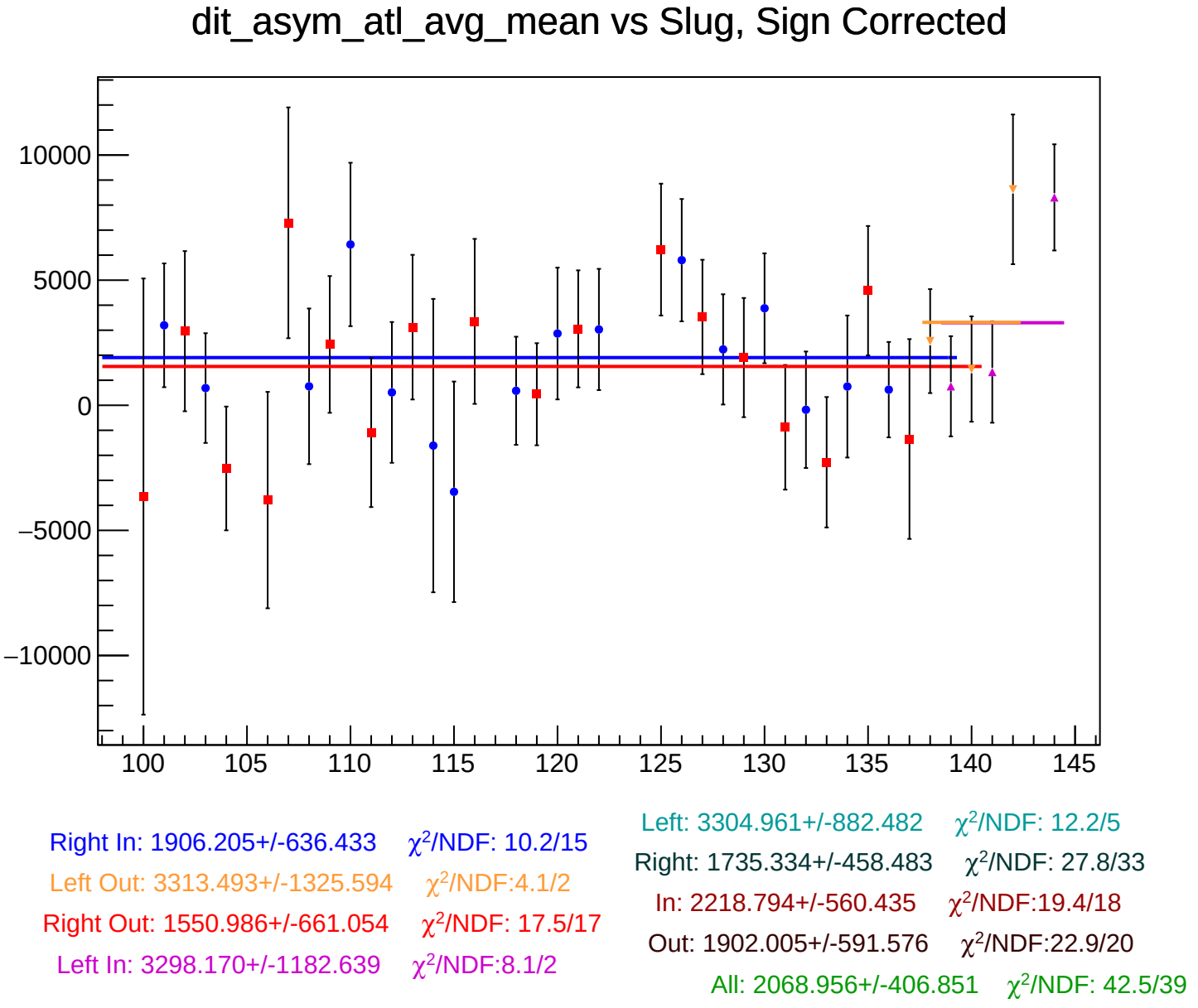
Left: 831.451+/-0.418 χ^2/NDF: 6953547.3/6

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

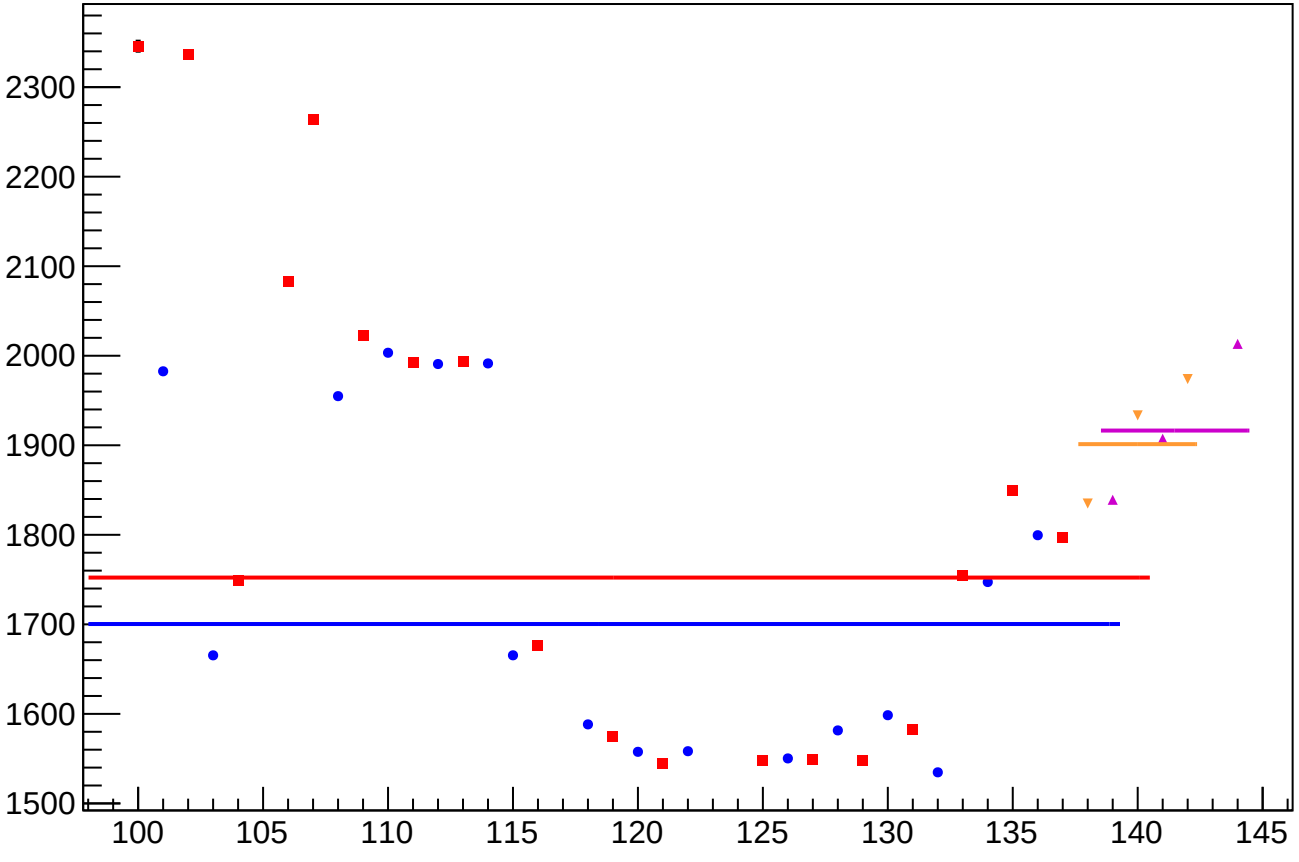
In: 1144.603+/-0.403 χ^2/NDF:11510323.3/18

Out: 686.022+/-0.248 χ^2/NDF:12045871.6/22

All: 811.533+/-0.211 χ^2/NDF: 24495477.8/41


dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 1906.205+/-636.433 χ²/NDF: 10.2/15
Left Out: 3313.493+/-1325.594 χ²/NDF:4.1/2
Right Out: 1550.986+/-661.054 χ²/NDF: 17.5/17
Left In: 3298.170+/-1182.639 χ²/NDF:8.1/2
Left: 3304.961+/-882.482 χ²/NDF: 12.2/5
Right: 1735.334+/-458.483 χ²/NDF: 27.8/33
In: 2218.794+/-560.435 χ²/NDF:19.4/18
Out: 1902.005+/-591.576 χ²/NDF:22.9/20
All: 2068.956+/-406.851 χ²/NDF: 42.5/39

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1901.269+/-0.937 χ^2/NDF:3685.5/2

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1916.441+/-0.836 χ^2/NDF:7187.8/2

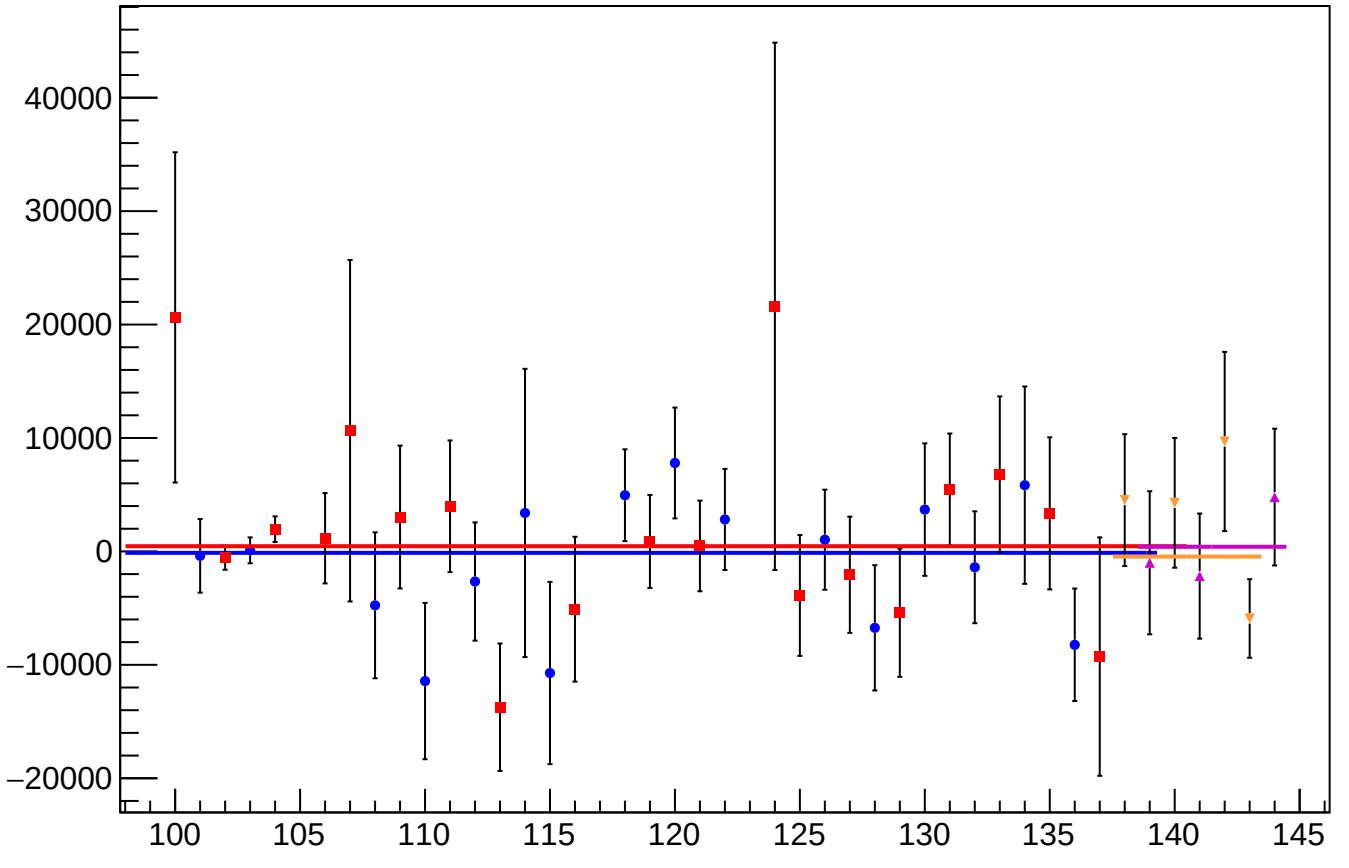
Left: 1909.717+/-0.624 χ^2/NDF: 11019.2/5

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1748.882+/-0.396 χ^2/NDF:194381.6/18

Out: 1781.811+/-0.418 χ^2/NDF:271901.2/20

All: 1764.487+/-0.287 χ^2/NDF: 469554.8/39



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -455.868+/-2503.952 χ^2/NDF:5.5/3

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 410.399+/-3419.336 χ^2/NDF:0.8/2

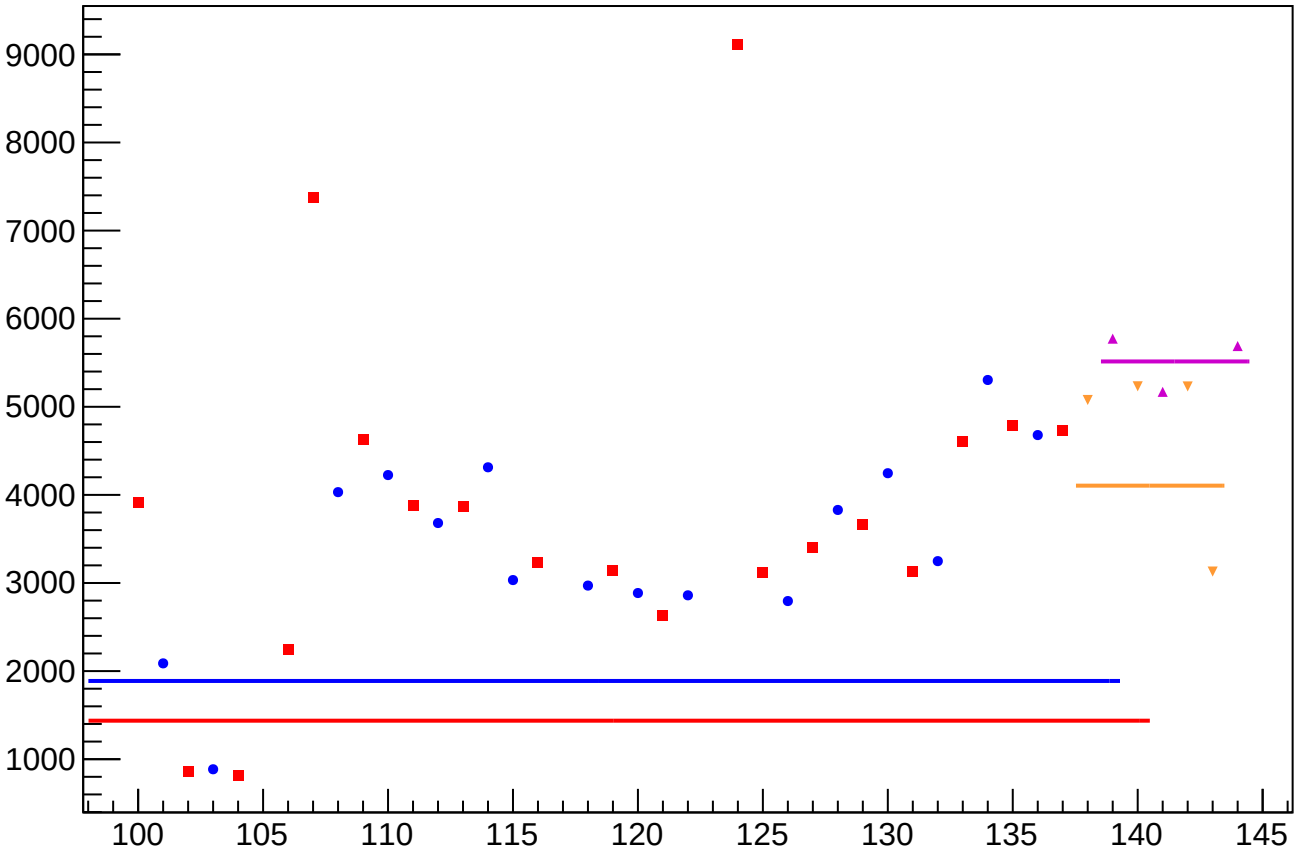
Left: -153.485+/-2020.202 χ^2/NDF: 6.4/6

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -93.052+/-840.993 χ^2/NDF:15.9/18

Out: 396.709+/-655.474 χ^2/NDF:24.2/22

All: 211.626+/-516.992 χ^2/NDF: 40.3/41



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4104.876+/-1.771 χ^2/NDF:332721.9/3

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5514.607+/-2.418 χ^2/NDF:12870.8/2

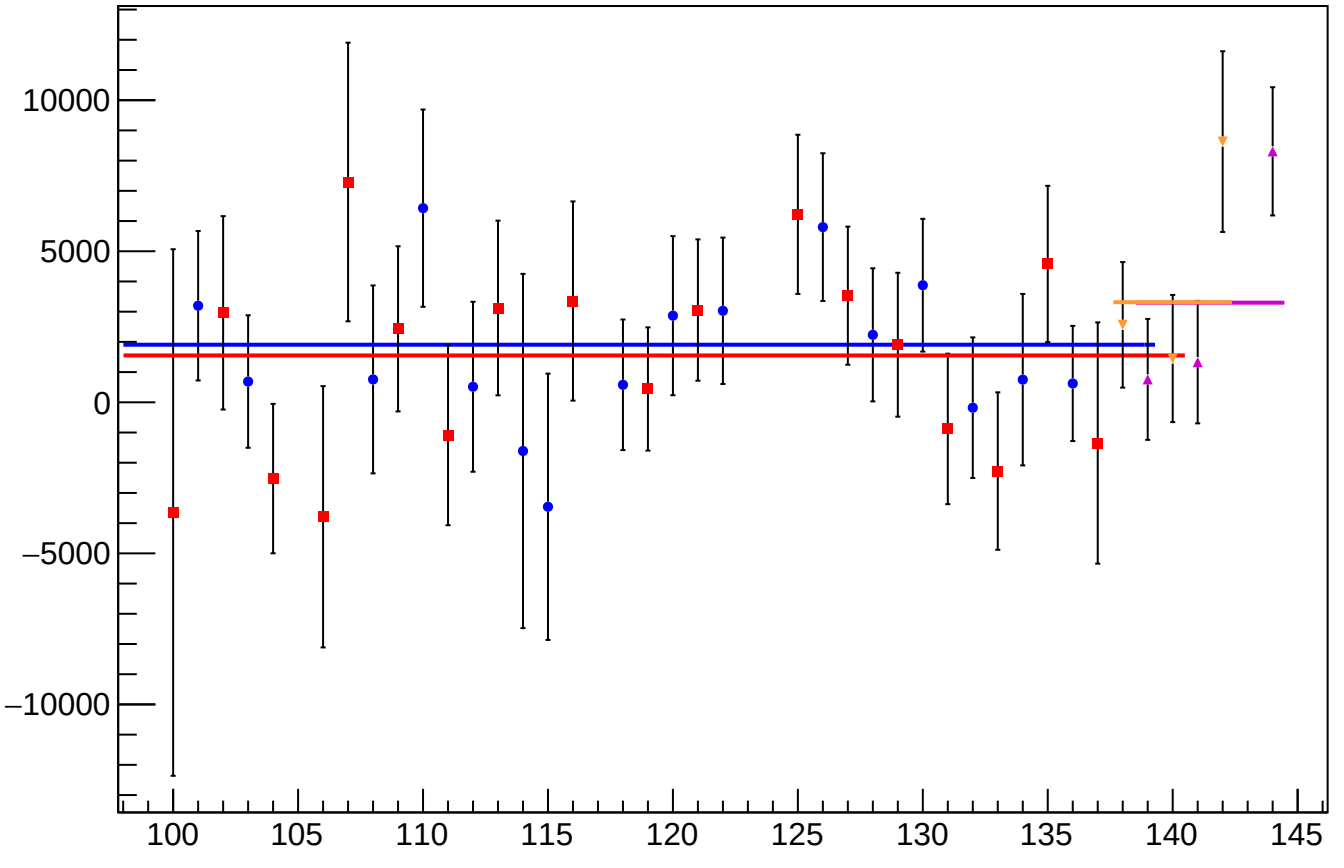
Left: 4596.963+/-1.428 χ^2/NDF: 566880.4/6

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2107.381+/-0.595 χ^2/NDF:6552285.7/18

Out: 1619.921+/-0.463 χ^2/NDF:8411594.8/22

All: 1804.135+/-0.366 χ^2/NDF: 15381884.5/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3313.508+/-1325.595 χ^2/NDF:4.1/2

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 3298.171+/-1182.640 χ^2/NDF:8.1/2

Left: 3304.968+/-882.482 χ^2/NDF: 12.2/5

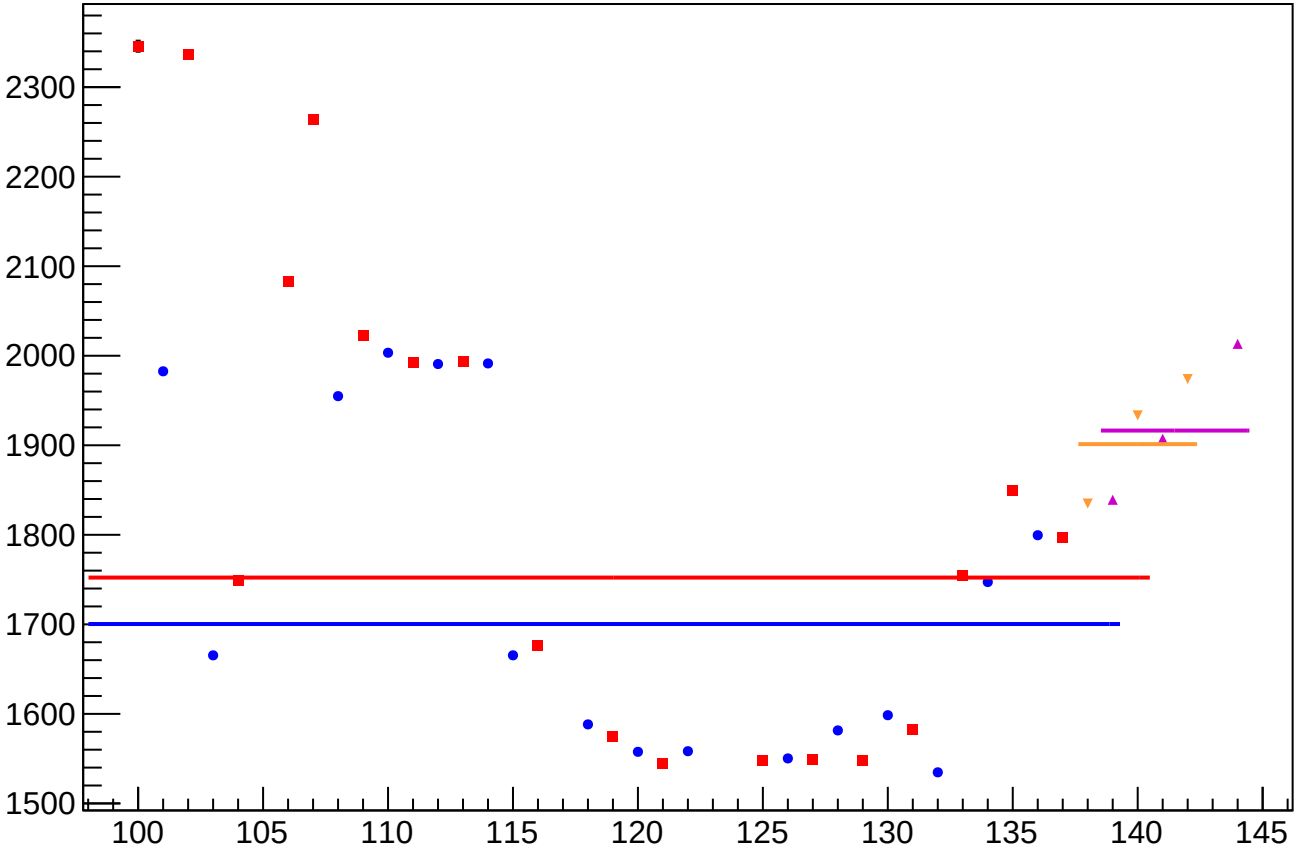
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2218.793+/-560.435 χ^2/NDF:19.4/18

Out: 1902.005+/-591.575 χ^2/NDF:22.9/20

All: 2068.956+/-406.851 χ^2/NDF: 42.5/39

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1901.270+/-0.937 χ^2/NDF:3685.7/2

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1916.443+/-0.836 χ^2/NDF:7187.9/2

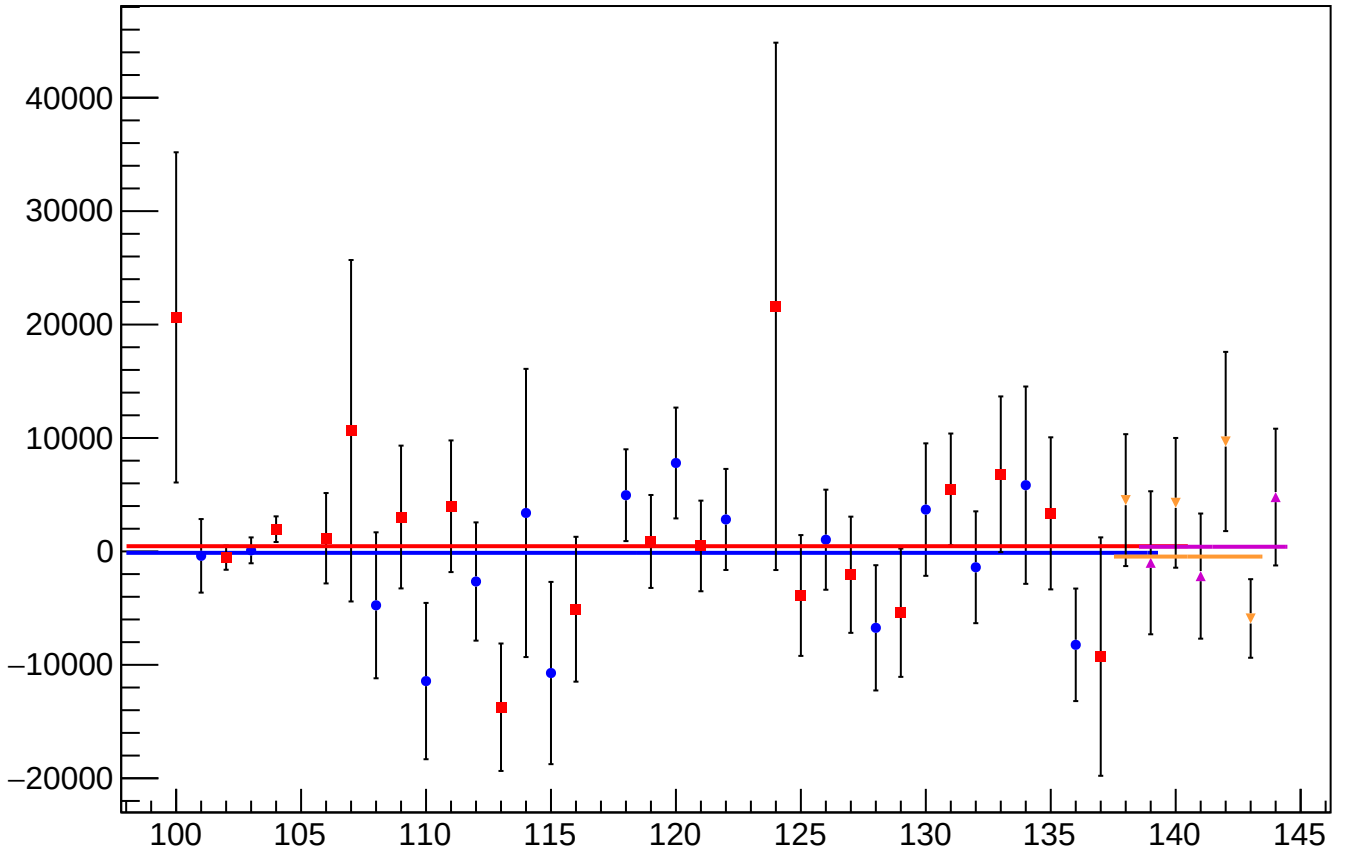
Left: 1909.719+/-0.624 χ^2/NDF: 11019.5/5

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1748.882+/-0.396 χ^2/NDF:194382.7/18

Out: 1781.811+/-0.418 χ^2/NDF:271901.2/20

All: 1764.487+/-0.287 χ^2/NDF: 469555.9/39



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -455.872+/-2503.955 χ^2/NDF:5.5/3

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 410.401+/-3419.344 χ^2/NDF:0.8/2

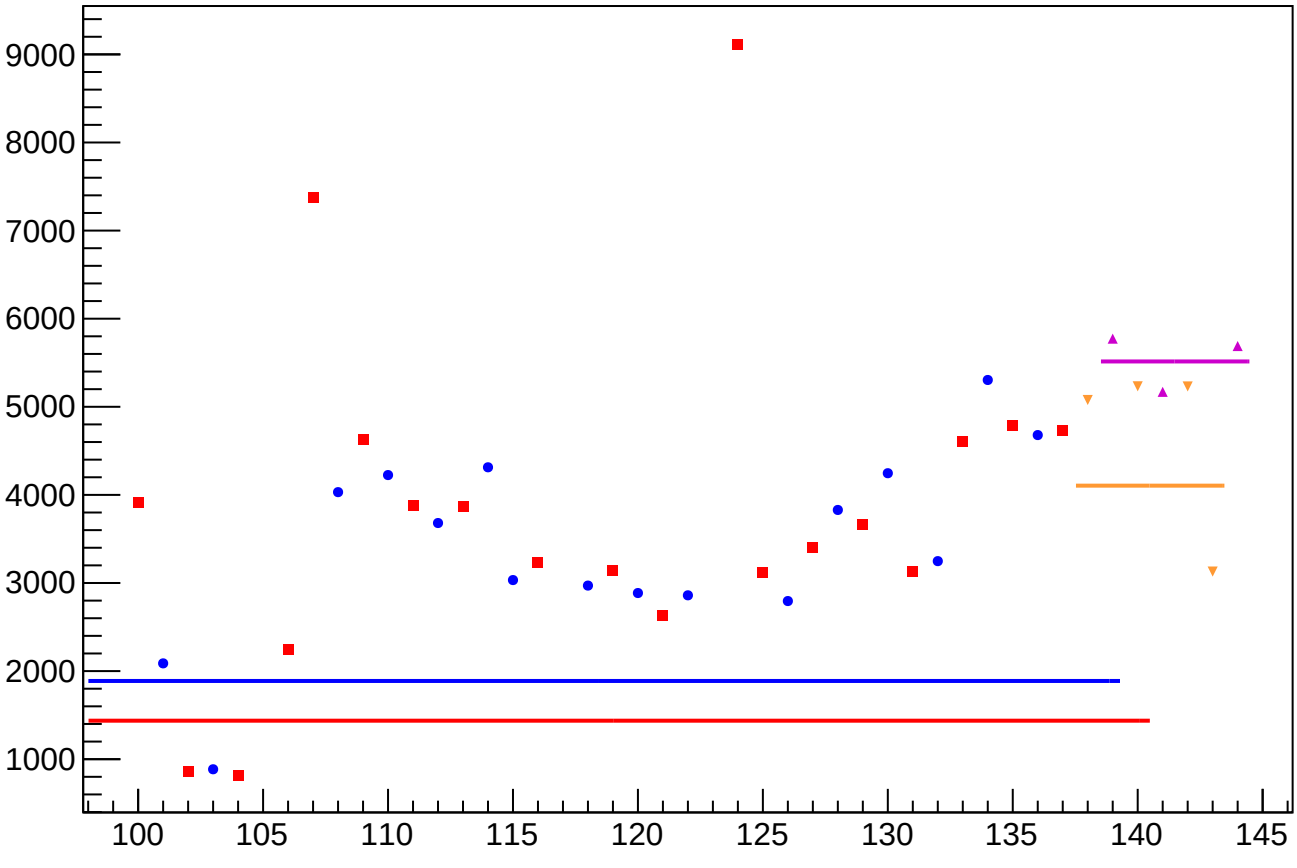
Left: -153.487+/-2020.205 χ^2/NDF: 6.4/6

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -93.048+/-840.988 χ^2/NDF:15.9/18

Out: 396.708+/-655.469 χ^2/NDF:24.2/22

All: 211.627+/-516.988 χ^2/NDF: 40.3/41



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4104.879+/-1.771 χ^2/NDF:332725.3/3

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5514.620+/-2.418 χ^2/NDF:12871.2/2

Left: 4596.969+/-1.429 χ^2/NDF: 566886.0/6

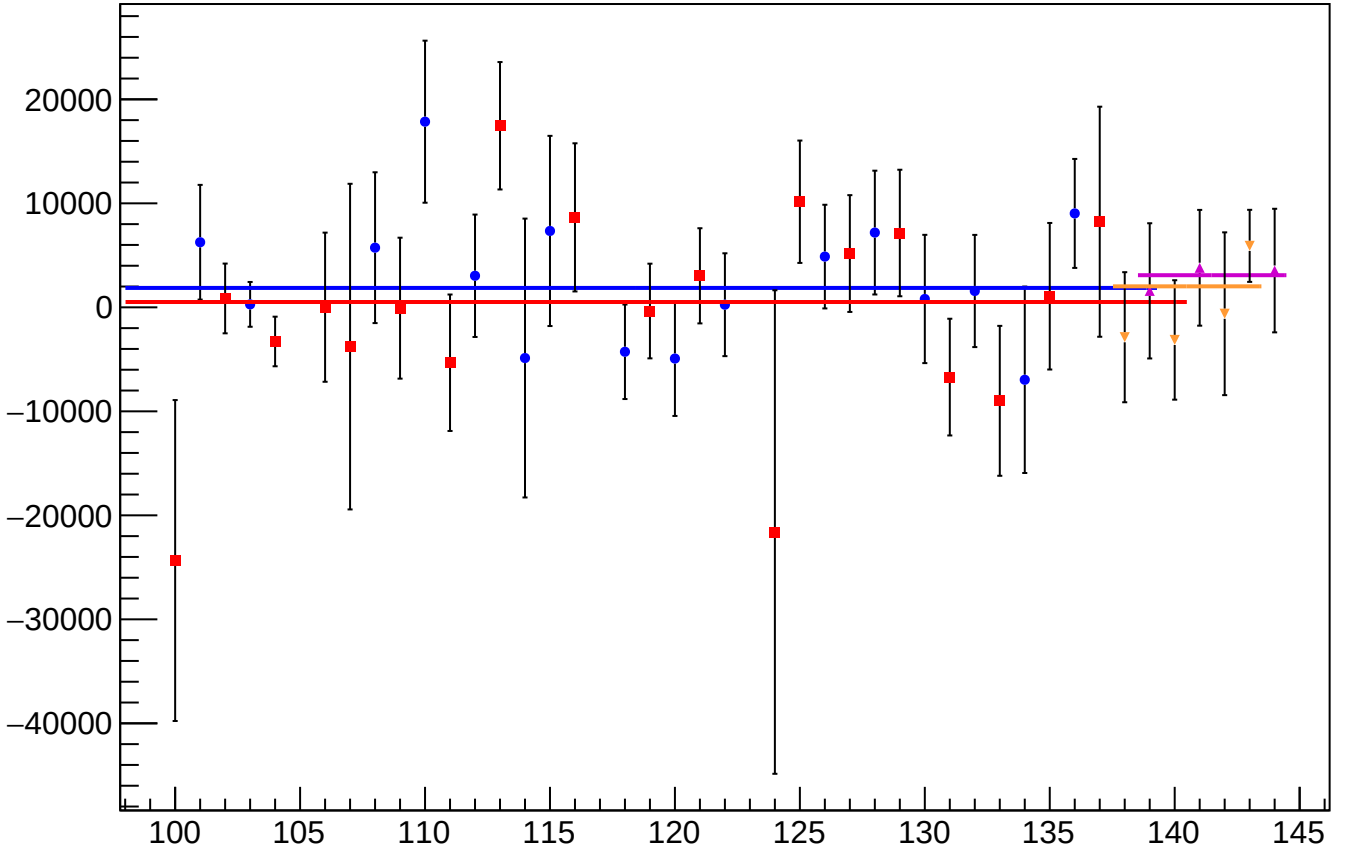
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2107.363+/-0.595 χ^2/NDF:6552349.4/18

Out: 1619.906+/-0.463 χ^2/NDF:8411657.7/22

All: 1804.118+/-0.366 χ^2/NDF: 15382011.1/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2018.618+/-2535.505 χ^2/NDF:2.8/3

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 3089.985+/-3444.750 χ^2/NDF:0.1/2

Left: 2395.090+/-2041.996 χ^2/NDF: 2.9/6

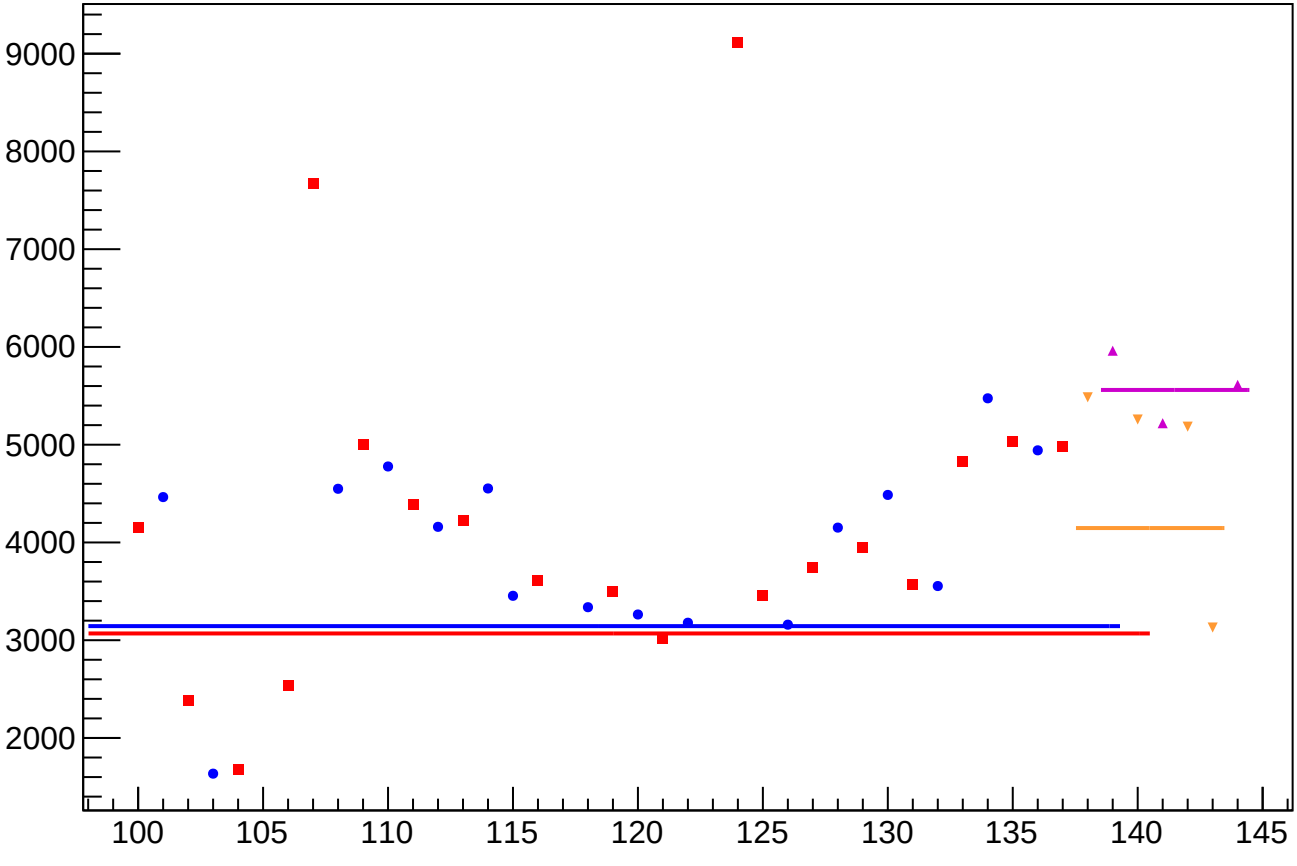
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 2010.815+/-1182.652 χ^2/NDF:14.0/18

Out: 803.793+/-1115.021 χ^2/NDF:27.8/22

All: 1371.806+/-811.295 χ^2/NDF: 42.3/41

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4147.343+/-1.793 χ^2/NDF:373927.3/3

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5560.071+/-2.436 χ^2/NDF:15257.6/2

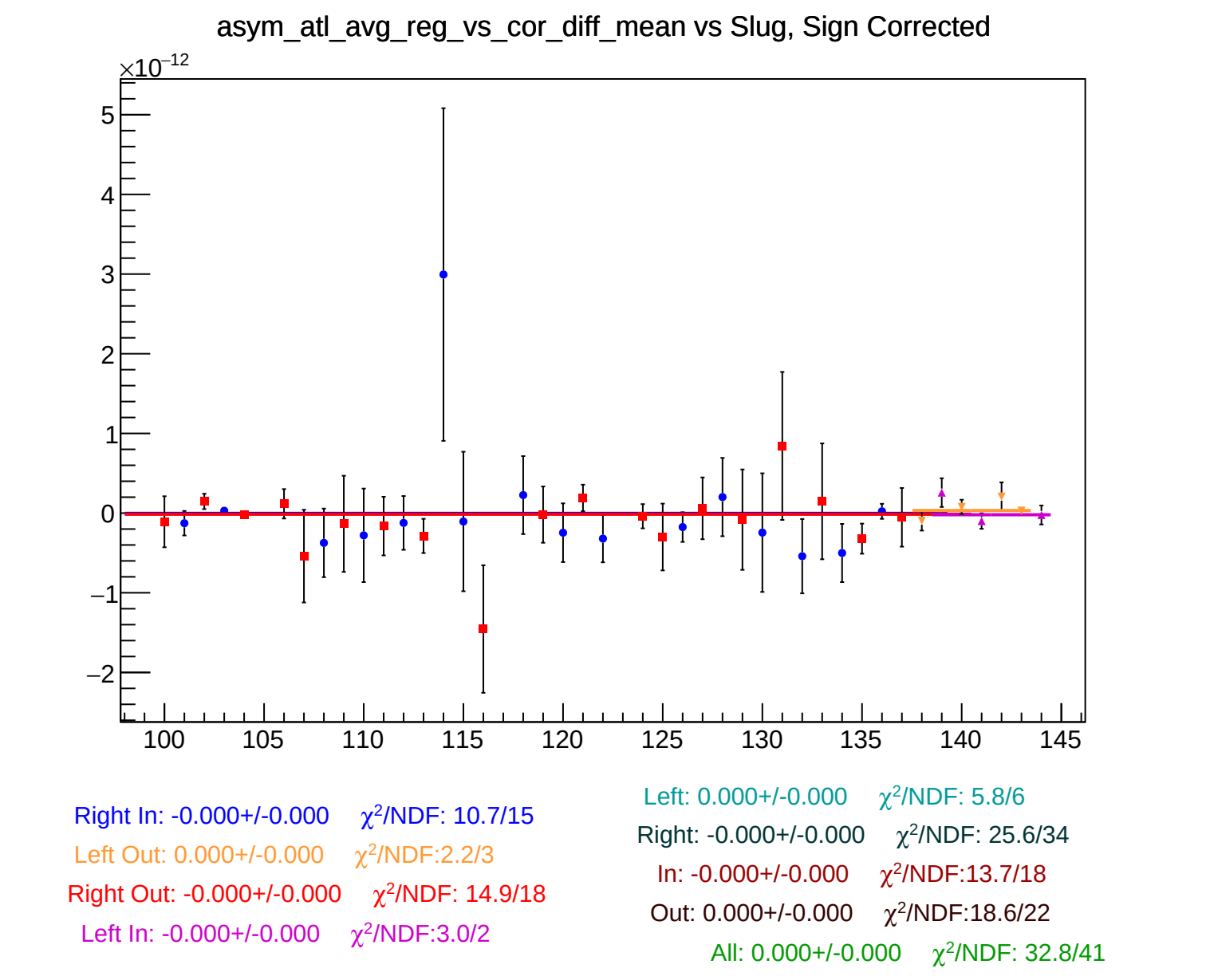
Left: 4643.767+/-1.444 χ^2/NDF: 607363.8/6

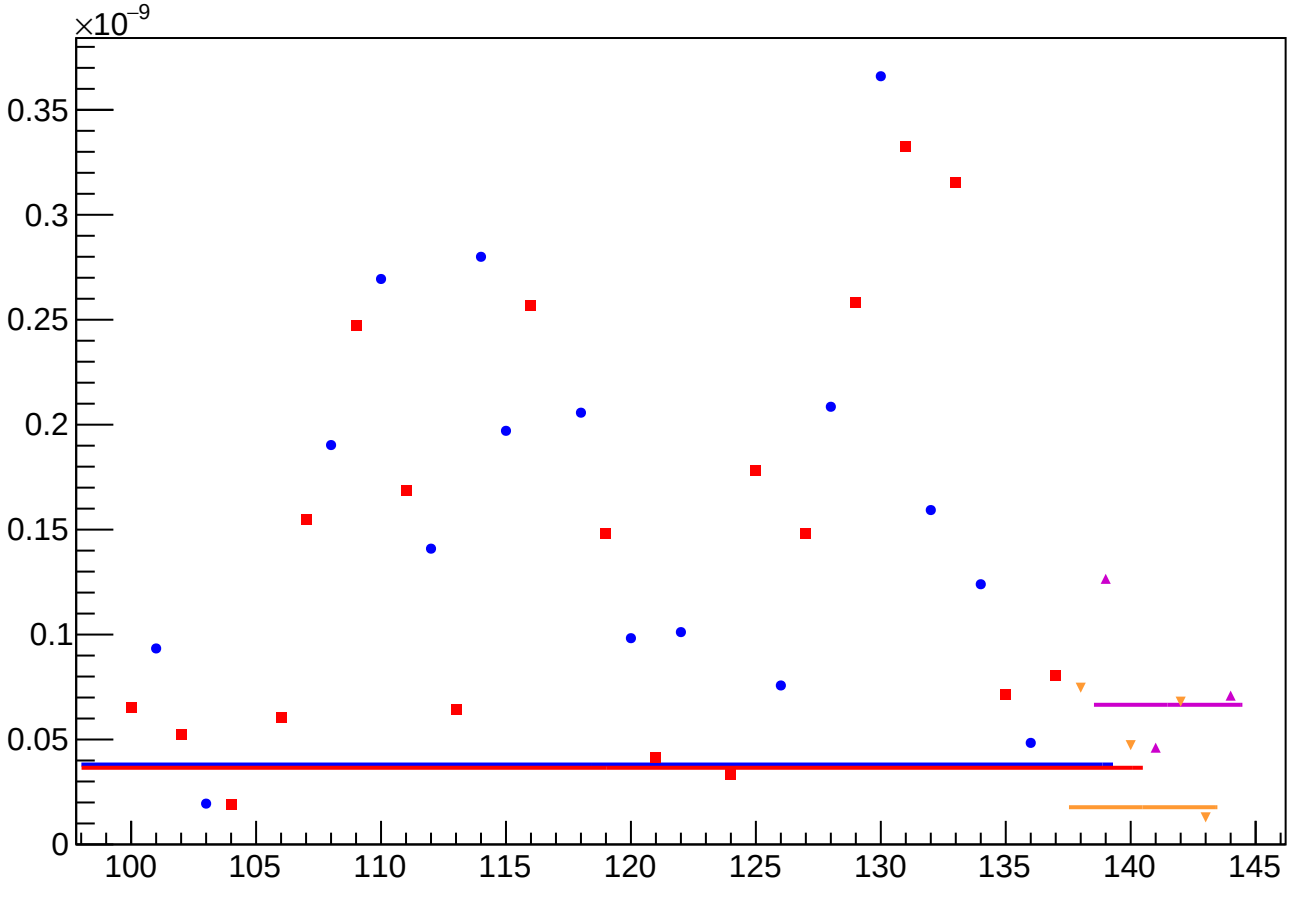
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3428.898+/-0.836 χ^2/NDF:2766194.8/18

Out: 3272.389+/-0.778 χ^2/NDF:2549068.8/22

All: 3345.051+/-0.570 χ^2/NDF: 5334028.4/41


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: -0.000+/-0.000 χ²/NDF:3.0/2
Left: 0.000+/-0.000 χ²/NDF: 5.8/6
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:13.7/18
Out: 0.000+/-0.000 χ²/NDF:18.6/22
All: 0.000+/-0.000 χ²/NDF: 32.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:875480.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:312606.2/2

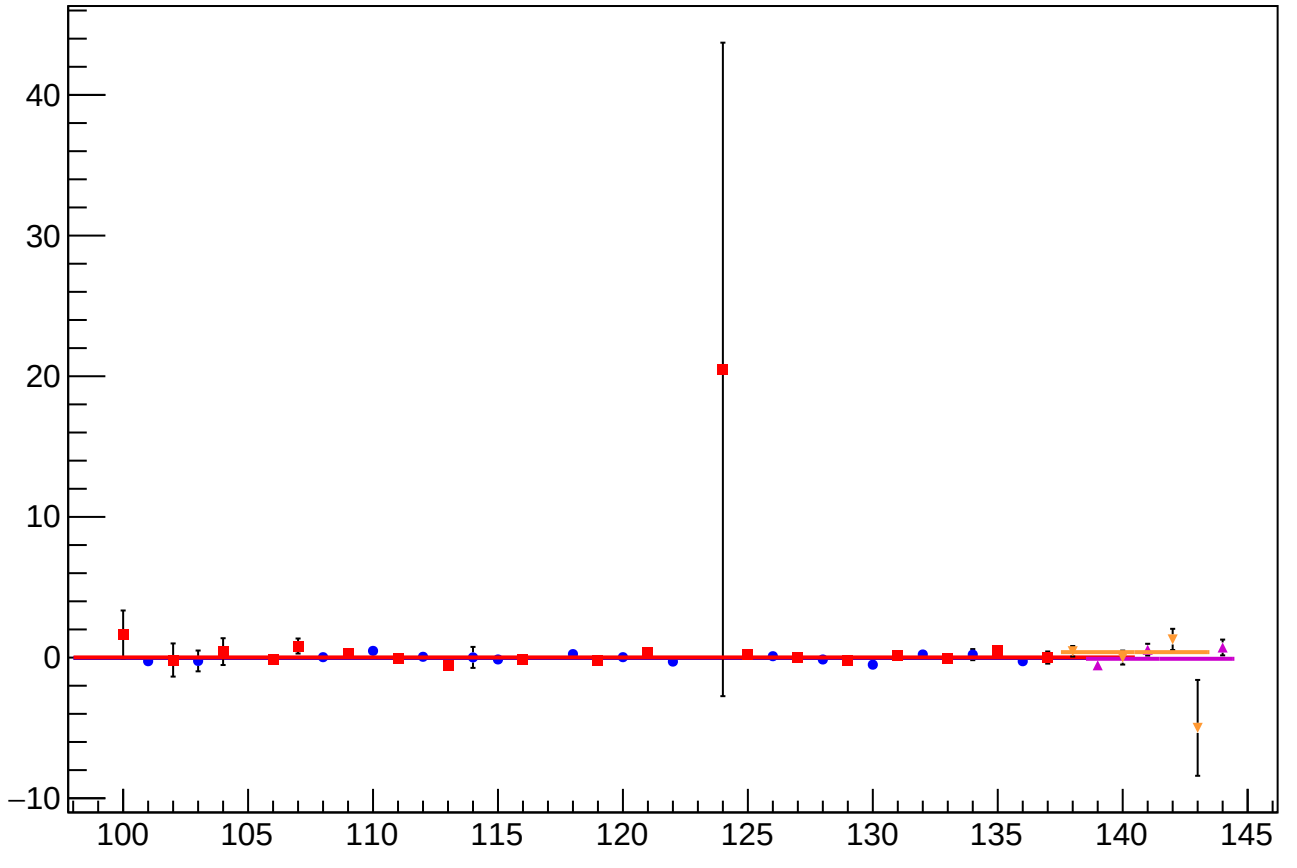
Left: 0.000+/-0.000 χ^2/NDF: 2083558.4/6

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3471629.9/18

Out: 0.000+/-0.000 χ^2/NDF:4016101.2/22

All: 0.000+/-0.000 χ^2/NDF: 8114326.8/41



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.086+/-0.212 χ^2/NDF:7.3/2

Left: 0.089+/-0.168 χ^2/NDF: 13.7/6

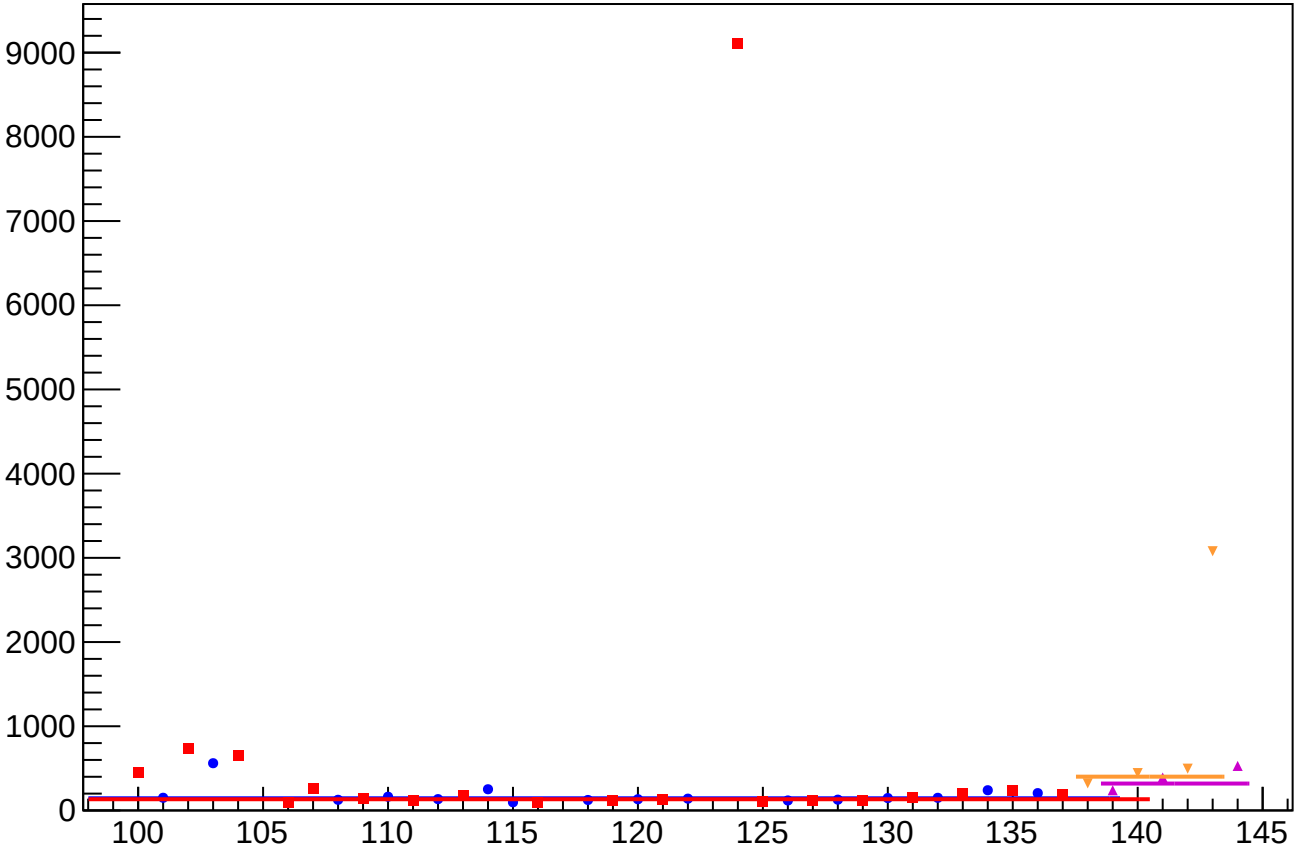
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.033+/-0.056 χ^2/NDF:24.6/18

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.003+/-0.039 χ^2/NDF: 53.3/41

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: 401.344+/-0.196 χ^2/NDF:1371671.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 319.486+/-0.150 χ^2/NDF:507193.4/2

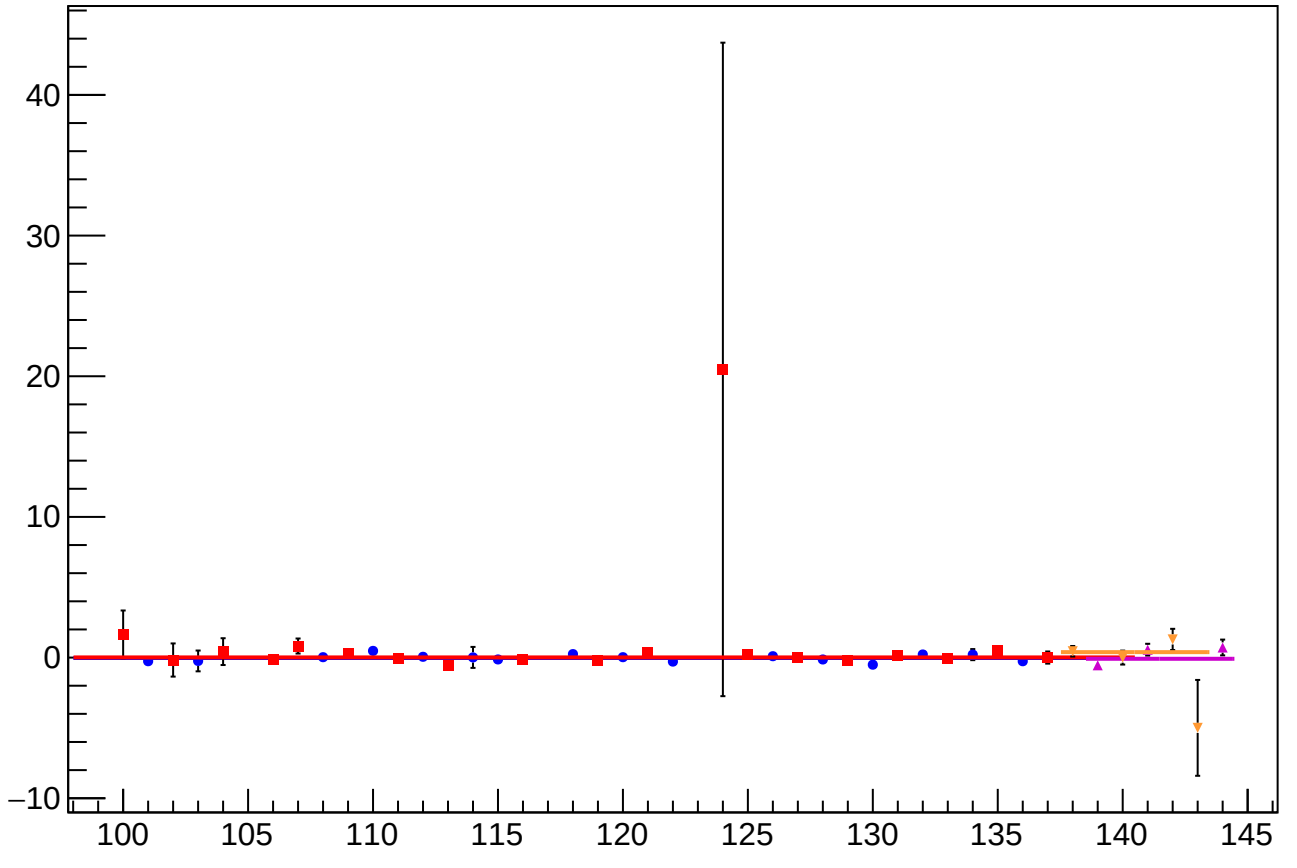
Left: 349.745+/-0.119 χ^2/NDF: 1989097.8/6

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 156.424+/-0.039 χ^2/NDF:2907321.2/18

Out: 143.979+/-0.039 χ^2/NDF:5393034.1/22

All: 150.154+/-0.028 χ^2/NDF: 8350494.4/41



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.086+/-0.212 χ^2/NDF:7.3/2

Left: 0.089+/-0.168 χ^2/NDF: 13.7/6

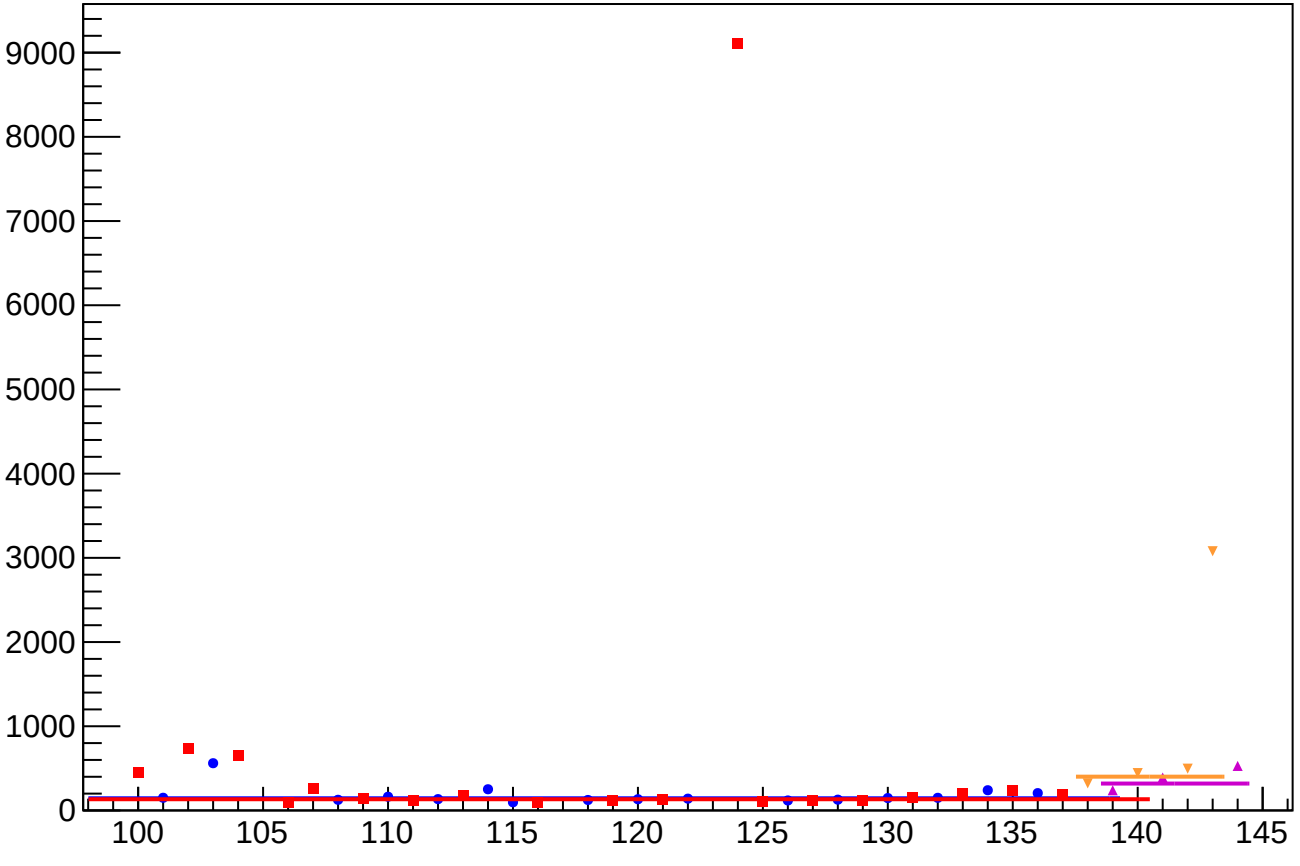
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.033+/-0.056 χ^2/NDF:24.6/18

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.003+/-0.039 χ^2/NDF: 53.3/41

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: 401.344+/-0.196 χ^2/NDF:1371671.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 319.486+/-0.150 χ^2/NDF:507193.4/2

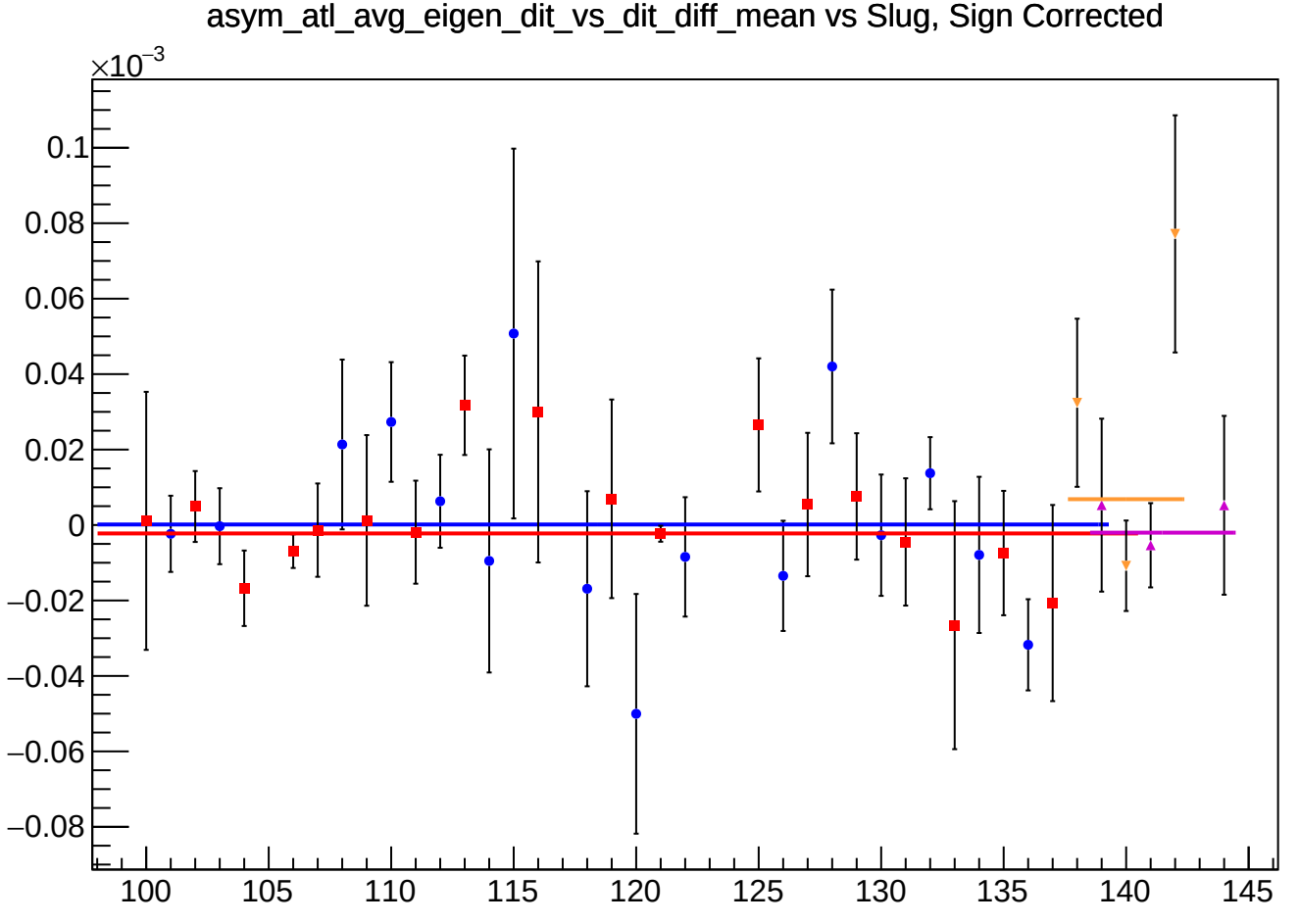
Left: 349.745+/-0.119 χ^2/NDF: 1989097.8/6

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 156.424+/-0.039 χ^2/NDF:2907321.2/18

Out: 143.979+/-0.039 χ^2/NDF:5393034.1/22

All: 150.154+/-0.028 χ^2/NDF: 8350494.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

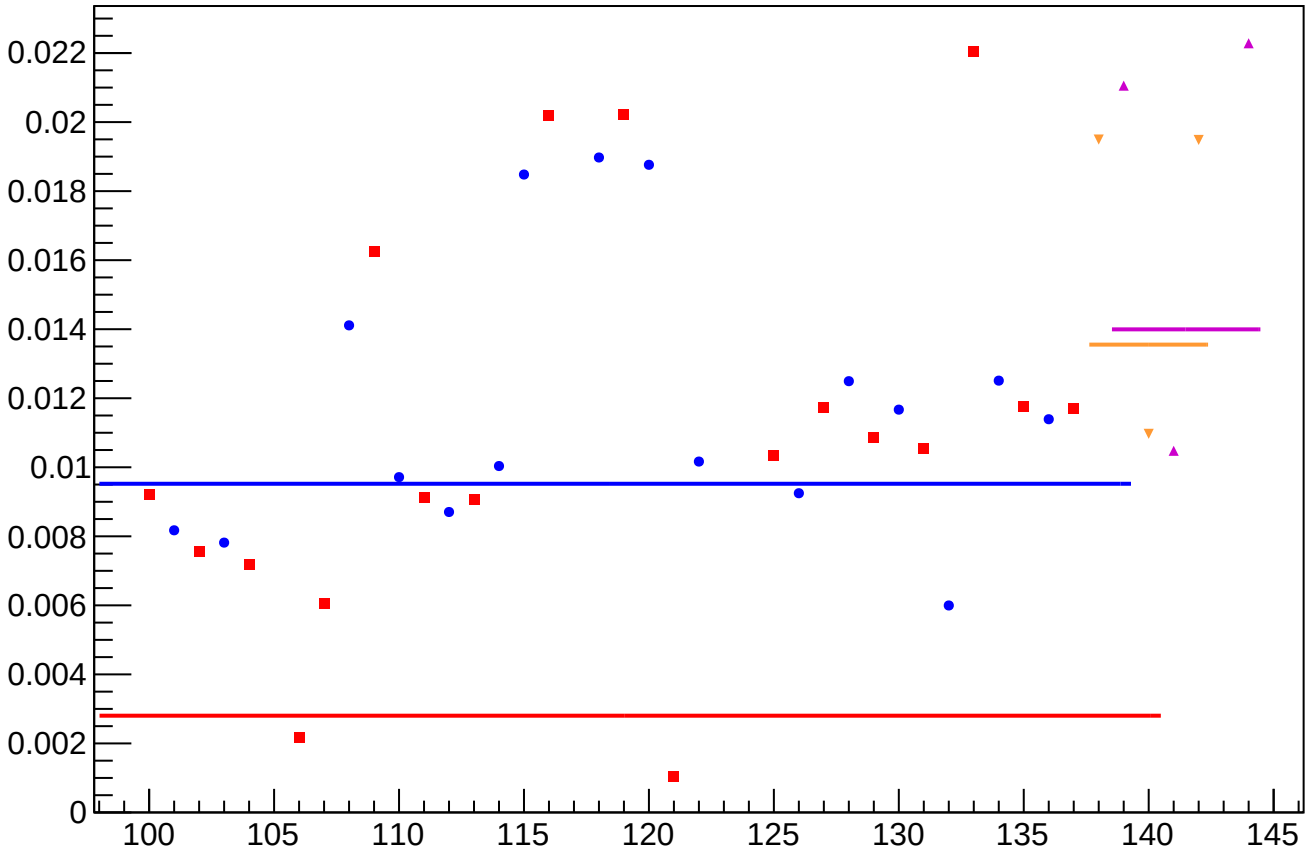
Left: 0.000+/-0.000 χ^2/NDF: 9.2/5

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:23.1/18

Out: -0.000+/-0.000 χ^2/NDF:24.9/20

All: -0.000+/-0.000 χ^2/NDF: 48.2/39



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.014+/-0.000 χ^2/NDF:306289.2/2

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.014+/-0.000 χ^2/NDF:632886.8/2

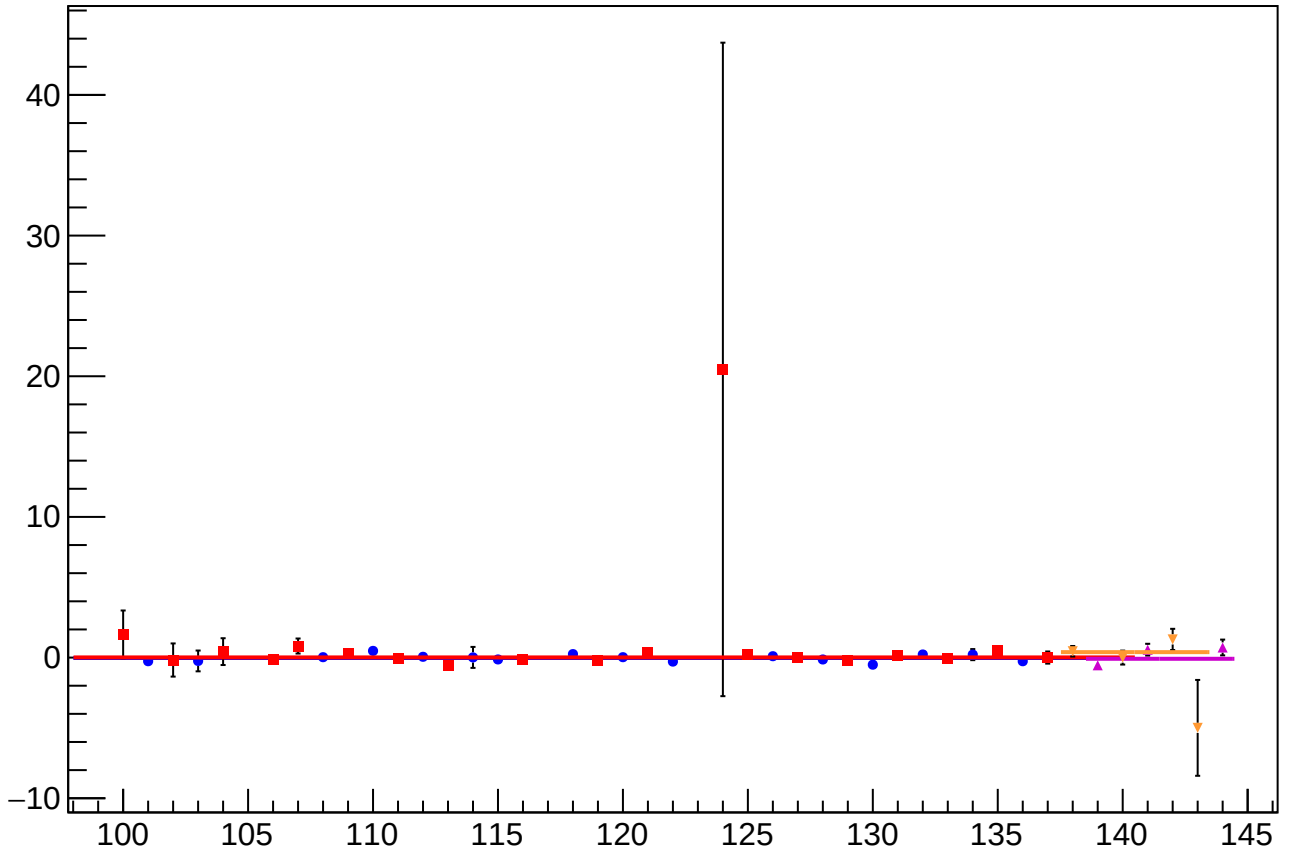
Left: 0.014+/-0.000 χ^2/NDF: 941280.0/5

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.010+/-0.000 χ^2/NDF:2168137.1/18

Out: 0.003+/-0.000 χ^2/NDF:11115838.4/20

All: 0.004+/-0.000 χ^2/NDF: 19931391.7/39



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.086+/-0.212 χ^2/NDF:7.3/2

Left: 0.089+/-0.168 χ^2/NDF: 13.7/6

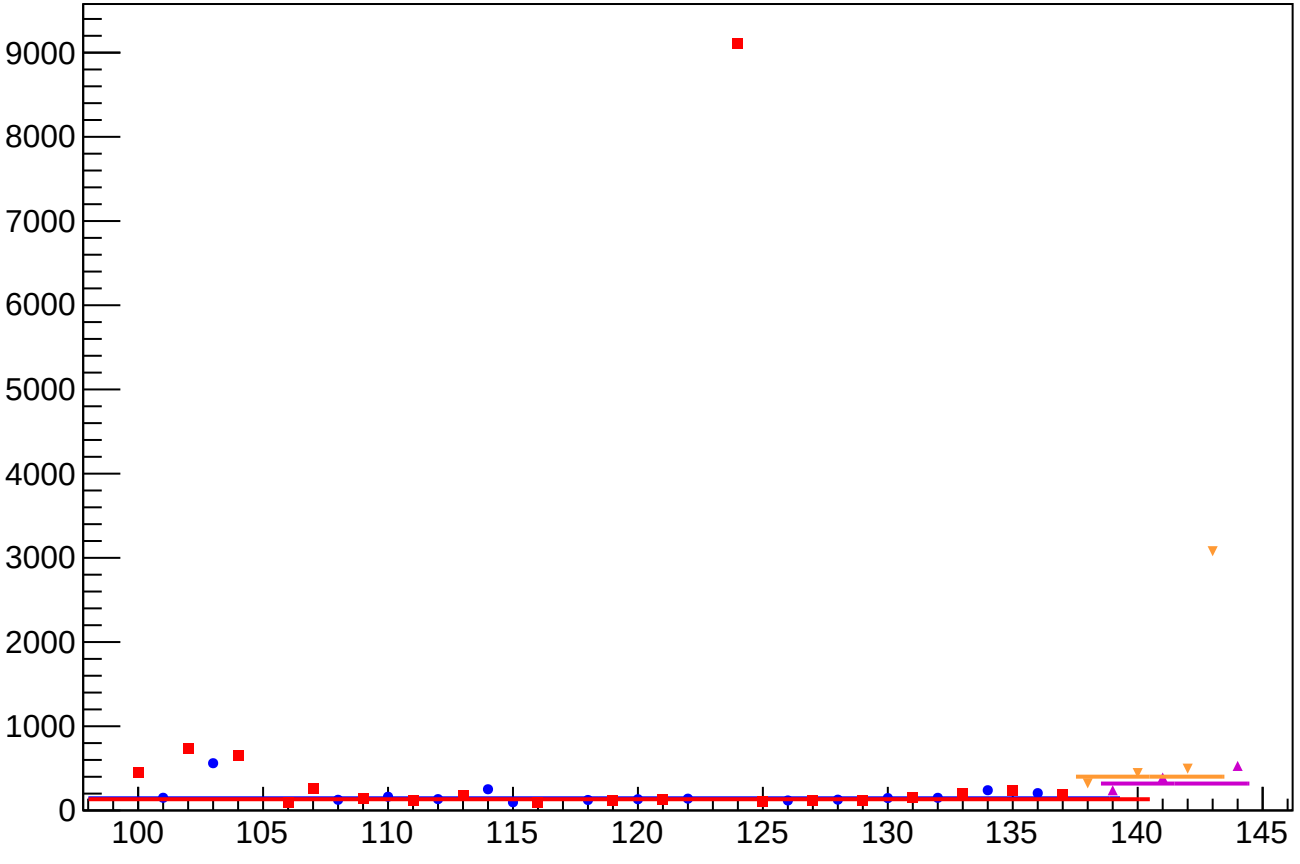
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.033+/-0.056 χ^2/NDF:24.6/18

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.003+/-0.039 χ^2/NDF: 53.3/41

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: 401.347+/-0.196 χ^2/NDF:1371677.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 319.493+/-0.150 χ^2/NDF:507176.5/2

Left: 349.752+/-0.119 χ^2/NDF: 1989073.2/6

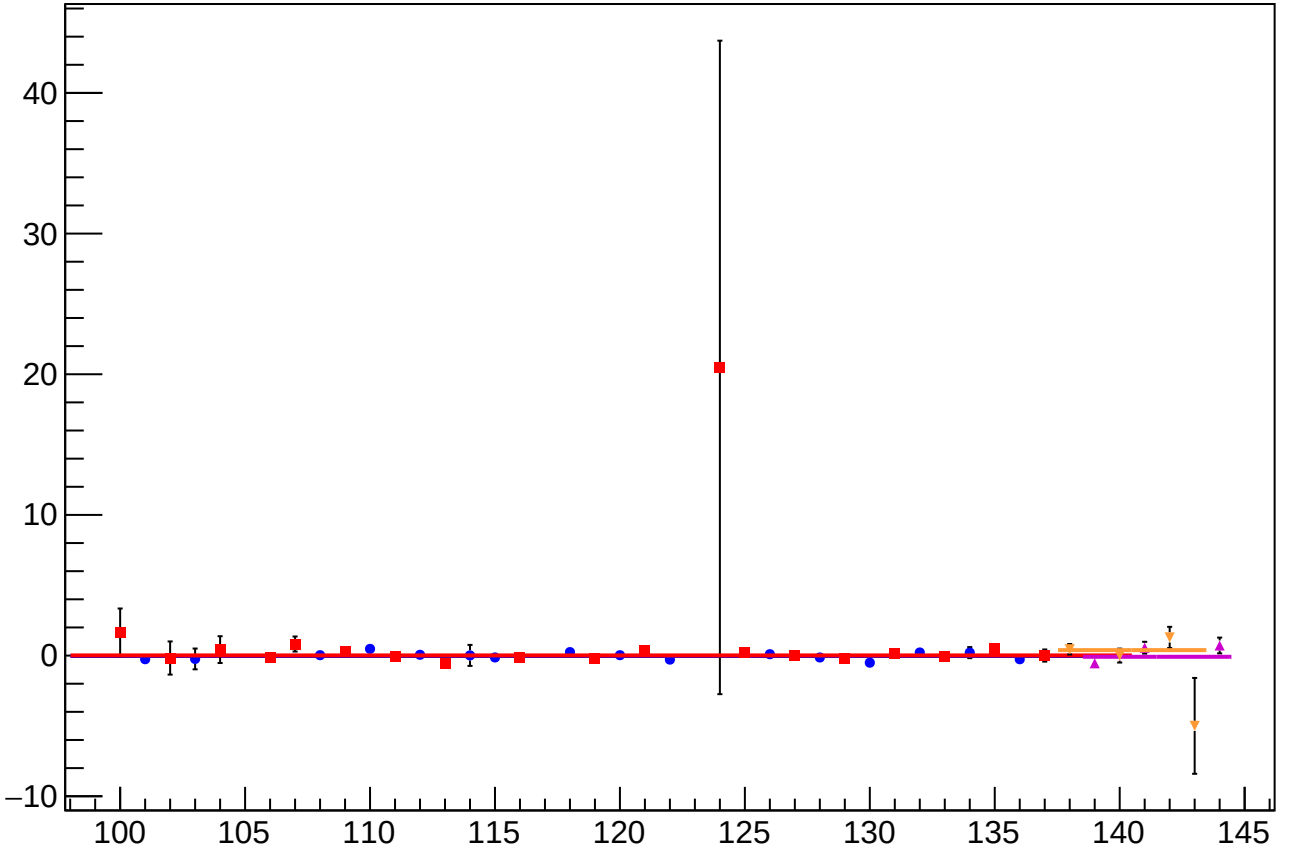
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 156.422+/-0.039 χ^2/NDF:2907408.5/18

Out: 143.978+/-0.039 χ^2/NDF:5393026.7/22

All: 150.153+/-0.028 χ^2/NDF: 8350568.5/41

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.086+/-0.212 χ^2/NDF:7.3/2

Left: 0.089+/-0.168 χ^2/NDF: 13.7/6

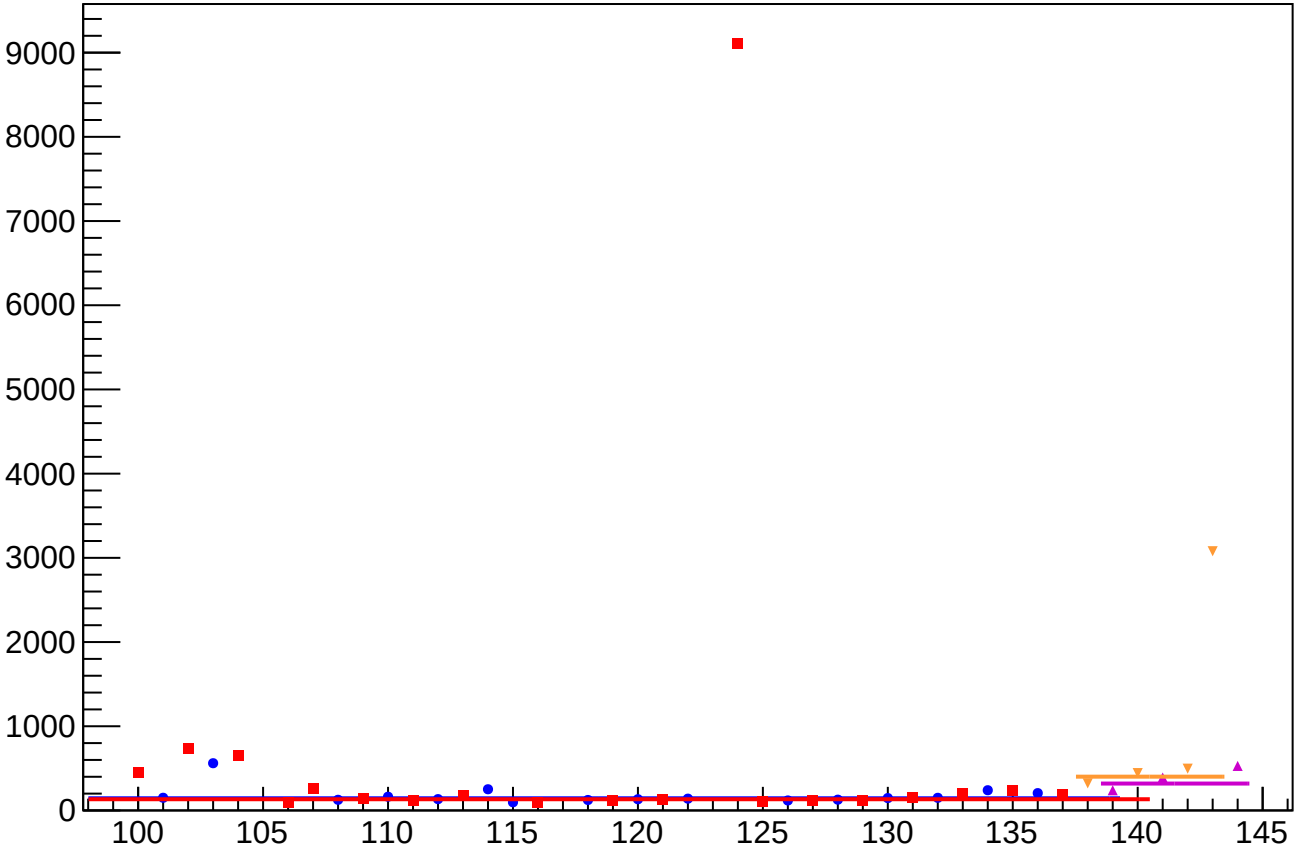
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.033+/-0.056 χ^2/NDF:24.6/18

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.003+/-0.039 χ^2/NDF: 53.3/41

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: 401.347+/-0.196 χ^2/NDF:1371677.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 319.493+/-0.150 χ^2/NDF:507176.5/2

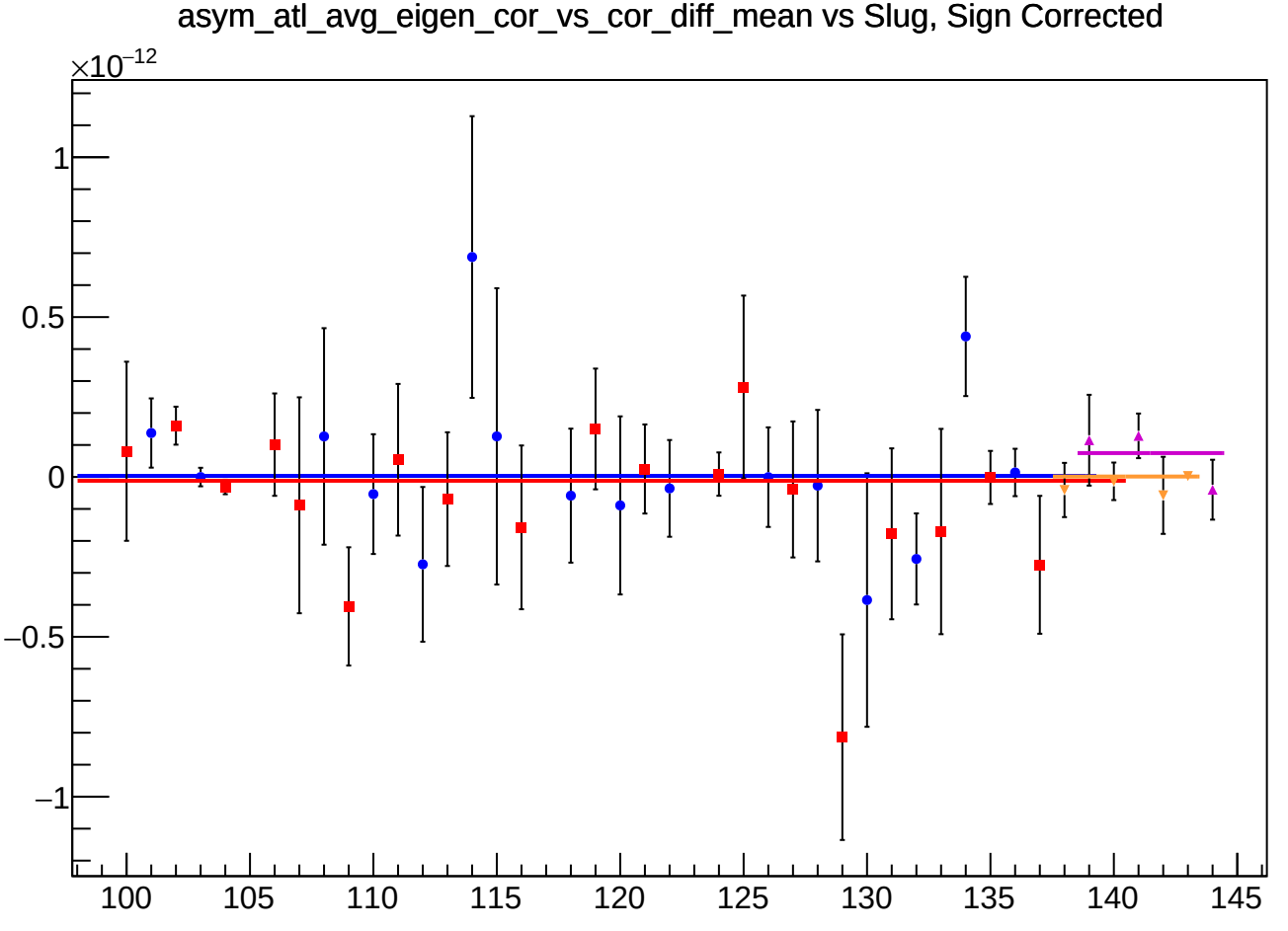
Left: 349.752+/-0.119 χ^2/NDF: 1989073.2/6

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 156.422+/-0.039 χ^2/NDF:2907408.5/18

Out: 143.978+/-0.039 χ^2/NDF:5393026.7/22

All: 150.153+/-0.028 χ^2/NDF: 8350568.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/2

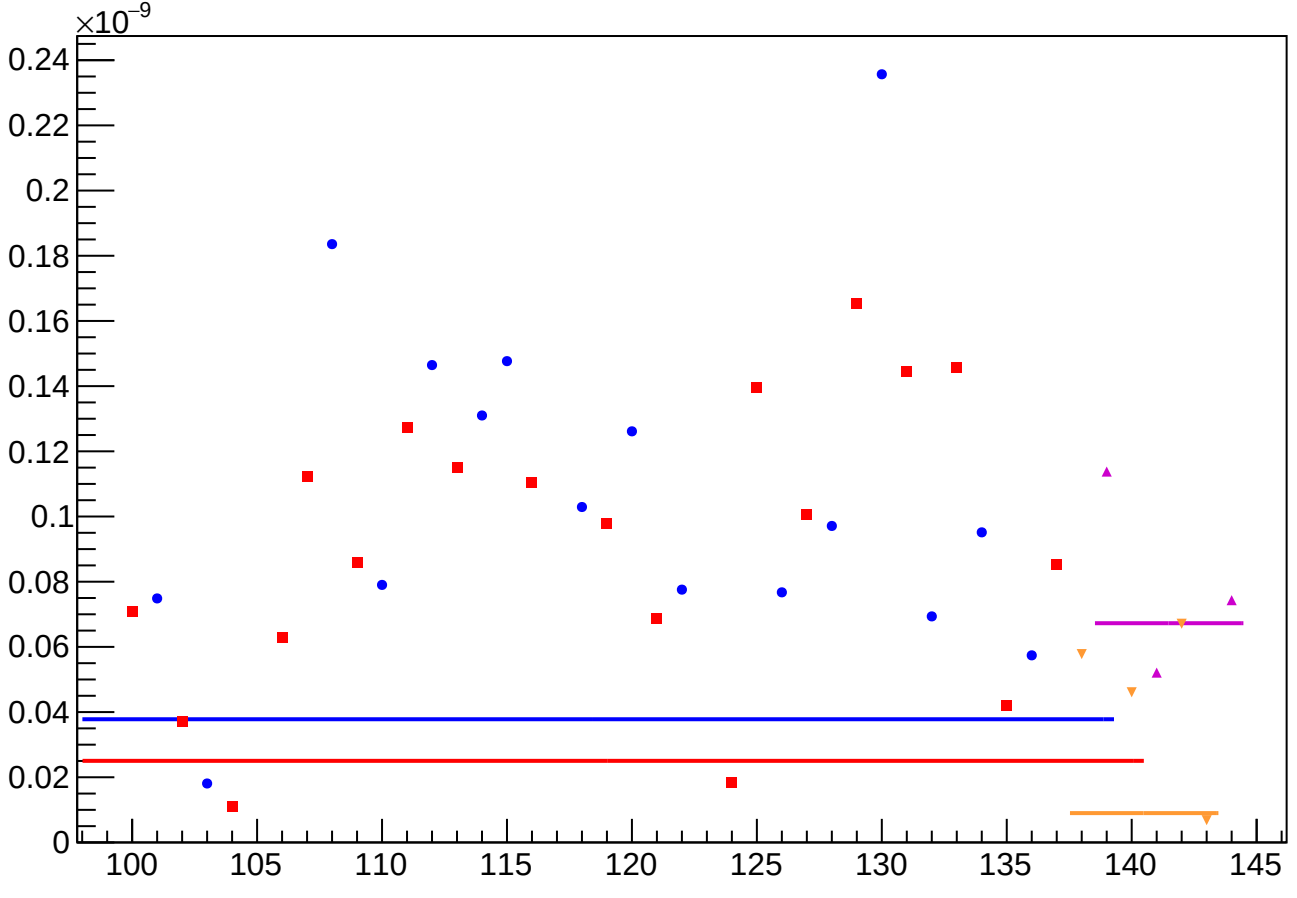
Left: 0.000+/-0.000 χ^2/NDF: 4.7/6

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:19.3/18

Out: -0.000+/-0.000 χ^2/NDF:26.1/22

All: 0.000+/-0.000 χ^2/NDF: 46.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017755.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:320433.4/2

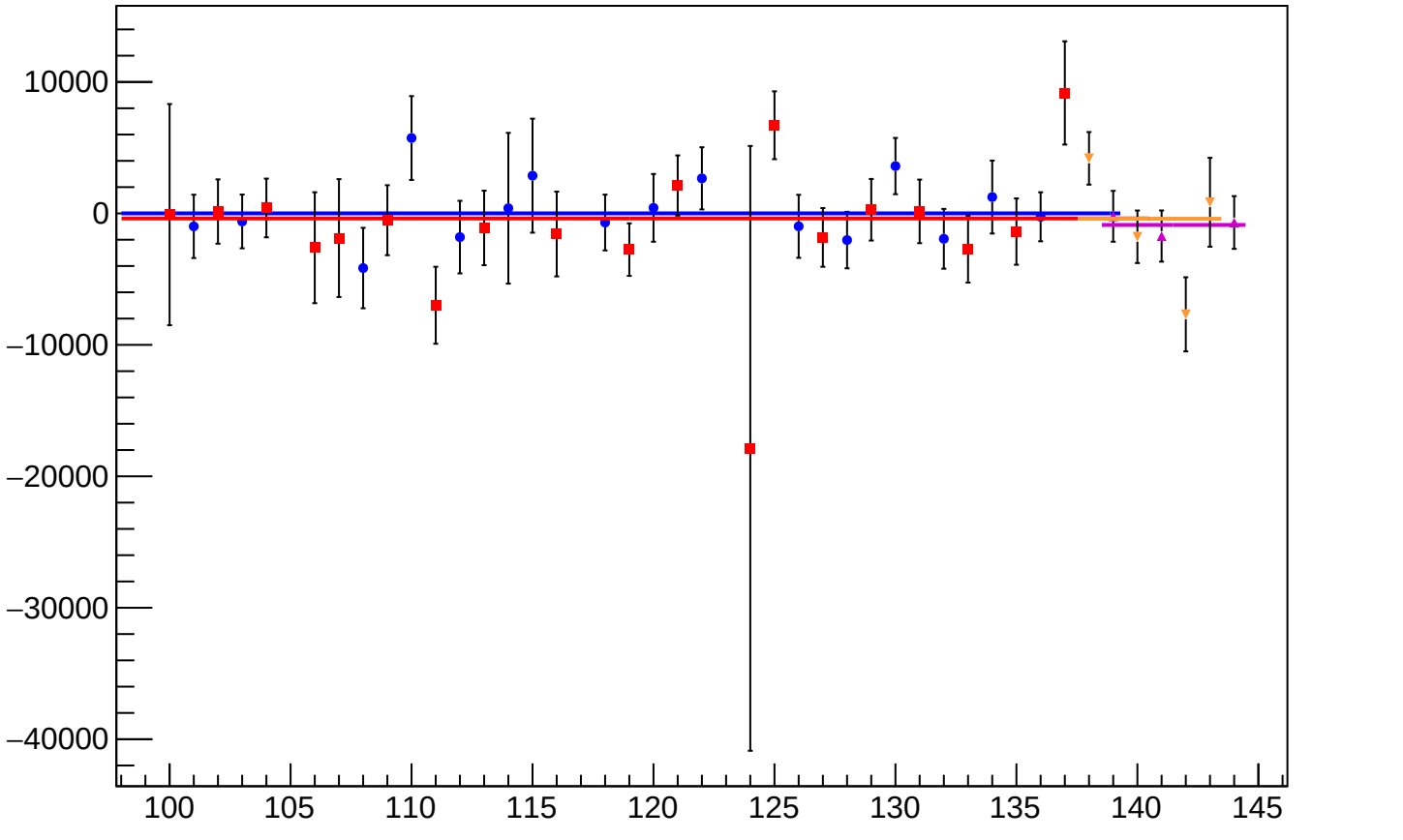
Left: 0.000+/-0.000 χ^2/NDF: 4756956.3/6

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:4792005.5/18

Out: 0.000+/-0.000 χ^2/NDF:7888201.0/22

All: 0.000+/-0.000 χ^2/NDF: 16063059.9/41



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: -404.873+/-1183.783 χ^2/NDF:12.5/3

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -877.657+/-1132.308 χ^2/NDF:0.3/2

Left: -651.767+/-818.256 χ^2/NDF: 12.9/6

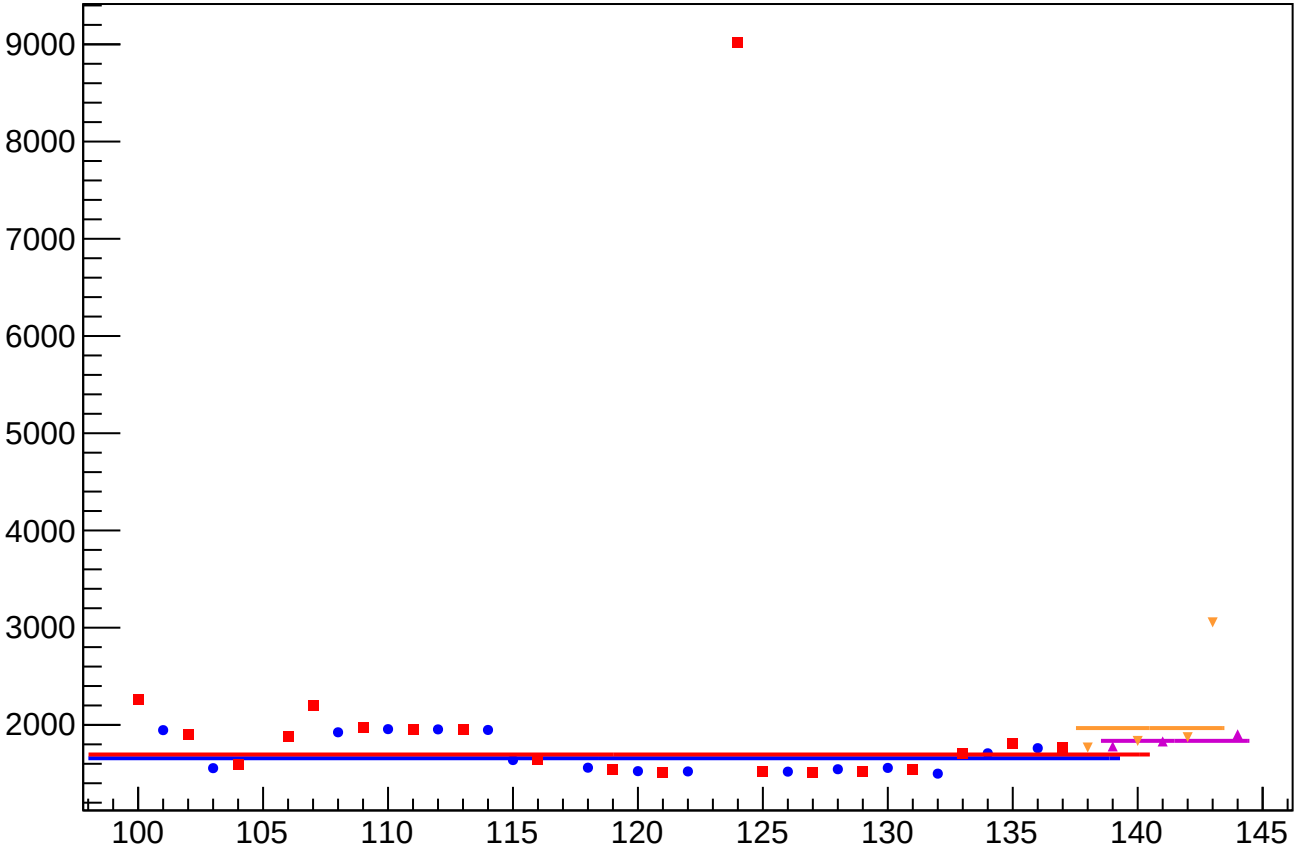
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -199.028+/-543.751 χ^2/NDF:13.2/18

Out: -389.238+/-558.674 χ^2/NDF:36.6/22

All: -291.559+/-389.659 χ^2/NDF: 49.9/41

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.6/3

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

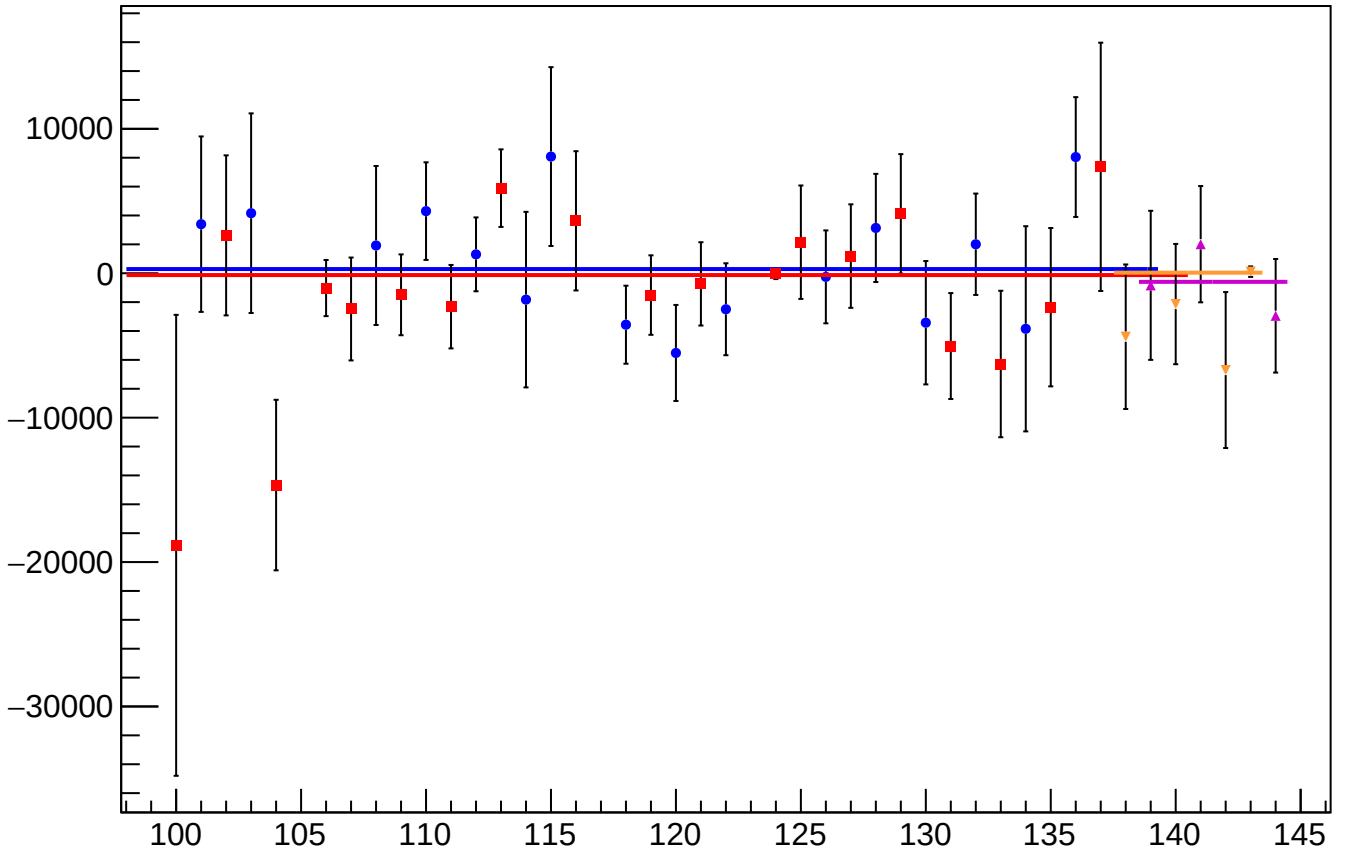
Left: 1898.819+/-0.579 χ^2/NDF: 254705.9/6

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1698.383+/-0.384 χ^2/NDF:186406.7/18

Out: 1755.746+/-0.394 χ^2/NDF:706165.9/22

All: 1726.391+/-0.275 χ^2/NDF: 903440.6/41



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 39.859+/-360.982 χ^2/NDF:2.7/3

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -596.173+/-2470.176 χ^2/NDF:0.8/2

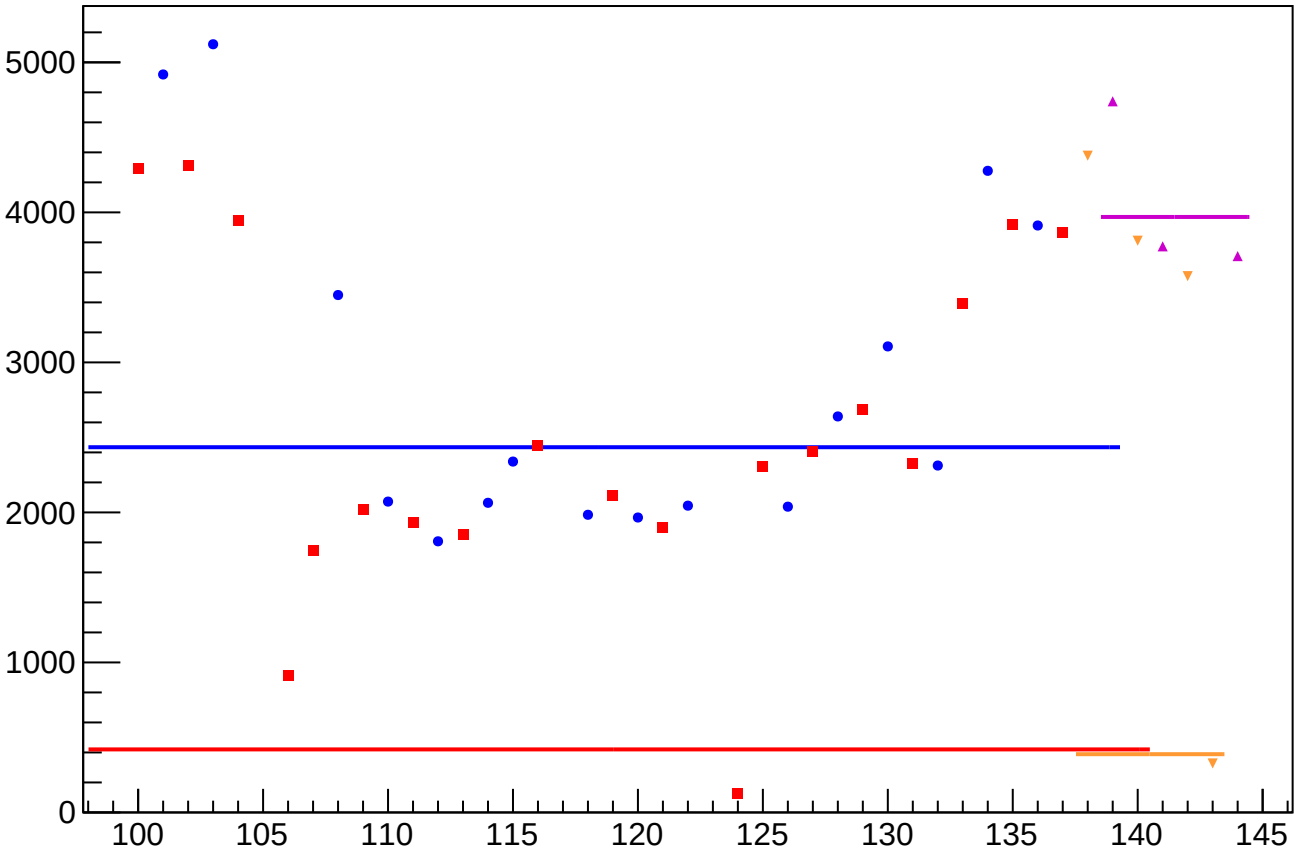
Left: 26.560+/-357.188 χ^2/NDF: 3.5/6

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 172.851+/-895.668 χ^2/NDF:16.1/18

Out: -51.842+/-241.003 χ^2/NDF:23.6/22

All: -36.672+/-232.725 χ^2/NDF: 39.8/41



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 388.396+/-0.255 χ^2/NDF:3376789.0/3

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3969.420+/-1.747 χ^2/NDF:58172.7/2

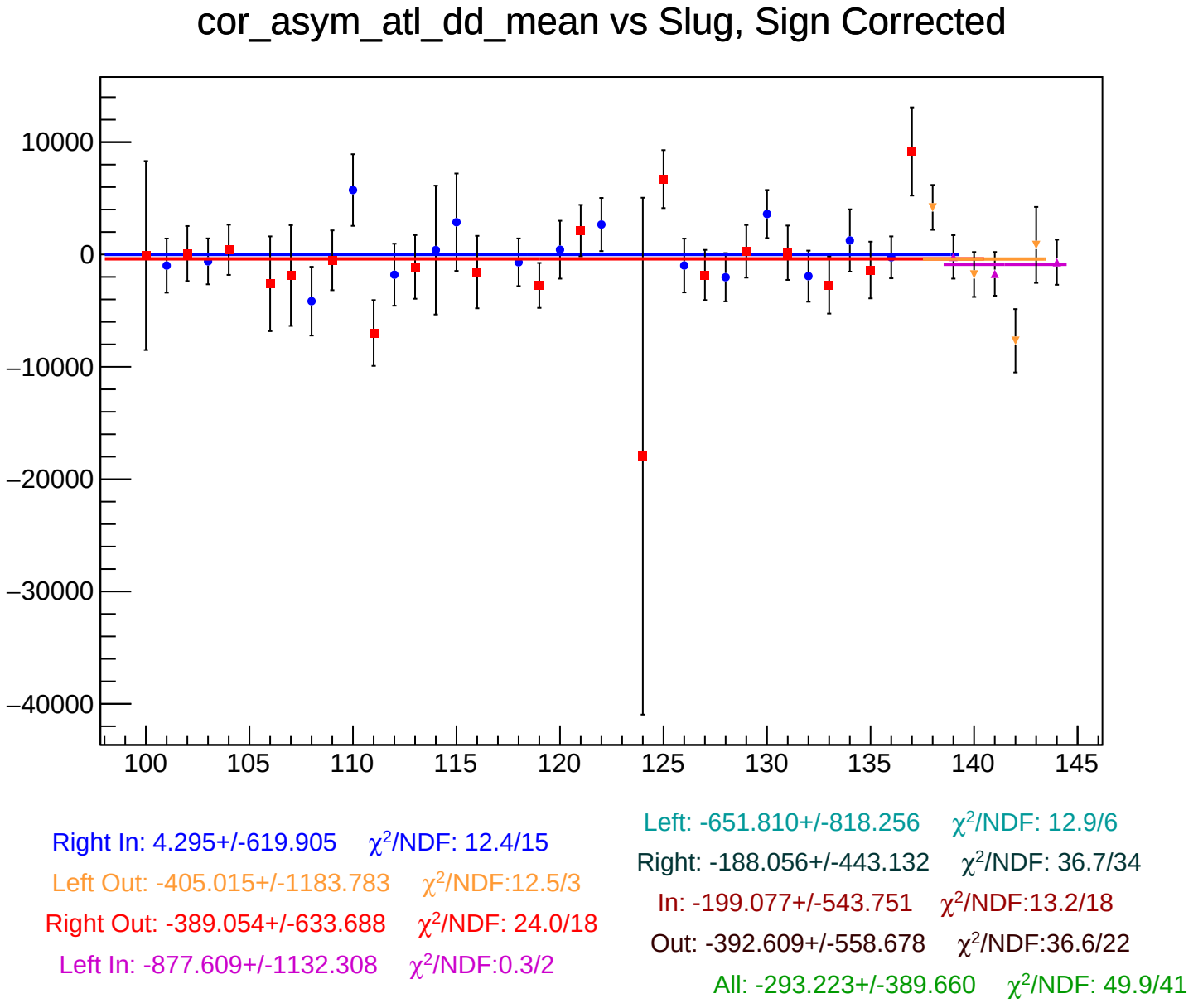
Left: 463.272+/-0.253 χ^2/NDF: 7550356.1/6

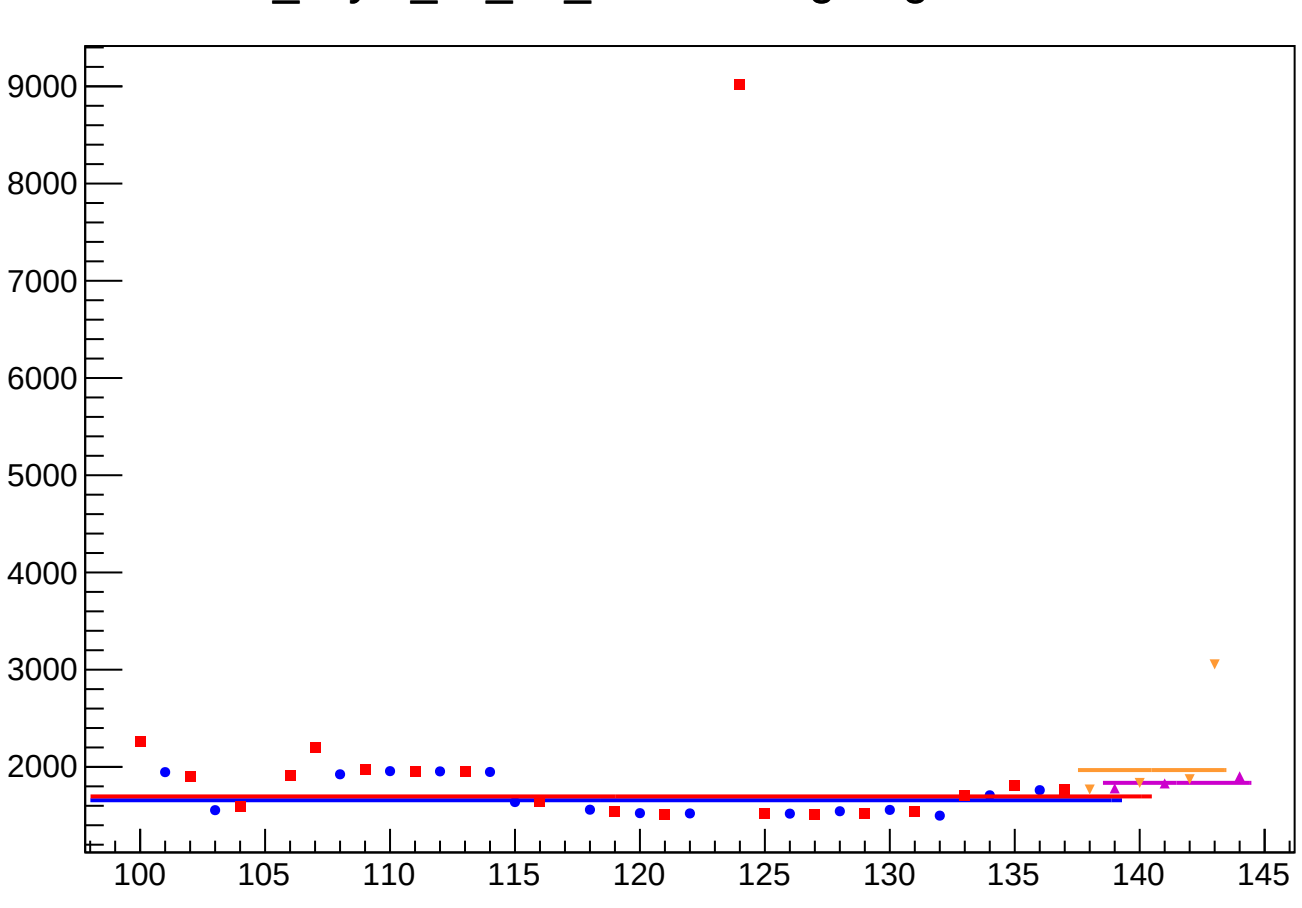
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2636.382+/-0.633 χ^2/NDF:2186513.2/18

Out: 406.075+/-0.170 χ^2/NDF:14449417.7/22

All: 556.652+/-0.165 χ^2/NDF: 28199923.4/41


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: -405.015+/-1183.783 χ²/NDF:12.5/3
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -877.609+/-1132.308 χ²/NDF:0.3/2
Left: -651.810+/-818.256 χ²/NDF: 12.9/6
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -199.077+/-543.751 χ²/NDF:13.2/18
Out: -392.609+/-558.678 χ²/NDF:36.6/22
All: -293.223+/-389.660 χ²/NDF: 49.9/41



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

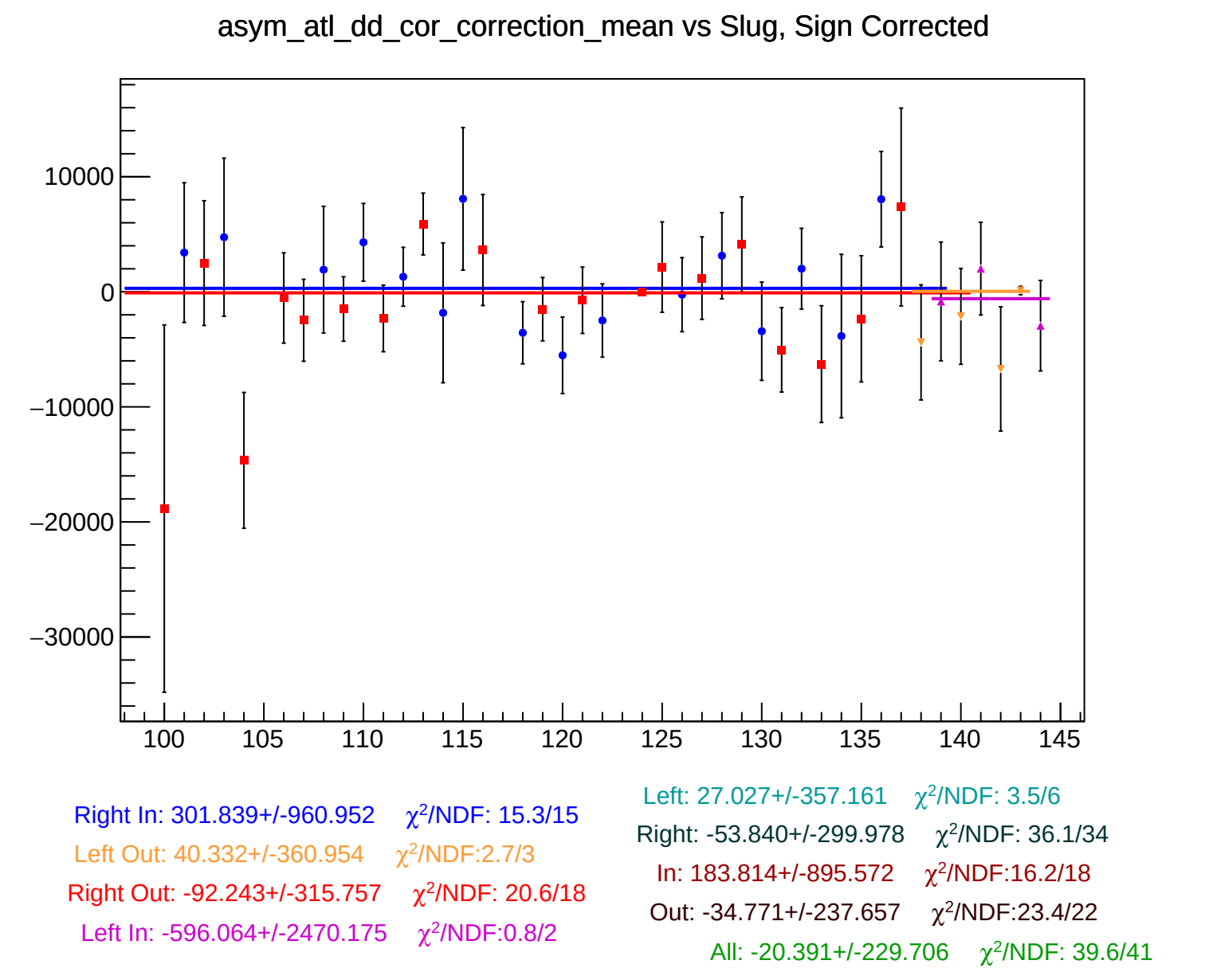
Left: 1898.819+/-0.579 χ^2/NDF: 254705.9/6

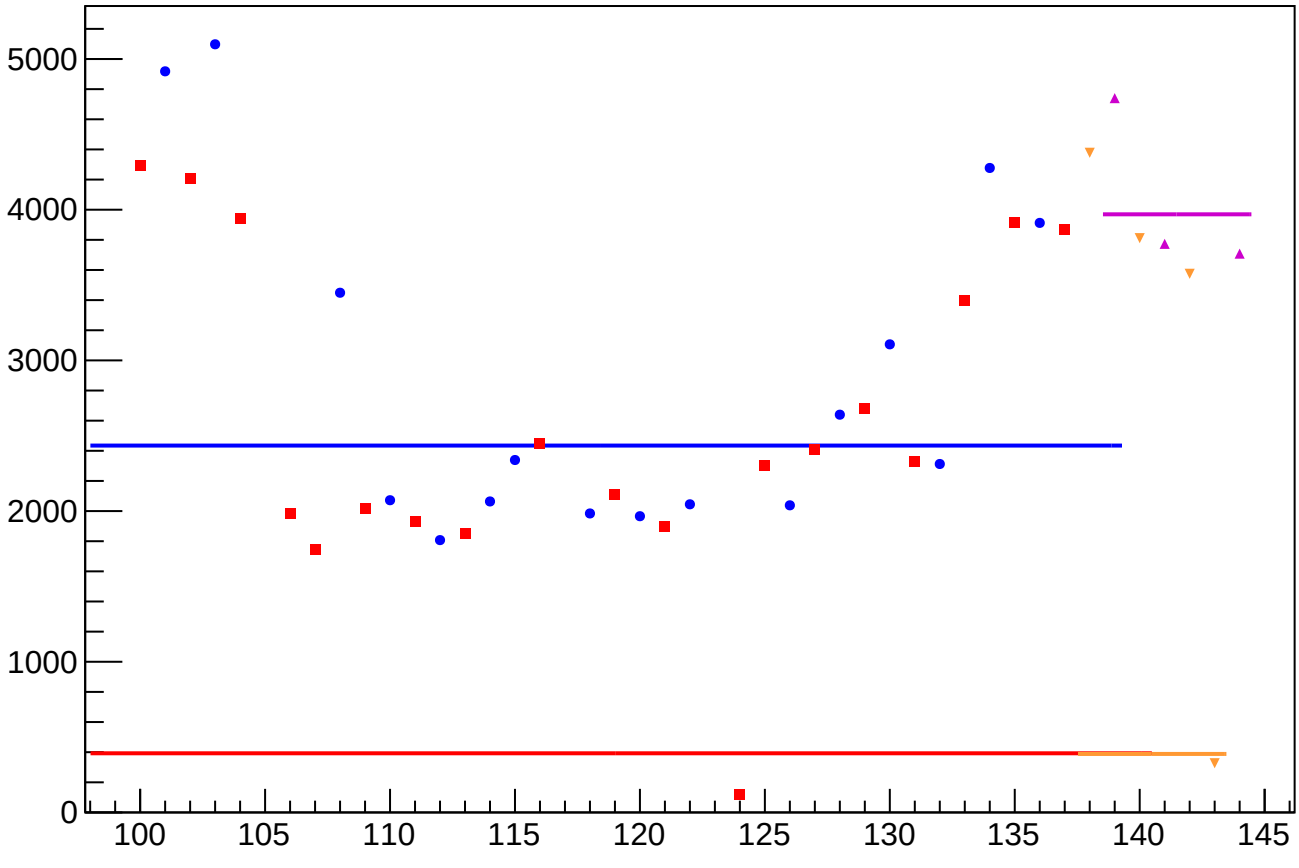
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.383+/-0.384 χ^2/NDF:186406.8/18

Out: 1756.409+/-0.394 χ^2/NDF:707428.0/22

All: 1726.704+/-0.275 χ^2/NDF: 904951.3/41


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 40.332+/-360.954 χ²/NDF:2.7/3
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -596.064+/-2470.175 χ²/NDF:0.8/2
Left: 27.027+/-357.161 χ²/NDF: 3.5/6
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: 183.814+/-895.572 χ²/NDF:16.2/18
Out: -34.771+/-237.657 χ²/NDF:23.4/22
All: -20.391+/-229.706 χ²/NDF: 39.6/41



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3969.419+/-1.747 χ^2/NDF:58170.9/2

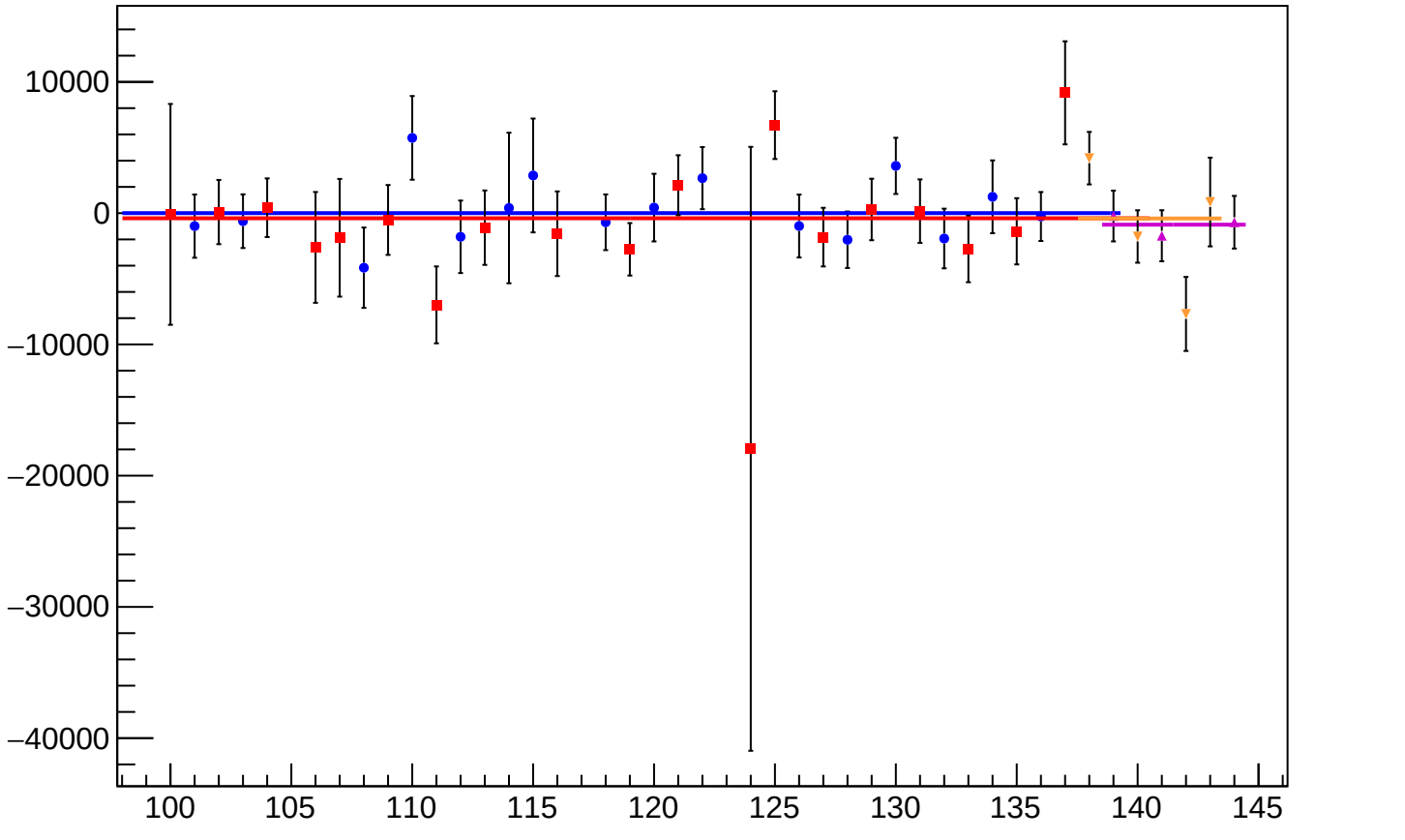
Left: 463.224+/-0.253 χ^2/NDF: 7550519.9/6

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2636.482+/-0.633 χ^2/NDF:2184695.0/18

Out: 390.798+/-0.168 χ^2/NDF:14785018.8/22

All: 538.537+/-0.162 χ^2/NDF: 28717935.3/41



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -405.015+/-1183.783 χ^2/NDF:12.5/3

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -877.609+/-1132.308 χ^2/NDF:0.3/2

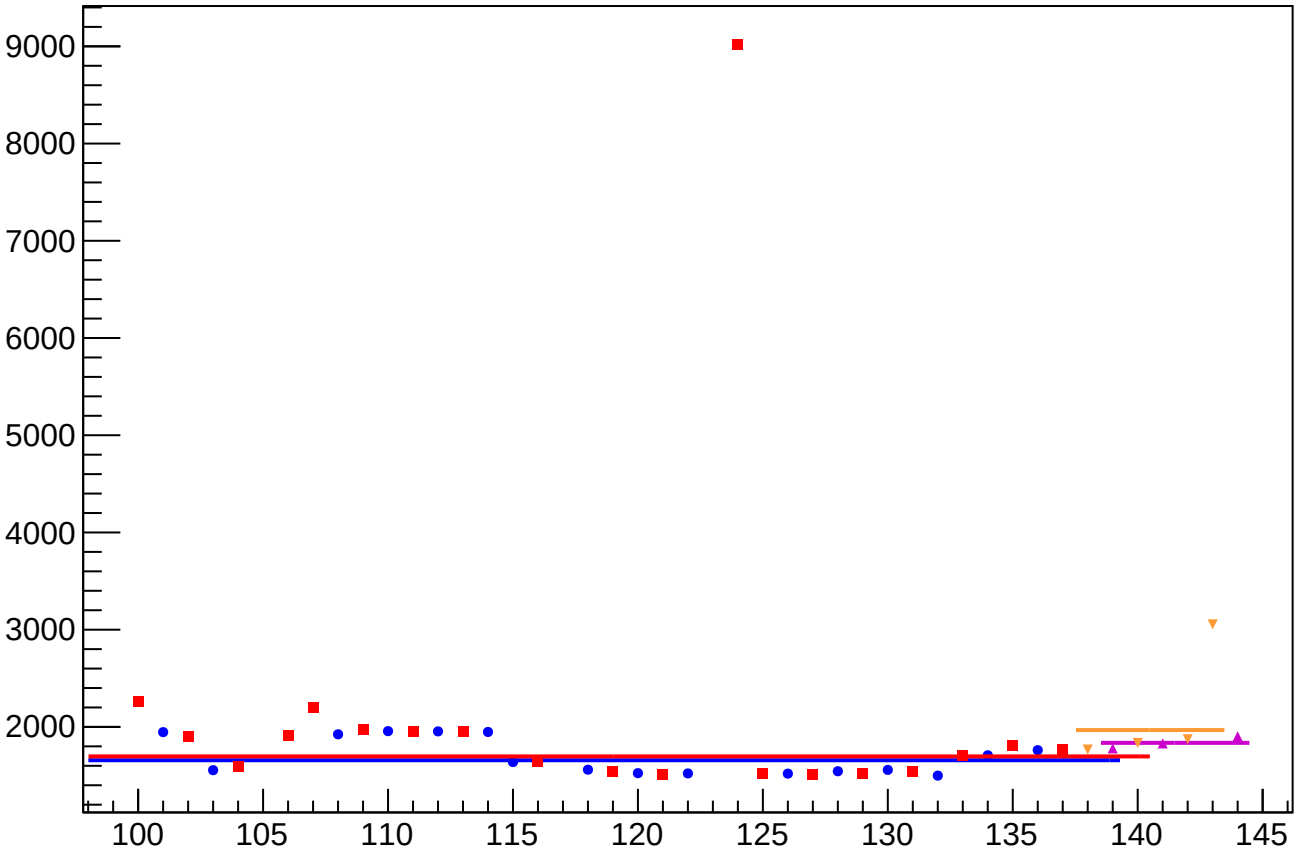
Left: -651.810+/-818.256 χ^2/NDF: 12.9/6

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -199.077+/-543.751 χ^2/NDF:13.2/18

Out: -392.609+/-558.678 χ^2/NDF:36.6/22

All: -293.223+/-389.660 χ^2/NDF: 49.9/41



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1836.056+/-0.801 χ^2/NDF:3996.3/2

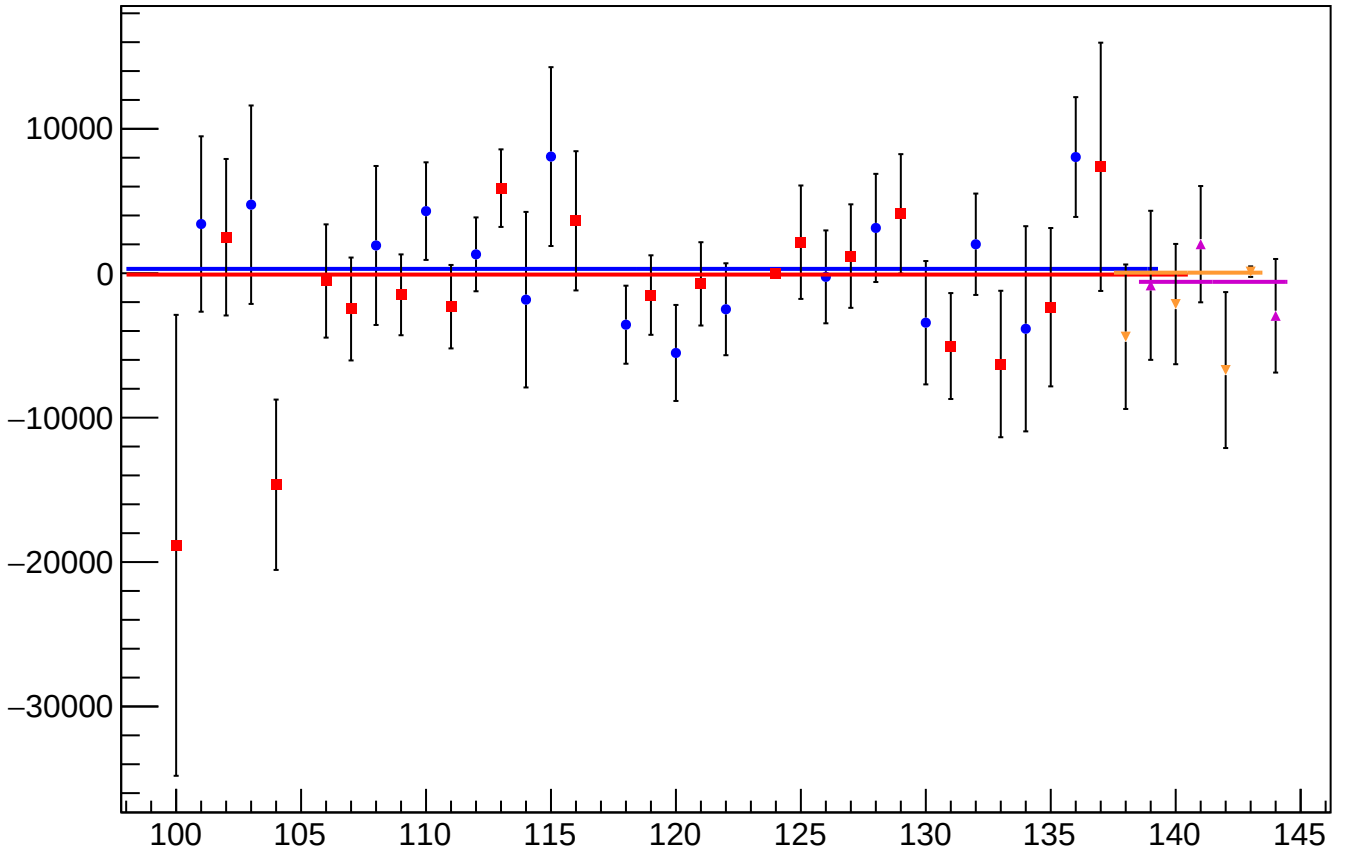
Left: 1898.819+/-0.579 χ^2/NDF: 254705.9/6

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.383+/-0.384 χ^2/NDF:186406.8/18

Out: 1756.409+/-0.394 χ^2/NDF:707428.0/22

All: 1726.704+/-0.275 χ^2/NDF: 904951.3/41



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 40.332+/-360.954 χ^2/NDF:2.7/3

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -596.064+/-2470.175 χ^2/NDF:0.8/2

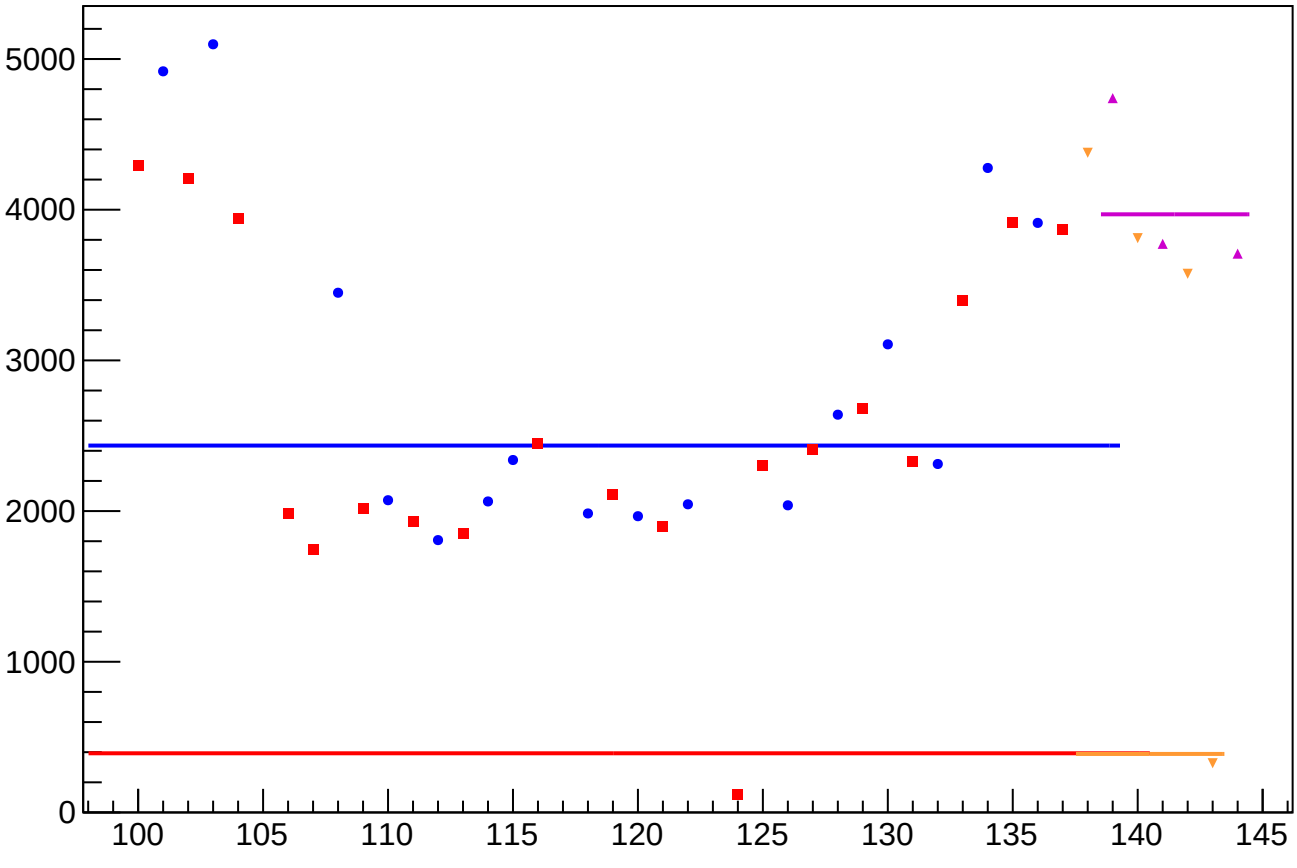
Left: 27.027+/-357.161 χ^2/NDF: 3.5/6

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 183.814+/-895.572 χ^2/NDF:16.2/18

Out: -34.771+/-237.657 χ^2/NDF:23.4/22

All: -20.391+/-229.706 χ^2/NDF: 39.6/41



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3969.419+/-1.747 χ^2/NDF:58170.9/2

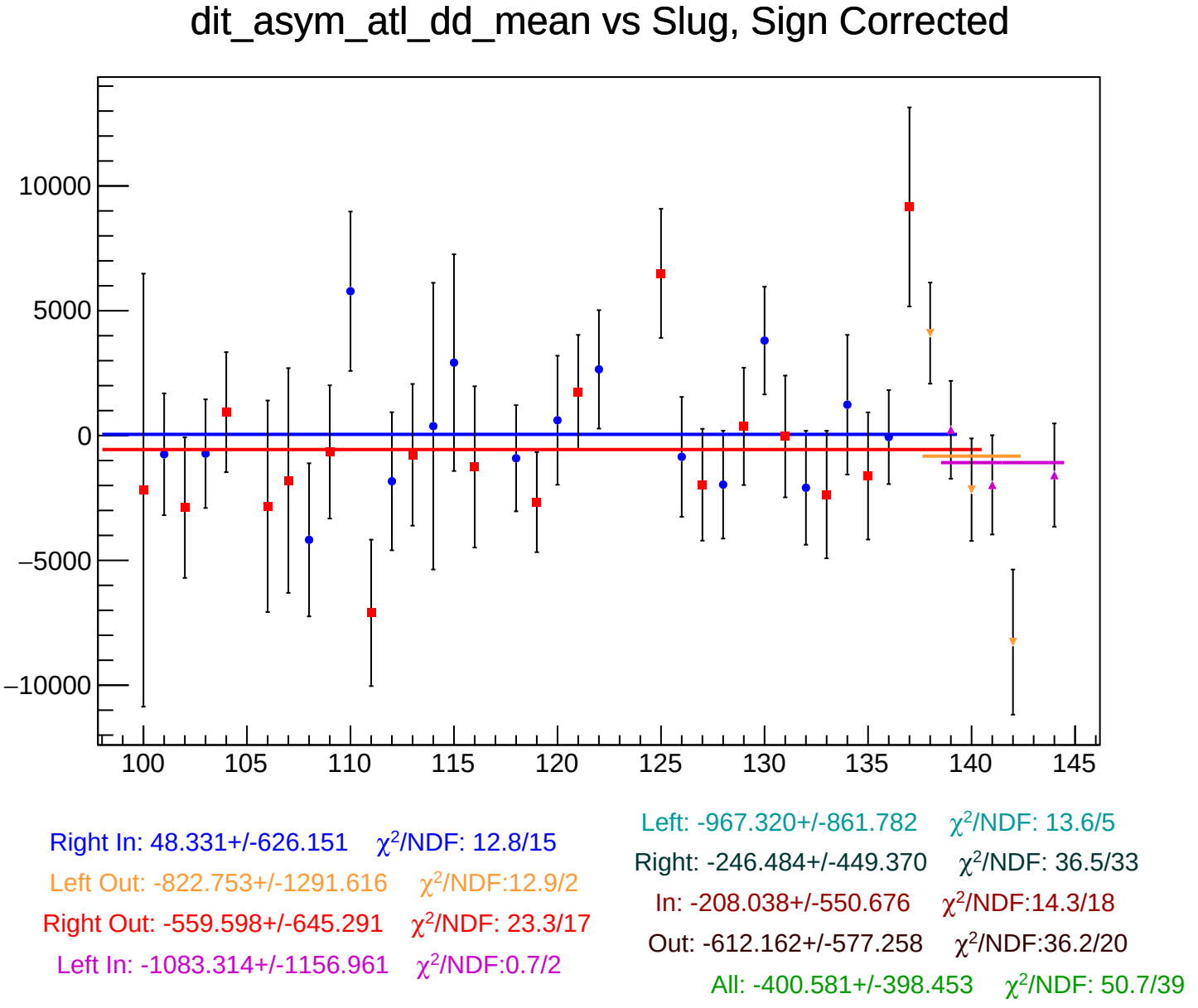
Left: 463.224+/-0.253 χ^2/NDF: 7550519.9/6

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

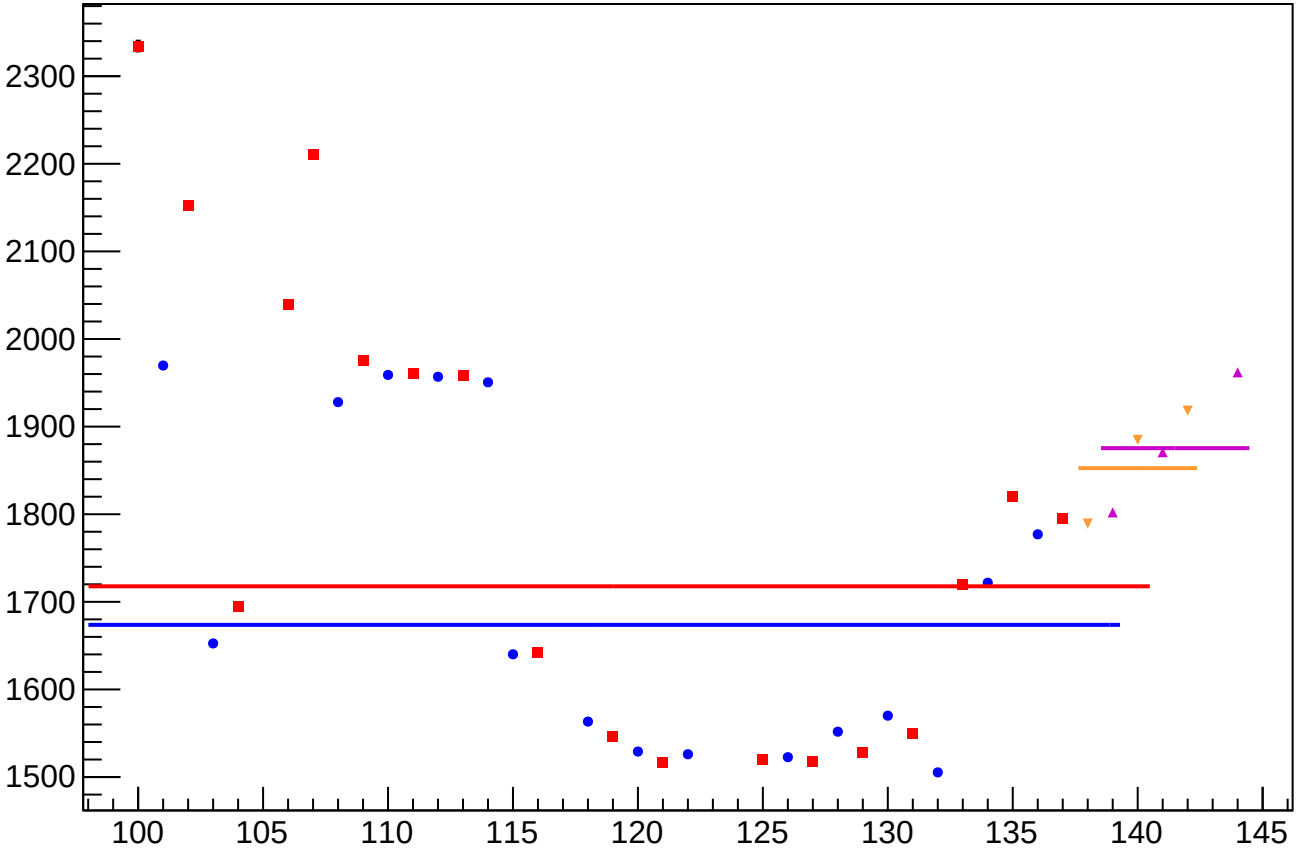
In: 2636.482+/-0.633 χ^2/NDF:2184695.0/18

Out: 390.798+/-0.168 χ^2/NDF:14785018.8/22

All: 538.537+/-0.162 χ^2/NDF: 28717935.3/41


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: -822.753+/-1291.616 χ²/NDF:12.9/2
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -1083.314+/-1156.961 χ²/NDF:0.7/2
Left: -967.320+/-861.782 χ²/NDF: 13.6/5
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -208.038+/-550.676 χ²/NDF:14.3/18
Out: -612.162+/-577.258 χ²/NDF:36.2/20
All: -400.581+/-398.453 χ²/NDF: 50.7/39

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.606+/-0.913 χ^2/NDF:3466.8/2

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1875.420+/-0.818 χ^2/NDF:6314.2/2

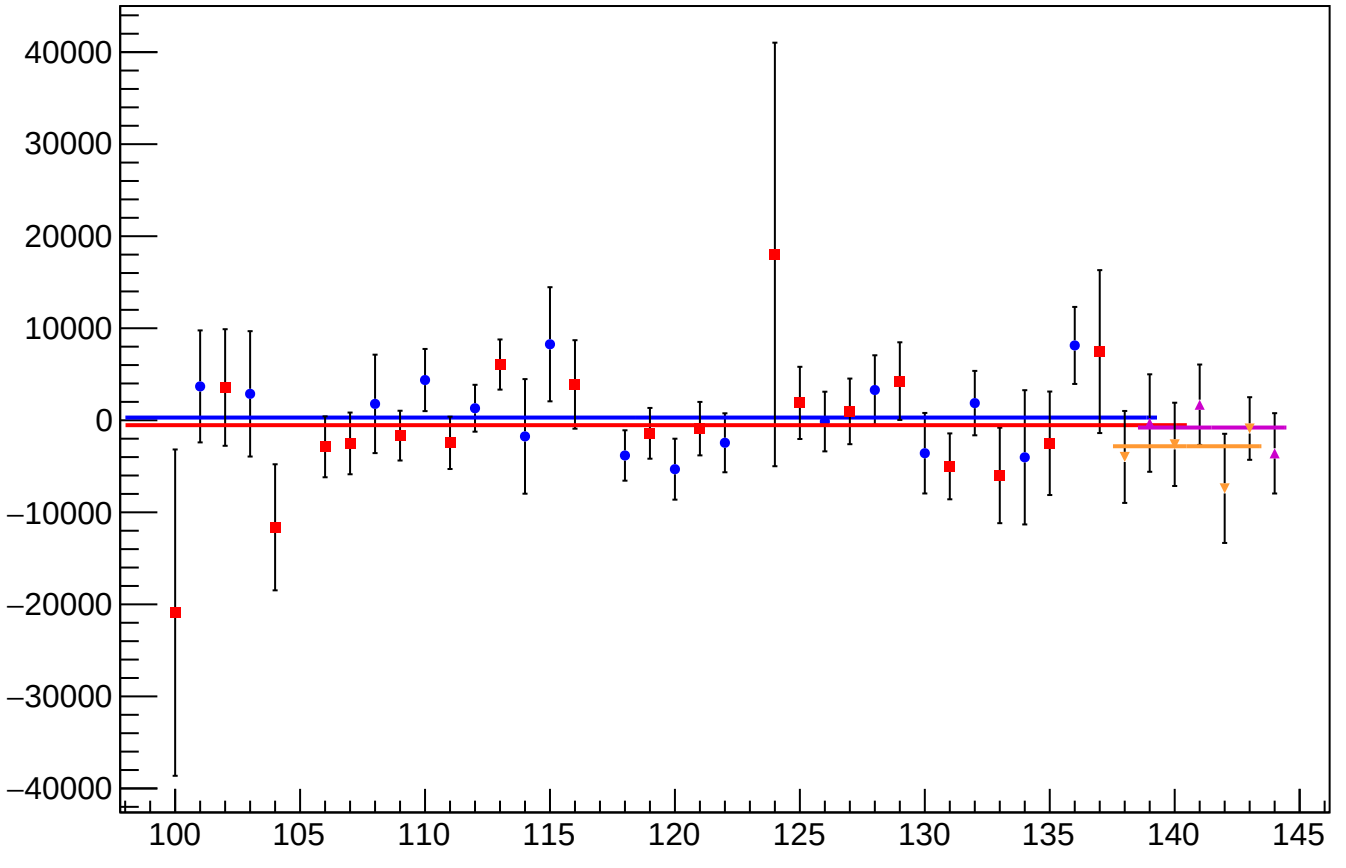
Left: 1865.264+/-0.609 χ^2/NDF: 10127.2/5

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1719.421+/-0.389 χ^2/NDF:194198.6/18

Out: 1744.558+/-0.407 χ^2/NDF:248581.9/20

All: 1731.420+/-0.281 χ^2/NDF: 444769.8/39



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2821.277+/-2215.183 χ^2/NDF:1.0/3

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -787.741+/-2666.998 χ^2/NDF:0.7/2

Left: -1991.102+/-1704.047 χ^2/NDF: 2.1/6

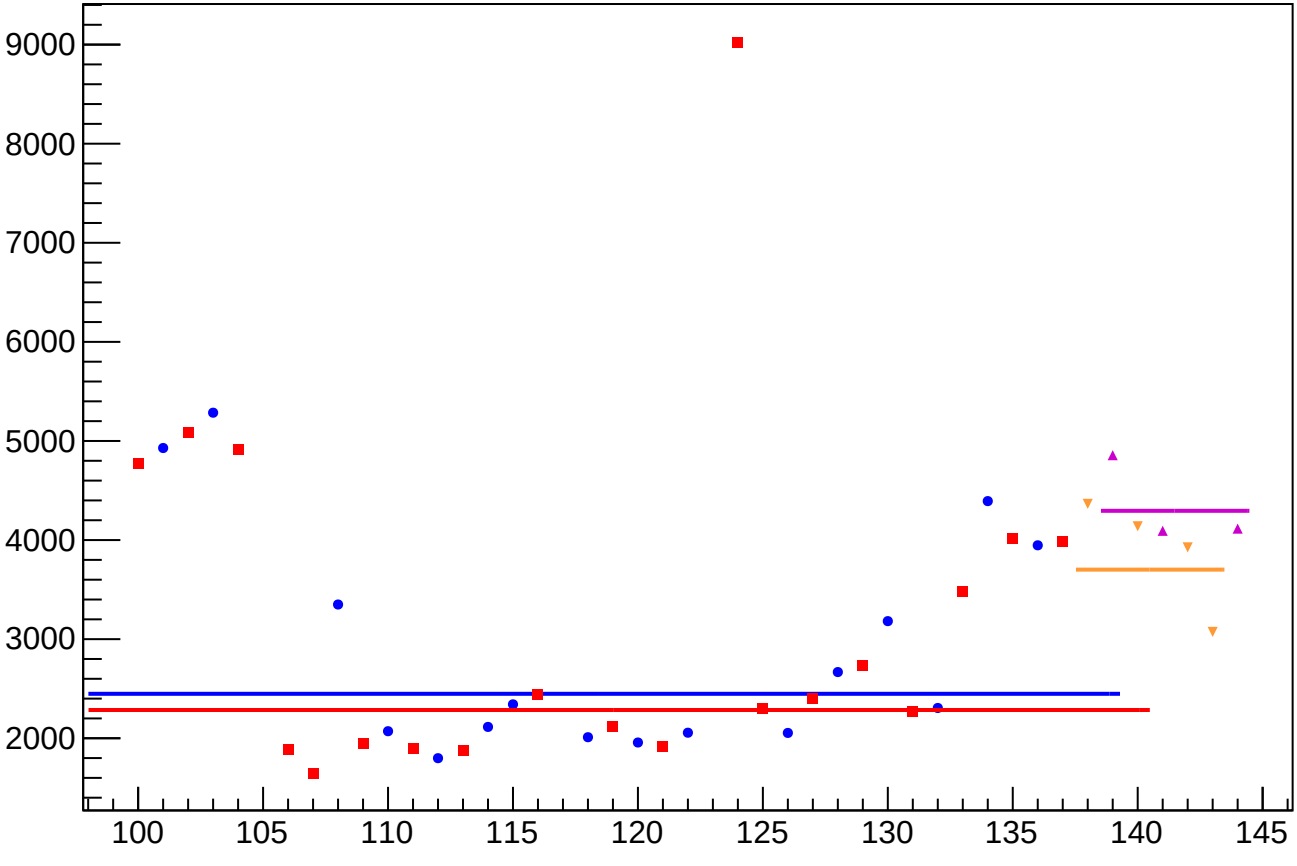
Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 171.072+/-907.158 χ^2/NDF:16.1/18

Out: -845.614+/-821.013 χ^2/NDF:20.7/22

All: -387.824+/-608.727 χ^2/NDF: 37.5/41

asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3701.775+/-1.566 χ^2/NDF:125123.6/3

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4295.219+/-1.886 χ^2/NDF:30130.3/2

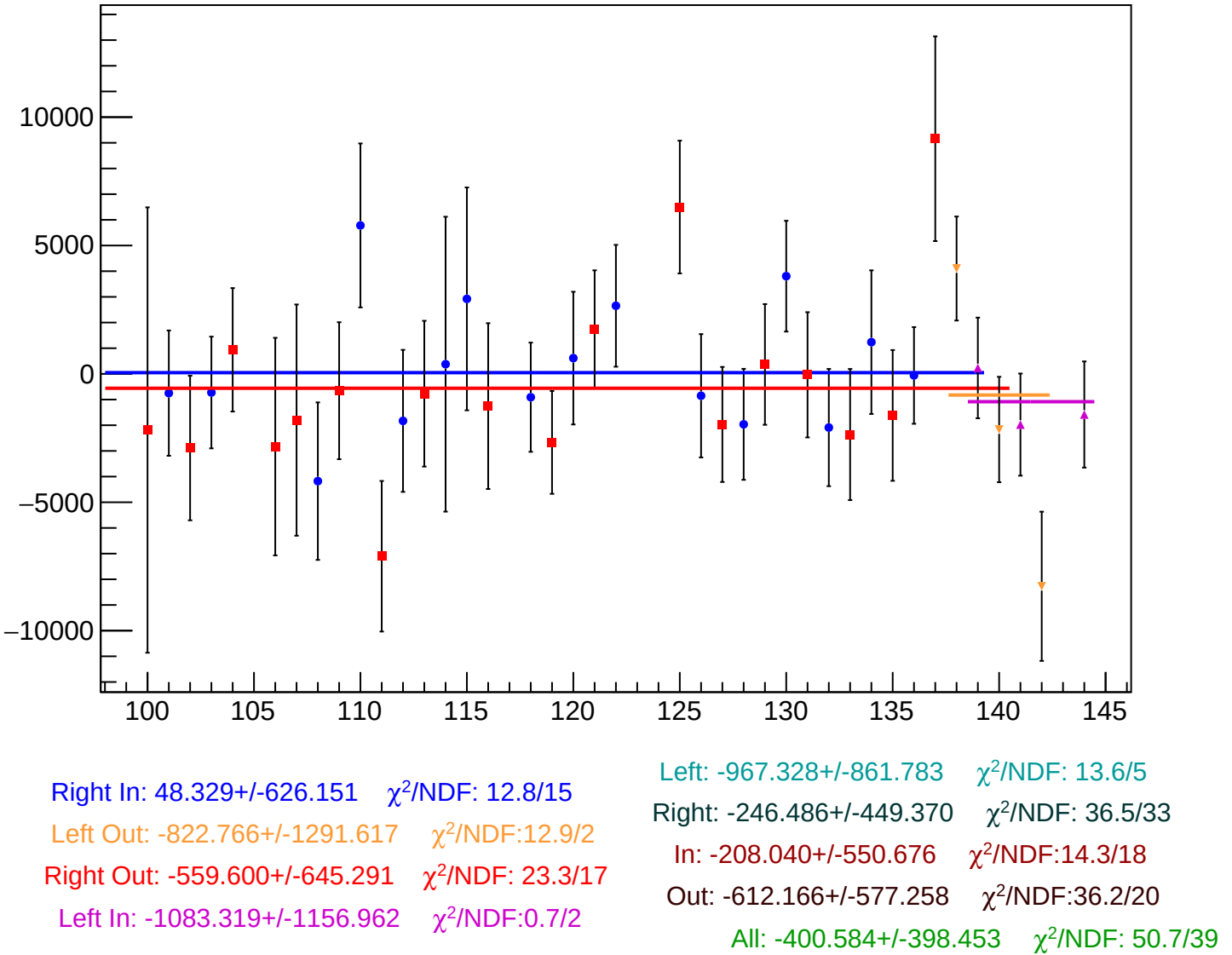
Left: 3944.044+/-1.205 χ^2/NDF: 213852.6/6

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2662.246+/-0.641 χ^2/NDF:2395609.9/18

Out: 2479.682+/-0.581 χ^2/NDF:2379598.9/22

All: 2561.886+/-0.430 χ^2/NDF: 4819737.3/41


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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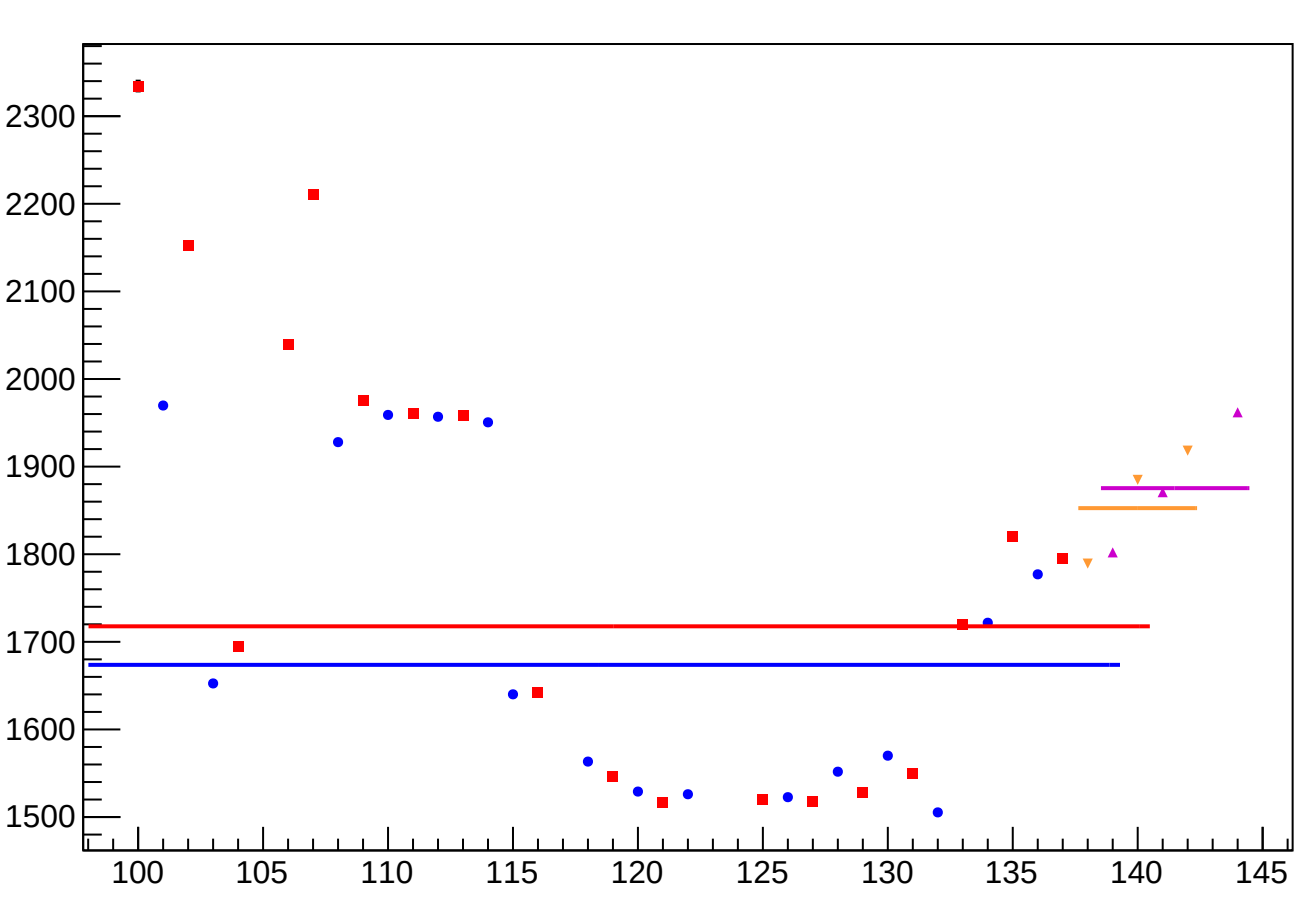
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: -822.766+/-1291.617 χ²/NDF:12.9/2
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -1083.319+/-1156.962 χ²/NDF:0.7/2
Left: -967.328+/-861.783 χ²/NDF: 13.6/5
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -208.040+/-550.676 χ²/NDF:14.3/18
Out: -612.166+/-577.258 χ²/NDF:36.2/20
All: -400.584+/-398.453 χ²/NDF: 50.7/39



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.607+/-0.913 χ^2/NDF:3466.9/2

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1875.421+/-0.818 χ^2/NDF:6314.2/2

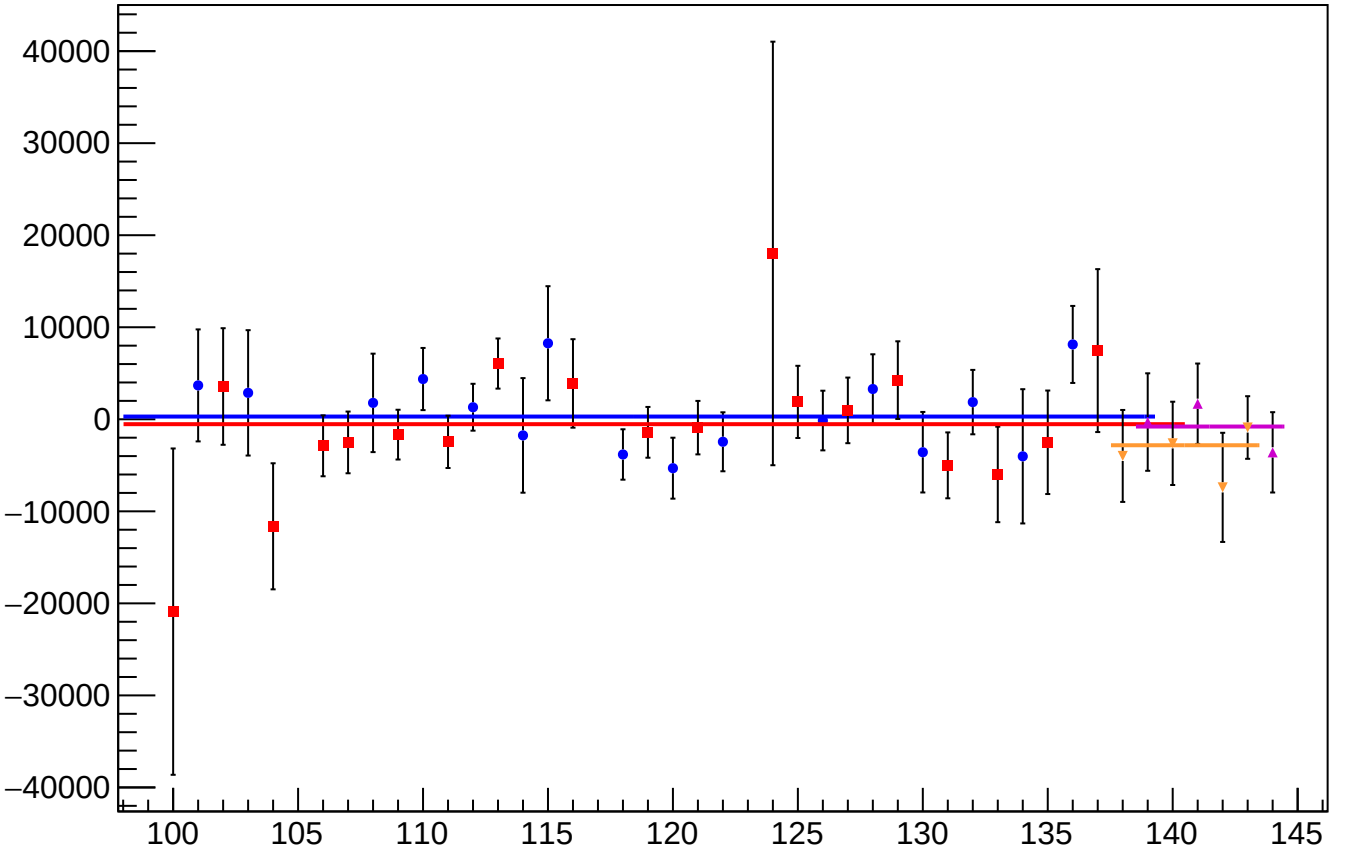
Left: 1865.265+/-0.609 χ^2/NDF: 10127.4/5

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1719.421+/-0.389 χ^2/NDF:194199.3/18

Out: 1744.558+/-0.407 χ^2/NDF:248581.5/20

All: 1731.420+/-0.281 χ^2/NDF: 444770.1/39



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2821.282+/-2215.187 χ^2/NDF:1.0/3

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -787.744+/-2667.004 χ^2/NDF:0.7/2

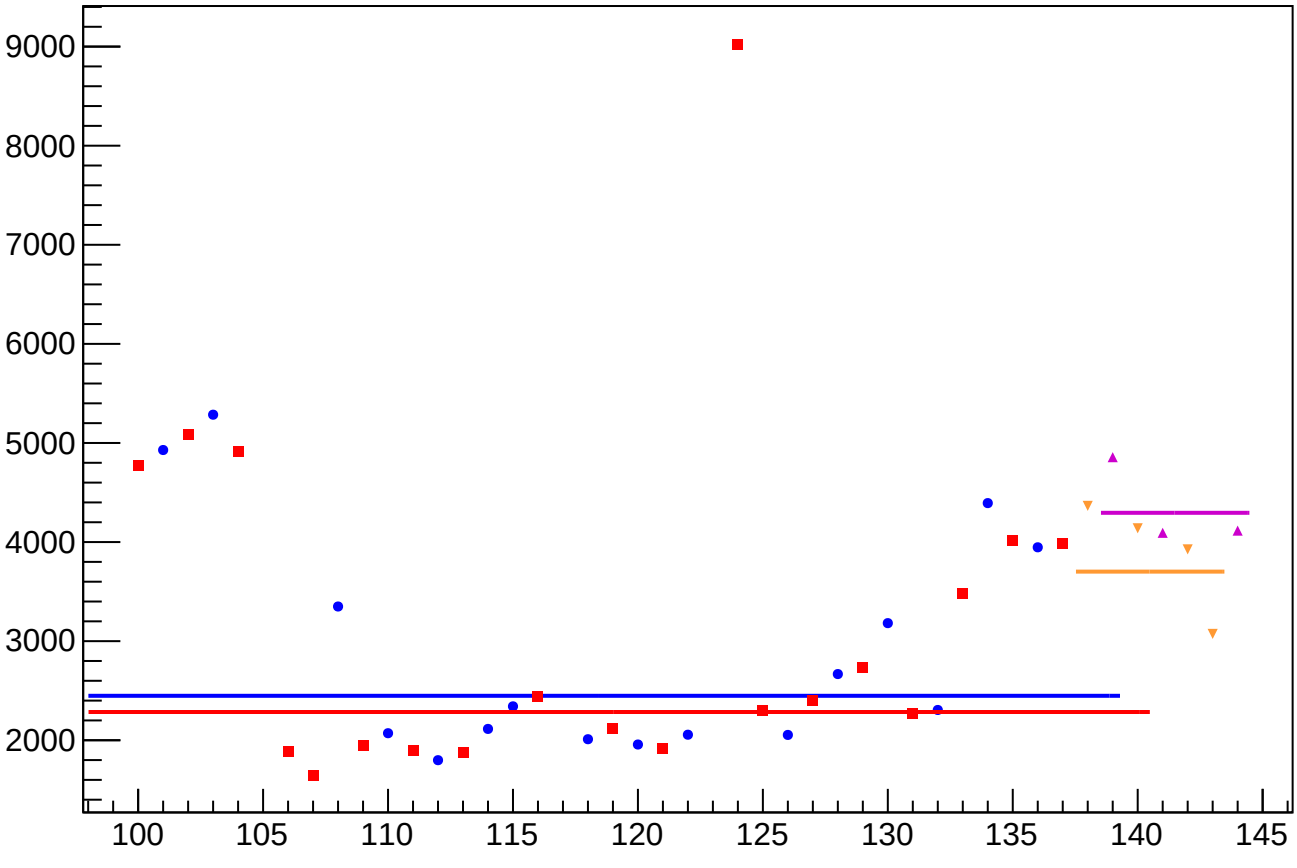
Left: -1991.107+/-1704.050 χ^2/NDF: 2.1/6

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 171.068+/-907.155 χ^2/NDF:16.1/18

Out: -845.613+/-821.011 χ^2/NDF:20.7/22

All: -387.826+/-608.725 χ^2/NDF: 37.5/41



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3701.780+/-1.566 χ^2/NDF:125126.0/3

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4295.229+/-1.886 χ^2/NDF:30131.0/2

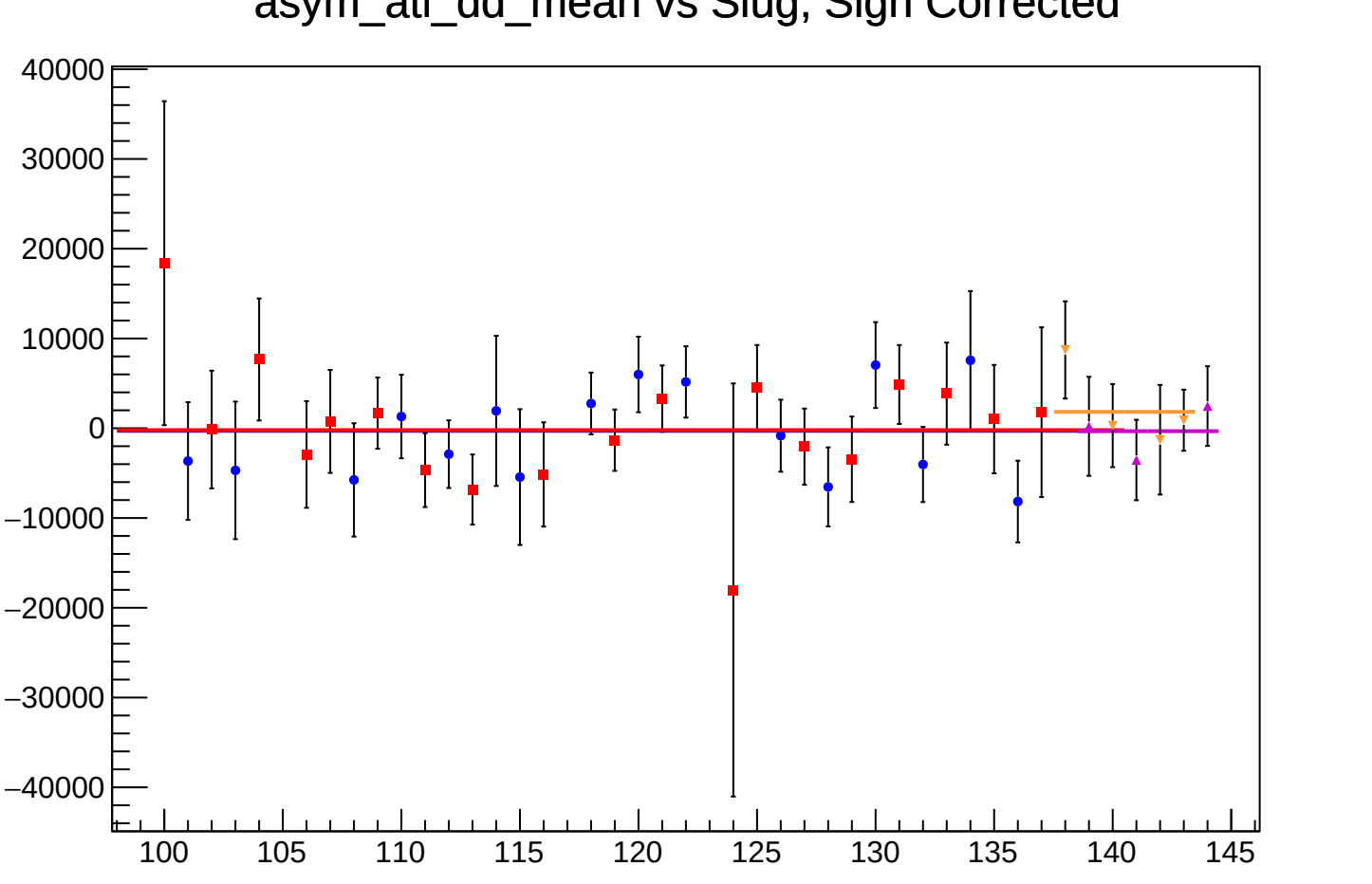
Left: 3944.051+/-1.205 χ^2/NDF: 213856.4/6

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2662.235+/-0.641 χ^2/NDF:2395639.7/18

Out: 2479.673+/-0.581 χ^2/NDF:2379622.2/22

All: 2561.877+/-0.430 χ^2/NDF: 4819789.5/41



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1825.774+/-2270.064 χ^2/NDF:2.1/3

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -327.548+/-2736.980 χ^2/NDF:0.9/2

Left: 948.183+/-1747.283 χ^2/NDF: 3.4/6

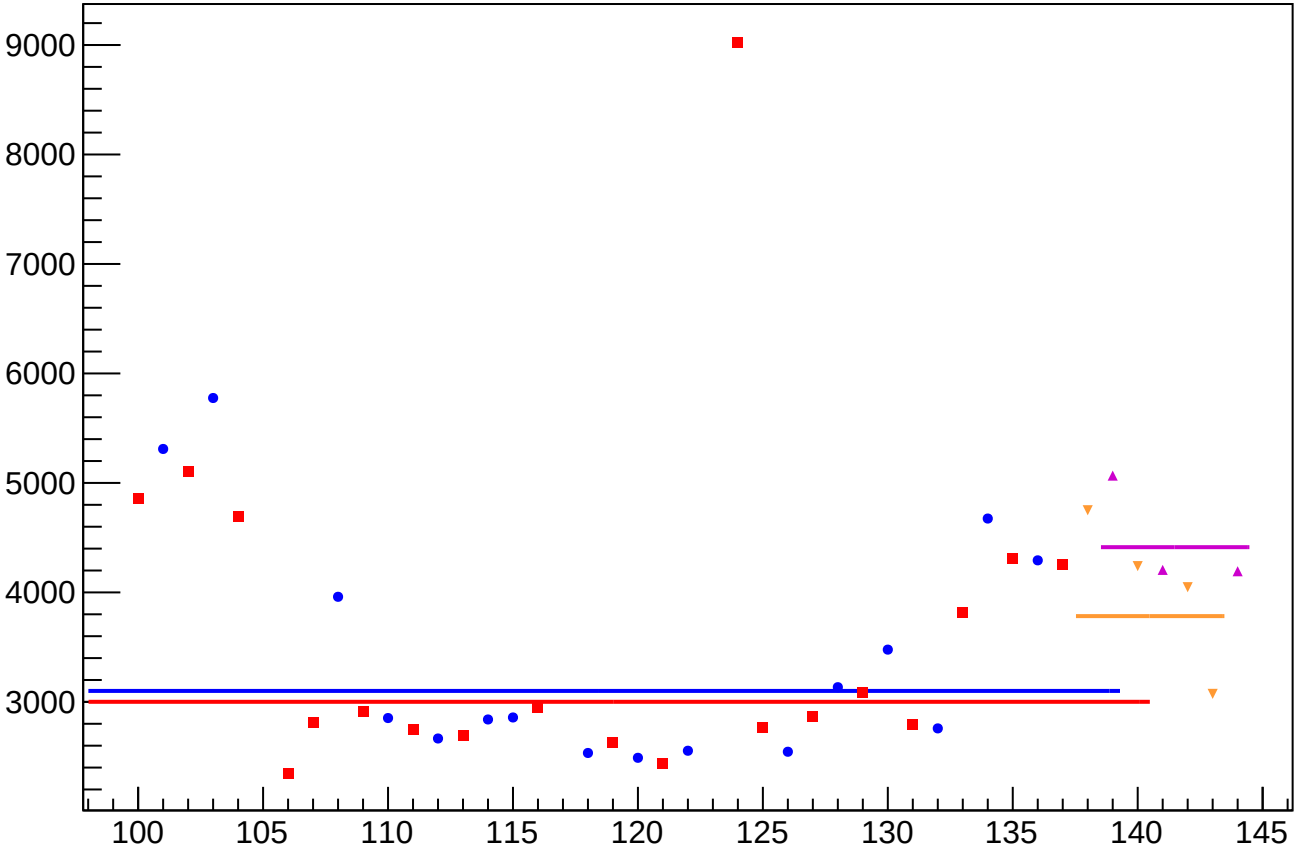
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -293.745+/-1096.964 χ^2/NDF:17.5/18

Out: 208.329+/-1028.525 χ^2/NDF:15.6/22

All: -26.558+/-750.306 χ^2/NDF: 33.2/41

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3783.404+/-1.605 χ^2/NDF:174191.3/3

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4413.158+/-1.935 χ^2/NDF:37294.3/2

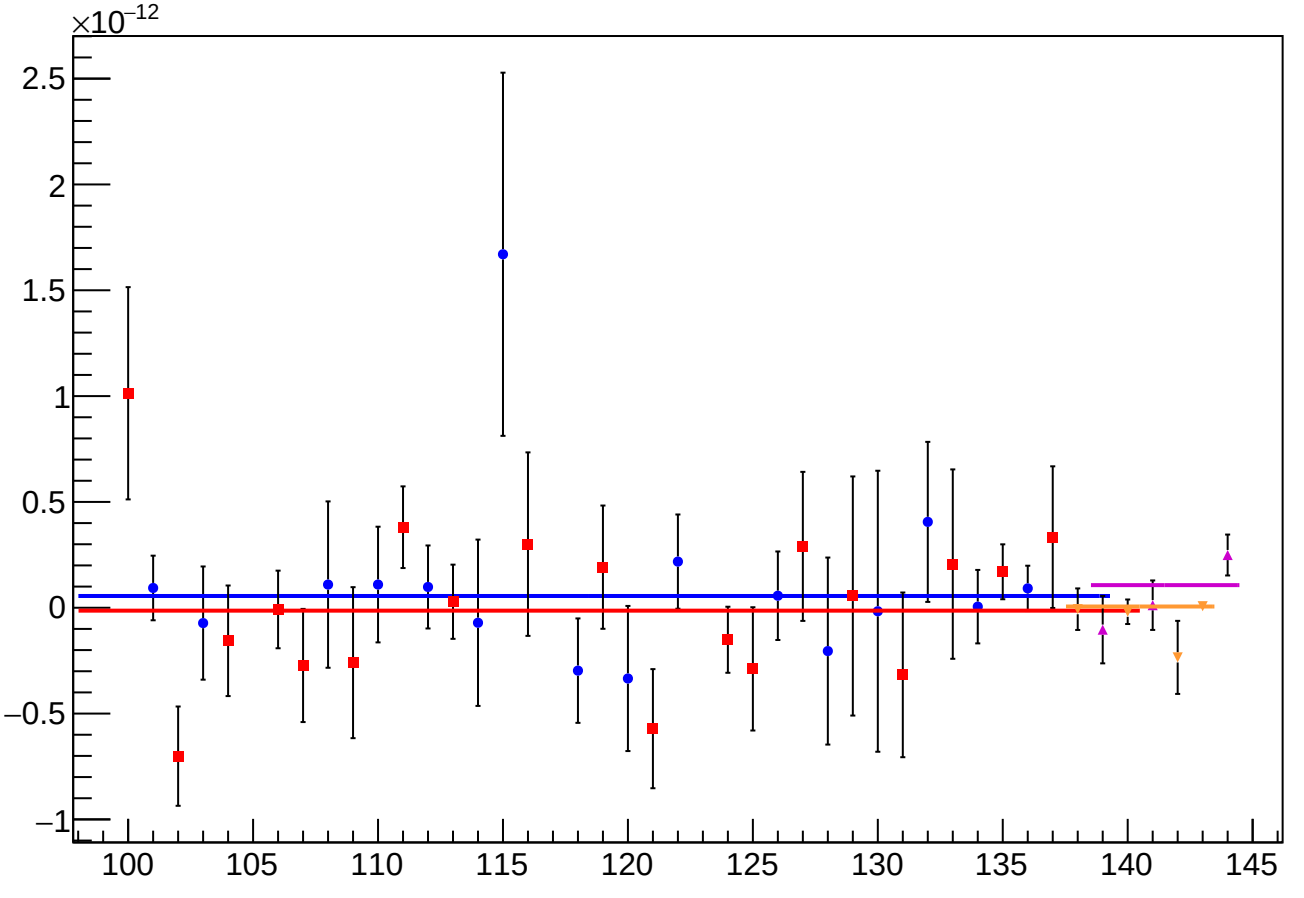
Left: 4040.061+/-1.236 χ^2/NDF: 274216.0/6

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3311.052+/-0.776 χ^2/NDF:1387314.8/18

Out: 3157.973+/-0.719 χ^2/NDF:1170770.5/22

All: 3228.764+/-0.527 χ^2/NDF: 2579021.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/2

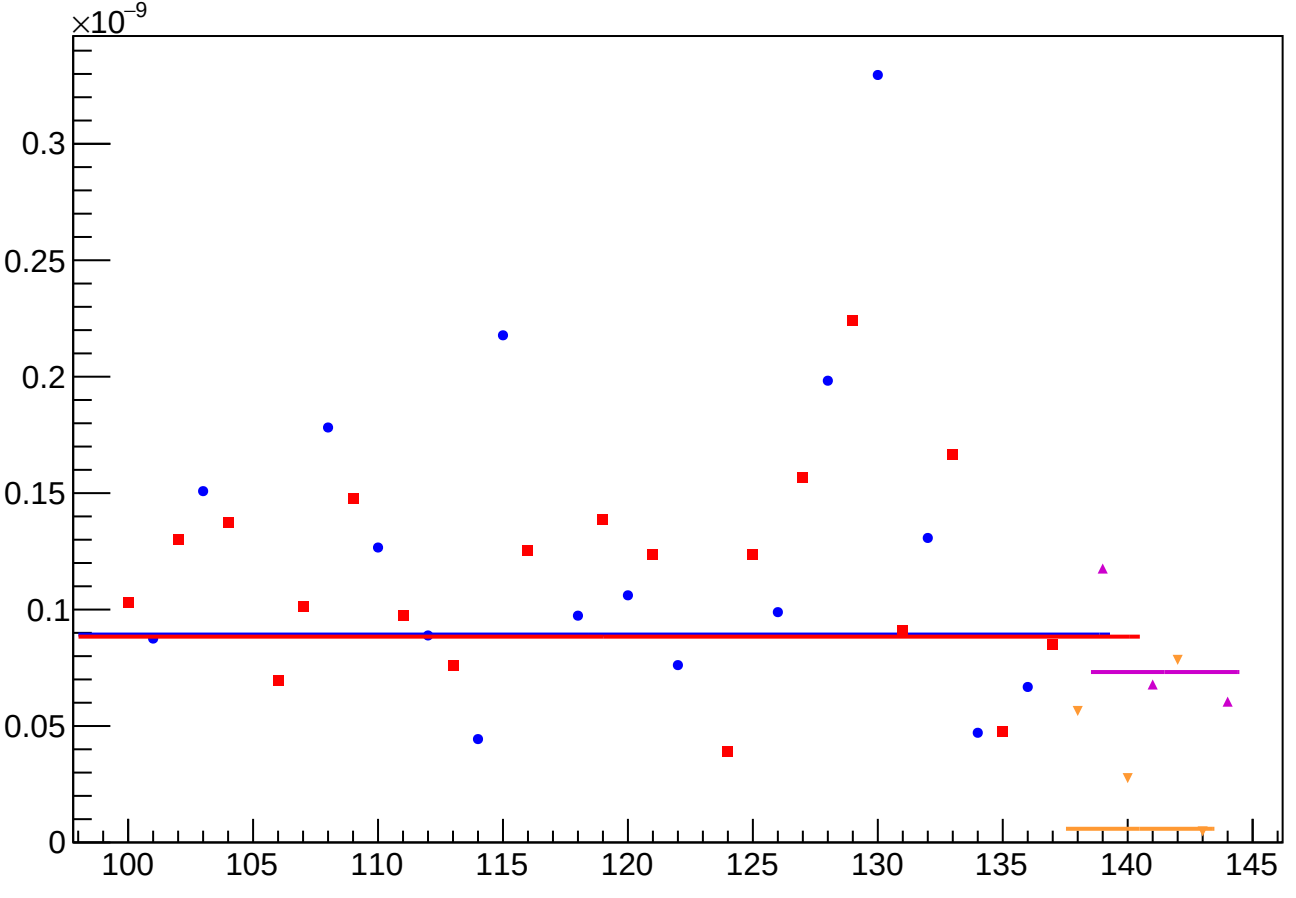
Left: 0.000+/-0.000 χ^2/NDF: 8.9/6

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:14.2/18

Out: 0.000+/-0.000 χ^2/NDF:32.3/22

All: 0.000+/-0.000 χ^2/NDF: 49.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1198326.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:194535.0/2

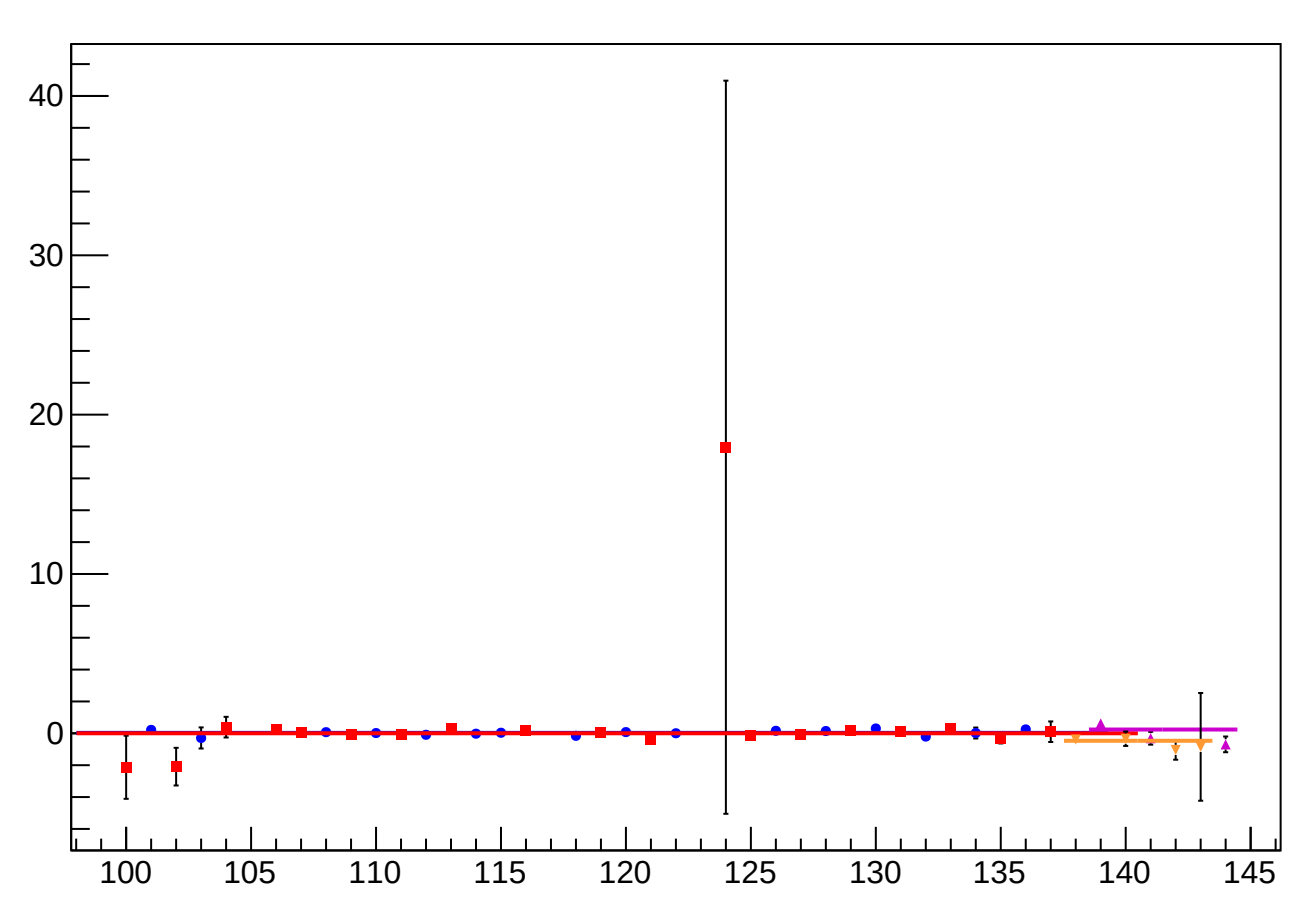
Left: 0.000+/-0.000 χ^2/NDF: 3350070.0/6

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1211050.0/18

Out: 0.000+/-0.000 χ^2/NDF:6483231.4/22

All: 0.000+/-0.000 χ^2/NDF: 13423836.6/41



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.238+/-0.186 χ^2/NDF:8.1/2

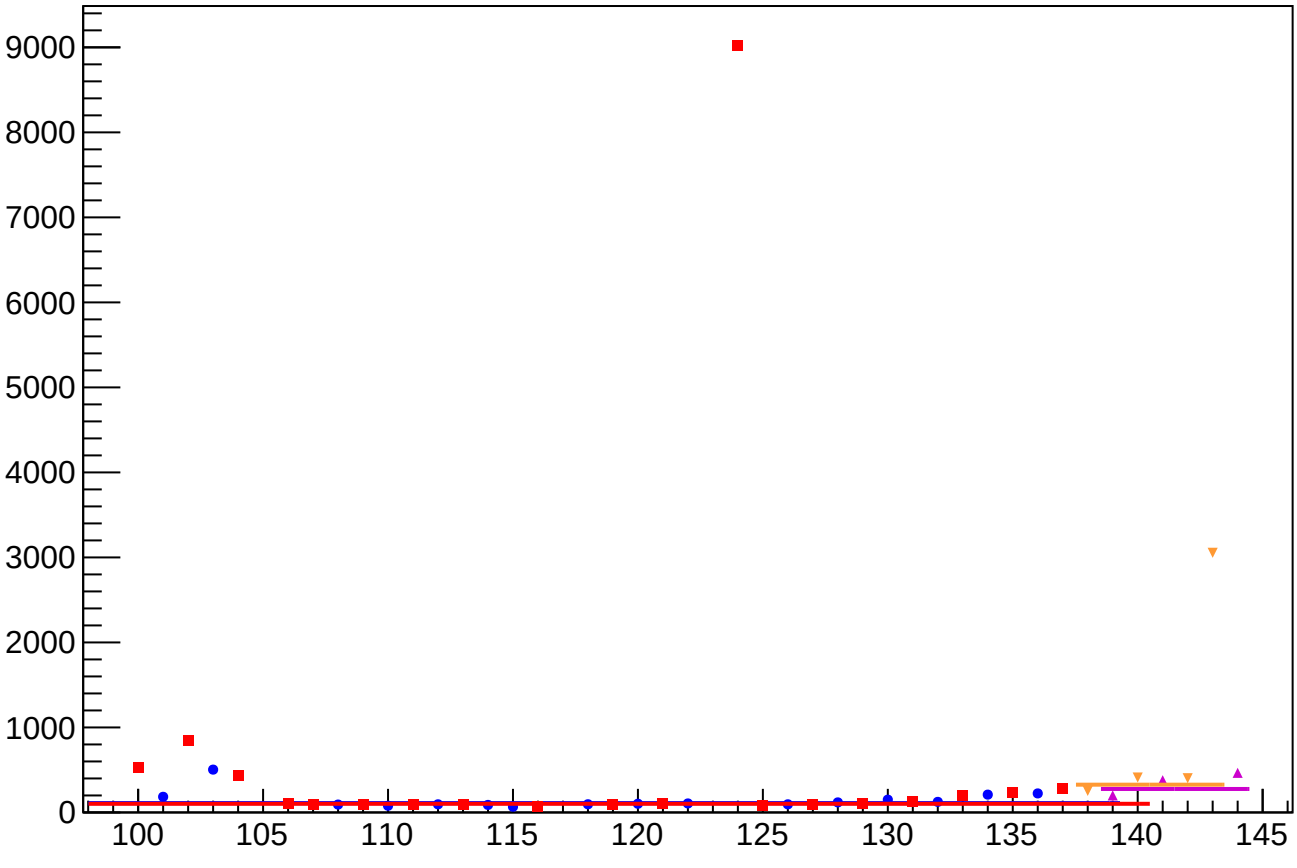
Left: -0.045+/-0.144 χ^2/NDF: 15.0/6

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.040+/-0.044 χ^2/NDF:18.2/18

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.012+/-0.031 χ^2/NDF: 46.5/41



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 326.802+/-0.161 χ^2/NDF:1527400.1/3

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.224+/-0.132 χ^2/NDF:639037.6/2

Left: 296.527+/-0.102 χ^2/NDF: 2225611.2/6

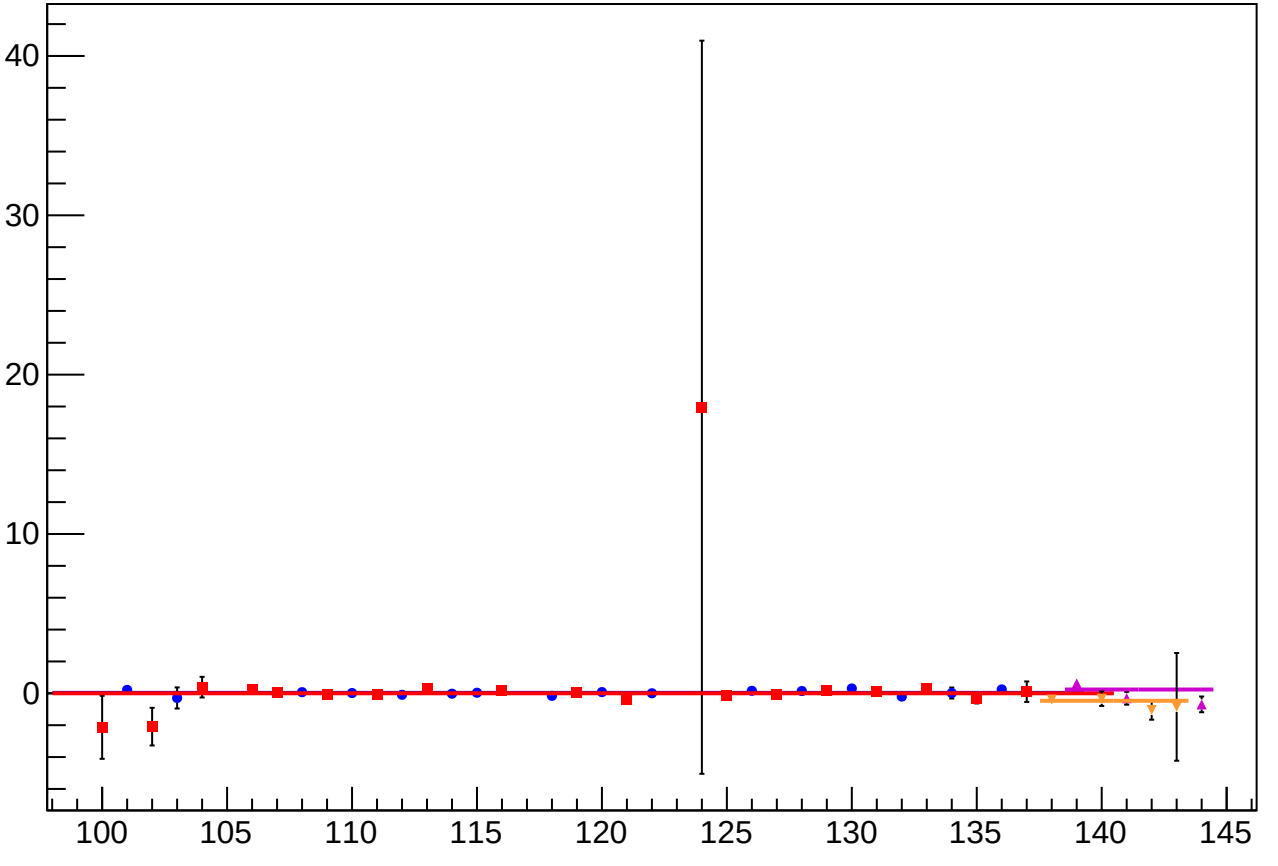
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 119.269+/-0.031 χ^2/NDF:4073152.2/18

Out: 109.741+/-0.030 χ^2/NDF:6004109.4/22

All: 114.350+/-0.022 χ^2/NDF: 10125635.8/41

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.238+/-0.186 χ^2/NDF:8.1/2

Left: -0.045+/-0.144 χ^2/NDF: 15.0/6

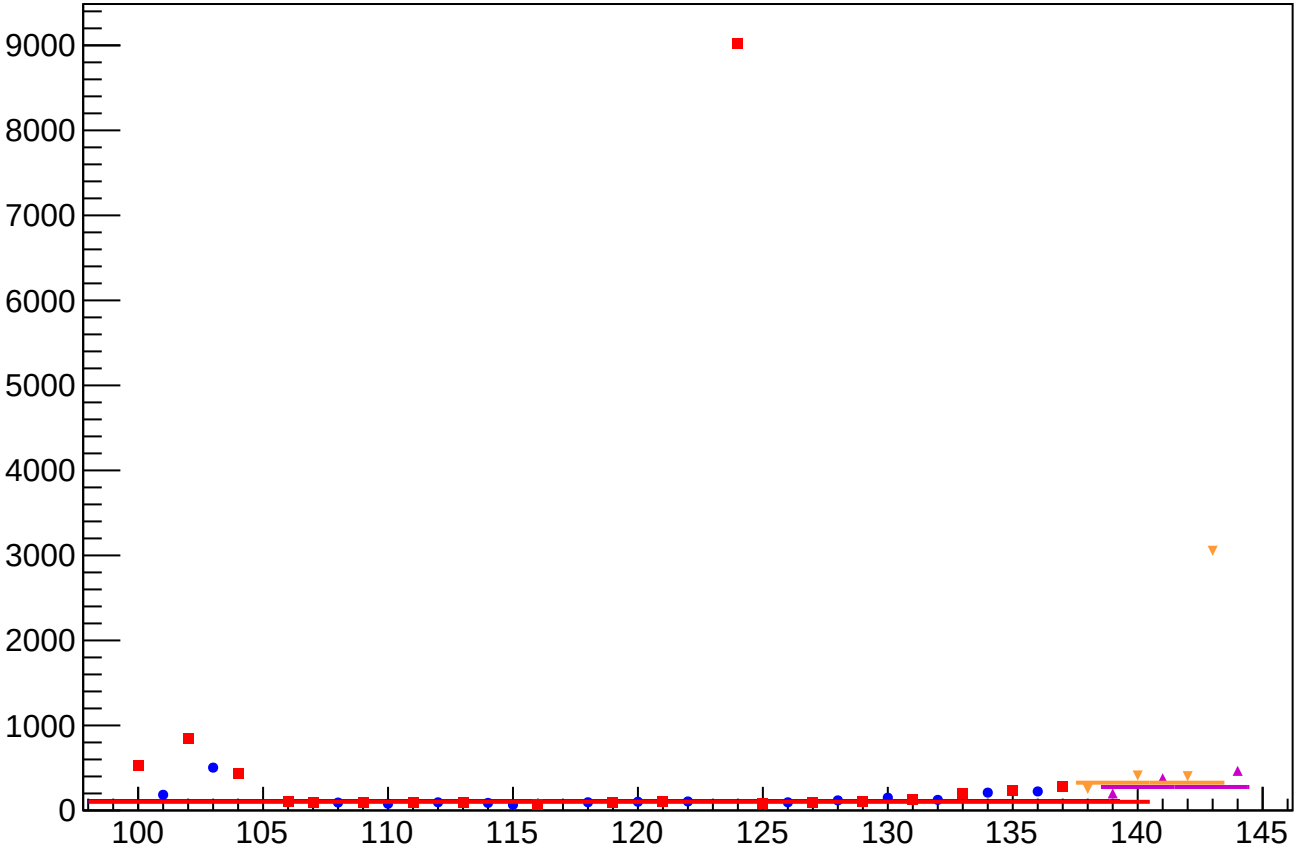
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.040+/-0.044 χ^2/NDF:18.2/18

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.012+/-0.031 χ^2/NDF: 46.5/41

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 326.802+/-0.161 χ^2/NDF:1527400.1/3

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.224+/-0.132 χ^2/NDF:639037.6/2

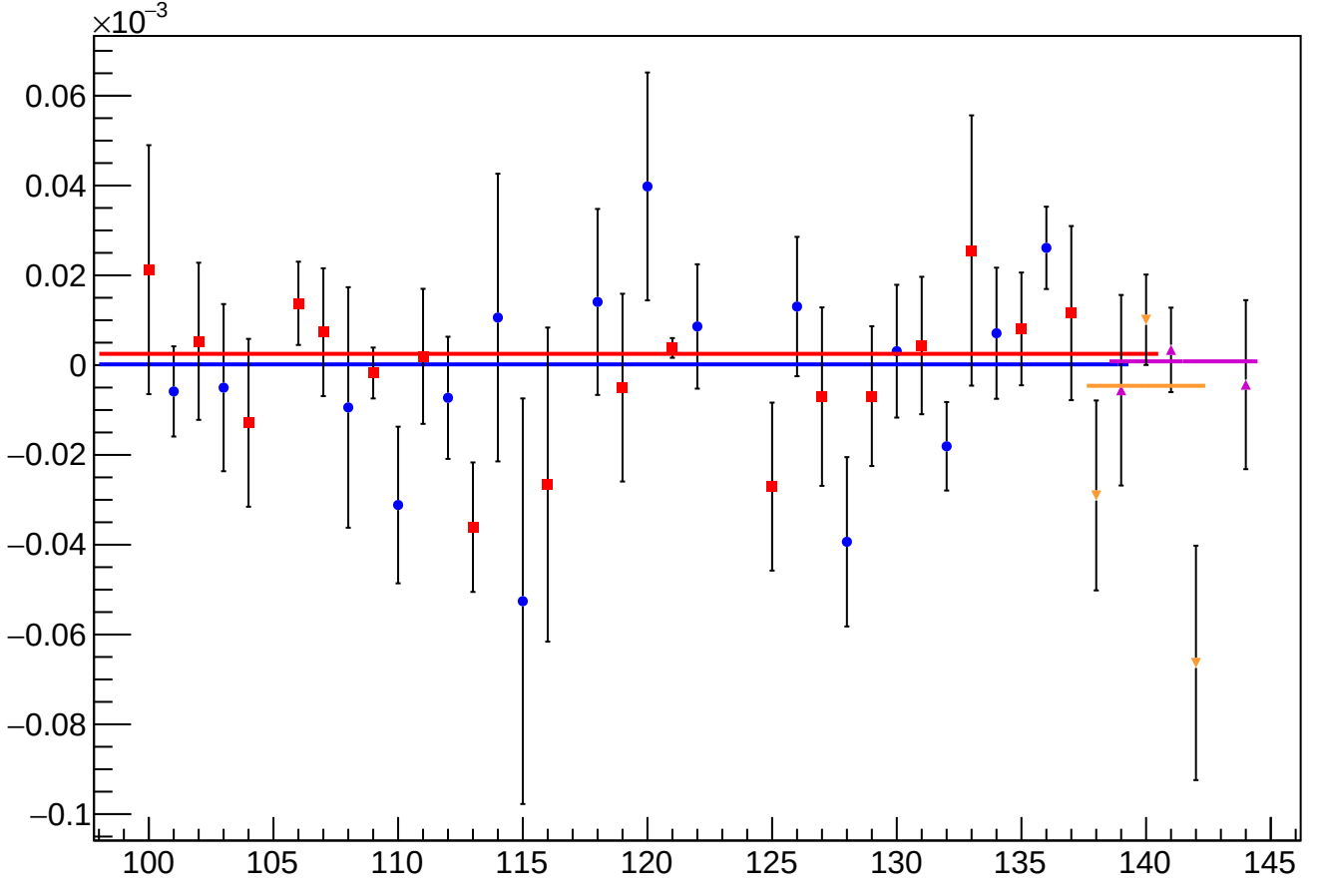
Left: 296.527+/-0.102 χ^2/NDF: 2225611.2/6

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 119.269+/-0.031 χ^2/NDF:4073152.2/18

Out: 109.741+/-0.030 χ^2/NDF:6004109.4/22

All: 114.350+/-0.022 χ^2/NDF: 10125635.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

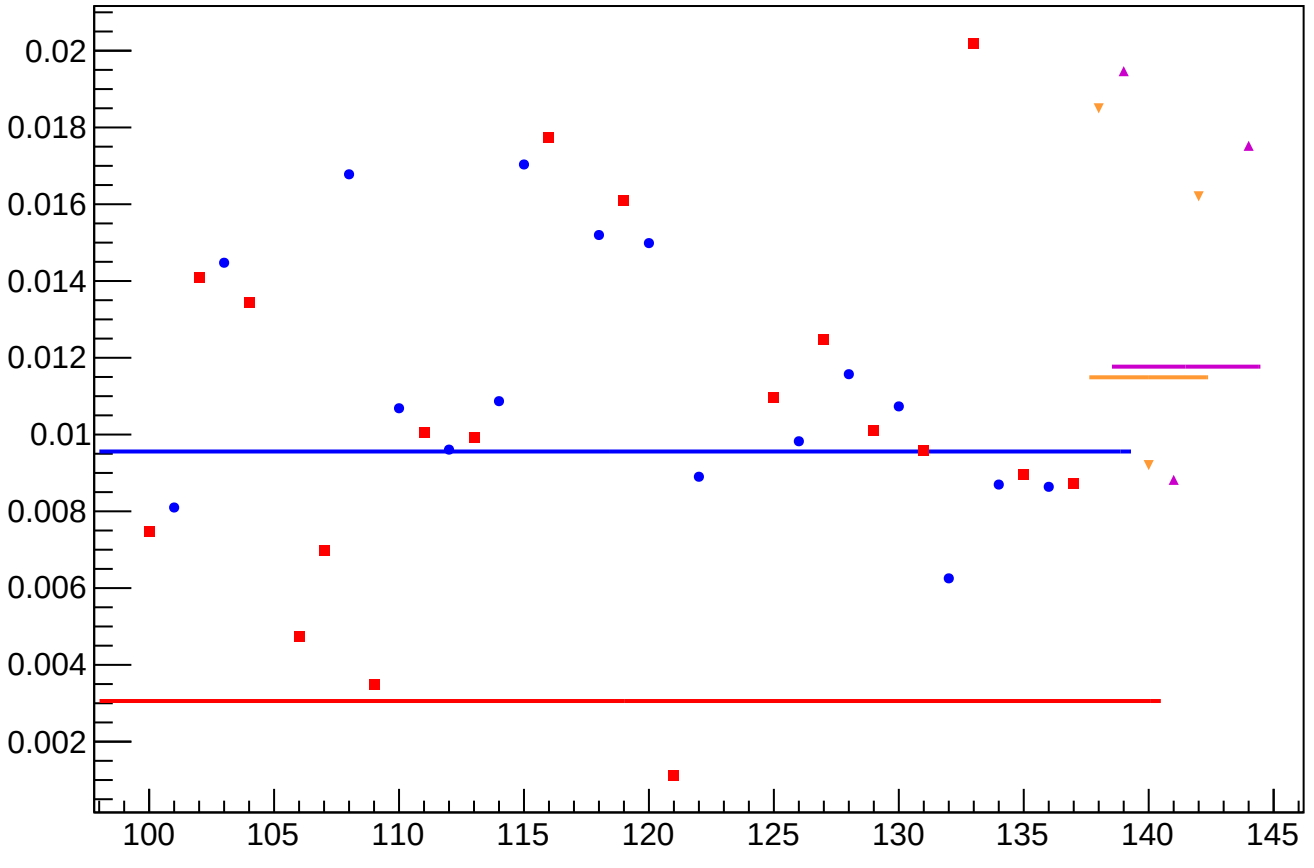
Left: -0.000+/-0.000 χ^2/NDF: 9.5/5

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:25.8/18

Out: 0.000+/-0.000 χ^2/NDF:25.5/20

All: 0.000+/-0.000 χ^2/NDF: 51.6/39



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:388084.1/2

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.012+/-0.000 χ^2/NDF:646724.8/2

Left: 0.012+/-0.000 χ^2/NDF: 1035950.8/5

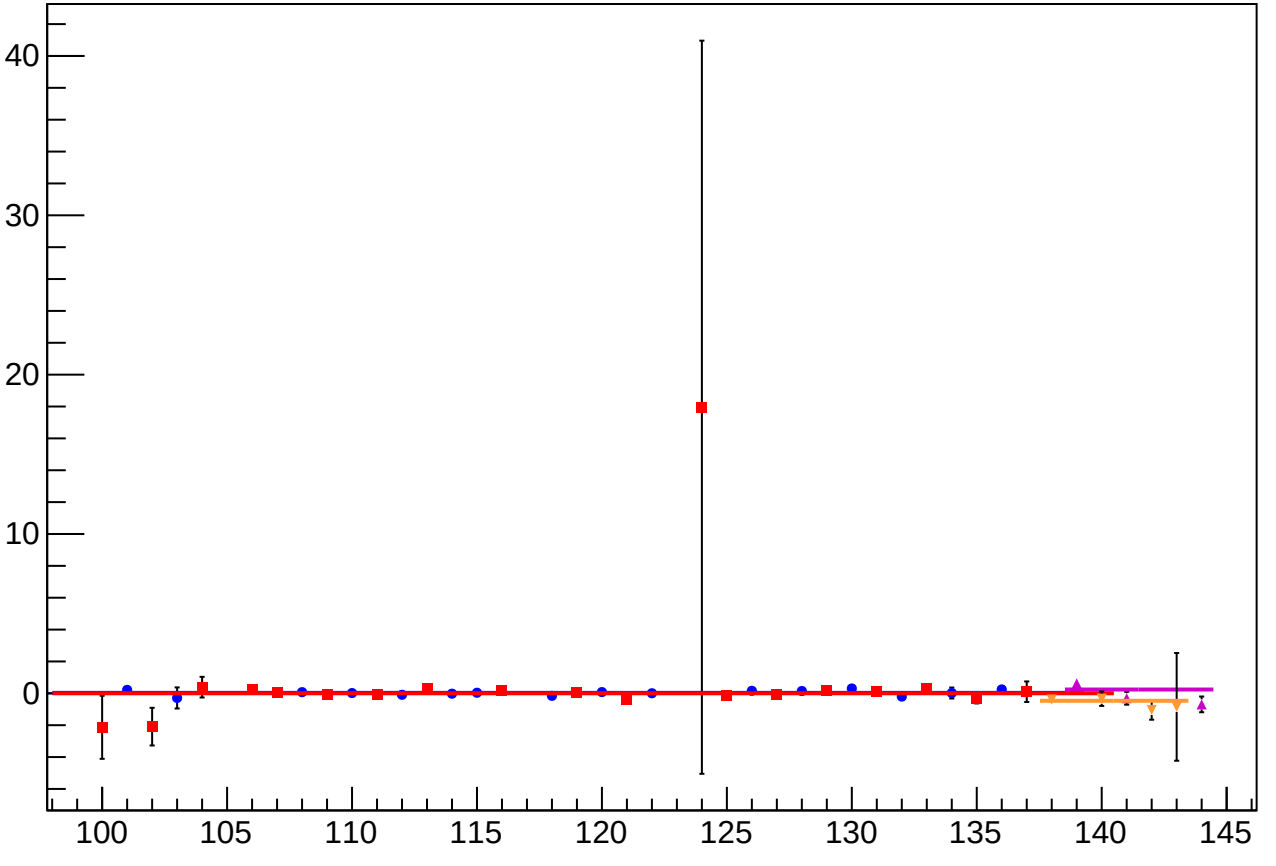
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.010+/-0.000 χ^2/NDF:1702903.9/18

Out: 0.003+/-0.000 χ^2/NDF:10357382.1/20

All: 0.005+/-0.000 χ^2/NDF: 17952369.4/39

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.238+/-0.186 χ^2/NDF:8.1/2

Left: -0.045+/-0.144 χ^2/NDF: 15.0/6

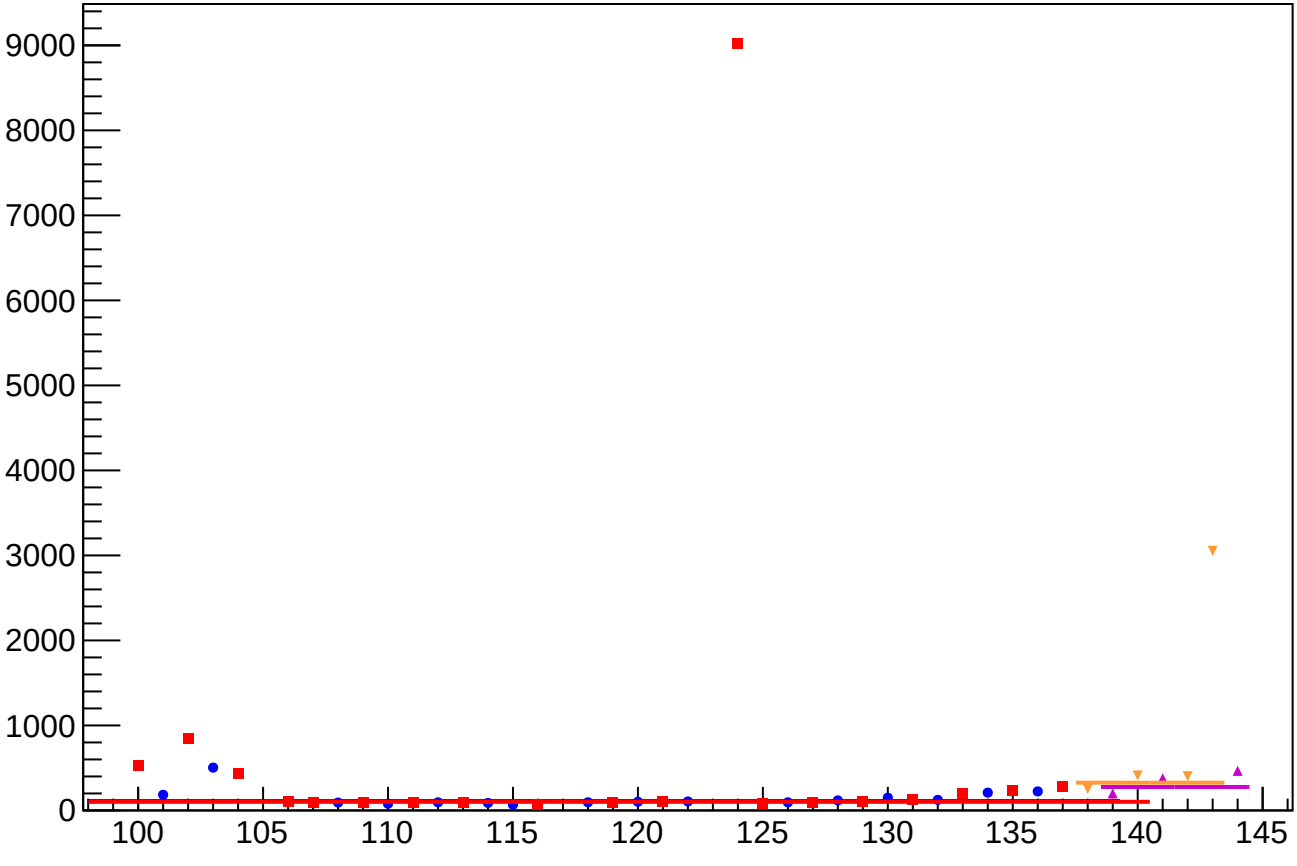
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.040+/-0.044 χ^2/NDF:18.2/18

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.012+/-0.031 χ^2/NDF: 46.5/41

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 326.806+/-0.161 χ^2/NDF:1527403.6/3

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.232+/-0.132 χ^2/NDF:639012.8/2

Left: 296.533+/-0.102 χ^2/NDF: 2225580.1/6

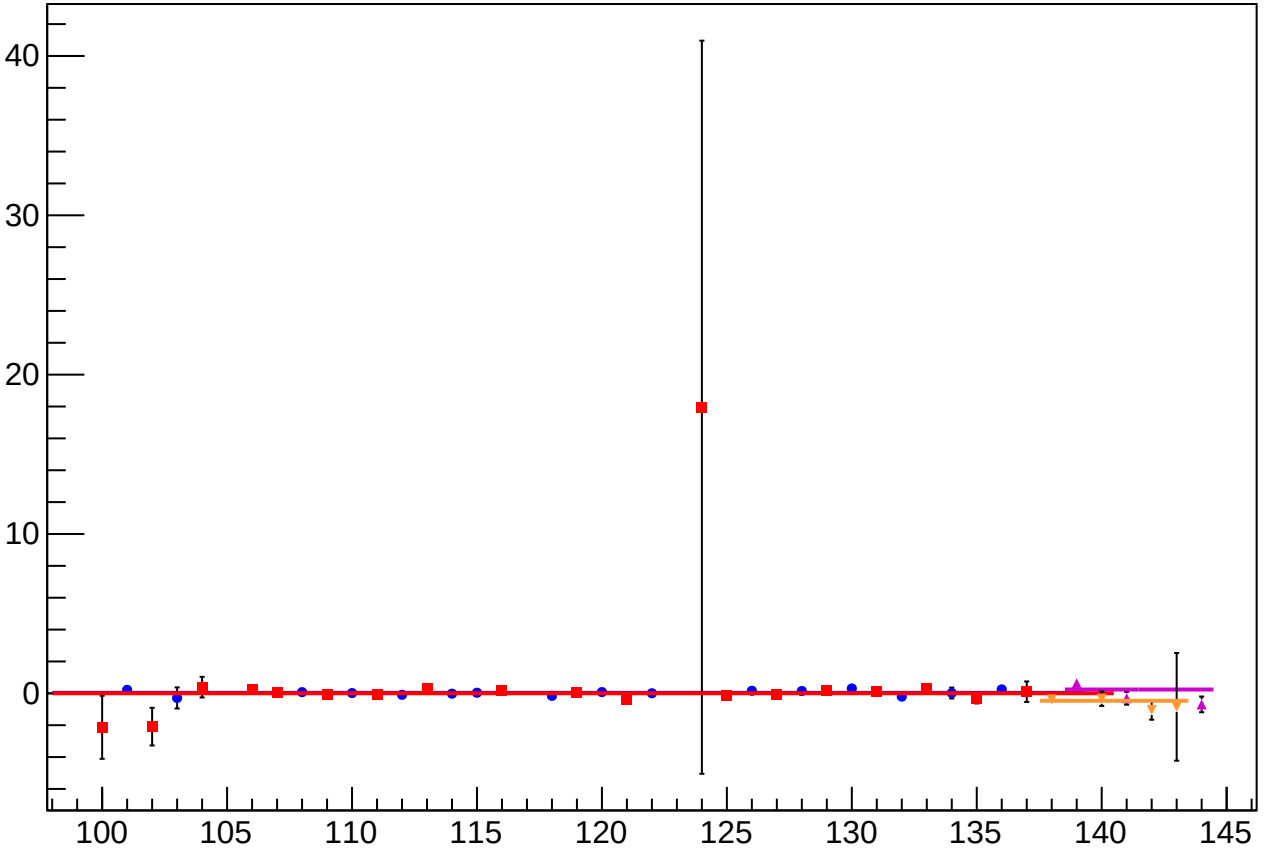
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 119.270+/-0.031 χ^2/NDF:4073109.6/18

Out: 109.743+/-0.030 χ^2/NDF:6004034.1/22

All: 114.351+/-0.022 χ^2/NDF: 10125513.3/41

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: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.238+/-0.186 χ^2/NDF:8.1/2

Left: -0.045+/-0.144 χ^2/NDF: 15.0/6

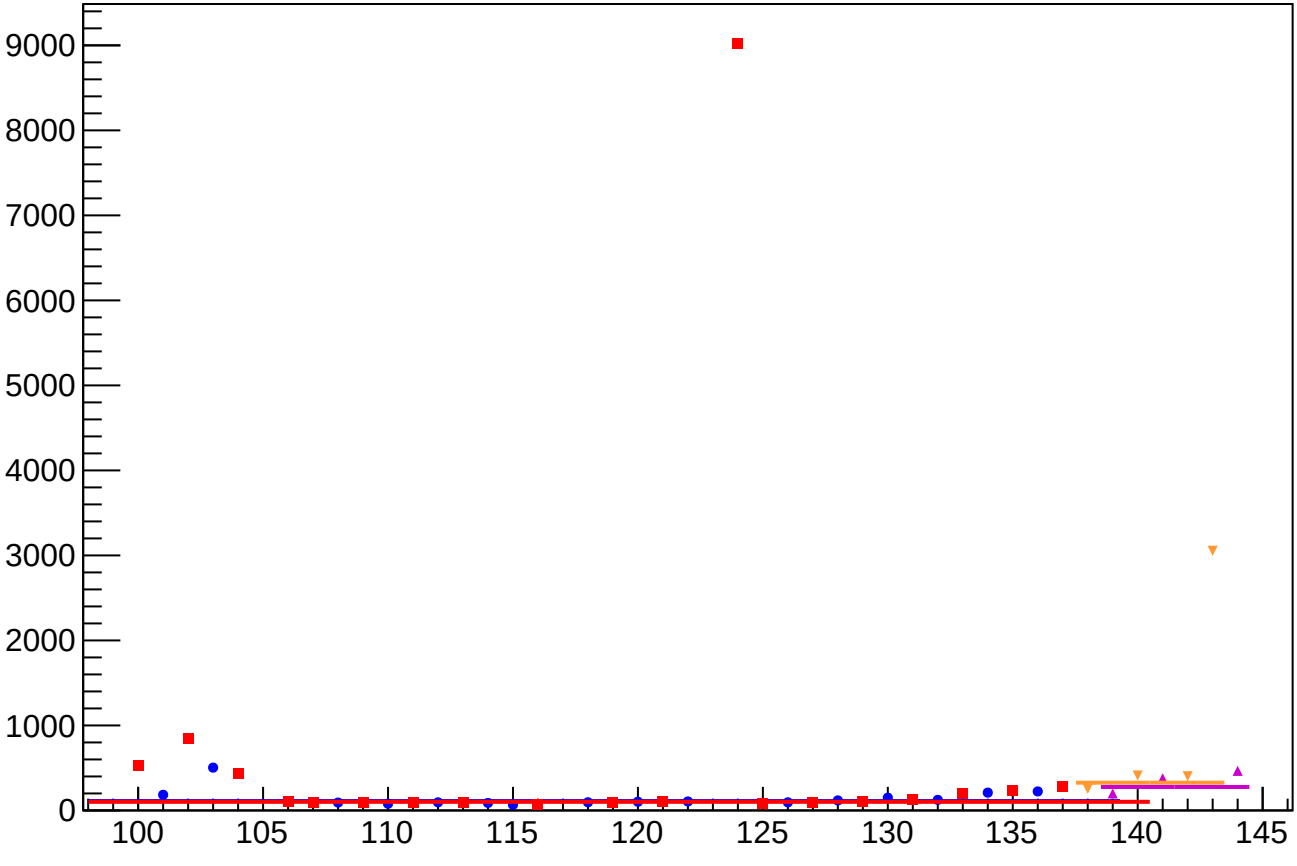
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.040+/-0.044 χ^2/NDF:18.2/18

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.012+/-0.031 χ^2/NDF: 46.5/41

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: 326.806+/-0.161 χ^2/NDF:1527403.6/3

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.232+/-0.132 χ^2/NDF:639012.8/2

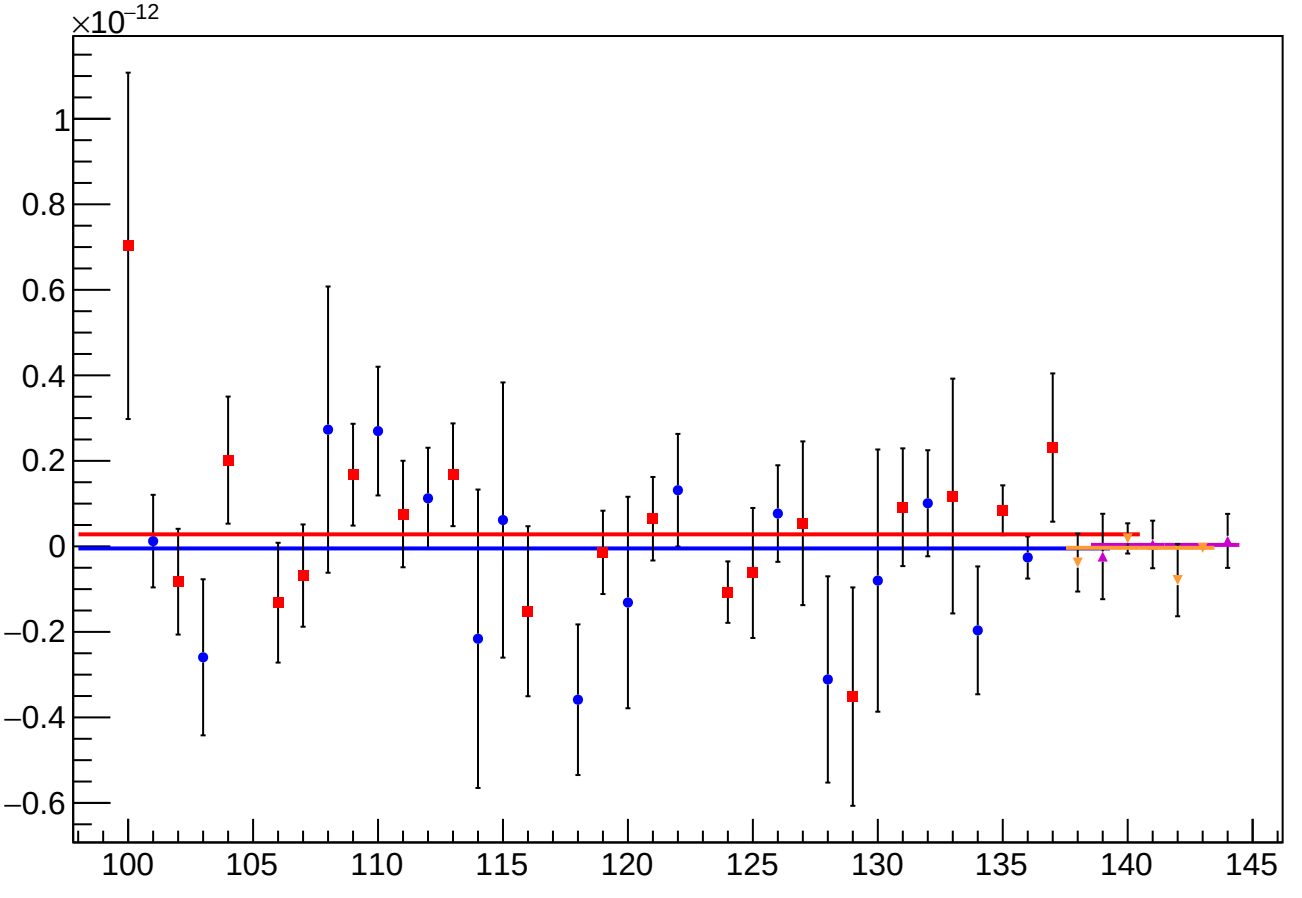
Left: 296.533+/-0.102 χ^2/NDF: 2225580.1/6

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 119.270+/-0.031 χ^2/NDF:4073109.6/18

Out: 109.743+/-0.030 χ^2/NDF:6004034.1/22

All: 114.351+/-0.022 χ^2/NDF: 10125513.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

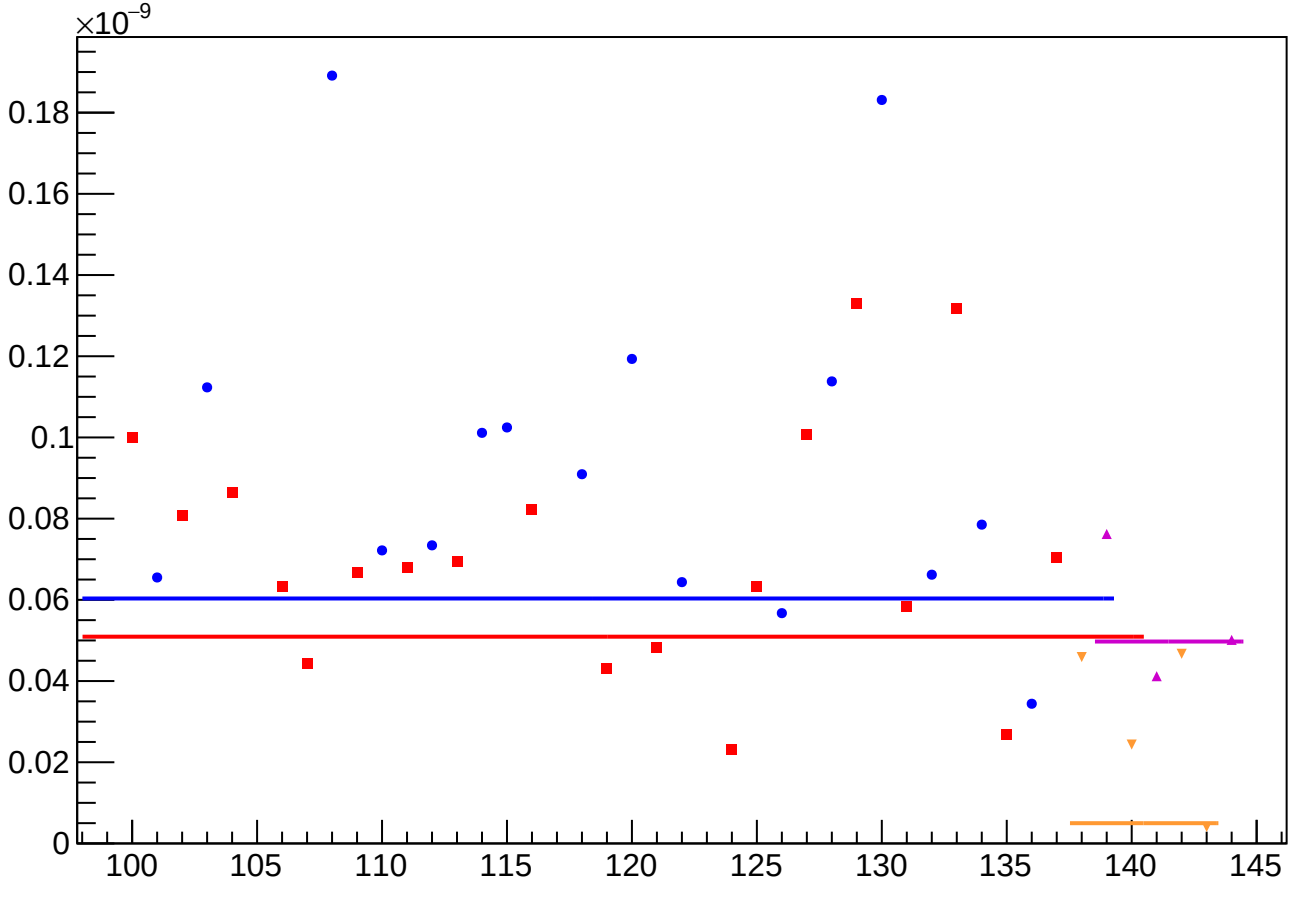
Left: -0.000+/-0.000 χ^2/NDF: 1.6/6

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:17.6/18

Out: -0.000+/-0.000 χ^2/NDF:22.4/22

All: -0.000+/-0.000 χ^2/NDF: 40.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1874077.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:187985.1/2

Left: 0.000+/-0.000 χ^2/NDF: 4706438.9/6

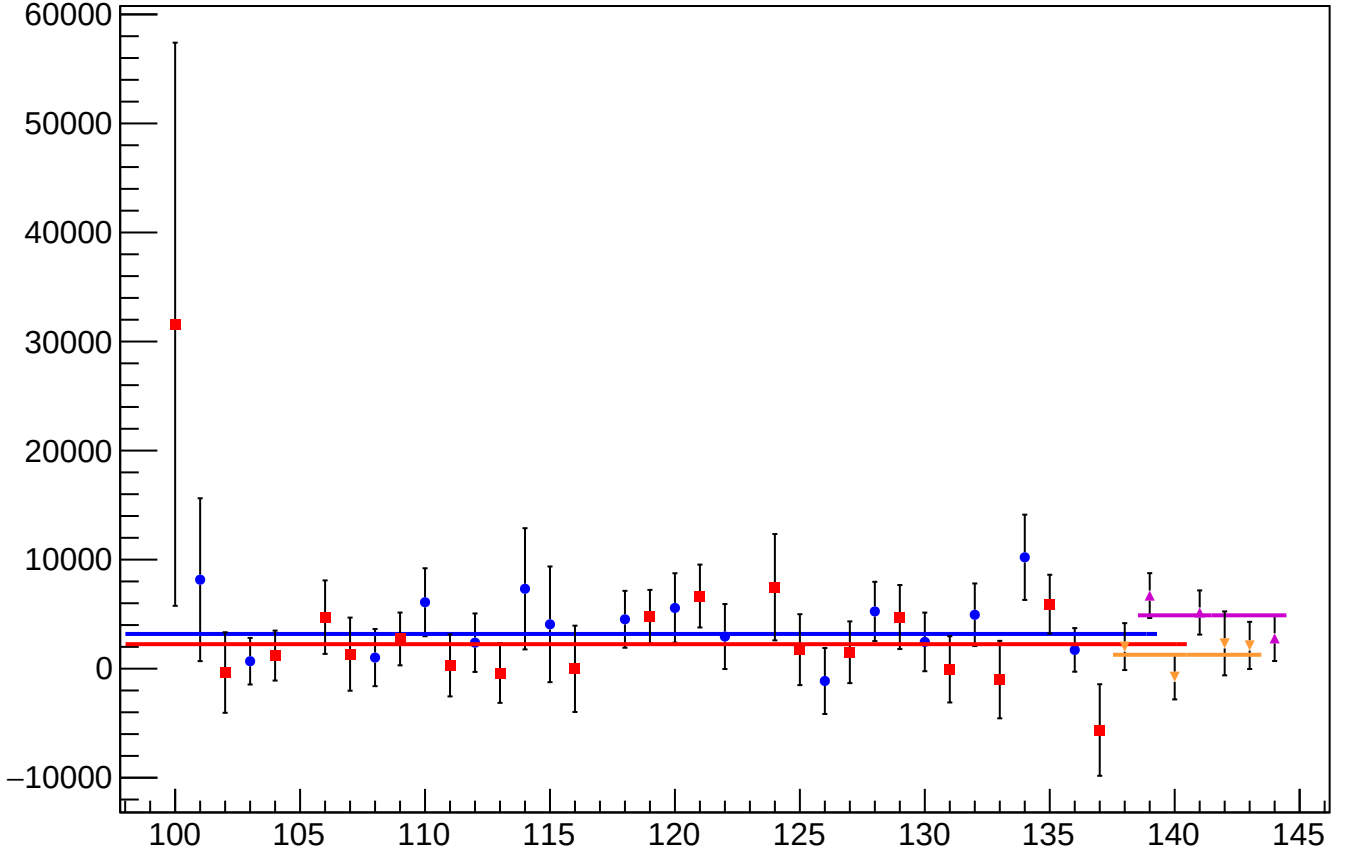
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2024339.8/18

Out: 0.000+/-0.000 χ^2/NDF:9019384.5/22

All: 0.000+/-0.000 χ^2/NDF: 18745565.9/41

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.499+/-1134.197 χ^2/NDF:1.3/3

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 4892.790+/-1185.340 χ^2/NDF:1.8/2

Left: 3004.426+/-819.482 χ^2/NDF: 8.0/6

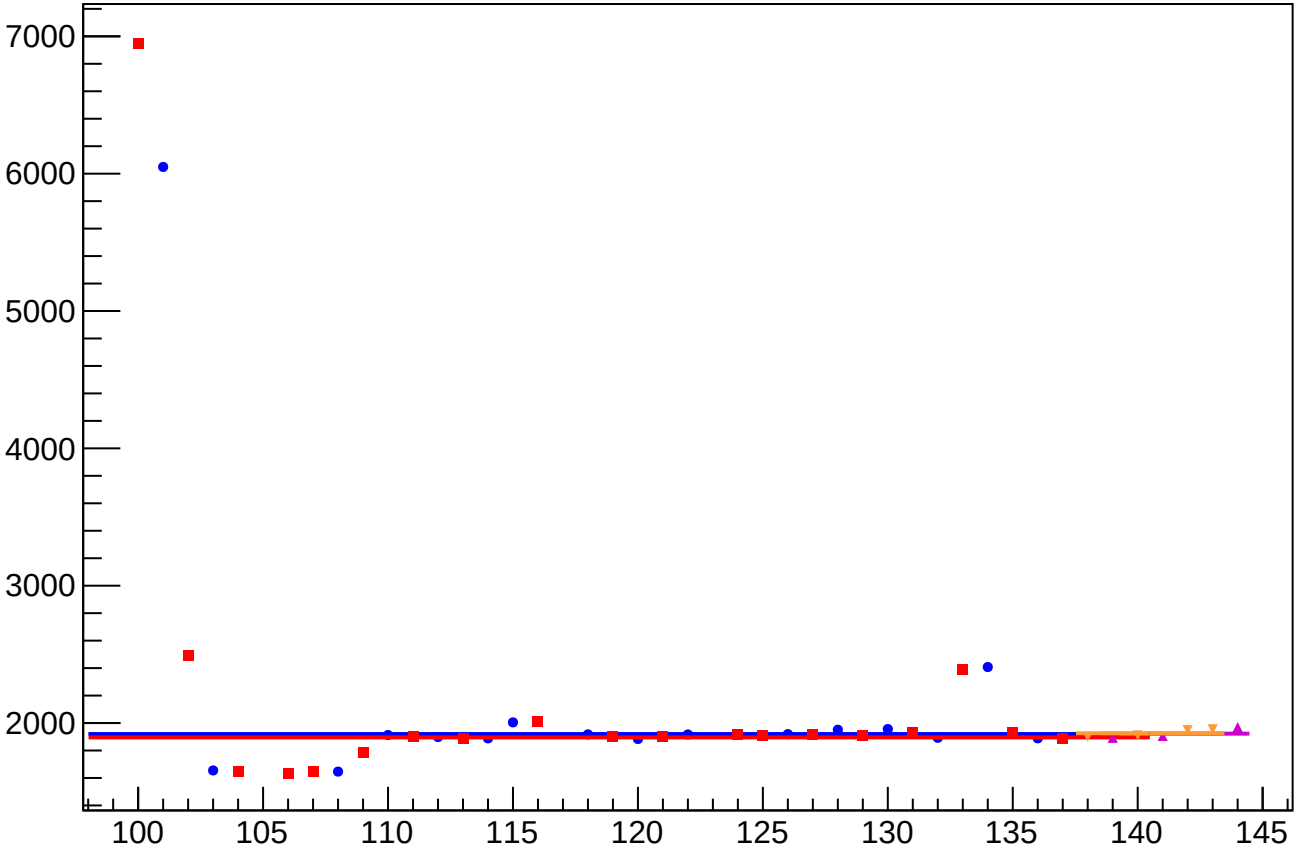
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3654.734+/-622.278 χ^2/NDF:15.0/18

Out: 1972.301+/-602.365 χ^2/NDF:18.4/22

All: 2786.167+/-432.805 χ^2/NDF: 37.2/41

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

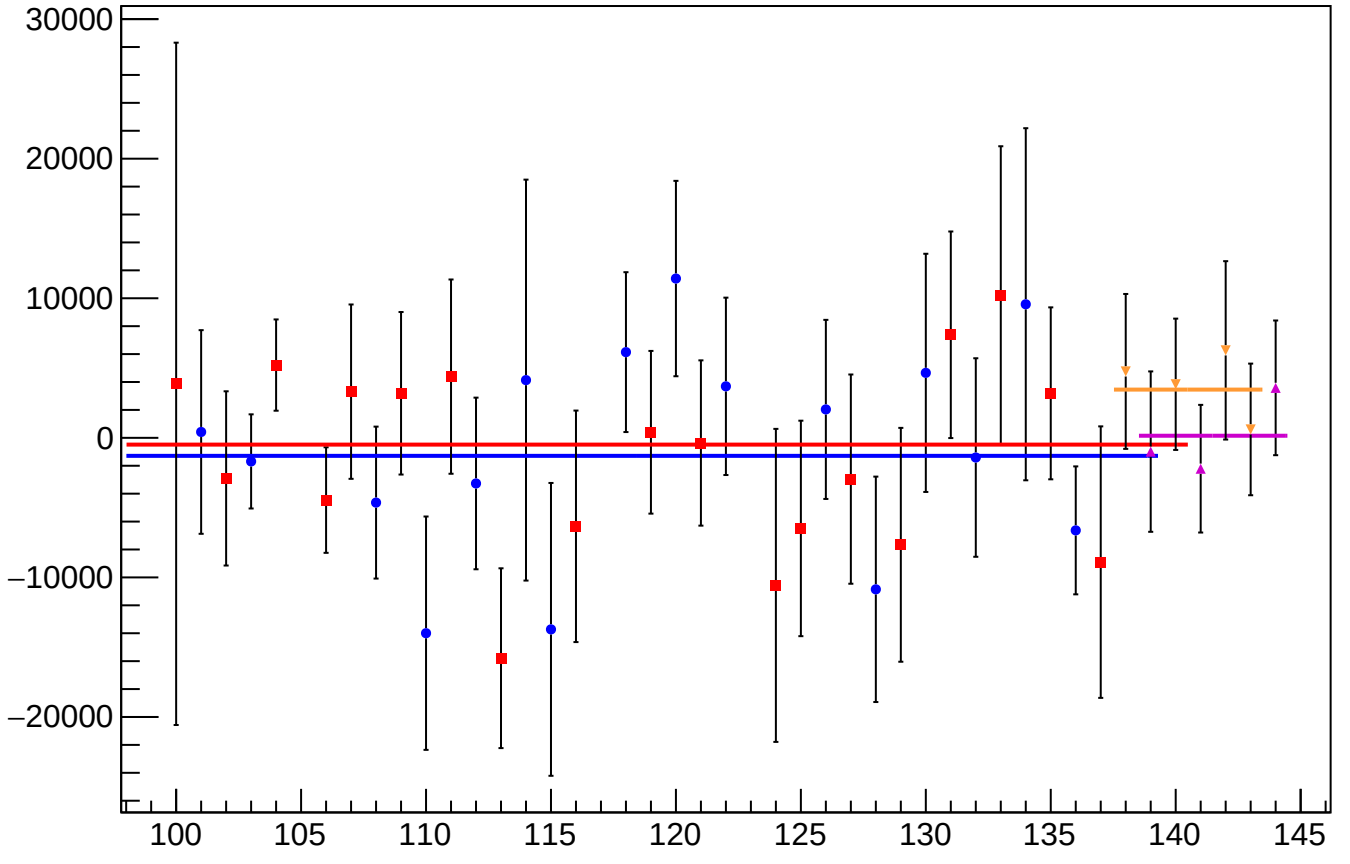
Left: 1923.916+/-0.579 χ^2/NDF: 2513.7/6

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1920.617+/-0.440 χ^2/NDF:698972.0/18

Out: 1903.690+/-0.425 χ^2/NDF:224136.3/22

All: 1911.857+/-0.306 χ^2/NDF: 923874.2/41



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3456.144+/-2607.030 χ^2/NDF:0.6/3

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 150.419+/-2874.138 χ^2/NDF:0.8/2

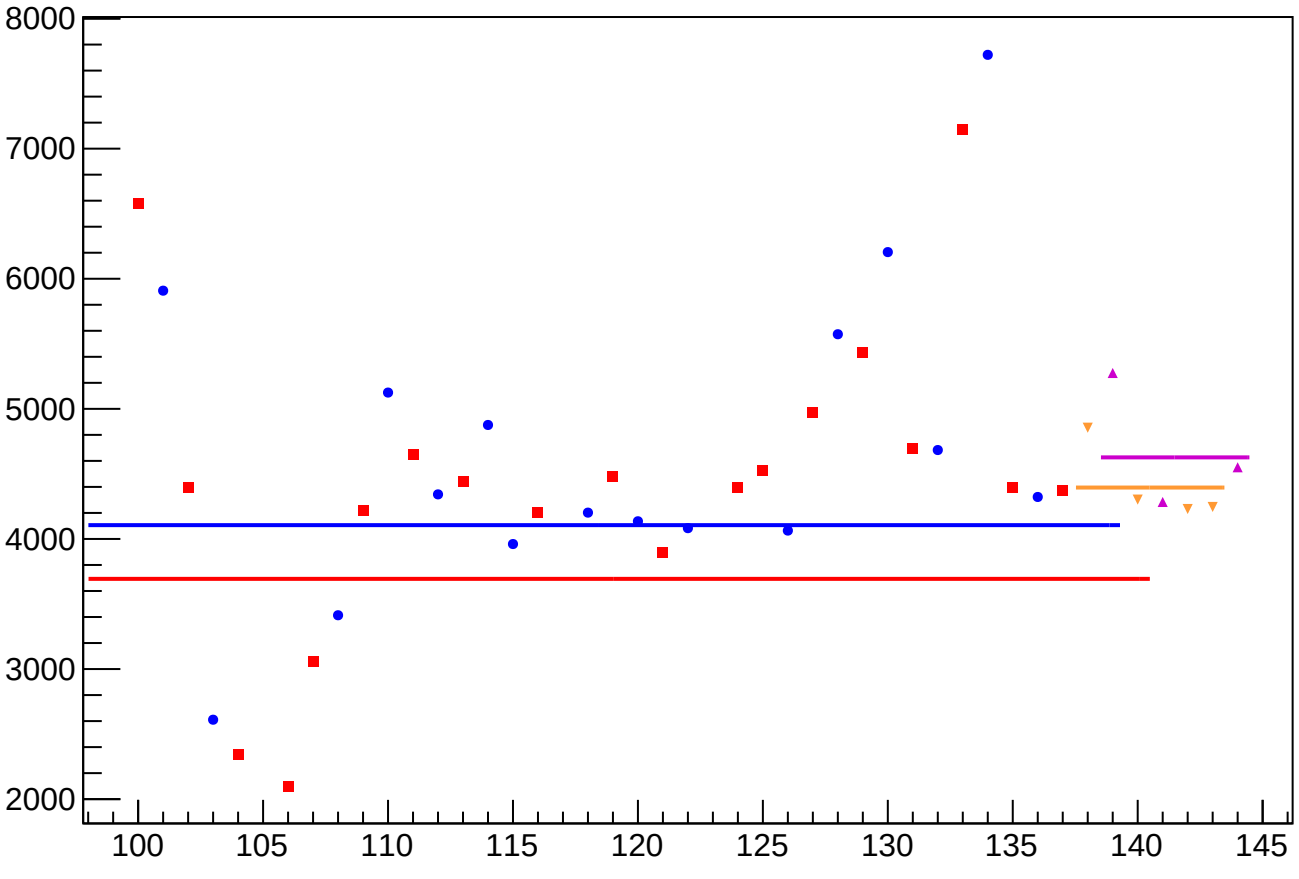
Left: 1963.994+/-1930.992 χ^2/NDF: 2.2/6

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -954.335+/-1388.230 χ^2/NDF:15.3/18

Out: 433.677+/-1258.795 χ^2/NDF:19.6/22

All: -192.619+/-932.513 χ^2/NDF: 35.4/41



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4395.100+/-1.843 χ^2/NDF:17854.2/3

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4626.989+/-2.032 χ^2/NDF:37212.6/2

Left: 4499.771+/-1.365 χ^2/NDF: 62209.2/6

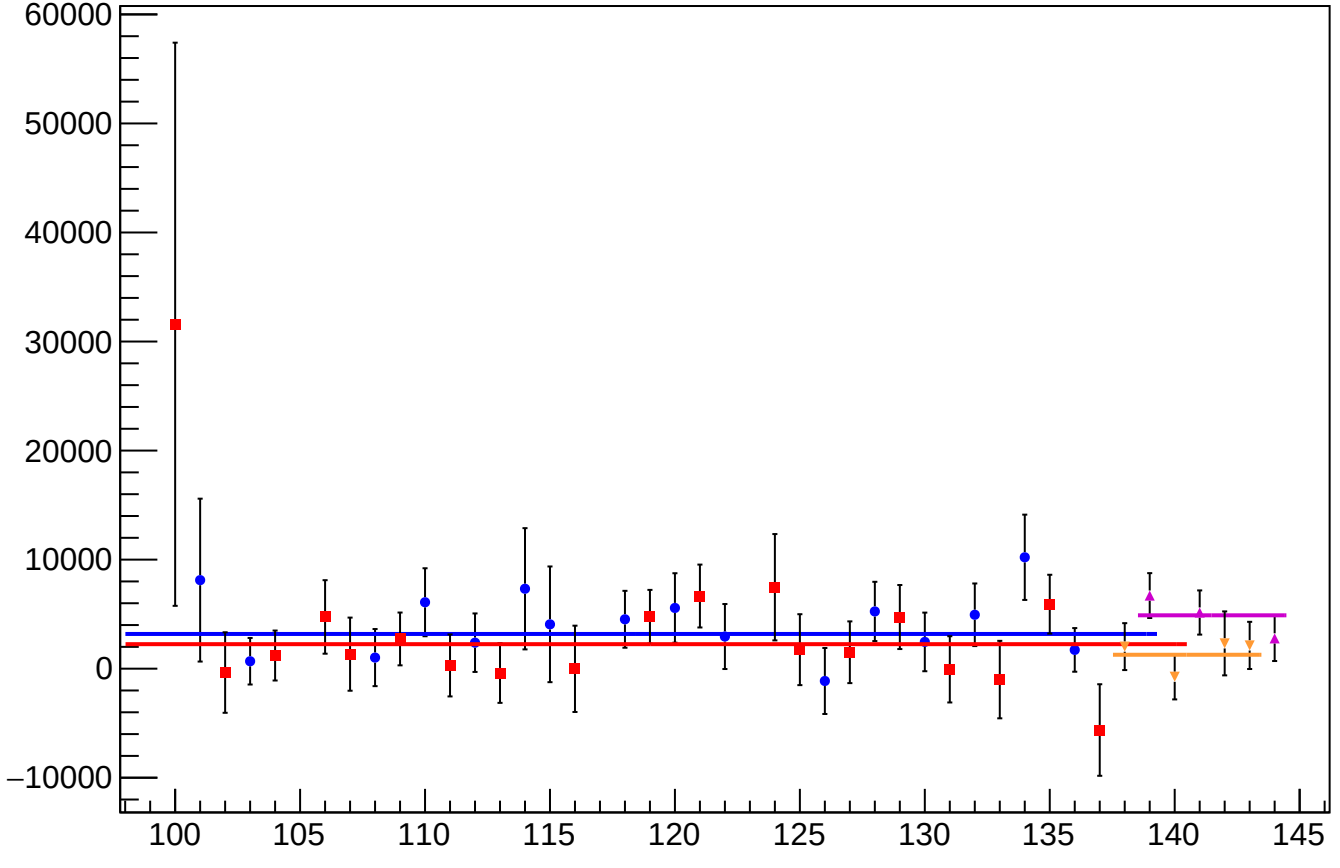
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4227.653+/-0.982 χ^2/NDF:1043700.4/18

Out: 3856.892+/-0.890 χ^2/NDF:1485650.6/22

All: 4024.186+/-0.659 χ^2/NDF: 2607638.9/41

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 4893.139+/-1185.340 χ^2/NDF:1.8/2

Left: 3004.591+/-819.482 χ^2/NDF: 8.0/6

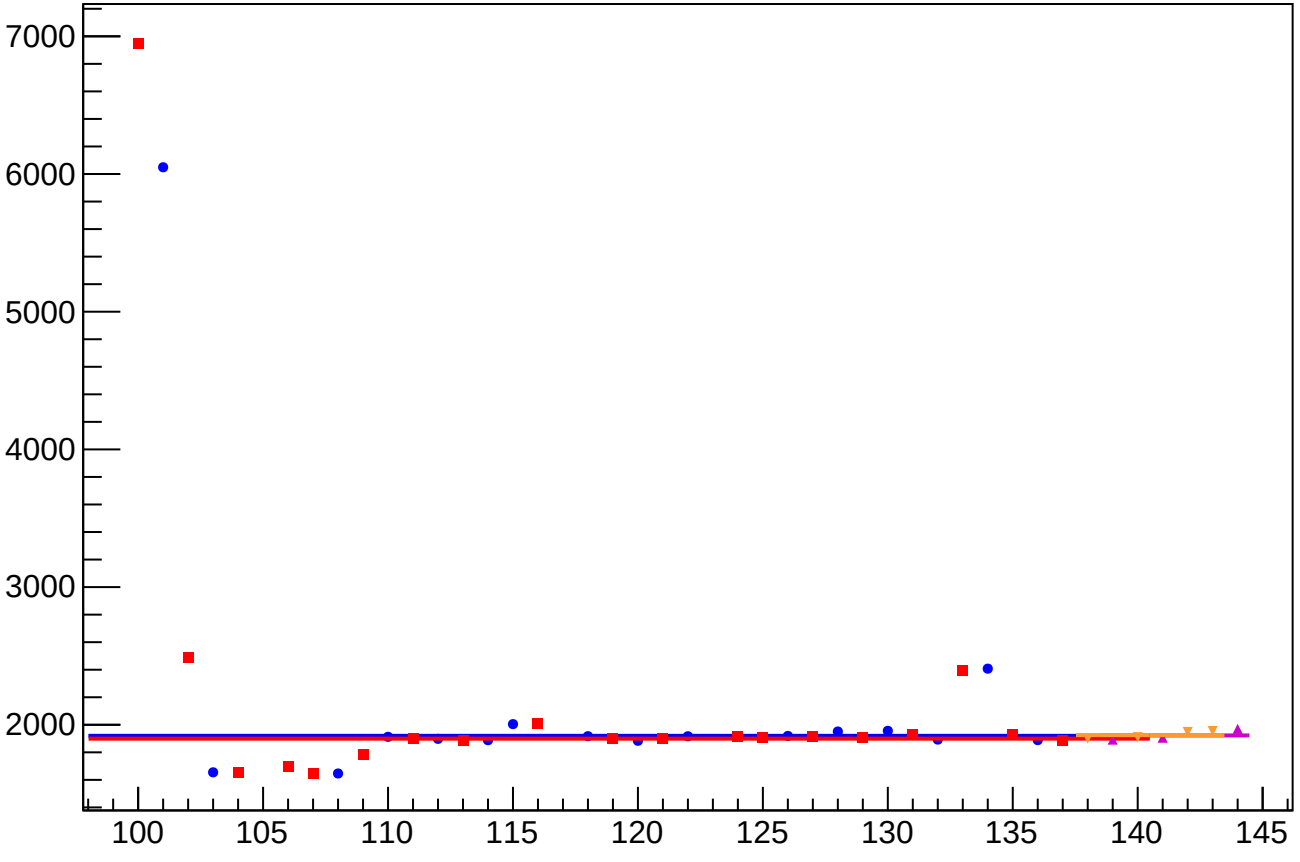
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3654.300+/-622.279 χ^2/NDF:15.0/18

Out: 1973.113+/-602.367 χ^2/NDF:18.4/22

All: 2786.380+/-432.806 χ^2/NDF: 37.2/41

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

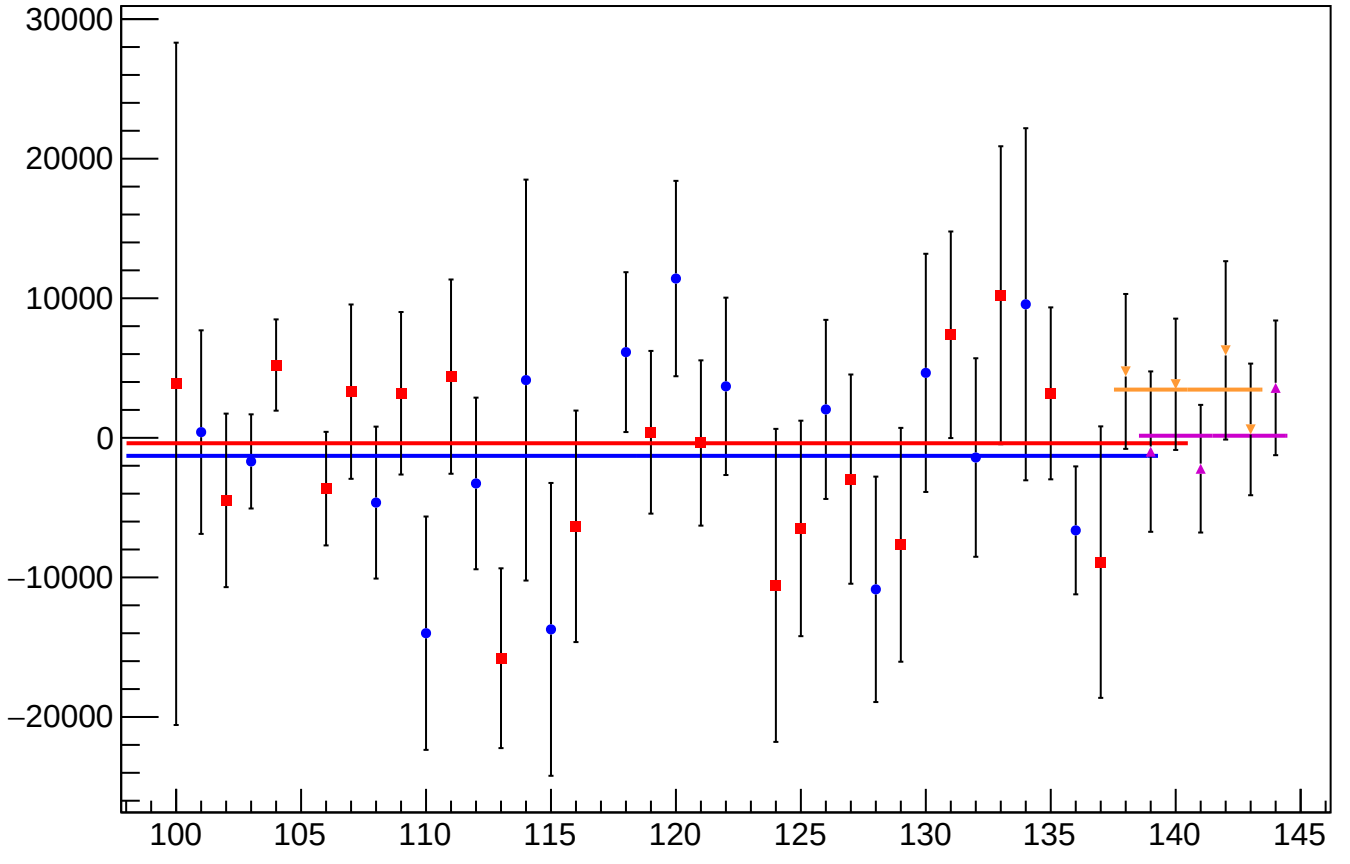
Left: 1923.916+/-0.579 χ^2/NDF: 2513.7/6

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1920.617+/-0.440 χ^2/NDF:698971.2/18

Out: 1906.588+/-0.425 χ^2/NDF:217267.9/22

All: 1913.367+/-0.306 χ^2/NDF: 916764.5/41



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 150.424+/-2874.139 χ^2/NDF:0.8/2

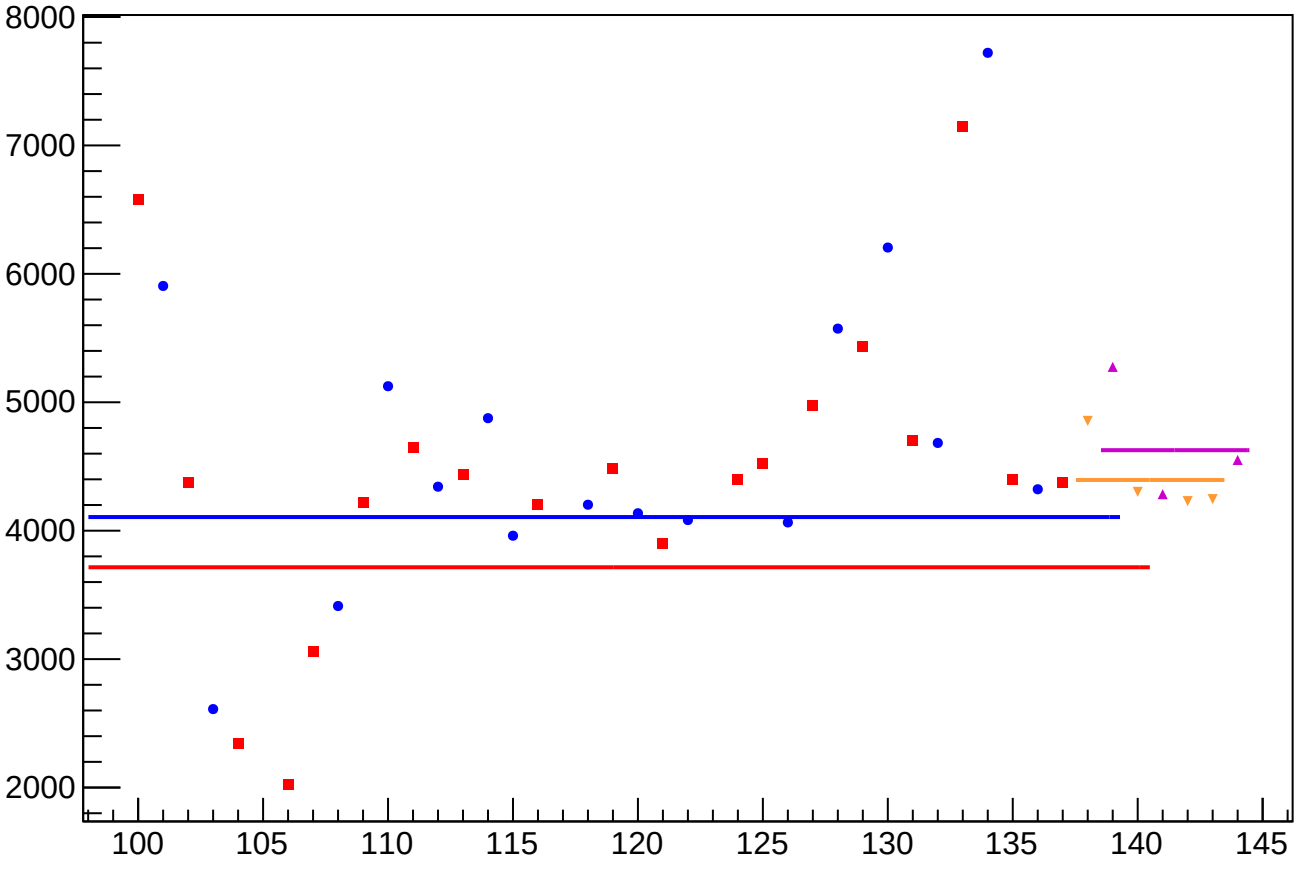
Left: 1963.994+/-1930.987 χ^2/NDF: 2.2/6

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -954.615+/-1388.232 χ^2/NDF:15.3/18

Out: 521.968+/-1268.207 χ^2/NDF:19.3/22

All: -149.743+/-936.320 χ^2/NDF: 35.2/41



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4626.989+/-2.032 χ^2/NDF:37214.1/2

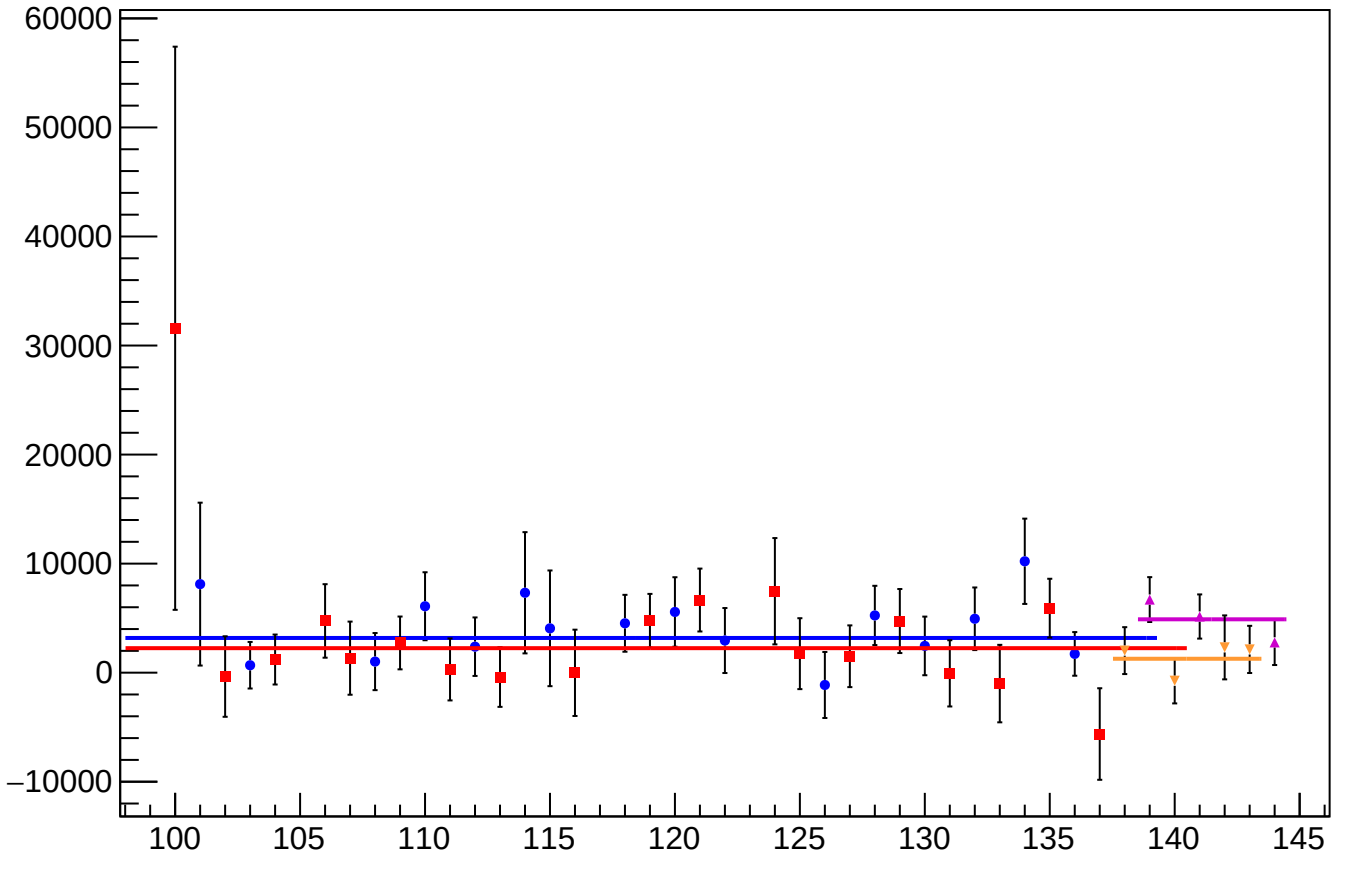
Left: 4499.757+/-1.365 χ^2/NDF: 62213.0/6

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4227.725+/-0.982 χ^2/NDF:1043184.8/18

Out: 3876.089+/-0.897 χ^2/NDF:1456786.6/22

All: 4036.051+/-0.662 χ^2/NDF: 2569916.8/41



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 4893.139+/-1185.340 χ^2/NDF:1.8/2

Left: 3004.591+/-819.482 χ^2/NDF: 8.0/6

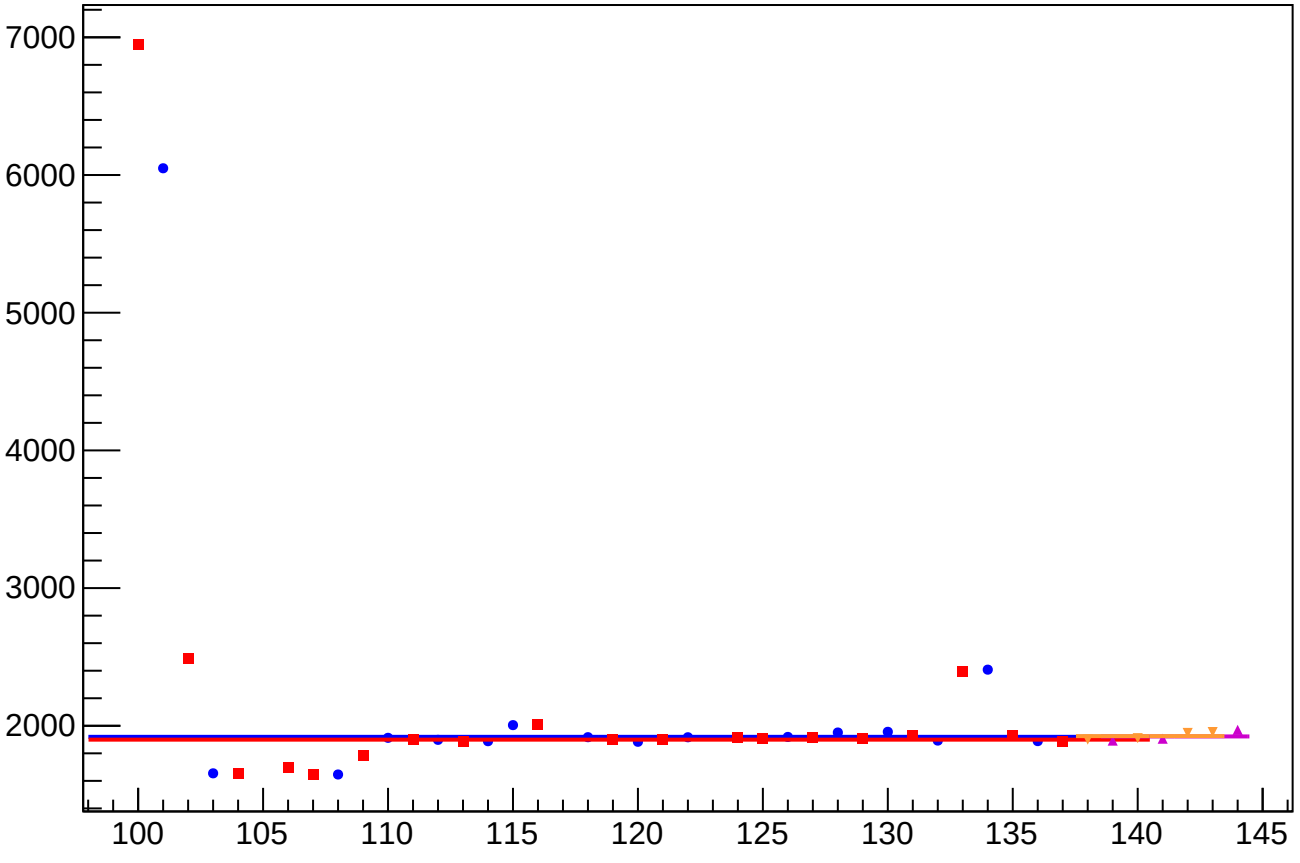
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3654.300+/-622.279 χ^2/NDF:15.0/18

Out: 1973.113+/-602.367 χ^2/NDF:18.4/22

All: 2786.380+/-432.806 χ^2/NDF: 37.2/41

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1922.692+/-0.838 χ^2/NDF:1632.1/2

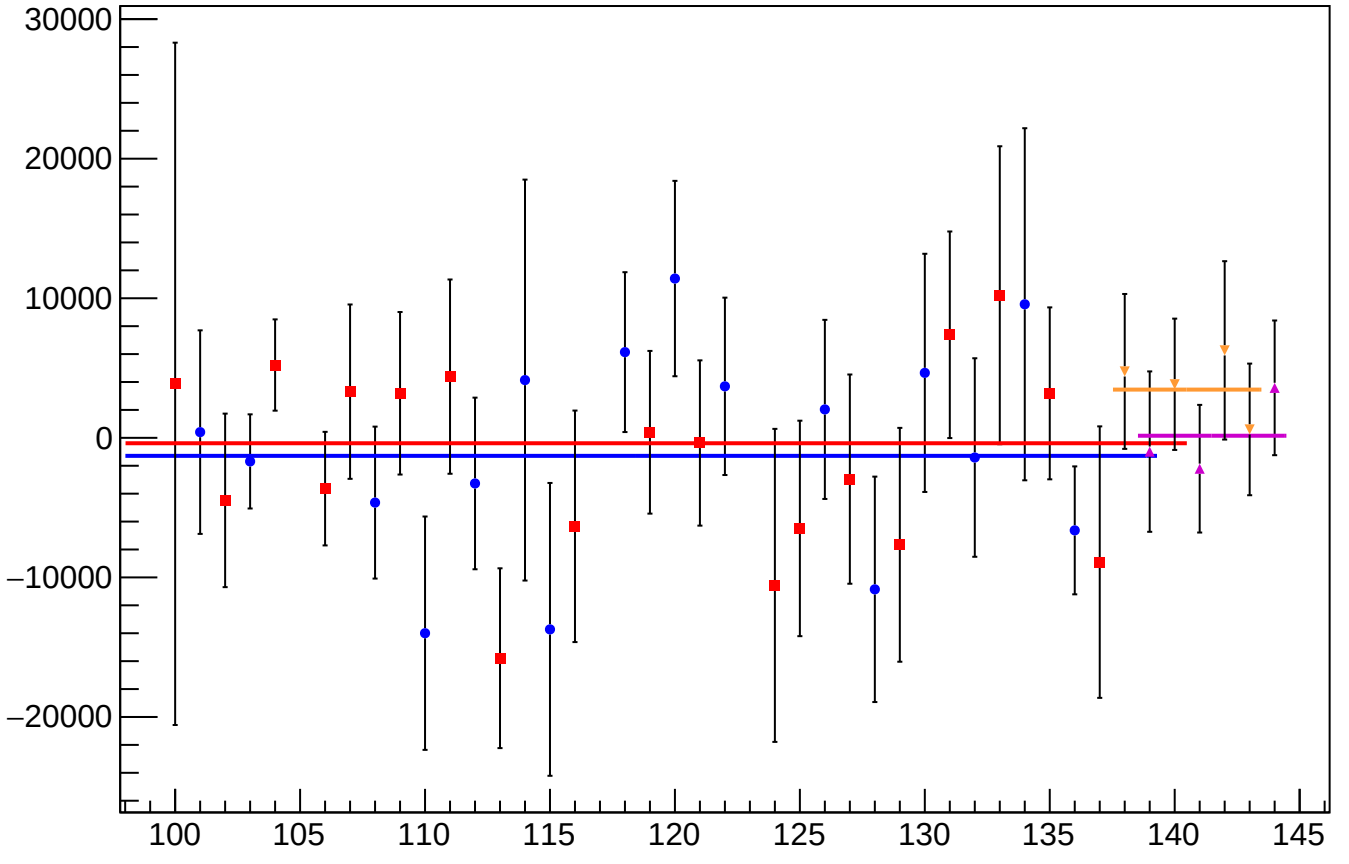
Left: 1923.916+/-0.579 χ^2/NDF: 2513.7/6

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1920.617+/-0.440 χ^2/NDF:698971.2/18

Out: 1906.588+/-0.425 χ^2/NDF:217267.9/22

All: 1913.367+/-0.306 χ^2/NDF: 916764.5/41



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 150.424+/-2874.139 χ^2/NDF:0.8/2

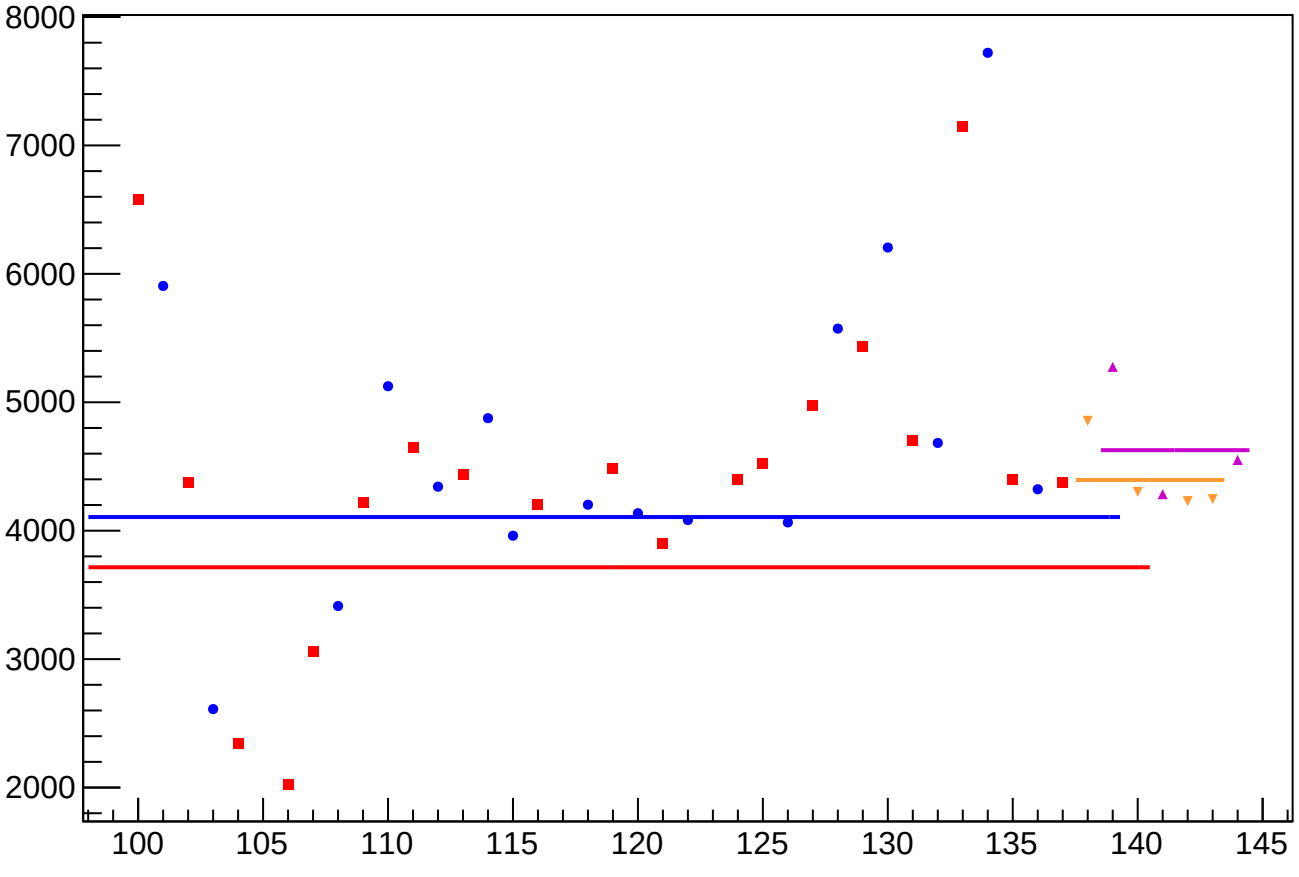
Left: 1963.994+/-1930.987 χ^2/NDF: 2.2/6

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -954.615+/-1388.232 χ^2/NDF:15.3/18

Out: 521.968+/-1268.207 χ^2/NDF:19.3/22

All: -149.743+/-936.320 χ^2/NDF: 35.2/41



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4626.989+/-2.032 χ^2/NDF:37214.1/2

Left: 4499.757+/-1.365 χ^2/NDF: 62213.0/6

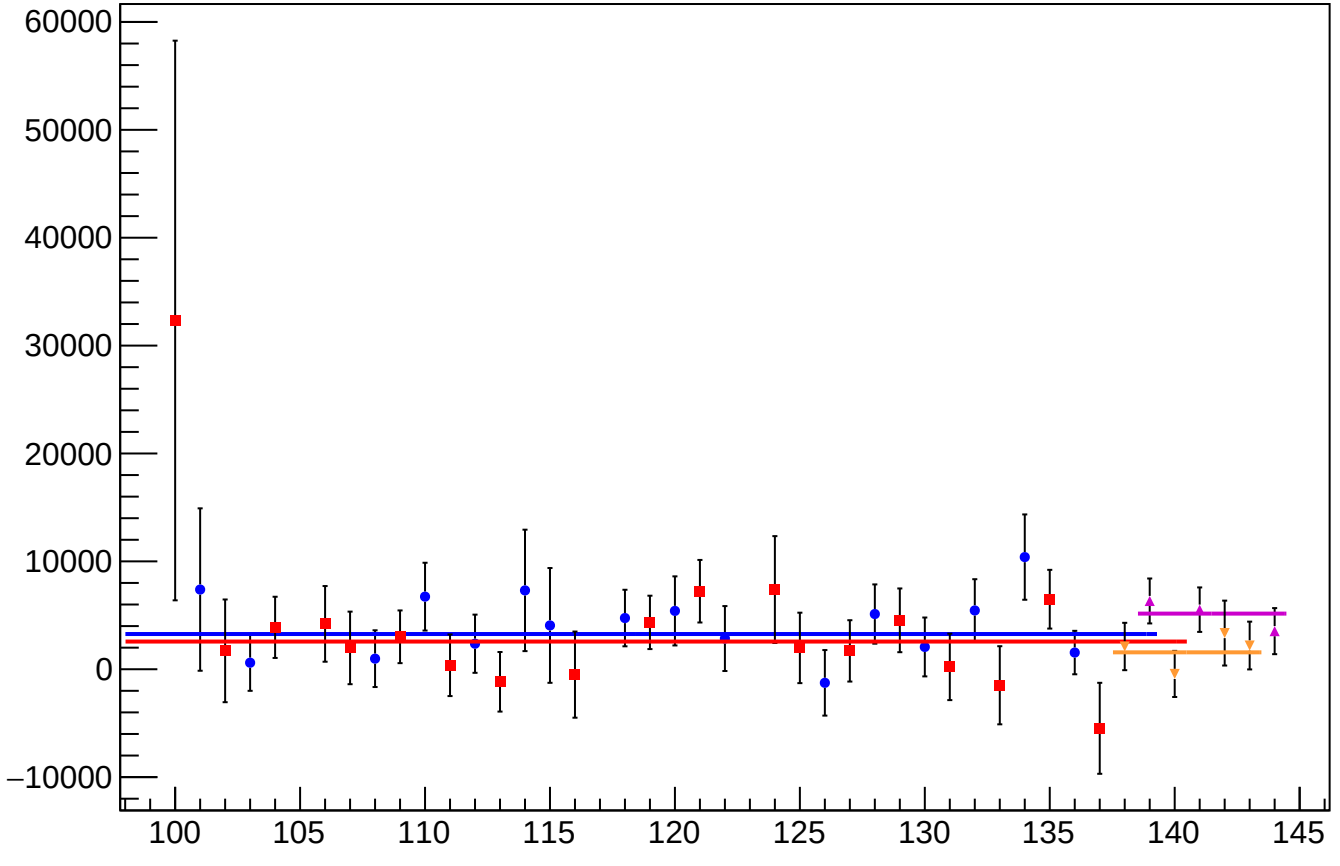
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4227.725+/-0.982 χ^2/NDF:1043184.8/18

Out: 3876.089+/-0.897 χ^2/NDF:1456786.6/22

All: 4036.051+/-0.662 χ^2/NDF: 2569916.8/41

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1566.892+/-1161.654 χ^2/NDF:1.4/3

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 5157.141+/-1207.956 χ^2/NDF:0.9/2

Left: 3291.891+/-837.304 χ^2/NDF: 6.9/6

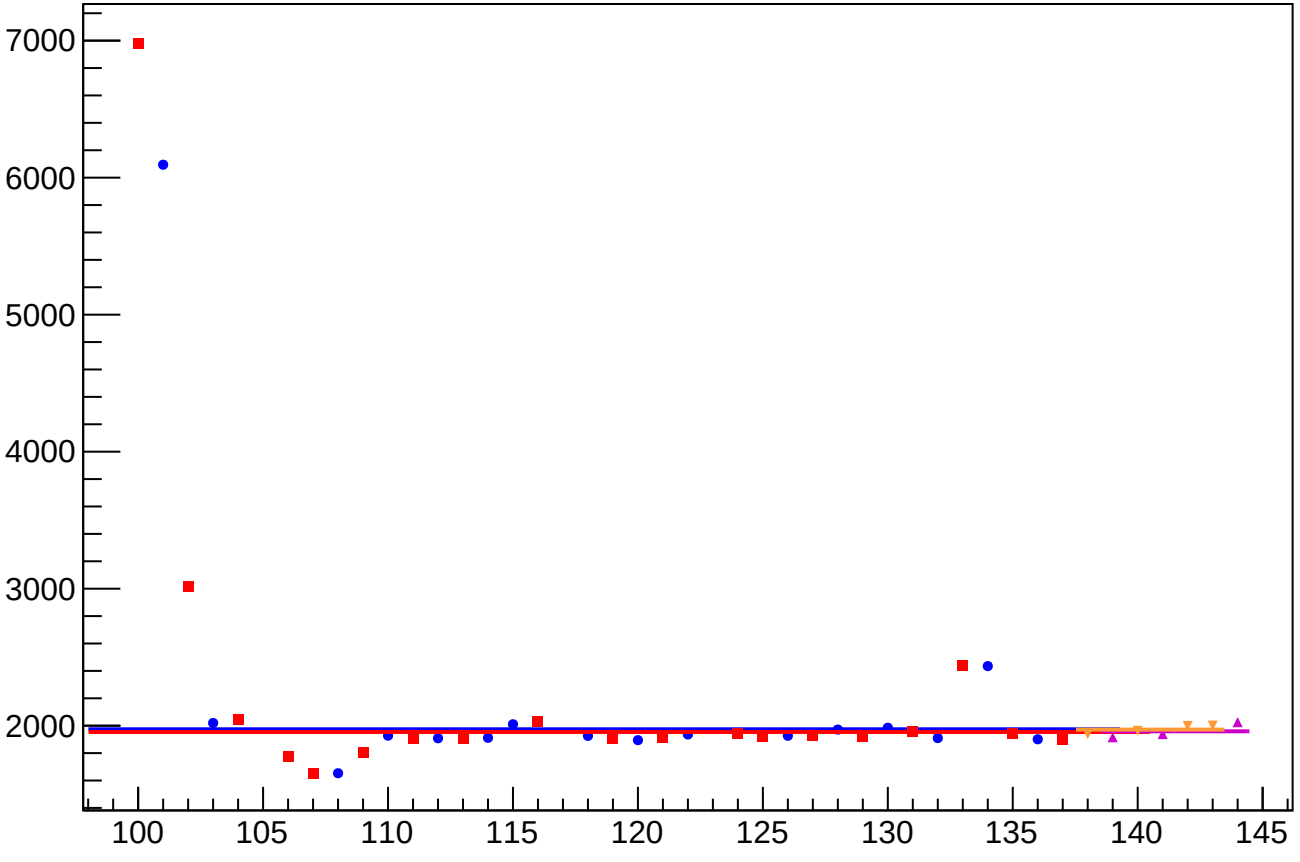
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3792.080+/-637.705 χ^2/NDF:14.9/18

Out: 2280.928+/-621.039 χ^2/NDF:18.9/22

All: 3016.500+/-444.916 χ^2/NDF: 36.7/41

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.533+/-0.821 χ^2/NDF:985.8/3

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1959.057+/-0.854 χ^2/NDF:3019.2/2

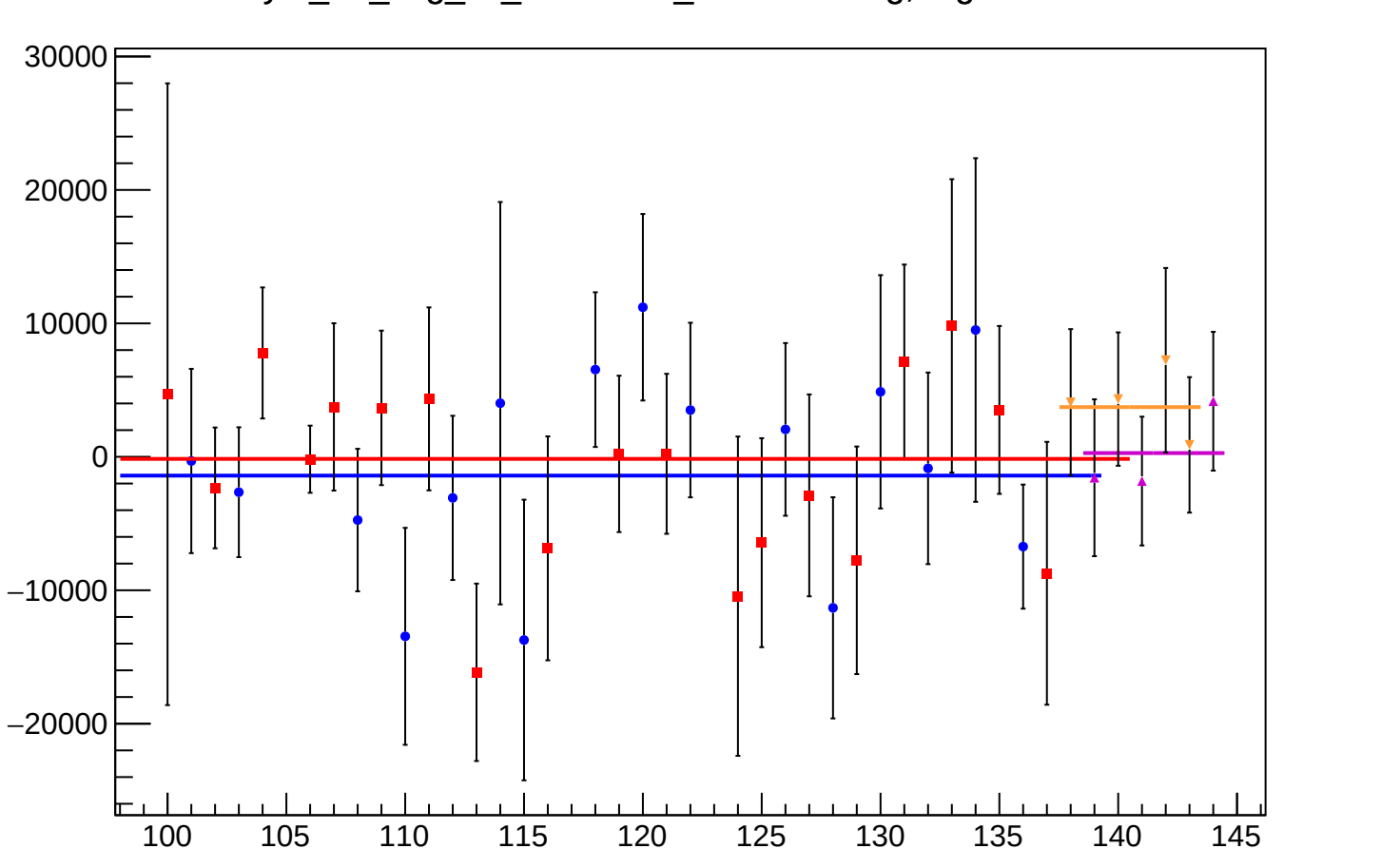
Left: 1965.539+/-0.592 χ^2/NDF: 4115.9/6

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

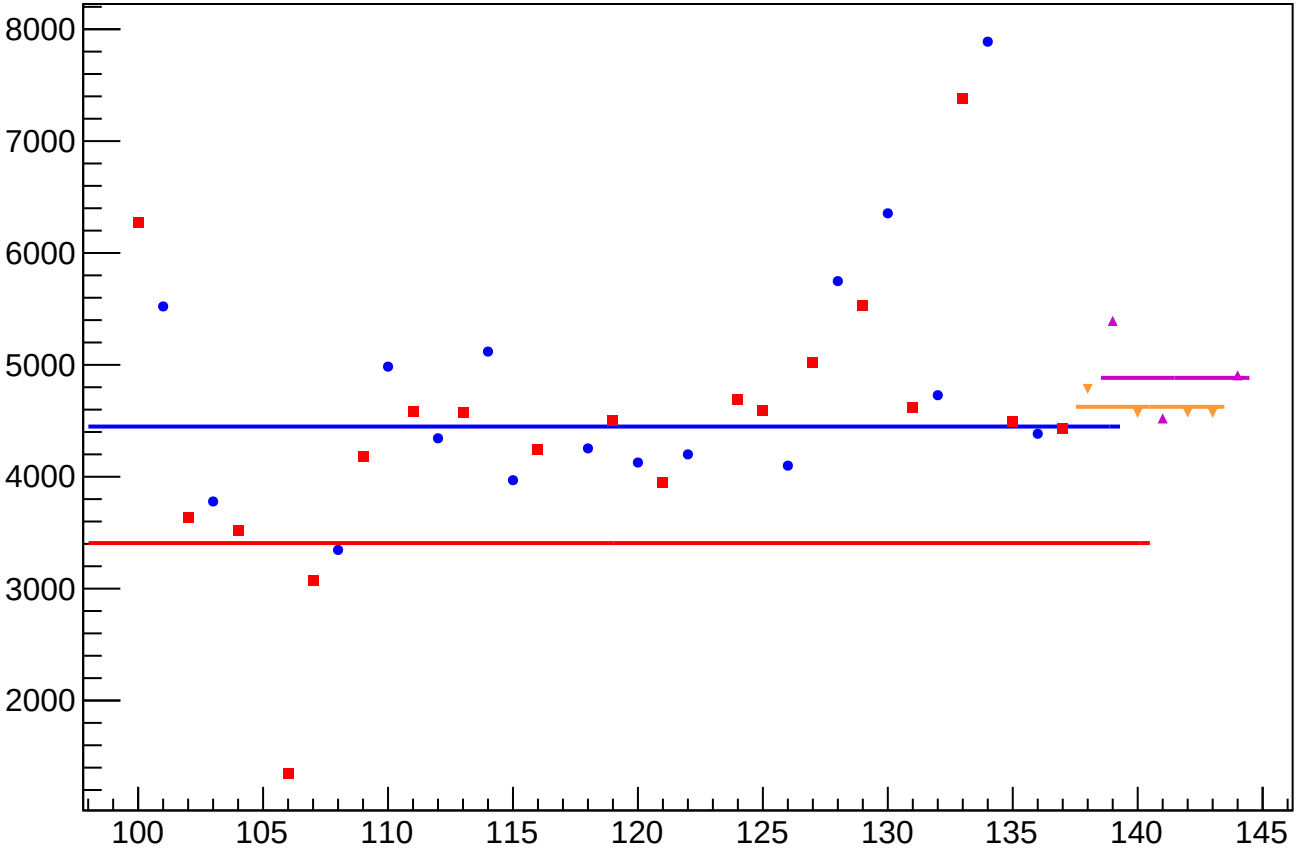
In: 1969.654+/-0.451 χ^2/NDF:668356.9/18

Out: 1959.247+/-0.439 χ^2/NDF:247510.2/22

All: 1964.309+/-0.315 χ^2/NDF: 916140.6/41


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 3725.853+/-2741.208 χ²/NDF:0.6/3
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 281.478+/-3030.242 χ²/NDF:0.8/2
Left: 2175.728+/-2032.850 χ²/NDF: 2.1/6
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -1006.707+/-1475.965 χ²/NDF:15.3/18
Out: 614.649+/-1220.917 χ²/NDF:18.0/22
All: -44.054+/-940.766 χ²/NDF: 34.0/41

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4625.221+/-1.938 χ^2/NDF:2264.4/3

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4883.934+/-2.143 χ^2/NDF:26341.1/2

Left: 4741.654+/-1.437 χ^2/NDF: 36623.0/6

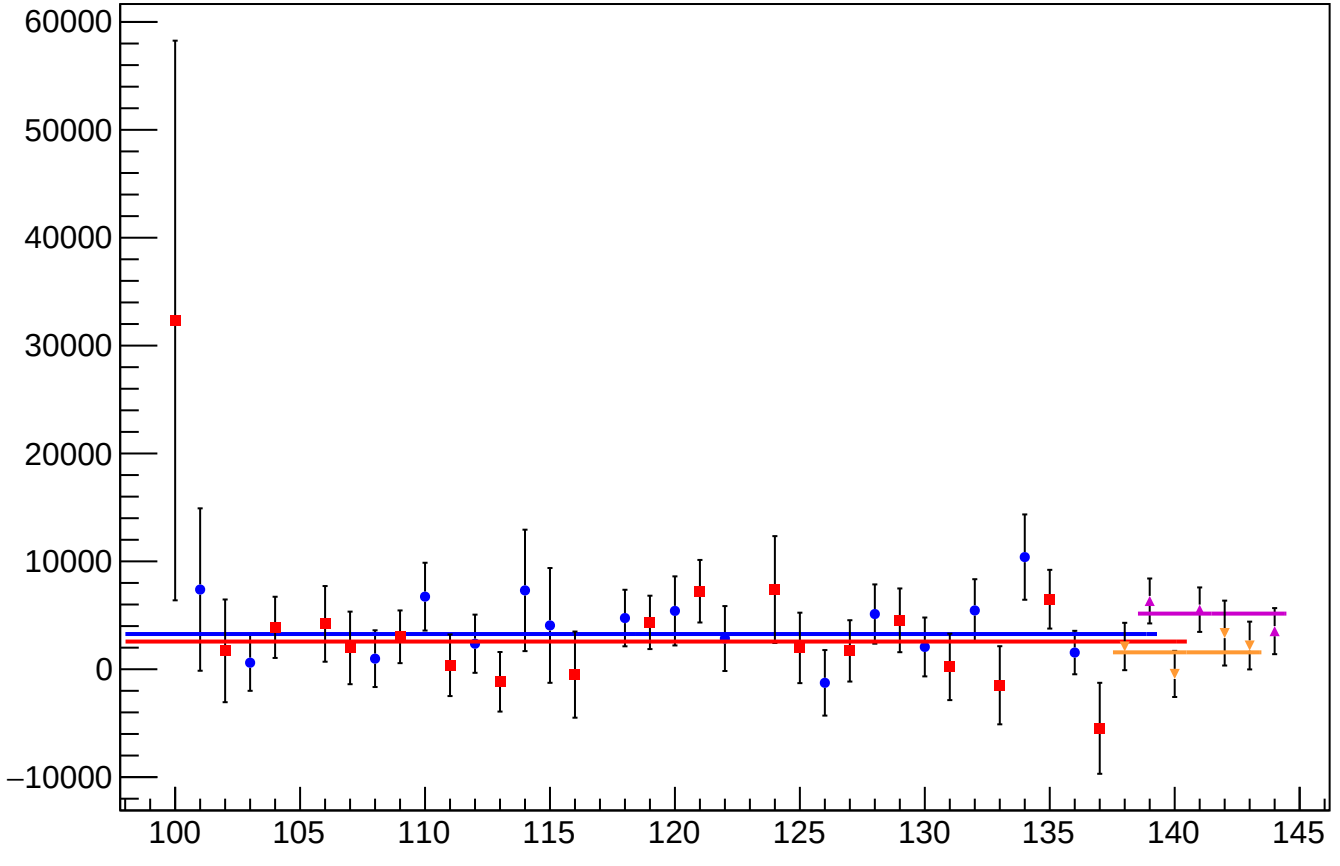
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4551.966+/-1.044 χ^2/NDF:552423.7/18

Out: 3648.768+/-0.863 χ^2/NDF:2644901.1/22

All: 4015.707+/-0.665 χ^2/NDF: 3641991.8/41

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1566.891+/-1161.654 χ^2/NDF:1.4/3

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 5157.130+/-1207.956 χ^2/NDF:0.9/2

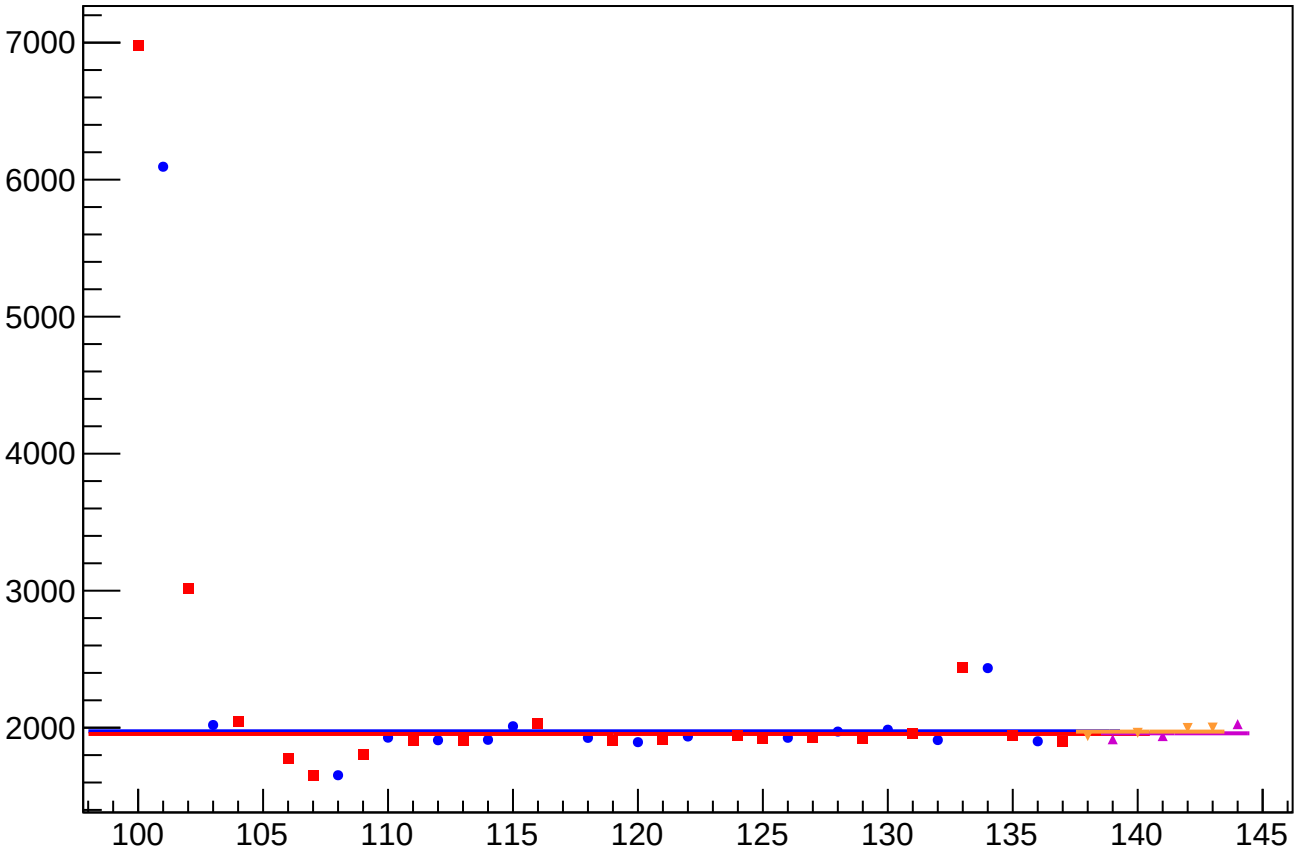
Left: 3291.885+/-837.304 χ^2/NDF: 6.9/6

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3792.080+/-637.705 χ^2/NDF:14.9/18

Out: 2280.932+/-621.039 χ^2/NDF:18.9/22

All: 3016.503+/-444.916 χ^2/NDF: 36.7/41



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.534+/-0.821 χ^2/NDF:985.9/3

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1959.057+/-0.854 χ^2/NDF:3019.3/2

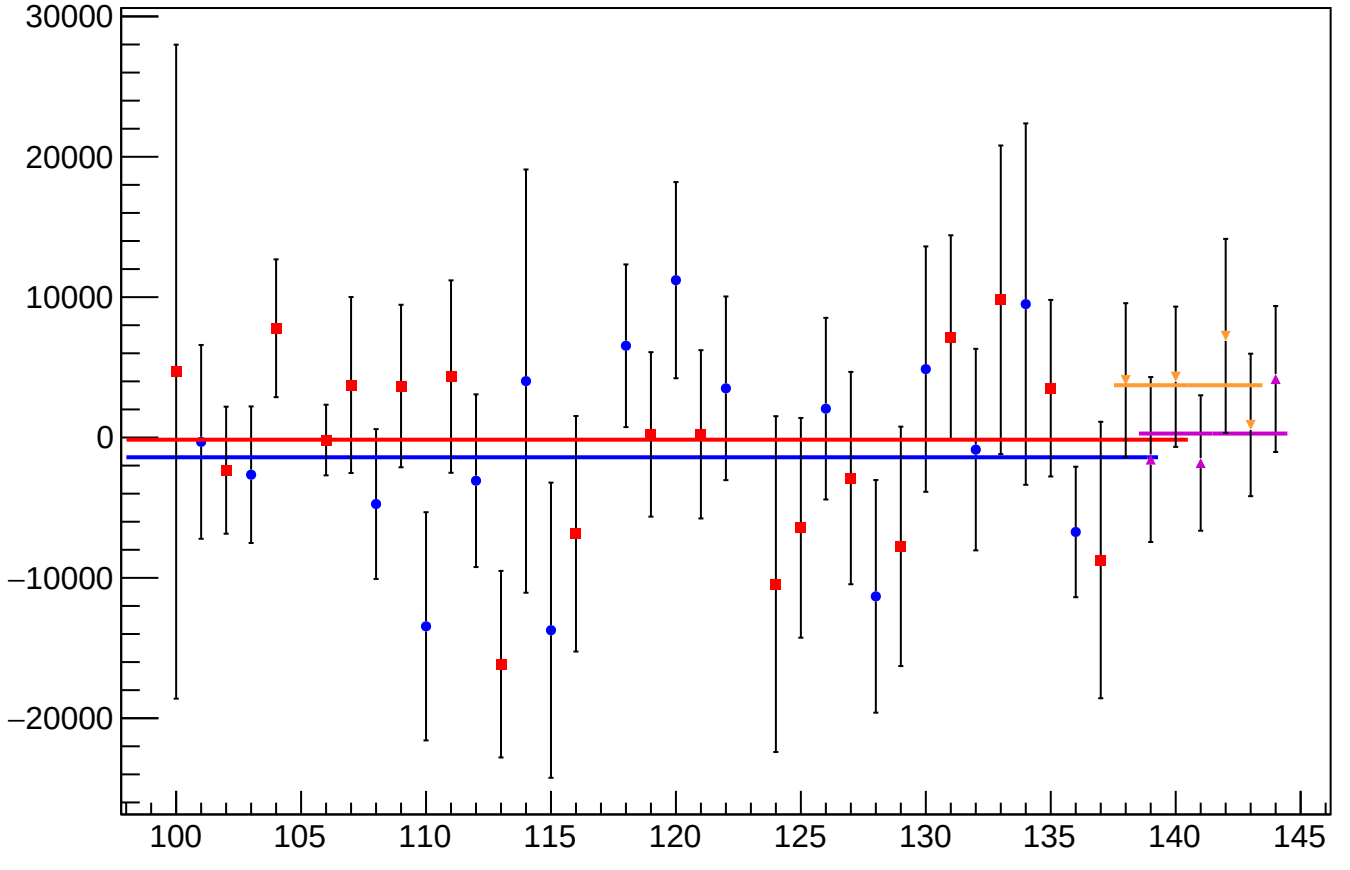
Left: 1965.539+/-0.592 χ^2/NDF: 4116.0/6

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1969.653+/-0.451 χ^2/NDF:668356.9/18

Out: 1959.247+/-0.439 χ^2/NDF:247509.8/22

All: 1964.309+/-0.315 χ^2/NDF: 916140.2/41



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 3725.858+/-2741.211 χ^2/NDF:0.6/3

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 281.466+/-3030.245 χ^2/NDF:0.8/2

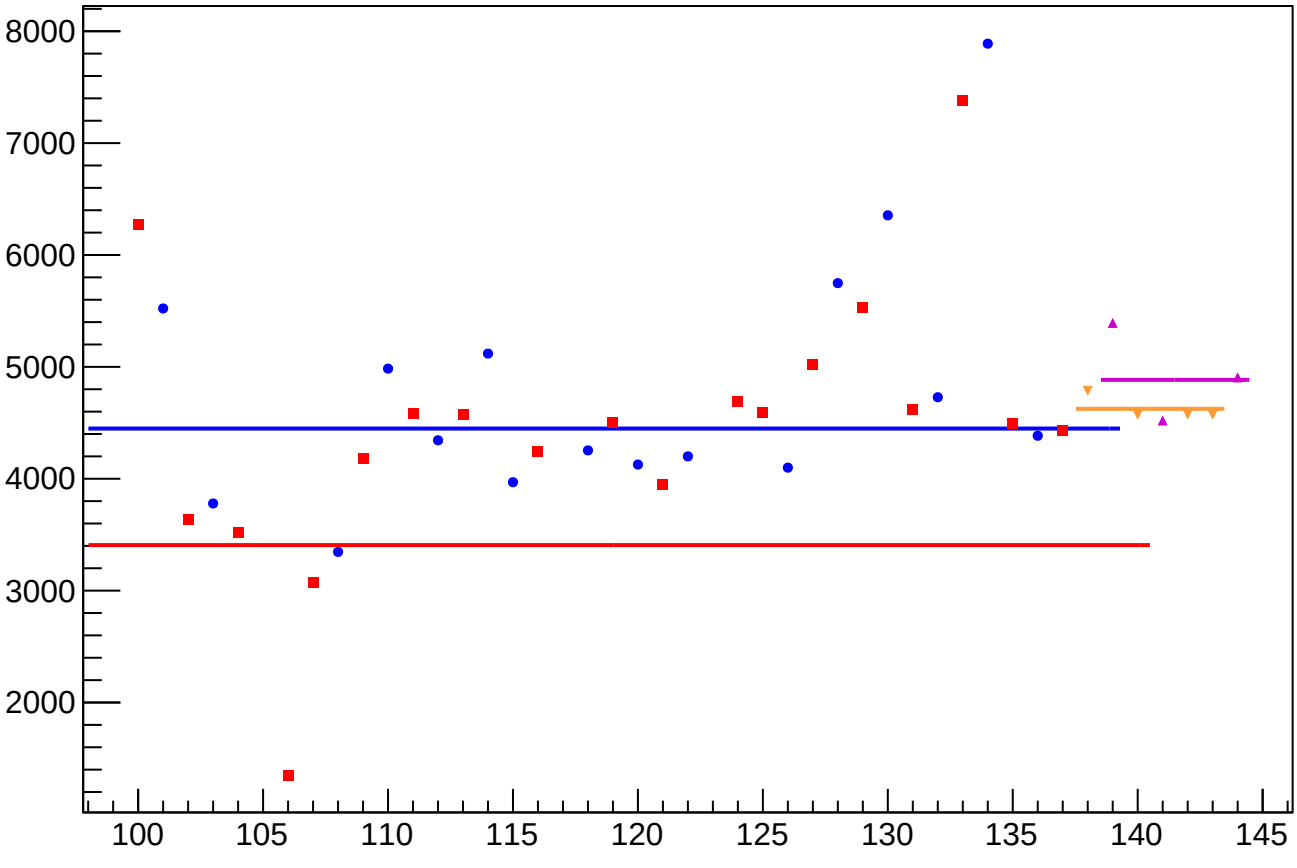
Left: 2175.725+/-2032.852 χ^2/NDF: 2.1/6

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -1006.697+/-1475.964 χ^2/NDF:15.3/18

Out: 614.645+/-1220.915 χ^2/NDF:18.0/22

All: -44.052+/-940.765 χ^2/NDF: 34.0/41



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4625.226+/-1.938 χ^2/NDF:2264.4/3

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4883.938+/-2.143 χ^2/NDF:26341.6/2

Left: 4741.658+/-1.437 χ^2/NDF: 36623.5/6

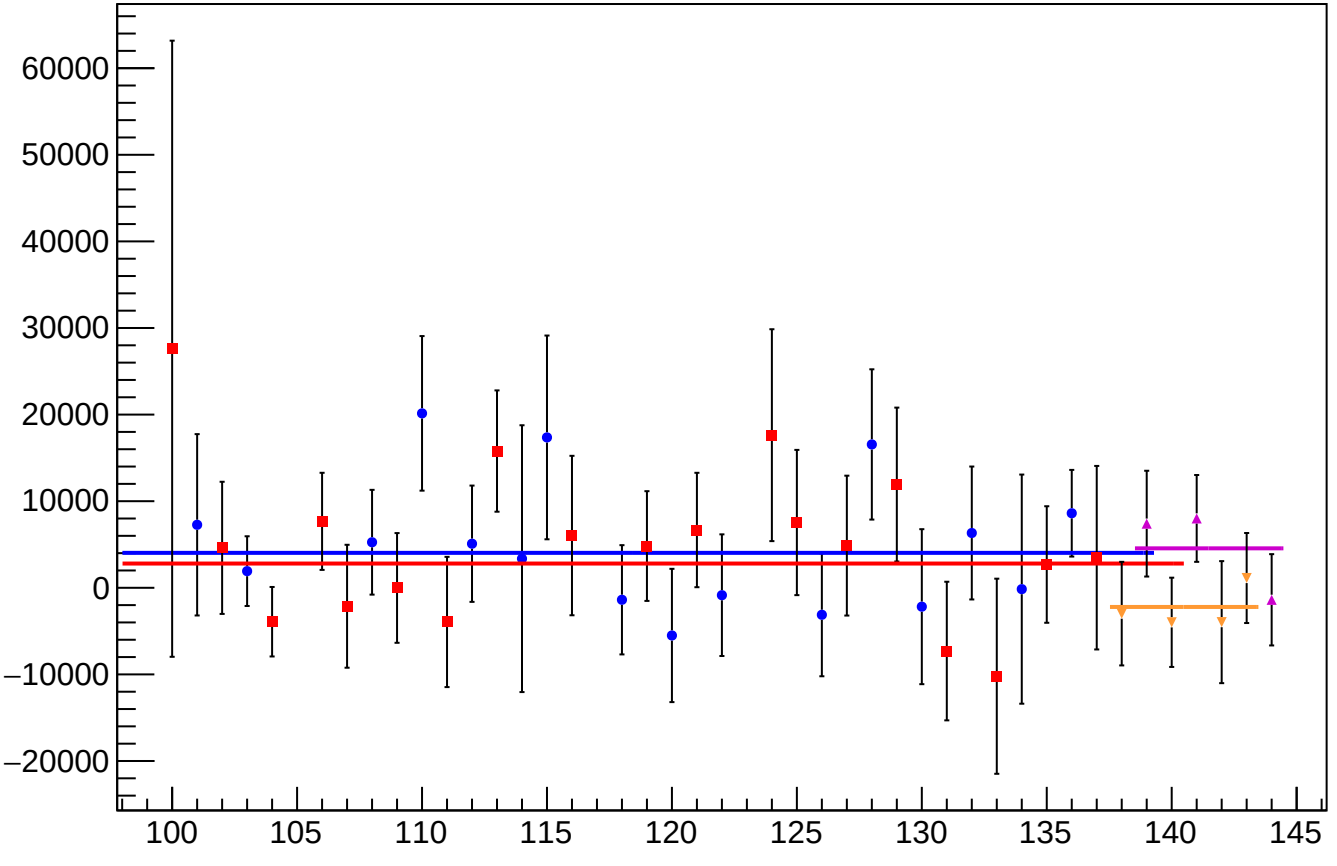
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4551.961+/-1.044 χ^2/NDF:552422.9/18

Out: 3648.761+/-0.863 χ^2/NDF:2644911.4/22

All: 4015.700+/-0.665 χ^2/NDF: 3642004.3/41

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2212.623+/-2853.863 χ^2/NDF:0.6/3

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 4555.513+/-3122.075 χ^2/NDF:2.0/2

Left: 868.288+/-2106.437 χ^2/NDF: 5.1/6

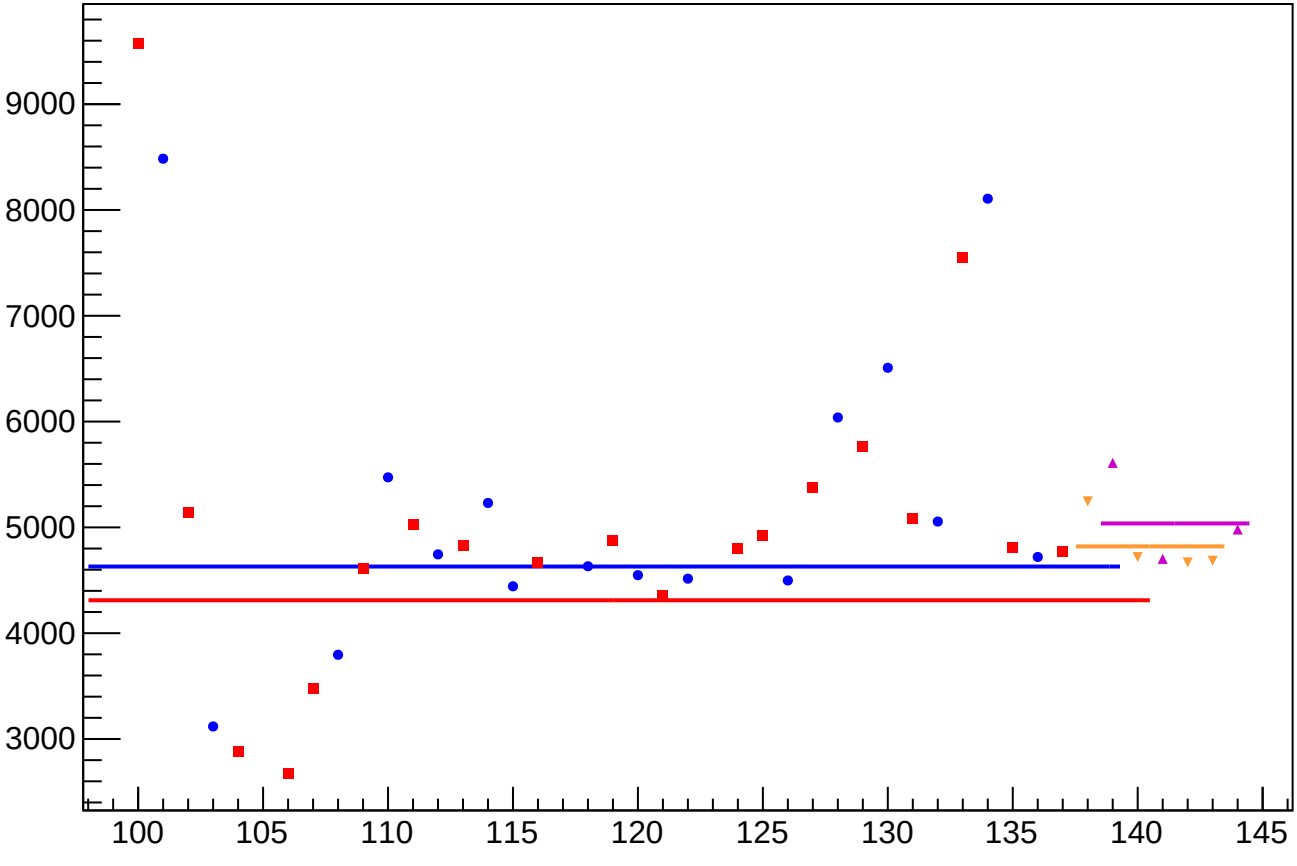
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4162.585+/-1547.665 χ^2/NDF:14.3/18

Out: 1519.647+/-1442.562 χ^2/NDF:18.3/22

All: 2748.335+/-1055.247 χ^2/NDF: 34.2/41

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4820.342+/-2.018 χ^2/NDF:13171.0/3

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5037.136+/-2.208 χ^2/NDF:26726.7/2

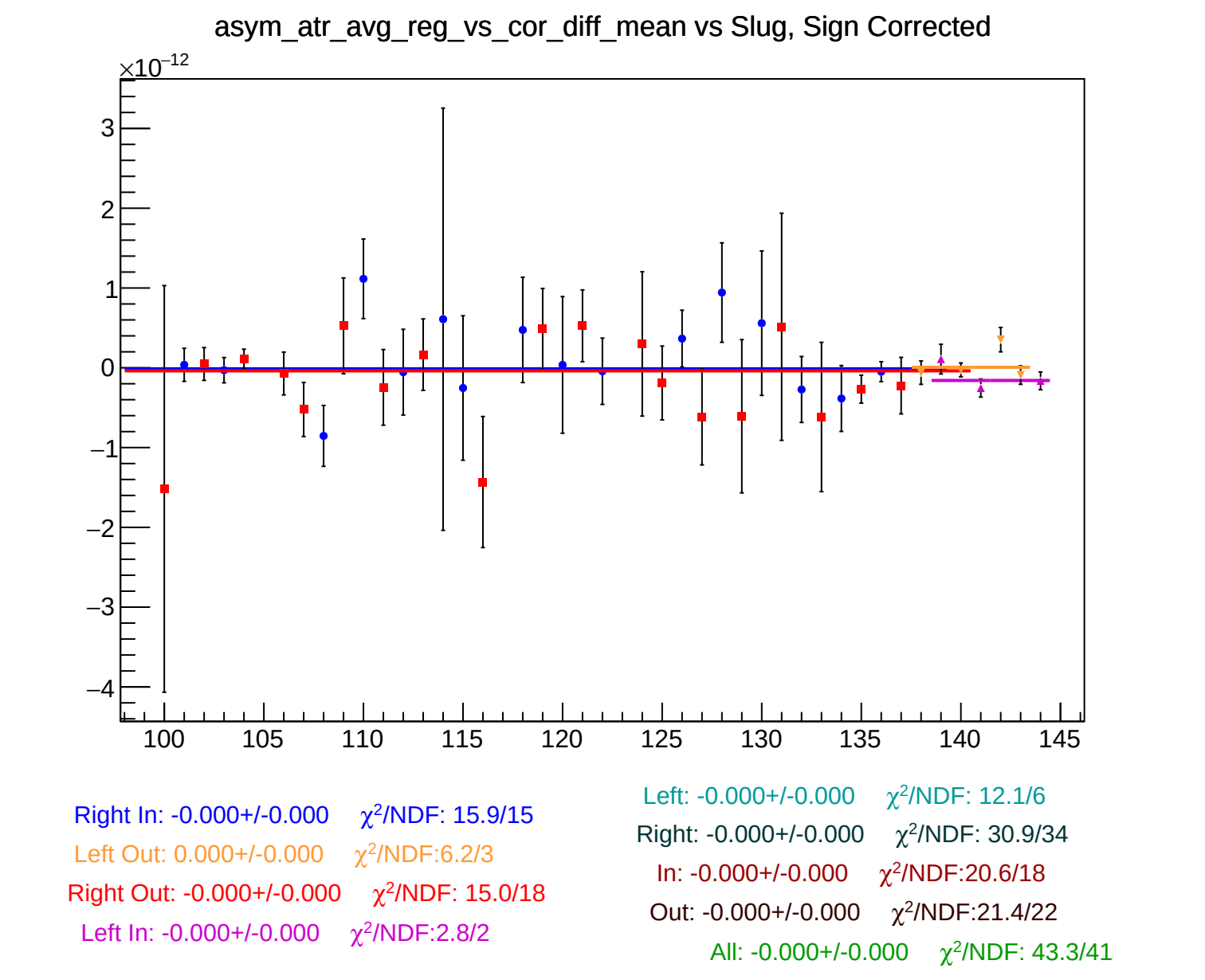
Left: 4919.028+/-1.489 χ^2/NDF: 45151.5/6

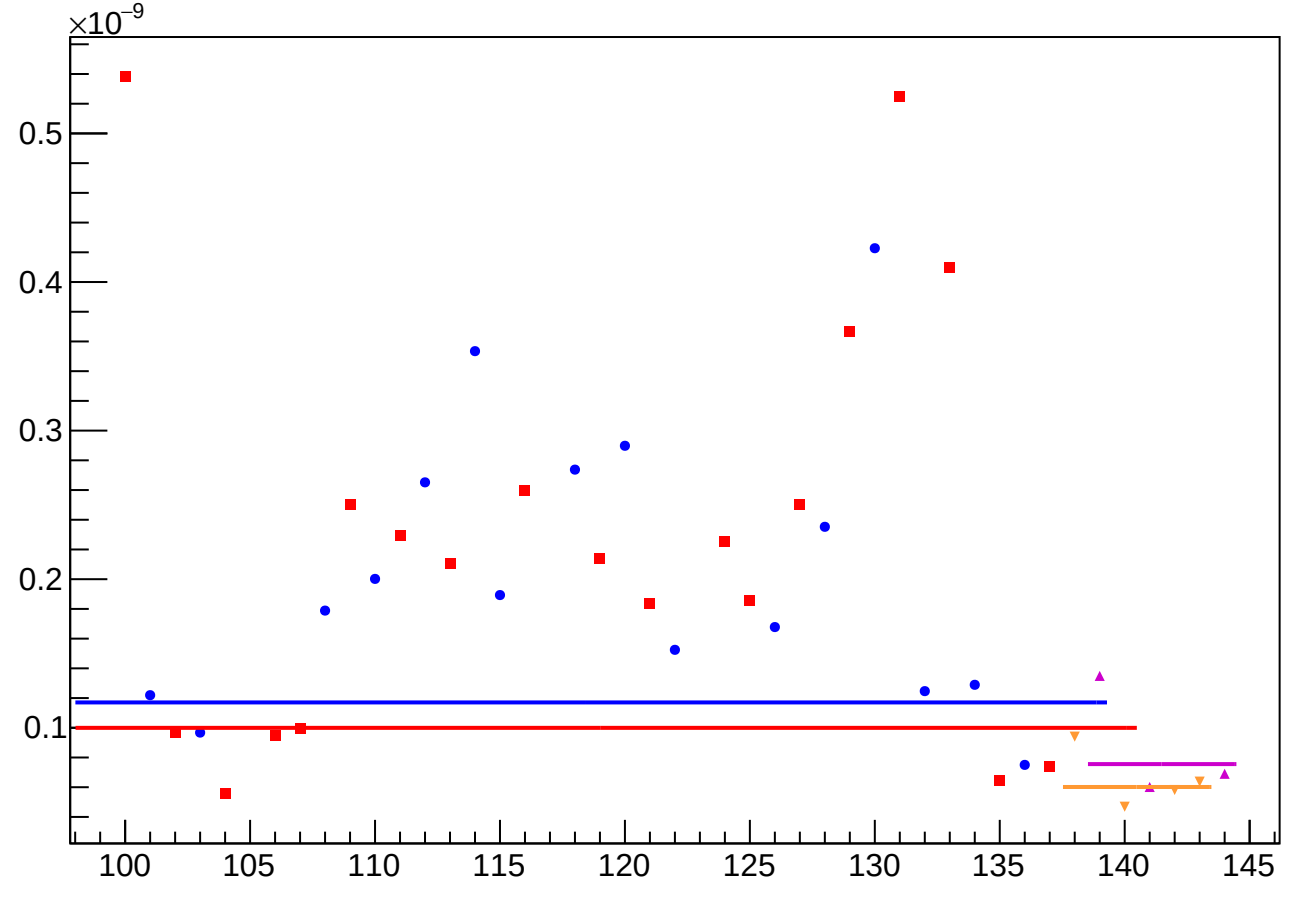
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4730.023+/-1.094 χ^2/NDF:952630.6/18

Out: 4439.627+/-1.013 χ^2/NDF:965506.0/22

All: 4573.694+/-0.744 χ^2/NDF: 1956042.4/41


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.8/2
Left: -0.000+/-0.000 χ²/NDF: 12.1/6
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:20.6/18
Out: -0.000+/-0.000 χ²/NDF:21.4/22
All: -0.000+/-0.000 χ²/NDF: 43.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:156219.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:248595.0/2

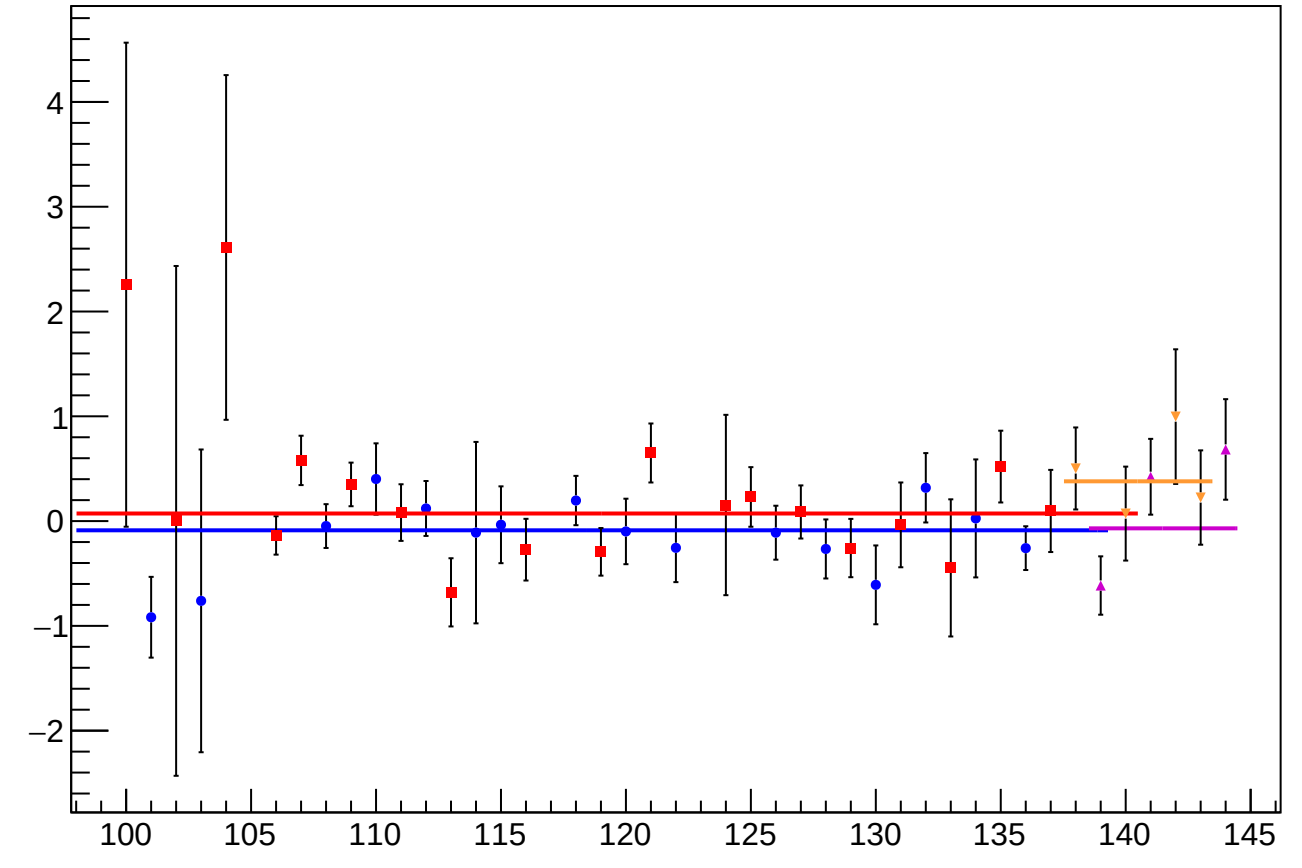
Left: 0.000+/-0.000 χ^2/NDF: 459407.4/6

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:1661566.2/18

Out: 0.000+/-0.000 χ^2/NDF:2366831.3/22

All: 0.000+/-0.000 χ^2/NDF: 4194846.8/41



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.069+/-0.200 χ^2/NDF:8.2/2

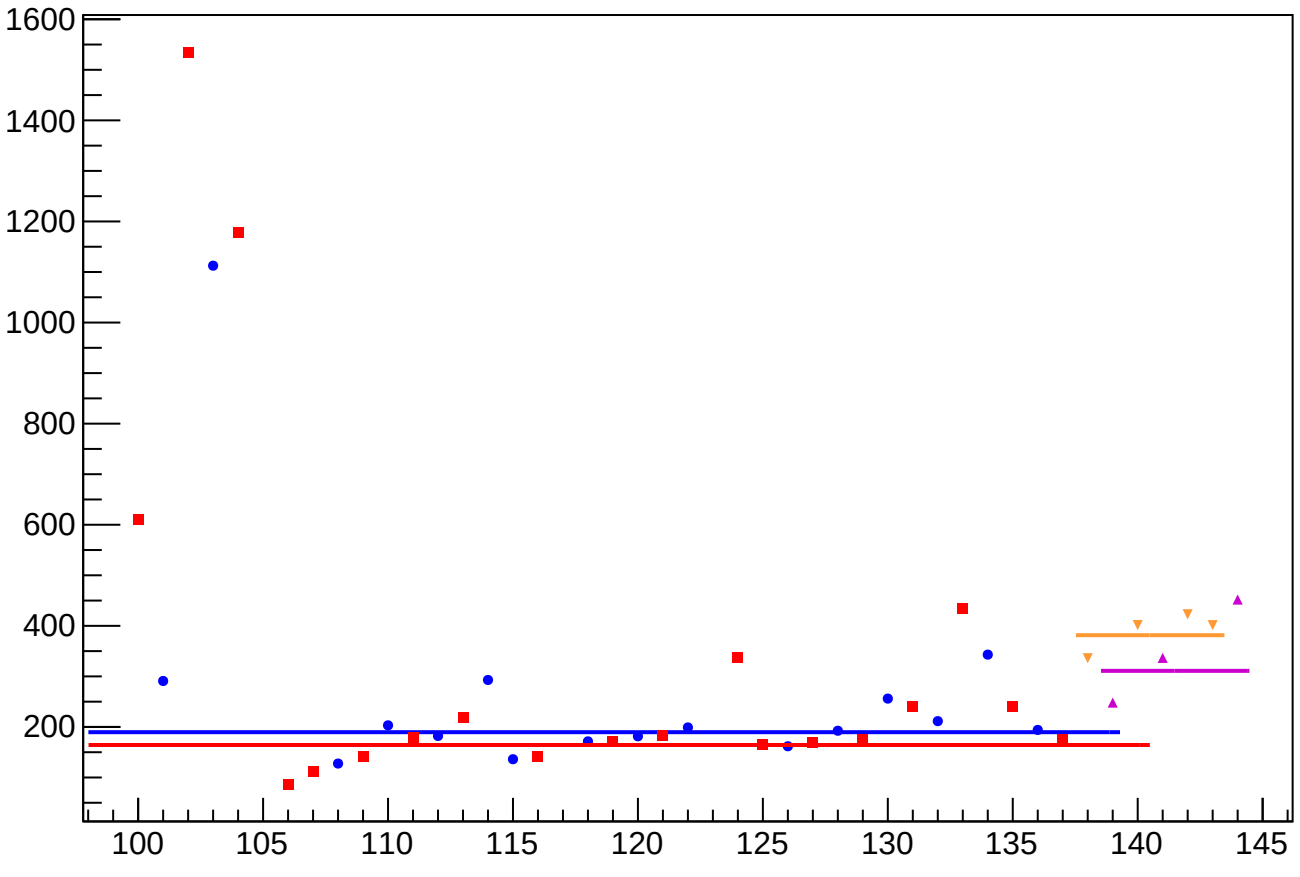
Left: 0.124+/-0.151 χ^2/NDF: 11.9/6

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.086+/-0.072 χ^2/NDF:22.0/18

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.013+/-0.049 χ^2/NDF: 57.4/41



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 381.515+/-0.163 χ^2/NDF:43285.9/3

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 310.958+/-0.142 χ^2/NDF:284707.7/2

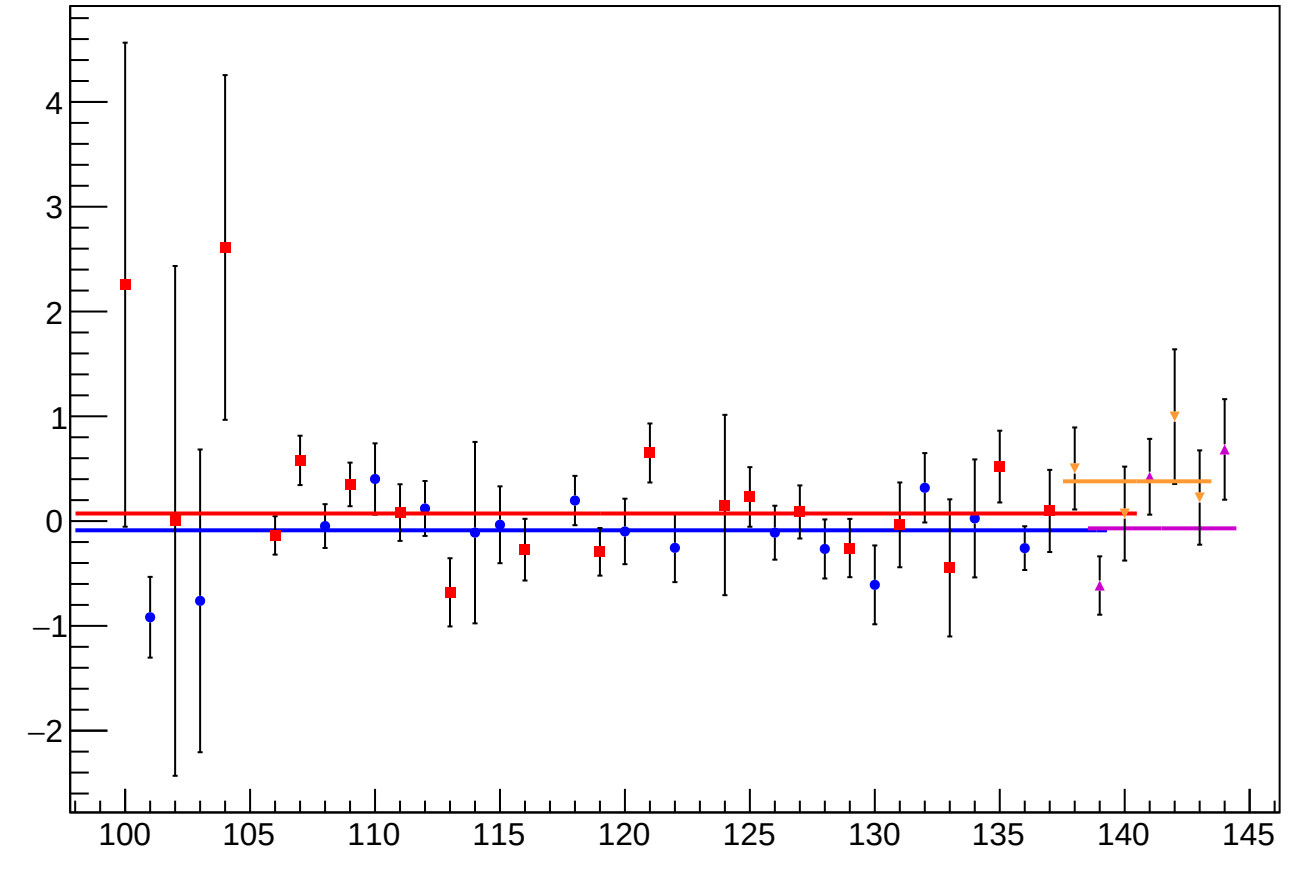
Left: 341.384+/-0.107 χ^2/NDF: 434824.1/6

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 205.145+/-0.051 χ^2/NDF:2389070.2/18

Out: 182.674+/-0.047 χ^2/NDF:4316398.3/22

All: 193.147+/-0.035 χ^2/NDF: 6810373.9/41



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.069+/-0.200 χ^2/NDF:8.2/2

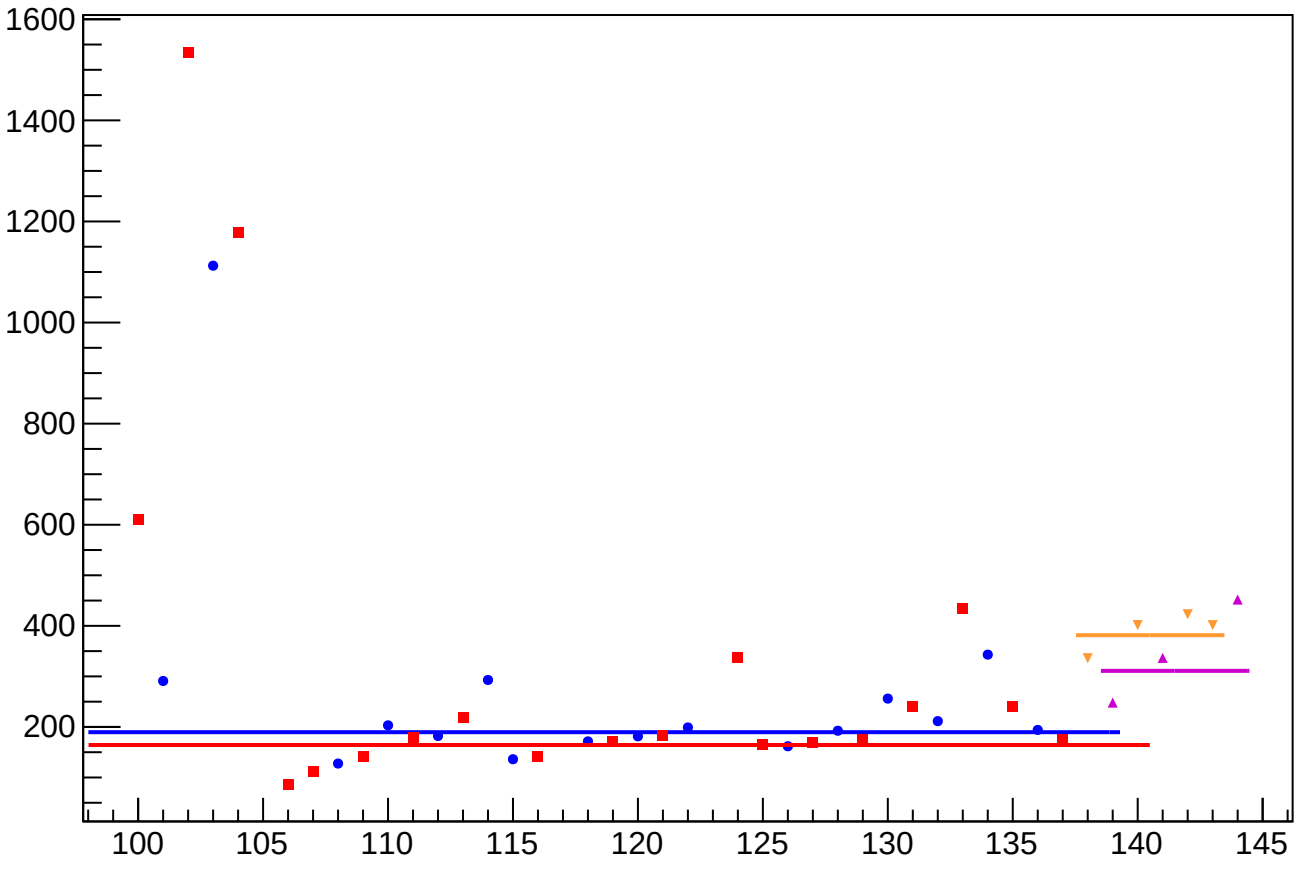
Left: 0.124+/-0.151 χ^2/NDF: 11.9/6

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.086+/-0.072 χ^2/NDF:22.0/18

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.013+/-0.049 χ^2/NDF: 57.4/41



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 381.515+/-0.163 χ^2/NDF:43285.9/3

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 310.958+/-0.142 χ^2/NDF:284707.7/2

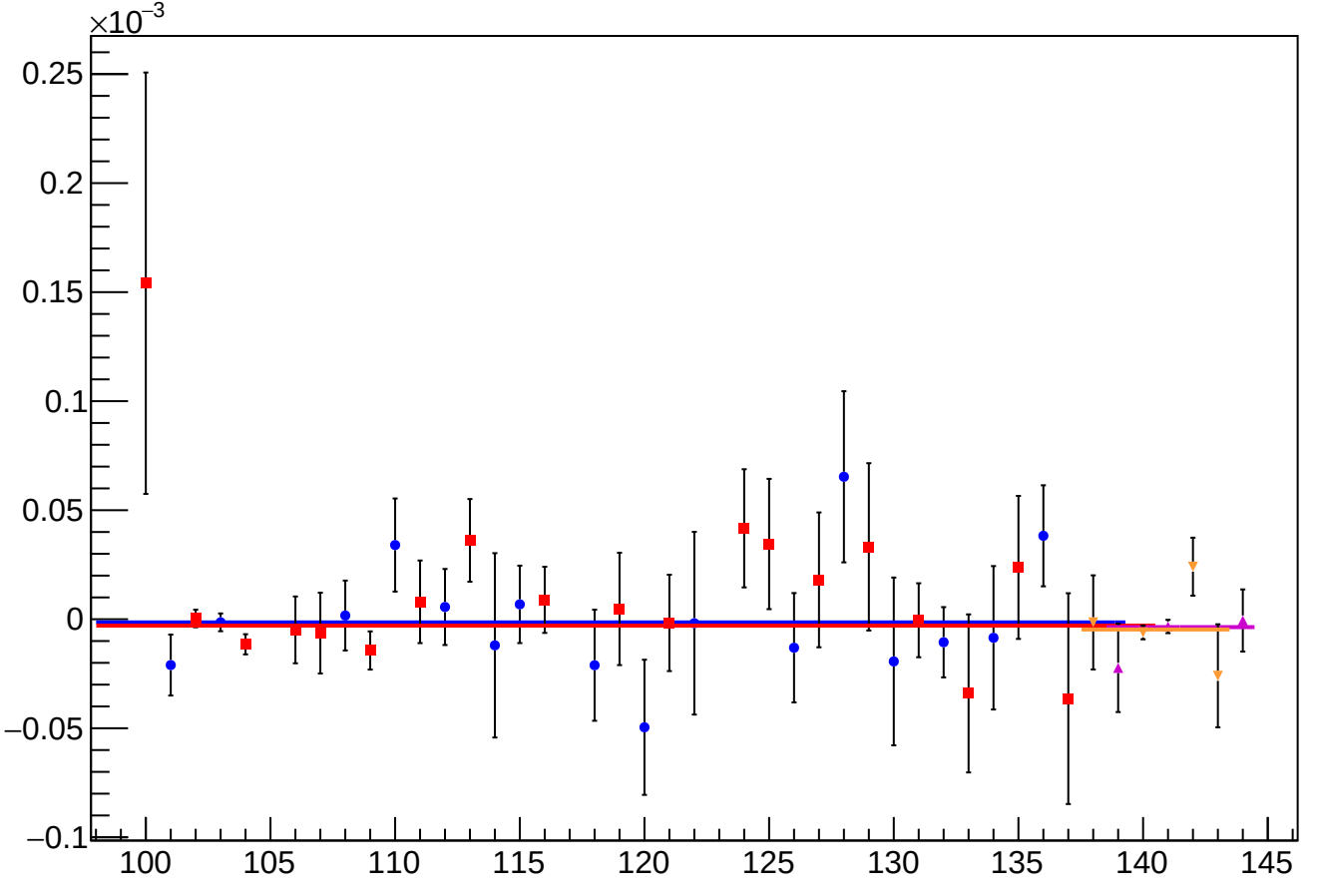
Left: 341.384+/-0.107 χ^2/NDF: 434824.1/6

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 205.145+/-0.051 χ^2/NDF:2389070.2/18

Out: 182.674+/-0.047 χ^2/NDF:4316398.3/22

All: 193.147+/-0.035 χ^2/NDF: 6810373.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

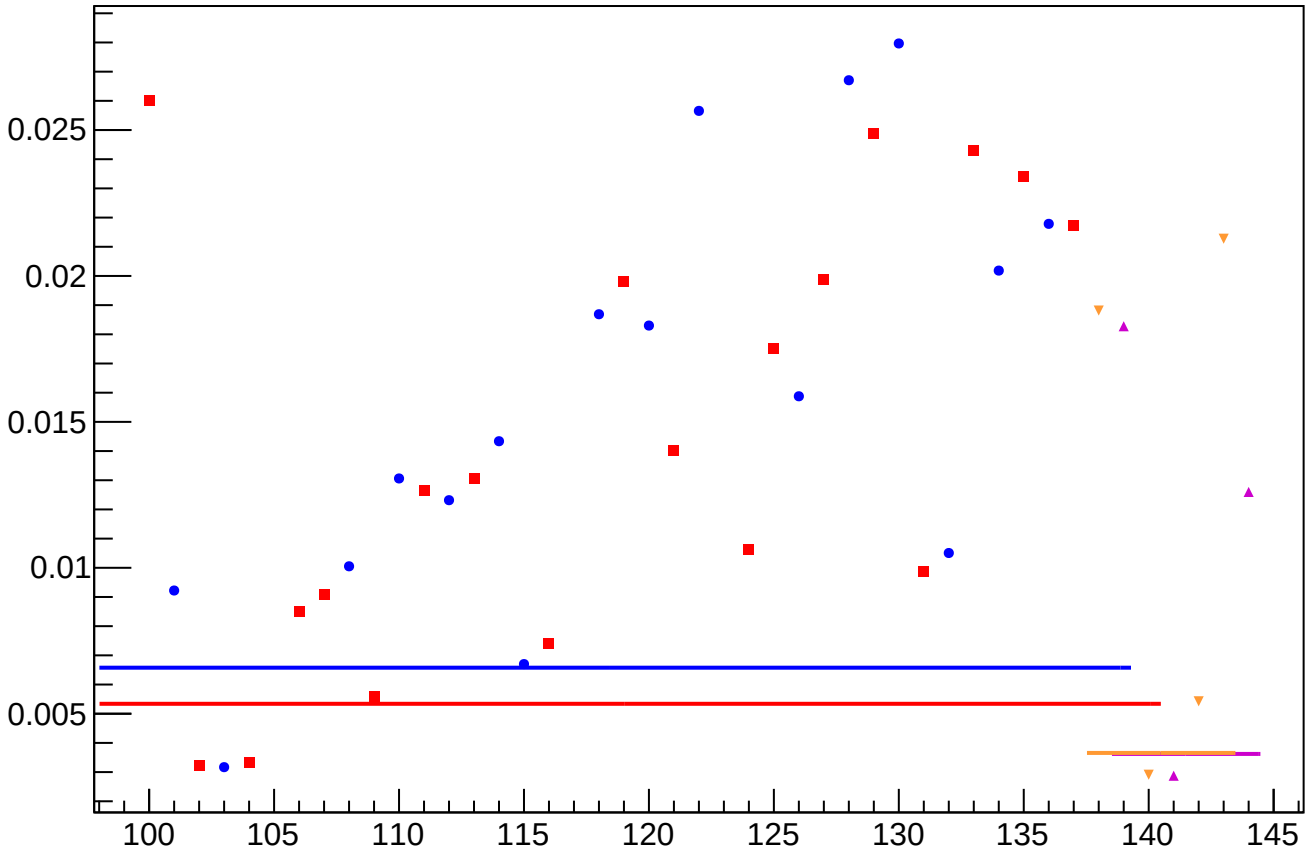
Left: -0.000+/-0.000 χ^2/NDF: 6.7/6

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:16.0/18

Out: -0.000+/-0.000 χ^2/NDF:27.2/22

All: -0.000+/-0.000 χ^2/NDF: 43.3/41



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2245516.1/3

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1958428.5/2

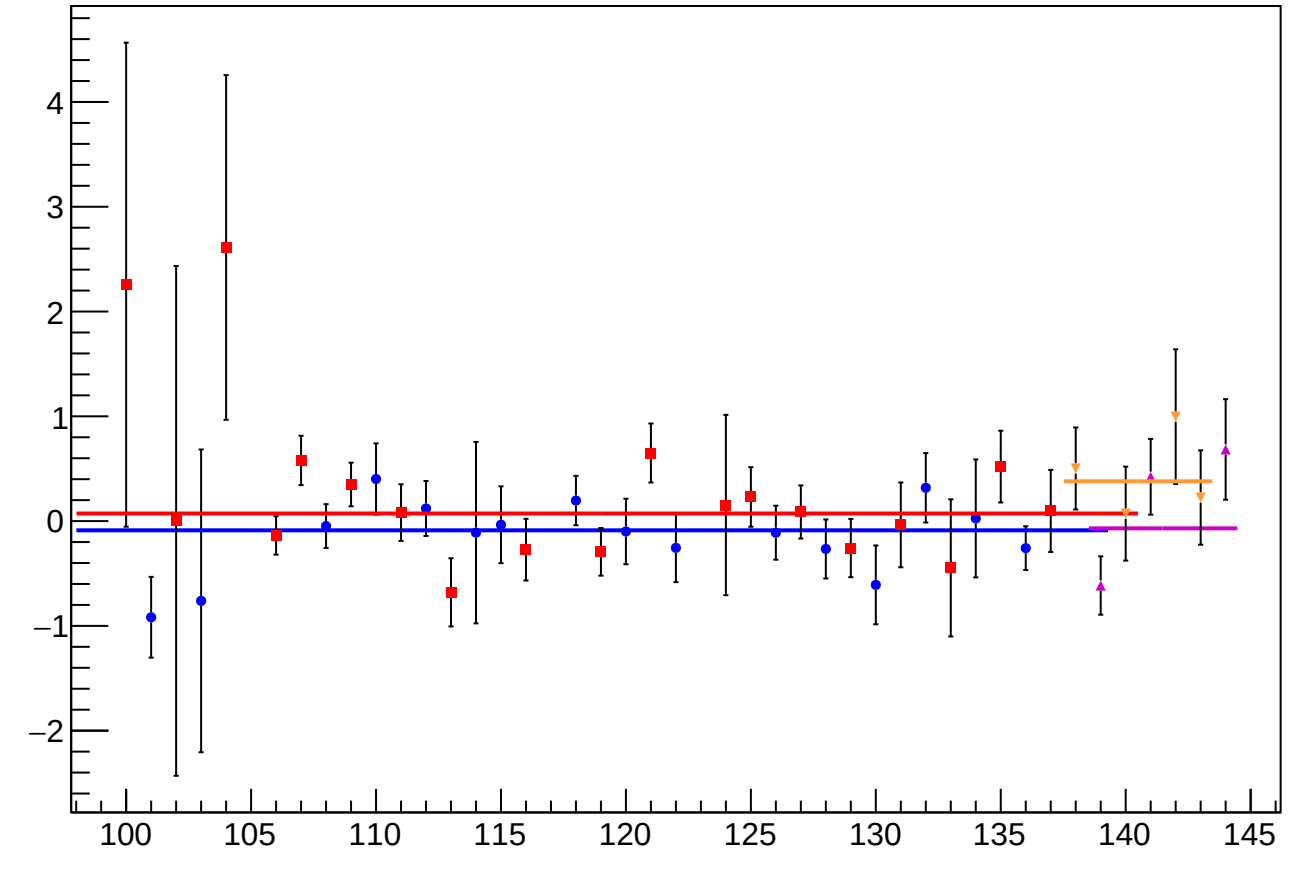
Left: 0.004+/-0.000 χ^2/NDF: 4204075.1/6

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:8771579.4/18

Out: 0.005+/-0.000 χ^2/NDF:8291058.9/22

All: 0.005+/-0.000 χ^2/NDF: 17082770.0/41



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.069+/-0.200 χ^2/NDF:8.2/2

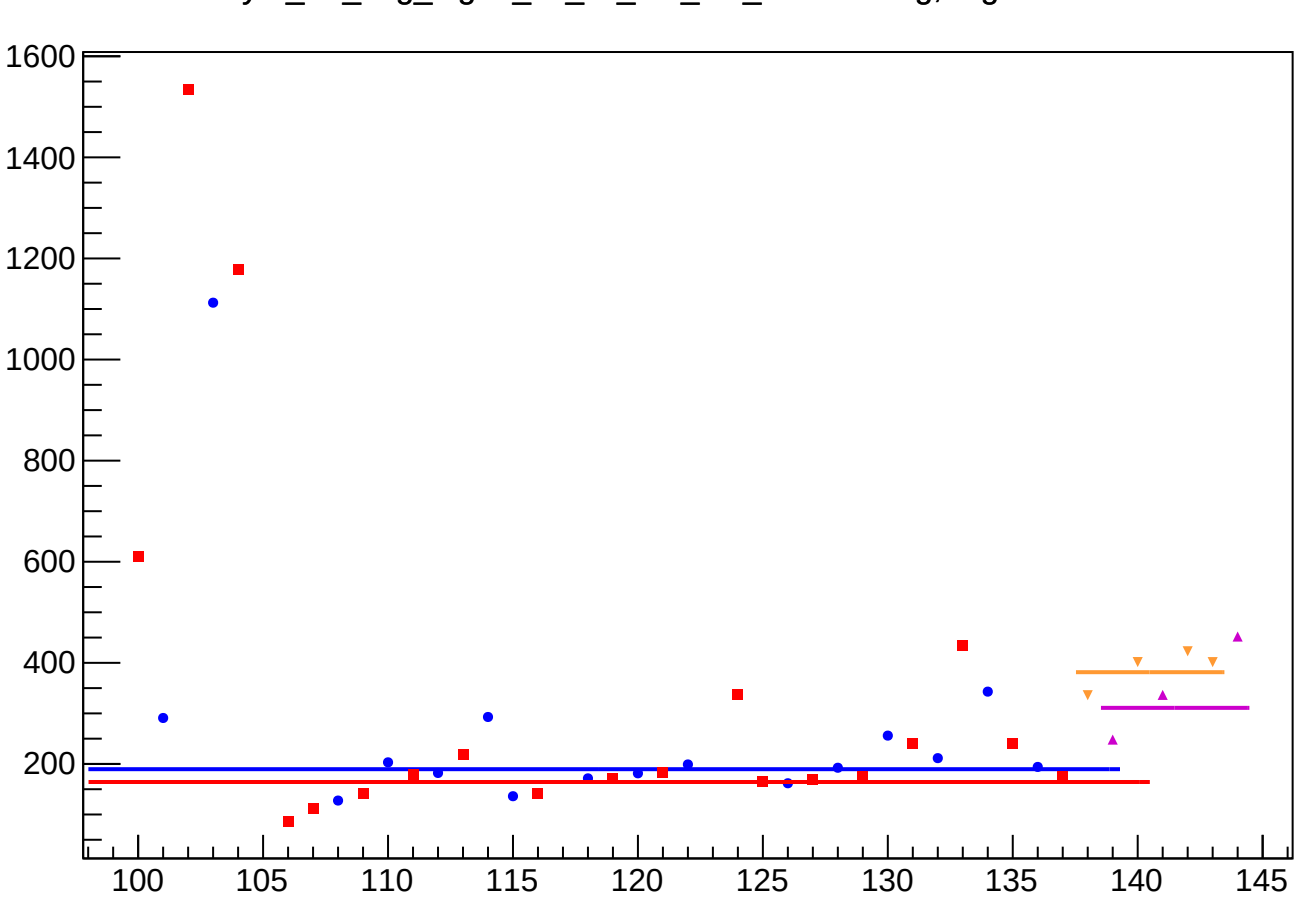
Left: 0.124+/-0.151 χ^2/NDF: 11.9/6

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.086+/-0.072 χ^2/NDF:22.0/18

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.013+/-0.049 χ^2/NDF: 57.4/41



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 381.520+/-0.163 χ^2/NDF:43281.9/3

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 310.961+/-0.142 χ^2/NDF:284699.2/2

Left: 341.387+/-0.107 χ^2/NDF: 434812.2/6

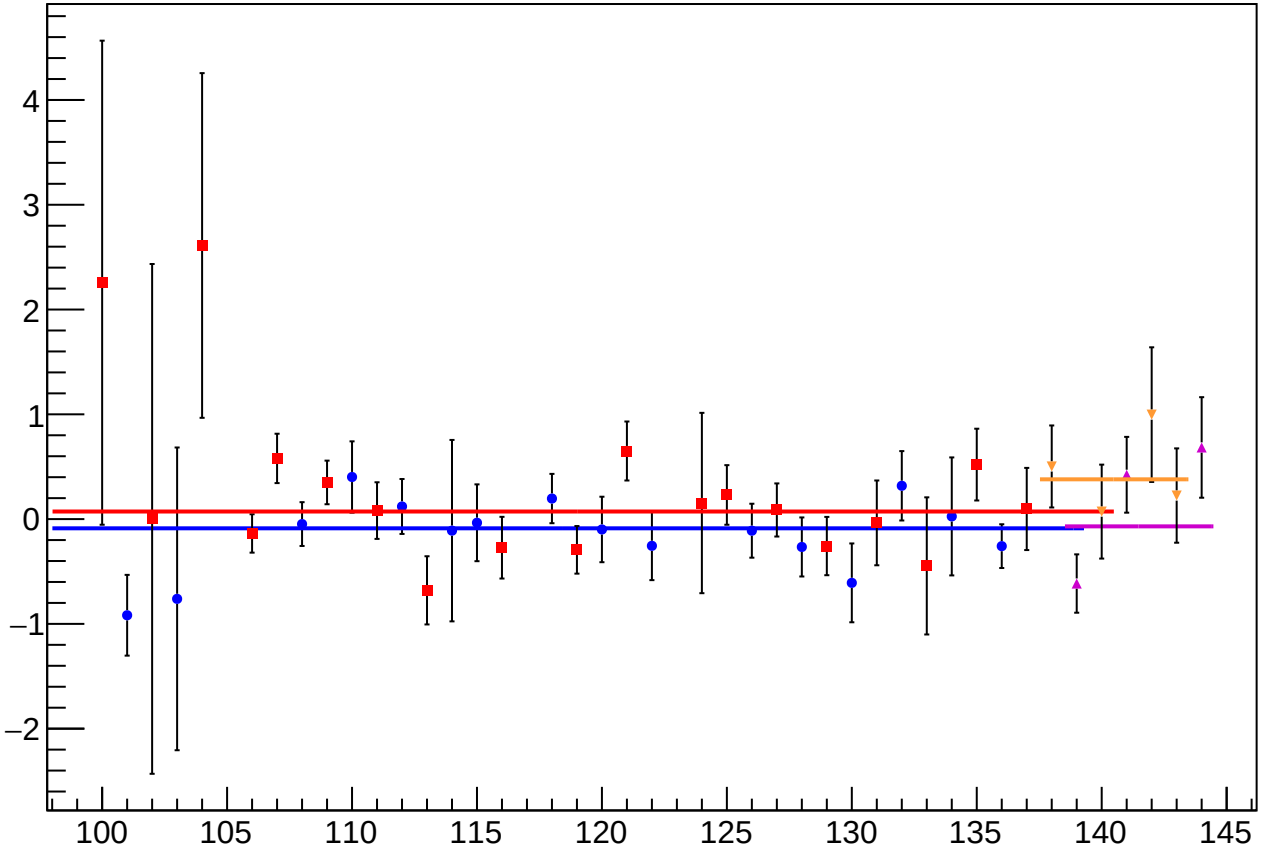
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 205.144+/-0.051 χ^2/NDF:2389081.2/18

Out: 182.673+/-0.047 χ^2/NDF:4316415.2/22

All: 193.147+/-0.035 χ^2/NDF: 6810405.0/41

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: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.069+/-0.200 χ^2/NDF:8.2/2

Left: 0.124+/-0.151 χ^2/NDF: 11.9/6

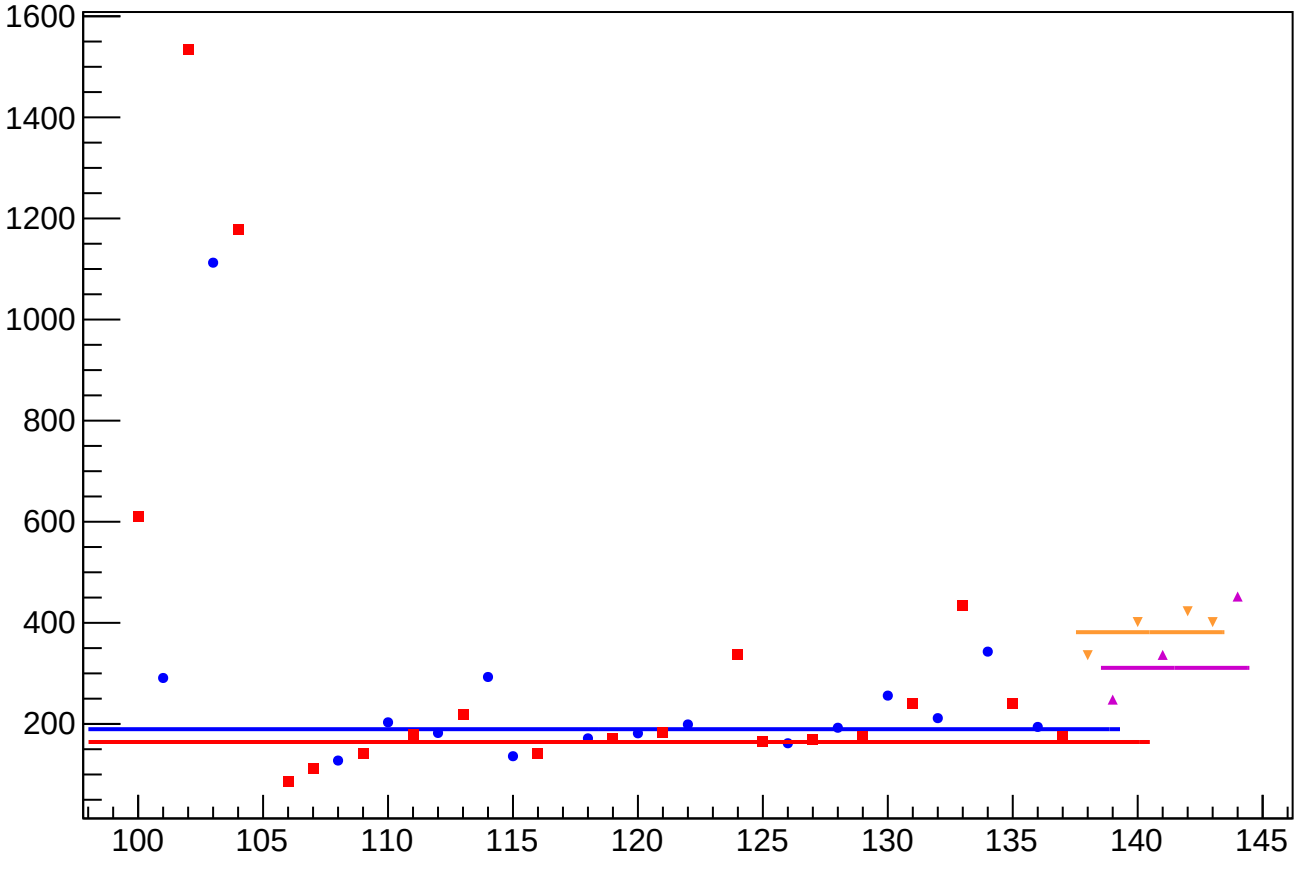
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.086+/-0.072 χ^2/NDF:22.0/18

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.013+/-0.049 χ^2/NDF: 57.4/41

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 381.520+/-0.163 χ^2/NDF:43281.9/3

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 310.961+/-0.142 χ^2/NDF:284699.2/2

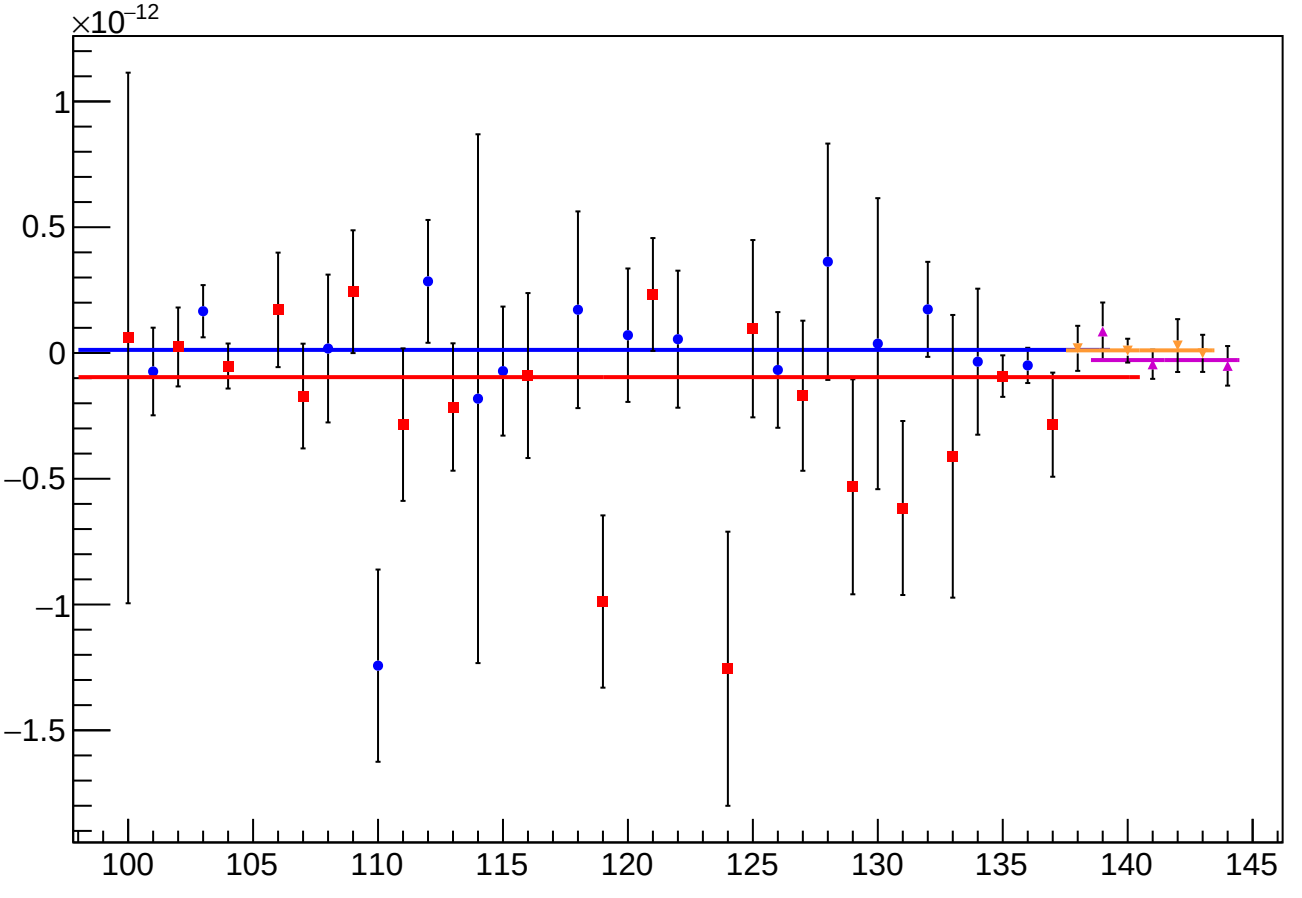
Left: 341.387+/-0.107 χ^2/NDF: 434812.2/6

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 205.144+/-0.051 χ^2/NDF:2389081.2/18

Out: 182.673+/-0.047 χ^2/NDF:4316415.2/22

All: 193.147+/-0.035 χ^2/NDF: 6810405.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

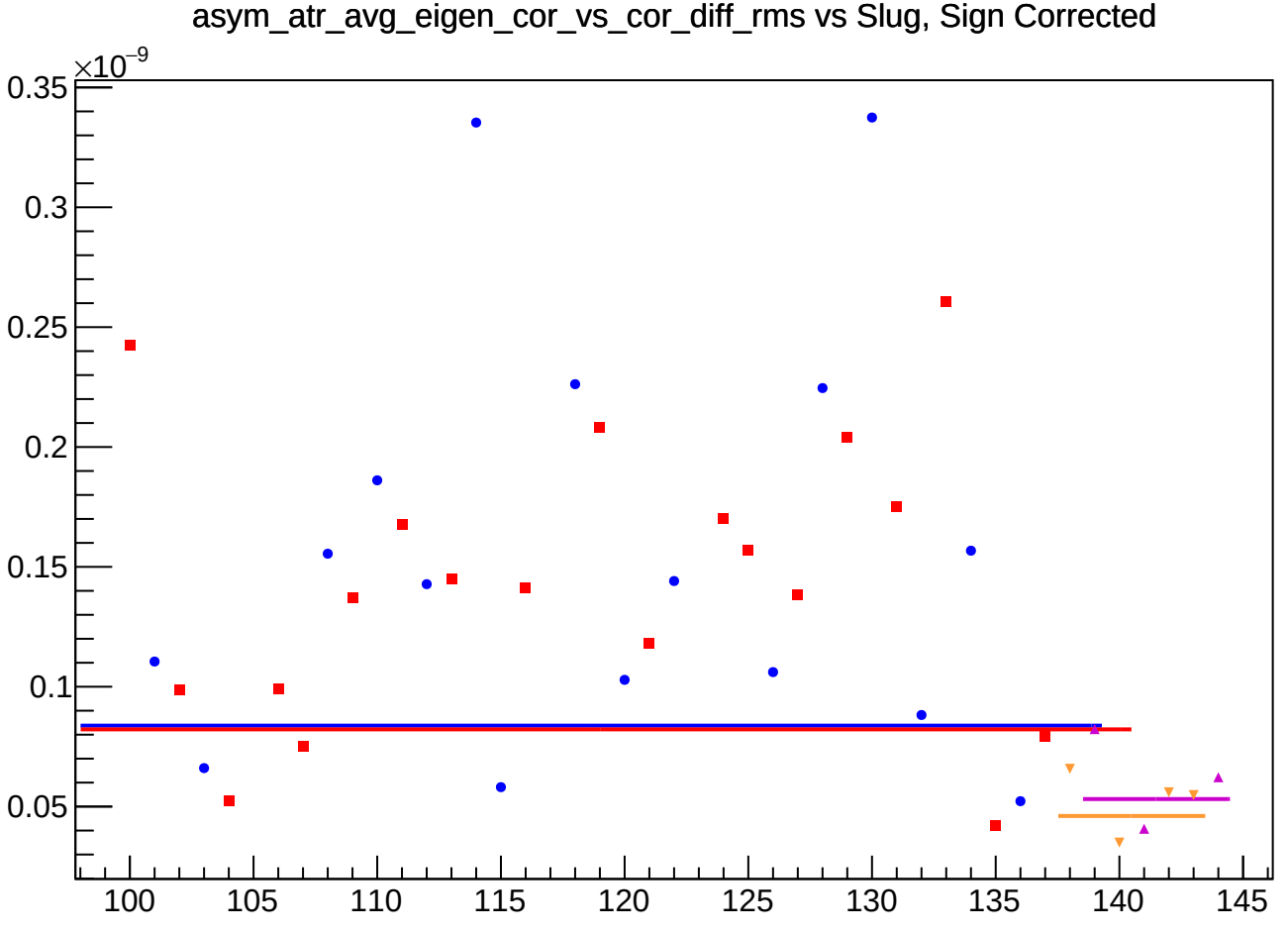
Left: -0.000+/-0.000 χ^2/NDF: 1.7/6

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:18.6/18

Out: -0.000+/-0.000 χ^2/NDF:26.8/22

All: -0.000+/-0.000 χ^2/NDF: 45.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:251985.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:247311.2/2

Left: 0.000+/-0.000 χ^2/NDF: 531914.1/6

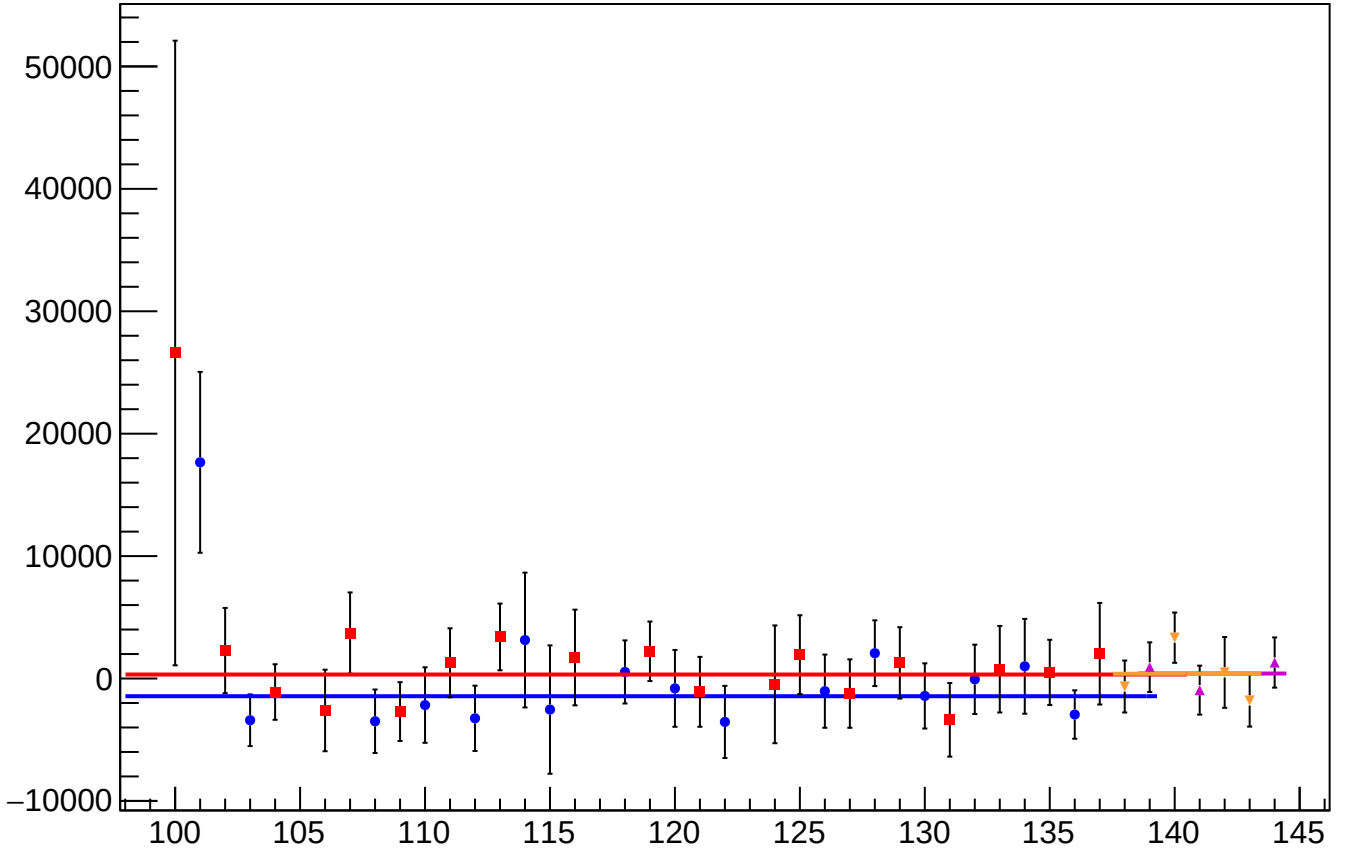
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2831354.5/18

Out: 0.000+/-0.000 χ^2/NDF:3342789.1/22

All: 0.000+/-0.000 χ^2/NDF: 6250698.3/41

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 389.887+/-1119.176 χ^2/NDF:3.4/3

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 407.268+/-1170.396 χ^2/NDF:0.7/2

Left: 398.189+/-808.879 χ^2/NDF: 4.1/6

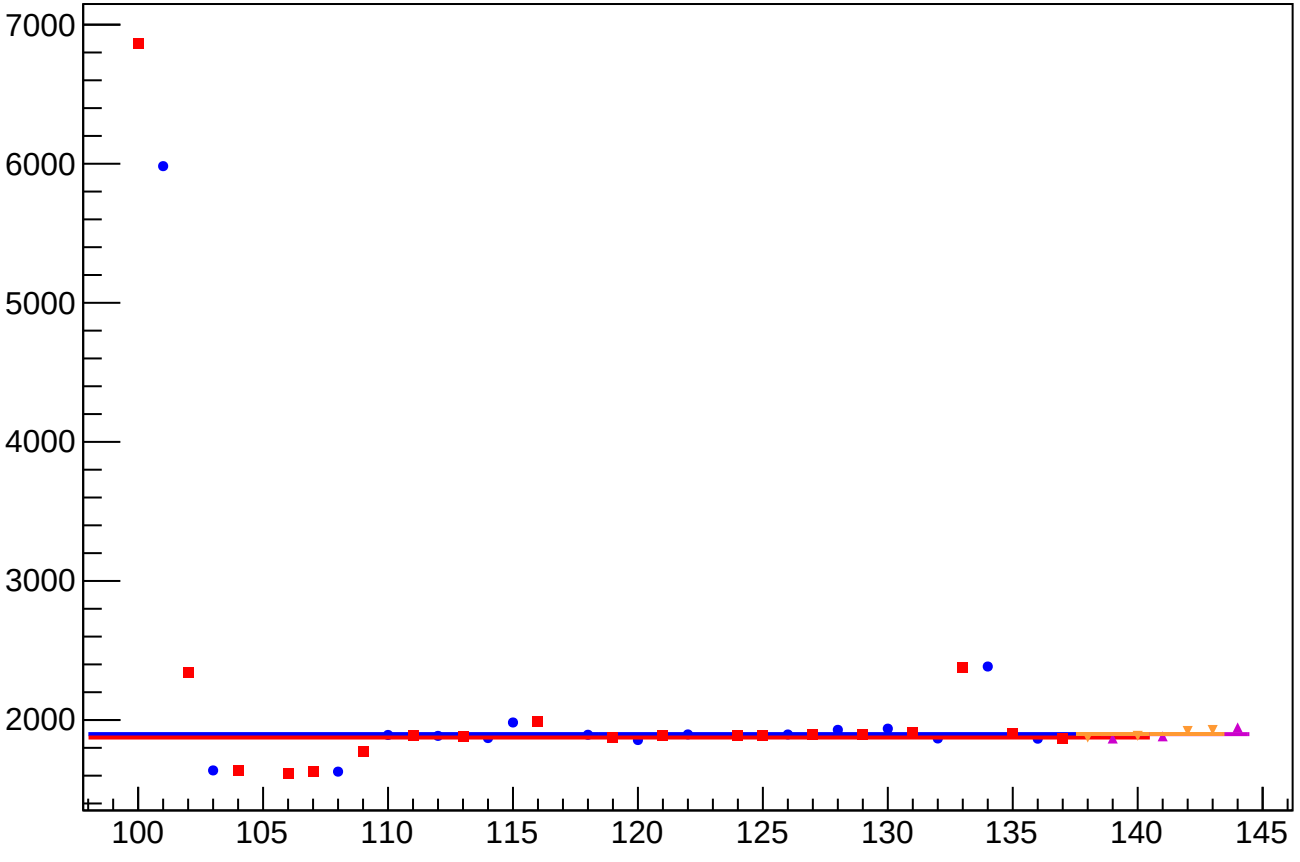
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -934.374+/-615.188 χ^2/NDF:16.0/18

Out: 343.997+/-595.087 χ^2/NDF:13.3/22

All: -273.963+/-427.720 χ^2/NDF: 31.6/41

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

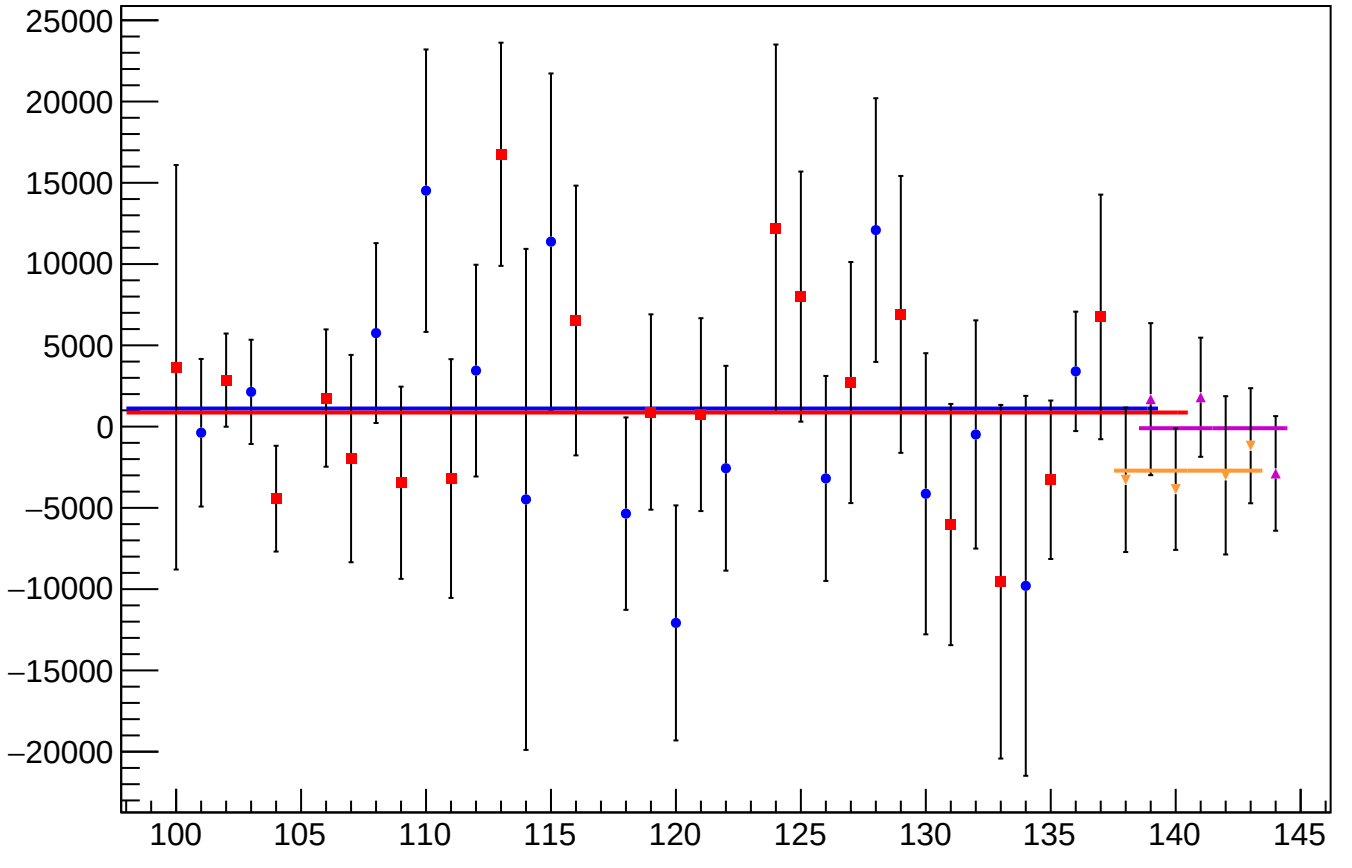
Left: 1899.050+/-0.572 χ^2/NDF: 2535.0/6

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1898.745+/-0.435 χ^2/NDF:699208.4/18

Out: 1881.362+/-0.420 χ^2/NDF:209230.9/22

All: 1889.743+/-0.302 χ^2/NDF: 909266.1/41



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2709.215+/-2023.777 χ^2/NDF:0.3/3

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -99.245+/-2232.649 χ^2/NDF:1.0/2

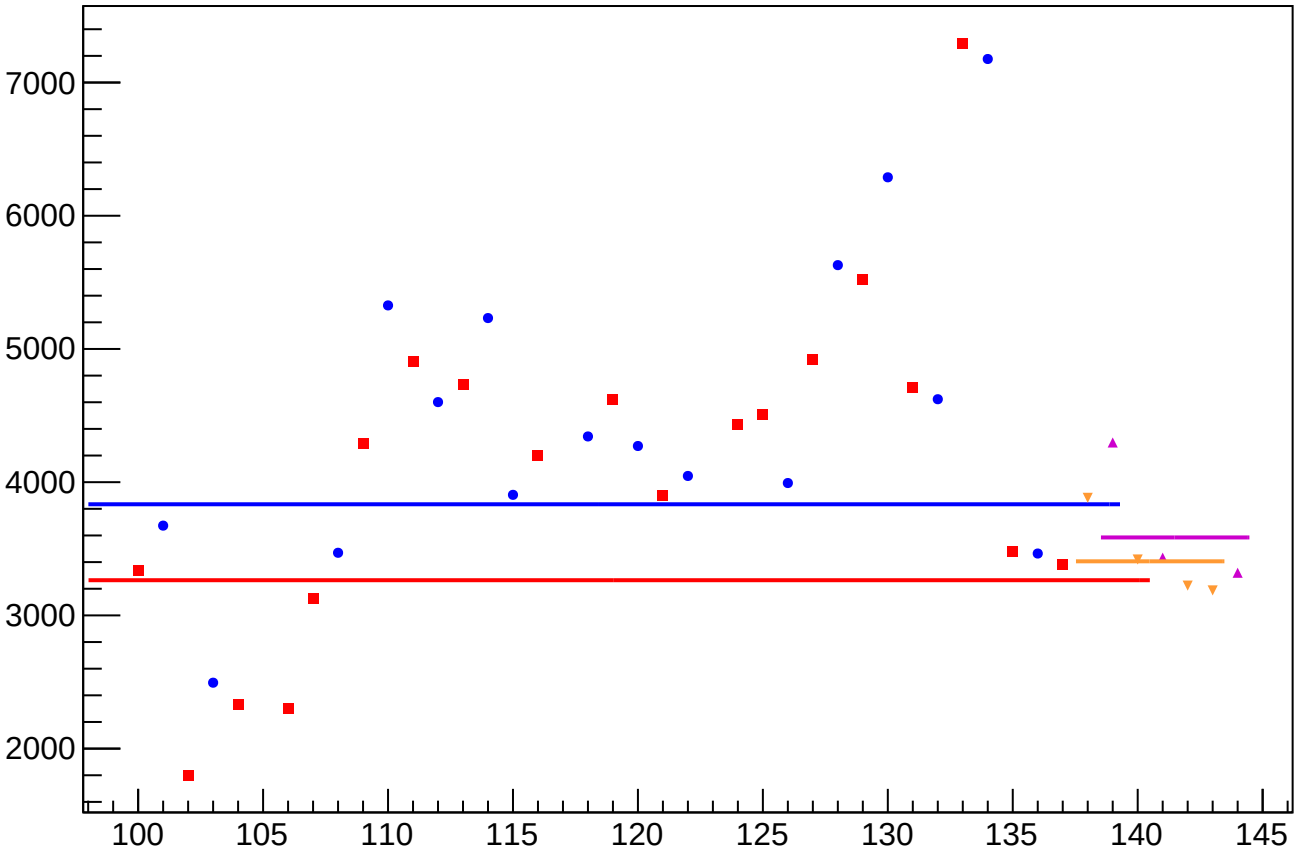
Left: -1531.999+/-1499.446 χ^2/NDF: 2.1/6

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 742.979+/-1233.155 χ^2/NDF:14.6/18

Out: -185.846+/-1098.069 χ^2/NDF:18.1/22

All: 224.925+/-820.069 χ^2/NDF: 33.1/41



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3405.946+/-1.431 χ^2/NDF:33444.2/3

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3585.127+/-1.579 χ^2/NDF:61190.8/2

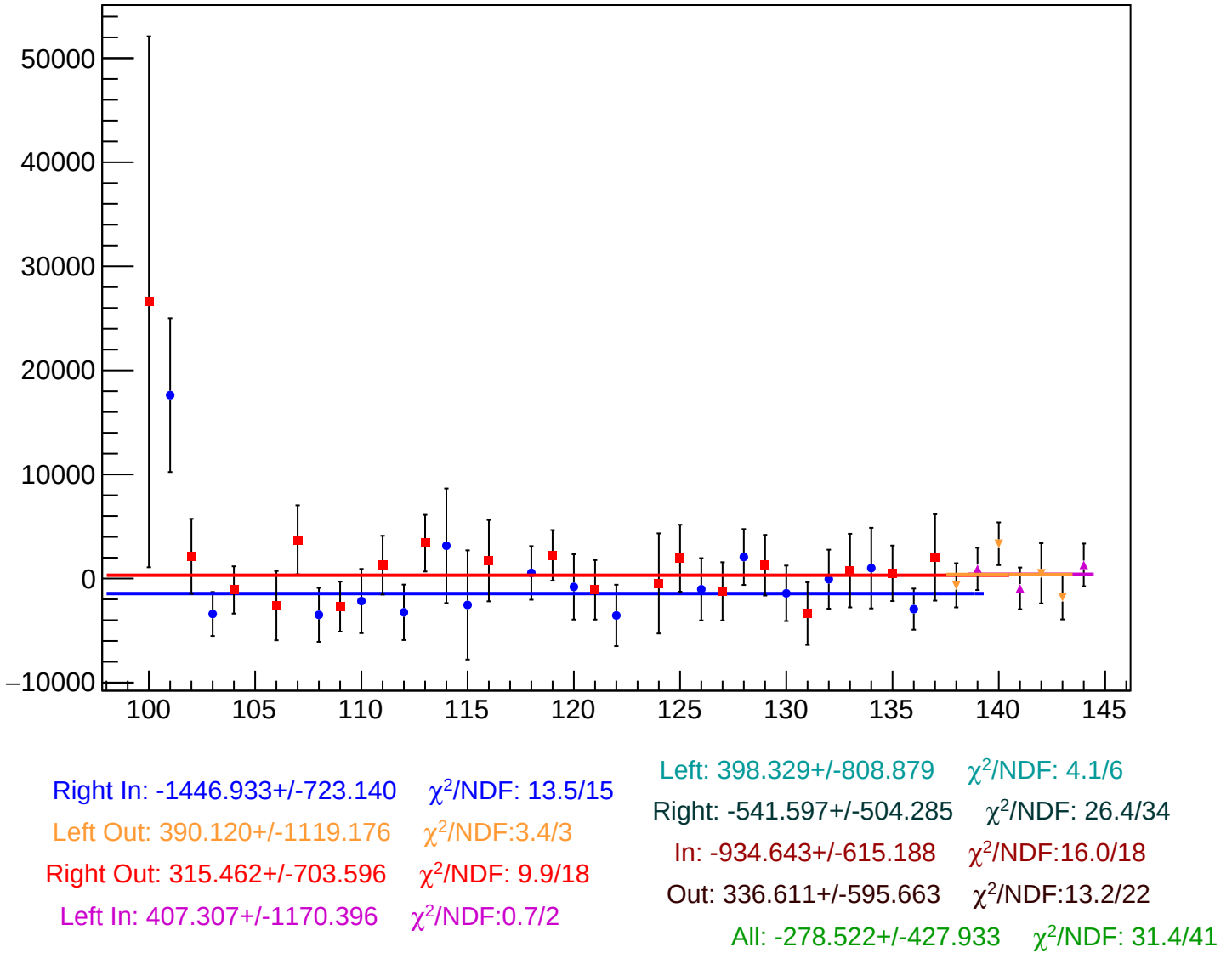
Left: 3486.765+/-1.060 χ^2/NDF: 101706.5/6

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

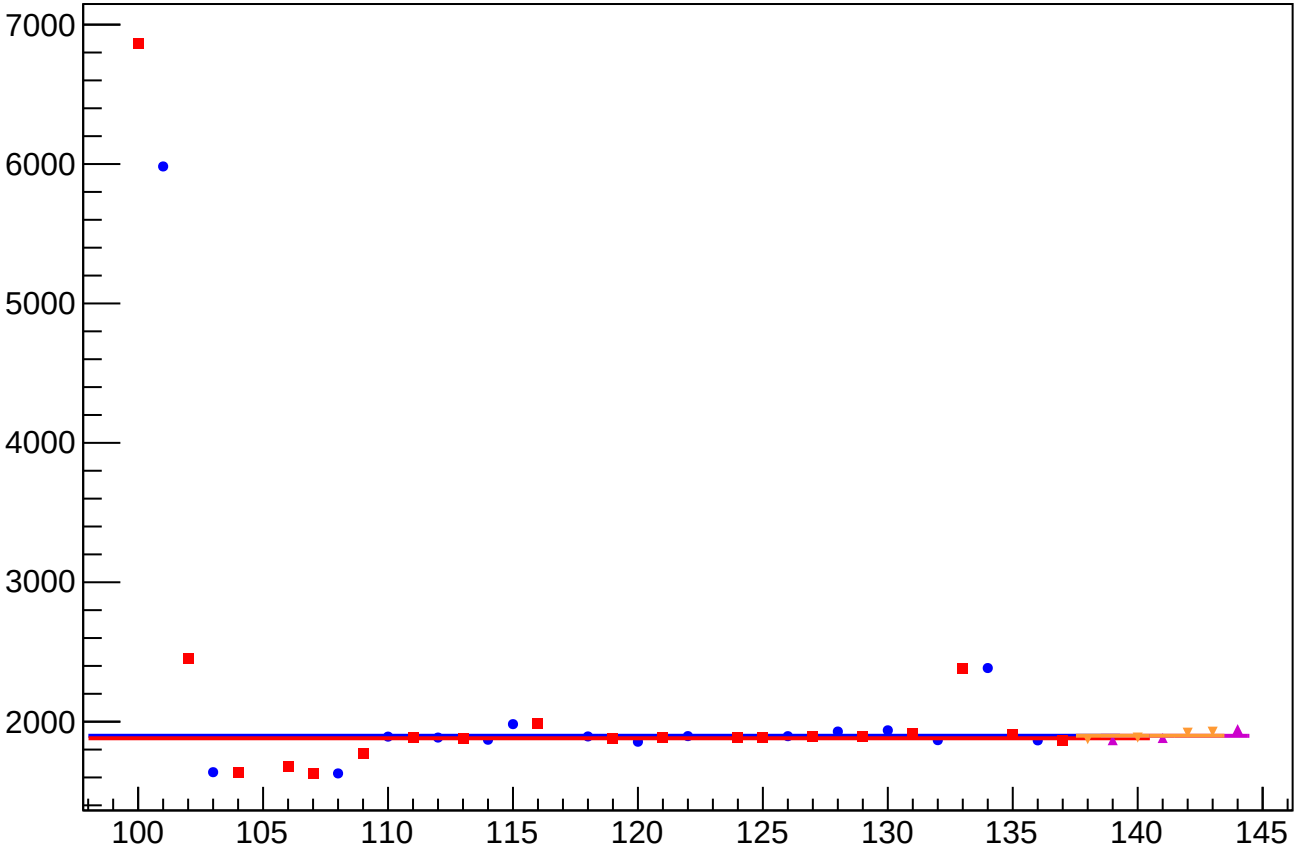
In: 3758.191+/-0.872 χ^2/NDF:1035259.0/18

Out: 3305.866+/-0.776 χ^2/NDF:1904617.2/22

All: 3505.906+/-0.580 χ^2/NDF: 3089961.1/41


cor_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1446.933+/-723.140 χ²/NDF: 13.5/15
Left Out: 390.120+/-1119.176 χ²/NDF:3.4/3
Right Out: 315.462+/-703.596 χ²/NDF: 9.9/18
Left In: 407.307+/-1170.396 χ²/NDF:0.7/2
Left: 398.329+/-808.879 χ²/NDF: 4.1/6
Right: -541.597+/-504.285 χ²/NDF: 26.4/34
In: -934.643+/-615.188 χ²/NDF:16.0/18
Out: 336.611+/-595.663 χ²/NDF:13.2/22
All: -278.522+/-427.933 χ²/NDF: 31.4/41

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

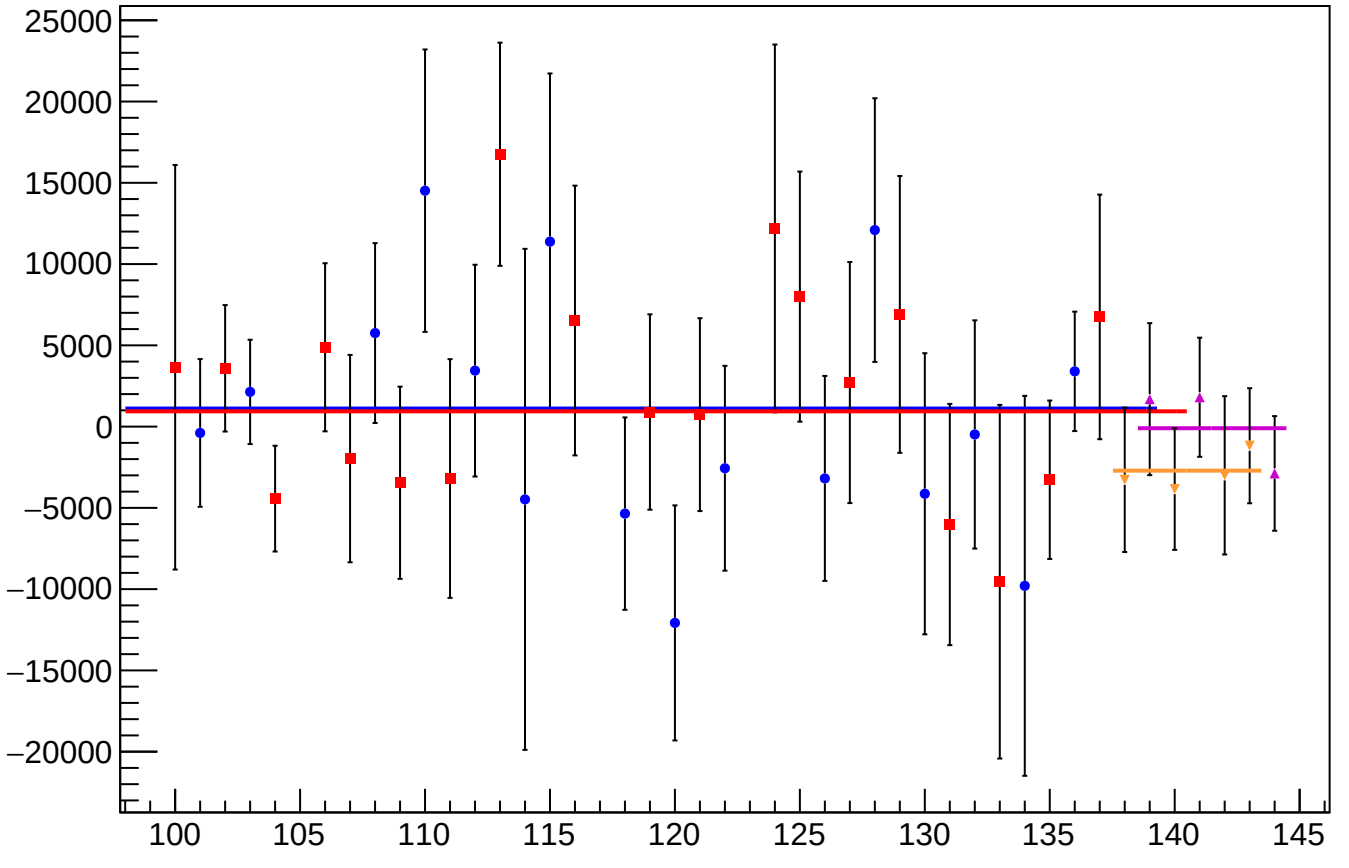
Left: 1899.050+/-0.572 χ^2/NDF: 2535.0/6

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1898.744+/-0.435 χ^2/NDF:699208.6/18

Out: 1886.241+/-0.421 χ^2/NDF:217797.3/22

All: 1892.284+/-0.302 χ^2/NDF: 917432.8/41



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -99.457+/-2232.639 χ^2/NDF:1.0/2

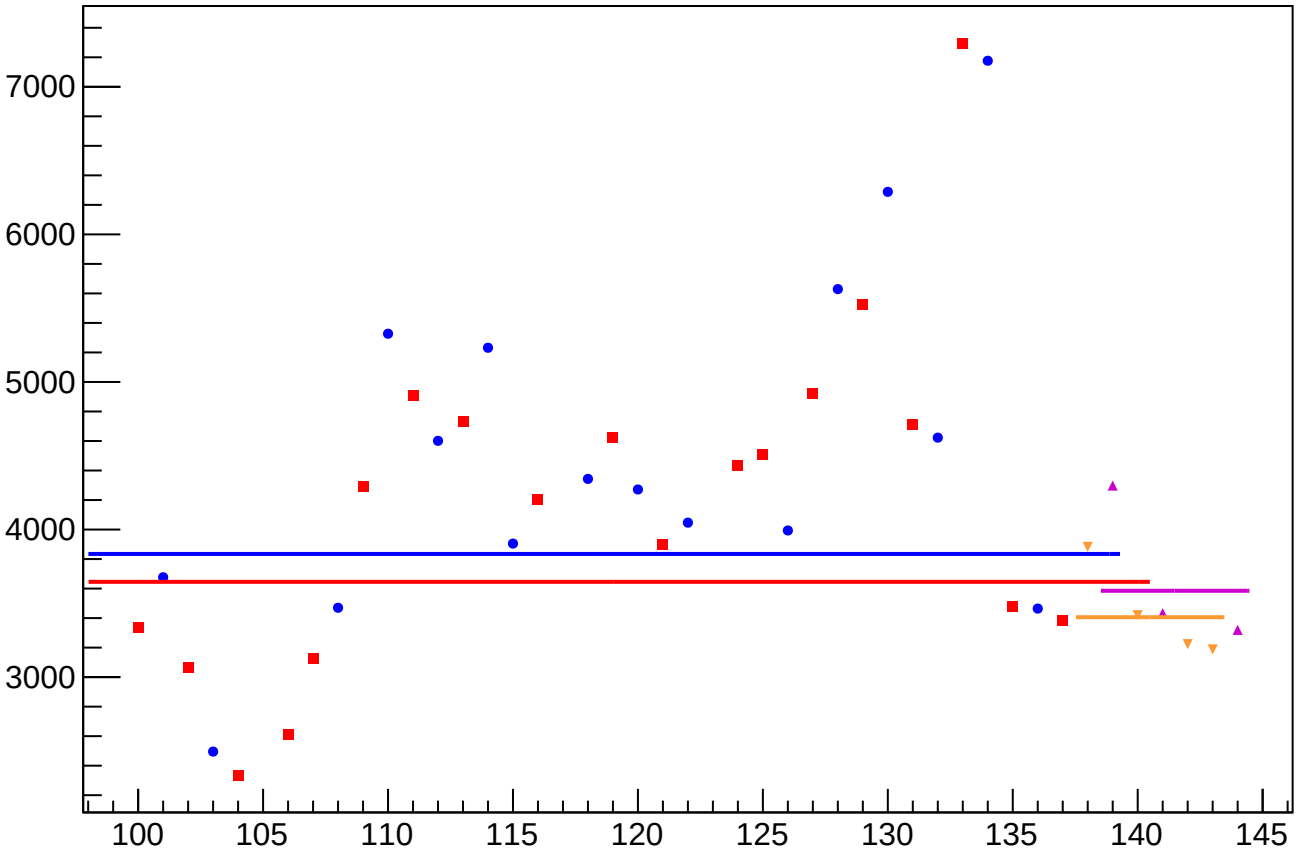
Left: -1531.903+/-1499.440 χ^2/NDF: 2.1/6

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 742.038+/-1233.253 χ^2/NDF:14.6/18

Out: -239.379+/-1150.794 χ^2/NDF:18.7/22

All: 217.425+/-841.376 χ^2/NDF: 33.6/41



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3585.112+/-1.579 χ^2/NDF:61191.0/2

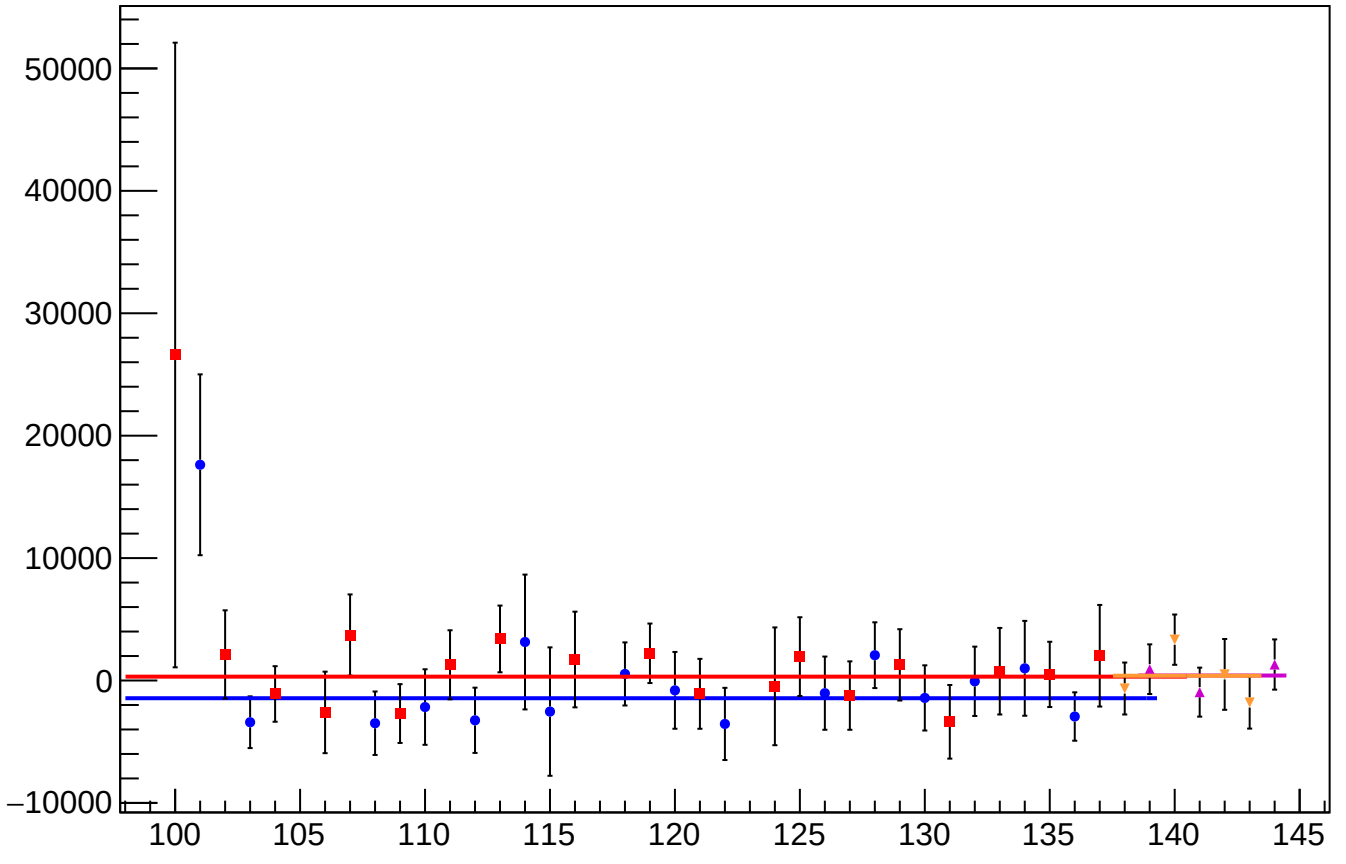
Left: 3486.752+/-1.060 χ^2/NDF: 101708.5/6

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3758.539+/-0.872 χ^2/NDF:1034869.9/18

Out: 3568.165+/-0.814 χ^2/NDF:1177421.1/22

All: 3656.775+/-0.595 χ^2/NDF: 2237766.8/41



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 390.120+/-1119.176 χ^2/NDF:3.4/3

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 407.307+/-1170.396 χ^2/NDF:0.7/2

Left: 398.329+/-808.879 χ^2/NDF: 4.1/6

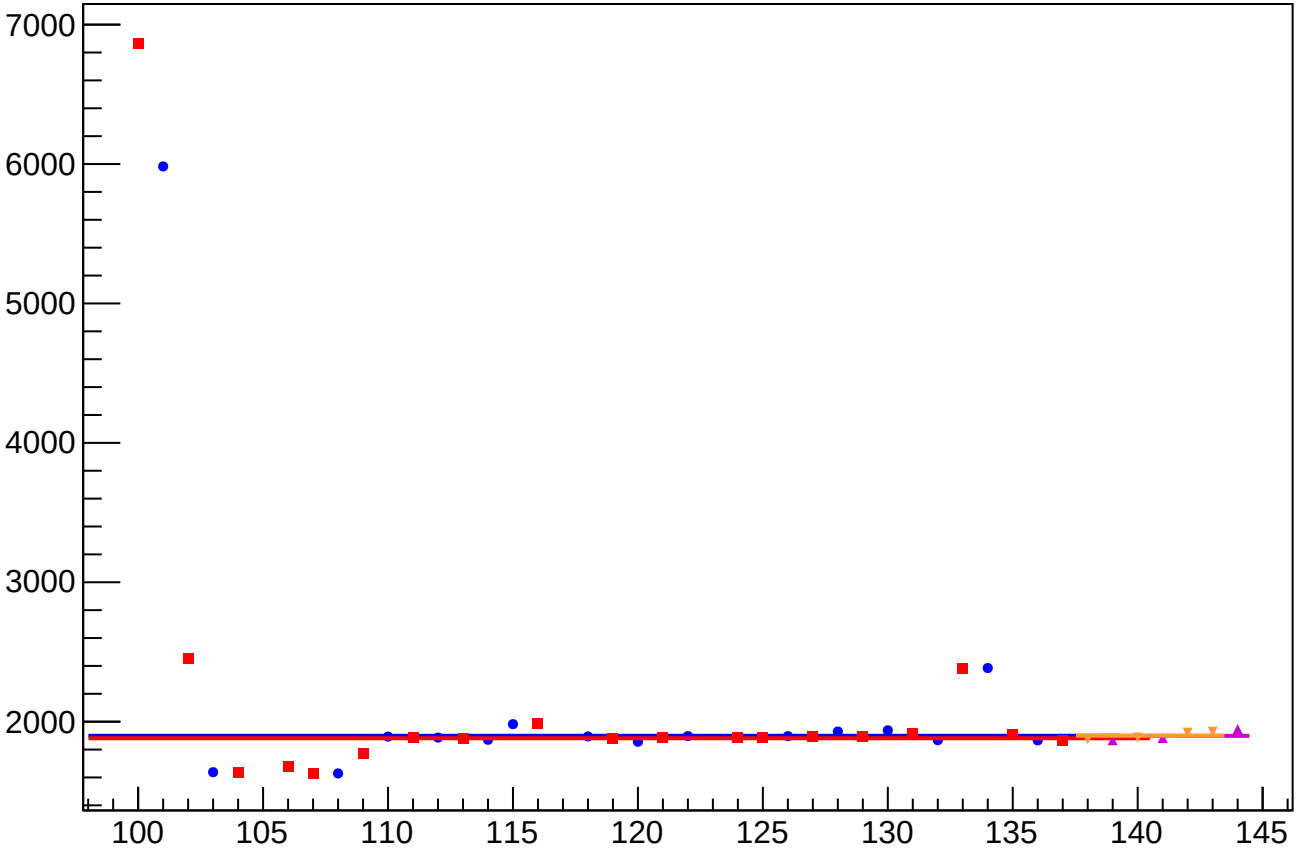
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -934.643+/-615.188 χ^2/NDF:16.0/18

Out: 336.611+/-595.663 χ^2/NDF:13.2/22

All: -278.522+/-427.933 χ^2/NDF: 31.4/41

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1898.531+/-0.828 χ^2/NDF:1694.1/2

Left: 1899.050+/-0.572 χ^2/NDF: 2535.0/6

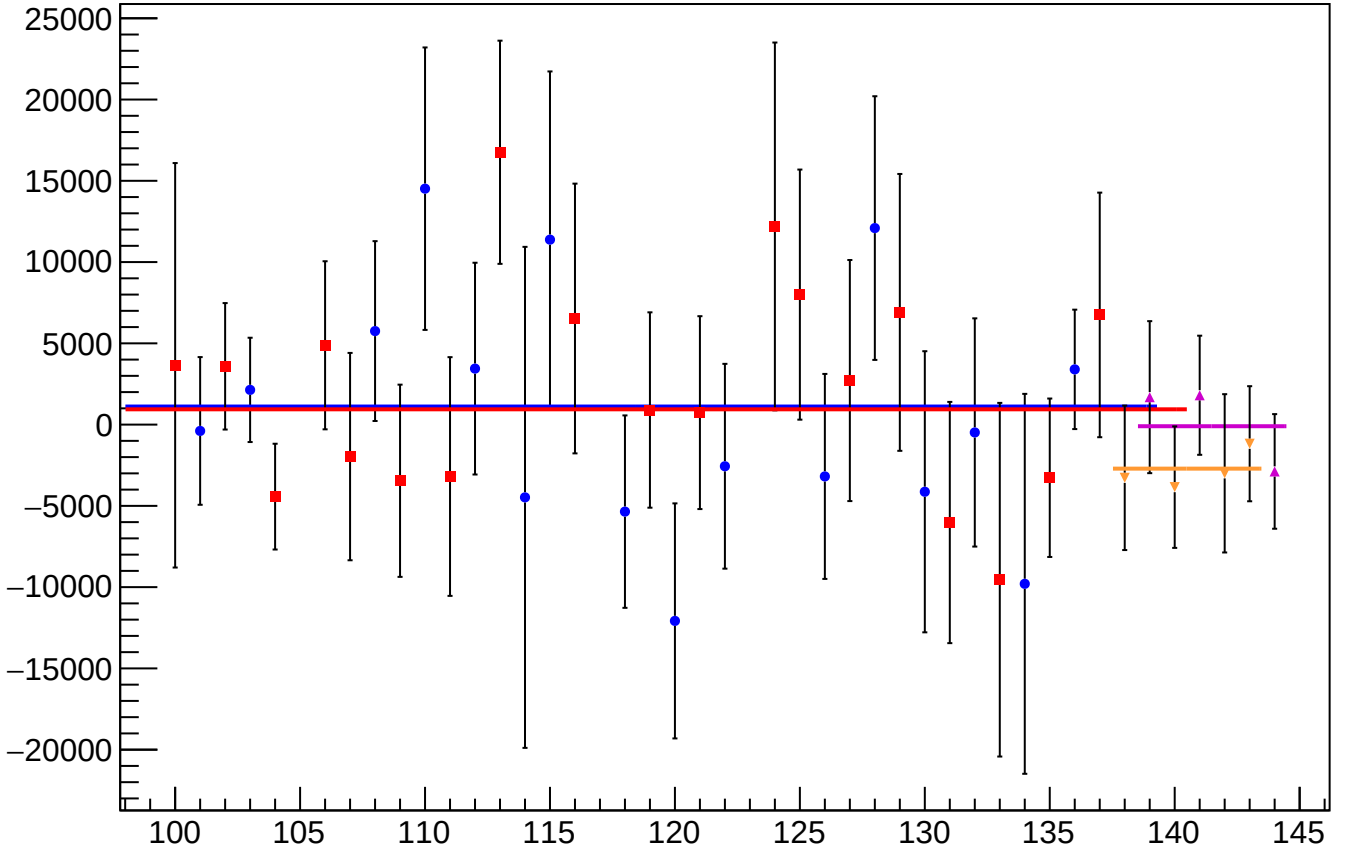
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1898.744+/-0.435 χ^2/NDF:699208.6/18

Out: 1886.241+/-0.421 χ^2/NDF:217797.3/22

All: 1892.284+/-0.302 χ^2/NDF: 917432.8/41

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -99.457+/-2232.639 χ^2/NDF:1.0/2

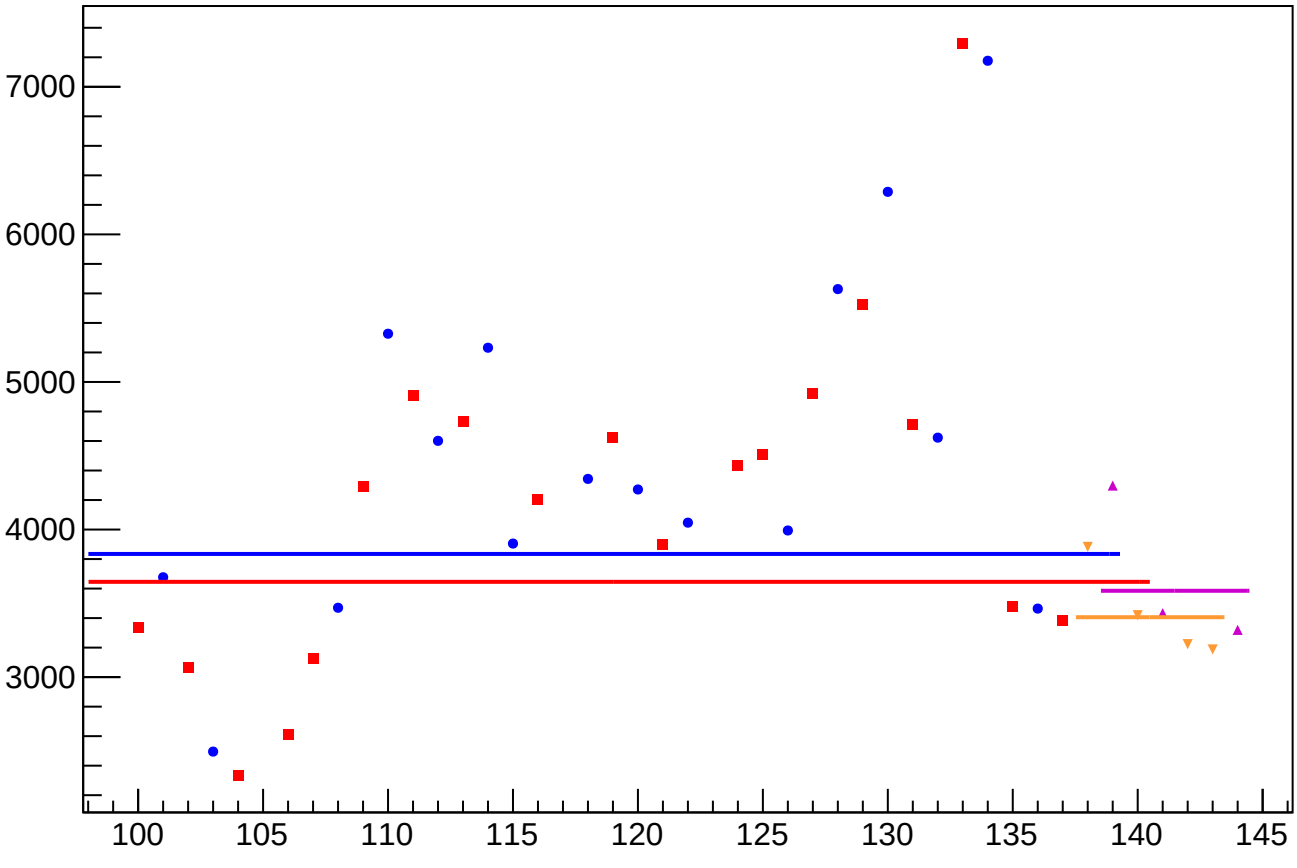
Left: -1531.903+/-1499.440 χ^2/NDF: 2.1/6

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 742.038+/-1233.253 χ^2/NDF:14.6/18

Out: -239.379+/-1150.794 χ^2/NDF:18.7/22

All: 217.425+/-841.376 χ^2/NDF: 33.6/41



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3585.112+/-1.579 χ^2/NDF:61191.0/2

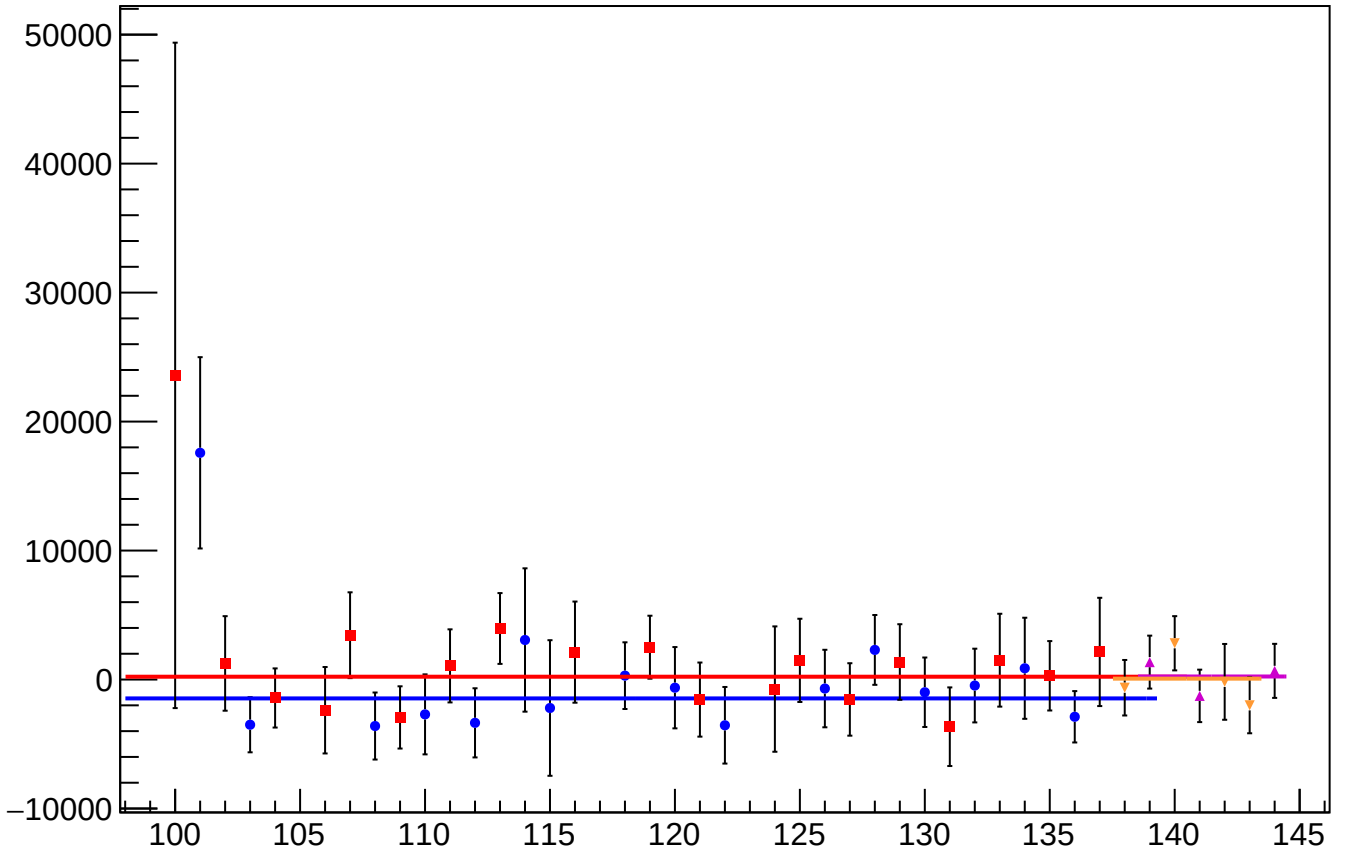
Left: 3486.752+/-1.060 χ^2/NDF: 101708.5/6

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3758.539+/-0.872 χ^2/NDF:1034869.9/18

Out: 3568.165+/-0.814 χ^2/NDF:1177421.1/22

All: 3656.775+/-0.595 χ^2/NDF: 2237766.8/41



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.315+/-1138.949 χ^2/NDF:2.7/3

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 236.867+/-1189.259 χ^2/NDF:0.9/2

Left: 149.472+/-822.569 χ^2/NDF: 3.6/6

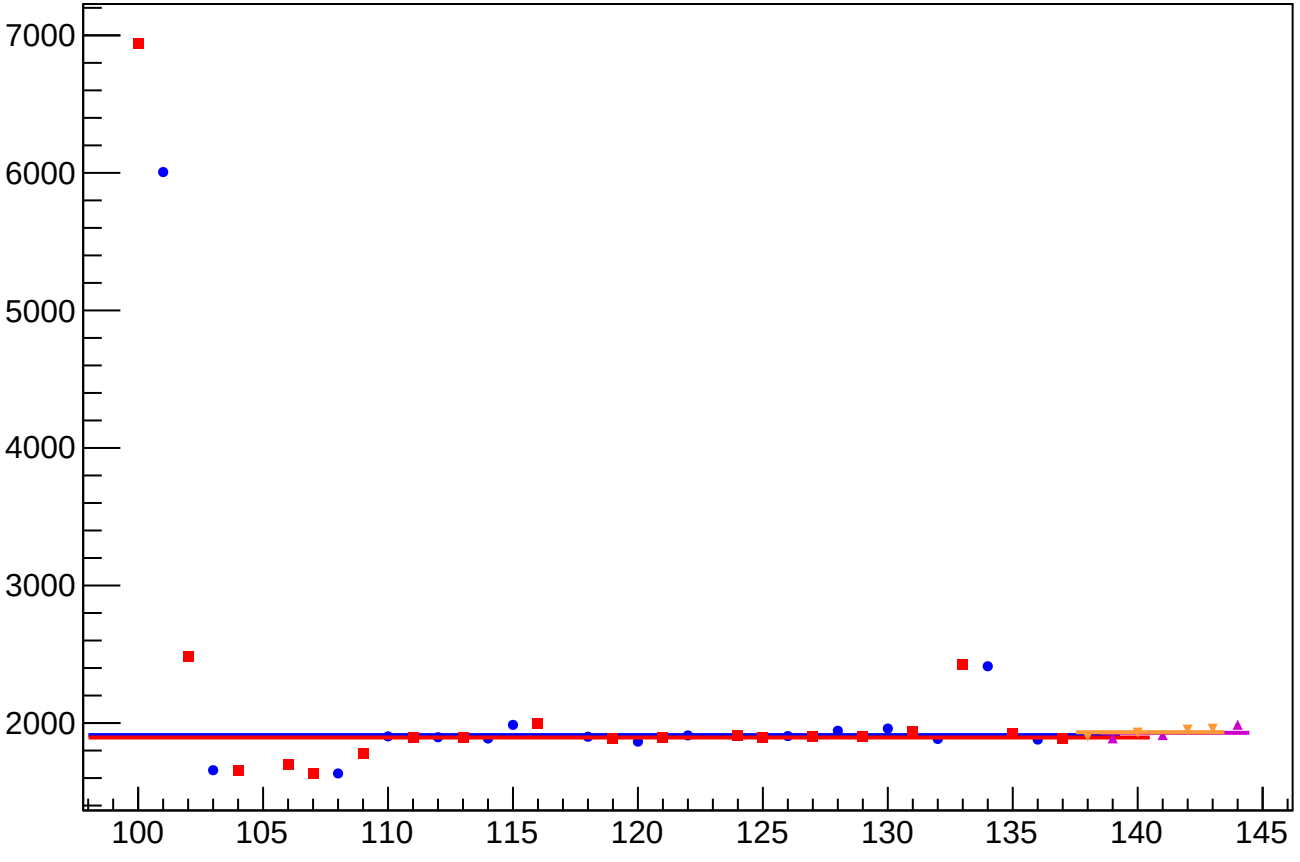
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -999.134+/-621.073 χ^2/NDF:15.9/18

Out: 177.731+/-601.814 χ^2/NDF:13.5/22

All: -392.172+/-432.195 χ^2/NDF: 31.3/41

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1933.006+/-0.805 χ^2/NDF:819.6/3

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1928.955+/-0.841 χ^2/NDF:2471.6/2

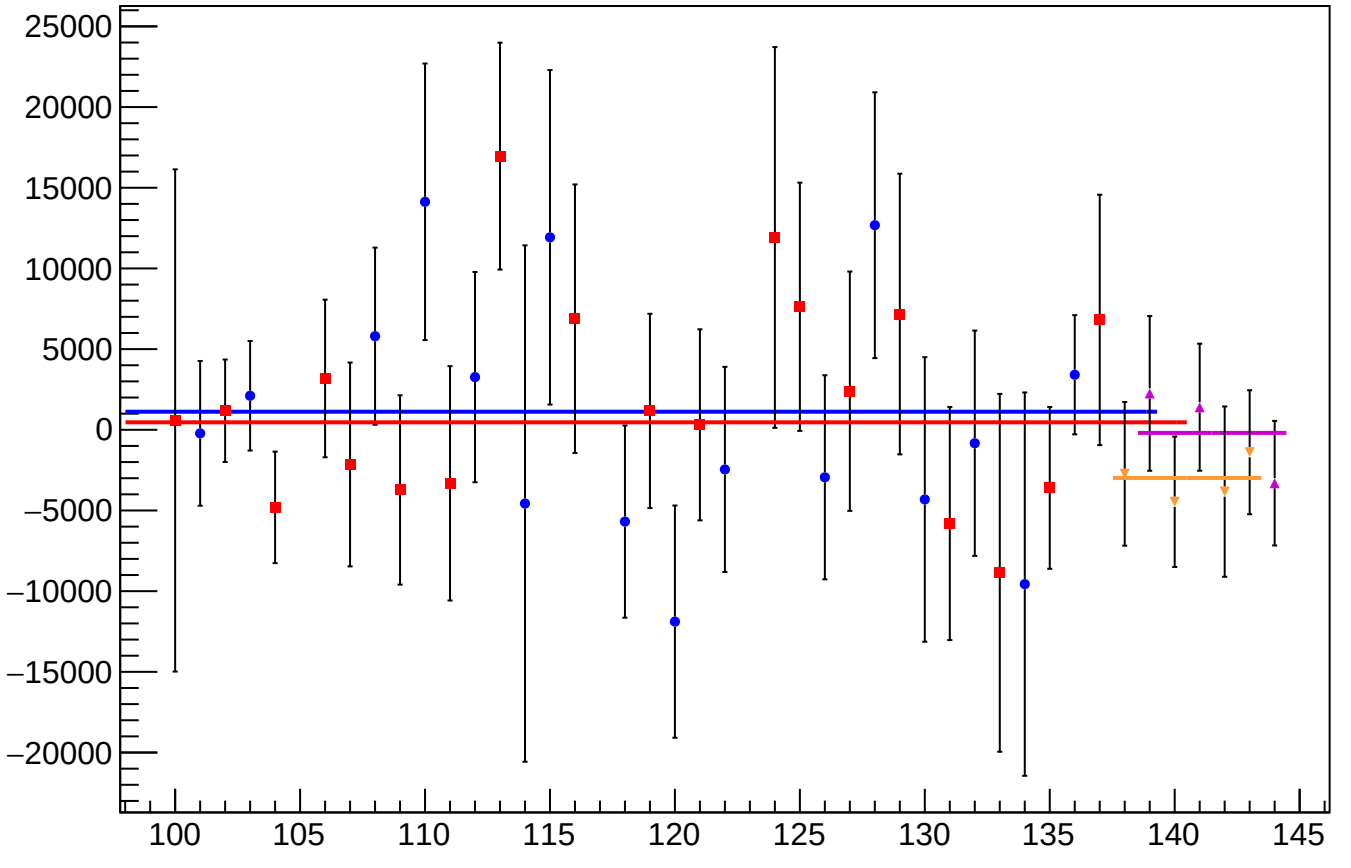
Left: 1931.068+/-0.582 χ^2/NDF: 3303.3/6

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1916.899+/-0.439 χ^2/NDF:698974.4/18

Out: 1905.426+/-0.425 χ^2/NDF:222227.2/22

All: 1910.977+/-0.305 χ^2/NDF: 921553.9/41



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2983.883+/-2155.319 χ^2/NDF:0.3/3

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -192.523+/-2388.888 χ^2/NDF:1.1/2

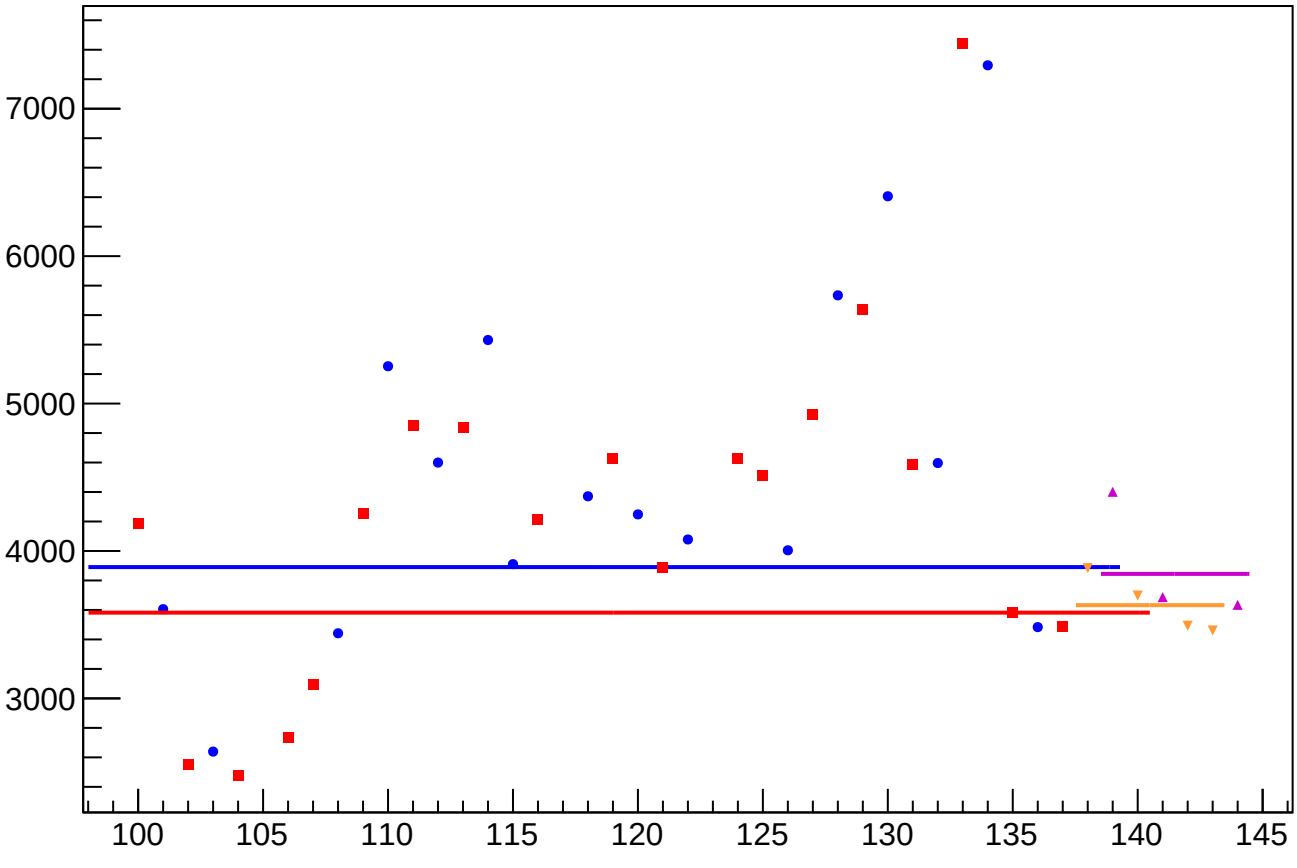
Left: -1731.299+/-1600.263 χ^2/NDF: 2.2/6

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 749.799+/-1268.919 χ^2/NDF:14.7/18

Out: -528.767+/-1156.688 χ^2/NDF:17.2/22

All: 51.484+/-854.831 χ^2/NDF: 32.5/41



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3632.464+/-1.524 χ^2/NDF:12278.8/3

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3844.640+/-1.689 χ^2/NDF:36112.9/2

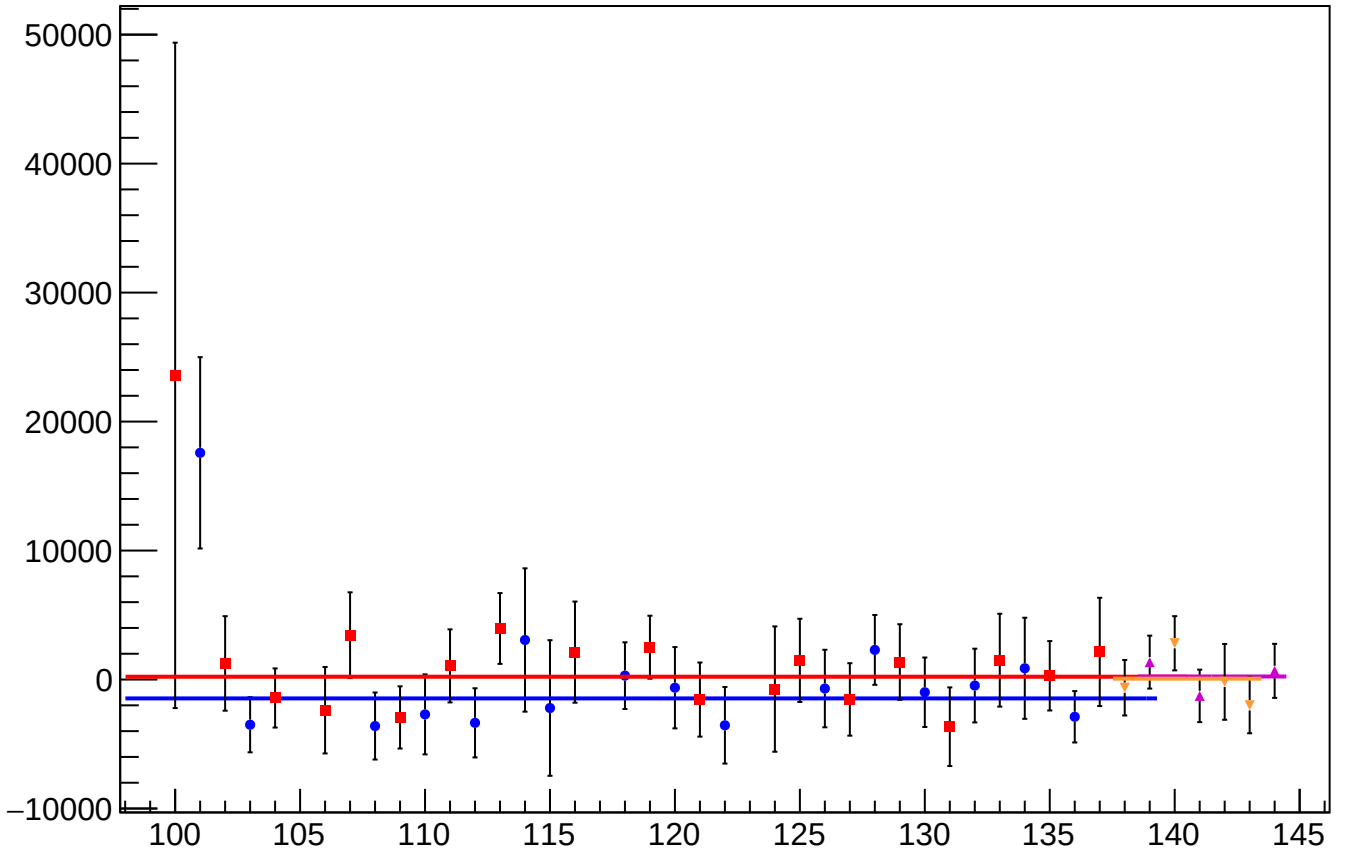
Left: 3727.675+/-1.132 χ^2/NDF: 57089.2/6

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3877.710+/-0.897 χ^2/NDF:915065.0/18

Out: 3596.378+/-0.818 χ^2/NDF:1234921.5/22

All: 3724.055+/-0.604 χ^2/NDF: 2203681.0/41



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.316+/-1138.950 χ^2/NDF:2.7/3

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 236.876+/-1189.259 χ^2/NDF:0.9/2

Left: 149.477+/-822.570 χ^2/NDF: 3.6/6

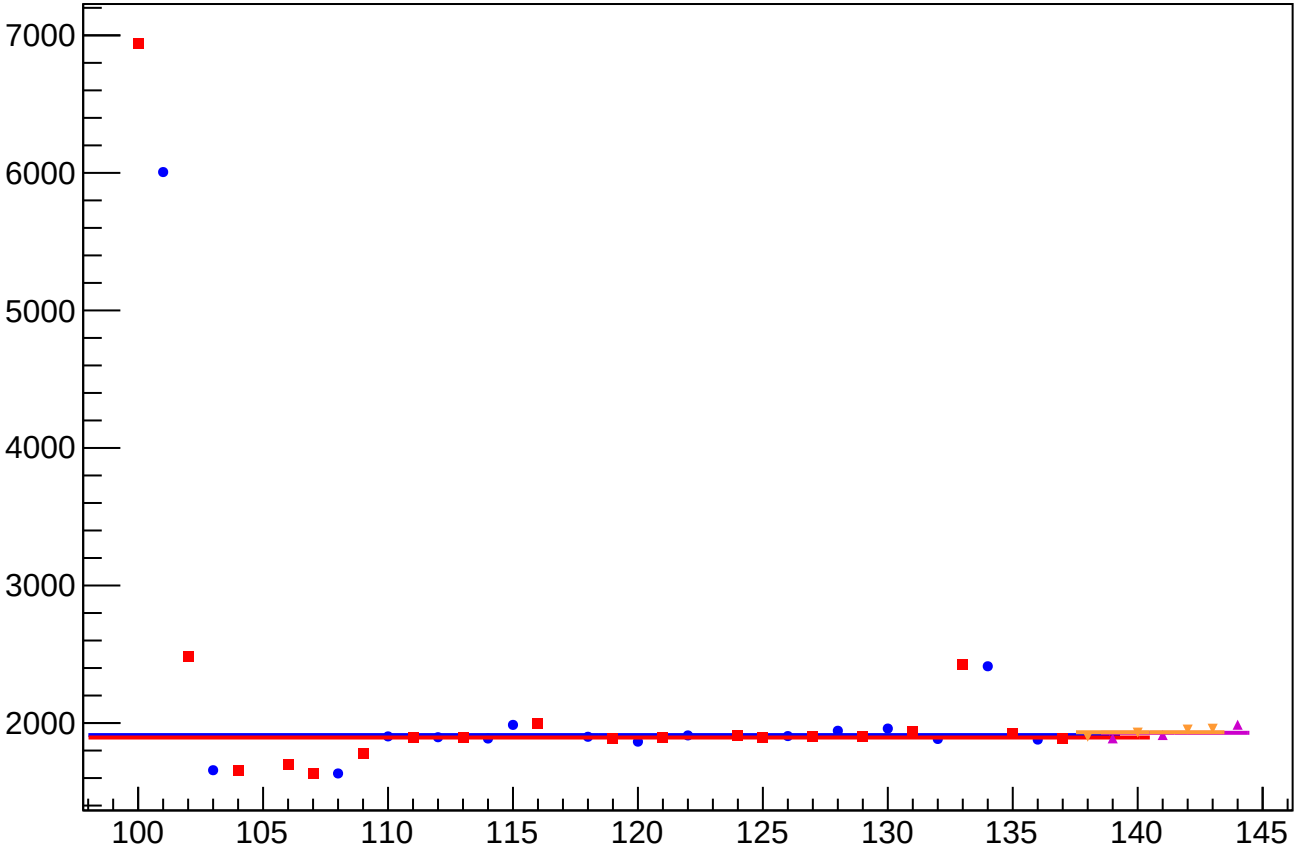
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -999.135+/-621.073 χ^2/NDF:15.9/18

Out: 177.727+/-601.814 χ^2/NDF:13.5/22

All: -392.175+/-432.195 χ^2/NDF: 31.3/41

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1933.007+/-0.805 χ^2/NDF:819.7/3

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1928.955+/-0.841 χ^2/NDF:2471.6/2

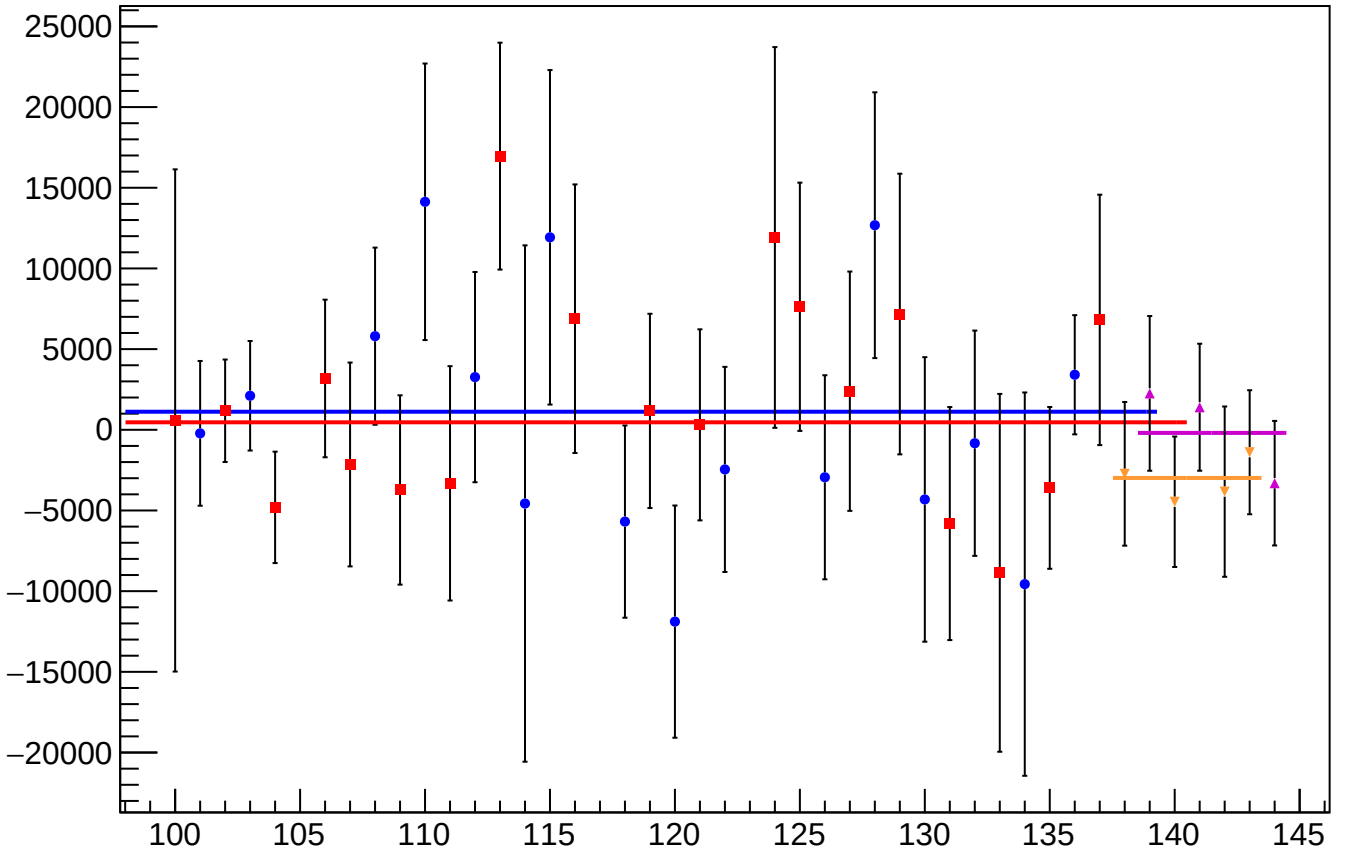
Left: 1931.068+/-0.582 χ^2/NDF: 3303.3/6

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1916.899+/-0.439 χ^2/NDF:698974.3/18

Out: 1905.426+/-0.425 χ^2/NDF:222227.3/22

All: 1910.977+/-0.305 χ^2/NDF: 921553.9/41



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2983.886+/-2155.322 χ^2/NDF:0.3/3

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -192.514+/-2388.890 χ^2/NDF:1.1/2

Left: -1731.296+/-1600.264 χ^2/NDF: 2.2/6

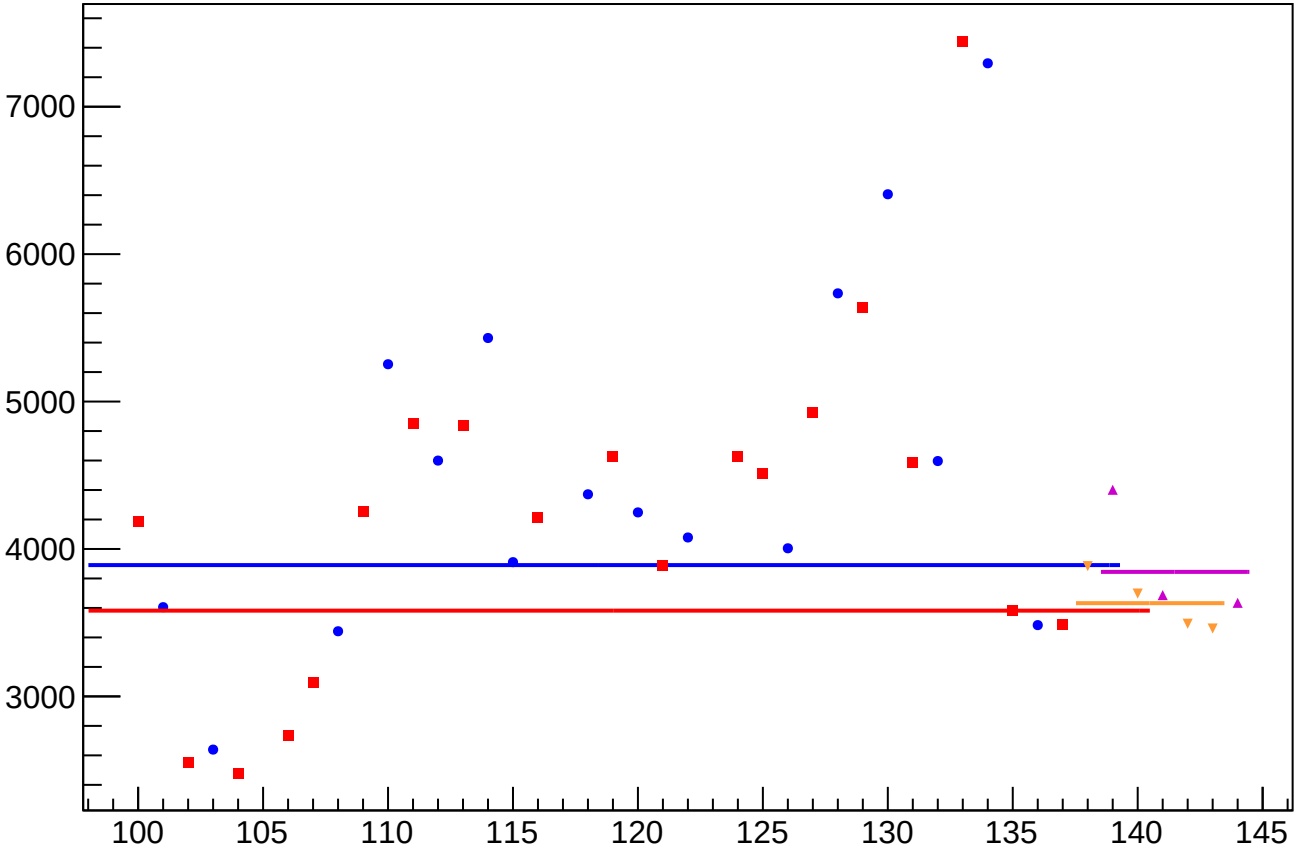
Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 749.793+/-1268.918 χ^2/NDF:14.7/18

Out: -528.765+/-1156.688 χ^2/NDF:17.2/22

All: 51.482+/-854.831 χ^2/NDF: 32.5/41

asym_atr_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3632.468+/-1.524 χ^2/NDF:12278.8/3

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3844.643+/-1.689 χ^2/NDF:36113.8/2

Left: 3727.679+/-1.132 χ^2/NDF: 57089.9/6

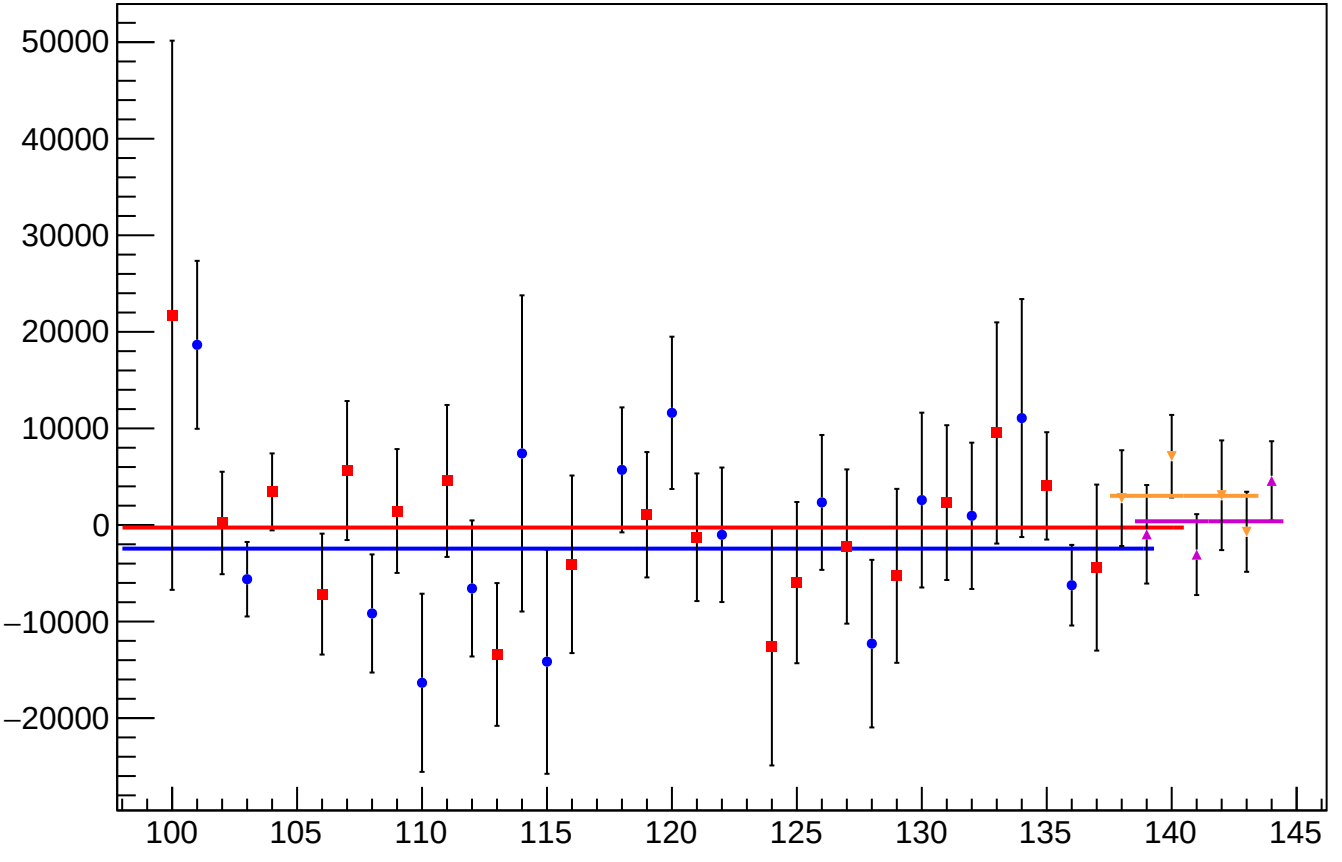
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3877.709+/-0.897 χ^2/NDF:915056.8/18

Out: 3596.377+/-0.818 χ^2/NDF:1234913.1/22

All: 3724.054+/-0.604 χ^2/NDF: 2203664.4/41

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3018.718+/-2327.768 χ^2/NDF:1.7/3

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 381.530+/-2541.834 χ^2/NDF:1.8/2

Left: 1815.830+/-1716.679 χ^2/NDF: 4.1/6

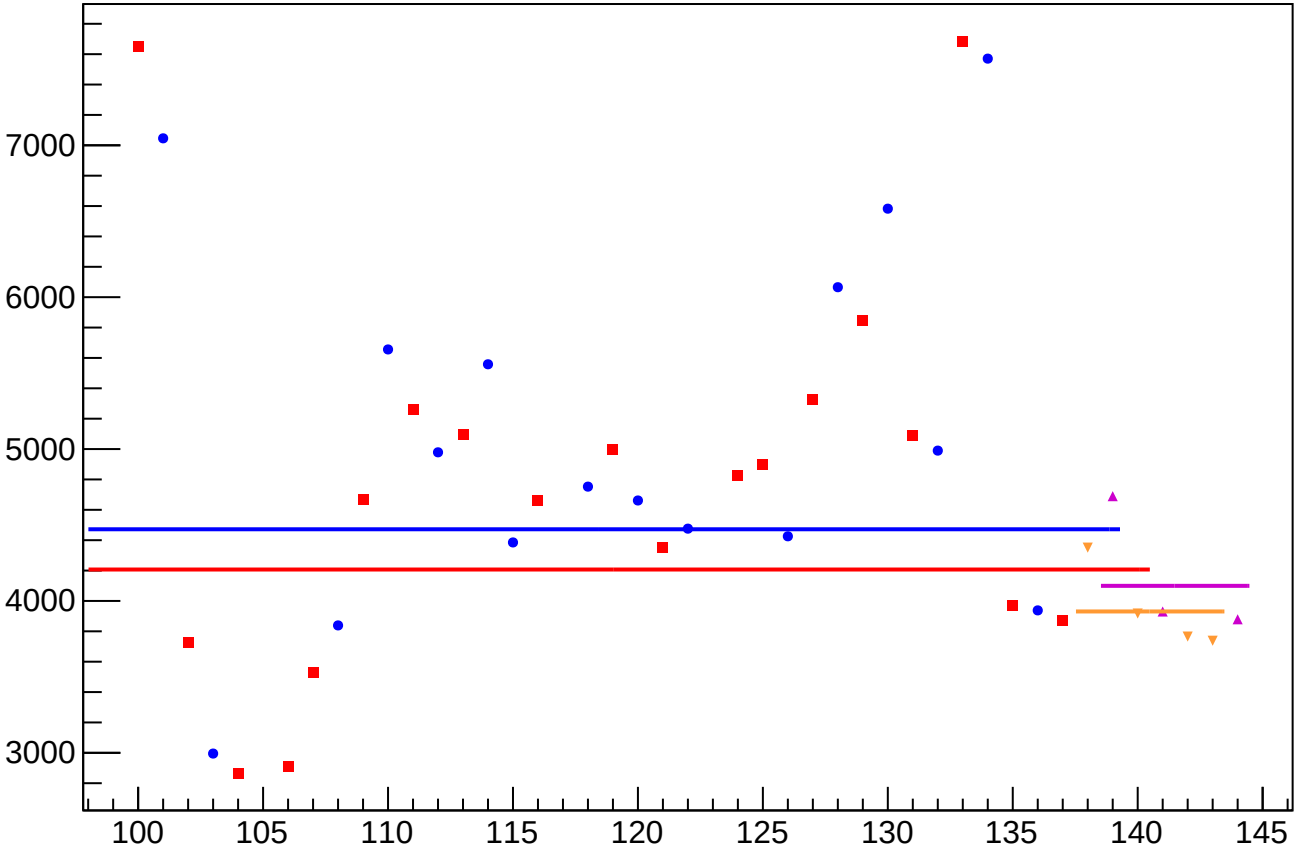
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1559.704+/-1424.337 χ^2/NDF:23.5/18

Out: 808.174+/-1331.106 χ^2/NDF:13.8/22

All: -295.738+/-972.524 χ^2/NDF: 38.7/41

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3930.752+/-1.646 χ^2/NDF:20398.4/3

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4099.436+/-1.797 χ^2/NDF:35793.7/2

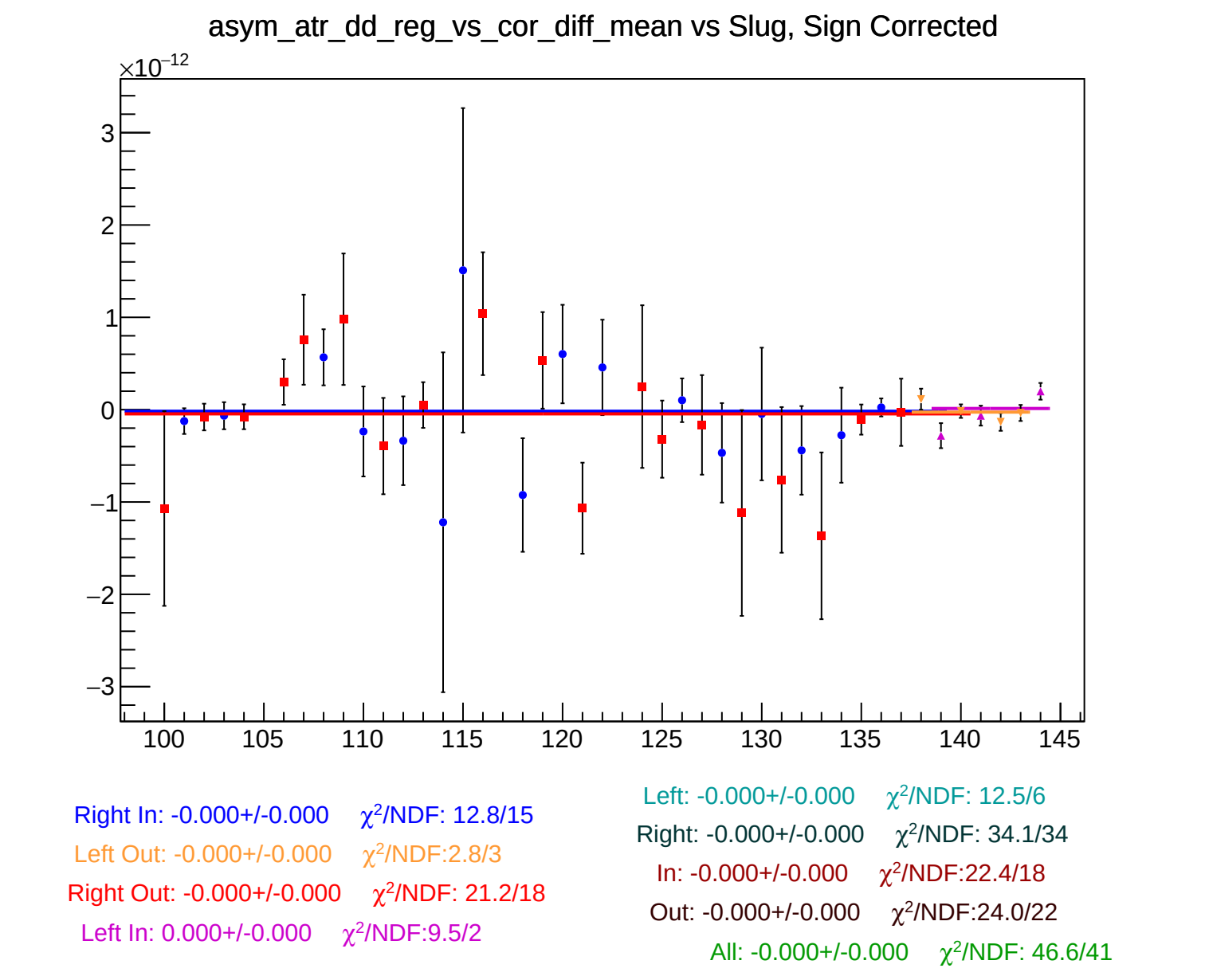
Left: 4007.693+/-1.214 χ^2/NDF: 60982.6/6

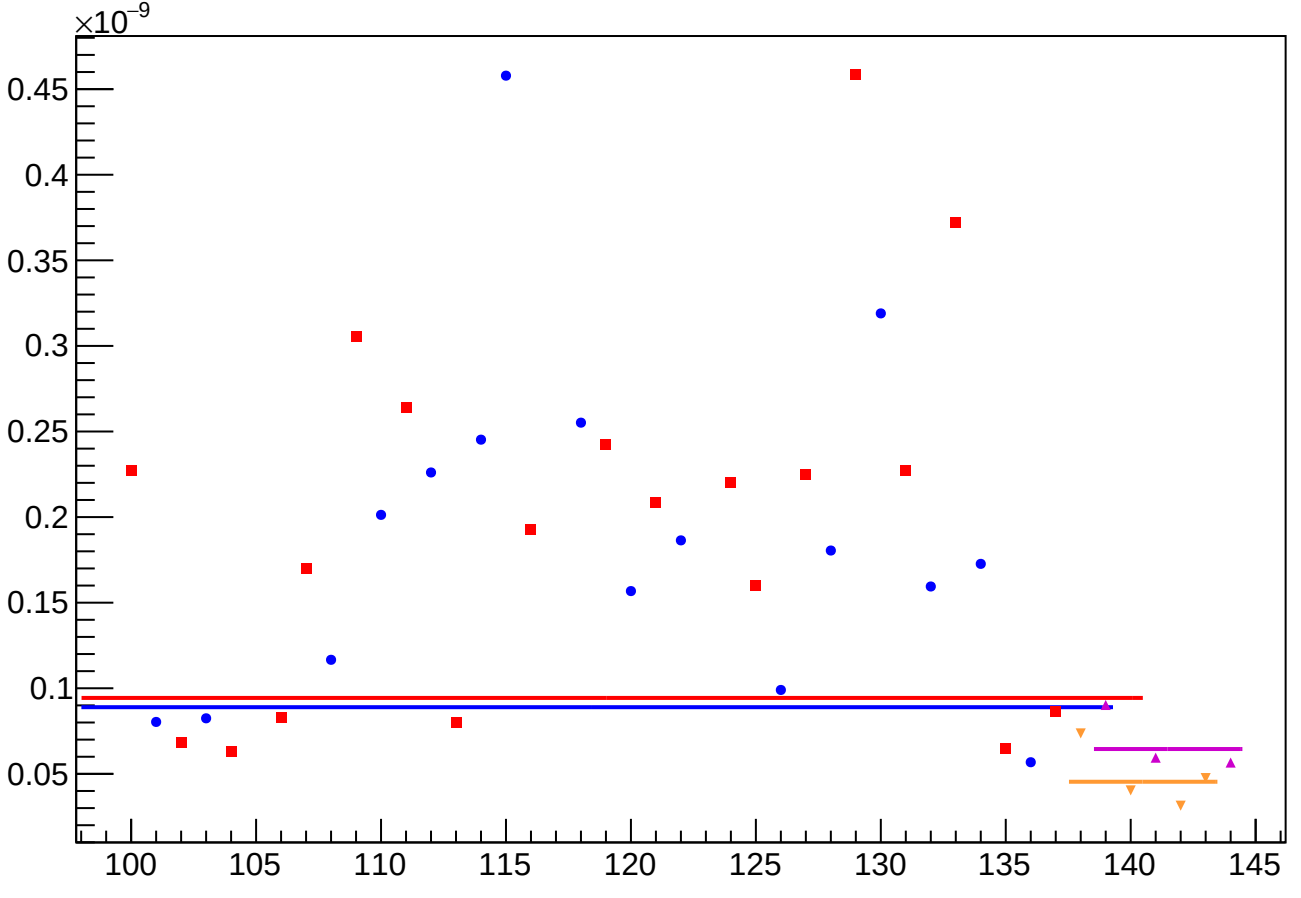
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4354.949+/-1.007 χ^2/NDF:956932.4/18

Out: 4117.598+/-0.936 χ^2/NDF:885968.8/22

All: 4227.599+/-0.686 χ^2/NDF: 1872699.7/41


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.8/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:9.5/2
Left: -0.000+/-0.000 χ²/NDF: 12.5/6
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: -0.000+/-0.000 χ²/NDF:22.4/18
Out: -0.000+/-0.000 χ²/NDF:24.0/22
All: -0.000+/-0.000 χ²/NDF: 46.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:175277.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:91968.4/2

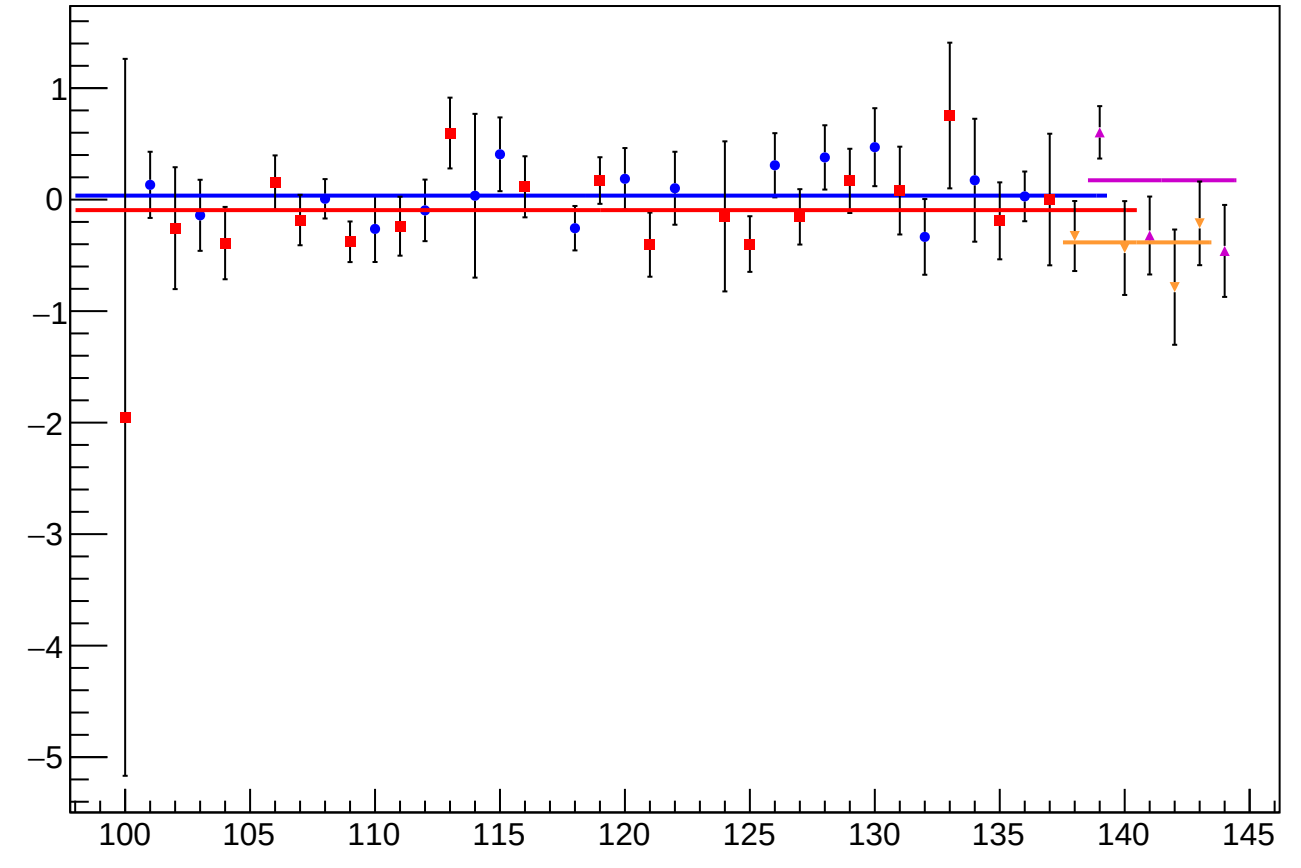
Left: 0.000+/-0.000 χ^2/NDF: 393517.3/6

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1479800.7/18

Out: 0.000+/-0.000 χ^2/NDF:2594251.8/22

All: 0.000+/-0.000 χ^2/NDF: 4243521.8/41



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.173+/-0.176 χ^2/NDF:7.7/2

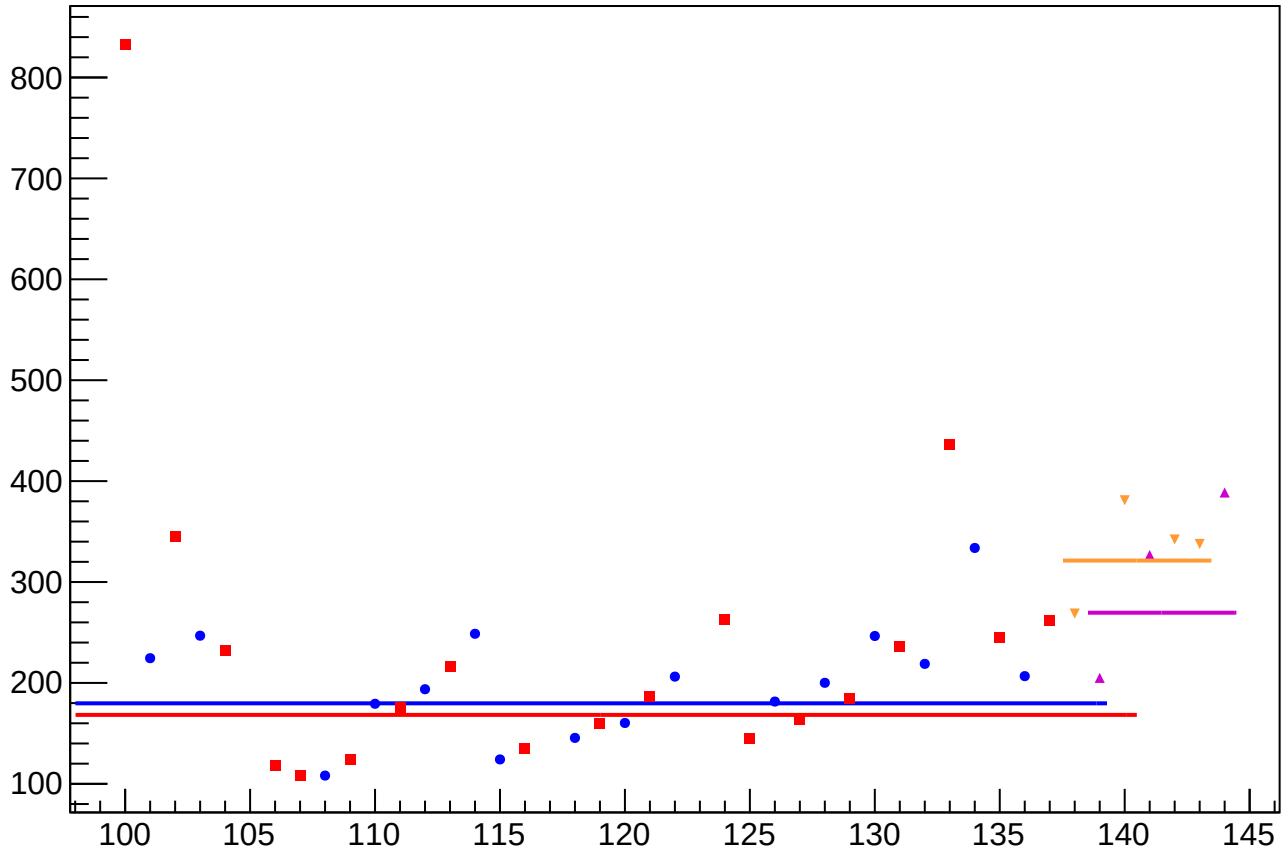
Left: -0.079+/-0.130 χ^2/NDF: 13.1/6

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.055+/-0.066 χ^2/NDF:18.8/18

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.038+/-0.046 χ^2/NDF: 43.1/41



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 269.595+/-0.125 χ^2/NDF:371406.3/2

Left: 293.004+/-0.092 χ^2/NDF: 552548.9/6

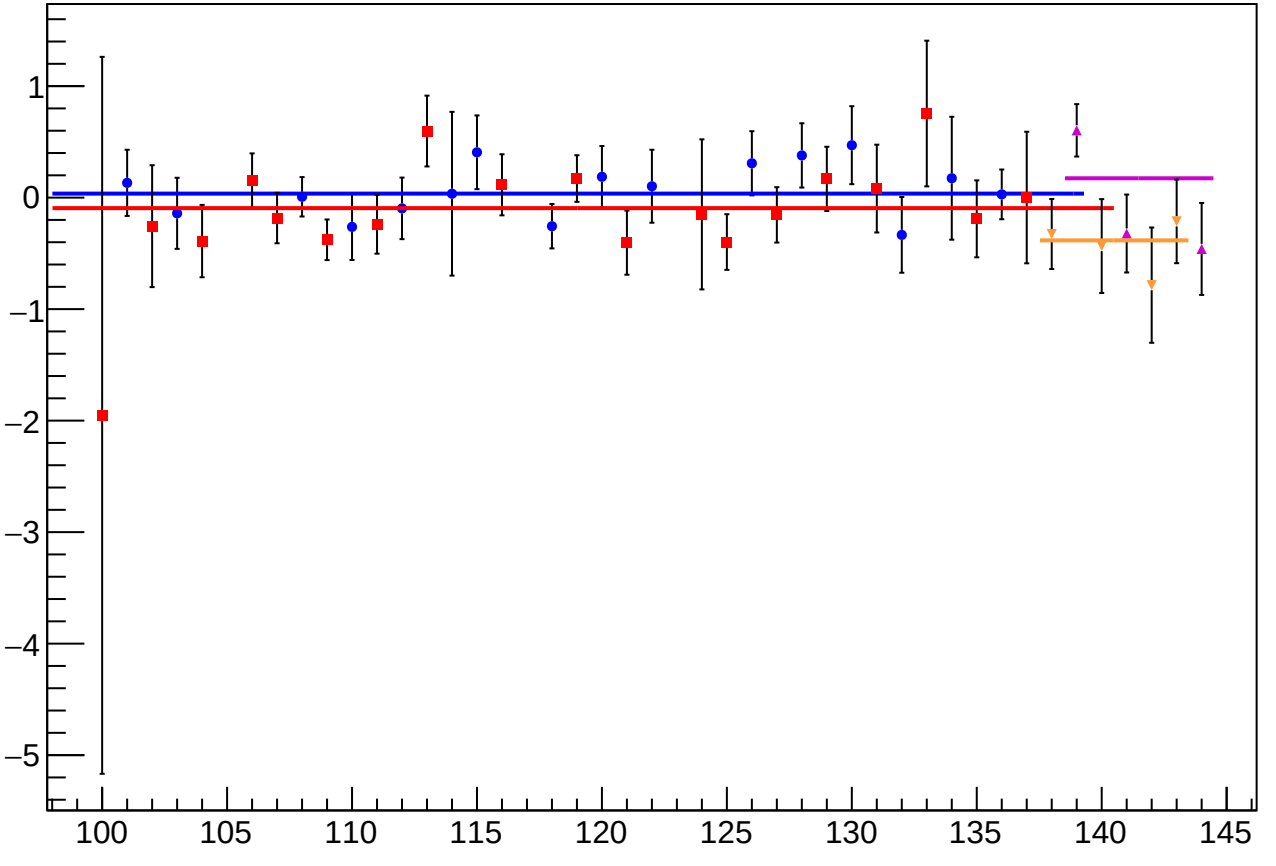
Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 192.196+/-0.046 χ^2/NDF:1737030.3/18

Out: 184.946+/-0.045 χ^2/NDF:2623408.4/22

All: 188.478+/-0.032 χ^2/NDF: 4372998.2/41

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.173+/-0.176 χ^2/NDF:7.7/2

Left: -0.079+/-0.130 χ^2/NDF: 13.1/6

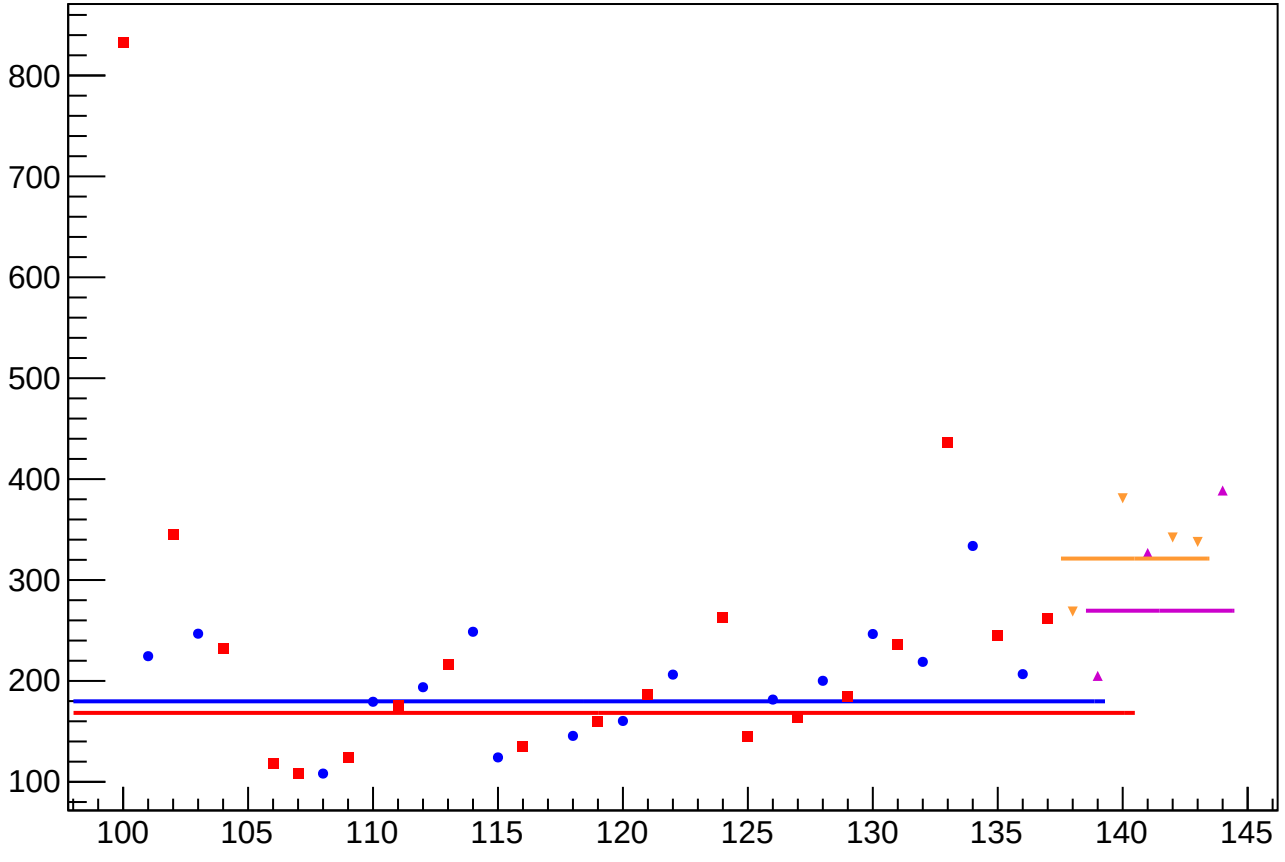
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.055+/-0.066 χ^2/NDF:18.8/18

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.038+/-0.046 χ^2/NDF: 43.1/41

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: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 269.595+/-0.125 χ^2/NDF:371406.3/2

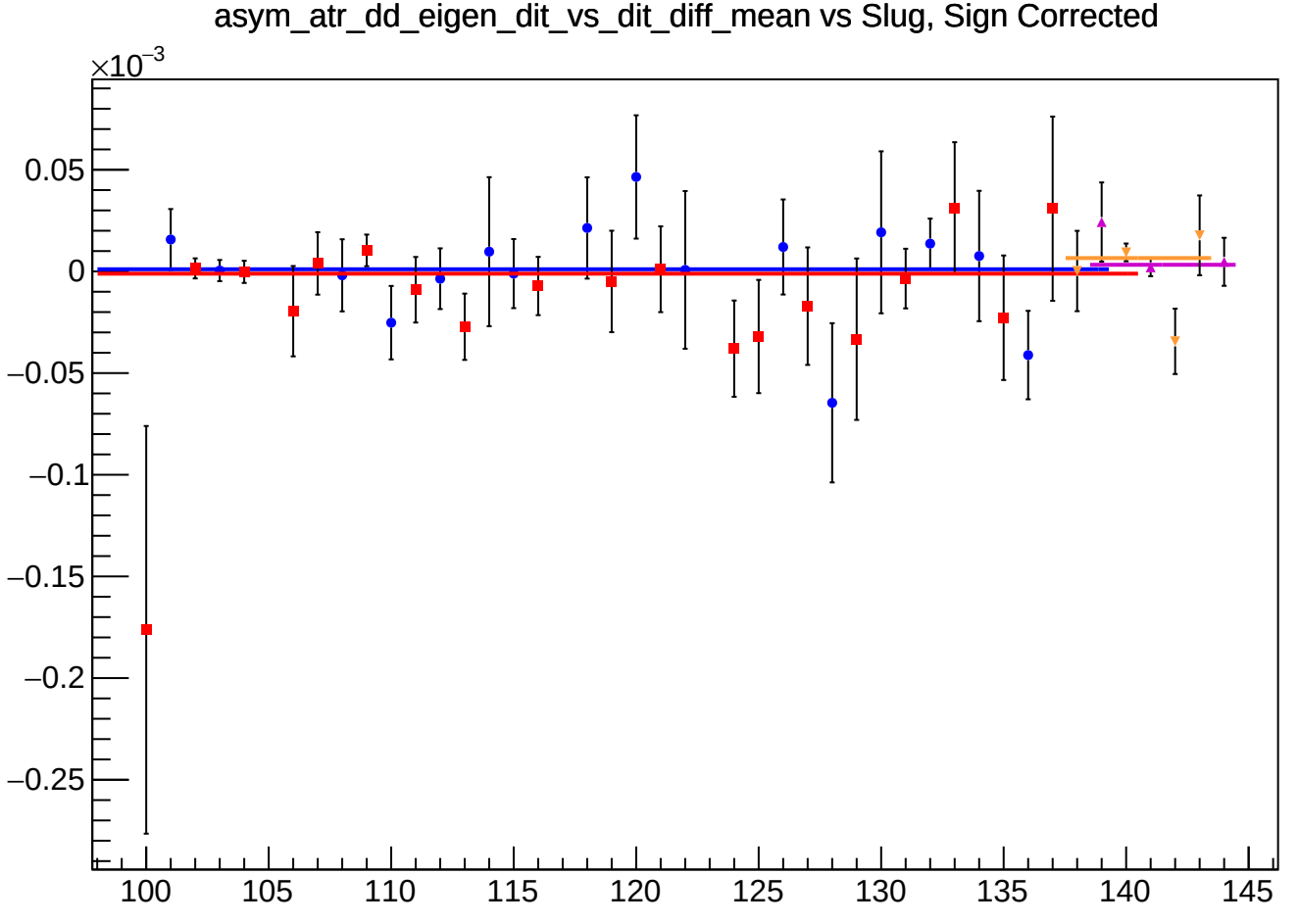
Left: 293.004+/-0.092 χ^2/NDF: 552548.9/6

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 192.196+/-0.046 χ^2/NDF:1737030.3/18

Out: 184.946+/-0.045 χ^2/NDF:2623408.4/22

All: 188.478+/-0.032 χ^2/NDF: 4372998.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

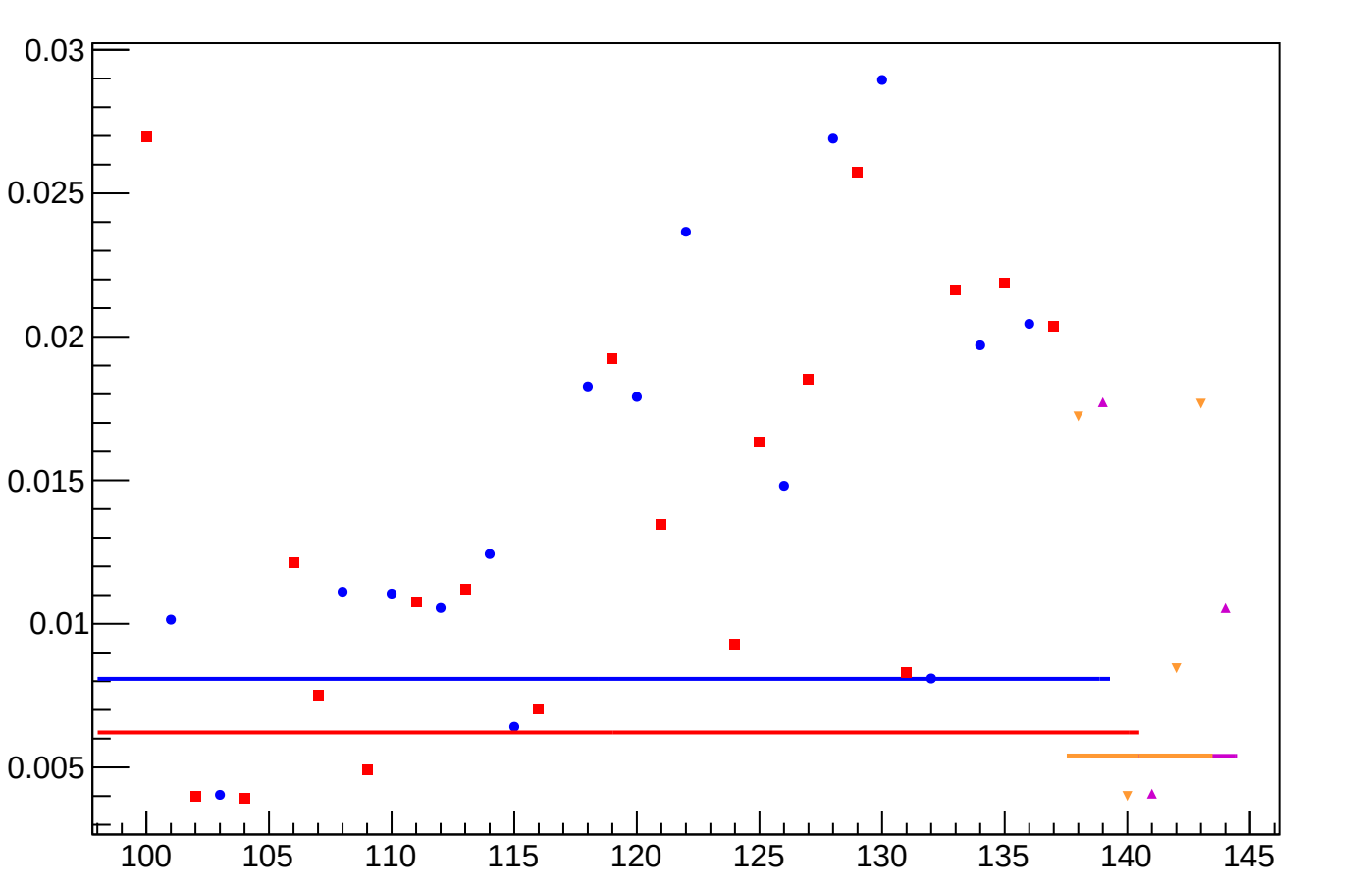
Left: 0.000+/-0.000 χ^2/NDF: 8.9/6

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:15.7/18

Out: 0.000+/-0.000 χ^2/NDF:25.8/22

All: 0.000+/-0.000 χ^2/NDF: 41.5/41



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:1775955.9/3

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1363454.1/2

Left: 0.005+/-0.000 χ^2/NDF: 3139419.7/6

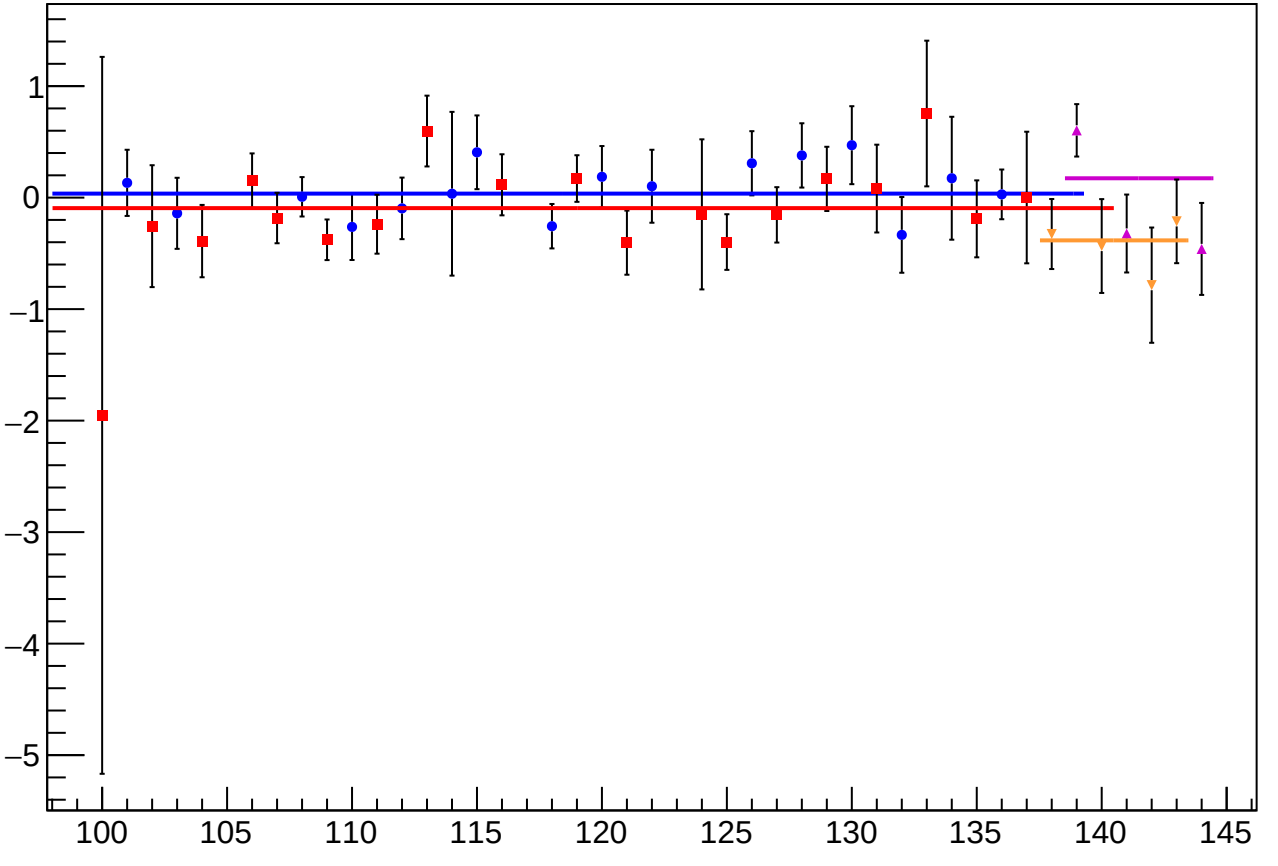
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6260325.5/18

Out: 0.006+/-0.000 χ^2/NDF:6390264.1/22

All: 0.006+/-0.000 χ^2/NDF: 12774030.4/41

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.173+/-0.176 χ^2/NDF:7.7/2

Left: -0.079+/-0.130 χ^2/NDF: 13.1/6

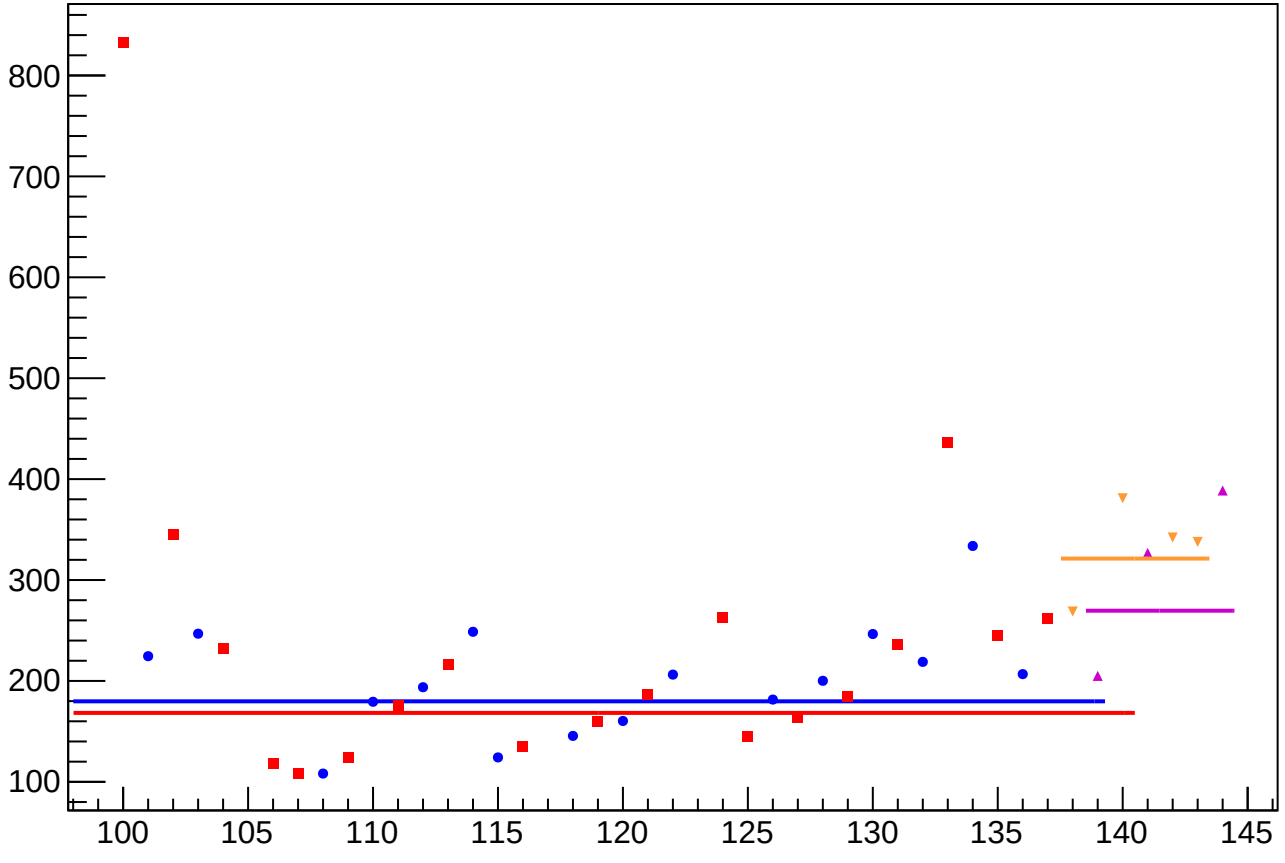
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.055+/-0.066 χ^2/NDF:18.8/18

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.038+/-0.046 χ^2/NDF: 43.1/41

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 321.272+/-0.137 χ^2/NDF:103321.2/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 269.598+/-0.125 χ^2/NDF:371386.8/2

Left: 293.008+/-0.092 χ^2/NDF: 552521.4/6

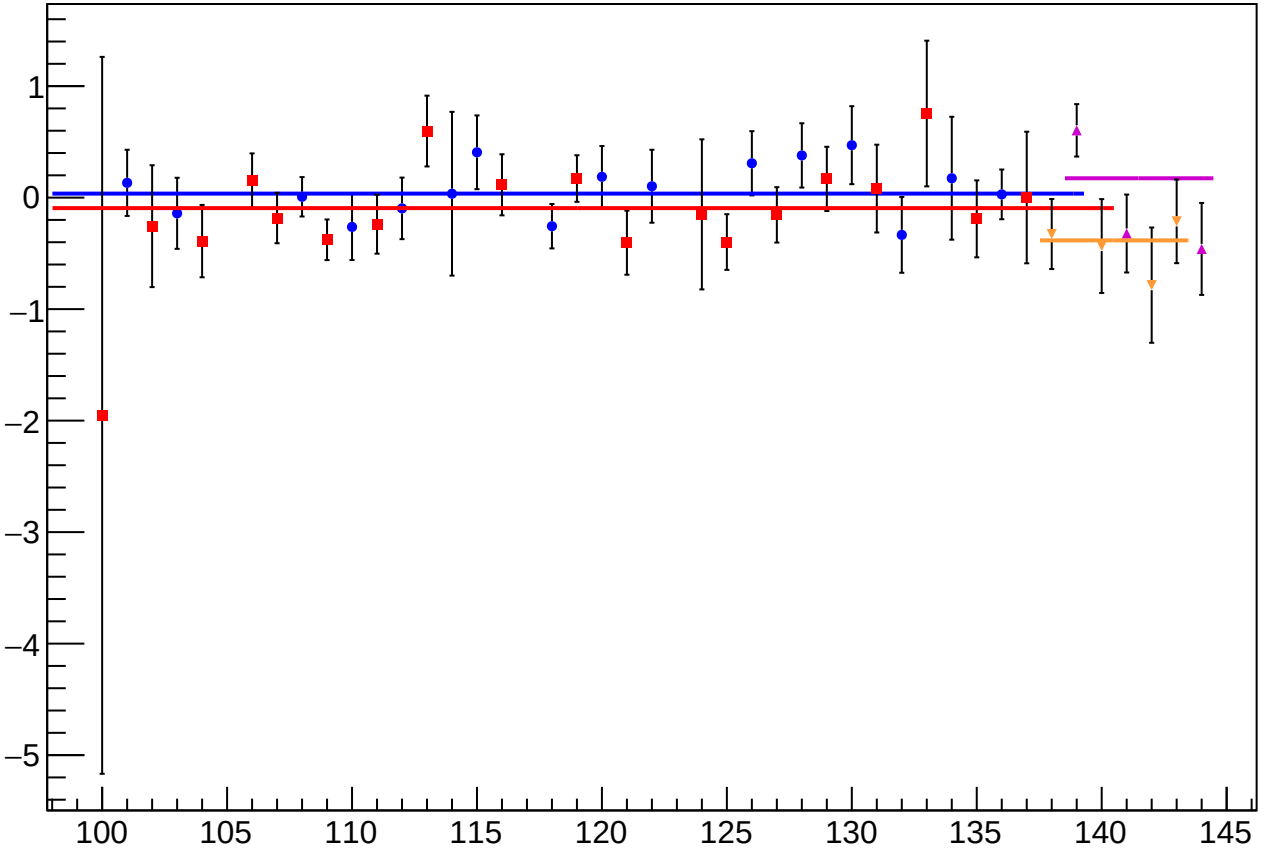
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 192.194+/-0.046 χ^2/NDF:1737109.8/18

Out: 184.946+/-0.045 χ^2/NDF:2623438.6/22

All: 188.477+/-0.032 χ^2/NDF: 4373100.4/41

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.173+/-0.176 χ^2/NDF:7.7/2

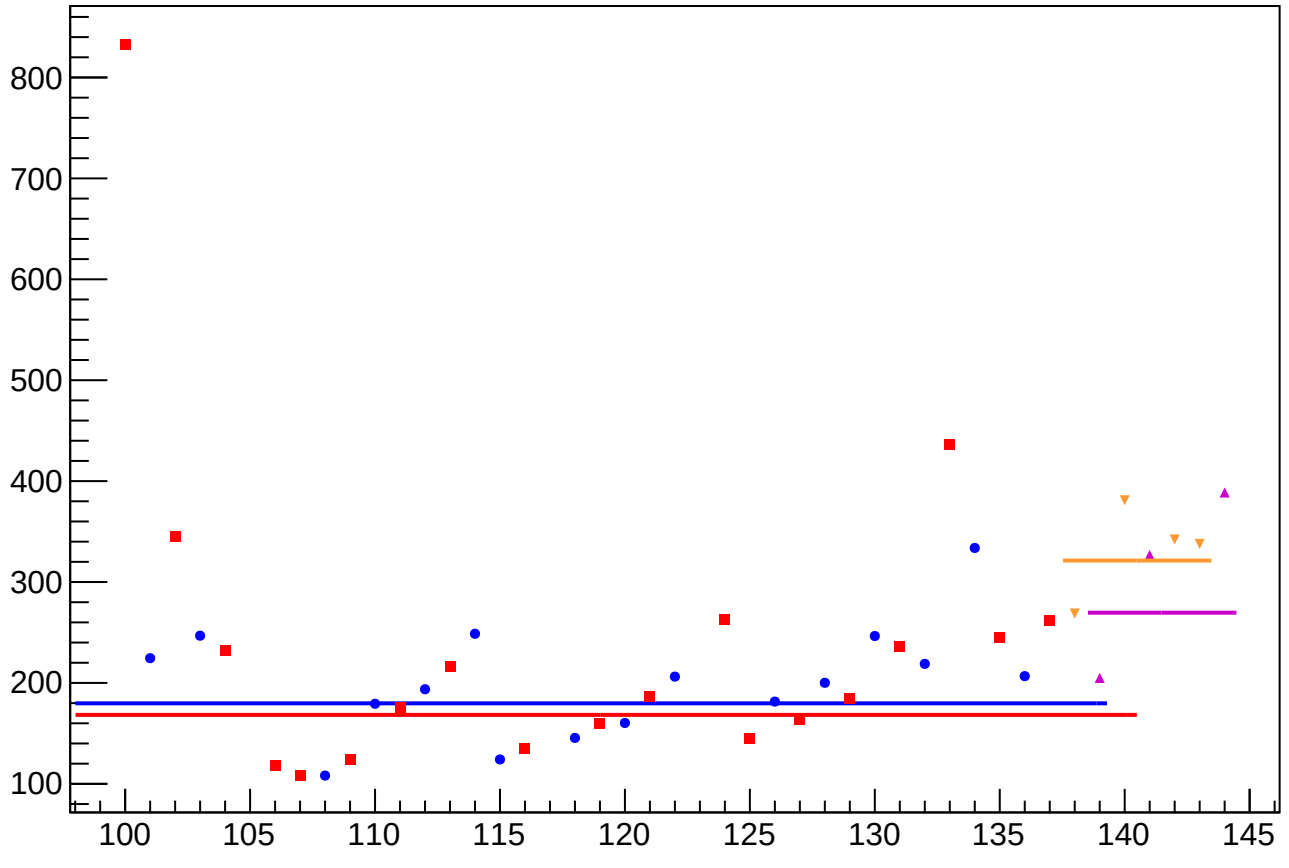
Left: -0.079+/-0.130 χ^2/NDF: 13.1/6

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.055+/-0.066 χ^2/NDF:18.8/18

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.038+/-0.046 χ^2/NDF: 43.1/41



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 321.272+/-0.137 χ^2/NDF:103321.2/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 269.598+/-0.125 χ^2/NDF:371386.8/2

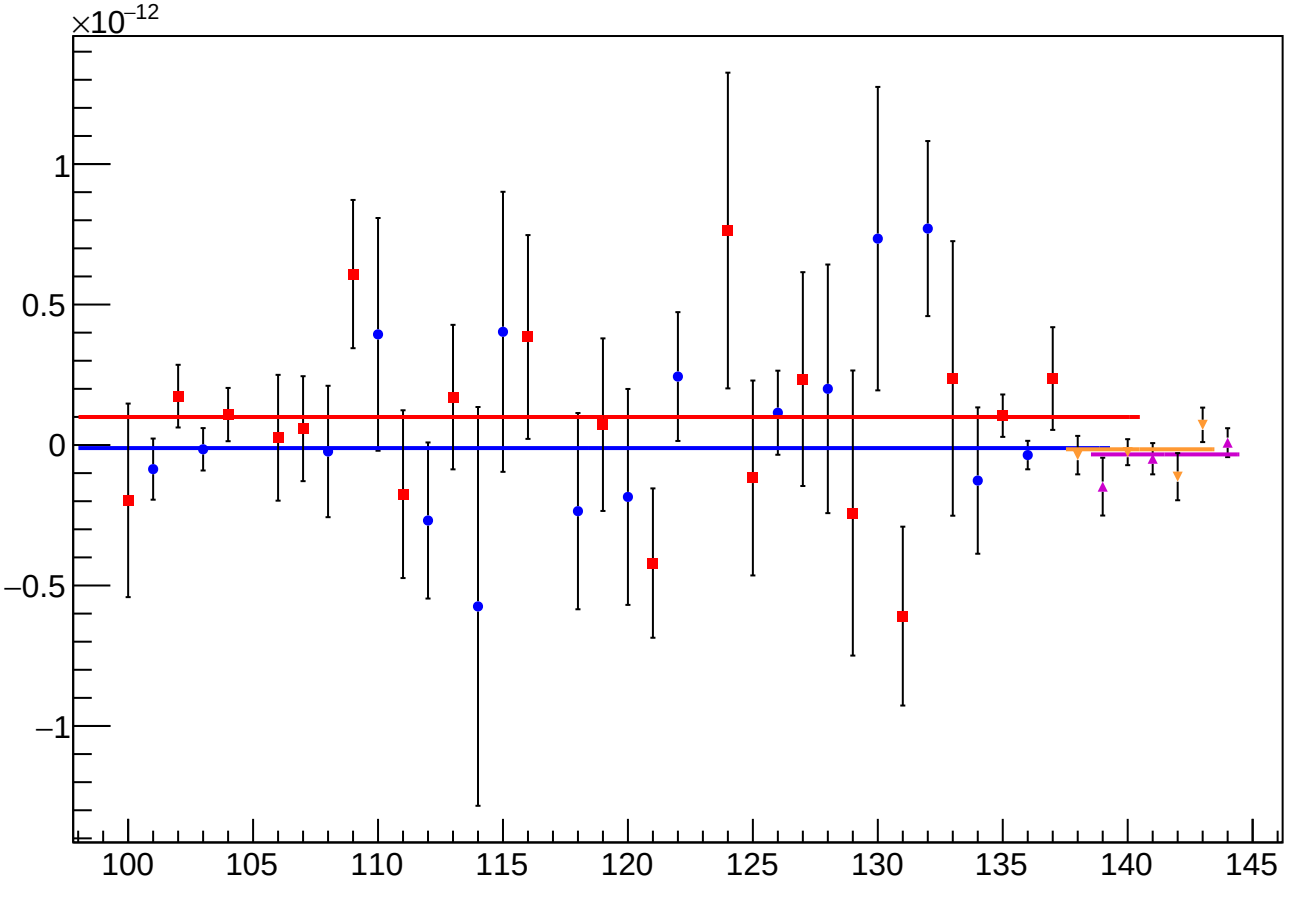
Left: 293.008+/-0.092 χ^2/NDF: 552521.4/6

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 192.194+/-0.046 χ^2/NDF:1737109.8/18

Out: 184.946+/-0.045 χ^2/NDF:2623438.6/22

All: 188.477+/-0.032 χ^2/NDF: 4373100.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

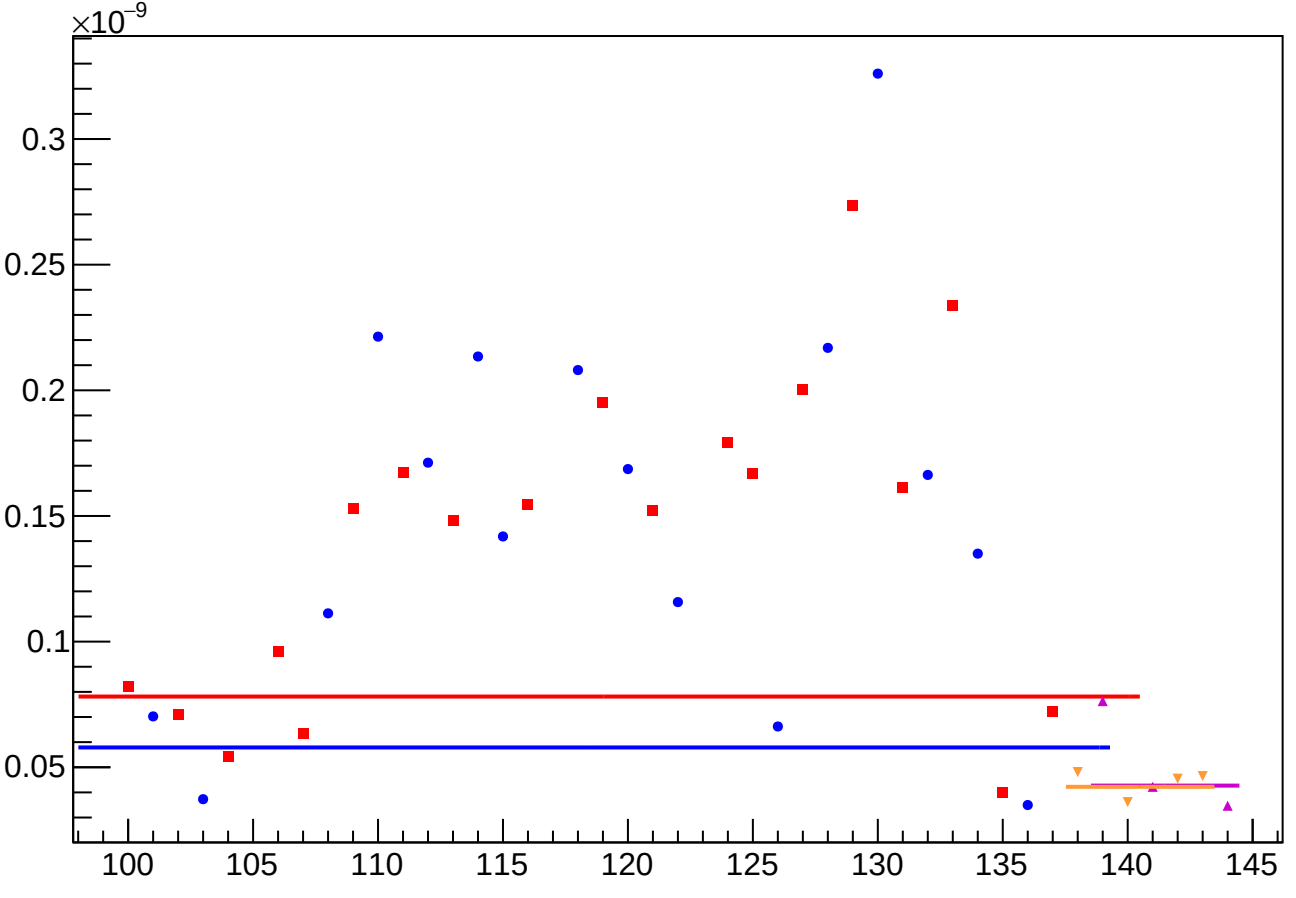
Left: -0.000+/-0.000 χ^2/NDF: 5.6/6

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:17.2/18

Out: 0.000+/-0.000 χ^2/NDF:26.8/22

All: 0.000+/-0.000 χ^2/NDF: 45.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:61924.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:262124.3/2

Left: 0.000+/-0.000 χ^2/NDF: 324263.5/6

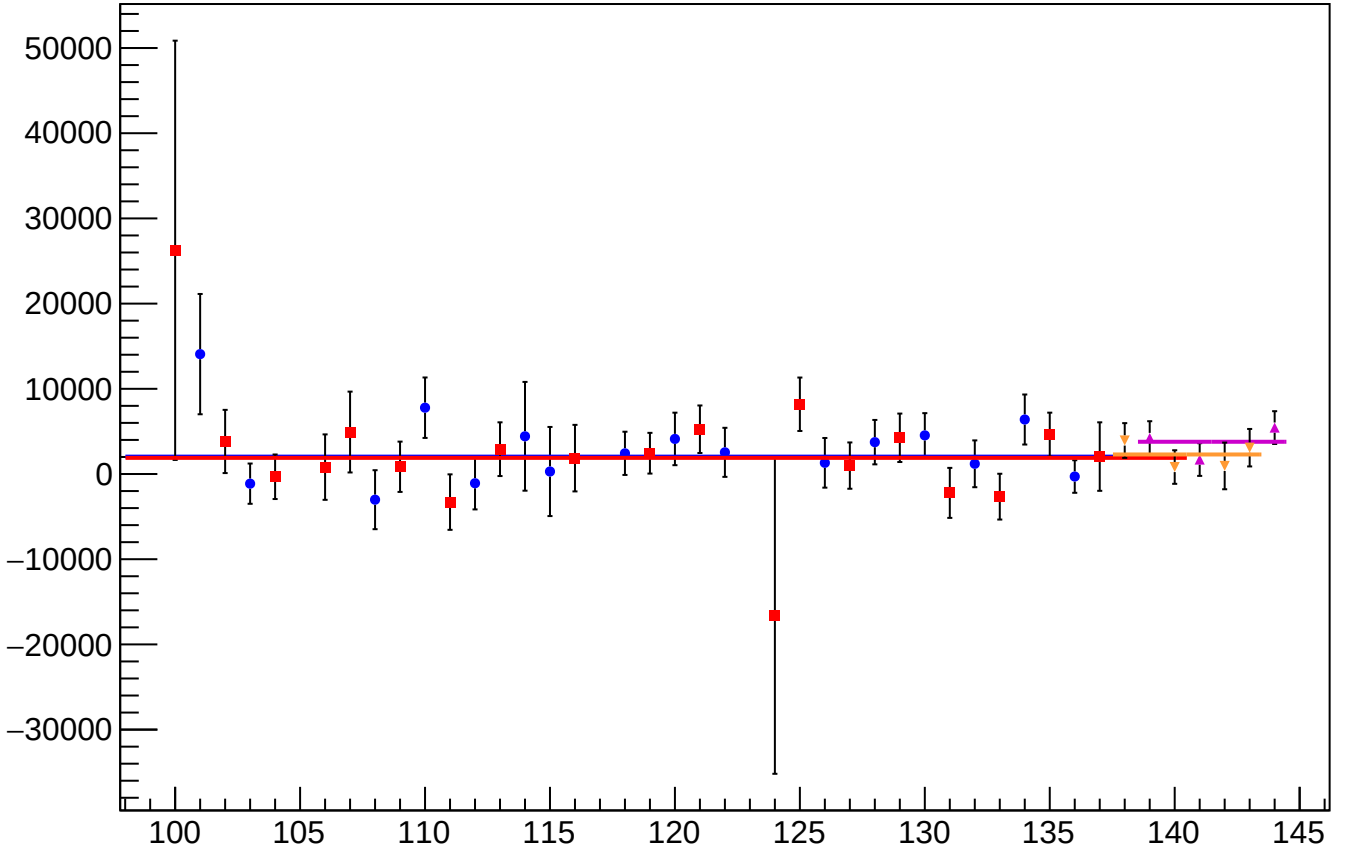
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3769468.3/18

Out: 0.000+/-0.000 χ^2/NDF:3752632.6/22

All: 0.000+/-0.000 χ^2/NDF: 7549956.6/41

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.435+/-1092.202 χ^2/NDF:1.6/3

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 3784.407+/-1117.377 χ^2/NDF:2.0/2

Left: 3021.936+/-781.052 χ^2/NDF: 4.5/6

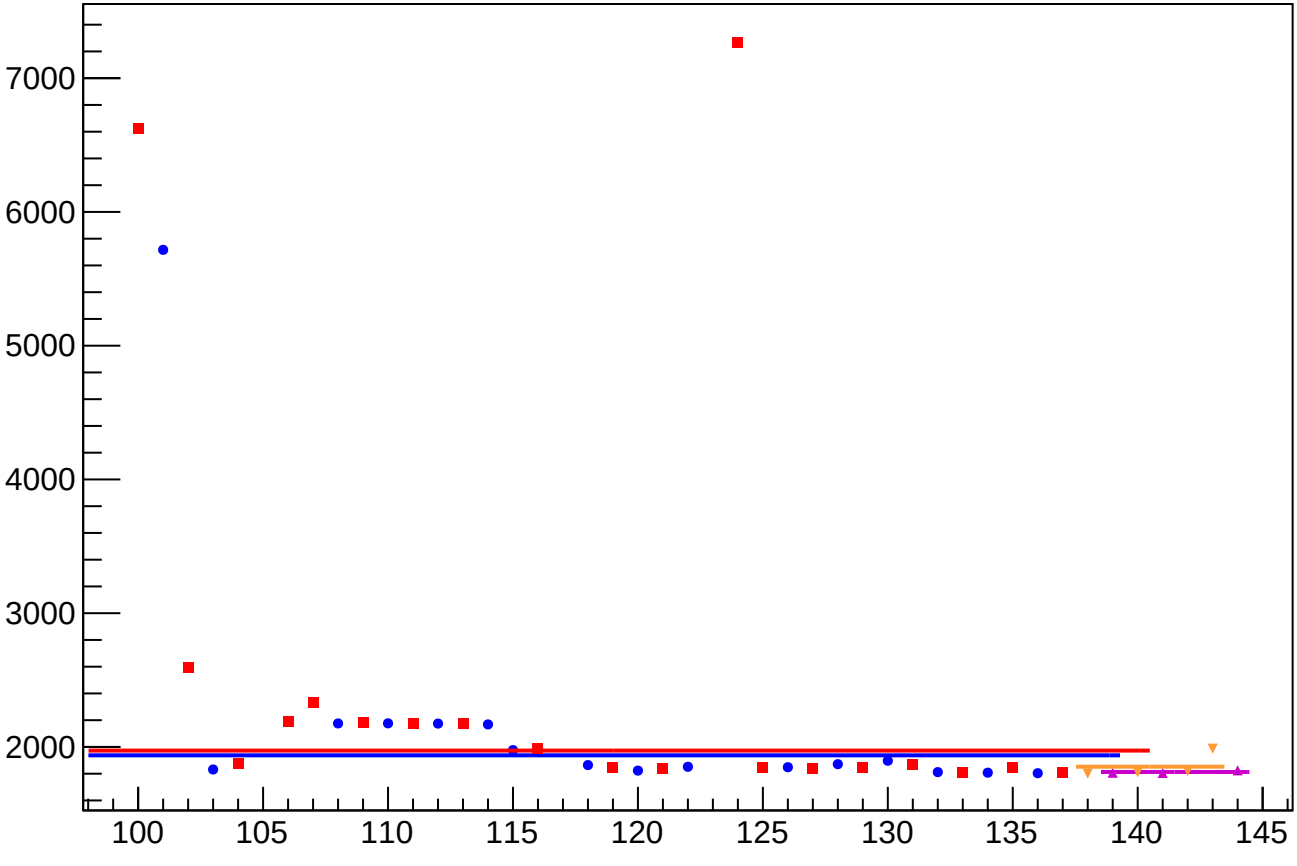
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2567.493+/-614.767 χ^2/NDF:20.1/18

Out: 2019.770+/-610.787 χ^2/NDF:20.2/22

All: 2291.853+/-433.292 χ^2/NDF: 40.7/41

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

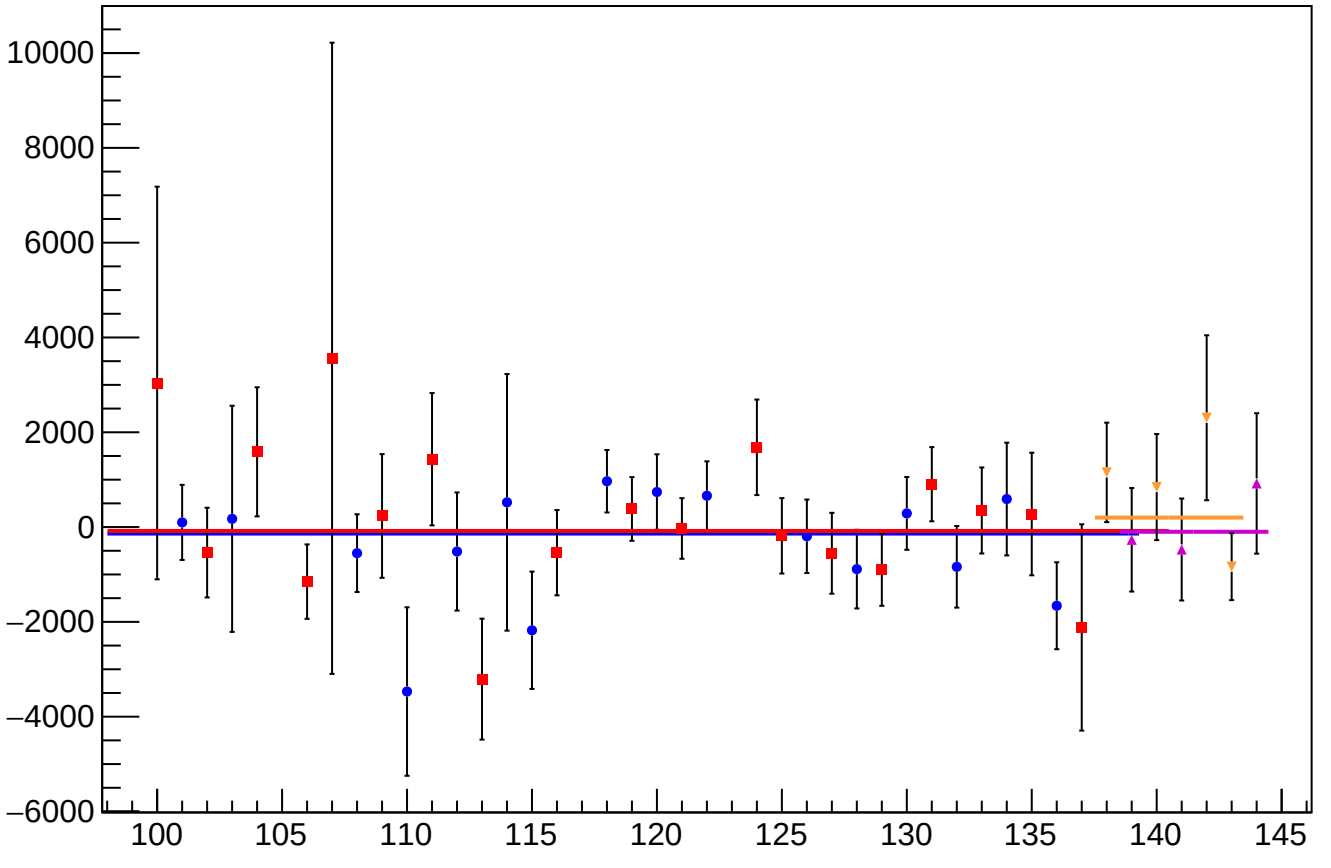
Left: 1832.961+/-0.552 χ^2/NDF: 11418.9/6

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1899.561+/-0.435 χ^2/NDF:655535.7/18

Out: 1935.082+/-0.432 χ^2/NDF:404273.8/22

All: 1917.437+/-0.306 χ^2/NDF: 1063169.9/41



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 200.189+/-497.344 χ^2/NDF:4.8/3

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -99.257+/-680.643 χ^2/NDF:0.6/2

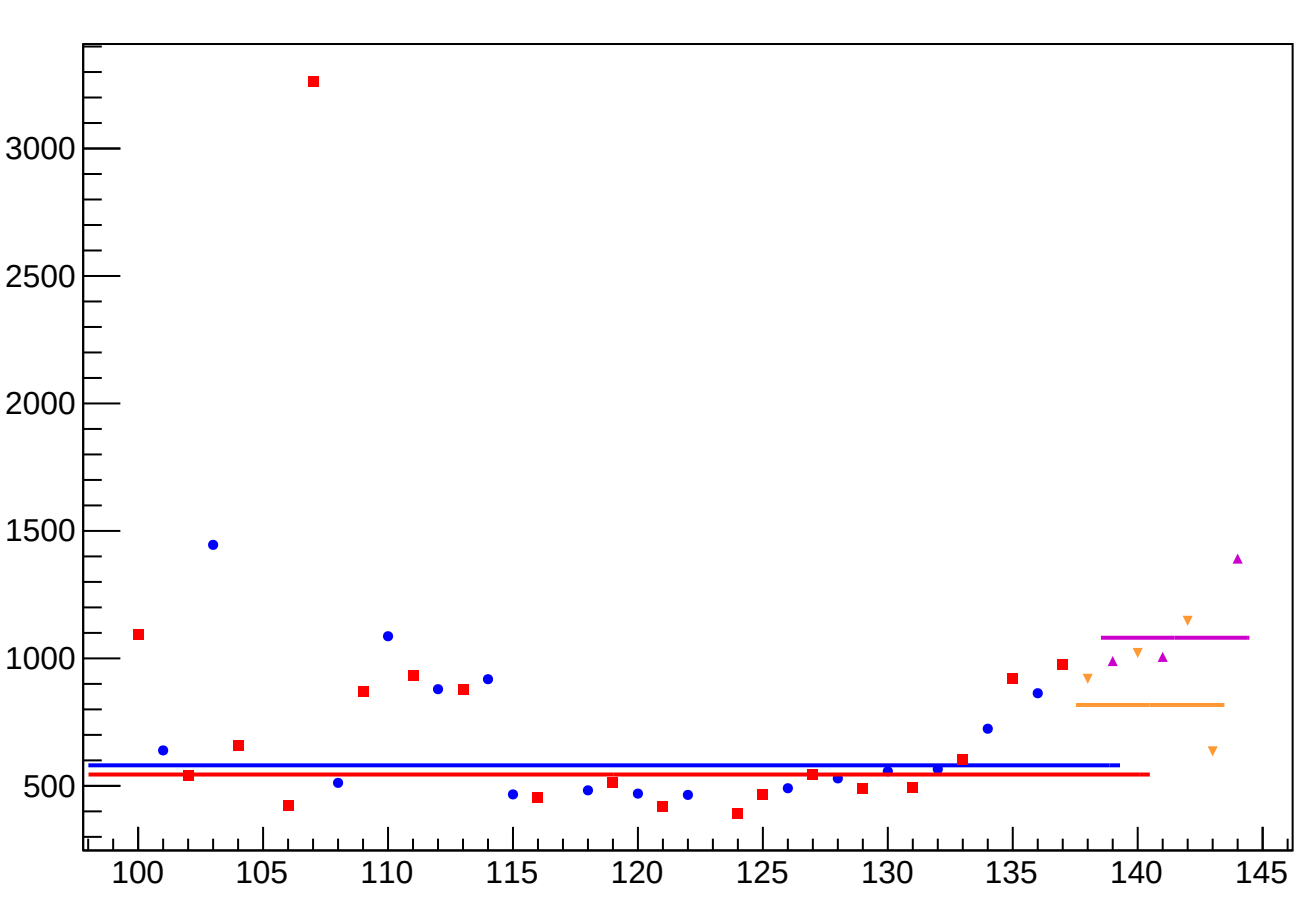
Left: 95.959+/-401.565 χ^2/NDF: 5.5/6

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -132.799+/-218.262 χ^2/NDF:17.5/18

Out: -35.356+/-202.735 χ^2/NDF:24.8/22

All: -80.489+/-148.541 χ^2/NDF: 42.4/41



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 817.390+/-0.352 χ^2/NDF:290296.5/3

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 1081.081+/-0.481 χ^2/NDF:111583.6/2

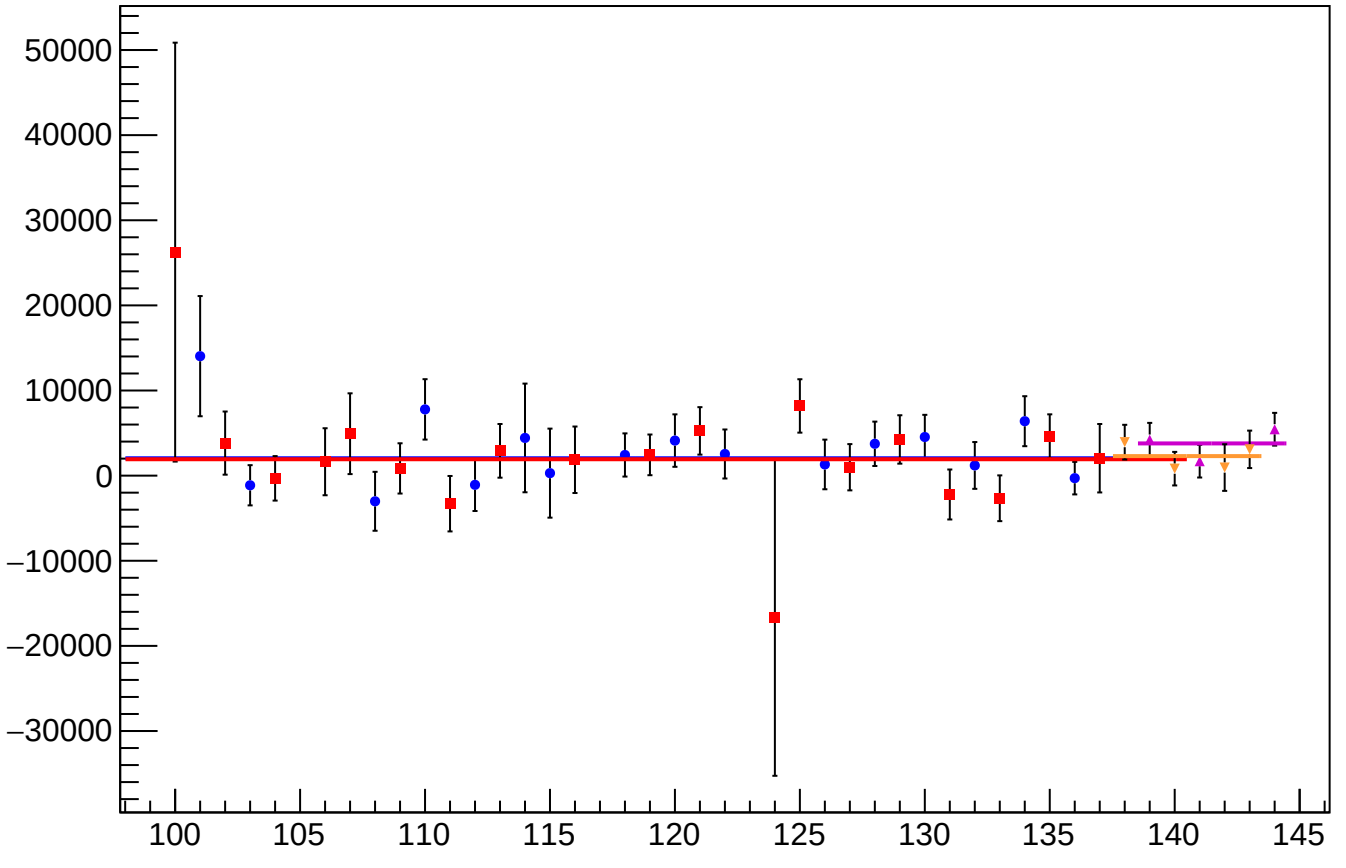
Left: 909.175+/-0.284 χ^2/NDF: 597575.0/6

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 632.074+/-0.154 χ^2/NDF:2085111.3/18

Out: 589.871+/-0.143 χ^2/NDF:2079906.5/22

All: 609.418+/-0.105 χ^2/NDF: 4205160.3/41



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3784.710+/-1117.377 χ^2/NDF:2.0/2

Left: 3022.165+/-781.052 χ^2/NDF: 4.5/6

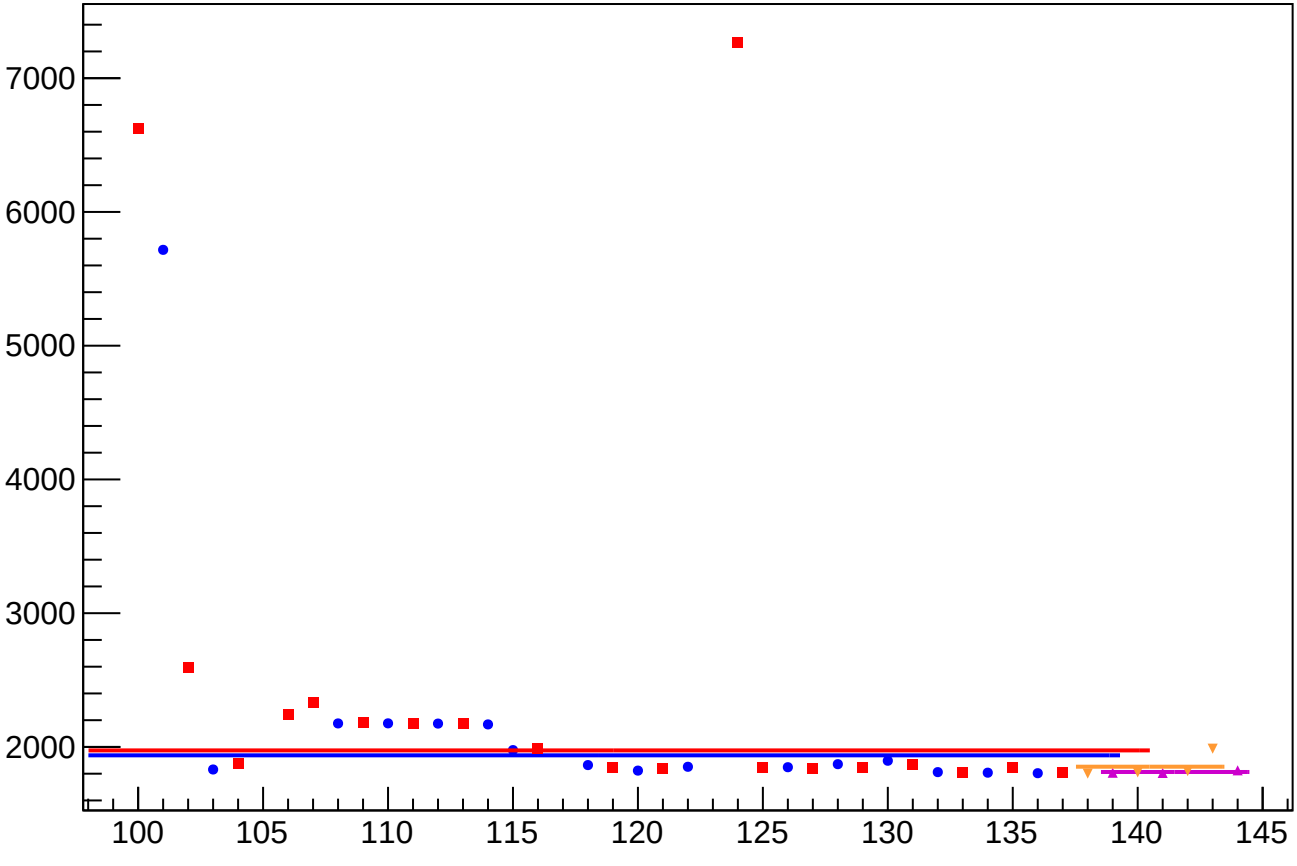
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2567.327+/-614.767 χ^2/NDF:20.1/18

Out: 2041.279+/-611.157 χ^2/NDF:20.1/22

All: 2302.754+/-433.424 χ^2/NDF: 40.6/41

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

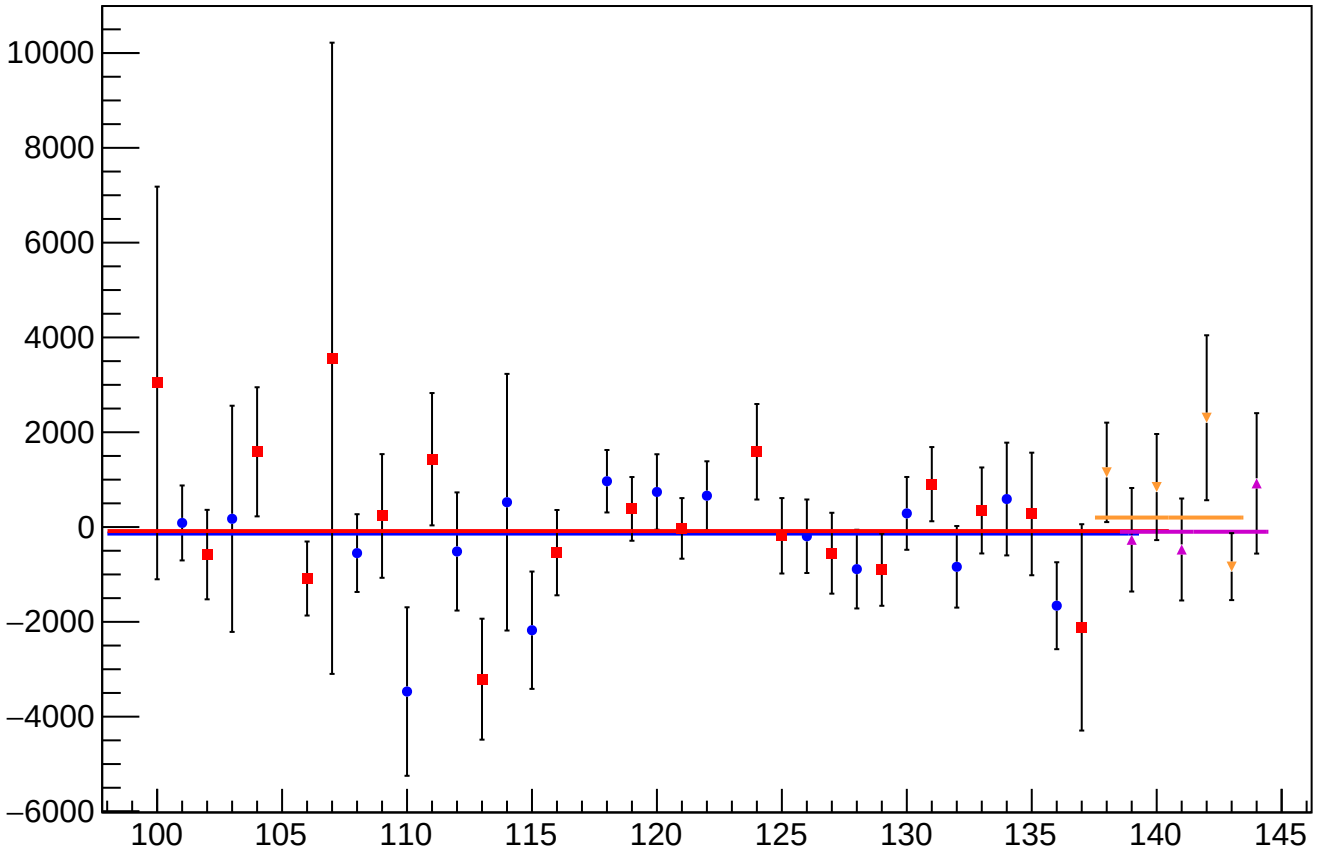
Left: 1832.961+/-0.552 χ^2/NDF: 11418.9/6

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1899.561+/-0.435 χ^2/NDF:655535.7/18

Out: 1935.995+/-0.432 χ^2/NDF:407547.5/22

All: 1917.885+/-0.306 χ^2/NDF: 1066616.3/41



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -99.224+/-680.648 χ^2/NDF:0.6/2

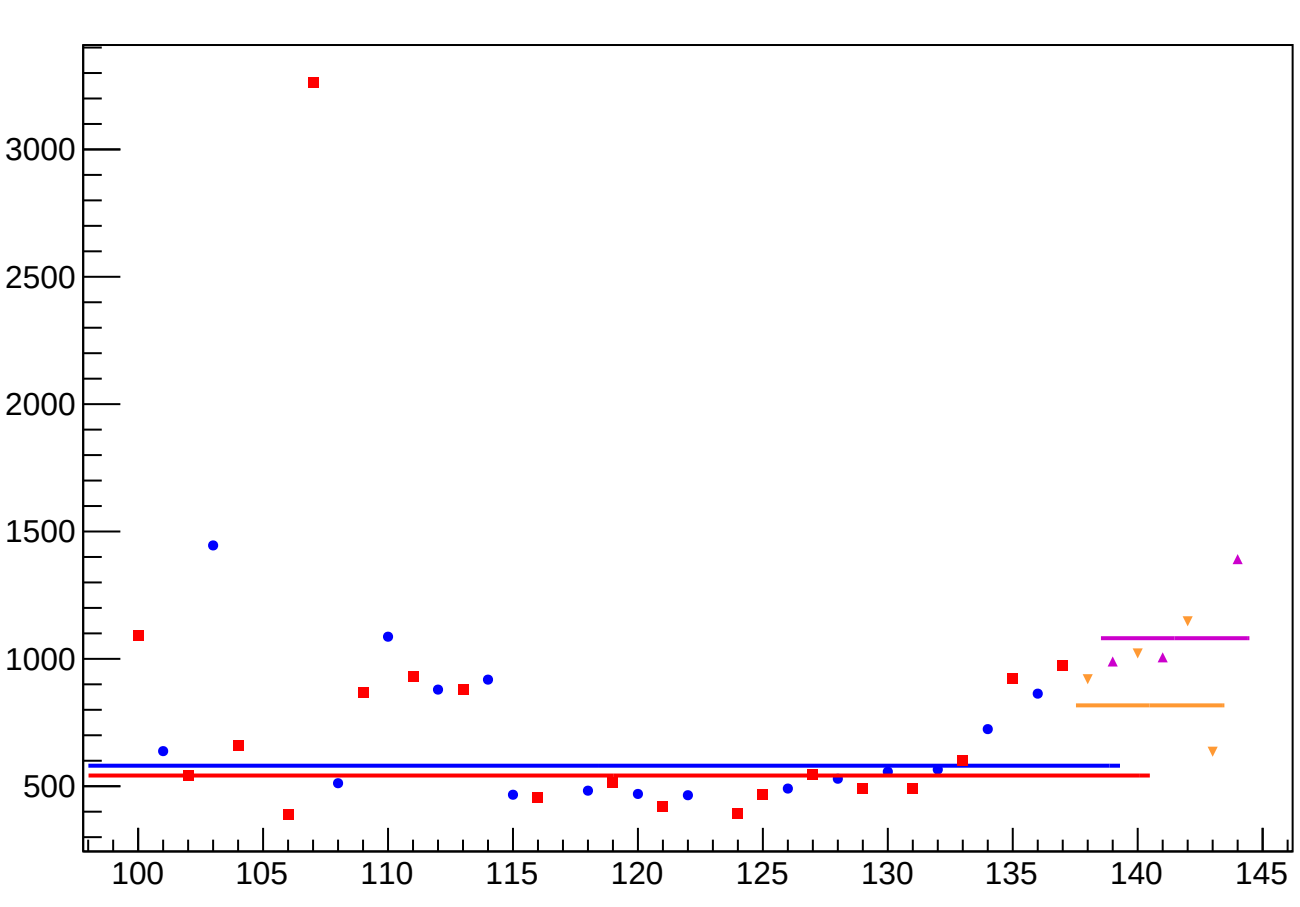
Left: 96.054+/-401.566 χ^2/NDF: 5.5/6

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -133.557+/-218.221 χ^2/NDF:17.5/18

Out: -37.595+/-202.630 χ^2/NDF:24.3/22

All: -82.026+/-148.487 χ^2/NDF: 41.9/41



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 817.389+/-0.352 χ^2/NDF:290286.3/3

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 1081.088+/-0.481 χ^2/NDF:111582.4/2

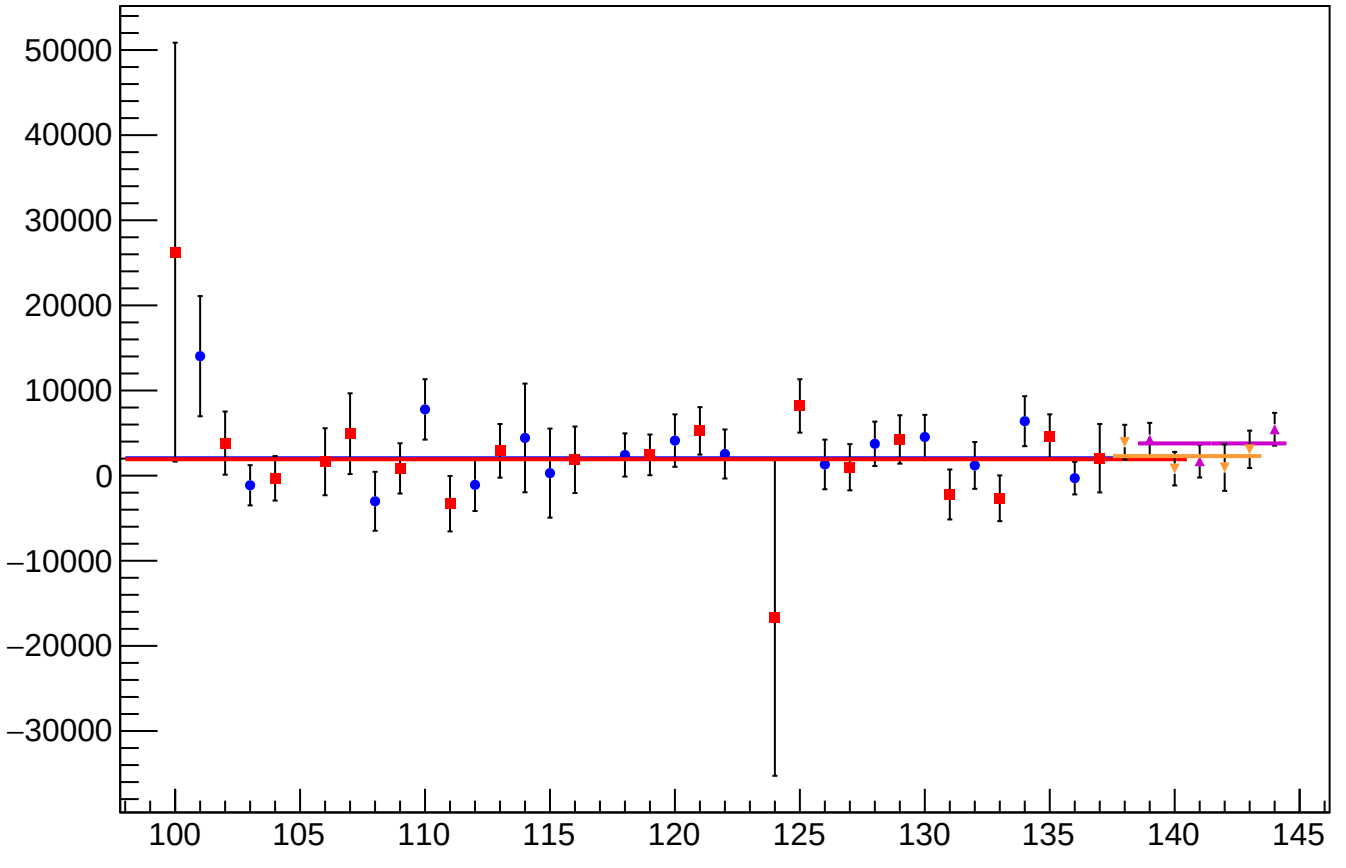
Left: 909.175+/-0.284 χ^2/NDF: 597574.4/6

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 631.972+/-0.154 χ^2/NDF:2085012.4/18

Out: 587.662+/-0.143 χ^2/NDF:2120786.4/22

All: 608.178+/-0.105 χ^2/NDF: 4250078.6/41



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3784.710+/-1117.377 χ^2/NDF:2.0/2

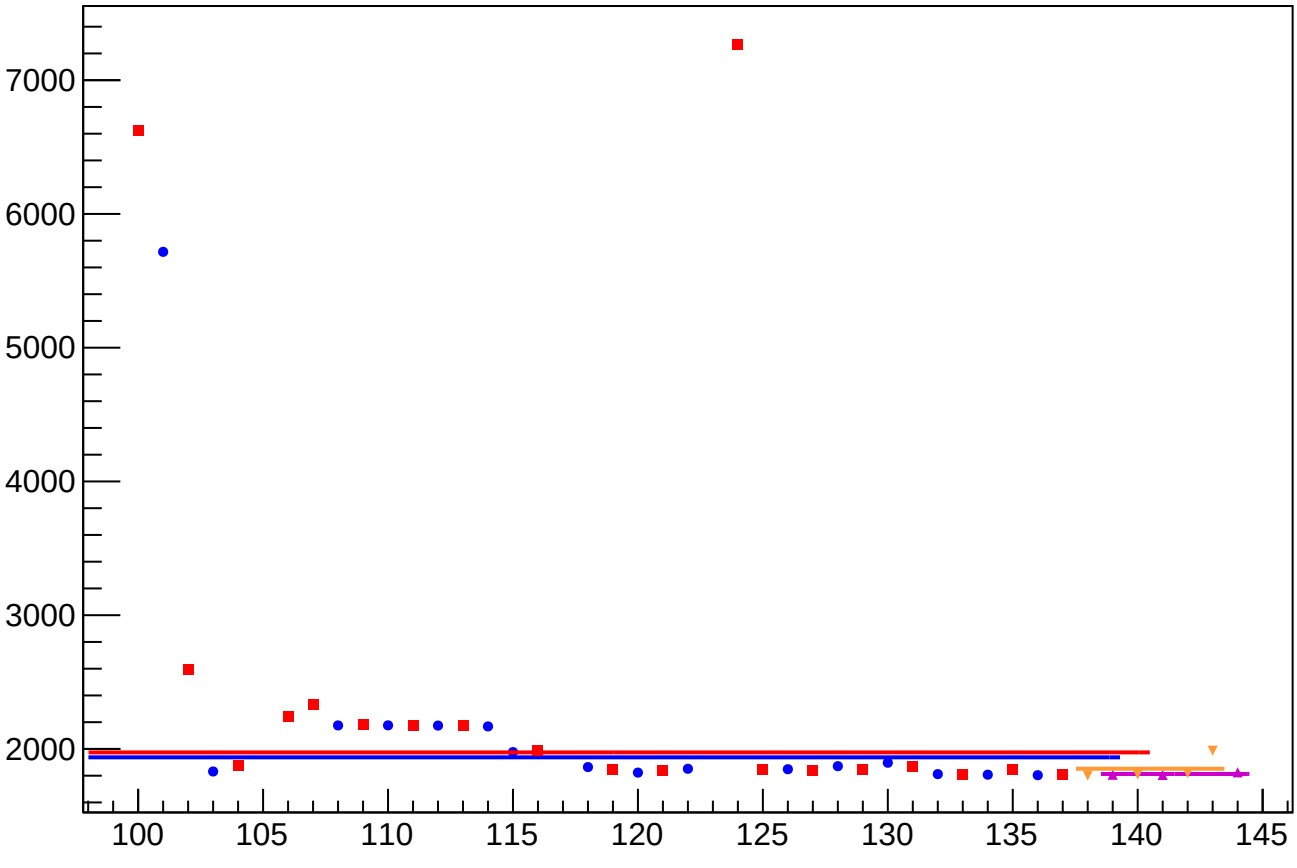
Left: 3022.165+/-781.052 χ^2/NDF: 4.5/6

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2567.327+/-614.767 χ^2/NDF:20.1/18

Out: 2041.279+/-611.157 χ^2/NDF:20.1/22

All: 2302.754+/-433.424 χ^2/NDF: 40.6/41



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1812.739+/-0.790 χ^2/NDF:126.5/2

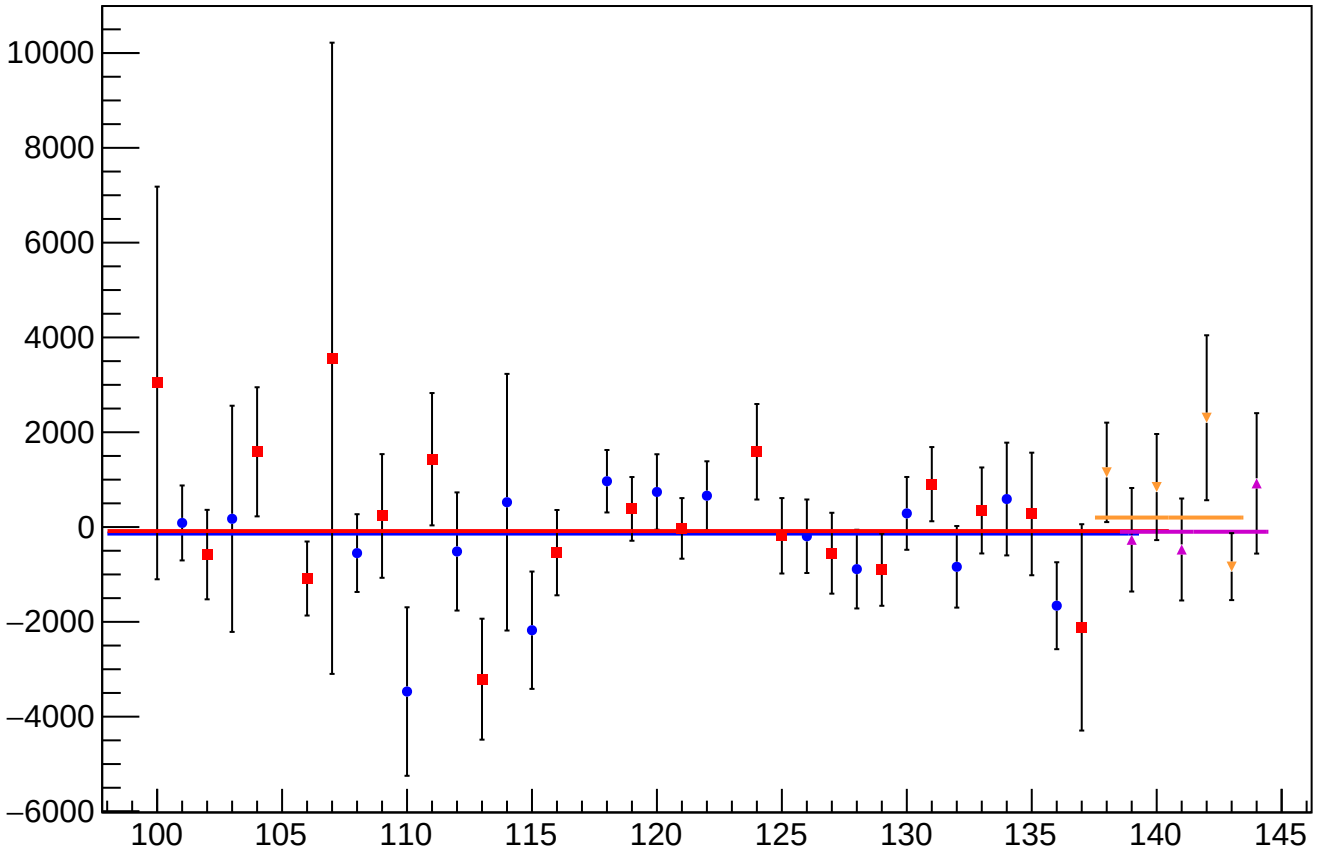
Left: 1832.961+/-0.552 χ^2/NDF: 11418.9/6

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1899.561+/-0.435 χ^2/NDF:655535.7/18

Out: 1935.995+/-0.432 χ^2/NDF:407547.5/22

All: 1917.885+/-0.306 χ^2/NDF: 1066616.3/41



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -99.224+/-680.648 χ^2/NDF:0.6/2

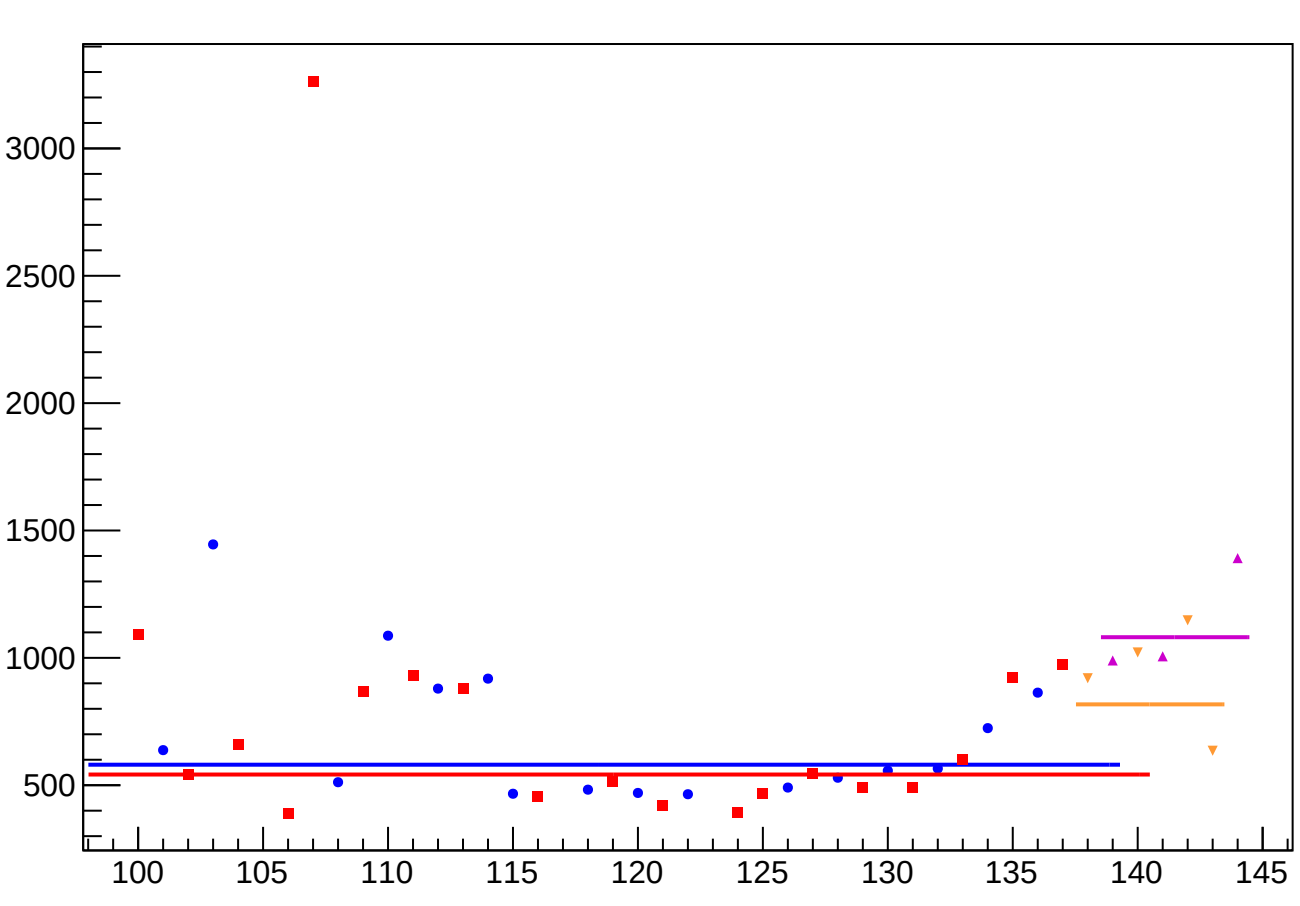
Left: 96.054+/-401.566 χ^2/NDF: 5.5/6

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -133.557+/-218.221 χ^2/NDF:17.5/18

Out: -37.595+/-202.630 χ^2/NDF:24.3/22

All: -82.026+/-148.487 χ^2/NDF: 41.9/41



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 817.389+/-0.352 χ^2/NDF:290286.3/3

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 1081.088+/-0.481 χ^2/NDF:111582.4/2

Left: 909.175+/-0.284 χ^2/NDF: 597574.4/6

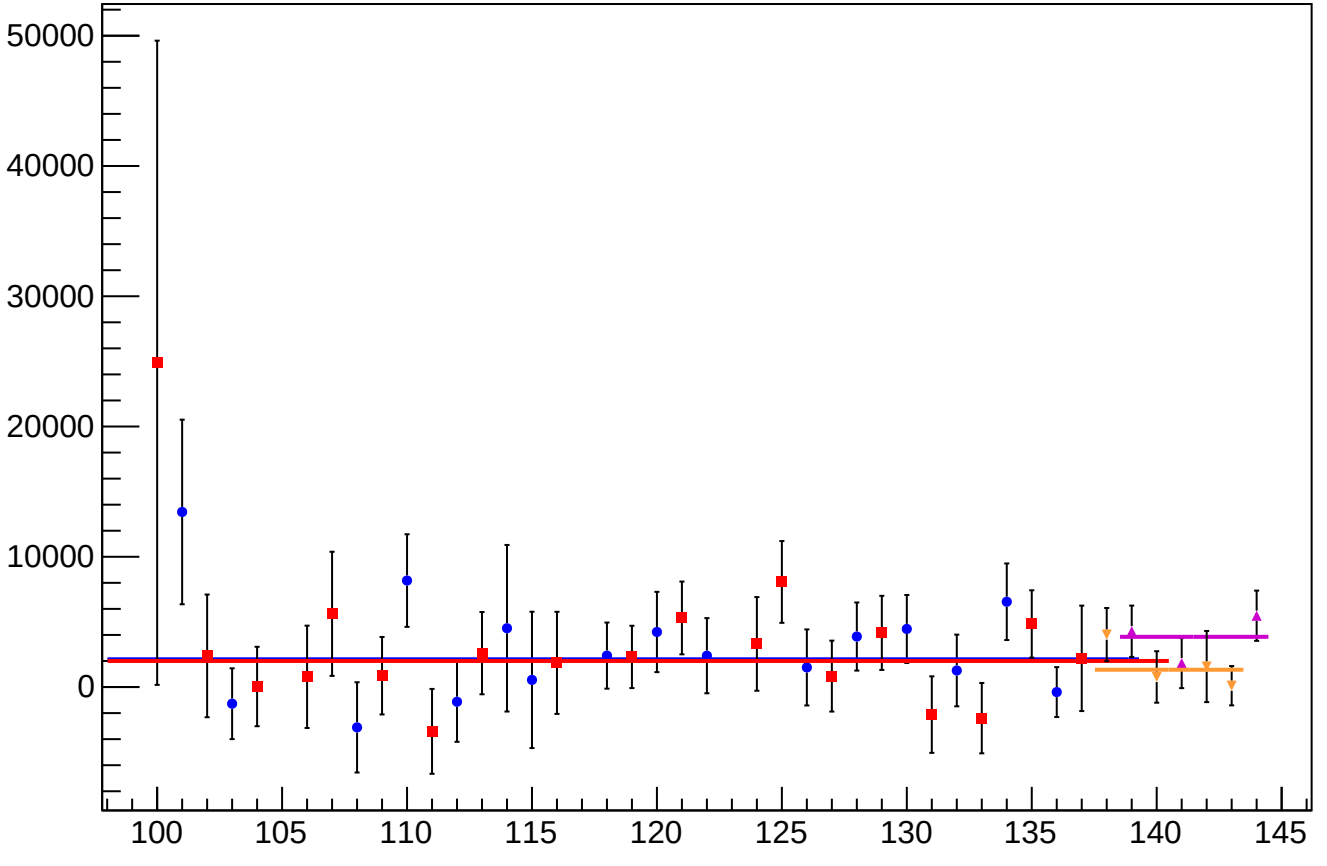
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 631.972+/-0.154 χ^2/NDF:2085012.4/18

Out: 587.662+/-0.143 χ^2/NDF:2120786.4/22

All: 608.178+/-0.105 χ^2/NDF: 4250078.6/41

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 3854.728+/-1119.820 χ^2/NDF:1.9/2

Left: 2407.893+/-732.049 χ^2/NDF: 7.3/6

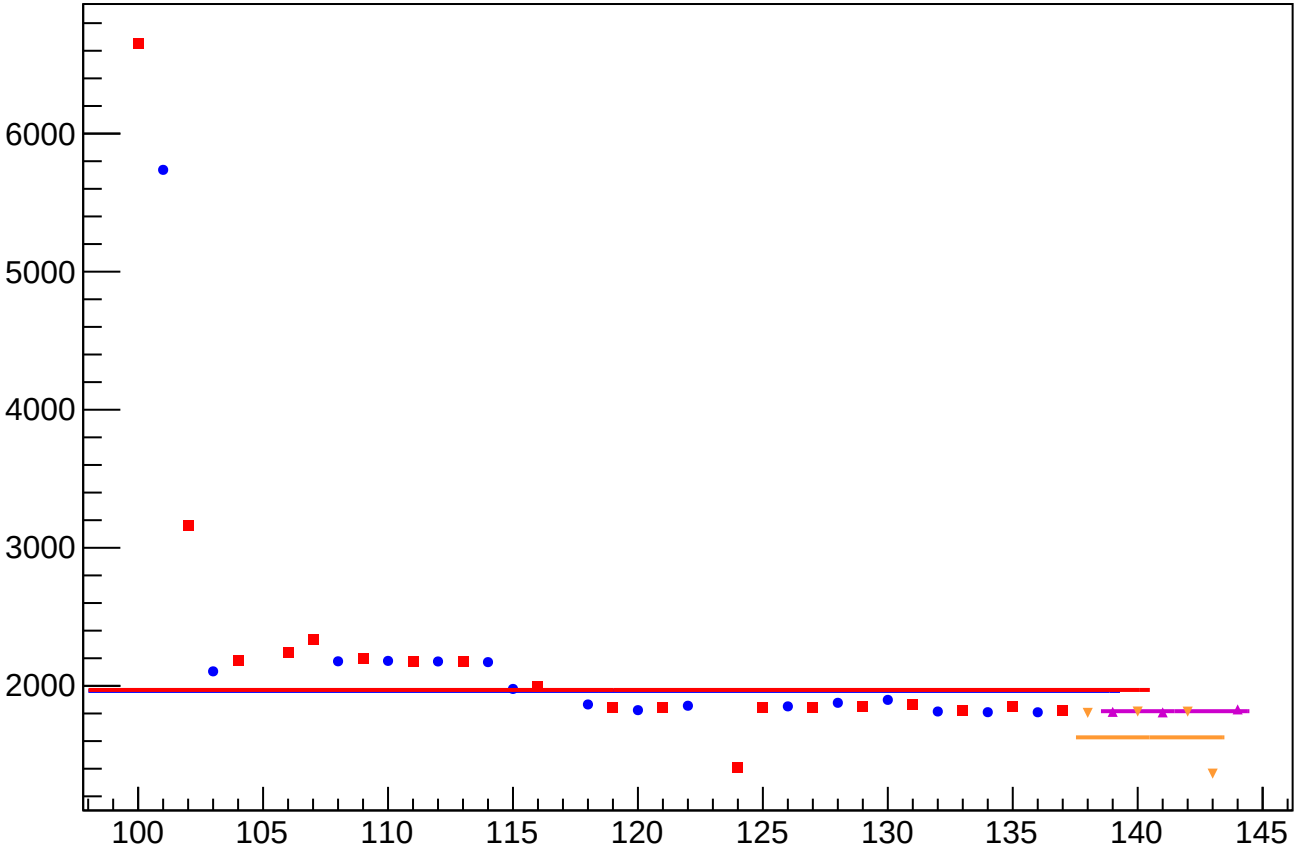
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2659.519+/-620.989 χ^2/NDF:20.0/18

Out: 1754.586+/-586.346 χ^2/NDF:19.5/22

All: 2181.107+/-426.330 χ^2/NDF: 40.7/41

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.608+/-0.792 χ^2/NDF:141.4/2

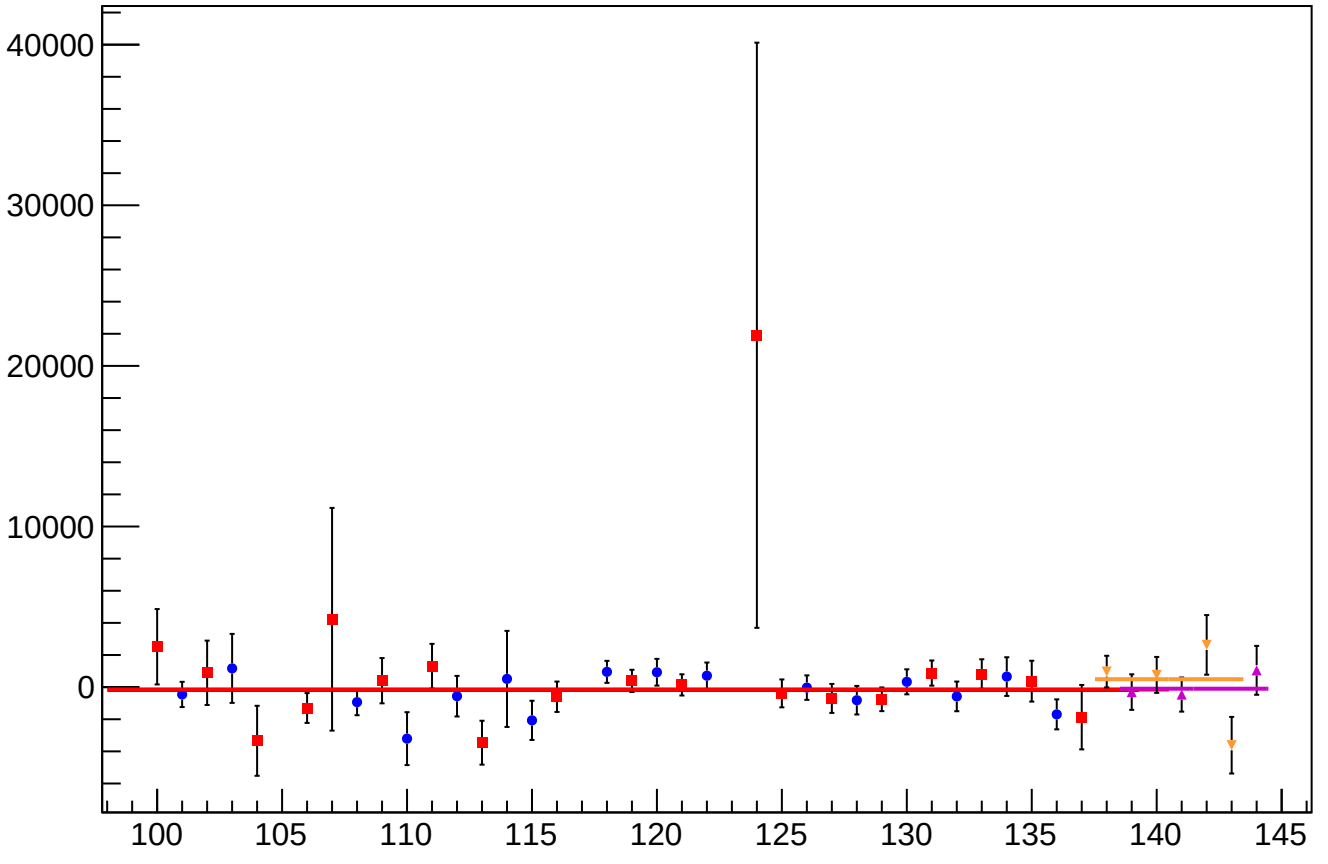
Left: 1708.092+/-0.518 χ^2/NDF: 135790.6/6

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1918.269+/-0.439 χ^2/NDF:664198.8/18

Out: 1844.320+/-0.415 χ^2/NDF:607372.9/22

All: 1879.174+/-0.301 χ^2/NDF: 1286565.6/41



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 495.074+/-639.401 χ^2/NDF:7.1/3

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -98.085+/-684.669 χ^2/NDF:0.7/2

Left: 218.749+/-467.309 χ^2/NDF: 8.2/6

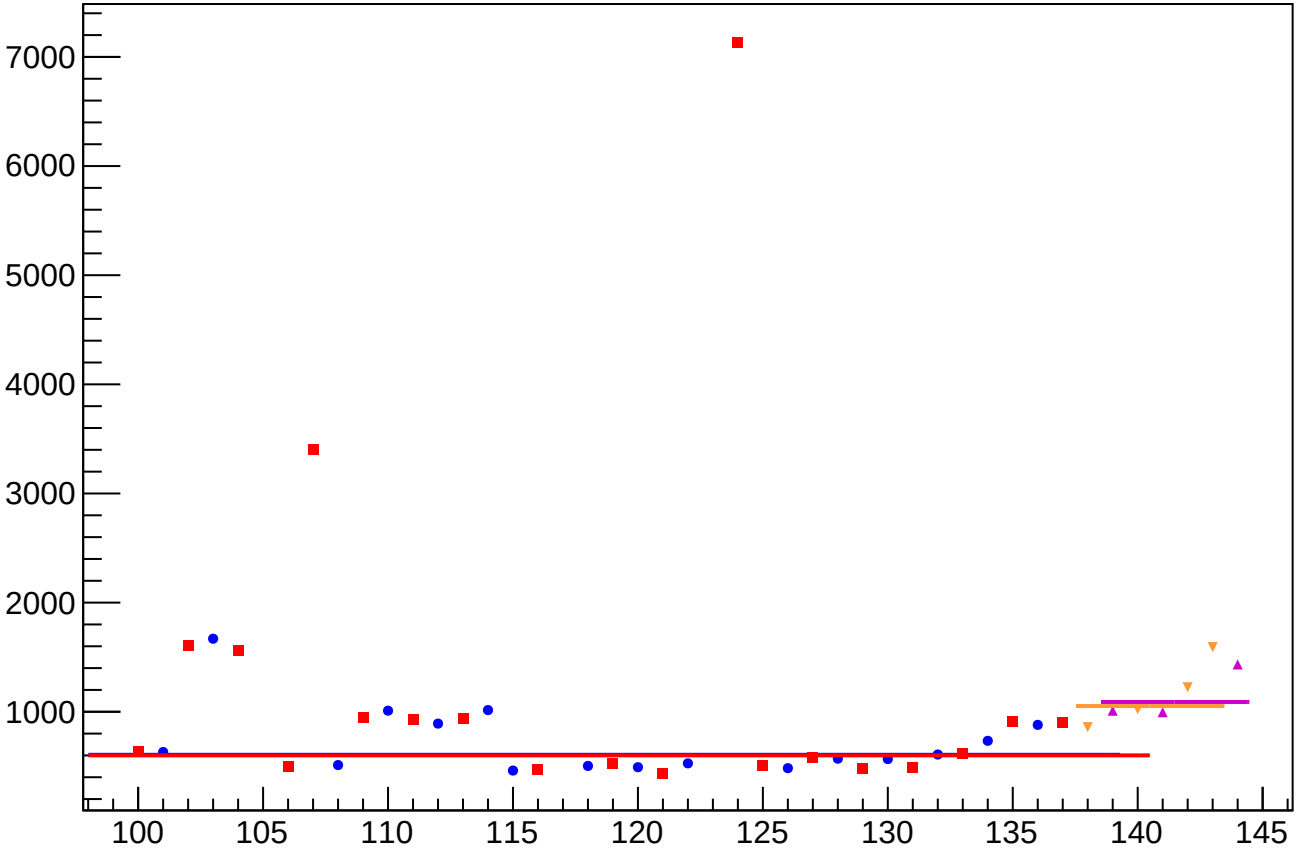
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -163.001+/-223.887 χ^2/NDF:18.0/18

Out: -66.484+/-227.025 χ^2/NDF:28.0/22

All: -115.414+/-159.410 χ^2/NDF: 46.1/41

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 1052.201+/-0.452 χ^2/NDF:283951.4/3

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 1089.751+/-0.484 χ^2/NDF:128078.6/2

Left: 1069.694+/-0.330 χ^2/NDF: 415243.2/6

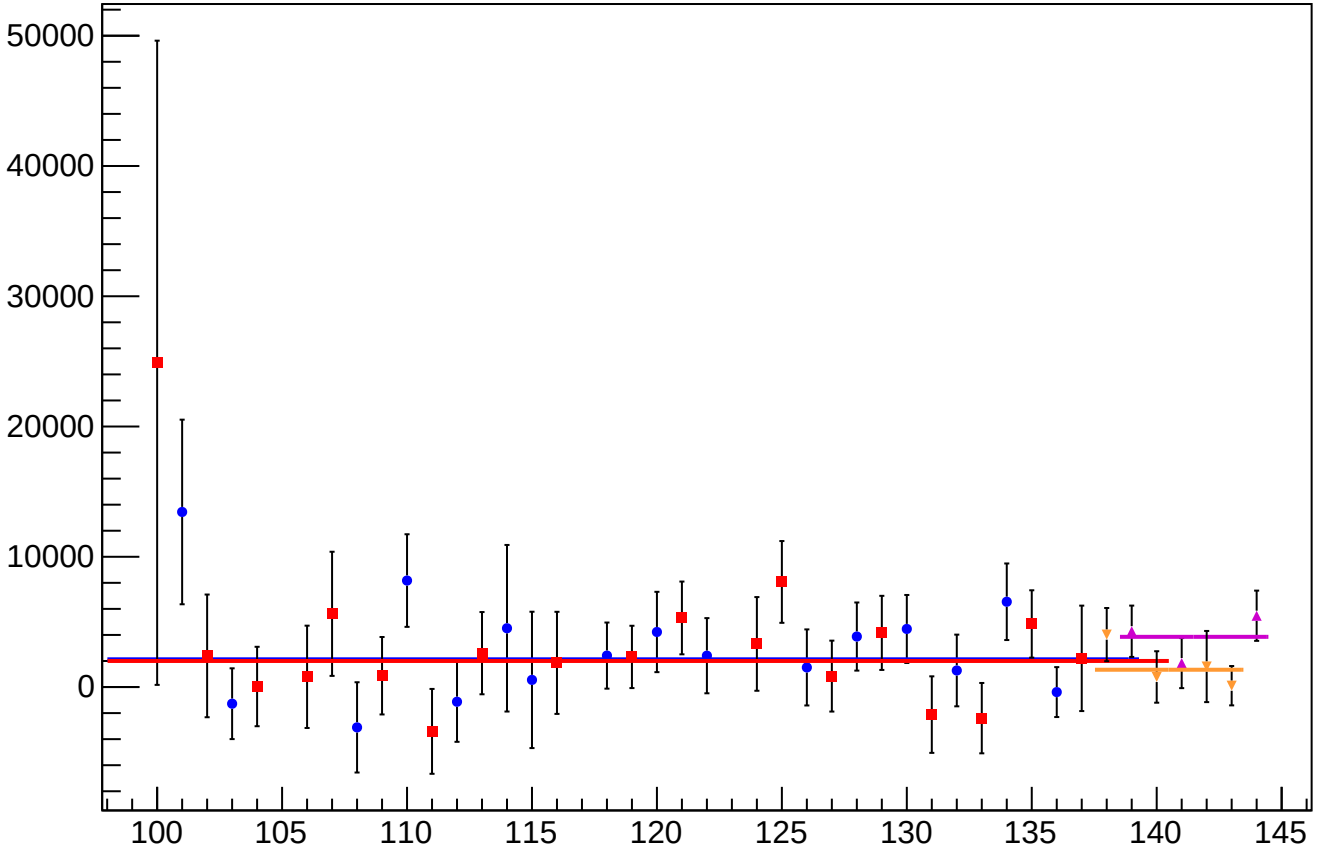
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 657.218+/-0.158 χ^2/NDF:2184294.5/18

Out: 657.398+/-0.161 χ^2/NDF:3484976.5/22

All: 657.307+/-0.113 χ^2/NDF: 5669271.6/41

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 3854.728+/-1119.820 χ^2/NDF:1.9/2

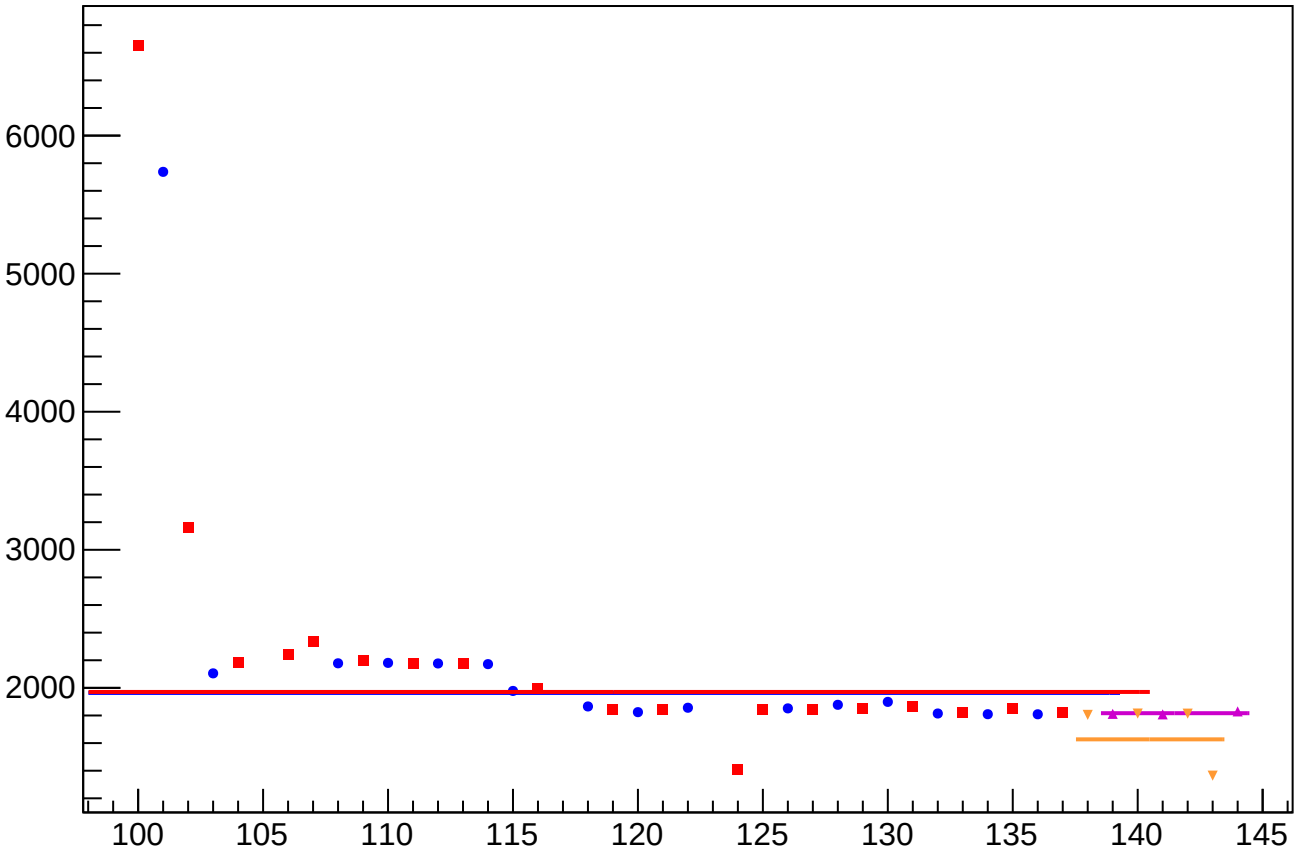
Left: 2407.893+/-732.049 χ^2/NDF: 7.3/6

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2659.518+/-620.989 χ^2/NDF:20.0/18

Out: 1754.585+/-586.346 χ^2/NDF:19.5/22

All: 2181.106+/-426.330 χ^2/NDF: 40.7/41



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.608+/-0.792 χ^2/NDF:141.4/2

Left: 1708.092+/-0.518 χ^2/NDF: 135790.6/6

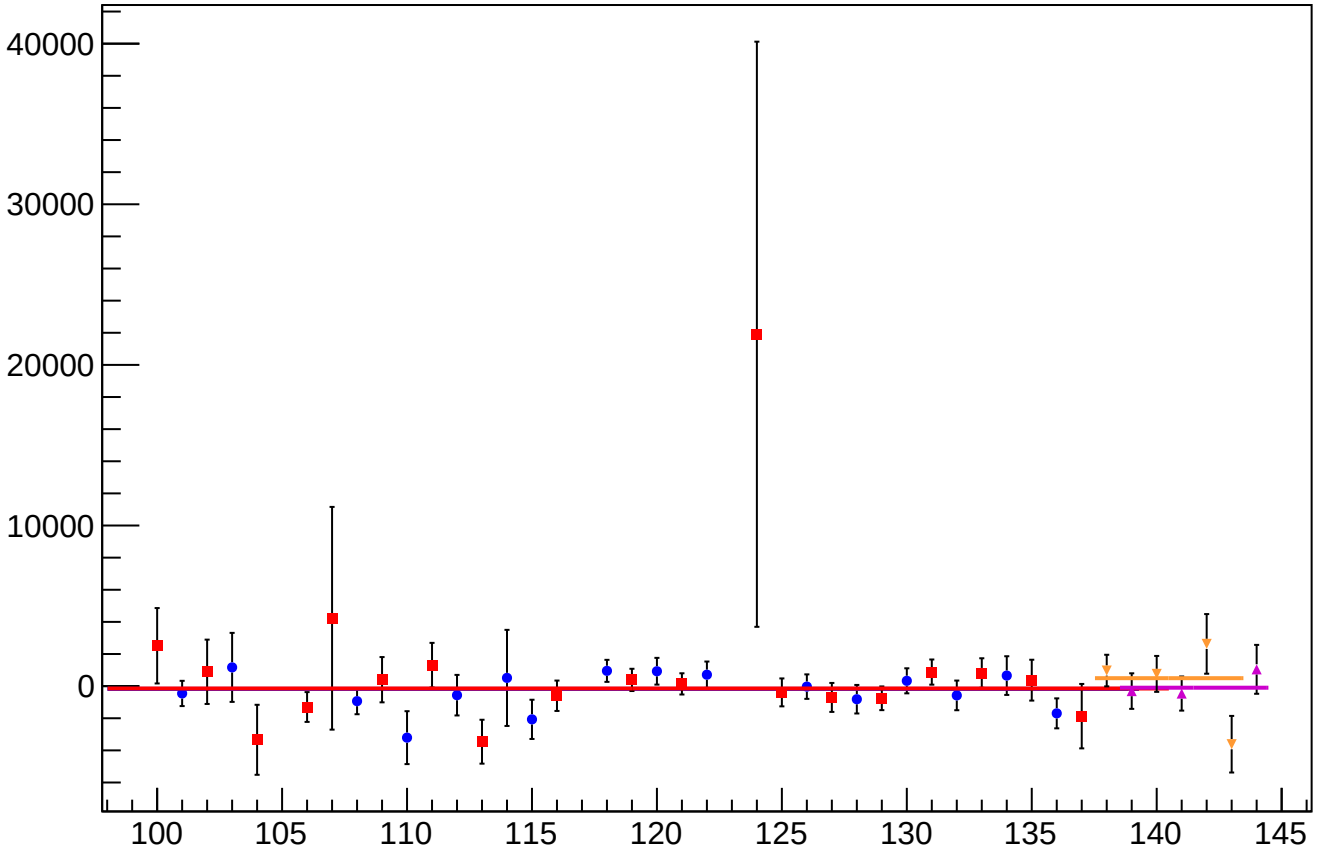
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1918.269+/-0.439 χ^2/NDF:664198.5/18

Out: 1844.320+/-0.415 χ^2/NDF:607371.4/22

All: 1879.174+/-0.301 χ^2/NDF: 1286563.7/41

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: 495.075+/-639.402 χ^2/NDF:7.1/3

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -98.087+/-684.669 χ^2/NDF:0.7/2

Left: 218.750+/-467.310 χ^2/NDF: 8.2/6

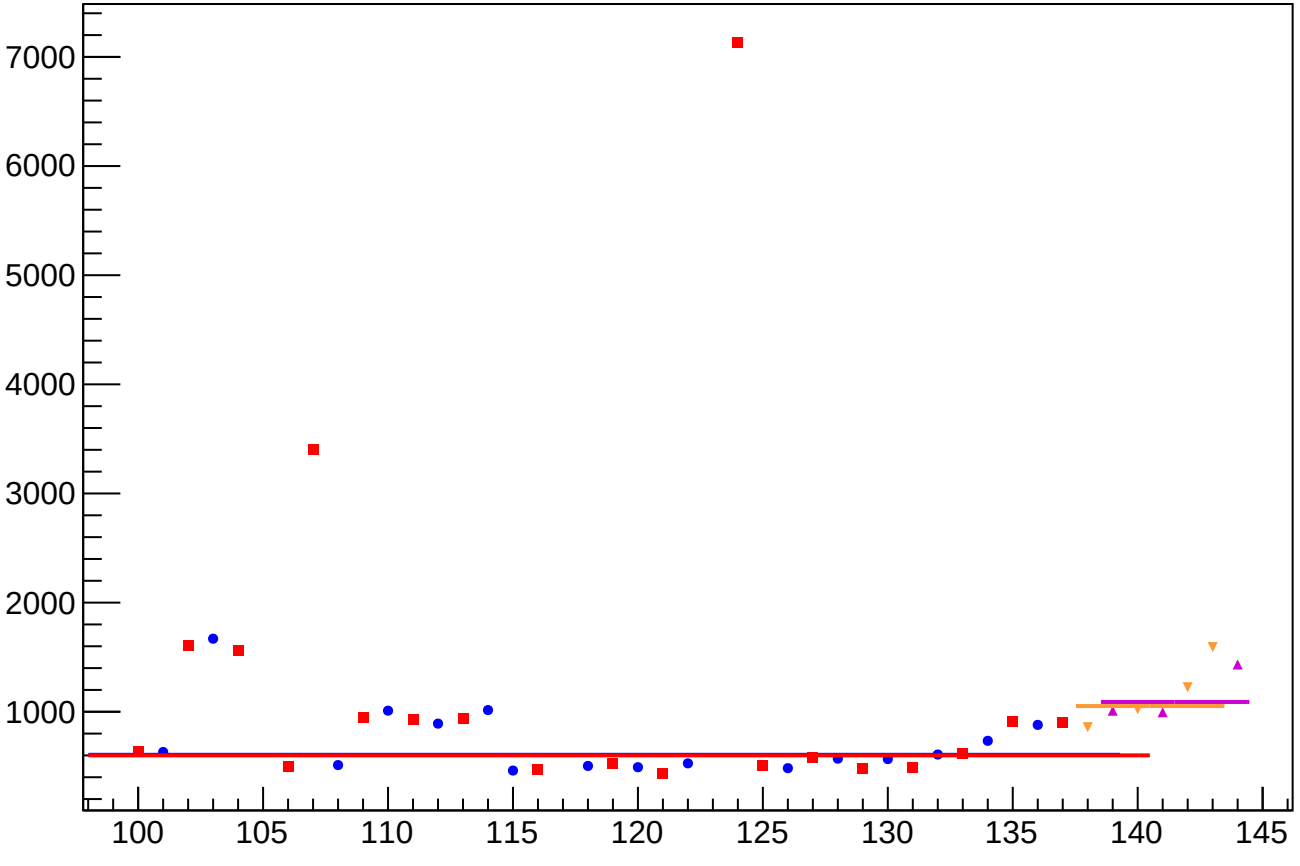
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -163.001+/-223.887 χ^2/NDF:18.0/18

Out: -66.483+/-227.025 χ^2/NDF:28.0/22

All: -115.413+/-159.410 χ^2/NDF: 46.1/41

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: 1052.202+/-0.452 χ^2/NDF:283951.8/3

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 1089.752+/-0.484 χ^2/NDF:128079.3/2

Left: 1069.694+/-0.330 χ^2/NDF: 415244.4/6

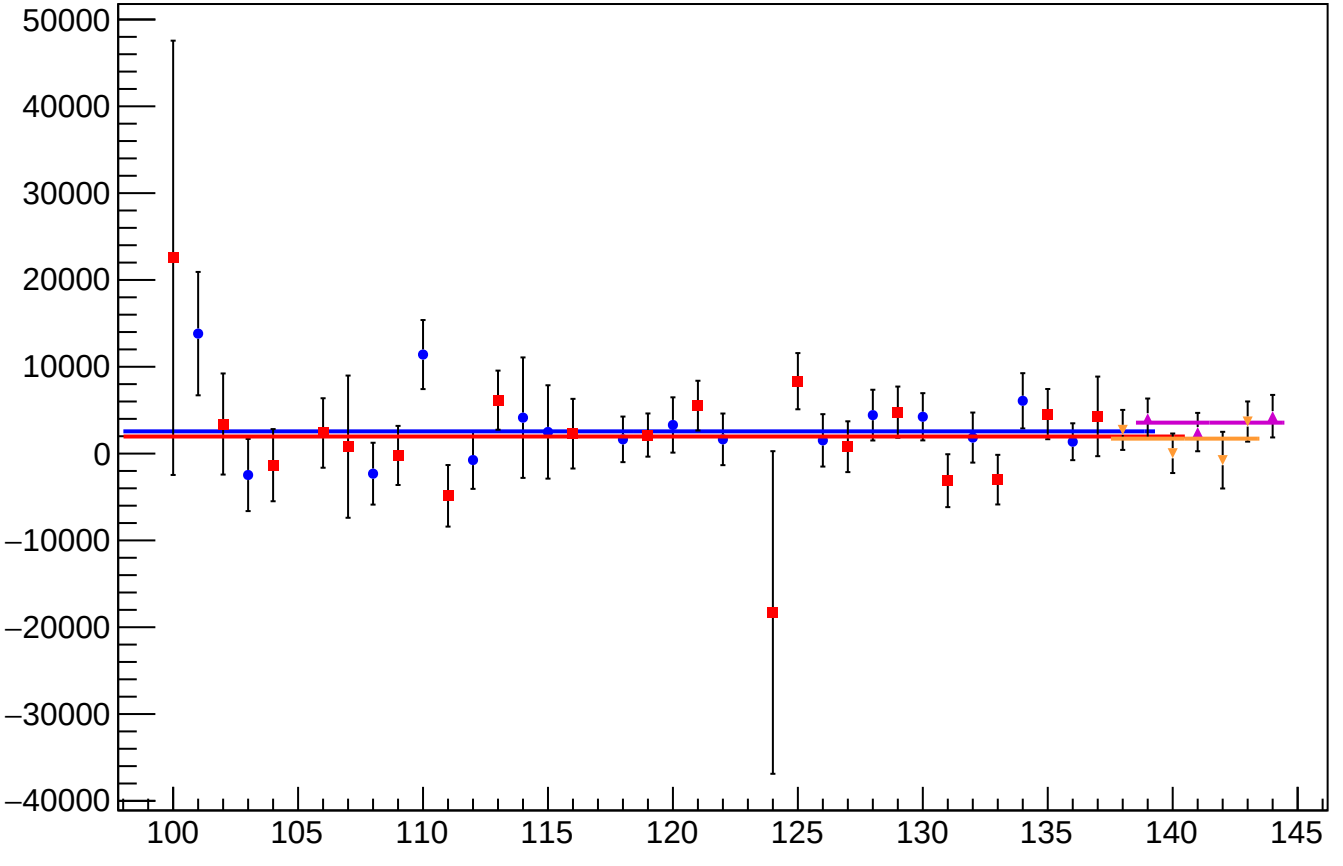
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 657.217+/-0.158 χ^2/NDF:2184309.0/18

Out: 657.397+/-0.161 χ^2/NDF:3484989.5/22

All: 657.306+/-0.113 χ^2/NDF: 5669299.2/41

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1721.428+/-1228.858 χ^2/NDF:2.0/3

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 3563.128+/-1330.304 χ^2/NDF:0.4/2

Left: 2569.387+/-902.670 χ^2/NDF: 3.5/6

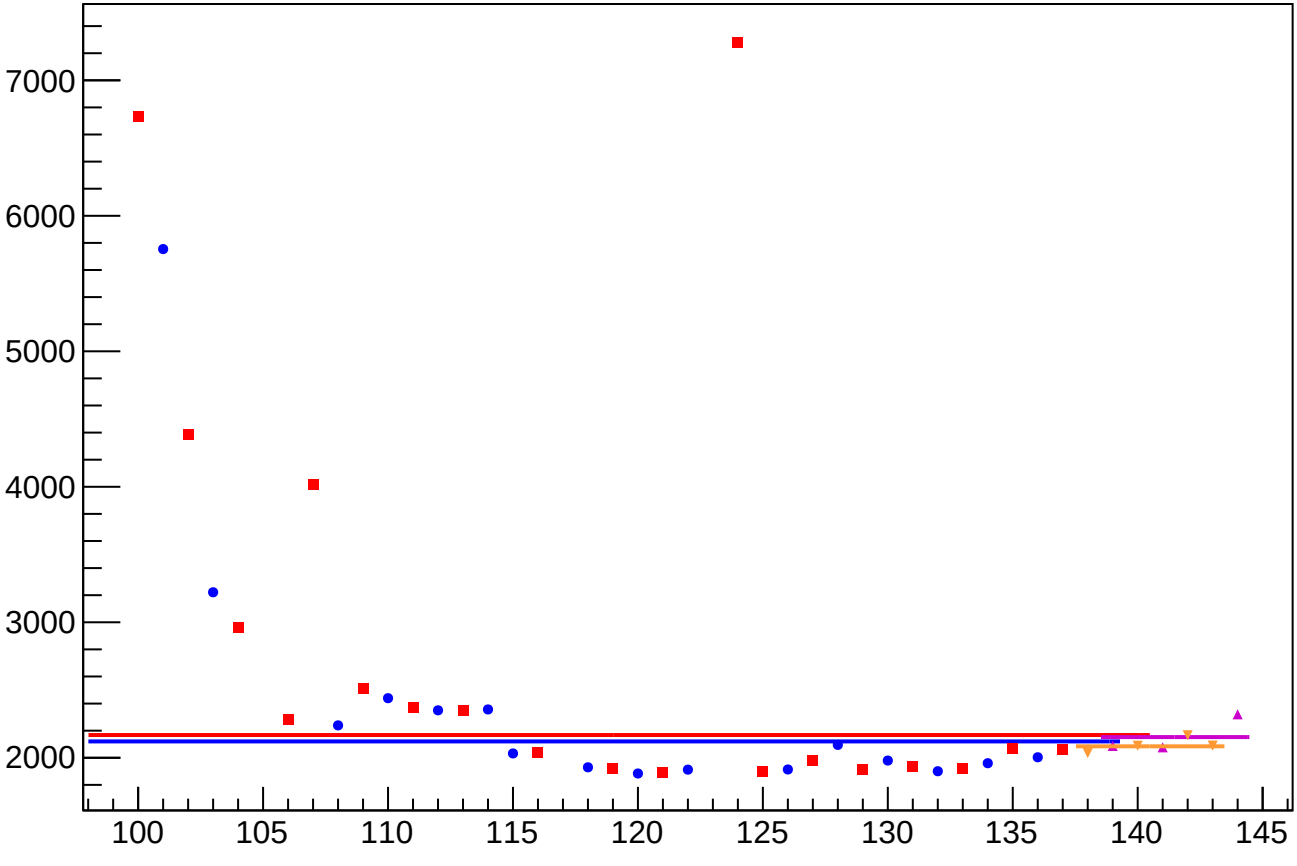
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2831.854+/-691.630 χ^2/NDF:15.4/18

Out: 1891.304+/-681.418 χ^2/NDF:23.7/22

All: 2354.584+/-485.405 χ^2/NDF: 40.0/41

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2084.571+/-0.869 χ^2/NDF:2225.3/3

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2152.650+/-0.941 χ^2/NDF:13405.9/2

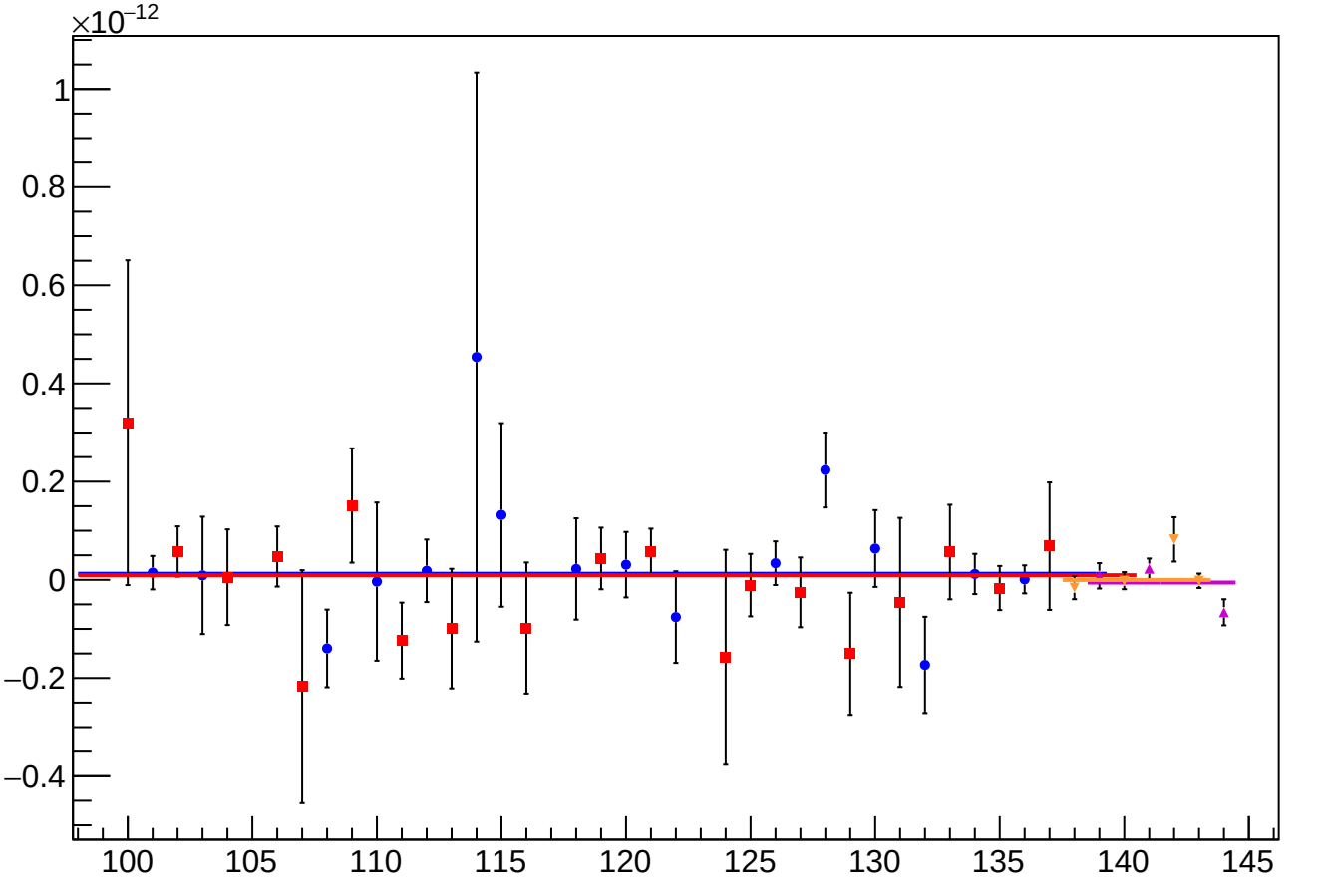
Left: 2115.916+/-0.638 χ^2/NDF: 18457.4/6

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2129.393+/-0.489 χ^2/NDF:774212.7/18

Out: 2142.236+/-0.482 χ^2/NDF:832510.3/22

All: 2135.910+/-0.343 χ^2/NDF: 1607073.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/2

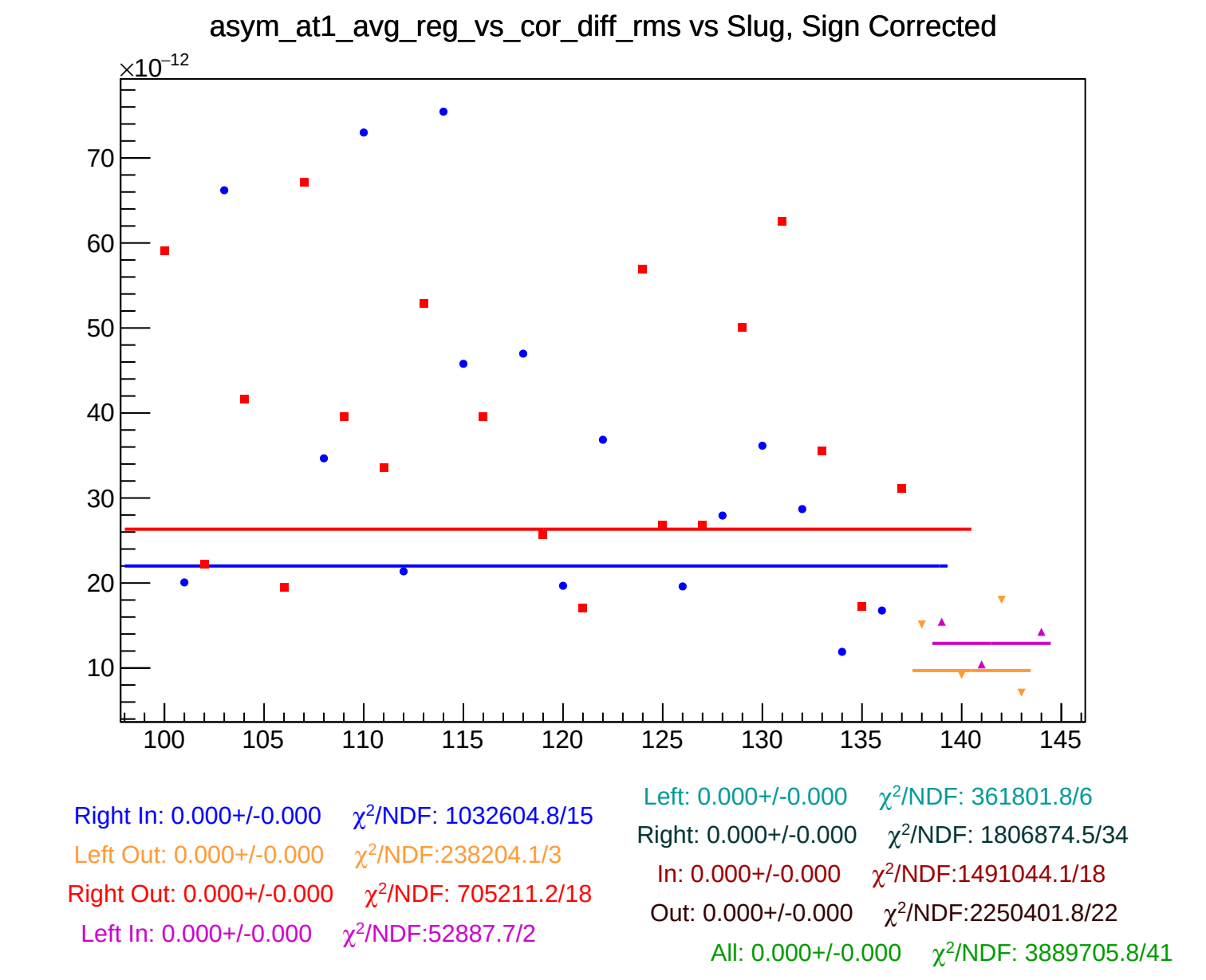
Left: -0.000+/-0.000 χ^2/NDF: 11.2/6

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: 0.000+/-0.000 χ^2/NDF:25.9/18

Out: 0.000+/-0.000 χ^2/NDF:17.8/22

All: 0.000+/-0.000 χ^2/NDF: 43.7/41


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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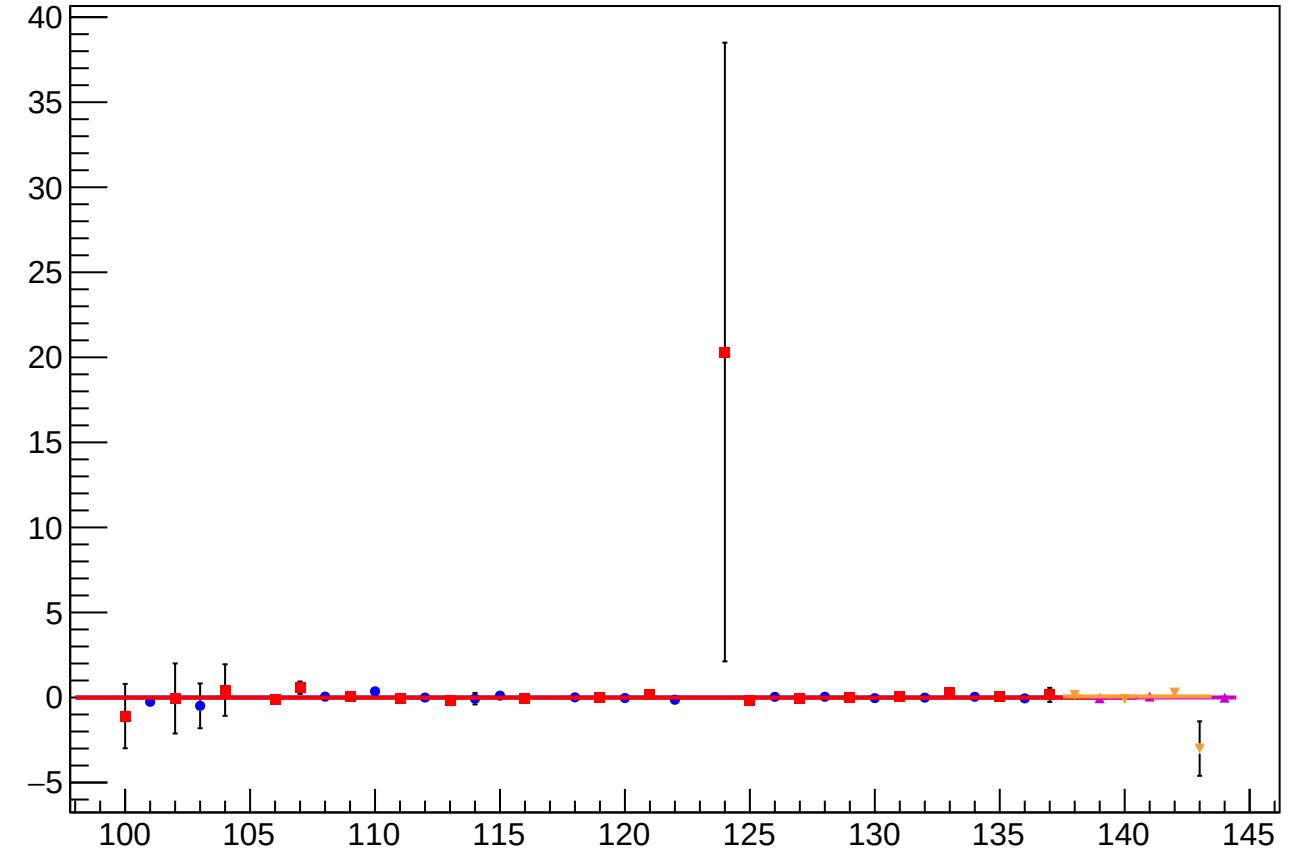
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:238204.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:52887.7/2
Left: 0.000+/-0.000 χ²/NDF: 361801.8/6
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1491044.1/18
Out: 0.000+/-0.000 χ²/NDF:2250401.8/22
All: 0.000+/-0.000 χ²/NDF: 3889705.8/41



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.002+/-0.047 χ^2/NDF:1.0/2

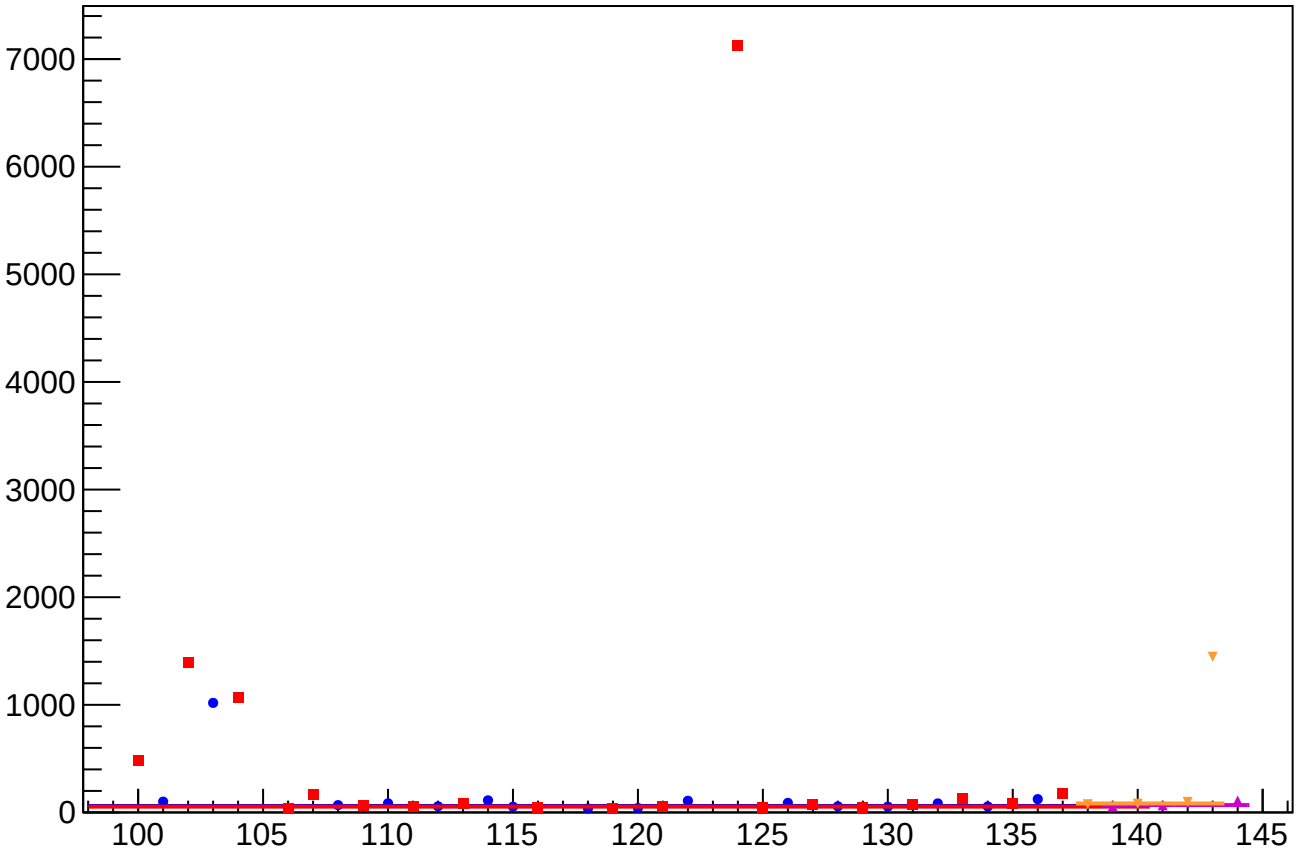
Left: 0.025+/-0.037 χ^2/NDF: 10.8/6

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.023 χ^2/NDF:12.4/18

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/41



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480152.2/3

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 68.512+/-0.033 χ^2/NDF:313667.5/2

Left: 74.059+/-0.026 χ^2/NDF: 1870799.8/6

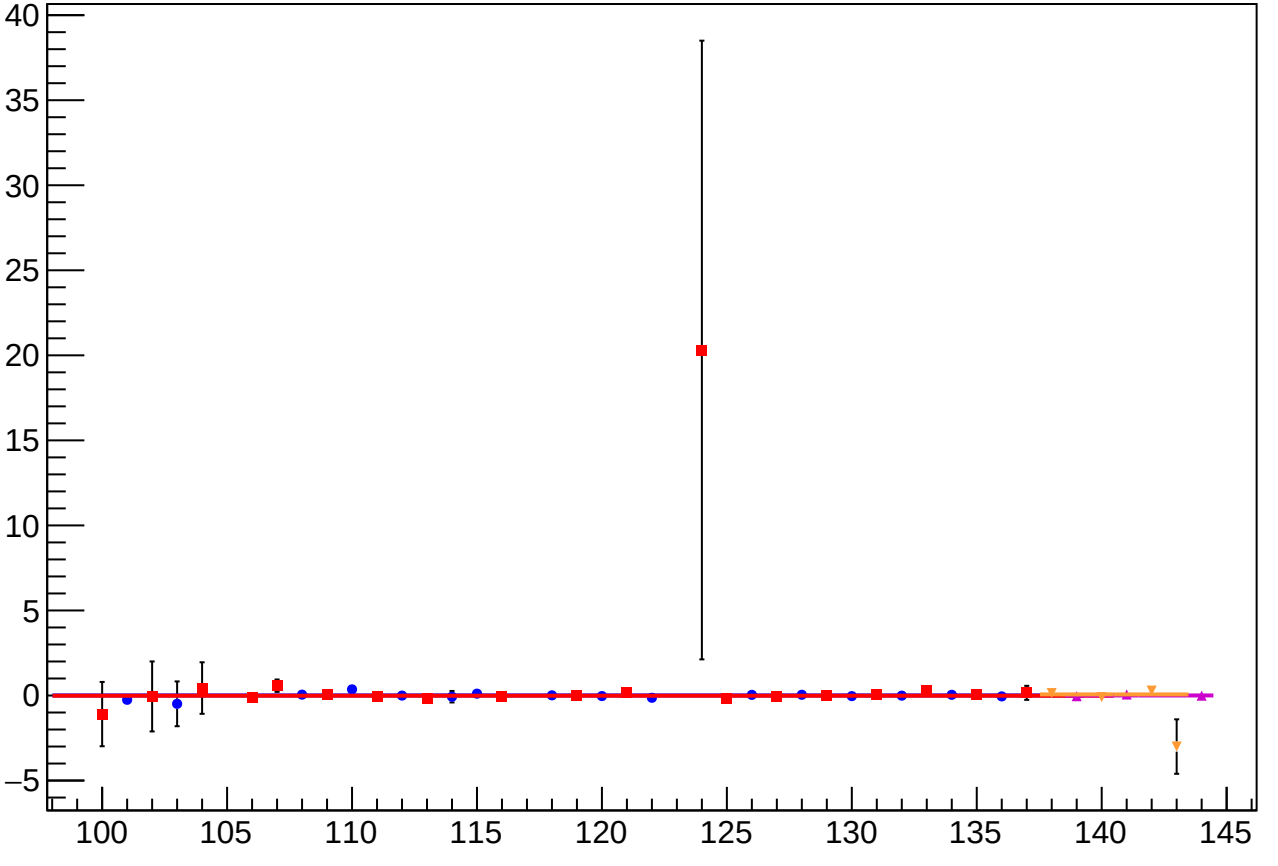
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 61.980+/-0.016 χ^2/NDF:2904545.6/18

Out: 58.674+/-0.017 χ^2/NDF:5392003.6/22

All: 60.369+/-0.012 χ^2/NDF: 8316365.5/41

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: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.002+/-0.047 χ^2/NDF:1.0/2

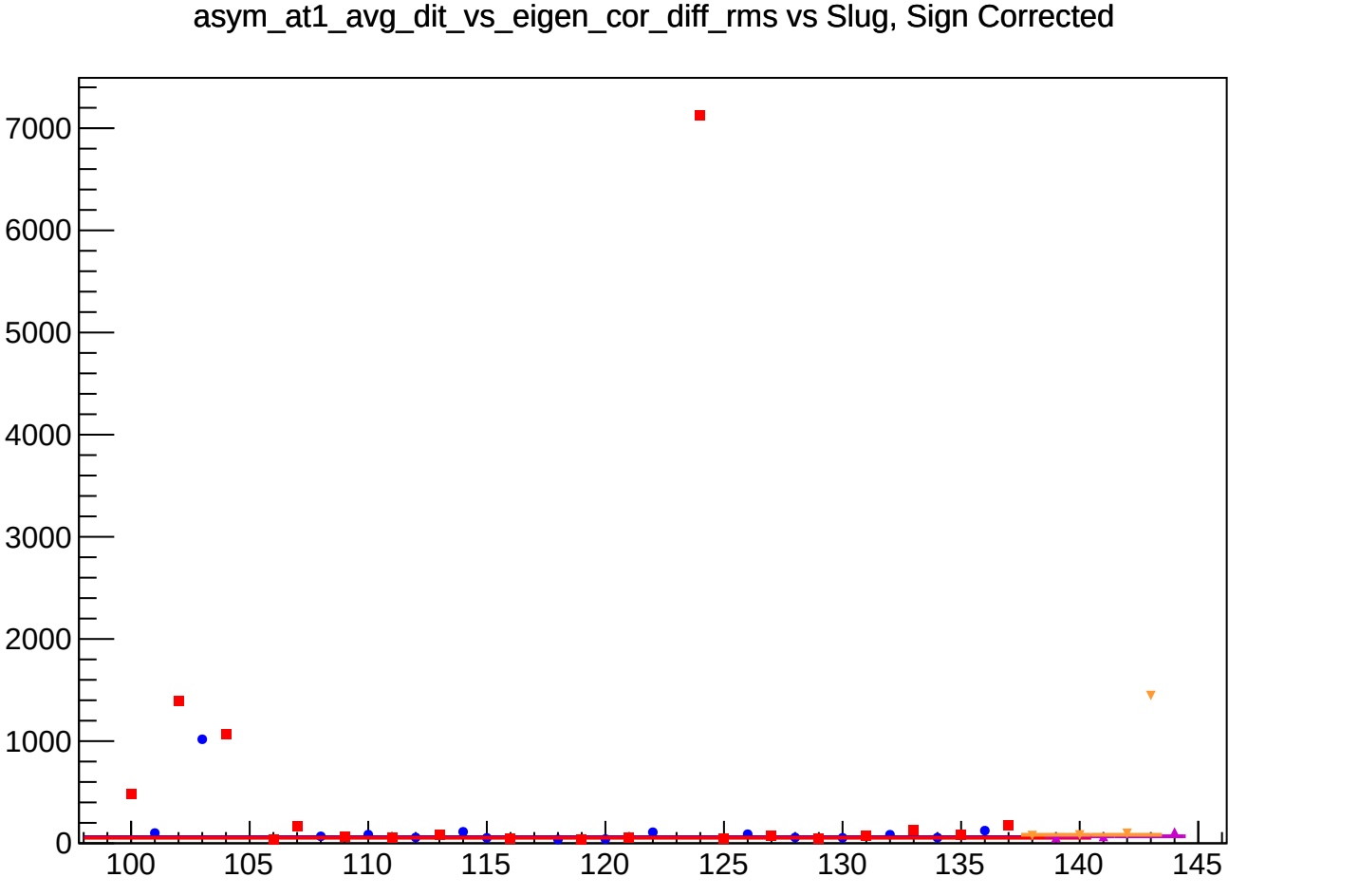
Left: 0.025+/-0.037 χ^2/NDF: 10.8/6

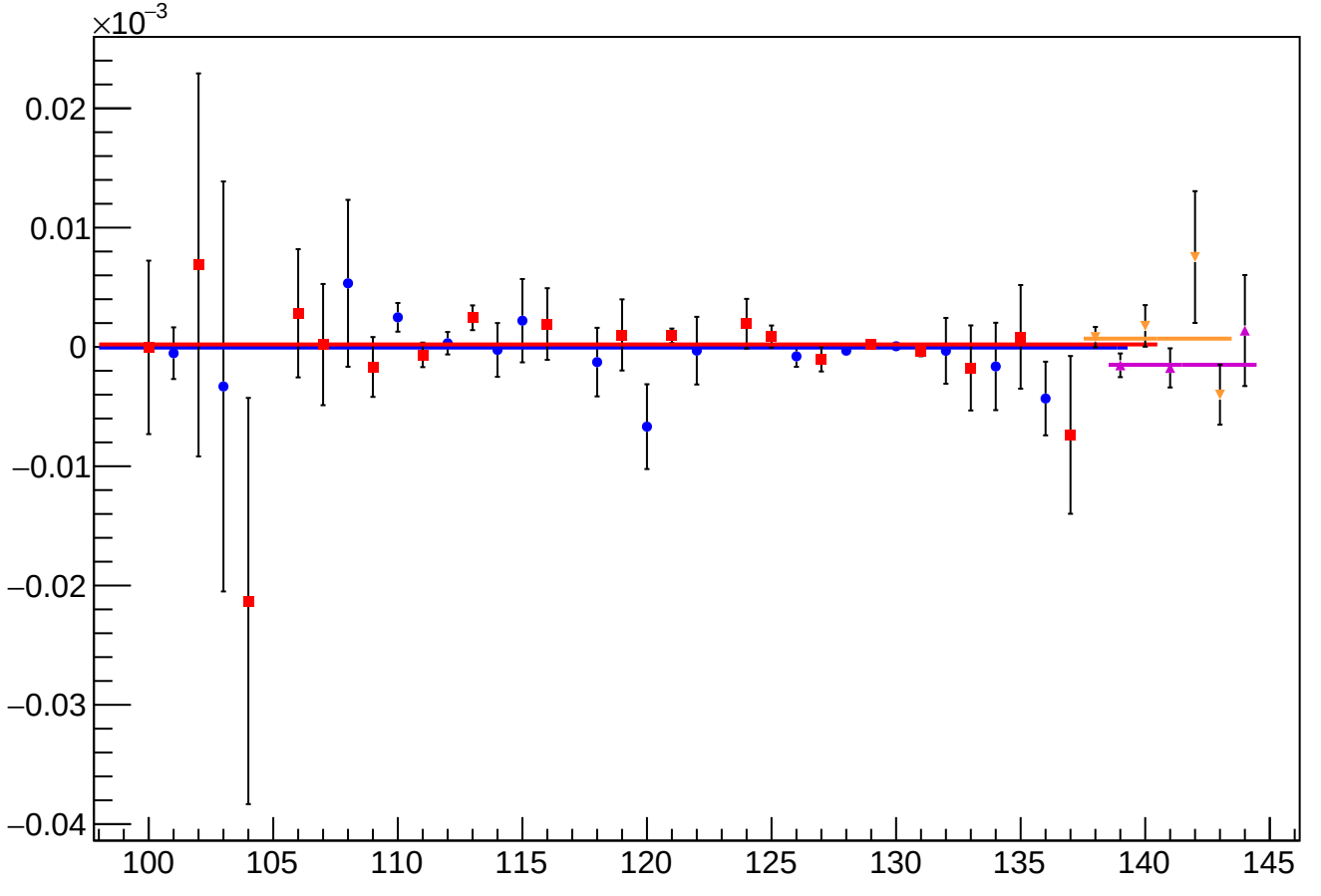
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.023 χ^2/NDF:12.4/18

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/41


asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
0
100
105
110
115
120
125
130
135
140
145
Right In: 59.840+/-0.019 χ2/NDF: 2538867.4/15
Left Out: 83.625+/-0.043 χ2/NDF:1480152.2/3
Right Out: 54.249+/-0.018 χ2/NDF: 3521580.5/18
Left In: 68.512+/-0.033 χ2/NDF:313667.5/2
Left: 74.059+/-0.026 χ2/NDF: 1870799.8/6
Right: 56.948+/-0.013 χ2/NDF: 6105751.4/34
In: 61.980+/-0.016 χ2/NDF:2904545.6/18
Out: 58.674+/-0.017 χ2/NDF:5392003.6/22
All: 60.369+/-0.012 χ2/NDF: 8316365.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

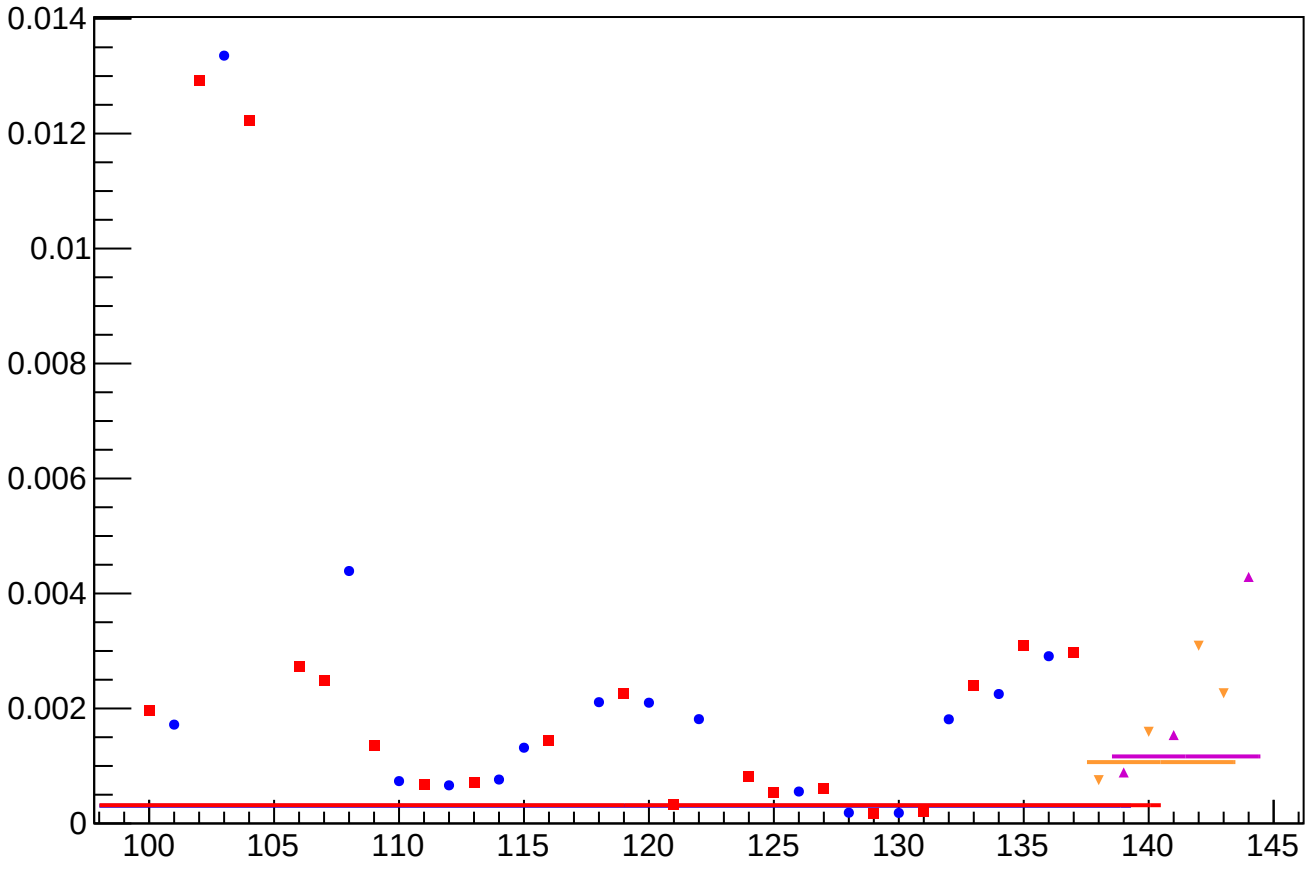
Left: -0.000+/-0.000 χ^2/NDF: 9.7/6

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:16.1/18

Out: 0.000+/-0.000 χ^2/NDF:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 39.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1173280.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1161680.5/2

Left: 0.001+/-0.000 χ^2/NDF: 2350837.9/6

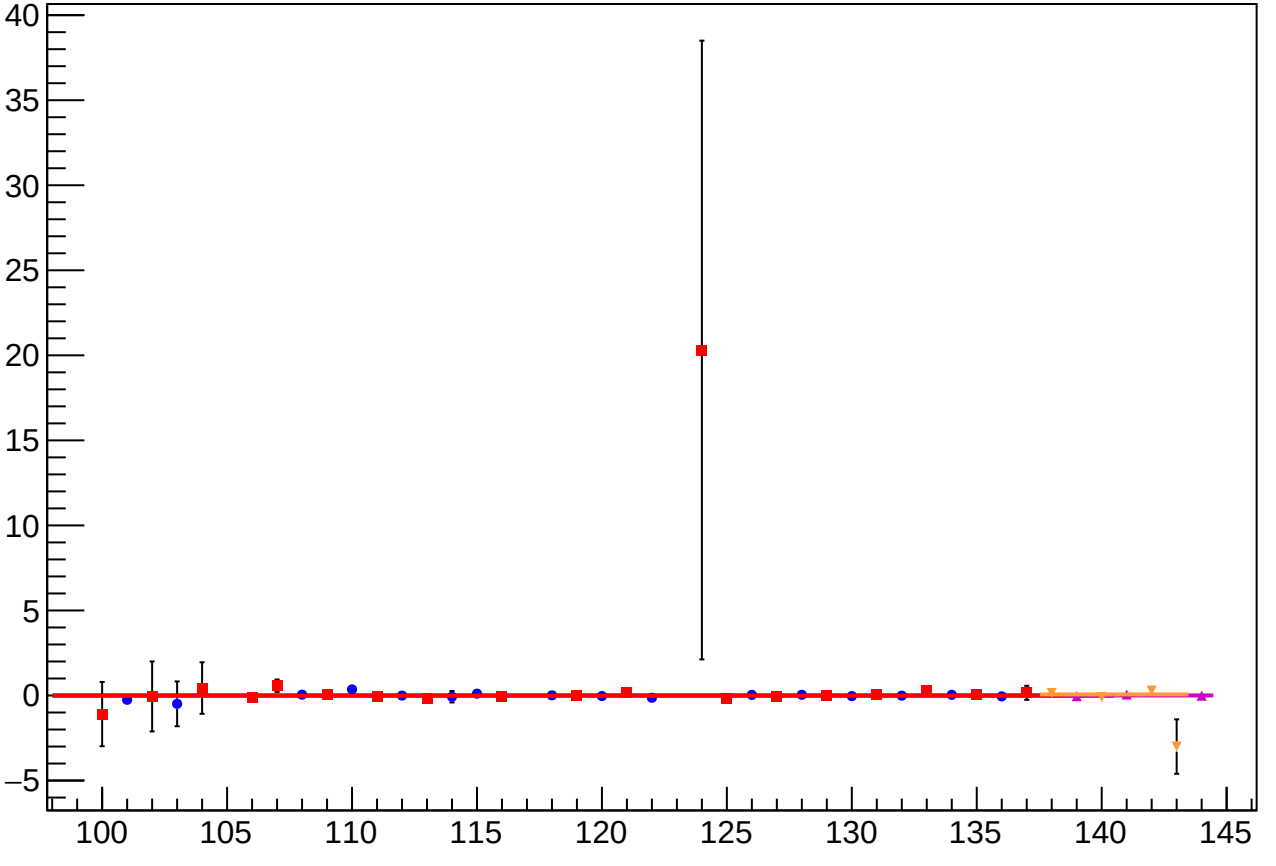
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:11917465.2/18

Out: 0.000+/-0.000 χ^2/NDF:11169396.1/22

All: 0.000+/-0.000 χ^2/NDF: 23092710.1/41

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: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.002+/-0.047 χ^2/NDF:1.0/2

Left: 0.025+/-0.037 χ^2/NDF: 10.8/6

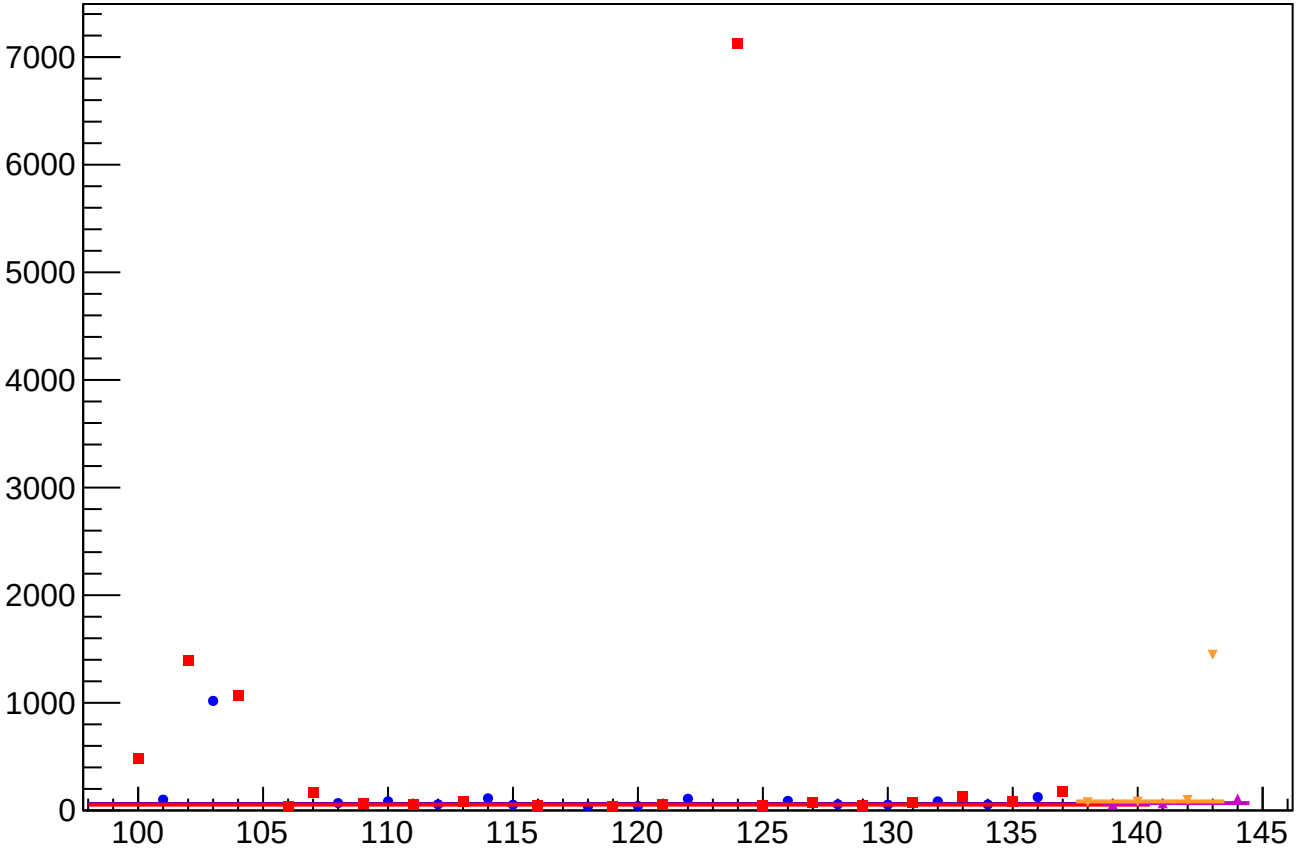
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.023 χ^2/NDF:12.4/18

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/41

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: 83.625+/-0.043 χ^2/NDF:1480154.0/3

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 68.512+/-0.033 χ^2/NDF:313672.2/2

Left: 74.059+/-0.026 χ^2/NDF: 1870807.3/6

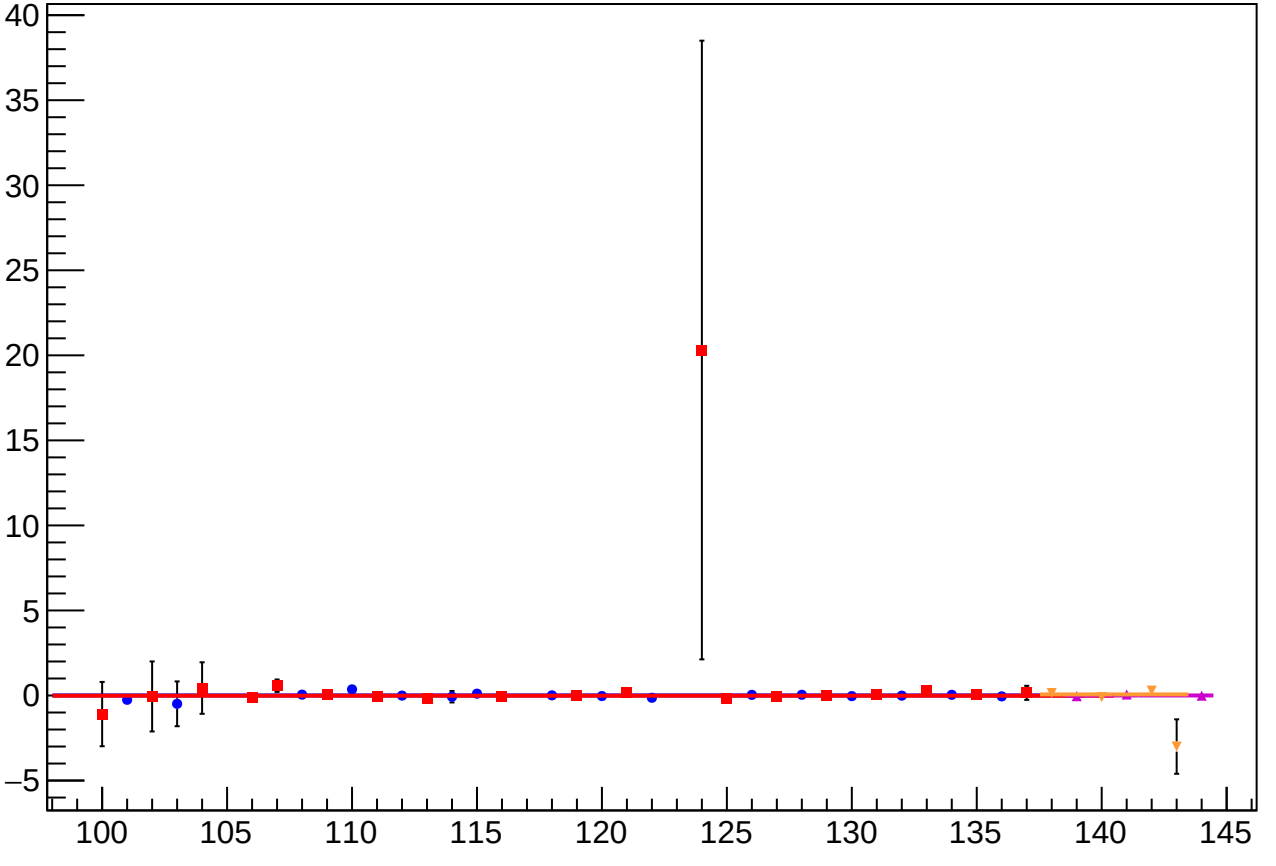
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 61.980+/-0.016 χ^2/NDF:2904565.1/18

Out: 58.673+/-0.017 χ^2/NDF:5392094.0/22

All: 60.369+/-0.012 χ^2/NDF: 8316485.4/41

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: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.002+/-0.047 χ^2/NDF:1.0/2

Left: 0.025+/-0.037 χ^2/NDF: 10.8/6

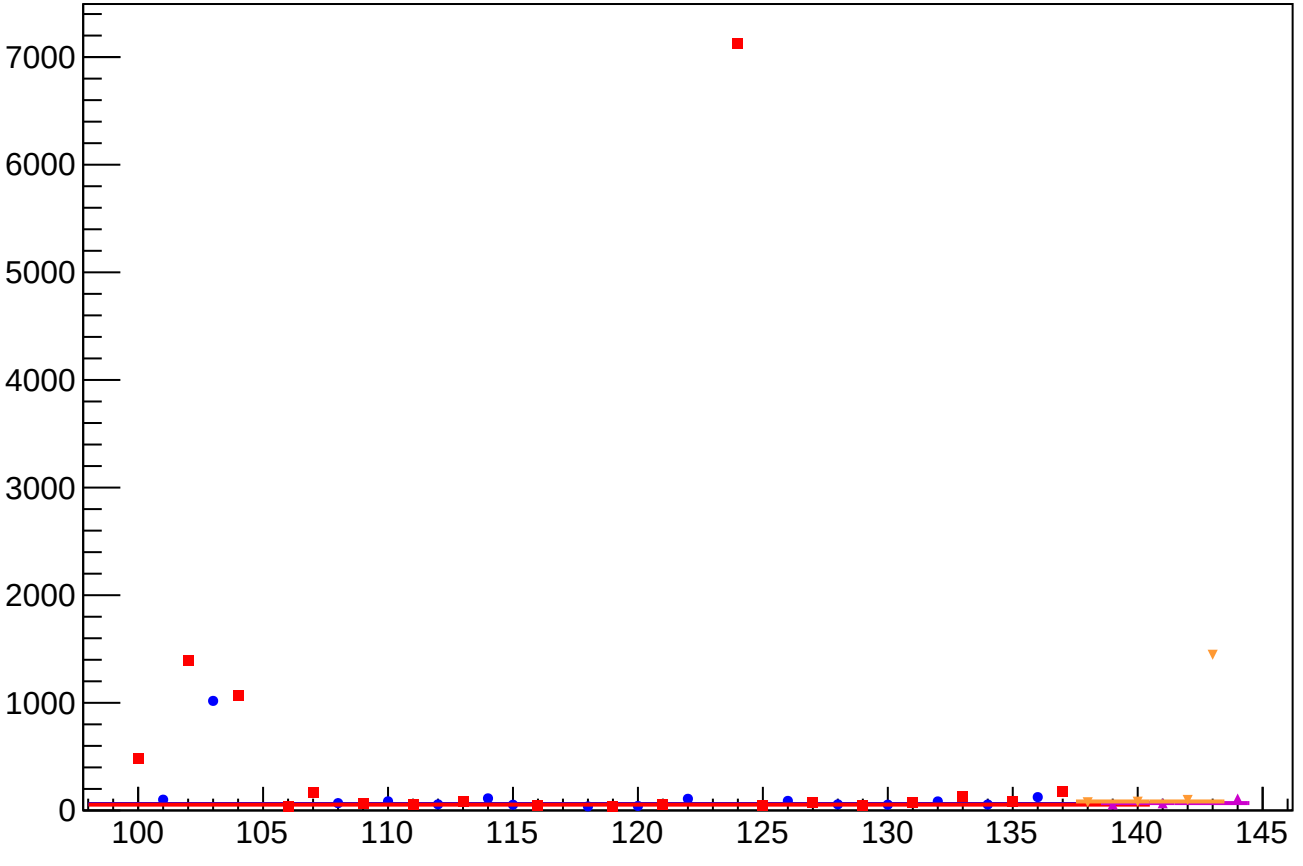
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.023 χ^2/NDF:12.4/18

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/41

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: 83.625+/-0.043 χ^2/NDF:1480154.0/3

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 68.512+/-0.033 χ^2/NDF:313672.2/2

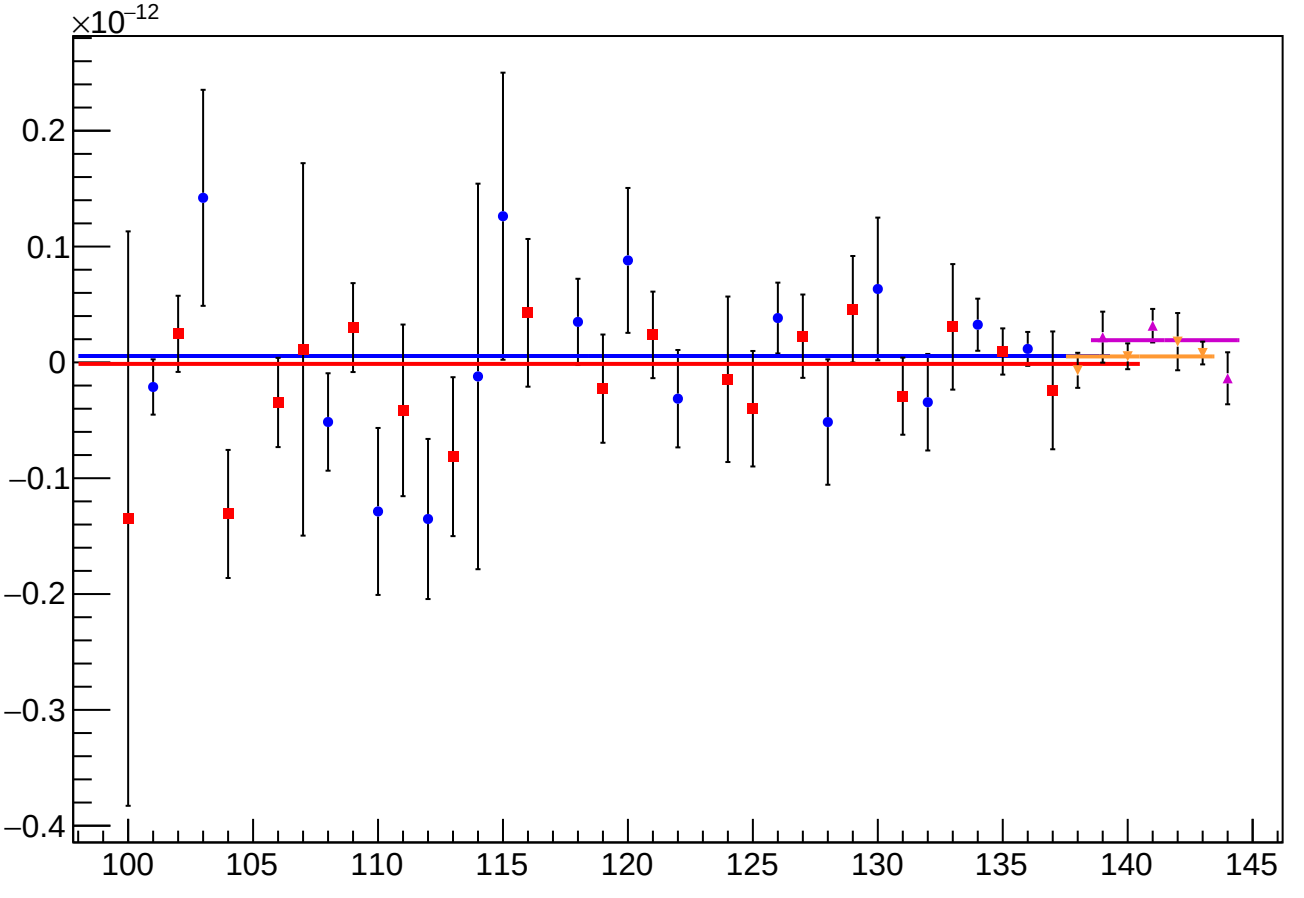
Left: 74.059+/-0.026 χ^2/NDF: 1870807.3/6

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 61.980+/-0.016 χ^2/NDF:2904565.1/18

Out: 58.673+/-0.017 χ^2/NDF:5392094.0/22

All: 60.369+/-0.012 χ^2/NDF: 8316485.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/2

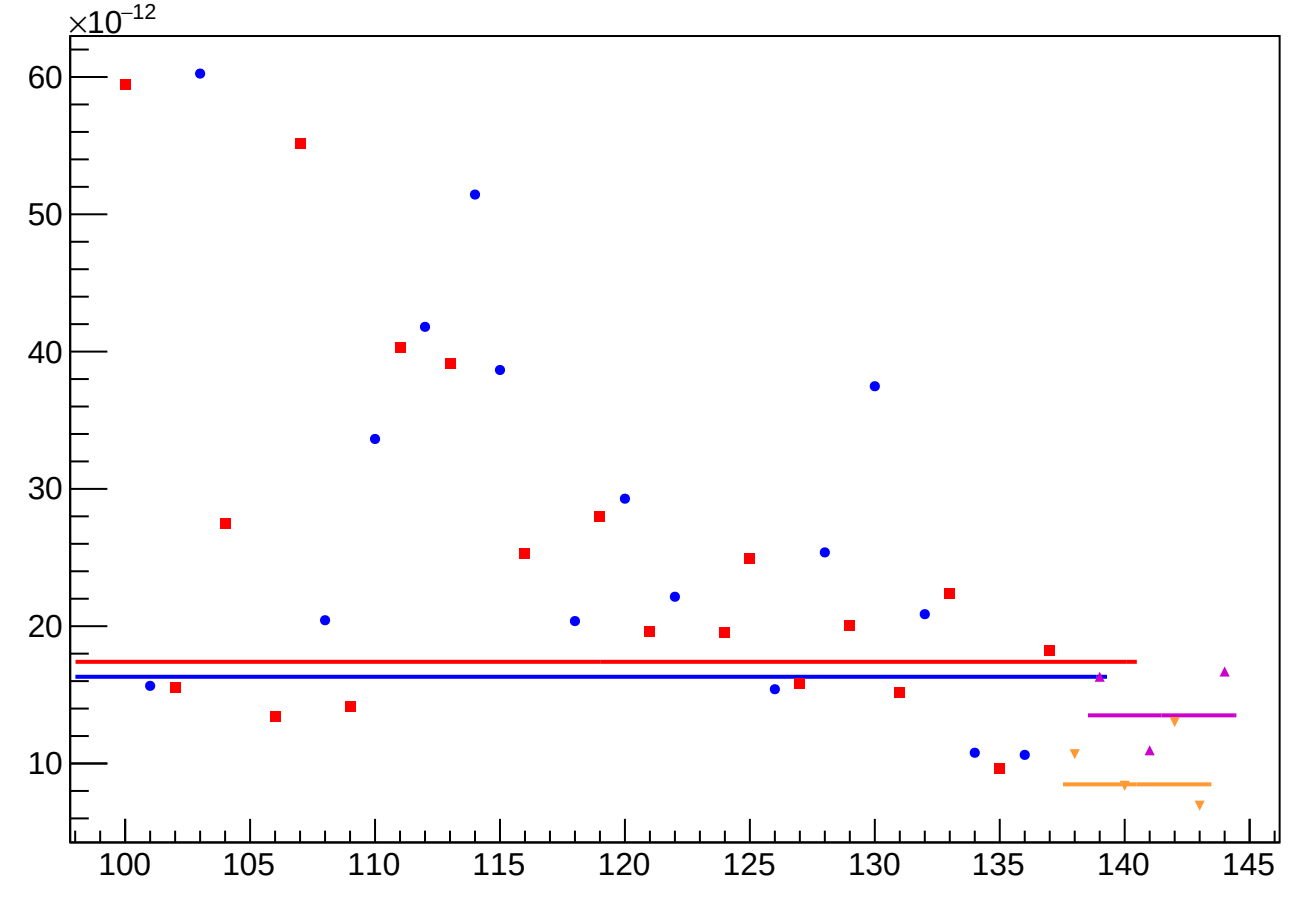
Left: 0.000+/-0.000 χ^2/NDF: 5.2/6

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:26.5/18

Out: 0.000+/-0.000 χ^2/NDF:15.6/22

All: 0.000+/-0.000 χ^2/NDF: 42.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:159759.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:134937.6/2

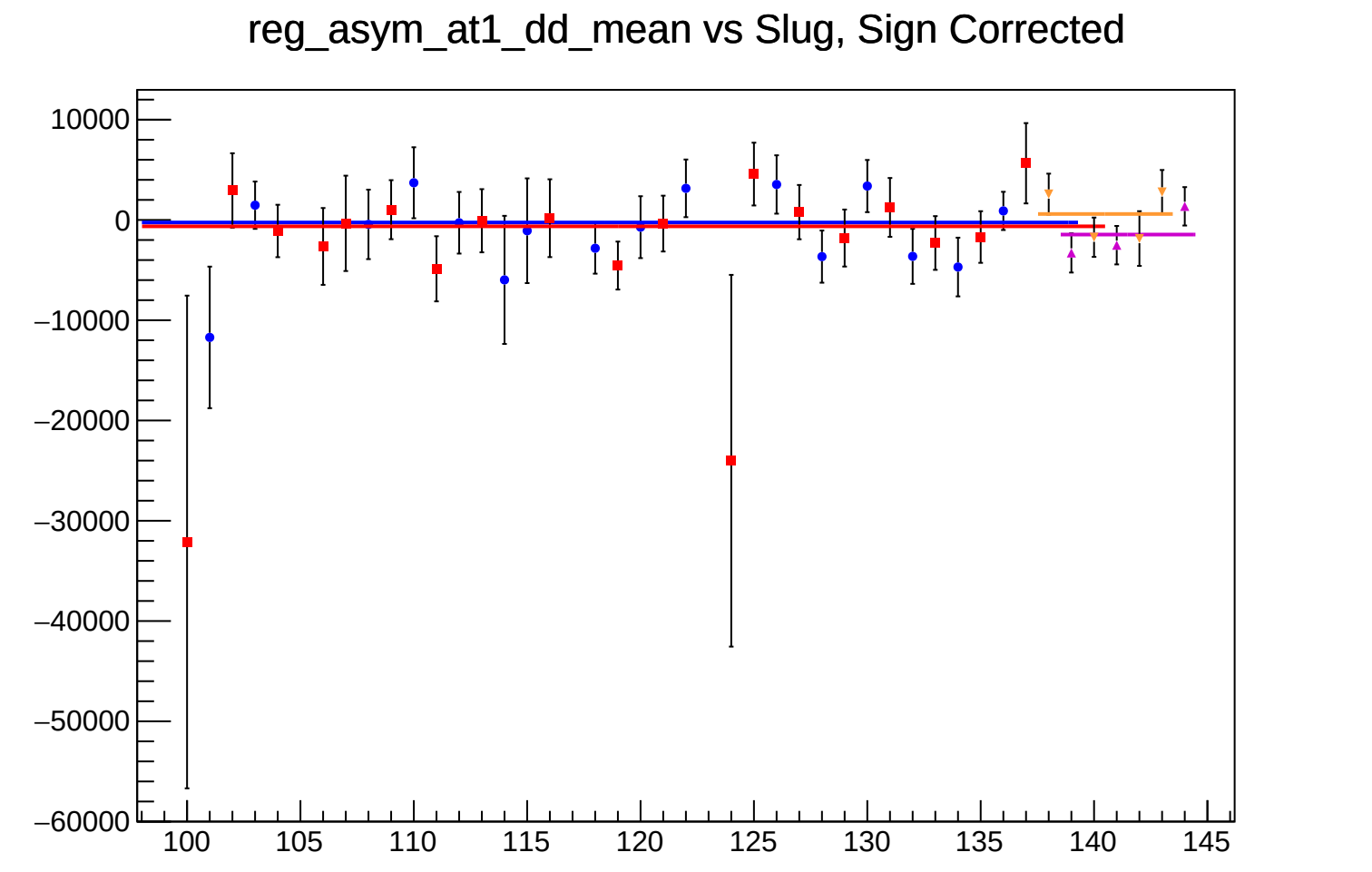
Left: 0.000+/-0.000 χ^2/NDF: 622070.8/6

Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:2113888.7/18

Out: 0.000+/-0.000 χ^2/NDF:2523605.2/22

All: 0.000+/-0.000 χ^2/NDF: 5080915.5/41



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 594.640+/-1089.401 χ^2/NDF:4.1/3

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -1456.193+/-1113.825 χ^2/NDF:3.3/2

Left: -408.044+/-778.815 χ^2/NDF: 9.2/6

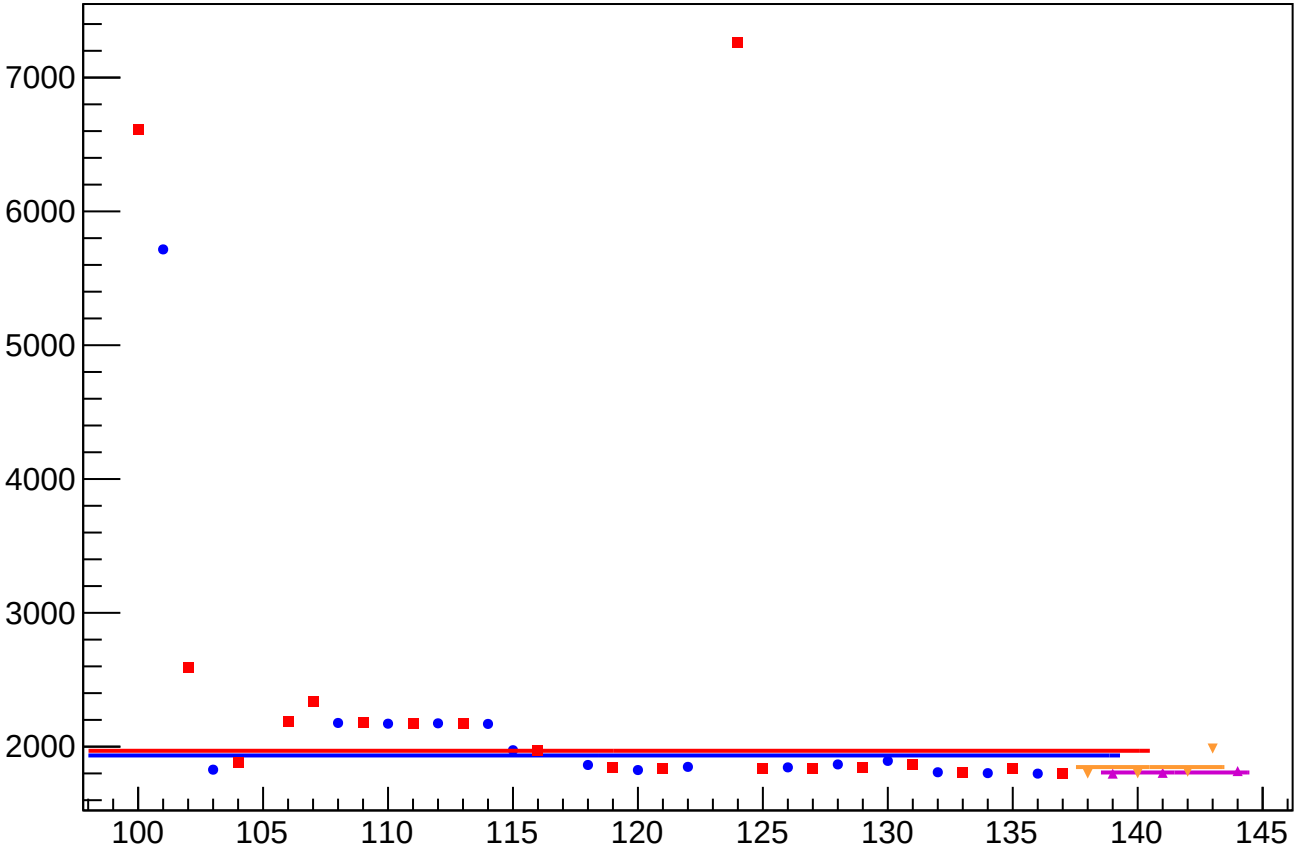
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -616.886+/-613.534 χ^2/NDF:21.4/18

Out: -250.759+/-609.565 χ^2/NDF:20.9/22

All: -432.634+/-432.424 χ^2/NDF: 42.5/41

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

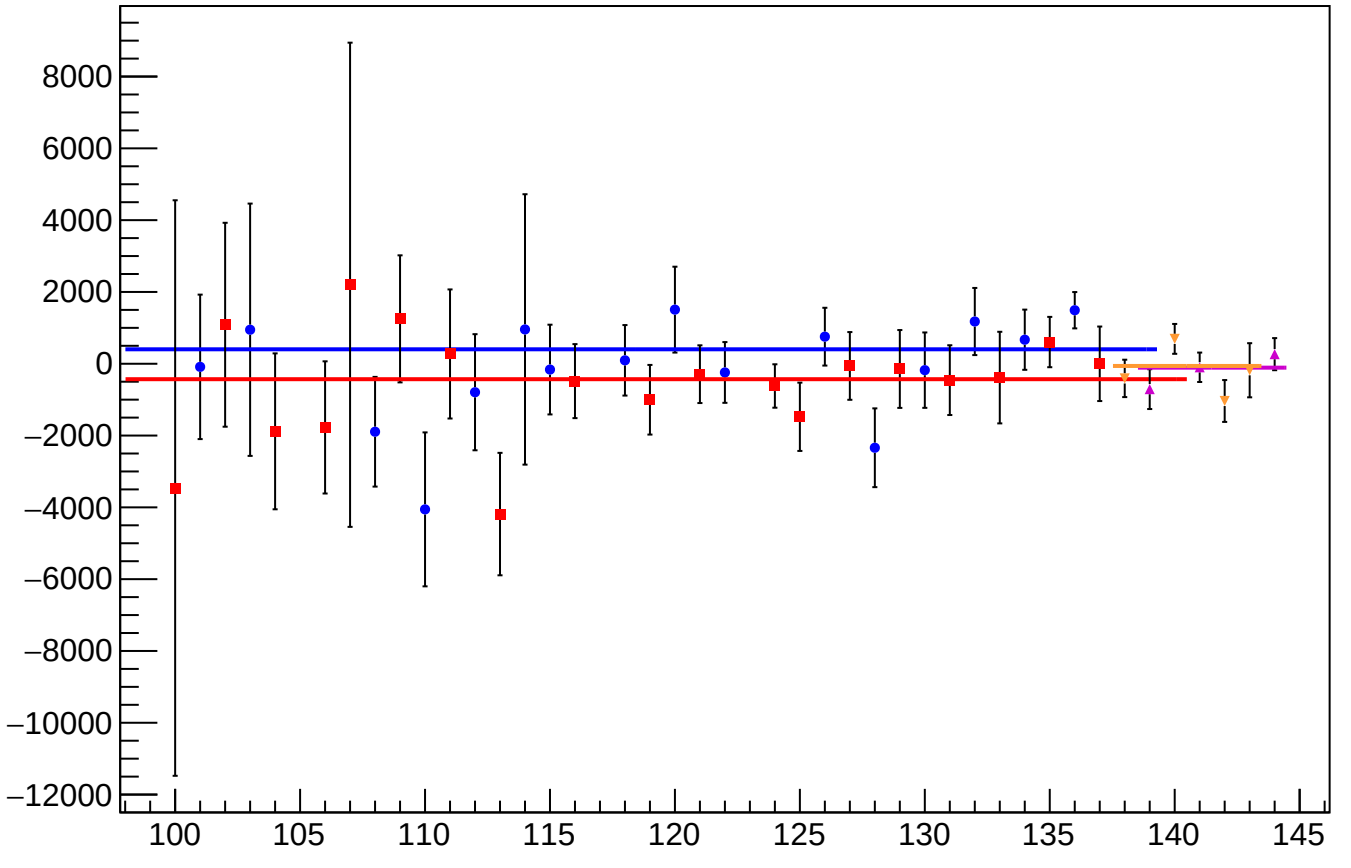
Left: 1827.726+/-0.551 χ^2/NDF: 11984.2/6

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1895.640+/-0.434 χ^2/NDF:658173.9/18

Out: 1931.093+/-0.431 χ^2/NDF:406068.4/22

All: 1913.482+/-0.306 χ^2/NDF: 1067603.1/41



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: -61.407+/-265.622 χ^2/NDF:6.6/3

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -108.702+/-265.239 χ^2/NDF:1.9/2

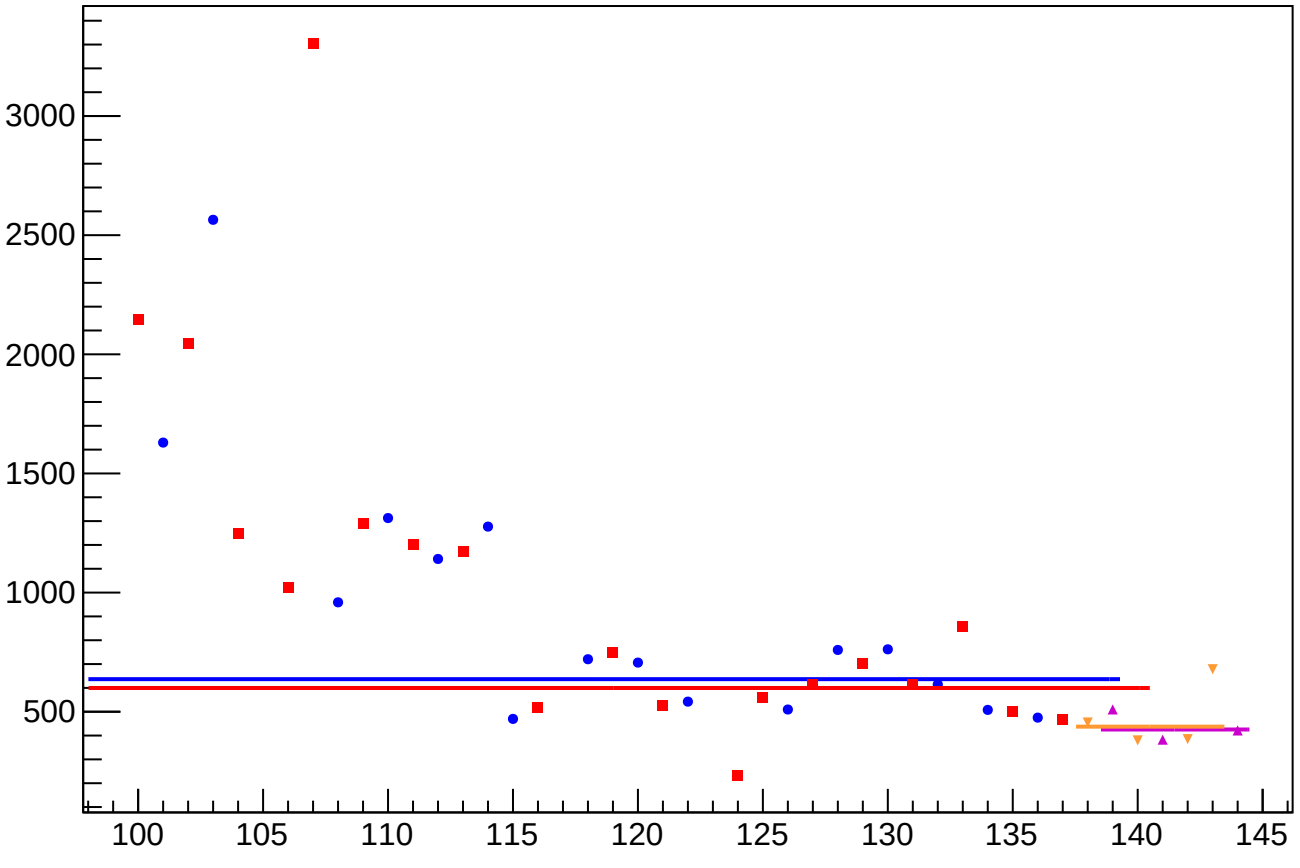
Left: -85.089+/-187.687 χ^2/NDF: 8.4/6

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 153.467+/-185.151 χ^2/NDF:24.9/18

Out: -254.832+/-183.131 χ^2/NDF:19.3/22

All: -52.922+/-130.201 χ^2/NDF: 46.7/41



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 437.408+/-0.188 χ^2/NDF:260939.7/3

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 425.404+/-0.188 χ^2/NDF:67887.0/2

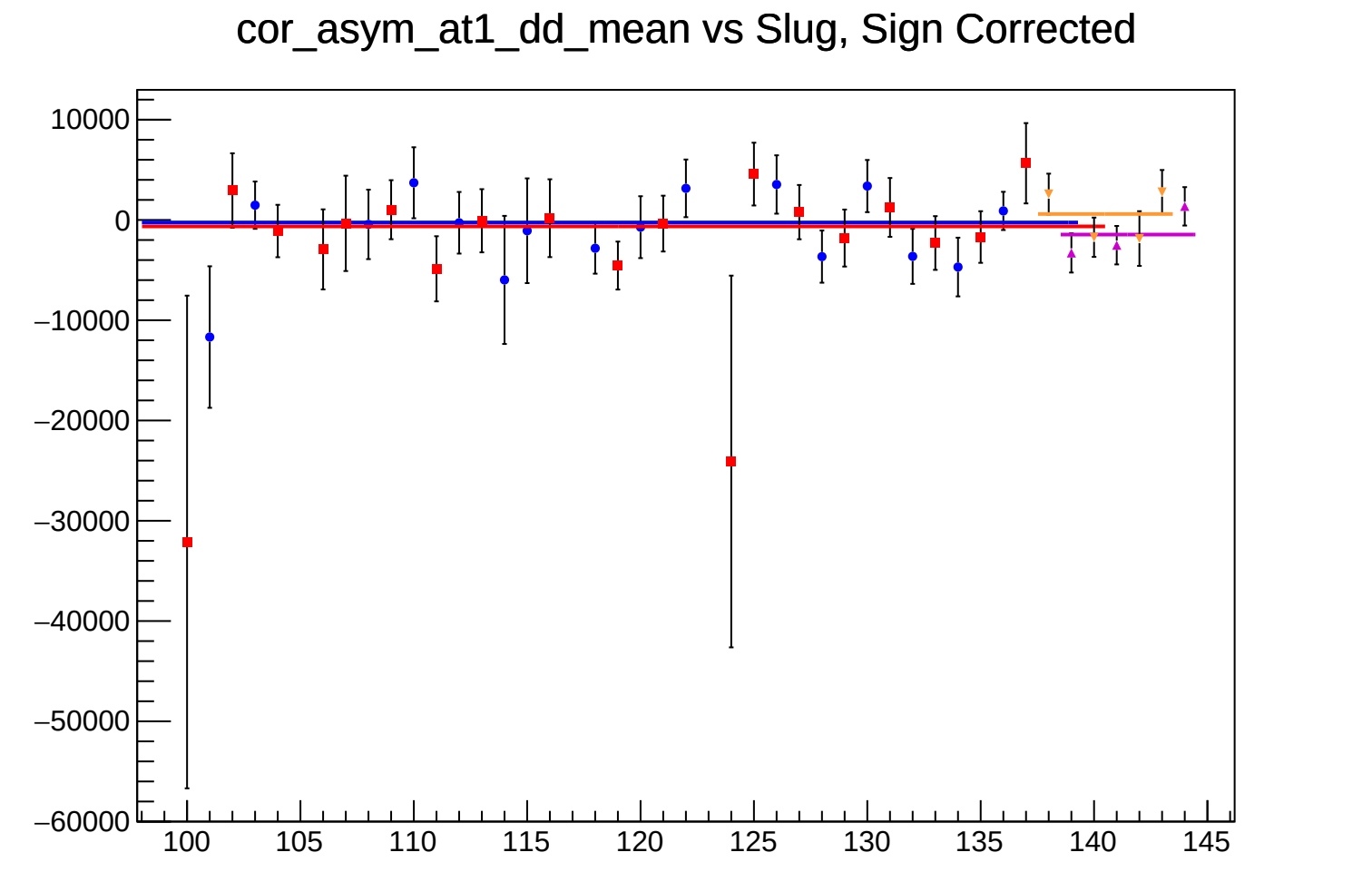
Left: 431.397+/-0.133 χ^2/NDF: 330871.9/6

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

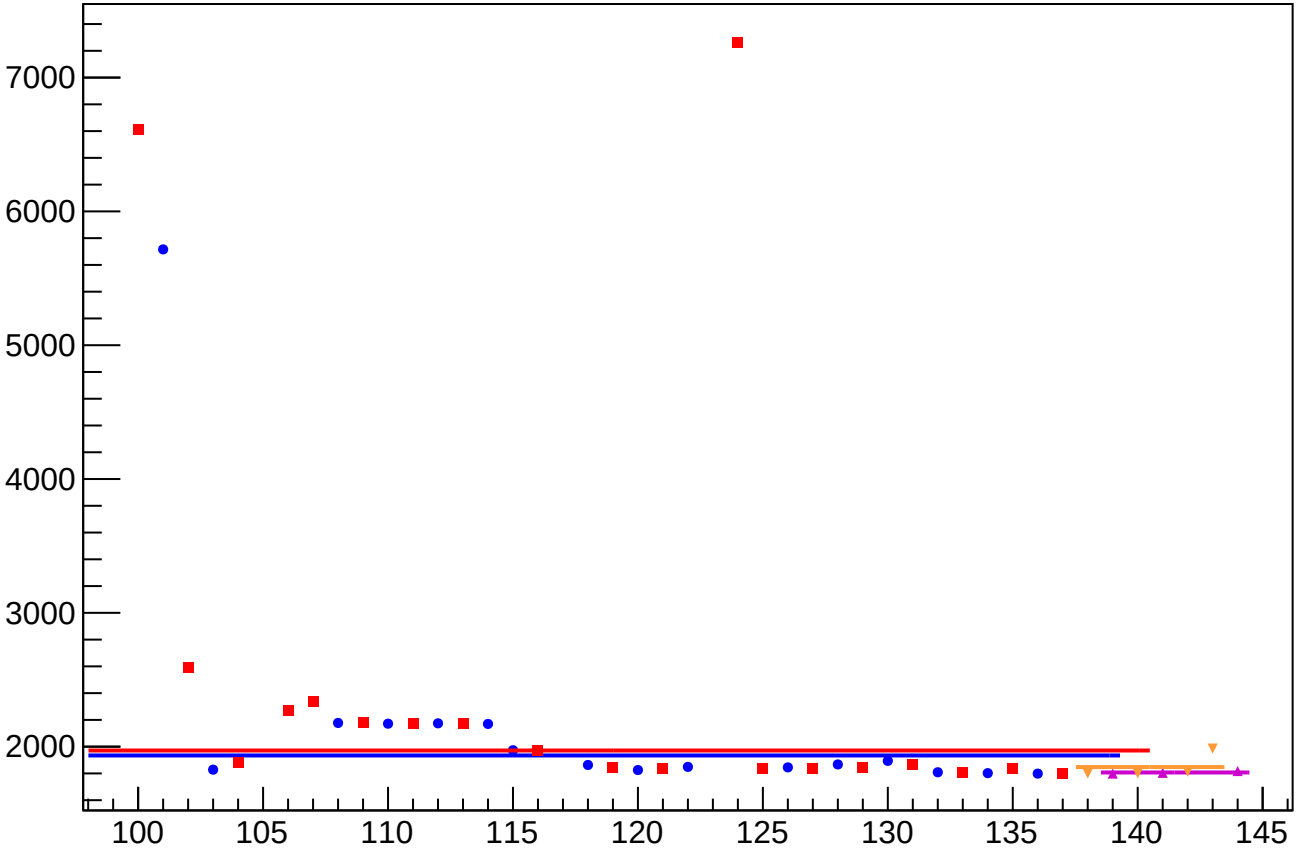
In: 533.740+/-0.131 χ^2/NDF:2785539.4/18

Out: 522.522+/-0.129 χ^2/NDF:3596437.2/22

All: 528.069+/-0.092 χ^2/NDF: 6385687.9/41


cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
105
110
115
120
125
130
135
140
145
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: 594.578+/-1089.401 χ²/NDF:4.1/3
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -1456.277+/-1113.825 χ²/NDF:3.3/2
Left: -408.118+/-778.815 χ²/NDF: 9.2/6
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -616.347+/-613.534 χ²/NDF:21.4/18
Out: -253.290+/-610.175 χ²/NDF:21.0/22
All: -433.822+/-432.642 χ²/NDF: 42.6/41

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

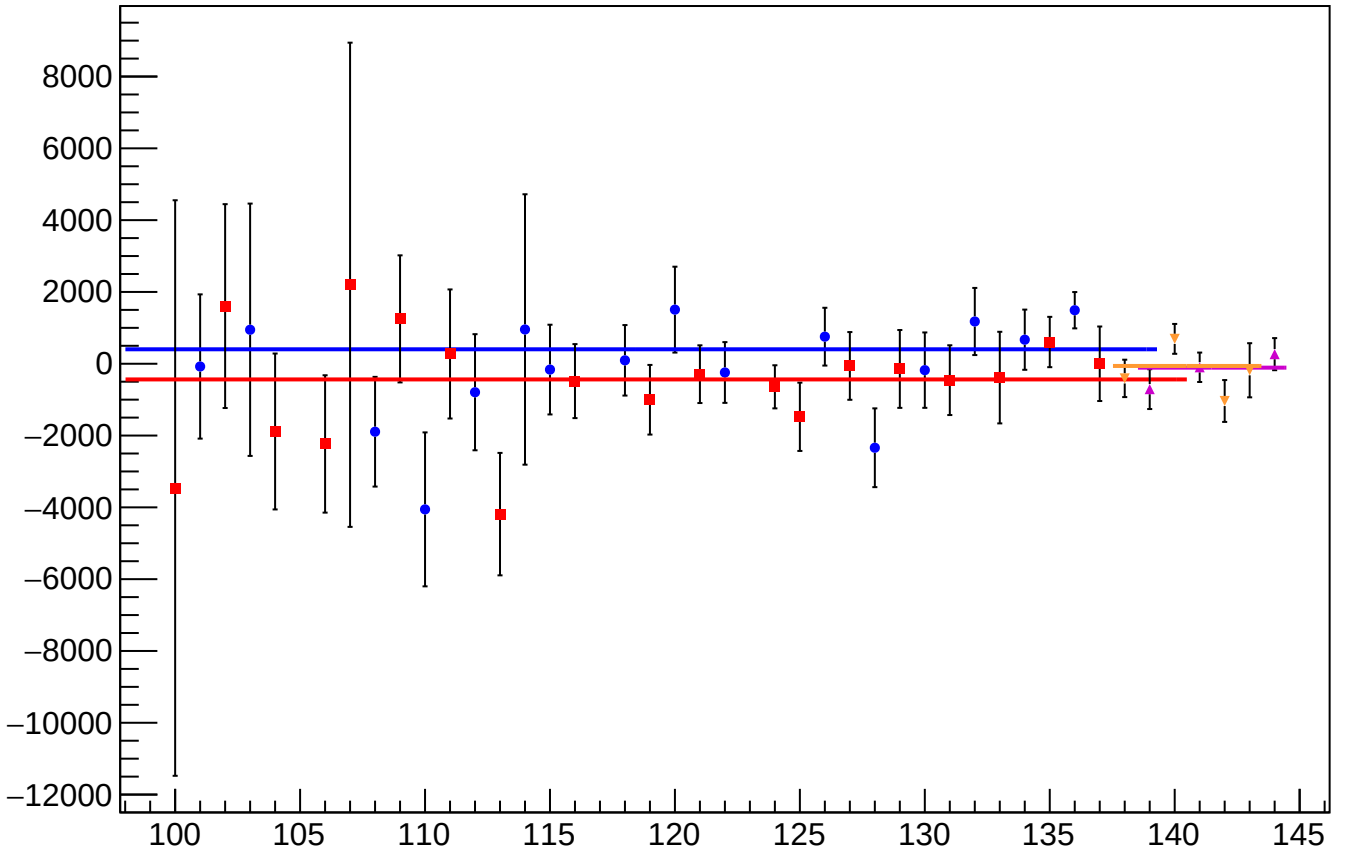
Left: 1827.726+/-0.551 χ^2/NDF: 11984.2/6

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1895.641+/-0.434 χ^2/NDF:658173.8/18

Out: 1932.494+/-0.431 χ^2/NDF:411462.0/22

All: 1914.169+/-0.306 χ^2/NDF: 1073263.8/41



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -61.522+/-265.630 χ^2/NDF:6.6/3

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -108.800+/-265.233 χ^2/NDF:1.9/2

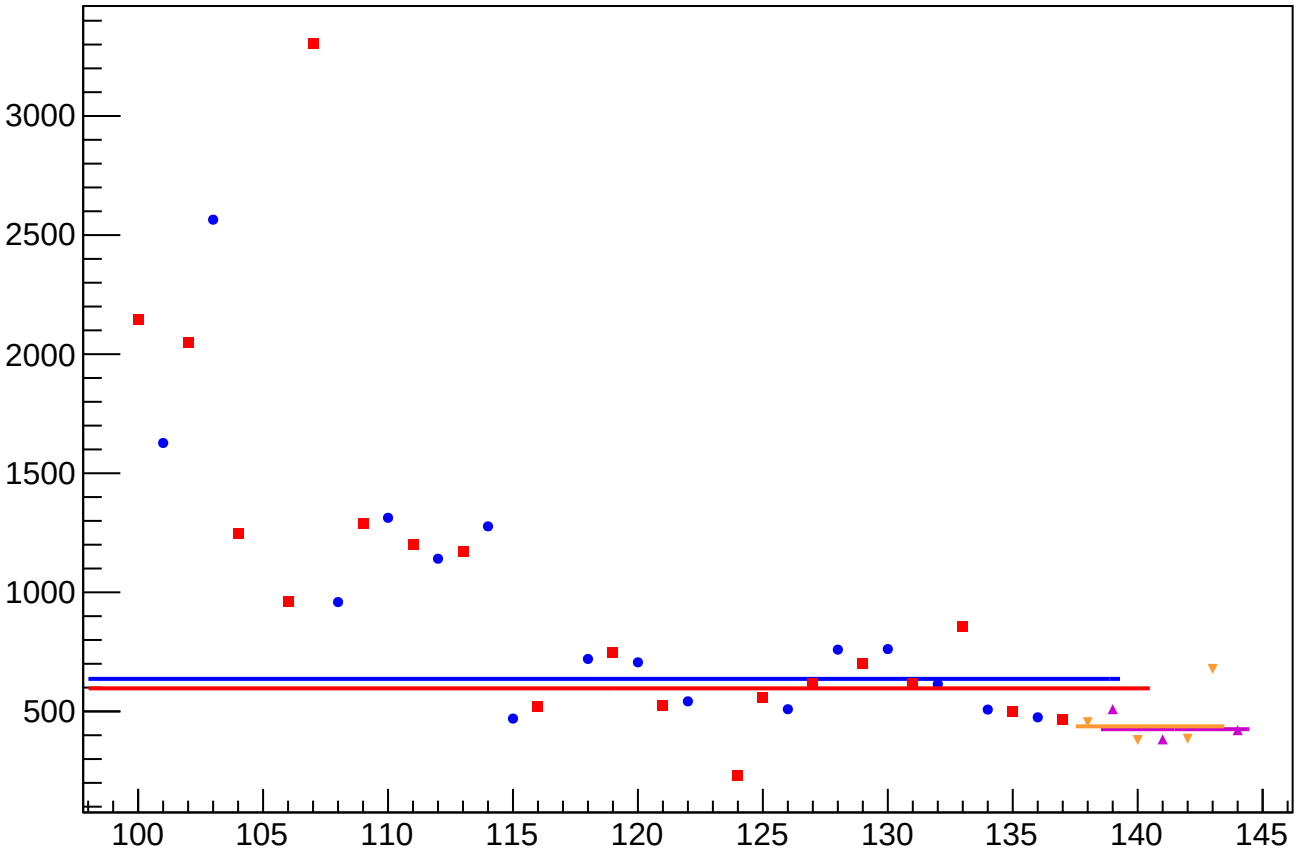
Left: -85.196+/-187.688 χ^2/NDF: 8.5/6

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 153.462+/-185.145 χ^2/NDF:24.9/18

Out: -258.480+/-183.076 χ^2/NDF:20.0/22

All: -54.823+/-130.180 χ^2/NDF: 47.4/41



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.393+/-0.188 χ^2/NDF:67881.2/2

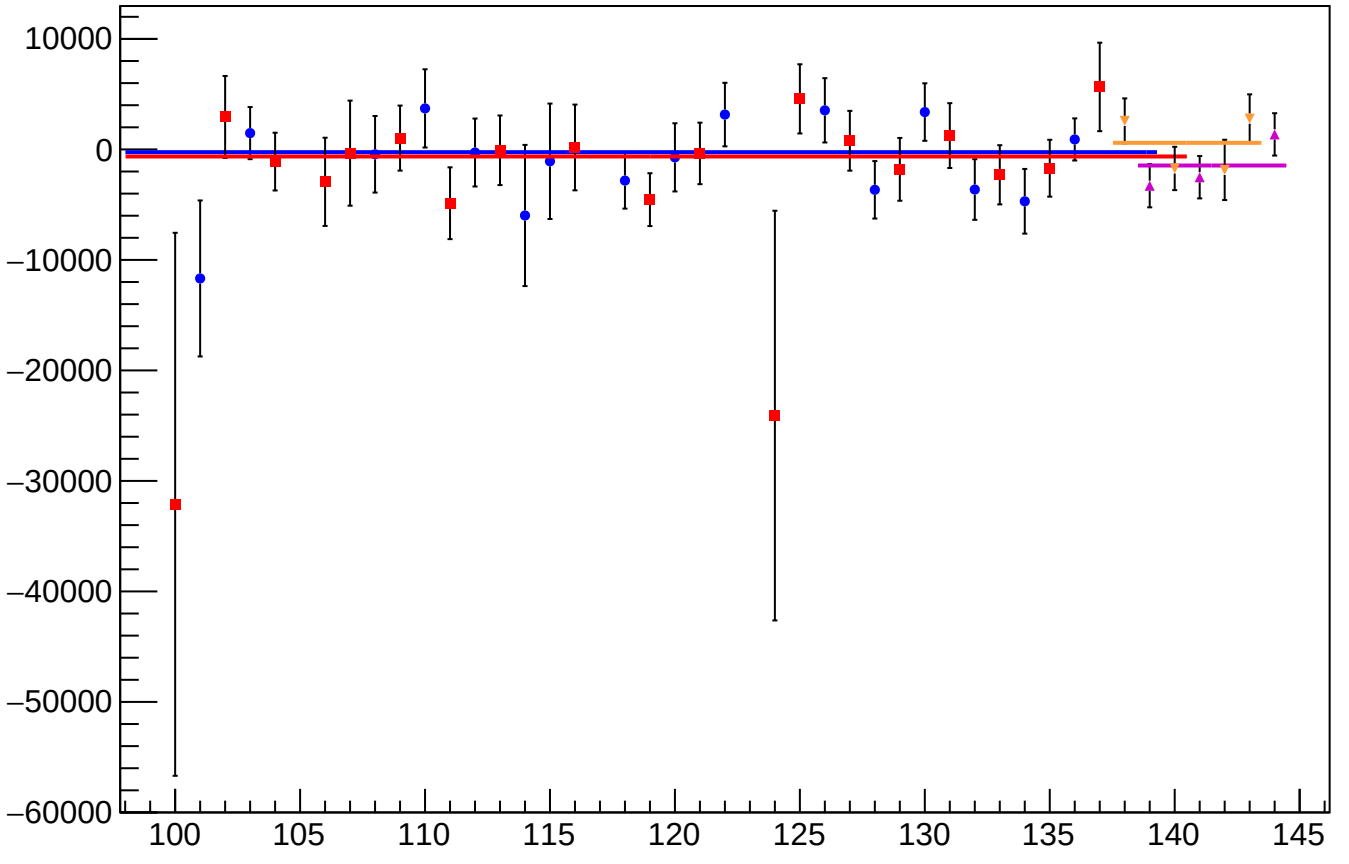
Left: 431.399+/-0.133 χ^2/NDF: 330841.6/6

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 533.736+/-0.131 χ^2/NDF:2784756.1/18

Out: 521.126+/-0.129 χ^2/NDF:3569627.8/22

All: 527.360+/-0.092 χ^2/NDF: 6359074.6/41



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 594.578+/-1089.401 χ^2/NDF:4.1/3

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -1456.277+/-1113.825 χ^2/NDF:3.3/2

Left: -408.118+/-778.815 χ^2/NDF: 9.2/6

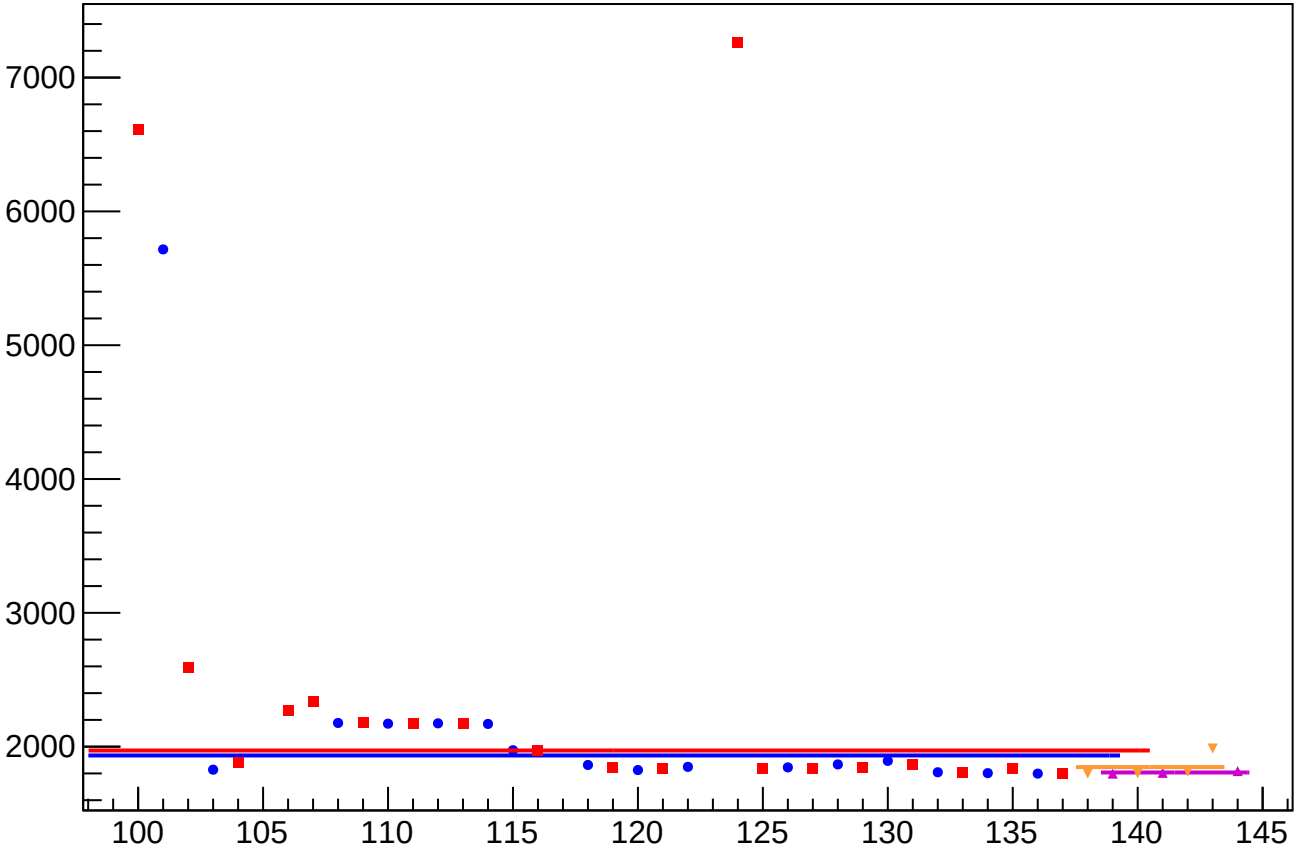
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -616.347+/-613.534 χ^2/NDF:21.4/18

Out: -253.290+/-610.175 χ^2/NDF:21.0/22

All: -433.822+/-432.642 χ^2/NDF: 42.6/41

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.079+/-0.788 χ^2/NDF:102.3/2

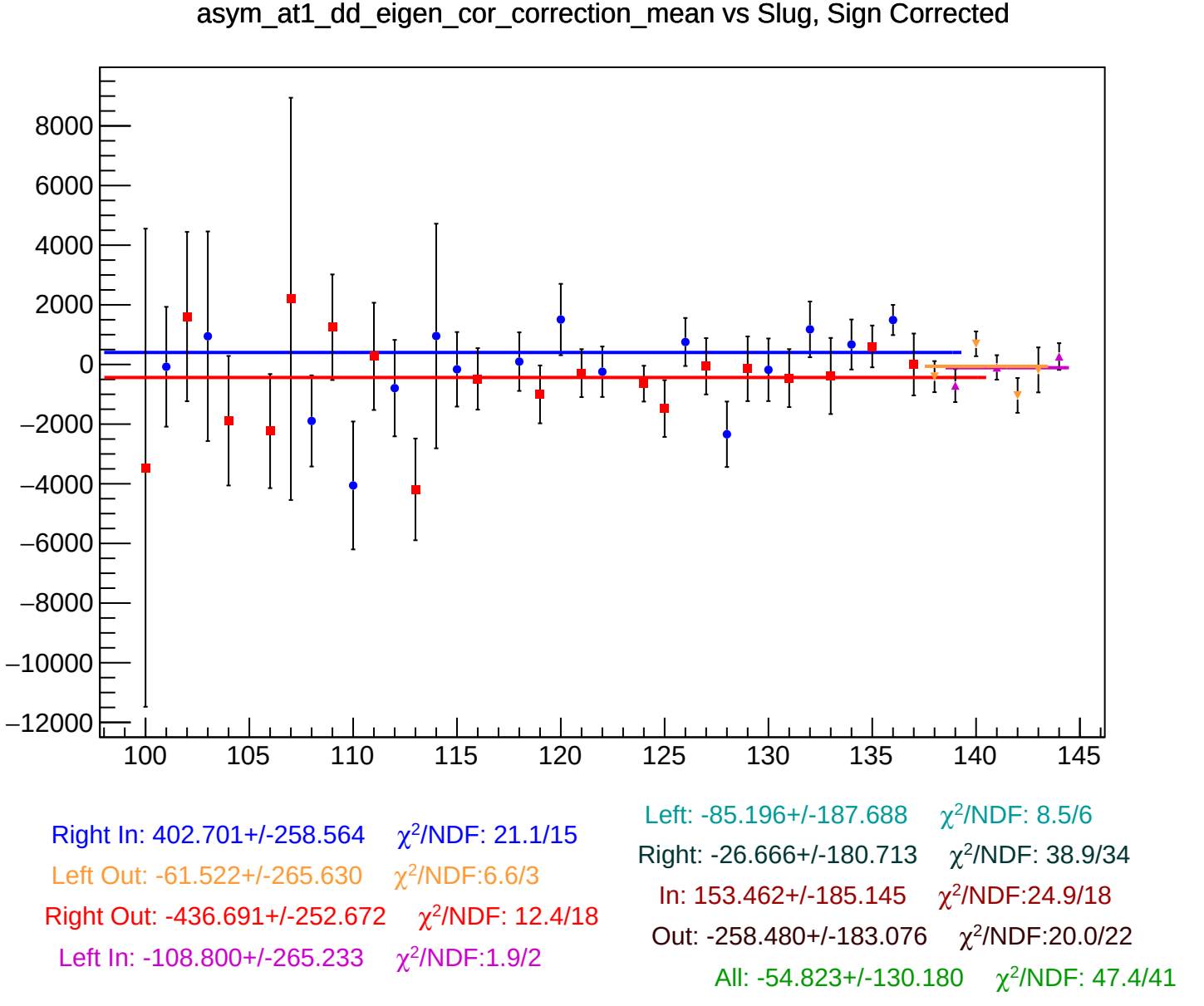
Left: 1827.726+/-0.551 χ^2/NDF: 11984.2/6

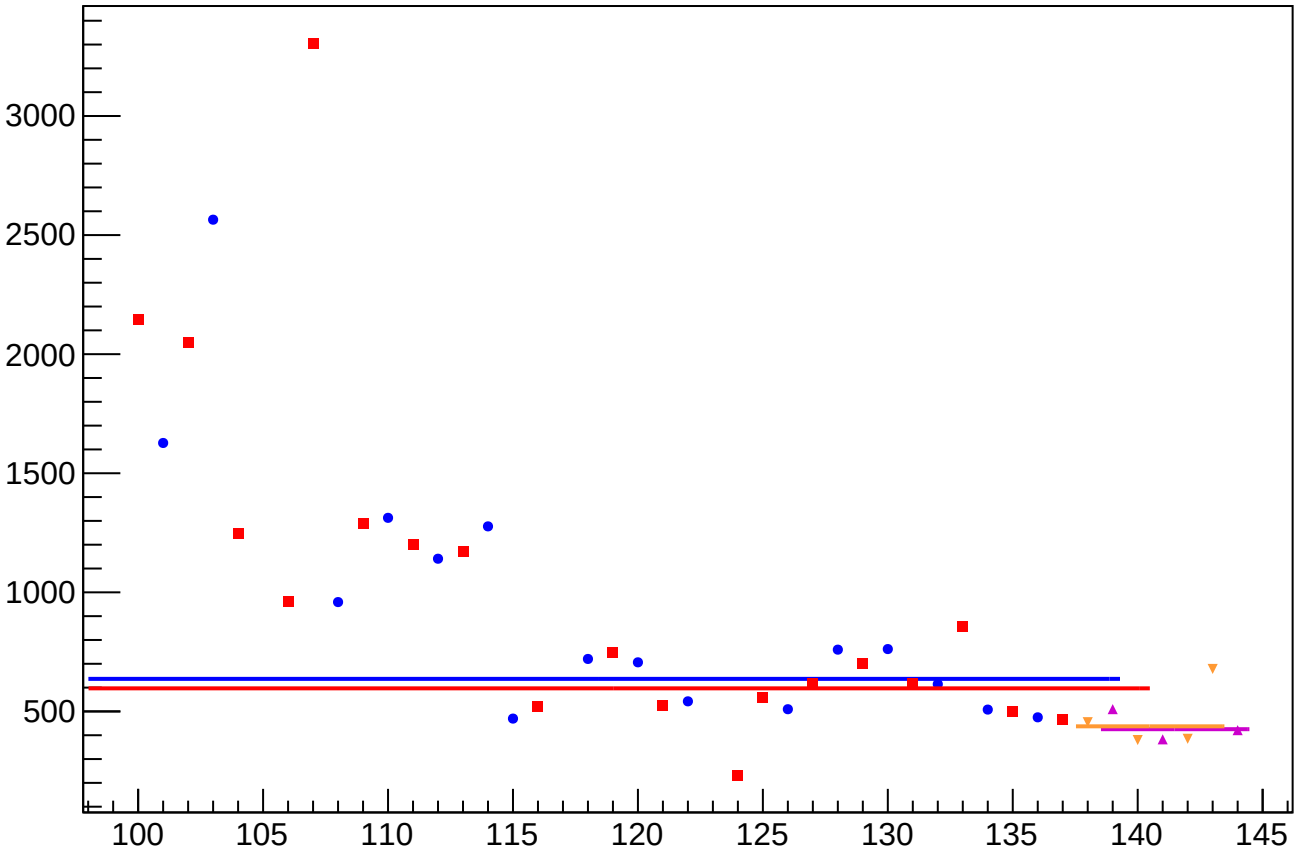
Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1895.641+/-0.434 χ^2/NDF:658173.8/18

Out: 1932.494+/-0.431 χ^2/NDF:411462.0/22

All: 1914.169+/-0.306 χ^2/NDF: 1073263.8/41


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: 402.701+/-258.564 χ²/NDF: 21.1/15
Left Out: -61.522+/-265.630 χ²/NDF:6.6/3
Right Out: -436.691+/-252.672 χ²/NDF: 12.4/18
Left In: -108.800+/-265.233 χ²/NDF:1.9/2
Left: -85.196+/-187.688 χ²/NDF: 8.5/6
Right: -26.666+/-180.713 χ²/NDF: 38.9/34
In: 153.462+/-185.145 χ²/NDF:24.9/18
Out: -258.480+/-183.076 χ²/NDF:20.0/22
All: -54.823+/-130.180 χ²/NDF: 47.4/41



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.393+/-0.188 χ^2/NDF:67881.2/2

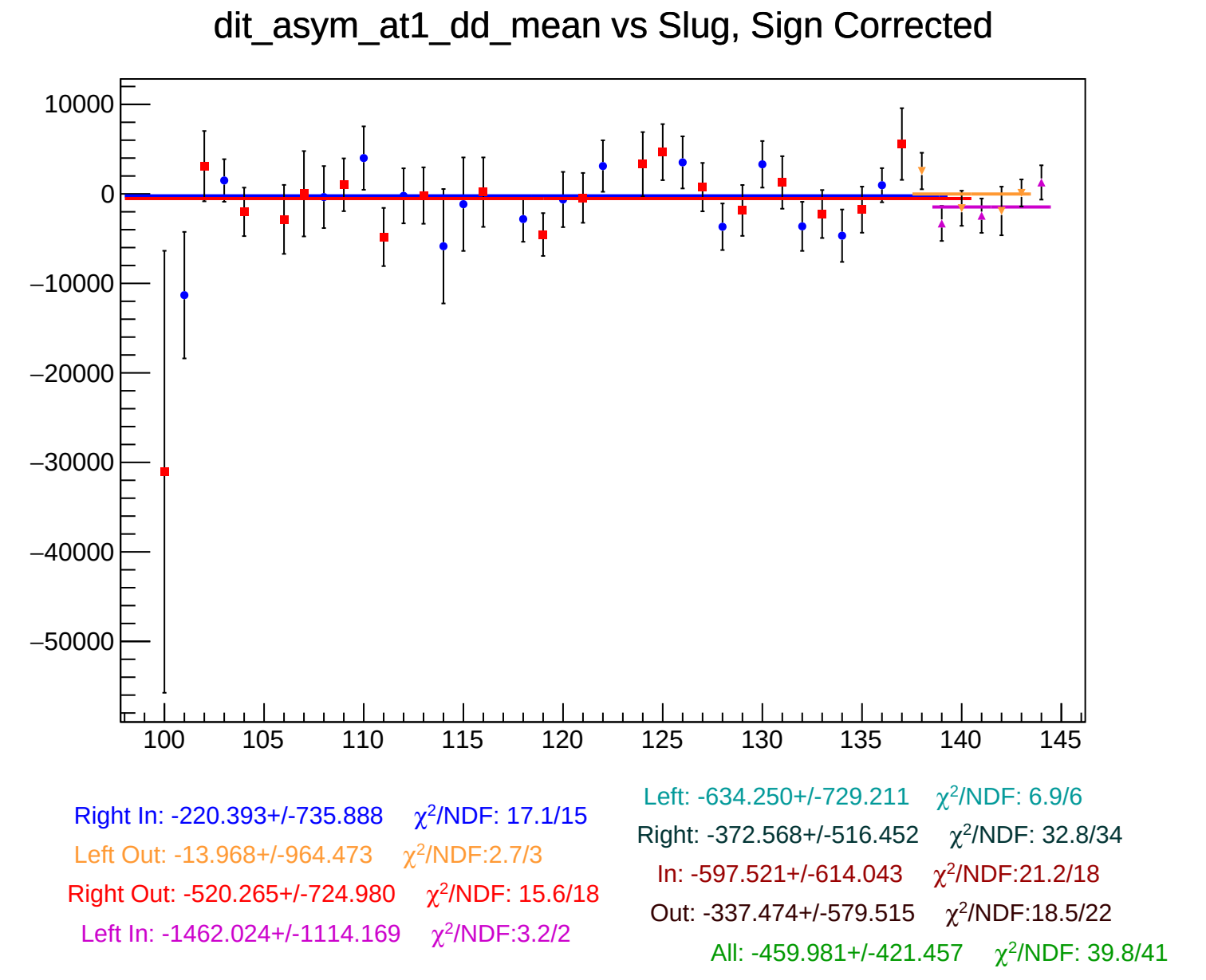
Left: 431.399+/-0.133 χ^2/NDF: 330841.6/6

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

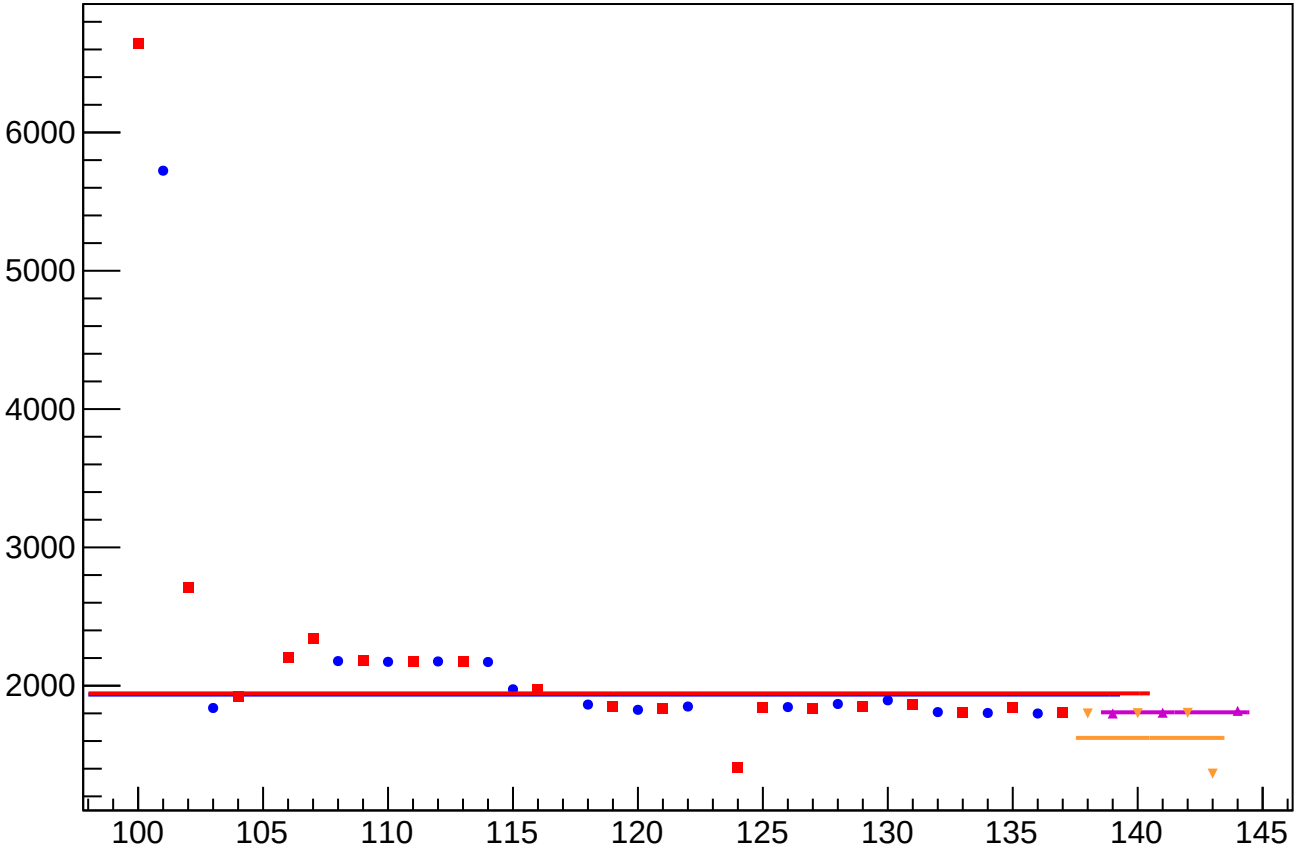
In: 533.736+/-0.131 χ^2/NDF:2784756.1/18

Out: 521.126+/-0.129 χ^2/NDF:3569627.8/22

All: 527.360+/-0.092 χ^2/NDF: 6359074.6/41


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -13.968+/-964.473 χ²/NDF:2.7/3
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -1462.024+/-1114.169 χ²/NDF:3.2/2
Left: -634.250+/-729.211 χ²/NDF: 6.9/6
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -597.521+/-614.043 χ²/NDF:21.2/18
Out: -337.474+/-579.515 χ²/NDF:18.5/22
All: -459.981+/-421.457 χ²/NDF: 39.8/41

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.636+/-0.788 χ^2/NDF:102.4/2

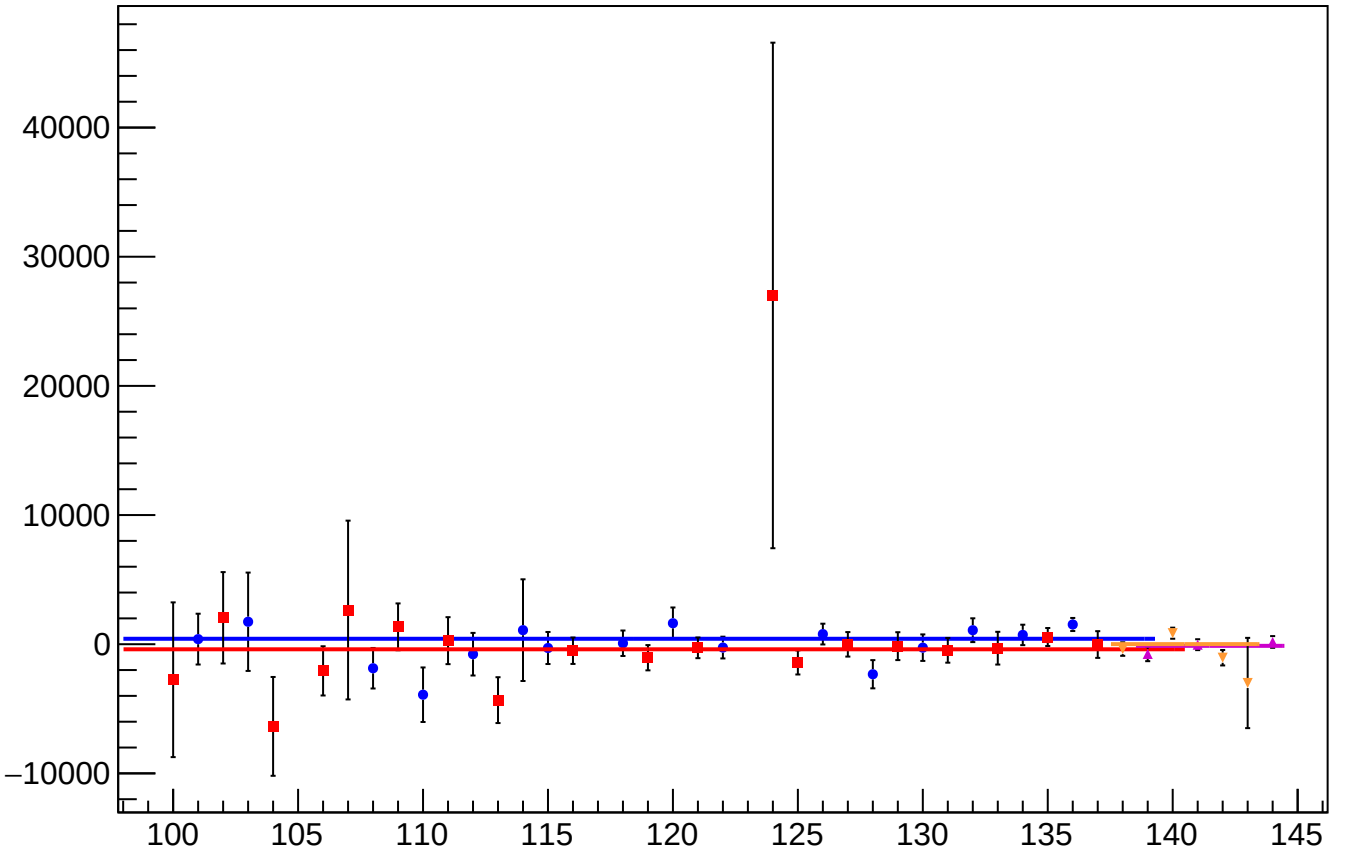
Left: 1701.987+/-0.516 χ^2/NDF: 130648.1/6

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1896.993+/-0.434 χ^2/NDF:658386.7/18

Out: 1828.360+/-0.410 χ^2/NDF:517465.5/22

All: 1860.693+/-0.298 χ^2/NDF: 1189067.7/41



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.139+/-289.068 χ^2/NDF:8.3/3

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -126.300+/-270.455 χ^2/NDF:1.7/2

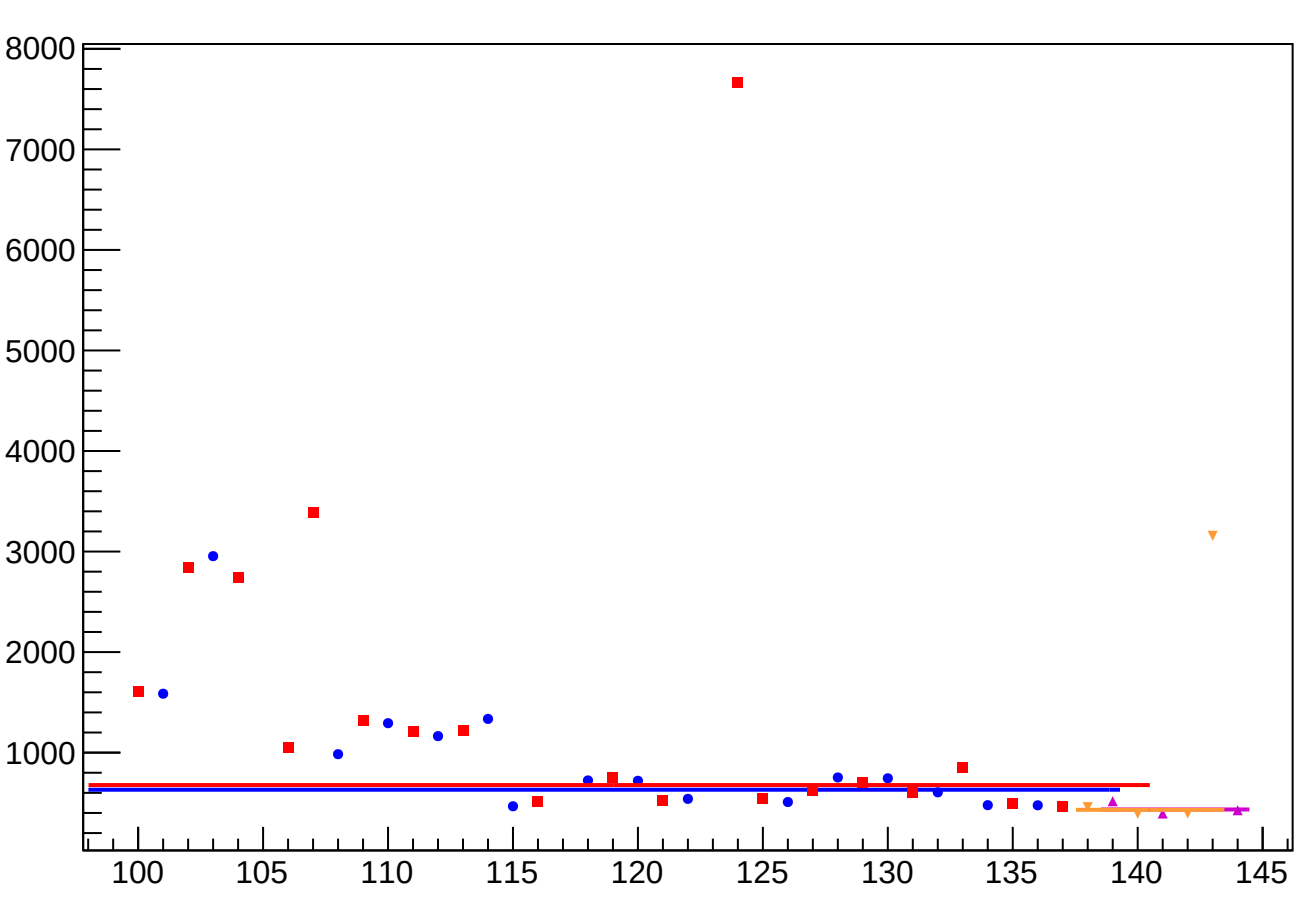
Left: -64.015+/-197.493 χ^2/NDF: 10.1/6

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 161.645+/-186.206 χ^2/NDF:25.4/18

Out: -199.923+/-200.957 χ^2/NDF:25.1/22

All: -5.383+/-136.585 χ^2/NDF: 52.2/41



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 431.353+/-0.204 χ^2/NDF:1246730.7/3

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 434.655+/-0.191 χ^2/NDF:61164.2/2

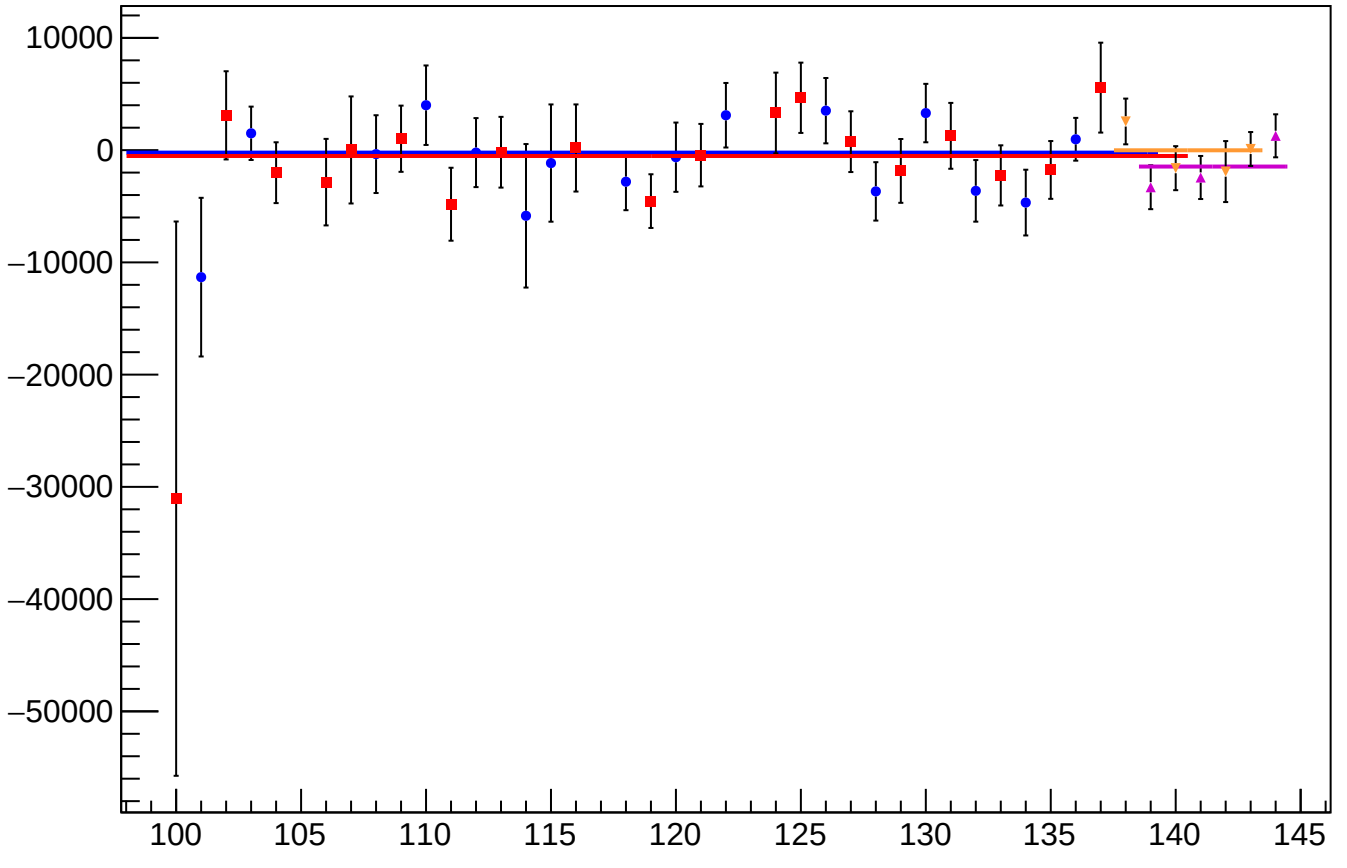
Left: 433.114+/-0.140 χ^2/NDF: 1308034.0/6

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 538.002+/-0.132 χ^2/NDF:2850863.4/18

Out: 558.508+/-0.142 χ^2/NDF:5077238.1/22

All: 547.475+/-0.097 χ^2/NDF: 7939306.3/41



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -13.970+/-964.473 χ^2/NDF:2.7/3

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -1462.025+/-1114.169 χ^2/NDF:3.2/2

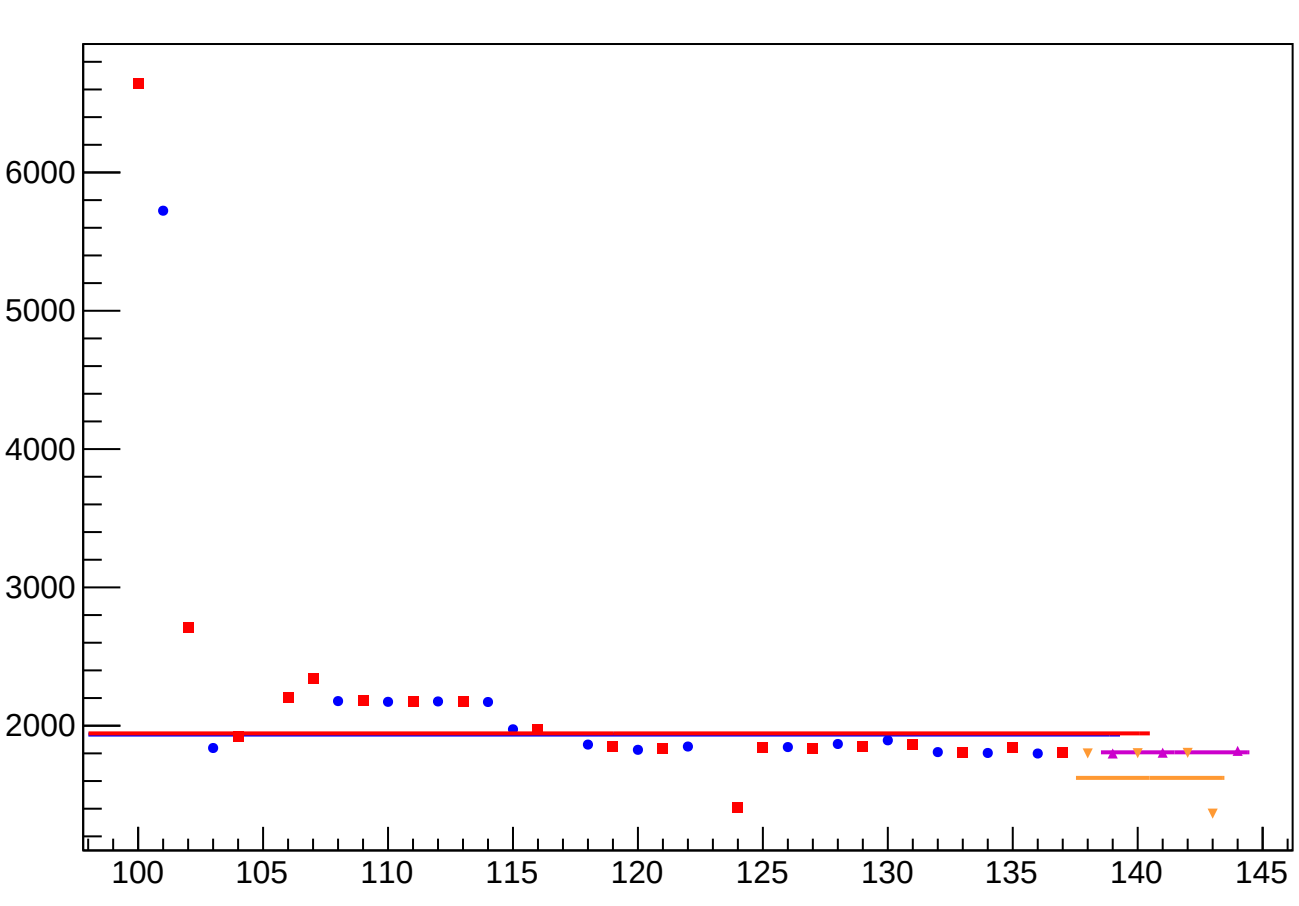
Left: -634.252+/-729.211 χ^2/NDF: 6.9/6

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -597.521+/-614.043 χ^2/NDF:21.2/18

Out: -337.475+/-579.515 χ^2/NDF:18.5/22

All: -459.982+/-421.457 χ^2/NDF: 39.8/41



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.636+/-0.788 χ^2/NDF:102.4/2

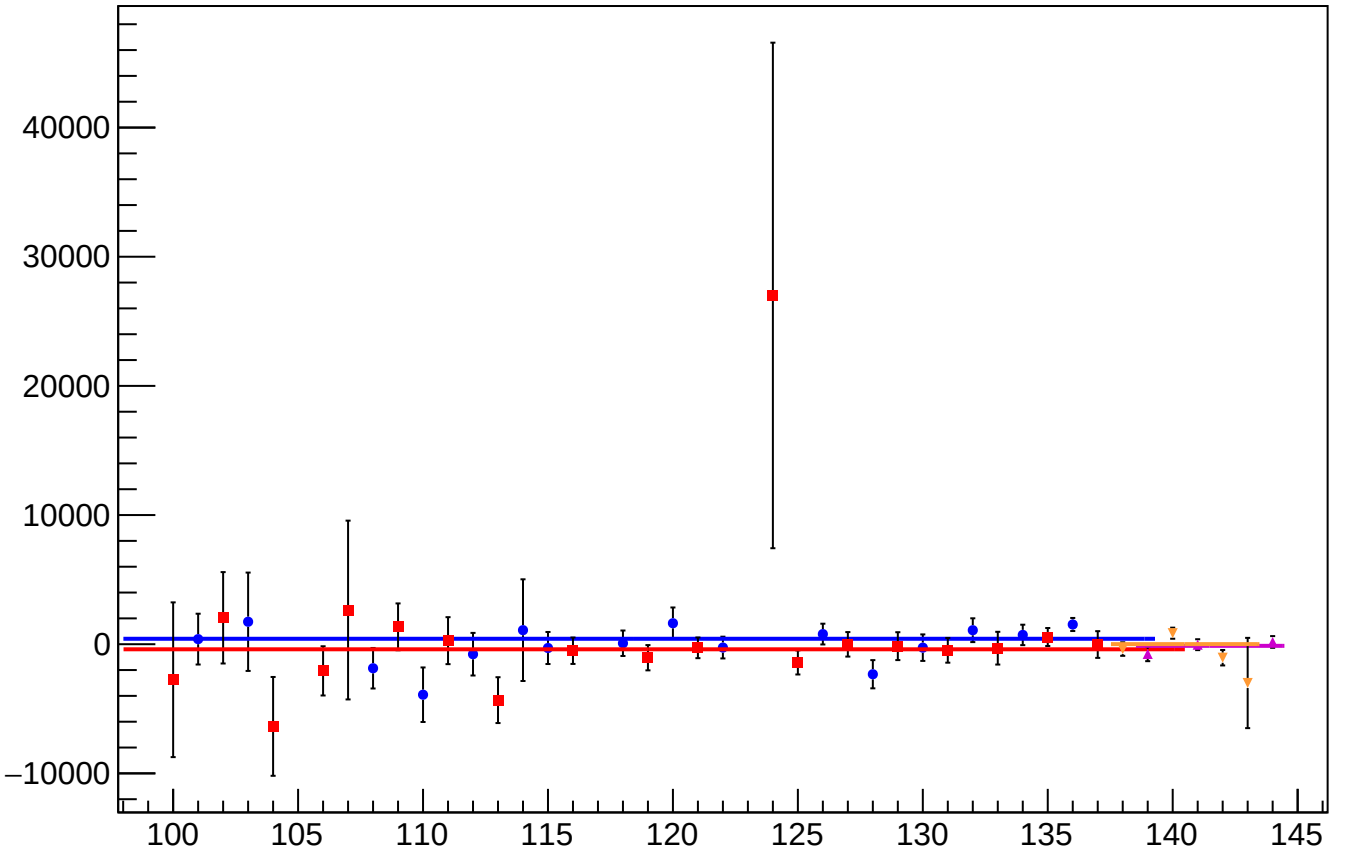
Left: 1701.987+/-0.516 χ^2/NDF: 130648.1/6

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1896.993+/-0.434 χ^2/NDF:658386.8/18

Out: 1828.360+/-0.410 χ^2/NDF:517465.3/22

All: 1860.693+/-0.298 χ^2/NDF: 1189067.5/41



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.140+/-289.068 χ^2/NDF:8.3/3

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -126.301+/-270.455 χ^2/NDF:1.7/2

Left: -64.014+/-197.493 χ^2/NDF: 10.1/6

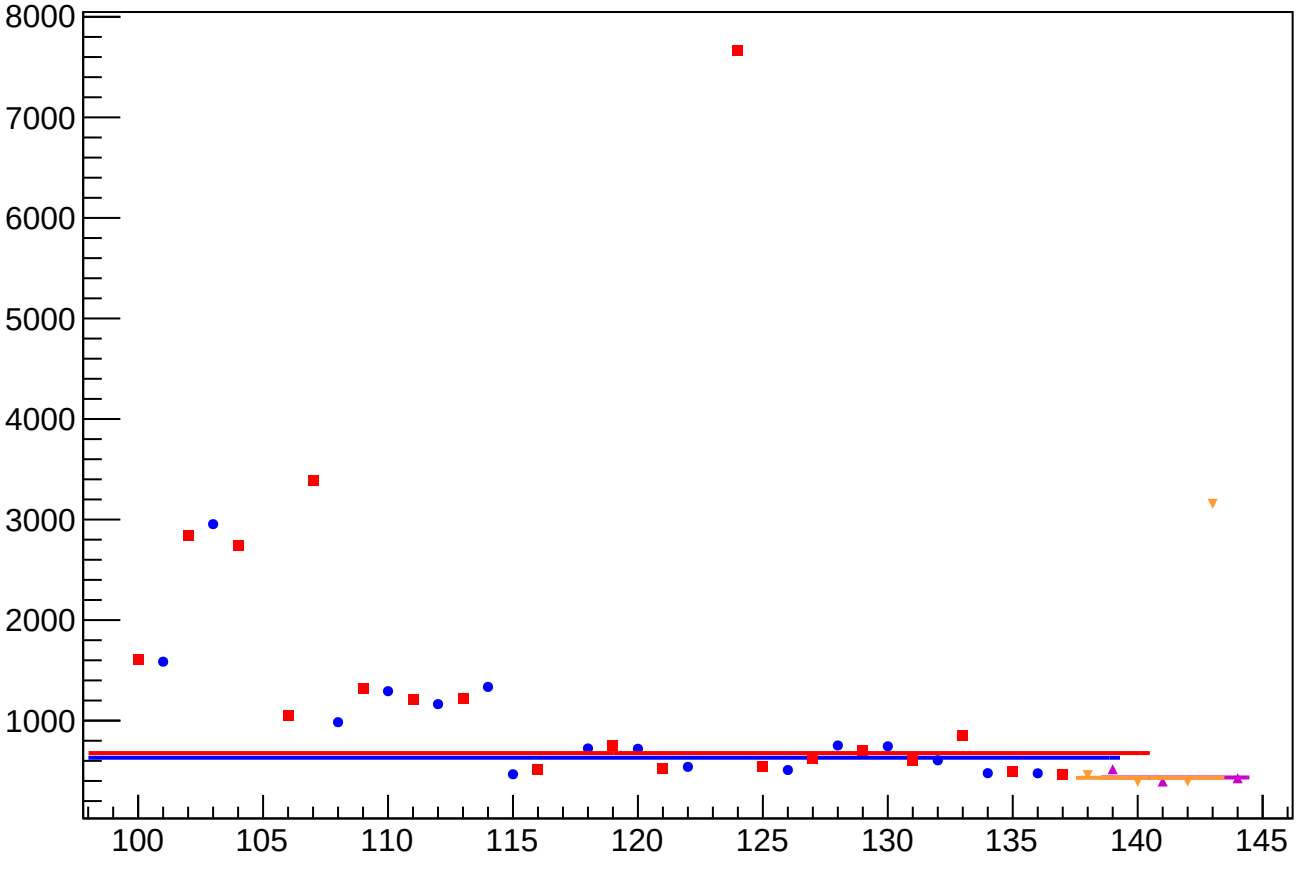
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 161.644+/-186.206 χ^2/NDF:25.4/18

Out: -199.922+/-200.957 χ^2/NDF:25.1/22

All: -5.383+/-136.585 χ^2/NDF: 52.2/41

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 431.353+/-0.204 χ^2/NDF:1246730.1/3

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 434.655+/-0.191 χ^2/NDF:61164.4/2

Left: 433.114+/-0.140 χ^2/NDF: 1308033.7/6

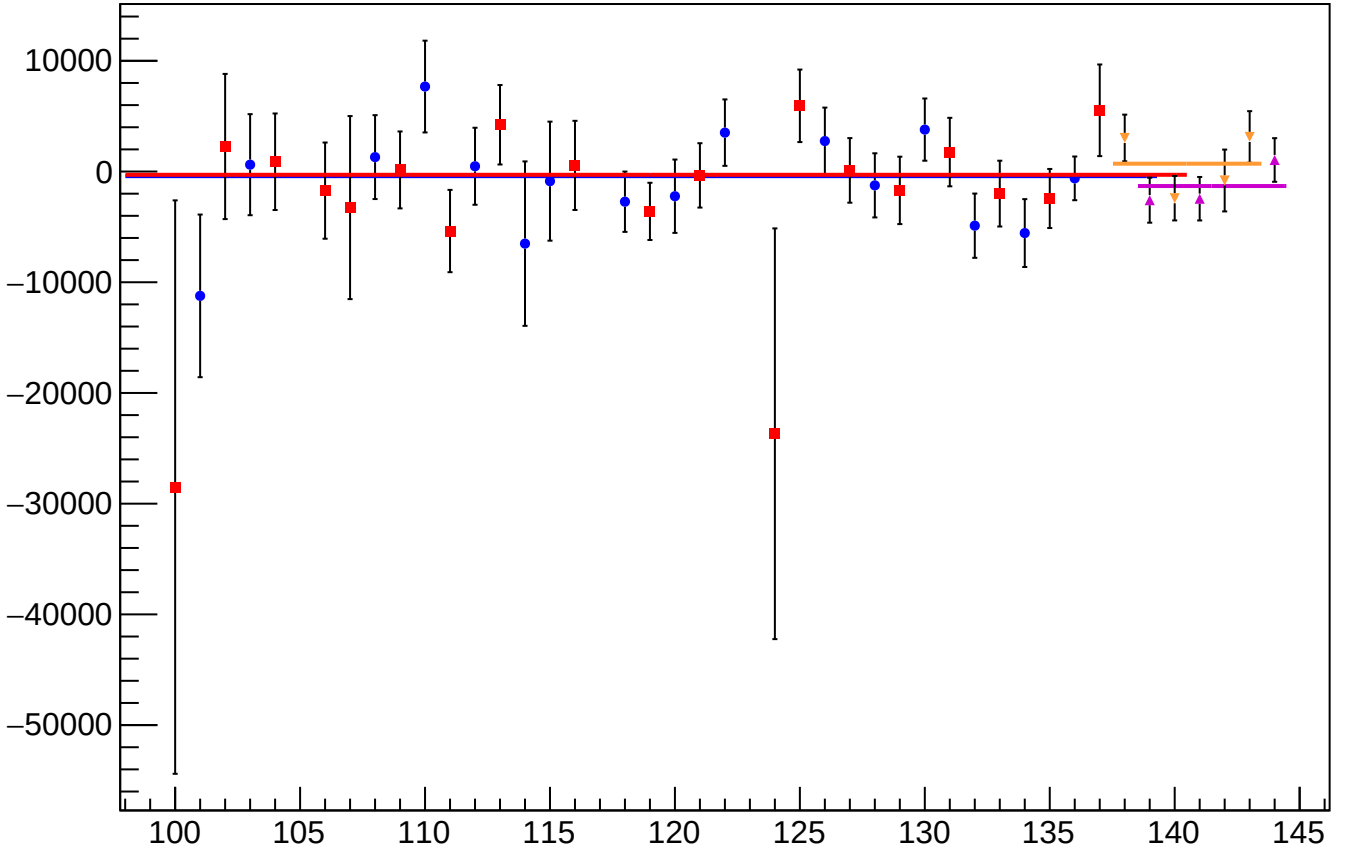
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 538.002+/-0.132 χ^2/NDF:2850865.9/18

Out: 558.508+/-0.142 χ^2/NDF:5077239.2/22

All: 547.475+/-0.097 χ^2/NDF: 7939310.2/41

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 708.295+/-1127.640 χ^2/NDF:5.0/3

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -1309.230+/-1147.726 χ^2/NDF:2.2/2

Left: -282.659+/-804.369 χ^2/NDF: 8.7/6

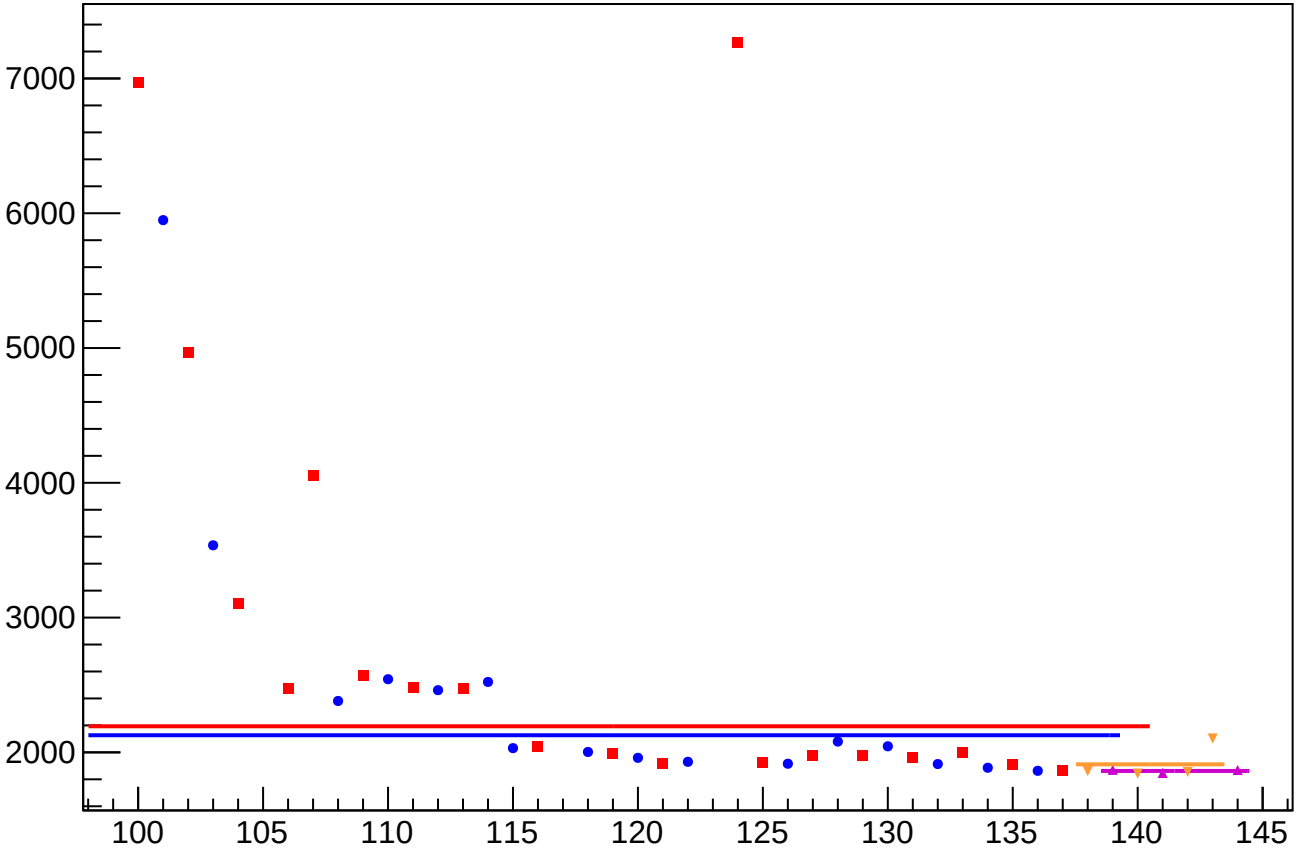
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -716.707+/-664.706 χ^2/NDF:20.9/18

Out: 58.746+/-669.289 χ^2/NDF:21.2/22

All: -331.644+/-471.630 χ^2/NDF: 42.7/41

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1911.060+/-0.797 χ^2/NDF:17828.1/3

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1862.044+/-0.812 χ^2/NDF:172.0/2

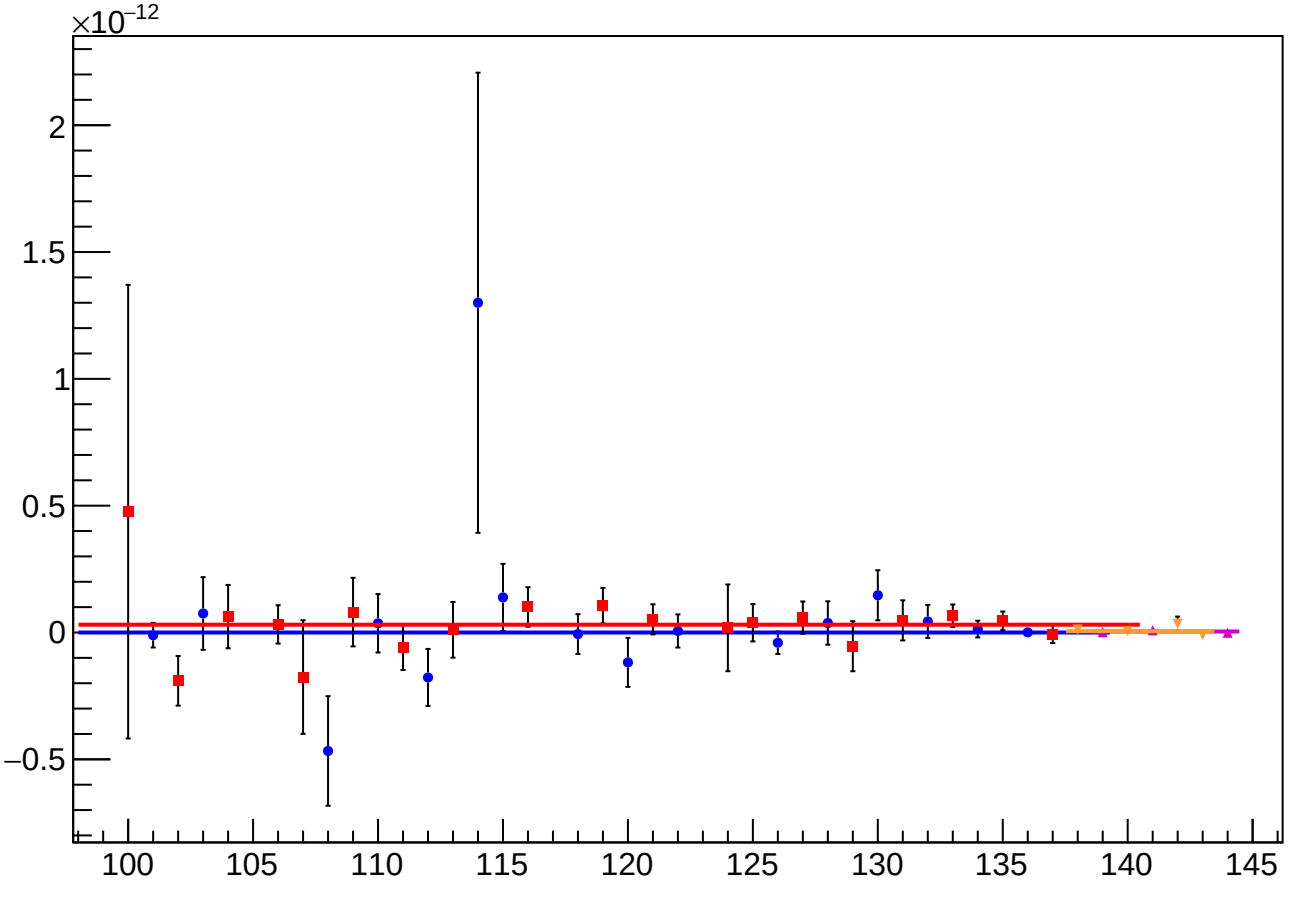
Left: 1886.985+/-0.569 χ^2/NDF: 19856.2/6

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2038.157+/-0.470 χ^2/NDF:946107.9/18

Out: 2094.042+/-0.473 χ^2/NDF:1041713.7/22

All: 2065.907+/-0.333 χ^2/NDF: 1994841.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

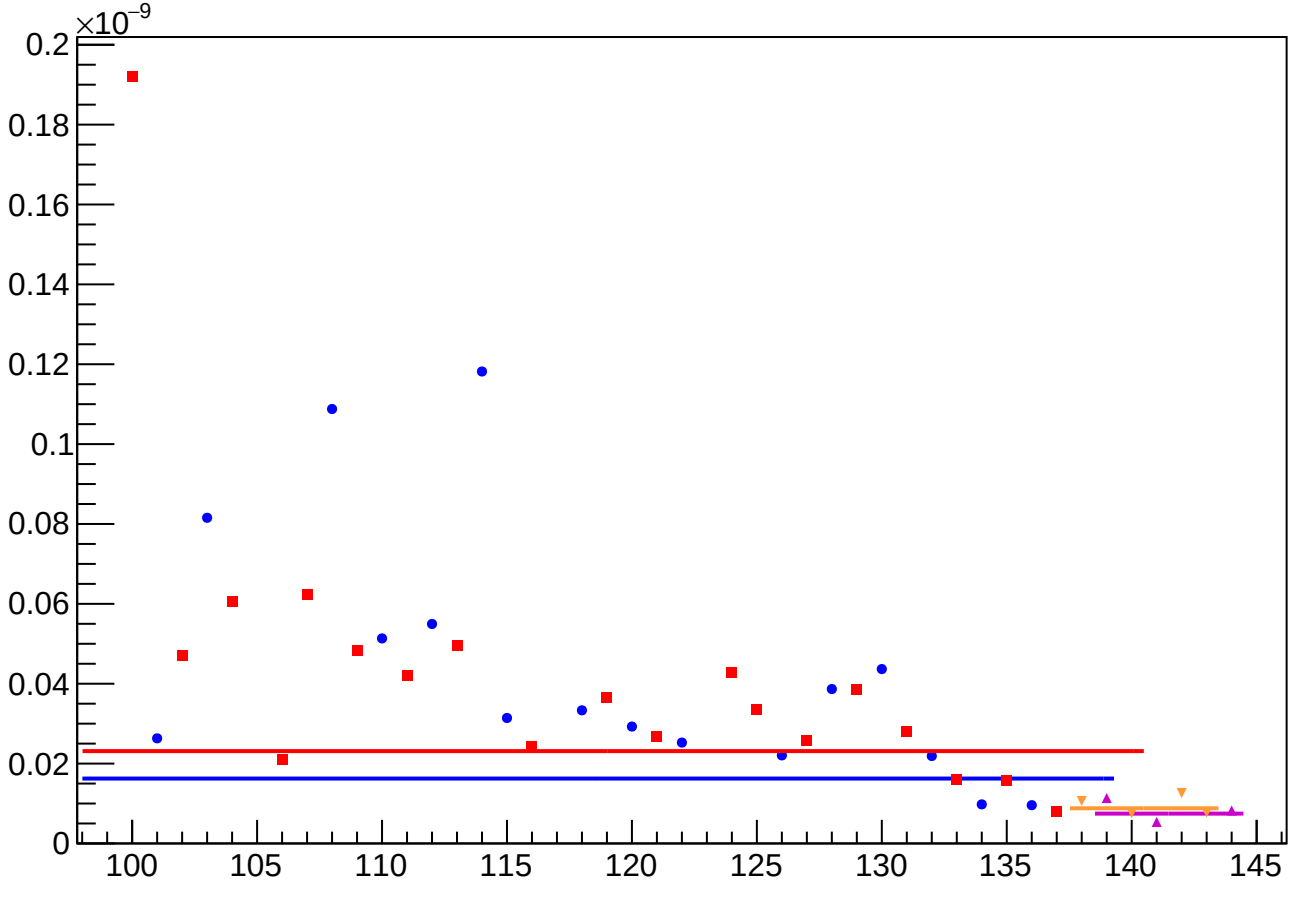
Left: 0.000+/-0.000 χ^2/NDF: 2.4/6

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:16.5/18

Out: 0.000+/-0.000 χ^2/NDF:16.5/22

All: 0.000+/-0.000 χ^2/NDF: 33.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:84949.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:170163.5/2

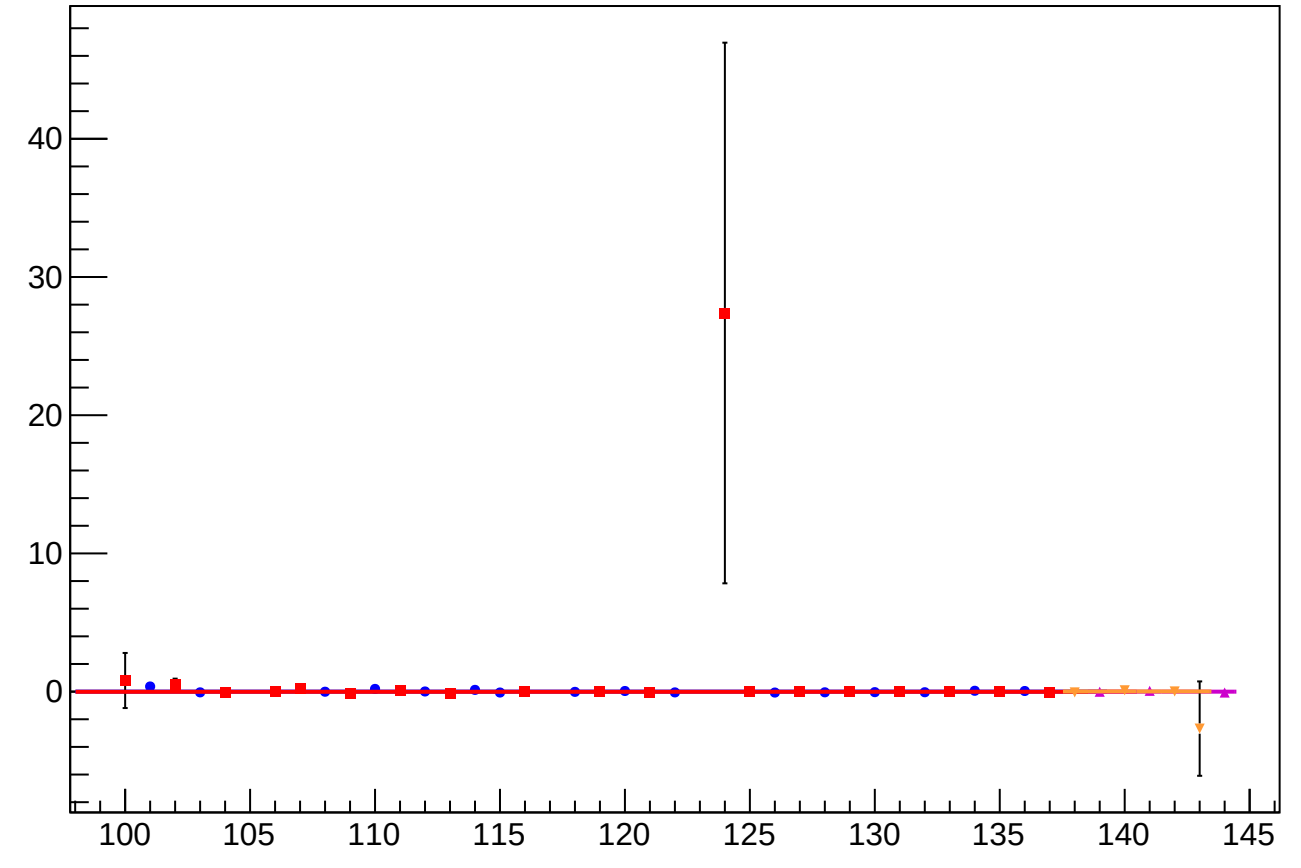
Left: 0.000+/-0.000 χ^2/NDF: 281814.0/6

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3222015.8/18

Out: 0.000+/-0.000 χ^2/NDF:2782636.1/22

All: 0.000+/-0.000 χ^2/NDF: 6078400.4/41



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.022 χ^2/NDF:5.5/2

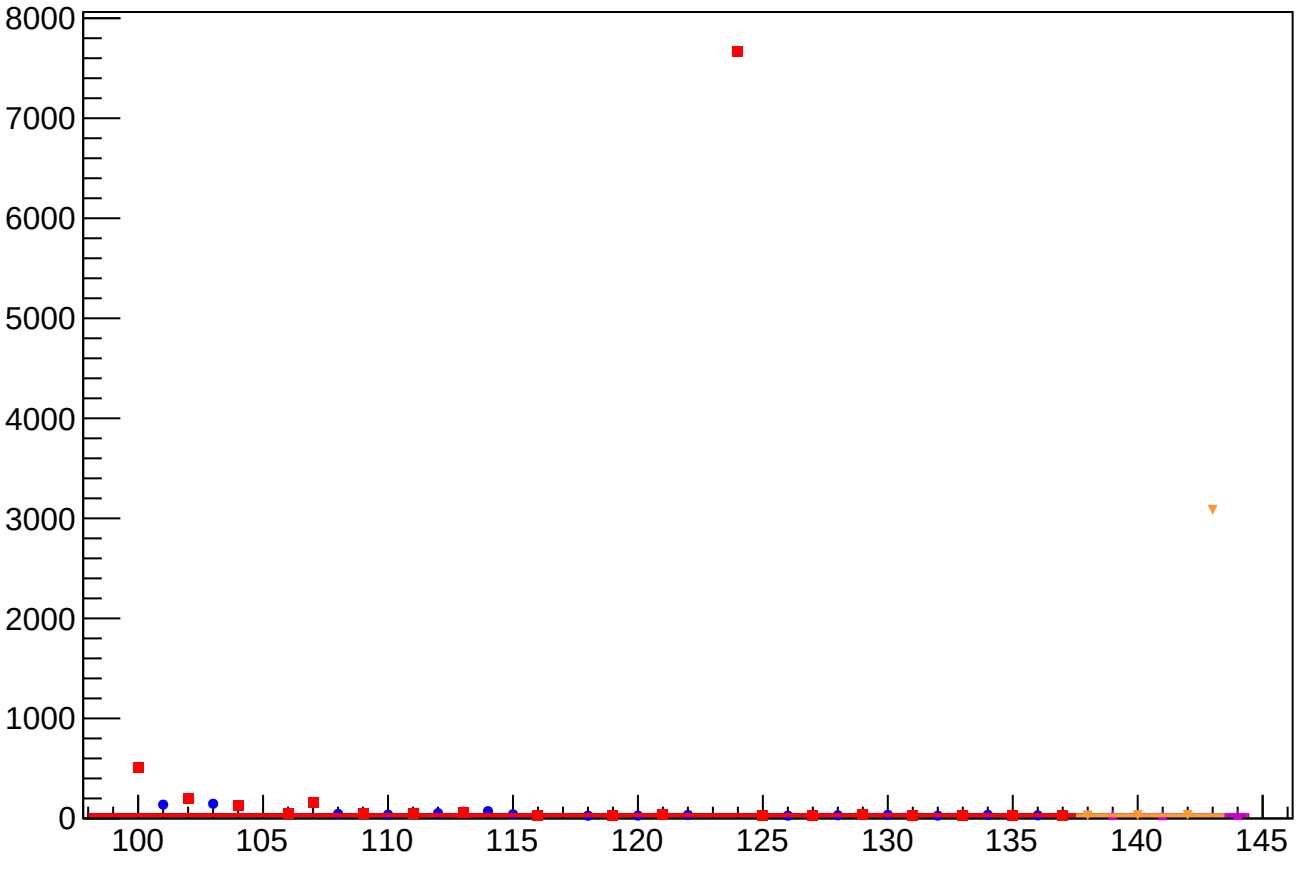
Left: 0.005+/-0.016 χ^2/NDF: 14.5/6

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.012 χ^2/NDF:26.6/18

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: -0.002+/-0.009 χ^2/NDF: 50.4/41



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.840+/-0.017 χ^2/NDF:1605552.5/3

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.9/2

Left: 33.036+/-0.012 χ^2/NDF: 1624395.4/6

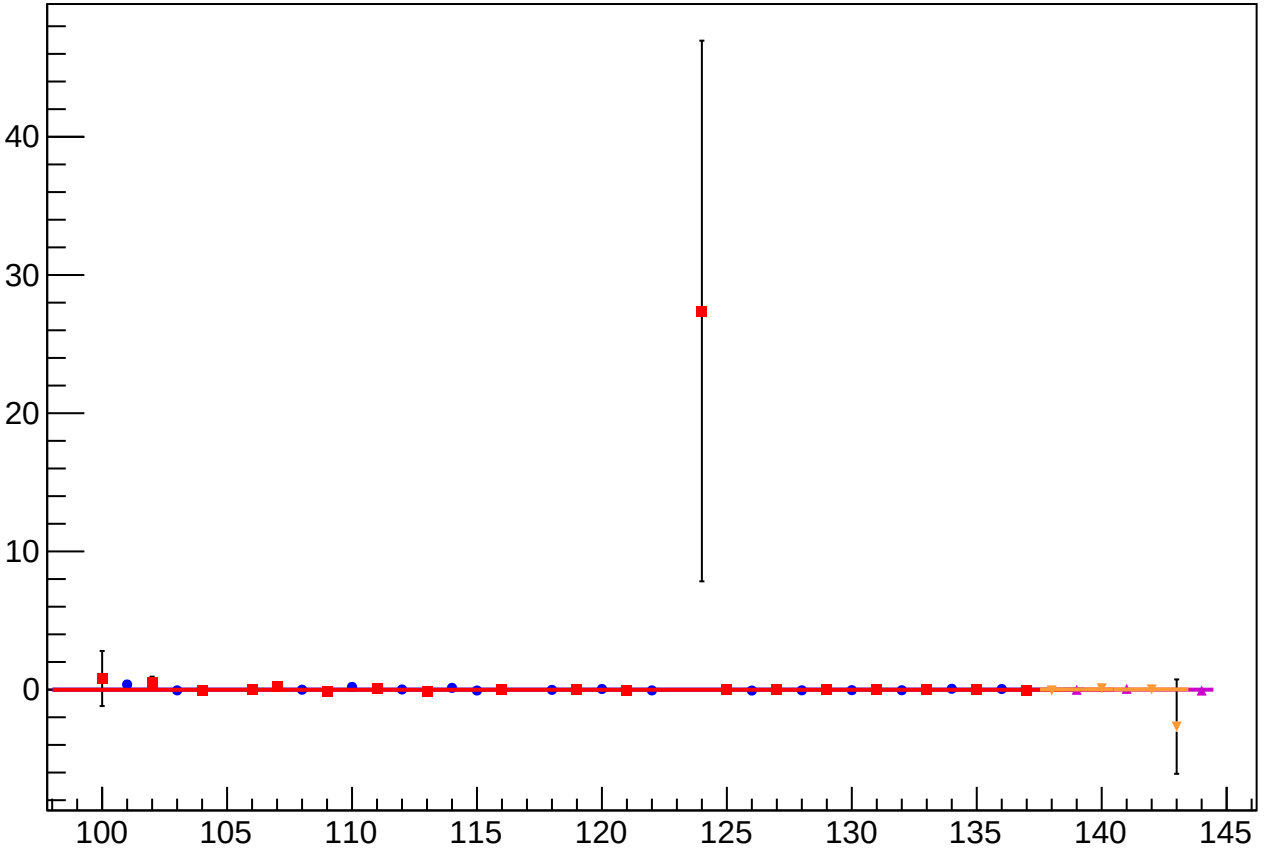
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.059+/-0.009 χ^2/NDF:1726899.3/18

Out: 32.740+/-0.009 χ^2/NDF:3684547.7/22

All: 33.417+/-0.006 χ^2/NDF: 5422620.2/41

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: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.022 χ^2/NDF:5.5/2

Left: 0.005+/-0.016 χ^2/NDF: 14.5/6

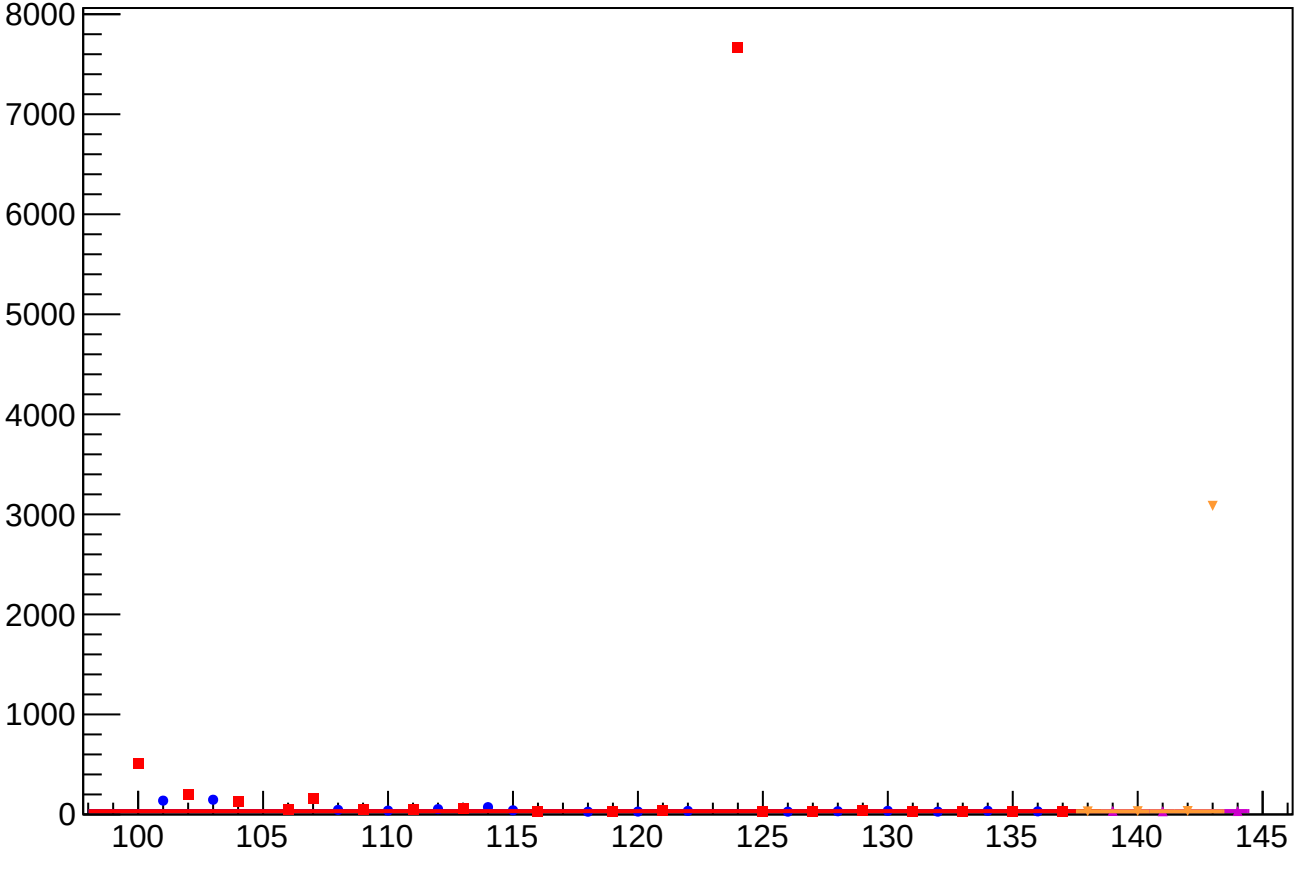
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.012 χ^2/NDF:26.6/18

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: -0.002+/-0.009 χ^2/NDF: 50.4/41

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: 31.840+/-0.017 χ^2/NDF:1605552.5/3

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.9/2

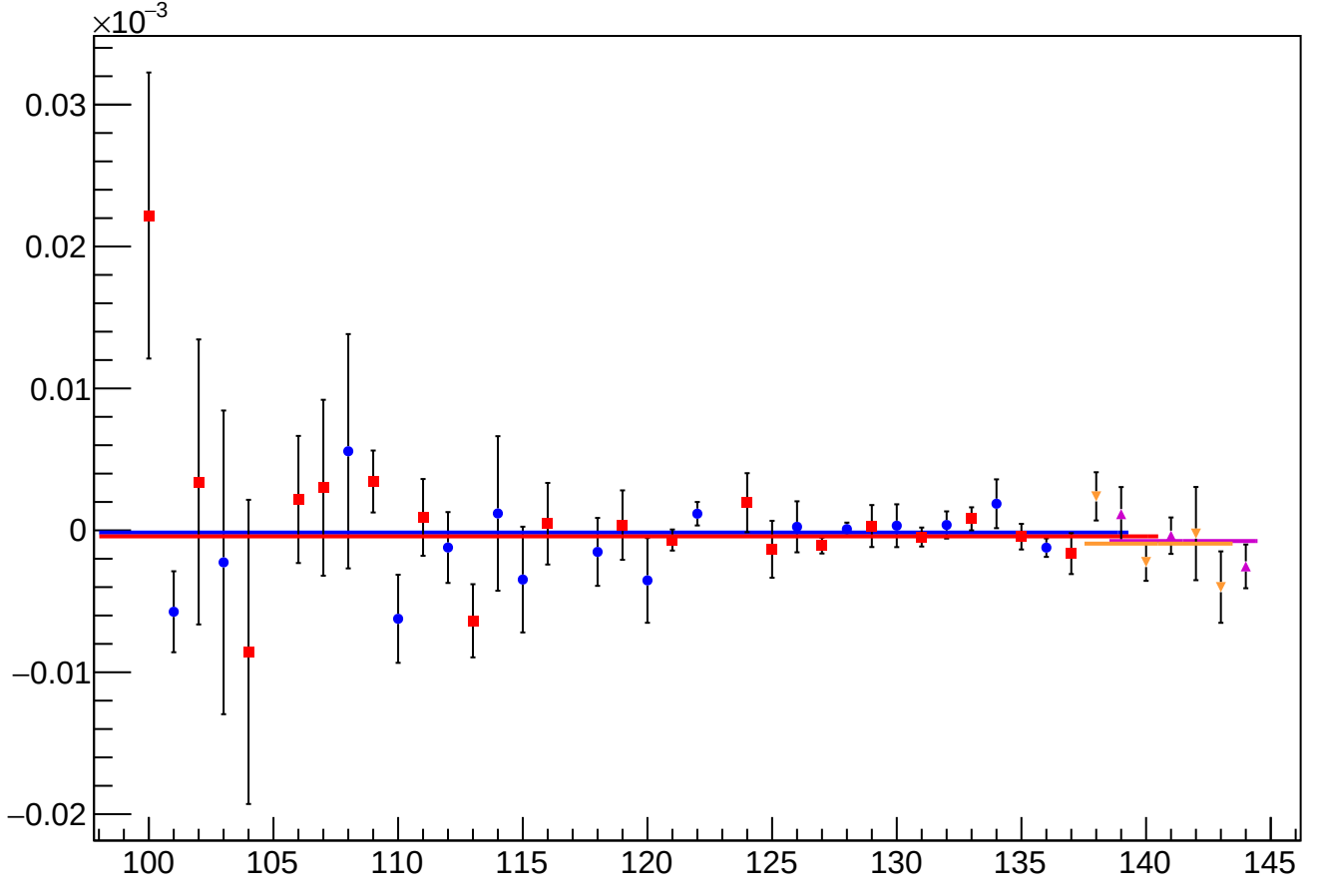
Left: 33.036+/-0.012 χ^2/NDF: 1624395.4/6

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.059+/-0.009 χ^2/NDF:1726899.3/18

Out: 32.740+/-0.009 χ^2/NDF:3684547.7/22

All: 33.417+/-0.006 χ^2/NDF: 5422620.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

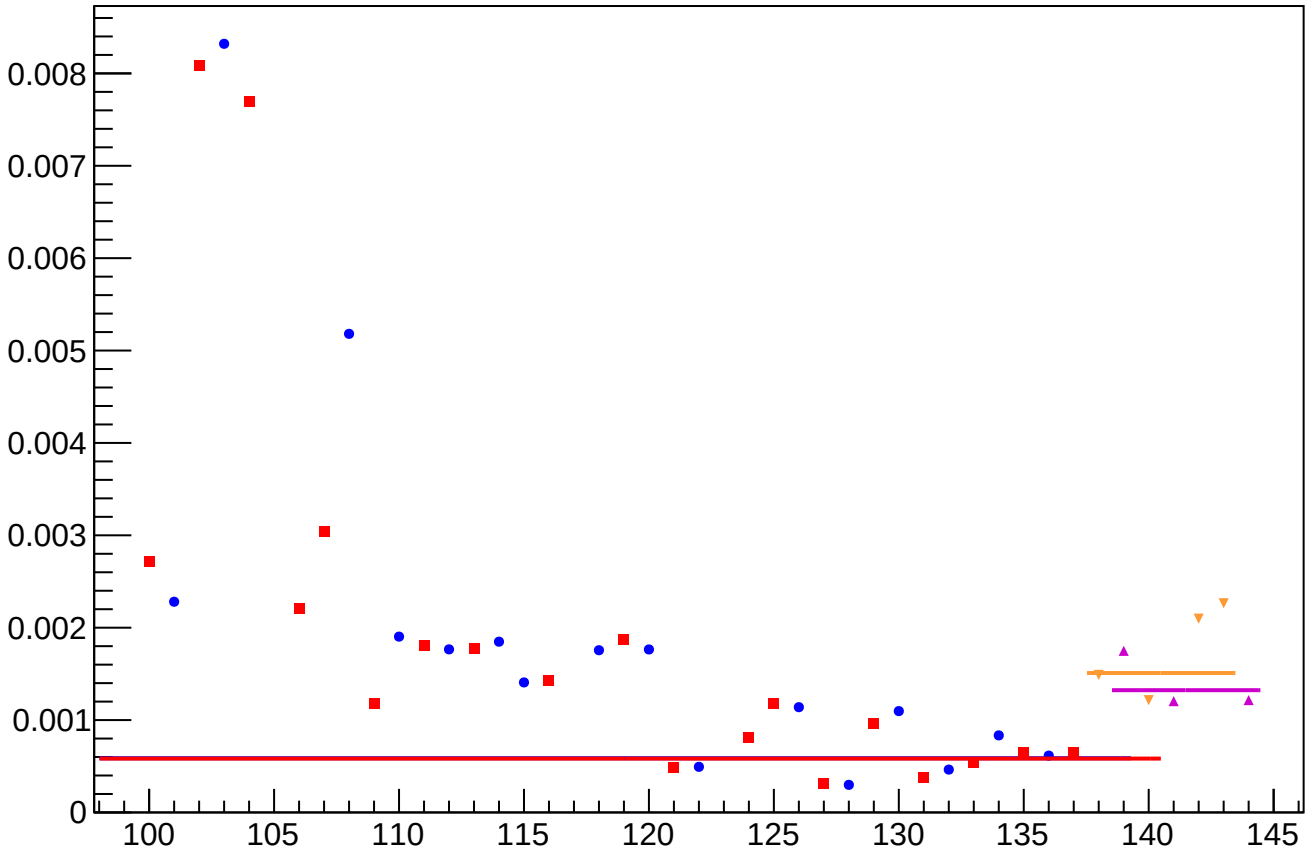
Left: -0.000+/-0.000 χ^2/NDF: 8.8/6

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:21.0/18

Out: -0.000+/-0.000 χ^2/NDF:28.2/22

All: -0.000+/-0.000 χ^2/NDF: 49.6/41



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:342269.7/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126590.1/2

Left: 0.001+/-0.000 χ^2/NDF: 511352.9/6

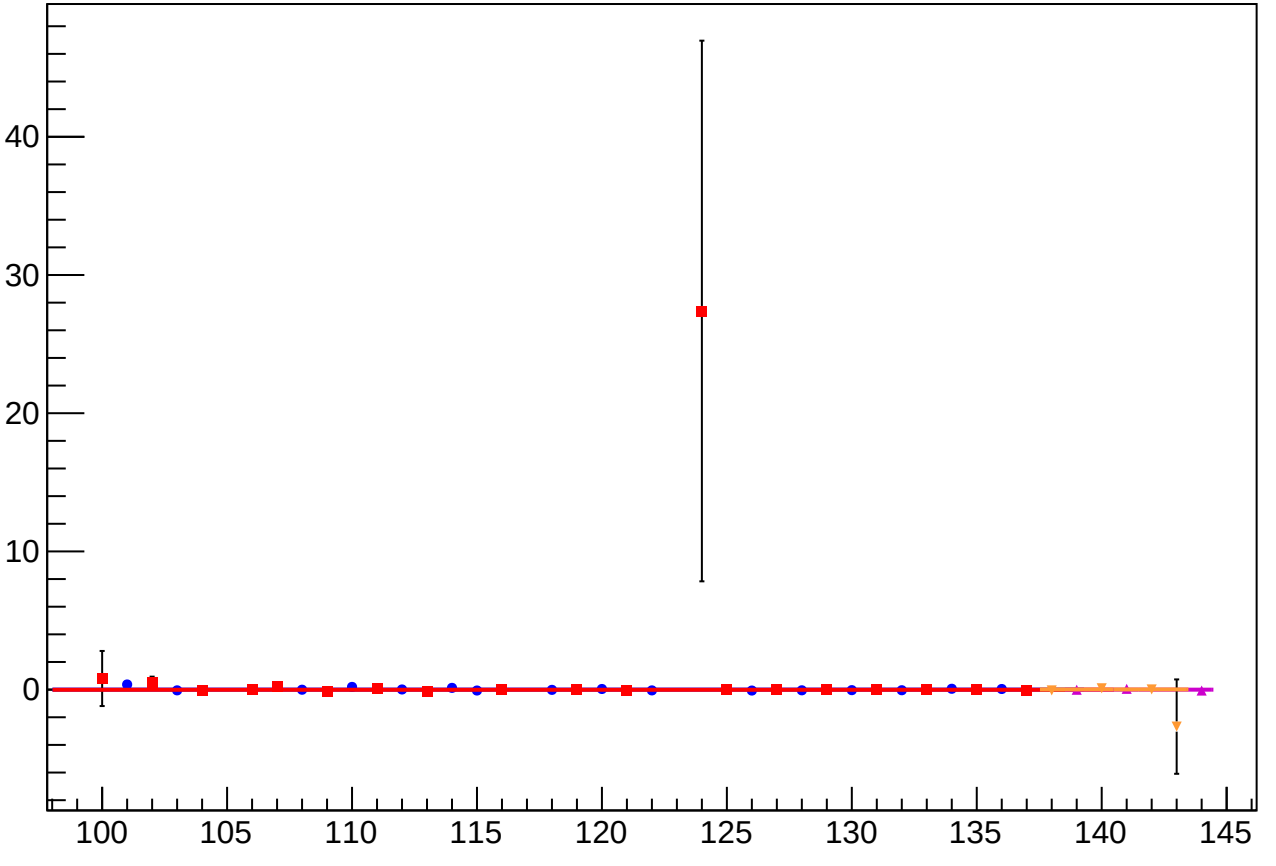
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:6884508.6/18

Out: 0.001+/-0.000 χ^2/NDF:7599801.0/22

All: 0.001+/-0.000 χ^2/NDF: 14484364.1/41

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: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.022 χ^2/NDF:5.5/2

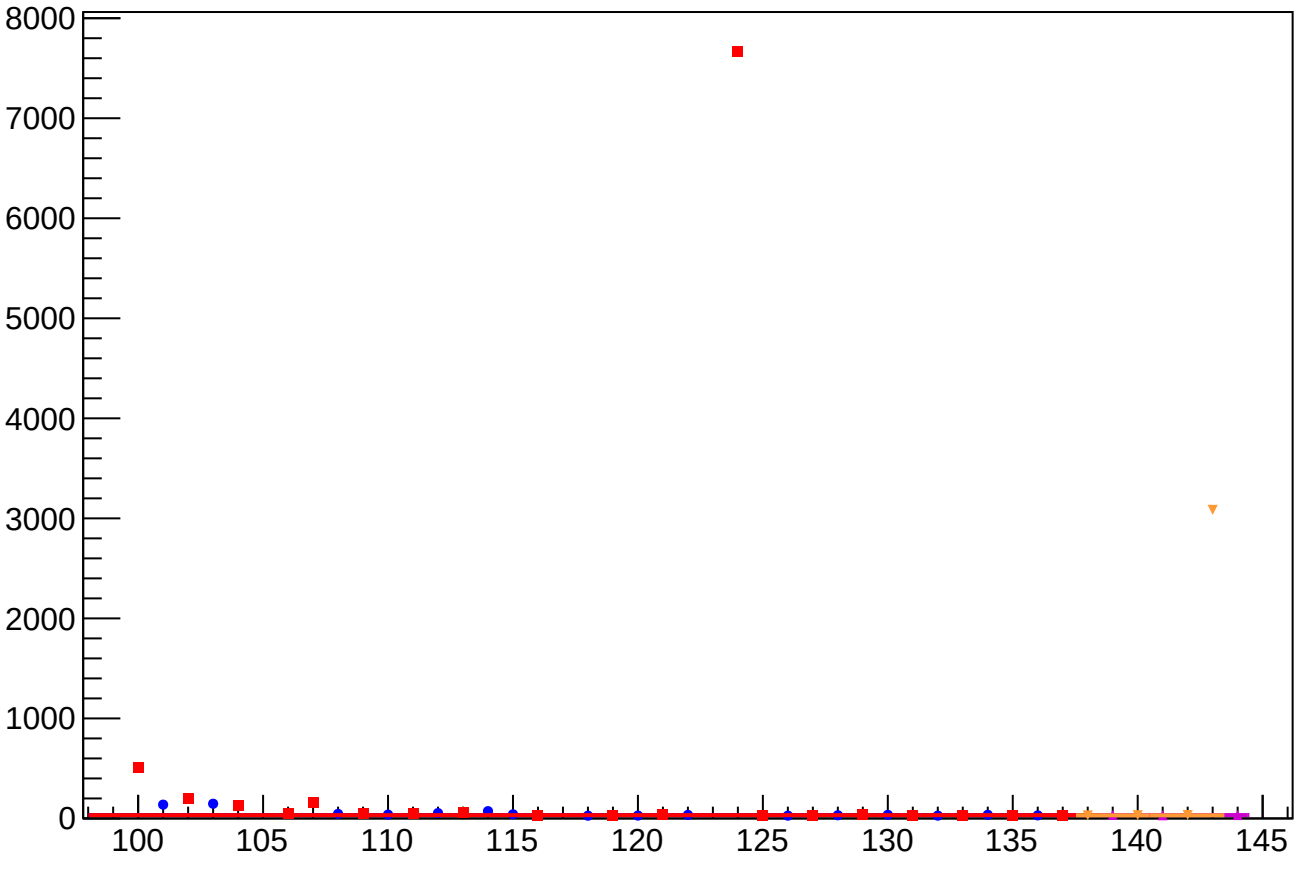
Left: 0.005+/-0.016 χ^2/NDF: 14.5/6

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.012 χ^2/NDF:26.6/18

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: -0.002+/-0.009 χ^2/NDF: 50.4/41



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.839+/-0.017 χ^2/NDF:1605555.7/3

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.4/2

Left: 33.036+/-0.012 χ^2/NDF: 1624400.5/6

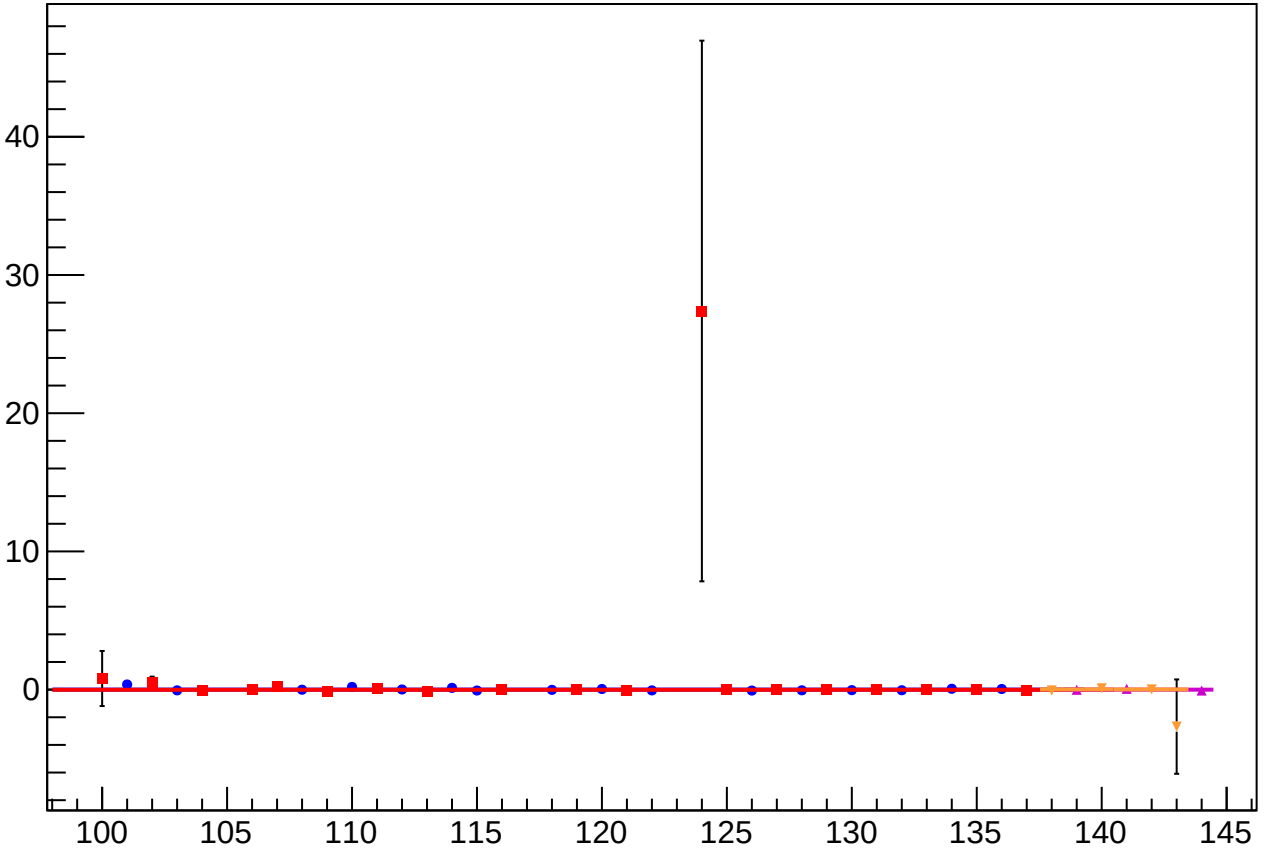
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.059+/-0.009 χ^2/NDF:1726887.2/18

Out: 32.740+/-0.009 χ^2/NDF:3684533.3/22

All: 33.417+/-0.006 χ^2/NDF: 5422596.6/41

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.022 χ^2/NDF:5.5/2

Left: 0.005+/-0.016 χ^2/NDF: 14.5/6

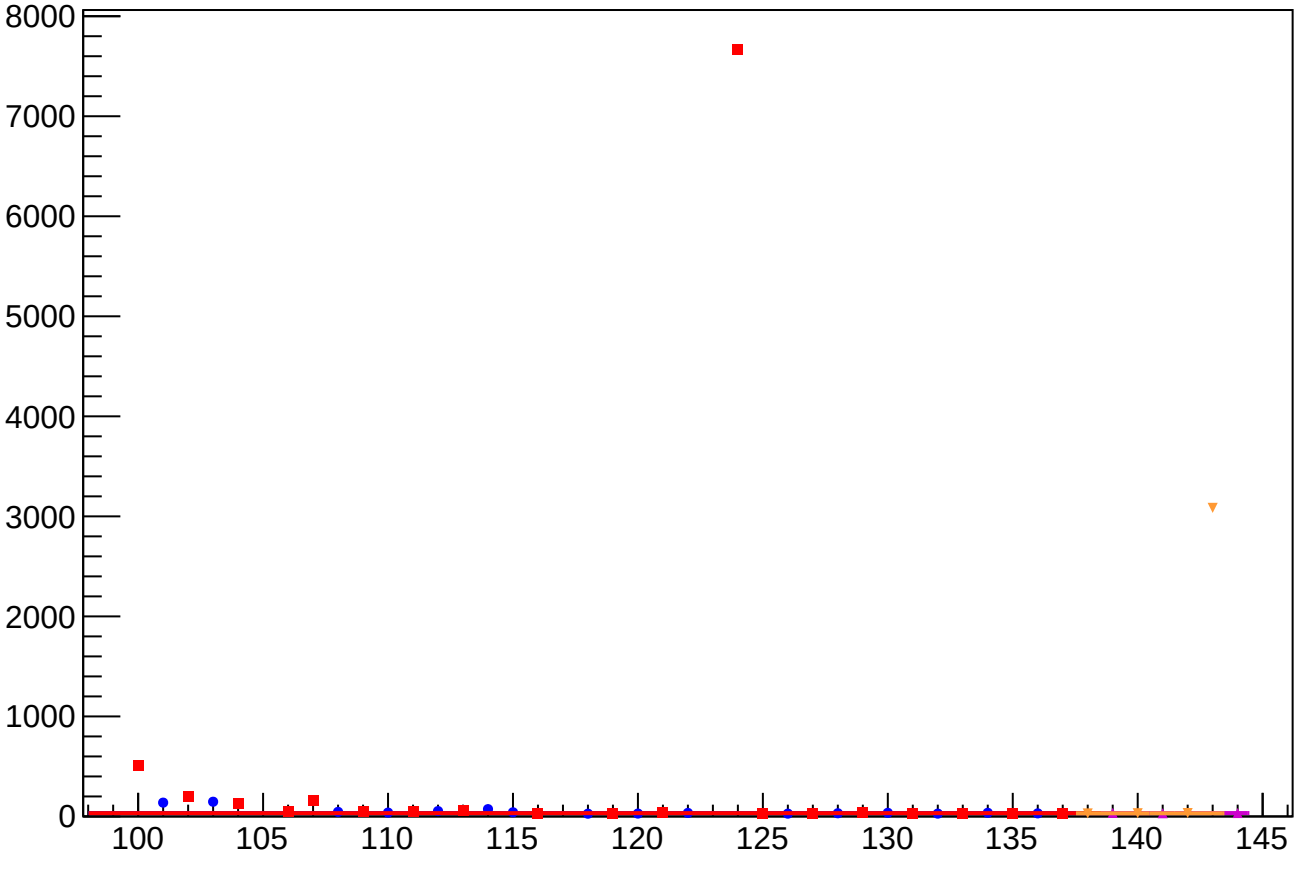
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.000+/-0.012 χ^2/NDF:26.6/18

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: -0.002+/-0.009 χ^2/NDF: 50.4/41

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: 31.839+/-0.017 χ^2/NDF:1605555.7/3

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.067+/-0.016 χ^2/NDF:9632.4/2

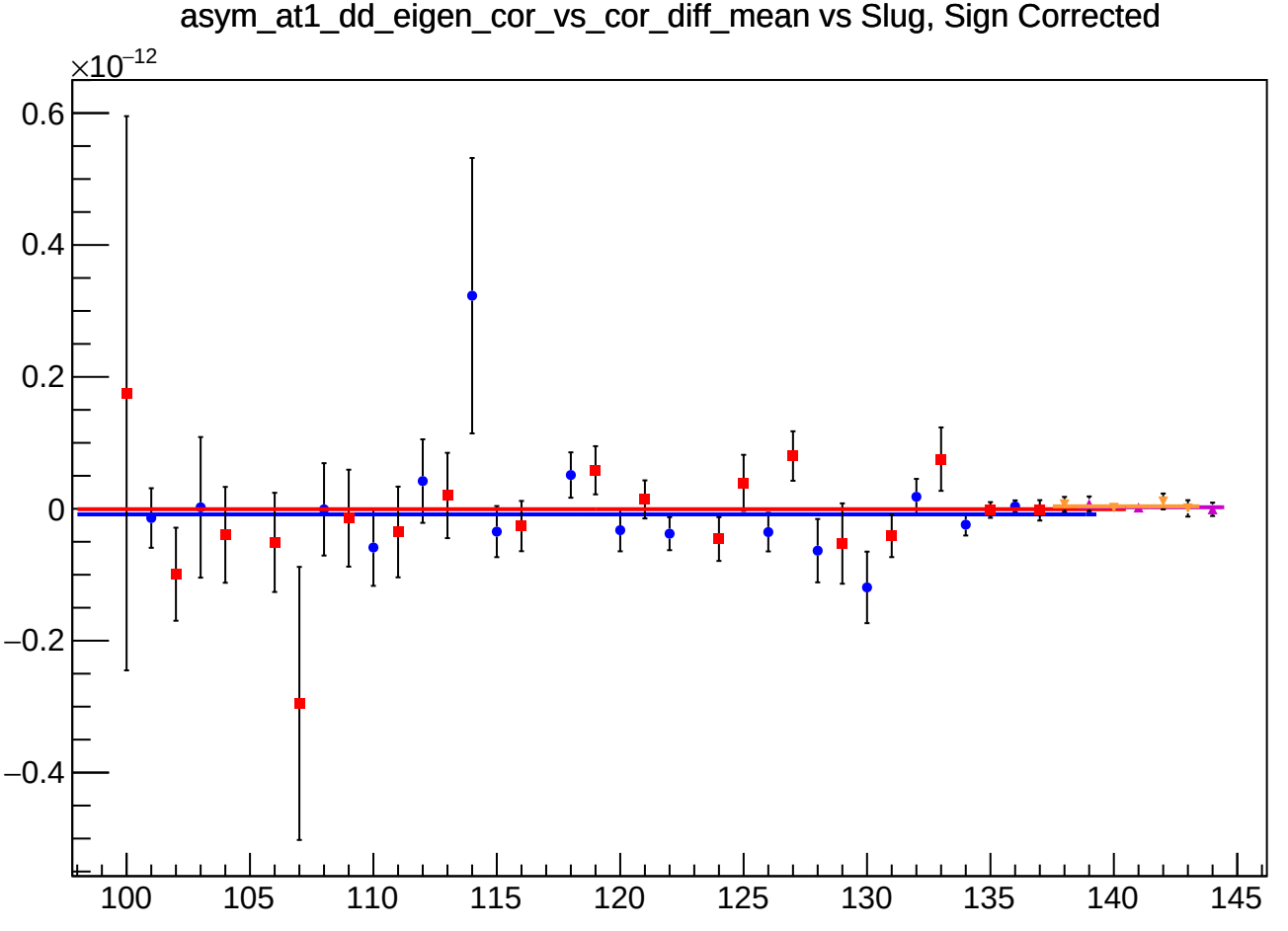
Left: 33.036+/-0.012 χ^2/NDF: 1624400.5/6

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.059+/-0.009 χ^2/NDF:1726887.2/18

Out: 32.740+/-0.009 χ^2/NDF:3684533.3/22

All: 33.417+/-0.006 χ^2/NDF: 5422596.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

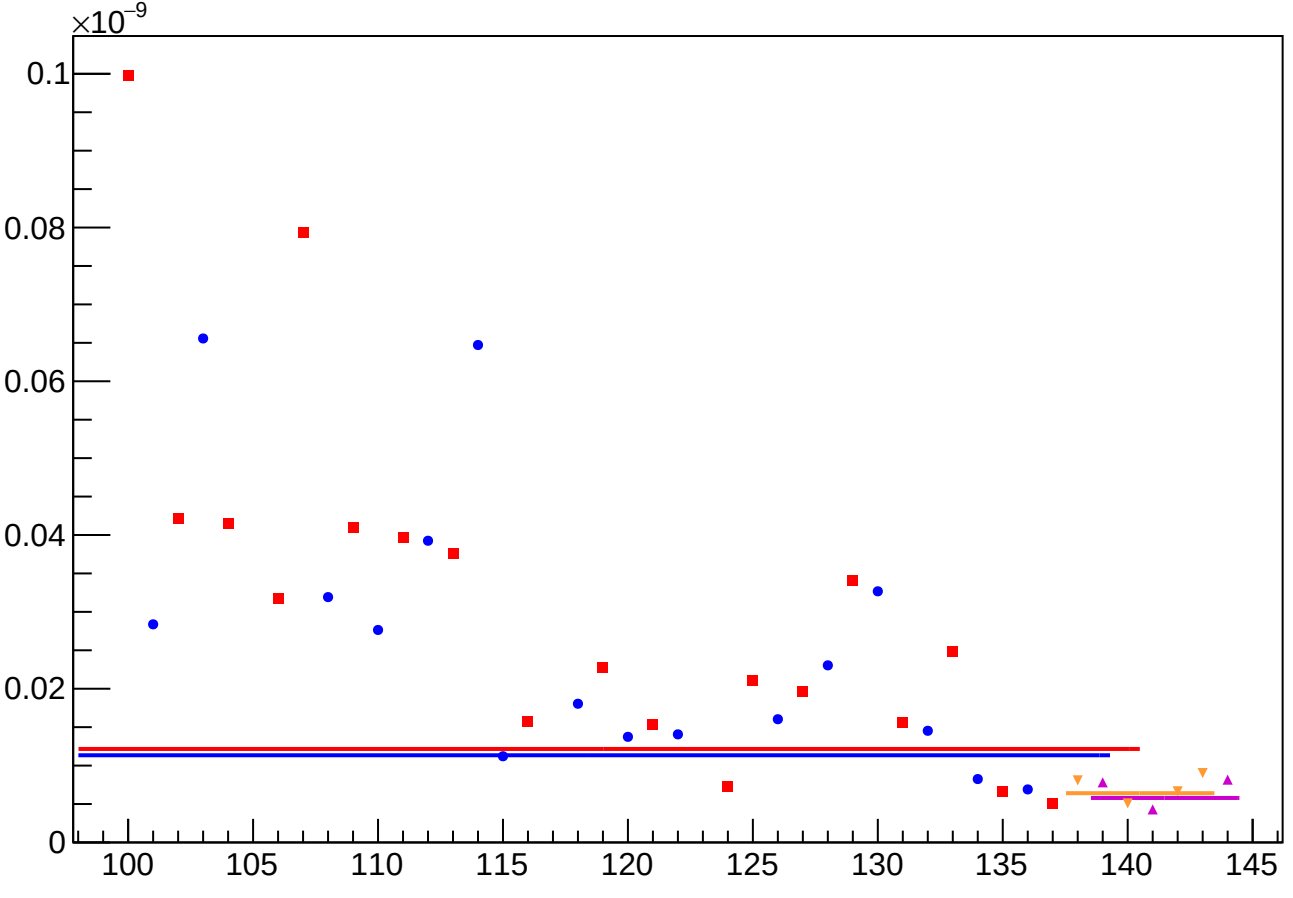
Left: 0.000+/-0.000 χ^2/NDF: 1.0/6

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:21.4/18

Out: 0.000+/-0.000 χ^2/NDF:21.7/22

All: 0.000+/-0.000 χ^2/NDF: 43.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:217967.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:293481.3/2

Left: 0.000+/-0.000 χ^2/NDF: 528682.4/6

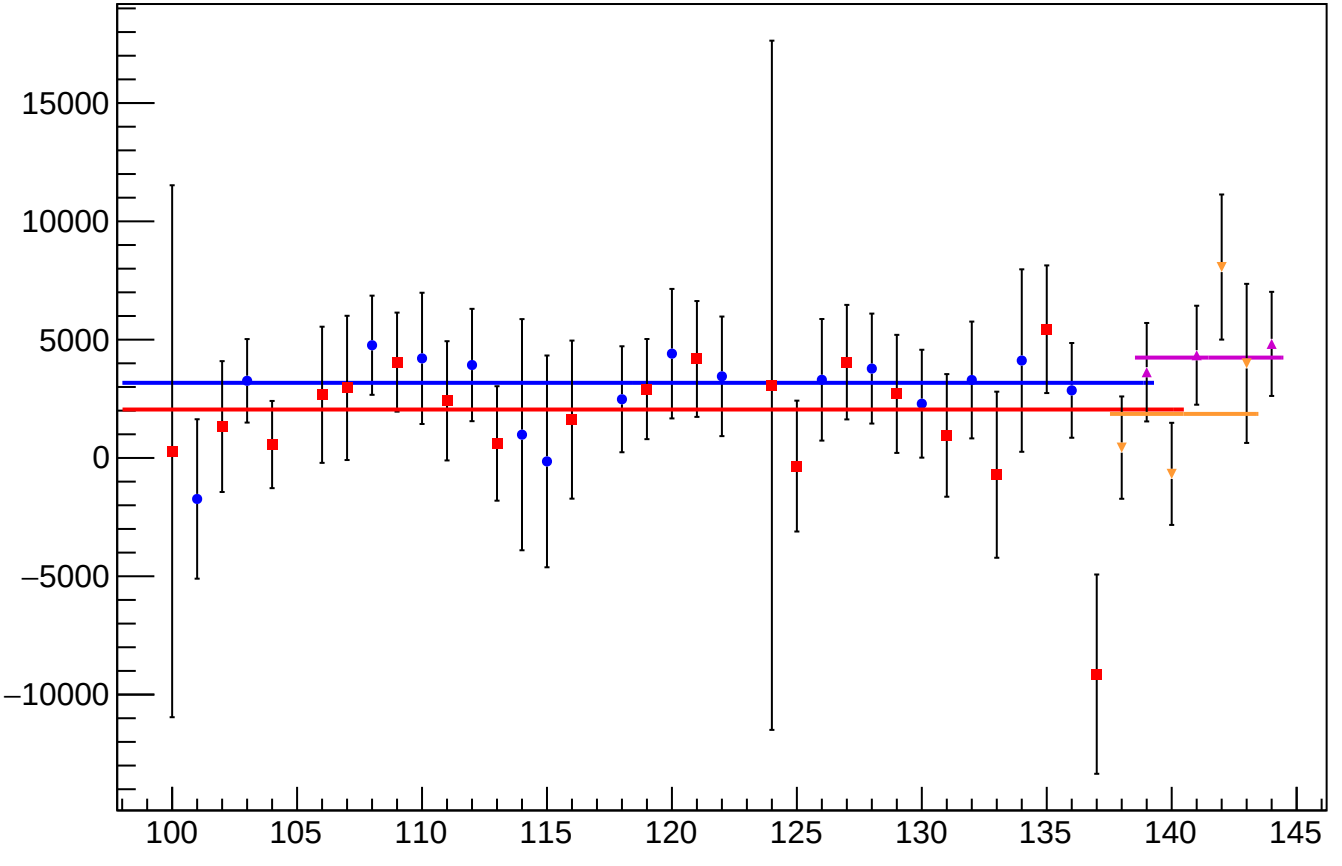
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4076816.3/18

Out: 0.000+/-0.000 χ^2/NDF:4862629.3/22

All: 0.000+/-0.000 χ^2/NDF: 8947147.2/41

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.091+/-1266.589 χ^2/NDF:6.3/3

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 4241.799+/-1225.177 χ^2/NDF:0.2/2

Left: 3091.484+/-880.608 χ^2/NDF: 8.3/6

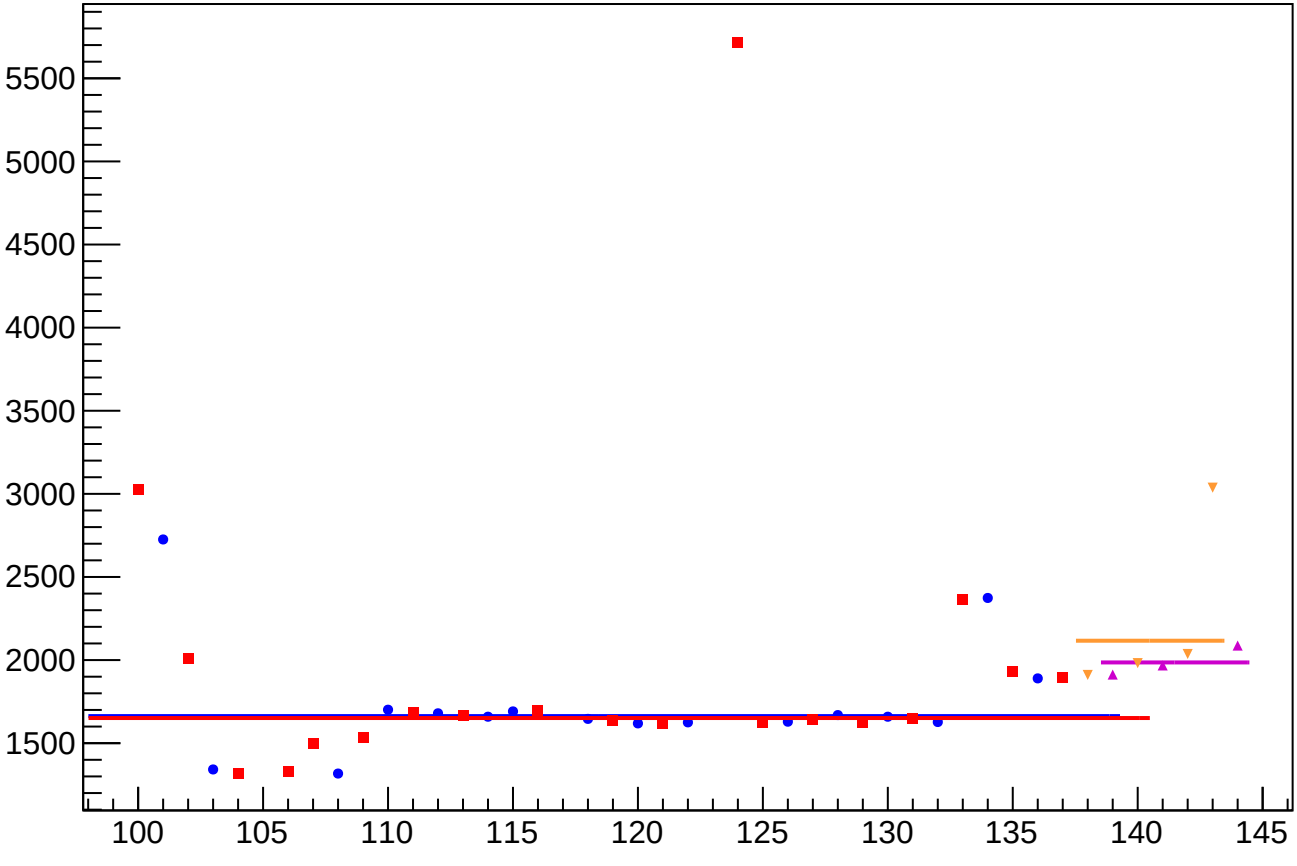
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3397.438+/-558.854 χ^2/NDF:5.1/18

Out: 2011.443+/-557.948 χ^2/NDF:20.4/22

All: 2703.316+/-394.849 χ^2/NDF: 28.5/41

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

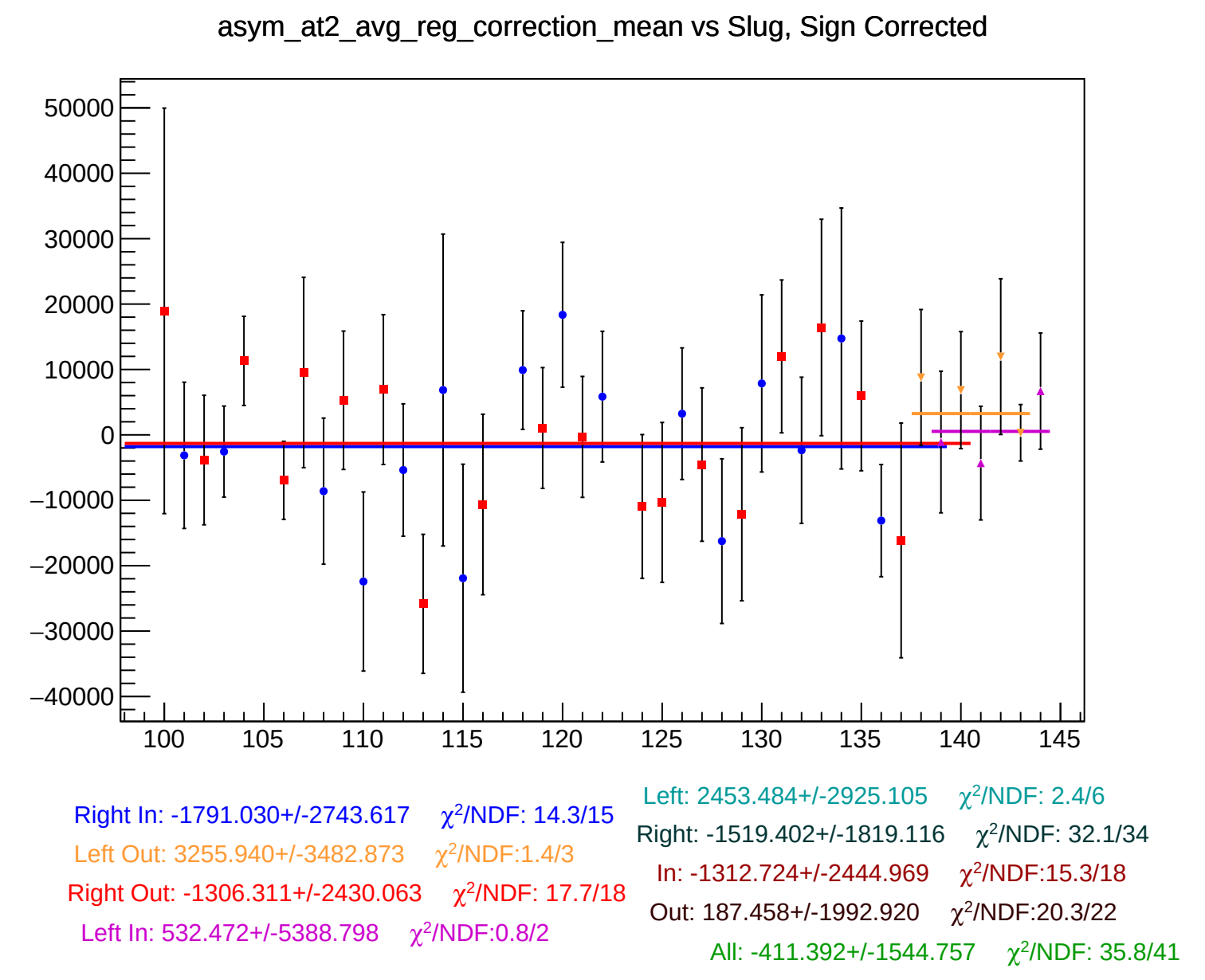
Left: 2048.958+/-0.623 χ^2/NDF: 195197.0/6

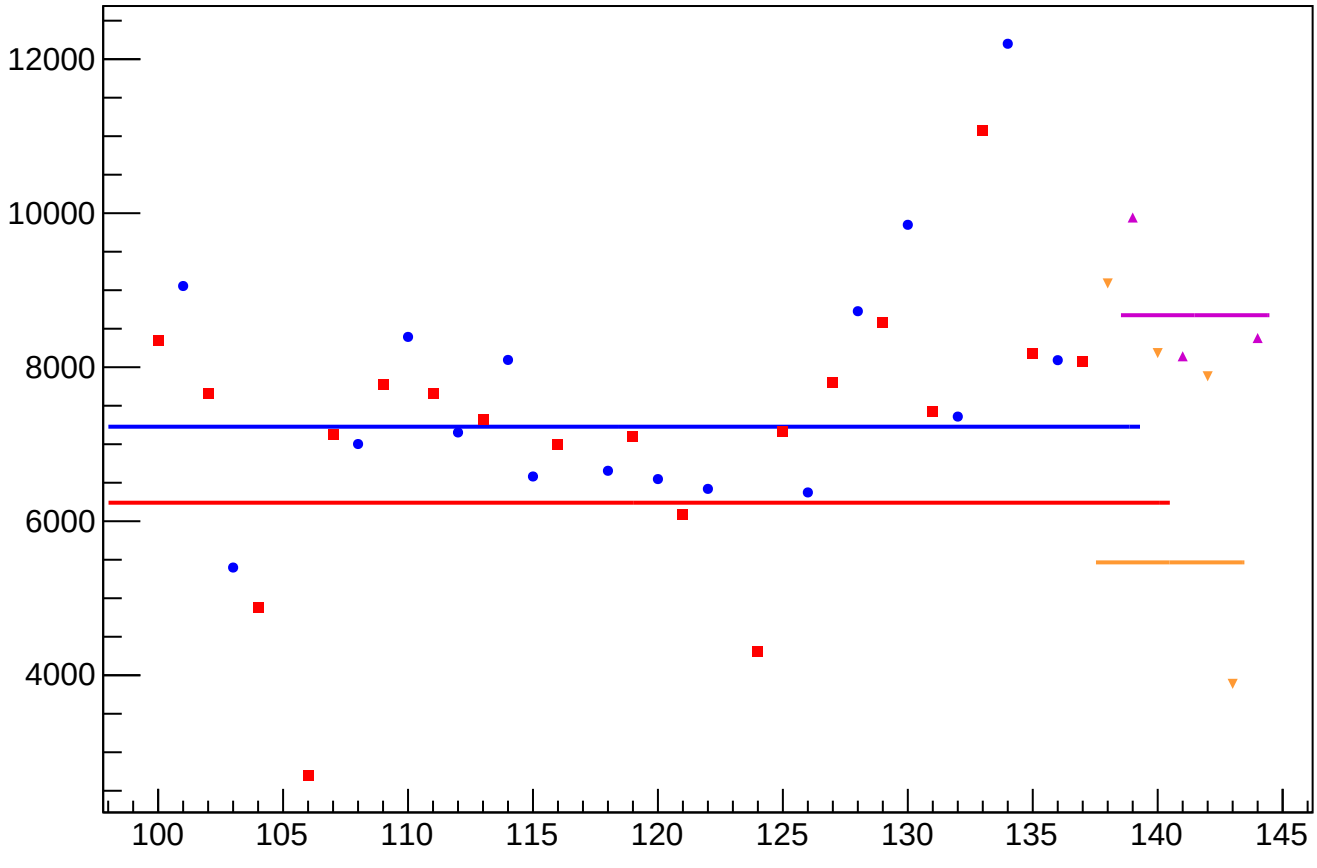
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1730.086+/-0.395 χ^2/NDF:532510.0/18

Out: 1741.581+/-0.395 χ^2/NDF:826686.9/22

All: 1735.843+/-0.279 χ^2/NDF: 1359620.7/41


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 3255.940+/-3482.873 χ²/NDF:1.4/3
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 532.472+/-5388.798 χ²/NDF:0.8/2
Left: 2453.484+/-2925.105 χ²/NDF: 2.4/6
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -1312.724+/-2444.969 χ²/NDF:15.3/18
Out: 187.458+/-1992.920 χ²/NDF:20.3/22
All: -411.392+/-1544.757 χ²/NDF: 35.8/41



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 5465.659+/-2.463 χ^2/NDF:776942.5/3

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8675.378+/-3.810 χ^2/NDF:37208.6/2

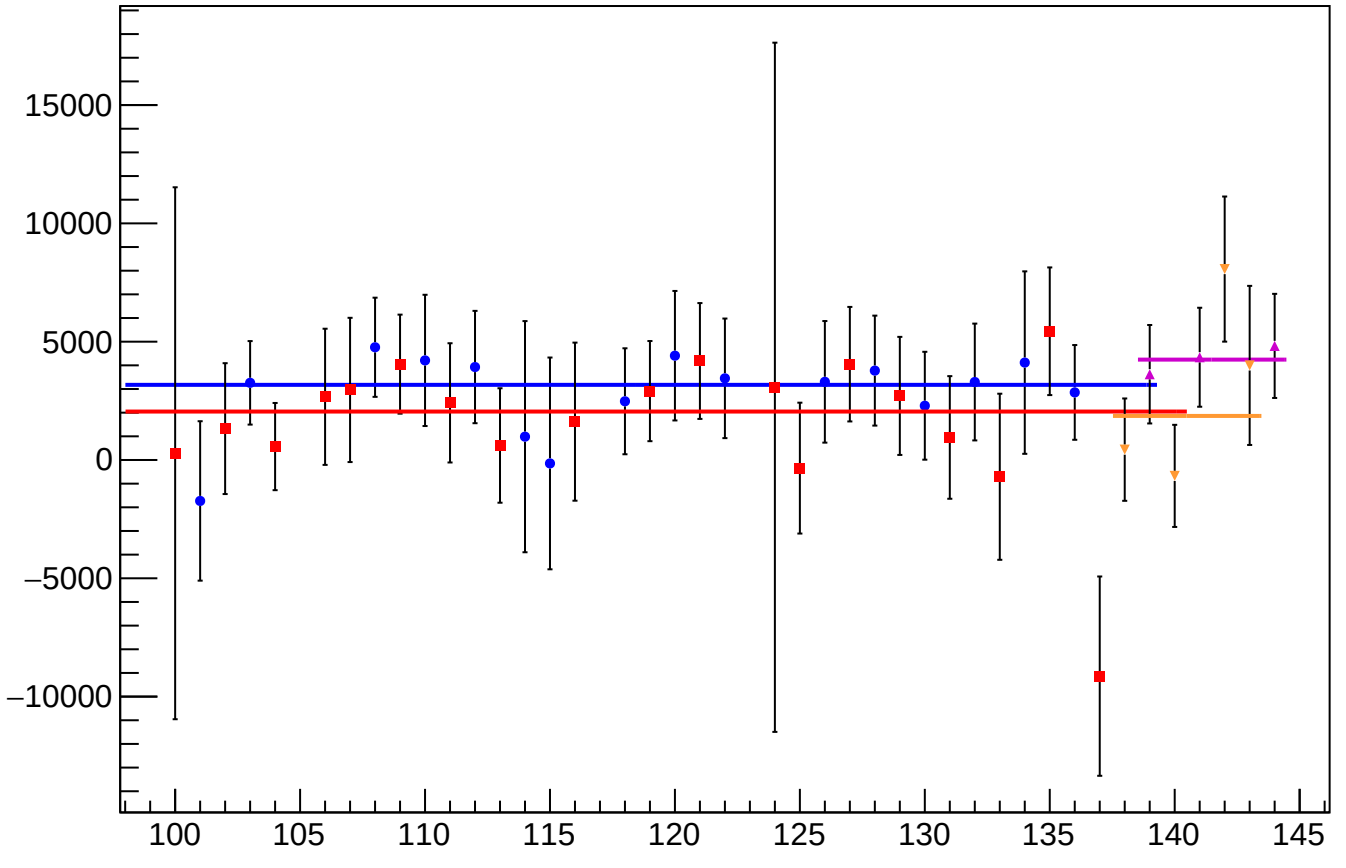
Left: 6411.387+/-2.068 χ^2/NDF: 1314632.4/6

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7525.625+/-1.729 χ^2/NDF:655114.6/18

Out: 5986.840+/-1.409 χ^2/NDF:2242606.7/22

All: 6601.100+/-1.092 χ^2/NDF: 3373692.0/41



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 4242.023+/-1225.177 χ^2/NDF:0.2/2

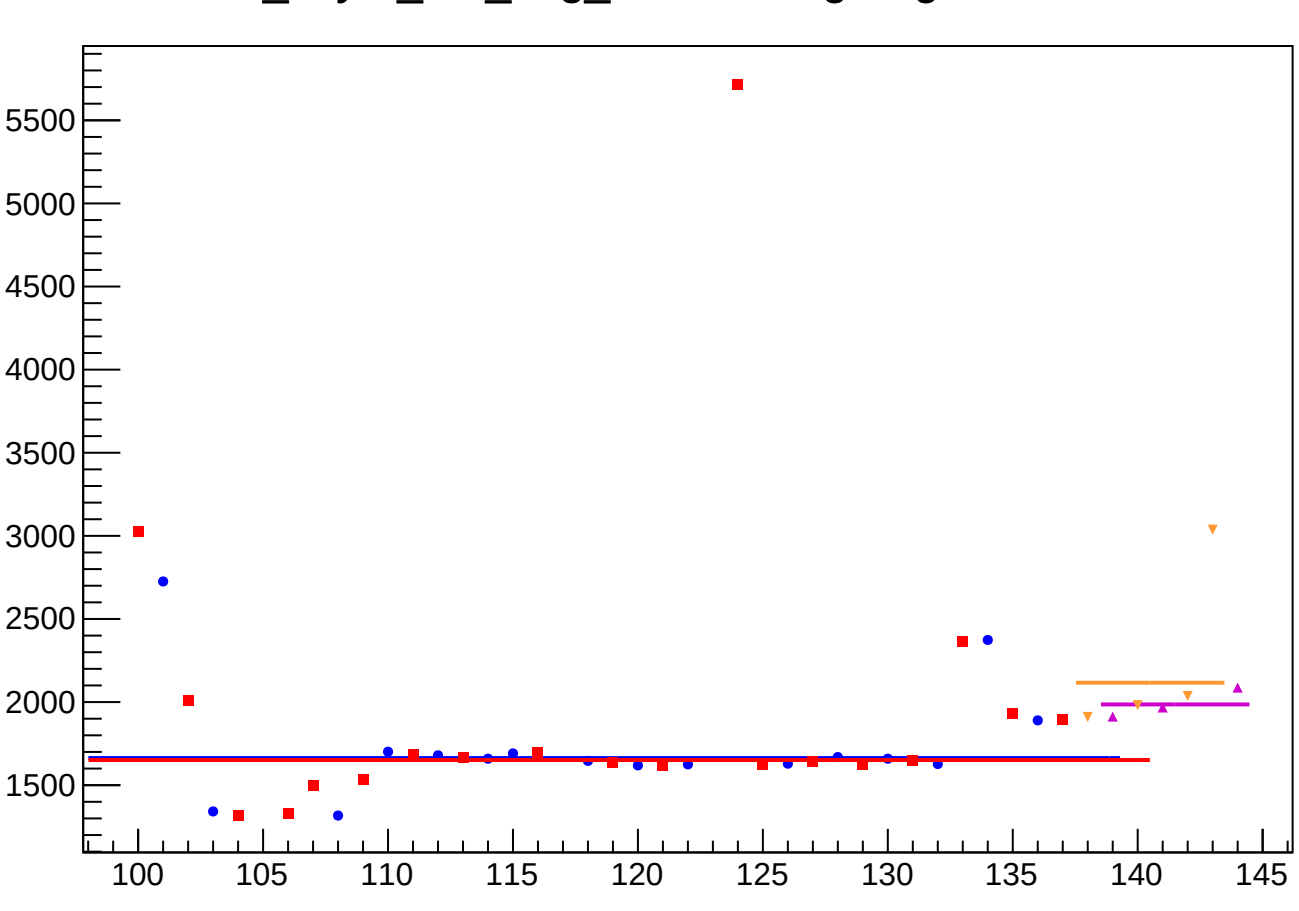
Left: 3091.620+/-880.608 χ^2/NDF: 8.3/6

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3397.556+/-558.854 χ^2/NDF:5.1/18

Out: 2011.295+/-557.948 χ^2/NDF:20.4/22

All: 2703.300+/-394.849 χ^2/NDF: 28.5/41



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

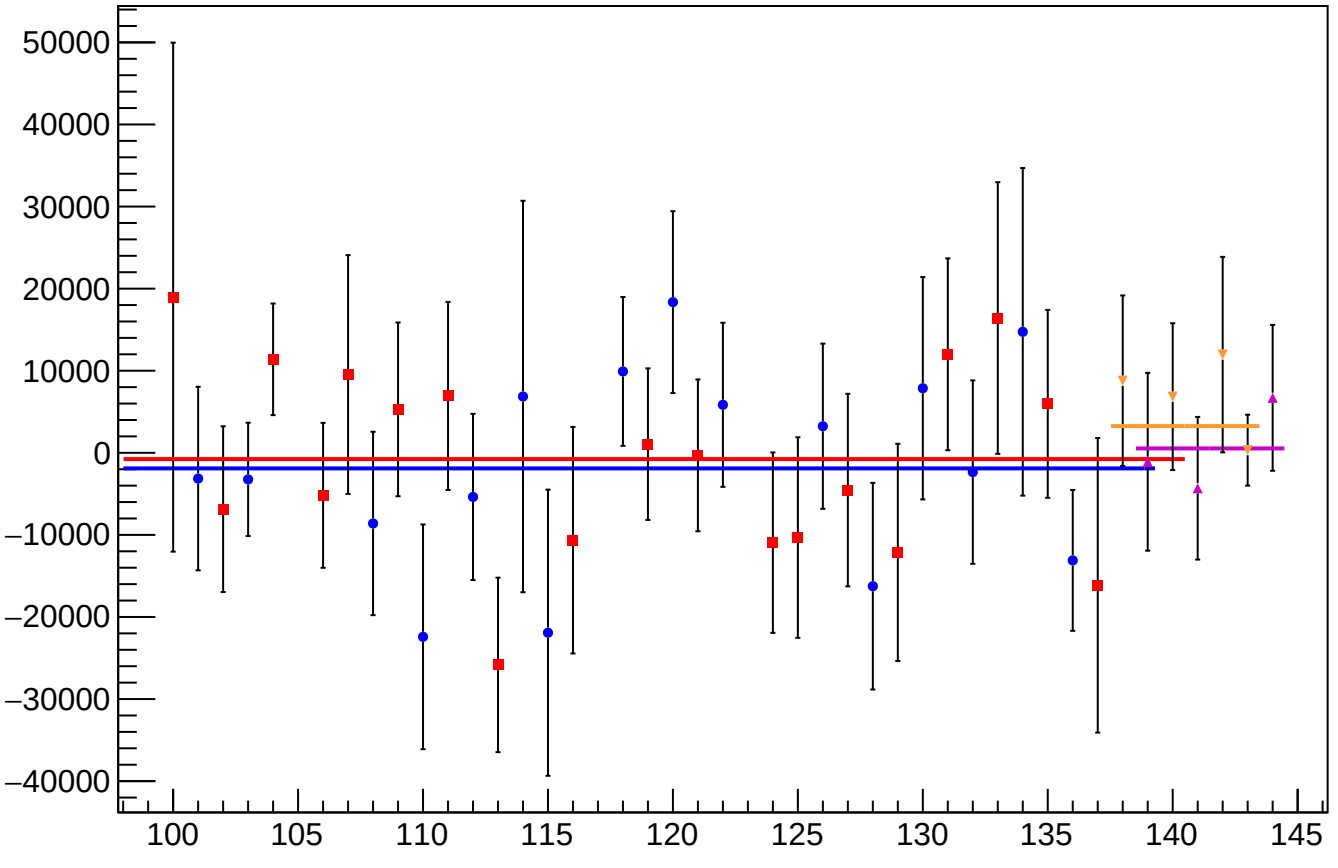
Left: 2048.958+/-0.623 χ^2/NDF: 195197.0/6

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1730.086+/-0.395 χ^2/NDF:532510.4/18

Out: 1741.581+/-0.395 χ^2/NDF:826687.1/22

All: 1735.843+/-0.279 χ^2/NDF: 1359621.4/41



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 532.544+/-5388.793 χ^2/NDF:0.8/2

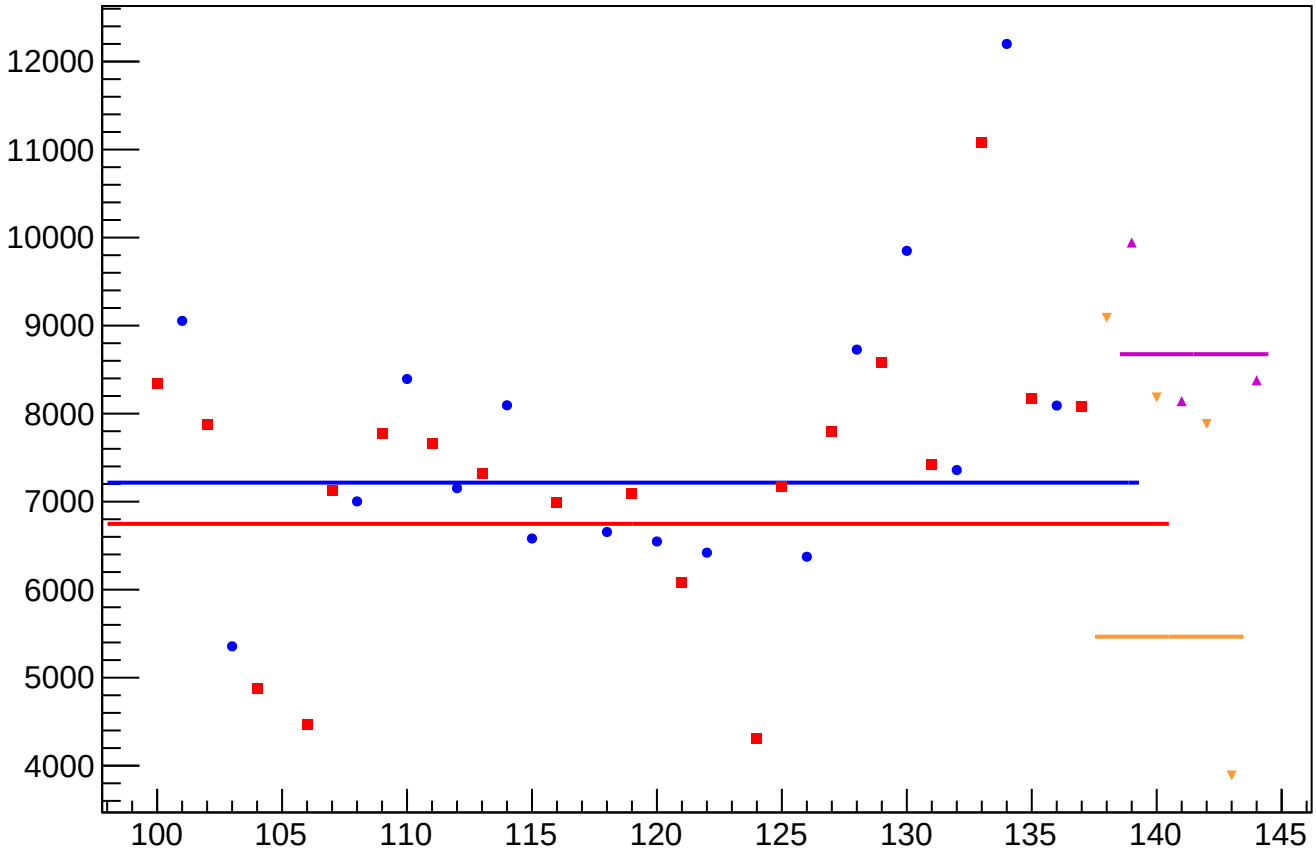
Left: 2453.376+/-2925.089 χ^2/NDF: 2.4/6

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1400.408+/-2442.375 χ^2/NDF:15.3/18

Out: 639.750+/-2057.454 χ^2/NDF:19.6/22

All: -207.079+/-1573.542 χ^2/NDF: 35.3/41



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8675.369+/-3.810 χ^2/NDF:37208.8/2

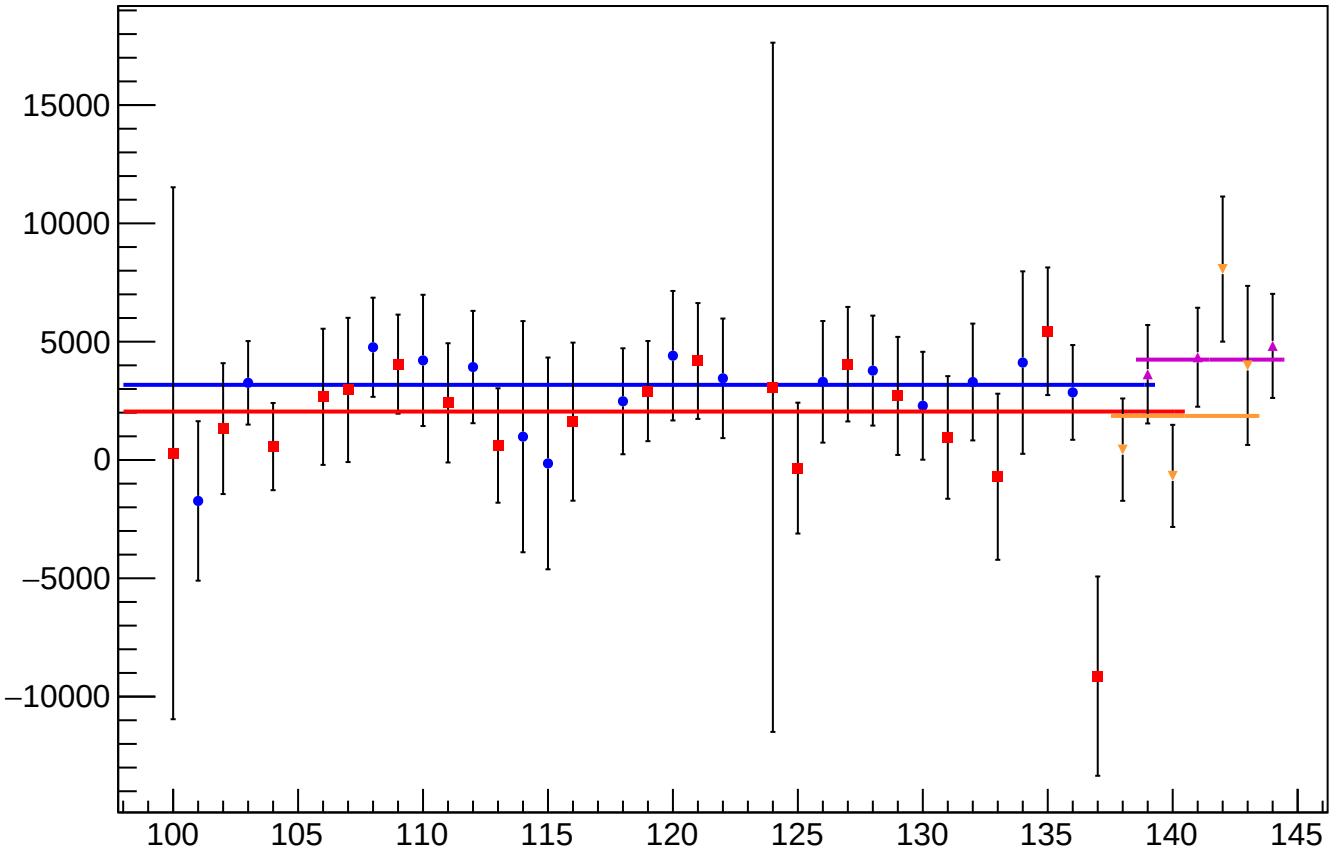
Left: 6411.341+/-2.068 χ^2/NDF: 1314665.5/6

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7515.806+/-1.727 χ^2/NDF:665881.3/18

Out: 6300.309+/-1.455 χ^2/NDF:1662203.3/22

All: 6804.838+/-1.113 χ^2/NDF: 2617825.3/41



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 4242.023+/-1225.177 χ^2/NDF:0.2/2

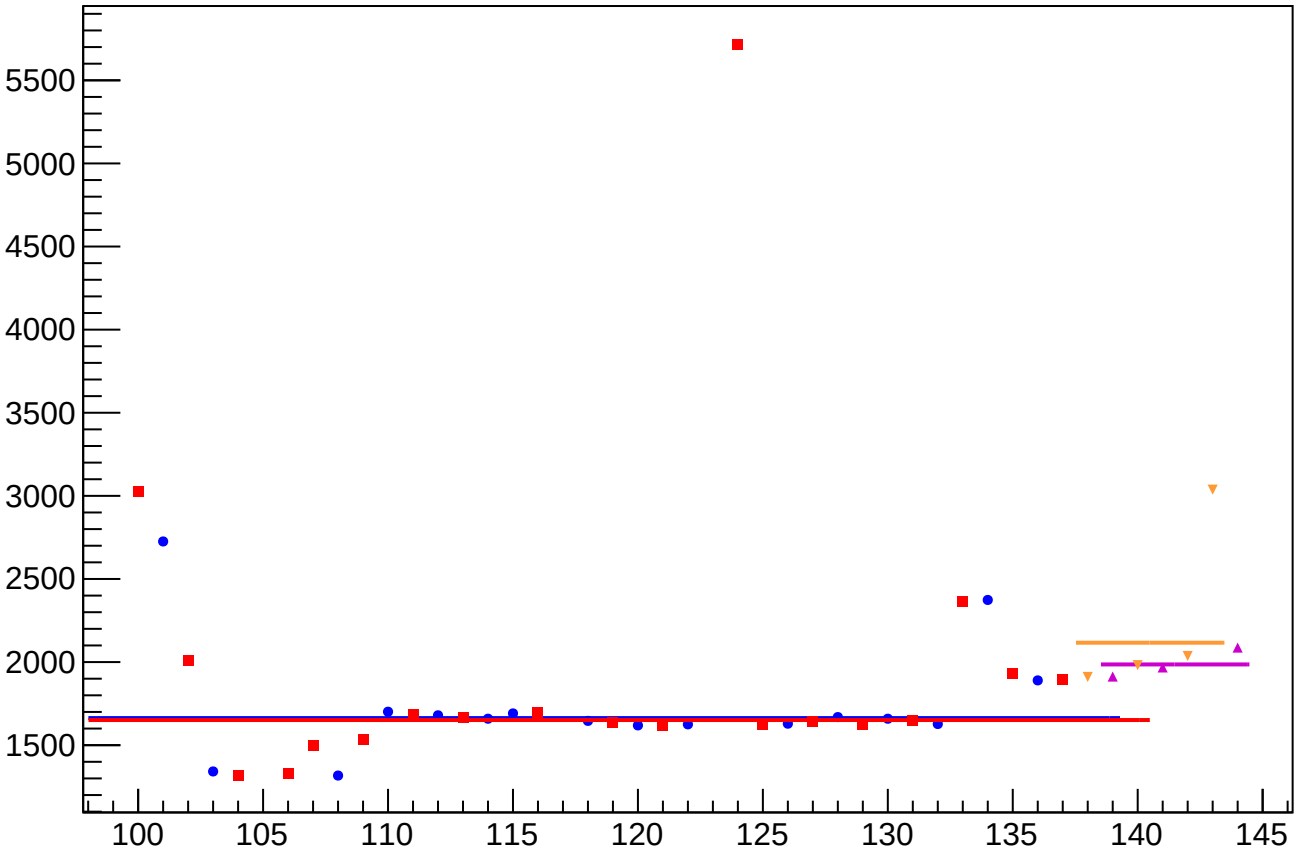
Left: 3091.620+/-880.608 χ^2/NDF: 8.3/6

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3397.556+/-558.854 χ^2/NDF:5.1/18

Out: 2011.295+/-557.948 χ^2/NDF:20.4/22

All: 2703.300+/-394.849 χ^2/NDF: 28.5/41



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1985.803+/-0.866 χ^2/NDF:6861.9/2

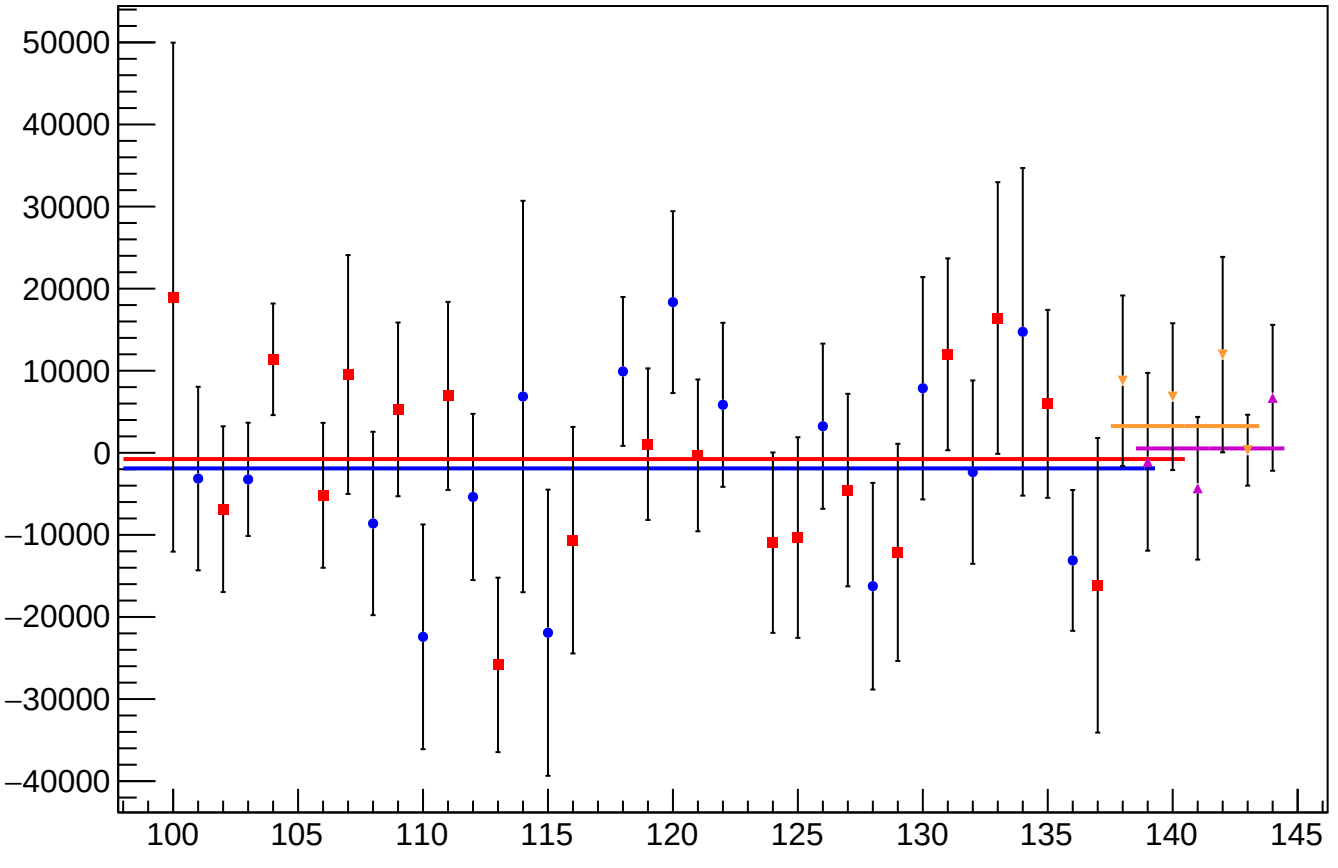
Left: 2048.958+/-0.623 χ^2/NDF: 195197.0/6

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1730.086+/-0.395 χ^2/NDF:532510.4/18

Out: 1741.581+/-0.395 χ^2/NDF:826687.1/22

All: 1735.843+/-0.279 χ^2/NDF: 1359621.4/41



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 532.544+/-5388.793 χ^2/NDF:0.8/2

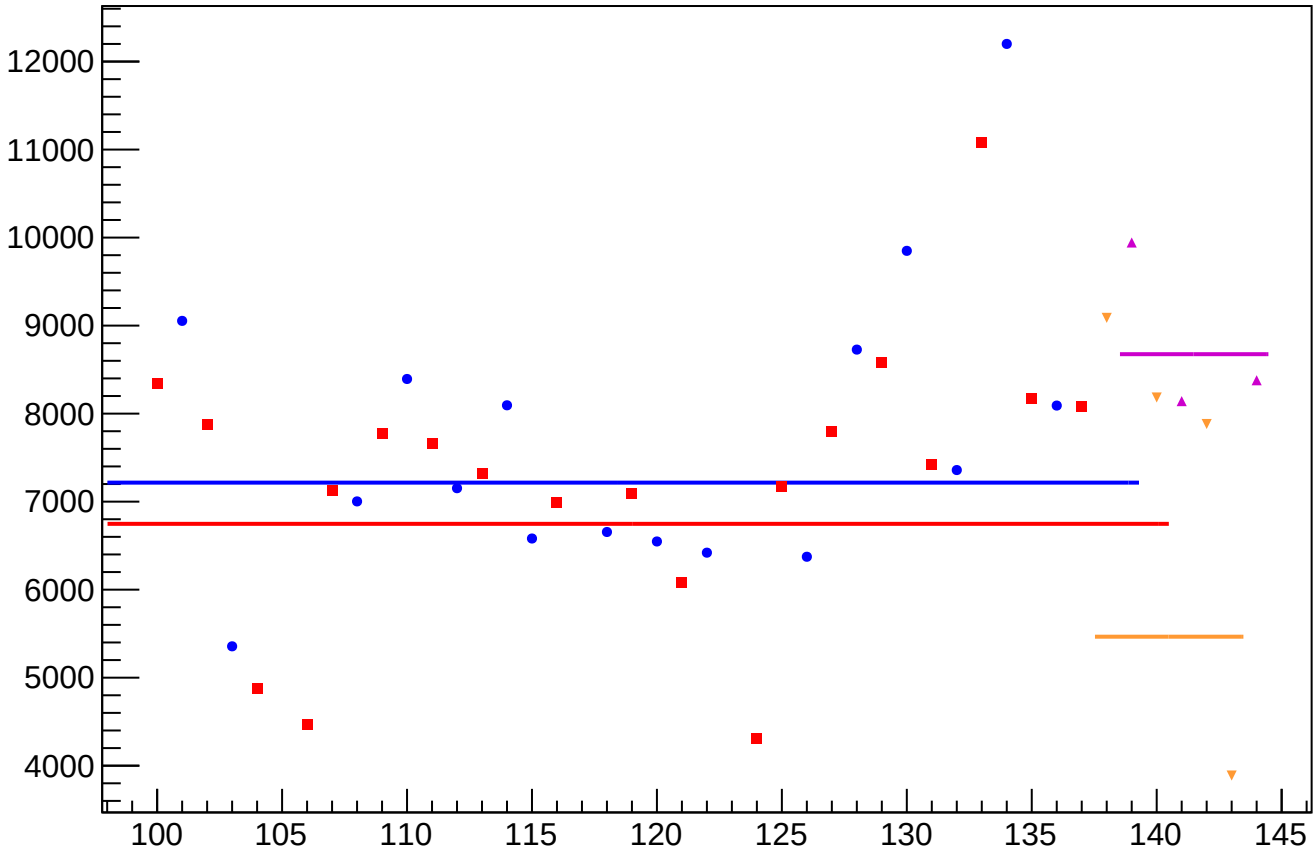
Left: 2453.376+/-2925.089 χ^2/NDF: 2.4/6

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1400.408+/-2442.375 χ^2/NDF:15.3/18

Out: 639.750+/-2057.454 χ^2/NDF:19.6/22

All: -207.079+/-1573.542 χ^2/NDF: 35.3/41



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8675.369+/-3.810 χ^2/NDF:37208.8/2

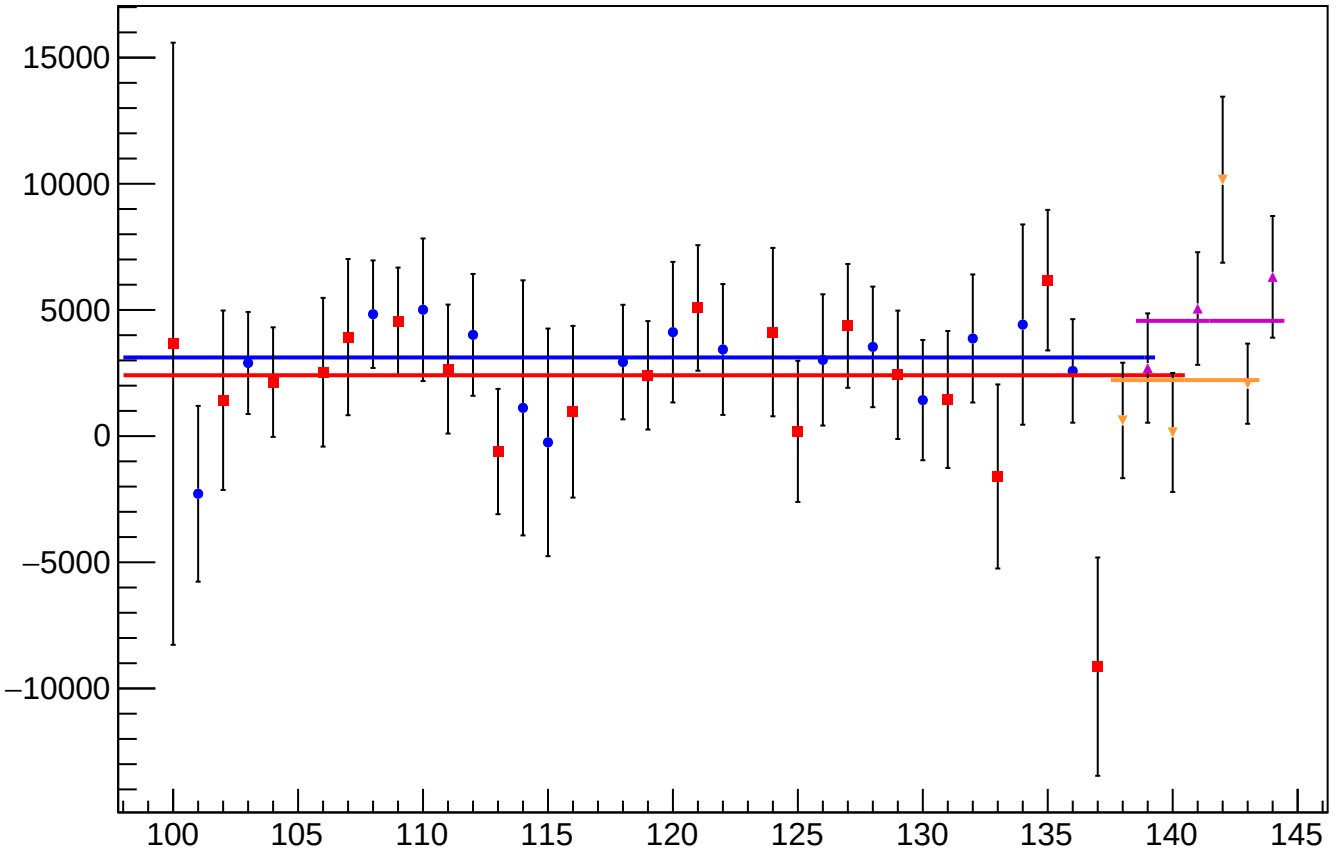
Left: 6411.341+/-2.068 χ^2/NDF: 1314665.5/6

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7515.806+/-1.727 χ^2/NDF:665881.3/18

Out: 6300.309+/-1.455 χ^2/NDF:1662203.3/22

All: 6804.838+/-1.113 χ^2/NDF: 2617825.3/41



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2219.275+/-1078.543 χ^2/NDF:7.1/3

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 4567.915+/-1306.486 χ^2/NDF:1.3/2

Left: 3171.161+/-831.743 χ^2/NDF: 10.3/6

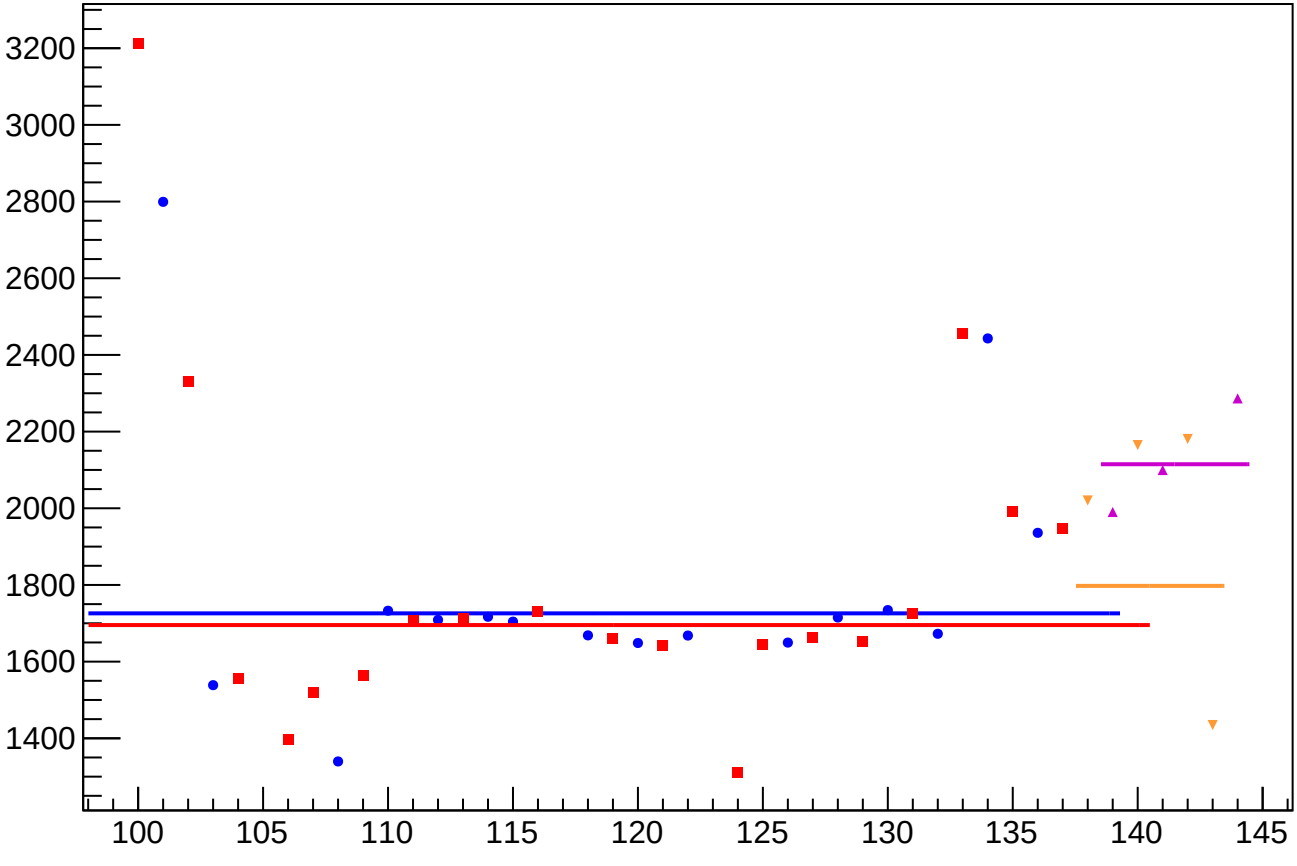
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3406.377+/-582.757 χ^2/NDF:7.6/18

Out: 2362.275+/-549.768 χ^2/NDF:23.1/22

All: 2853.939+/-399.899 χ^2/NDF: 32.4/41

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1797.578+/-0.763 χ^2/NDF:199078.5/3

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2114.872+/-0.924 χ^2/NDF:16854.6/2

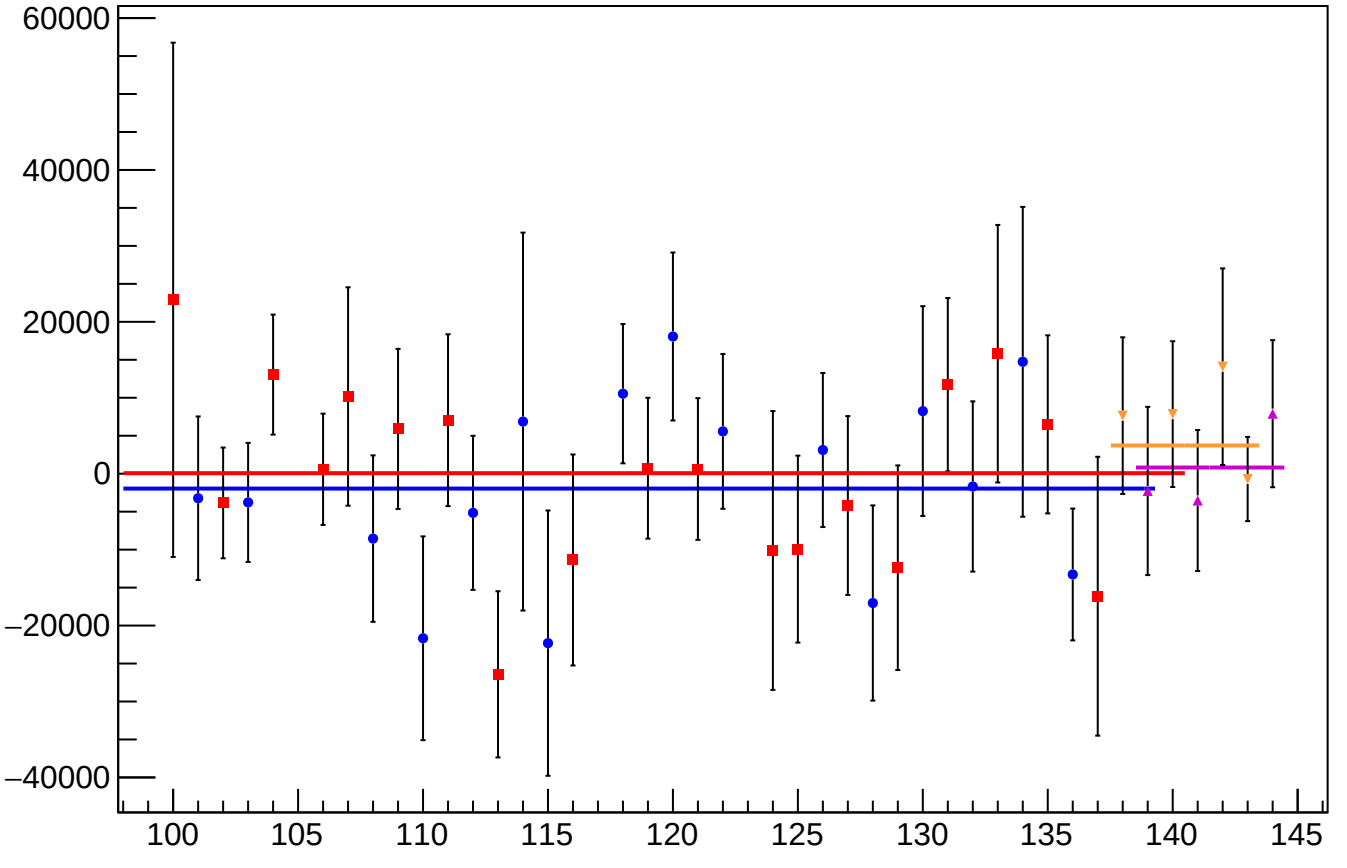
Left: 1926.175+/-0.588 χ^2/NDF: 286086.5/6

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1803.298+/-0.412 χ^2/NDF:524493.5/18

Out: 1721.925+/-0.389 χ^2/NDF:497992.6/22

All: 1760.232+/-0.283 χ^2/NDF: 1043124.6/41



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3715.539+/-4125.691 χ^2/NDF:1.6/3

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 812.568+/-5733.559 χ^2/NDF:0.8/2

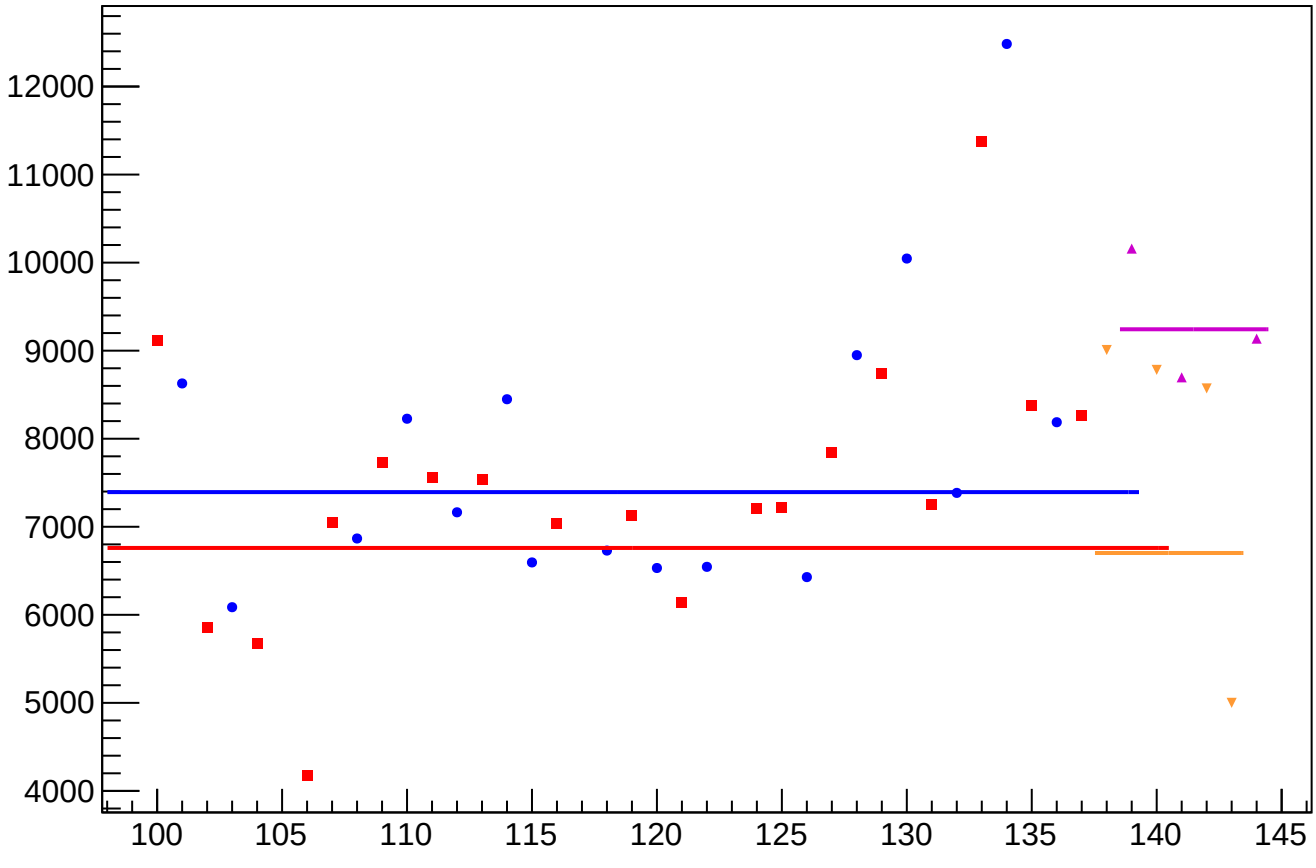
Left: 2725.211+/-3348.824 χ^2/NDF: 2.6/6

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1425.460+/-2514.781 χ^2/NDF:15.4/18

Out: 1064.653+/-2156.473 χ^2/NDF:18.3/22

All: 9.483+/-1637.012 χ^2/NDF: 34.3/41



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 6702.139+/-2.917 χ^2/NDF:423868.3/3

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9242.927+/-4.054 χ^2/NDF:20842.4/2

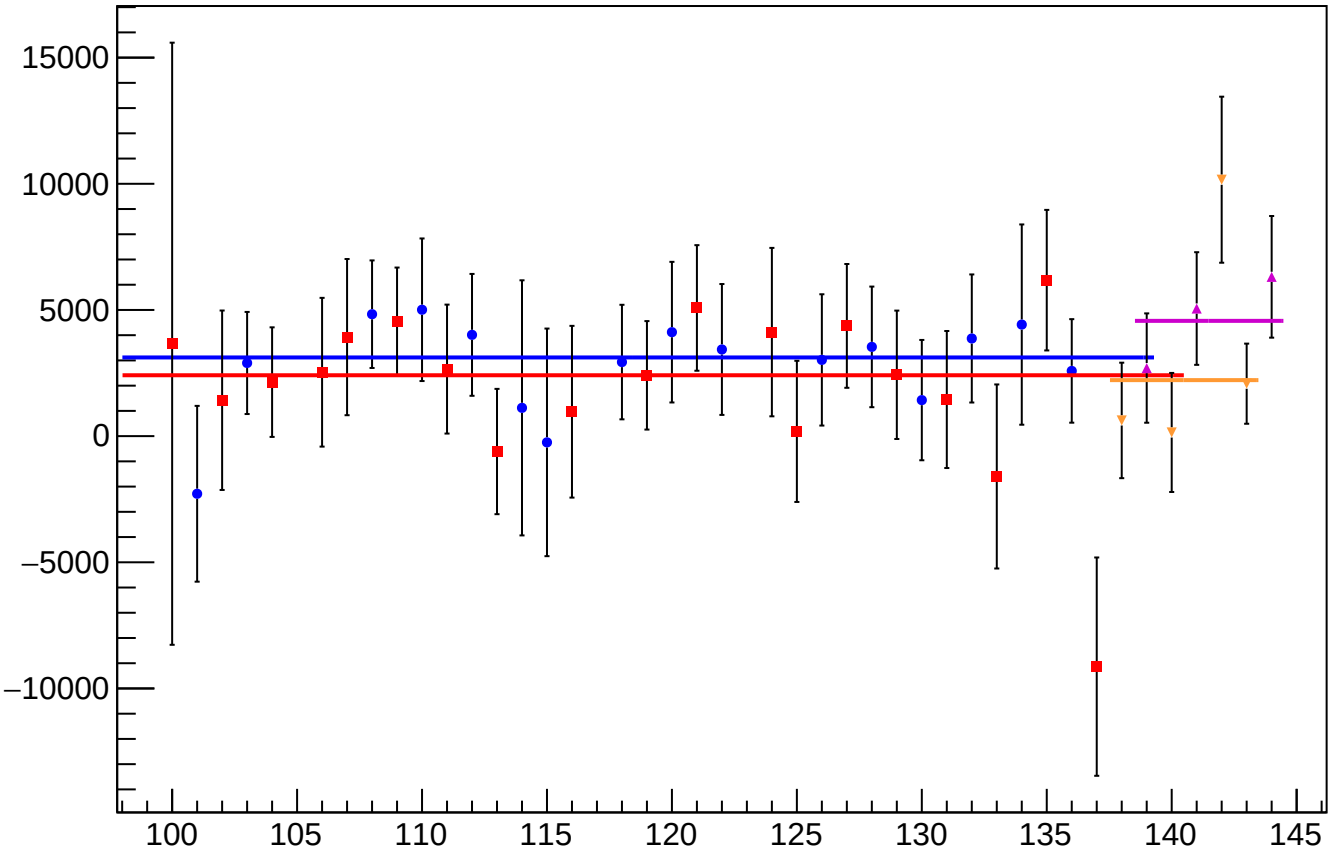
Left: 7568.910+/-2.368 χ^2/NDF: 703478.1/6

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7749.385+/-1.778 χ^2/NDF:590707.1/18

Out: 6743.776+/-1.525 χ^2/NDF:1068439.5/22

All: 7169.897+/-1.158 χ^2/NDF: 1843437.3/41



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 2219.276+/-1078.544 χ^2/NDF:7.1/3

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 4567.903+/-1306.488 χ^2/NDF:1.3/2

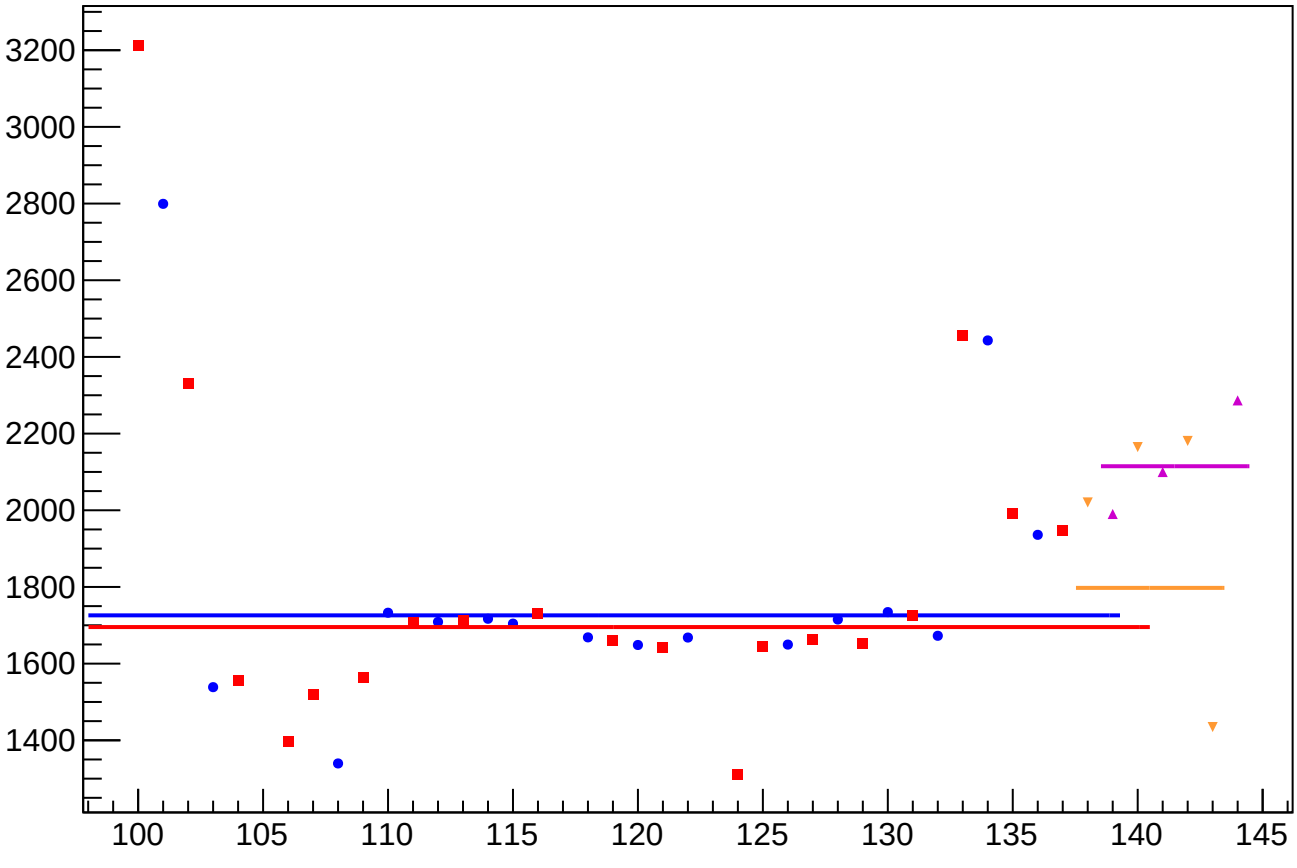
Left: 3171.156+/-831.744 χ^2/NDF: 10.3/6

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3406.376+/-582.757 χ^2/NDF:7.6/18

Out: 2362.281+/-549.768 χ^2/NDF:23.1/22

All: 2853.942+/-399.899 χ^2/NDF: 32.4/41



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1797.580+/-0.763 χ^2/NDF:199078.0/3

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2114.875+/-0.924 χ^2/NDF:16854.8/2

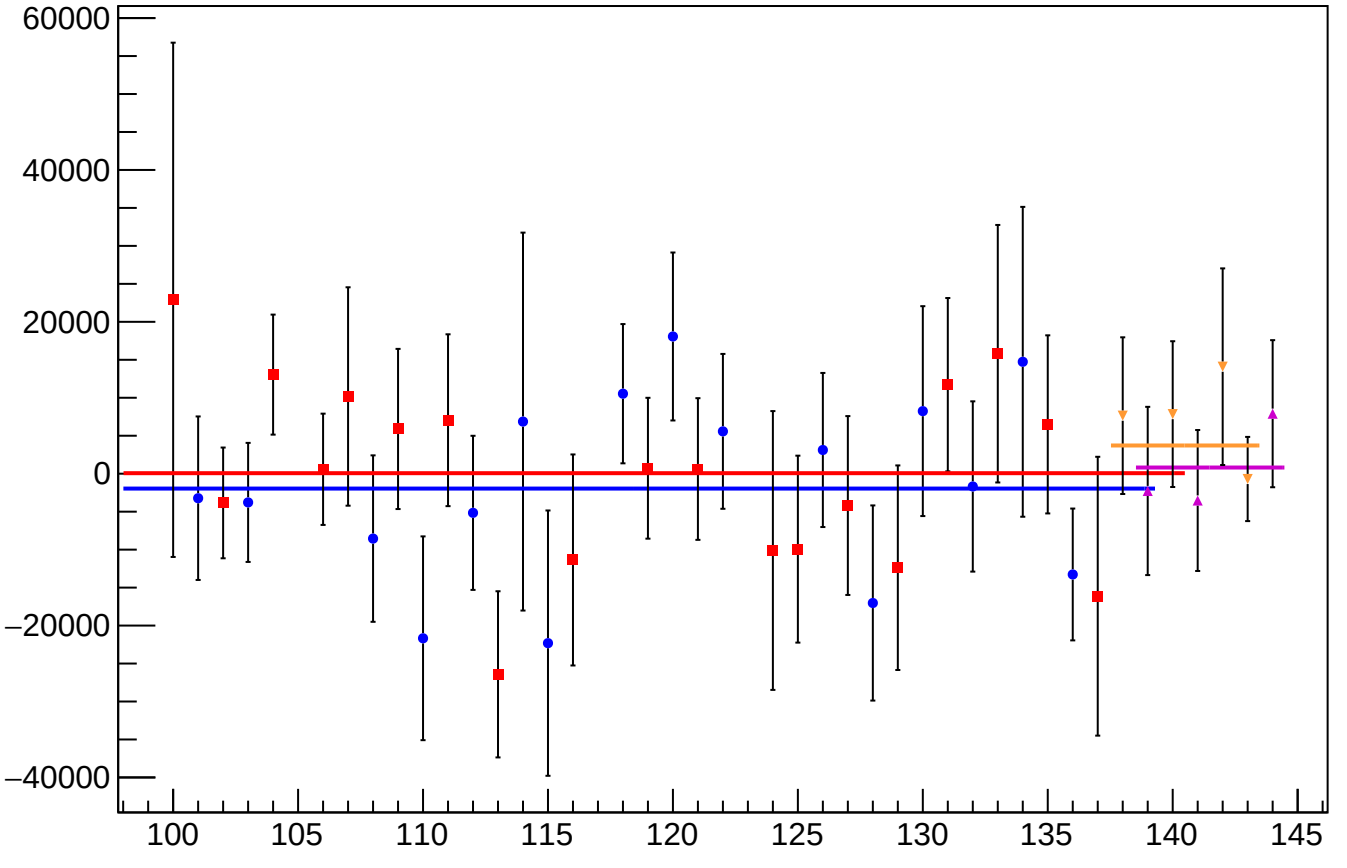
Left: 1926.177+/-0.588 χ^2/NDF: 286086.3/6

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1803.298+/-0.412 χ^2/NDF:524496.0/18

Out: 1721.925+/-0.389 χ^2/NDF:497993.1/22

All: 1760.232+/-0.283 χ^2/NDF: 1043127.4/41



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3715.542+/-4125.699 χ^2/NDF:1.6/3

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 812.559+/-5733.568 χ^2/NDF:0.8/2

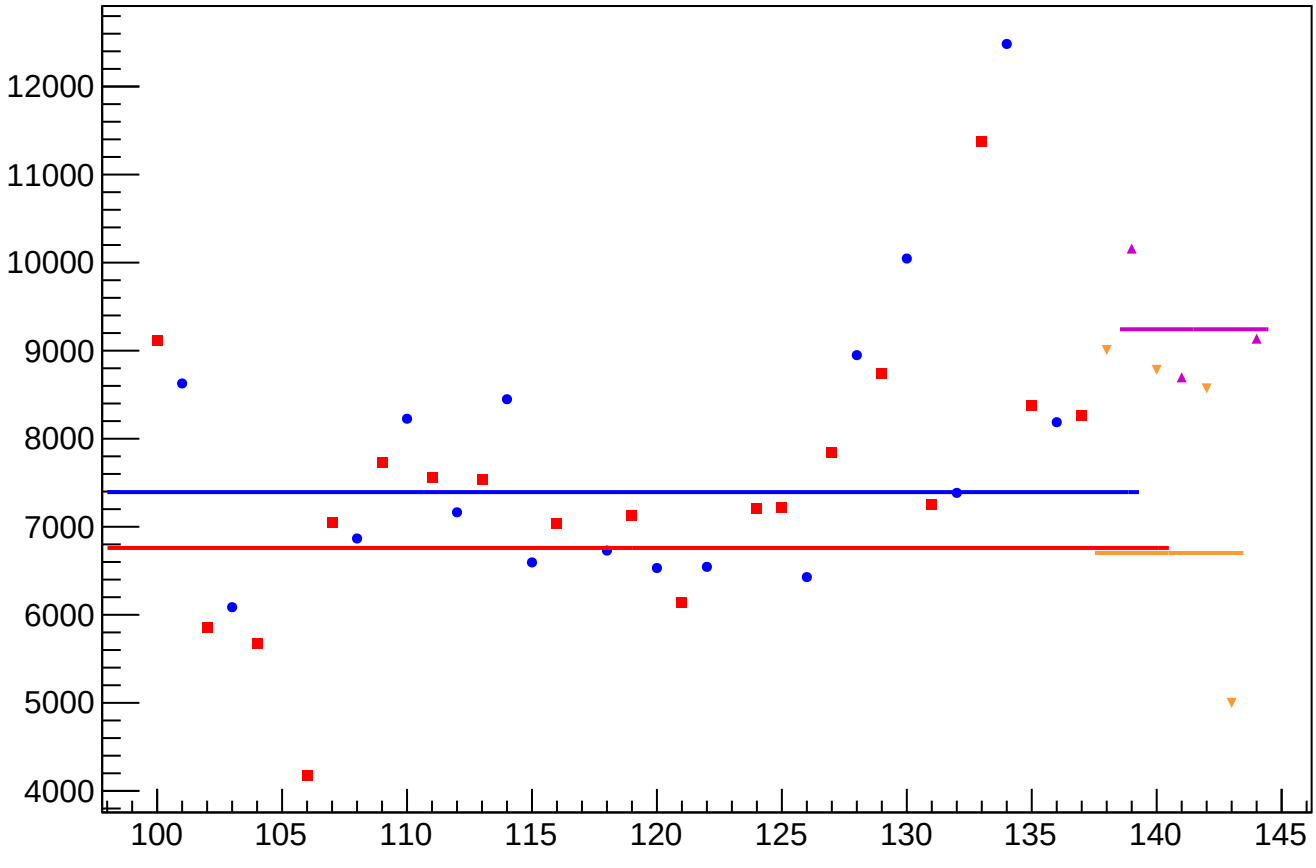
Left: 2725.210+/-3348.830 χ^2/NDF: 2.6/6

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -1425.448+/-2514.777 χ^2/NDF:15.4/18

Out: 1064.653+/-2156.471 χ^2/NDF:18.3/22

All: 9.488+/-1637.010 χ^2/NDF: 34.3/41



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 6702.151+/-2.917 χ^2/NDF:423868.1/3

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9242.941+/-4.054 χ^2/NDF:20843.0/2

Left: 7568.923+/-2.368 χ^2/NDF: 703478.1/6

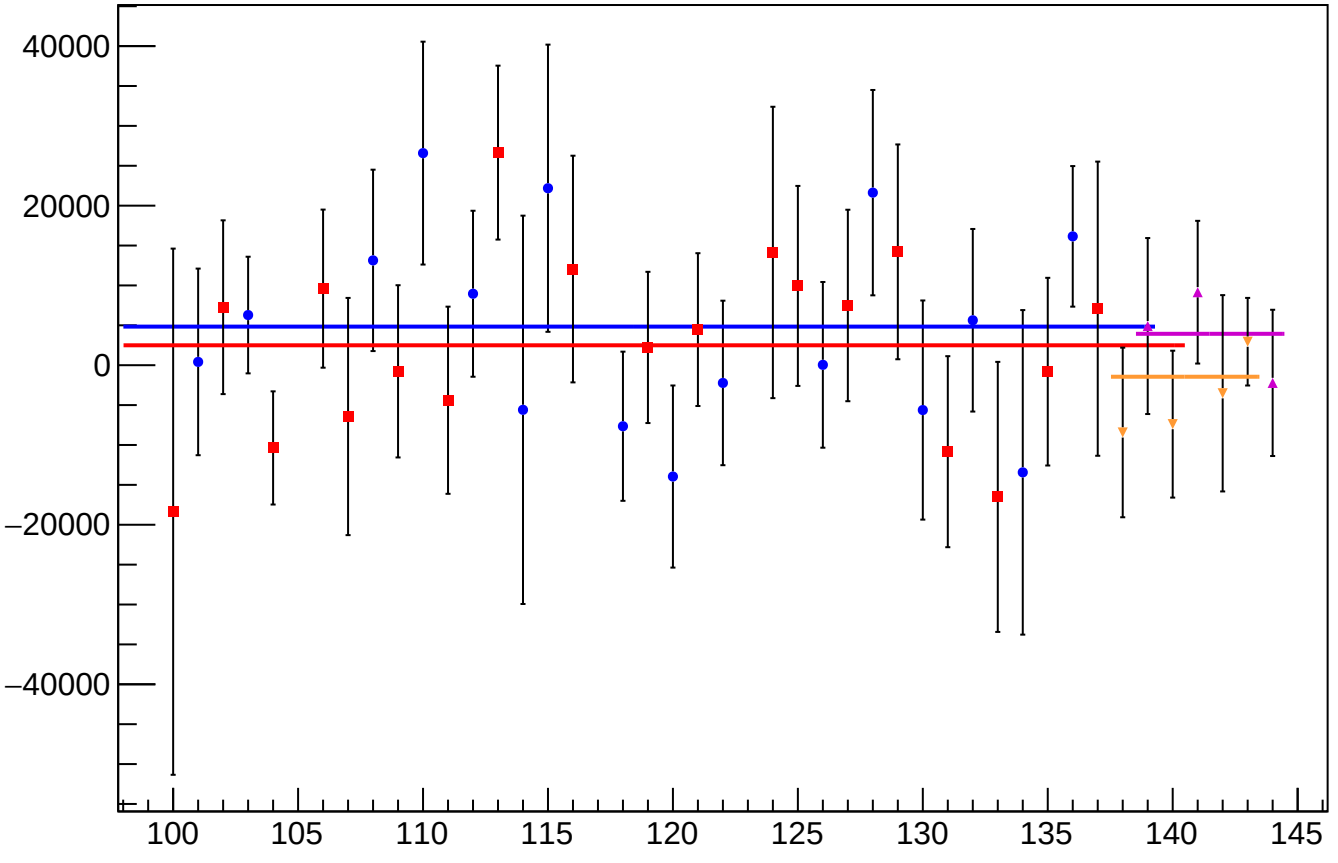
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7749.371+/-1.778 χ^2/NDF:590715.4/18

Out: 6743.769+/-1.525 χ^2/NDF:1068437.8/22

All: 7169.887+/-1.158 χ^2/NDF: 1843442.2/41

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1446.201+/-4068.261 χ^2/NDF:1.5/3

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 3934.890+/-5537.067 χ^2/NDF:0.8/2

Left: 440.292+/-3278.478 χ^2/NDF: 2.9/6

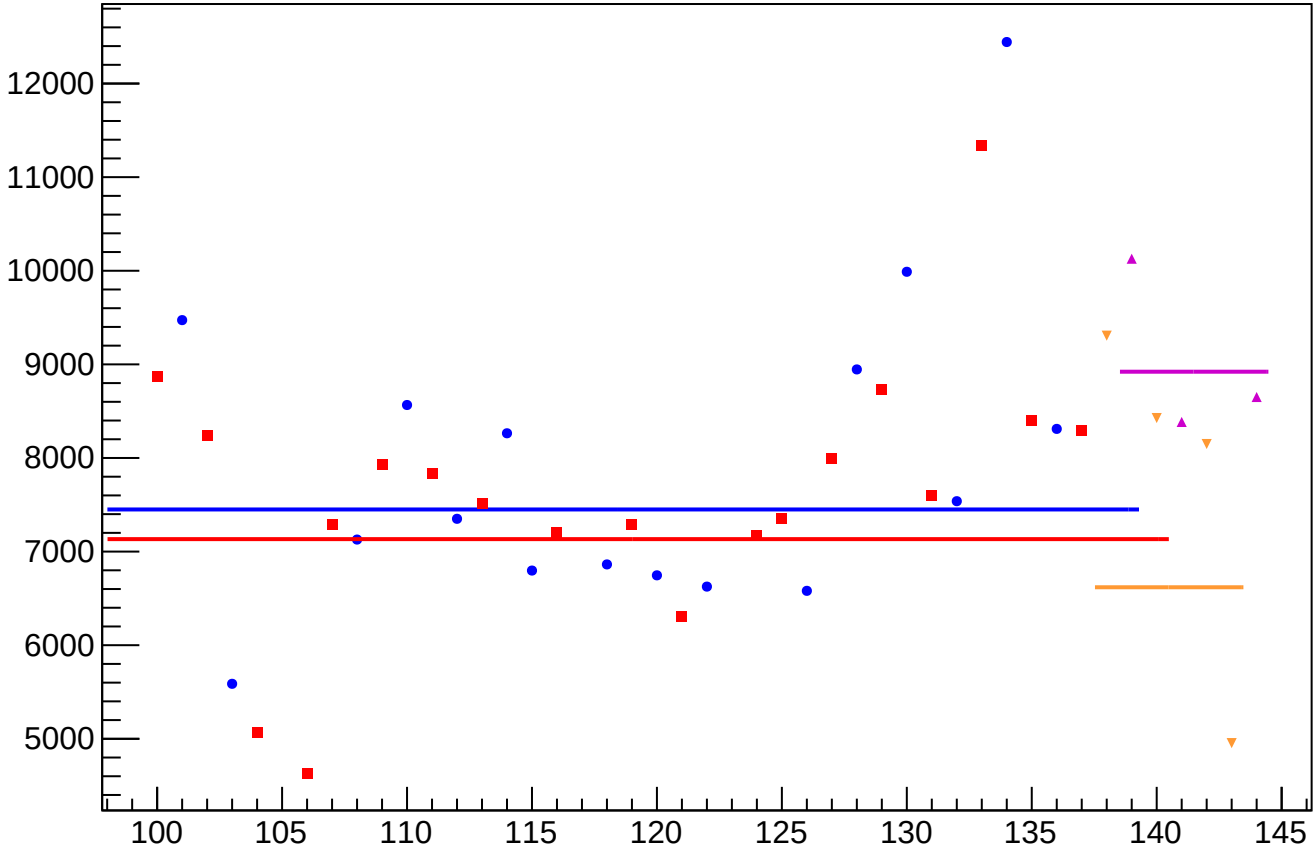
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 4650.919+/-2519.176 χ^2/NDF:15.1/18

Out: 1293.221+/-2247.051 χ^2/NDF:17.1/22

All: 2780.986+/-1676.892 χ^2/NDF: 33.2/41

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6618.830+/-2.877 χ^2/NDF:419774.3/3

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8921.590+/-3.915 χ^2/NDF:32888.1/2

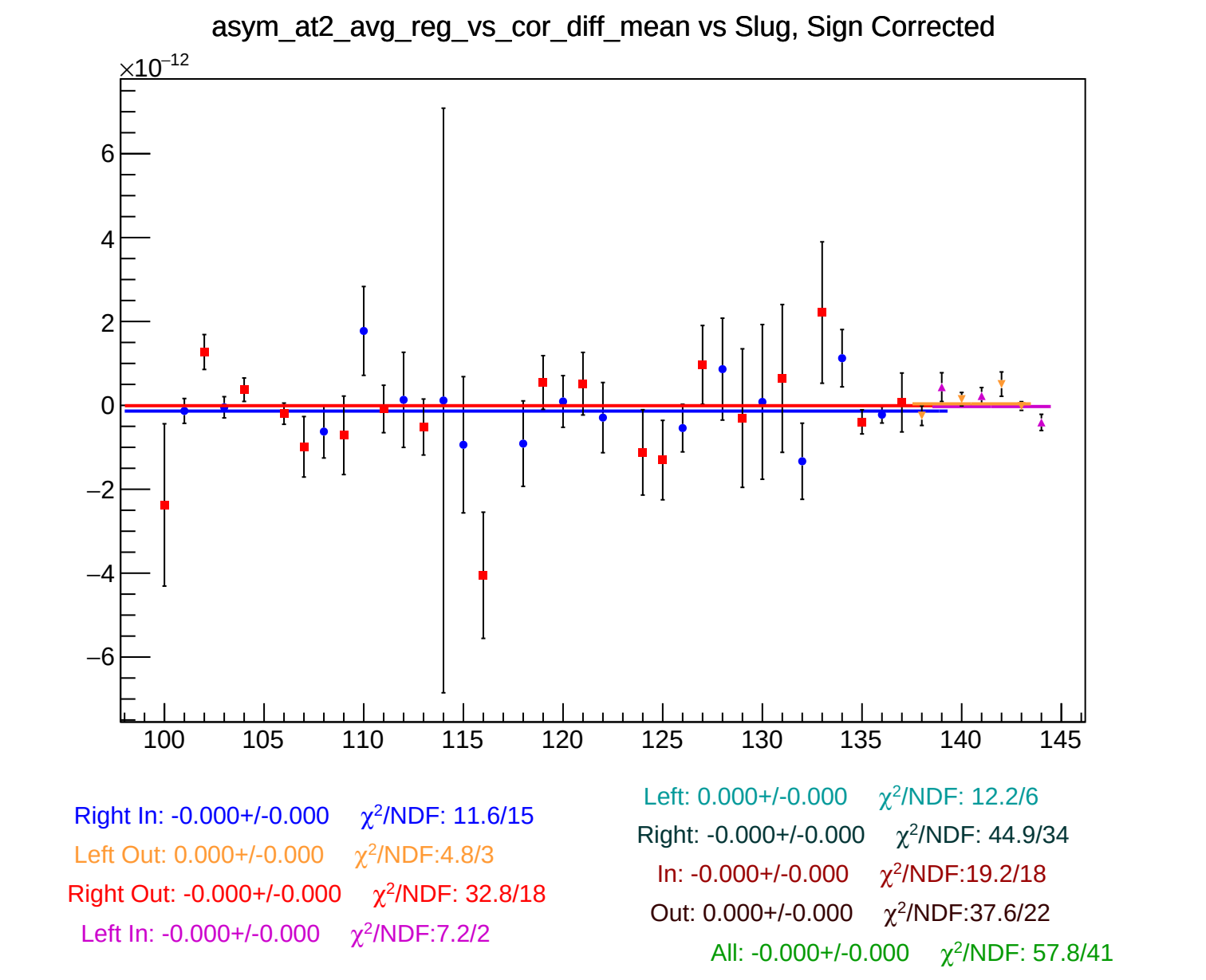
Left: 7426.127+/-2.318 χ^2/NDF: 677306.4/6

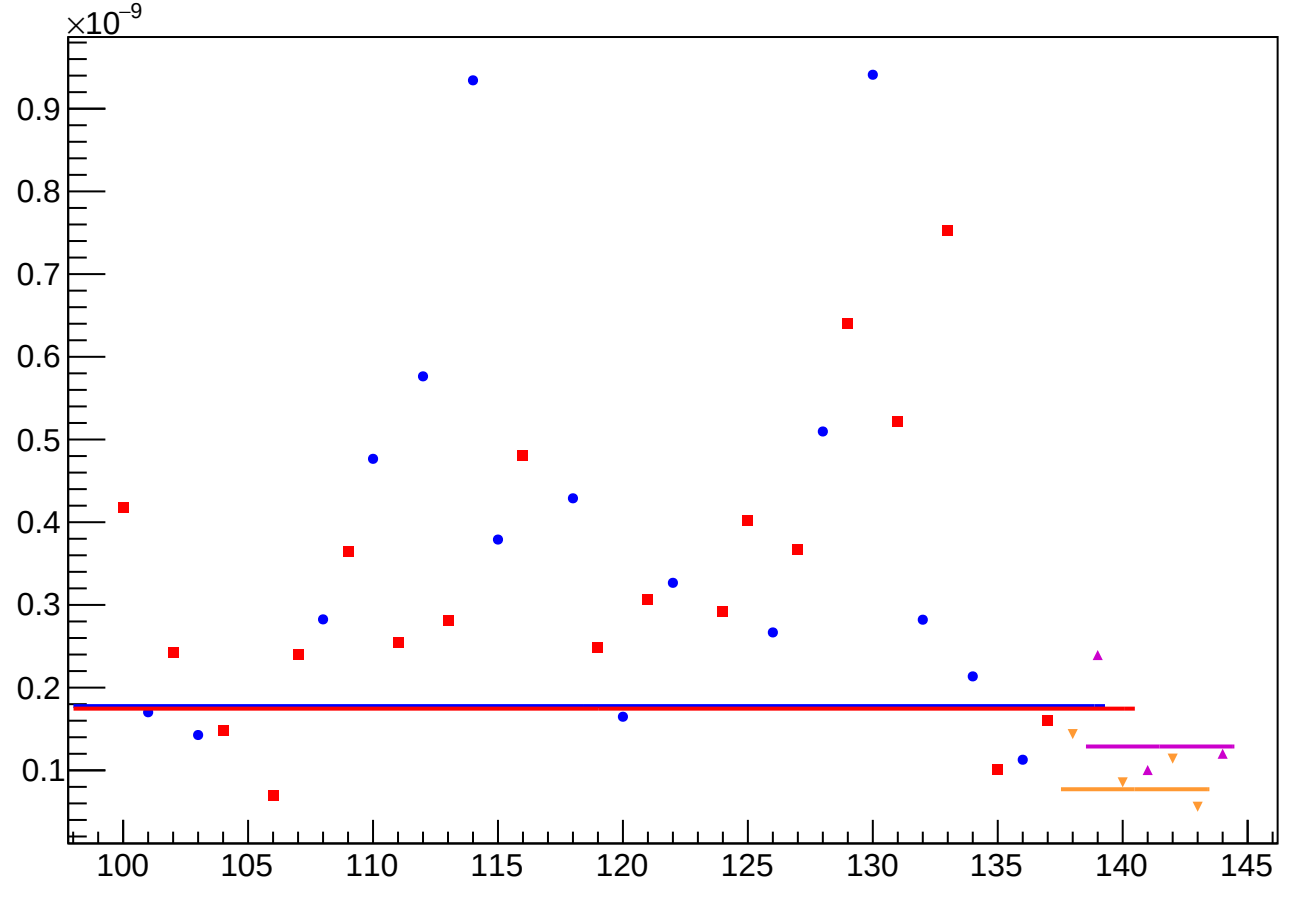
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7754.594+/-1.781 χ^2/NDF:631344.9/18

Out: 6976.234+/-1.589 χ^2/NDF:998978.7/22

All: 7321.102+/-1.186 χ^2/NDF: 1736659.7/41


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4.8/3
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:7.2/2
Left: 0.000+/-0.000 χ²/NDF: 12.2/6
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:19.2/18
Out: 0.000+/-0.000 χ²/NDF:37.6/22
All: -0.000+/-0.000 χ²/NDF: 57.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:283691.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:251857.7/2

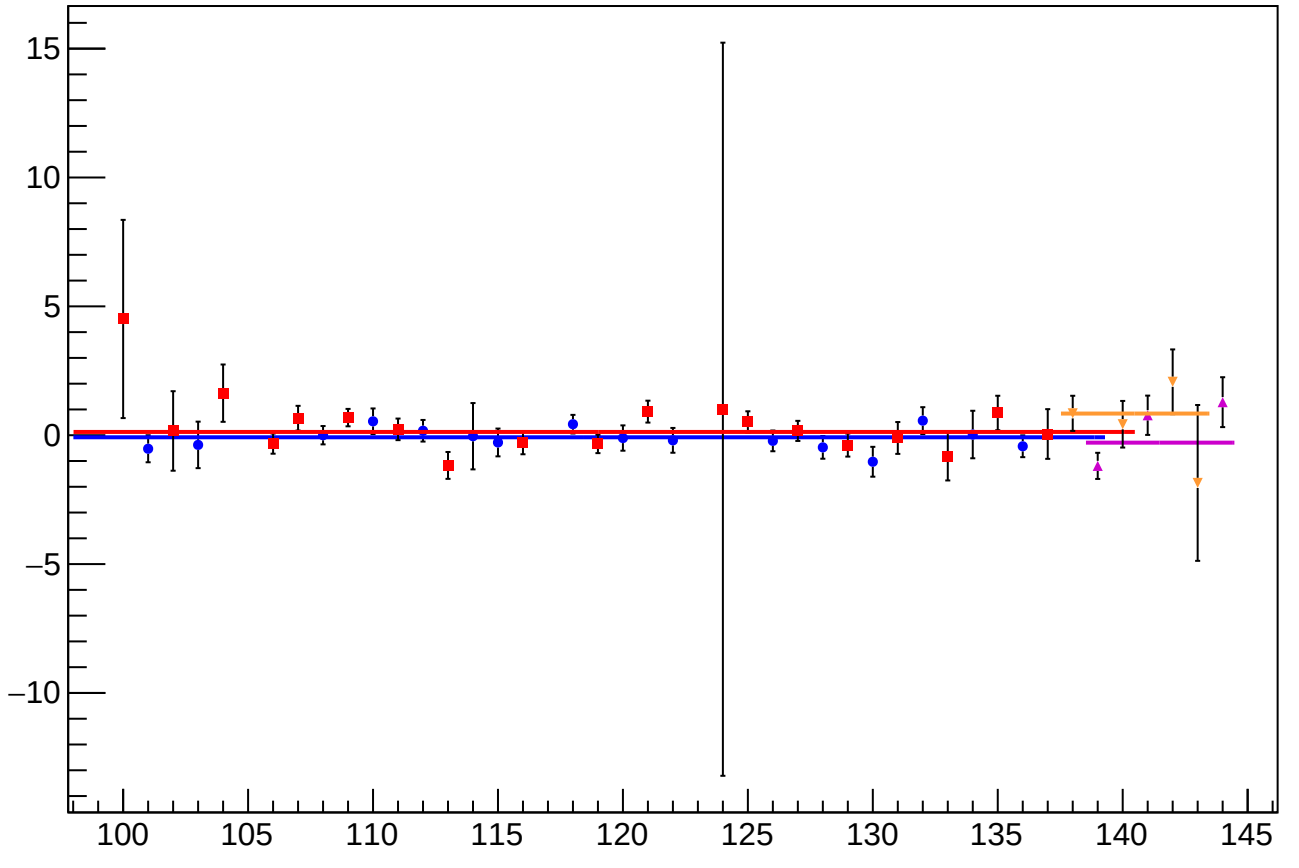
Left: 0.000+/-0.000 χ^2/NDF: 770166.7/6

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1935771.4/18

Out: 0.000+/-0.000 χ^2/NDF:2818379.2/22

All: 0.000+/-0.000 χ^2/NDF: 5165077.4/41



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.288+/-0.387 χ^2/NDF:7.7/2

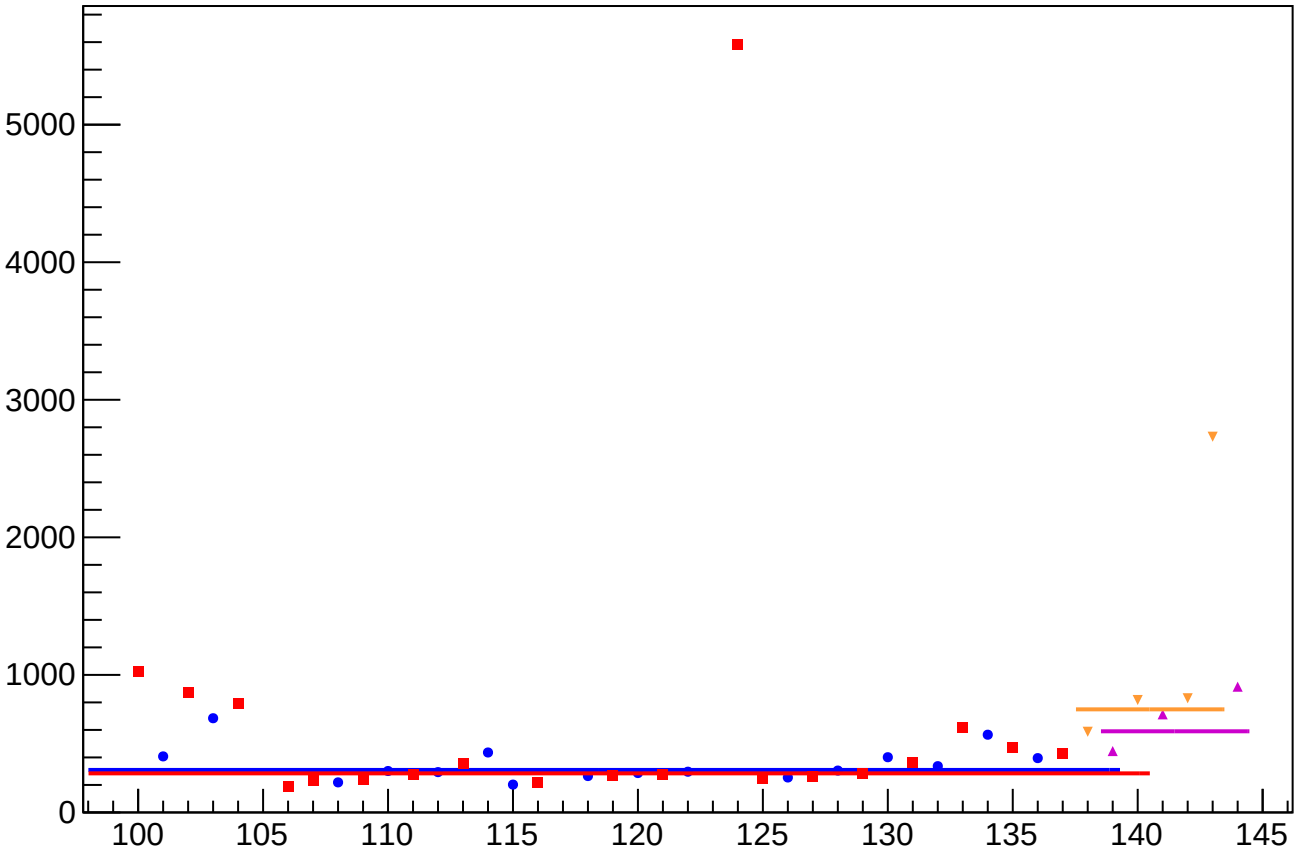
Left: 0.143+/-0.304 χ^2/NDF: 12.9/6

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.099+/-0.116 χ^2/NDF:18.8/18

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.036+/-0.081 χ^2/NDF: 50.6/41



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 590.020+/-0.274 χ^2/NDF:437228.4/2

Left: 650.882+/-0.215 χ^2/NDF: 1560160.3/6

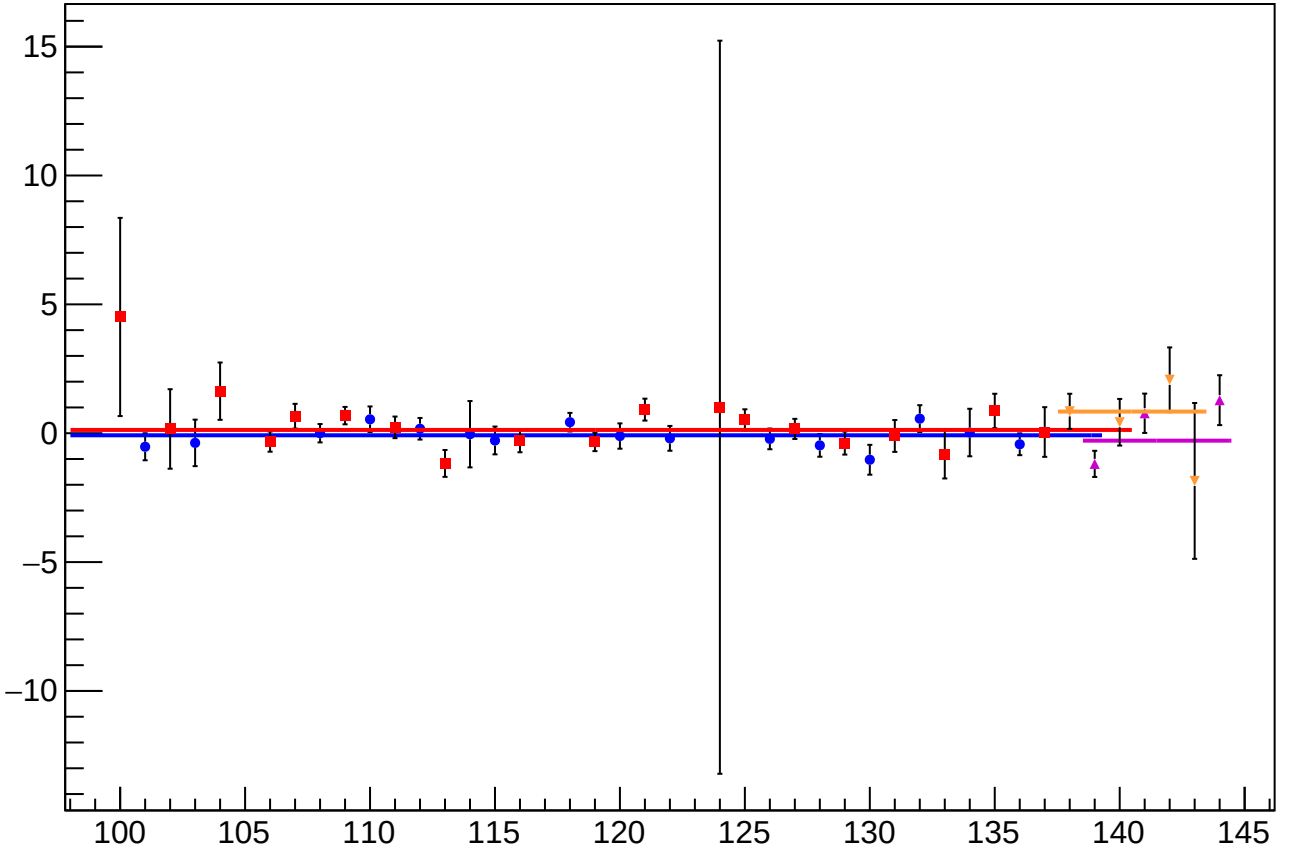
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 334.432+/-0.082 χ^2/NDF:2410457.7/18

Out: 308.992+/-0.080 χ^2/NDF:4538623.5/22

All: 321.437+/-0.057 χ^2/NDF: 6998015.7/41

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.288+/-0.387 χ^2/NDF:7.7/2

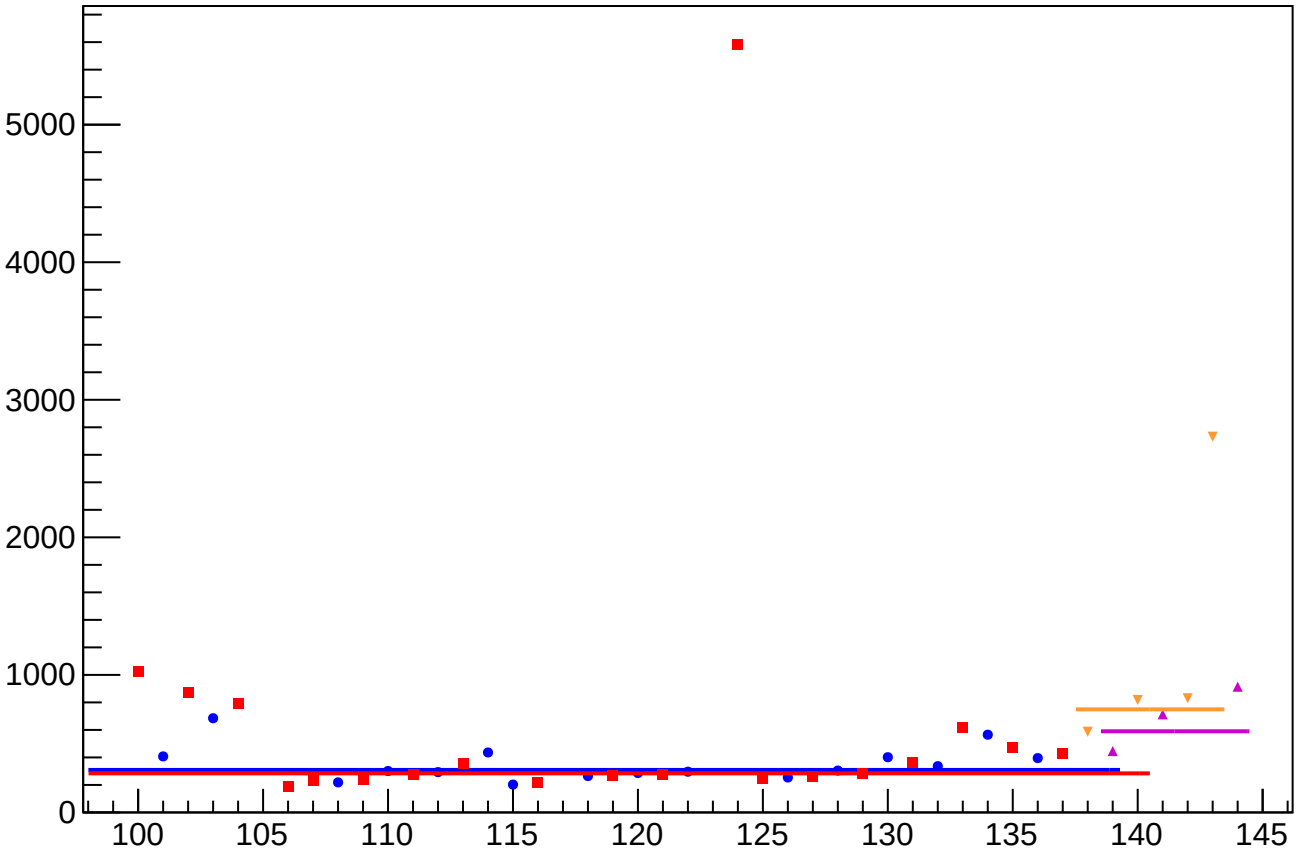
Left: 0.143+/-0.304 χ^2/NDF: 12.9/6

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.099+/-0.116 χ^2/NDF:18.8/18

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.036+/-0.081 χ^2/NDF: 50.6/41



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 590.020+/-0.274 χ^2/NDF:437228.4/2

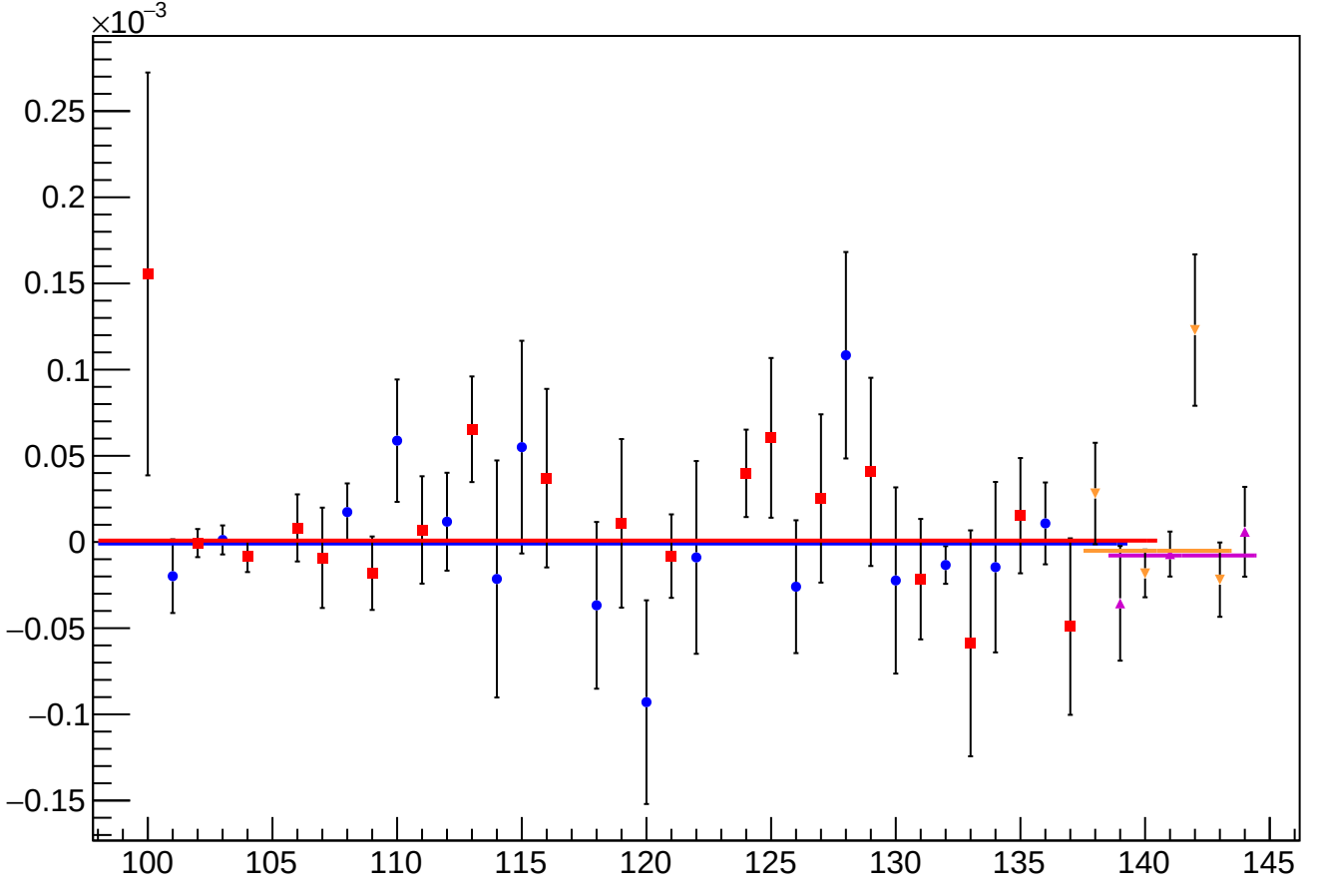
Left: 650.882+/-0.215 χ^2/NDF: 1560160.3/6

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 334.432+/-0.082 χ^2/NDF:2410457.7/18

Out: 308.992+/-0.080 χ^2/NDF:4538623.5/22

All: 321.437+/-0.057 χ^2/NDF: 6998015.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

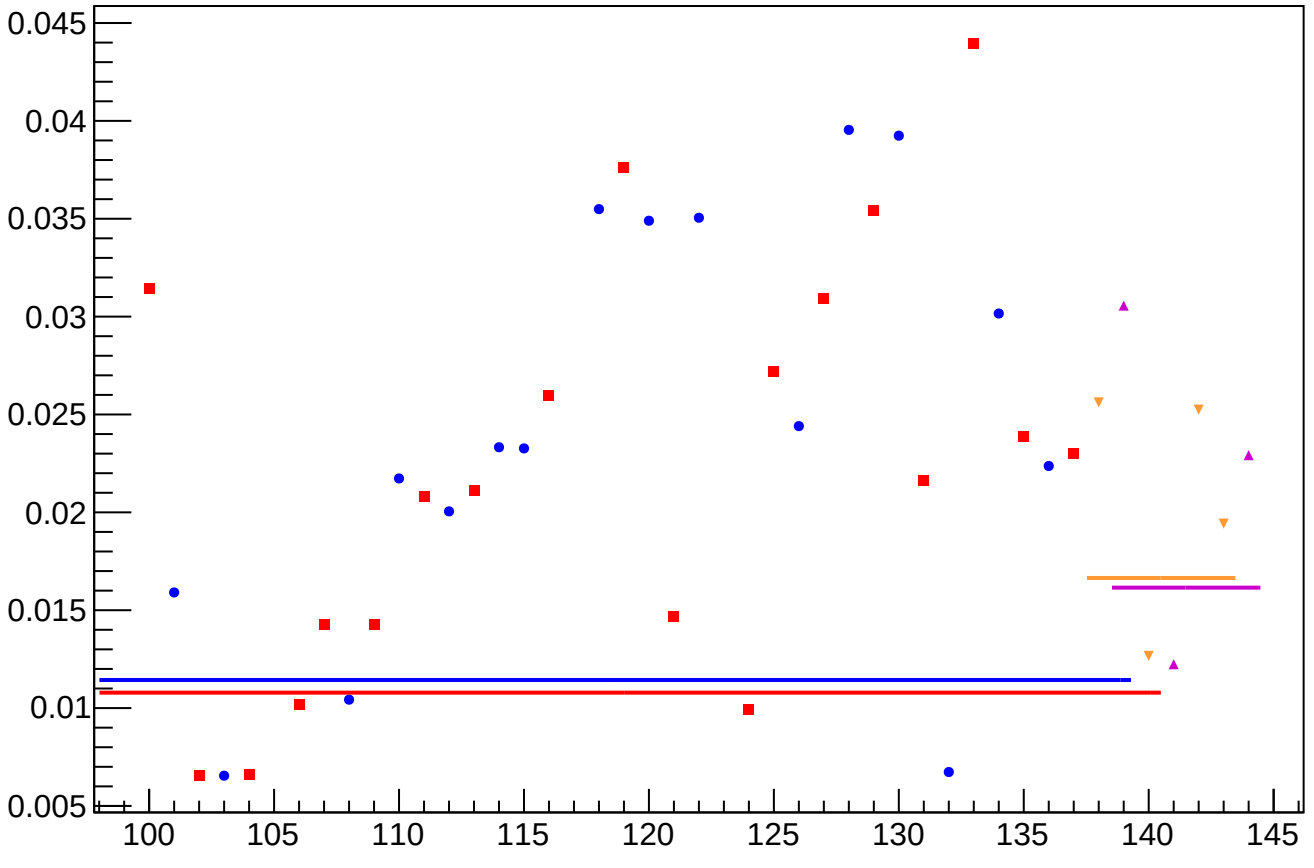
Left: -0.000+/-0.000 χ^2/NDF: 12.3/6

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:15.8/18

Out: -0.000+/-0.000 χ^2/NDF:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 43.6/41



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:461574.6/3

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.016+/-0.000 χ^2/NDF:690308.2/2

Left: 0.016+/-0.000 χ^2/NDF: 1153986.7/6

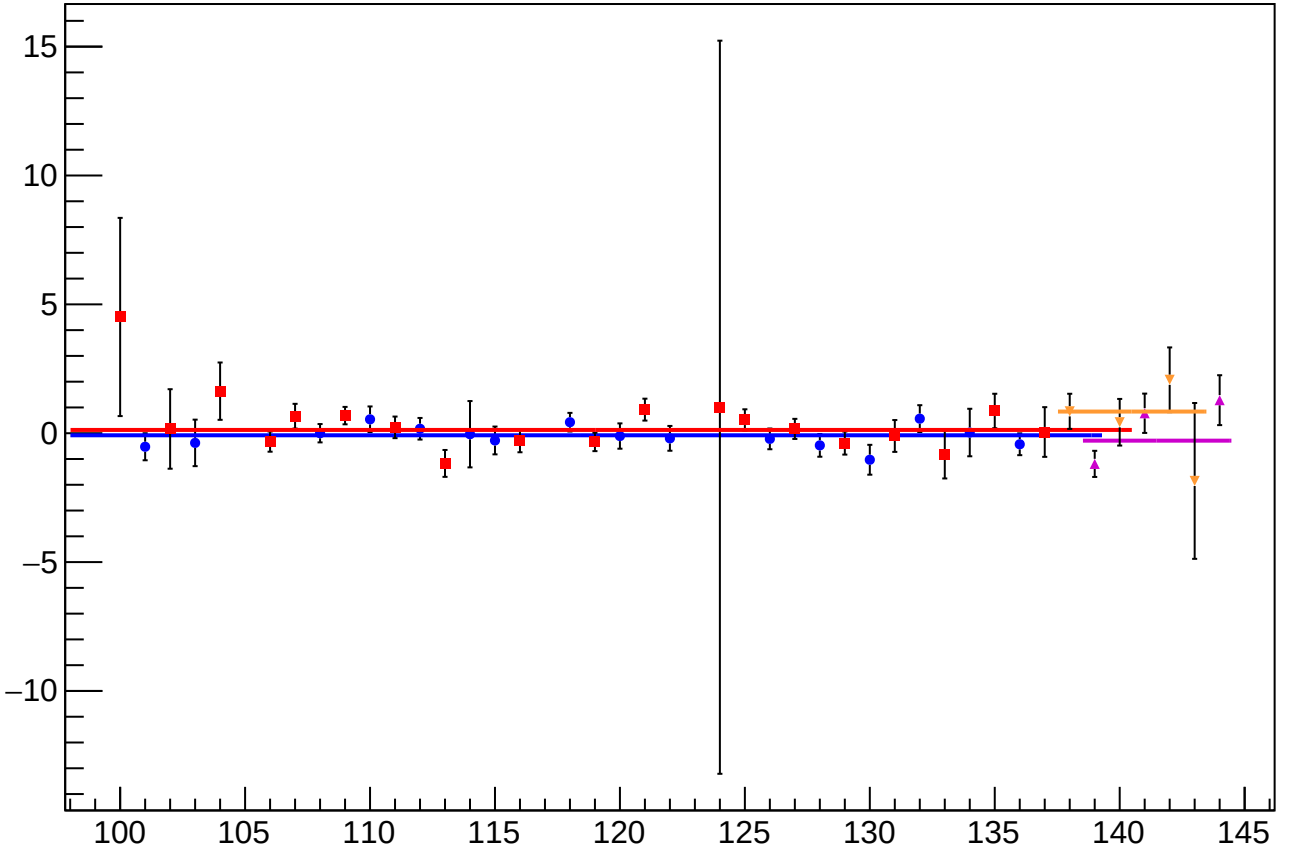
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5688294.8/18

Out: 0.012+/-0.000 χ^2/NDF:5447578.2/22

All: 0.012+/-0.000 χ^2/NDF: 11148374.4/41

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: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.288+/-0.387 χ^2/NDF:7.7/2

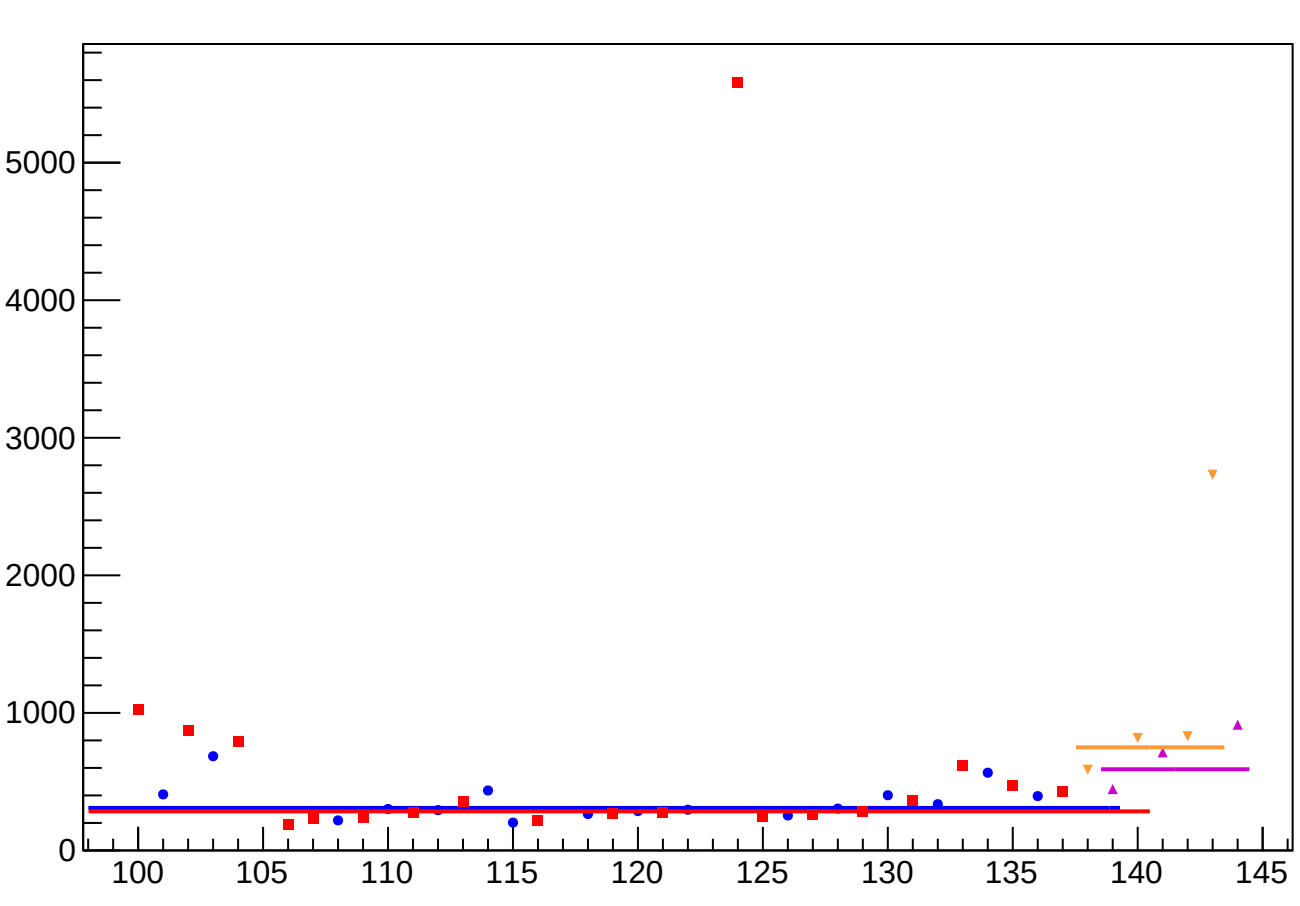
Left: 0.143+/-0.304 χ^2/NDF: 12.9/6

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.099+/-0.116 χ^2/NDF:18.8/18

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.036+/-0.081 χ^2/NDF: 50.6/41



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 749.513+/-0.348 χ^2/NDF:993331.0/3

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 590.031+/-0.274 χ^2/NDF:437211.8/2

Left: 650.892+/-0.215 χ^2/NDF: 1560128.2/6

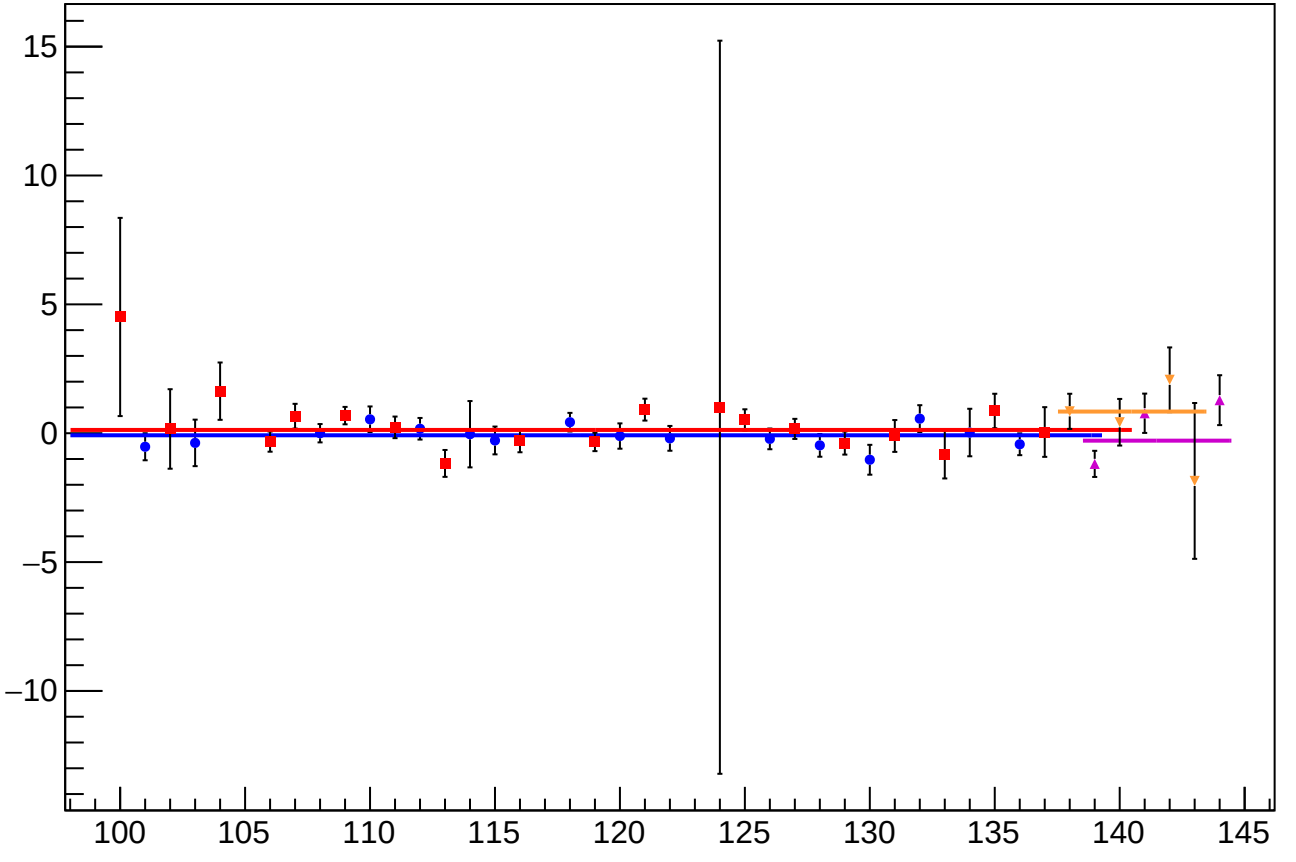
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 334.432+/-0.082 χ^2/NDF:2410459.7/18

Out: 308.992+/-0.080 χ^2/NDF:4538631.0/22

All: 321.437+/-0.057 χ^2/NDF: 6998025.8/41

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: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.288+/-0.387 χ^2/NDF:7.7/2

Left: 0.143+/-0.304 χ^2/NDF: 12.9/6

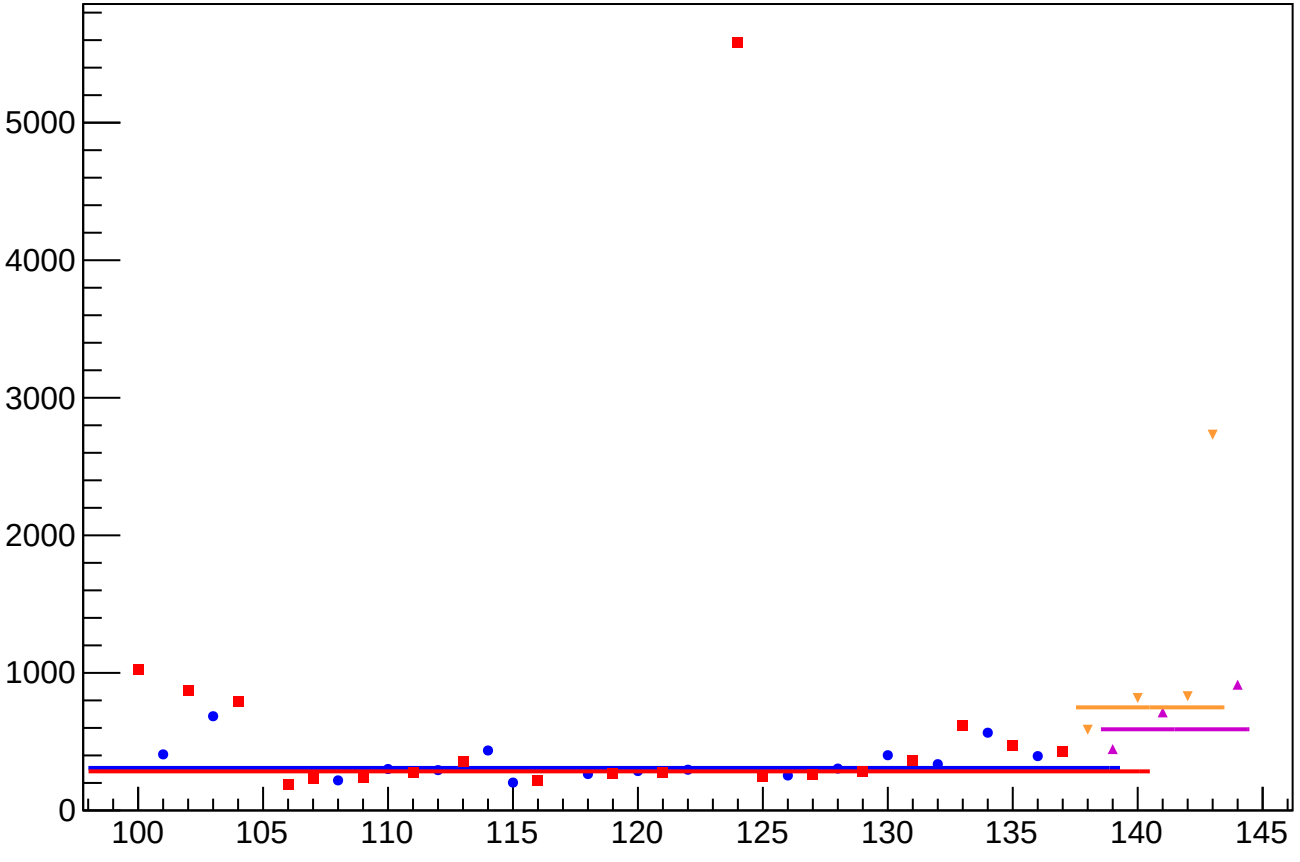
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.099+/-0.116 χ^2/NDF:18.8/18

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.036+/-0.081 χ^2/NDF: 50.6/41

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: 749.513+/-0.348 χ^2/NDF:993331.0/3

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 590.031+/-0.274 χ^2/NDF:437211.8/2

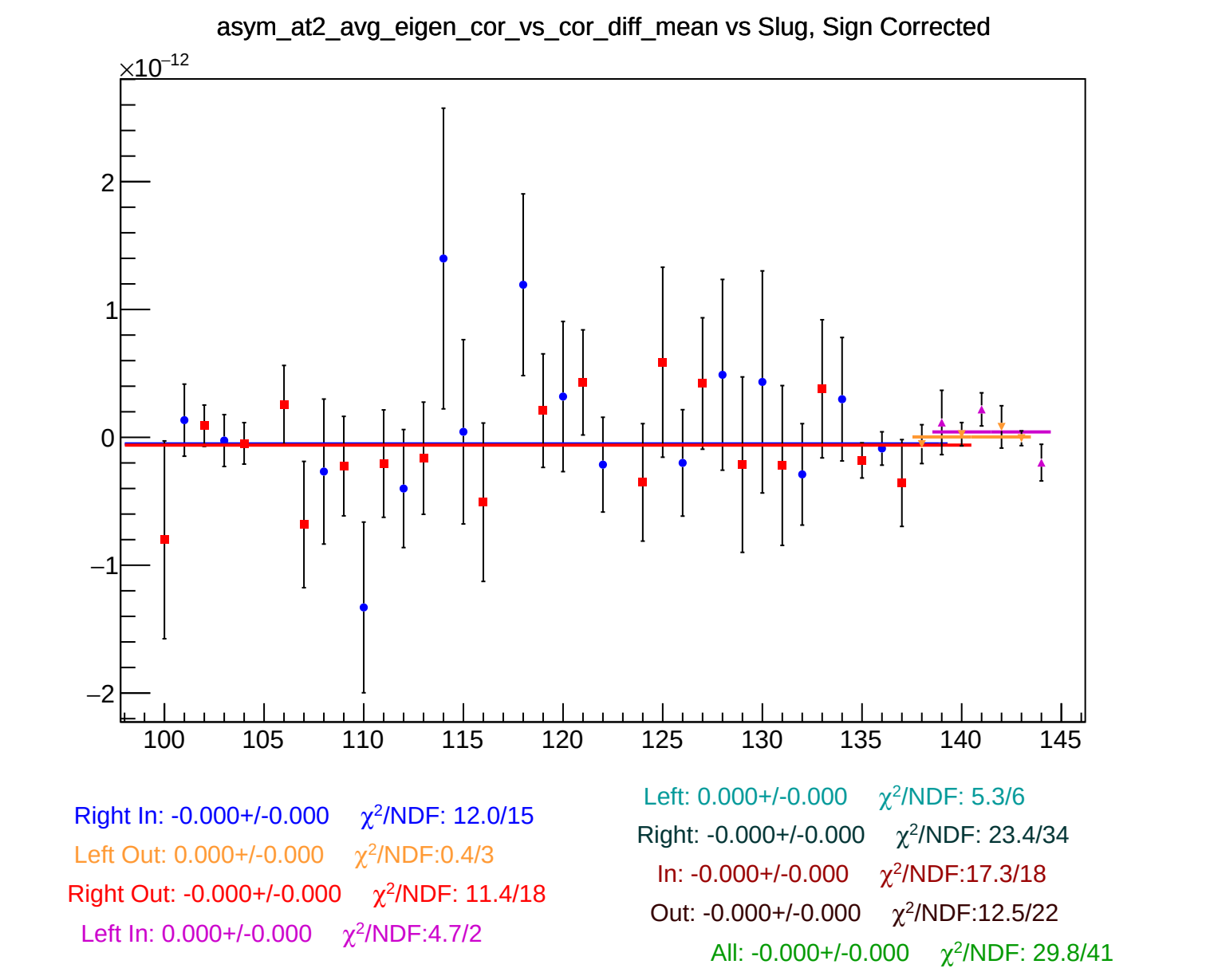
Left: 650.892+/-0.215 χ^2/NDF: 1560128.2/6

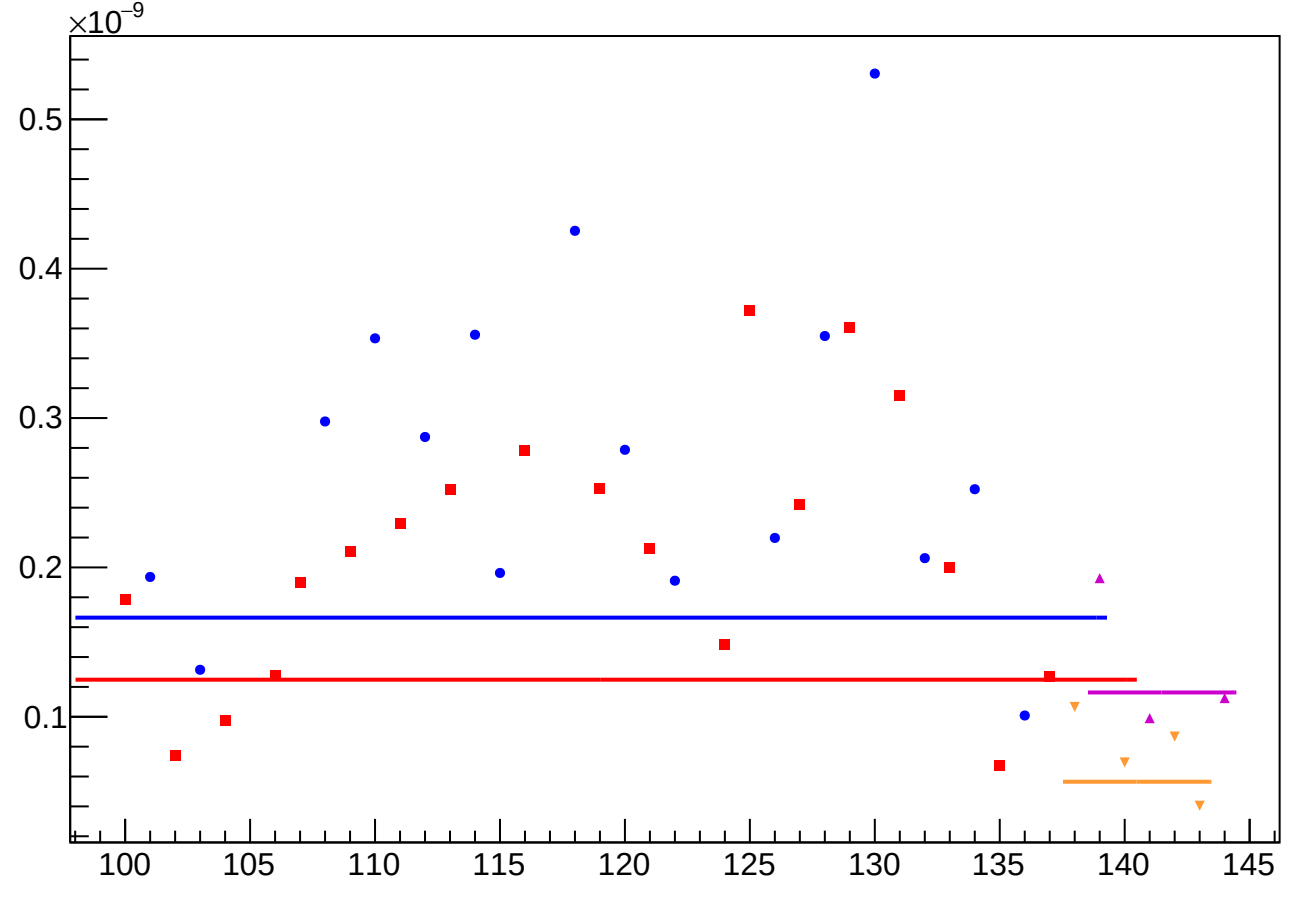
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 334.432+/-0.082 χ^2/NDF:2410459.7/18

Out: 308.992+/-0.080 χ^2/NDF:4538631.0/22

All: 321.437+/-0.057 χ^2/NDF: 6998025.8/41


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: 0.000+/-0.000 χ²/NDF:4.7/2
Left: 0.000+/-0.000 χ²/NDF: 5.3/6
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:17.3/18
Out: -0.000+/-0.000 χ²/NDF:12.5/22
All: -0.000+/-0.000 χ²/NDF: 29.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:479350.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:221841.0/2

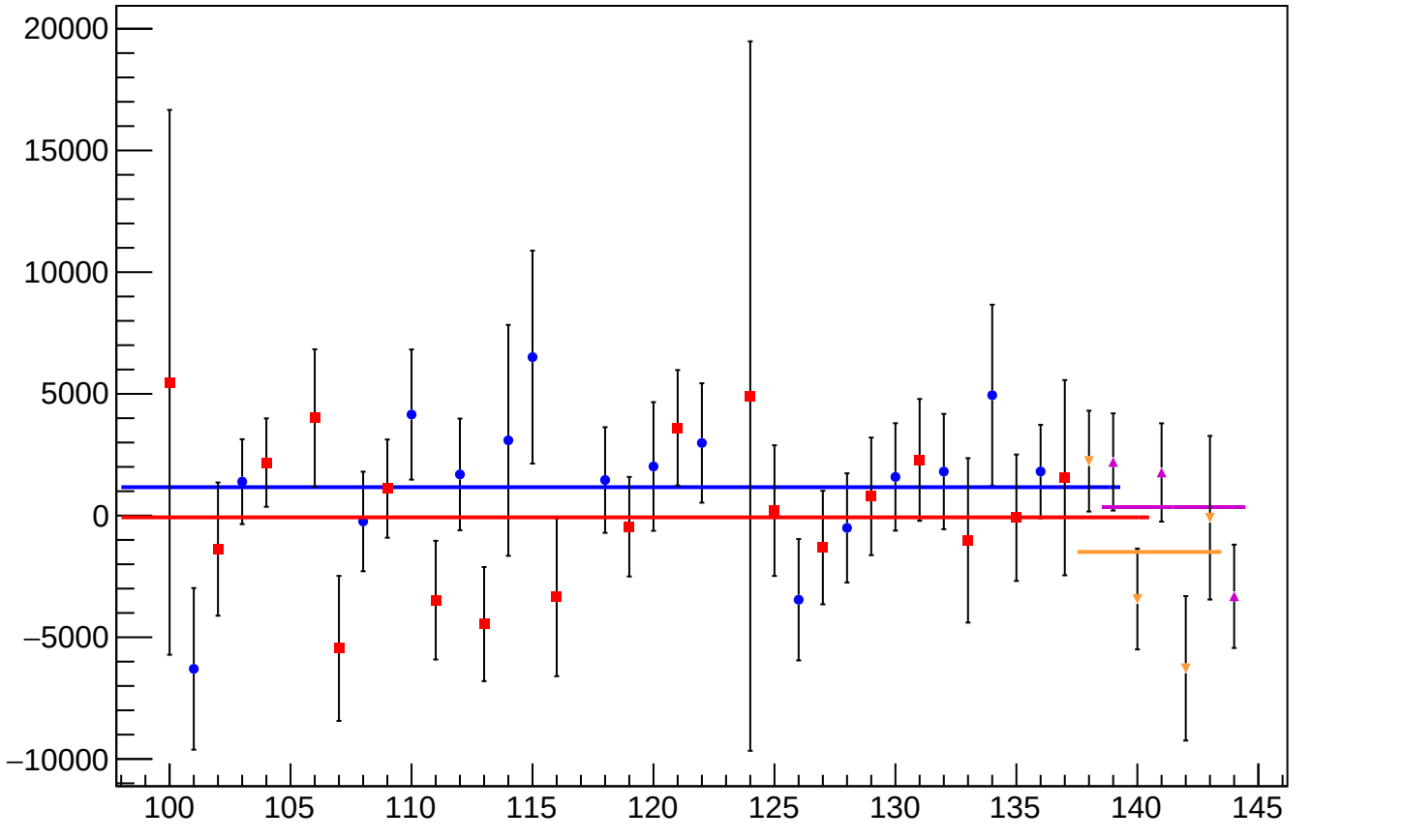
Left: 0.000+/-0.000 χ^2/NDF: 1412159.0/6

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

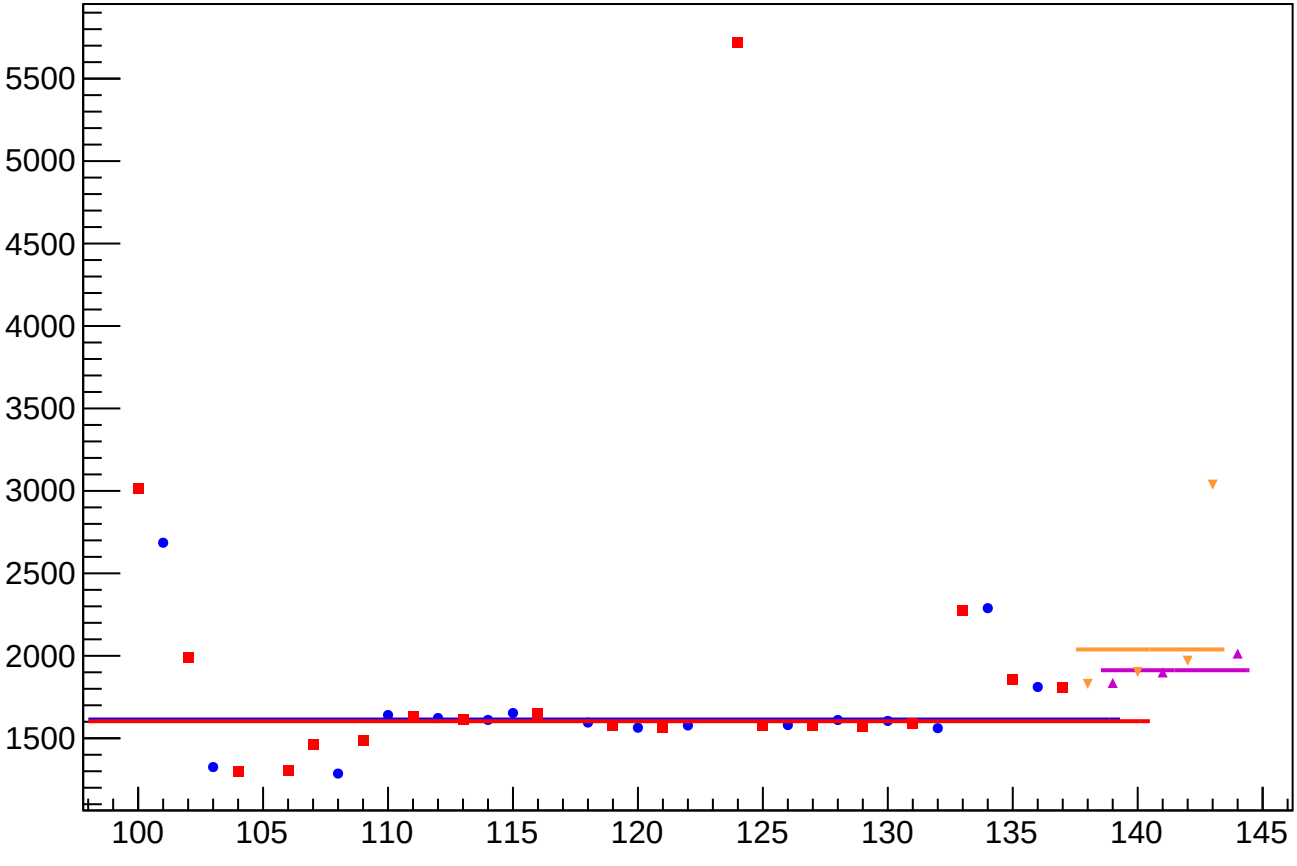
In: 0.000+/-0.000 χ^2/NDF:2536628.3/18

Out: 0.000+/-0.000 χ^2/NDF:4041927.2/22

All: 0.000+/-0.000 χ^2/NDF: 8282794.2/41


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -1493.462+/-1223.248 χ²/NDF:6.9/3
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 349.034+/-1179.928 χ²/NDF:4.3/2
Left: -539.012+/-849.237 χ²/NDF: 12.4/6
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 994.750+/-541.289 χ²/NDF:19.1/18
Out: -350.302+/-541.117 χ²/NDF:26.3/22
All: 322.010+/-382.688 χ²/NDF: 48.5/41

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

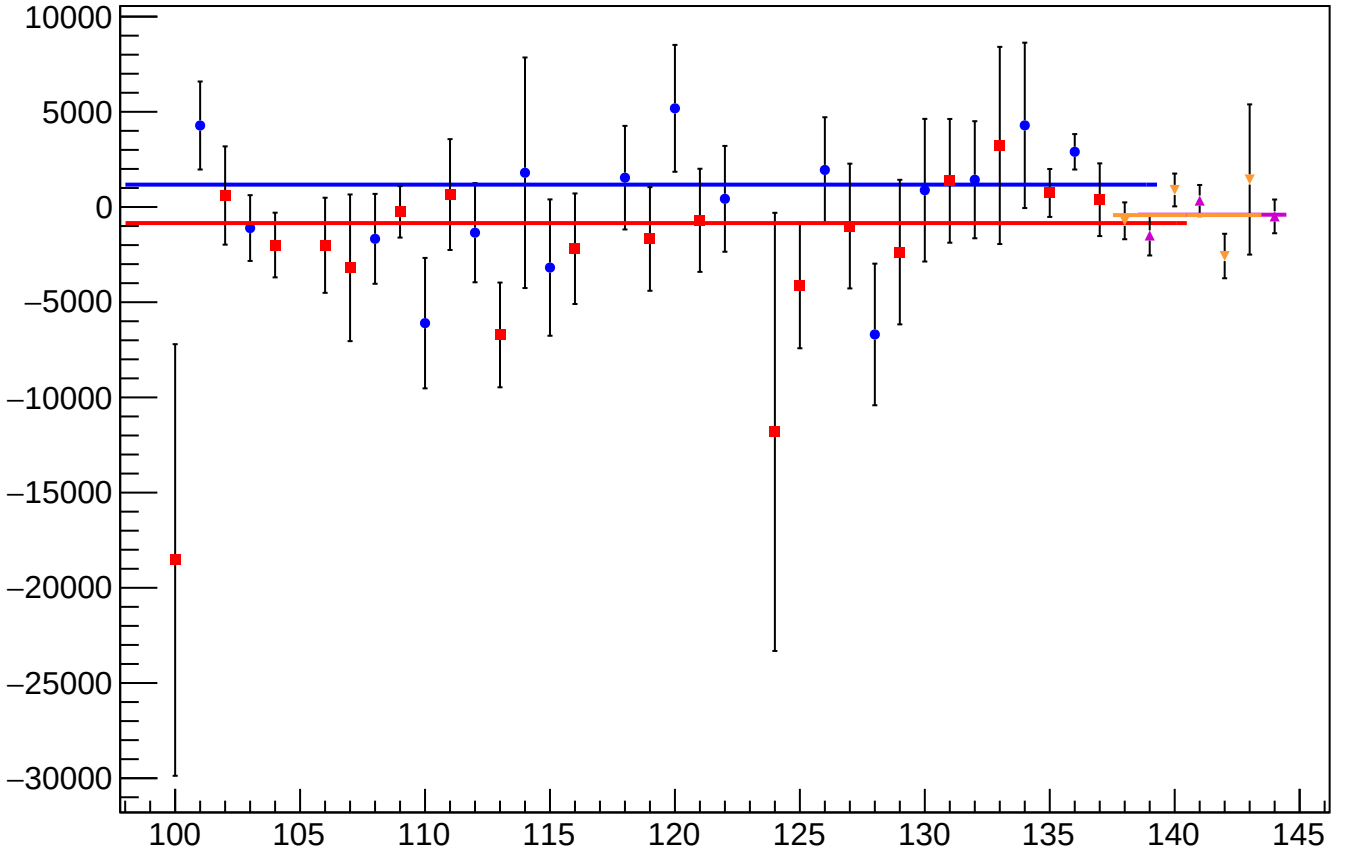
Left: 1973.315+/-0.601 χ^2/NDF: 225360.4/6

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1676.562+/-0.383 χ^2/NDF:513570.3/18

Out: 1688.628+/-0.383 χ^2/NDF:836158.4/22

All: 1682.597+/-0.271 χ^2/NDF: 1350225.8/41



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -423.391+/-557.902 χ^2/NDF:6.1/3

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -404.256+/-522.387 χ^2/NDF:1.9/2

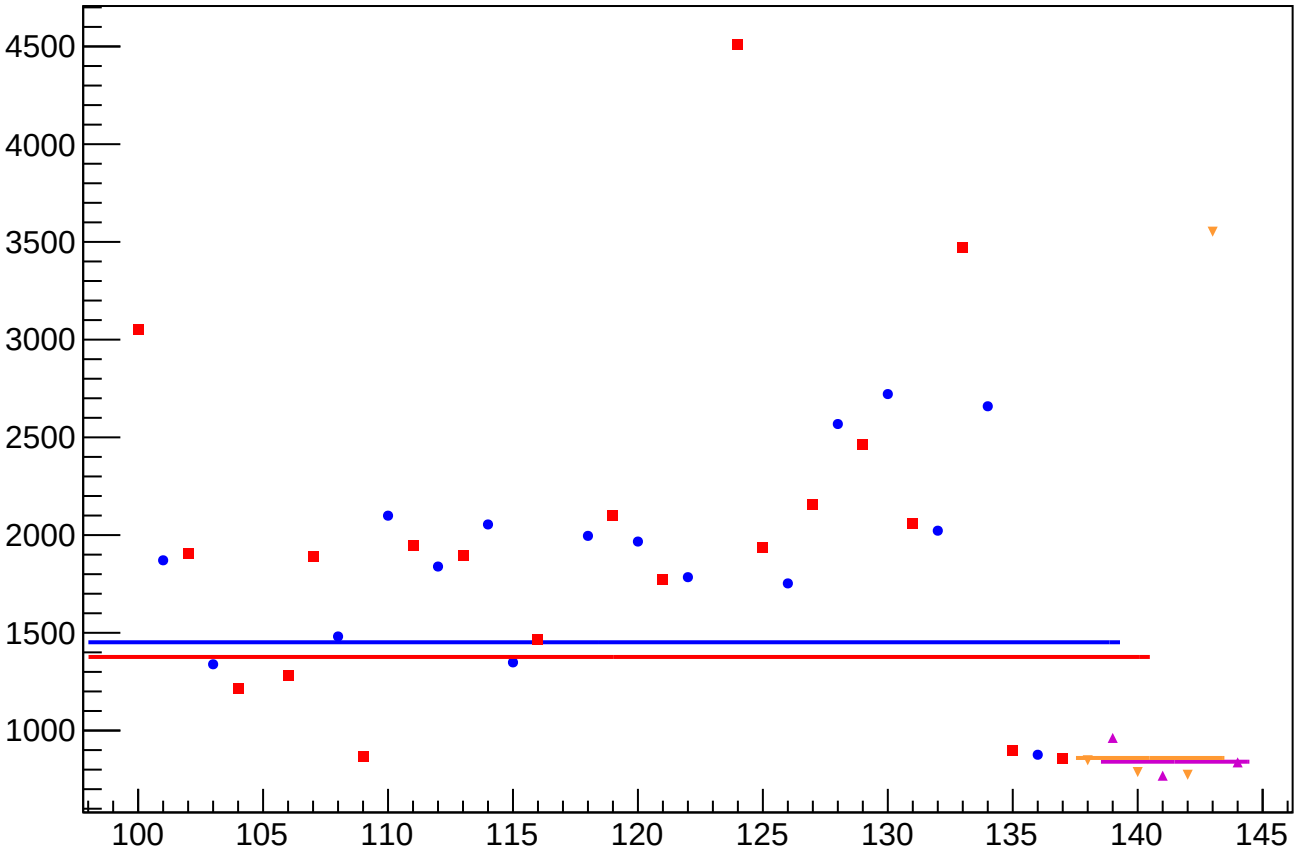
Left: -413.195+/-381.321 χ^2/NDF: 8.0/6

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 304.541+/-387.877 χ^2/NDF:28.0/18

Out: -633.798+/-394.332 χ^2/NDF:20.6/22

All: -156.886+/-276.525 χ^2/NDF: 51.5/41



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 859.644+/-0.394 χ^2/NDF:956794.6/3

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 840.534+/-0.369 χ^2/NDF:42099.4/2

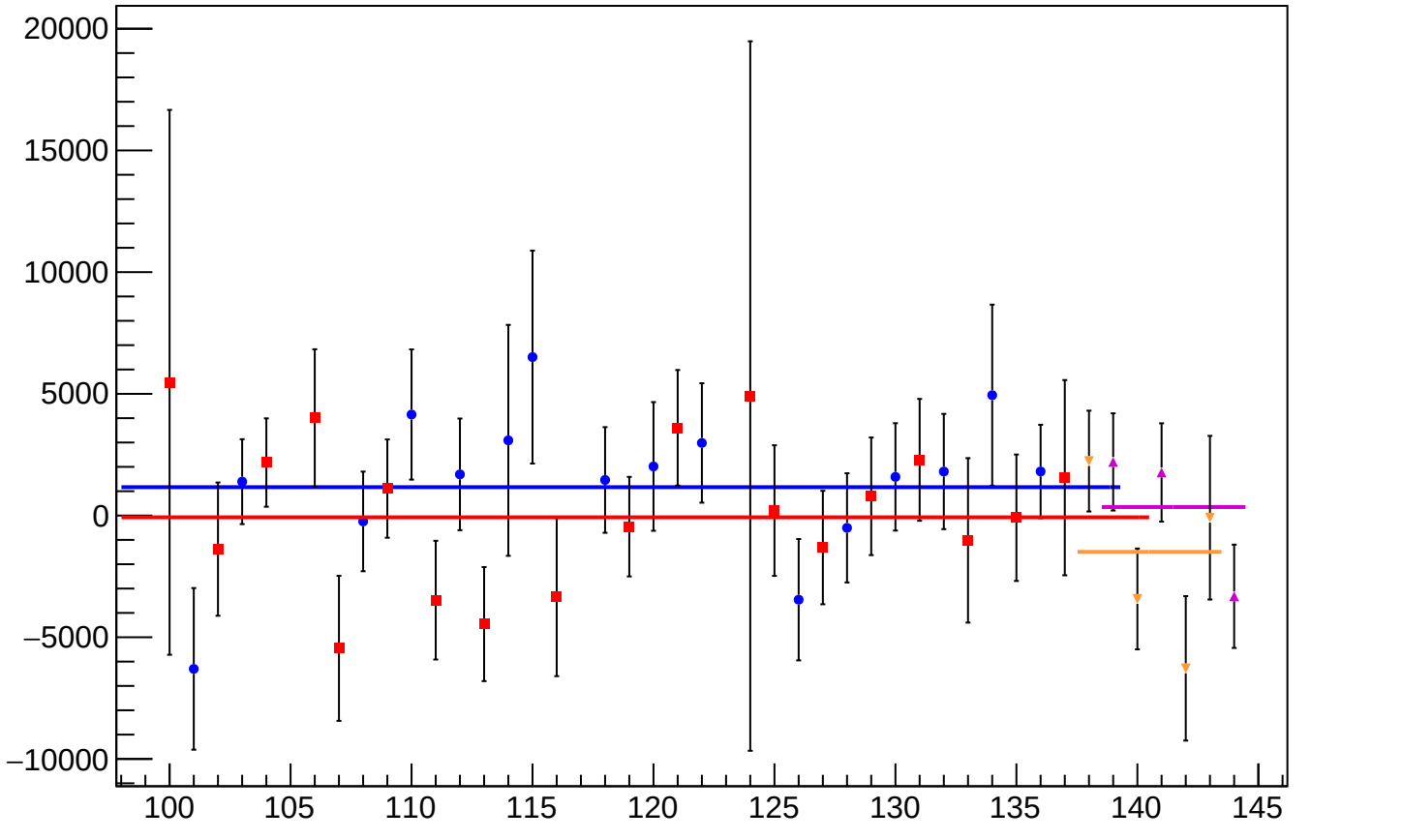
Left: 849.462+/-0.270 χ^2/NDF: 1000144.3/6

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1114.722+/-0.274 χ^2/NDF:3060950.7/18

Out: 1118.272+/-0.279 χ^2/NDF:3947727.9/22

All: 1116.468+/-0.196 χ^2/NDF: 7008760.9/41



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.777+/-1223.248 χ^2/NDF:6.9/3

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 349.122+/-1179.928 χ^2/NDF:4.3/2

Left: -539.118+/-849.237 χ^2/NDF: 12.4/6

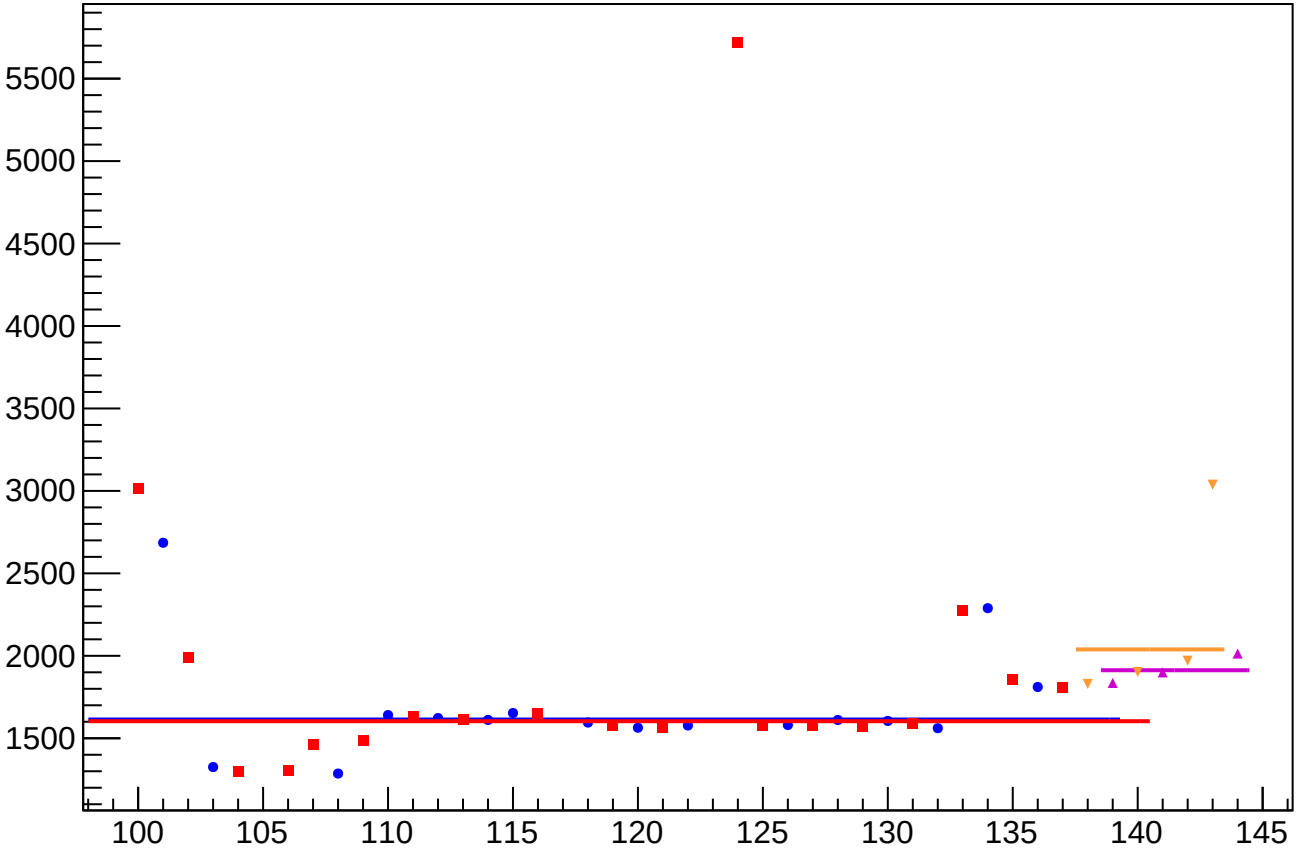
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 994.696+/-541.289 χ^2/NDF:19.1/18

Out: -350.620+/-541.117 χ^2/NDF:26.3/22

All: 321.824+/-382.688 χ^2/NDF: 48.5/41

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

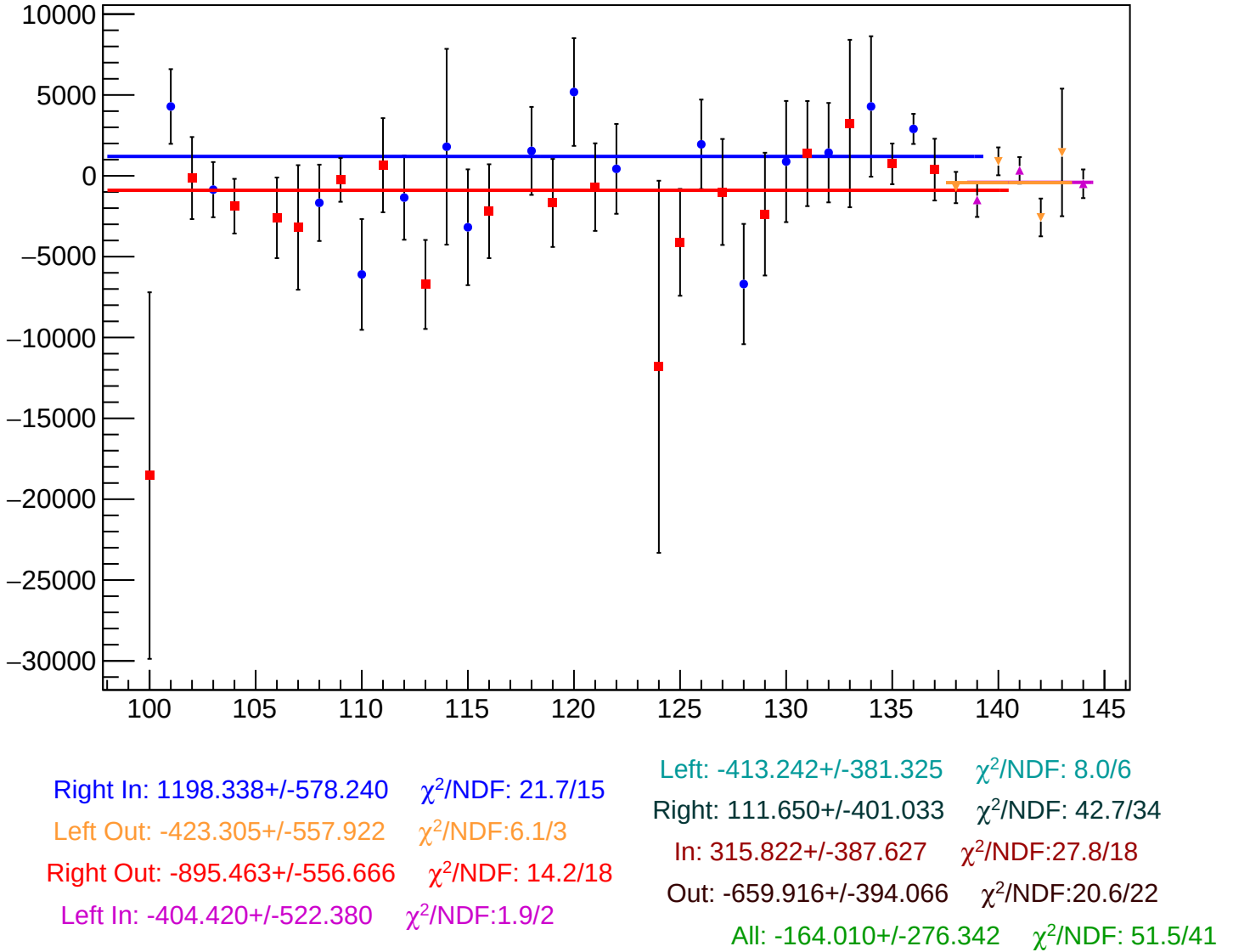
Left: 1973.315+/-0.601 χ^2/NDF: 225360.4/6

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1676.561+/-0.383 χ^2/NDF:513570.6/18

Out: 1688.628+/-0.383 χ^2/NDF:836158.6/22

All: 1682.597+/-0.271 χ^2/NDF: 1350226.3/41


asym_at2_dd_cor_correction_mean vs Slug, Sign Corrected
10000
5000
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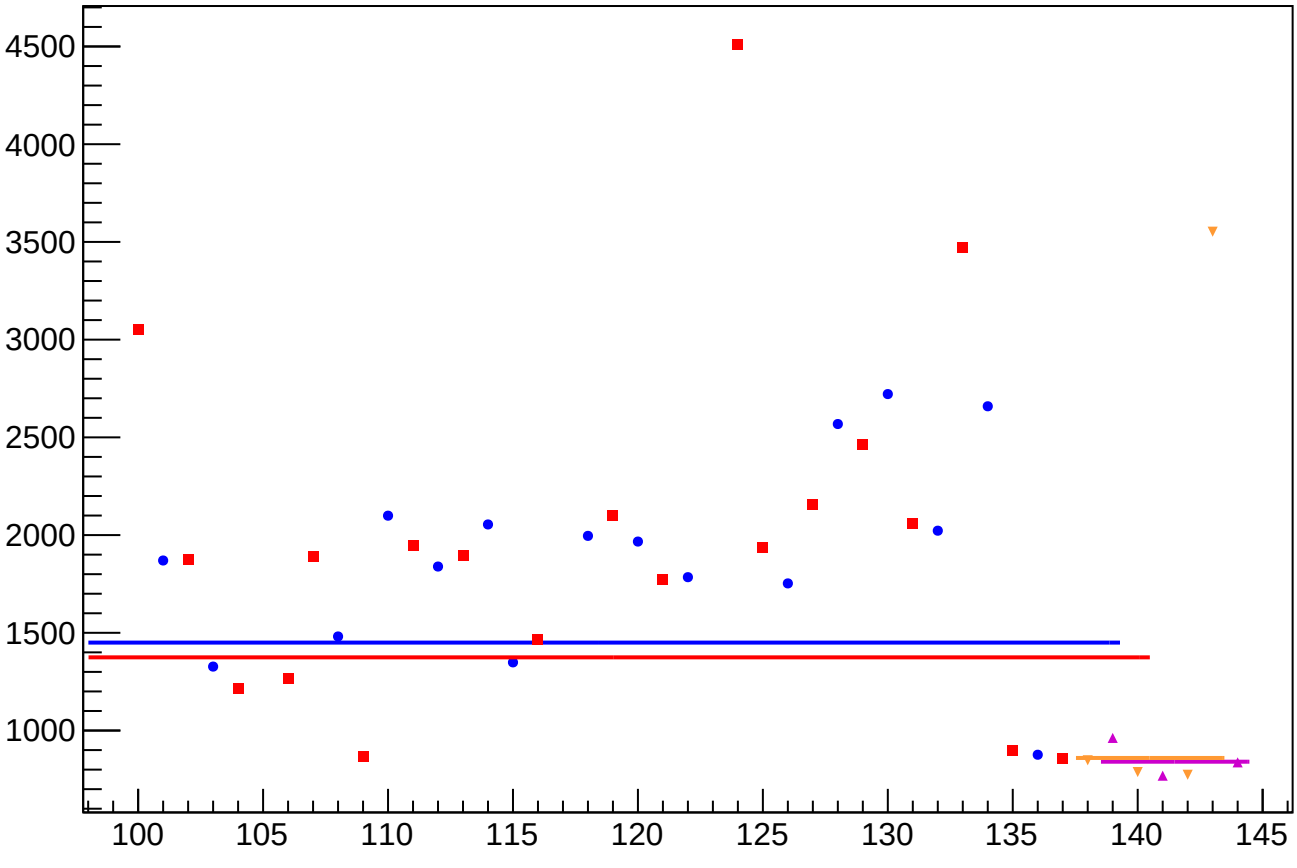
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: -423.305+/-557.922 χ²/NDF:6.1/3
Right Out: -895.463+/-556.666 χ²/NDF: 14.2/18
Left In: -404.420+/-522.380 χ²/NDF:1.9/2
Left: -413.242+/-381.325 χ²/NDF: 8.0/6
Right: 111.650+/-401.033 χ²/NDF: 42.7/34
In: 315.822+/-387.627 χ²/NDF:27.8/18
Out: -659.916+/-394.066 χ²/NDF:20.6/22
All: -164.010+/-276.342 χ²/NDF: 51.5/41



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.521+/-0.369 χ^2/NDF:42112.7/2

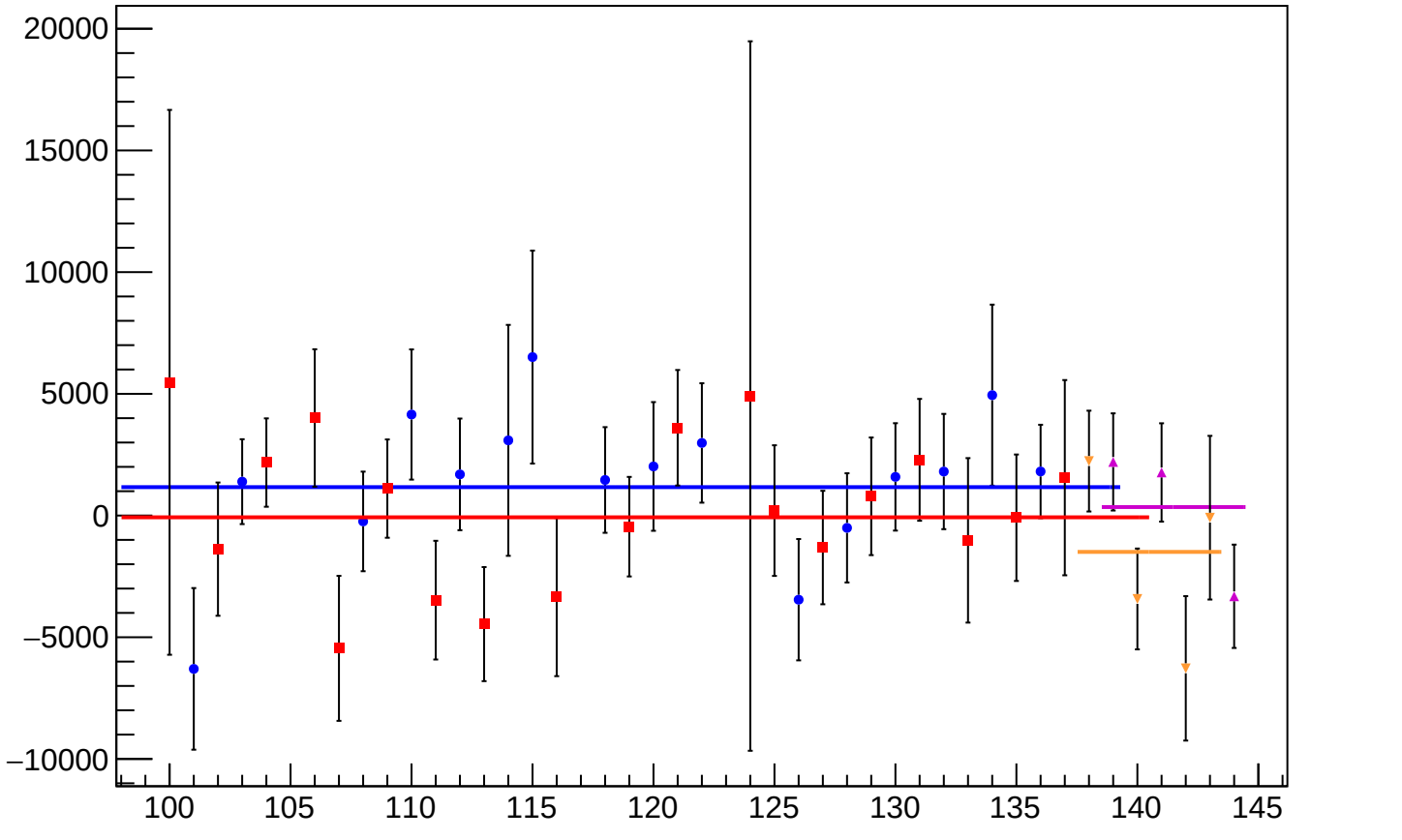
Left: 849.470+/-0.270 χ^2/NDF: 1000131.8/6

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1114.379+/-0.274 χ^2/NDF:3057988.0/18

Out: 1117.638+/-0.279 χ^2/NDF:3937633.7/22

All: 1115.982+/-0.195 χ^2/NDF: 6995691.2/41


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
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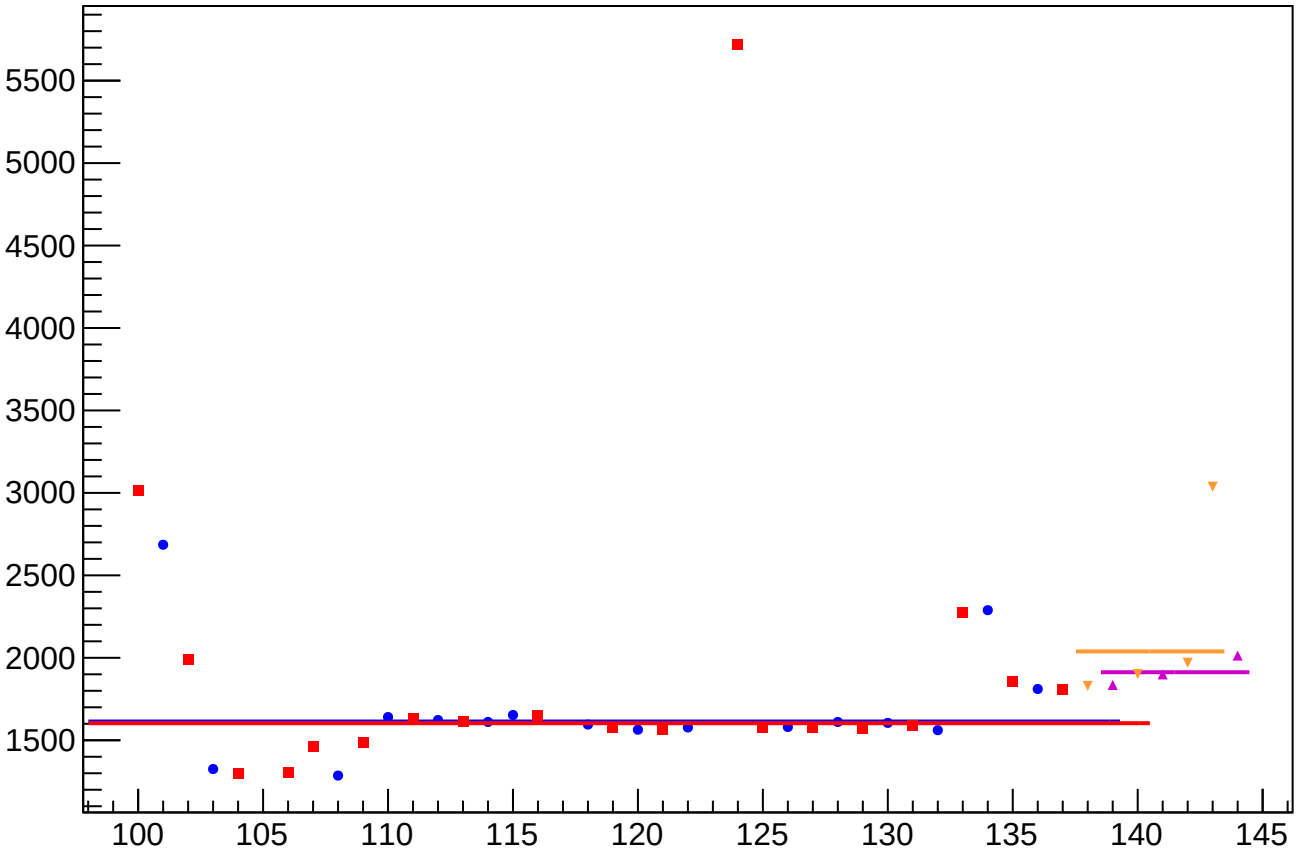
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -1493.777+/-1223.248 χ²/NDF:6.9/3
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 349.122+/-1179.928 χ²/NDF:4.3/2
Left: -539.118+/-849.237 χ²/NDF: 12.4/6
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 994.696+/-541.289 χ²/NDF:19.1/18
Out: -350.620+/-541.117 χ²/NDF:26.3/22
All: 321.824+/-382.688 χ²/NDF: 48.5/41



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1912.500+/-0.834 χ^2/NDF:7598.6/2

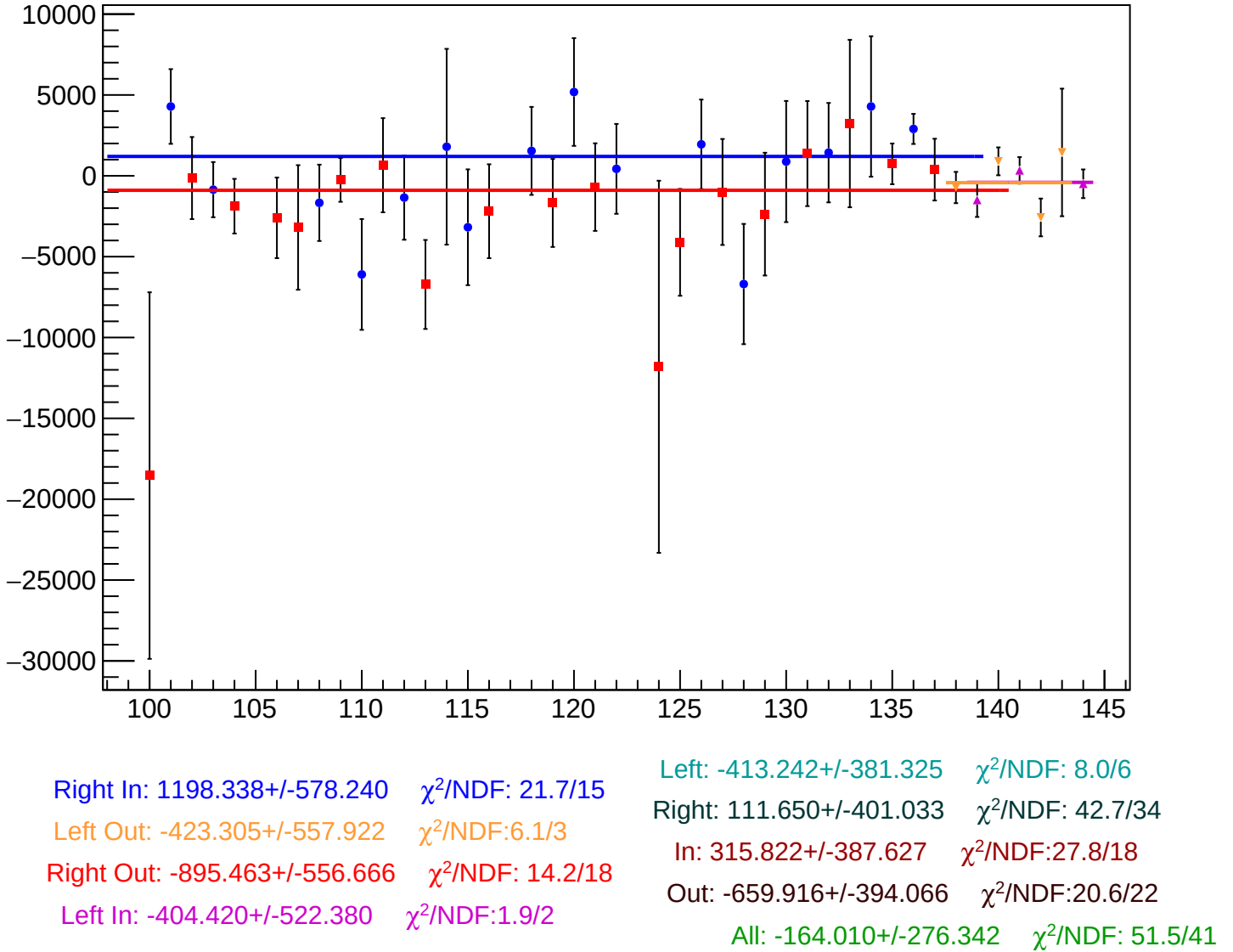
Left: 1973.315+/-0.601 χ^2/NDF: 225360.4/6

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1676.561+/-0.383 χ^2/NDF:513570.6/18

Out: 1688.628+/-0.383 χ^2/NDF:836158.6/22

All: 1682.597+/-0.271 χ^2/NDF: 1350226.3/41


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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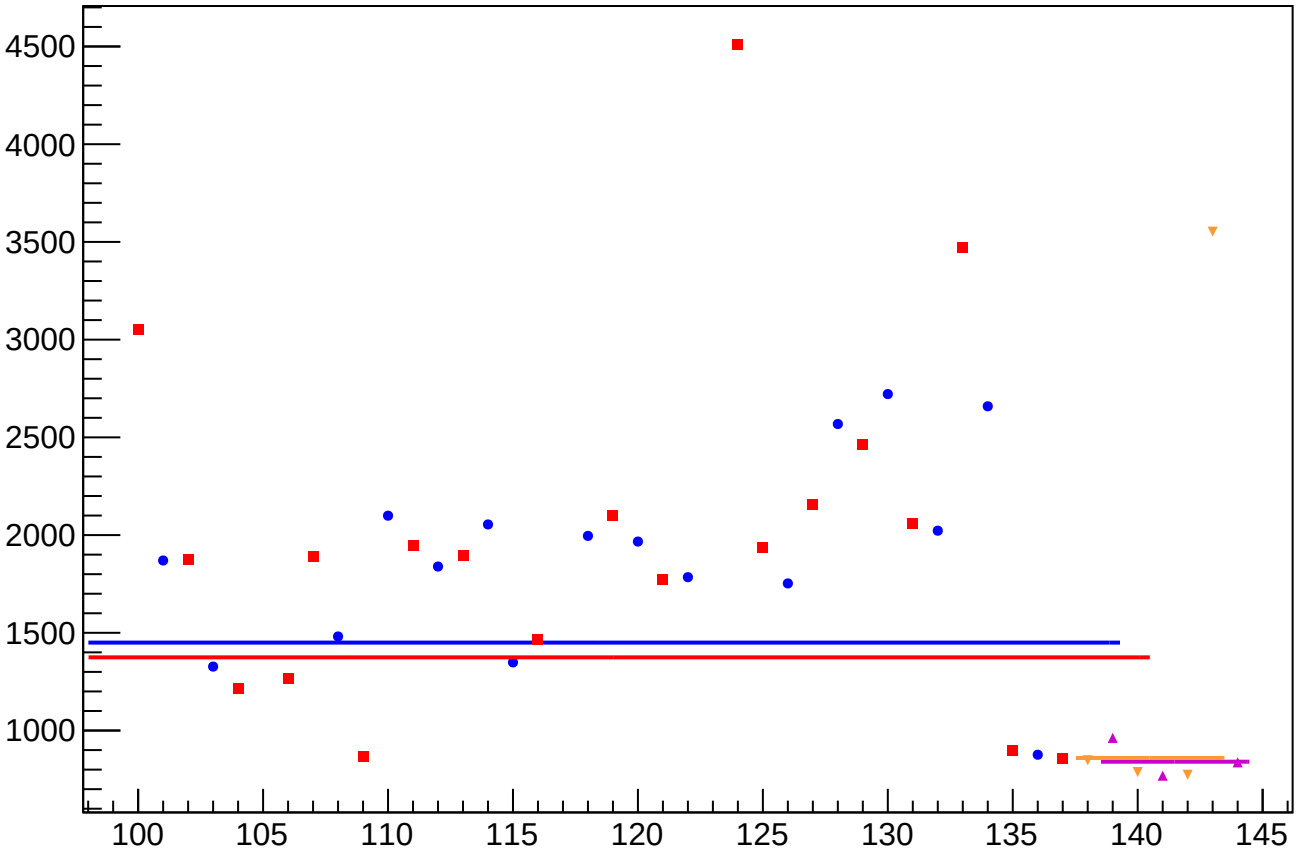
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: -423.305+/-557.922 χ²/NDF:6.1/3
Right Out: -895.463+/-556.666 χ²/NDF: 14.2/18
Left In: -404.420+/-522.380 χ²/NDF:1.9/2
Left: -413.242+/-381.325 χ²/NDF: 8.0/6
Right: 111.650+/-401.033 χ²/NDF: 42.7/34
In: 315.822+/-387.627 χ²/NDF:27.8/18
Out: -659.916+/-394.066 χ²/NDF:20.6/22
All: -164.010+/-276.342 χ²/NDF: 51.5/41



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 840.521+/-0.369 χ^2/NDF:42112.7/2

Left: 849.470+/-0.270 χ^2/NDF: 1000131.8/6

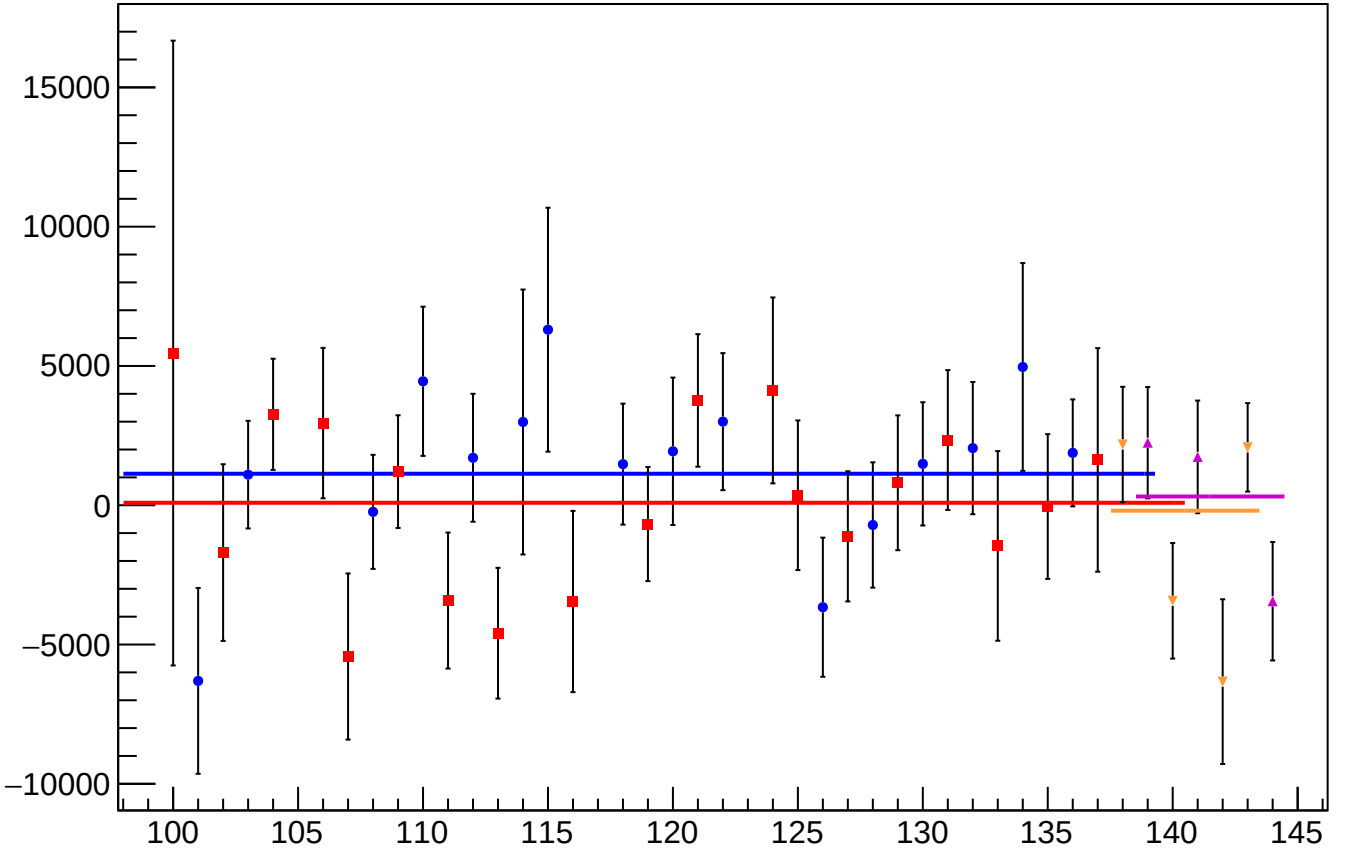
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1114.379+/-0.274 χ^2/NDF:3057988.0/18

Out: 1117.638+/-0.279 χ^2/NDF:3937633.7/22

All: 1115.982+/-0.195 χ^2/NDF: 6995691.2/41

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -194.593+/-1012.022 χ^2/NDF:10.1/3

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 314.273+/-1181.453 χ^2/NDF:4.6/2

Left: 20.767+/-768.594 χ^2/NDF: 14.8/6

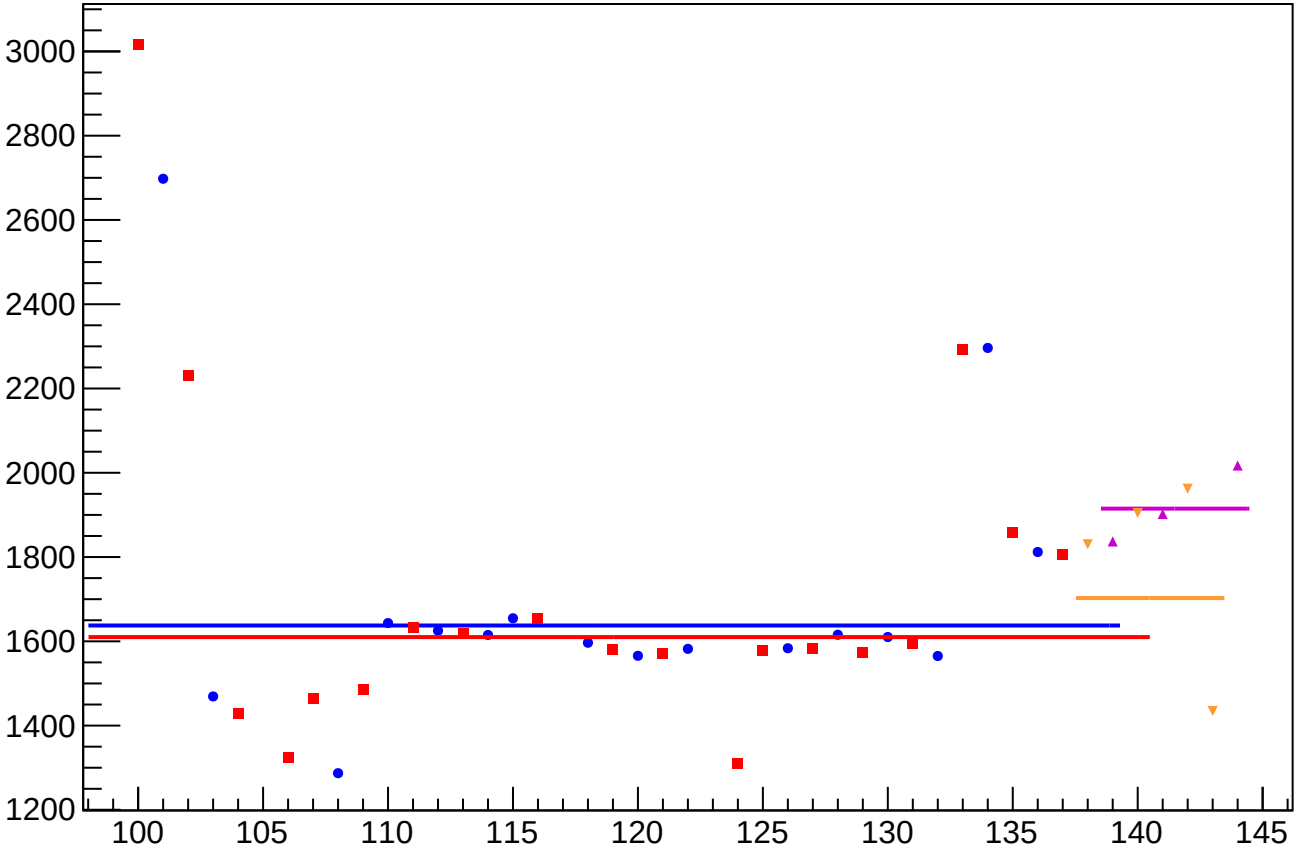
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 955.664+/-547.075 χ^2/NDF:19.9/18

Out: 14.847+/-518.063 χ^2/NDF:30.8/22

All: 459.648+/-376.164 χ^2/NDF: 52.3/41

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1702.699+/-0.716 χ^2/NDF:98937.9/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1914.919+/-0.835 χ^2/NDF:7752.7/2

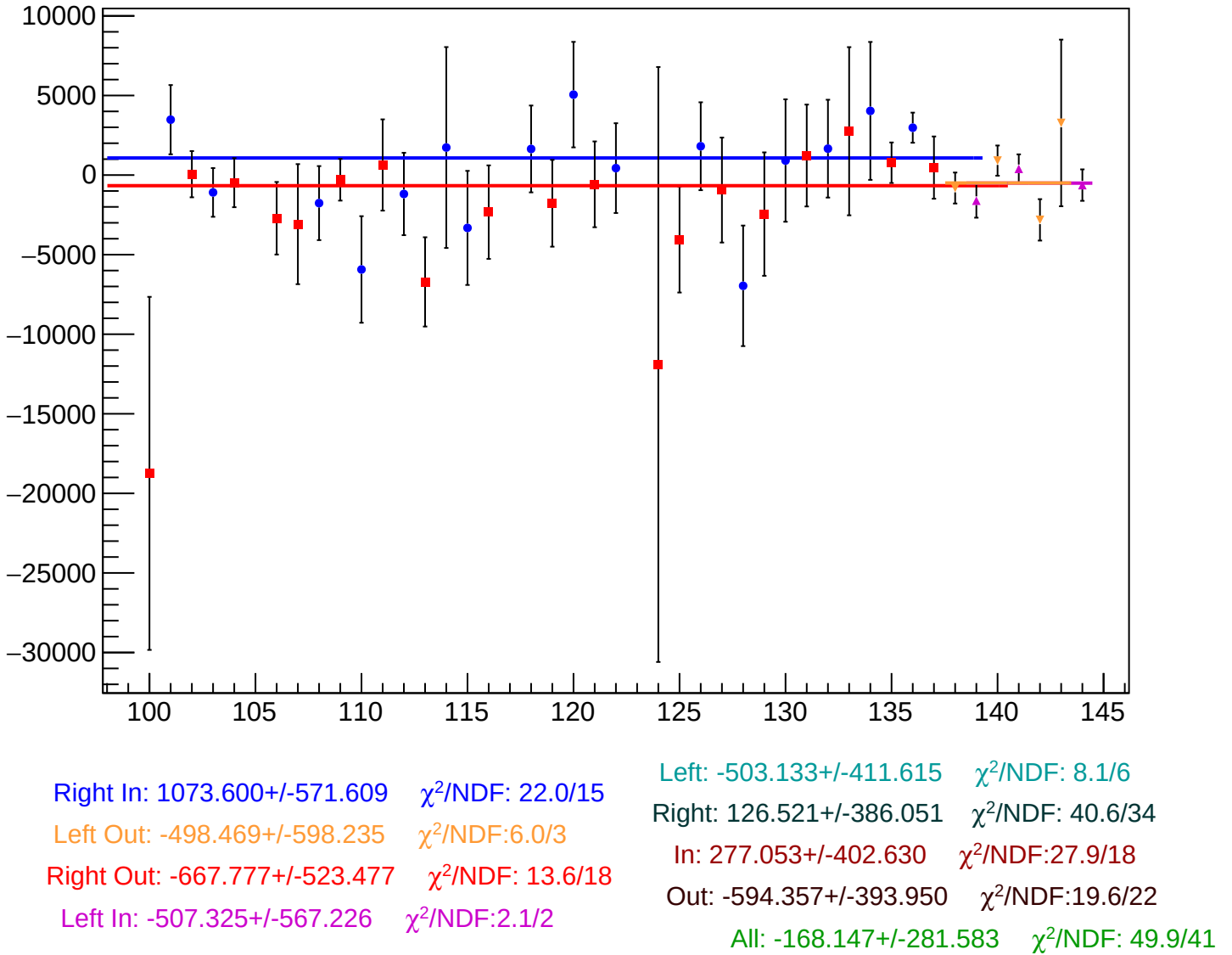
Left: 1792.514+/-0.543 χ^2/NDF: 143911.4/6

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1697.042+/-0.387 χ^2/NDF:455752.4/18

Out: 1634.324+/-0.366 χ^2/NDF:392121.9/22

All: 1663.976+/-0.266 χ^2/NDF: 861732.7/41


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
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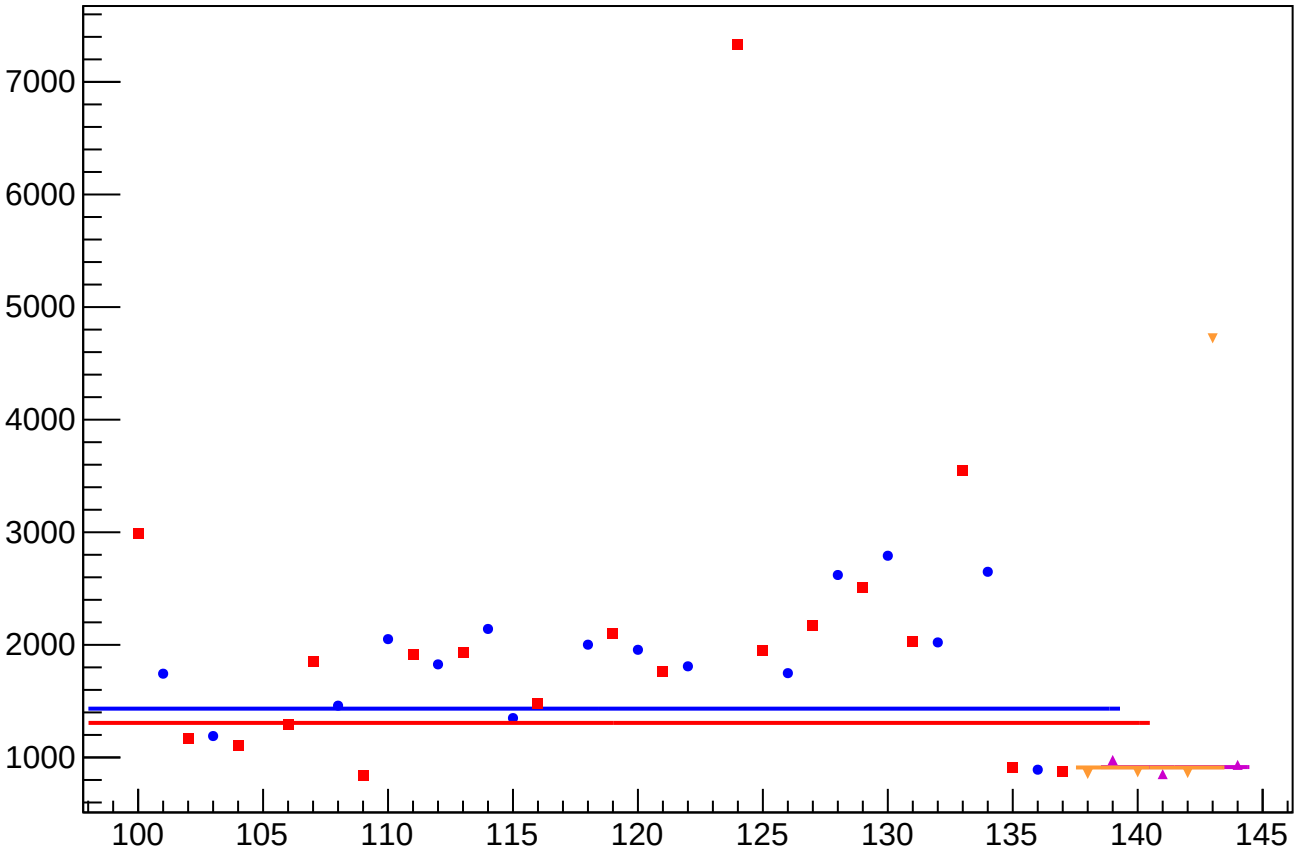
140
145
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: -498.469+/-598.235 χ²/NDF:6.0/3
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -507.325+/-567.226 χ²/NDF:2.1/2
Left: -503.133+/-411.615 χ²/NDF: 8.1/6
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: 277.053+/-402.630 χ²/NDF:27.9/18
Out: -594.357+/-393.950 χ²/NDF:19.6/22
All: -168.147+/-281.583 χ²/NDF: 49.9/41



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 910.980+/-0.423 χ^2/NDF:1074453.7/3

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 914.558+/-0.401 χ^2/NDF:17260.7/2

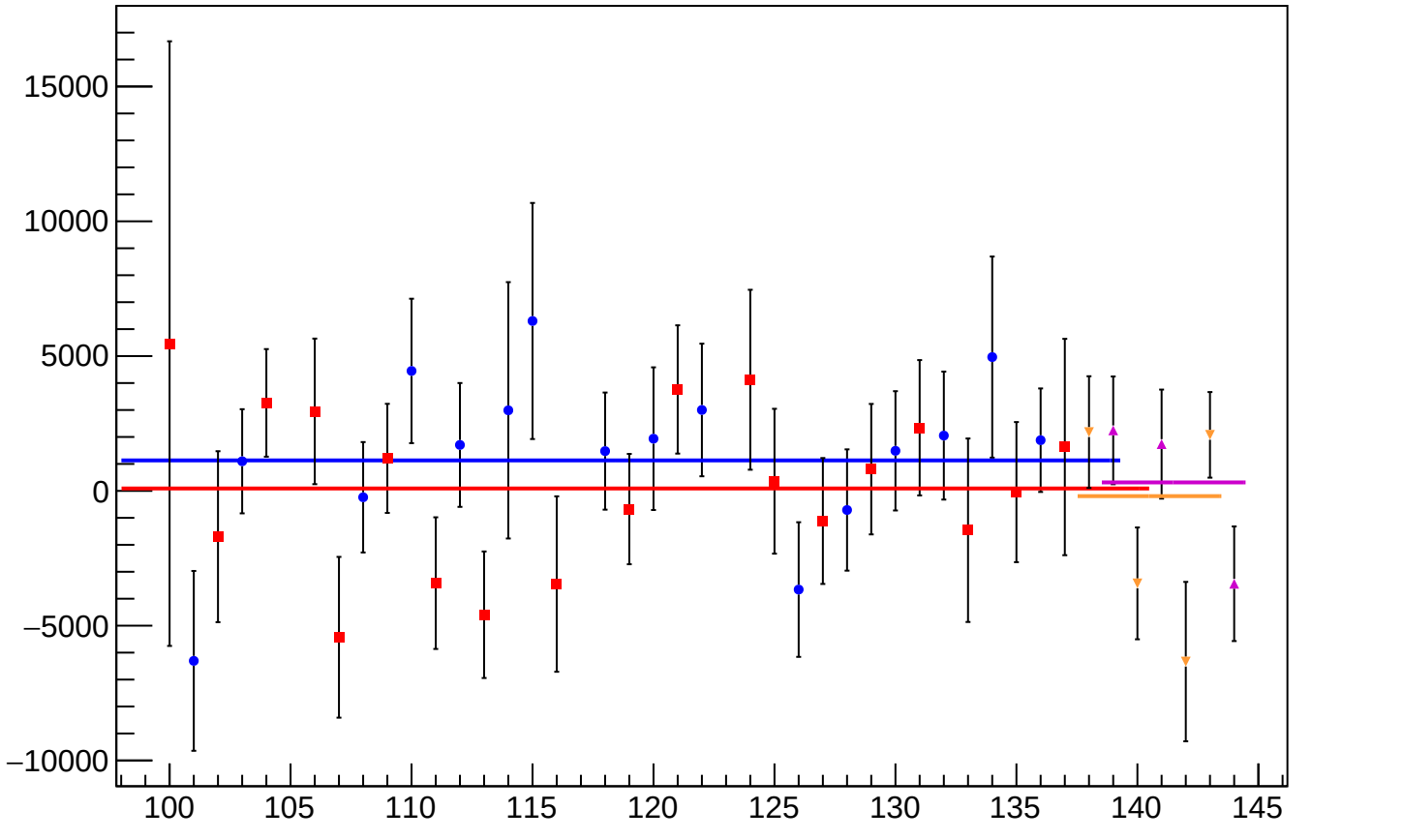
Left: 912.864+/-0.291 χ^2/NDF: 1091752.1/6

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1172.020+/-0.285 χ^2/NDF:2611236.7/18

Out: 1135.191+/-0.279 χ^2/NDF:3754396.2/22

All: 1153.204+/-0.199 χ^2/NDF: 6374182.3/41



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -194.609+/-1012.023 χ^2/NDF:10.1/3

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 314.257+/-1181.453 χ^2/NDF:4.6/2

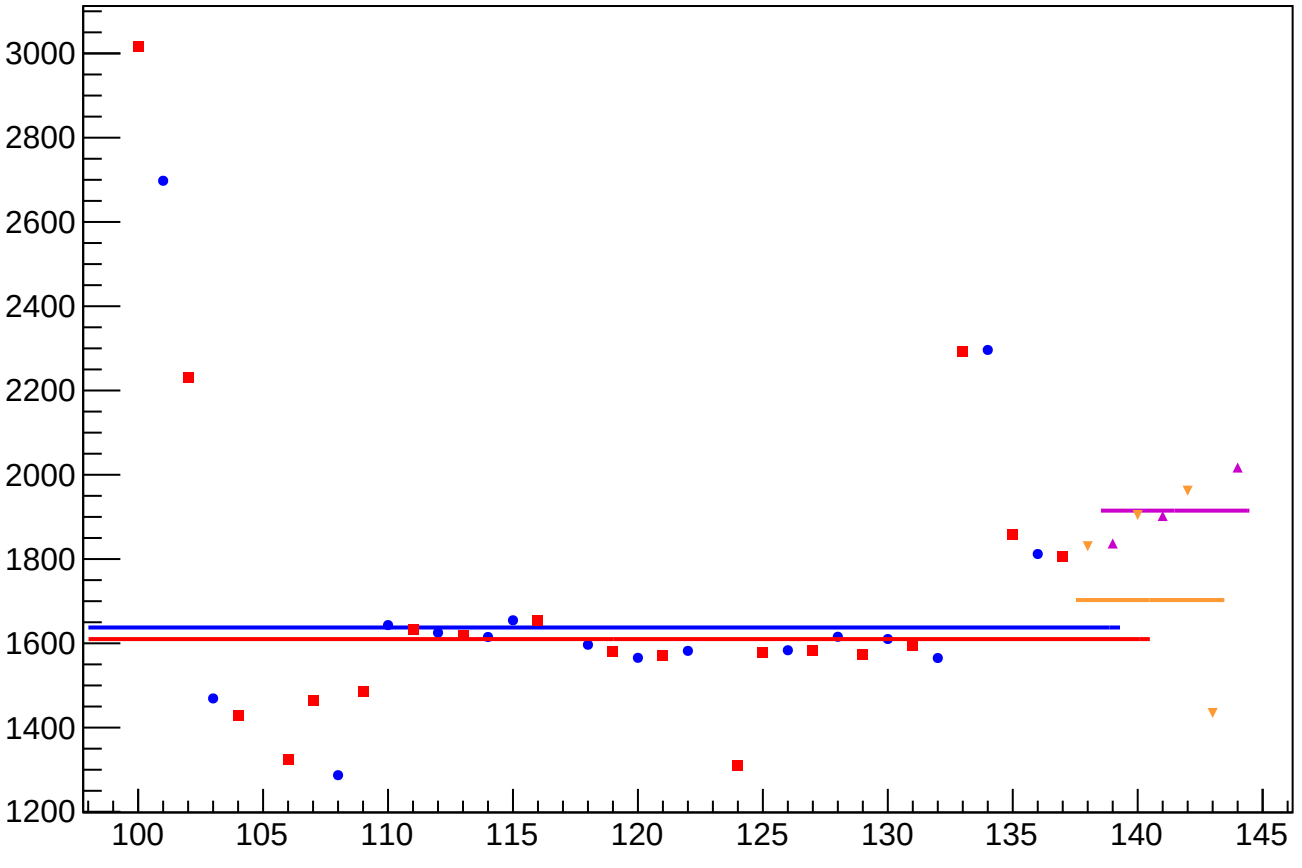
Left: 20.751+/-768.594 χ^2/NDF: 14.8/6

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 955.662+/-547.075 χ^2/NDF:19.9/18

Out: 14.846+/-518.063 χ^2/NDF:30.8/22

All: 459.647+/-376.164 χ^2/NDF: 52.3/41



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1702.700+/-0.716 χ^2/NDF:98937.0/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1914.919+/-0.835 χ^2/NDF:7752.7/2

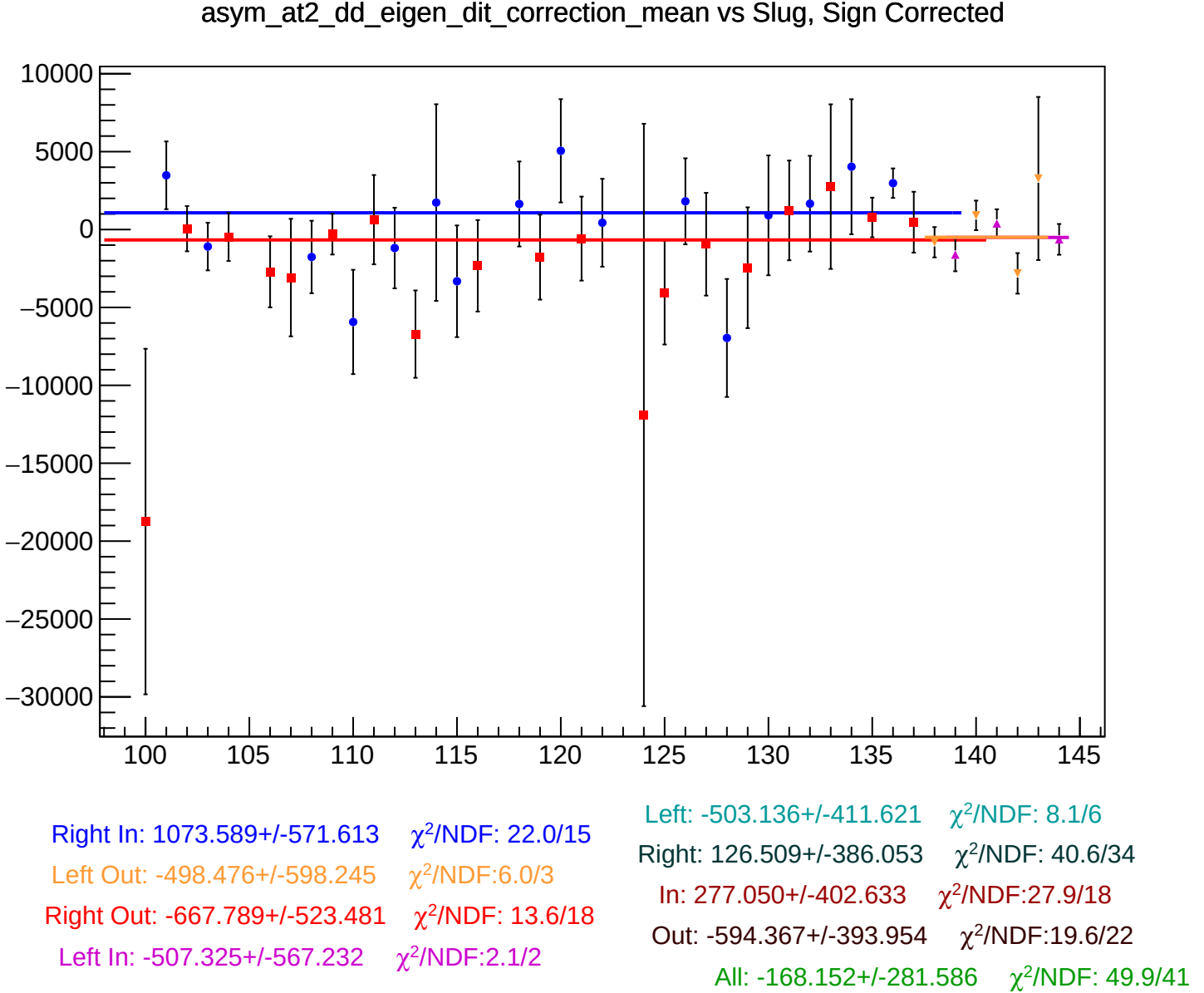
Left: 1792.515+/-0.543 χ^2/NDF: 143910.0/6

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1697.042+/-0.387 χ^2/NDF:455752.3/18

Out: 1634.324+/-0.366 χ^2/NDF:392121.5/22

All: 1663.976+/-0.266 χ^2/NDF: 861732.1/41


asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
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−15000
−20000
−25000
−30000
100
105
110
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120
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140
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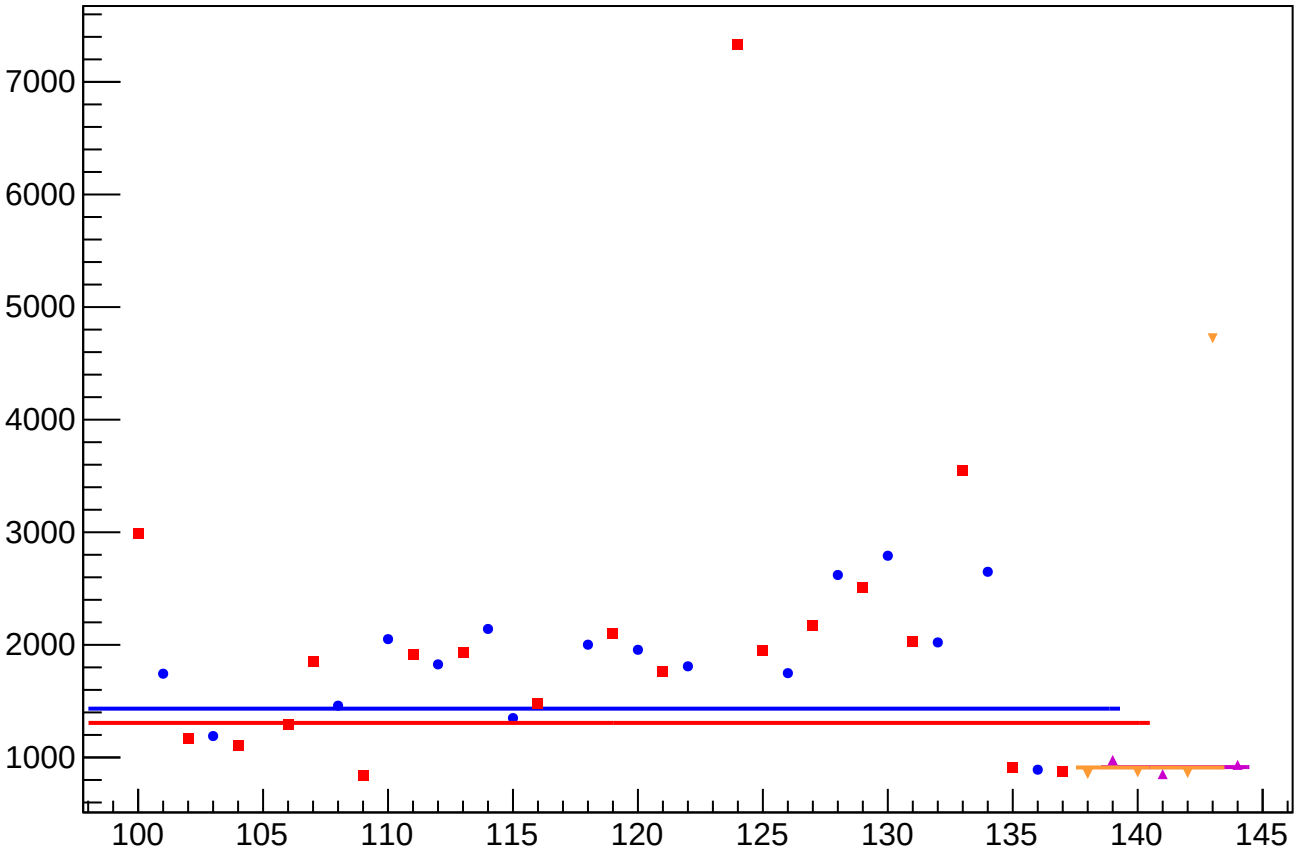
Right In: 1073.589+/-571.613 χ²/NDF: 22.0/15
Left Out: -498.476+/-598.245 χ²/NDF:6.0/3
Right Out: -667.789+/-523.481 χ²/NDF: 13.6/18
Left In: -507.325+/-567.232 χ²/NDF:2.1/2
Left: -503.136+/-411.621 χ²/NDF: 8.1/6
Right: 126.509+/-386.053 χ²/NDF: 40.6/34
In: 277.050+/-402.633 χ²/NDF:27.9/18
Out: -594.367+/-393.954 χ²/NDF:19.6/22
All: -168.152+/-281.586 χ²/NDF: 49.9/41



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 910.996+/-0.423 χ^2/NDF:1074445.4/3

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 914.567+/-0.401 χ^2/NDF:17264.0/2

Left: 912.877+/-0.291 χ^2/NDF: 1091746.9/6

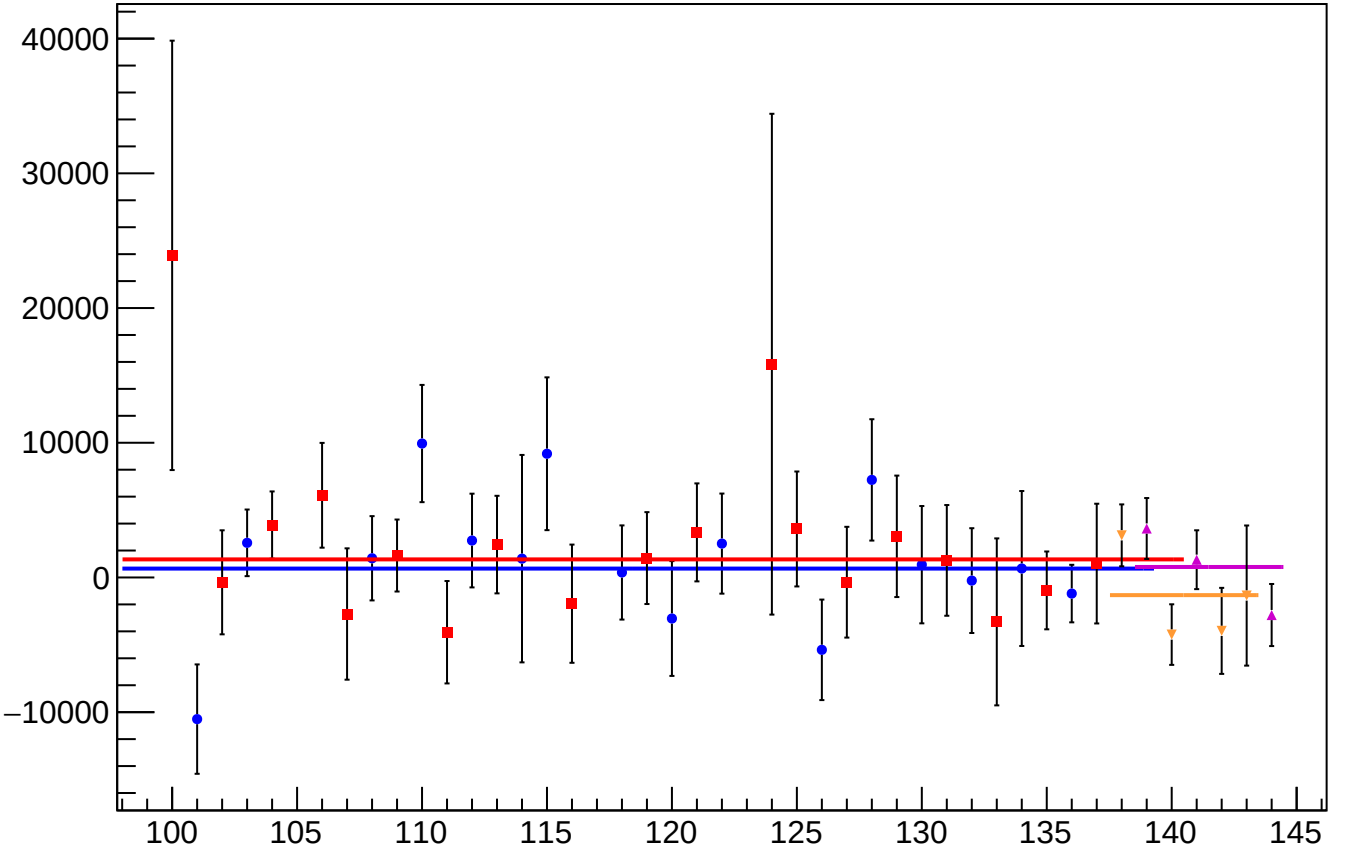
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1172.034+/-0.285 χ^2/NDF:2611150.3/18

Out: 1135.207+/-0.279 χ^2/NDF:3754298.0/22

All: 1153.219+/-0.199 χ^2/NDF: 6373996.3/41

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1311.603+/-1383.717 χ^2/NDF:6.1/3

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 778.663+/-1298.082 χ^2/NDF:4.1/2

Left: -199.792+/-946.710 χ^2/NDF: 11.4/6

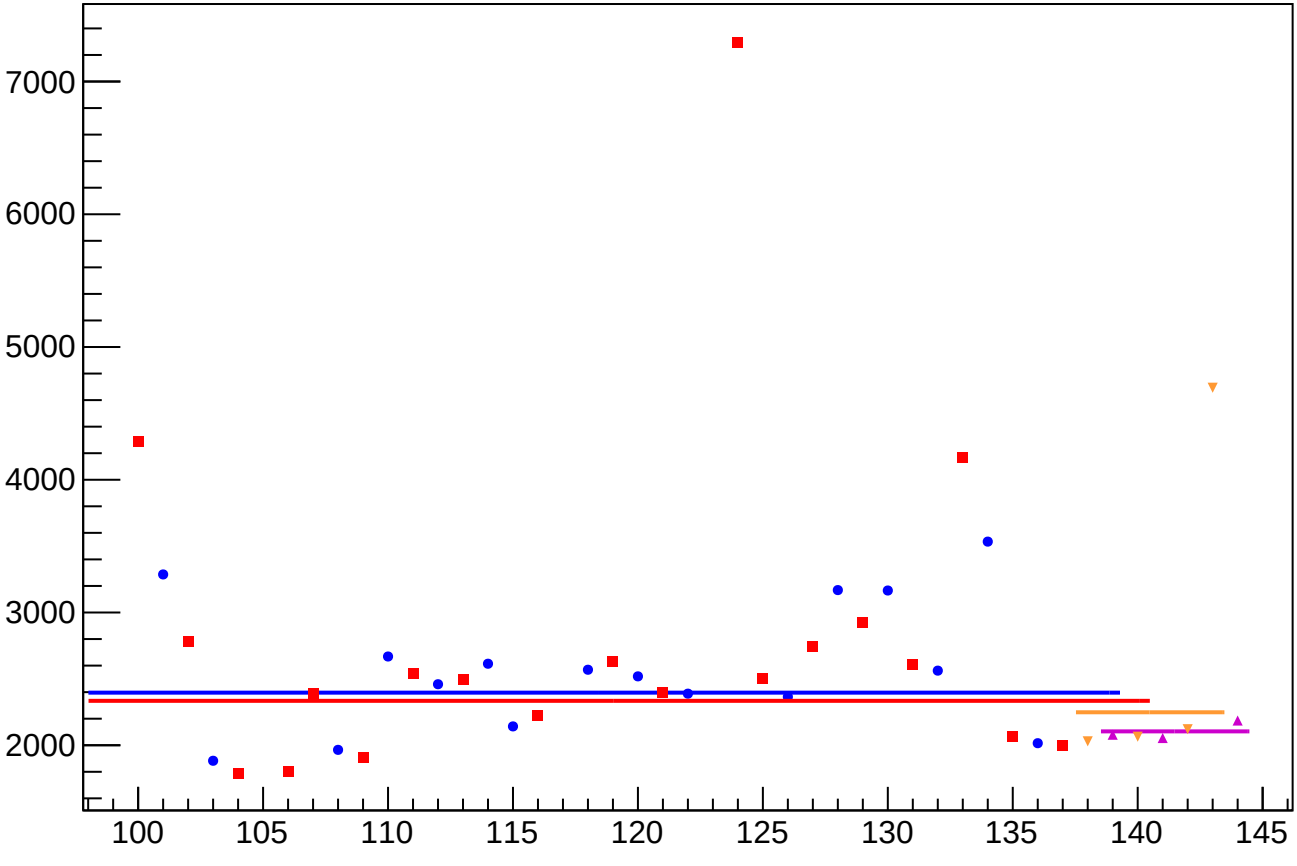
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 698.713+/-744.903 χ^2/NDF:26.0/18

Out: 564.747+/-748.876 χ^2/NDF:19.5/22

All: 632.086+/-528.125 χ^2/NDF: 45.6/41

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2248.382+/-0.978 χ^2/NDF:476669.1/3

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2104.475+/-0.918 χ^2/NDF:3814.6/2

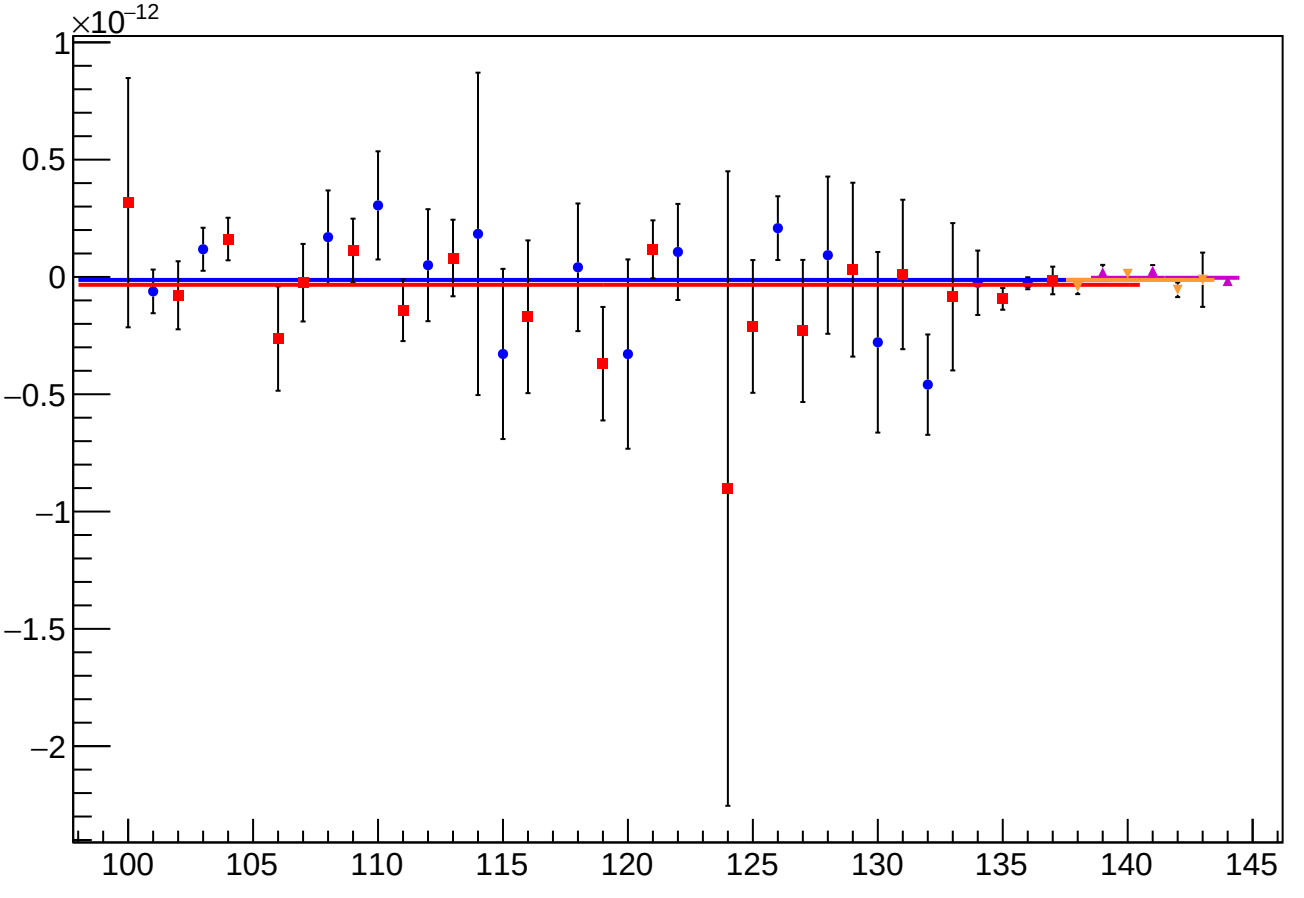
Left: 2171.838+/-0.669 χ^2/NDF: 491989.8/6

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2300.185+/-0.527 χ^2/NDF:579495.6/18

Out: 2309.341+/-0.530 χ^2/NDF:1163727.2/22

All: 2304.739+/-0.373 χ^2/NDF: 1743373.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/2

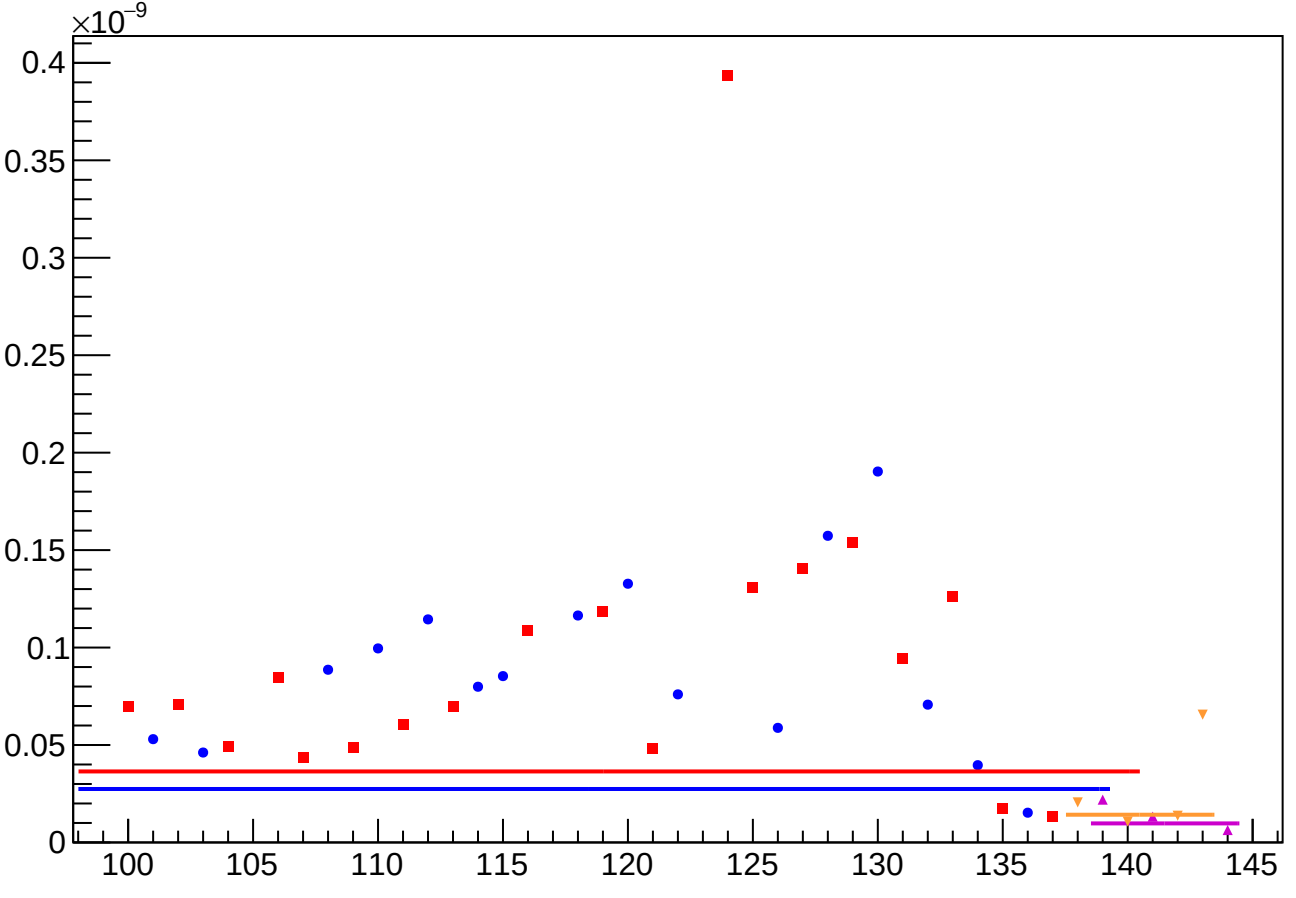
Left: -0.000+/-0.000 χ^2/NDF: 7.8/6

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:18.0/18

Out: -0.000+/-0.000 χ^2/NDF:20.2/22

All: -0.000+/-0.000 χ^2/NDF: 38.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:547226.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:455336.5/2

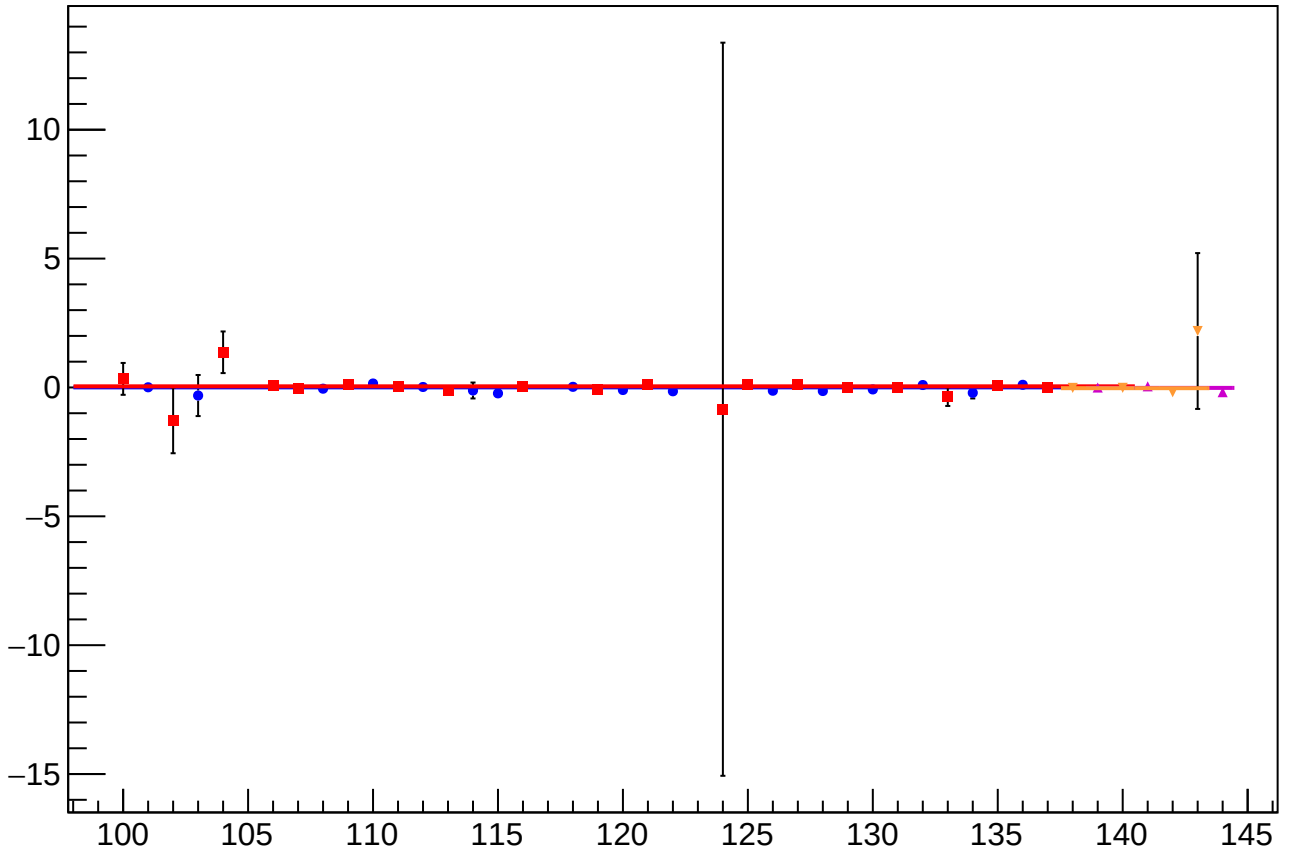
Left: 0.000+/-0.000 χ^2/NDF: 1123323.7/6

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4192381.8/18

Out: 0.000+/-0.000 χ^2/NDF:3989437.0/22

All: 0.000+/-0.000 χ^2/NDF: 8406857.6/41



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.017+/-0.041 χ^2/NDF:2.7/2

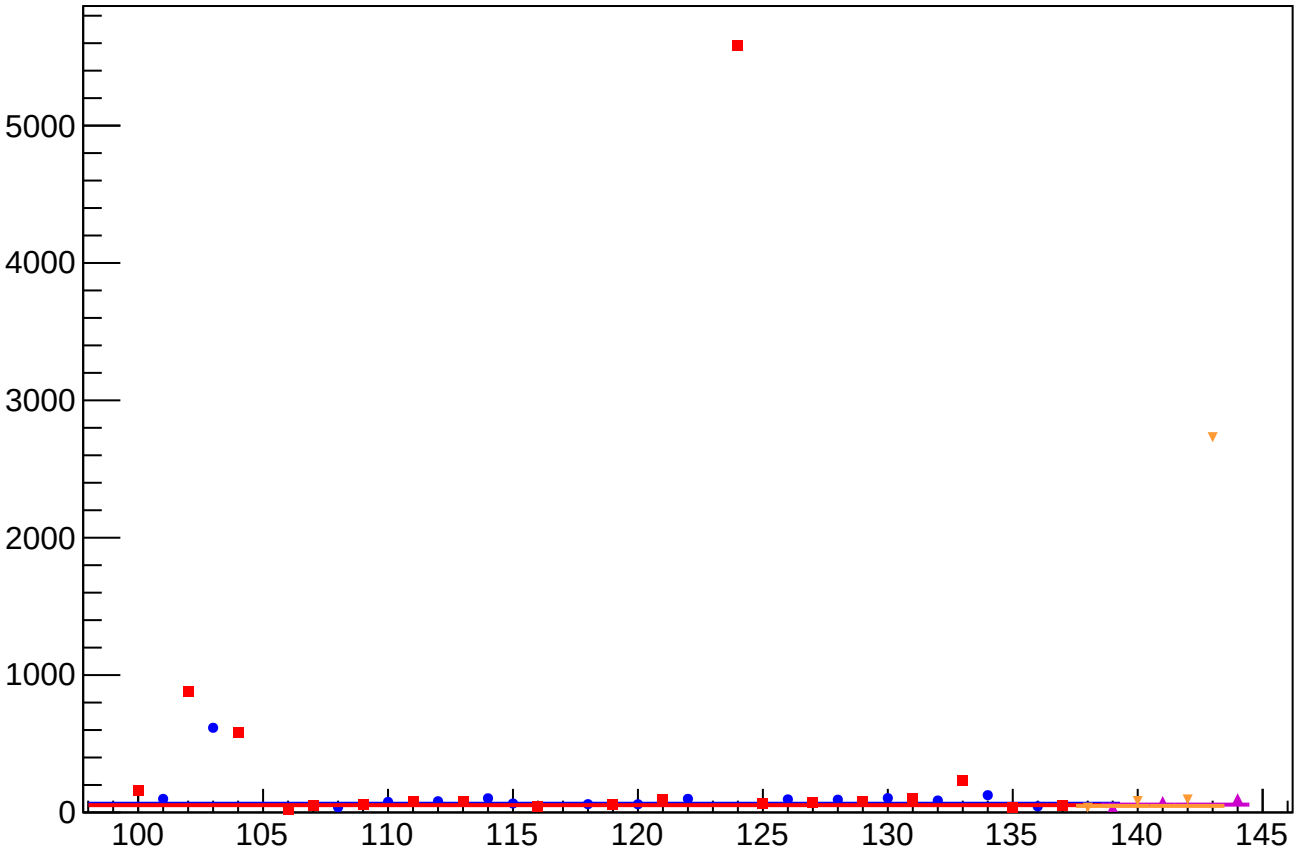
Left: -0.023+/-0.028 χ^2/NDF: 4.6/6

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.023 χ^2/NDF:16.2/18

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.011+/-0.015 χ^2/NDF: 33.8/41



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 47.655+/-0.027 χ^2/NDF:2232378.6/3

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.097+/-0.029 χ^2/NDF:723109.4/2

Left: 52.114+/-0.020 χ^2/NDF: 3012587.4/6

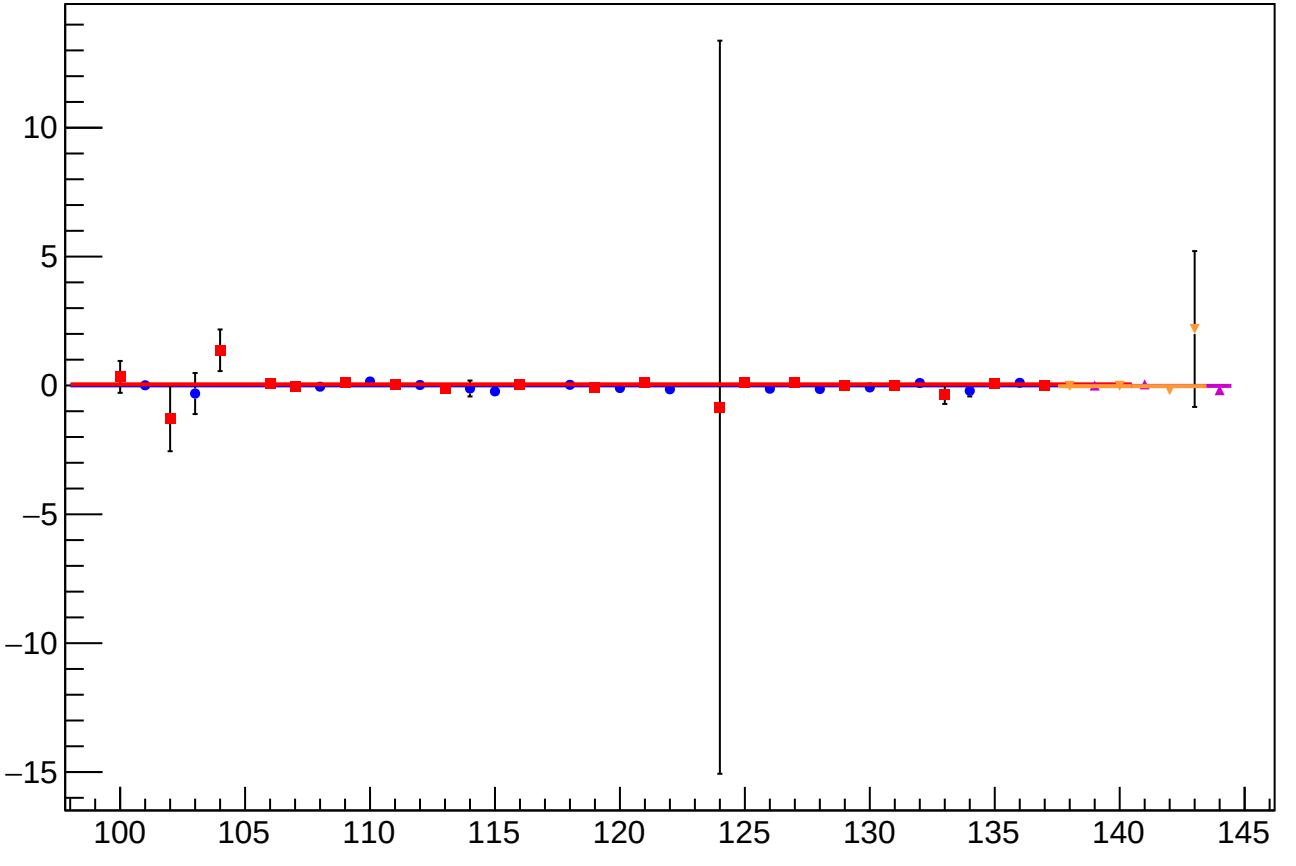
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.483+/-0.016 χ^2/NDF:3202206.9/18

Out: 51.569+/-0.015 χ^2/NDF:6207632.4/22

All: 56.128+/-0.011 χ^2/NDF: 9617657.6/41

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.017+/-0.041 χ^2/NDF:2.7/2

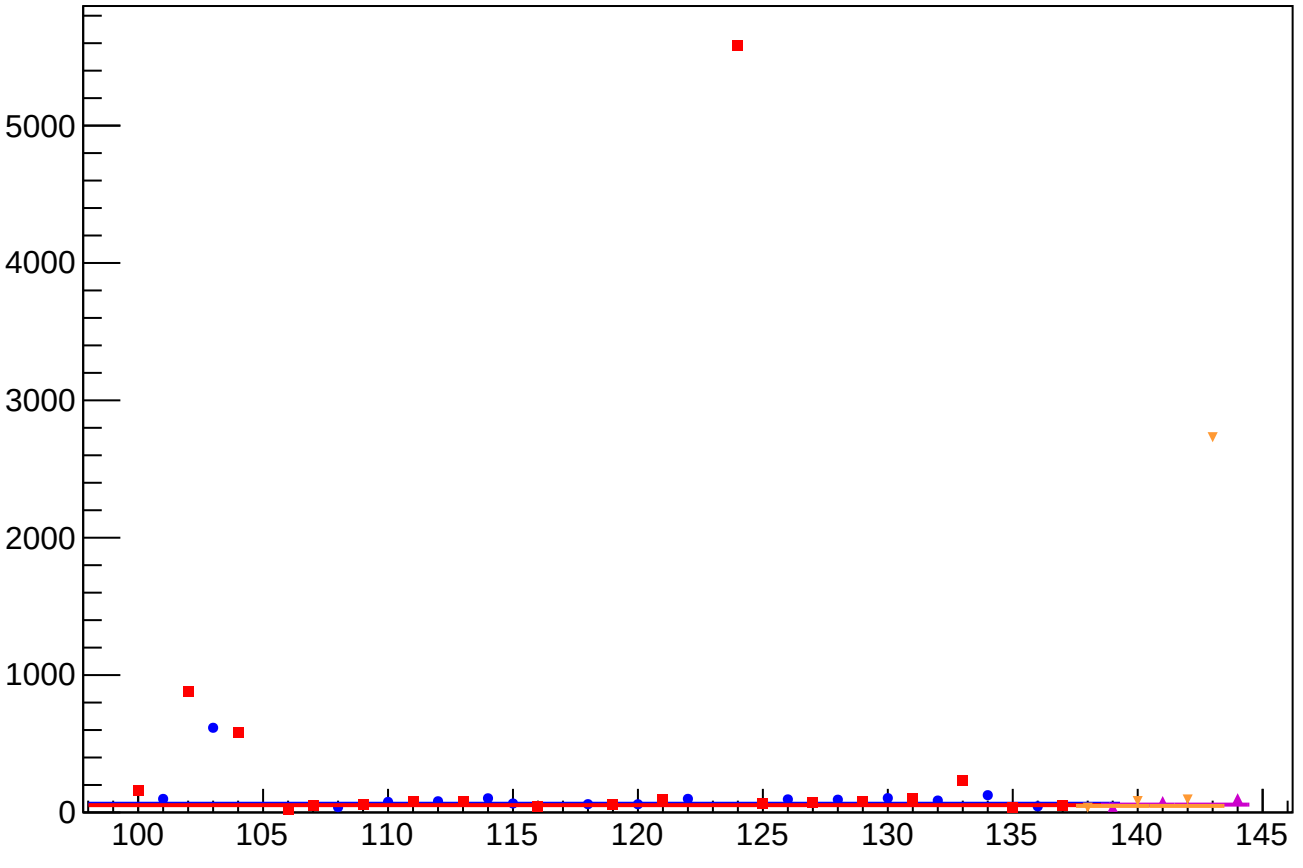
Left: -0.023+/-0.028 χ^2/NDF: 4.6/6

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.023 χ^2/NDF:16.2/18

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.011+/-0.015 χ^2/NDF: 33.8/41



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 47.655+/-0.027 χ^2/NDF:2232378.6/3

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.097+/-0.029 χ^2/NDF:723109.4/2

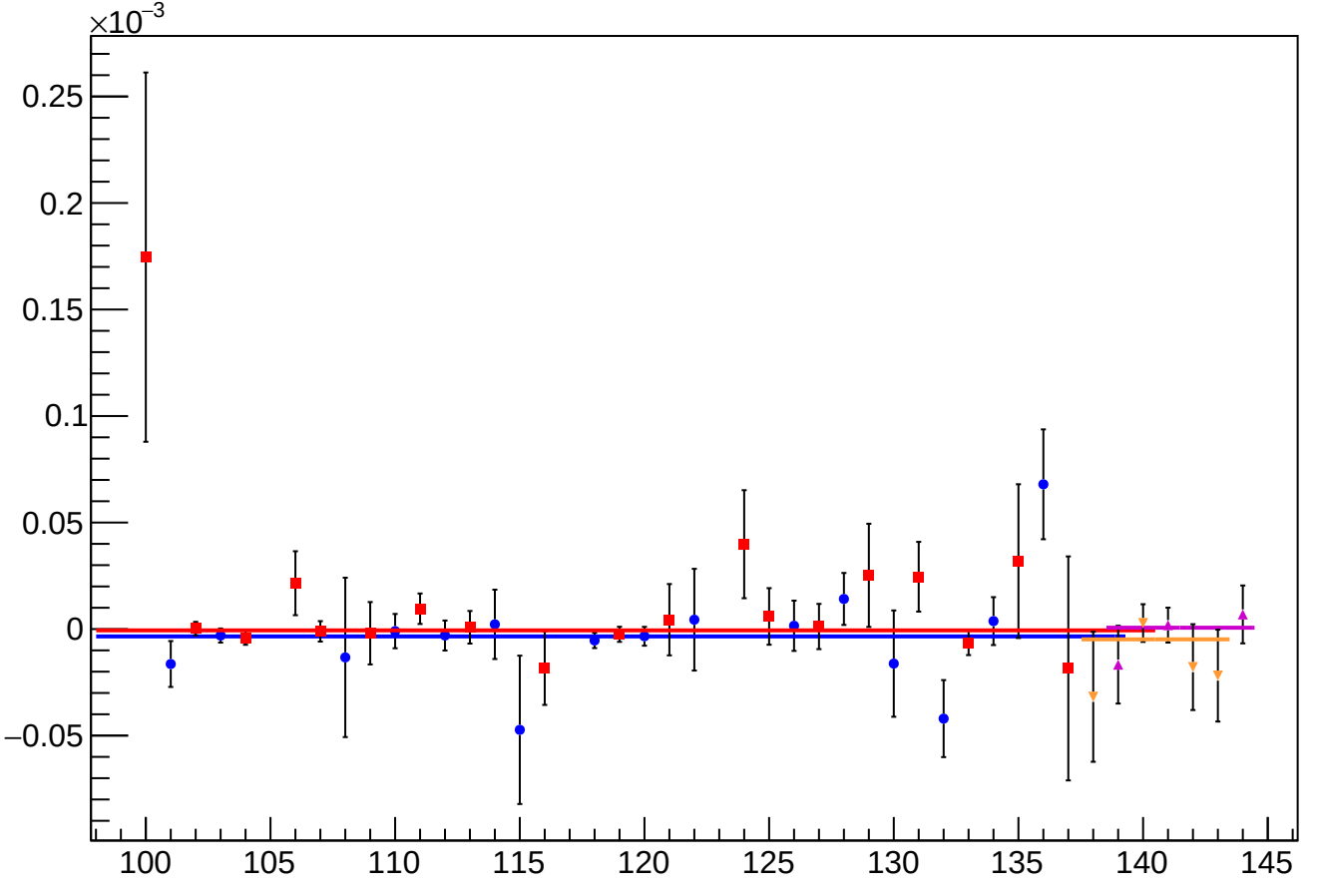
Left: 52.114+/-0.020 χ^2/NDF: 3012587.4/6

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.483+/-0.016 χ^2/NDF:3202206.9/18

Out: 51.569+/-0.015 χ^2/NDF:6207632.4/22

All: 56.128+/-0.011 χ^2/NDF: 9617657.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

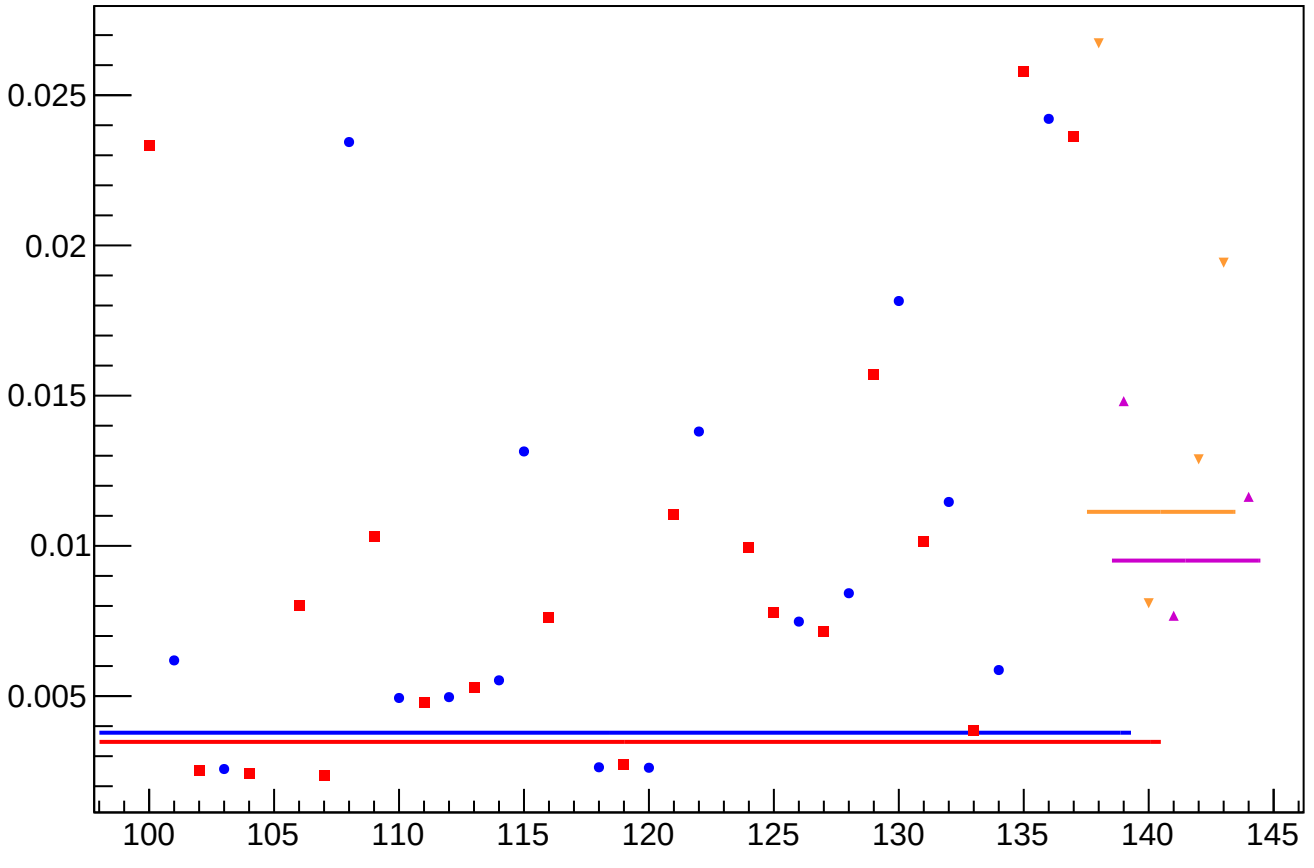
Left: -0.000+/-0.000 χ^2/NDF: 4.0/6

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:20.4/18

Out: -0.000+/-0.000 χ^2/NDF:22.0/22

All: -0.000+/-0.000 χ^2/NDF: 43.5/41



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:1069712.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.010+/-0.000 χ^2/NDF:318452.7/2

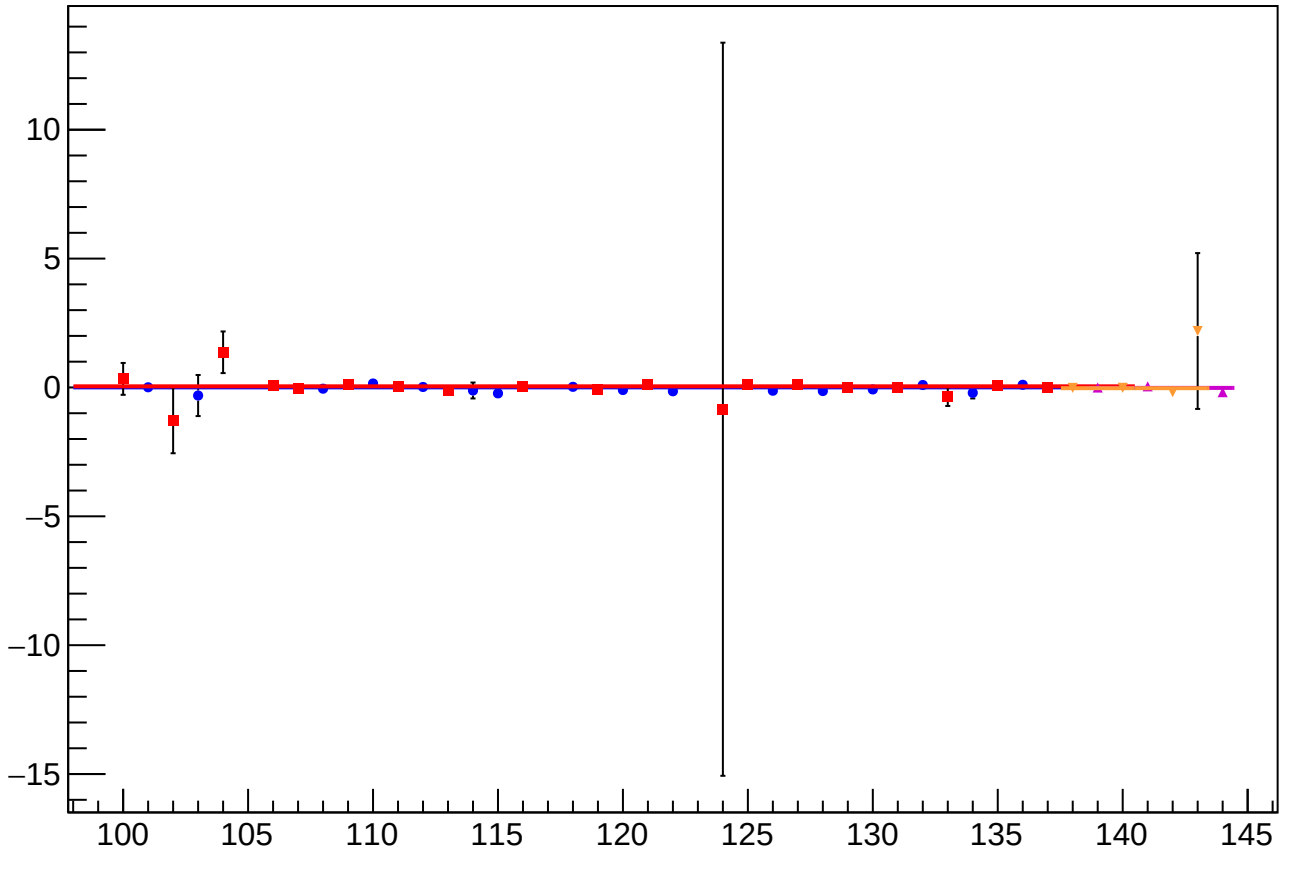
Left: 0.010+/-0.000 χ^2/NDF: 1442460.7/6

Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:6460418.5/18

Out: 0.004+/-0.000 χ^2/NDF:7638702.1/22

All: 0.004+/-0.000 χ^2/NDF: 14157430.2/41



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.017+/-0.041 χ^2/NDF:2.7/2

Left: -0.023+/-0.028 χ^2/NDF: 4.6/6

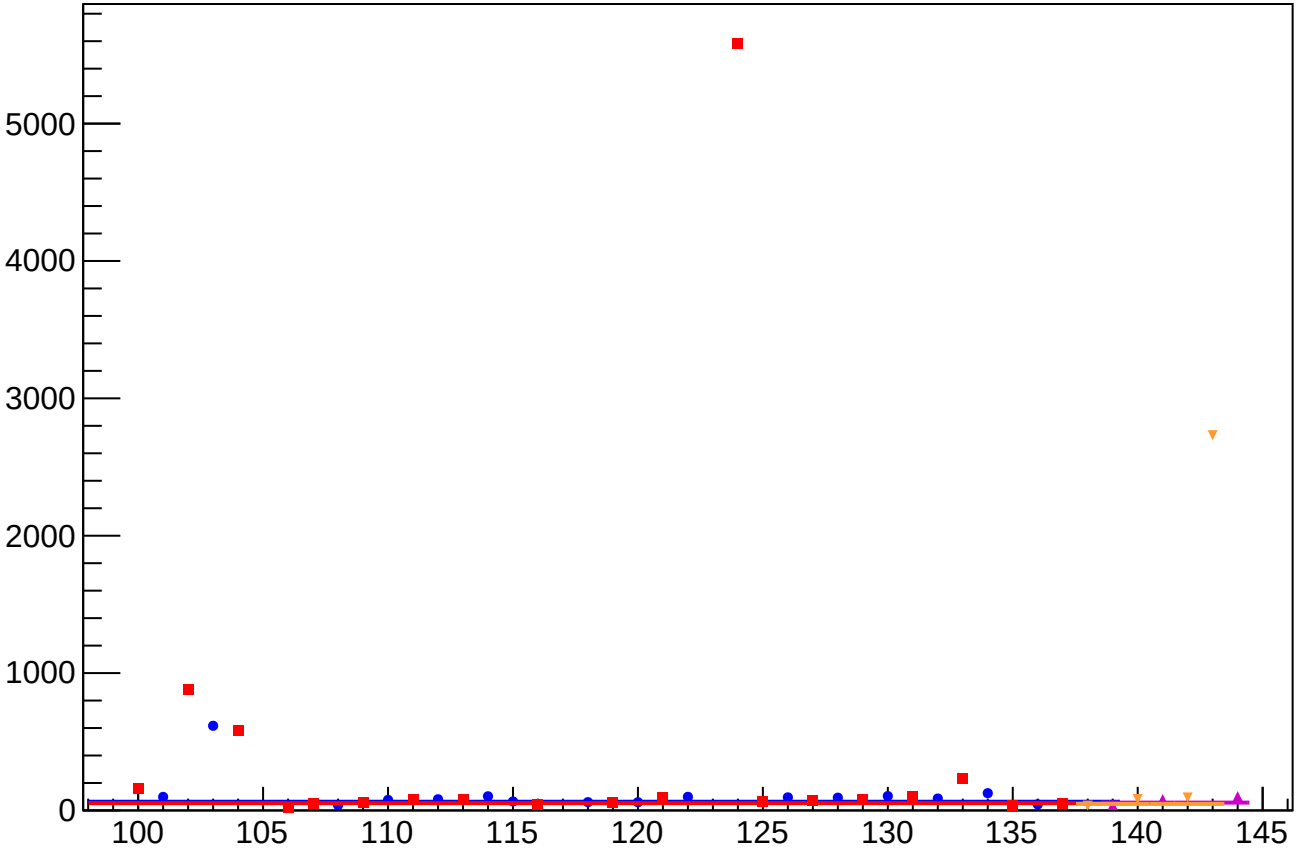
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.023 χ^2/NDF:16.2/18

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.011+/-0.015 χ^2/NDF: 33.8/41

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 47.656+/-0.027 χ^2/NDF:2232468.8/3

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.109+/-0.029 χ^2/NDF:722788.3/2

Left: 52.119+/-0.020 χ^2/NDF: 3012484.2/6

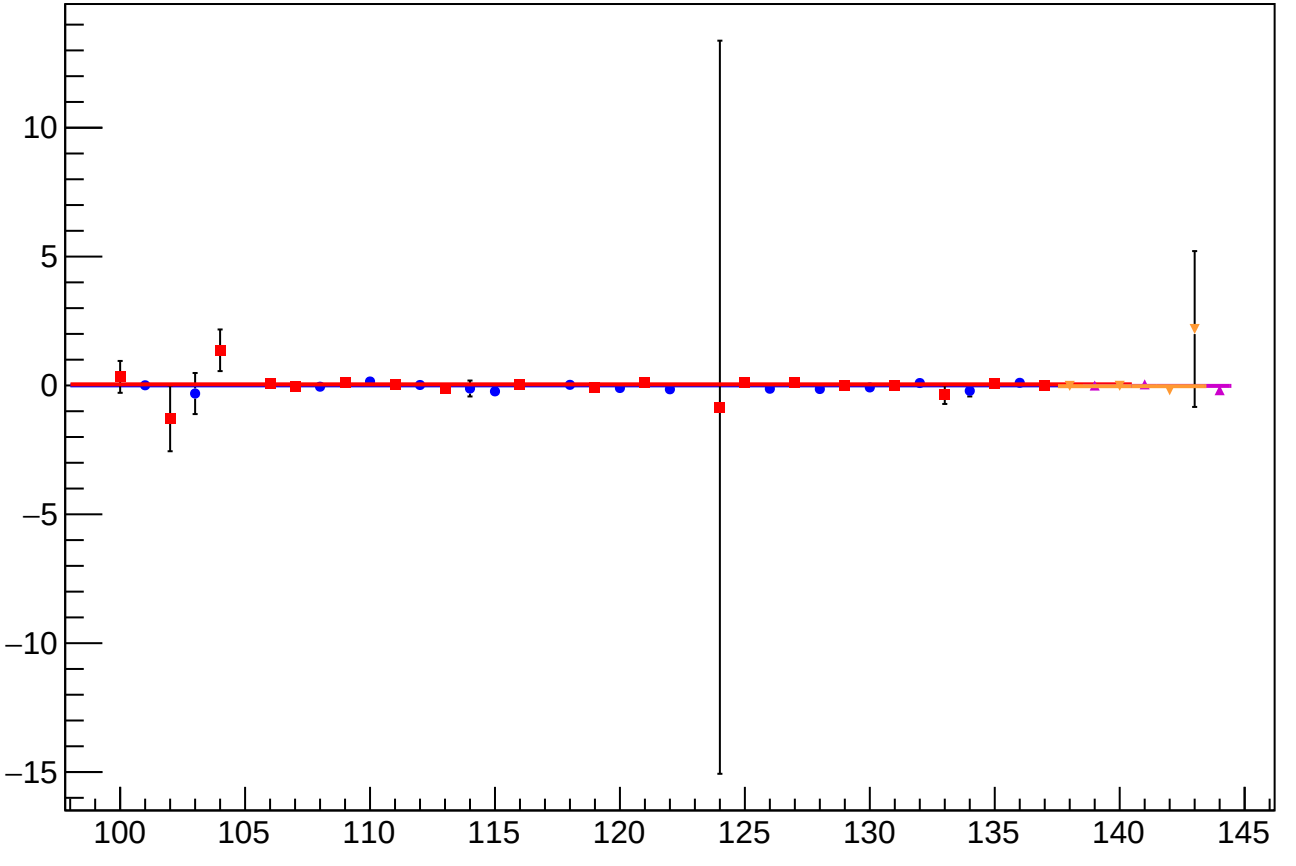
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.493+/-0.016 χ^2/NDF:3200940.6/18

Out: 51.566+/-0.015 χ^2/NDF:6208206.7/22

All: 56.130+/-0.011 χ^2/NDF: 9617502.0/41

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: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.017+/-0.041 χ^2/NDF:2.7/2

Left: -0.023+/-0.028 χ^2/NDF: 4.6/6

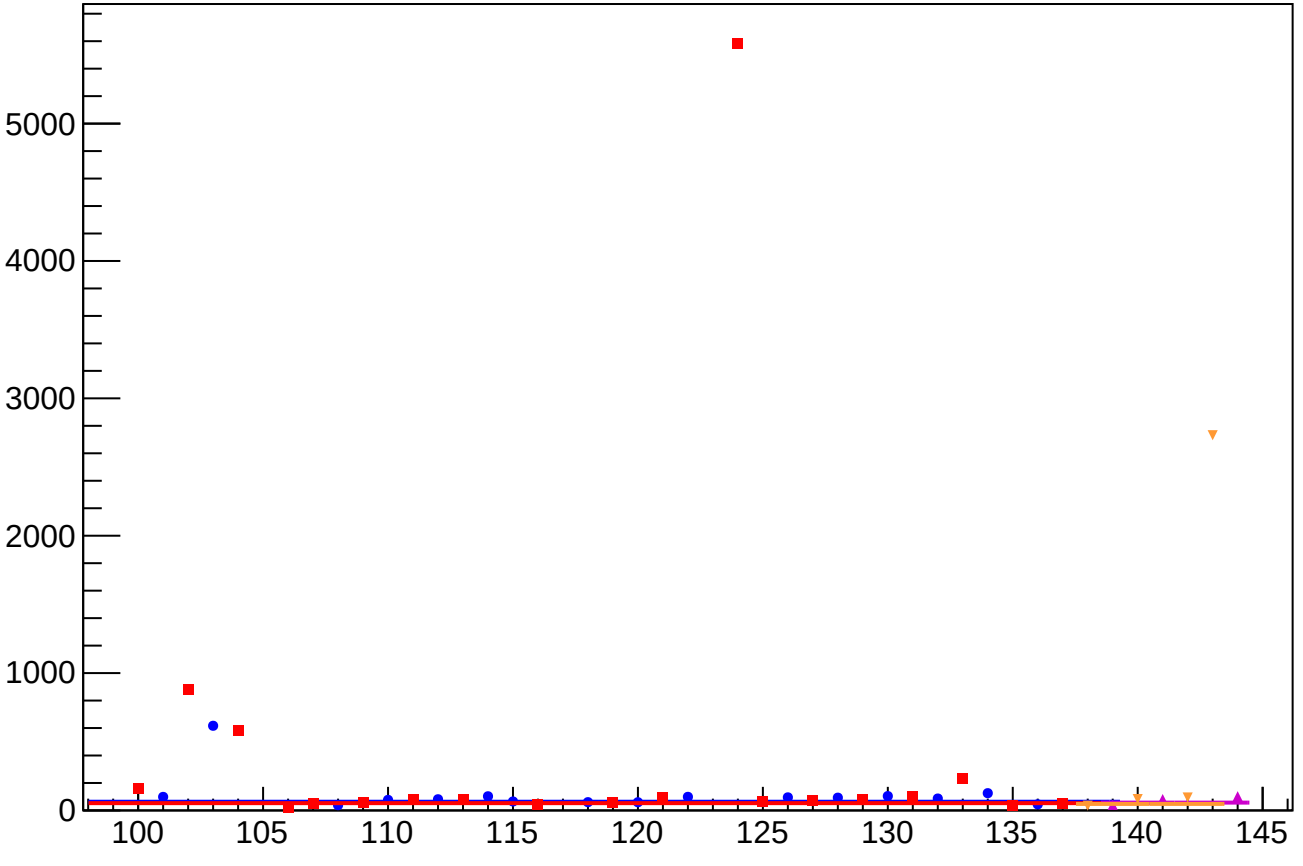
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.023 χ^2/NDF:16.2/18

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.011+/-0.015 χ^2/NDF: 33.8/41

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: 47.656+/-0.027 χ^2/NDF:2232468.8/3

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.109+/-0.029 χ^2/NDF:722788.3/2

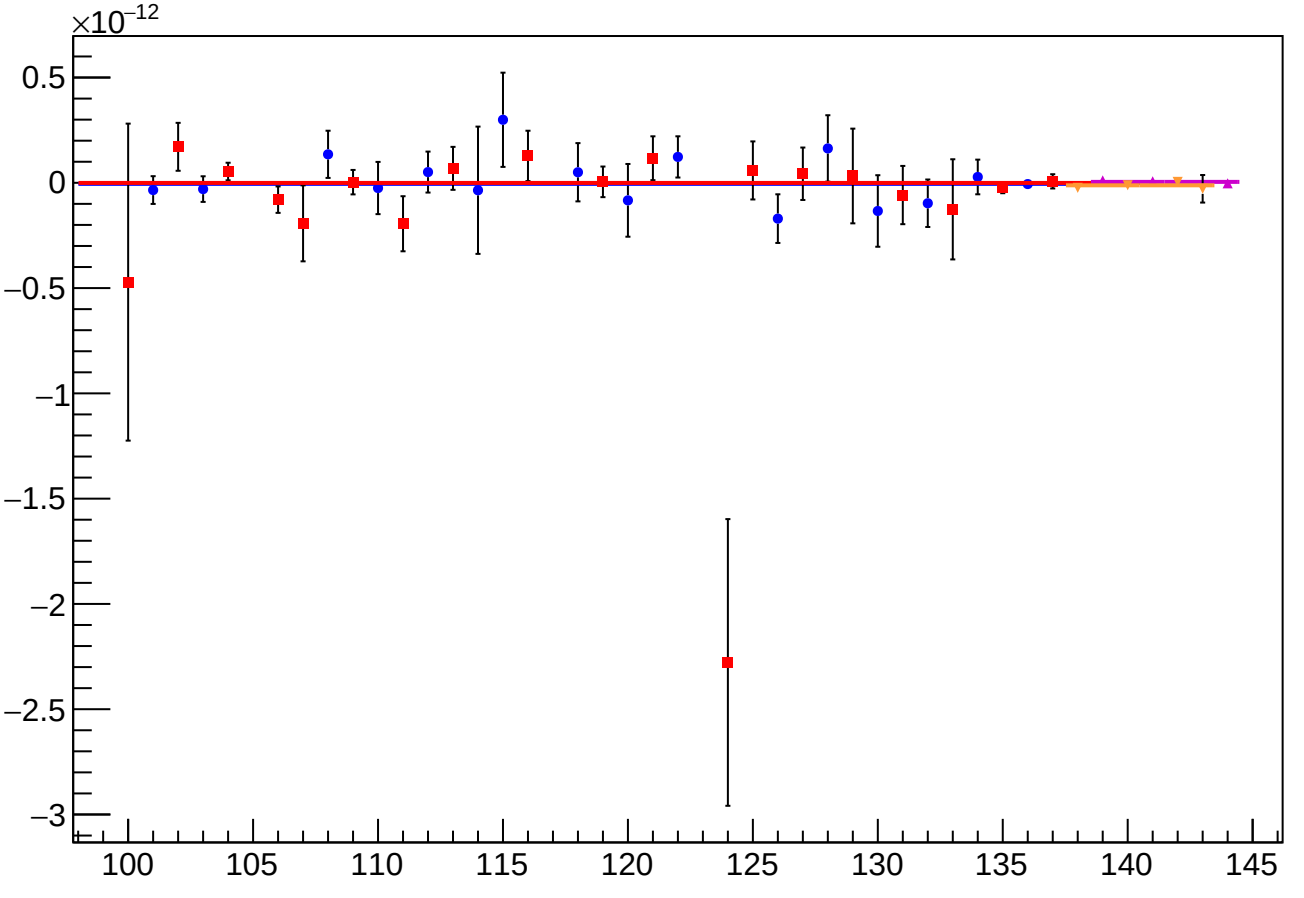
Left: 52.119+/-0.020 χ^2/NDF: 3012484.2/6

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.493+/-0.016 χ^2/NDF:3200940.6/18

Out: 51.566+/-0.015 χ^2/NDF:6208206.7/22

All: 56.130+/-0.011 χ^2/NDF: 9617502.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

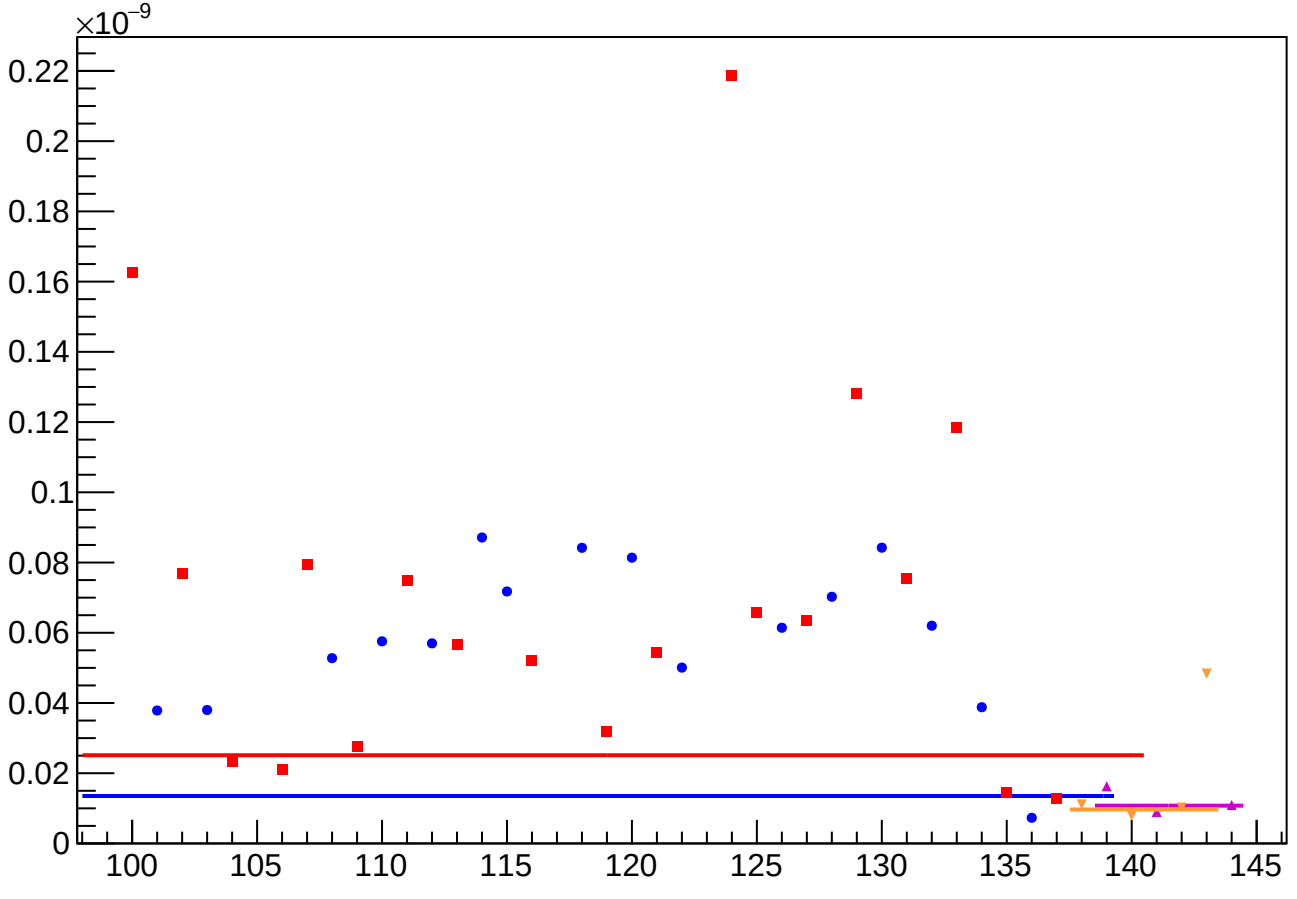
Left: -0.000+/-0.000 χ^2/NDF: 3.9/6

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:11.7/18

Out: -0.000+/-0.000 χ^2/NDF:27.0/22

All: -0.000+/-0.000 χ^2/NDF: 39.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:775303.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:169738.7/2

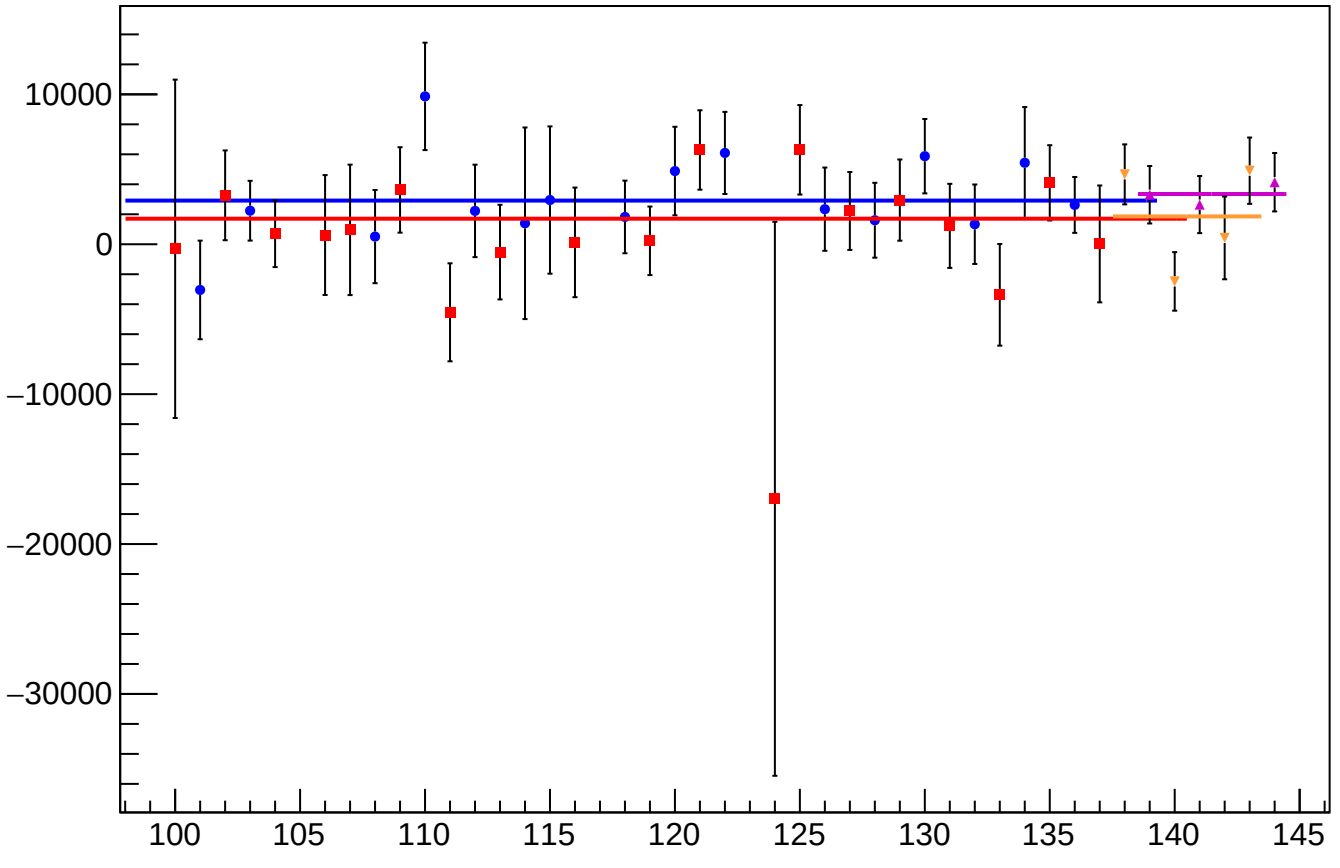
Left: 0.000+/-0.000 χ^2/NDF: 963265.3/6

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5249244.4/18

Out: 0.000+/-0.000 χ^2/NDF:6020187.6/22

All: 0.000+/-0.000 χ^2/NDF: 11294567.5/41



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.513+/-1086.318 χ^2/NDF:9.1/3

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 3351.402+/-1110.271 χ^2/NDF:0.3/2

Left: 2587.147+/-776.473 χ^2/NDF: 10.3/6

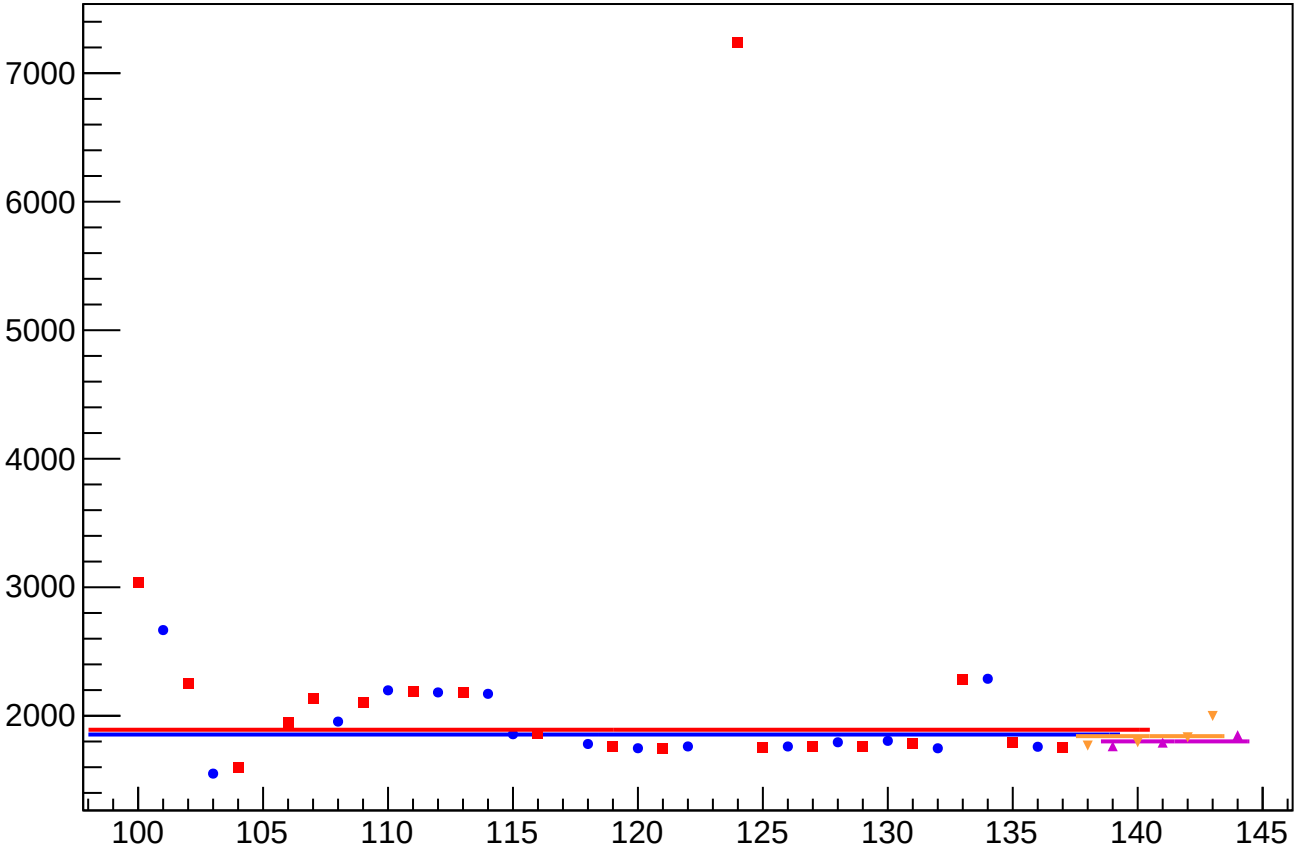
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 3036.431+/-589.139 χ^2/NDF:12.9/18

Out: 1749.702+/-592.466 χ^2/NDF:24.9/22

All: 2396.691+/-417.755 χ^2/NDF: 40.1/41

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

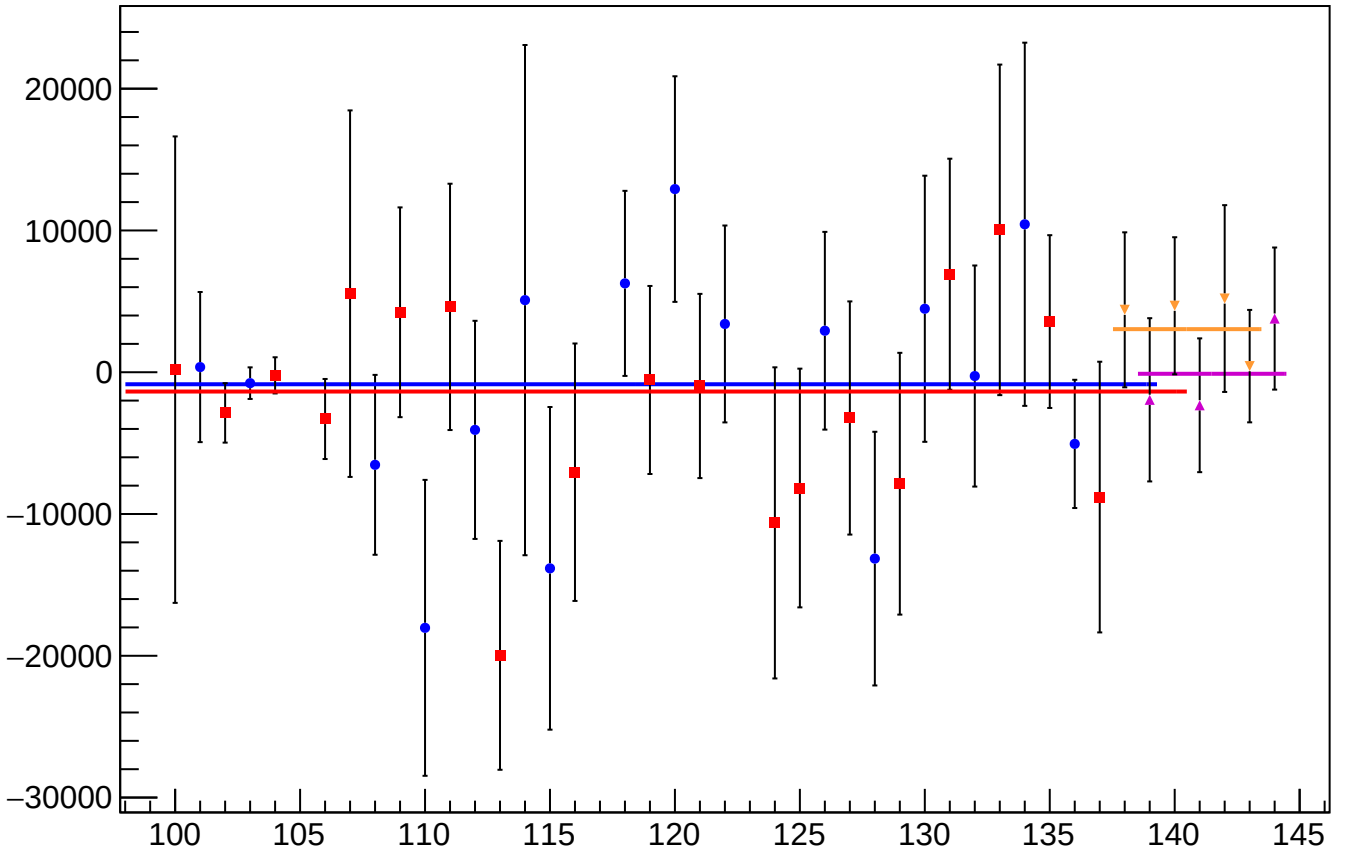
Left: 1821.712+/-0.549 χ^2/NDF: 17411.1/6

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1839.264+/-0.417 χ^2/NDF:268703.8/18

Out: 1876.704+/-0.418 χ^2/NDF:380987.3/22

All: 1857.909+/-0.295 χ^2/NDF: 653713.6/41



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3038.970+/-2477.614 χ^2/NDF:0.7/3

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: -109.711+/-2950.100 χ^2/NDF:0.9/2

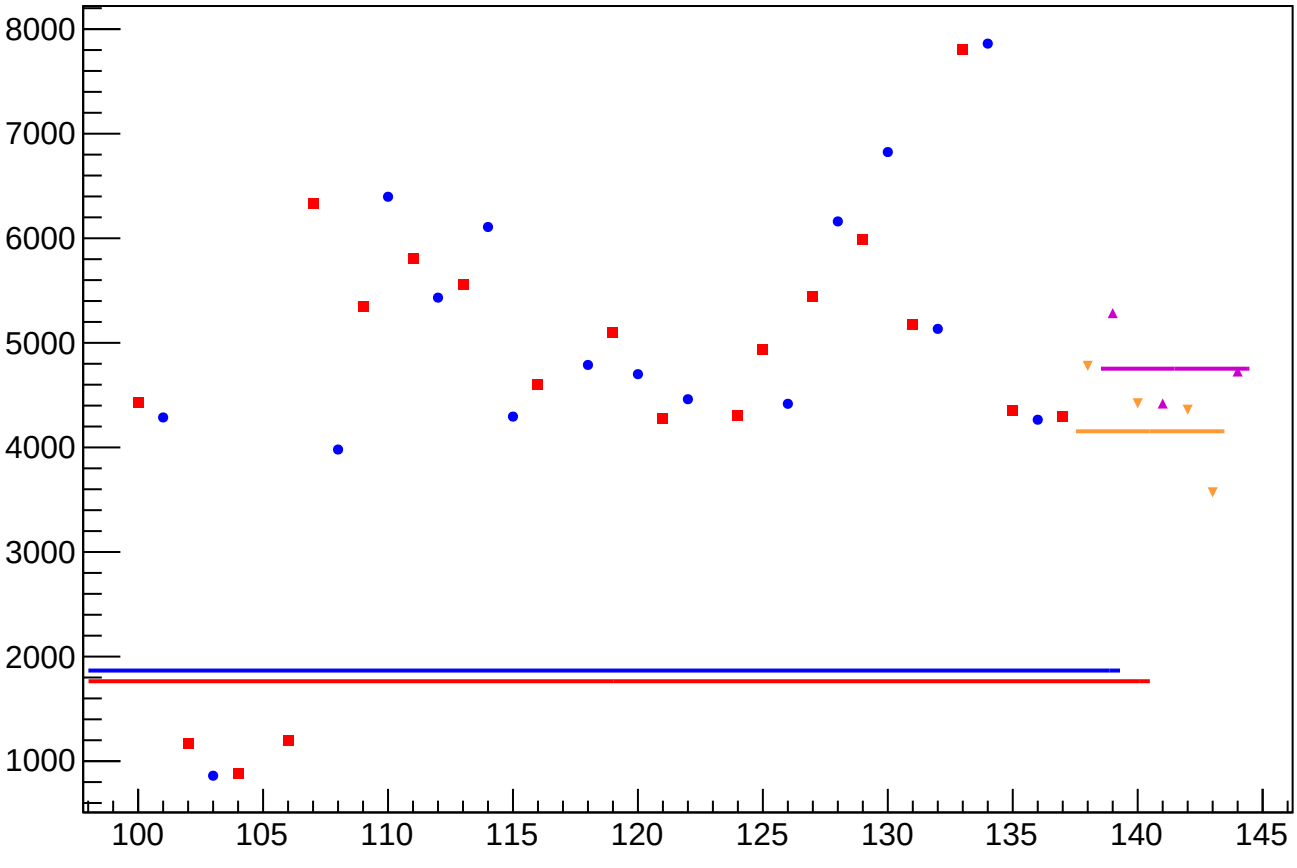
Left: 1736.662+/-1897.270 χ^2/NDF: 2.3/6

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -776.896+/-915.391 χ^2/NDF:14.8/18

Out: -832.442+/-859.100 χ^2/NDF:17.5/22

All: -806.429+/-626.431 χ^2/NDF: 32.4/41



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4154.354+/-1.752 χ^2/NDF:77641.9/3

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4753.019+/-2.086 χ^2/NDF:27050.1/2

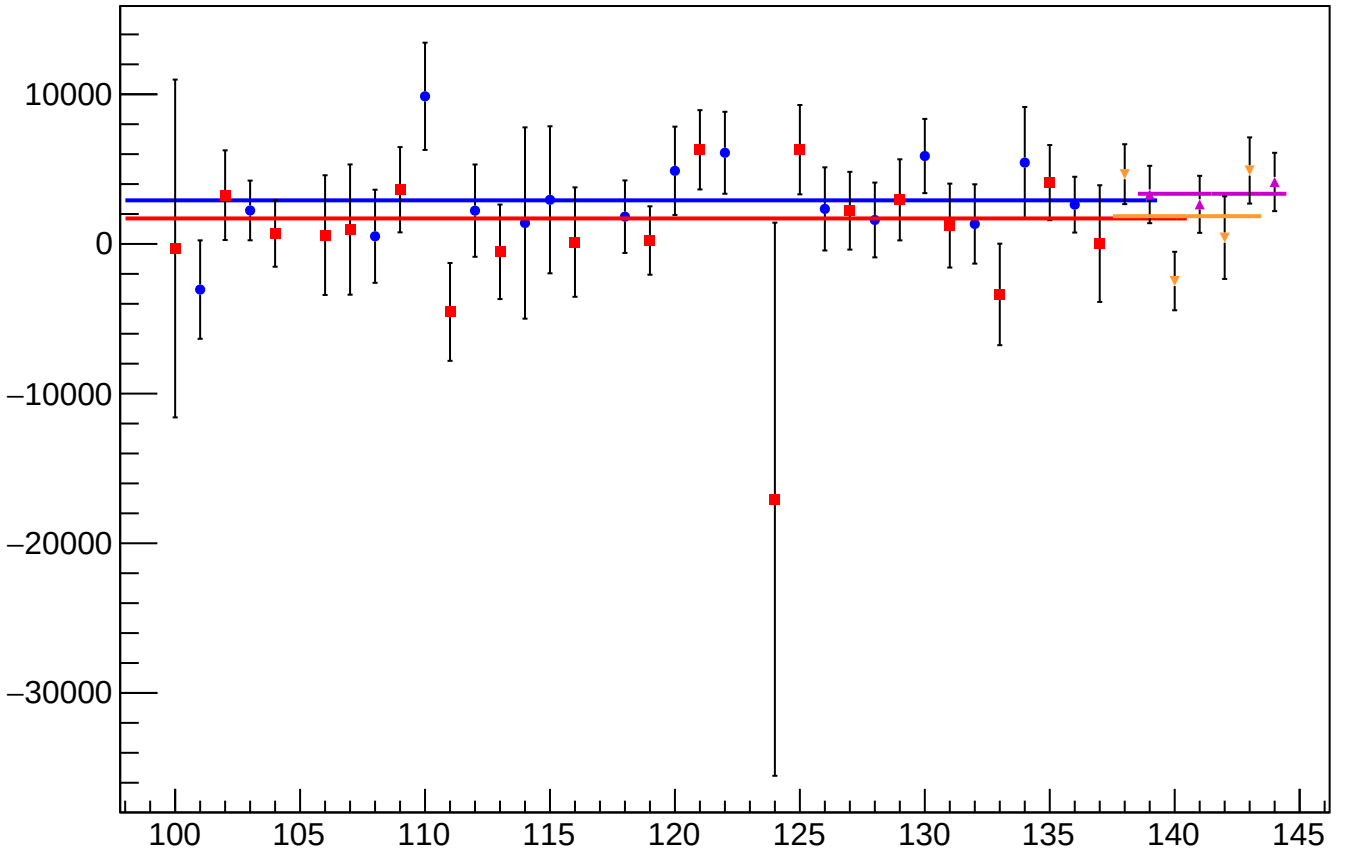
Left: 4401.964+/-1.342 χ^2/NDF: 152988.5/6

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2144.331+/-0.647 χ^2/NDF:8607171.9/18

Out: 2051.645+/-0.607 χ^2/NDF:8149842.0/22

All: 2095.050+/-0.443 χ^2/NDF: 16767915.8/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.438+/-1086.318 χ^2/NDF:9.1/3

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 3351.674+/-1110.271 χ^2/NDF:0.3/2

Left: 2587.242+/-776.473 χ^2/NDF: 10.3/6

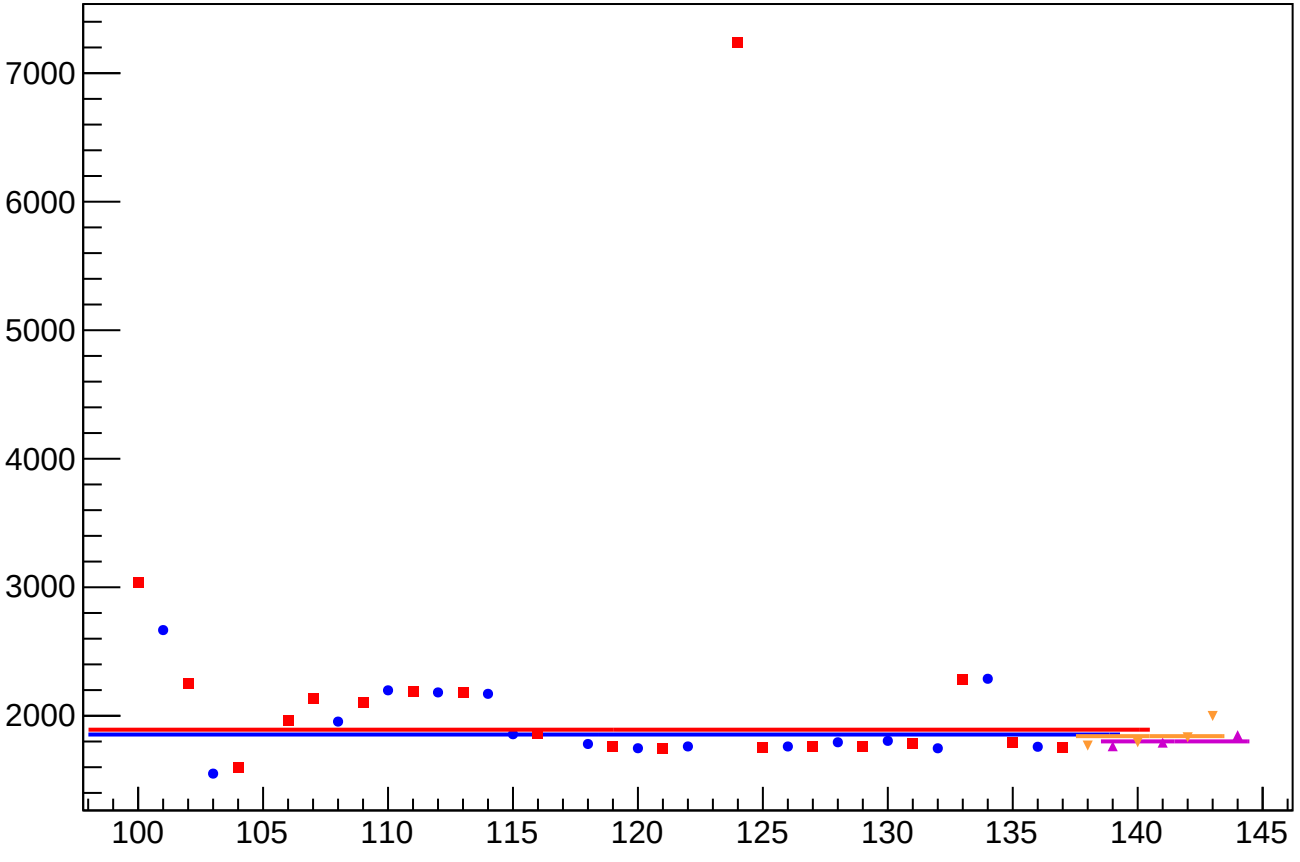
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 3036.580+/-589.139 χ^2/NDF:12.9/18

Out: 1748.710+/-592.467 χ^2/NDF:24.9/22

All: 2396.273+/-417.756 χ^2/NDF: 40.1/41

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

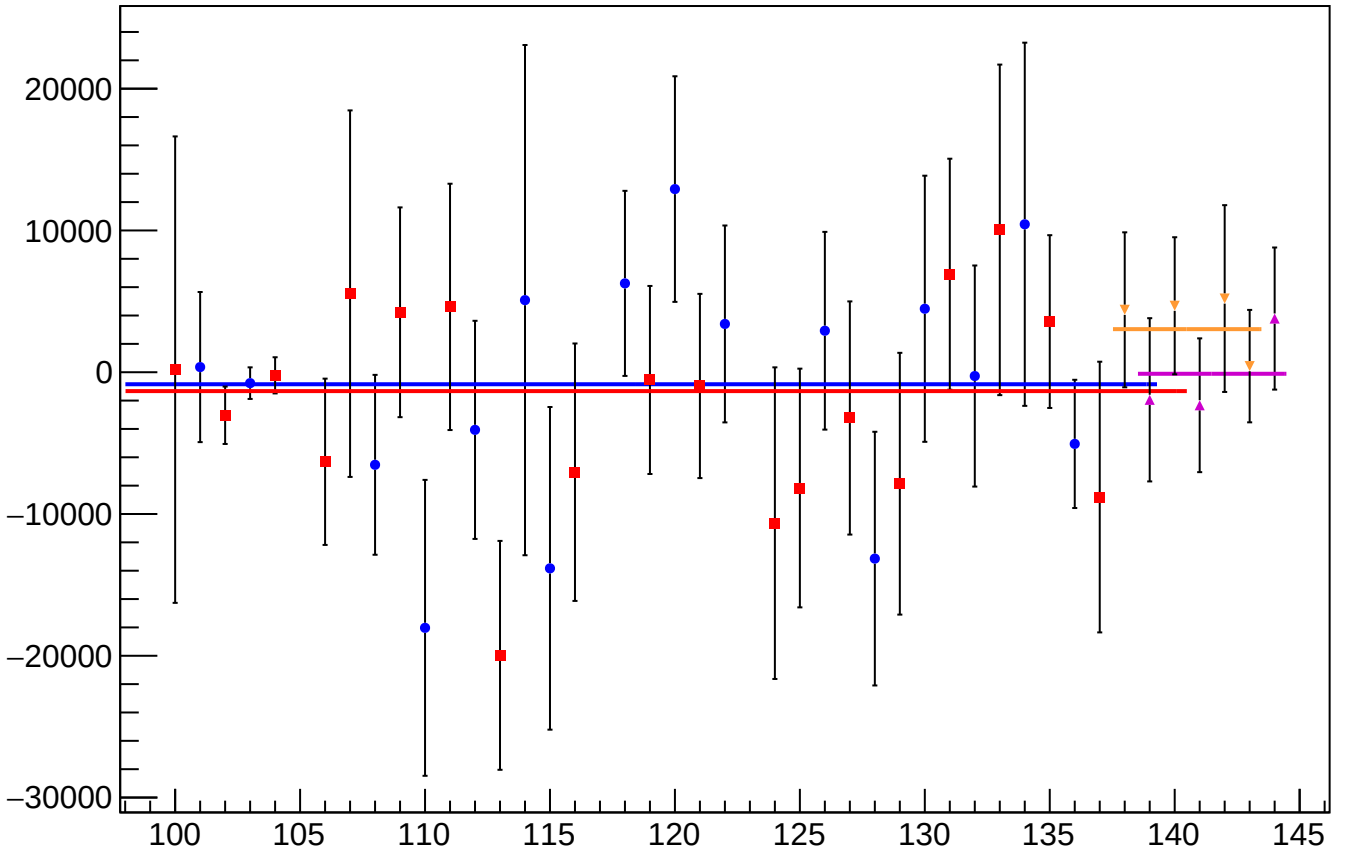
Left: 1821.712+/-0.549 χ^2/NDF: 17411.1/6

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1839.264+/-0.417 χ^2/NDF:268703.6/18

Out: 1877.022+/-0.418 χ^2/NDF:381283.2/22

All: 1858.064+/-0.295 χ^2/NDF: 654077.2/41



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3038.826+/-2477.602 χ^2/NDF:0.7/3

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -109.483+/-2950.096 χ^2/NDF:0.9/2

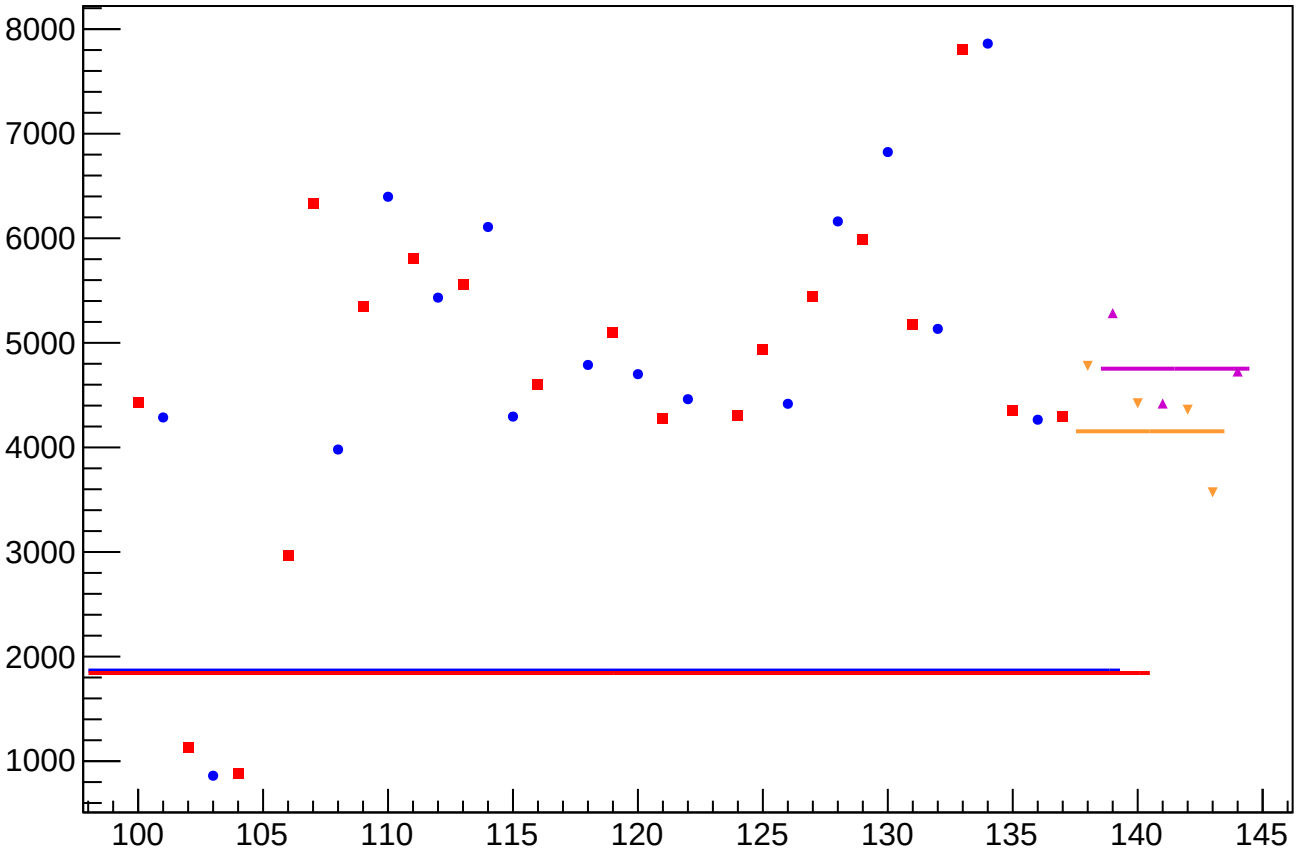
Left: 1736.678+/-1897.264 χ^2/NDF: 2.3/6

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -776.453+/-915.345 χ^2/NDF:14.8/18

Out: -773.098+/-885.533 χ^2/NDF:17.9/22

All: -774.720+/-636.445 χ^2/NDF: 32.7/41



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4154.332+/-1.752 χ^2/NDF:77645.9/3

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4753.011+/-2.086 χ^2/NDF:27050.8/2

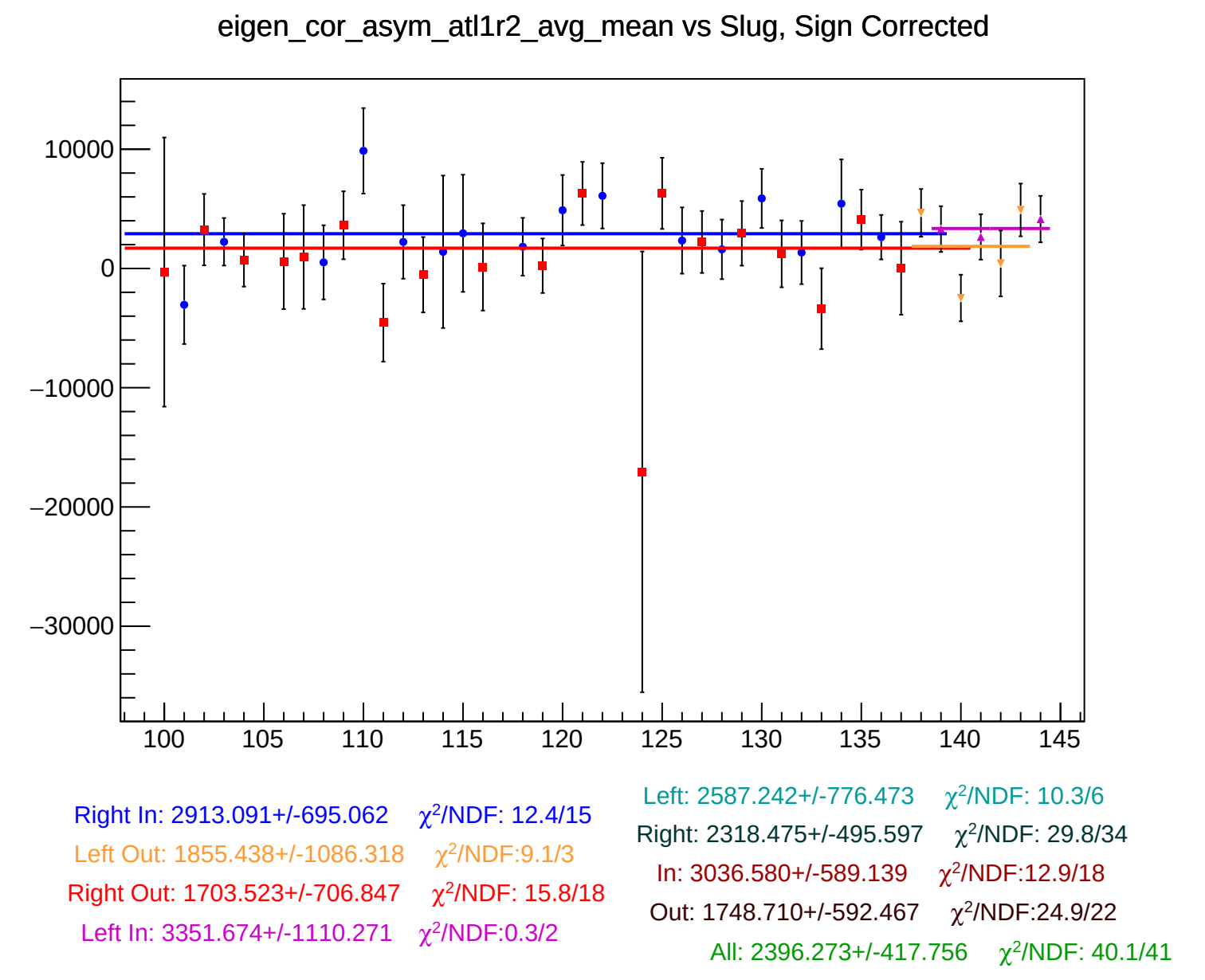
Left: 4401.947+/-1.342 χ^2/NDF: 152995.7/6

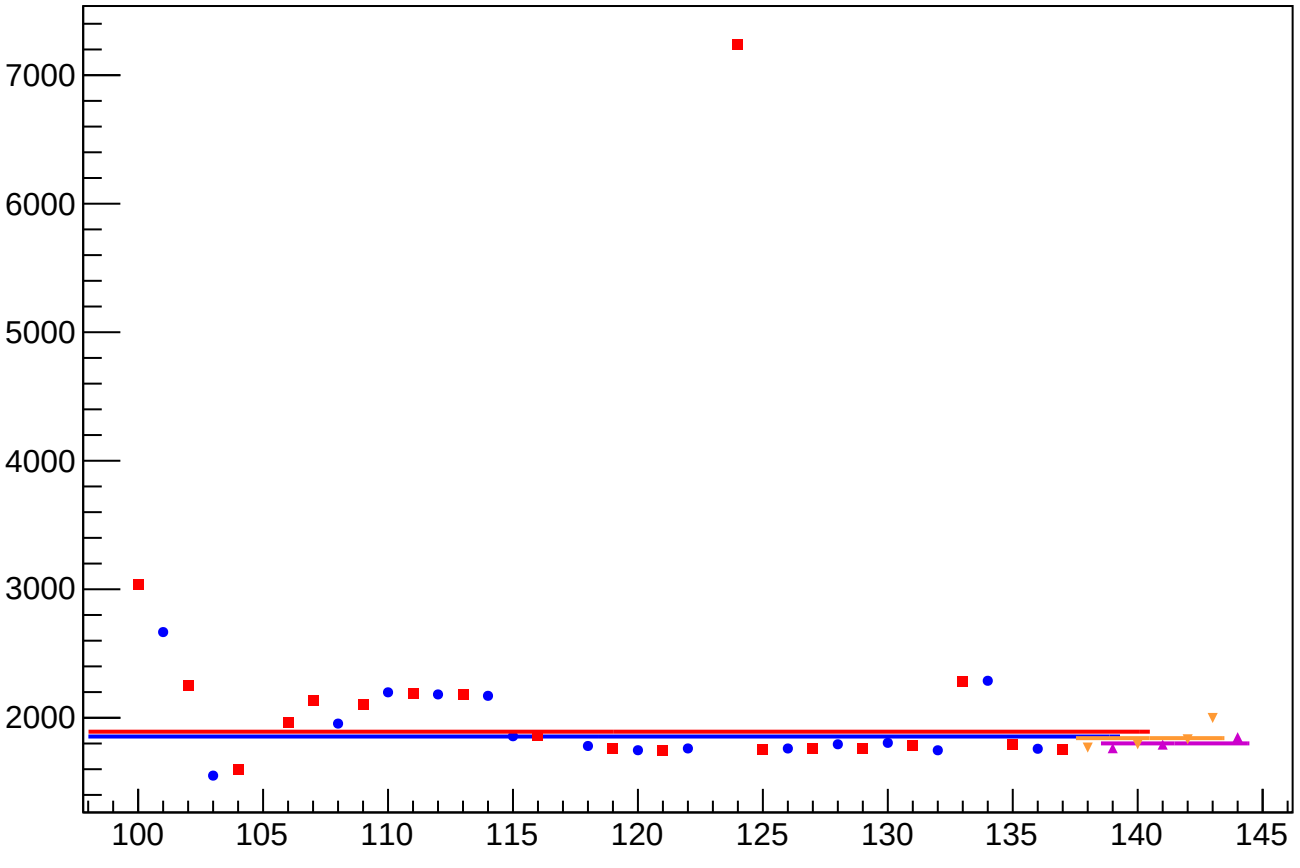
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2144.164+/-0.647 χ^2/NDF:8607793.4/18

Out: 2138.160+/-0.626 χ^2/NDF:8054476.9/22

All: 2141.063+/-0.450 χ^2/NDF: 16662314.8/4


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1855.438+/-1086.318 χ²/NDF:9.1/3
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 3351.674+/-1110.271 χ²/NDF:0.3/2
Left: 2587.242+/-776.473 χ²/NDF: 10.3/6
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 3036.580+/-589.139 χ²/NDF:12.9/18
Out: 1748.710+/-592.467 χ²/NDF:24.9/22
All: 2396.273+/-417.756 χ²/NDF: 40.1/41



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1800.864+/-0.785 χ^2/NDF:2051.0/2

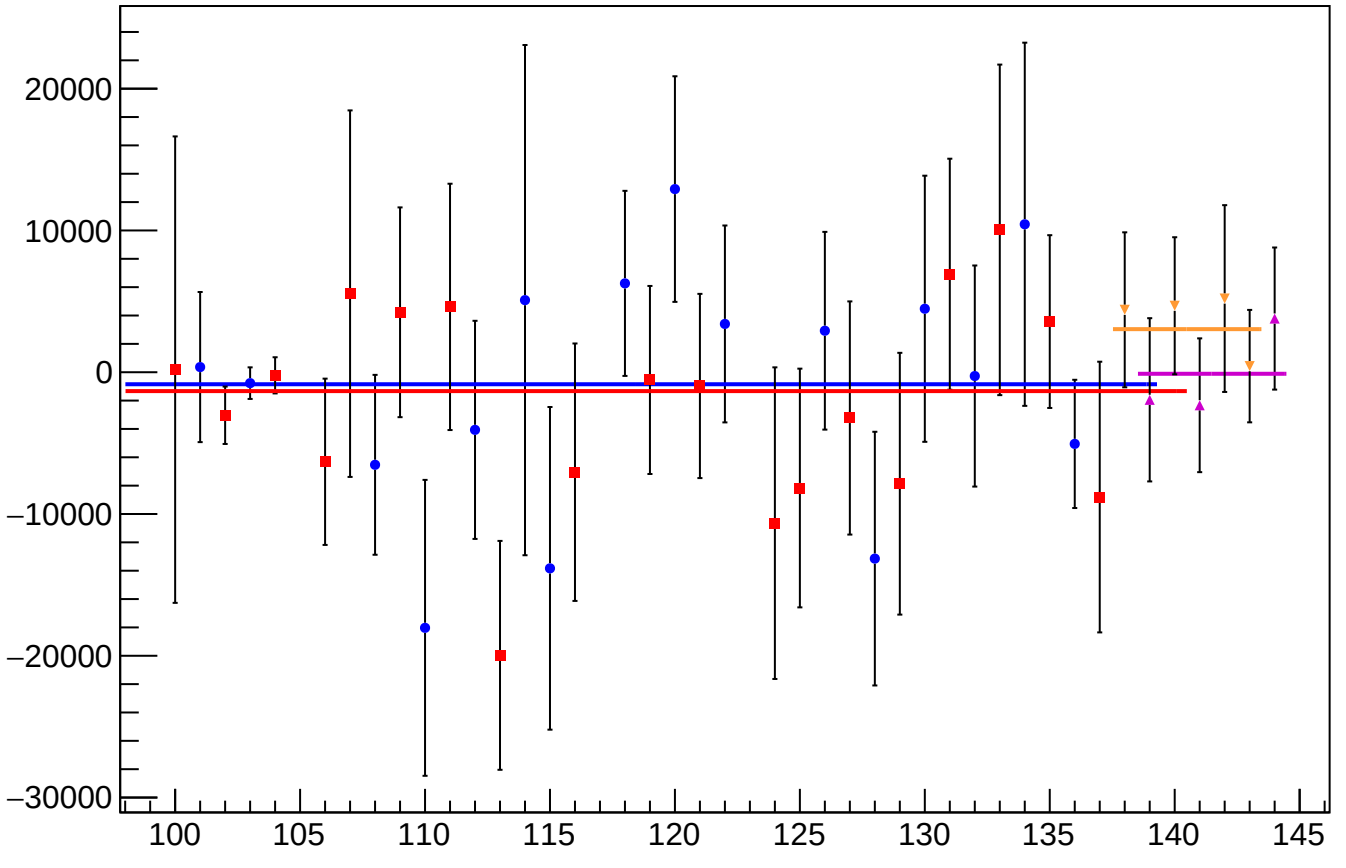
Left: 1821.712+/-0.549 χ^2/NDF: 17411.1/6

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1839.264+/-0.417 χ^2/NDF:268703.6/18

Out: 1877.022+/-0.418 χ^2/NDF:381283.2/22

All: 1858.064+/-0.295 χ^2/NDF: 654077.2/41



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3038.826+/-2477.602 χ^2/NDF:0.7/3

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -109.483+/-2950.096 χ^2/NDF:0.9/2

Left: 1736.678+/-1897.264 χ^2/NDF: 2.3/6

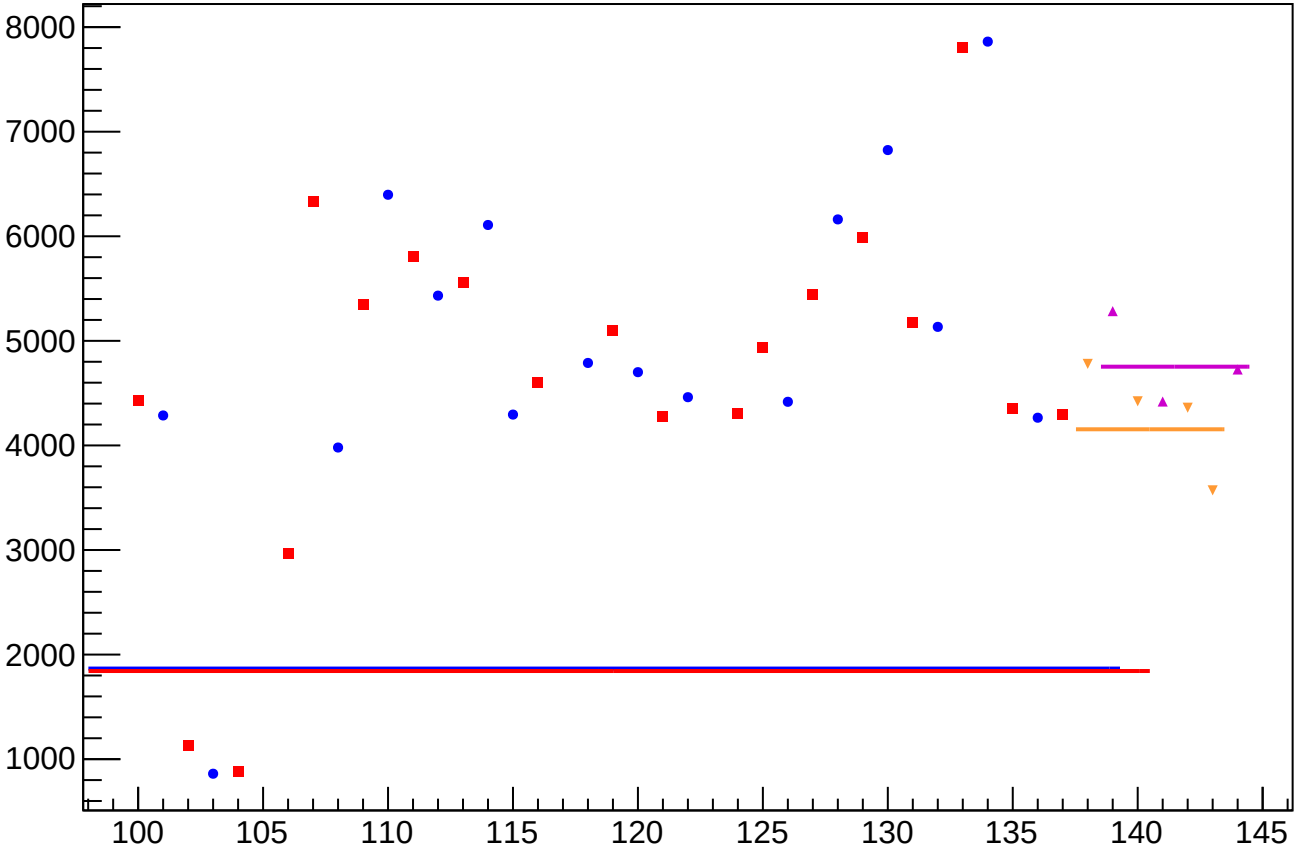
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -776.453+/-915.345 χ^2/NDF:14.8/18

Out: -773.098+/-885.533 χ^2/NDF:17.9/22

All: -774.720+/-636.445 χ^2/NDF: 32.7/41

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: 4154.332+/-1.752 χ^2/NDF:77645.9/3

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4753.011+/-2.086 χ^2/NDF:27050.8/2

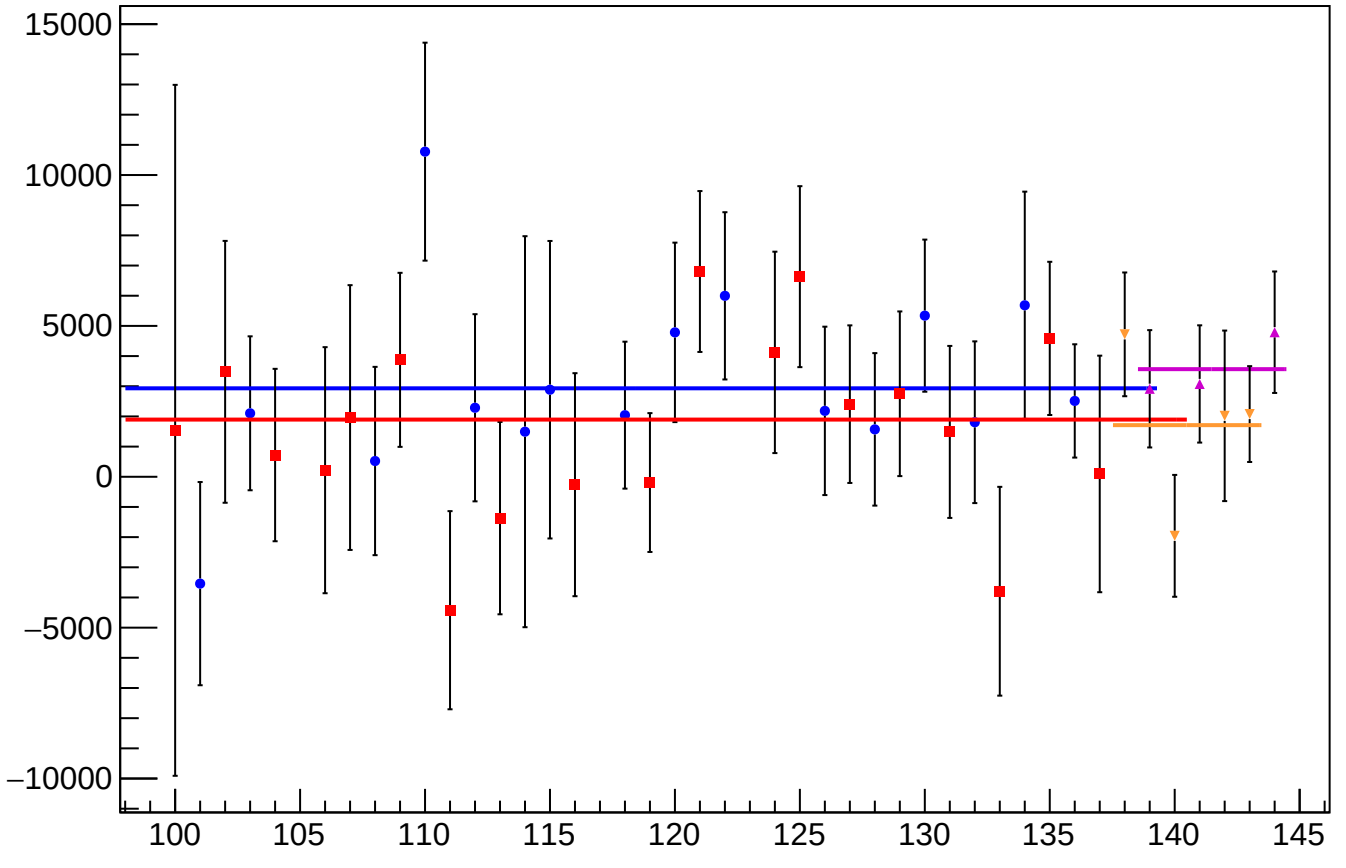
Left: 4401.947+/-1.342 χ^2/NDF: 152995.7/6

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2144.164+/-0.647 χ^2/NDF:8607793.4/18

Out: 2138.160+/-0.626 χ^2/NDF:8054476.9/22

All: 2141.063+/-0.450 χ^2/NDF: 16662314.8/4



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.331+/-997.538 χ^2/NDF:5.5/3

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 3566.740+/-1135.038 χ^2/NDF:0.5/2

Left: 2519.901+/-749.289 χ^2/NDF: 7.6/6

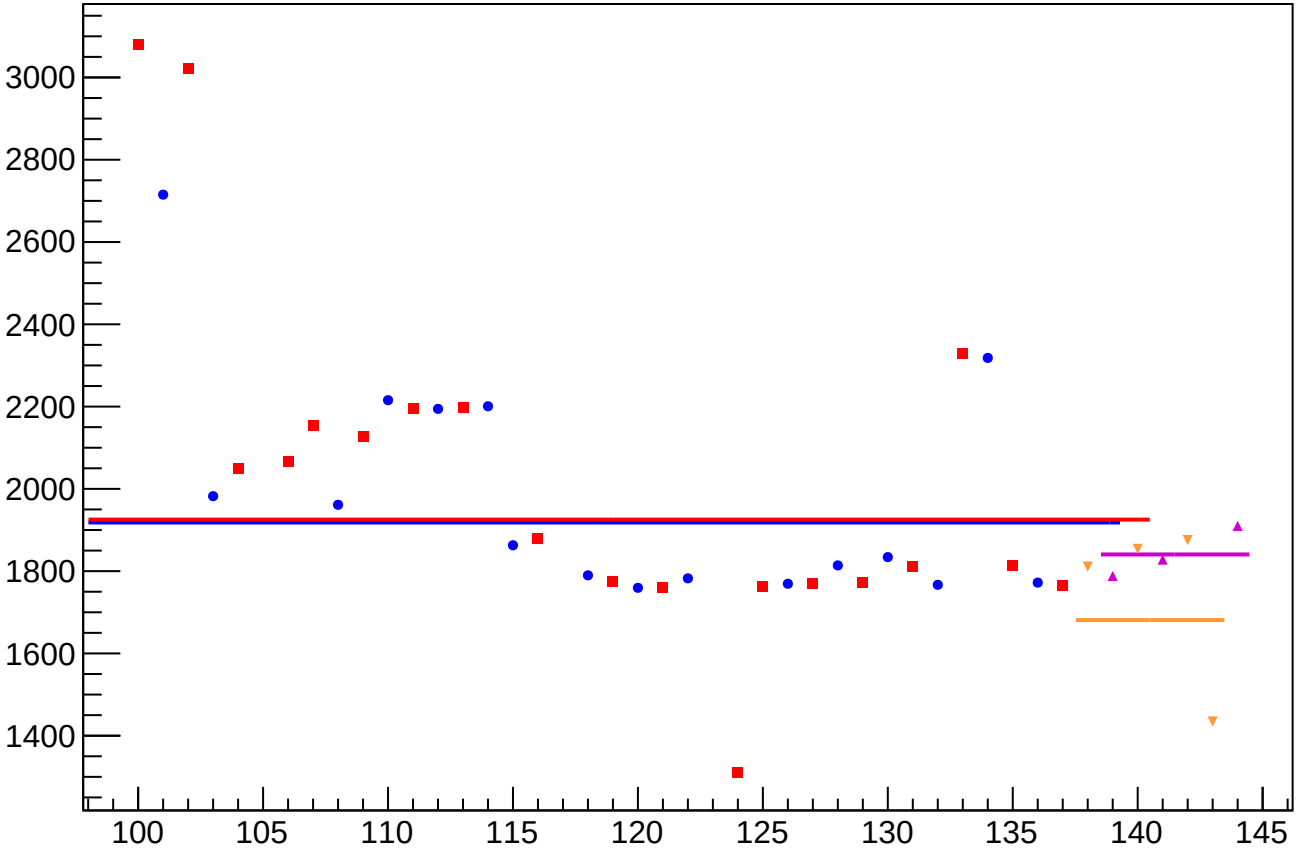
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 3113.294+/-606.972 χ^2/NDF:13.8/18

Out: 1832.195+/-584.852 χ^2/NDF:22.9/22

All: 2448.976+/-421.156 χ^2/NDF: 39.0/41

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.080+/-0.705 χ^2/NDF:80410.2/3

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1840.599+/-0.803 χ^2/NDF:3909.4/2

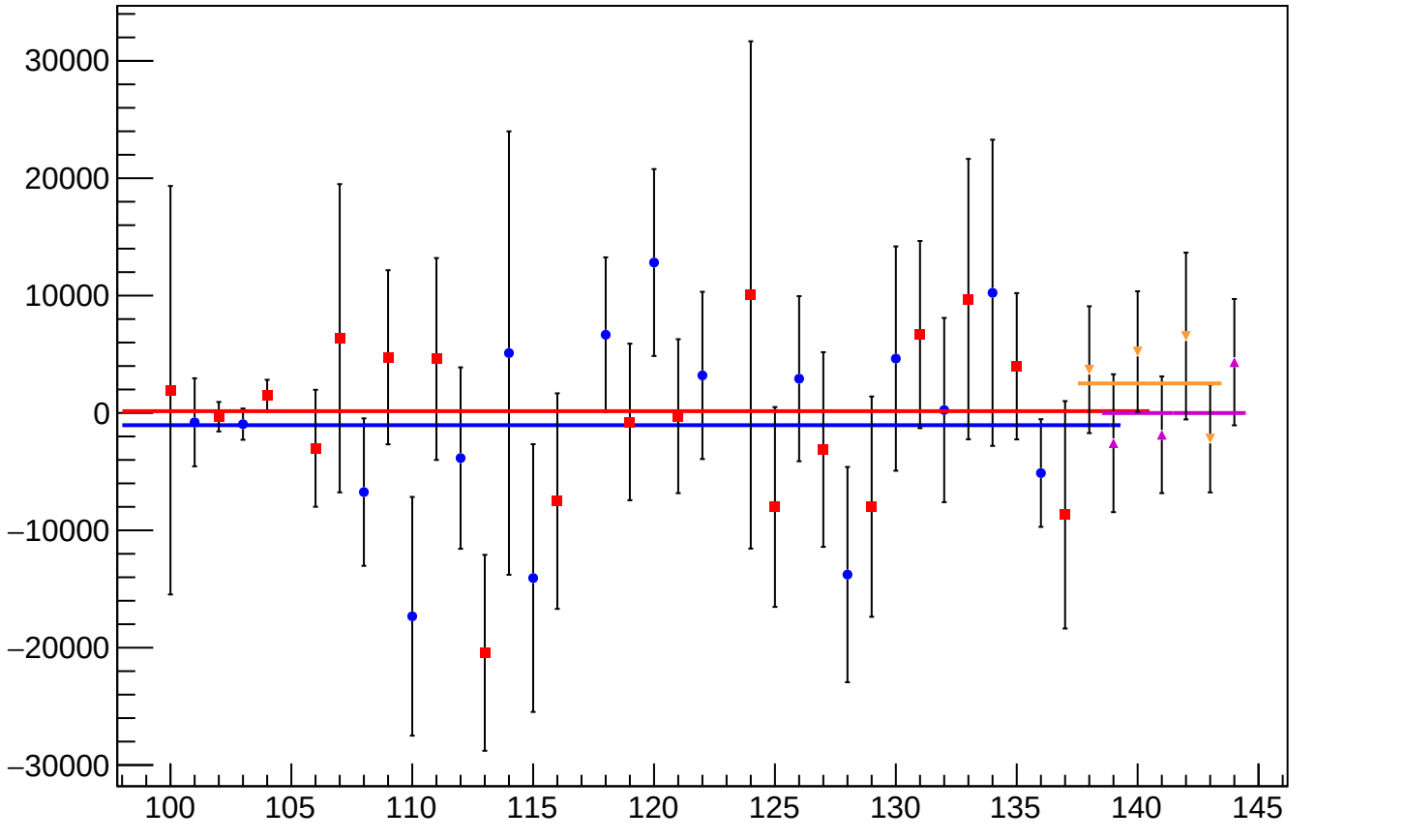
Left: 1750.597+/-0.530 χ^2/NDF: 106608.0/6

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1896.128+/-0.429 χ^2/NDF:226206.0/18

Out: 1841.415+/-0.413 χ^2/NDF:498194.1/22

All: 1867.742+/-0.298 χ^2/NDF: 732831.4/41



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2518.460+/-2678.334 χ^2/NDF:1.7/3

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -4.246+/-3101.919 χ^2/NDF:1.0/2

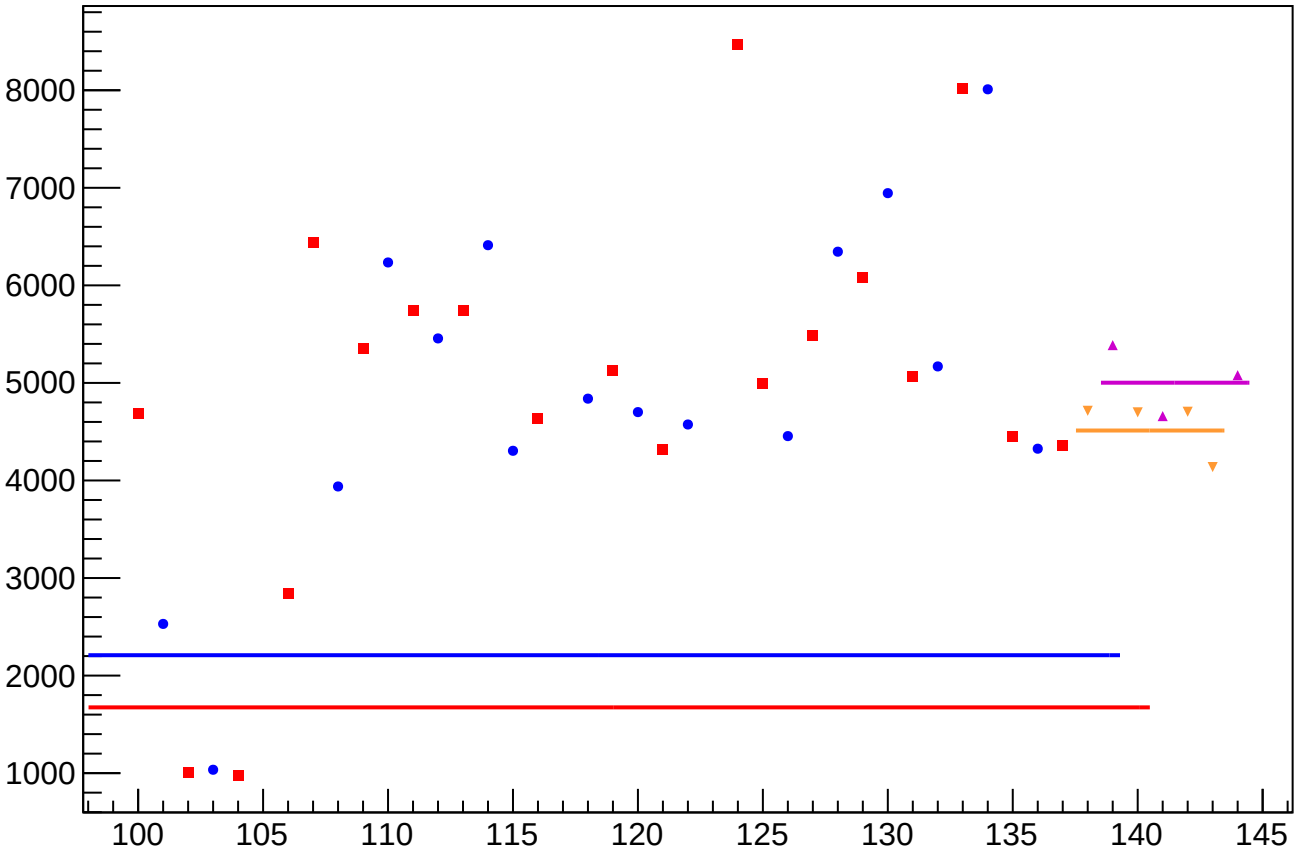
Left: 1440.987+/-2027.217 χ^2/NDF: 3.1/6

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -931.123+/-1013.544 χ^2/NDF:14.9/18

Out: 363.409+/-797.729 χ^2/NDF:16.1/22

All: -131.772+/-626.856 χ^2/NDF: 32.1/41



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4512.126+/-1.894 χ^2/NDF:20213.5/3

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 5002.185+/-2.193 χ^2/NDF:18497.8/2

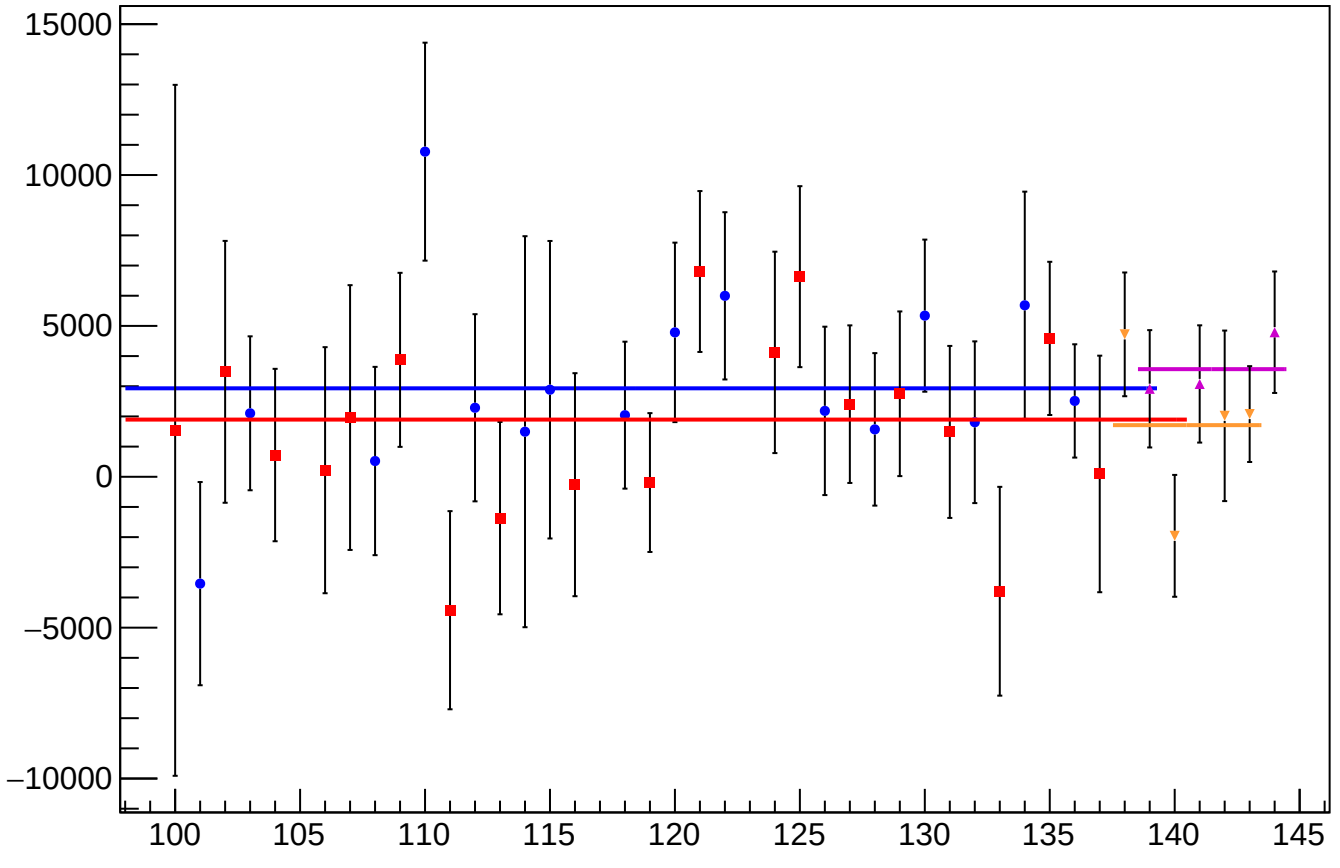
Left: 4721.435+/-1.433 χ^2/NDF: 67309.3/6

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2507.132+/-0.717 χ^2/NDF:6966154.8/18

Out: 1925.923+/-0.564 χ^2/NDF:8919730.5/22

All: 2148.245+/-0.443 χ^2/NDF: 16291988.0/4



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.328+/-997.539 χ^2/NDF:5.5/3

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 3566.729+/-1135.039 χ^2/NDF:0.5/2

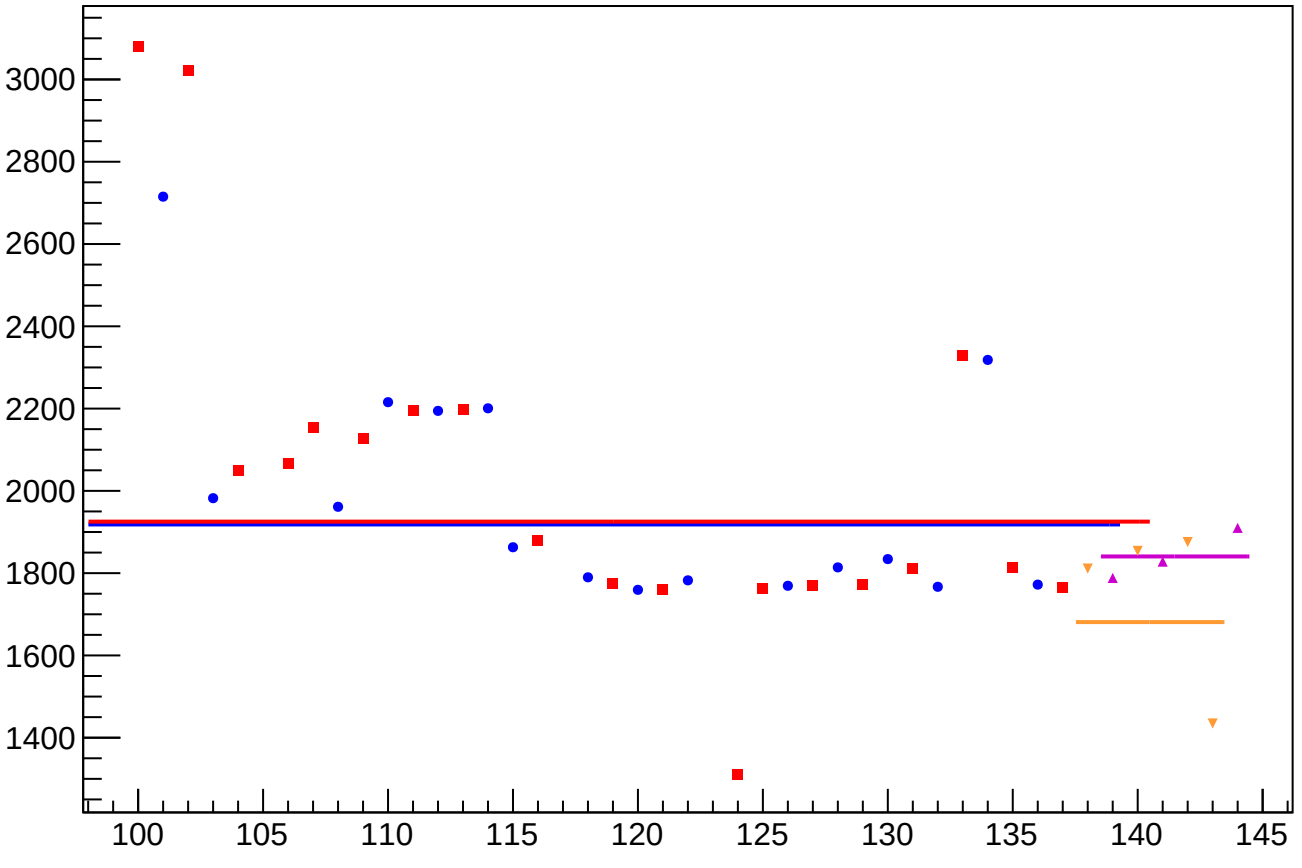
Left: 2519.895+/-749.290 χ^2/NDF: 7.6/6

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 3113.292+/-606.972 χ^2/NDF:13.8/18

Out: 1832.197+/-584.852 χ^2/NDF:22.9/22

All: 2448.977+/-421.156 χ^2/NDF: 39.0/41



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.081+/-0.705 χ^2/NDF:80409.4/3

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1840.600+/-0.803 χ^2/NDF:3909.4/2

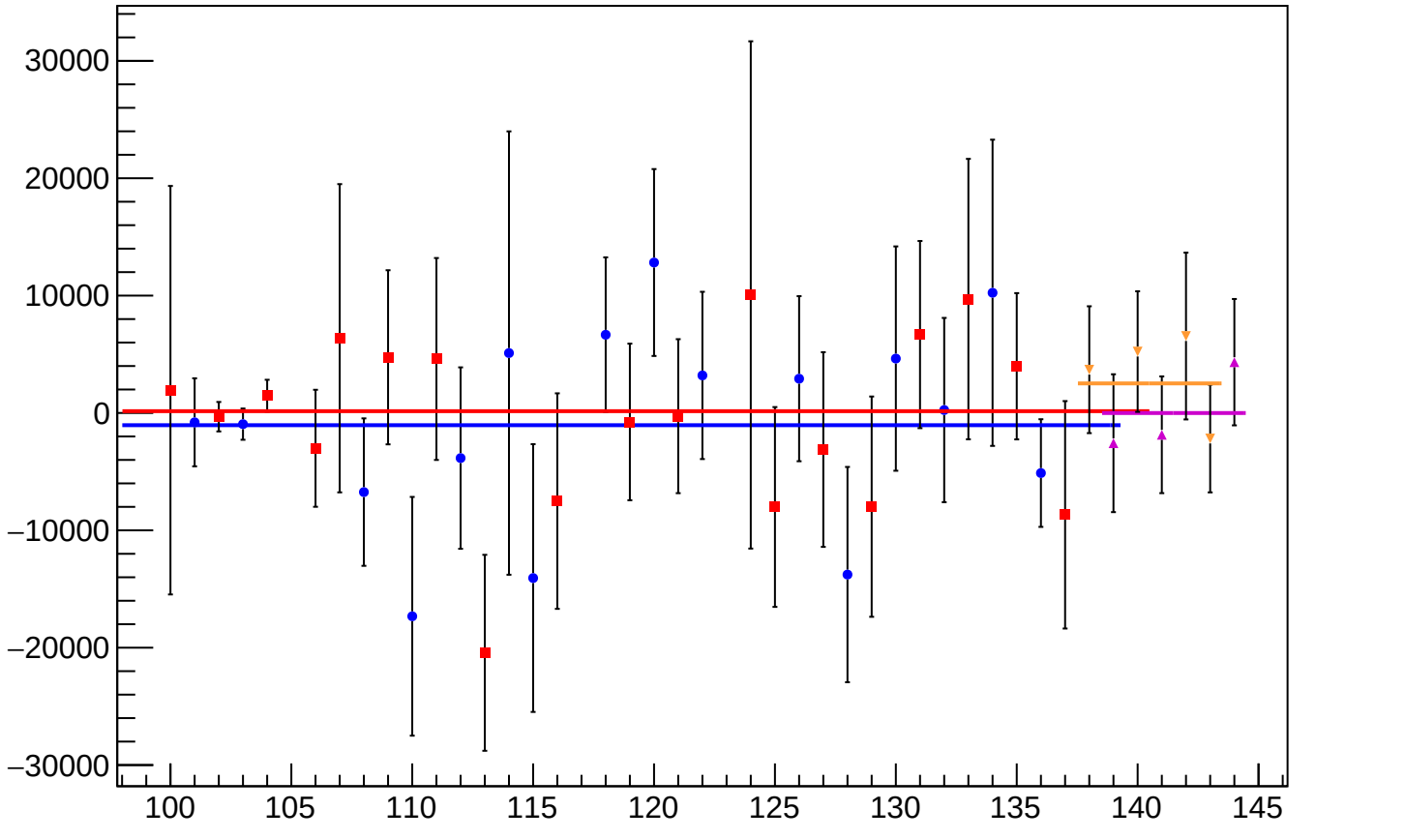
Left: 1750.598+/-0.530 χ^2/NDF: 106606.9/6

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1896.128+/-0.429 χ^2/NDF:226205.9/18

Out: 1841.415+/-0.413 χ^2/NDF:498190.8/22

All: 1867.742+/-0.298 χ^2/NDF: 732828.0/41



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2518.466+/-2678.337 χ^2/NDF:1.7/3

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -4.258+/-3101.922 χ^2/NDF:1.0/2

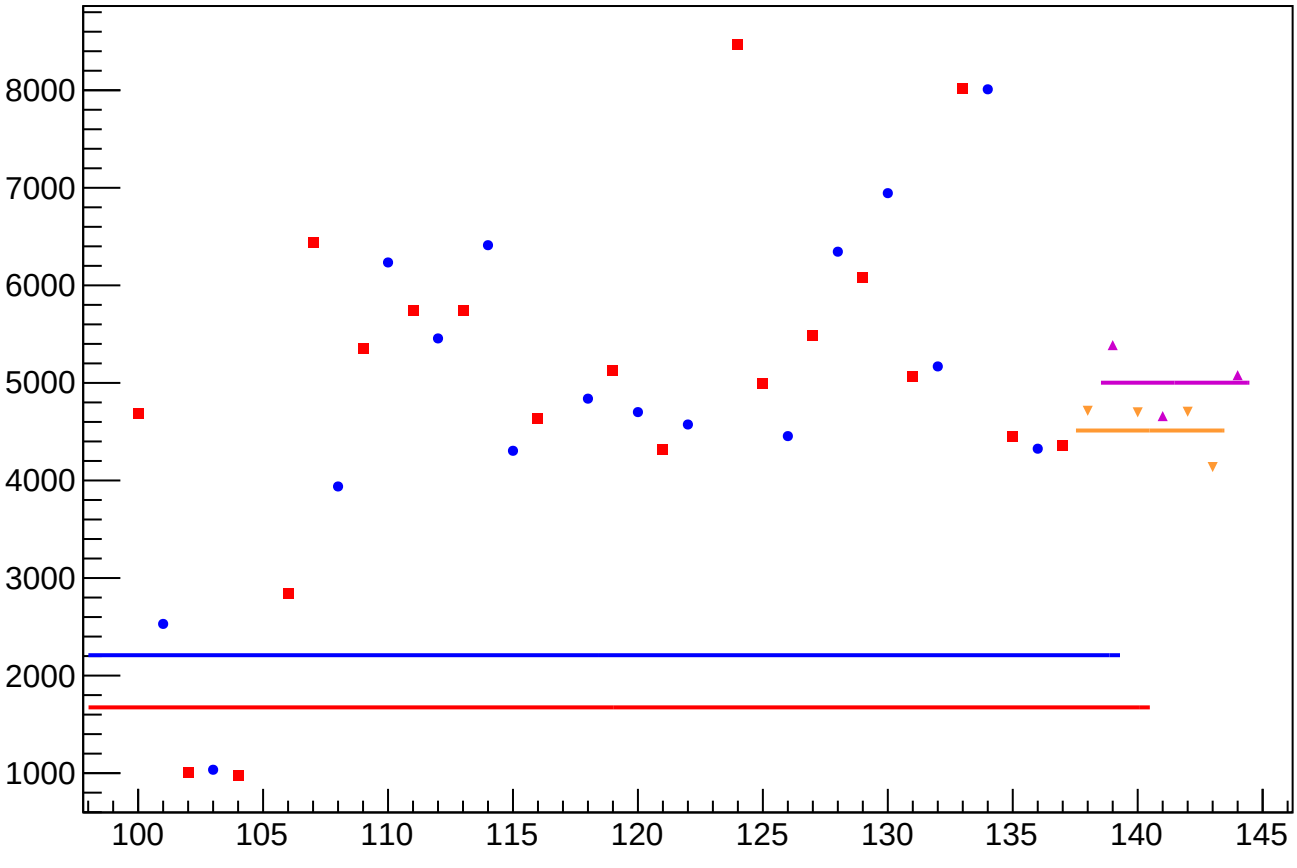
Left: 1440.985+/-2027.220 χ^2/NDF: 3.1/6

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -931.123+/-1013.543 χ^2/NDF:14.9/18

Out: 363.403+/-797.728 χ^2/NDF:16.1/22

All: -131.775+/-626.856 χ^2/NDF: 32.1/41



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4512.132+/-1.894 χ^2/NDF:20212.9/3

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 5002.190+/-2.193 χ^2/NDF:18498.3/2

Left: 4721.441+/-1.433 χ^2/NDF: 67309.1/6

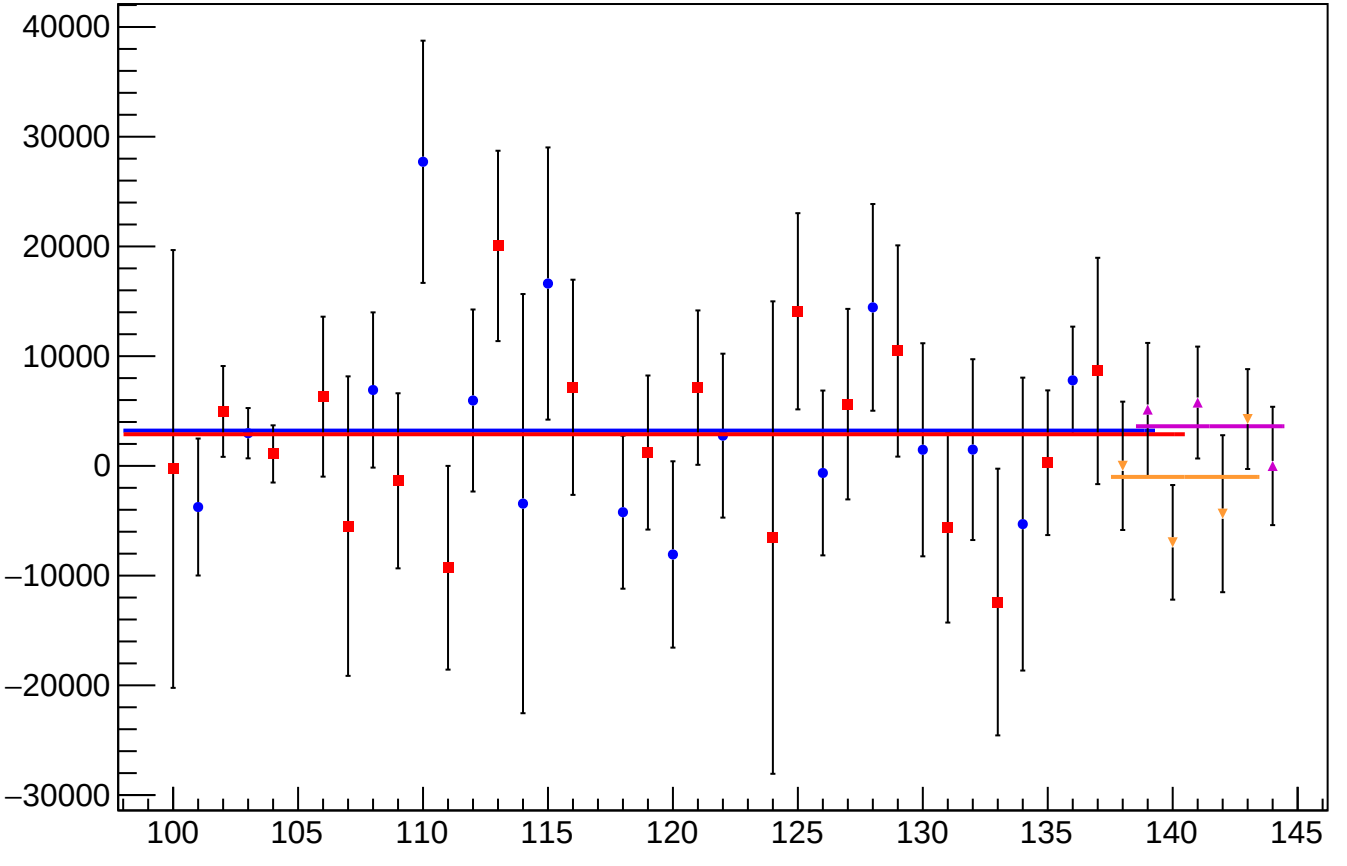
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2507.131+/-0.717 χ^2/NDF:6966151.4/18

Out: 1925.922+/-0.564 χ^2/NDF:8919726.2/22

All: 2148.244+/-0.443 χ^2/NDF: 16291979.9/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1004.520+/-2734.795 χ^2/NDF:2.9/3

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 3611.967+/-3162.730 χ^2/NDF:0.7/2

Left: 970.498+/-2068.673 χ^2/NDF: 4.8/6

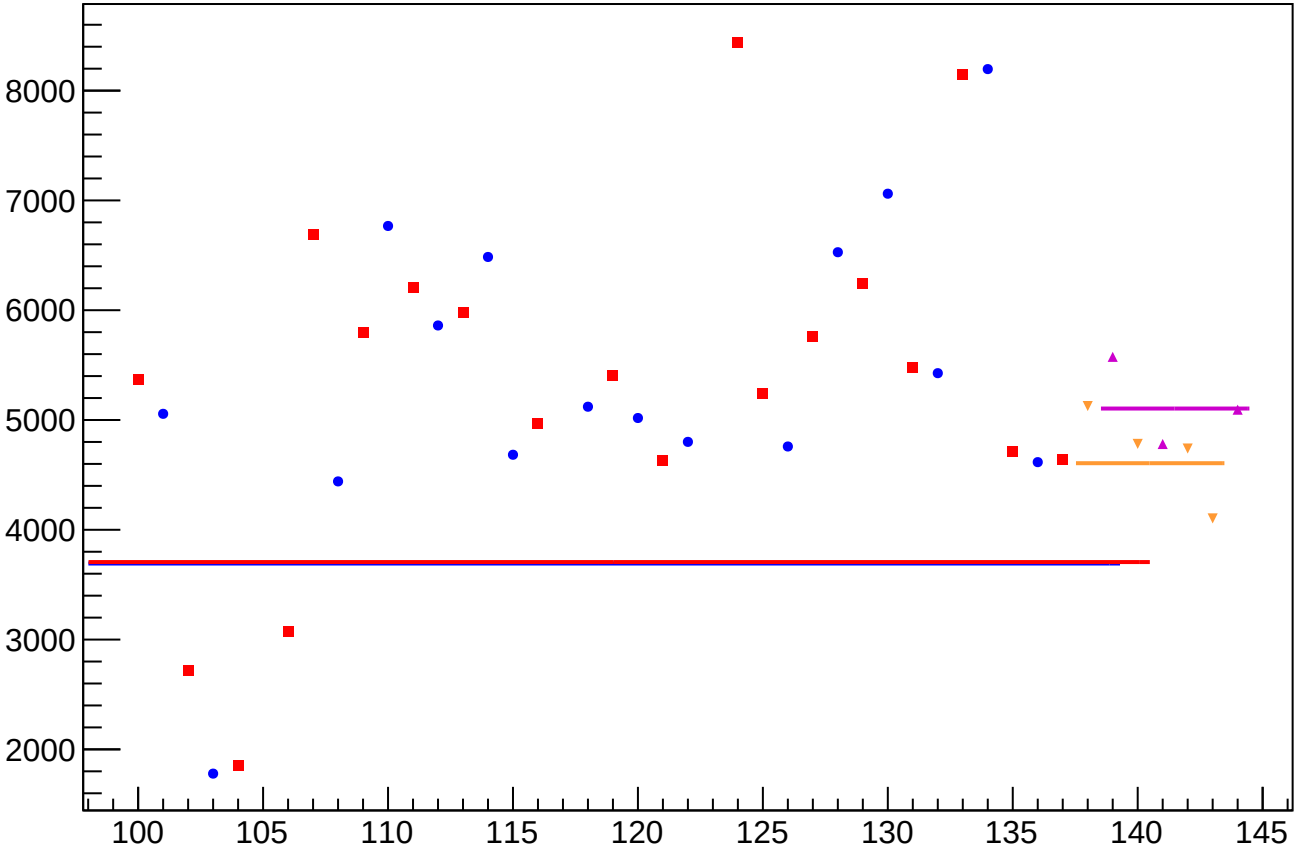
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3291.582+/-1384.049 χ^2/NDF:14.5/18

Out: 1936.187+/-1349.870 χ^2/NDF:17.8/22

All: 2596.943+/-966.360 χ^2/NDF: 32.8/41

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4606.485+/-1.934 χ^2/NDF:43214.6/3

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5104.332+/-2.236 χ^2/NDF:20062.3/2

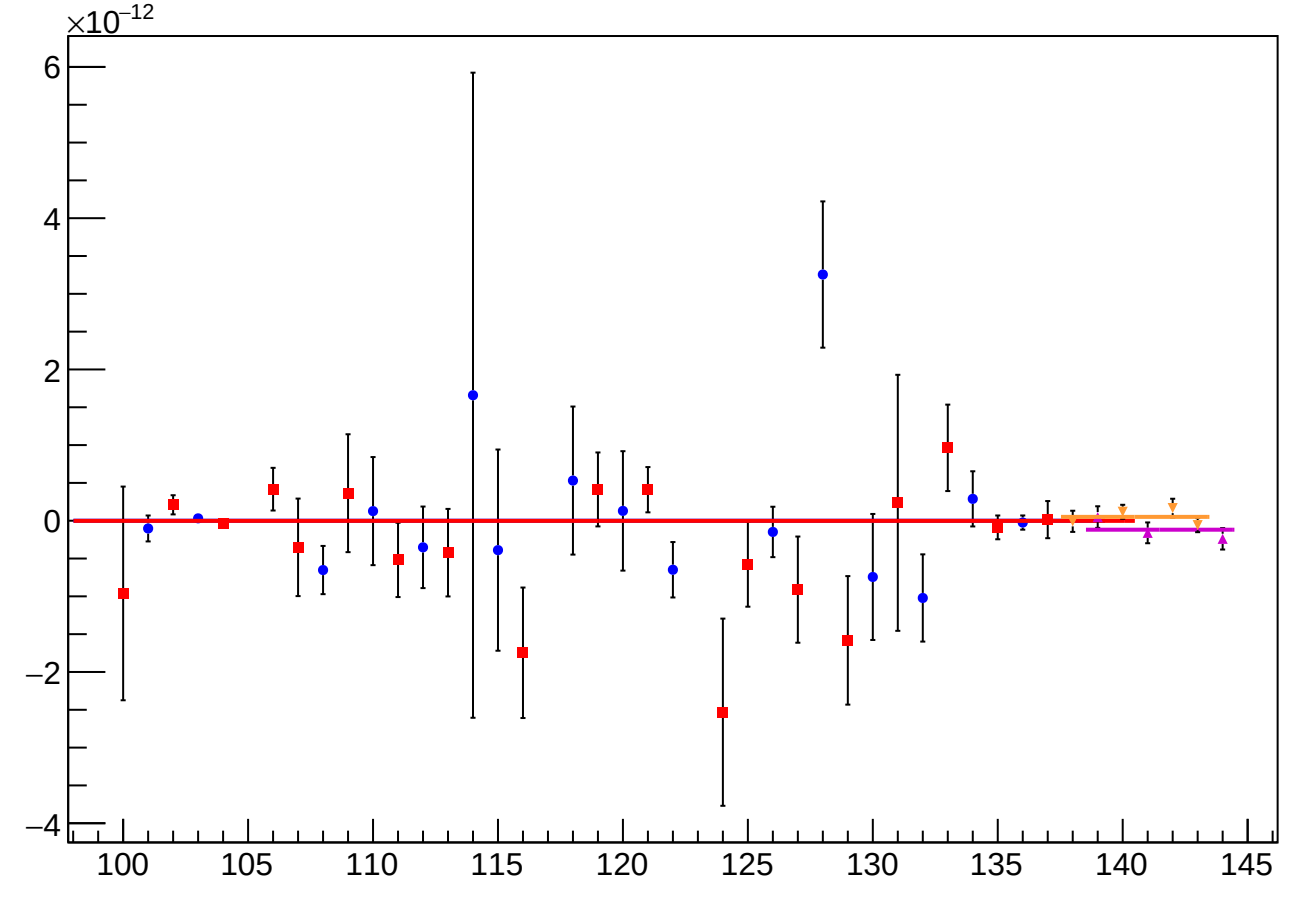
Left: 4819.473+/-1.463 χ^2/NDF: 91632.1/6

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 3963.127+/-0.979 χ^2/NDF:3227794.3/18

Out: 3922.136+/-0.947 χ^2/NDF:2892518.9/22

All: 3941.963+/-0.681 χ^2/NDF: 6121219.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/2

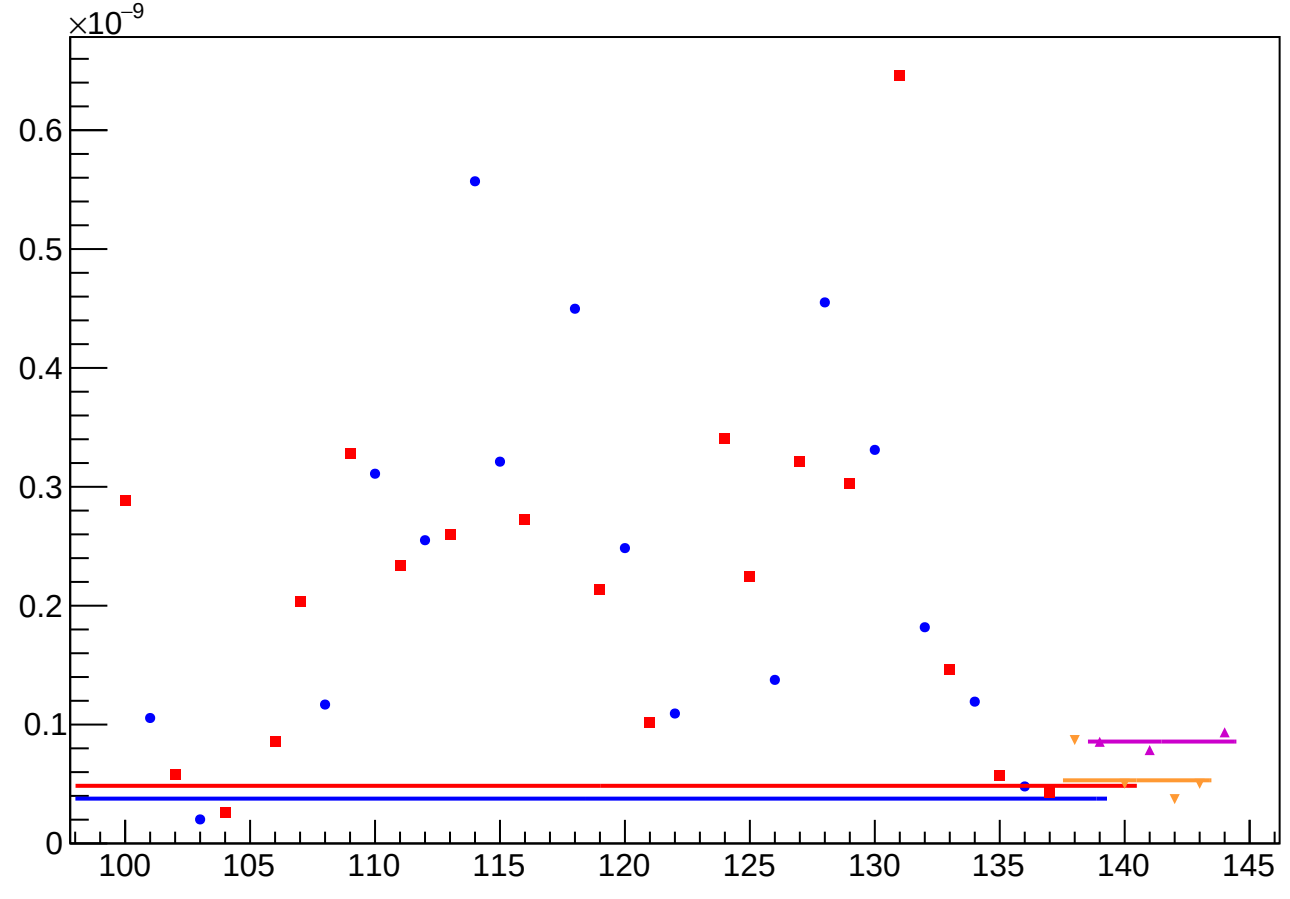
Left: -0.000+/-0.000 χ^2/NDF: 8.2/6

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:29.4/18

Out: 0.000+/-0.000 χ^2/NDF:31.8/22

All: -0.000+/-0.000 χ^2/NDF: 61.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:154161.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11426.3/2

Left: 0.000+/-0.000 χ^2/NDF: 390327.6/6

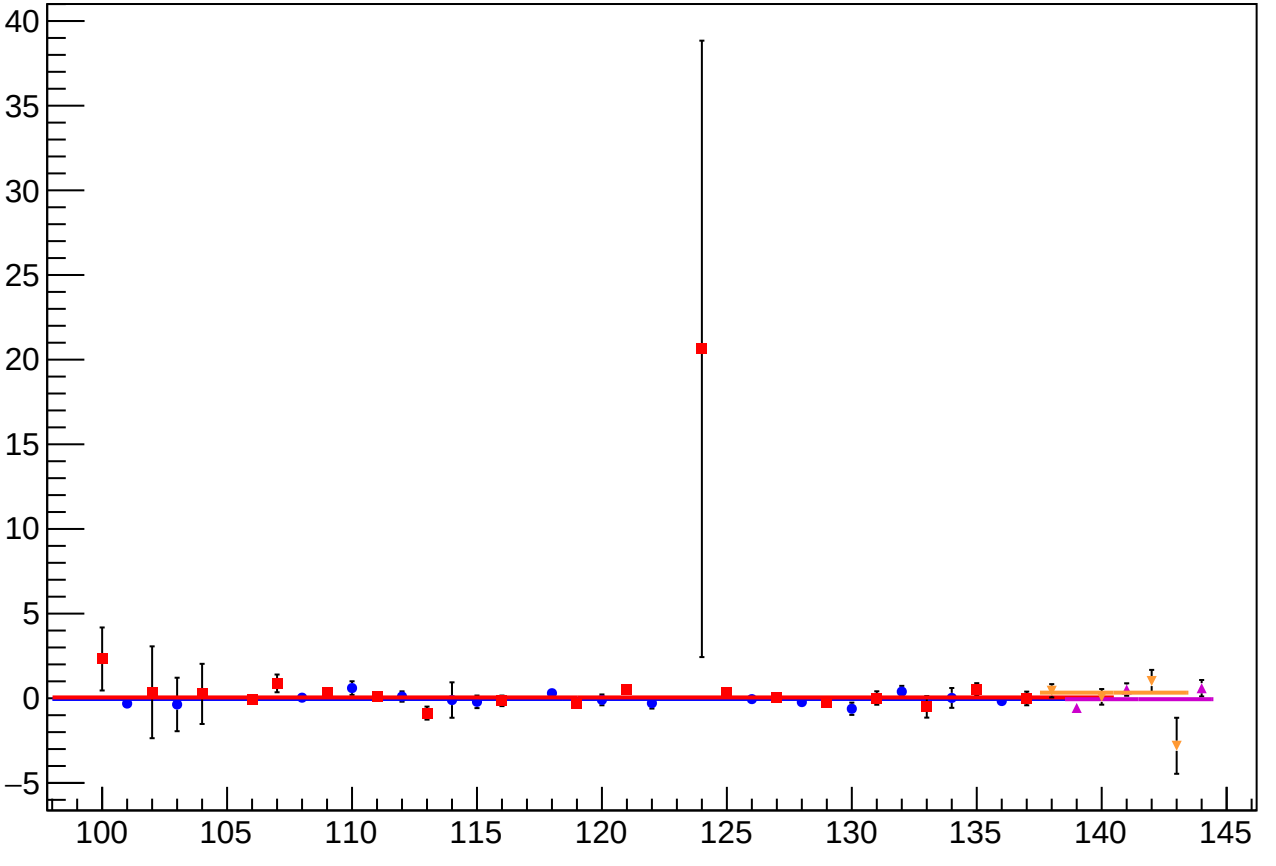
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3734326.3/18

Out: 0.000+/-0.000 χ^2/NDF:3058368.1/22

All: 0.000+/-0.000 χ^2/NDF: 6811923.2/41

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.055+/-0.200 χ^2/NDF:7.8/2

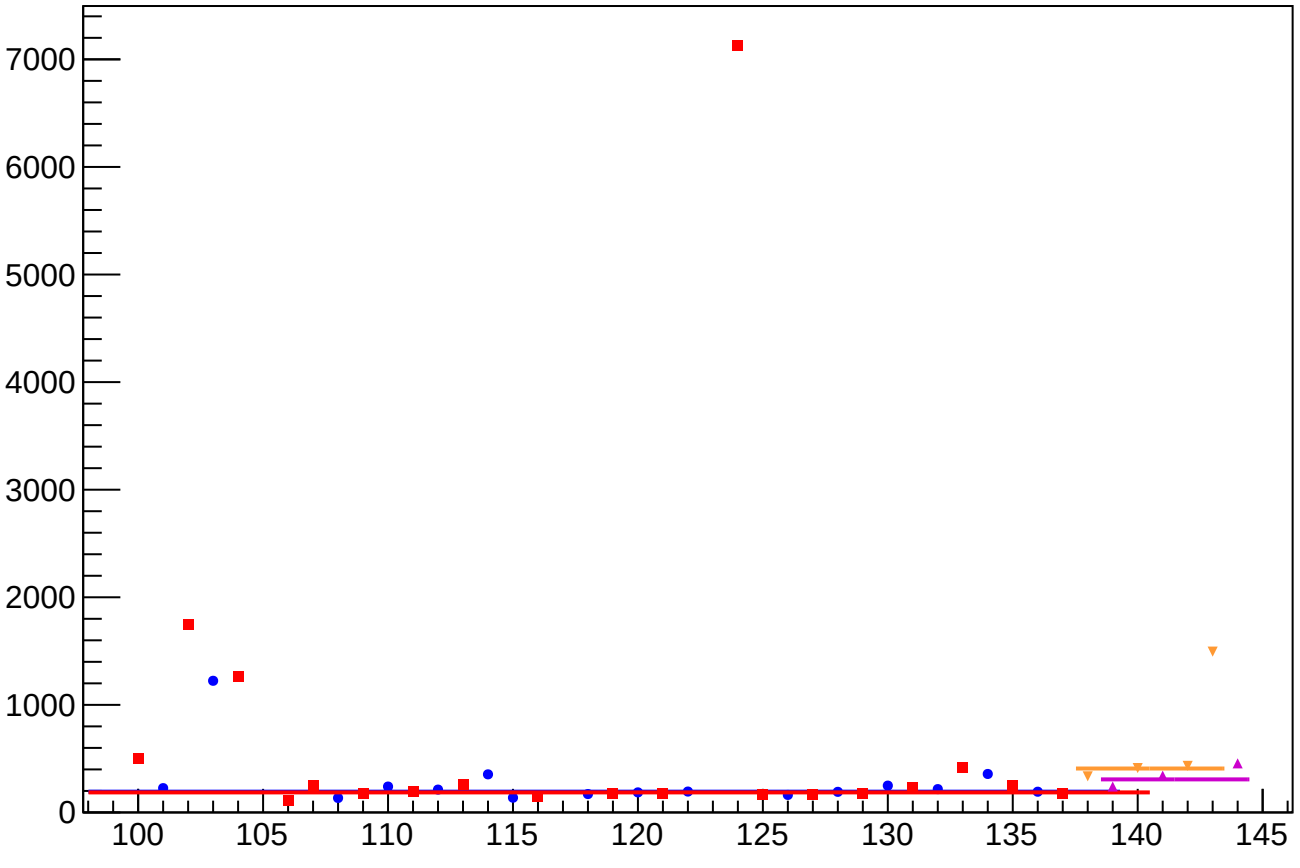
Left: 0.082+/-0.160 χ^2/NDF: 14.2/6

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.072 χ^2/NDF:19.5/18

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.012+/-0.052 χ^2/NDF: 49.8/41



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 408.443+/-0.190 χ^2/NDF:934049.4/3

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.345+/-0.141 χ^2/NDF:325478.2/2

Left: 343.292+/-0.113 χ^2/NDF: 1442047.1/6

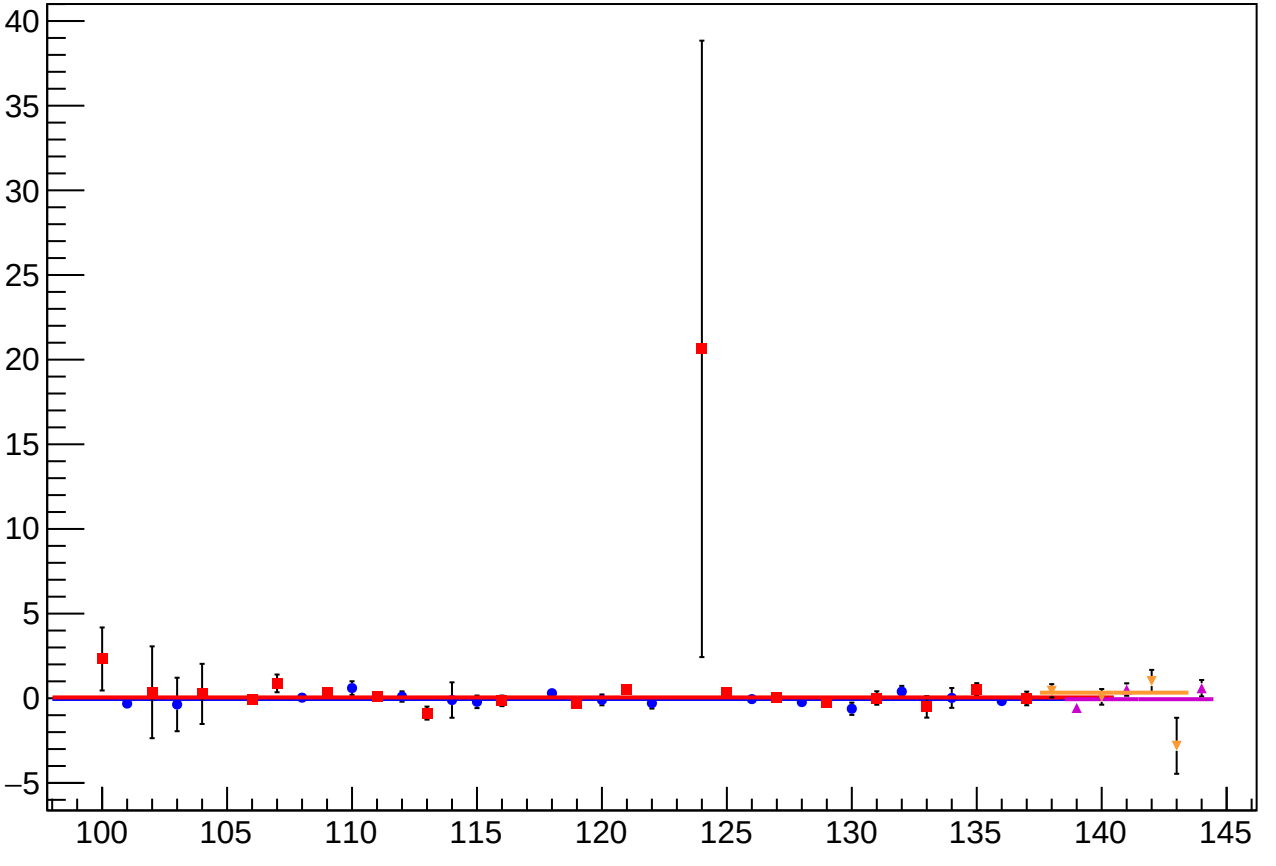
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 208.287+/-0.051 χ^2/NDF:2301505.6/18

Out: 203.966+/-0.053 χ^2/NDF:4671375.1/22

All: 206.219+/-0.037 χ^2/NDF: 6976286.3/41

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.055+/-0.200 χ^2/NDF:7.8/2

Left: 0.082+/-0.160 χ^2/NDF: 14.2/6

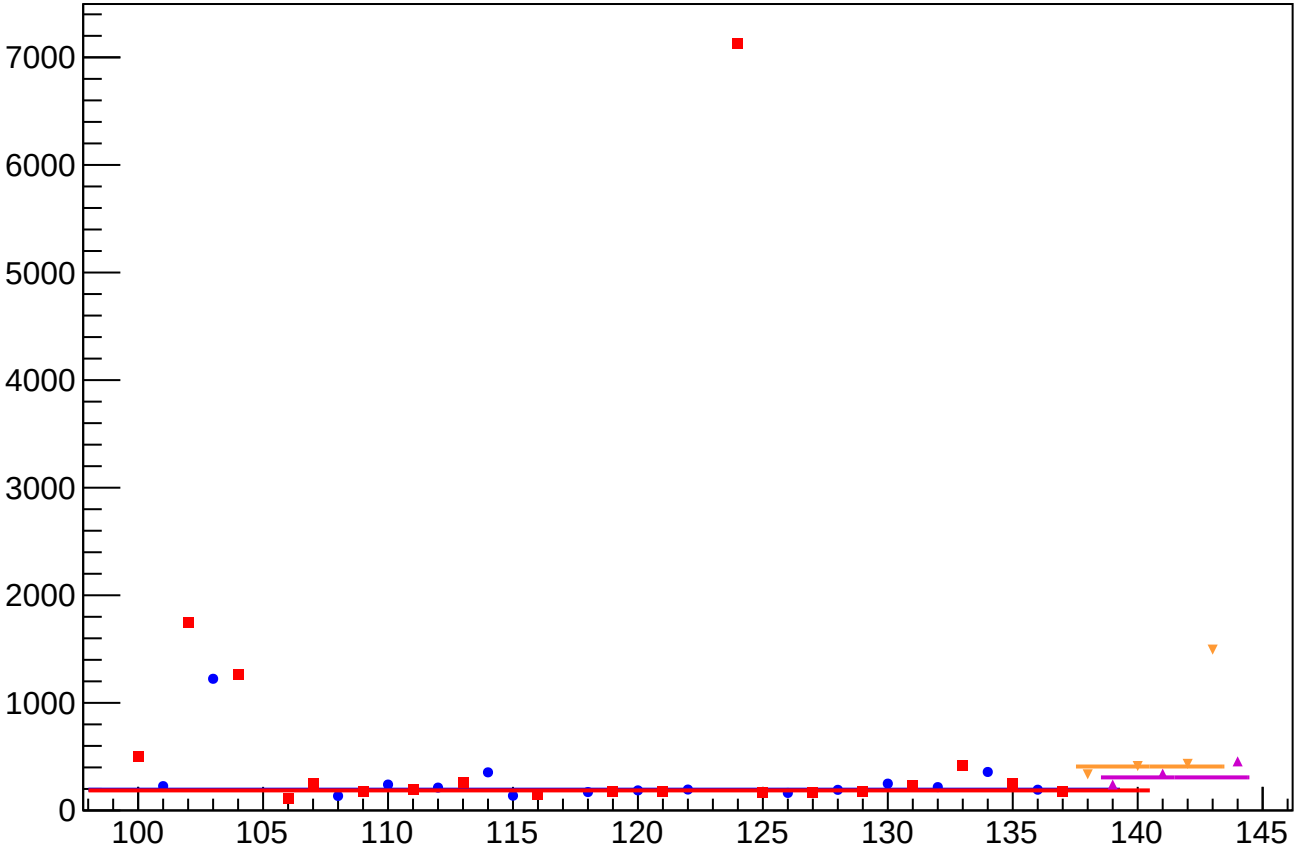
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.072 χ^2/NDF:19.5/18

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.012+/-0.052 χ^2/NDF: 49.8/41

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: 408.443+/-0.190 χ^2/NDF:934049.4/3

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.345+/-0.141 χ^2/NDF:325478.2/2

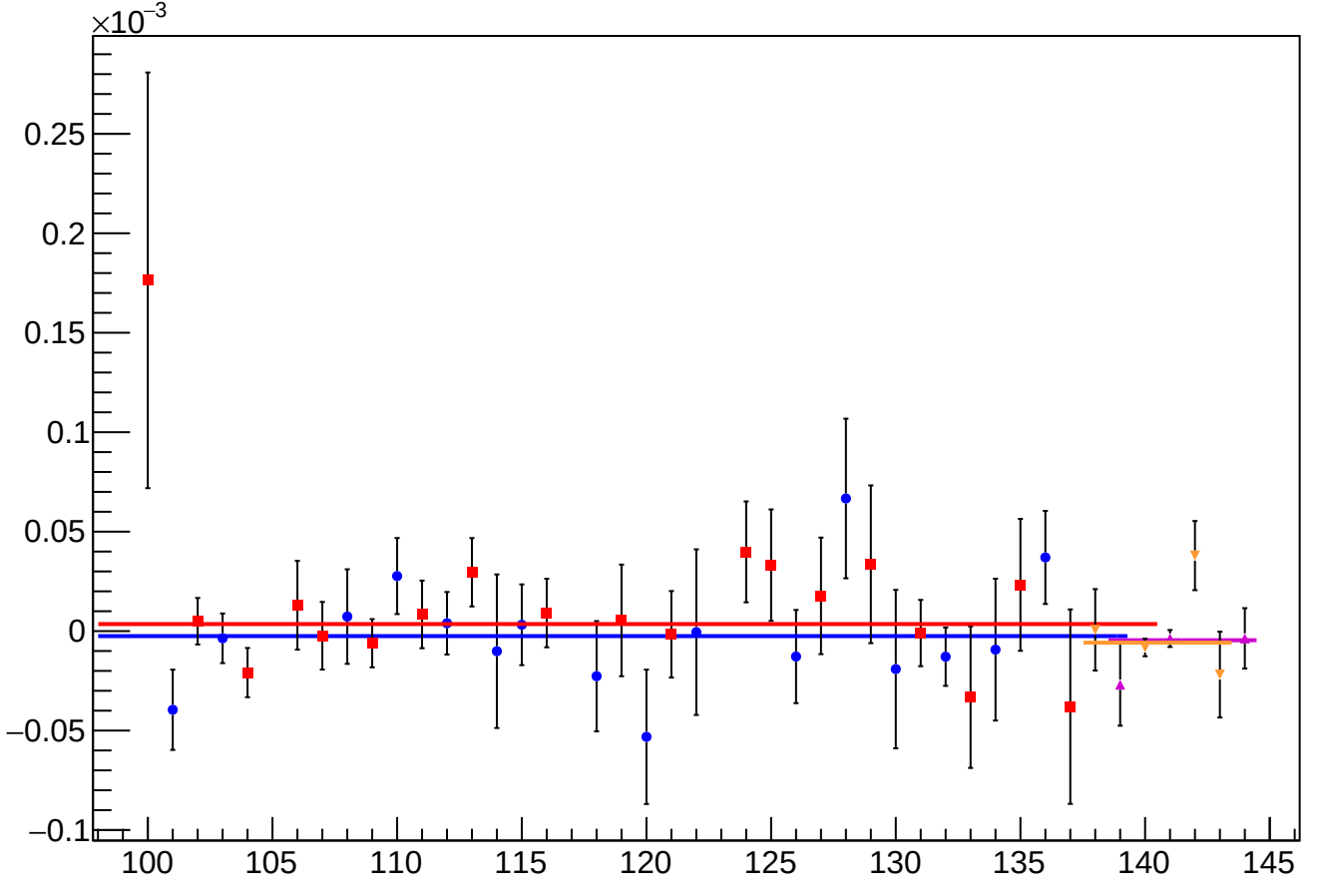
Left: 343.292+/-0.113 χ^2/NDF: 1442047.1/6

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 208.287+/-0.051 χ^2/NDF:2301505.6/18

Out: 203.966+/-0.053 χ^2/NDF:4671375.1/22

All: 206.219+/-0.037 χ^2/NDF: 6976286.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

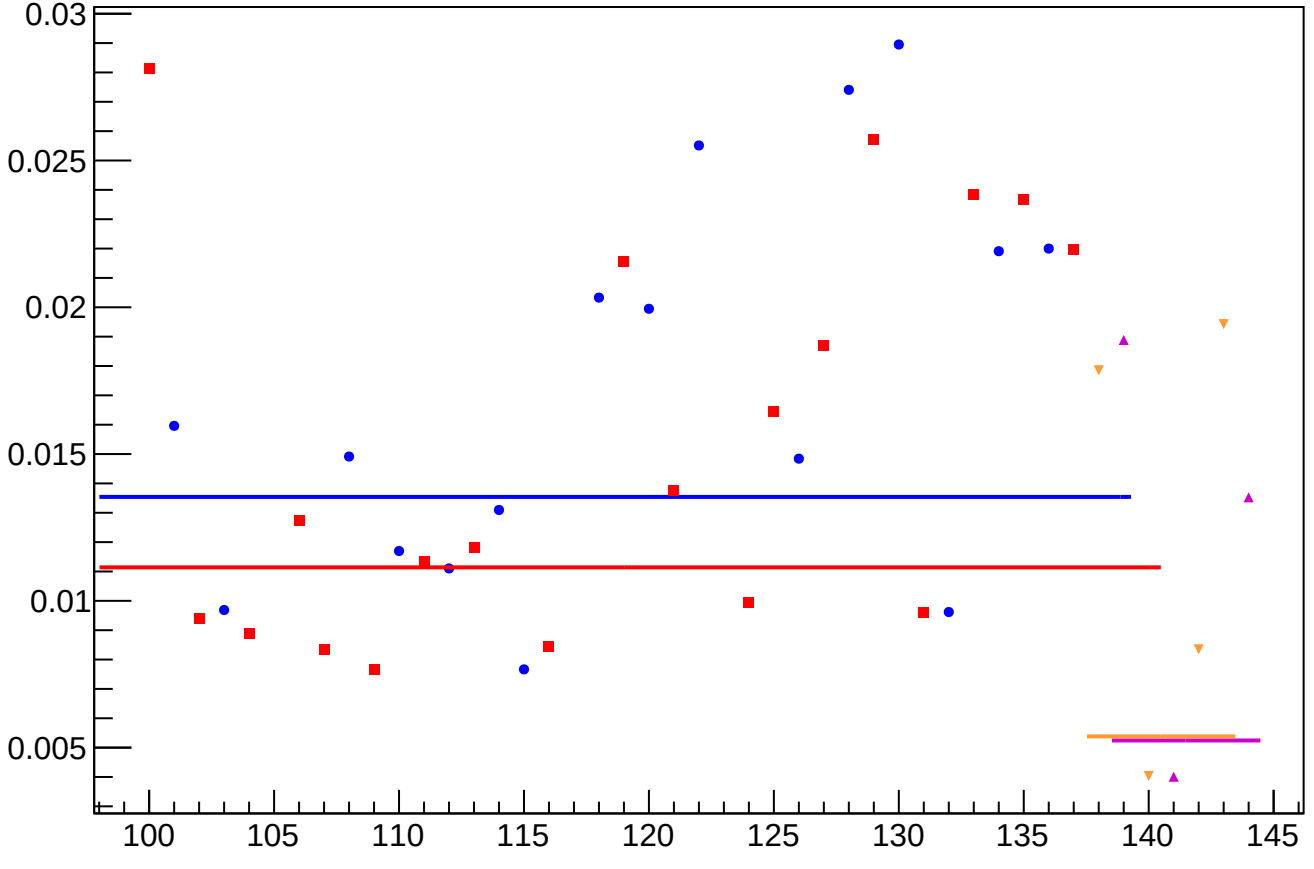
Left: -0.000+/-0.000 χ^2/NDF: 8.6/6

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.1/18

Out: -0.000+/-0.000 χ^2/NDF:26.0/22

All: -0.000+/-0.000 χ^2/NDF: 43.4/41



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1836098.9/3

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.005+/-0.000 χ^2/NDF:1633422.8/2

Left: 0.005+/-0.000 χ^2/NDF: 3470698.9/6

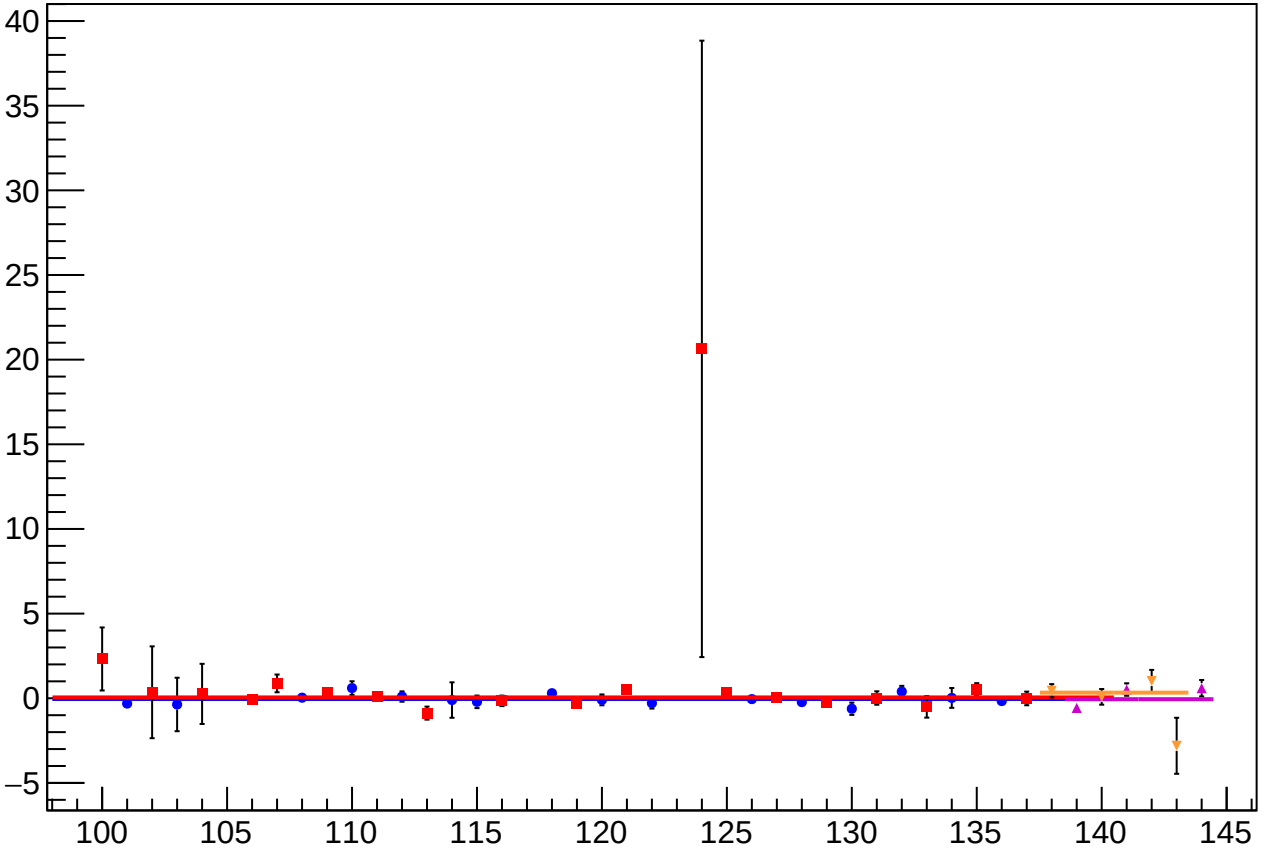
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6506802.5/18

Out: 0.008+/-0.000 χ^2/NDF:5529323.2/22

All: 0.008+/-0.000 χ^2/NDF: 12038625.5/41

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.055+/-0.200 χ^2/NDF:7.8/2

Left: 0.082+/-0.160 χ^2/NDF: 14.2/6

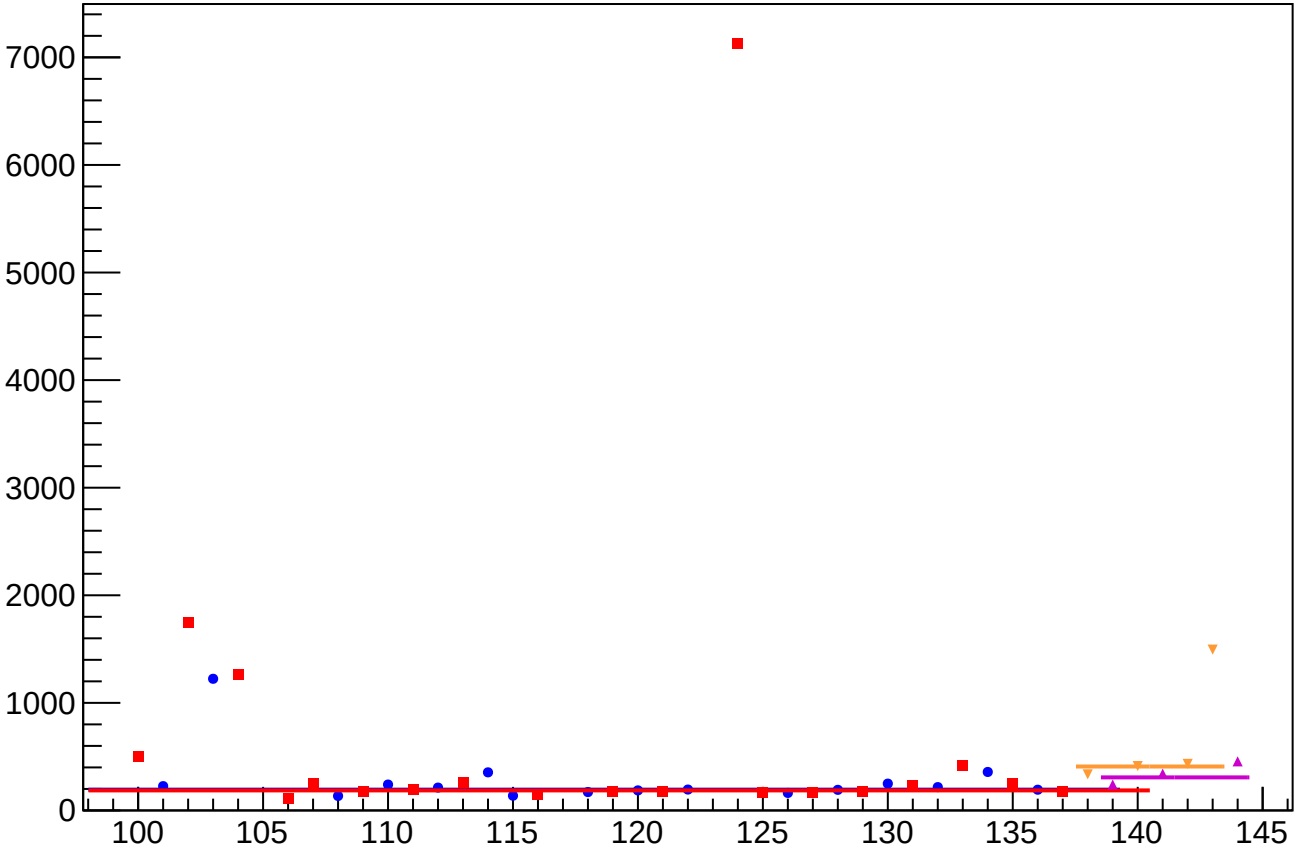
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.072 χ^2/NDF:19.5/18

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.012+/-0.052 χ^2/NDF: 49.8/41

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 408.447+/-0.190 χ^2/NDF:934038.9/3

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.349+/-0.141 χ^2/NDF:325462.4/2

Left: 343.296+/-0.113 χ^2/NDF: 1442014.4/6

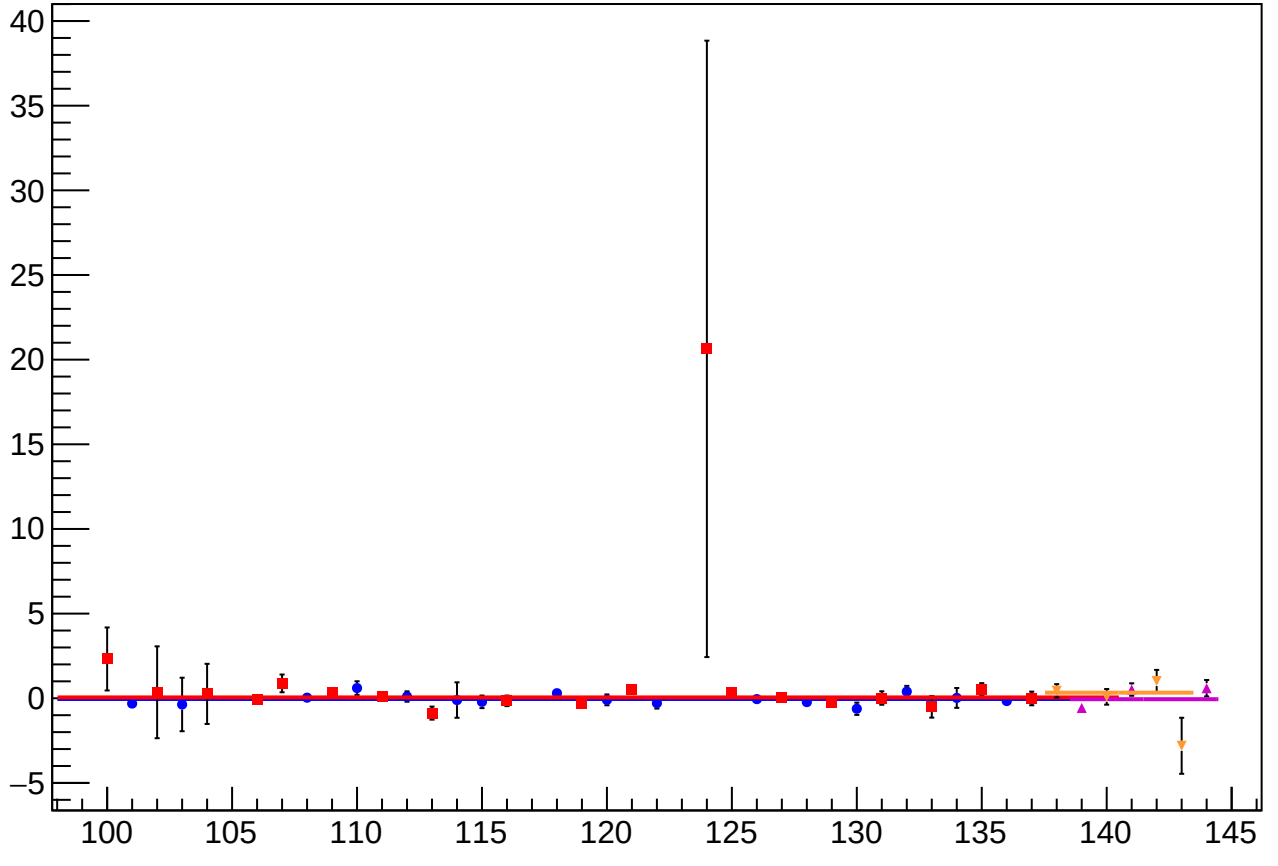
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 208.286+/-0.051 χ^2/NDF:2301528.8/18

Out: 203.964+/-0.053 χ^2/NDF:4671442.4/22

All: 206.217+/-0.037 χ^2/NDF: 6976378.5/41

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.055+/-0.200 χ^2/NDF:7.8/2

Left: 0.082+/-0.160 χ^2/NDF: 14.2/6

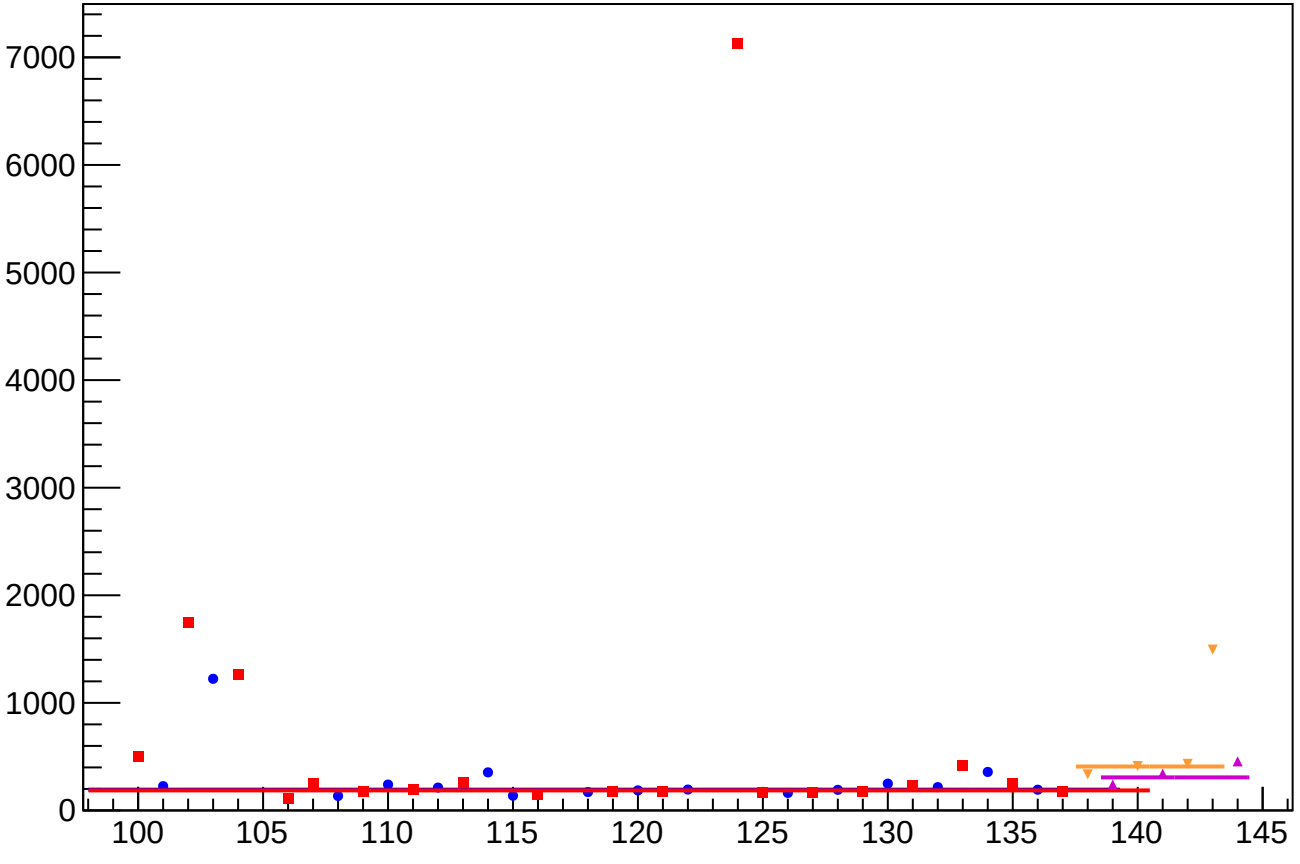
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.072 χ^2/NDF:19.5/18

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.012+/-0.052 χ^2/NDF: 49.8/41

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: 408.447+/-0.190 χ^2/NDF:934038.9/3

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.349+/-0.141 χ^2/NDF:325462.4/2

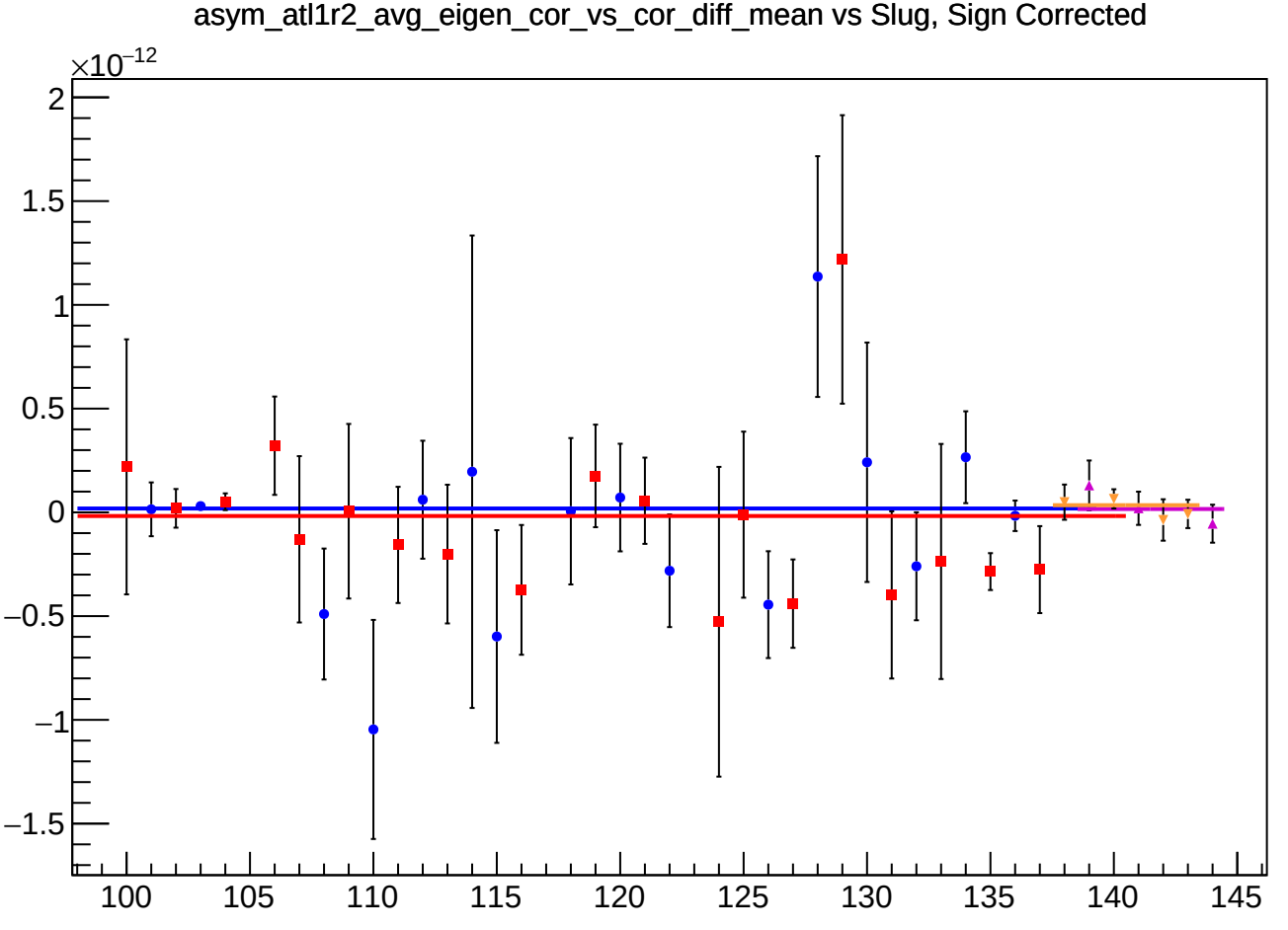
Left: 343.296+/-0.113 χ^2/NDF: 1442014.4/6

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 208.286+/-0.051 χ^2/NDF:2301528.8/18

Out: 203.964+/-0.053 χ^2/NDF:4671442.4/22

All: 206.217+/-0.037 χ^2/NDF: 6976378.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

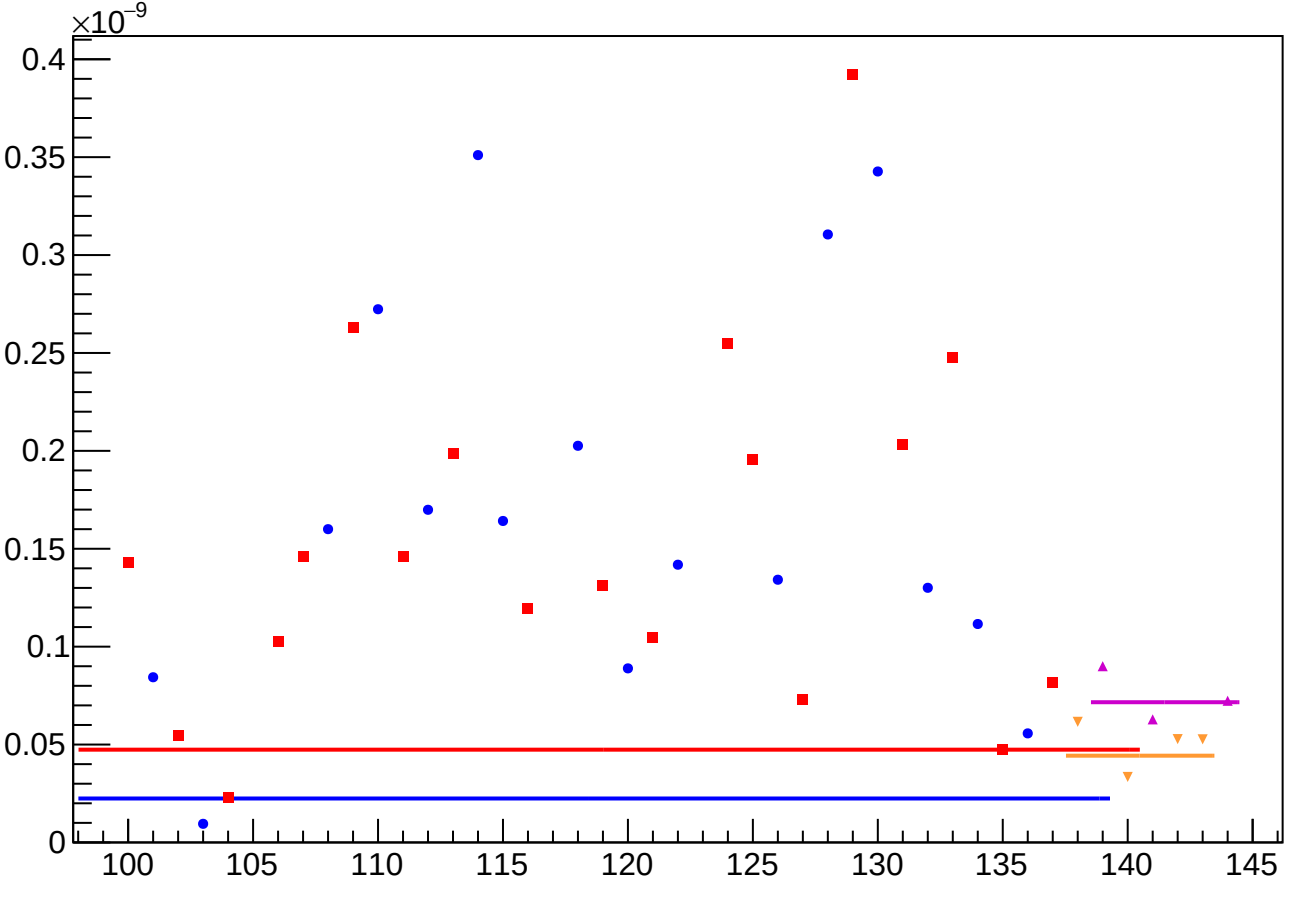
Left: 0.000+/-0.000 χ^2/NDF: 2.9/6

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:20.9/18

Out: 0.000+/-0.000 χ^2/NDF:29.8/22

All: 0.000+/-0.000 χ^2/NDF: 50.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:237061.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:71039.8/2

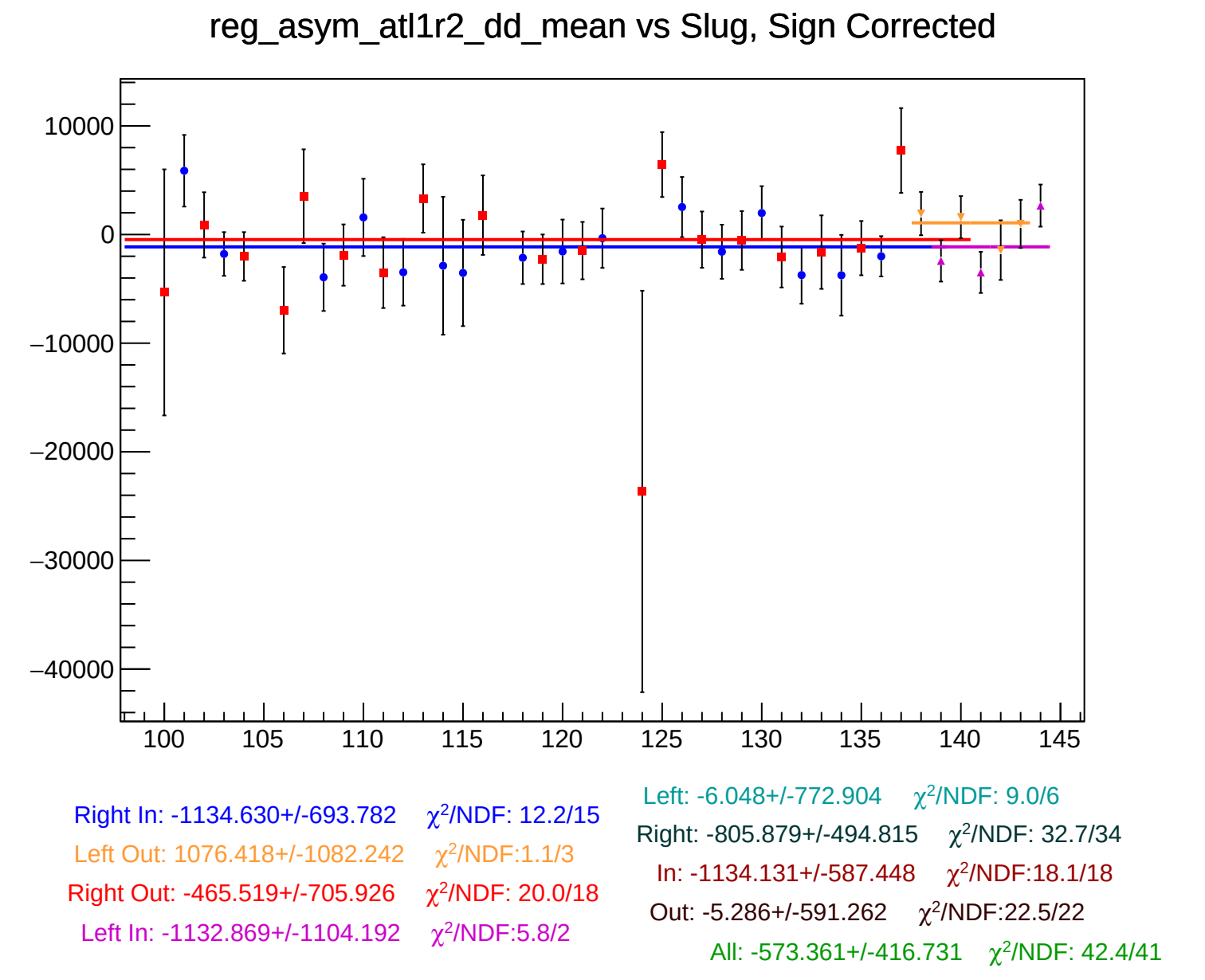
Left: 0.000+/-0.000 χ^2/NDF: 681905.8/6

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

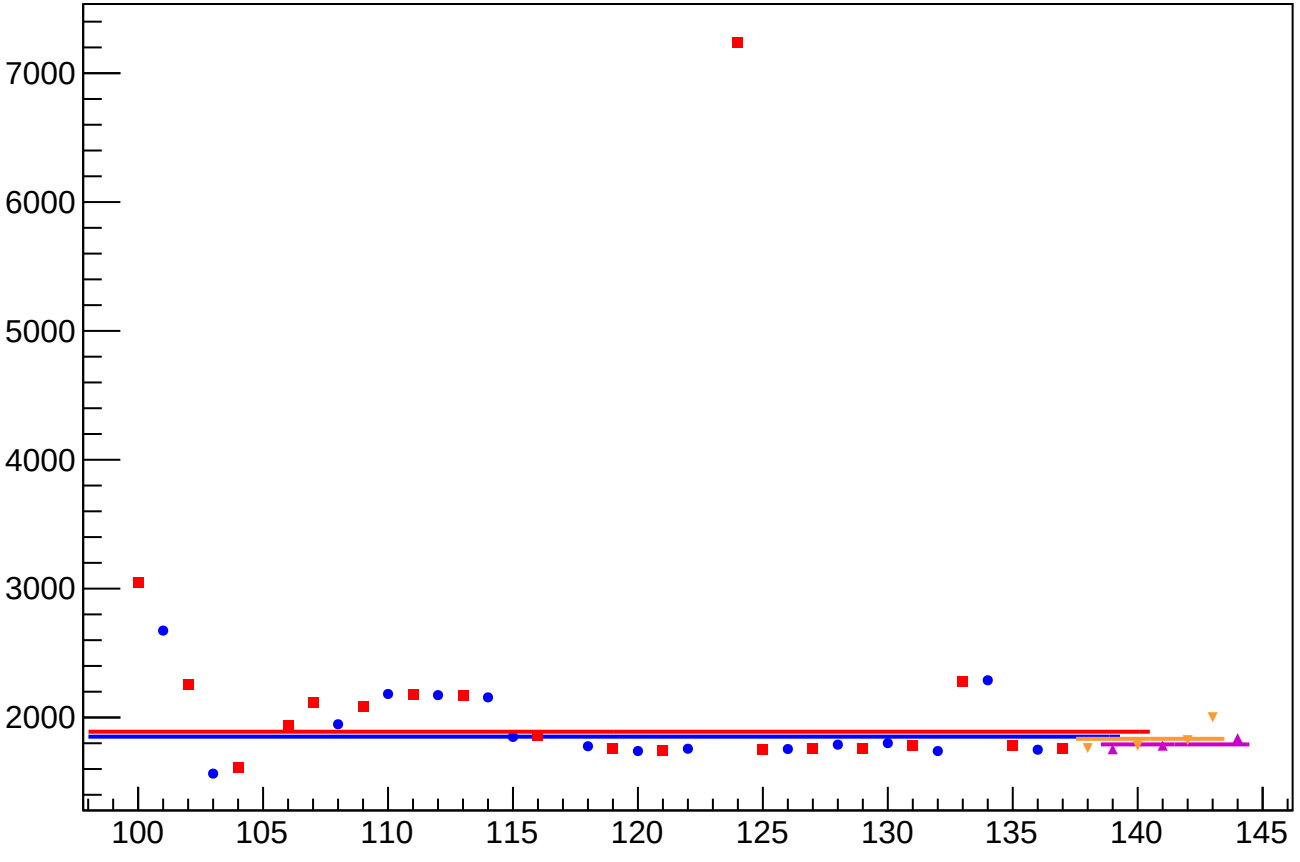
In: 0.000+/-0.000 χ^2/NDF:7935740.5/18

Out: 0.000+/-0.000 χ^2/NDF:4482245.8/22

All: 0.000+/-0.000 χ^2/NDF: 13087511.2/41


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 1076.418+/-1082.242 χ²/NDF:1.1/3
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -1132.869+/-1104.192 χ²/NDF:5.8/2
Left: -6.048+/-772.904 χ²/NDF: 9.0/6
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1134.131+/-587.448 χ²/NDF:18.1/18
Out: -5.286+/-591.262 χ²/NDF:22.5/22
All: -573.361+/-416.731 χ²/NDF: 42.4/41

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

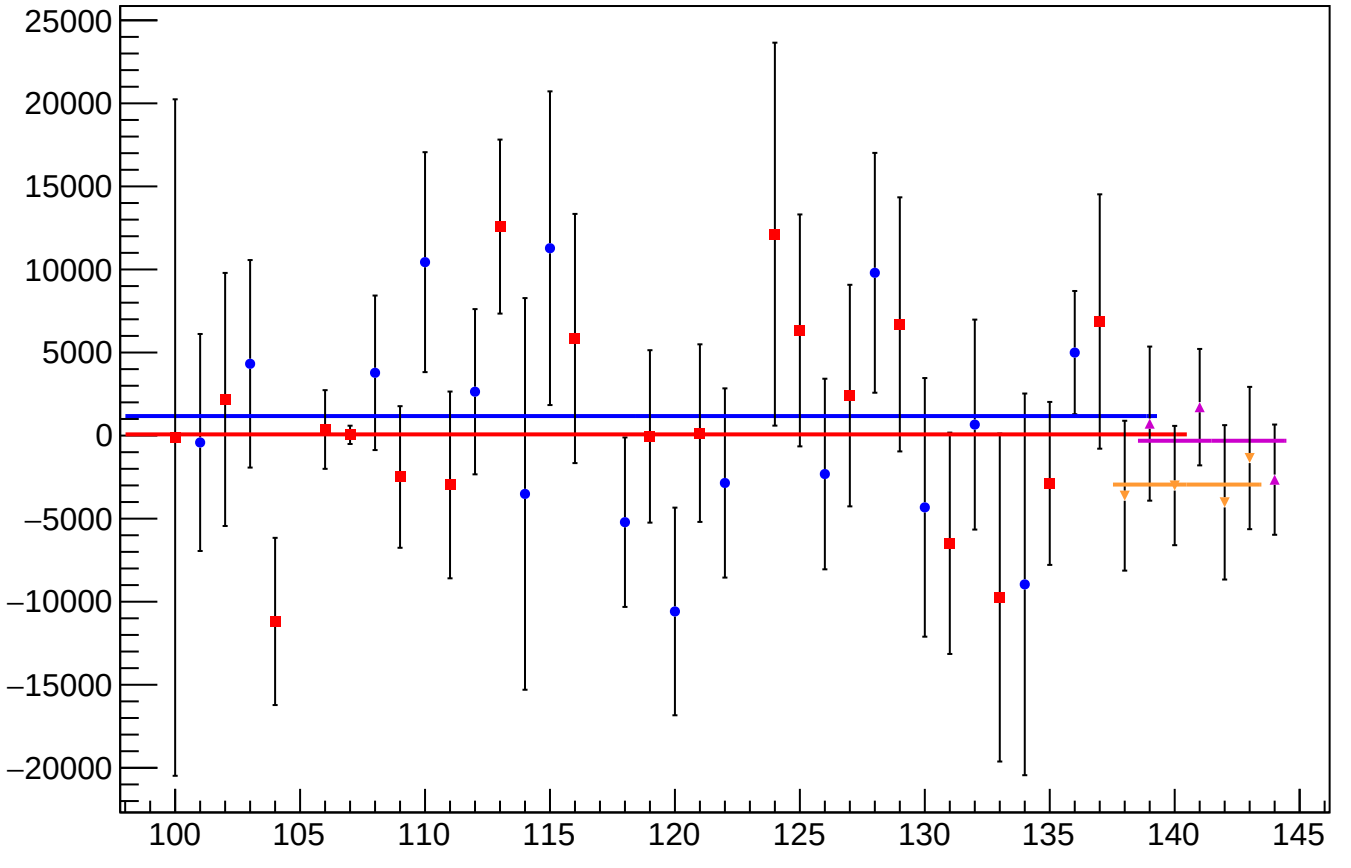
Left: 1813.216+/-0.547 χ^2/NDF: 19216.0/6

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1834.134+/-0.415 χ^2/NDF:266270.8/18

Out: 1873.150+/-0.417 χ^2/NDF:378129.5/22

All: 1853.548+/-0.294 χ^2/NDF: 648790.2/41



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2948.160+/-2096.491 χ^2/NDF:0.2/3

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -311.441+/-2138.168 χ^2/NDF:0.9/2

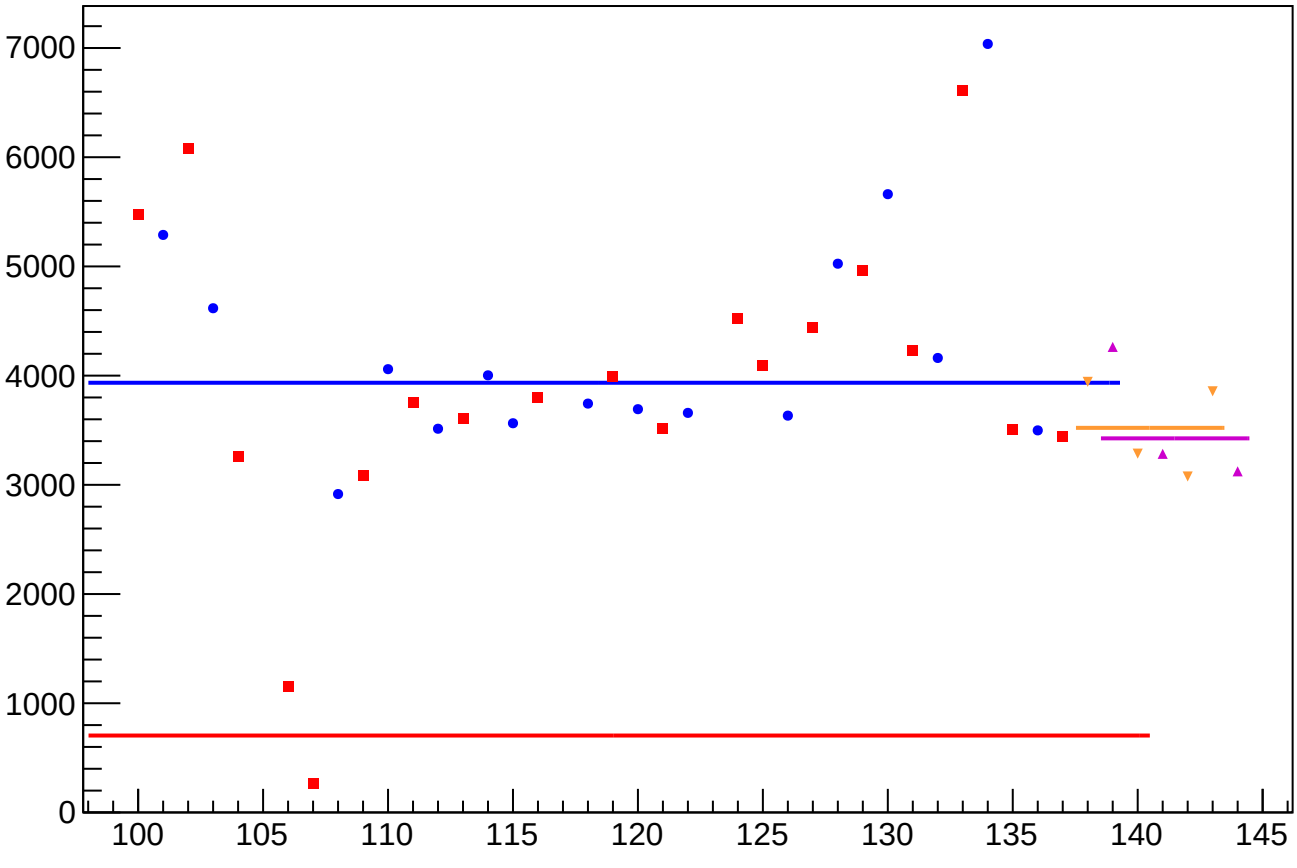
Left: -1655.748+/-1496.961 χ^2/NDF: 1.9/6

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 684.088+/-1229.129 χ^2/NDF:14.9/18

Out: -93.413+/-491.594 χ^2/NDF:20.1/22

All: 13.807+/-456.441 χ^2/NDF: 35.4/41



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3521.790+/-1.482 χ^2/NDF:56665.5/3

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3425.533+/-1.512 χ^2/NDF:85027.0/2

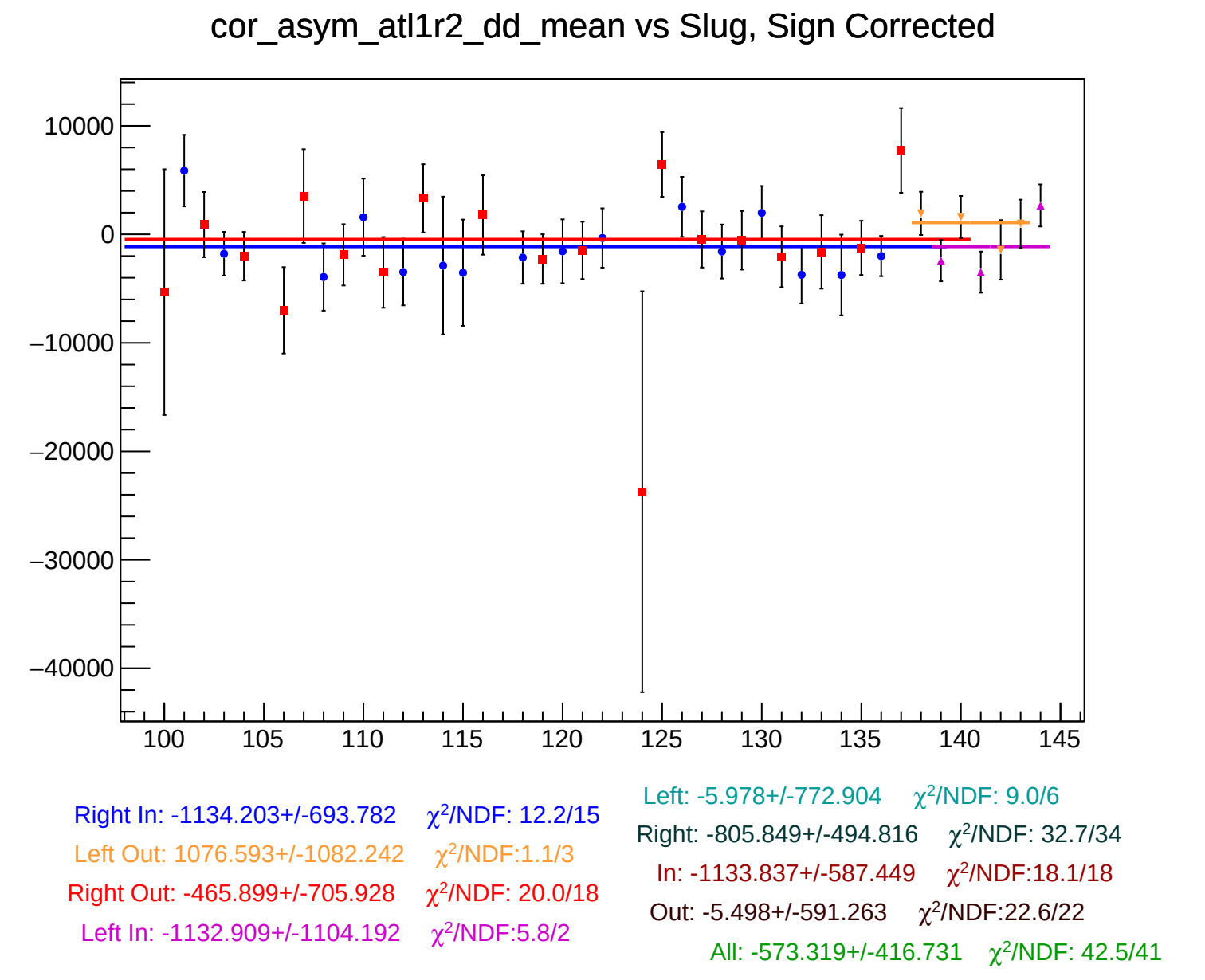
Left: 3474.609+/-1.059 χ^2/NDF: 143759.1/6

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

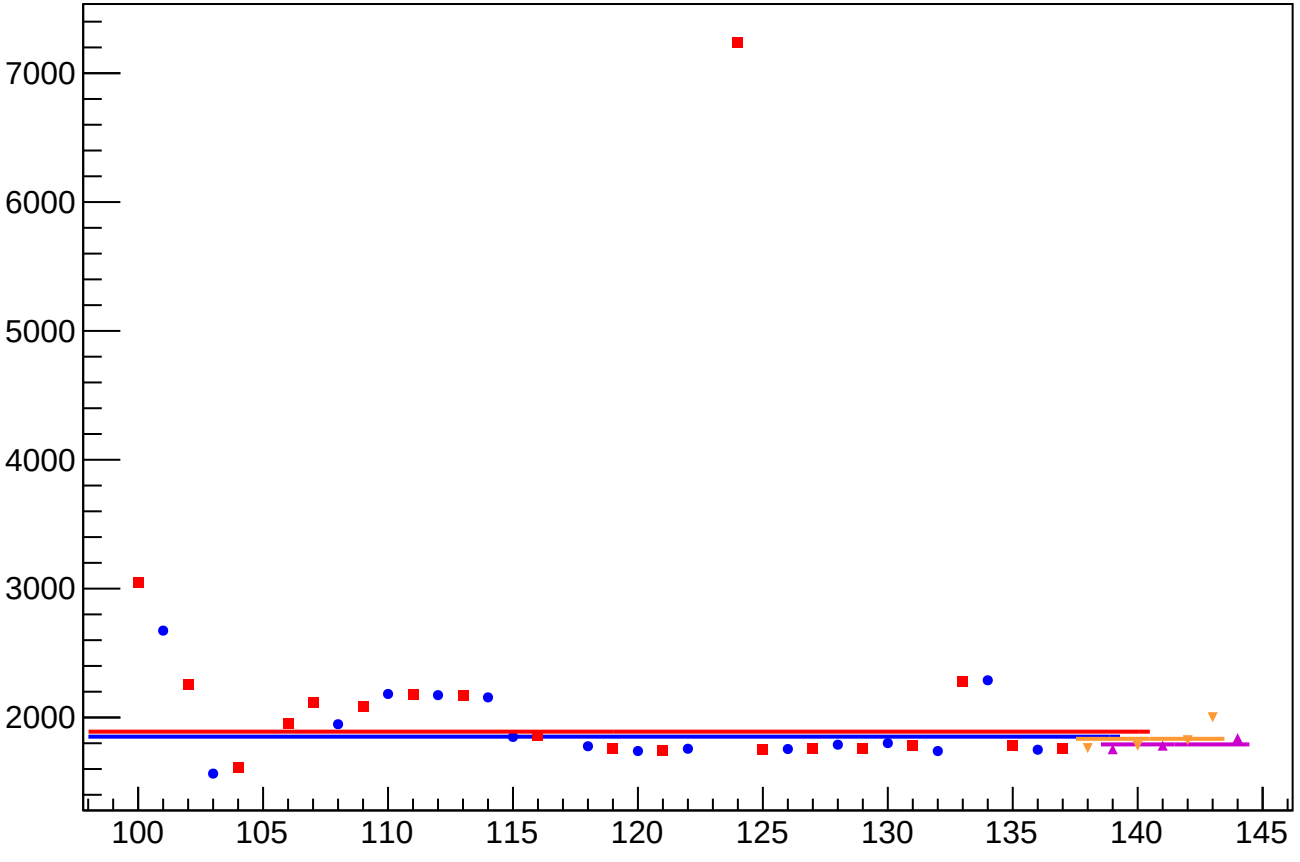
In: 3766.456+/-0.869 χ^2/NDF:721093.9/18

Out: 859.294+/-0.348 χ^2/NDF:14088670.0/22

All: 1260.202+/-0.323 χ^2/NDF: 24455372.6/4


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1076.593+/-1082.242 χ²/NDF:1.1/3
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1132.909+/-1104.192 χ²/NDF:5.8/2
Left: -5.978+/-772.904 χ²/NDF: 9.0/6
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1133.837+/-587.449 χ²/NDF:18.1/18
Out: -5.498+/-591.263 χ²/NDF:22.6/22
All: -573.319+/-416.731 χ²/NDF: 42.5/41

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

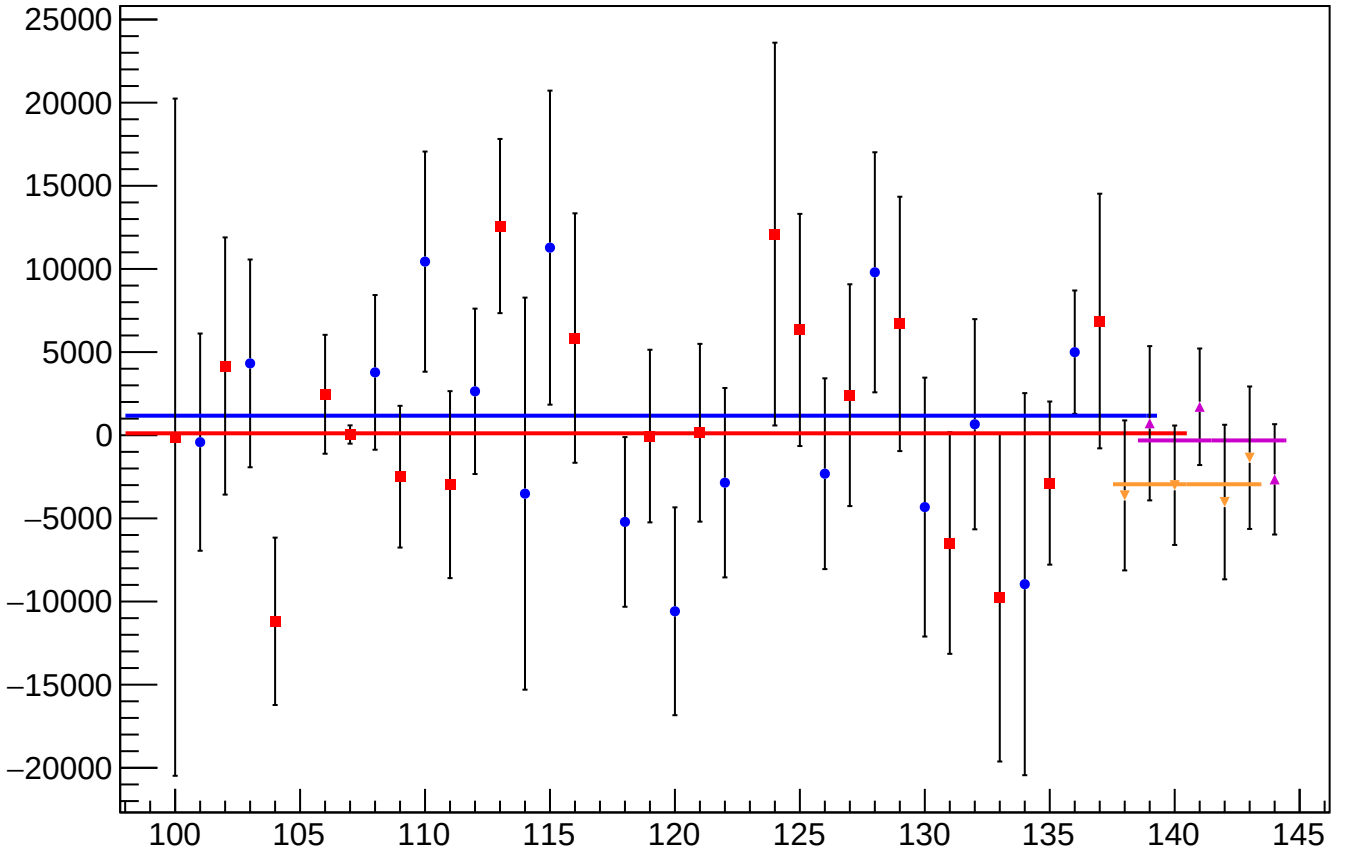
Left: 1813.216+/-0.547 χ^2/NDF: 19216.0/6

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1834.134+/-0.415 χ^2/NDF:266270.0/18

Out: 1873.467+/-0.417 χ^2/NDF:378409.5/22

All: 1853.702+/-0.294 χ^2/NDF: 649140.1/41



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2947.953+/-2096.481 χ^2/NDF:0.2/3

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -311.420+/-2138.166 χ^2/NDF:0.9/2

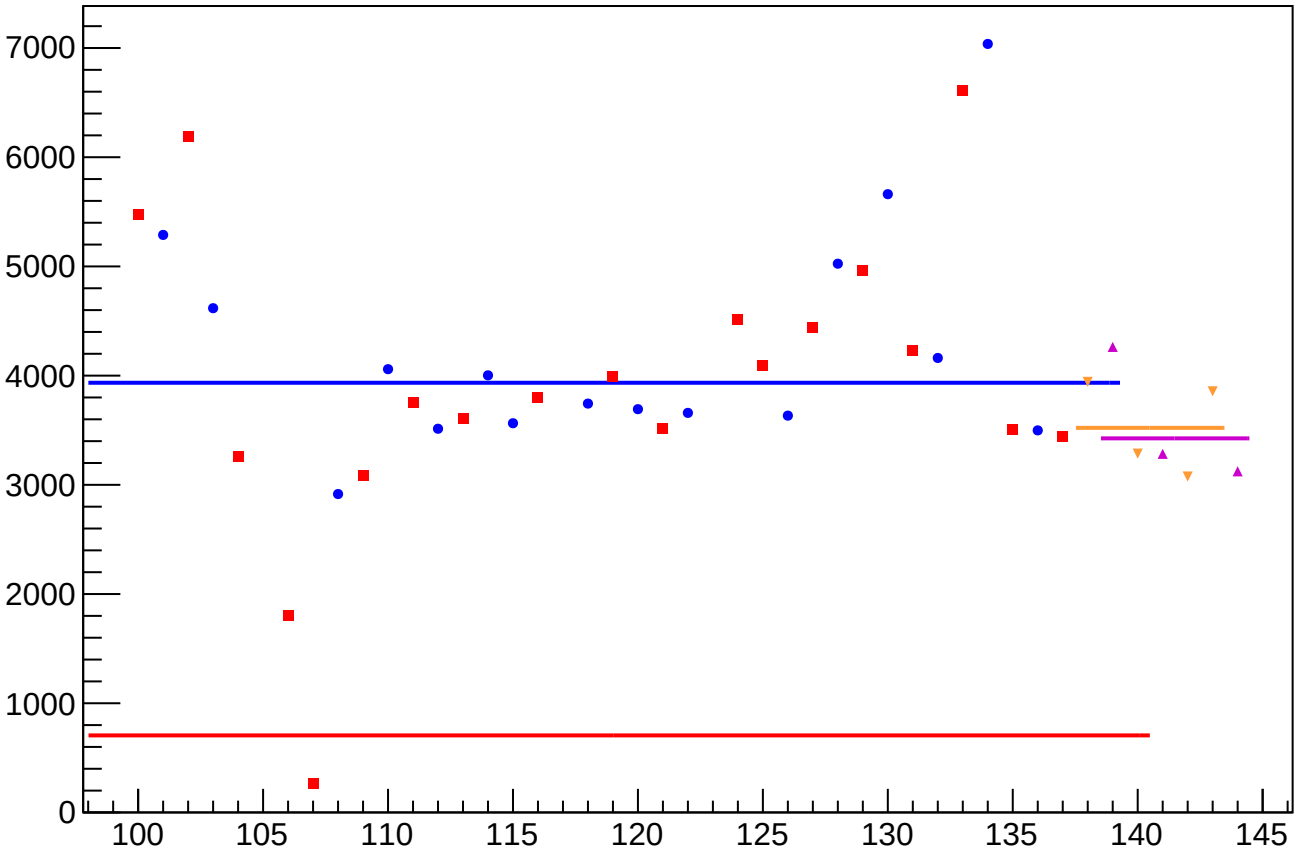
Left: -1655.637+/-1496.956 χ^2/NDF: 1.9/6

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 684.076+/-1229.131 χ^2/NDF:14.9/18

Out: -56.719+/-497.647 χ^2/NDF:20.8/22

All: 47.613+/-461.274 χ^2/NDF: 36.0/41



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3425.530+/-1.512 χ^2/NDF:85026.1/2

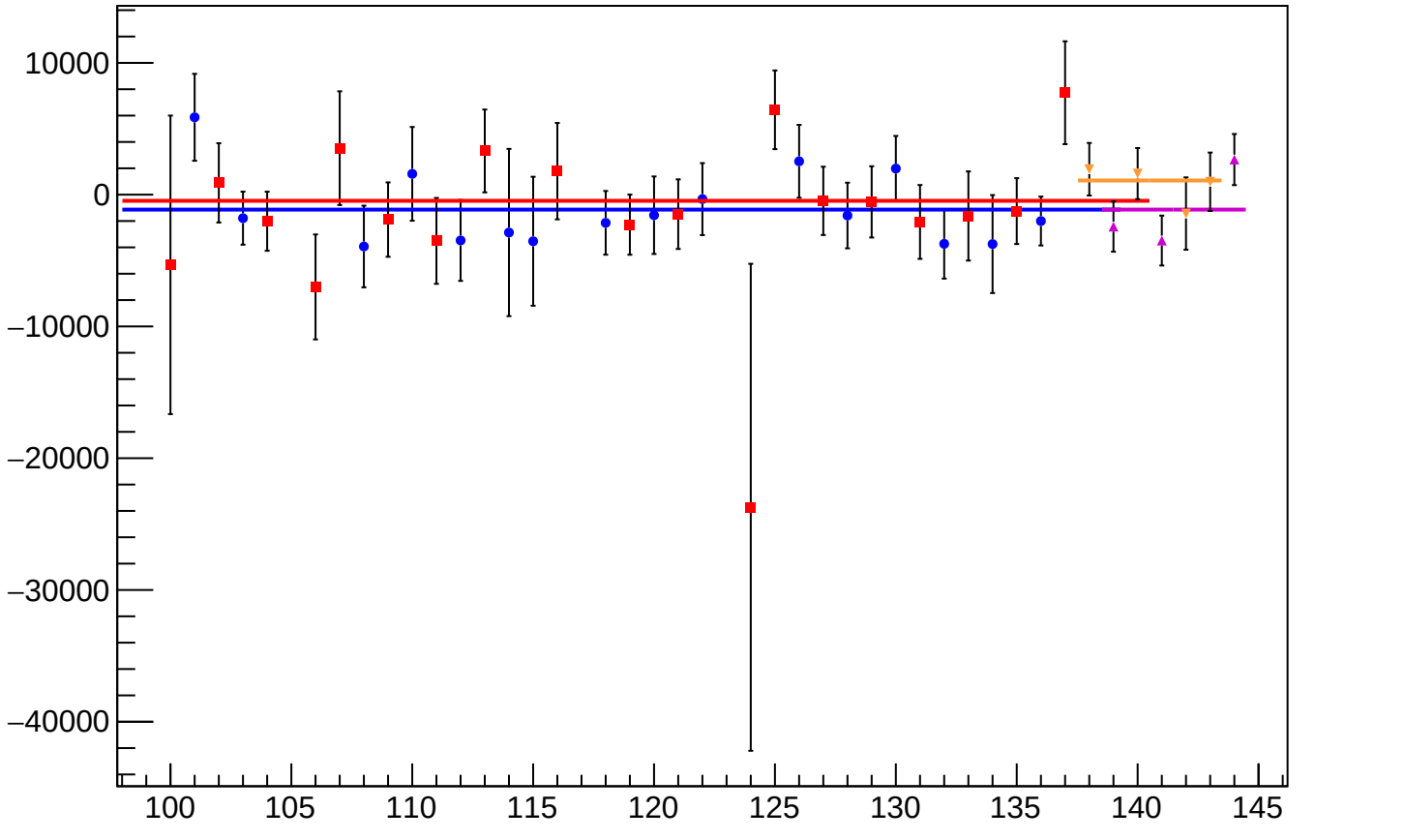
Left: 3474.598+/-1.059 χ^2/NDF: 143761.0/6

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3766.460+/-0.869 χ^2/NDF:721120.6/18

Out: 864.298+/-0.352 χ^2/NDF:14209314.9/22

All: 1273.034+/-0.326 χ^2/NDF: 24510126.2/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1076.593+/-1082.242 χ^2/NDF:1.1/3

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1132.909+/-1104.192 χ^2/NDF:5.8/2

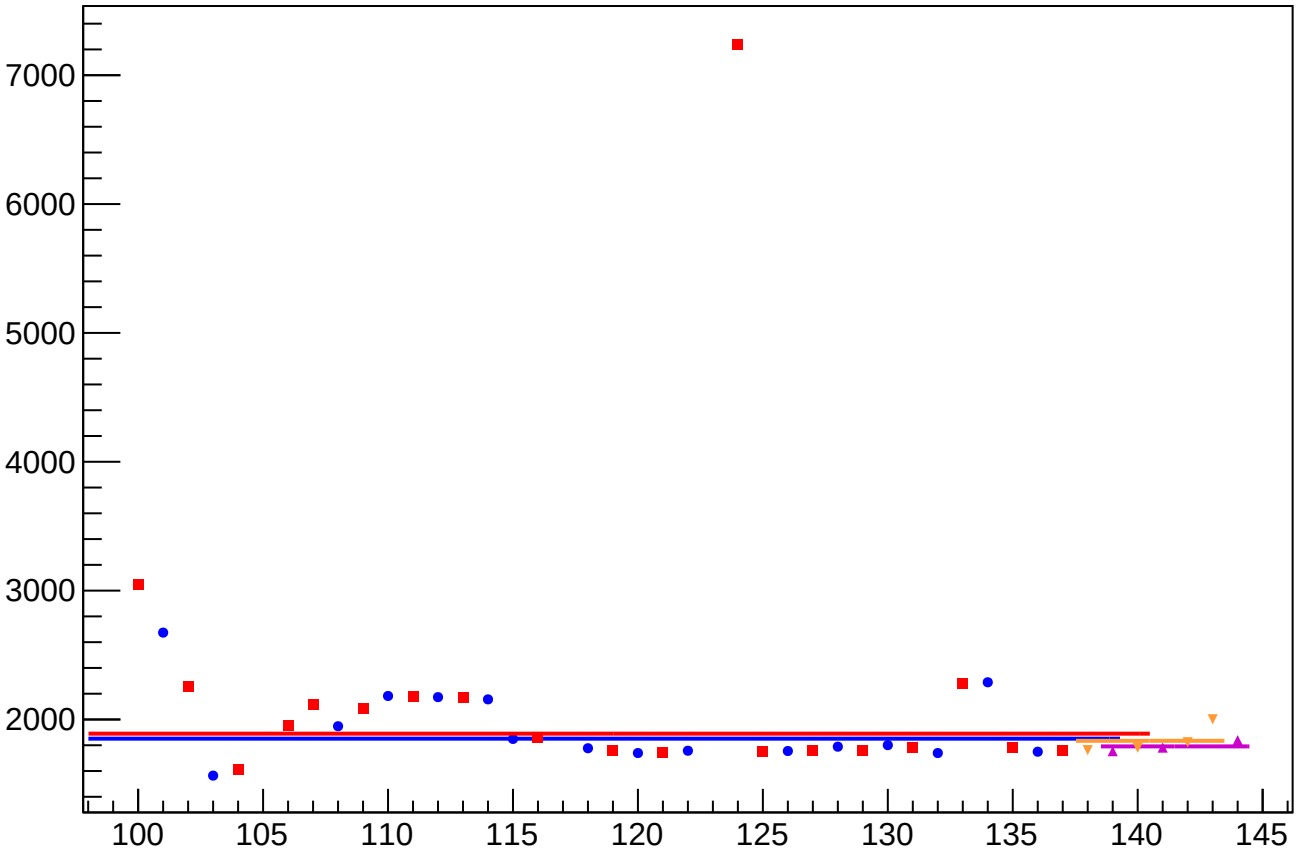
Left: -5.978+/-772.904 χ^2/NDF: 9.0/6

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1133.837+/-587.449 χ^2/NDF:18.1/18

Out: -5.498+/-591.263 χ^2/NDF:22.6/22

All: -573.319+/-416.731 χ^2/NDF: 42.5/41



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1791.082+/-0.781 χ^2/NDF:2048.5/2

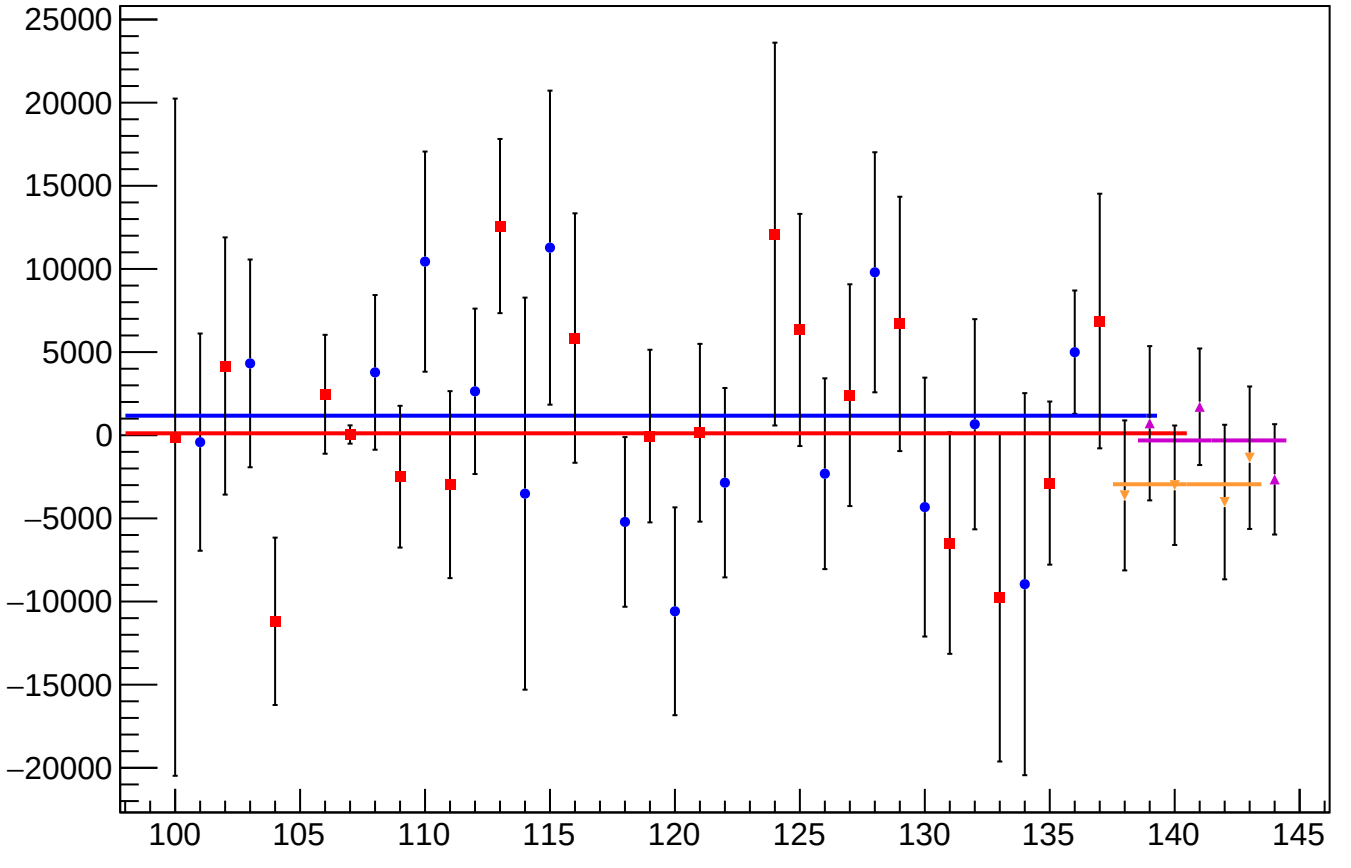
Left: 1813.216+/-0.547 χ^2/NDF: 19216.0/6

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1834.134+/-0.415 χ^2/NDF:266270.0/18

Out: 1873.467+/-0.417 χ^2/NDF:378409.5/22

All: 1853.702+/-0.294 χ^2/NDF: 649140.1/41



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2947.953+/-2096.481 χ^2/NDF:0.2/3

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -311.420+/-2138.166 χ^2/NDF:0.9/2

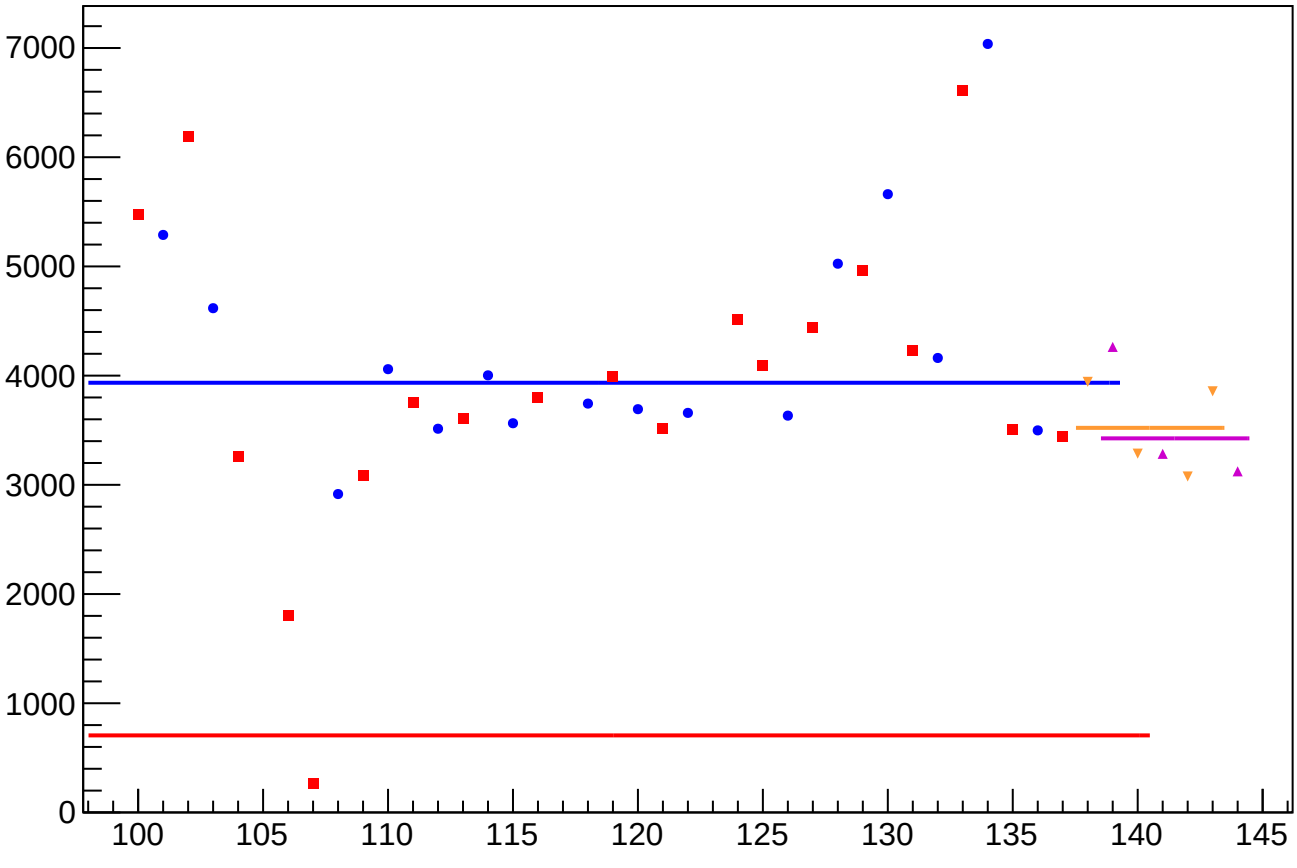
Left: -1655.637+/-1496.956 χ^2/NDF: 1.9/6

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 684.076+/-1229.131 χ^2/NDF:14.9/18

Out: -56.719+/-497.647 χ^2/NDF:20.8/22

All: 47.613+/-461.274 χ^2/NDF: 36.0/41



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3425.530+/-1.512 χ^2/NDF:85026.1/2

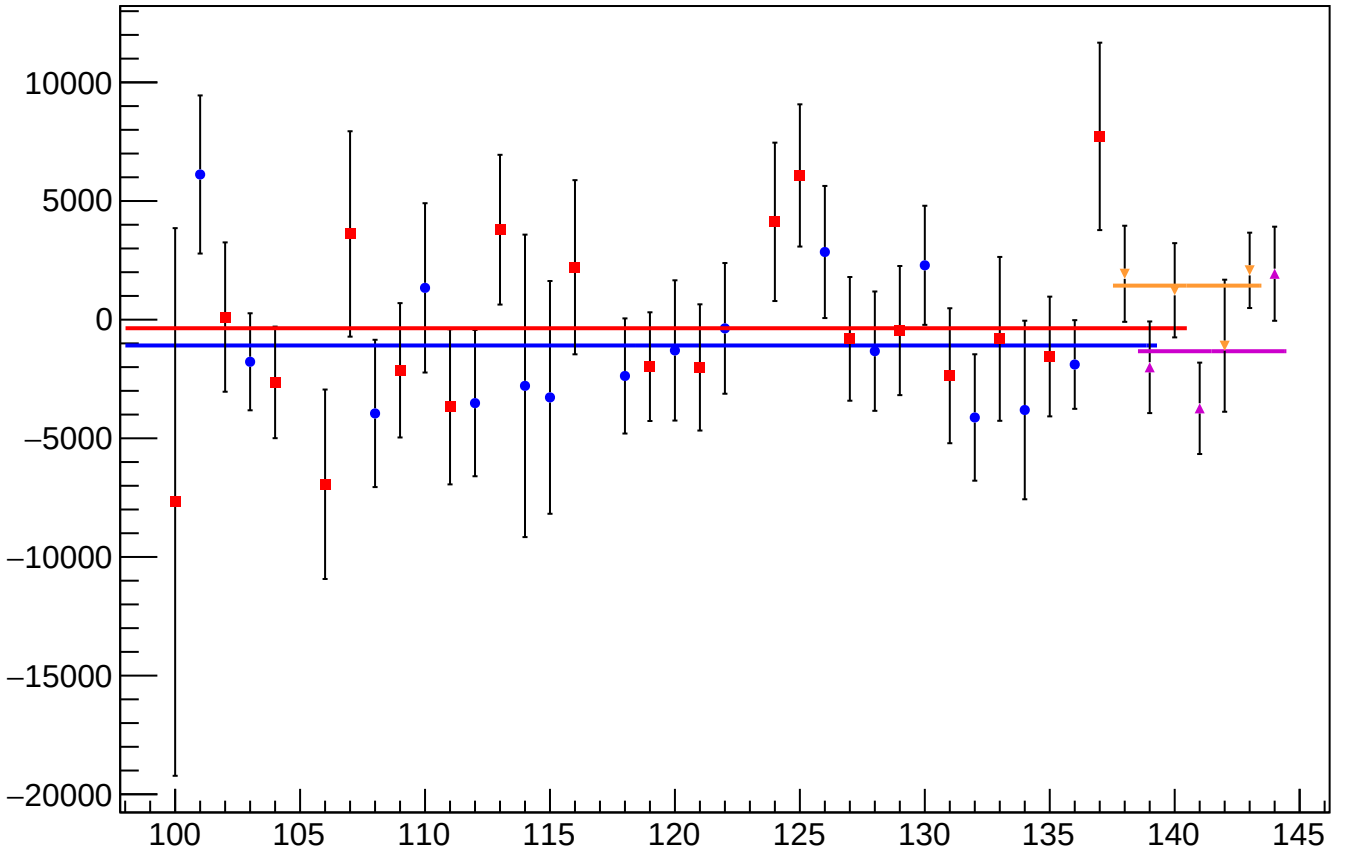
Left: 3474.598+/-1.059 χ^2/NDF: 143761.0/6

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3766.460+/-0.869 χ^2/NDF:721120.6/18

Out: 864.298+/-0.352 χ^2/NDF:14209314.9/22

All: 1273.034+/-0.326 χ^2/NDF: 24510126.2/4



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.561+/-988.592 χ^2/NDF:1.1/3

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1329.789+/-1123.483 χ^2/NDF:4.4/2

Left: 228.218+/-742.173 χ^2/NDF: 8.9/6

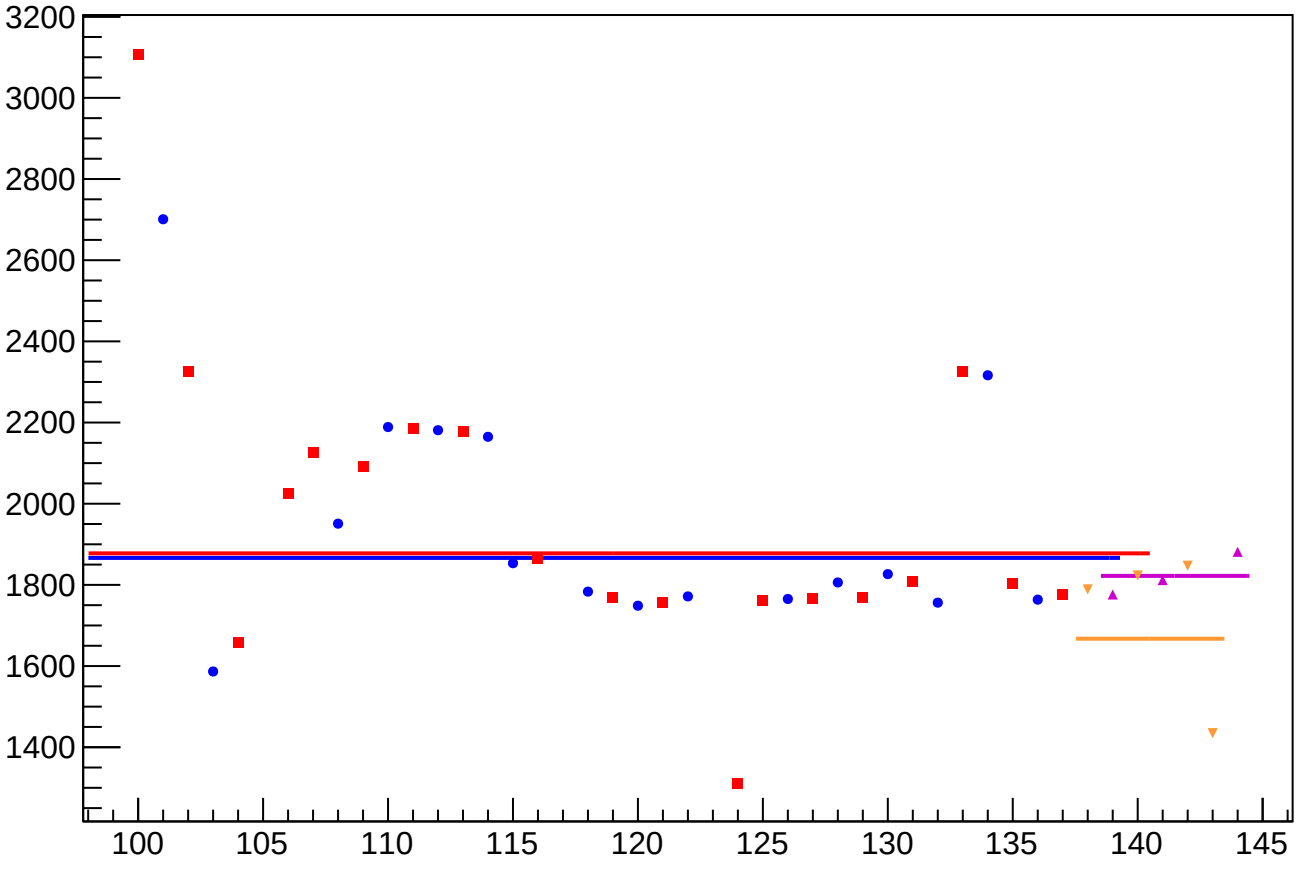
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1155.363+/-593.858 χ^2/NDF:17.6/18

Out: 238.088+/-571.104 χ^2/NDF:24.1/22

All: -431.431+/-411.641 χ^2/NDF: 44.6/41

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1667.440+/-0.699 χ^2/NDF:70853.8/3

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1822.170+/-0.794 χ^2/NDF:2974.8/2

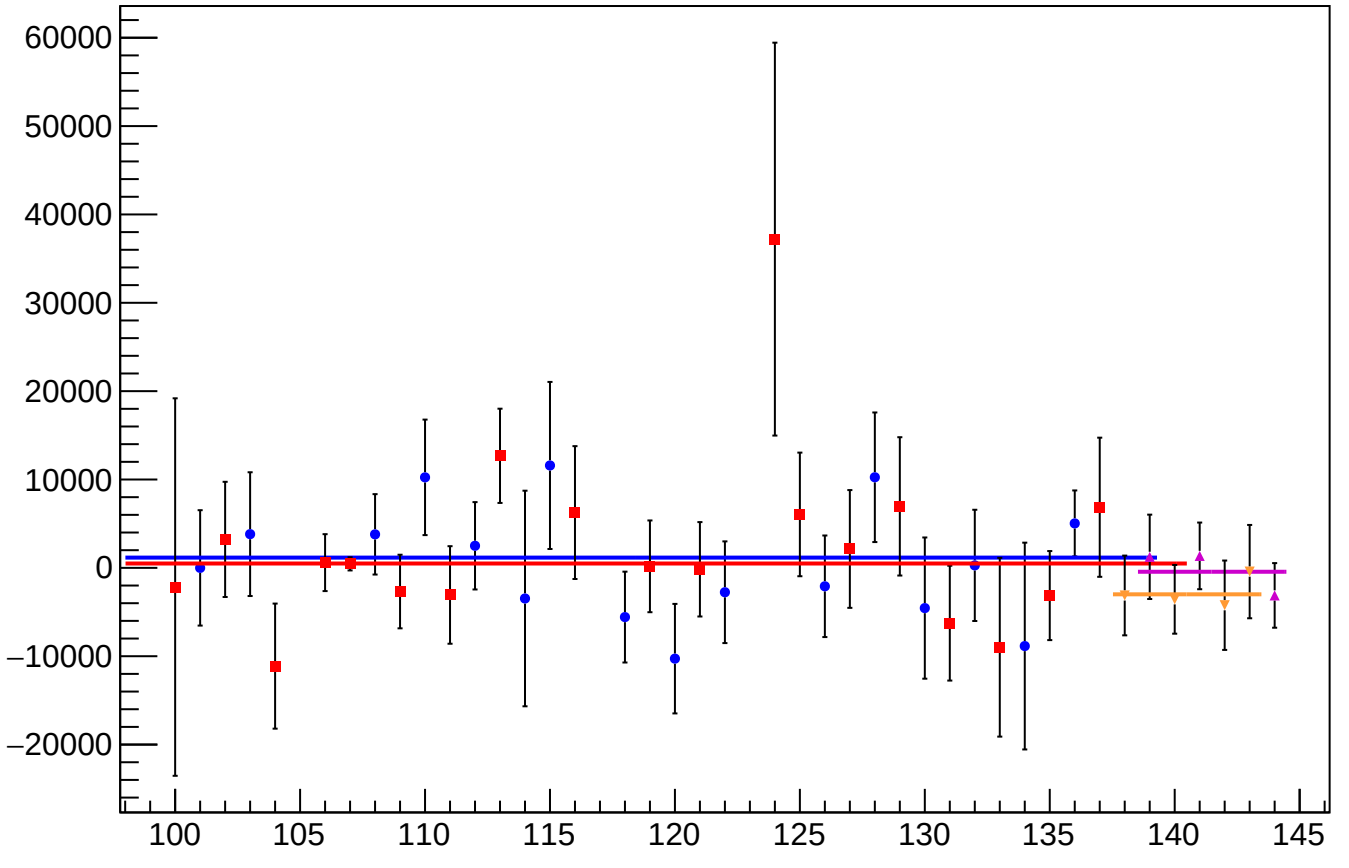
Left: 1734.963+/-0.525 χ^2/NDF: 95209.2/6

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1854.082+/-0.420 χ^2/NDF:261476.5/18

Out: 1807.580+/-0.404 χ^2/NDF:382991.7/22

All: 1829.910+/-0.291 χ^2/NDF: 650842.8/41



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2994.049+/-2293.094 χ^2/NDF:0.3/3

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -440.939+/-2300.522 χ^2/NDF:0.9/2

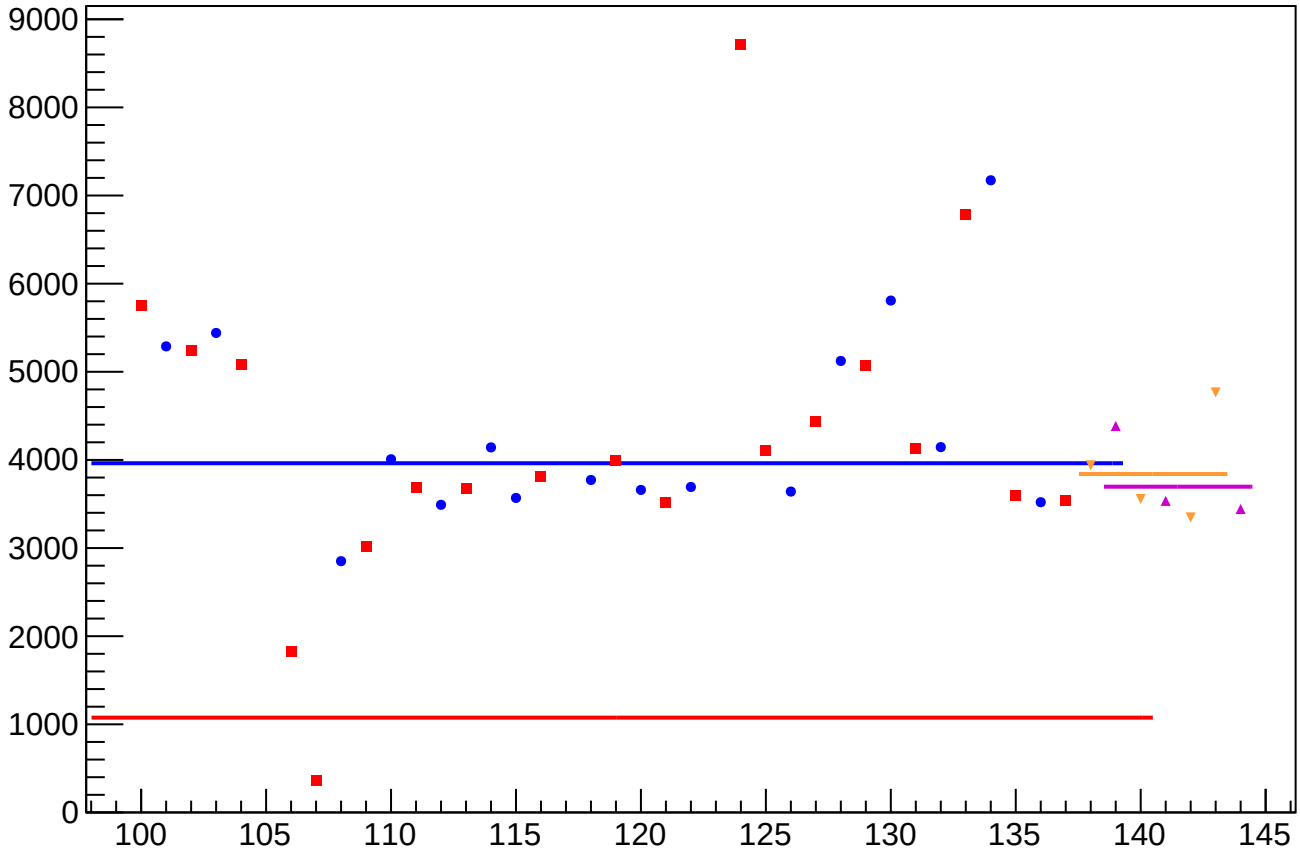
Left: -1721.622+/-1624.082 χ^2/NDF: 1.8/6

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 677.745+/-1263.660 χ^2/NDF:14.9/18

Out: 227.255+/-632.929 χ^2/NDF:19.4/22

All: 317.604+/-565.912 χ^2/NDF: 34.4/41



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3840.476+/-1.621 χ^2/NDF:91925.6/3

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3696.167+/-1.627 χ^2/NDF:54802.3/2

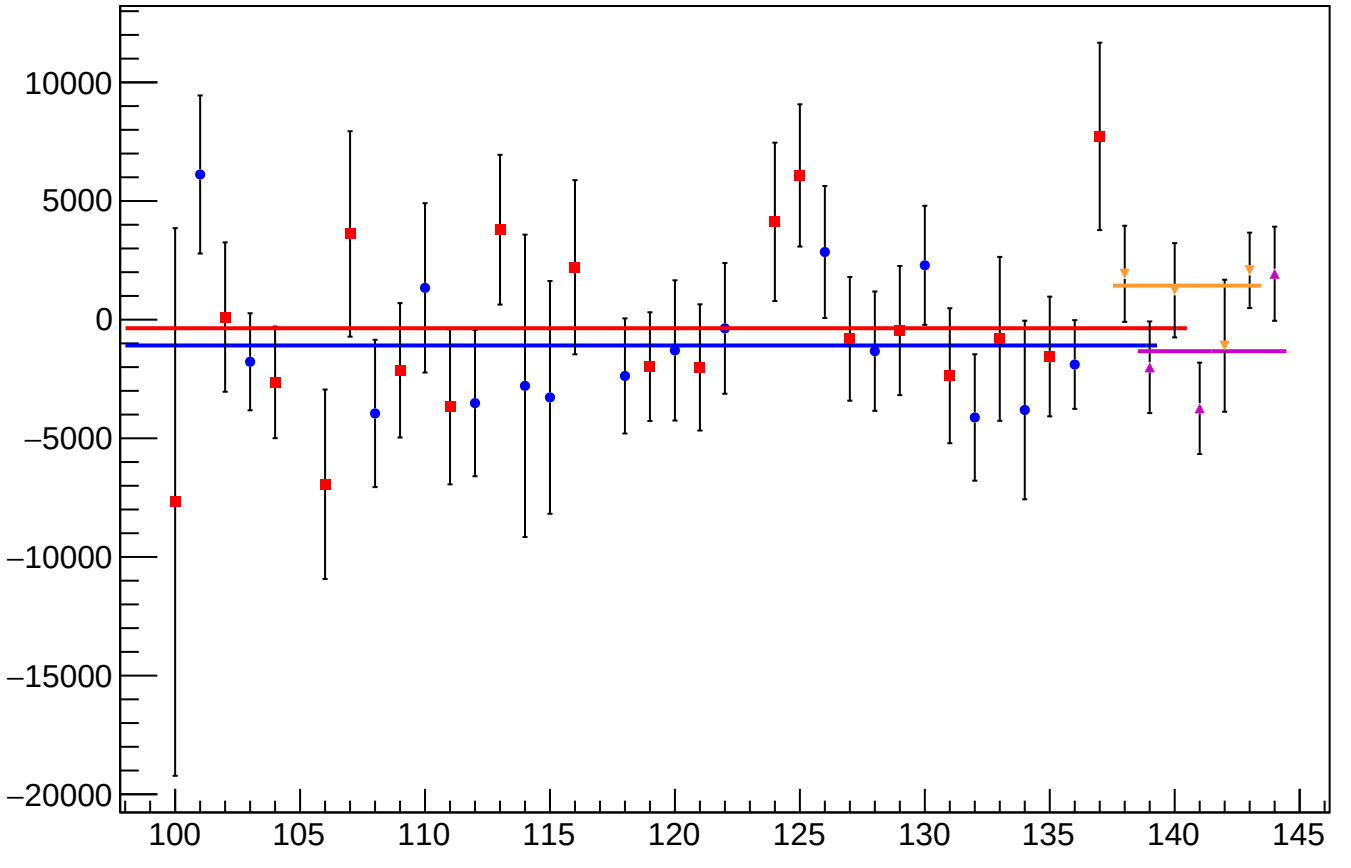
Left: 3768.555+/-1.148 χ^2/NDF: 150675.6/6

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3882.049+/-0.894 χ^2/NDF:741841.1/18

Out: 1286.571+/-0.448 χ^2/NDF:12335708.1/22

All: 1807.111+/-0.400 χ^2/NDF: 19822699.4/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.549+/-988.593 χ^2/NDF:1.1/3

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1329.780+/-1123.483 χ^2/NDF:4.4/2

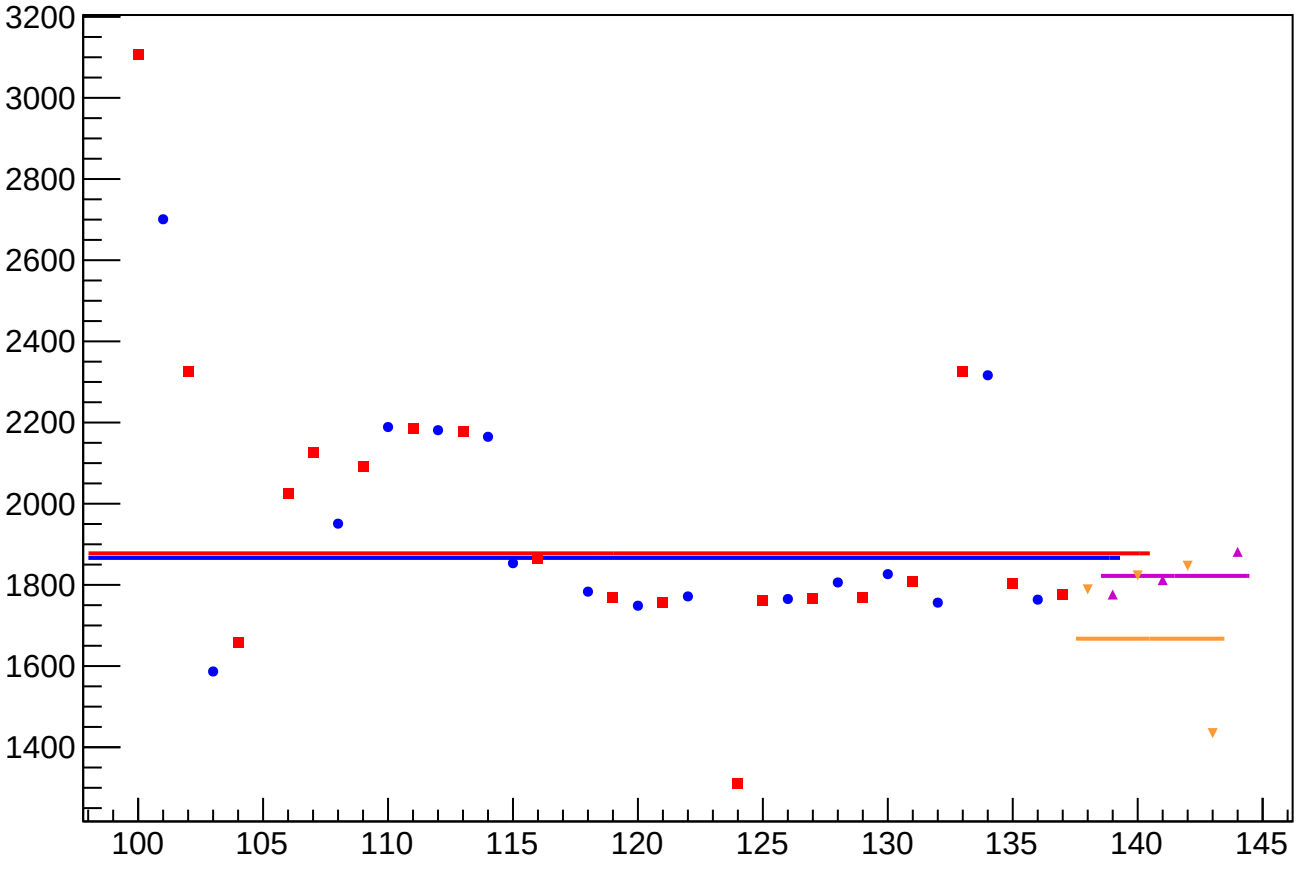
Left: 228.214+/-742.174 χ^2/NDF: 8.9/6

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1155.364+/-593.858 χ^2/NDF:17.6/18

Out: 238.080+/-571.104 χ^2/NDF:24.1/22

All: -431.435+/-411.641 χ^2/NDF: 44.6/41



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1667.442+/-0.699 χ^2/NDF:70852.9/3

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1822.170+/-0.794 χ^2/NDF:2974.8/2

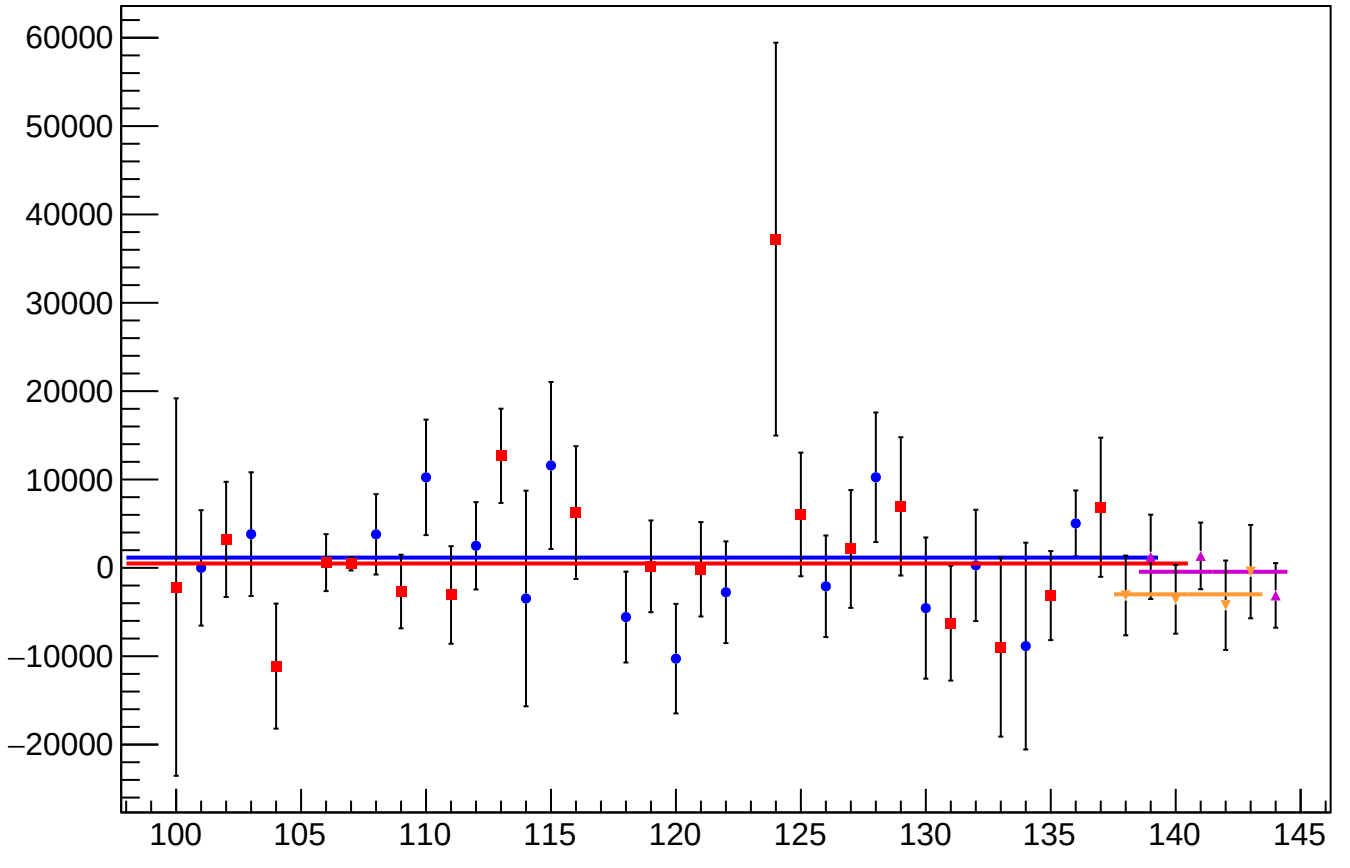
Left: 1734.964+/-0.525 χ^2/NDF: 95208.0/6

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1854.082+/-0.420 χ^2/NDF:261476.4/18

Out: 1807.580+/-0.404 χ^2/NDF:382990.3/22

All: 1829.910+/-0.291 χ^2/NDF: 650841.1/41



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2994.058+/-2293.095 χ^2/NDF:0.3/3

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -440.930+/-2300.524 χ^2/NDF:0.9/2

Left: -1721.623+/-1624.083 χ^2/NDF: 1.8/6

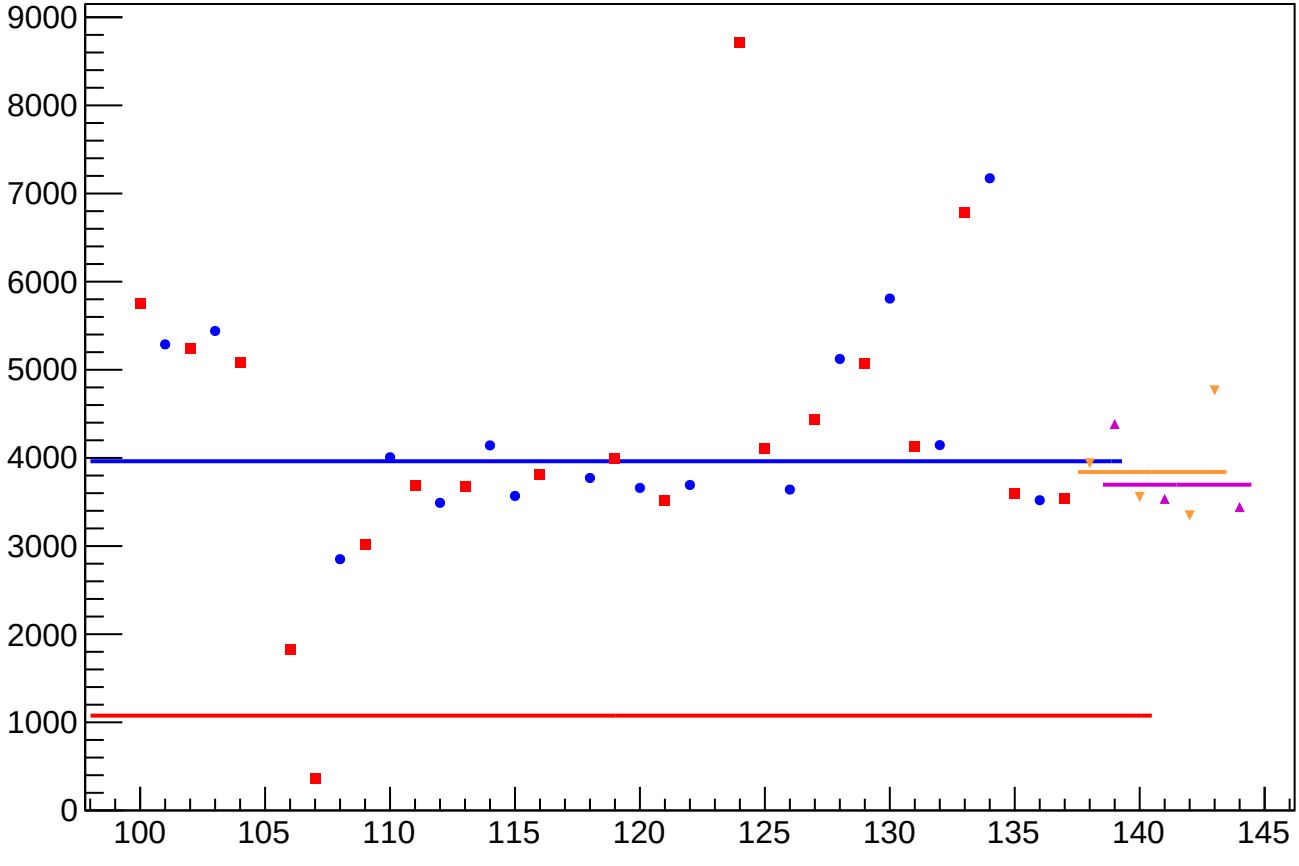
Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 677.736+/-1263.659 χ^2/NDF:14.9/18

Out: 227.253+/-632.939 χ^2/NDF:19.4/22

All: 317.603+/-565.919 χ^2/NDF: 34.4/41

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3840.477+/-1.621 χ^2/NDF:91925.2/3

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3696.169+/-1.627 χ^2/NDF:54803.1/2

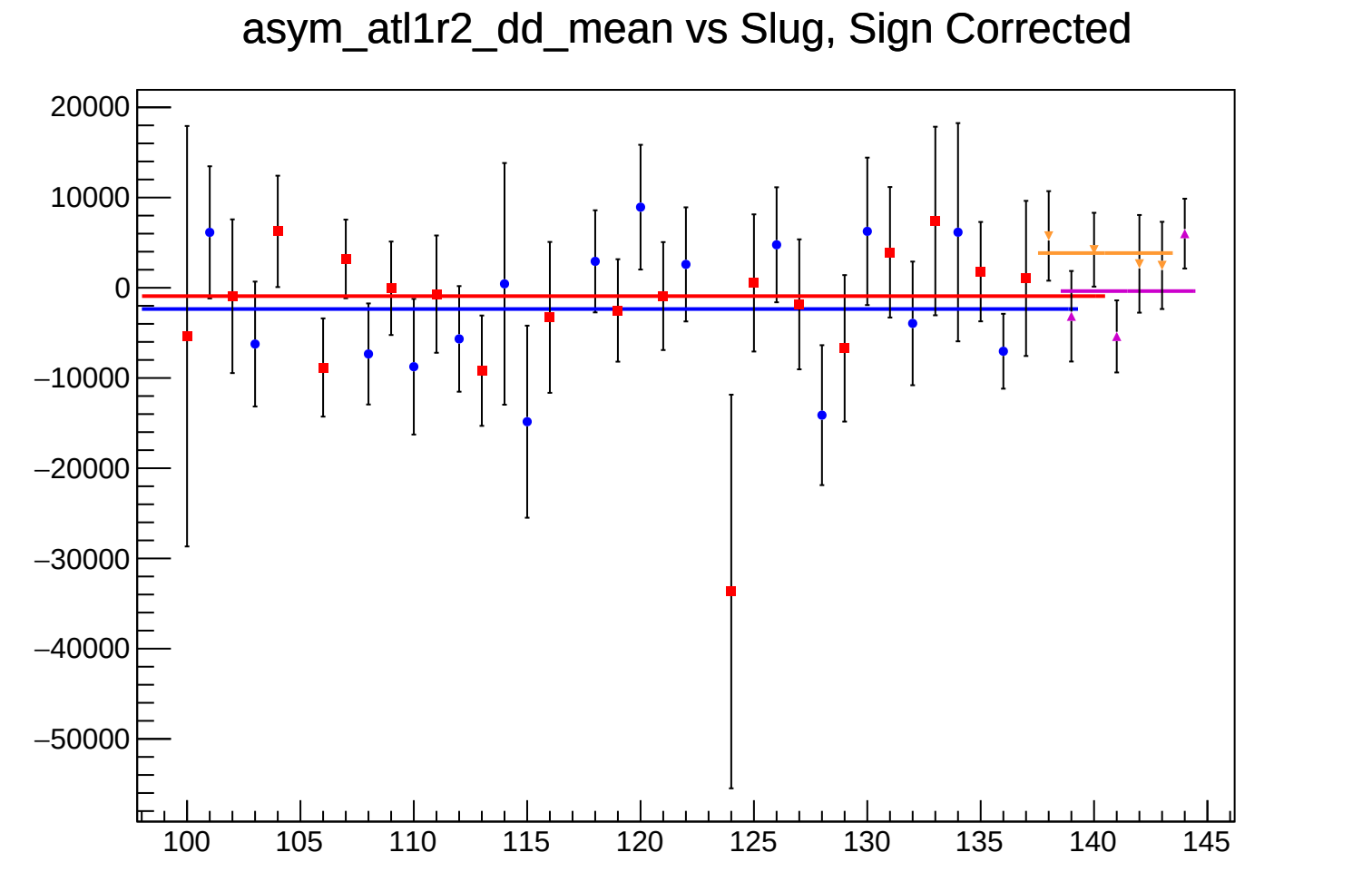
Left: 3768.556+/-1.148 χ^2/NDF: 150675.8/6

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

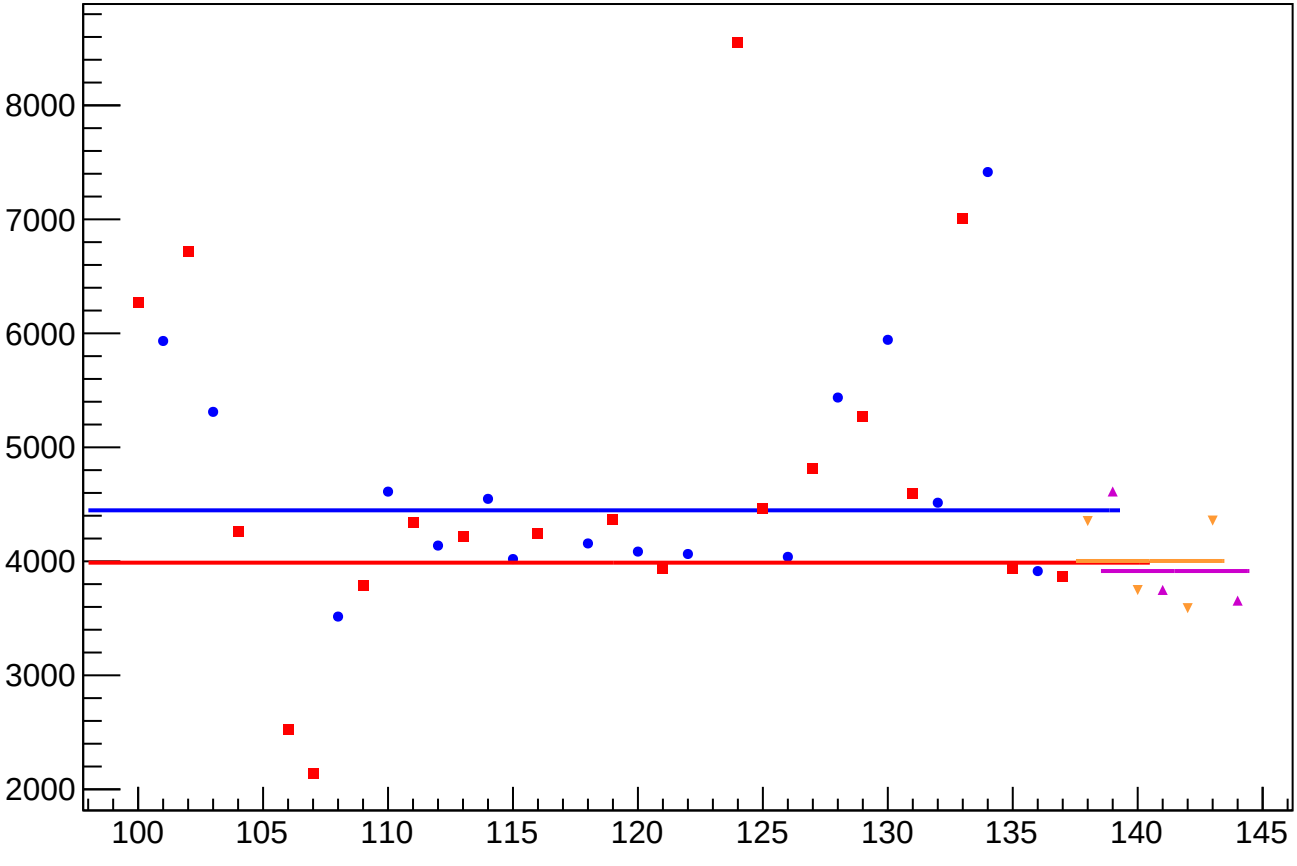
In: 3882.045+/-0.894 χ^2/NDF:741837.0/18

Out: 1286.605+/-0.448 χ^2/NDF:12335512.0/22

All: 1807.152+/-0.400 χ^2/NDF: 19822270.4/4


asym_atl1r2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: -2354.851+/-1684.784 χ²/NDF: 15.5/15
Left Out: 3847.908+/-2374.884 χ²/NDF:0.3/3
Right Out: -924.896+/-1546.889 χ²/NDF: 10.6/18
Left In: -366.901+/-2430.970 χ²/NDF:4.6/2
Left: 1789.685+/-1698.779 χ²/NDF: 6.4/6
Right: -1578.969+/-1139.452 χ²/NDF: 26.5/34
In: -1709.822+/-1384.735 χ²/NDF:20.6/18
Out: 496.835+/-1296.177 χ²/NDF:13.7/22
All: -533.680+/-946.295 χ²/NDF: 35.7/41

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4003.073+/-1.679 χ^2/NDF:40184.8/3

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3914.953+/-1.719 χ^2/NDF:51152.1/2

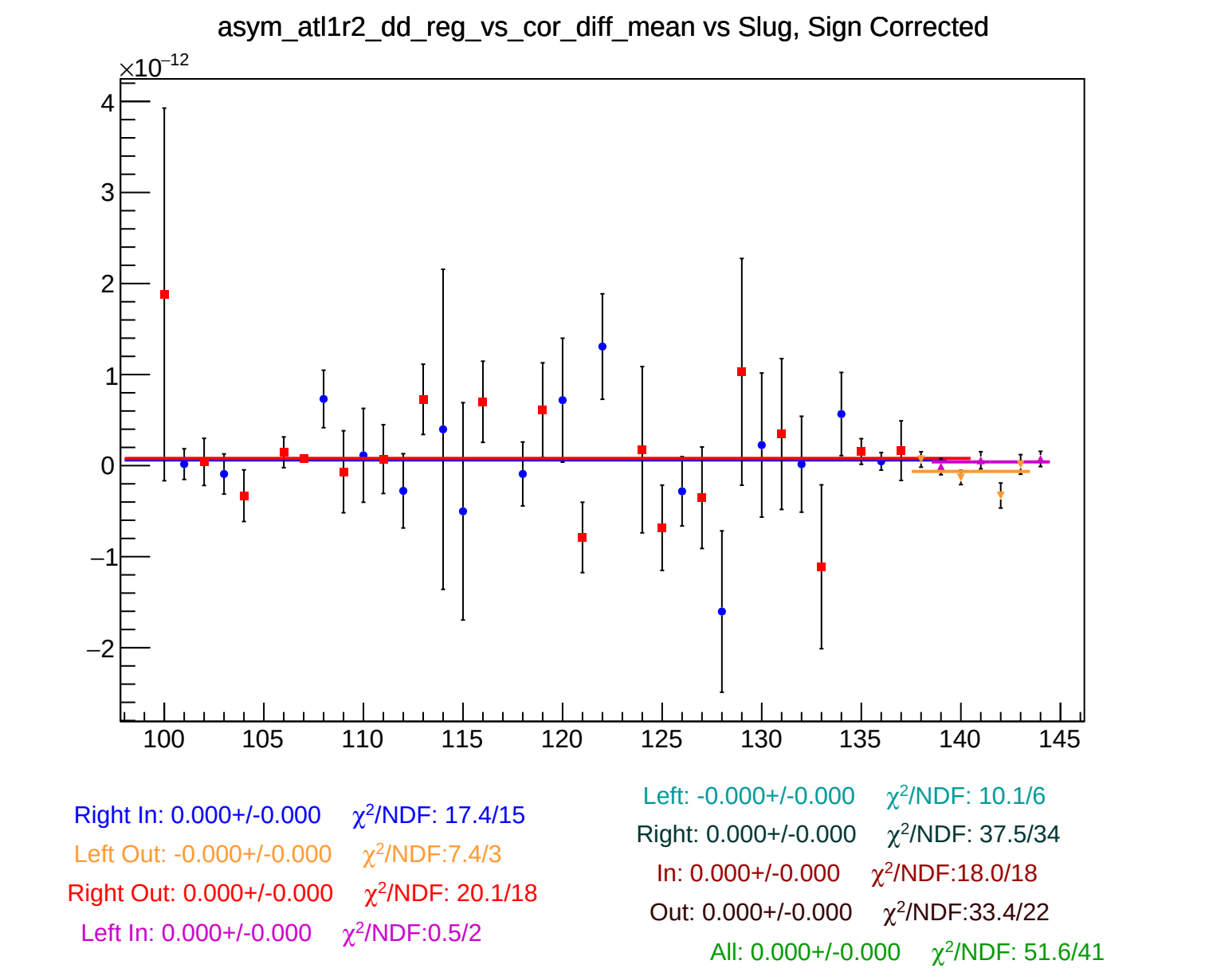
Left: 3960.042+/-1.201 χ^2/NDF: 92681.5/6

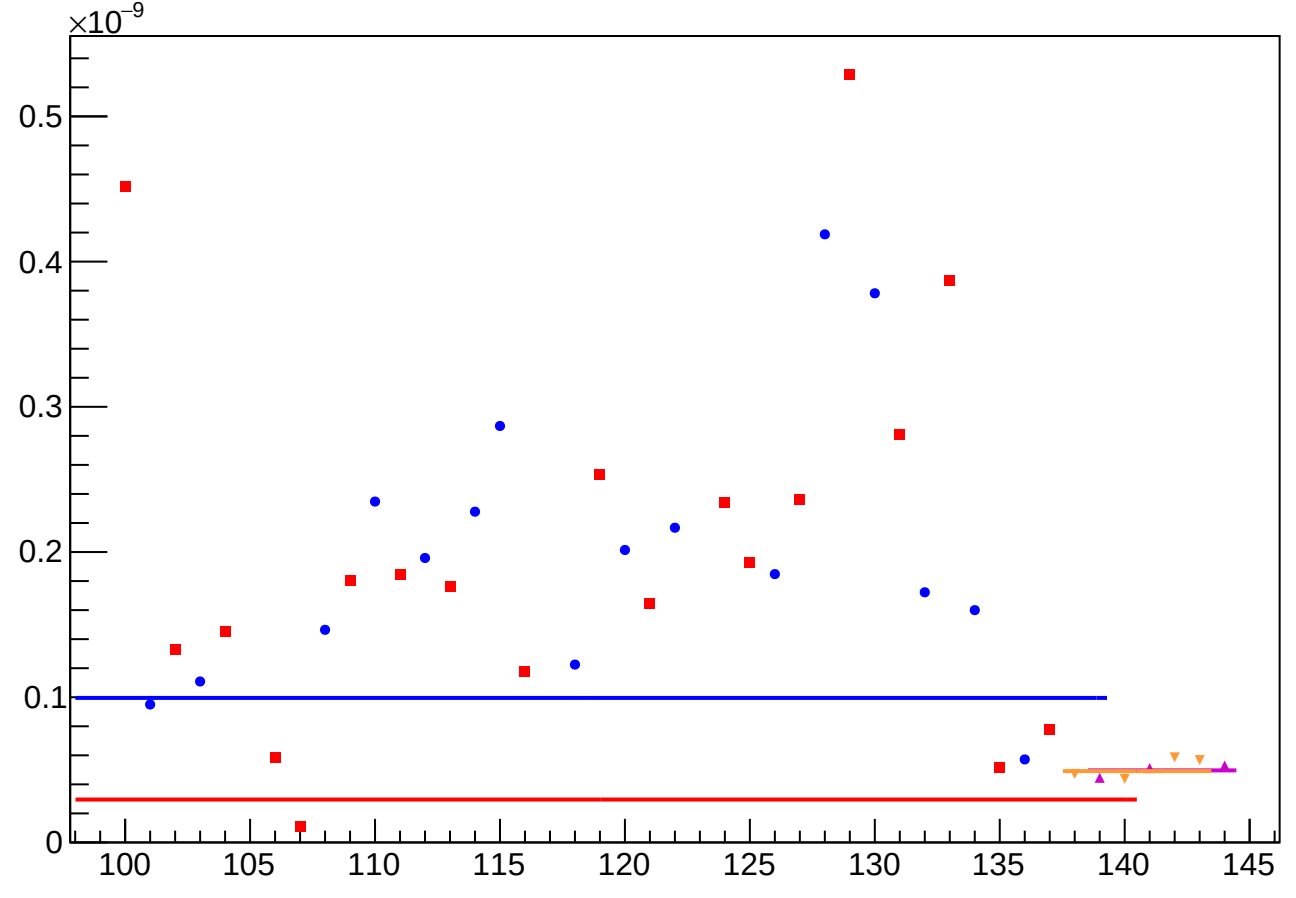
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4274.653+/-0.979 χ^2/NDF:574222.9/18

Out: 3992.603+/-0.910 χ^2/NDF:1184172.2/22

All: 4123.337+/-0.667 χ^2/NDF: 1802910.4/41


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:7.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.5/2
Left: -0.000+/-0.000 χ²/NDF: 10.1/6
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:18.0/18
Out: 0.000+/-0.000 χ²/NDF:33.4/22
All: 0.000+/-0.000 χ²/NDF: 51.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:29681.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:10343.6/2

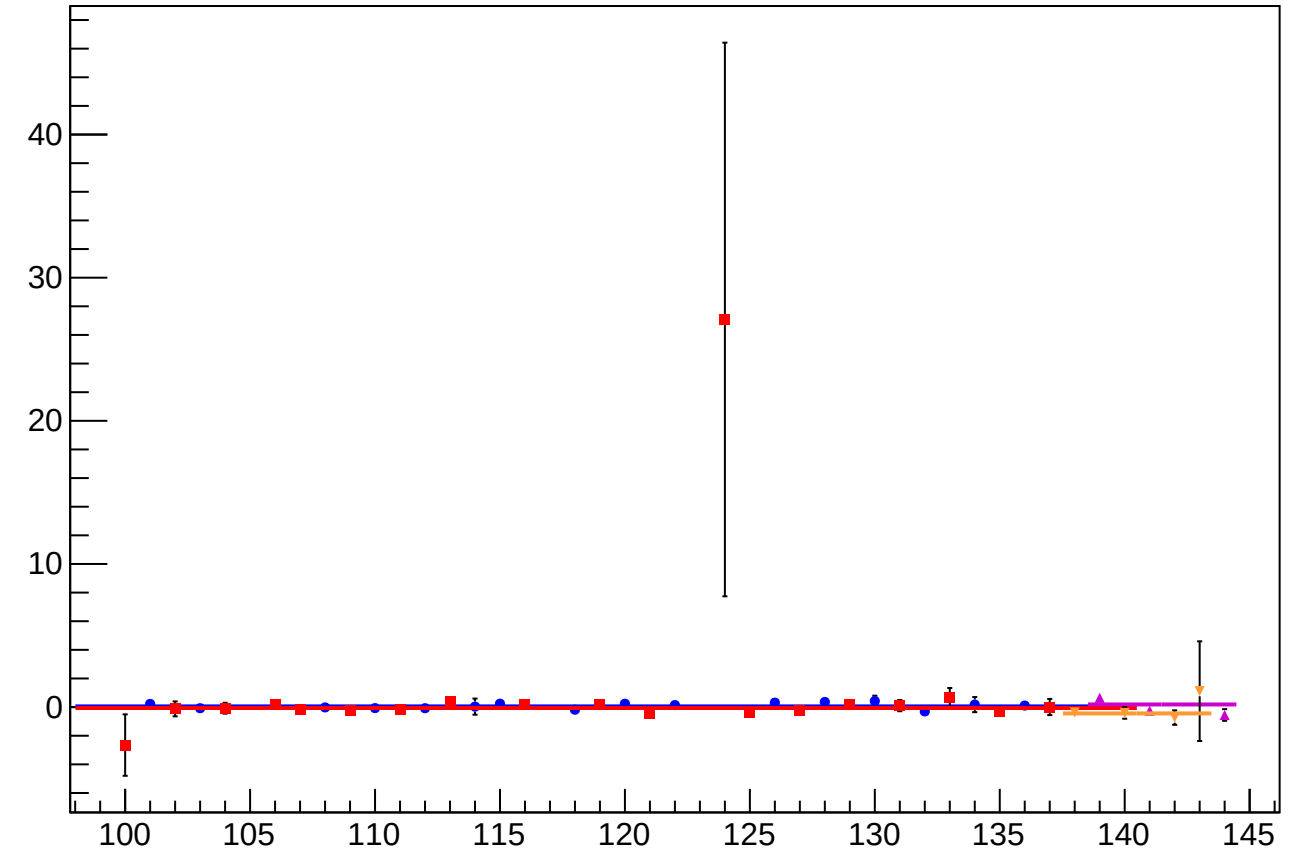
Left: 0.000+/-0.000 χ^2/NDF: 40123.9/6

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2260364.4/18

Out: 0.000+/-0.000 χ^2/NDF:4620381.4/22

All: 0.000+/-0.000 χ^2/NDF: 7709602.8/41



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.185+/-0.177 χ^2/NDF:8.7/2

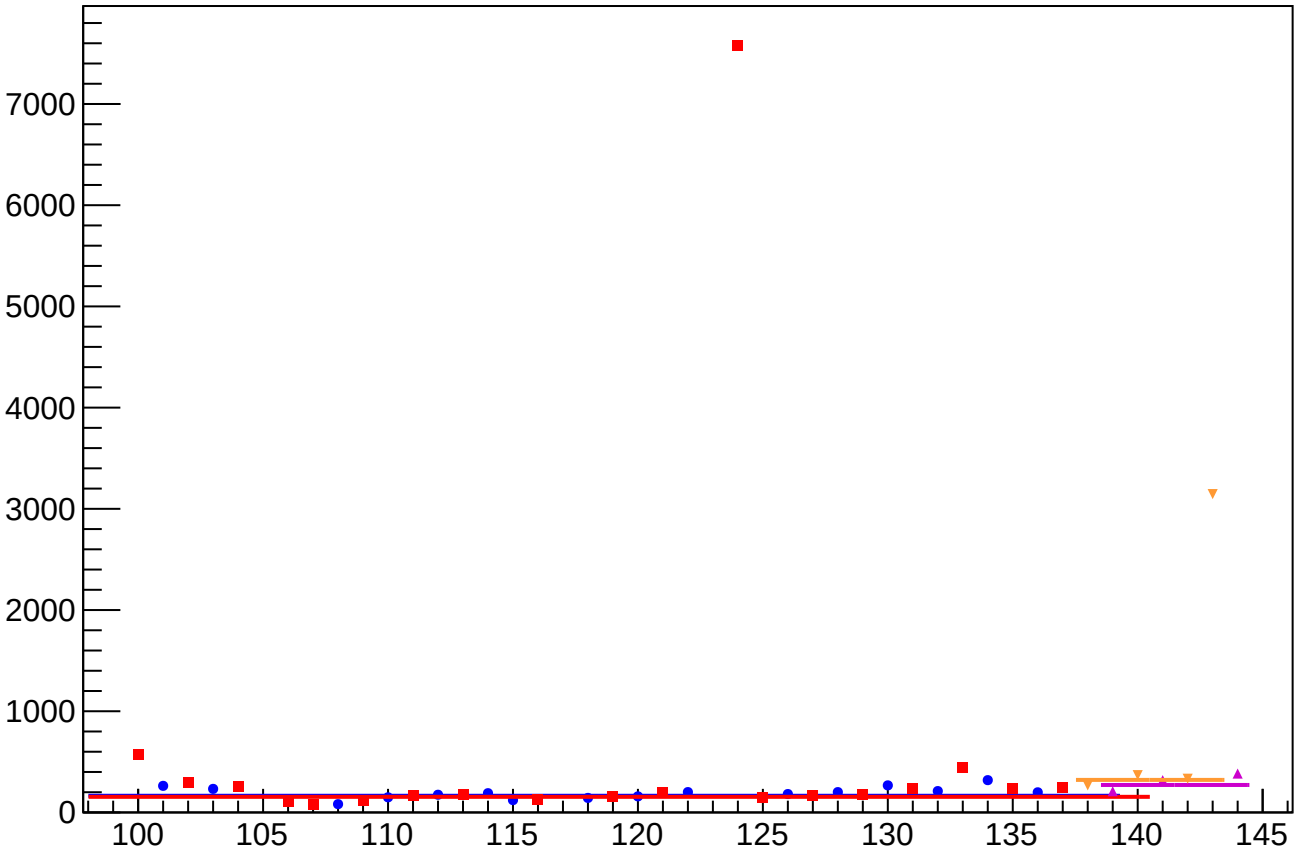
Left: -0.059+/-0.138 χ^2/NDF: 14.1/6

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.065+/-0.062 χ^2/NDF:16.8/18

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.013+/-0.044 χ^2/NDF: 41.7/41



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 321.655+/-0.157 χ^2/NDF:1404572.8/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 271.576+/-0.125 χ^2/NDF:327035.6/2

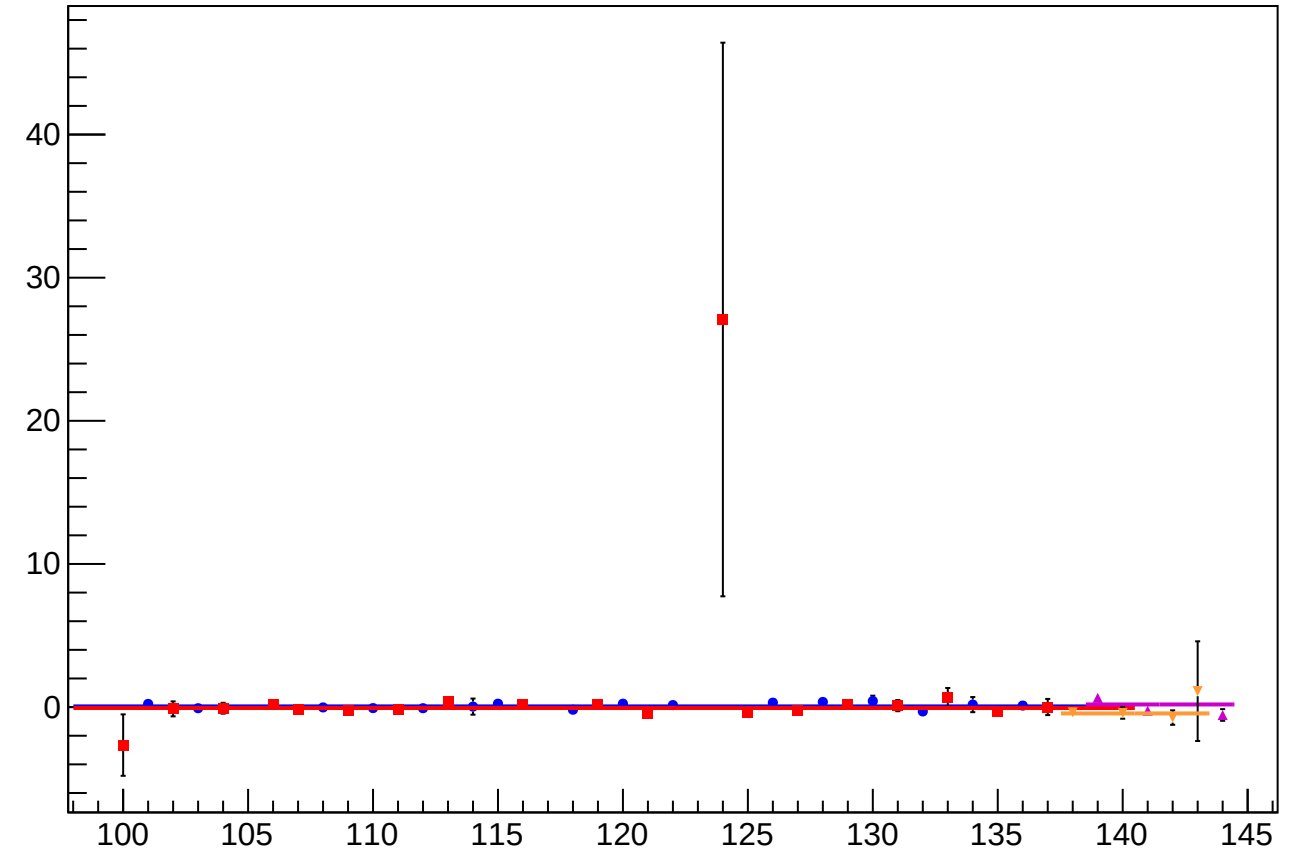
Left: 291.026+/-0.098 χ^2/NDF: 1794111.8/6

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 178.090+/-0.044 χ^2/NDF:2441953.3/18

Out: 167.422+/-0.044 χ^2/NDF:4377135.3/22

All: 172.729+/-0.031 χ^2/NDF: 6848693.7/41



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.185+/-0.177 χ^2/NDF:8.7/2

Left: -0.059+/-0.138 χ^2/NDF: 14.1/6

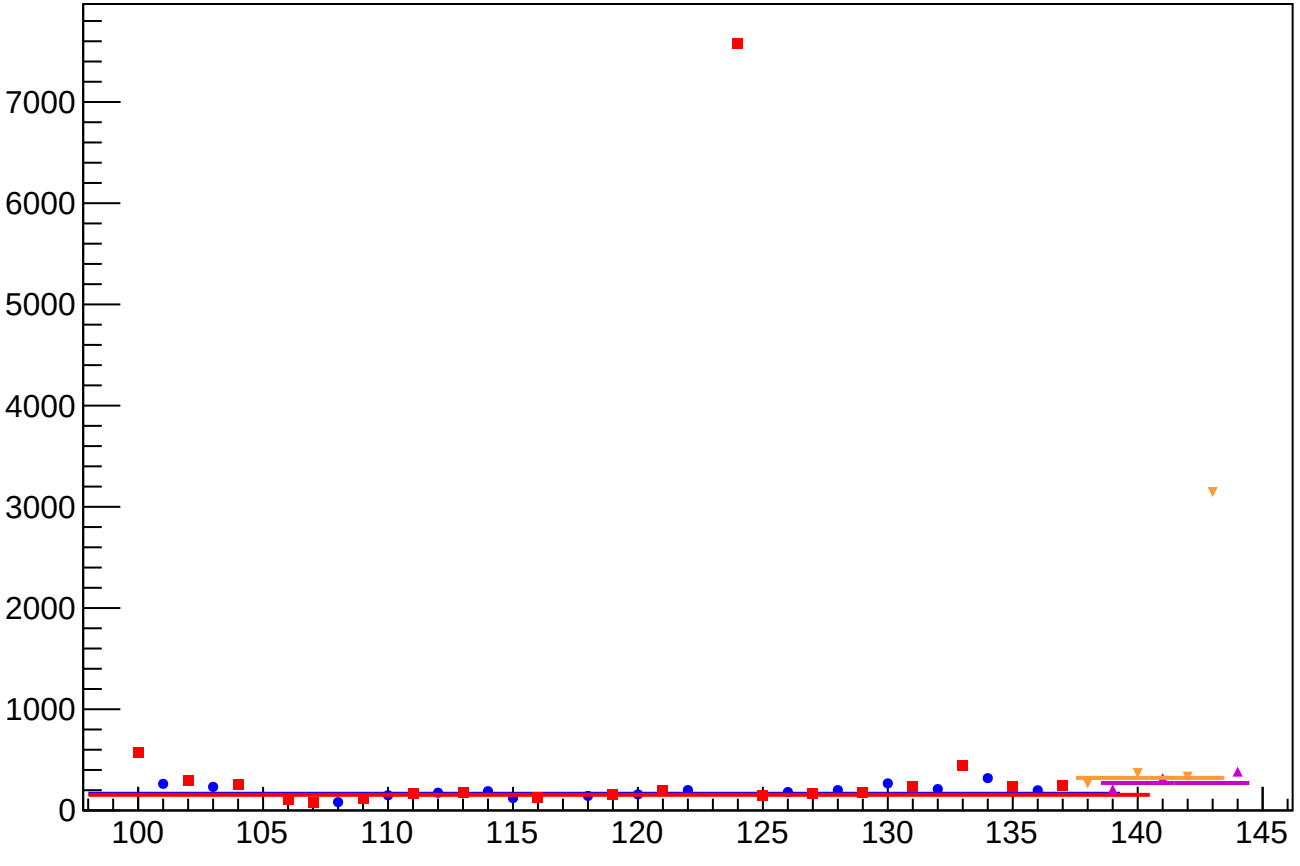
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.065+/-0.062 χ^2/NDF:16.8/18

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.013+/-0.044 χ^2/NDF: 41.7/41

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 321.655+/-0.157 χ^2/NDF:1404572.8/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 271.576+/-0.125 χ^2/NDF:327035.6/2

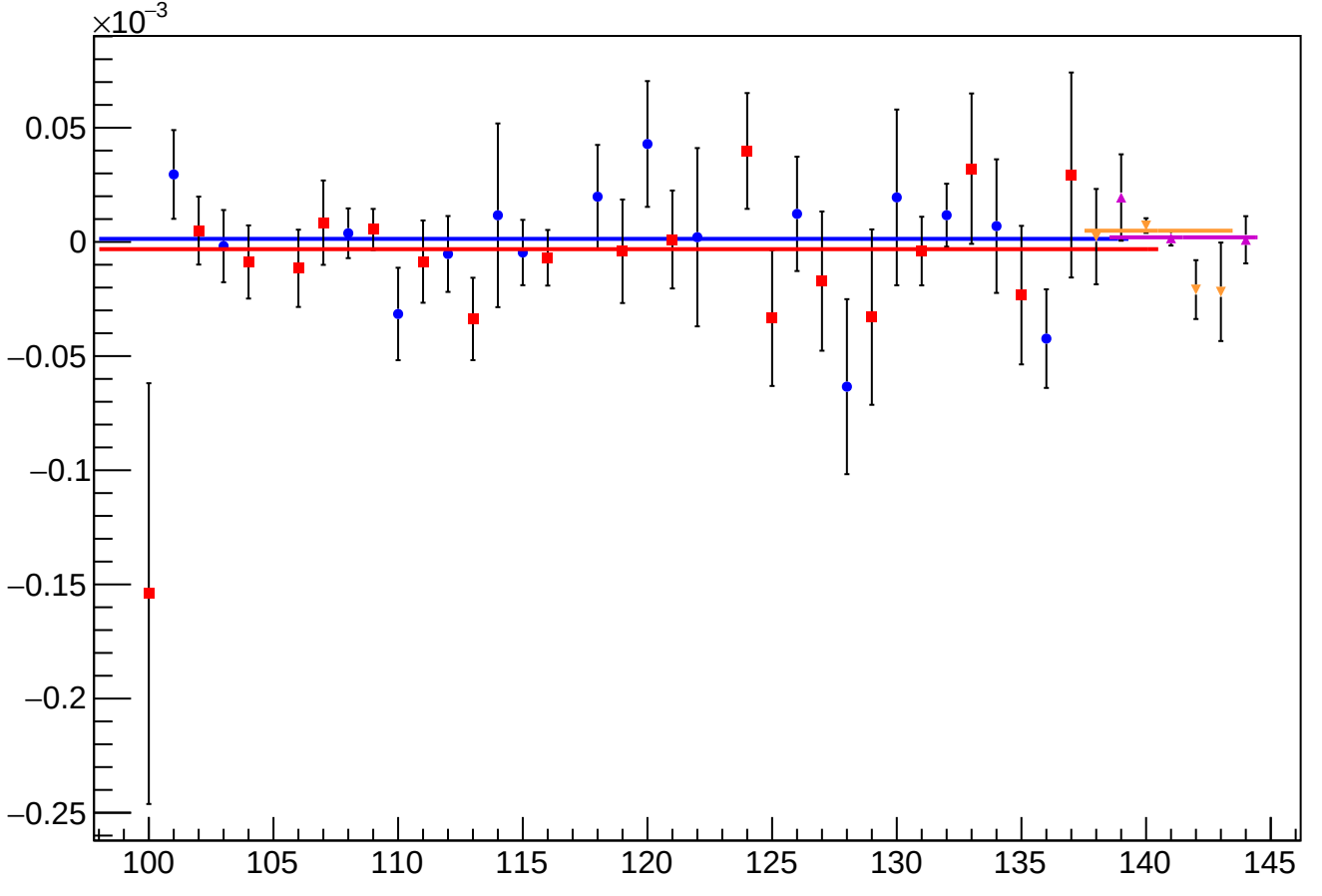
Left: 291.026+/-0.098 χ^2/NDF: 1794111.8/6

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 178.090+/-0.044 χ^2/NDF:2441953.3/18

Out: 167.422+/-0.044 χ^2/NDF:4377135.3/22

All: 172.729+/-0.031 χ^2/NDF: 6848693.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

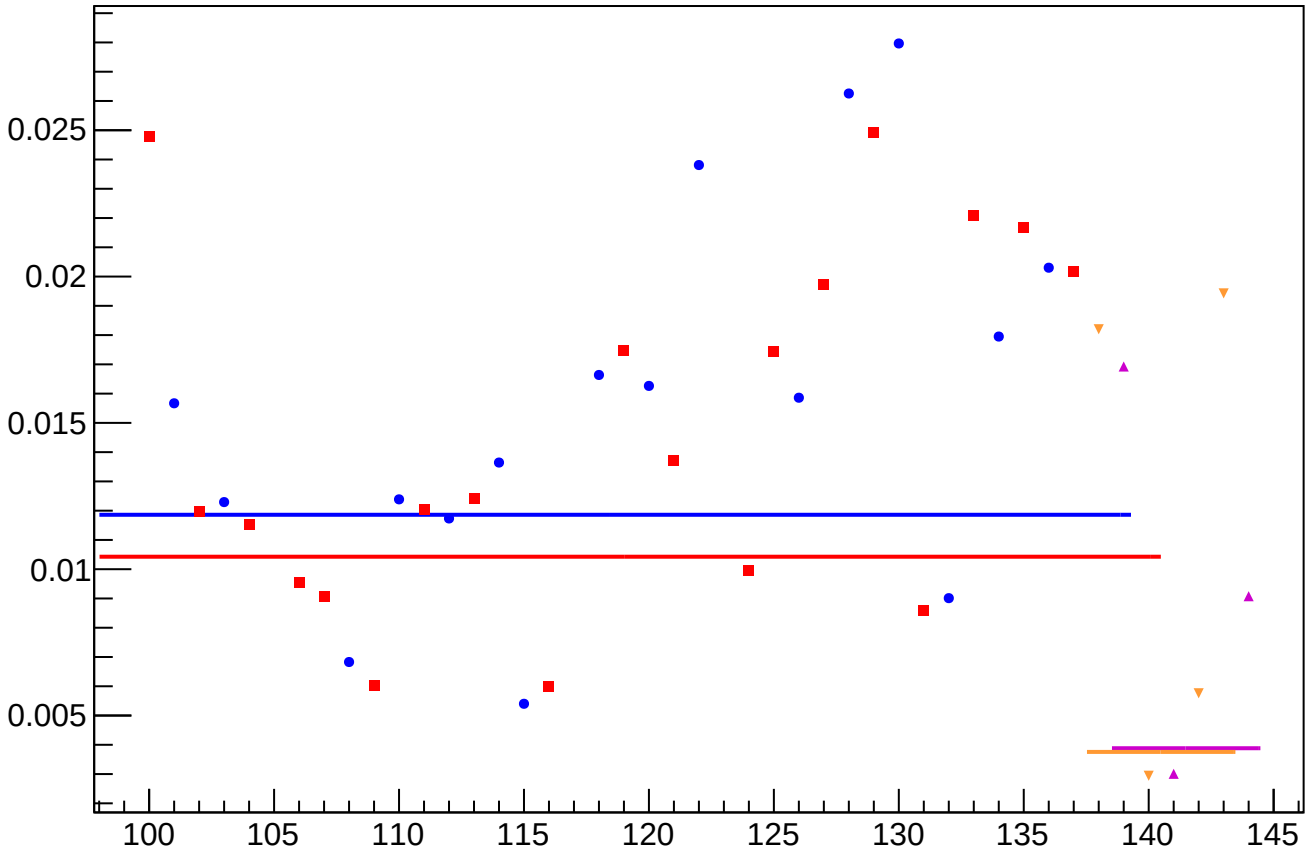
Left: 0.000+/-0.000 χ^2/NDF: 7.4/6

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.0/18

Out: 0.000+/-0.000 χ^2/NDF:23.0/22

All: 0.000+/-0.000 χ^2/NDF: 40.1/41



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2189965.1/3

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.004+/-0.000 χ^2/NDF:1604800.2/2

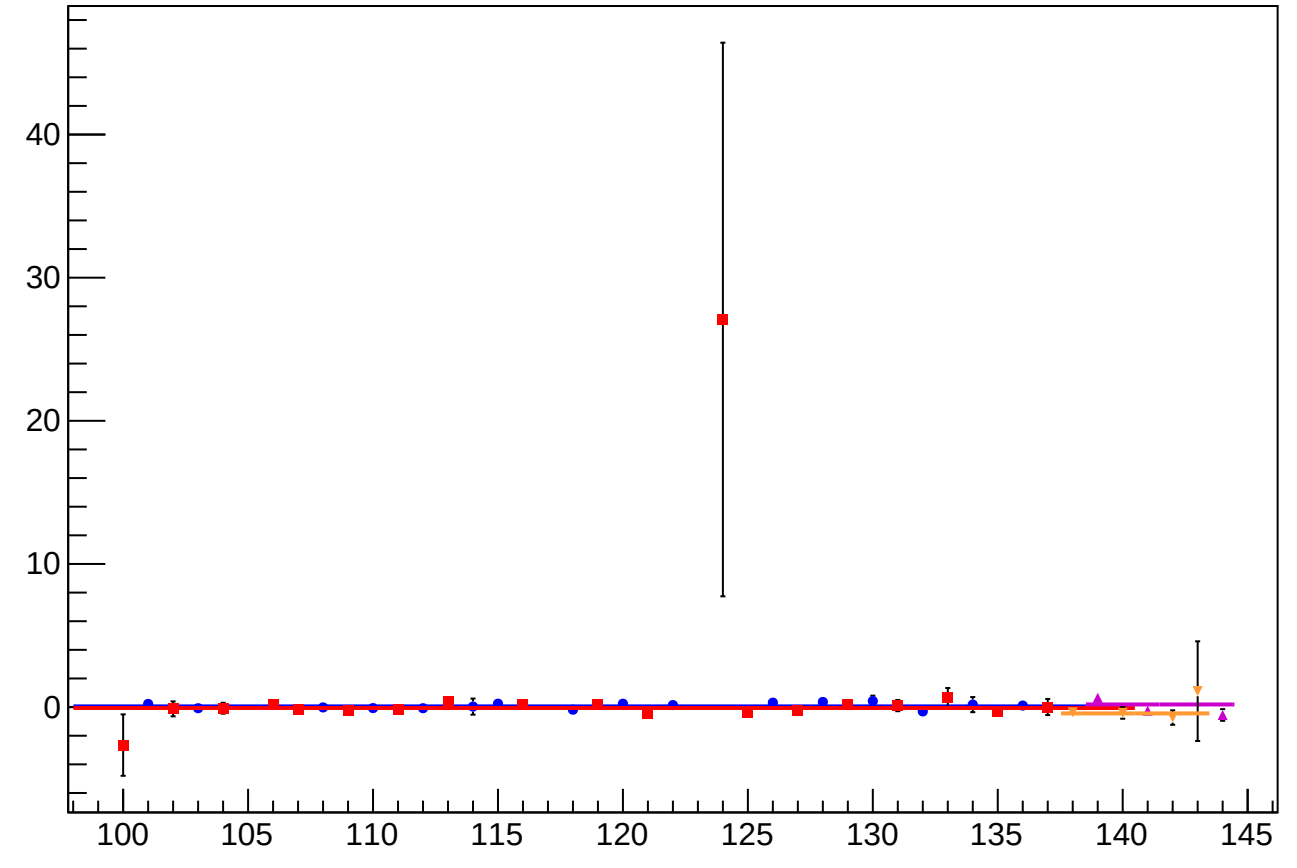
Left: 0.004+/-0.000 χ^2/NDF: 3796482.7/6

Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7882536.9/18

Out: 0.006+/-0.000 χ^2/NDF:7808156.5/22

All: 0.006+/-0.000 χ^2/NDF: 15691324.0/41



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.185+/-0.177 χ^2/NDF:8.7/2

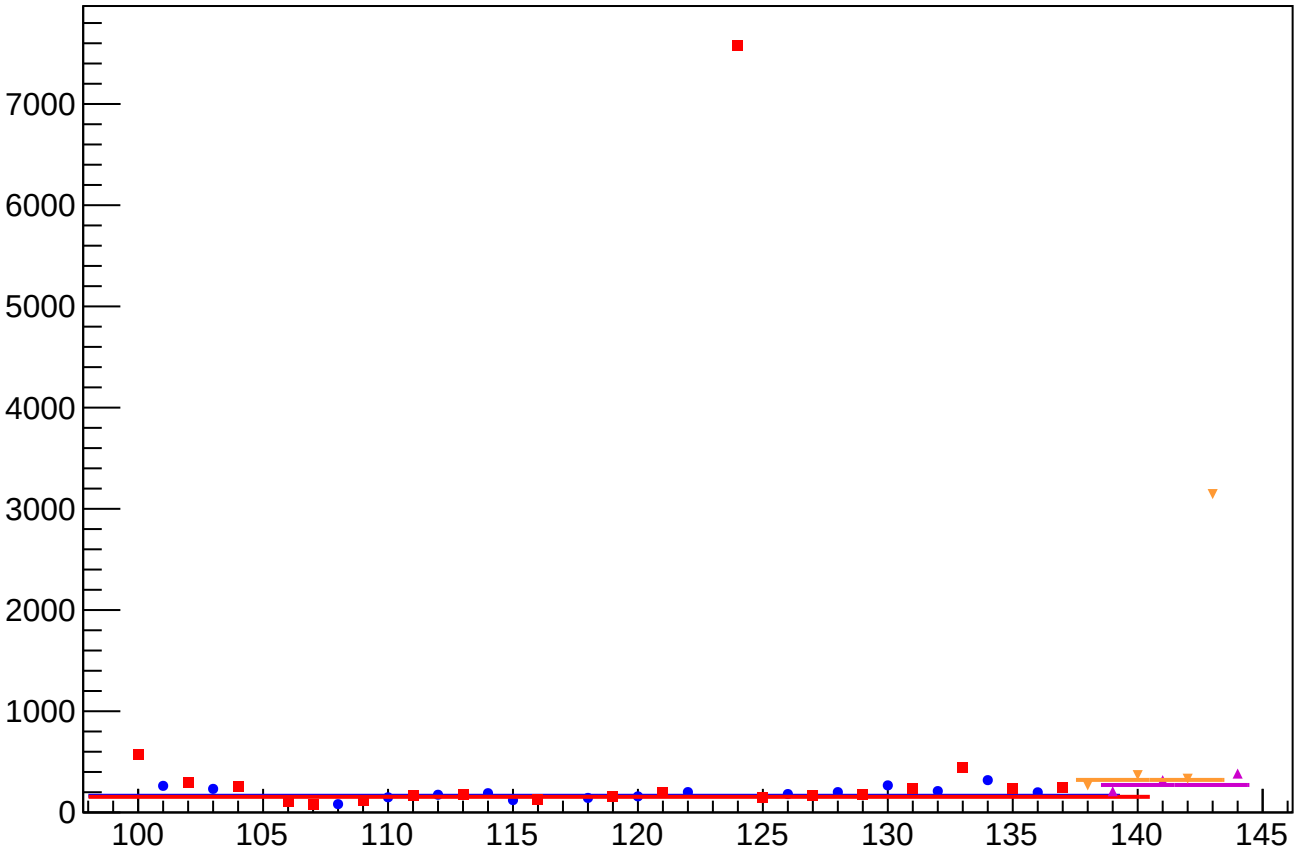
Left: -0.059+/-0.138 χ^2/NDF: 14.1/6

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.065+/-0.062 χ^2/NDF:16.8/18

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.013+/-0.044 χ^2/NDF: 41.7/41



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 321.658+/-0.157 χ^2/NDF:1404558.1/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 271.578+/-0.125 χ^2/NDF:327023.4/2

Left: 291.028+/-0.098 χ^2/NDF: 1794086.5/6

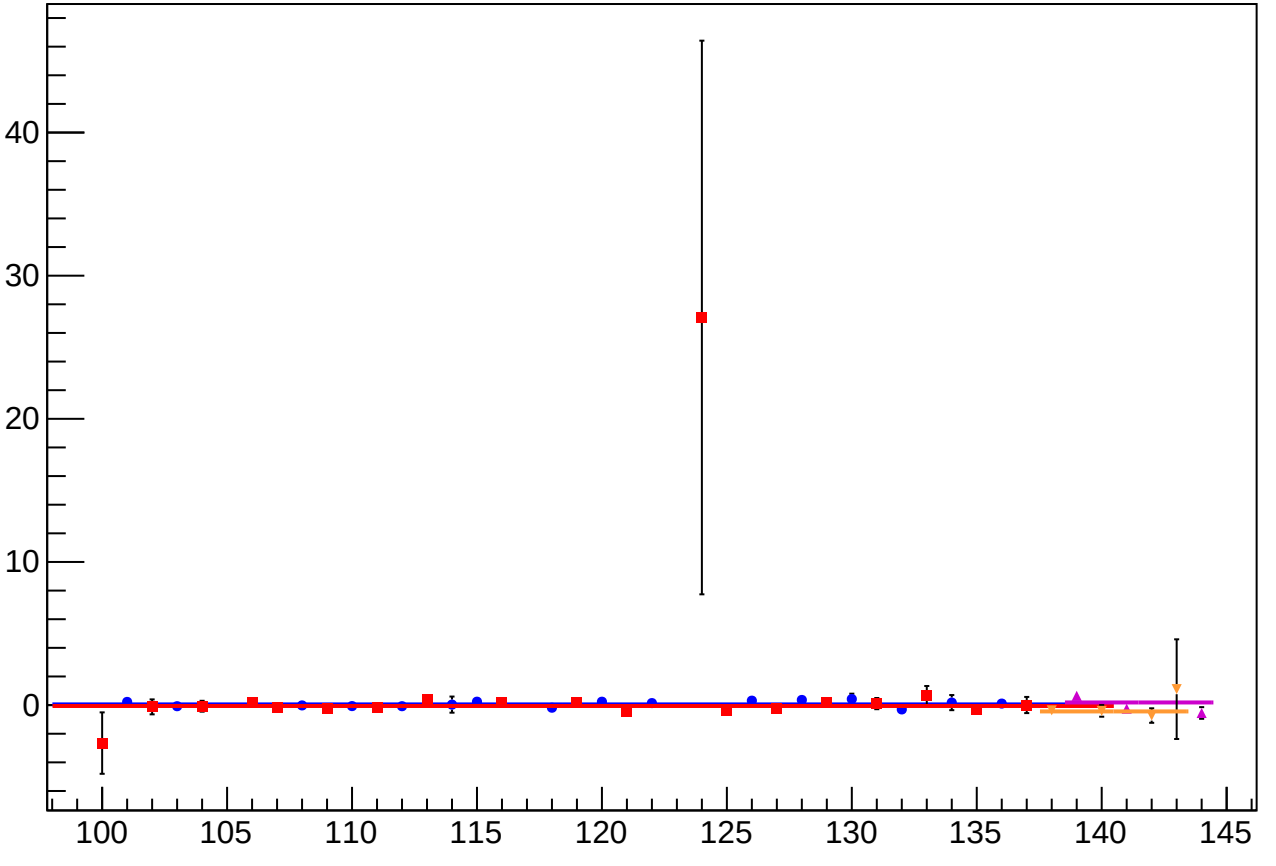
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 178.090+/-0.044 χ^2/NDF:2441937.8/18

Out: 167.422+/-0.044 χ^2/NDF:4377175.1/22

All: 172.729+/-0.031 χ^2/NDF: 6848718.7/41

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: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.185+/-0.177 χ^2/NDF:8.7/2

Left: -0.059+/-0.138 χ^2/NDF: 14.1/6

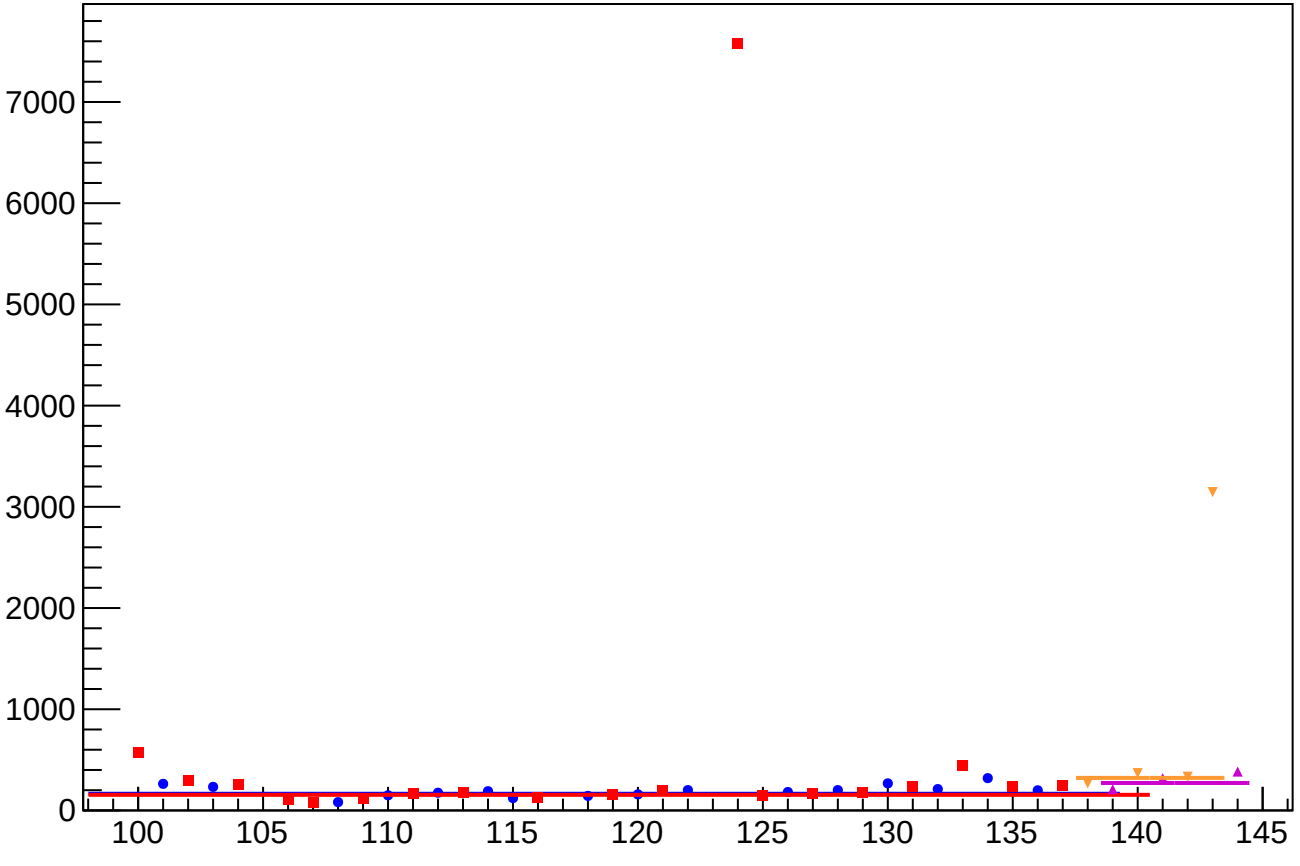
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.065+/-0.062 χ^2/NDF:16.8/18

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.013+/-0.044 χ^2/NDF: 41.7/41

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: 321.658+/-0.157 χ^2/NDF:1404558.1/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 271.578+/-0.125 χ^2/NDF:327023.4/2

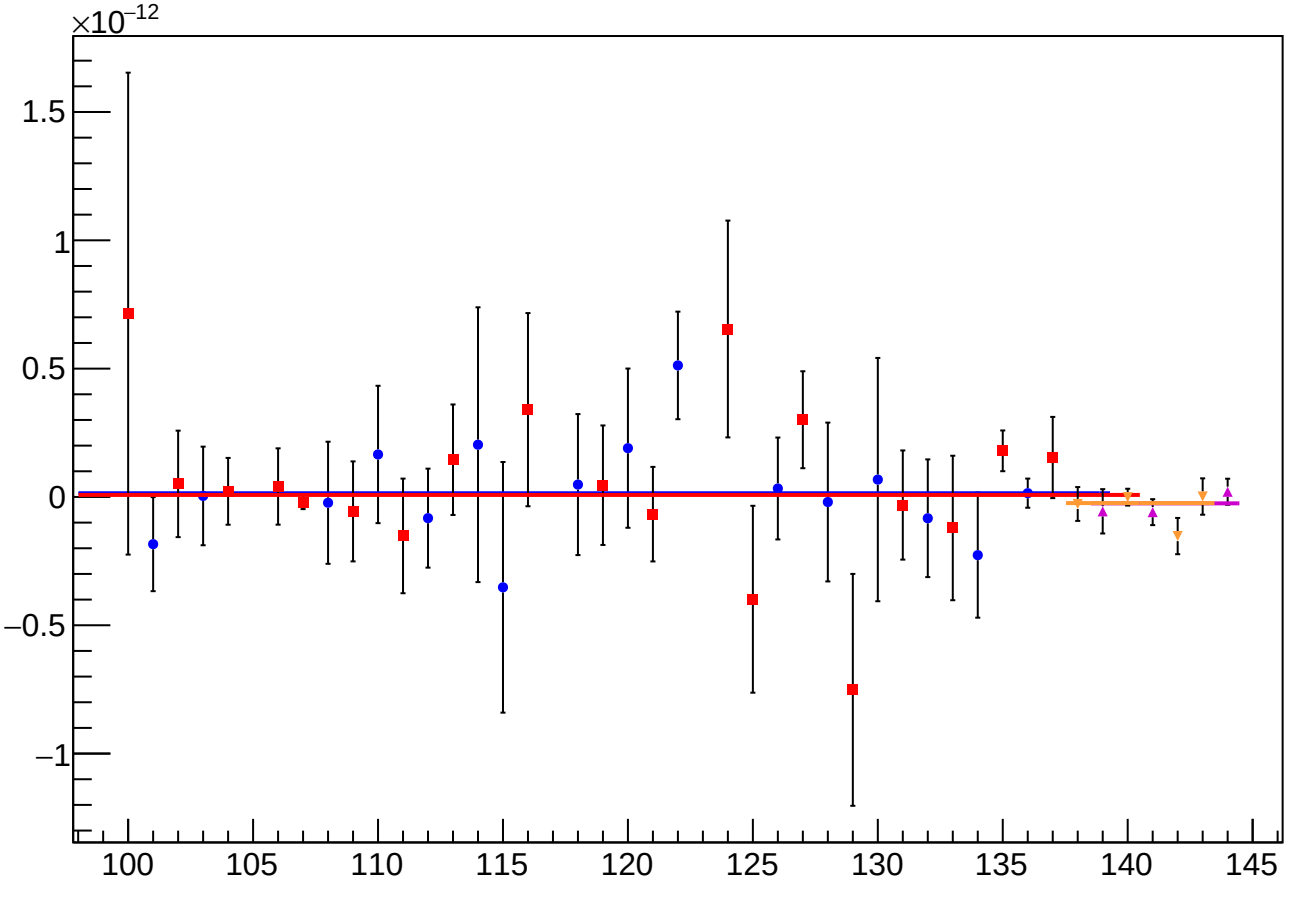
Left: 291.028+/-0.098 χ^2/NDF: 1794086.5/6

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 178.090+/-0.044 χ^2/NDF:2441937.8/18

Out: 167.422+/-0.044 χ^2/NDF:4377175.1/22

All: 172.729+/-0.031 χ^2/NDF: 6848718.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

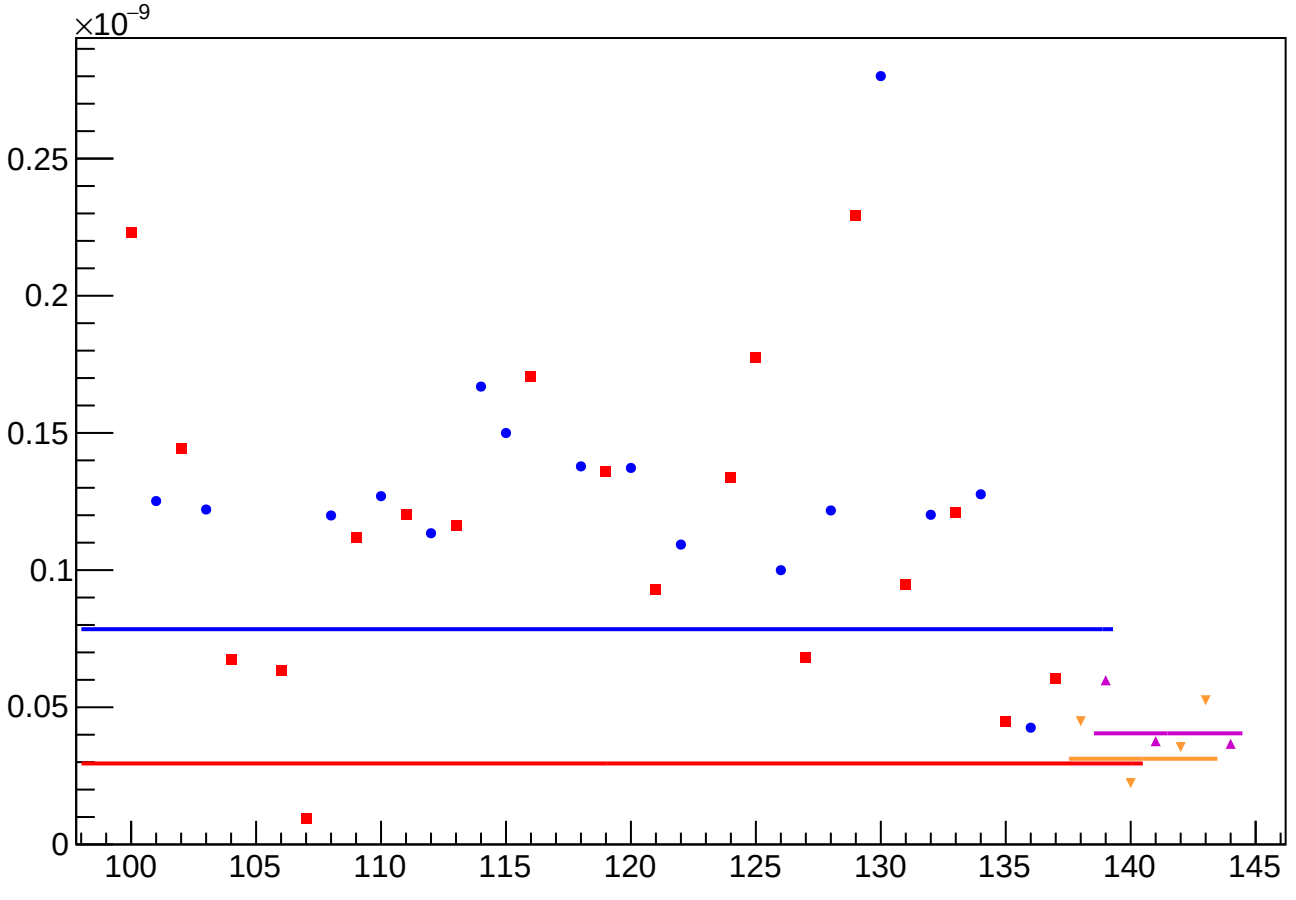
Left: -0.000+/-0.000 χ^2/NDF: 5.3/6

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:11.5/18

Out: -0.000+/-0.000 χ^2/NDF:23.2/22

All: -0.000+/-0.000 χ^2/NDF: 34.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:420574.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:118109.5/2

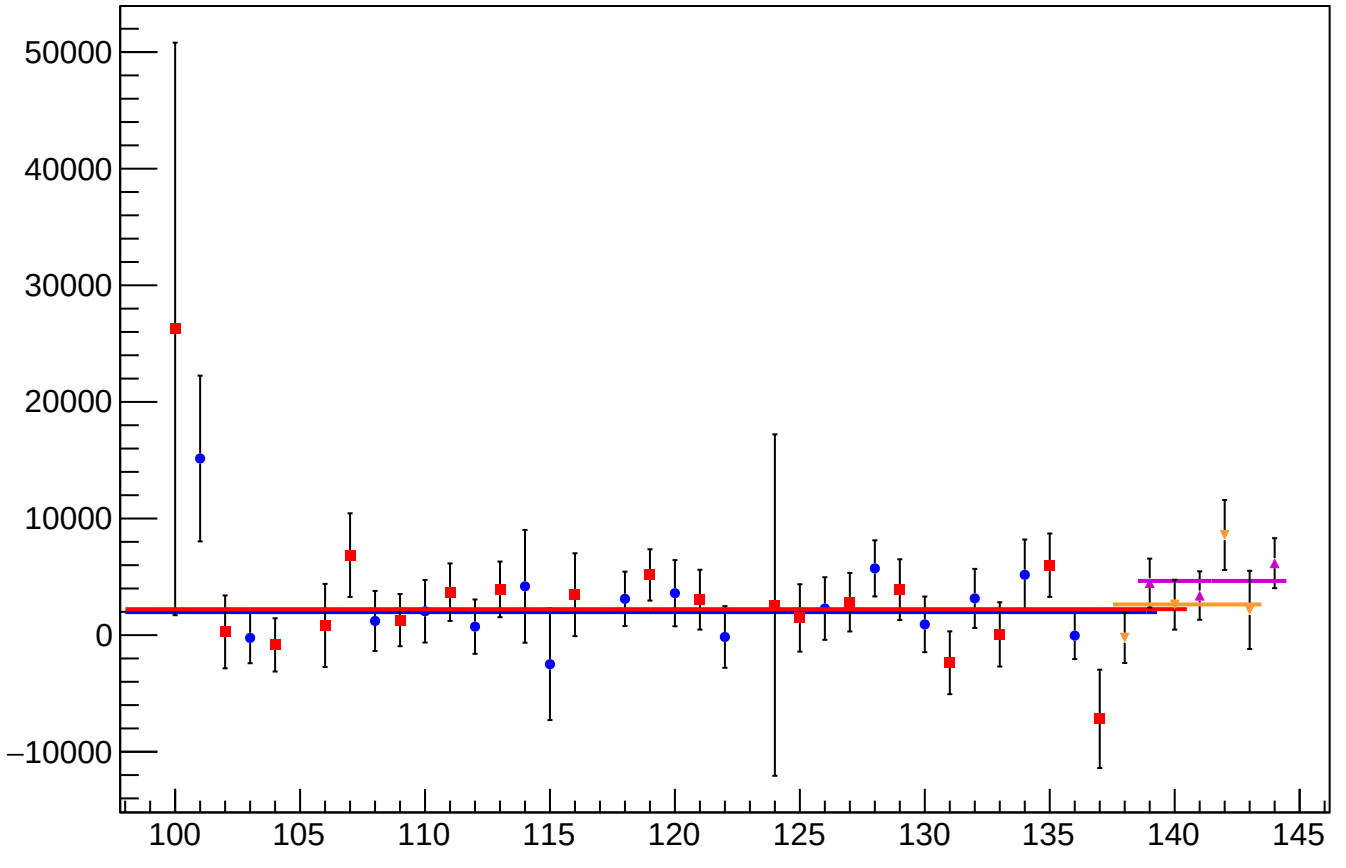
Left: 0.000+/-0.000 χ^2/NDF: 637346.7/6

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3217112.1/18

Out: 0.000+/-0.000 χ^2/NDF:5913026.3/22

All: 0.000+/-0.000 χ^2/NDF: 10375495.9/41



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.498+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 4648.983+/-1214.283 χ^2/NDF:0.9/2

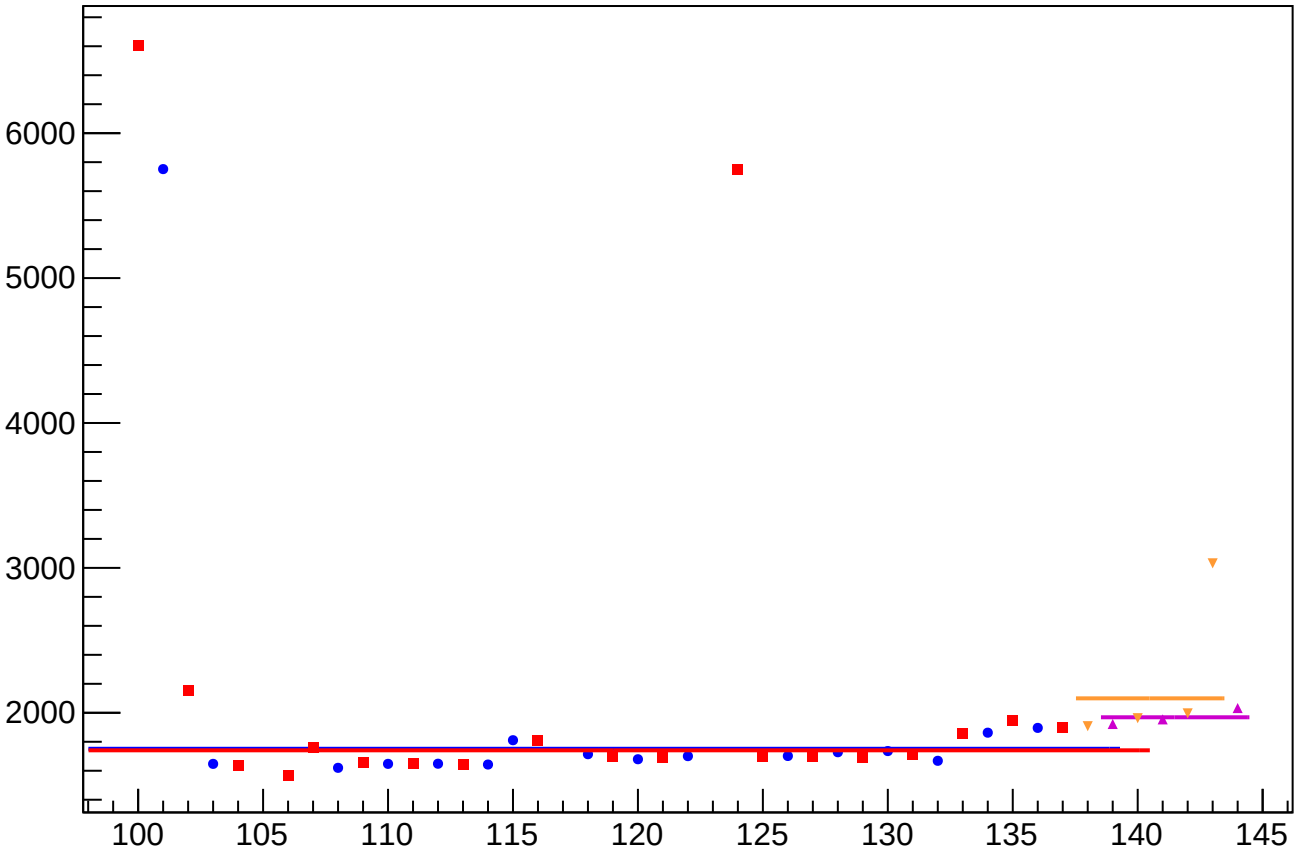
Left: 3675.473+/-873.292 χ^2/NDF: 7.9/6

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2596.810+/-585.087 χ^2/NDF:16.7/18

Out: 2313.223+/-581.752 χ^2/NDF:24.8/22

All: 2454.206+/-412.535 χ^2/NDF: 41.6/41



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

Left: 2032.074+/-0.618 χ^2/NDF: 194726.7/6

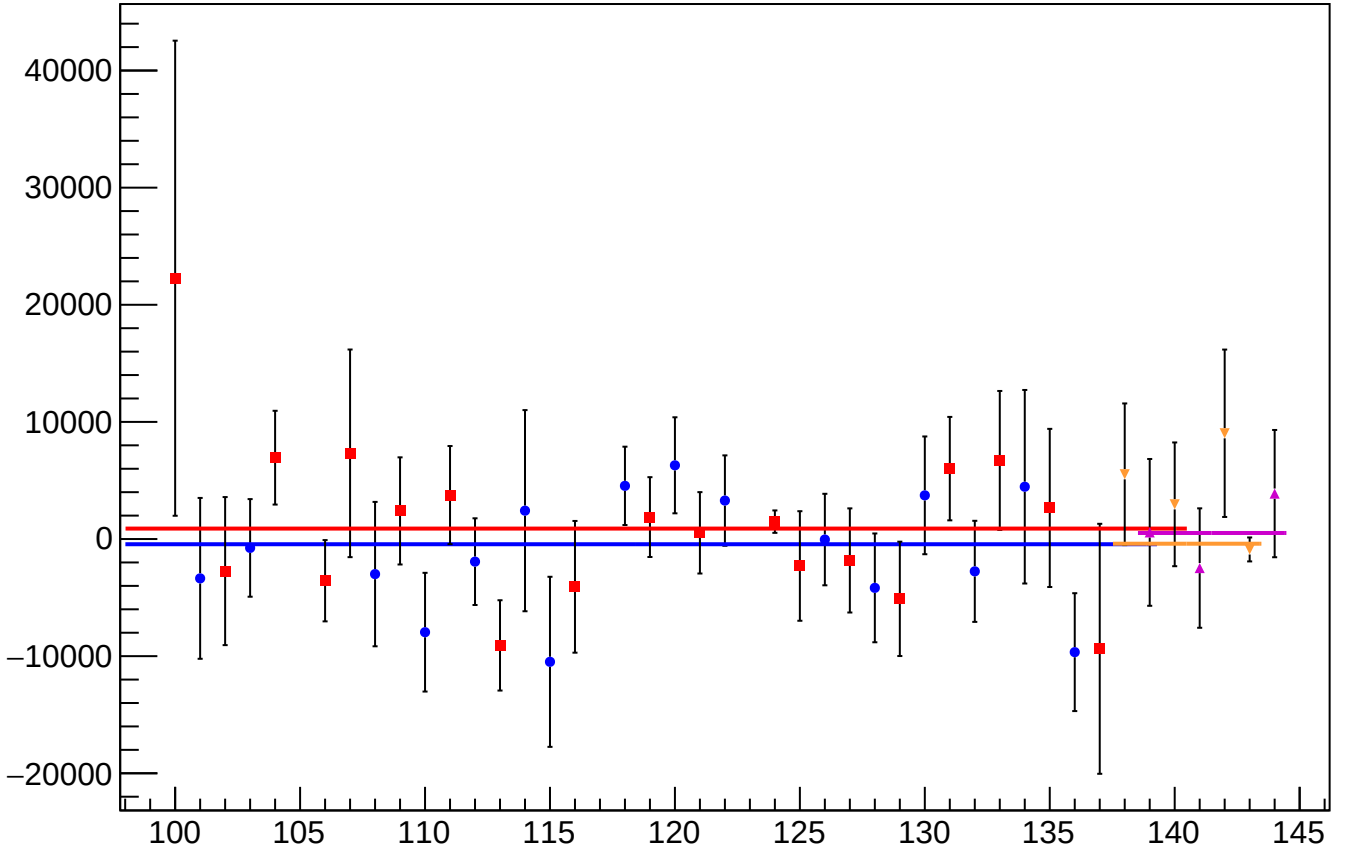
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1802.075+/-0.414 χ^2/NDF:722708.3/18

Out: 1816.994+/-0.409 χ^2/NDF:613696.2/22

All: 1809.620+/-0.291 χ^2/NDF: 1337062.1/41

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -400.099+/-980.853 χ^2/NDF:3.3/3

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 516.363+/-3197.582 χ^2/NDF:0.7/2

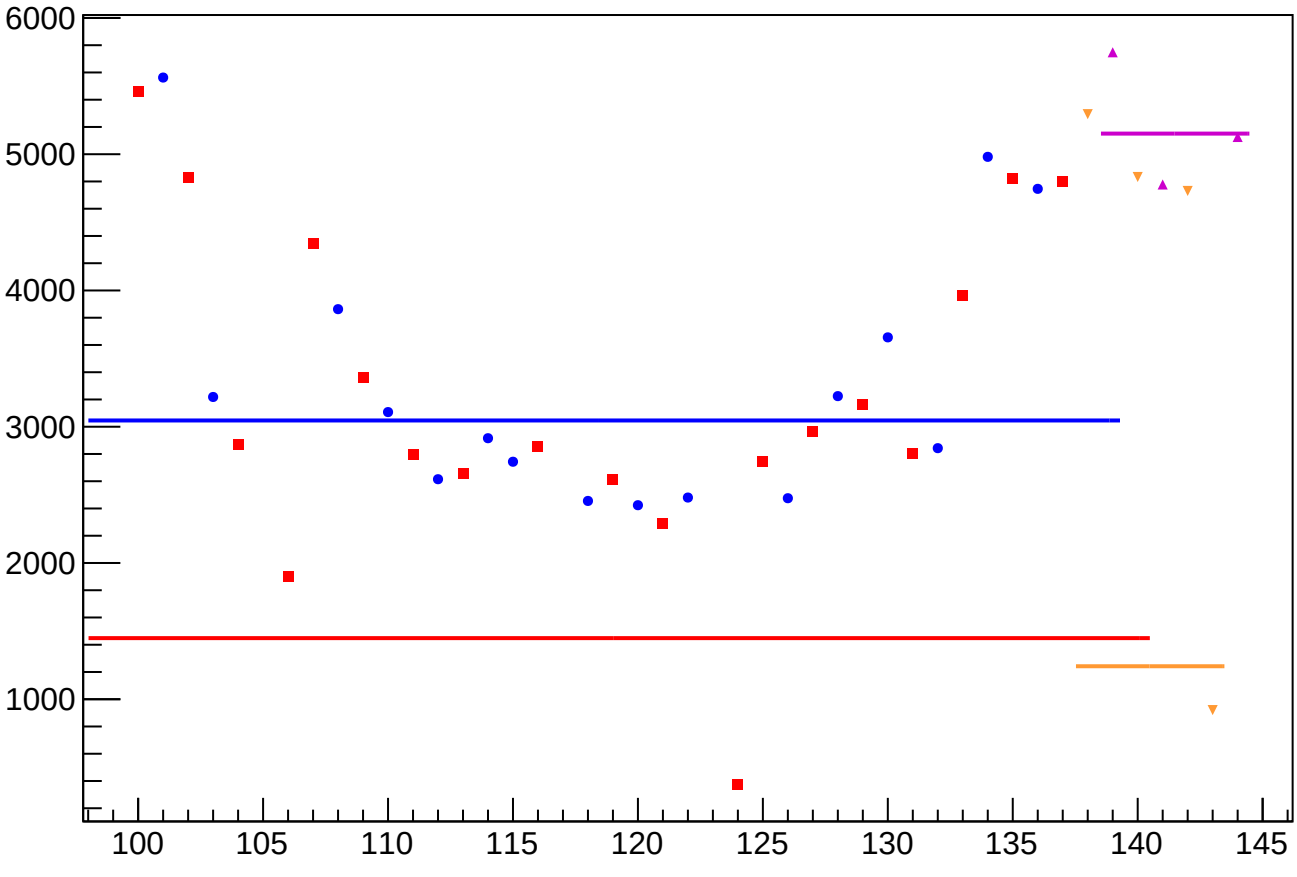
Left: -321.281+/-937.727 χ^2/NDF: 4.1/6

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -330.084+/-1102.438 χ^2/NDF:16.7/18

Out: 435.036+/-583.405 χ^2/NDF:24.5/22

All: 267.644+/-515.652 χ^2/NDF: 41.6/41



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1242.089+/-0.694 χ^2/NDF:2496696.8/3

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5151.250+/-2.261 χ^2/NDF:28905.4/2

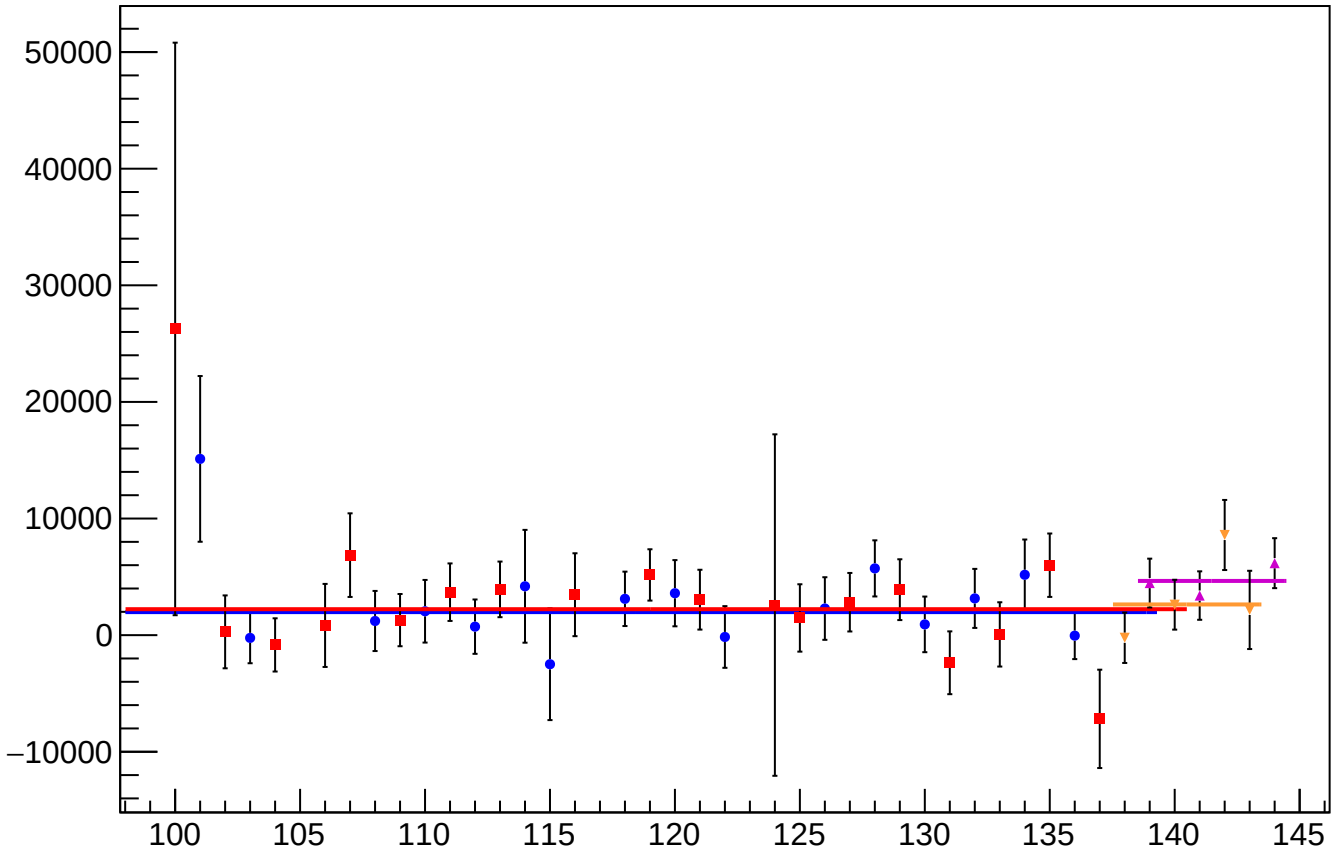
Left: 1578.286+/-0.663 χ^2/NDF: 5257717.0/6

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3296.174+/-0.780 χ^2/NDF:1700248.5/18

Out: 1375.489+/-0.413 χ^2/NDF:9340869.1/22

All: 1795.694+/-0.365 χ^2/NDF: 15783623.7/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4649.250+/-1214.283 χ^2/NDF:0.9/2

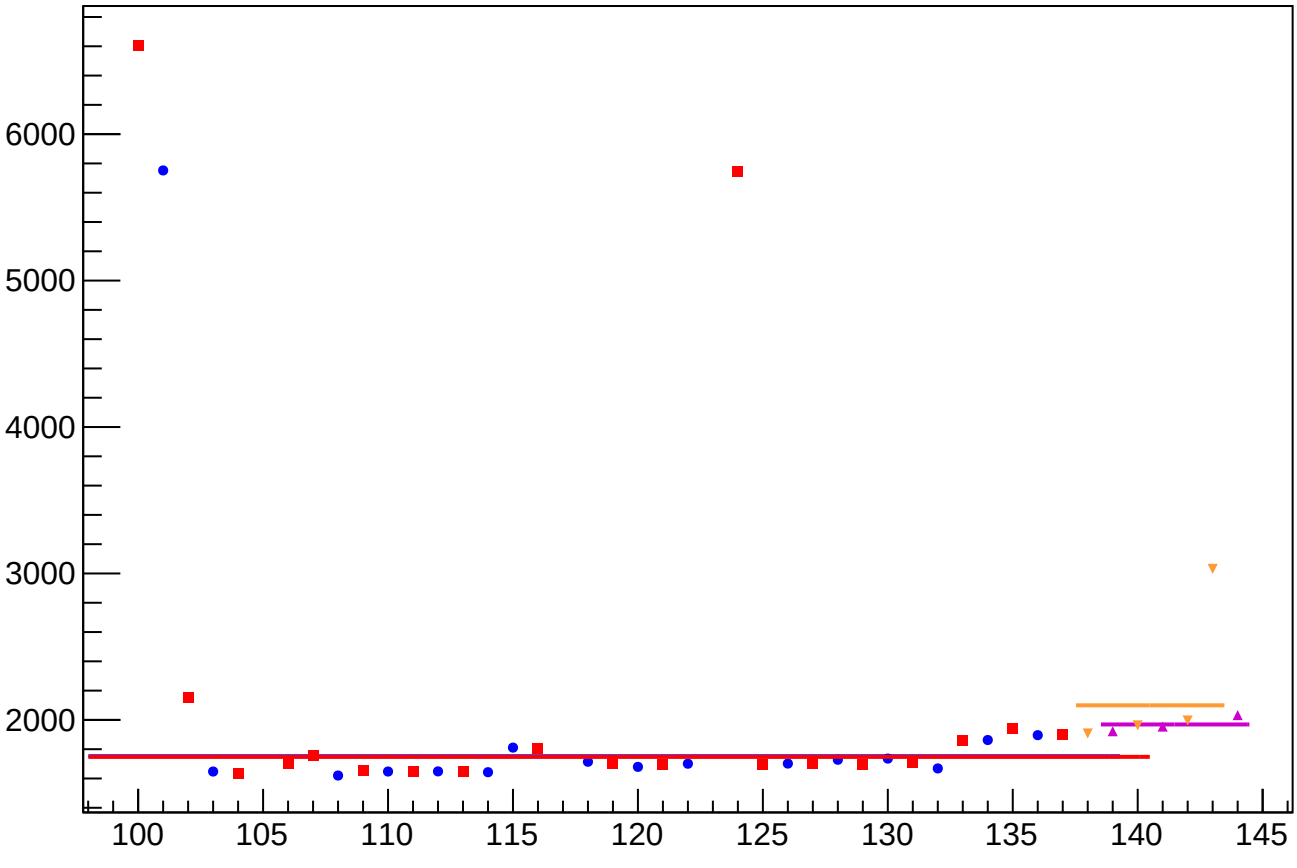
Left: 3675.728+/-873.292 χ^2/NDF: 7.9/6

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2596.601+/-585.088 χ^2/NDF:16.7/18

Out: 2313.351+/-581.752 χ^2/NDF:24.8/22

All: 2454.166+/-412.535 χ^2/NDF: 41.6/41



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

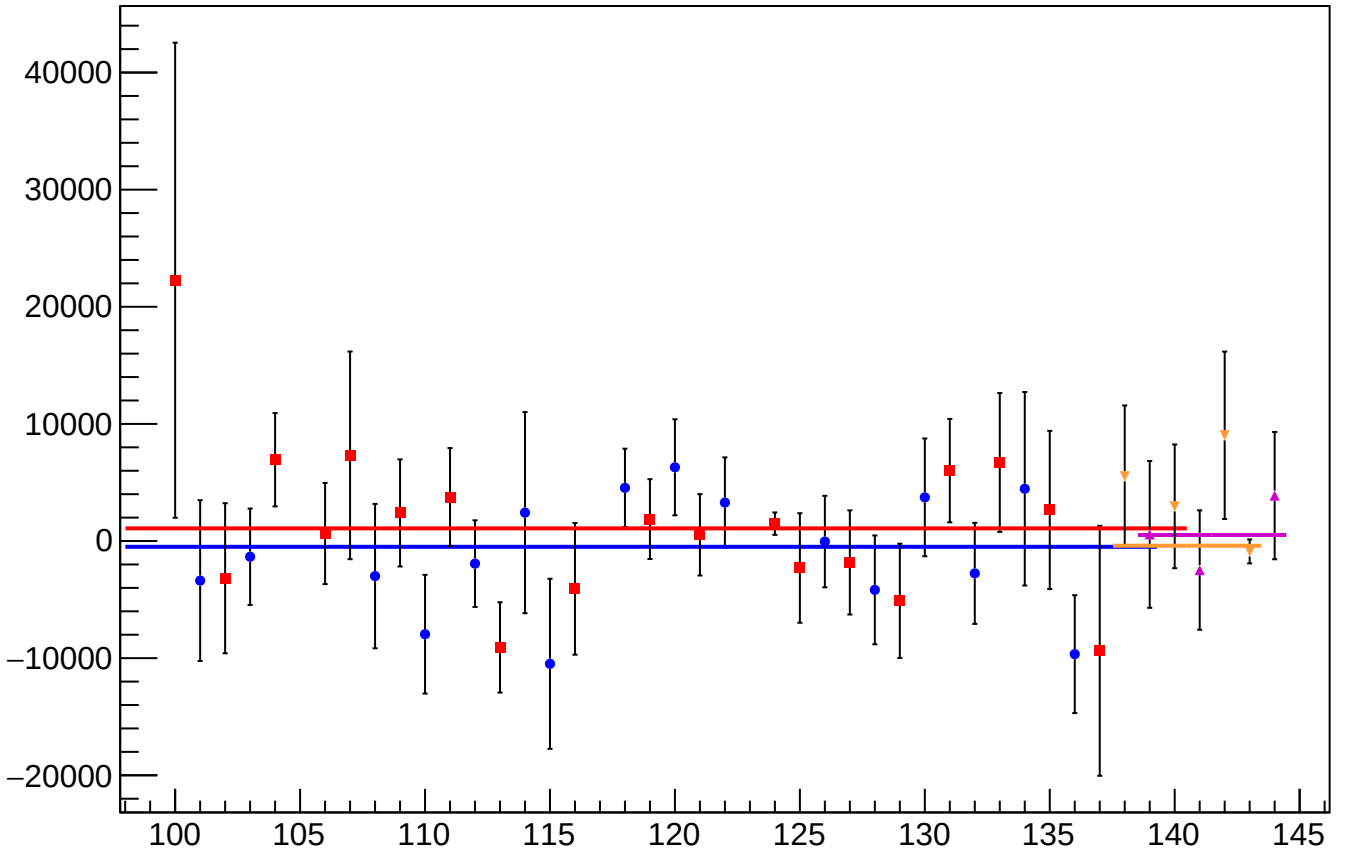
Left: 2032.074+/-0.618 χ^2/NDF: 194726.7/6

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1802.075+/-0.414 χ^2/NDF:722708.7/18

Out: 1822.729+/-0.410 χ^2/NDF:601993.6/22

All: 1812.491+/-0.291 χ^2/NDF: 1325959.2/41



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 516.326+/-3197.583 χ^2/NDF:0.7/2

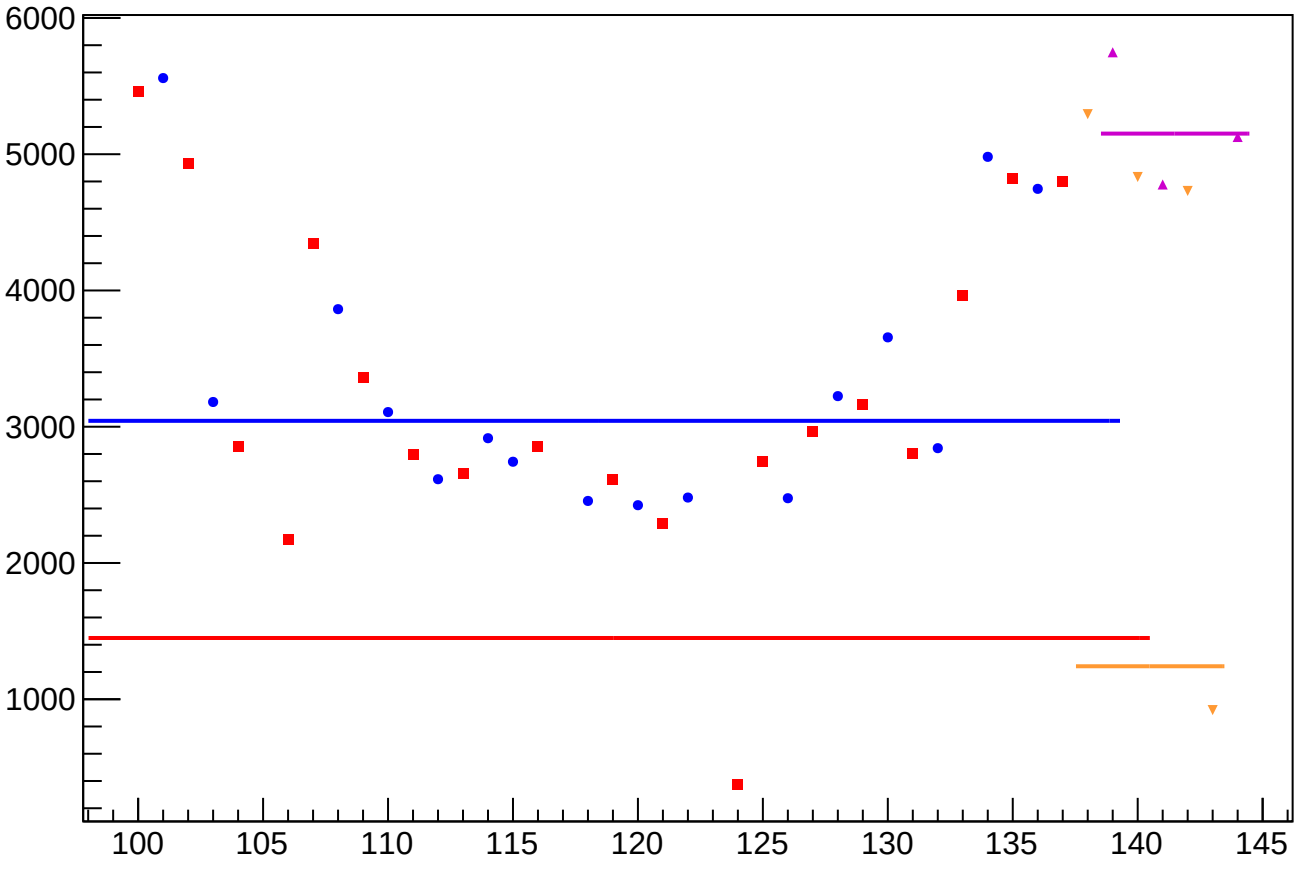
Left: -321.053+/-937.695 χ^2/NDF: 4.1/6

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -373.167+/-1101.438 χ^2/NDF:16.8/18

Out: 551.707+/-586.356 χ^2/NDF:23.3/22

All: 347.476+/-517.583 χ^2/NDF: 40.6/41



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5151.251+/-2.261 χ^2/NDF:28906.5/2

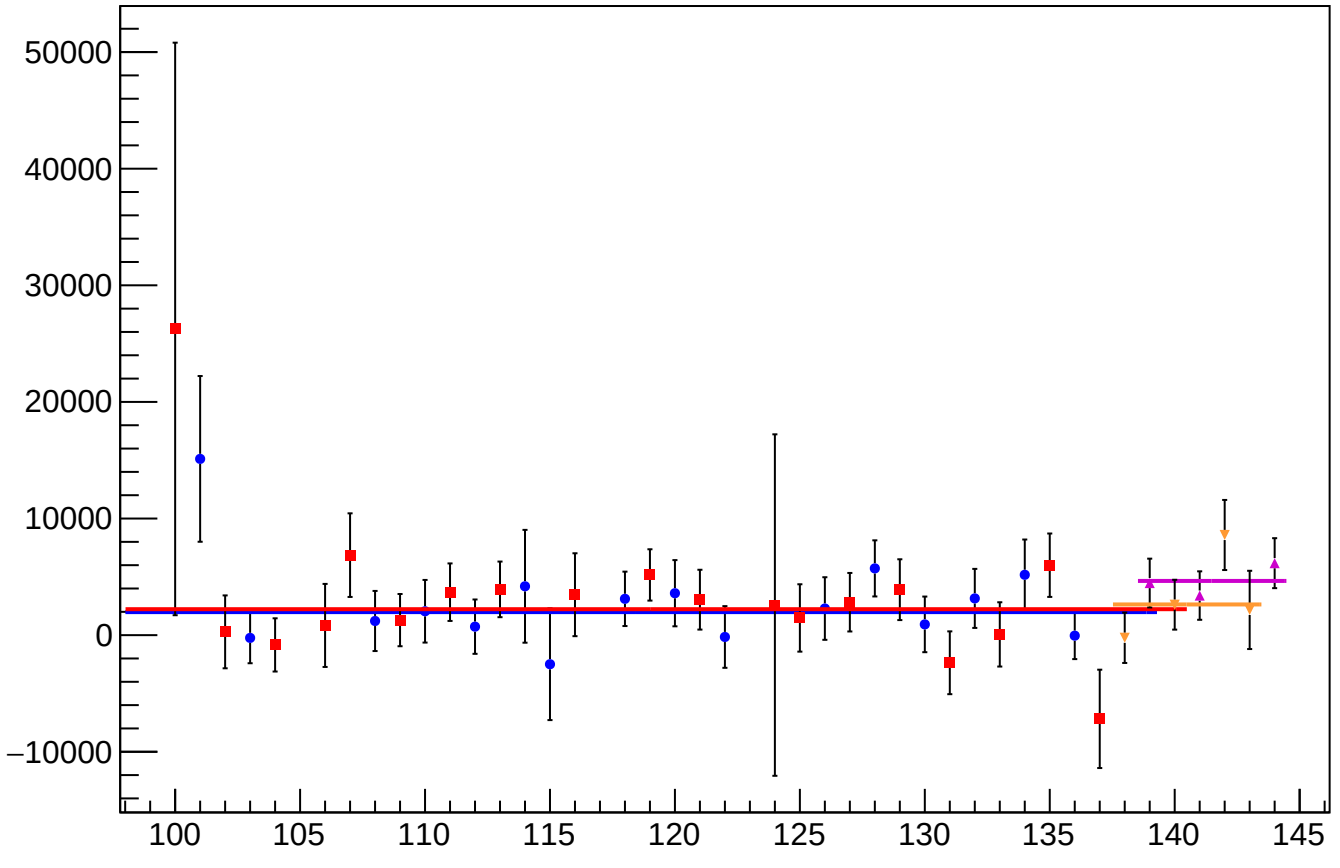
Left: 1578.208+/-0.663 χ^2/NDF: 5257878.4/6

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3293.387+/-0.779 χ^2/NDF:1700633.5/18

Out: 1375.361+/-0.415 χ^2/NDF:9379988.4/22

All: 1798.902+/-0.366 χ^2/NDF: 15806209.3/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4649.250+/-1214.283 χ^2/NDF:0.9/2

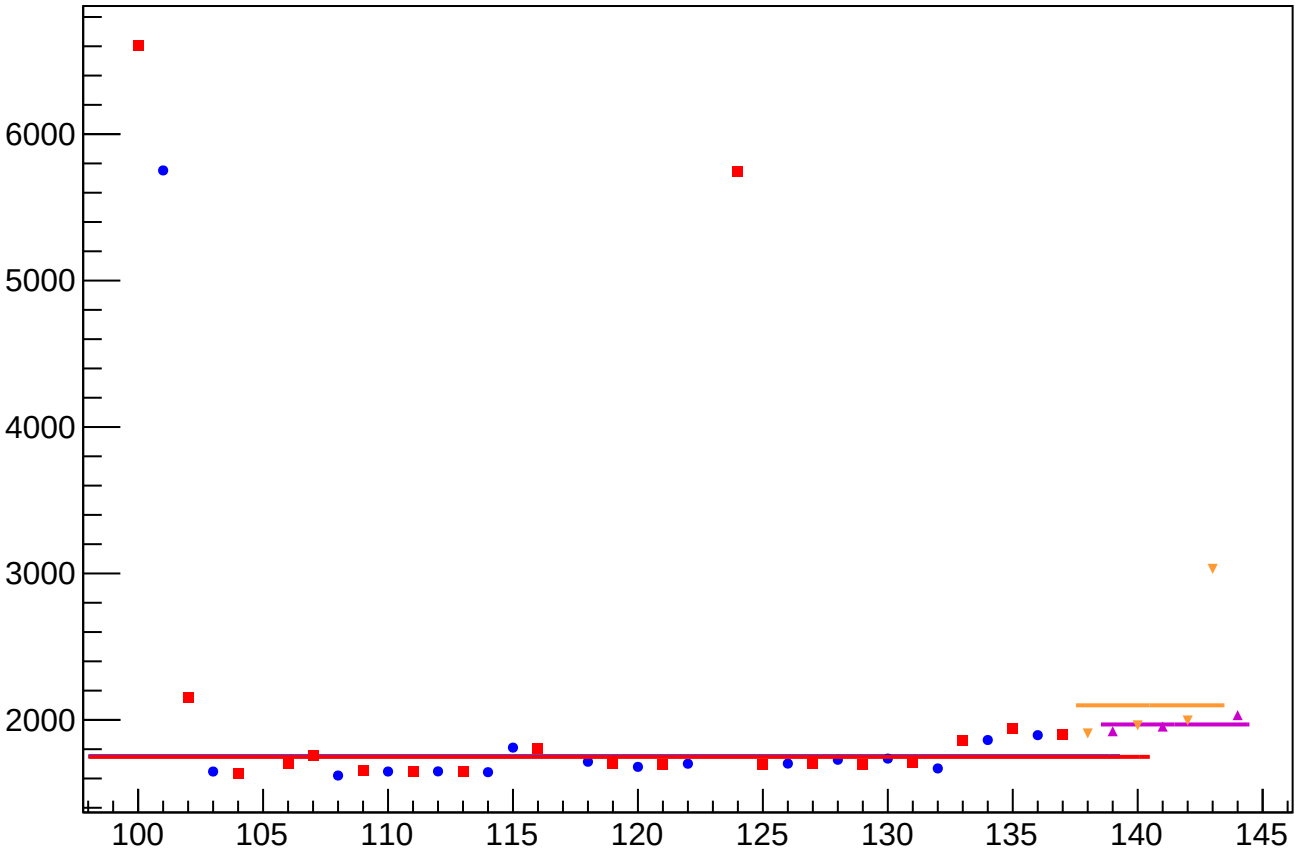
Left: 3675.728+/-873.292 χ^2/NDF: 7.9/6

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2596.601+/-585.088 χ^2/NDF:16.7/18

Out: 2313.351+/-581.752 χ^2/NDF:24.8/22

All: 2454.166+/-412.535 χ^2/NDF: 41.6/41



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1968.986+/-0.859 χ^2/NDF:2842.3/2

Left: 2032.074+/-0.618 χ^2/NDF: 194726.7/6

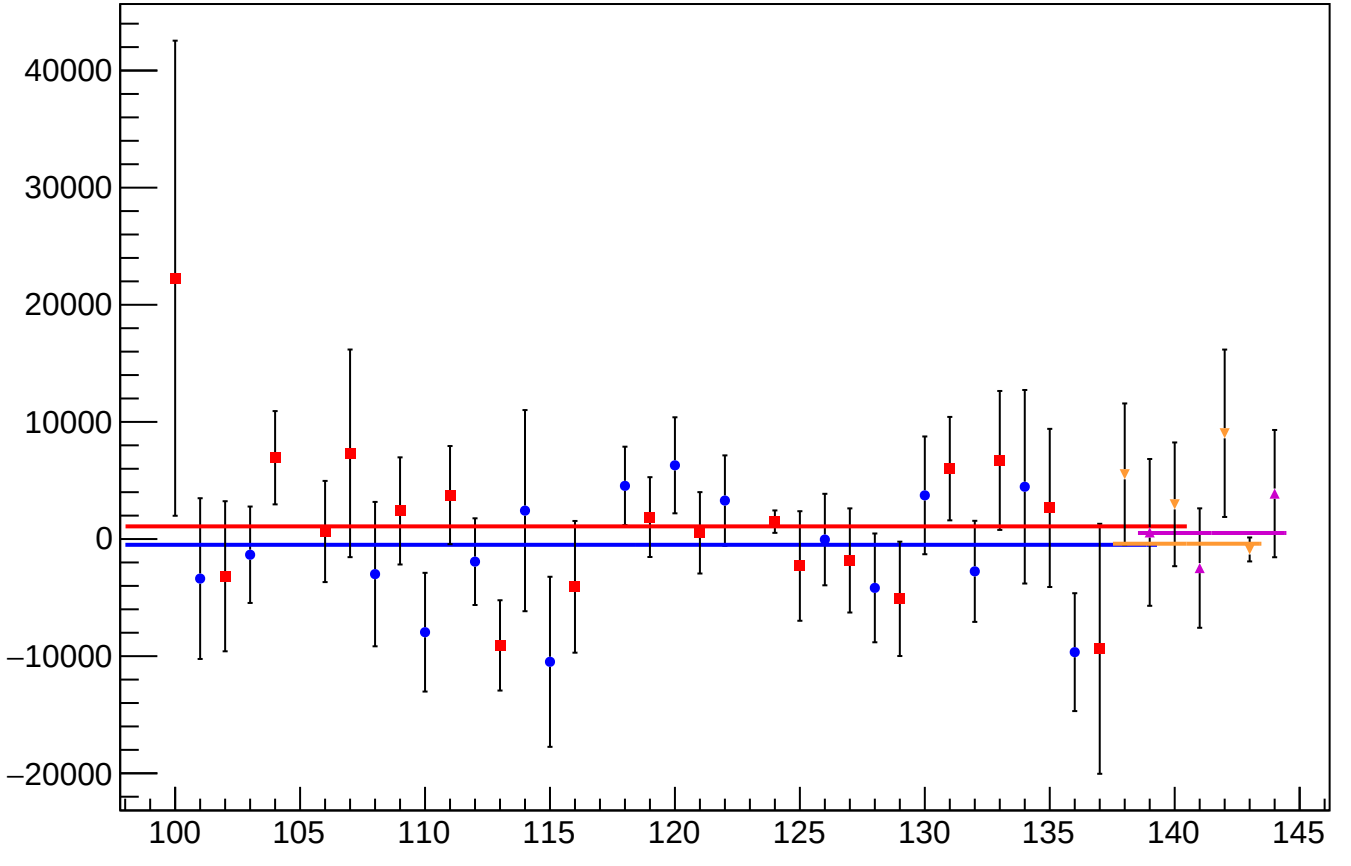
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1802.075+/-0.414 χ^2/NDF:722708.7/18

Out: 1822.729+/-0.410 χ^2/NDF:601993.6/22

All: 1812.491+/-0.291 χ^2/NDF: 1325959.2/41

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 516.326+/-3197.583 χ^2/NDF:0.7/2

Left: -321.053+/-937.695 χ^2/NDF: 4.1/6

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

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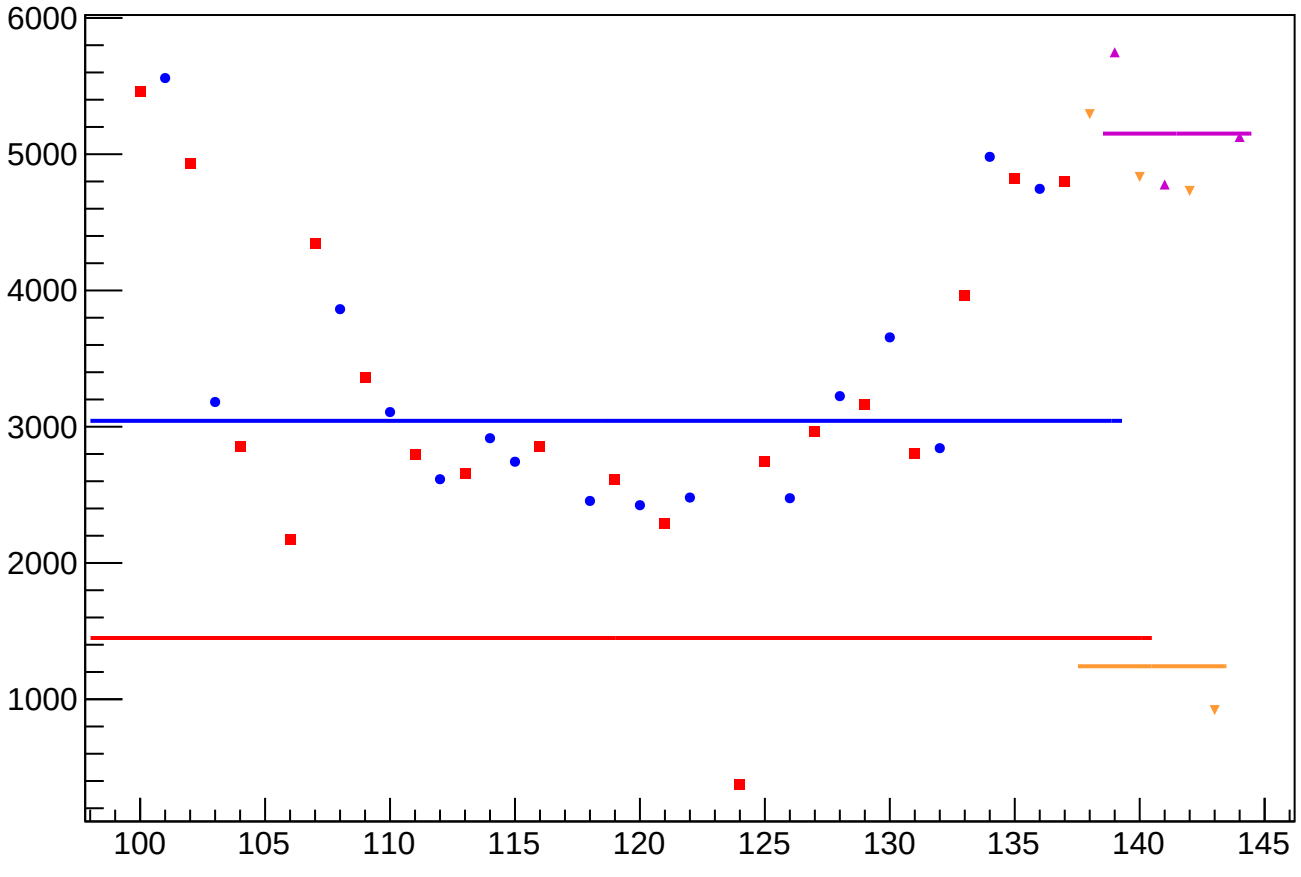
Out: 551.707+/-586.356 χ^2/NDF:23.3/22

All: 347.476+/-517.583 χ^2/NDF: 40.6/41



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5151.251+/-2.261 χ^2/NDF:28906.5/2

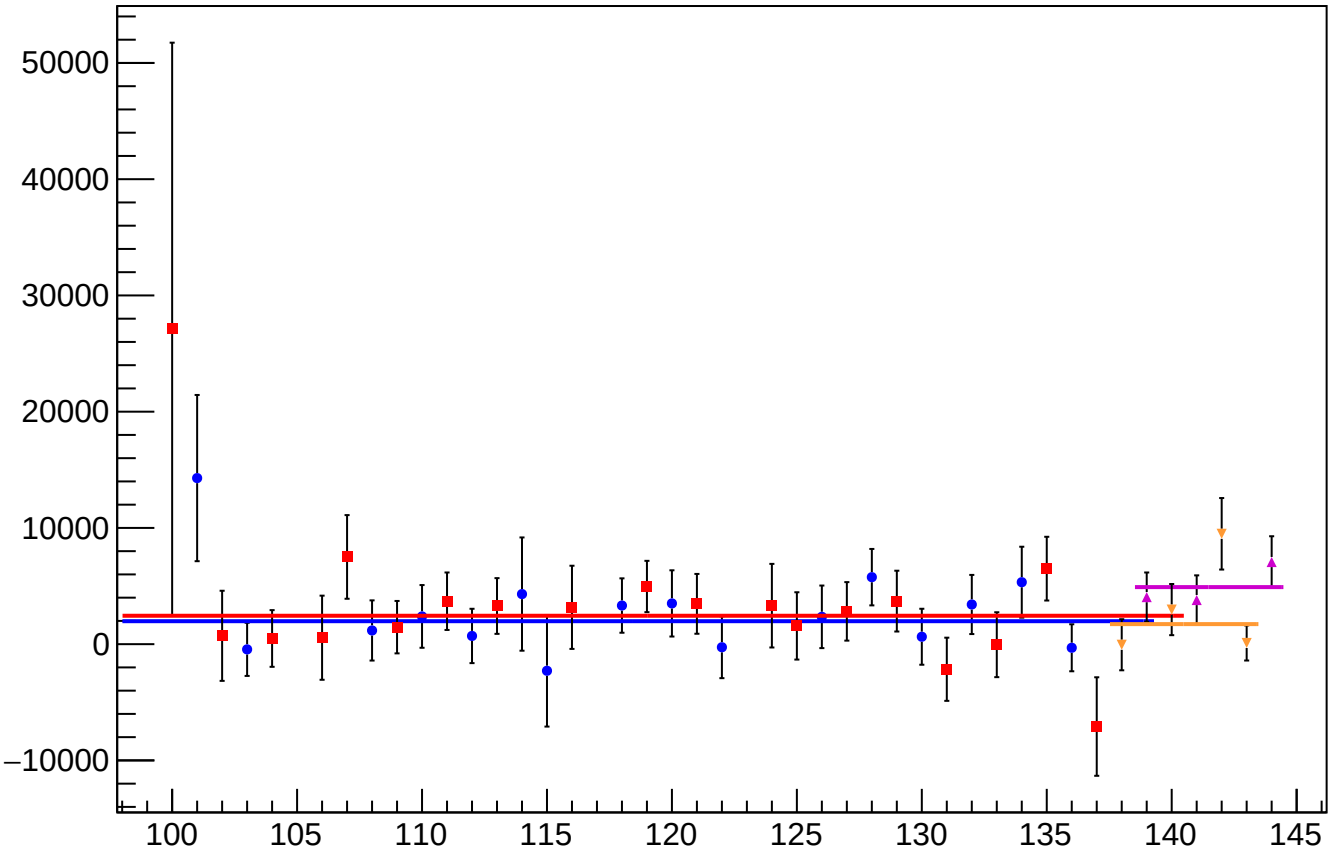
Left: 1578.208+/-0.663 χ^2/NDF: 5257878.4/6

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3293.387+/-0.779 χ^2/NDF:1700633.5/18

Out: 1375.361+/-0.415 χ^2/NDF:9379988.4/22

All: 1798.902+/-0.366 χ^2/NDF: 15806209.3/4



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.007+/-1021.743 χ^2/NDF:8.5/3

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4908.645+/-1241.932 χ^2/NDF:1.4/2

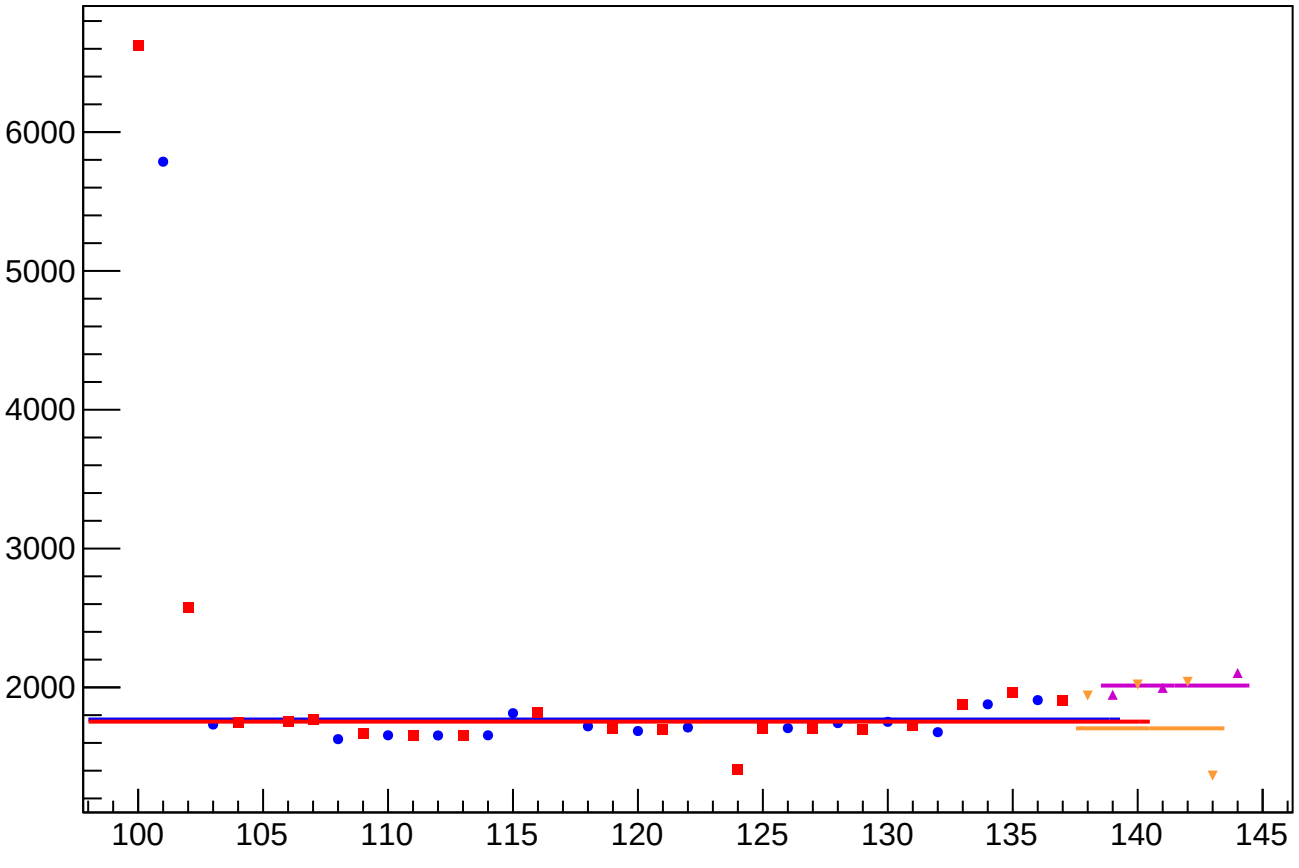
Left: 3010.054+/-789.034 χ^2/NDF: 13.8/6

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2643.207+/-592.444 χ^2/NDF:18.1/18

Out: 2233.509+/-553.020 χ^2/NDF:26.3/22

All: 2424.274+/-404.263 χ^2/NDF: 44.7/41



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1705.010+/-0.722 χ^2/NDF:189805.6/3

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 2013.191+/-0.878 χ^2/NDF:5433.1/2

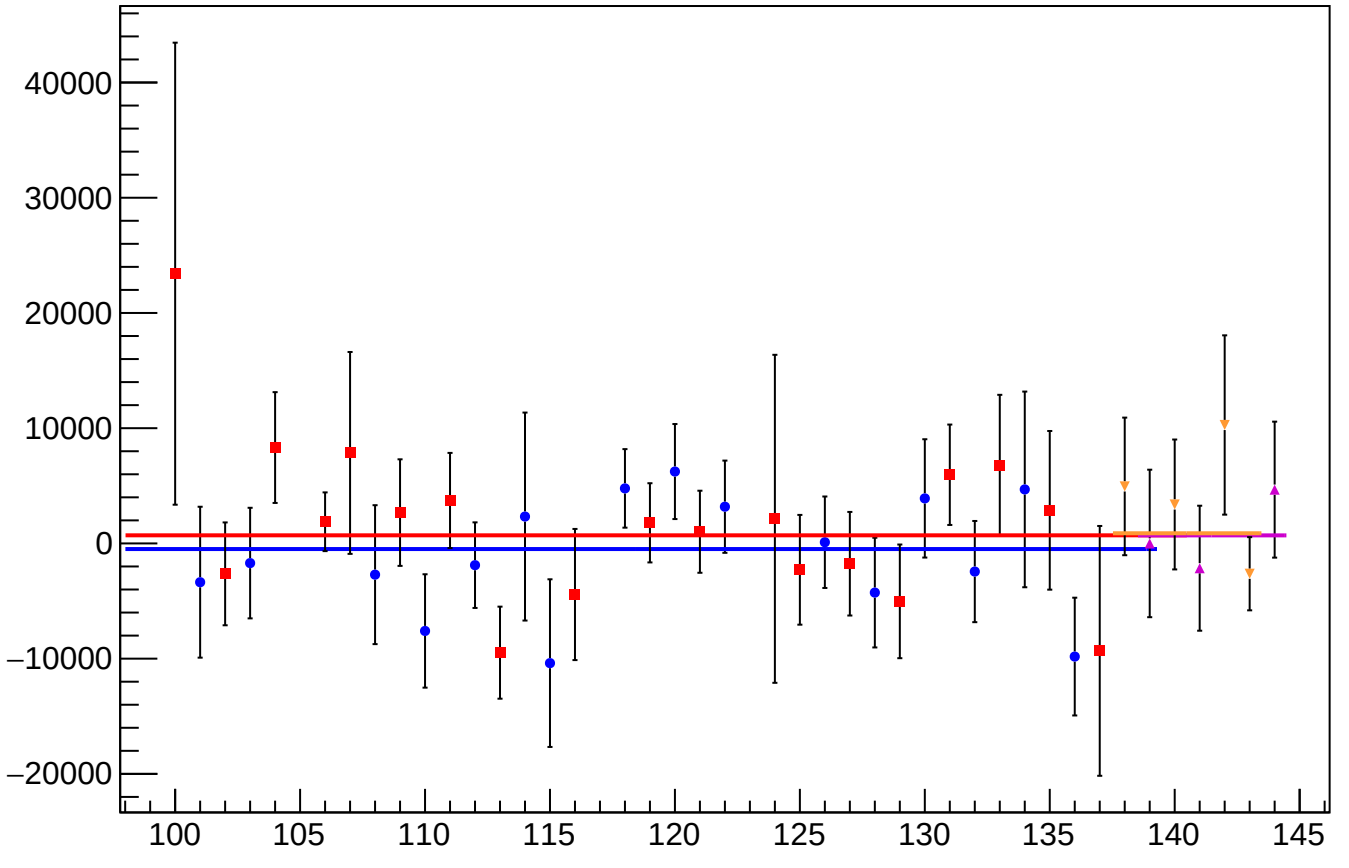
Left: 1829.404+/-0.558 χ^2/NDF: 268682.4/6

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1824.167+/-0.419 χ^2/NDF:732780.4/18

Out: 1739.265+/-0.390 χ^2/NDF:411844.5/22

All: 1778.718+/-0.286 χ^2/NDF: 1166612.5/41



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 880.468+/-2389.390 χ^2/NDF:3.3/3

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 698.234+/-3387.832 χ^2/NDF:0.7/2

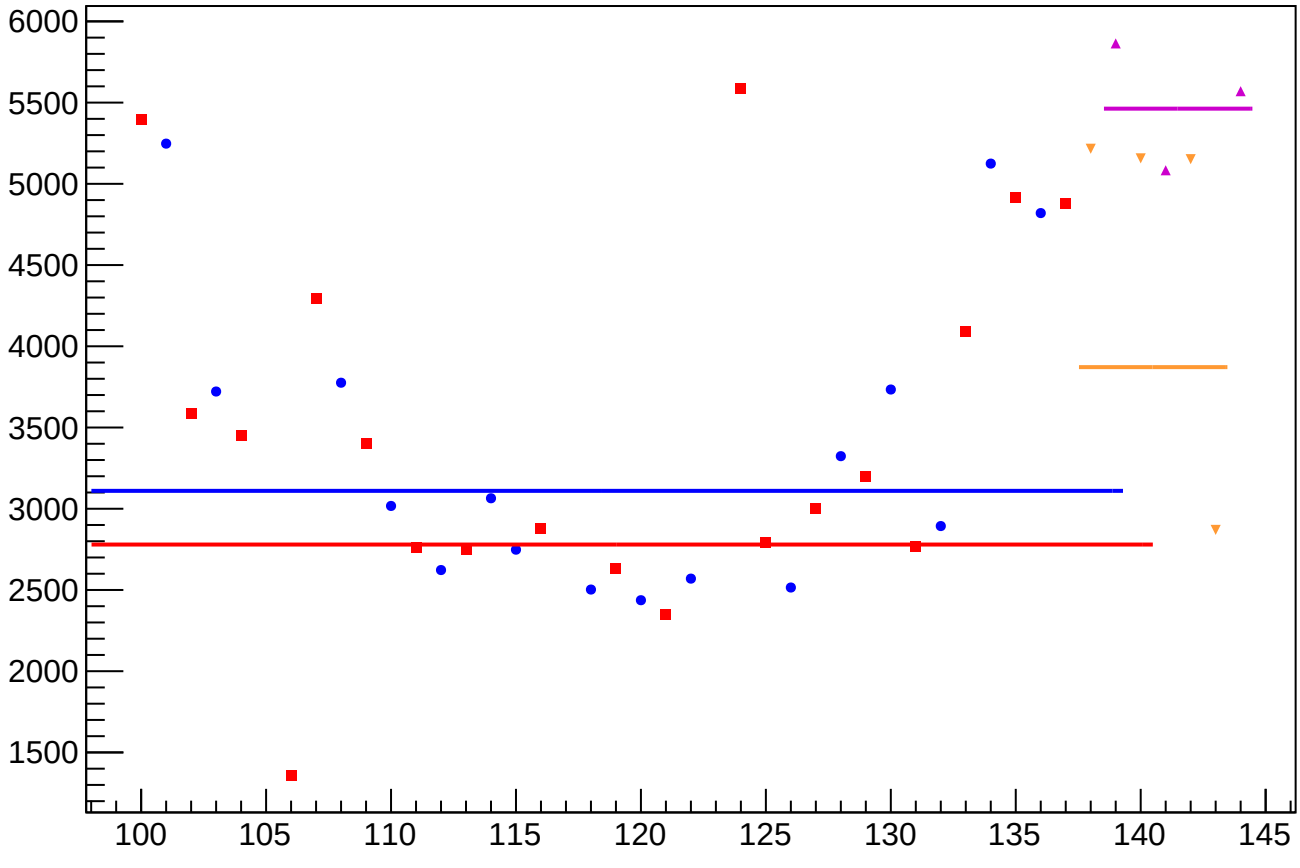
Left: 819.932+/-1952.603 χ^2/NDF: 4.1/6

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -356.147+/-1129.886 χ^2/NDF:16.6/18

Out: 732.889+/-976.148 χ^2/NDF:22.2/22

All: 267.448+/-738.662 χ^2/NDF: 39.3/41



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 3871.676+/-1.690 χ^2/NDF:458476.2/3

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5462.744+/-2.396 χ^2/NDF:18318.9/2

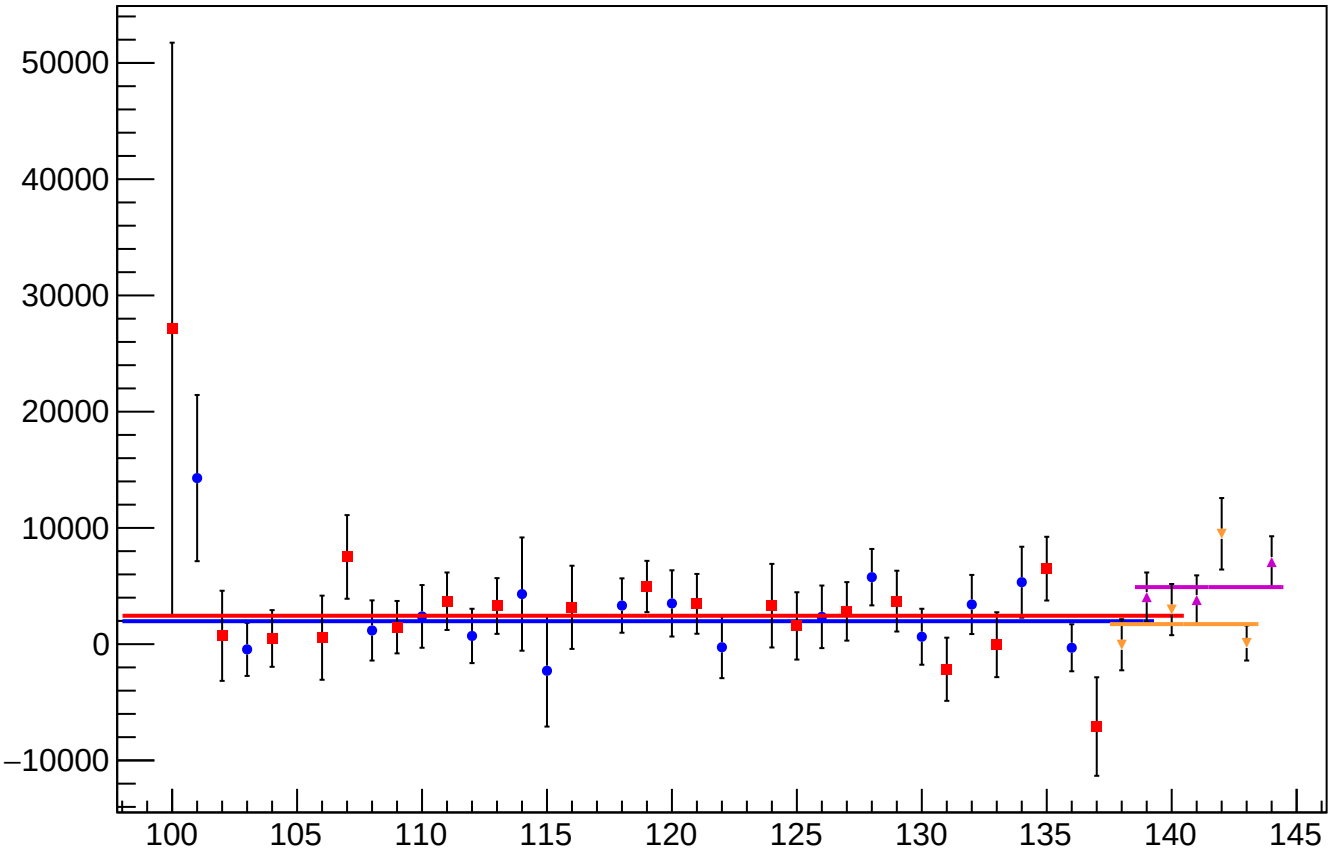
Left: 4400.210+/-1.381 χ^2/NDF: 771385.2/6

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3371.816+/-0.799 χ^2/NDF:1758768.6/18

Out: 2961.893+/-0.690 χ^2/NDF:2154662.1/22

All: 3137.089+/-0.522 χ^2/NDF: 4064169.3/41



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.012+/-1021.743 χ^2/NDF:8.5/3

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4908.647+/-1241.933 χ^2/NDF:1.4/2

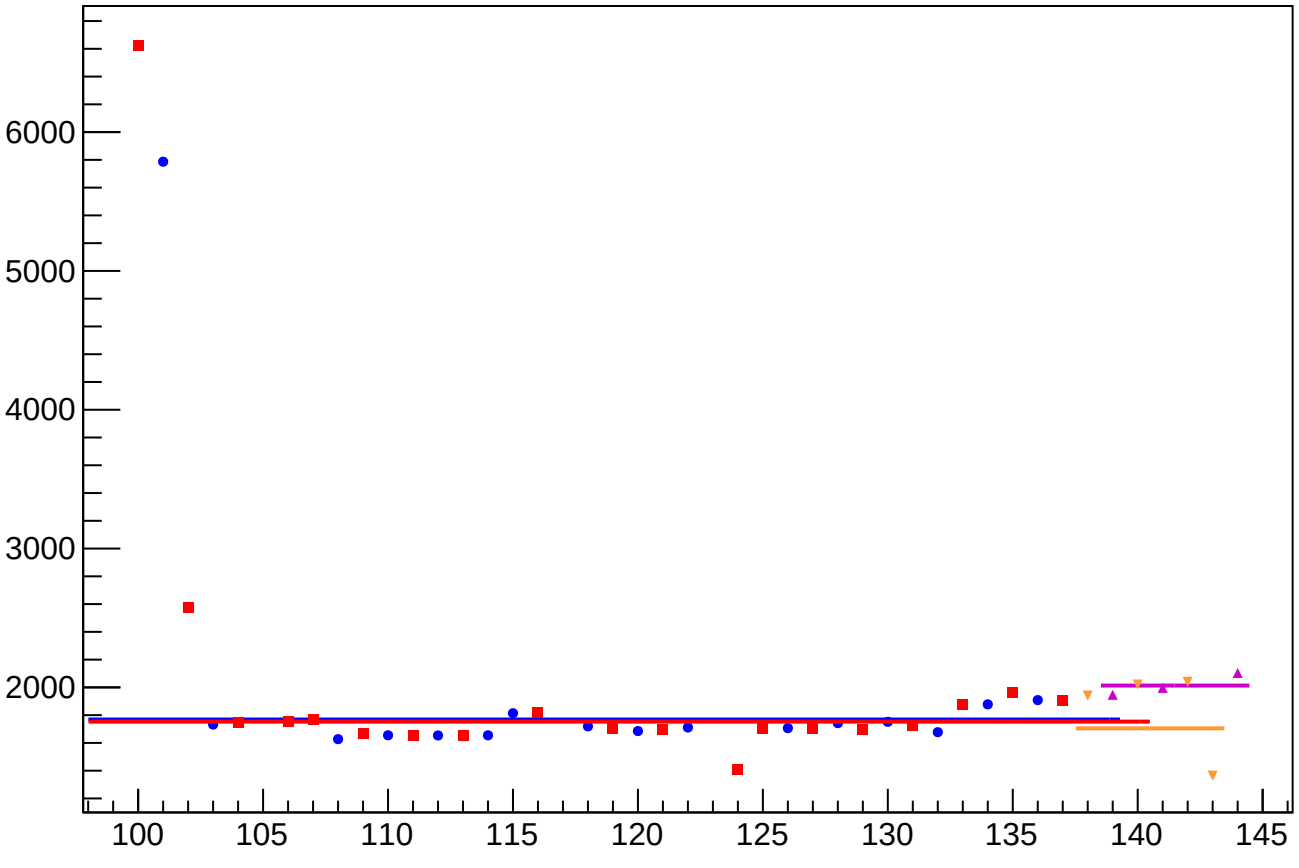
Left: 3010.057+/-789.034 χ^2/NDF: 13.8/6

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2643.207+/-592.444 χ^2/NDF:18.1/18

Out: 2233.511+/-553.020 χ^2/NDF:26.3/22

All: 2424.275+/-404.264 χ^2/NDF: 44.7/41



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1705.010+/-0.722 χ^2/NDF:189806.1/3

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 2013.193+/-0.878 χ^2/NDF:5433.2/2

Left: 1829.405+/-0.558 χ^2/NDF: 268683.5/6

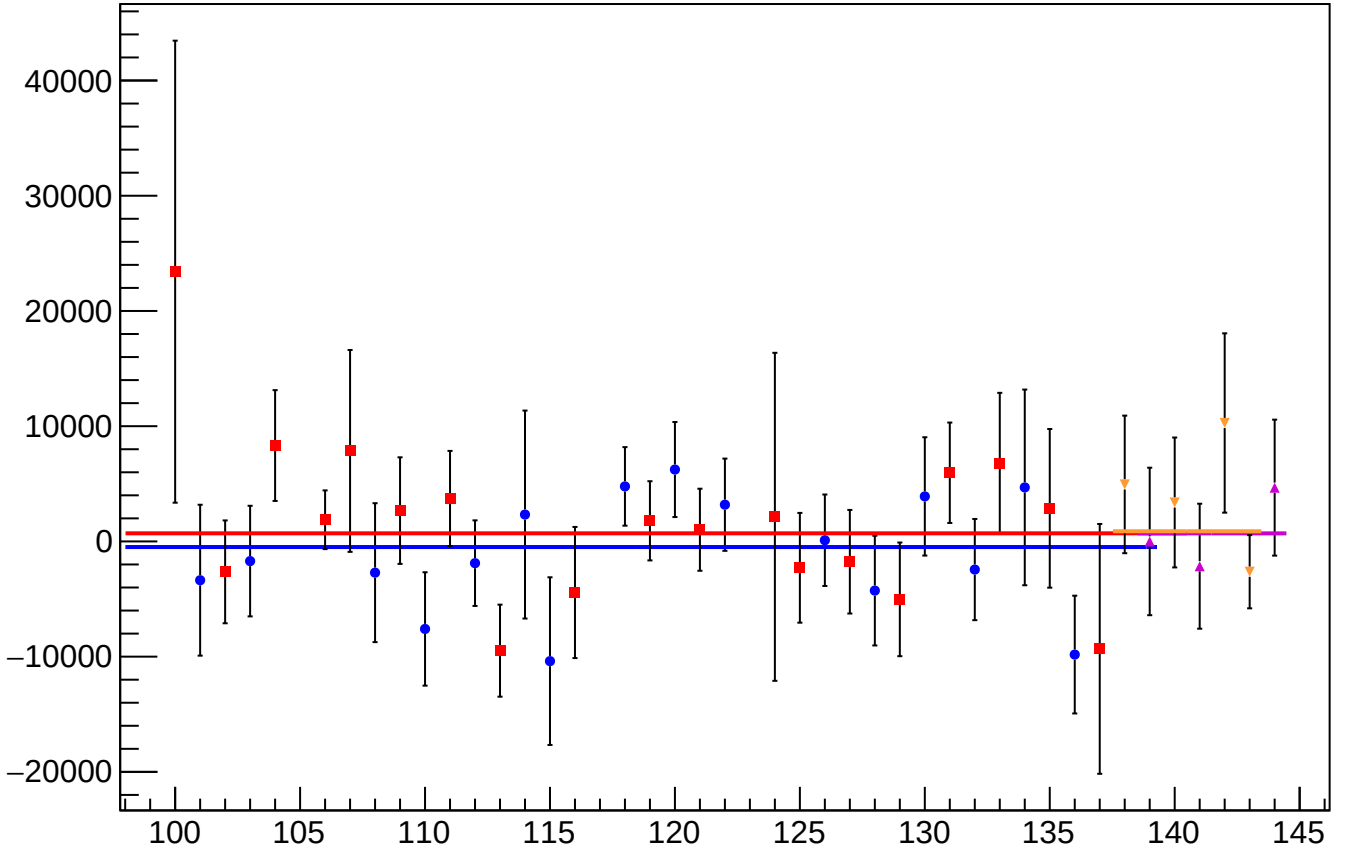
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1824.167+/-0.419 χ^2/NDF:732781.1/18

Out: 1739.265+/-0.390 χ^2/NDF:411844.9/22

All: 1778.718+/-0.286 χ^2/NDF: 1166613.8/41

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 880.465+/-2389.392 χ^2/NDF:3.3/3

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 698.236+/-3387.839 χ^2/NDF:0.7/2

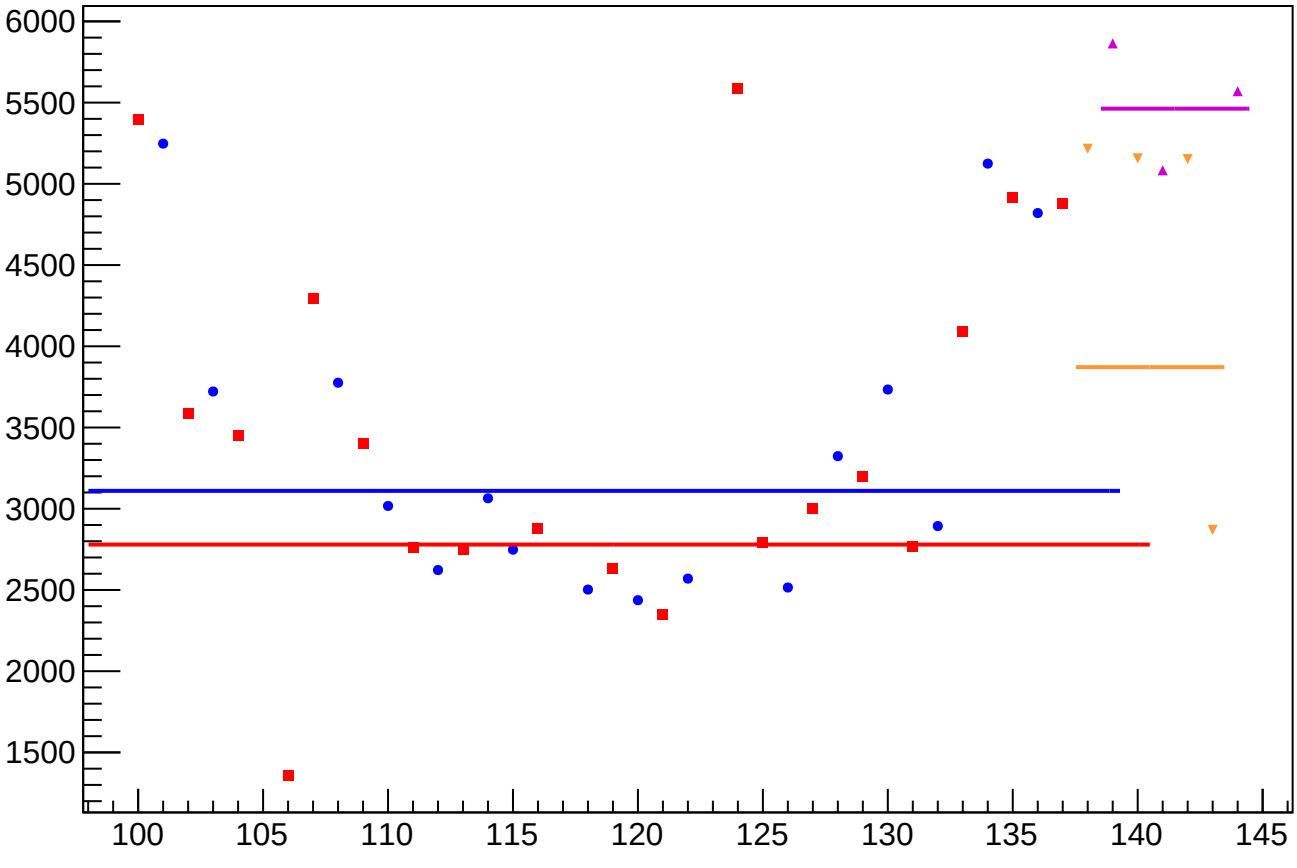
Left: 819.931+/-1952.606 χ^2/NDF: 4.1/6

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -356.142+/-1129.883 χ^2/NDF:16.6/18

Out: 732.890+/-976.146 χ^2/NDF:22.2/22

All: 267.450+/-738.660 χ^2/NDF: 39.3/41



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 3871.679+/-1.690 χ^2/NDF:458480.0/3

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5462.756+/-2.396 χ^2/NDF:18319.3/2

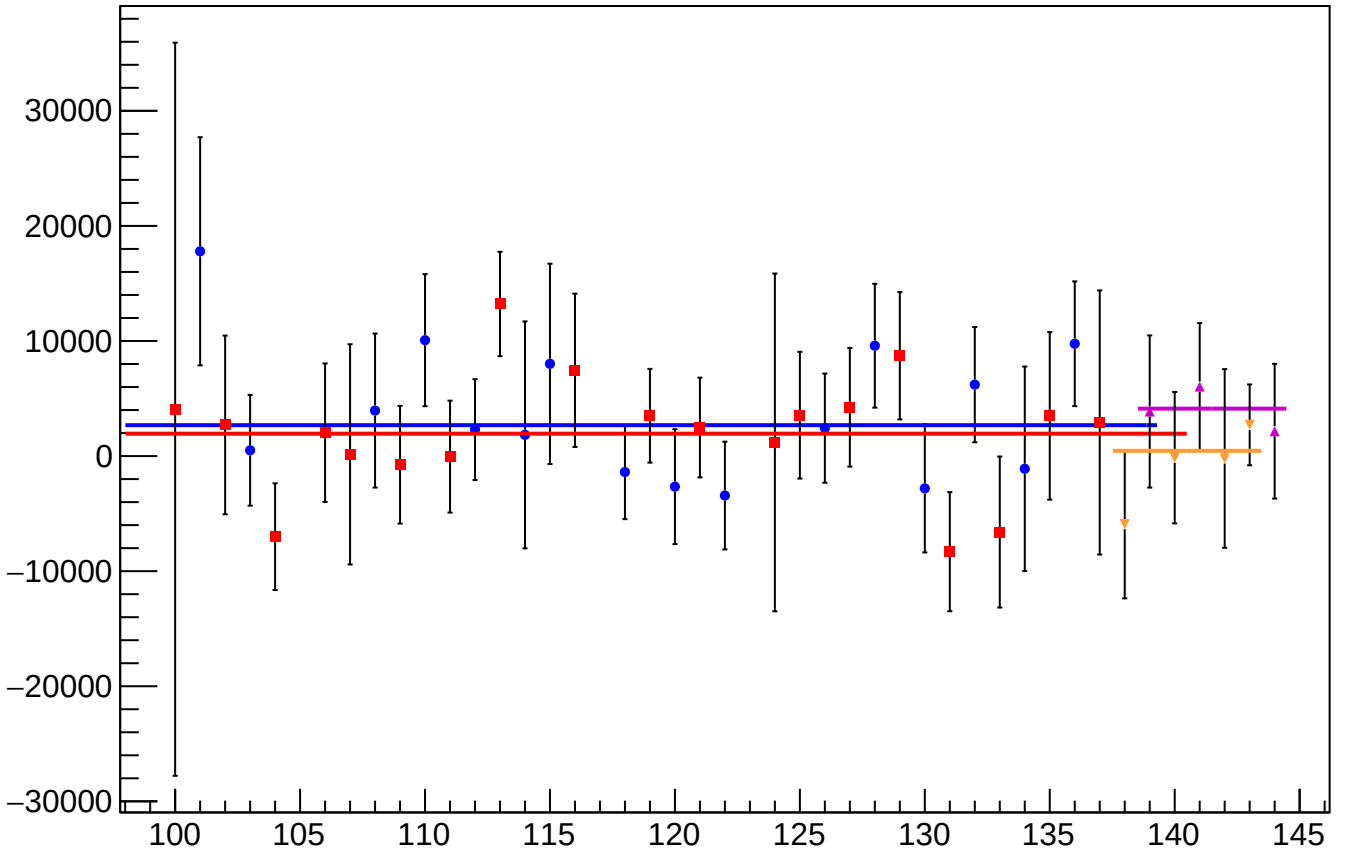
Left: 4400.215+/-1.381 χ^2/NDF: 771391.6/6

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3371.805+/-0.799 χ^2/NDF:1758793.0/18

Out: 2961.881+/-0.690 χ^2/NDF:2154694.9/22

All: 3137.078+/-0.522 χ^2/NDF: 4064227.9/41



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 457.418+/-2561.299 χ^2/NDF:1.4/3

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 4124.047+/-3431.880 χ^2/NDF:0.2/2

Left: 1769.117+/-2052.654 χ^2/NDF: 2.4/6

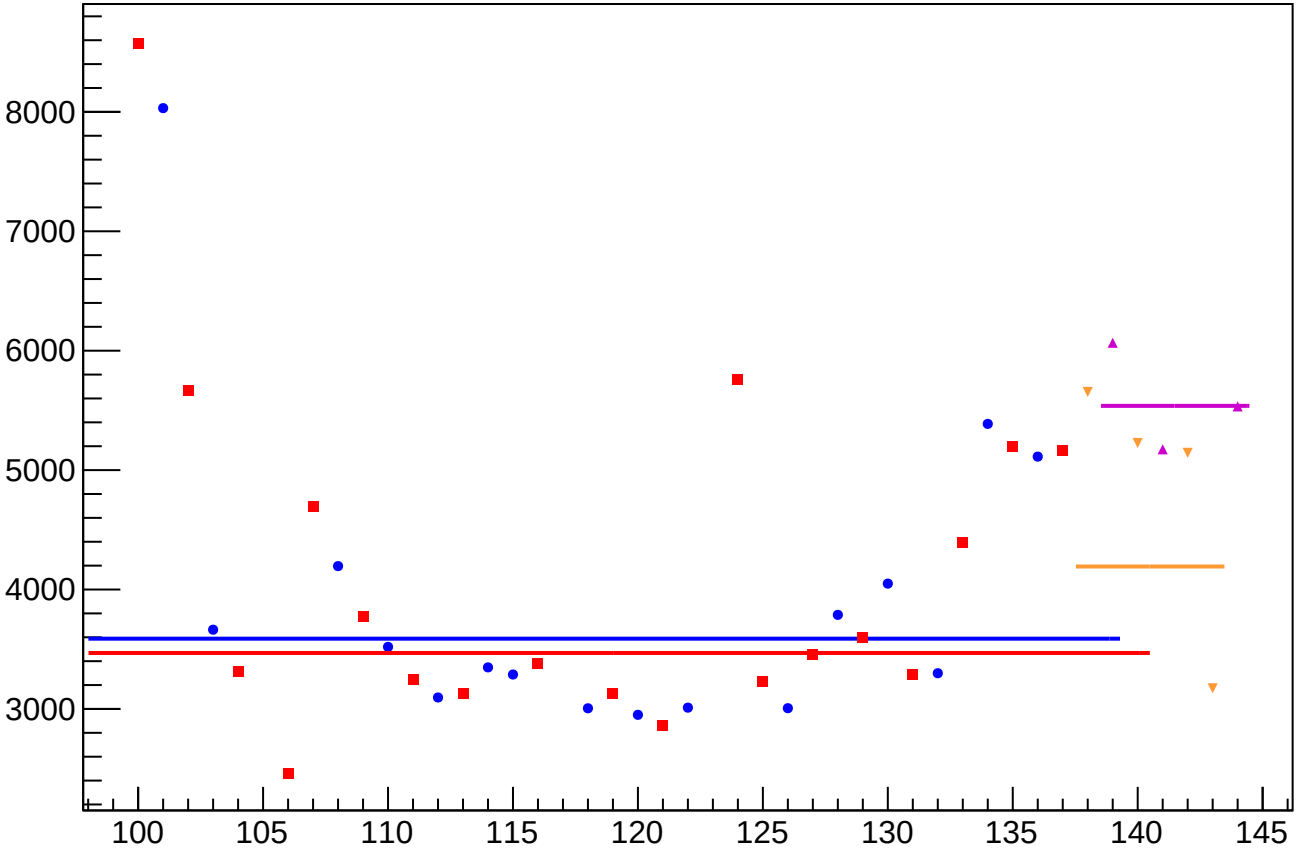
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2885.632+/-1280.289 χ^2/NDF:13.8/18

Out: 1628.497+/-1182.438 χ^2/NDF:20.4/22

All: 2207.194+/-868.645 χ^2/NDF: 34.7/41

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4192.818+/-1.811 χ^2/NDF:367330.7/3

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5538.050+/-2.427 χ^2/NDF:21476.6/2

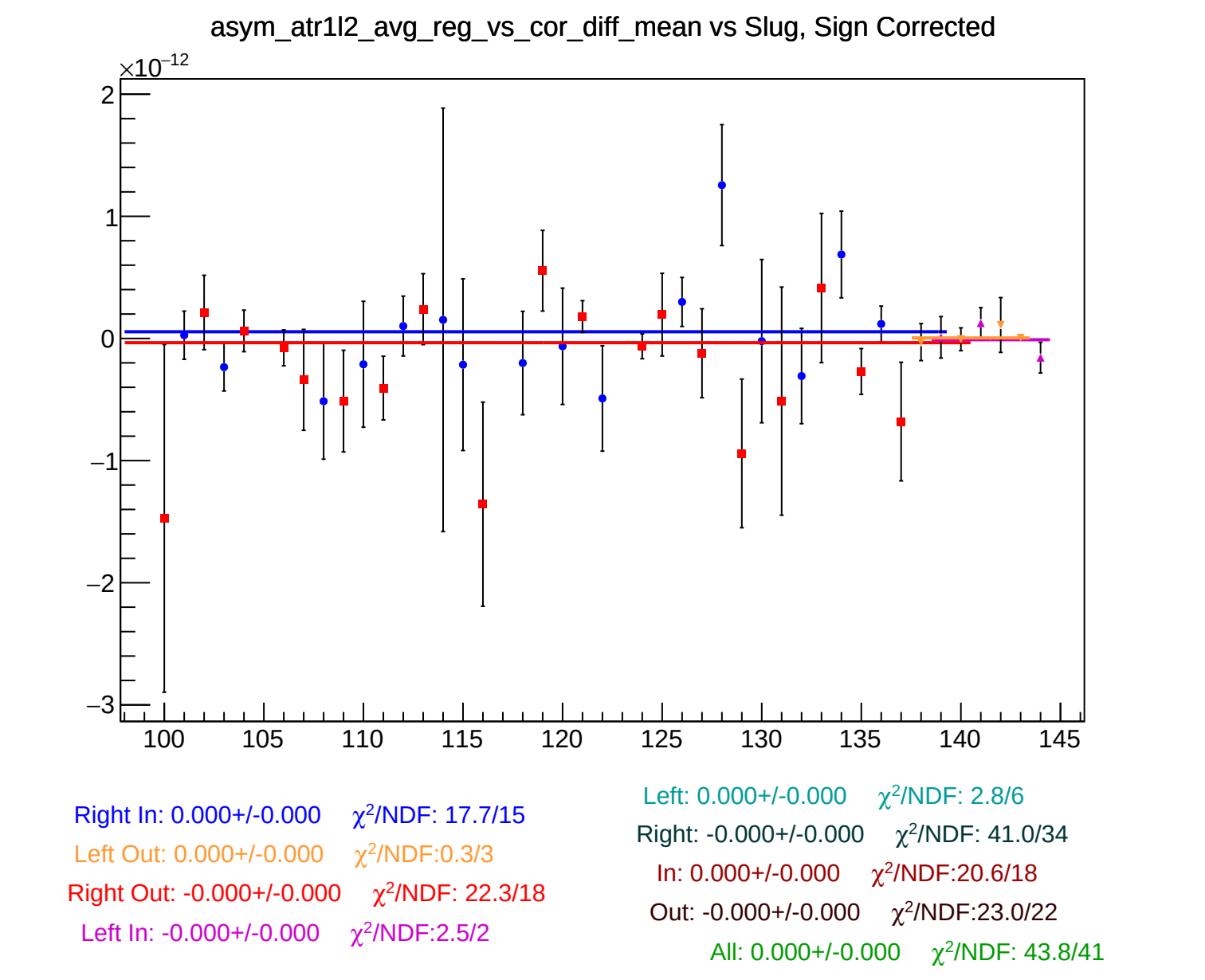
Left: 4674.061+/-1.451 χ^2/NDF: 586172.9/6

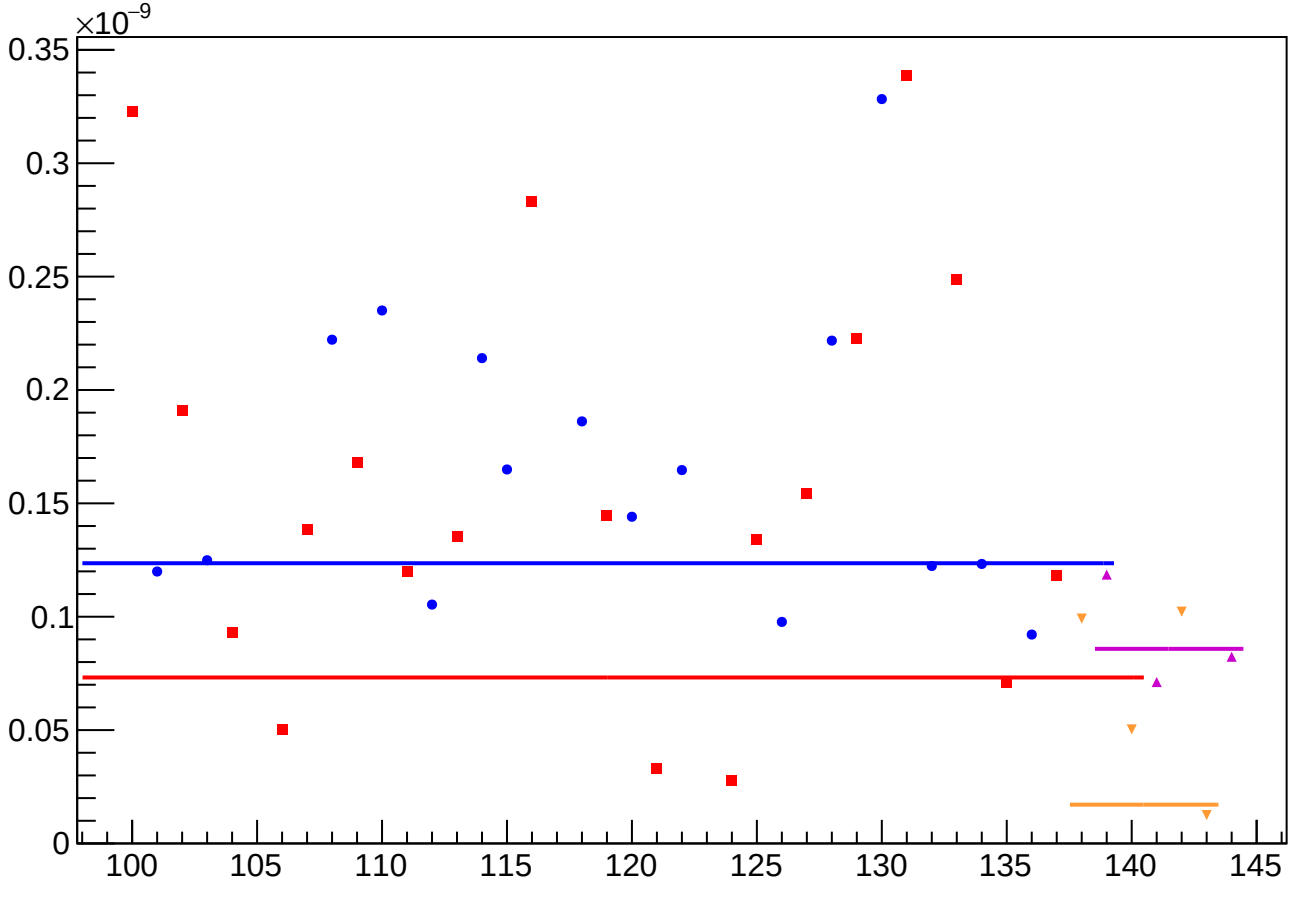
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3859.762+/-0.905 χ^2/NDF:1422320.8/18

Out: 3619.284+/-0.826 χ^2/NDF:1160498.3/22

All: 3728.541+/-0.610 χ^2/NDF: 2621321.9/41


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/2
Left: 0.000+/-0.000 χ²/NDF: 2.8/6
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:20.6/18
Out: -0.000+/-0.000 χ²/NDF:23.0/22
All: 0.000+/-0.000 χ²/NDF: 43.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211752.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:102669.6/2

Left: 0.000+/-0.000 χ^2/NDF: 2723851.4/6

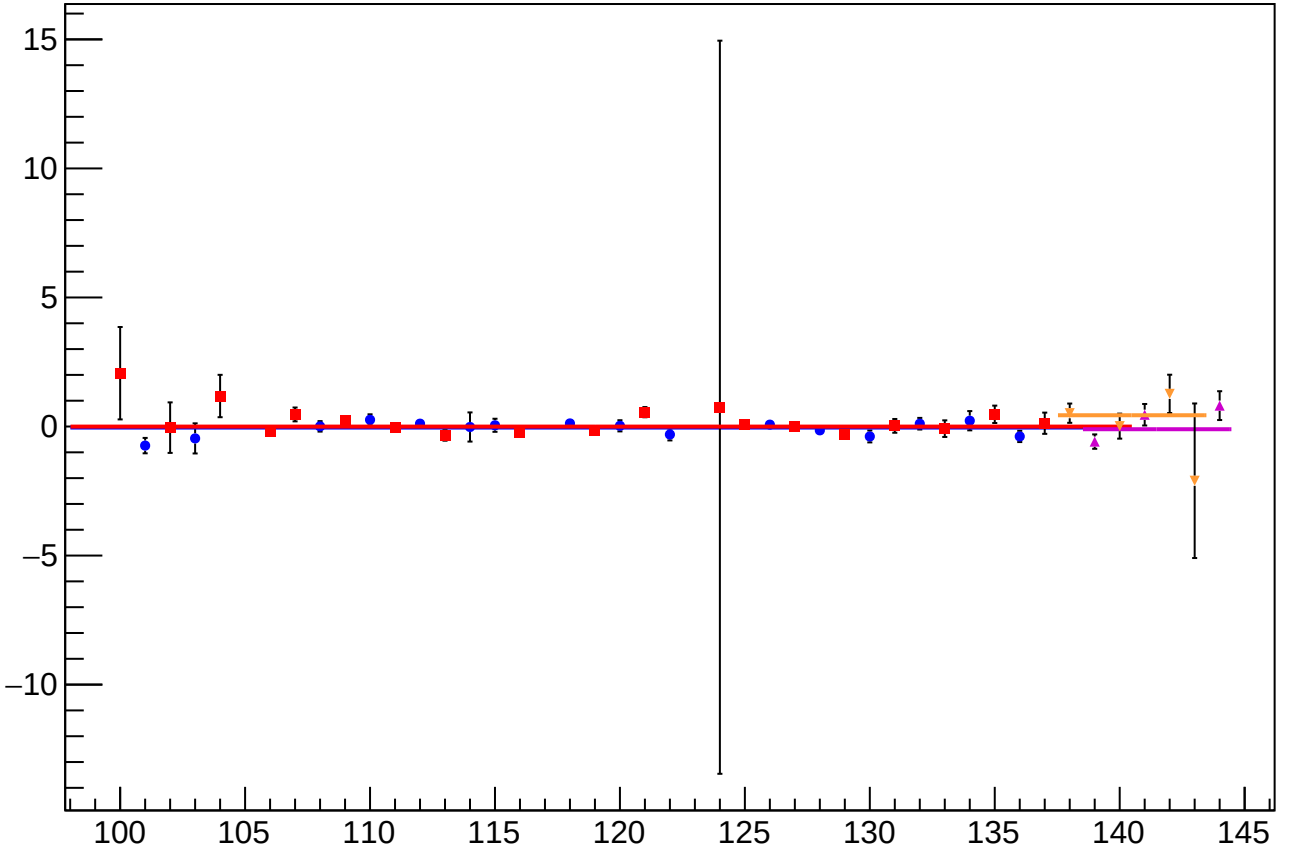
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1010855.1/18

Out: 0.000+/-0.000 χ^2/NDF:5310564.8/22

All: 0.000+/-0.000 χ^2/NDF: 10342877.0/41

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.105+/-0.214 χ^2/NDF:7.5/2

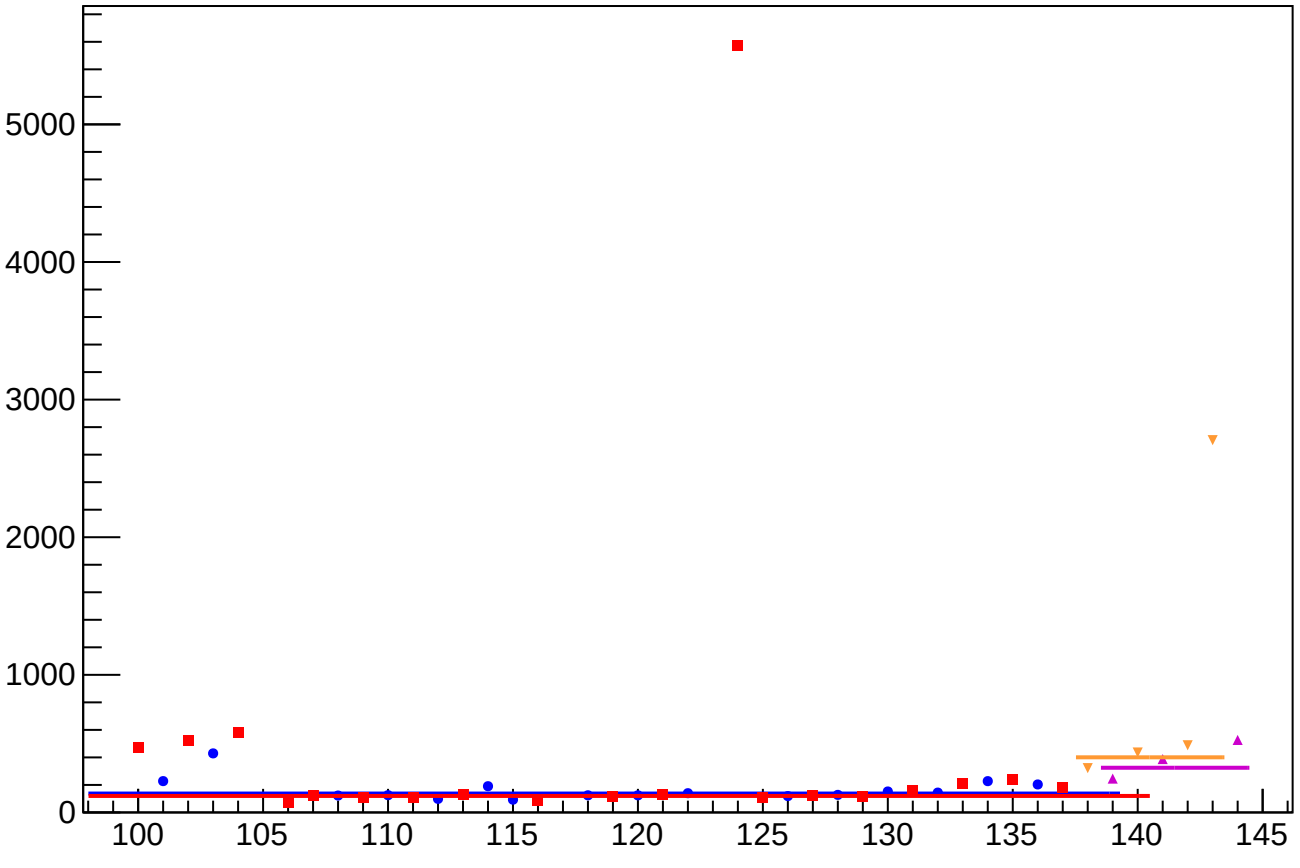
Left: 0.101+/-0.169 χ^2/NDF: 12.6/6

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.044+/-0.054 χ^2/NDF:25.5/18

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.014+/-0.037 χ^2/NDF: 60.0/41



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 400.677+/-0.194 χ^2/NDF:1311677.8/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 324.831+/-0.151 χ^2/NDF:467634.8/2

Left: 353.619+/-0.119 χ^2/NDF: 1874631.9/6

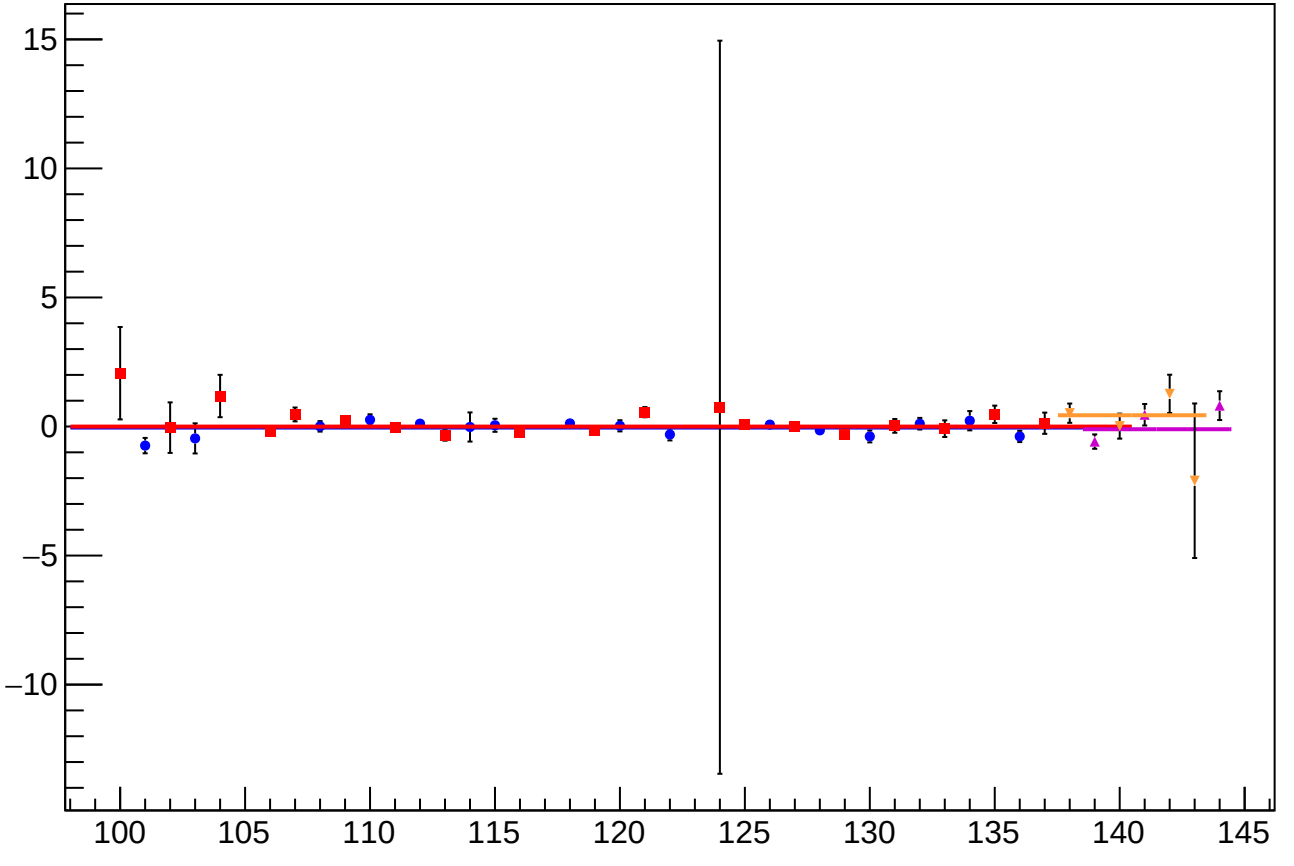
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 149.335+/-0.038 χ^2/NDF:3171832.9/18

Out: 129.401+/-0.035 χ^2/NDF:5484994.8/22

All: 138.613+/-0.026 χ^2/NDF: 8803353.5/41

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.105+/-0.214 χ^2/NDF:7.5/2

Left: 0.101+/-0.169 χ^2/NDF: 12.6/6

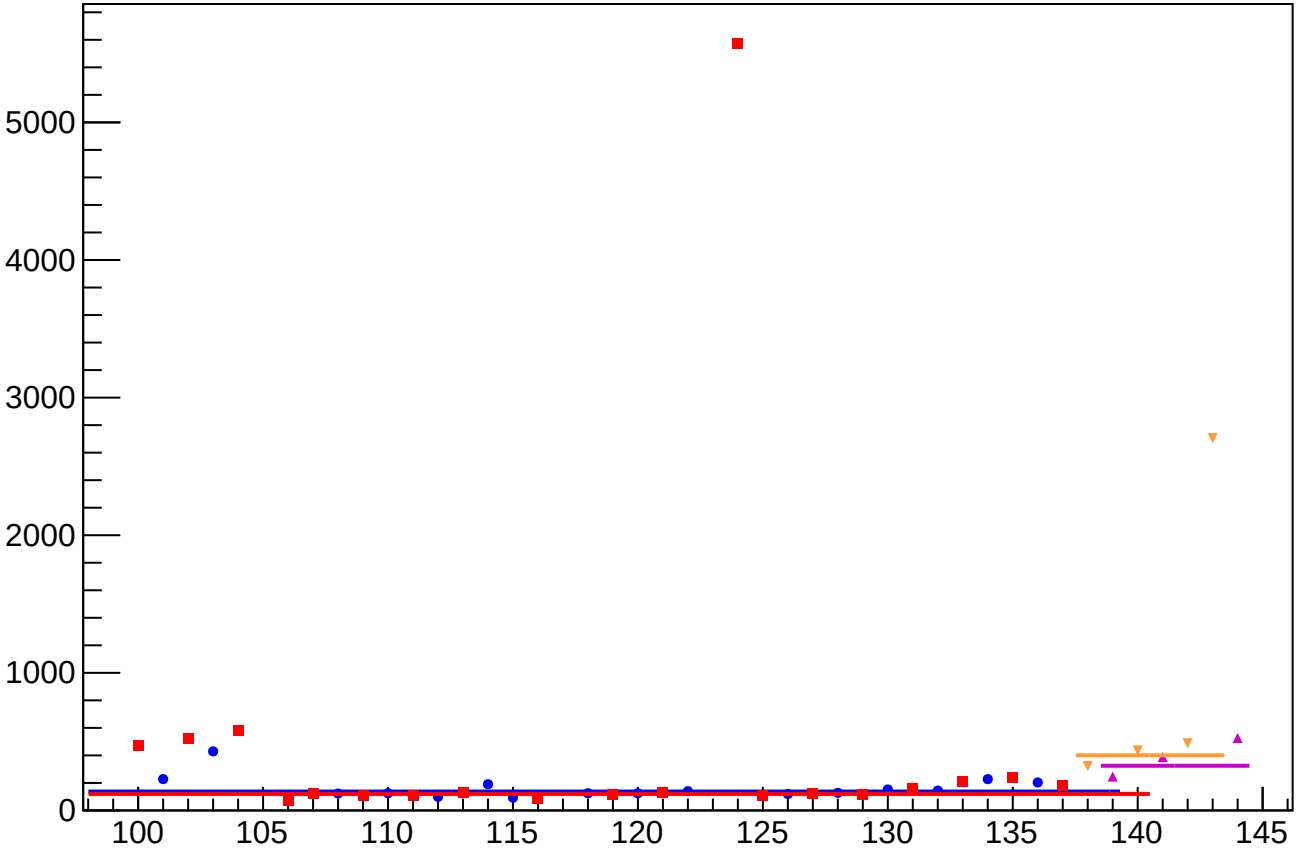
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.044+/-0.054 χ^2/NDF:25.5/18

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.014+/-0.037 χ^2/NDF: 60.0/41

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: 400.677+/-0.194 χ^2/NDF:1311677.8/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 324.831+/-0.151 χ^2/NDF:467634.8/2

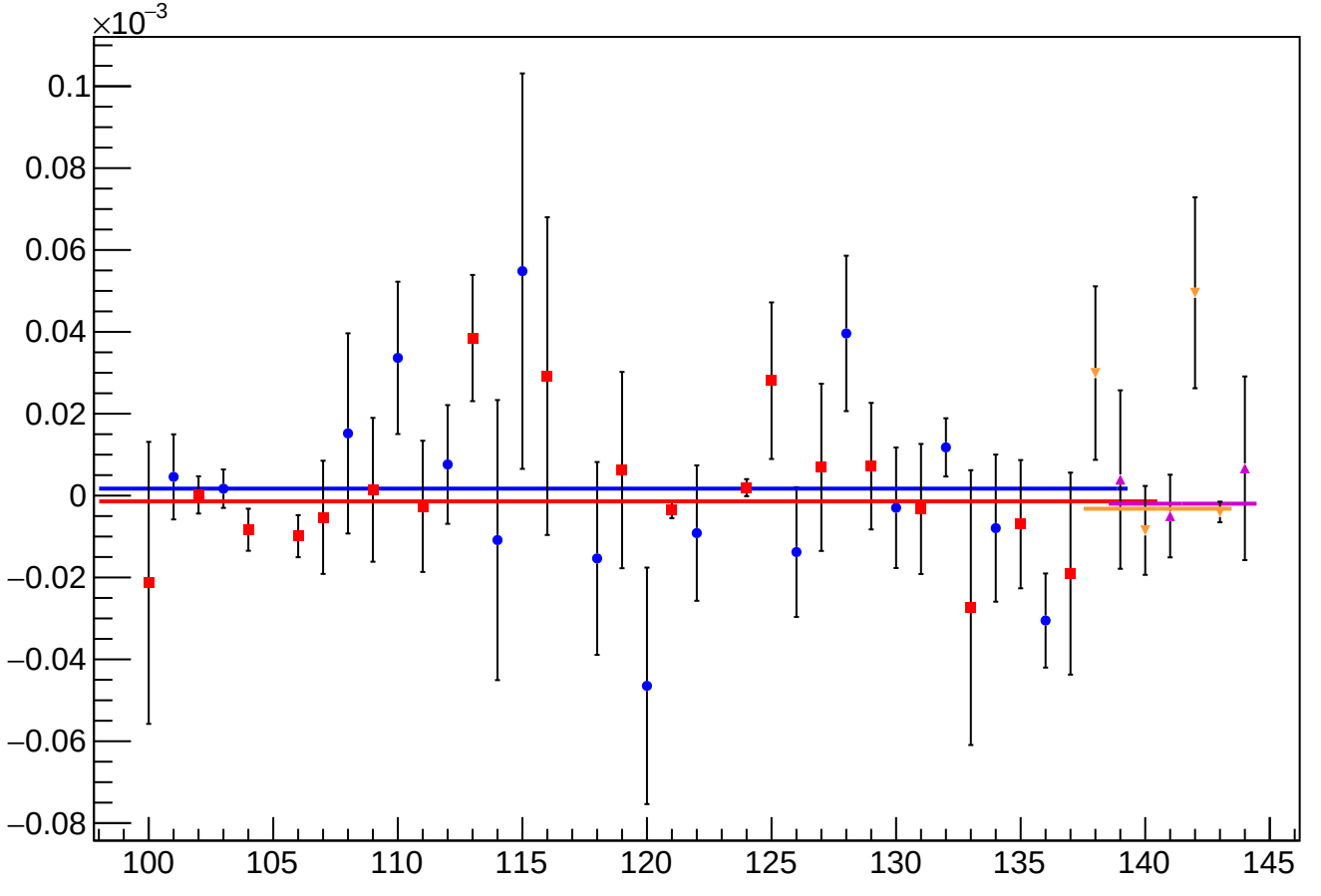
Left: 353.619+/-0.119 χ^2/NDF: 1874631.9/6

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 149.335+/-0.038 χ^2/NDF:3171832.9/18

Out: 129.401+/-0.035 χ^2/NDF:5484994.8/22

All: 138.613+/-0.026 χ^2/NDF: 8803353.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

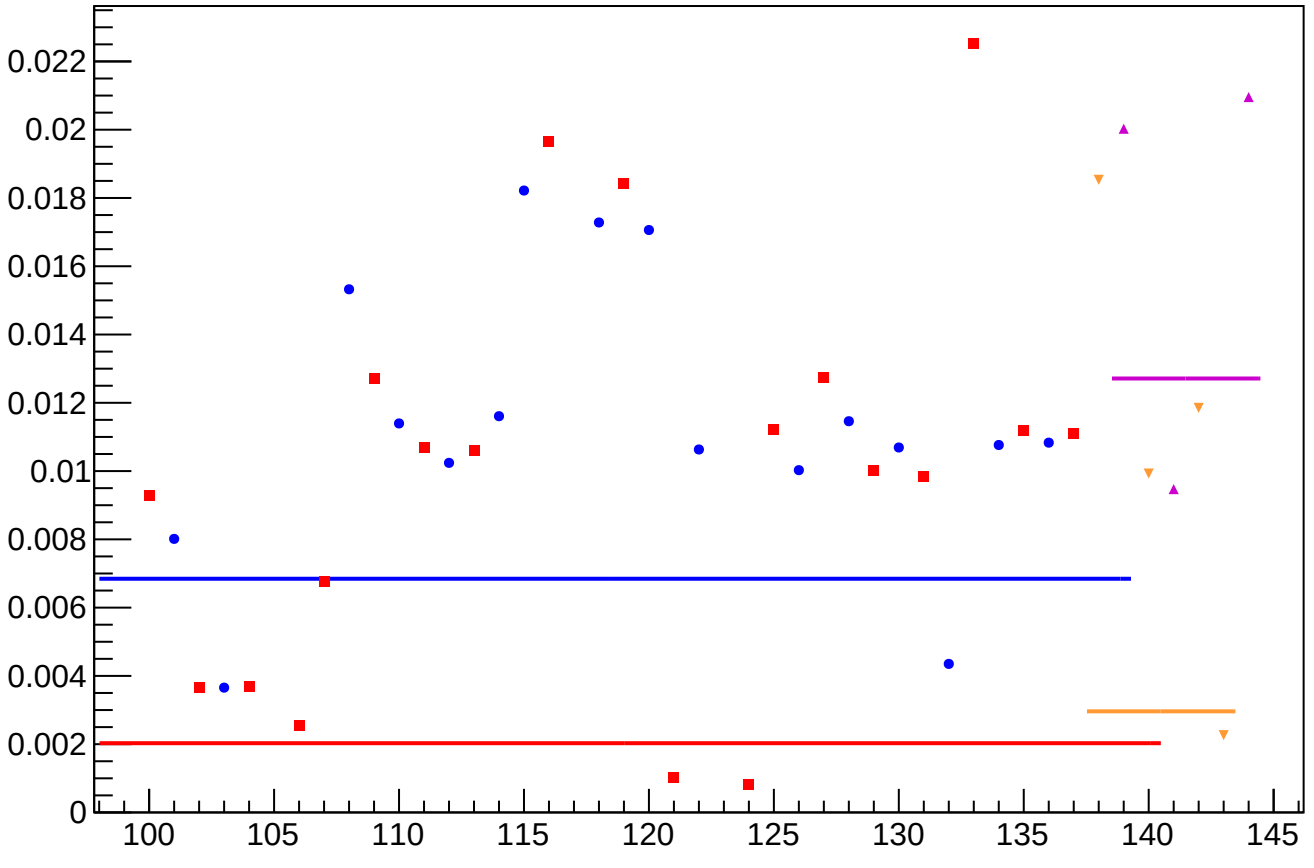
Left: -0.000+/-0.000 χ^2/NDF: 8.2/6

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:24.3/18

Out: -0.000+/-0.000 χ^2/NDF:28.6/22

All: -0.000+/-0.000 χ^2/NDF: 53.9/41



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2347859.7/3

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.013+/-0.000 χ^2/NDF:701415.0/2

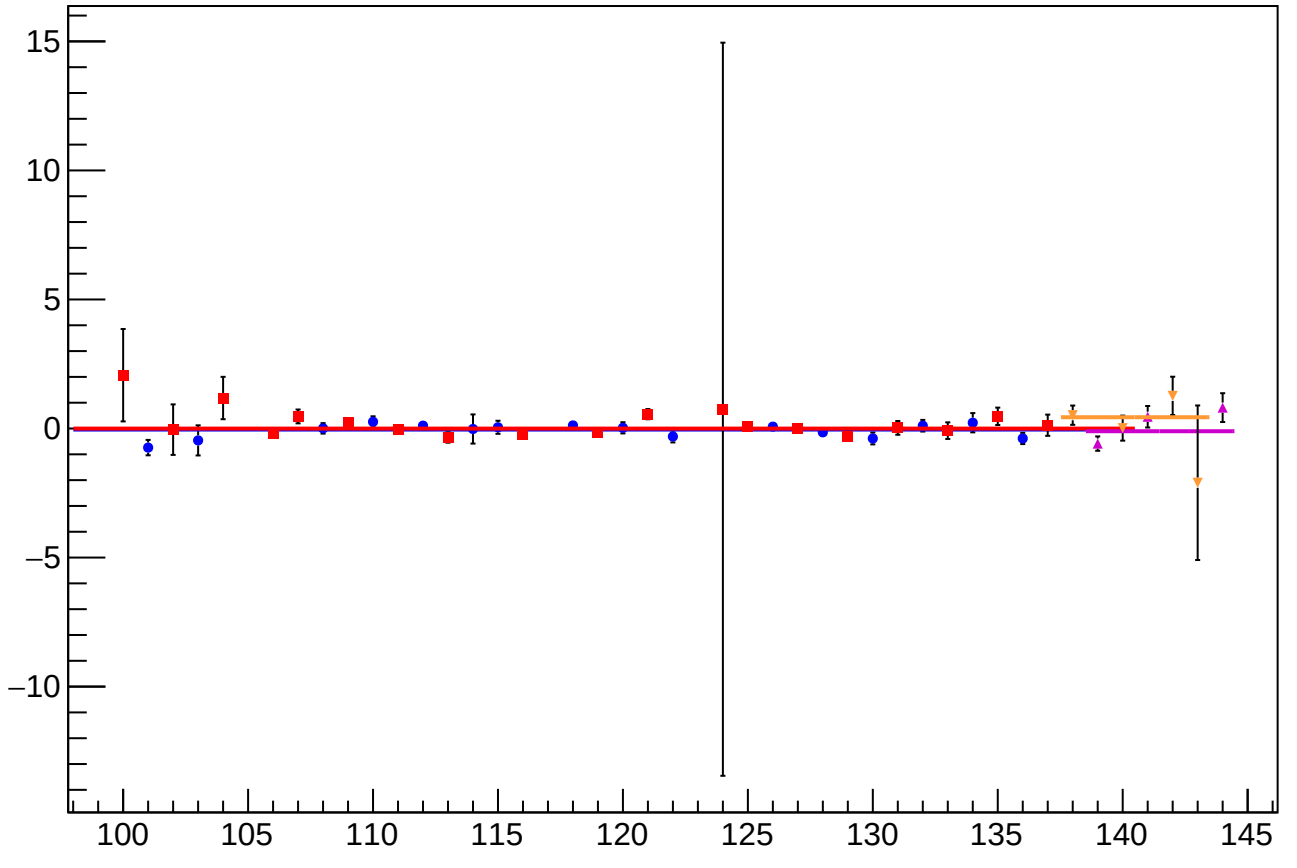
Left: 0.004+/-0.000 χ^2/NDF: 5492791.6/6

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:4783871.5/18

Out: 0.002+/-0.000 χ^2/NDF:11589201.1/22

All: 0.003+/-0.000 χ^2/NDF: 22459077.7/41



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.105+/-0.214 χ^2/NDF:7.5/2

Left: 0.101+/-0.169 χ^2/NDF: 12.6/6

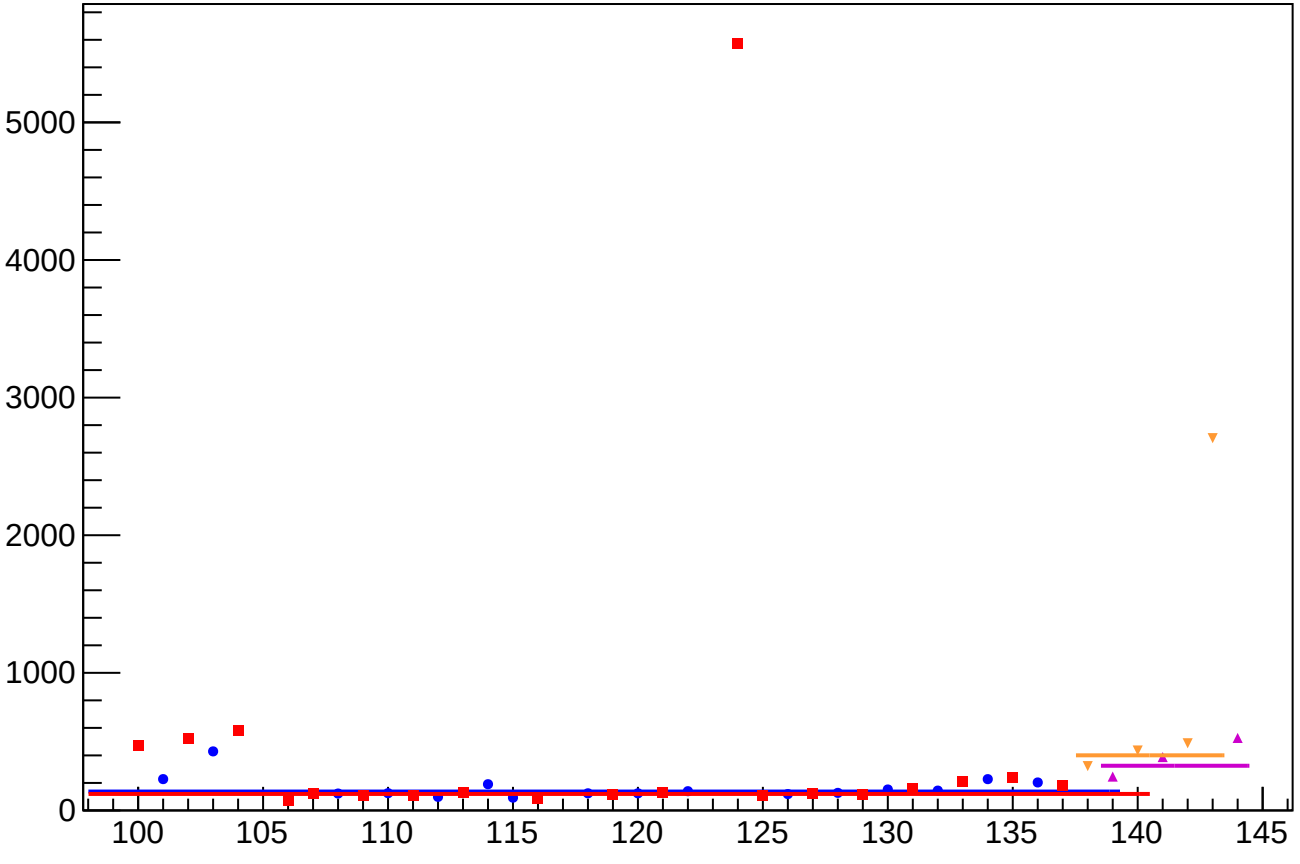
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.044+/-0.054 χ^2/NDF:25.5/18

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.014+/-0.037 χ^2/NDF: 60.0/41

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 400.680+/-0.194 χ^2/NDF:1311683.2/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 324.839+/-0.151 χ^2/NDF:467614.0/2

Left: 353.626+/-0.119 χ^2/NDF: 1874601.4/6

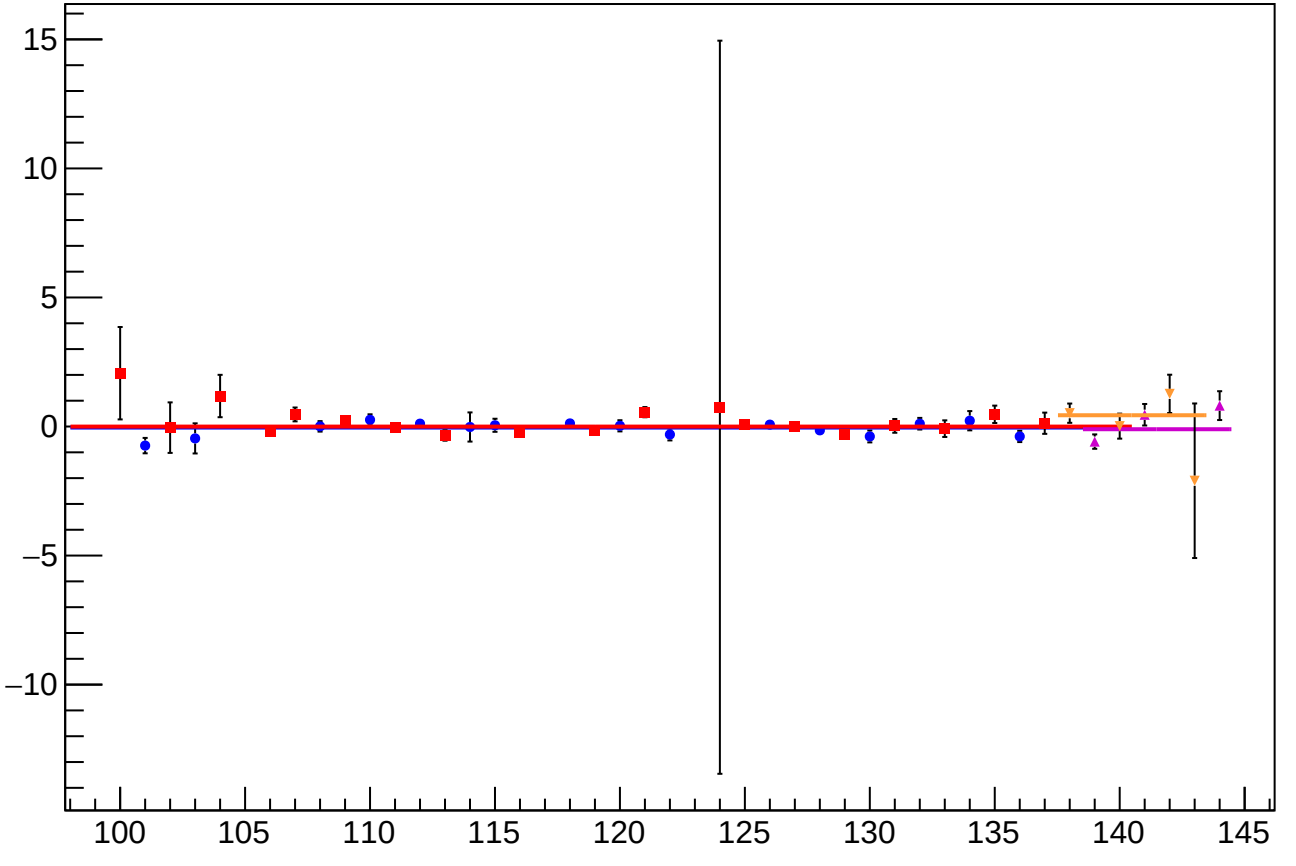
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 149.336+/-0.038 χ^2/NDF:3171802.9/18

Out: 129.401+/-0.035 χ^2/NDF:5484944.3/22

All: 138.613+/-0.026 χ^2/NDF: 8803287.0/41

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.105+/-0.214 χ^2/NDF:7.5/2

Left: 0.101+/-0.169 χ^2/NDF: 12.6/6

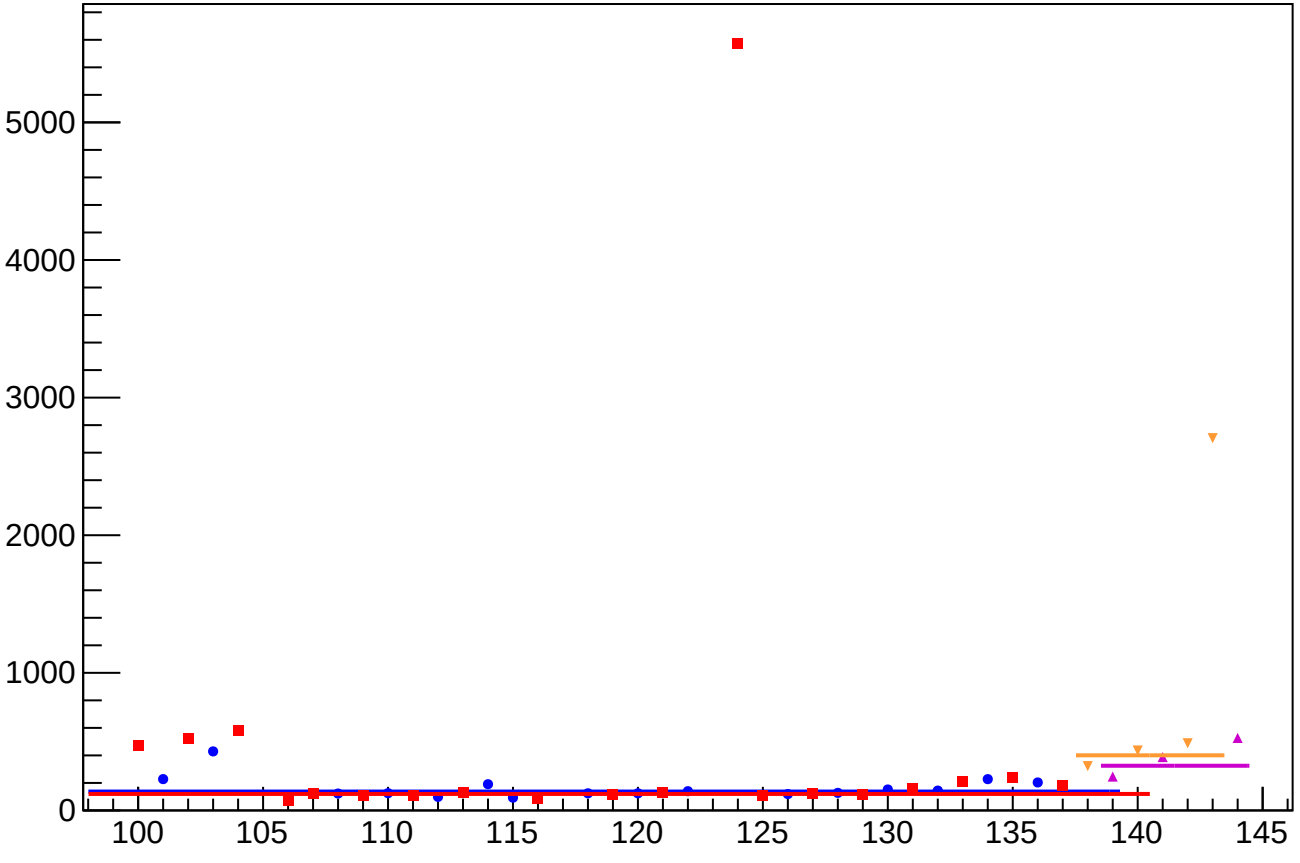
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.044+/-0.054 χ^2/NDF:25.5/18

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.014+/-0.037 χ^2/NDF: 60.0/41

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: 400.680+/-0.194 χ^2/NDF:1311683.2/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 324.839+/-0.151 χ^2/NDF:467614.0/2

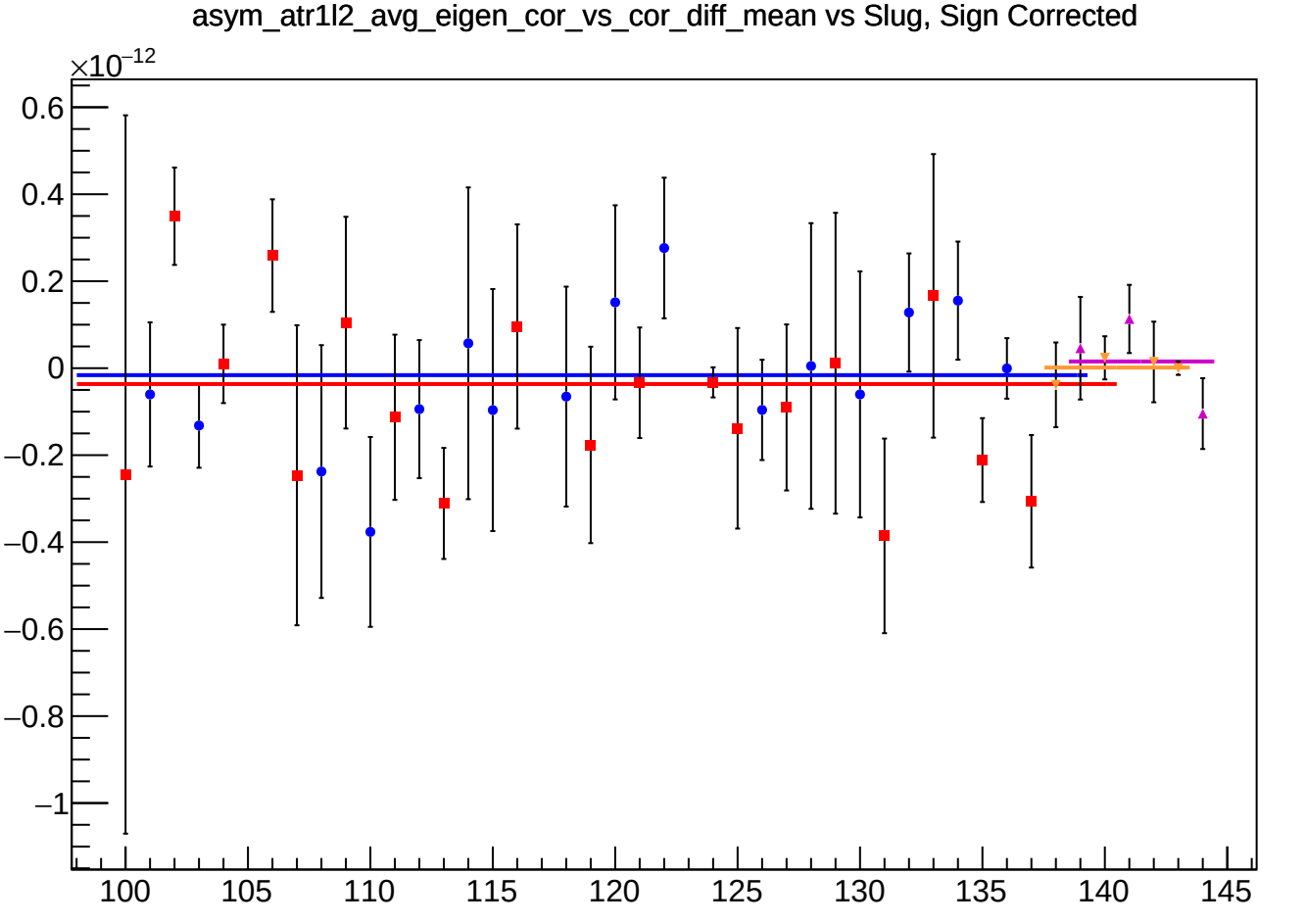
Left: 353.626+/-0.119 χ^2/NDF: 1874601.4/6

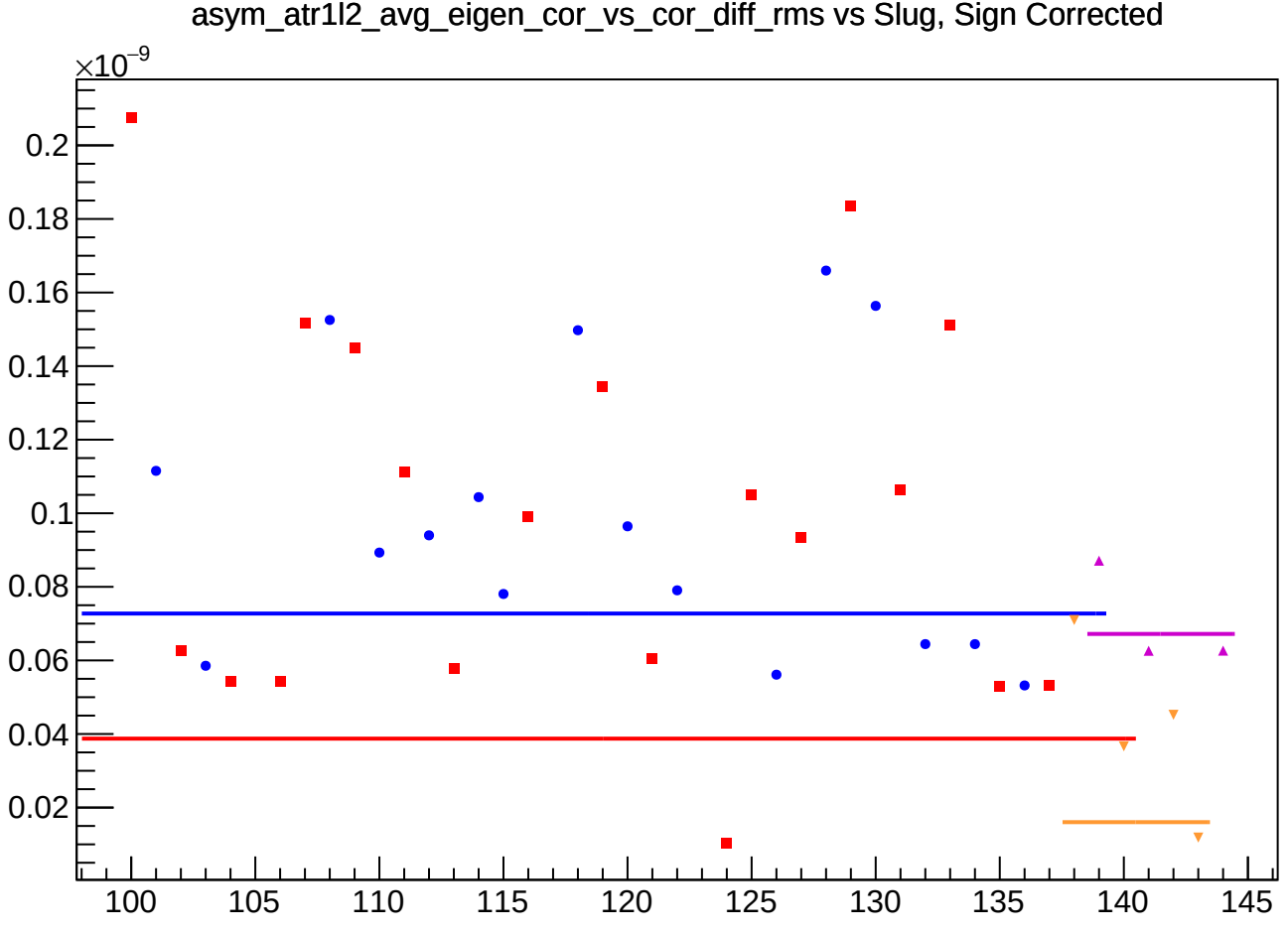
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 149.336+/-0.038 χ^2/NDF:3171802.9/18

Out: 129.401+/-0.035 χ^2/NDF:5484944.3/22

All: 138.613+/-0.026 χ^2/NDF: 8803287.0/41


asym_atr1l2_avg_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
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:3.8/2
Left: 0.000+/-0.000 χ²/NDF: 4.3/6
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:16.4/18
Out: -0.000+/-0.000 χ²/NDF:35.2/22
All: -0.000+/-0.000 χ²/NDF: 51.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1326974.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:69999.1/2

Left: 0.000+/-0.000 χ^2/NDF: 3265435.5/6

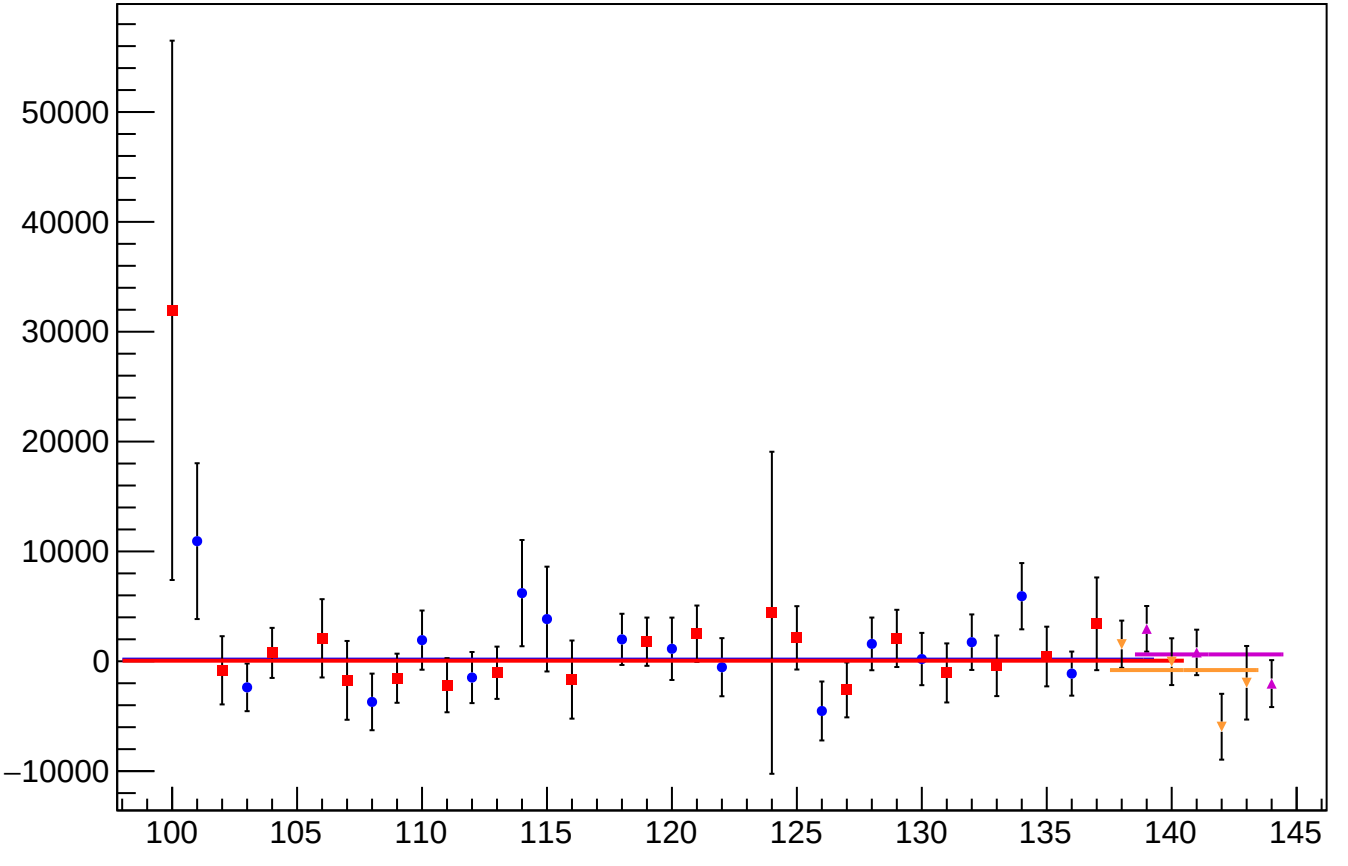
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1213477.6/18

Out: 0.000+/-0.000 χ^2/NDF:6801252.0/22

All: 0.000+/-0.000 χ^2/NDF: 12591586.7/41

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -800.810+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 625.226+/-1209.261 χ^2/NDF:2.8/2

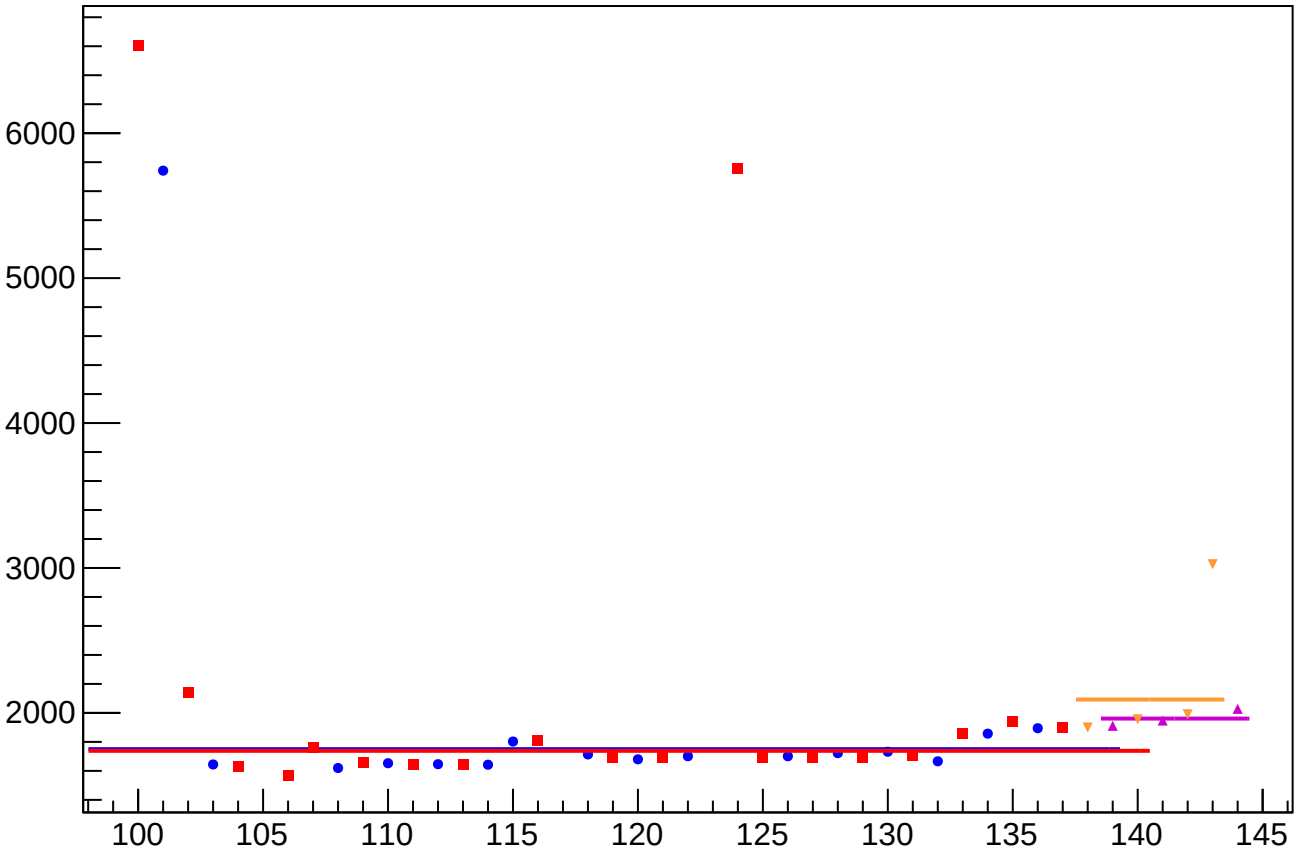
Left: -62.701+/-869.992 χ^2/NDF: 7.9/6

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 261.416+/-584.066 χ^2/NDF:20.6/18

Out: -129.584+/-580.618 χ^2/NDF:13.7/22

All: 64.758+/-411.773 χ^2/NDF: 34.5/41



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

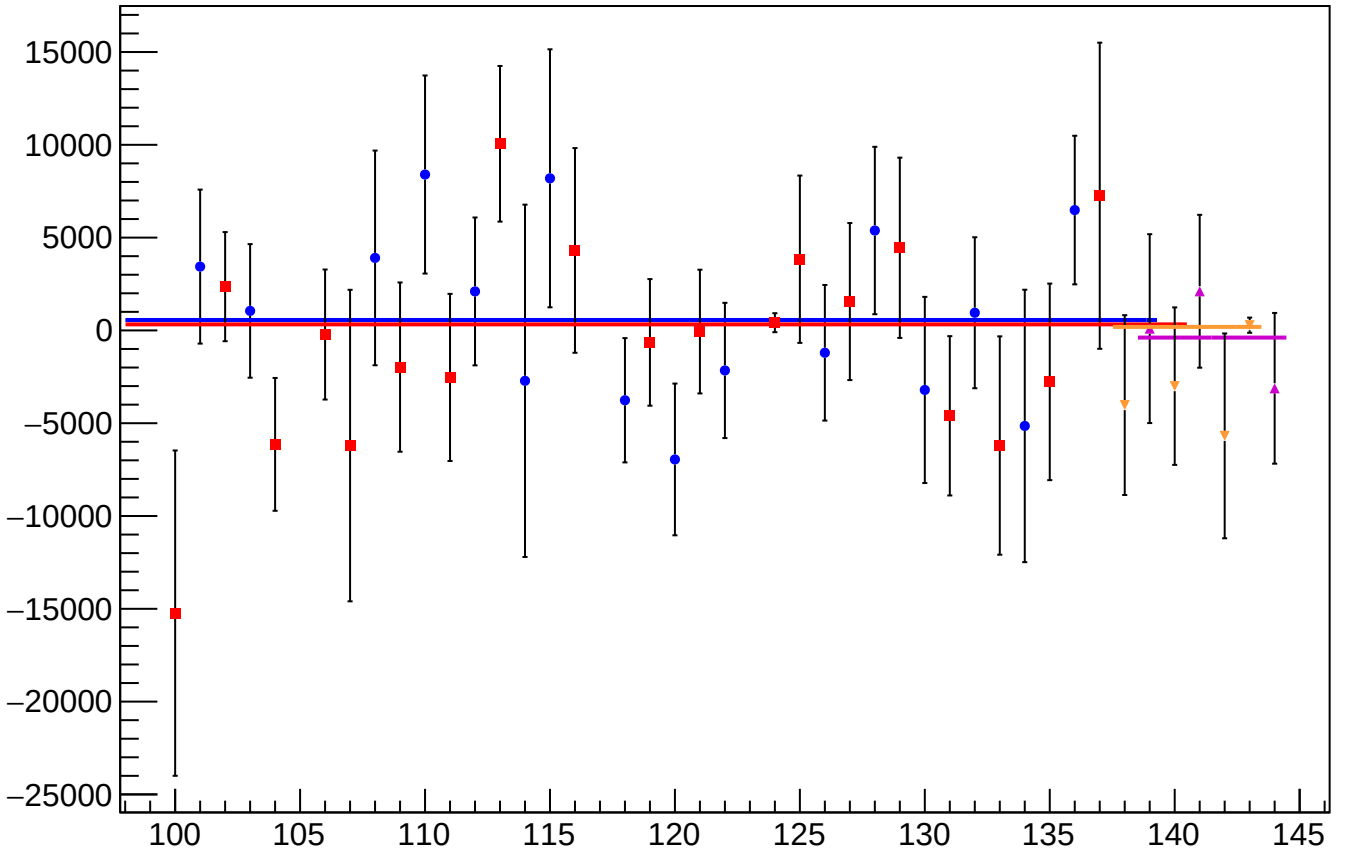
Left: 2024.301+/-0.615 χ^2/NDF: 196610.4/6

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1799.108+/-0.413 χ^2/NDF:719508.7/18

Out: 1813.632+/-0.408 χ^2/NDF:612174.1/22

All: 1806.455+/-0.290 χ^2/NDF: 1332308.4/41



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 189.107+/-404.683 χ^2/NDF:2.5/3

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -386.187+/-2513.981 χ^2/NDF:0.8/2

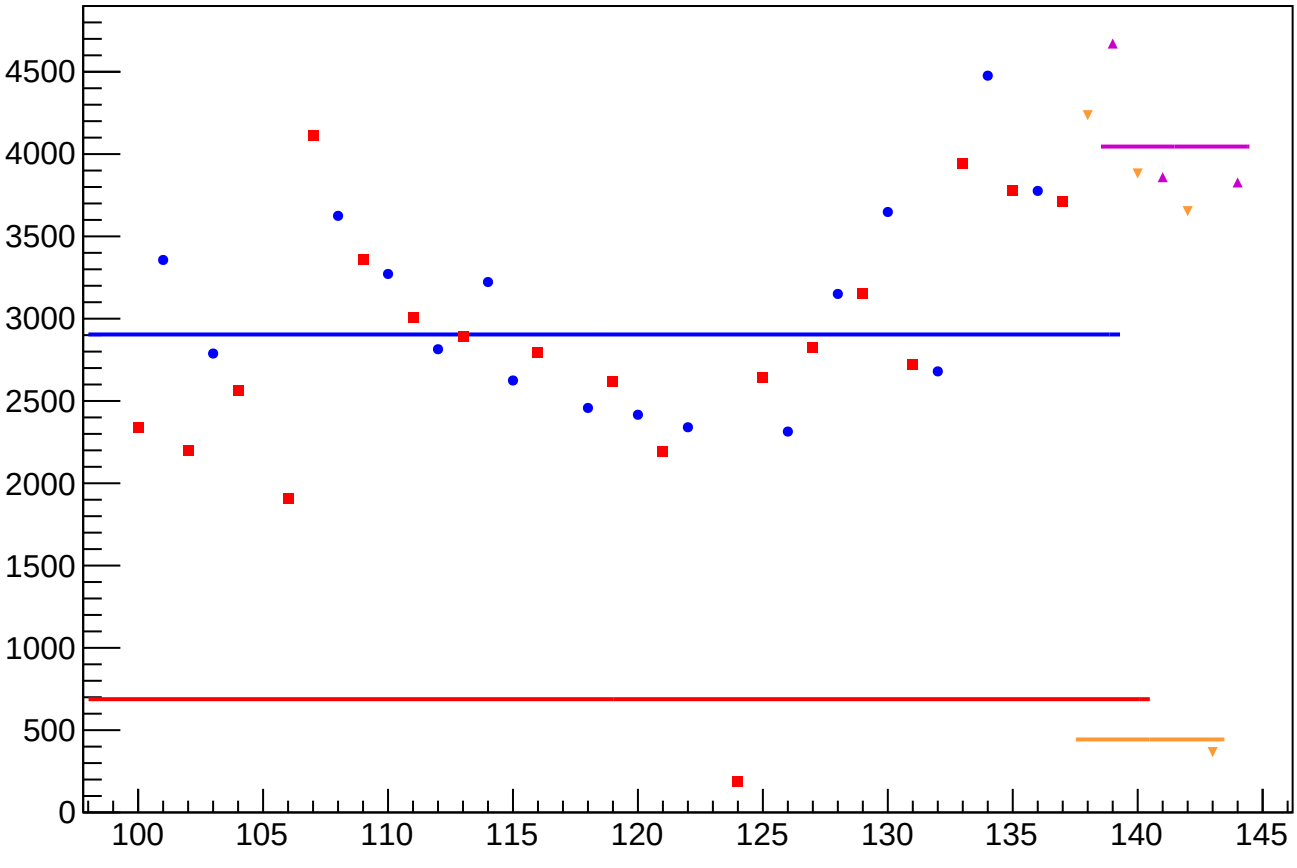
Left: 174.576+/-399.540 χ^2/NDF: 3.4/6

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 409.651+/-1008.647 χ^2/NDF:15.8/18

Out: 248.943+/-303.246 χ^2/NDF:21.8/22

All: 262.265+/-290.405 χ^2/NDF: 37.6/41



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 443.439+/-0.286 χ^2/NDF:3287077.6/3

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4045.667+/-1.778 χ^2/NDF:40113.9/2

Left: 534.424+/-0.283 χ^2/NDF: 7329755.3/6

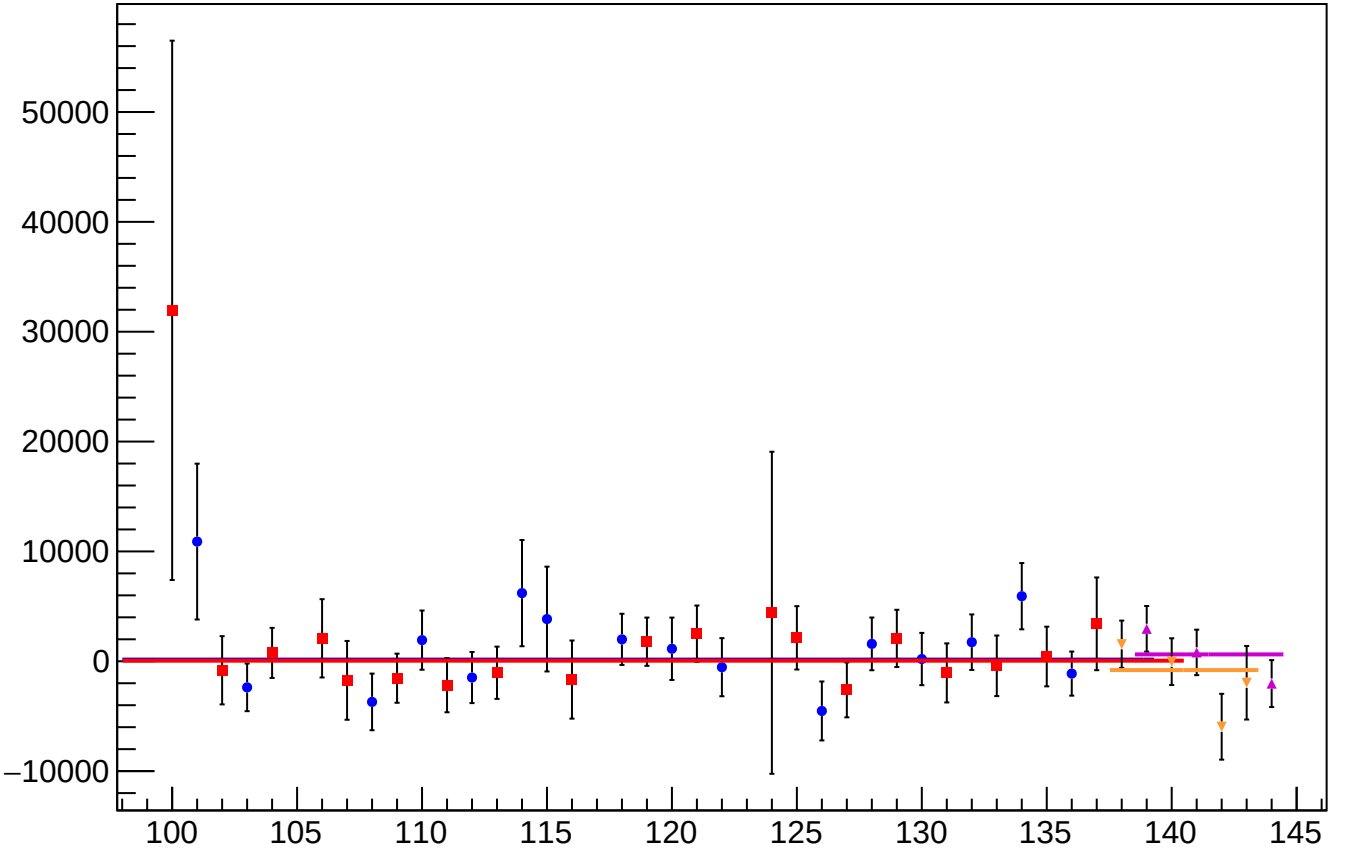
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3087.828+/-0.713 χ^2/NDF:865919.6/18

Out: 550.816+/-0.214 χ^2/NDF:13757108.8/22

All: 761.122+/-0.205 χ^2/NDF: 26227234.0/41

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 625.349+/-1209.261 χ^2/NDF:2.8/2

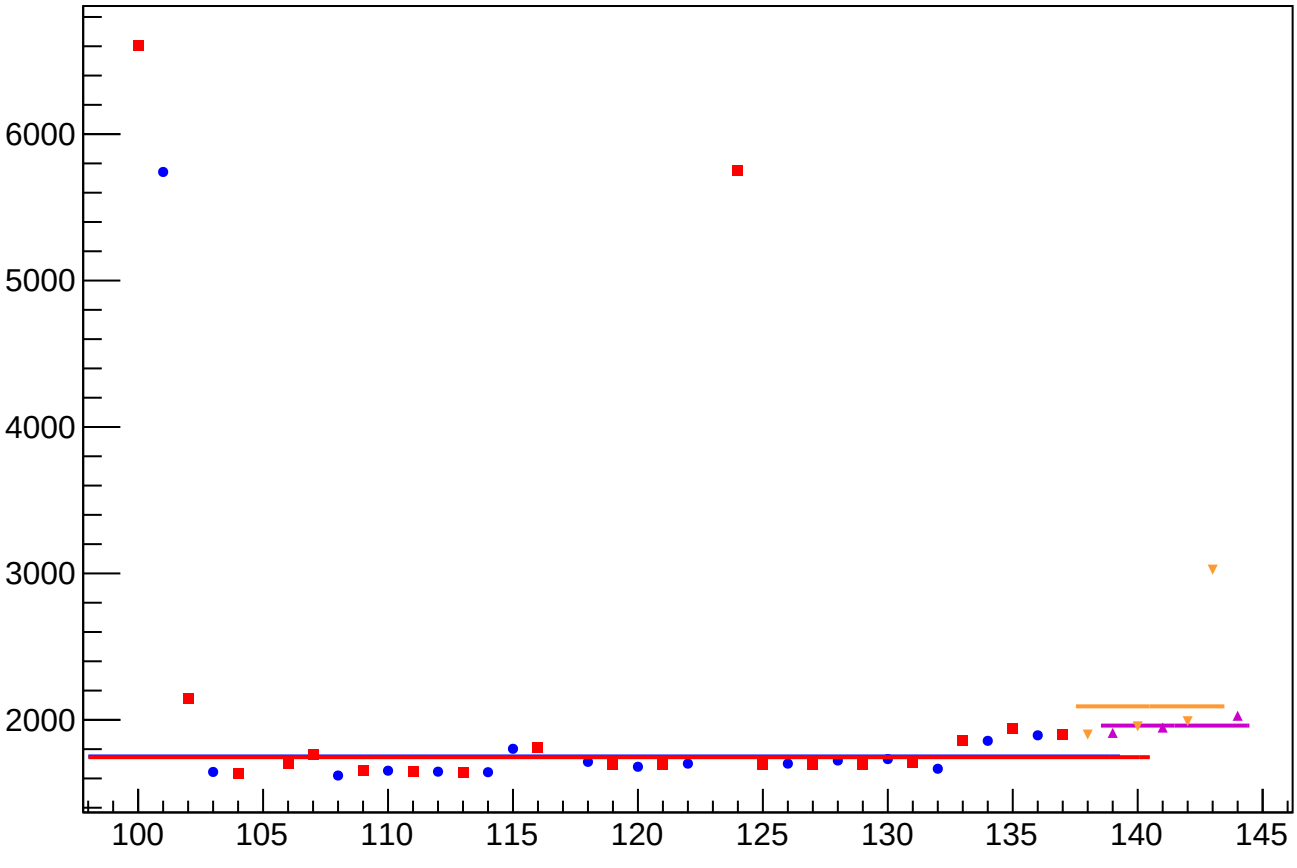
Left: -62.687+/-869.992 χ^2/NDF: 7.9/6

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 261.086+/-584.066 χ^2/NDF:20.6/18

Out: -129.566+/-580.618 χ^2/NDF:13.7/22

All: 64.603+/-411.773 χ^2/NDF: 34.5/41



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

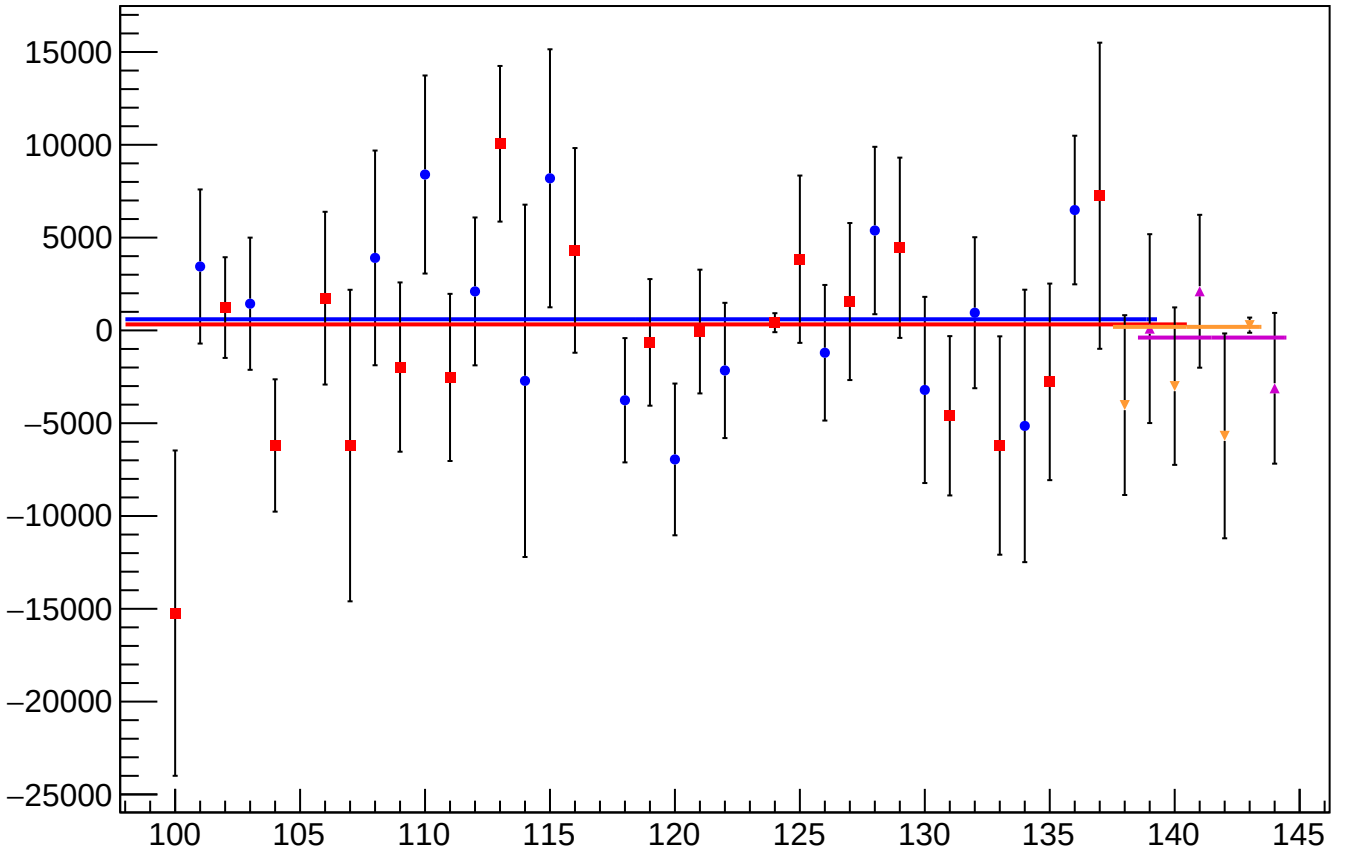
Left: 2024.301+/-0.615 χ^2/NDF: 196610.4/6

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1799.108+/-0.413 χ^2/NDF:719509.1/18

Out: 1819.326+/-0.409 χ^2/NDF:600762.7/22

All: 1809.306+/-0.291 χ^2/NDF: 1321480.7/41



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 190.116+/-404.718 χ^2/NDF:2.5/3

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -386.242+/-2513.974 χ^2/NDF:0.8/2

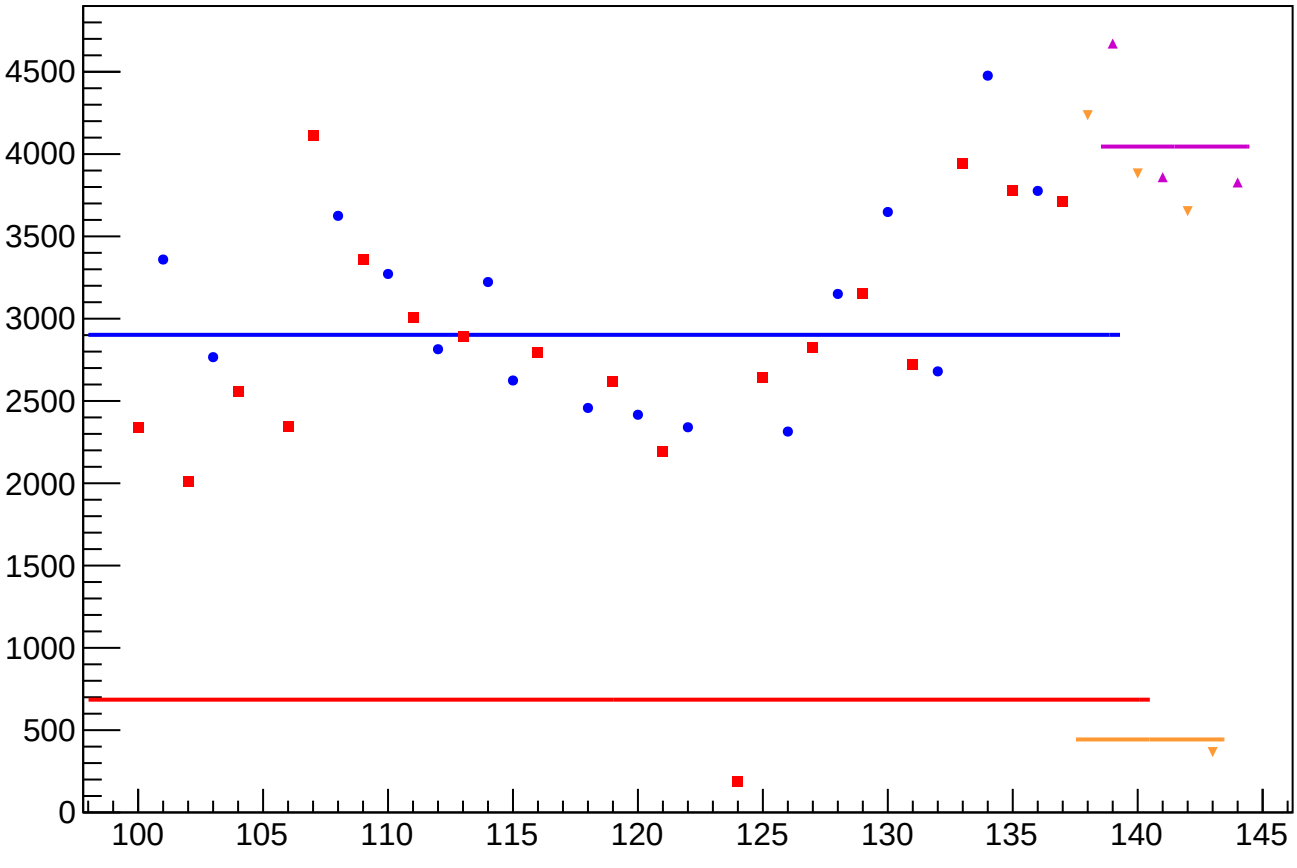
Left: 175.556+/-399.574 χ^2/NDF: 3.4/6

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 441.661+/-1007.849 χ^2/NDF:15.8/18

Out: 248.331+/-303.526 χ^2/NDF:21.6/22

All: 264.408+/-290.632 χ^2/NDF: 37.4/41



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4045.658+/-1.778 χ^2/NDF:40112.8/2

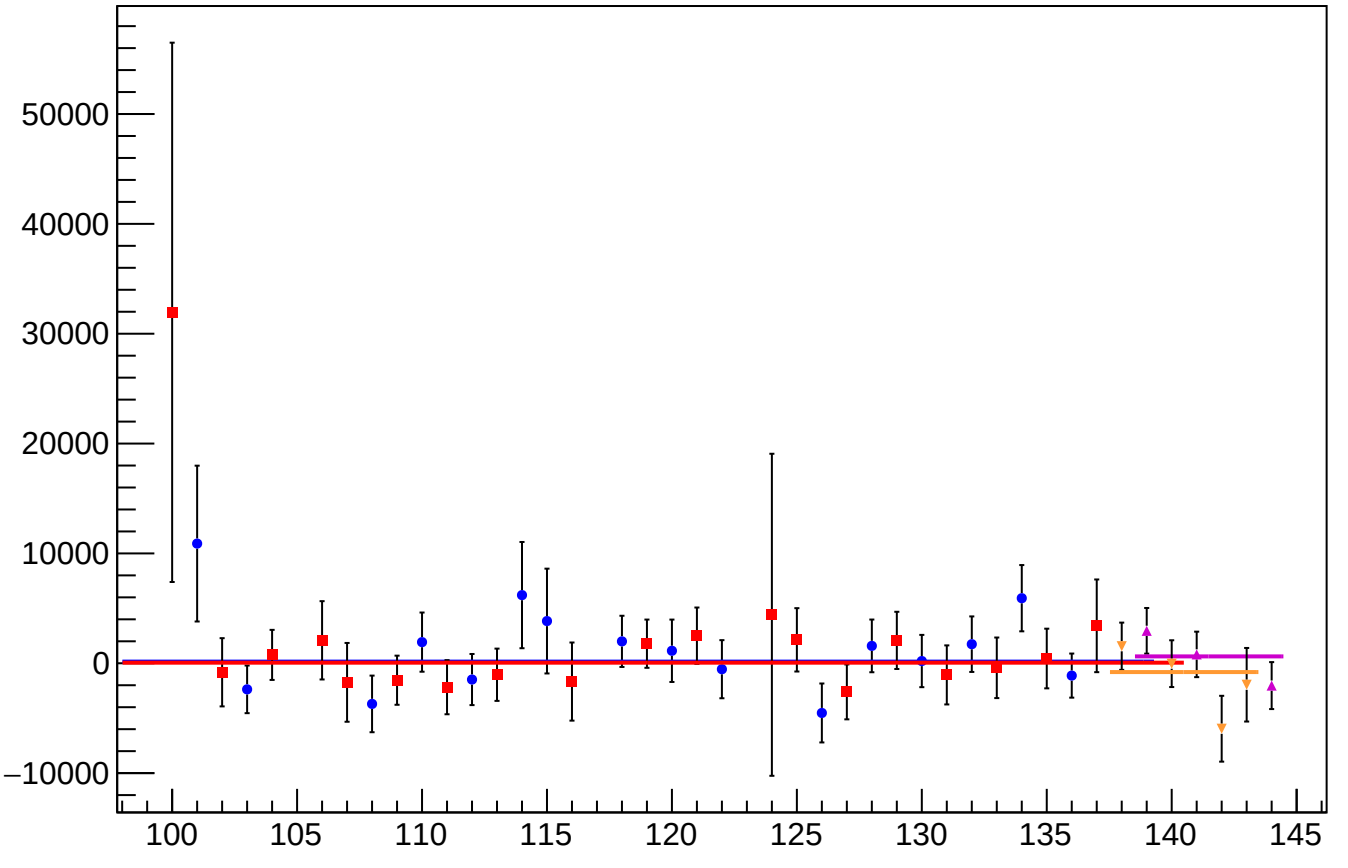
Left: 534.491+/-0.283 χ^2/NDF: 7329535.0/6

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3085.692+/-0.713 χ^2/NDF:868513.3/18

Out: 549.276+/-0.215 χ^2/NDF:13705066.4/22

All: 760.195+/-0.206 χ^2/NDF: 26187396.4/41



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 625.349+/-1209.261 χ^2/NDF:2.8/2

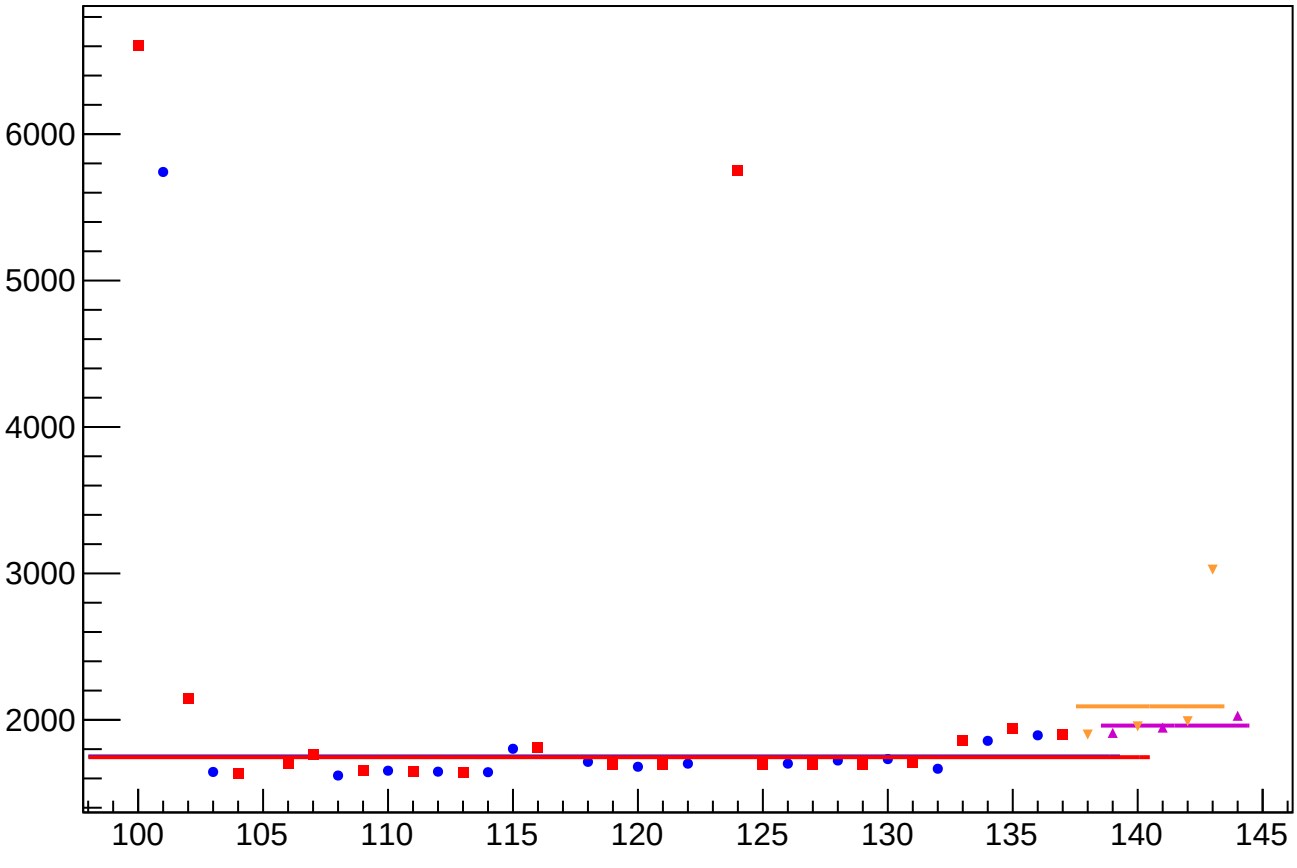
Left: -62.687+/-869.992 χ^2/NDF: 7.9/6

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 261.086+/-584.066 χ^2/NDF:20.6/18

Out: -129.566+/-580.618 χ^2/NDF:13.7/22

All: 64.603+/-411.773 χ^2/NDF: 34.5/41



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1960.953+/-0.855 χ^2/NDF:3207.4/2

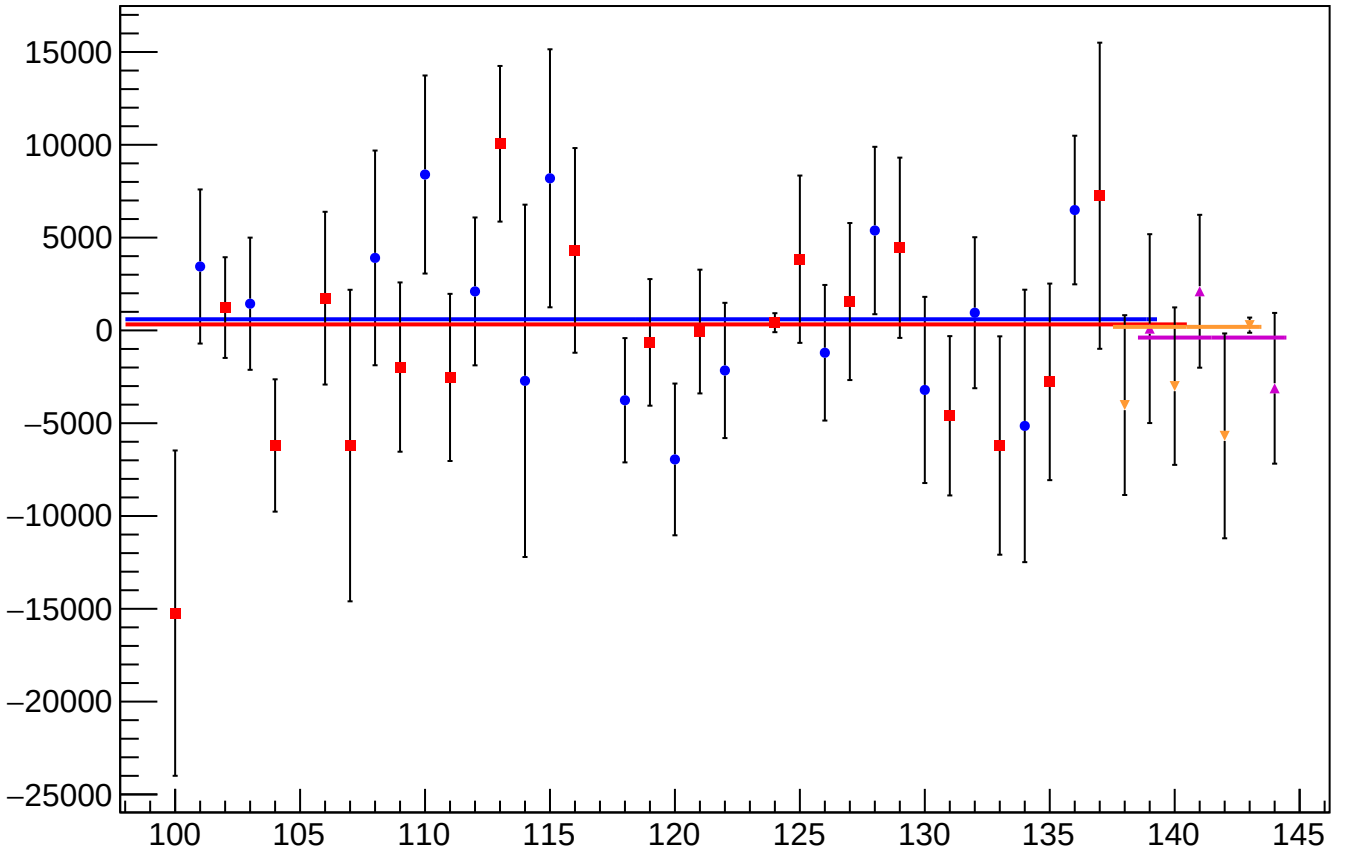
Left: 2024.301+/-0.615 χ^2/NDF: 196610.4/6

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1799.108+/-0.413 χ^2/NDF:719509.1/18

Out: 1819.326+/-0.409 χ^2/NDF:600762.7/22

All: 1809.306+/-0.291 χ^2/NDF: 1321480.7/41



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 190.116+/-404.718 χ^2/NDF:2.5/3

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -386.242+/-2513.974 χ^2/NDF:0.8/2

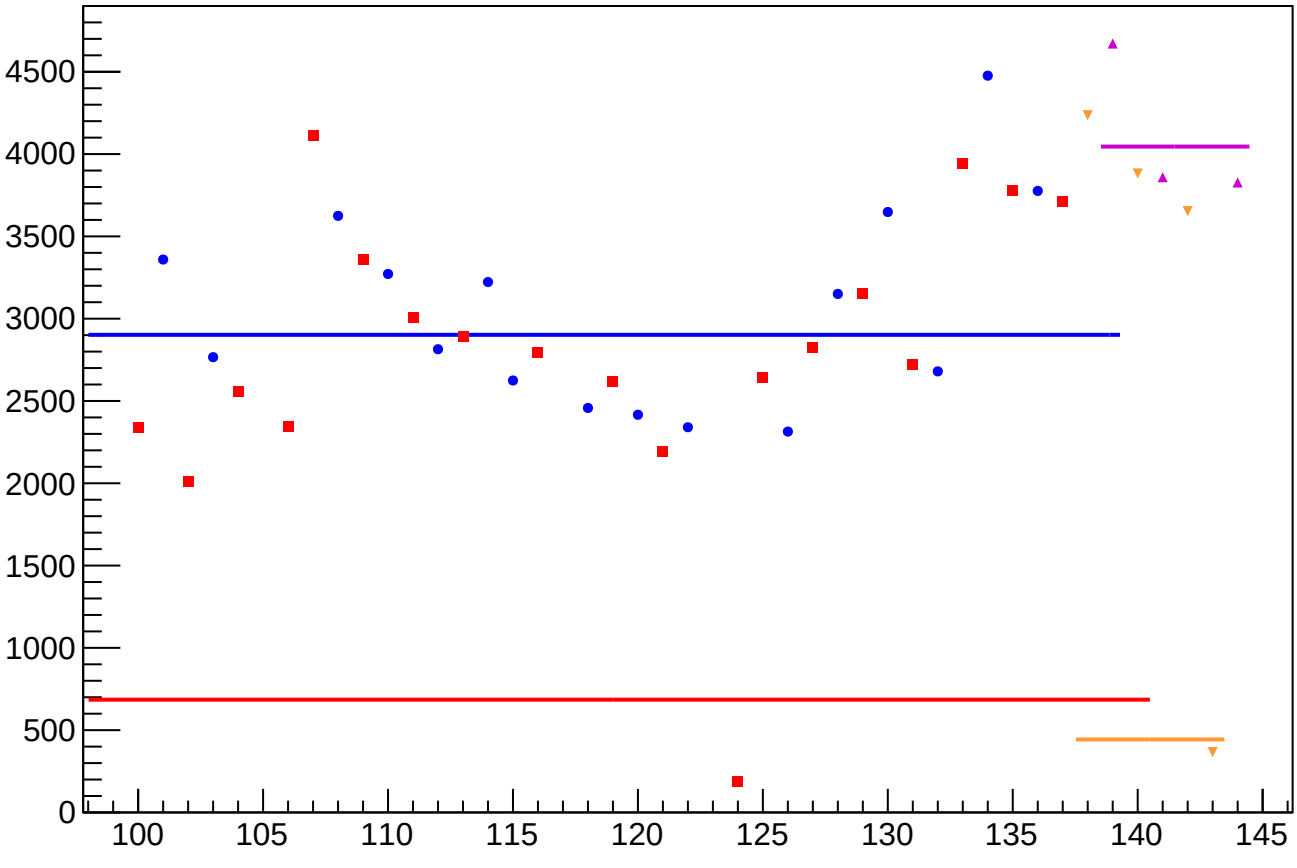
Left: 175.556+/-399.574 χ^2/NDF: 3.4/6

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 441.661+/-1007.849 χ^2/NDF:15.8/18

Out: 248.331+/-303.526 χ^2/NDF:21.6/22

All: 264.408+/-290.632 χ^2/NDF: 37.4/41



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4045.658+/-1.778 χ^2/NDF:40112.8/2

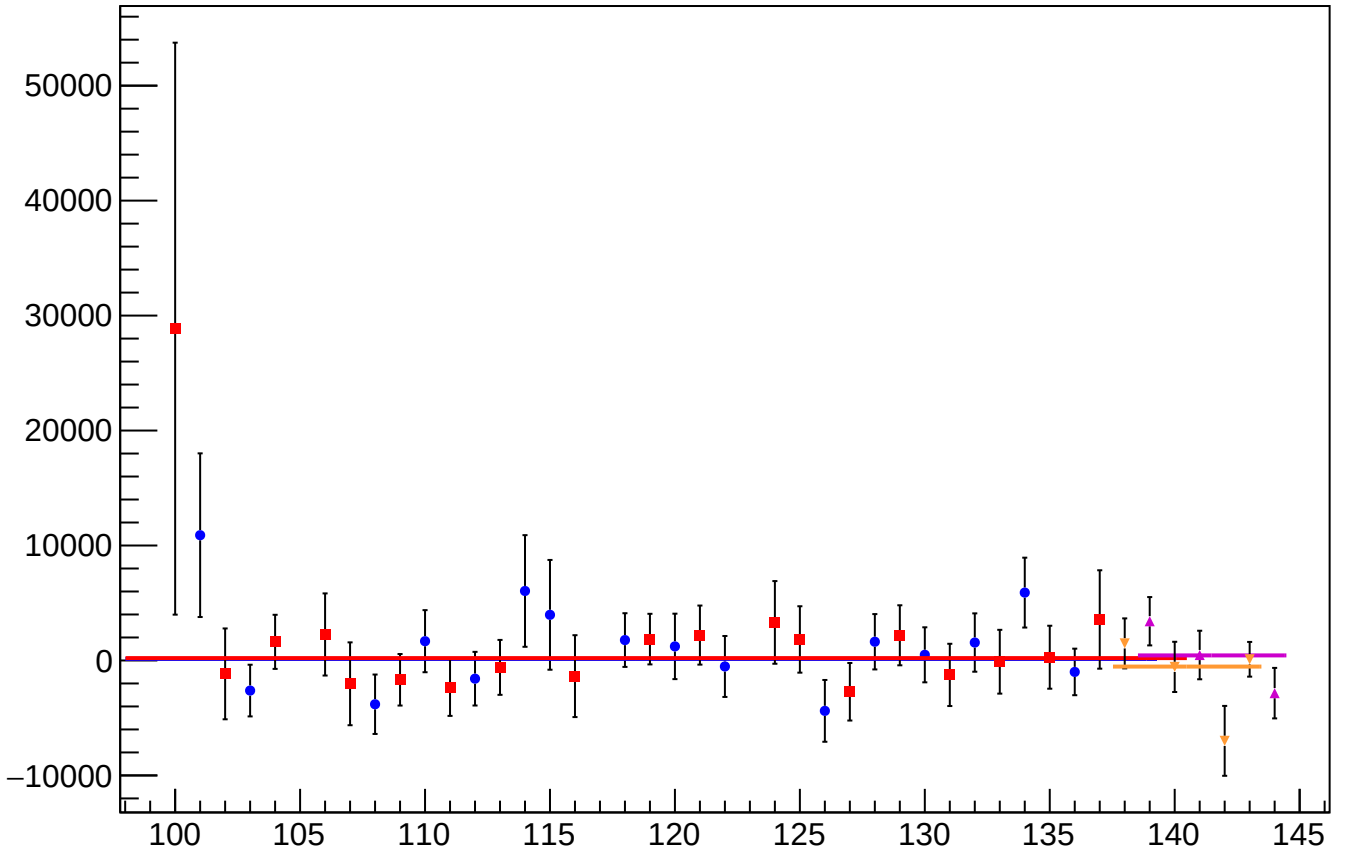
Left: 534.491+/-0.283 χ^2/NDF: 7329535.0/6

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3085.692+/-0.713 χ^2/NDF:868513.3/18

Out: 549.276+/-0.215 χ^2/NDF:13705066.4/22

All: 760.195+/-0.206 χ^2/NDF: 26187396.4/41



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.480+/-1016.494 χ^2/NDF:5.6/3

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 440.445+/-1232.936 χ^2/NDF:4.2/2

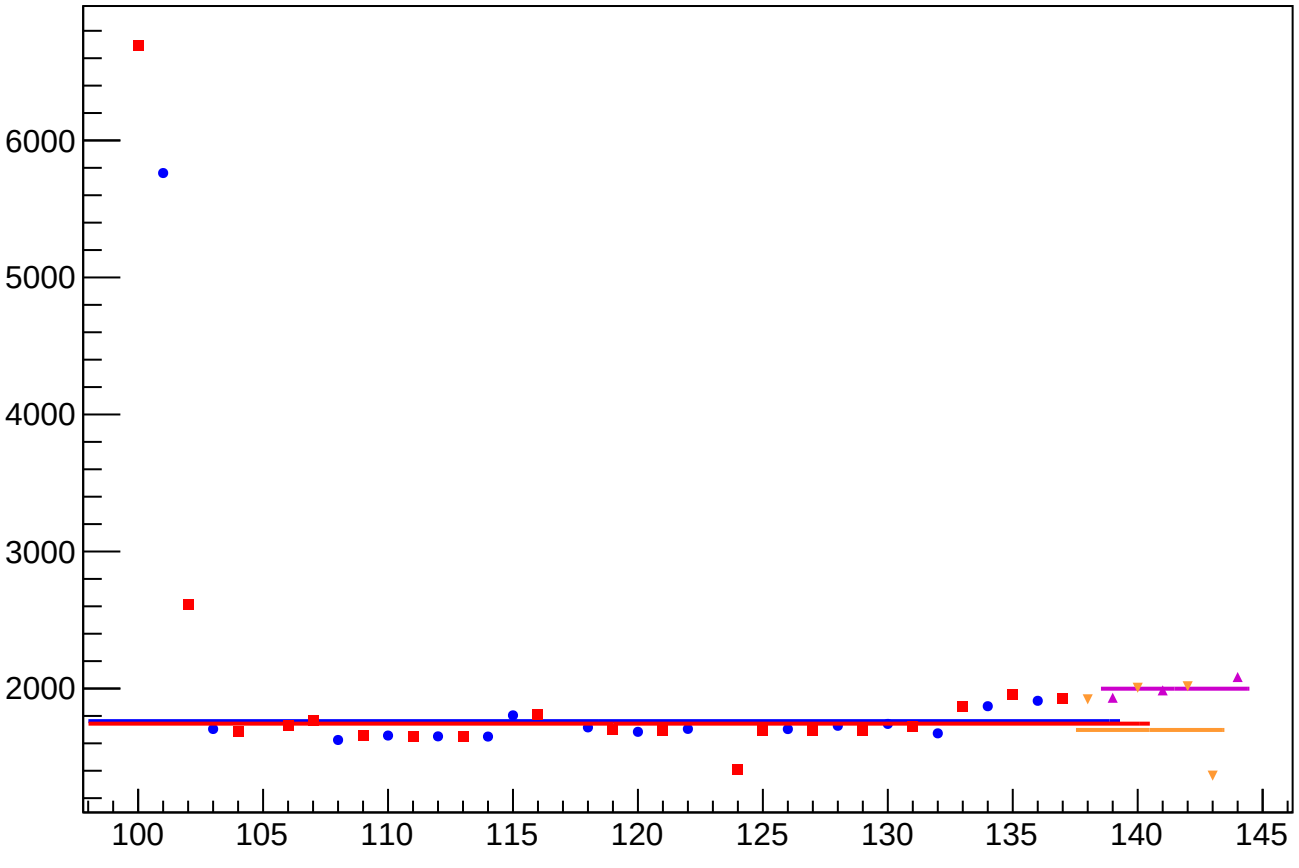
Left: -138.179+/-784.308 χ^2/NDF: 10.2/6

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 203.999+/-589.792 χ^2/NDF:21.6/18

Out: -10.520+/-550.262 χ^2/NDF:15.6/22

All: 89.311+/-402.343 χ^2/NDF: 37.3/41



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.706+/-0.719 χ^2/NDF:180386.6/3

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1998.817+/-0.872 χ^2/NDF:5052.7/2

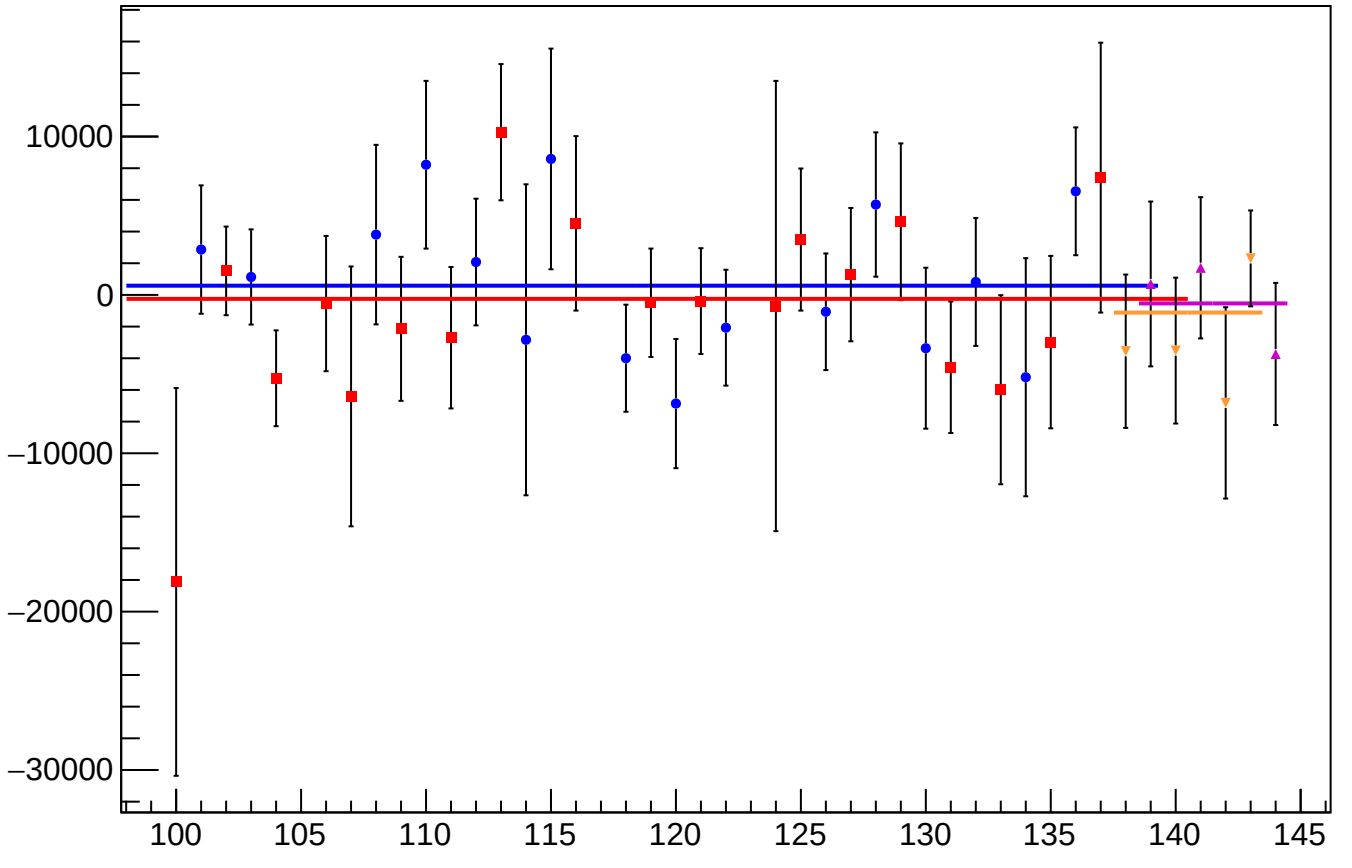
Left: 1819.554+/-0.555 χ^2/NDF: 256456.7/6

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1816.231+/-0.417 χ^2/NDF:729625.9/18

Out: 1730.293+/-0.388 χ^2/NDF:411051.2/22

All: 1770.199+/-0.284 χ^2/NDF: 1163421.9/41



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1115.817+/-2101.876 χ^2/NDF:2.7/3

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -537.327+/-2703.056 χ^2/NDF:0.8/2

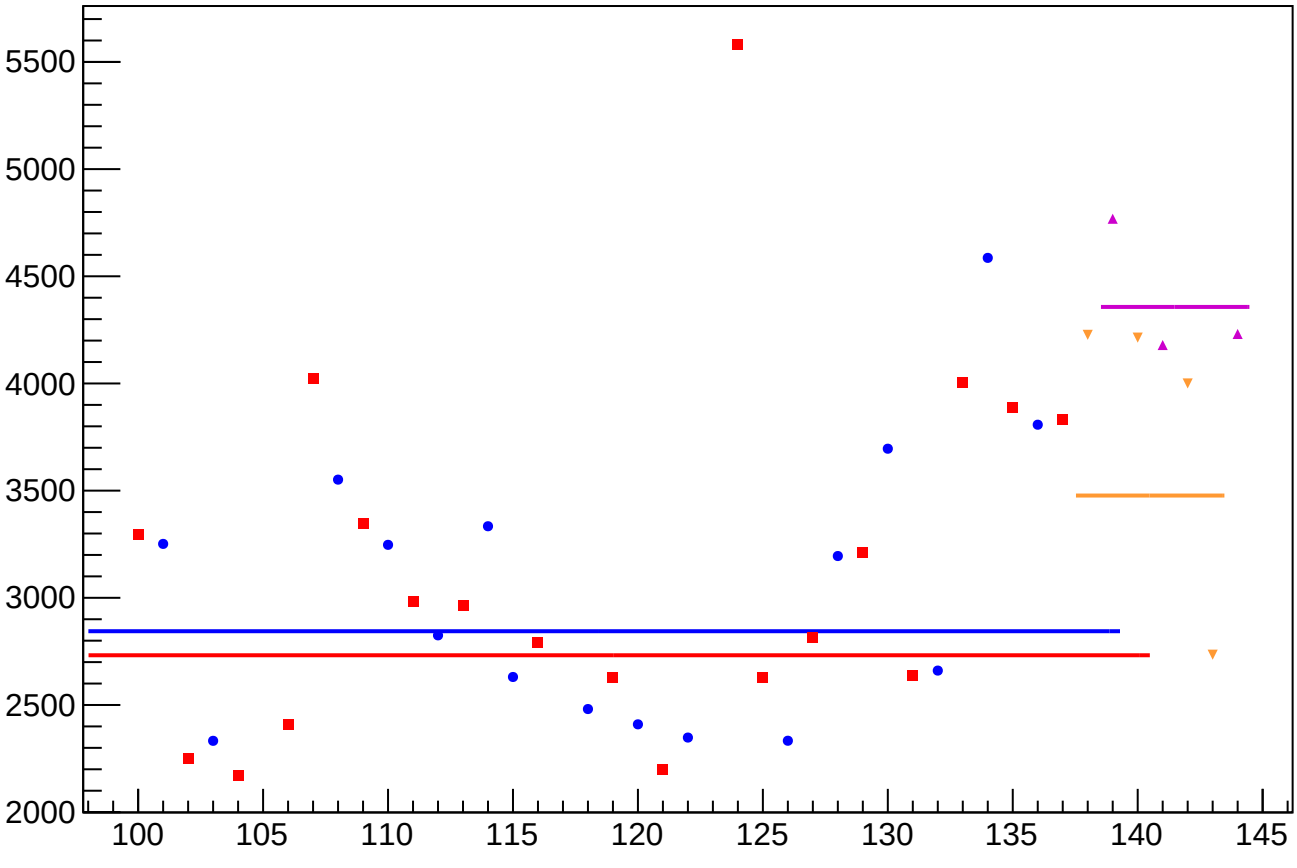
Left: -897.836+/-1659.269 χ^2/NDF: 3.5/6

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 427.739+/-1004.097 χ^2/NDF:15.8/18

Out: -415.480+/-918.392 χ^2/NDF:20.8/22

All: -31.387+/-677.678 χ^2/NDF: 37.0/41



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3477.123+/-1.486 χ^2/NDF:234475.6/3

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4357.056+/-1.911 χ^2/NDF:17255.9/2

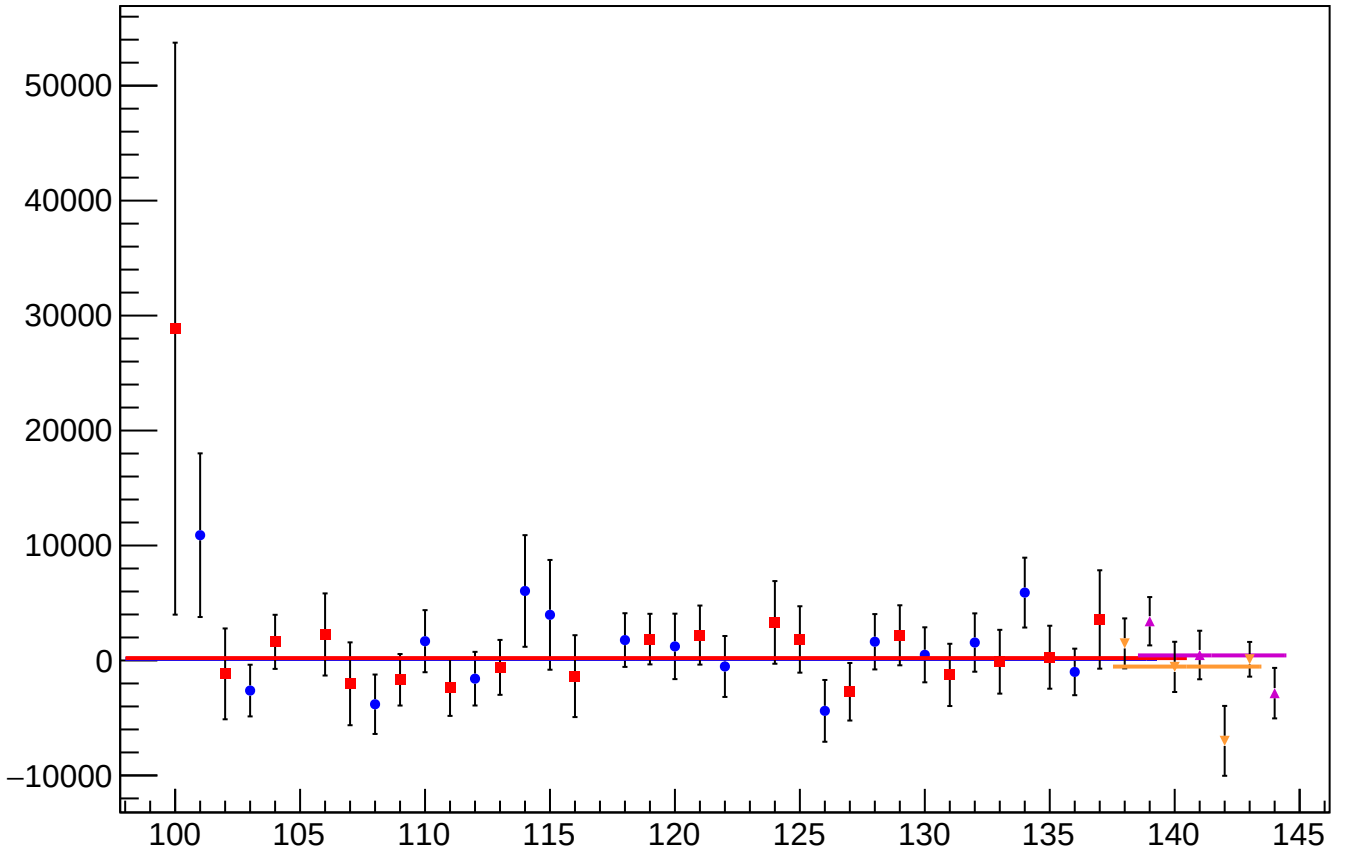
Left: 3808.692+/-1.173 χ^2/NDF: 383811.9/6

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3052.915+/-0.710 χ^2/NDF:1099365.4/18

Out: 2874.238+/-0.649 χ^2/NDF:1049123.2/22

All: 2955.627+/-0.479 χ^2/NDF: 2182972.0/41



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.489+/-1016.494 χ^2/NDF:5.6/3

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 440.440+/-1232.937 χ^2/NDF:4.2/2

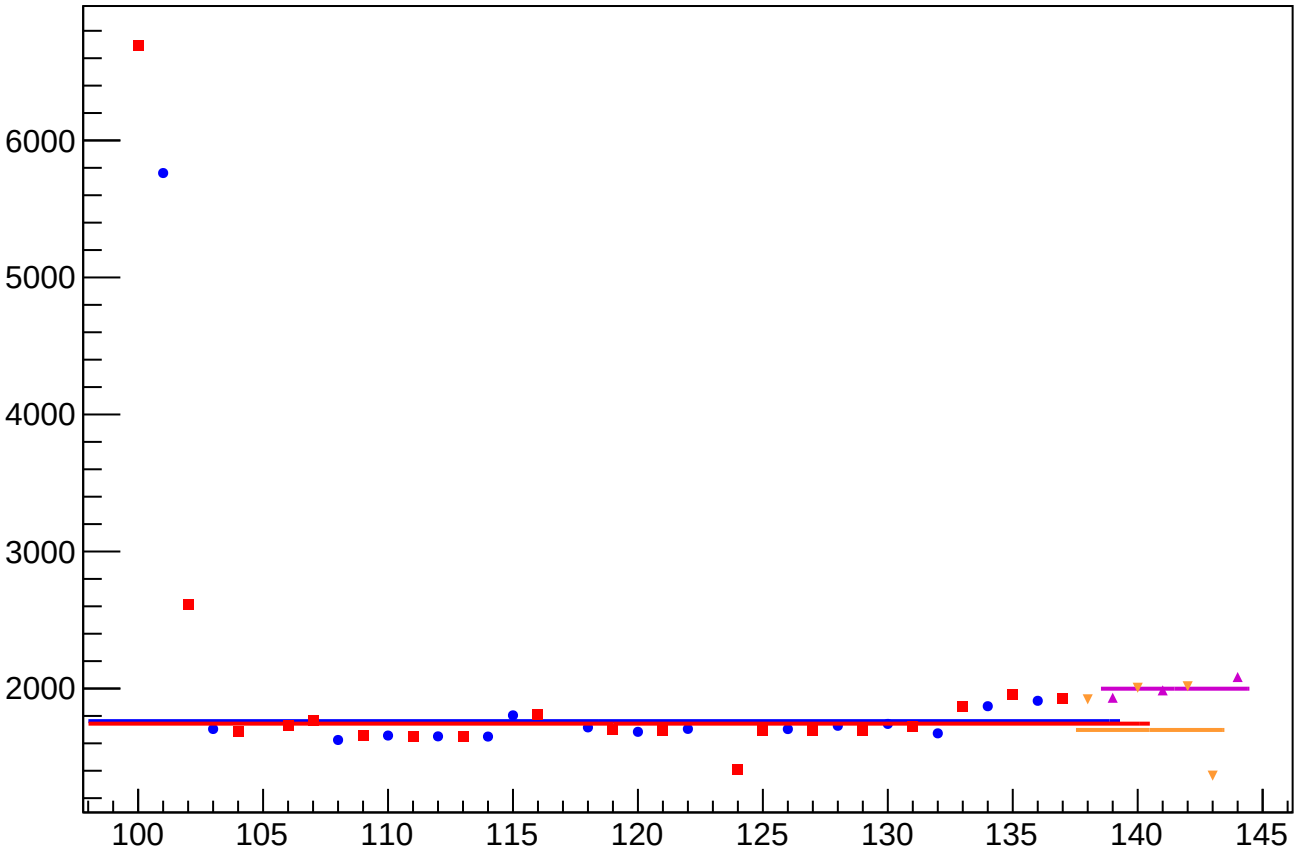
Left: -138.187+/-784.309 χ^2/NDF: 10.2/6

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 203.997+/-589.792 χ^2/NDF:21.6/18

Out: -10.523+/-550.262 χ^2/NDF:15.6/22

All: 89.308+/-402.344 χ^2/NDF: 37.3/41



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.707+/-0.719 χ^2/NDF:180387.1/3

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1998.818+/-0.872 χ^2/NDF:5052.7/2

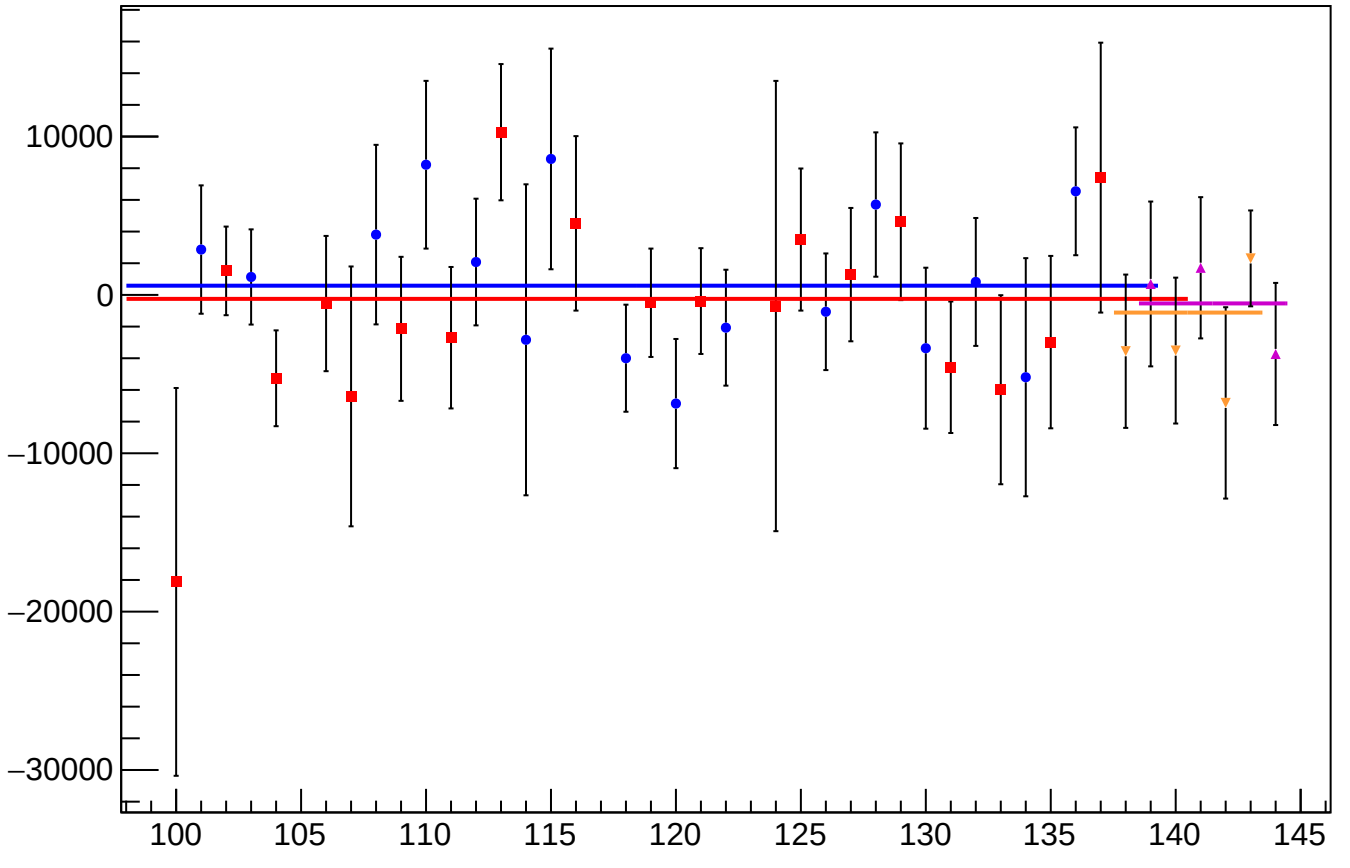
Left: 1819.555+/-0.555 χ^2/NDF: 256457.7/6

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1816.232+/-0.417 χ^2/NDF:729626.5/18

Out: 1730.294+/-0.388 χ^2/NDF:411051.7/22

All: 1770.199+/-0.284 χ^2/NDF: 1163423.1/41



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1115.819+/-2101.879 χ^2/NDF:2.7/3

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -537.330+/-2703.063 χ^2/NDF:0.8/2

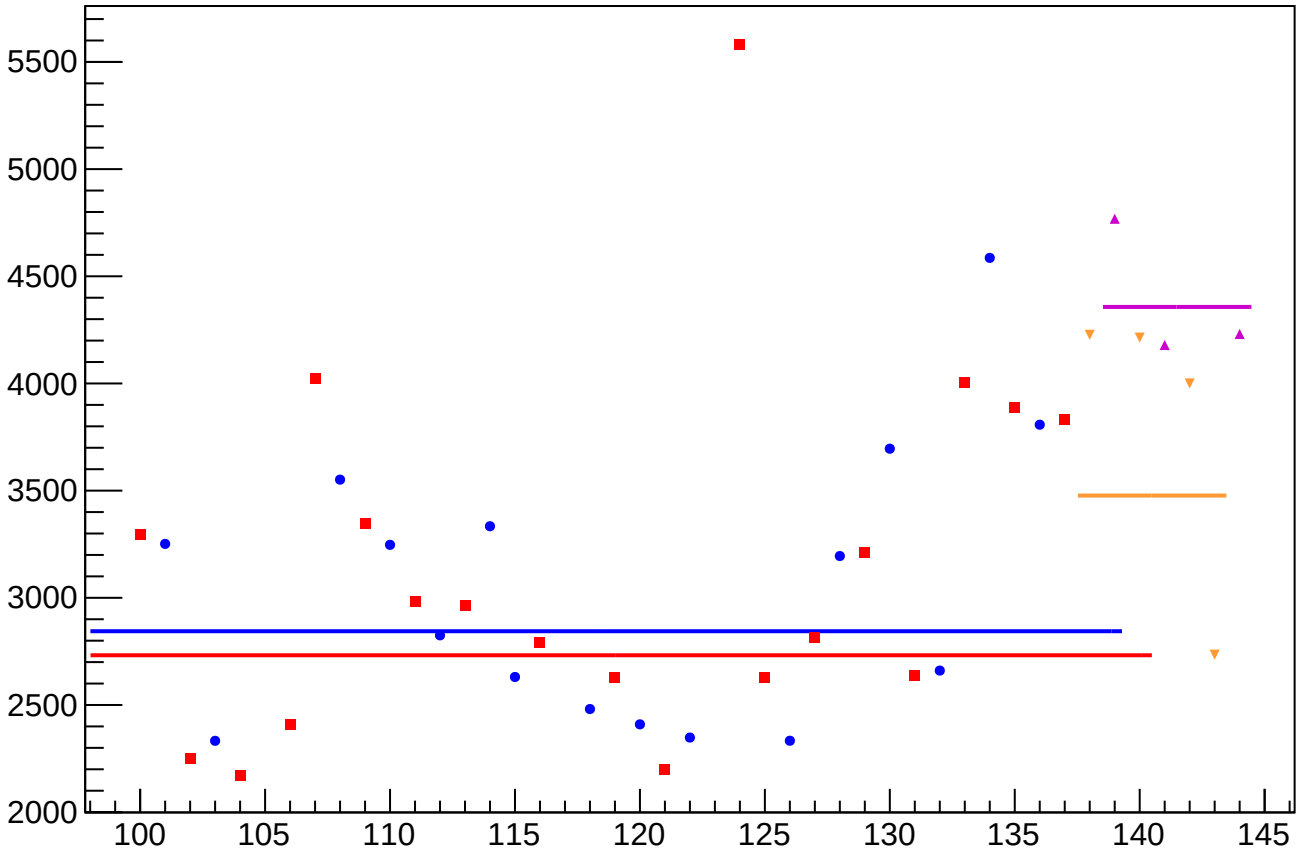
Left: -897.838+/-1659.272 χ^2/NDF: 3.5/6

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 427.736+/-1004.095 χ^2/NDF:15.8/18

Out: -415.480+/-918.390 χ^2/NDF:20.8/22

All: -31.388+/-677.677 χ^2/NDF: 37.0/41



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3477.128+/-1.486 χ^2/NDF:234478.9/3

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4357.066+/-1.911 χ^2/NDF:17256.5/2

Left: 3808.698+/-1.173 χ^2/NDF: 383817.1/6

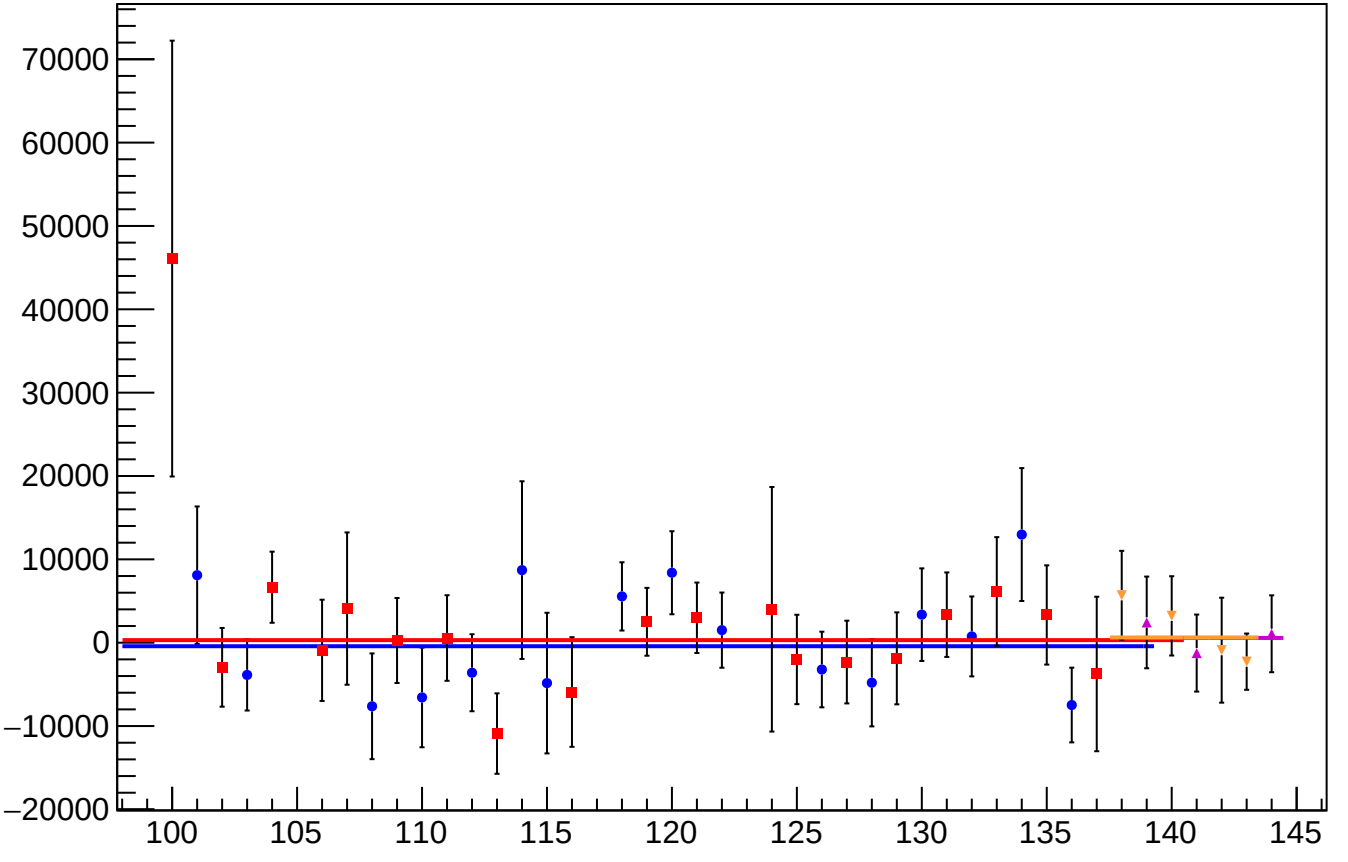
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3052.908+/-0.710 χ^2/NDF:1099380.8/18

Out: 2874.233+/-0.649 χ^2/NDF:1049128.9/22

All: 2955.621+/-0.479 χ^2/NDF: 2182992.2/41

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 624.156+/-2280.005 χ^2/NDF:2.0/3

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 570.585+/-2807.148 χ^2/NDF:0.3/2

Left: 602.863+/-1769.792 χ^2/NDF: 2.3/6

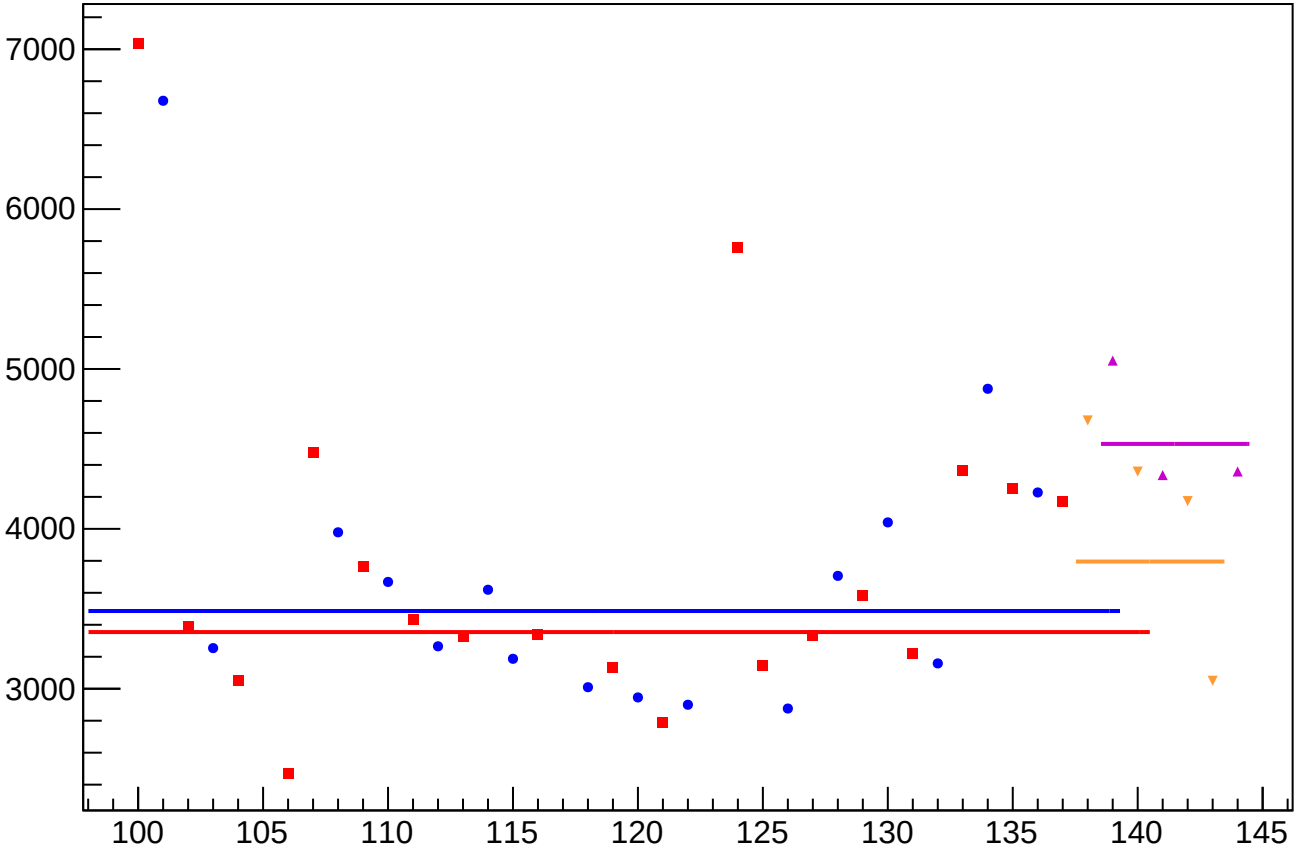
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -241.571+/-1199.897 χ^2/NDF:18.3/18

Out: 383.245+/-1113.297 χ^2/NDF:17.3/22

All: 94.195+/-816.120 χ^2/NDF: 35.7/41

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3795.540+/-1.612 χ^2/NDF:187596.9/3

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4531.272+/-1.985 χ^2/NDF:24300.6/2

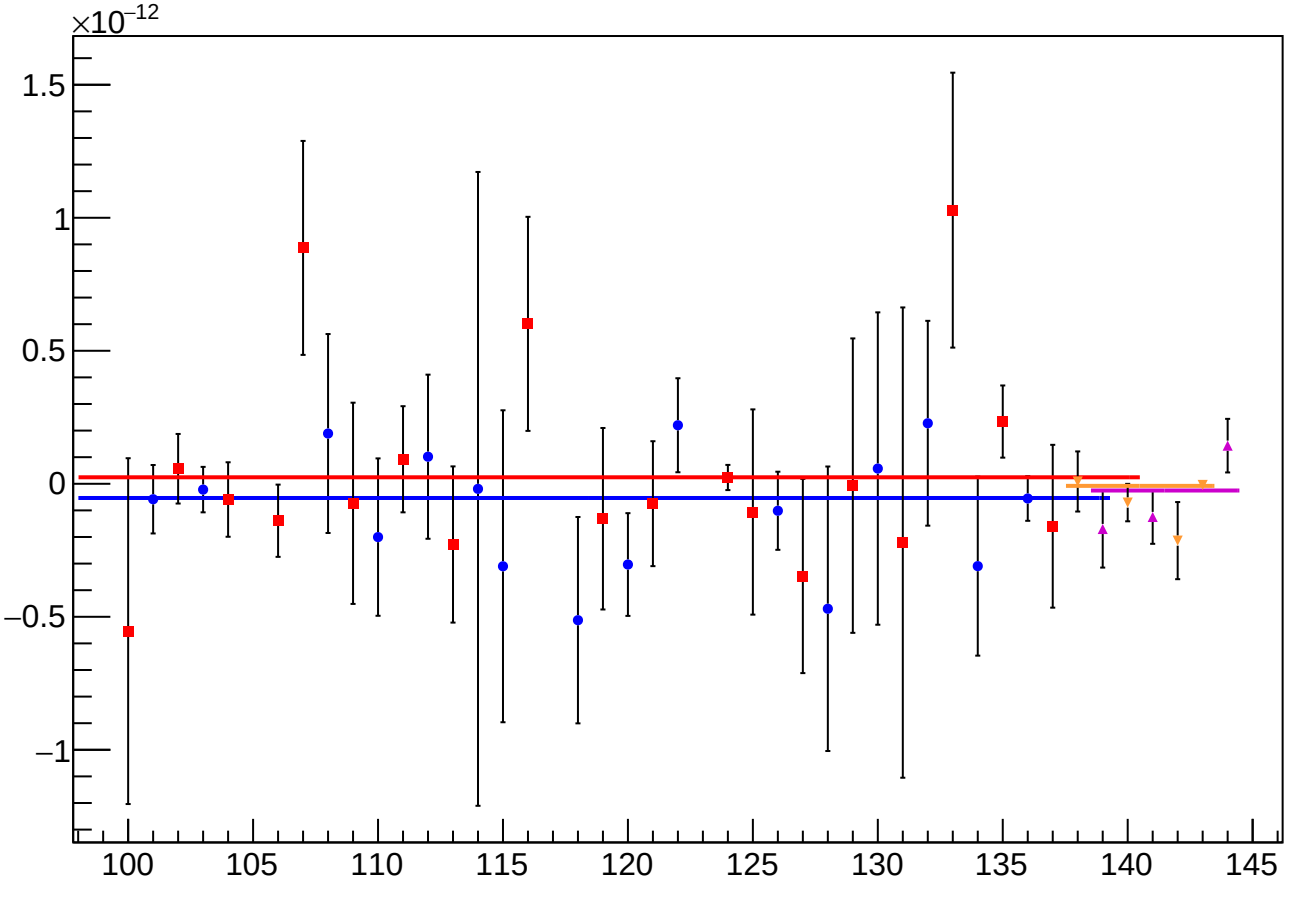
Left: 4087.978+/-1.251 χ^2/NDF: 294674.7/6

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3677.115+/-0.848 χ^2/NDF:846658.4/18

Out: 3457.366+/-0.779 χ^2/NDF:621415.0/22

All: 3557.855+/-0.574 χ^2/NDF: 1504479.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/2

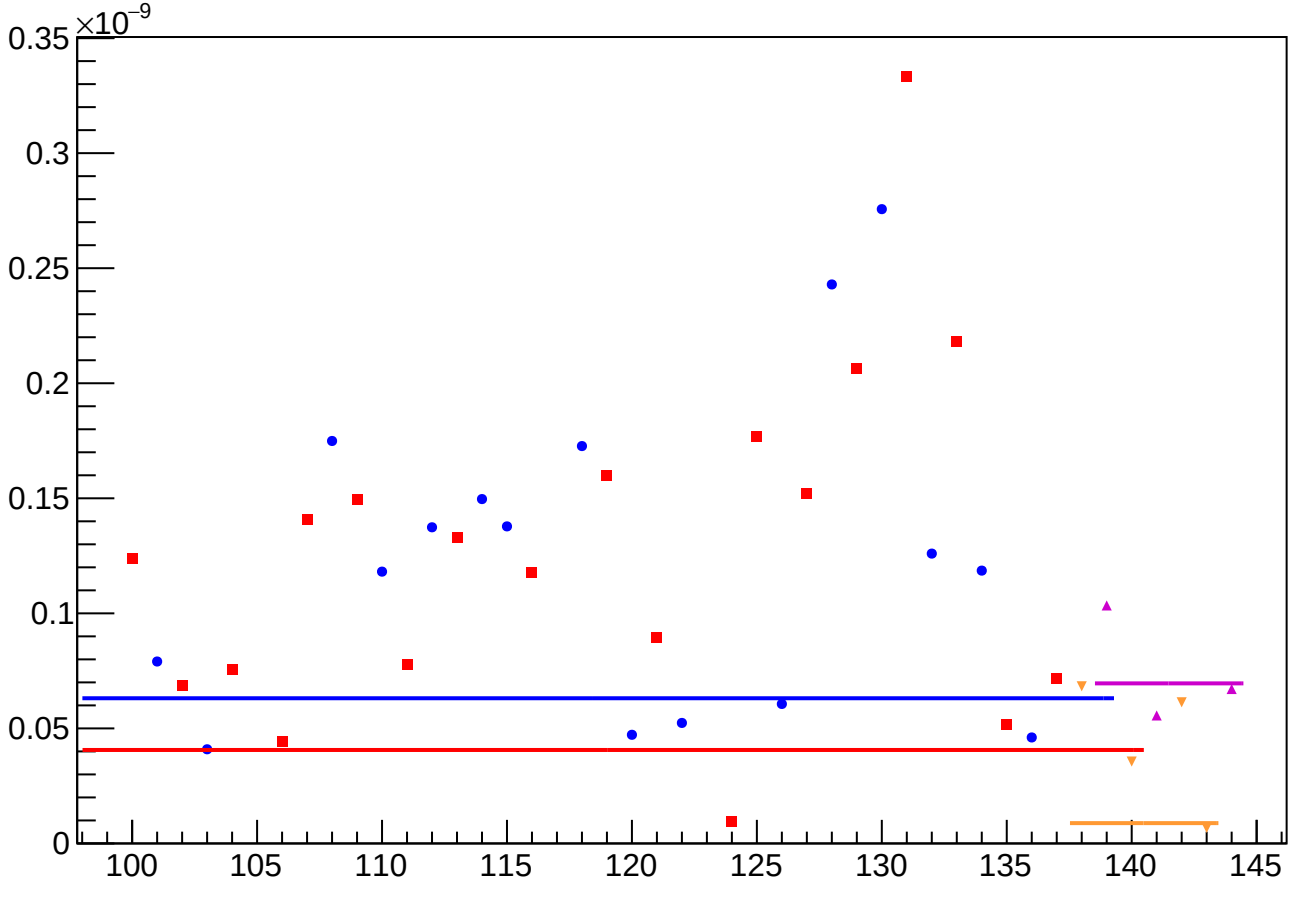
Left: -0.000+/-0.000 χ^2/NDF: 7.7/6

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:13.5/18

Out: -0.000+/-0.000 χ^2/NDF:22.0/22

All: -0.000+/-0.000 χ^2/NDF: 36.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157714.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:148222.5/2

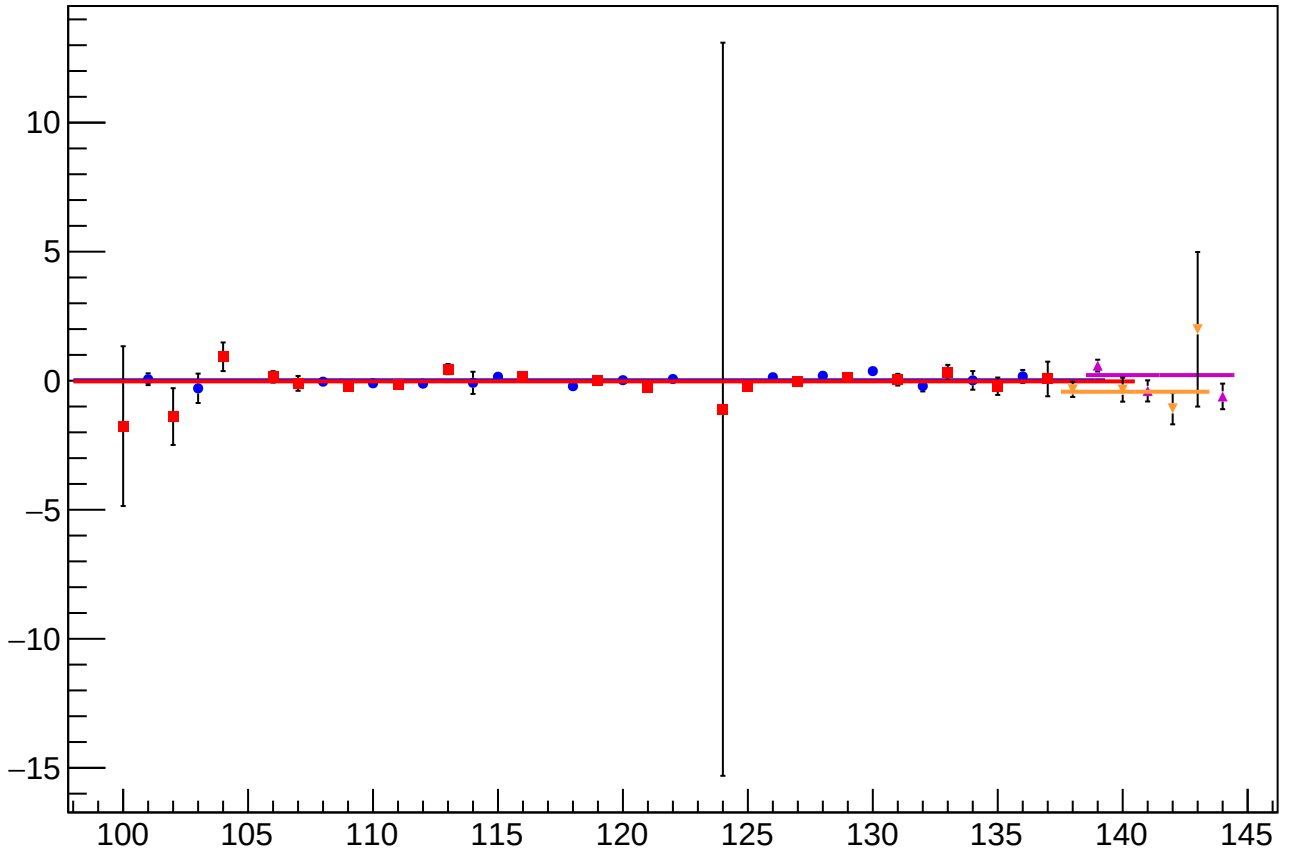
Left: 0.000+/-0.000 χ^2/NDF: 3039548.0/6

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1594001.5/18

Out: 0.000+/-0.000 χ^2/NDF:5738690.1/22

All: 0.000+/-0.000 χ^2/NDF: 11124830.5/41



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.218+/-0.185 χ^2/NDF:7.6/2

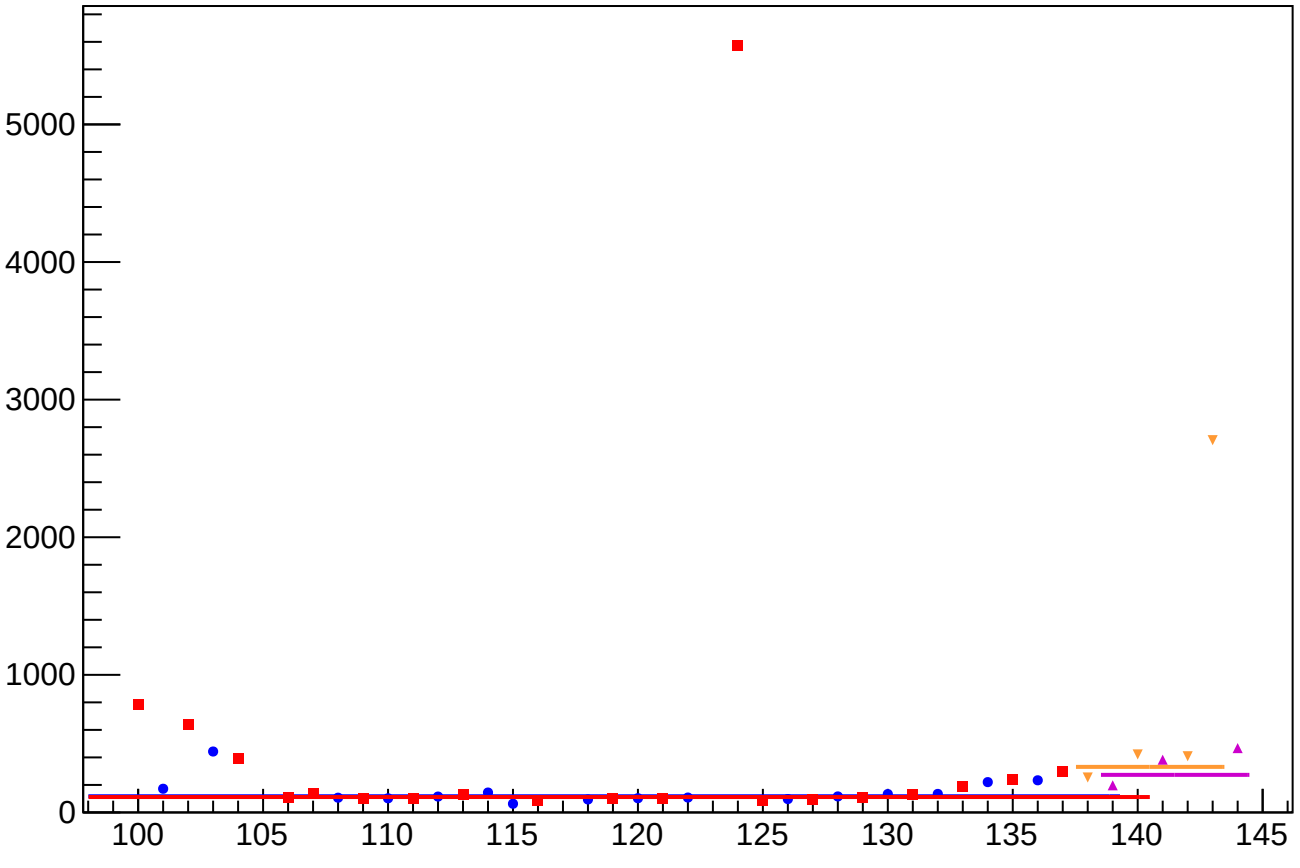
Left: -0.035+/-0.144 χ^2/NDF: 14.2/6

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.046 χ^2/NDF:20.5/18

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.007+/-0.033 χ^2/NDF: 48.5/41



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 331.202+/-0.163 χ^2/NDF:1500909.0/3

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 273.204+/-0.131 χ^2/NDF:672866.3/2

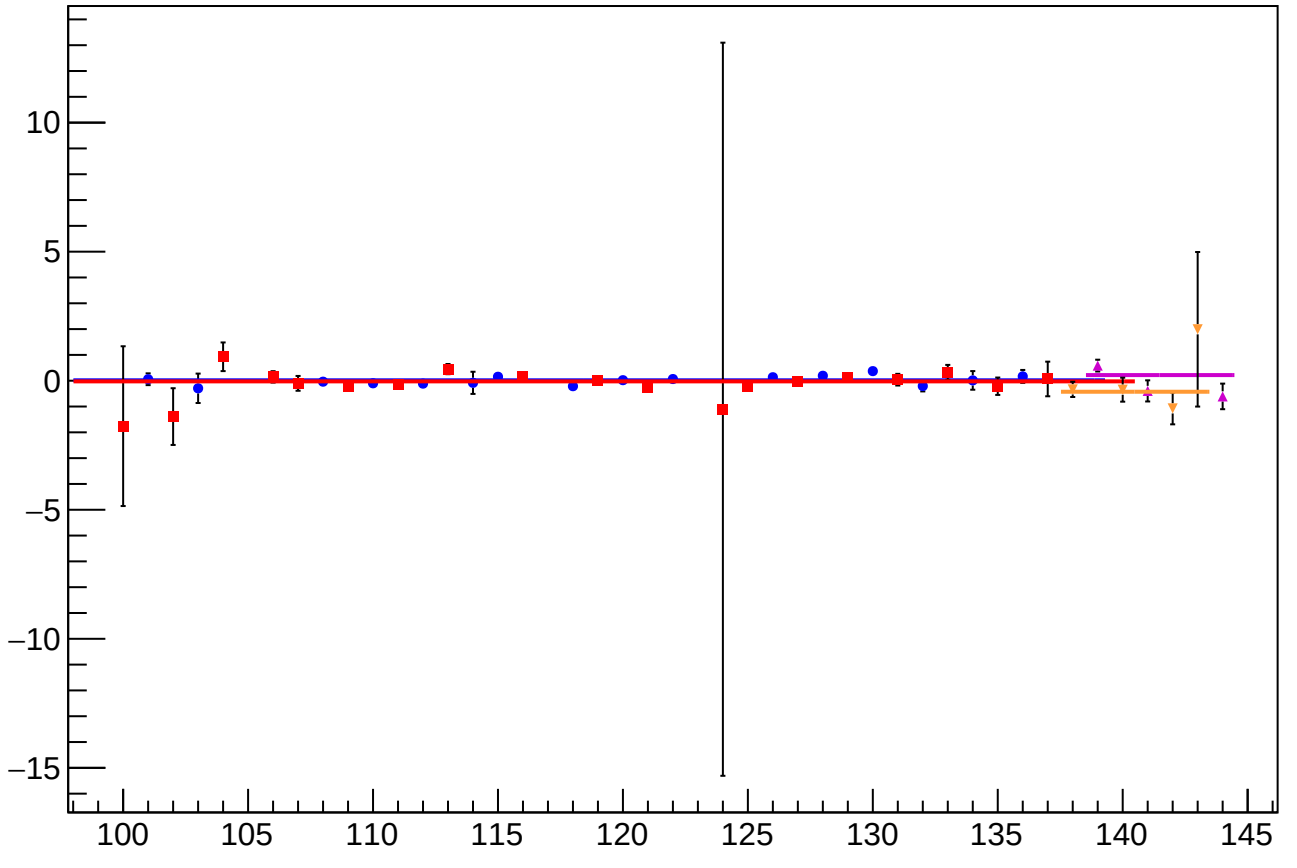
Left: 295.988+/-0.102 χ^2/NDF: 2250776.3/6

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 127.394+/-0.033 χ^2/NDF:3716926.3/18

Out: 120.826+/-0.032 χ^2/NDF:5424948.4/22

All: 124.077+/-0.023 χ^2/NDF: 9162138.6/41



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.218+/-0.185 χ^2/NDF:7.6/2

Left: -0.035+/-0.144 χ^2/NDF: 14.2/6

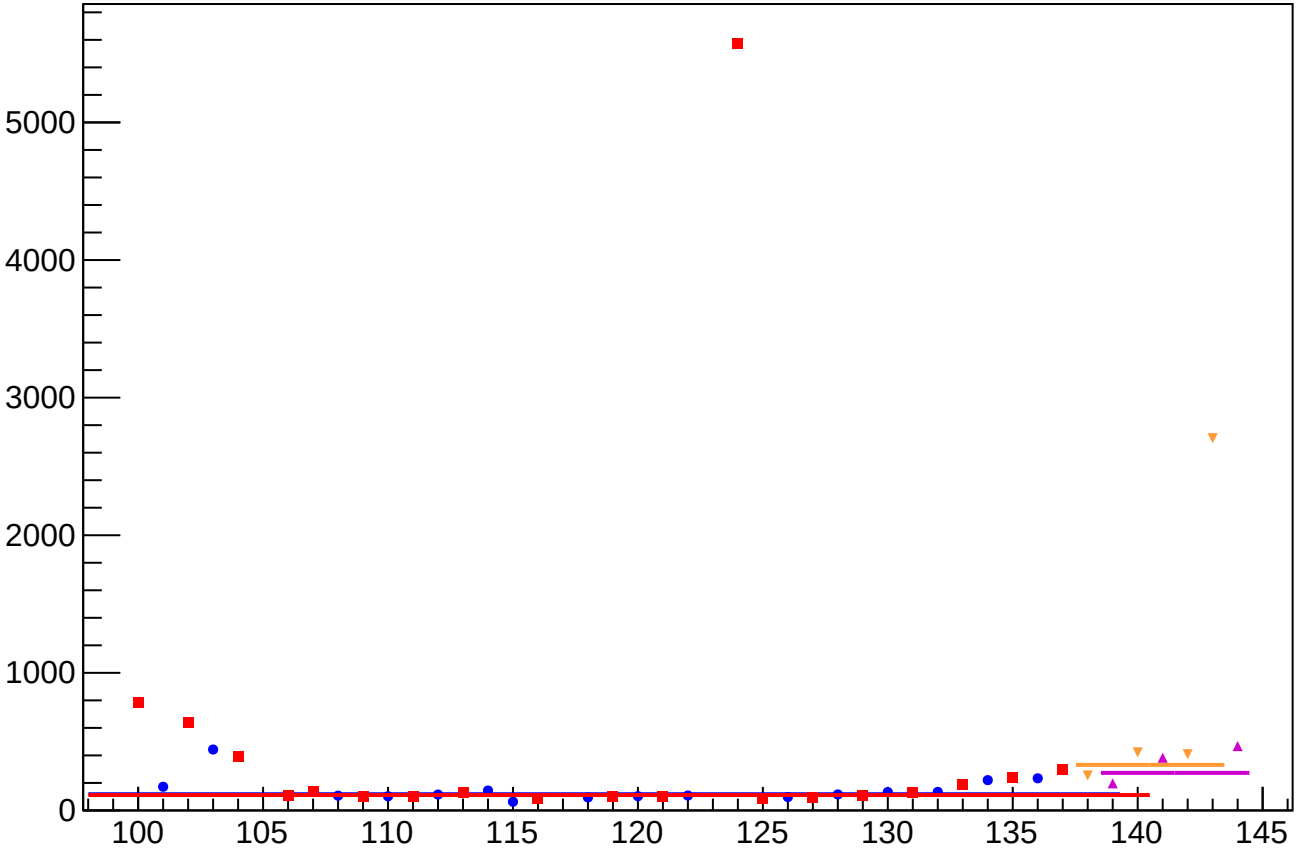
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.046 χ^2/NDF:20.5/18

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.007+/-0.033 χ^2/NDF: 48.5/41

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 331.202+/-0.163 χ^2/NDF:1500909.0/3

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 273.204+/-0.131 χ^2/NDF:672866.3/2

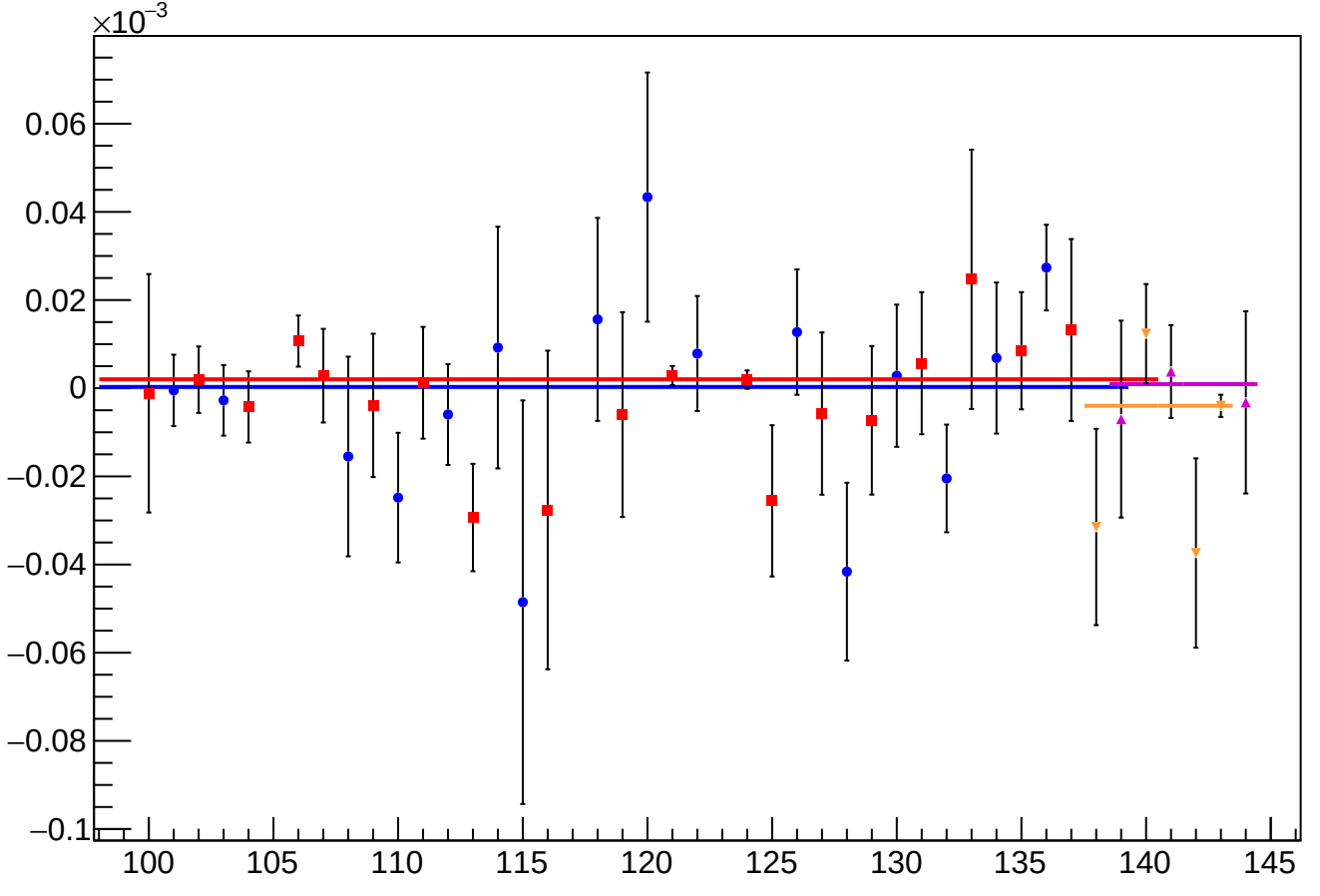
Left: 295.988+/-0.102 χ^2/NDF: 2250776.3/6

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 127.394+/-0.033 χ^2/NDF:3716926.3/18

Out: 120.826+/-0.032 χ^2/NDF:5424948.4/22

All: 124.077+/-0.023 χ^2/NDF: 9162138.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

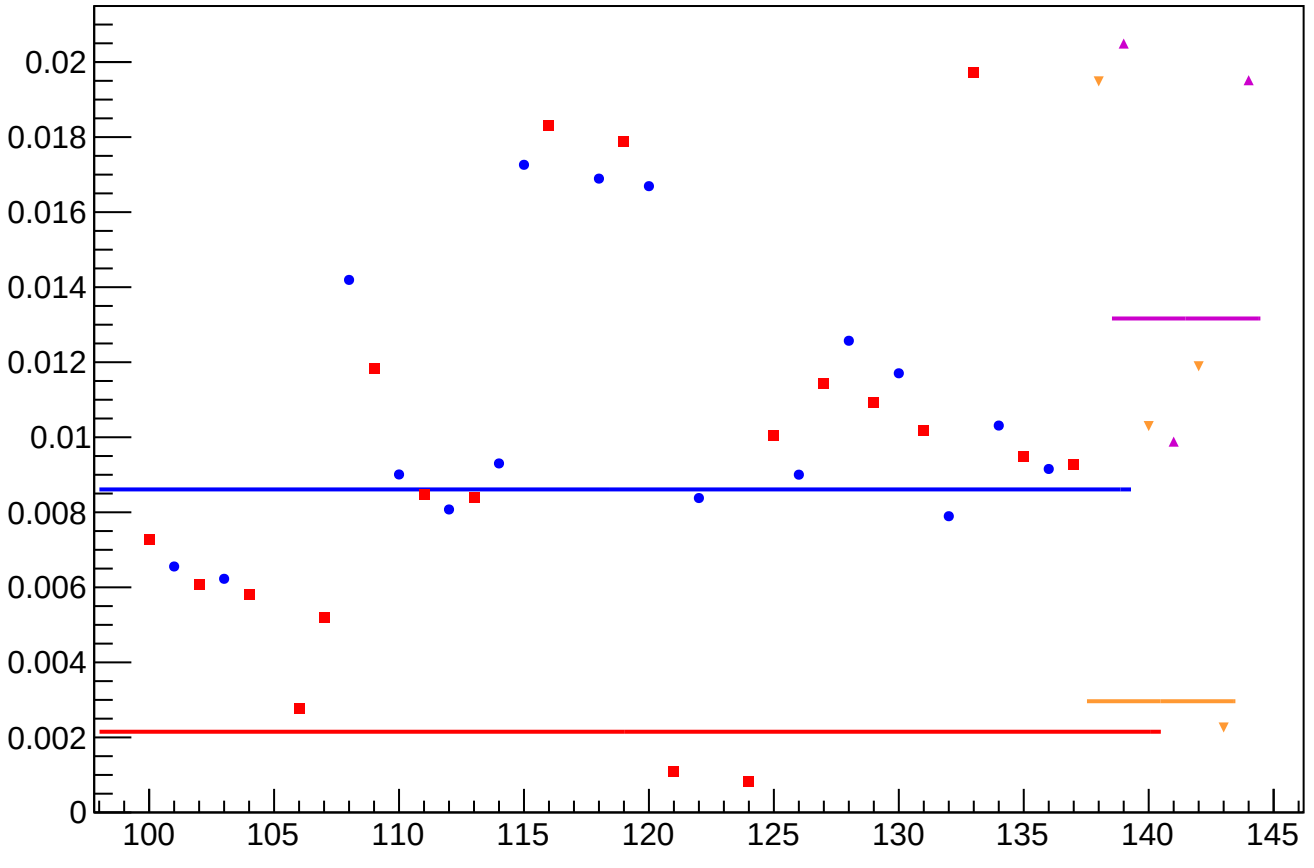
Left: -0.000+/-0.000 χ^2/NDF: 6.6/6

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:24.3/18

Out: 0.000+/-0.000 χ^2/NDF:25.6/22

All: 0.000+/-0.000 χ^2/NDF: 49.9/41



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:2449692.7/3

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.013+/-0.000 χ^2/NDF:598222.7/2

Left: 0.004+/-0.000 χ^2/NDF: 5624634.0/6

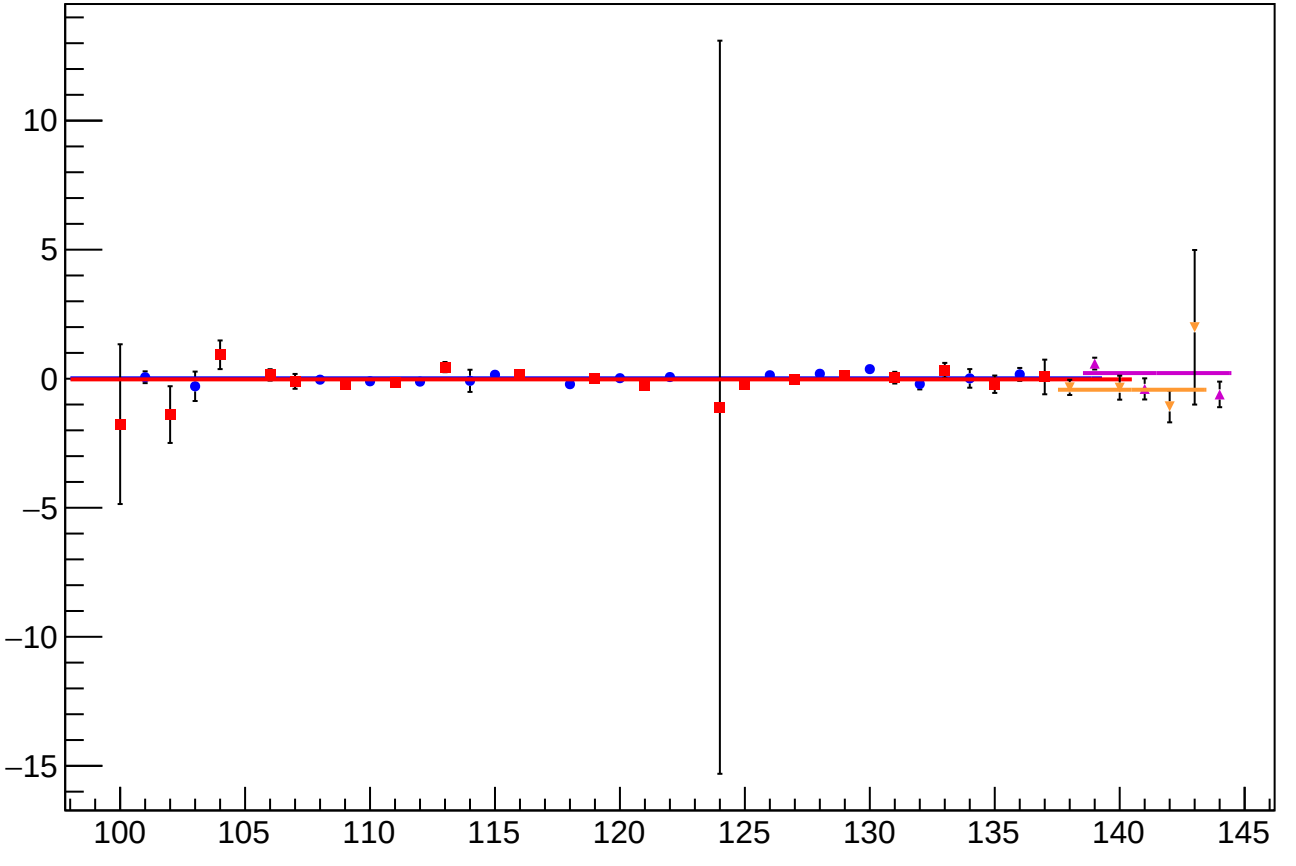
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.009+/-0.000 χ^2/NDF:2193671.0/18

Out: 0.002+/-0.000 χ^2/NDF:11708975.2/22

All: 0.003+/-0.000 χ^2/NDF: 22289809.8/41

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: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.218+/-0.185 χ^2/NDF:7.6/2

Left: -0.035+/-0.144 χ^2/NDF: 14.2/6

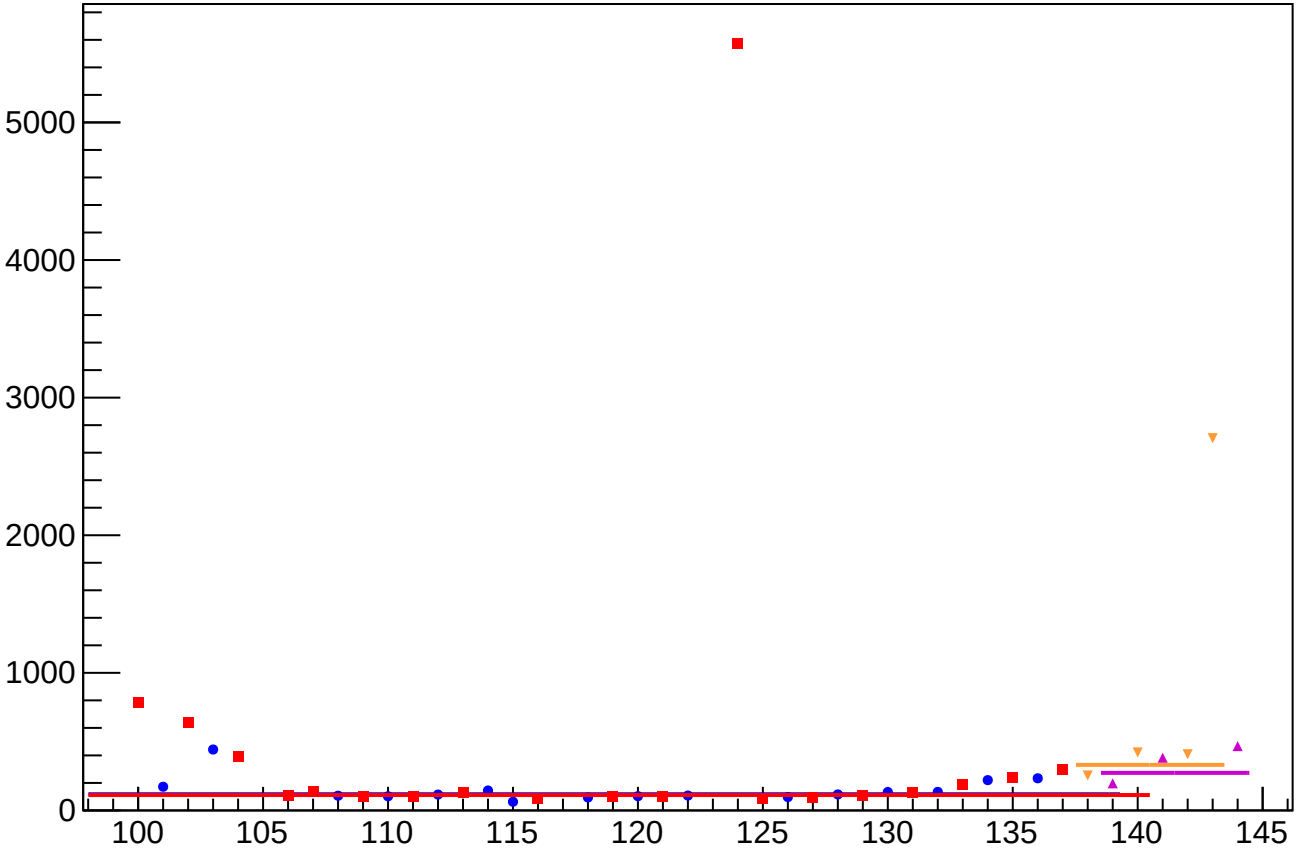
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.046 χ^2/NDF:20.5/18

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.007+/-0.033 χ^2/NDF: 48.5/41

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 331.206+/-0.163 χ^2/NDF:1500912.1/3

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 273.293+/-0.131 χ^2/NDF:672856.4/2

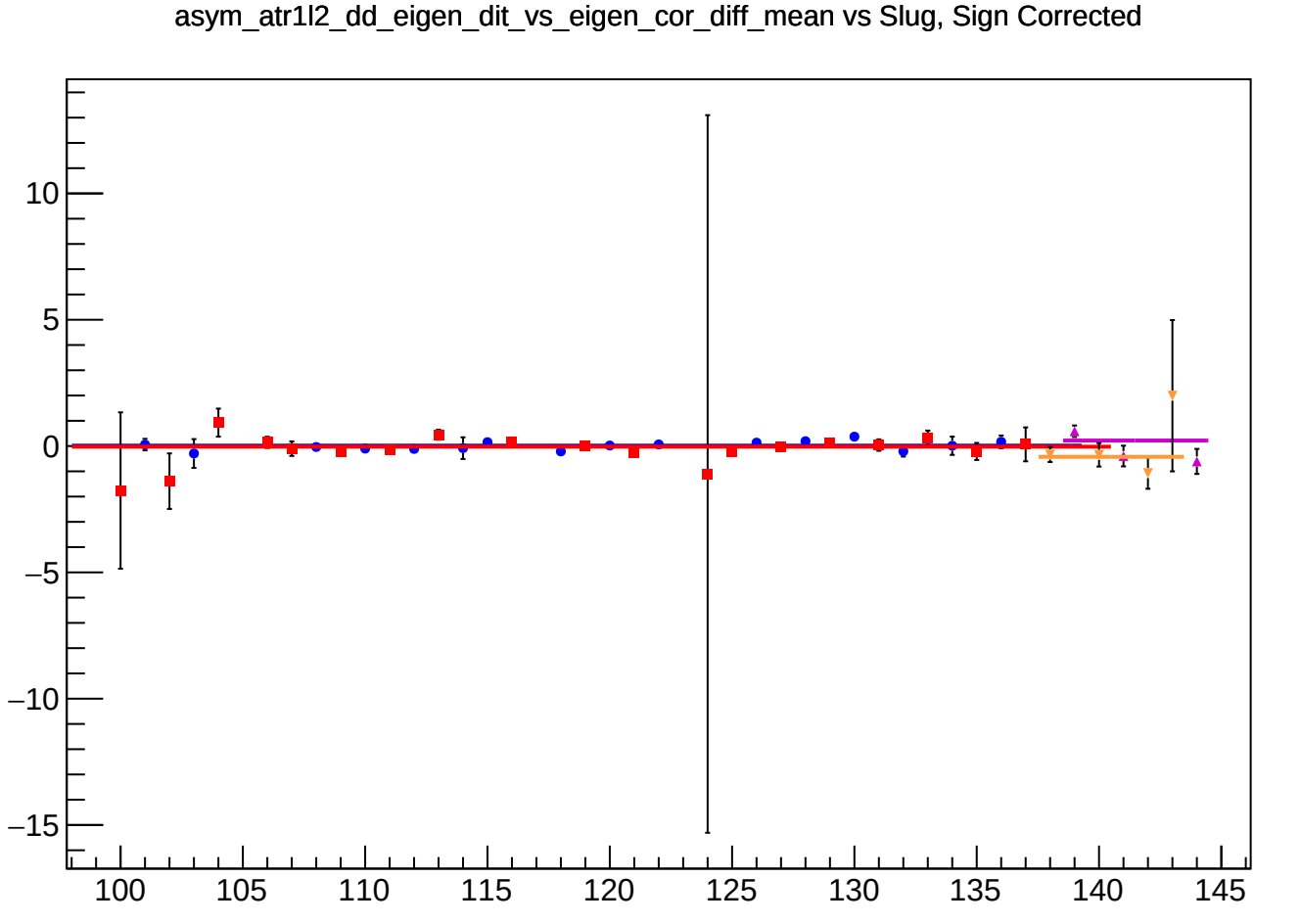
Left: 295.993+/-0.102 χ^2/NDF: 2250764.3/6

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 127.394+/-0.033 χ^2/NDF:3716926.2/18

Out: 120.828+/-0.032 χ^2/NDF:5424880.8/22

All: 124.078+/-0.023 χ^2/NDF: 9162060.2/41



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.218+/-0.185 χ^2/NDF:7.6/2

Left: -0.035+/-0.144 χ^2/NDF: 14.2/6

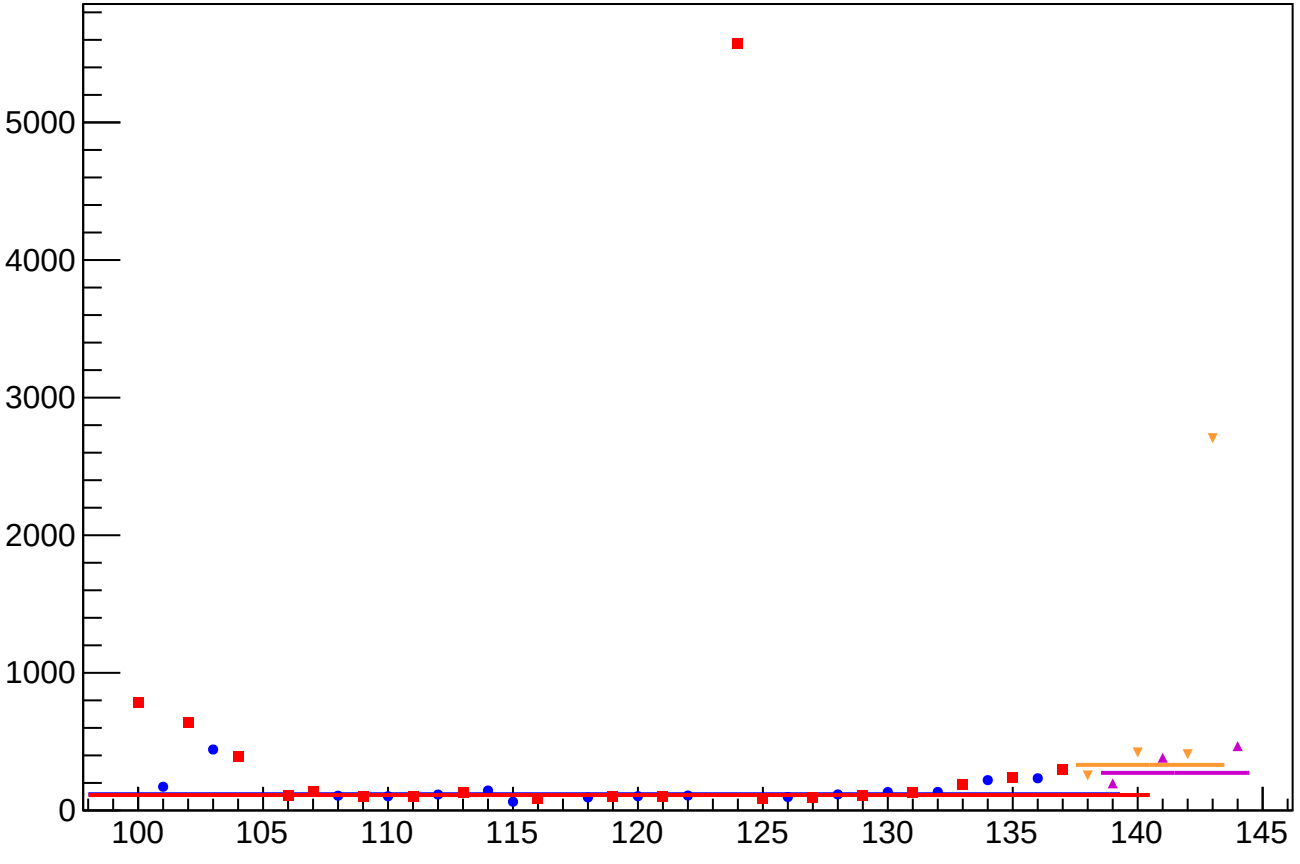
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.046 χ^2/NDF:20.5/18

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.007+/-0.033 χ^2/NDF: 48.5/41

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: 331.206+/-0.163 χ^2/NDF:1500912.1/3

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 273.993+/-0.131 χ^2/NDF:672856.4/2

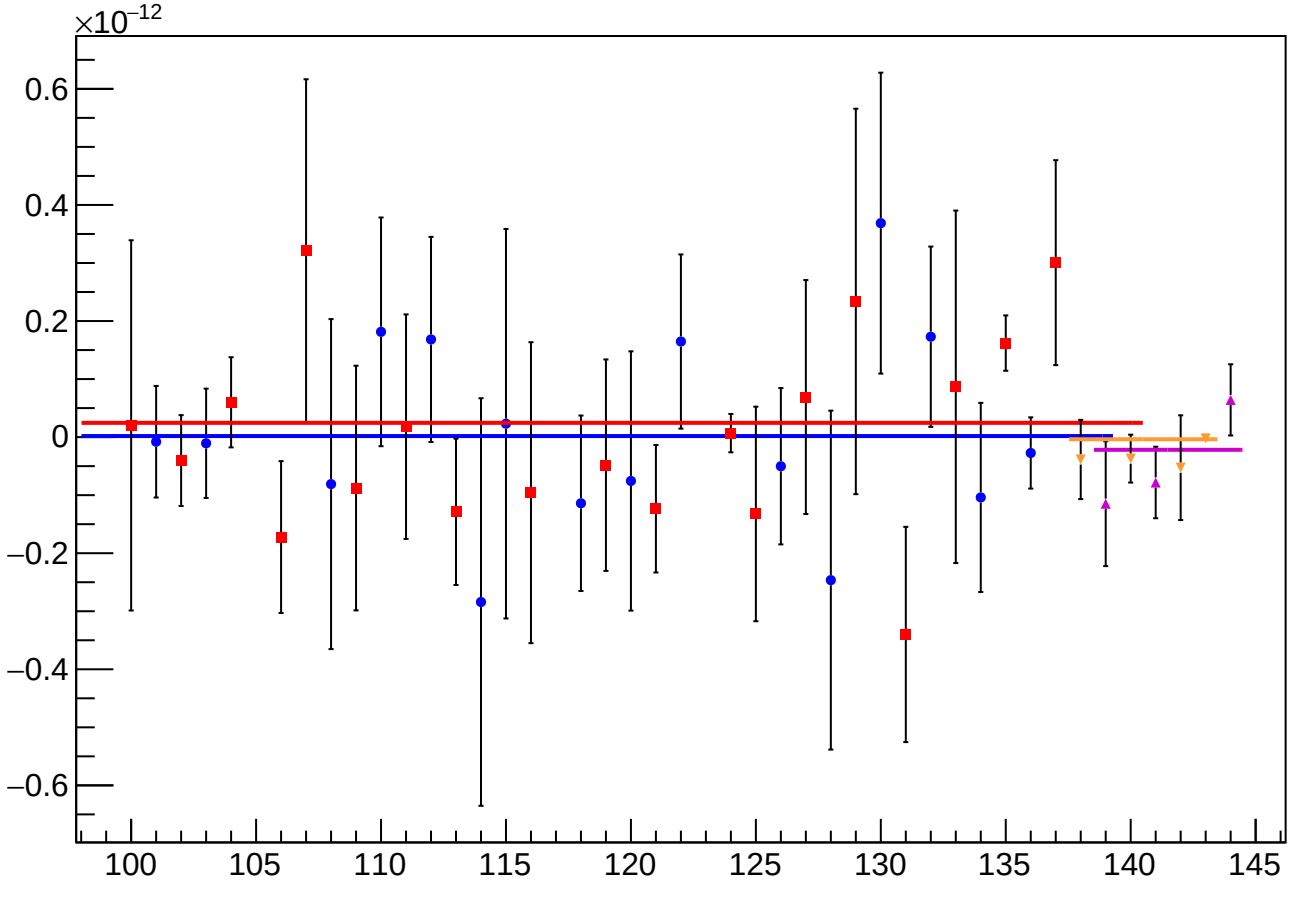
Left: 295.993+/-0.102 χ^2/NDF: 2250764.3/6

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 127.394+/-0.033 χ^2/NDF:3716926.2/18

Out: 120.828+/-0.032 χ^2/NDF:5424880.8/22

All: 124.078+/-0.023 χ^2/NDF: 9162060.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/2

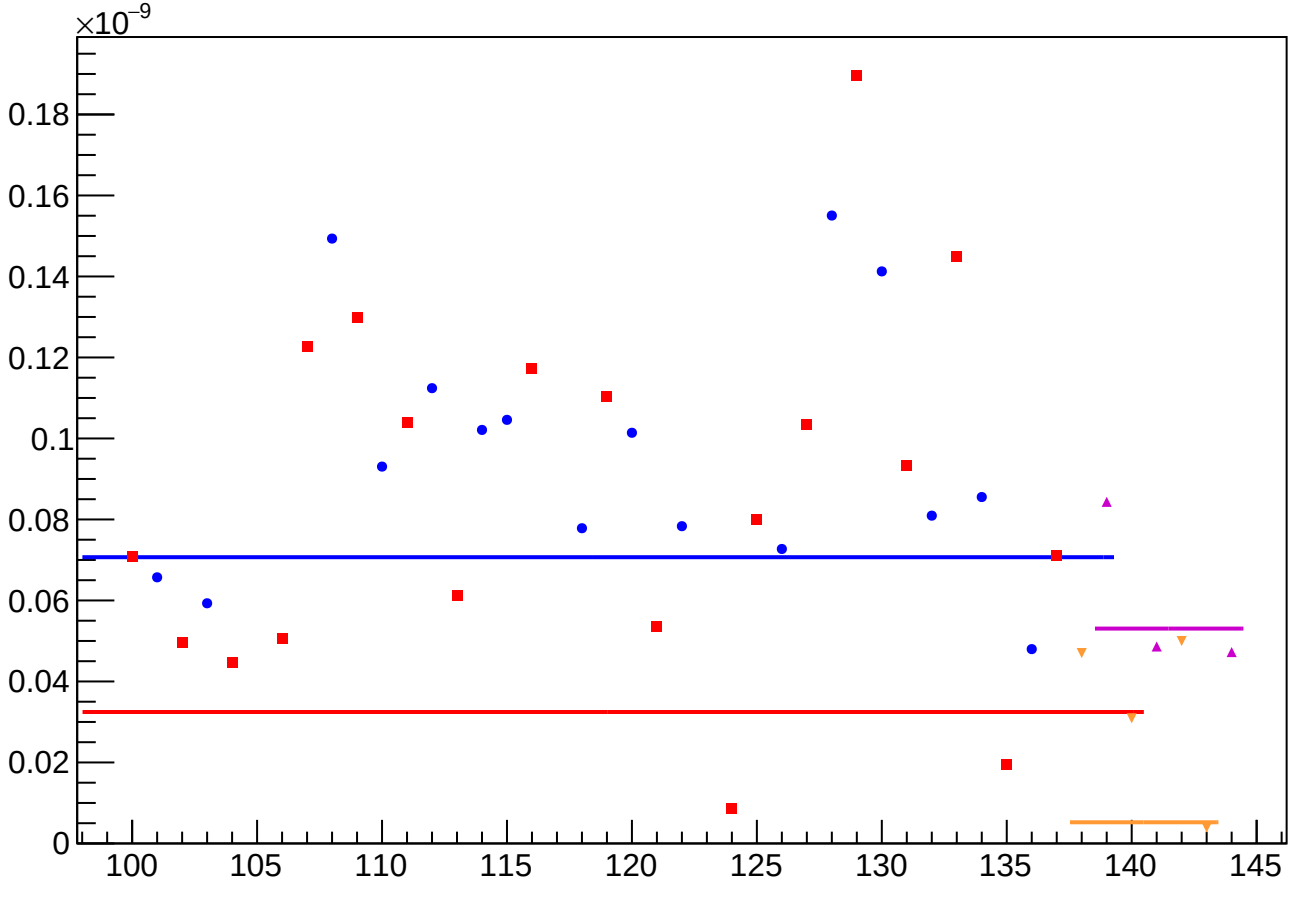
Left: -0.000+/-0.000 χ^2/NDF: 5.0/6

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:12.9/18

Out: -0.000+/-0.000 χ^2/NDF:27.1/22

All: -0.000+/-0.000 χ^2/NDF: 40.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2092940.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:197601.2/2

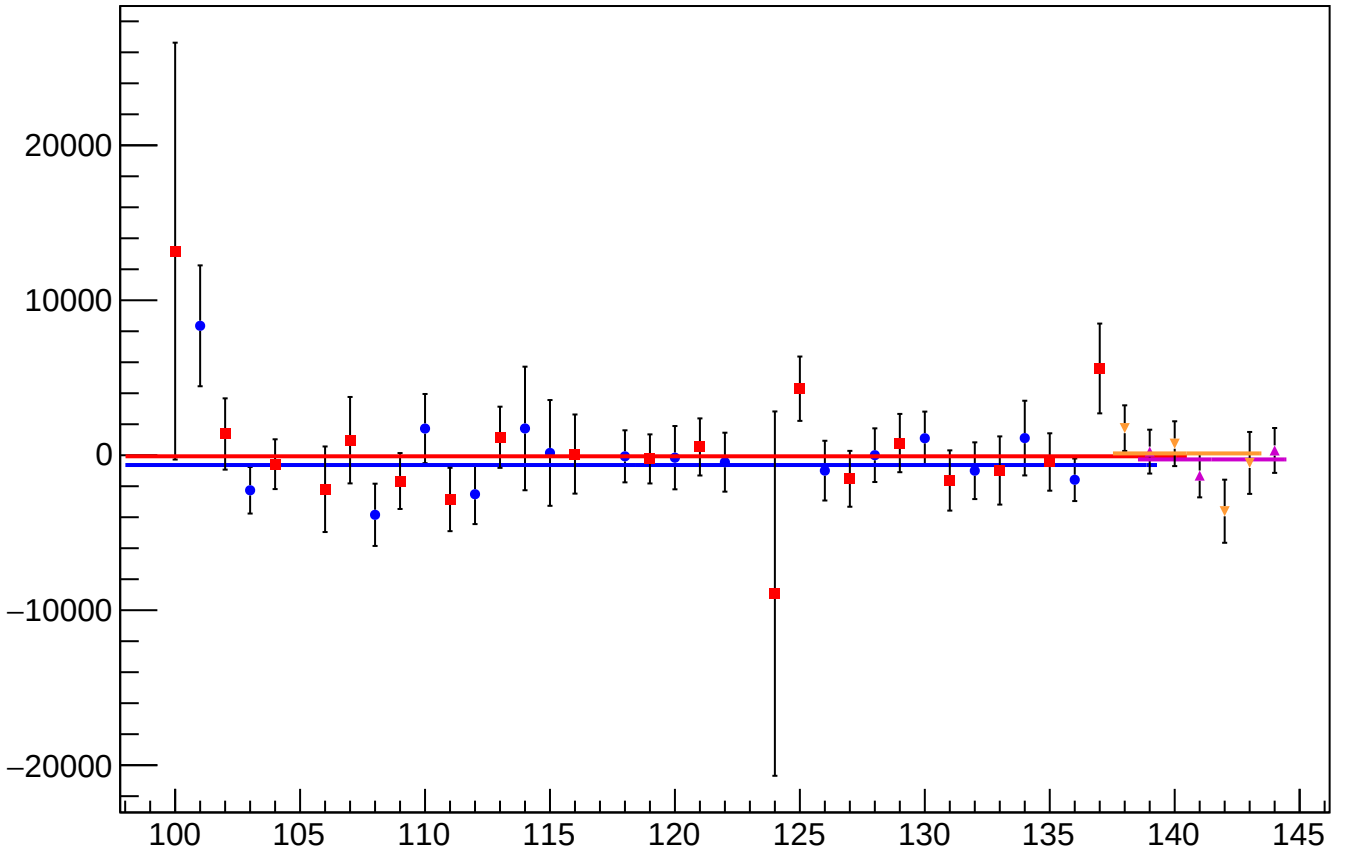
Left: 0.000+/-0.000 χ^2/NDF: 5037684.9/6

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1442443.0/18

Out: 0.000+/-0.000 χ^2/NDF:9451587.5/22

All: 0.000+/-0.000 χ^2/NDF: 19482491.4/41



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -269.681+/-821.347 χ^2/NDF:0.8/2

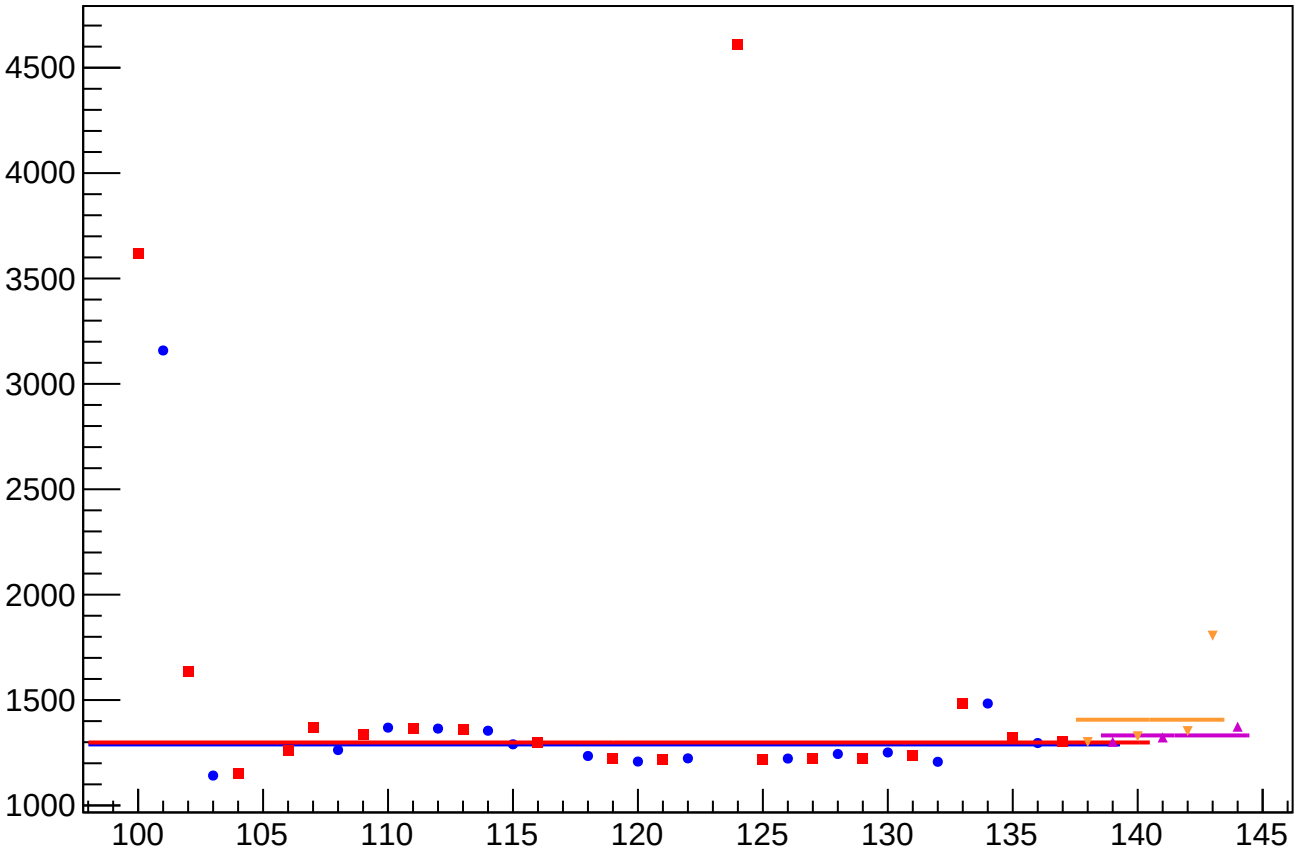
Left: -79.417+/-585.845 χ^2/NDF: 5.8/6

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -536.571+/-419.957 χ^2/NDF:14.9/18

Out: -20.579+/-421.279 χ^2/NDF:20.8/22

All: -279.386+/-297.421 χ^2/NDF: 36.4/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

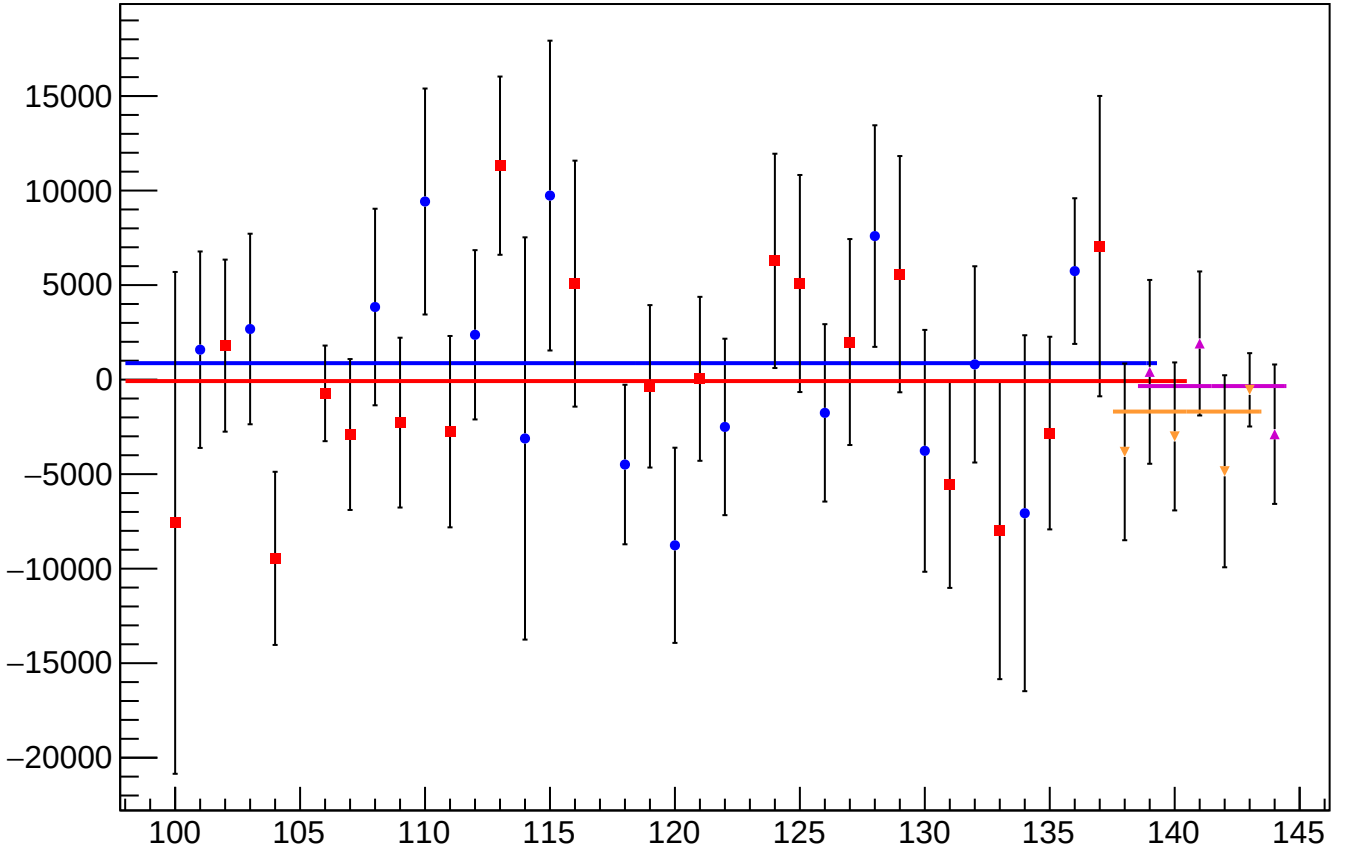
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1300.620+/-0.297 χ^2/NDF:521313.3/18

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1313.292+/-0.210 χ^2/NDF: 966665.7/41

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -341.754+/-2326.506 χ^2/NDF:0.9/2

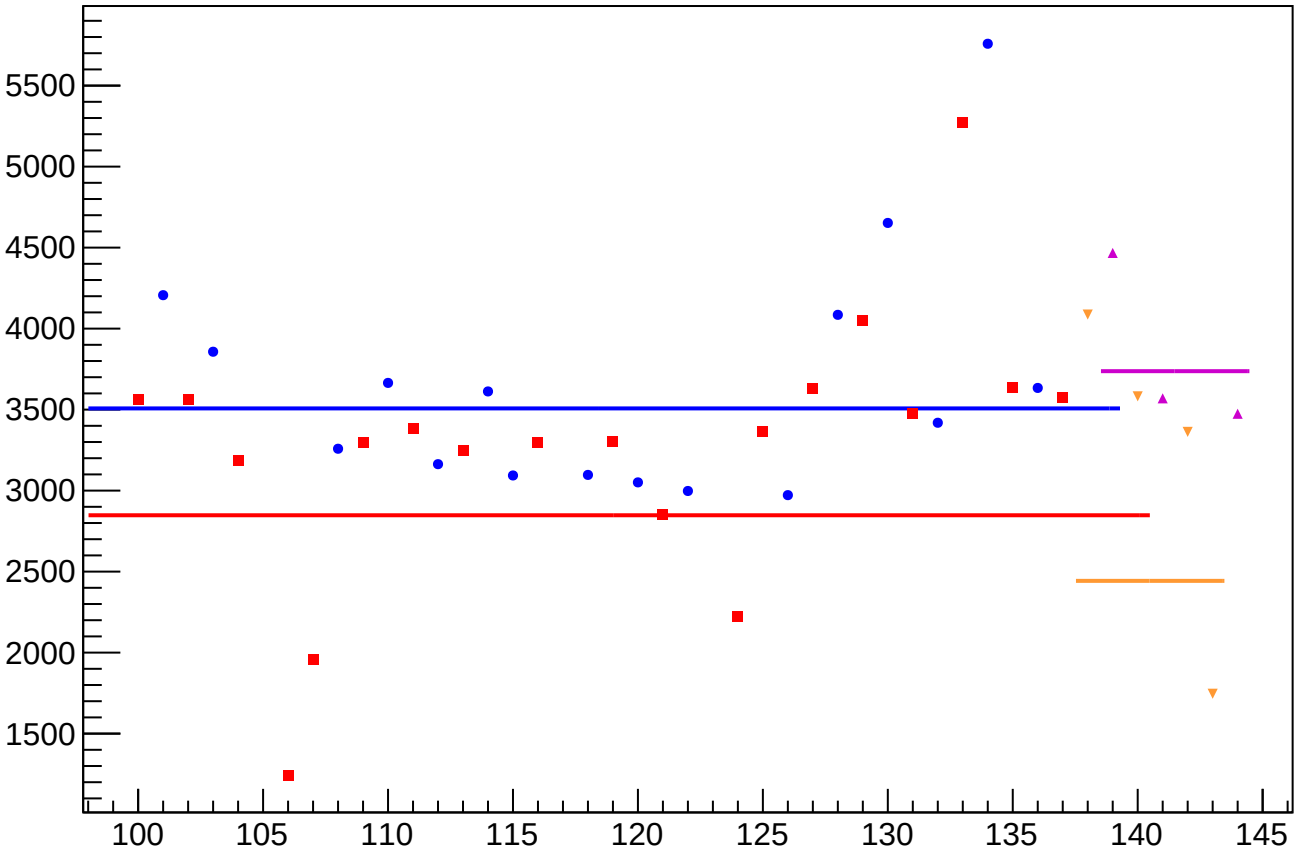
Left: -1275.416+/-1290.599 χ^2/NDF: 2.1/6

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 573.350+/-1151.548 χ^2/NDF:15.1/18

Out: -624.325+/-903.261 χ^2/NDF:20.2/22

All: -168.122+/-710.708 χ^2/NDF: 35.9/41



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3737.276+/-1.645 χ^2/NDF:59109.6/2

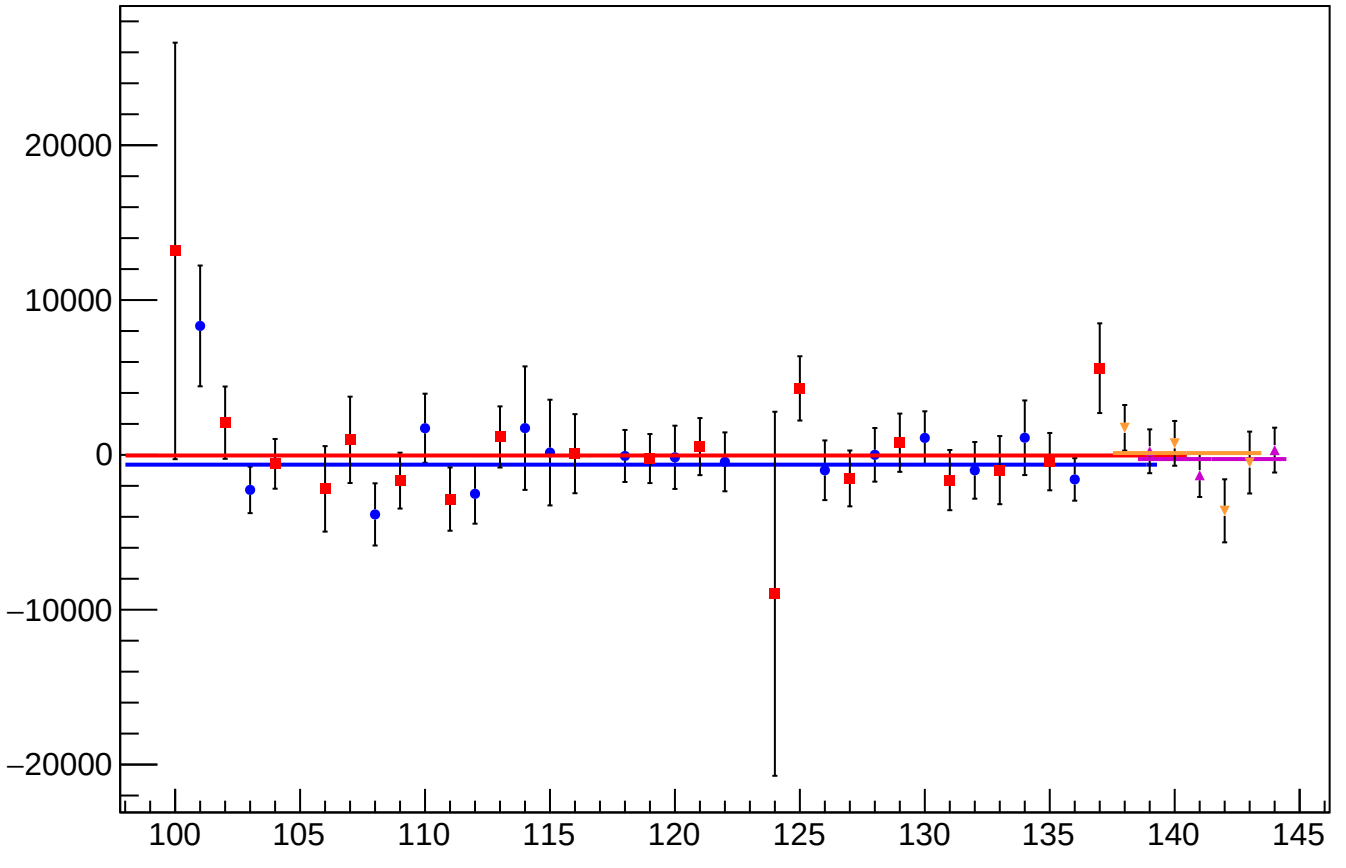
Left: 2841.214+/-0.913 χ^2/NDF: 1228139.2/6

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3563.716+/-0.814 χ^2/NDF:427831.3/18

Out: 2710.519+/-0.639 χ^2/NDF:2329915.8/22

All: 3035.508+/-0.503 χ^2/NDF: 3437451.9/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

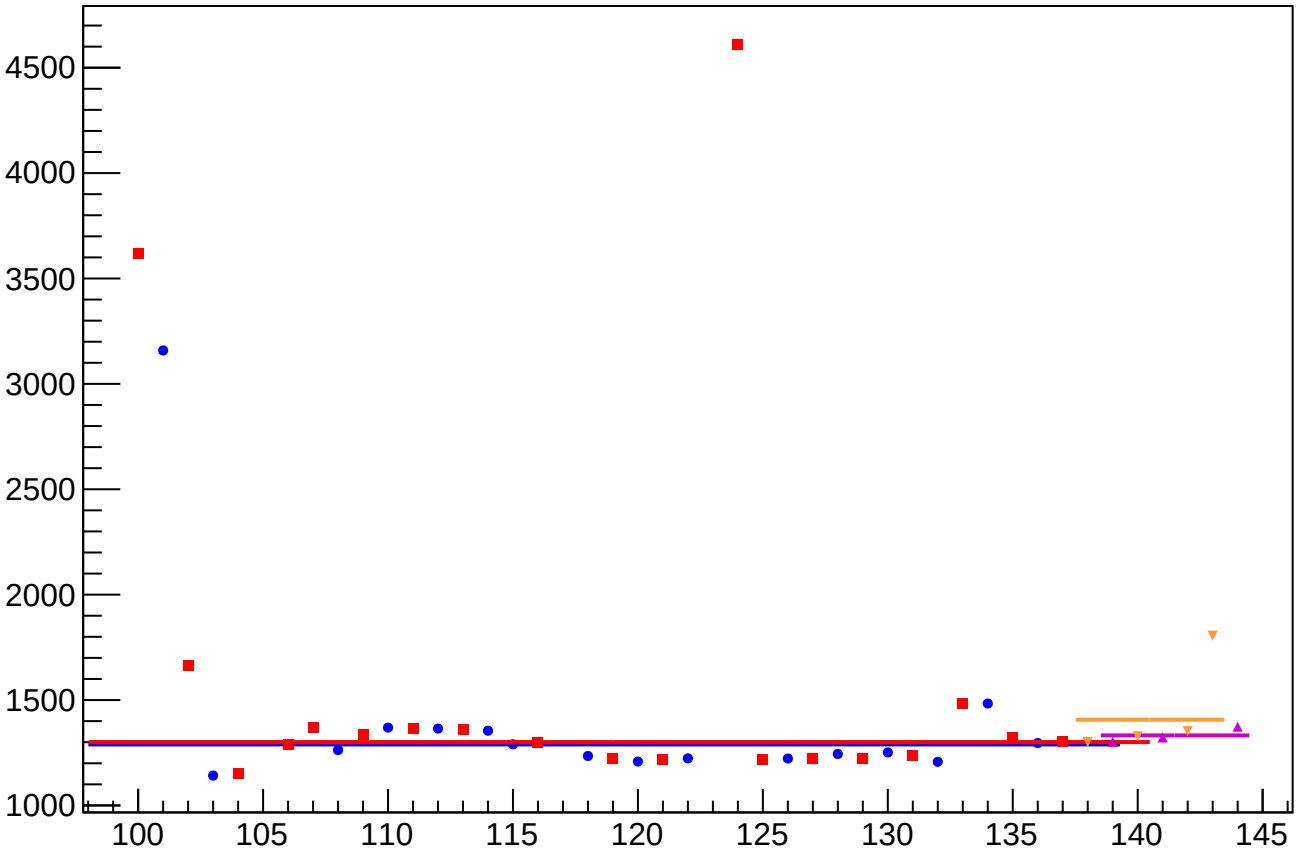
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

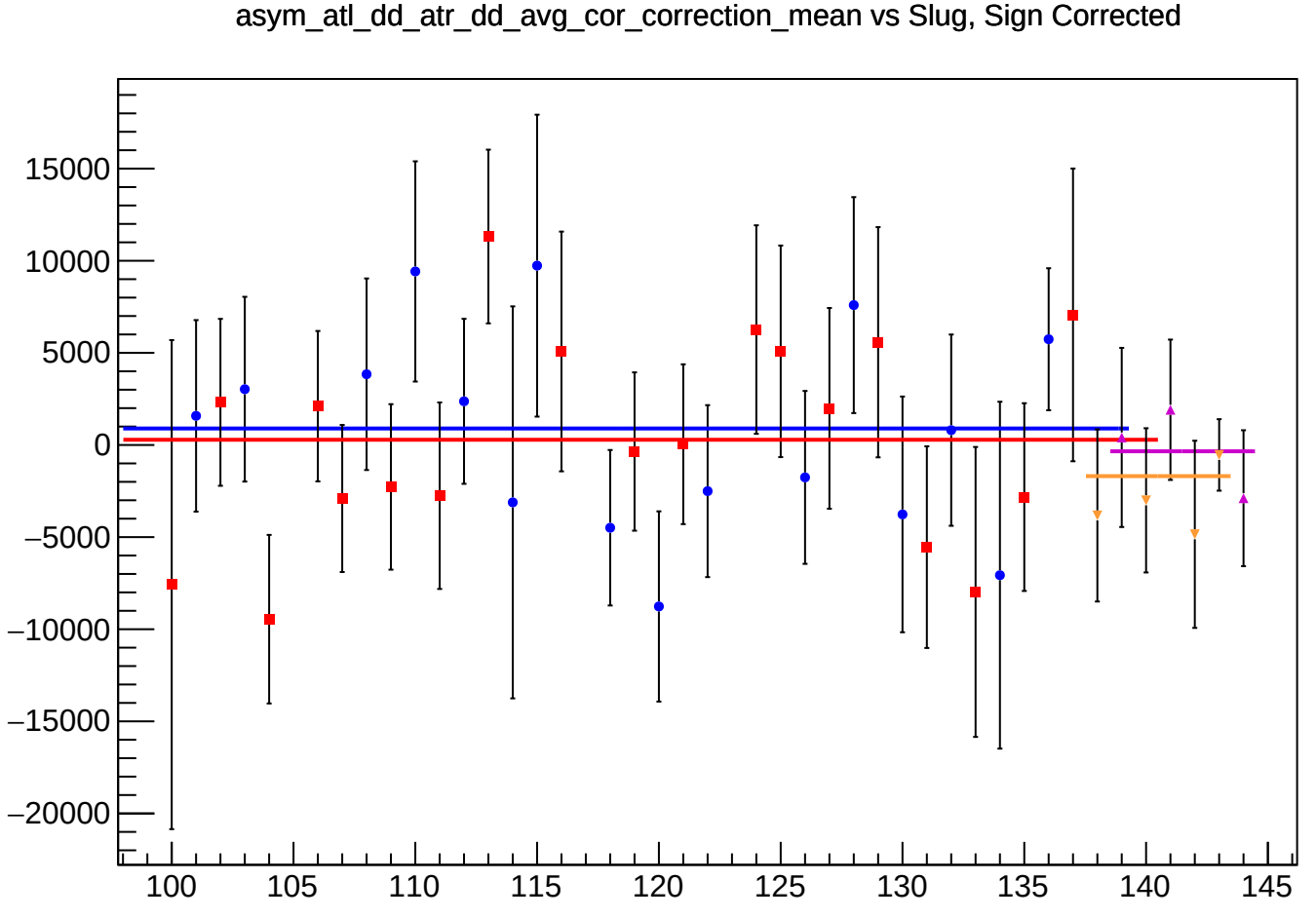
Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

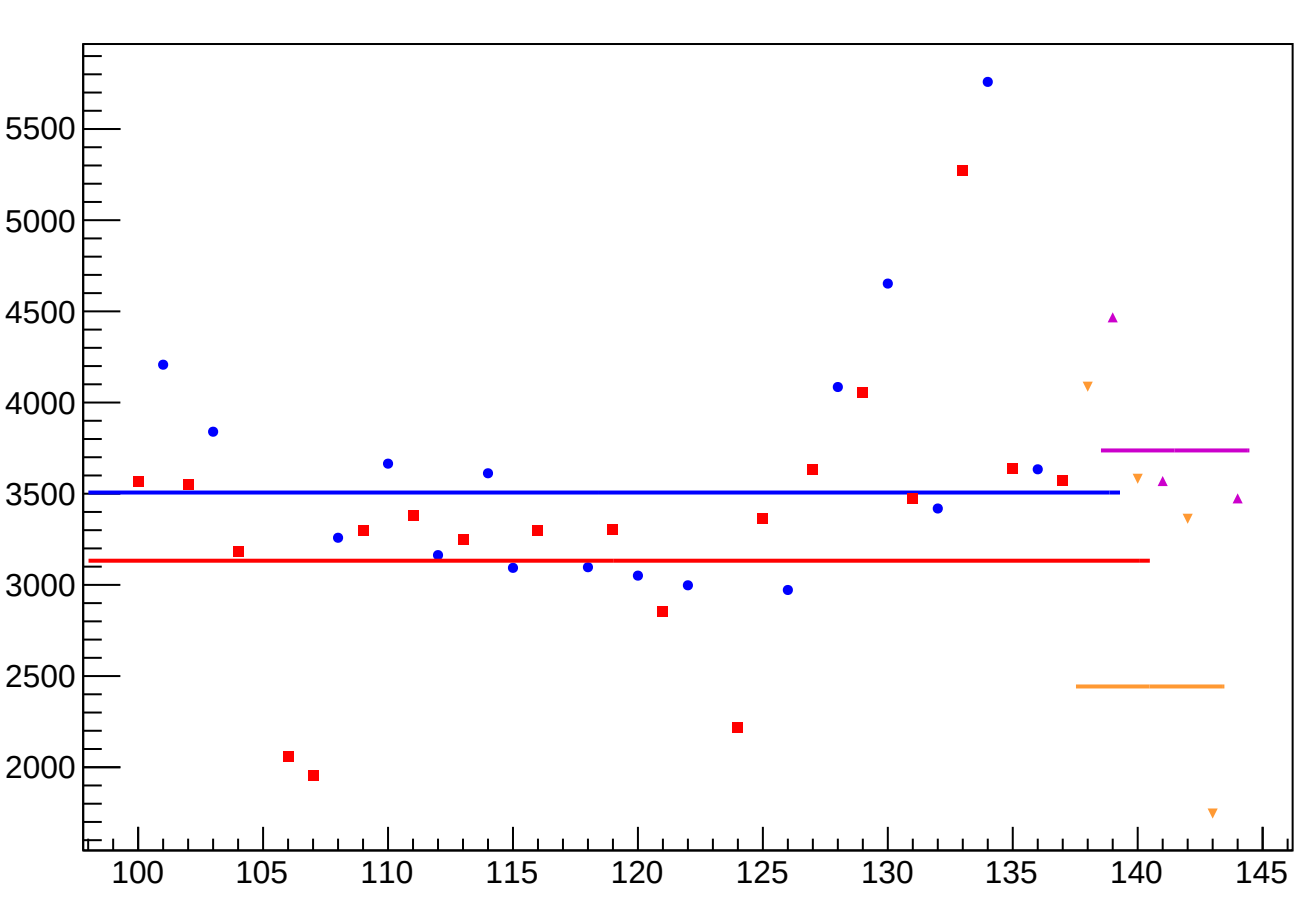
Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

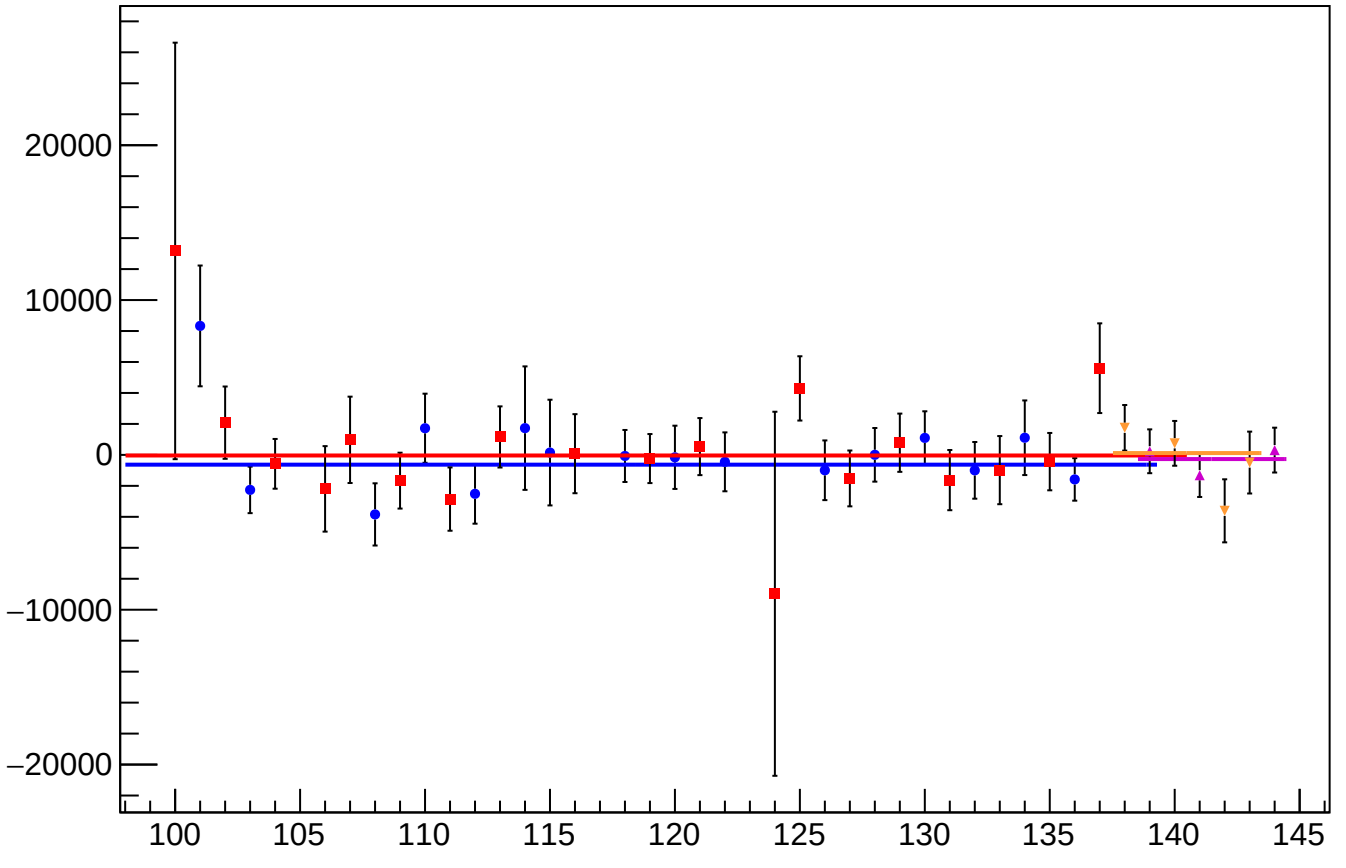
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

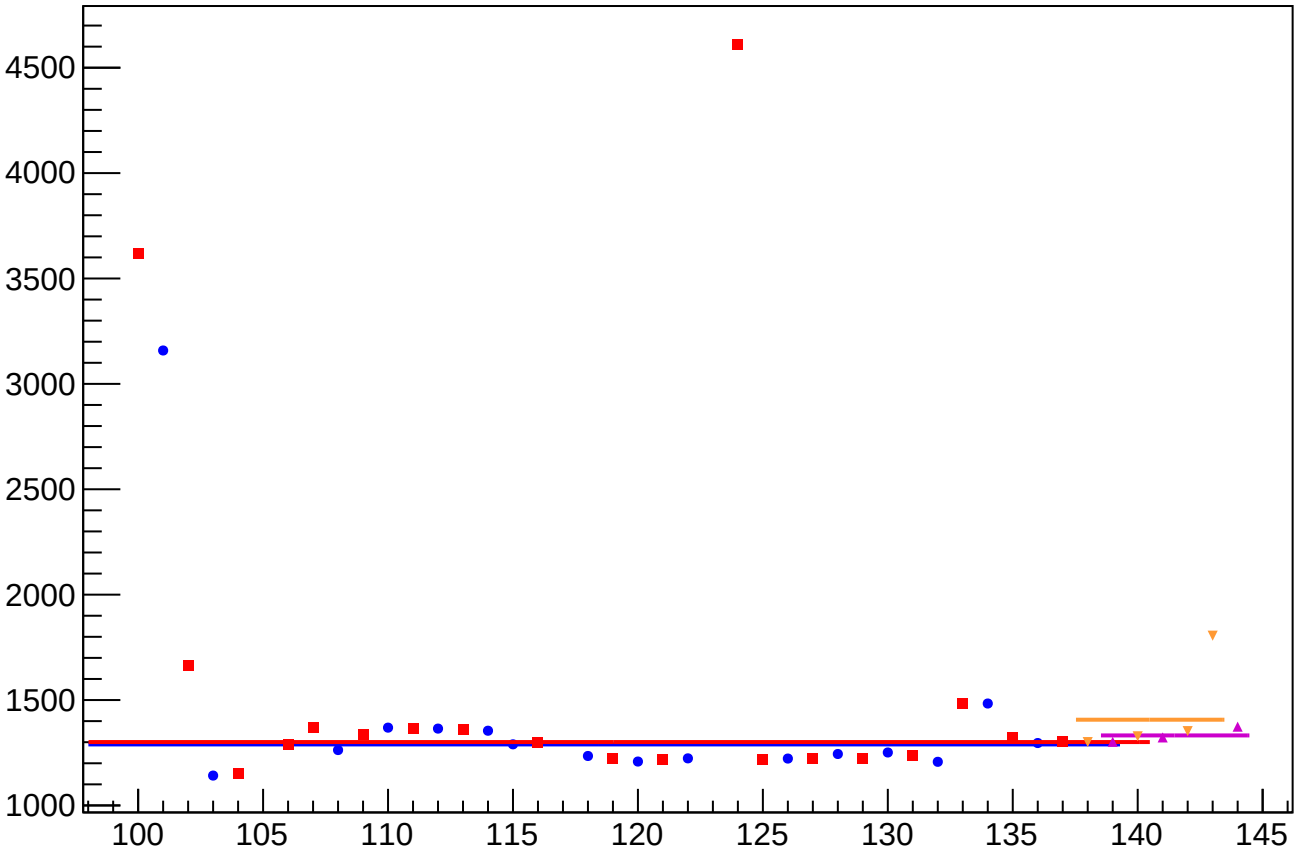
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

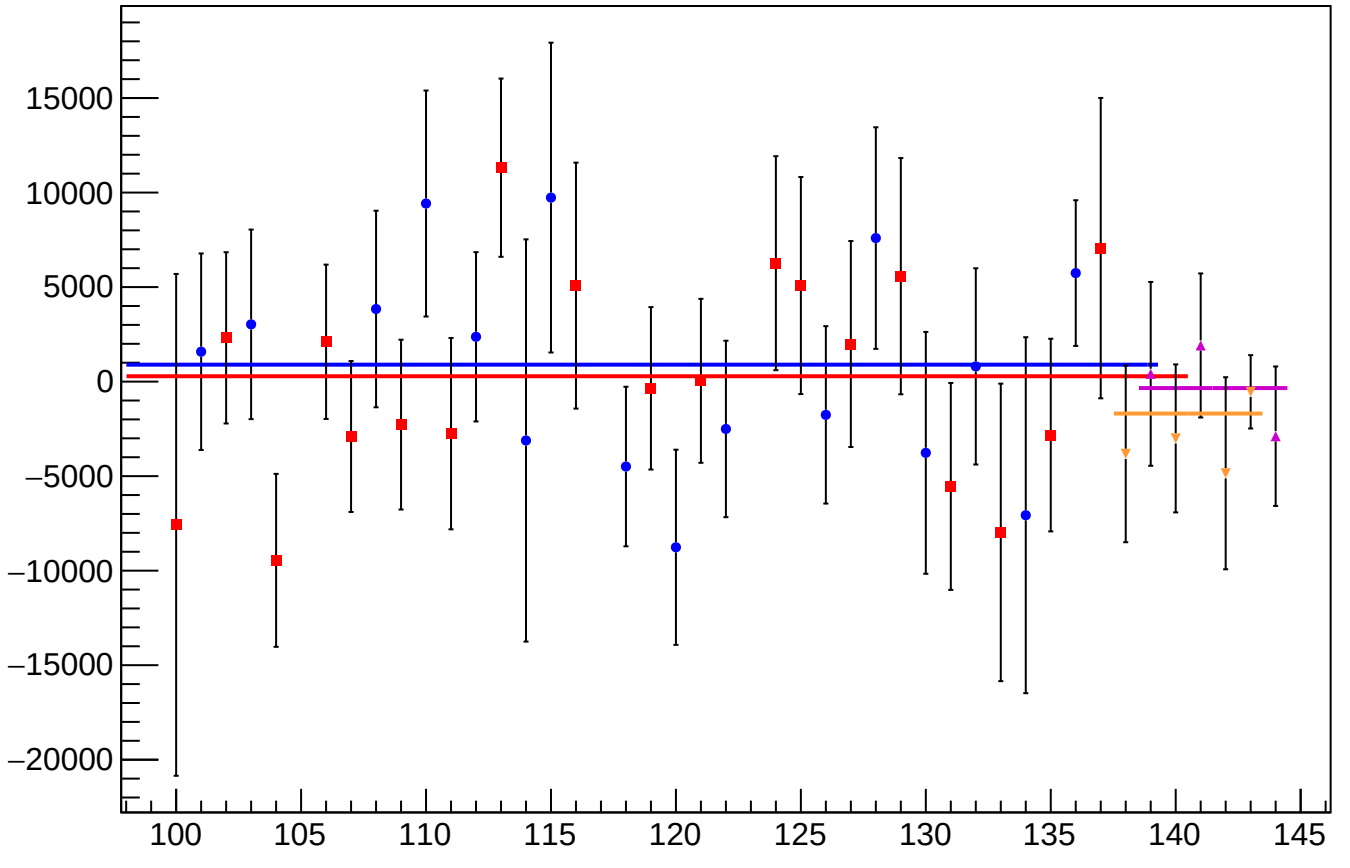
Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

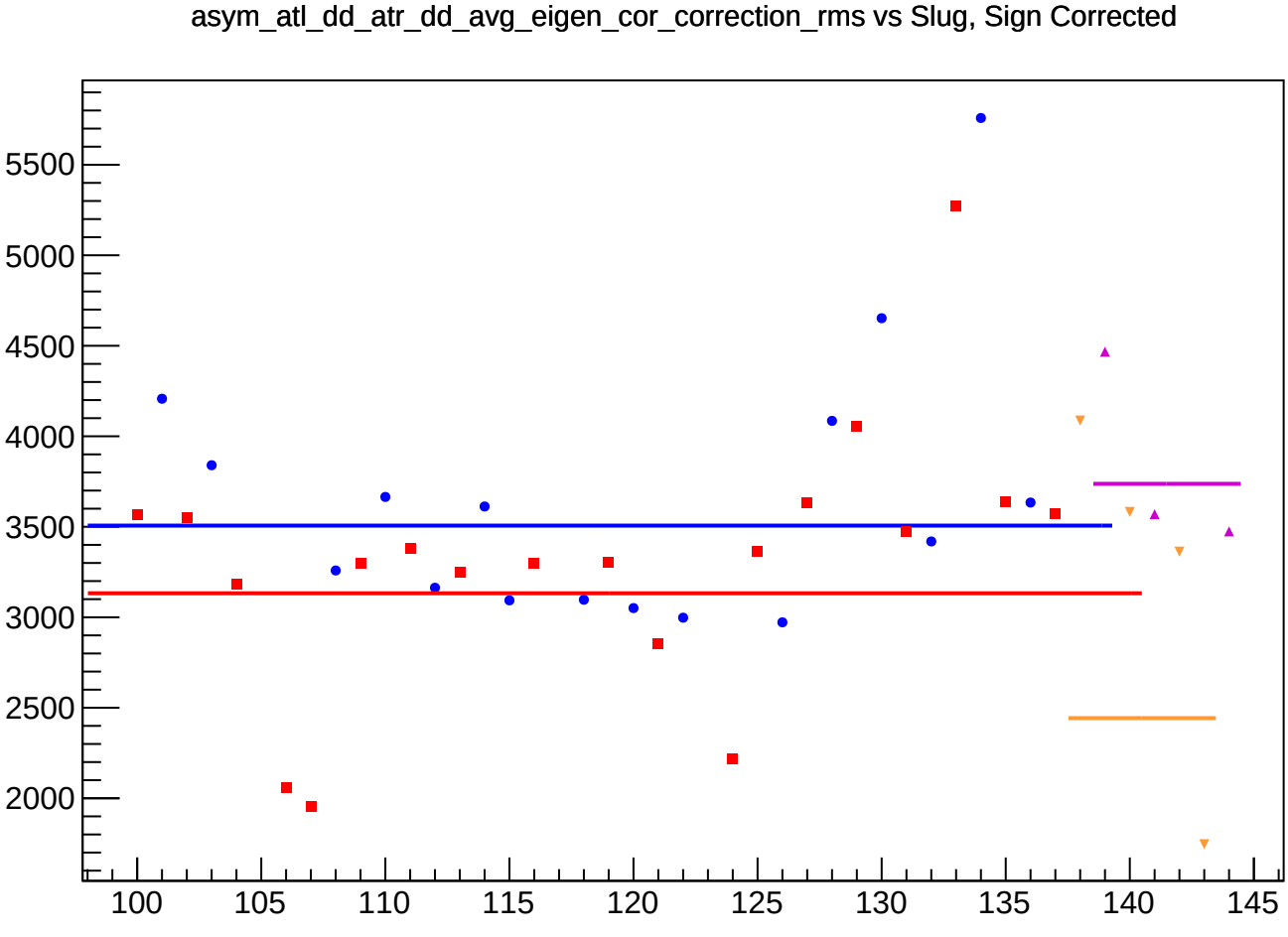
Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

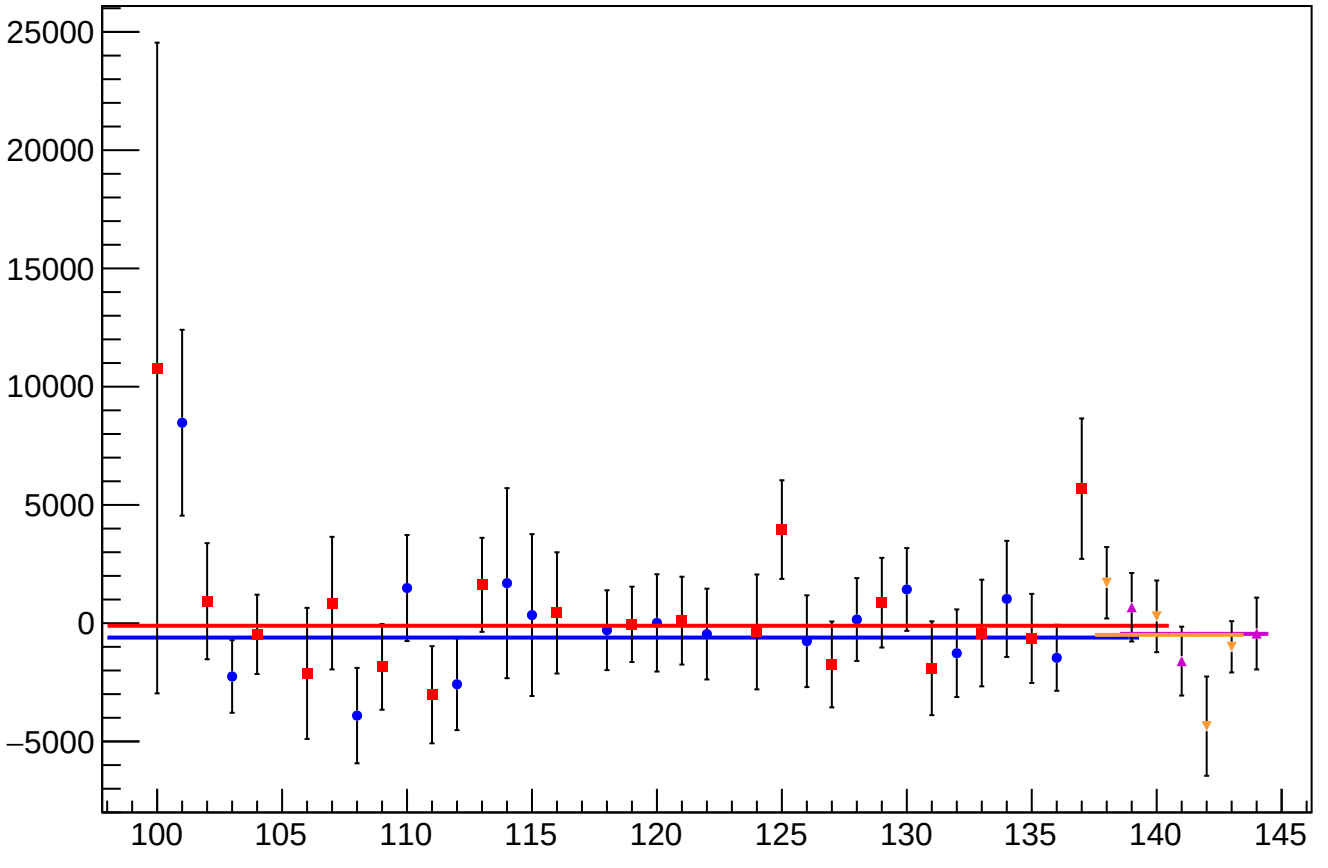
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -451.534+/-850.702 χ^2/NDF:1.2/2

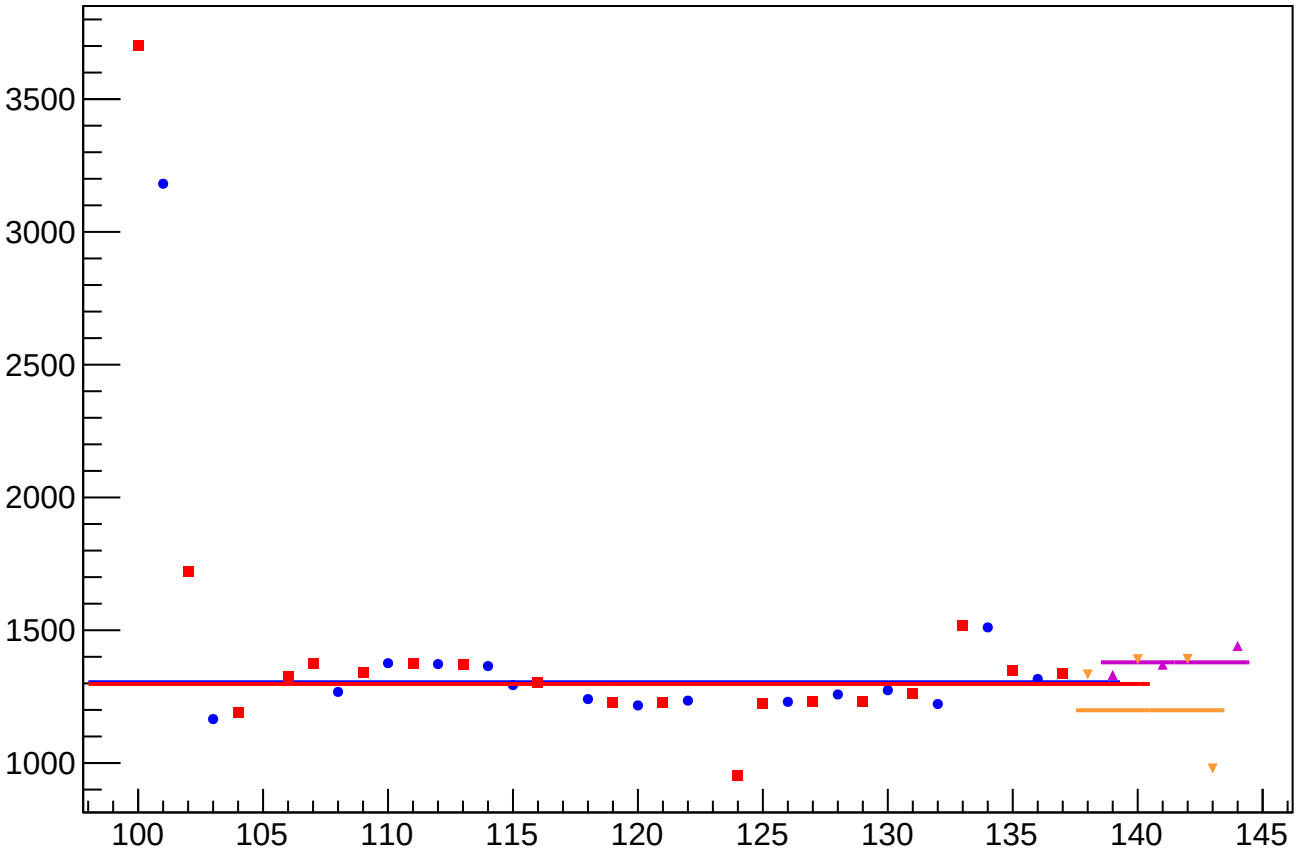
Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -568.395+/-427.314 χ^2/NDF:15.4/18

Out: -229.873+/-401.800 χ^2/NDF:21.1/22

All: -388.727+/-292.720 χ^2/NDF: 36.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

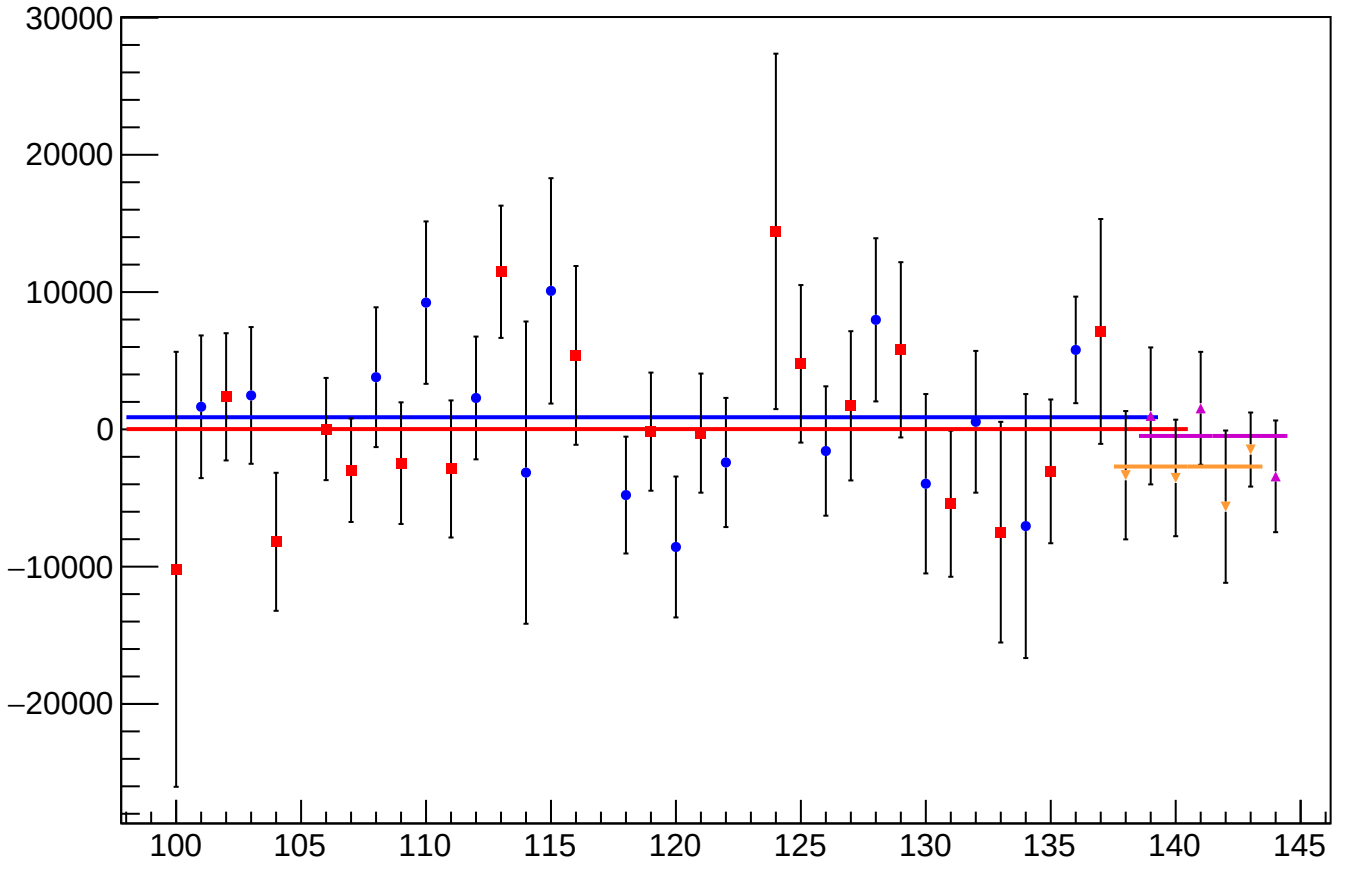
Left: 1273.468+/-0.387 χ^2/NDF: 205322.0/6

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1323.039+/-0.302 χ^2/NDF:527778.7/18

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.3/41



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -479.573+/-2502.432 χ^2/NDF:0.8/2

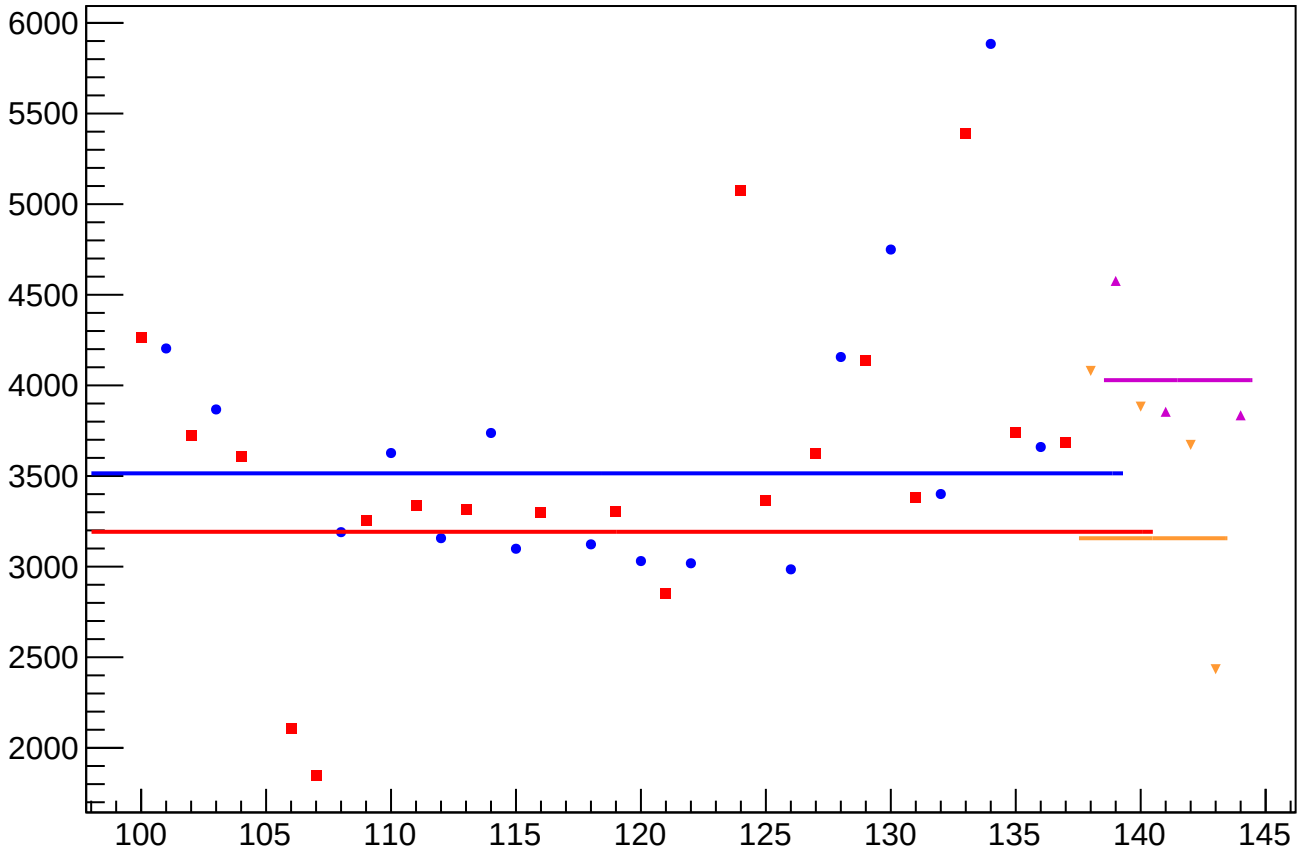
Left: -1881.995+/-1523.342 χ^2/NDF: 1.9/6

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 584.624+/-1172.638 χ^2/NDF:15.2/18

Out: -745.662+/-1017.622 χ^2/NDF:18.8/22

All: -174.201+/-768.572 χ^2/NDF: 34.8/41



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4028.899+/-1.769 χ^2/NDF:32241.1/2

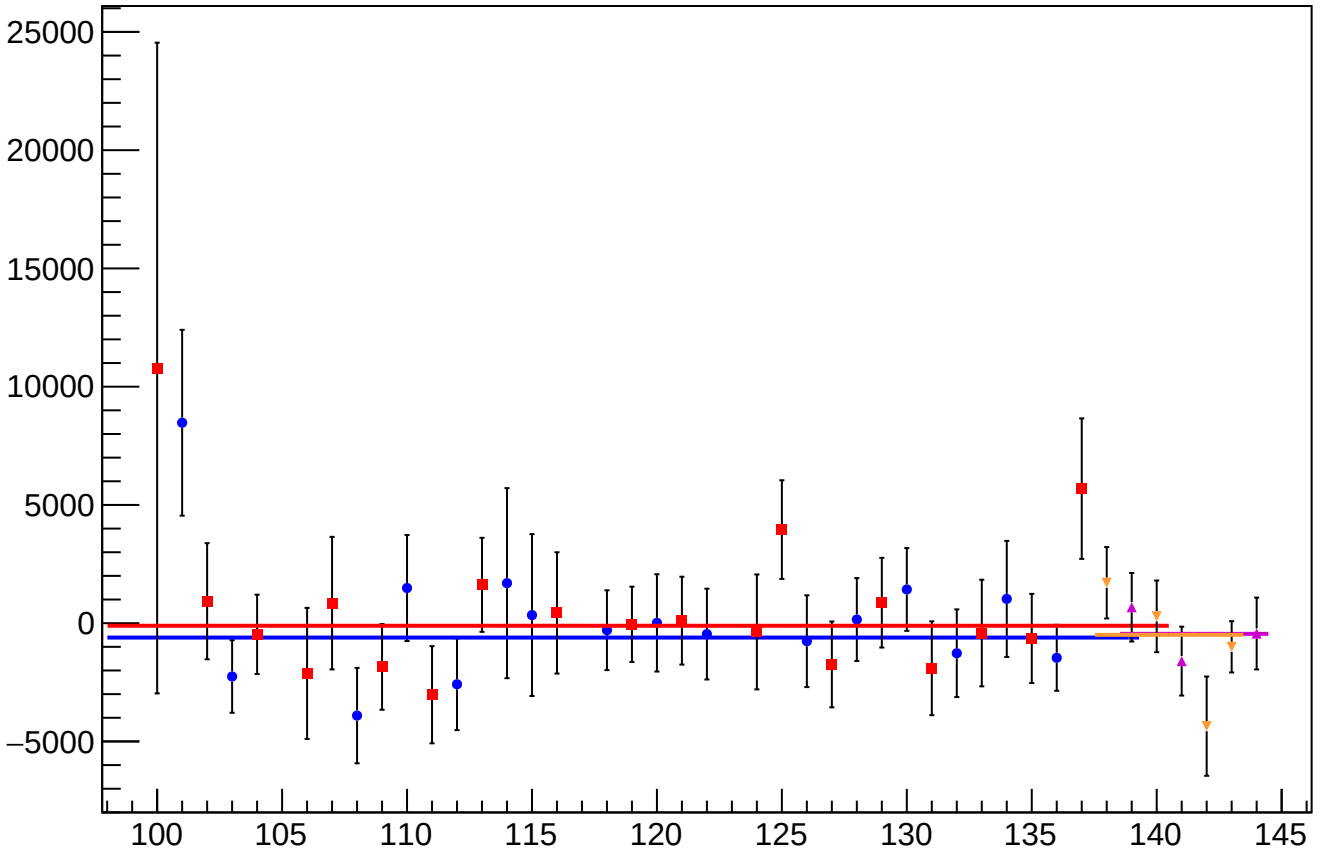
Left: 3479.866+/-1.077 χ^2/NDF: 482574.8/6

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3627.646+/-0.829 χ^2/NDF:473209.3/18

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3373.560+/-0.543 χ^2/NDF: 1708194.7/41



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -451.531+/-850.703 χ^2/NDF:1.2/2

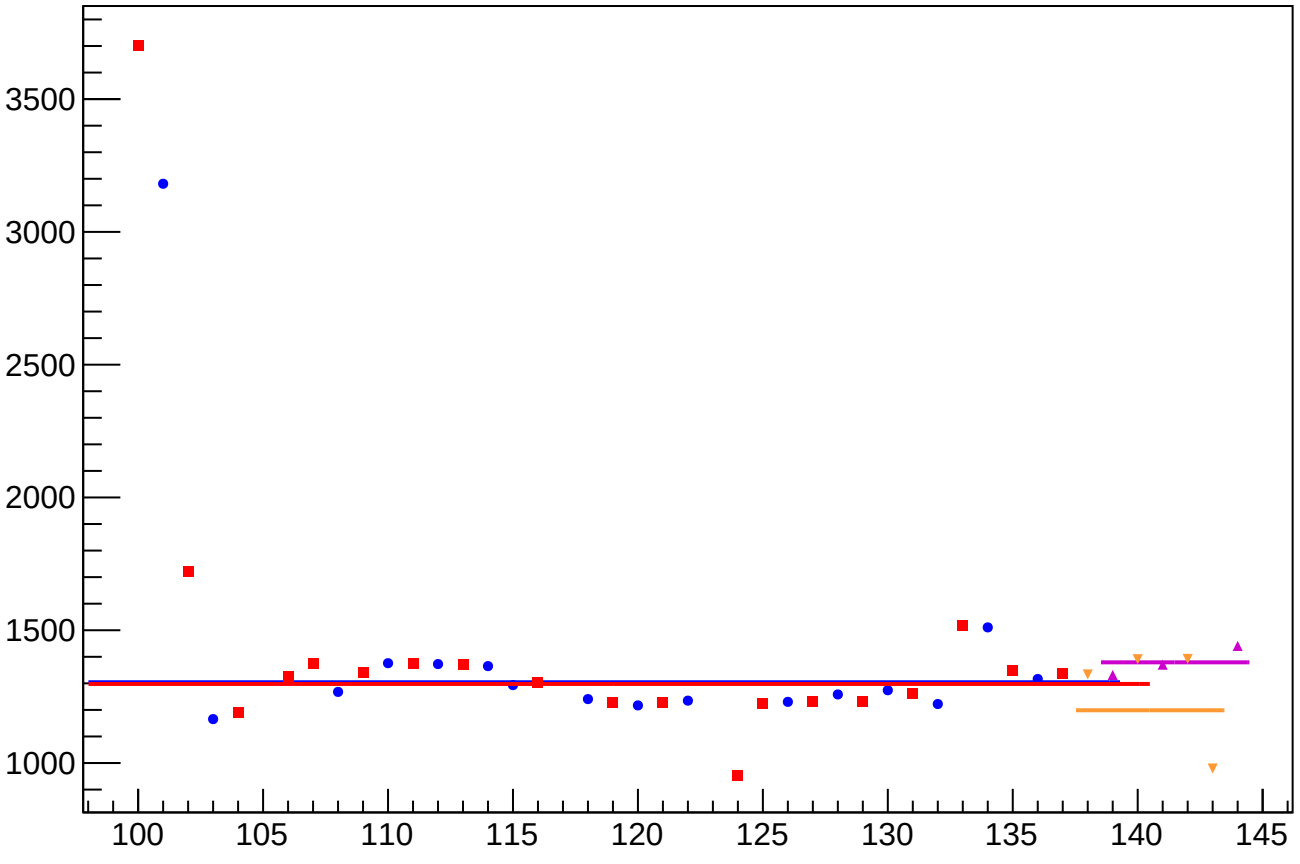
Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -568.397+/-427.314 χ^2/NDF:15.4/18

Out: -229.877+/-401.800 χ^2/NDF:21.1/22

All: -388.730+/-292.720 χ^2/NDF: 36.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

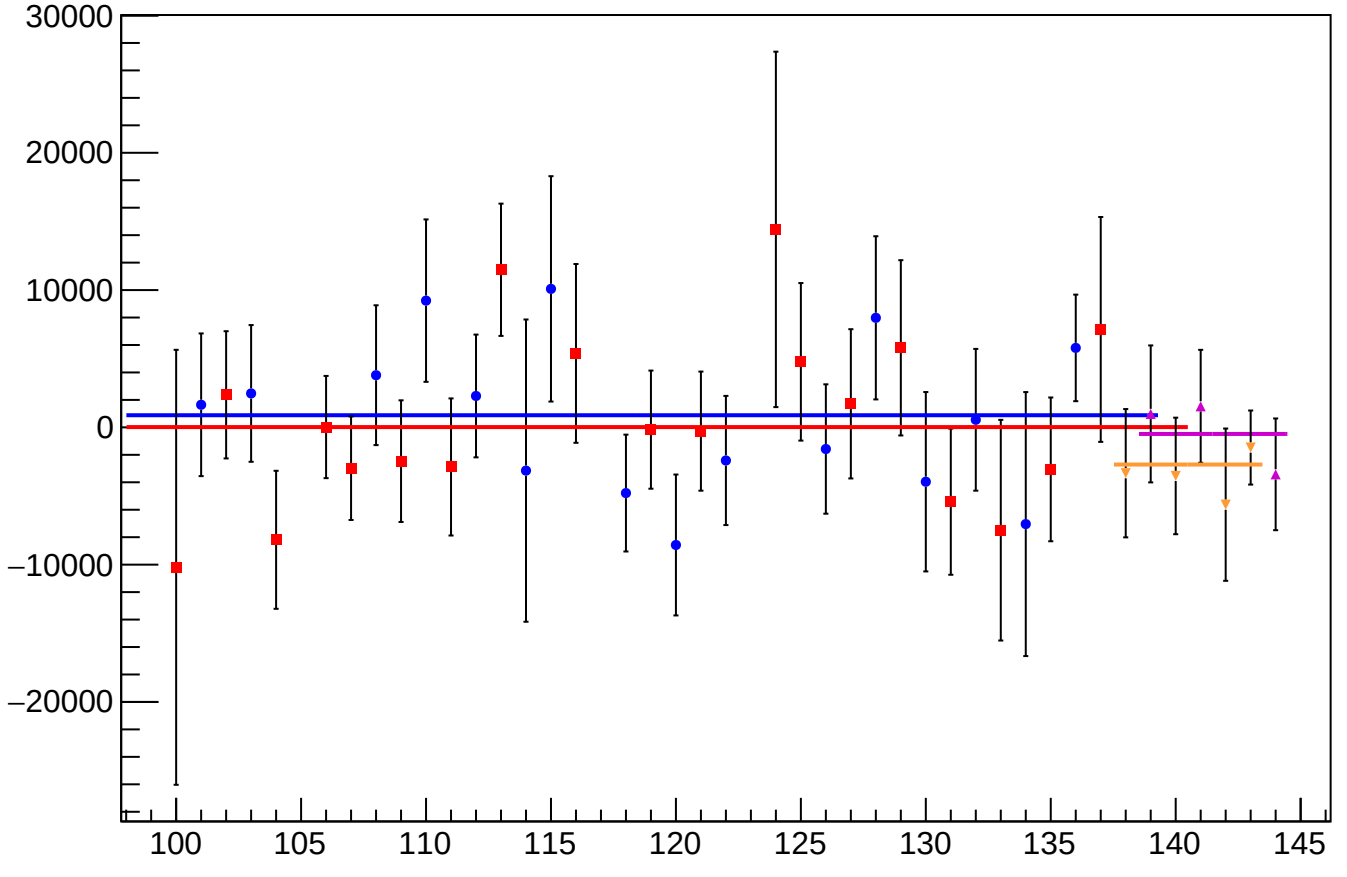
Left: 1273.469+/-0.387 χ^2/NDF: 205322.0/6

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1323.040+/-0.302 χ^2/NDF:527779.3/18

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.2/41



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -479.569+/-2502.436 χ^2/NDF:0.8/2

Left: -1881.995+/-1523.344 χ^2/NDF: 1.9/6

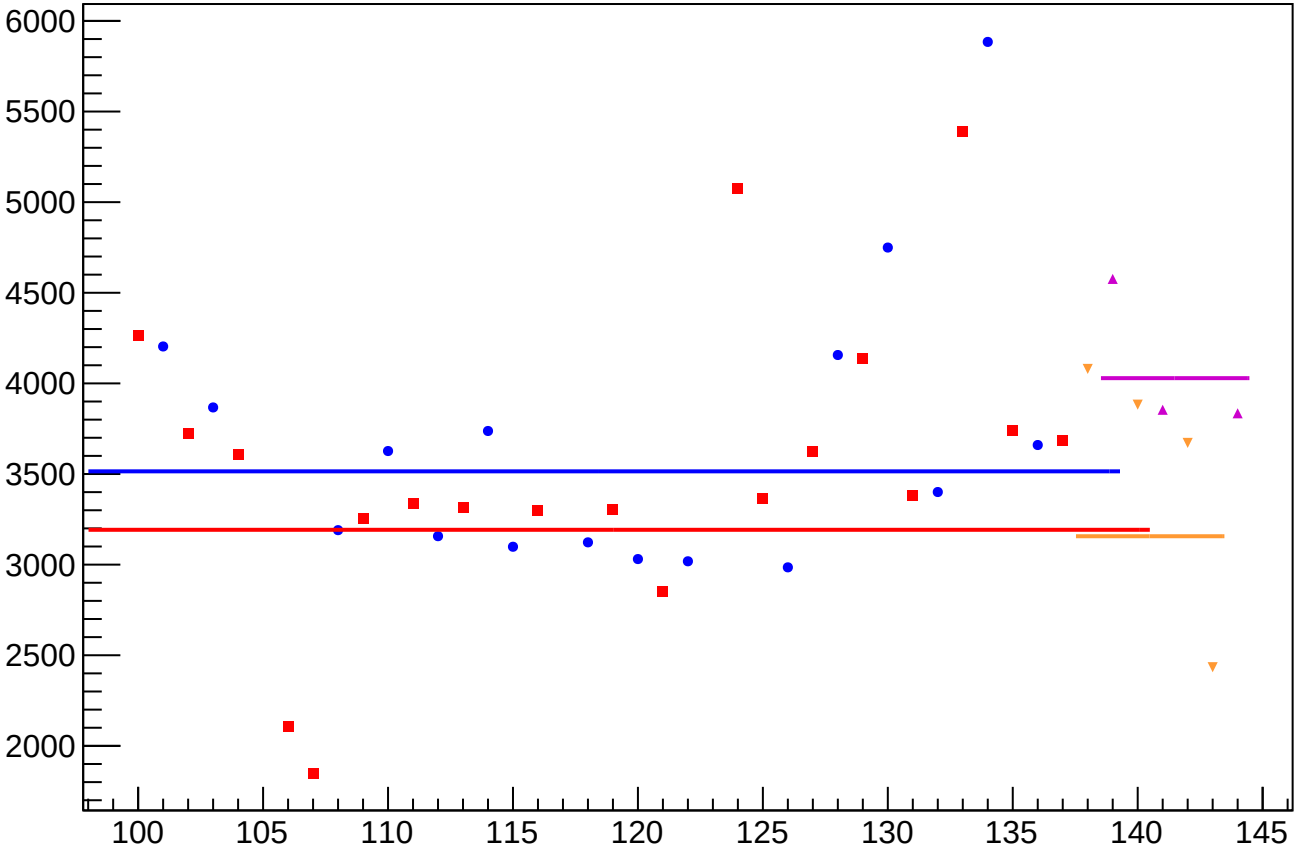
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 584.619+/-1172.637 χ^2/NDF:15.2/18

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -174.203+/-768.571 χ^2/NDF: 34.8/41

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4028.906+/-1.769 χ^2/NDF:32241.7/2

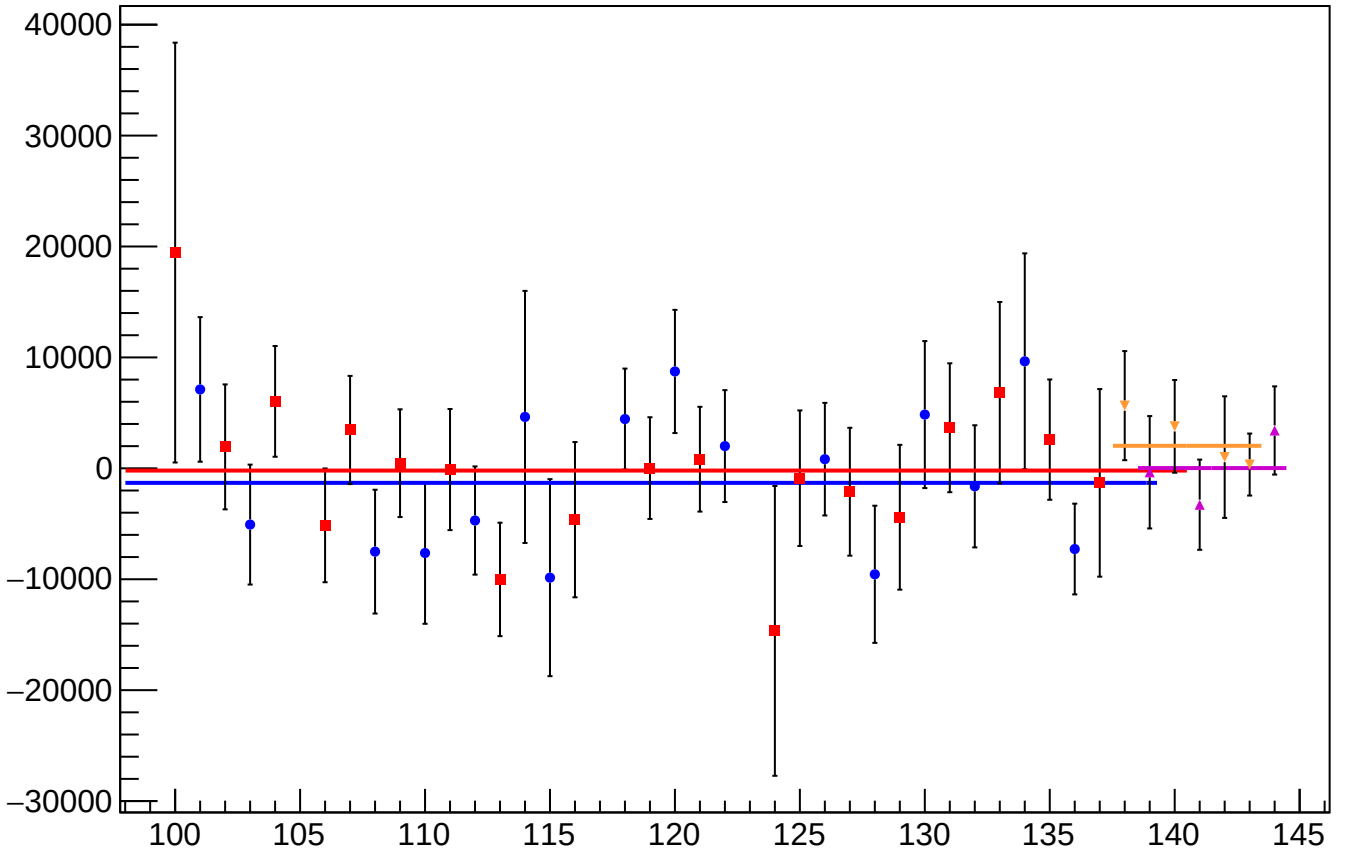
Left: 3479.872+/-1.077 χ^2/NDF: 482575.8/6

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3627.640+/-0.829 χ^2/NDF:473218.0/18

Out: 3182.207+/-0.720 χ^2/NDF:1070373.5/22

All: 3373.555+/-0.543 χ^2/NDF: 1708204.5/41



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 22.793+/-2479.396 χ^2/NDF:1.4/2

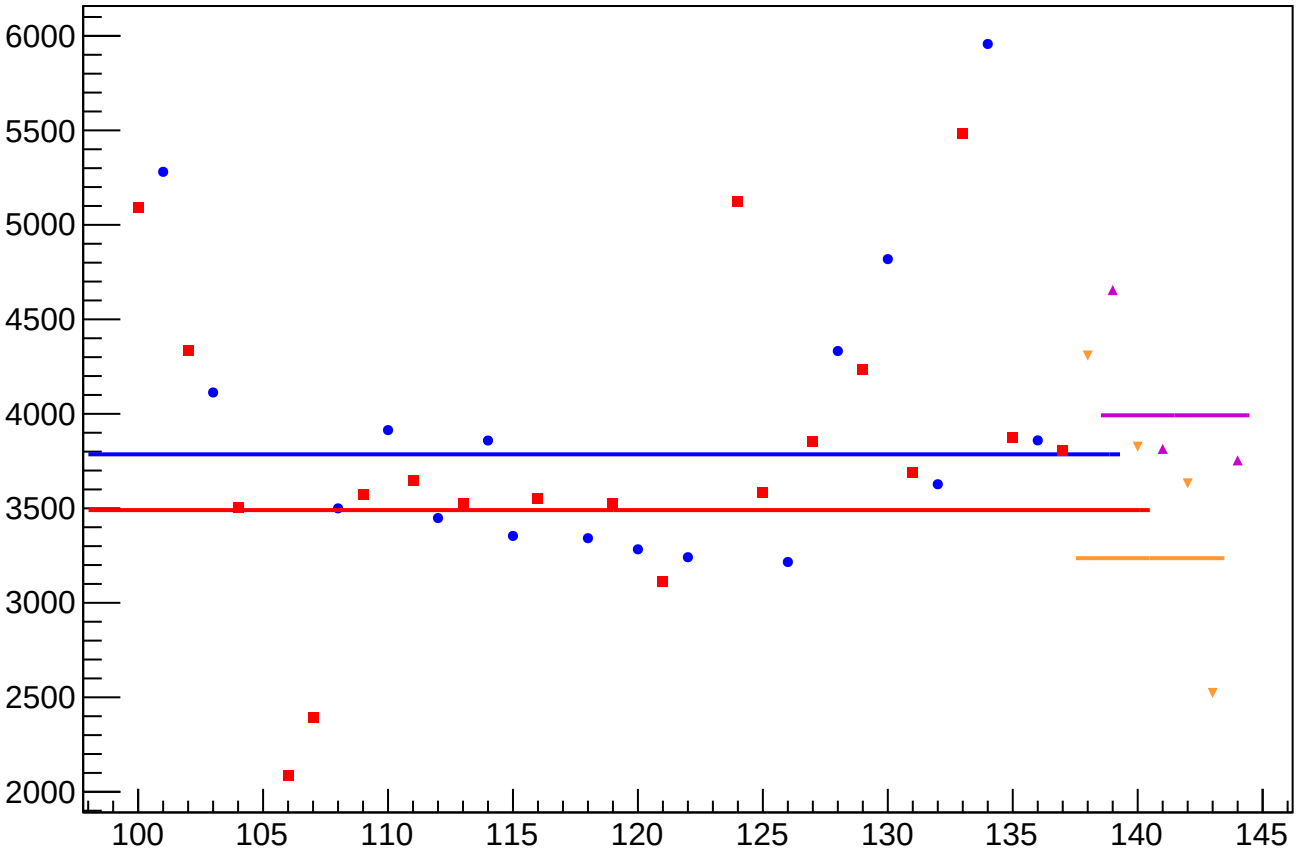
Left: 1257.170+/-1538.328 χ^2/NDF: 2.9/6

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -976.264+/-1239.792 χ^2/NDF:19.2/18

Out: 505.550+/-1104.243 χ^2/NDF:13.6/22

All: -149.953+/-824.592 χ^2/NDF: 33.6/41



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

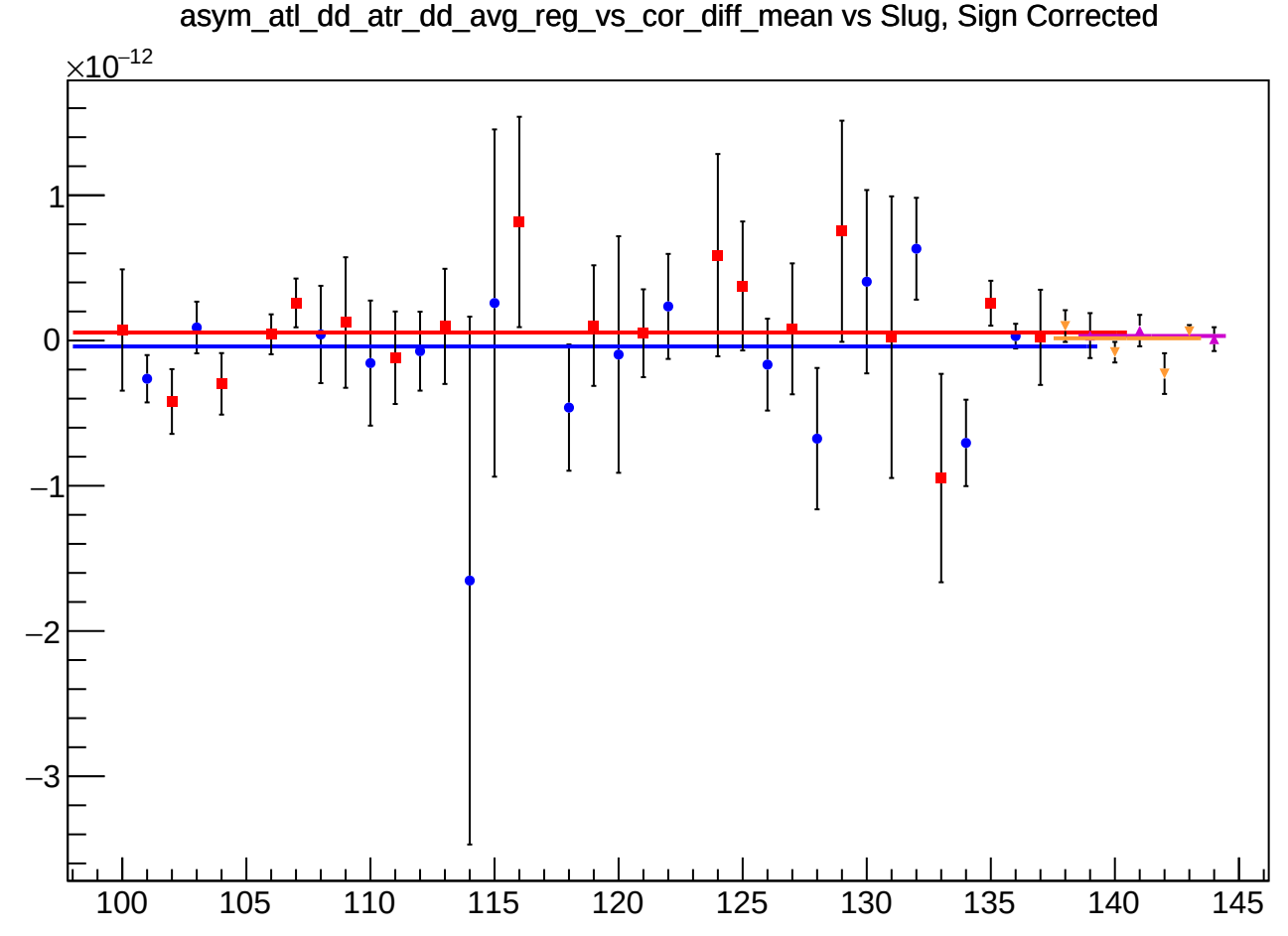
Left: 3527.297+/-1.088 χ^2/NDF: 435186.7/6

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3837.403+/-0.877 χ^2/NDF:438647.8/18

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3597.939+/-0.580 χ^2/NDF: 1456806.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

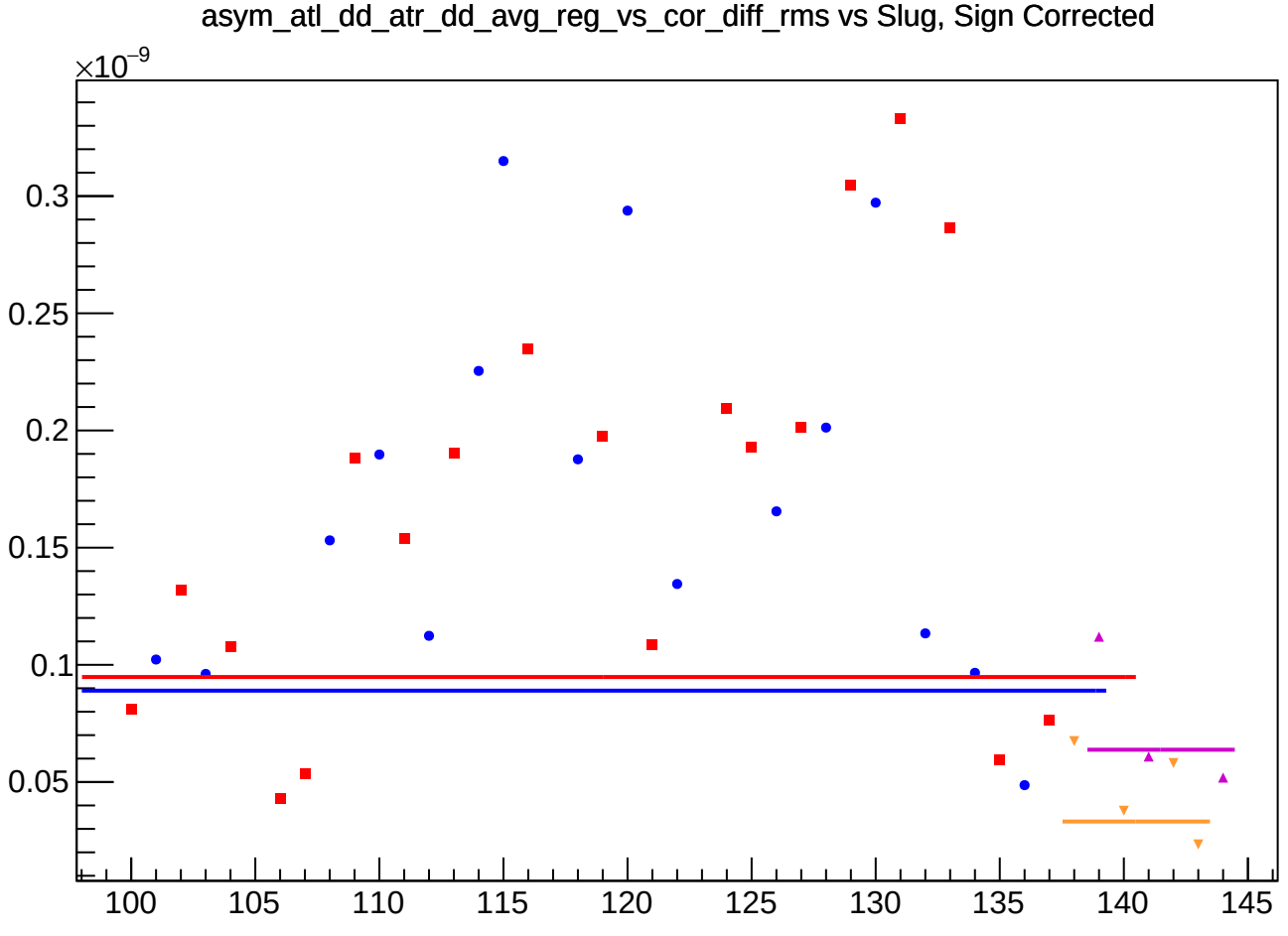
Left: 0.000+/-0.000 χ^2/NDF: 6.8/6

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:17.6/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

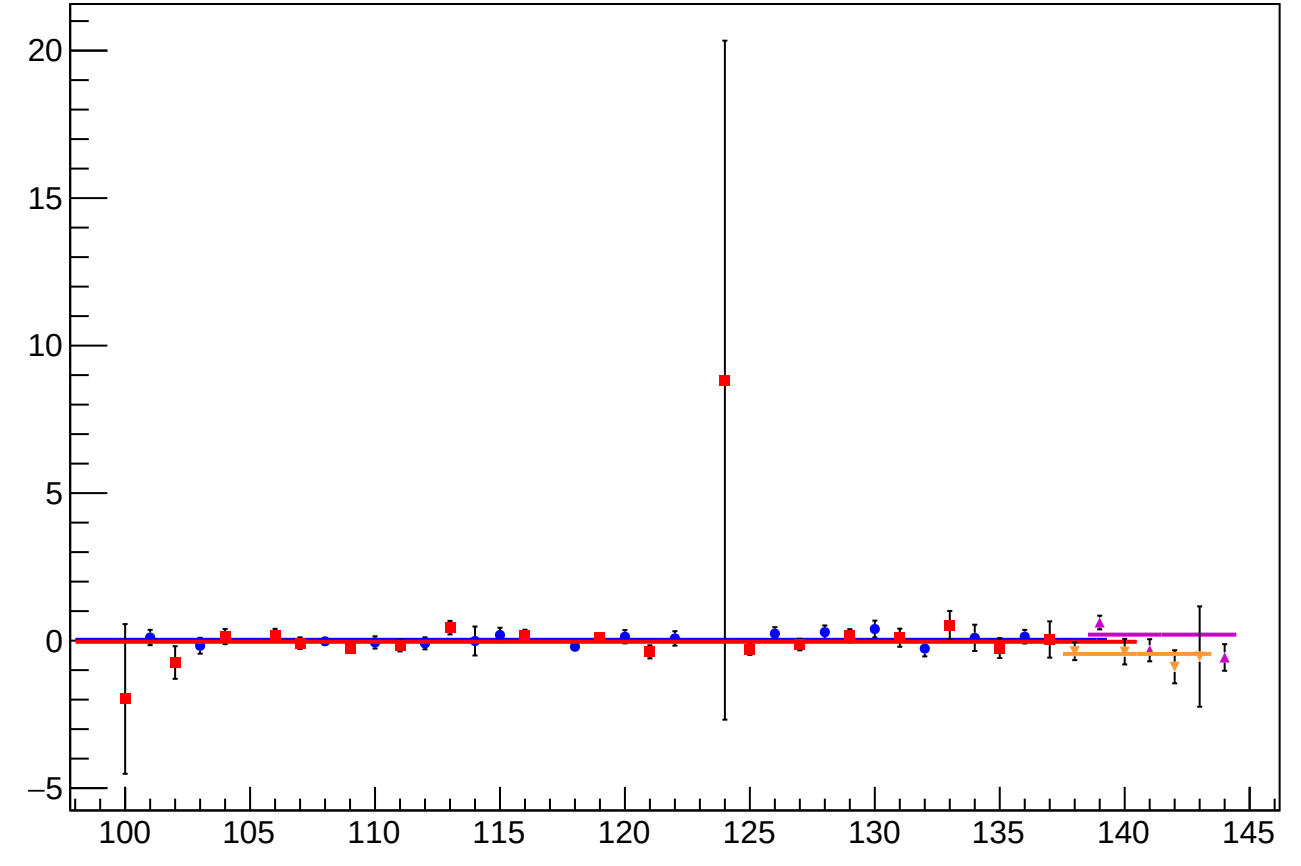
Left: 0.000+/-0.000 χ^2/NDF: 995632.5/6

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1877202.9/18

Out: 0.000+/-0.000 χ^2/NDF:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6081130.4/41



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

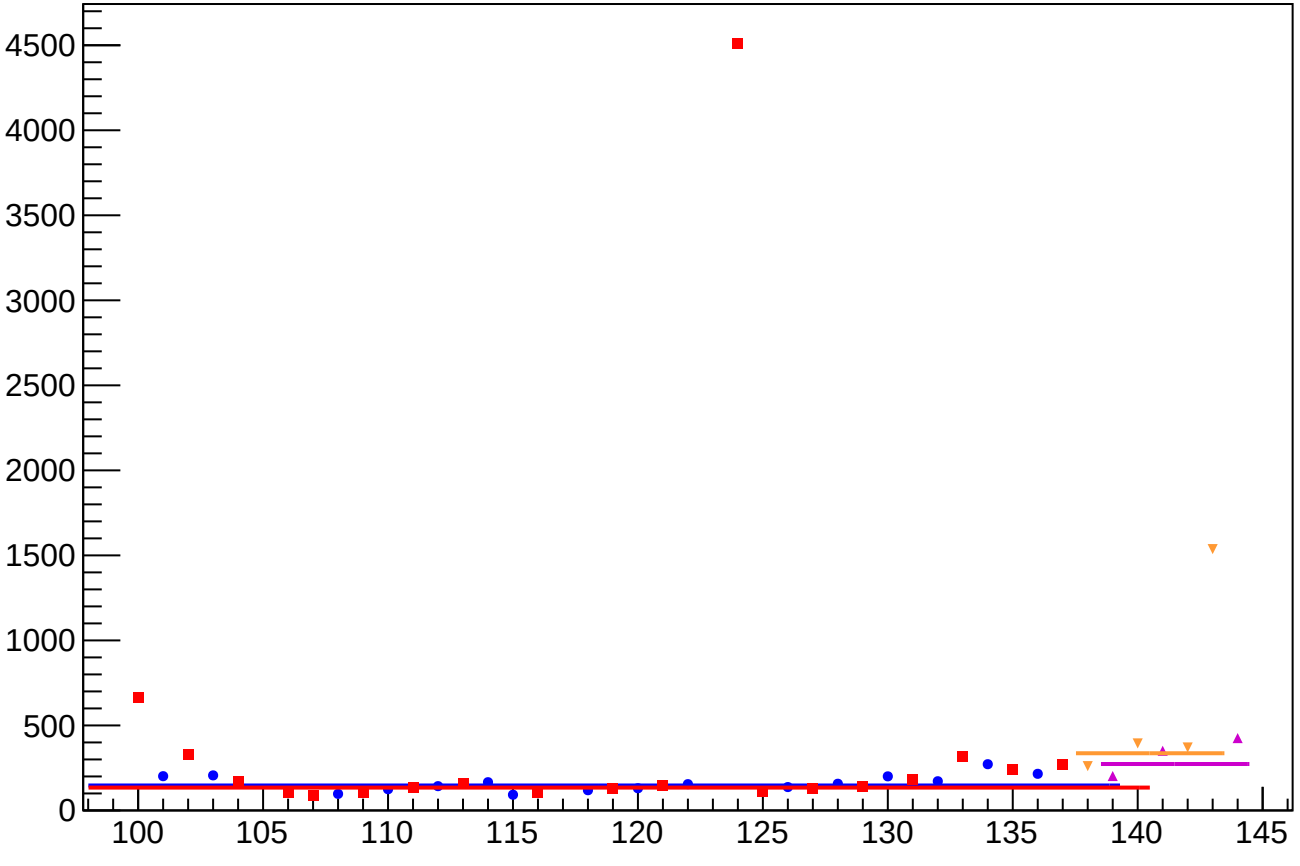
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

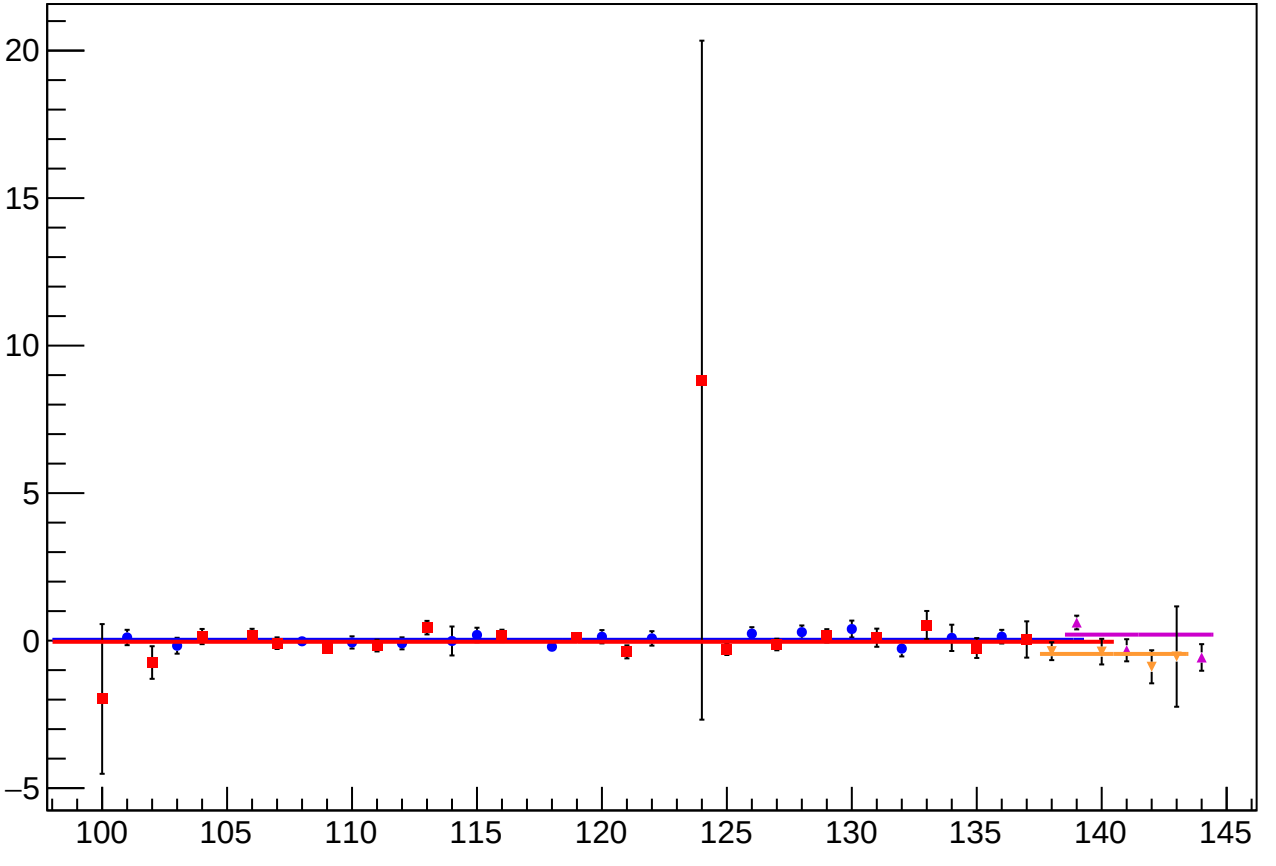
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

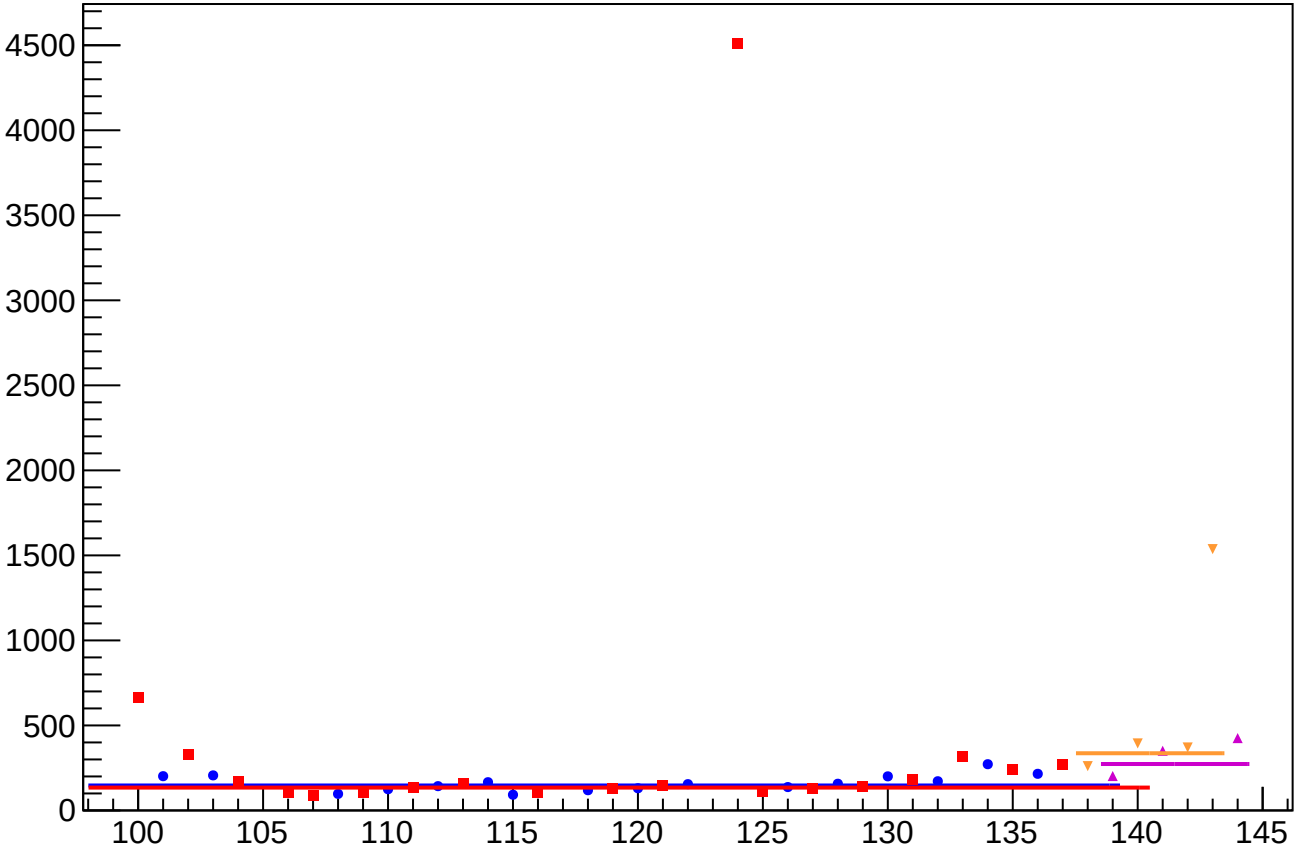
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

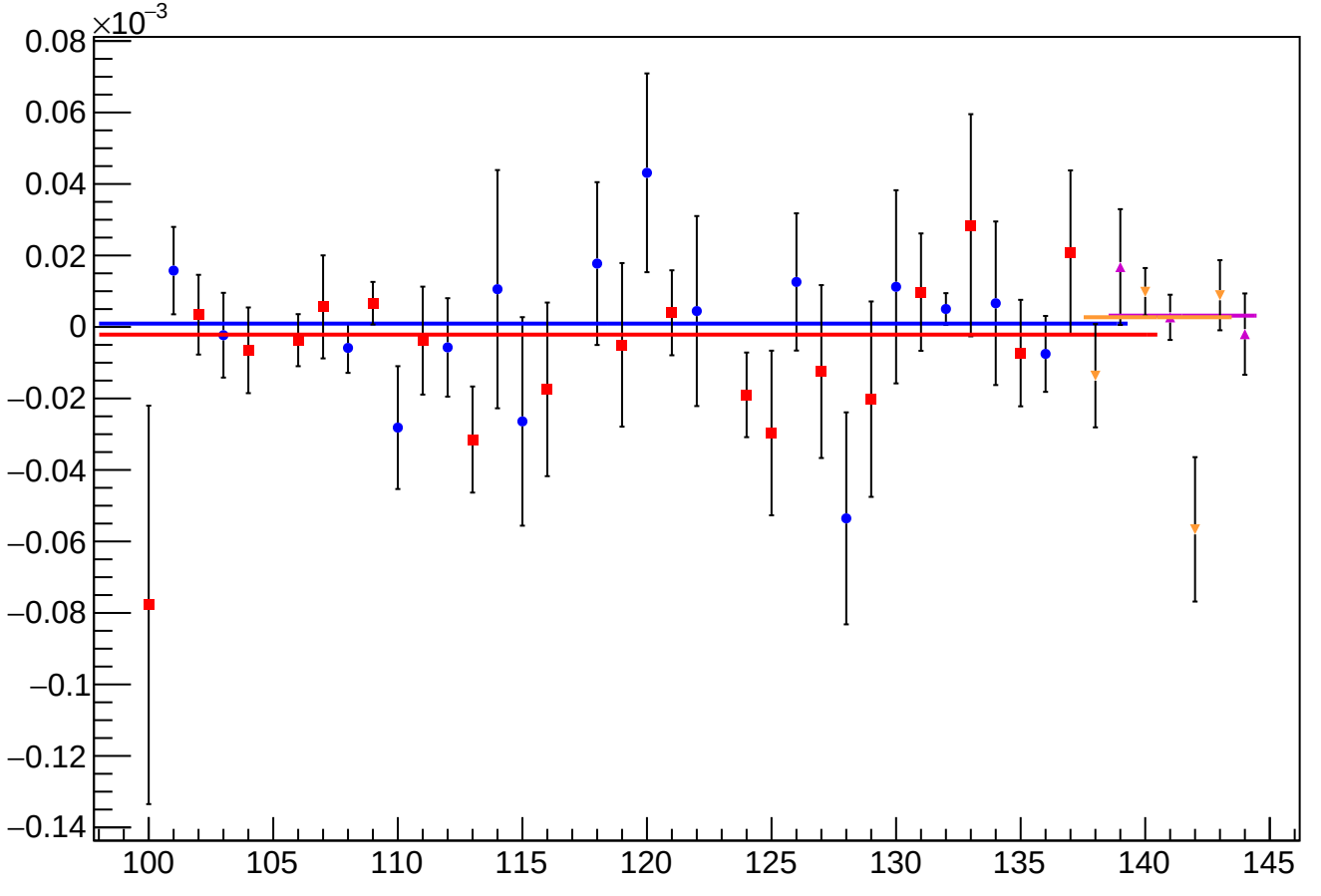
Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

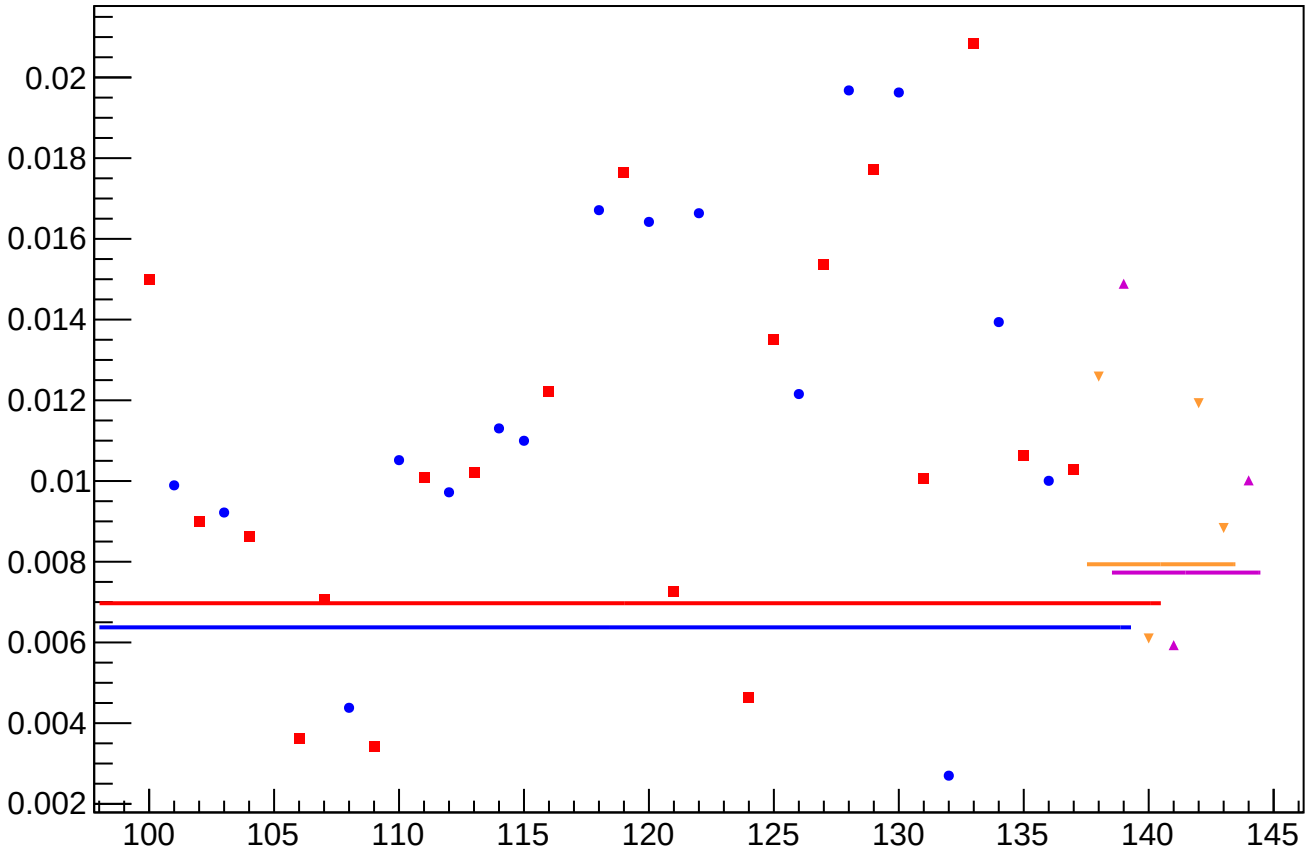
Left: 0.000+/-0.000 χ^2/NDF: 12.4/6

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.9/18

Out: -0.000+/-0.000 χ^2/NDF:28.2/22

All: 0.000+/-0.000 χ^2/NDF: 44.5/41



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.008+/-0.000 χ^2/NDF:632815.0/2

Left: 0.008+/-0.000 χ^2/NDF: 1088550.1/6

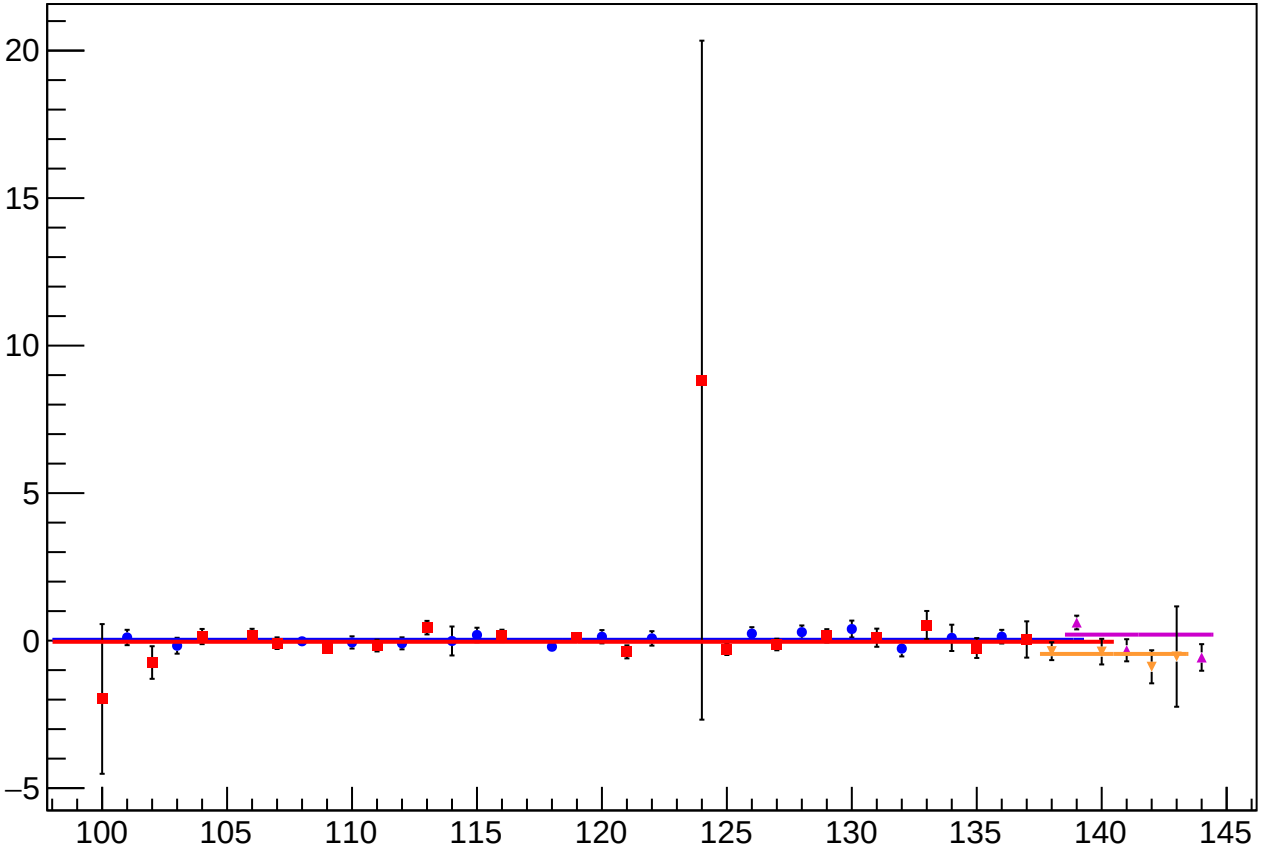
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5375064.1/18

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9336890.3/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

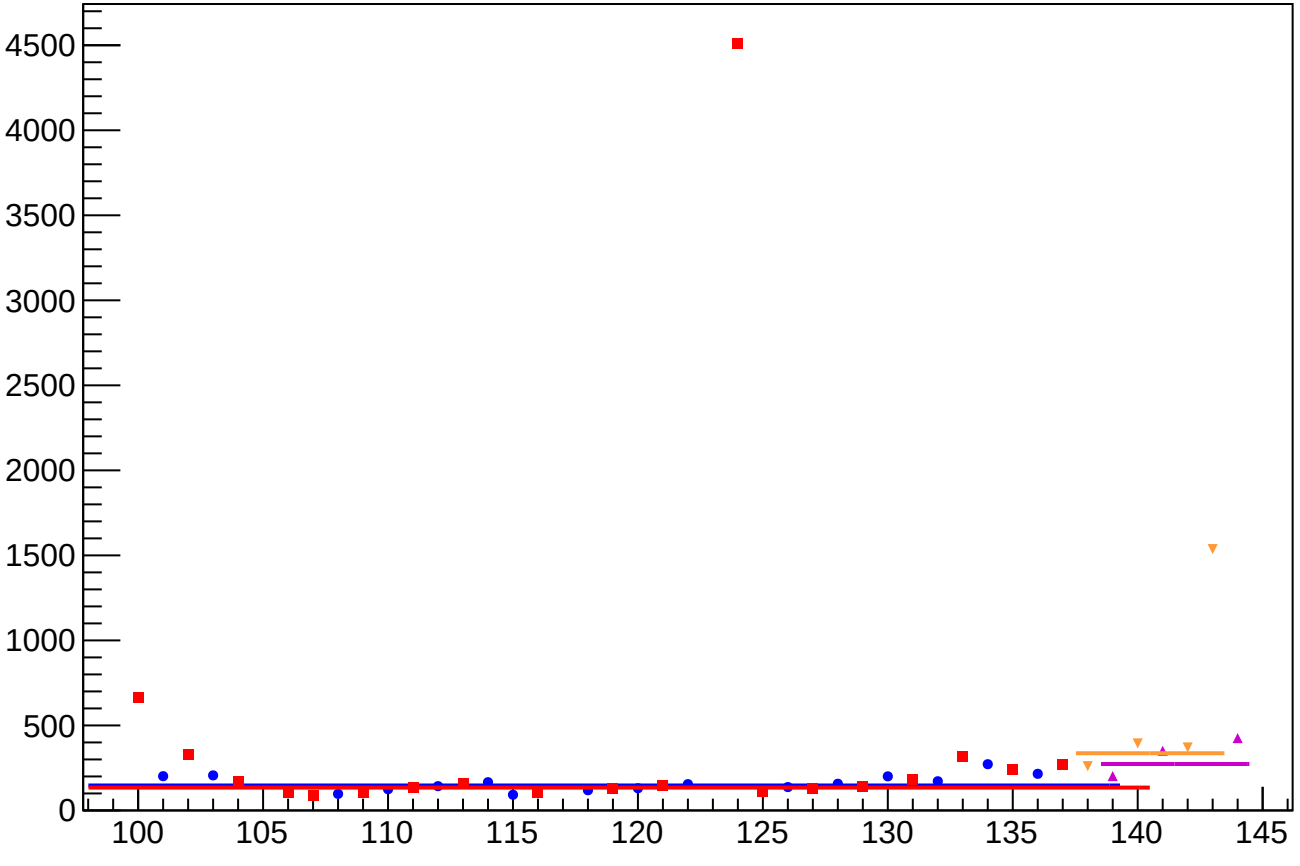
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

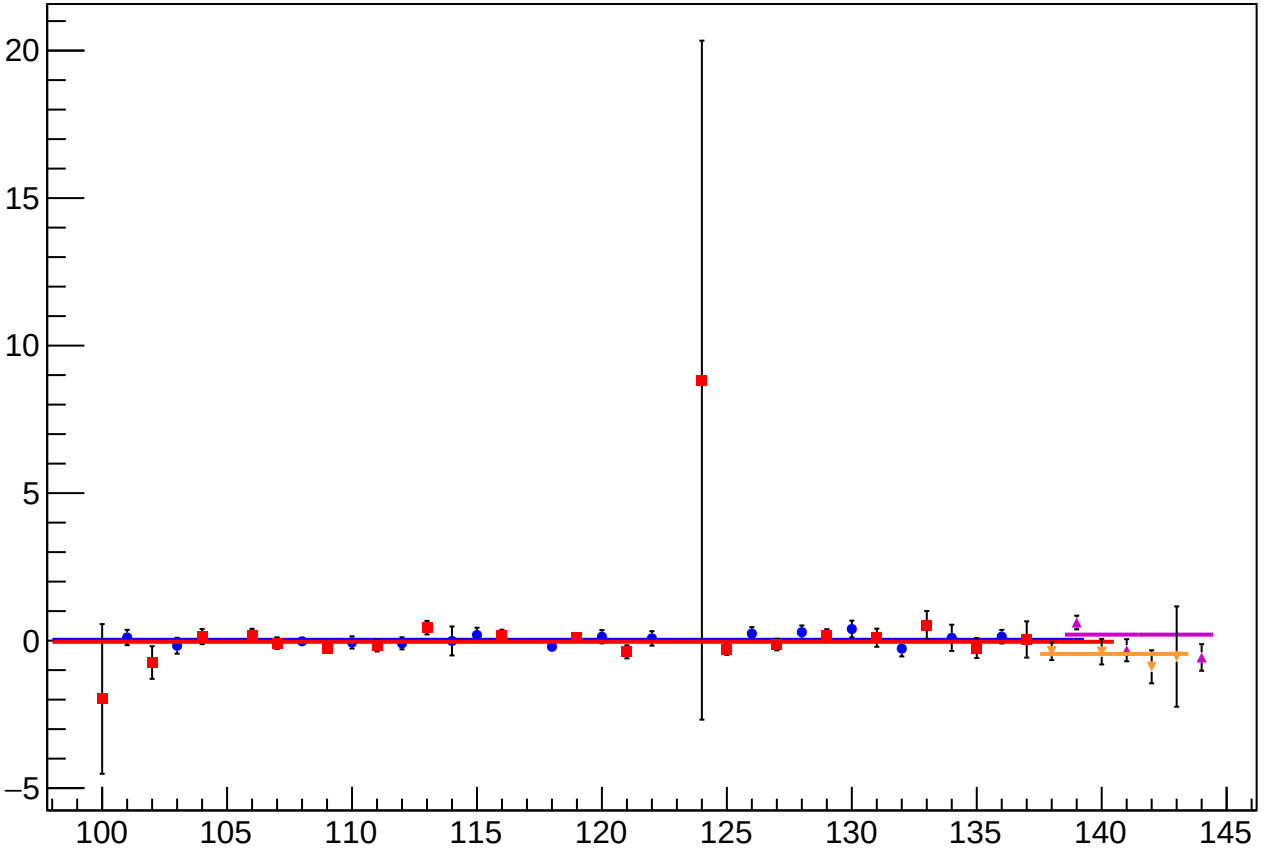
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

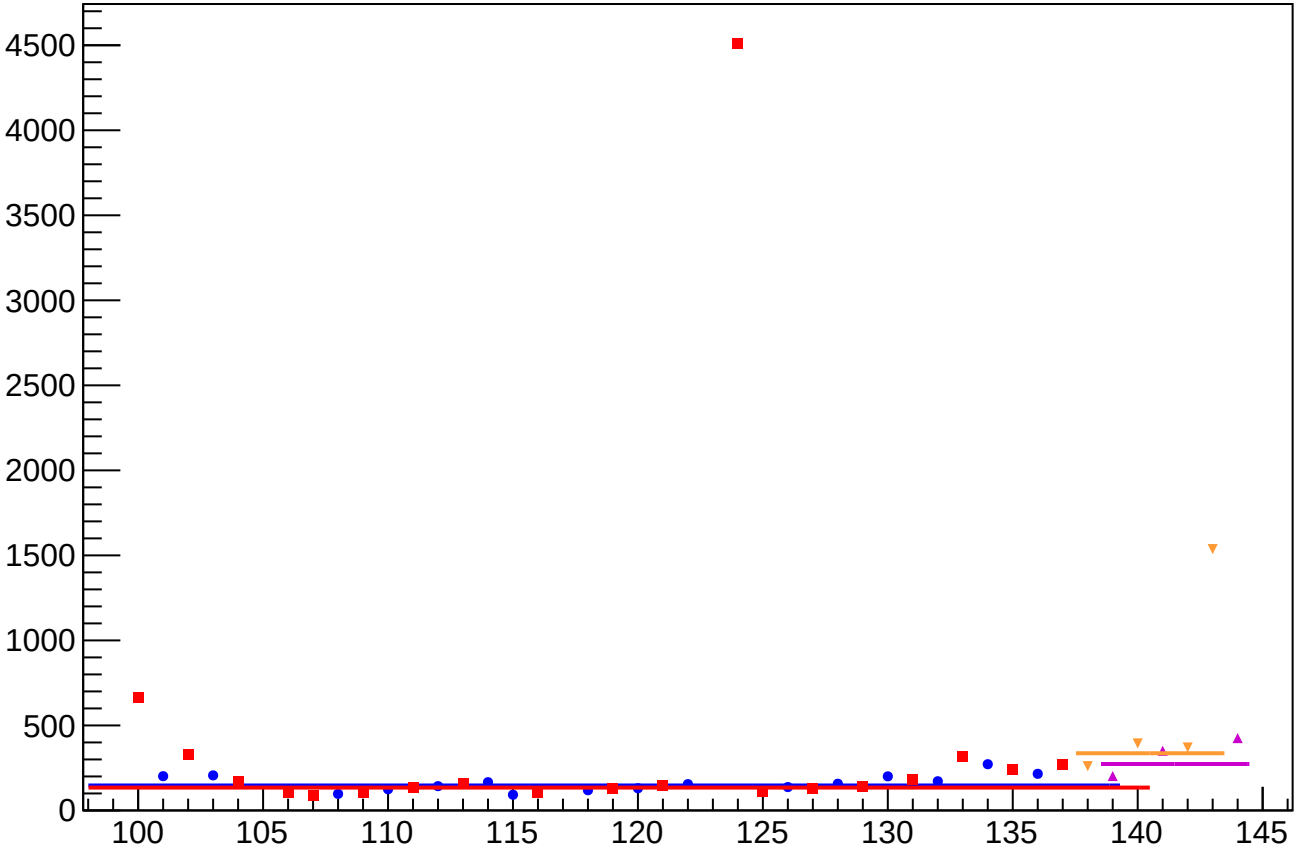
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

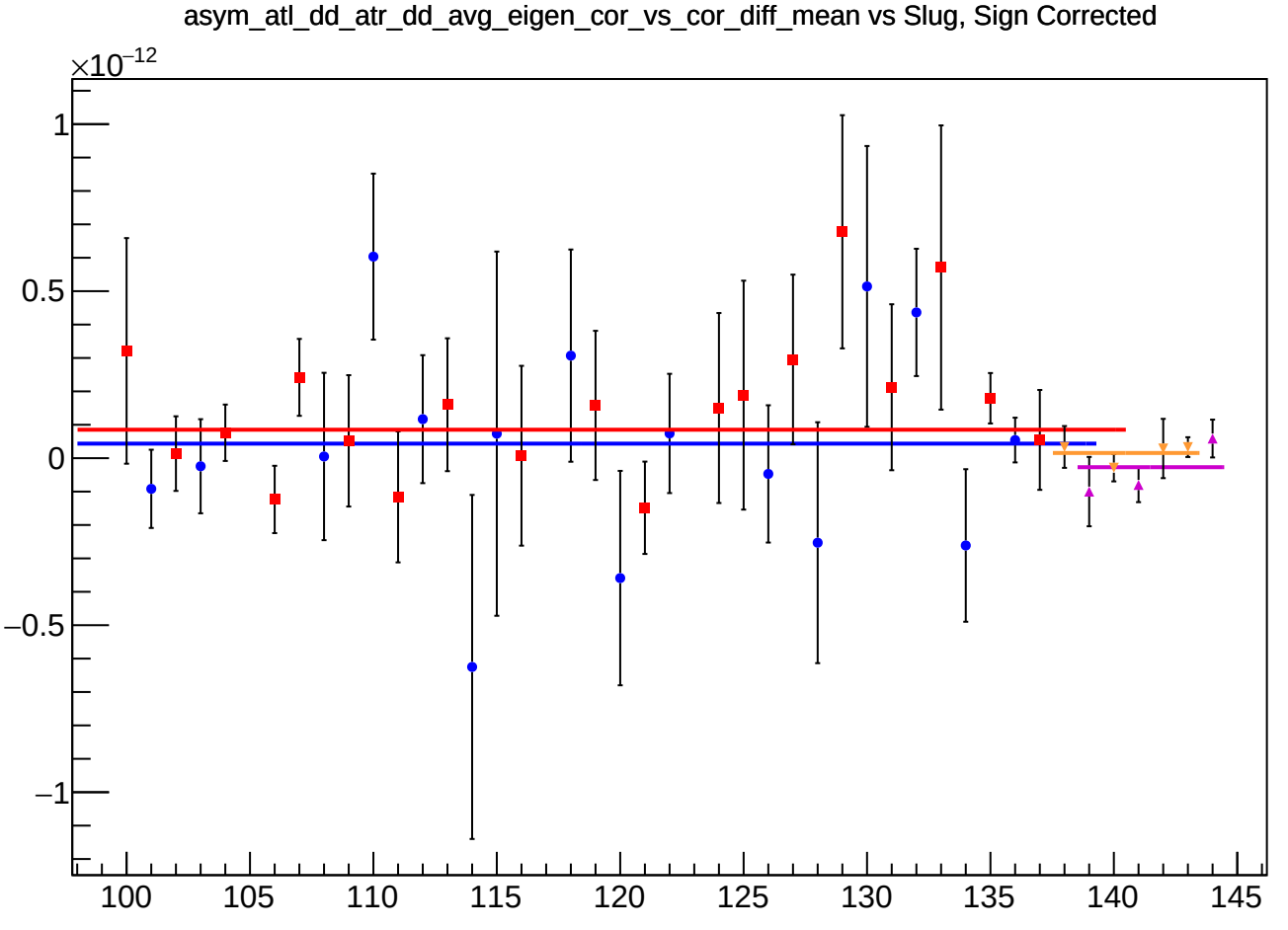
Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

Left: 0.000+/-0.000 χ^2/NDF: 6.5/6

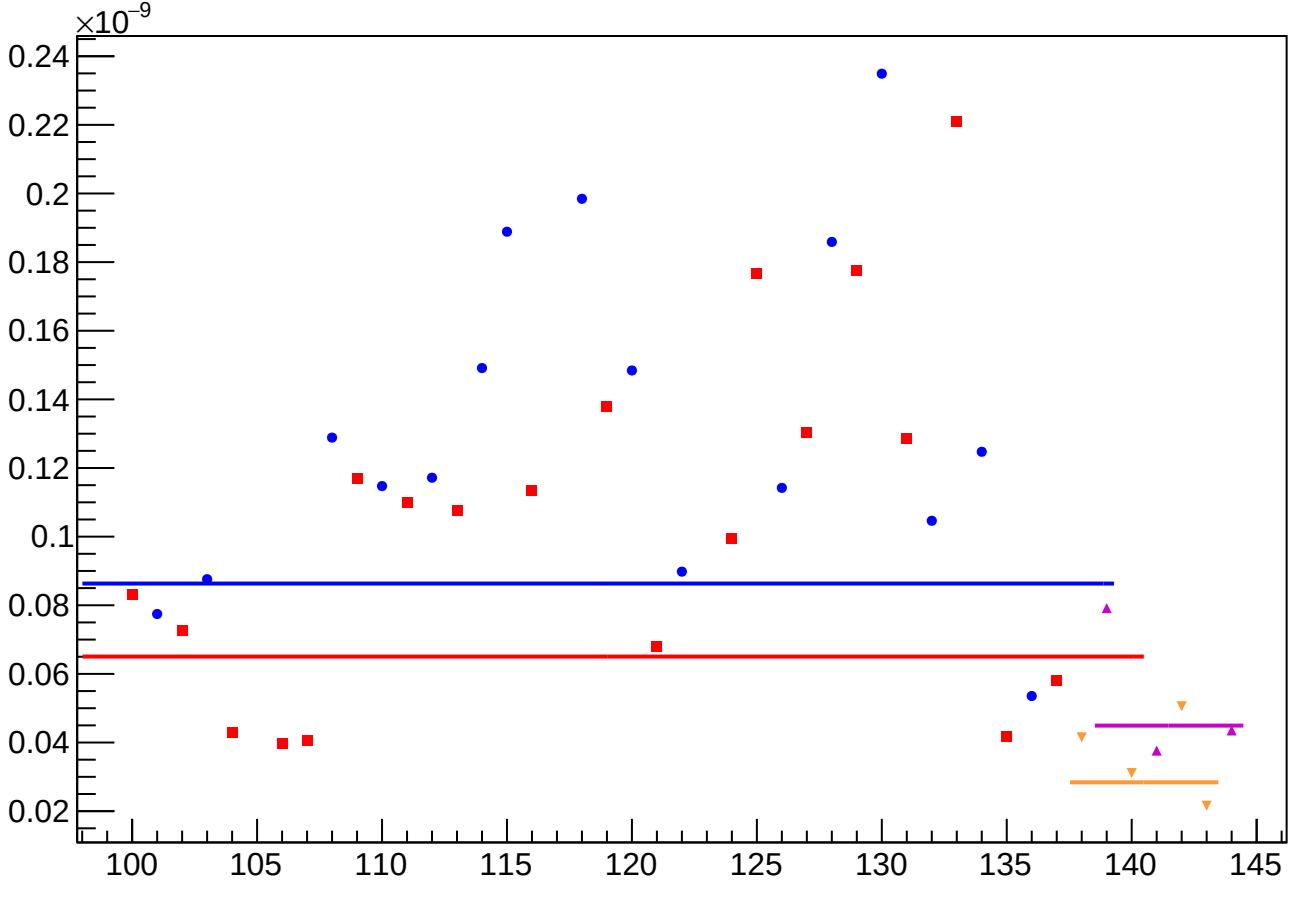
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 48.2/41

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:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:258662.8/2

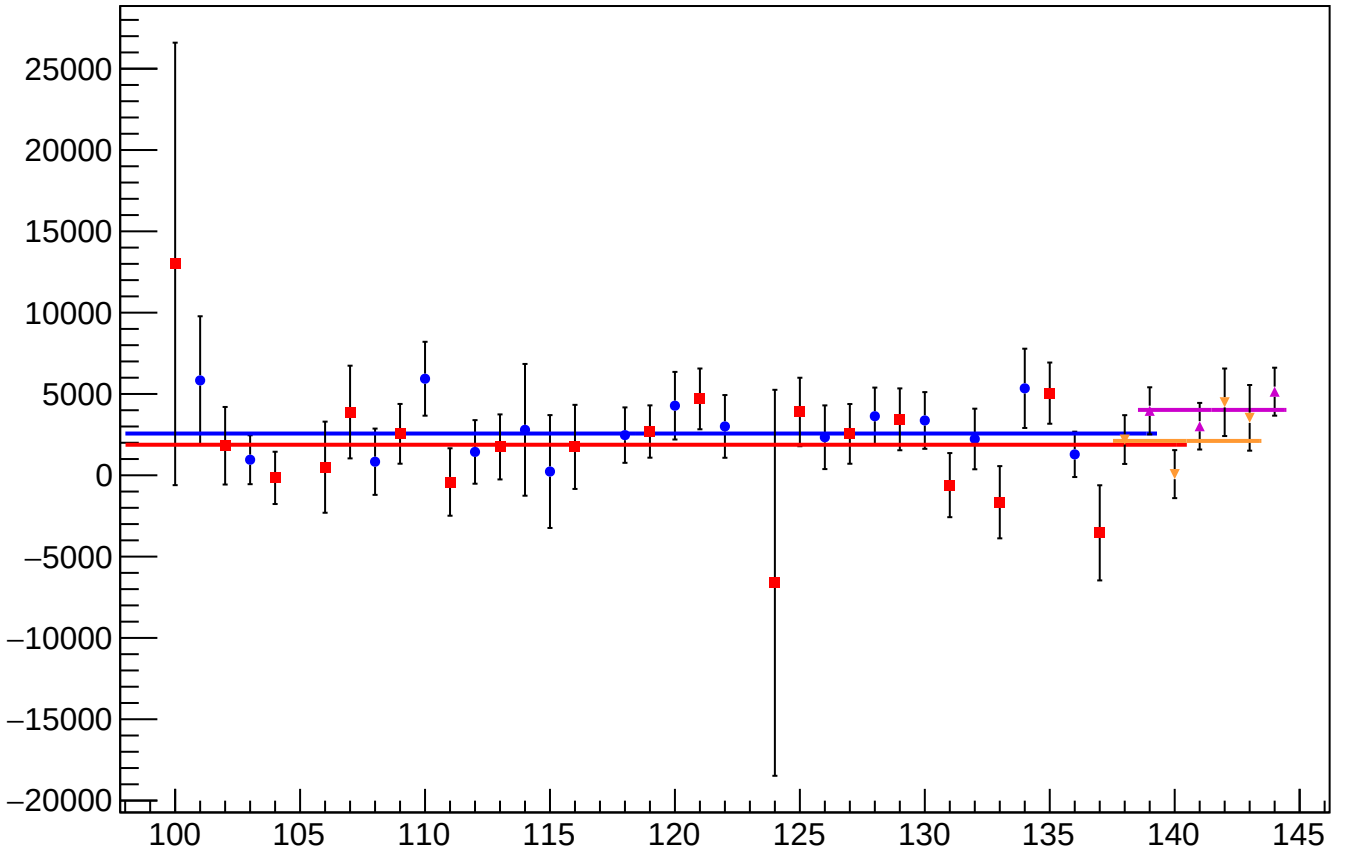
Left: 0.000+/-0.000 χ^2/NDF: 897412.9/6

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2927187.2/18

Out: 0.000+/-0.000 χ^2/NDF:4119634.2/22

All: 0.000+/-0.000 χ^2/NDF: 8023322.1/41



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.226+/-850.958 χ^2/NDF:3.7/3

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 4020.475+/-837.642 χ^2/NDF:1.1/2

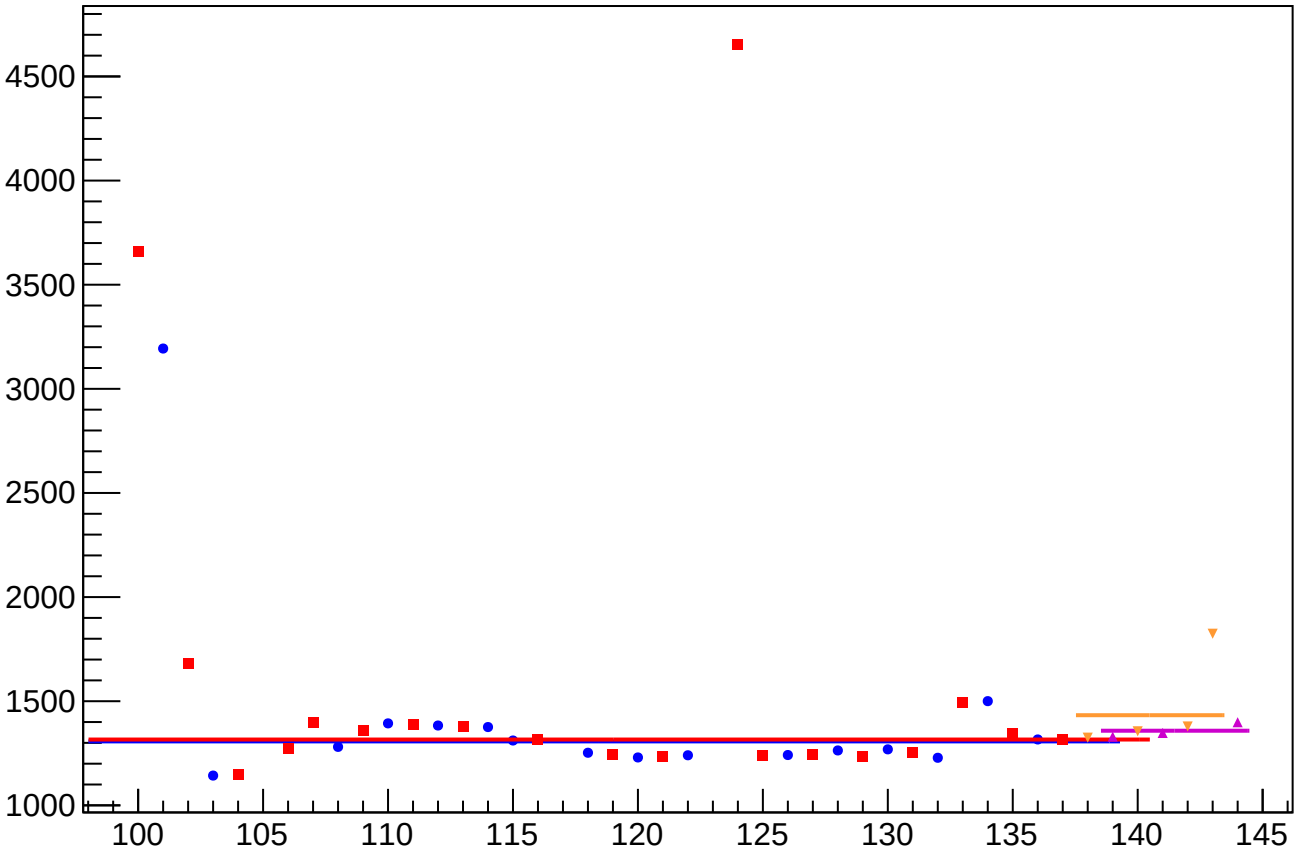
Left: 3081.890+/-596.954 χ^2/NDF: 7.3/6

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2943.952+/-426.384 χ^2/NDF:12.3/18

Out: 1937.442+/-427.693 χ^2/NDF:23.3/22

All: 2442.240+/-301.961 χ^2/NDF: 38.4/41



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

Left: 1394.949+/-0.422 χ^2/NDF: 102481.9/6

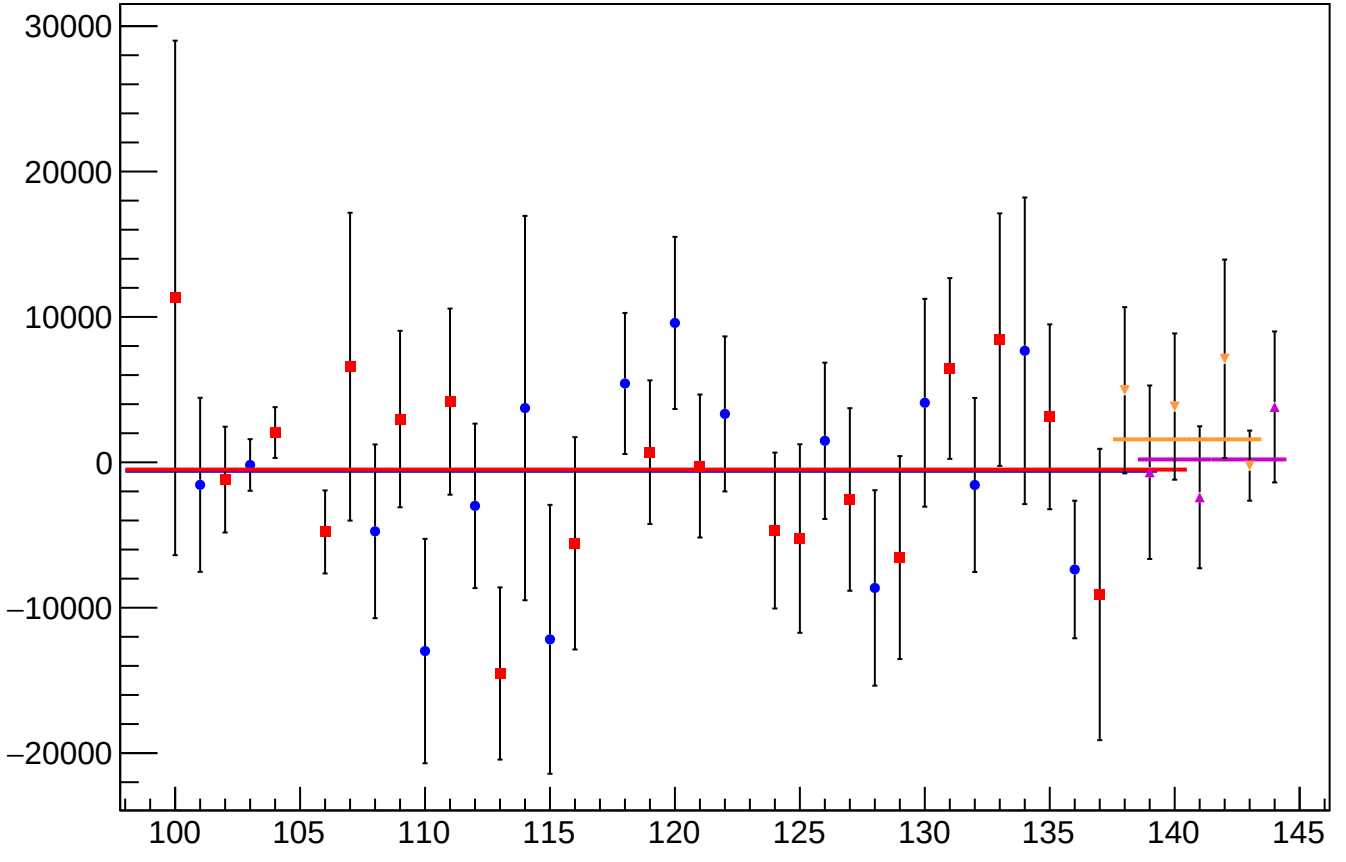
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1320.339+/-0.301 χ^2/NDF:524196.3/18

Out: 1345.382+/-0.302 χ^2/NDF:446902.8/22

All: 1332.847+/-0.213 χ^2/NDF: 974544.9/41

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: 1581.780+/-1947.495 χ^2/NDF:1.8/3

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 198.303+/-3054.906 χ^2/NDF:0.8/2

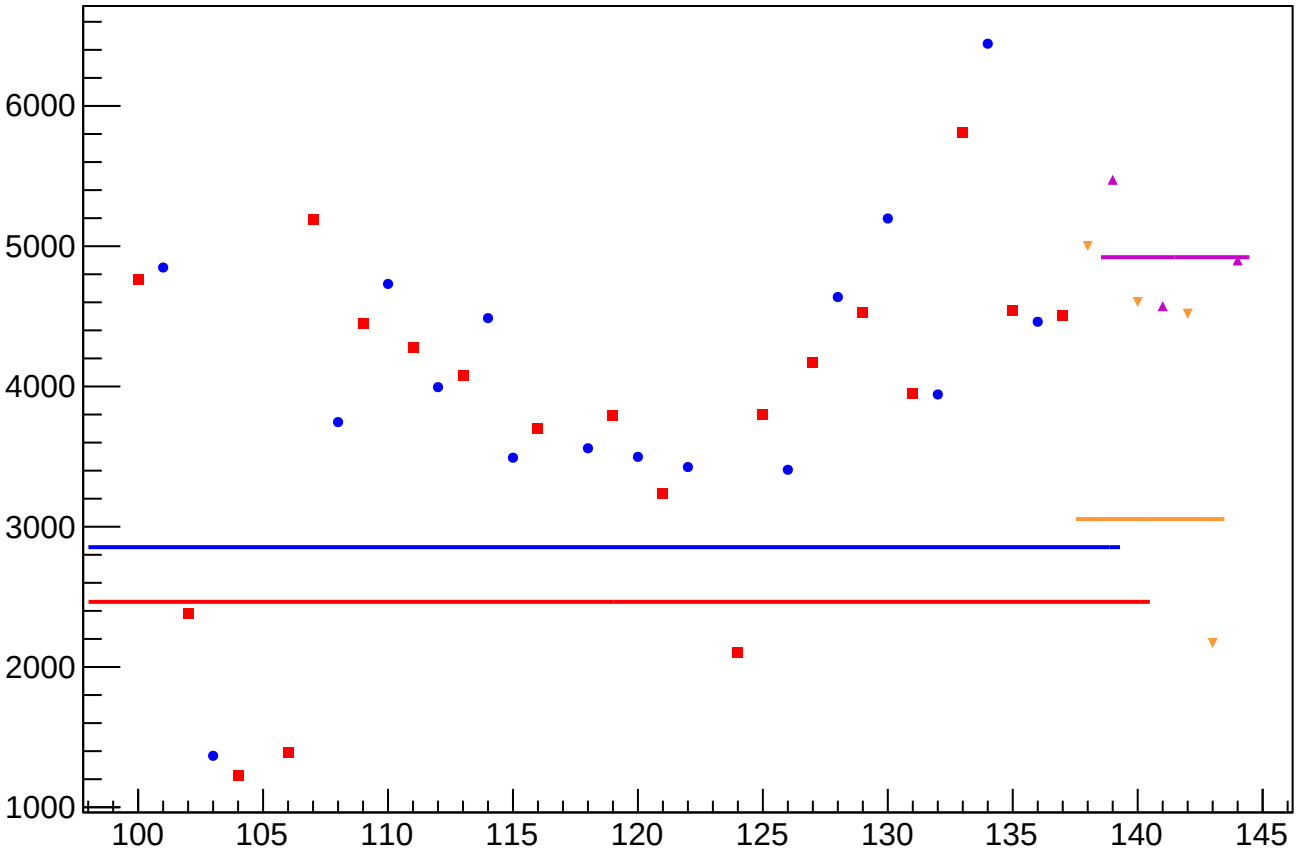
Left: 1182.001+/-1642.183 χ^2/NDF: 2.7/6

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -478.585+/-1111.157 χ^2/NDF:15.6/18

Out: -27.459+/-927.927 χ^2/NDF:20.4/22

All: -212.809+/-712.234 χ^2/NDF: 36.0/41



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3054.754+/-1.377 χ^2/NDF:782100.7/3

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4921.786+/-2.160 χ^2/NDF:27390.1/2

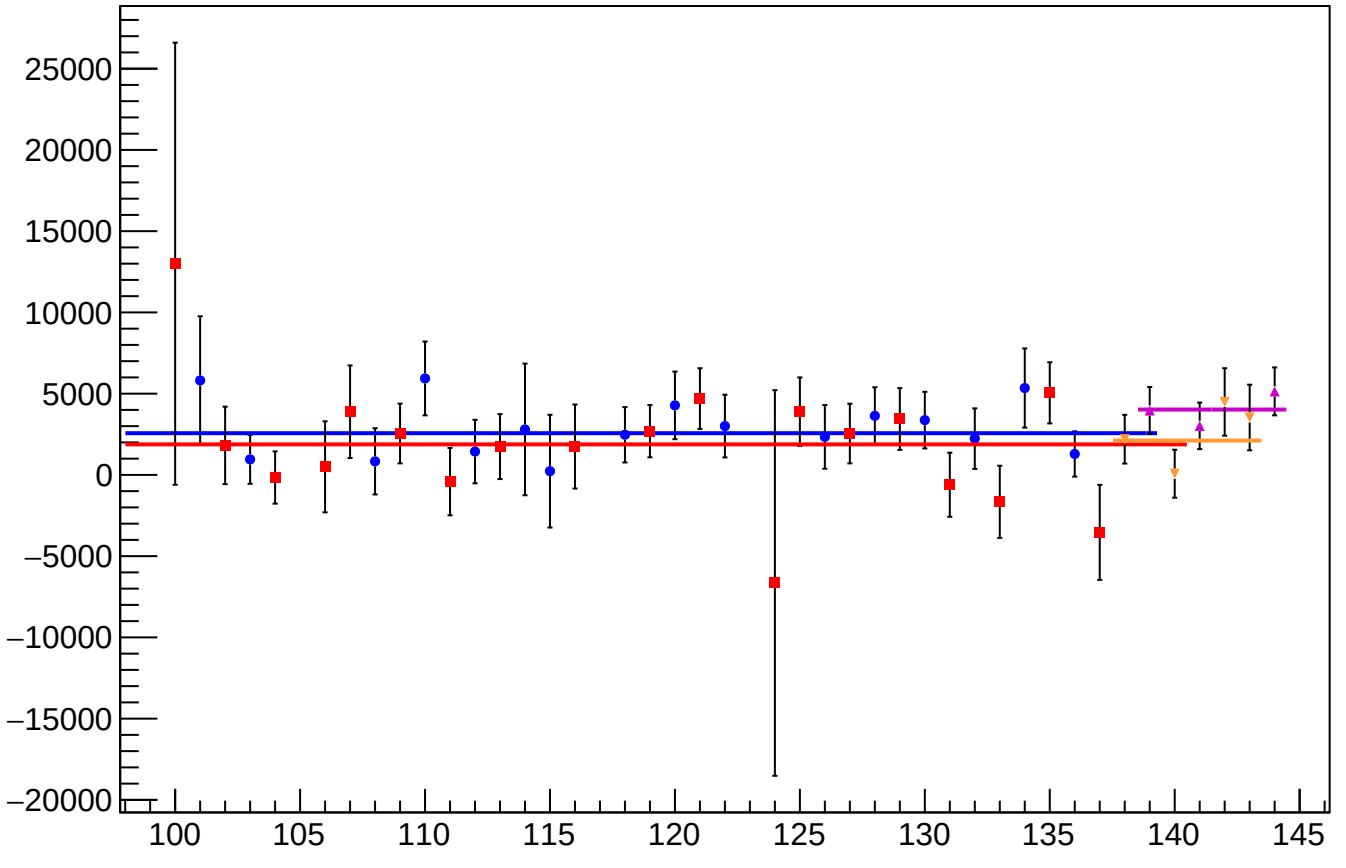
Left: 3594.263+/-1.161 χ^2/NDF: 1340654.3/6

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3127.825+/-0.786 χ^2/NDF:3727071.3/18

Out: 2598.575+/-0.656 χ^2/NDF:4280013.4/22

All: 2816.023+/-0.504 χ^2/NDF: 8274397.6/41



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 4020.746+/-837.642 χ^2/NDF:1.1/2

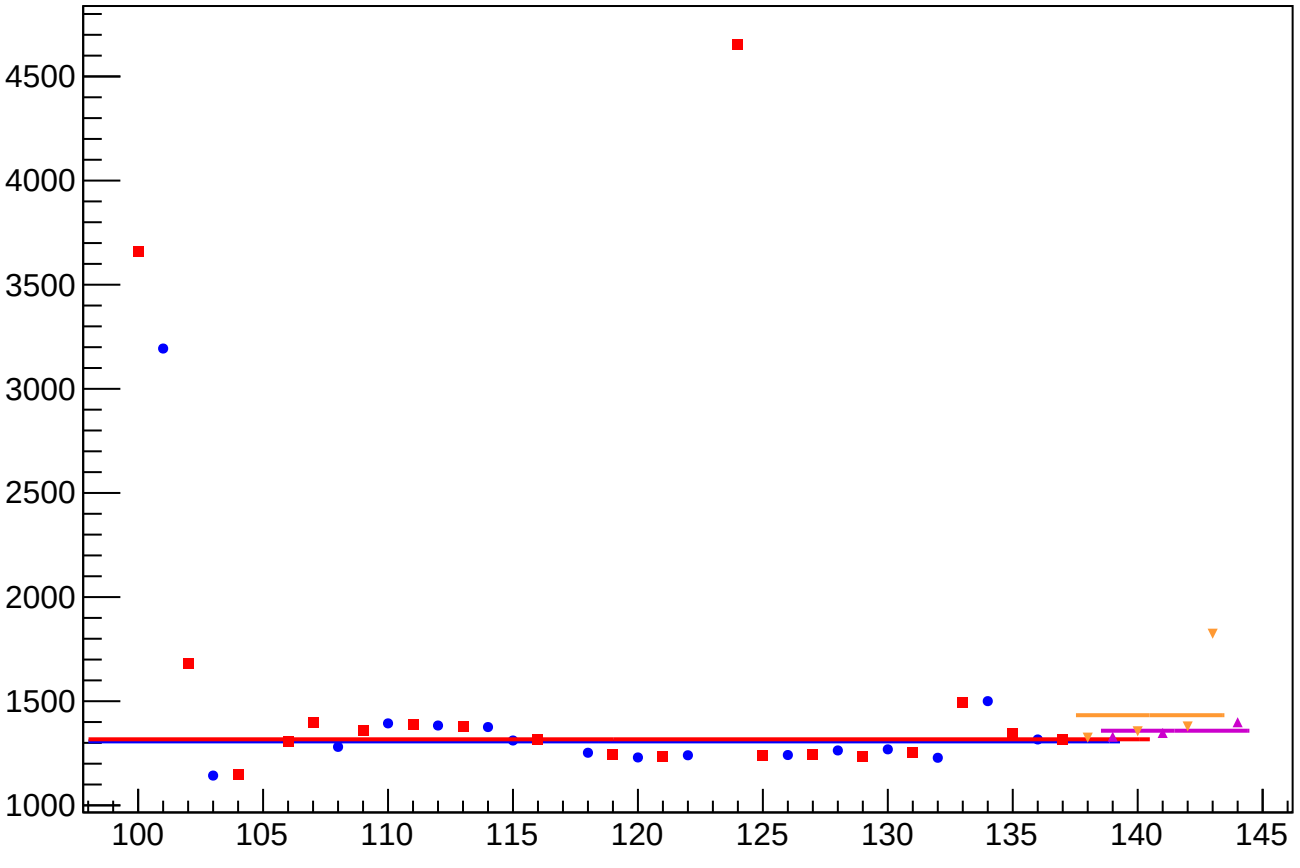
Left: 3082.066+/-596.954 χ^2/NDF: 7.3/6

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2943.815+/-426.384 χ^2/NDF:12.3/18

Out: 1937.271+/-427.694 χ^2/NDF:23.3/22

All: 2442.086+/-301.961 χ^2/NDF: 38.4/41



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

Left: 1394.949+/-0.422 χ^2/NDF: 102481.9/6

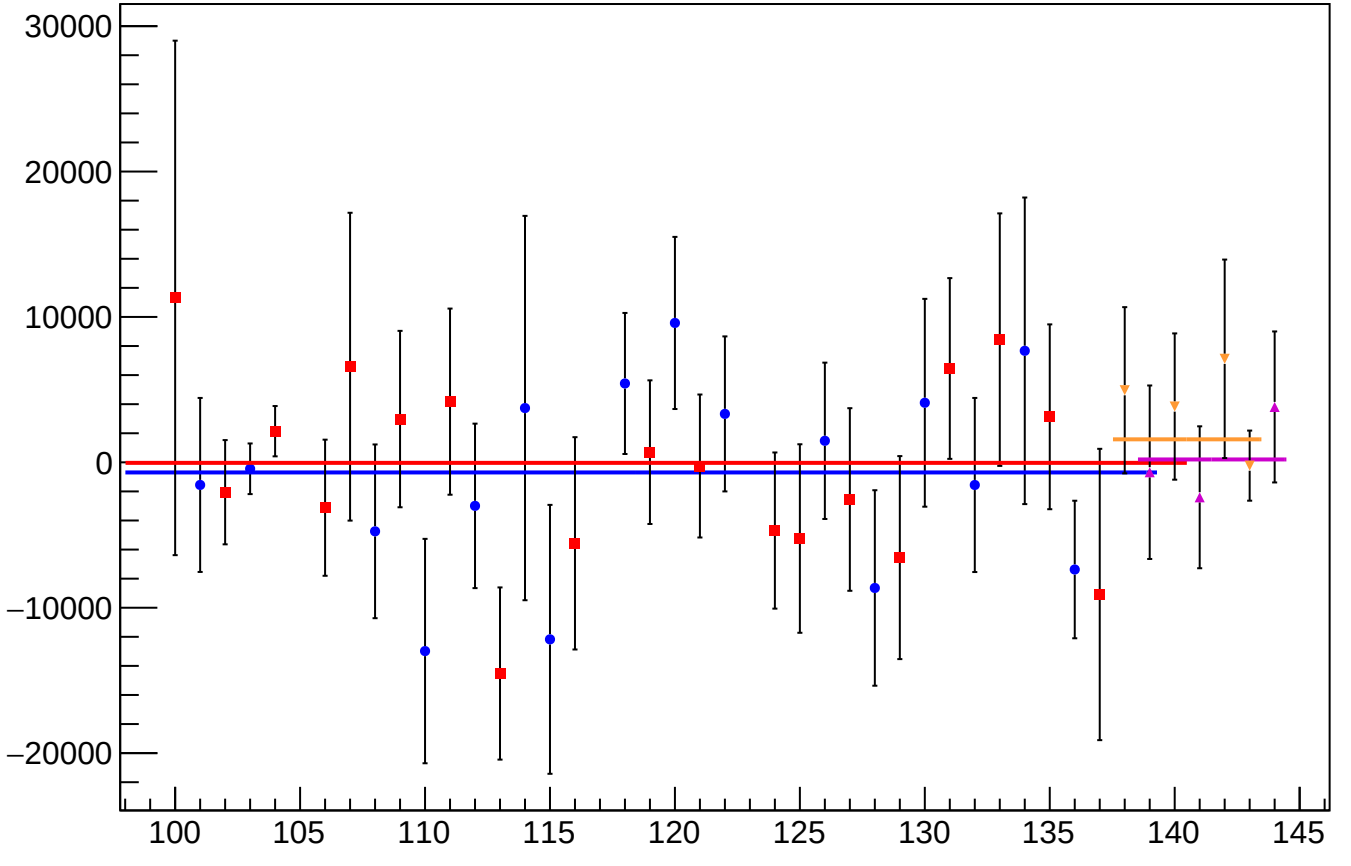
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1320.339+/-0.301 χ^2/NDF:524197.9/18

Out: 1346.261+/-0.302 χ^2/NDF:445856.0/22

All: 1333.279+/-0.213 χ^2/NDF: 973743.8/41

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: 1581.826+/-1947.477 χ^2/NDF:1.8/3

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 198.363+/-3054.906 χ^2/NDF:0.8/2

Left: 1182.057+/-1642.172 χ^2/NDF: 2.7/6

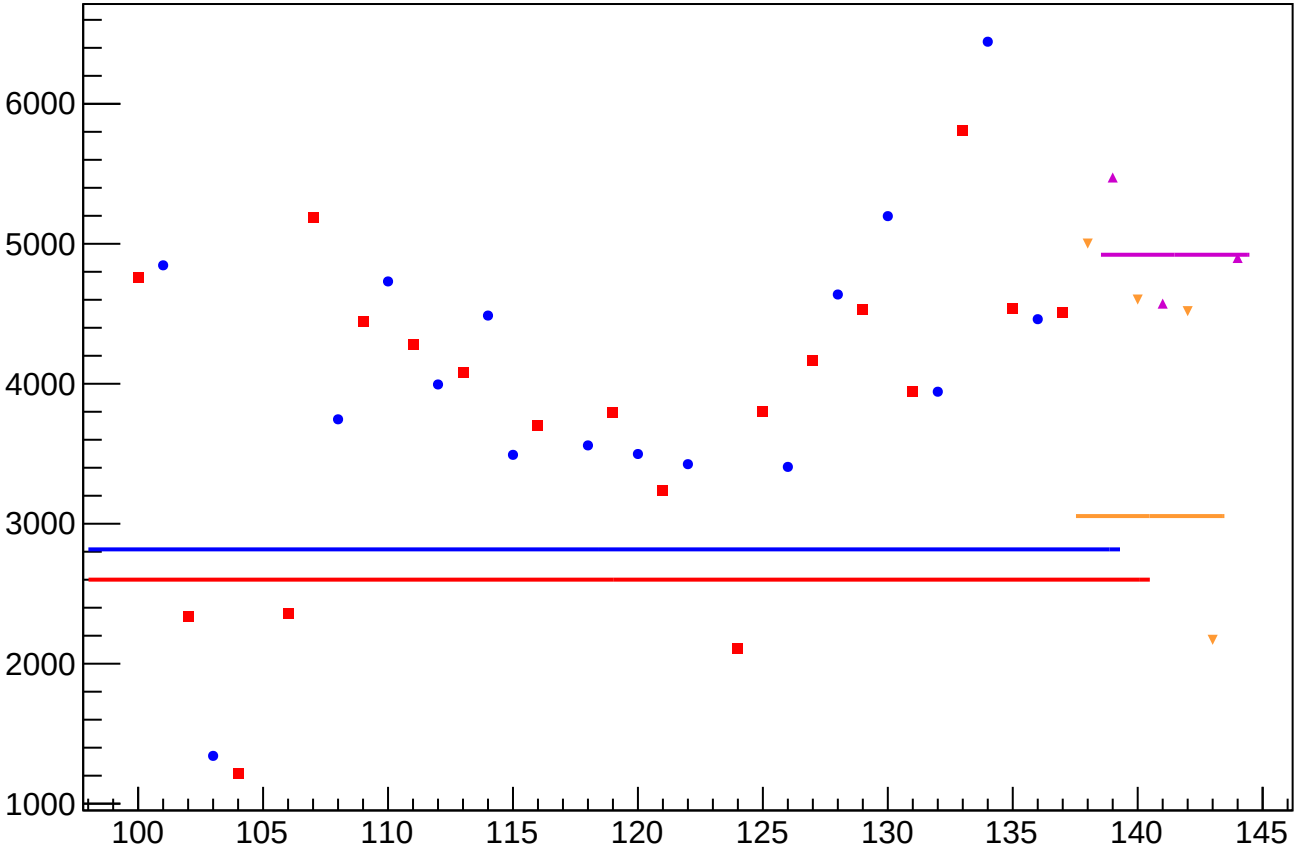
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -578.816+/-1102.713 χ^2/NDF:15.5/18

Out: 354.251+/-956.592 χ^2/NDF:18.2/22

All: -46.407+/-722.592 χ^2/NDF: 34.2/41

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4921.785+/-2.160 χ^2/NDF:27390.9/2

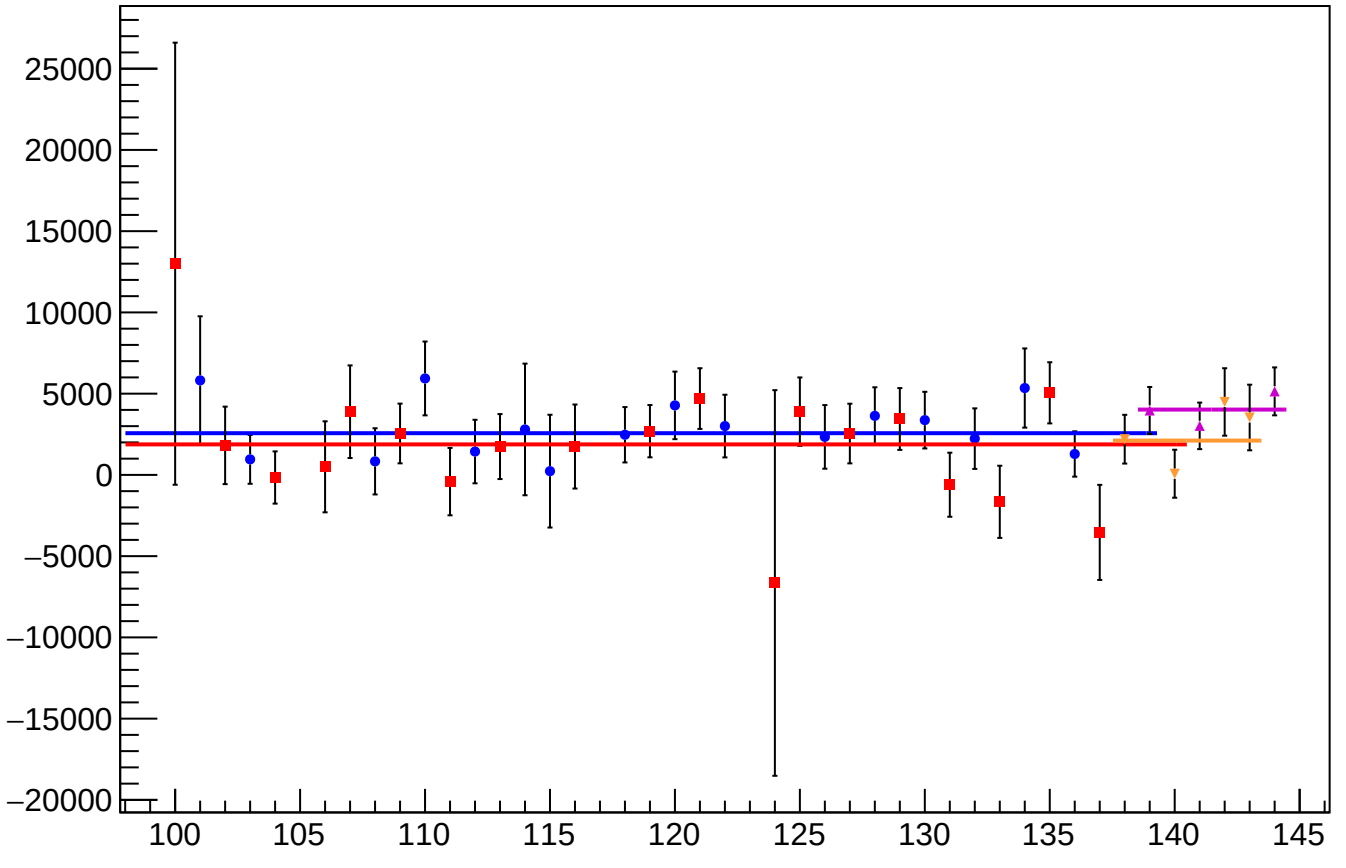
Left: 3594.231+/-1.161 χ^2/NDF: 1340698.0/6

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3091.056+/-0.780 χ^2/NDF:3860829.1/18

Out: 2710.109+/-0.676 χ^2/NDF:3945431.8/22

All: 2873.687+/-0.511 χ^2/NDF: 7942457.2/41



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 4020.746+/-837.642 χ^2/NDF:1.1/2

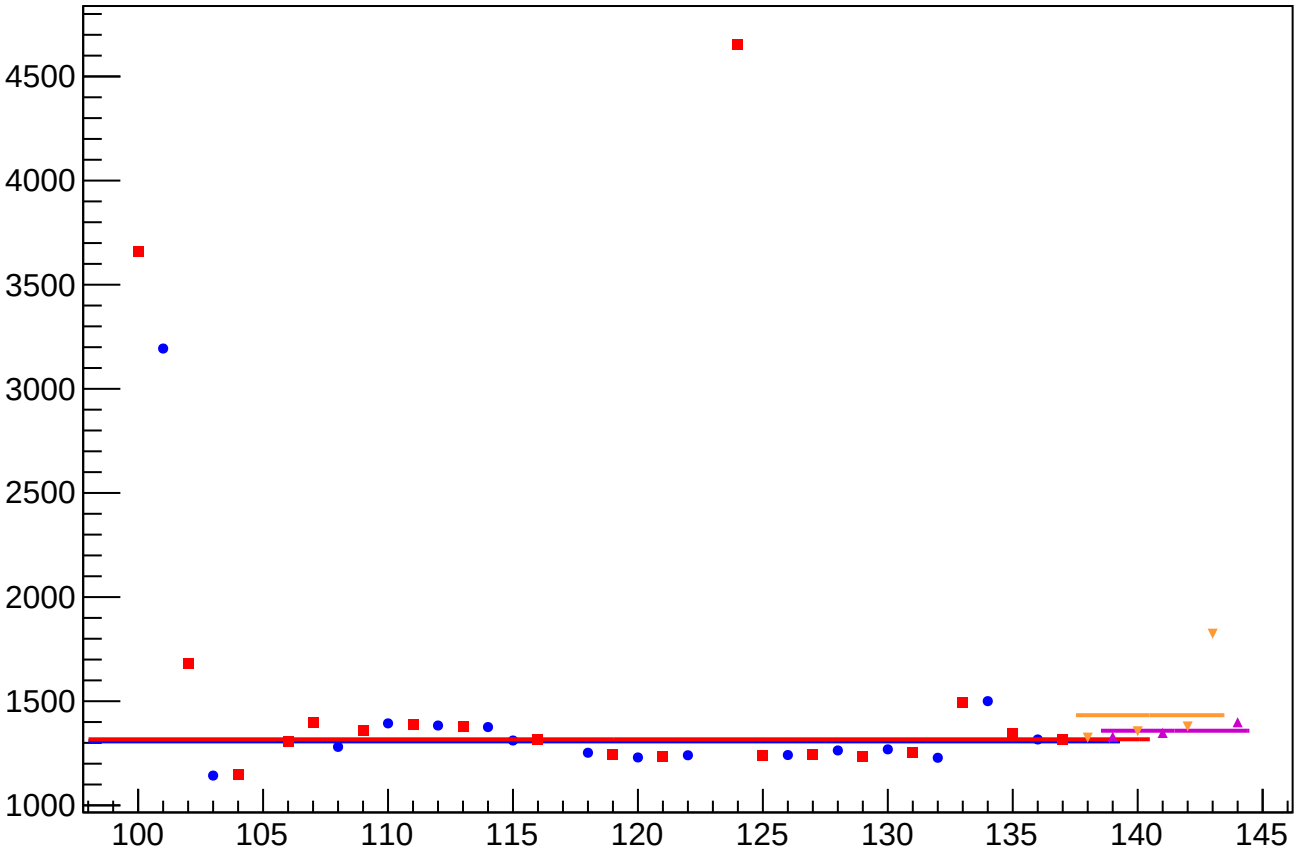
Left: 3082.066+/-596.954 χ^2/NDF: 7.3/6

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2943.815+/-426.384 χ^2/NDF:12.3/18

Out: 1937.271+/-427.694 χ^2/NDF:23.3/22

All: 2442.086+/-301.961 χ^2/NDF: 38.4/41



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1358.287+/-0.592 χ^2/NDF:2407.0/2

Left: 1394.949+/-0.422 χ^2/NDF: 102481.9/6

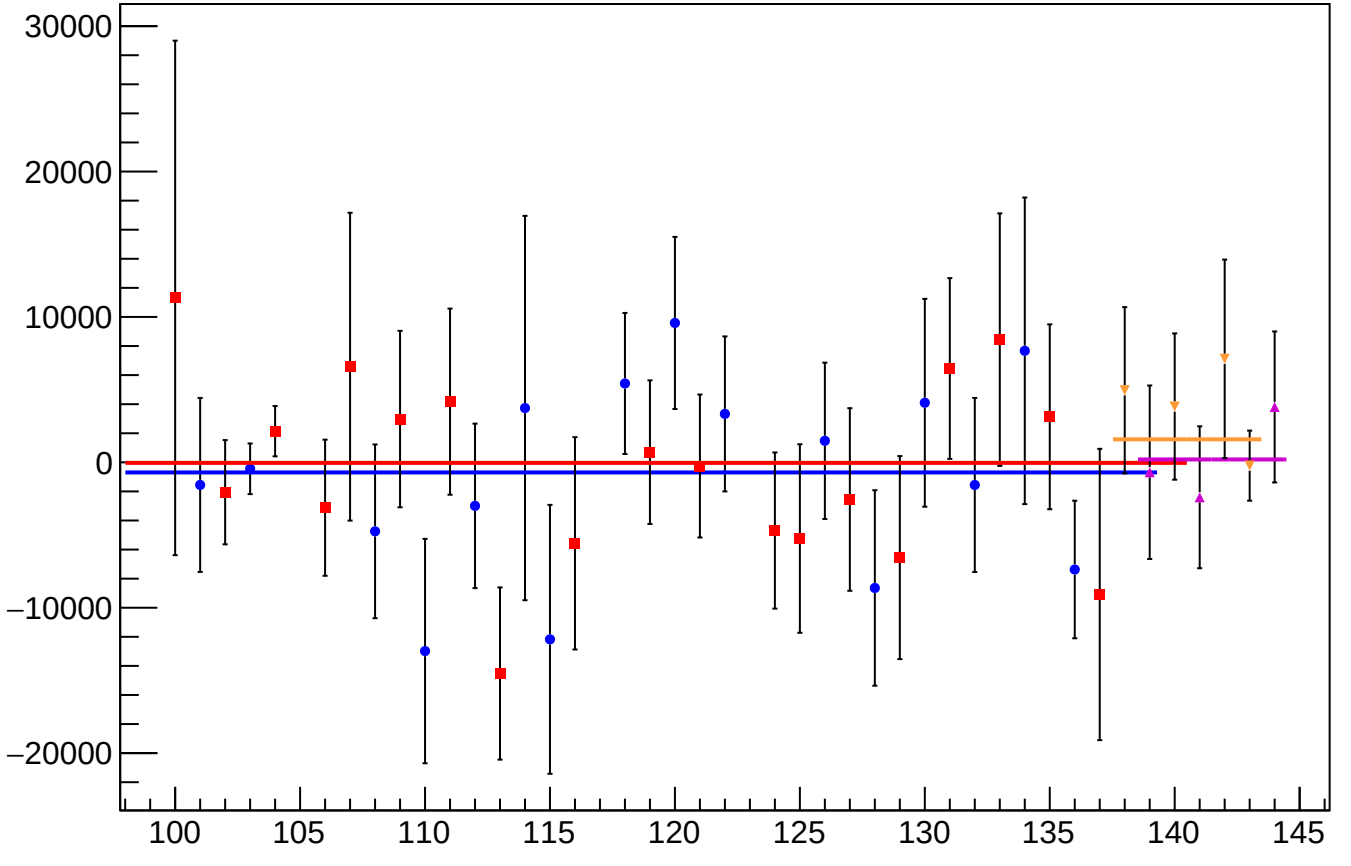
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1320.339+/-0.301 χ^2/NDF:524197.9/18

Out: 1346.261+/-0.302 χ^2/NDF:445856.0/22

All: 1333.279+/-0.213 χ^2/NDF: 973743.8/41

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: 1581.826+/-1947.477 χ^2/NDF:1.8/3

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 198.363+/-3054.906 χ^2/NDF:0.8/2

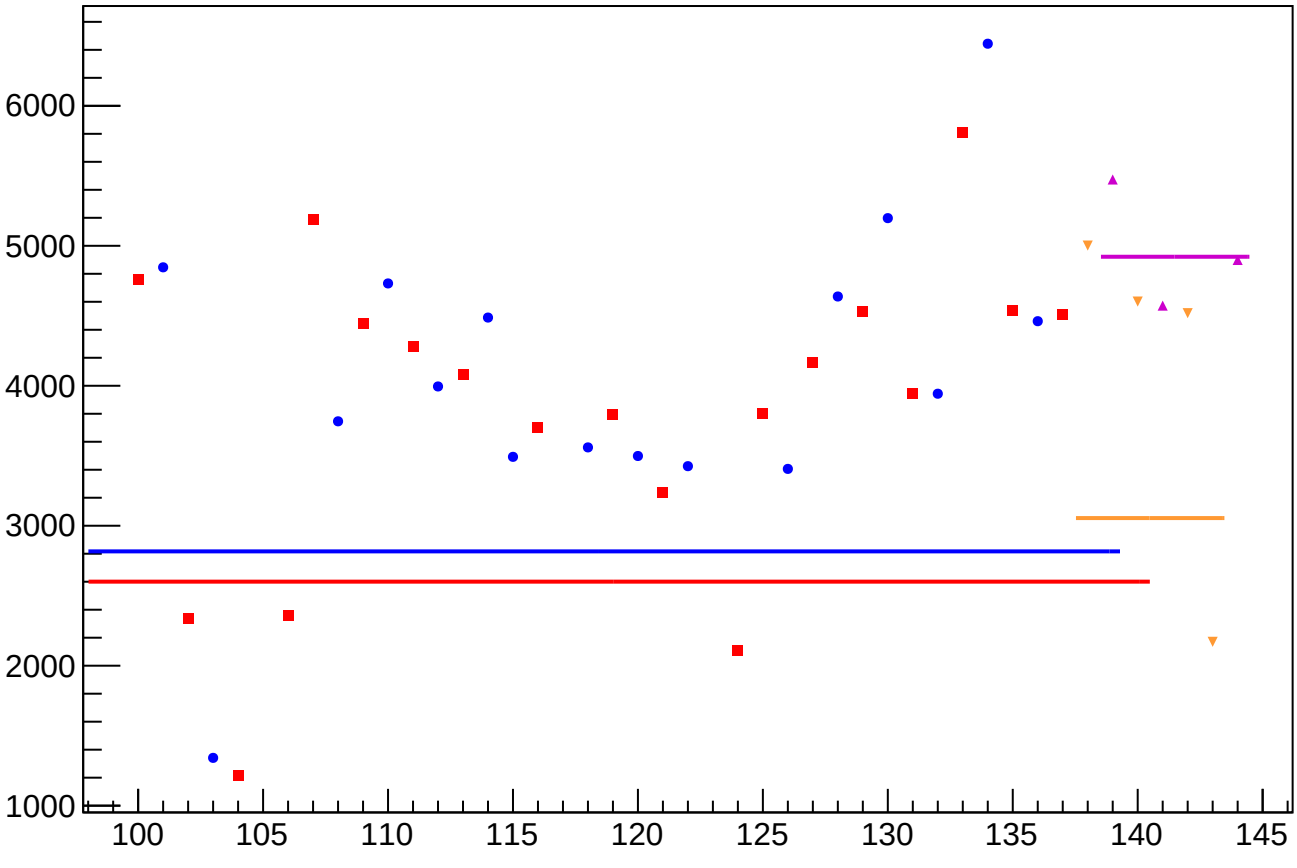
Left: 1182.057+/-1642.172 χ^2/NDF: 2.7/6

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -578.816+/-1102.713 χ^2/NDF:15.5/18

Out: 354.251+/-956.592 χ^2/NDF:18.2/22

All: -46.407+/-722.592 χ^2/NDF: 34.2/41



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4921.785+/-2.160 χ^2/NDF:27390.9/2

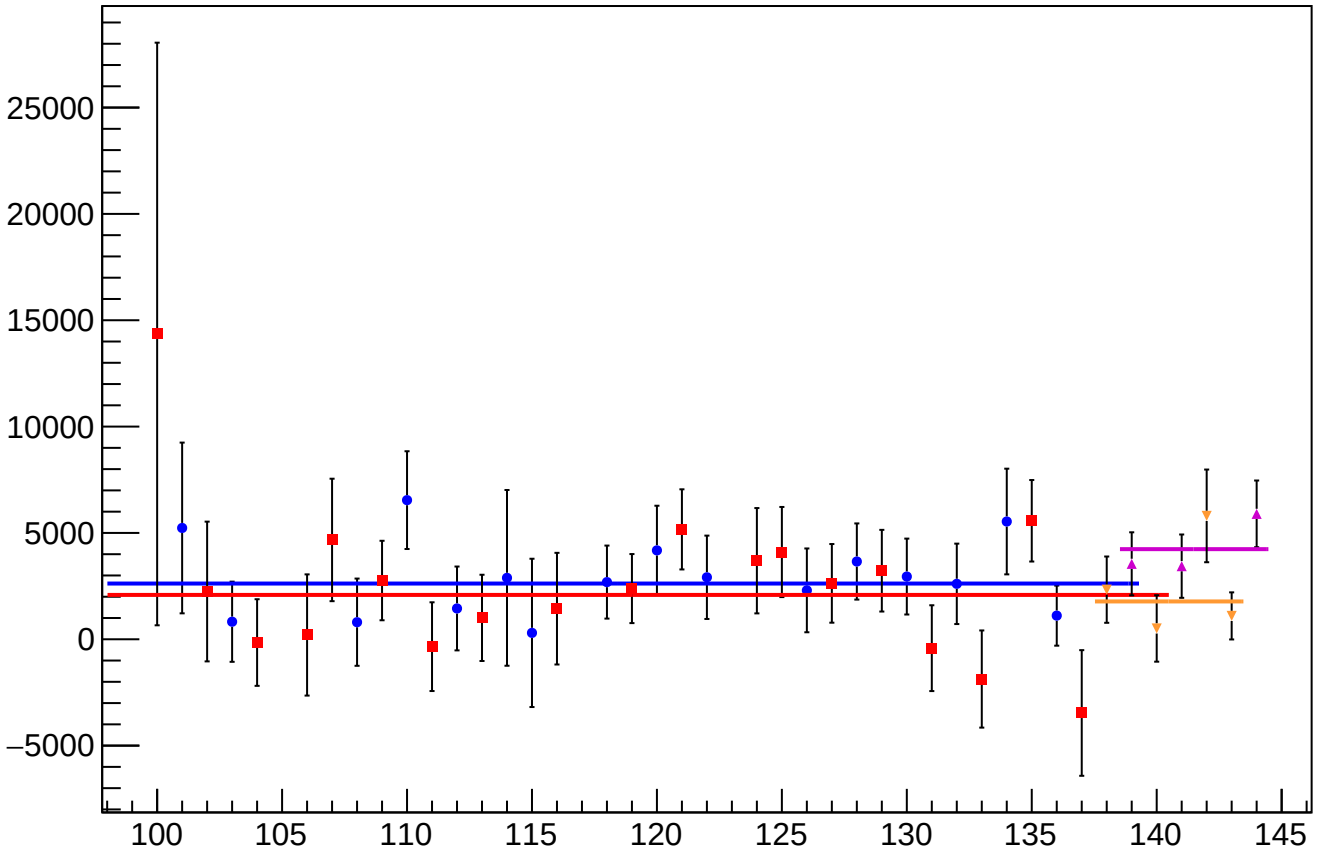
Left: 3594.231+/-1.161 χ^2/NDF: 1340698.0/6

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3091.056+/-0.780 χ^2/NDF:3860829.1/18

Out: 2710.109+/-0.676 χ^2/NDF:3945431.8/22

All: 2873.687+/-0.511 χ^2/NDF: 7942457.2/41



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.833+/-735.632 χ^2/NDF:4.6/3

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 4237.584+/-872.681 χ^2/NDF:1.6/2

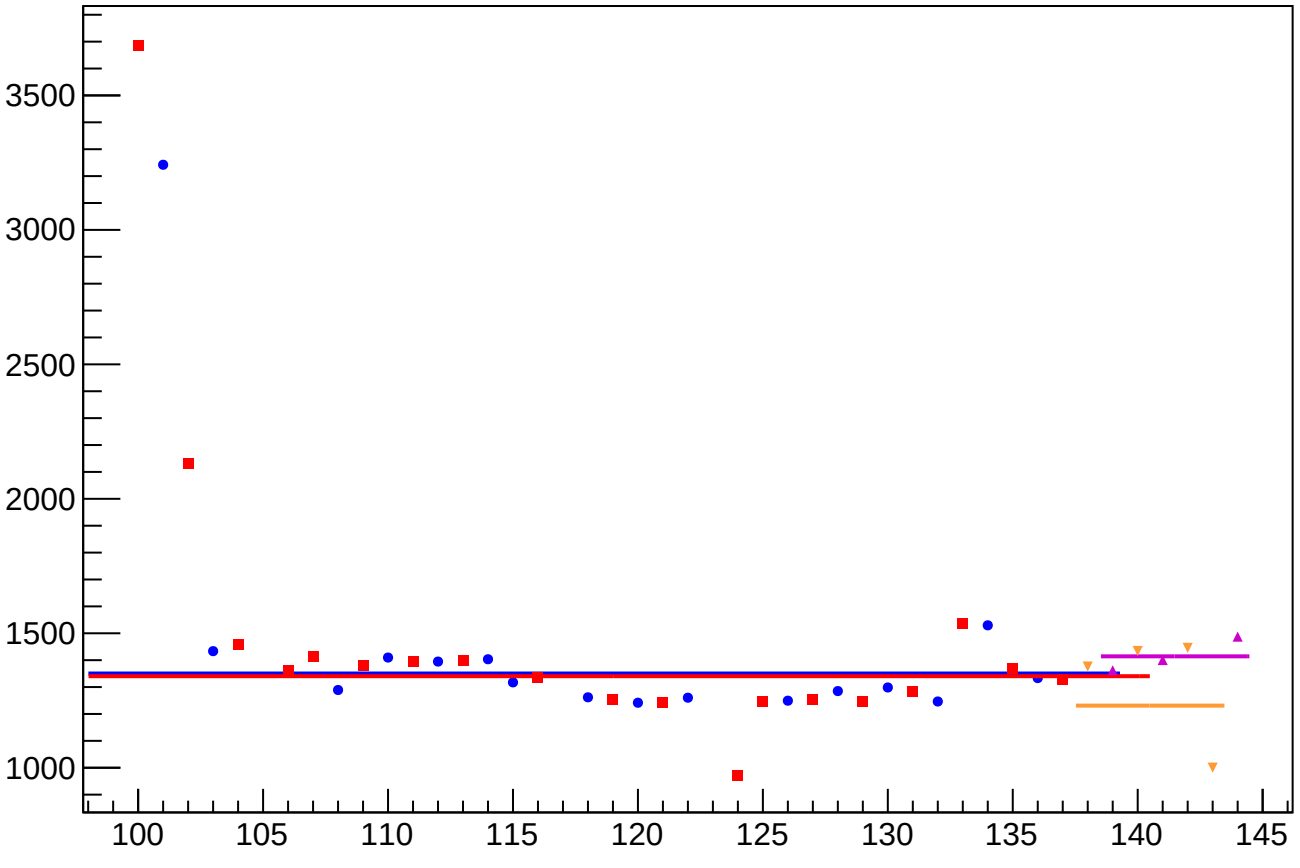
Left: 2800.201+/-562.457 χ^2/NDF: 10.8/6

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 3034.024+/-441.292 χ^2/NDF:13.5/18

Out: 1987.377+/-416.267 χ^2/NDF:25.6/22

All: 2480.184+/-302.806 χ^2/NDF: 42.1/41



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1231.050+/-0.520 χ^2/NDF:157453.6/3

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1414.247+/-0.617 χ^2/NDF:7002.9/2

Left: 1307.150+/-0.398 χ^2/NDF: 215980.7/6

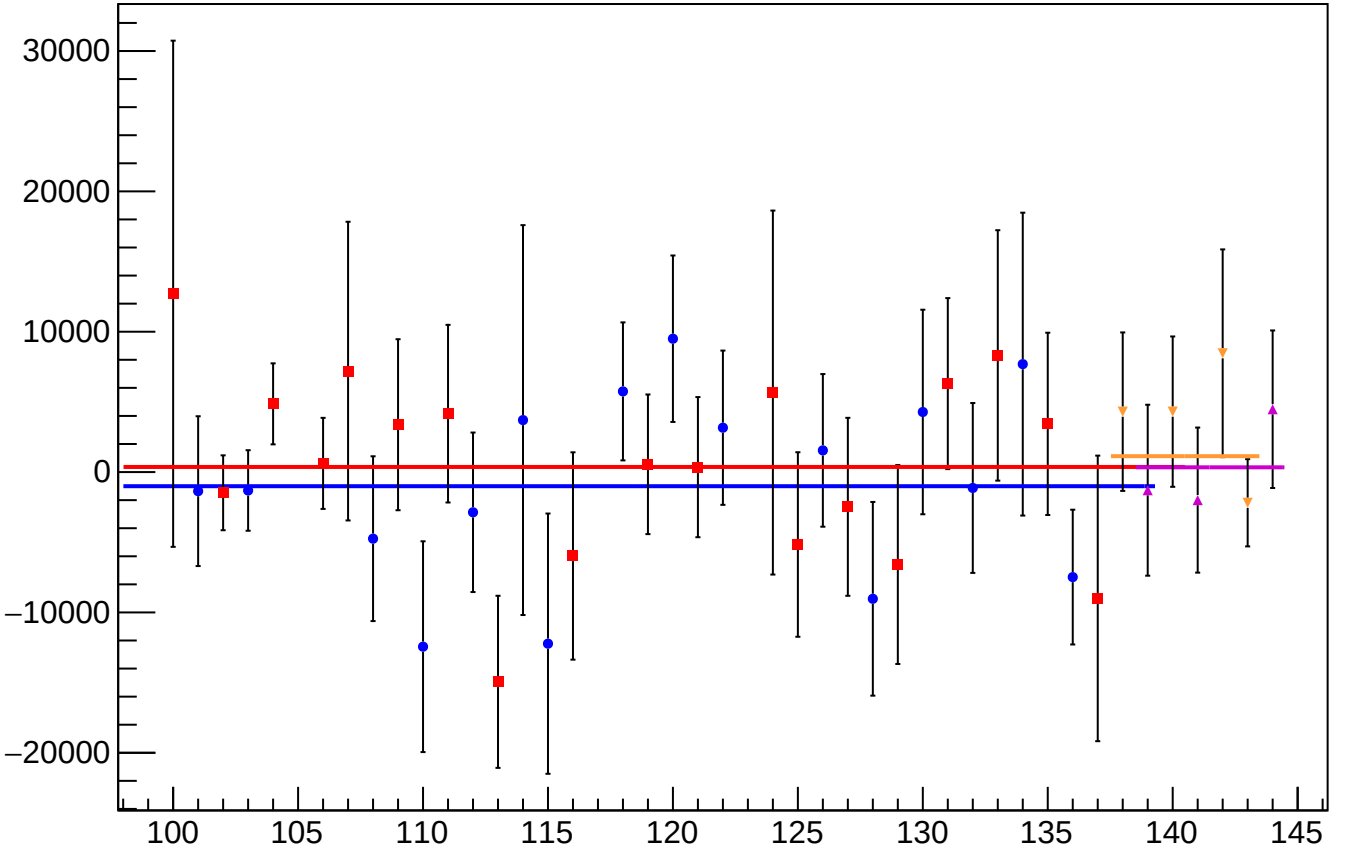
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1366.703+/-0.312 χ^2/NDF:509029.4/18

Out: 1305.435+/-0.294 χ^2/NDF:459706.7/22

All: 1334.270+/-0.214 χ^2/NDF: 989144.2/41

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1132.645+/-2305.861 χ^2/NDF:2.8/3

Right Out: 364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 338.516+/-3224.993 χ^2/NDF:0.8/2

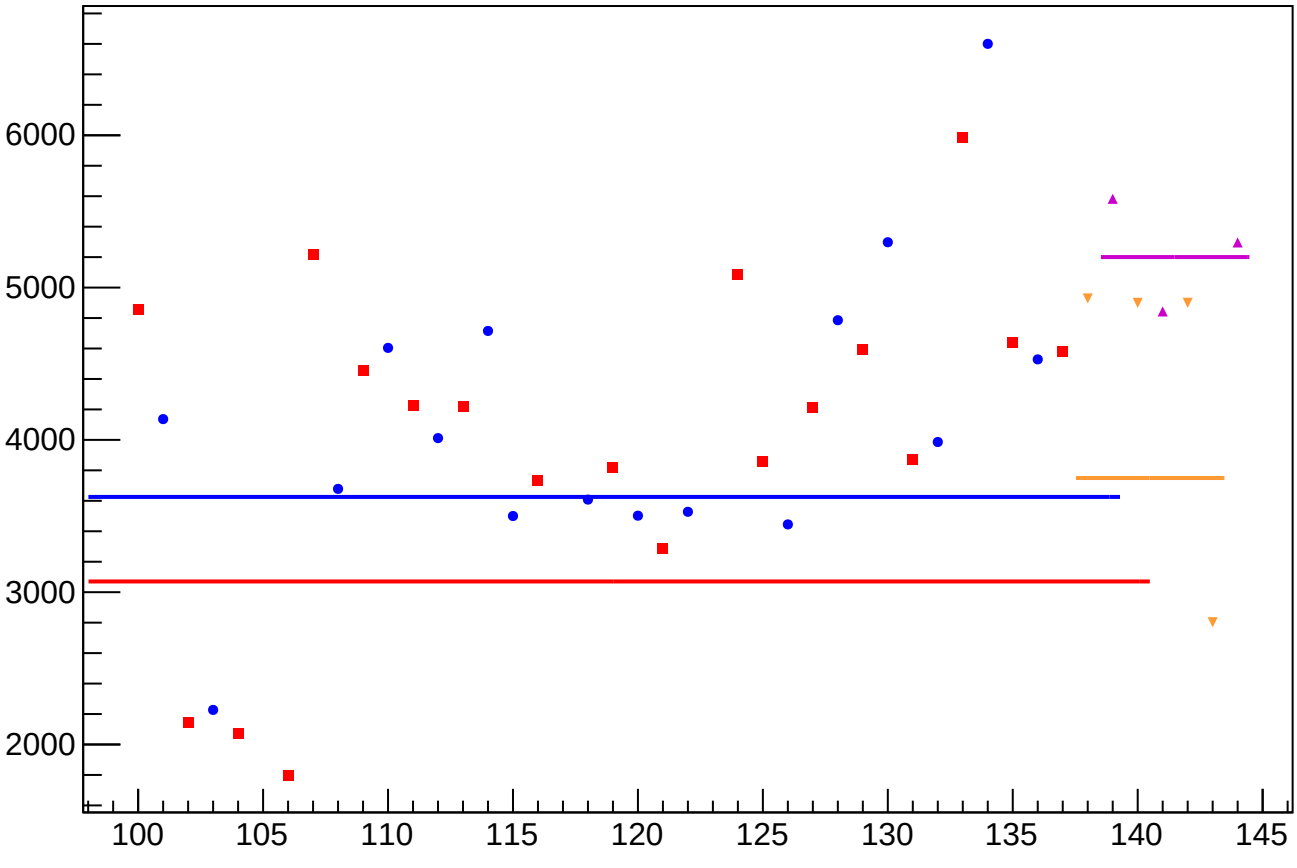
Left: 864.004+/-1875.725 χ^2/NDF: 3.7/6

Right: -215.533+/-913.430 χ^2/NDF: 31.4/34

In: -792.290+/-1287.652 χ^2/NDF:15.6/18

Out: 528.732+/-1066.223 χ^2/NDF:19.1/22

All: -8.600+/-821.230 χ^2/NDF: 35.3/41



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3749.640+/-1.630 χ^2/NDF:413474.0/3

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5200.424+/-2.280 χ^2/NDF:18015.5/2

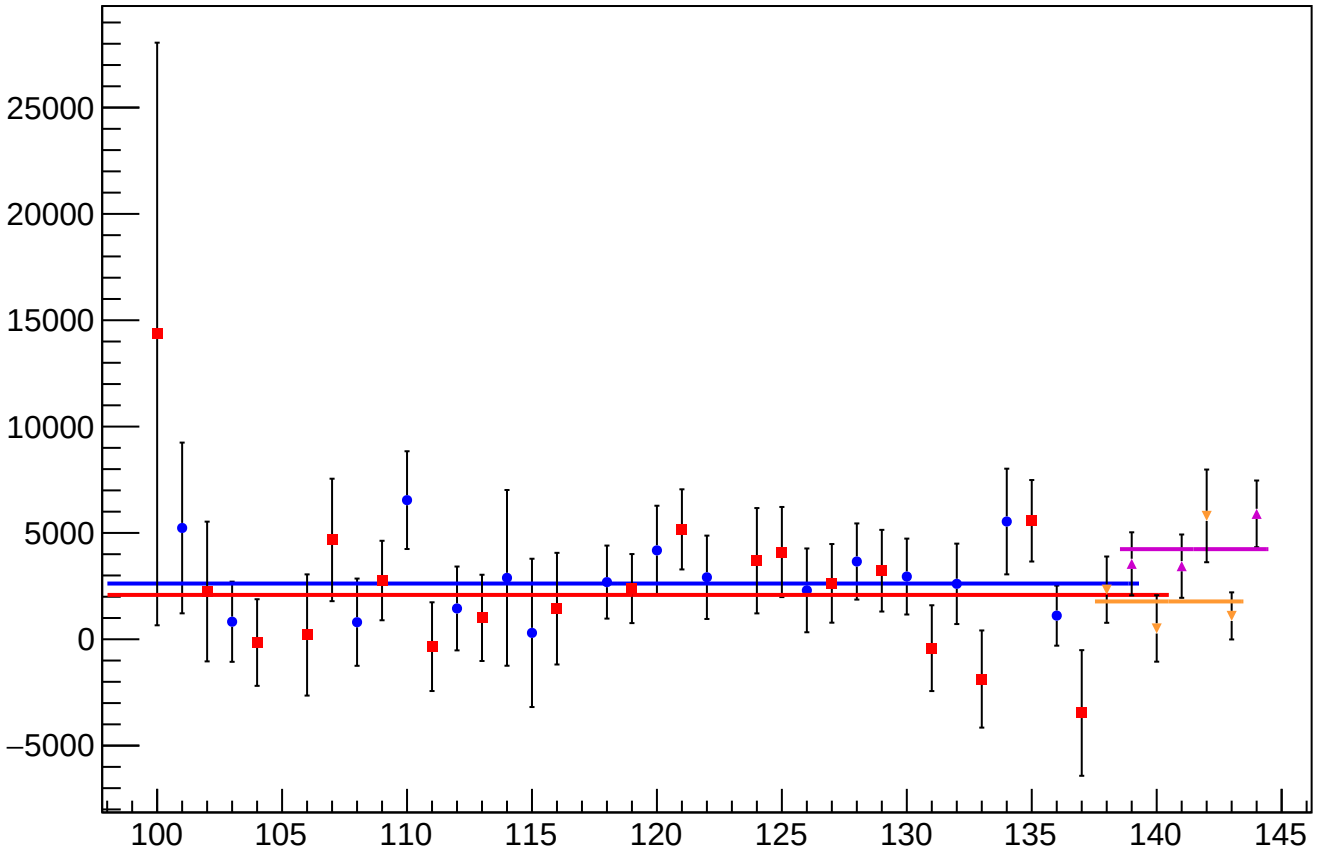
Left: 4240.416+/-1.326 χ^2/NDF: 699313.9/6

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3876.583+/-0.911 χ^2/NDF:1363847.6/18

Out: 3215.662+/-0.754 χ^2/NDF:2388554.8/22

All: 3484.495+/-0.581 χ^2/NDF: 4064985.5/41



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.834+/-735.632 χ^2/NDF:4.6/3

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 4237.577+/-872.682 χ^2/NDF:1.6/2

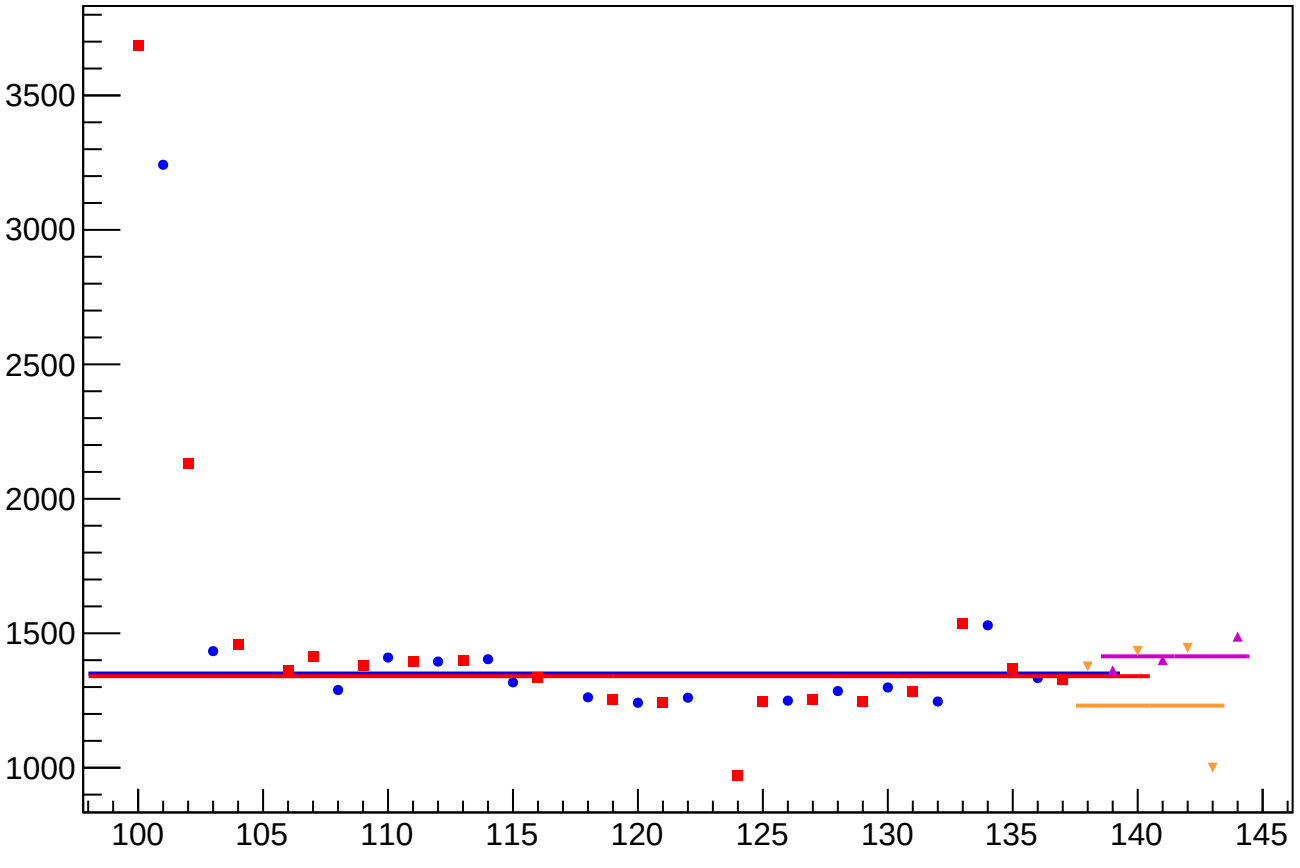
Left: 2800.199+/-562.458 χ^2/NDF: 10.8/6

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 3034.022+/-441.292 χ^2/NDF:13.5/18

Out: 1987.379+/-416.267 χ^2/NDF:25.6/22

All: 2480.184+/-302.806 χ^2/NDF: 42.1/41



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1231.051+/-0.520 χ^2/NDF:157453.4/3

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1414.248+/-0.617 χ^2/NDF:7003.0/2

Left: 1307.151+/-0.398 χ^2/NDF: 215980.8/6

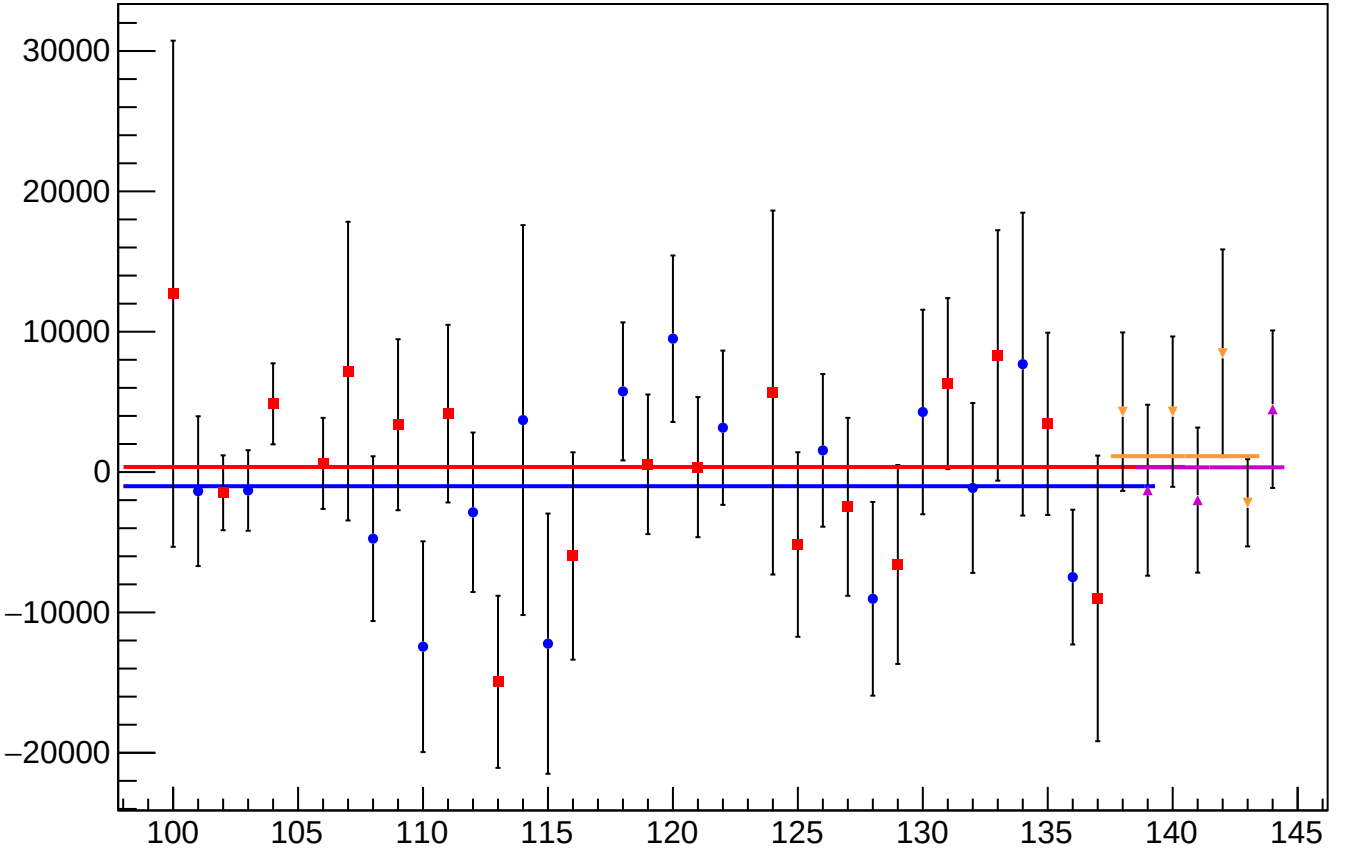
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1366.703+/-0.312 χ^2/NDF:509030.1/18

Out: 1305.435+/-0.294 χ^2/NDF:459704.8/22

All: 1334.270+/-0.214 χ^2/NDF: 989142.9/41

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1132.646+/-2305.865 χ^2/NDF:2.8/3

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 338.511+/-3224.998 χ^2/NDF:0.8/2

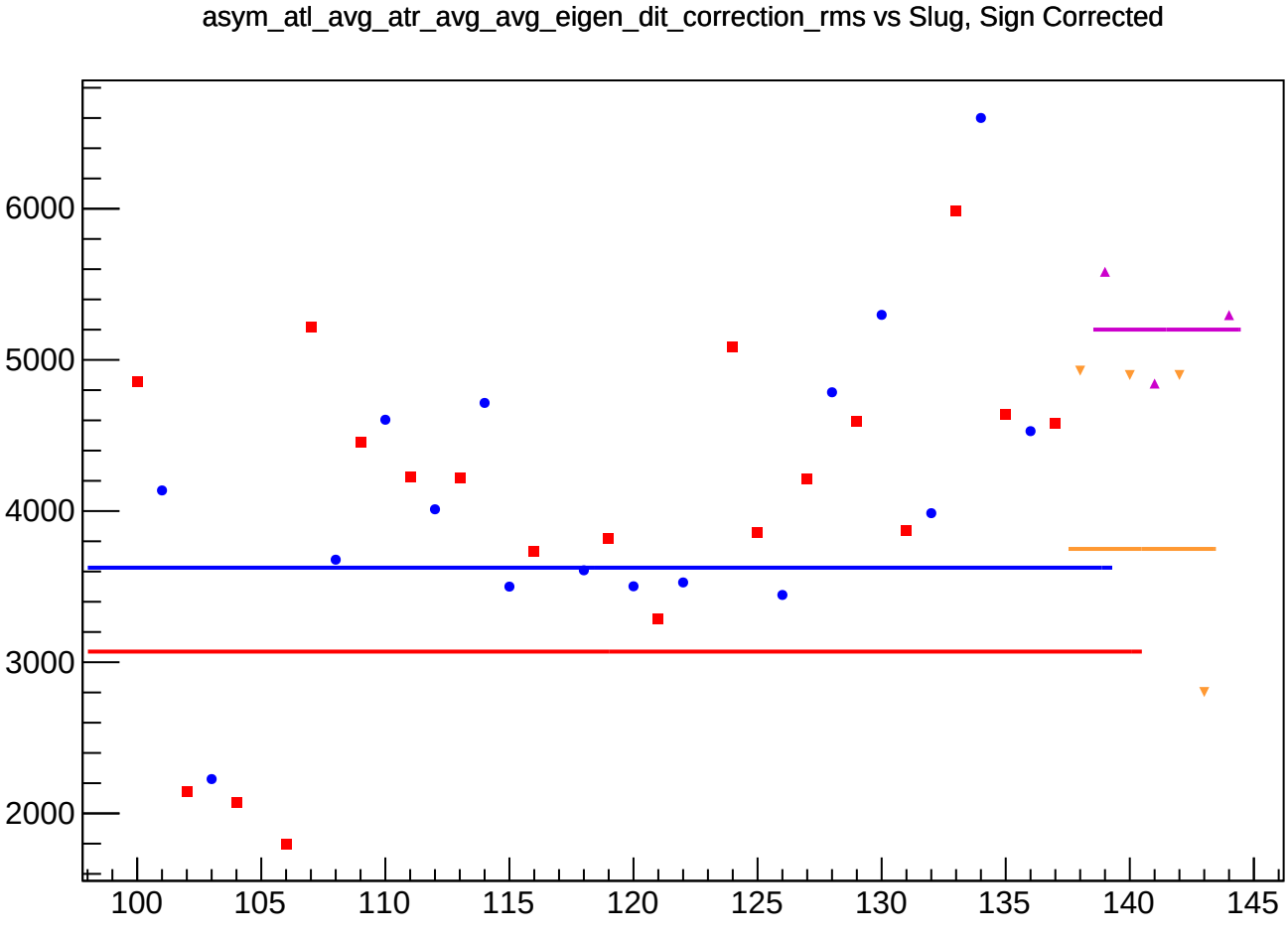
Left: 864.003+/-1875.728 χ^2/NDF: 3.7/6

Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -792.285+/-1287.650 χ^2/NDF:15.6/18

Out: 528.733+/-1066.221 χ^2/NDF:19.1/22

All: -8.598+/-821.229 χ^2/NDF: 35.3/41



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3749.647+/-1.630 χ^2/NDF:413473.6/3

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5200.433+/-2.280 χ^2/NDF:18015.9/2

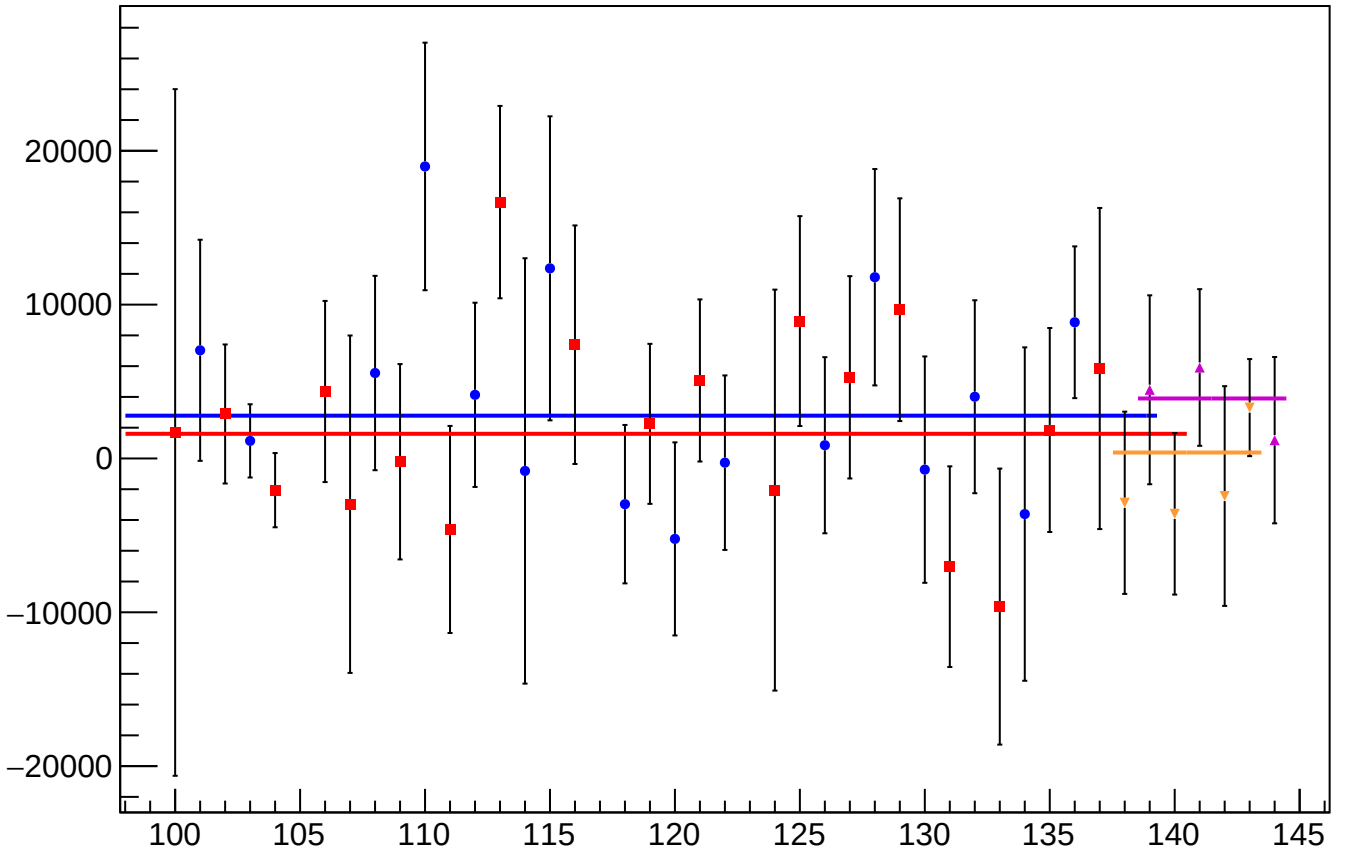
Left: 4240.424+/-1.326 χ^2/NDF: 699313.6/6

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3876.575+/-0.911 χ^2/NDF:1363858.2/18

Out: 3215.656+/-0.754 χ^2/NDF:2388563.2/22

All: 3484.488+/-0.581 χ^2/NDF: 4065004.0/41



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 385.851+/-2325.674 χ^2/NDF:1.9/3

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 3899.076+/-3173.785 χ^2/NDF:0.4/2

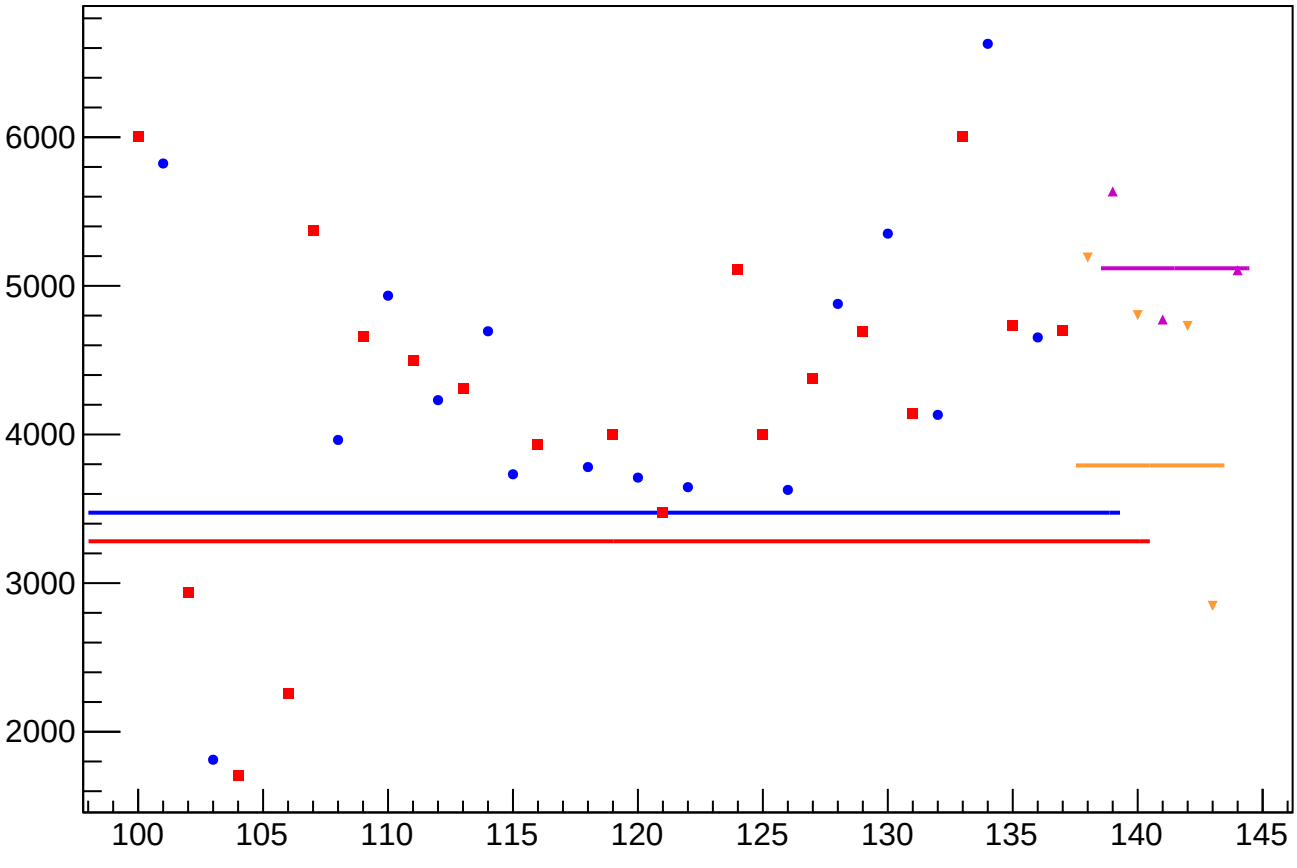
Left: 1613.250+/-1875.934 χ^2/NDF: 3.1/6

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2960.720+/-1272.811 χ^2/NDF:13.7/18

Out: 1300.373+/-1159.122 χ^2/NDF:18.9/22

All: 2053.097+/-857.003 χ^2/NDF: 33.5/41



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3791.971+/-1.645 χ^2/NDF:399684.5/3

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5118.226+/-2.244 χ^2/NDF:23339.9/2

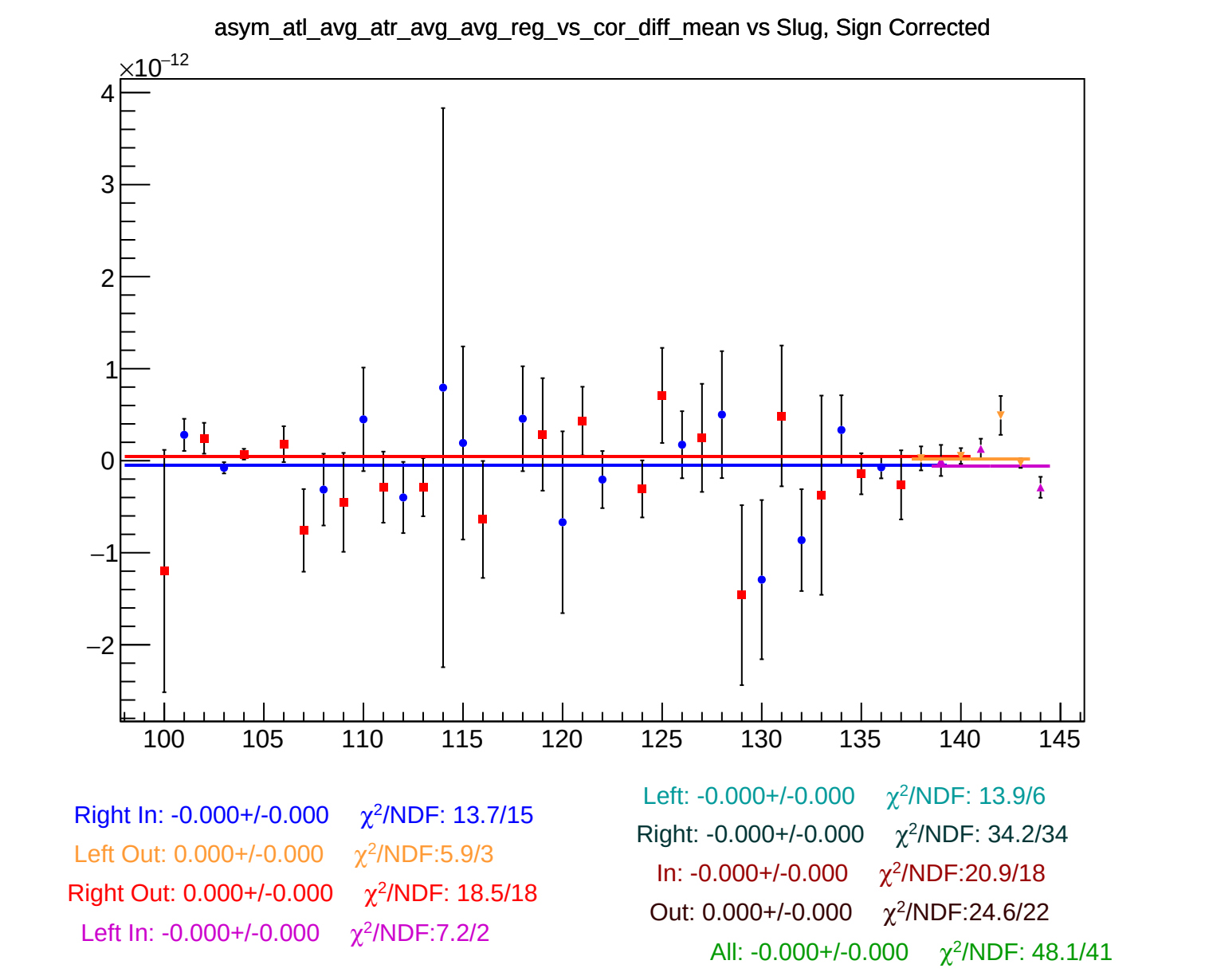
Left: 4255.318+/-1.326 χ^2/NDF: 650254.8/6

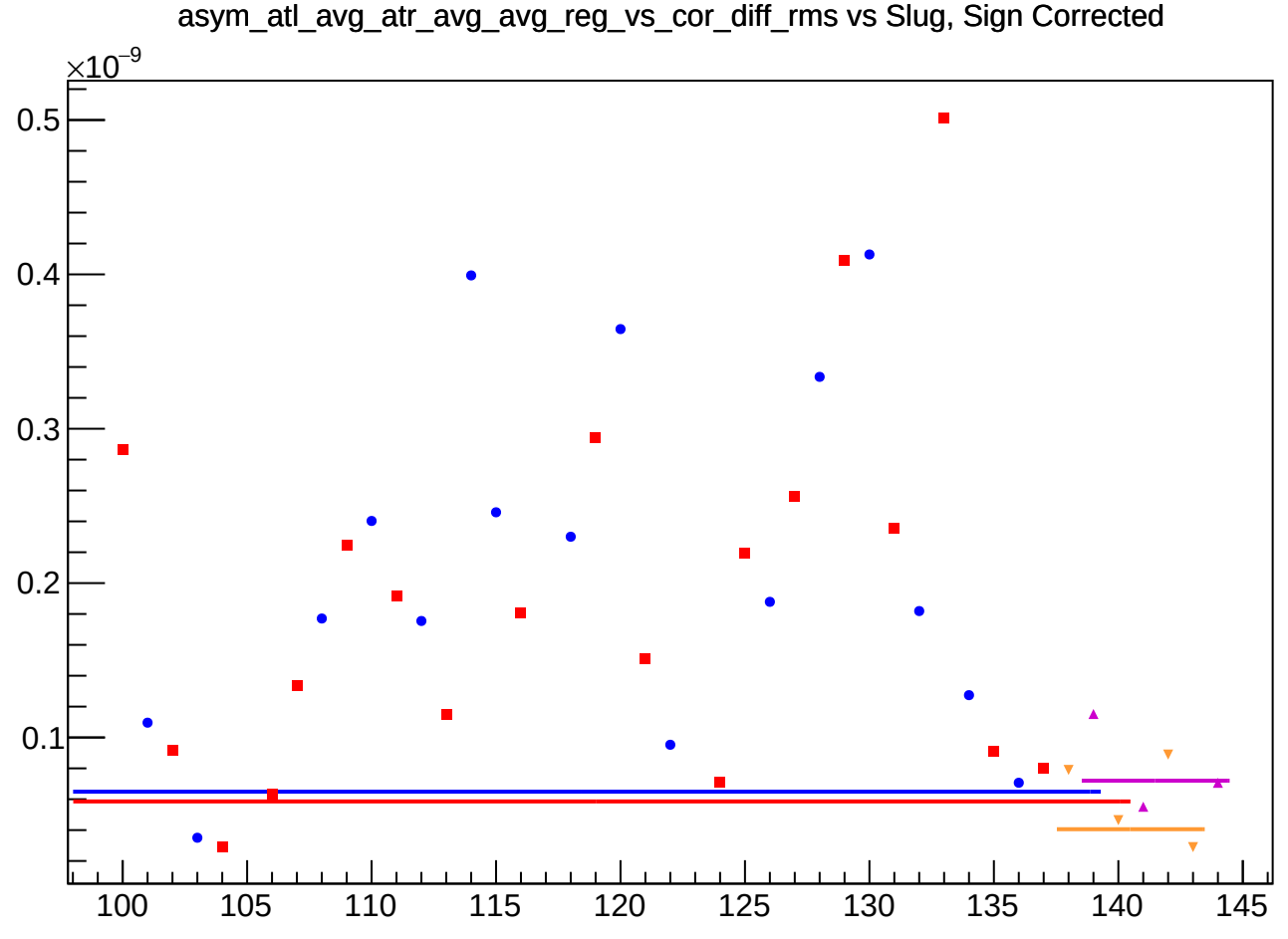
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3738.355+/-0.900 χ^2/NDF:2317811.3/18

Out: 3405.682+/-0.811 χ^2/NDF:2348096.3/22

All: 3554.792+/-0.603 χ^2/NDF: 4741297.0/41


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
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:5.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:7.2/2
Left: -0.000+/-0.000 χ²/NDF: 13.9/6
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:20.9/18
Out: 0.000+/-0.000 χ²/NDF:24.6/22
All: -0.000+/-0.000 χ²/NDF: 48.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:384371.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:178749.3/2

Left: 0.000+/-0.000 χ^2/NDF: 852138.4/6

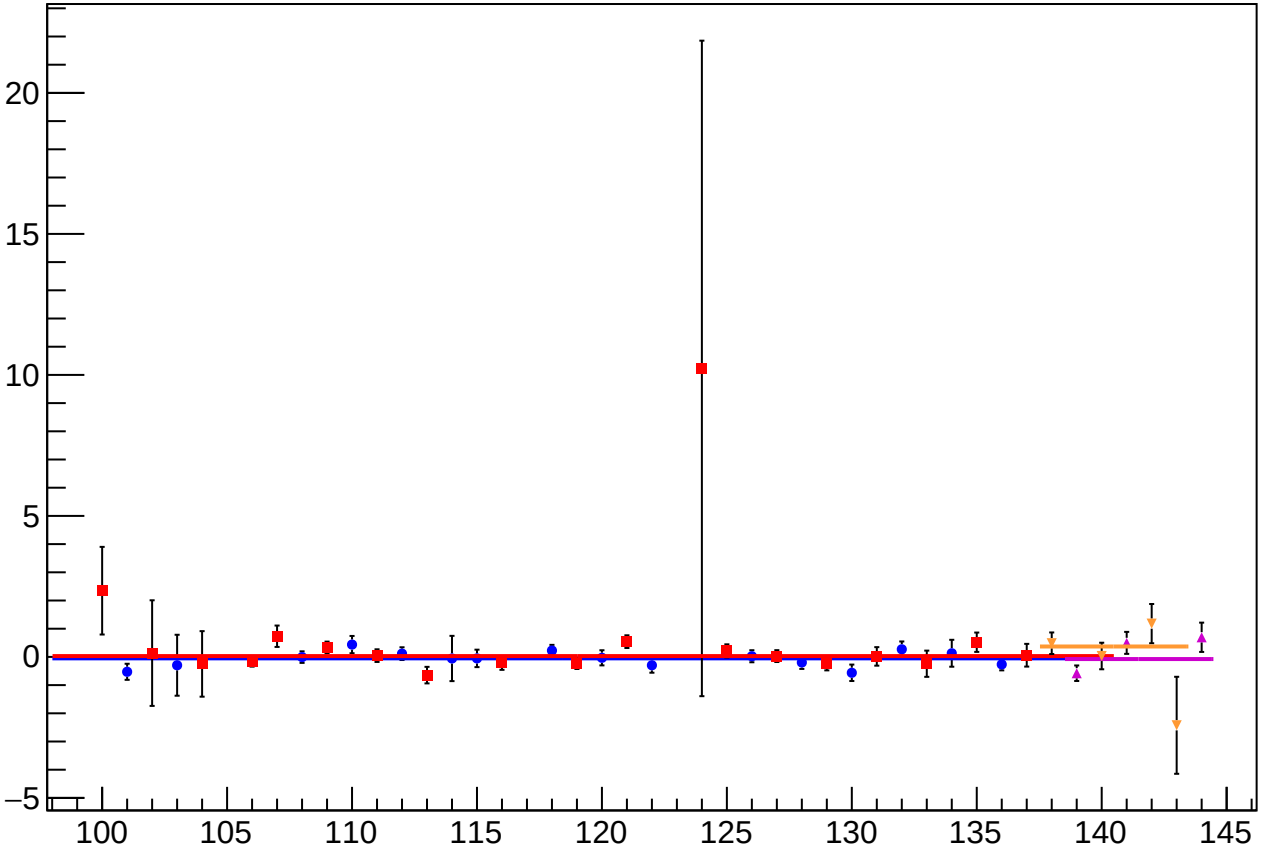
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2785294.6/18

Out: 0.000+/-0.000 χ^2/NDF:3401523.6/22

All: 0.000+/-0.000 χ^2/NDF: 6458303.9/41

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: 0.369+/-0.270 χ^2/NDF:4.6/3

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.076+/-0.206 χ^2/NDF:7.7/2

Left: 0.088+/-0.164 χ^2/NDF: 14.0/6

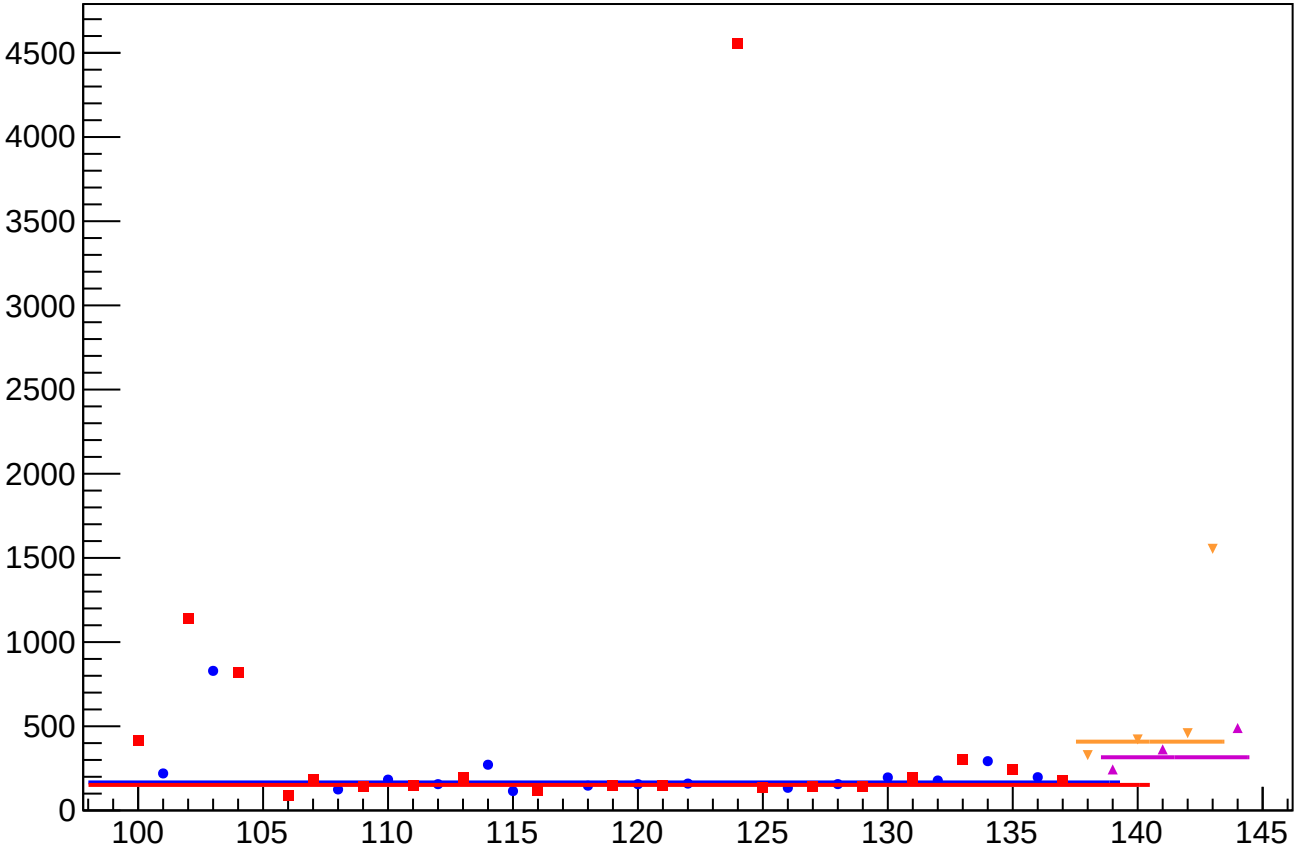
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.063 χ^2/NDF:22.6/18

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.002+/-0.044 χ^2/NDF: 57.5/41

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: 408.703+/-0.191 χ^2/NDF:986626.5/3

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 315.933+/-0.146 χ^2/NDF:390285.6/2

Left: 350.189+/-0.116 χ^2/NDF: 1526247.8/6

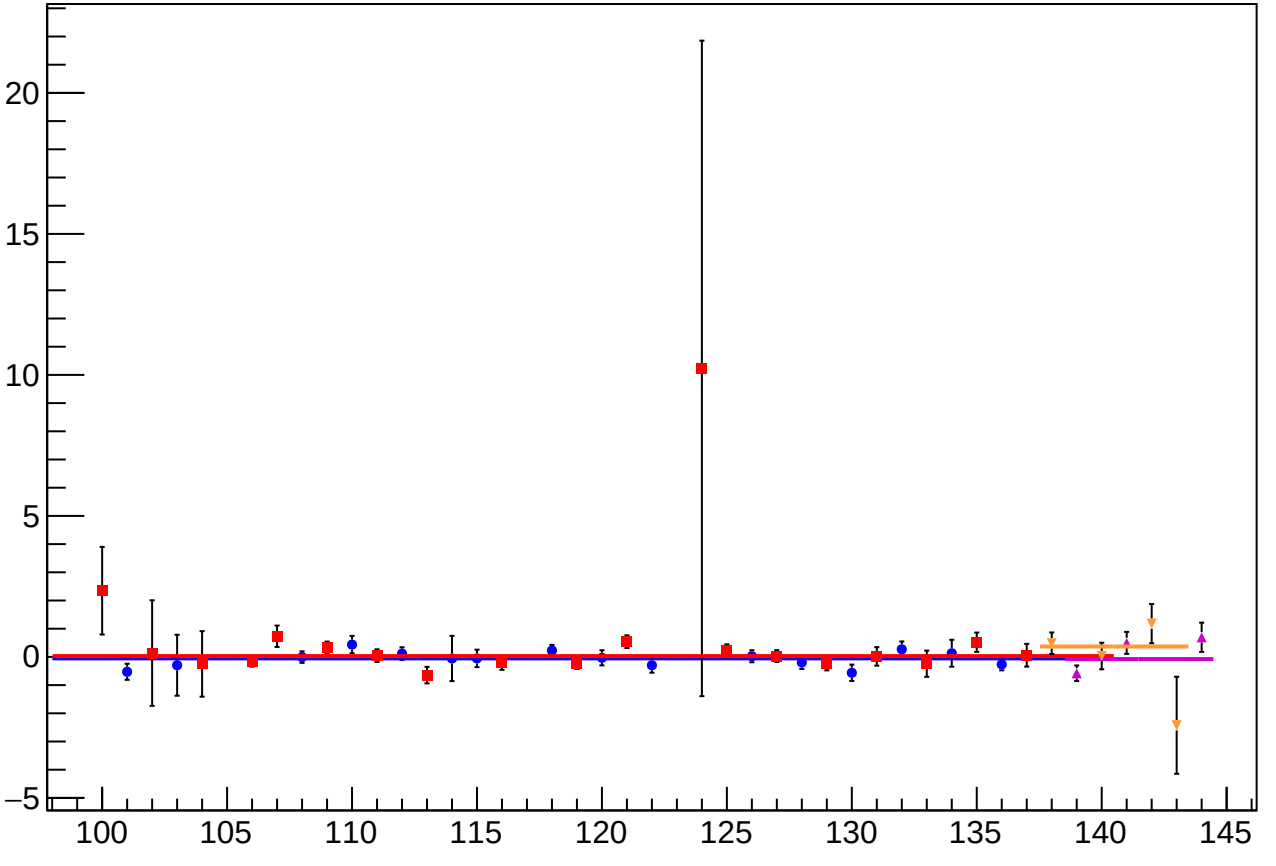
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 180.526+/-0.045 χ^2/NDF:2624752.8/18

Out: 165.503+/-0.044 χ^2/NDF:5021124.1/22

All: 172.871+/-0.031 χ^2/NDF: 7702937.1/41

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: 0.369+/-0.270 χ^2/NDF:4.6/3

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.076+/-0.206 χ^2/NDF:7.7/2

Left: 0.088+/-0.164 χ^2/NDF: 14.0/6

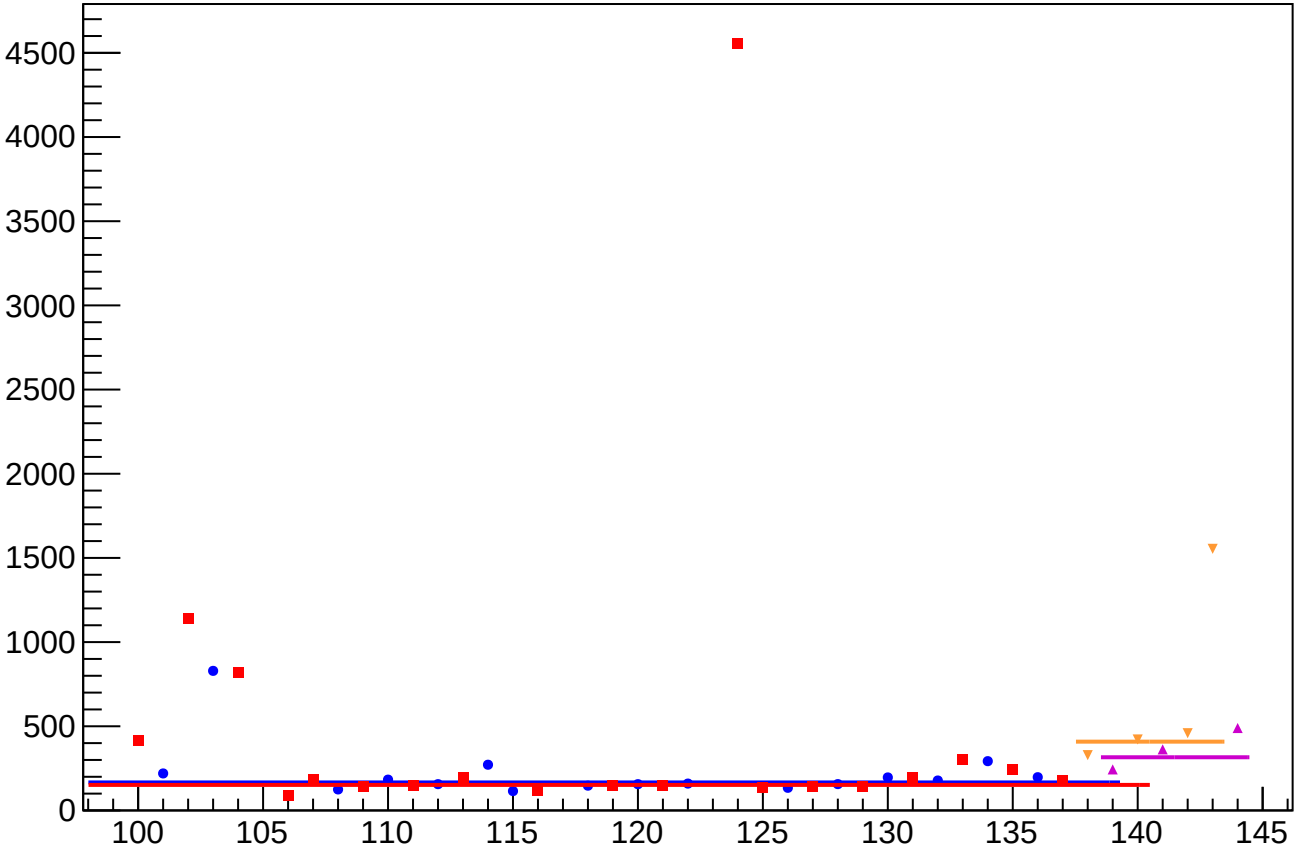
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.063 χ^2/NDF:22.6/18

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.002+/-0.044 χ^2/NDF: 57.5/41

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: 408.703+/-0.191 χ^2/NDF:986626.5/3

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 315.933+/-0.146 χ^2/NDF:390285.6/2

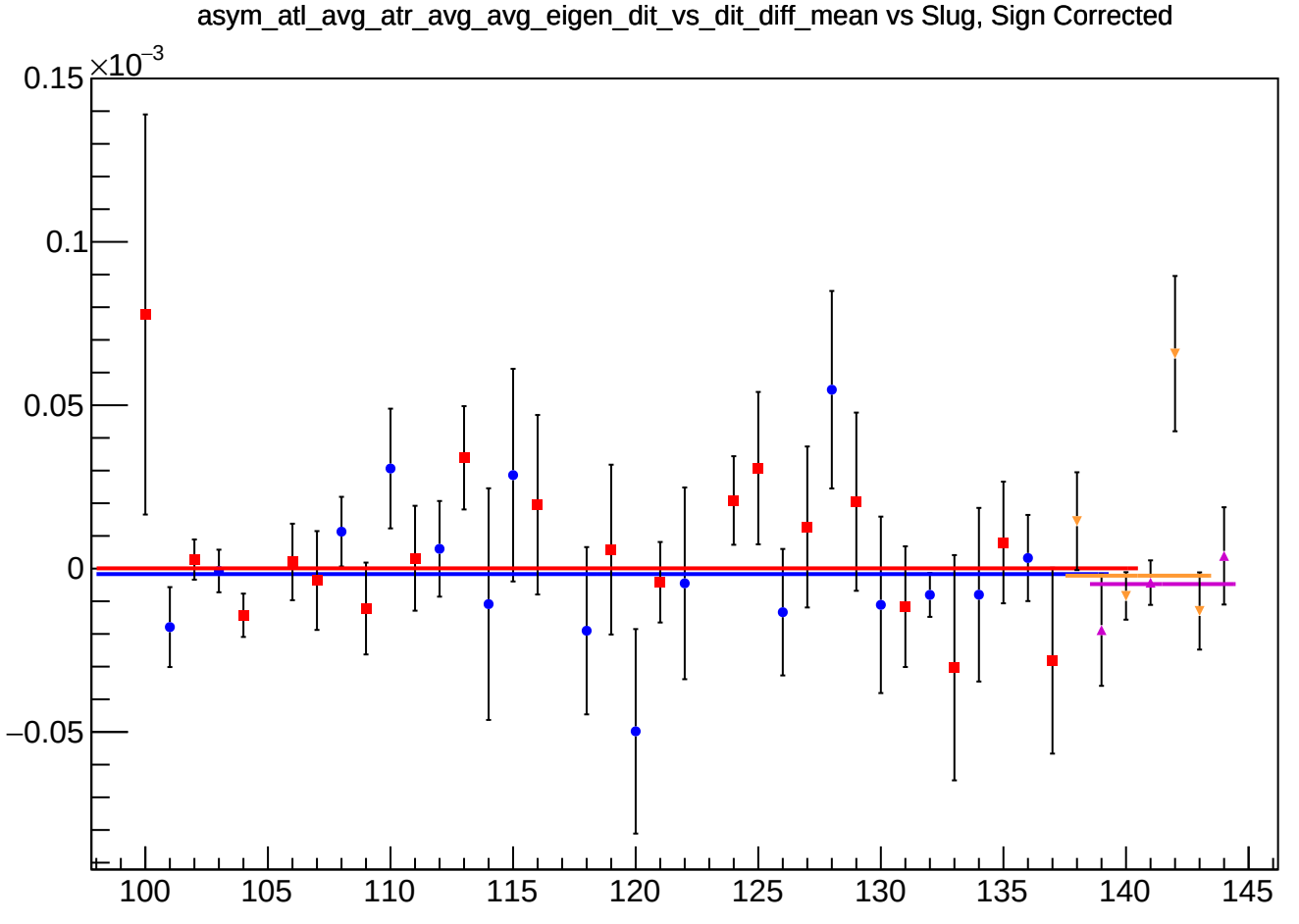
Left: 350.189+/-0.116 χ^2/NDF: 1526247.8/6

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 180.526+/-0.045 χ^2/NDF:2624752.8/18

Out: 165.503+/-0.044 χ^2/NDF:5021124.1/22

All: 172.871+/-0.031 χ^2/NDF: 7702937.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

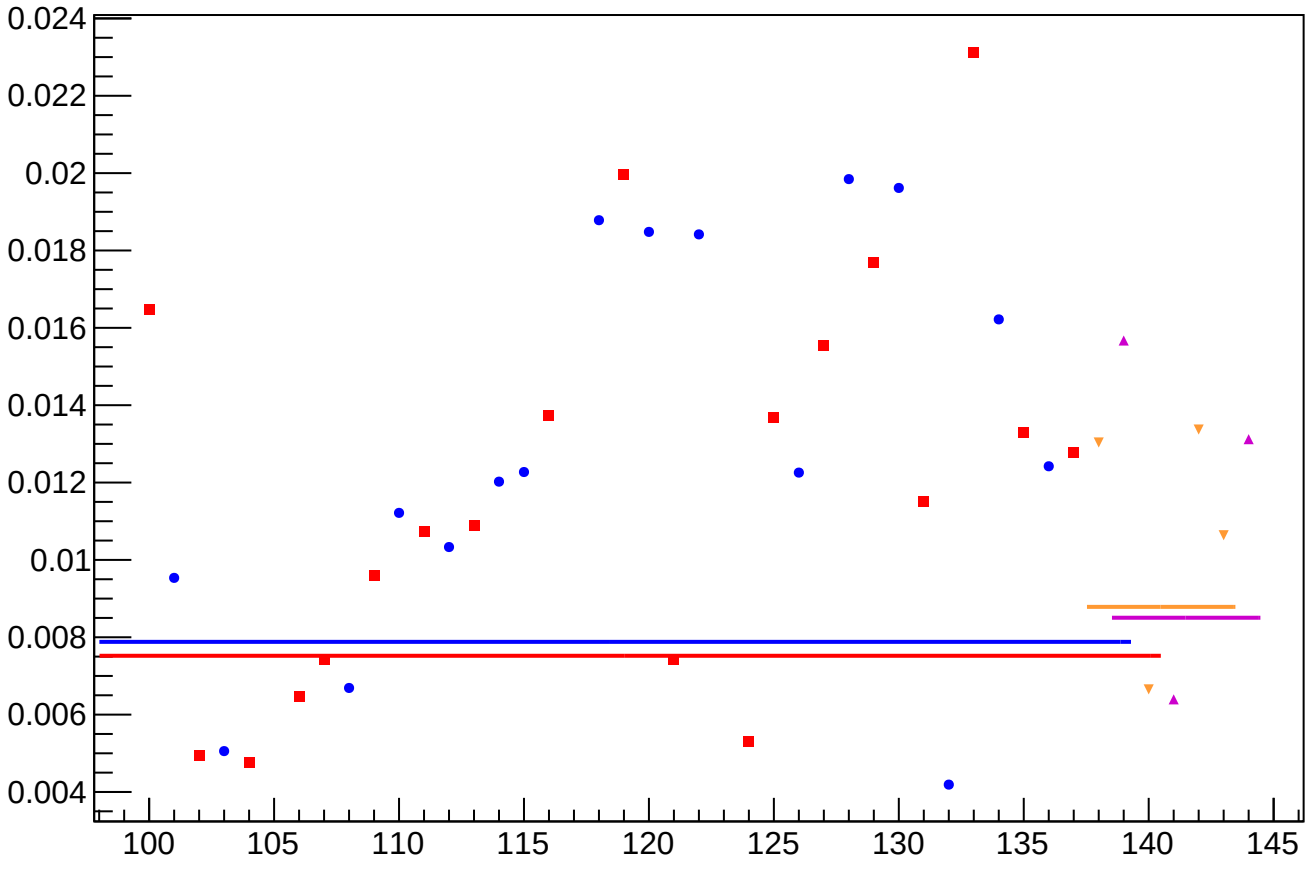
Left: -0.000+/-0.000 χ^2/NDF: 12.1/6

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:16.7/18

Out: -0.000+/-0.000 χ^2/NDF:31.0/22

All: -0.000+/-0.000 χ^2/NDF: 48.0/41



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:457137.6/3

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.009+/-0.000 χ^2/NDF:737199.1/2

Left: 0.009+/-0.000 χ^2/NDF: 1196767.4/6

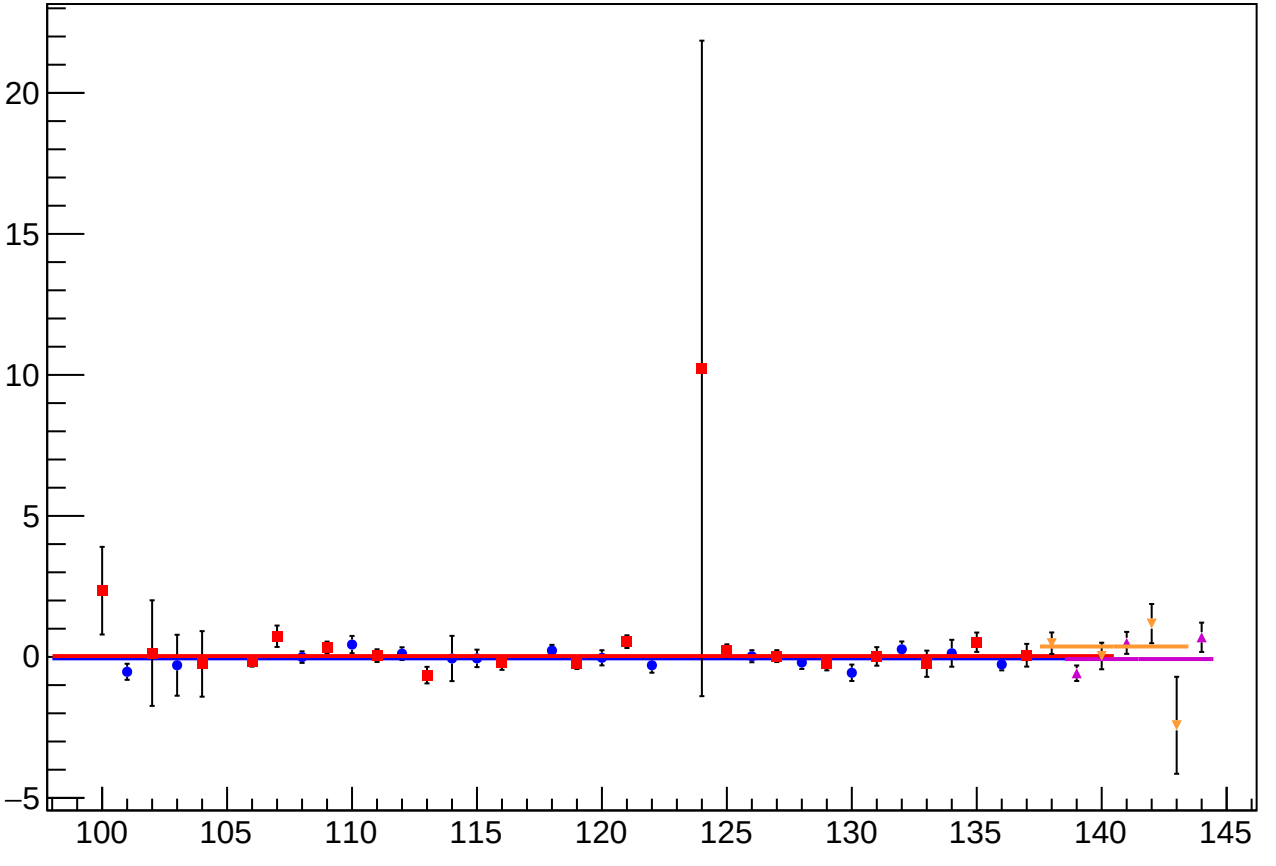
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:4056043.8/18

Out: 0.008+/-0.000 χ^2/NDF:3510893.8/22

All: 0.008+/-0.000 χ^2/NDF: 7572604.5/41

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: 0.369+/-0.270 χ^2/NDF:4.6/3

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.076+/-0.206 χ^2/NDF:7.7/2

Left: 0.088+/-0.164 χ^2/NDF: 14.0/6

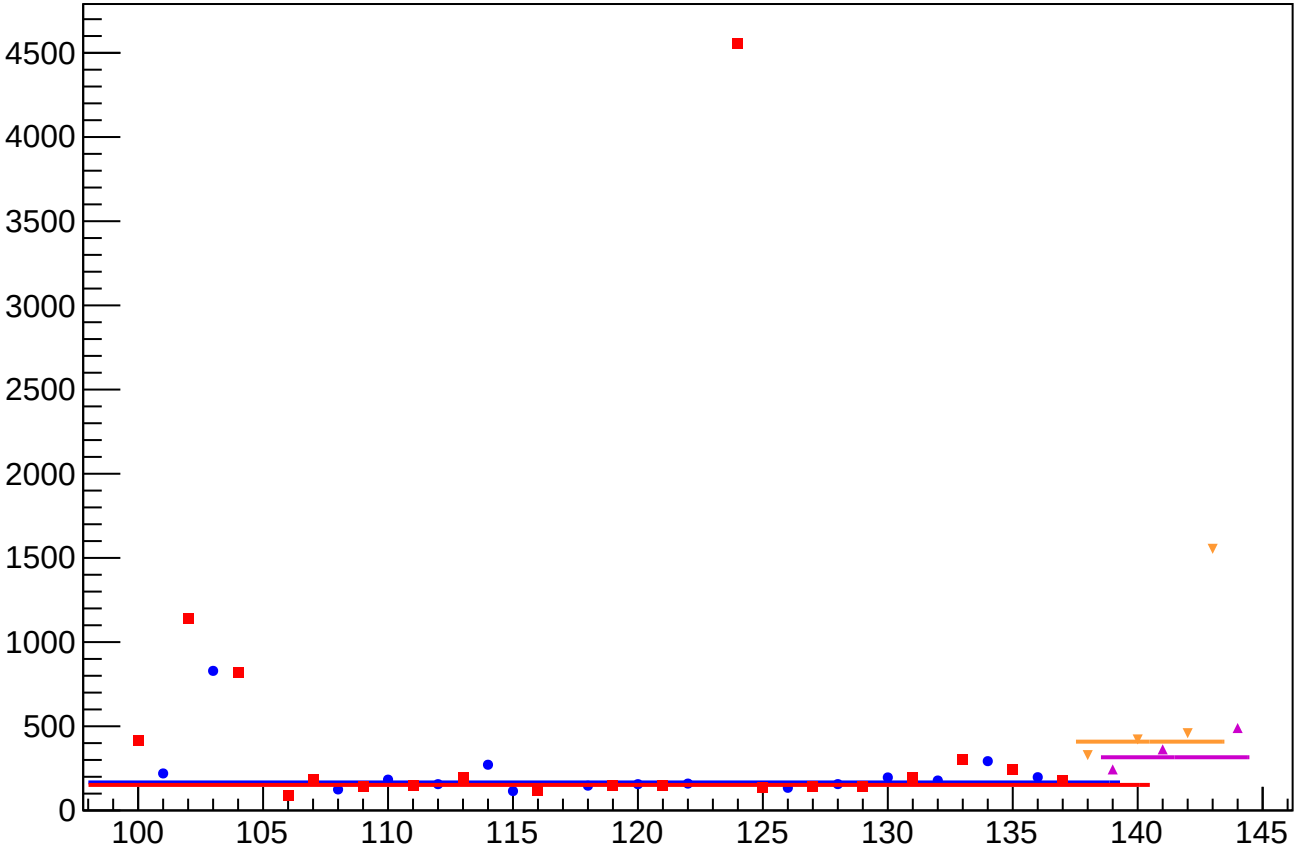
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.054+/-0.063 χ^2/NDF:22.6/18

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.002+/-0.044 χ^2/NDF: 57.5/41

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: 408.707+/-0.191 χ^2/NDF:986621.2/3

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 315.939+/-0.146 χ^2/NDF:390270.5/2

Left: 350.194+/-0.116 χ^2/NDF: 1526217.2/6

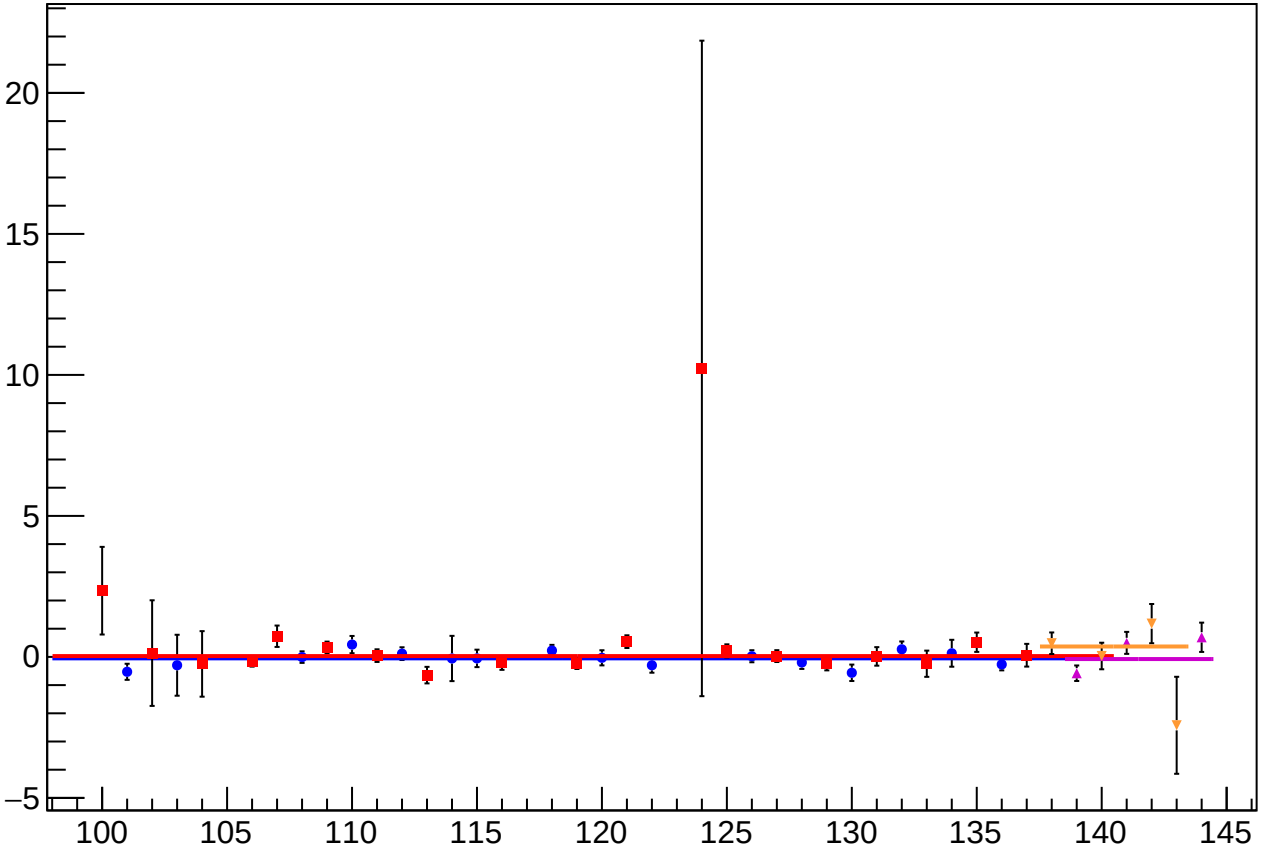
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 180.525+/-0.045 χ^2/NDF:2624788.5/18

Out: 165.501+/-0.044 χ^2/NDF:5021164.0/22

All: 172.870+/-0.031 χ^2/NDF: 7703019.1/41

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: 0.369+/-0.270 χ^2/NDF:4.6/3

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.076+/-0.206 χ^2/NDF:7.7/2

Left: 0.088+/-0.164 χ^2/NDF: 14.0/6

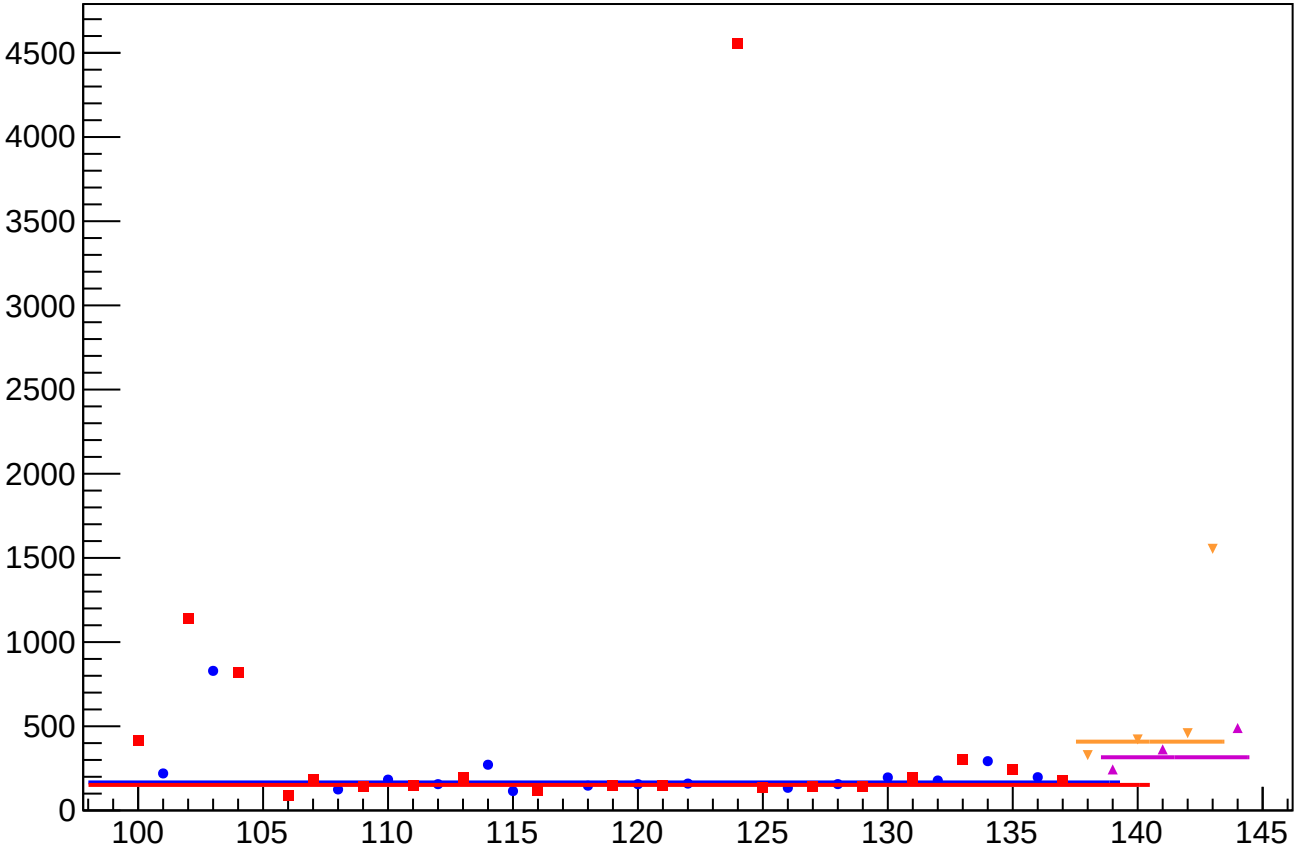
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.054+/-0.063 χ^2/NDF:22.6/18

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.002+/-0.044 χ^2/NDF: 57.5/41

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: 408.707+/-0.191 χ^2/NDF:986621.2/3

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 315.939+/-0.146 χ^2/NDF:390270.5/2

Left: 350.194+/-0.116 χ^2/NDF: 1526217.2/6

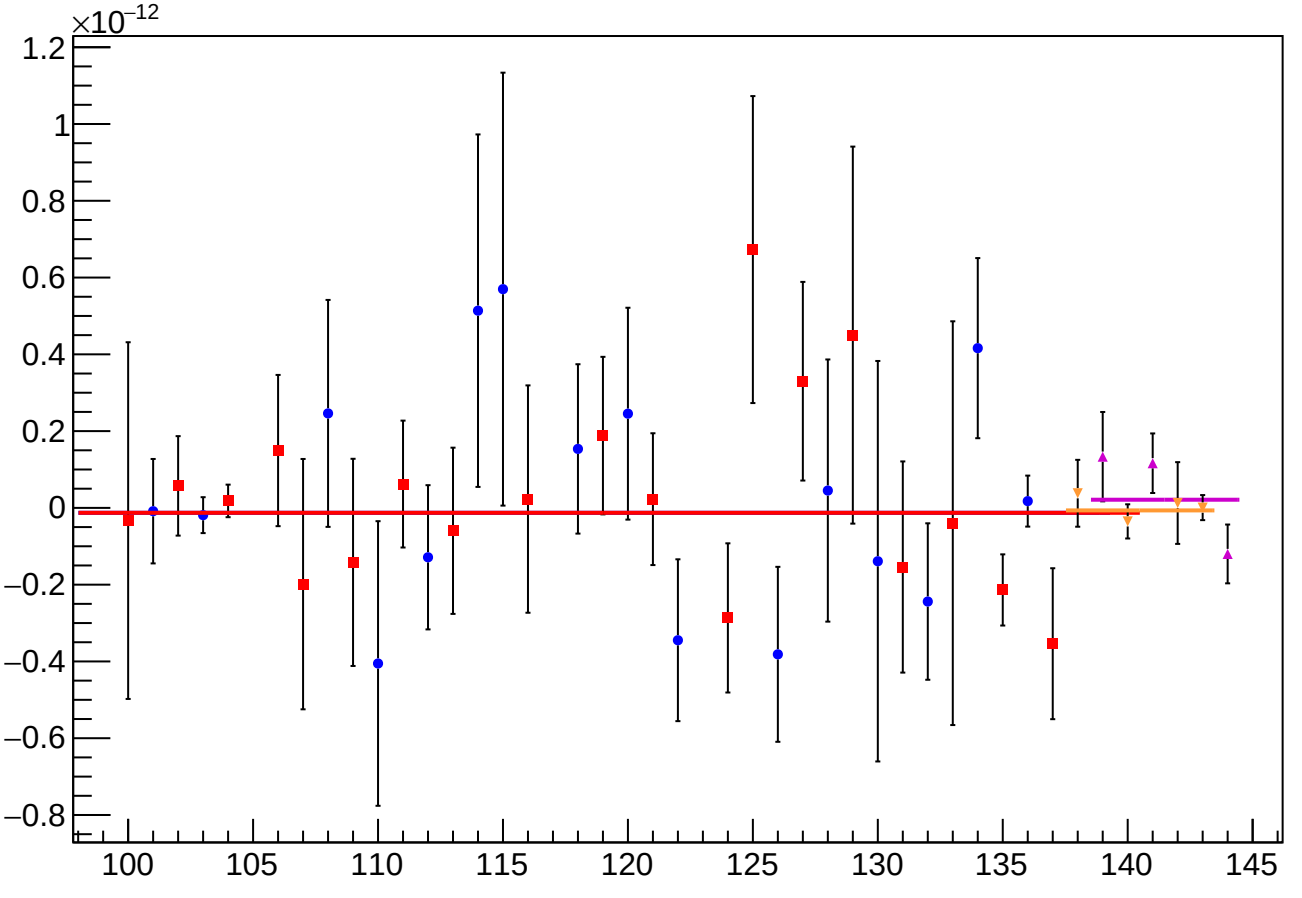
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 180.525+/-0.045 χ^2/NDF:2624788.5/18

Out: 165.501+/-0.044 χ^2/NDF:5021164.0/22

All: 172.870+/-0.031 χ^2/NDF: 7703019.1/41

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/2

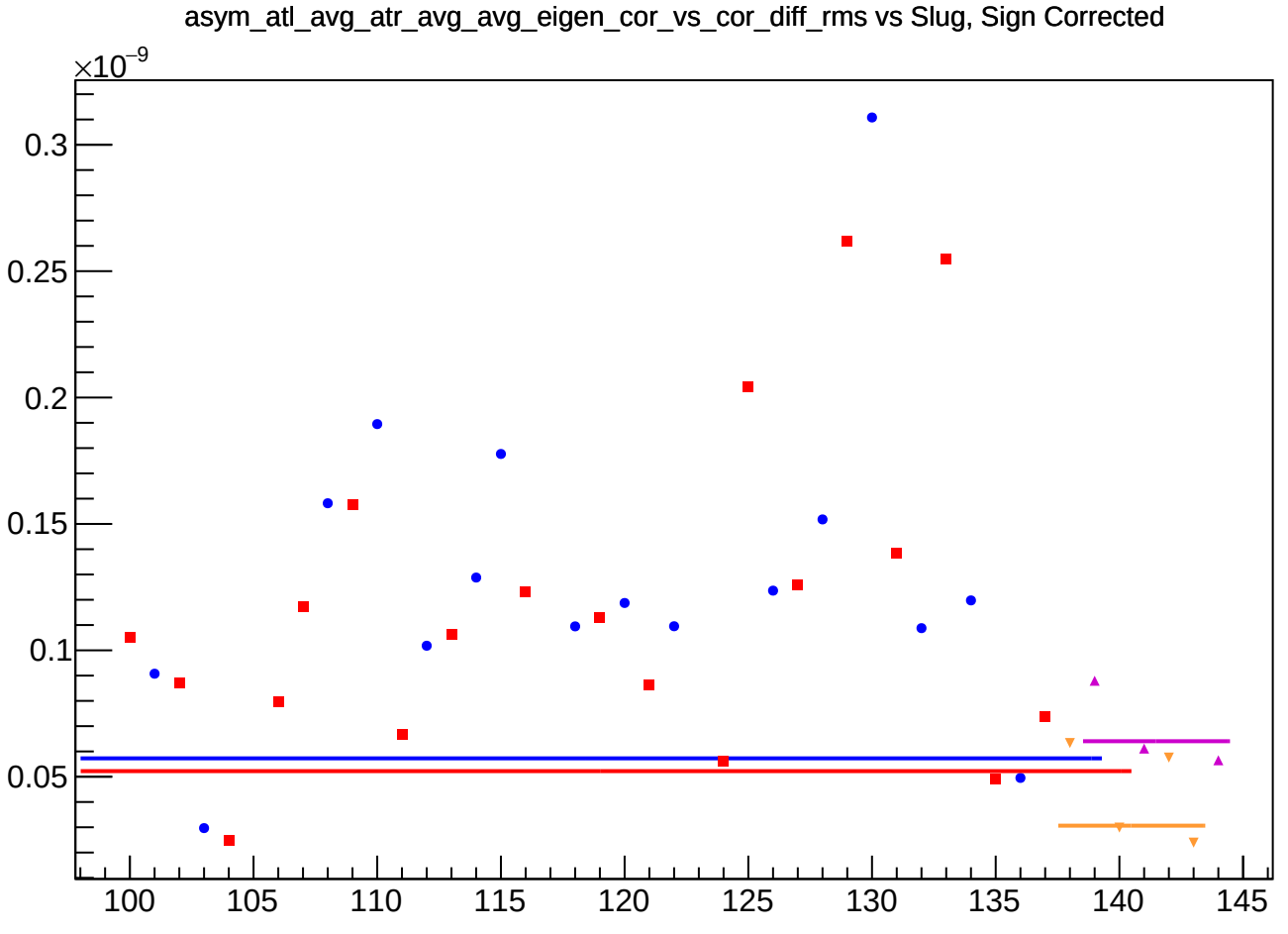
Left: -0.000+/-0.000 χ^2/NDF: 6.8/6

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:22.3/18

Out: -0.000+/-0.000 χ^2/NDF:19.7/22

All: -0.000+/-0.000 χ^2/NDF: 42.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:494918.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:106597.6/2

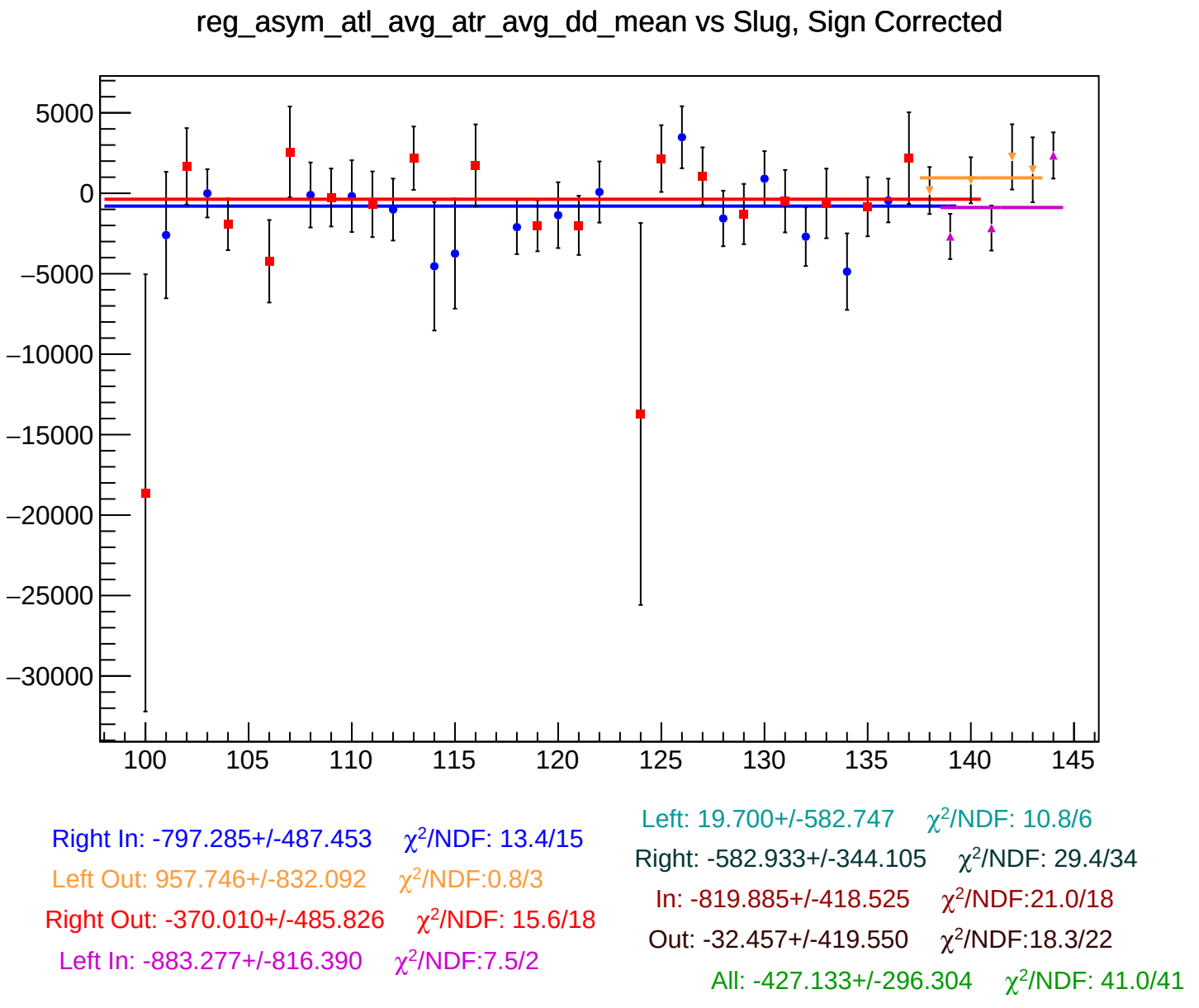
Left: 0.000+/-0.000 χ^2/NDF: 1336082.6/6

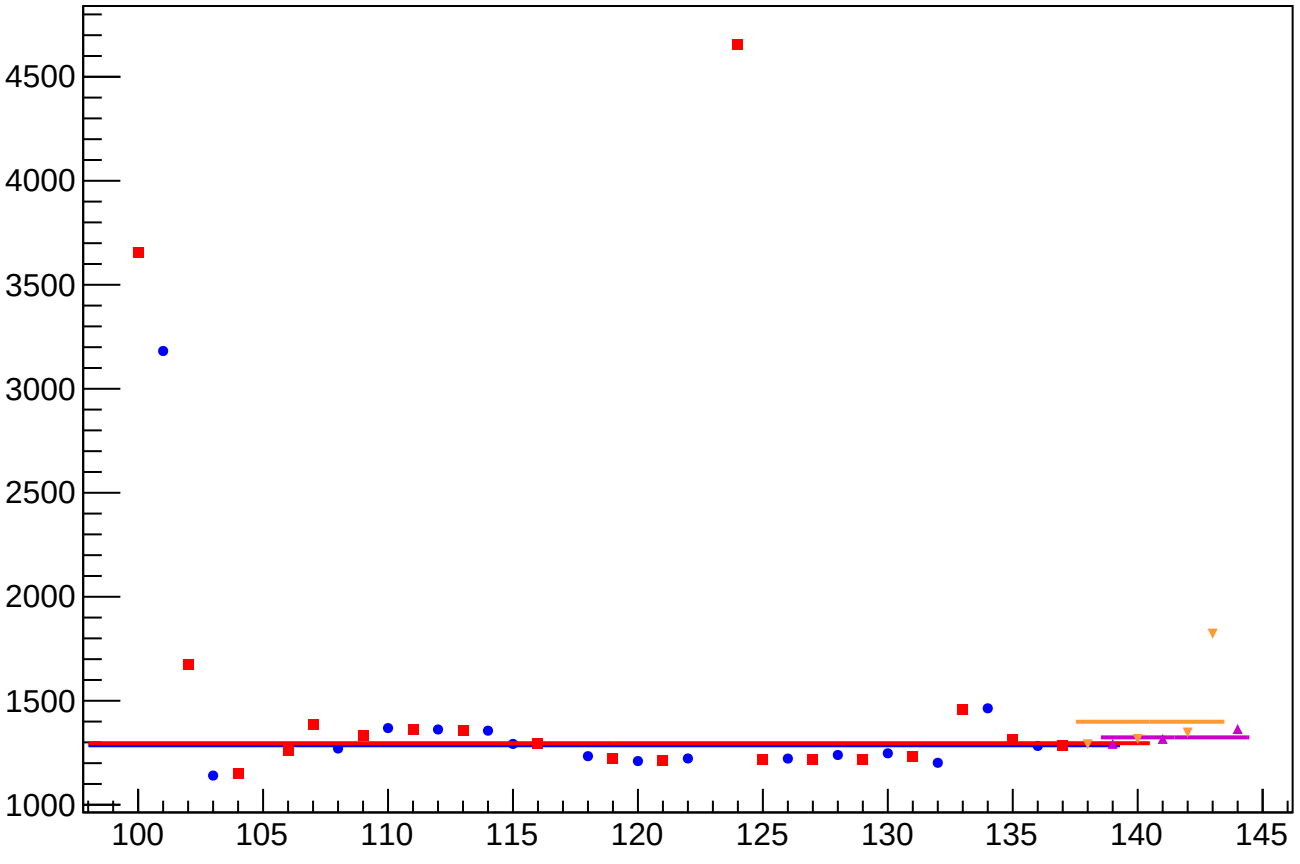
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3115809.8/18

Out: 0.000+/-0.000 χ^2/NDF:4366882.5/22

All: 0.000+/-0.000 χ^2/NDF: 8235458.0/41


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 957.746+/-832.092 χ²/NDF:0.8/3
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -883.277+/-816.390 χ²/NDF:7.5/2
Left: 19.700+/-582.747 χ²/NDF: 10.8/6
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -819.885+/-418.525 χ²/NDF:21.0/18
Out: -32.457+/-419.550 χ²/NDF:18.3/22
All: -427.133+/-296.304 χ²/NDF: 41.0/41



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

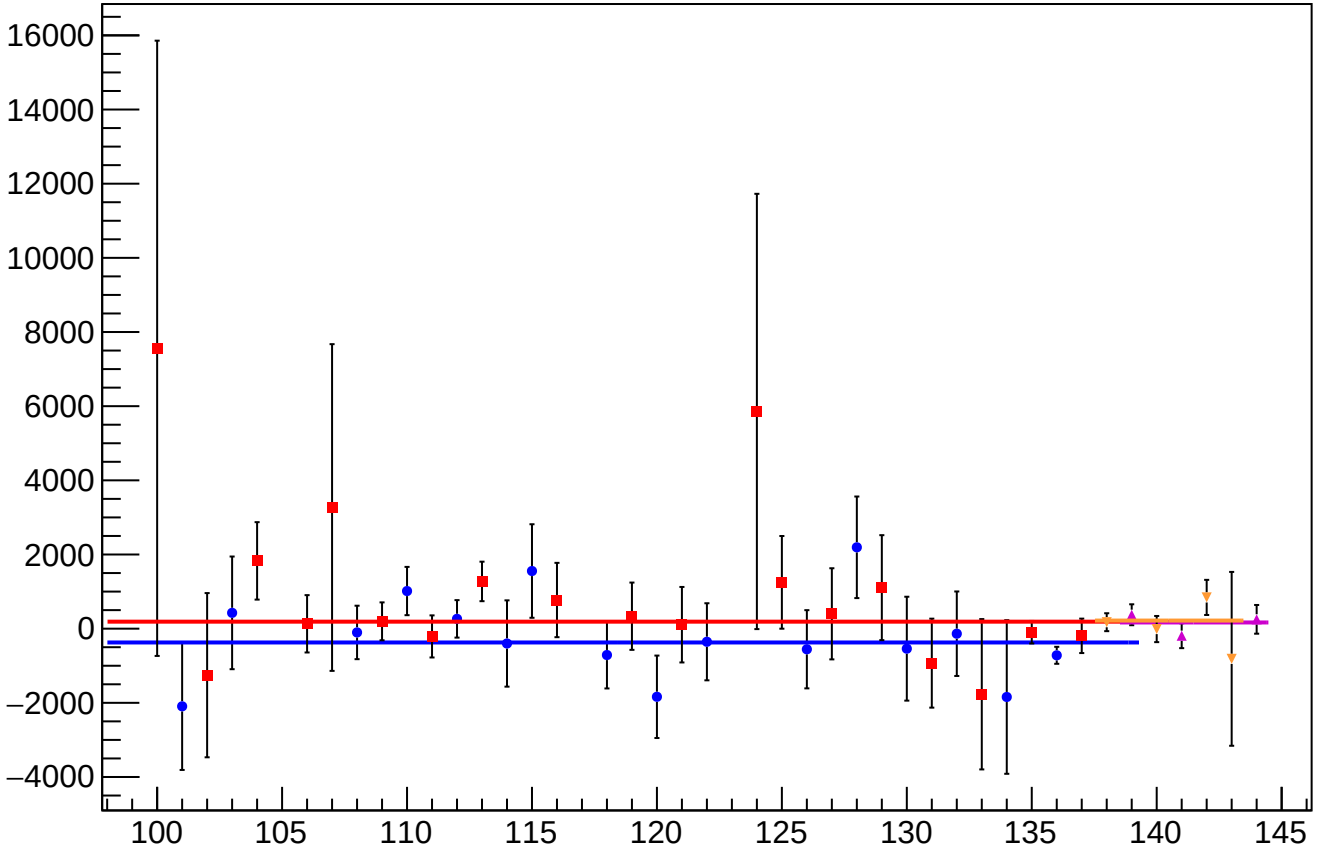
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1296.071+/-0.296 χ^2/NDF:523909.8/18

Out: 1322.190+/-0.297 χ^2/NDF:458194.9/22

All: 1309.099+/-0.210 χ^2/NDF: 985989.8/41

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 218.459+/-183.130 χ^2/NDF:2.4/3

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 167.222+/-188.596 χ^2/NDF:1.7/2

Left: 193.594+/-131.382 χ^2/NDF: 4.1/6

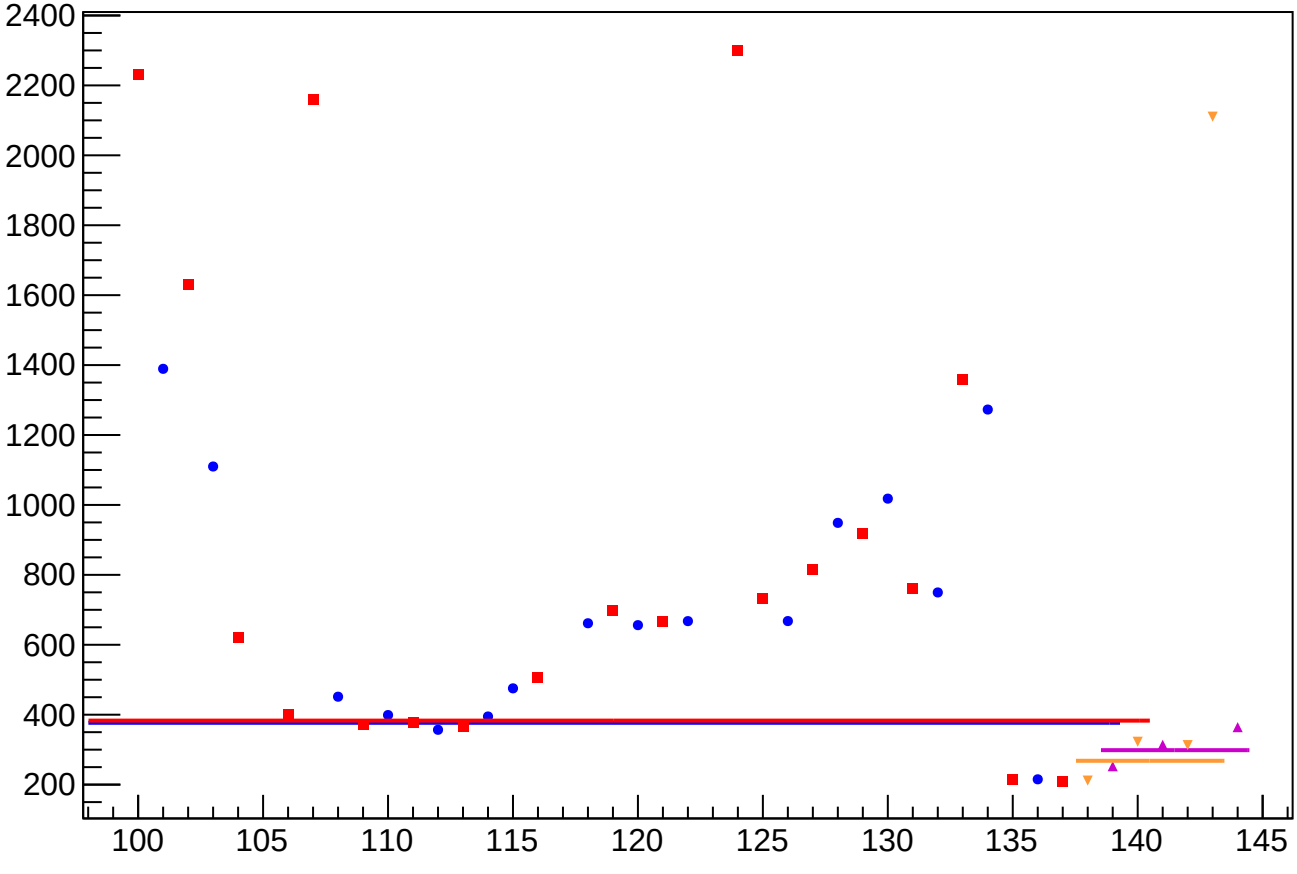
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -133.289+/-125.531 χ^2/NDF:24.4/18

Out: 202.569+/-124.424 χ^2/NDF:17.0/22

All: 36.128+/-88.370 χ^2/NDF: 45.1/41

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: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 298.554+/-0.133 χ^2/NDF:114926.9/2

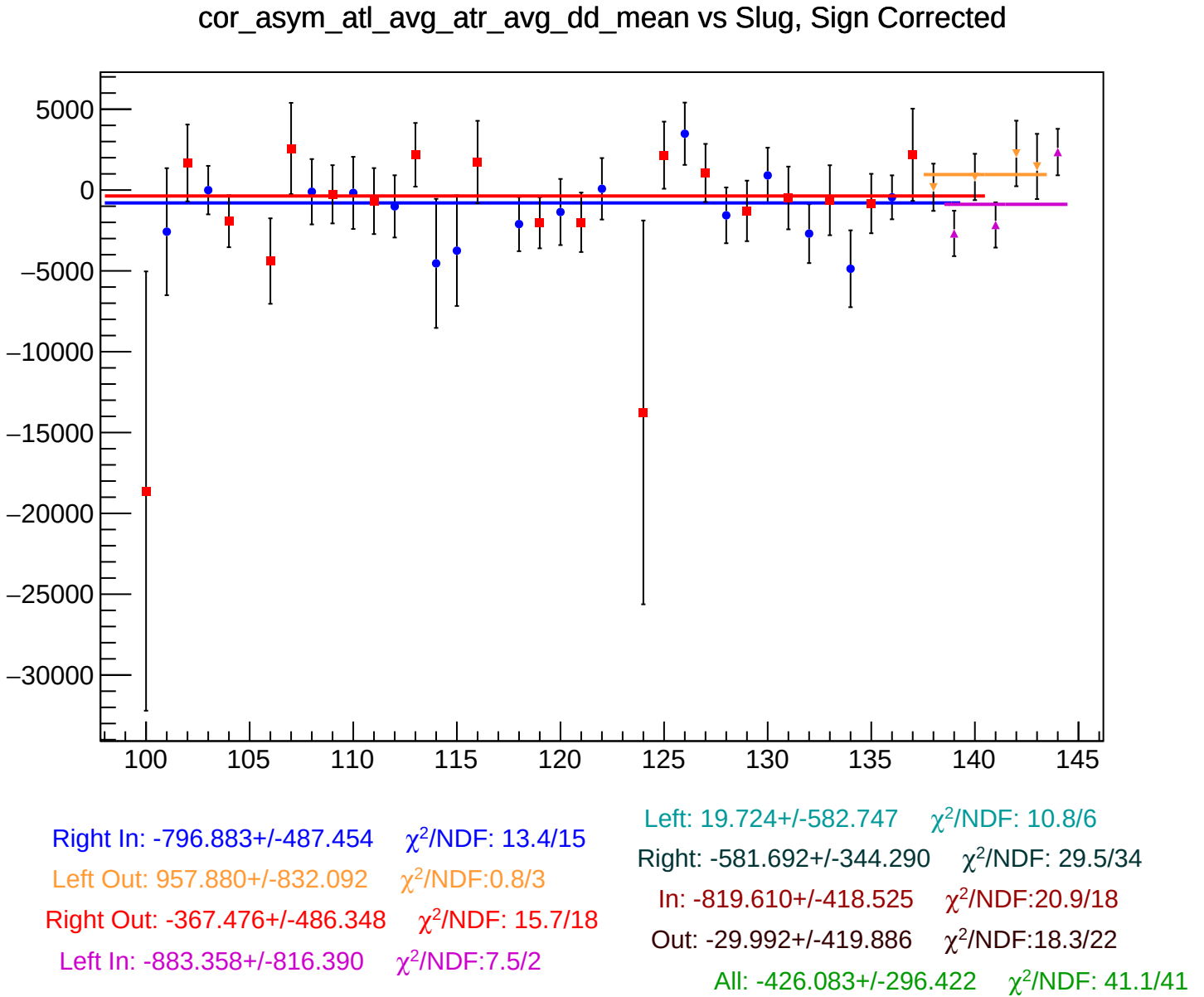
Left: 282.930+/-0.093 χ^2/NDF: 1552612.7/6

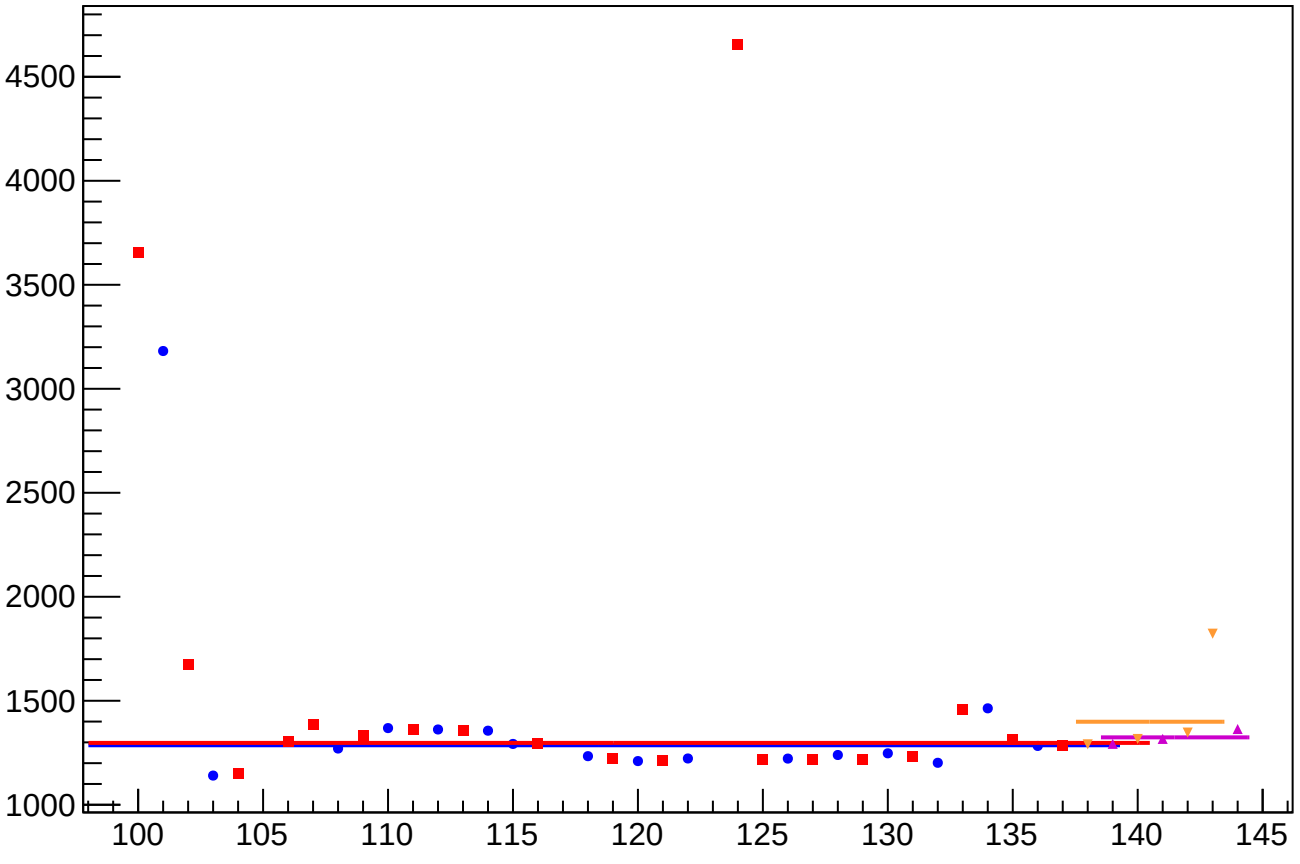
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 342.186+/-0.089 χ^2/NDF:4497315.5/18

Out: 330.045+/-0.088 χ^2/NDF:5888825.5/22

All: 336.062+/-0.062 χ^2/NDF: 10395579.3/41


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -883.358+/-816.390 χ²/NDF:7.5/2
Left: 19.724+/-582.747 χ²/NDF: 10.8/6
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -819.610+/-418.525 χ²/NDF:20.9/18
Out: -29.992+/-419.886 χ²/NDF:18.3/22
All: -426.083+/-296.422 χ²/NDF: 41.1/41



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

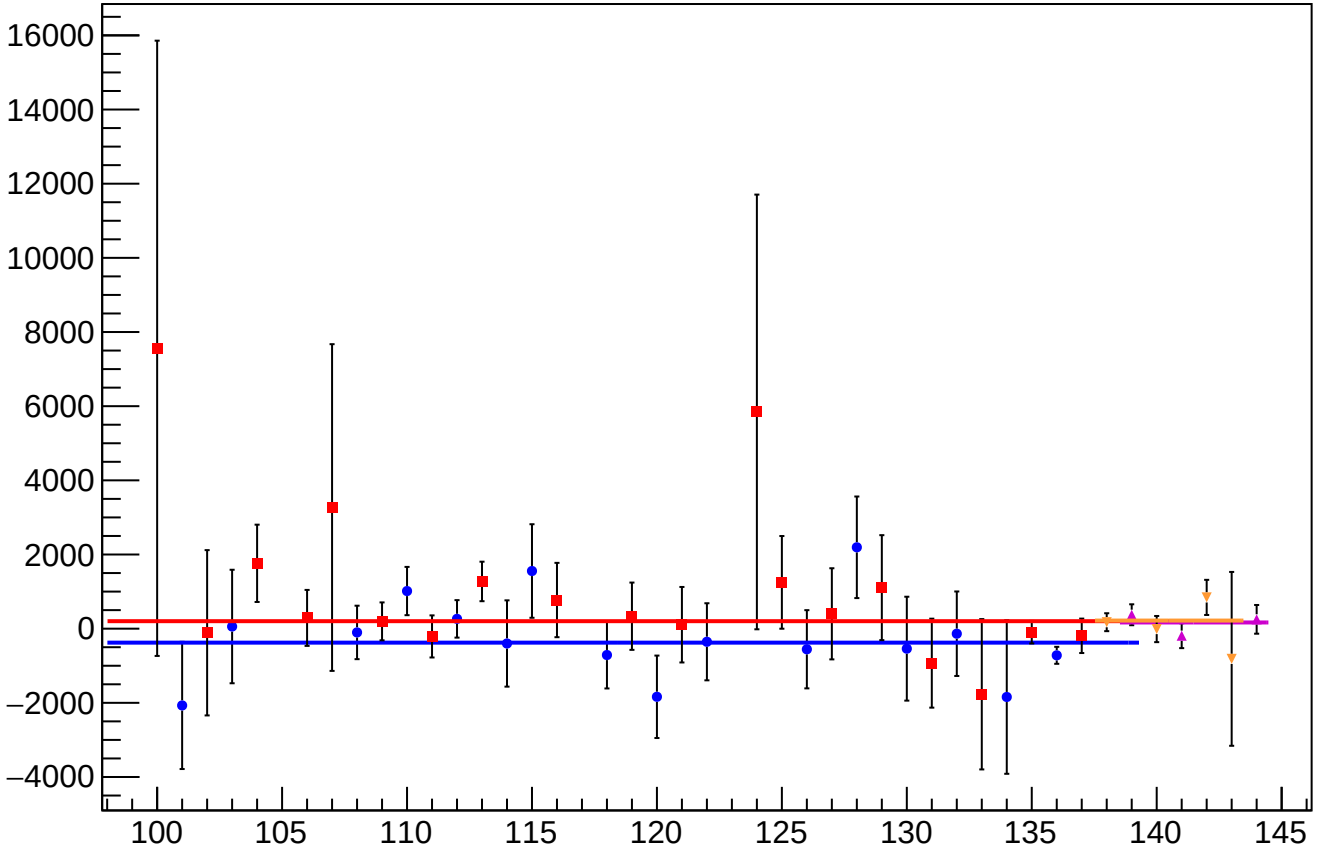
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1296.071+/-0.296 χ^2/NDF:523911.3/18

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1309.648+/-0.210 χ^2/NDF: 985348.1/41

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: 218.559+/-183.137 χ^2/NDF:2.4/3

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 167.310+/-188.596 χ^2/NDF:1.7/2

Left: 193.687+/-131.385 χ^2/NDF: 4.1/6

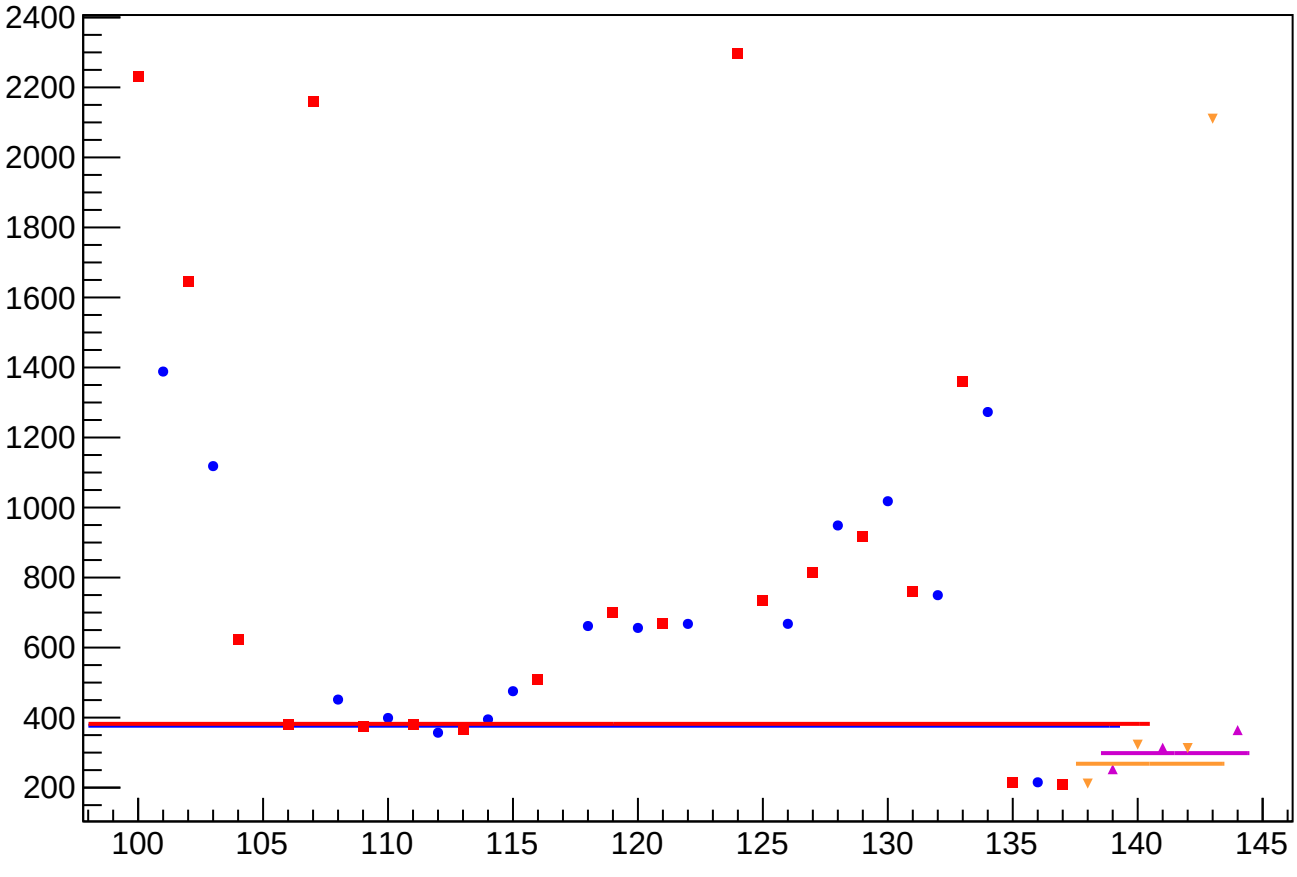
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -135.694+/-125.539 χ^2/NDF:24.3/18

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 38.655+/-88.345 χ^2/NDF: 44.6/41

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

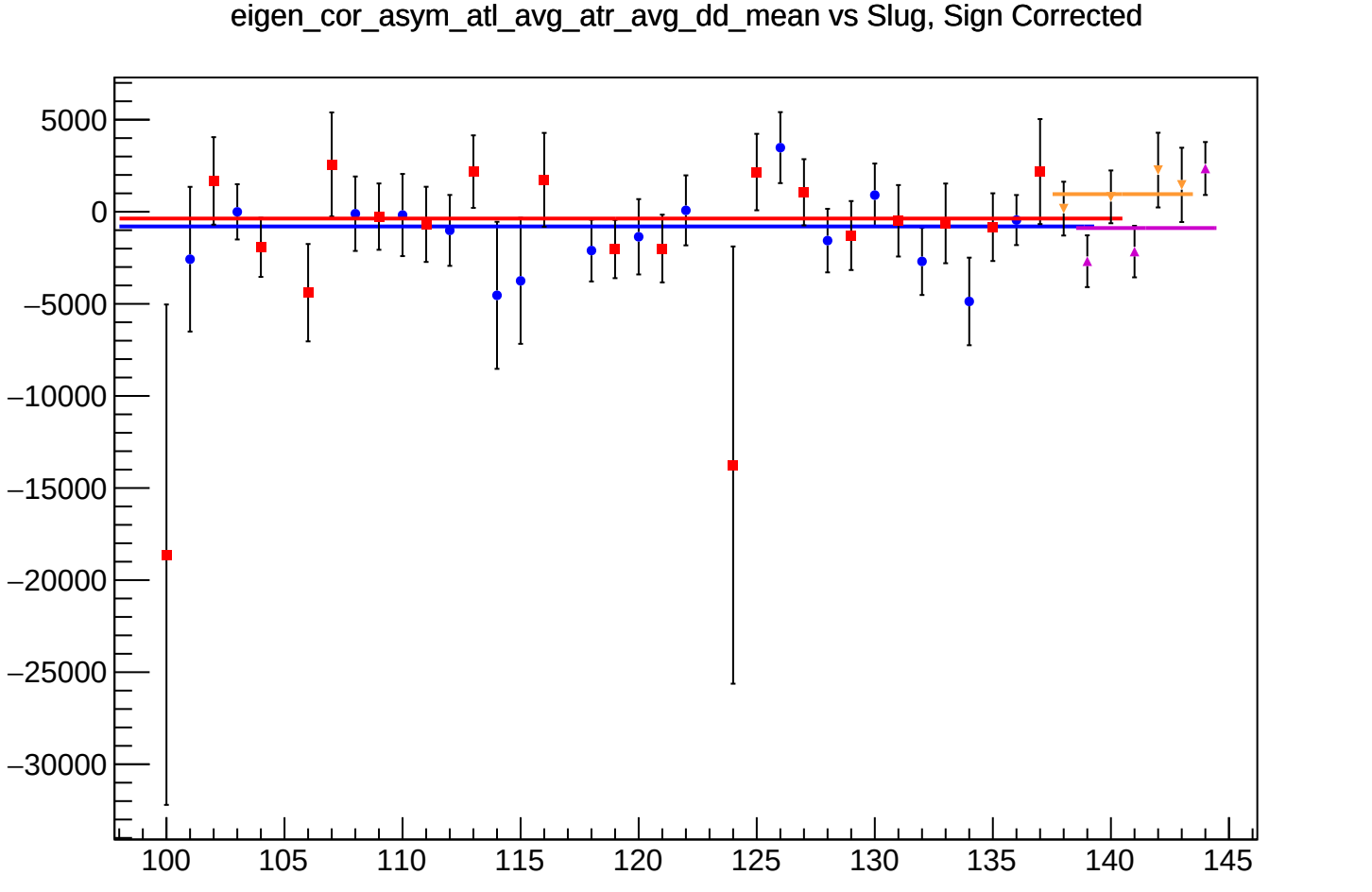
Left: 282.937+/-0.093 χ^2/NDF: 1552590.1/6

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 342.177+/-0.089 χ^2/NDF:4500369.8/18

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 335.835+/-0.062 χ^2/NDF: 10398256.0/41



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -883.358+/-816.390 χ^2/NDF:7.5/2

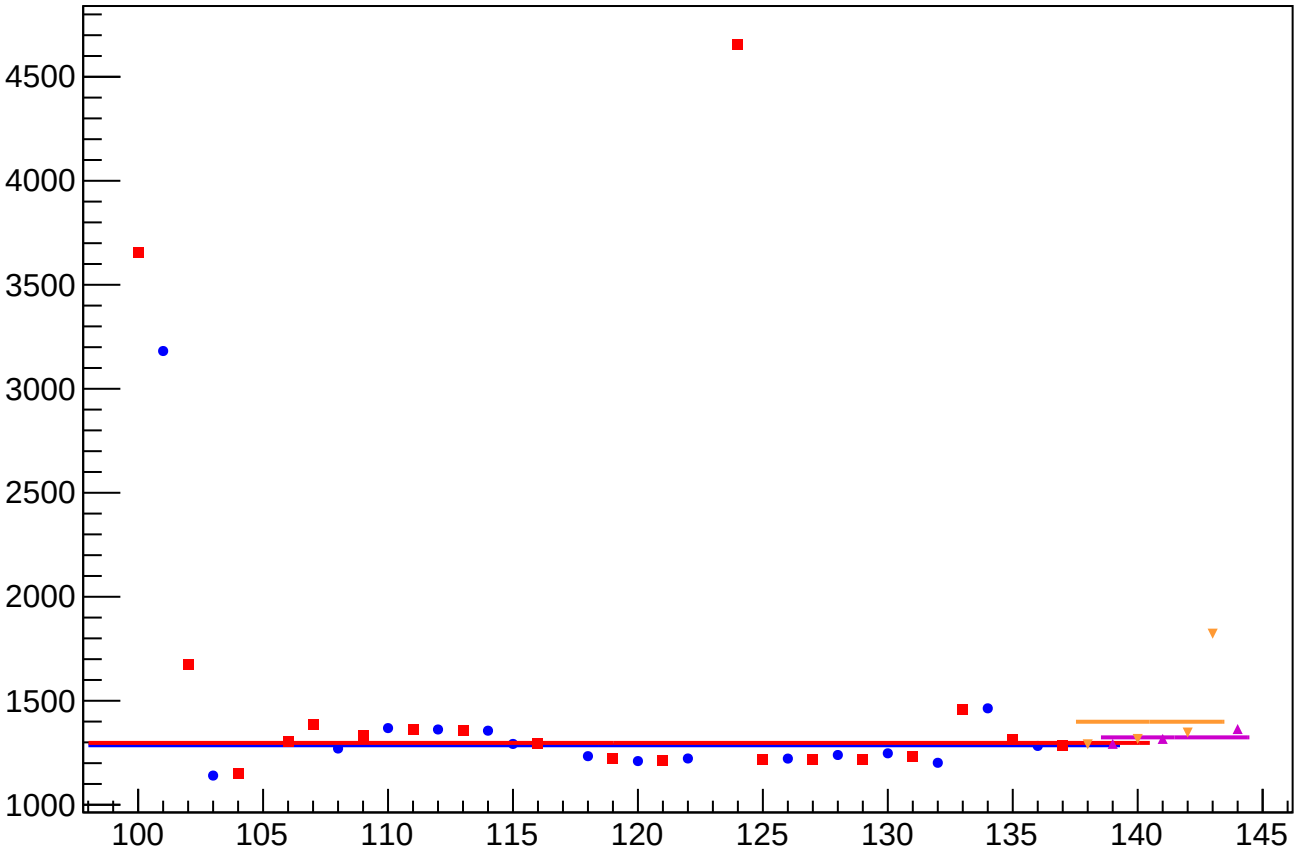
Left: 19.724+/-582.747 χ^2/NDF: 10.8/6

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -819.610+/-418.525 χ^2/NDF:20.9/18

Out: -29.992+/-419.886 χ^2/NDF:18.3/22

All: -426.083+/-296.422 χ^2/NDF: 41.1/41



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

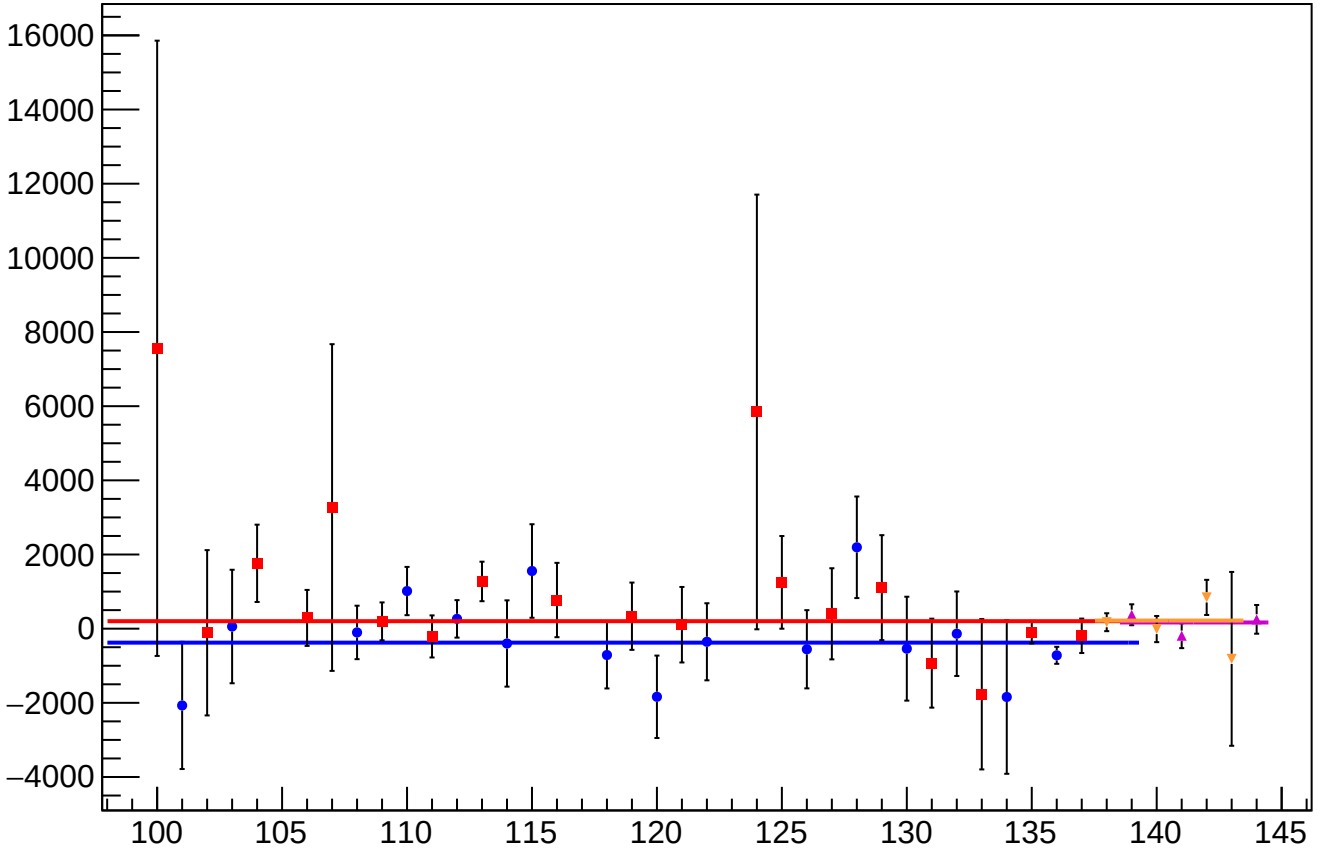
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1296.071+/-0.296 χ^2/NDF:523911.3/18

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1309.648+/-0.210 χ^2/NDF: 985348.1/41

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: 218.559+/-183.137 χ^2/NDF:2.4/3

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 167.310+/-188.596 χ^2/NDF:1.7/2

Left: 193.687+/-131.385 χ^2/NDF: 4.1/6

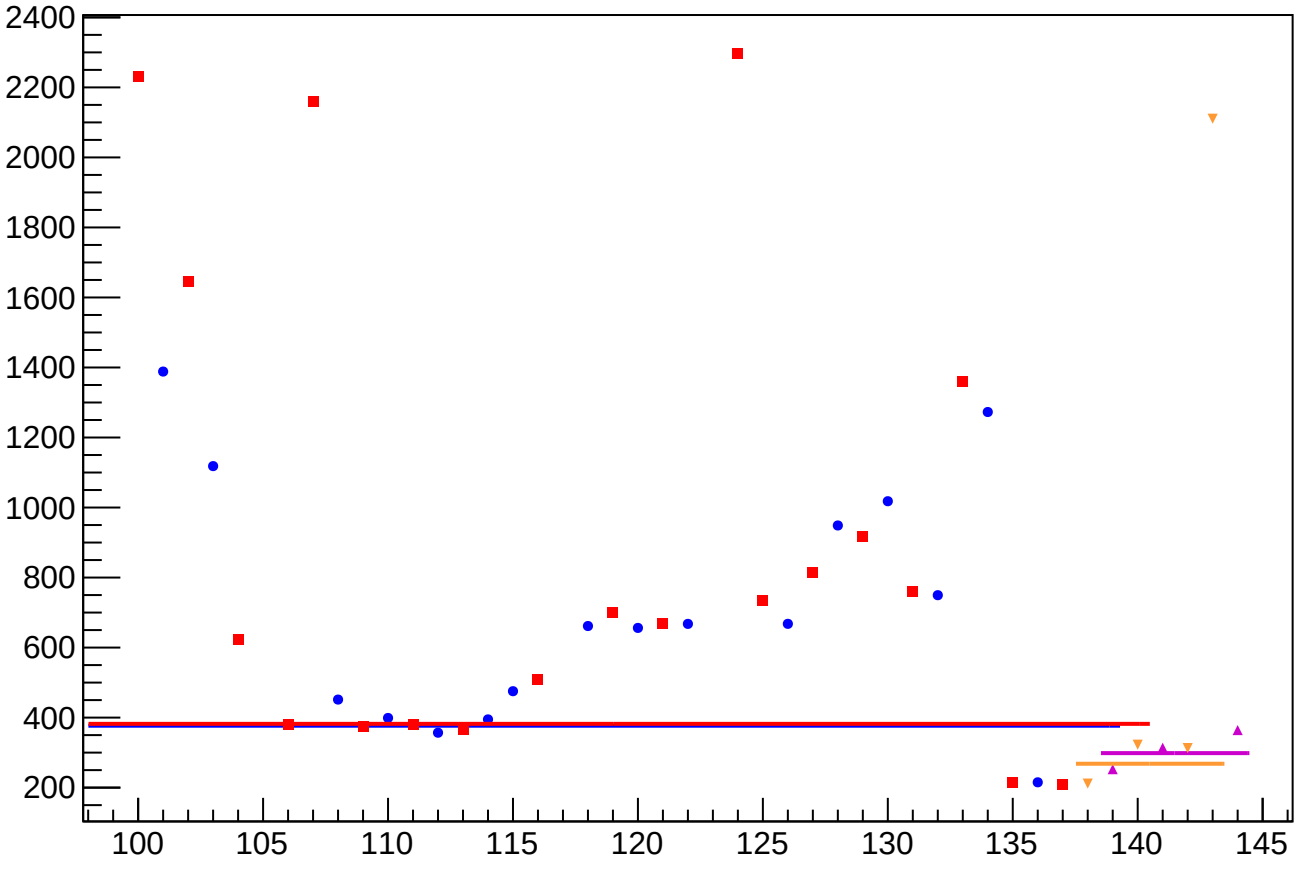
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -135.694+/-125.539 χ^2/NDF:24.3/18

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 38.655+/-88.345 χ^2/NDF: 44.6/41

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

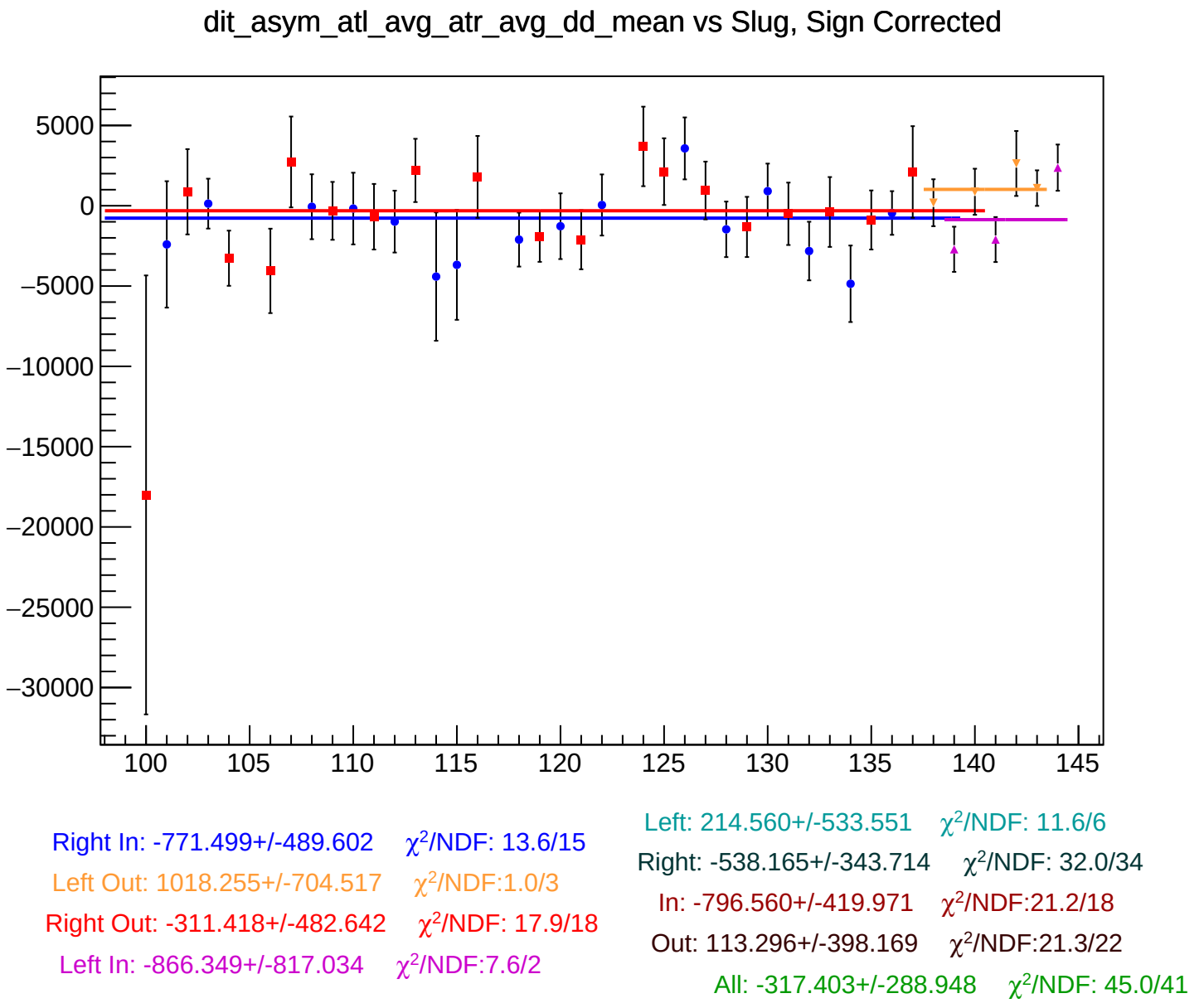
Left: 282.937+/-0.093 χ^2/NDF: 1552590.1/6

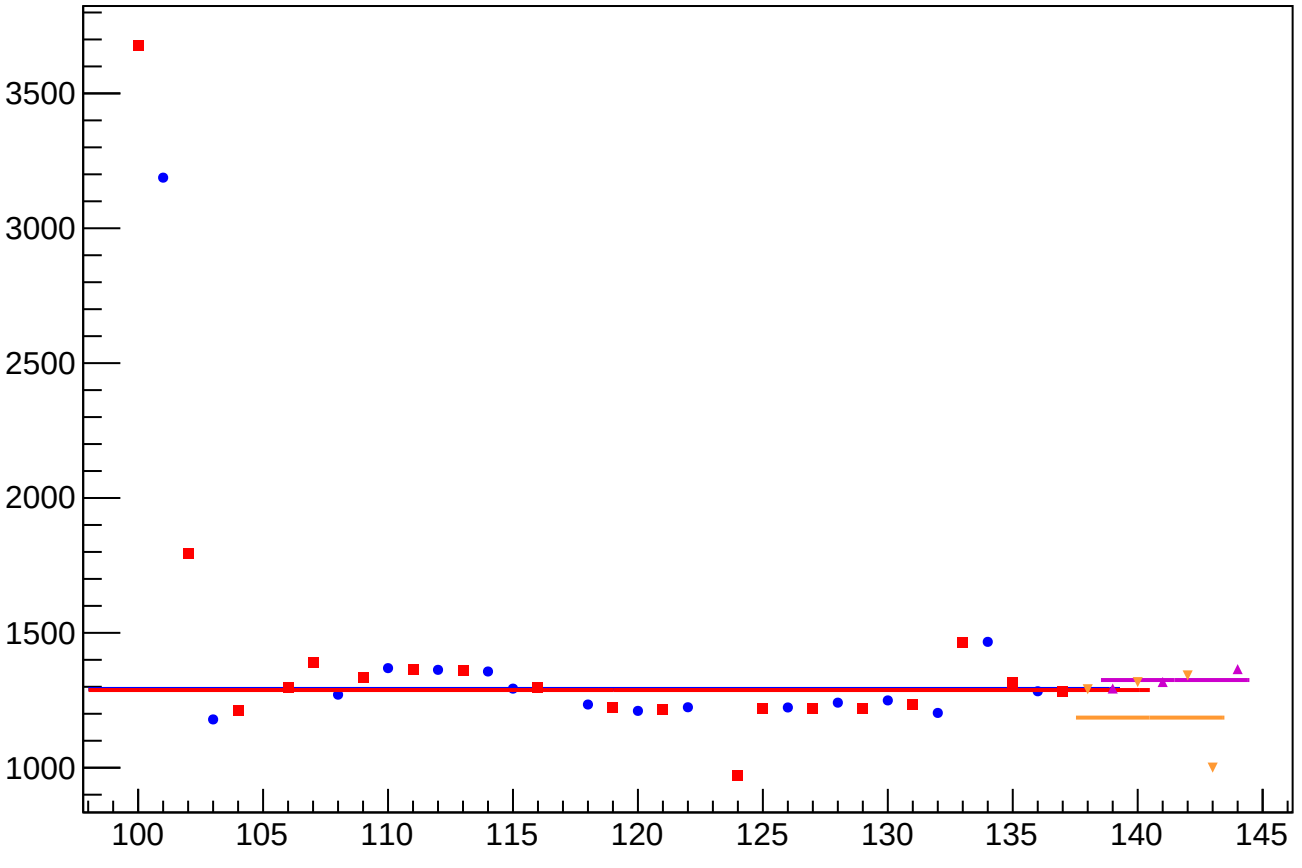
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 342.177+/-0.089 χ^2/NDF:4500369.8/18

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 335.835+/-0.062 χ^2/NDF: 10398256.0/41


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.255+/-704.517 χ²/NDF:1.0/3
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -866.349+/-817.034 χ²/NDF:7.6/2
Left: 214.560+/-533.551 χ²/NDF: 11.6/6
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -796.560+/-419.971 χ²/NDF:21.2/18
Out: 113.296+/-398.169 χ²/NDF:21.3/22
All: -317.403+/-288.948 χ²/NDF: 45.0/41



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

Left: 1245.200+/-0.377 χ^2/NDF: 131200.7/6

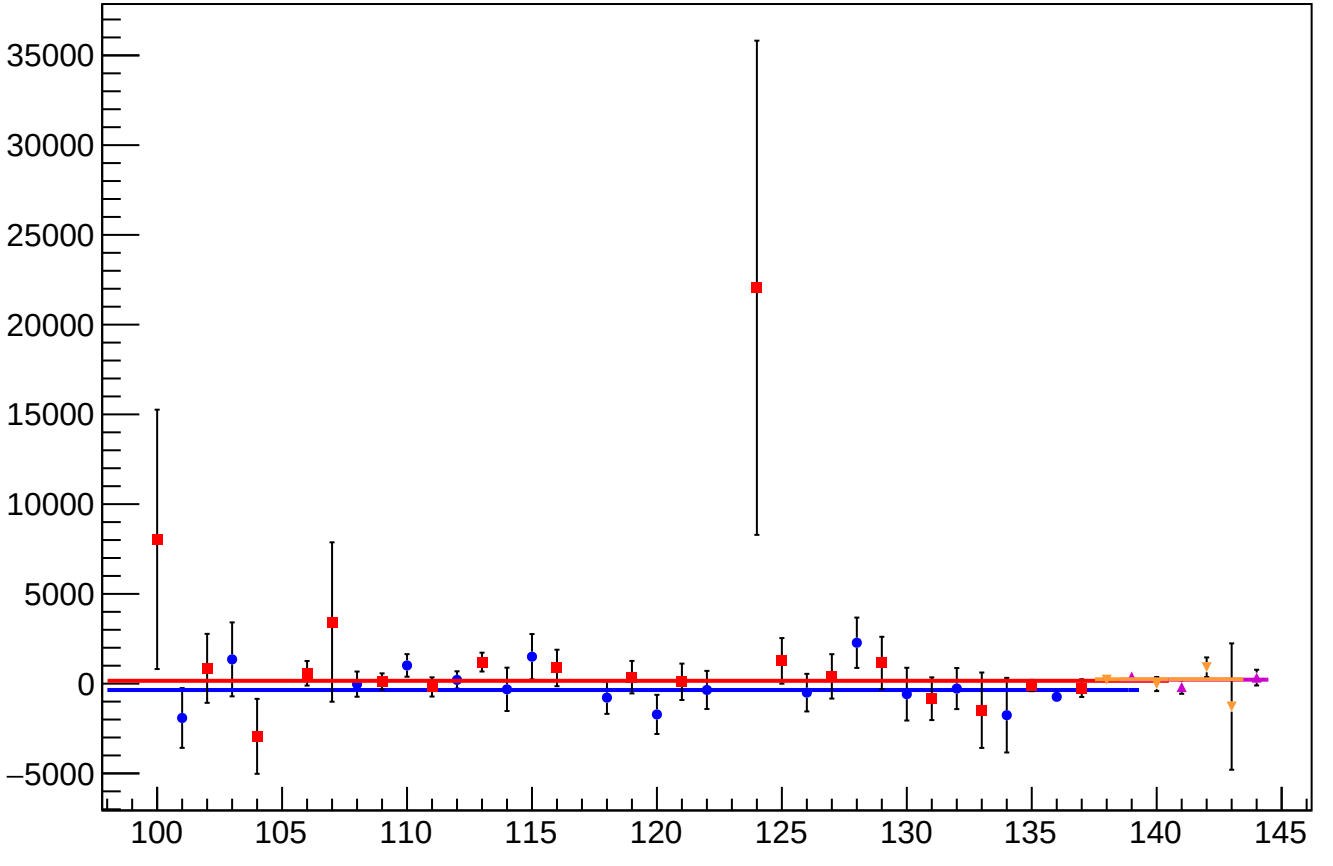
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1300.768+/-0.297 χ^2/NDF:514446.6/18

Out: 1255.350+/-0.282 χ^2/NDF:333078.0/22

All: 1276.850+/-0.204 χ^2/NDF: 859843.1/41

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 243.344+/-193.368 χ^2/NDF:2.2/3

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 221.121+/-199.020 χ^2/NDF:1.6/2

Left: 232.553+/-138.687 χ^2/NDF: 3.8/6

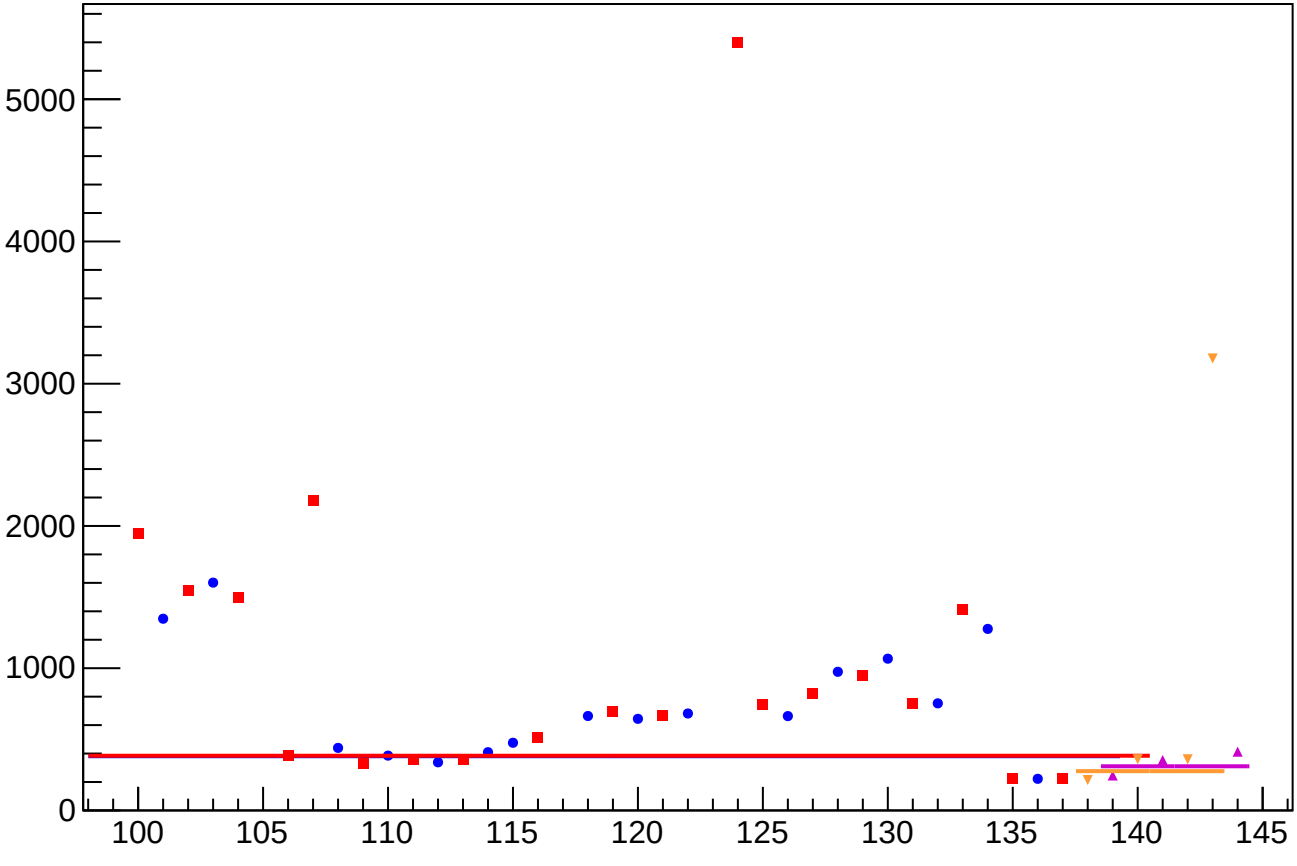
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -112.147+/-129.249 χ^2/NDF:24.9/18

Out: 195.080+/-127.532 χ^2/NDF:18.1/22

All: 43.521+/-90.780 χ^2/NDF: 45.9/41

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: 276.288+/-0.137 χ^2/NDF:1628852.6/3

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 310.495+/-0.141 χ^2/NDF:245603.0/2

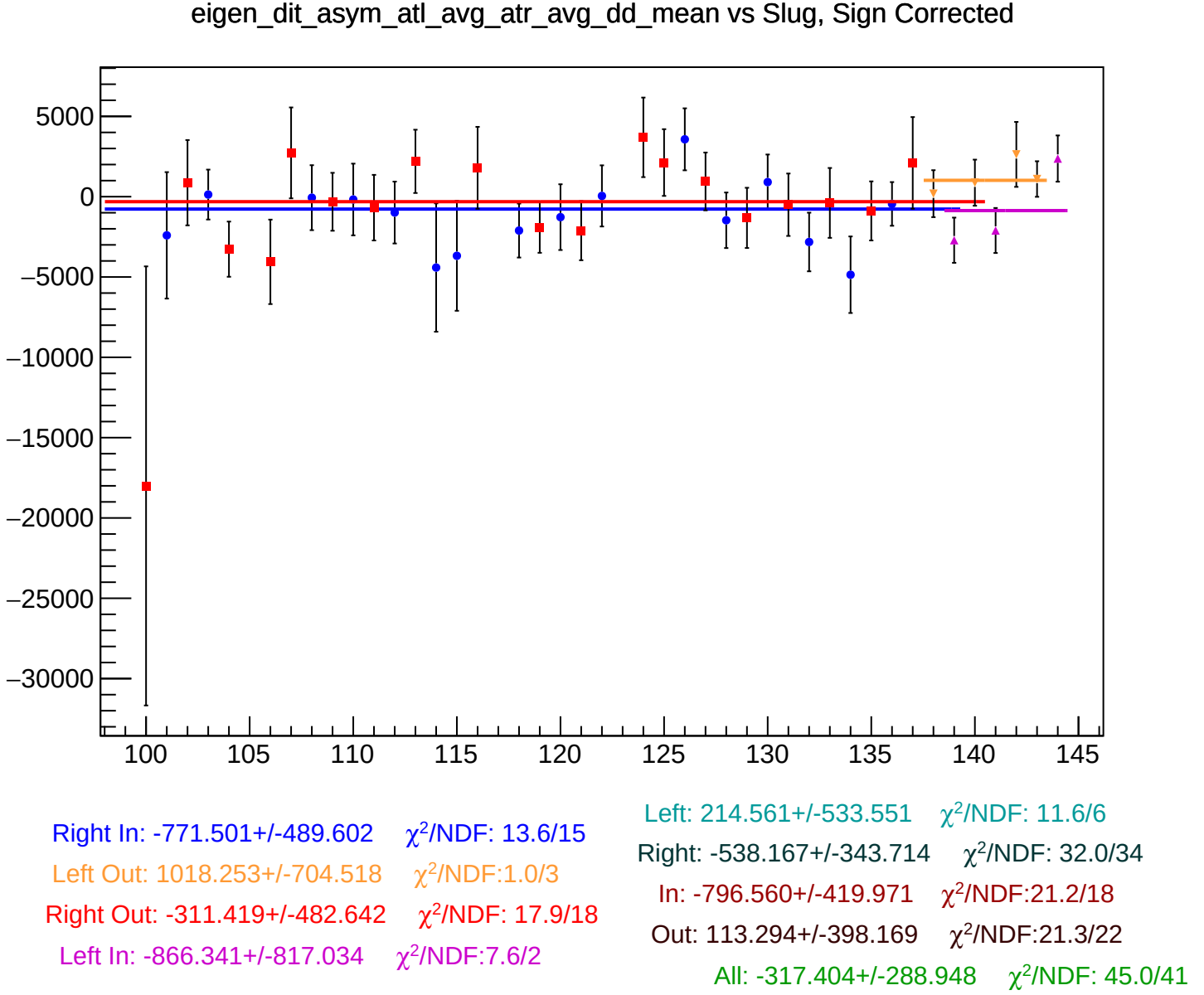
Left: 292.899+/-0.098 χ^2/NDF: 1904849.0/6

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 351.466+/-0.091 χ^2/NDF:4710104.3/18

Out: 337.514+/-0.090 χ^2/NDF:6543941.8/22

All: 344.397+/-0.064 χ^2/NDF: 11265853.5/41


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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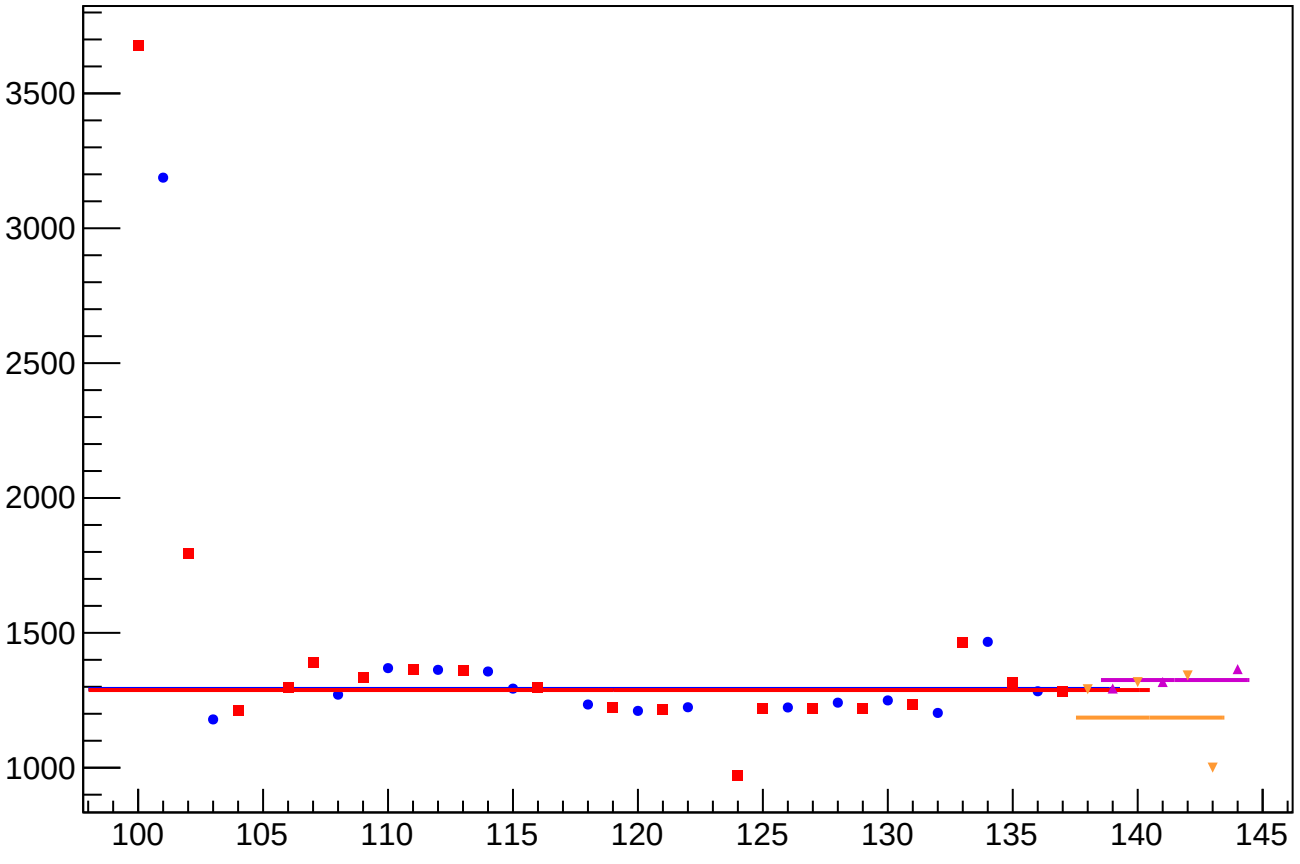
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.253+/-704.518 χ²/NDF:1.0/3
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -866.341+/-817.034 χ²/NDF:7.6/2
Left: 214.561+/-533.551 χ²/NDF: 11.6/6
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -796.560+/-419.971 χ²/NDF:21.2/18
Out: 113.294+/-398.169 χ²/NDF:21.3/22
All: -317.404+/-288.948 χ²/NDF: 45.0/41



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95234.6/3

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

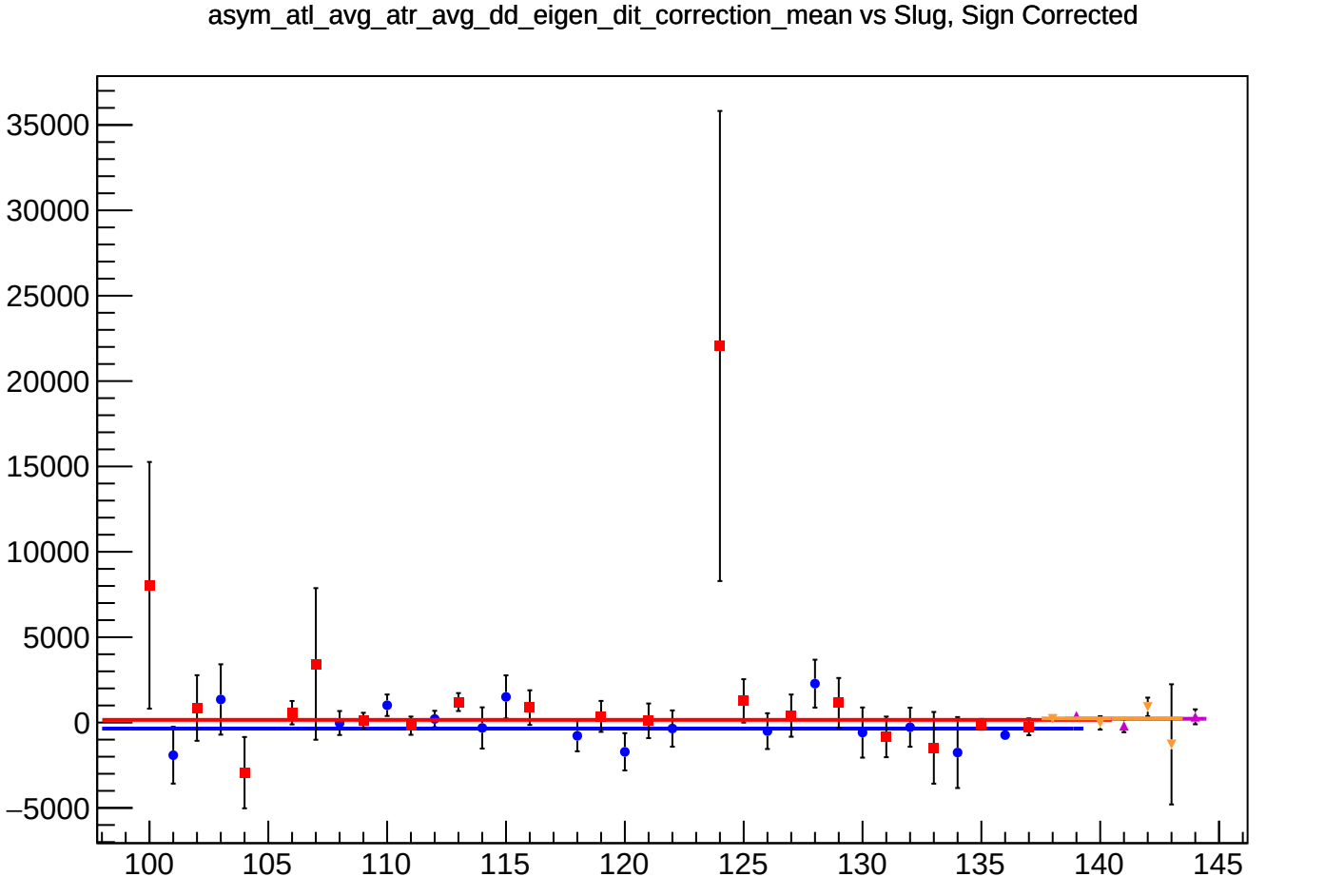
Left: 1245.200+/-0.377 χ^2/NDF: 131199.9/6

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1300.768+/-0.297 χ^2/NDF:514446.6/18

Out: 1255.350+/-0.282 χ^2/NDF:333077.4/22

All: 1276.850+/-0.204 χ^2/NDF: 859842.4/41



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 243.355+/-193.376 χ^2/NDF:2.2/3

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 221.125+/-199.027 χ^2/NDF:1.6/2

Left: 232.561+/-138.692 χ^2/NDF: 3.8/6

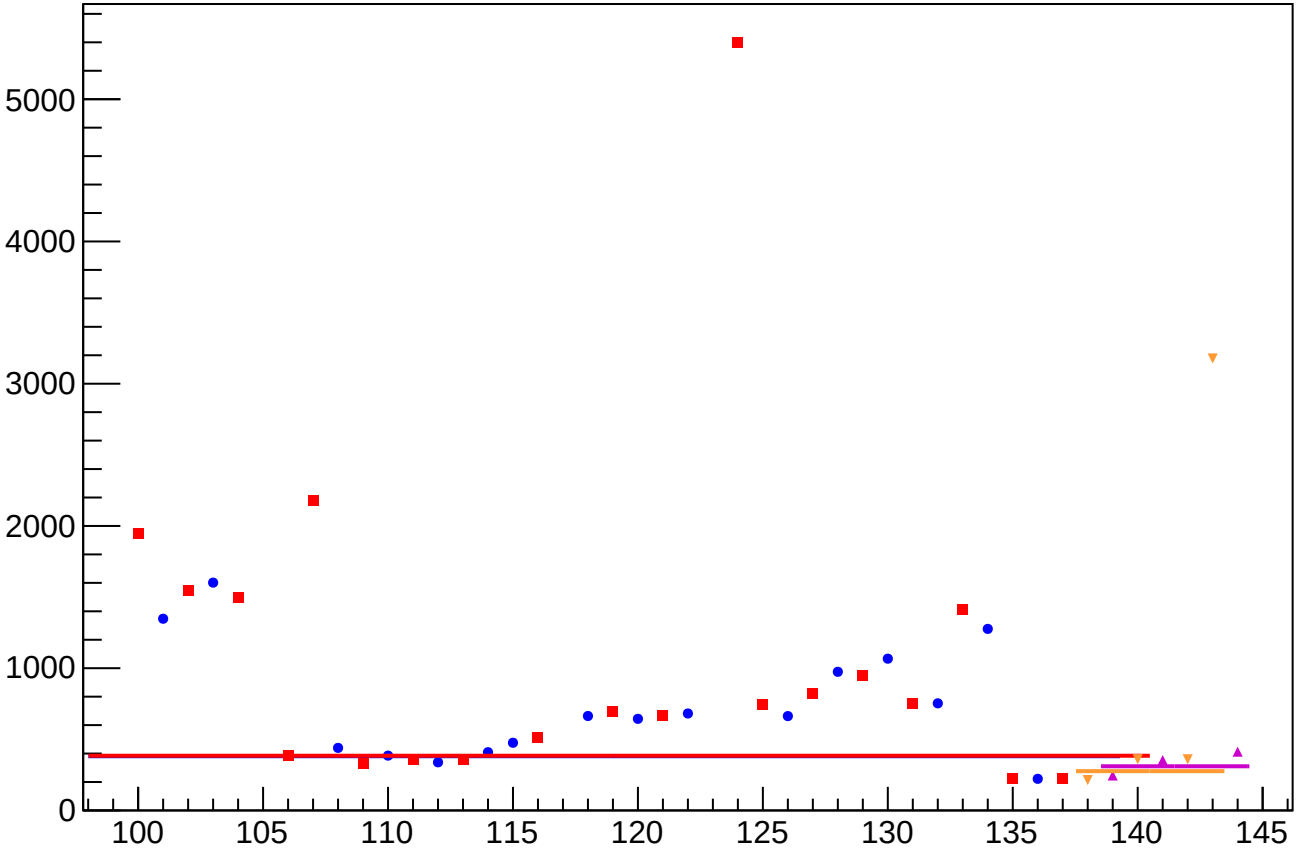
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -112.150+/-129.253 χ^2/NDF:24.9/18

Out: 195.087+/-127.536 χ^2/NDF:18.1/22

All: 43.522+/-90.782 χ^2/NDF: 45.9/41

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: 276.302+/-0.137 χ^2/NDF:1628791.9/3

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 310.509+/-0.141 χ^2/NDF:245546.3/2

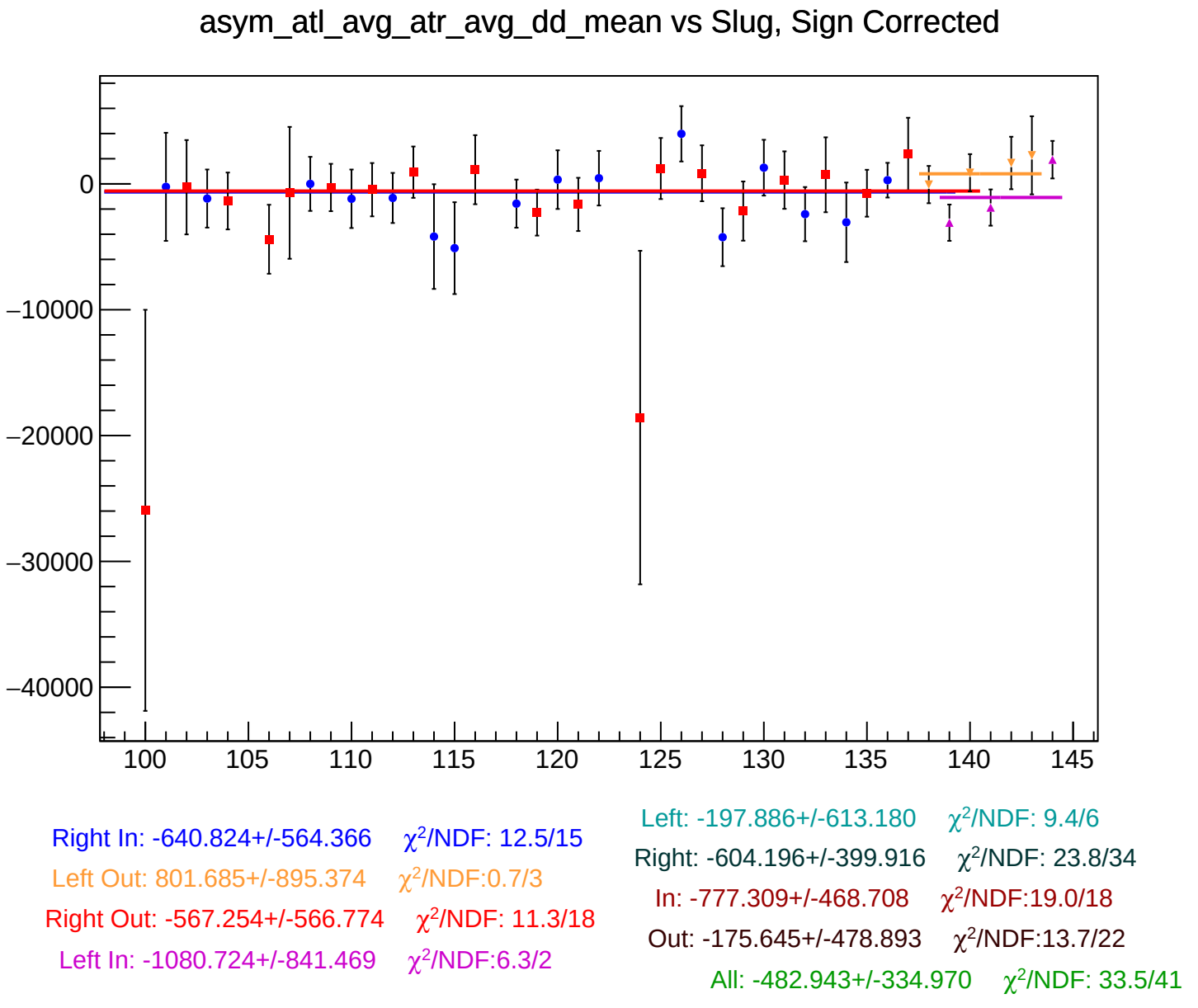
Left: 292.913+/-0.098 χ^2/NDF: 1904727.7/6

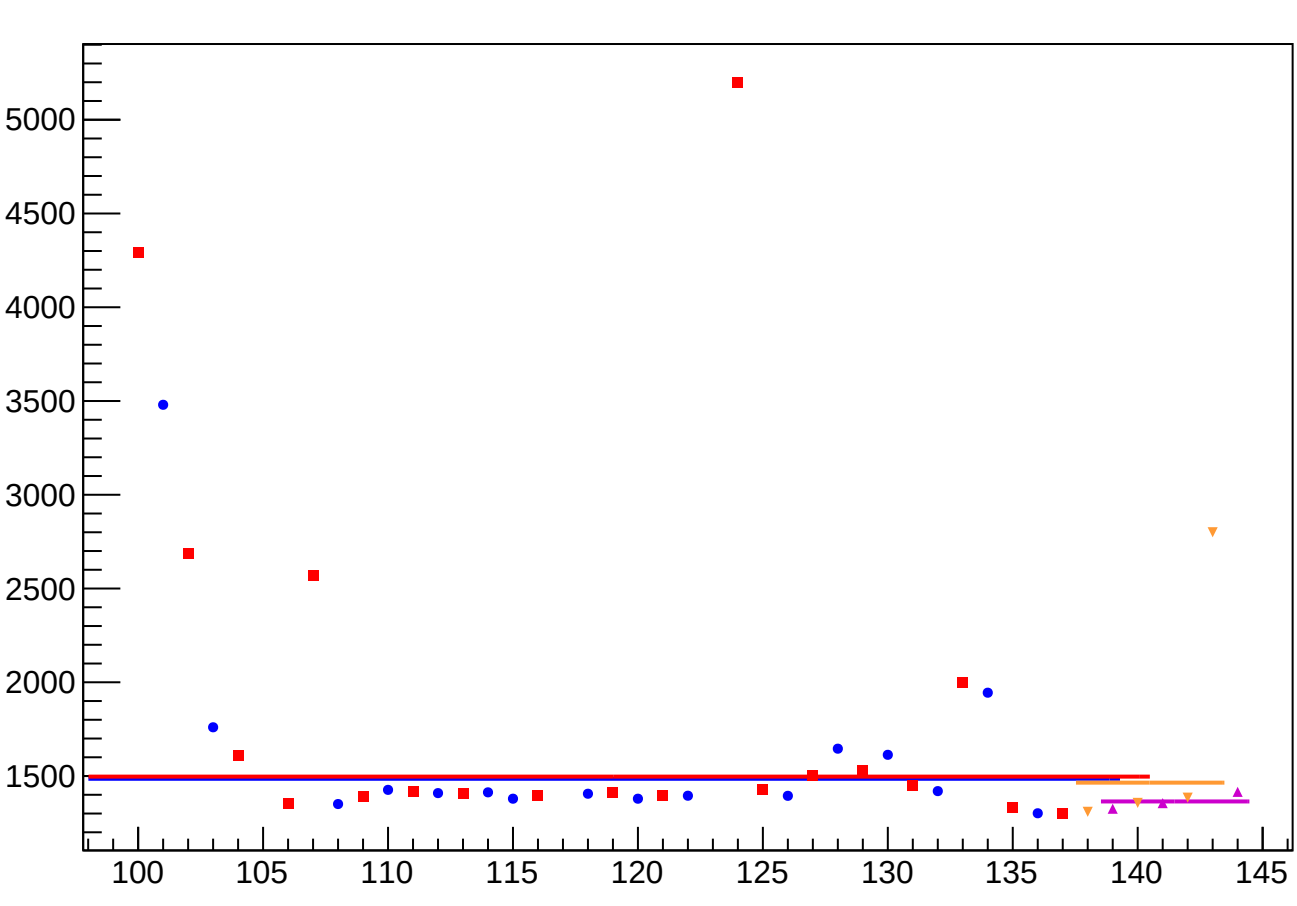
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 351.478+/-0.091 χ^2/NDF:4709841.4/18

Out: 337.527+/-0.090 χ^2/NDF:6543678.6/22

All: 344.409+/-0.064 χ^2/NDF: 11265326.6/41


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 801.685+/-895.374 χ²/NDF:0.7/3
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -1080.724+/-841.469 χ²/NDF:6.3/2
Left: -197.886+/-613.180 χ²/NDF: 9.4/6
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -777.309+/-468.708 χ²/NDF:19.0/18
Out: -175.645+/-478.893 χ²/NDF:13.7/22
All: -482.943+/-334.970 χ²/NDF: 33.5/41



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1364.434+/-0.595 χ^2/NDF:3888.0/2

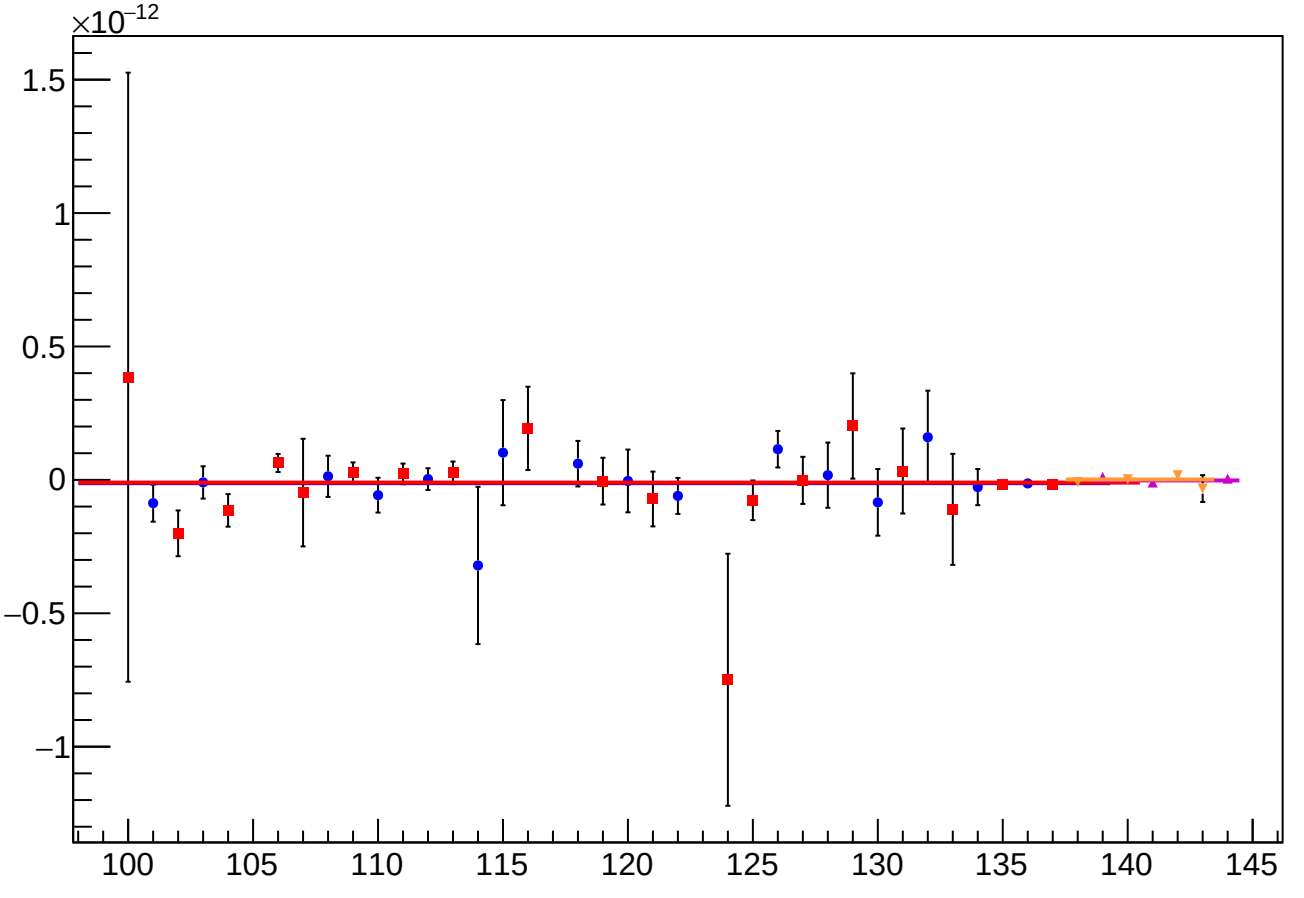
Left: 1411.468+/-0.434 χ^2/NDF: 423210.2/6

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1447.848+/-0.331 χ^2/NDF:616851.7/18

Out: 1487.670+/-0.339 χ^2/NDF:1031132.0/22

All: 1467.331+/-0.237 χ^2/NDF: 1655046.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/2

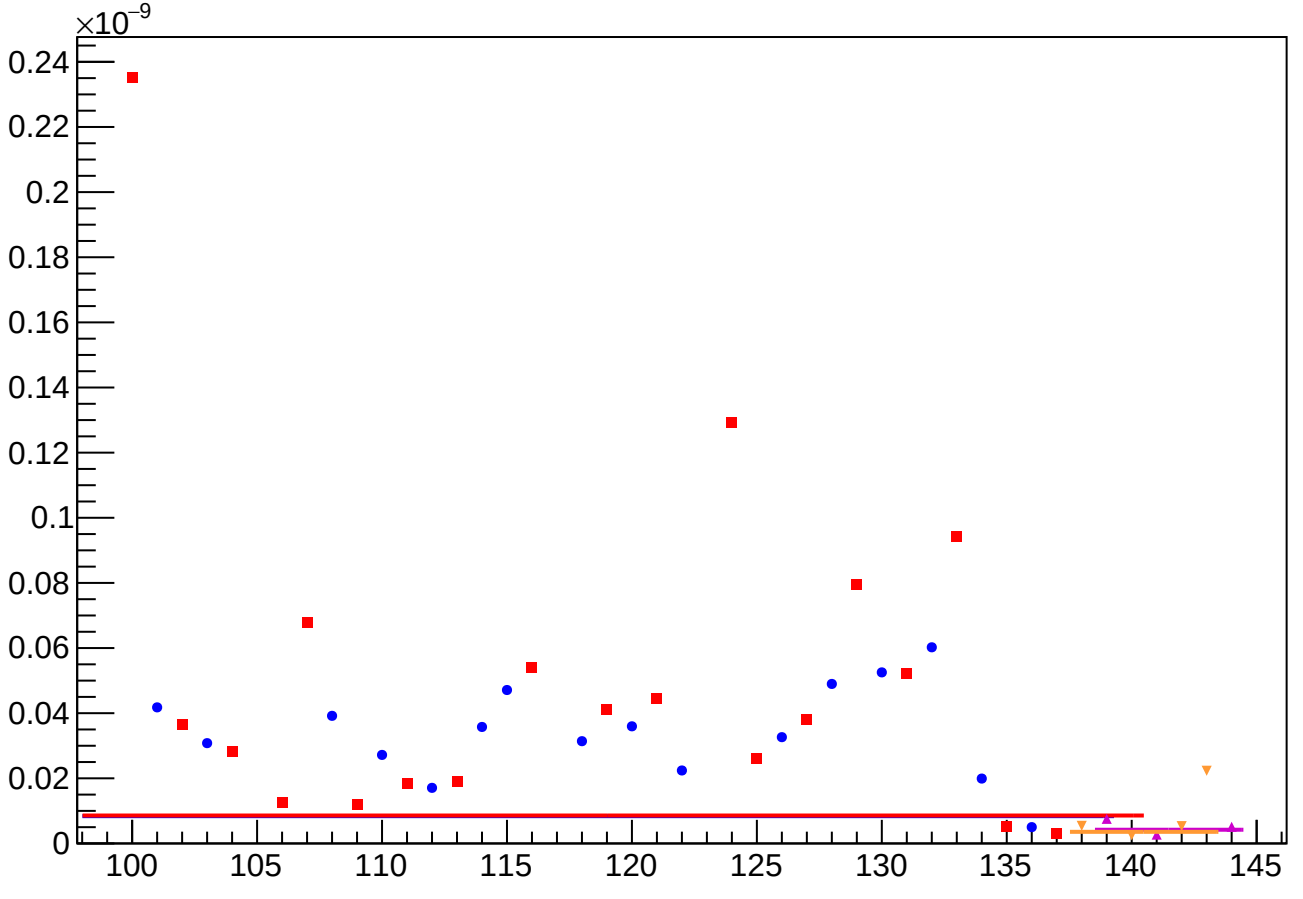
Left: -0.000+/-0.000 χ^2/NDF: 8.1/6

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:14.9/18

Out: -0.000+/-0.000 χ^2/NDF:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 43.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:352869.2/2

Left: 0.000+/-0.000 χ^2/NDF: 886937.3/6

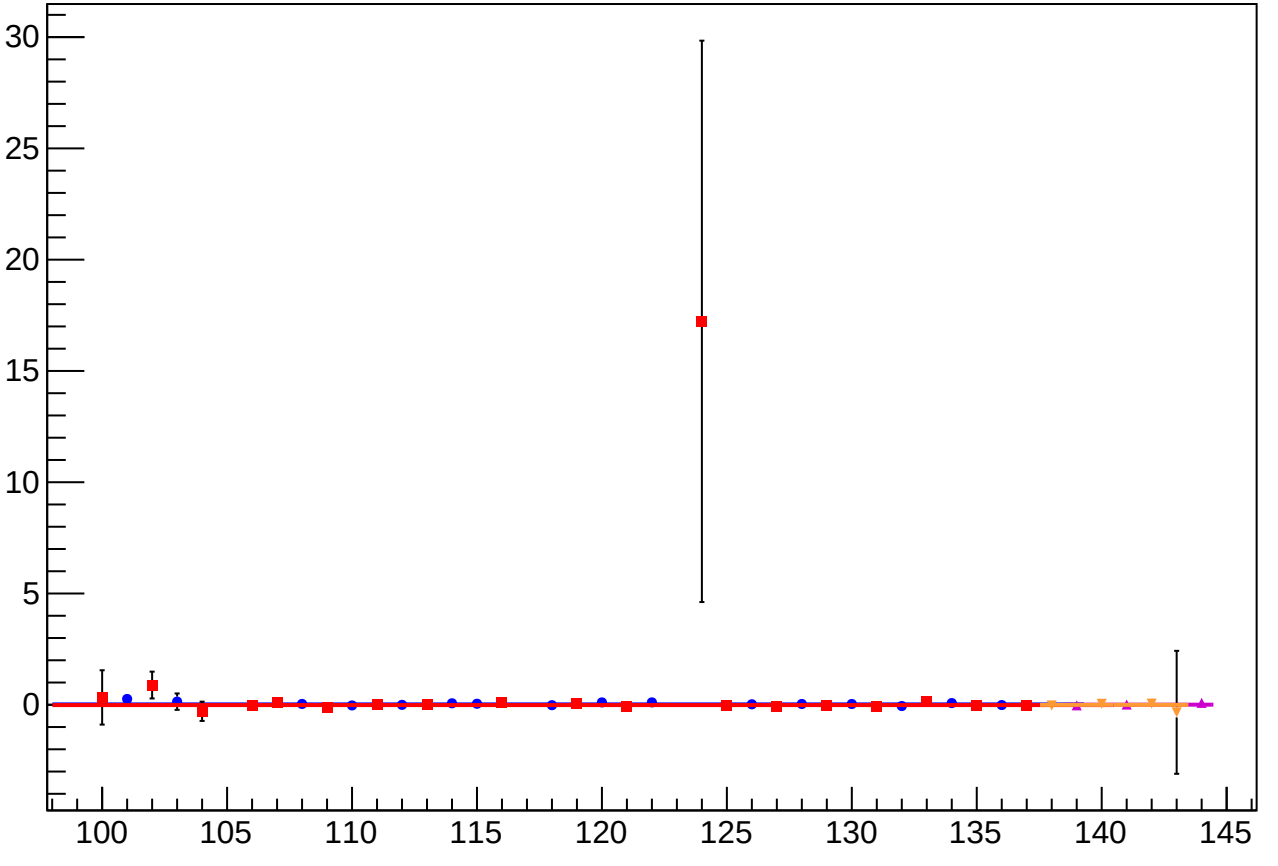
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3883403.5/18

Out: 0.000+/-0.000 χ^2/NDF:4485555.7/22

All: 0.000+/-0.000 χ^2/NDF: 8406494.0/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

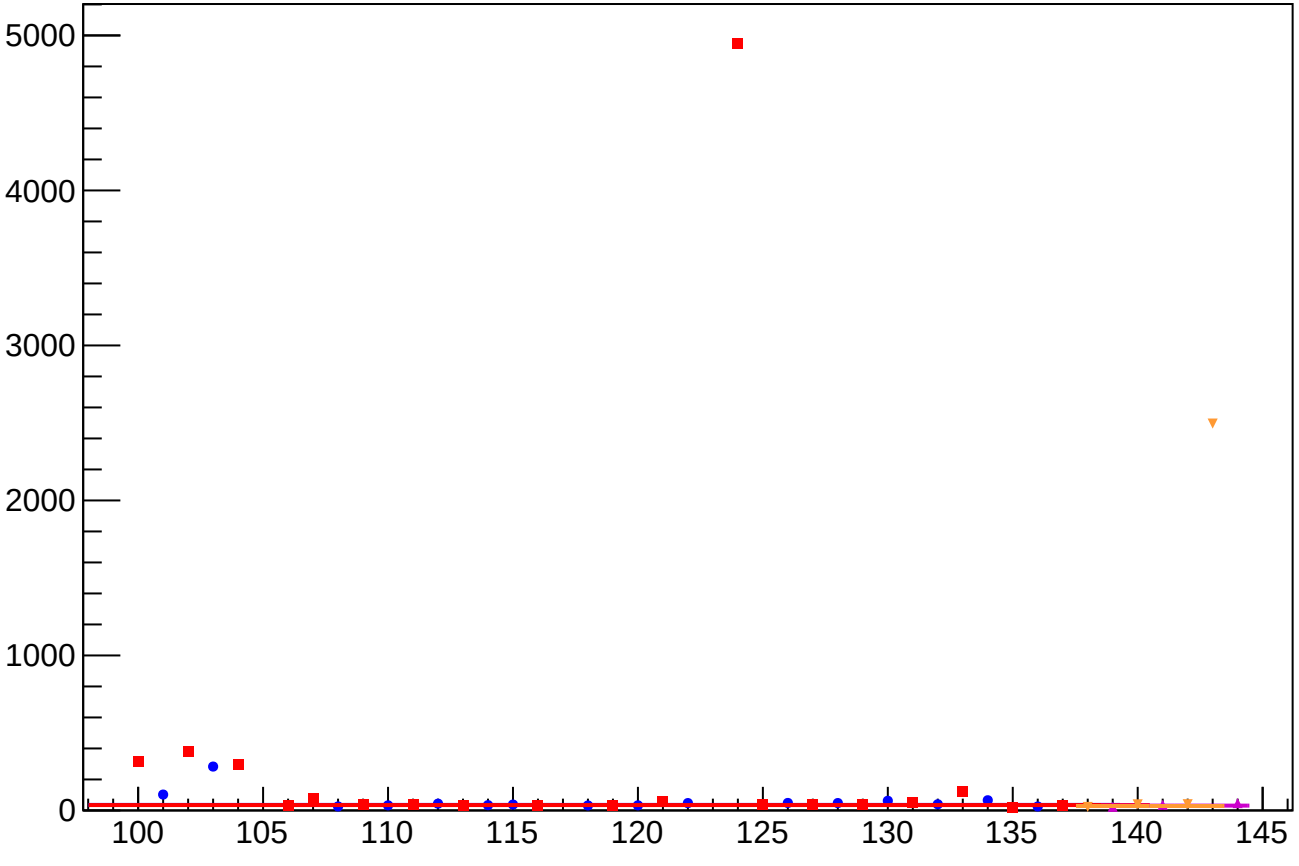
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

Left: 29.983+/-0.011 χ^2/NDF: 2245290.8/6

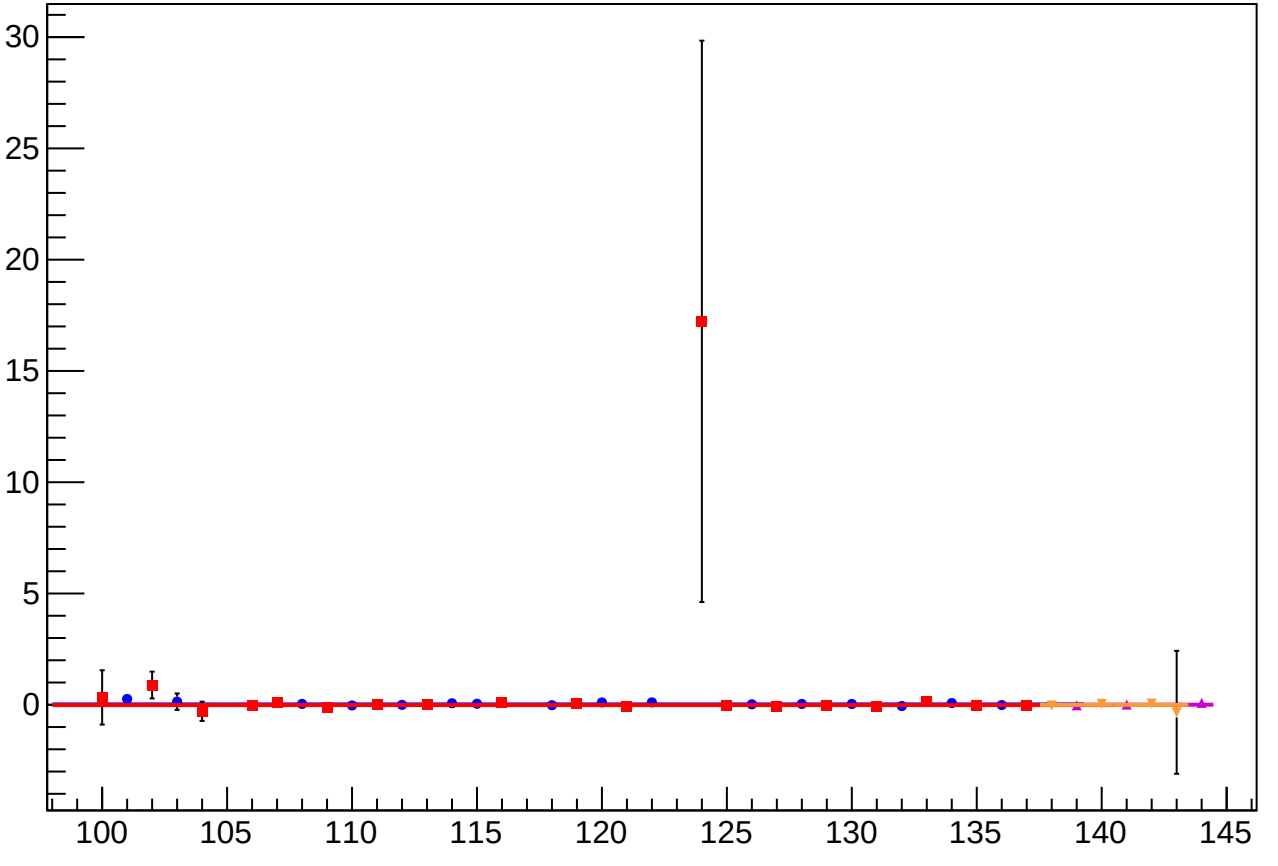
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.247+/-0.009 χ^2/NDF:2686210.2/18

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.525+/-0.006 χ^2/NDF: 7581435.8/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

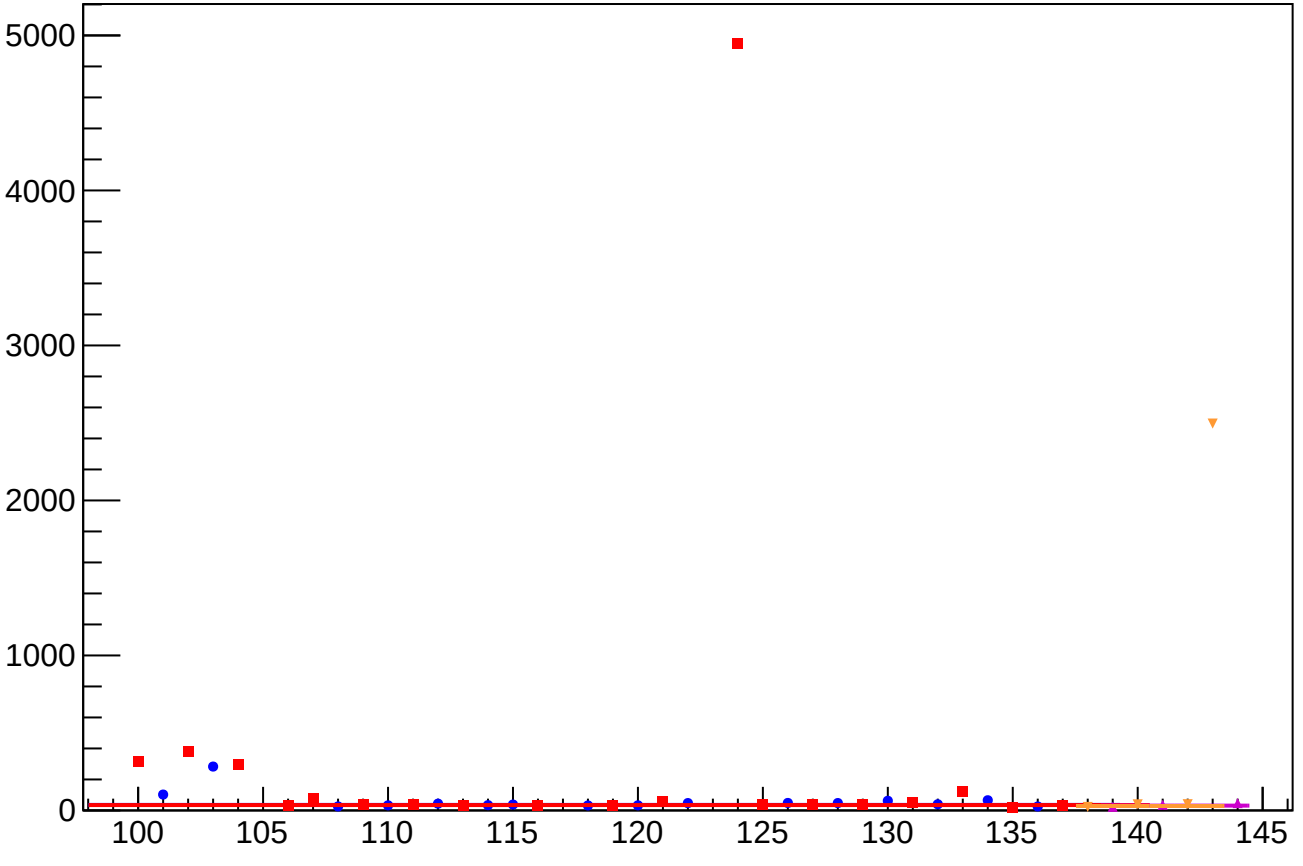
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

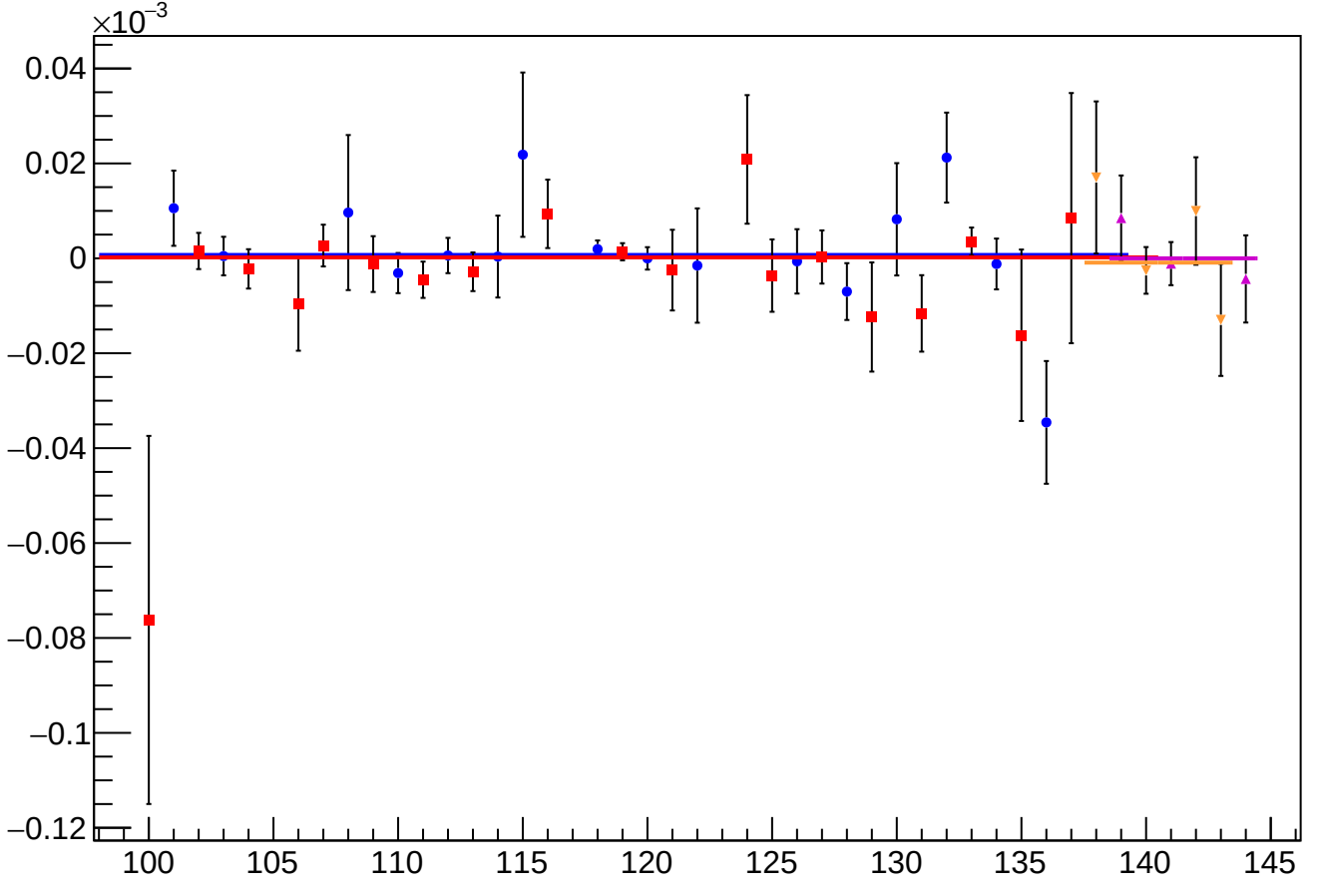
Left: 29.983+/-0.011 χ^2/NDF: 2245290.8/6

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.247+/-0.009 χ^2/NDF:2686210.2/18

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.525+/-0.006 χ^2/NDF: 7581435.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

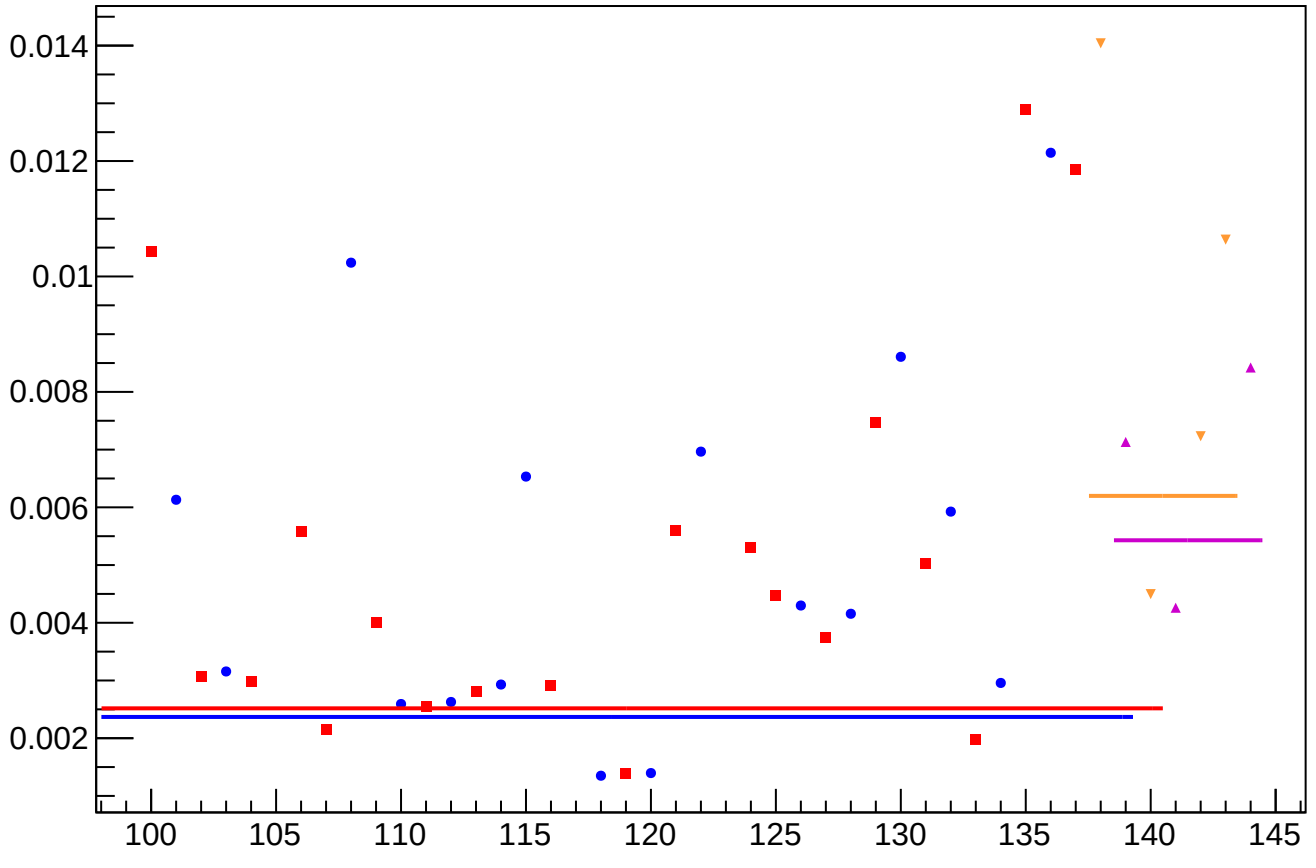
Left: -0.000+/-0.000 χ^2/NDF: 4.5/6

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.3/18

Out: 0.000+/-0.000 χ^2/NDF:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 41.9/41



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:416679.3/2

Left: 0.006+/-0.000 χ^2/NDF: 1472999.3/6

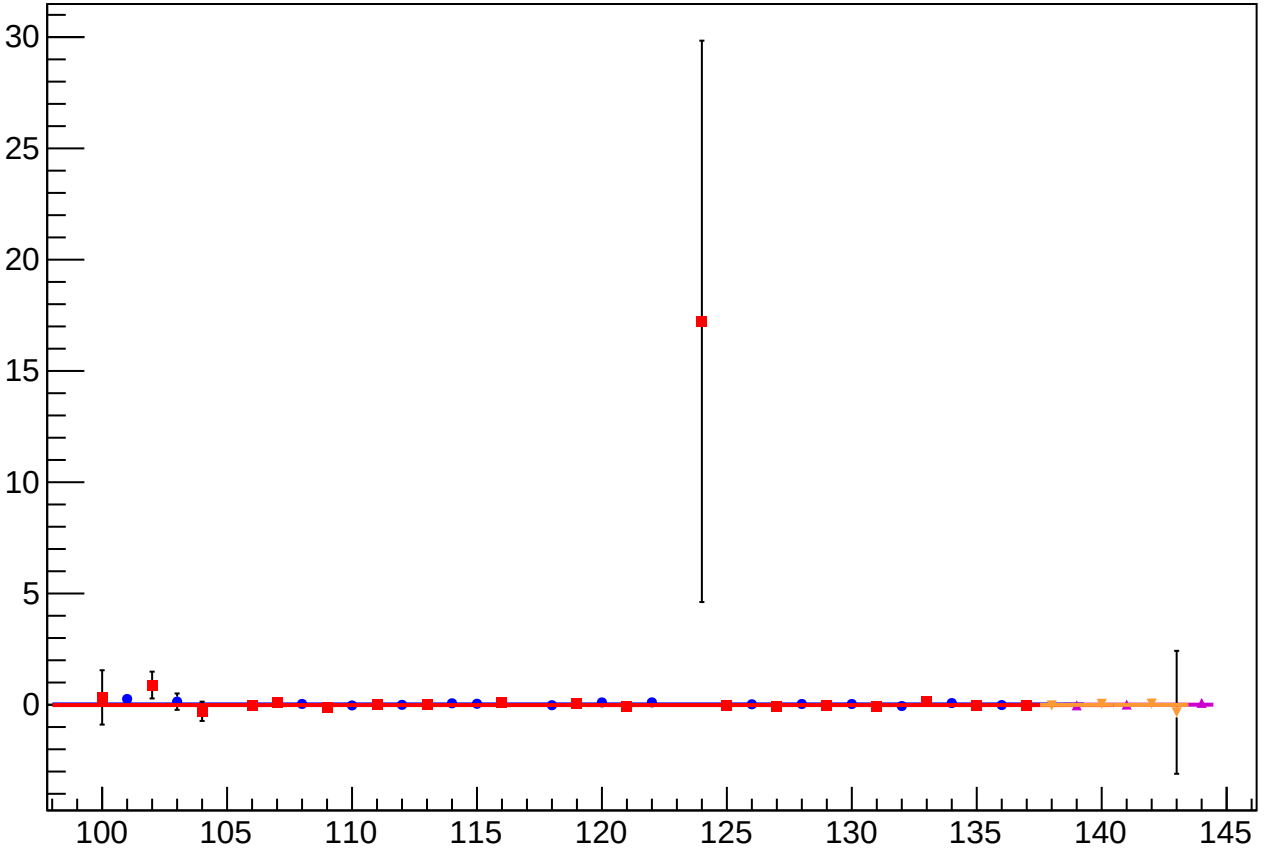
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6389579.1/18

Out: 0.003+/-0.000 χ^2/NDF:5942351.8/22

All: 0.003+/-0.000 χ^2/NDF: 12348371.3/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

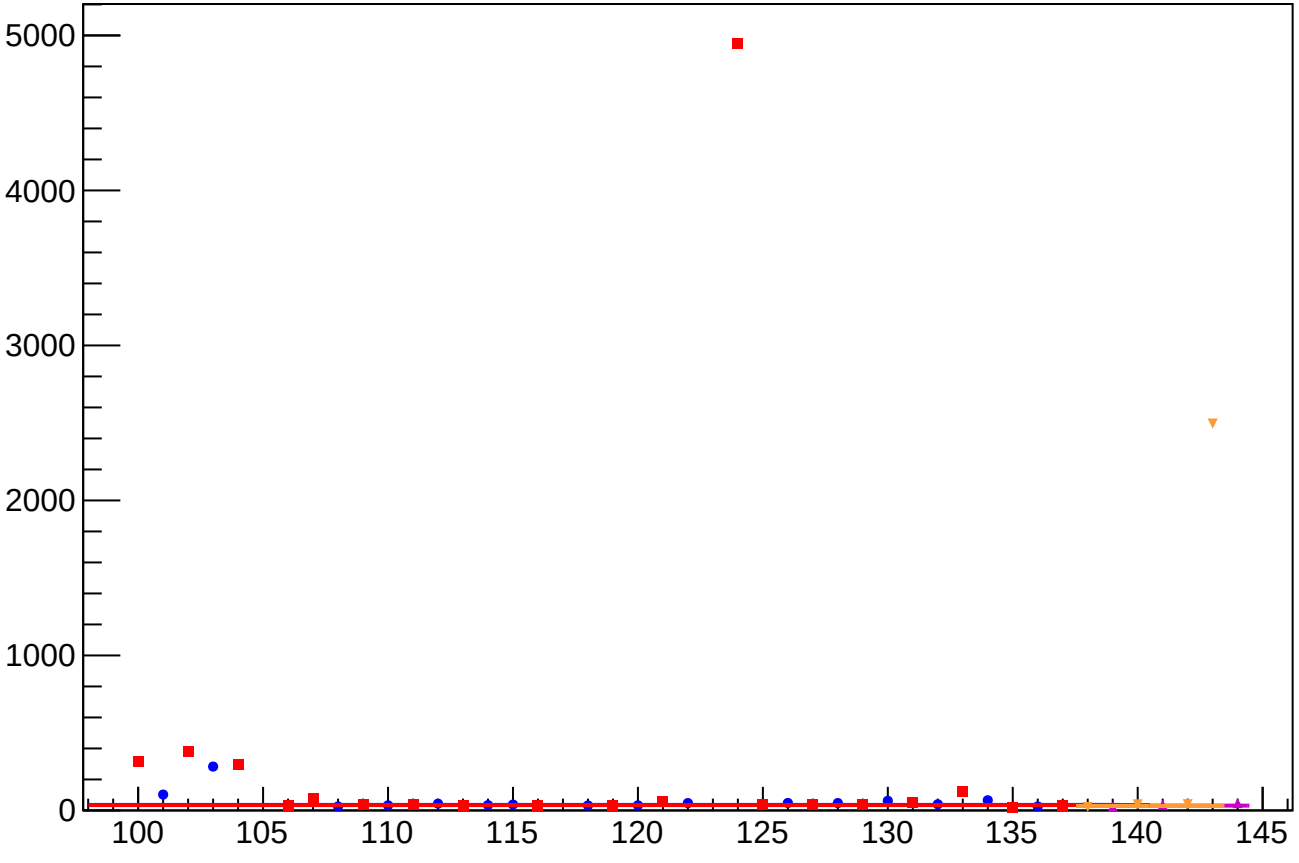
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

Left: 29.981+/-0.011 χ^2/NDF: 2245718.9/6

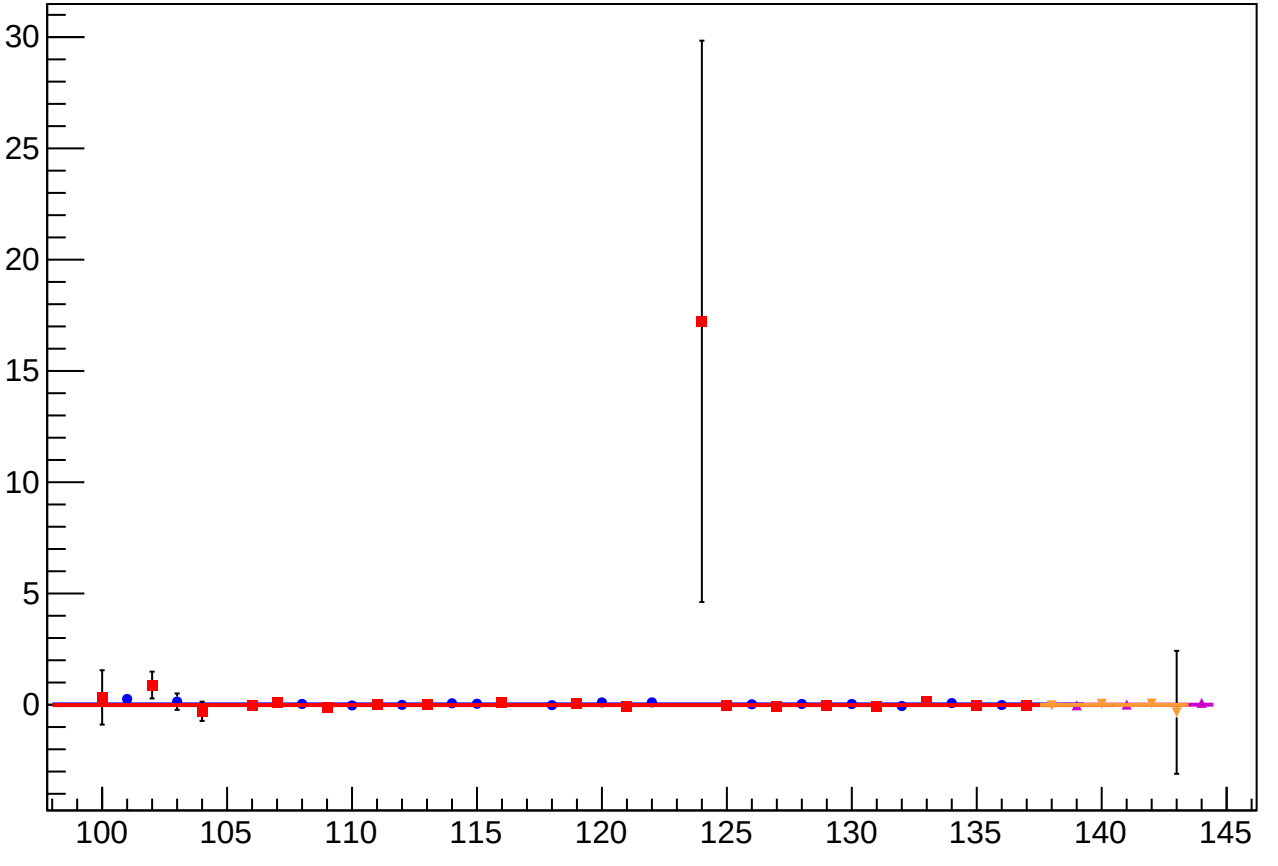
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.247+/-0.009 χ^2/NDF:2686385.5/18

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.525+/-0.006 χ^2/NDF: 7581618.6/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

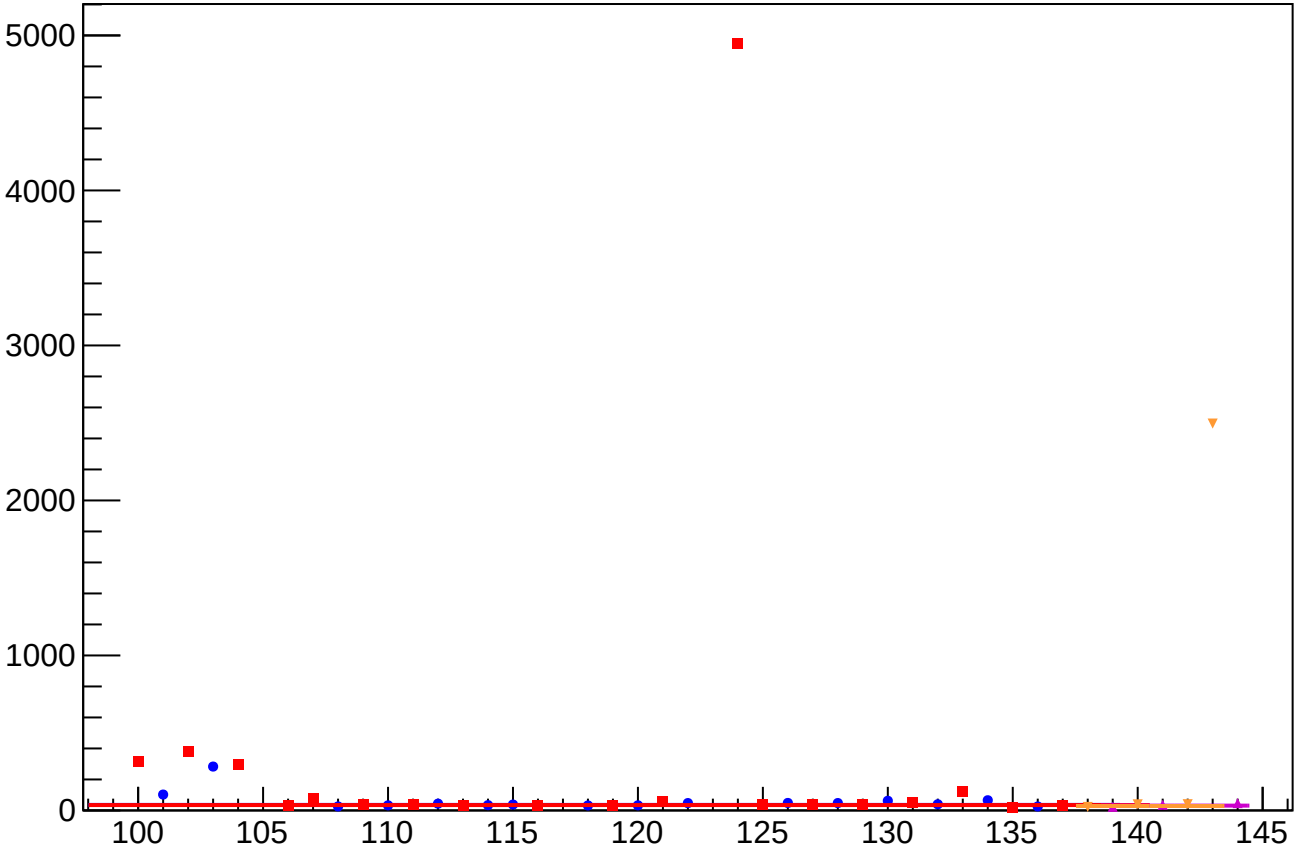
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

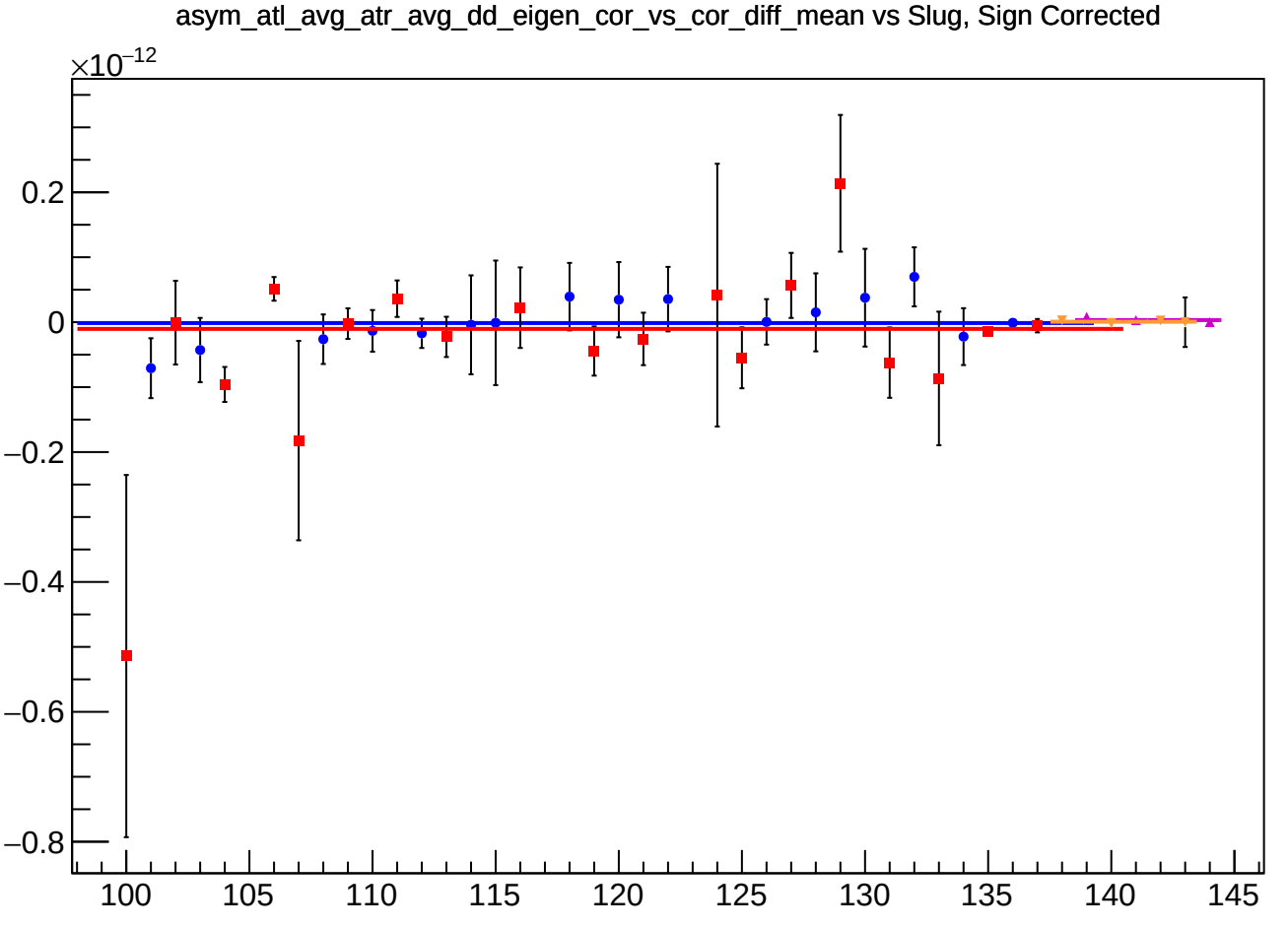
Left: 29.981+/-0.011 χ^2/NDF: 2245718.9/6

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.247+/-0.009 χ^2/NDF:2686385.5/18

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.525+/-0.006 χ^2/NDF: 7581618.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

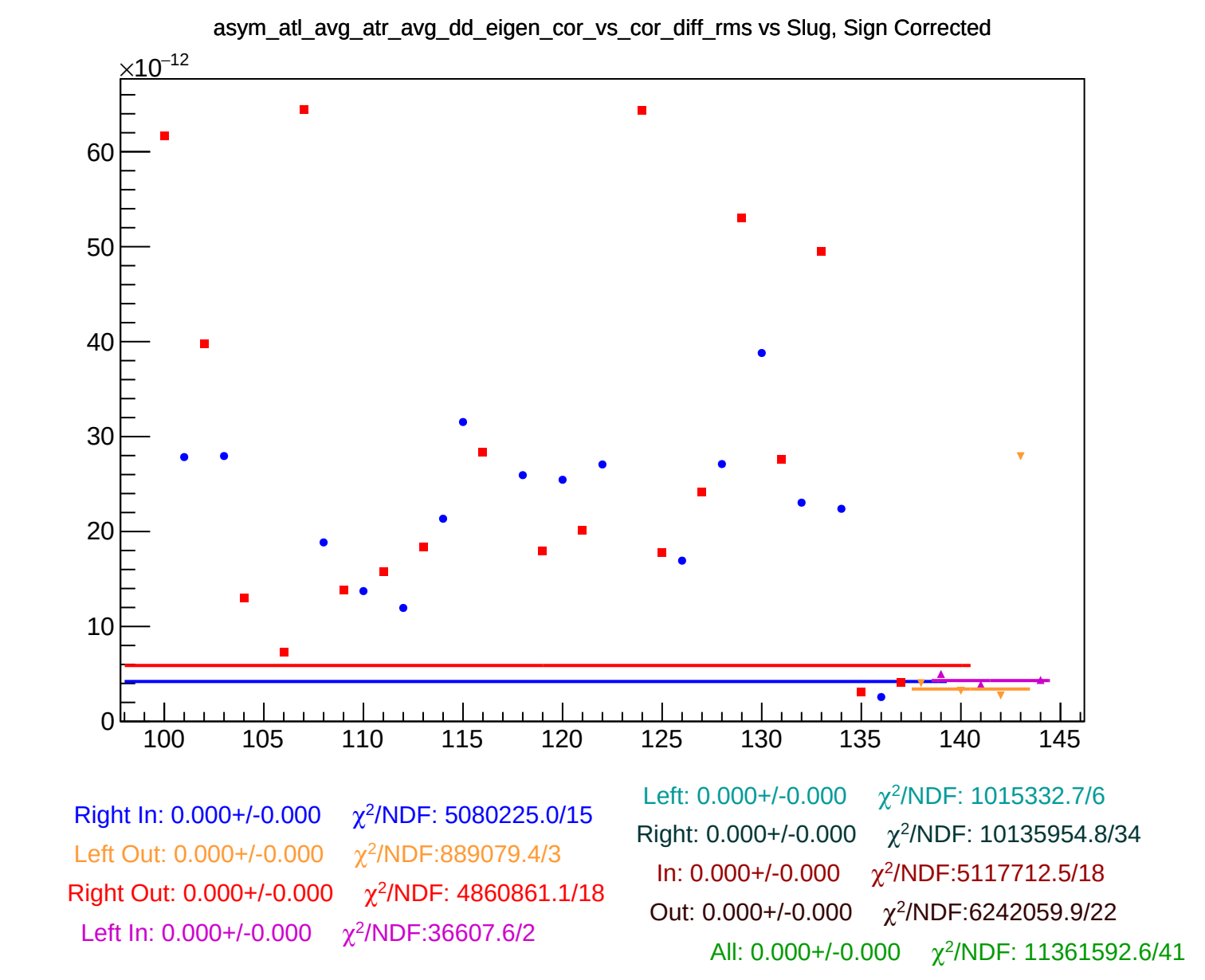
Left: 0.000+/-0.000 χ^2/NDF: 1.8/6

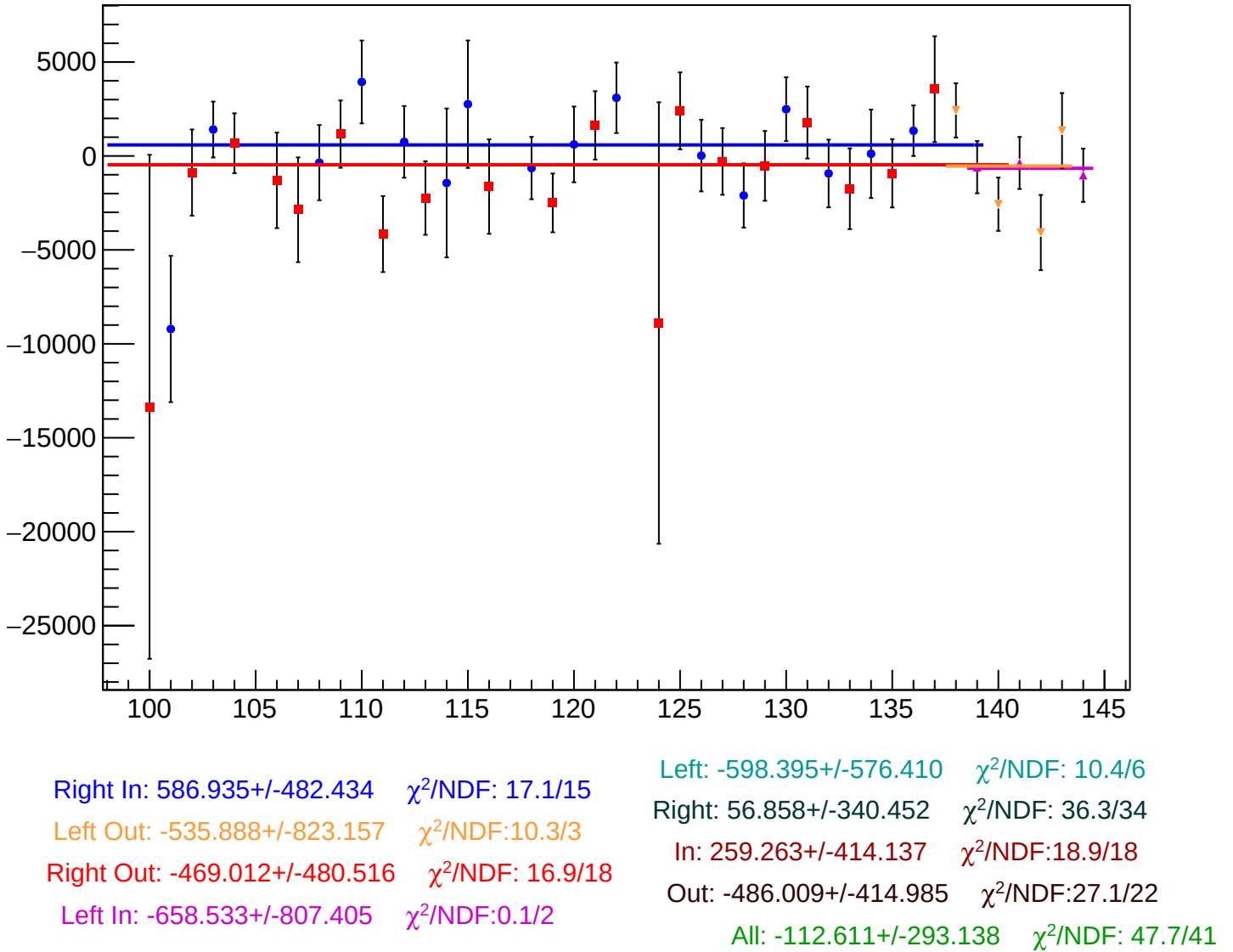
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

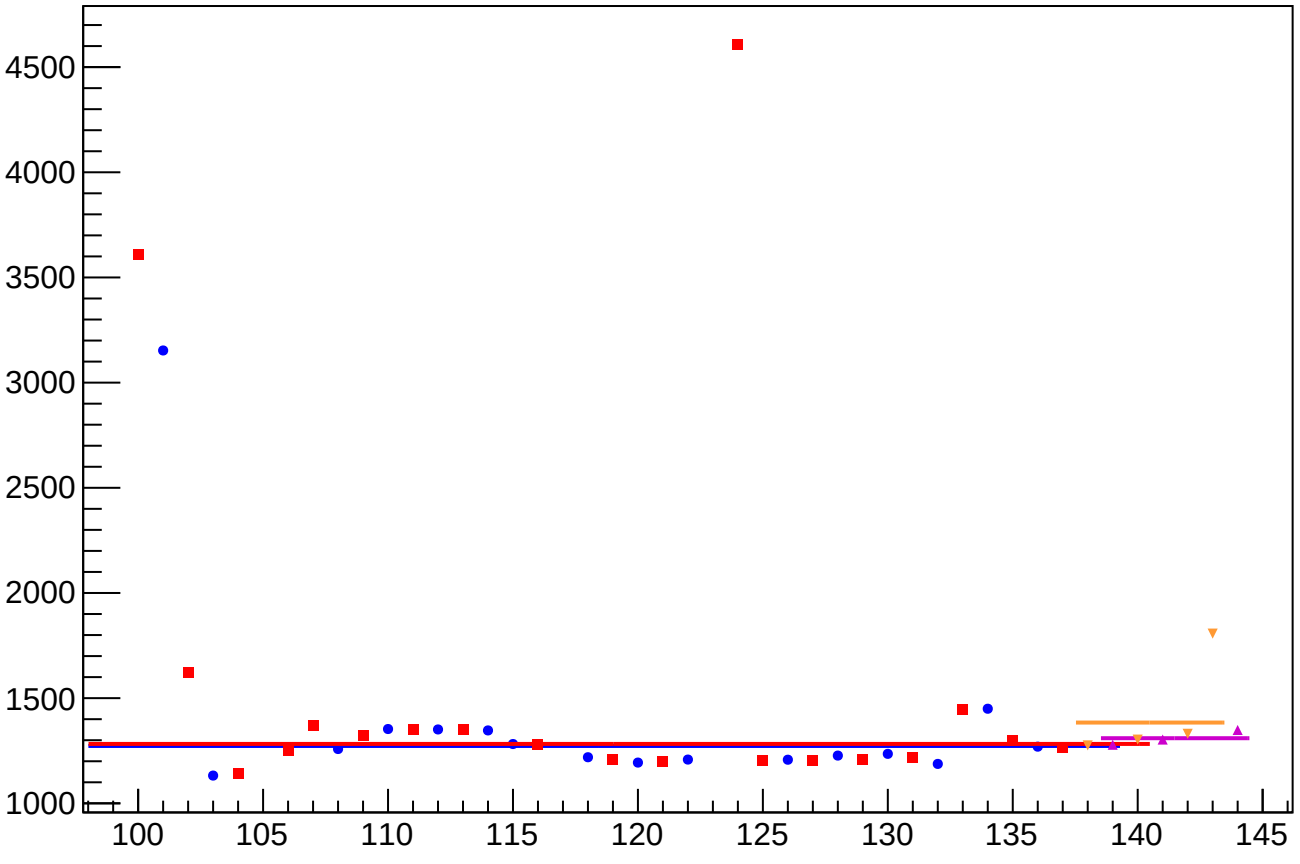
In: 0.000+/-0.000 χ^2/NDF:10.5/18

Out: -0.000+/-0.000 χ^2/NDF:45.3/22

All: -0.000+/-0.000 χ^2/NDF: 57.1/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889079.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:36607.6/2
Left: 0.000+/-0.000 χ²/NDF: 1015332.7/6
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5117712.5/18
Out: 0.000+/-0.000 χ²/NDF:6242059.9/22
All: 0.000+/-0.000 χ²/NDF: 11361592.6/41


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -535.888+/-823.157 χ²/NDF:10.3/3
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -658.533+/-807.405 χ²/NDF:0.1/2
Left: -598.395+/-576.410 χ²/NDF: 10.4/6
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 259.263+/-414.137 χ²/NDF:18.9/18
Out: -486.009+/-414.985 χ²/NDF:27.1/22
All: -112.611+/-293.138 χ²/NDF: 47.7/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

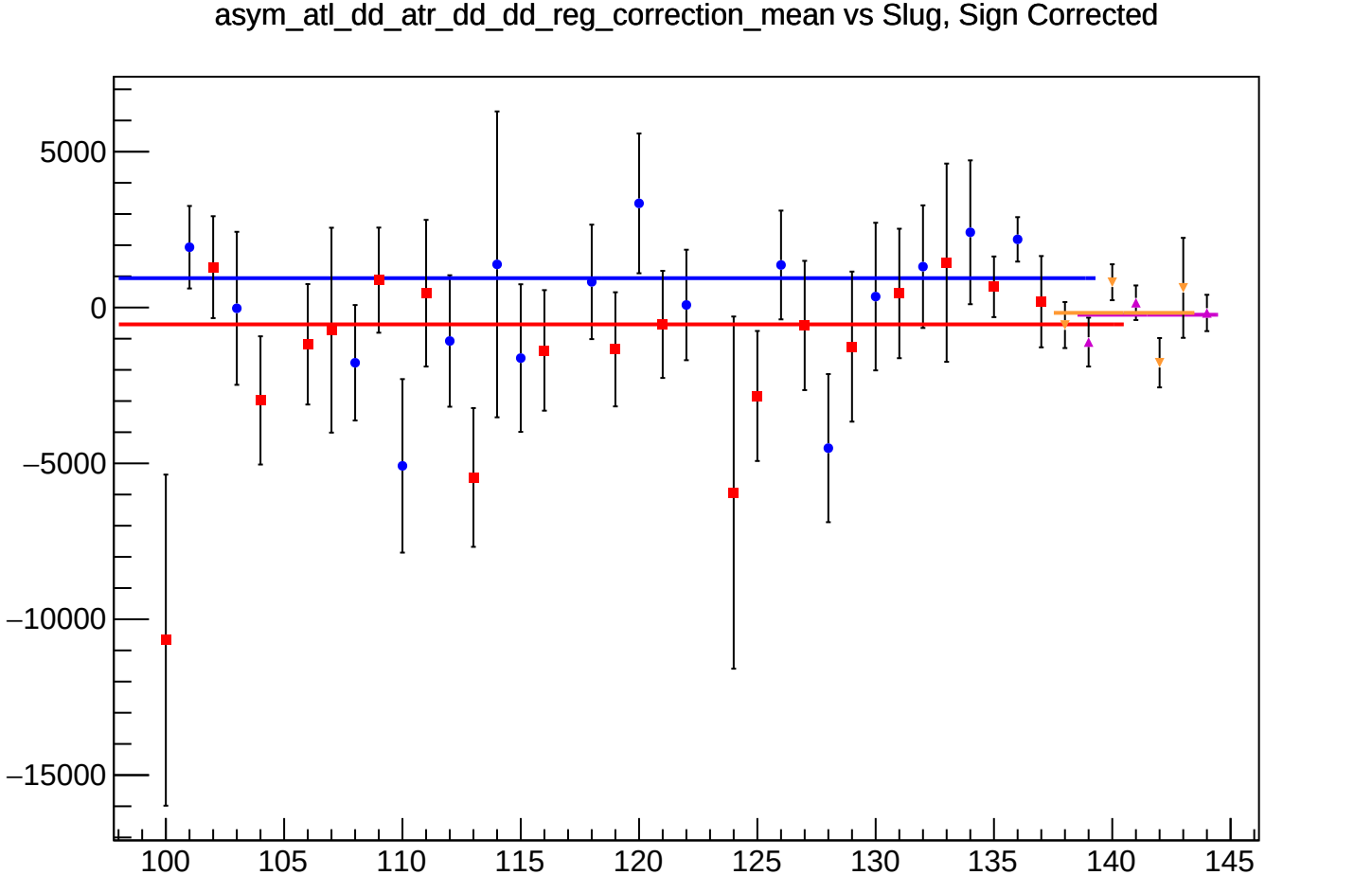
Left: 1346.050+/-0.408 χ^2/NDF: 119559.8/6

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1282.472+/-0.293 χ^2/NDF:524907.9/18

Out: 1308.192+/-0.293 χ^2/NDF:453481.2/22

All: 1295.306+/-0.207 χ^2/NDF: 982238.3/41



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -171.429+/-382.665 χ^2/NDF:7.5/3

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -232.003+/-357.484 χ^2/NDF:1.7/2

Left: -203.774+/-261.228 χ^2/NDF: 9.3/6

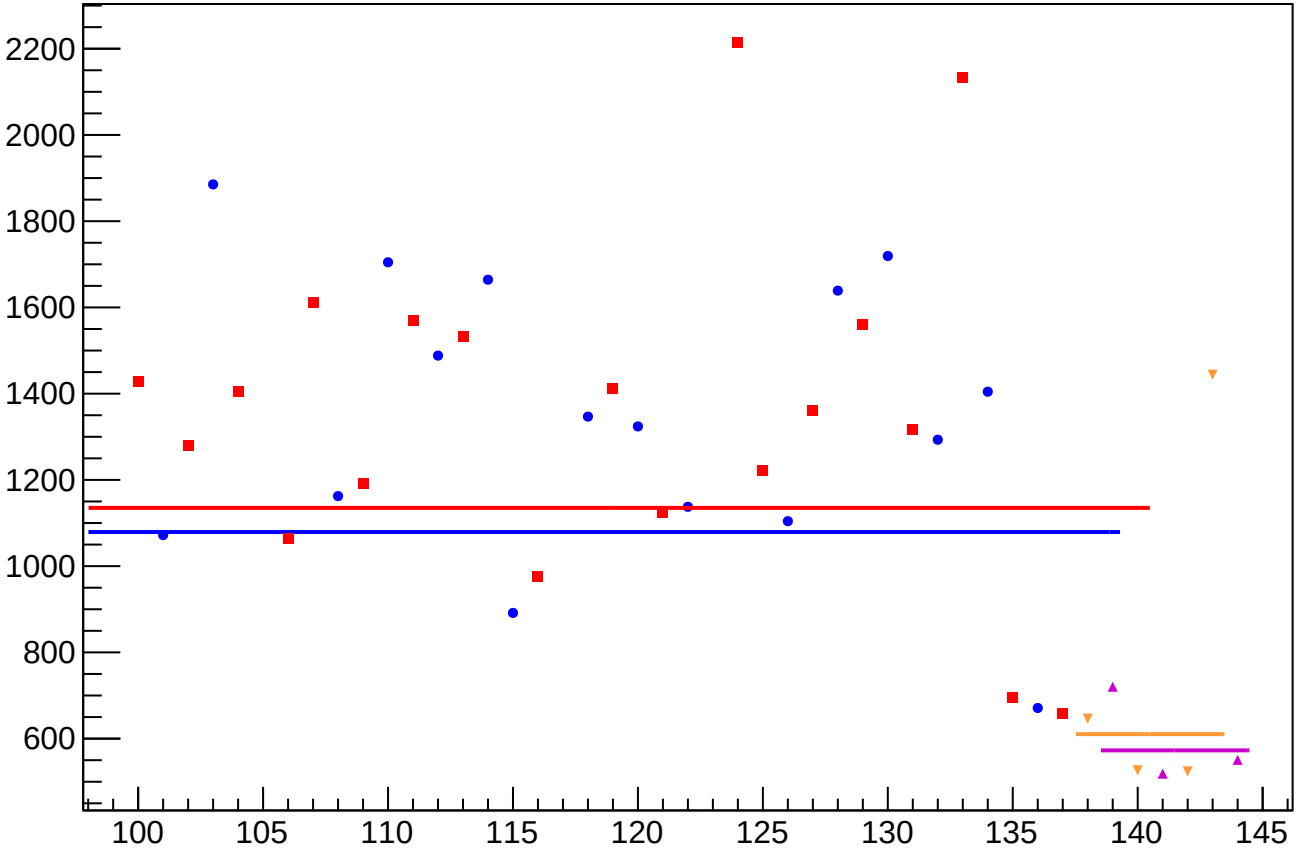
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 253.230+/-273.797 χ^2/NDF:26.1/18

Out: -330.459+/-288.716 χ^2/NDF:25.1/22

All: -23.144+/-198.668 χ^2/NDF: 53.3/41

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: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 572.777+/-0.253 χ^2/NDF:92673.4/2

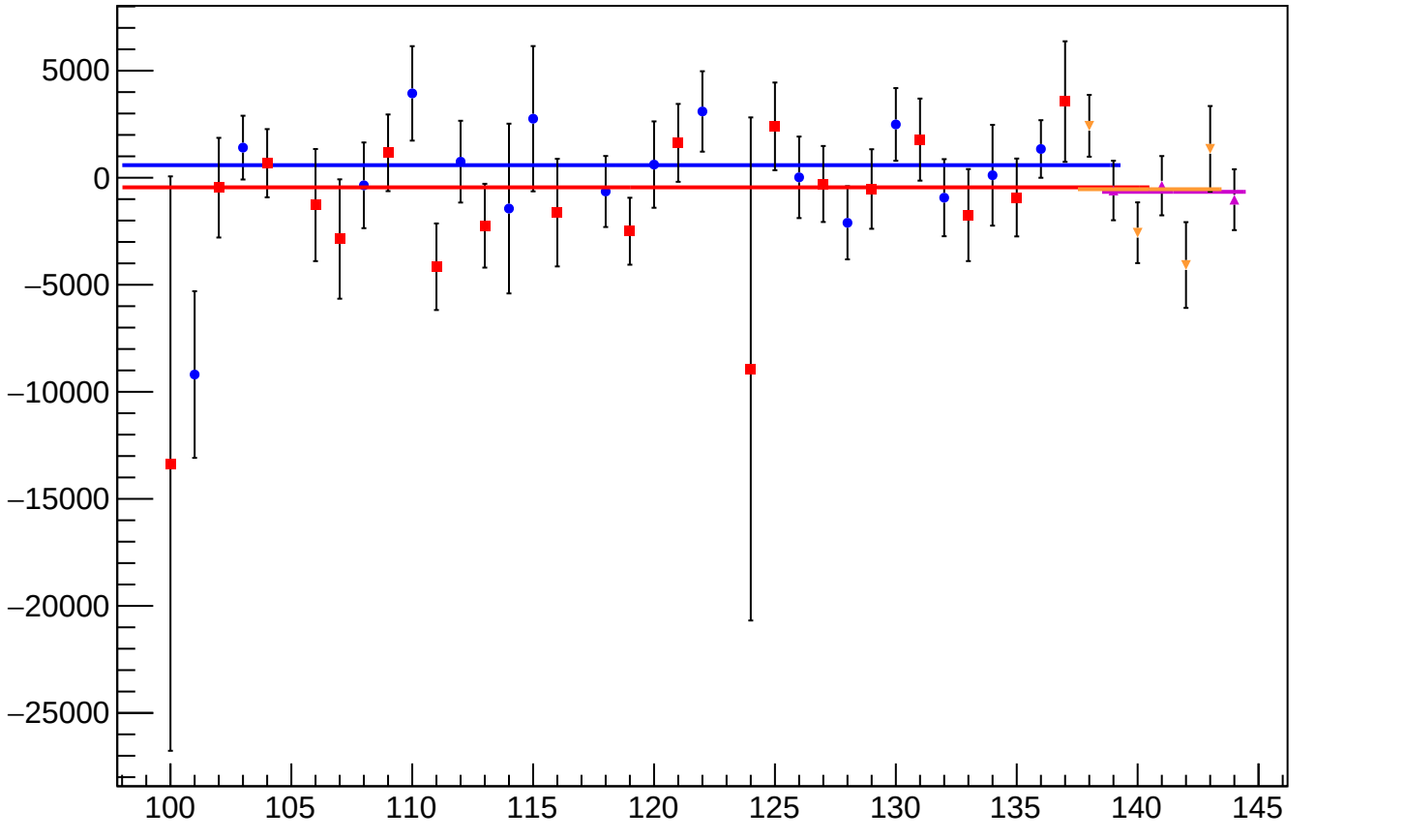
Left: 590.328+/-0.185 χ^2/NDF: 714079.8/6

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 782.099+/-0.194 χ^2/NDF:3233633.2/18

Out: 836.462+/-0.204 χ^2/NDF:3523996.5/22

All: 807.840+/-0.140 χ^2/NDF: 6794963.0/41



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -658.531+/-807.405 χ^2/NDF:0.1/2

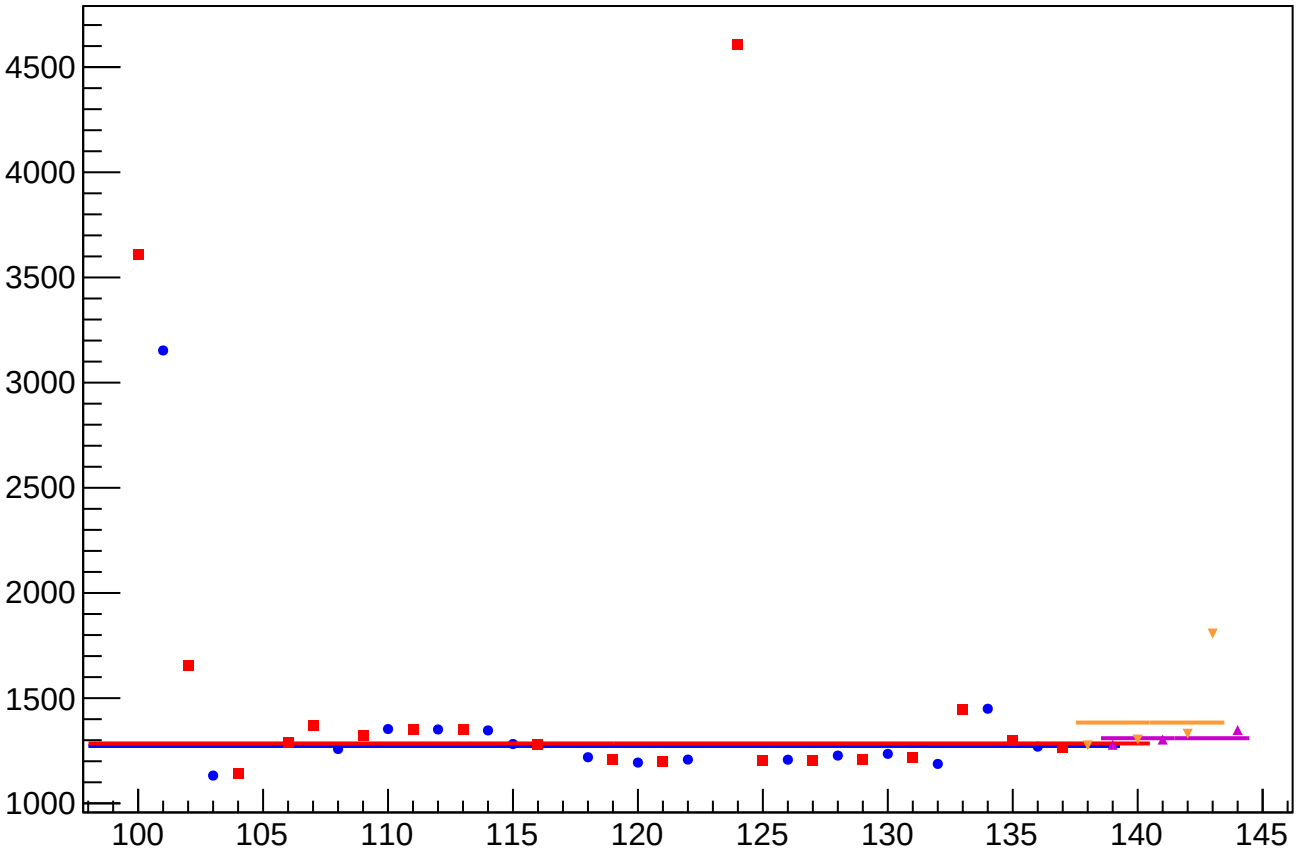
Left: -598.477+/-576.410 χ^2/NDF: 10.4/6

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 259.499+/-414.138 χ^2/NDF:18.9/18

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -104.414+/-293.324 χ^2/NDF: 47.6/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

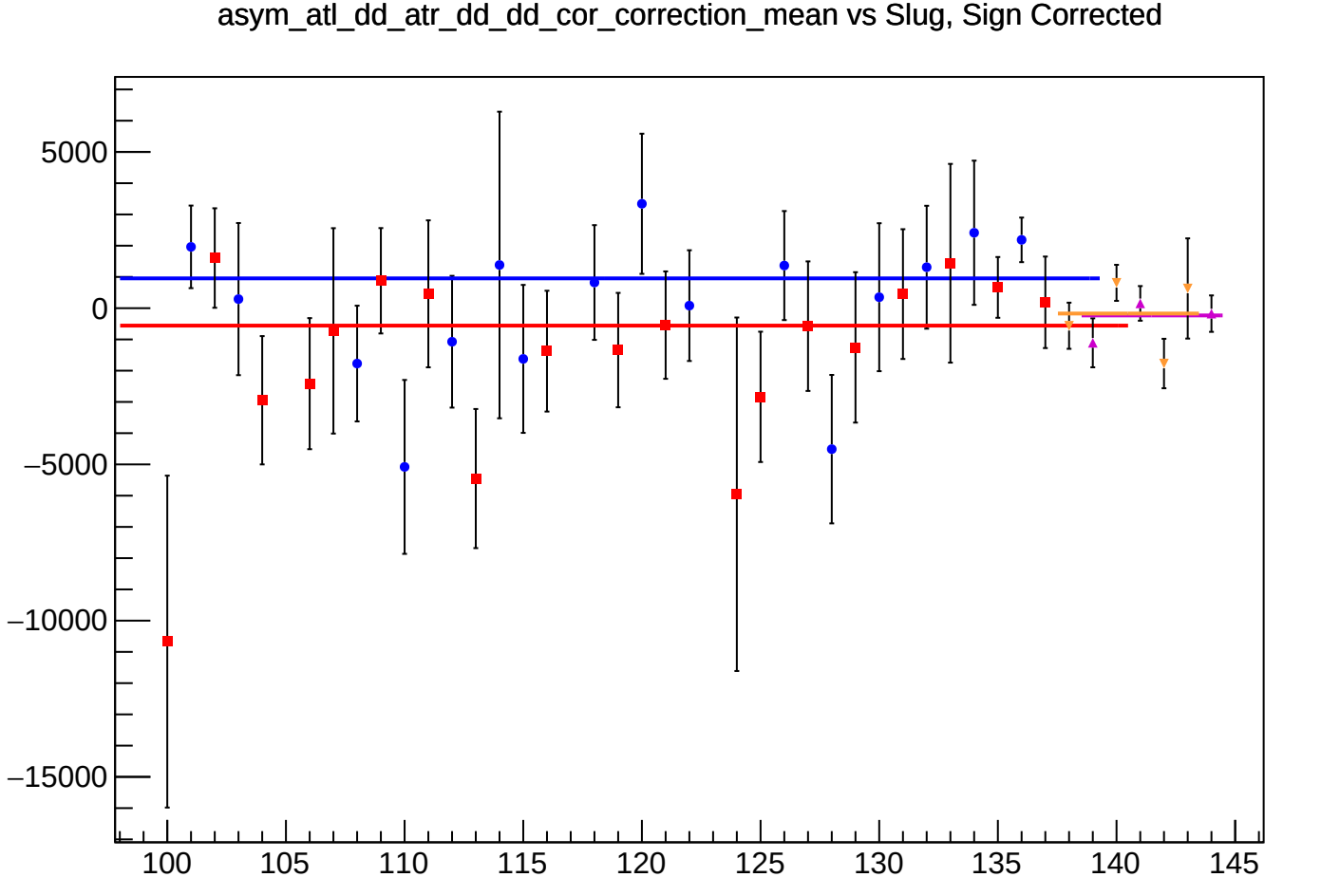
Left: 1346.050+/-0.408 χ^2/NDF: 119559.9/6

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1282.472+/-0.293 χ^2/NDF:524909.4/18

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1296.172+/-0.207 χ^2/NDF: 988407.5/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -232.142+/-357.478 χ^2/NDF:1.7/2

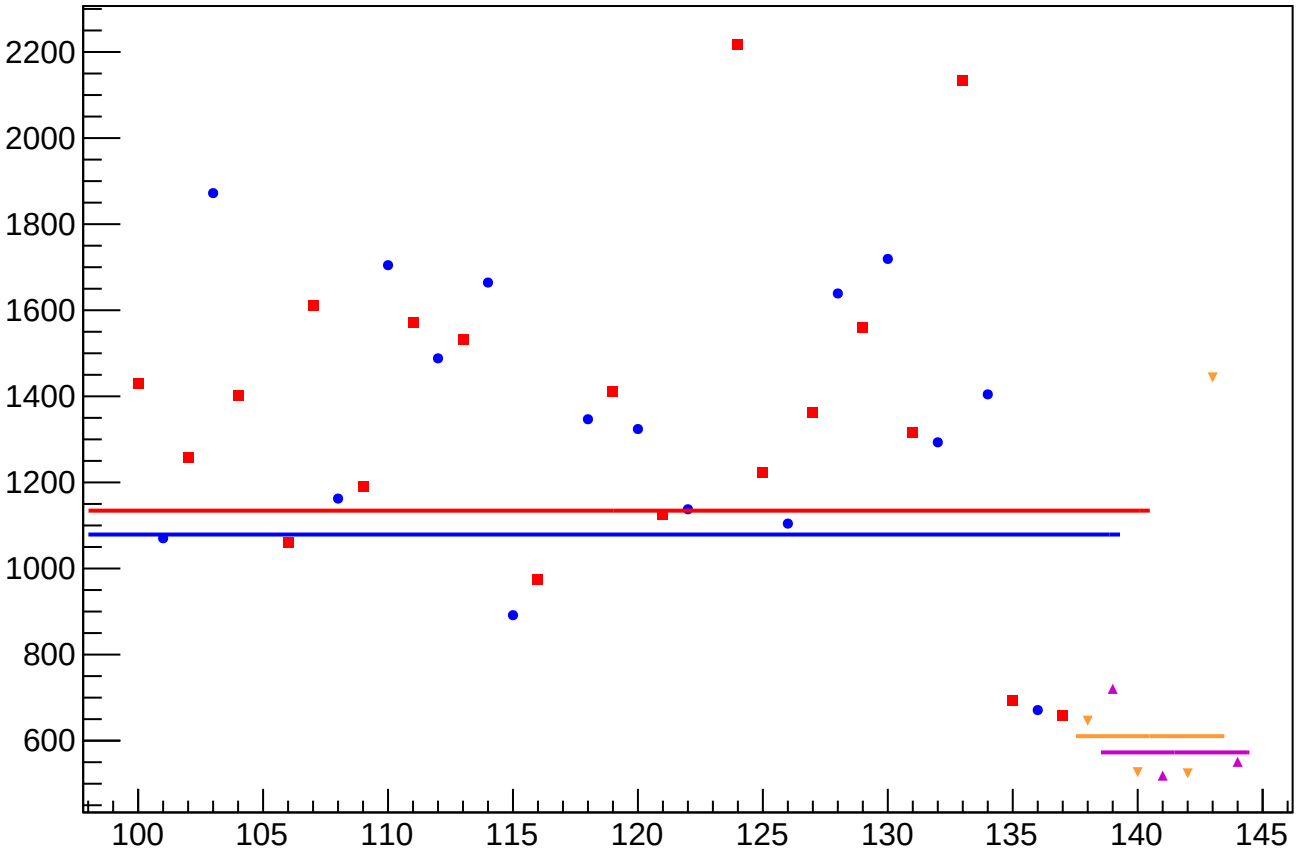
Left: -203.832+/-261.230 χ^2/NDF: 9.3/6

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 258.498+/-273.747 χ^2/NDF:26.2/18

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -23.414+/-198.730 χ^2/NDF: 54.7/41



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

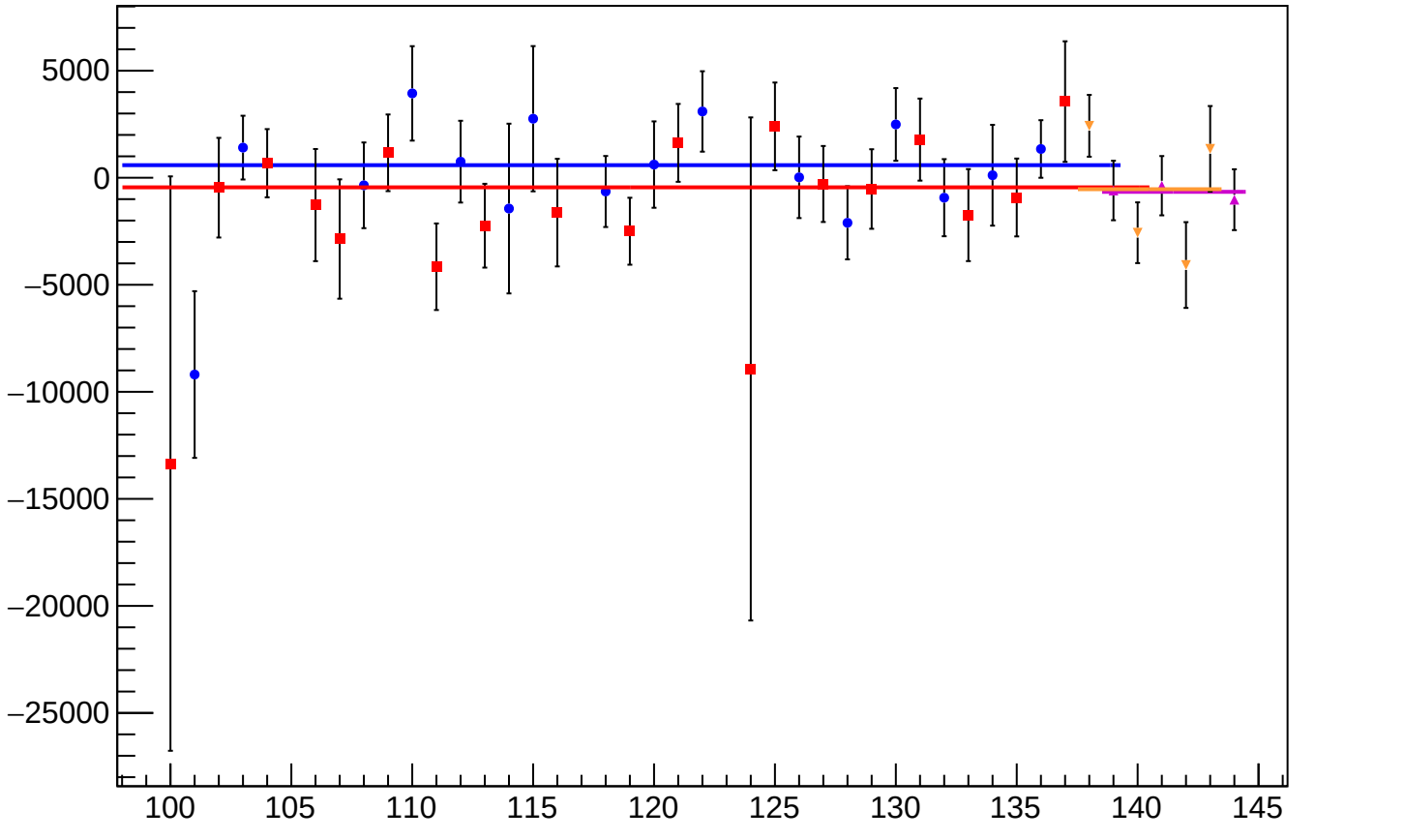
Left: 590.332+/-0.185 χ^2/NDF: 714055.5/6

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 782.112+/-0.194 χ^2/NDF:3229802.5/18

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 807.444+/-0.141 χ^2/NDF: 6777498.6/41



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -658.531+/-807.405 χ^2/NDF:0.1/2

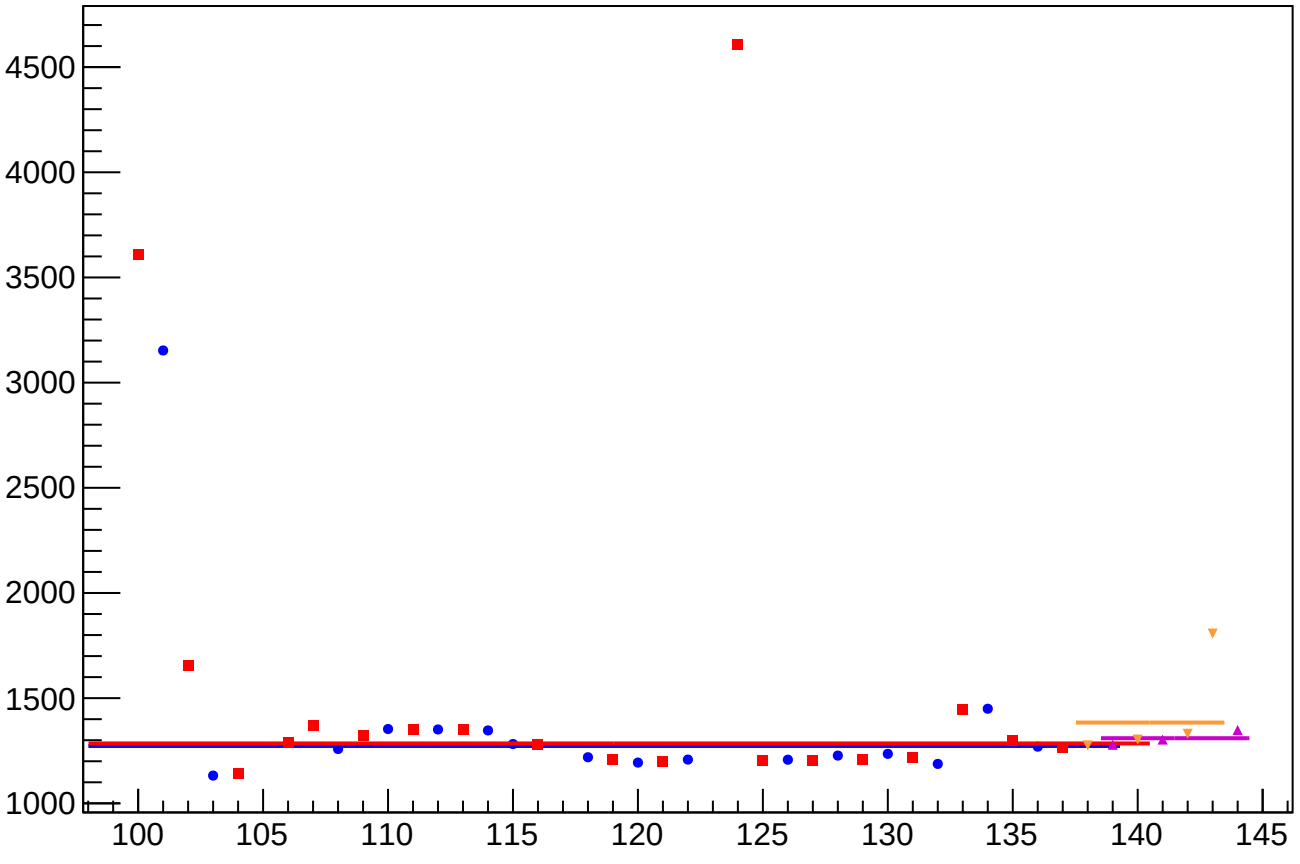
Left: -598.477+/-576.410 χ^2/NDF: 10.4/6

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 259.499+/-414.138 χ^2/NDF:18.9/18

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -104.414+/-293.324 χ^2/NDF: 47.6/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

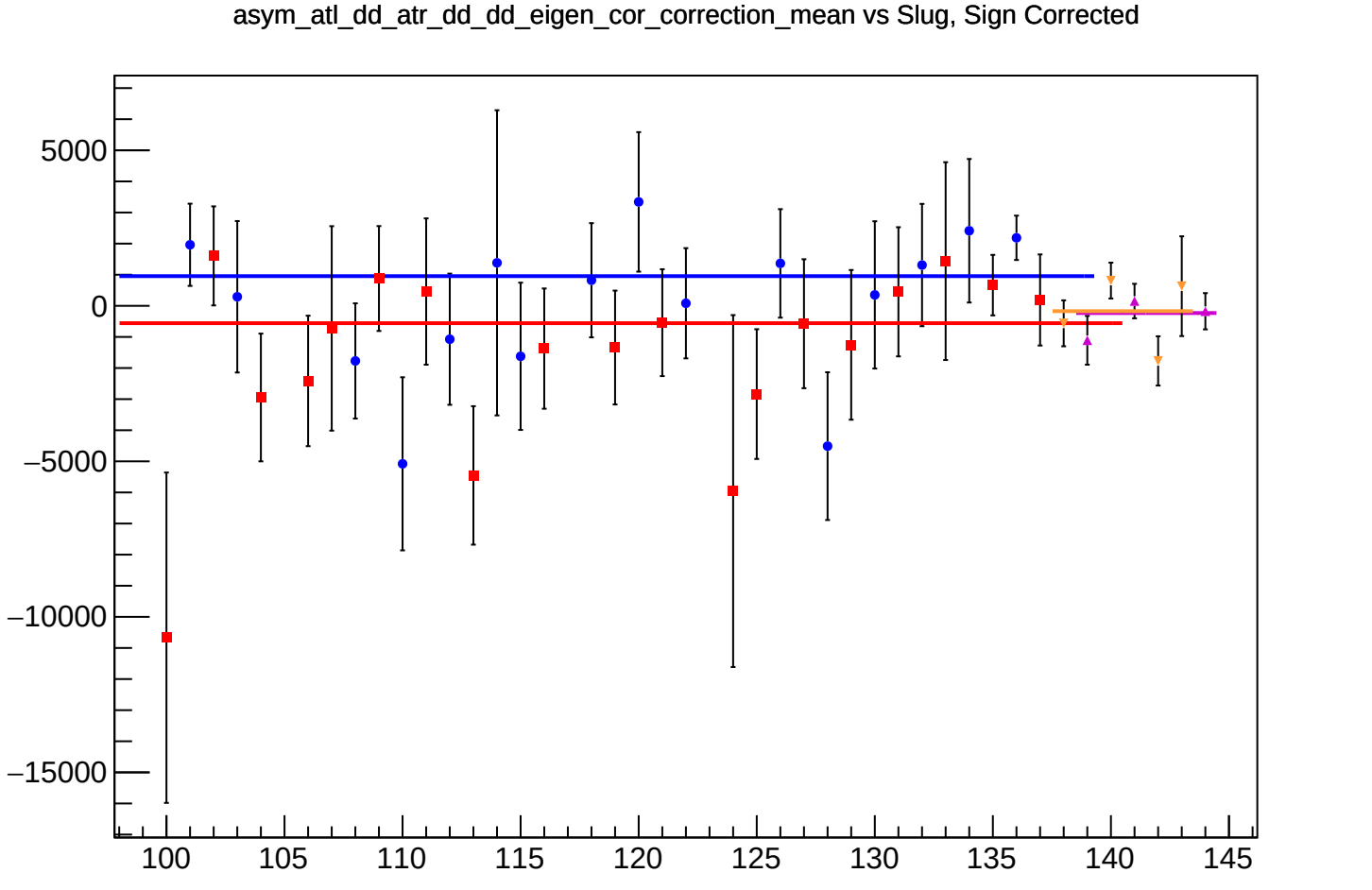
Left: 1346.050+/-0.408 χ^2/NDF: 119559.9/6

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1282.472+/-0.293 χ^2/NDF:524909.4/18

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1296.172+/-0.207 χ^2/NDF: 988407.5/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -232.142+/-357.478 χ^2/NDF:1.7/2

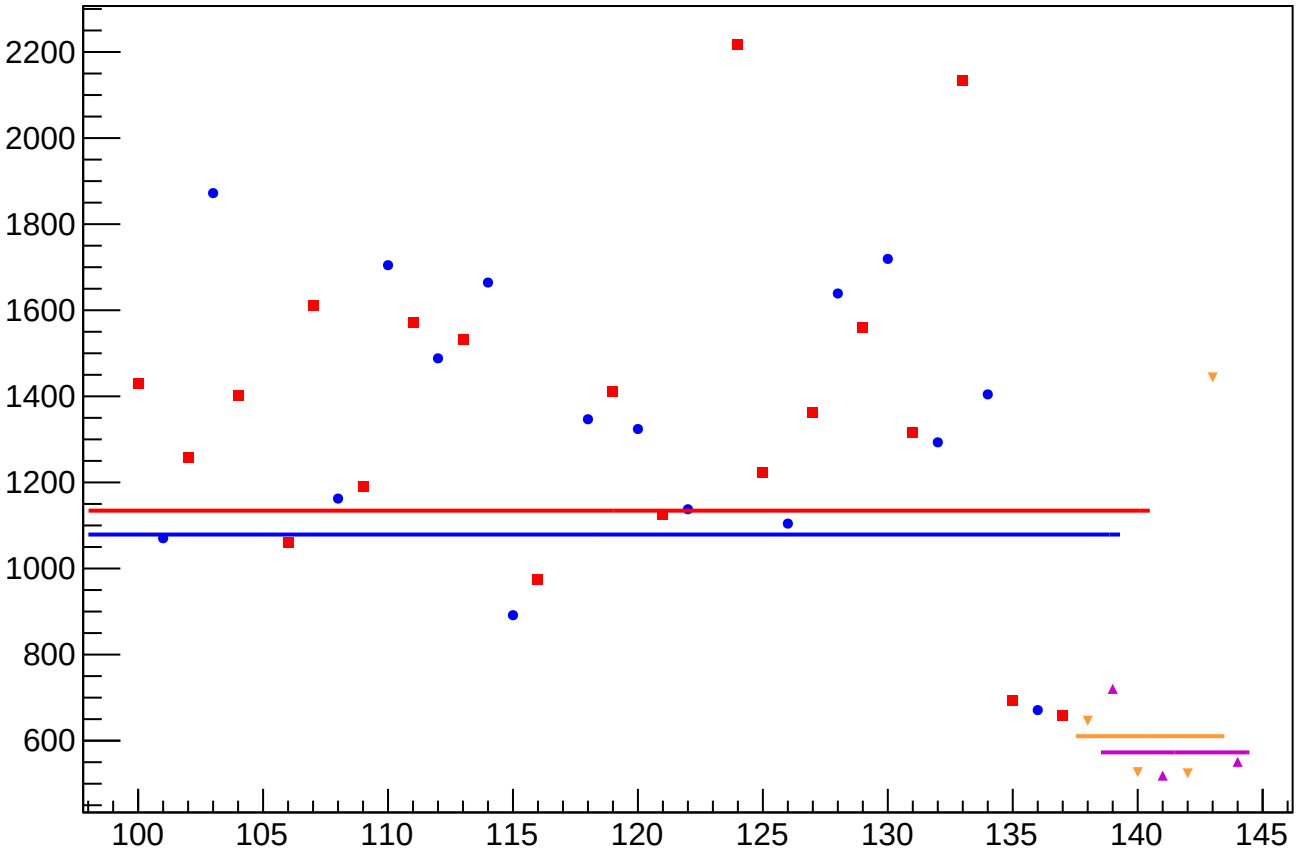
Left: -203.832+/-261.230 χ^2/NDF: 9.3/6

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 258.498+/-273.747 χ^2/NDF:26.2/18

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -23.414+/-198.730 χ^2/NDF: 54.7/41



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

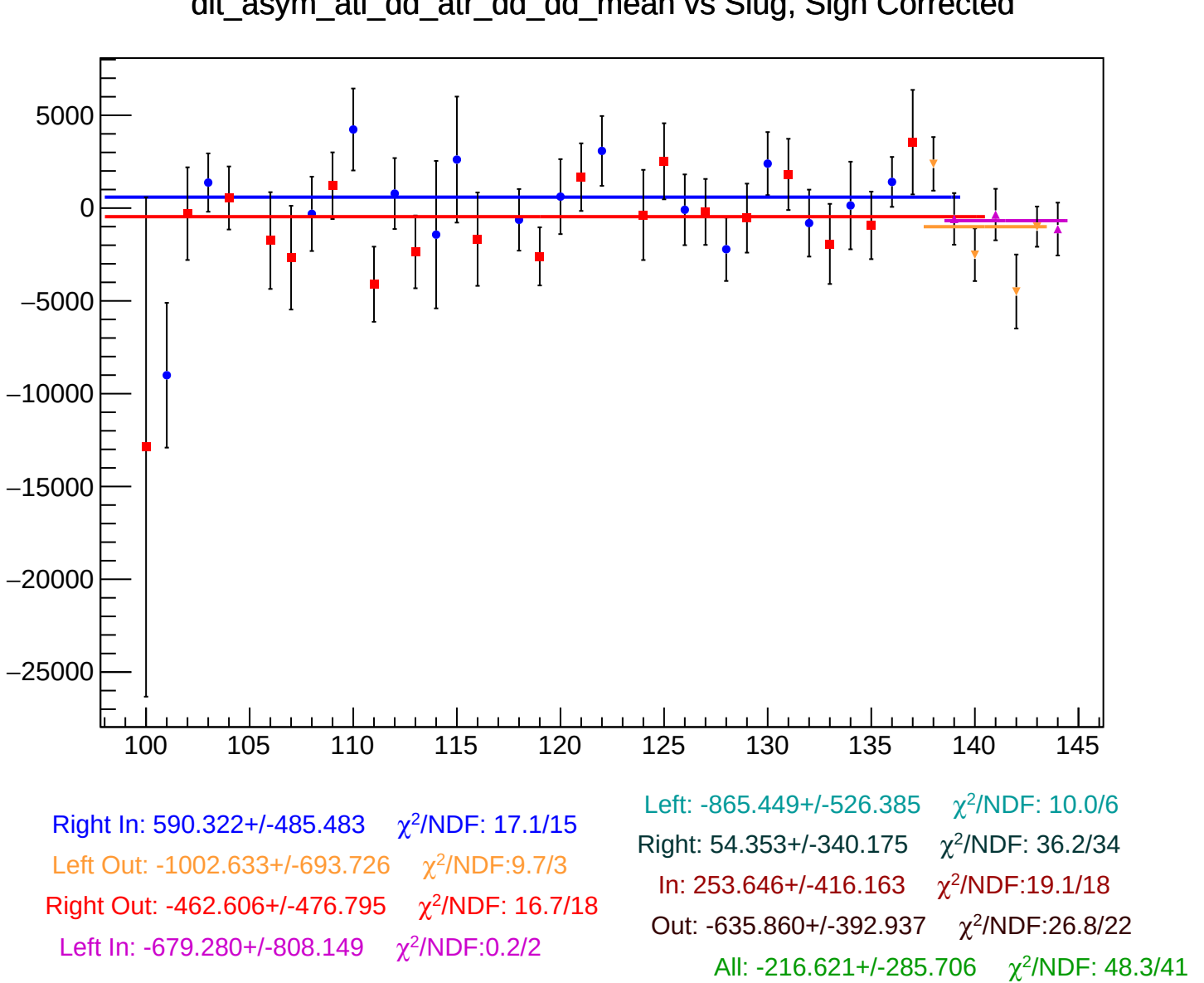
Left: 590.332+/-0.185 χ^2/NDF: 714055.5/6

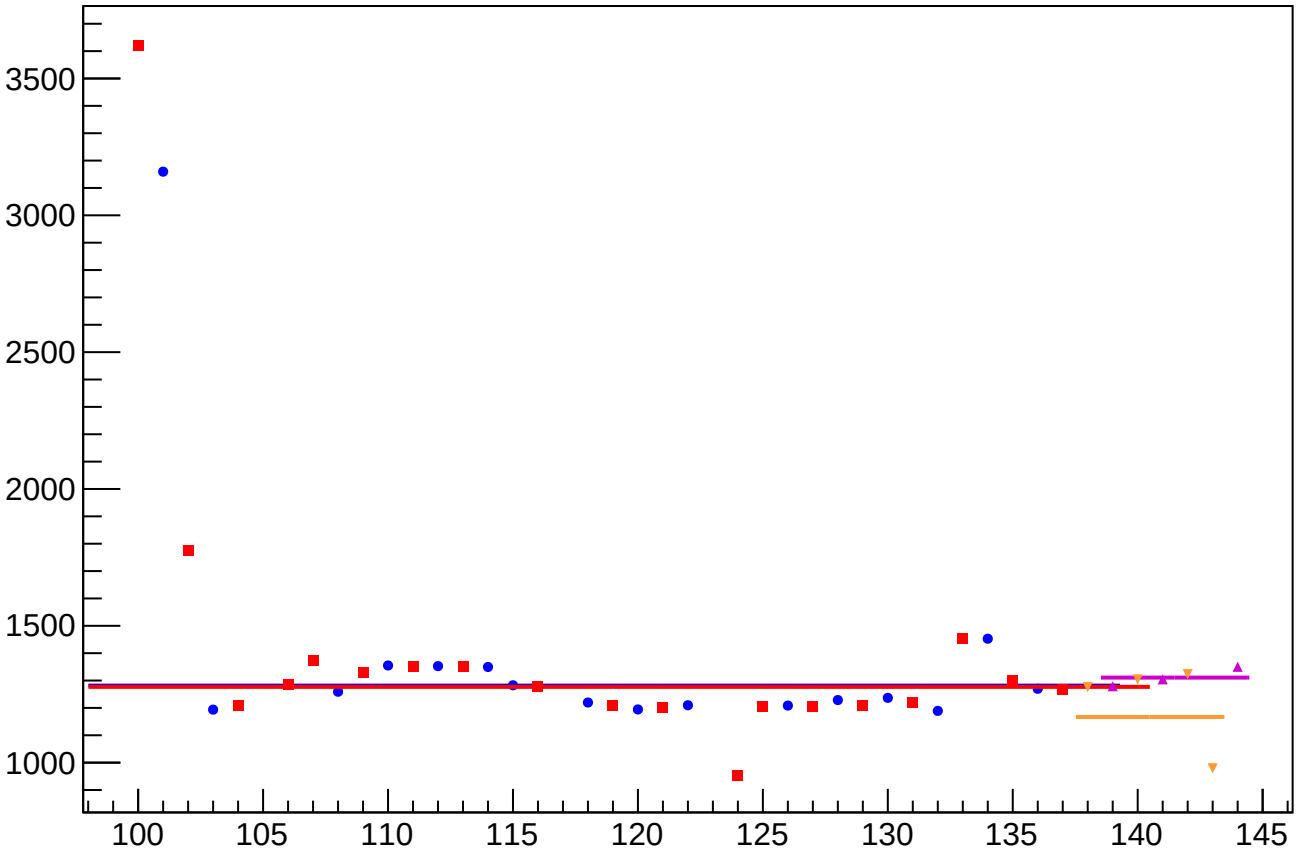
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 782.112+/-0.194 χ^2/NDF:3229802.5/18

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 807.444+/-0.141 χ^2/NDF: 6777498.6/41


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -1002.633+/-693.726 χ²/NDF:9.7/3
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -679.280+/-808.149 χ²/NDF:0.2/2
Left: -865.449+/-526.385 χ²/NDF: 10.0/6
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 253.646+/-416.163 χ²/NDF:19.1/18
Out: -635.860+/-392.937 χ²/NDF:26.8/22
All: -216.621+/-285.706 χ²/NDF: 48.3/41



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

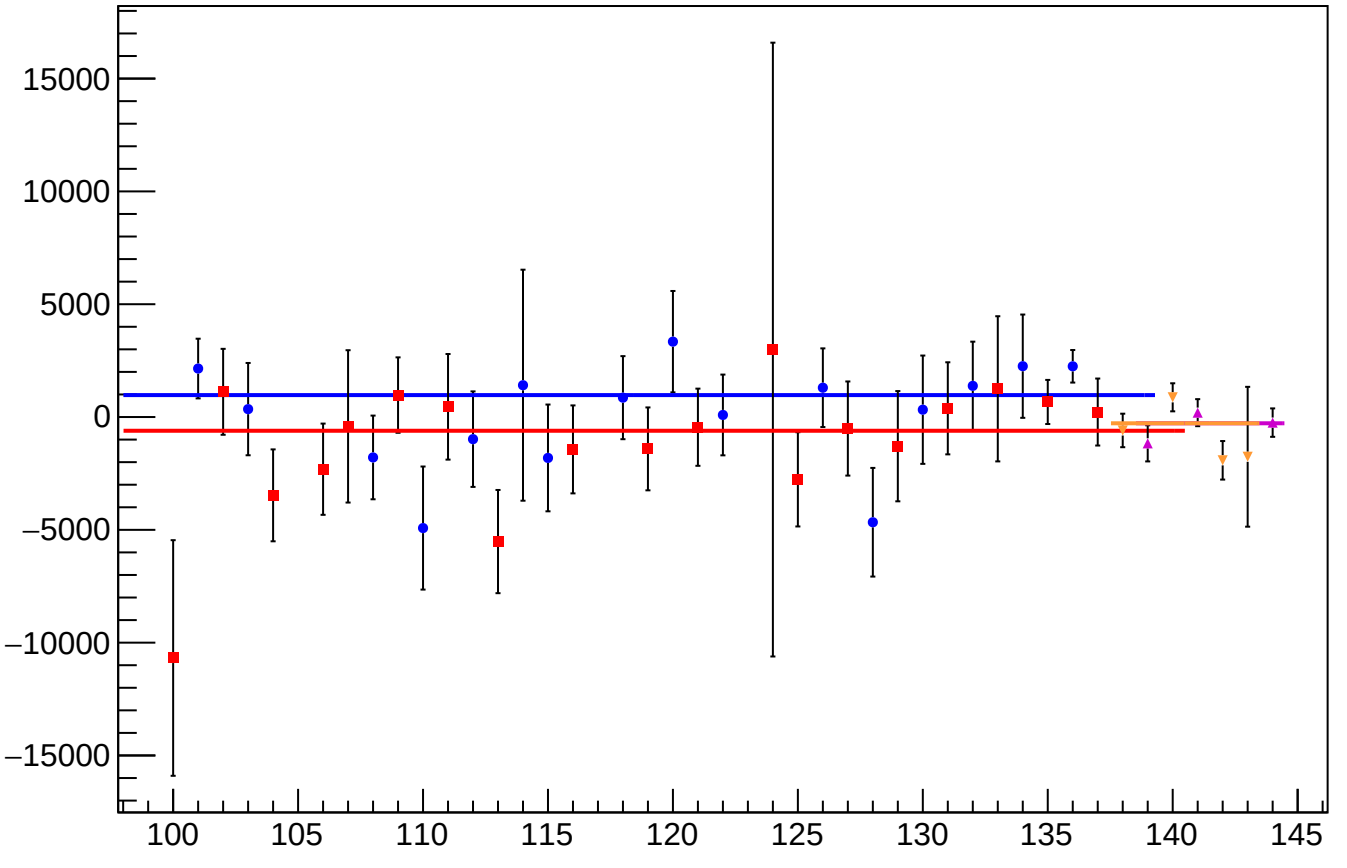
Left: 1227.899+/-0.372 χ^2/NDF: 141420.6/6

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1289.159+/-0.294 χ^2/NDF:511635.8/18

Out: 1241.567+/-0.278 χ^2/NDF:356970.7/22

All: 1263.998+/-0.202 χ^2/NDF: 882435.0/41



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -277.127+/-381.529 χ^2/NDF:1.9/2

Left: -277.309+/-280.086 χ^2/NDF: 9.4/6

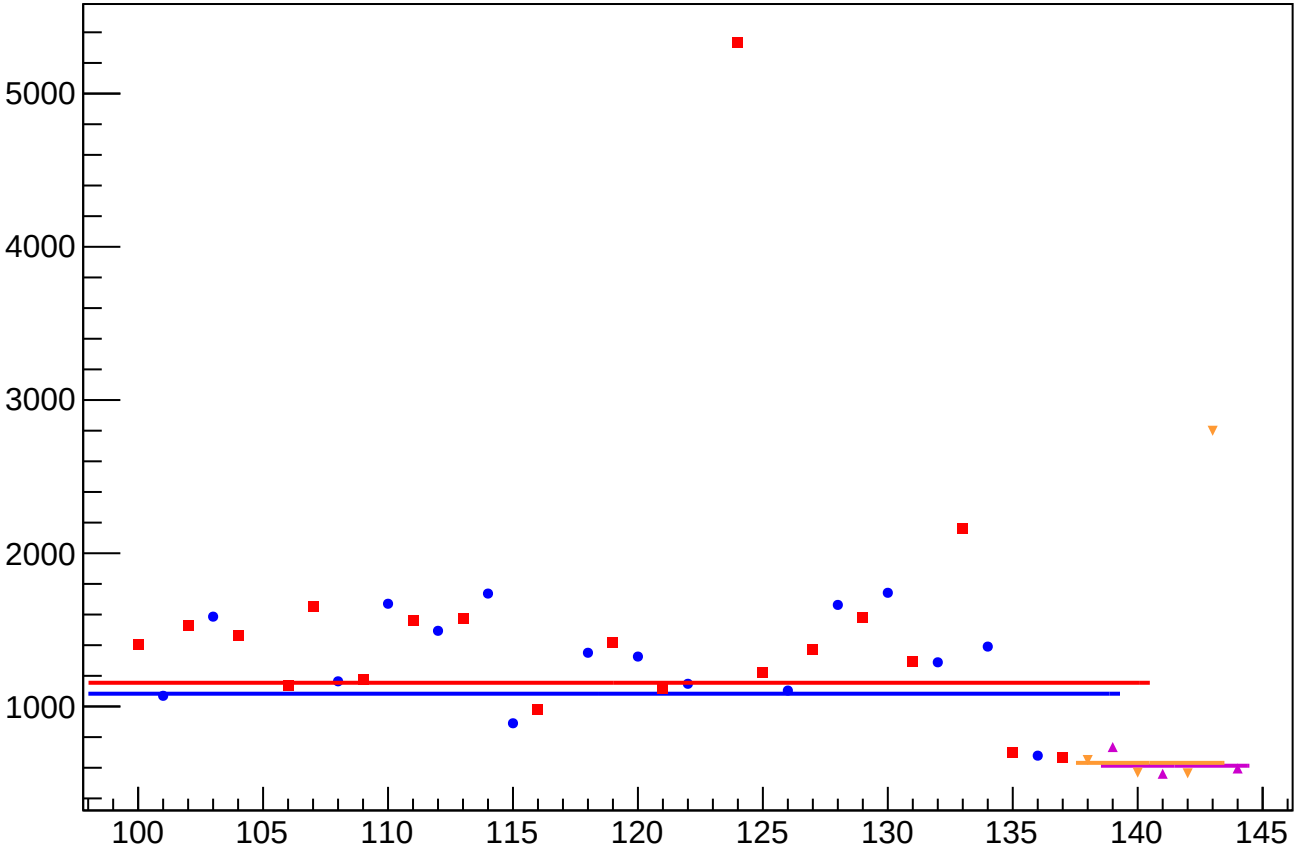
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 280.116+/-283.976 χ^2/NDF:27.1/18

Out: -429.439+/-303.367 χ^2/NDF:25.0/22

All: -51.261+/-207.318 χ^2/NDF: 55.0/41

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 632.036+/-0.292 χ^2/NDF:1013266.7/3

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 613.289+/-0.270 χ^2/NDF:63272.6/2

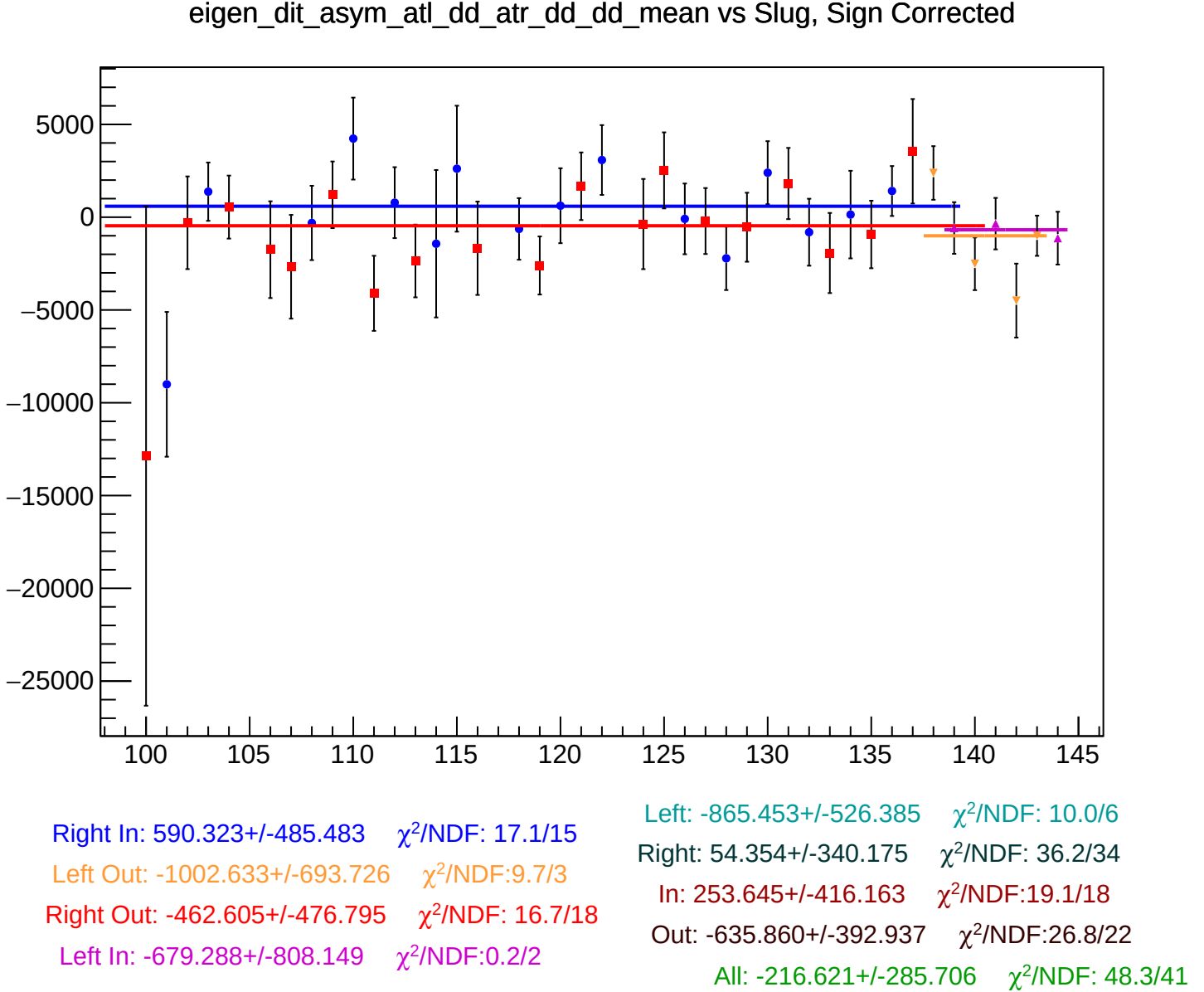
Left: 621.933+/-0.198 χ^2/NDF: 1078765.6/6

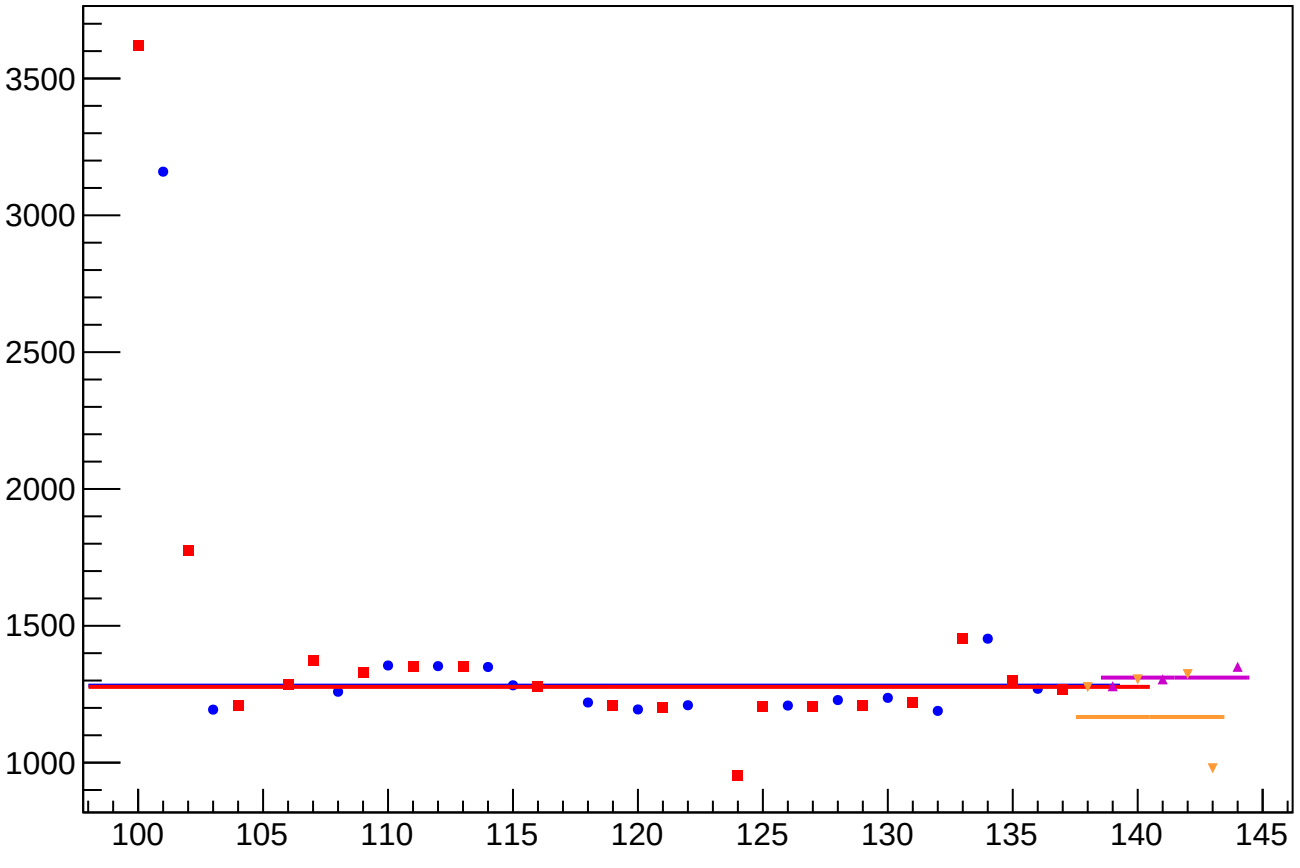
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 822.931+/-0.201 χ^2/NDF:2777343.9/18

Out: 871.996+/-0.215 χ^2/NDF:3975926.5/22

All: 845.845+/-0.147 χ^2/NDF: 6781154.0/41


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -1002.633+/-693.726 χ²/NDF:9.7/3
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -679.288+/-808.149 χ²/NDF:0.2/2
Left: -865.453+/-526.385 χ²/NDF: 10.0/6
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 253.645+/-416.163 χ²/NDF:19.1/18
Out: -635.860+/-392.937 χ²/NDF:26.8/22
All: -216.621+/-285.706 χ²/NDF: 48.3/41



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.3/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

Left: 1227.899+/-0.372 χ^2/NDF: 141419.9/6

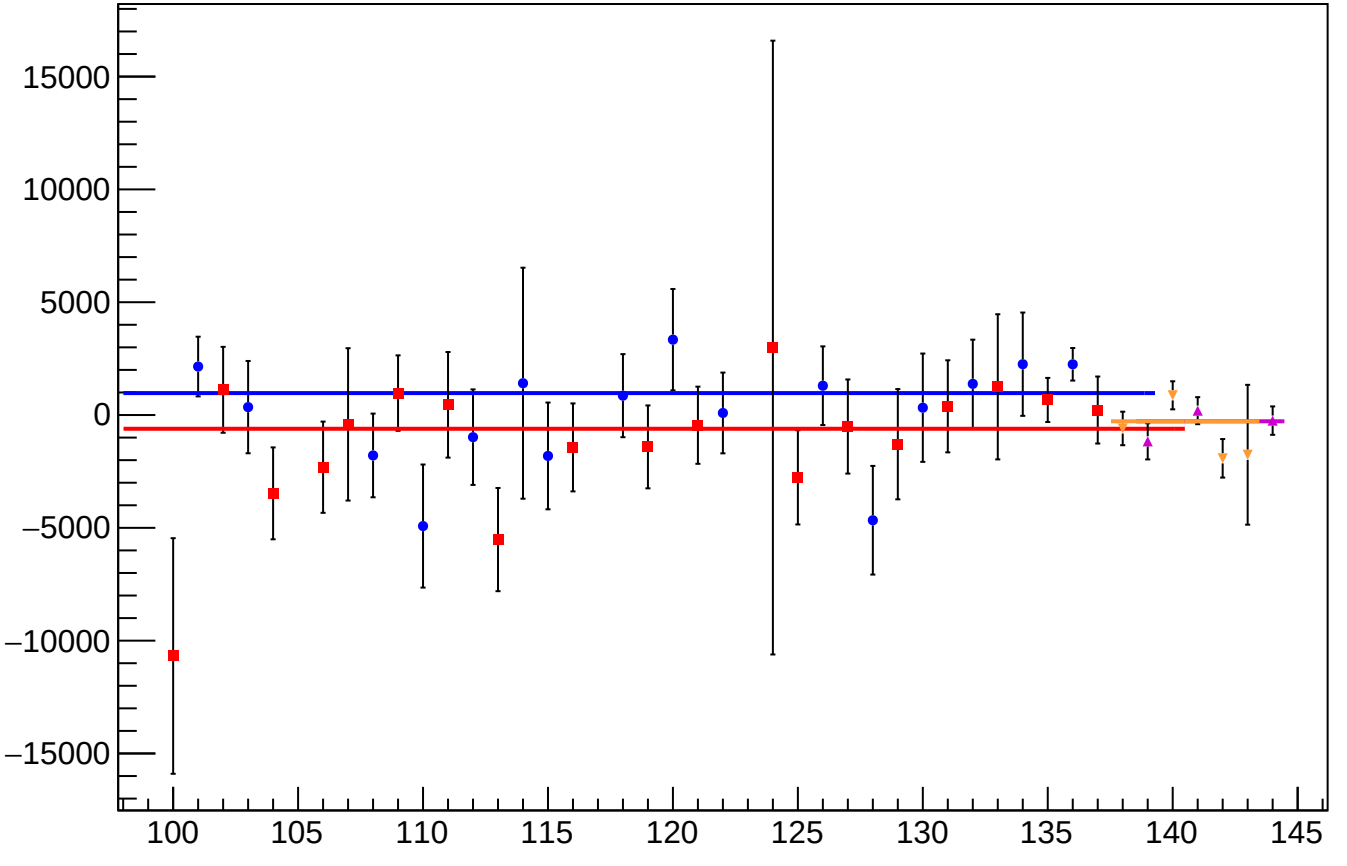
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1289.159+/-0.294 χ^2/NDF:511635.9/18

Out: 1241.567+/-0.278 χ^2/NDF:356969.7/22

All: 1263.998+/-0.202 χ^2/NDF: 882434.1/41

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -277.526+/-412.486 χ^2/NDF:7.5/3

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -277.126+/-381.531 χ^2/NDF:1.9/2

Left: -277.310+/-280.088 χ^2/NDF: 9.4/6

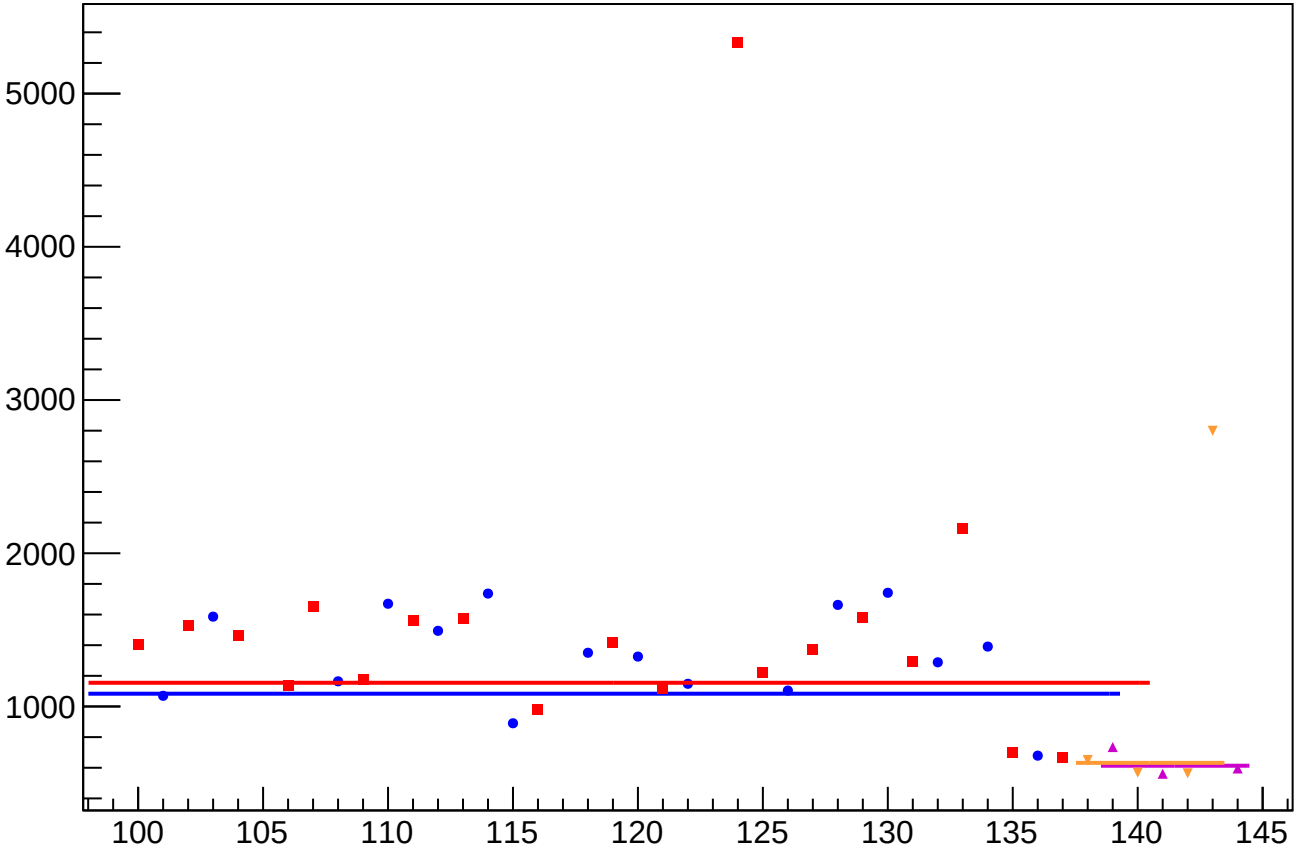
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 280.114+/-283.977 χ^2/NDF:27.1/18

Out: -429.446+/-303.369 χ^2/NDF:25.0/22

All: -51.264+/-207.319 χ^2/NDF: 55.0/41

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 632.041+/-0.292 χ^2/NDF:1013265.5/3

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 613.291+/-0.270 χ^2/NDF:63279.1/2

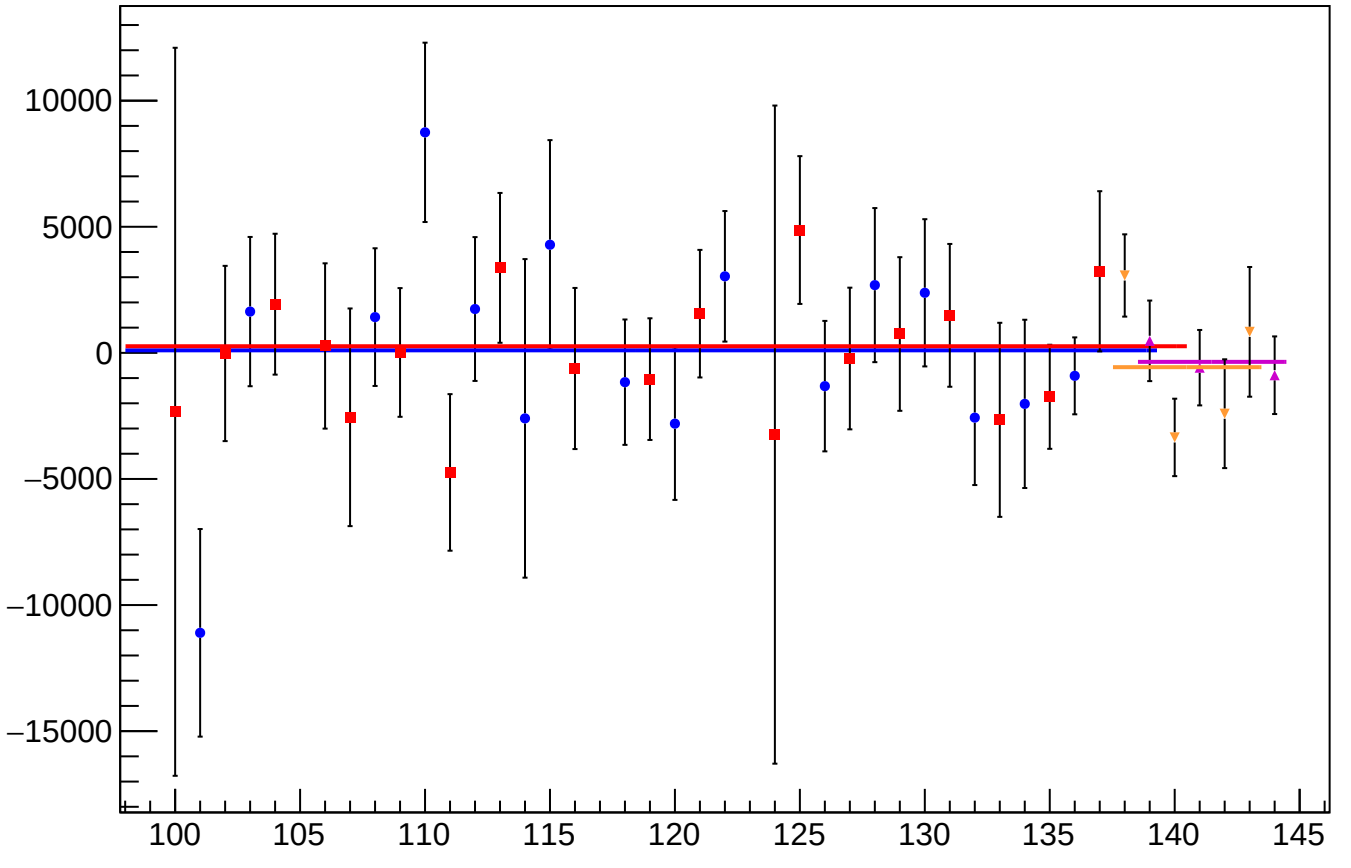
Left: 621.936+/-0.198 χ^2/NDF: 1078771.8/6

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 822.935+/-0.201 χ^2/NDF:2777308.1/18

Out: 872.003+/-0.215 χ^2/NDF:3975864.1/22

All: 845.851+/-0.147 χ^2/NDF: 6781059.4/41



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -356.727+/-890.495 χ^2/NDF:0.4/2

Left: -458.031+/-641.888 χ^2/NDF: 9.7/6

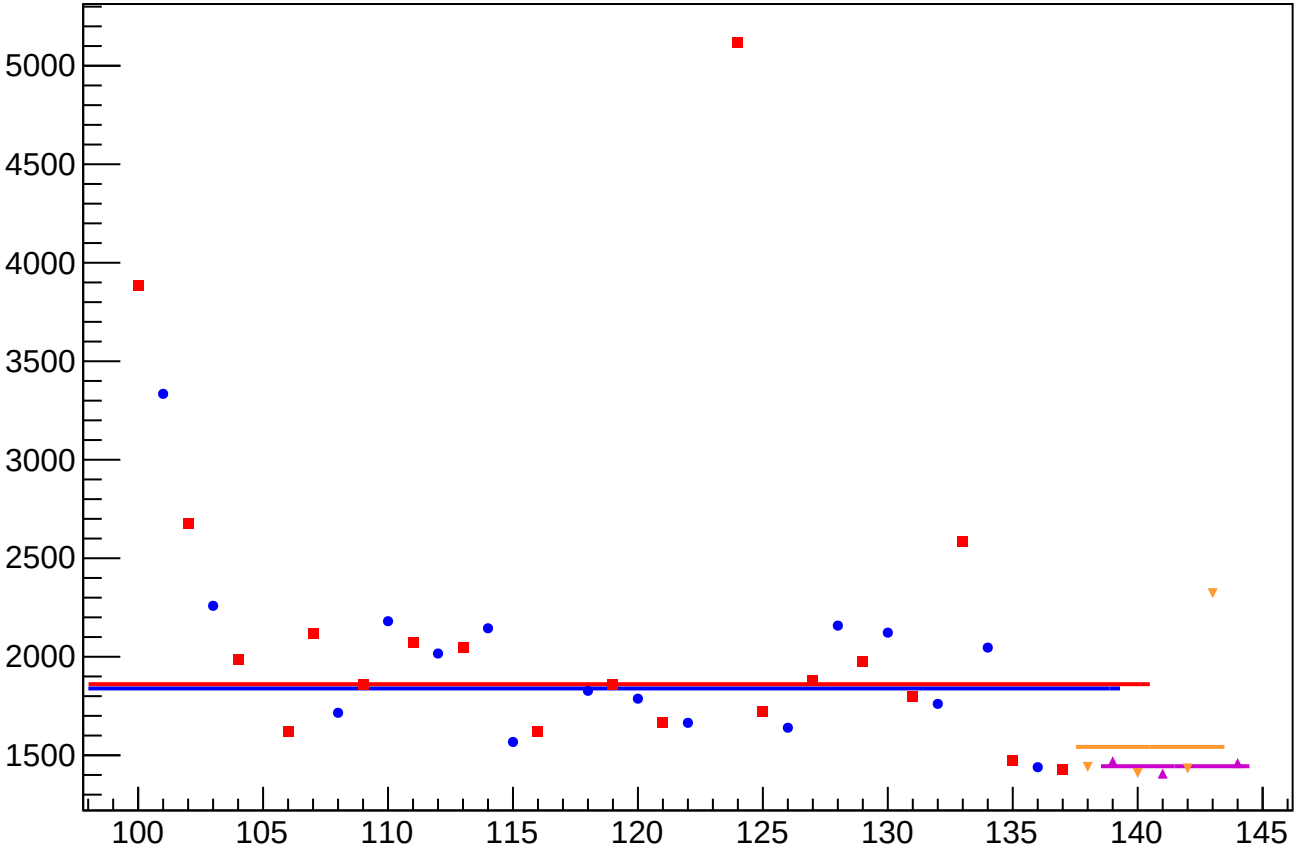
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -73.842+/-549.831 χ^2/NDF:21.9/18

Out: -39.025+/-558.282 χ^2/NDF:20.1/22

All: -56.699+/-391.743 χ^2/NDF: 42.0/41

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: 1542.343+/-0.655 χ^2/NDF:211774.6/3

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1444.268+/-0.630 χ^2/NDF:1963.8/2

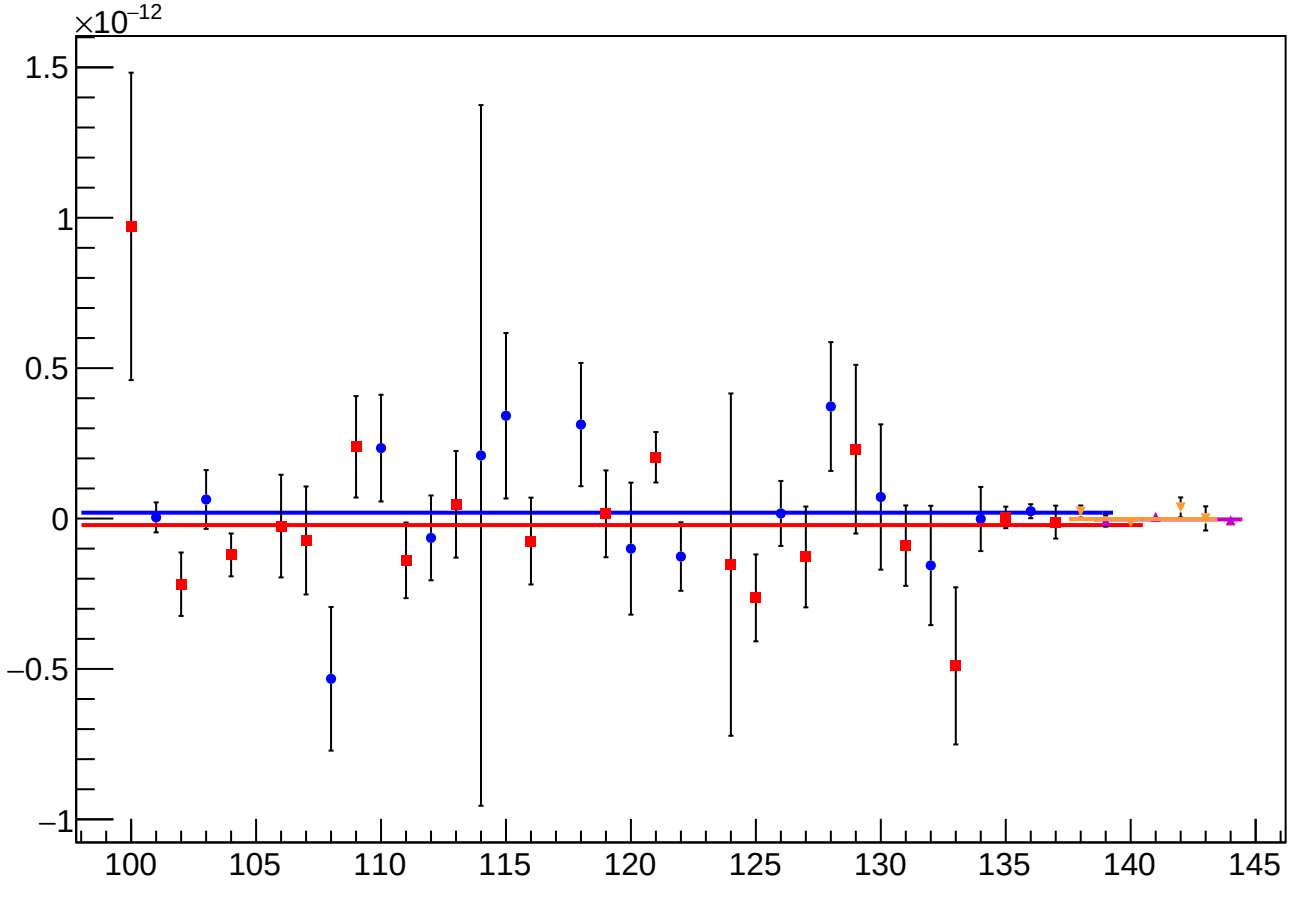
Left: 1491.385+/-0.454 χ^2/NDF: 225392.9/6

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1688.584+/-0.389 χ^2/NDF:801990.6/18

Out: 1745.039+/-0.395 χ^2/NDF:884398.2/22

All: 1716.381+/-0.277 χ^2/NDF: 1696770.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

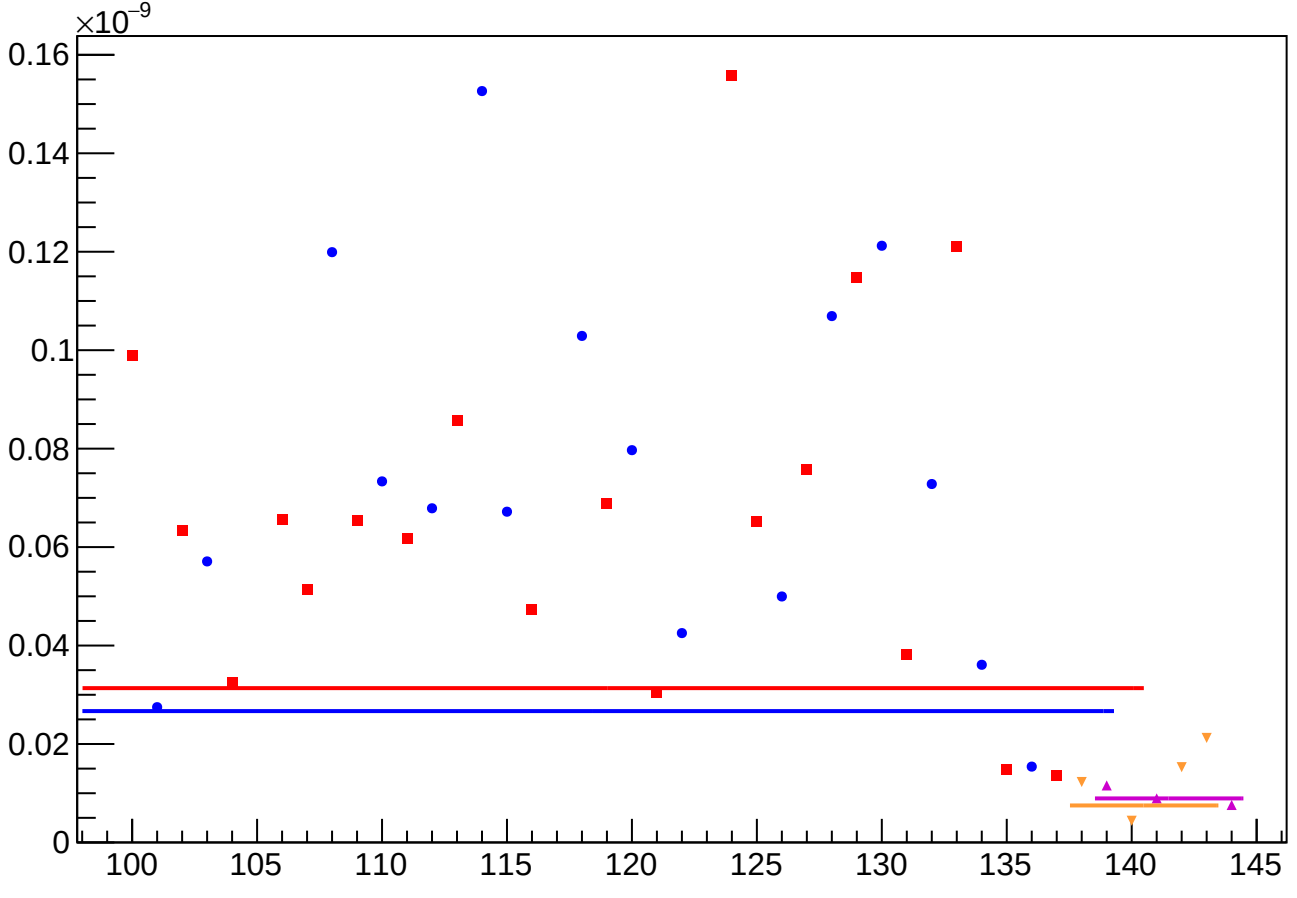
Left: -0.000+/-0.000 χ^2/NDF: 4.4/6

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.1/18

Out: -0.000+/-0.000 χ^2/NDF:32.8/22

All: -0.000+/-0.000 χ^2/NDF: 51.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:623688.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:59789.1/2

Left: 0.000+/-0.000 χ^2/NDF: 708949.8/6

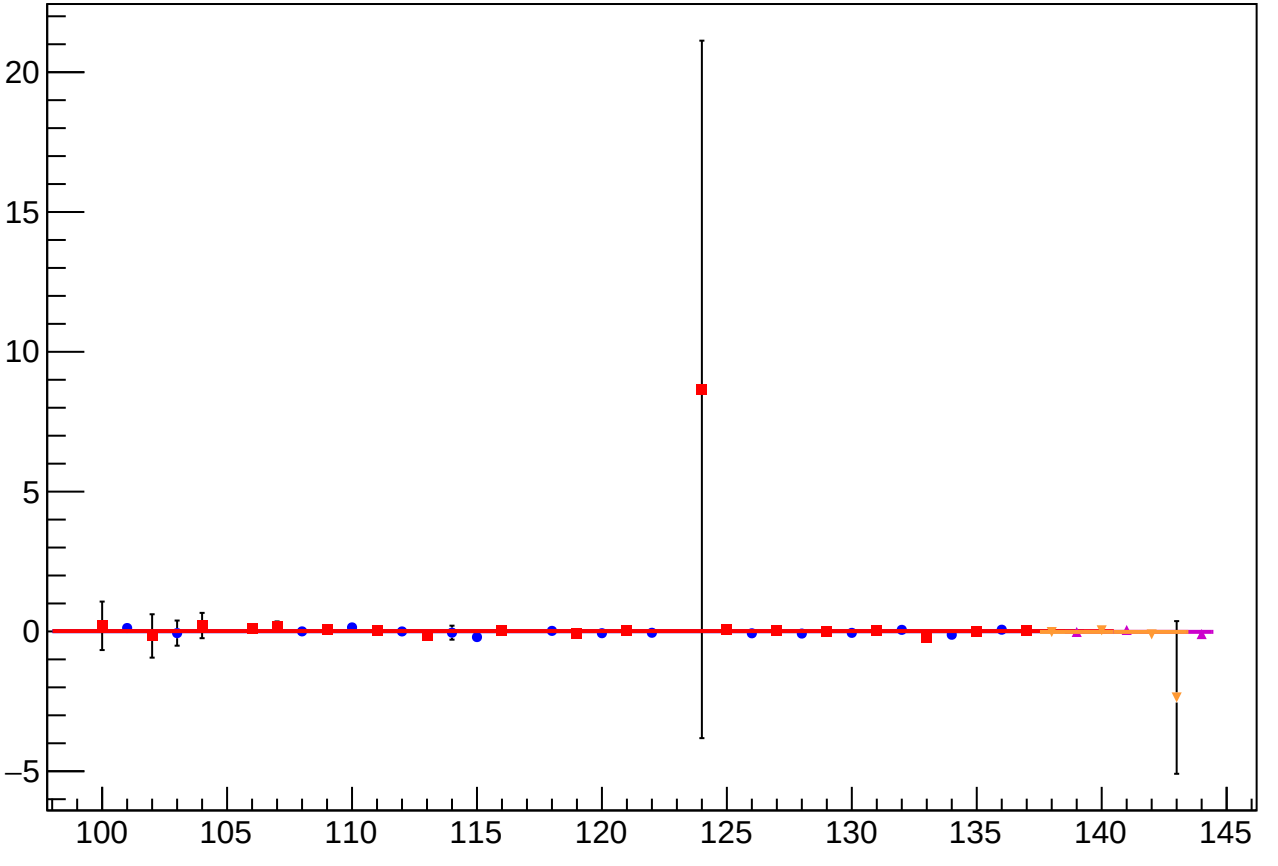
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4086049.9/18

Out: 0.000+/-0.000 χ^2/NDF:4872465.0/22

All: 0.000+/-0.000 χ^2/NDF: 8992530.1/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

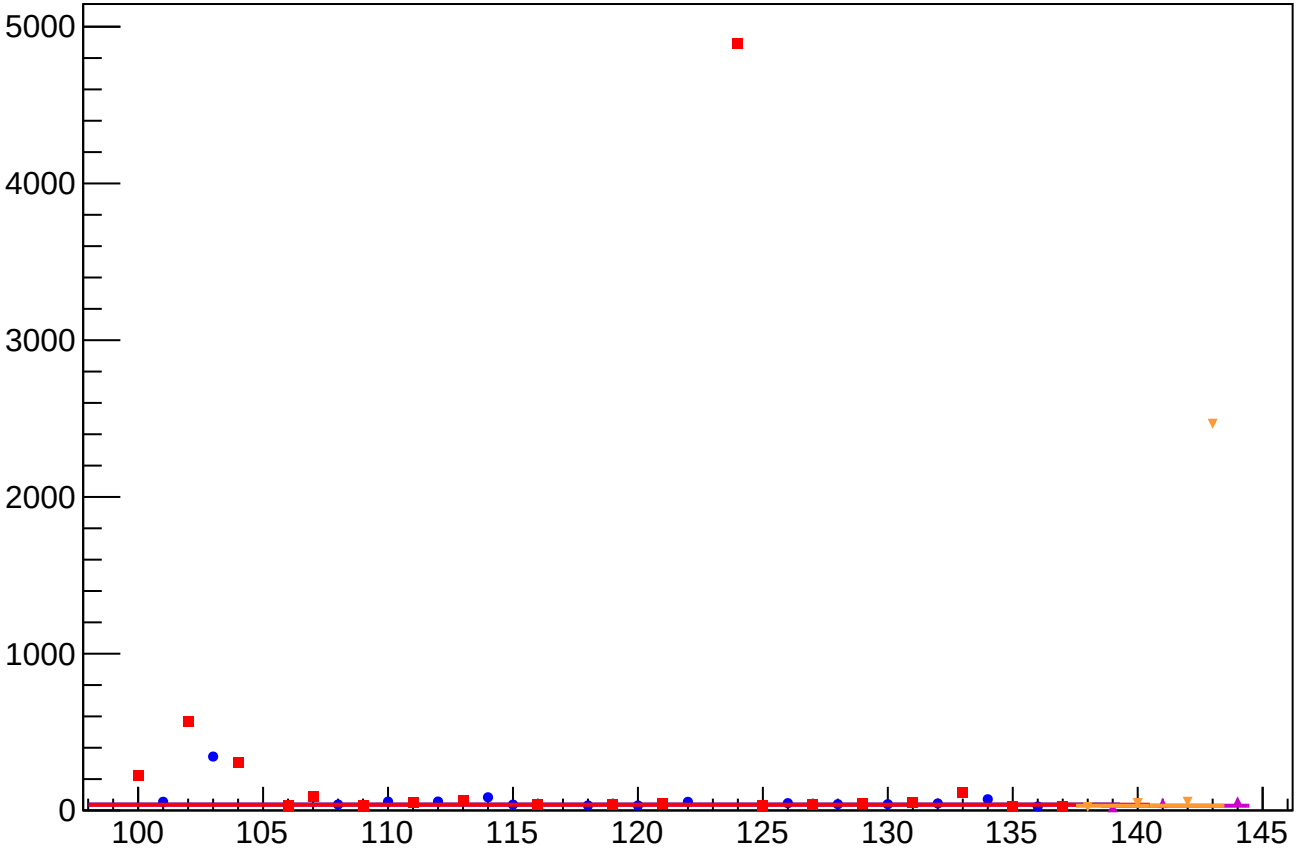
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

Left: 30.105+/-0.012 χ^2/NDF: 2983182.0/6

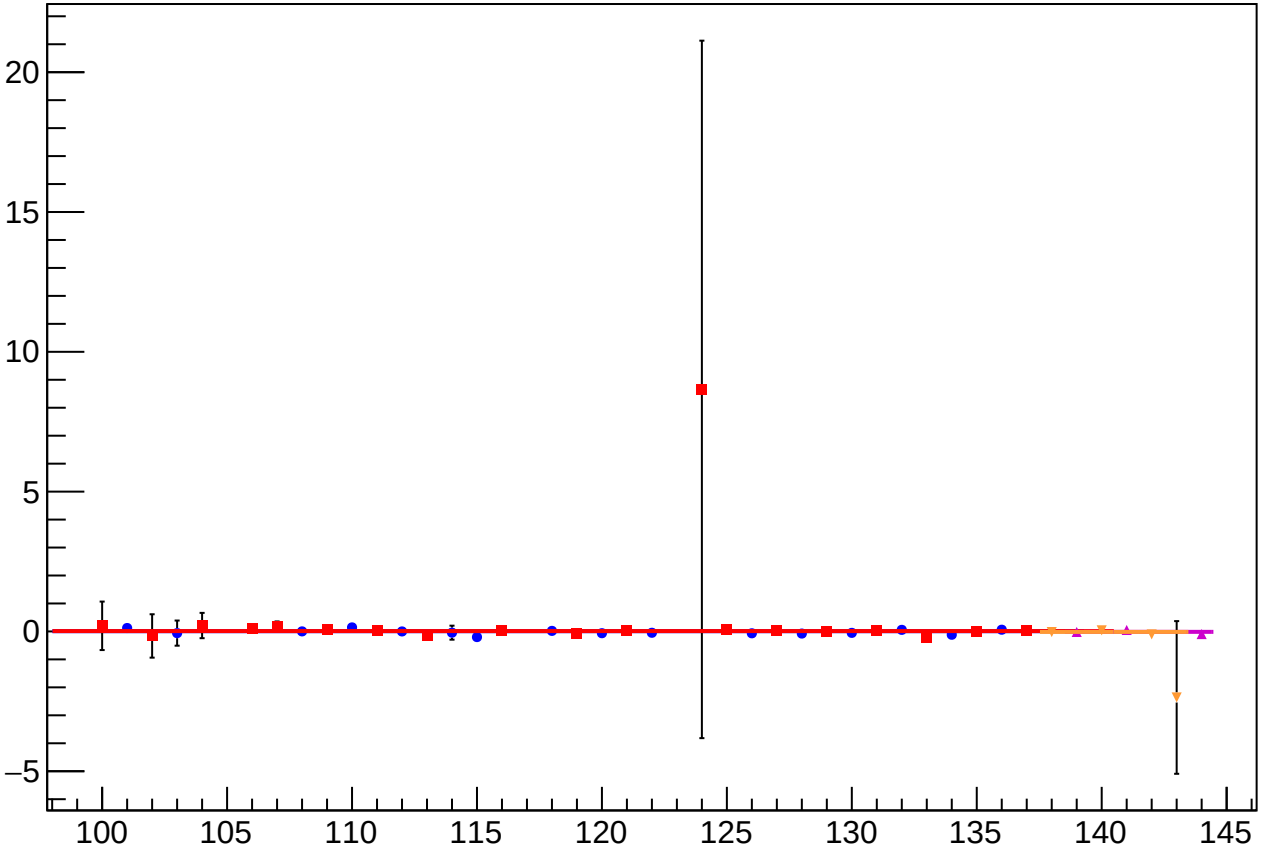
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.048+/-0.009 χ^2/NDF:2979889.0/18

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.828+/-0.007 χ^2/NDF: 8403078.6/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

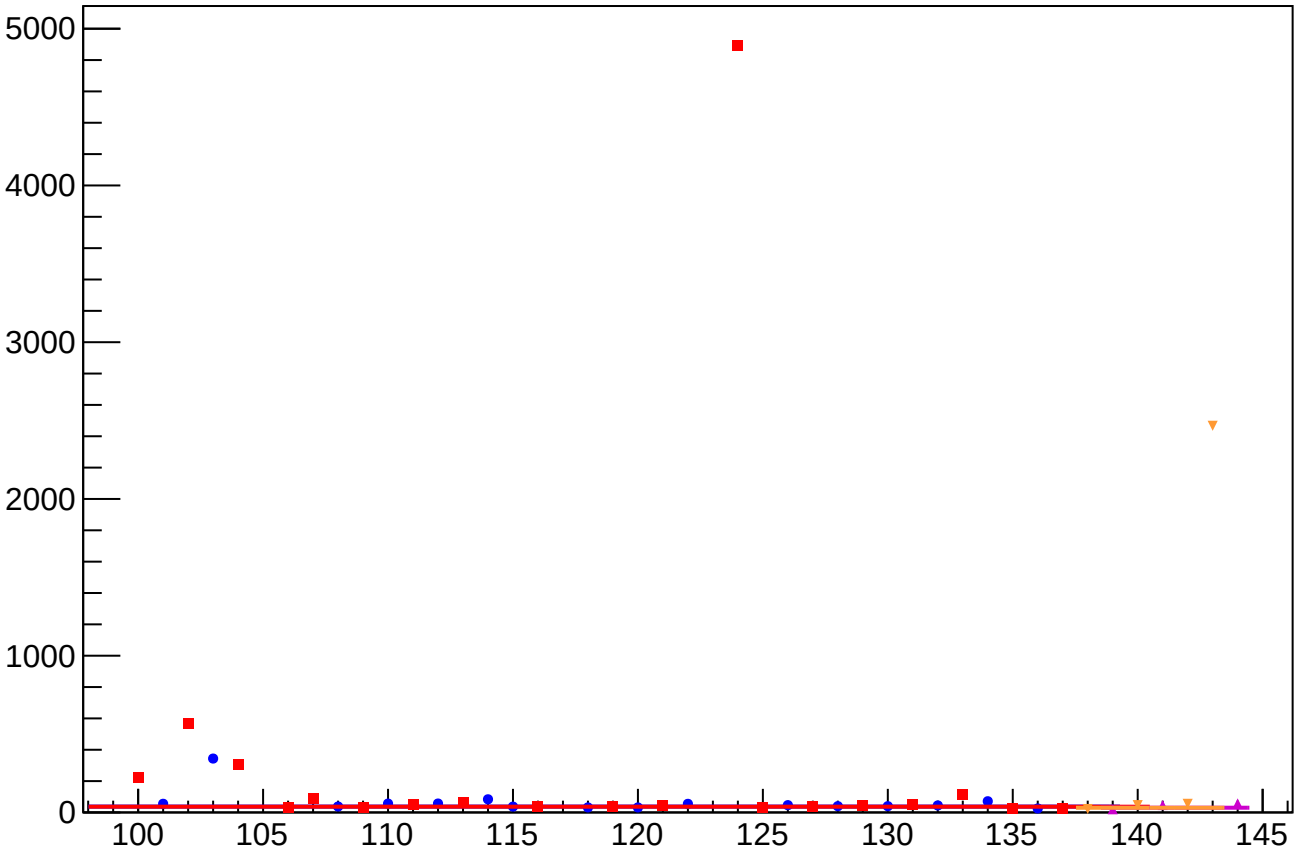
Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

Left: 30.105+/-0.012 χ^2/NDF: 2983182.0/6

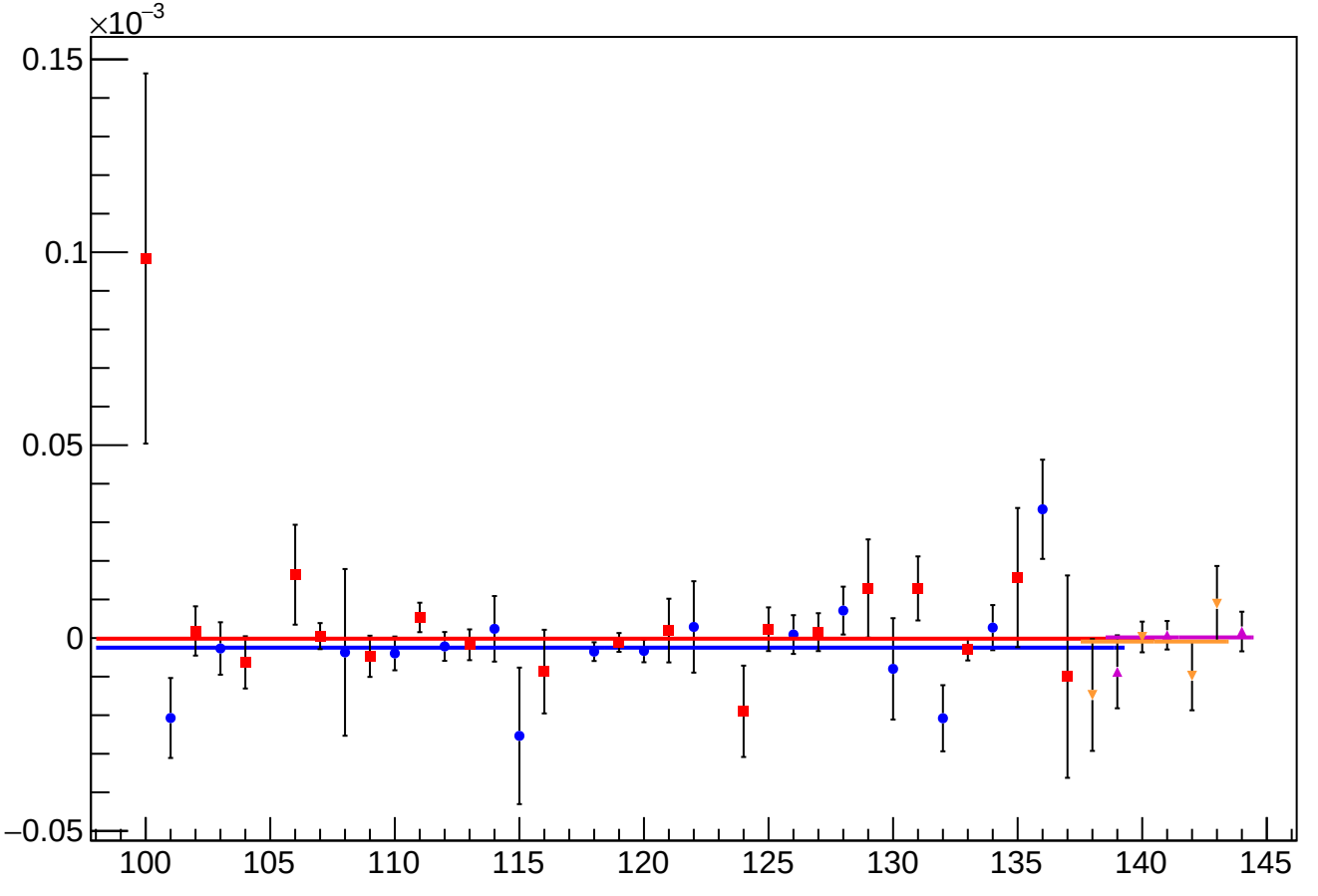
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.048+/-0.009 χ^2/NDF:2979889.0/18

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.828+/-0.007 χ^2/NDF: 8403078.6/41

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

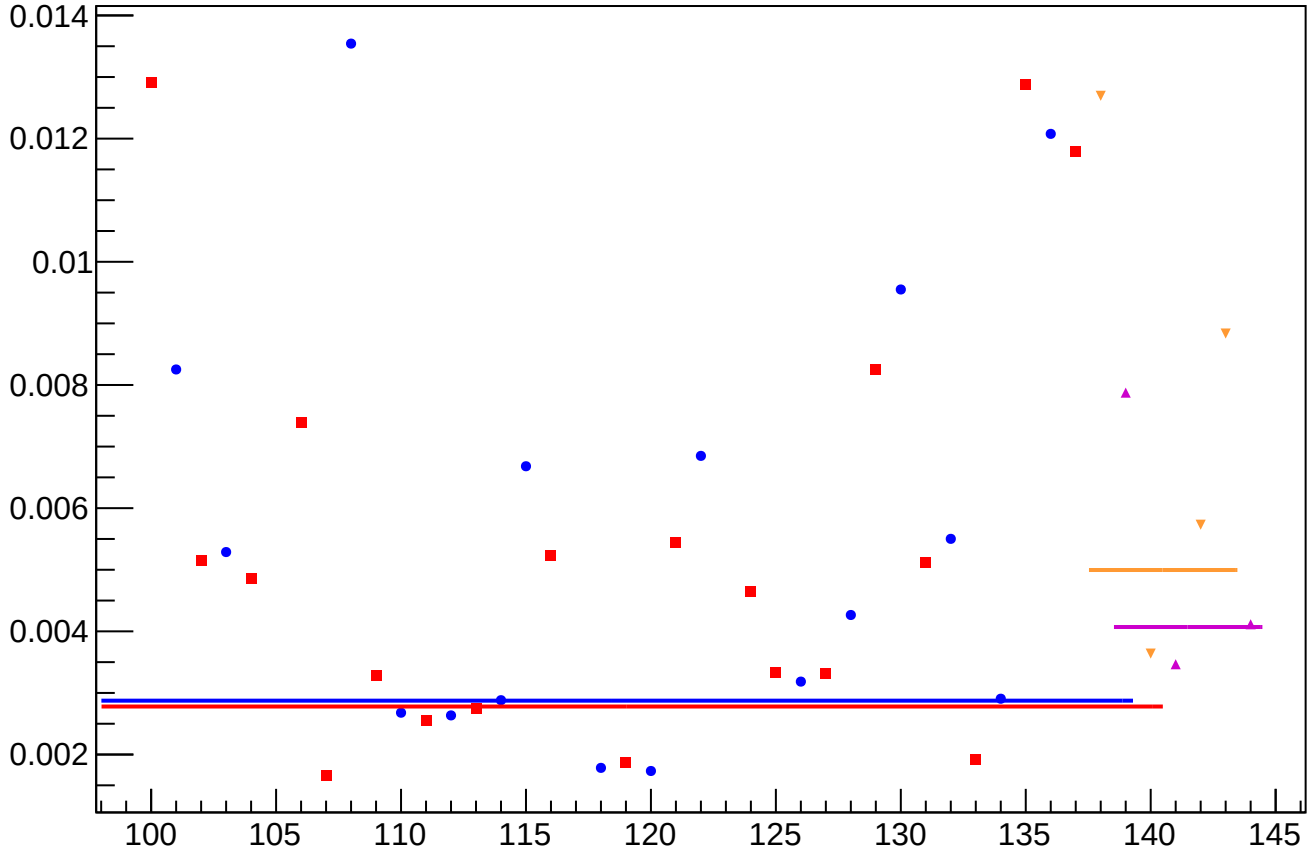
Left: -0.000+/-0.000 χ^2/NDF: 4.0/6

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/18

Out: -0.000+/-0.000 χ^2/NDF:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 46.7/41



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1117148.1/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377473.0/2

Left: 0.004+/-0.000 χ^2/NDF: 1583884.5/6

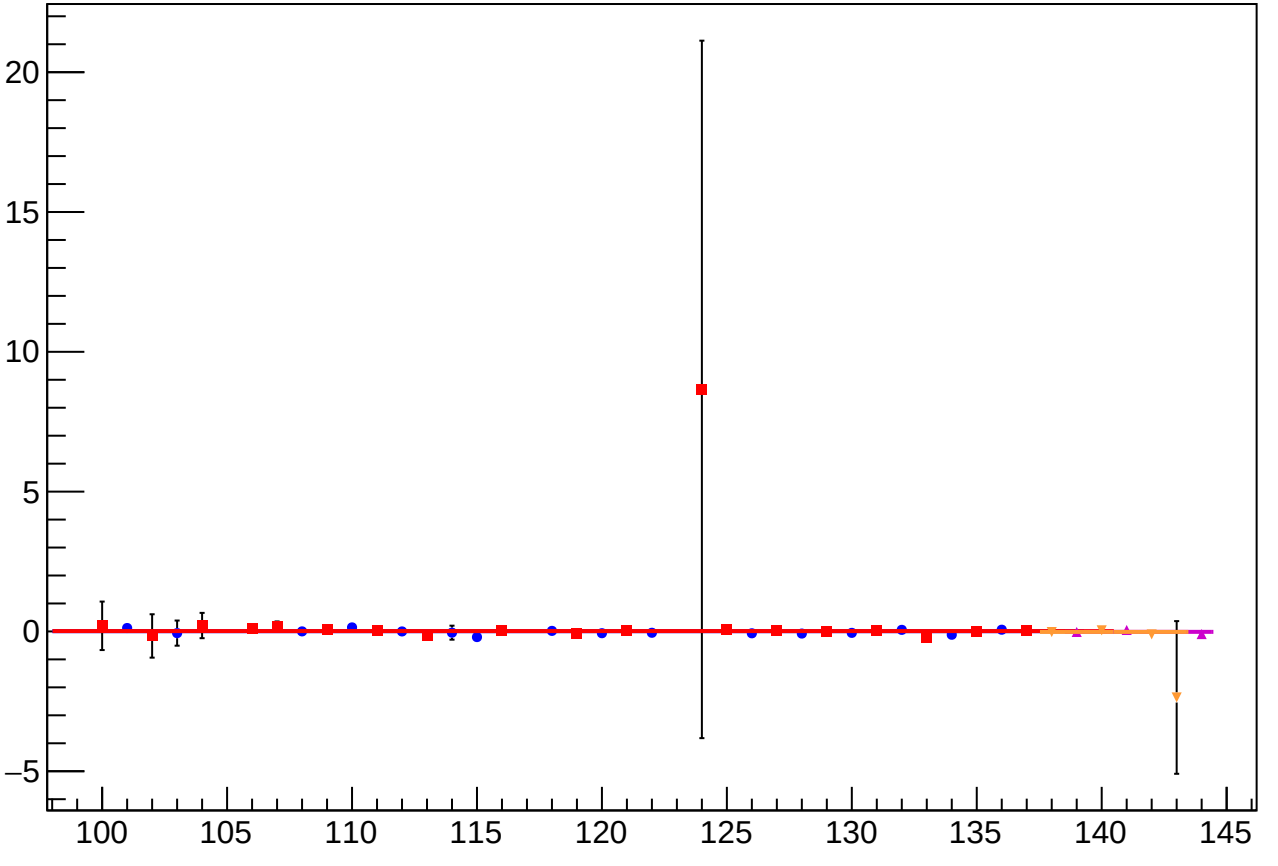
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4819072.5/18

Out: 0.003+/-0.000 χ^2/NDF:5221390.7/22

All: 0.003+/-0.000 χ^2/NDF: 10042753.7/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

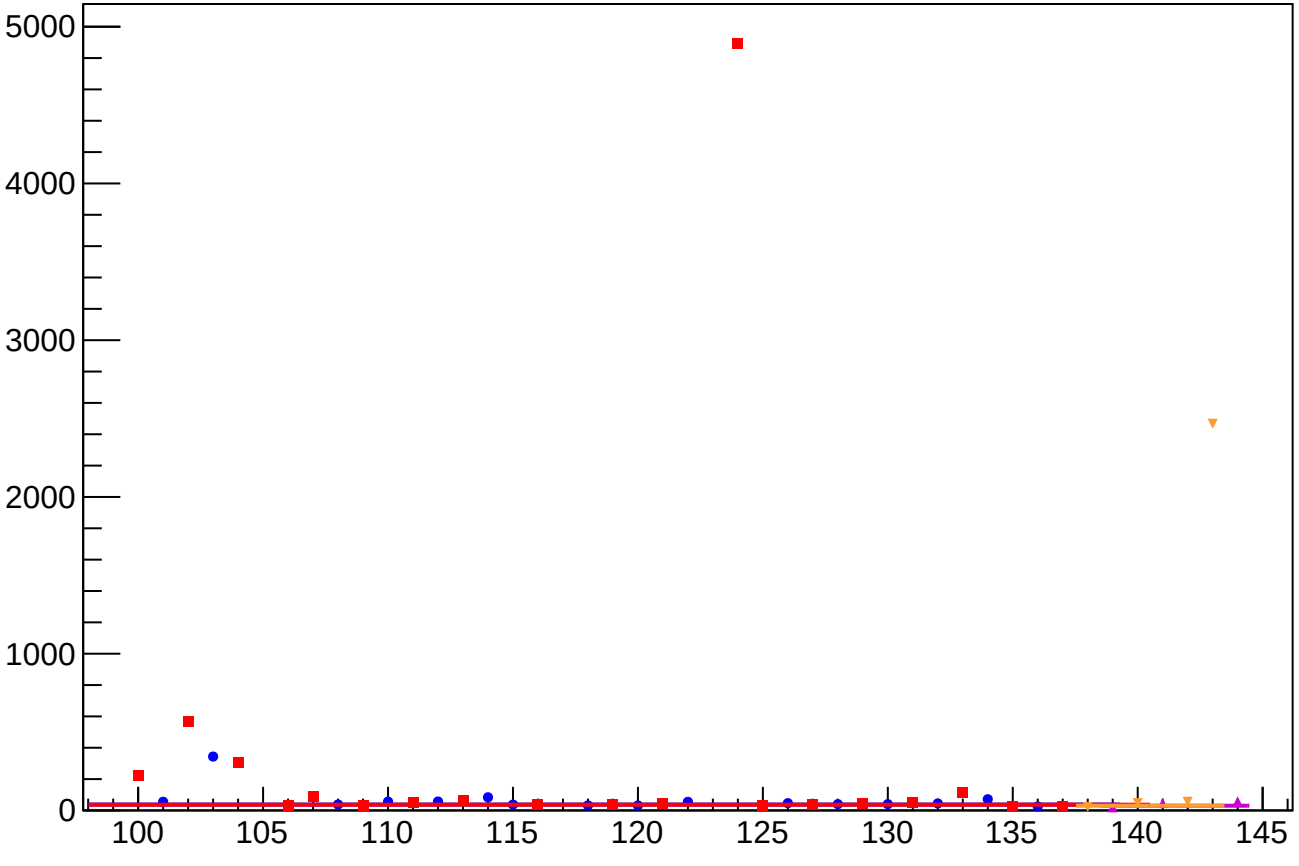
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

Left: 30.109+/-0.012 χ^2/NDF: 2982940.8/6

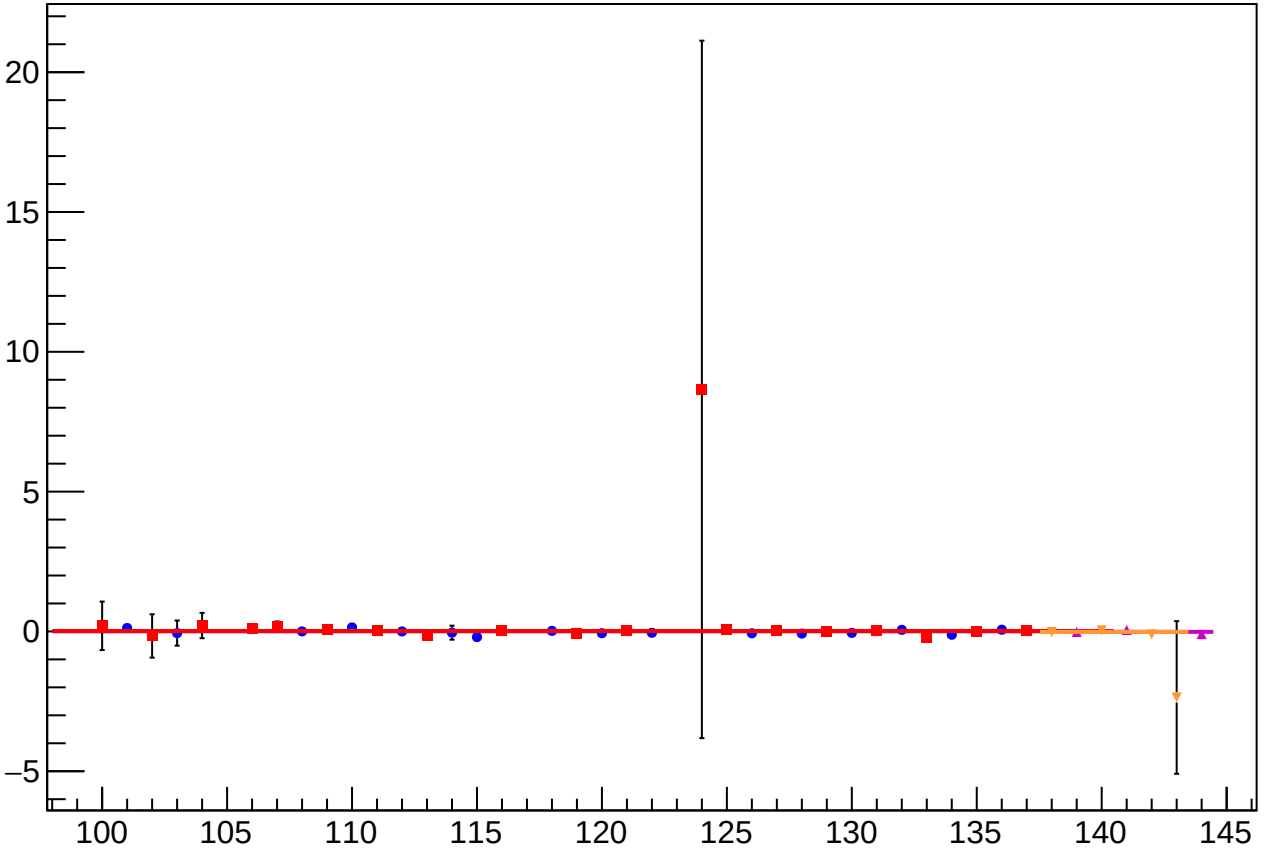
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.052+/-0.009 χ^2/NDF:2978862.0/18

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.830+/-0.007 χ^2/NDF: 8402271.0/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

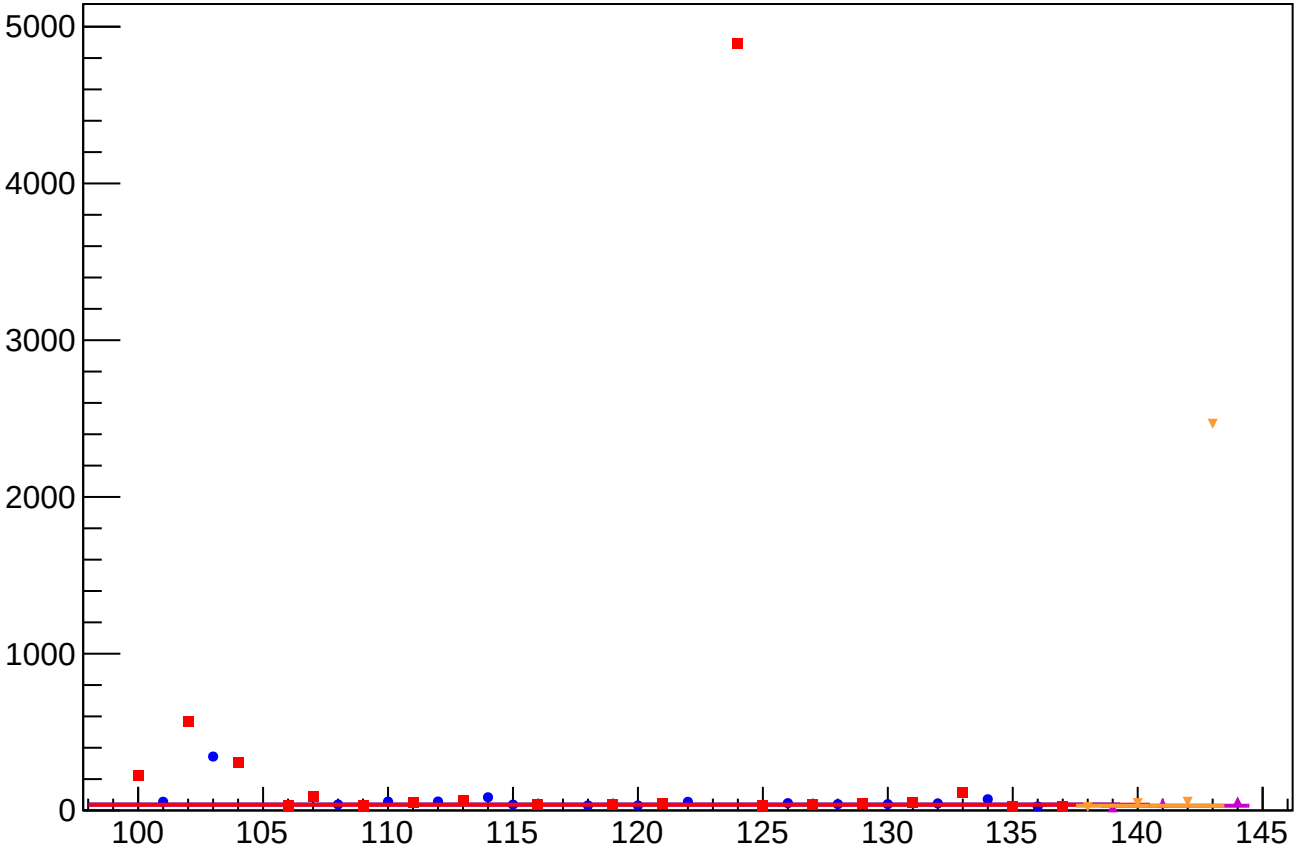
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

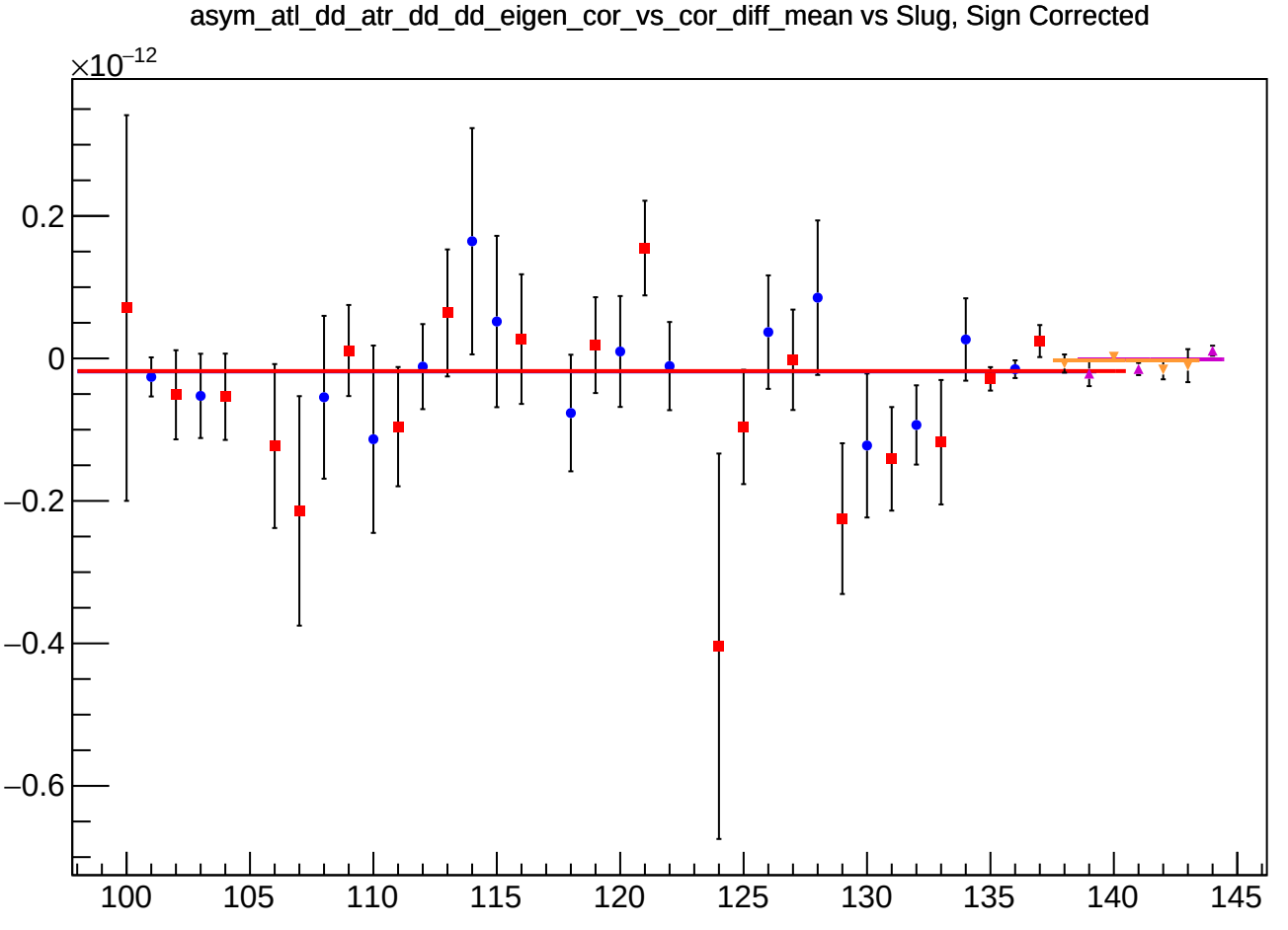
Left: 30.109+/-0.012 χ^2/NDF: 2982940.8/6

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.052+/-0.009 χ^2/NDF:2978862.0/18

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.830+/-0.007 χ^2/NDF: 8402271.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/2

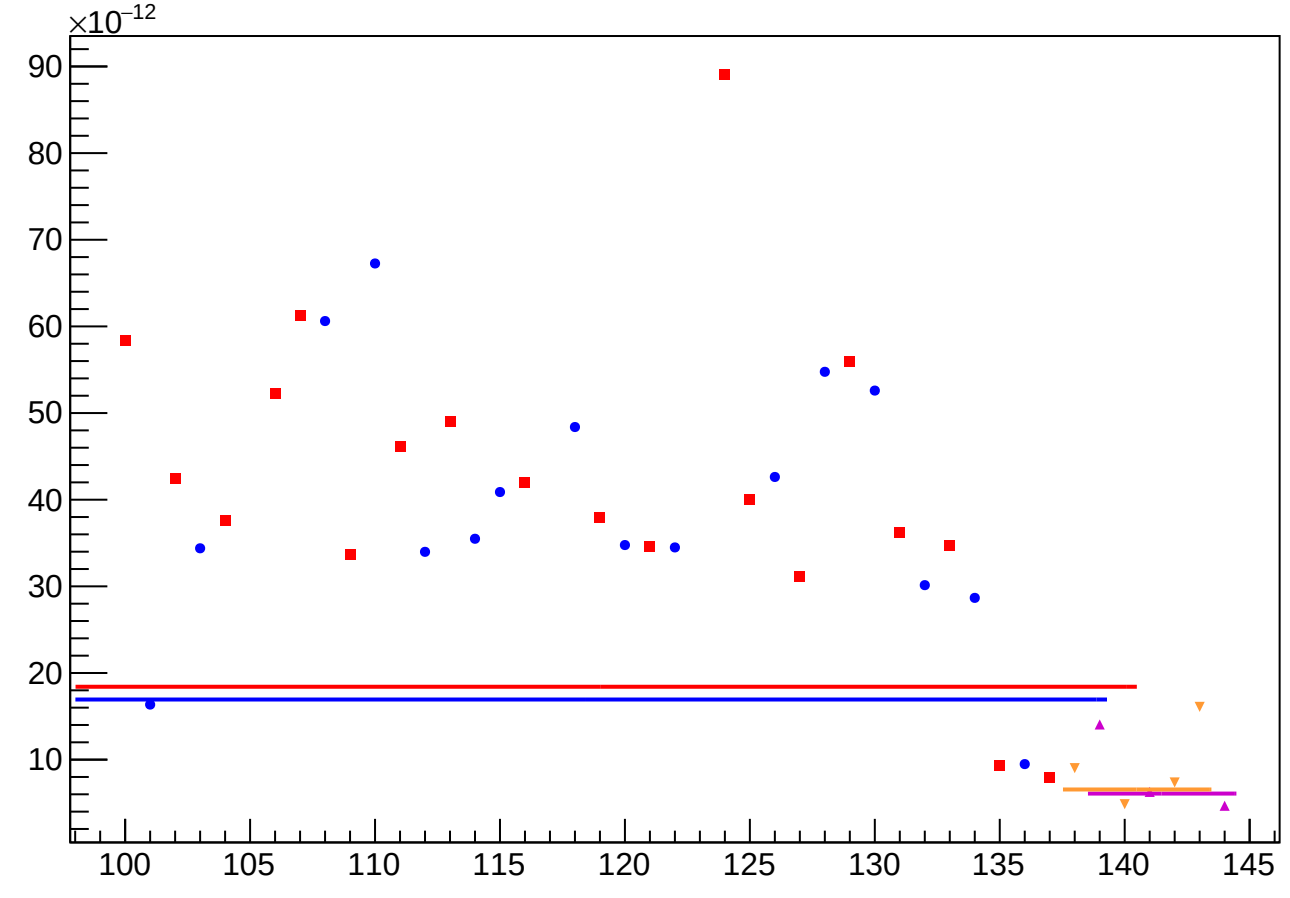
Left: -0.000+/-0.000 χ^2/NDF: 8.4/6

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:17.3/18

Out: -0.000+/-0.000 χ^2/NDF:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 47.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:493025.0/2

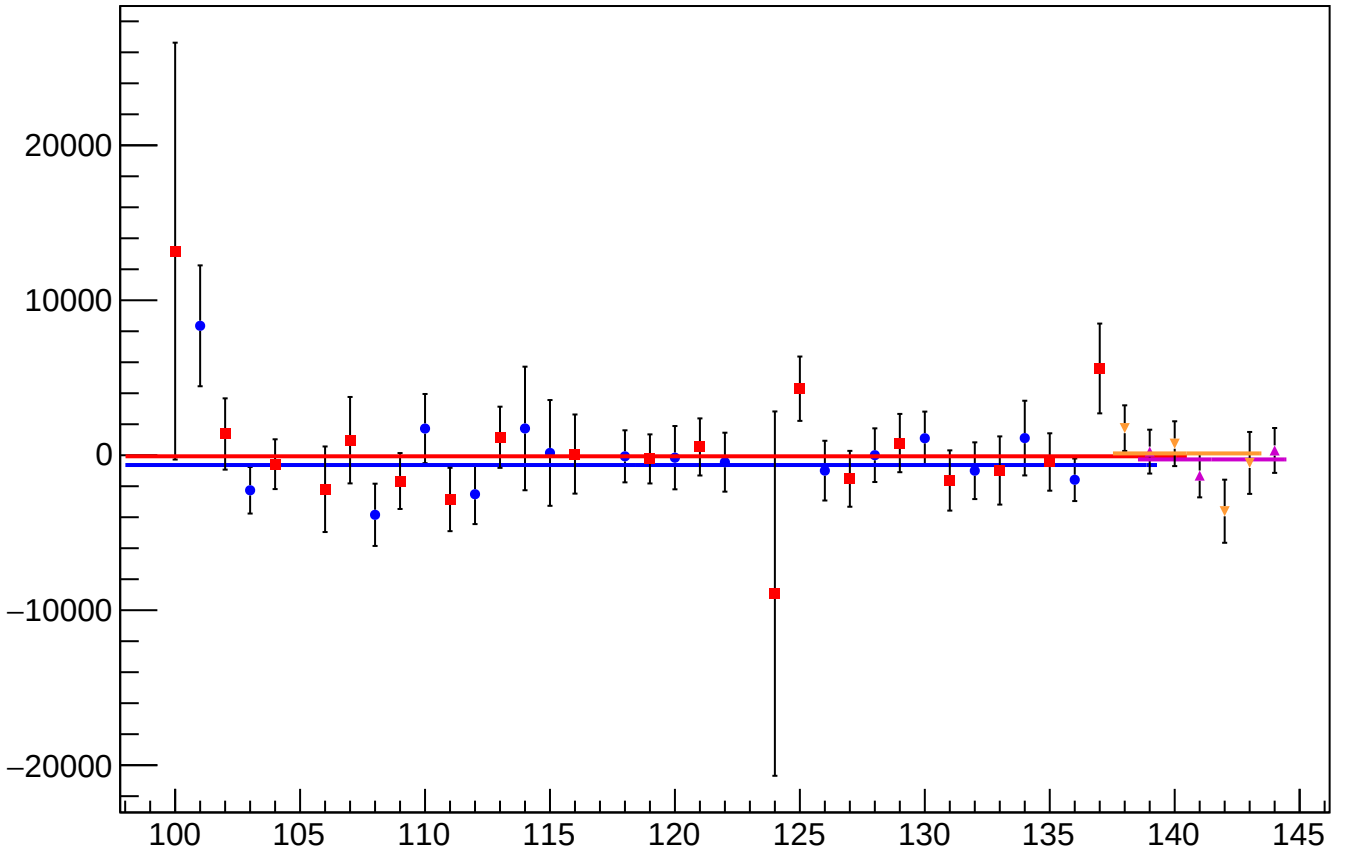
Left: 0.000+/-0.000 χ^2/NDF: 1048203.2/6

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5580271.6/18

Out: 0.000+/-0.000 χ^2/NDF:6089741.1/22

All: 0.000+/-0.000 χ^2/NDF: 11675846.1/41



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -269.681+/-821.347 χ^2/NDF:0.8/2

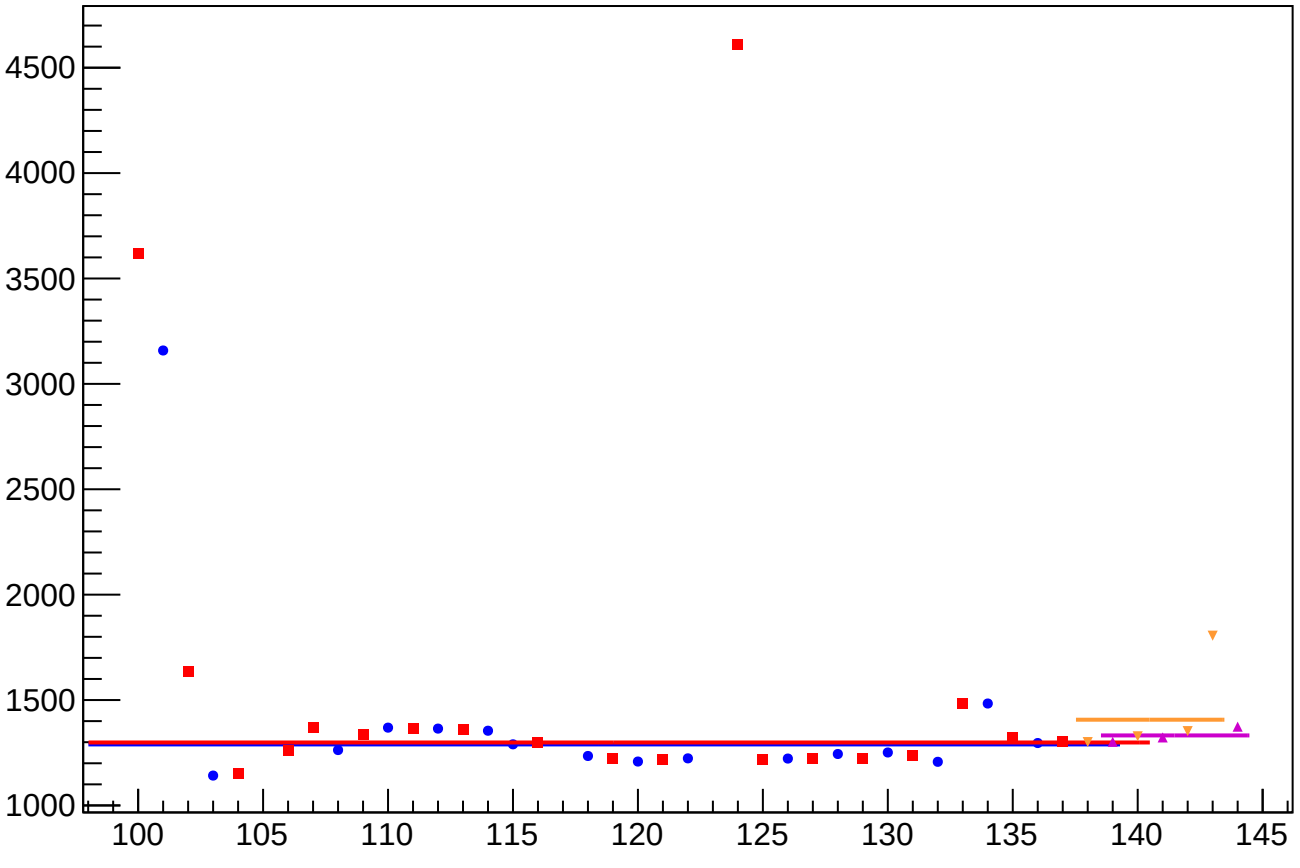
Left: -79.417+/-585.845 χ^2/NDF: 5.8/6

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -536.571+/-419.957 χ^2/NDF:14.9/18

Out: -20.579+/-421.279 χ^2/NDF:20.8/22

All: -279.386+/-297.421 χ^2/NDF: 36.4/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

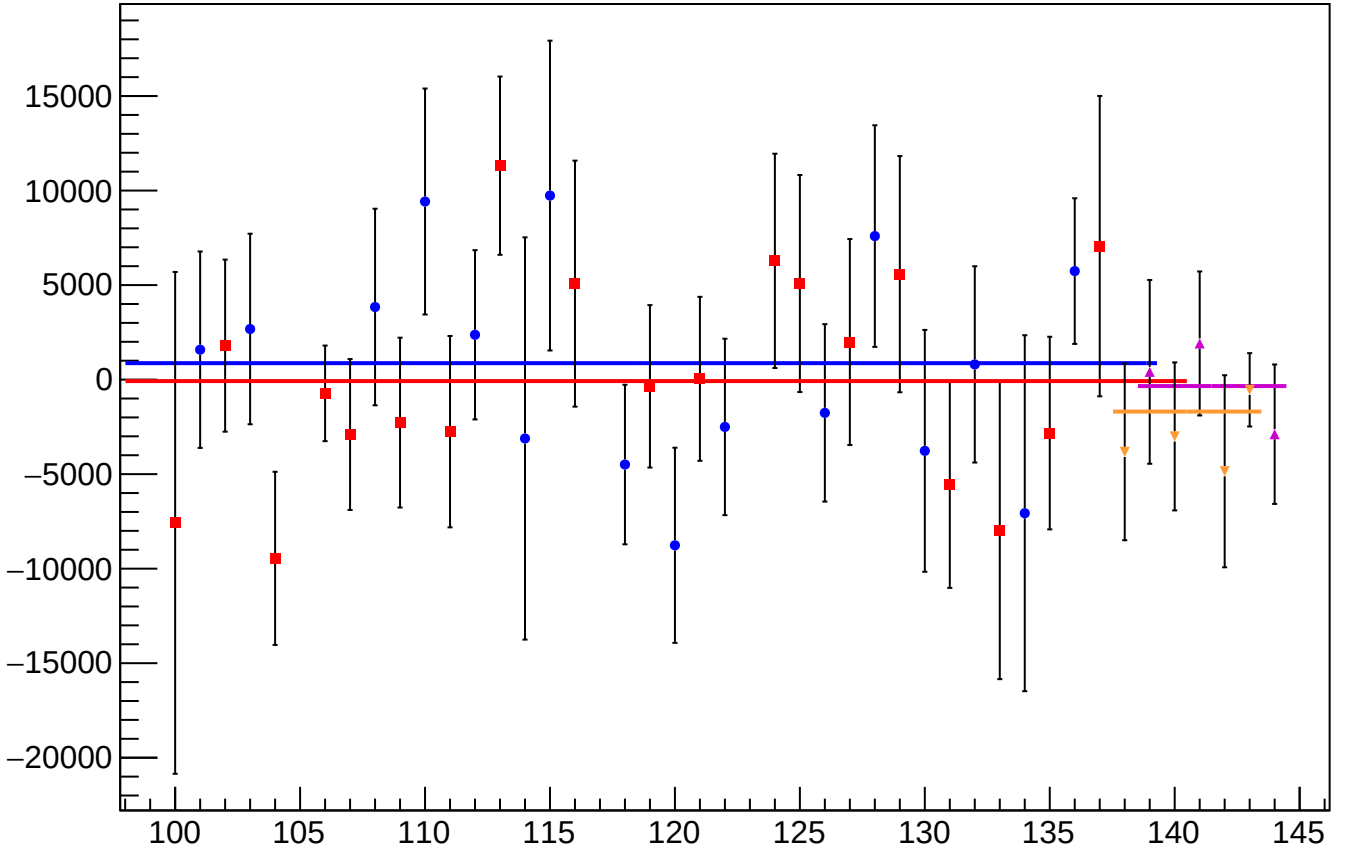
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1300.620+/-0.297 χ^2/NDF:521313.3/18

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1313.292+/-0.210 χ^2/NDF: 966665.7/41

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -341.754+/-2326.506 χ^2/NDF:0.9/2

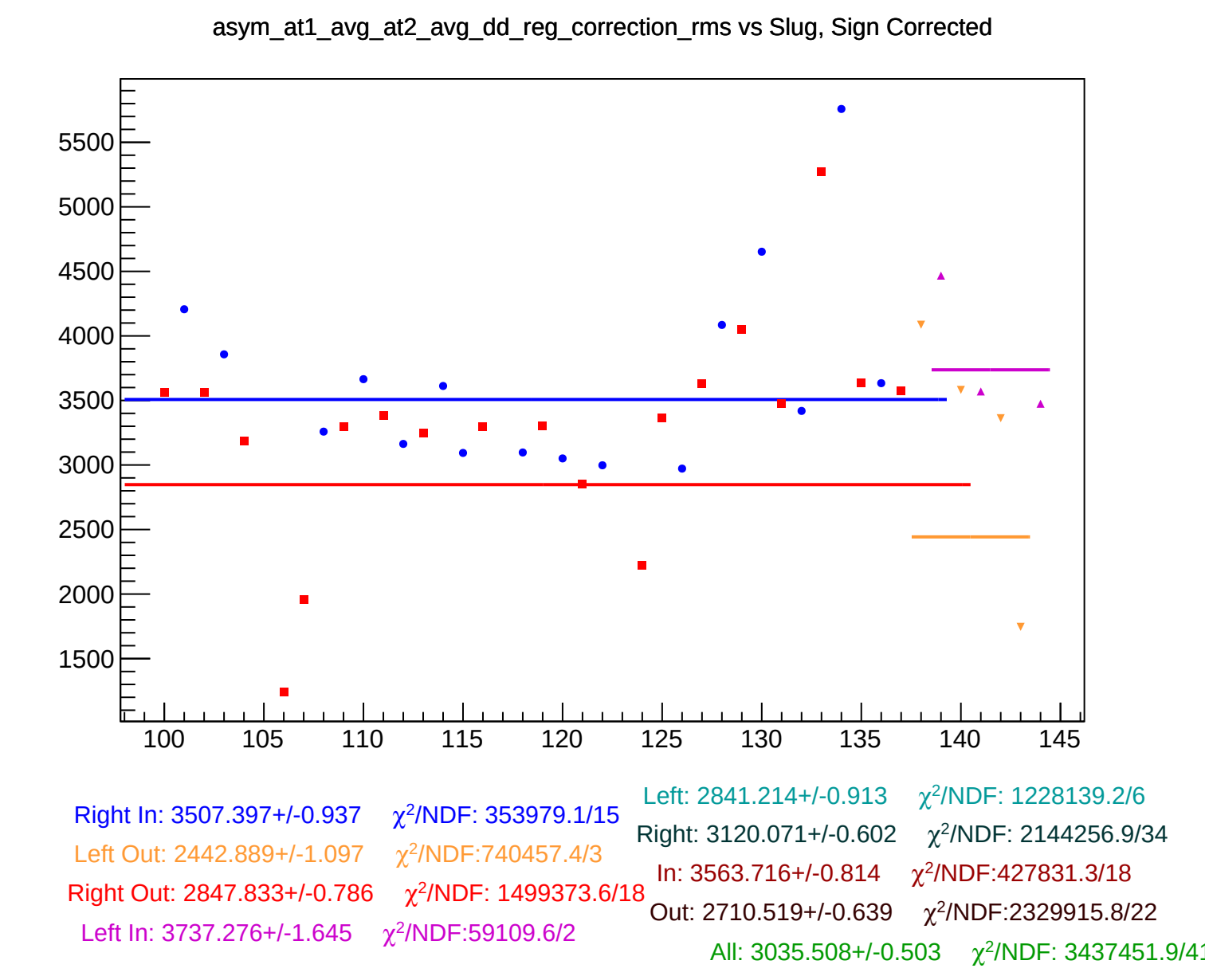
Left: -1275.416+/-1290.599 χ^2/NDF: 2.1/6

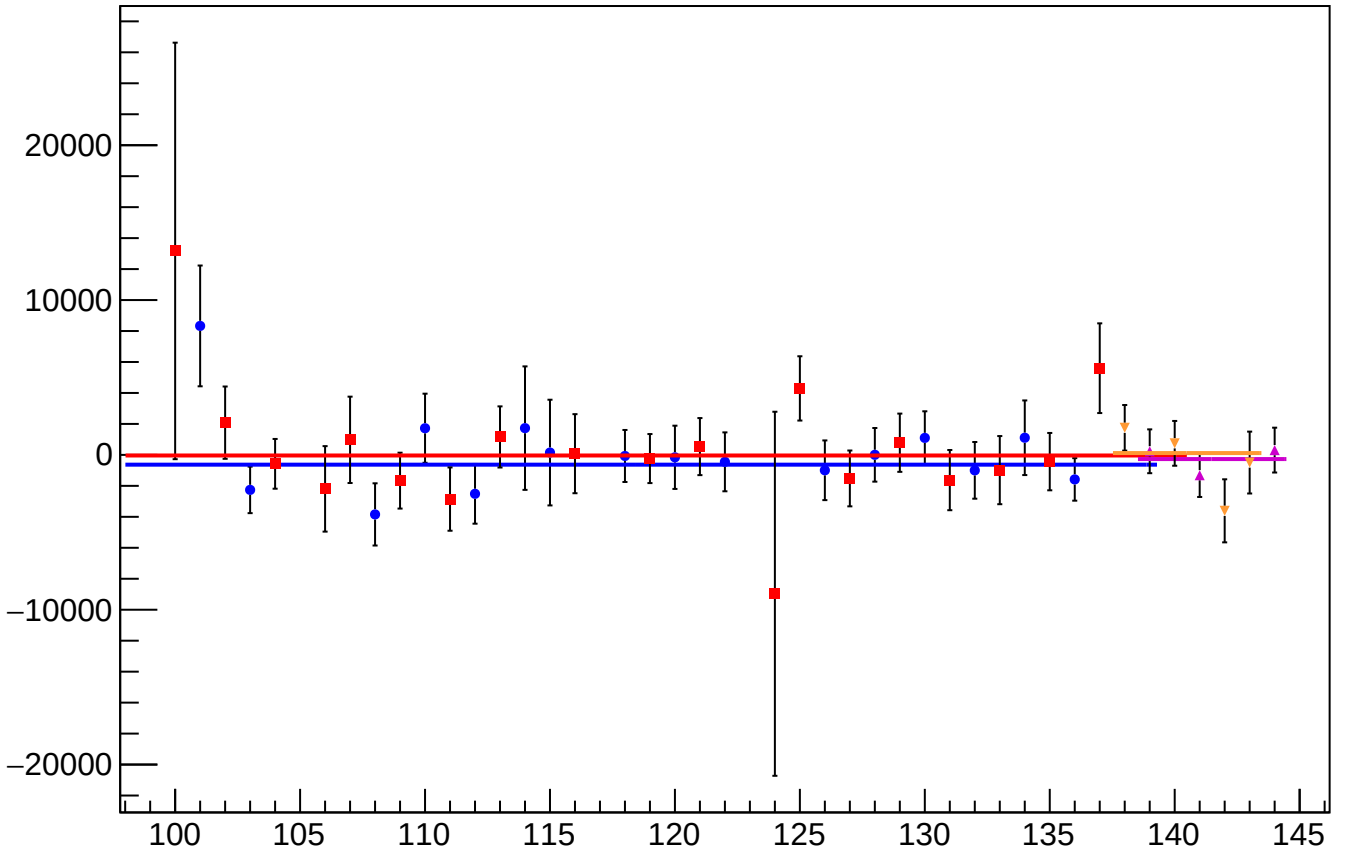
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 573.350+/-1151.548 χ^2/NDF:15.1/18

Out: -624.325+/-903.261 χ^2/NDF:20.2/22

All: -168.122+/-710.708 χ^2/NDF: 35.9/41


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2442.889+/-1.097 χ²/NDF:740457.4/3
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3737.276+/-1.645 χ²/NDF:59109.6/2
Left: 2841.214+/-0.913 χ²/NDF: 1228139.2/6
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3563.716+/-0.814 χ²/NDF:427831.3/18
Out: 2710.519+/-0.639 χ²/NDF:2329915.8/22
All: 3035.508+/-0.503 χ²/NDF: 3437451.9/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

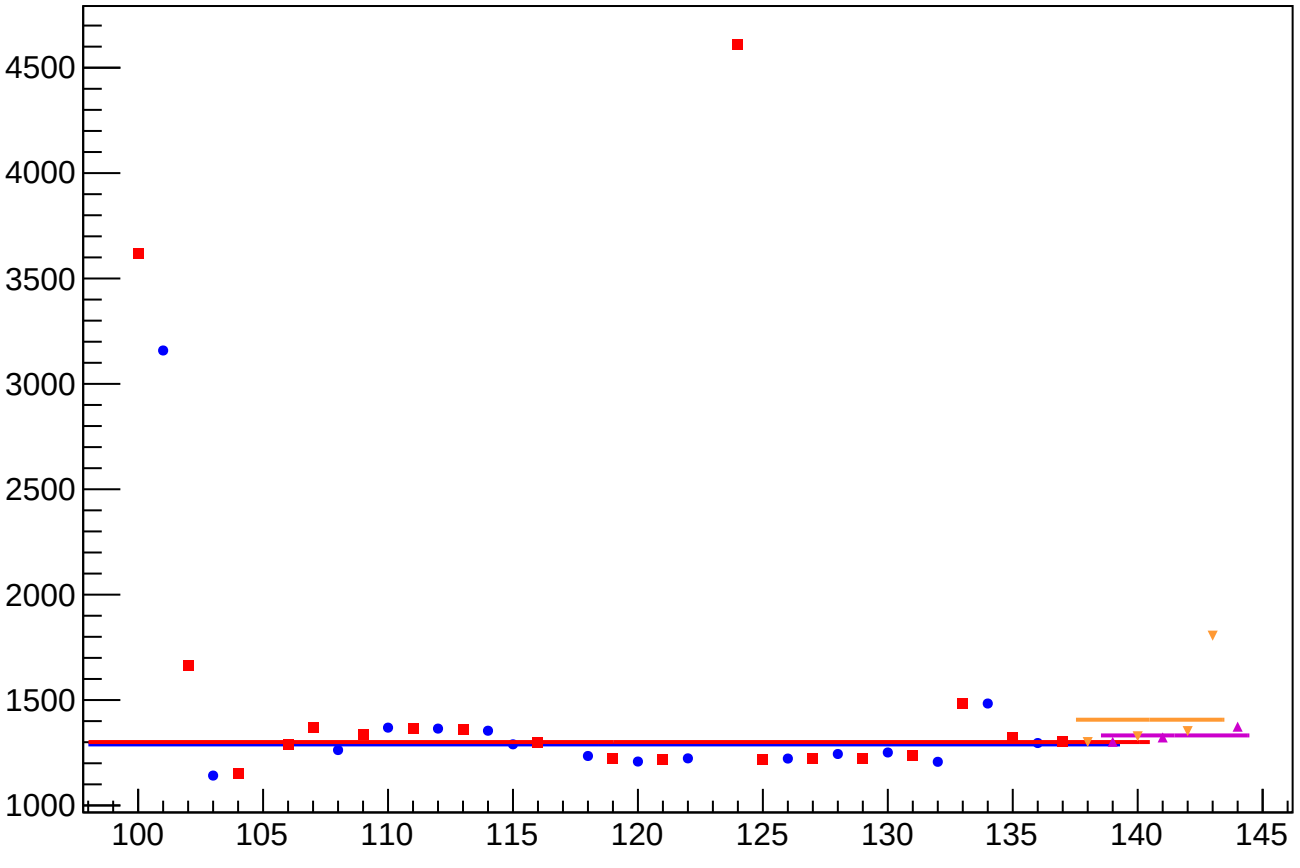
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

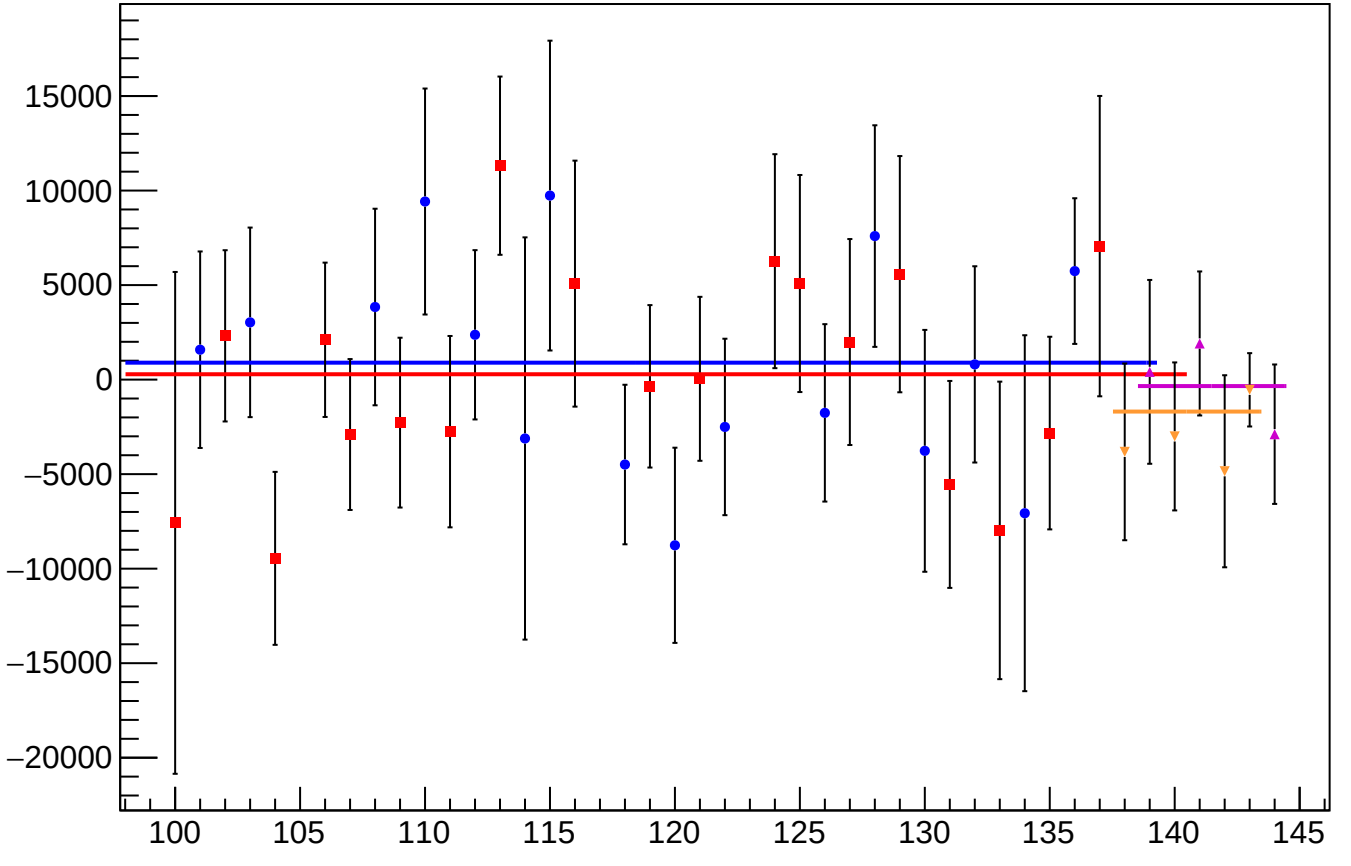
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

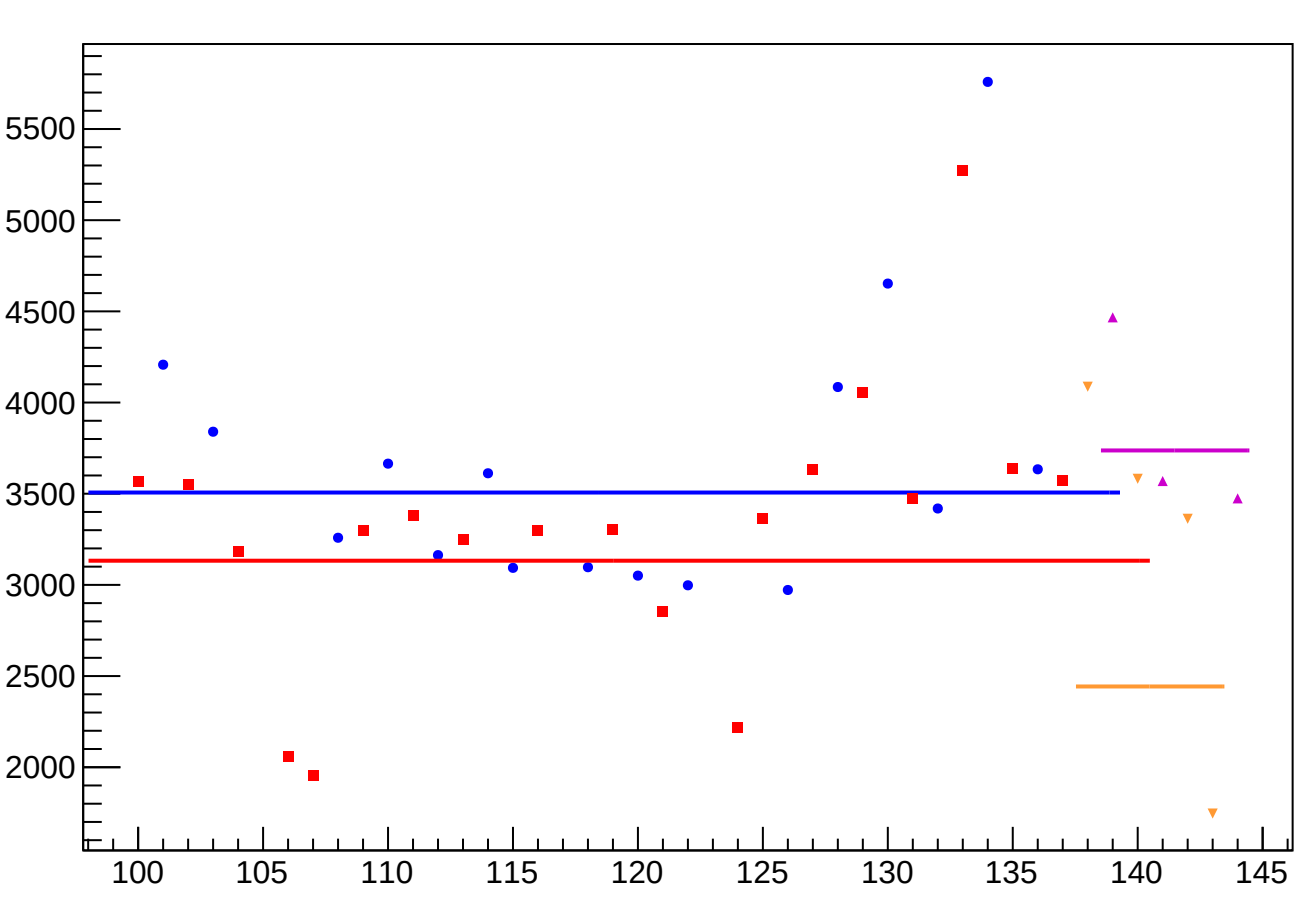
Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

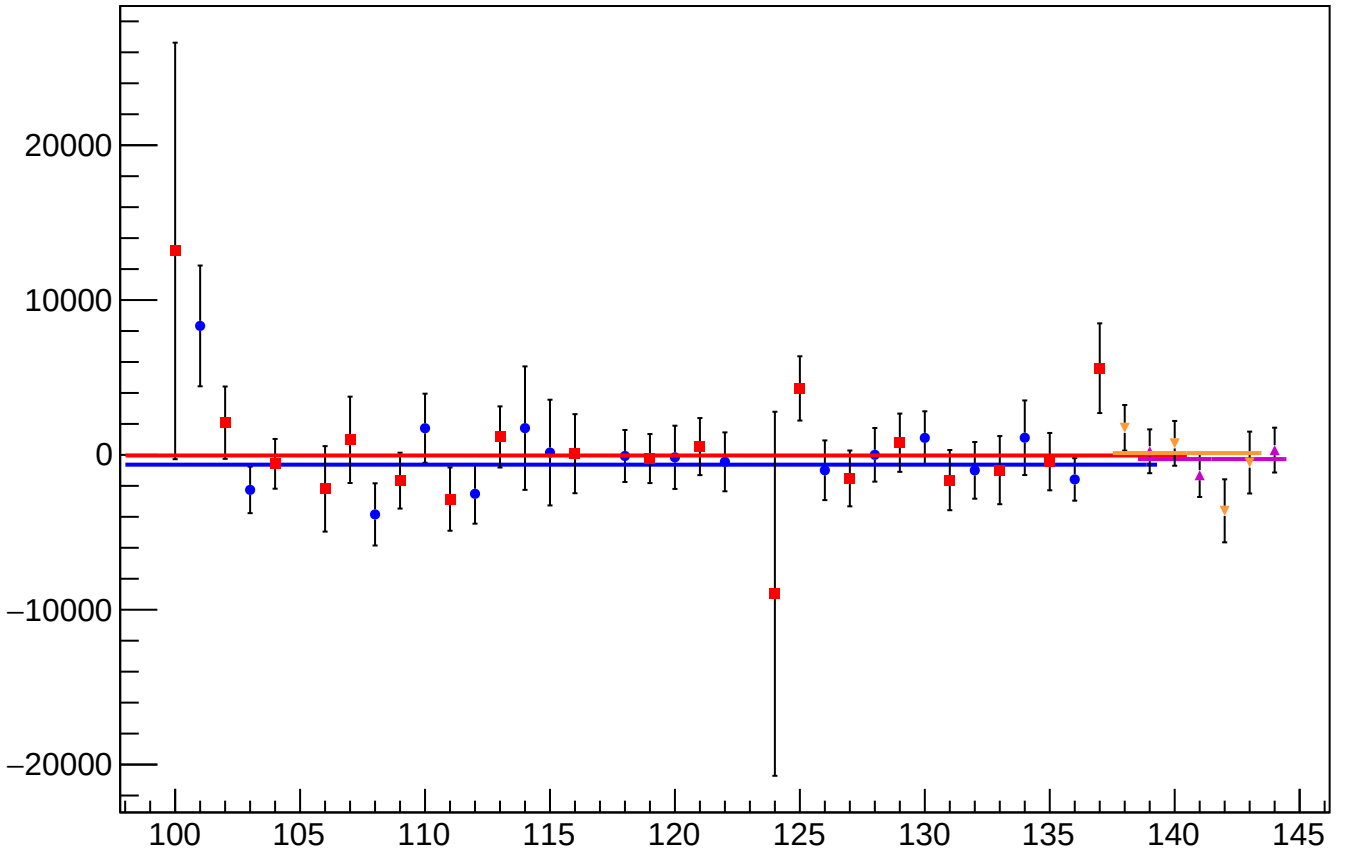
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

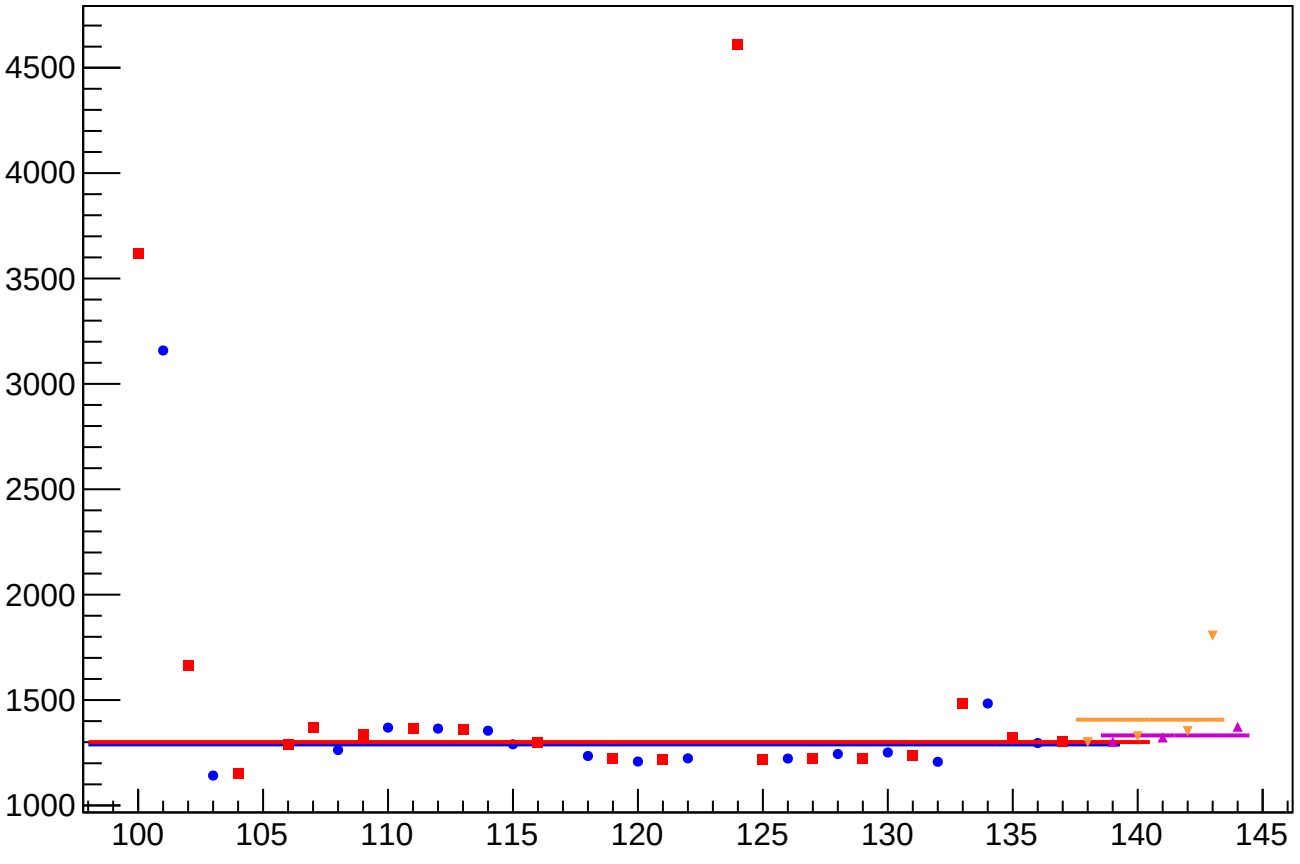
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

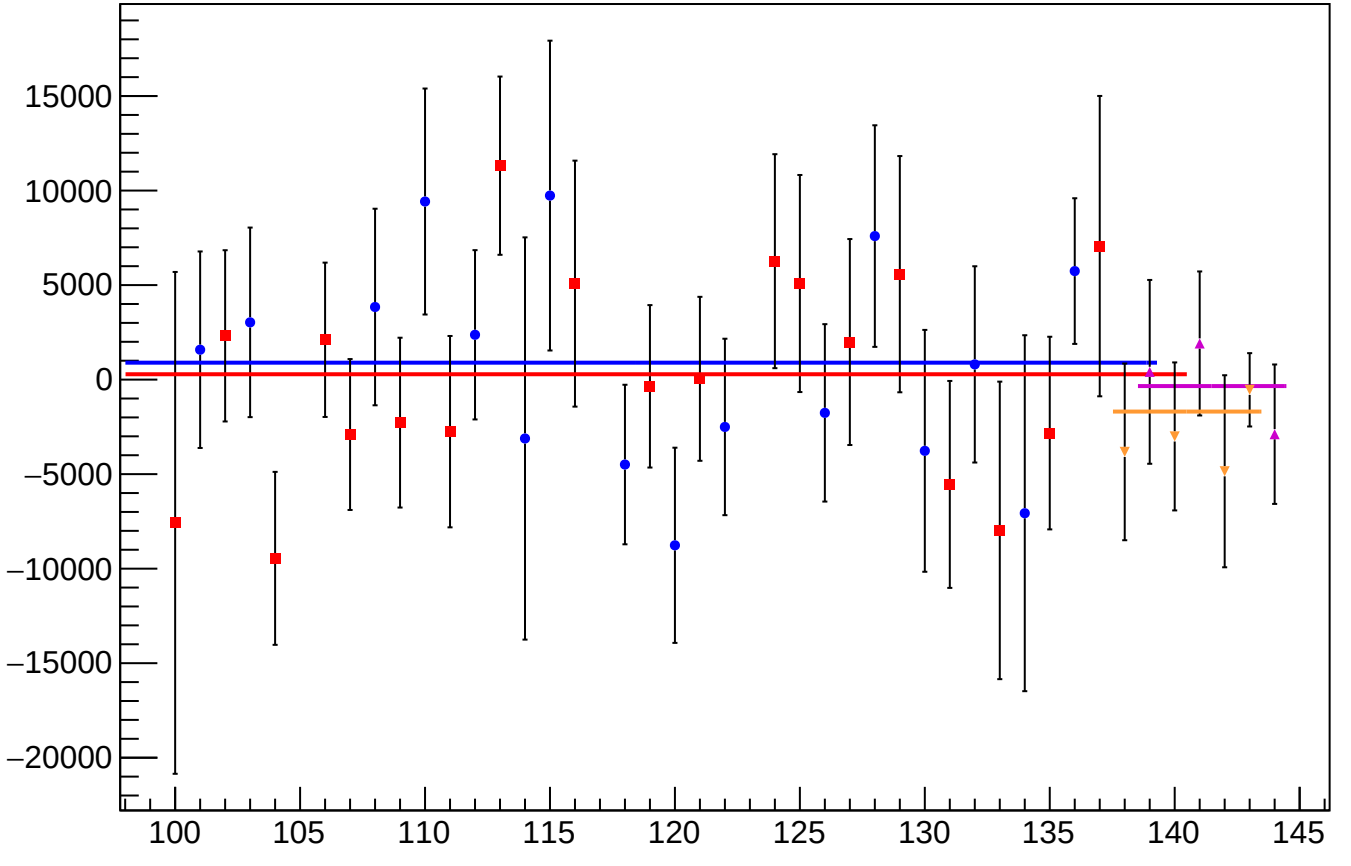
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

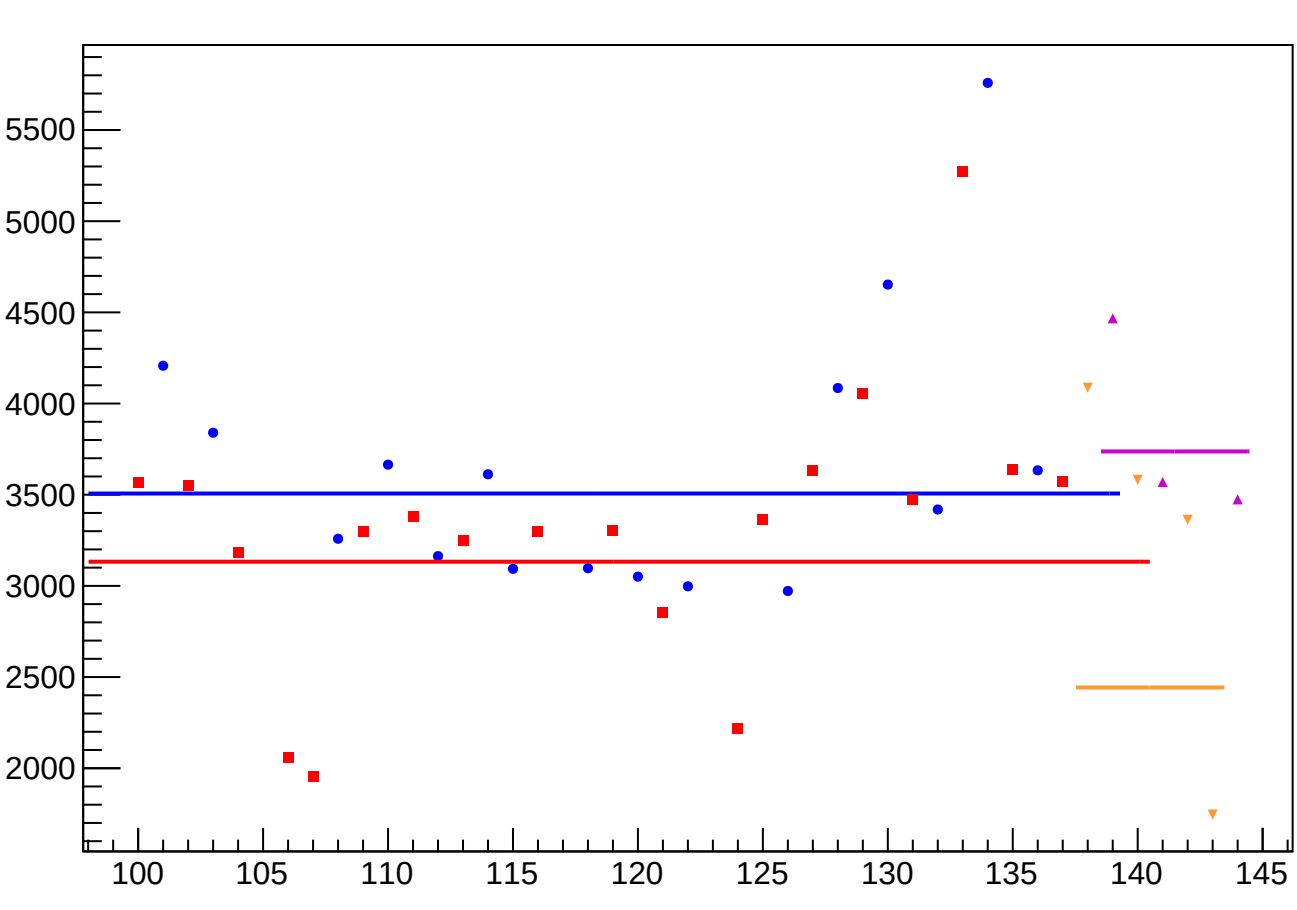
Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

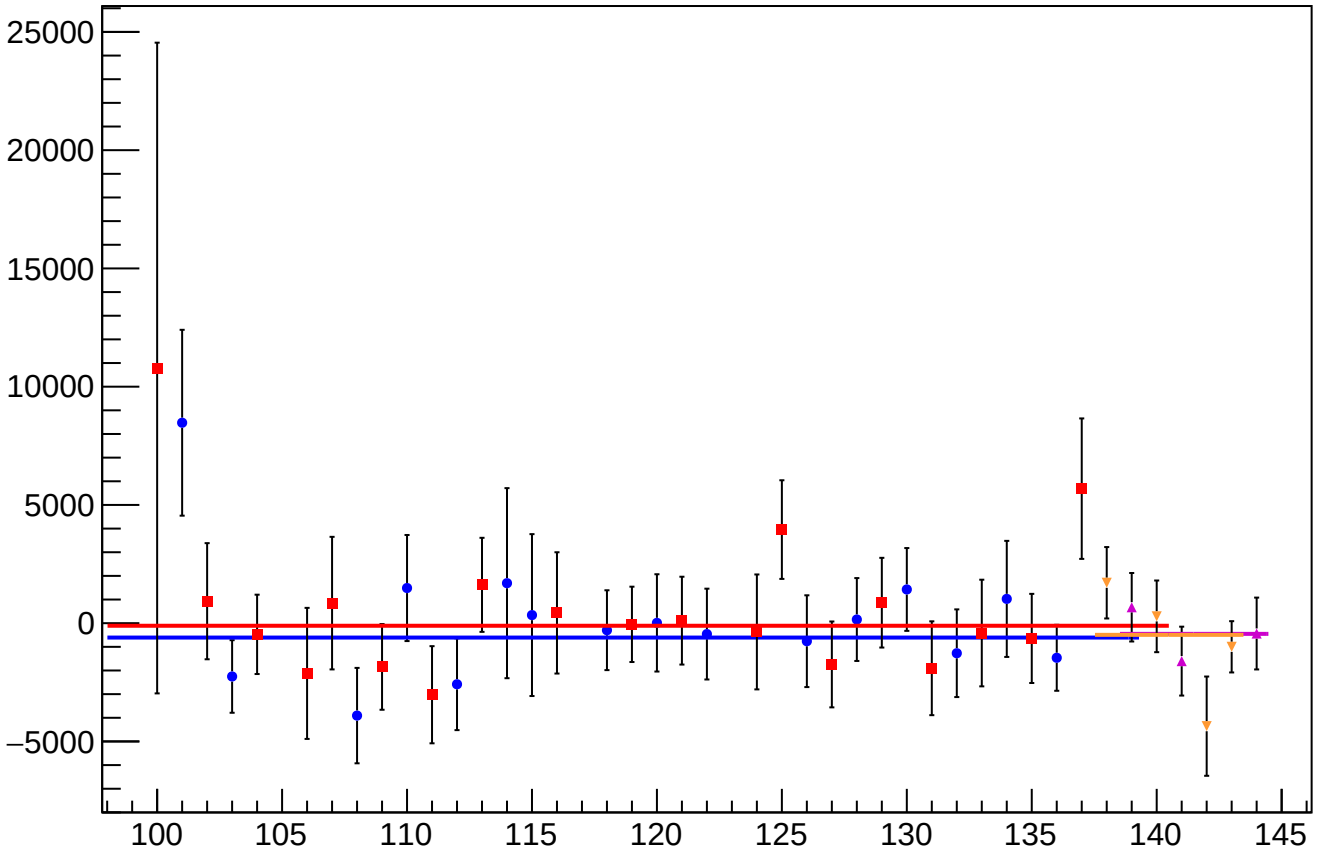
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -451.534+/-850.702 χ^2/NDF:1.2/2

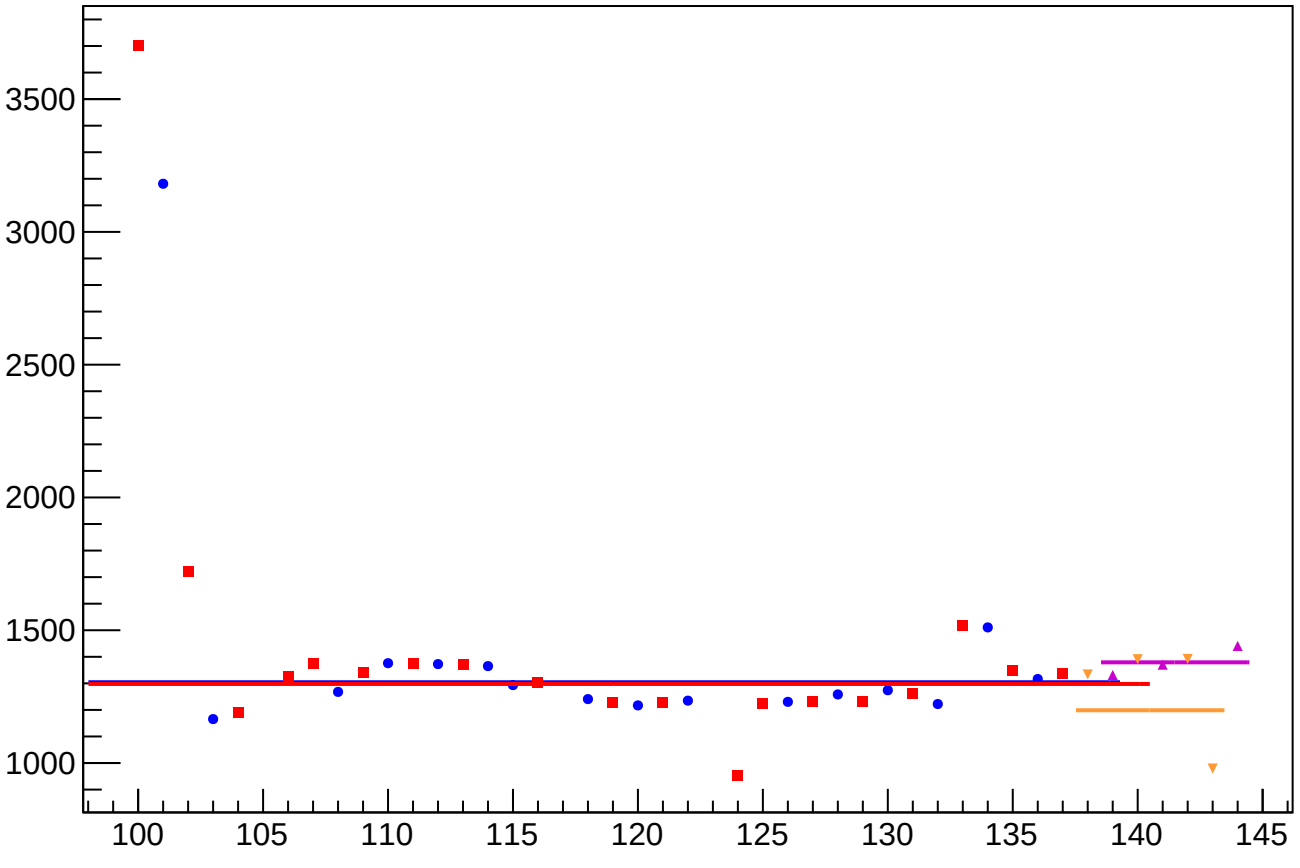
Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -568.395+/-427.314 χ^2/NDF:15.4/18

Out: -229.873+/-401.800 χ^2/NDF:21.1/22

All: -388.727+/-292.720 χ^2/NDF: 36.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

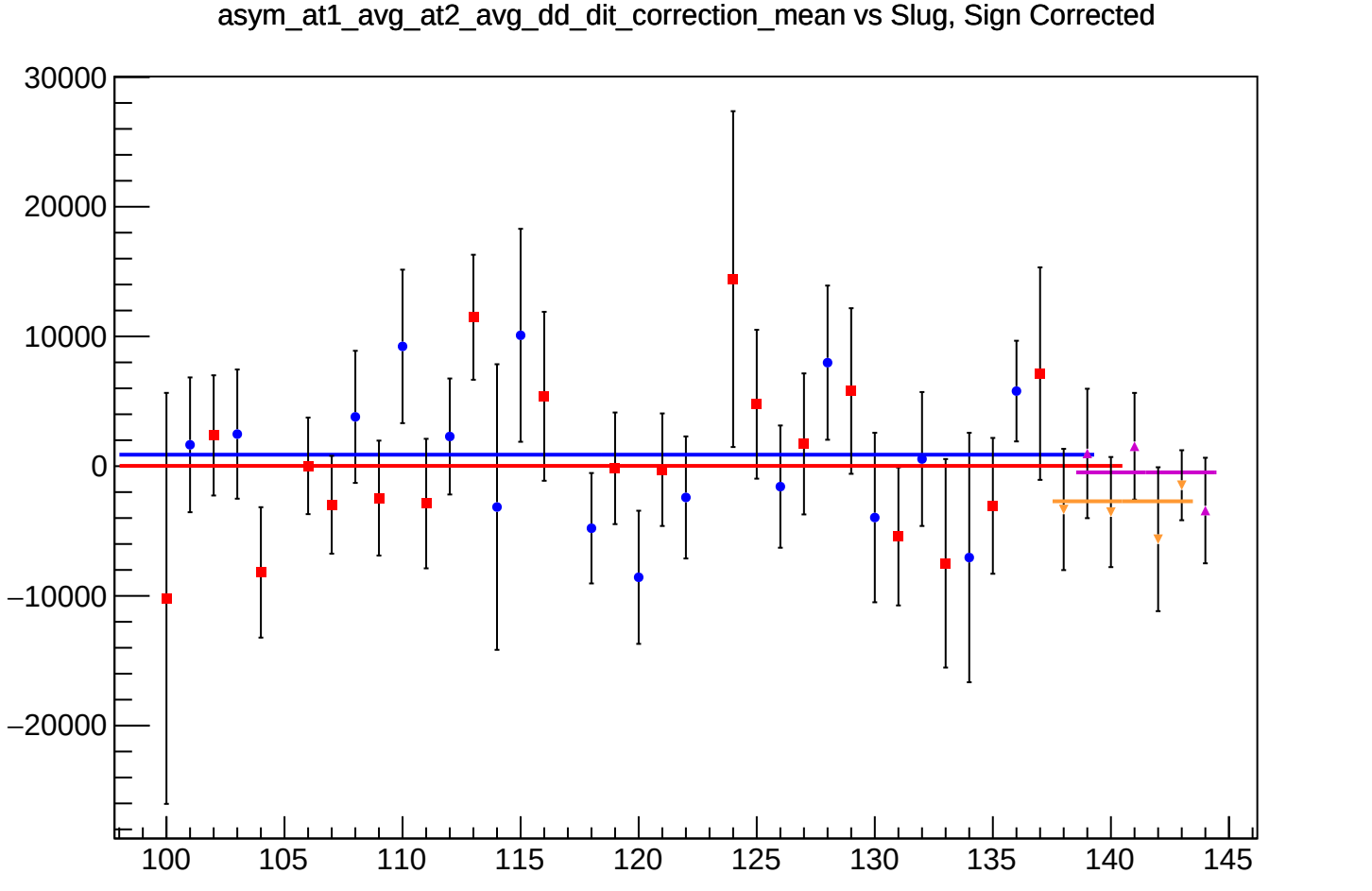
Left: 1273.468+/-0.387 χ^2/NDF: 205322.0/6

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

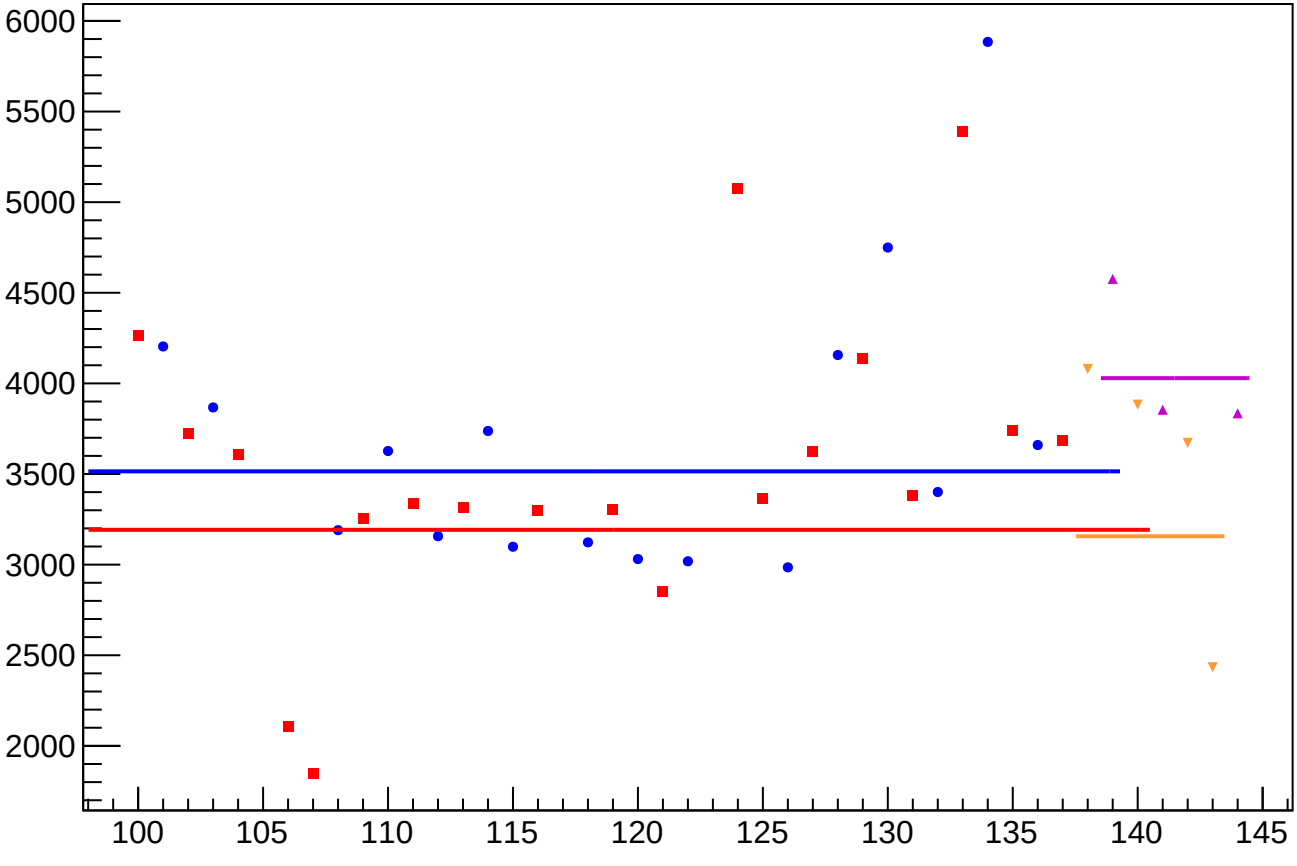
In: 1323.039+/-0.302 χ^2/NDF:527778.7/18

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.3/41


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -2707.656+/-1920.099 χ²/NDF:0.5/3
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -479.573+/-2502.432 χ²/NDF:0.8/2
Left: -1881.995+/-1523.342 χ²/NDF: 1.9/6
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 584.624+/-1172.638 χ²/NDF:15.2/18
Out: -745.662+/-1017.622 χ²/NDF:18.8/22
All: -174.201+/-768.572 χ²/NDF: 34.8/41

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: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4028.899+/-1.769 χ^2/NDF:32241.1/2

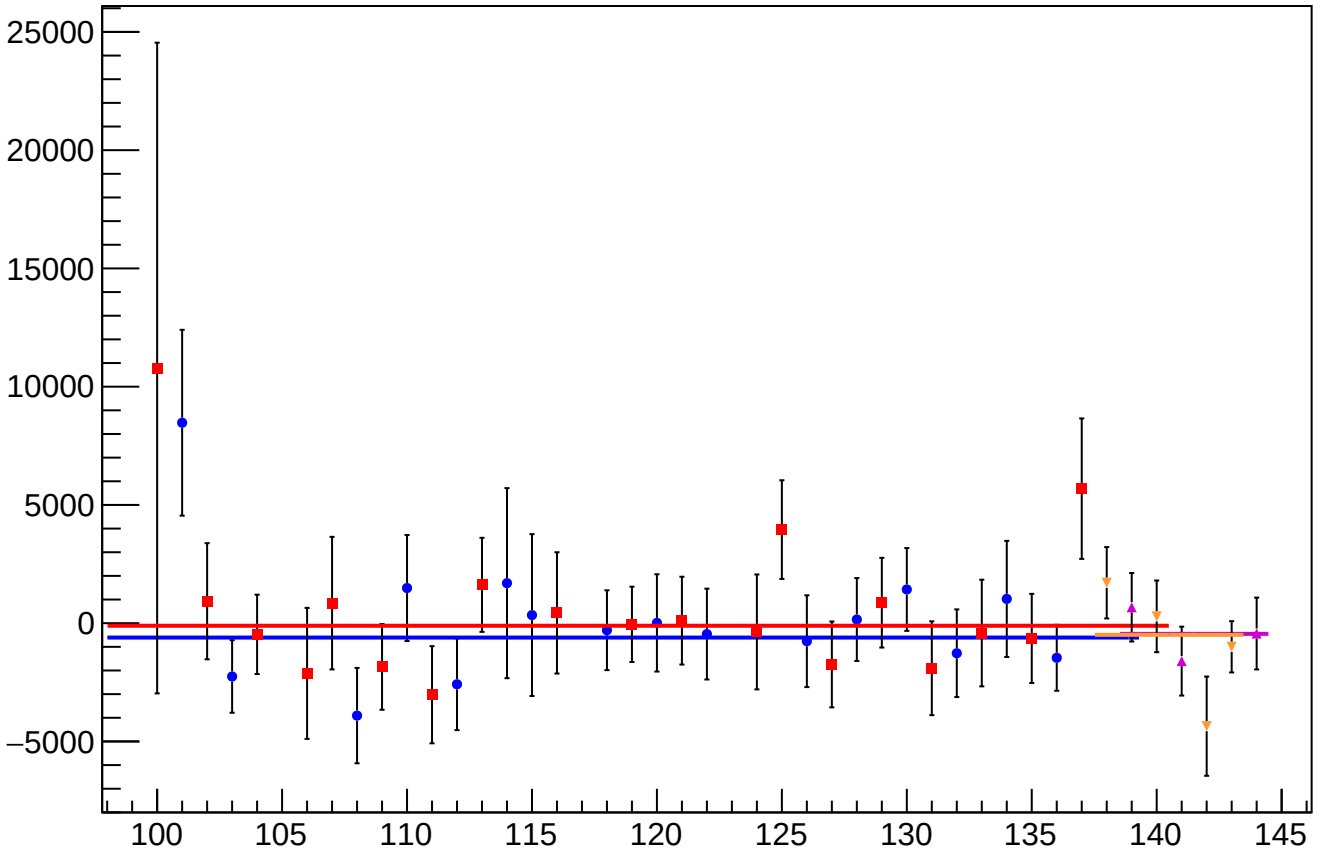
Left: 3479.866+/-1.077 χ^2/NDF: 482574.8/6

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3627.646+/-0.829 χ^2/NDF:473209.3/18

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3373.560+/-0.543 χ^2/NDF: 1708194.7/41



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -451.531+/-850.703 χ^2/NDF:1.2/2

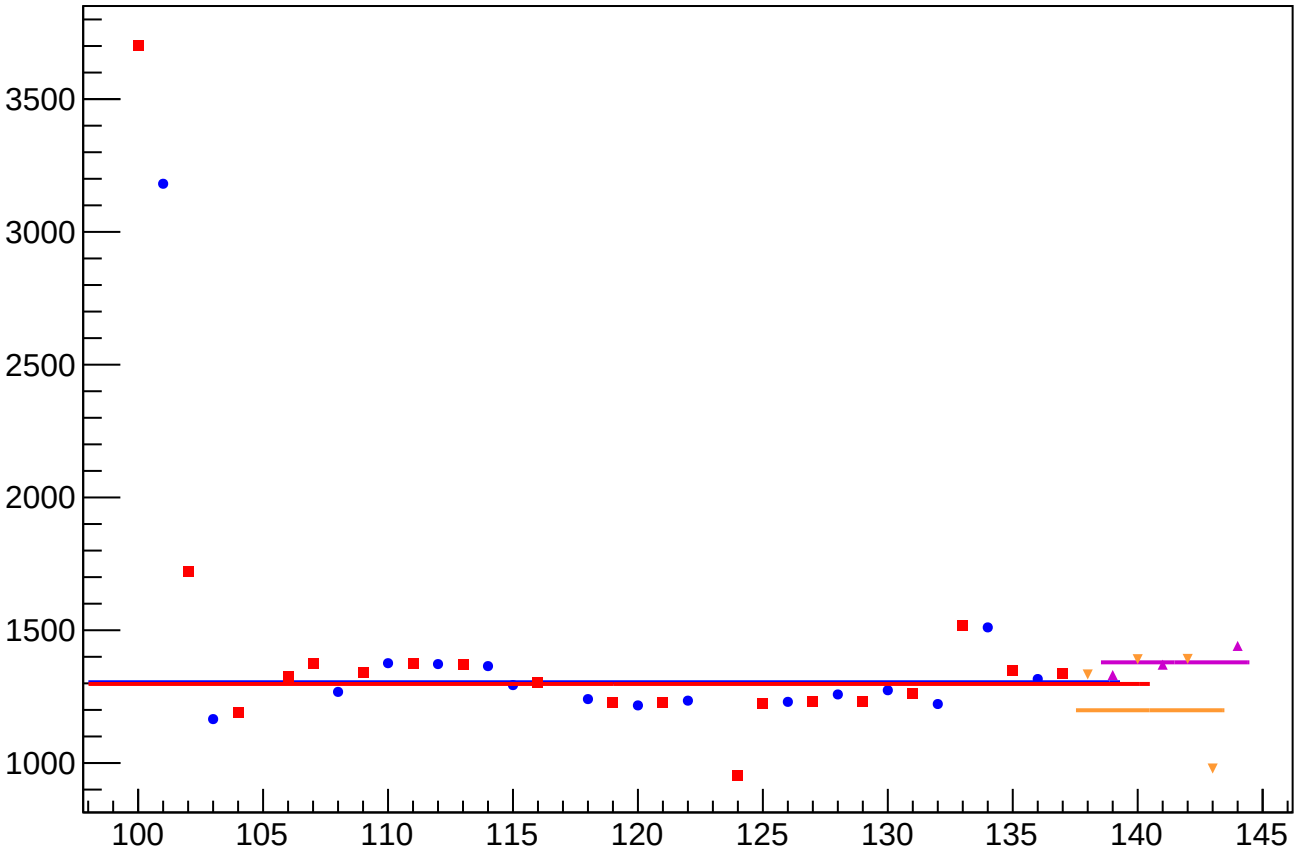
Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -568.397+/-427.314 χ^2/NDF:15.4/18

Out: -229.877+/-401.800 χ^2/NDF:21.1/22

All: -388.730+/-292.720 χ^2/NDF: 36.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

Left: 1273.469+/-0.387 χ^2/NDF: 205322.0/6

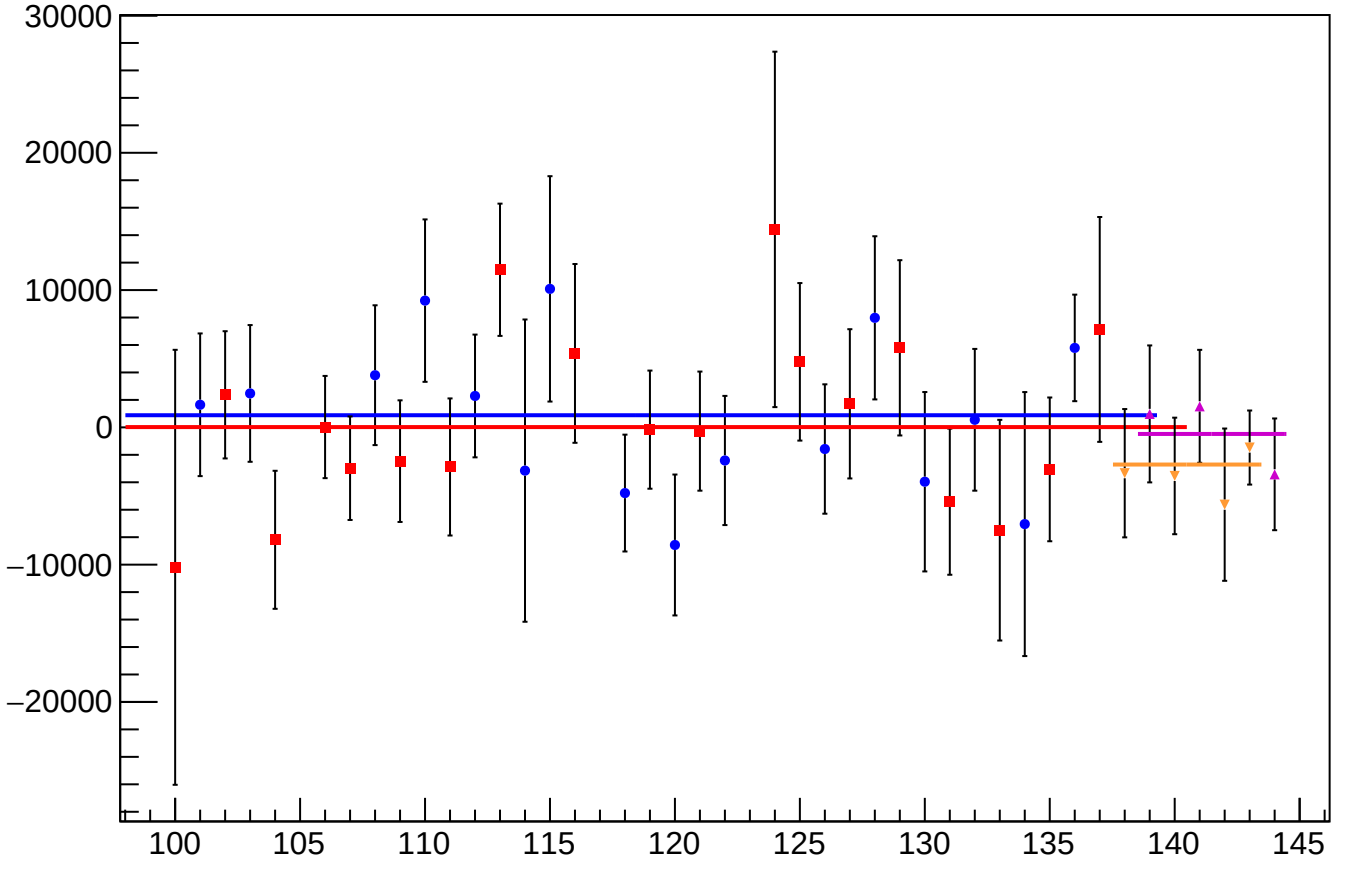
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1323.040+/-0.302 χ^2/NDF:527779.3/18

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.2/41

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: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -479.569+/-2502.436 χ^2/NDF:0.8/2

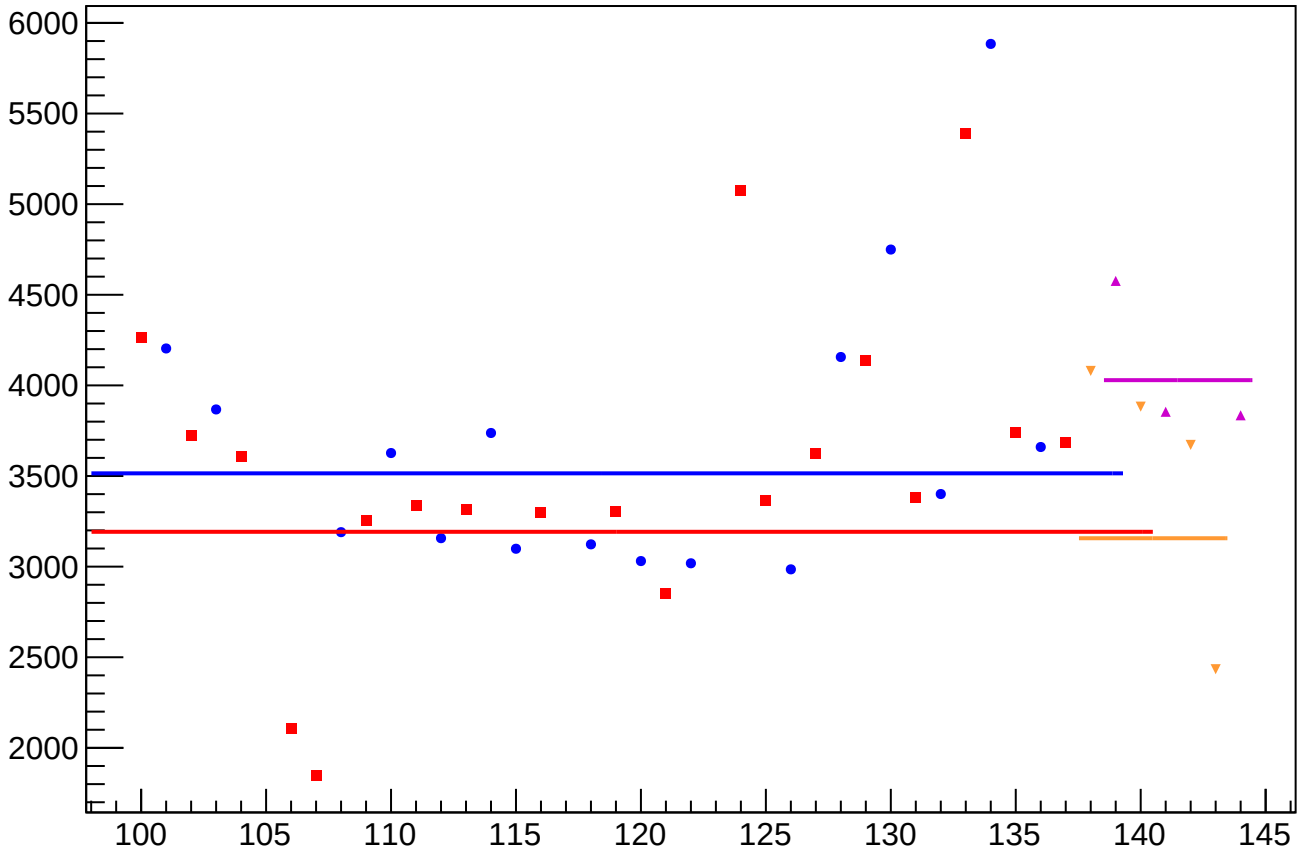
Left: -1881.995+/-1523.344 χ^2/NDF: 1.9/6

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

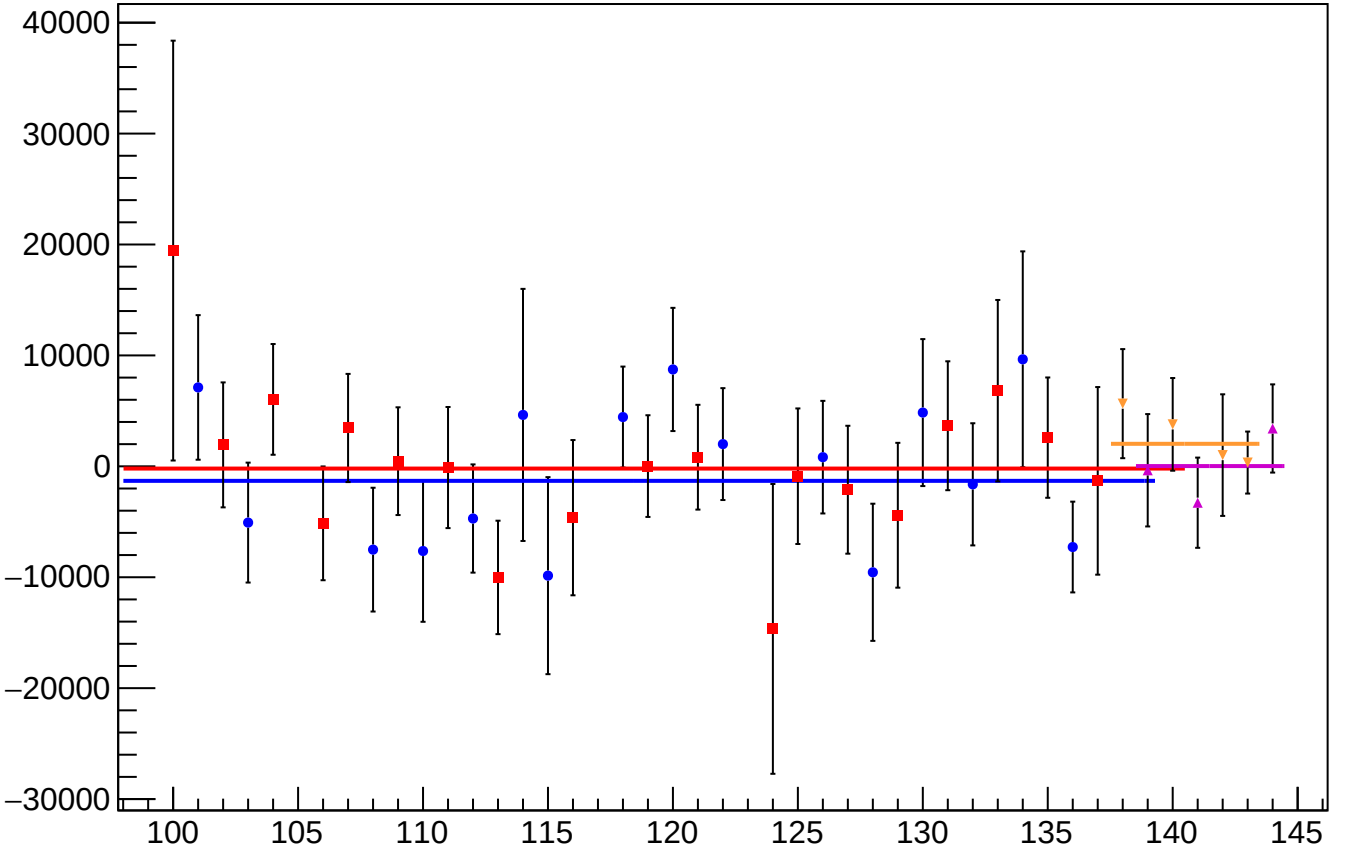
In: 584.619+/-1172.637 χ^2/NDF:15.2/18

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -174.203+/-768.571 χ^2/NDF: 34.8/41


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3156.634+/-1.358 χ²/NDF:297382.2/3
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4028.906+/-1.769 χ²/NDF:32241.7/2
Left: 3479.872+/-1.077 χ²/NDF: 482575.8/6
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3627.640+/-0.829 χ²/NDF:473218.0/18
Out: 3182.207+/-0.720 χ²/NDF:1070373.5/22
All: 3373.555+/-0.543 χ²/NDF: 1708204.5/41

asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 22.793+/-2479.396 χ^2/NDF:1.4/2

Left: 1257.170+/-1538.328 χ^2/NDF: 2.9/6

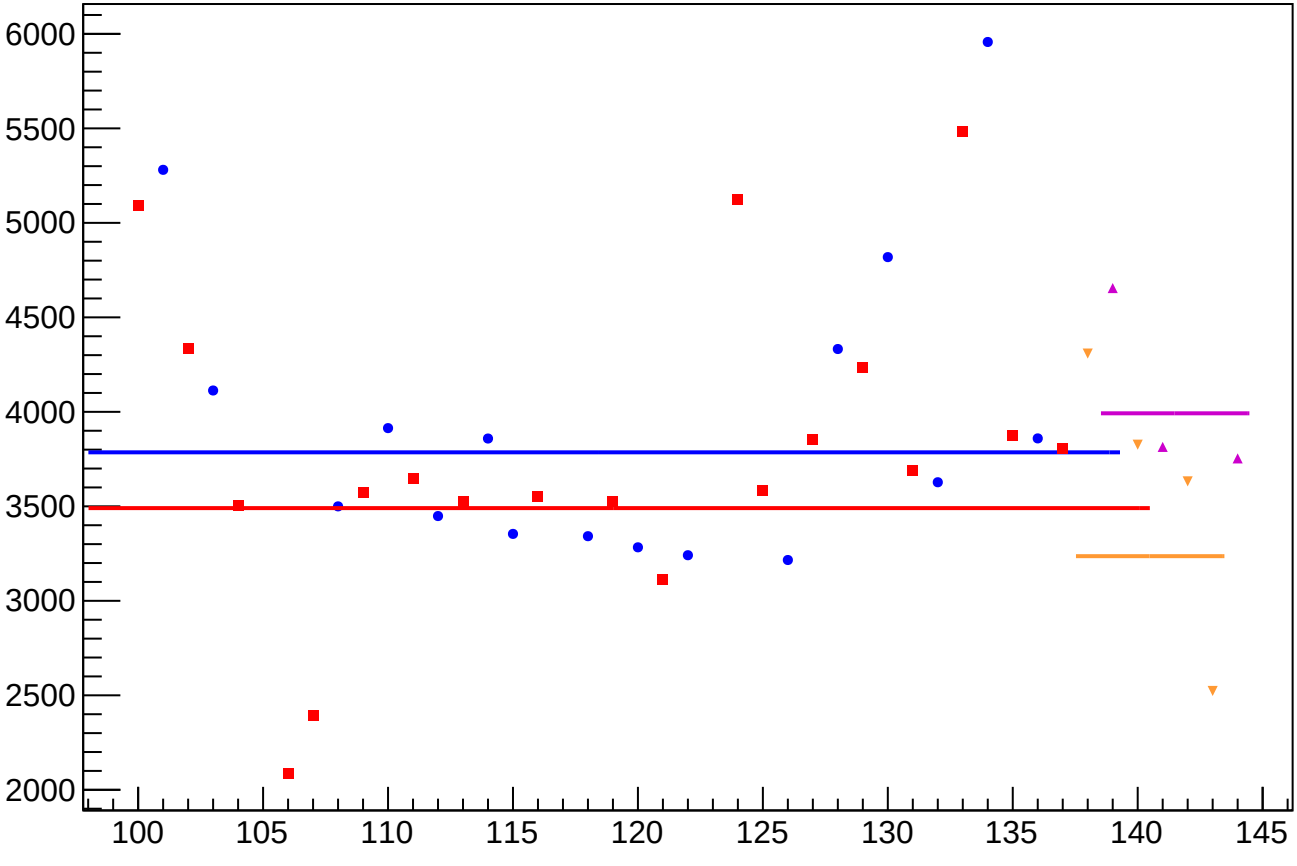
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -976.264+/-1239.792 χ^2/NDF:19.2/18

Out: 505.550+/-1104.243 χ^2/NDF:13.6/22

All: -149.953+/-824.592 χ^2/NDF: 33.6/41

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

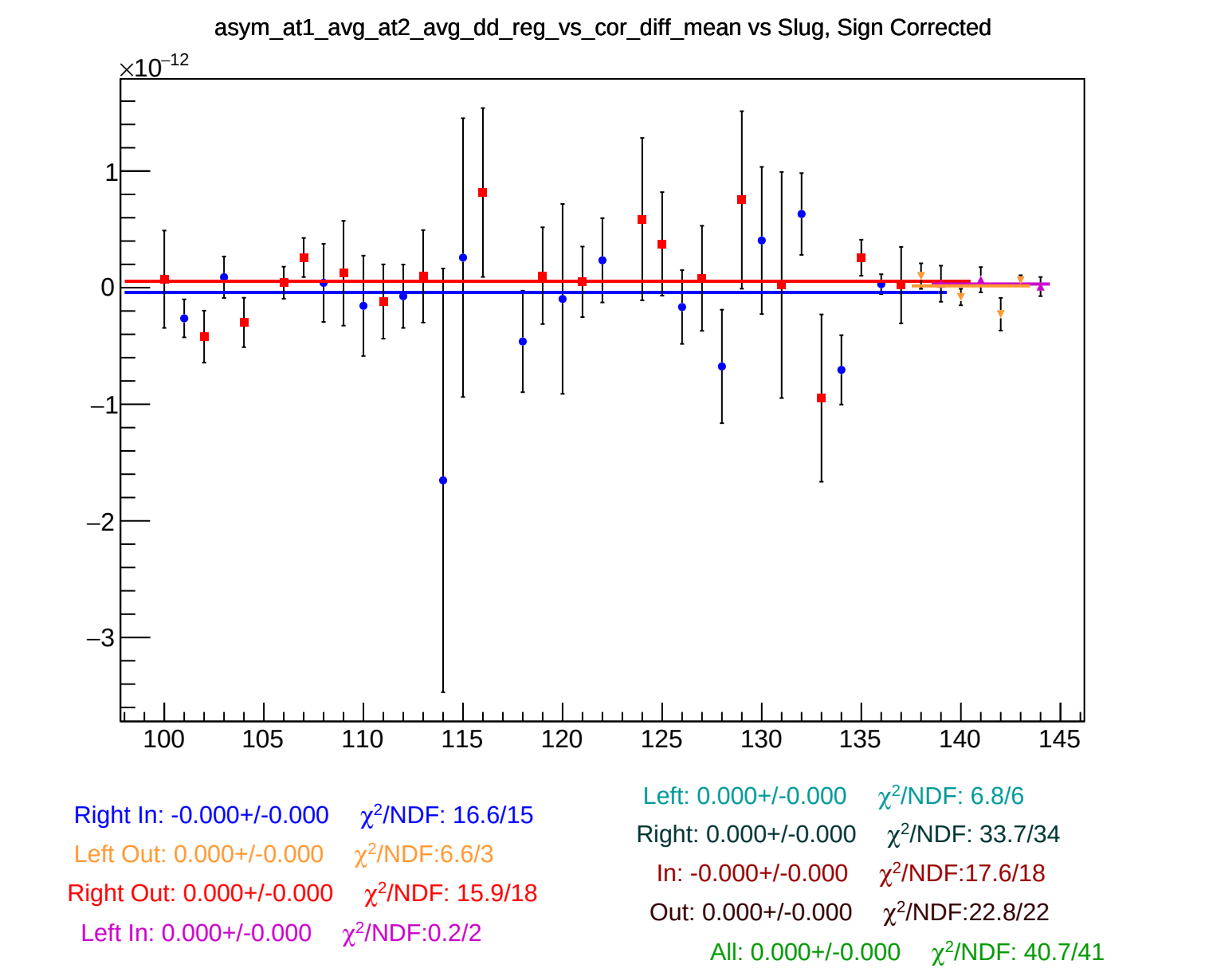
Left: 3527.297+/-1.088 χ^2/NDF: 435186.7/6

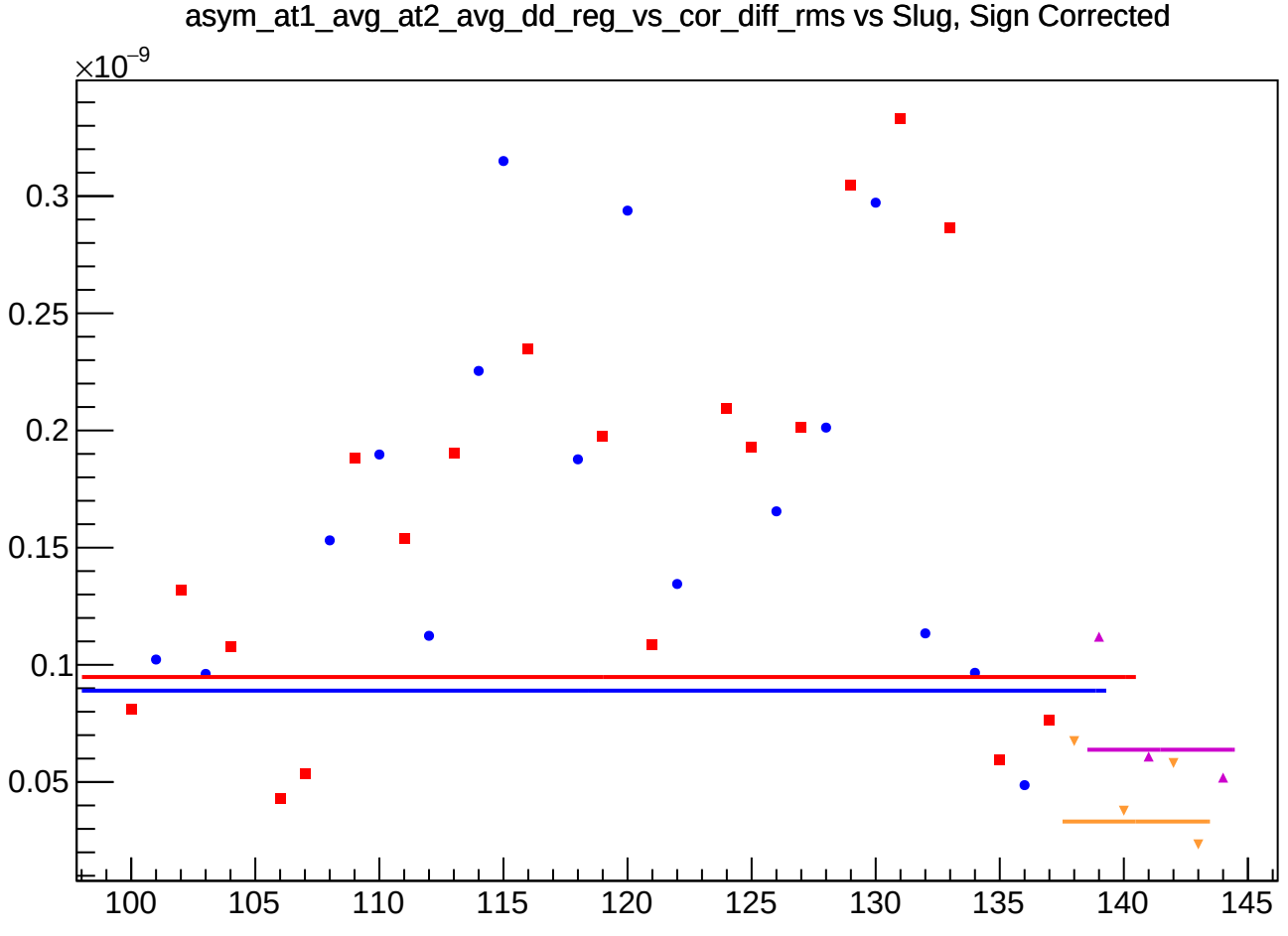
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3837.403+/-0.877 χ^2/NDF:438647.8/18

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3597.939+/-0.580 χ^2/NDF: 1456806.6/41


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.2/2
Left: 0.000+/-0.000 χ²/NDF: 6.8/6
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:17.6/18
Out: 0.000+/-0.000 χ²/NDF:22.8/22
All: 0.000+/-0.000 χ²/NDF: 40.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

Left: 0.000+/-0.000 χ^2/NDF: 995632.5/6

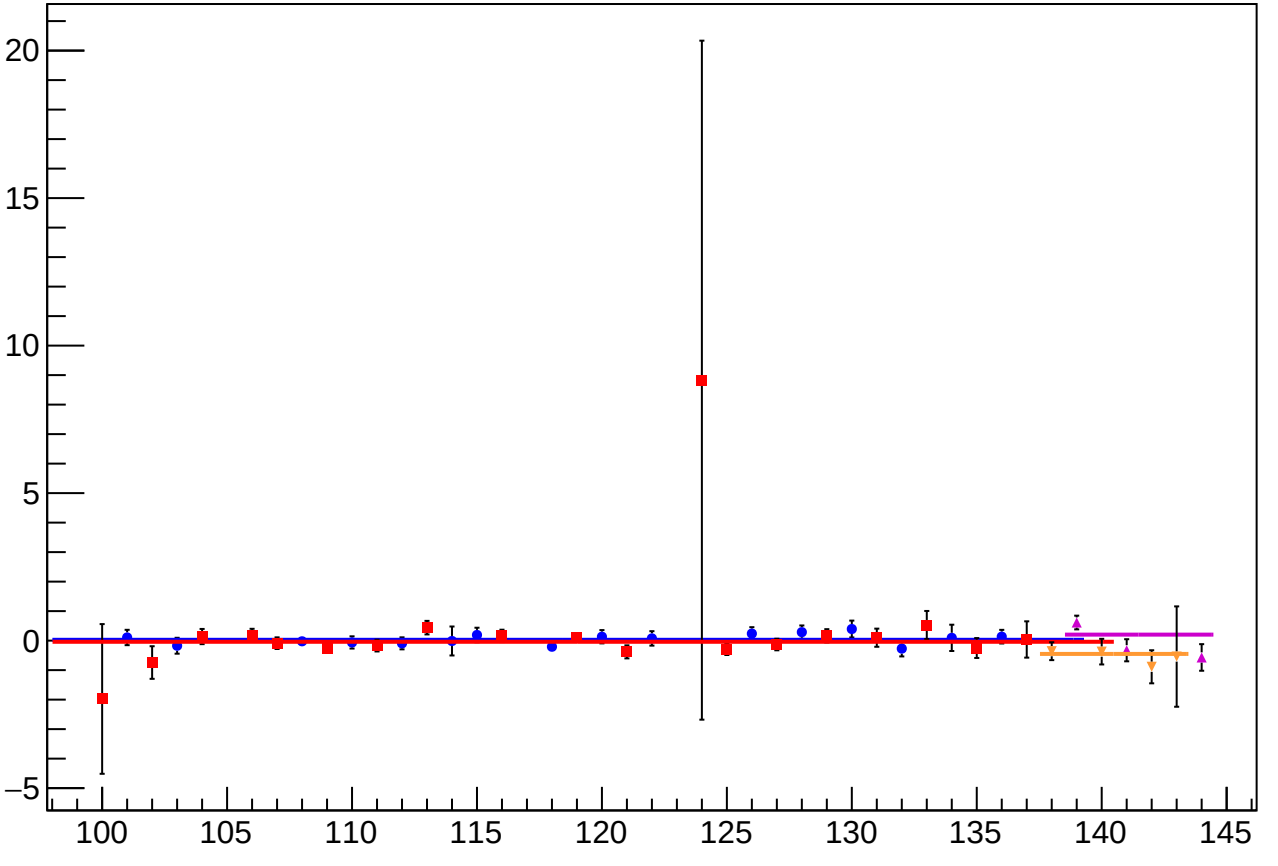
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1877202.9/18

Out: 0.000+/-0.000 χ^2/NDF:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6081130.4/41

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

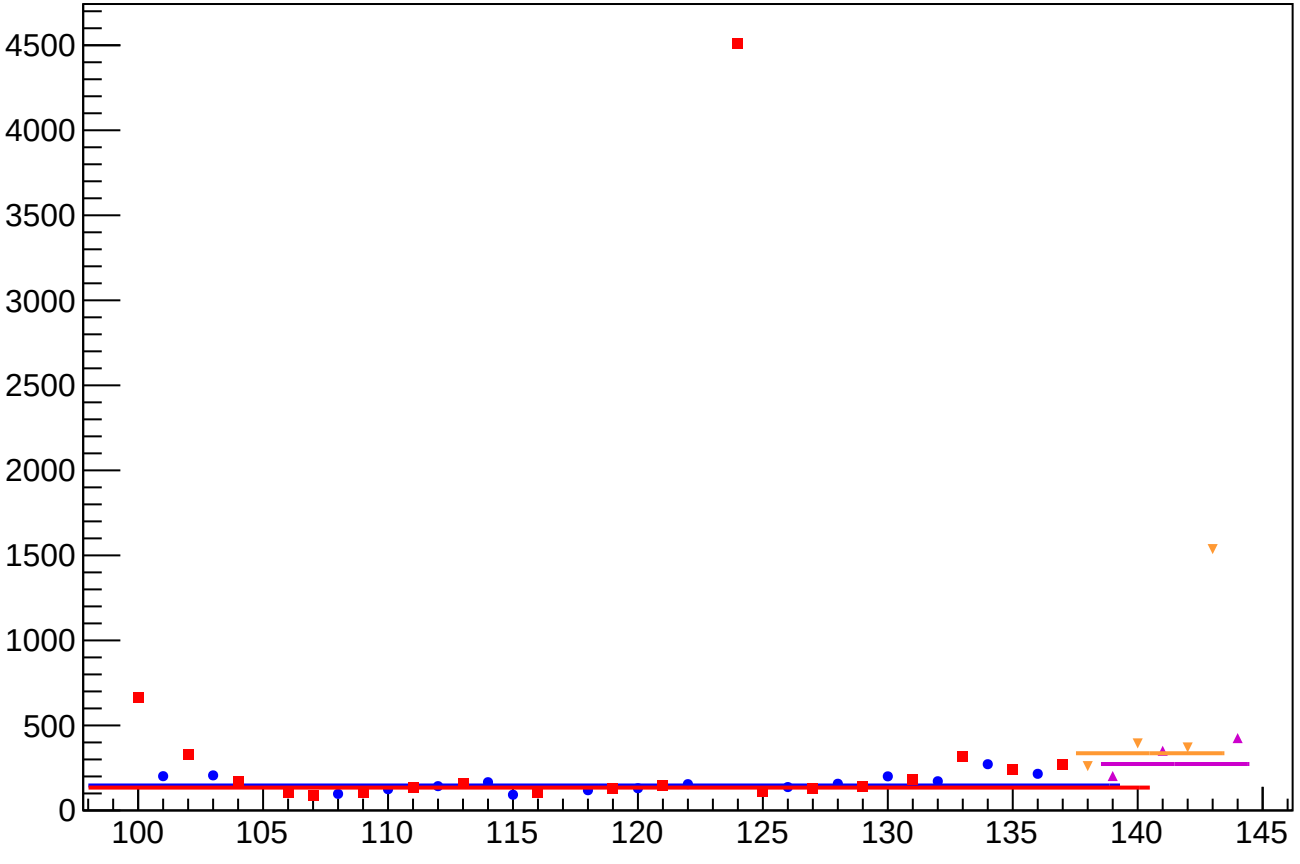
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

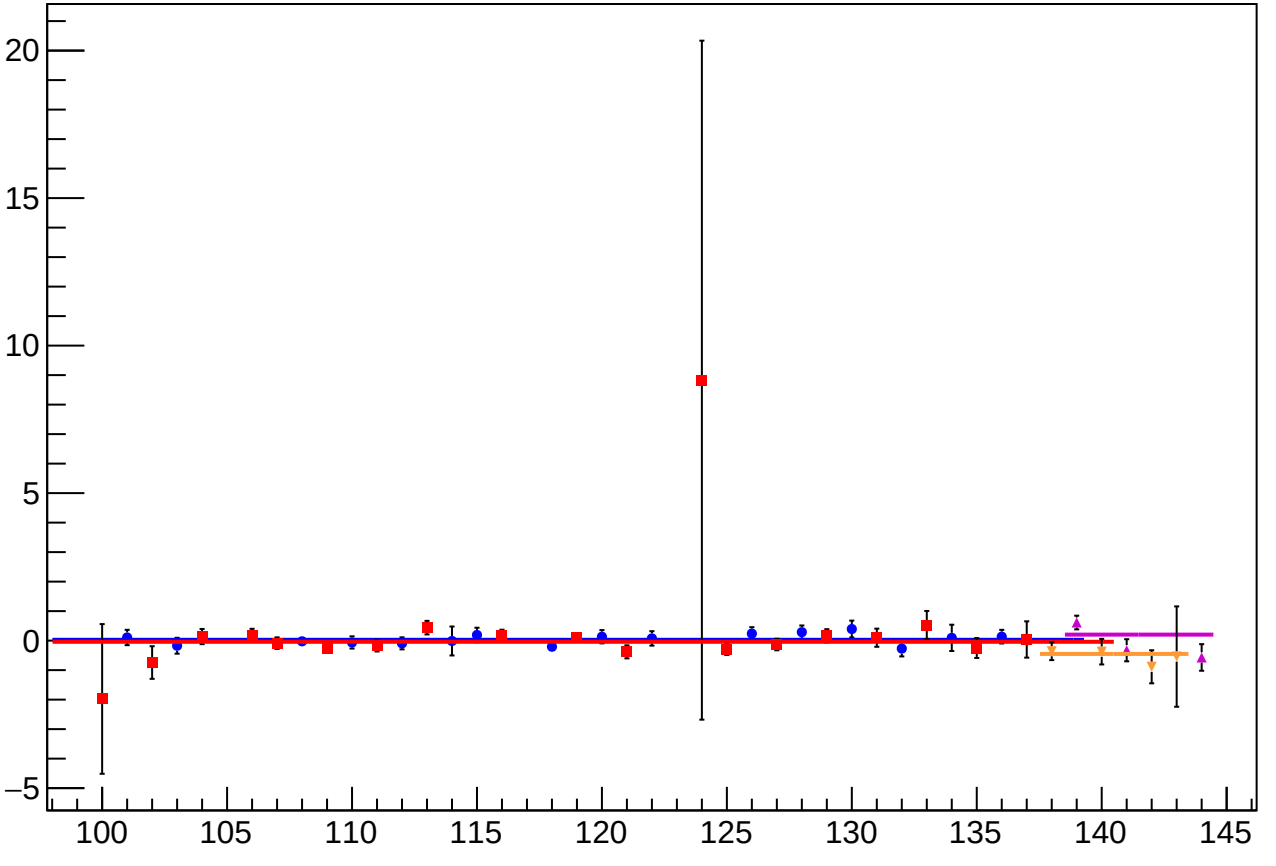
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

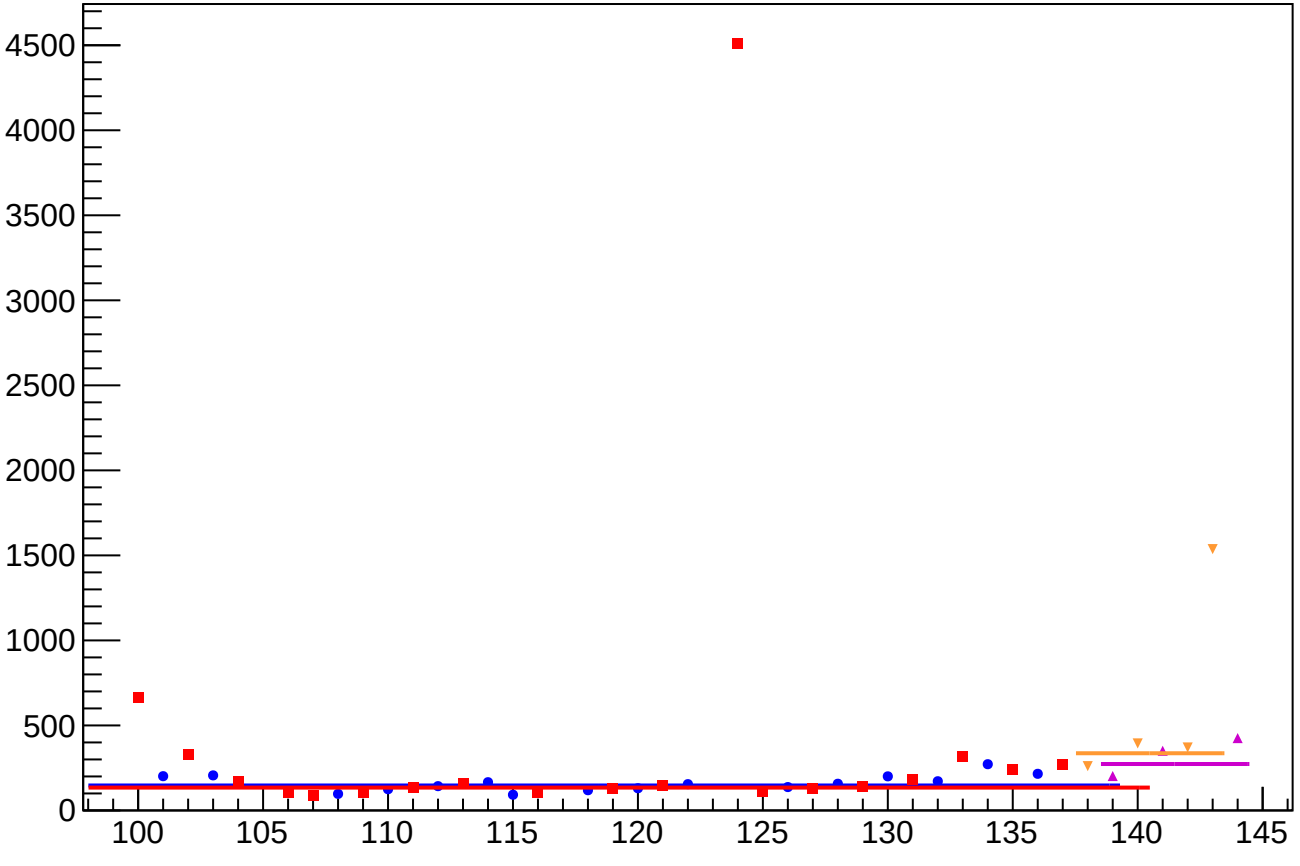
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

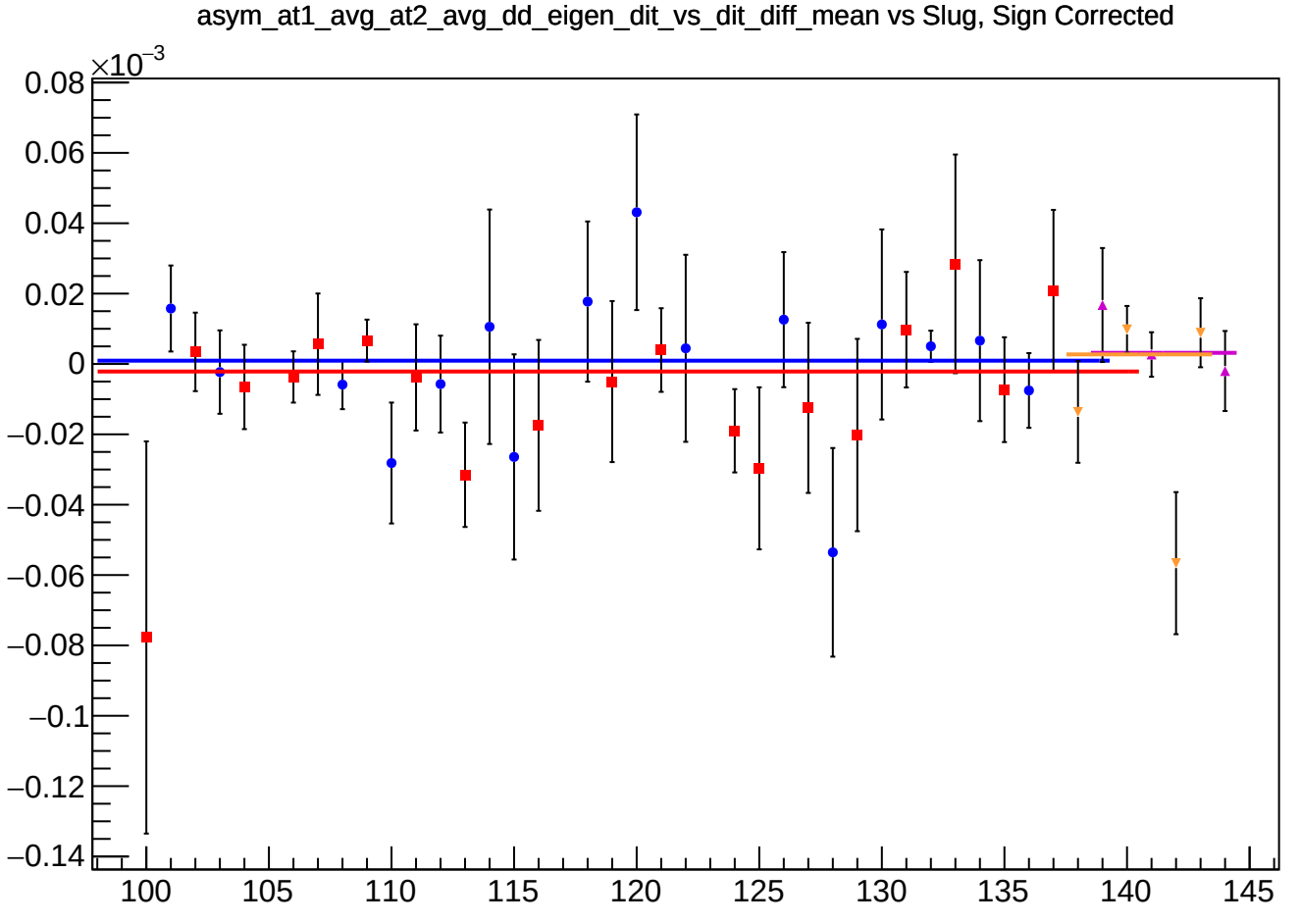
Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

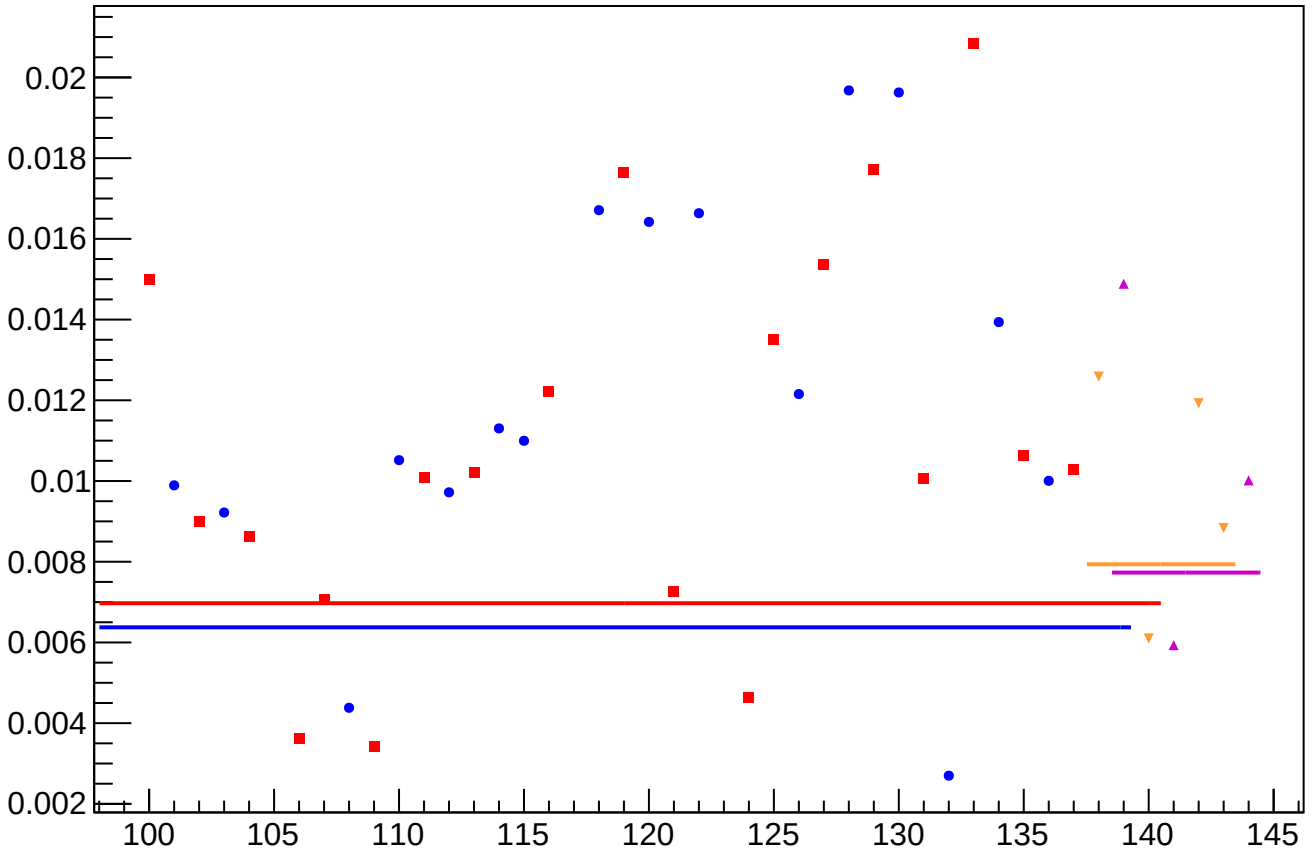
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.9/2
Left: 0.000+/-0.000 χ²/NDF: 12.4/6
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:15.9/18
Out: -0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 44.5/41



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.008+/-0.000 χ^2/NDF:632815.0/2

Left: 0.008+/-0.000 χ^2/NDF: 1088550.1/6

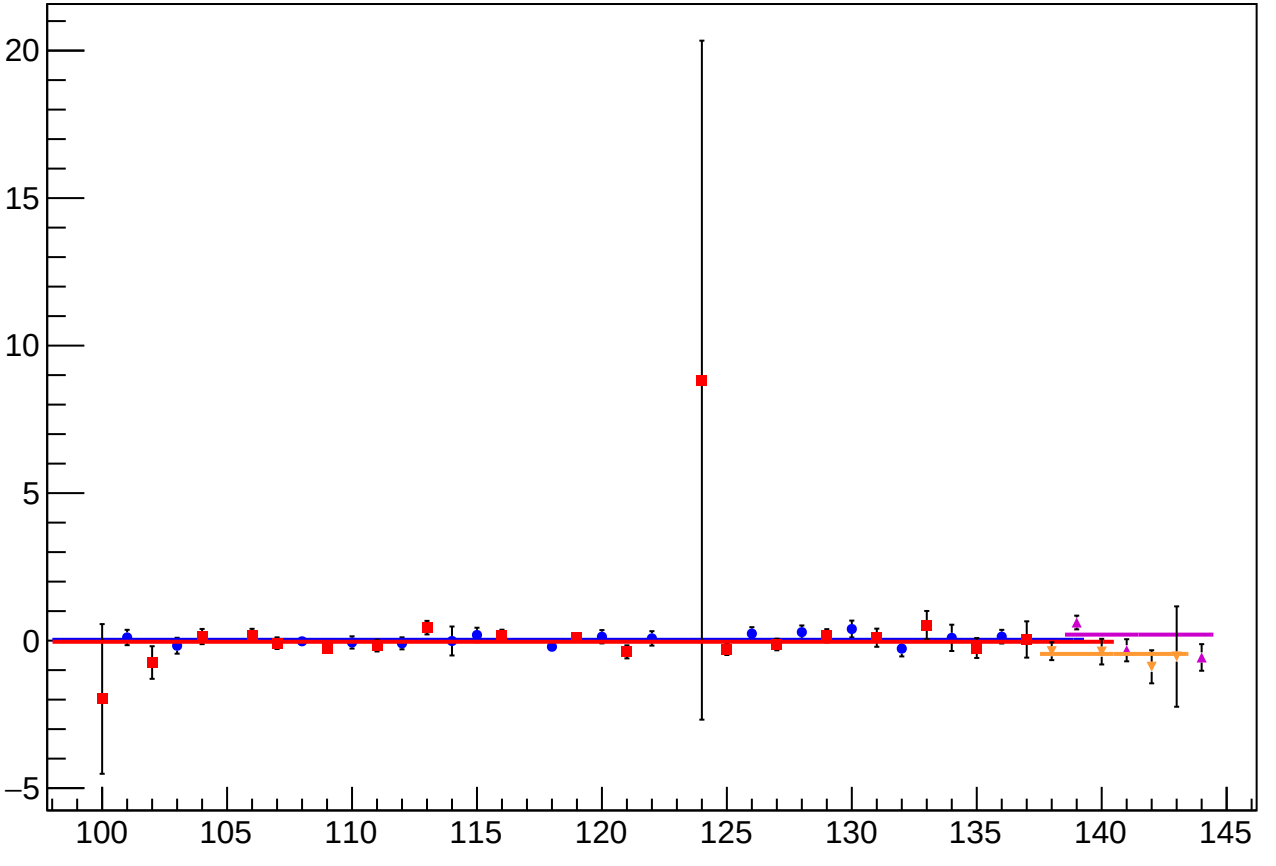
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5375064.1/18

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9336890.3/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

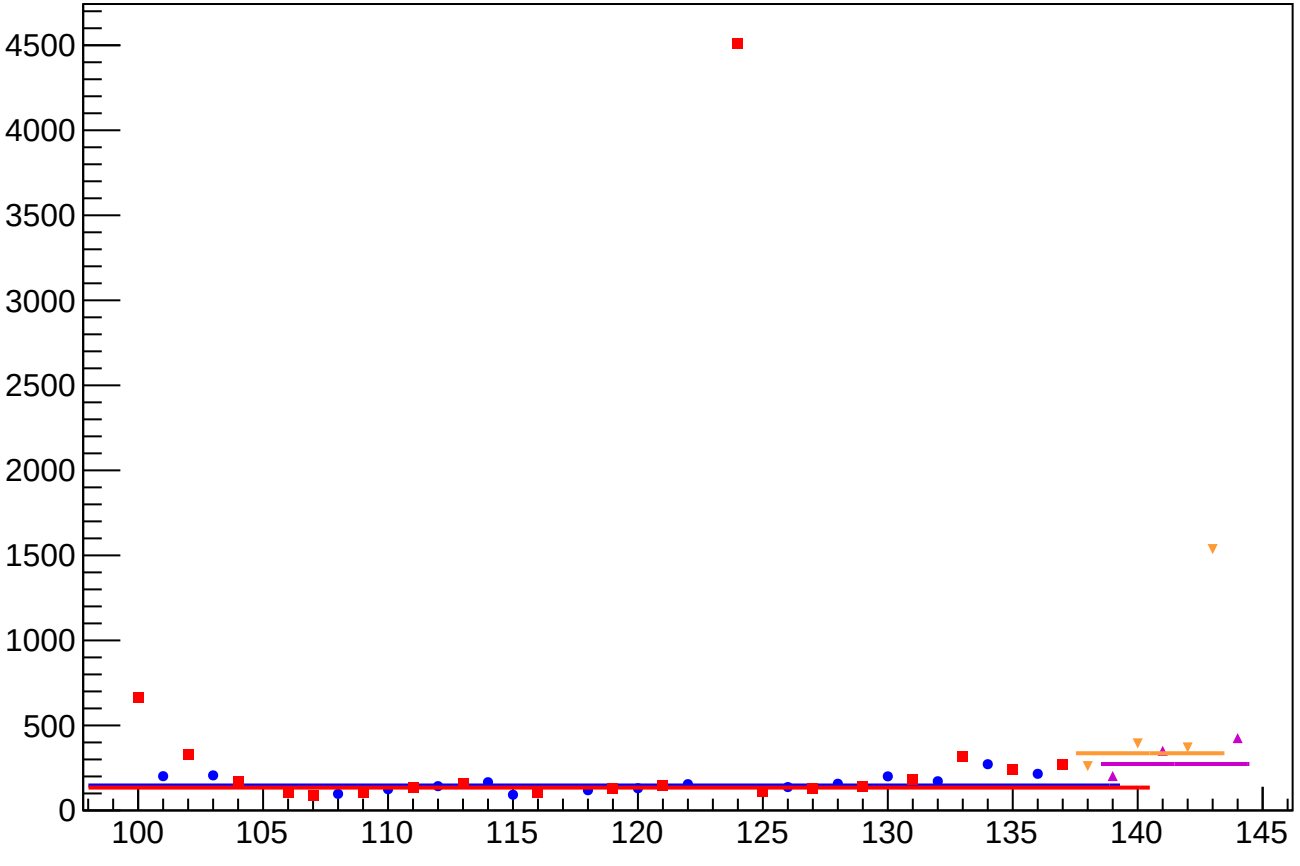
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

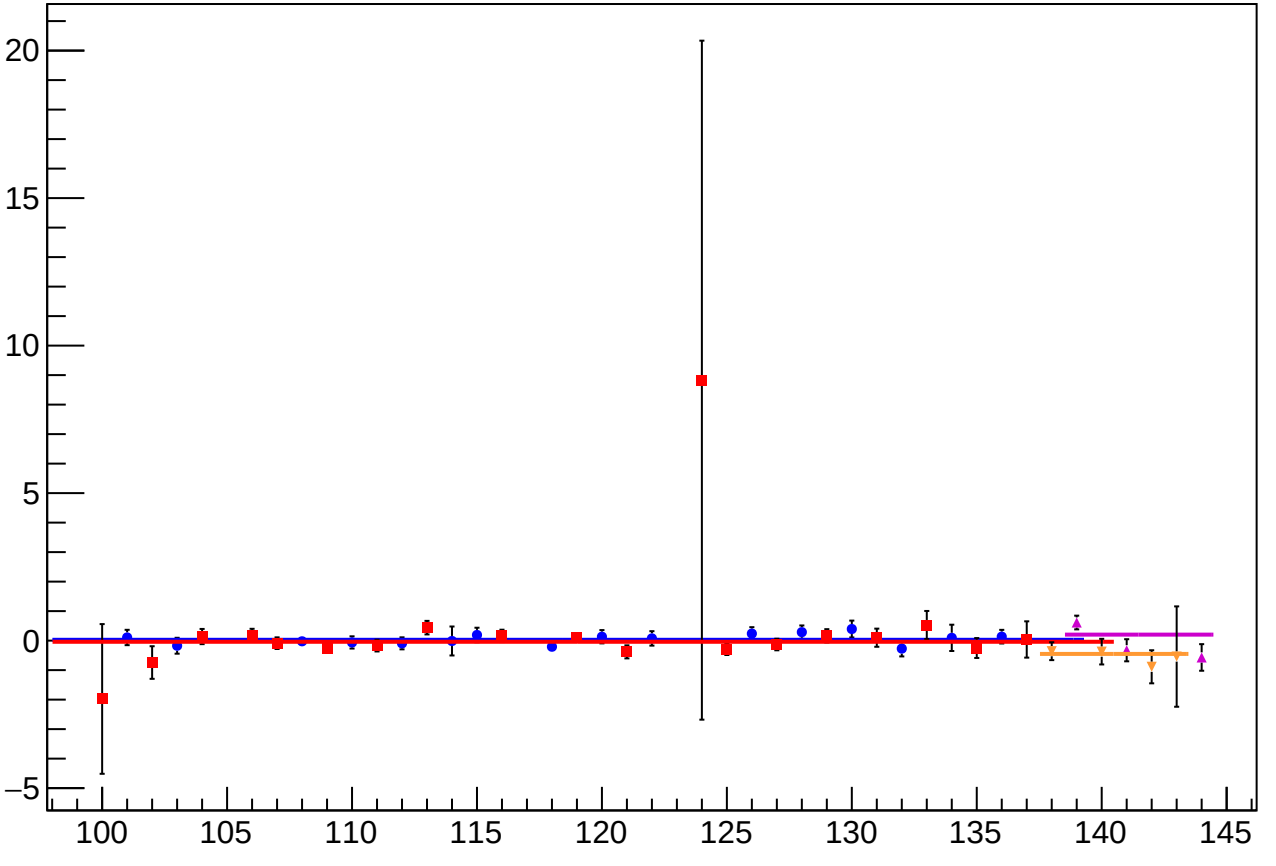
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

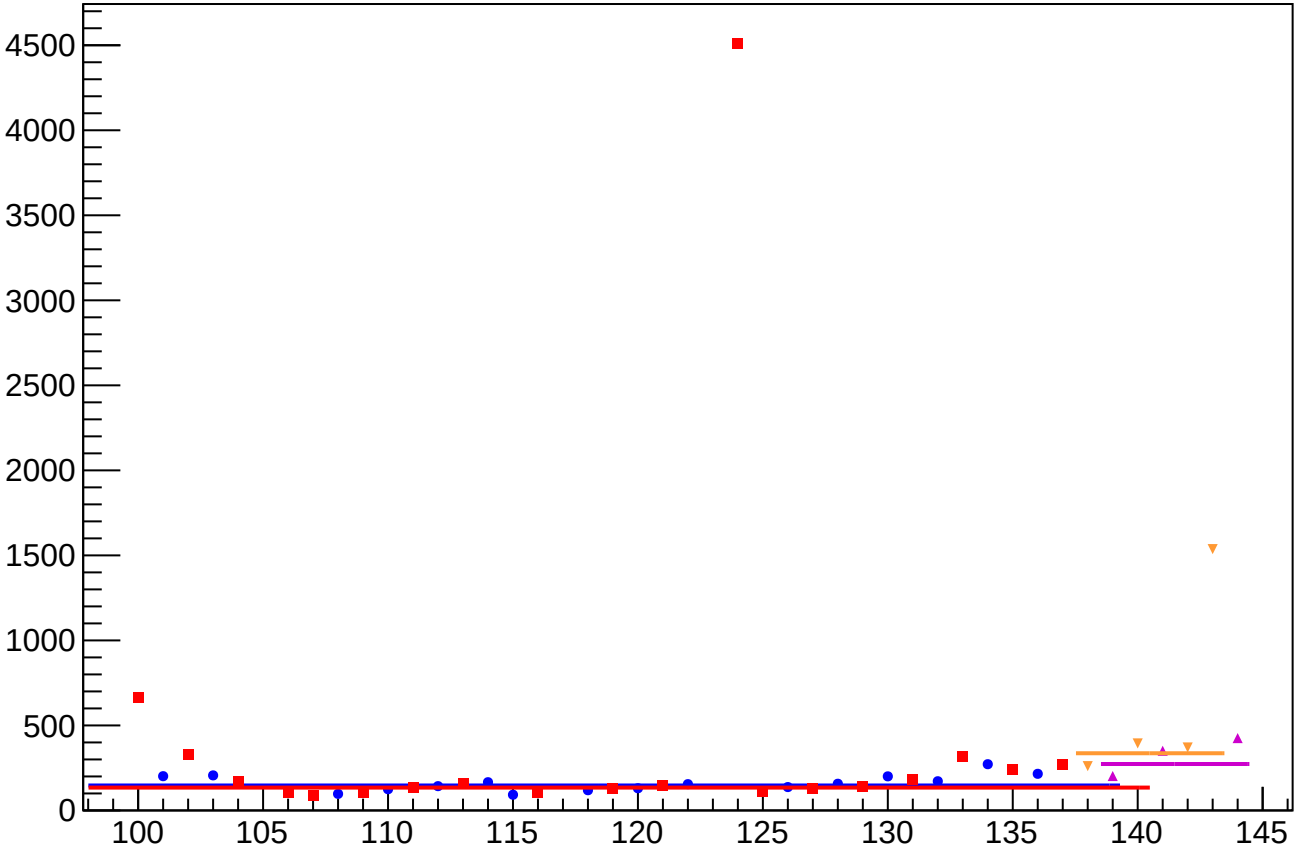
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

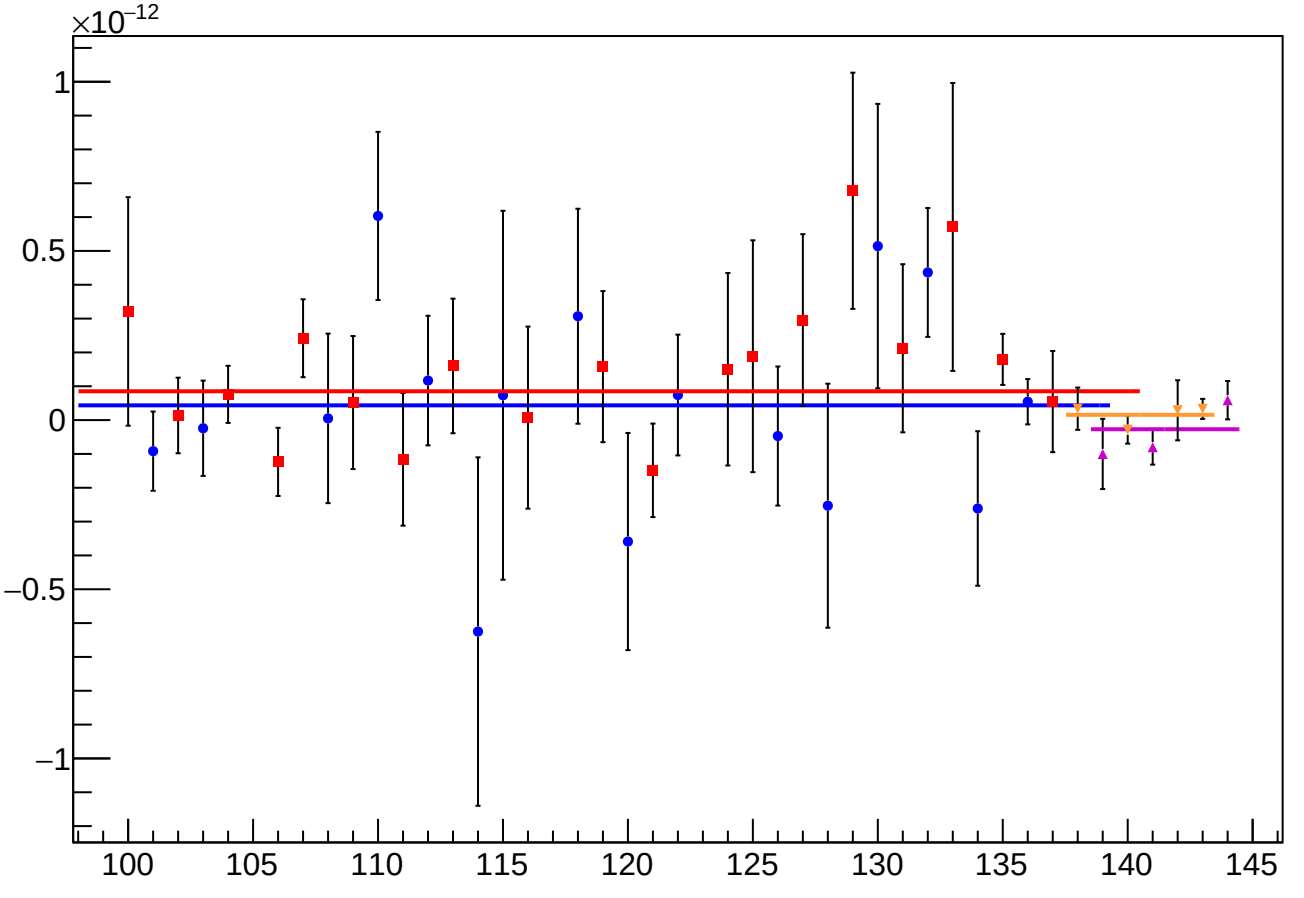
Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

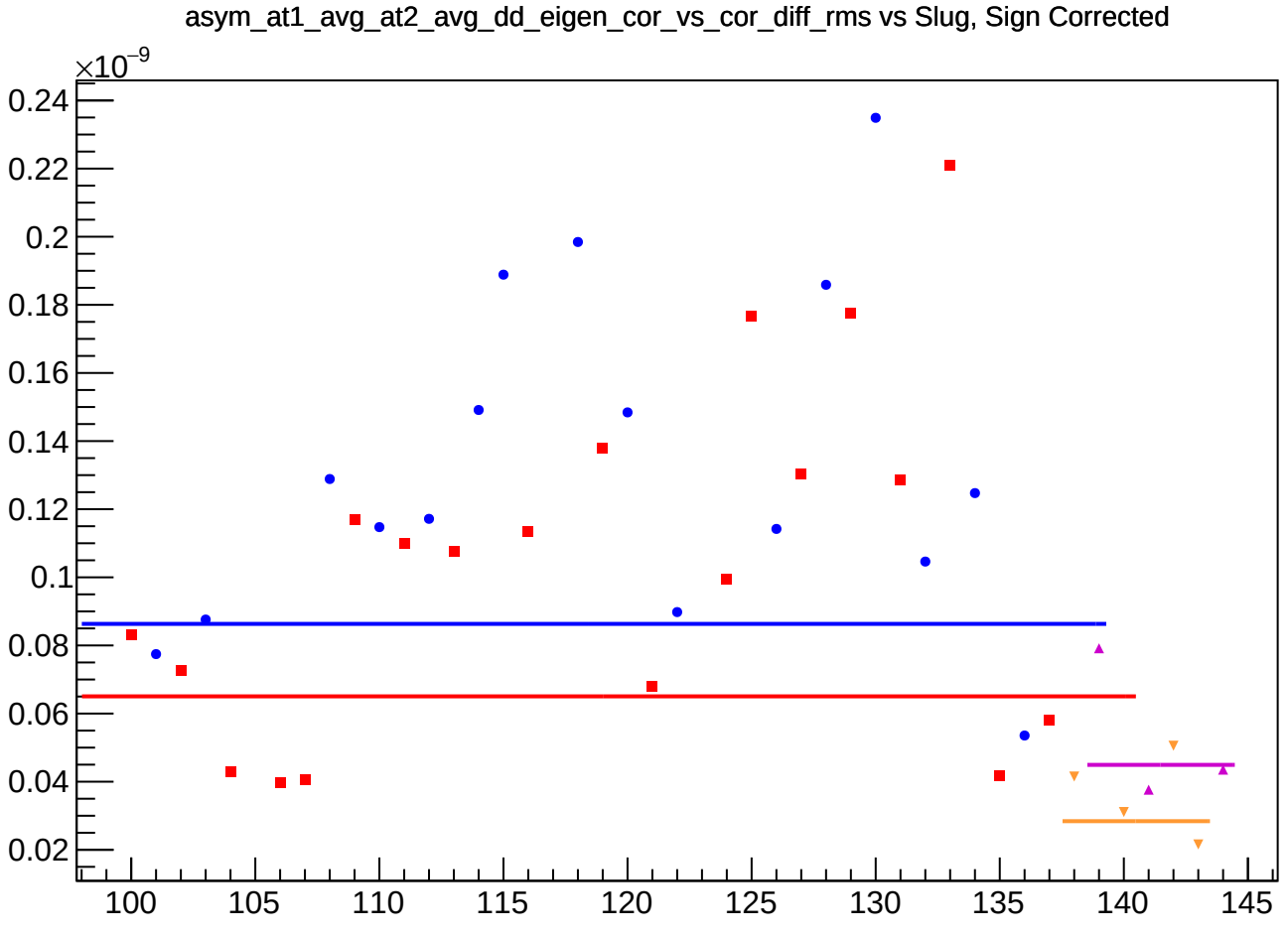
Left: 0.000+/-0.000 χ^2/NDF: 6.5/6

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 48.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:258662.8/2

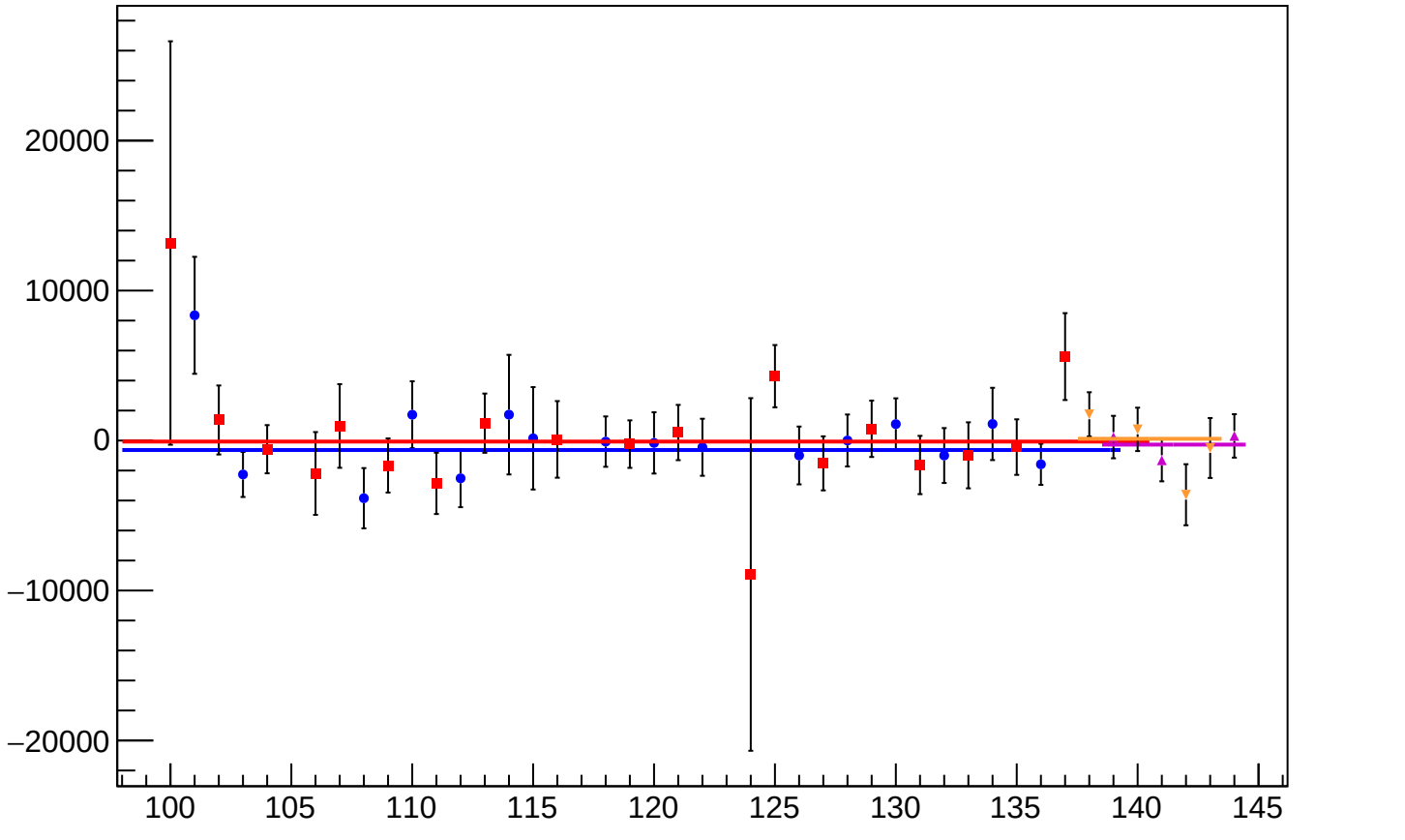
Left: 0.000+/-0.000 χ^2/NDF: 897412.9/6

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2927187.2/18

Out: 0.000+/-0.000 χ^2/NDF:4119634.2/22

All: 0.000+/-0.000 χ^2/NDF: 8023322.1/41



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -269.681+/-821.347 χ^2/NDF:0.8/2

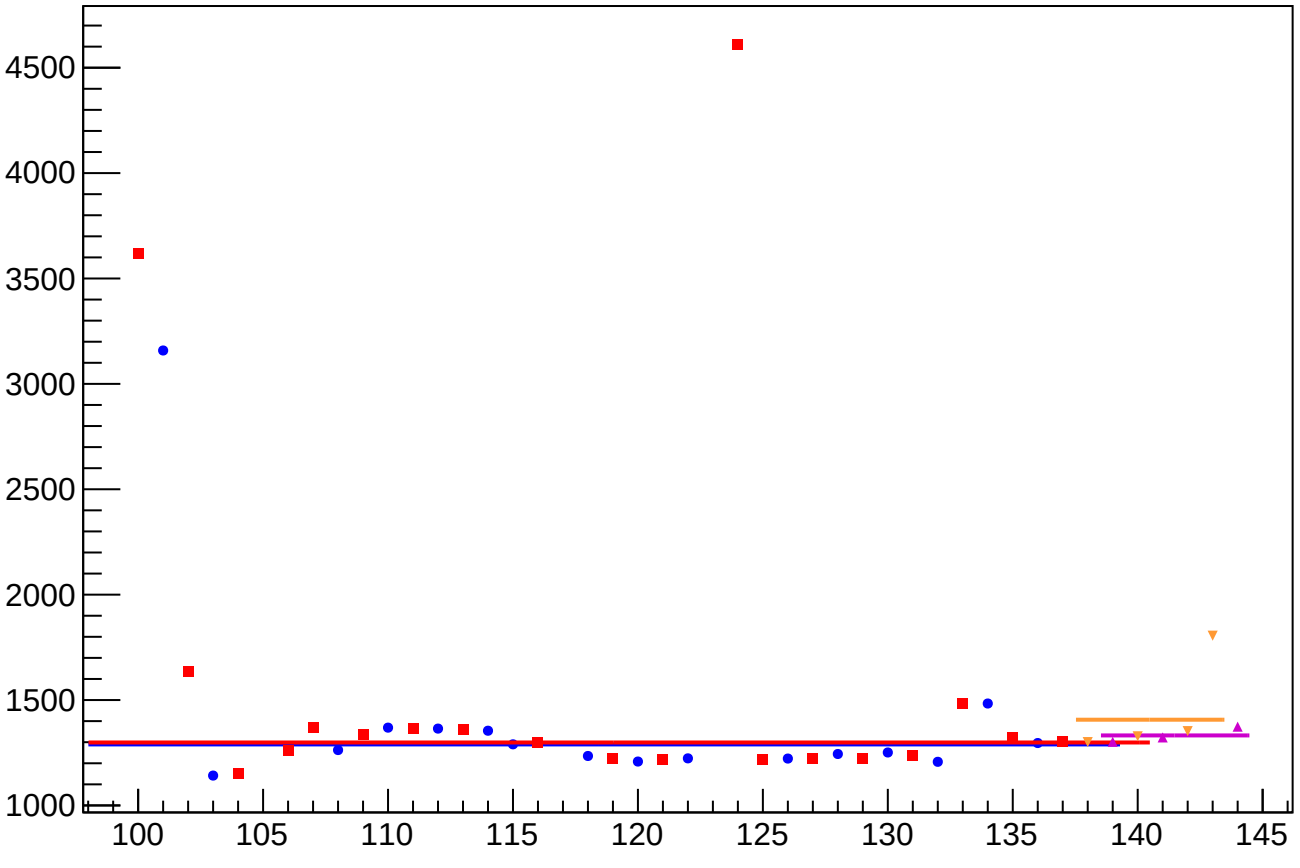
Left: -79.417+/-585.845 χ^2/NDF: 5.8/6

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -536.571+/-419.957 χ^2/NDF:14.9/18

Out: -20.579+/-421.279 χ^2/NDF:20.8/22

All: -279.386+/-297.421 χ^2/NDF: 36.4/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1332.130+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

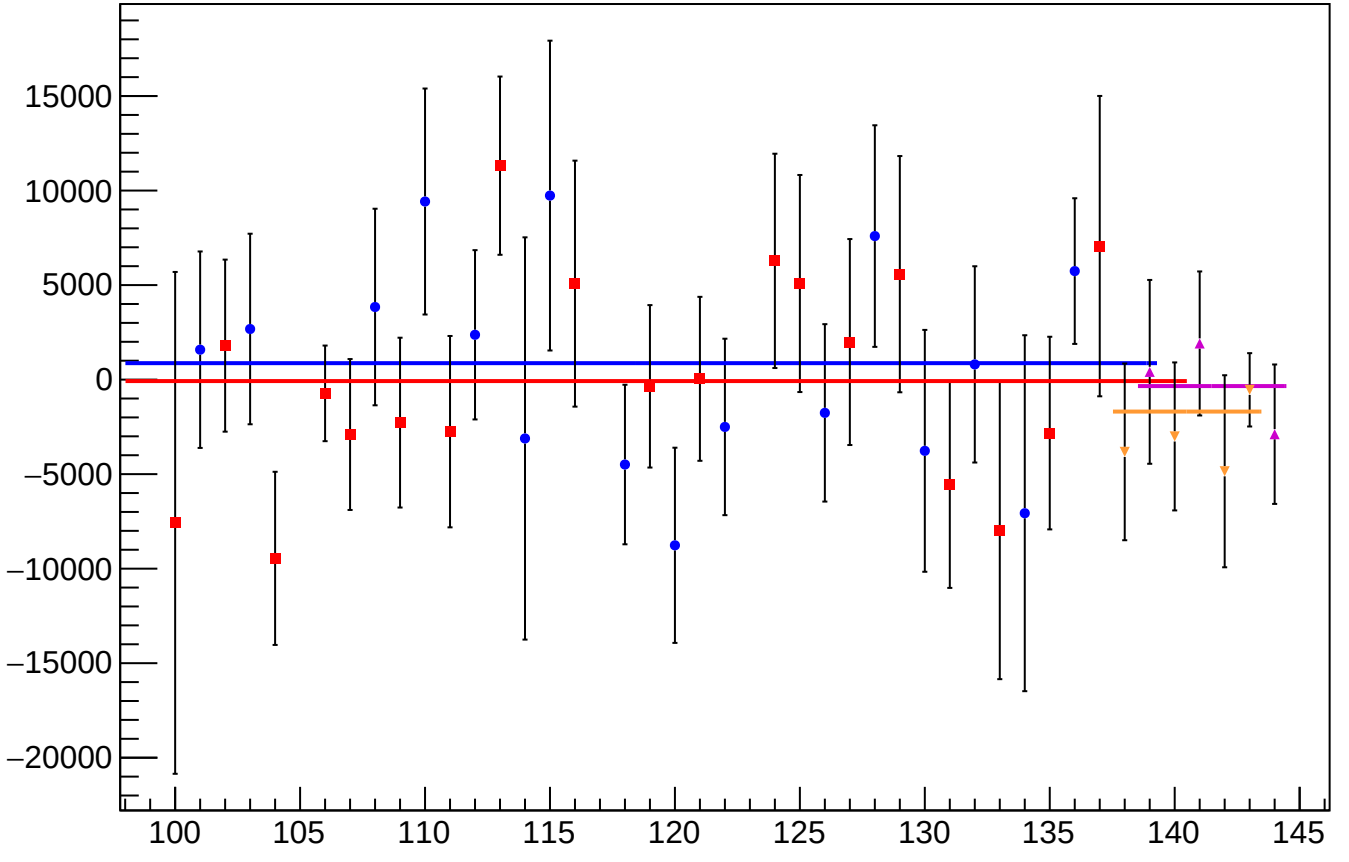
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1300.620+/-0.297 χ^2/NDF:521313.3/18

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1313.292+/-0.210 χ^2/NDF: 966665.7/41

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -341.754+/-2326.506 χ^2/NDF:0.9/2

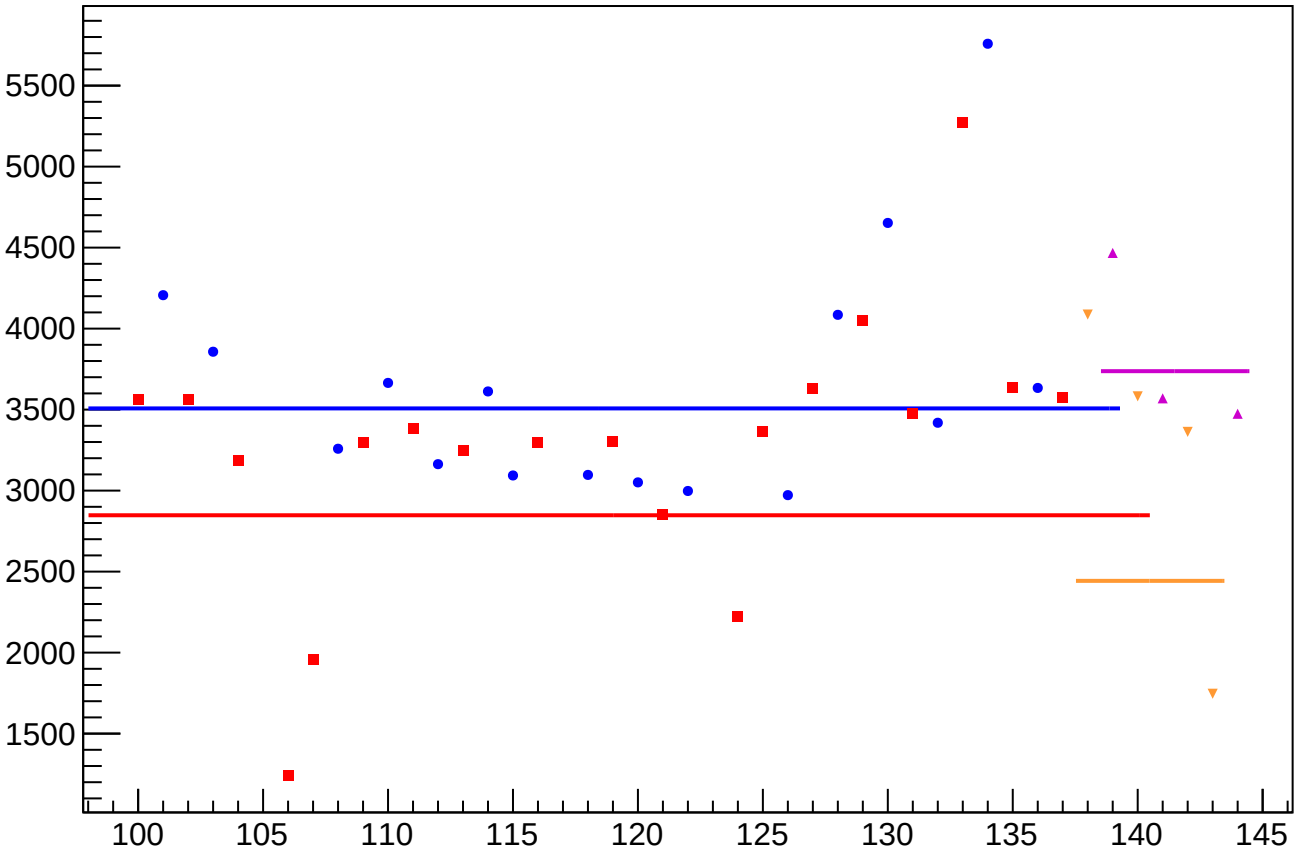
Left: -1275.416+/-1290.599 χ^2/NDF: 2.1/6

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 573.350+/-1151.548 χ^2/NDF:15.1/18

Out: -624.325+/-903.261 χ^2/NDF:20.2/22

All: -168.122+/-710.708 χ^2/NDF: 35.9/41



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3737.276+/-1.645 χ^2/NDF:59109.6/2

Left: 2841.214+/-0.913 χ^2/NDF: 1228139.2/6

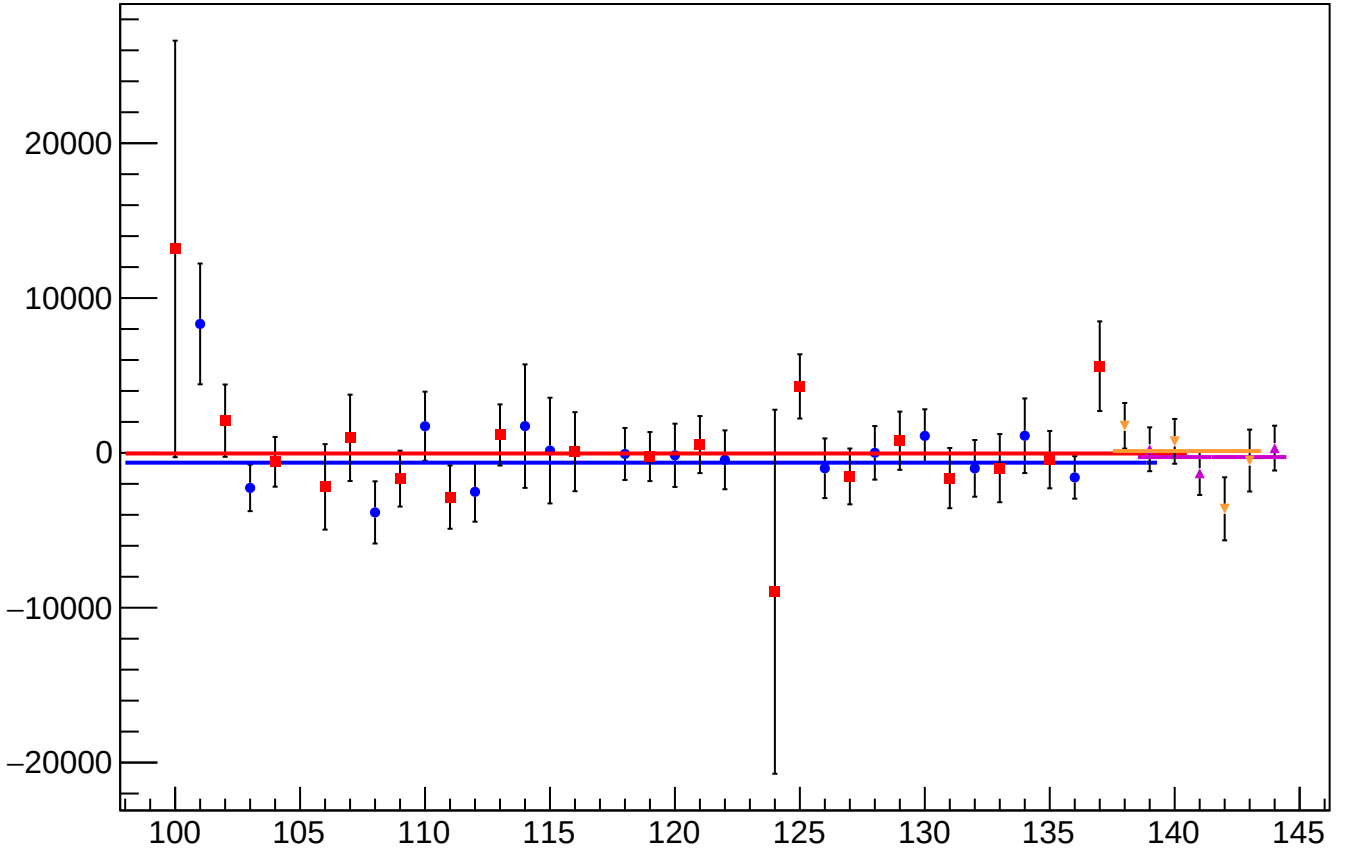
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3563.716+/-0.814 χ^2/NDF:427831.3/18

Out: 2710.519+/-0.639 χ^2/NDF:2329915.8/22

All: 3035.508+/-0.503 χ^2/NDF: 3437451.9/41

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

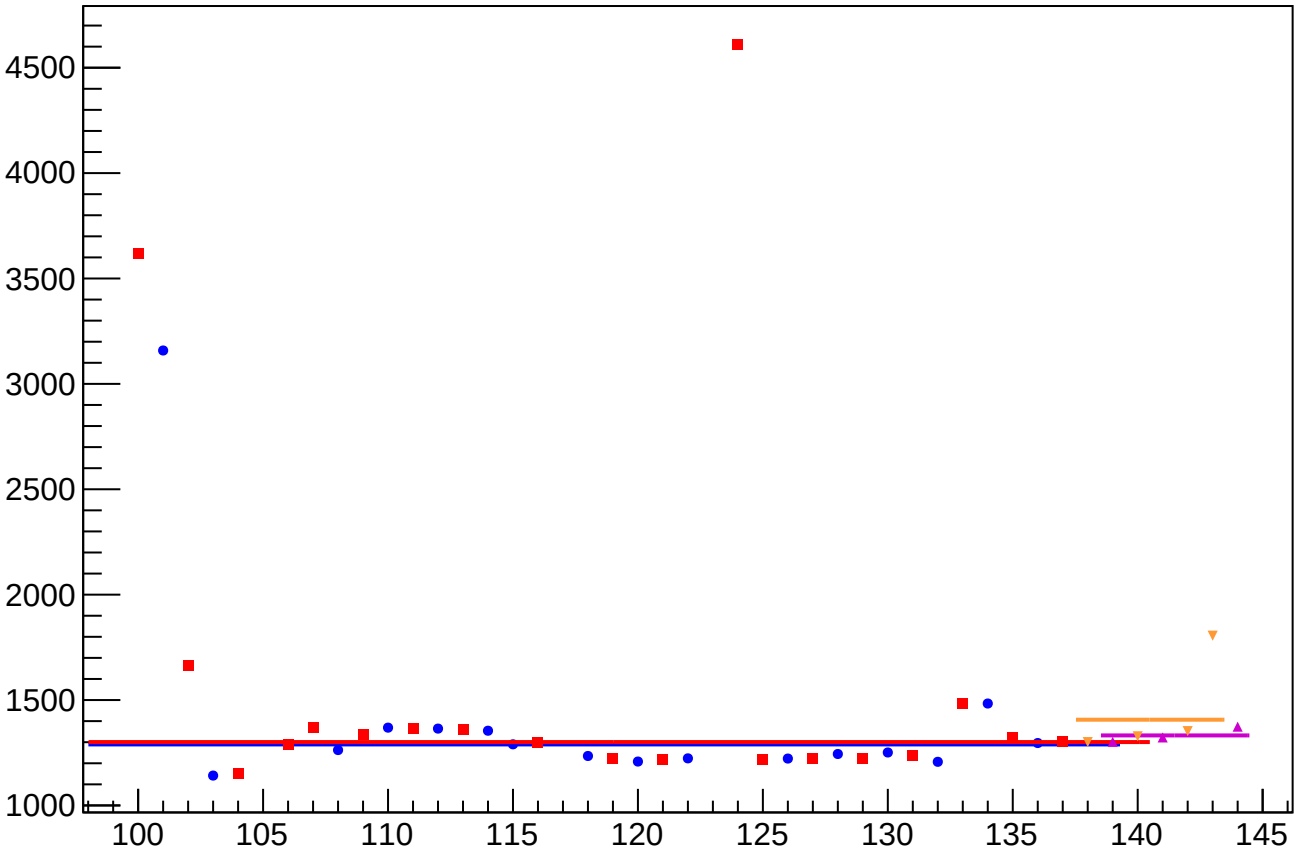
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

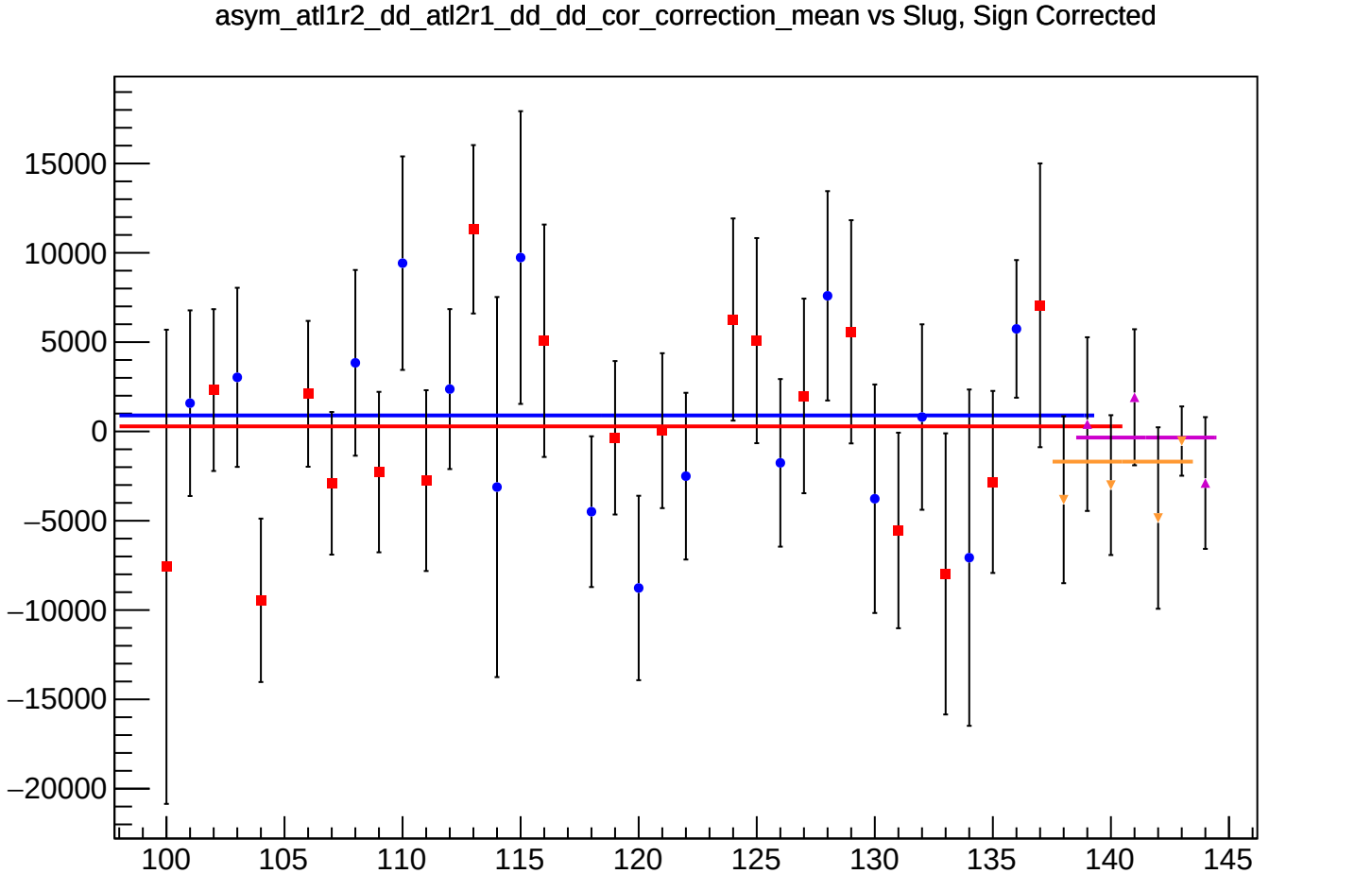
Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

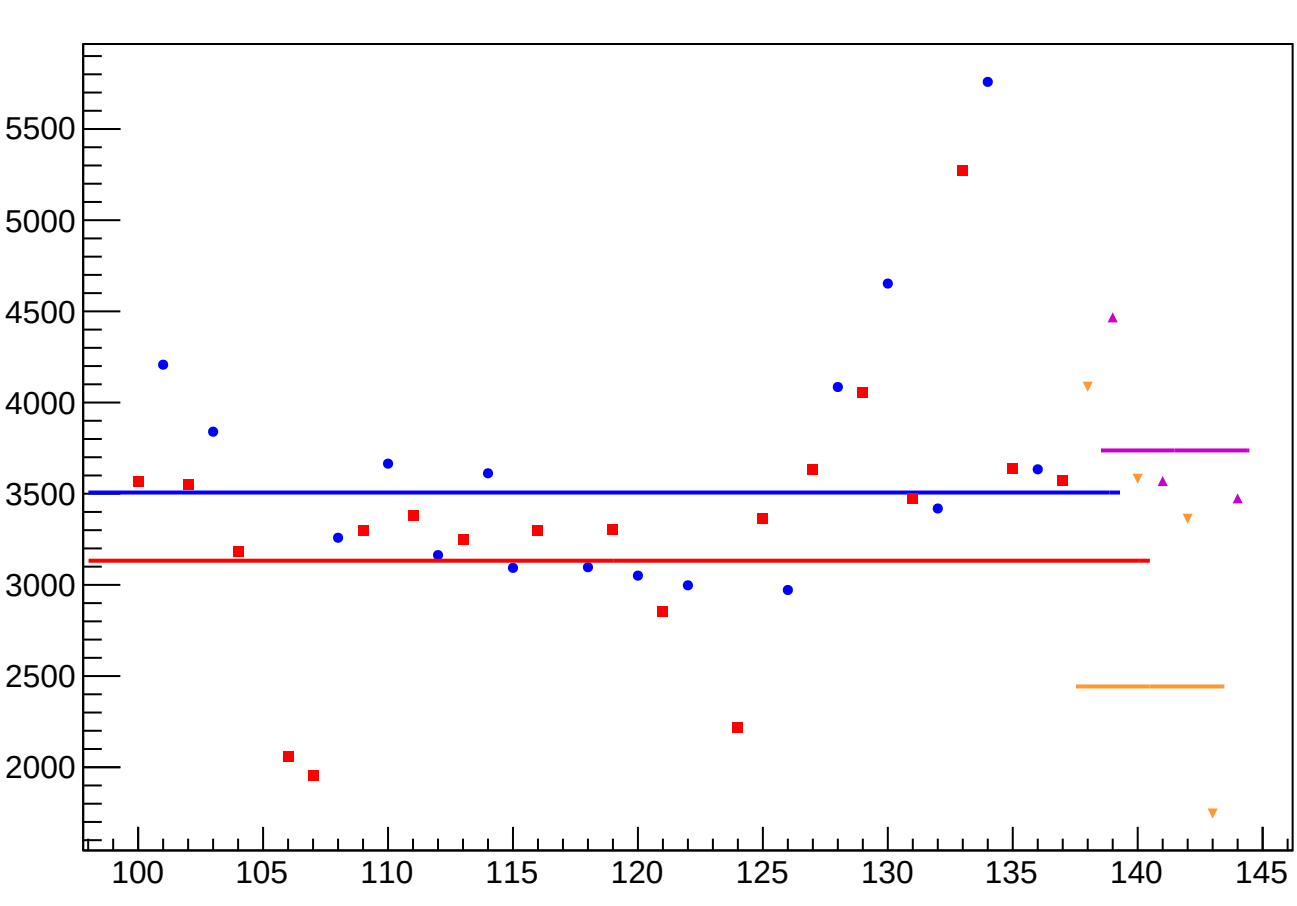
Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

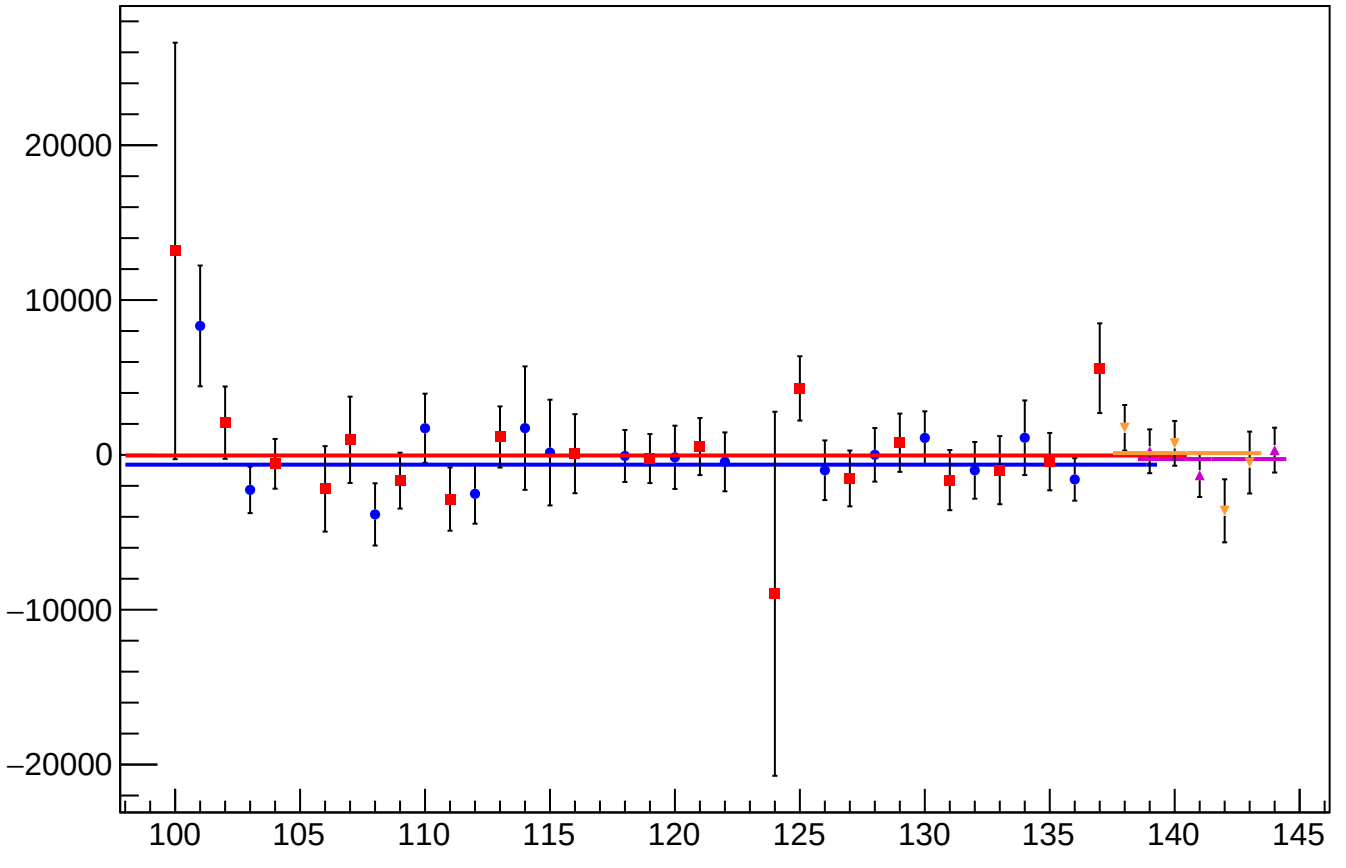
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -269.641+/-821.347 χ^2/NDF:0.8/2

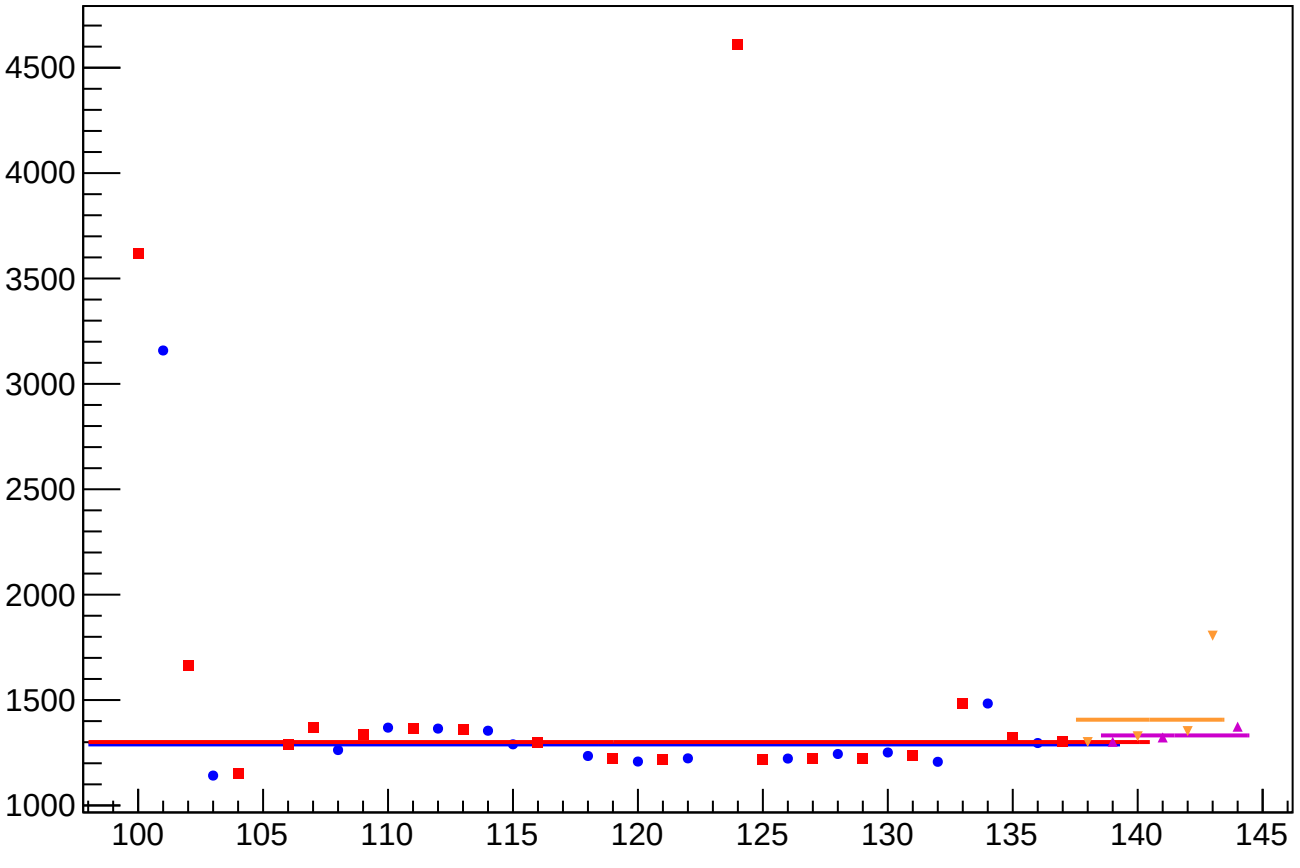
Left: -79.376+/-585.845 χ^2/NDF: 5.8/6

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -536.845+/-419.957 χ^2/NDF:14.9/18

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -268.841+/-297.494 χ^2/NDF: 36.9/41



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1332.131+/-0.581 χ^2/NDF:2652.6/2

Left: 1368.761+/-0.414 χ^2/NDF: 108121.3/6

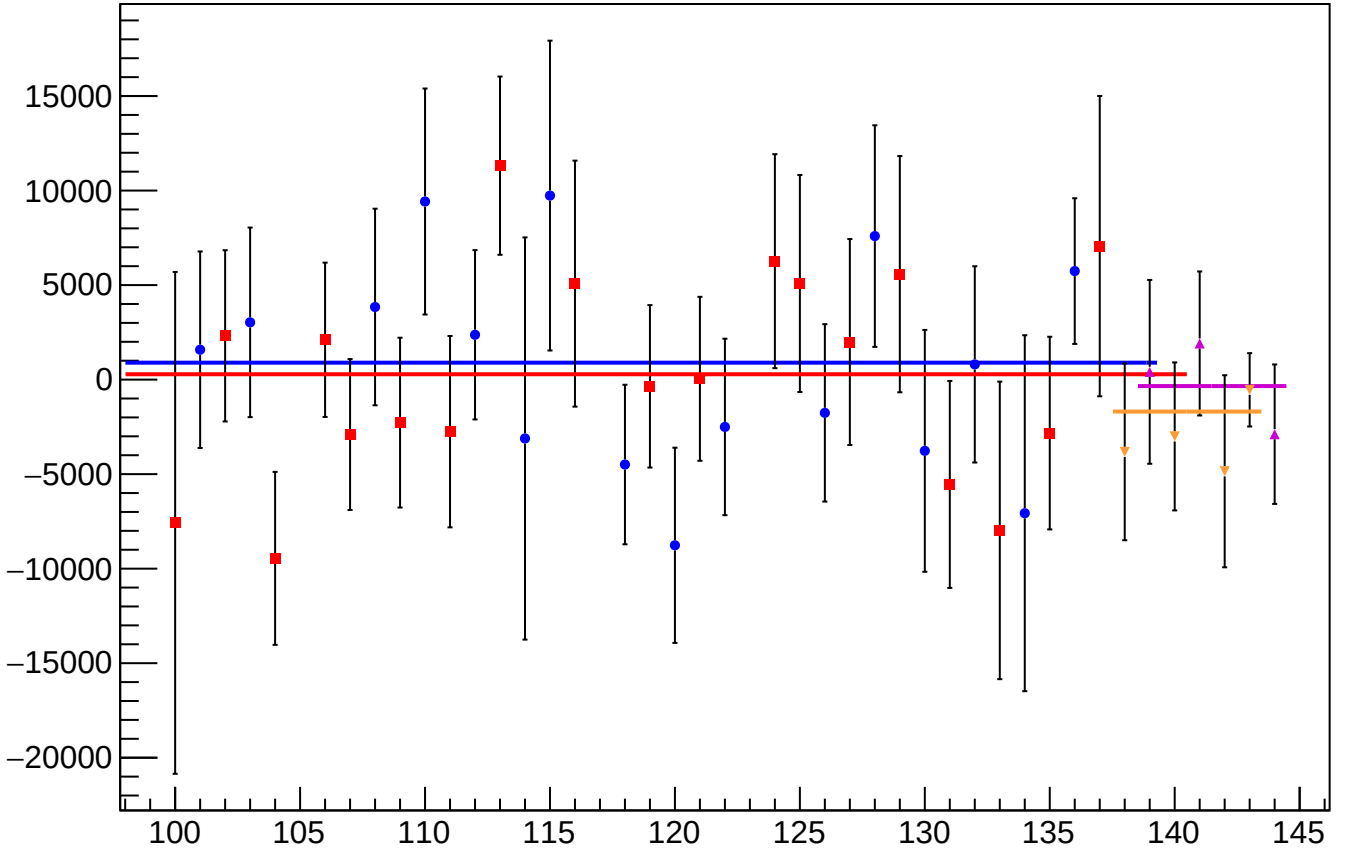
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1300.620+/-0.297 χ^2/NDF:521314.8/18

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1314.063+/-0.210 χ^2/NDF: 972715.7/41

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -341.762+/-2326.502 χ^2/NDF:0.9/2

Left: -1275.251+/-1290.594 χ^2/NDF: 2.1/6

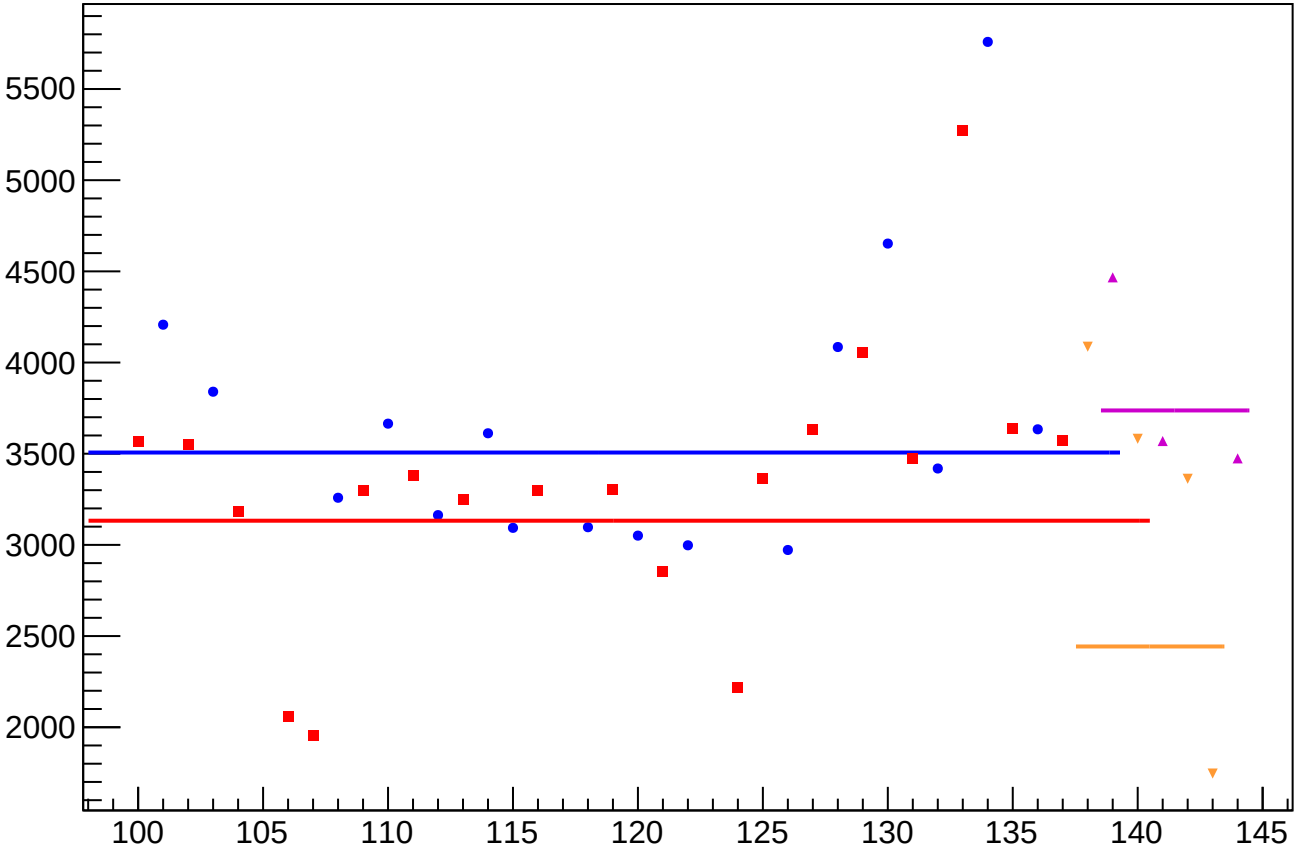
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 592.924+/-1151.249 χ^2/NDF:15.1/18

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: -27.740+/-728.461 χ^2/NDF: 36.3/41

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: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3737.270+/-1.645 χ^2/NDF:59108.5/2

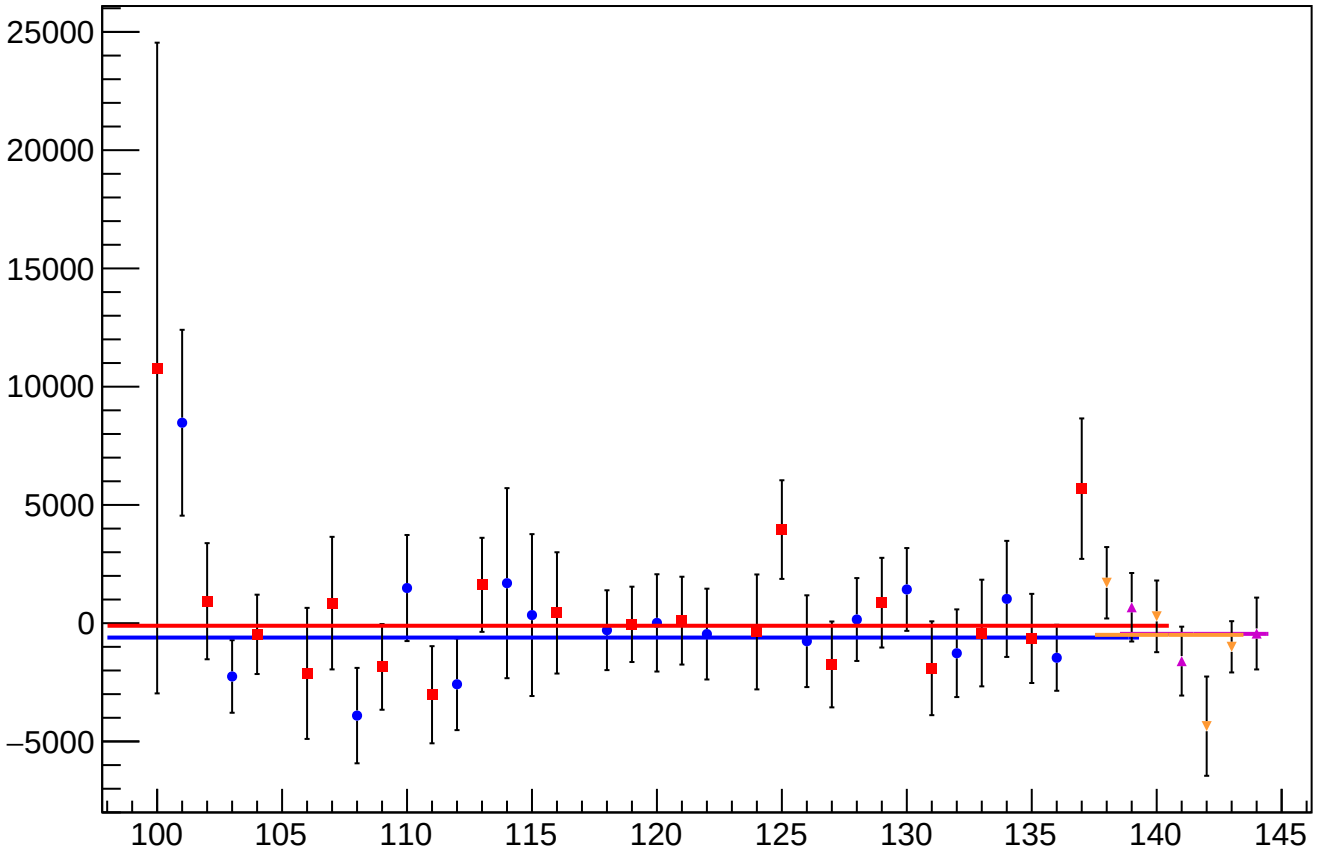
Left: 2841.203+/-0.913 χ^2/NDF: 1228154.0/6

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3562.996+/-0.814 χ^2/NDF:427207.8/18

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3152.799+/-0.515 χ^2/NDF: 2490713.1/41



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -451.534+/-850.702 χ^2/NDF:1.2/2

Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

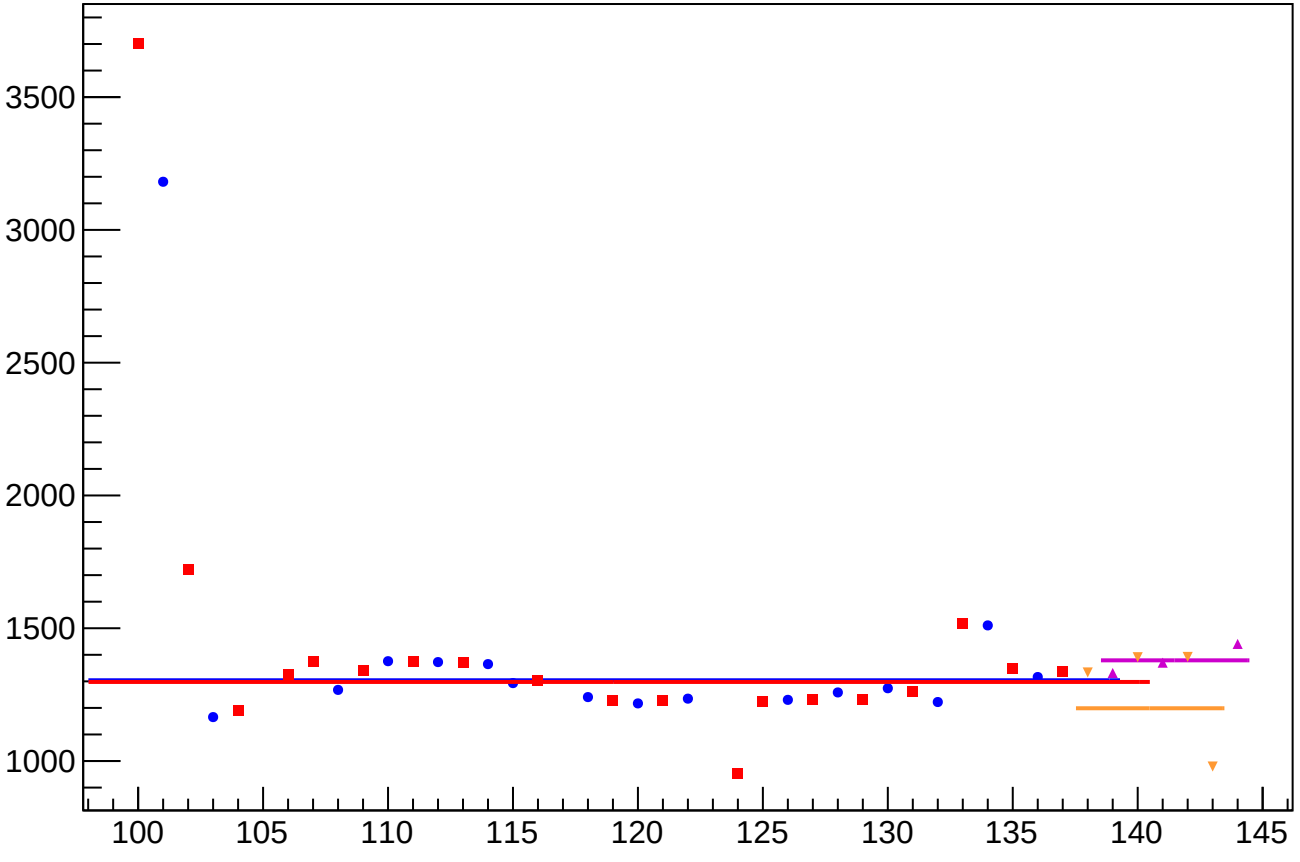
Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -568.395+/-427.314 χ^2/NDF:15.4/18

Out: -229.873+/-401.800 χ^2/NDF:21.1/22

All: -388.727+/-292.720 χ^2/NDF: 36.8/41

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1379.156+/-0.602 χ^2/NDF:5549.6/2

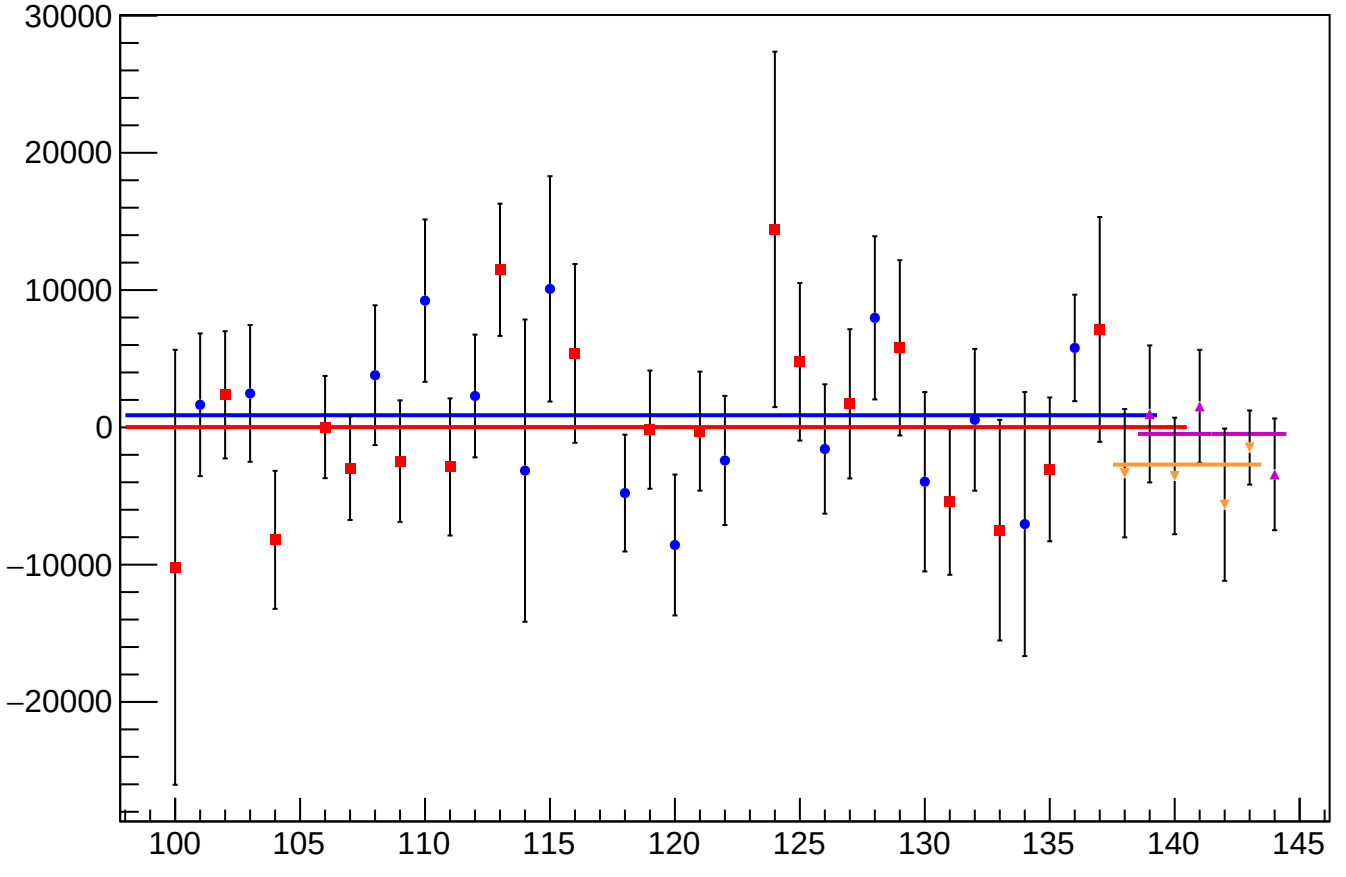
Left: 1273.468+/-0.387 χ^2/NDF: 205322.0/6

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1323.039+/-0.302 χ^2/NDF:527778.7/18

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.3/41



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -479.573+/-2502.432 χ^2/NDF:0.8/2

Left: -1881.995+/-1523.342 χ^2/NDF: 1.9/6

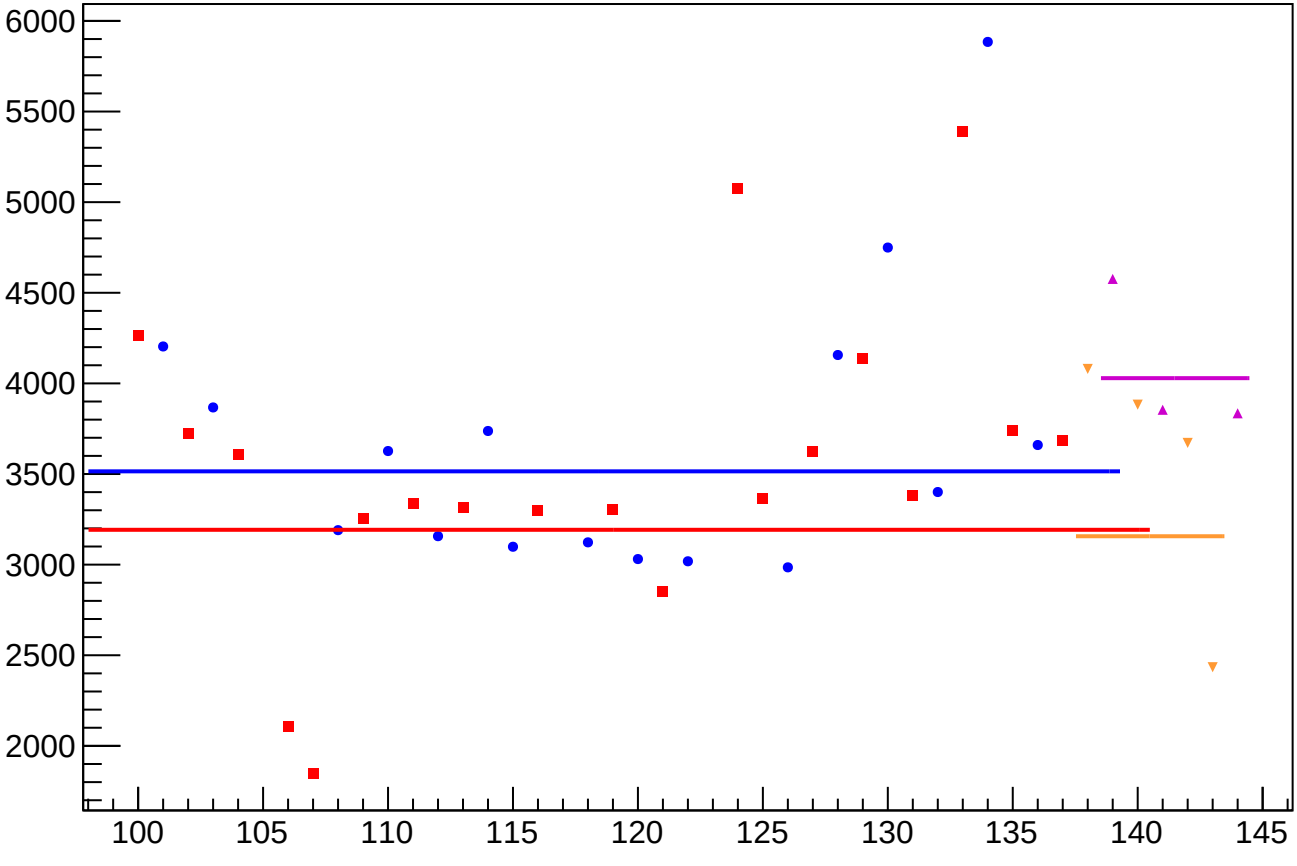
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 584.624+/-1172.638 χ^2/NDF:15.2/18

Out: -745.662+/-1017.622 χ^2/NDF:18.8/22

All: -174.201+/-768.572 χ^2/NDF: 34.8/41

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4028.899+/-1.769 χ^2/NDF:32241.1/2

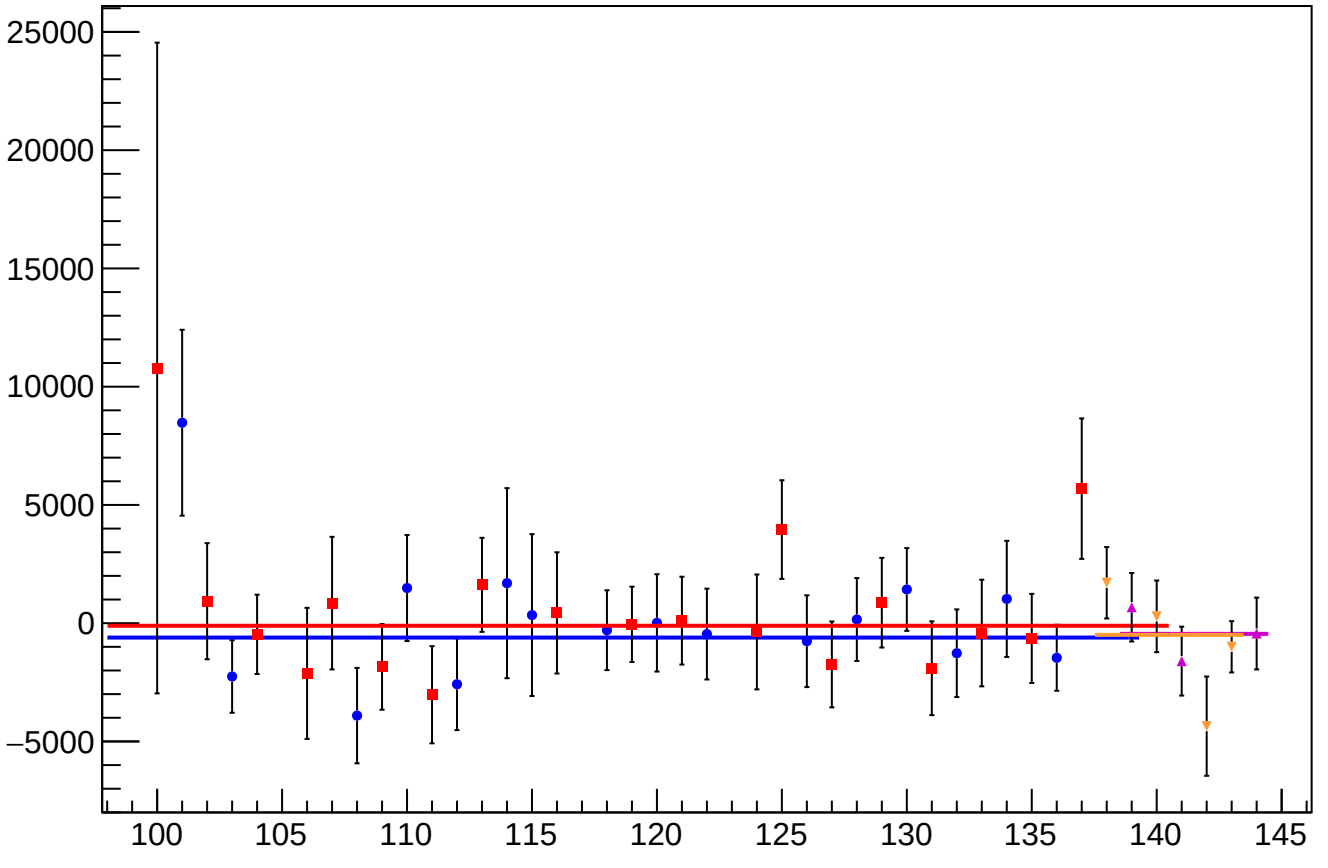
Left: 3479.866+/-1.077 χ^2/NDF: 482574.8/6

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3627.646+/-0.829 χ^2/NDF:473209.3/18

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3373.560+/-0.543 χ^2/NDF: 1708194.7/41



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -451.531+/-850.703 χ^2/NDF:1.2/2

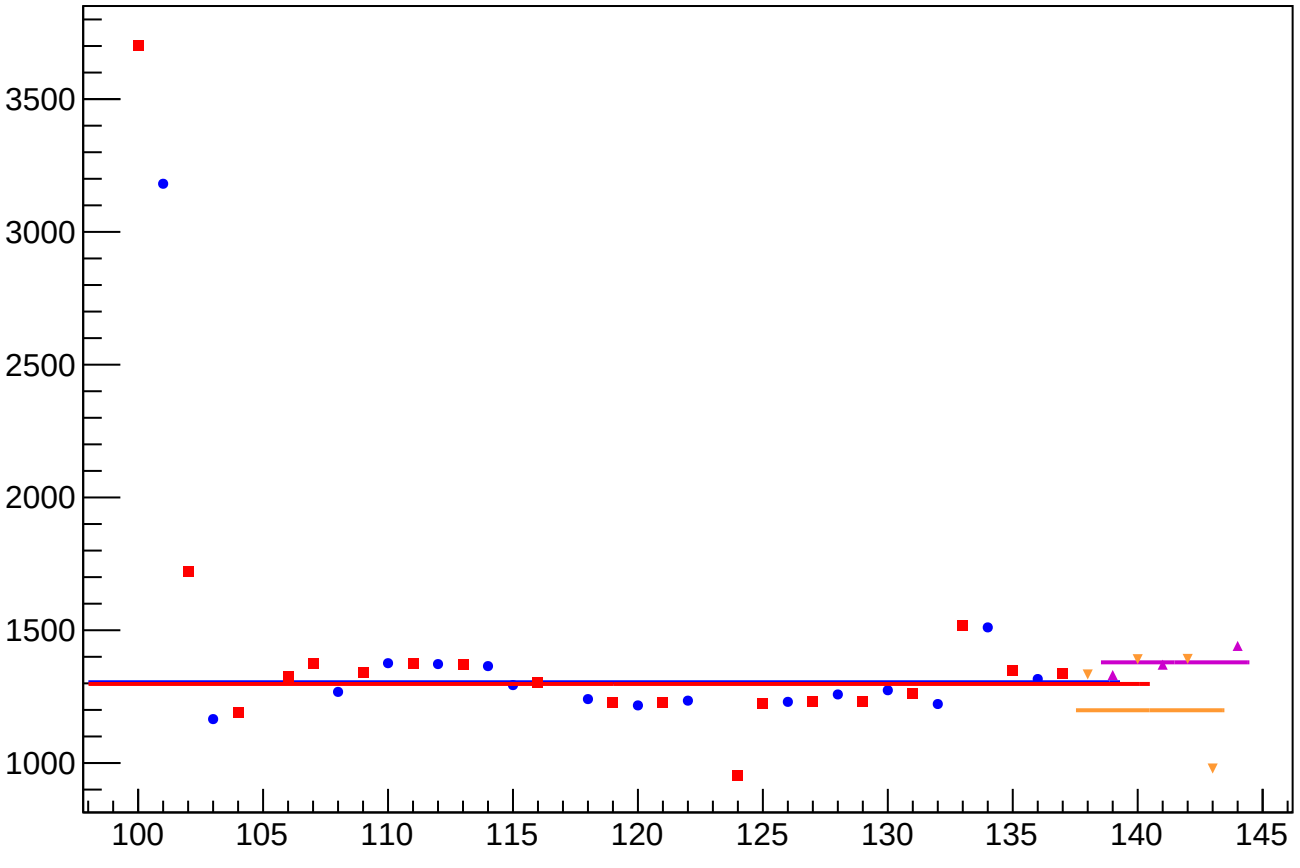
Left: -475.983+/-547.639 χ^2/NDF: 7.2/6

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -568.397+/-427.314 χ^2/NDF:15.4/18

Out: -229.877+/-401.800 χ^2/NDF:21.1/22

All: -388.730+/-292.720 χ^2/NDF: 36.8/41



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1379.157+/-0.602 χ^2/NDF:5549.7/2

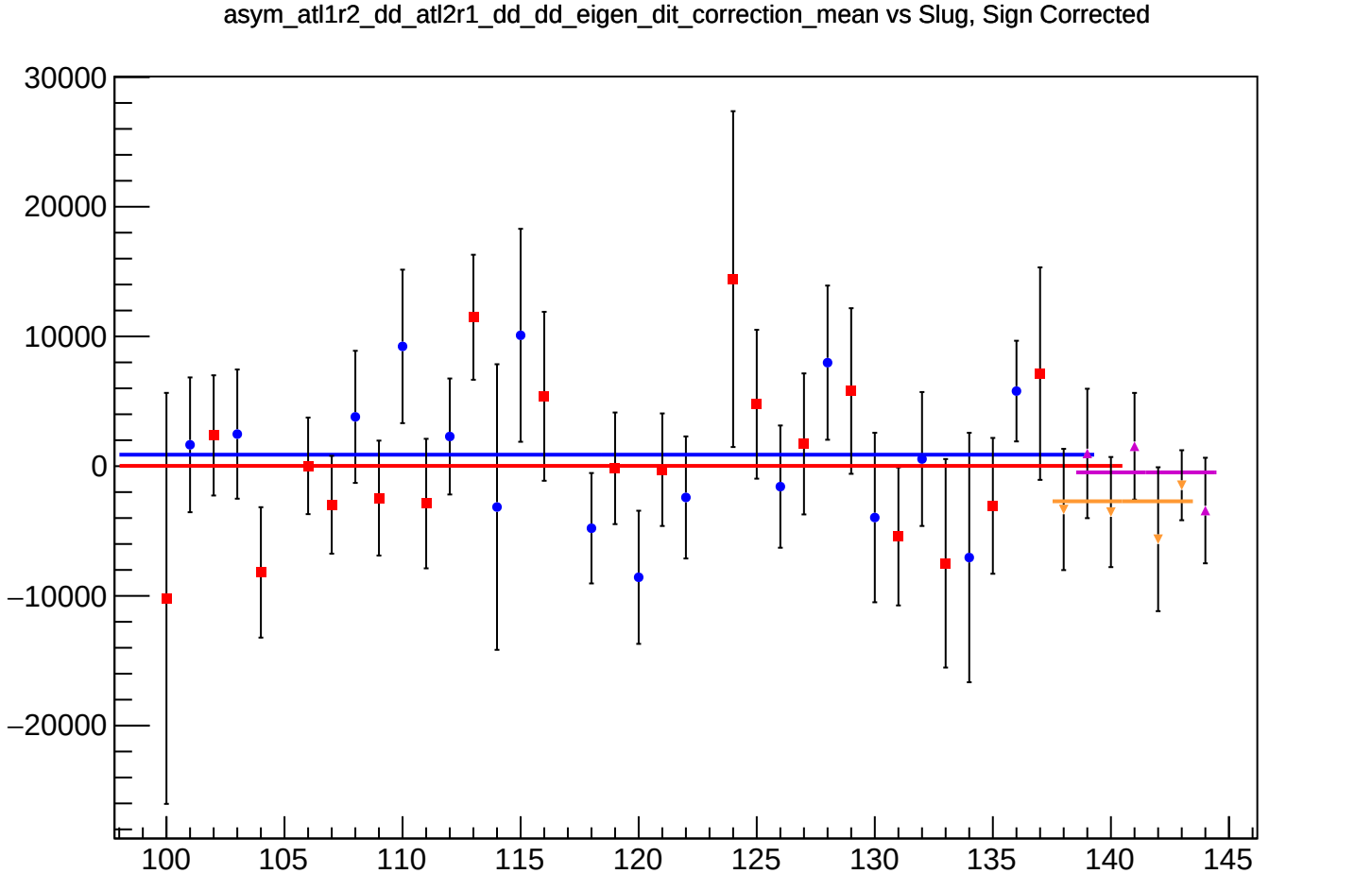
Left: 1273.469+/-0.387 χ^2/NDF: 205322.0/6

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1323.040+/-0.302 χ^2/NDF:527779.3/18

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1293.061+/-0.207 χ^2/NDF: 932757.2/41



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -479.569+/-2502.436 χ^2/NDF:0.8/2

Left: -1881.995+/-1523.344 χ^2/NDF: 1.9/6

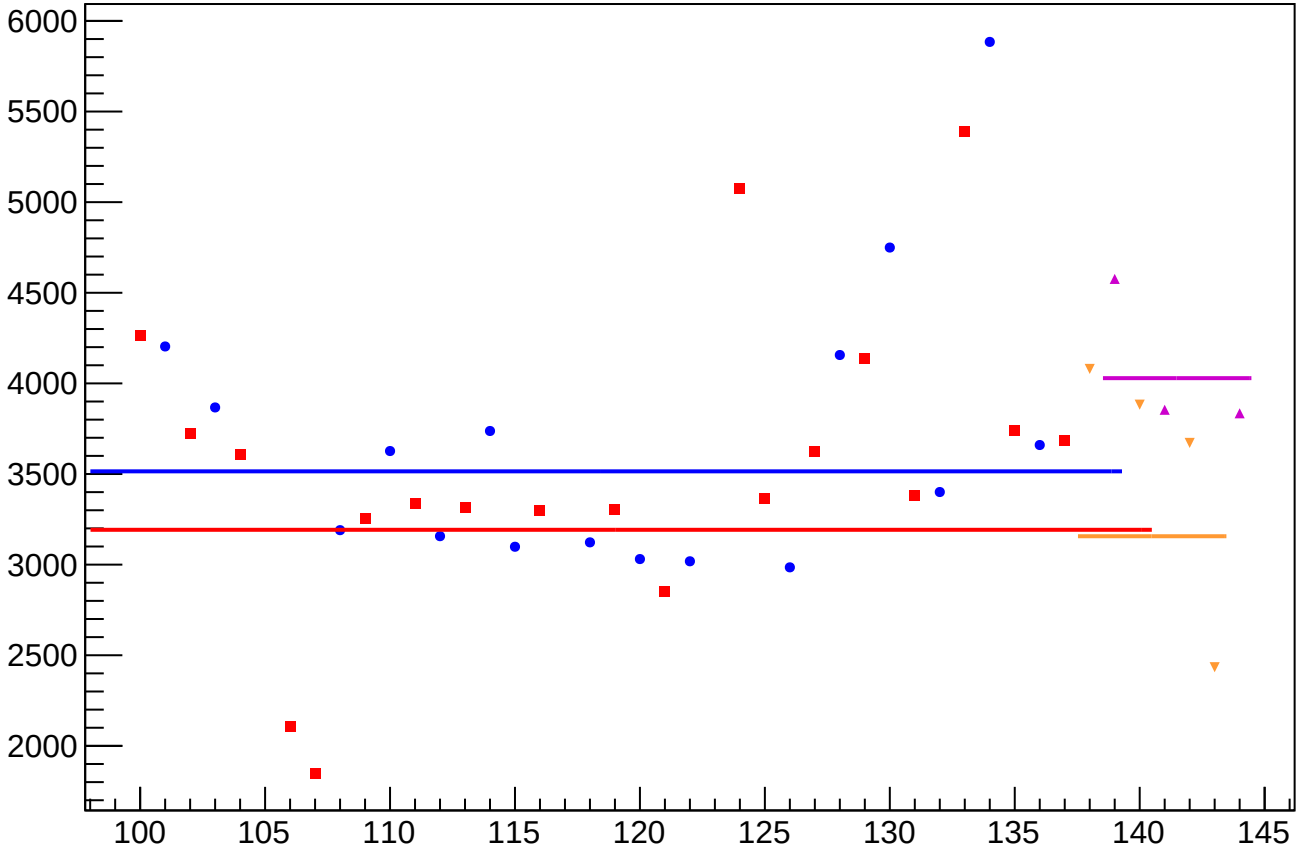
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 584.619+/-1172.637 χ^2/NDF:15.2/18

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -174.203+/-768.571 χ^2/NDF: 34.8/41

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4028.906+/-1.769 χ^2/NDF:32241.7/2

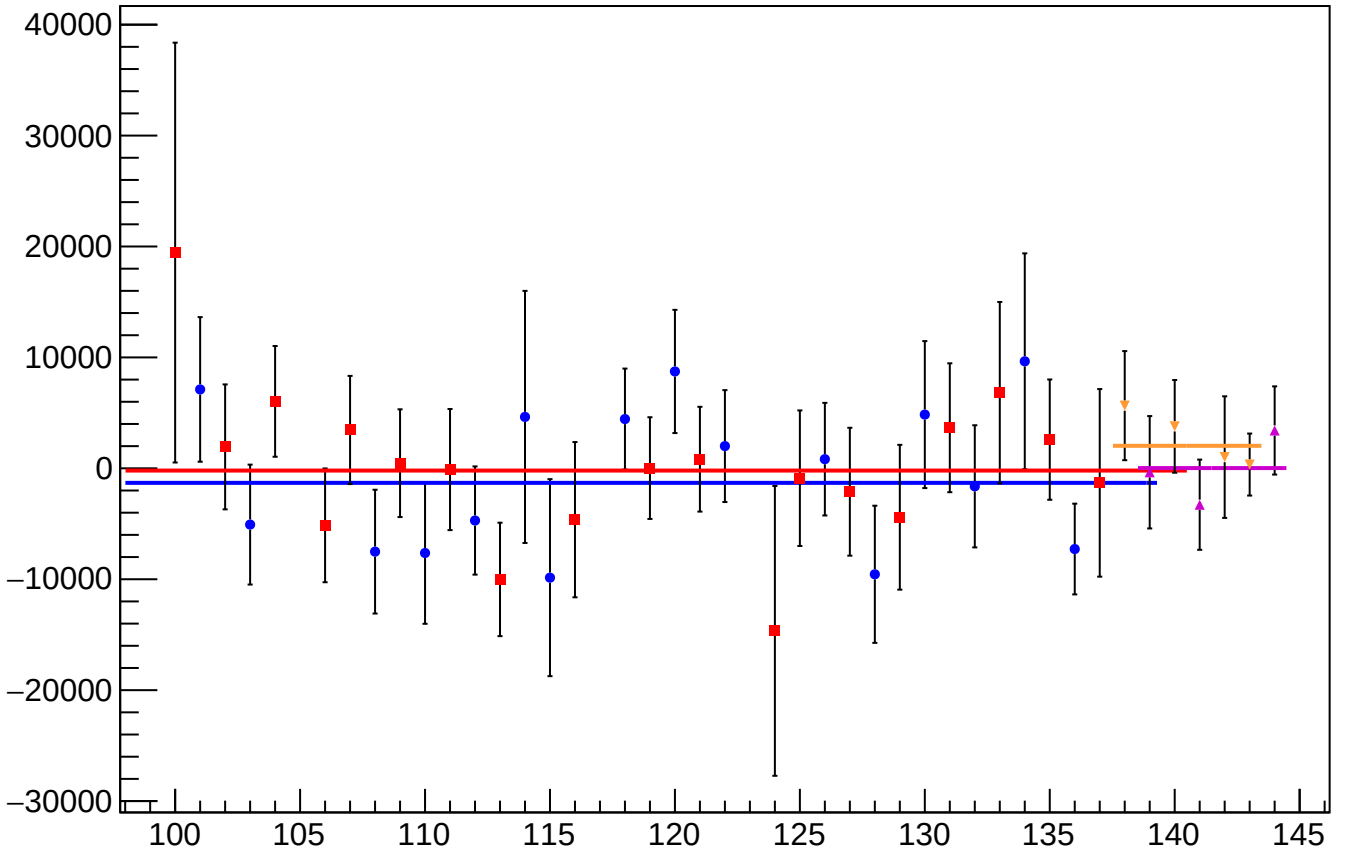
Left: 3479.872+/-1.077 χ^2/NDF: 482575.8/6

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3627.640+/-0.829 χ^2/NDF:473218.0/18

Out: 3182.207+/-0.720 χ^2/NDF:1070373.5/22

All: 3373.555+/-0.543 χ^2/NDF: 1708204.5/41



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 22.793+/-2479.396 χ^2/NDF:1.4/2

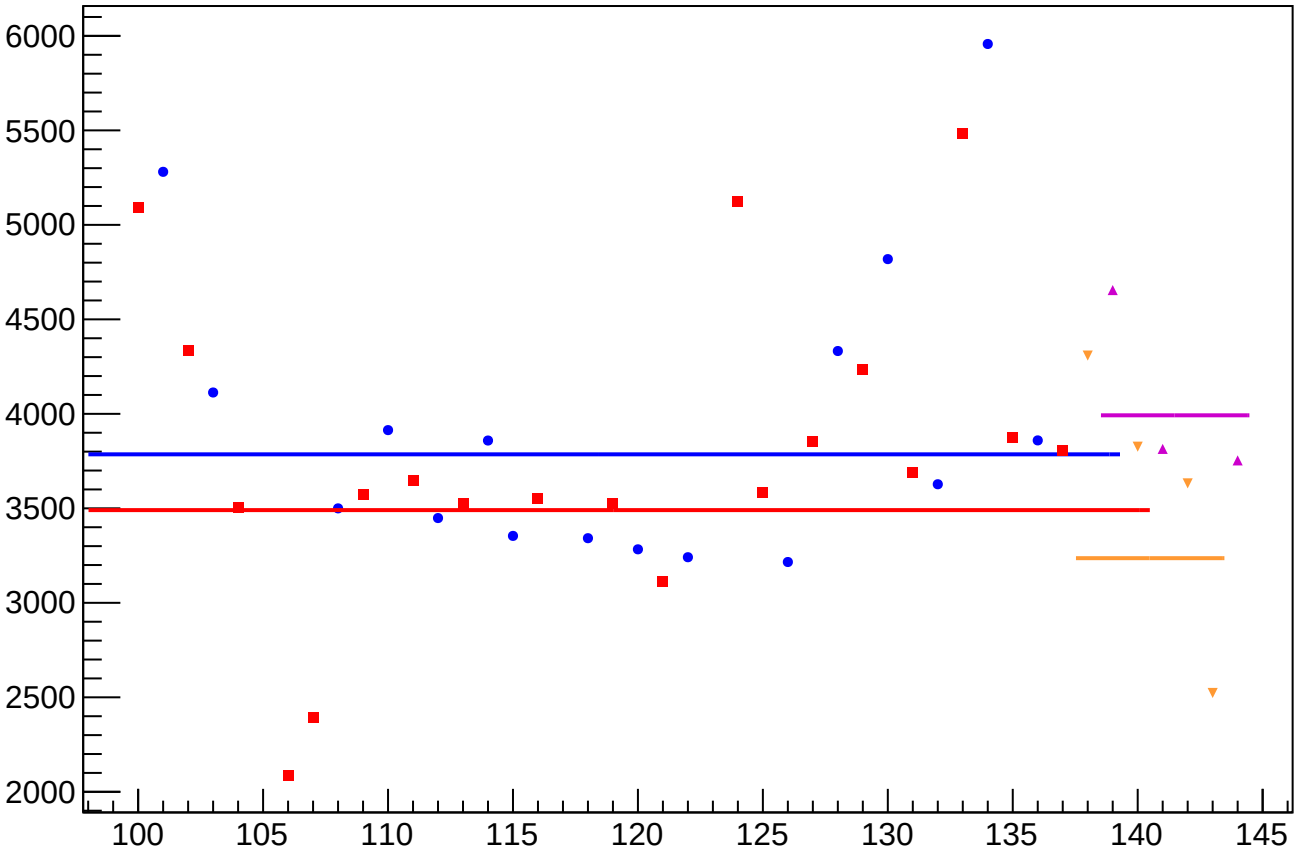
Left: 1257.170+/-1538.328 χ^2/NDF: 2.9/6

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -976.264+/-1239.792 χ^2/NDF:19.2/18

Out: 505.550+/-1104.243 χ^2/NDF:13.6/22

All: -149.953+/-824.592 χ^2/NDF: 33.6/41



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3992.262+/-1.753 χ^2/NDF:45251.6/2

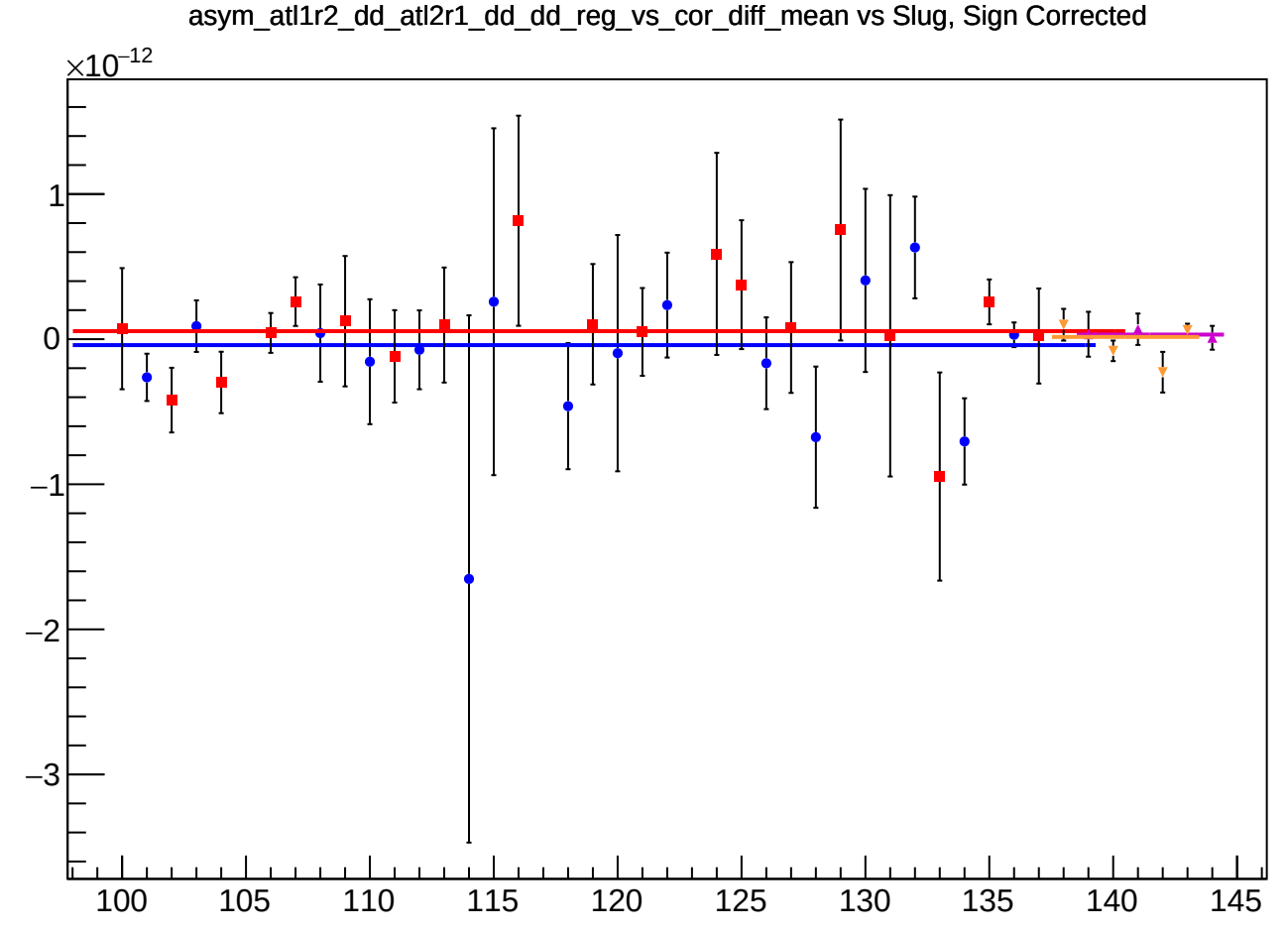
Left: 3527.297+/-1.088 χ^2/NDF: 435186.7/6

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3837.403+/-0.877 χ^2/NDF:438647.8/18

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3597.939+/-0.580 χ^2/NDF: 1456806.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

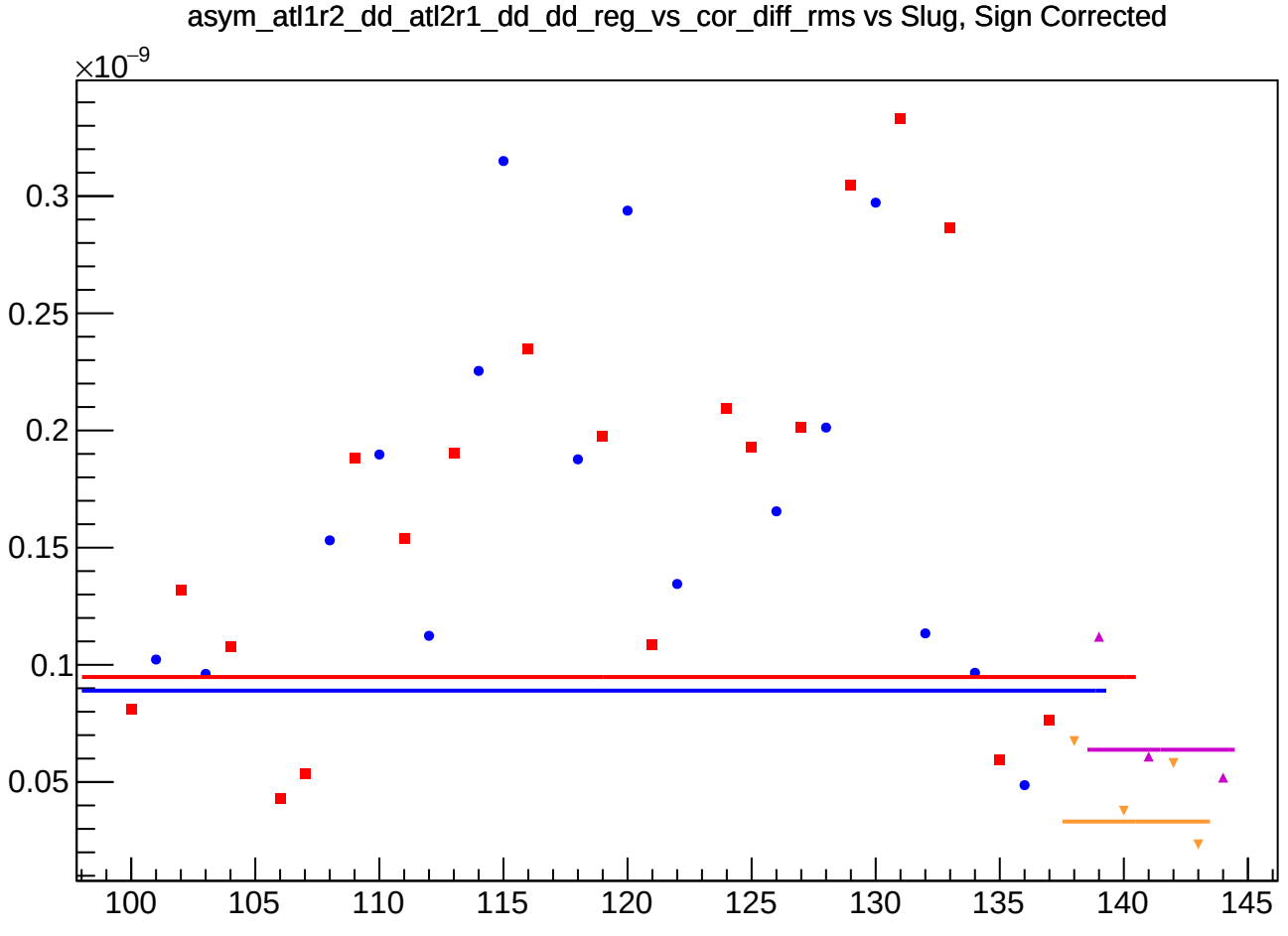
Left: 0.000+/-0.000 χ^2/NDF: 6.8/6

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:17.6/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237675.2/2

Left: 0.000+/-0.000 χ^2/NDF: 995632.5/6

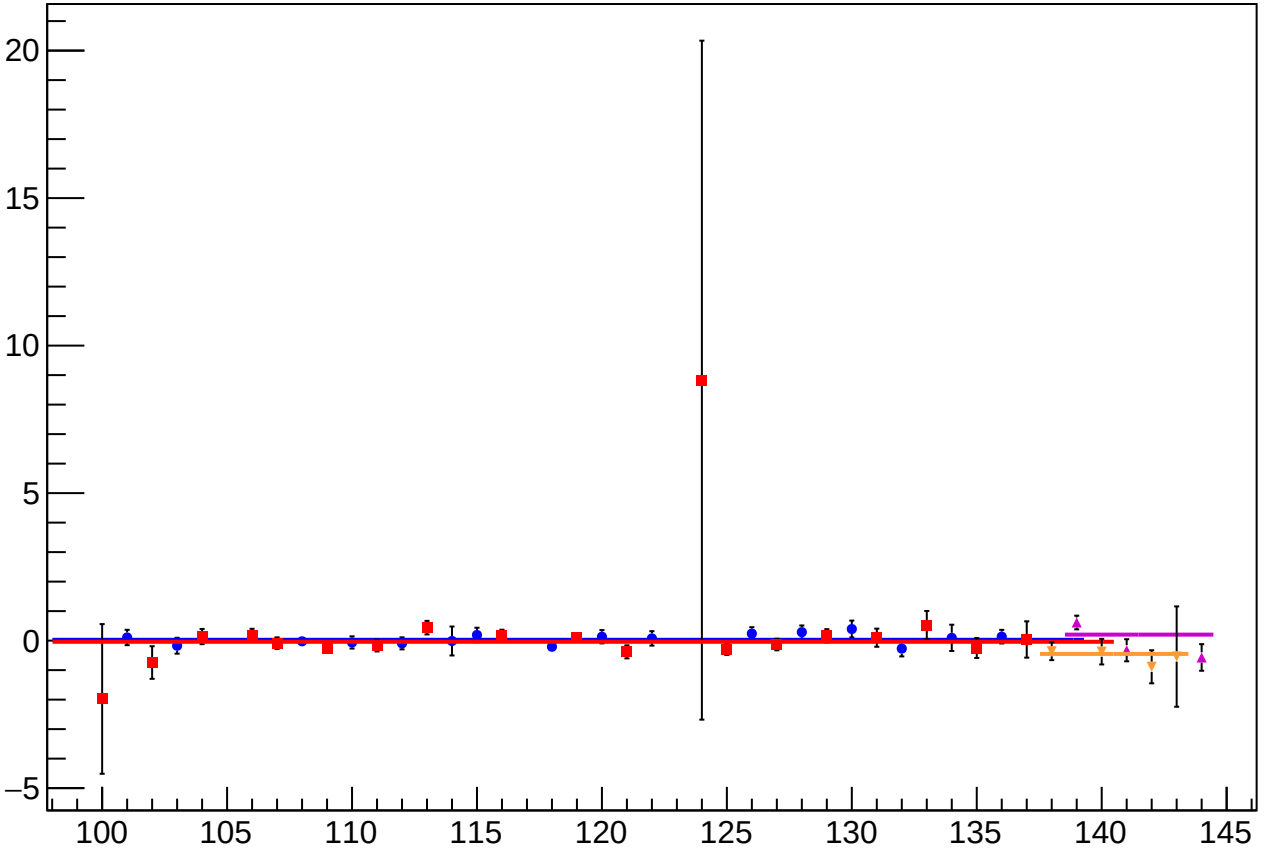
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1877202.9/18

Out: 0.000+/-0.000 χ^2/NDF:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6081130.4/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

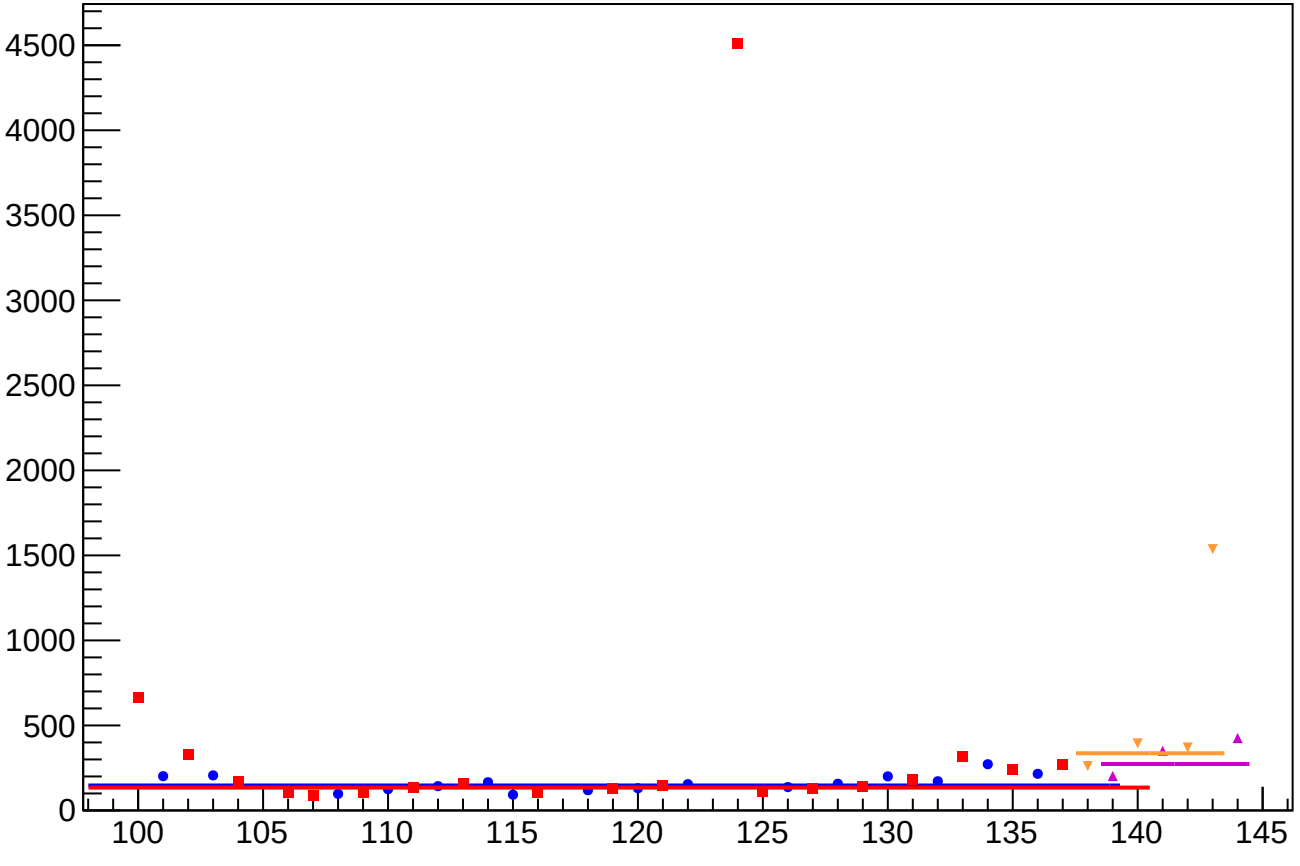
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

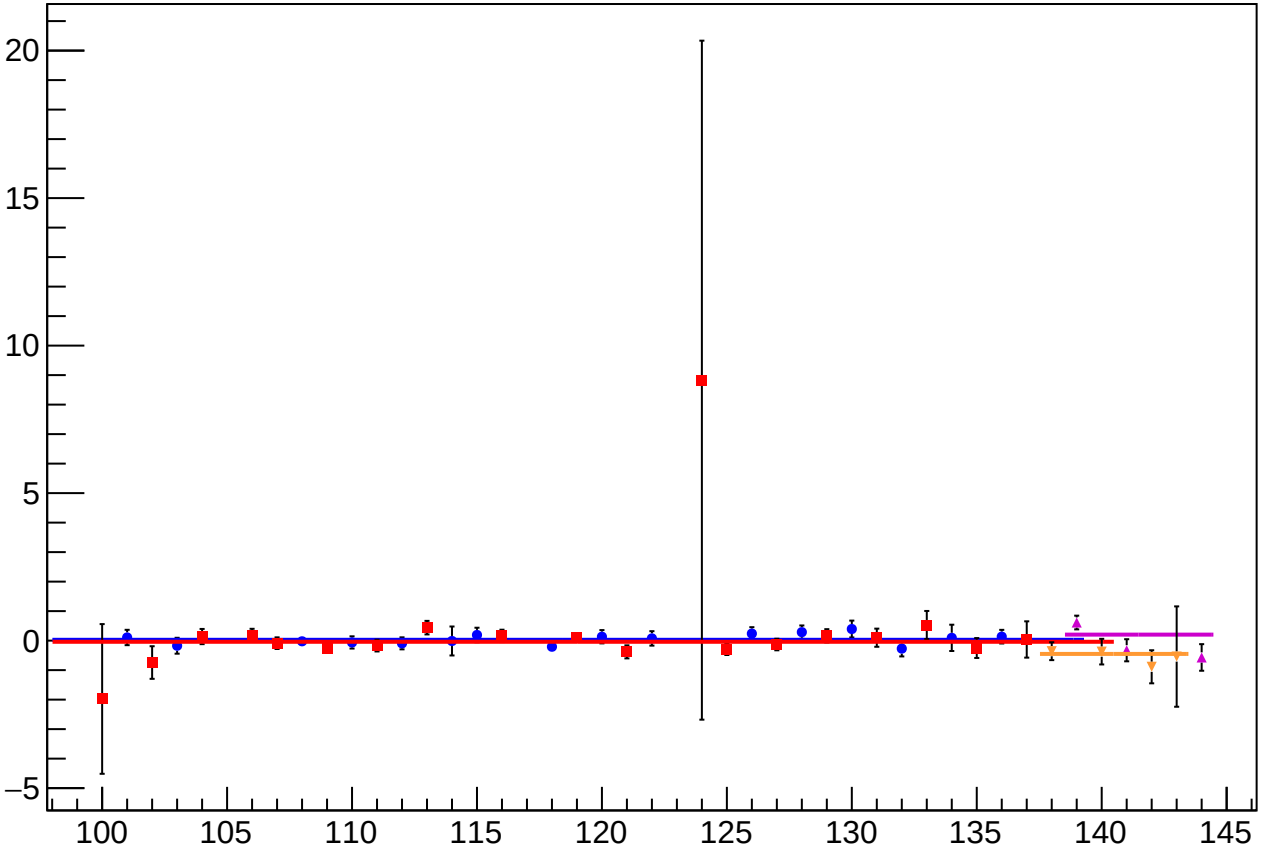
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

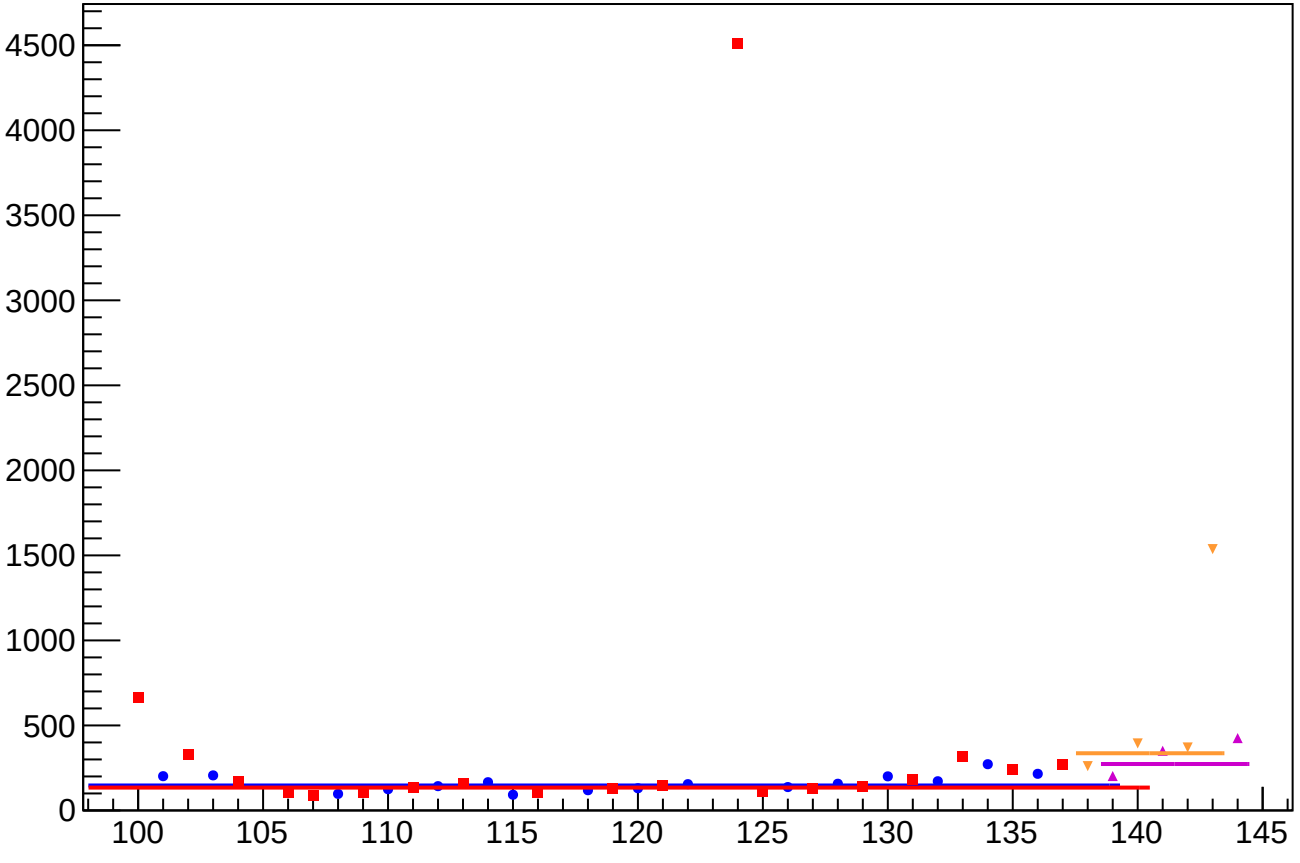
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 273.171+/-0.128 χ^2/NDF:499529.4/2

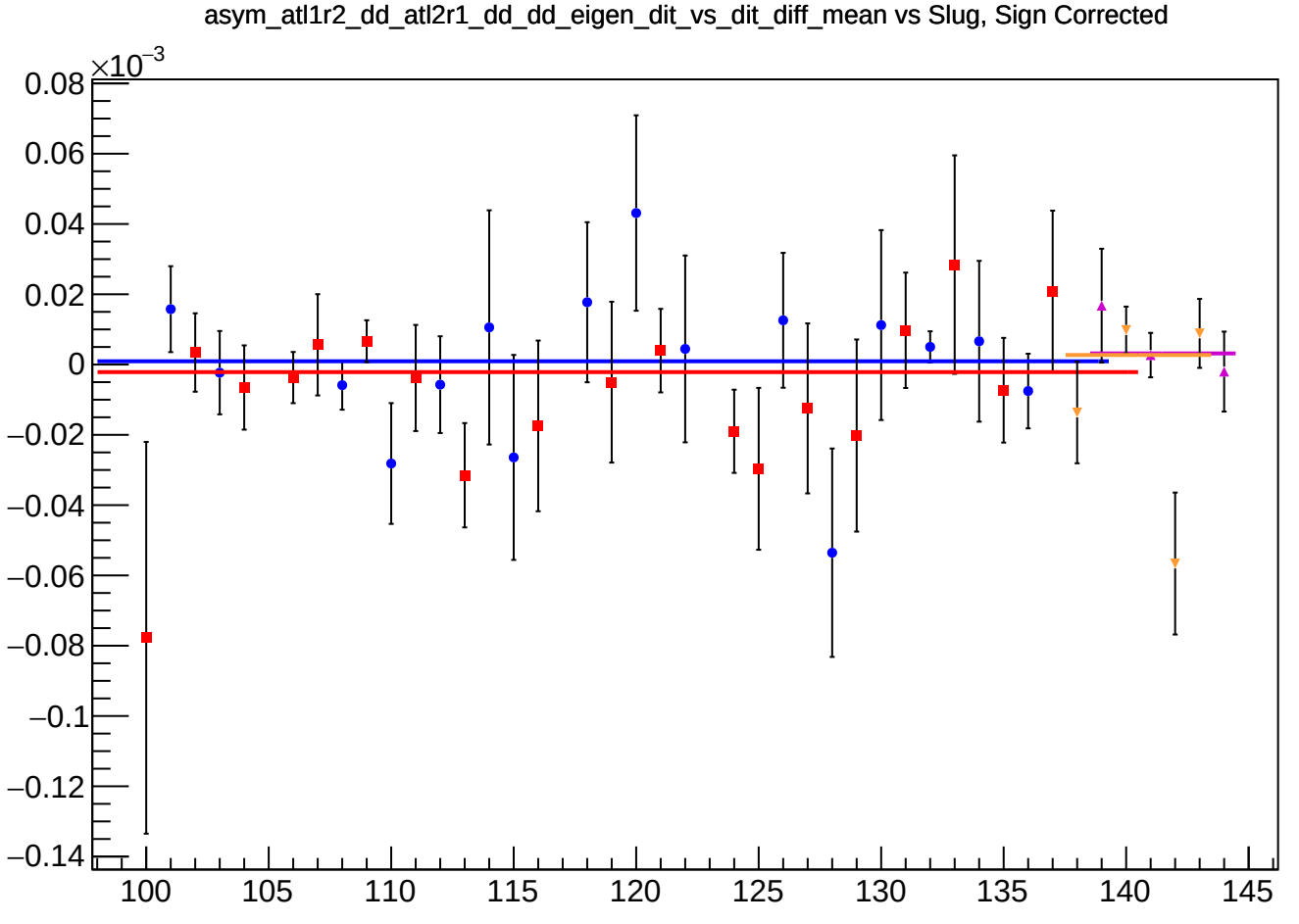
Left: 298.031+/-0.100 χ^2/NDF: 1760391.8/6

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

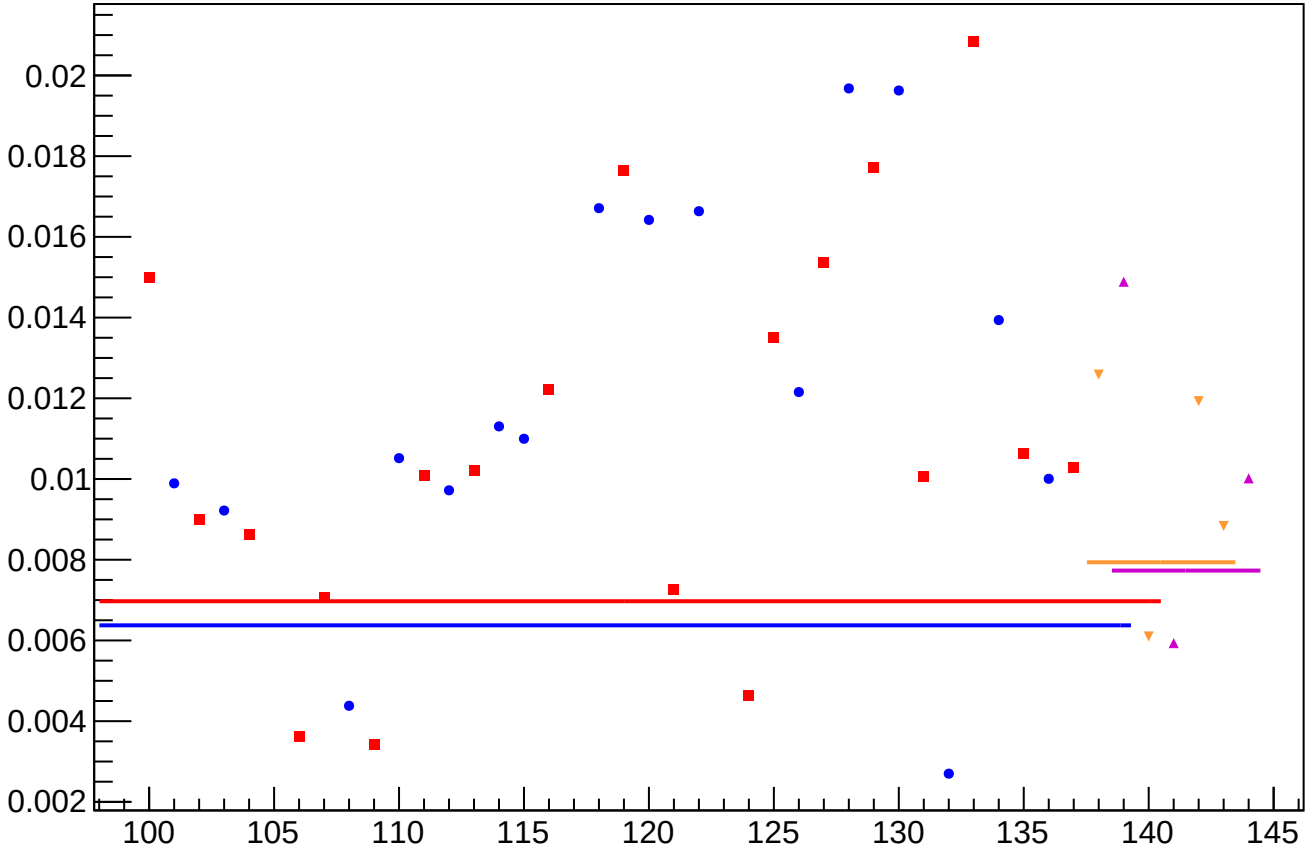
In: 158.482+/-0.039 χ^2/NDF:2382568.7/18

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 151.940+/-0.027 χ^2/NDF: 6730046.6/41


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.9/2
Left: 0.000+/-0.000 χ²/NDF: 12.4/6
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:15.9/18
Out: -0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 44.5/41

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: 0.008+/-0.000 χ^2/NDF:454111.8/3

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.008+/-0.000 χ^2/NDF:632815.0/2

Left: 0.008+/-0.000 χ^2/NDF: 1088550.1/6

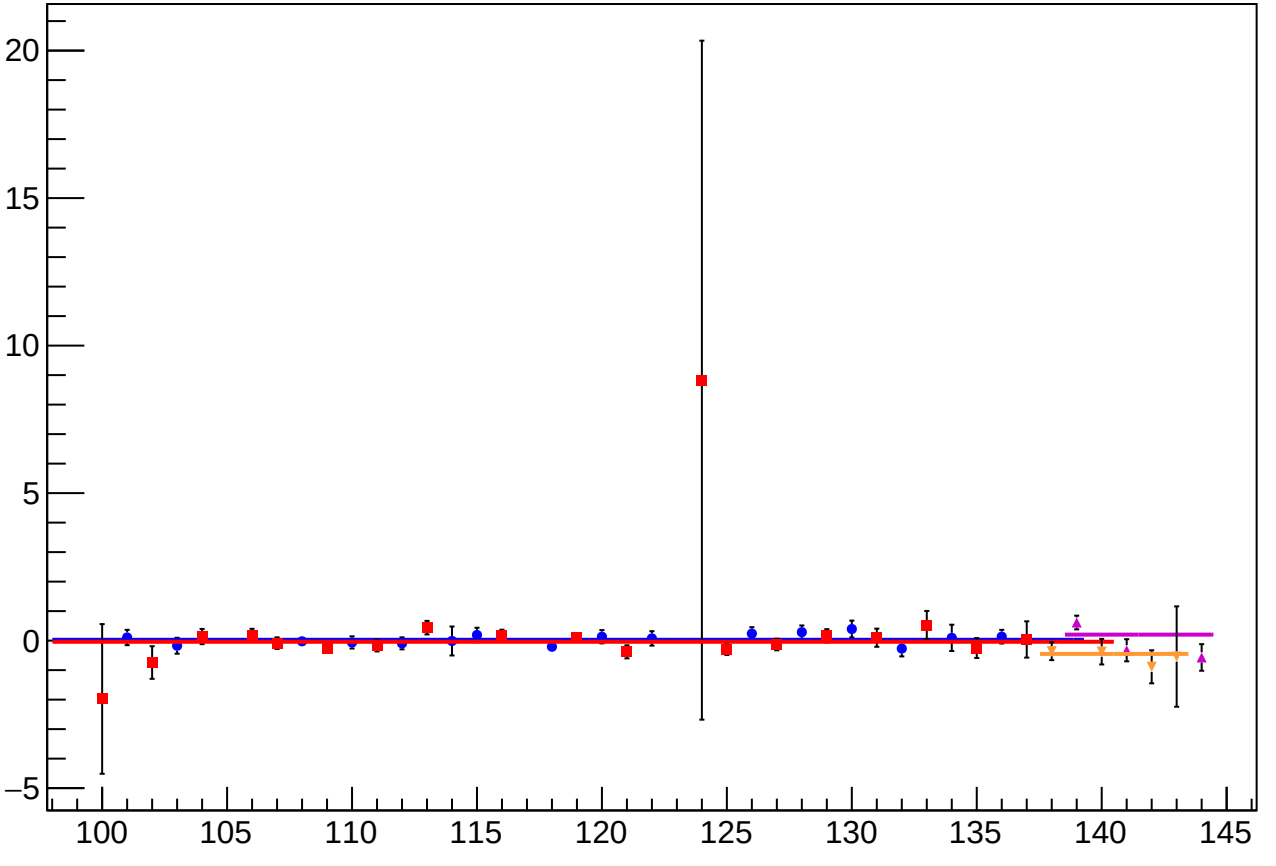
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5375064.1/18

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9336890.3/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

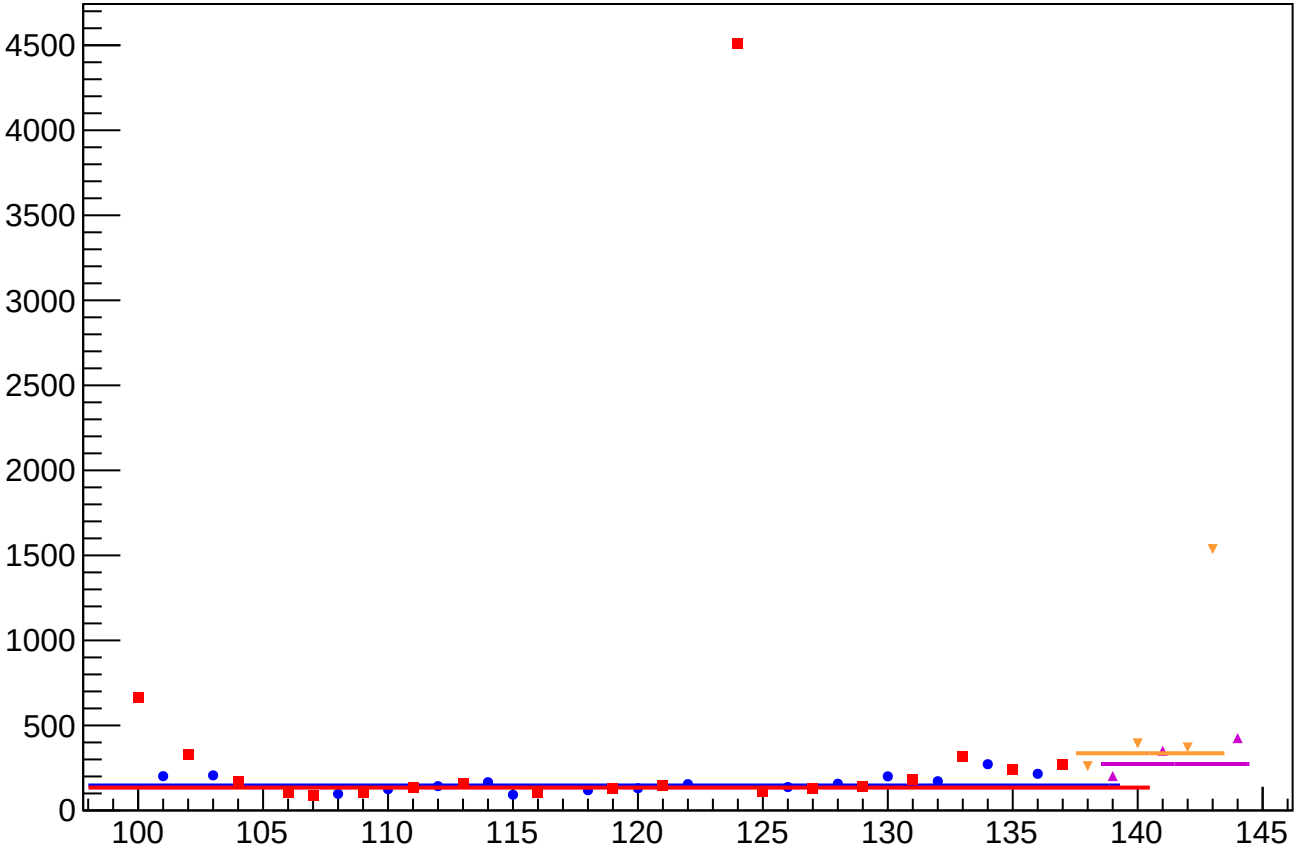
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

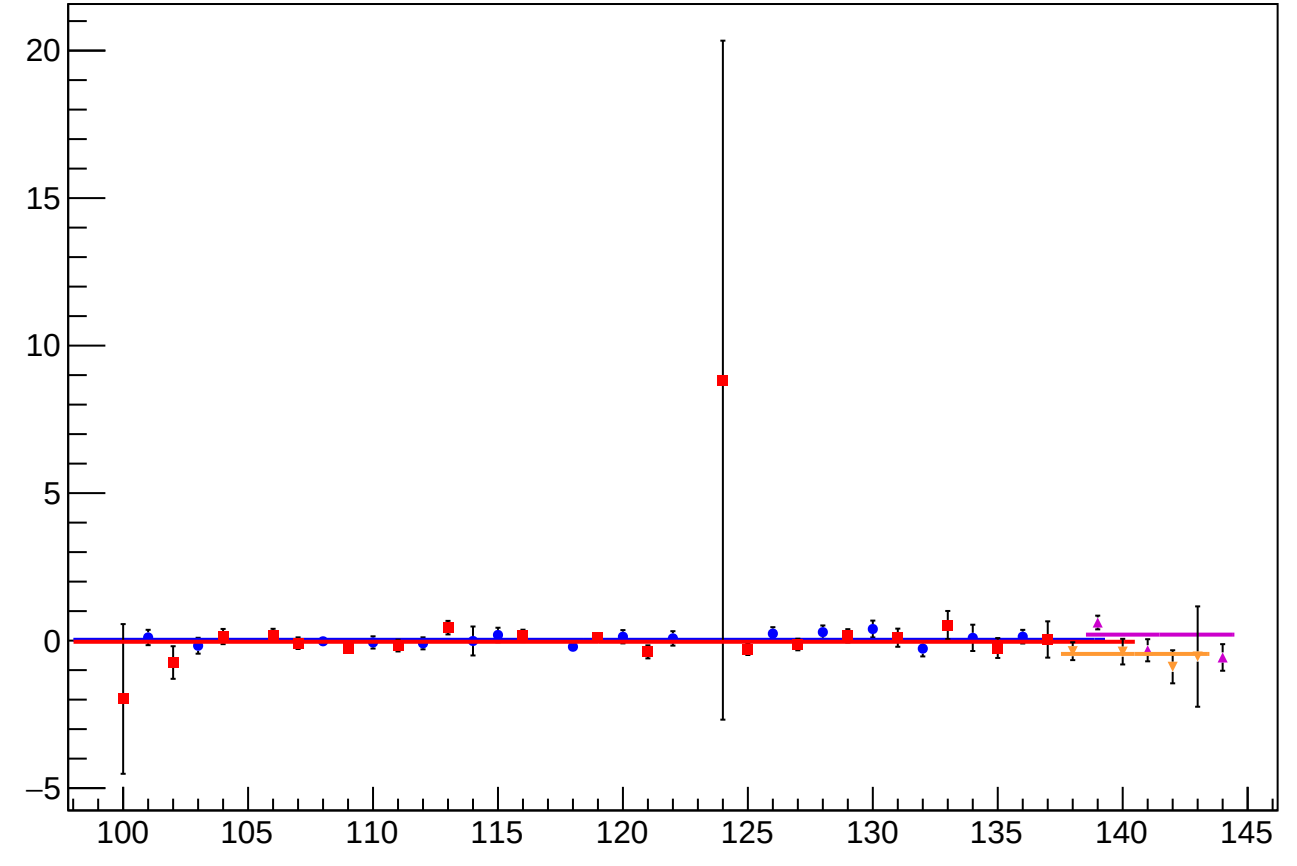
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41

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: -0.451+/-0.225 χ^2/NDF:0.7/3

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.203+/-0.181 χ^2/NDF:8.1/2

Left: -0.054+/-0.141 χ^2/NDF: 13.9/6

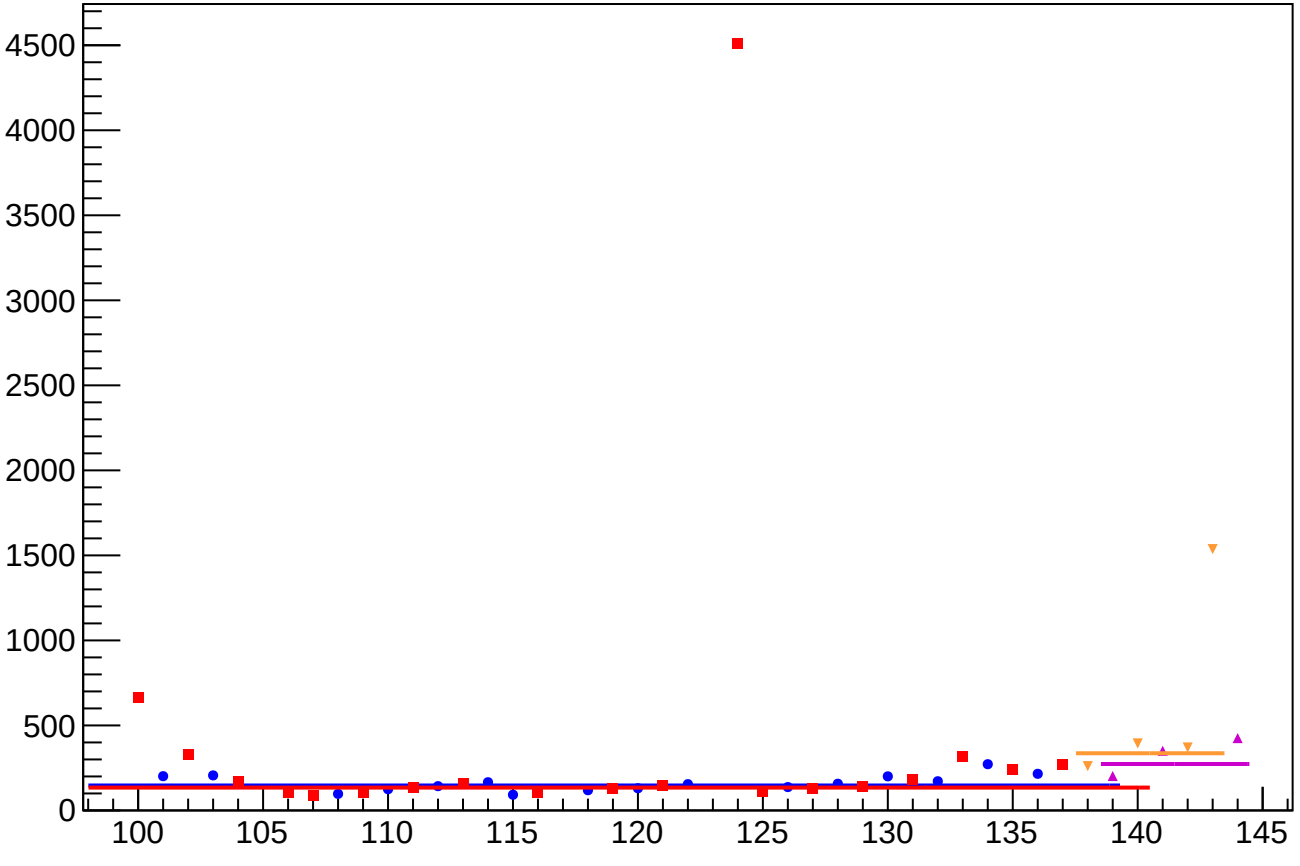
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.044+/-0.055 χ^2/NDF:18.4/18

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.011+/-0.038 χ^2/NDF: 44.2/41

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 273.176+/-0.128 χ^2/NDF:499512.0/2

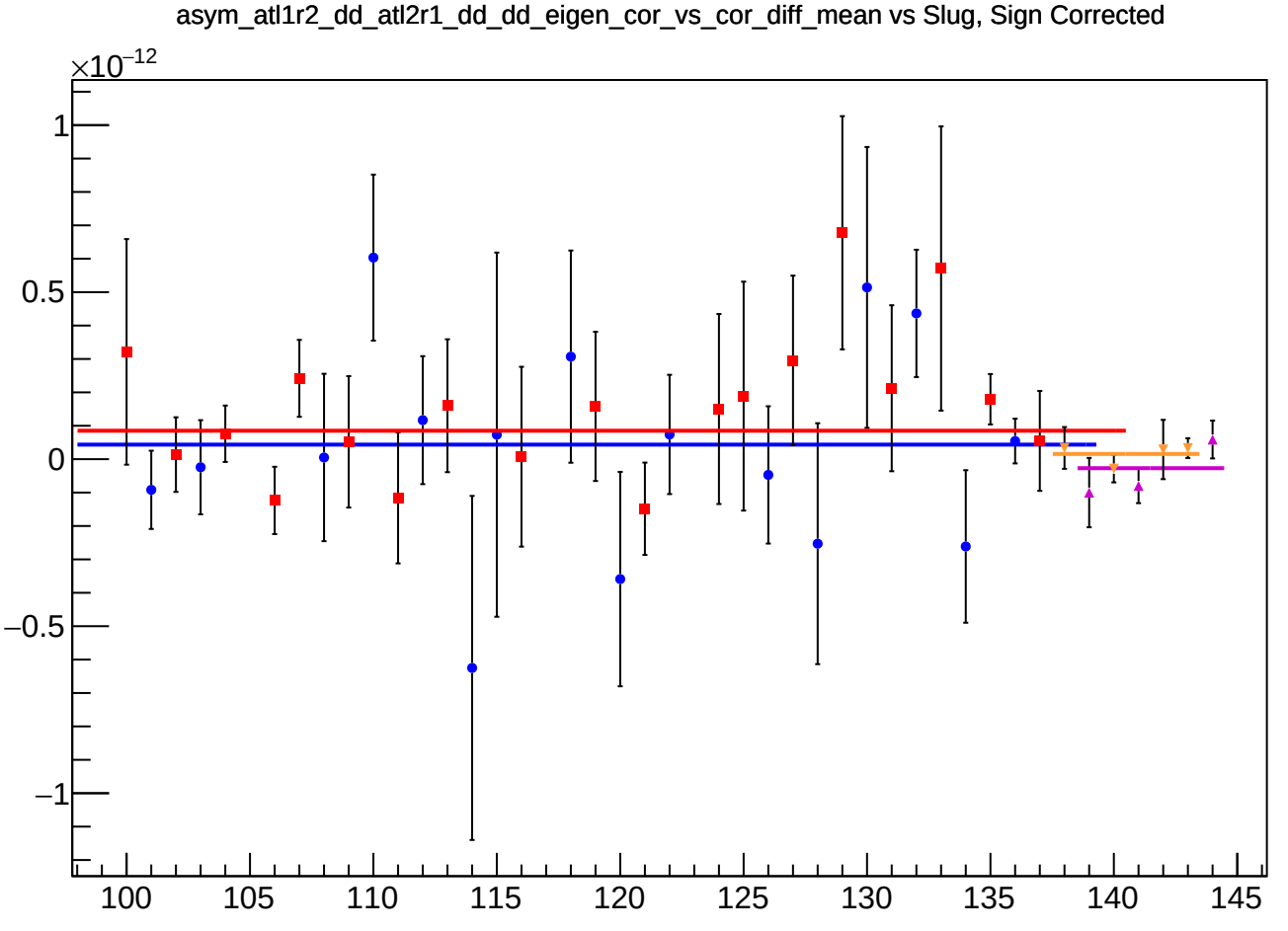
Left: 298.036+/-0.100 χ^2/NDF: 1760359.6/6

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 158.482+/-0.039 χ^2/NDF:2382536.0/18

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 151.941+/-0.027 χ^2/NDF: 6729930.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

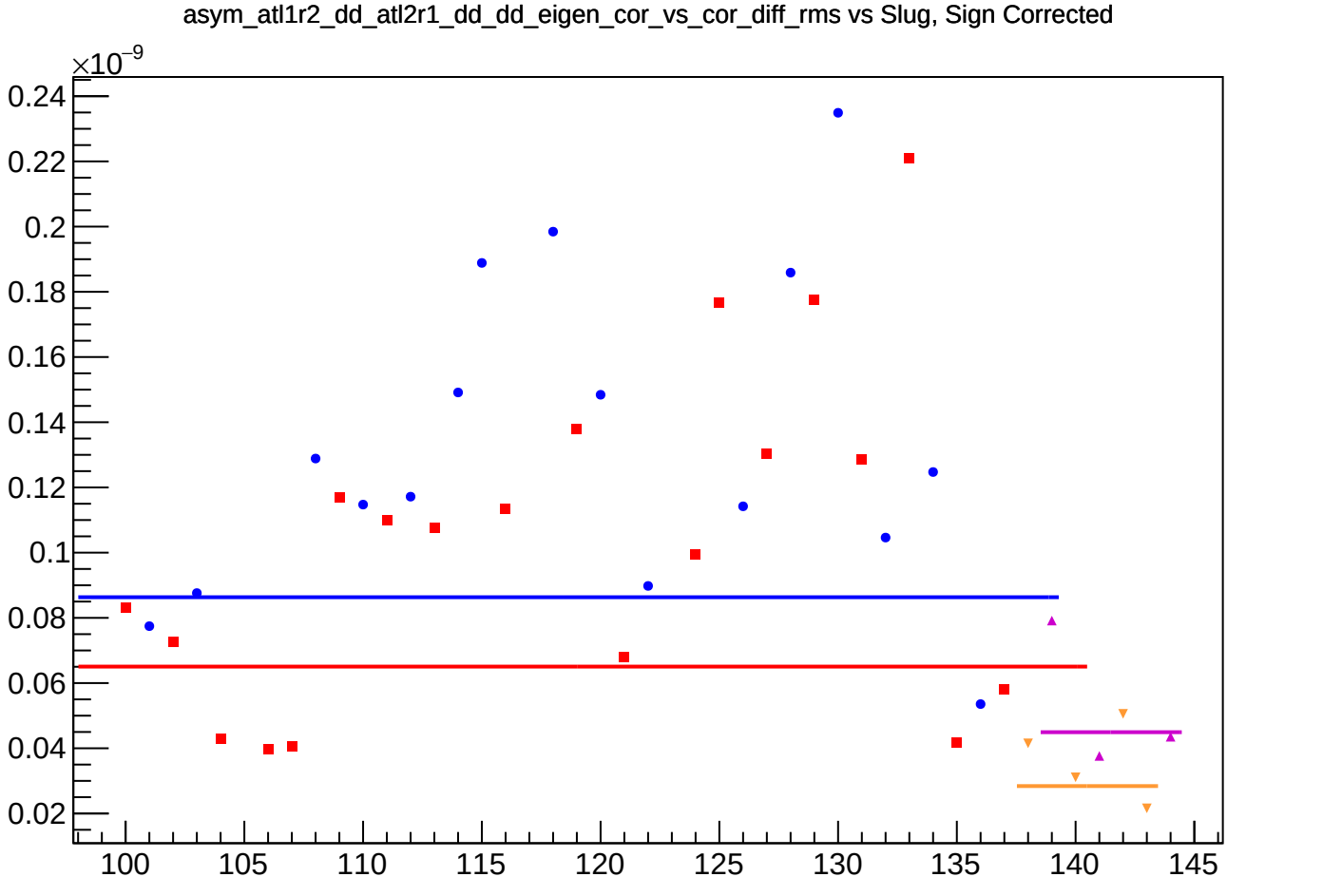
Left: 0.000+/-0.000 χ^2/NDF: 6.5/6

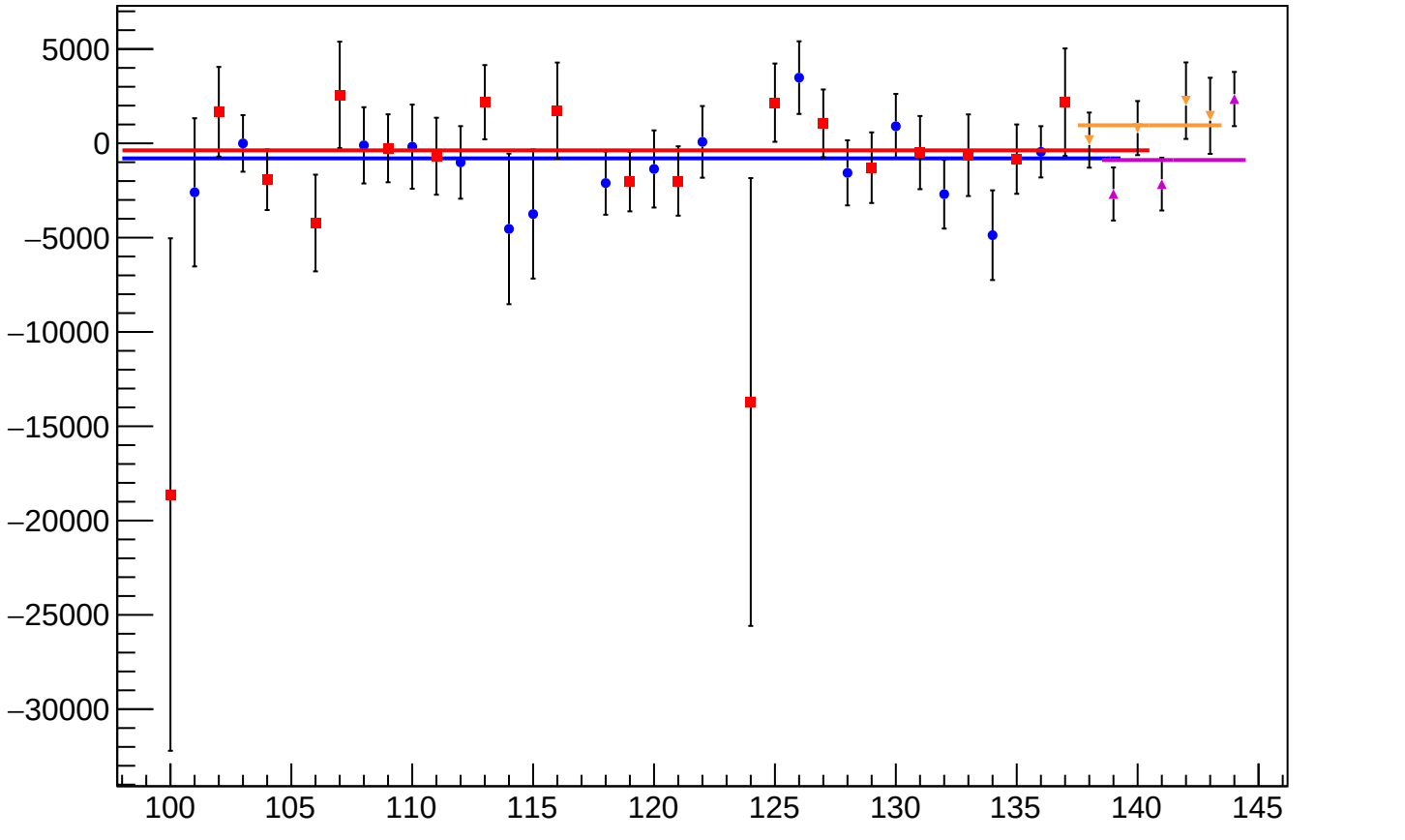
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 48.2/41


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:327111.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:258662.8/2
Left: 0.000+/-0.000 χ²/NDF: 897412.9/6
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:2927187.2/18
Out: 0.000+/-0.000 χ²/NDF:4119634.2/22
All: 0.000+/-0.000 χ²/NDF: 8023322.1/41



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 957.746+/-832.092 χ^2/NDF:0.8/3

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -883.277+/-816.390 χ^2/NDF:7.5/2

Left: 19.700+/-582.747 χ^2/NDF: 10.8/6

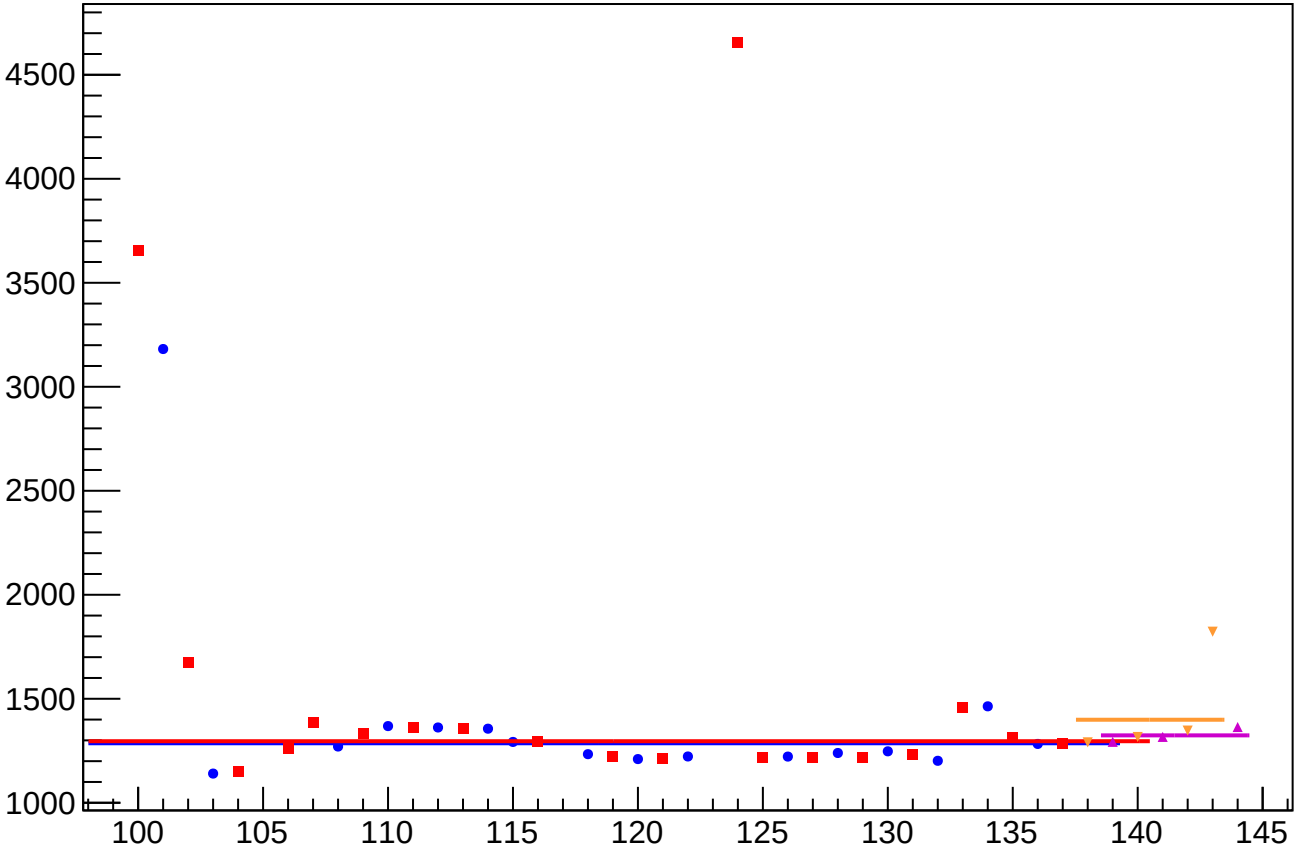
Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -819.885+/-418.525 χ^2/NDF:21.0/18

Out: -32.457+/-419.550 χ^2/NDF:18.3/22

All: -427.133+/-296.304 χ^2/NDF: 41.0/41

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

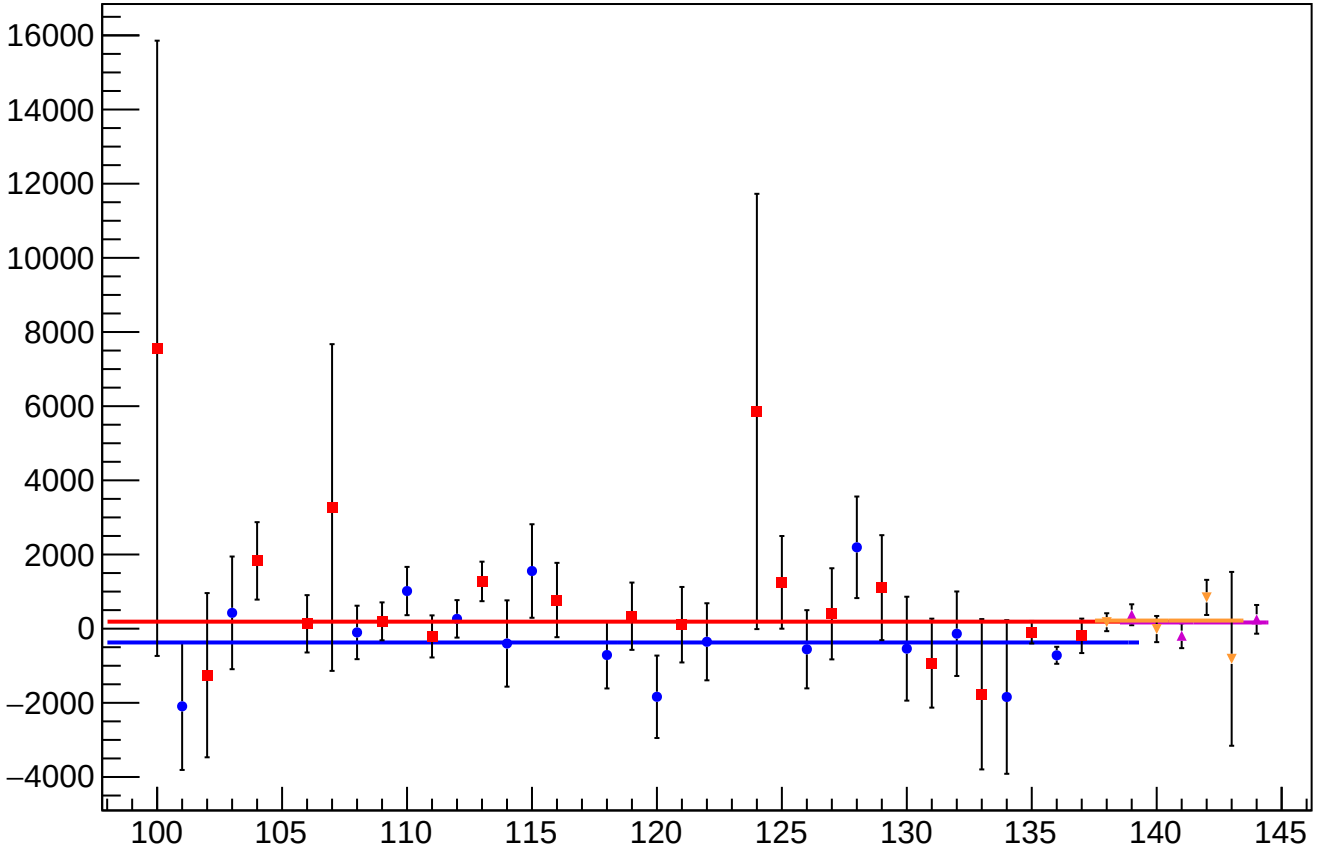
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1296.071+/-0.296 χ^2/NDF:523909.8/18

Out: 1322.190+/-0.297 χ^2/NDF:458194.9/22

All: 1309.099+/-0.210 χ^2/NDF: 985989.8/41

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: 218.459+/-183.130 χ^2/NDF:2.4/3

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 167.222+/-188.596 χ^2/NDF:1.7/2

Left: 193.594+/-131.382 χ^2/NDF: 4.1/6

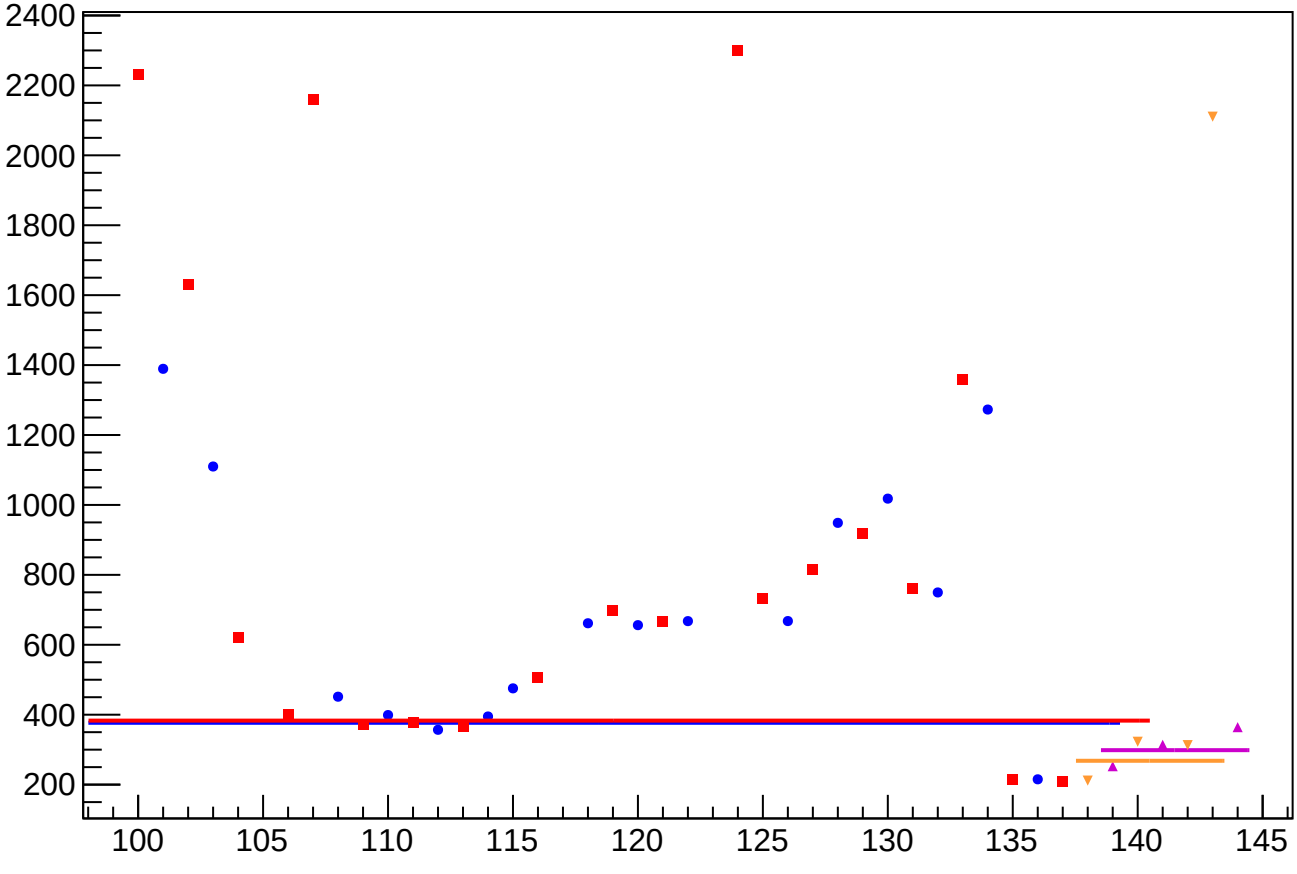
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -133.289+/-125.531 χ^2/NDF:24.4/18

Out: 202.569+/-124.424 χ^2/NDF:17.0/22

All: 36.128+/-88.370 χ^2/NDF: 45.1/41

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: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 298.554+/-0.133 χ^2/NDF:114926.9/2

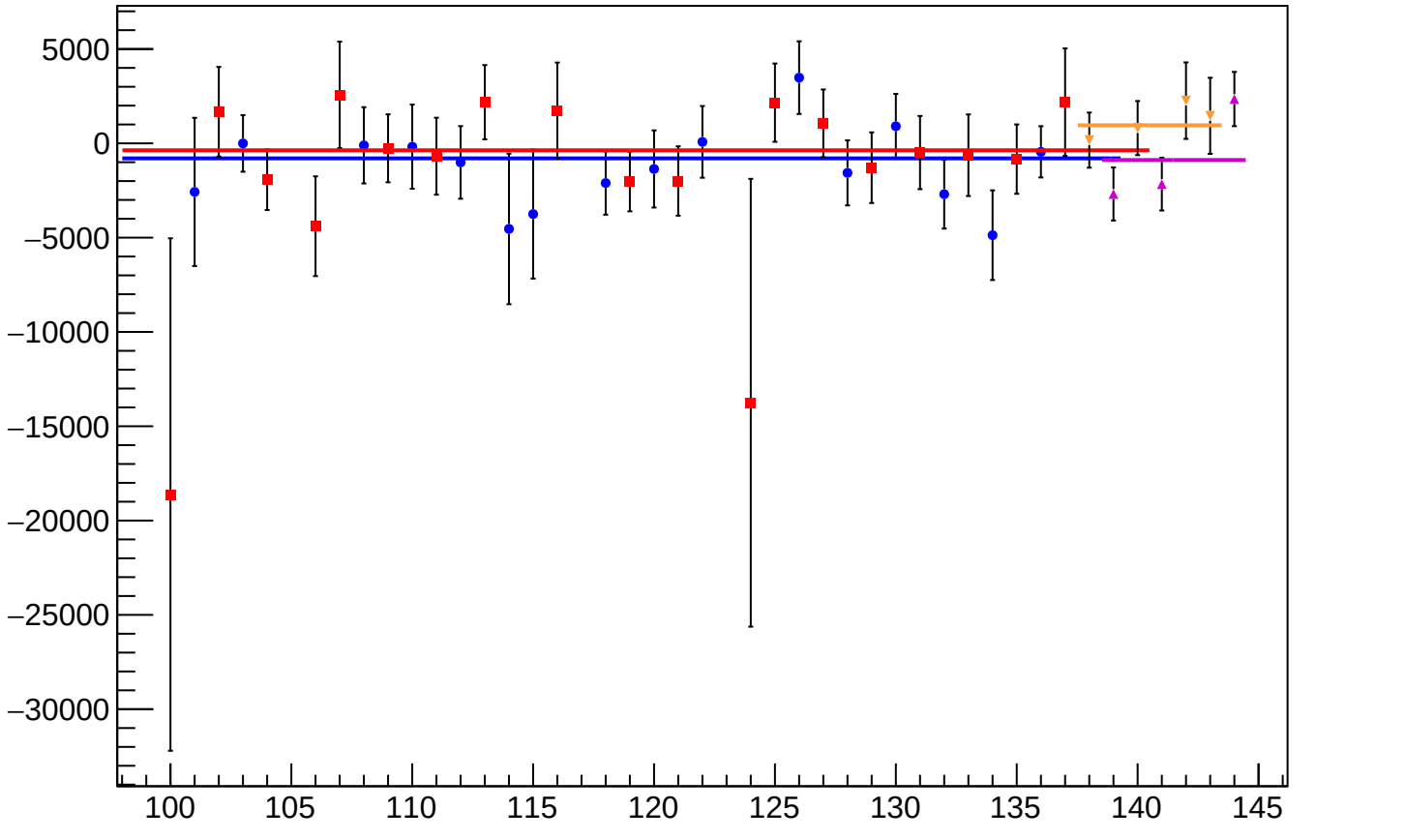
Left: 282.930+/-0.093 χ^2/NDF: 1552612.7/6

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 342.186+/-0.089 χ^2/NDF:4497315.5/18

Out: 330.045+/-0.088 χ^2/NDF:5888825.5/22

All: 336.062+/-0.062 χ^2/NDF: 10395579.3/41



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -883.358+/-816.390 χ^2/NDF:7.5/2

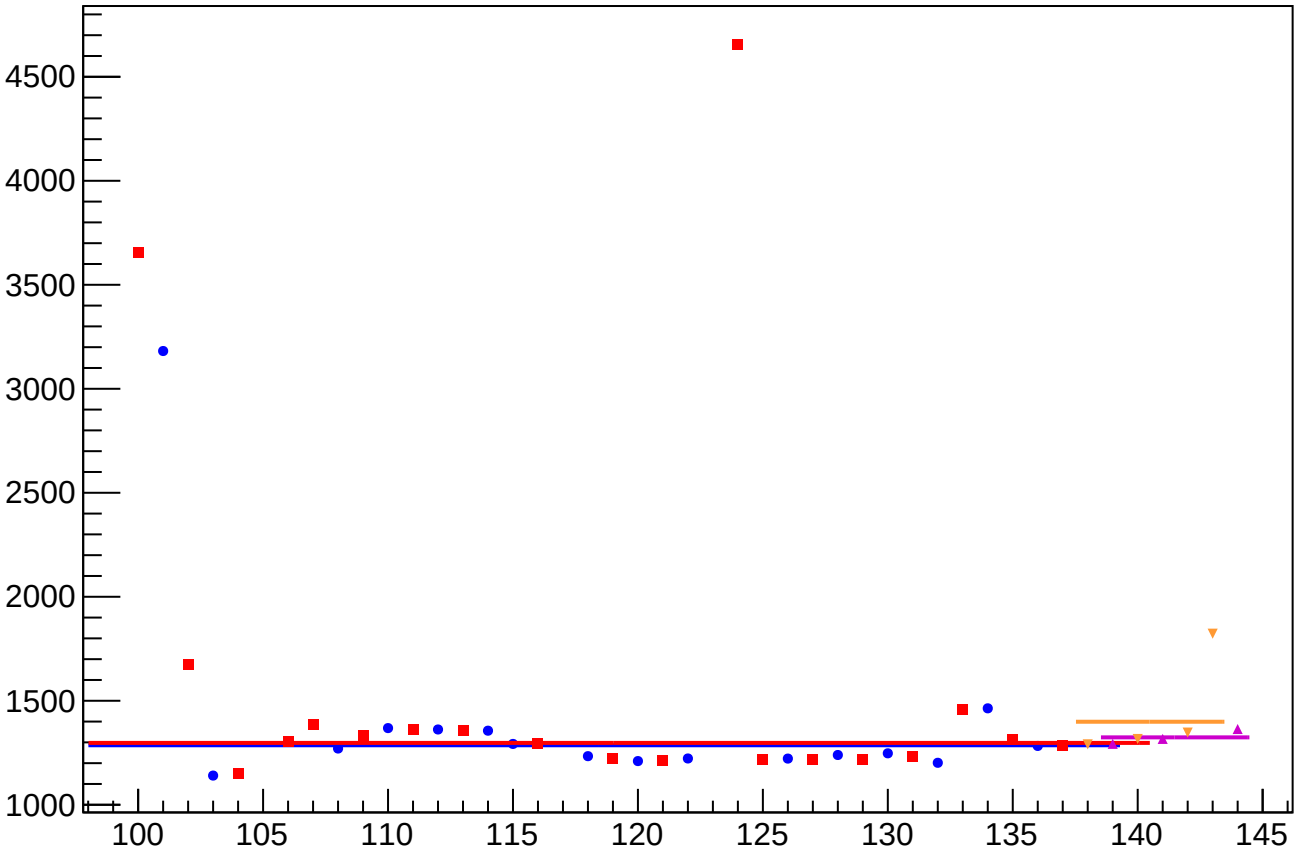
Left: 19.724+/-582.747 χ^2/NDF: 10.8/6

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -819.610+/-418.525 χ^2/NDF:20.9/18

Out: -29.992+/-419.886 χ^2/NDF:18.3/22

All: -426.083+/-296.422 χ^2/NDF: 41.1/41



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

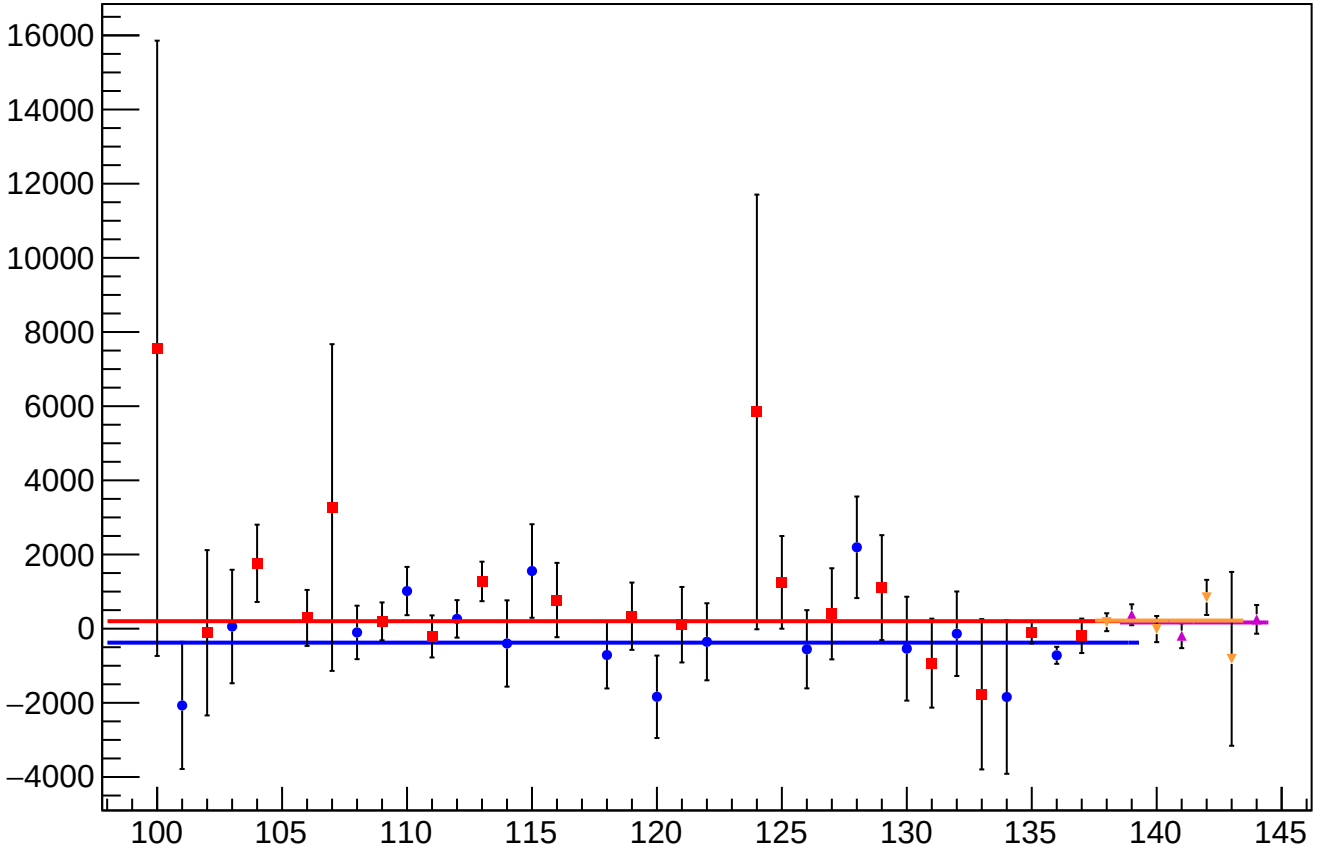
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1296.071+/-0.296 χ^2/NDF:523911.3/18

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1309.648+/-0.210 χ^2/NDF: 985348.1/41

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: 218.559+/-183.137 χ^2/NDF:2.4/3

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 167.310+/-188.596 χ^2/NDF:1.7/2

Left: 193.687+/-131.385 χ^2/NDF: 4.1/6

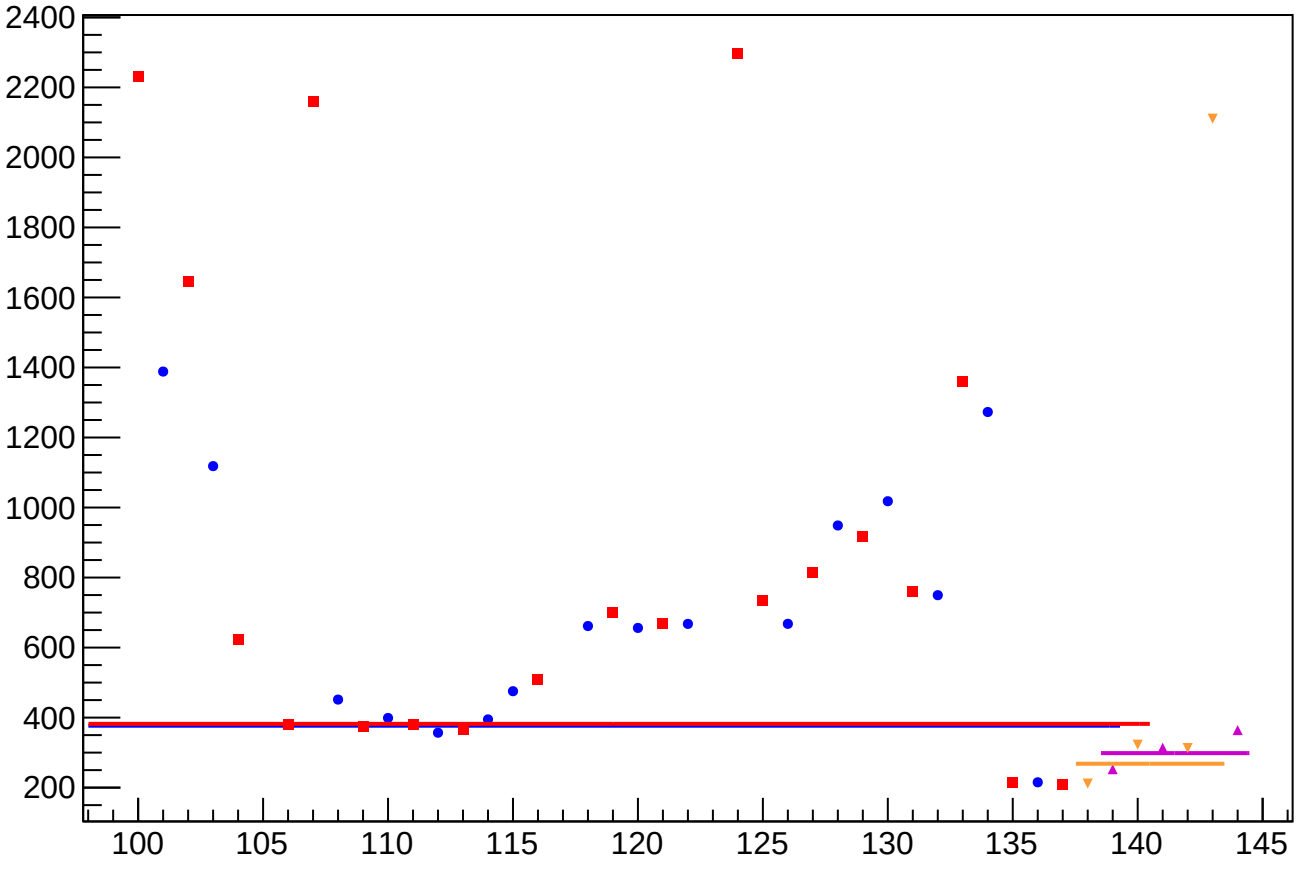
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -135.694+/-125.539 χ^2/NDF:24.3/18

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 38.655+/-88.345 χ^2/NDF: 44.6/41

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

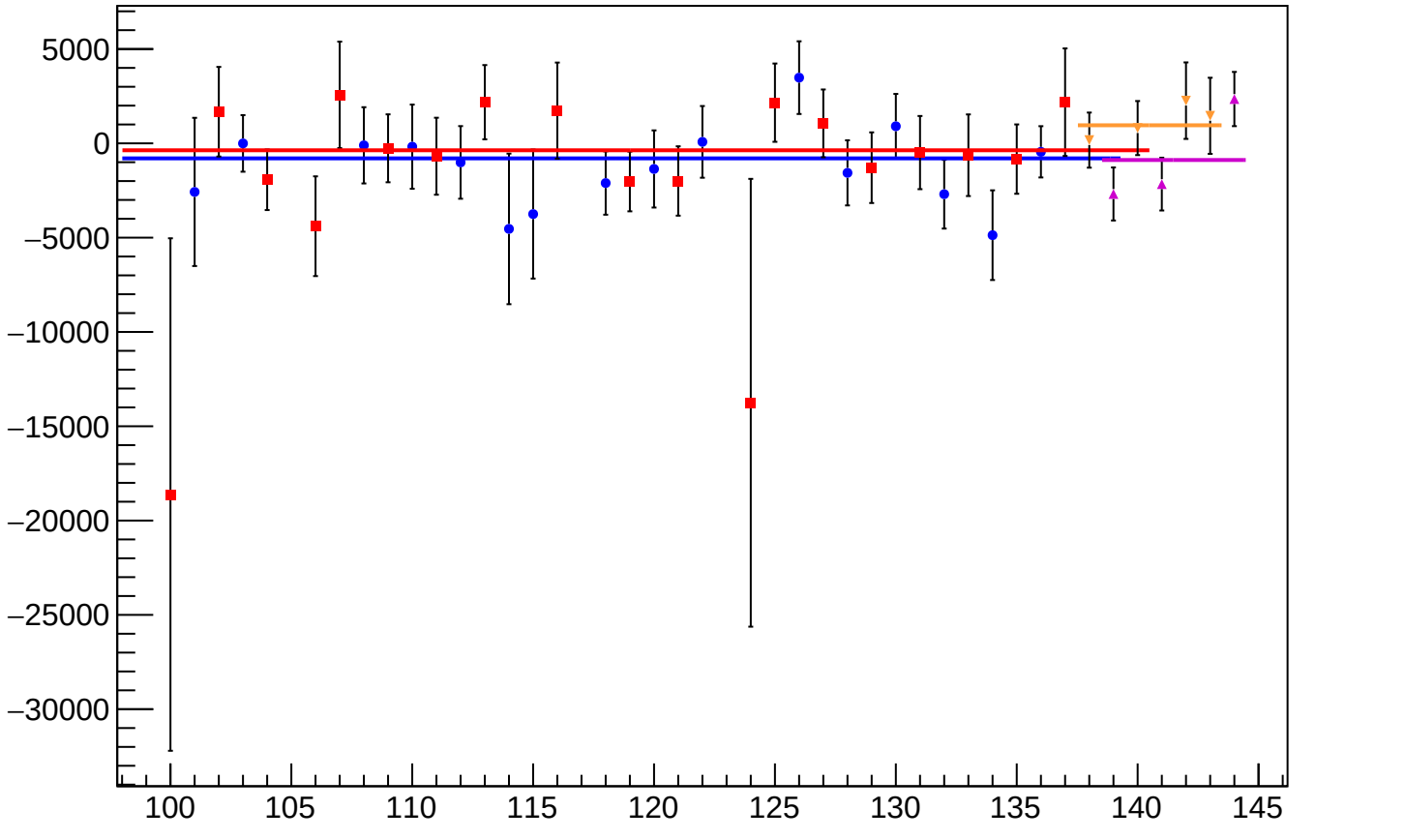
Left: 282.937+/-0.093 χ^2/NDF: 1552590.1/6

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 342.177+/-0.089 χ^2/NDF:4500369.8/18

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 335.835+/-0.062 χ^2/NDF: 10398256.0/41



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 957.880+/-832.092 χ^2/NDF:0.8/3

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -883.358+/-816.390 χ^2/NDF:7.5/2

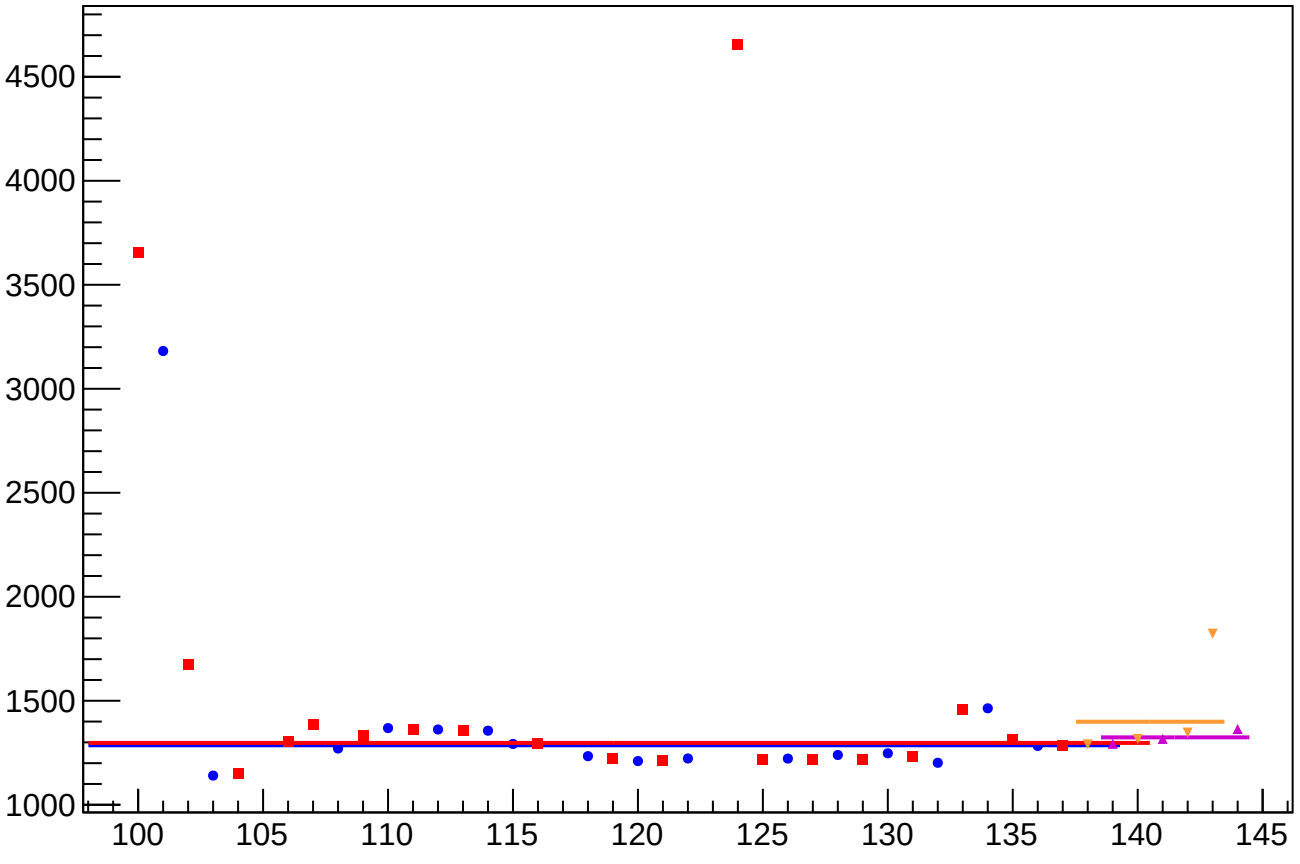
Left: 19.724+/-582.747 χ^2/NDF: 10.8/6

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -819.610+/-418.525 χ^2/NDF:20.9/18

Out: -29.992+/-419.886 χ^2/NDF:18.3/22

All: -426.083+/-296.422 χ^2/NDF: 41.1/41



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1324.049+/-0.577 χ^2/NDF:2596.7/2

Left: 1360.902+/-0.412 χ^2/NDF: 118068.4/6

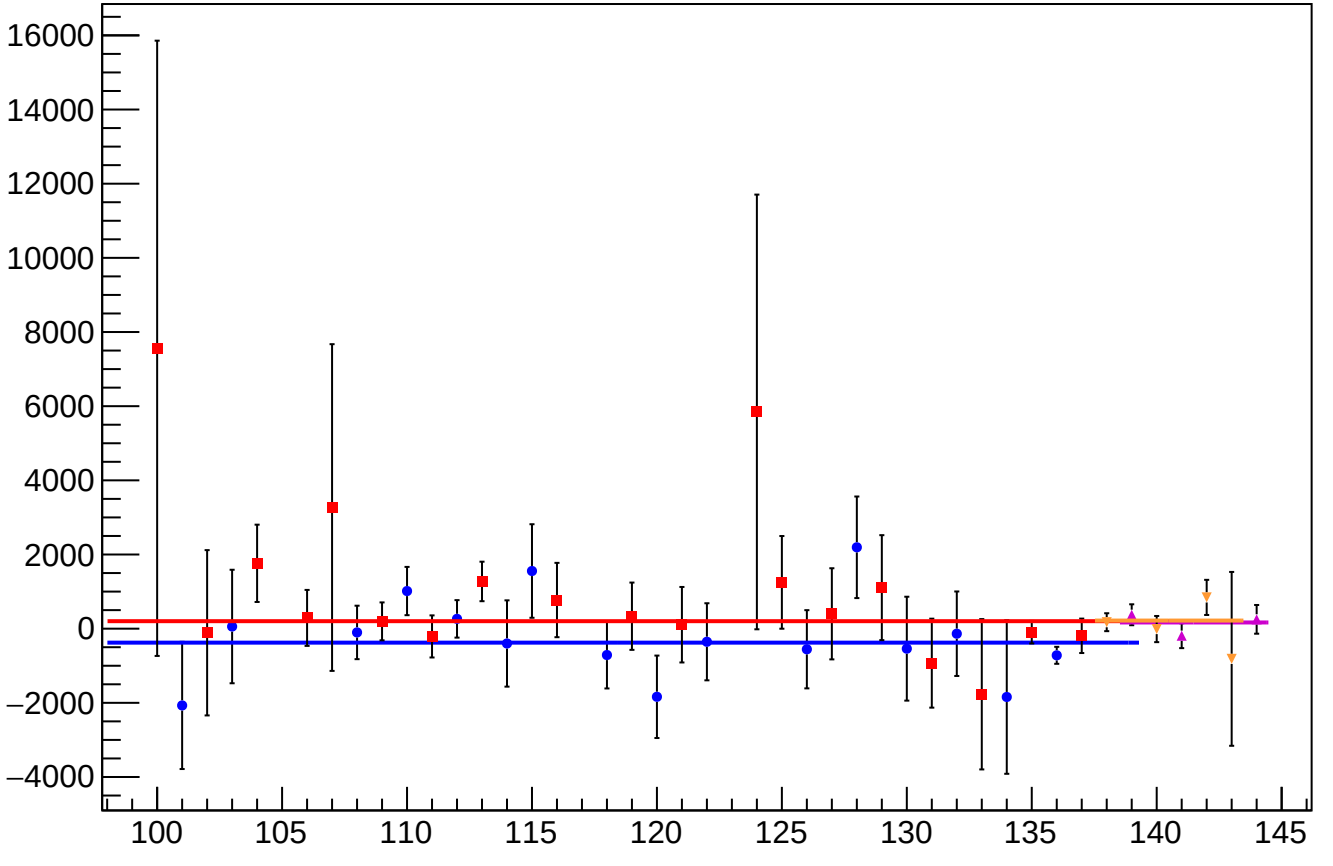
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1296.071+/-0.296 χ^2/NDF:523911.3/18

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1309.648+/-0.210 χ^2/NDF: 985348.1/41

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: 218.559+/-183.137 χ^2/NDF:2.4/3

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 167.310+/-188.596 χ^2/NDF:1.7/2

Left: 193.687+/-131.385 χ^2/NDF: 4.1/6

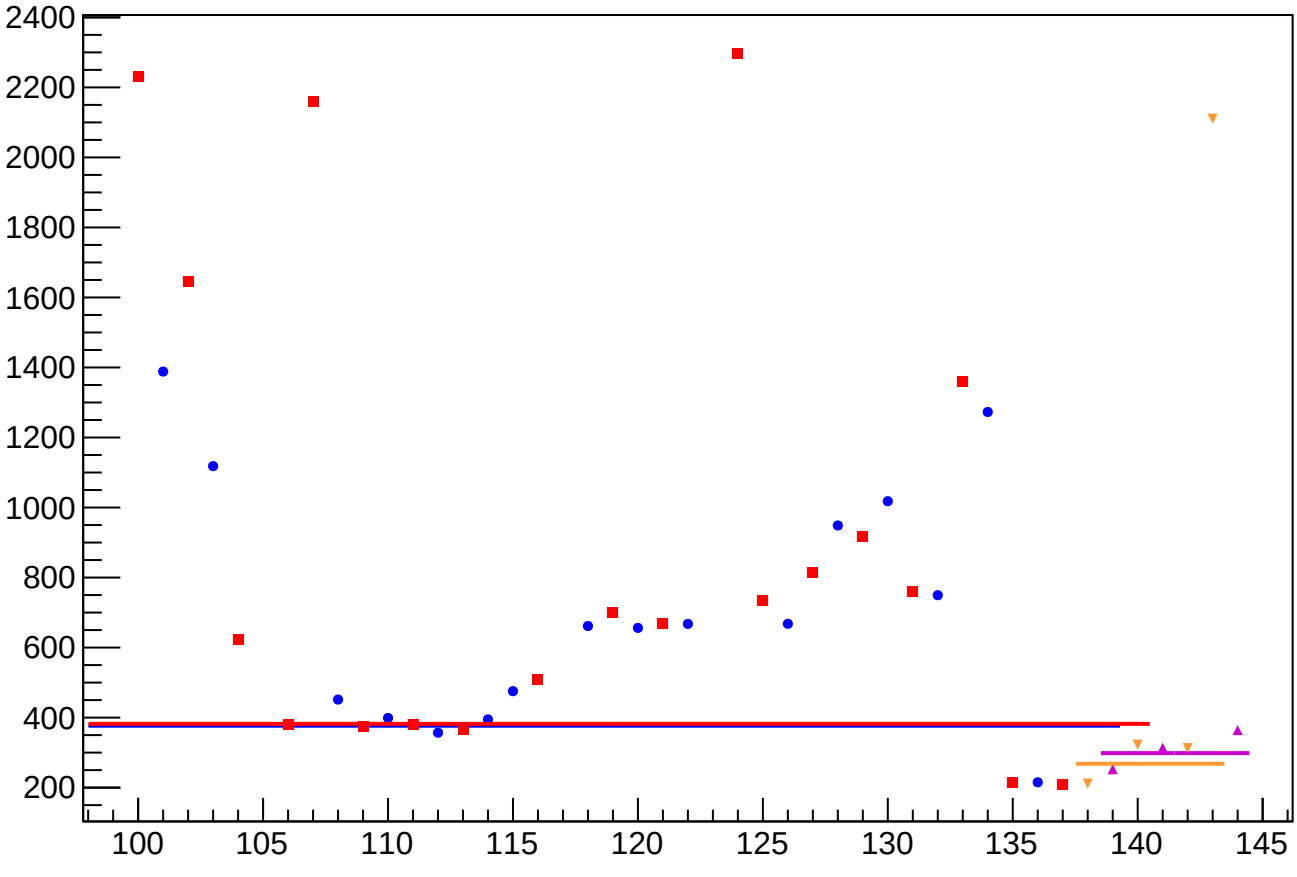
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -135.694+/-125.539 χ^2/NDF:24.3/18

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 38.655+/-88.345 χ^2/NDF: 44.6/41

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 298.554+/-0.133 χ^2/NDF:114906.5/2

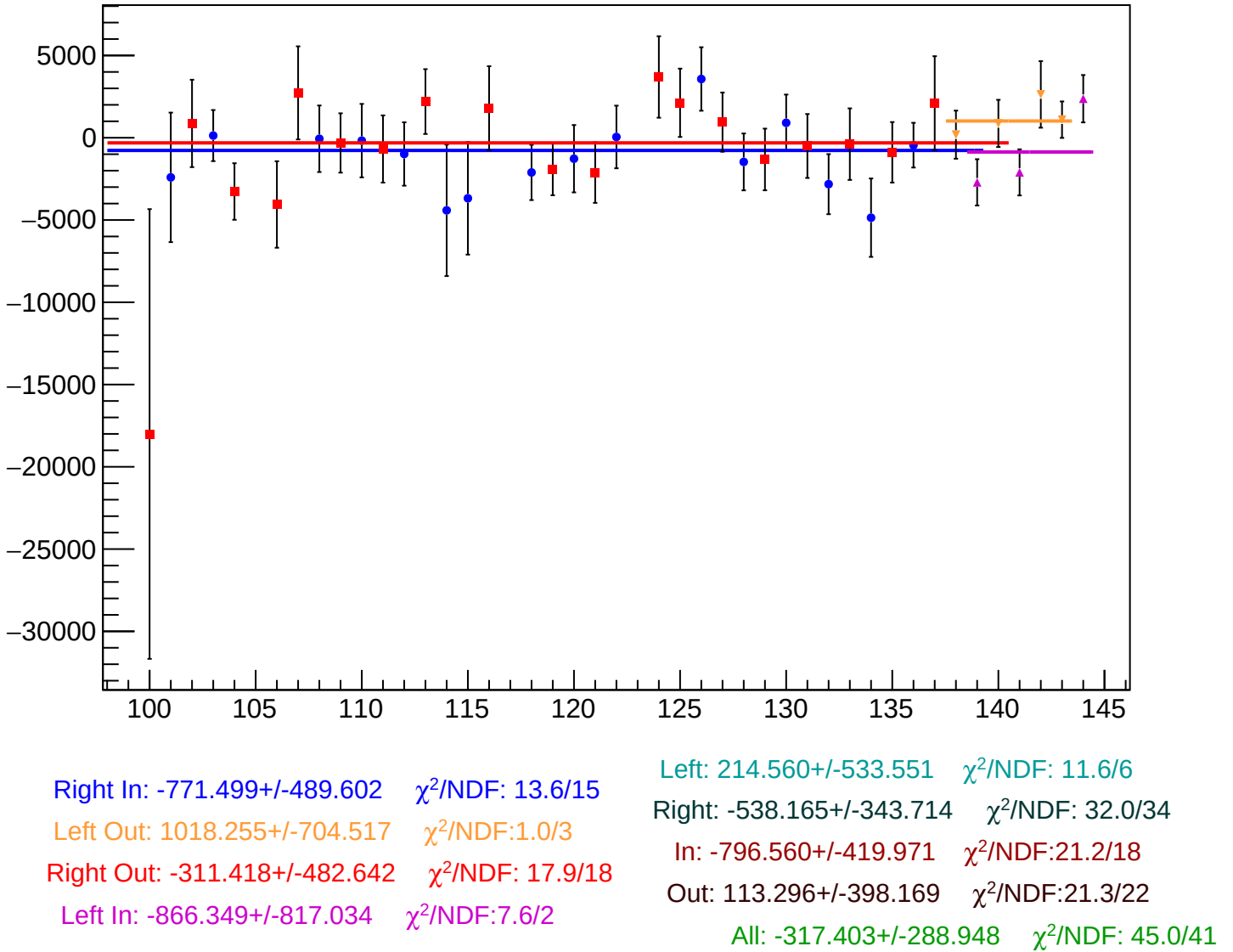
Left: 282.937+/-0.093 χ^2/NDF: 1552590.1/6

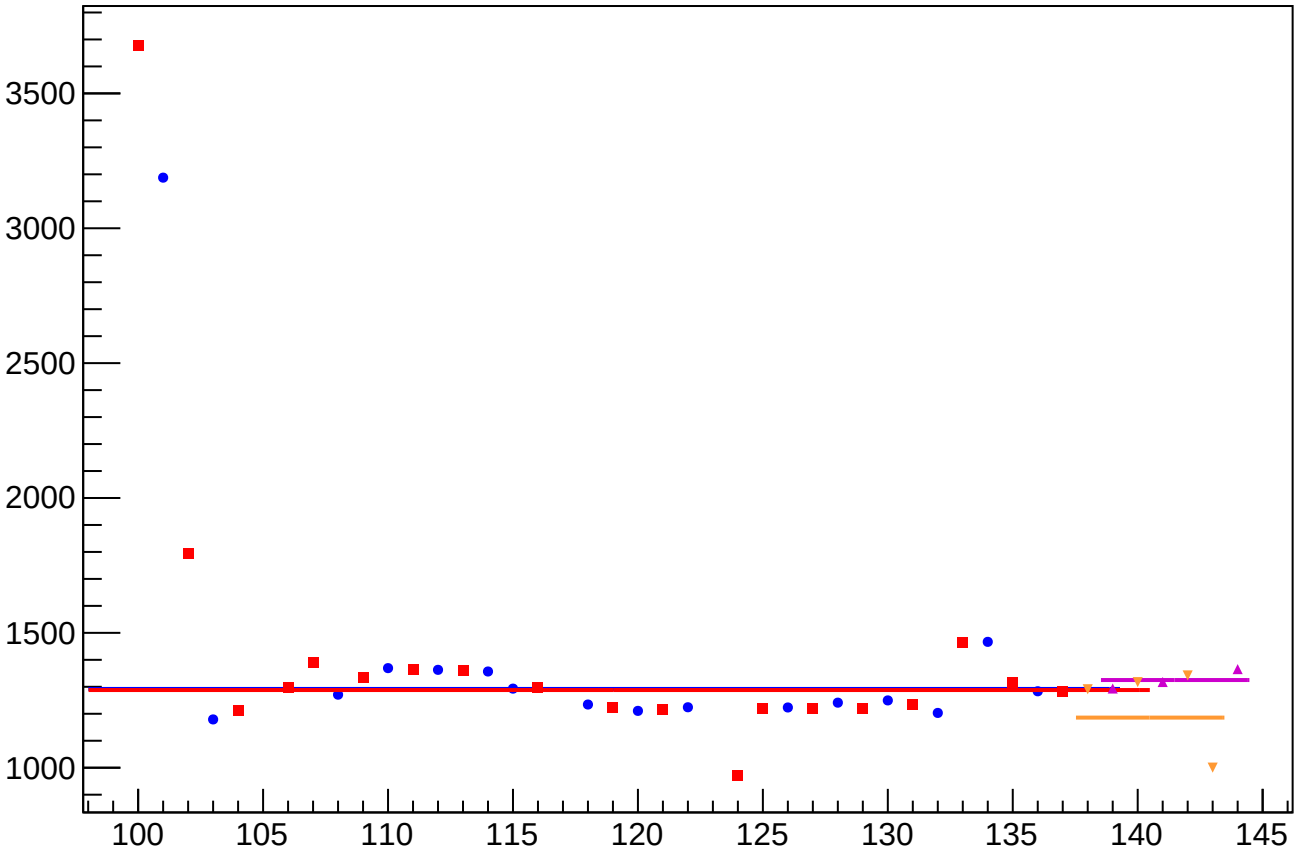
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 342.177+/-0.089 χ^2/NDF:4500369.8/18

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 335.835+/-0.062 χ^2/NDF: 10398256.0/41


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.255+/-704.517 χ²/NDF:1.0/3
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -866.349+/-817.034 χ²/NDF:7.6/2
Left: 214.560+/-533.551 χ²/NDF: 11.6/6
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -796.560+/-419.971 χ²/NDF:21.2/18
Out: 113.296+/-398.169 χ²/NDF:21.3/22
All: -317.403+/-288.948 χ²/NDF: 45.0/41



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

Left: 1245.200+/-0.377 χ^2/NDF: 131200.7/6

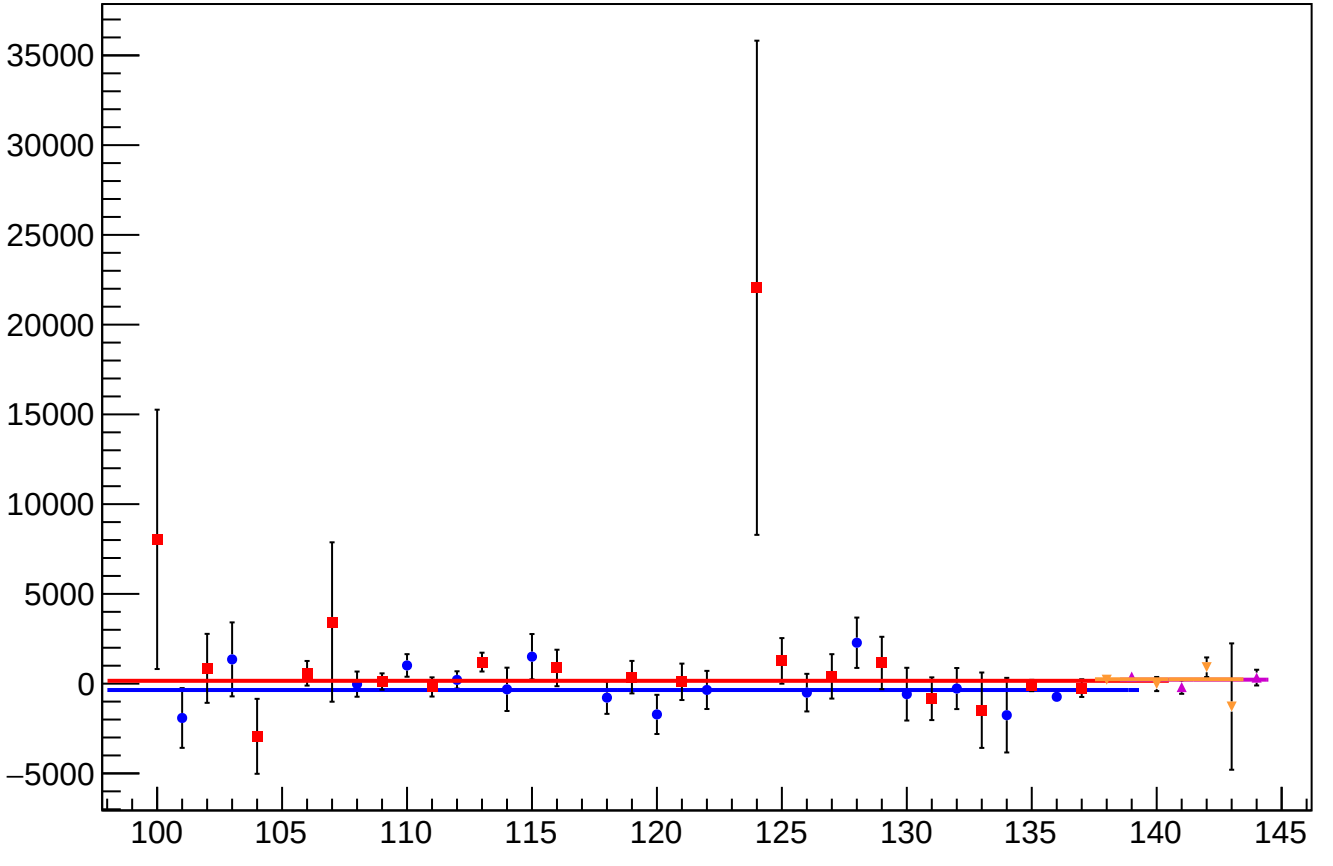
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1300.768+/-0.297 χ^2/NDF:514446.6/18

Out: 1255.350+/-0.282 χ^2/NDF:333078.0/22

All: 1276.850+/-0.204 χ^2/NDF: 859843.1/41

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: 243.344+/-193.368 χ^2/NDF:2.2/3

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 221.121+/-199.020 χ^2/NDF:1.6/2

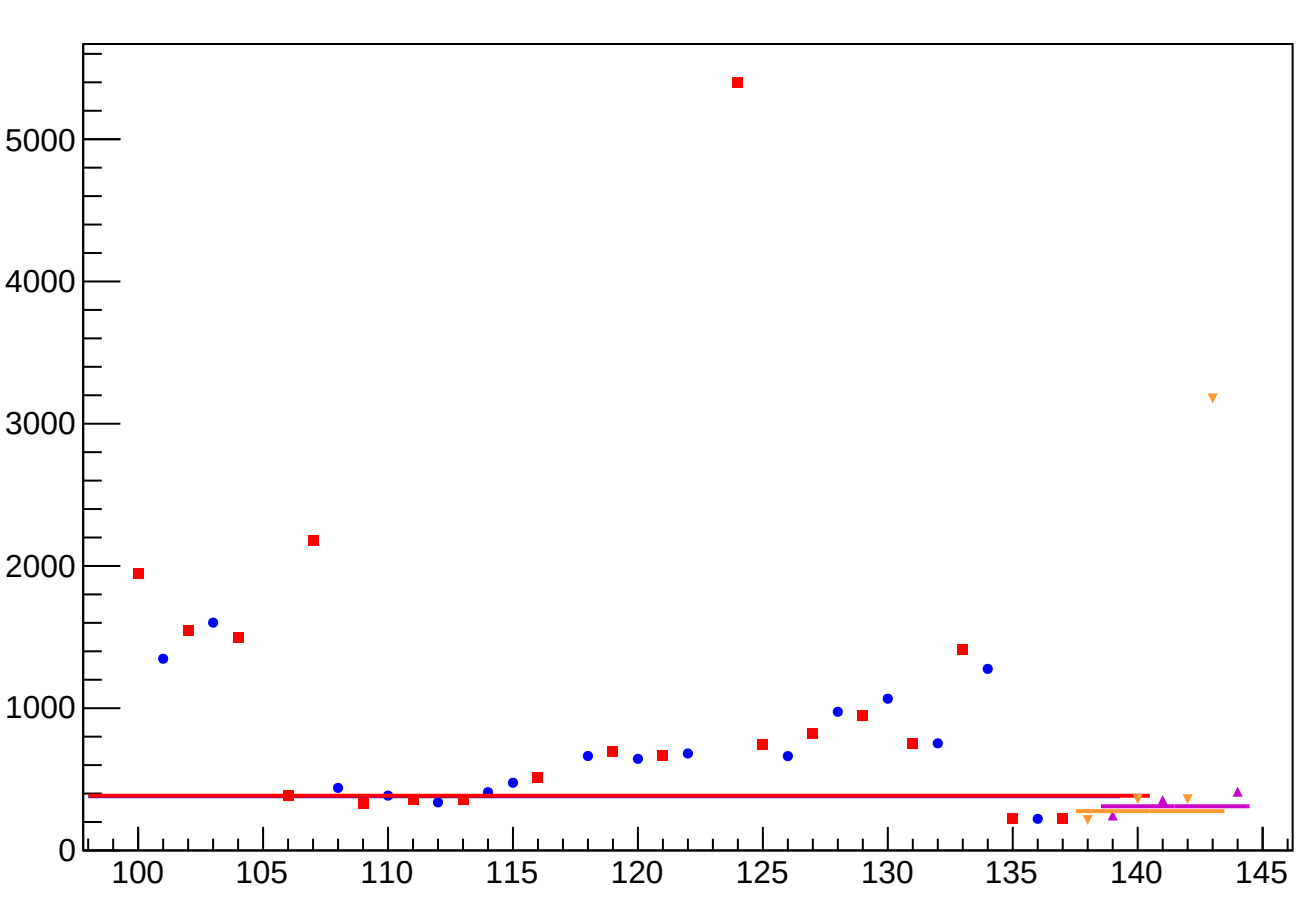
Left: 232.553+/-138.687 χ^2/NDF: 3.8/6

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -112.147+/-129.249 χ^2/NDF:24.9/18

Out: 195.080+/-127.532 χ^2/NDF:18.1/22

All: 43.521+/-90.780 χ^2/NDF: 45.9/41



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 276.288+/-0.137 χ^2/NDF:1628852.6/3

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 310.495+/-0.141 χ^2/NDF:245603.0/2

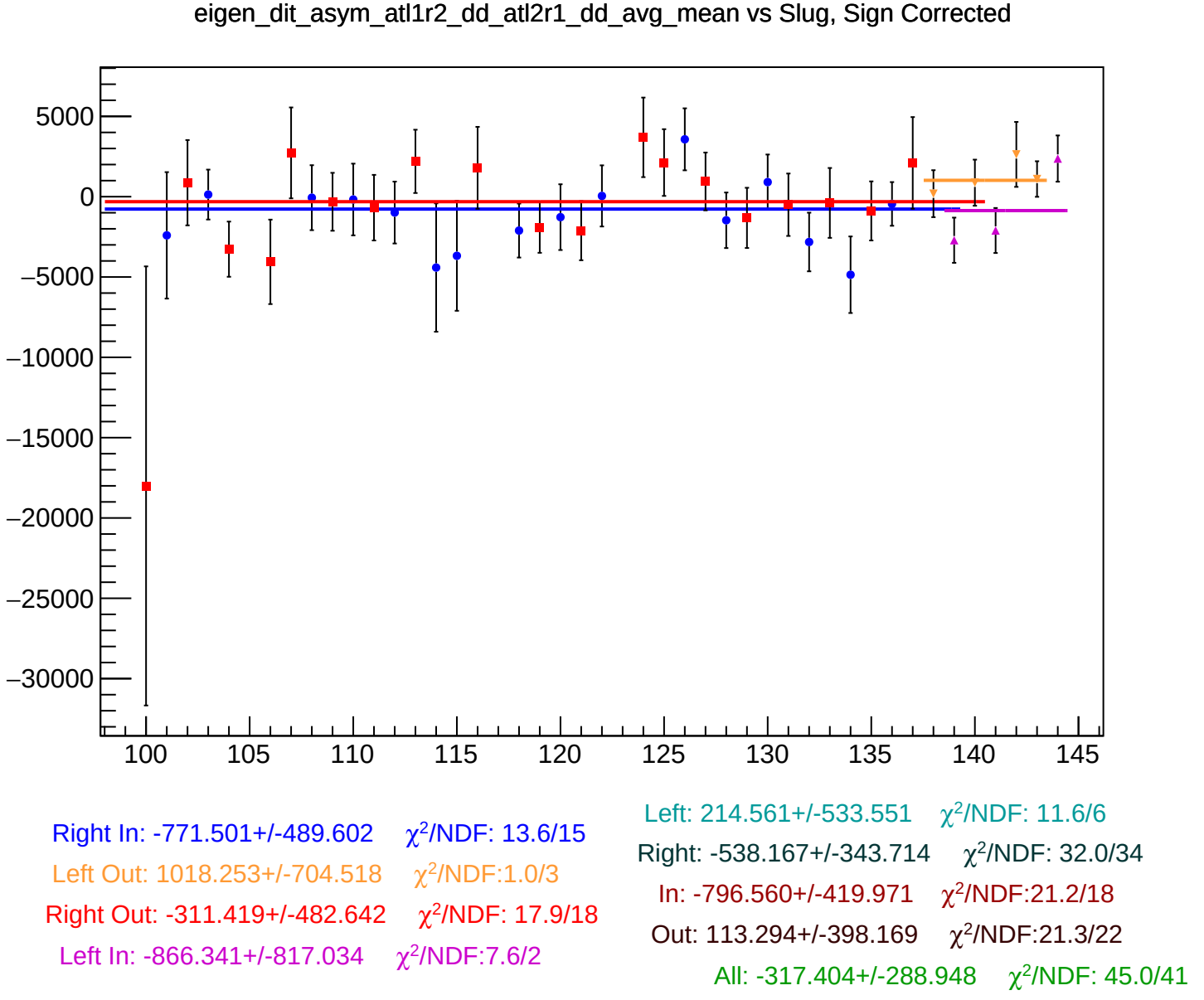
Left: 292.899+/-0.098 χ^2/NDF: 1904849.0/6

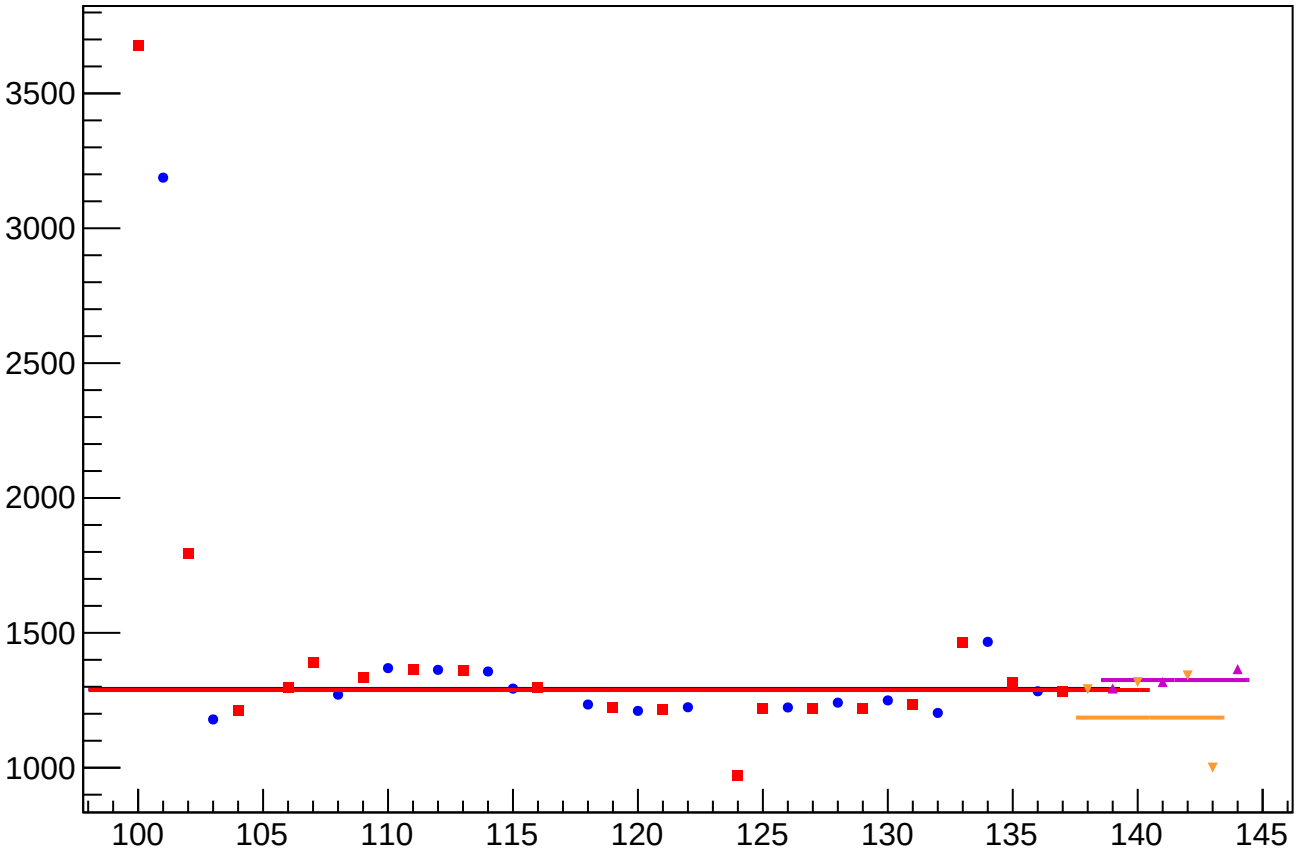
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 351.466+/-0.091 χ^2/NDF:4710104.3/18

Out: 337.514+/-0.090 χ^2/NDF:6543941.8/22

All: 344.397+/-0.064 χ^2/NDF: 11265853.5/41


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.253+/-704.518 χ²/NDF:1.0/3
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -866.341+/-817.034 χ²/NDF:7.6/2
Left: 214.561+/-533.551 χ²/NDF: 11.6/6
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -796.560+/-419.971 χ²/NDF:21.2/18
Out: 113.294+/-398.169 χ²/NDF:21.3/22
All: -317.404+/-288.948 χ²/NDF: 45.0/41



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95234.6/3

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1325.081+/-0.578 χ^2/NDF:2633.4/2

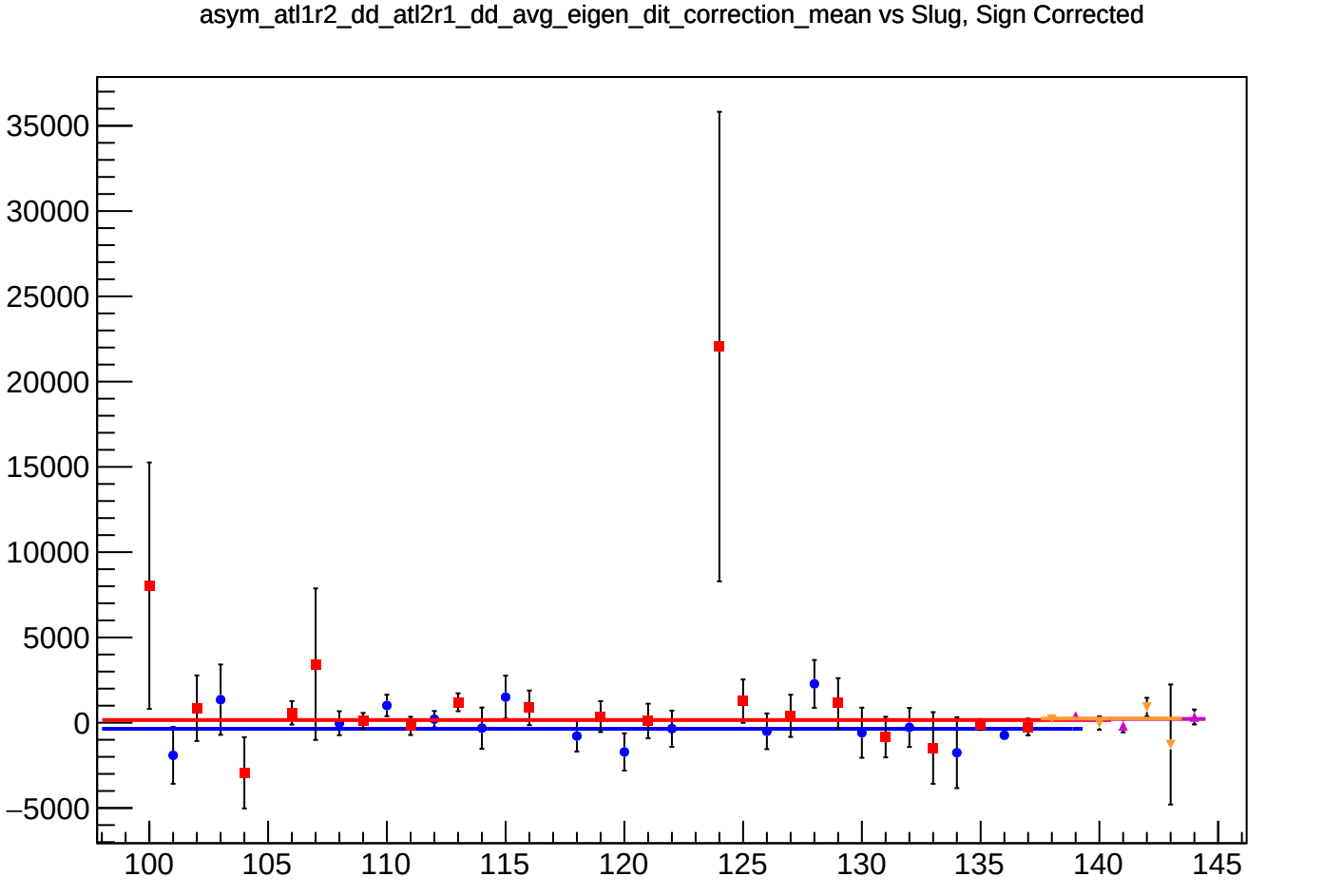
Left: 1245.200+/-0.377 χ^2/NDF: 131199.9/6

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

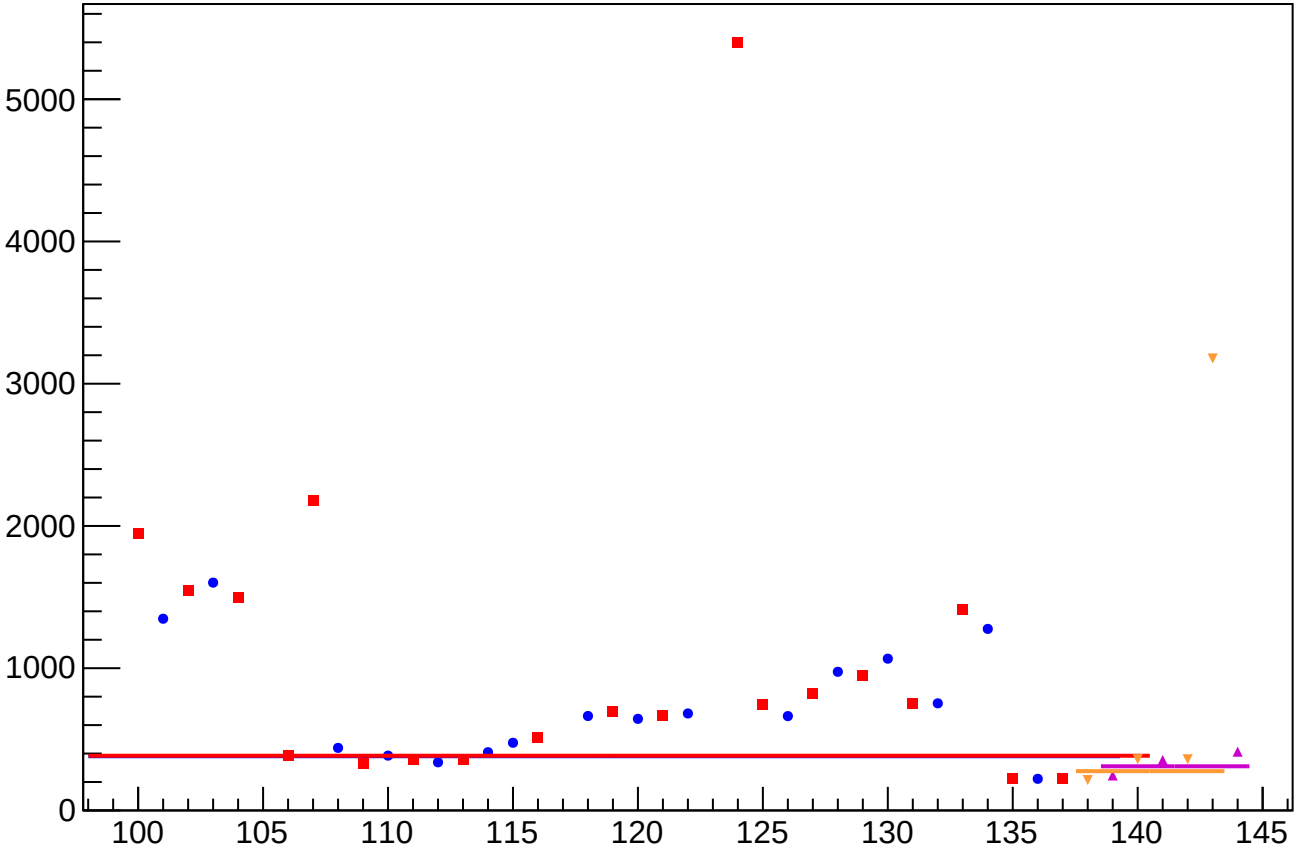
In: 1300.768+/-0.297 χ^2/NDF:514446.6/18

Out: 1255.350+/-0.282 χ^2/NDF:333077.4/22

All: 1276.850+/-0.204 χ^2/NDF: 859842.4/41


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
105
110
115
120
125
130
135
140
145
Right In: -355.226+/-169.973 χ²/NDF: 18.4/15
Left Out: 243.355+/-193.376 χ²/NDF:2.2/3
Right Out: 157.929+/-169.667 χ²/NDF: 15.8/18
Left In: 221.125+/-199.027 χ²/NDF:1.6/2
Left: 232.561+/-138.692 χ²/NDF: 3.8/6
Right: -98.185+/-120.081 χ²/NDF: 38.8/34
In: -112.150+/-129.253 χ²/NDF:24.9/18
Out: 195.087+/-127.536 χ²/NDF:18.1/22
All: 43.522+/-90.782 χ²/NDF: 45.9/41

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: 276.302+/-0.137 χ^2/NDF:1628791.9/3

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 310.509+/-0.141 χ^2/NDF:245546.3/2

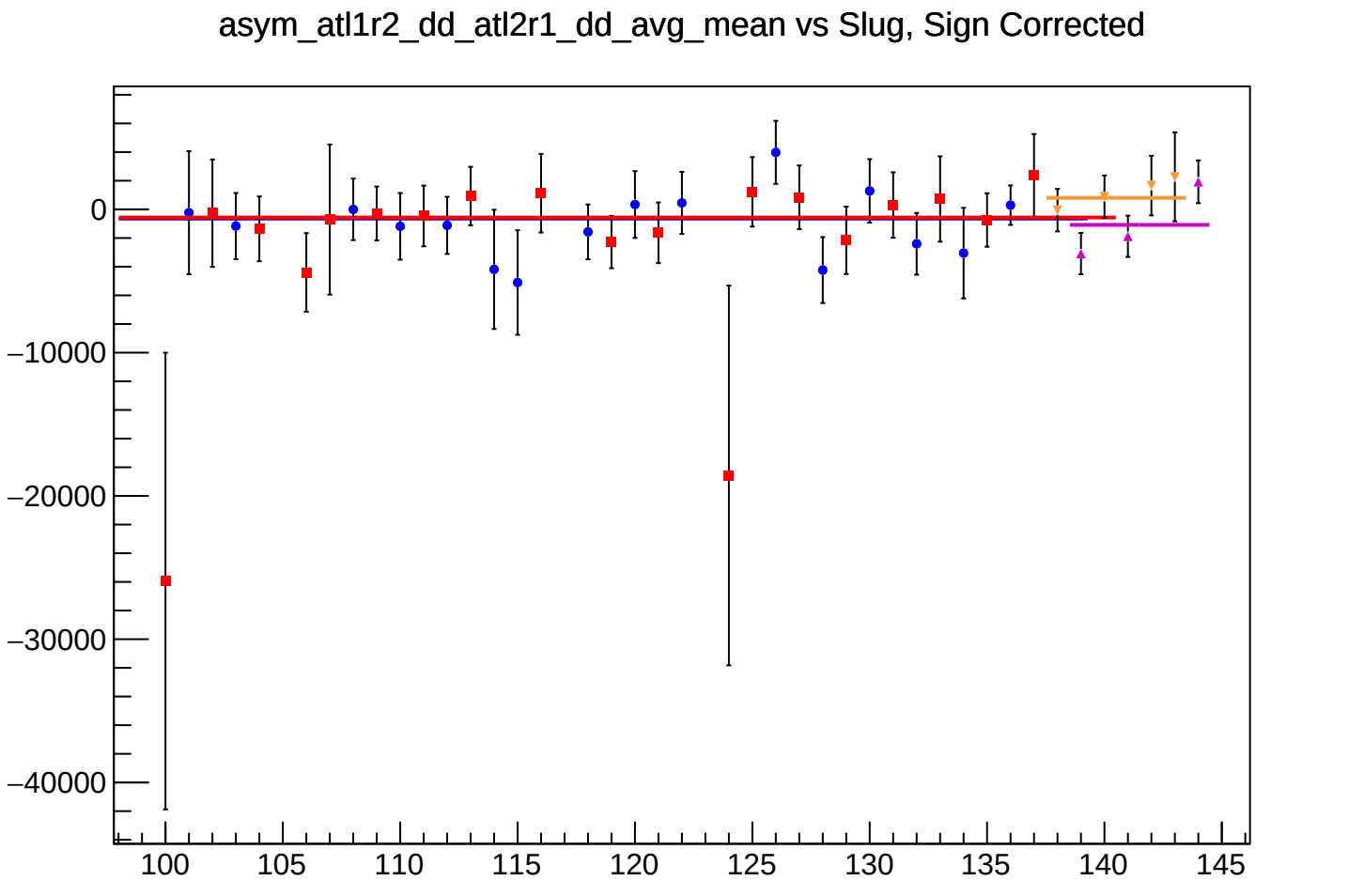
Left: 292.913+/-0.098 χ^2/NDF: 1904727.7/6

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 351.478+/-0.091 χ^2/NDF:4709841.4/18

Out: 337.527+/-0.090 χ^2/NDF:6543678.6/22

All: 344.409+/-0.064 χ^2/NDF: 11265326.6/41



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 801.685+/-895.374 χ^2/NDF:0.7/3

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1080.724+/-841.469 χ^2/NDF:6.3/2

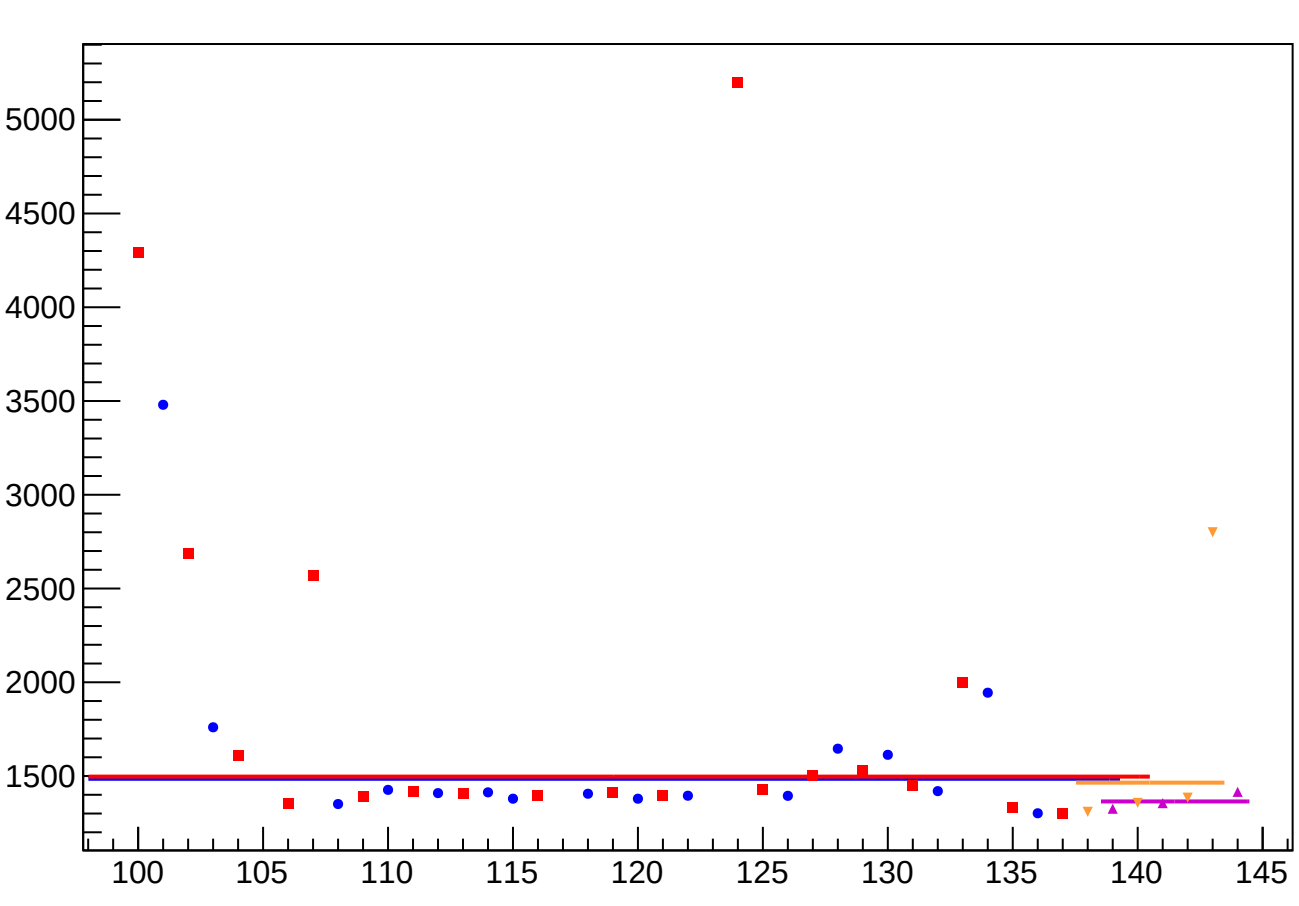
Left: -197.886+/-613.180 χ^2/NDF: 9.4/6

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -777.309+/-468.708 χ^2/NDF:19.0/18

Out: -175.645+/-478.893 χ^2/NDF:13.7/22

All: -482.943+/-334.970 χ^2/NDF: 33.5/41



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1364.434+/-0.595 χ^2/NDF:3888.0/2

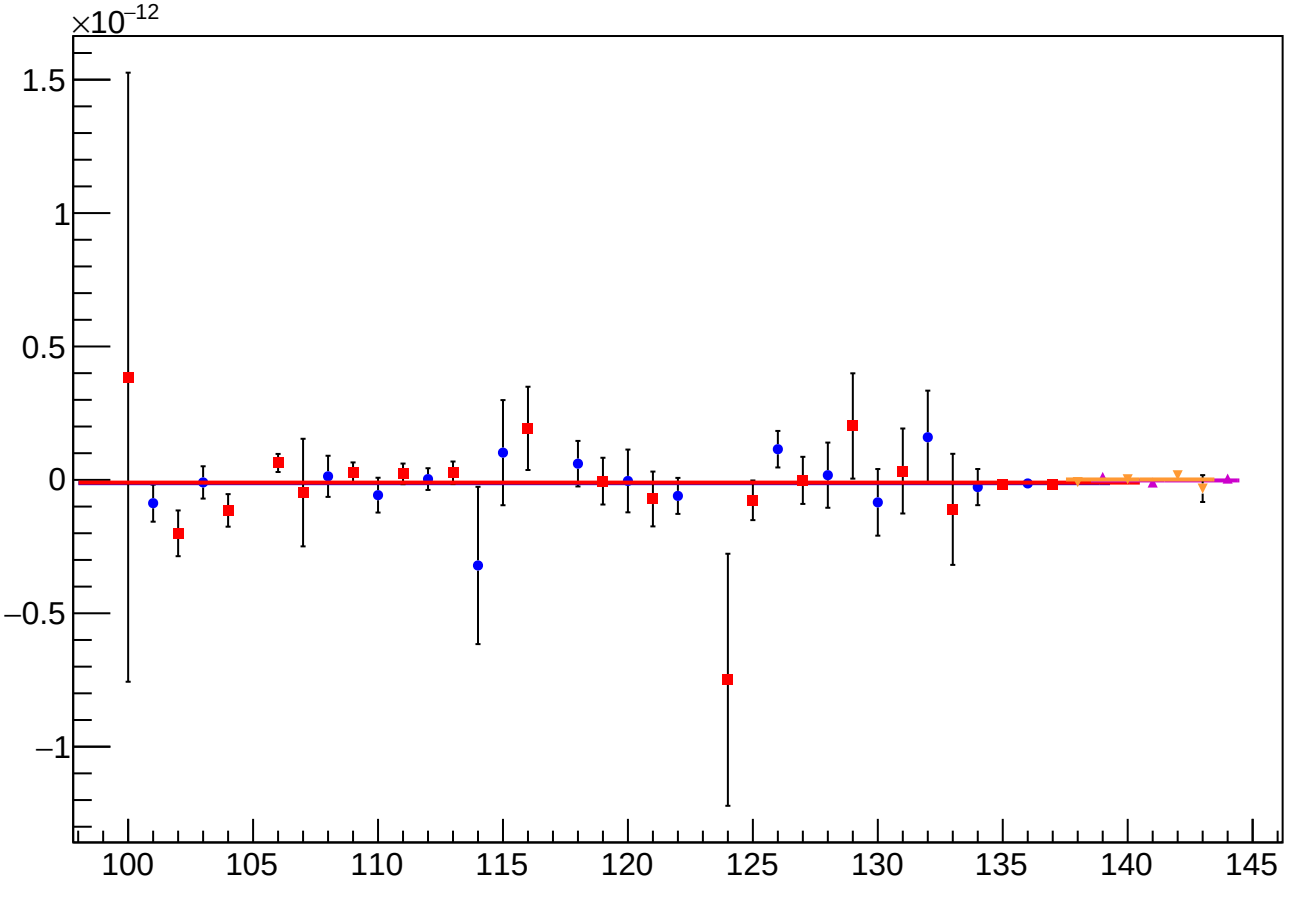
Left: 1411.468+/-0.434 χ^2/NDF: 423210.2/6

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1447.848+/-0.331 χ^2/NDF:616851.7/18

Out: 1487.670+/-0.339 χ^2/NDF:1031132.0/22

All: 1467.331+/-0.237 χ^2/NDF: 1655046.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/2

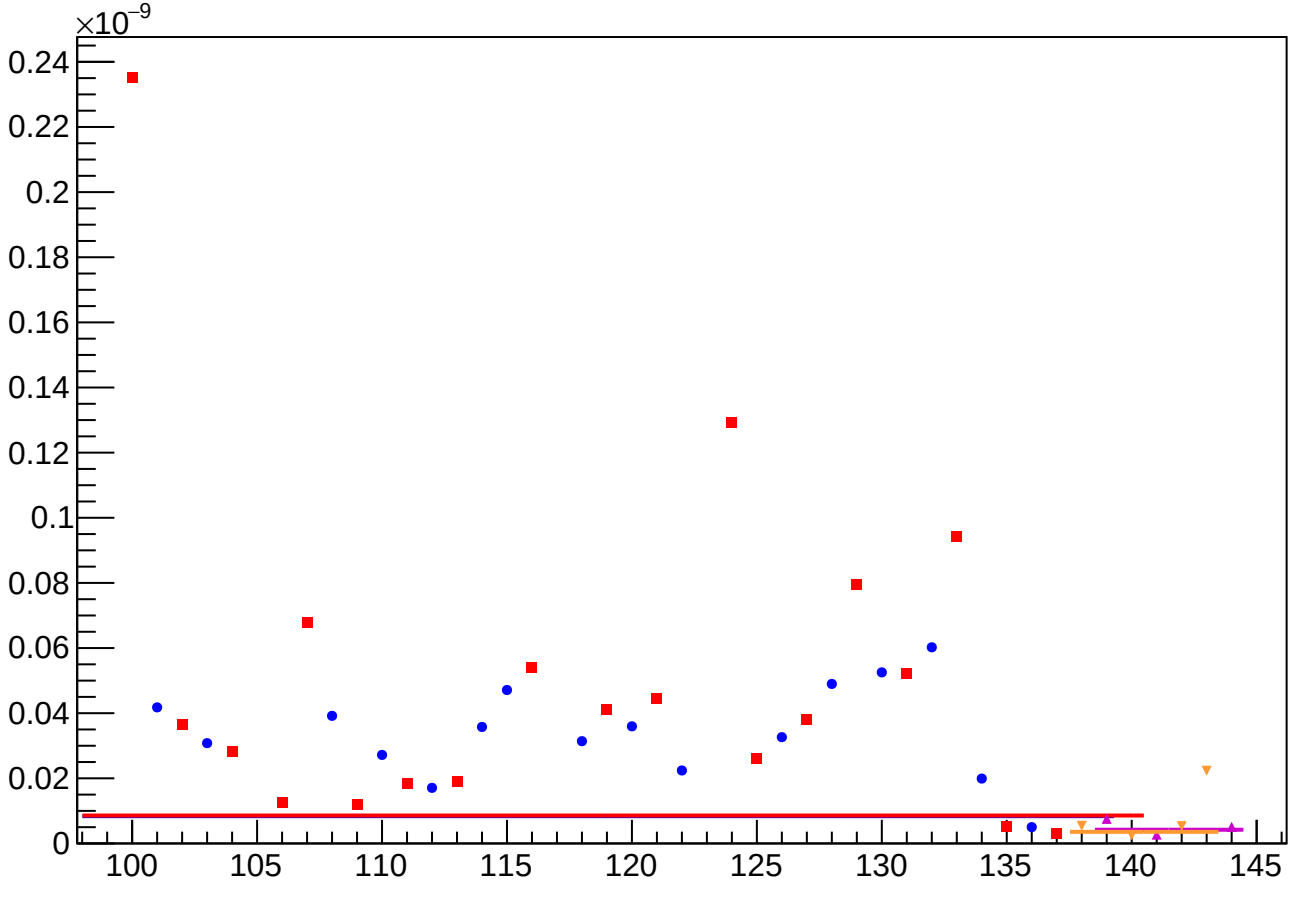
Left: -0.000+/-0.000 χ^2/NDF: 8.1/6

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:14.9/18

Out: -0.000+/-0.000 χ^2/NDF:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 43.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:352869.2/2

Left: 0.000+/-0.000 χ^2/NDF: 886937.3/6

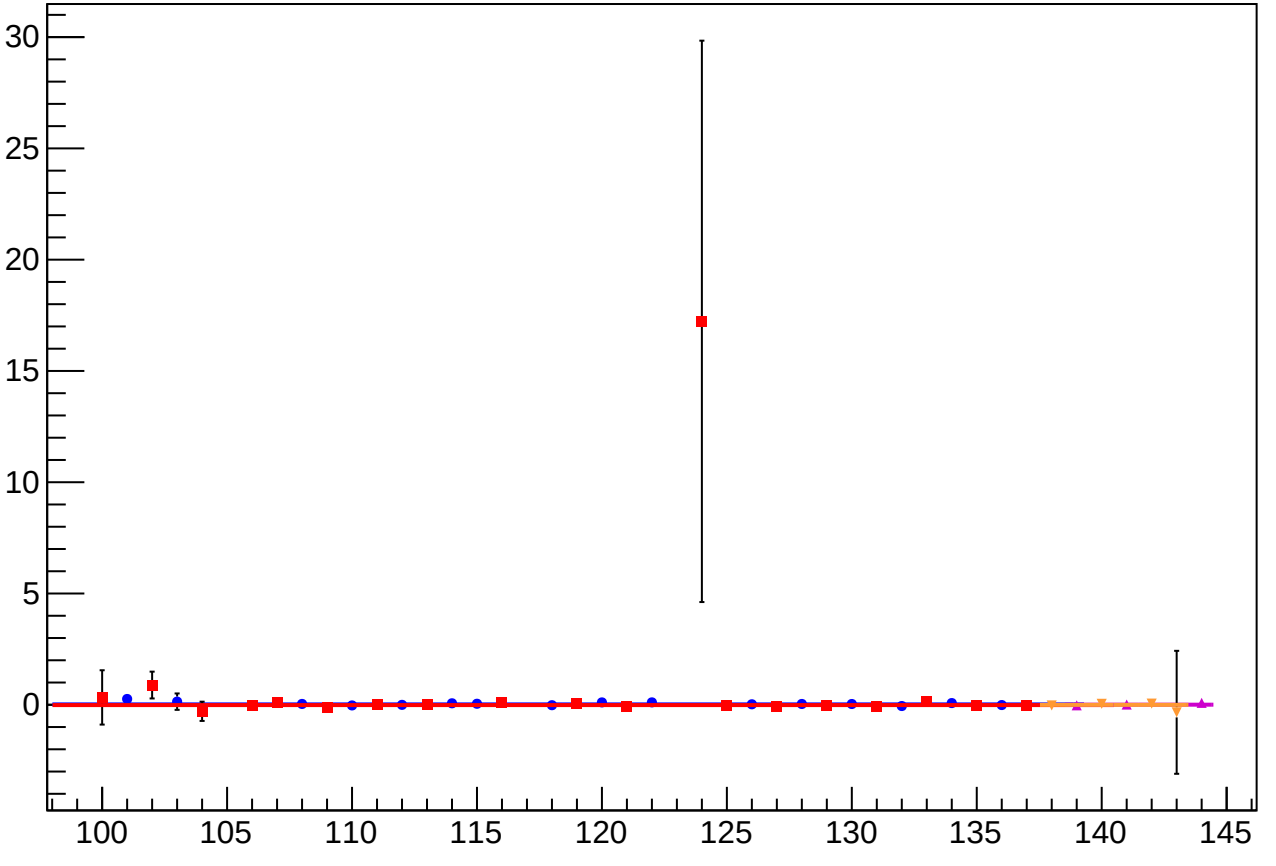
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3883403.5/18

Out: 0.000+/-0.000 χ^2/NDF:4485555.7/22

All: 0.000+/-0.000 χ^2/NDF: 8406494.0/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

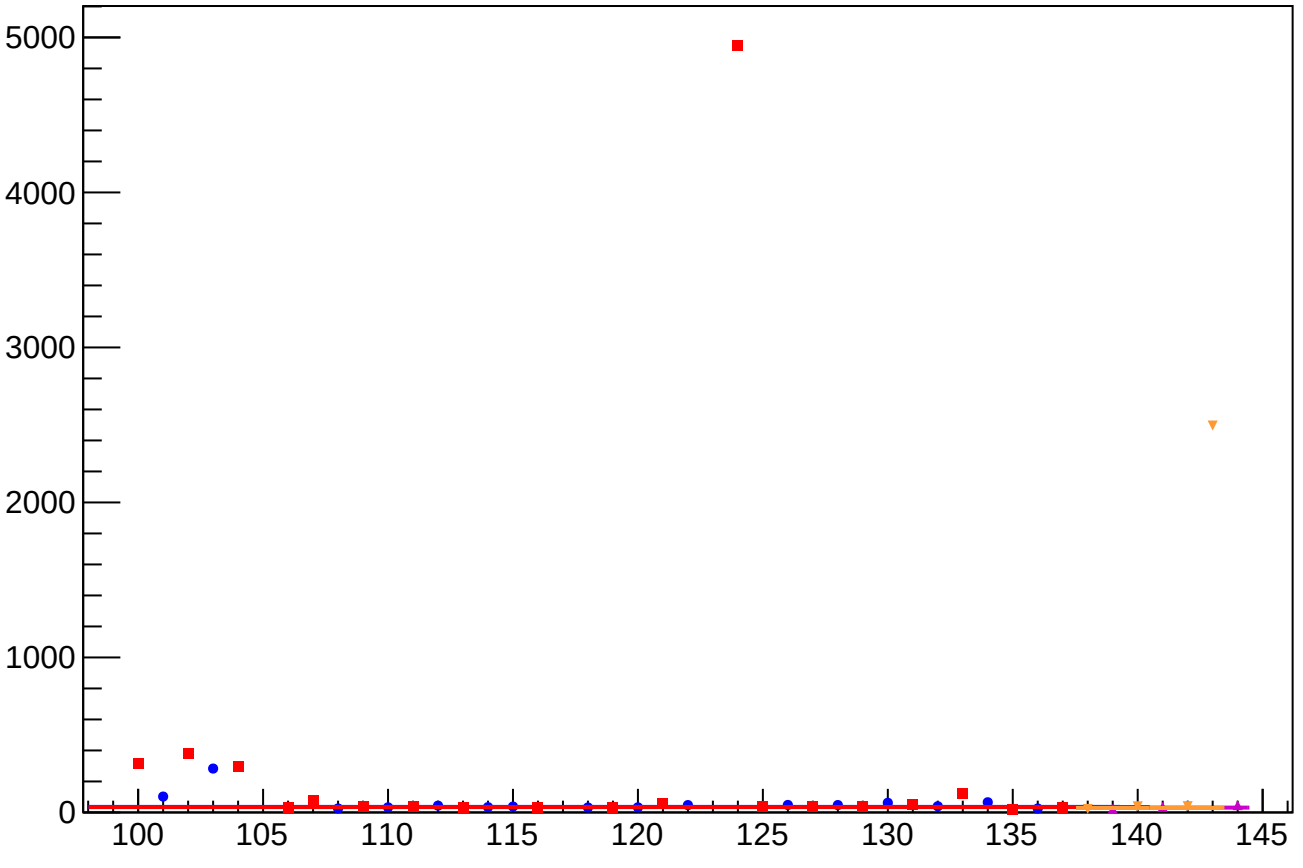
Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

Left: 29.983+/-0.011 χ^2/NDF: 2245290.8/6

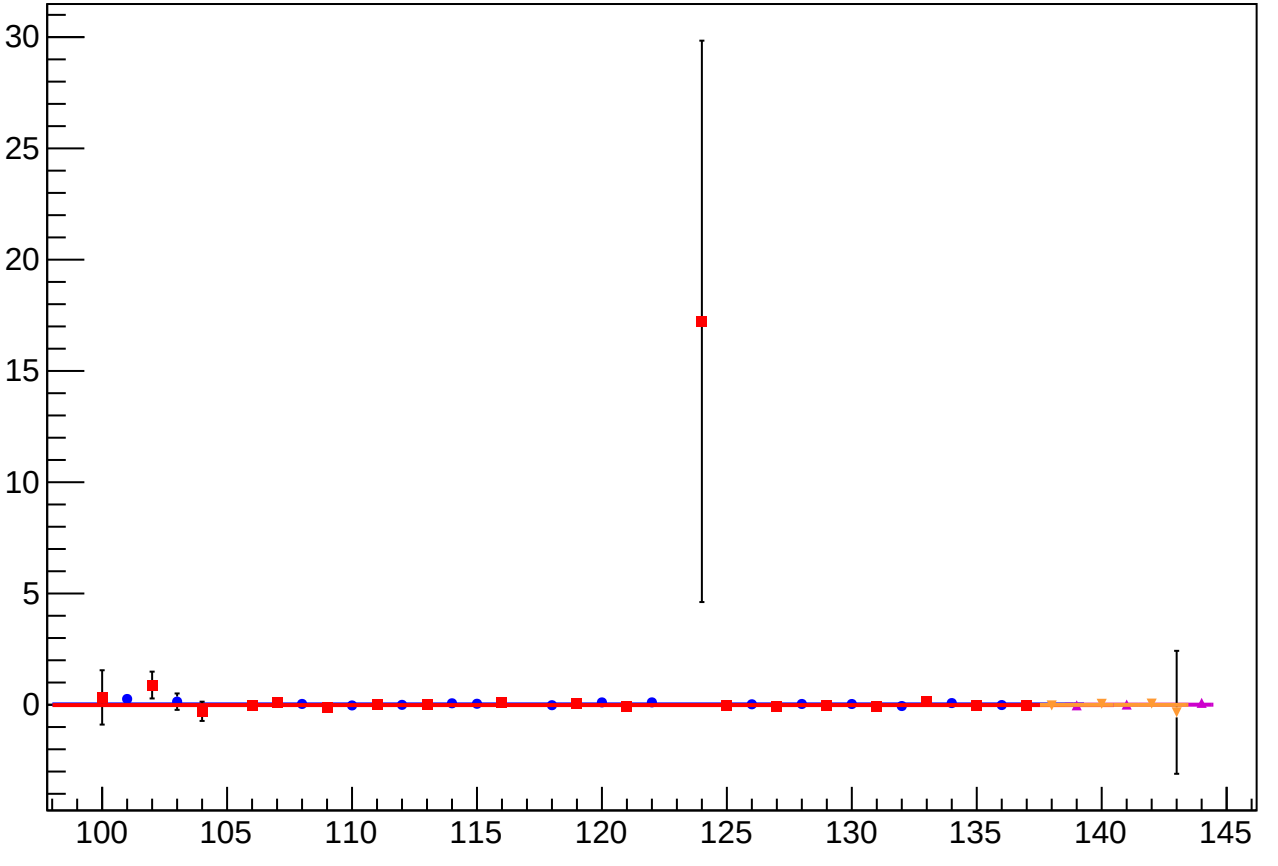
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.247+/-0.009 χ^2/NDF:2686210.2/18

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.525+/-0.006 χ^2/NDF: 7581435.8/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

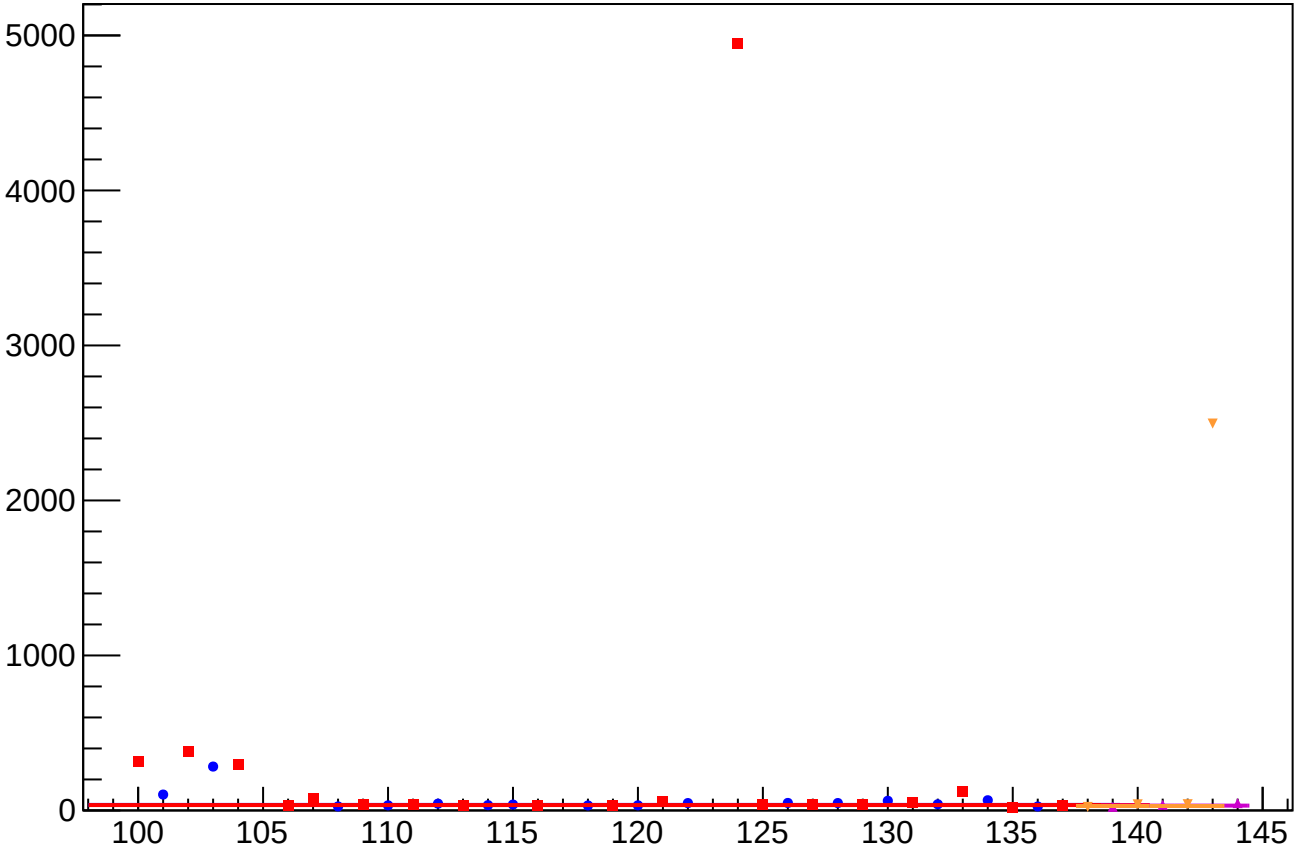
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.218+/-0.016 χ^2/NDF:364744.1/2

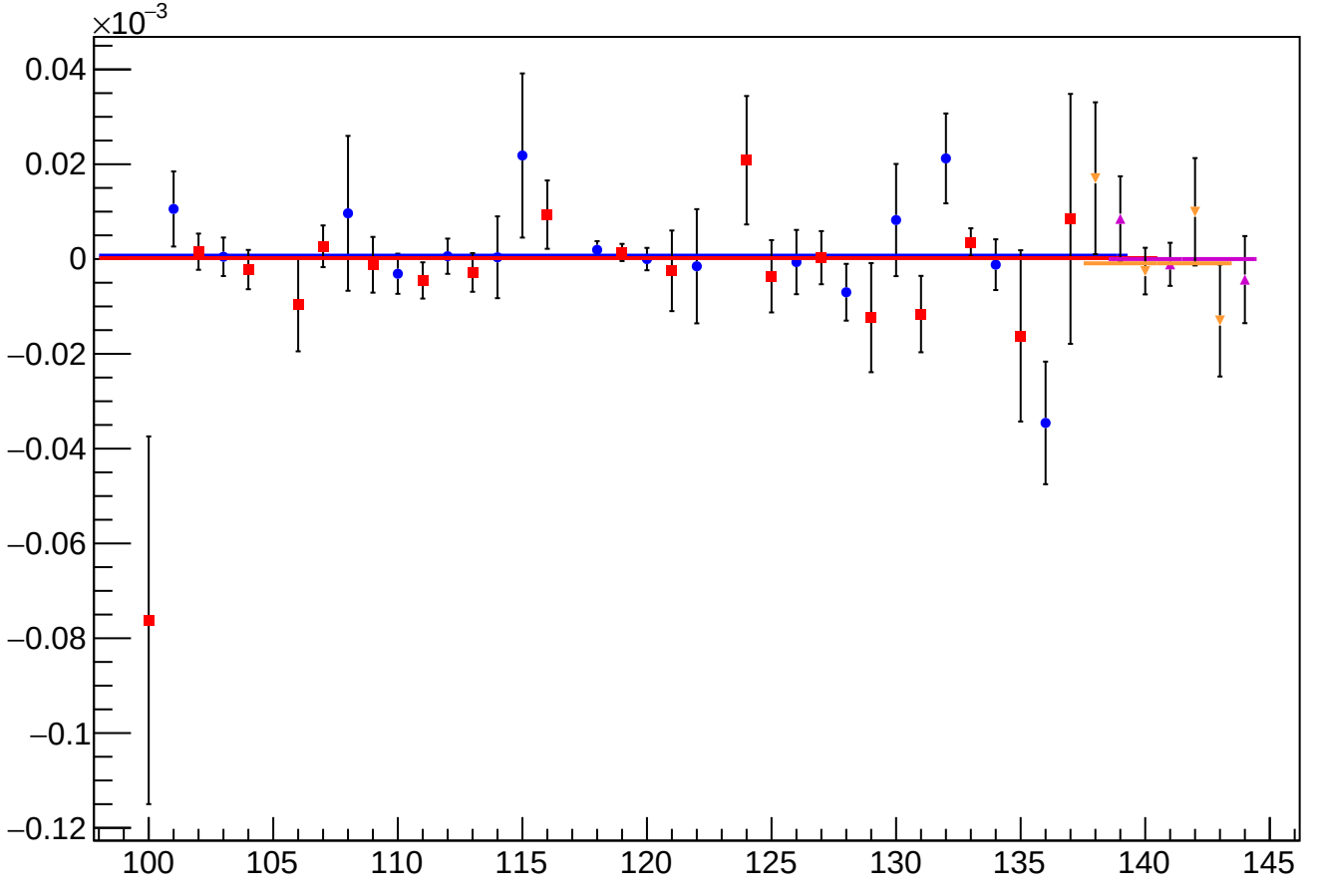
Left: 29.983+/-0.011 χ^2/NDF: 2245290.8/6

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.247+/-0.009 χ^2/NDF:2686210.2/18

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.525+/-0.006 χ^2/NDF: 7581435.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/2

Left: -0.000+/-0.000 χ^2/NDF: 4.5/6

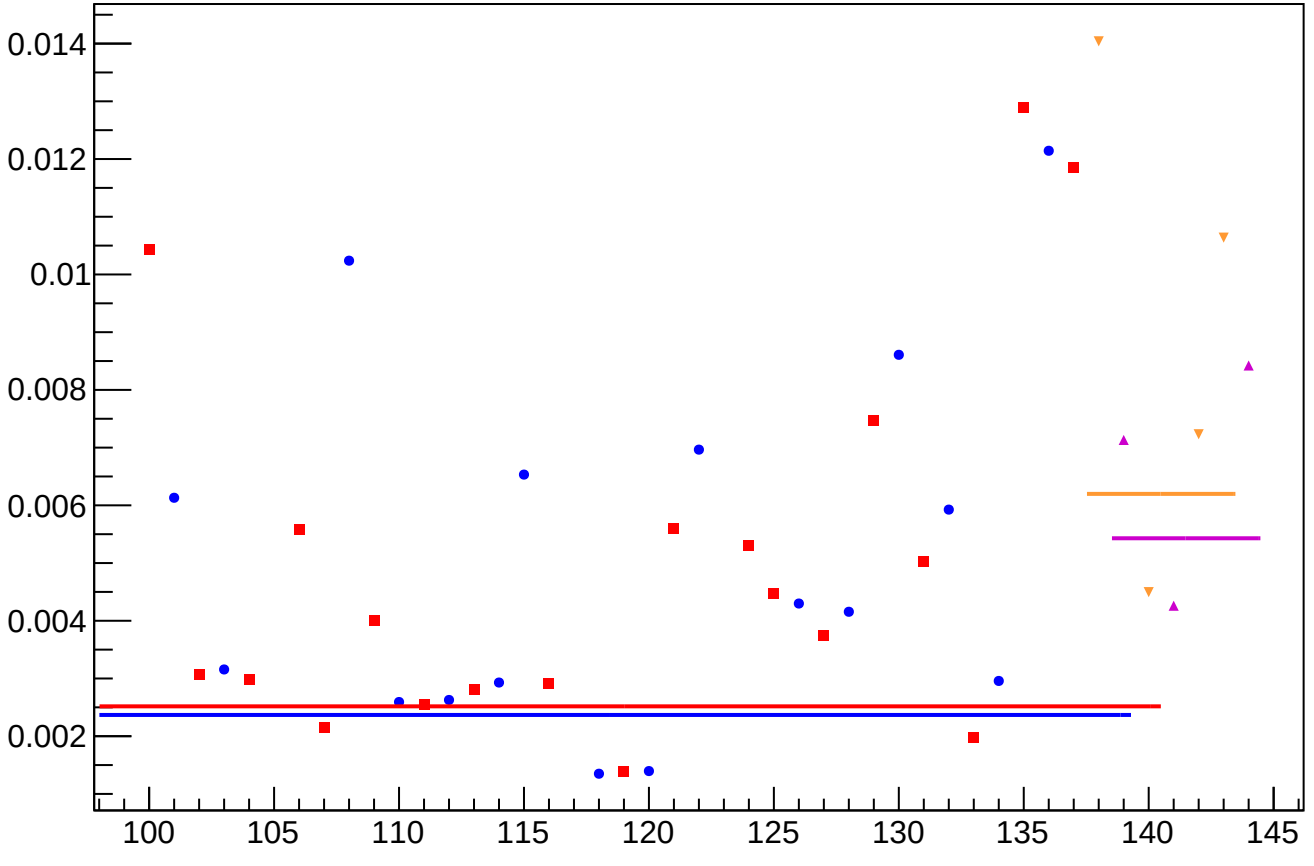
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.3/18

Out: 0.000+/-0.000 χ^2/NDF:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 41.9/41

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:416679.3/2

Left: 0.006+/-0.000 χ^2/NDF: 1472999.3/6

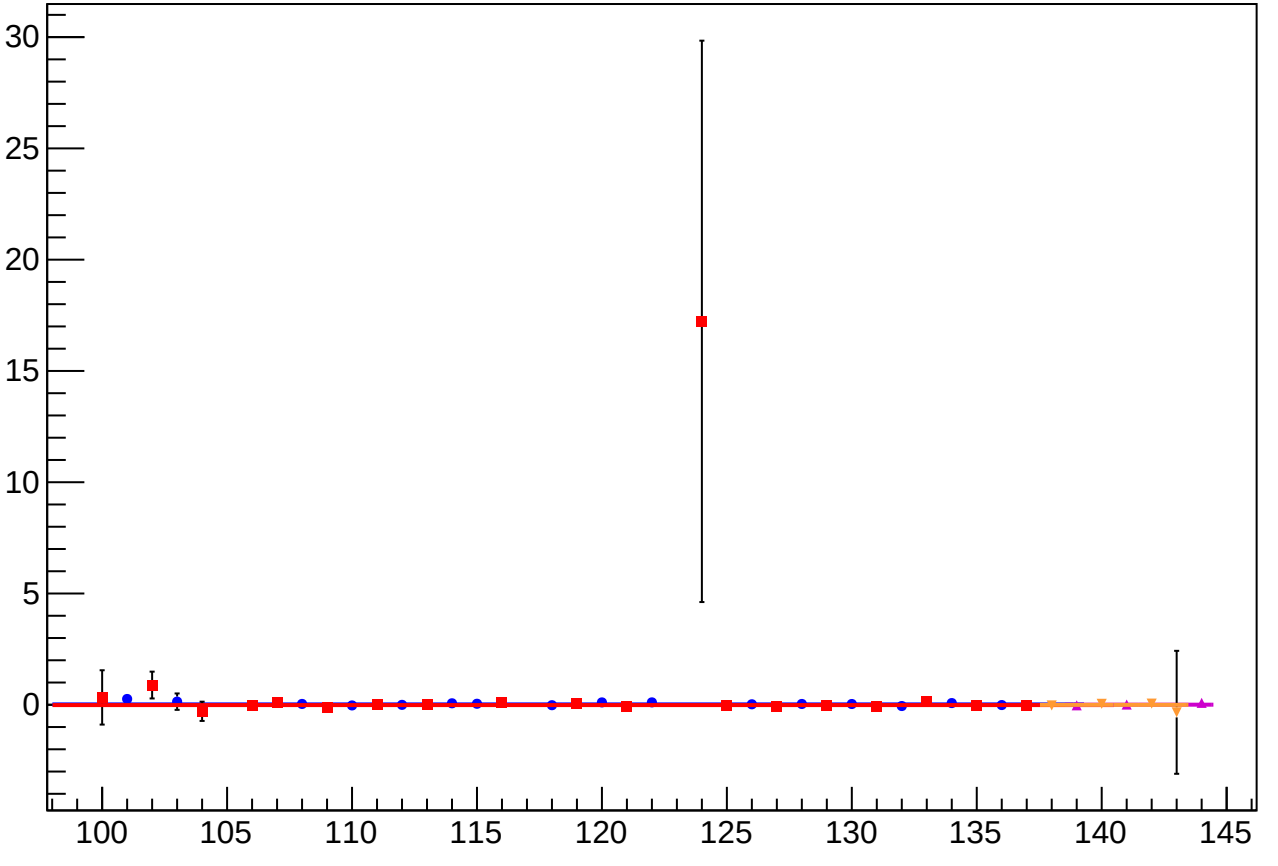
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6389579.1/18

Out: 0.003+/-0.000 χ^2/NDF:5942351.8/22

All: 0.003+/-0.000 χ^2/NDF: 12348371.3/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

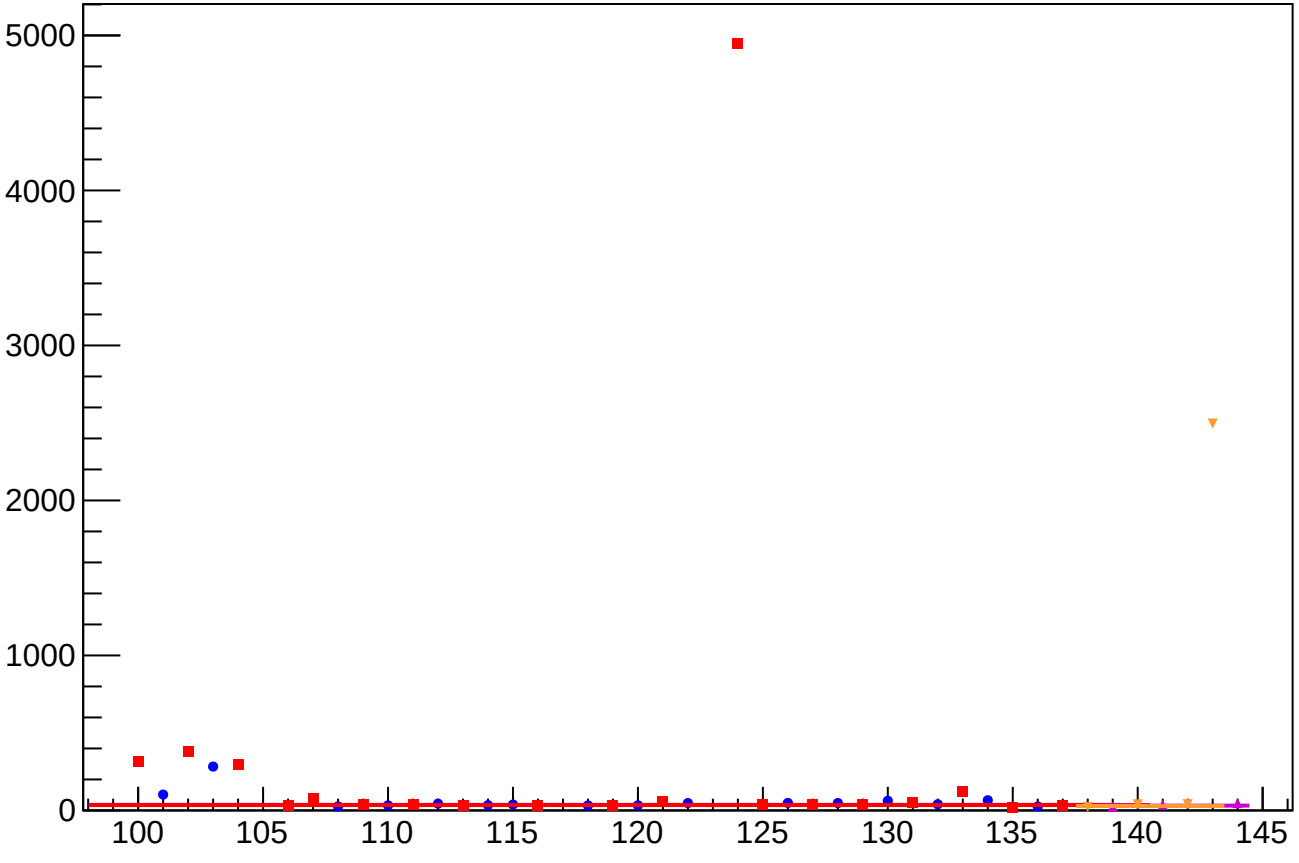
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

Left: 29.981+/-0.011 χ^2/NDF: 2245718.9/6

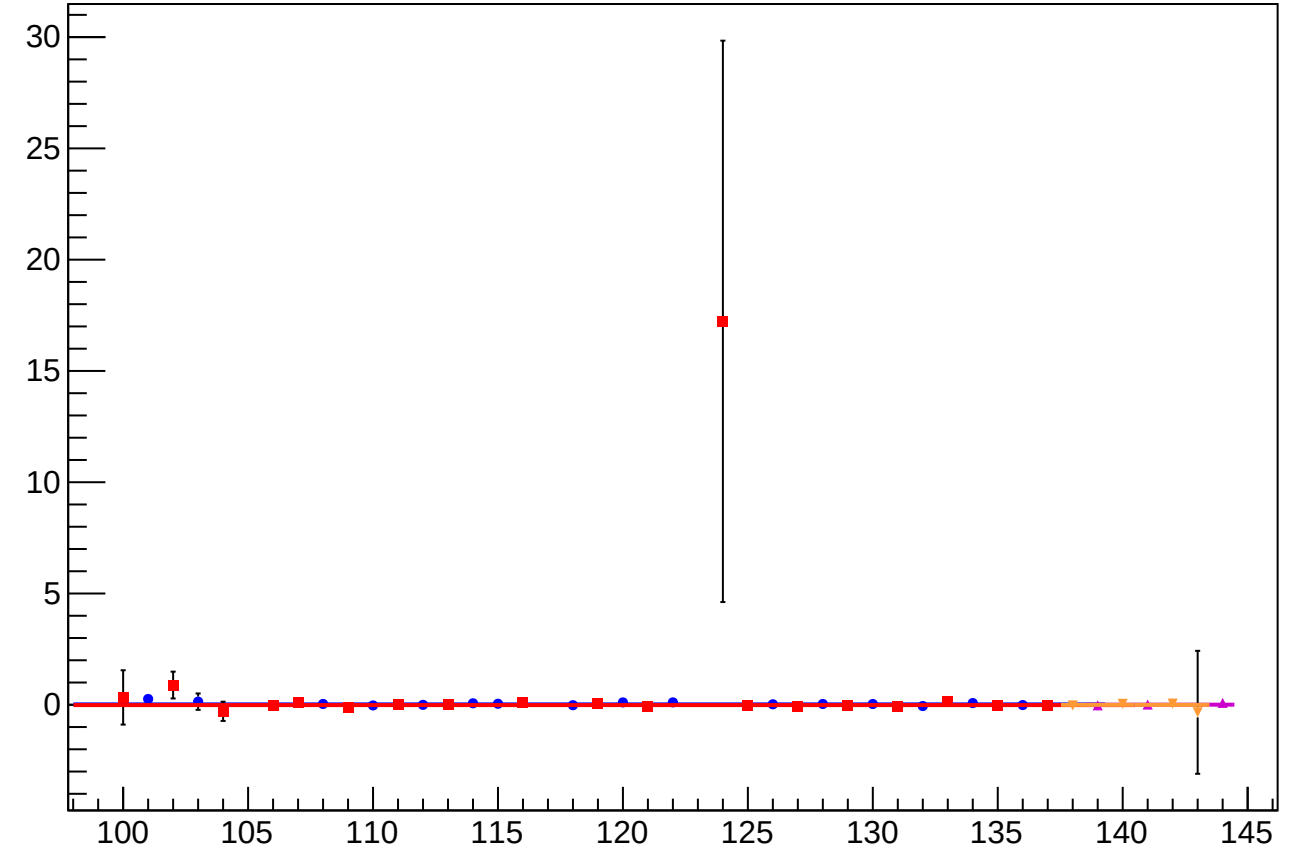
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.247+/-0.009 χ^2/NDF:2686385.5/18

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.525+/-0.006 χ^2/NDF: 7581618.6/41

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.022 χ^2/NDF:3.4/2

Left: 0.001+/-0.016 χ^2/NDF: 6.2/6

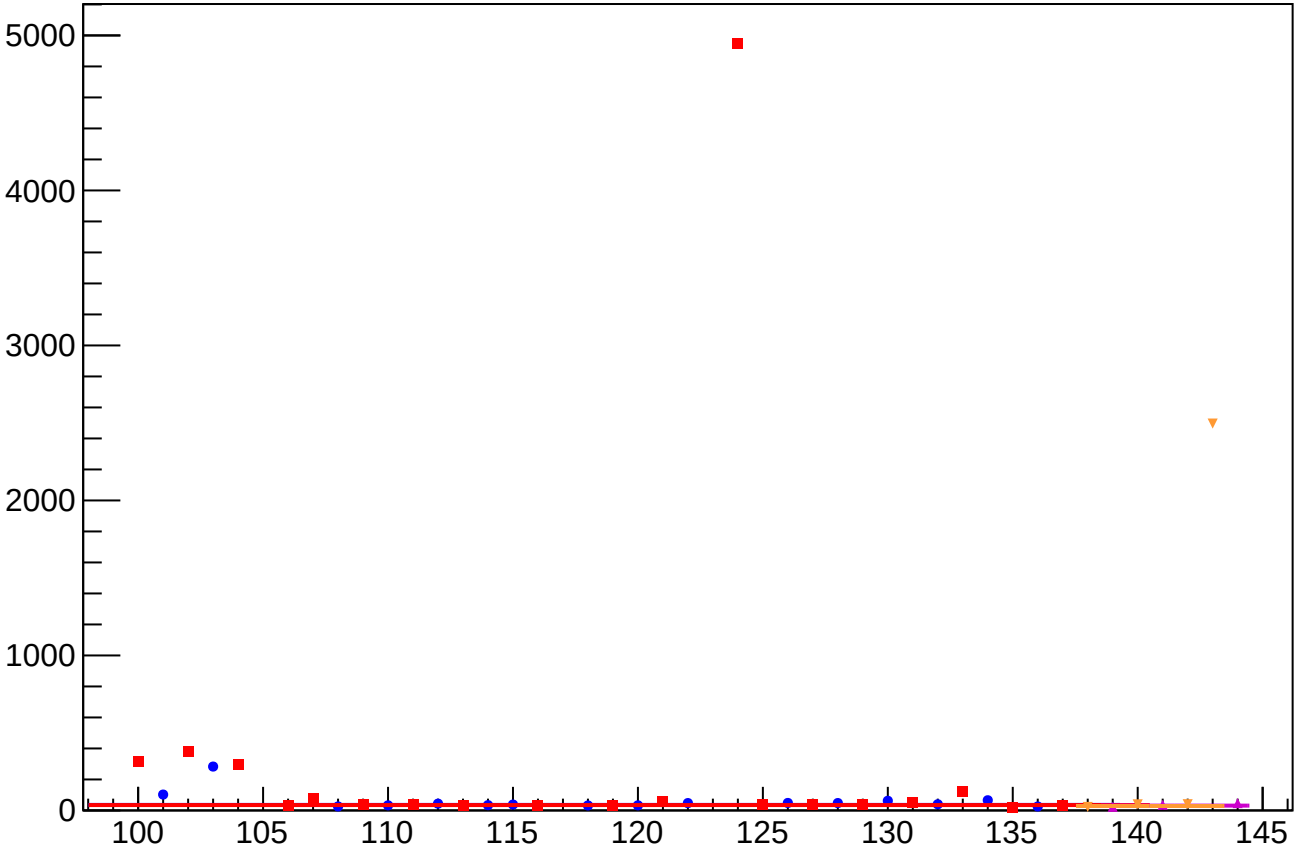
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.013 χ^2/NDF:15.1/18

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: 0.001+/-0.009 χ^2/NDF: 35.6/41

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.214+/-0.016 χ^2/NDF:365054.7/2

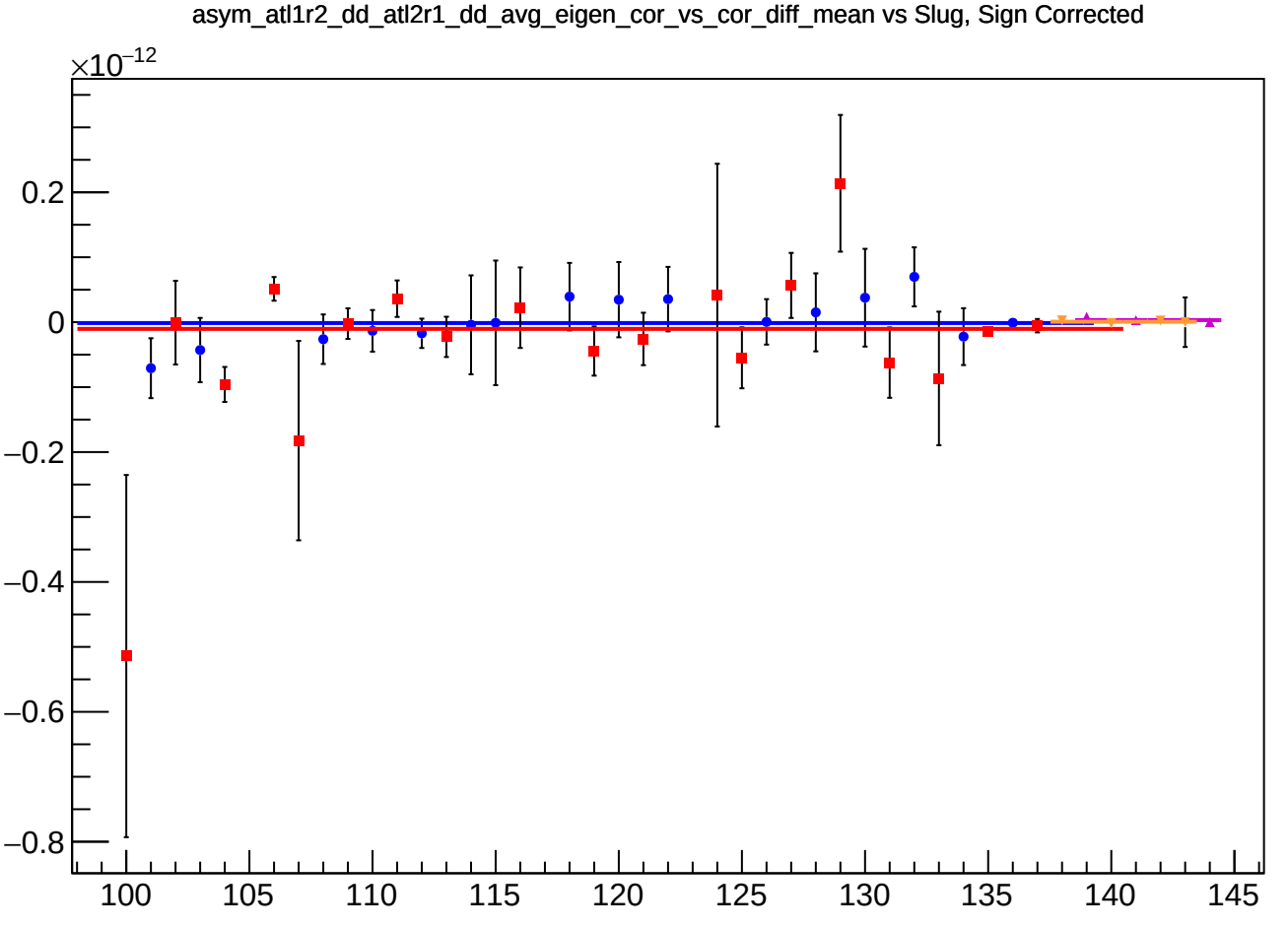
Left: 29.981+/-0.011 χ^2/NDF: 2245718.9/6

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.247+/-0.009 χ^2/NDF:2686385.5/18

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.525+/-0.006 χ^2/NDF: 7581618.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/2

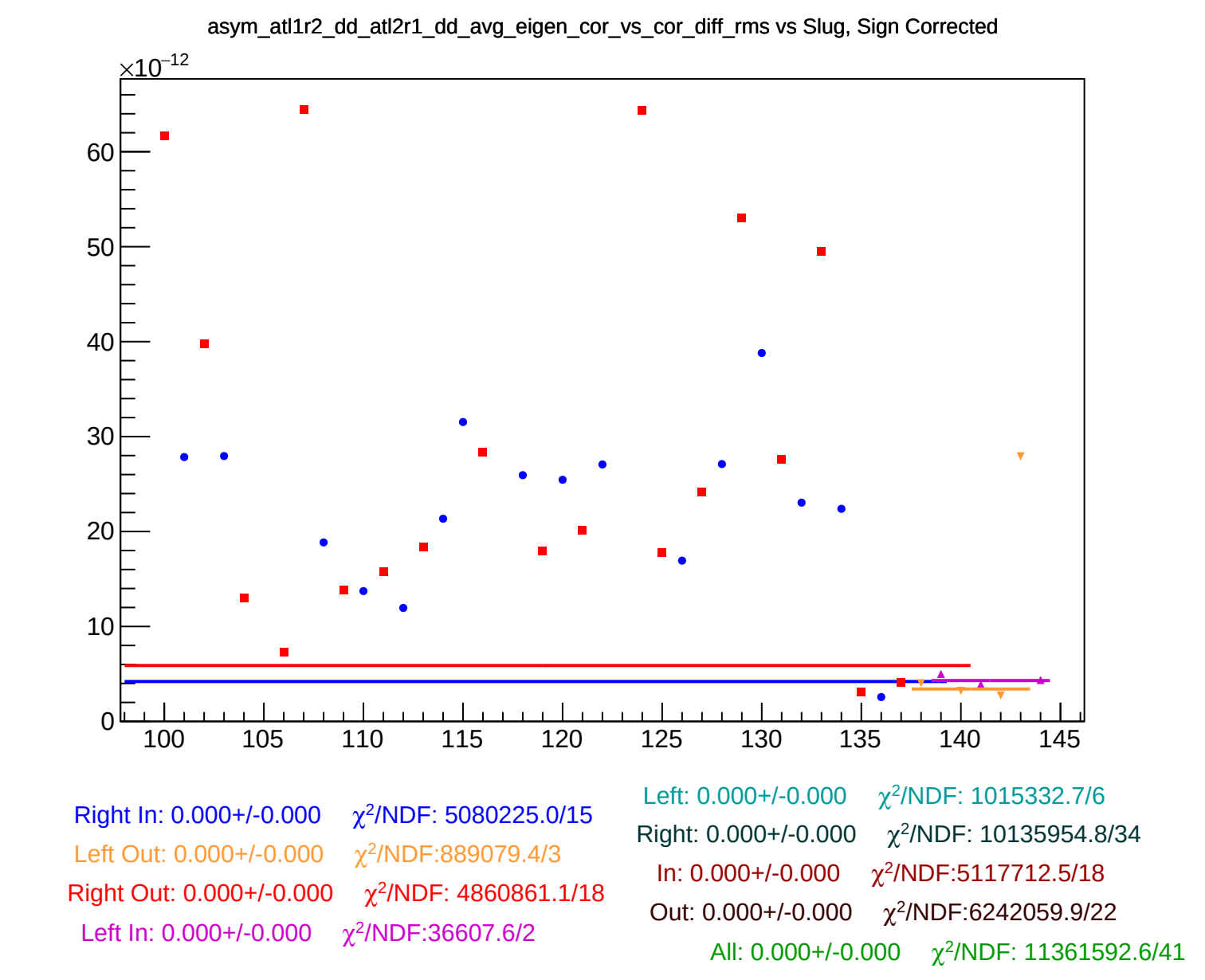
Left: 0.000+/-0.000 χ^2/NDF: 1.8/6

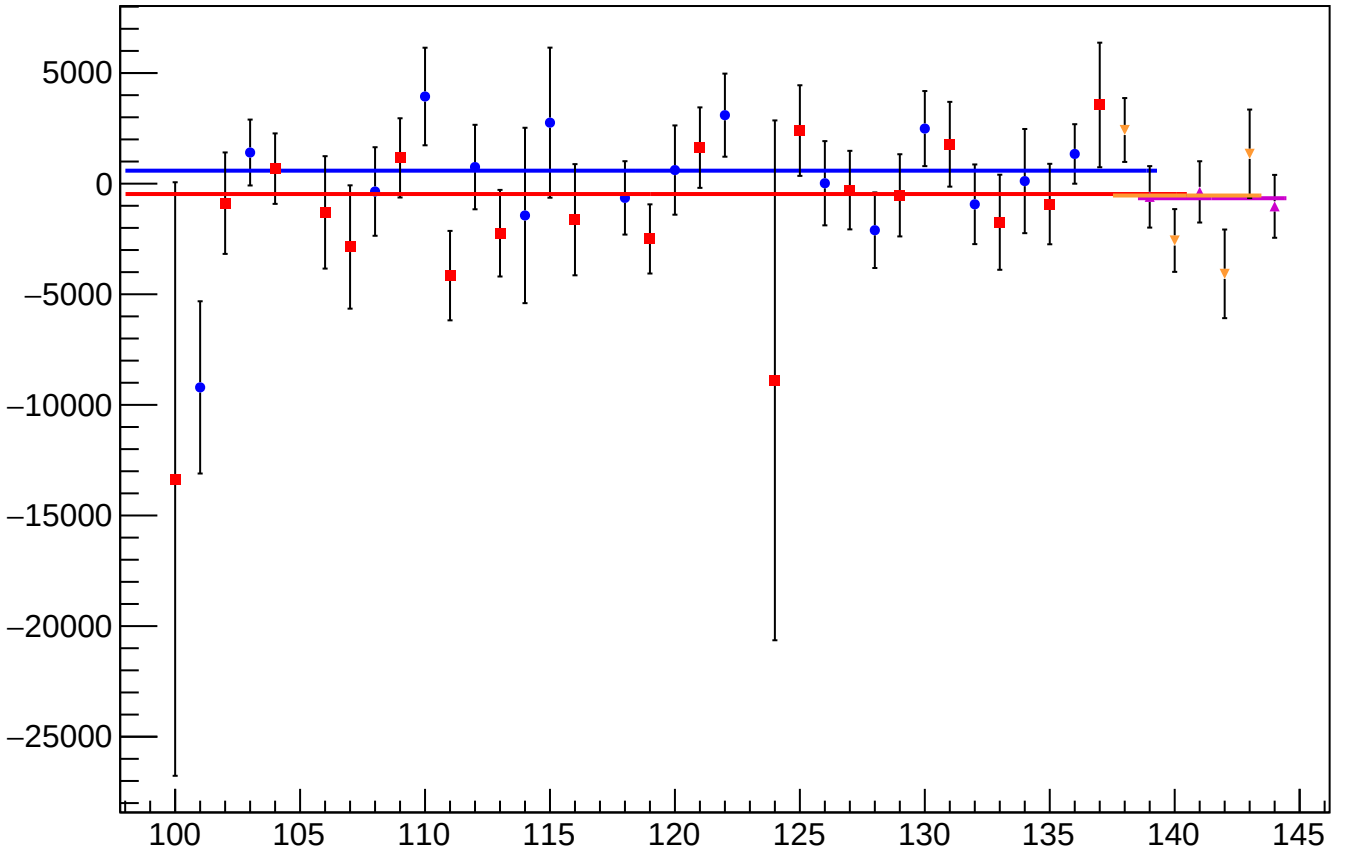
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:10.5/18

Out: -0.000+/-0.000 χ^2/NDF:45.3/22

All: -0.000+/-0.000 χ^2/NDF: 57.1/41


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889079.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:36607.6/2
Left: 0.000+/-0.000 χ²/NDF: 1015332.7/6
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5117712.5/18
Out: 0.000+/-0.000 χ²/NDF:6242059.9/22
All: 0.000+/-0.000 χ²/NDF: 11361592.6/41



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -535.888+/-823.157 χ^2/NDF:10.3/3

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -658.533+/-807.405 χ^2/NDF:0.1/2

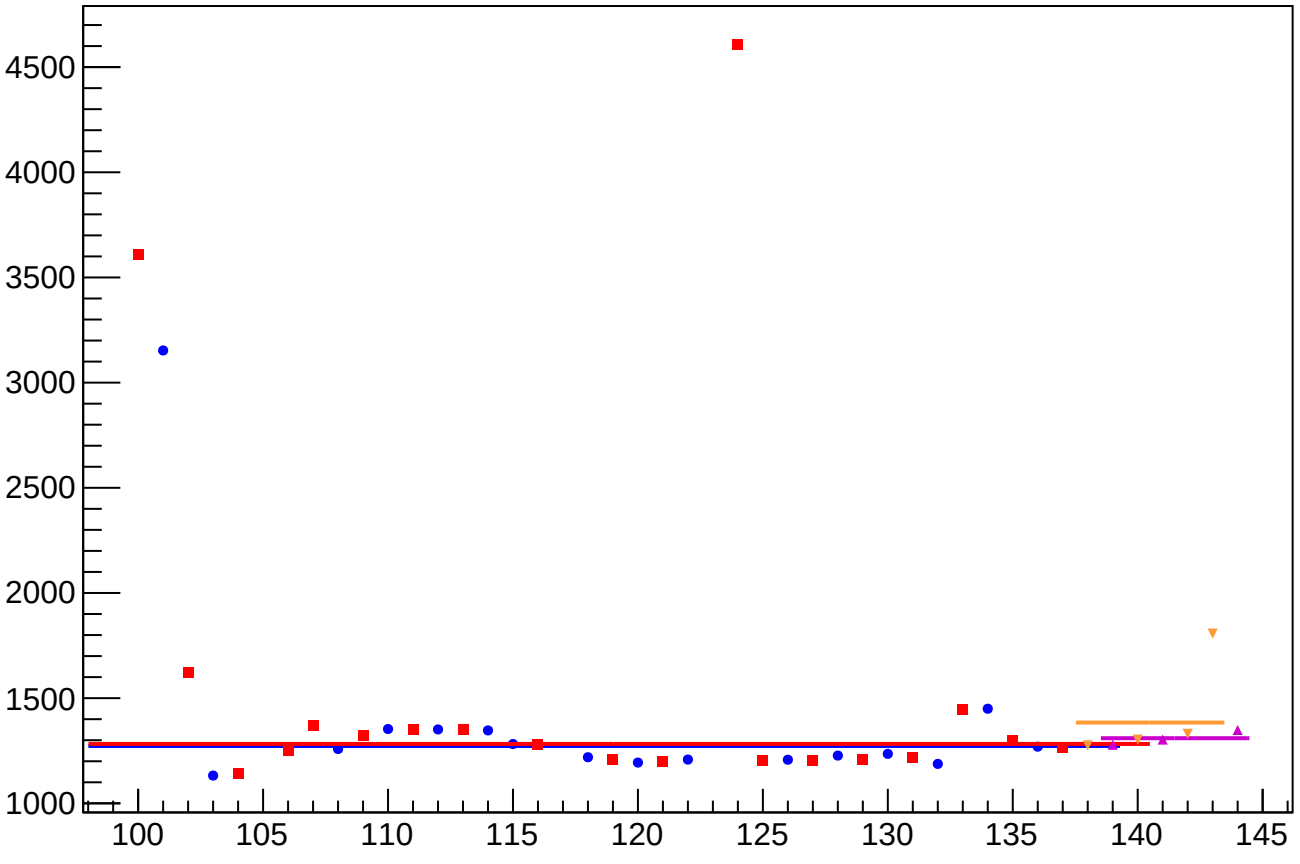
Left: -598.395+/-576.410 χ^2/NDF: 10.4/6

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 259.263+/-414.137 χ^2/NDF:18.9/18

Out: -486.009+/-414.985 χ^2/NDF:27.1/22

All: -112.611+/-293.138 χ^2/NDF: 47.7/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

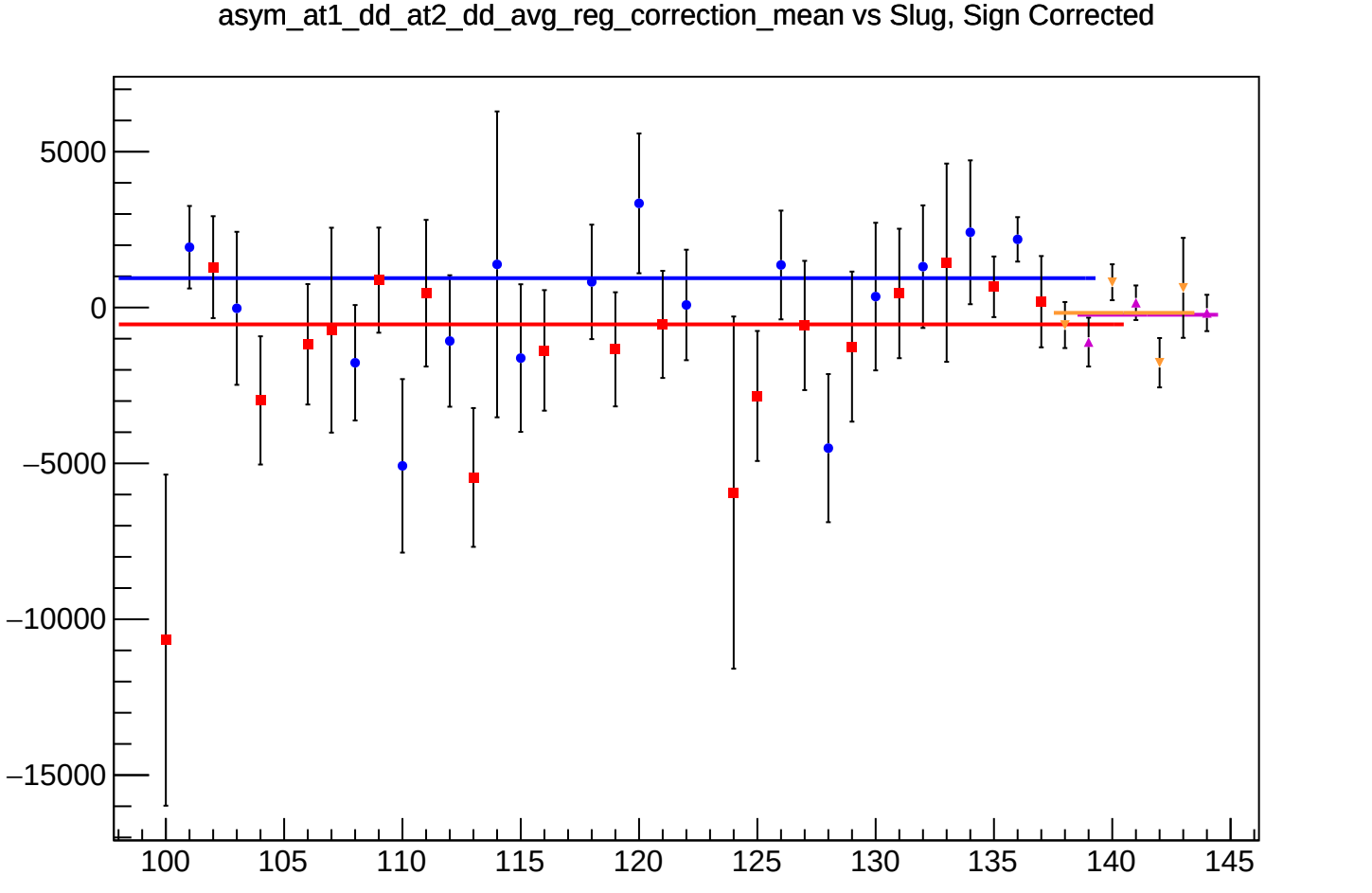
Left: 1346.050+/-0.408 χ^2/NDF: 119559.8/6

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1282.472+/-0.293 χ^2/NDF:524907.9/18

Out: 1308.192+/-0.293 χ^2/NDF:453481.2/22

All: 1295.306+/-0.207 χ^2/NDF: 982238.3/41



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -171.429+/-382.665 χ^2/NDF:7.5/3

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -232.003+/-357.484 χ^2/NDF:1.7/2

Left: -203.774+/-261.228 χ^2/NDF: 9.3/6

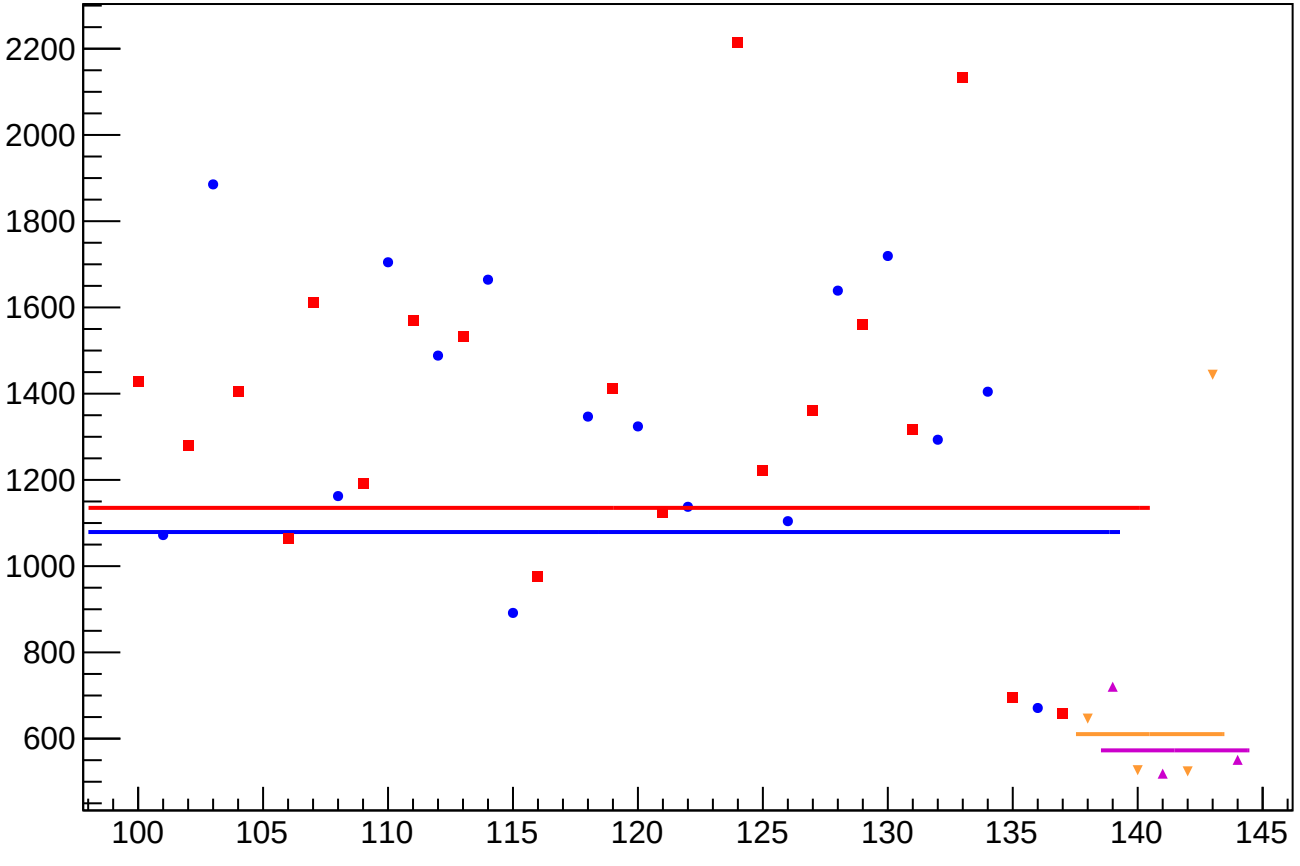
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 253.230+/-273.797 χ^2/NDF:26.1/18

Out: -330.459+/-288.716 χ^2/NDF:25.1/22

All: -23.144+/-198.668 χ^2/NDF: 53.3/41

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: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 572.777+/-0.253 χ^2/NDF:92673.4/2

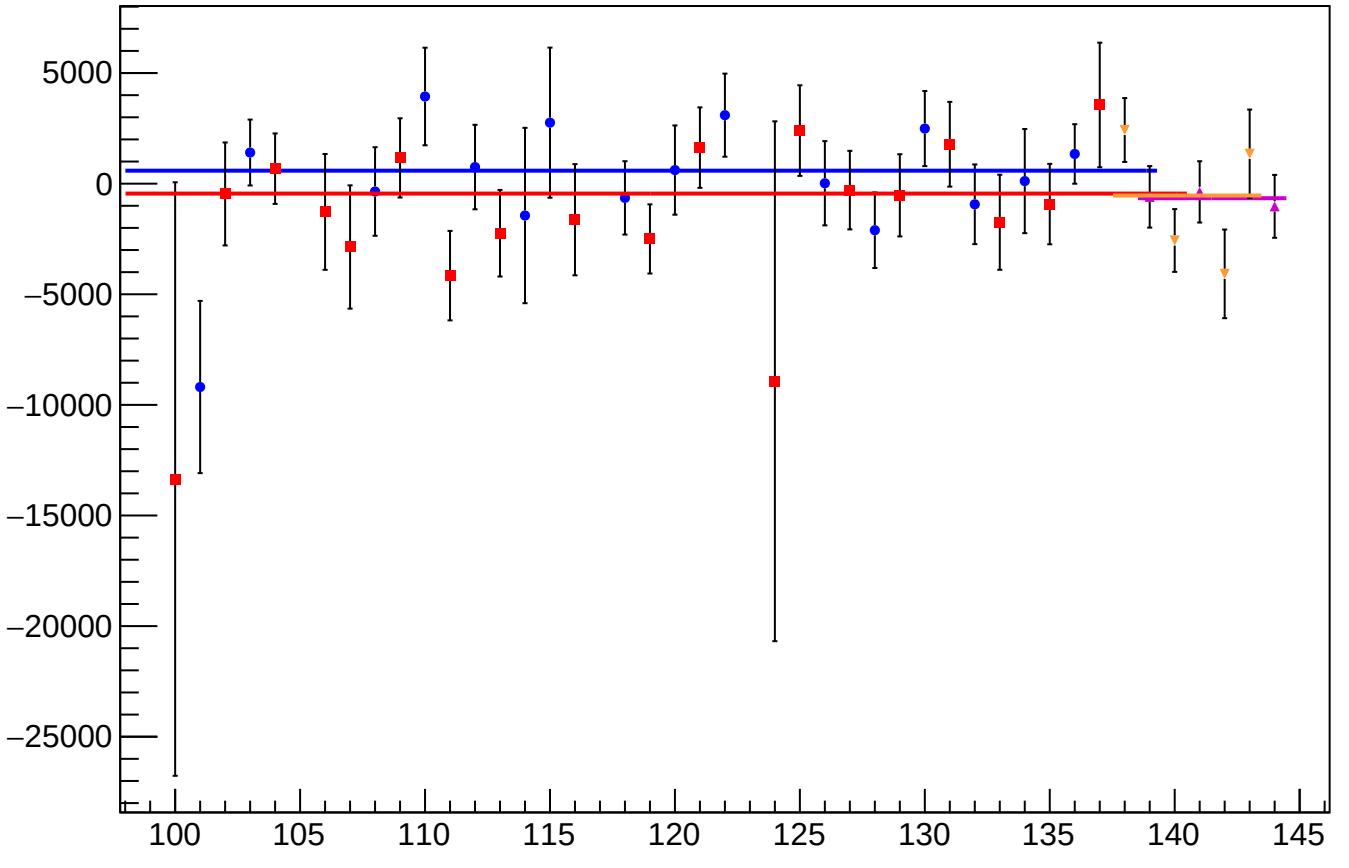
Left: 590.328+/-0.185 χ^2/NDF: 714079.8/6

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 782.099+/-0.194 χ^2/NDF:3233633.2/18

Out: 836.462+/-0.204 χ^2/NDF:3523996.5/22

All: 807.840+/-0.140 χ^2/NDF: 6794963.0/41



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -658.531+/-807.405 χ^2/NDF:0.1/2

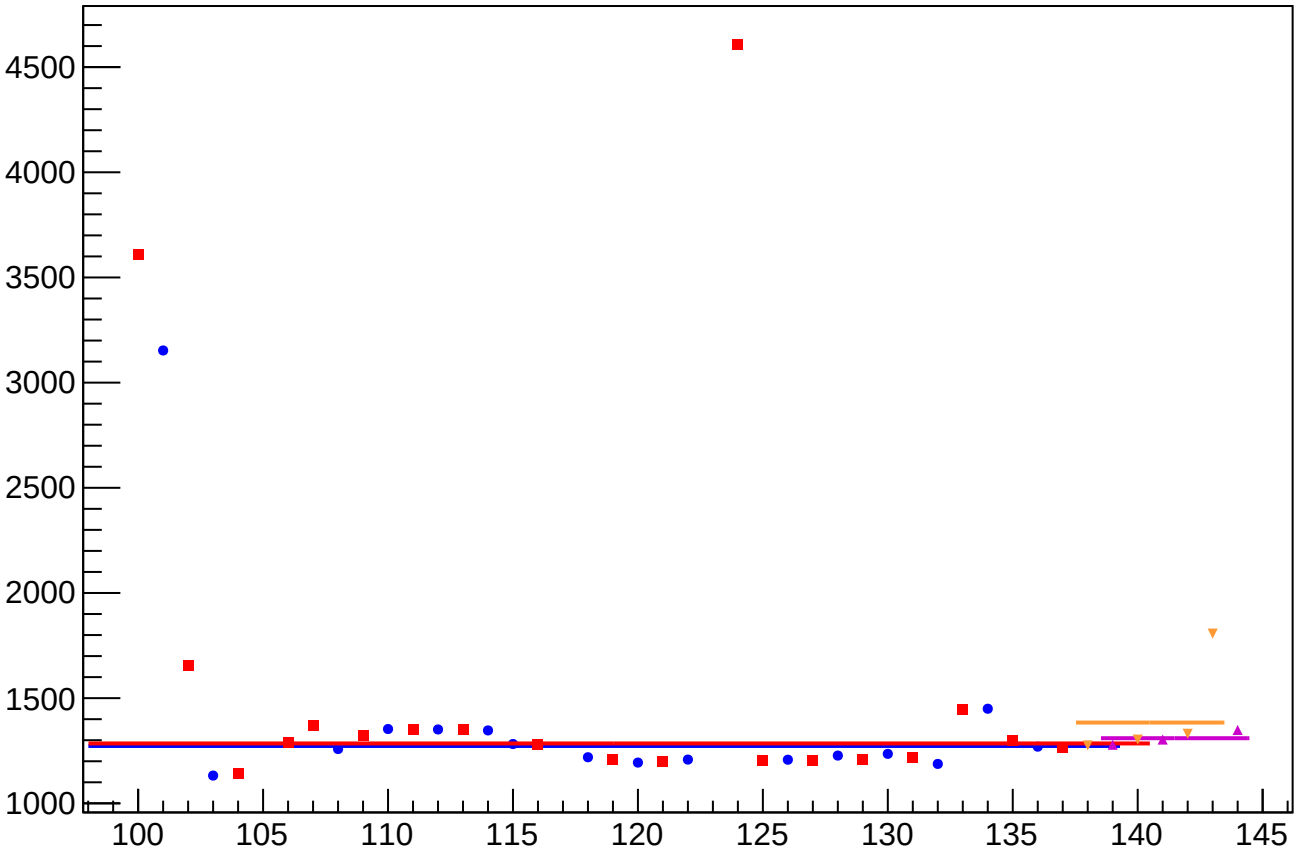
Left: -598.477+/-576.410 χ^2/NDF: 10.4/6

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 259.499+/-414.138 χ^2/NDF:18.9/18

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -104.414+/-293.324 χ^2/NDF: 47.6/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

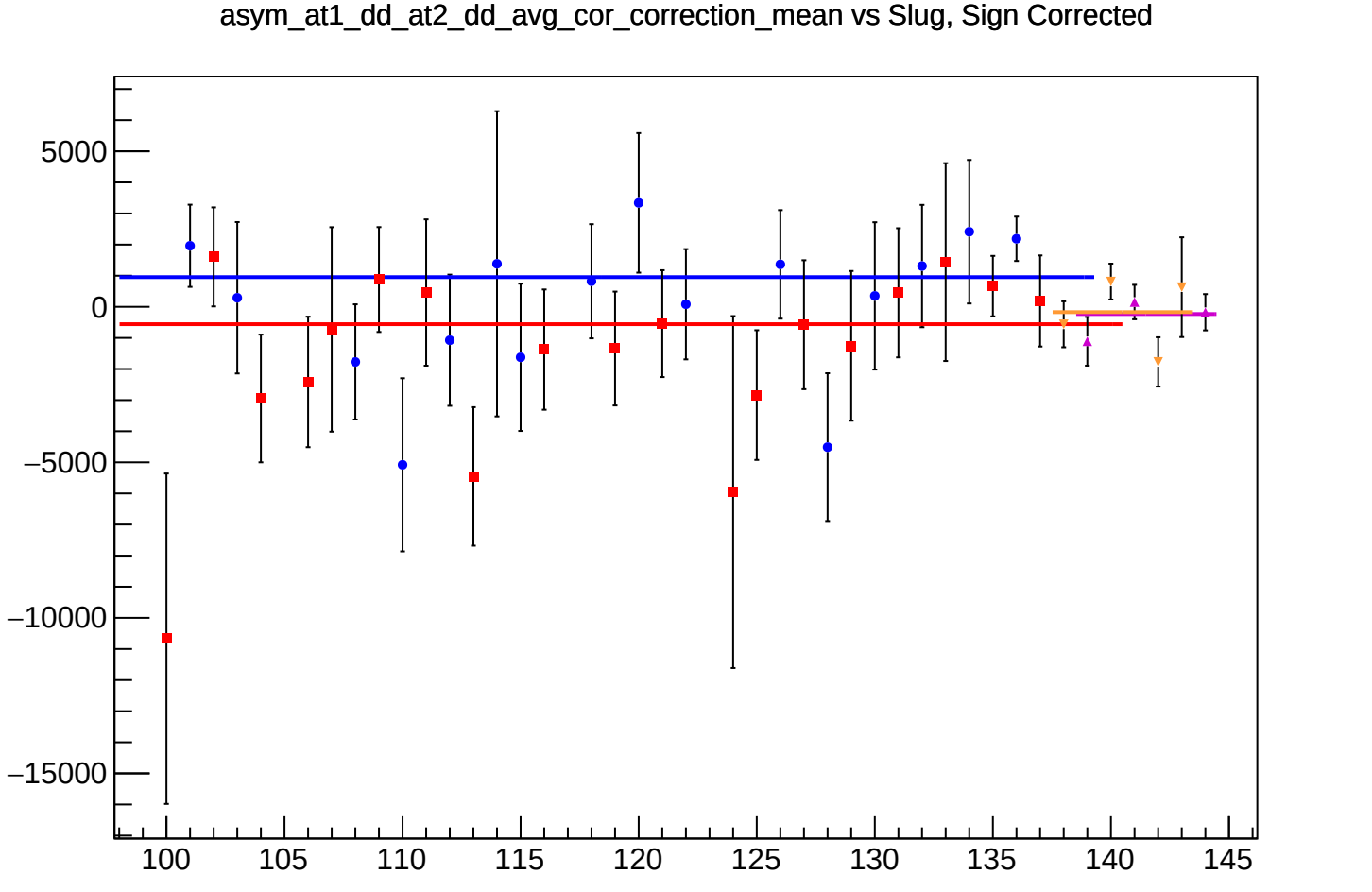
Left: 1346.050+/-0.408 χ^2/NDF: 119559.9/6

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1282.472+/-0.293 χ^2/NDF:524909.4/18

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1296.172+/-0.207 χ^2/NDF: 988407.5/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -232.142+/-357.478 χ^2/NDF:1.7/2

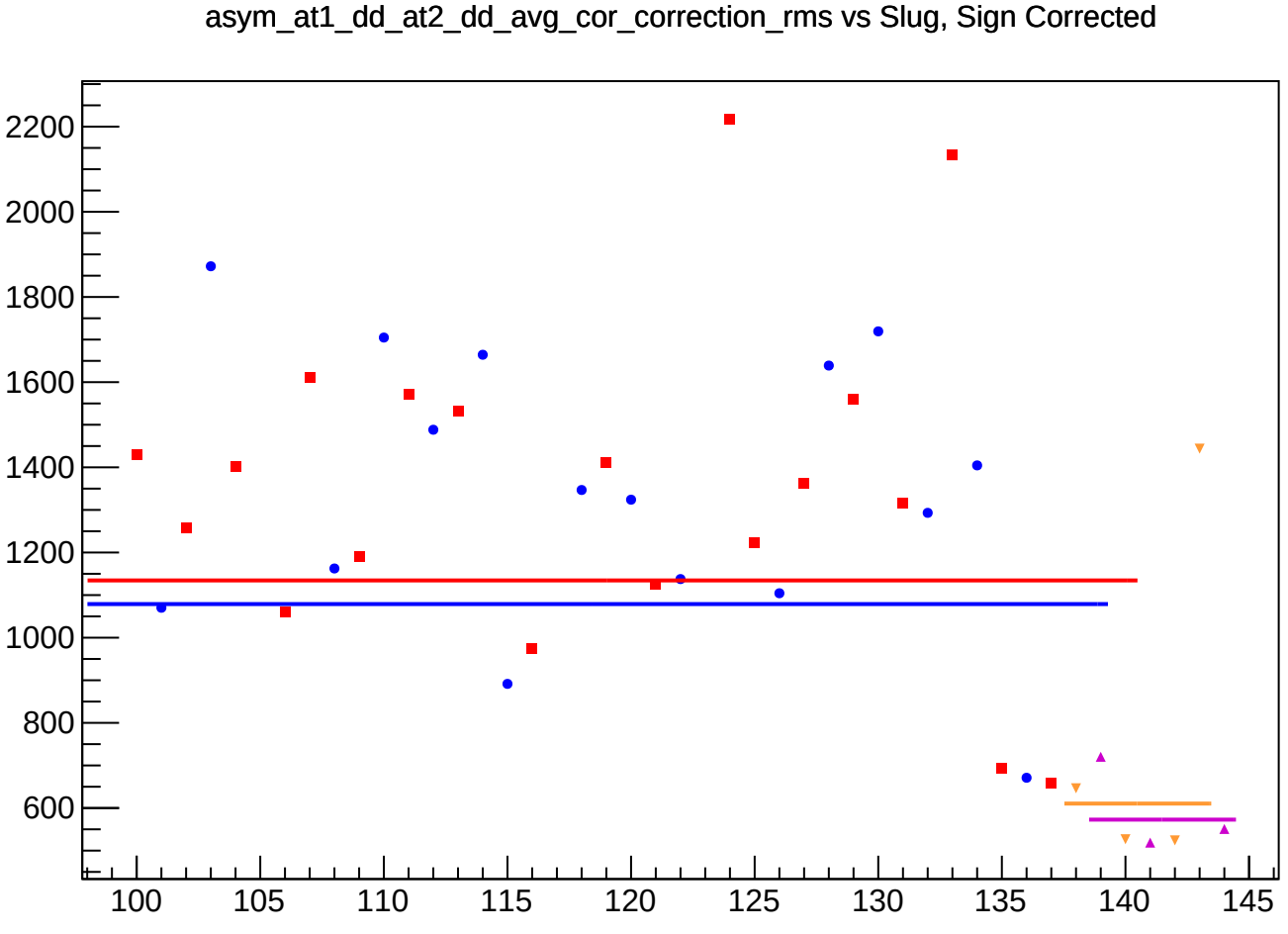
Left: -203.832+/-261.230 χ^2/NDF: 9.3/6

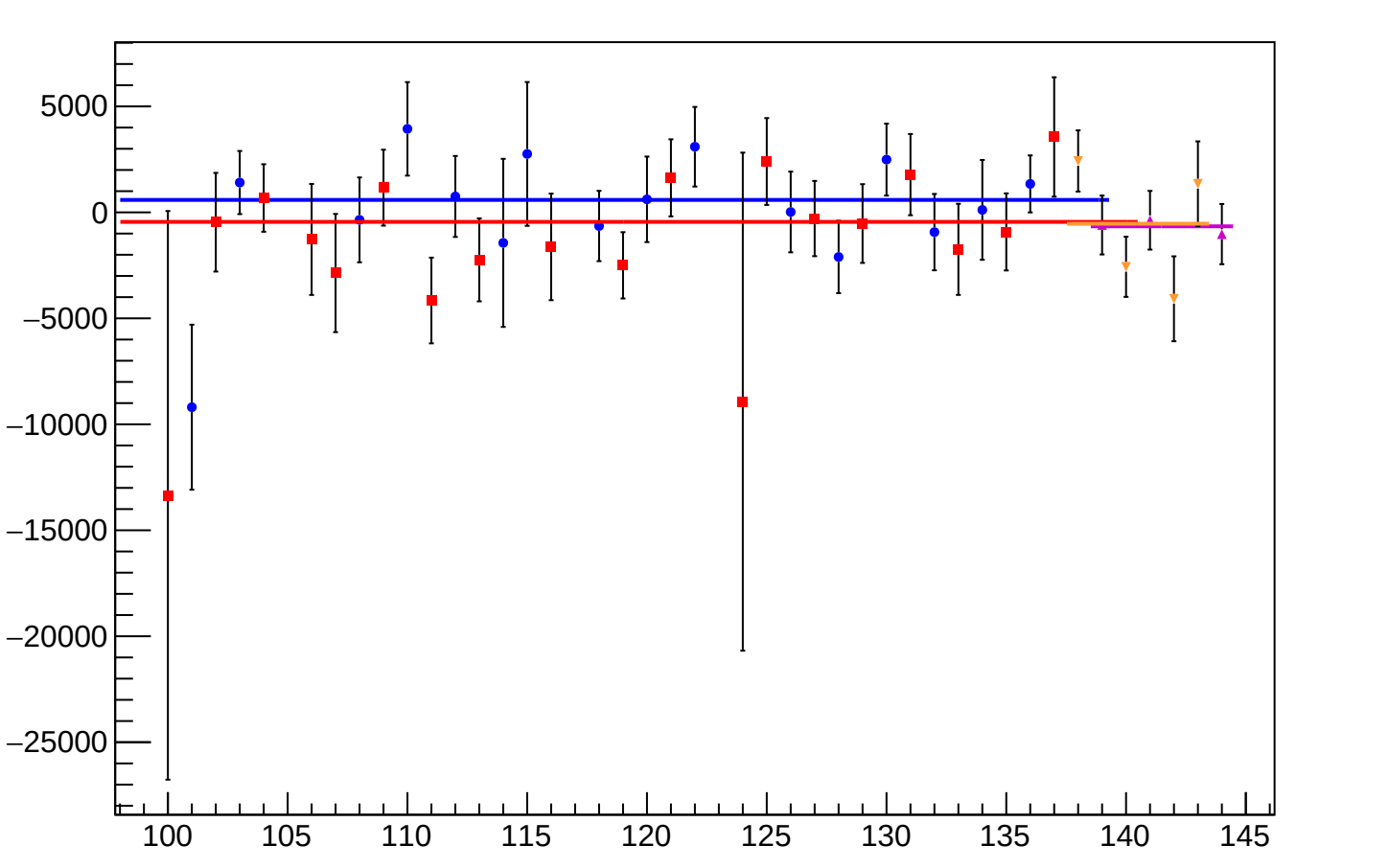
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 258.498+/-273.747 χ^2/NDF:26.2/18

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -23.414+/-198.730 χ^2/NDF: 54.7/41


asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
100
105
110
115
120
125
130
135
140
145
Right In: 1078.932+/-0.301 χ²/NDF: 1478719.9/15
Left Out: 610.462+/-0.271 χ²/NDF:611007.8/3
Right Out: 1134.428+/-0.312 χ²/NDF: 1288899.2/18
Left In: 572.766+/-0.253 χ²/NDF:92684.3/2
Left: 590.332+/-0.185 χ²/NDF: 714055.5/6
Right: 1105.713+/-0.217 χ²/NDF: 2784024.9/34
In: 782.112+/-0.194 χ²/NDF:3229802.5/18
Out: 835.670+/-0.204 χ²/NDF:3511486.7/22
All: 807.444+/-0.141 χ²/NDF: 6777498.6/41



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -658.531+/-807.405 χ^2/NDF:0.1/2

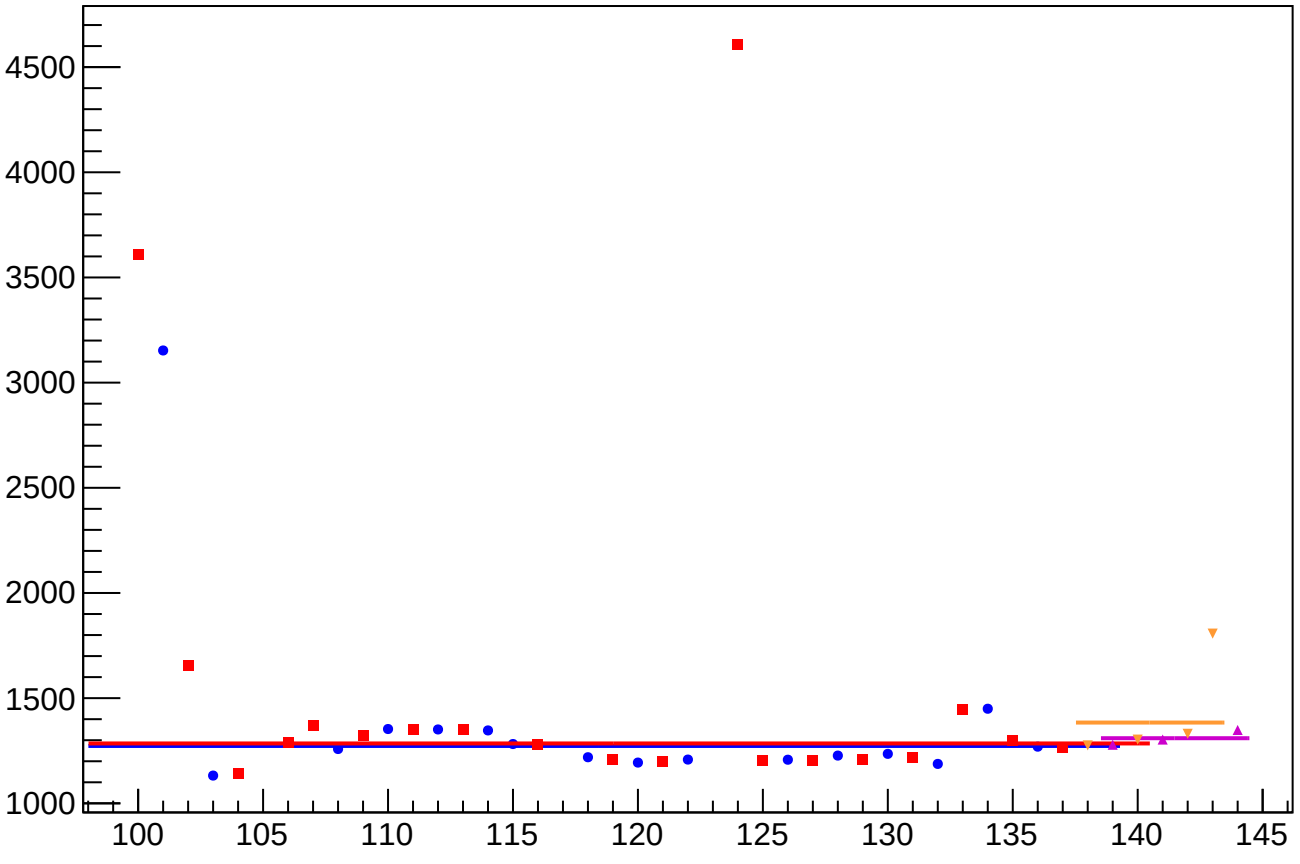
Left: -598.477+/-576.410 χ^2/NDF: 10.4/6

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 259.499+/-414.138 χ^2/NDF:18.9/18

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -104.414+/-293.324 χ^2/NDF: 47.6/41



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1309.552+/-0.571 χ^2/NDF:2556.9/2

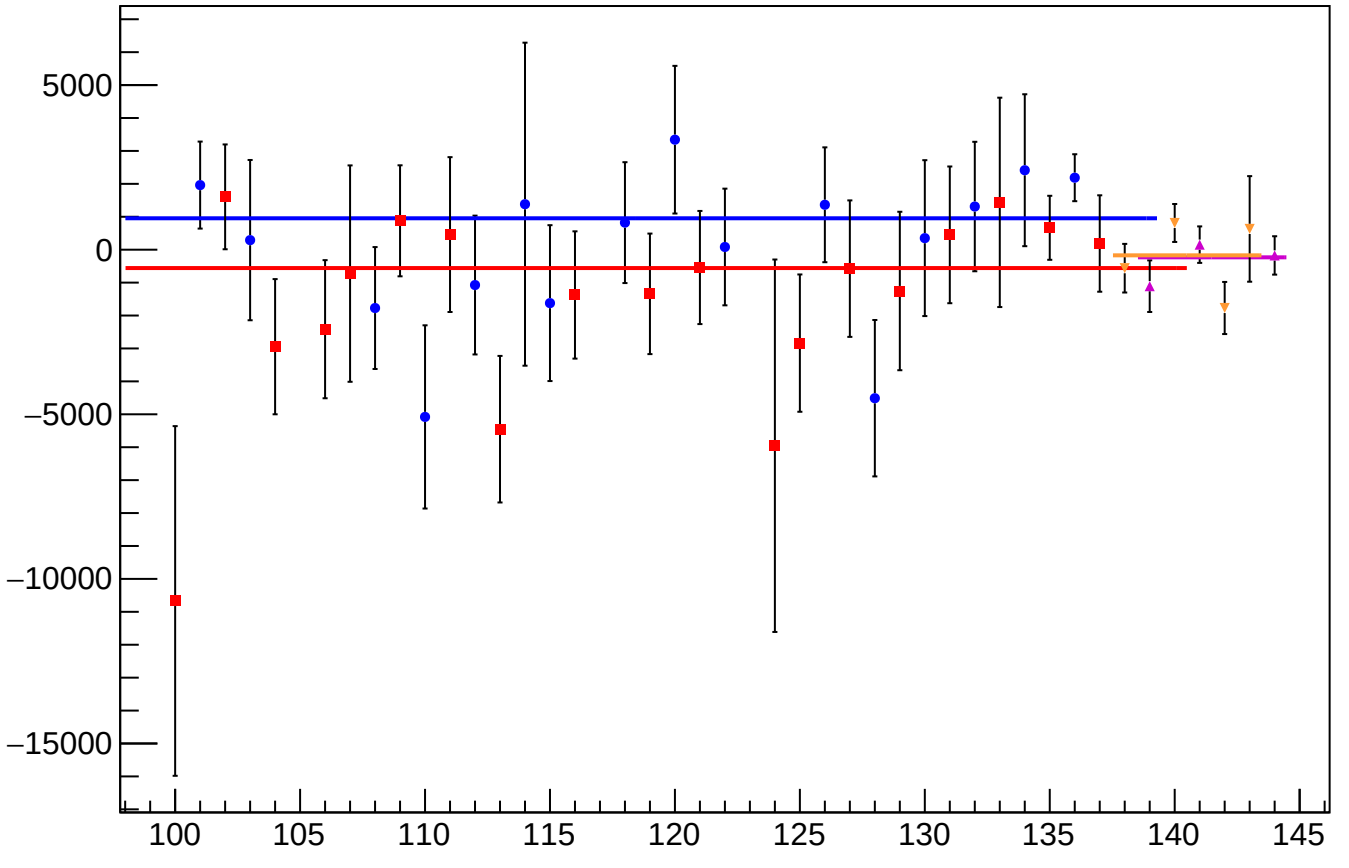
Left: 1346.050+/-0.408 χ^2/NDF: 119559.9/6

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1282.472+/-0.293 χ^2/NDF:524909.4/18

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1296.172+/-0.207 χ^2/NDF: 988407.5/41



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -232.142+/-357.478 χ^2/NDF:1.7/2

Left: -203.832+/-261.230 χ^2/NDF: 9.3/6

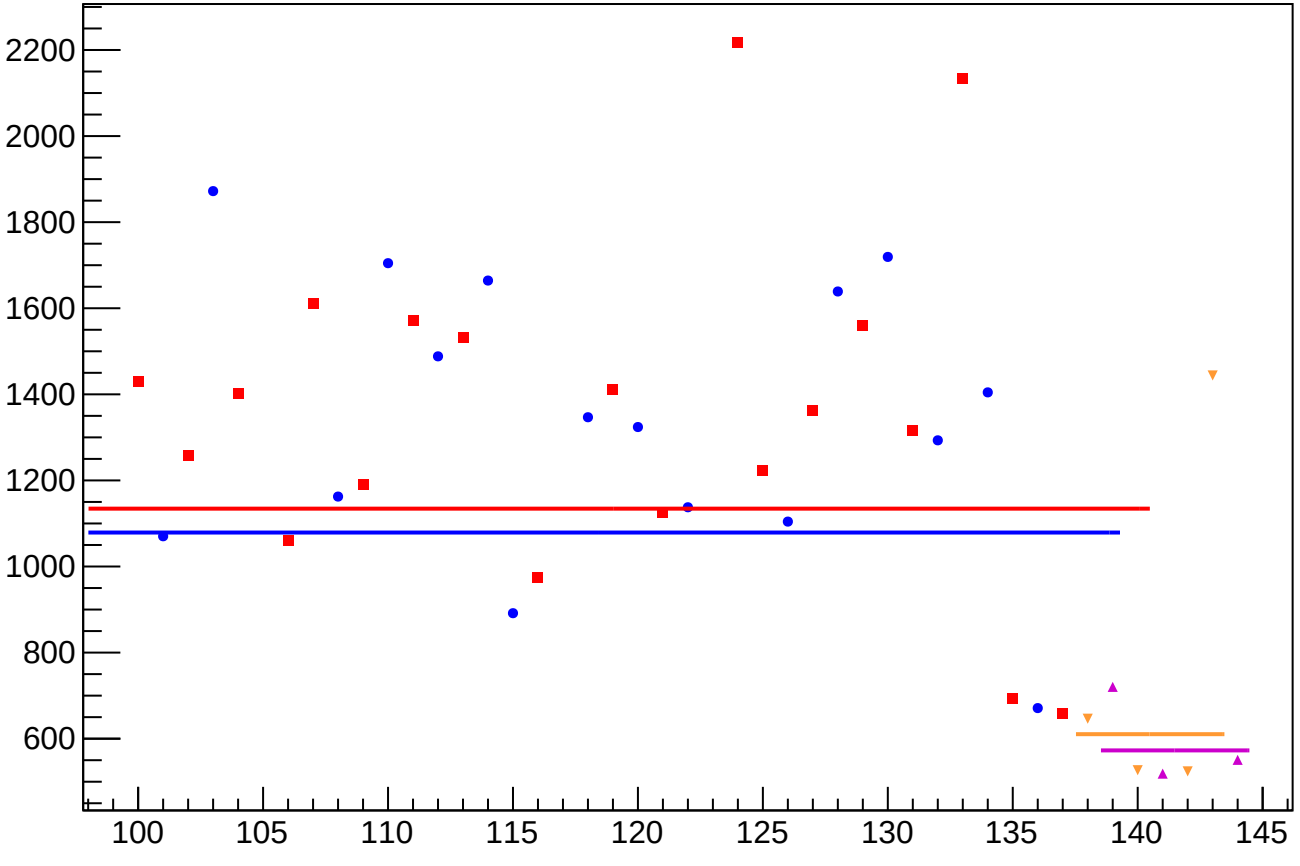
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 258.498+/-273.747 χ^2/NDF:26.2/18

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -23.414+/-198.730 χ^2/NDF: 54.7/41

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: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 572.766+/-0.253 χ^2/NDF:92684.3/2

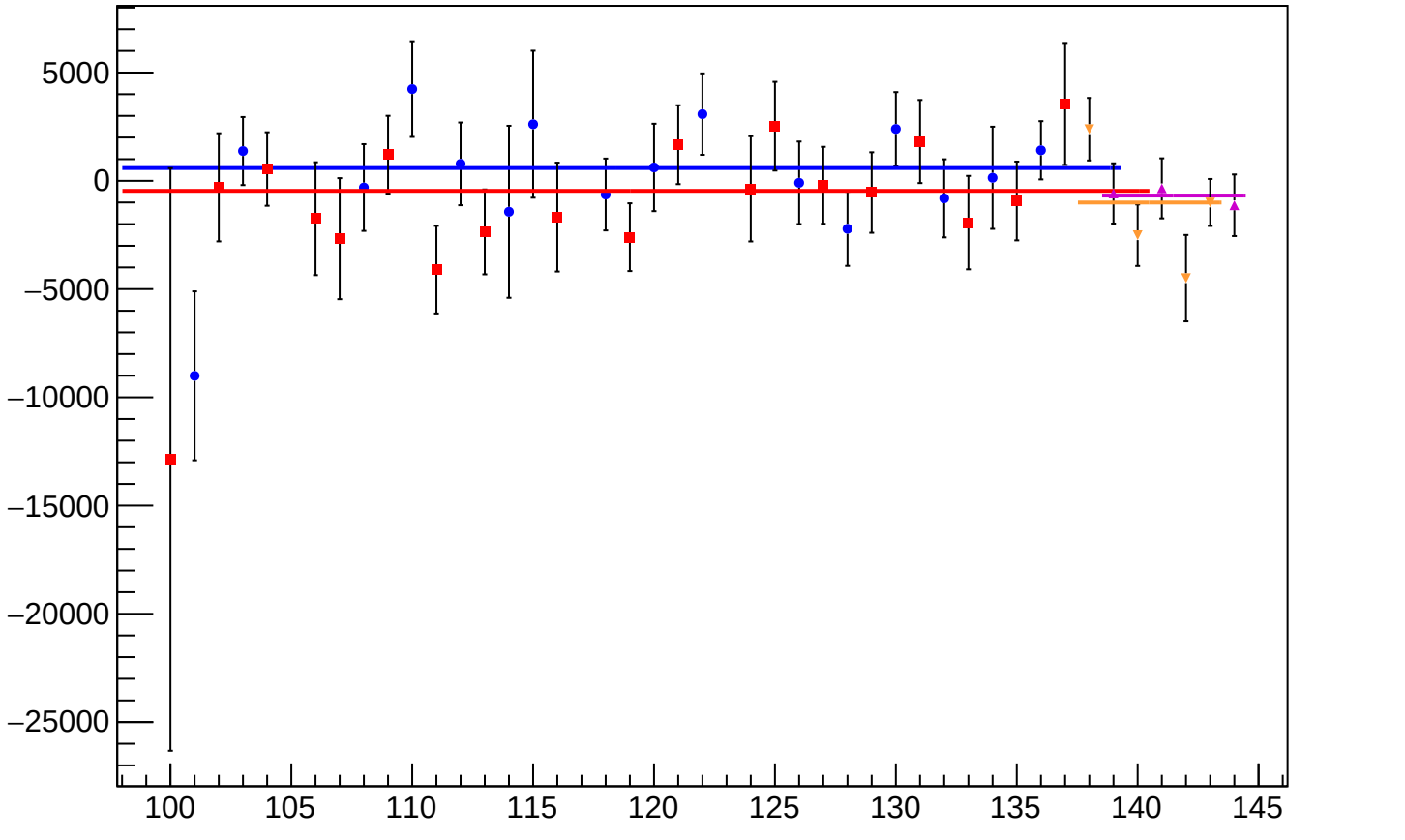
Left: 590.332+/-0.185 χ^2/NDF: 714055.5/6

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 782.112+/-0.194 χ^2/NDF:3229802.5/18

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 807.444+/-0.141 χ^2/NDF: 6777498.6/41



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -679.280+/-808.149 χ^2/NDF:0.2/2

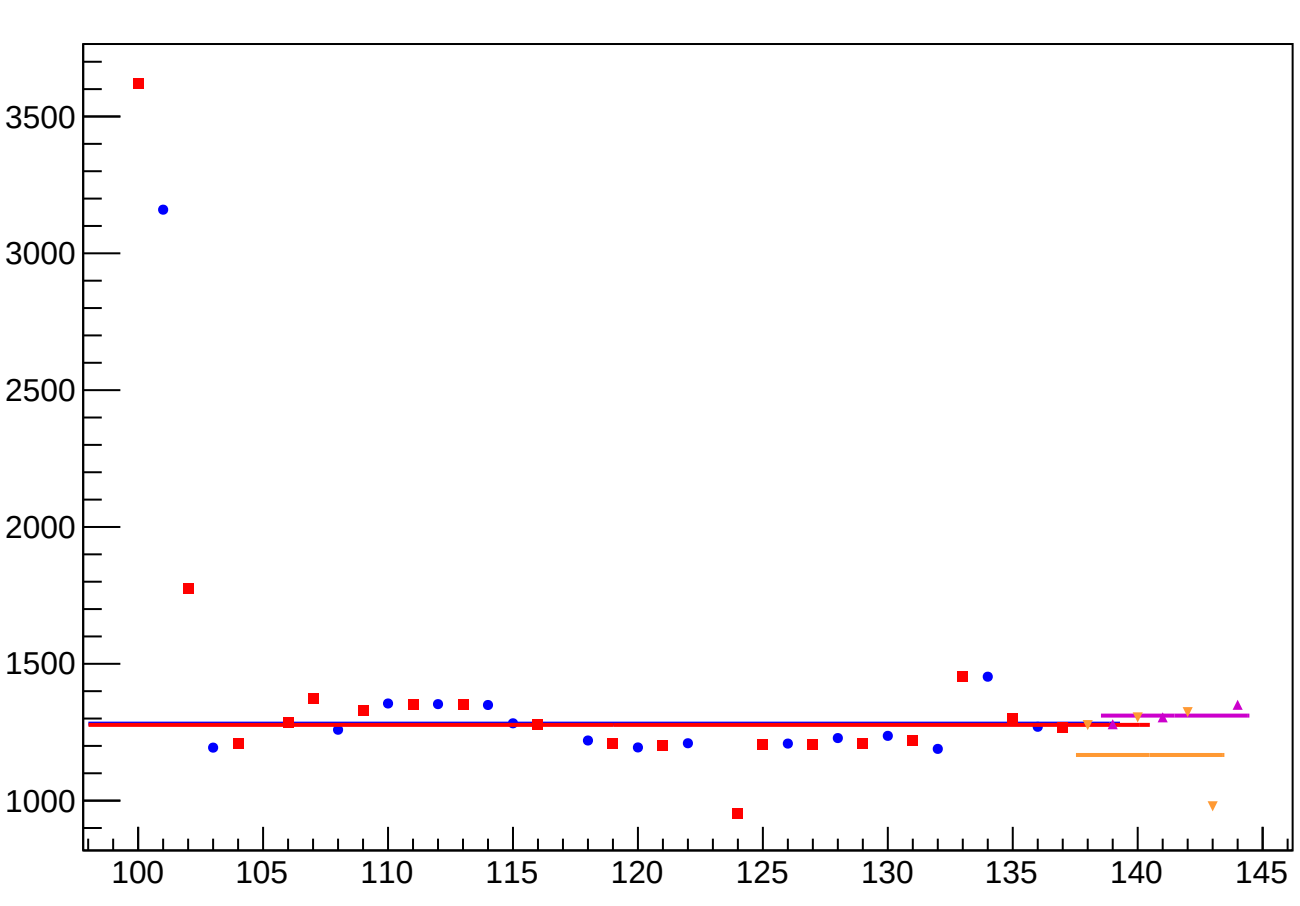
Left: -865.449+/-526.385 χ^2/NDF: 10.0/6

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 253.646+/-416.163 χ^2/NDF:19.1/18

Out: -635.860+/-392.937 χ^2/NDF:26.8/22

All: -216.621+/-285.706 χ^2/NDF: 48.3/41



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

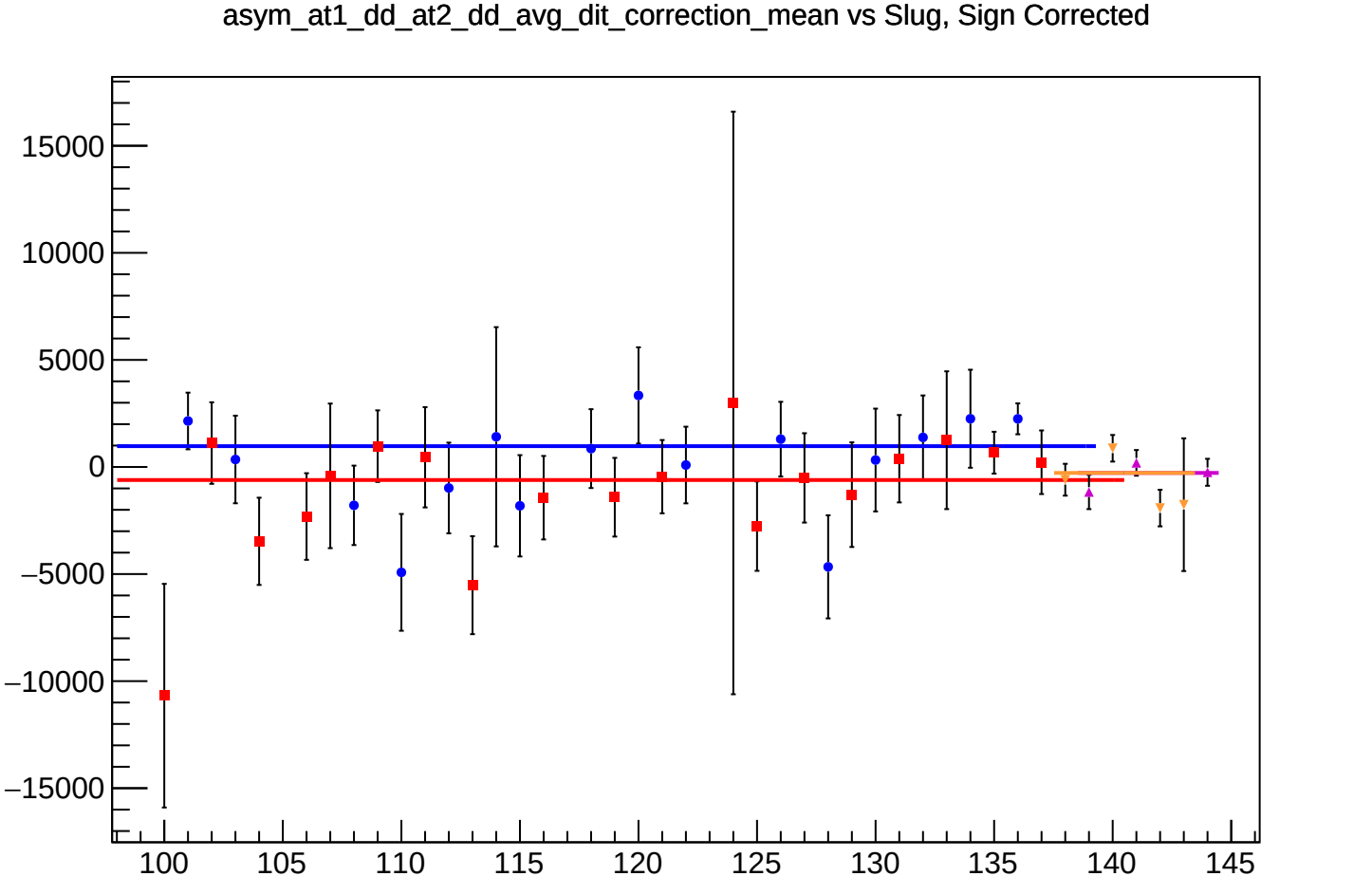
Left: 1227.899+/-0.372 χ^2/NDF: 141420.6/6

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1289.159+/-0.294 χ^2/NDF:511635.8/18

Out: 1241.567+/-0.278 χ^2/NDF:356970.7/22

All: 1263.998+/-0.202 χ^2/NDF: 882435.0/41



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -277.127+/-381.529 χ^2/NDF:1.9/2

Left: -277.309+/-280.086 χ^2/NDF: 9.4/6

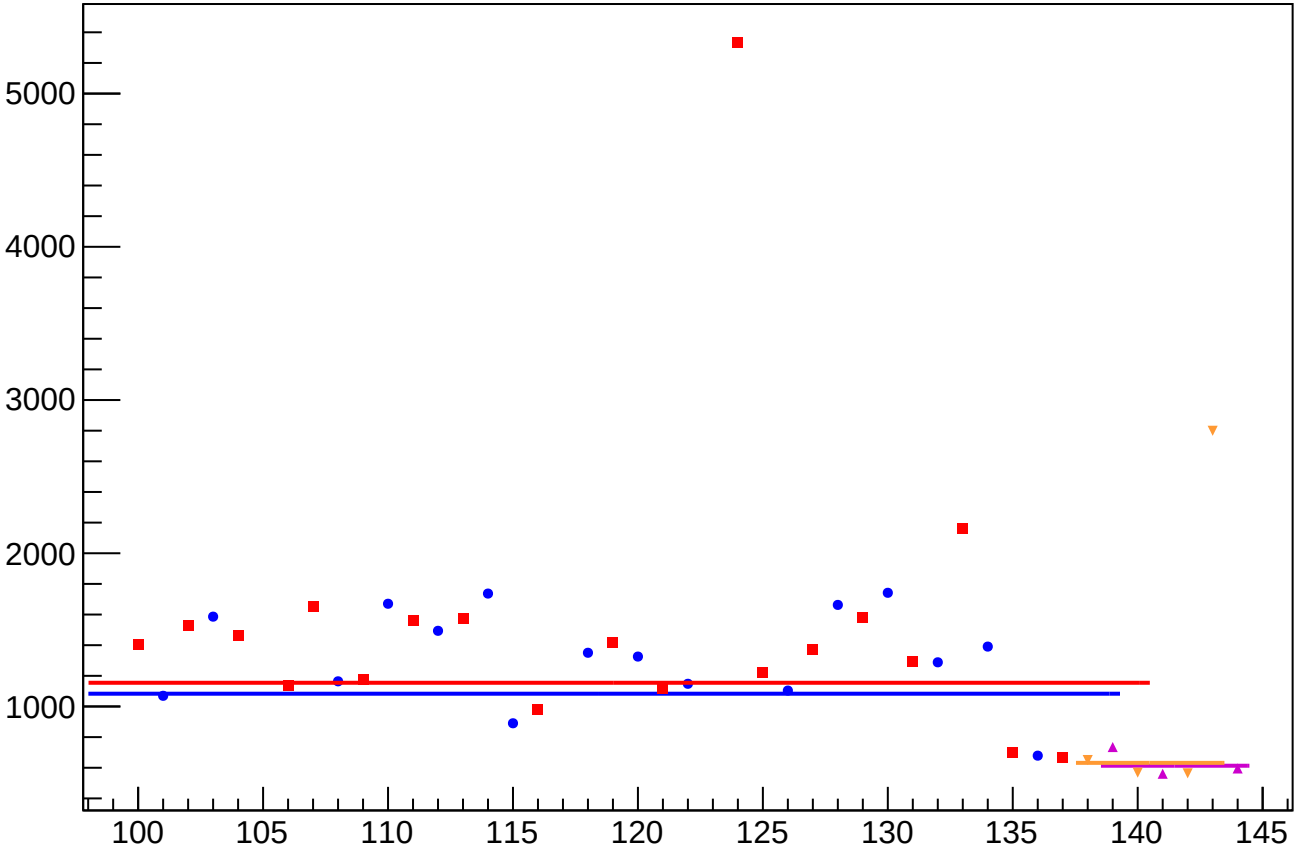
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 280.116+/-283.976 χ^2/NDF:27.1/18

Out: -429.439+/-303.367 χ^2/NDF:25.0/22

All: -51.261+/-207.318 χ^2/NDF: 55.0/41

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 632.036+/-0.292 χ^2/NDF:1013266.7/3

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 613.289+/-0.270 χ^2/NDF:63272.6/2

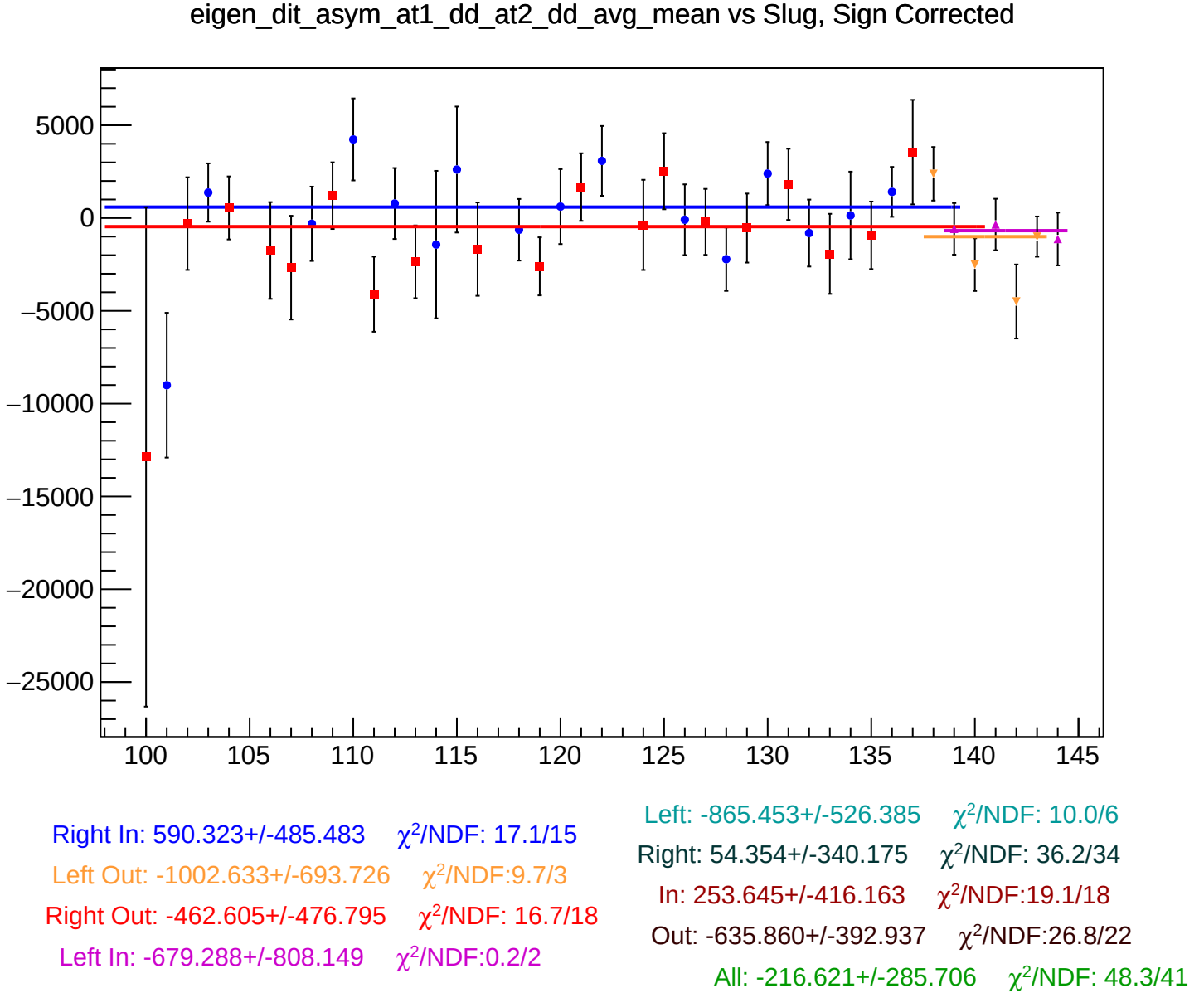
Left: 621.933+/-0.198 χ^2/NDF: 1078765.6/6

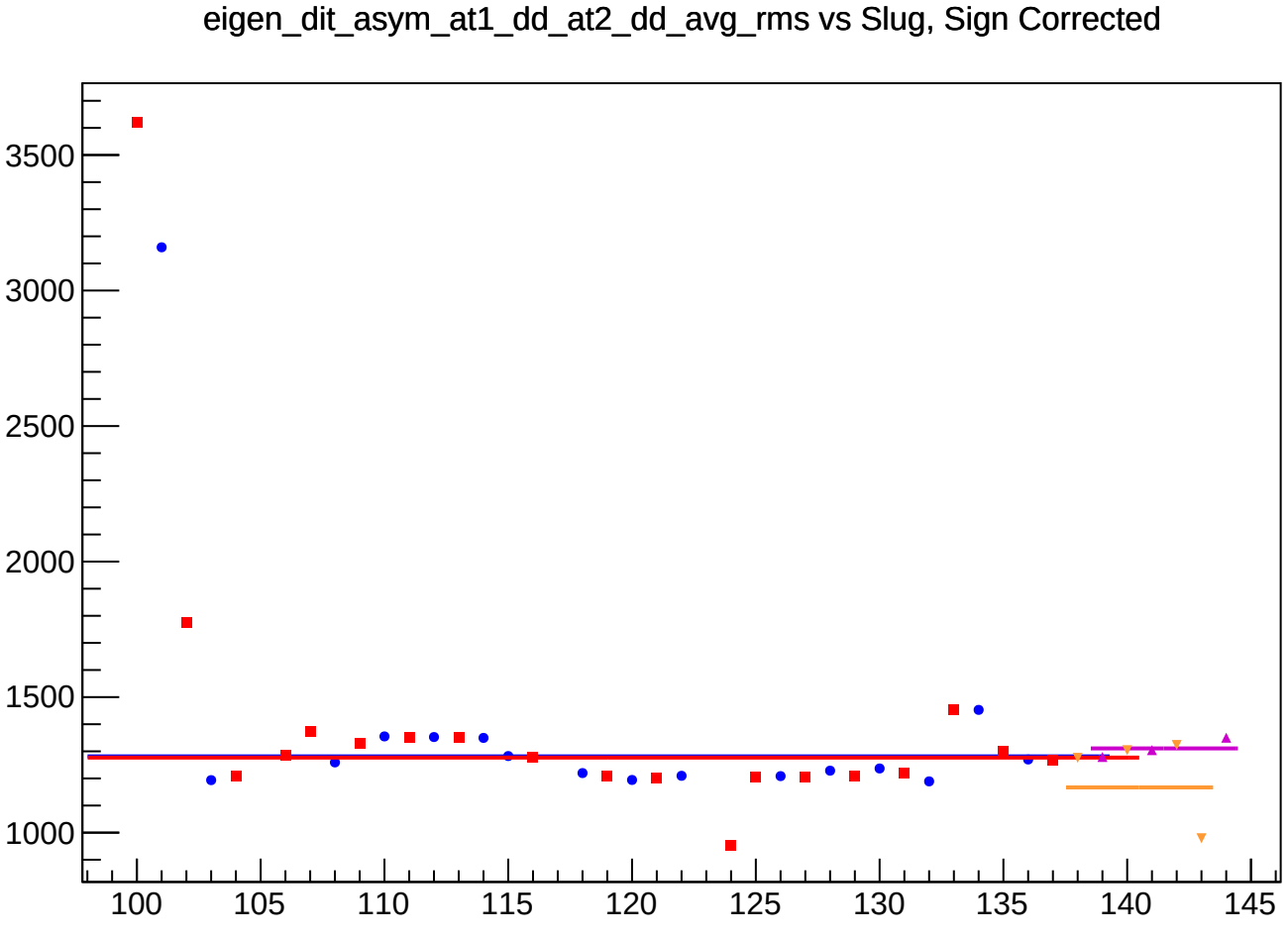
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 822.931+/-0.201 χ^2/NDF:2777343.9/18

Out: 871.996+/-0.215 χ^2/NDF:3975926.5/22

All: 845.845+/-0.147 χ^2/NDF: 6781154.0/41


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -1002.633+/-693.726 χ²/NDF:9.7/3
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -679.288+/-808.149 χ²/NDF:0.2/2
Left: -865.453+/-526.385 χ²/NDF: 10.0/6
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 253.645+/-416.163 χ²/NDF:19.1/18
Out: -635.860+/-392.937 χ²/NDF:26.8/22
All: -216.621+/-285.706 χ²/NDF: 48.3/41



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.3/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1310.746+/-0.571 χ^2/NDF:2615.4/2

Left: 1227.899+/-0.372 χ^2/NDF: 141419.9/6

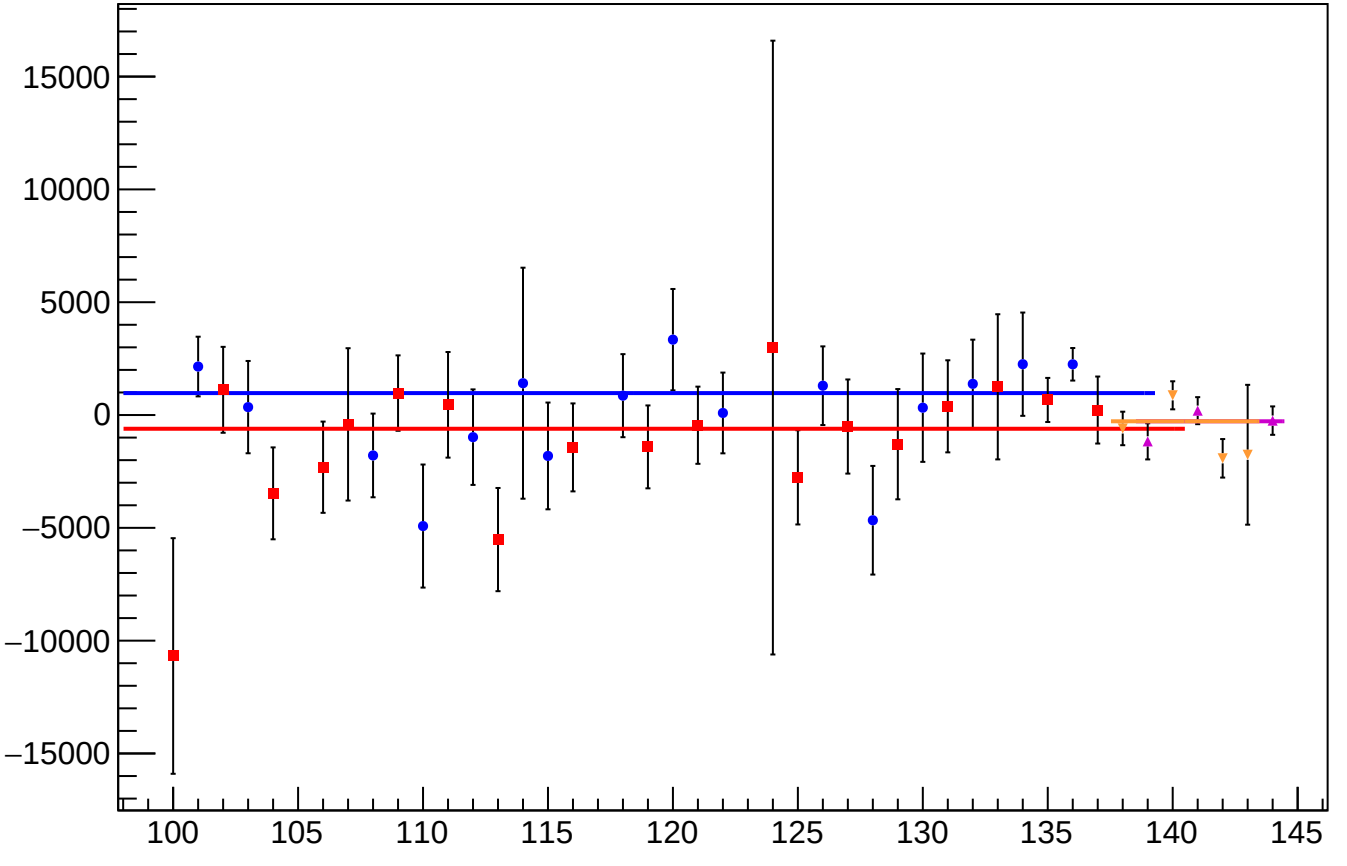
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1289.159+/-0.294 χ^2/NDF:511635.9/18

Out: 1241.567+/-0.278 χ^2/NDF:356969.7/22

All: 1263.998+/-0.202 χ^2/NDF: 882434.1/41

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: -277.526+/-412.486 χ^2/NDF:7.5/3

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -277.126+/-381.531 χ^2/NDF:1.9/2

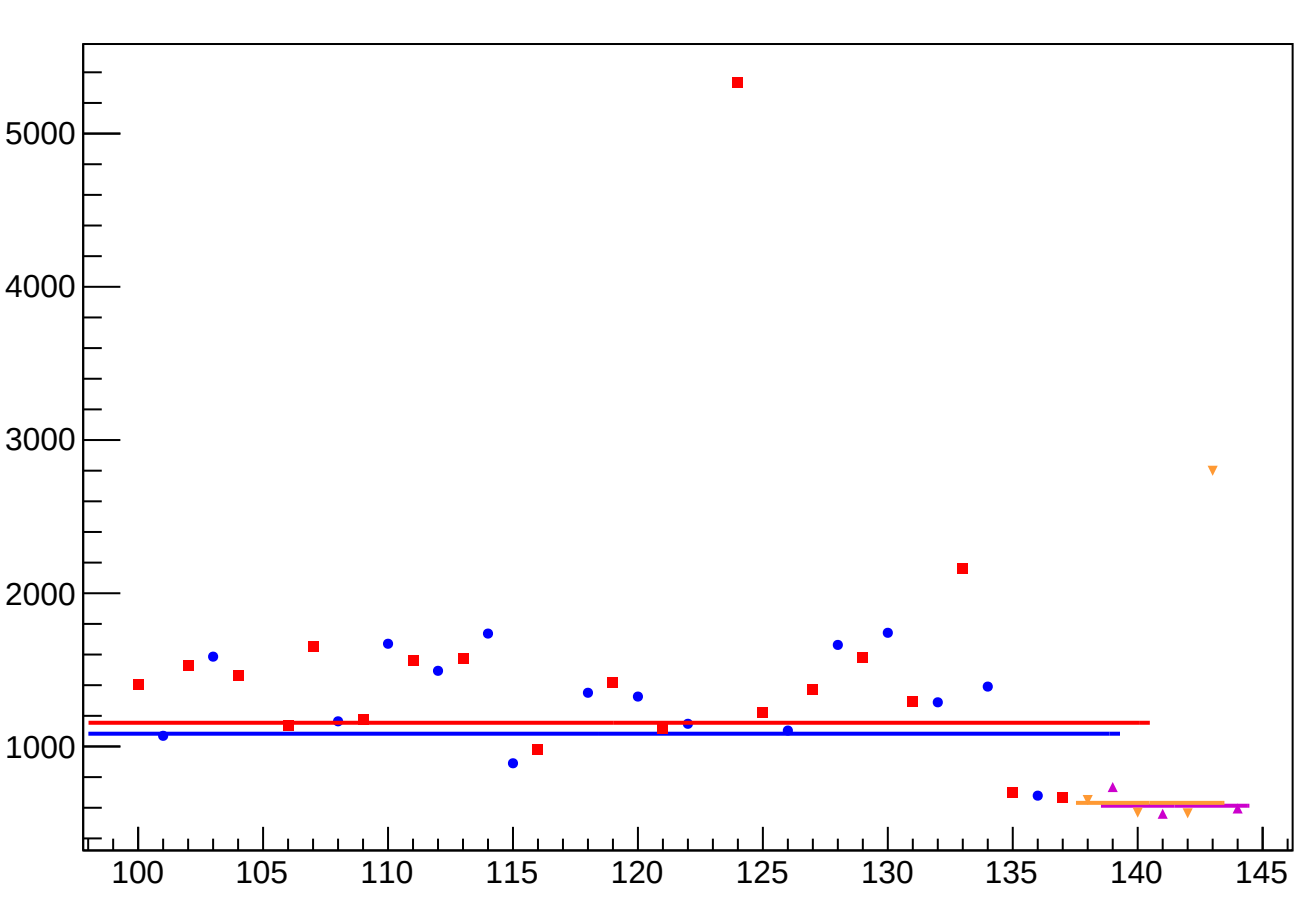
Left: -277.310+/-280.088 χ^2/NDF: 9.4/6

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 280.114+/-283.977 χ^2/NDF:27.1/18

Out: -429.446+/-303.369 χ^2/NDF:25.0/22

All: -51.264+/-207.319 χ^2/NDF: 55.0/41



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 632.041+/-0.292 χ^2/NDF:1013265.5/3

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 613.291+/-0.270 χ^2/NDF:63279.1/2

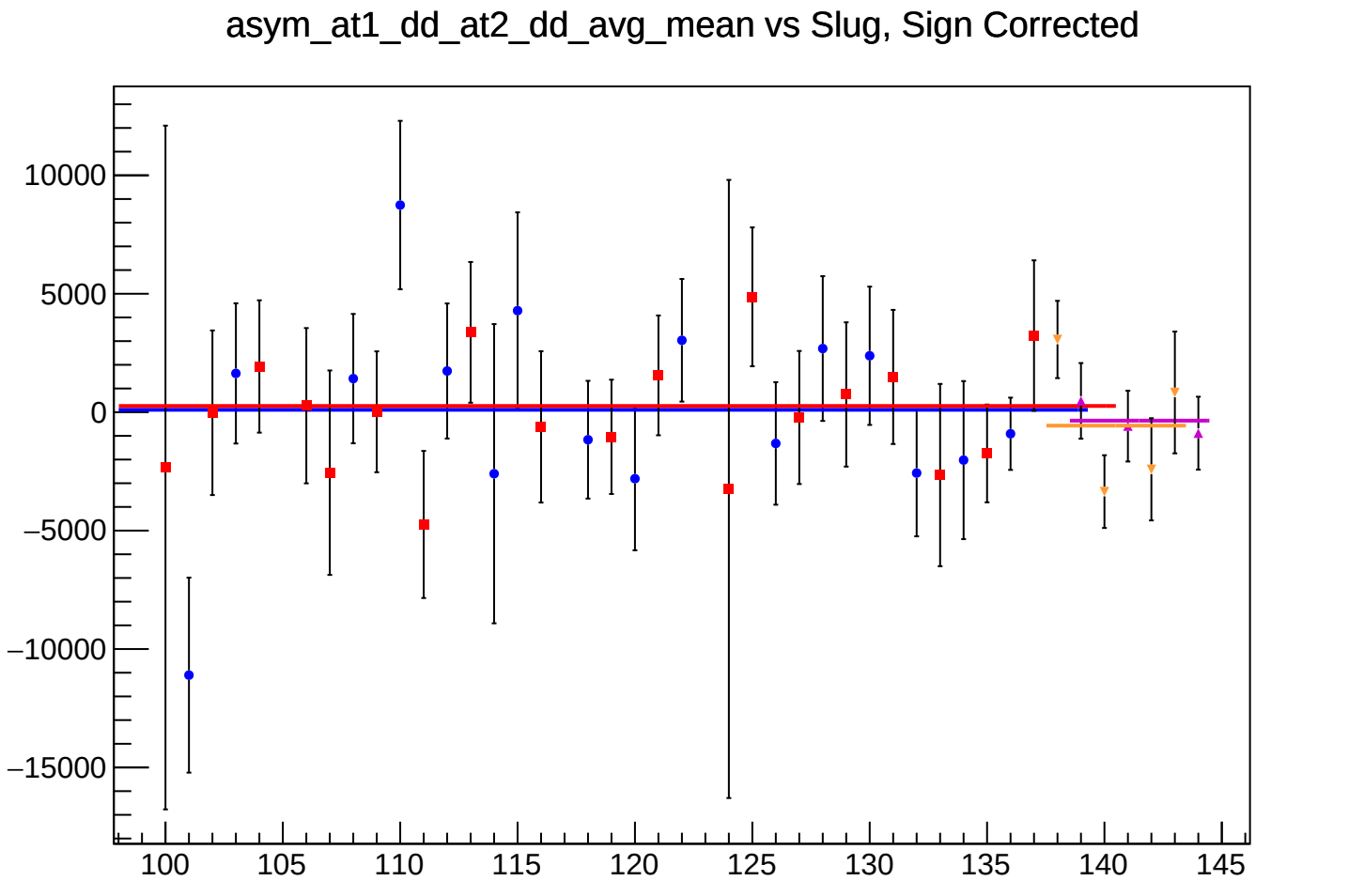
Left: 621.936+/-0.198 χ^2/NDF: 1078771.8/6

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 822.935+/-0.201 χ^2/NDF:2777308.1/18

Out: 872.003+/-0.215 χ^2/NDF:3975864.1/22

All: 845.851+/-0.147 χ^2/NDF: 6781059.4/41



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -356.727+/-890.495 χ^2/NDF:0.4/2

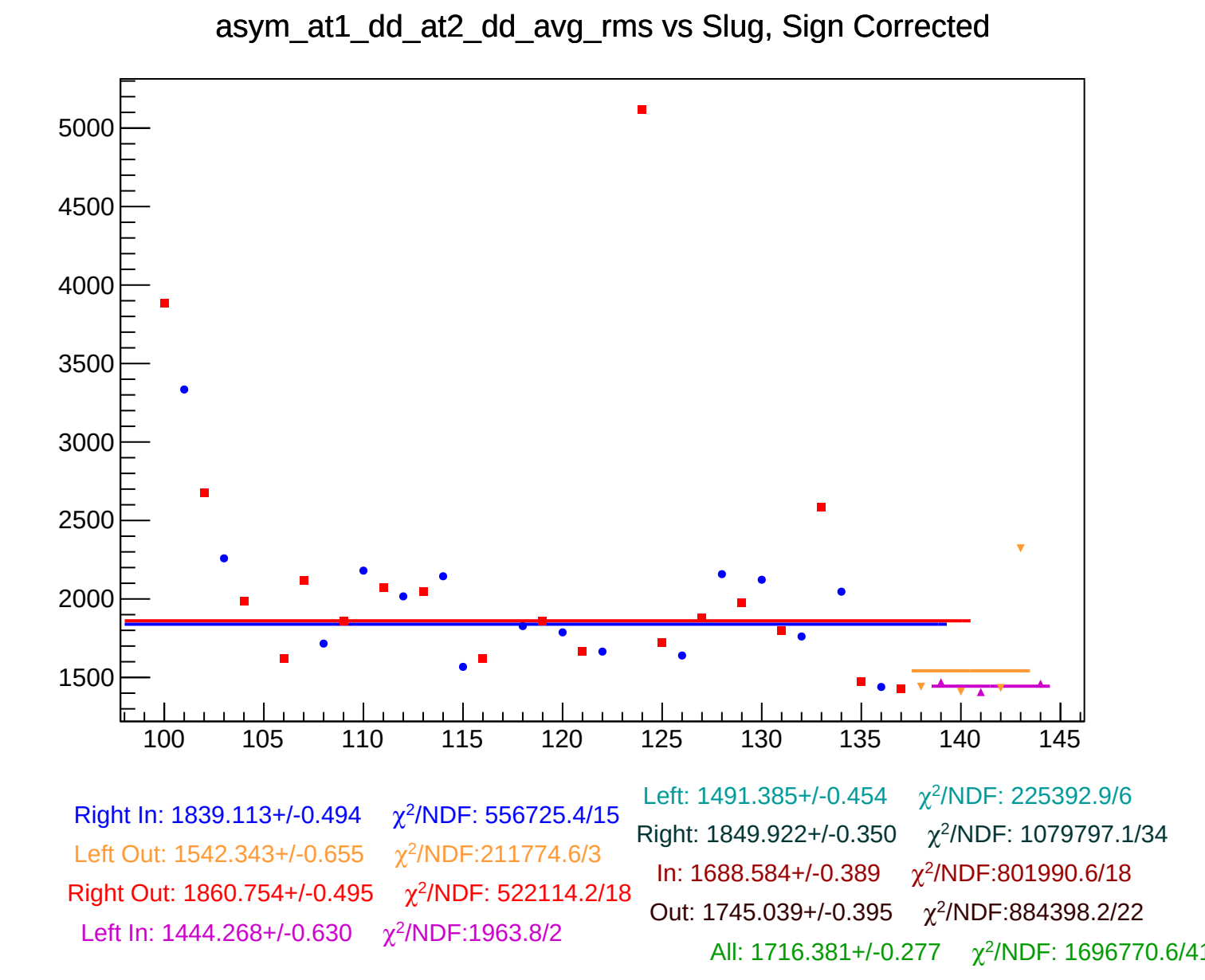
Left: -458.031+/-641.888 χ^2/NDF: 9.7/6

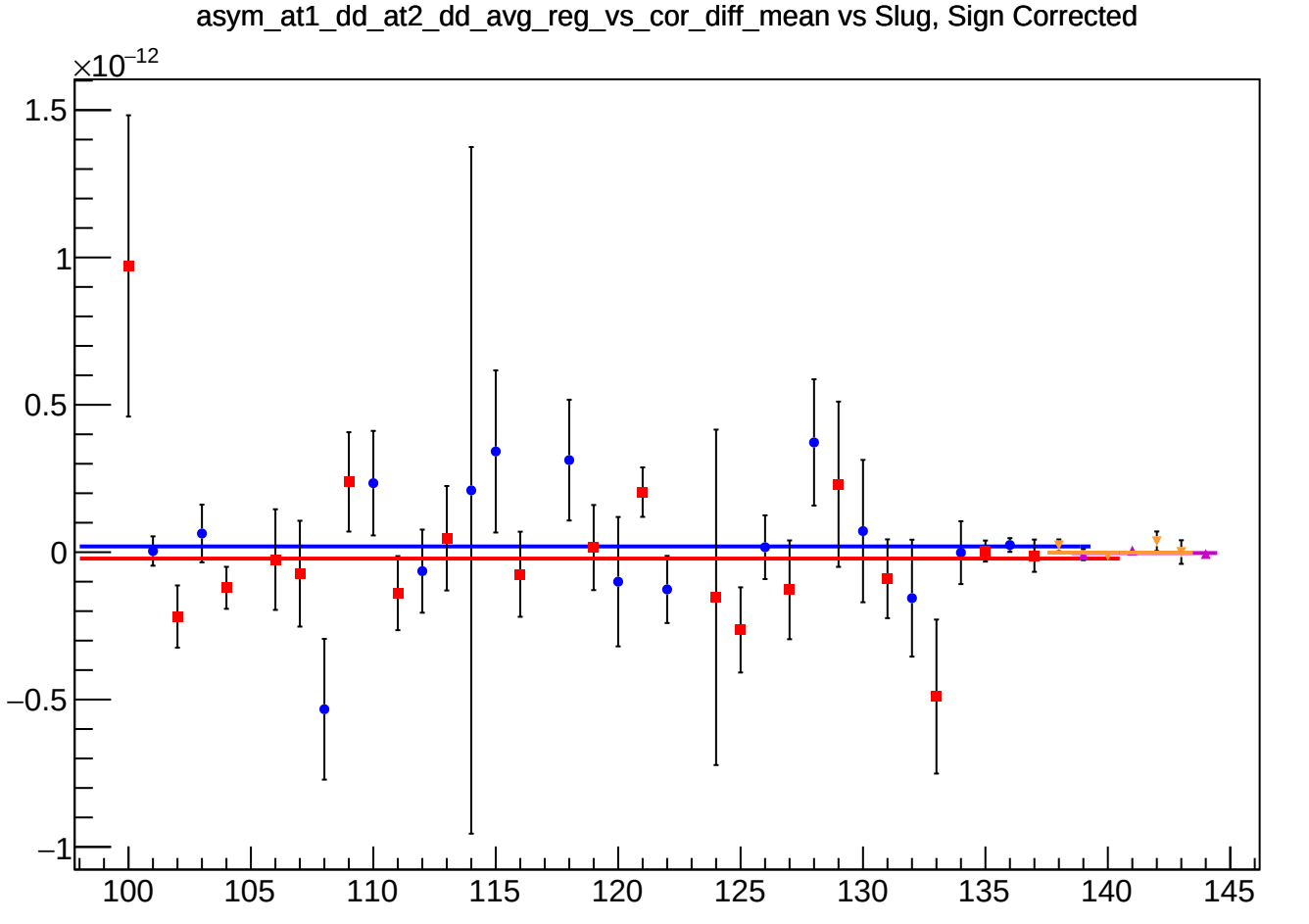
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

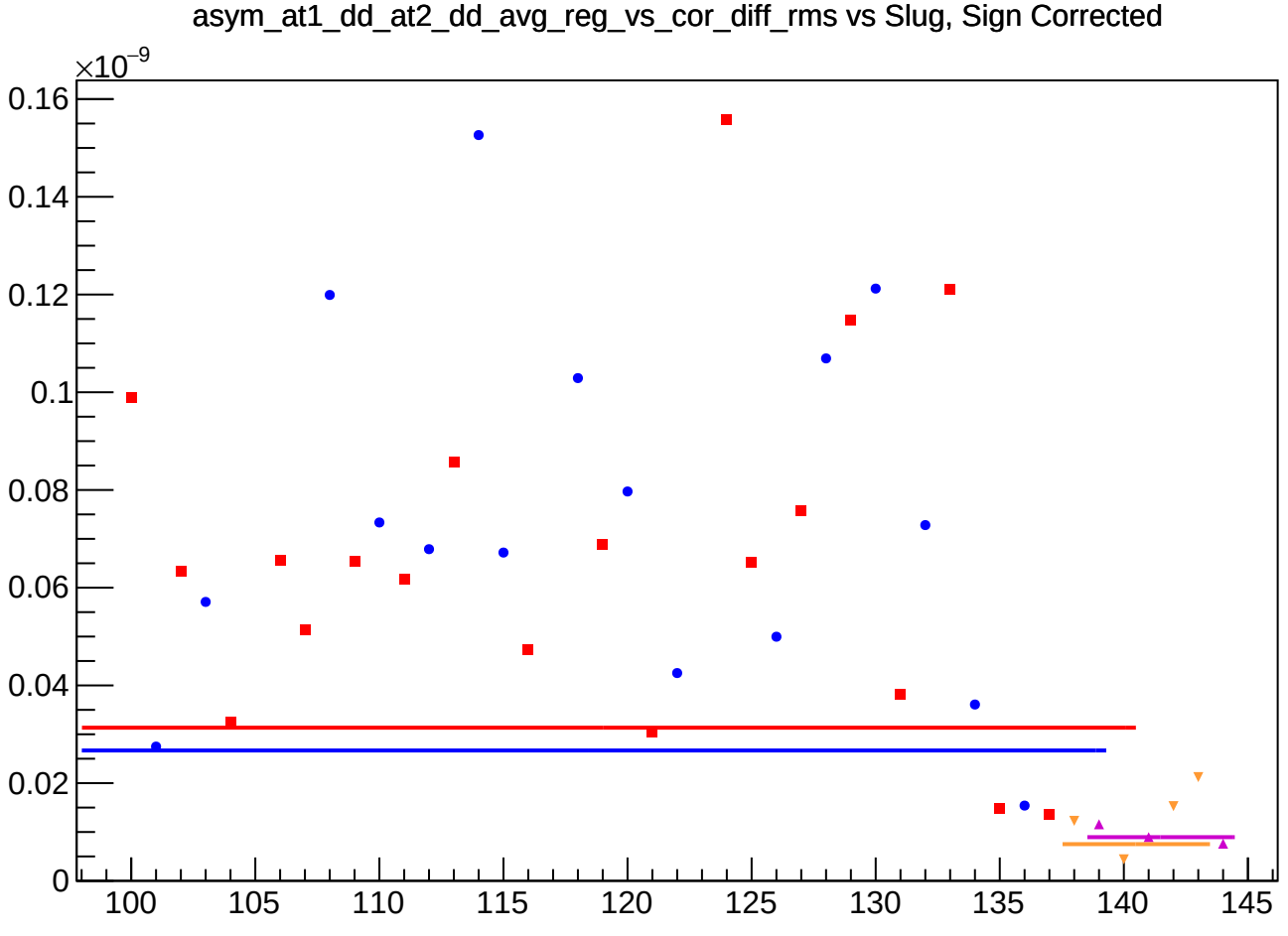
In: -73.842+/-549.831 χ^2/NDF:21.9/18

Out: -39.025+/-558.282 χ^2/NDF:20.1/22

All: -56.699+/-391.743 χ^2/NDF: 42.0/41


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1542.343+/-0.655 χ²/NDF:211774.6/3
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1444.268+/-0.630 χ²/NDF:1963.8/2
Left: 1491.385+/-0.454 χ²/NDF: 225392.9/6
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1688.584+/-0.389 χ²/NDF:801990.6/18
Out: 1745.039+/-0.395 χ²/NDF:884398.2/22
All: 1716.381+/-0.277 χ²/NDF: 1696770.6/41


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 16.5/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/3
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.4/2
Left: -0.000+/-0.000 χ²/NDF: 4.4/6
Right: 0.000+/-0.000 χ²/NDF: 46.7/34
In: 0.000+/-0.000 χ²/NDF:18.1/18
Out: -0.000+/-0.000 χ²/NDF:32.8/22
All: -0.000+/-0.000 χ²/NDF: 51.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:623688.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:59789.1/2

Left: 0.000+/-0.000 χ^2/NDF: 708949.8/6

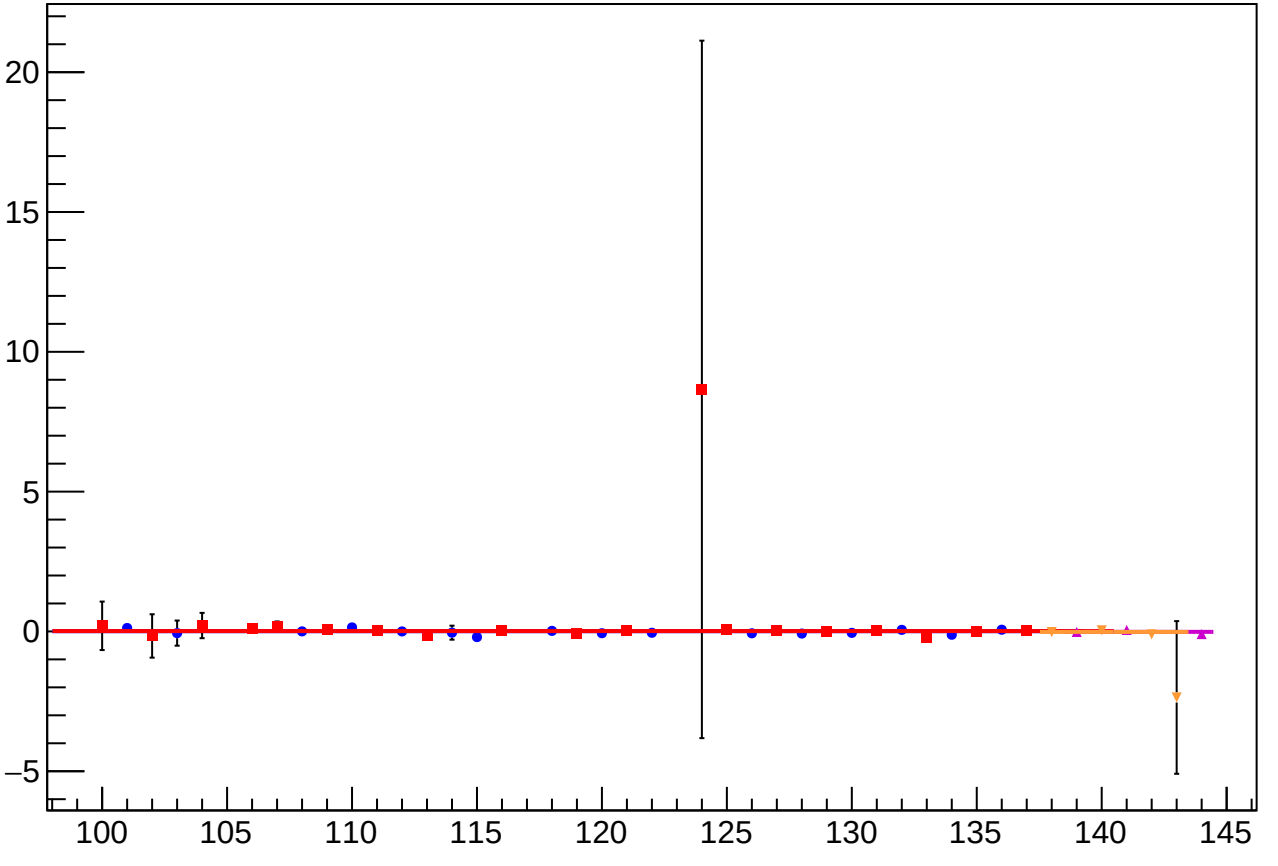
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4086049.9/18

Out: 0.000+/-0.000 χ^2/NDF:4872465.0/22

All: 0.000+/-0.000 χ^2/NDF: 8992530.1/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

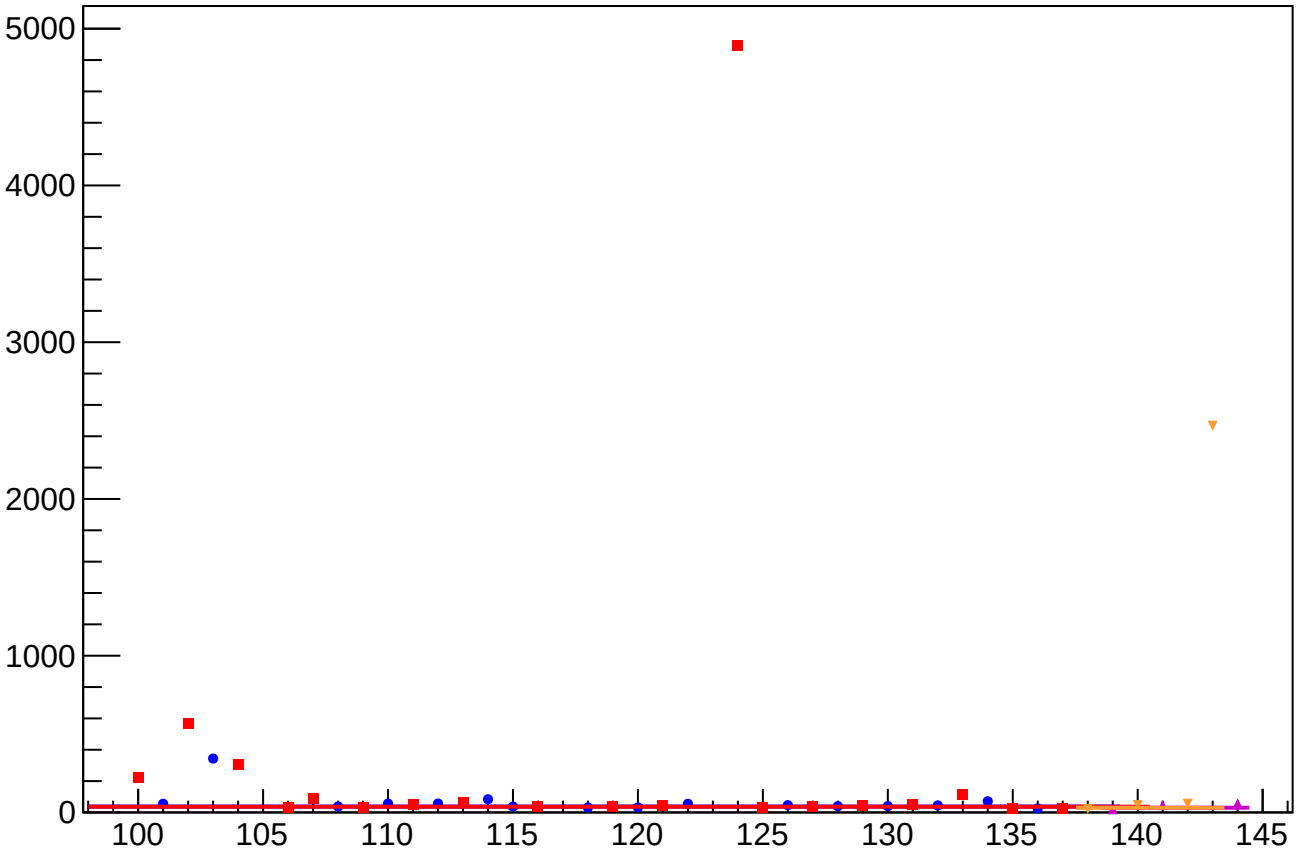
Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

Left: 30.105+/-0.012 χ^2/NDF: 2983182.0/6

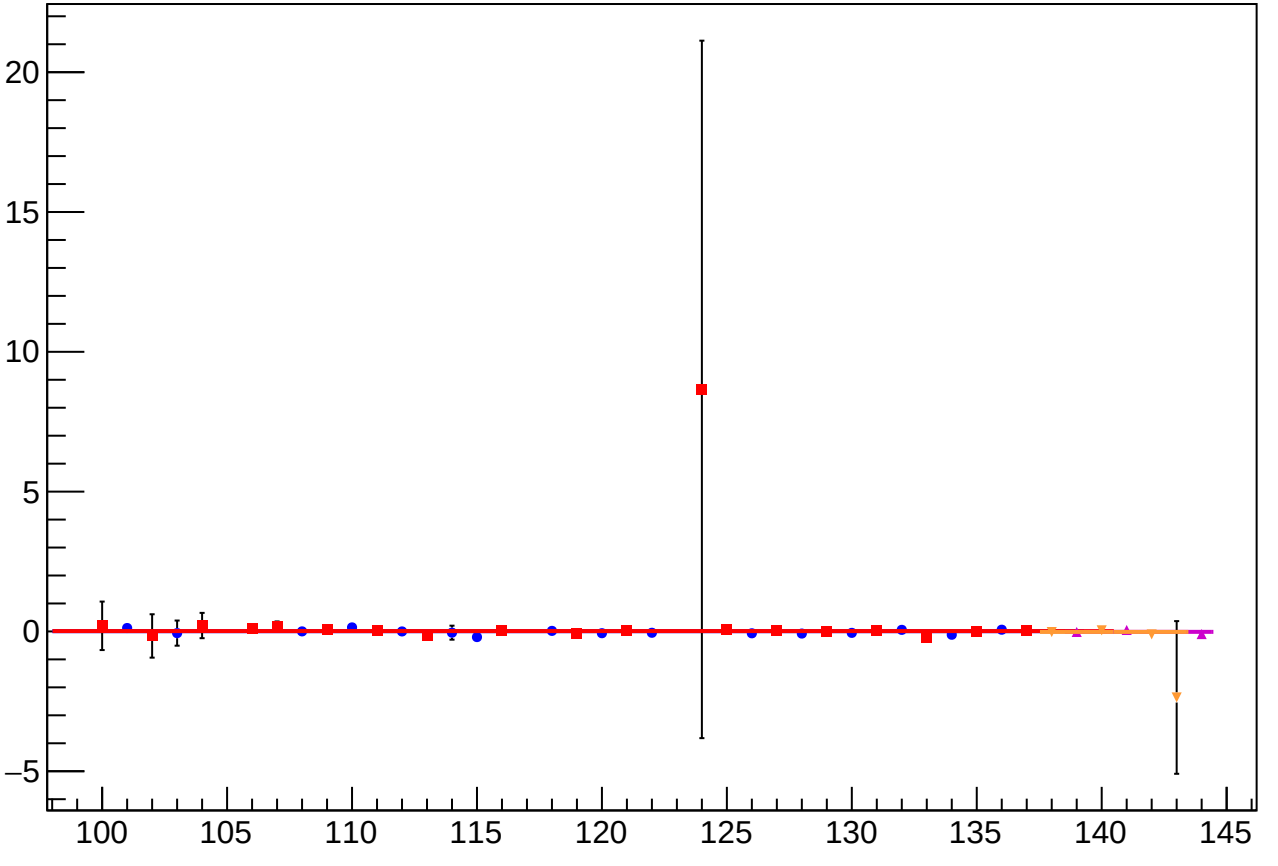
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.048+/-0.009 χ^2/NDF:2979889.0/18

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.828+/-0.007 χ^2/NDF: 8403078.6/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

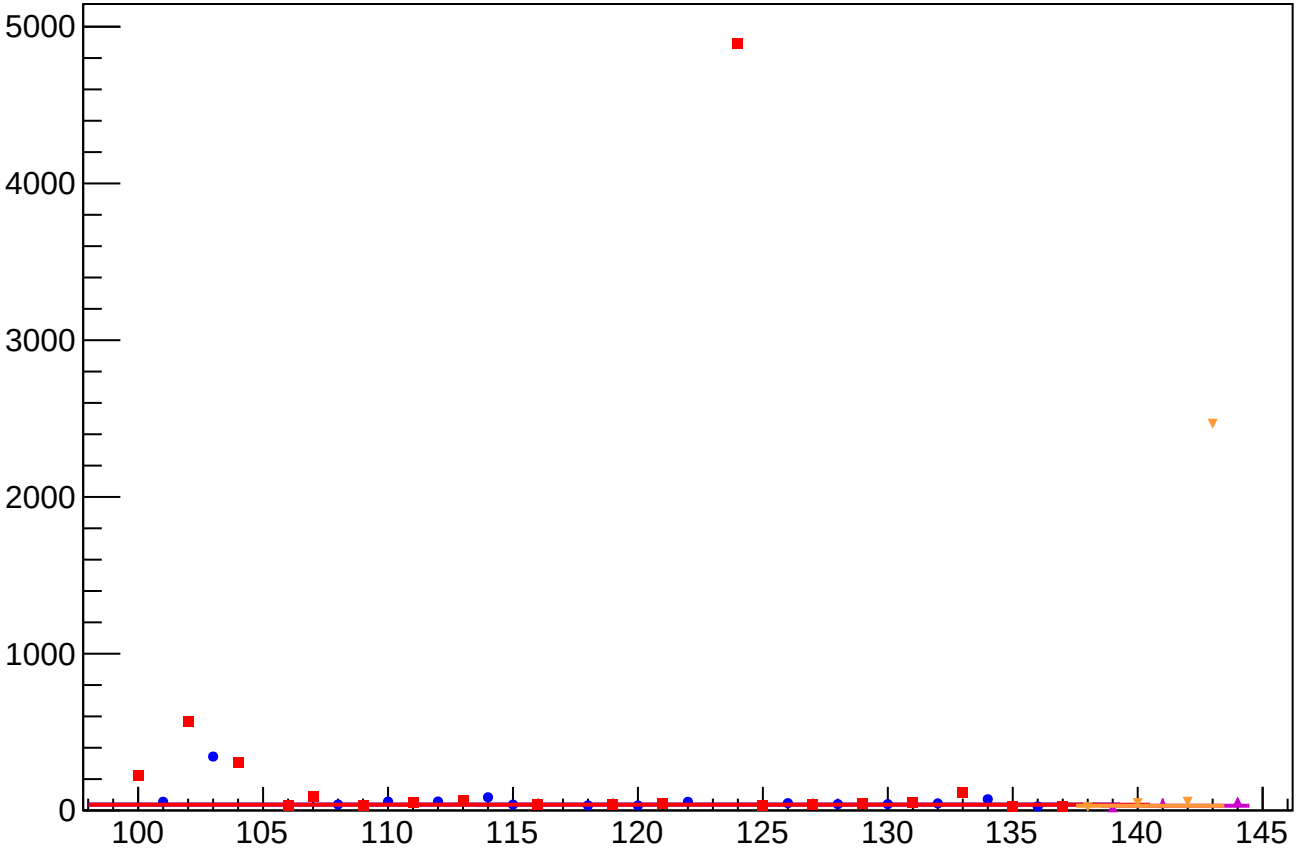
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 30.222+/-0.016 χ^2/NDF:858946.8/2

Left: 30.105+/-0.012 χ^2/NDF: 2983182.0/6

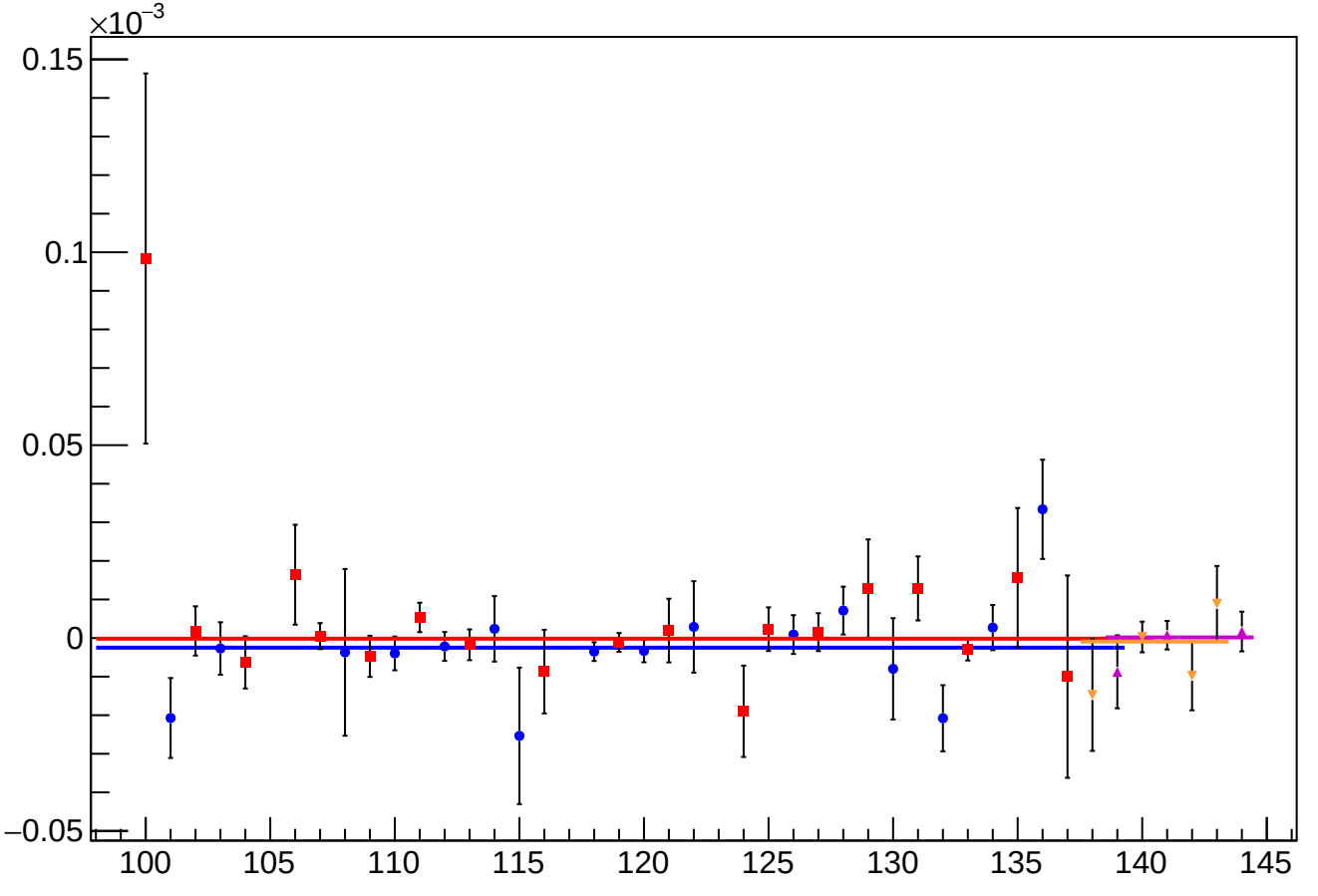
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.048+/-0.009 χ^2/NDF:2979889.0/18

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.828+/-0.007 χ^2/NDF: 8403078.6/41

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

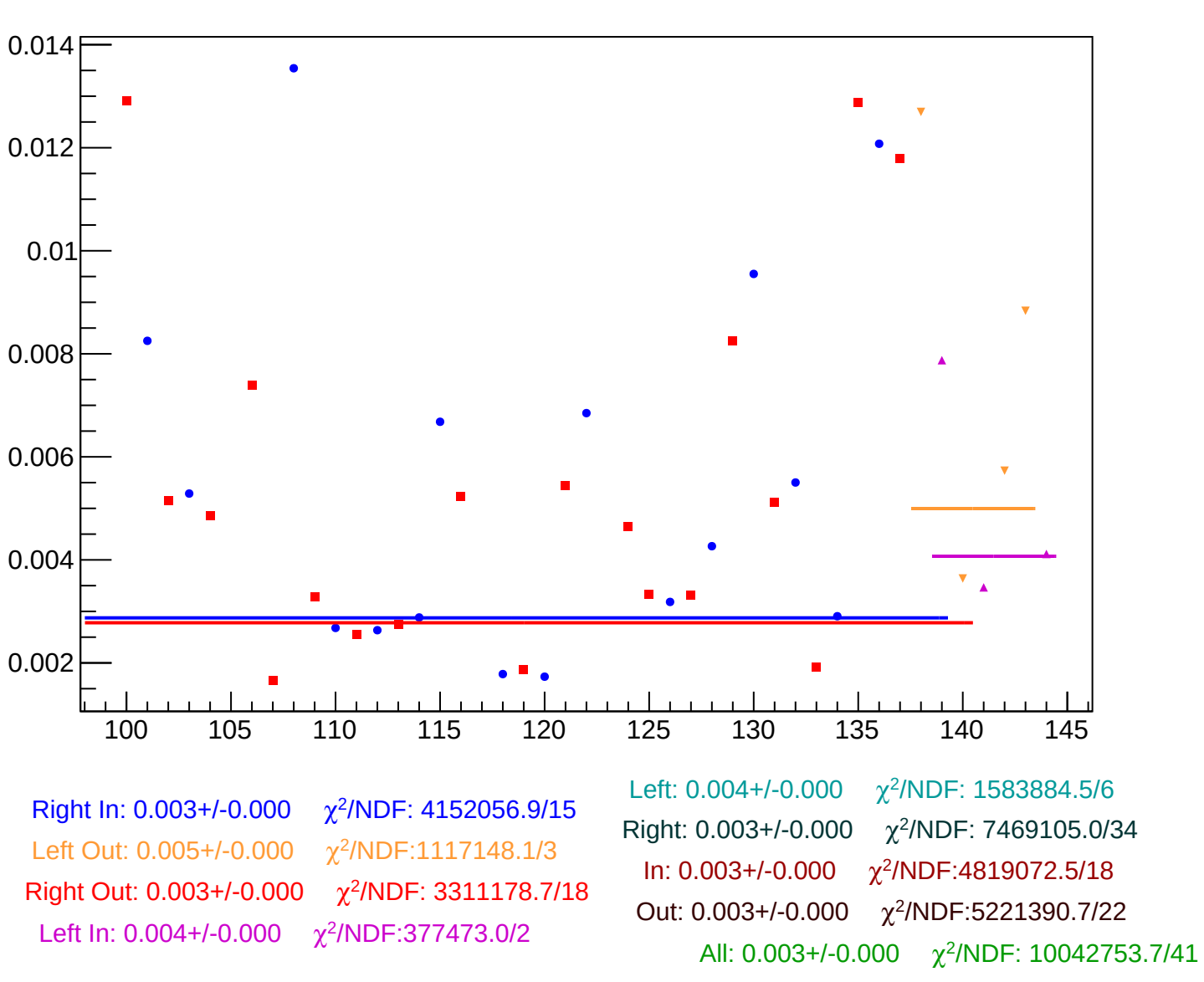
Left: -0.000+/-0.000 χ^2/NDF: 4.0/6

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

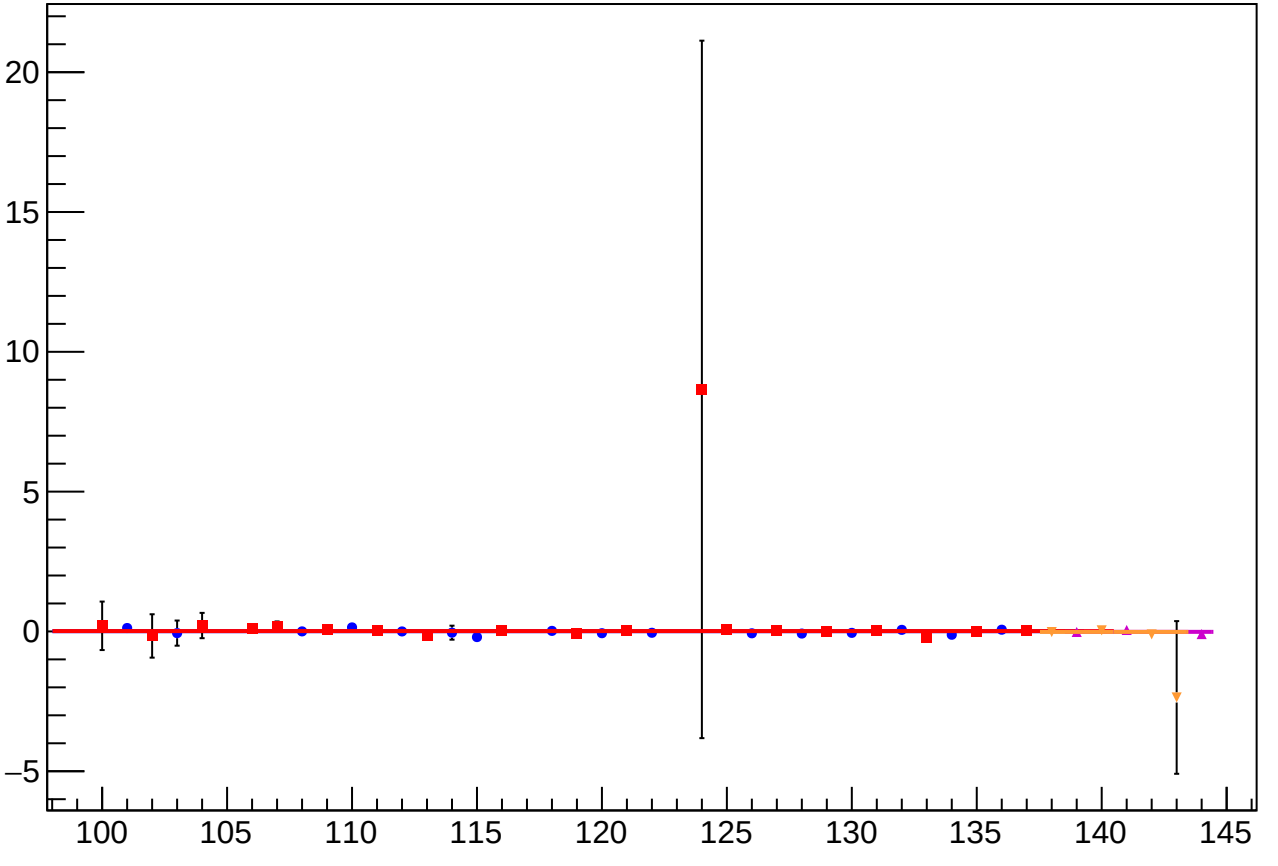
In: -0.000+/-0.000 χ^2/NDF:23.6/18

Out: -0.000+/-0.000 χ^2/NDF:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 46.7/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1117148.1/3
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:377473.0/2
Left: 0.004+/-0.000 χ²/NDF: 1583884.5/6
Right: 0.003+/-0.000 χ²/NDF: 7469105.0/34
In: 0.003+/-0.000 χ²/NDF:4819072.5/18
Out: 0.003+/-0.000 χ²/NDF:5221390.7/22
All: 0.003+/-0.000 χ²/NDF: 10042753.7/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

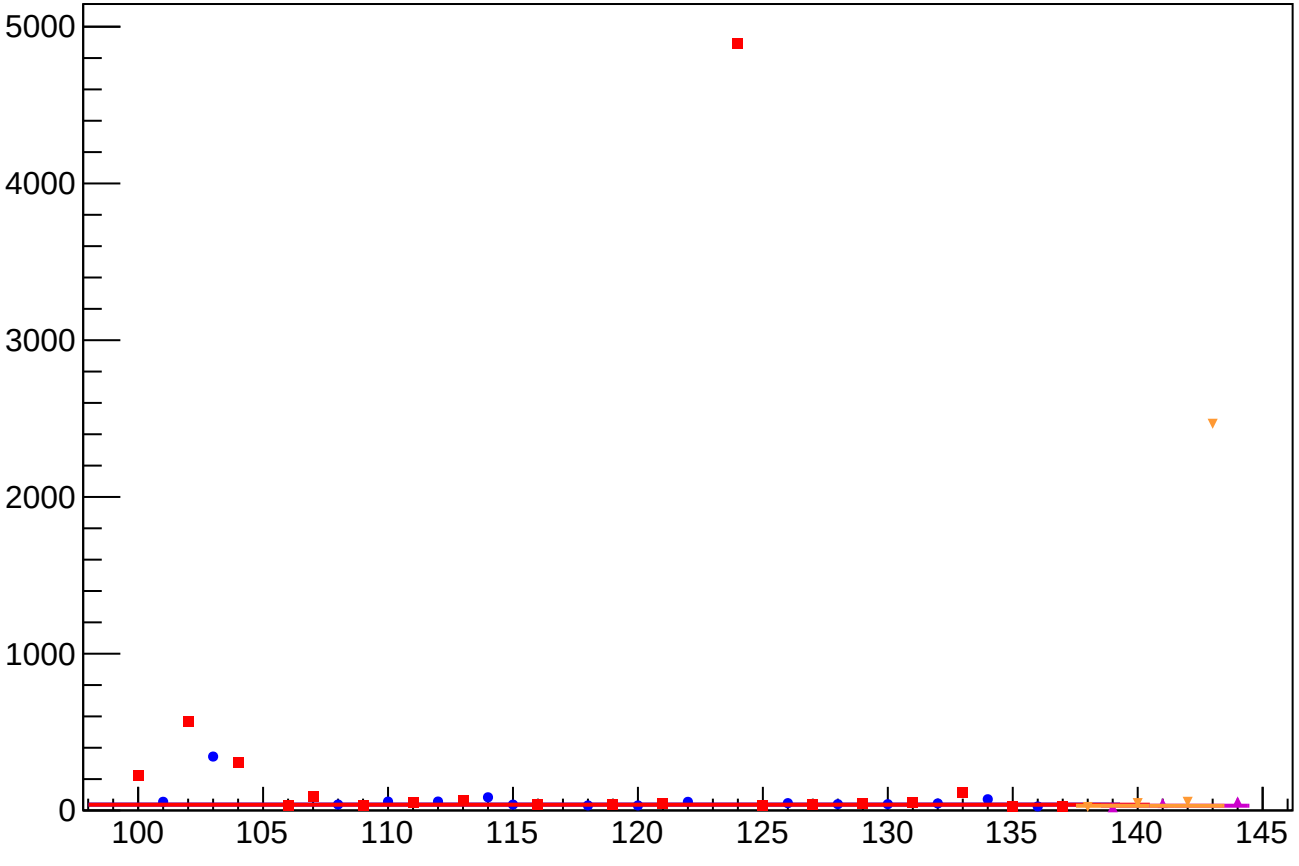
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

Left: 30.109+/-0.012 χ^2/NDF: 2982940.8/6

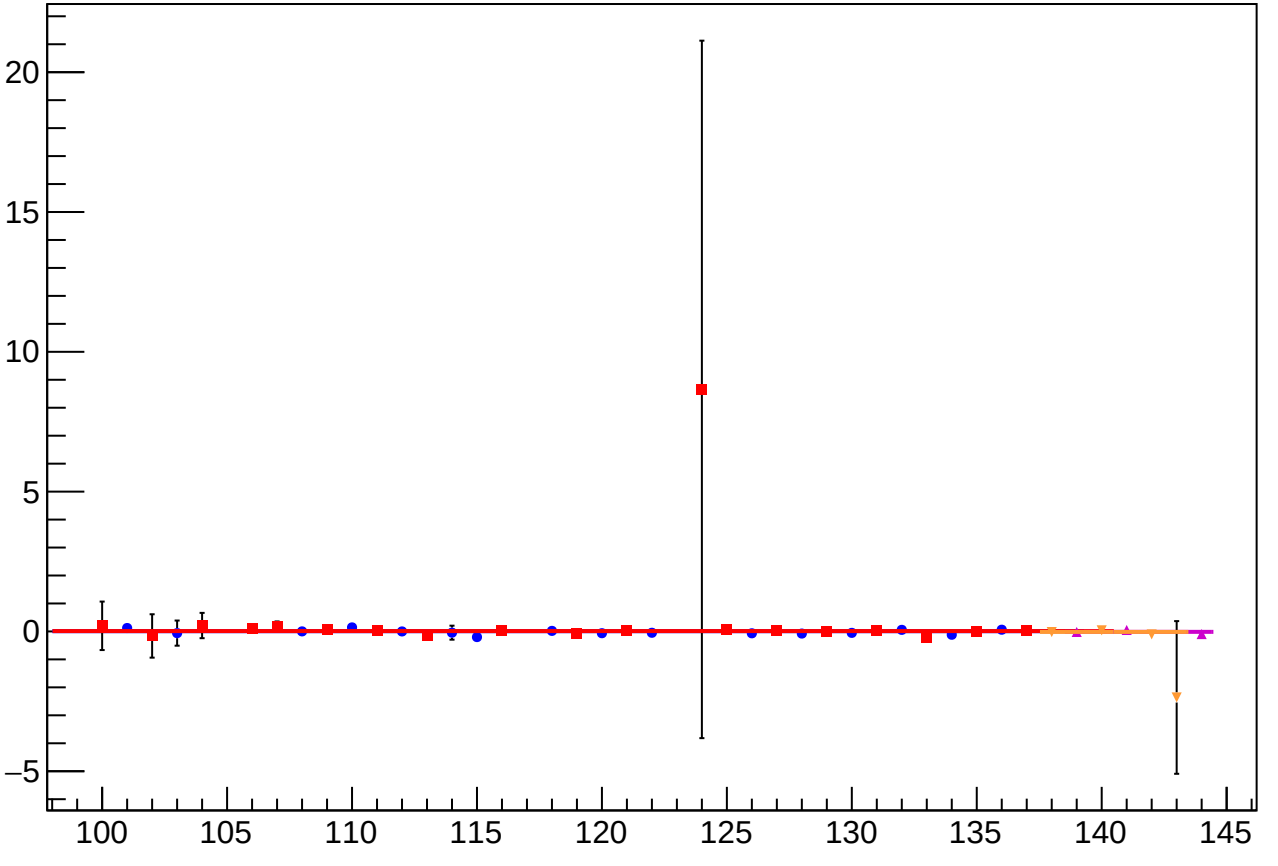
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.052+/-0.009 χ^2/NDF:2978862.0/18

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.830+/-0.007 χ^2/NDF: 8402271.0/41

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.023 χ^2/NDF:3.3/2

Left: -0.016+/-0.017 χ^2/NDF: 6.3/6

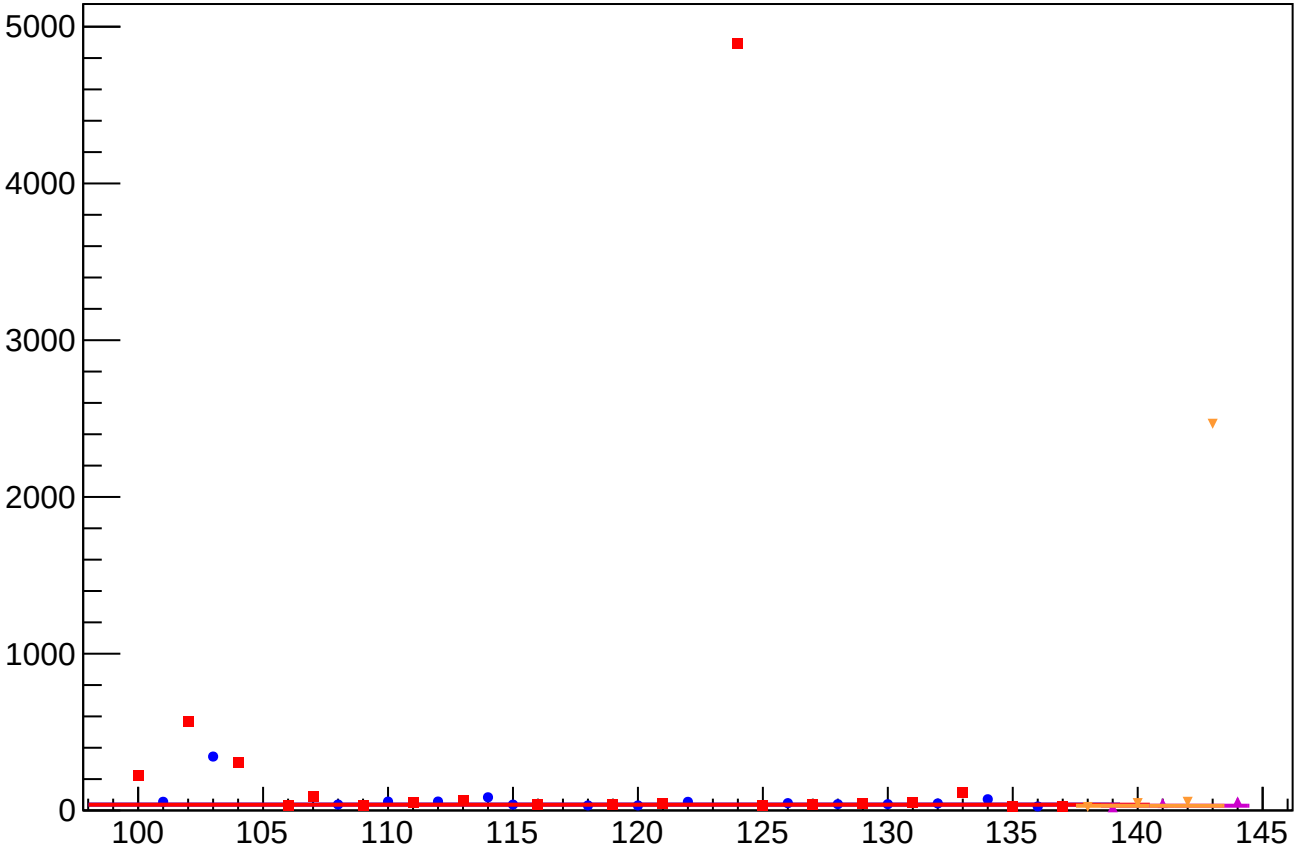
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.013 χ^2/NDF:23.2/18

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.002+/-0.009 χ^2/NDF: 39.9/41

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 30.232+/-0.016 χ^2/NDF:858389.9/2

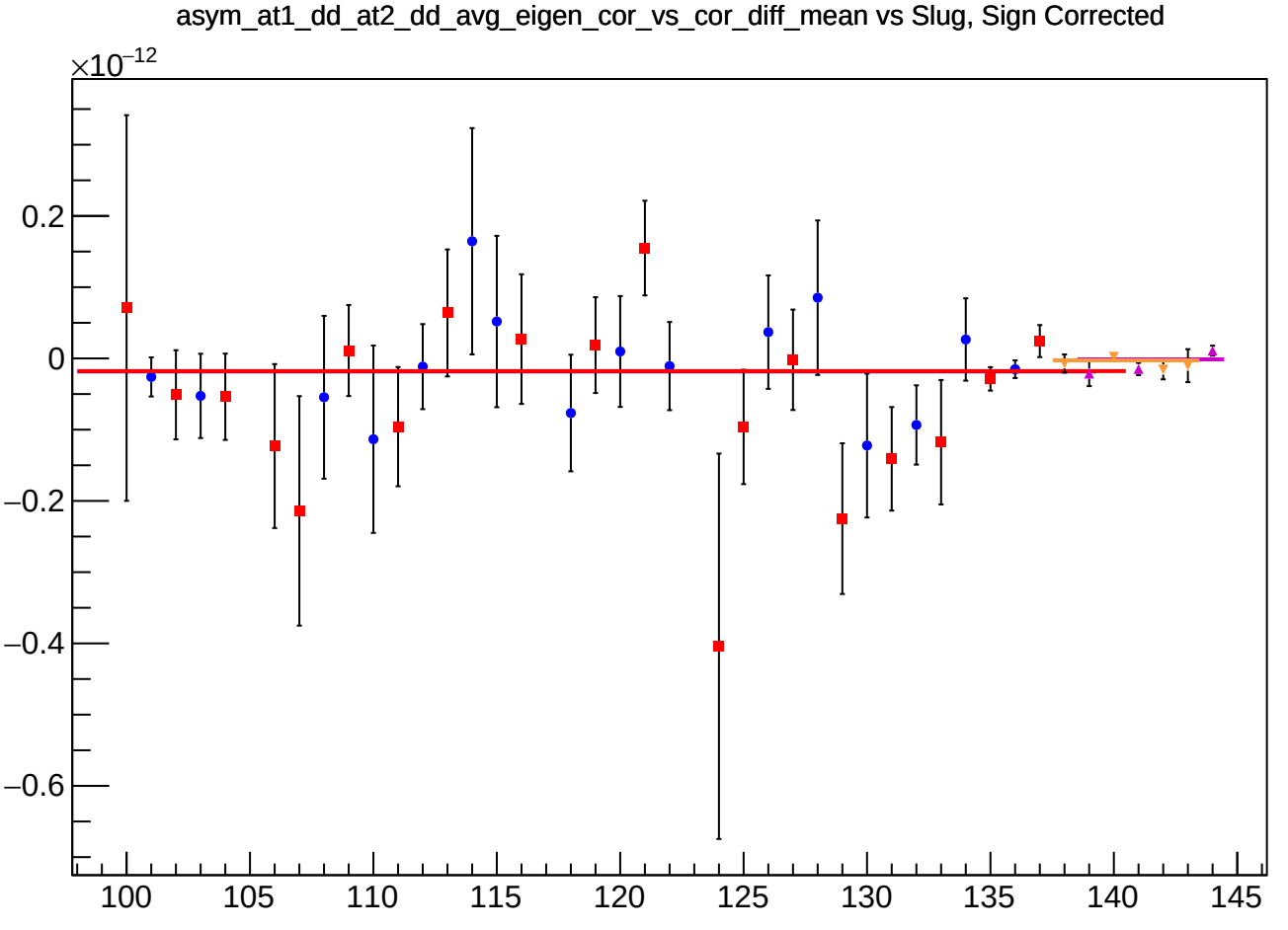
Left: 30.109+/-0.012 χ^2/NDF: 2982940.8/6

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.052+/-0.009 χ^2/NDF:2978862.0/18

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.830+/-0.007 χ^2/NDF: 8402271.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/2

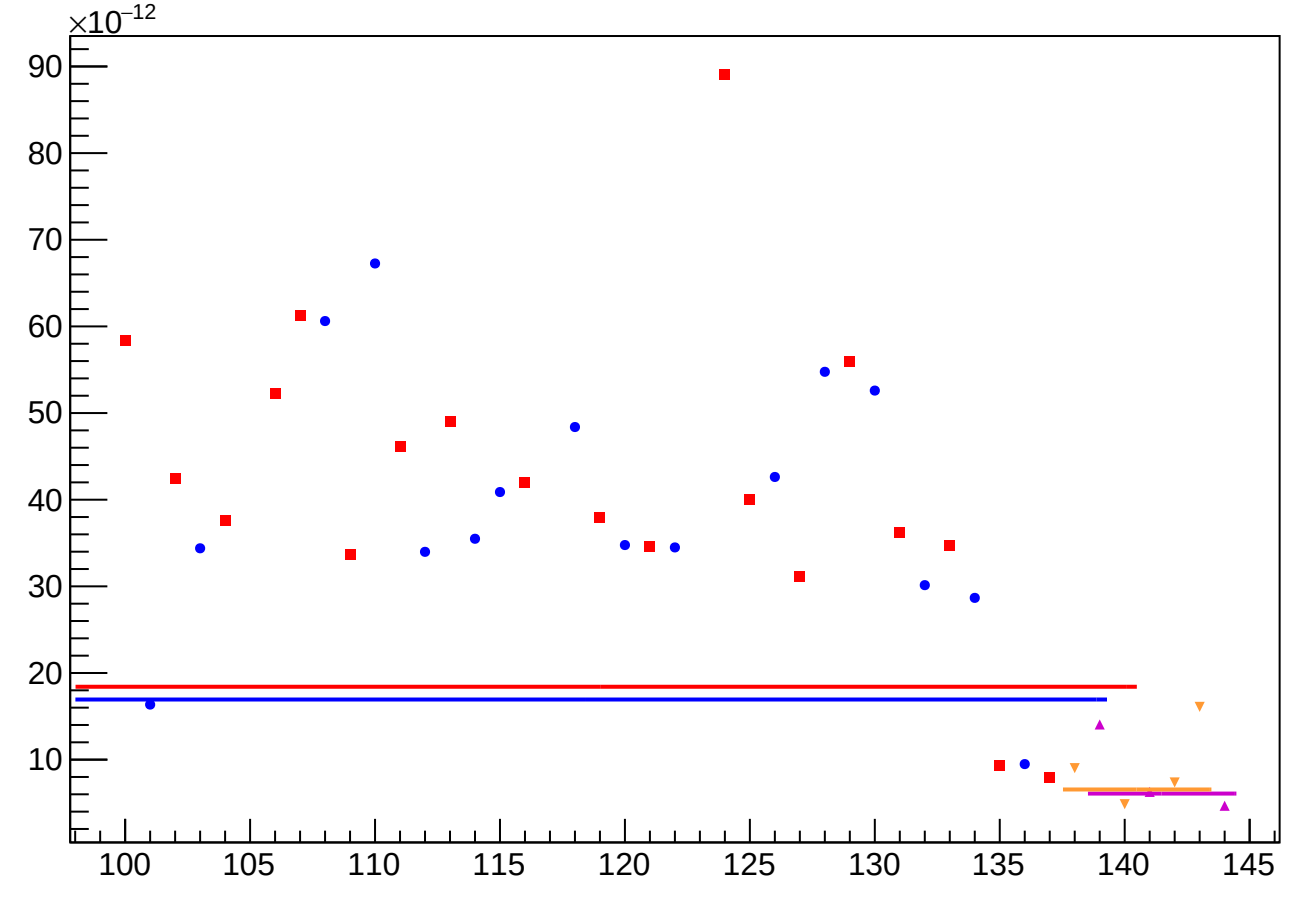
Left: -0.000+/-0.000 χ^2/NDF: 8.4/6

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:17.3/18

Out: -0.000+/-0.000 χ^2/NDF:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 47.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:493025.0/2

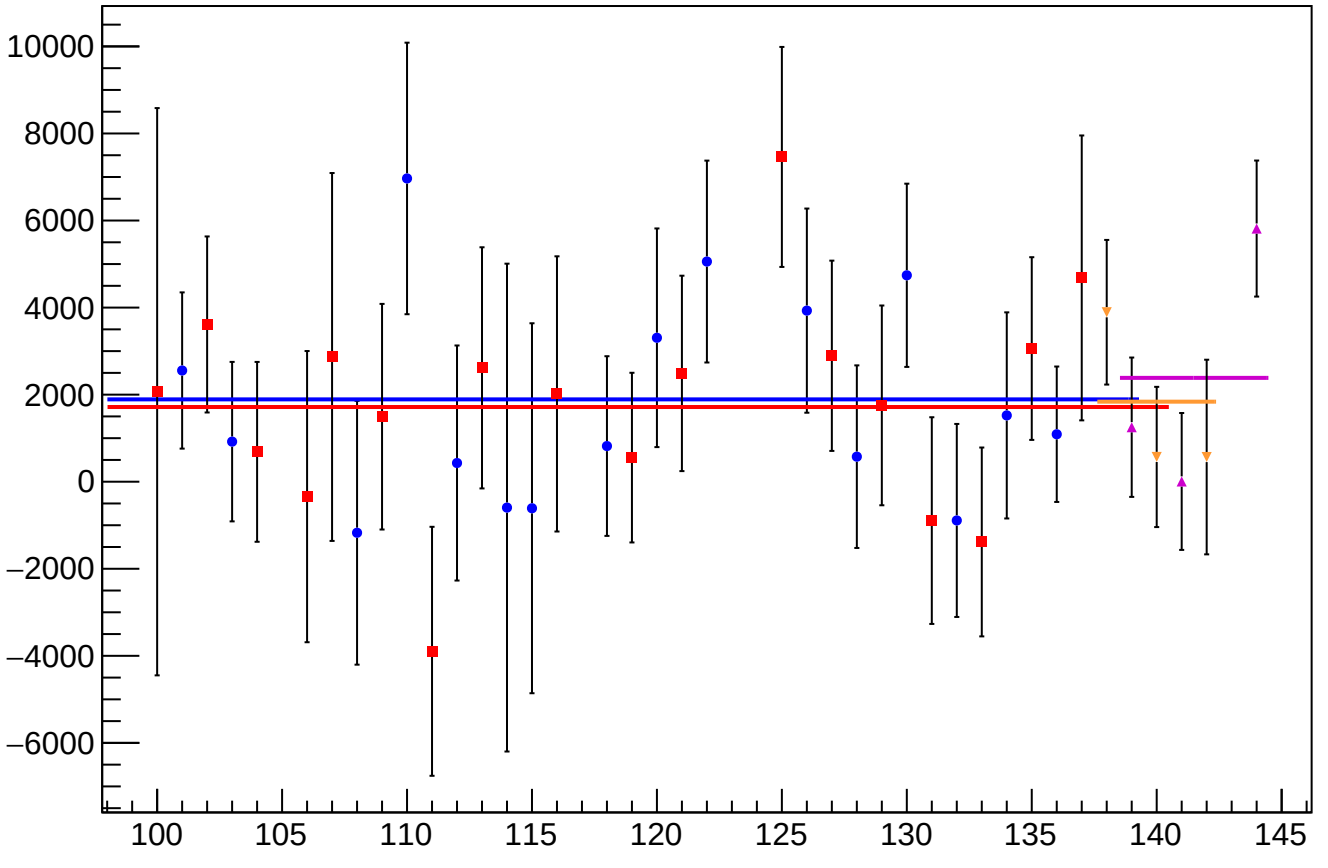
Left: 0.000+/-0.000 χ^2/NDF: 1048203.2/6

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5580271.6/18

Out: 0.000+/-0.000 χ^2/NDF:6089741.1/22

All: 0.000+/-0.000 χ^2/NDF: 11675846.1/41



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.790+/-1027.211 χ^2/NDF:2.5/2

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 2385.397+/-911.235 χ^2/NDF:7.6/2

Left: 2144.680+/-681.672 χ^2/NDF: 10.2/5

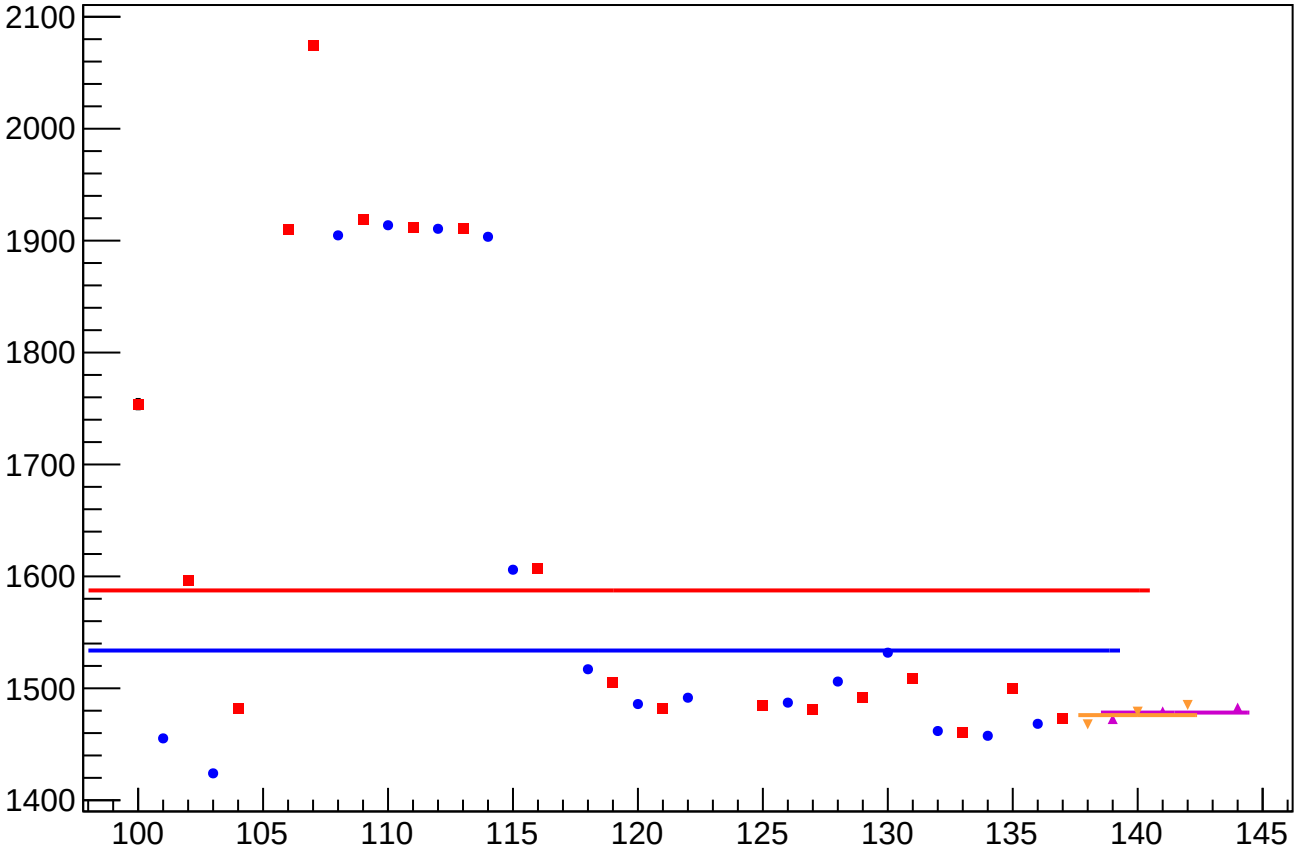
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 2031.158+/-484.610 χ^2/NDF:20.0/18

Out: 1746.354+/-511.300 χ^2/NDF:18.5/20

All: 1896.383+/-351.728 χ^2/NDF: 38.7/39

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

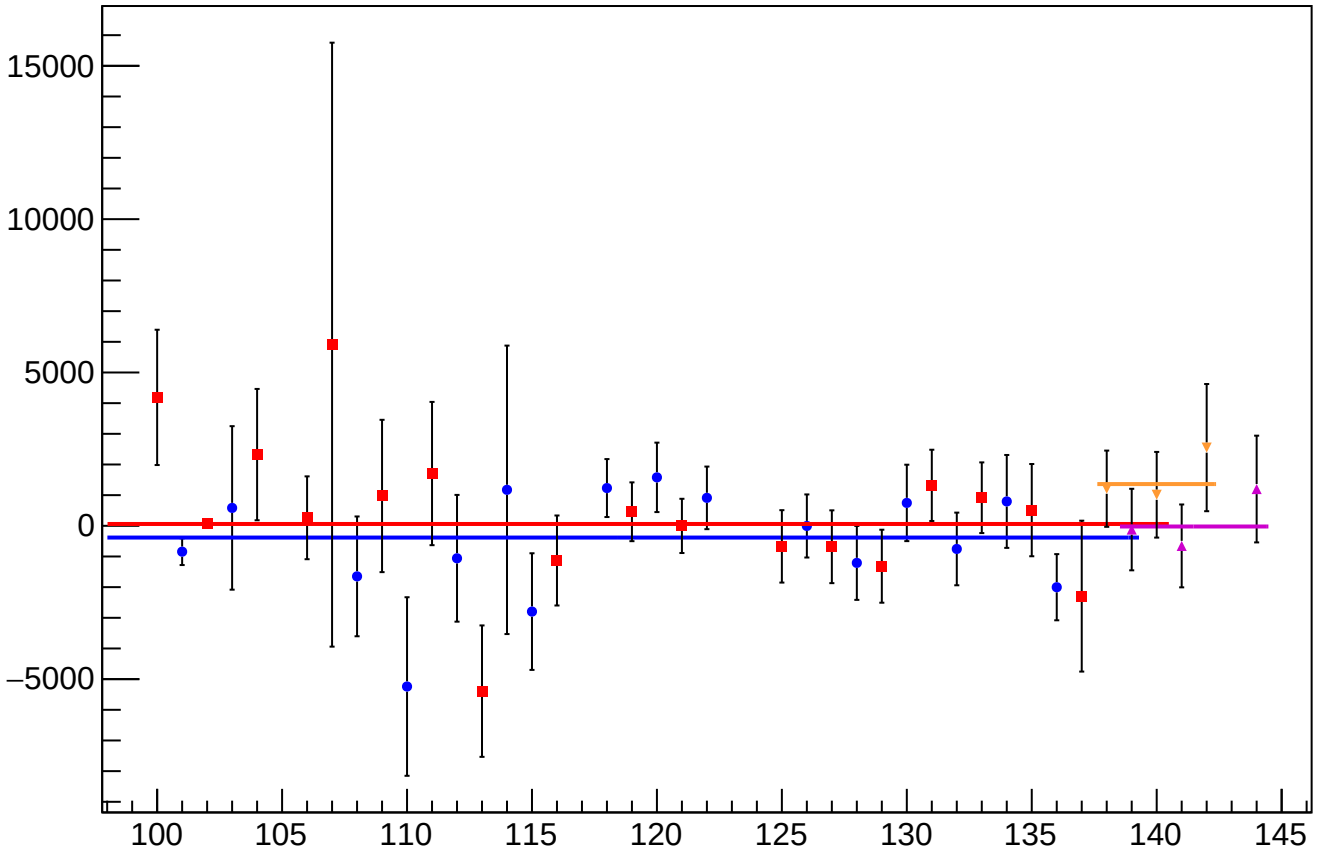
Left: 1477.326+/-0.482 χ^2/NDF: 137.9/5

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1518.090+/-0.343 χ^2/NDF:134624.3/18

Out: 1559.859+/-0.362 χ^2/NDF:189775.0/20

All: 1537.856+/-0.249 χ^2/NDF: 331430.3/39



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.339+/-847.581 χ^2/NDF:0.4/2

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -22.223+/-832.245 χ^2/NDF:0.7/2

Left: 656.927+/-593.834 χ^2/NDF: 2.5/5

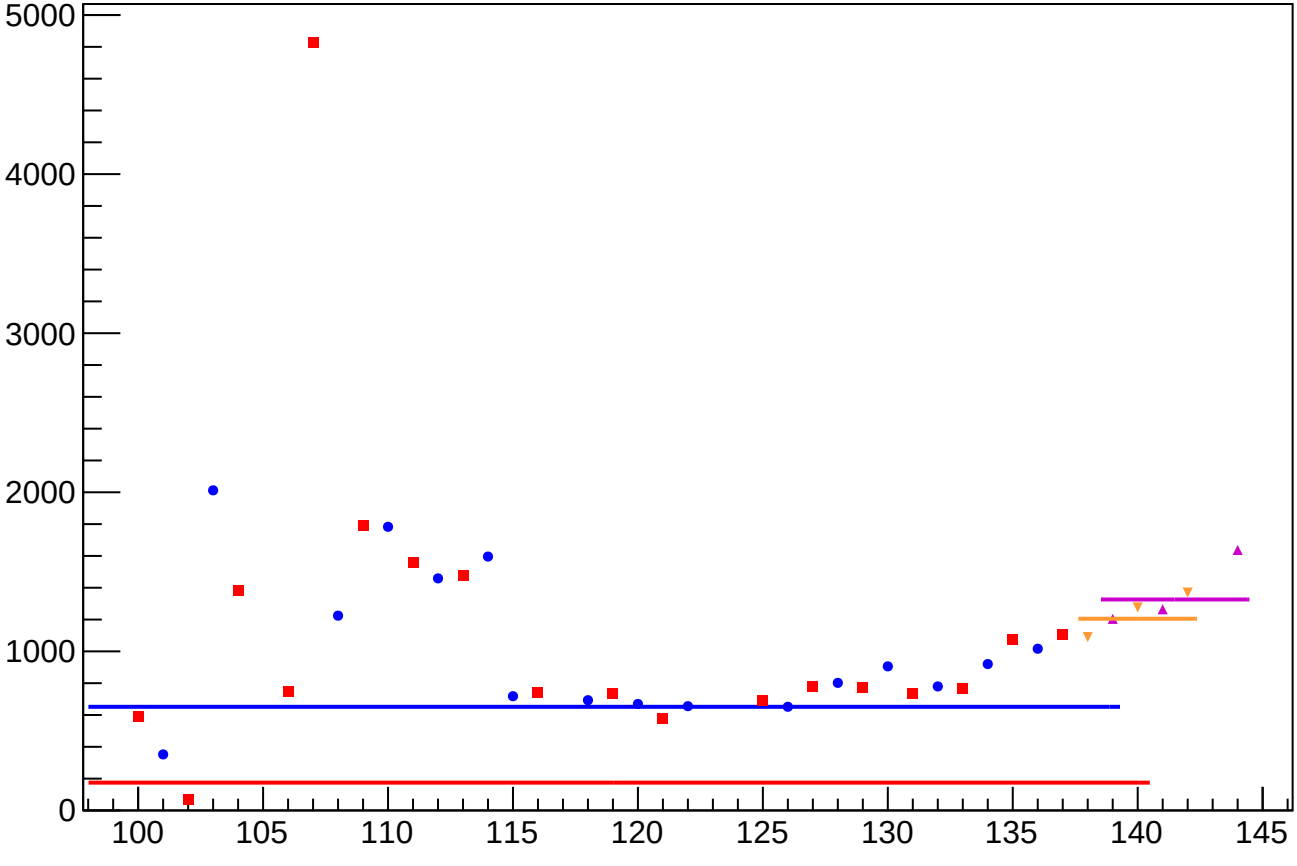
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -347.942+/-258.722 χ^2/NDF:19.1/18

Out: 88.856+/-126.275 χ^2/NDF:20.5/20

All: 4.822+/-113.480 χ^2/NDF: 41.9/39

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: 1205.068+/-0.599 χ^2/NDF:35119.1/2

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1326.233+/-0.588 χ^2/NDF:84942.9/2

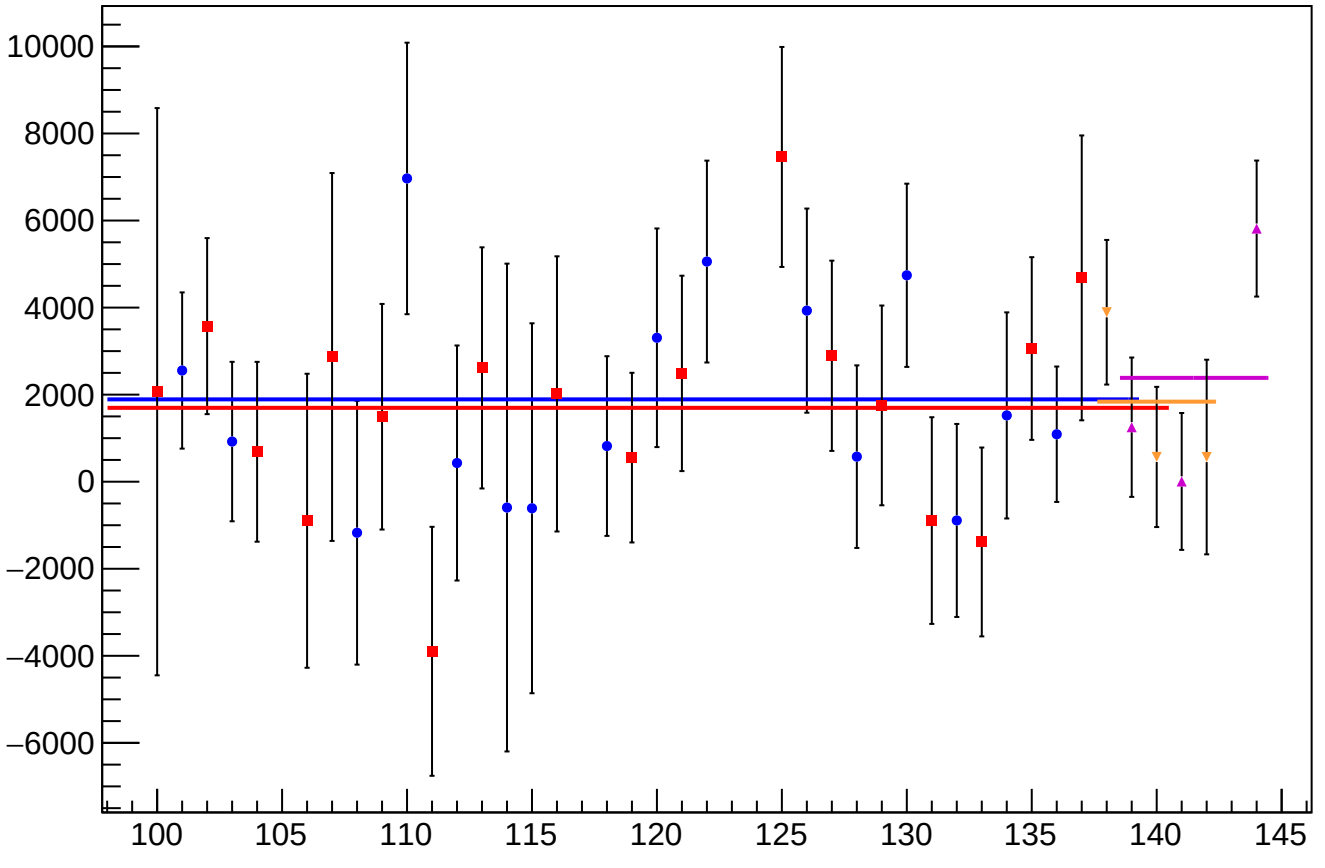
Left: 1266.756+/-0.420 χ^2/NDF: 140870.7/5

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 716.728+/-0.183 χ^2/NDF:4035067.1/18

Out: 197.764+/-0.089 χ^2/NDF:12685274.4/20

All: 297.606+/-0.080 χ^2/NDF: 23219282.9/39



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 2385.509+/-911.235 χ^2/NDF:7.6/2

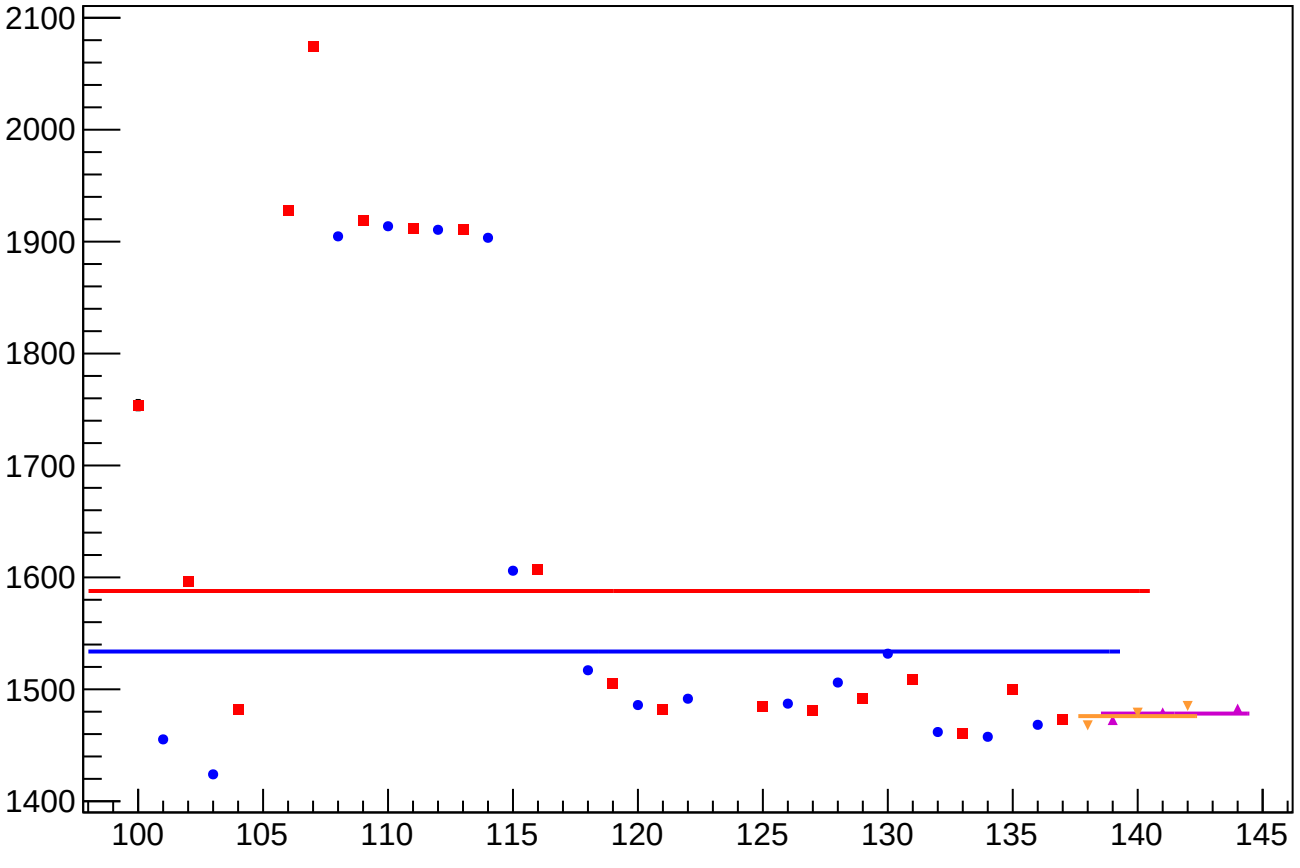
Left: 2144.772+/-681.672 χ^2/NDF: 10.2/5

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 2031.265+/-484.610 χ^2/NDF:20.0/18

Out: 1732.153+/-511.418 χ^2/NDF:18.6/20

All: 1889.753+/-351.767 χ^2/NDF: 38.9/39



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

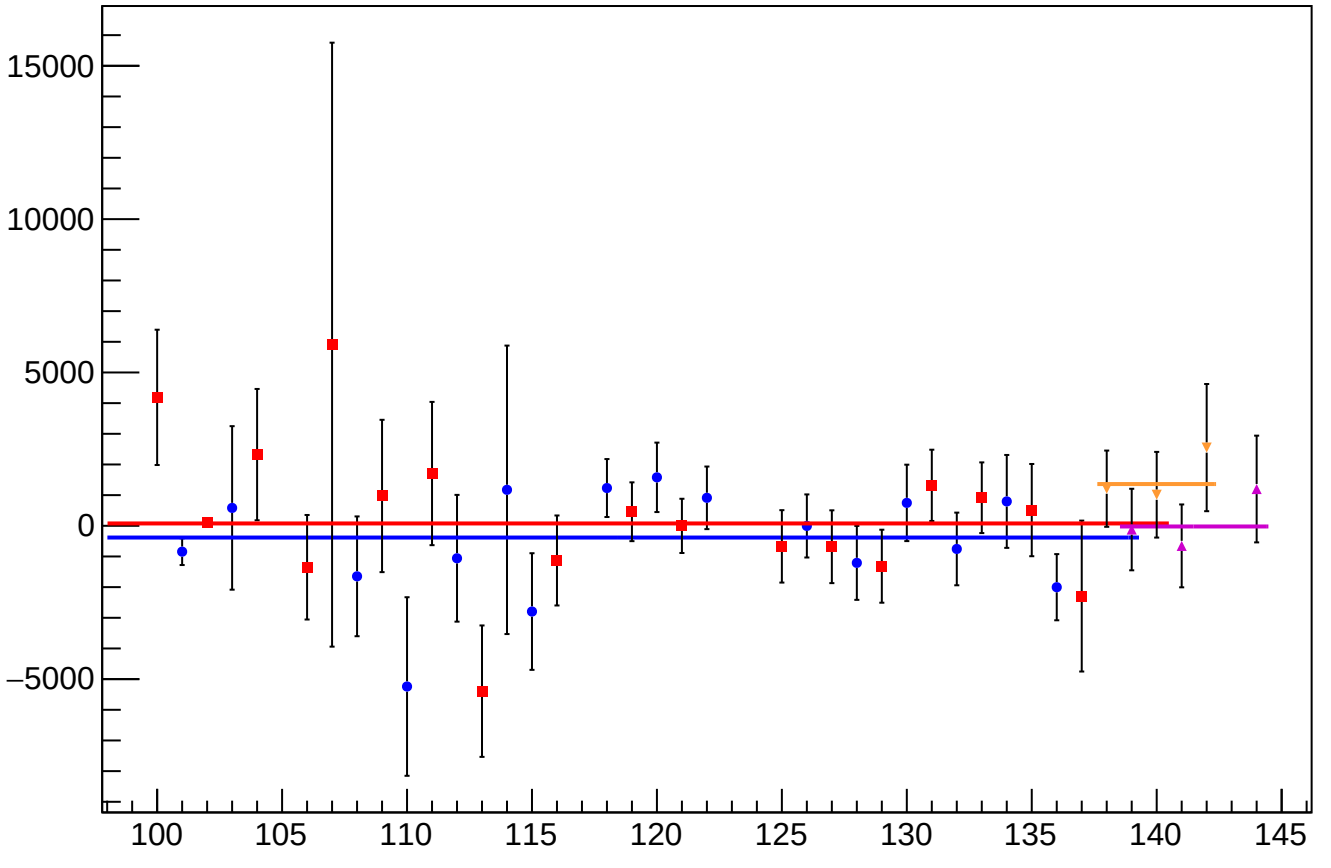
Left: 1477.326+/-0.482 χ^2/NDF: 137.9/5

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1518.090+/-0.343 χ^2/NDF:134624.3/18

Out: 1560.136+/-0.362 χ^2/NDF:191673.4/20

All: 1537.982+/-0.249 χ^2/NDF: 333420.4/39



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -22.078+/-832.246 χ^2/NDF:0.7/2

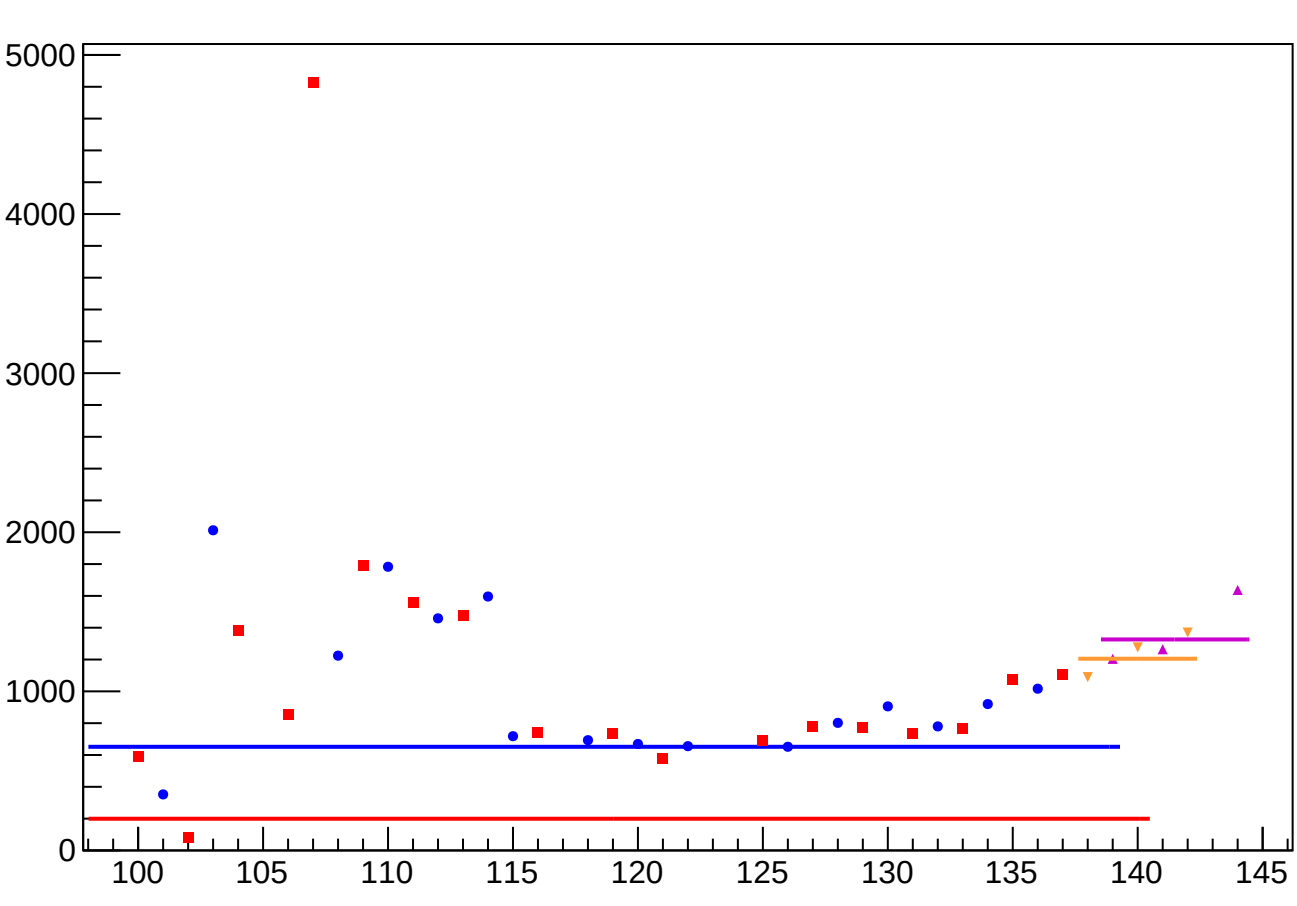
Left: 657.047+/-593.835 χ^2/NDF: 2.5/5

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -347.904+/-258.721 χ^2/NDF:19.1/18

Out: 109.994+/-136.338 χ^2/NDF:21.1/20

All: 10.474+/-120.616 χ^2/NDF: 42.7/39



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1326.234+/-0.588 χ^2/NDF:84940.9/2

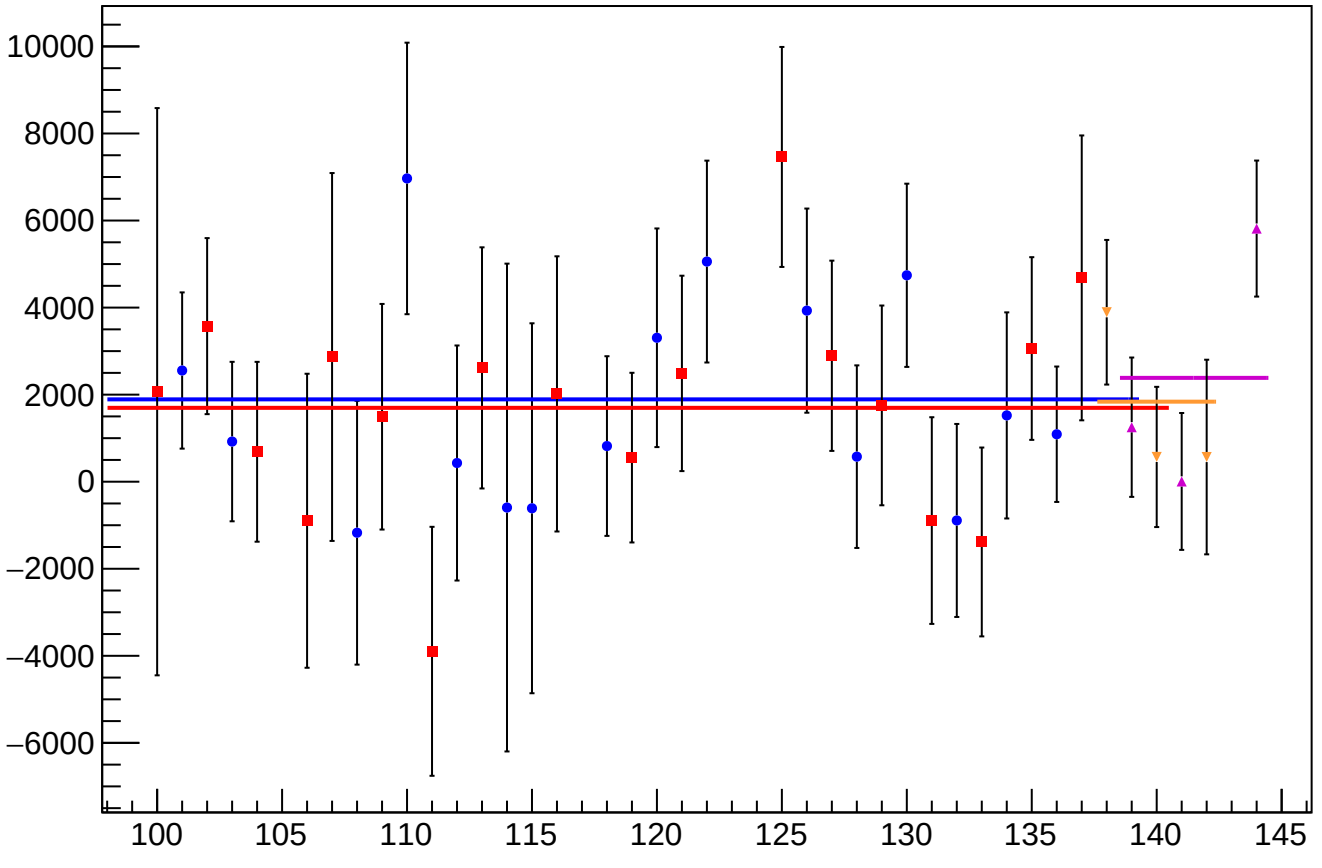
Left: 1266.760+/-0.420 χ^2/NDF: 140863.4/5

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 716.726+/-0.183 χ^2/NDF:4035098.7/18

Out: 225.366+/-0.096 χ^2/NDF:12063010.0/20

All: 332.159+/-0.085 χ^2/NDF: 21744057.8/39



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 2385.509+/-911.235 χ^2/NDF:7.6/2

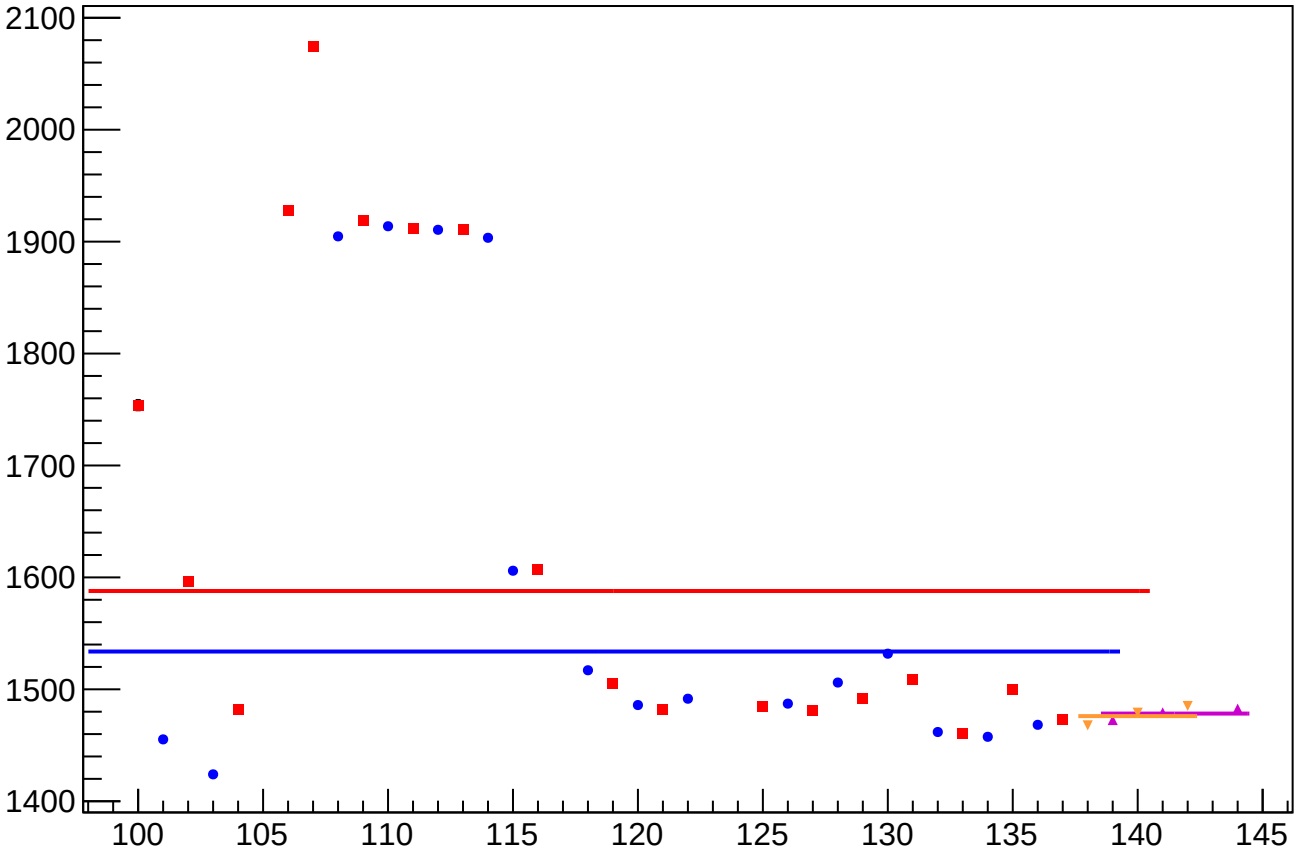
Left: 2144.772+/-681.672 χ^2/NDF: 10.2/5

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 2031.265+/-484.610 χ^2/NDF:20.0/18

Out: 1732.153+/-511.418 χ^2/NDF:18.6/20

All: 1889.753+/-351.767 χ^2/NDF: 38.9/39



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1478.328+/-0.644 χ^2/NDF:42.9/2

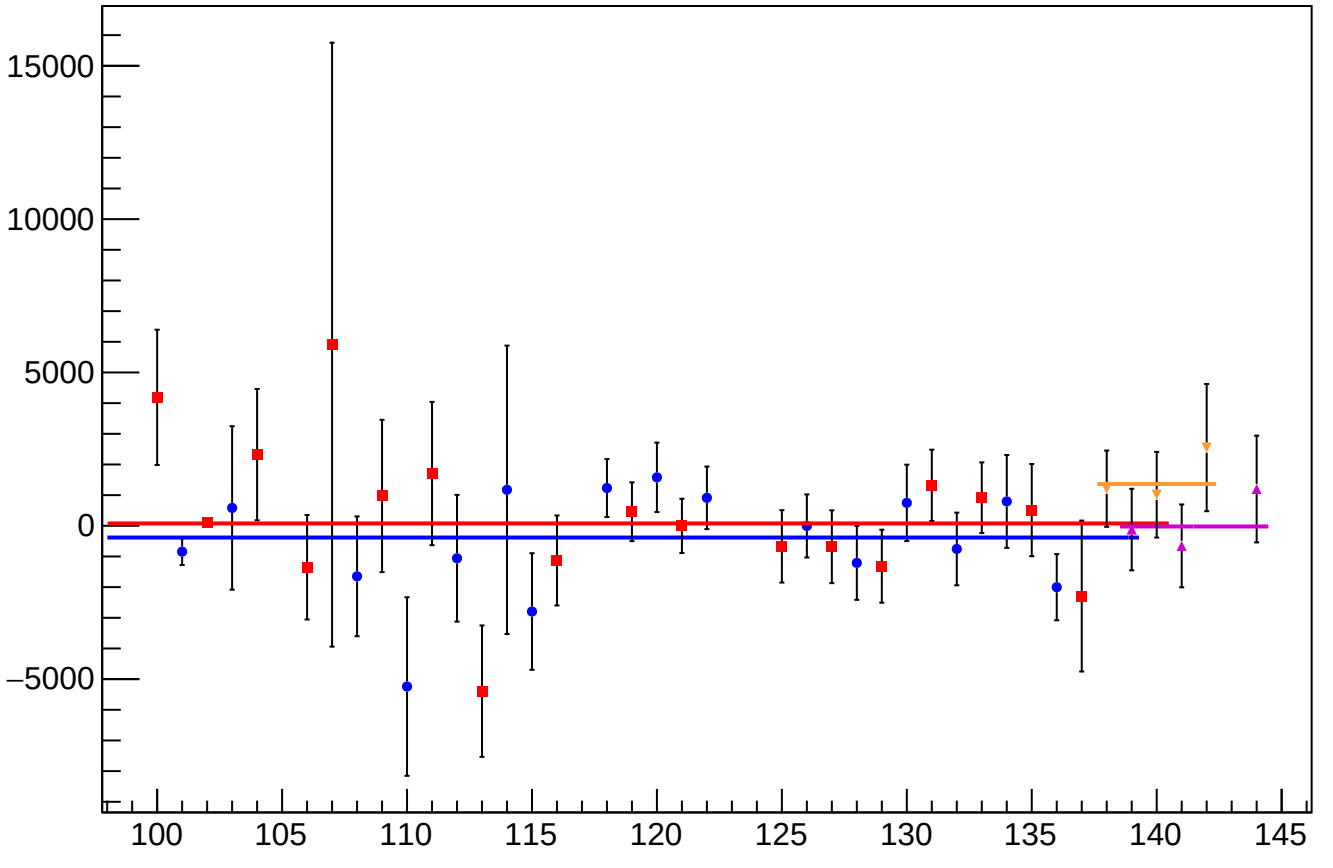
Left: 1477.326+/-0.482 χ^2/NDF: 137.9/5

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1518.090+/-0.343 χ^2/NDF:134624.3/18

Out: 1560.136+/-0.362 χ^2/NDF:191673.4/20

All: 1537.982+/-0.249 χ^2/NDF: 333420.4/39



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -22.078+/-832.246 χ^2/NDF:0.7/2

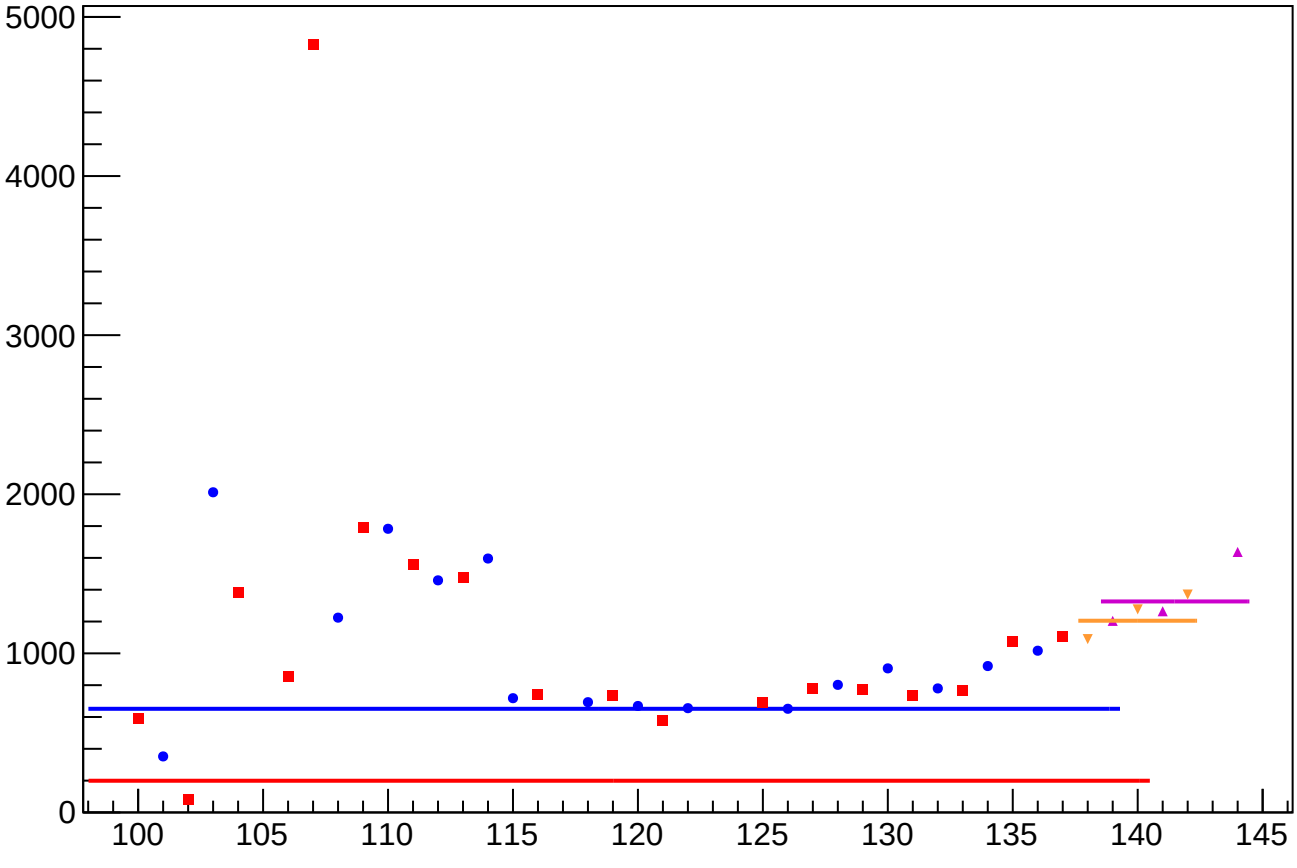
Left: 657.047+/-593.835 χ^2/NDF: 2.5/5

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -347.904+/-258.721 χ^2/NDF:19.1/18

Out: 109.994+/-136.338 χ^2/NDF:21.1/20

All: 10.474+/-120.616 χ^2/NDF: 42.7/39



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1326.234+/-0.588 χ^2/NDF:84940.9/2

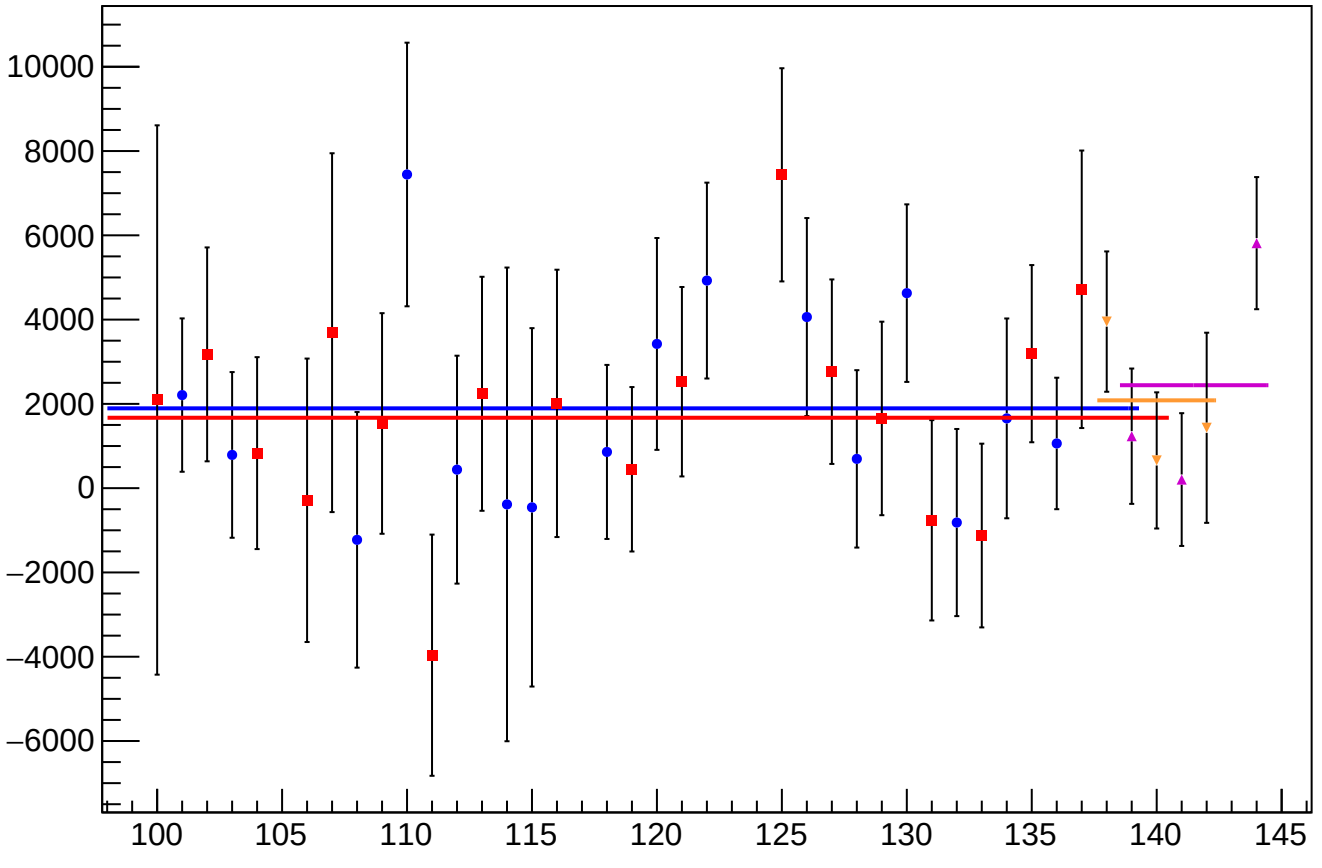
Left: 1266.760+/-0.420 χ^2/NDF: 140863.4/5

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 716.726+/-0.183 χ^2/NDF:4035098.7/18

Out: 225.366+/-0.096 χ^2/NDF:12063010.0/20

All: 332.159+/-0.085 χ^2/NDF: 21744057.8/39



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2083.960+/-1031.296 χ^2/NDF:2.1/2

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 2442.955+/-913.780 χ^2/NDF:7.2/2

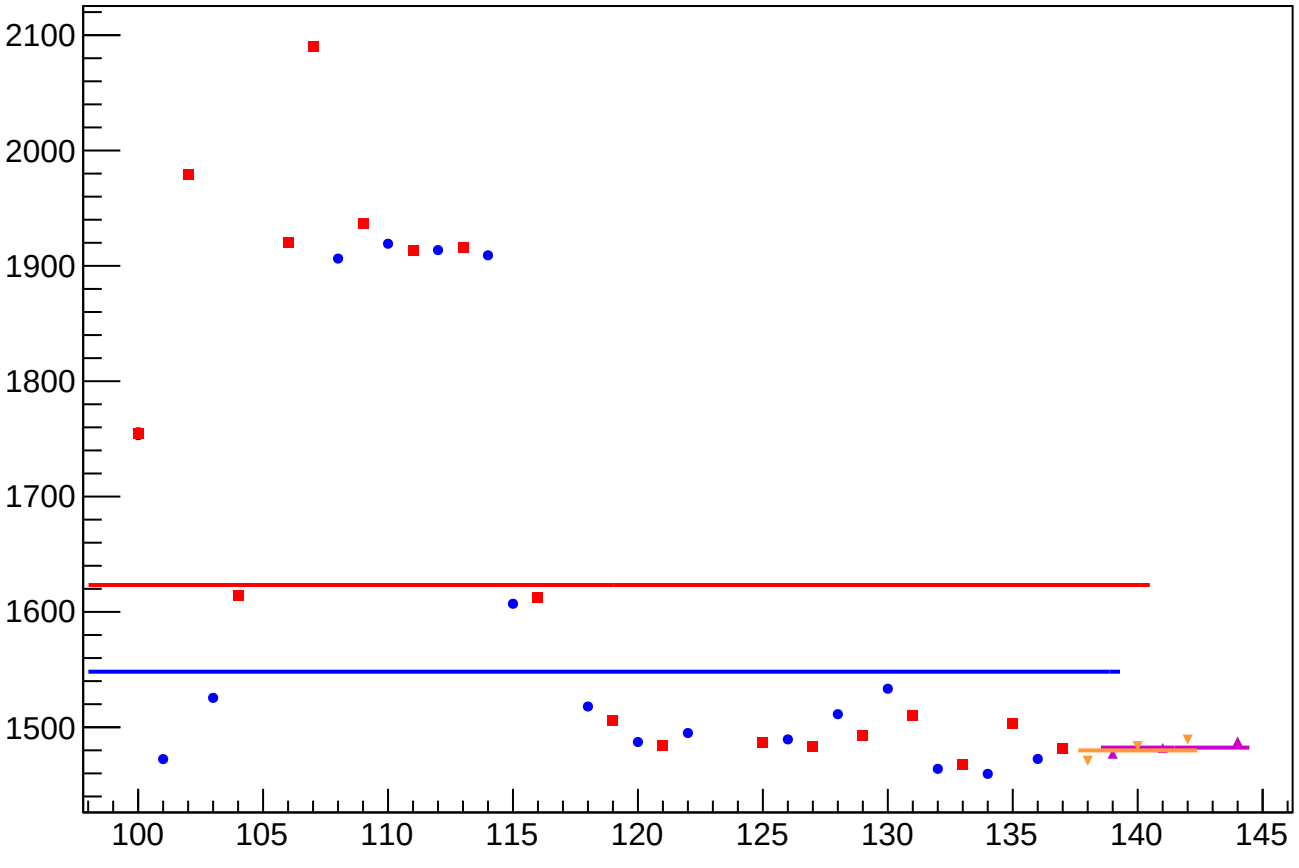
Left: 2285.068+/-683.931 χ^2/NDF: 9.4/5

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 2050.852+/-488.258 χ^2/NDF:19.7/18

Out: 1776.640+/-521.730 χ^2/NDF:17.3/20

All: 1922.824+/-356.497 χ^2/NDF: 37.2/39



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1482.369+/-0.646 χ^2/NDF:45.3/2

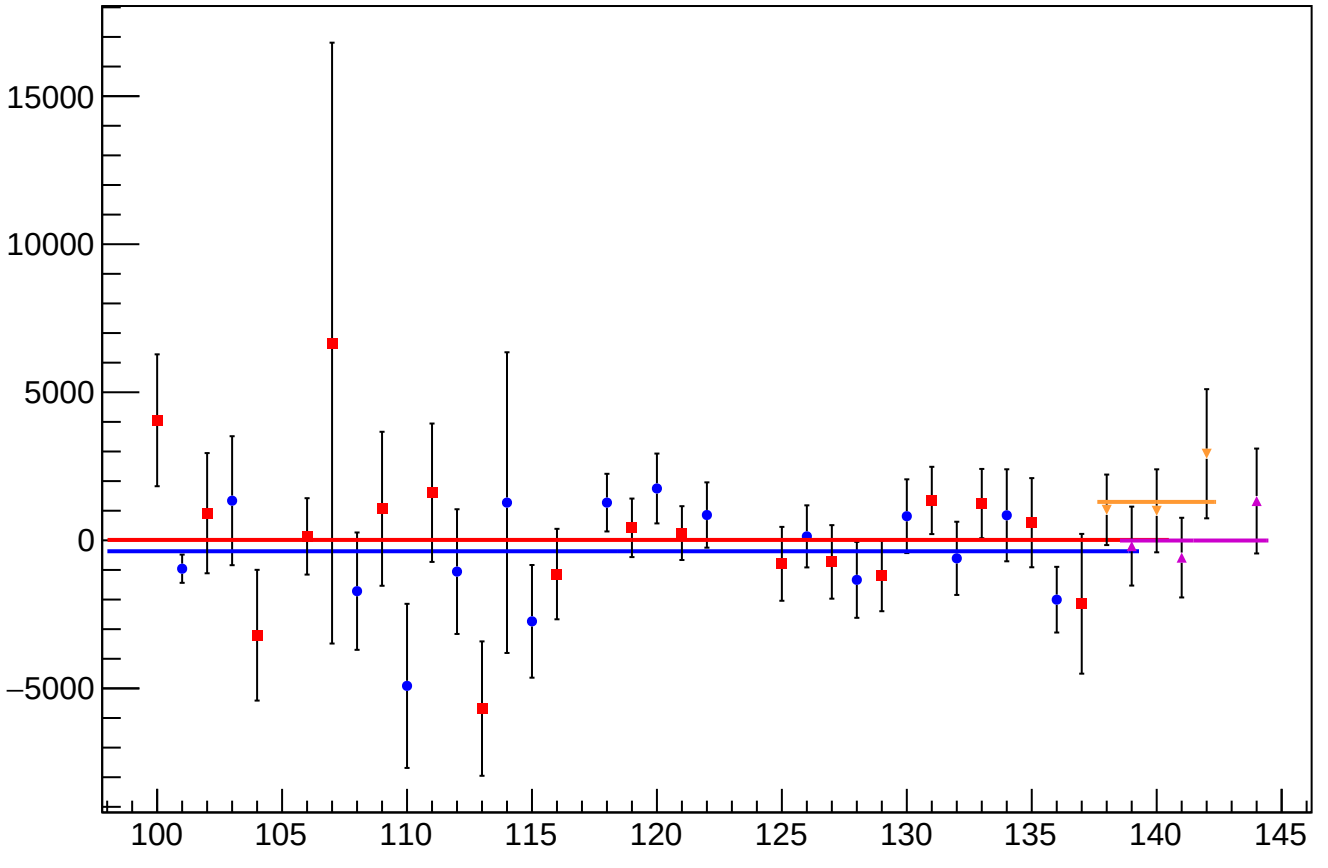
Left: 1481.291+/-0.484 χ^2/NDF: 154.3/5

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1529.386+/-0.345 χ^2/NDF:127361.4/18

Out: 1586.627+/-0.369 χ^2/NDF:240413.8/20

All: 1556.112+/-0.252 χ^2/NDF: 380609.1/39



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1297.790+/-837.705 χ^2/NDF:0.7/2

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -6.251+/-835.050 χ^2/NDF:0.8/2

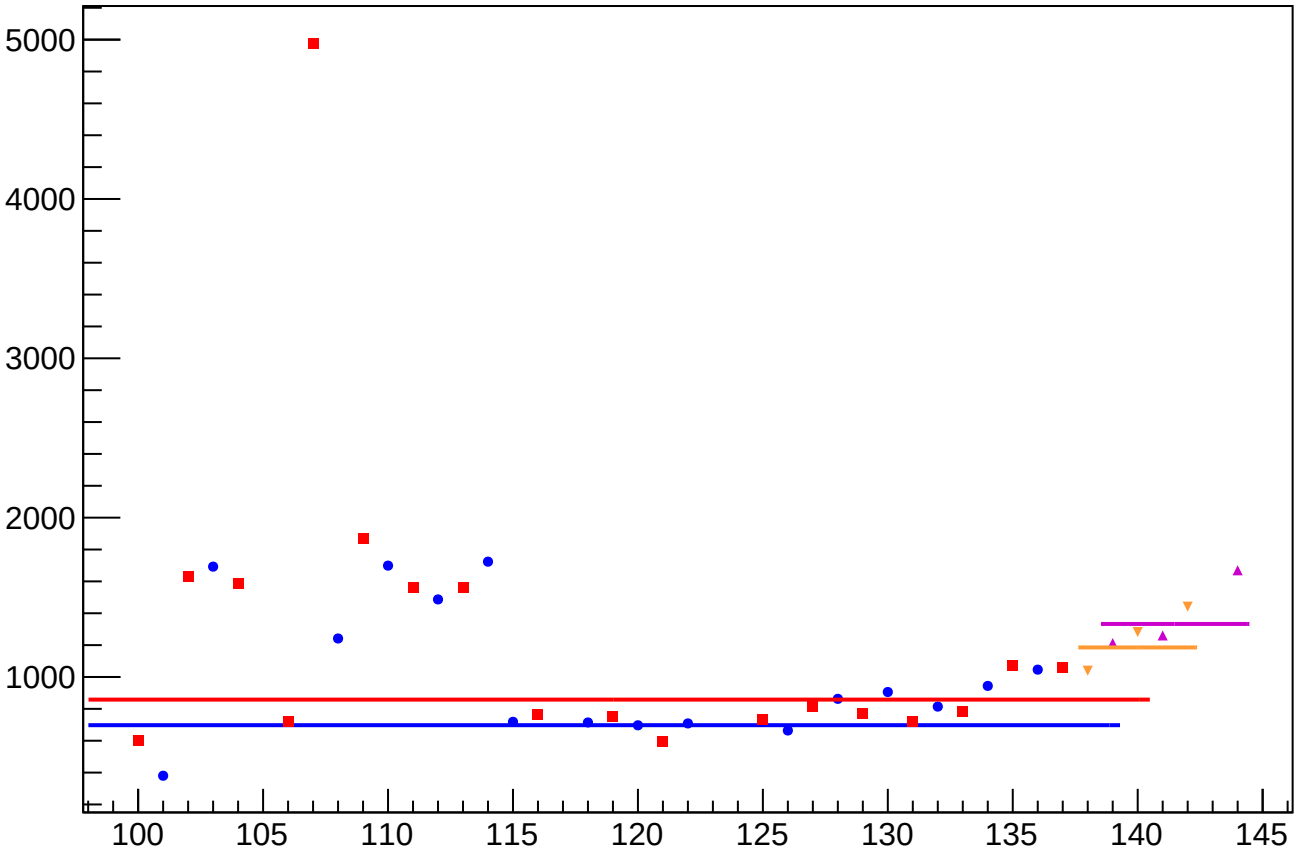
Left: 643.700+/-591.406 χ^2/NDF: 2.6/5

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -330.517+/-271.059 χ^2/NDF:19.8/18

Out: 196.778+/-316.287 χ^2/NDF:21.7/20

All: -107.235+/-205.817 χ^2/NDF: 43.2/39



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1185.454+/-0.592 χ^2/NDF:67097.0/2

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1332.843+/-0.590 χ^2/NDF:94318.7/2

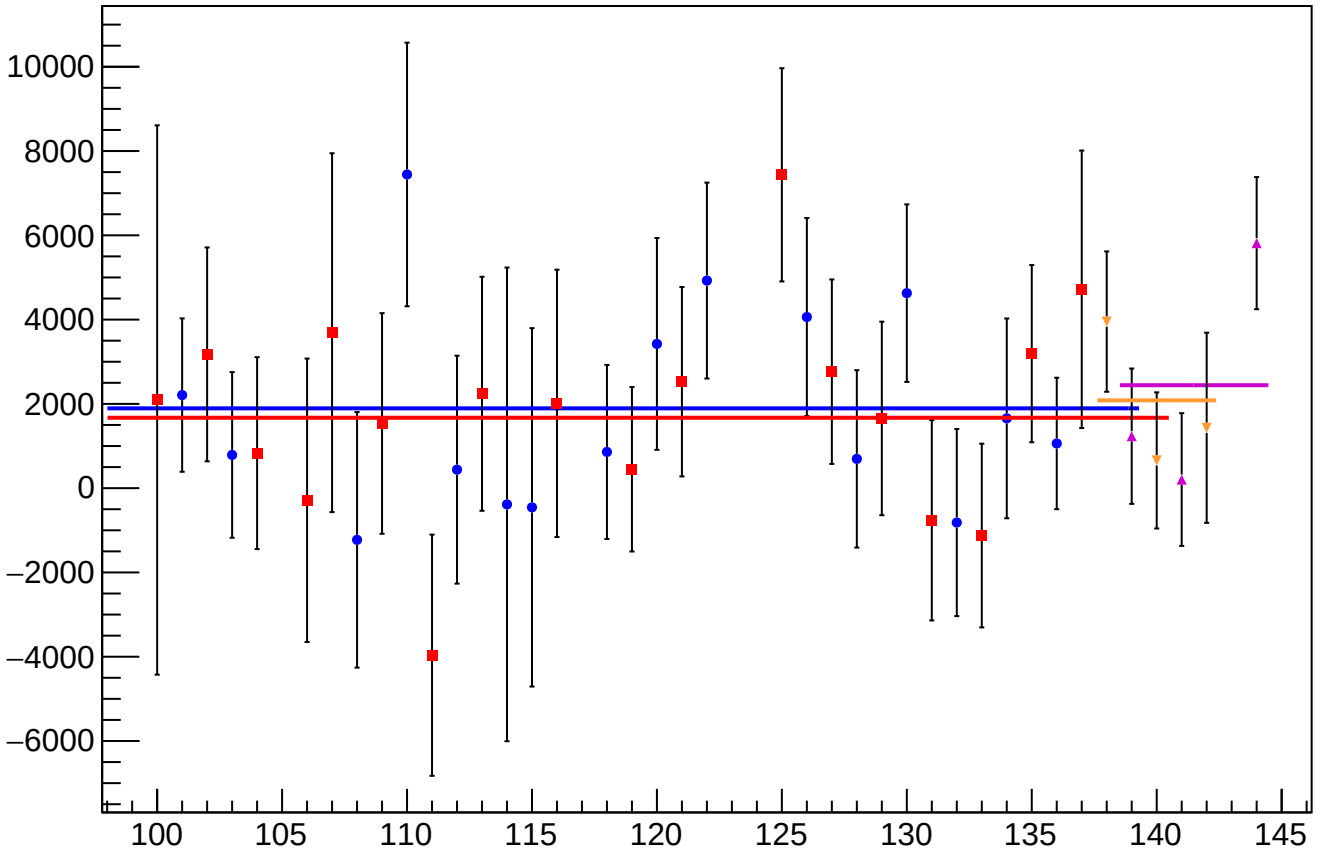
Left: 1259.383+/-0.418 χ^2/NDF: 192470.3/5

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 764.459+/-0.192 χ^2/NDF:3565645.1/18

Out: 904.762+/-0.224 χ^2/NDF:2211141.2/20

All: 823.870+/-0.146 χ^2/NDF: 6003689.2/39



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2083.962+/-1031.296 χ^2/NDF:2.1/2

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 2442.955+/-913.780 χ^2/NDF:7.2/2

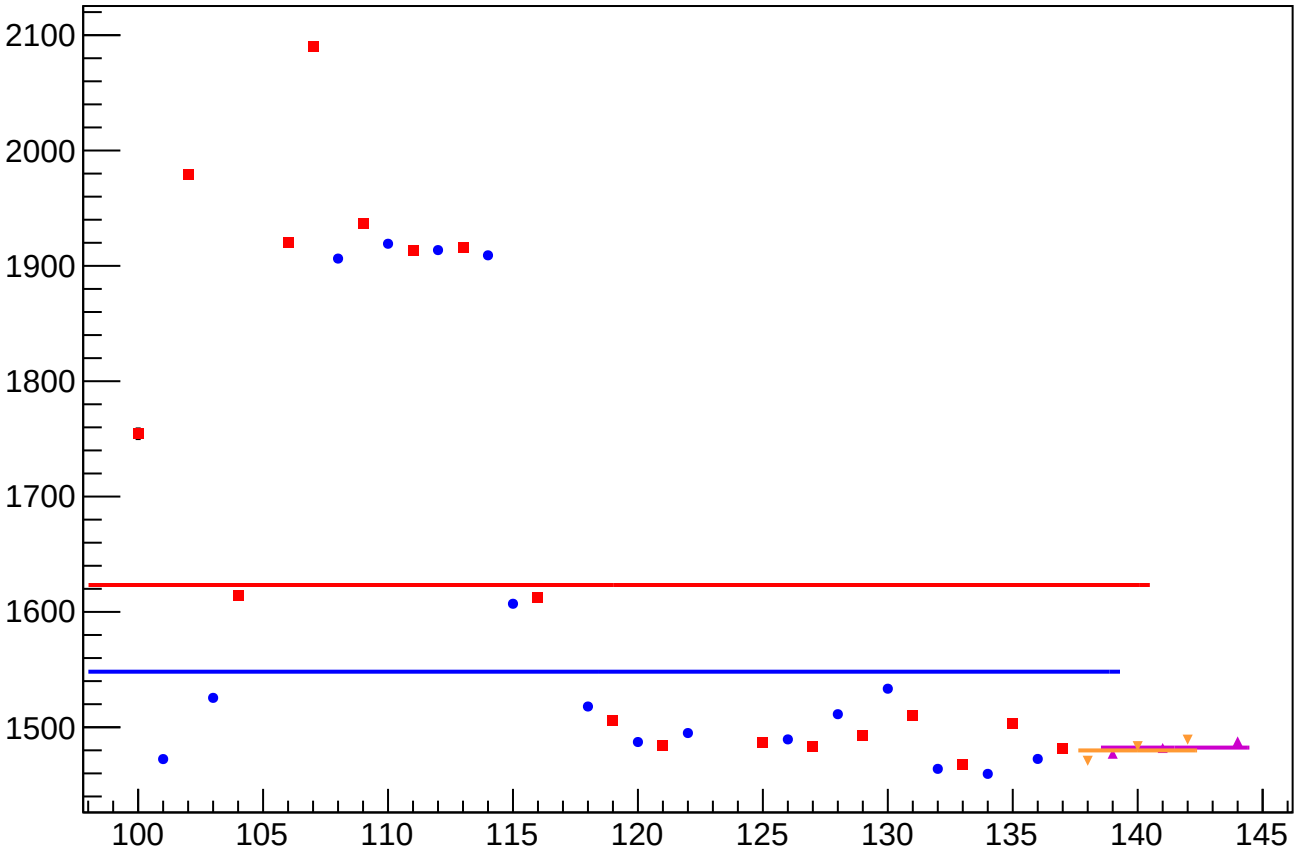
Left: 2285.069+/-683.931 χ^2/NDF: 9.4/5

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 2050.851+/-488.258 χ^2/NDF:19.7/18

Out: 1776.639+/-521.729 χ^2/NDF:17.3/20

All: 1922.822+/-356.497 χ^2/NDF: 37.2/39



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1482.369+/-0.646 χ^2/NDF:45.3/2

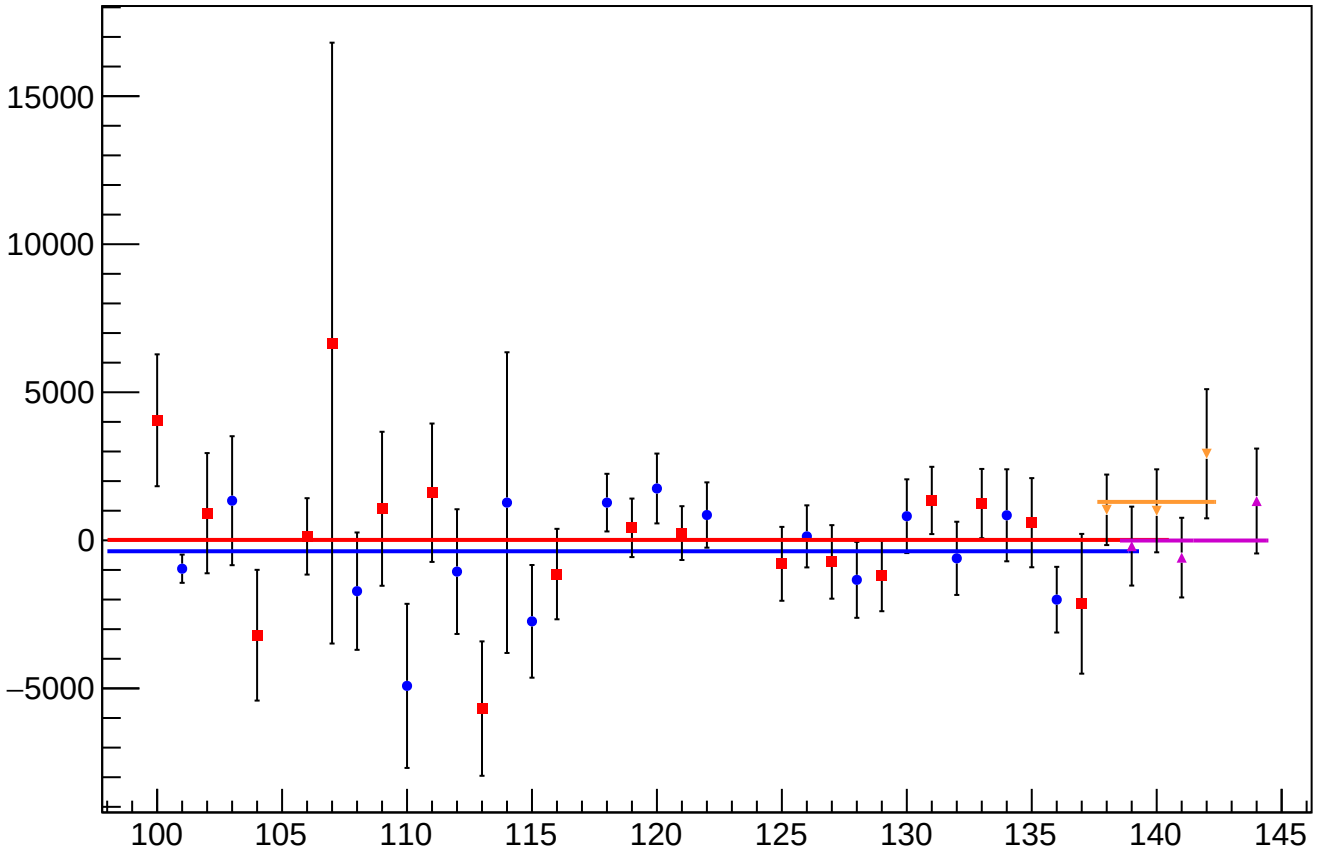
Left: 1481.291+/-0.484 χ^2/NDF: 154.3/5

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1529.386+/-0.345 χ^2/NDF:127361.4/18

Out: 1586.627+/-0.369 χ^2/NDF:240413.5/20

All: 1556.111+/-0.252 χ^2/NDF: 380608.9/39



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1297.793+/-837.706 χ^2/NDF:0.7/2

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -6.251+/-835.051 χ^2/NDF:0.8/2

Left: 643.702+/-591.407 χ^2/NDF: 2.6/5

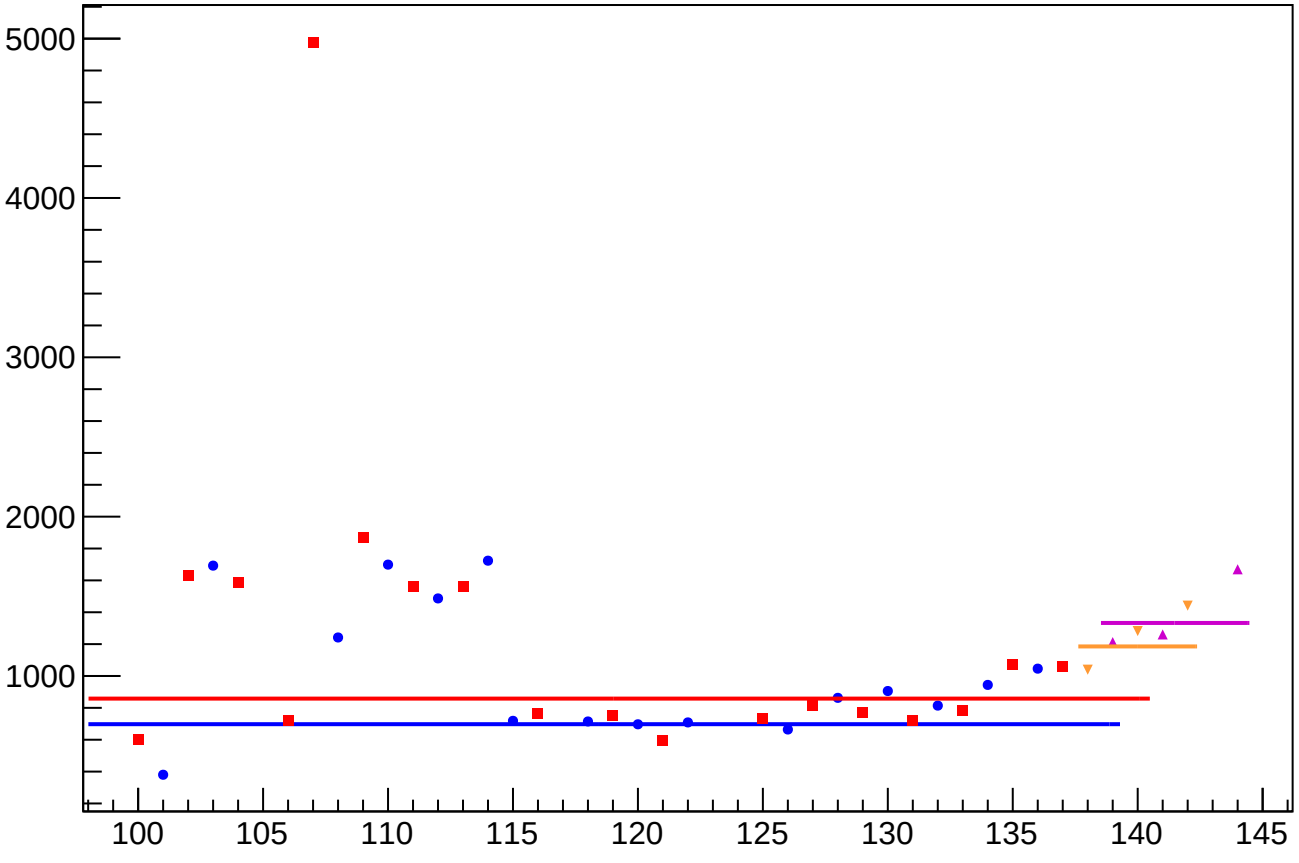
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -330.516+/-271.059 χ^2/NDF:19.8/18

Out: 196.778+/-316.287 χ^2/NDF:21.7/20

All: -107.234+/-205.817 χ^2/NDF: 43.2/39

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: 1185.455+/-0.592 χ^2/NDF:67097.2/2

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1332.845+/-0.590 χ^2/NDF:94319.0/2

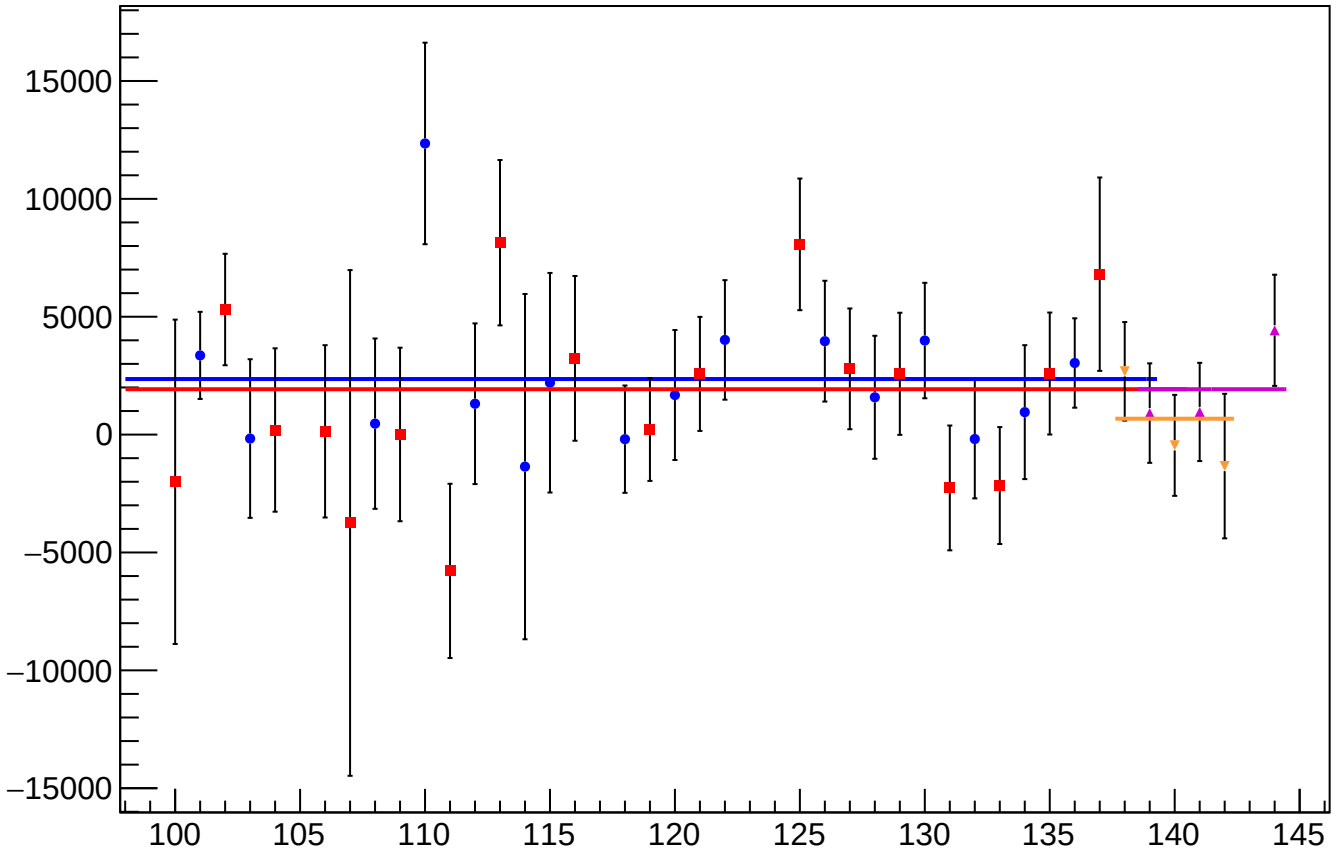
Left: 1259.384+/-0.418 χ^2/NDF: 192470.9/5

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 764.459+/-0.192 χ^2/NDF:3565641.2/18

Out: 904.760+/-0.224 χ^2/NDF:2211155.3/20

All: 823.869+/-0.146 χ^2/NDF: 6003695.0/39



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 673.939+/-1344.508 χ^2/NDF:1.6/2

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1924.797+/-1255.135 χ^2/NDF:1.6/2

Left: 1342.321+/-917.484 χ^2/NDF: 3.7/5

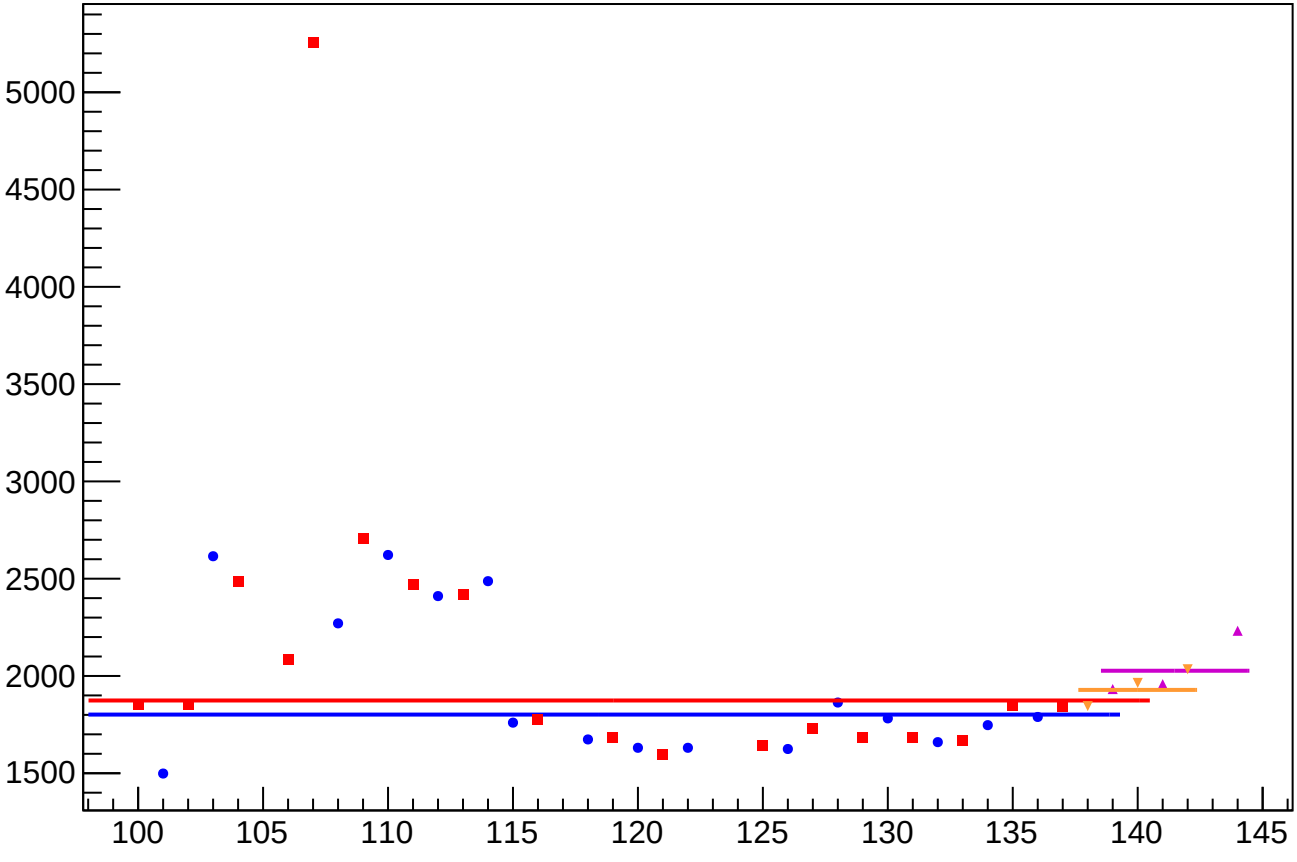
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2259.160+/-597.173 χ^2/NDF:12.7/18

Out: 1653.979+/-625.627 χ^2/NDF:25.8/20

All: 1970.644+/-431.974 χ^2/NDF: 38.9/39

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1928.313+/-0.951 χ^2/NDF:6138.2/2

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 2026.818+/-0.888 χ^2/NDF:21337.3/2

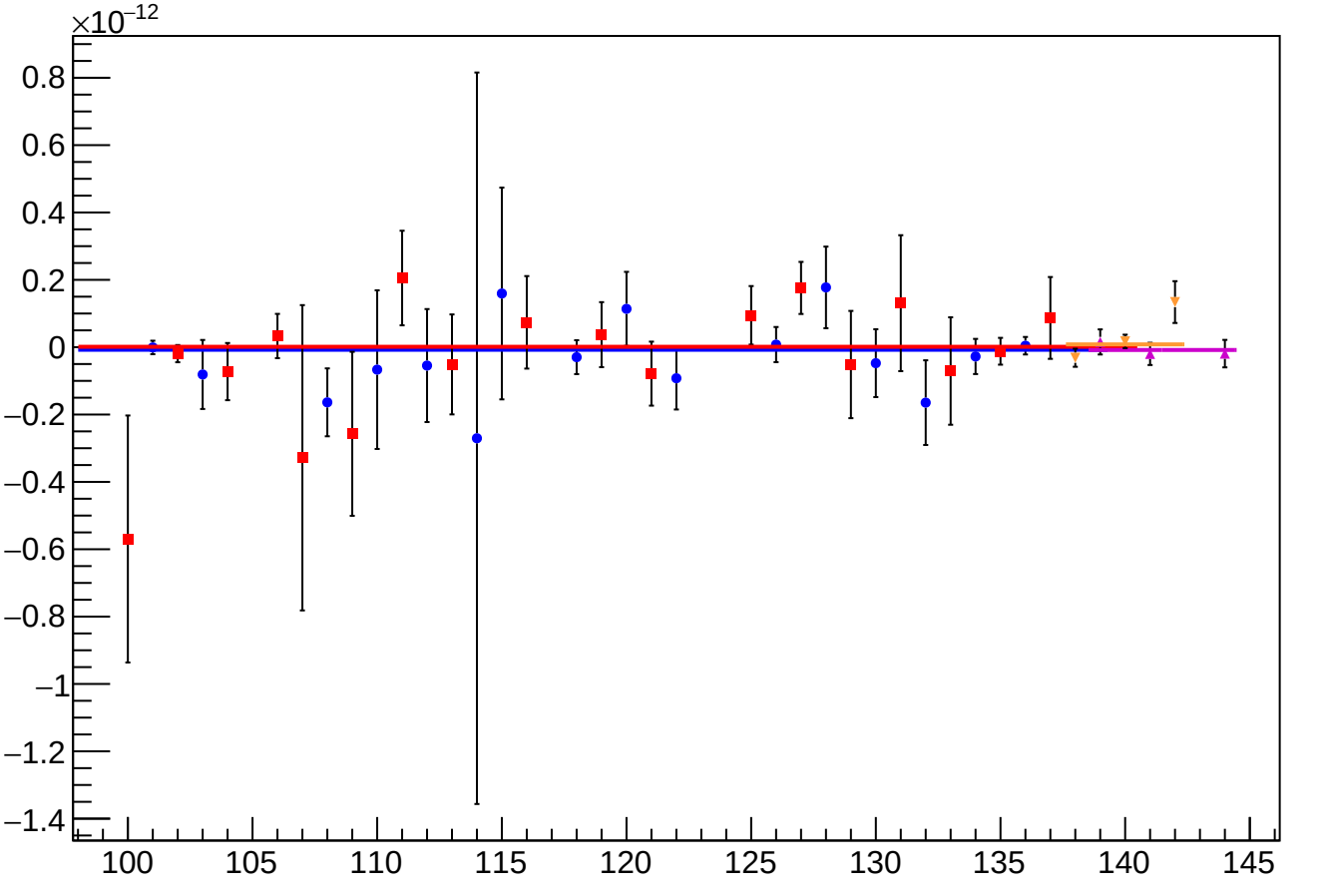
Left: 1980.948+/-0.649 χ^2/NDF: 33211.8/5

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1852.528+/-0.422 χ^2/NDF:471889.5/18

Out: 1885.741+/-0.442 χ^2/NDF:578606.4/20

All: 1868.362+/-0.305 χ^2/NDF: 1053445.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.6/2

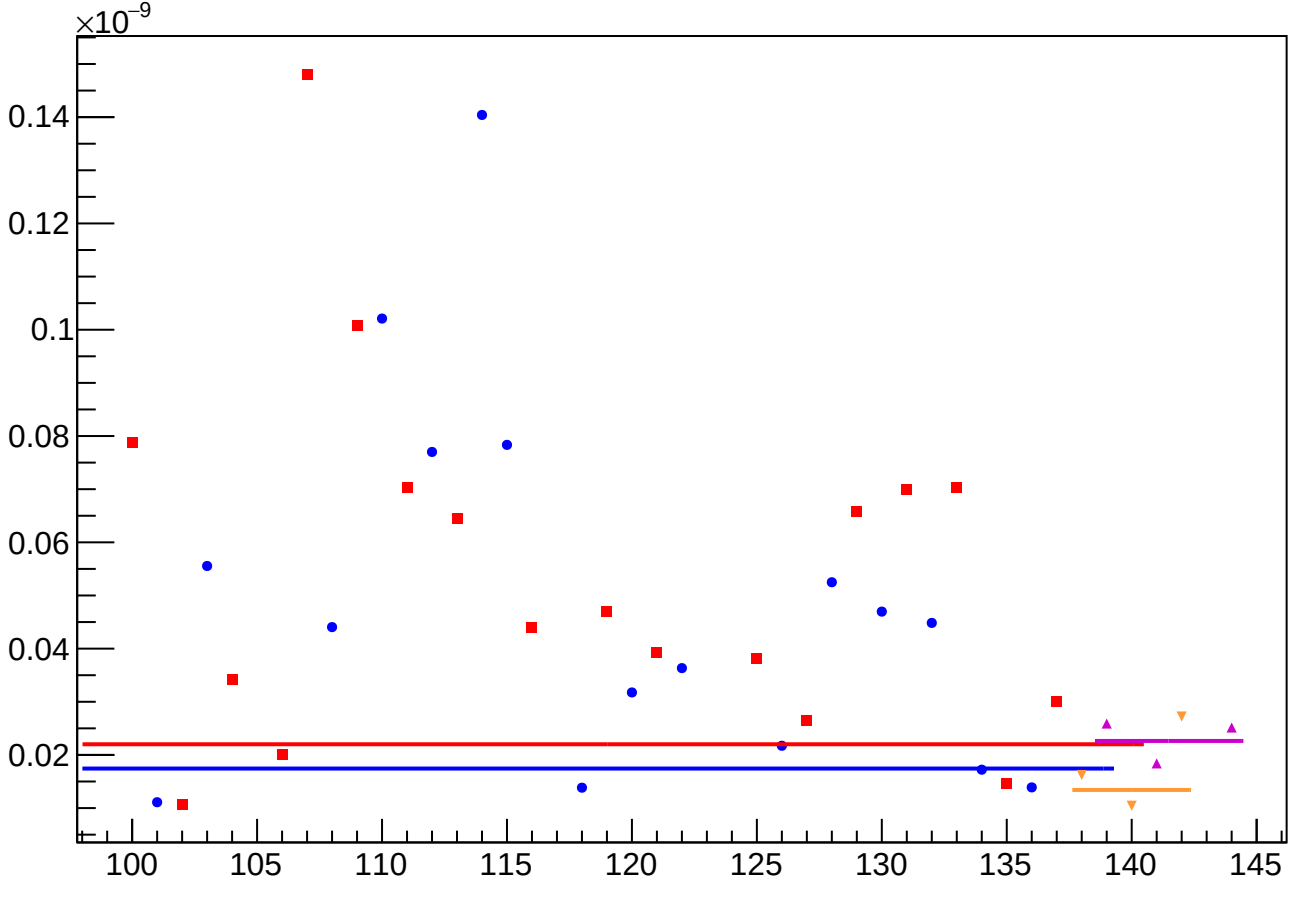
Left: 0.000+/-0.000 χ^2/NDF: 7.5/5

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:10.9/18

Out: 0.000+/-0.000 χ^2/NDF:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 34.7/39



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:165507.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:55802.9/2

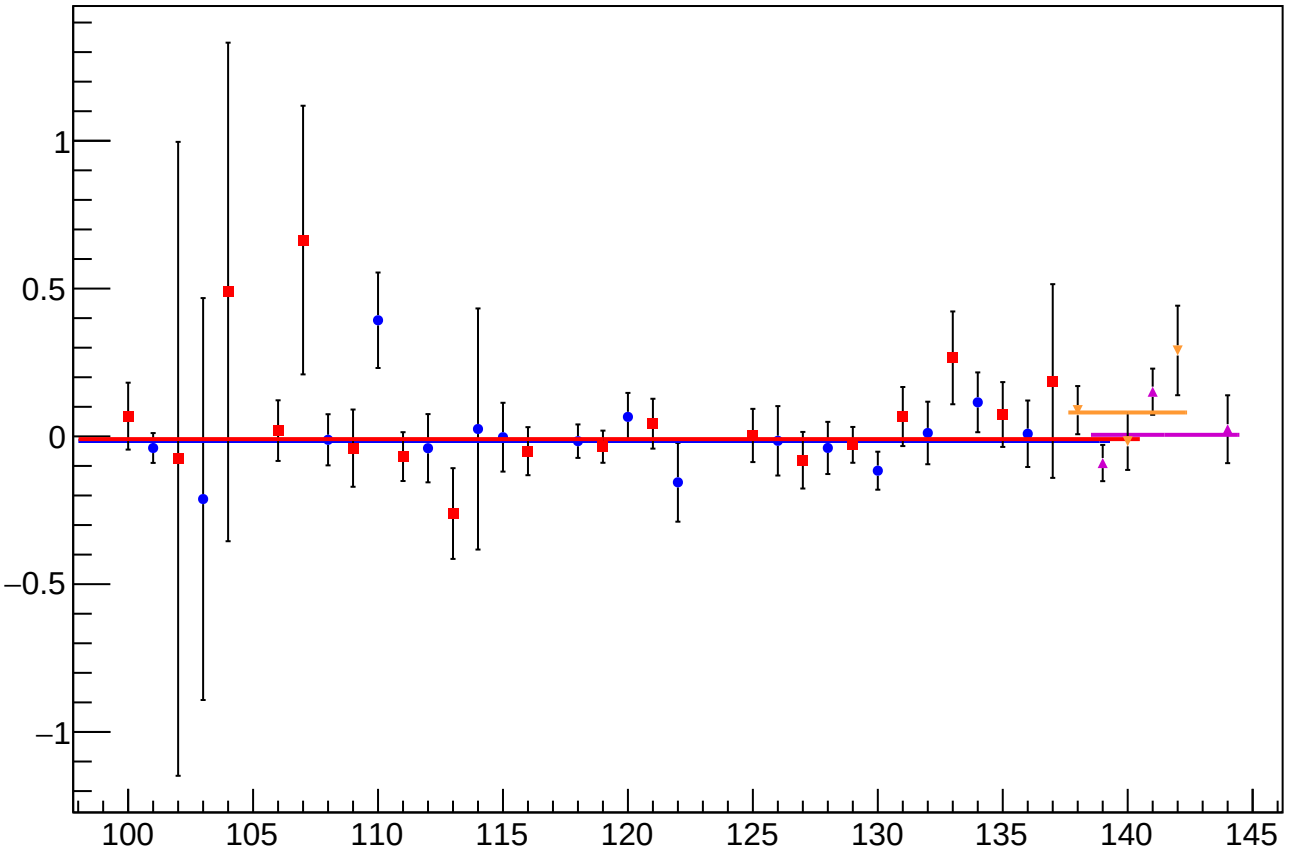
Left: 0.000+/-0.000 χ^2/NDF: 468632.9/5

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1982937.1/18

Out: 0.000+/-0.000 χ^2/NDF:2540755.9/20

All: 0.000+/-0.000 χ^2/NDF: 4543879.3/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.044 χ^2/NDF:5.9/2

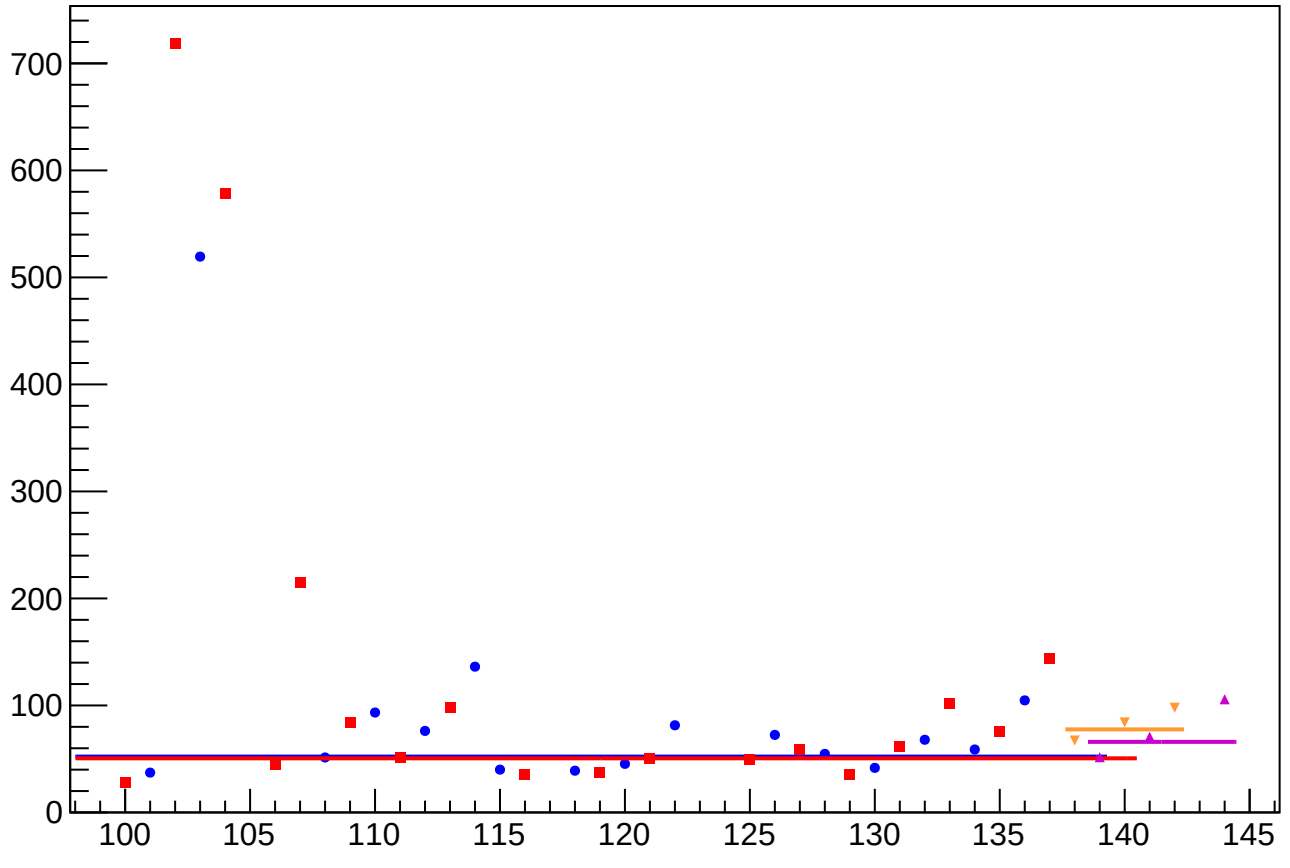
Left: 0.033+/-0.035 χ^2/NDF: 10.0/5

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.020 χ^2/NDF:19.3/18

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.004+/-0.015 χ^2/NDF: 37.1/39



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 77.627+/-0.041 χ^2/NDF:77150.8/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 65.959+/-0.031 χ^2/NDF:357436.8/2

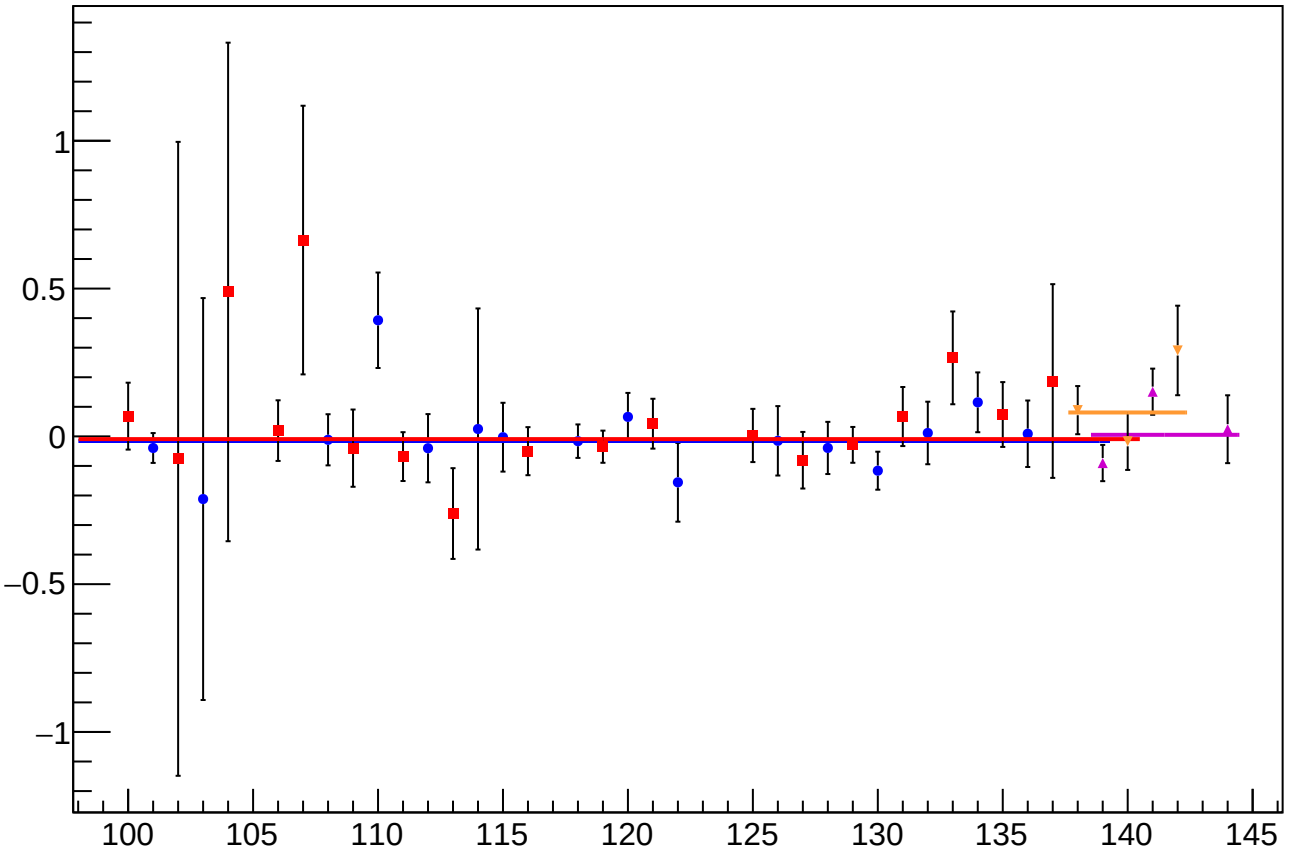
Left: 70.307+/-0.025 χ^2/NDF: 485921.1/5

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.026+/-0.014 χ^2/NDF:2776666.9/18

Out: 54.459+/-0.015 χ^2/NDF:3505133.0/20

All: 54.765+/-0.010 χ^2/NDF: 6282529.4/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.044 χ^2/NDF:5.9/2

Left: 0.033+/-0.035 χ^2/NDF: 10.0/5

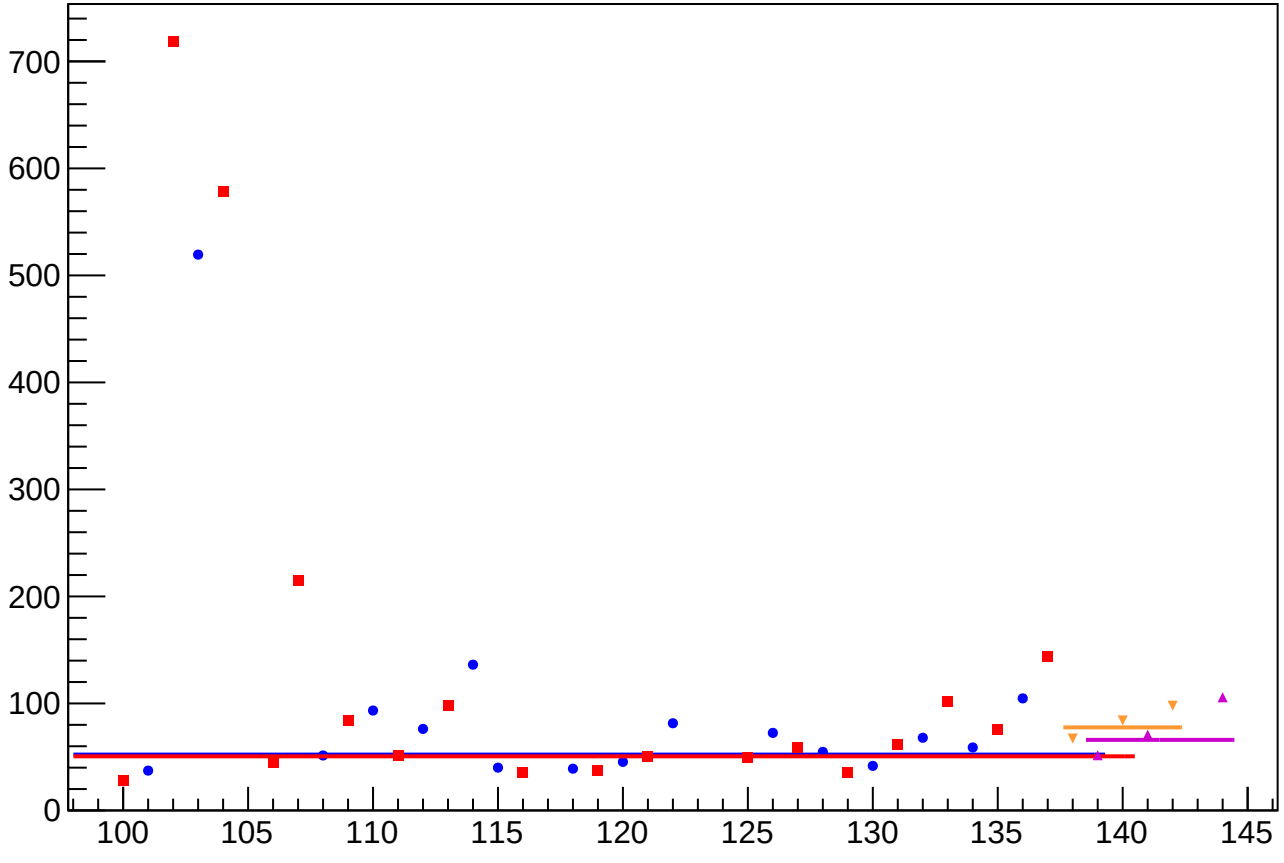
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.020 χ^2/NDF:19.3/18

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.004+/-0.015 χ^2/NDF: 37.1/39

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: 77.627+/-0.041 χ^2/NDF:77150.8/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 65.959+/-0.031 χ^2/NDF:357436.8/2

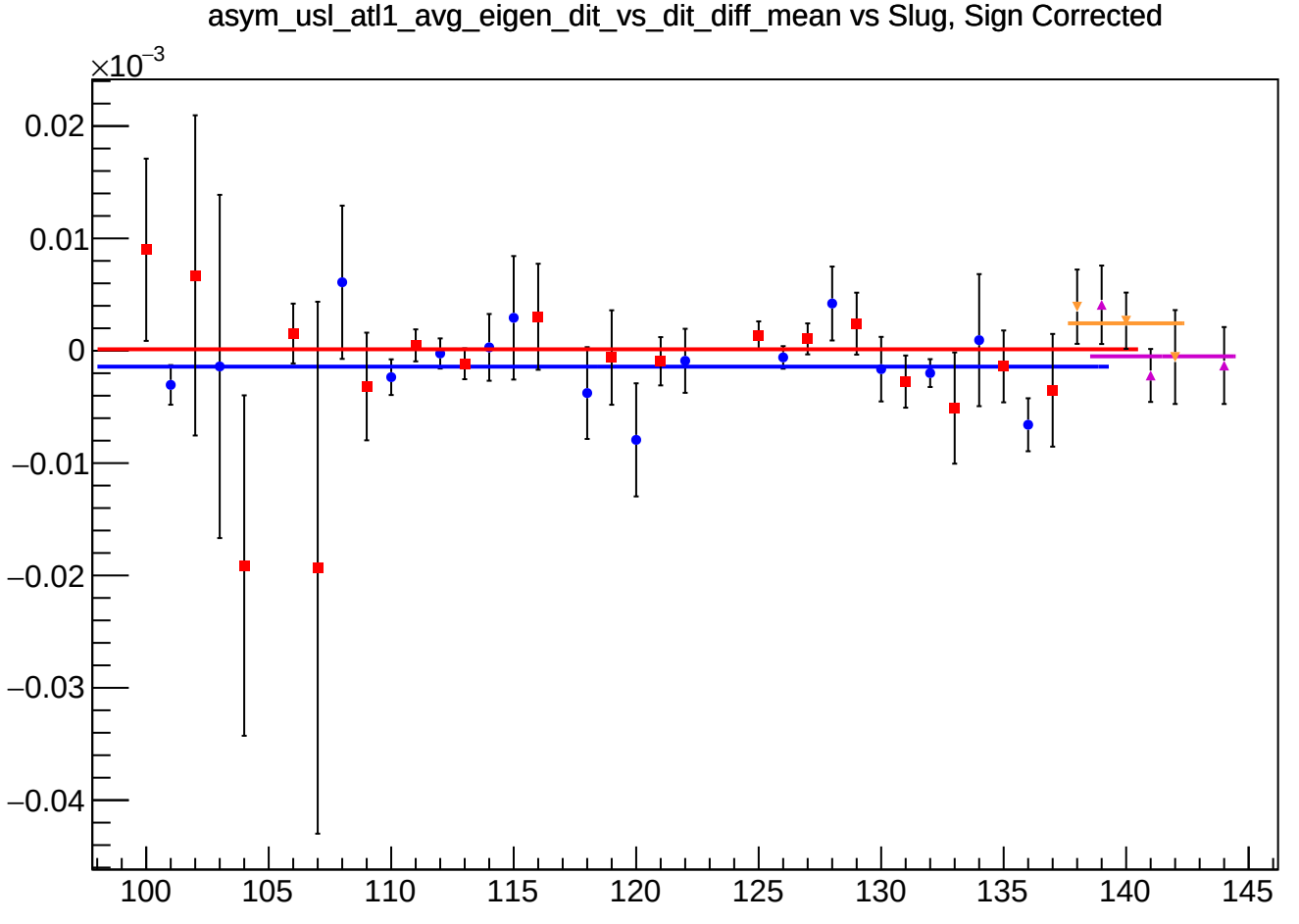
Left: 70.307+/-0.025 χ^2/NDF: 485921.1/5

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.026+/-0.014 χ^2/NDF:2776666.9/18

Out: 54.459+/-0.015 χ^2/NDF:3505133.0/20

All: 54.765+/-0.010 χ^2/NDF: 6282529.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/2

Left: 0.000+/-0.000 χ^2/NDF: 4.4/5

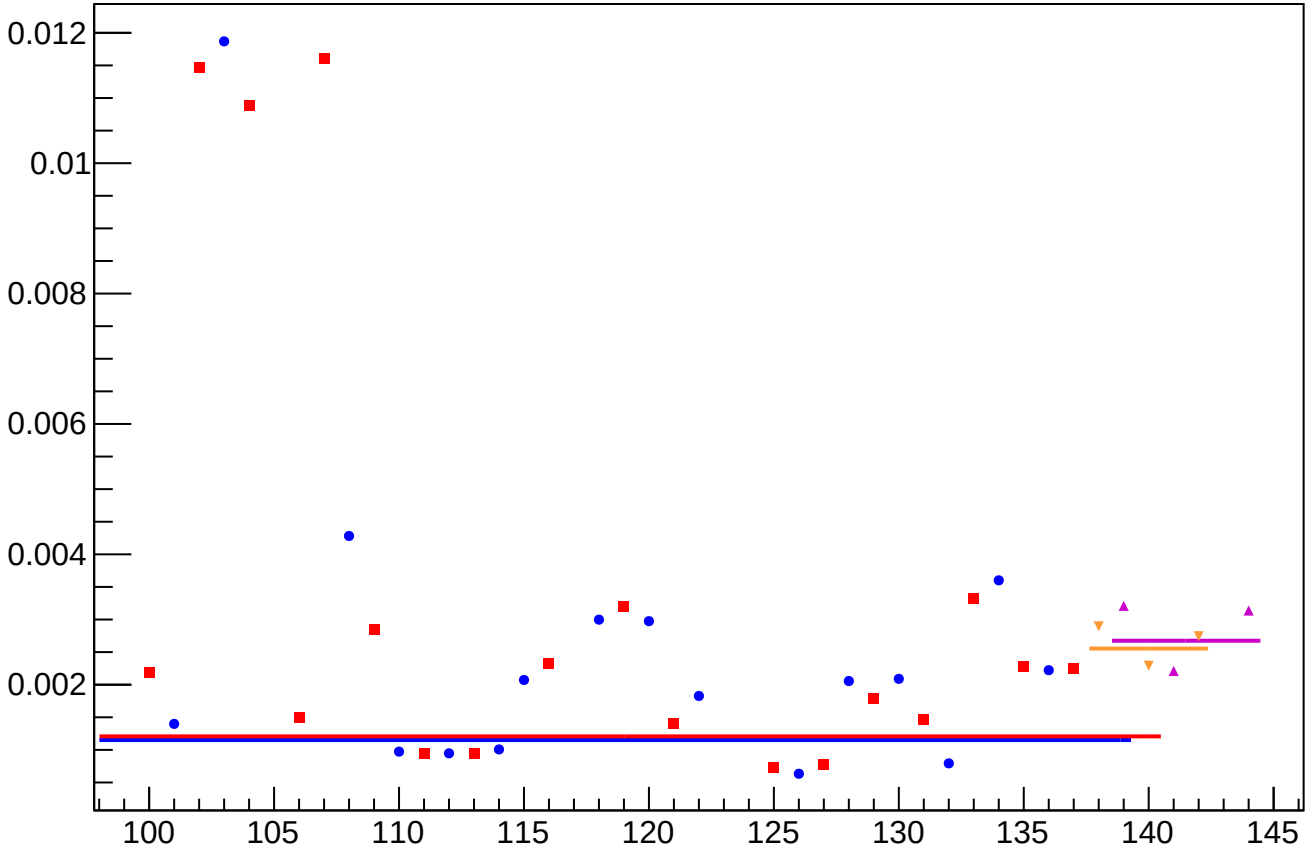
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:17.5/18

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: -0.000+/-0.000 χ^2/NDF: 36.6/39

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: 0.003+/-0.000 χ^2/NDF:47449.6/2

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:161007.5/2

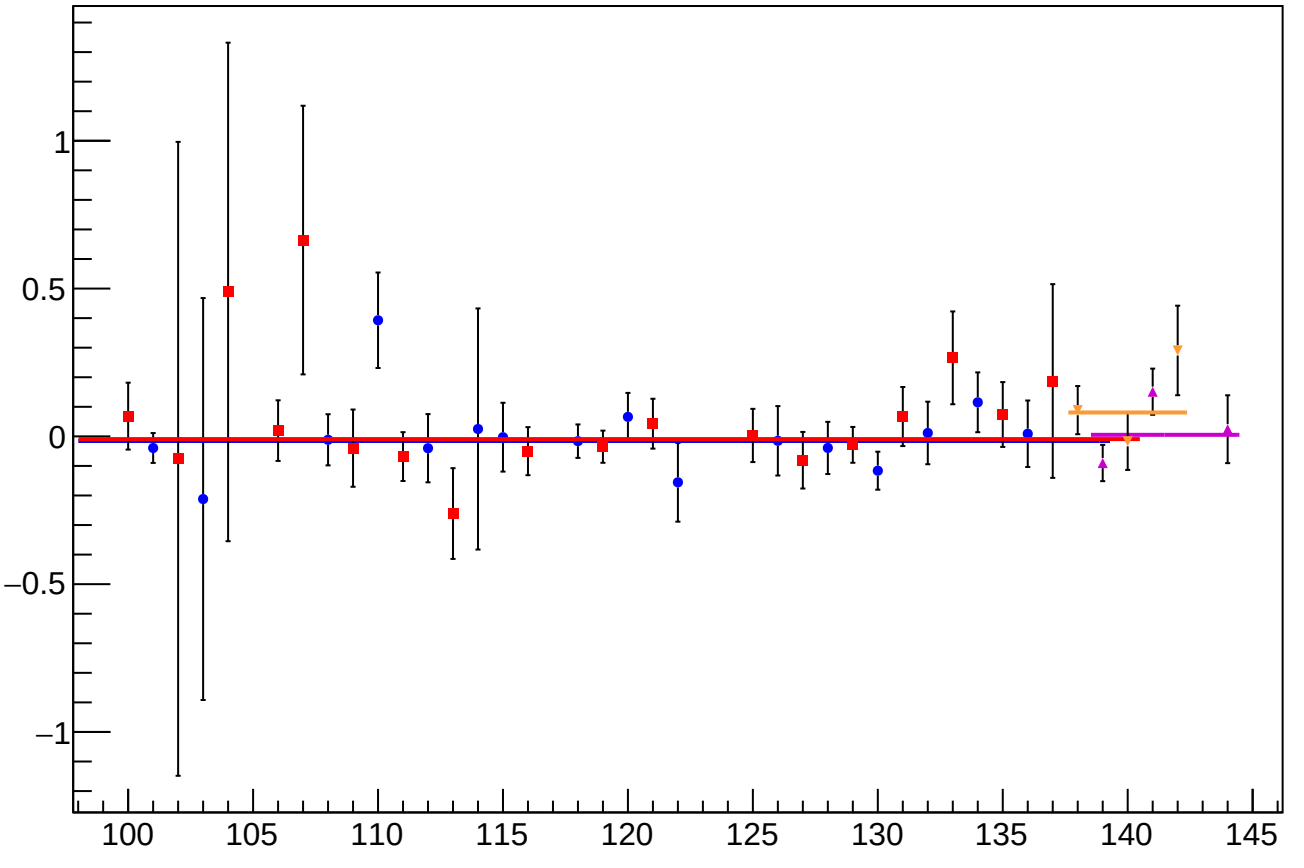
Left: 0.003+/-0.000 χ^2/NDF: 213130.9/5

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:5823114.3/18

Out: 0.001+/-0.000 χ^2/NDF:5590365.5/20

All: 0.001+/-0.000 χ^2/NDF: 11420792.1/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.044 χ^2/NDF:5.9/2

Left: 0.033+/-0.035 χ^2/NDF: 10.0/5

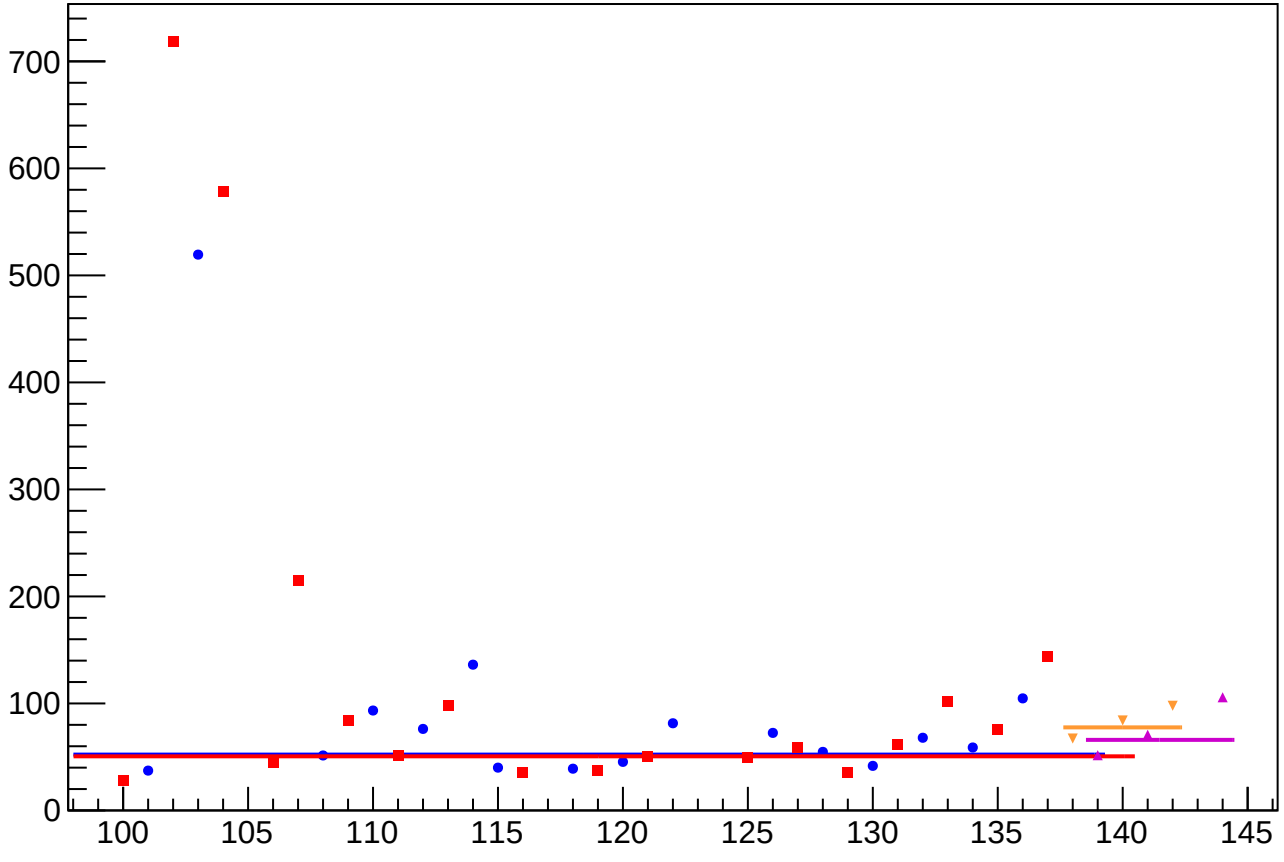
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.020 χ^2/NDF:19.3/18

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.004+/-0.015 χ^2/NDF: 37.1/39

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: 77.626+/-0.041 χ^2/NDF:77154.5/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 65.959+/-0.031 χ^2/NDF:357435.4/2

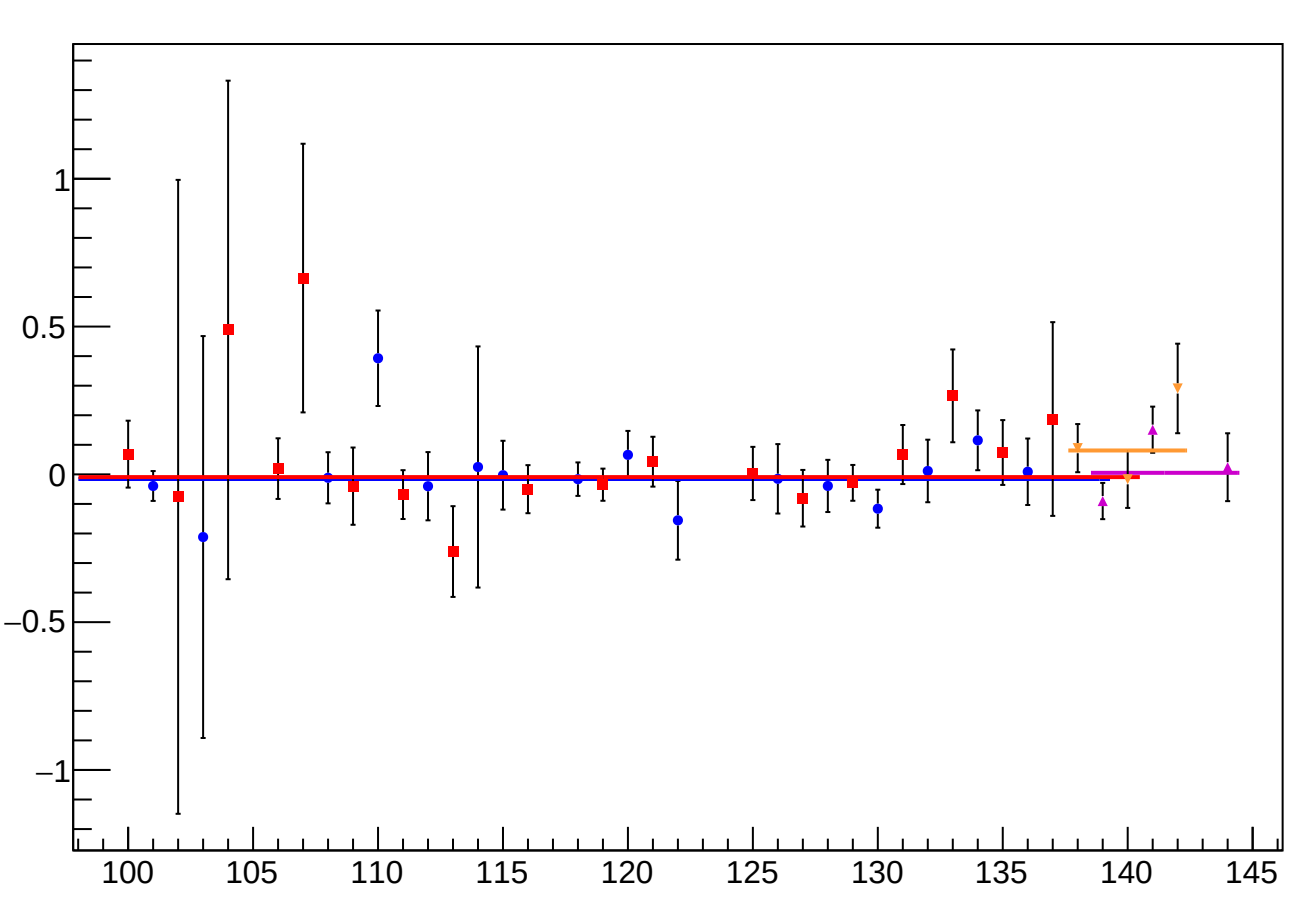
Left: 70.307+/-0.025 χ^2/NDF: 485922.2/5

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 55.026+/-0.014 χ^2/NDF:2776659.1/18

Out: 54.458+/-0.015 χ^2/NDF:3505121.5/20

All: 54.765+/-0.010 χ^2/NDF: 6282510.5/39



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.005+/-0.044 χ^2/NDF:5.9/2

Left: 0.033+/-0.035 χ^2/NDF: 10.0/5

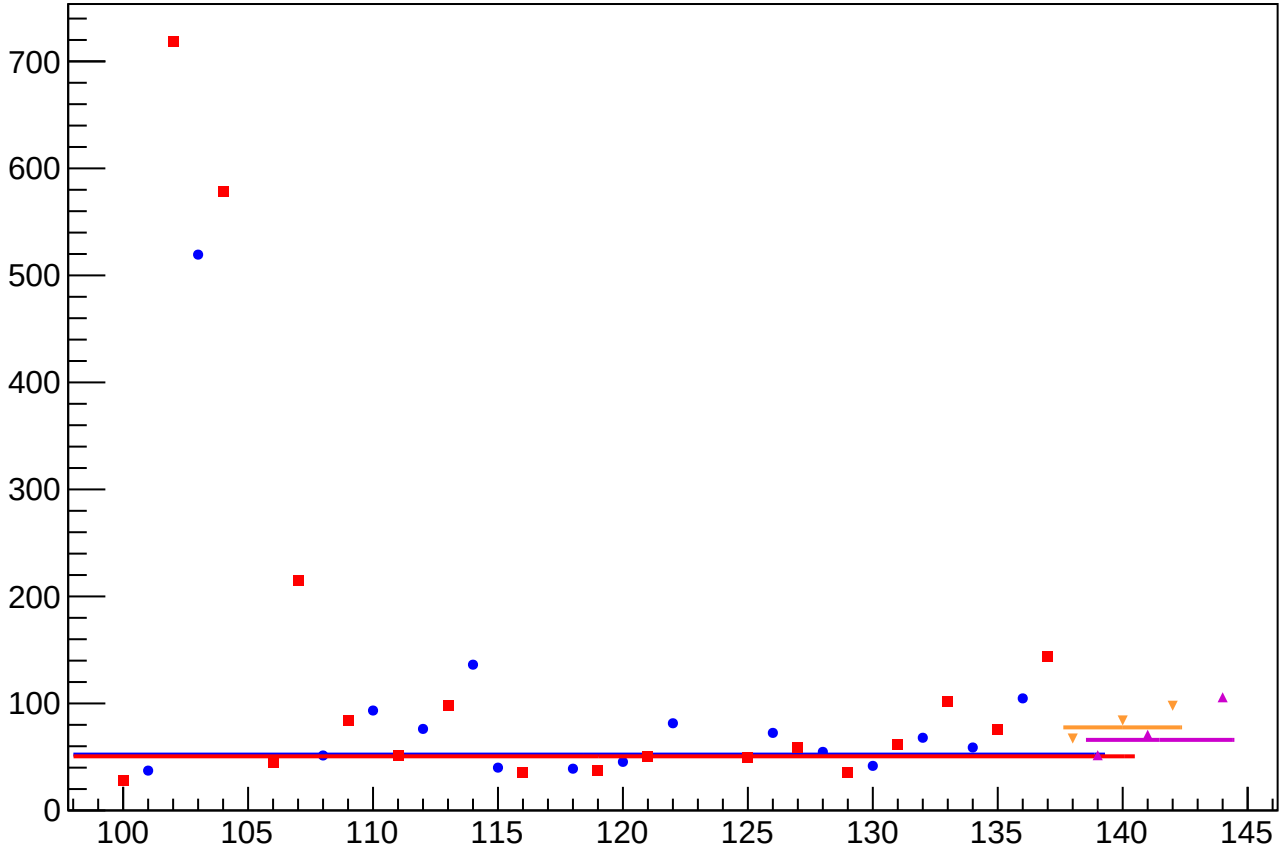
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.020 χ^2/NDF:19.3/18

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.004+/-0.015 χ^2/NDF: 37.1/39

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: 77.626+/-0.041 χ^2/NDF:77154.5/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 65.959+/-0.031 χ^2/NDF:357435.4/2

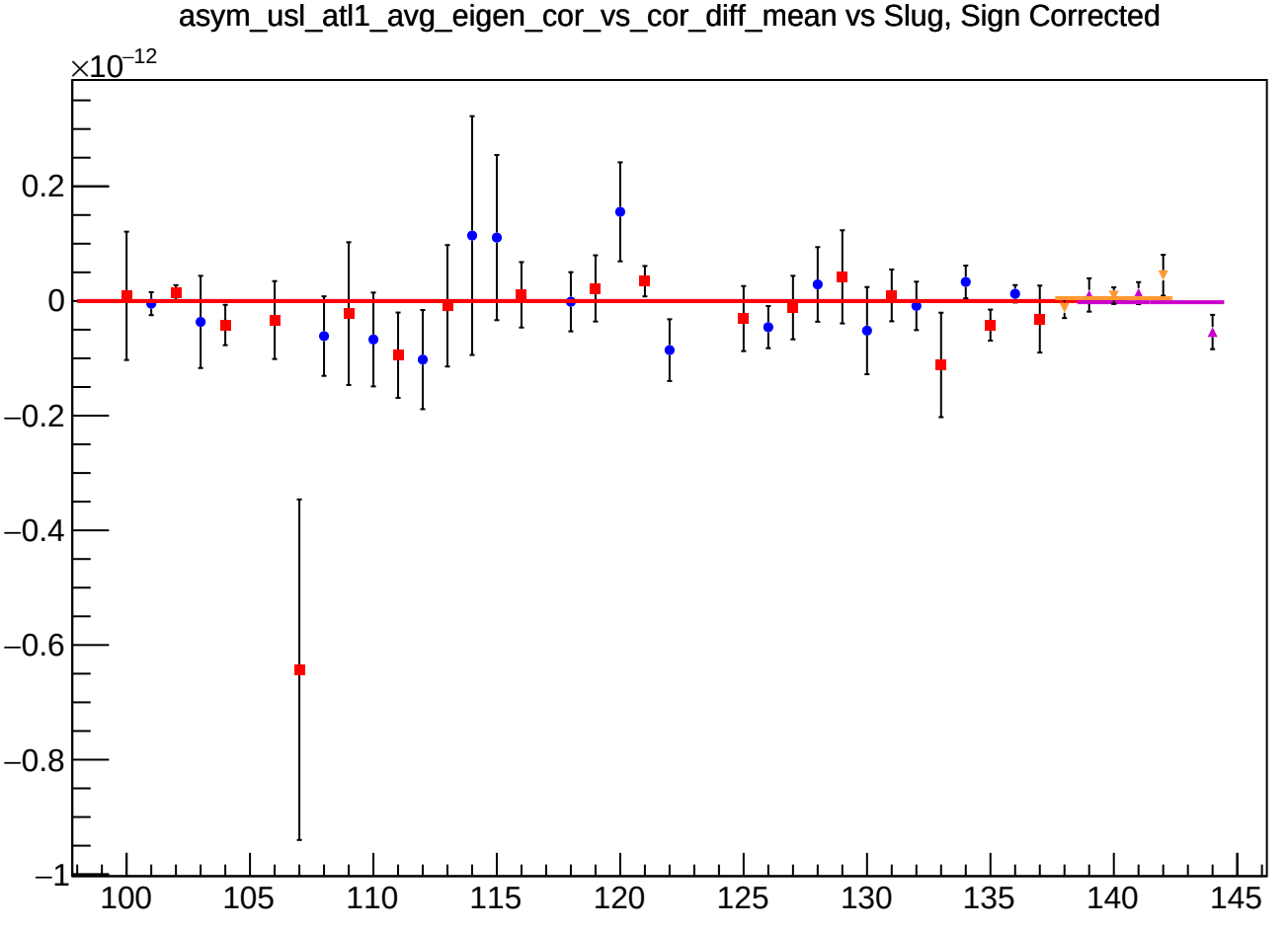
Left: 70.307+/-0.025 χ^2/NDF: 485922.2/5

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 55.026+/-0.014 χ^2/NDF:2776659.1/18

Out: 54.458+/-0.015 χ^2/NDF:3505121.5/20

All: 54.765+/-0.010 χ^2/NDF: 6282510.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/2

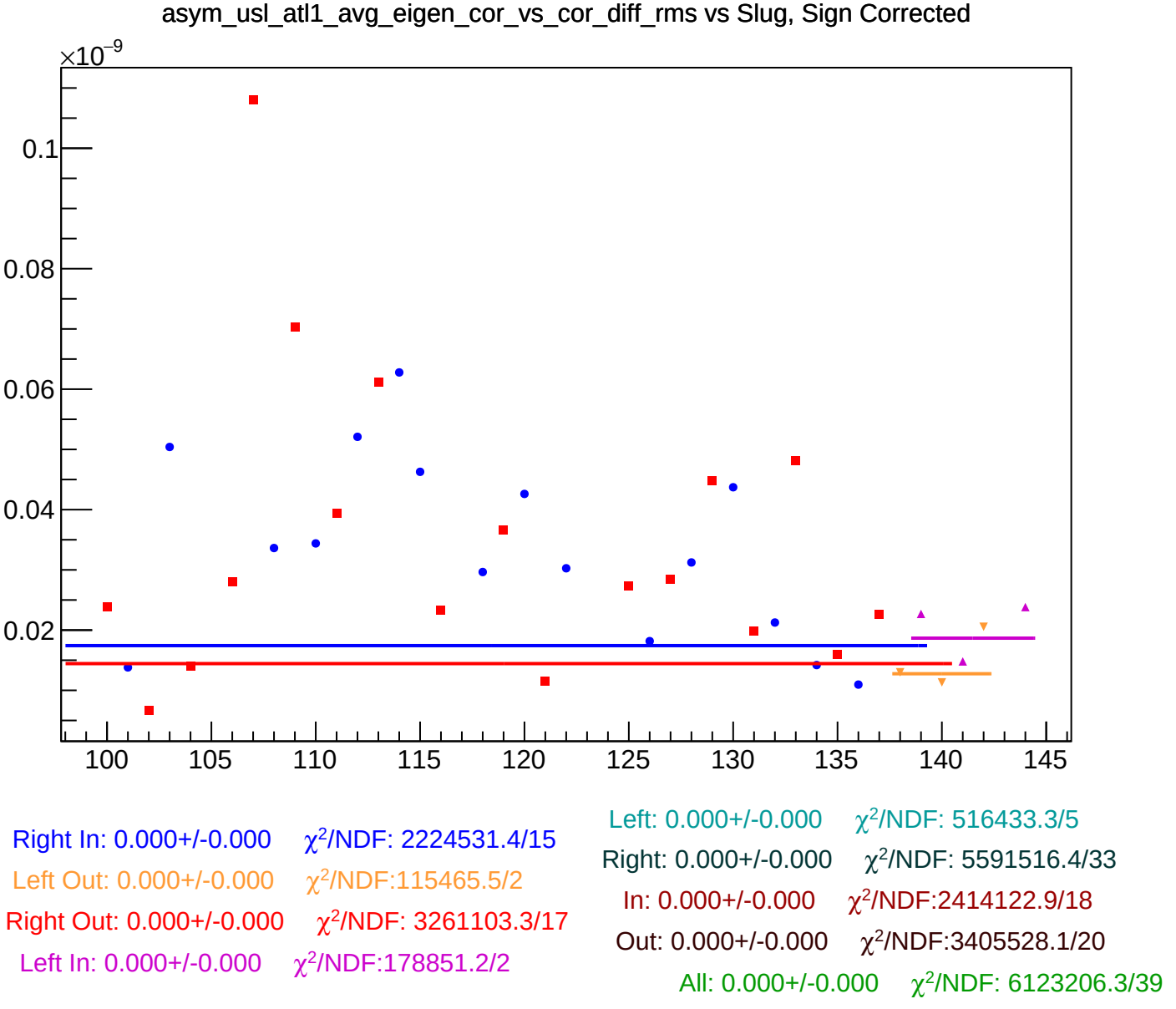
Left: 0.000+/-0.000 χ^2/NDF: 6.2/5

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

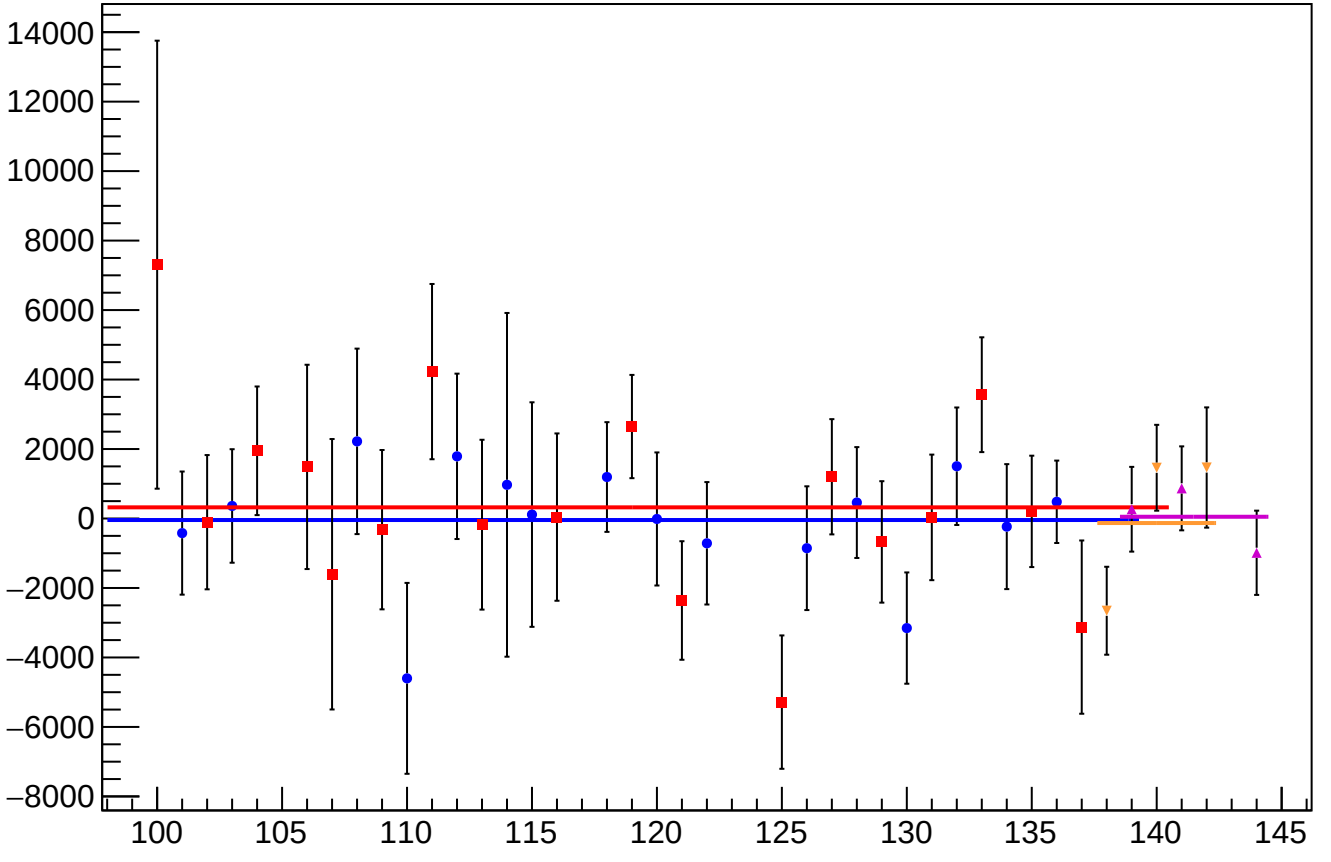
In: -0.000+/-0.000 χ^2/NDF:18.0/18

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 36.4/39


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:115465.5/2
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:178851.2/2
Left: 0.000+/-0.000 χ²/NDF: 516433.3/5
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:2414122.9/18
Out: 0.000+/-0.000 χ²/NDF:3405528.1/20
All: 0.000+/-0.000 χ²/NDF: 6123206.3/39

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.460+/-787.409 χ^2/NDF:6.5/2

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 50.352+/-700.687 χ^2/NDF:1.2/2

Left: -29.552+/-523.446 χ^2/NDF: 7.7/5

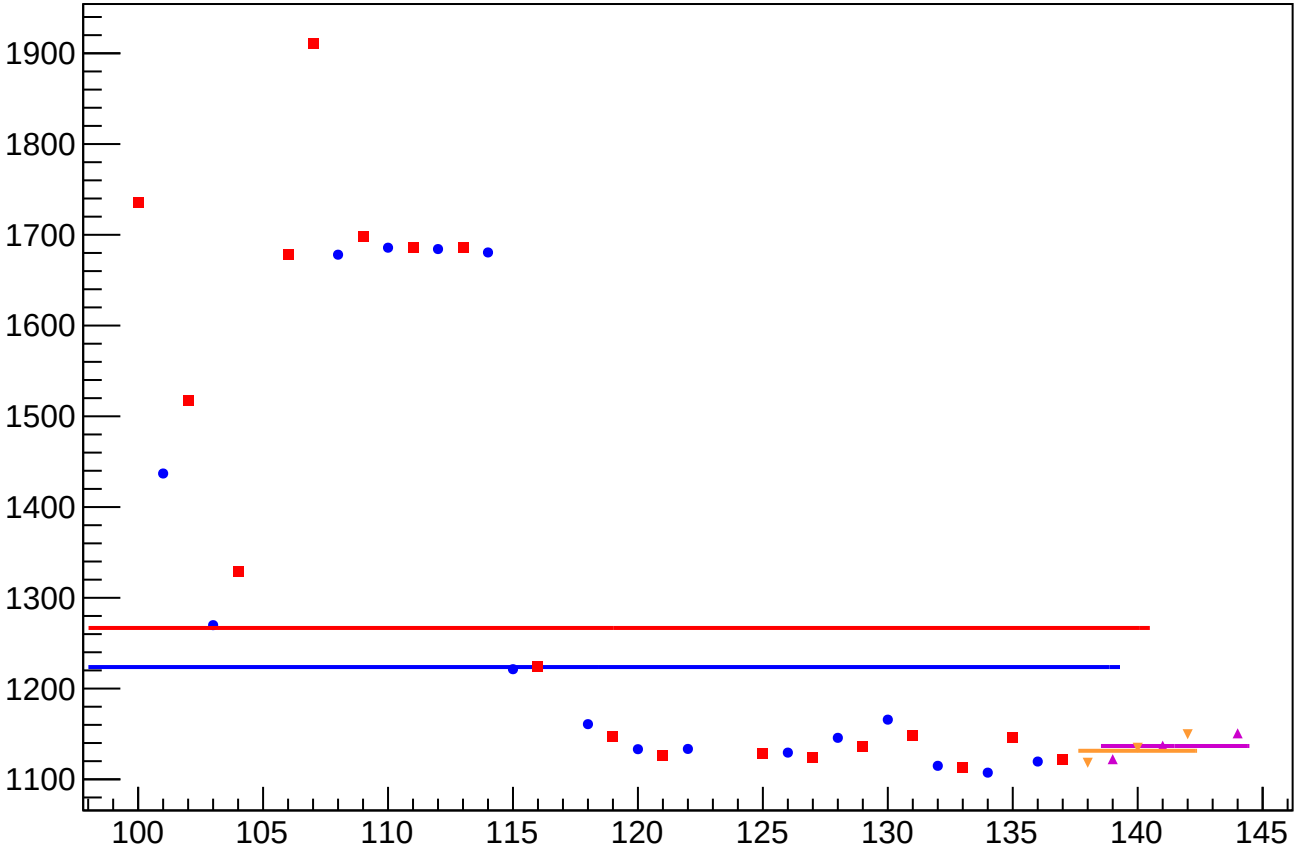
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -15.427+/-384.083 χ^2/NDF:11.3/18

Out: 200.763+/-406.688 χ^2/NDF:31.5/20

All: 86.493+/-279.237 χ^2/NDF: 43.0/39

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

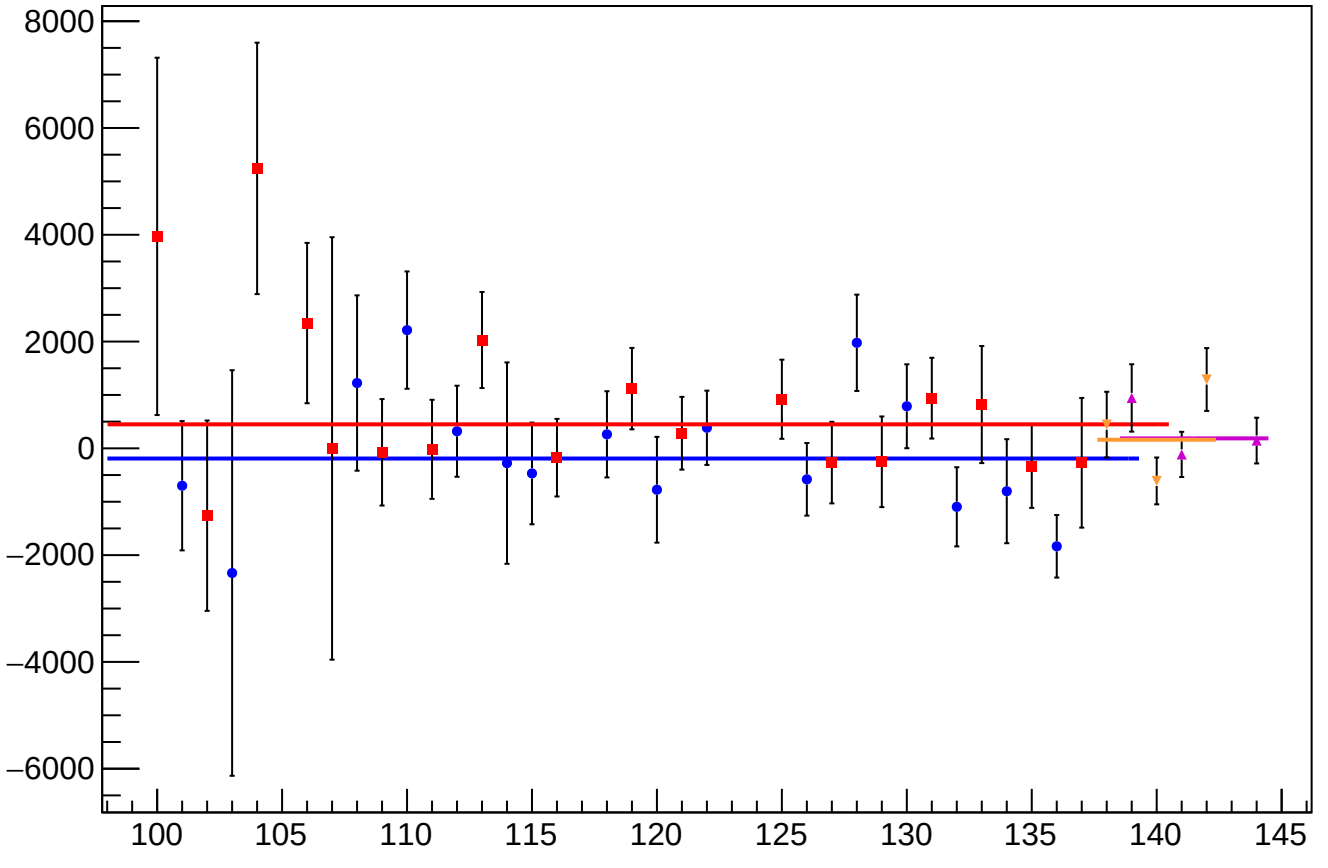
Left: 1134.387+/-0.370 χ^2/NDF: 1052.4/5

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1197.568+/-0.272 χ^2/NDF:317078.5/18

Out: 1230.678+/-0.288 χ^2/NDF:476619.0/20

All: 1213.177+/-0.197 χ^2/NDF: 800704.4/39



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 161.156+/-305.328 χ^2/NDF:7.0/2

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 186.782+/-271.762 χ^2/NDF:2.0/2

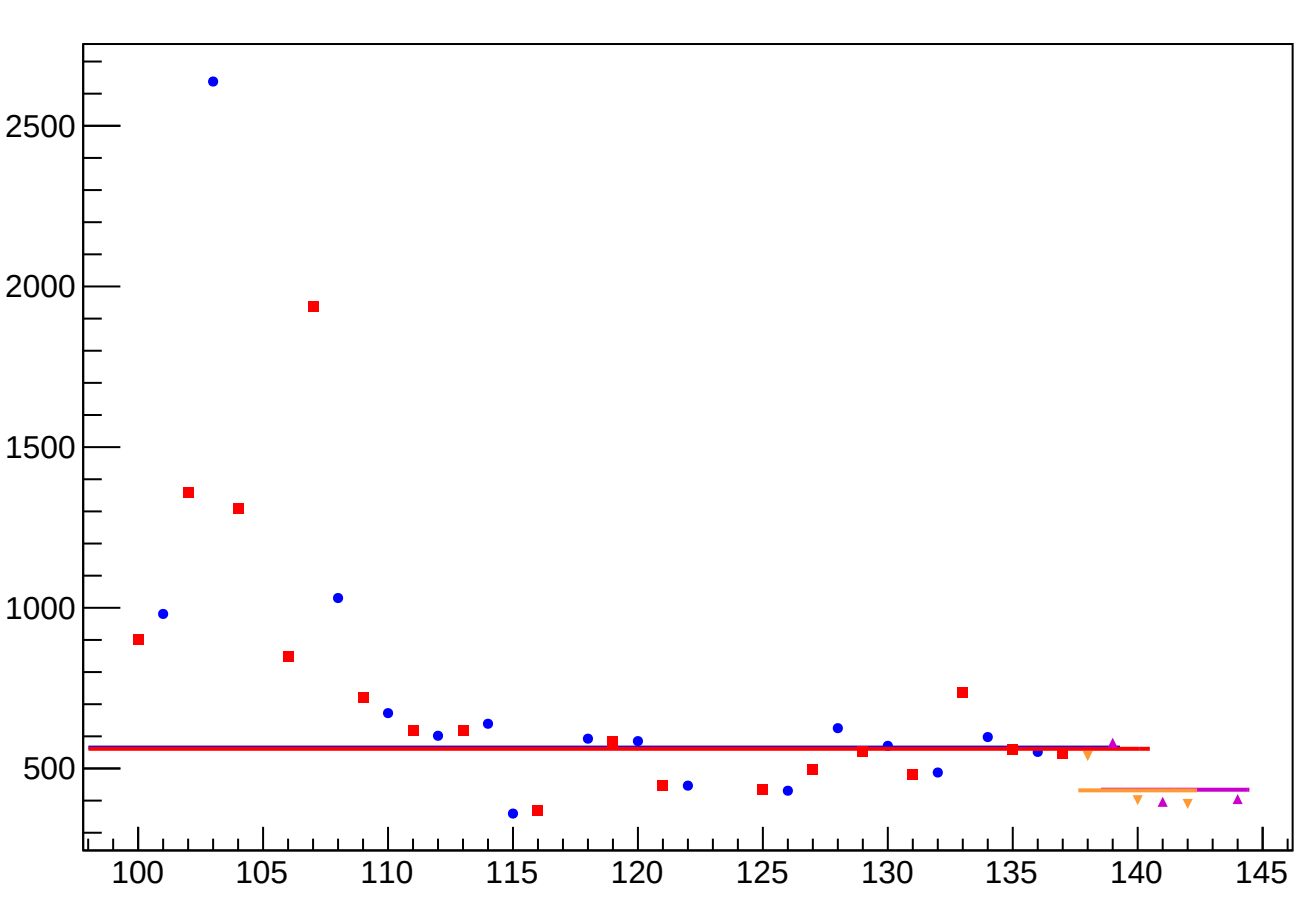
Left: 175.454+/-202.999 χ^2/NDF: 8.9/5

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -38.872+/-172.330 χ^2/NDF:28.4/18

Out: 349.302+/-180.190 χ^2/NDF:24.4/20

All: 146.565+/-124.542 χ^2/NDF: 55.2/39



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 431.900+/-0.216 χ^2/NDF:80260.4/2

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 433.867+/-0.192 χ^2/NDF:132256.4/2

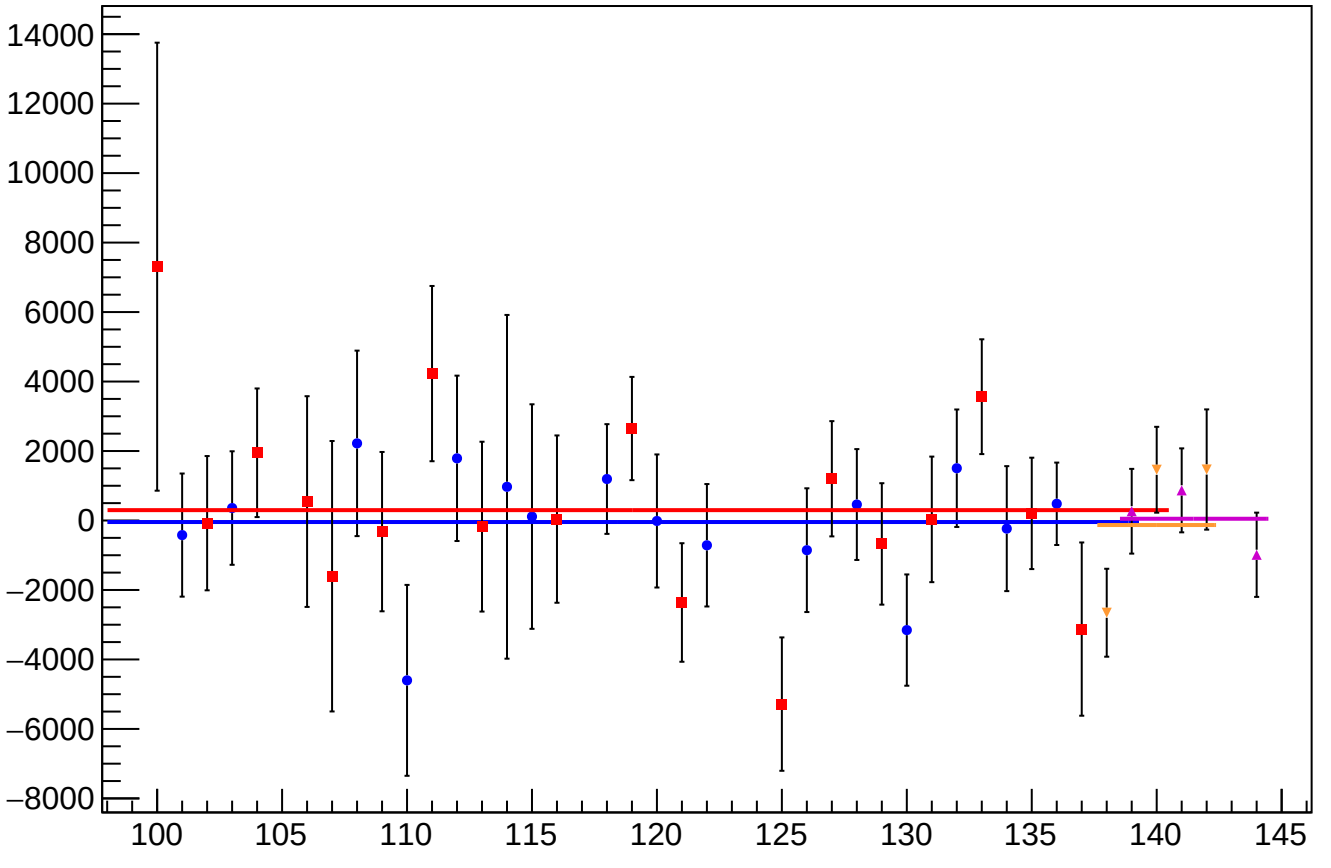
Left: 432.997+/-0.144 χ^2/NDF: 212563.1/5

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 512.245+/-0.122 χ^2/NDF:1694980.0/18

Out: 516.196+/-0.127 χ^2/NDF:1666408.5/20

All: 514.133+/-0.088 χ^2/NDF: 3361890.6/39



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.244+/-700.687 χ^2/NDF:1.2/2

Left: -29.610+/-523.446 χ^2/NDF: 7.7/5

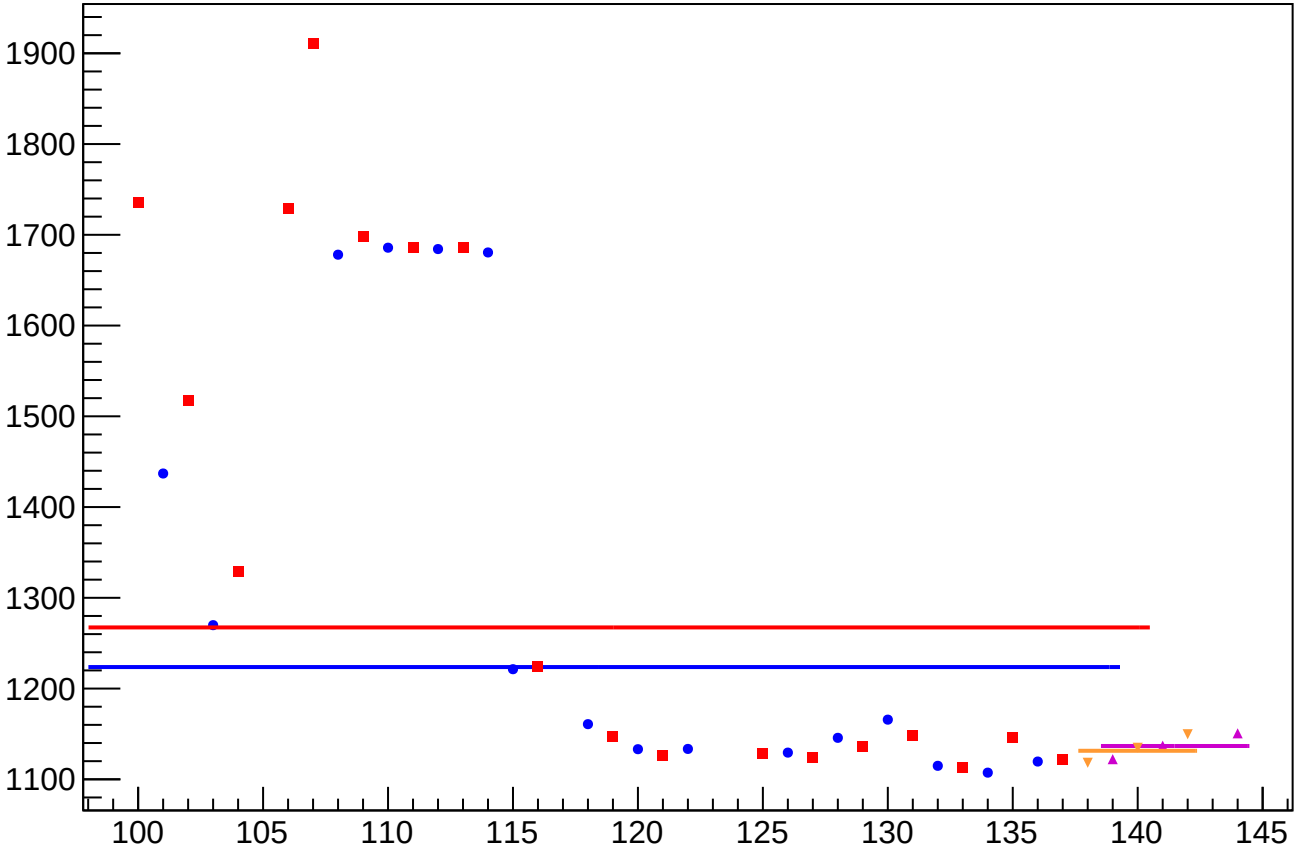
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -15.628+/-384.083 χ^2/NDF:11.3/18

Out: 183.725+/-406.923 χ^2/NDF:31.3/20

All: 78.297+/-279.313 χ^2/NDF: 42.8/39

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

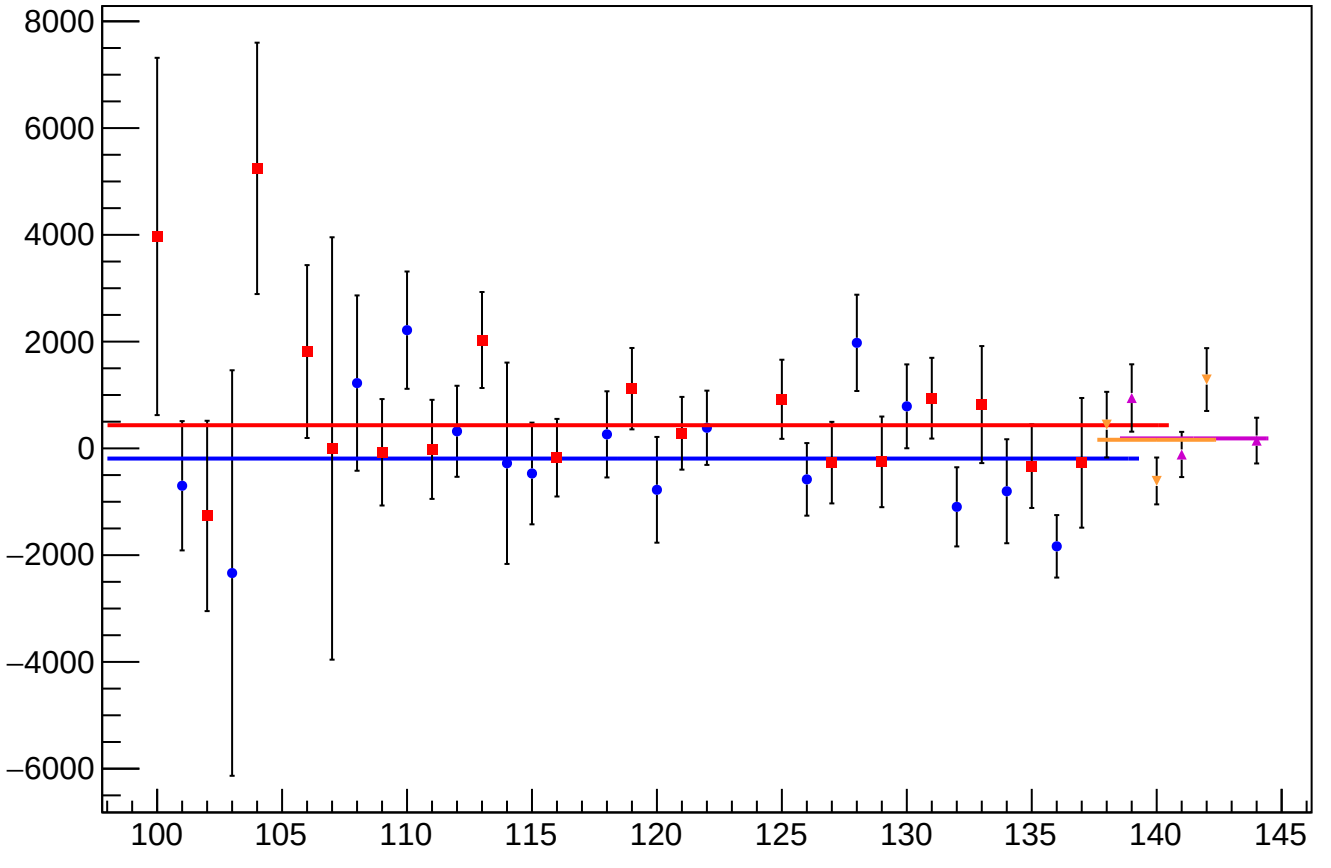
Left: 1134.387+/-0.370 χ^2/NDF: 1052.4/5

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1197.568+/-0.272 χ^2/NDF:317078.5/18

Out: 1231.064+/-0.288 χ^2/NDF:484111.9/20

All: 1213.349+/-0.198 χ^2/NDF: 808357.2/39



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.768+/-271.763 χ^2/NDF:2.0/2

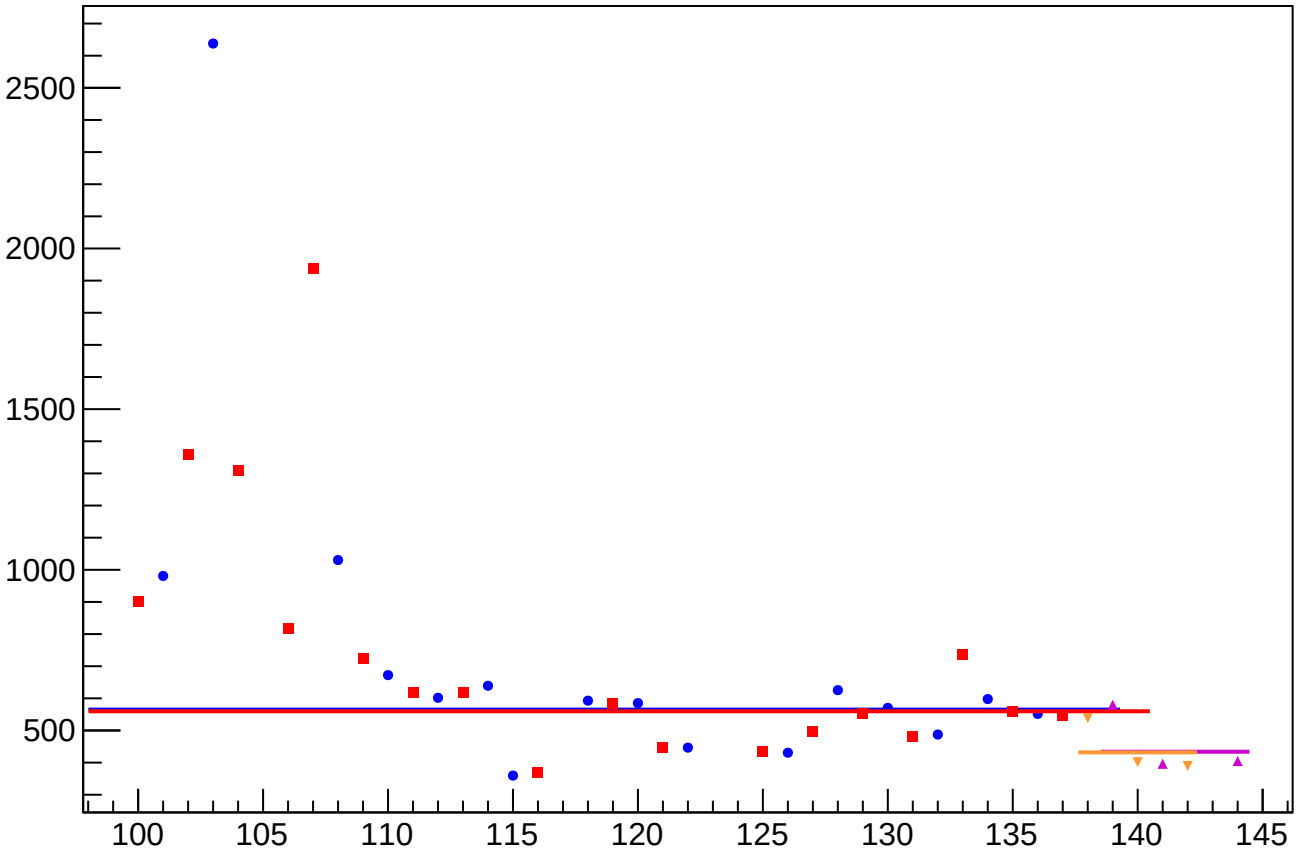
Left: 175.435+/-203.000 χ^2/NDF: 8.9/5

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -38.885+/-172.329 χ^2/NDF:28.4/18

Out: 338.695+/-180.372 χ^2/NDF:23.4/20

All: 141.300+/-124.601 χ^2/NDF: 54.1/39



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 433.868+/-0.192 χ^2/NDF:132250.8/2

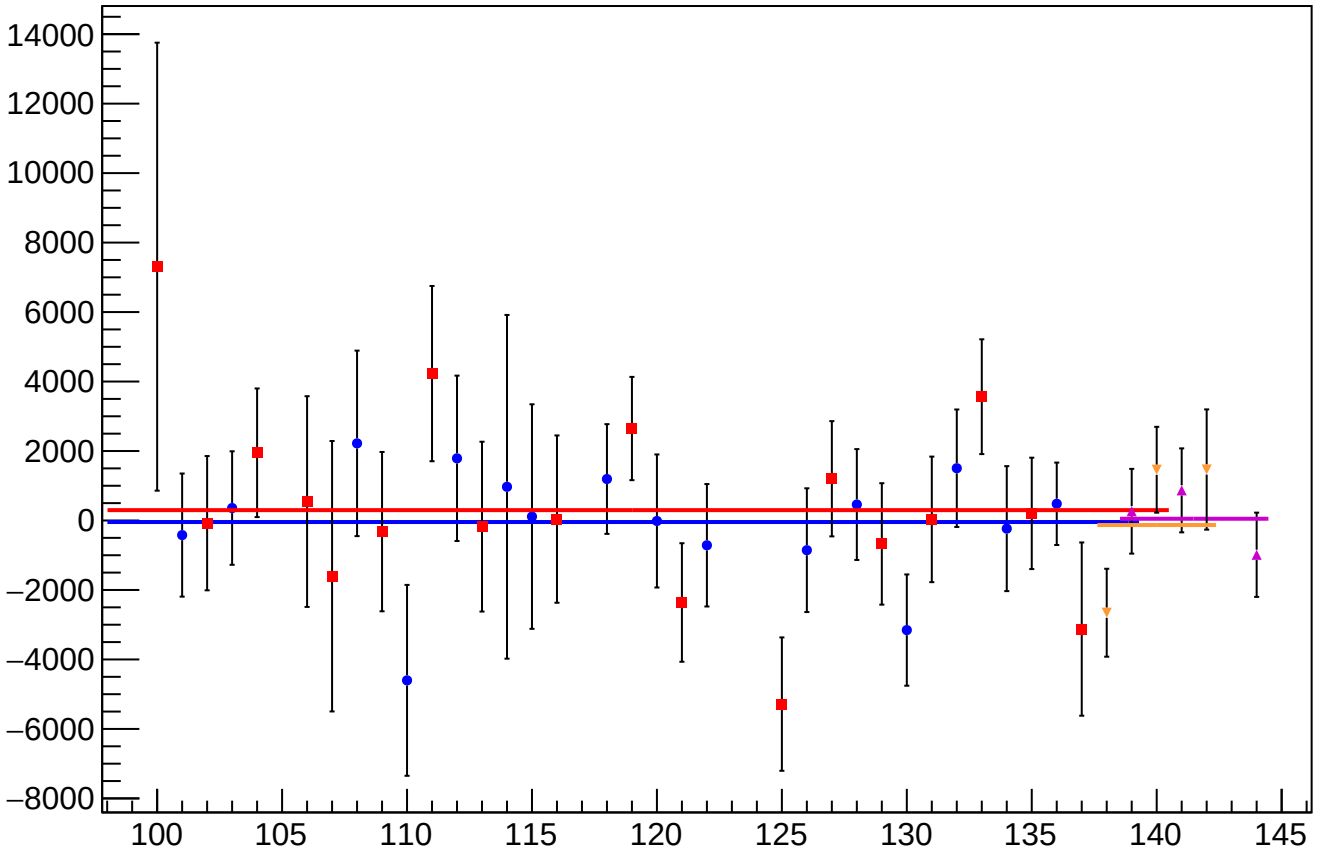
Left: 433.000+/-0.144 χ^2/NDF: 212535.5/5

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 512.244+/-0.122 χ^2/NDF:1694927.1/18

Out: 515.140+/-0.128 χ^2/NDF:1637900.0/20

All: 513.626+/-0.088 χ^2/NDF: 3333096.6/39



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.244+/-700.687 χ^2/NDF:1.2/2

Left: -29.610+/-523.446 χ^2/NDF: 7.7/5

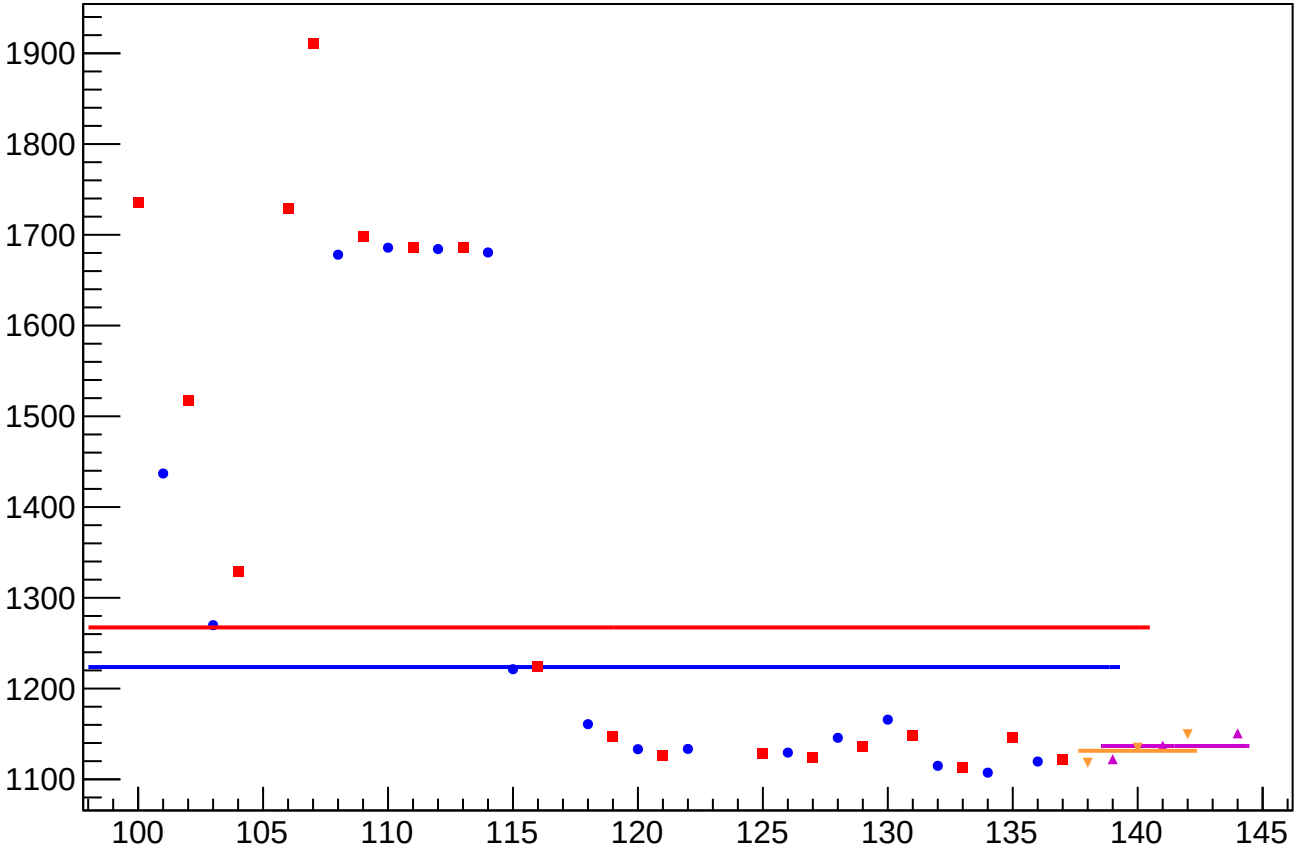
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -15.628+/-384.083 χ^2/NDF:11.3/18

Out: 183.725+/-406.923 χ^2/NDF:31.3/20

All: 78.297+/-279.313 χ^2/NDF: 42.8/39

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: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1136.716+/-0.495 χ^2/NDF:549.2/2

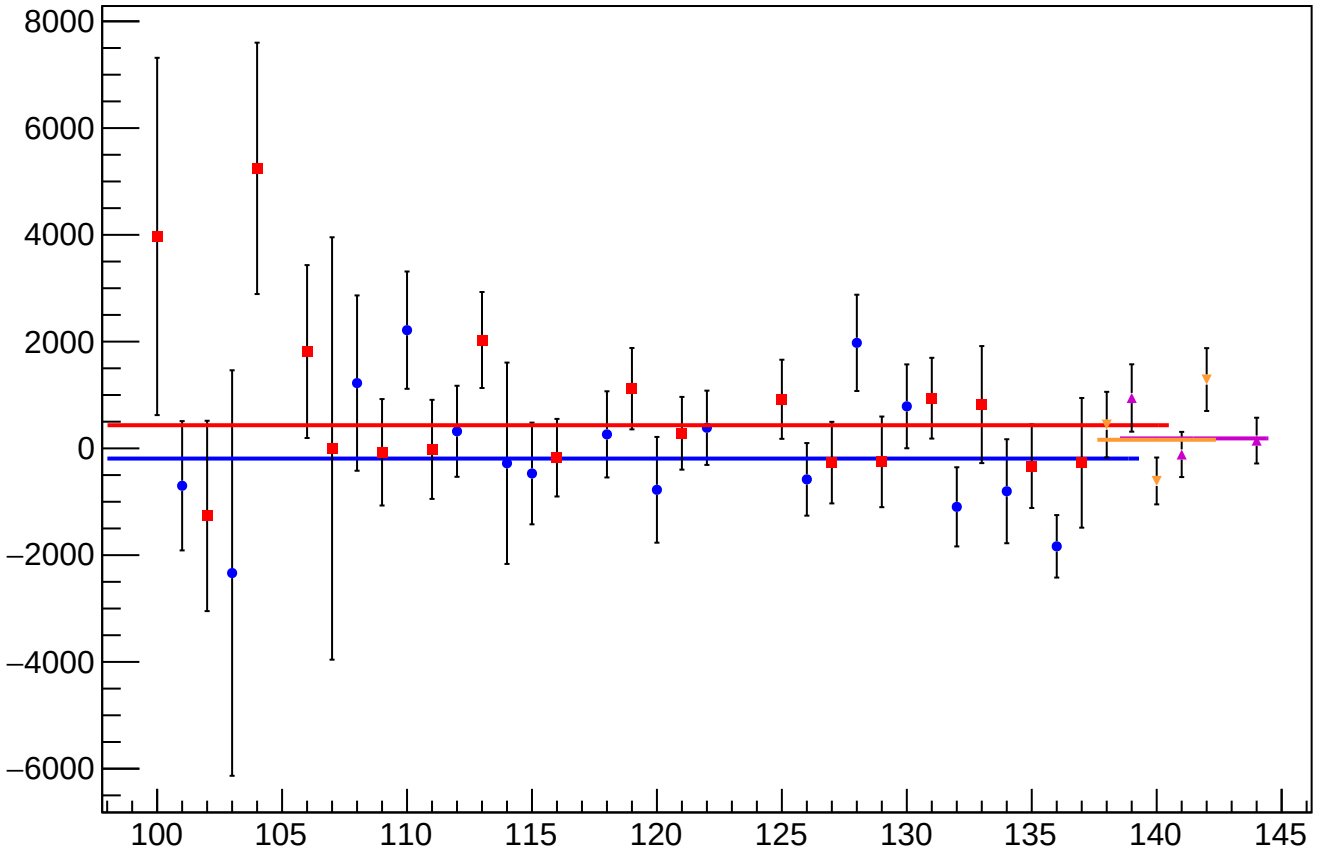
Left: 1134.387+/-0.370 χ^2/NDF: 1052.4/5

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1197.568+/-0.272 χ^2/NDF:317078.5/18

Out: 1231.064+/-0.288 χ^2/NDF:484111.9/20

All: 1213.349+/-0.198 χ^2/NDF: 808357.2/39



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.768+/-271.763 χ^2/NDF:2.0/2

Left: 175.435+/-203.000 χ^2/NDF: 8.9/5

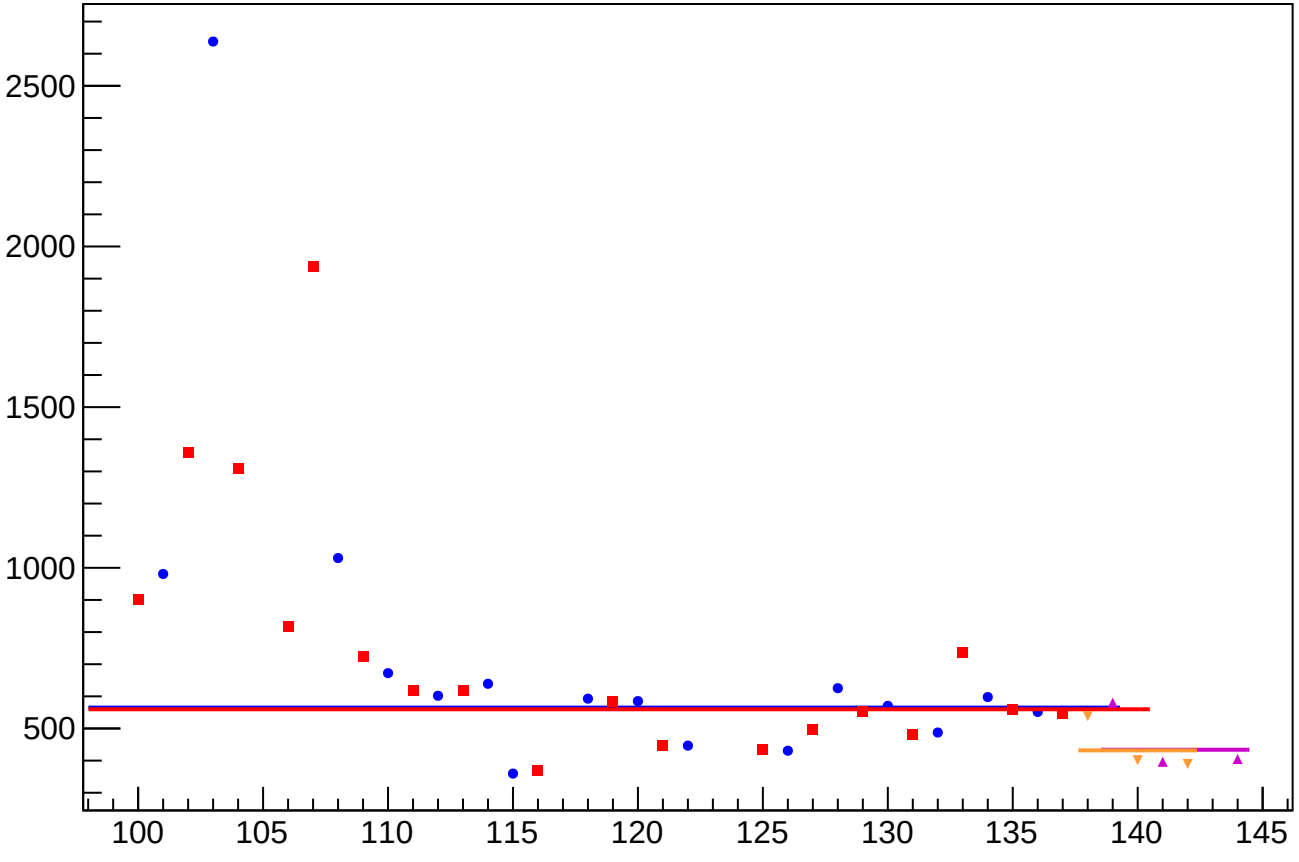
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -38.885+/-172.329 χ^2/NDF:28.4/18

Out: 338.695+/-180.372 χ^2/NDF:23.4/20

All: 141.300+/-124.601 χ^2/NDF: 54.1/39

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: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 433.868+/-0.192 χ^2/NDF:132250.8/2

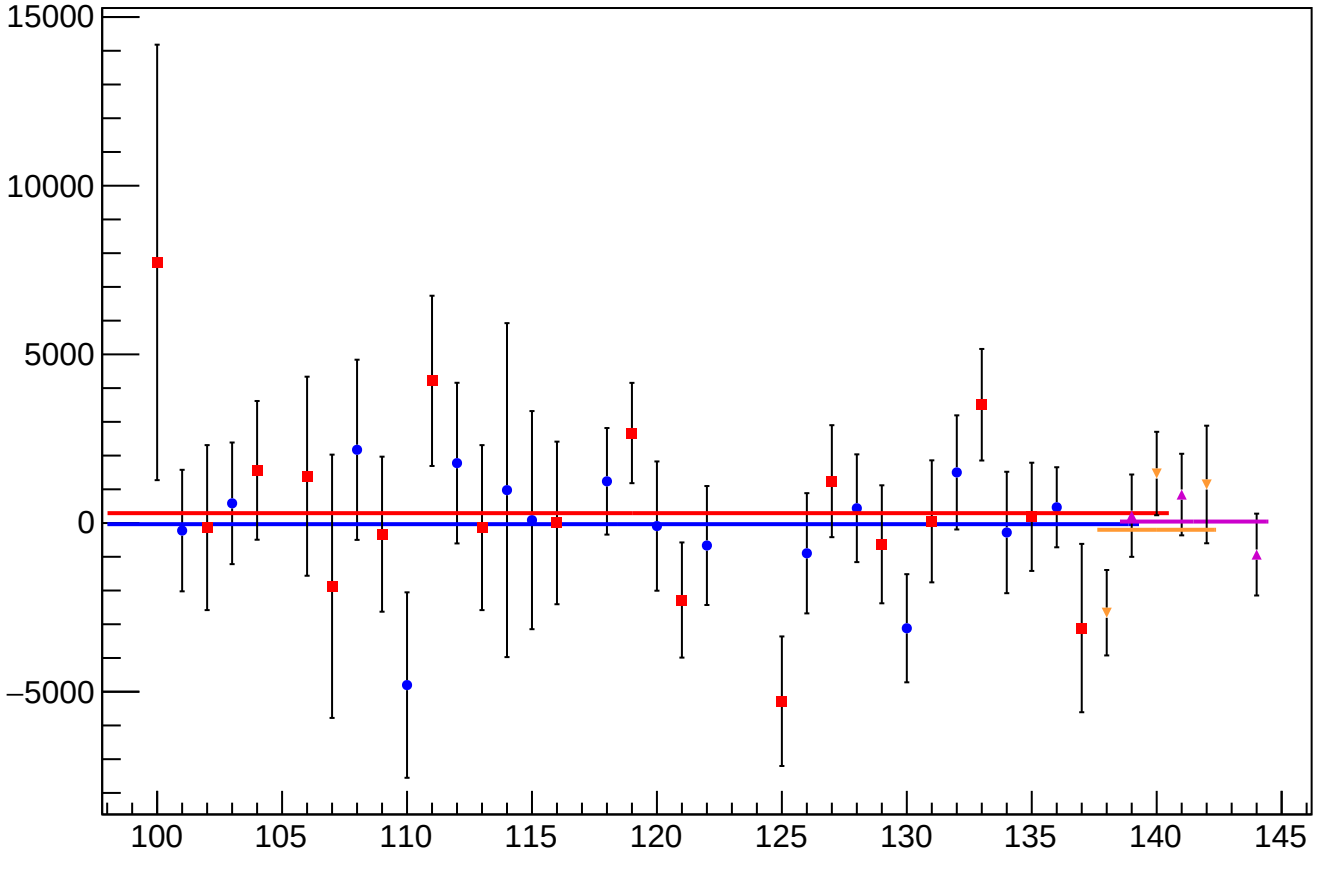
Left: 433.000+/-0.144 χ^2/NDF: 212535.5/5

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 512.244+/-0.122 χ^2/NDF:1694927.1/18

Out: 515.140+/-0.128 χ^2/NDF:1637900.0/20

All: 513.626+/-0.088 χ^2/NDF: 3333096.6/39



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 44.084+/-701.003 χ^2/NDF:1.1/2

Left: -63.360+/-524.003 χ^2/NDF: 7.3/5

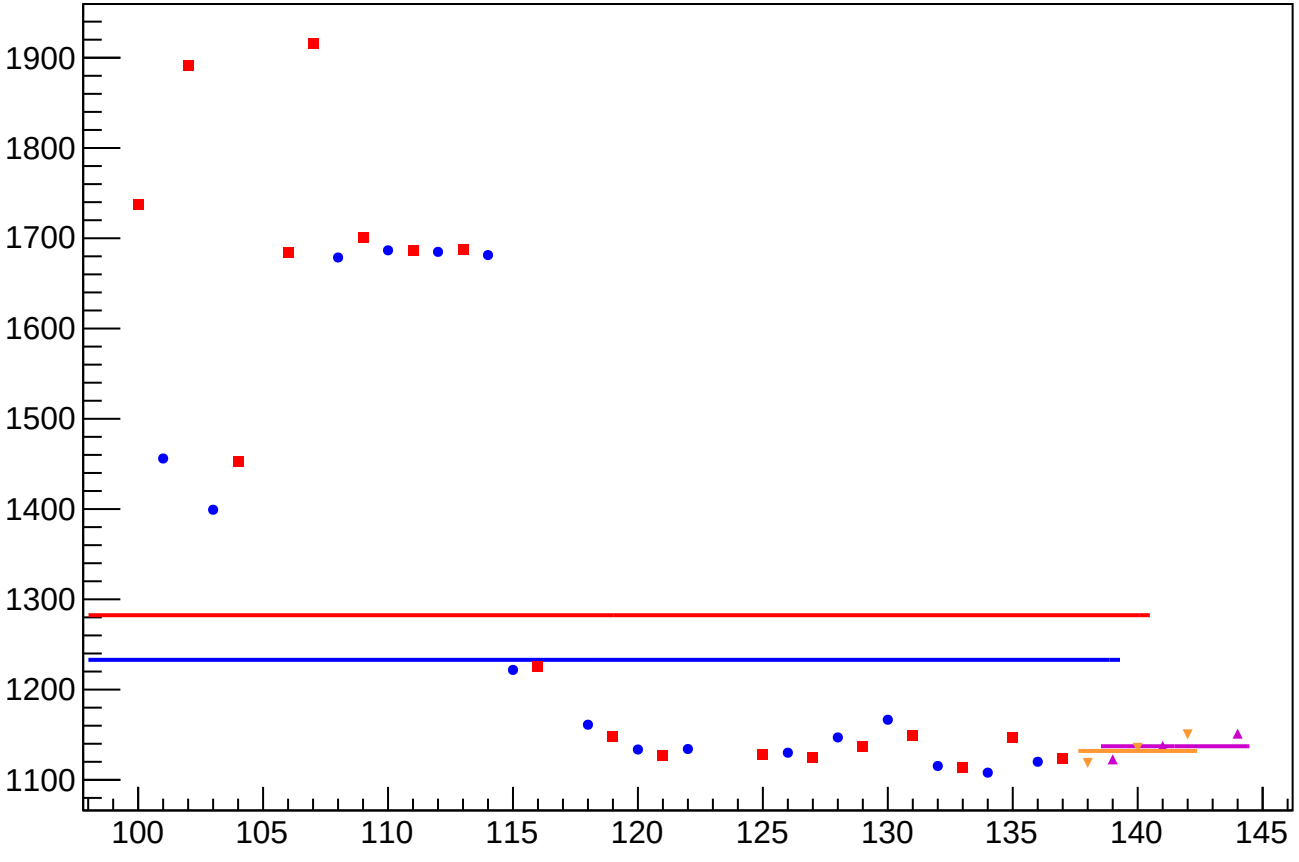
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -9.615+/-386.464 χ^2/NDF:11.4/18

Out: 158.673+/-412.440 χ^2/NDF:30.7/20

All: 69.063+/-282.008 χ^2/NDF: 42.2/39

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1137.228+/-0.496 χ^2/NDF:548.5/2

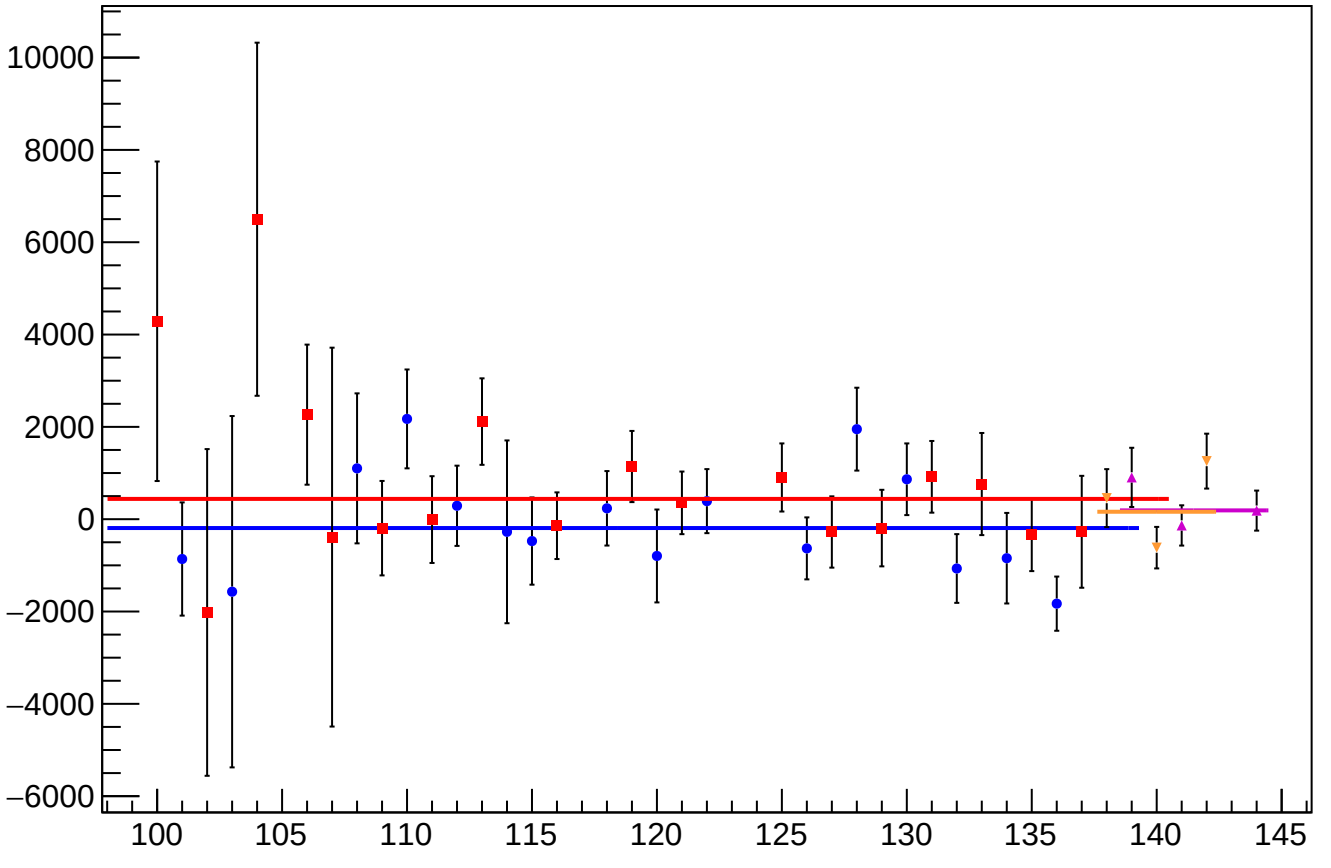
Left: 1134.923+/-0.371 χ^2/NDF: 1054.1/5

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1203.867+/-0.273 χ^2/NDF:341985.1/18

Out: 1241.294+/-0.292 χ^2/NDF:596689.1/20

All: 1221.365+/-0.199 χ^2/NDF: 947443.6/39



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 161.403+/-311.454 χ^2/NDF:6.6/2

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 190.894+/-277.340 χ^2/NDF:1.8/2

Left: 177.852+/-207.124 χ^2/NDF: 8.4/5

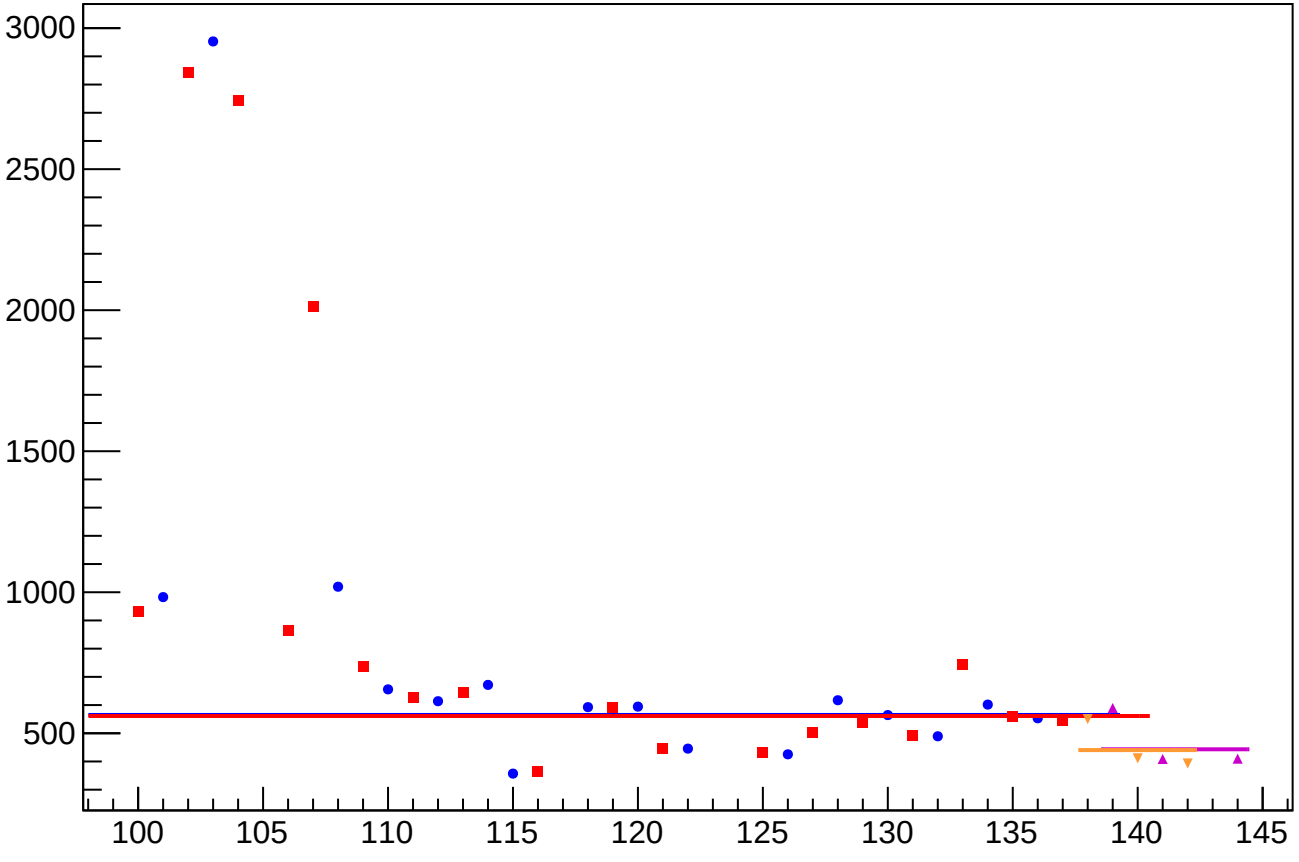
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -41.559+/-173.676 χ^2/NDF:28.2/18

Out: 343.317+/-183.235 χ^2/NDF:21.8/20

All: 140.578+/-126.052 χ^2/NDF: 52.3/39

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: 440.427+/-0.220 χ^2/NDF:82617.4/2

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 443.181+/-0.196 χ^2/NDF:128347.3/2

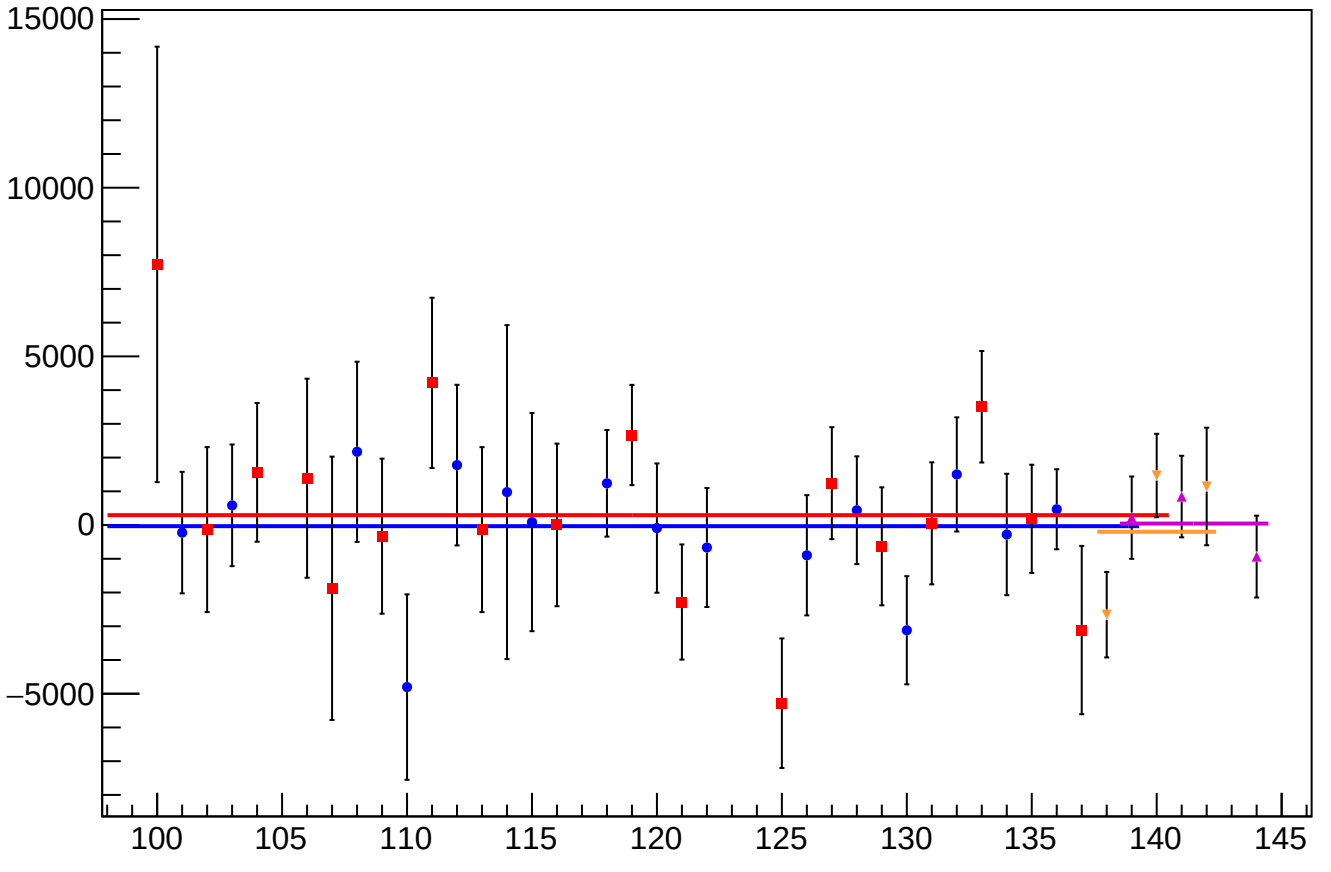
Left: 441.963+/-0.146 χ^2/NDF: 211052.0/5

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 517.150+/-0.123 χ^2/NDF:1842772.6/18

Out: 519.445+/-0.130 χ^2/NDF:2552871.6/20

All: 518.236+/-0.089 χ^2/NDF: 4395809.6/39



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 44.085+/-701.003 χ^2/NDF:1.1/2

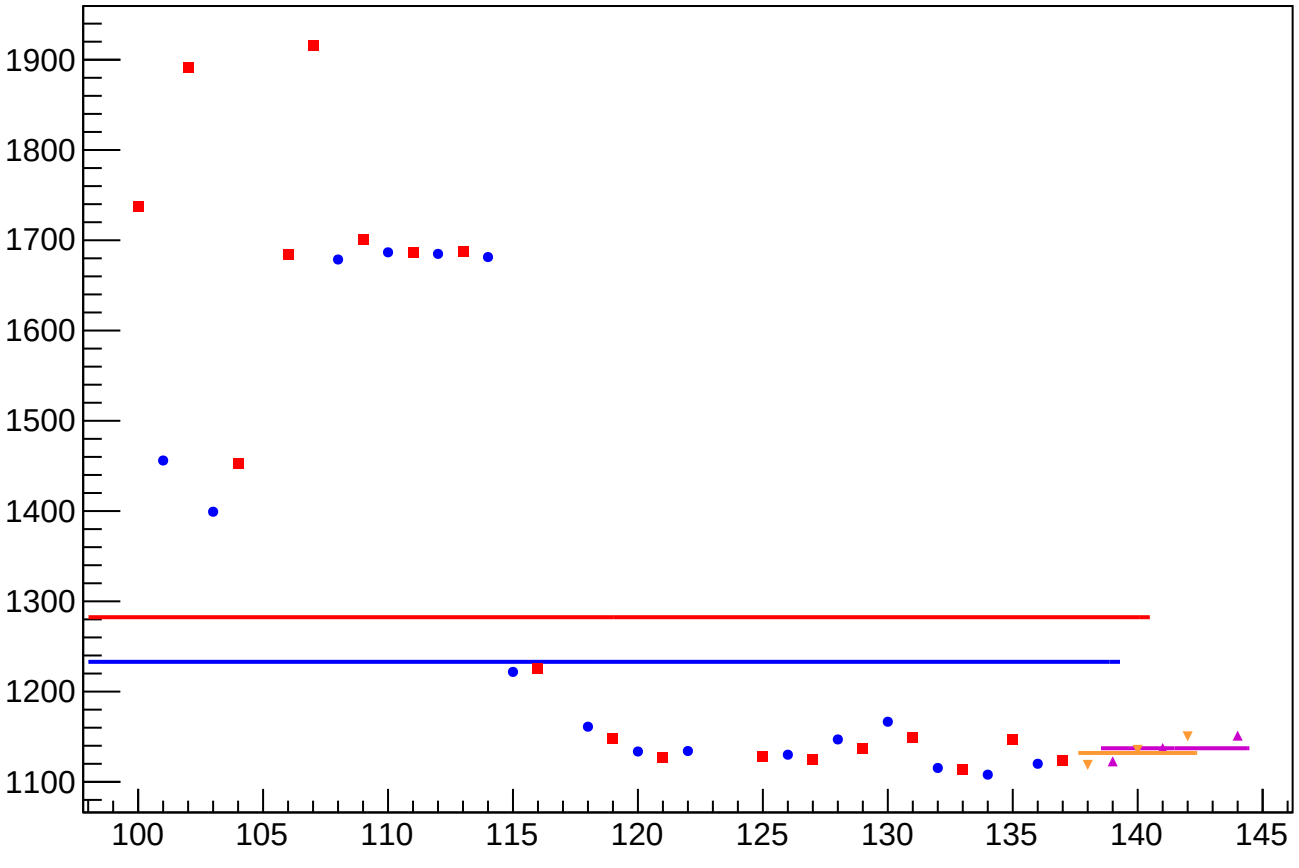
Left: -63.360+/-524.003 χ^2/NDF: 7.3/5

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -9.614+/-386.464 χ^2/NDF:11.4/18

Out: 158.673+/-412.440 χ^2/NDF:30.7/20

All: 69.064+/-282.008 χ^2/NDF: 42.2/39



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1137.228+/-0.496 χ^2/NDF:548.5/2

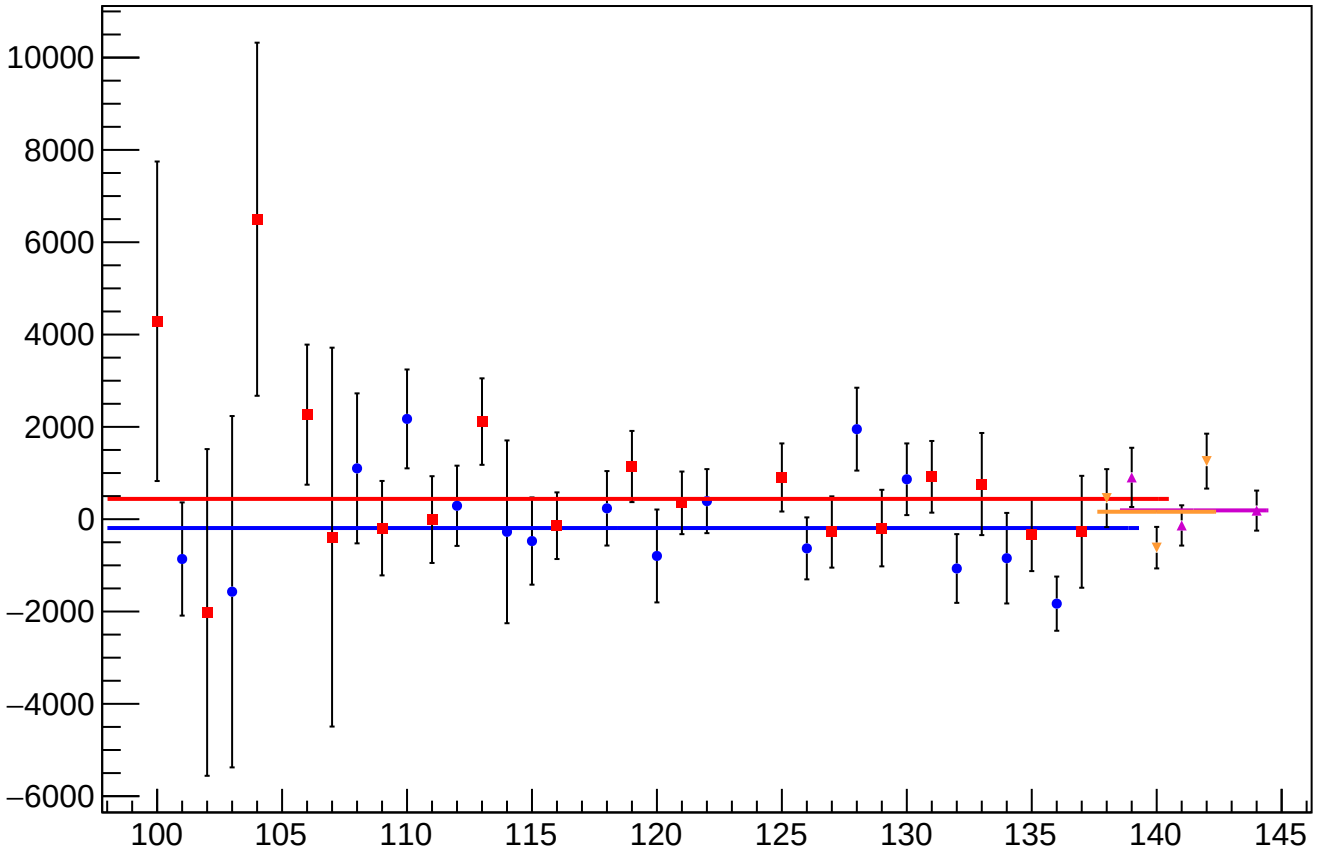
Left: 1134.923+/-0.371 χ^2/NDF: 1054.1/5

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1203.867+/-0.273 χ^2/NDF:341984.7/18

Out: 1241.293+/-0.292 χ^2/NDF:596688.5/20

All: 1221.365+/-0.199 χ^2/NDF: 947442.5/39



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 161.404+/-311.453 χ^2/NDF:6.6/2

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 190.893+/-277.339 χ^2/NDF:1.8/2

Left: 177.852+/-207.123 χ^2/NDF: 8.4/5

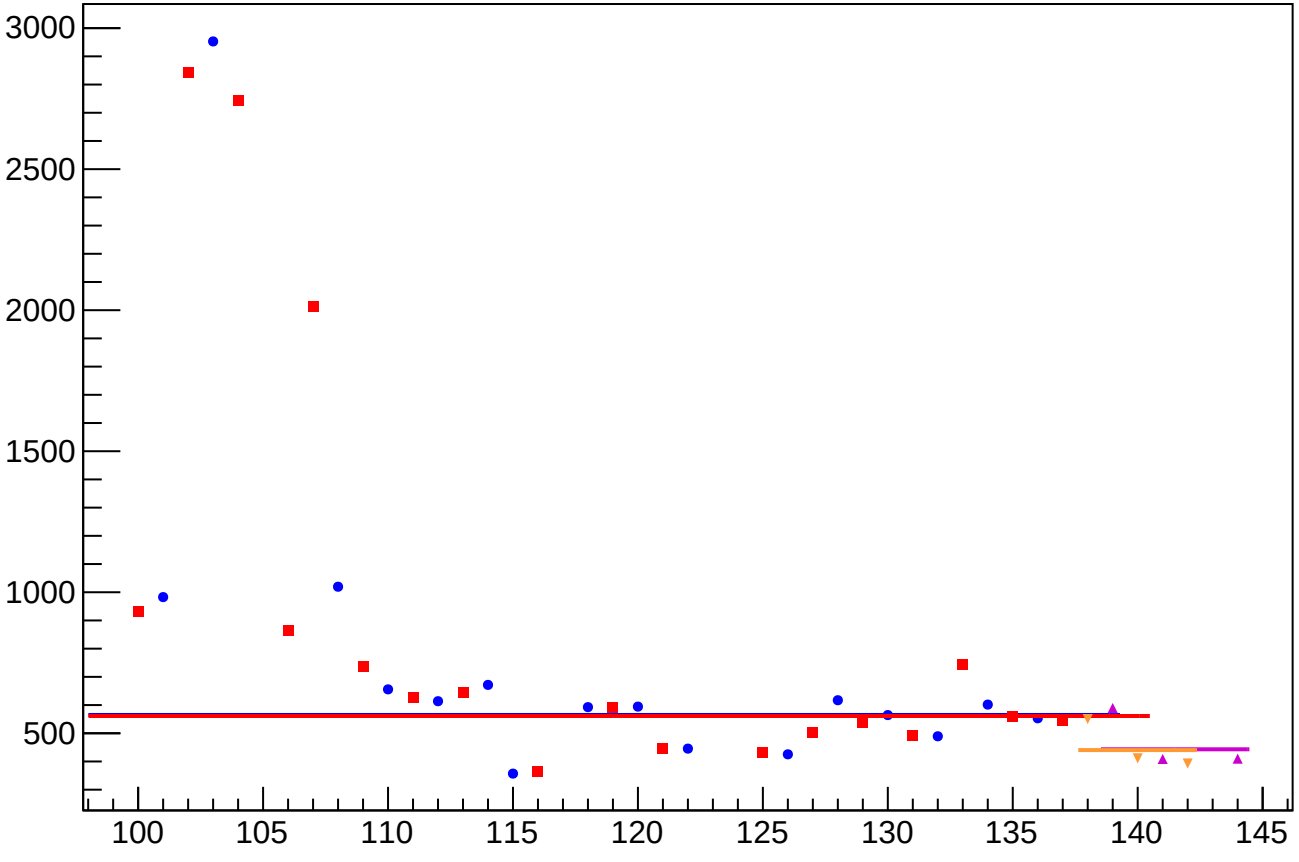
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -41.559+/-173.676 χ^2/NDF:28.2/18

Out: 343.317+/-183.235 χ^2/NDF:21.8/20

All: 140.579+/-126.051 χ^2/NDF: 52.3/39

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: 440.425+/-0.220 χ^2/NDF:82621.5/2

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 443.180+/-0.196 χ^2/NDF:128352.1/2

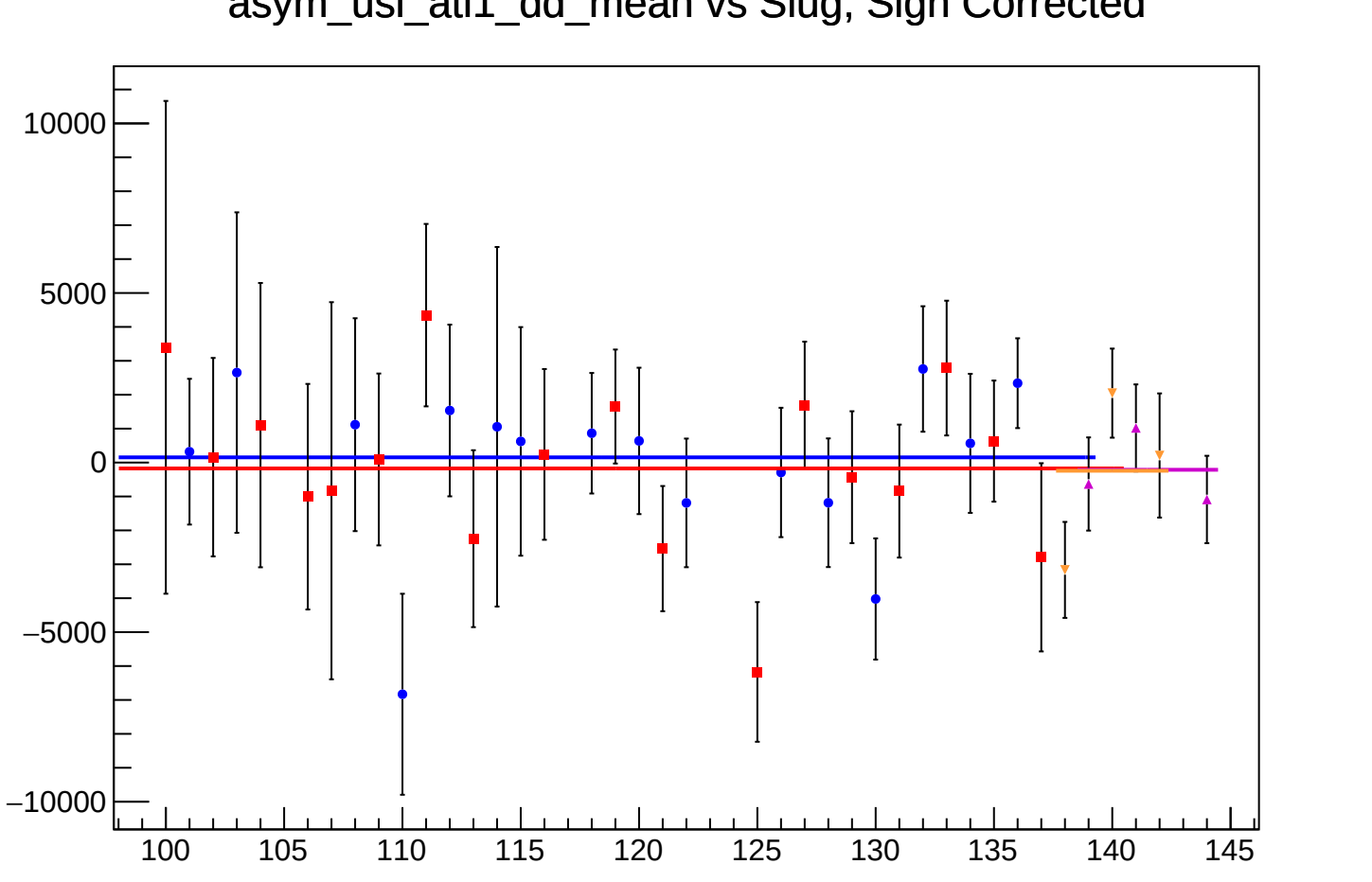
Left: 441.961+/-0.146 χ^2/NDF: 211060.8/5

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 517.149+/-0.123 χ^2/NDF:1842779.8/18

Out: 519.445+/-0.130 χ^2/NDF:2552880.8/20

All: 518.235+/-0.089 χ^2/NDF: 4395826.0/39



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -241.357+/-852.066 χ^2/NDF:7.4/2

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -212.957+/-758.211 χ^2/NDF:1.5/2

Left: -225.508+/-566.423 χ^2/NDF: 8.8/5

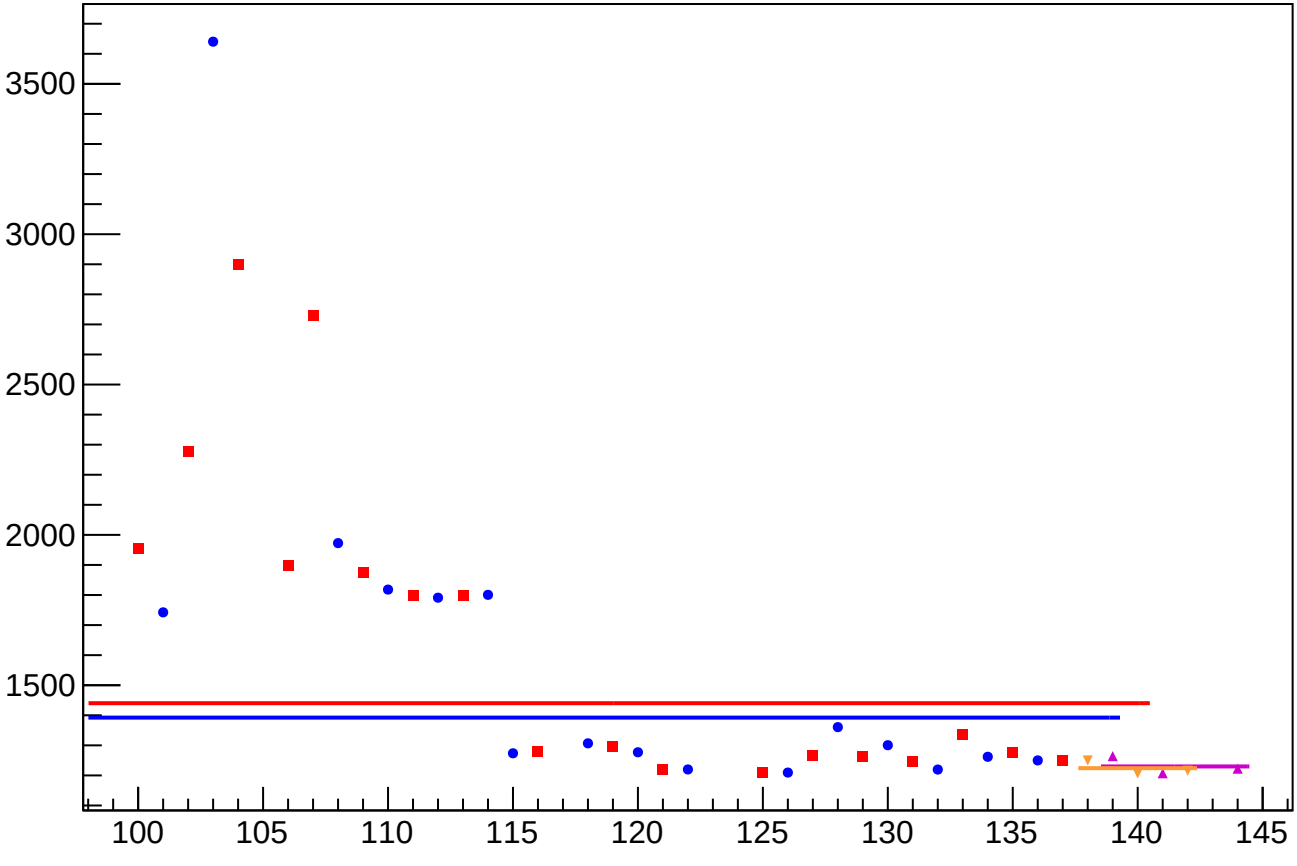
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 32.492+/-435.546 χ^2/NDF:19.4/18

Out: -194.044+/-462.185 χ^2/NDF:27.0/20

All: -74.059+/-316.977 χ^2/NDF: 46.6/39

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1224.114+/-0.603 χ^2/NDF:1063.8/2

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1229.836+/-0.536 χ^2/NDF:1940.8/2

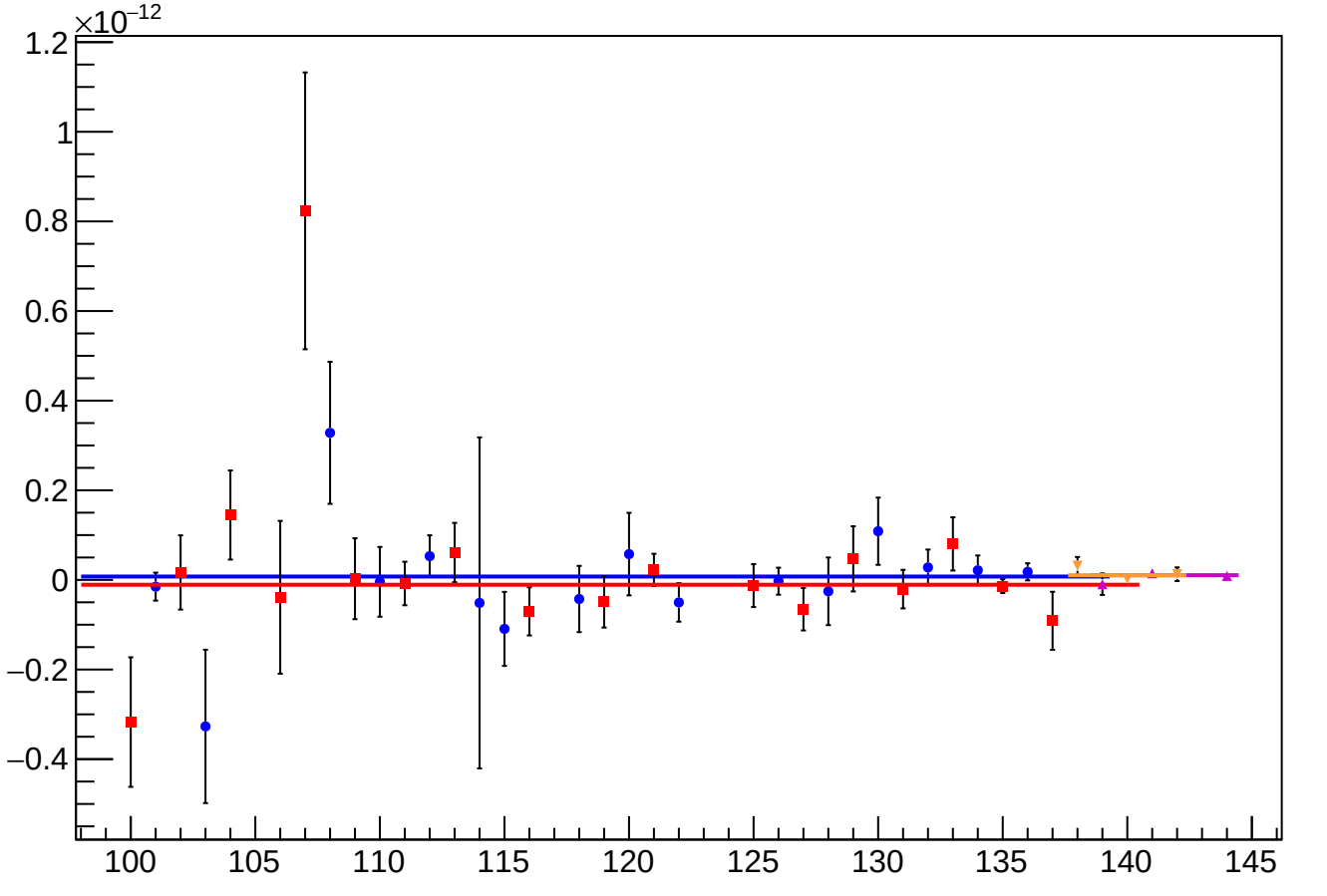
Left: 1227.307+/-0.401 χ^2/NDF: 3054.9/5

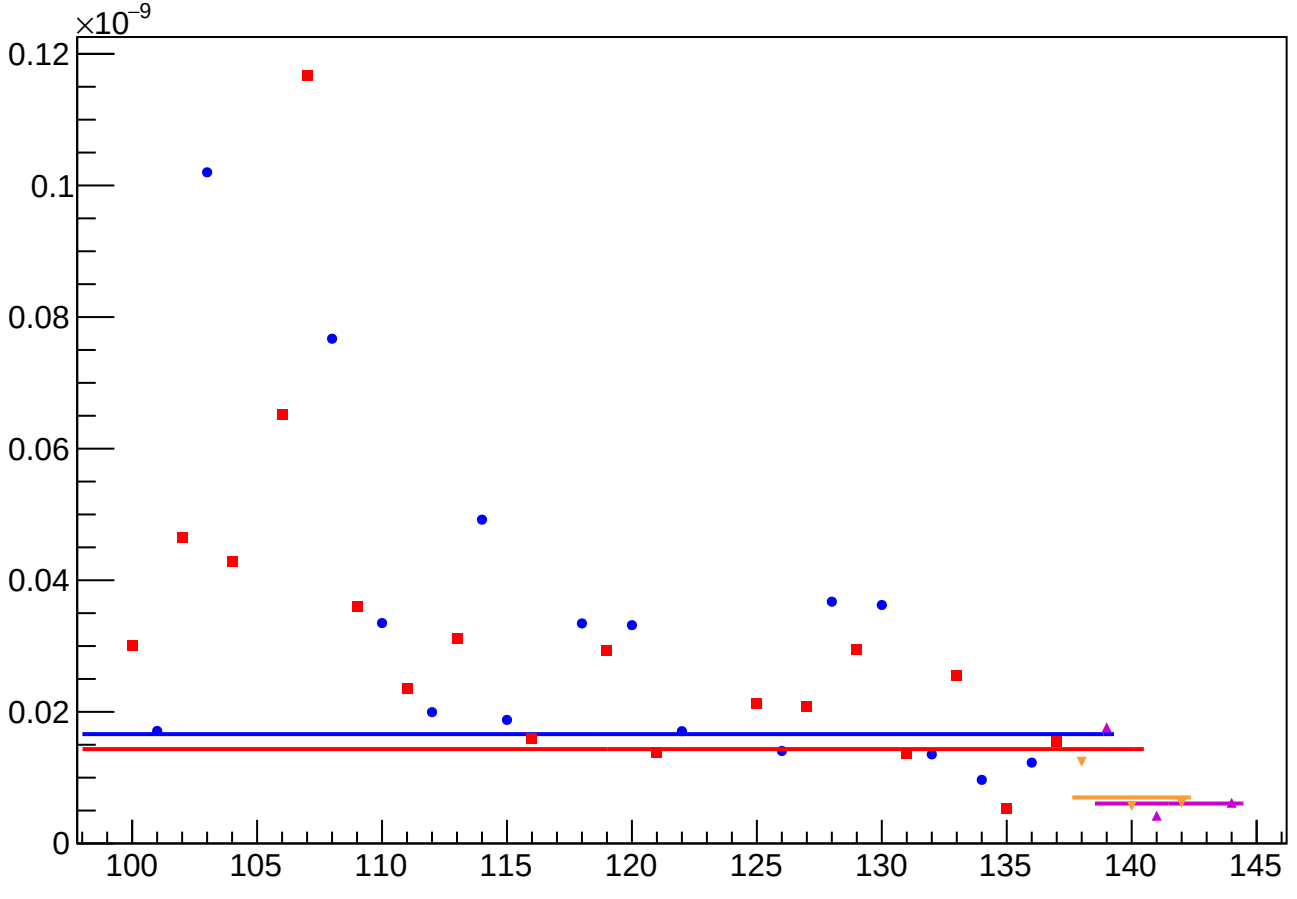
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1338.689+/-0.308 χ^2/NDF:842706.0/18

Out: 1376.637+/-0.327 χ^2/NDF:946750.3/20

All: 1356.538+/-0.224 χ^2/NDF: 1796597.3/39


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1.8/2
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:0.9/2
Left: 0.000+/-0.000 χ²/NDF: 2.7/5
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:17.9/18
Out: 0.000+/-0.000 χ²/NDF:28.3/20
All: 0.000+/-0.000 χ²/NDF: 46.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:188322.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:543412.8/2

Left: 0.000+/-0.000 χ^2/NDF: 747161.9/5

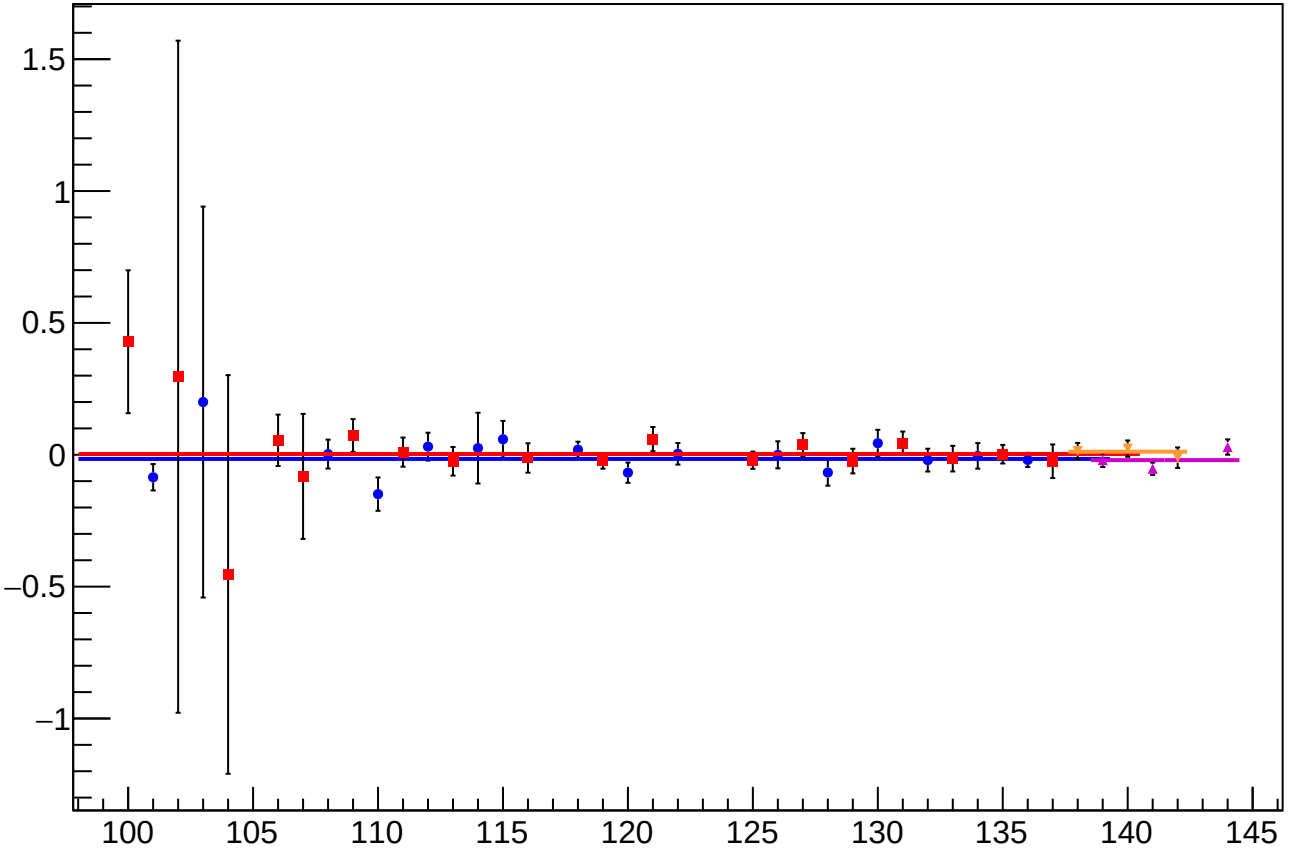
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3473001.6/18

Out: 0.000+/-0.000 χ^2/NDF:3049789.5/20

All: 0.000+/-0.000 χ^2/NDF: 6535968.6/39

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:4.8/2

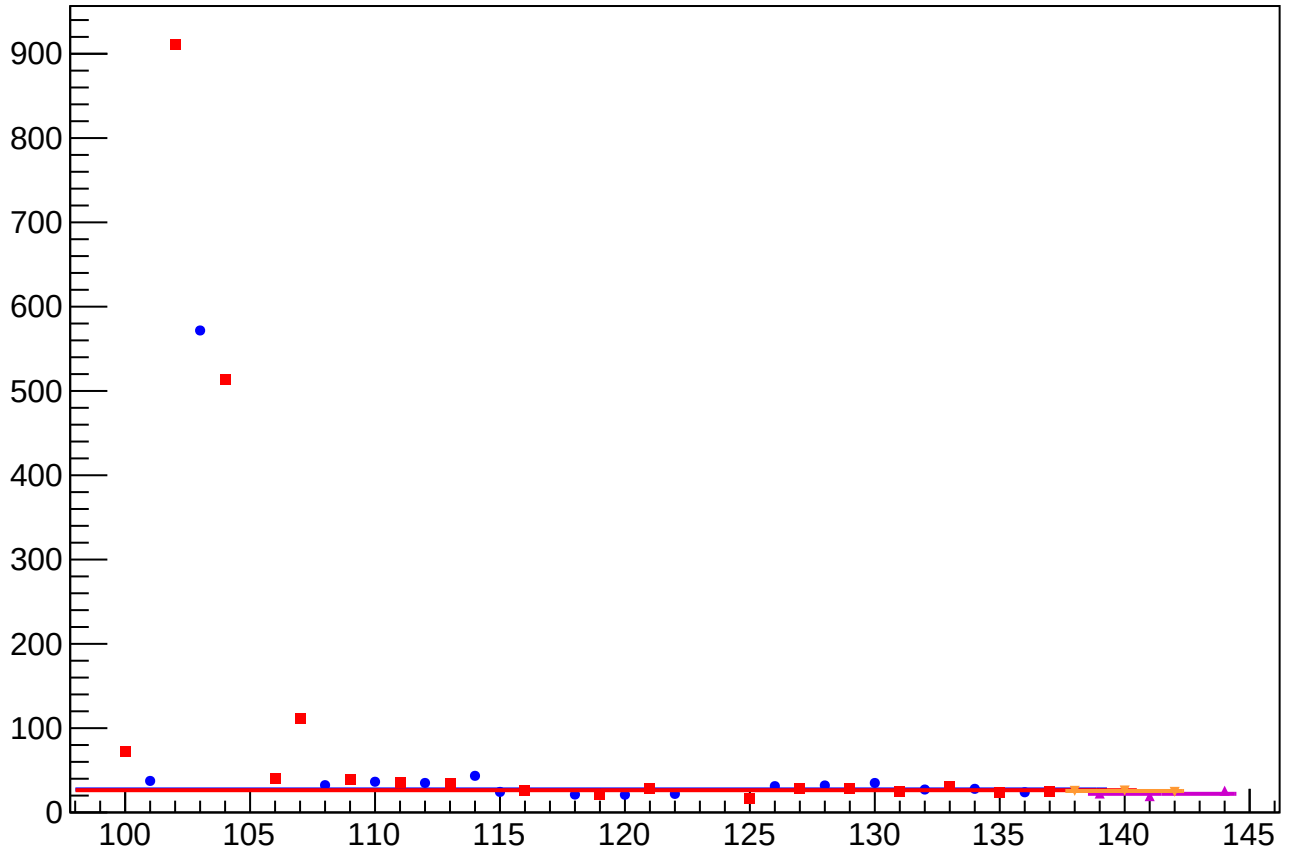
Left: -0.008+/-0.012 χ^2/NDF: 7.1/5

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/18

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.007+/-0.007 χ^2/NDF: 32.8/39



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.465+/-0.013 χ^2/NDF:2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.107+/-0.011 χ^2/NDF:60103.7/2

Left: 23.398+/-0.008 χ^2/NDF: 100865.5/5

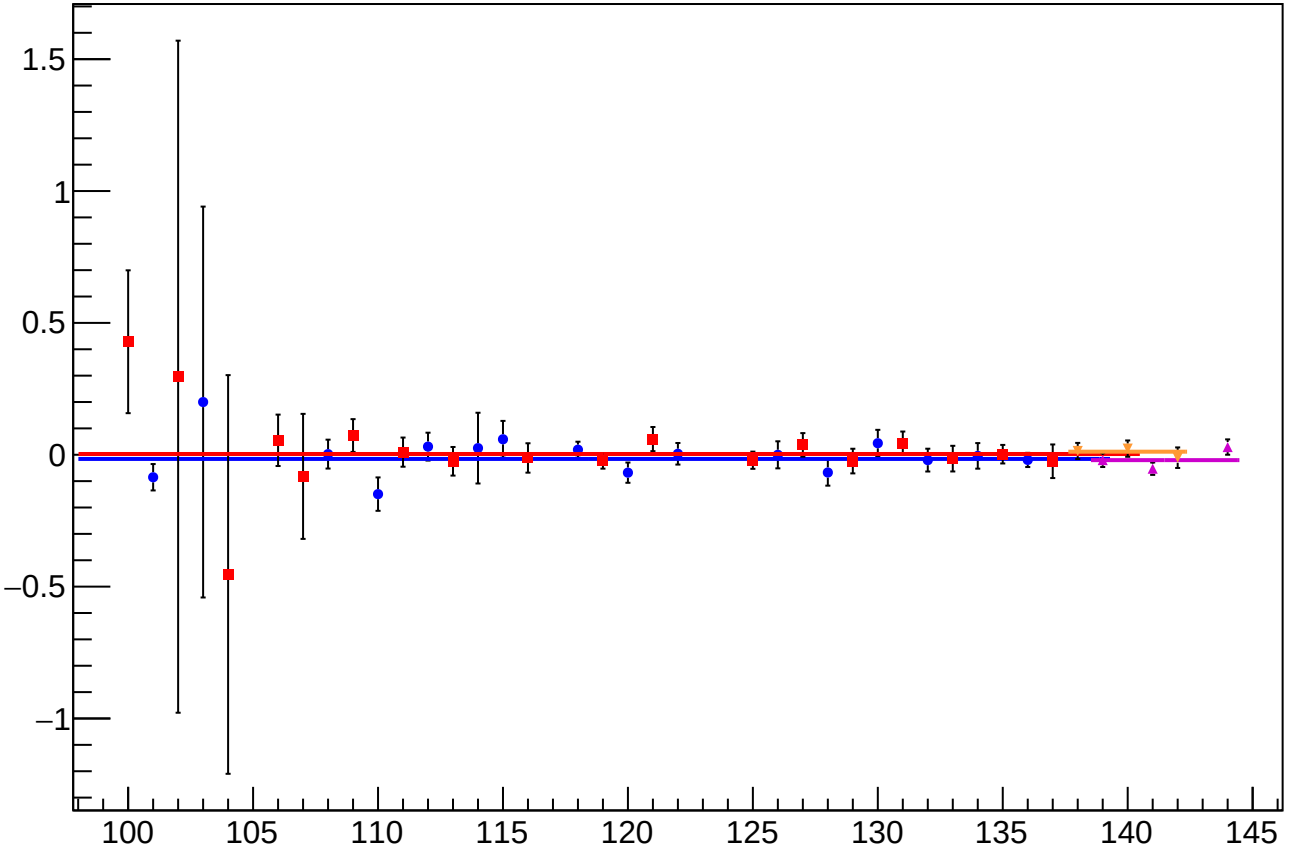
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.369+/-0.006 χ^2/NDF:1779069.1/18

Out: 26.133+/-0.007 χ^2/NDF:2620398.1/20

All: 25.711+/-0.005 χ^2/NDF: 4405700.5/39

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:4.8/2

Left: -0.008+/-0.012 χ^2/NDF: 7.1/5

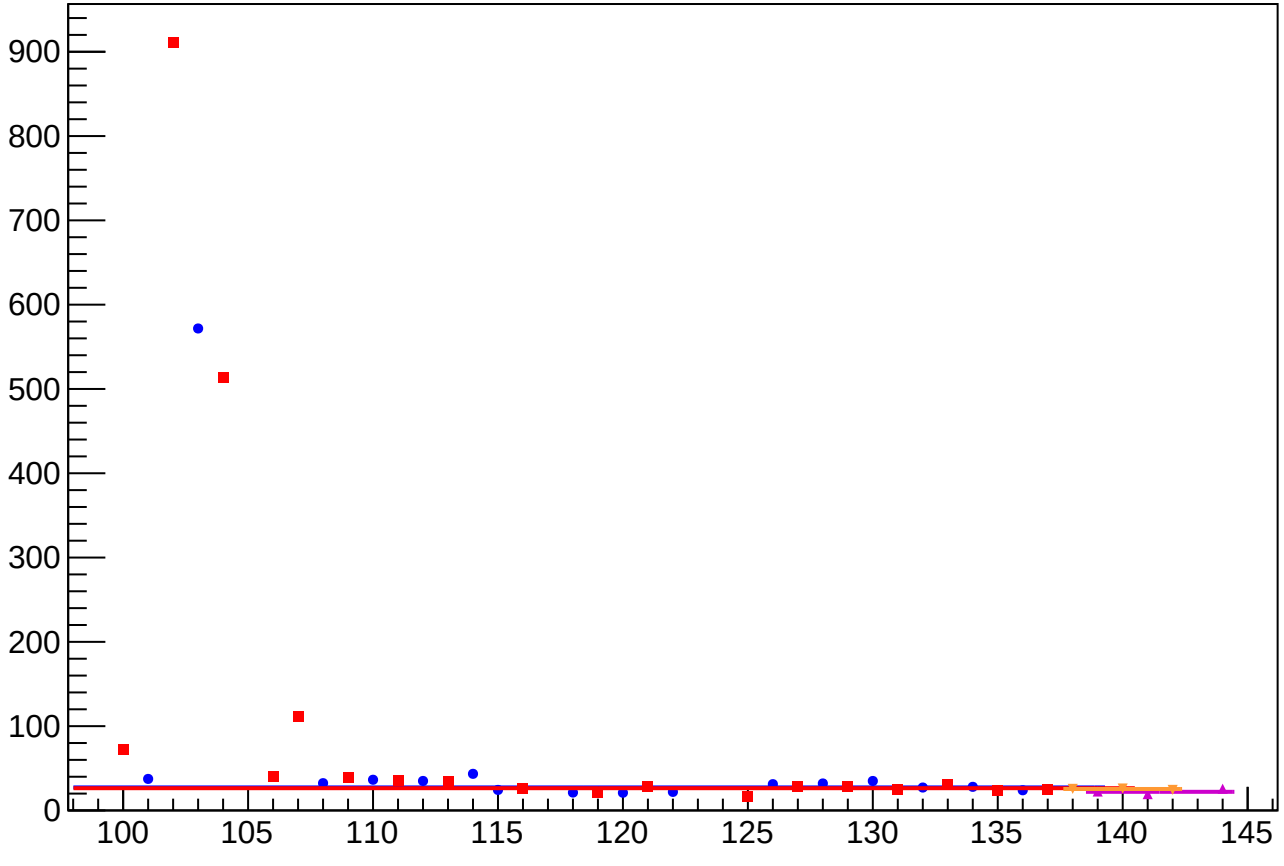
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/18

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.007+/-0.007 χ^2/NDF: 32.8/39

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: 25.465+/-0.013 χ^2/NDF:2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.107+/-0.011 χ^2/NDF:60103.7/2

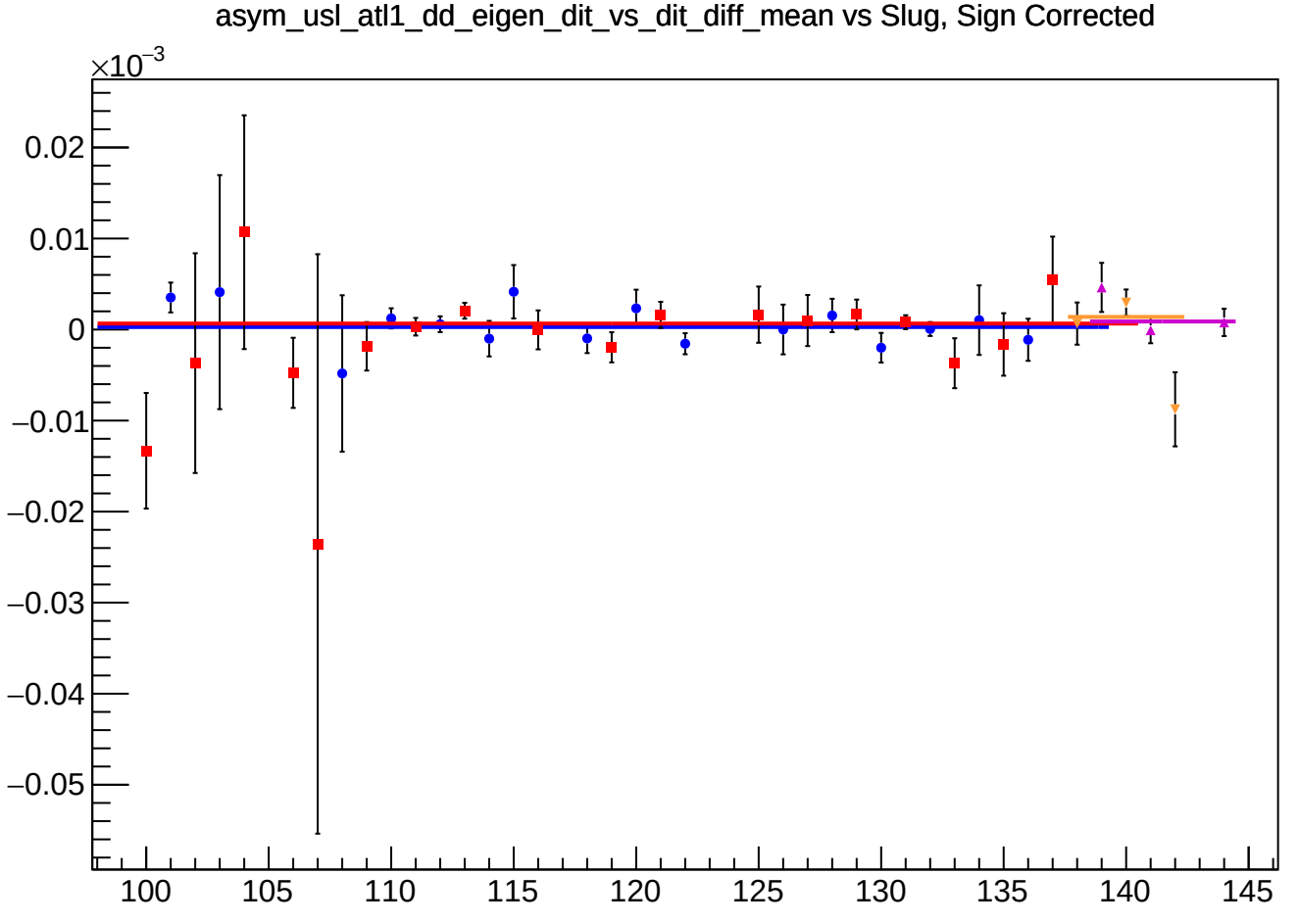
Left: 23.398+/-0.008 χ^2/NDF: 100865.5/5

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.369+/-0.006 χ^2/NDF:1779069.1/18

Out: 26.133+/-0.007 χ^2/NDF:2620398.1/20

All: 25.711+/-0.005 χ^2/NDF: 4405700.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

Left: 0.000+/-0.000 χ^2/NDF: 10.0/5

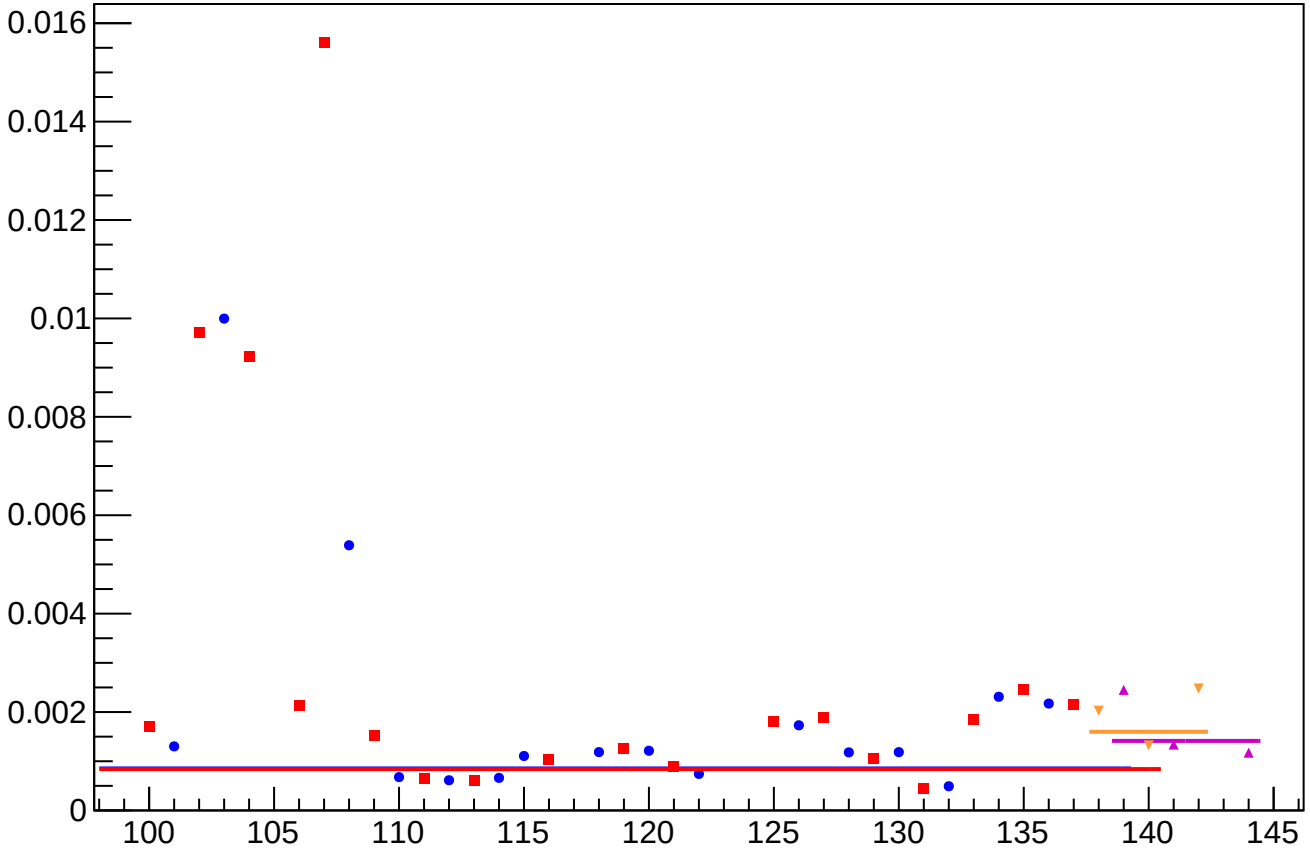
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.1/18

Out: 0.000+/-0.000 χ^2/NDF:27.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.8/39

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:234693.4/2

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:352131.8/2

Left: 0.001+/-0.000 χ^2/NDF: 616716.5/5

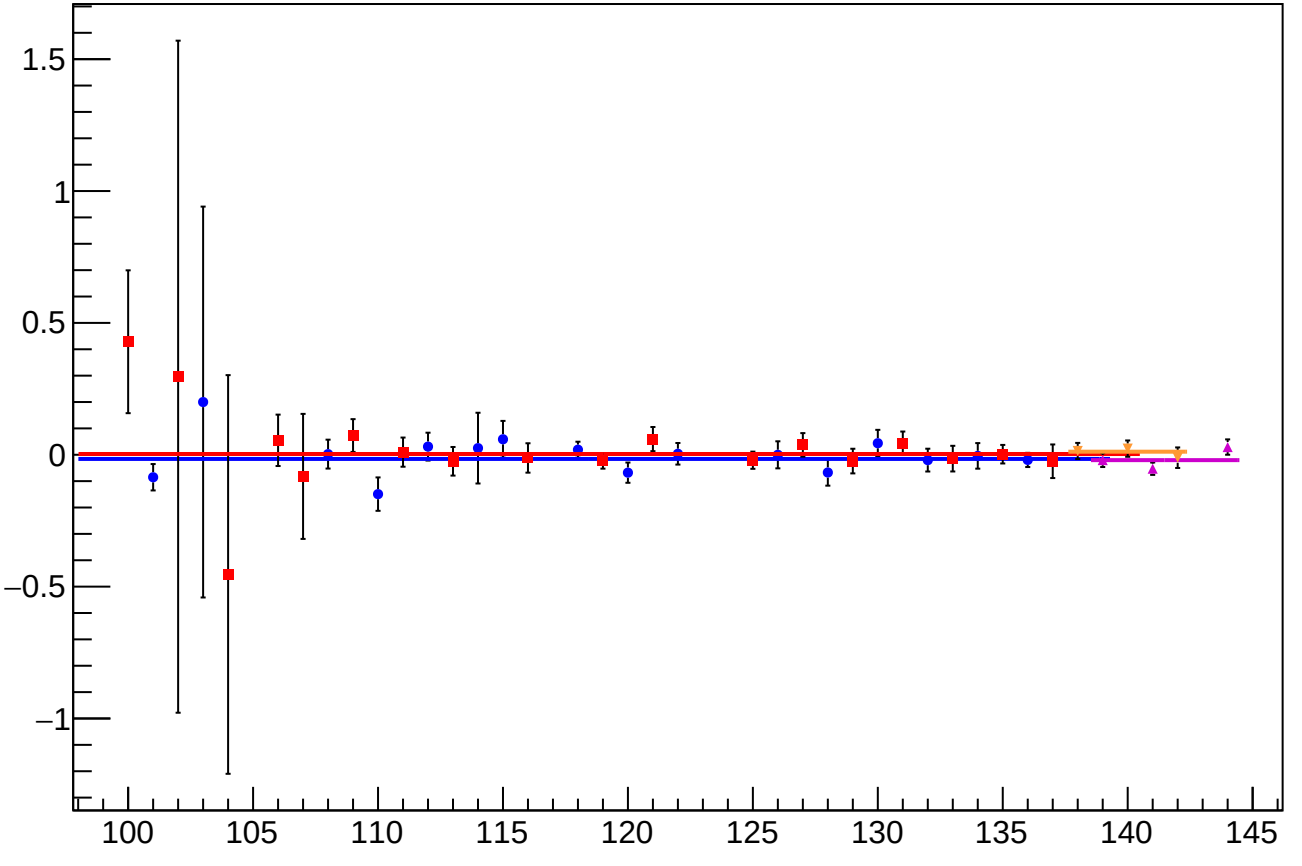
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:4800581.5/18

Out: 0.001+/-0.000 χ^2/NDF:6022470.4/20

All: 0.001+/-0.000 χ^2/NDF: 10823542.7/39

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:4.8/2

Left: -0.008+/-0.012 χ^2/NDF: 7.1/5

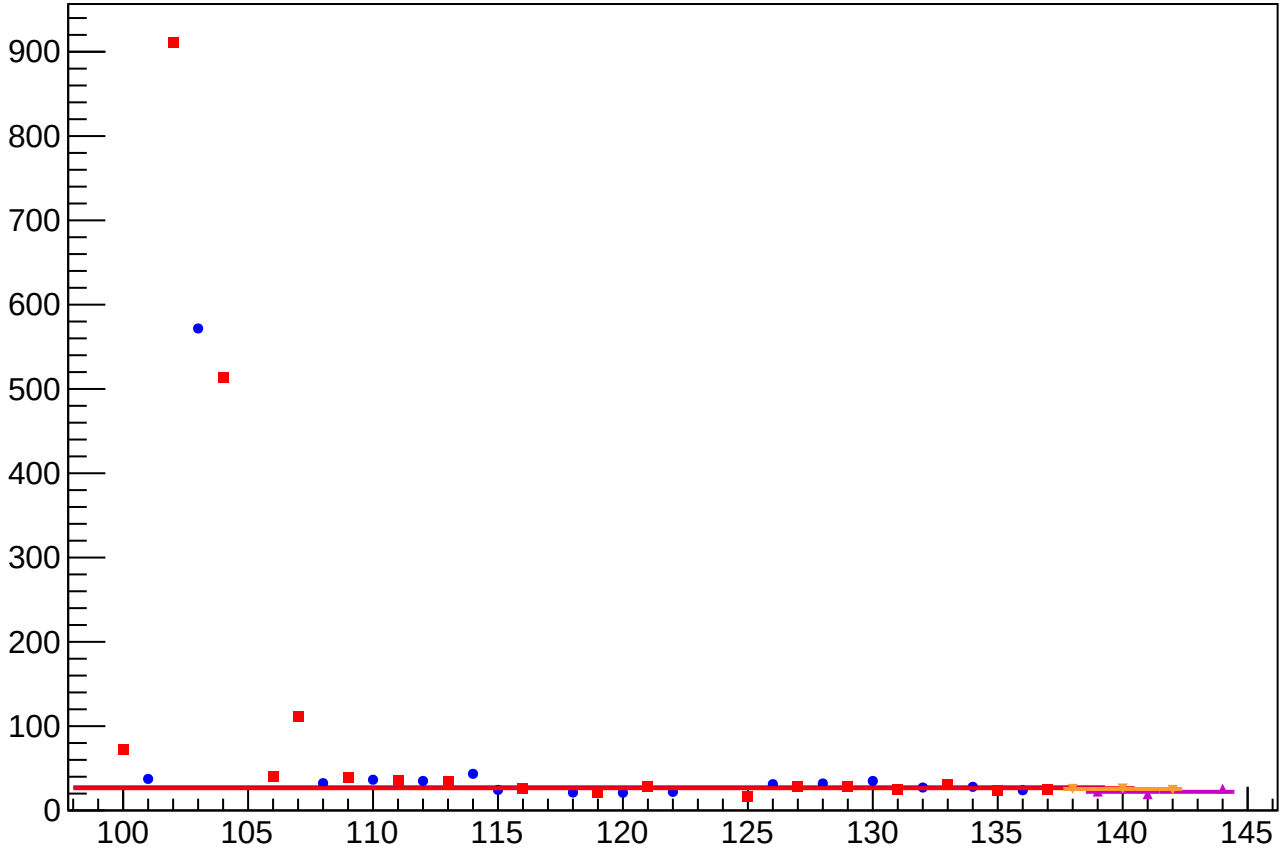
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/18

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.007+/-0.007 χ^2/NDF: 32.8/39

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: 25.465+/-0.013 χ^2/NDF:2248.0/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.106+/-0.011 χ^2/NDF:60118.6/2

Left: 23.398+/-0.008 χ^2/NDF: 100884.0/5

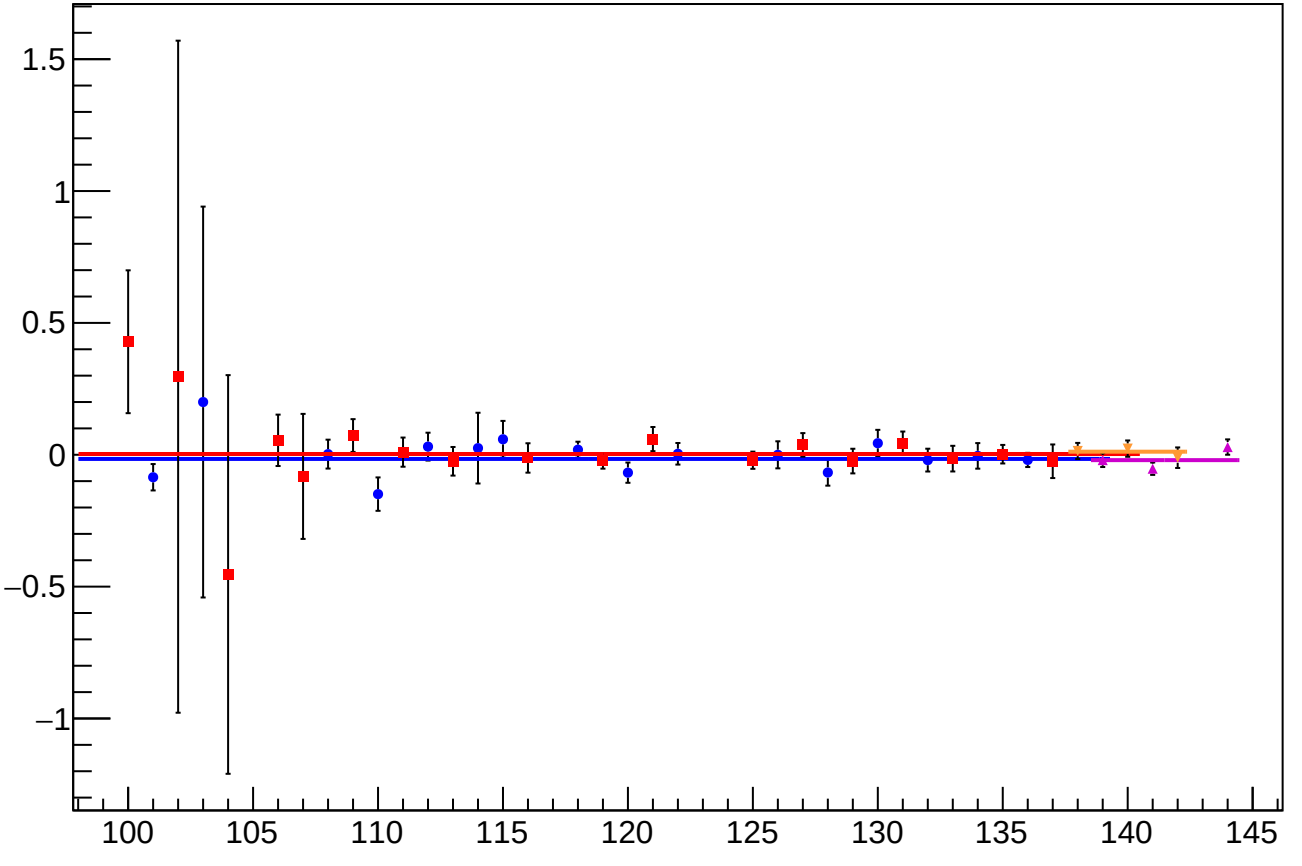
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.369+/-0.006 χ^2/NDF:1779091.7/18

Out: 26.133+/-0.007 χ^2/NDF:2620418.0/20

All: 25.711+/-0.005 χ^2/NDF: 4405744.0/39

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.020+/-0.015 χ^2/NDF:4.8/2

Left: -0.008+/-0.012 χ^2/NDF: 7.1/5

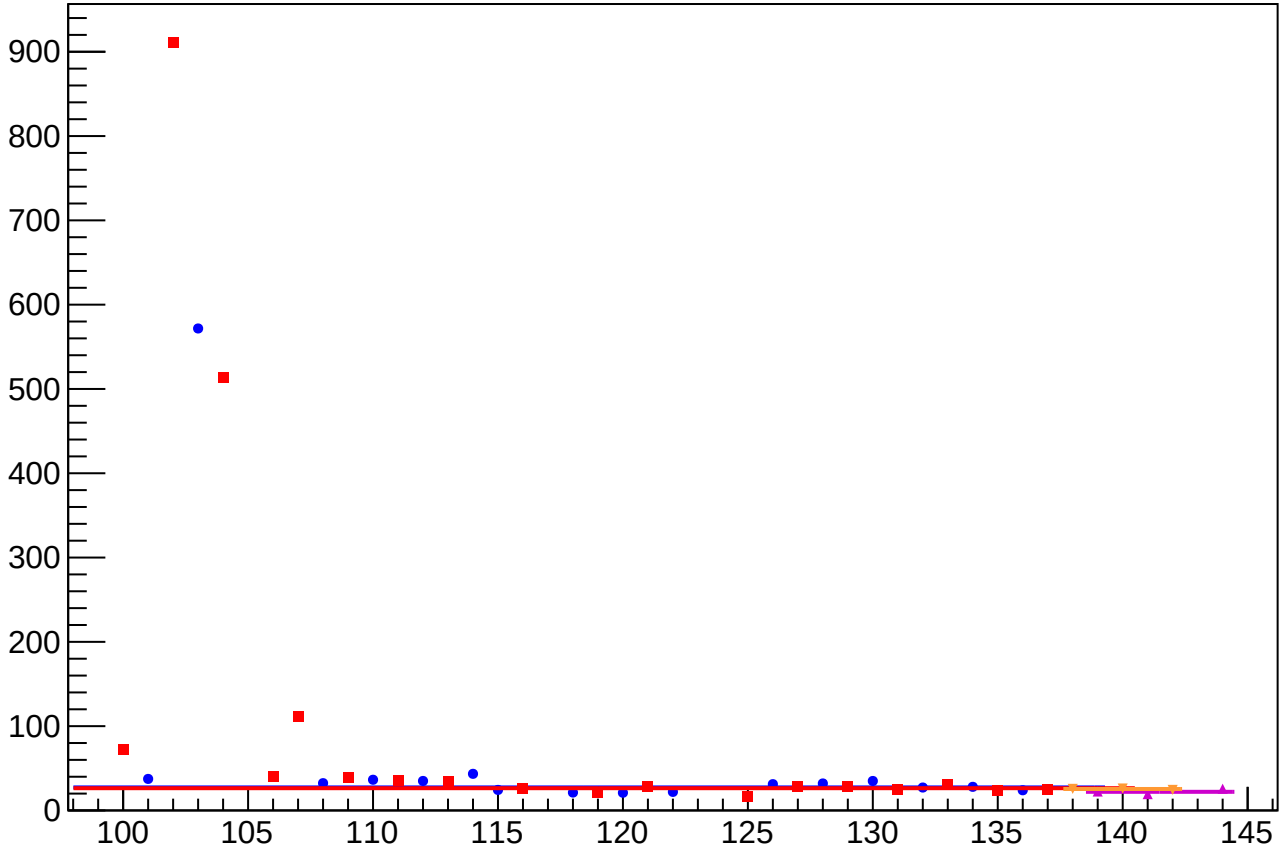
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/18

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.007+/-0.007 χ^2/NDF: 32.8/39

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: 25.465+/-0.013 χ^2/NDF:2248.0/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.106+/-0.011 χ^2/NDF:60118.6/2

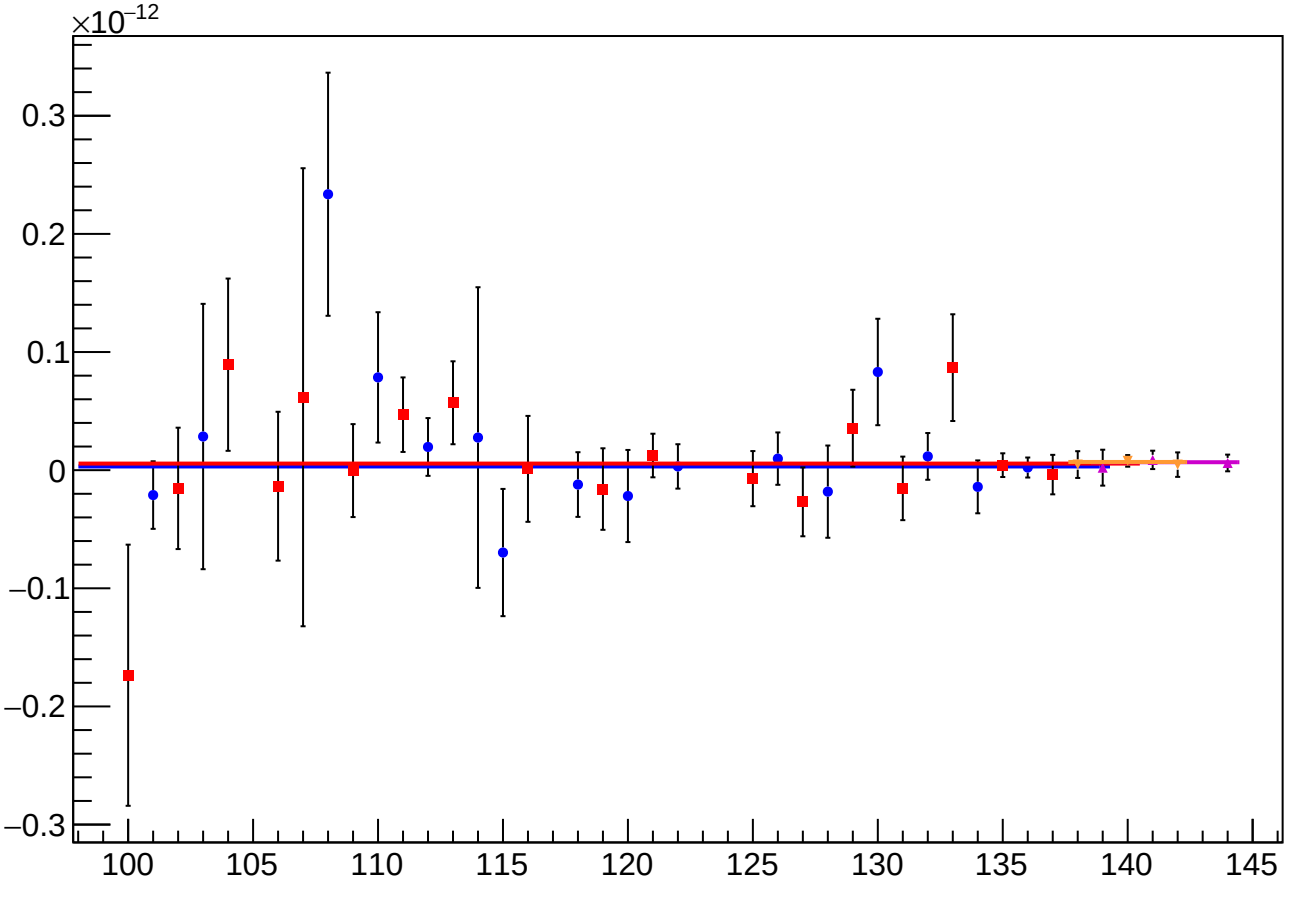
Left: 23.398+/-0.008 χ^2/NDF: 100884.0/5

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.369+/-0.006 χ^2/NDF:1779091.7/18

Out: 26.133+/-0.007 χ^2/NDF:2620418.0/20

All: 25.711+/-0.005 χ^2/NDF: 4405744.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

Left: 0.000+/-0.000 χ^2/NDF: 0.3/5

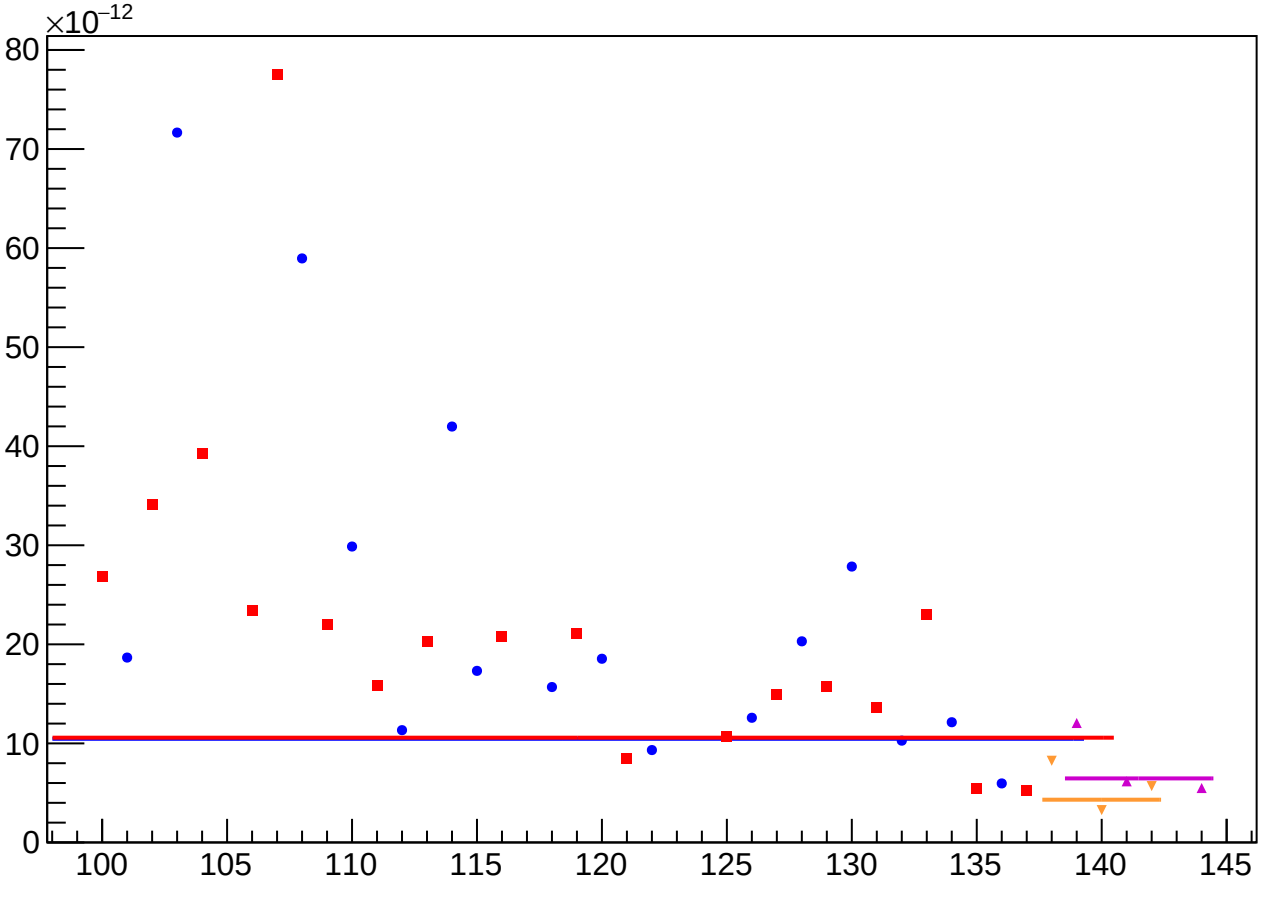
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.4/18

Out: 0.000+/-0.000 χ^2/NDF:15.4/20

All: 0.000+/-0.000 χ^2/NDF: 30.9/39

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:367497.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:311547.6/2

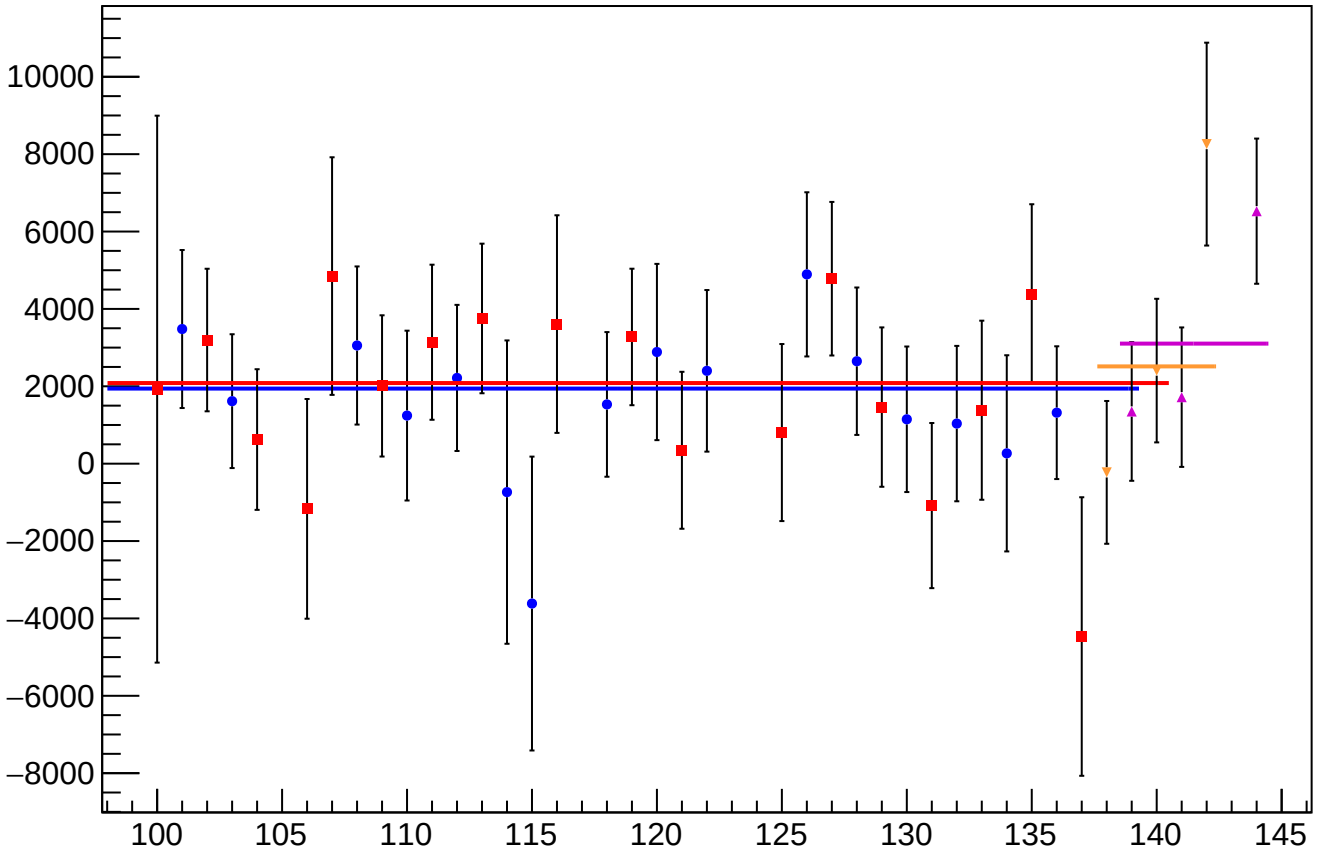
Left: 0.000+/-0.000 χ^2/NDF: 901121.5/5

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3663551.6/18

Out: 0.000+/-0.000 χ^2/NDF:4586082.2/20

All: 0.000+/-0.000 χ^2/NDF: 8522131.7/39



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.189+/-1170.878 χ^2/NDF:7.0/2

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 3103.197+/-1052.190 χ^2/NDF:4.9/2

Left: 2840.050+/-782.618 χ^2/NDF: 12.0/5

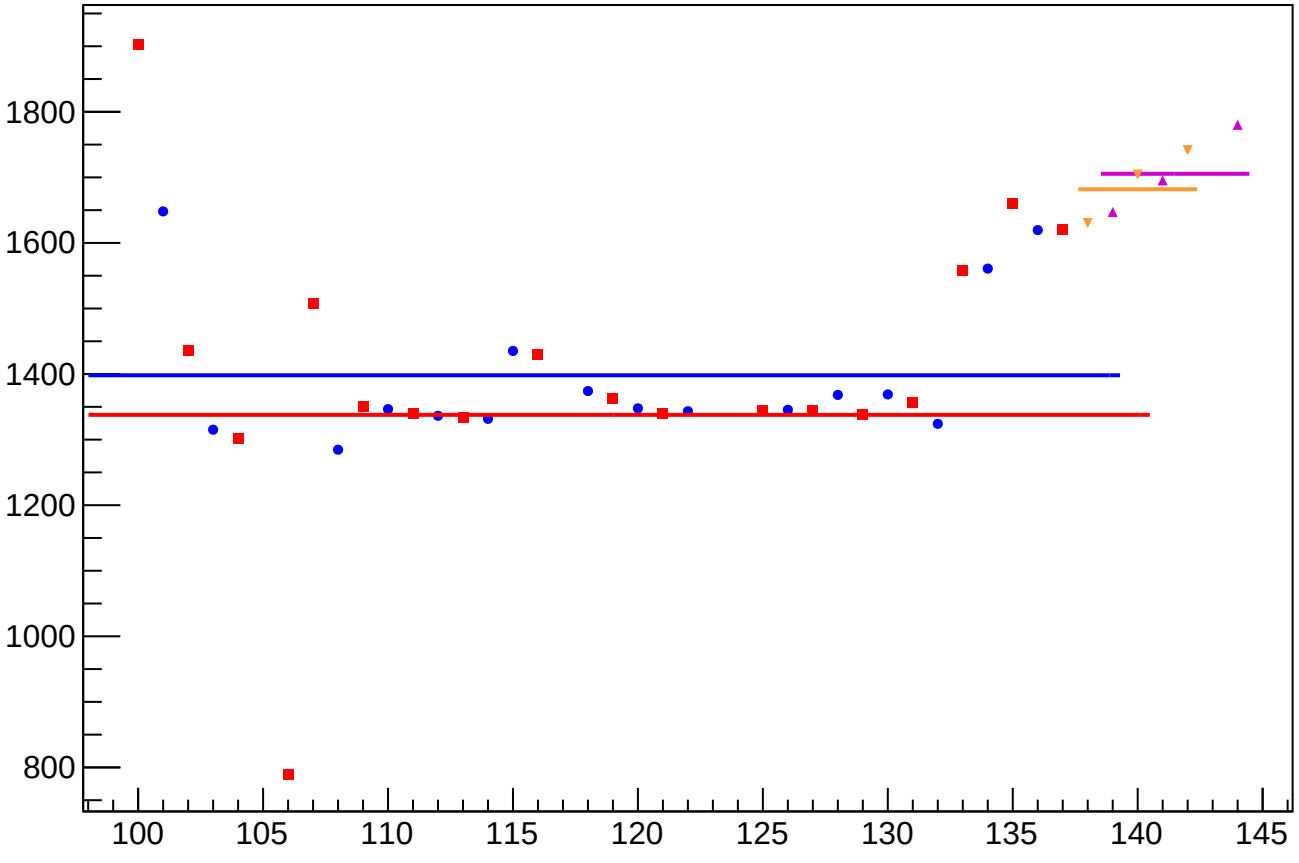
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2170.650+/-467.742 χ^2/NDF:12.8/18

Out: 2154.735+/-474.923 χ^2/NDF:21.6/20

All: 2162.814+/-333.253 χ^2/NDF: 34.4/39

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

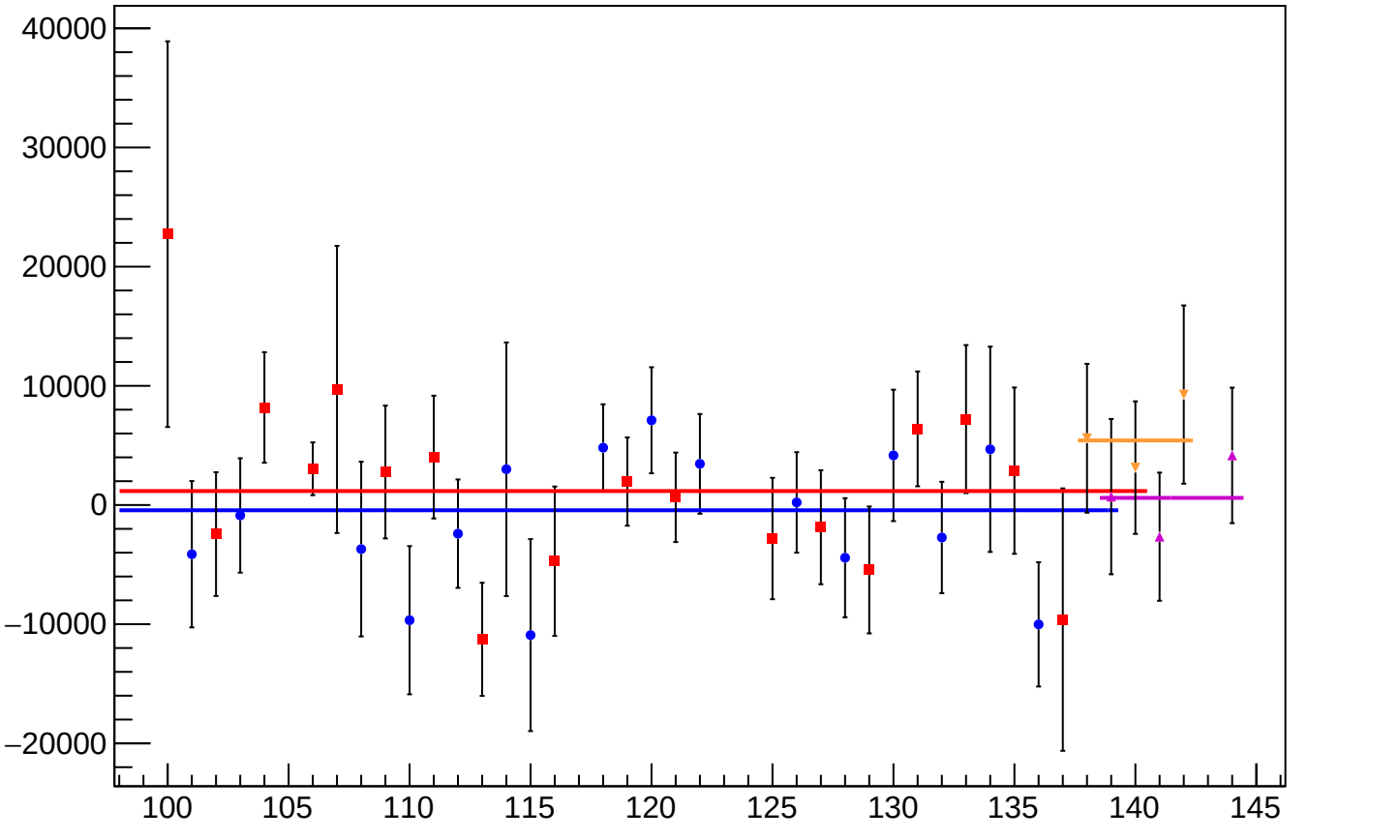
Left: 1694.957+/-0.553 χ^2/NDF: 8695.3/5

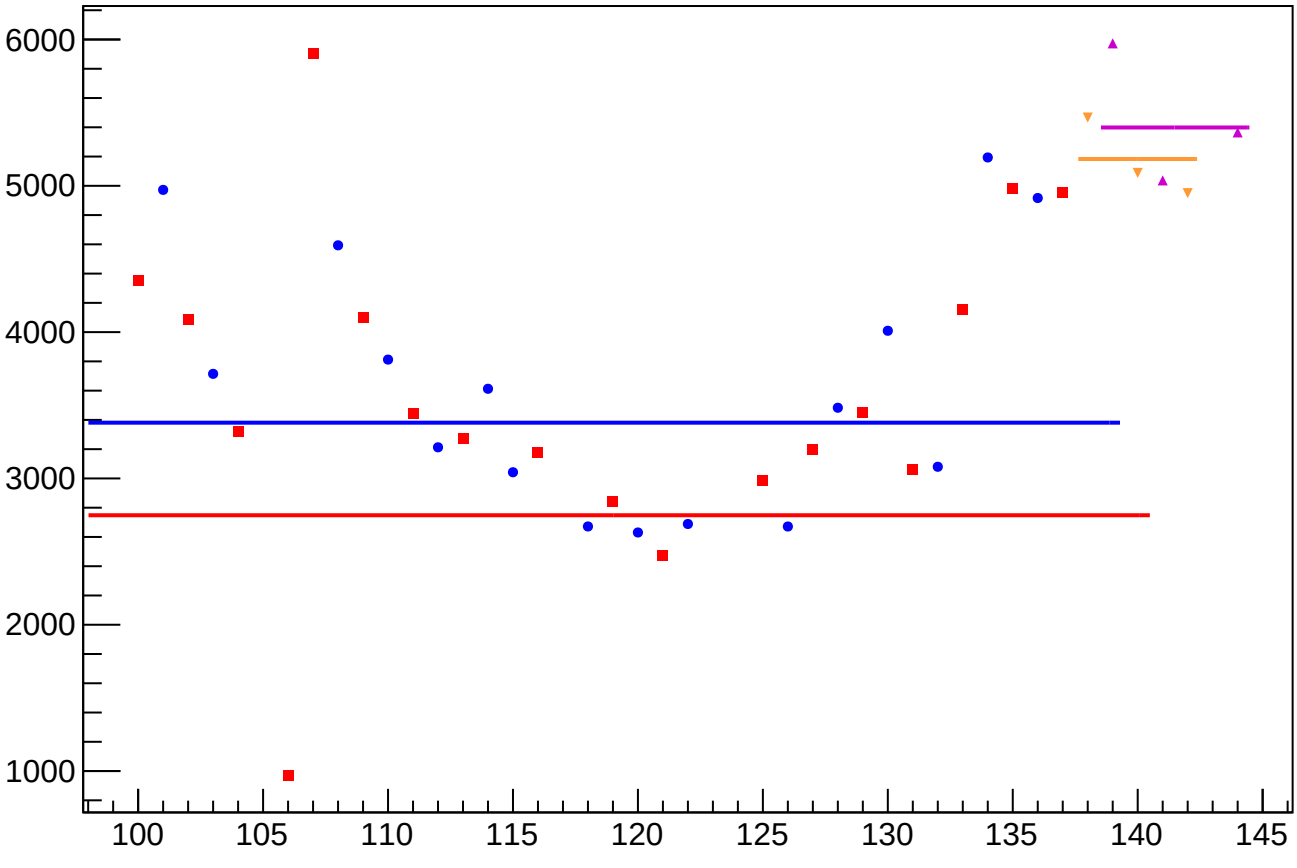
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1458.898+/-0.331 χ^2/NDF:236207.3/18

Out: 1391.484+/-0.327 χ^2/NDF:466418.8/20

All: 1424.805+/-0.233 χ^2/NDF: 723636.4/39


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: 5416.397+/-3630.615 χ²/NDF:0.4/2
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 598.651+/-3350.295 χ²/NDF:0.8/2
Left: 2814.377+/-2462.160 χ²/NDF: 2.1/5
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: -305.812+/-1208.648 χ²/NDF:16.7/18
Out: 1540.339+/-1070.137 χ²/NDF:21.3/20
All: 729.065+/-801.217 χ²/NDF: 39.4/39



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5183.317+/-2.567 χ^2/NDF:6647.5/2

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5398.682+/-2.369 χ^2/NDF:24695.9/2

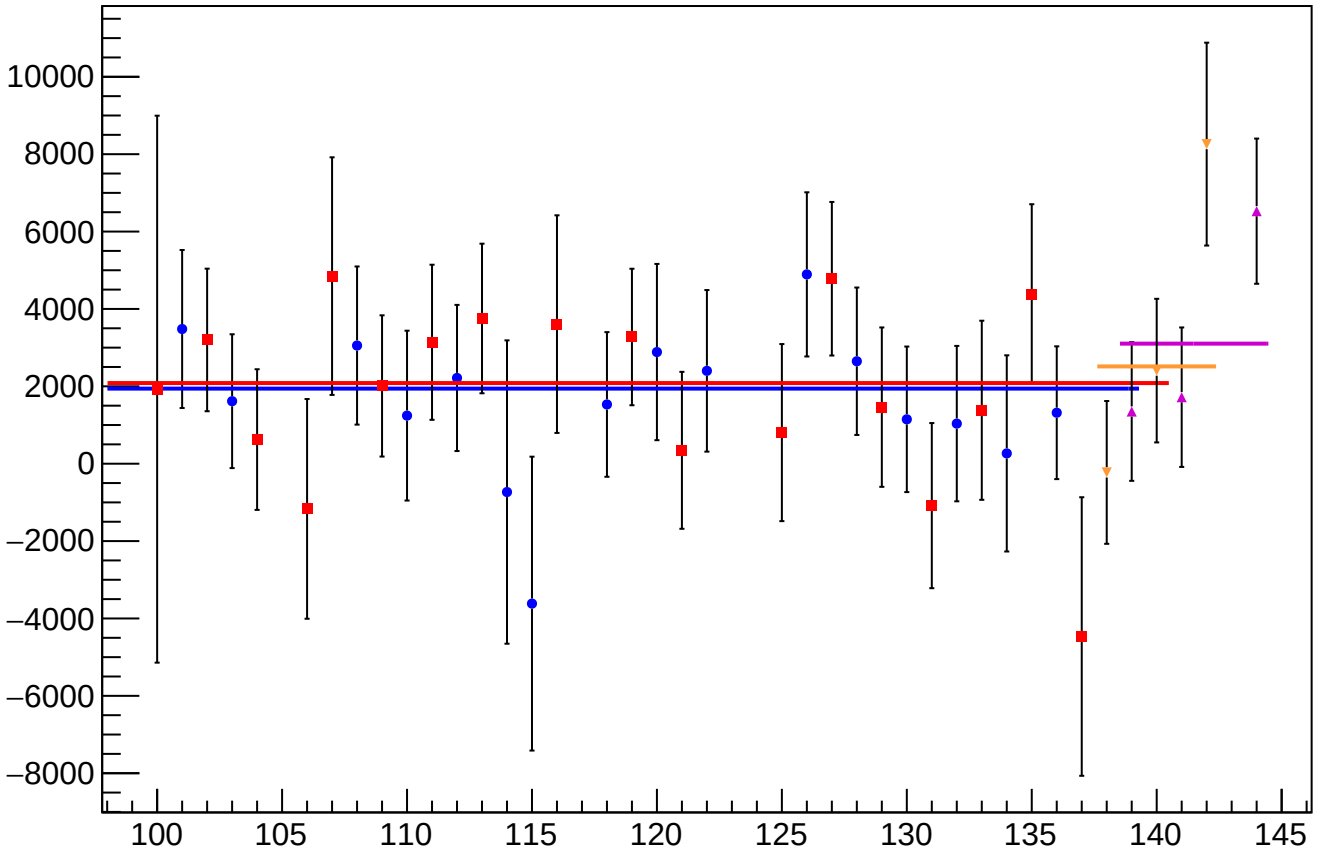
Left: 5299.634+/-1.741 χ^2/NDF: 35144.3/5

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3643.697+/-0.855 χ^2/NDF:1412749.2/18

Out: 2959.919+/-0.757 χ^2/NDF:3092651.8/20

All: 3260.399+/-0.567 χ^2/NDF: 4864225.2/39



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 3103.268+/-1052.190 χ^2/NDF:4.9/2

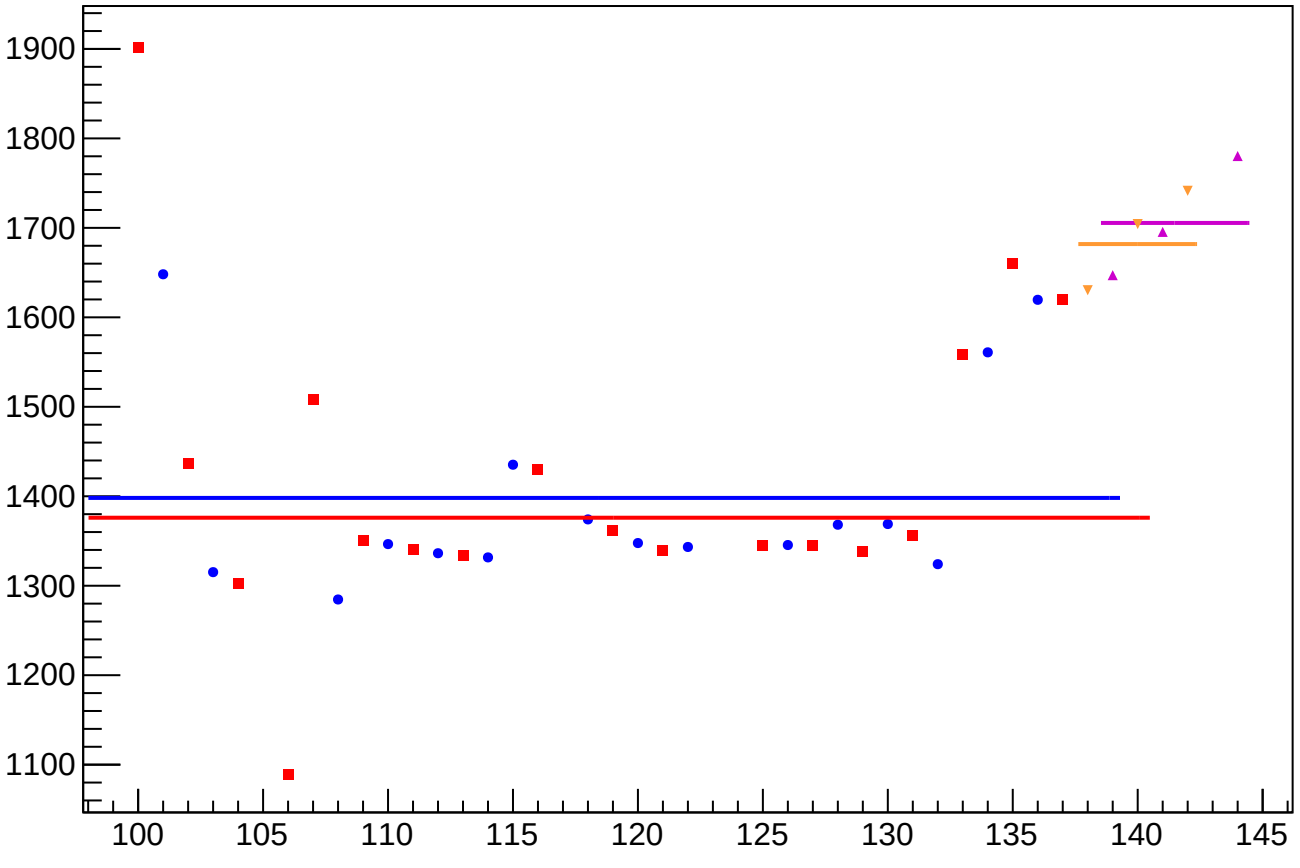
Left: 2840.198+/-782.618 χ^2/NDF: 12.0/5

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2170.709+/-467.742 χ^2/NDF:12.8/18

Out: 2154.955+/-474.925 χ^2/NDF:21.6/20

All: 2162.952+/-333.254 χ^2/NDF: 34.4/39



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

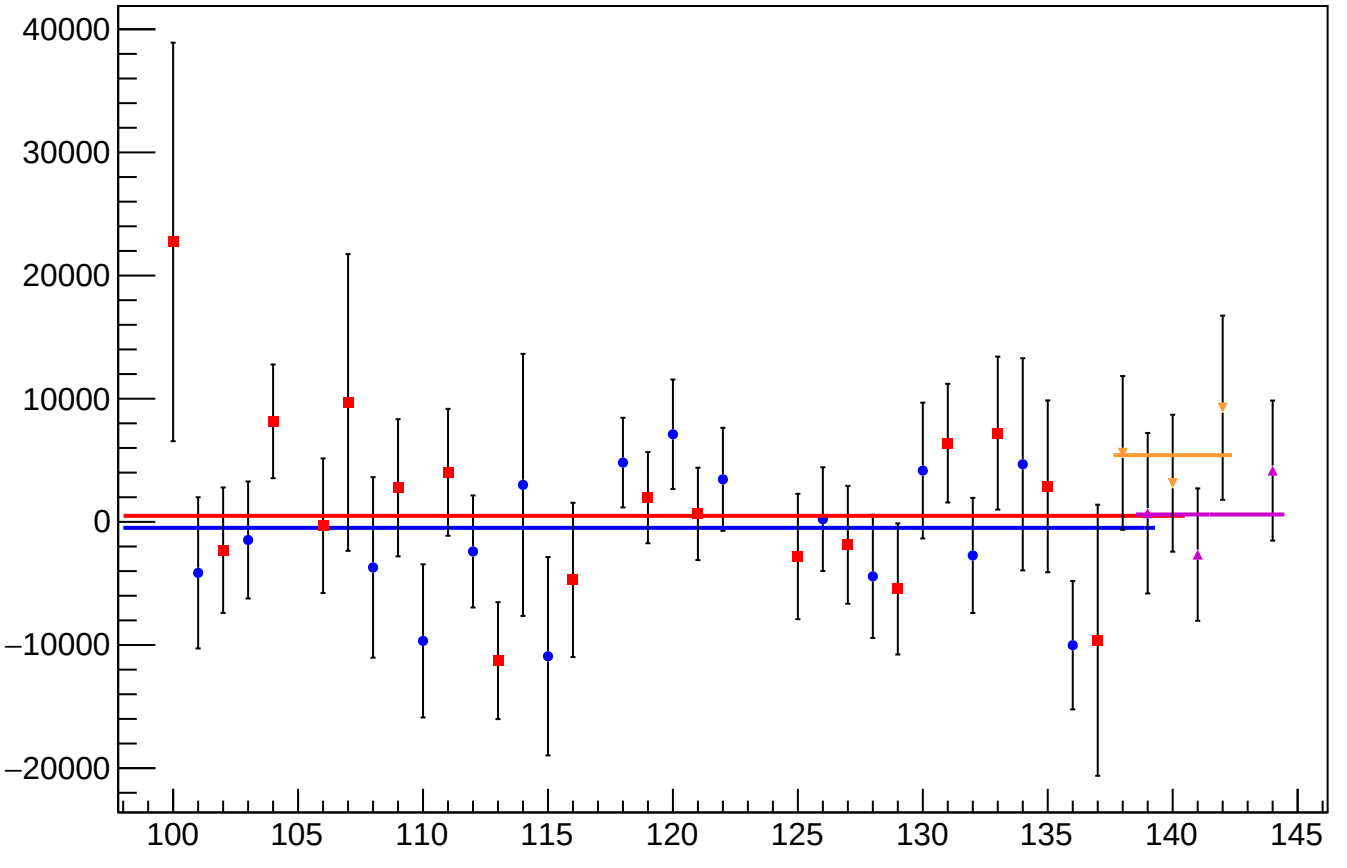
Left: 1694.957+/-0.553 χ^2/NDF: 8695.3/5

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1458.897+/-0.331 χ^2/NDF:236207.4/18

Out: 1425.229+/-0.332 χ^2/NDF:231446.8/20

All: 1442.131+/-0.234 χ^2/NDF: 472814.5/39



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF:0.4/2

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 598.677+/-3350.291 χ^2/NDF:0.8/2

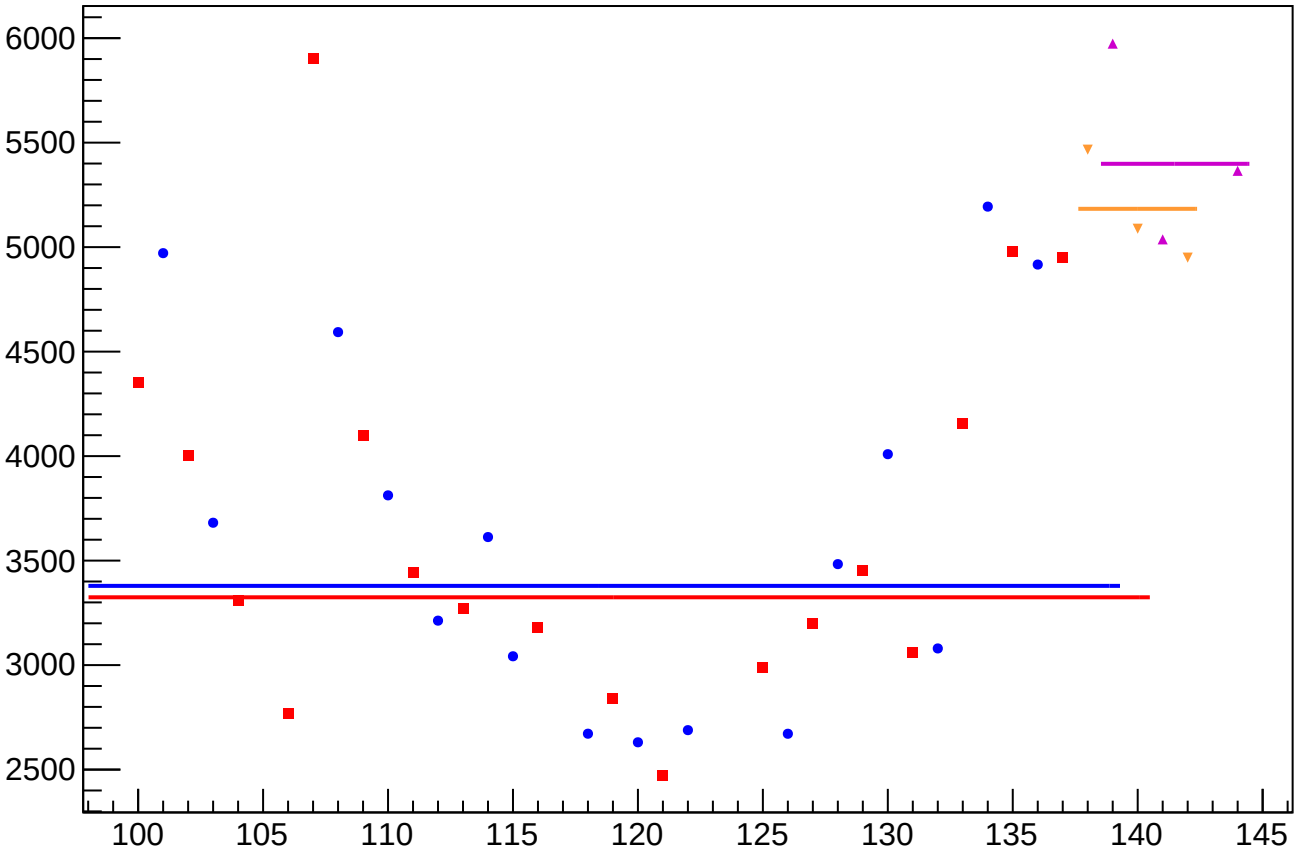
Left: 2814.510+/-2462.160 χ^2/NDF: 2.1/5

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -345.509+/-1207.848 χ^2/NDF:16.8/18

Out: 1019.327+/-1191.462 χ^2/NDF:20.8/20

All: 346.230+/-848.225 χ^2/NDF: 38.2/39



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5398.677+/-2.369 χ^2/NDF:24696.4/2

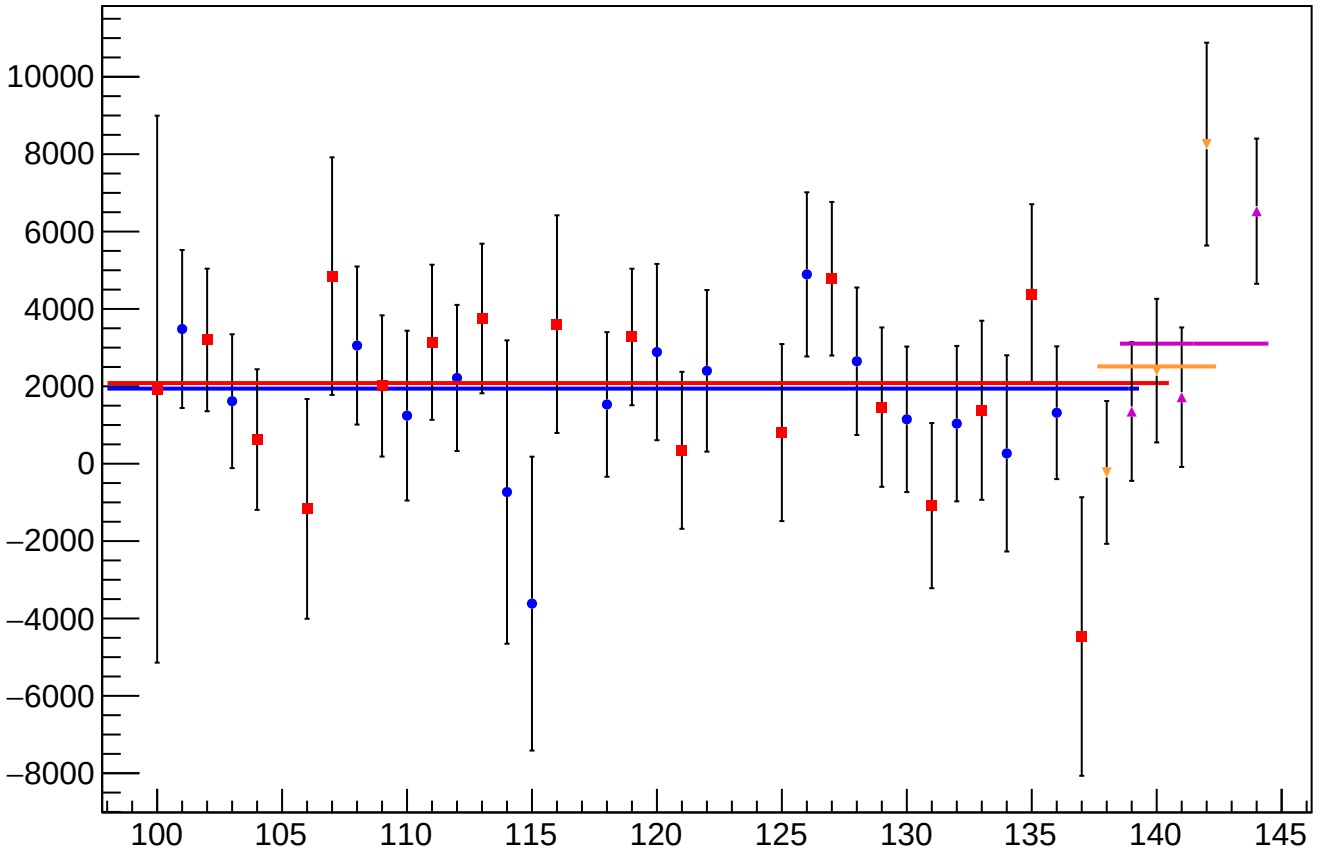
Left: 5299.635+/-1.741 χ^2/NDF: 35144.0/5

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3641.603+/-0.854 χ^2/NDF:1412321.4/18

Out: 3524.642+/-0.842 χ^2/NDF:1018283.8/20

All: 3582.324+/-0.600 χ^2/NDF: 2440110.1/39



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 3103.268+/-1052.190 χ^2/NDF:4.9/2

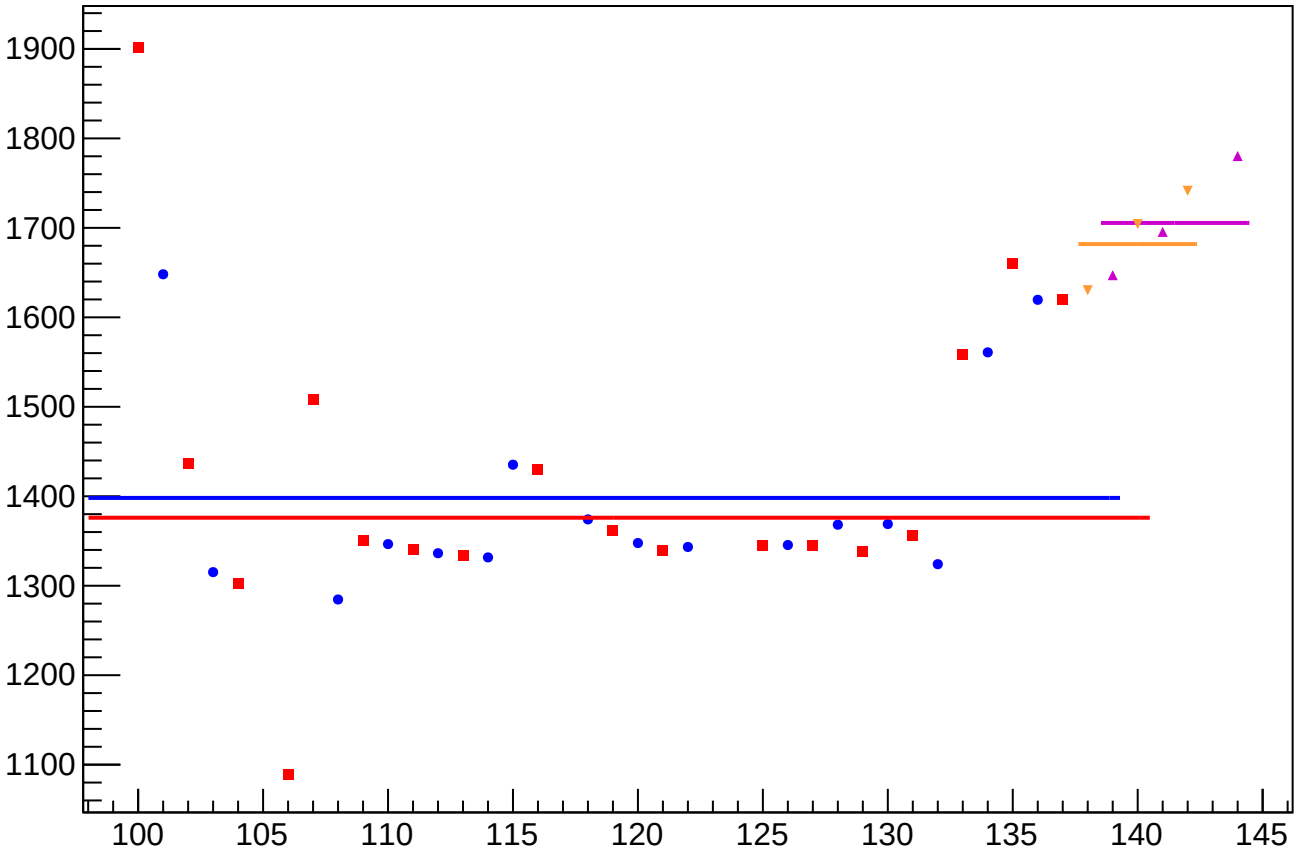
Left: 2840.198+/-782.618 χ^2/NDF: 12.0/5

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2170.709+/-467.742 χ^2/NDF:12.8/18

Out: 2154.955+/-474.925 χ^2/NDF:21.6/20

All: 2162.952+/-333.254 χ^2/NDF: 34.4/39



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1705.507+/-0.744 χ^2/NDF:5360.2/2

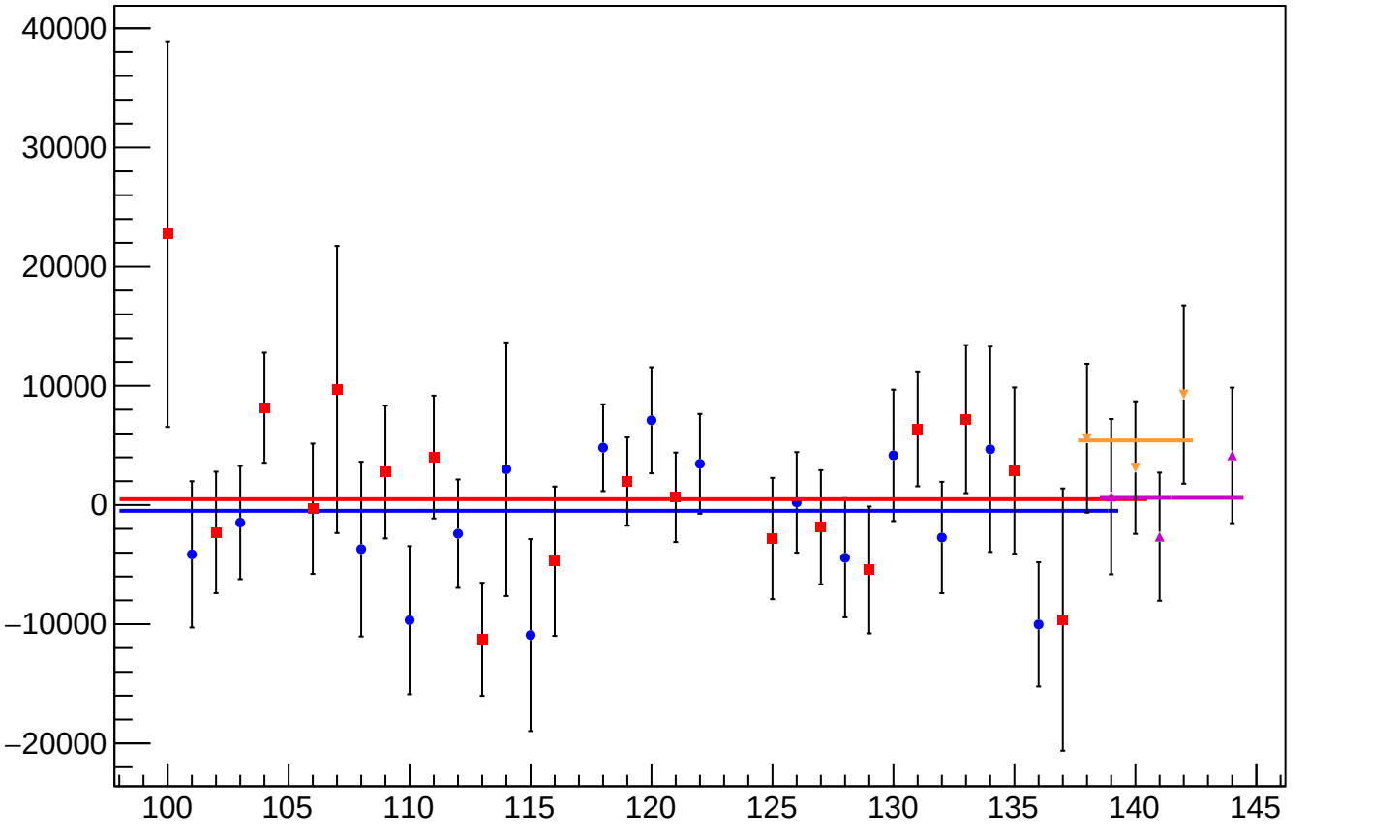
Left: 1694.957+/-0.553 χ^2/NDF: 8695.3/5

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1458.897+/-0.331 χ^2/NDF:236207.4/18

Out: 1425.229+/-0.332 χ^2/NDF:231446.8/20

All: 1442.131+/-0.234 χ^2/NDF: 472814.5/39



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF:0.4/2

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 598.677+/-3350.291 χ^2/NDF:0.8/2

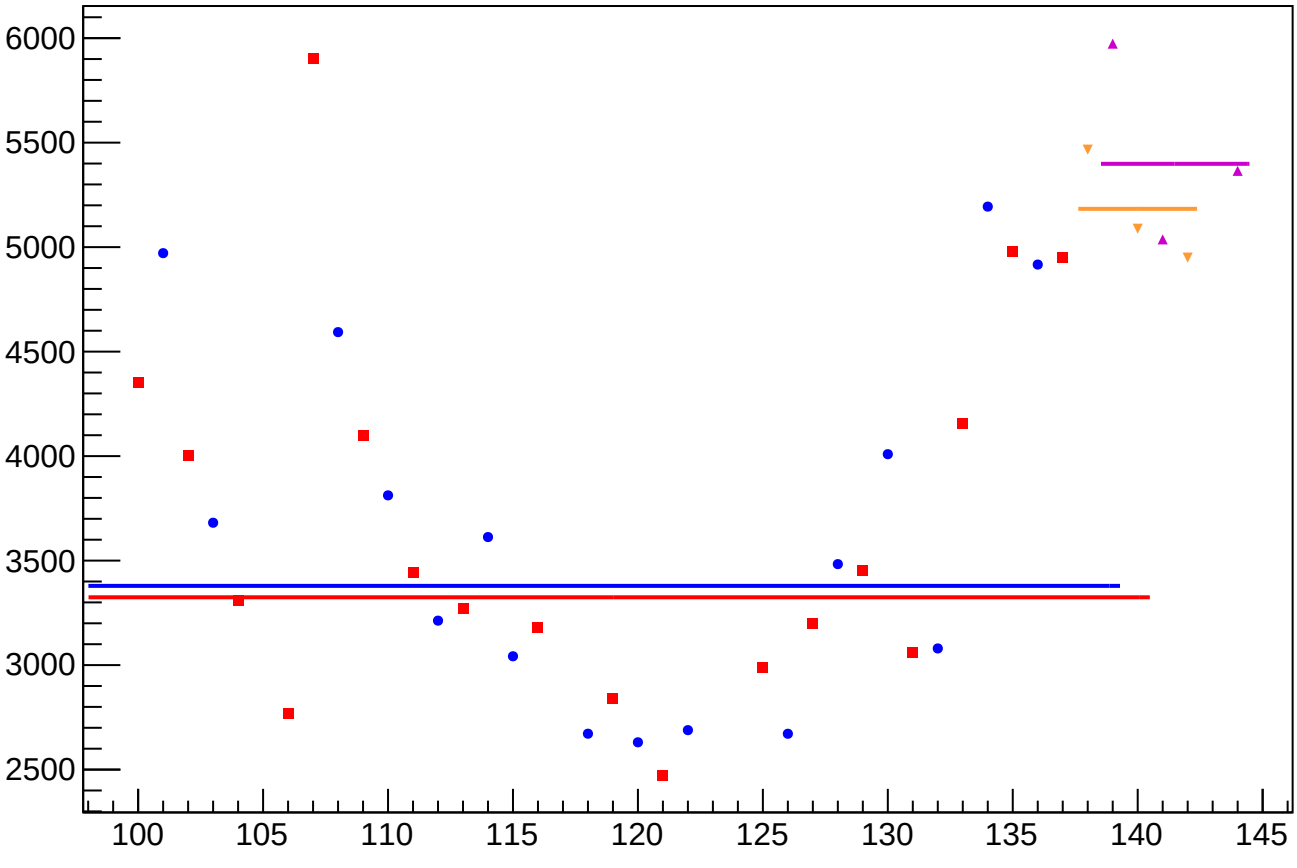
Left: 2814.510+/-2462.160 χ^2/NDF: 2.1/5

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -345.509+/-1207.848 χ^2/NDF:16.8/18

Out: 1019.327+/-1191.462 χ^2/NDF:20.8/20

All: 346.230+/-848.225 χ^2/NDF: 38.2/39



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5398.677+/-2.369 χ^2/NDF:24696.4/2

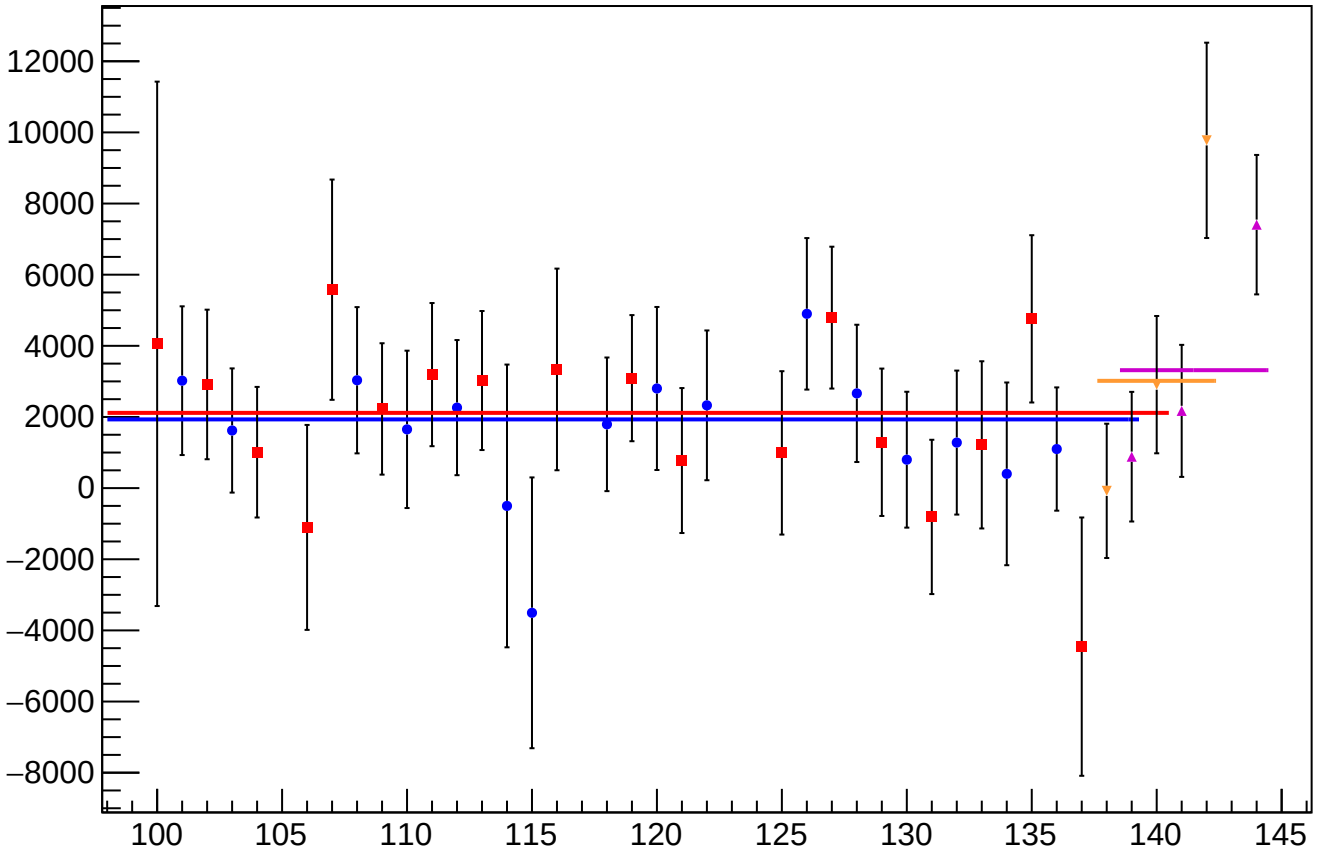
Left: 5299.635+/-1.741 χ^2/NDF: 35144.0/5

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3641.603+/-0.854 χ^2/NDF:1412321.4/18

Out: 3524.642+/-0.842 χ^2/NDF:1018283.8/20

All: 3582.324+/-0.600 χ^2/NDF: 2440110.1/39



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.825+/-1211.172 χ^2/NDF:8.8/2

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 3315.394+/-1083.526 χ^2/NDF:6.5/2

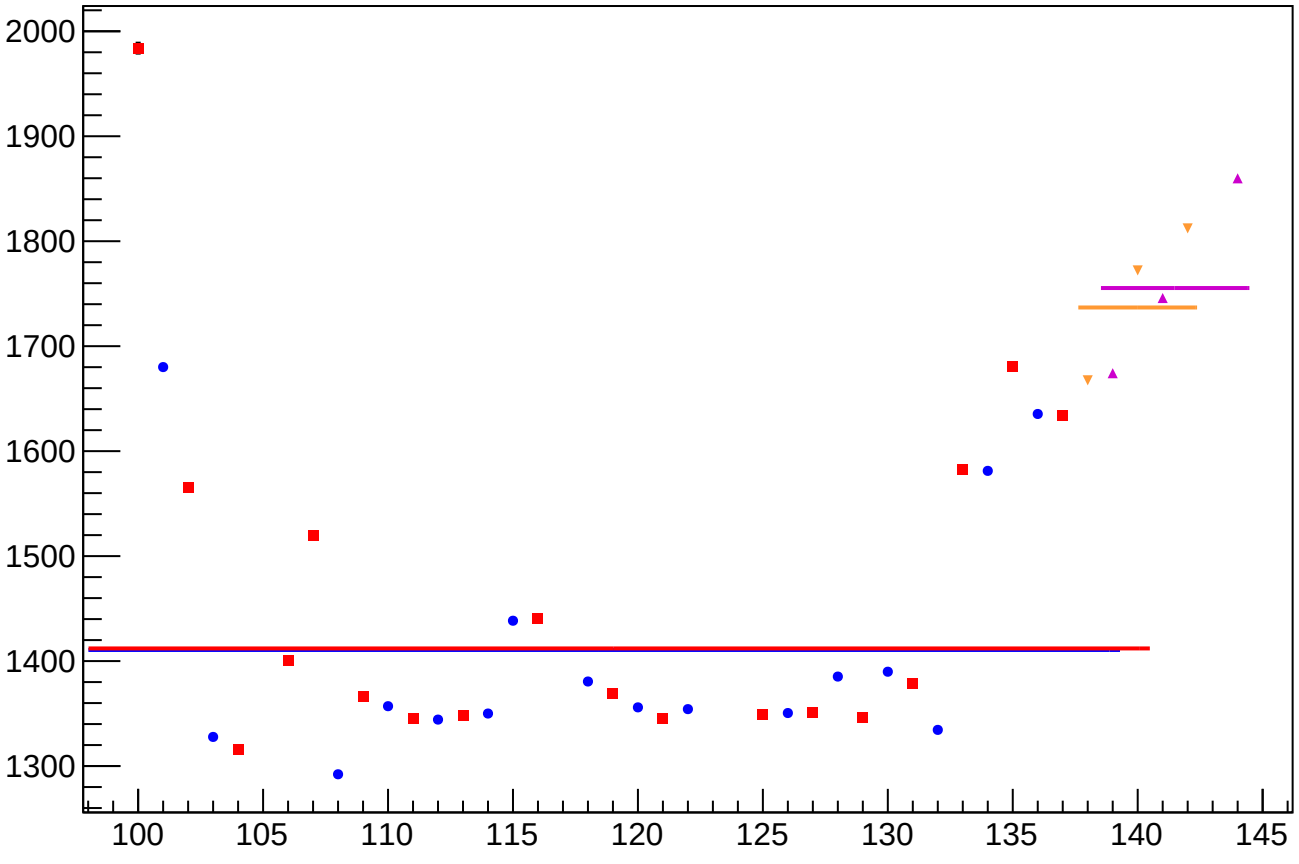
Left: 3182.222+/-807.540 χ^2/NDF: 15.3/5

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2196.386+/-474.016 χ^2/NDF:14.2/18

Out: 2259.389+/-484.625 χ^2/NDF:22.4/20

All: 2227.190+/-338.869 χ^2/NDF: 36.6/39



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.865+/-0.856 χ^2/NDF:4878.1/2

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1755.394+/-0.766 χ^2/NDF:9706.3/2

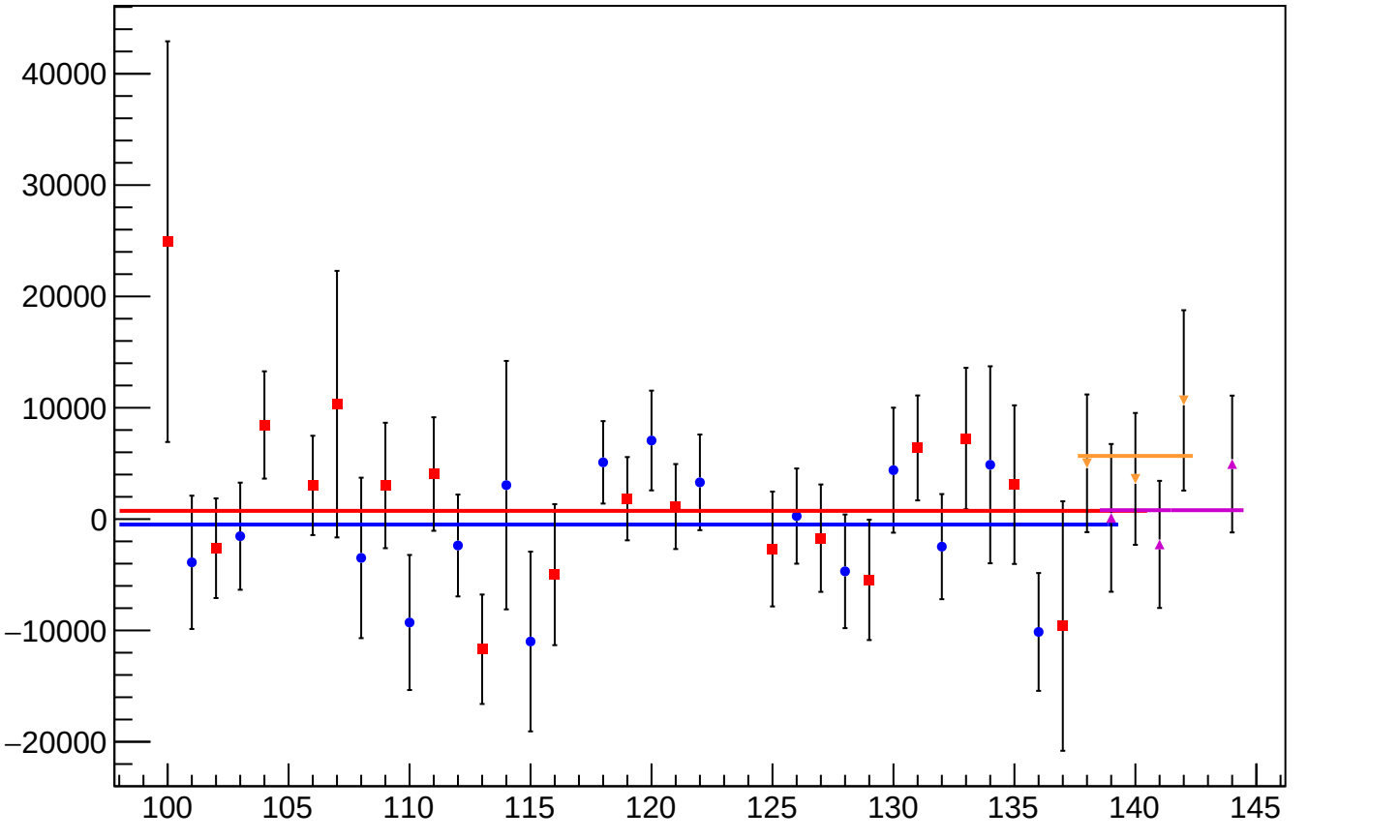
Left: 1747.157+/-0.571 χ^2/NDF: 14844.4/5

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1476.585+/-0.335 χ^2/NDF:272622.6/18

Out: 1463.819+/-0.342 χ^2/NDF:215501.0/20

All: 1470.329+/-0.239 χ^2/NDF: 488834.4/39



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 5672.662+/-3781.982 χ^2/NDF:0.5/2

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 798.652+/-3538.251 χ^2/NDF:0.8/2

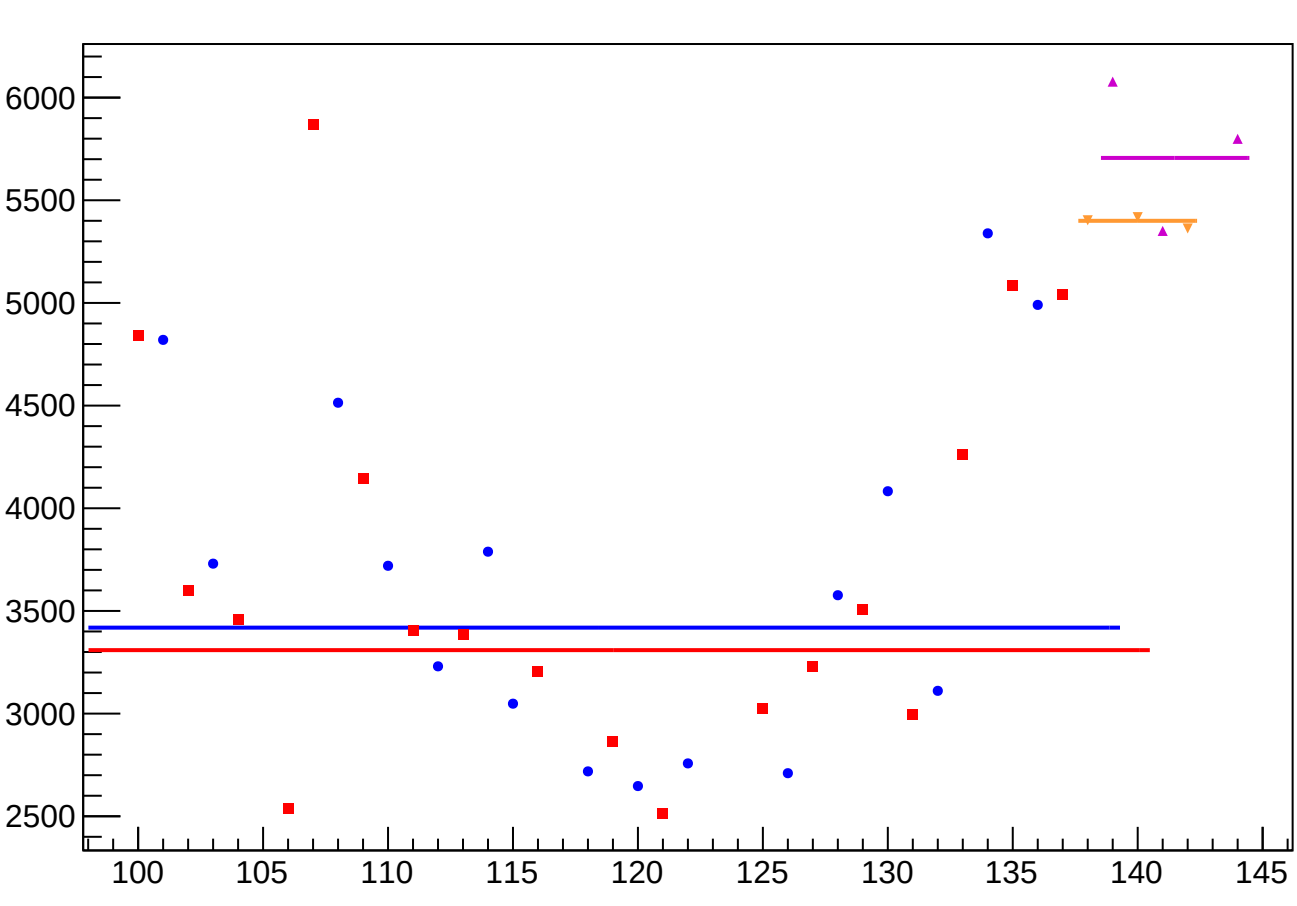
Left: 3073.554+/-2583.792 χ^2/NDF: 2.2/5

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -334.397+/-1227.424 χ^2/NDF:16.7/18

Out: 1224.873+/-1185.097 χ^2/NDF:21.2/20

All: 472.587+/-852.561 χ^2/NDF: 38.8/39



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5399.940+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5706.167+/-2.502 χ^2/NDF:14480.3/2

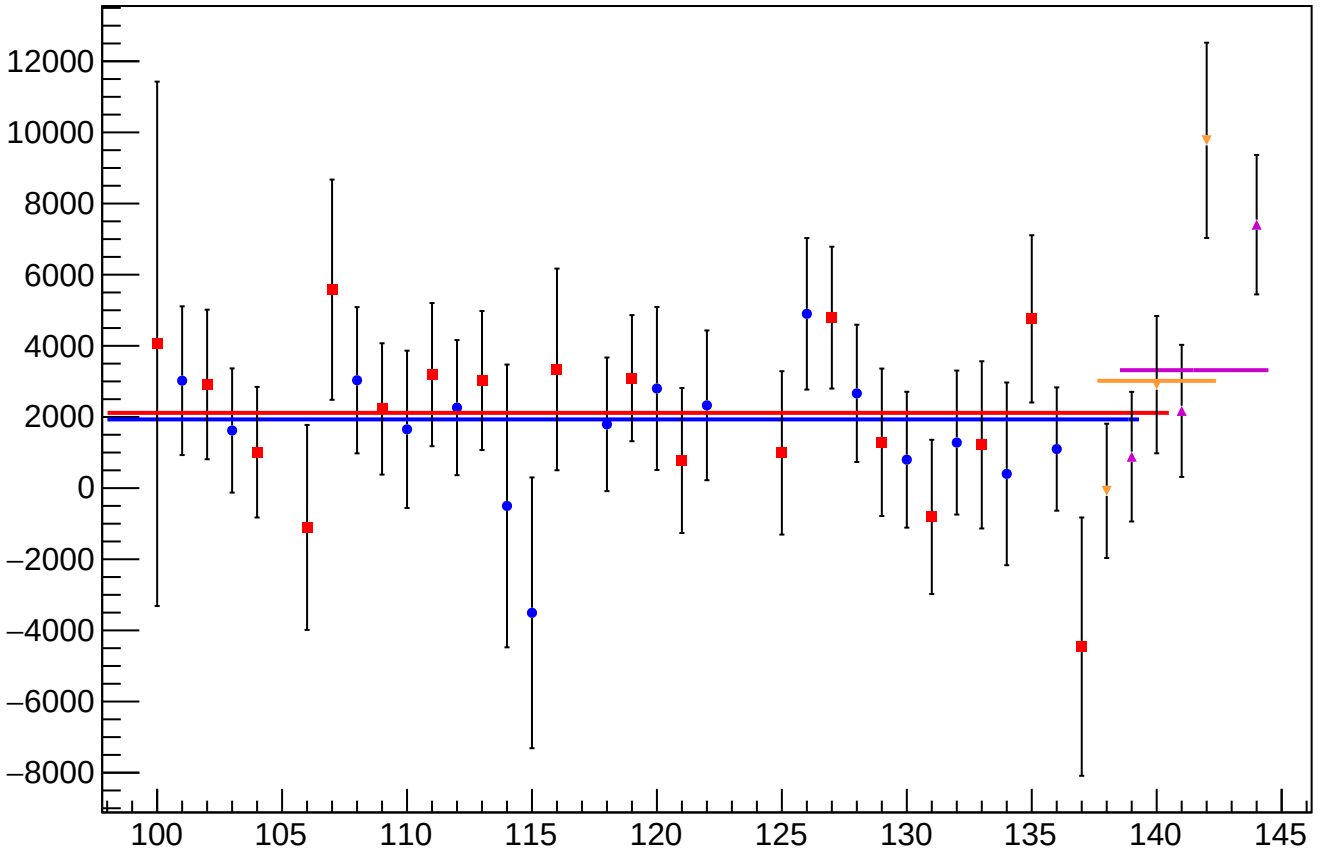
Left: 5563.238+/-1.827 χ^2/NDF: 21533.1/5

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3693.976+/-0.868 χ^2/NDF:1471015.9/18

Out: 3514.411+/-0.838 χ^2/NDF:1123243.5/20

All: 3601.044+/-0.603 χ^2/NDF: 2616412.0/39



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.837+/-1211.173 χ^2/NDF:8.8/2

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 3315.396+/-1083.527 χ^2/NDF:6.5/2

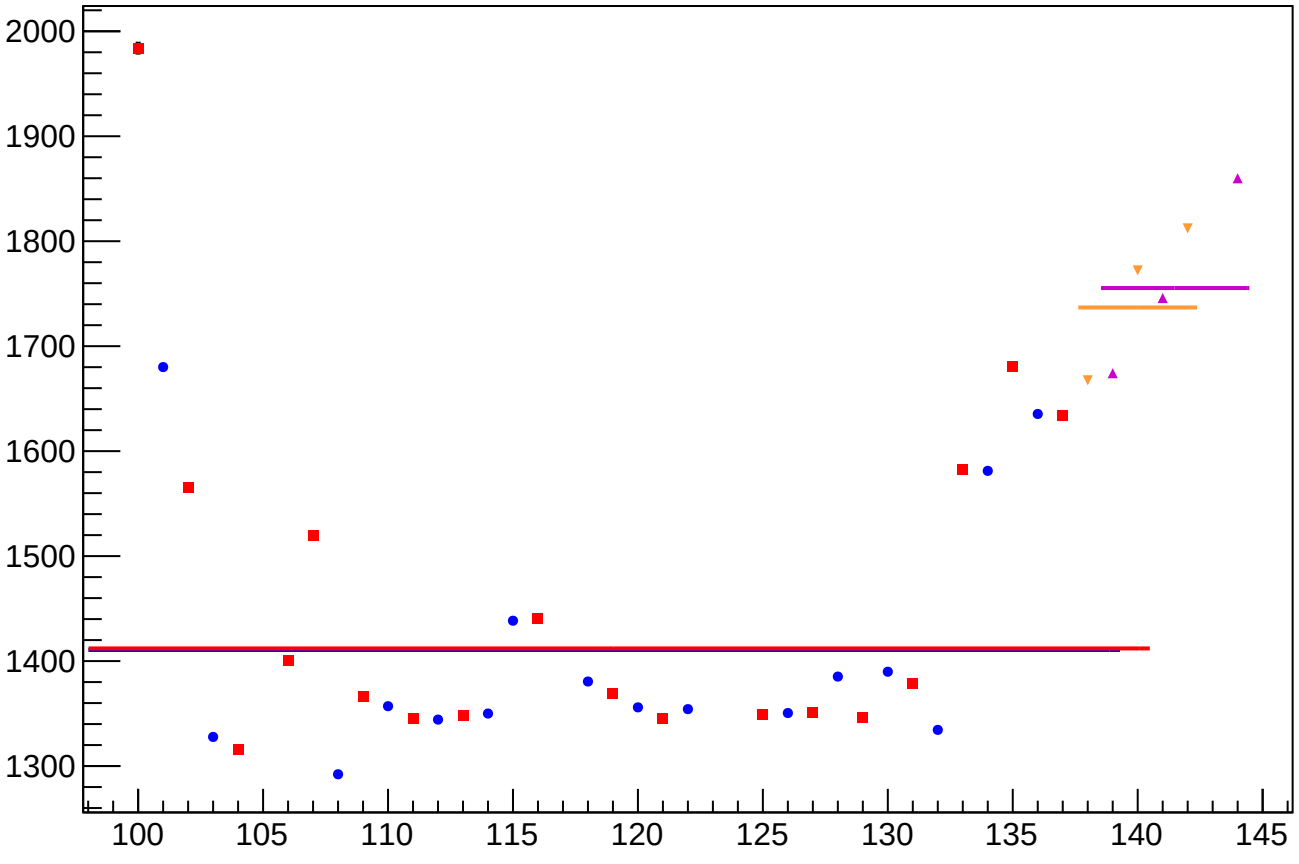
Left: 3182.229+/-807.540 χ^2/NDF: 15.3/5

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2196.387+/-474.016 χ^2/NDF:14.2/18

Out: 2259.391+/-484.626 χ^2/NDF:22.4/20

All: 2227.192+/-338.869 χ^2/NDF: 36.6/39



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.866+/-0.856 χ^2/NDF:4878.3/2

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1755.396+/-0.766 χ^2/NDF:9706.4/2

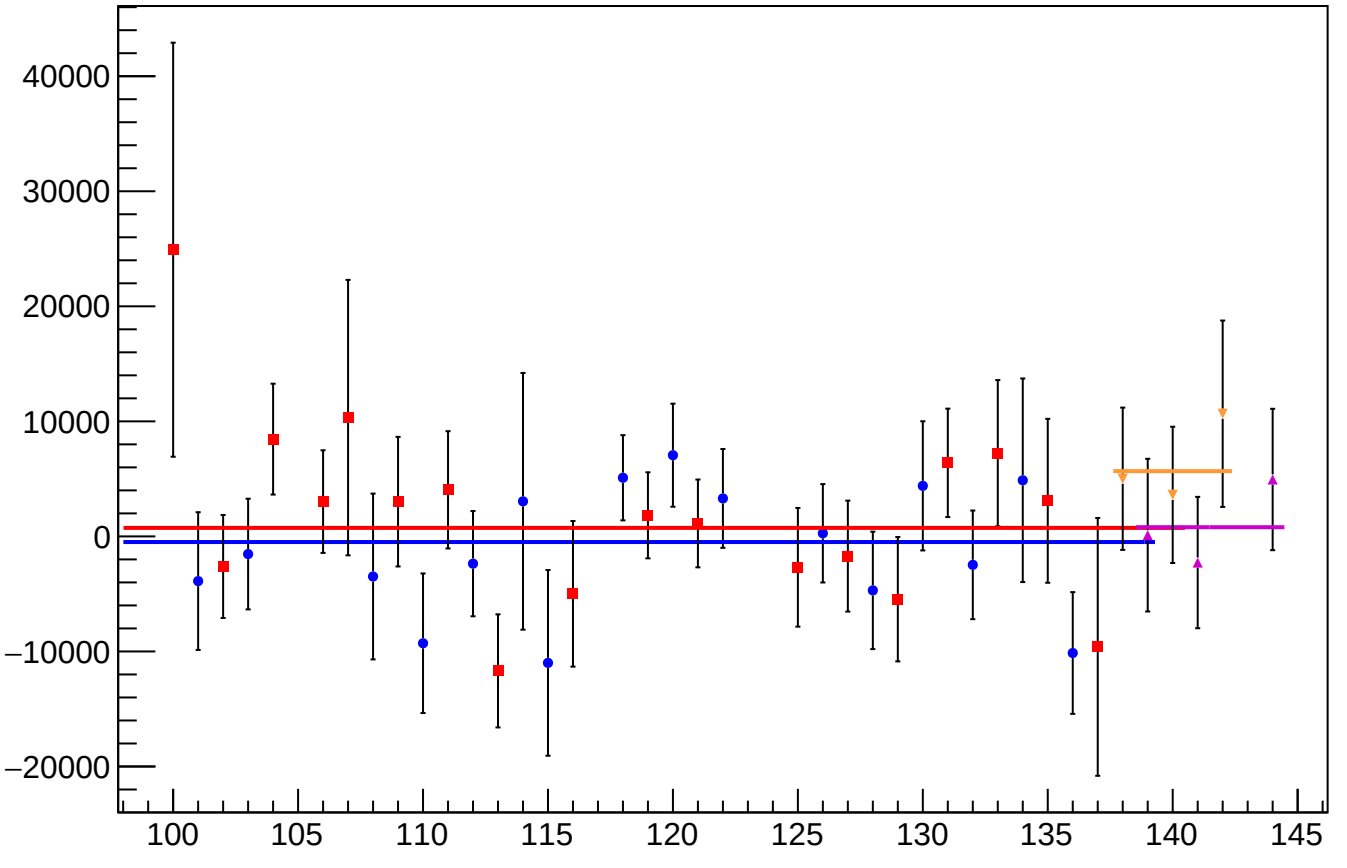
Left: 1747.159+/-0.571 χ^2/NDF: 14844.8/5

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1476.585+/-0.335 χ^2/NDF:272624.0/18

Out: 1463.819+/-0.342 χ^2/NDF:215502.1/20

All: 1470.329+/-0.239 χ^2/NDF: 488837.0/39



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 5672.683+/-3781.992 χ^2/NDF:0.5/2

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 798.655+/-3538.259 χ^2/NDF:0.8/2

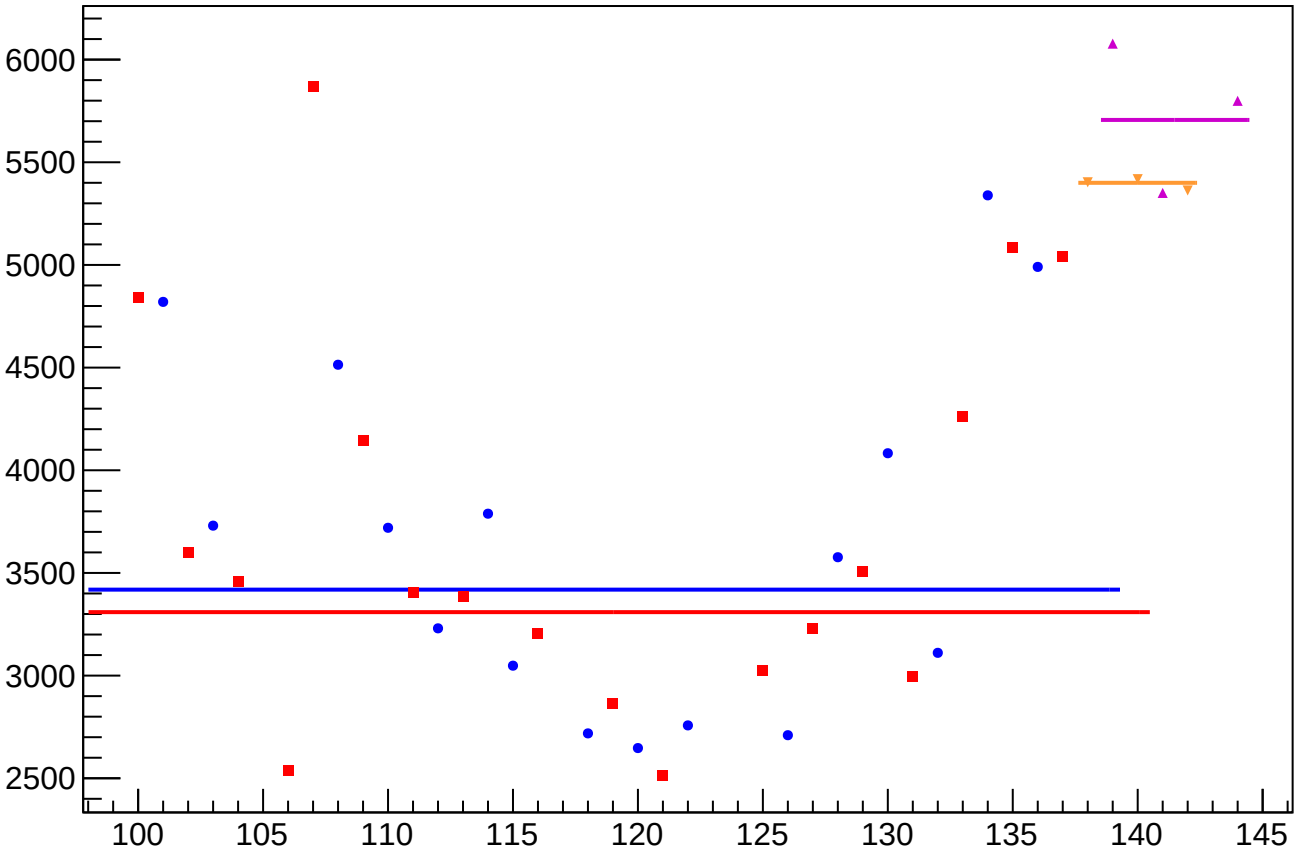
Left: 3073.564+/-2583.799 χ^2/NDF: 2.2/5

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -334.392+/-1227.421 χ^2/NDF:16.7/18

Out: 1224.873+/-1185.094 χ^2/NDF:21.2/20

All: 472.589+/-852.559 χ^2/NDF: 38.8/39



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5399.954+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5706.179+/-2.502 χ^2/NDF:14480.7/2

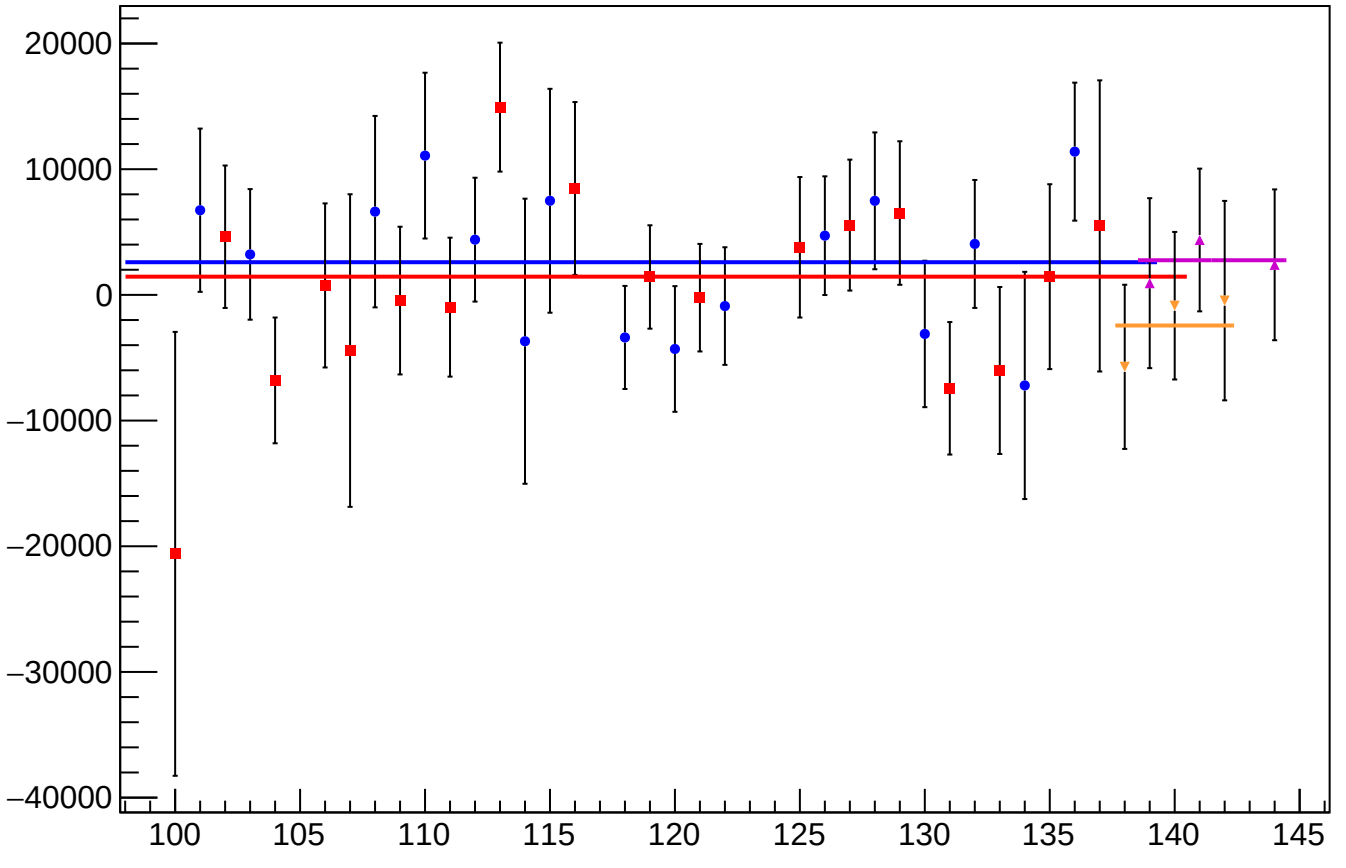
Left: 5563.251+/-1.827 χ^2/NDF: 21533.4/5

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3693.965+/-0.868 χ^2/NDF:1471037.9/18

Out: 3514.402+/-0.838 χ^2/NDF:1123257.7/20

All: 3601.034+/-0.603 χ^2/NDF: 2616448.0/39



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -2434.984+/-3824.806 χ^2/NDF:0.4/2

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2756.342+/-3520.773 χ^2/NDF:0.2/2

Left: 375.180+/-2590.388 χ^2/NDF: 1.5/5

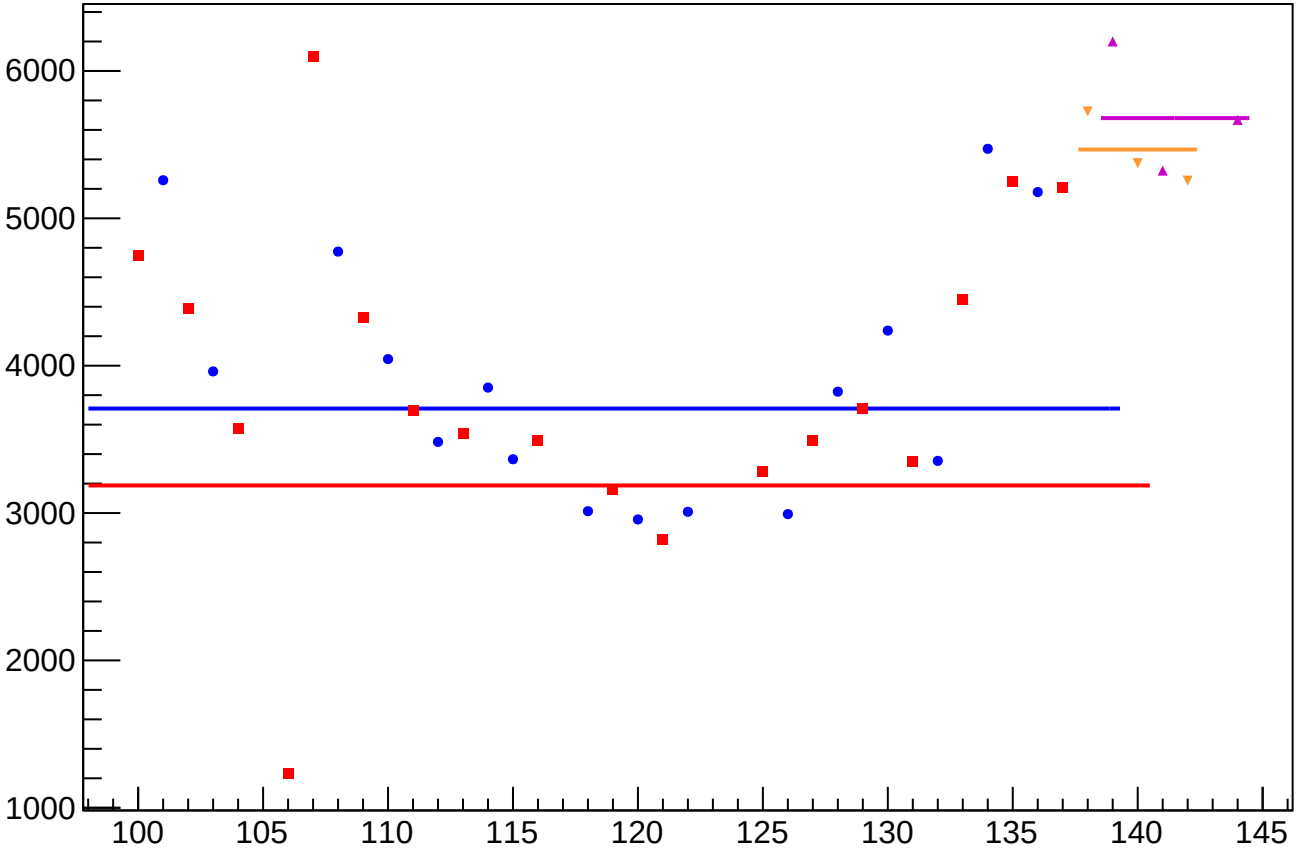
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2621.402+/-1312.532 χ^2/NDF:13.6/18

Out: 1001.264+/-1300.437 χ^2/NDF:20.3/20

All: 1803.834+/-923.794 χ^2/NDF: 34.7/39

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5467.085+/-2.705 χ^2/NDF:5058.0/2

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5680.204+/-2.490 χ^2/NDF:19738.1/2

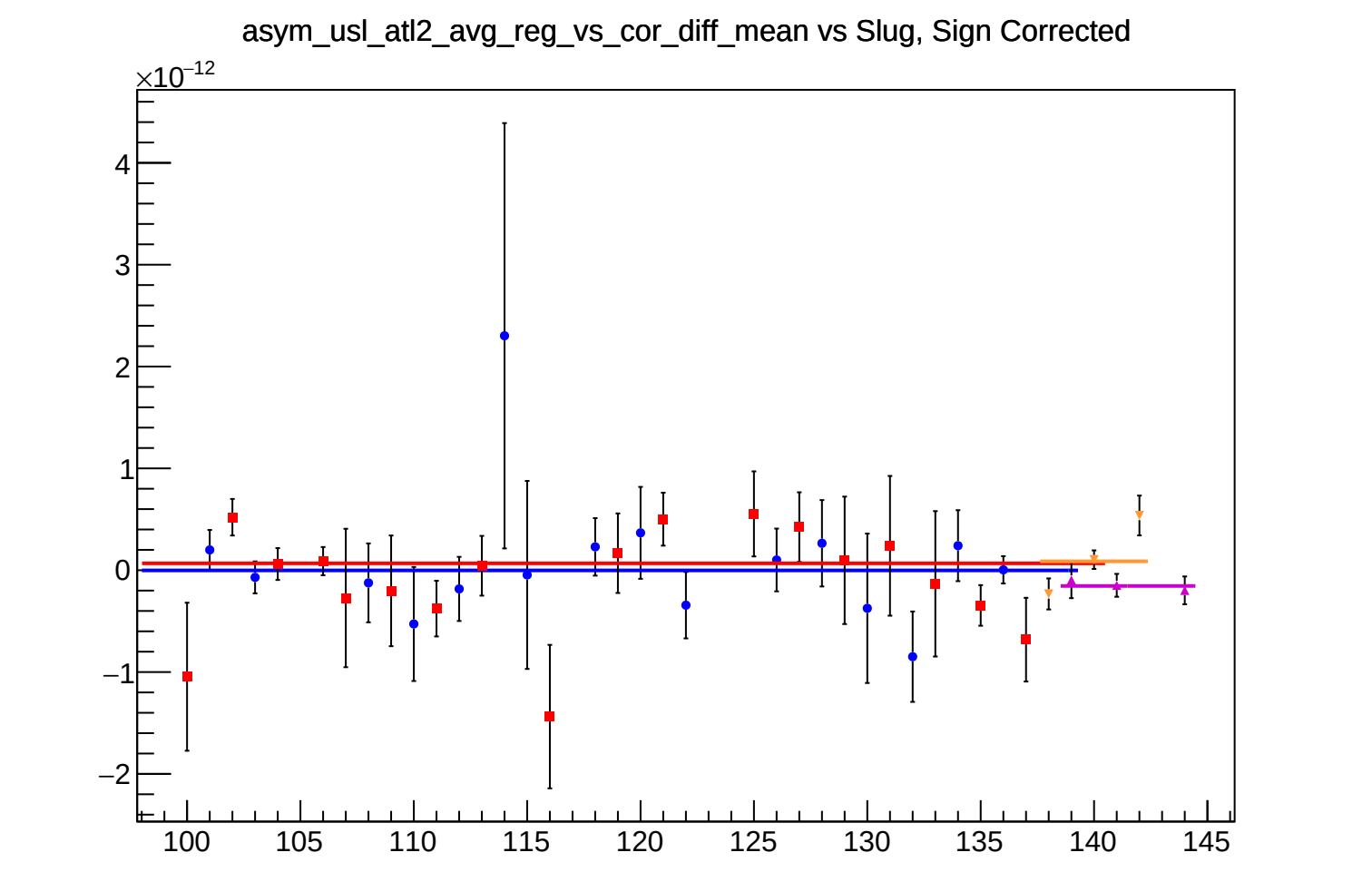
Left: 5582.451+/-1.832 χ^2/NDF: 28157.5/5

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 3983.085+/-0.928 χ^2/NDF:1170089.8/18

Out: 3412.478+/-0.850 χ^2/NDF:2256280.9/20

All: 3672.823+/-0.627 χ^2/NDF: 3631901.2/39



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

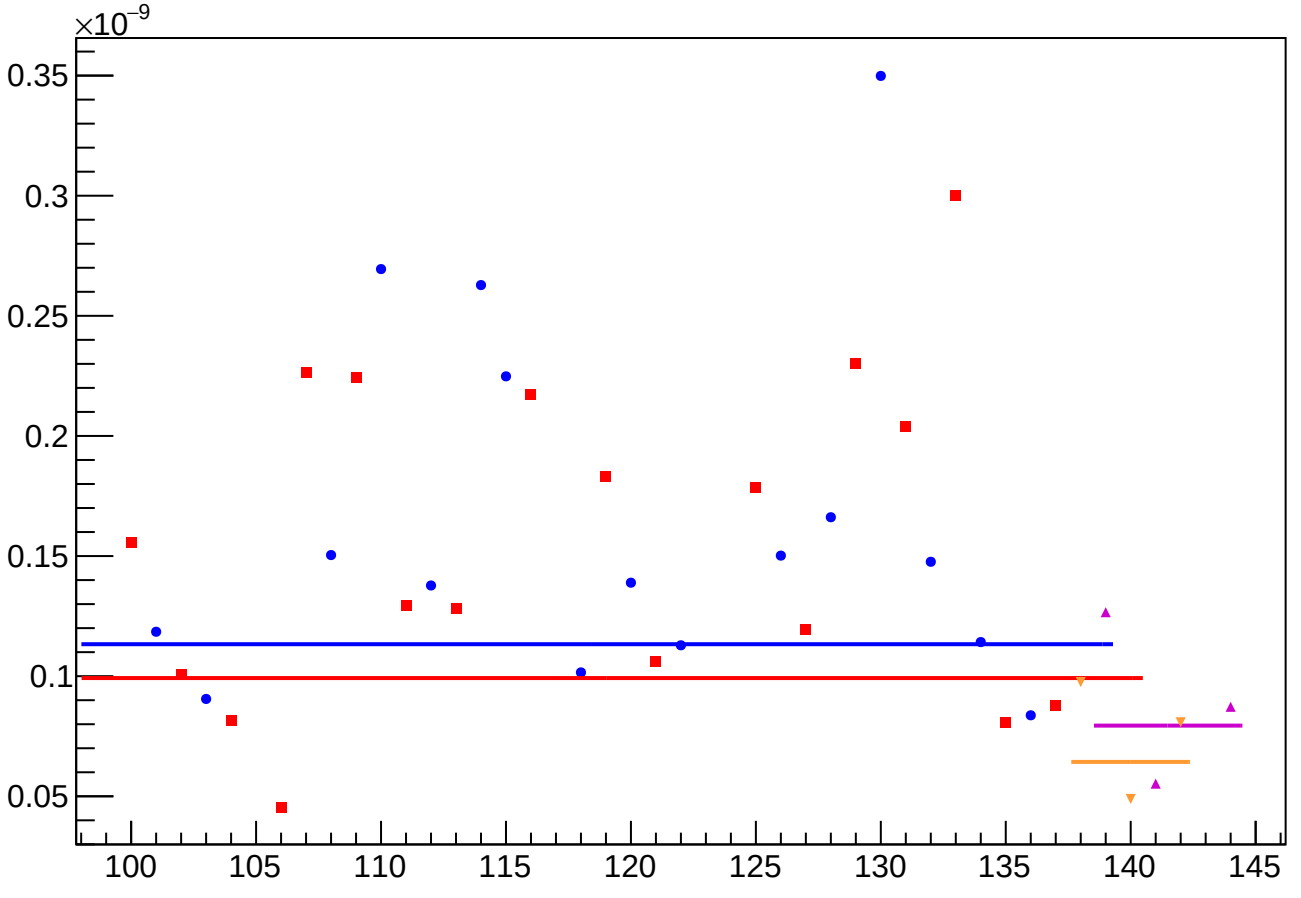
Left: -0.000+/-0.000 χ^2/NDF: 15.1/5

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:13.4/18

Out: 0.000+/-0.000 χ^2/NDF:39.3/20

All: 0.000+/-0.000 χ^2/NDF: 56.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:166773.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:239789.7/2

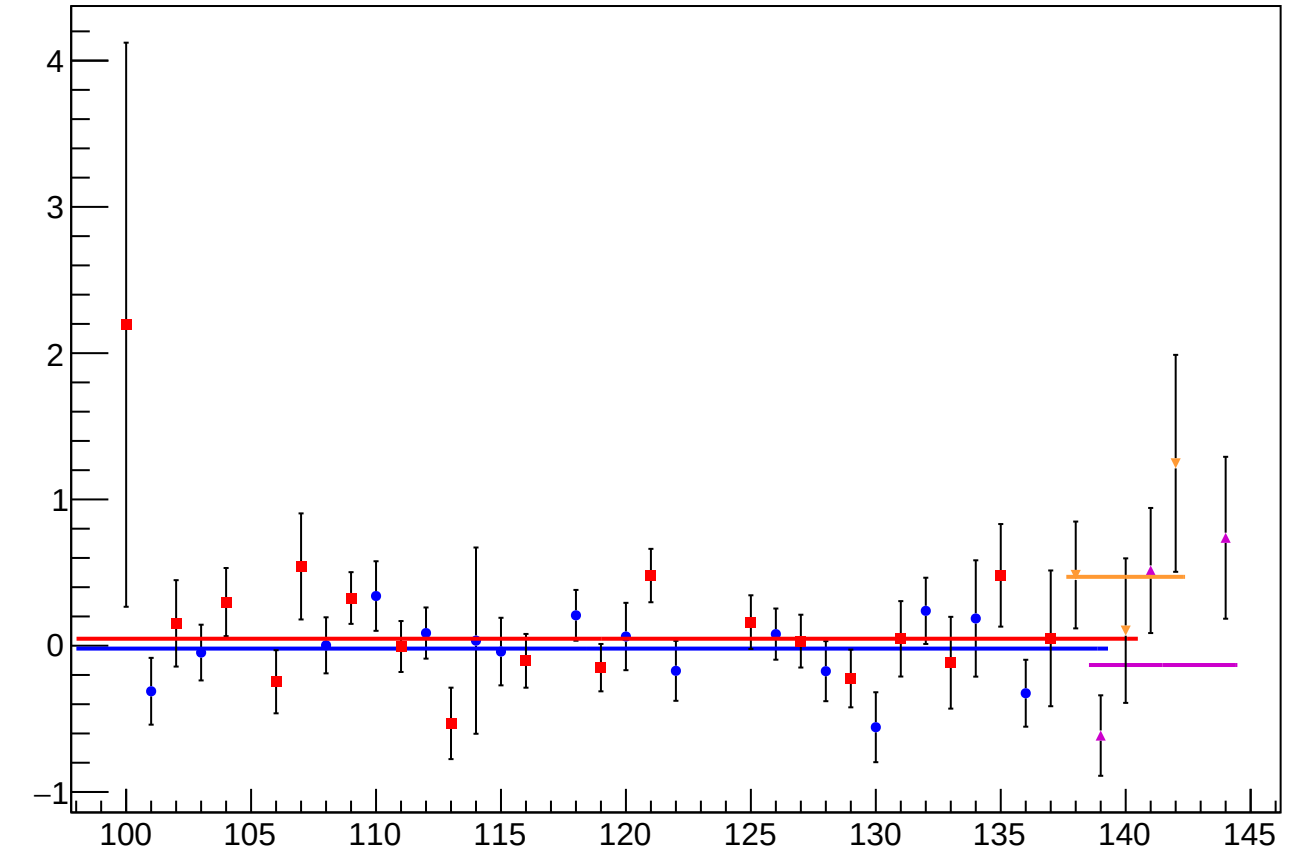
Left: 0.000+/-0.000 χ^2/NDF: 446810.0/5

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1103525.2/18

Out: 0.000+/-0.000 χ^2/NDF:1521987.5/20

All: 0.000+/-0.000 χ^2/NDF: 2708911.4/39



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.213 χ^2/NDF:7.8/2

Left: 0.097+/-0.168 χ^2/NDF: 12.5/5

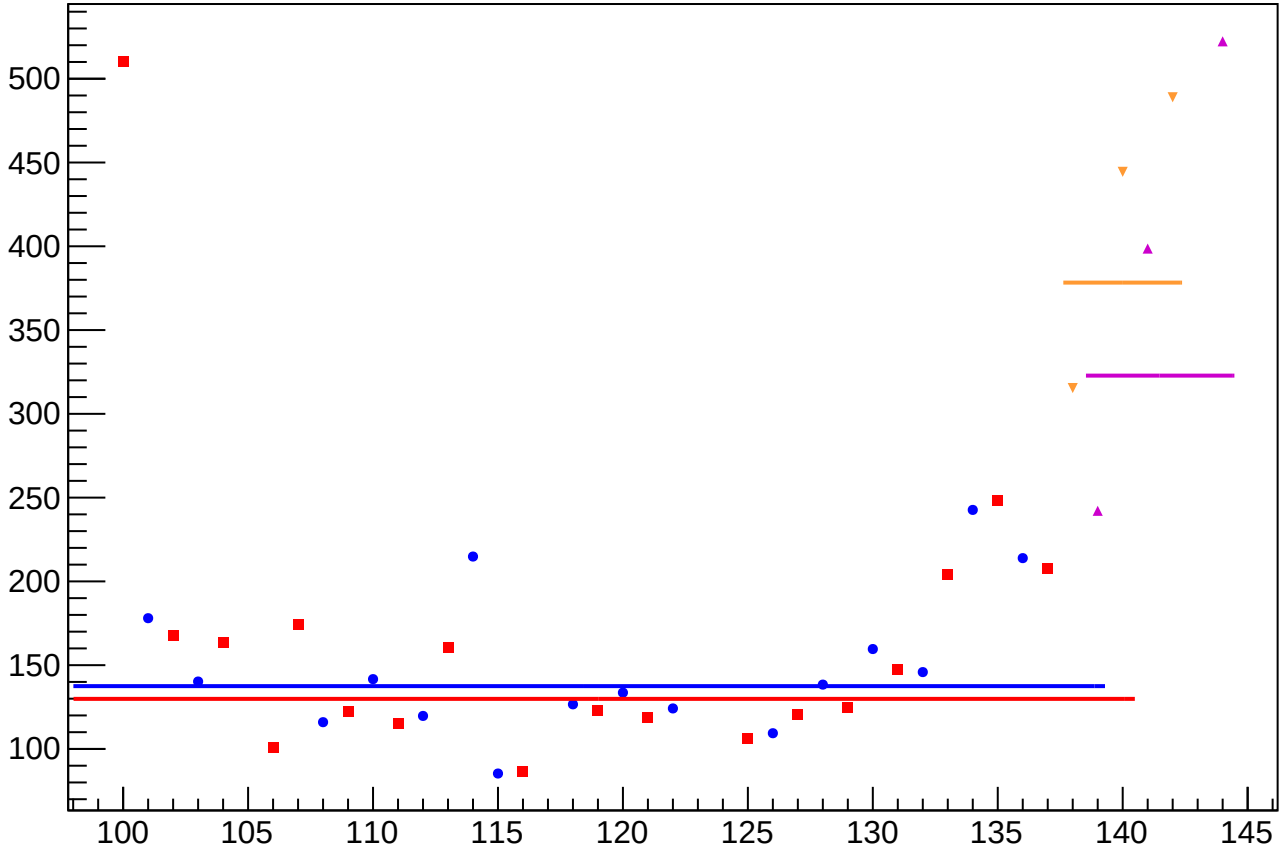
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.027+/-0.053 χ^2/NDF:24.1/18

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.019+/-0.037 χ^2/NDF: 55.8/39

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 378.327+/-0.193 χ^2/NDF:139695.1/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 322.812+/-0.151 χ^2/NDF:494762.8/2

Left: 343.873+/-0.119 χ^2/NDF: 685773.1/5

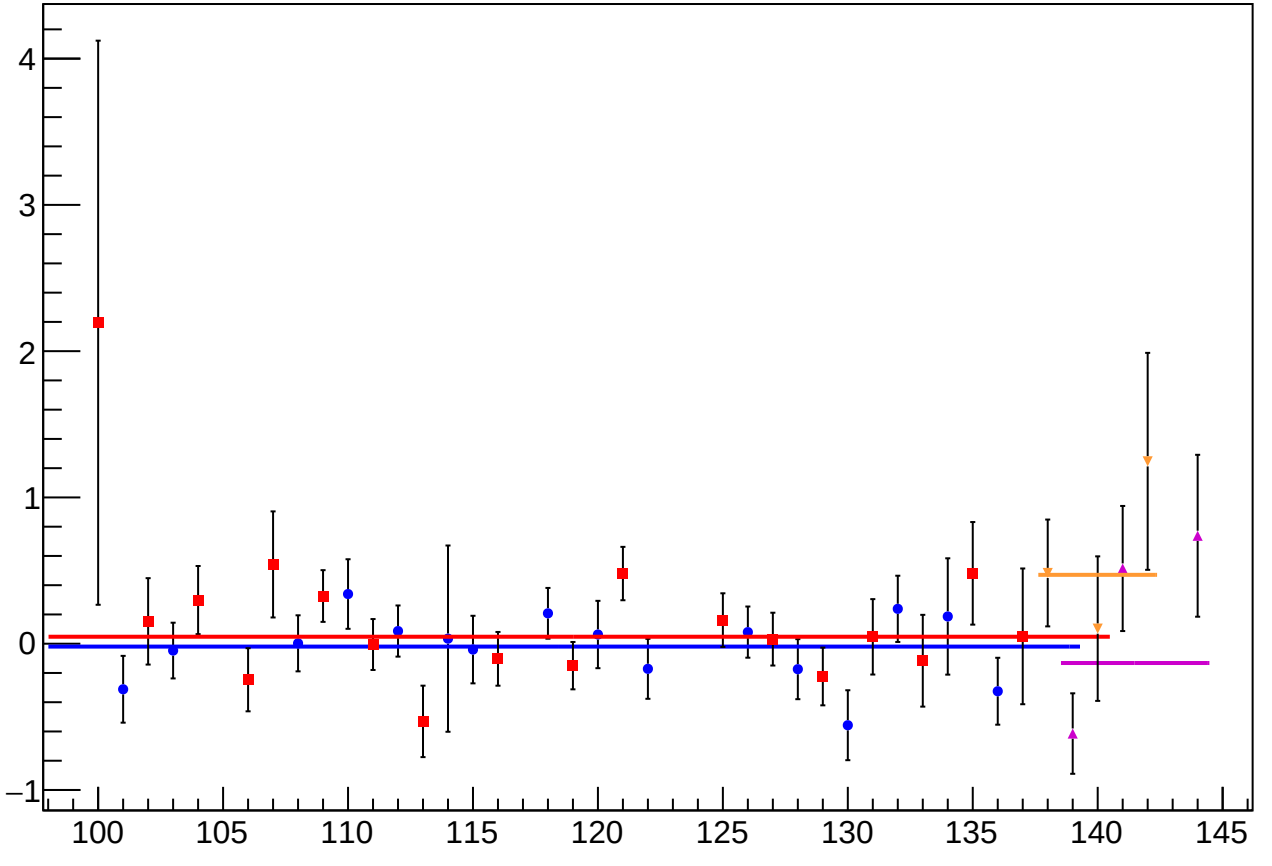
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 148.718+/-0.037 χ^2/NDF:2603743.3/18

Out: 138.743+/-0.036 χ^2/NDF:2570574.2/20

All: 143.636+/-0.026 χ^2/NDF: 5211045.3/39

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.213 χ^2/NDF:7.8/2

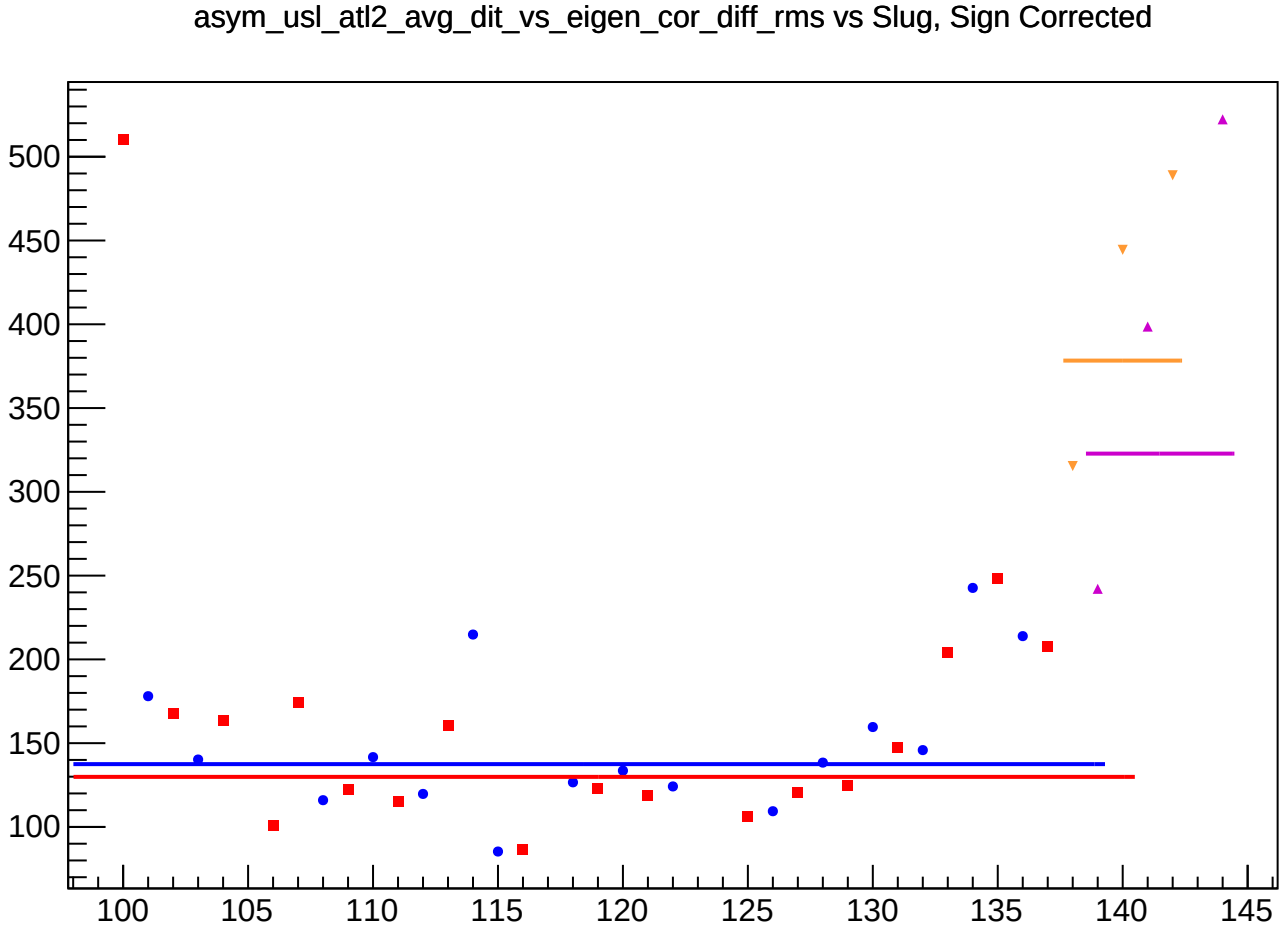
Left: 0.097+/-0.168 χ^2/NDF: 12.5/5

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.027+/-0.053 χ^2/NDF:24.1/18

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.019+/-0.037 χ^2/NDF: 55.8/39



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 378.327+/-0.193 χ^2/NDF:139695.1/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 322.812+/-0.151 χ^2/NDF:494762.8/2

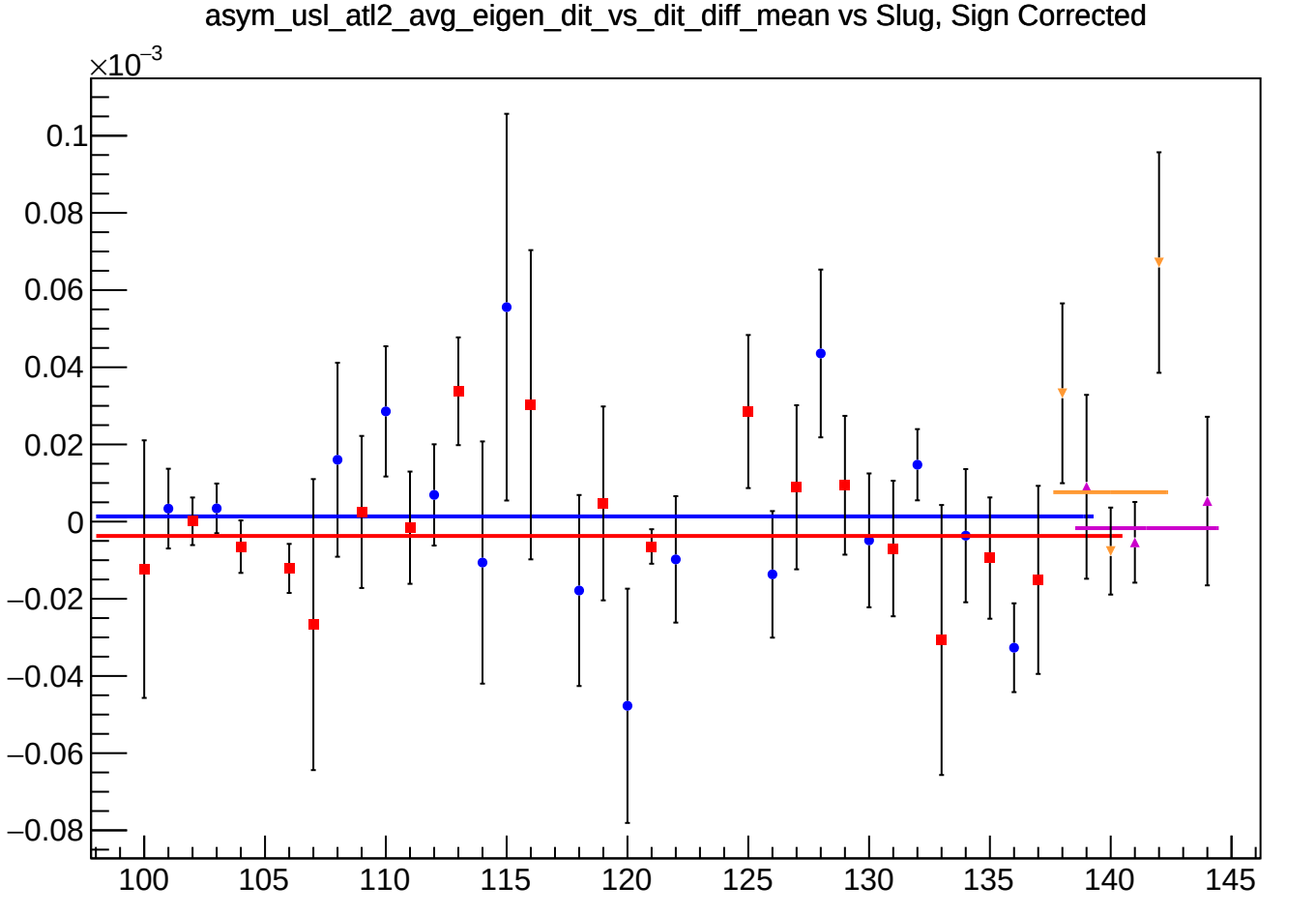
Left: 343.873+/-0.119 χ^2/NDF: 685773.1/5

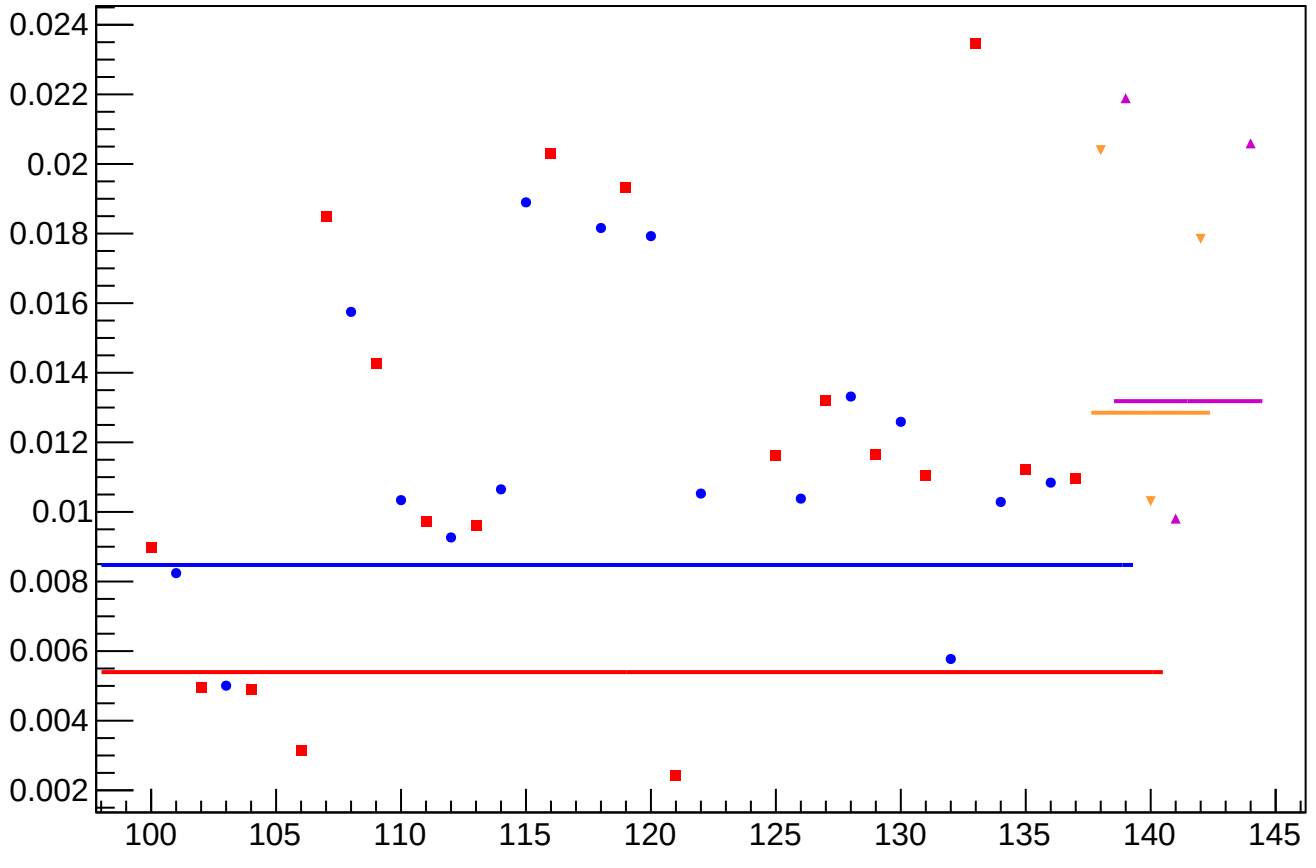
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 148.718+/-0.037 χ^2/NDF:2603743.3/18

Out: 138.743+/-0.036 χ^2/NDF:2570574.2/20

All: 143.636+/-0.026 χ^2/NDF: 5211045.3/39


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: 0.000+/-0.000 χ²/NDF:7.4/2
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:0.4/2
Left: 0.000+/-0.000 χ²/NDF: 8.3/5
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:24.5/18
Out: -0.000+/-0.000 χ²/NDF:24.5/20
All: -0.000+/-0.000 χ²/NDF: 49.9/39



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.013+/-0.000 χ^2/NDF:372621.2/2

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.013+/-0.000 χ^2/NDF:705593.8/2

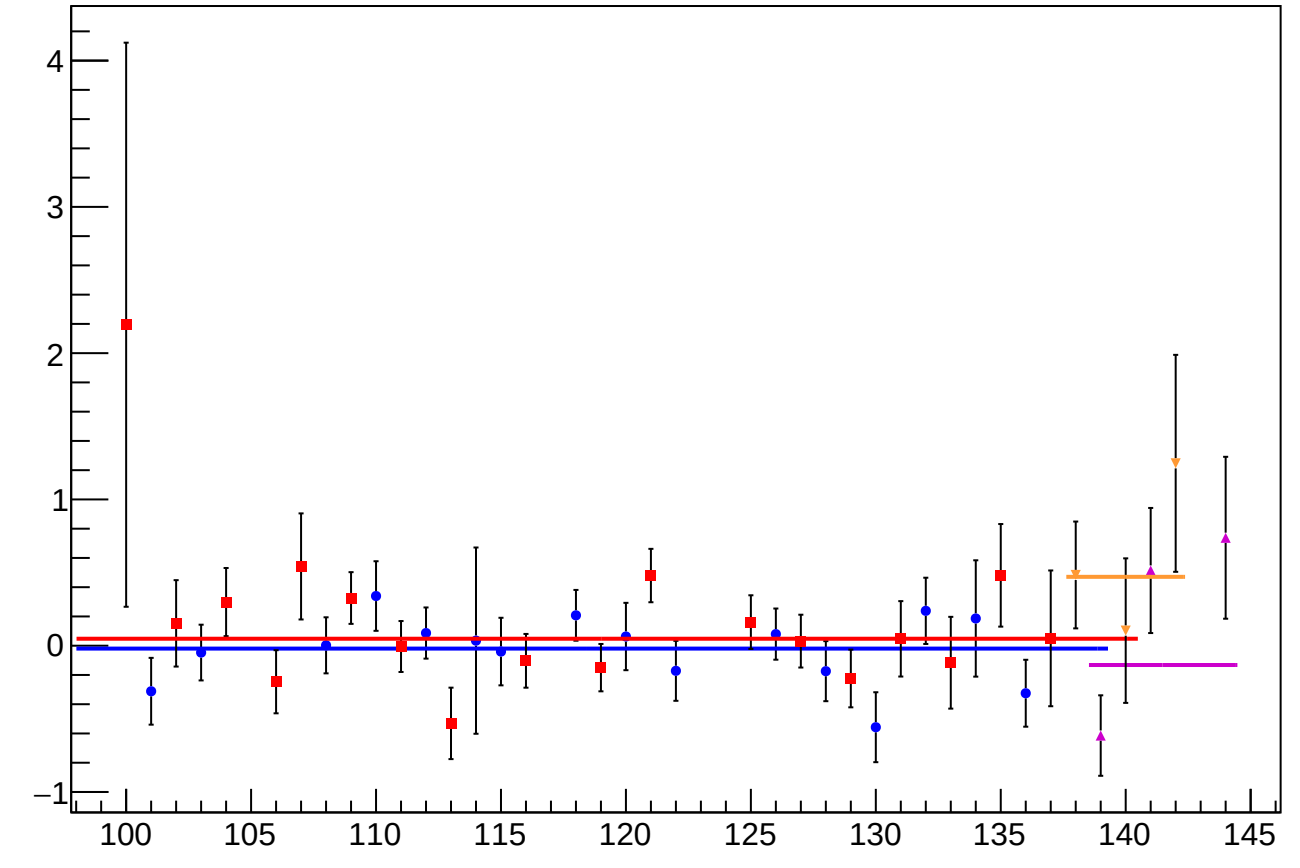
Left: 0.013+/-0.000 χ^2/NDF: 1079526.4/5

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:3130942.2/18

Out: 0.006+/-0.000 χ^2/NDF:6418230.5/20

All: 0.007+/-0.000 χ^2/NDF: 10826391.4/39



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.213 χ^2/NDF:7.8/2

Left: 0.097+/-0.168 χ^2/NDF: 12.5/5

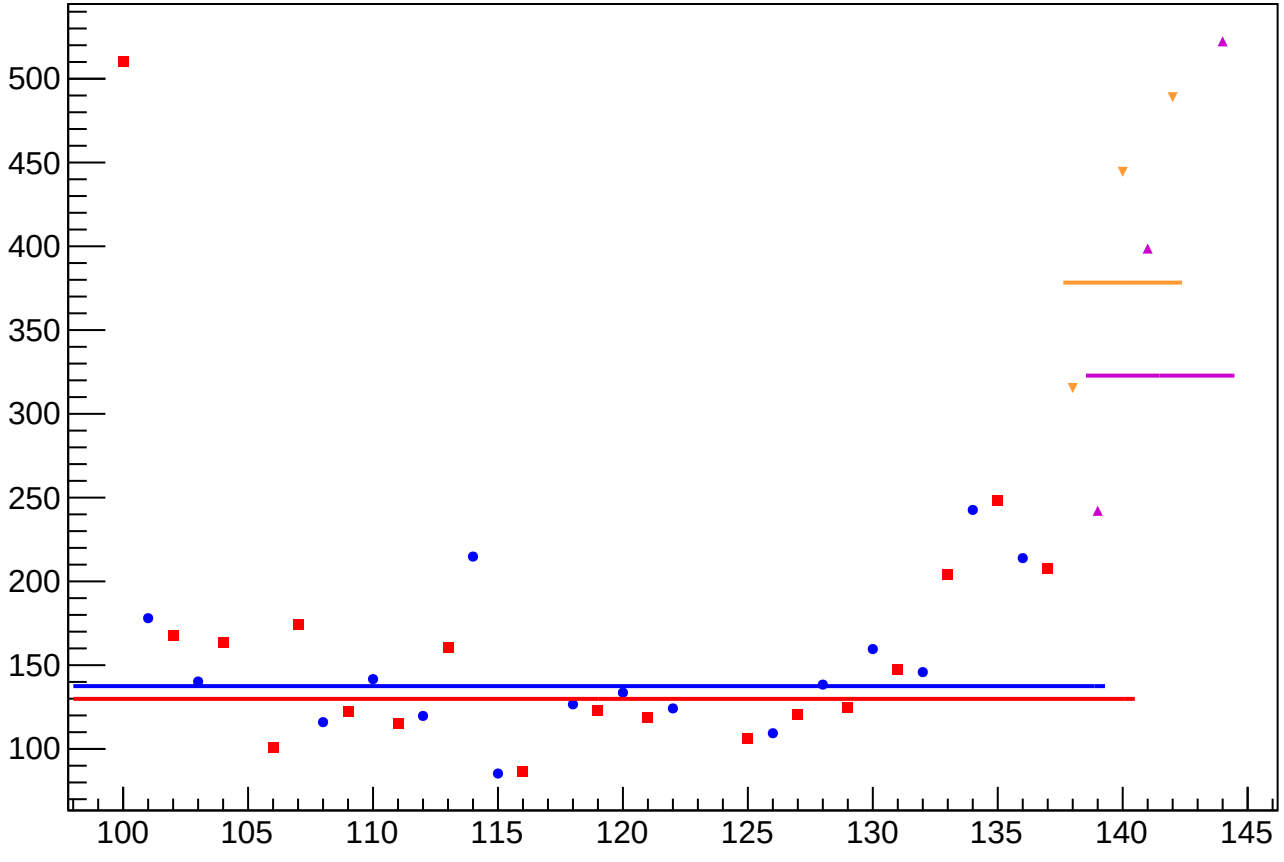
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.027+/-0.053 χ^2/NDF:24.1/18

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.019+/-0.037 χ^2/NDF: 55.8/39

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF:139704.2/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 322.821+/-0.151 χ^2/NDF:494742.9/2

Left: 343.880+/-0.119 χ^2/NDF: 685752.3/5

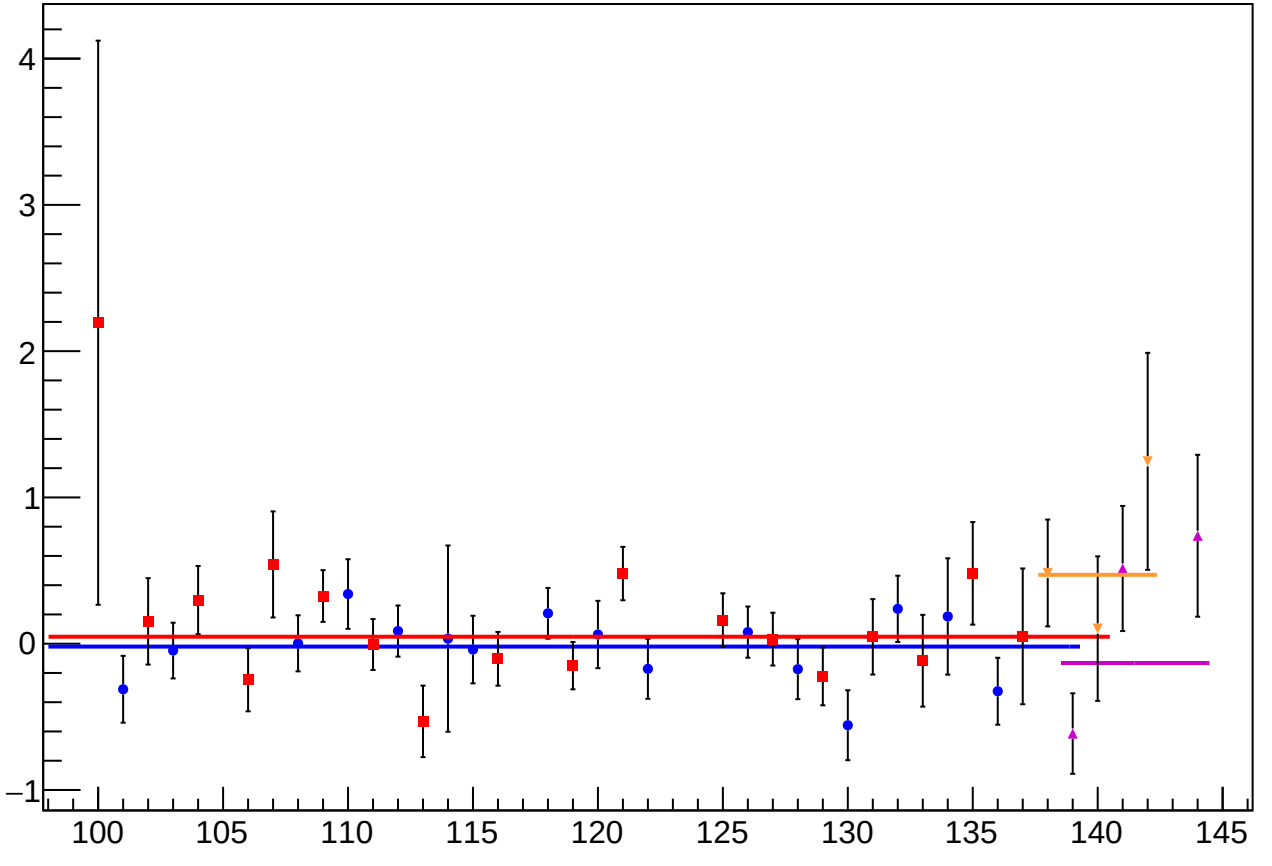
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 148.718+/-0.037 χ^2/NDF:2603763.4/18

Out: 138.743+/-0.036 χ^2/NDF:2570552.8/20

All: 143.636+/-0.026 χ^2/NDF: 5211043.0/39

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.213 χ^2/NDF:7.8/2

Left: 0.097+/-0.168 χ^2/NDF: 12.5/5

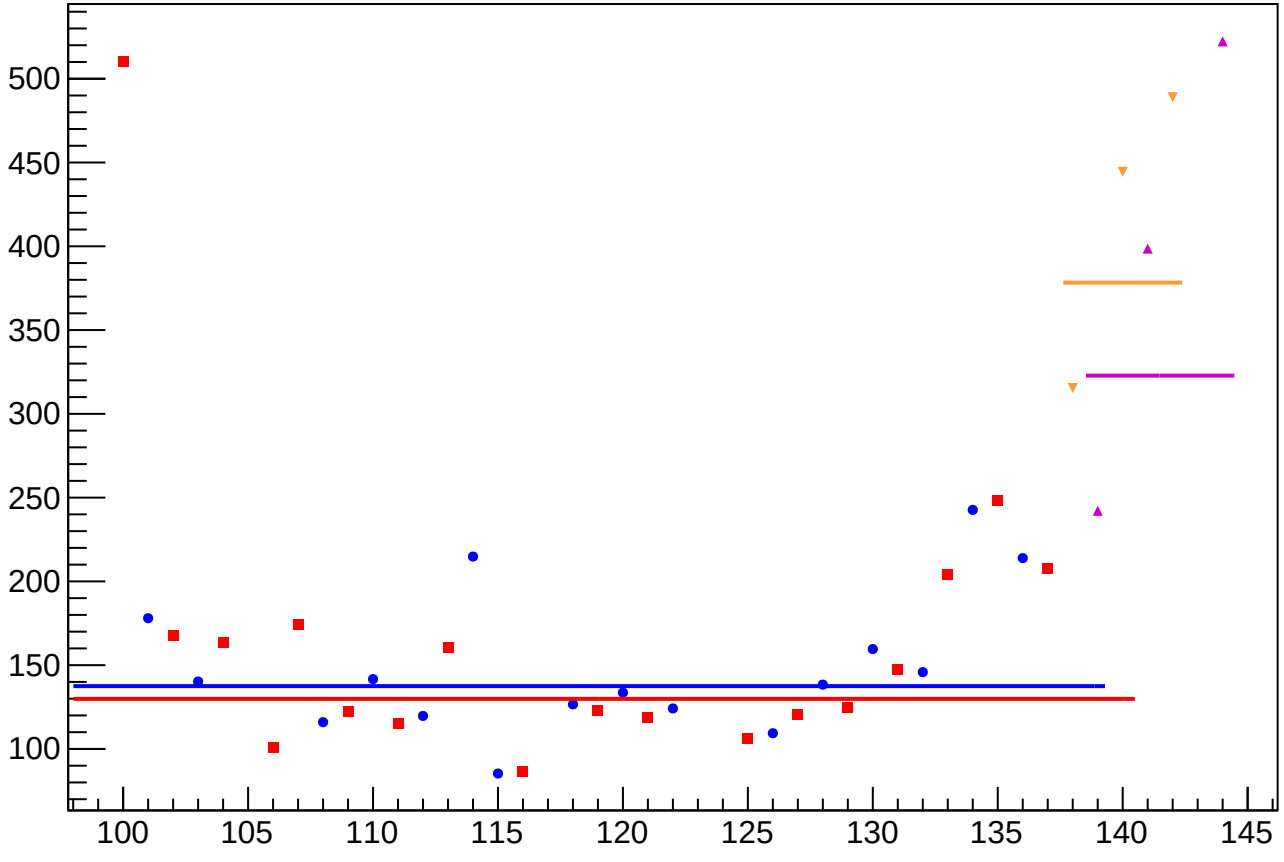
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.027+/-0.053 χ^2/NDF:24.1/18

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.019+/-0.037 χ^2/NDF: 55.8/39

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF:139704.2/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 322.821+/-0.151 χ^2/NDF:494742.9/2

Left: 343.880+/-0.119 χ^2/NDF: 685752.3/5

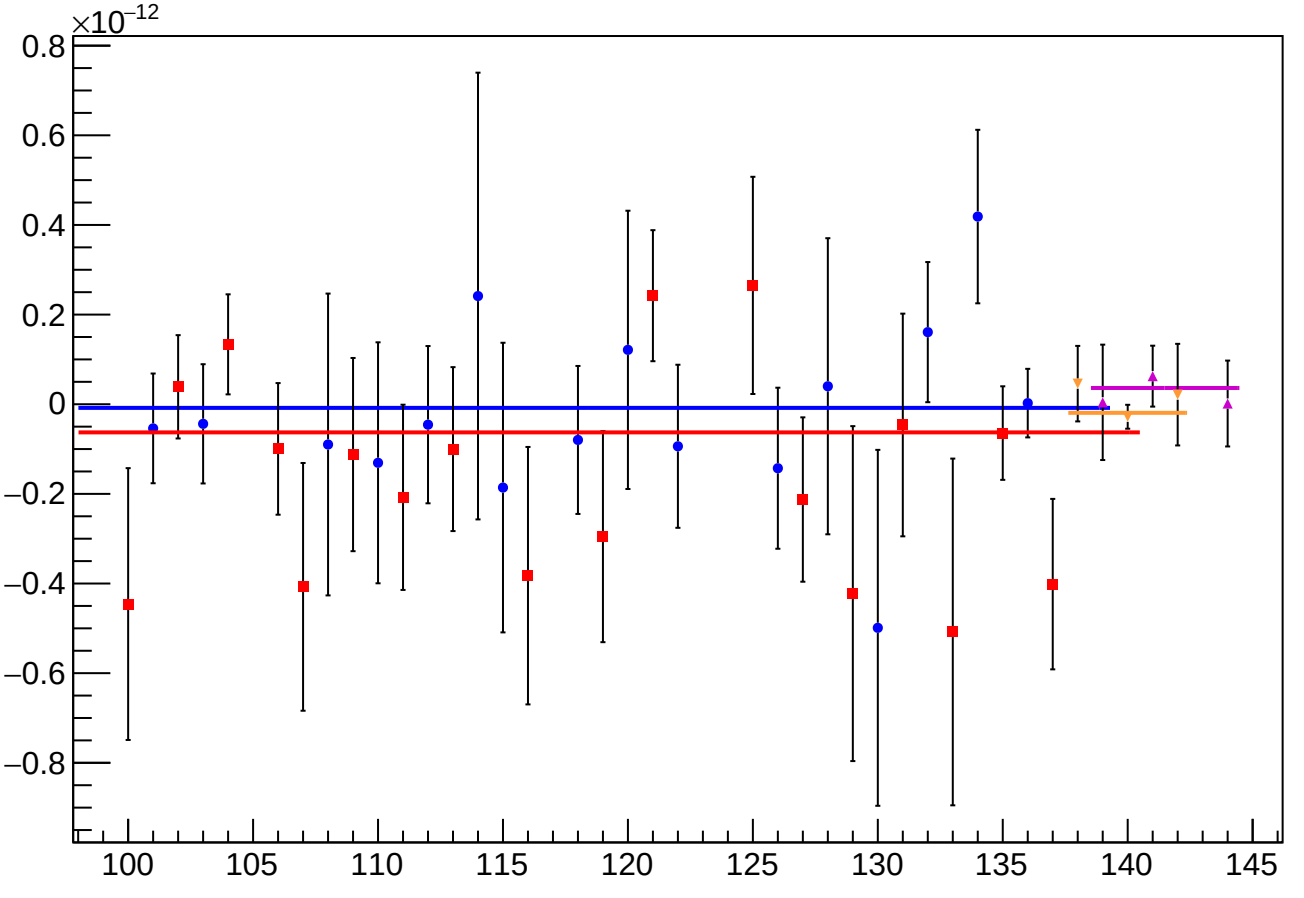
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 148.718+/-0.037 χ^2/NDF:2603763.4/18

Out: 138.743+/-0.036 χ^2/NDF:2570552.8/20

All: 143.636+/-0.026 χ^2/NDF: 5211043.0/39

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

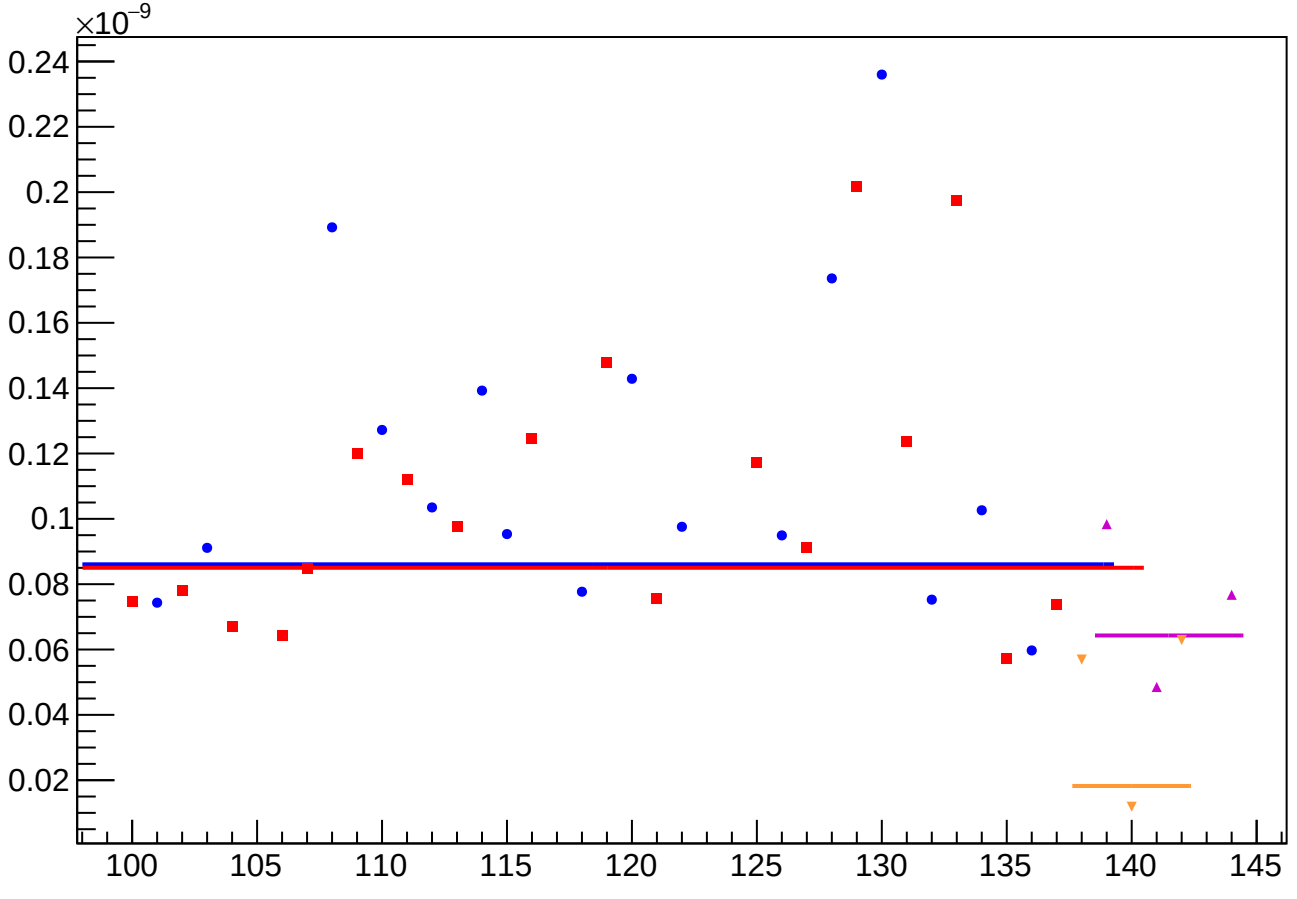
Left: -0.000+/-0.000 χ^2/NDF: 2.1/5

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: 0.000+/-0.000 χ^2/NDF:10.6/18

Out: -0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 35.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:846276.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:281753.7/2

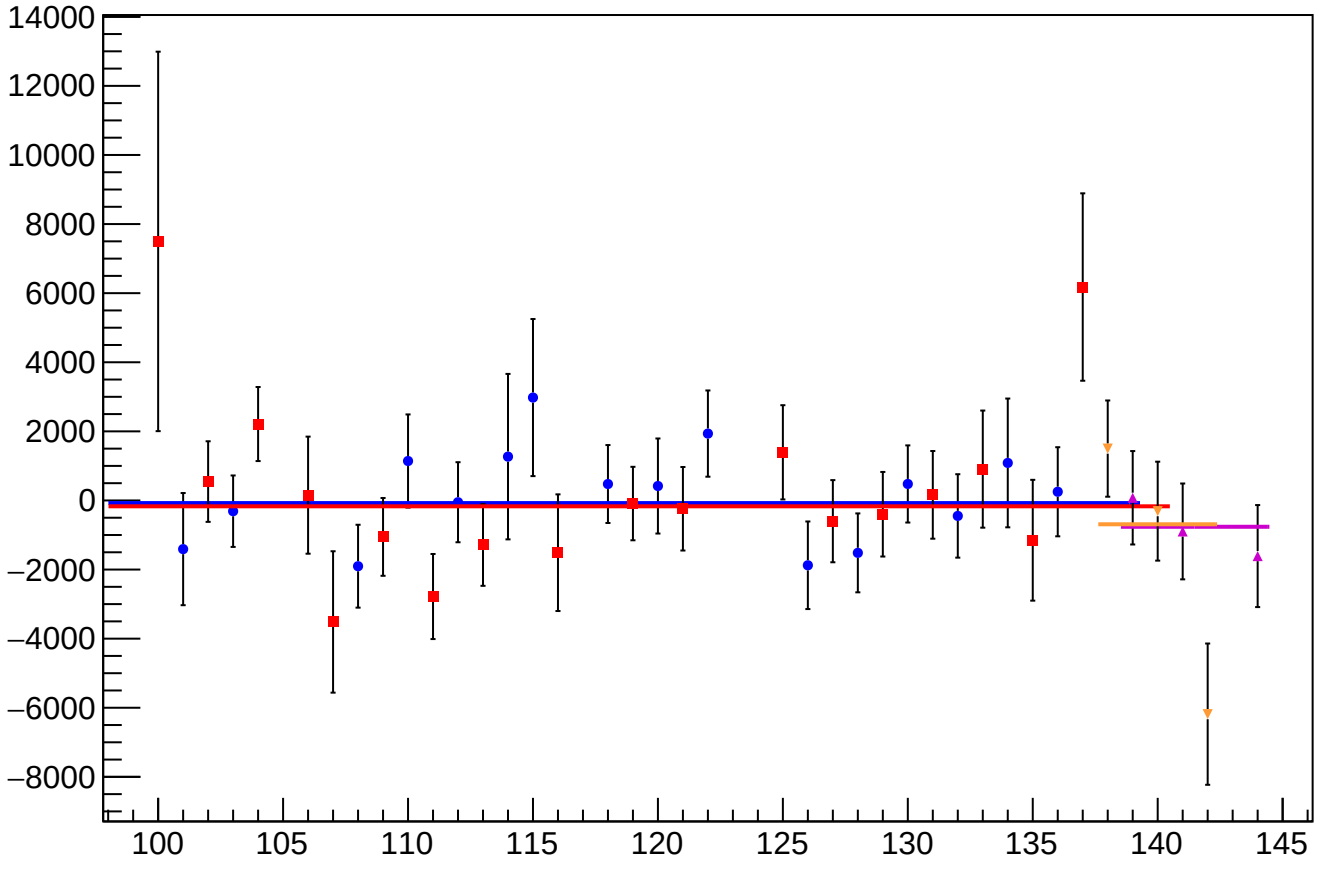
Left: 0.000+/-0.000 χ^2/NDF: 2451309.8/5

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1569641.5/18

Out: 0.000+/-0.000 χ^2/NDF:5613640.7/20

All: 0.000+/-0.000 χ^2/NDF: 9446839.8/39



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -689.693+/-897.152 χ^2/NDF:9.8/2

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -761.690+/-809.636 χ^2/NDF:0.7/2

Left: -729.373+/-601.064 χ^2/NDF: 10.5/5

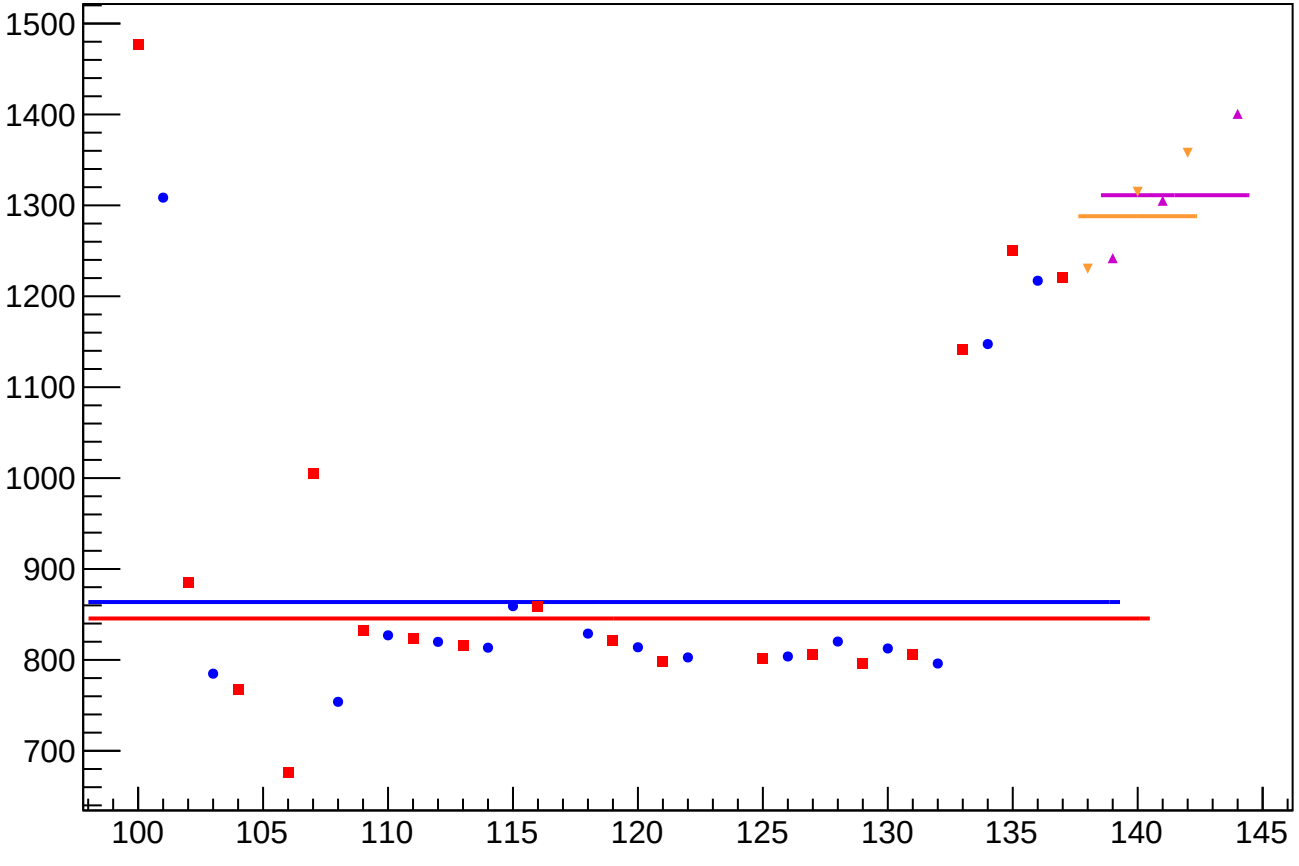
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -171.726+/-302.587 χ^2/NDF:14.7/18

Out: -228.670+/-302.926 χ^2/NDF:34.4/20

All: -200.166+/-214.081 χ^2/NDF: 49.2/39

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

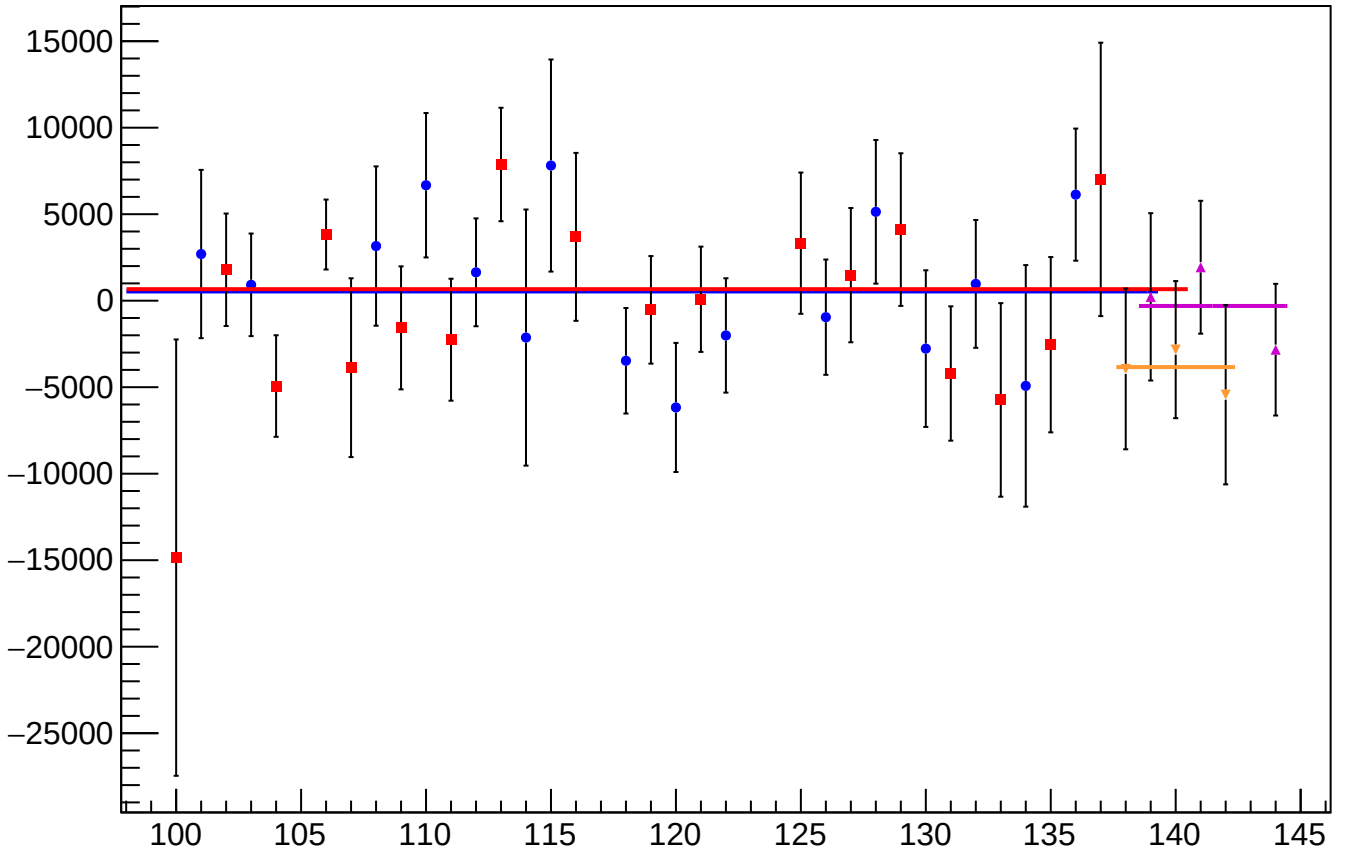
Left: 1300.803+/-0.425 χ^2/NDF: 19836.7/5

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 926.168+/-0.214 χ^2/NDF:945826.9/18

Out: 894.926+/-0.212 χ^2/NDF:746500.9/20

All: 910.392+/-0.151 χ^2/NDF: 1703094.5/39



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3837.763+/-2606.087 χ^2/NDF:0.2/2

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -304.894+/-2359.763 χ^2/NDF:0.8/2

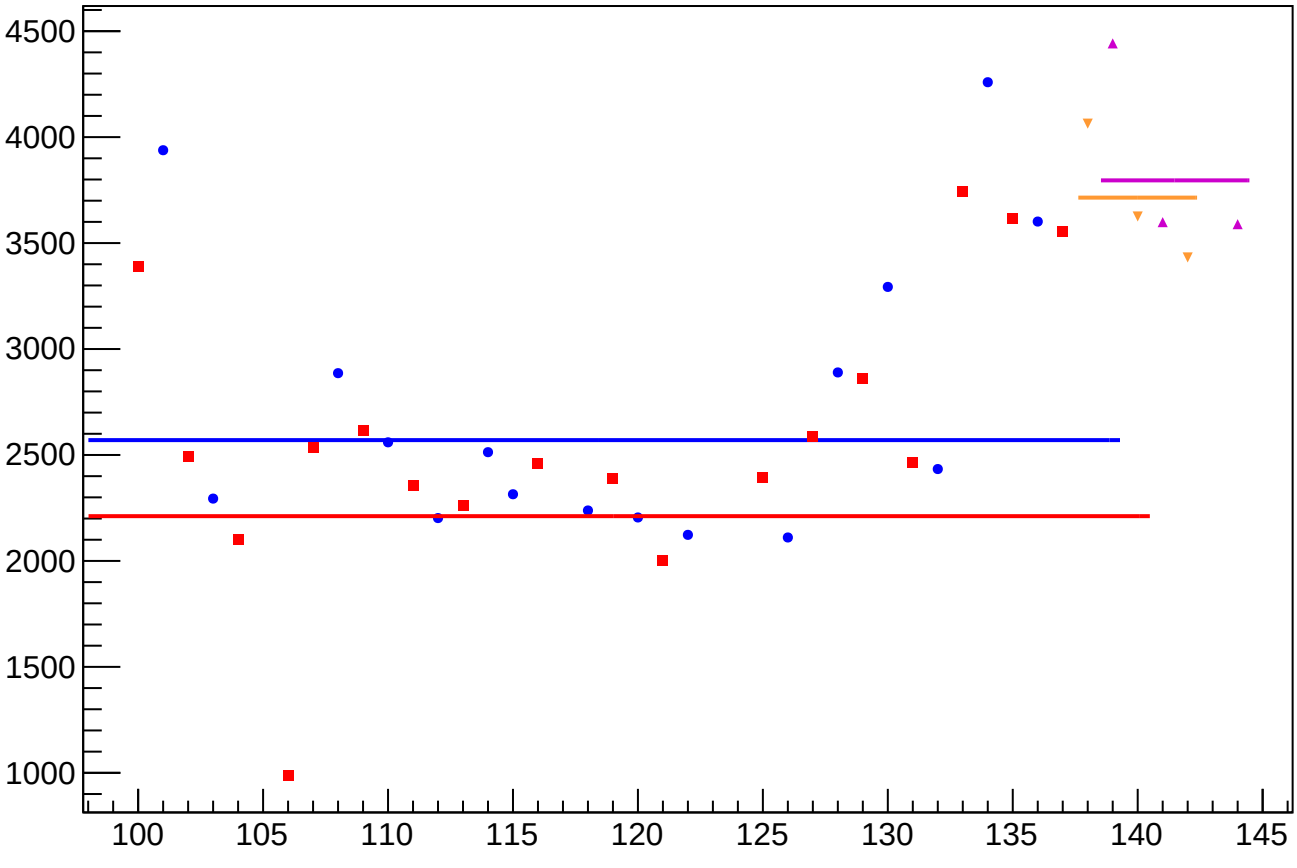
Left: -1896.516+/-1749.222 χ^2/NDF: 2.0/5

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 410.754+/-906.071 χ^2/NDF:15.6/18

Out: 218.986+/-820.934 χ^2/NDF:22.8/20

All: 305.439+/-608.366 χ^2/NDF: 38.4/39



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3714.528+/-1.843 χ^2/NDF:18230.3/2

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3795.919+/-1.669 χ^2/NDF:46894.3/2

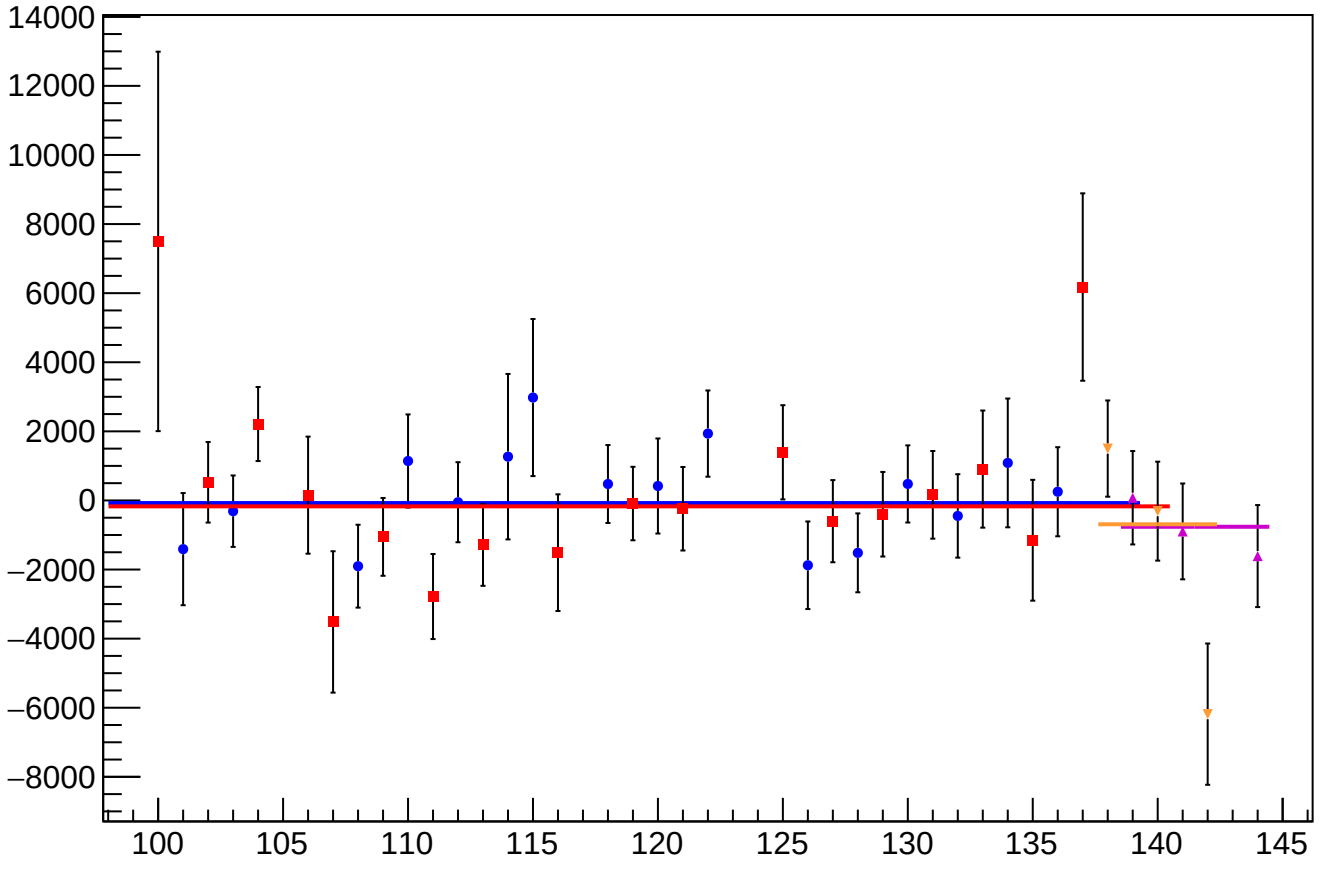
Left: 3759.251+/-1.237 χ^2/NDF: 66196.4/5

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2750.853+/-0.641 χ^2/NDF:1169471.0/18

Out: 2360.436+/-0.580 χ^2/NDF:1881742.3/20

All: 2536.445+/-0.430 χ^2/NDF: 3255140.6/39



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -761.745+/-809.636 χ^2/NDF:0.7/2

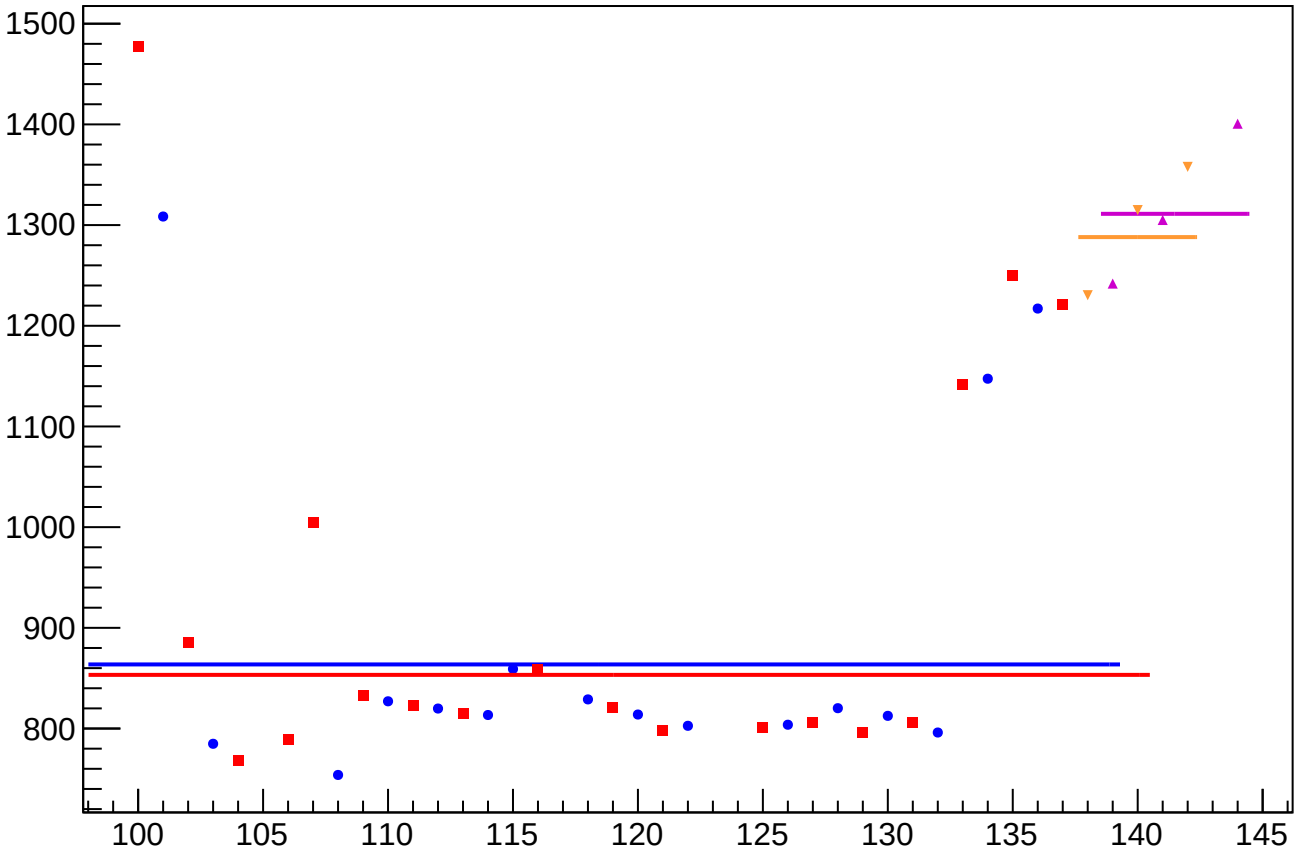
Left: -729.477+/-601.064 χ^2/NDF: 10.5/5

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -171.801+/-302.587 χ^2/NDF:14.7/18

Out: -230.141+/-302.930 χ^2/NDF:34.4/20

All: -200.938+/-214.083 χ^2/NDF: 49.1/39



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

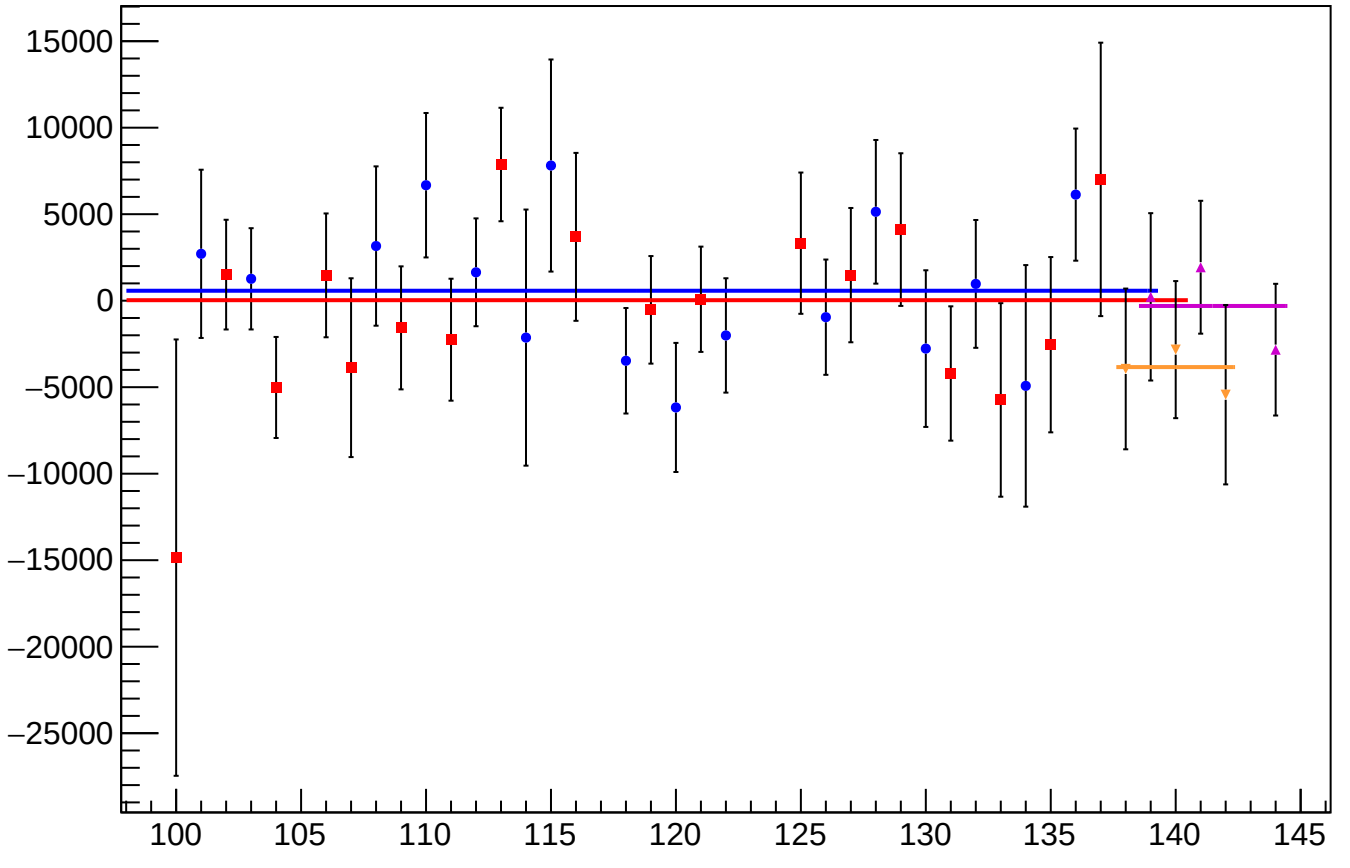
Left: 1300.803+/-0.425 χ^2/NDF: 19836.7/5

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 926.168+/-0.214 χ^2/NDF:945826.8/18

Out: 902.407+/-0.213 χ^2/NDF:698469.1/20

All: 914.246+/-0.151 χ^2/NDF: 1650483.9/39



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -304.883+/-2359.762 χ^2/NDF:0.8/2

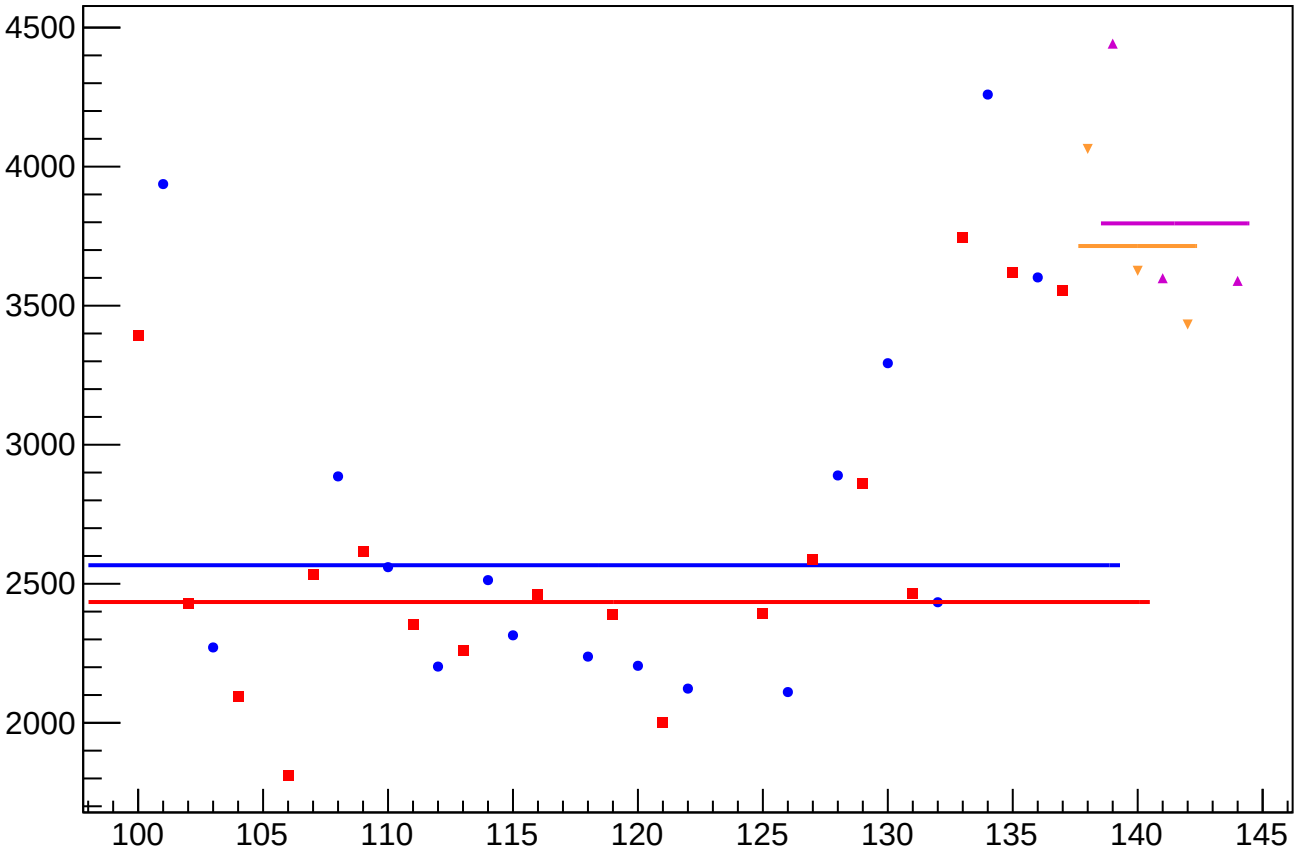
Left: -1896.633+/-1749.224 χ^2/NDF: 2.0/5

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 445.570+/-904.942 χ^2/NDF:15.6/18

Out: -401.623+/-869.303 χ^2/NDF:19.3/20

All: 4.963+/-626.911 χ^2/NDF: 35.4/39



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3795.918+/-1.669 χ^2/NDF:46893.5/2

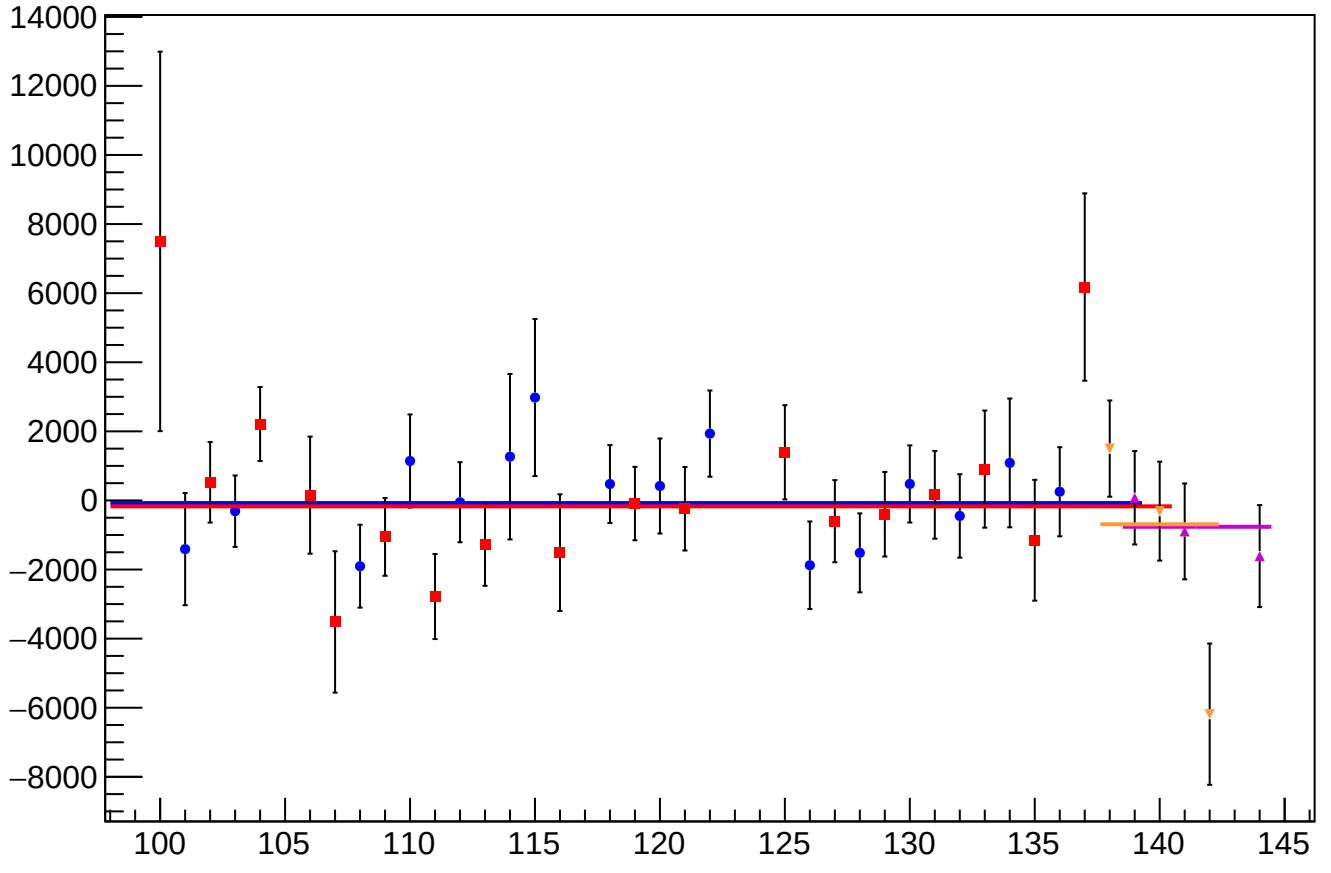
Left: 3759.254+/-1.237 χ^2/NDF: 66193.8/5

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2747.501+/-0.640 χ^2/NDF:1175620.4/18

Out: 2576.862+/-0.615 χ^2/NDF:881166.1/20

All: 2658.755+/-0.443 χ^2/NDF: 2093770.2/39



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -761.745+/-809.636 χ^2/NDF:0.7/2

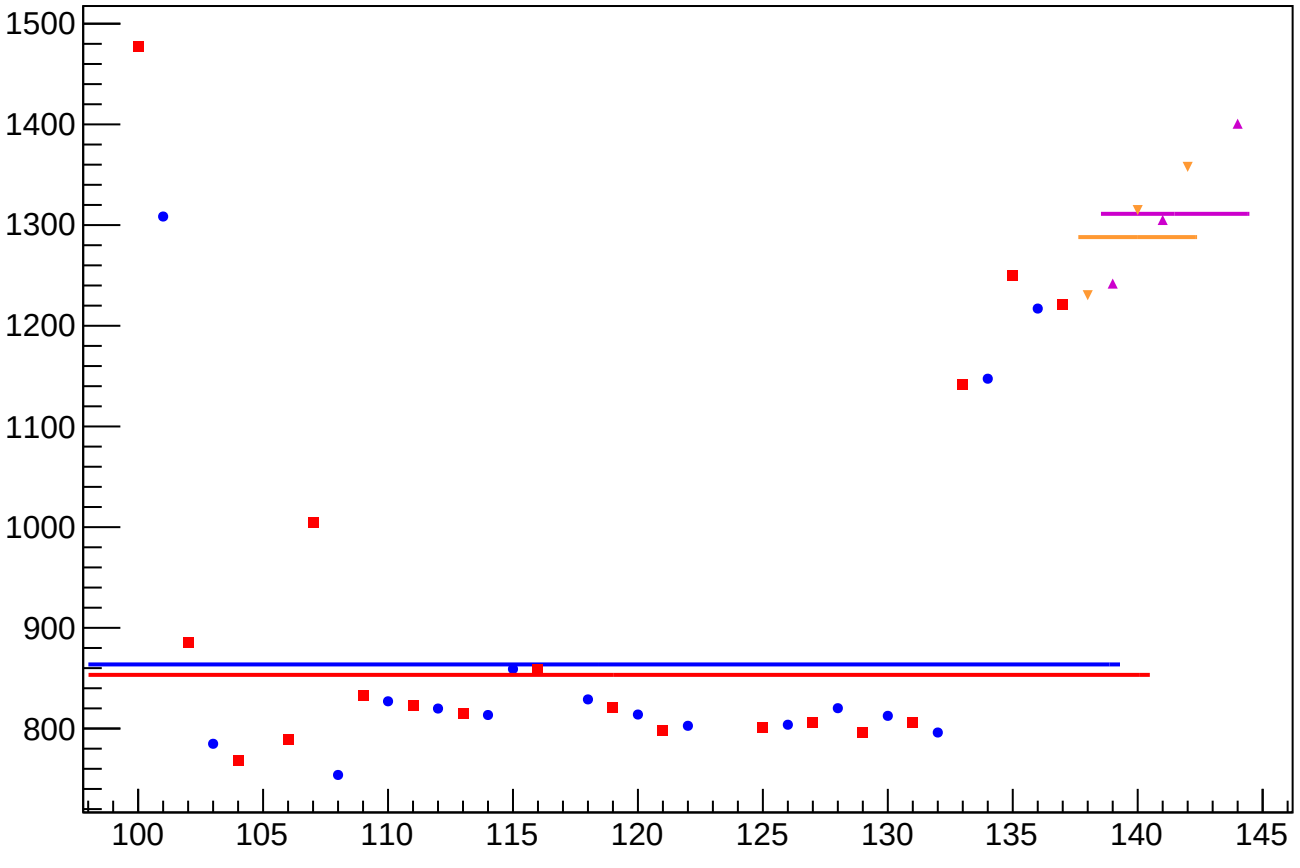
Left: -729.477+/-601.064 χ^2/NDF: 10.5/5

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -171.801+/-302.587 χ^2/NDF:14.7/18

Out: -230.141+/-302.930 χ^2/NDF:34.4/20

All: -200.938+/-214.083 χ^2/NDF: 49.1/39



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1311.176+/-0.572 χ^2/NDF:12640.7/2

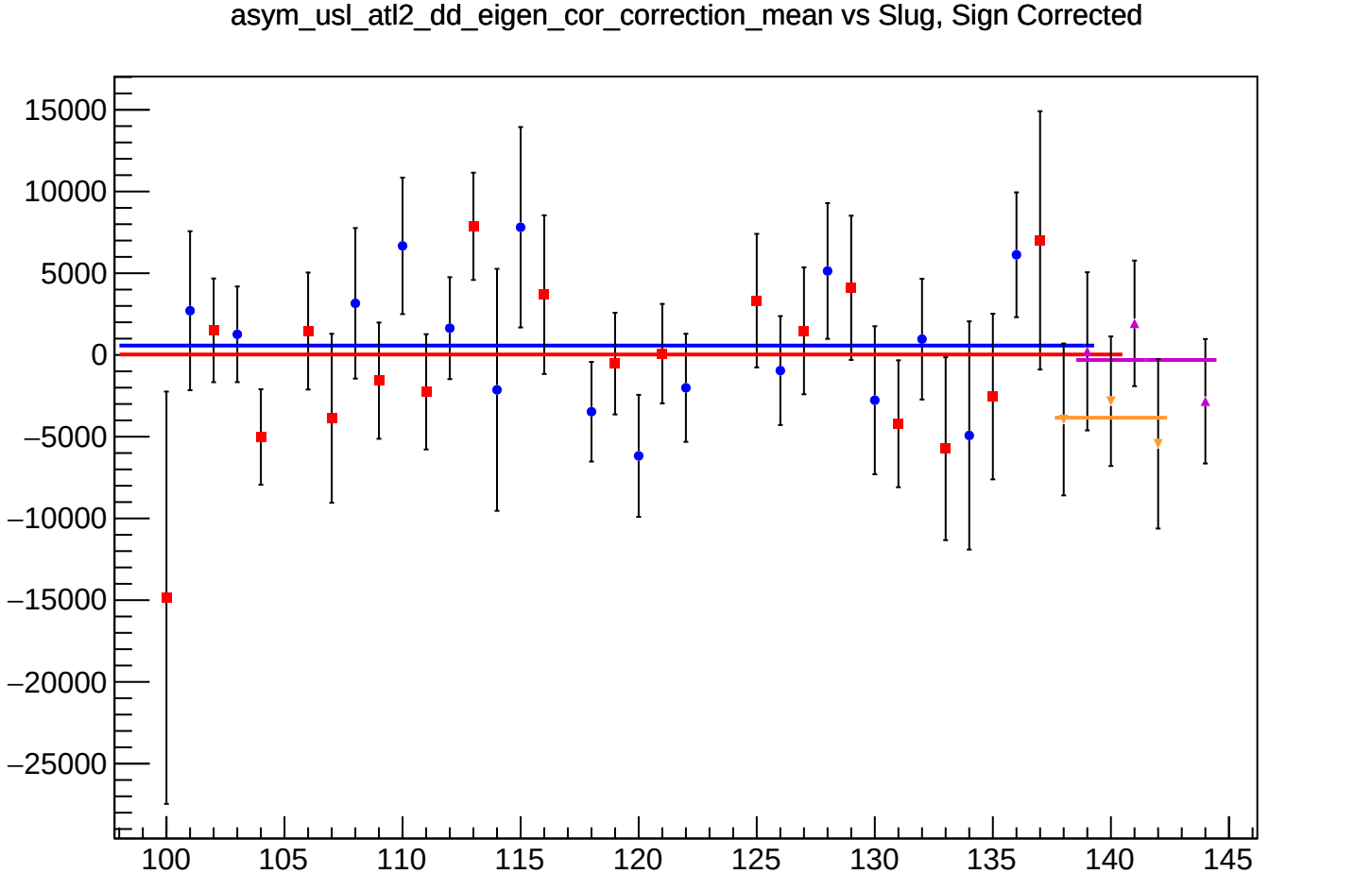
Left: 1300.803+/-0.425 χ^2/NDF: 19836.7/5

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 926.168+/-0.214 χ^2/NDF:945826.8/18

Out: 902.407+/-0.213 χ^2/NDF:698469.1/20

All: 914.246+/-0.151 χ^2/NDF: 1650483.9/39



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -304.883+/-2359.762 χ^2/NDF:0.8/2

Left: -1896.633+/-1749.224 χ^2/NDF: 2.0/5

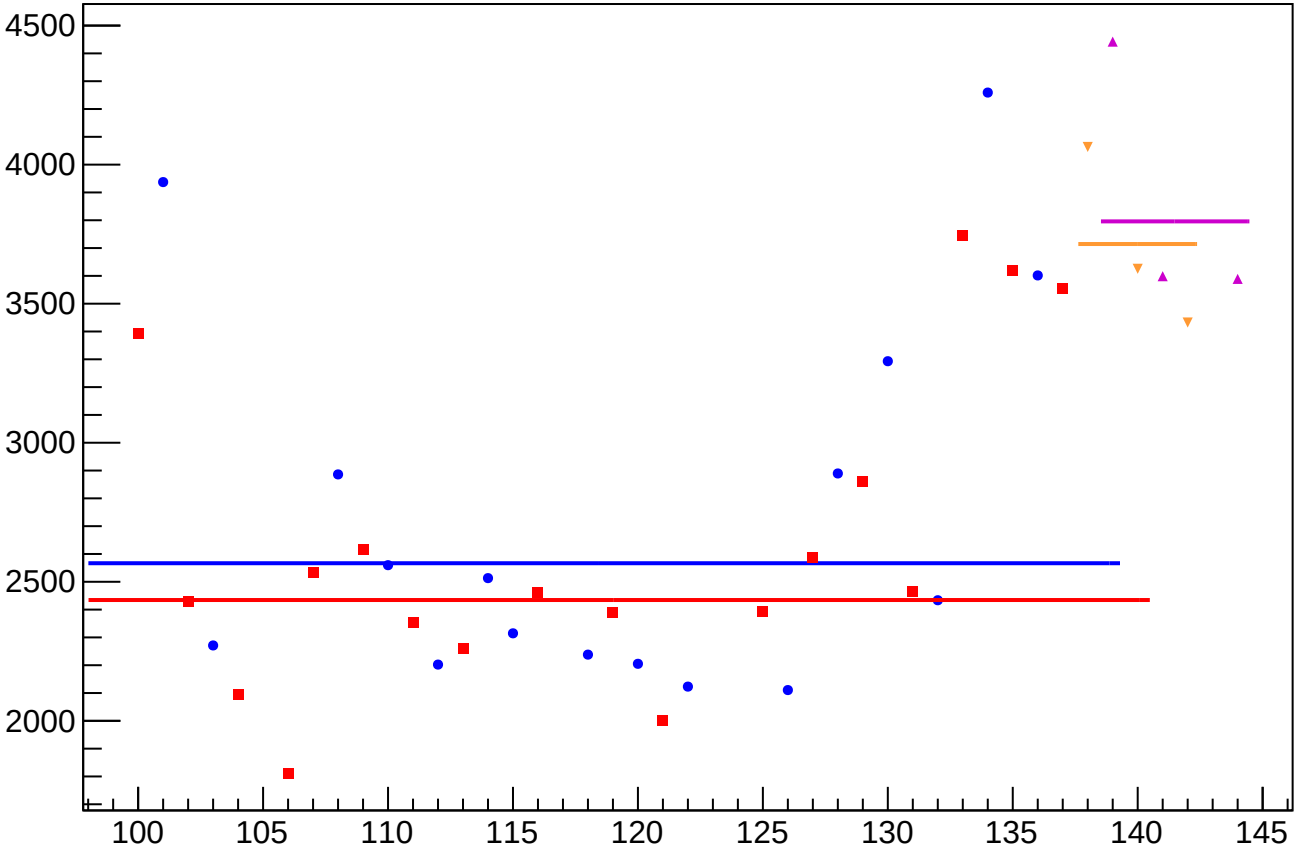
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 445.570+/-904.942 χ^2/NDF:15.6/18

Out: -401.623+/-869.303 χ^2/NDF:19.3/20

All: 4.963+/-626.911 χ^2/NDF: 35.4/39

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3795.918+/-1.669 χ^2/NDF:46893.5/2

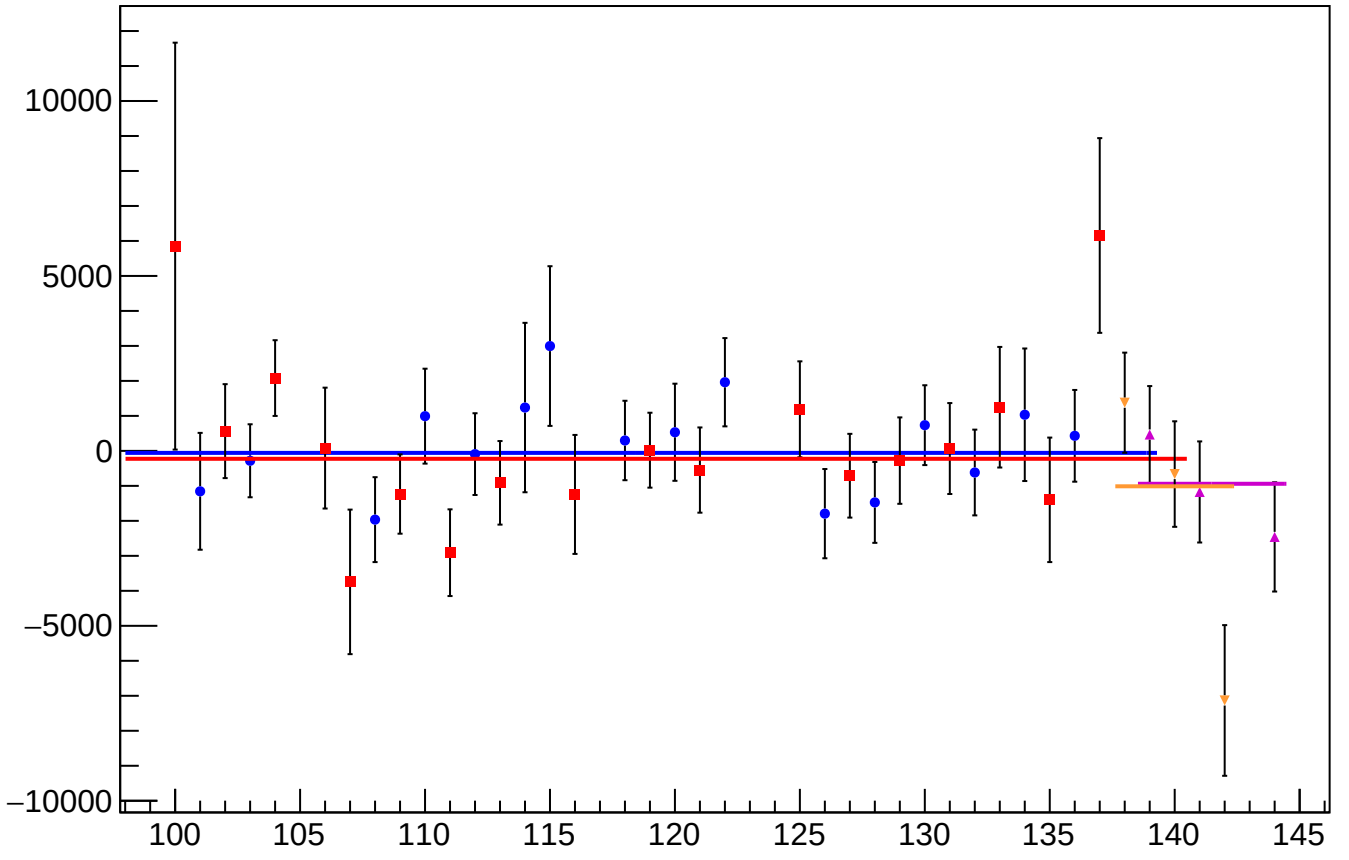
Left: 3759.254+/-1.237 χ^2/NDF: 66193.8/5

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2747.501+/-0.640 χ^2/NDF:1175620.4/18

Out: 2576.862+/-0.615 χ^2/NDF:881166.1/20

All: 2658.755+/-0.443 χ^2/NDF: 2093770.2/39



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1012.327+/-935.164 χ^2/NDF:10.9/2

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -940.348+/-841.841 χ^2/NDF:2.0/2

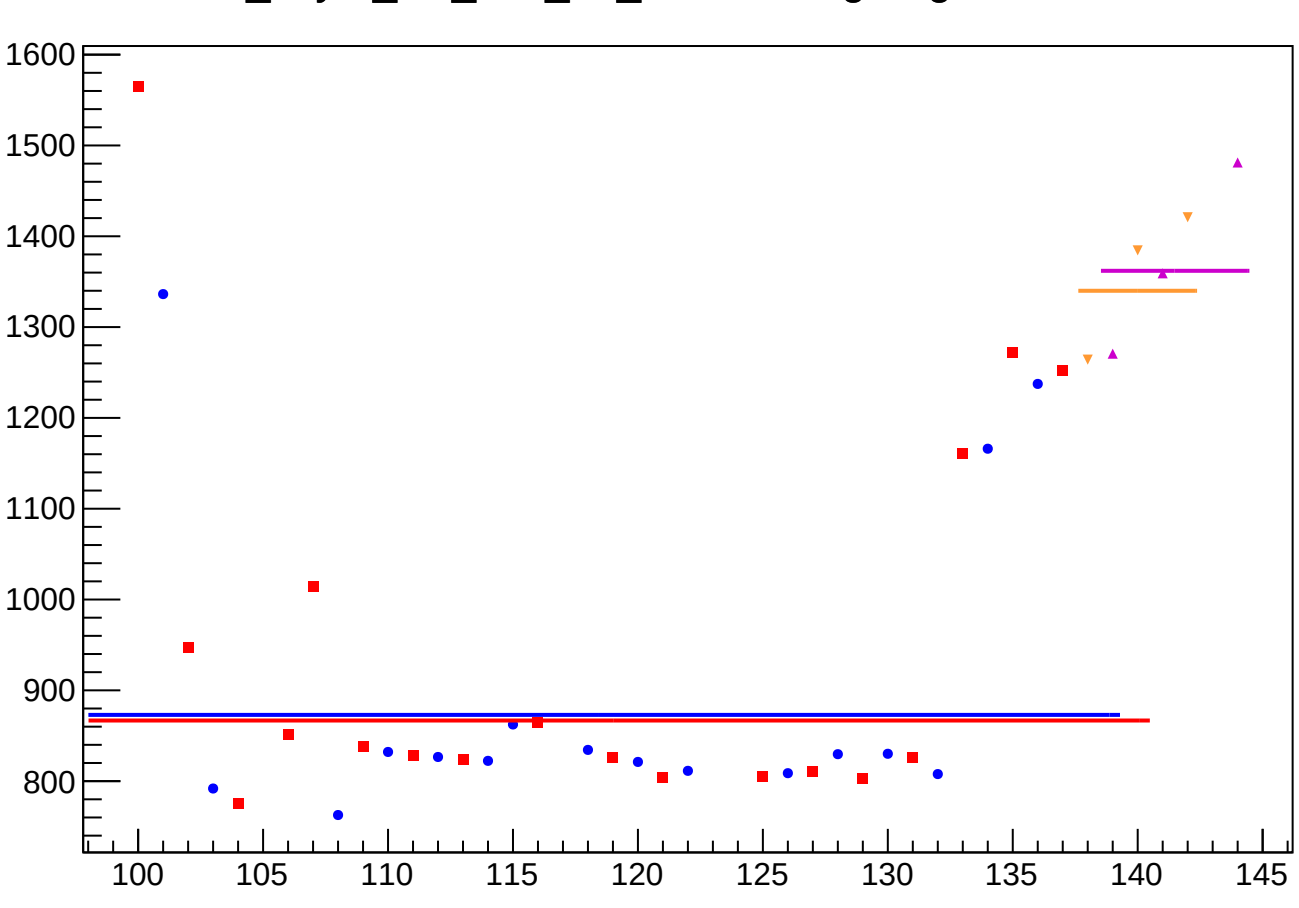
Left: -972.568+/-625.671 χ^2/NDF: 12.9/5

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -174.892+/-307.309 χ^2/NDF:15.9/18

Out: -312.235+/-309.572 χ^2/NDF:34.5/20

All: -243.060+/-218.096 χ^2/NDF: 50.5/39



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1339.983+/-0.661 χ^2/NDF:10180.7/2

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1361.970+/-0.595 χ^2/NDF:20370.1/2

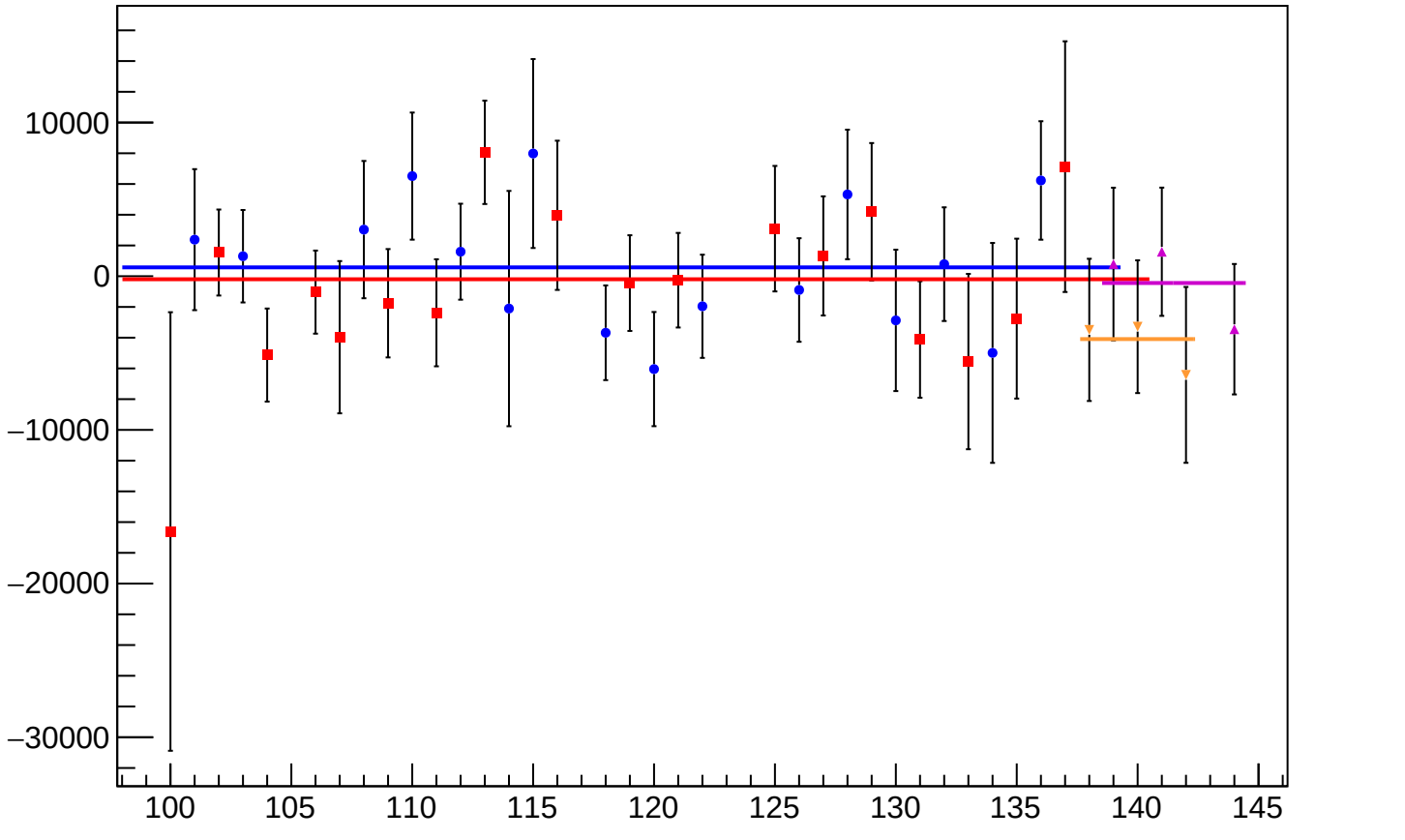
Left: 1352.128+/-0.442 χ^2/NDF: 31161.5/5

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 938.134+/-0.217 χ^2/NDF:1022361.3/18

Out: 918.537+/-0.219 χ^2/NDF:756658.4/20

All: 928.399+/-0.154 χ^2/NDF: 1783060.0/39



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -4091.382+/-2764.309 χ^2/NDF:0.2/2

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -442.091+/-2552.182 χ^2/NDF:0.8/2

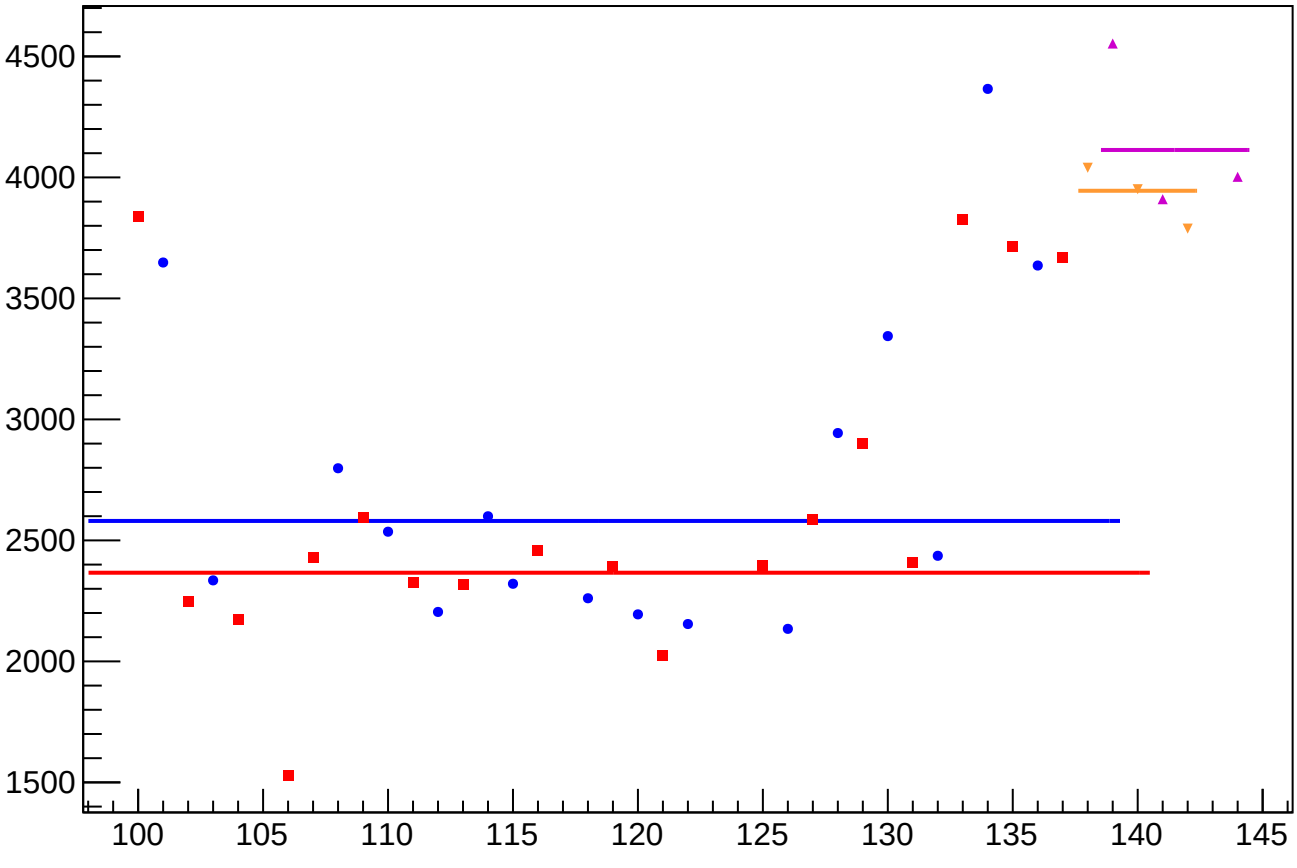
Left: -2121.362+/-1875.179 χ^2/NDF: 2.0/5

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 443.404+/-918.845 χ^2/NDF:15.6/18

Out: -566.709+/-850.726 χ^2/NDF:19.2/20

All: -100.479+/-624.248 χ^2/NDF: 35.5/39



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3944.805+/-1.955 χ^2/NDF:2345.2/2

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4113.364+/-1.805 χ^2/NDF:21809.7/2

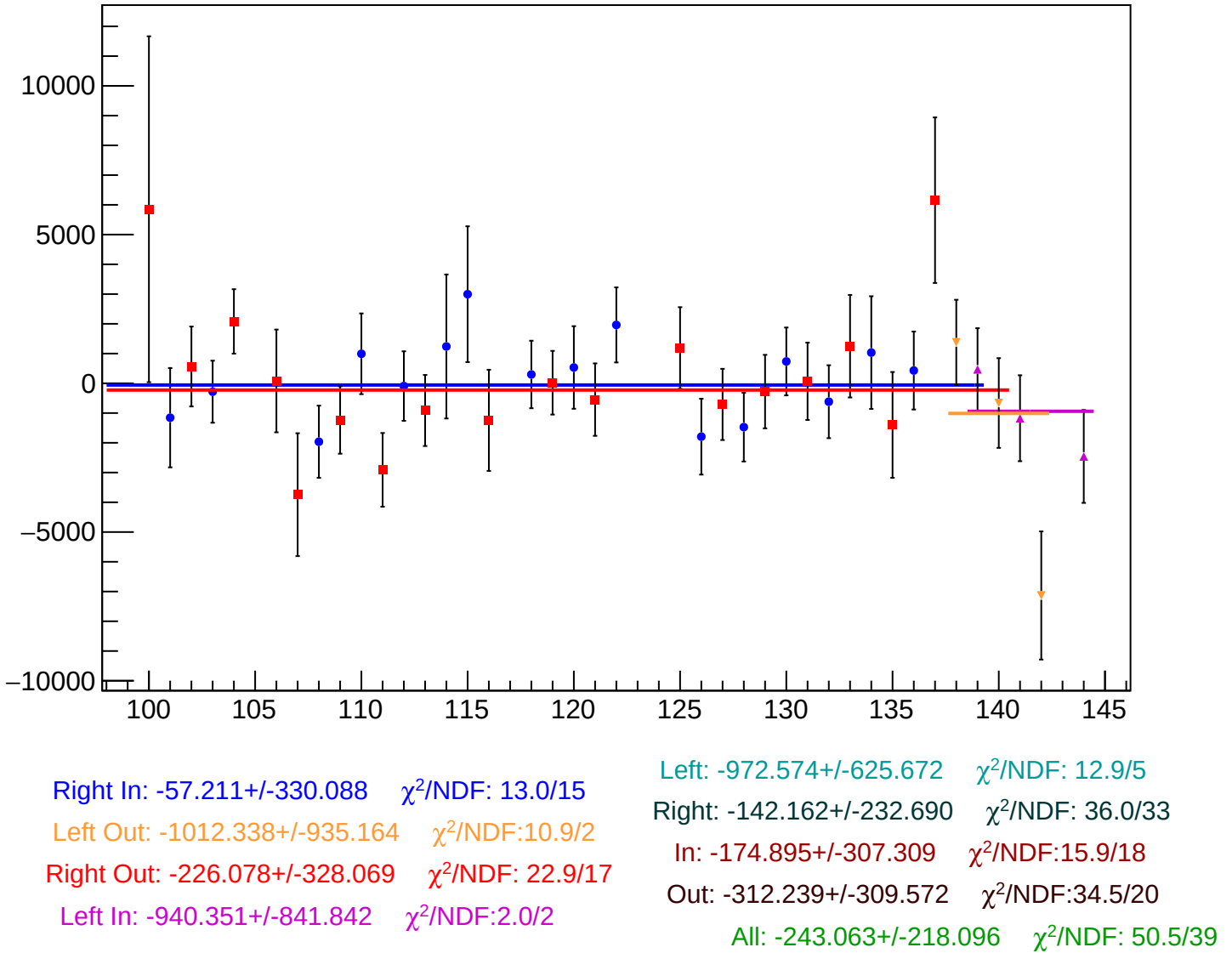
Left: 4035.799+/-1.326 χ^2/NDF: 28169.3/5

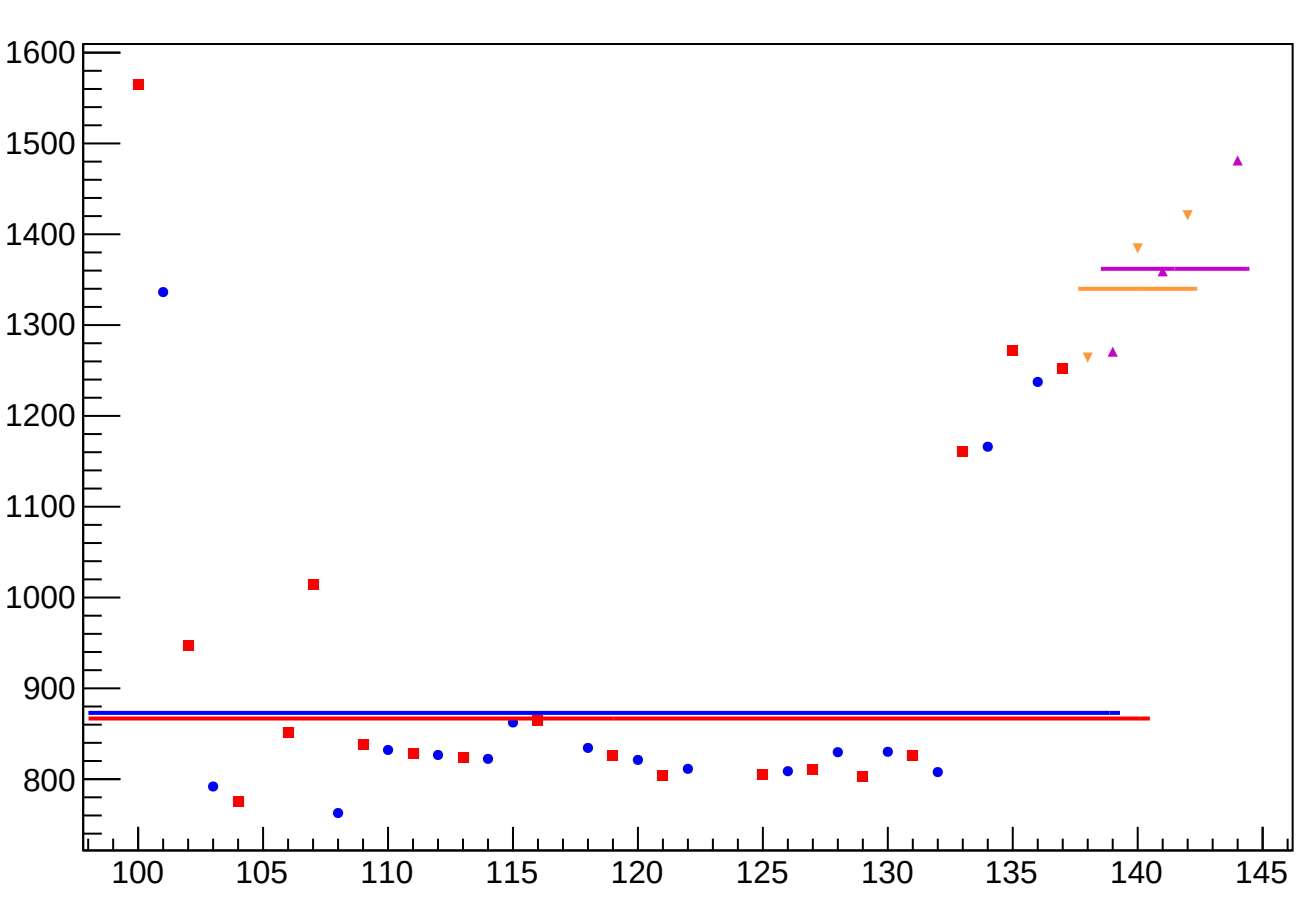
Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2779.078+/-0.650 χ^2/NDF:1267016.1/18

Out: 2515.905+/-0.602 χ^2/NDF:1204341.1/20

All: 2637.376+/-0.441 χ^2/NDF: 2559697.9/39


eigen_dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -57.211+/-330.088 χ²/NDF: 13.0/15
Left Out: -1012.338+/-935.164 χ²/NDF:10.9/2
Right Out: -226.078+/-328.069 χ²/NDF: 22.9/17
Left In: -940.351+/-841.842 χ²/NDF:2.0/2
Left: -972.574+/-625.672 χ²/NDF: 12.9/5
Right: -142.162+/-232.690 χ²/NDF: 36.0/33
In: -174.895+/-307.309 χ²/NDF:15.9/18
Out: -312.239+/-309.572 χ²/NDF:34.5/20
All: -243.063+/-218.096 χ²/NDF: 50.5/39



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1339.984+/-0.661 χ^2/NDF:10181.0/2

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1361.972+/-0.595 χ^2/NDF:20370.3/2

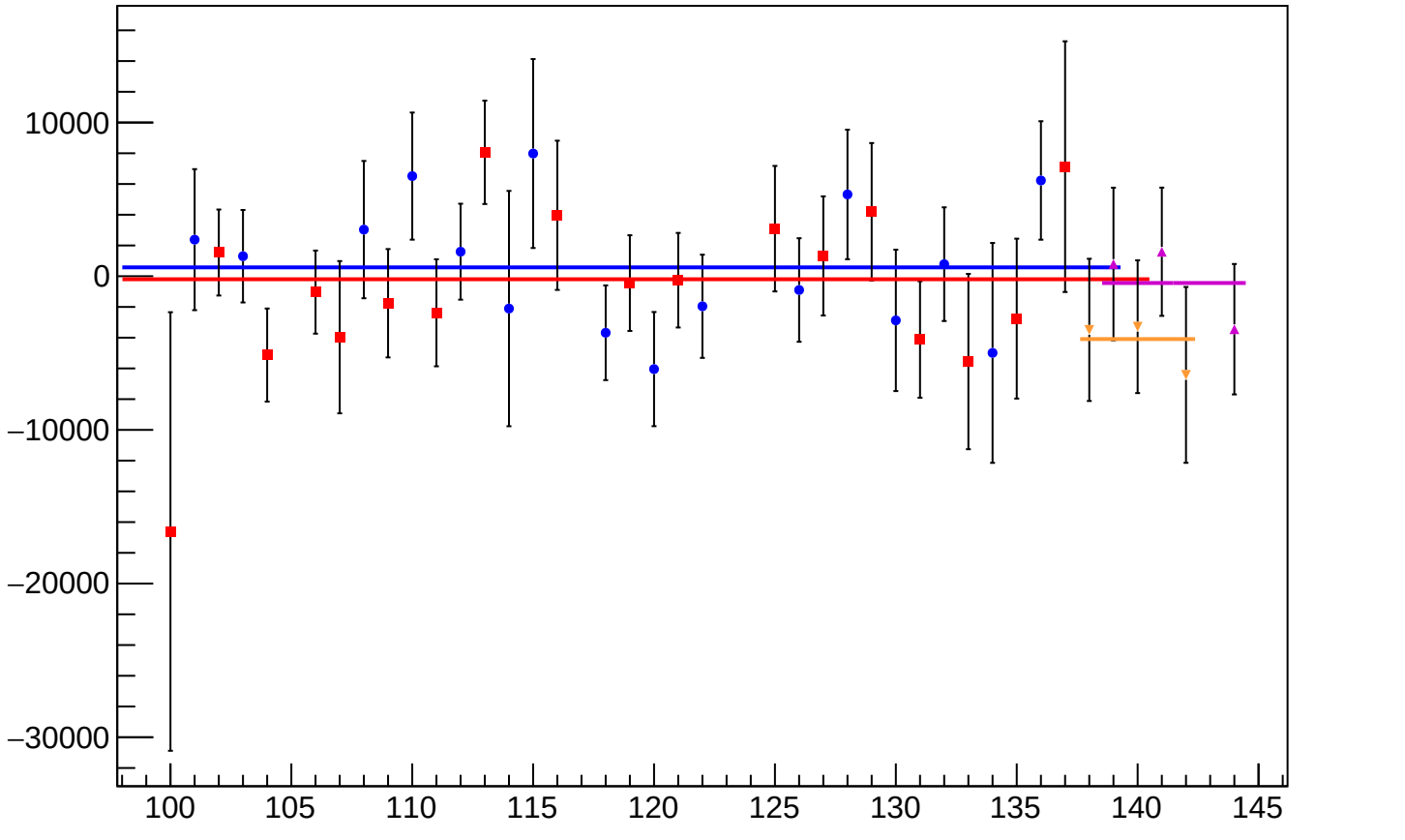
Left: 1352.130+/-0.442 χ^2/NDF: 31162.0/5

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 938.134+/-0.217 χ^2/NDF:1022363.8/18

Out: 918.537+/-0.219 χ^2/NDF:756660.2/20

All: 928.399+/-0.154 χ^2/NDF: 1783064.3/39



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -4091.402+/-2764.318 χ^2/NDF:0.2/2

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -442.093+/-2552.188 χ^2/NDF:0.8/2

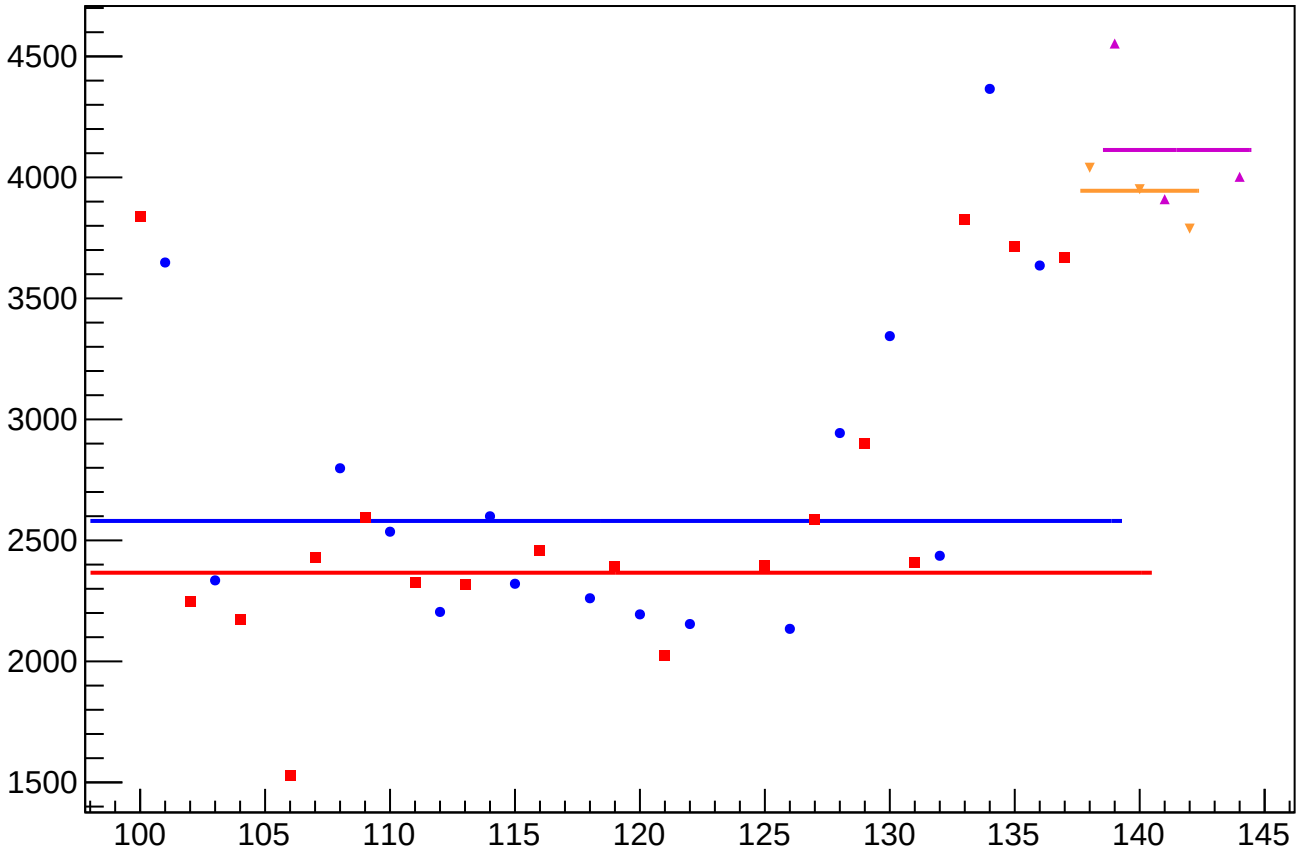
Left: -2121.371+/-1875.184 χ^2/NDF: 2.0/5

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 443.401+/-918.843 χ^2/NDF:15.6/18

Out: -566.708+/-850.724 χ^2/NDF:19.2/20

All: -100.480+/-624.247 χ^2/NDF: 35.5/39



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3944.816+/-1.955 χ^2/NDF:2345.2/2

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4113.374+/-1.805 χ^2/NDF:21810.3/2

Left: 4035.810+/-1.326 χ^2/NDF: 28169.9/5

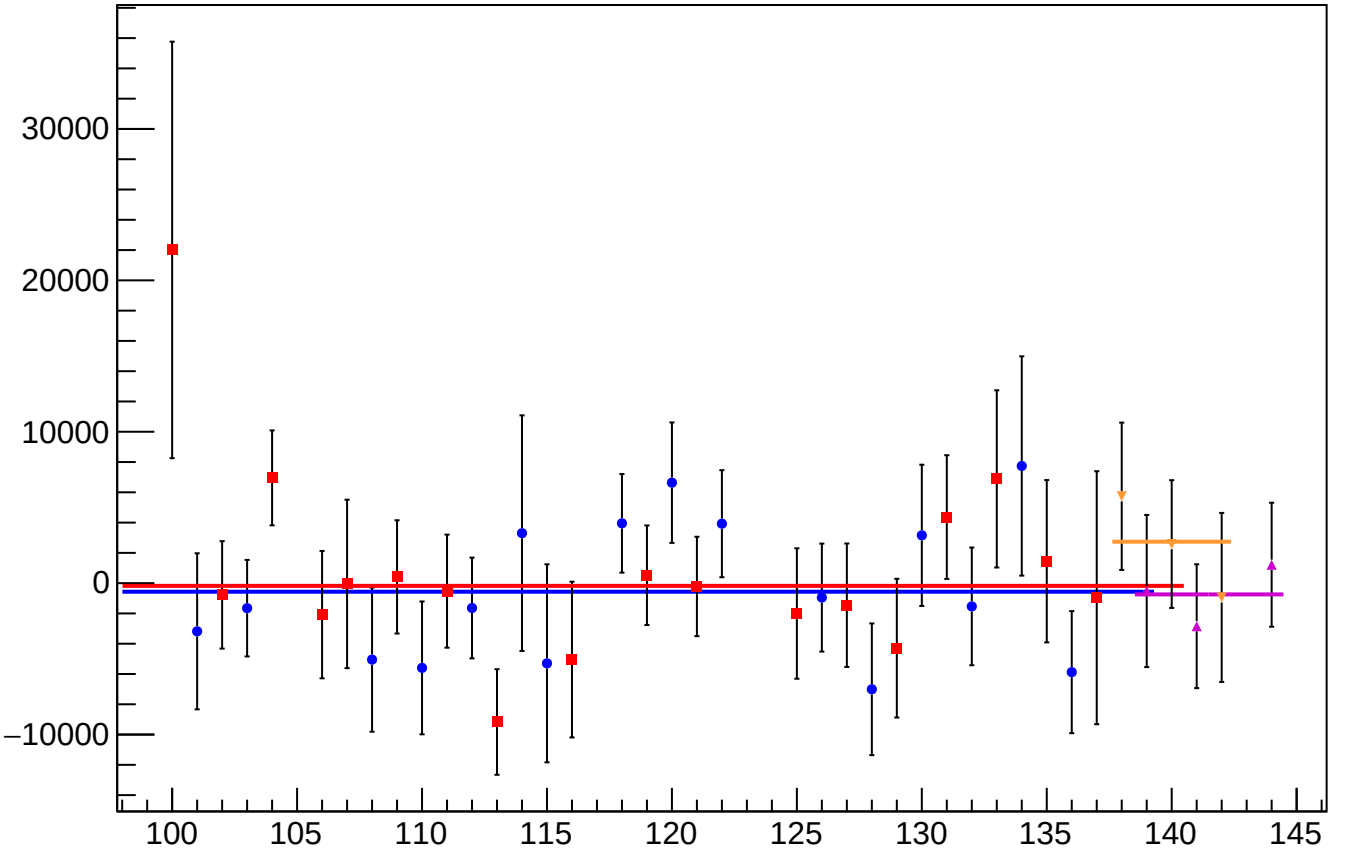
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2779.070+/-0.650 χ^2/NDF:1267036.7/18

Out: 2515.899+/-0.602 χ^2/NDF:1204355.7/20

All: 2637.369+/-0.441 χ^2/NDF: 2559732.8/39

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2736.747+/-2767.981 χ^2/NDF:0.8/2

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -743.065+/-2507.860 χ^2/NDF:0.5/2

Left: 825.688+/-1858.500 χ^2/NDF: 2.2/5

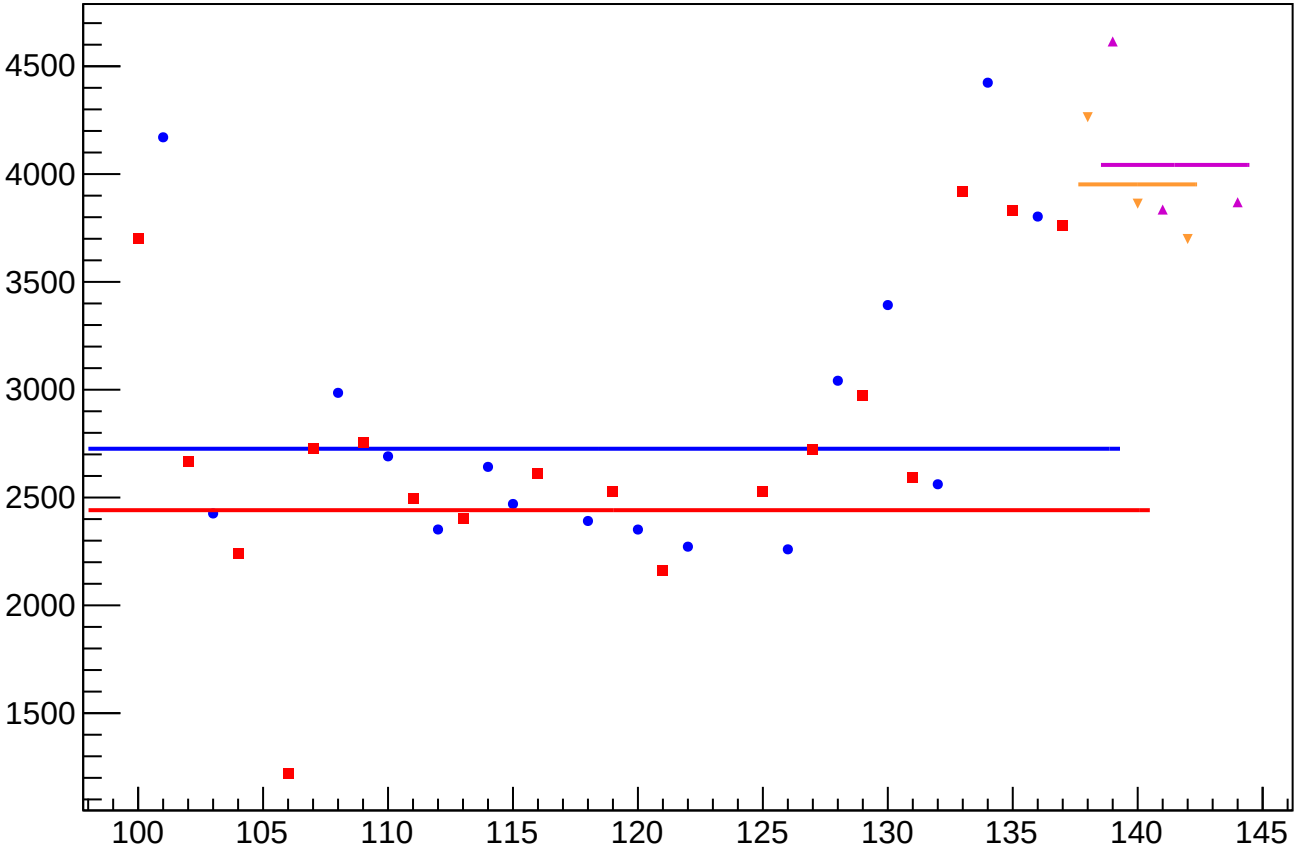
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -592.078+/-960.918 χ^2/NDF:16.7/18

Out: 151.101+/-930.829 χ^2/NDF:21.3/20

All: -208.671+/-668.580 χ^2/NDF: 38.3/39

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3952.189+/-1.957 χ^2/NDF:13214.6/2

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4042.500+/-1.773 χ^2/NDF:34669.8/2

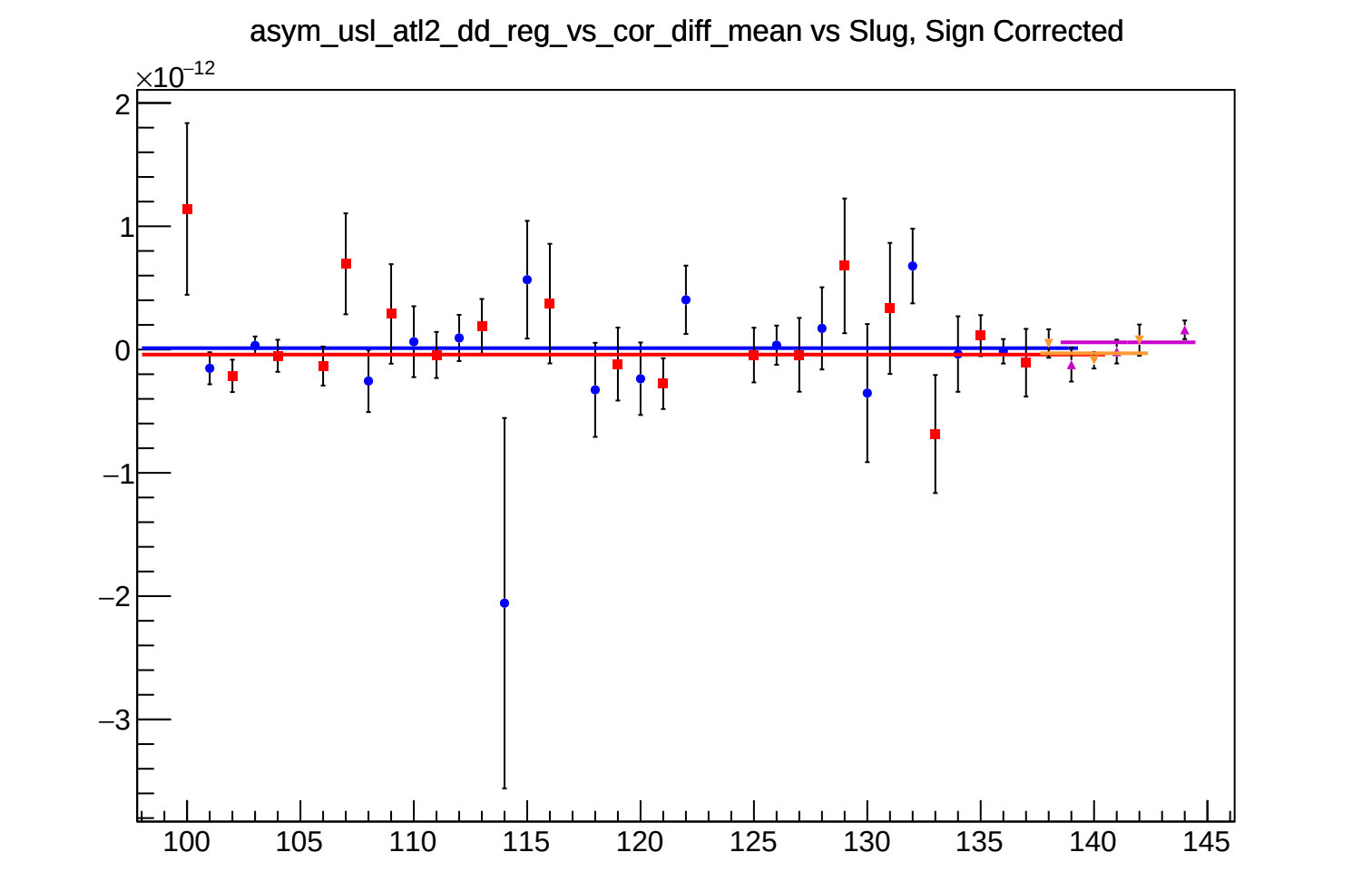
Left: 4001.786+/-1.314 χ^2/NDF: 49053.7/5

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2919.477+/-0.679 χ^2/NDF:1127813.0/18

Out: 2598.539+/-0.631 χ^2/NDF:1438204.3/20

All: 2747.228+/-0.462 χ^2/NDF: 2685756.1/39



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/2

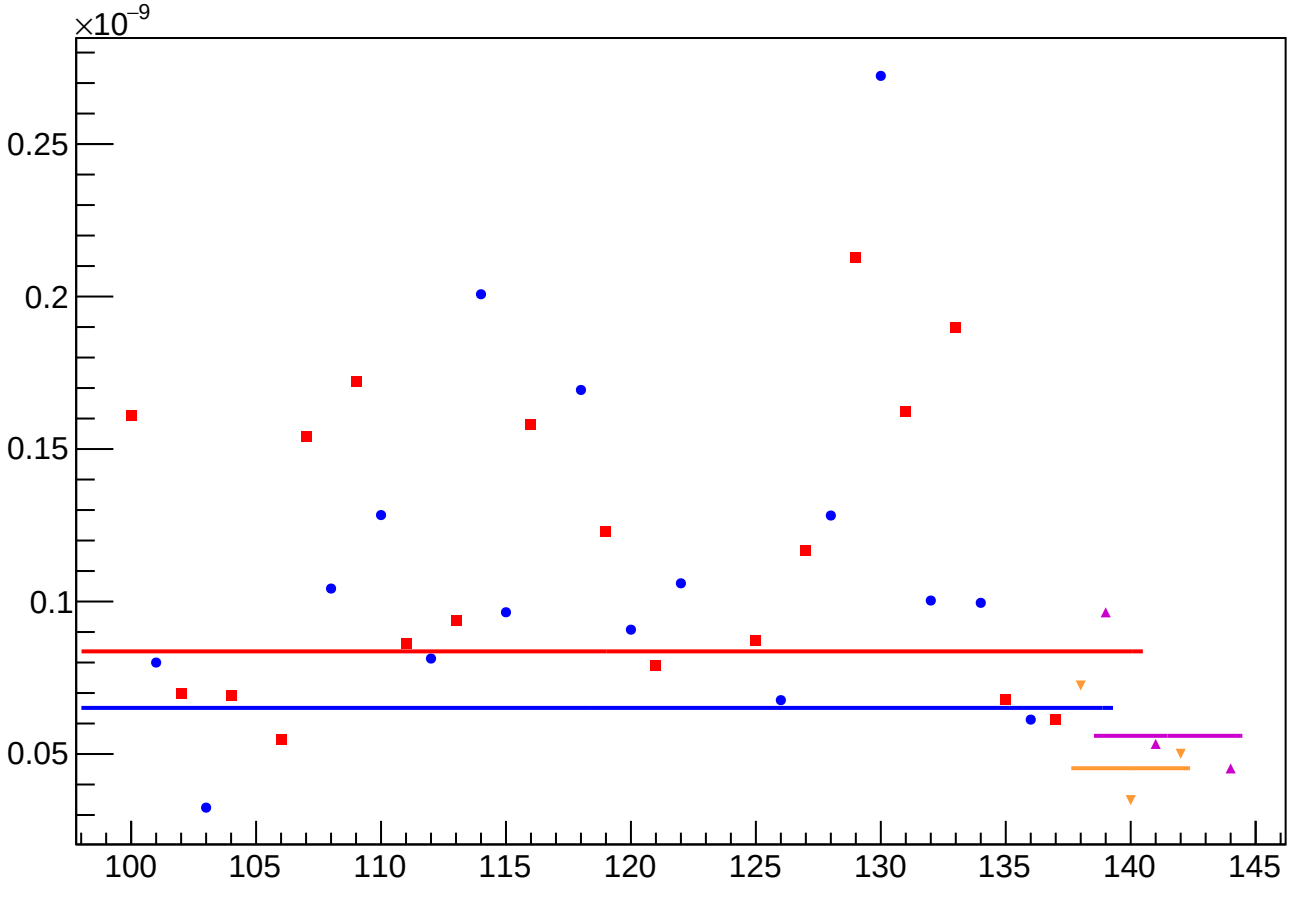
Left: 0.000+/-0.000 χ^2/NDF: 7.4/5

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:19.9/18

Out: -0.000+/-0.000 χ^2/NDF:18.9/20

All: 0.000+/-0.000 χ^2/NDF: 40.5/39



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:162386.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:214922.3/2

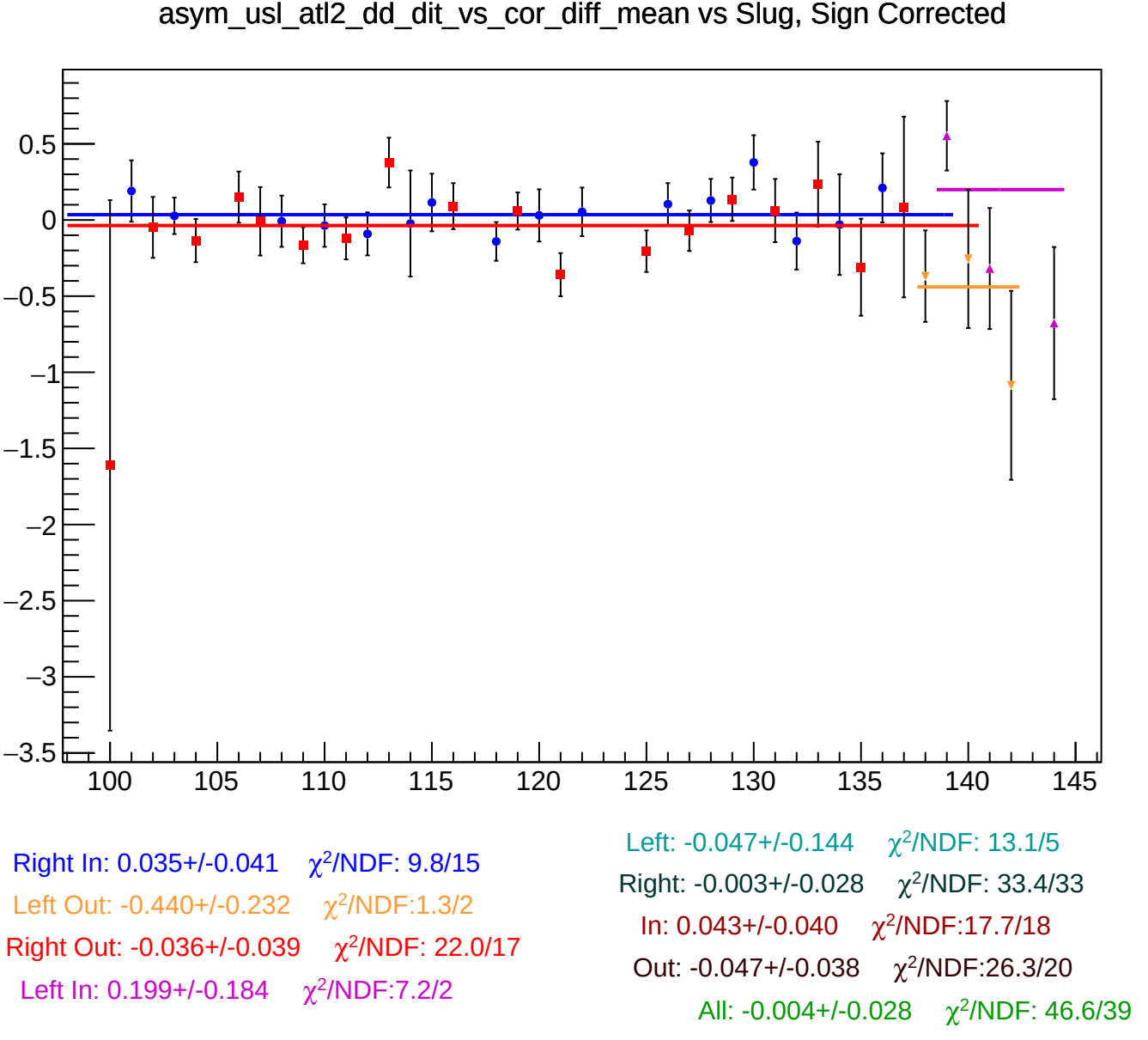
Left: 0.000+/-0.000 χ^2/NDF: 416577.9/5

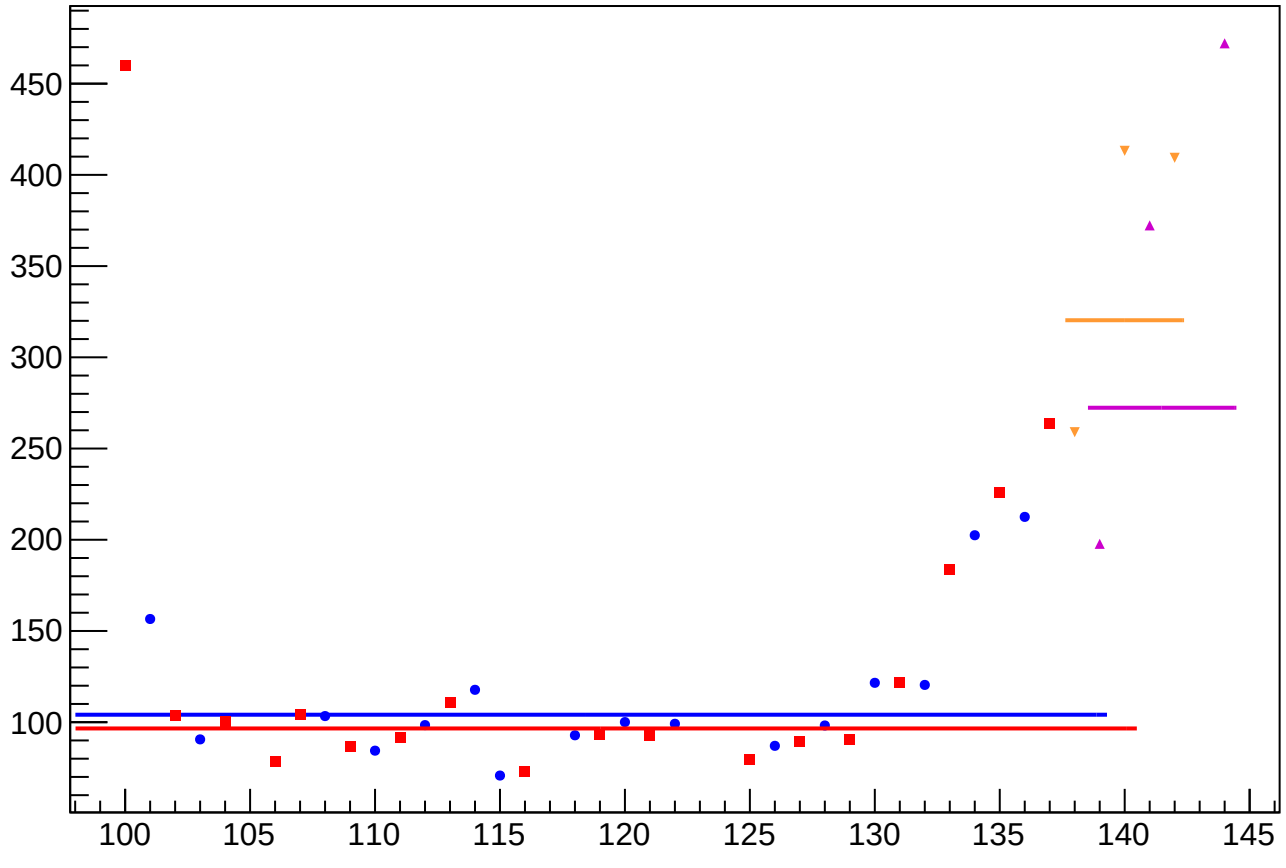
Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1471560.9/18

Out: 0.000+/-0.000 χ^2/NDF:1377254.7/20

All: 0.000+/-0.000 χ^2/NDF: 2854523.3/39


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.440+/-0.232 χ²/NDF:1.3/2
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.199+/-0.184 χ²/NDF:7.2/2
Left: -0.047+/-0.144 χ²/NDF: 13.1/5
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.043+/-0.040 χ²/NDF:17.7/18
Out: -0.047+/-0.038 χ²/NDF:26.3/20
All: -0.004+/-0.028 χ²/NDF: 46.6/39



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 320.322+/-0.164 χ^2/NDF:208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 272.357+/-0.130 χ^2/NDF:660010.1/2

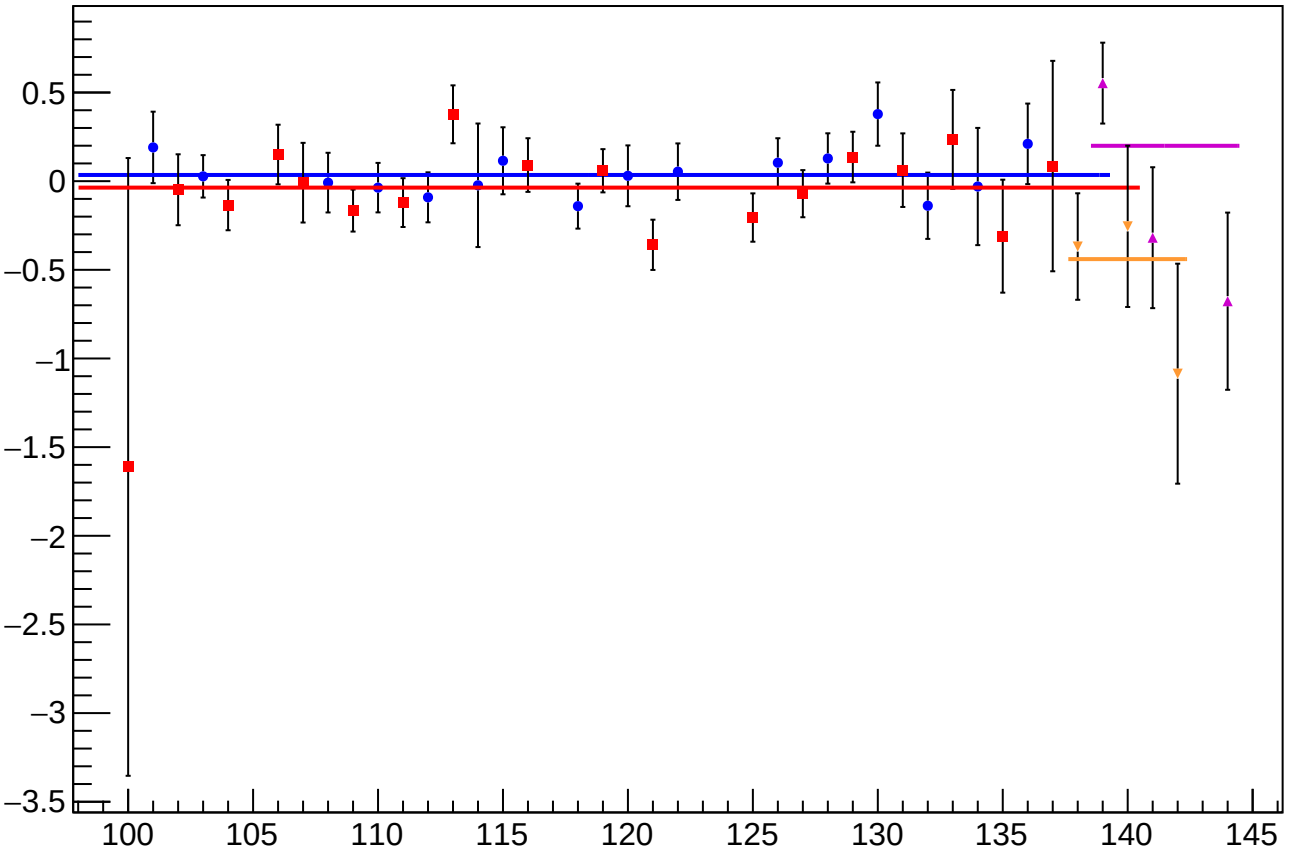
Left: 290.833+/-0.102 χ^2/NDF: 920485.1/5

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 112.075+/-0.028 χ^2/NDF:3244090.2/18

Out: 102.668+/-0.027 χ^2/NDF:2967410.3/20

All: 107.170+/-0.020 χ^2/NDF: 6269034.1/39



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.199+/-0.184 χ^2/NDF:7.2/2

Left: -0.047+/-0.144 χ^2/NDF: 13.1/5

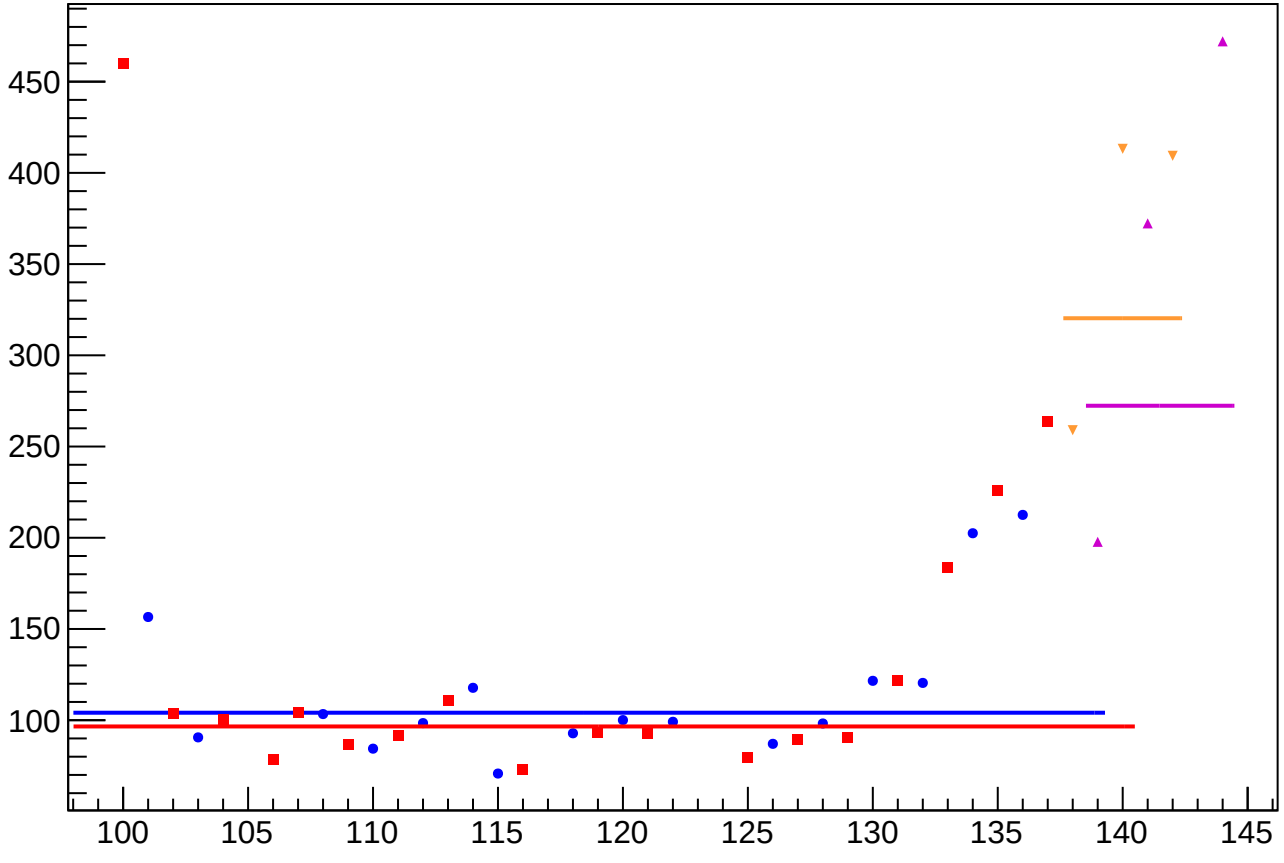
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.040 χ^2/NDF:17.7/18

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.004+/-0.028 χ^2/NDF: 46.6/39

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: 320.322+/-0.164 χ^2/NDF:208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 272.357+/-0.130 χ^2/NDF:660010.1/2

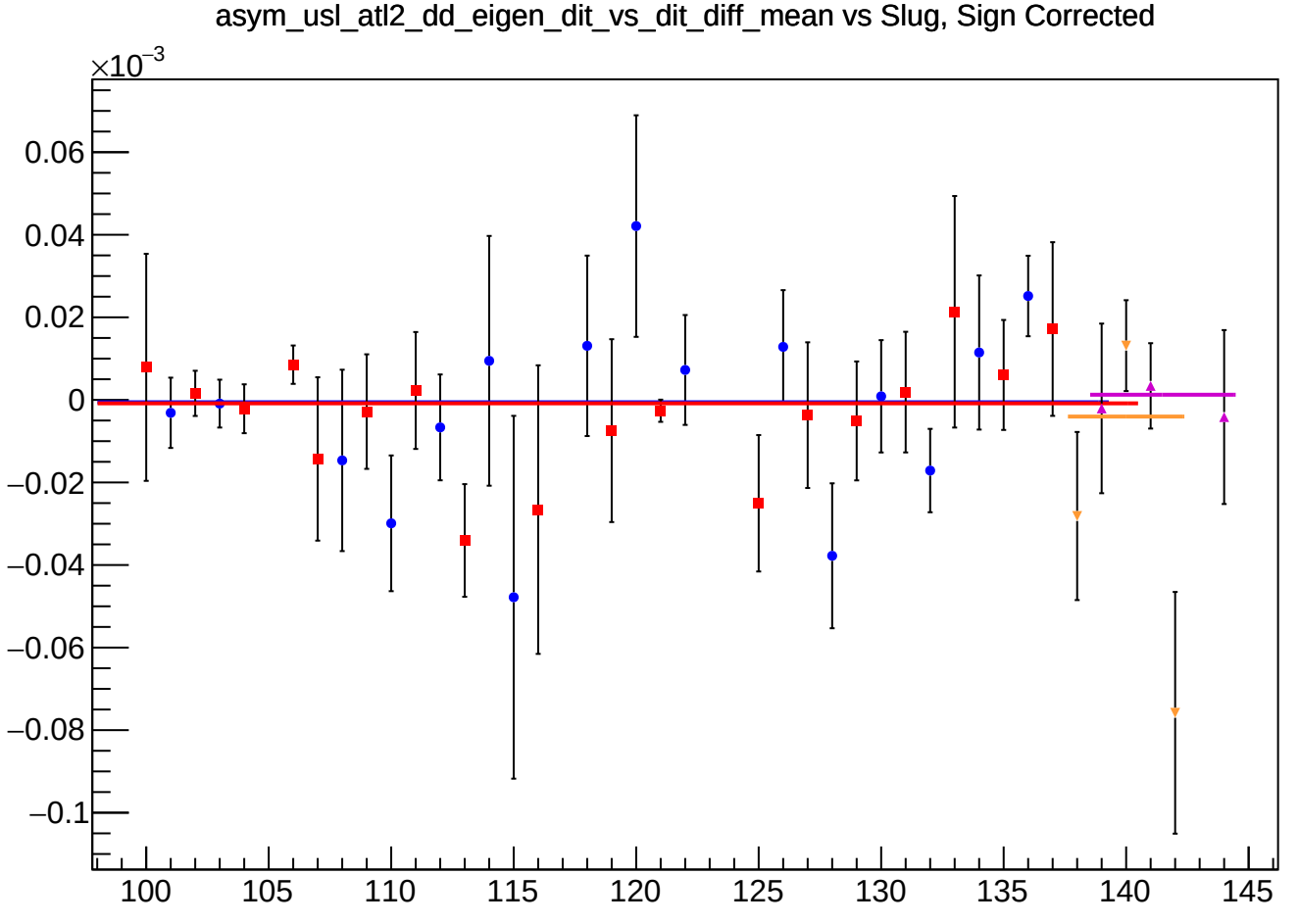
Left: 290.833+/-0.102 χ^2/NDF: 920485.1/5

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 112.075+/-0.028 χ^2/NDF:3244090.2/18

Out: 102.668+/-0.027 χ^2/NDF:2967410.3/20

All: 107.170+/-0.020 χ^2/NDF: 6269034.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

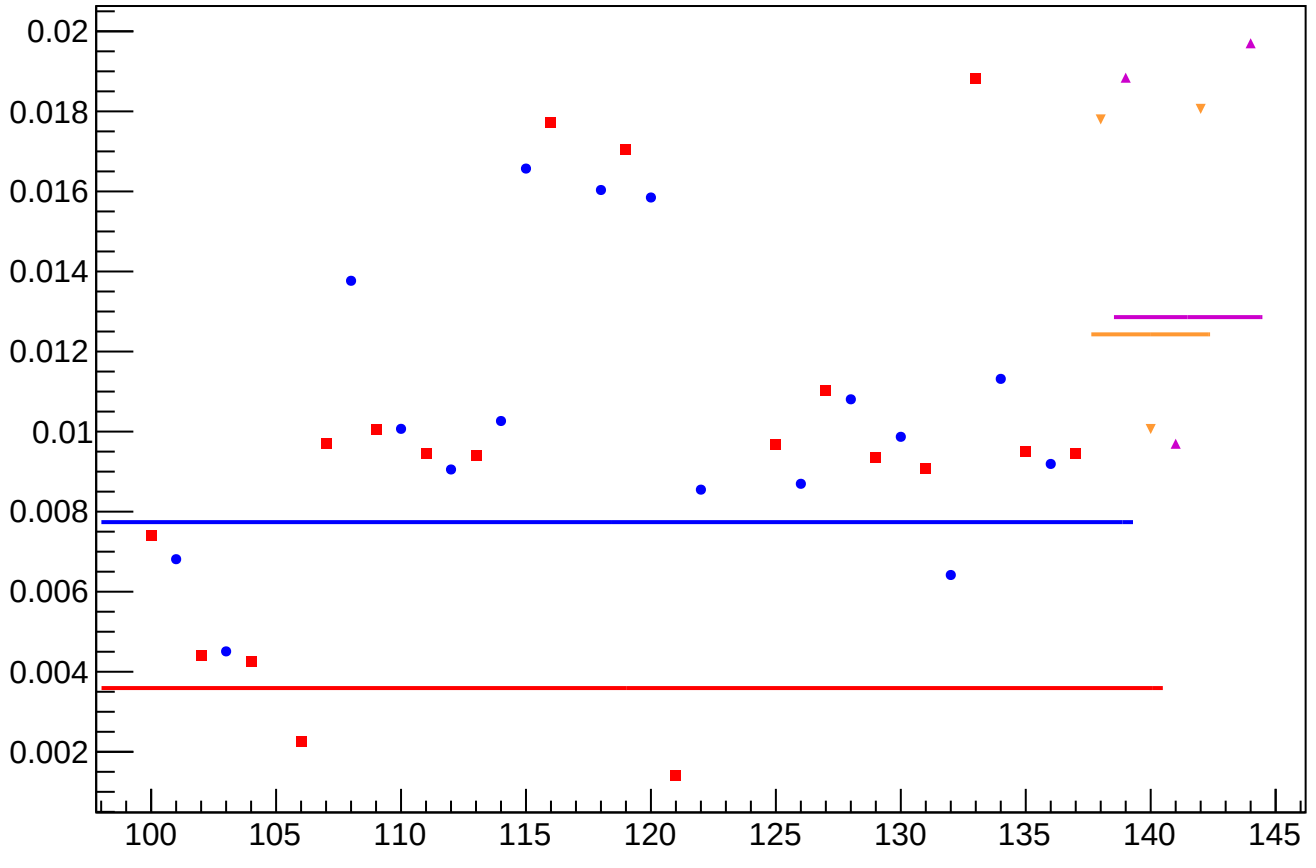
Left: -0.000+/-0.000 χ^2/NDF: 10.2/5

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.1/18

Out: -0.000+/-0.000 χ^2/NDF:25.8/20

All: -0.000+/-0.000 χ^2/NDF: 50.0/39



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:305485.7/2

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.013+/-0.000 χ^2/NDF:567779.6/2

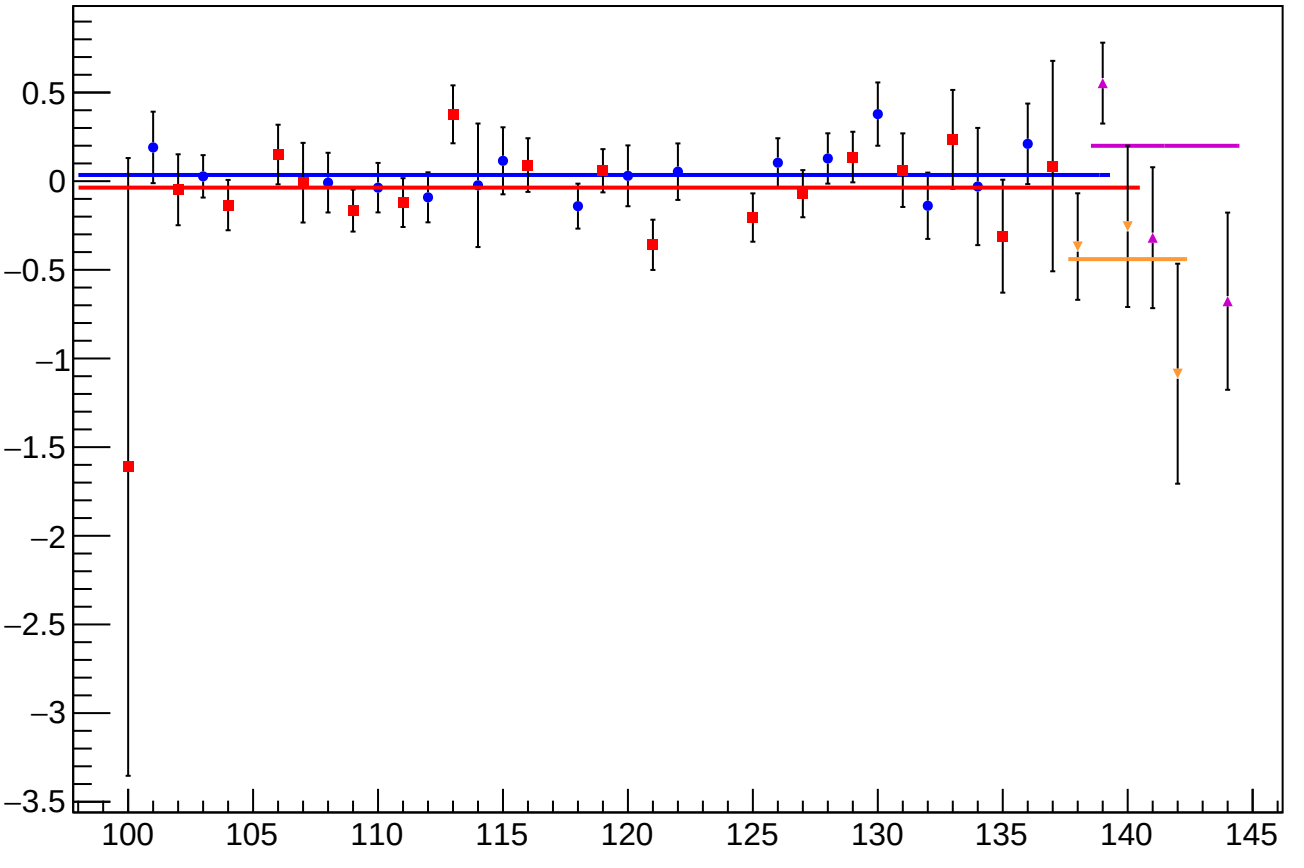
Left: 0.013+/-0.000 χ^2/NDF: 875643.7/5

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.008+/-0.000 χ^2/NDF:2915241.8/18

Out: 0.004+/-0.000 χ^2/NDF:8447341.3/20

All: 0.005+/-0.000 χ^2/NDF: 14669523.1/39



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.199+/-0.184 χ^2/NDF:7.2/2

Left: -0.047+/-0.144 χ^2/NDF: 13.1/5

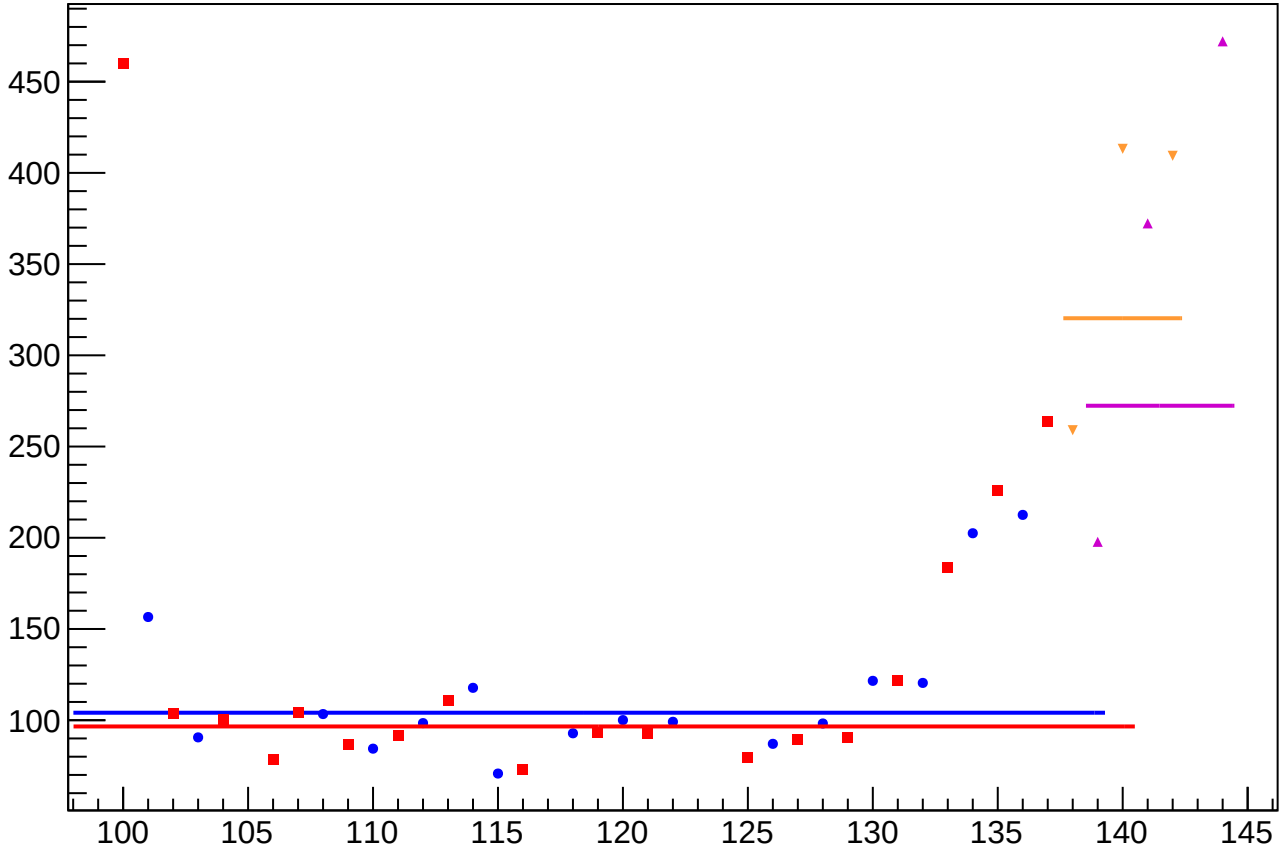
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.040 χ^2/NDF:17.7/18

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.004+/-0.028 χ^2/NDF: 46.6/39

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: 320.325+/-0.164 χ^2/NDF:208097.0/2

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 272.364+/-0.130 χ^2/NDF:659989.9/2

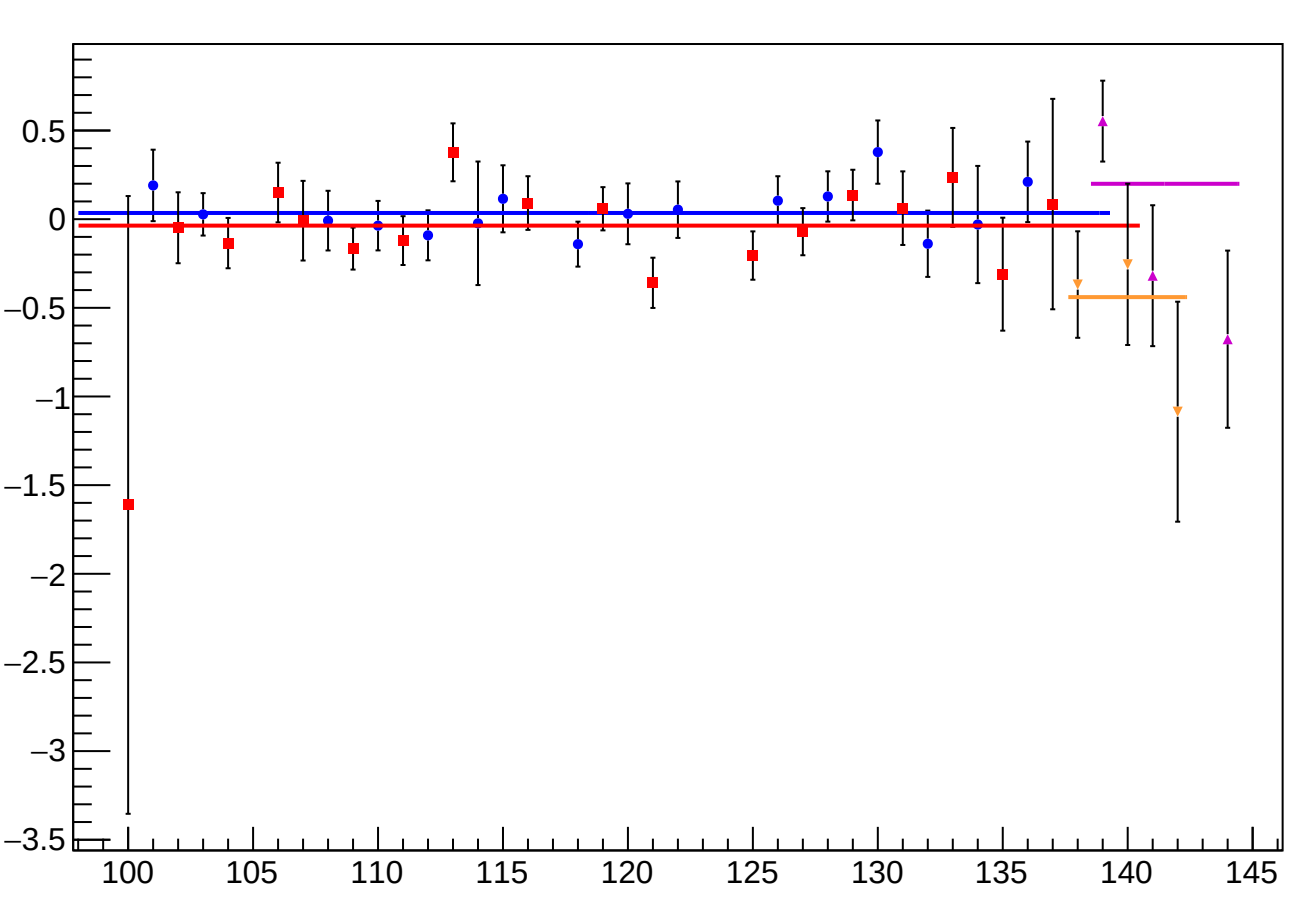
Left: 290.839+/-0.102 χ^2/NDF: 920465.1/5

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 112.076+/-0.028 χ^2/NDF:3244066.3/18

Out: 102.670+/-0.027 χ^2/NDF:2967343.8/20

All: 107.171+/-0.020 χ^2/NDF: 6268937.3/39



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.199+/-0.184 χ^2/NDF:7.2/2

Left: -0.047+/-0.144 χ^2/NDF: 13.1/5

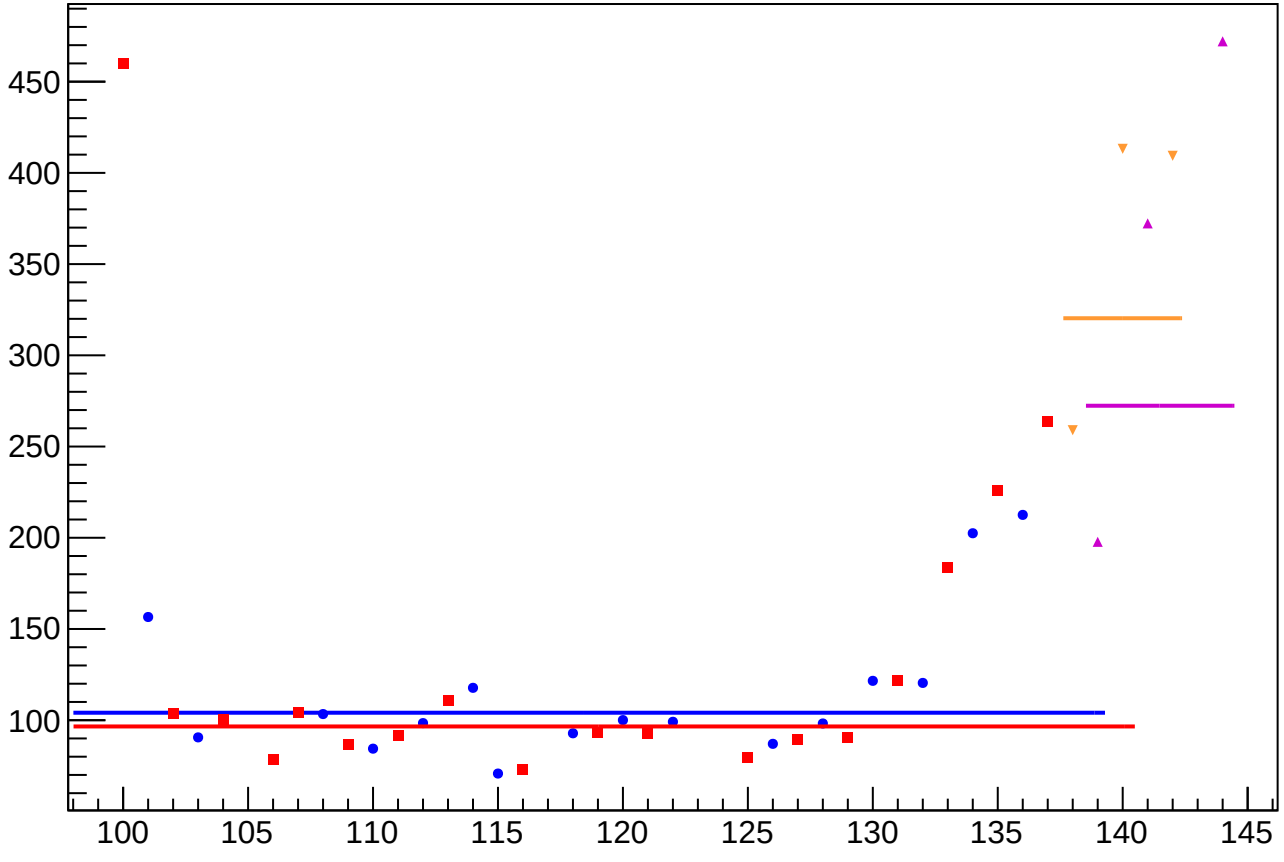
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.040 χ^2/NDF:17.7/18

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.004+/-0.028 χ^2/NDF: 46.6/39

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 320.325+/-0.164 χ^2/NDF:208097.0/2

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 272.364+/-0.130 χ^2/NDF:659989.9/2

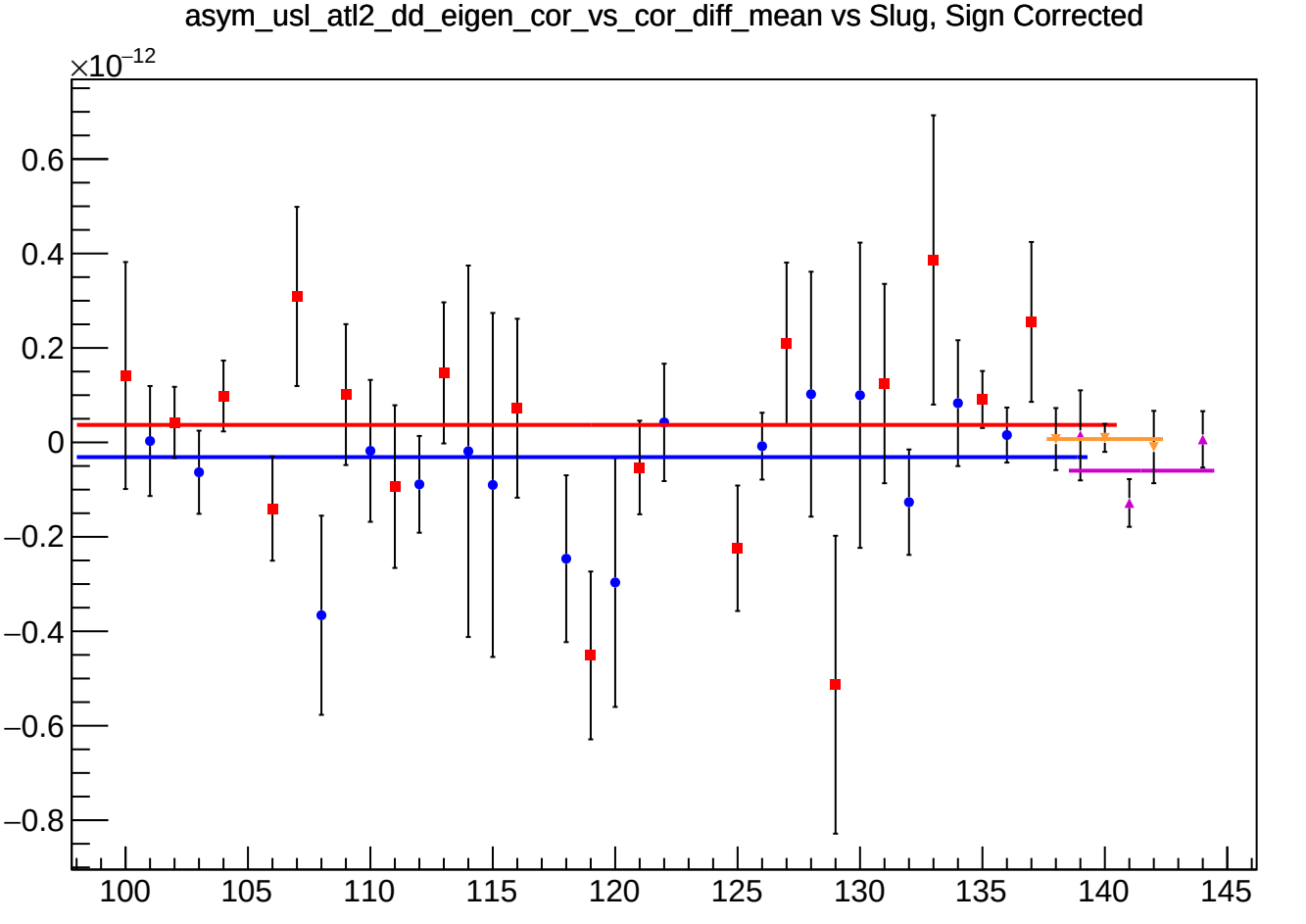
Left: 290.839+/-0.102 χ^2/NDF: 920465.1/5

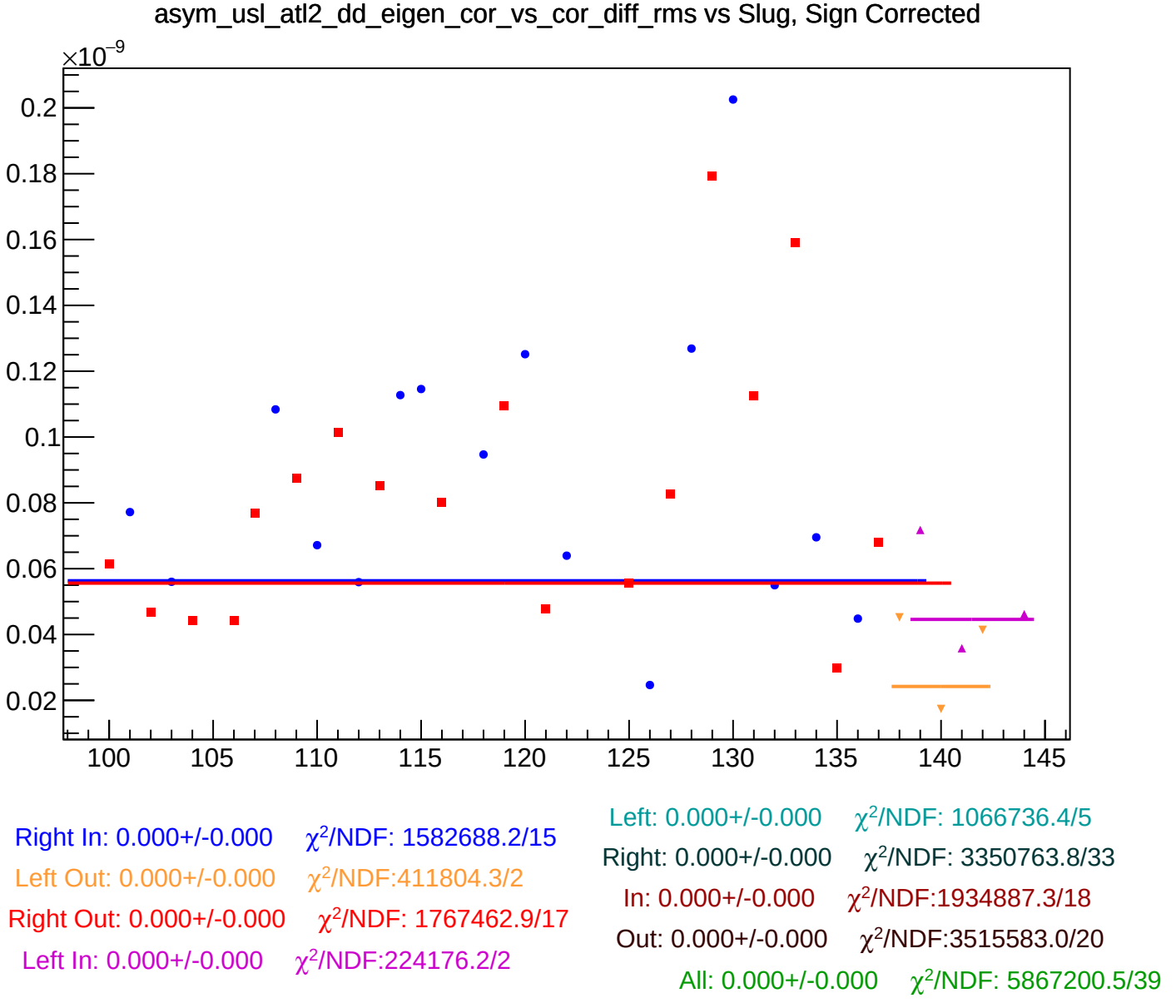
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

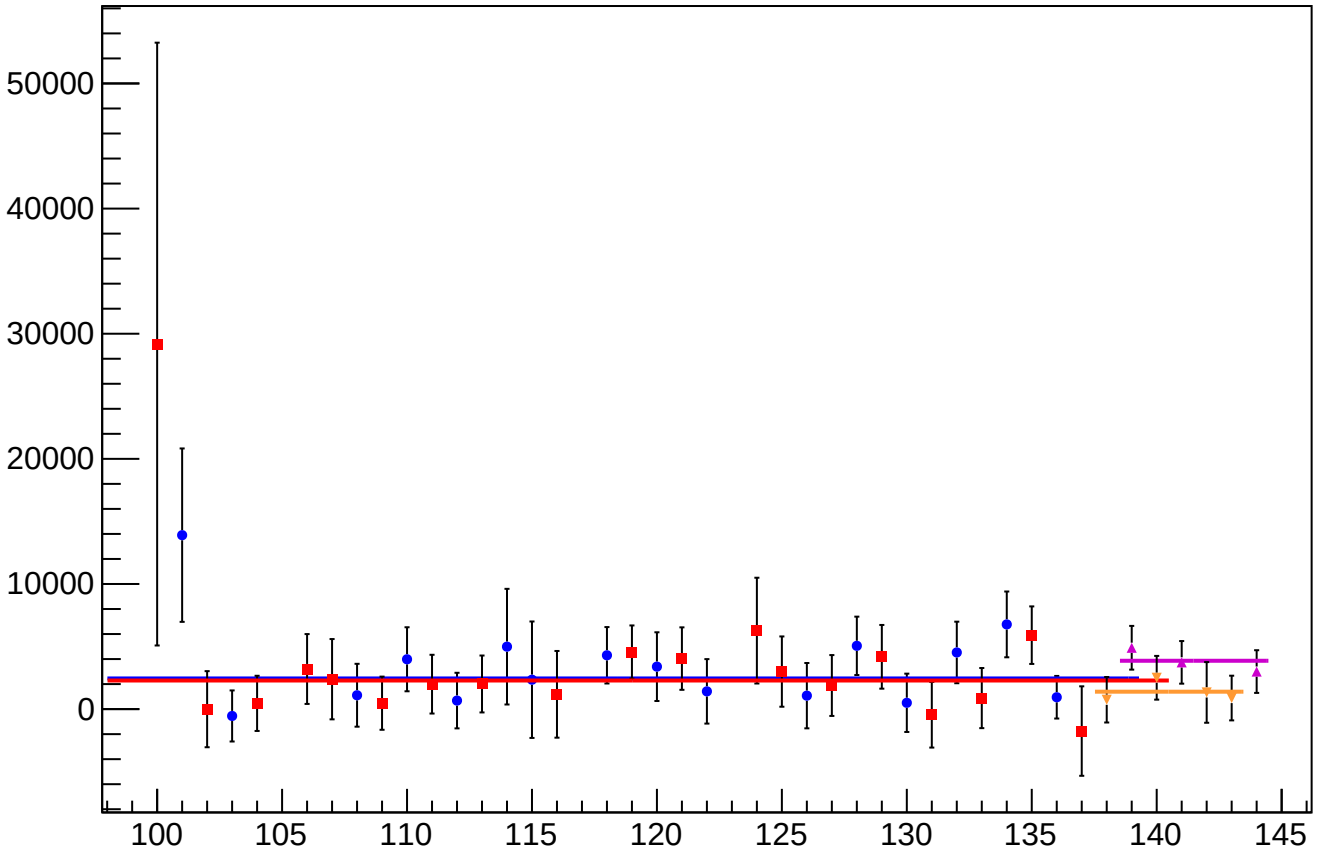
In: 112.076+/-0.028 χ^2/NDF:3244066.3/18

Out: 102.670+/-0.027 χ^2/NDF:2967343.8/20

All: 107.171+/-0.020 χ^2/NDF: 6268937.3/39


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.1/2
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: -0.000+/-0.000 χ²/NDF:3.7/2
Left: -0.000+/-0.000 χ²/NDF: 6.1/5
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:12.6/18
Out: 0.000+/-0.000 χ²/NDF:27.7/20
All: -0.000+/-0.000 χ²/NDF: 44.9/39


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:411804.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:224176.2/2
Left: 0.000+/-0.000 χ²/NDF: 1066736.4/5
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:1934887.3/18
Out: 0.000+/-0.000 χ²/NDF:3515583.0/20
All: 0.000+/-0.000 χ²/NDF: 5867200.5/39



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.679+/-947.550 χ^2/NDF:0.6/3

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 3863.602+/-992.055 χ^2/NDF:0.6/2

Left: 2571.473+/-685.212 χ^2/NDF: 4.5/6

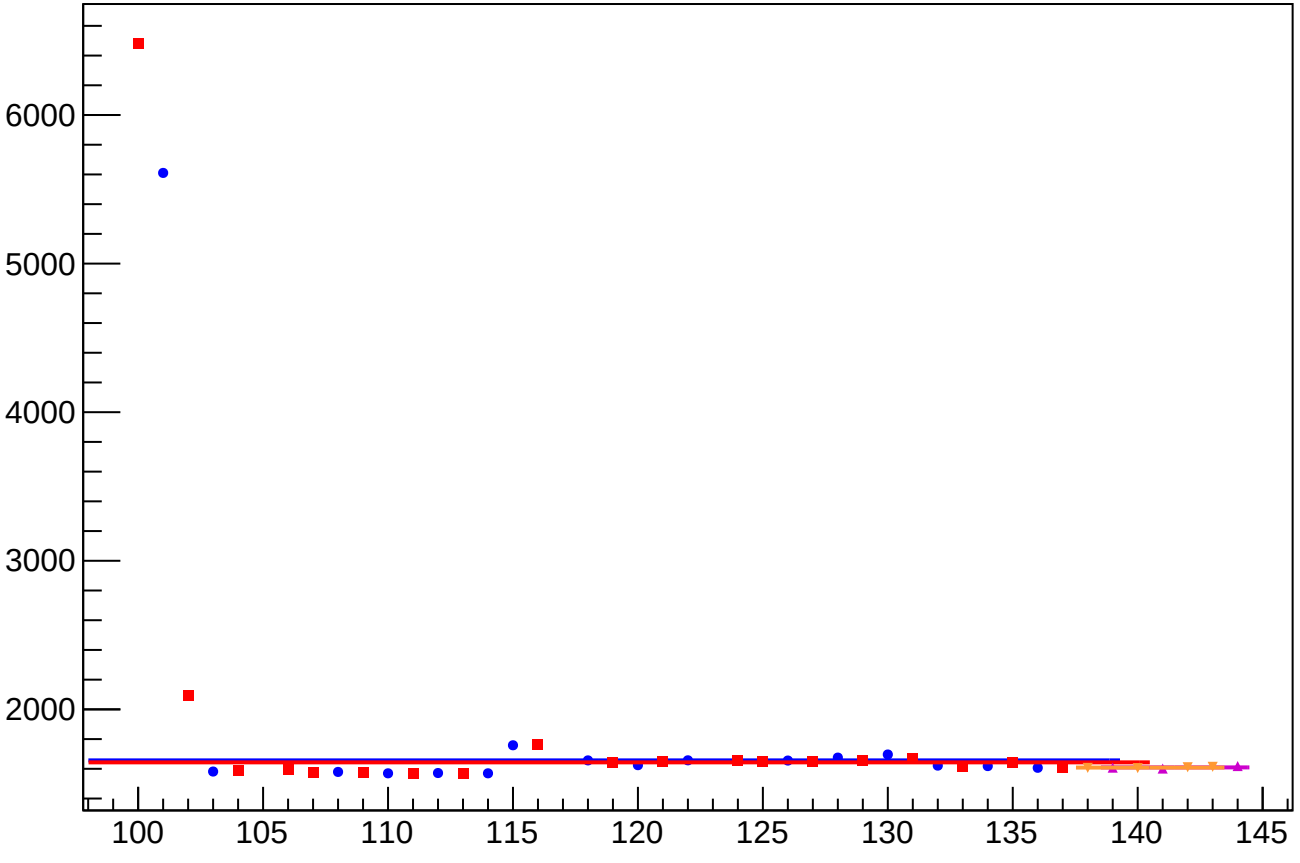
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2856.433+/-531.965 χ^2/NDF:15.9/18

Out: 2025.171+/-512.405 χ^2/NDF:13.1/22

All: 2425.239+/-369.046 χ^2/NDF: 30.2/41

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

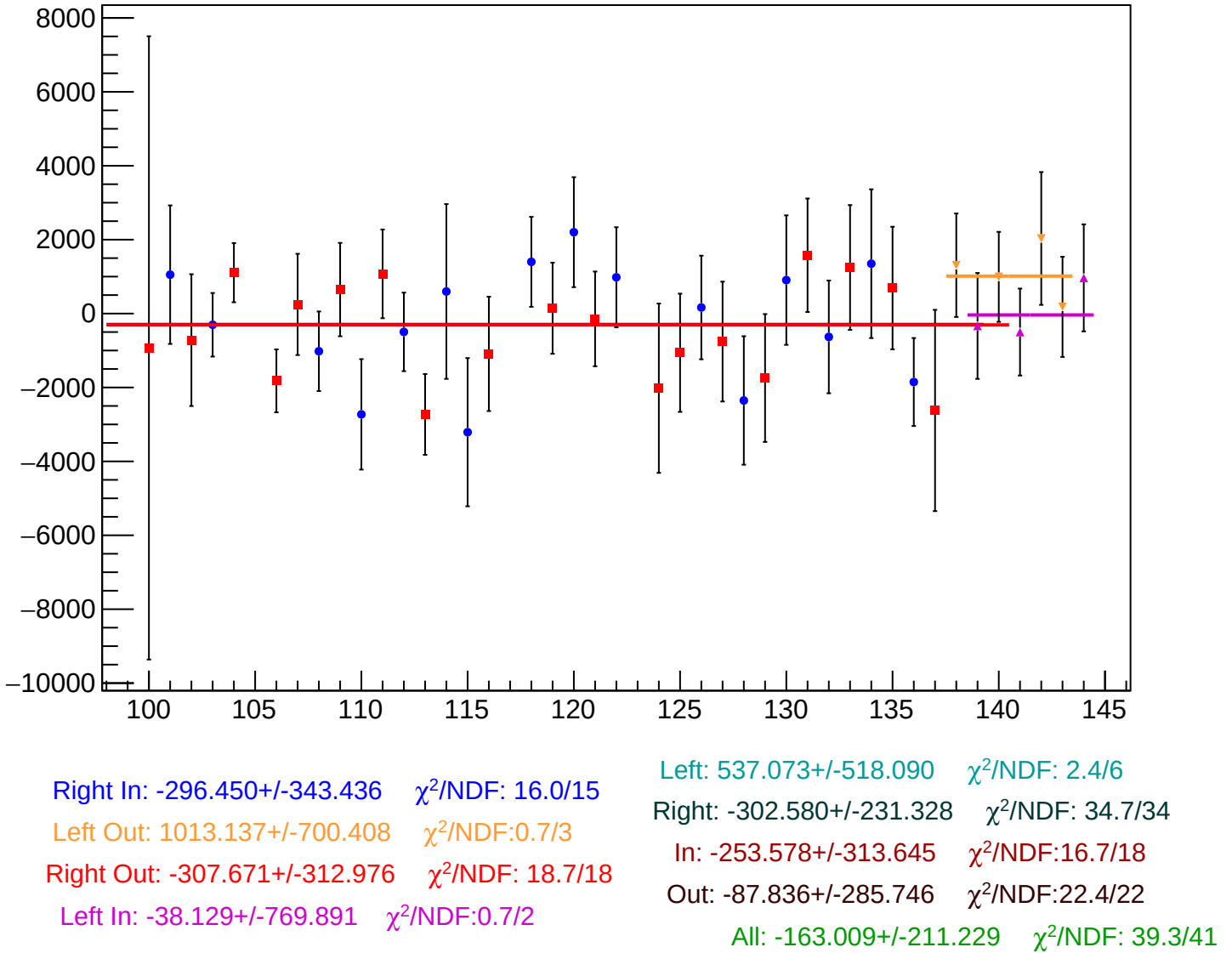
Left: 1608.891+/-0.485 χ^2/NDF: 129.2/6

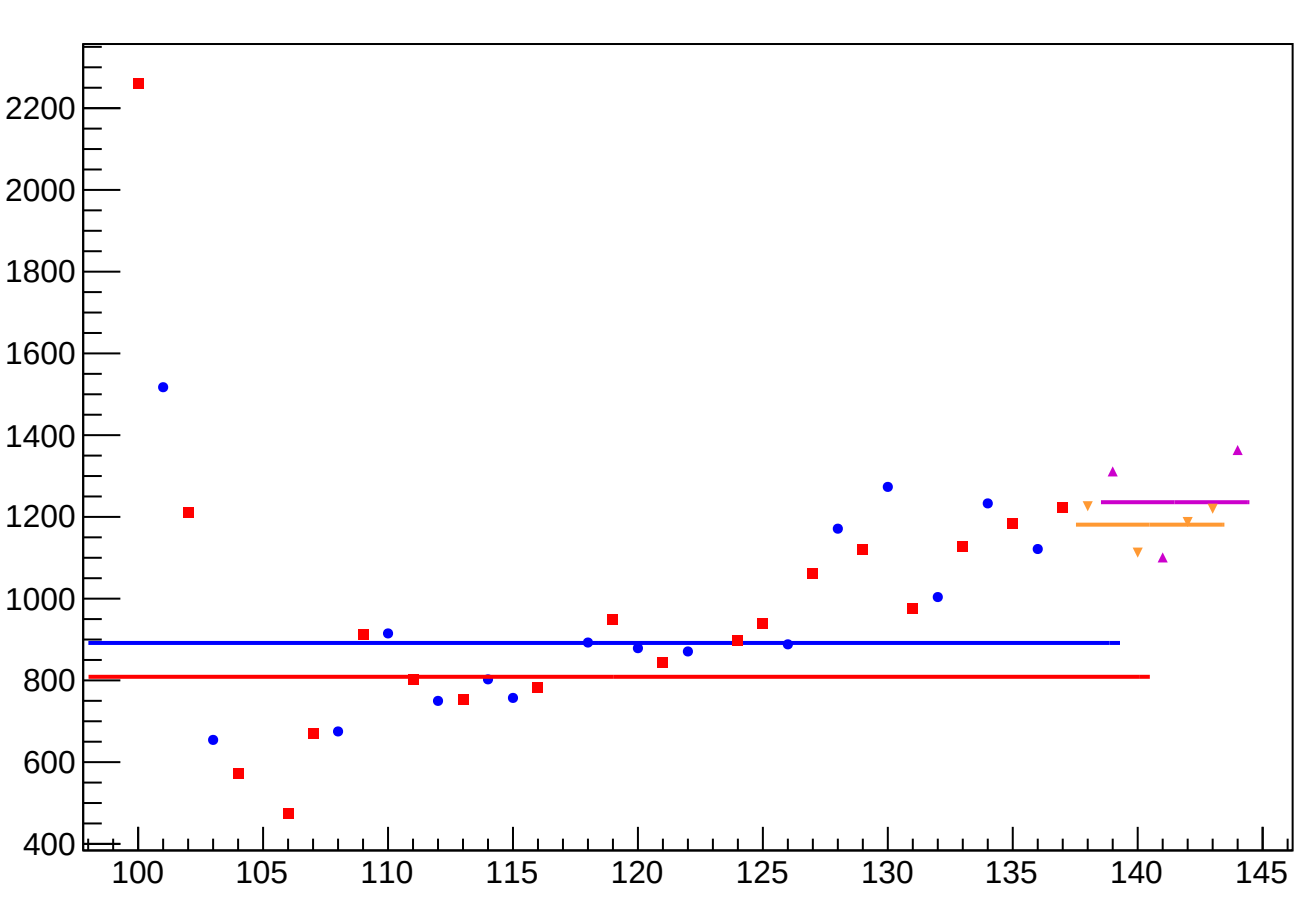
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1643.107+/-0.376 χ^2/NDF:669553.8/18

Out: 1633.176+/-0.362 χ^2/NDF:138963.9/22

All: 1637.956+/-0.261 χ^2/NDF: 808879.2/41


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: 1013.137+/-700.408 χ²/NDF:0.7/3
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: -38.129+/-769.891 χ²/NDF:0.7/2
Left: 537.073+/-518.090 χ²/NDF: 2.4/6
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: -253.578+/-313.645 χ²/NDF:16.7/18
Out: -87.836+/-285.746 χ²/NDF:22.4/22
All: -163.009+/-211.229 χ²/NDF: 39.3/41



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1181.029+/-0.495 χ^2/NDF:10057.6/3

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1235.958+/-0.544 χ^2/NDF:47476.8/2

Left: 1205.904+/-0.366 χ^2/NDF: 63104.7/6

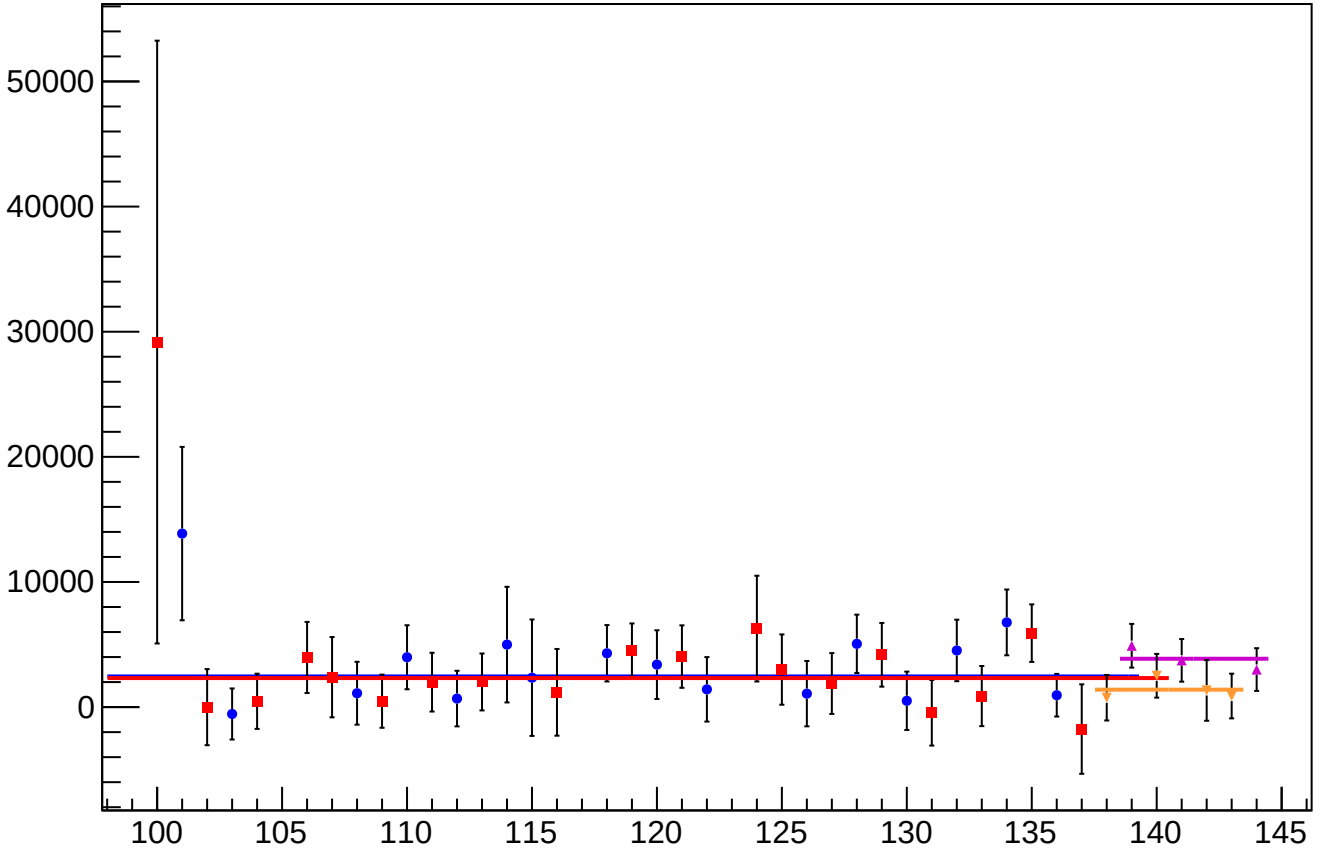
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 948.779+/-0.222 χ^2/NDF:1175025.5/18

Out: 870.761+/-0.202 χ^2/NDF:1564728.6/22

All: 906.147+/-0.149 χ^2/NDF: 2807375.7/41

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3863.857+/-992.055 χ^2/NDF:0.6/2

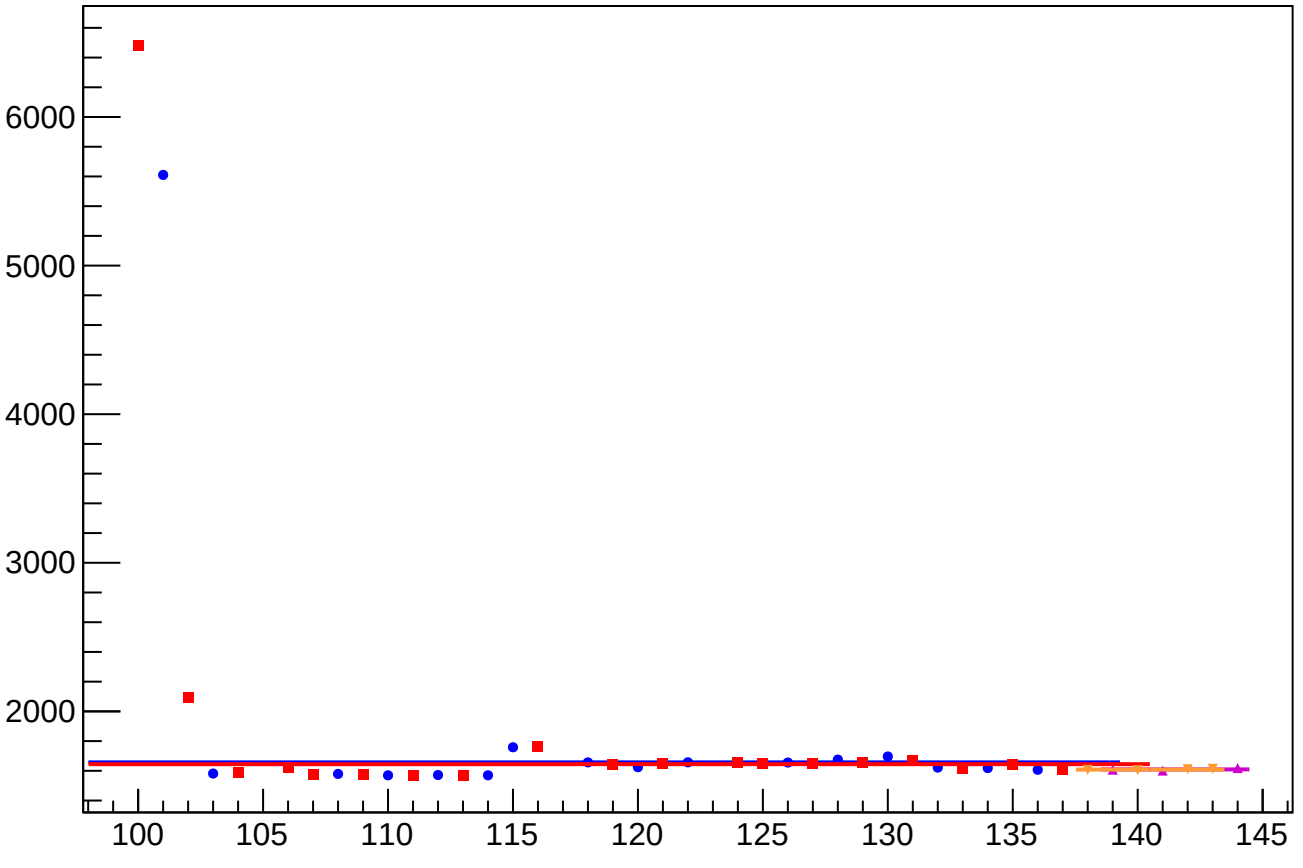
Left: 2571.642+/-685.212 χ^2/NDF: 4.5/6

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2856.108+/-531.965 χ^2/NDF:15.9/18

Out: 2048.941+/-512.703 χ^2/NDF:13.4/22

All: 2437.646+/-369.158 χ^2/NDF: 30.4/41



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

Left: 1608.891+/-0.485 χ^2/NDF: 129.2/6

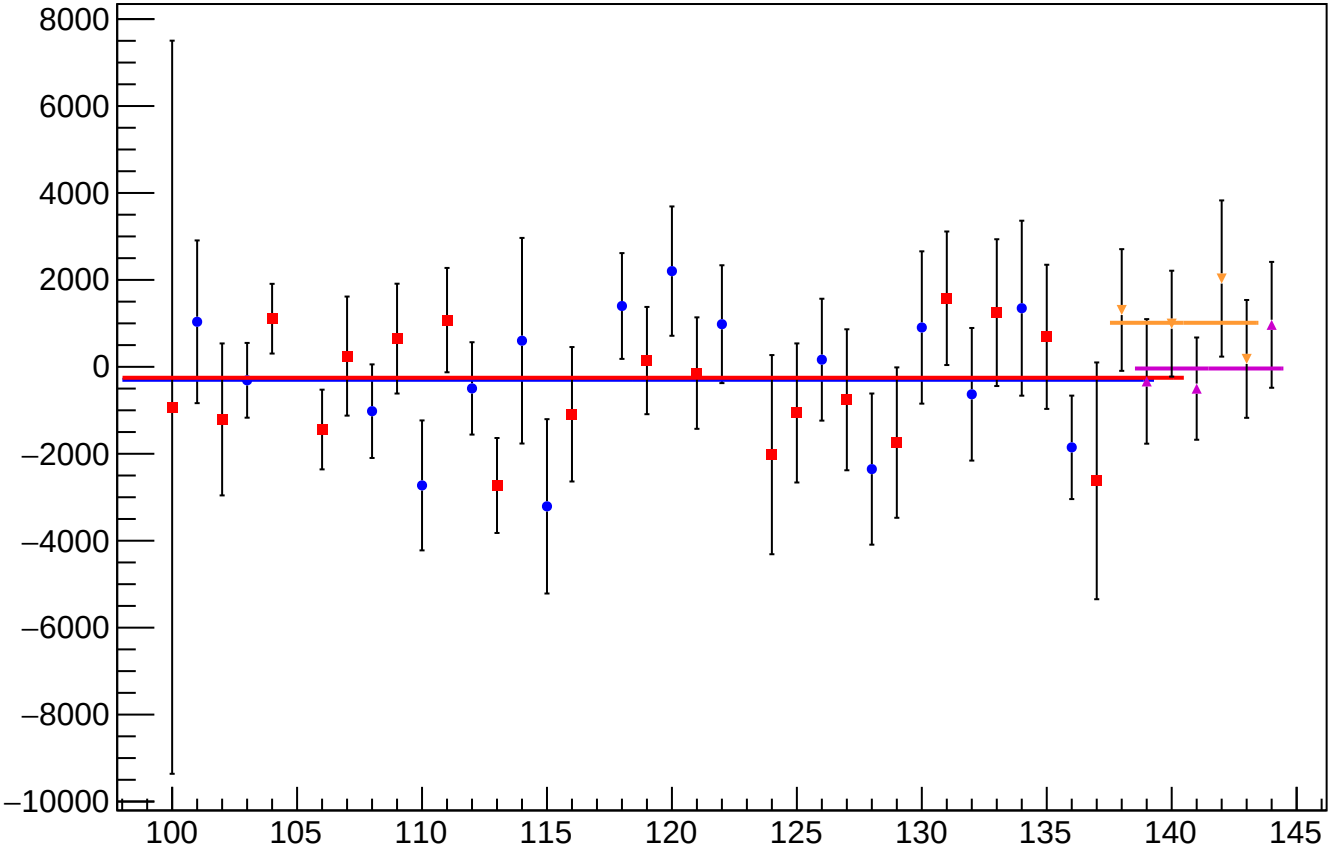
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1643.107+/-0.376 χ^2/NDF:669553.3/18

Out: 1634.085+/-0.363 χ^2/NDF:138594.8/22

All: 1638.430+/-0.261 χ^2/NDF: 808446.3/41

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -38.232+/-769.893 χ^2/NDF:0.7/2

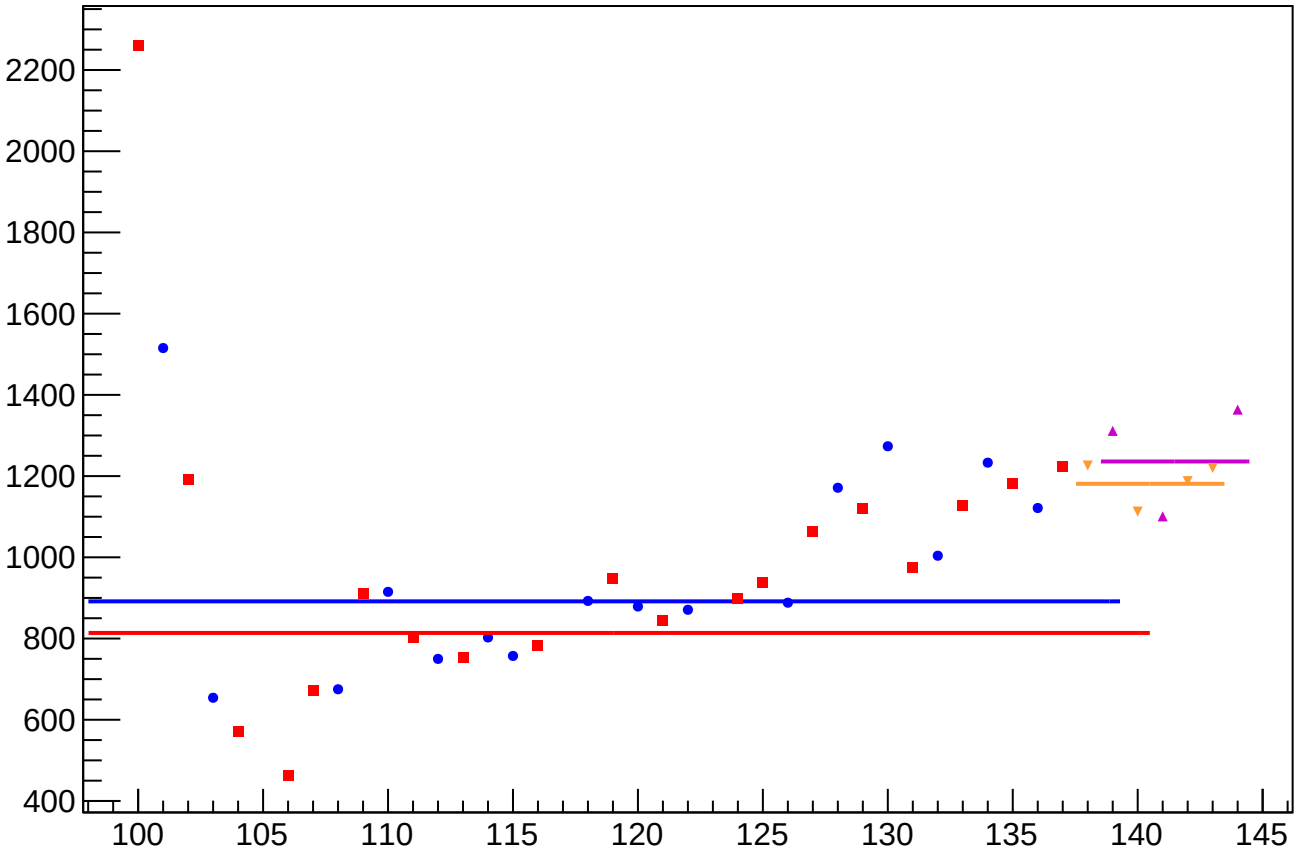
Left: 537.076+/-518.089 χ^2/NDF: 2.4/6

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -254.725+/-313.610 χ^2/NDF:16.7/18

Out: -37.660+/-287.851 χ^2/NDF:20.7/22

All: -136.913+/-212.064 χ^2/NDF: 37.7/41



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1181.019+/-0.495 χ^2/NDF:10057.7/3

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1235.960+/-0.544 χ^2/NDF:47483.9/2

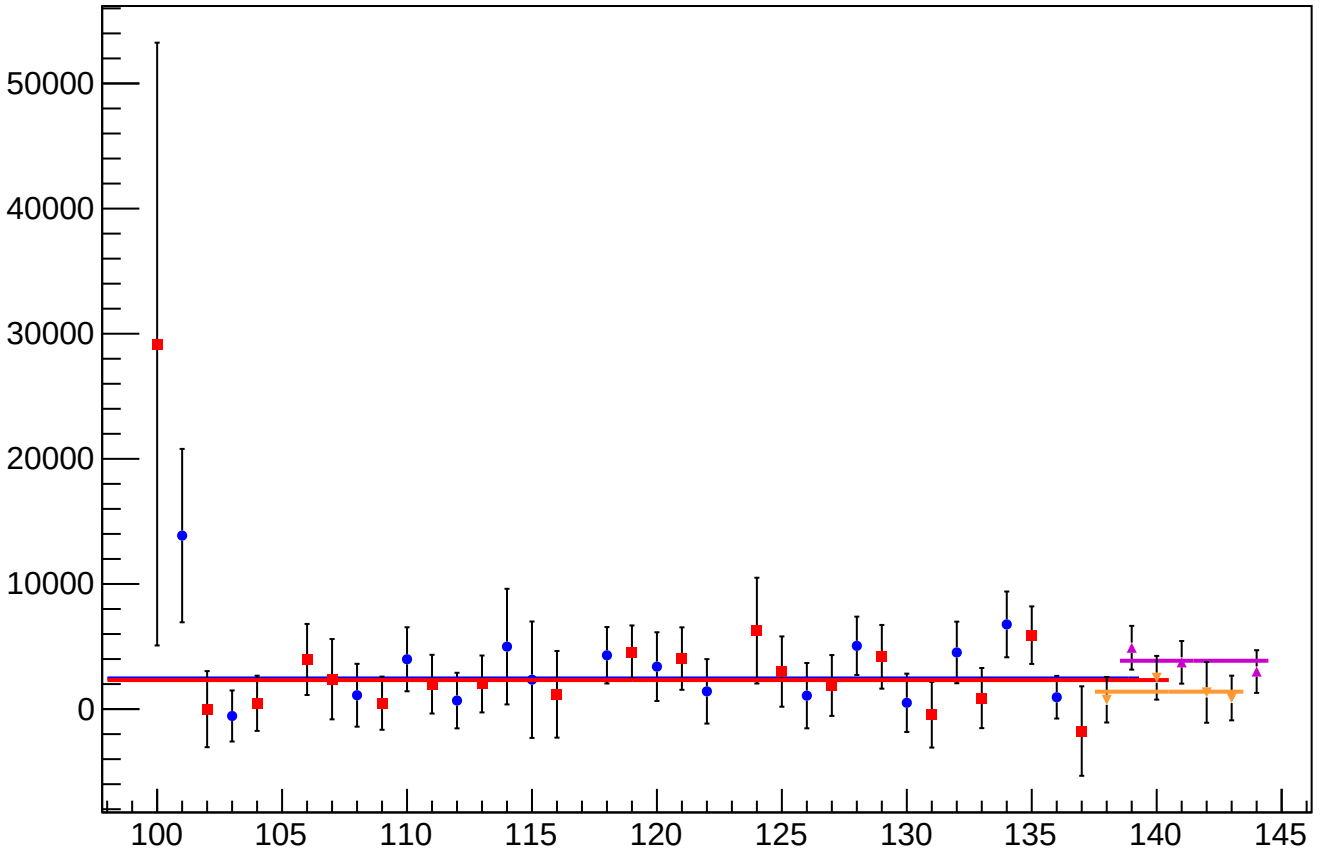
Left: 1205.899+/-0.366 χ^2/NDF: 63114.6/6

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 948.683+/-0.222 χ^2/NDF:1175004.1/18

Out: 875.831+/-0.204 χ^2/NDF:1519945.7/22

All: 909.142+/-0.150 χ^2/NDF: 2753528.2/41



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3863.857+/-992.055 χ^2/NDF:0.6/2

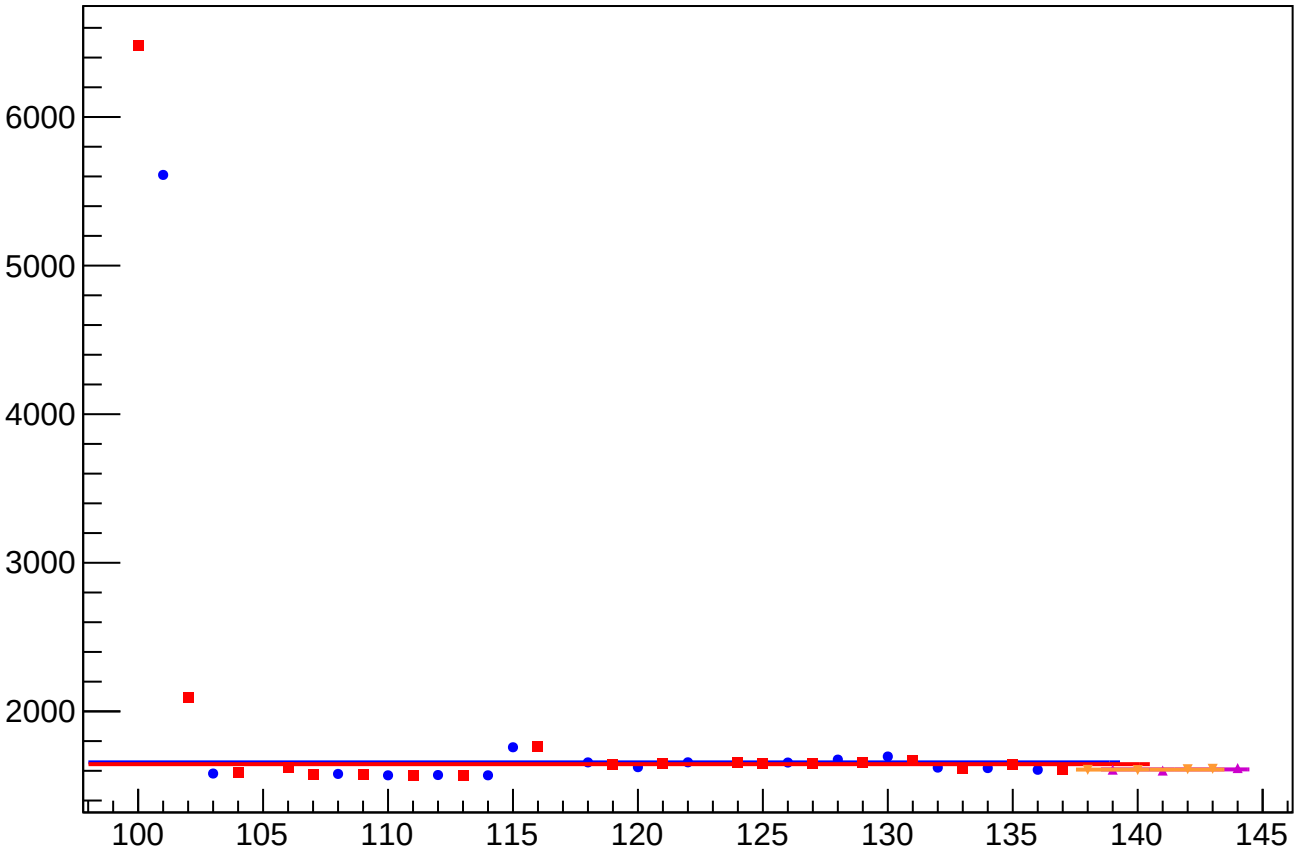
Left: 2571.642+/-685.212 χ^2/NDF: 4.5/6

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2856.108+/-531.965 χ^2/NDF:15.9/18

Out: 2048.941+/-512.703 χ^2/NDF:13.4/22

All: 2437.646+/-369.158 χ^2/NDF: 30.4/41



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.467+/-0.701 χ^2/NDF:99.9/2

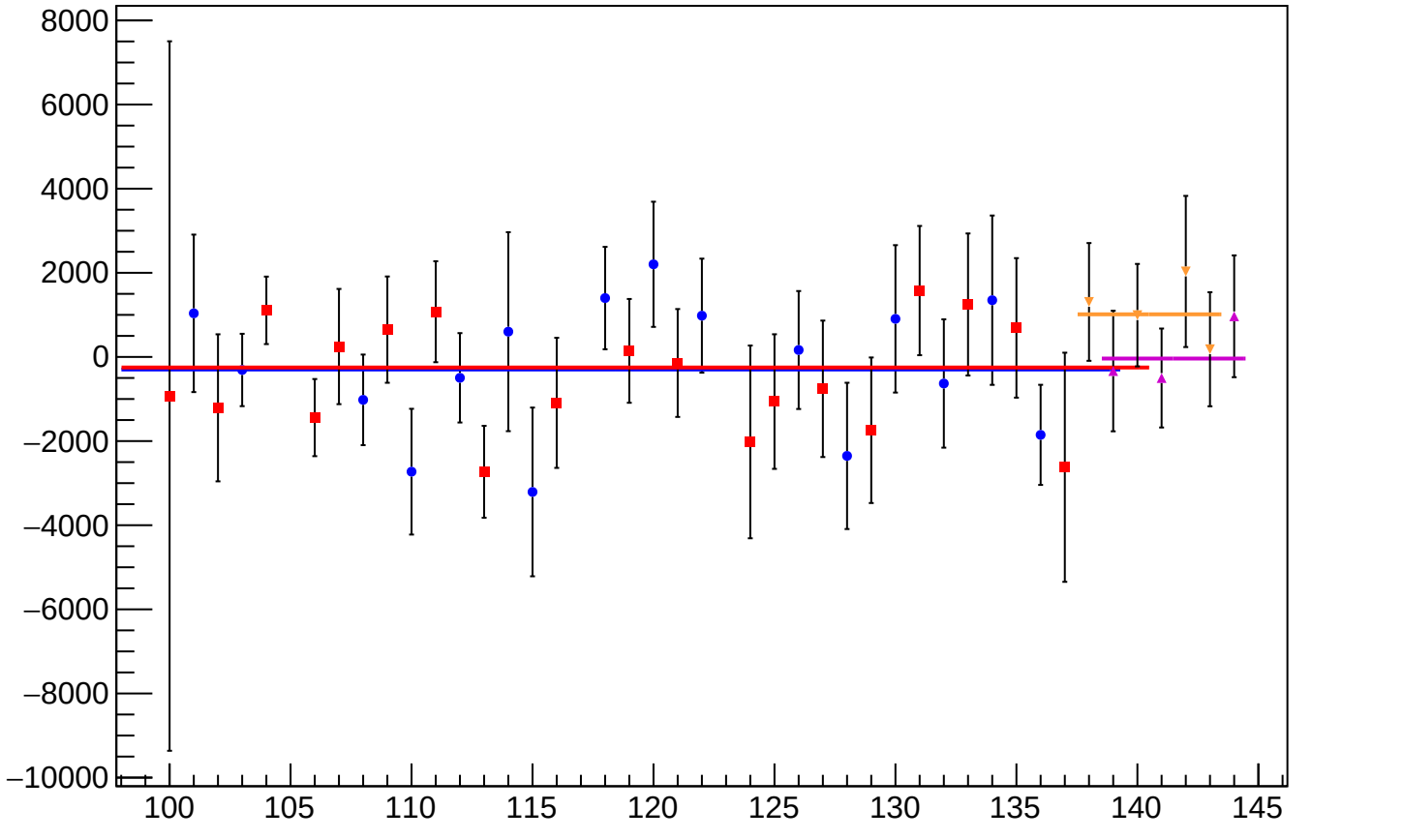
Left: 1608.891+/-0.485 χ^2/NDF: 129.2/6

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1643.107+/-0.376 χ^2/NDF:669553.3/18

Out: 1634.085+/-0.363 χ^2/NDF:138594.8/22

All: 1638.430+/-0.261 χ^2/NDF: 808446.3/41



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -38.232+/-769.893 χ^2/NDF:0.7/2

Left: 537.076+/-518.089 χ^2/NDF: 2.4/6

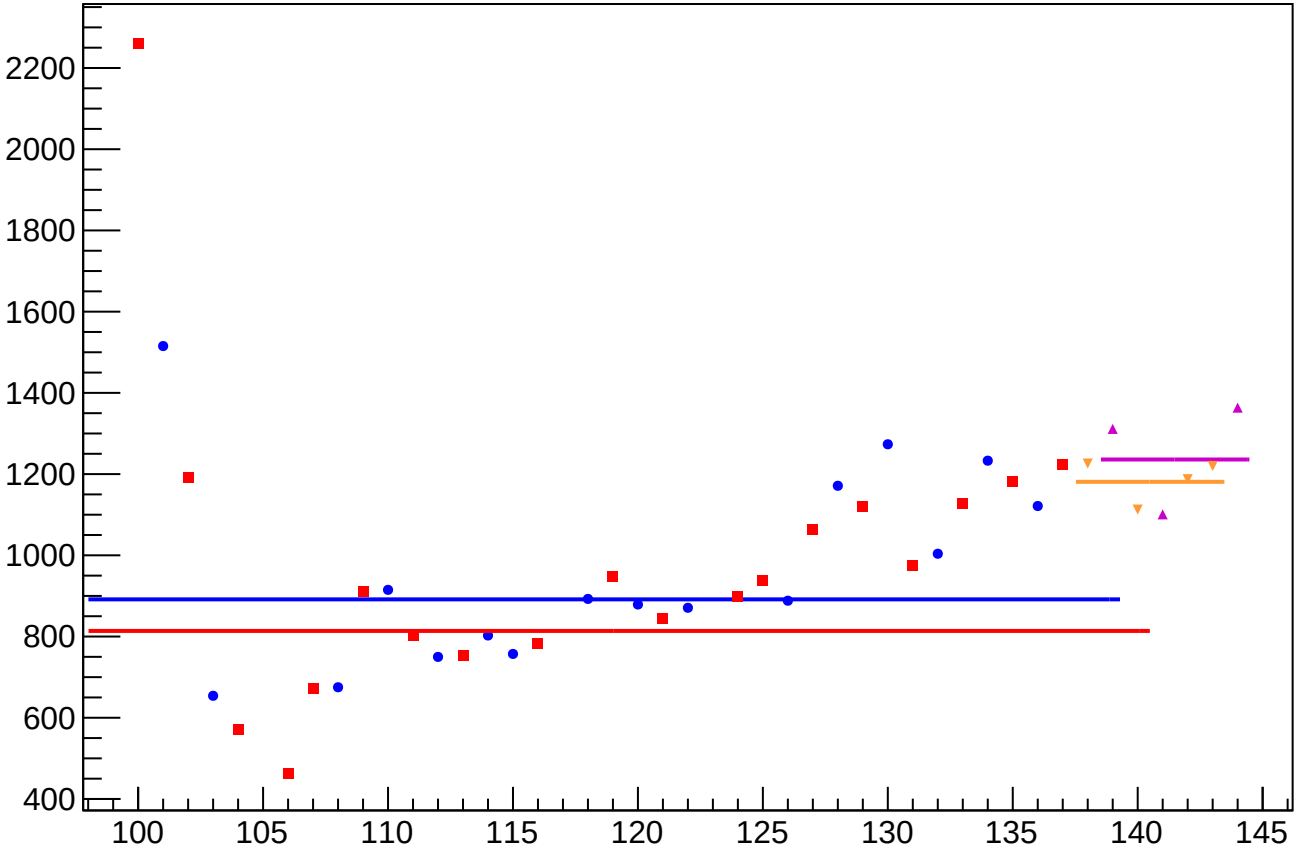
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -254.725+/-313.610 χ^2/NDF:16.7/18

Out: -37.660+/-287.851 χ^2/NDF:20.7/22

All: -136.913+/-212.064 χ^2/NDF: 37.7/41

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: 1181.019+/-0.495 χ^2/NDF:10057.7/3

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1235.960+/-0.544 χ^2/NDF:47483.9/2

Left: 1205.899+/-0.366 χ^2/NDF: 63114.6/6

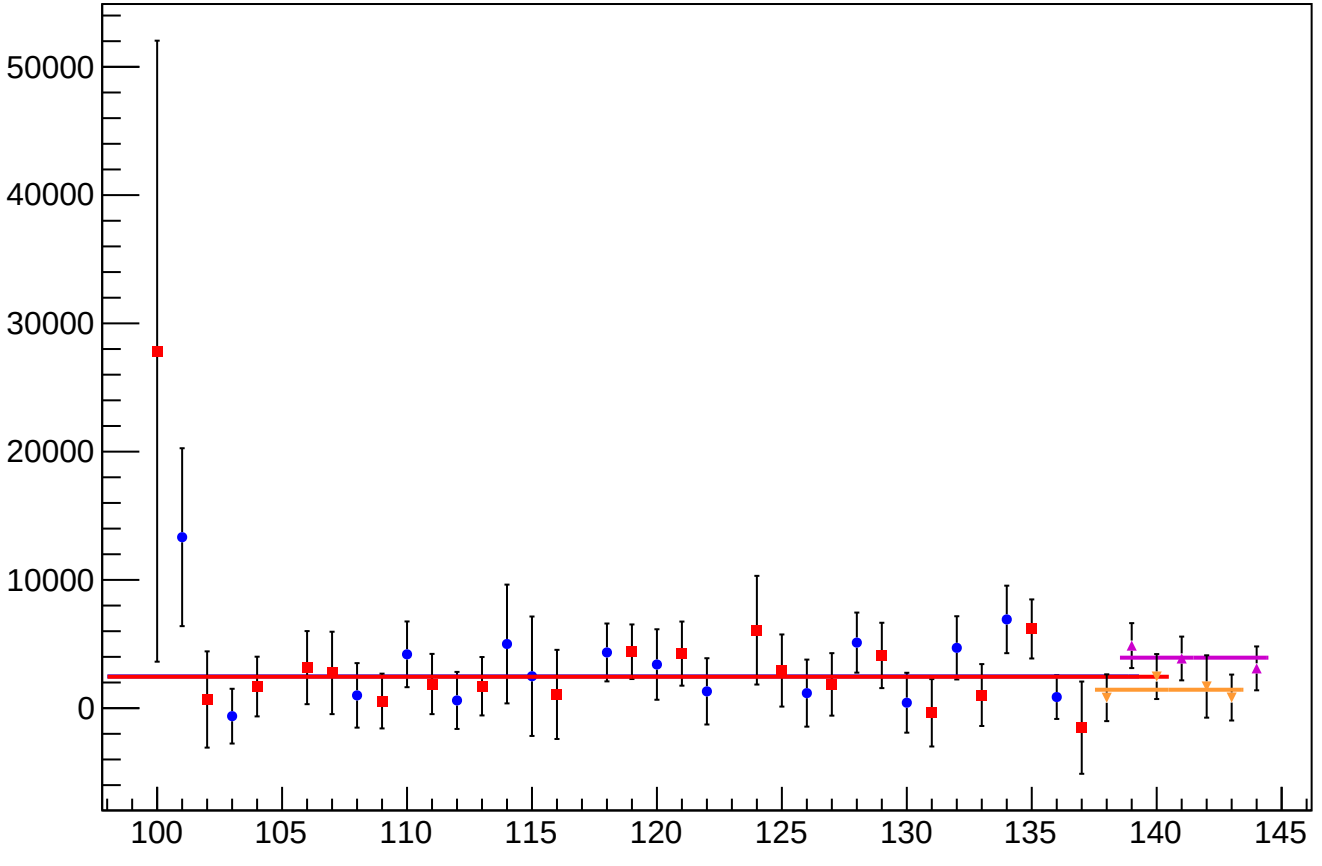
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 948.683+/-0.222 χ^2/NDF:1175004.1/18

Out: 875.831+/-0.204 χ^2/NDF:1519945.7/22

All: 909.142+/-0.150 χ^2/NDF: 2753528.2/41

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.283+/-950.255 χ^2/NDF:0.6/3

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3936.321+/-994.422 χ^2/NDF:0.5/2

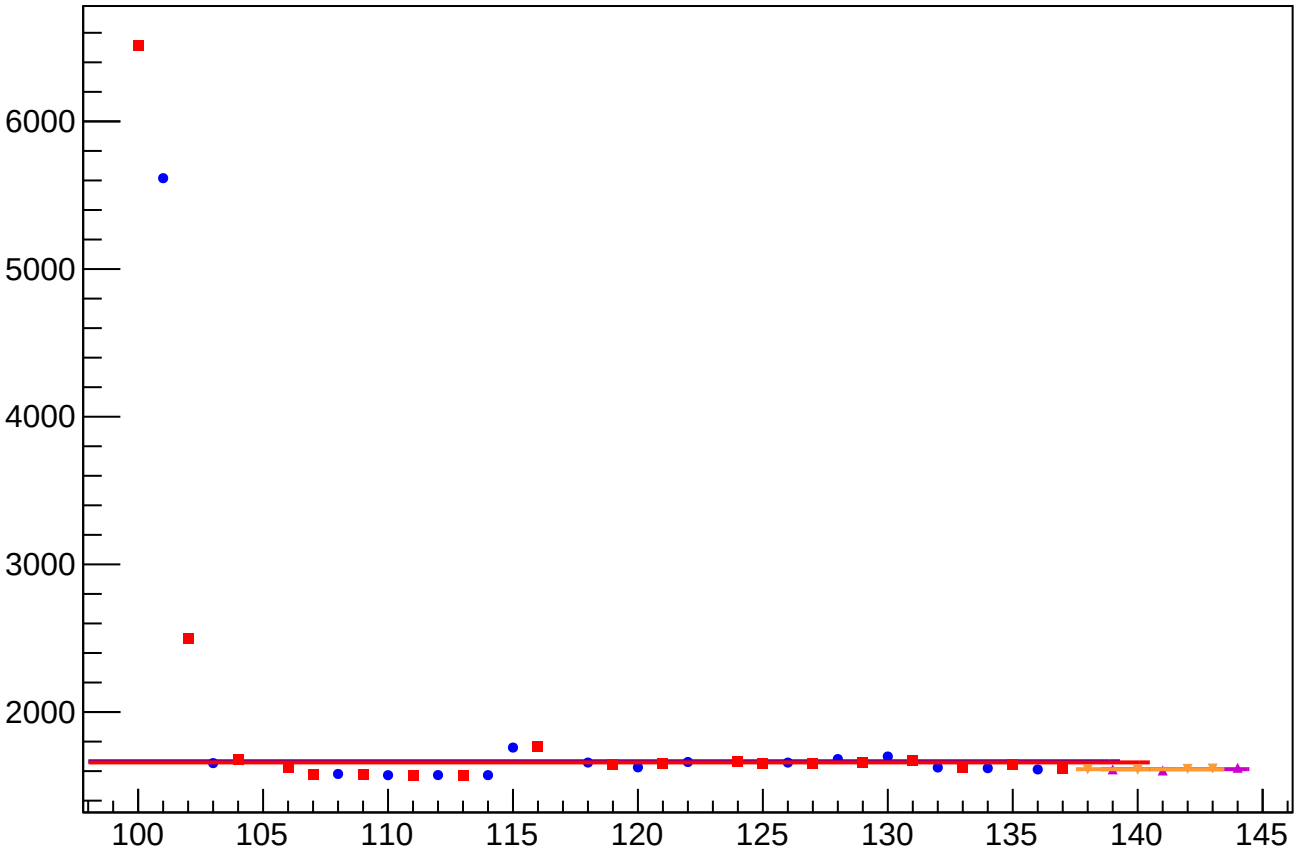
Left: 2630.073+/-687.015 χ^2/NDF: 4.4/6

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2897.363+/-534.512 χ^2/NDF:16.3/18

Out: 2148.637+/-517.799 χ^2/NDF:11.9/22

All: 2511.111+/-371.907 χ^2/NDF: 29.2/41



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.259+/-0.703 χ^2/NDF:118.8/2

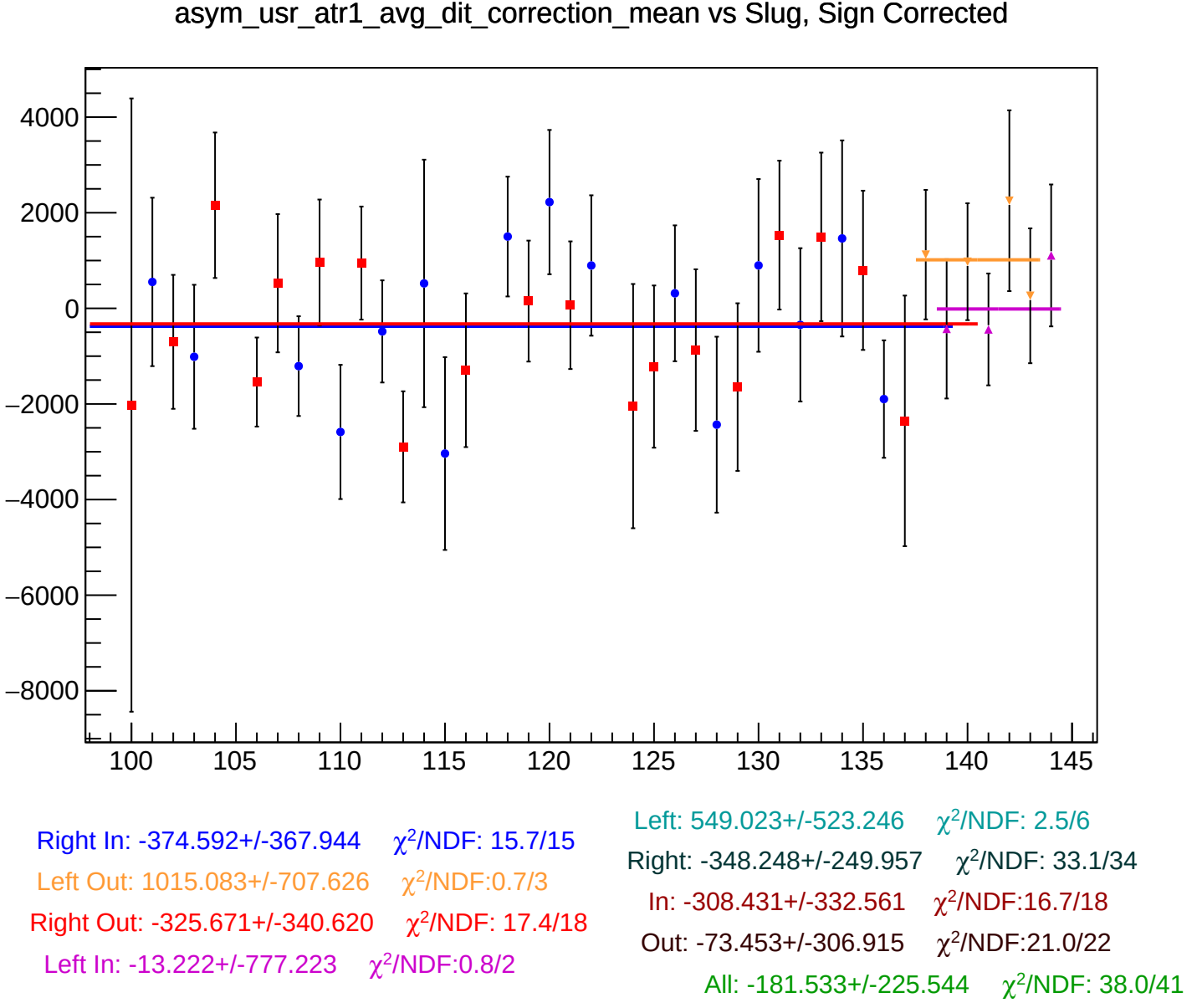
Left: 1613.095+/-0.486 χ^2/NDF: 141.5/6

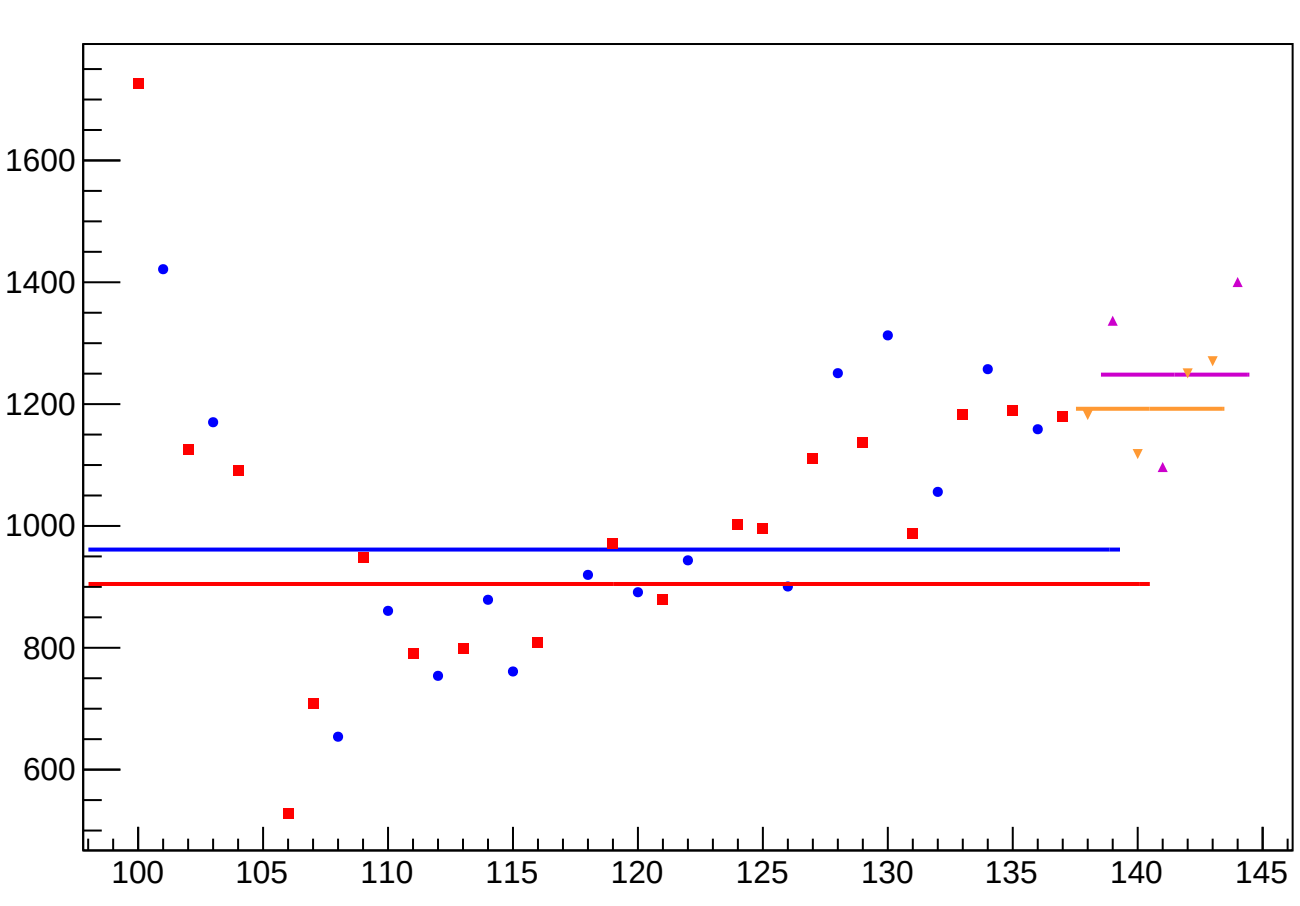
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1651.046+/-0.378 χ^2/NDF:667094.7/18

Out: 1645.328+/-0.366 χ^2/NDF:196550.0/22

All: 1648.097+/-0.263 χ^2/NDF: 863762.7/41


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 1015.083+/-707.626 χ²/NDF:0.7/3
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -13.222+/-777.223 χ²/NDF:0.8/2
Left: 549.023+/-523.246 χ²/NDF: 2.5/6
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -308.431+/-332.561 χ²/NDF:16.7/18
Out: -73.453+/-306.915 χ²/NDF:21.0/22
All: -181.533+/-225.544 χ²/NDF: 38.0/41



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1192.362+/-0.500 χ^2/NDF:15526.9/3

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1248.390+/-0.550 χ^2/NDF:61954.8/2

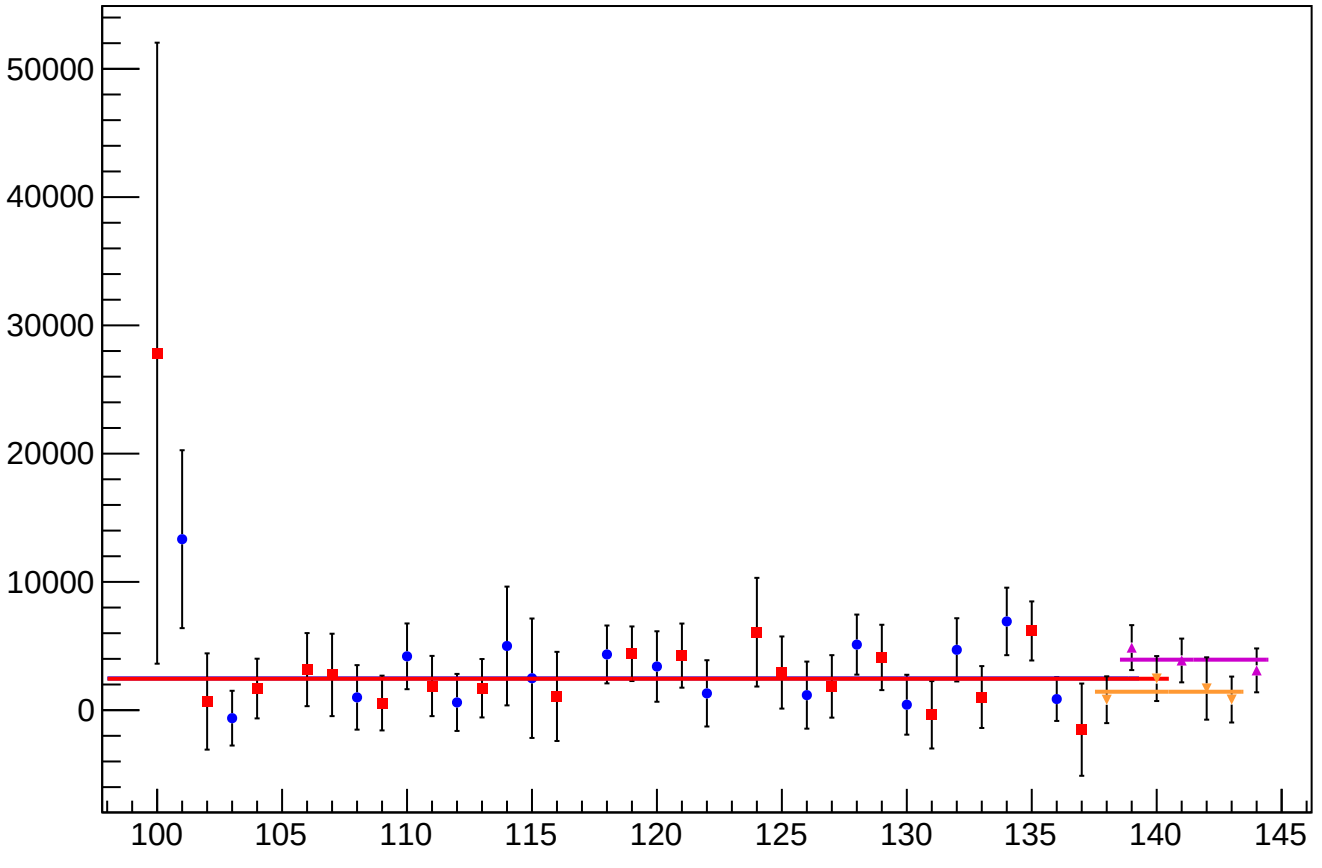
Left: 1217.756+/-0.370 χ^2/NDF: 83164.5/6

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 1013.815+/-0.235 χ^2/NDF:976840.9/18

Out: 958.843+/-0.217 χ^2/NDF:1020281.1/22

All: 984.128+/-0.159 χ^2/NDF: 2026633.1/41



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.284+/-950.255 χ^2/NDF:0.6/3

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3936.320+/-994.422 χ^2/NDF:0.5/2

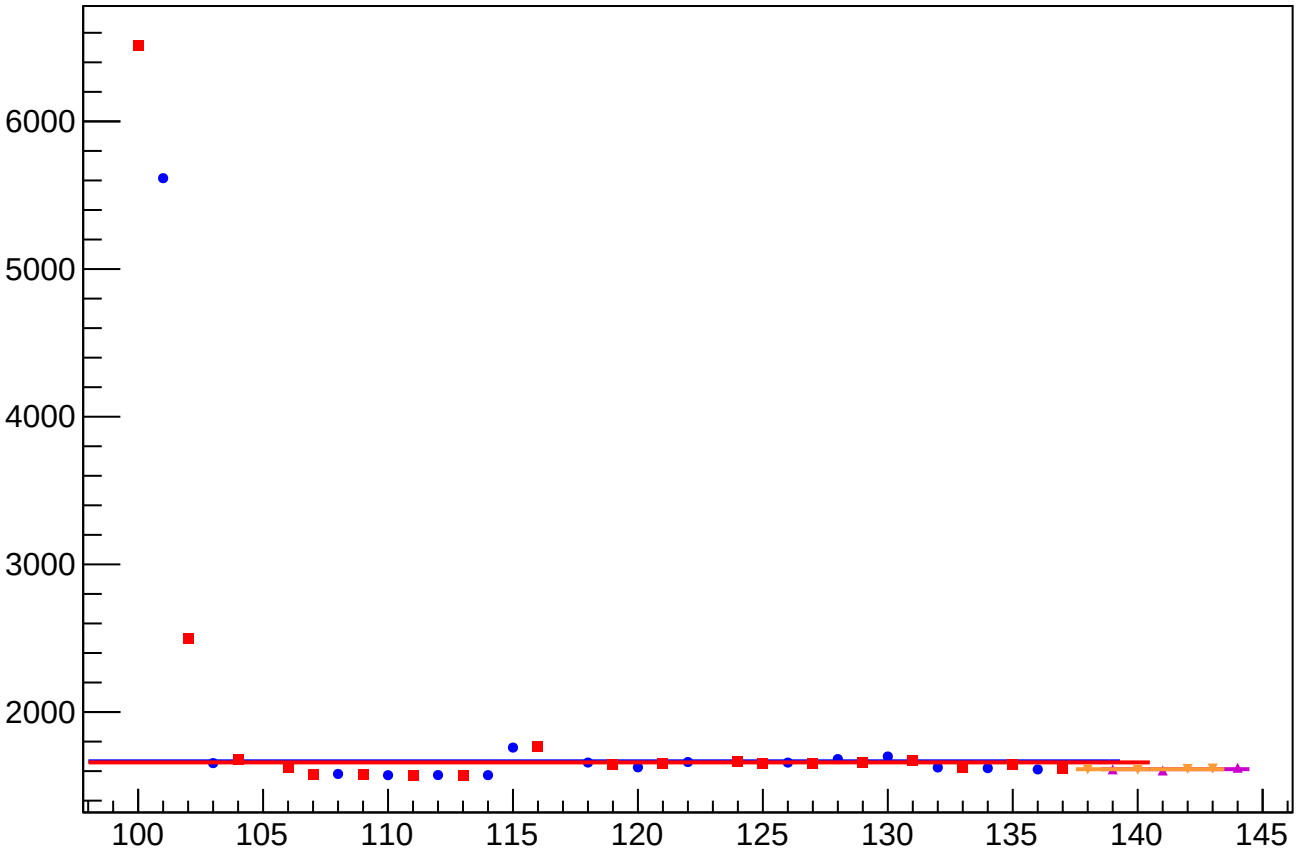
Left: 2630.072+/-687.015 χ^2/NDF: 4.4/6

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2897.362+/-534.512 χ^2/NDF:16.3/18

Out: 2148.637+/-517.799 χ^2/NDF:11.9/22

All: 2511.111+/-371.907 χ^2/NDF: 29.2/41



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.259+/-0.703 χ^2/NDF:118.8/2

Left: 1613.095+/-0.486 χ^2/NDF: 141.5/6

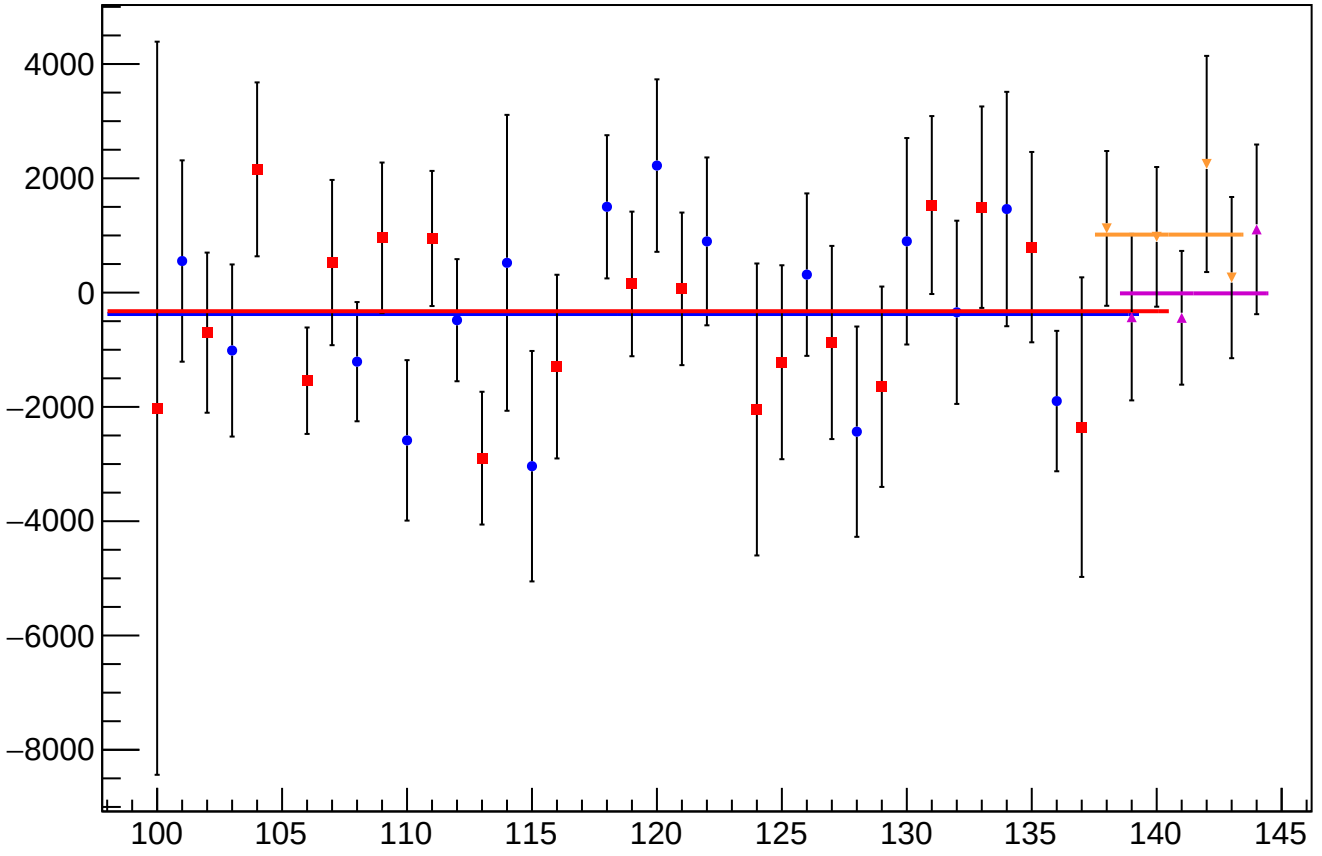
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1651.046+/-0.378 χ^2/NDF:667094.6/18

Out: 1645.328+/-0.366 χ^2/NDF:196549.8/22

All: 1648.097+/-0.263 χ^2/NDF: 863762.5/41

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 1015.084+/-707.627 χ^2/NDF:0.7/3

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -13.225+/-777.225 χ^2/NDF:0.8/2

Left: 549.023+/-523.247 χ^2/NDF: 2.5/6

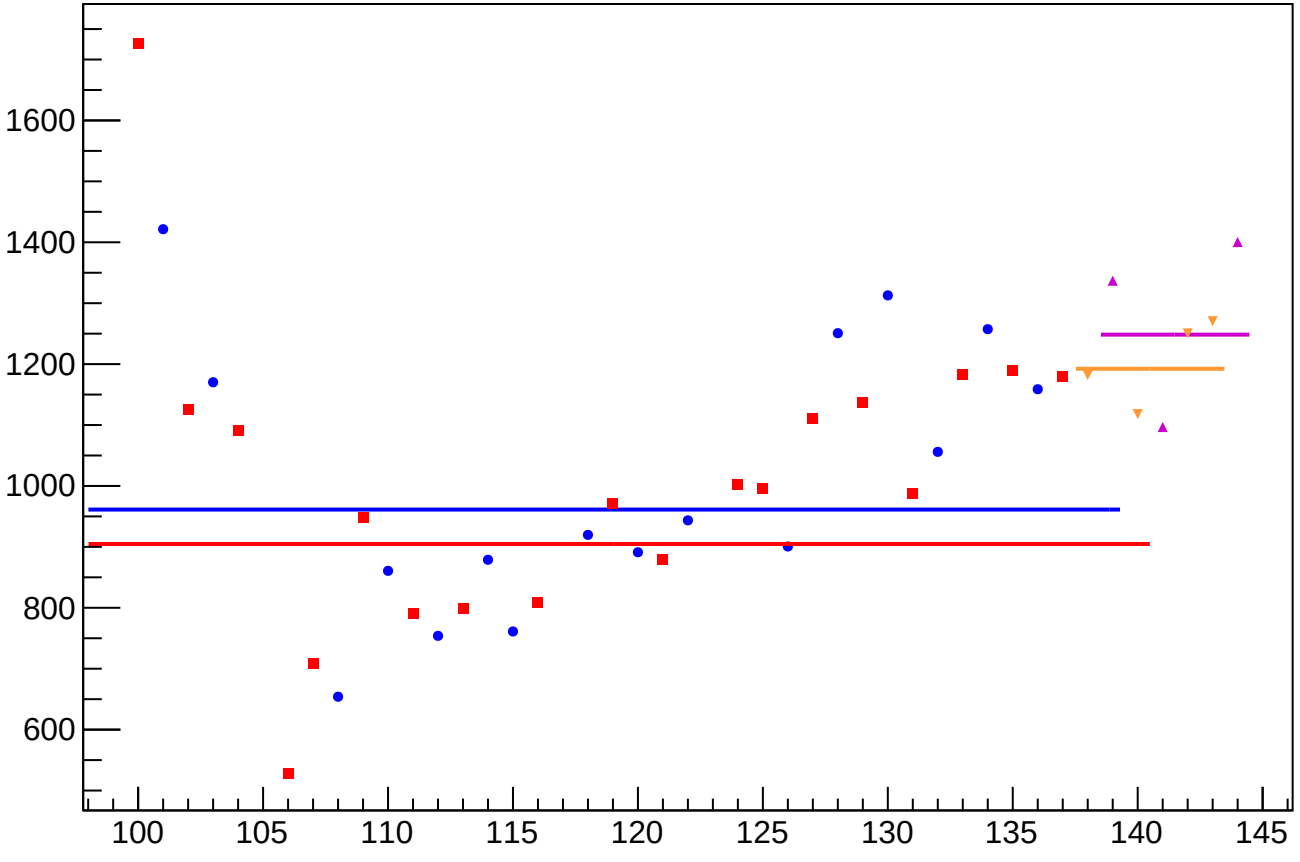
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -308.431+/-332.560 χ^2/NDF:16.7/18

Out: -73.454+/-306.914 χ^2/NDF:21.0/22

All: -181.534+/-225.543 χ^2/NDF: 38.0/41

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1192.364+/-0.500 χ^2/NDF:15526.9/3

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 1248.393+/-0.550 χ^2/NDF:61955.2/2

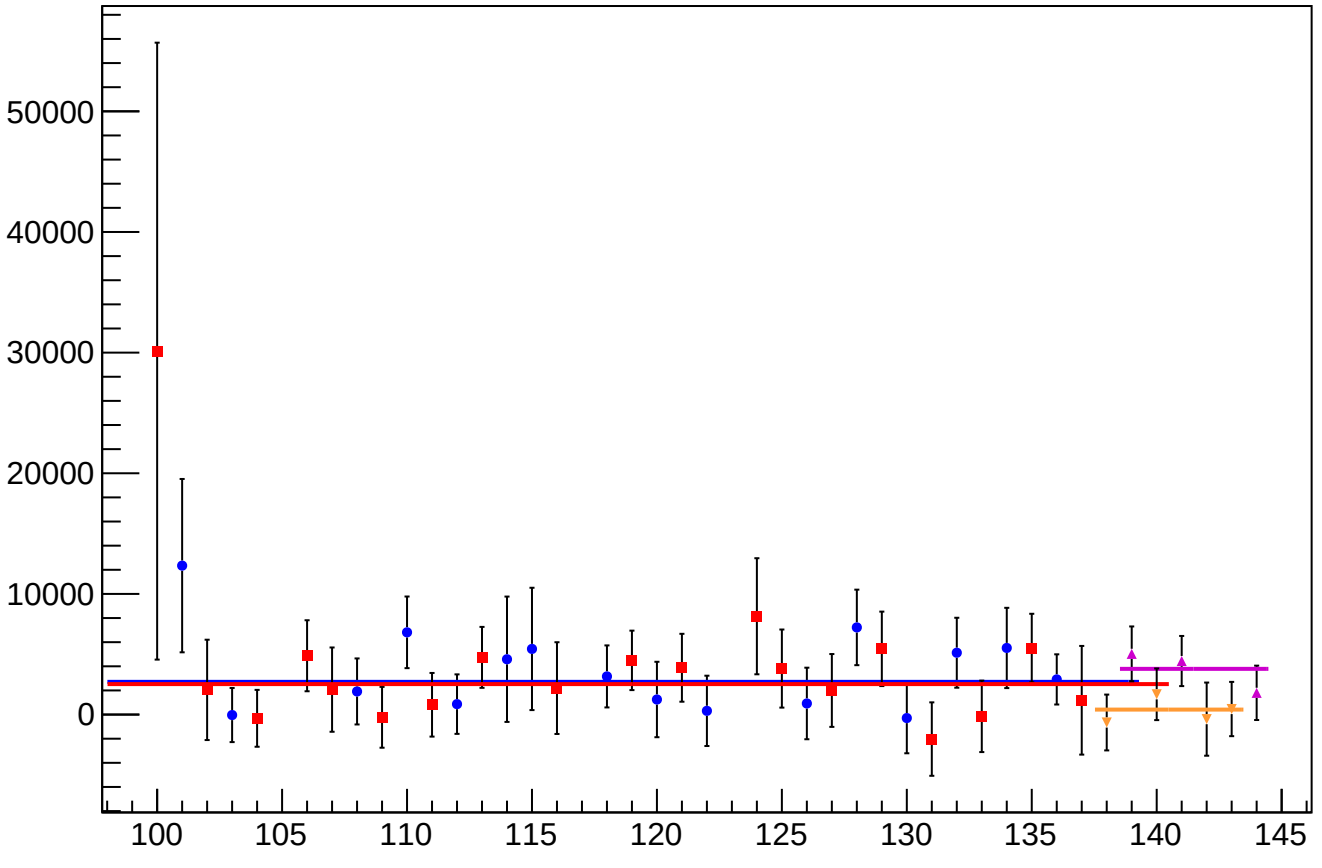
Left: 1217.758+/-0.370 χ^2/NDF: 83164.9/6

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 1013.812+/-0.235 χ^2/NDF:976859.2/18

Out: 958.841+/-0.217 χ^2/NDF:1020287.1/22

All: 984.125+/-0.159 χ^2/NDF: 2026656.2/41



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 412.551+/-1185.356 χ^2/NDF:0.6/3

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 3788.665+/-1267.521 χ^2/NDF:1.2/2

Left: 1987.643+/-865.764 χ^2/NDF: 5.6/6

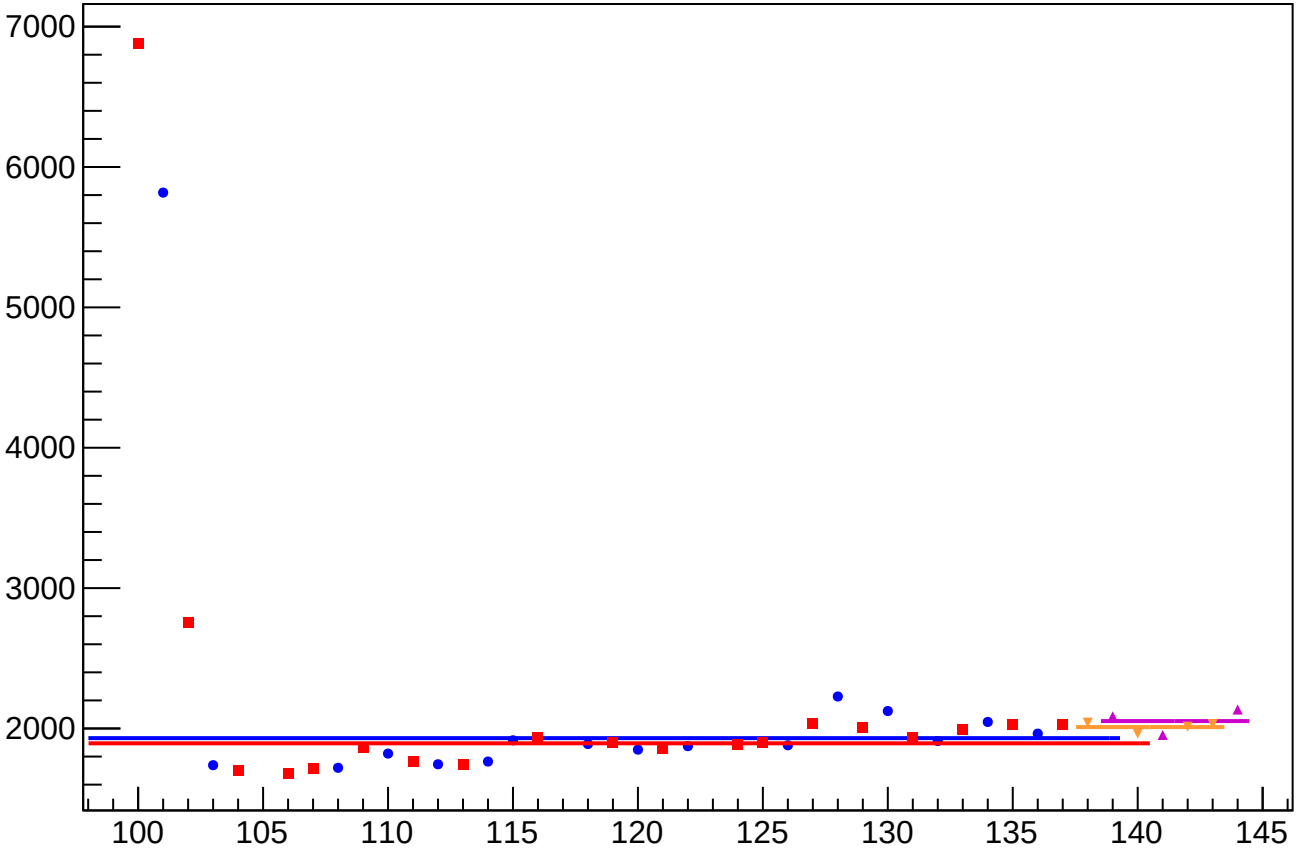
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2982.525+/-635.890 χ^2/NDF:13.8/18

Out: 1971.728+/-606.849 χ^2/NDF:16.2/22

All: 2453.518+/-439.015 χ^2/NDF: 31.4/41

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2010.073+/-0.838 χ^2/NDF:1505.9/3

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 2052.761+/-0.896 χ^2/NDF:7626.6/2

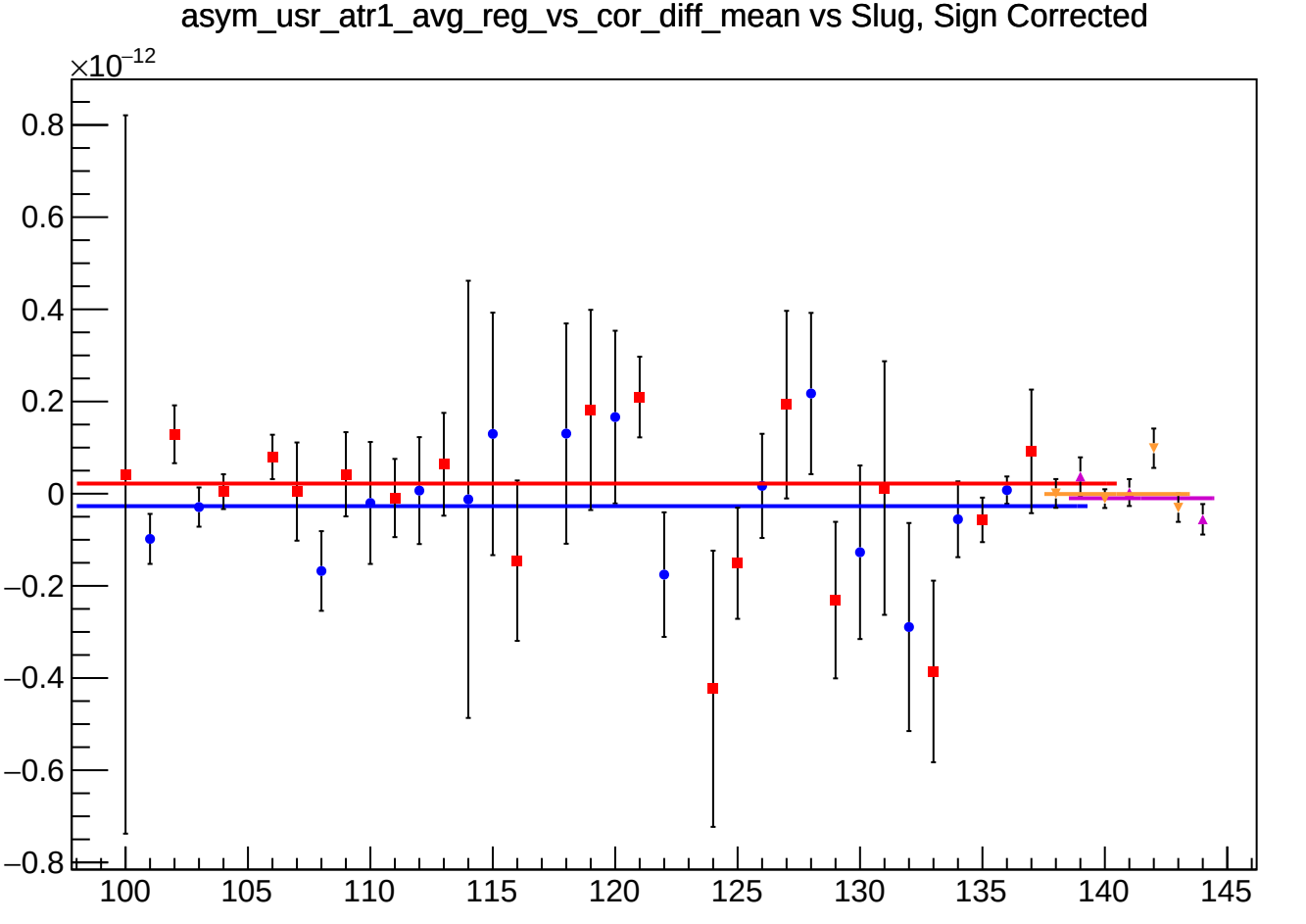
Left: 2029.989+/-0.612 χ^2/NDF: 10342.7/6

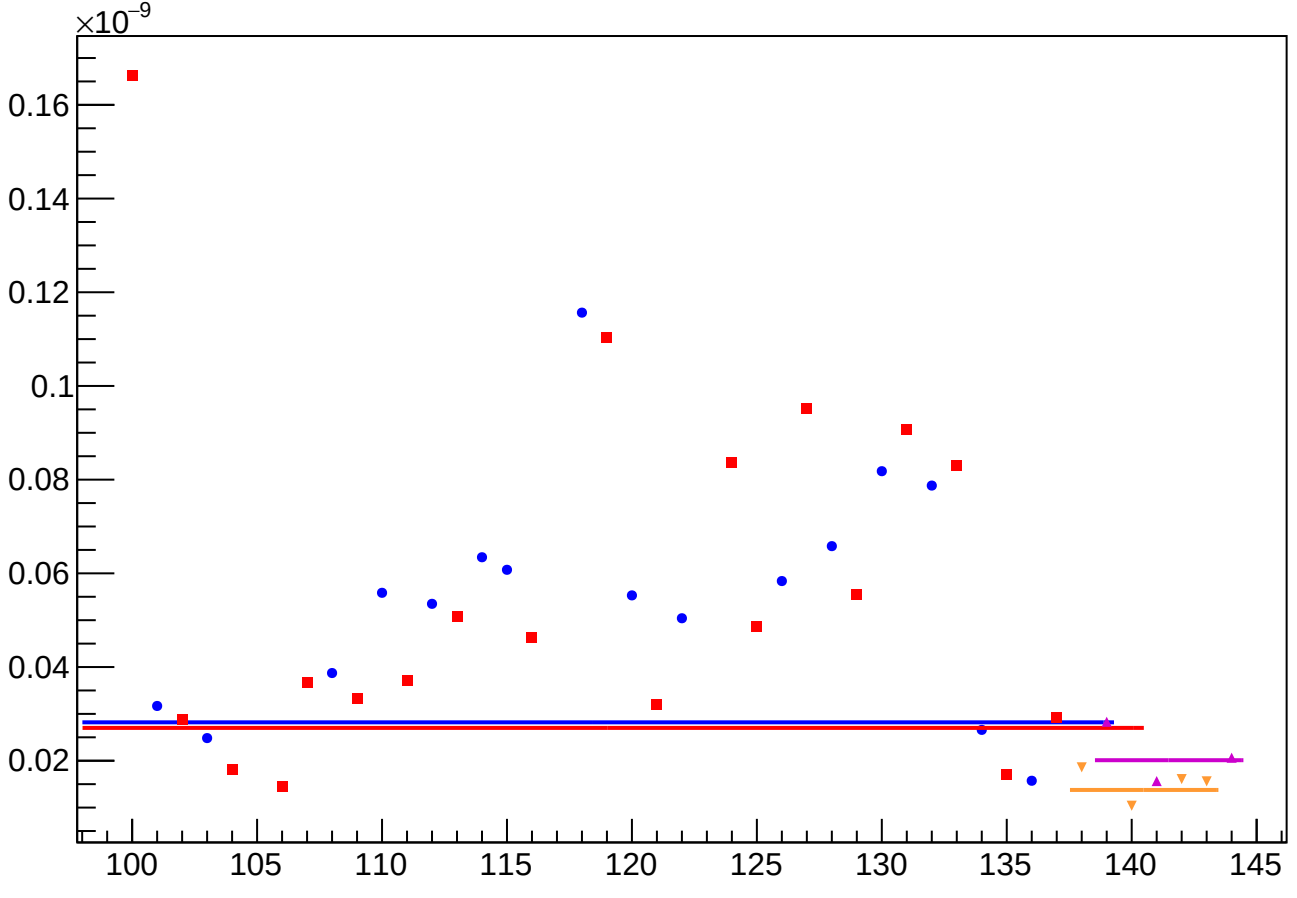
Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1961.832+/-0.450 χ^2/NDF:682607.9/18

Out: 1924.680+/-0.429 χ^2/NDF:236113.3/22

All: 1942.388+/-0.310 χ^2/NDF: 922294.3/41


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:6.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 25.4/18
Left In: -0.000+/-0.000 χ²/NDF:3.4/2
Left: -0.000+/-0.000 χ²/NDF: 10.1/6
Right: -0.000+/-0.000 χ²/NDF: 41.4/34
In: -0.000+/-0.000 χ²/NDF:16.5/18
Out: 0.000+/-0.000 χ²/NDF:32.9/22
All: -0.000+/-0.000 χ²/NDF: 51.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:115792.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:125228.5/2

Left: 0.000+/-0.000 χ^2/NDF: 381767.8/6

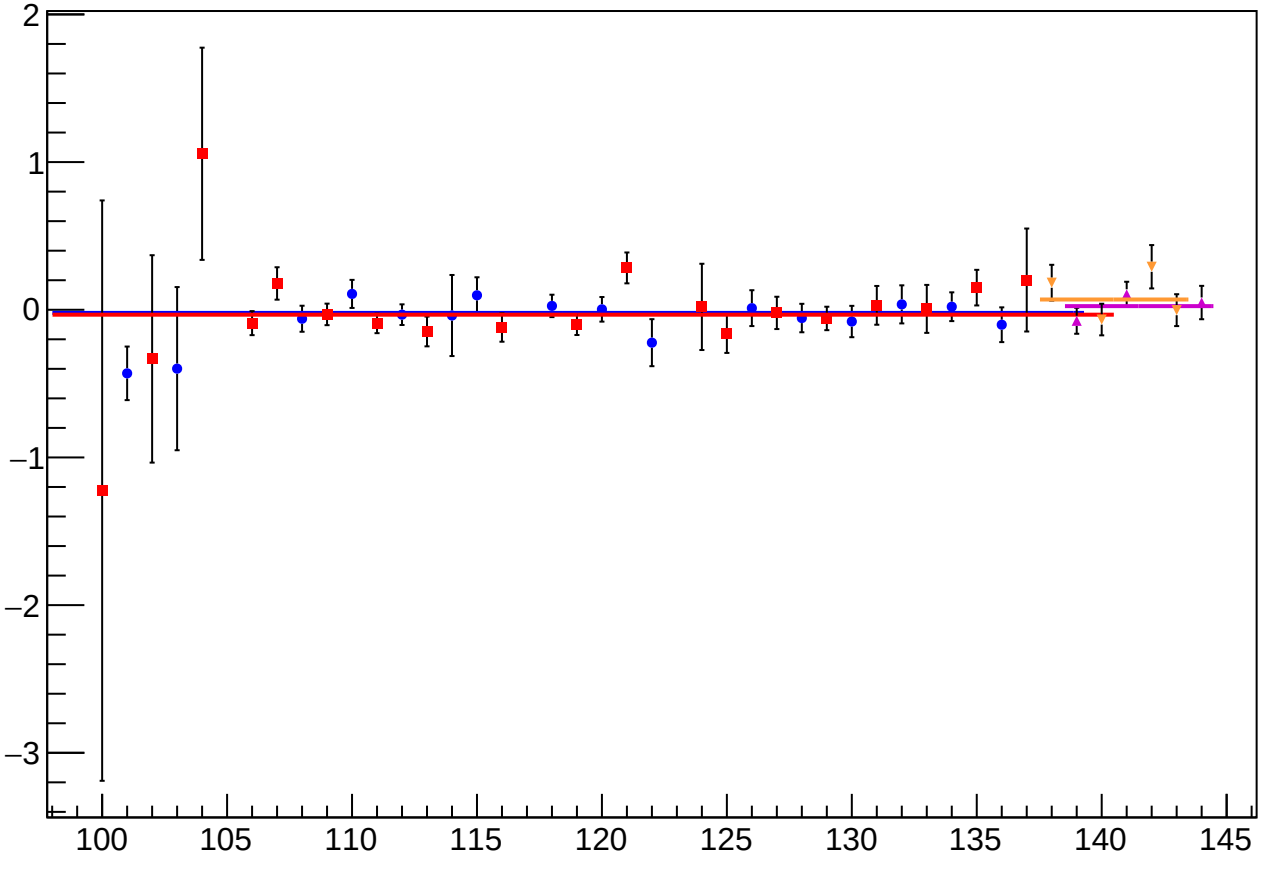
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1791991.5/18

Out: 0.000+/-0.000 χ^2/NDF:2284261.9/22

All: 0.000+/-0.000 χ^2/NDF: 4294258.2/41

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.025+/-0.054 χ^2/NDF:2.2/2

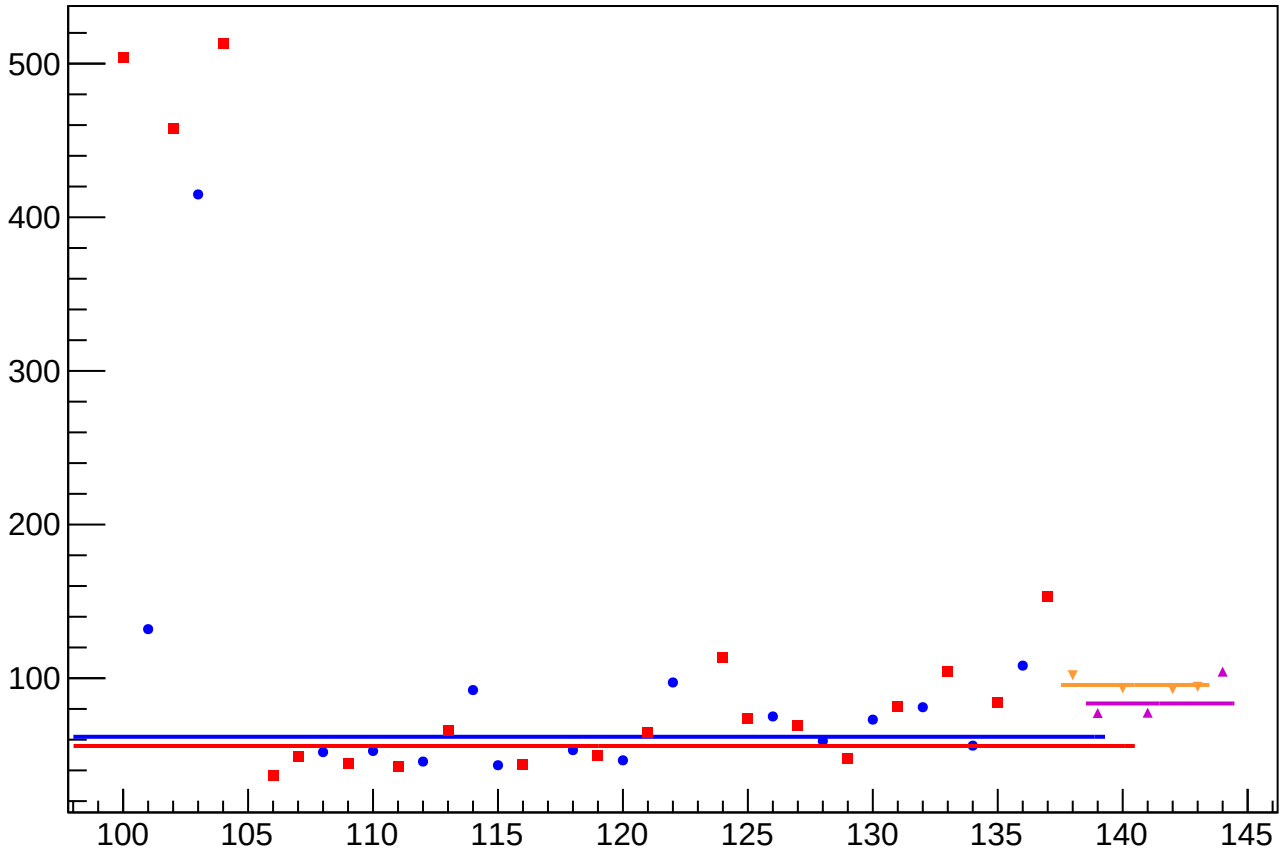
Left: 0.045+/-0.040 χ^2/NDF: 7.7/6

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.024 χ^2/NDF:14.8/18

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.015+/-0.016 χ^2/NDF: 47.0/41



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 95.607+/-0.042 χ^2/NDF:7250.3/3

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 83.559+/-0.038 χ^2/NDF:87090.7/2

Left: 89.039+/-0.028 χ^2/NDF: 139917.0/6

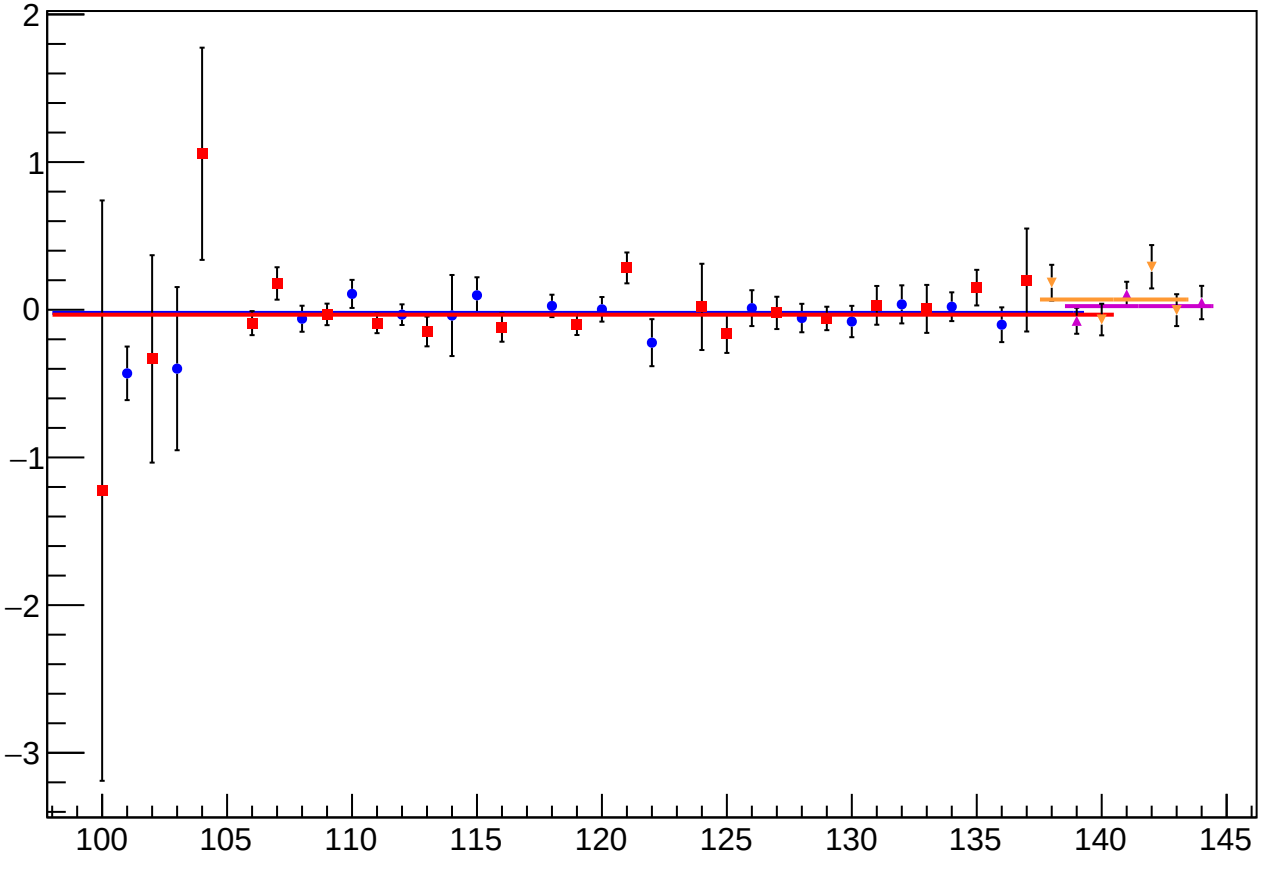
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 66.120+/-0.017 χ^2/NDF:2286018.0/18

Out: 61.775+/-0.016 χ^2/NDF:3372453.6/22

All: 63.843+/-0.012 χ^2/NDF: 5693364.5/41

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.025+/-0.054 χ^2/NDF:2.2/2

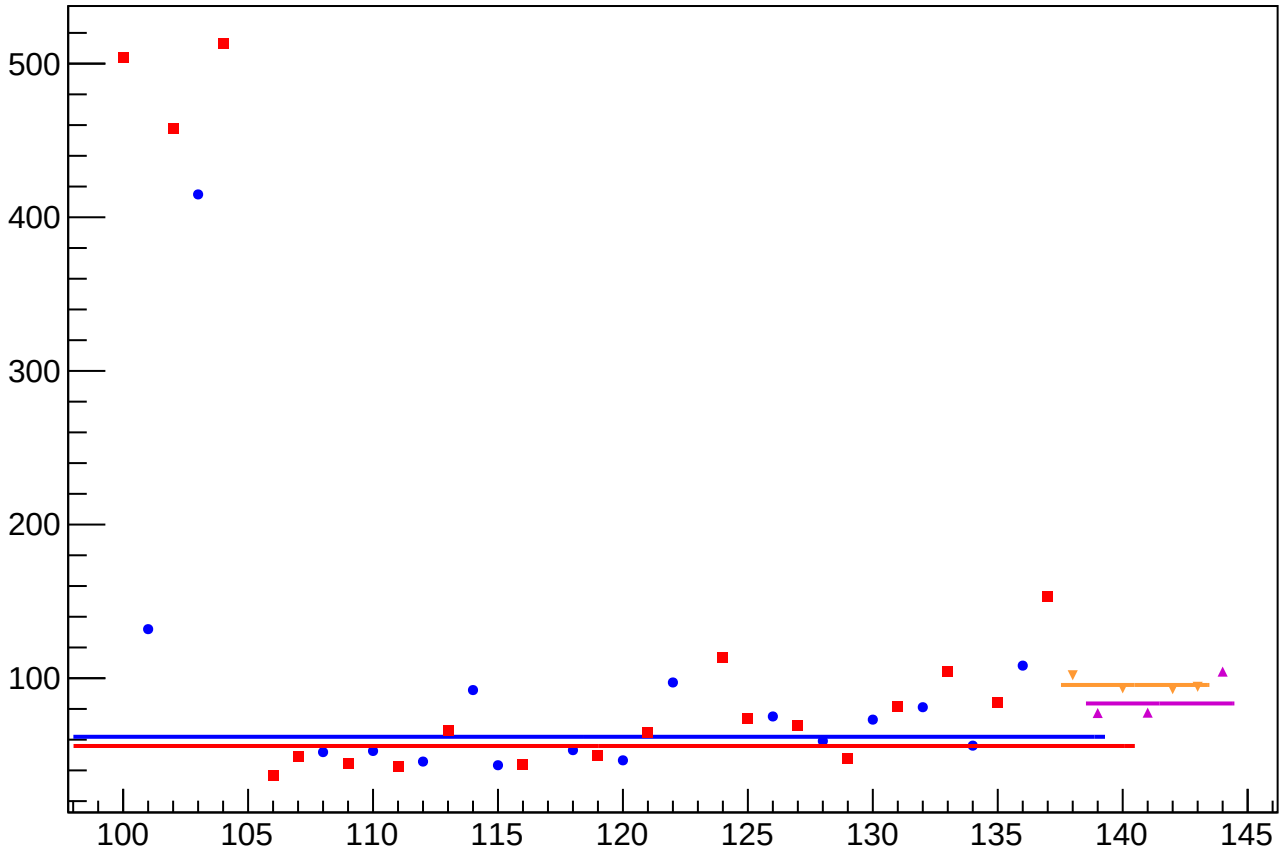
Left: 0.045+/-0.040 χ^2/NDF: 7.7/6

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.024 χ^2/NDF:14.8/18

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.015+/-0.016 χ^2/NDF: 47.0/41



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 95.607+/-0.042 χ^2/NDF:7250.3/3

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 83.559+/-0.038 χ^2/NDF:87090.7/2

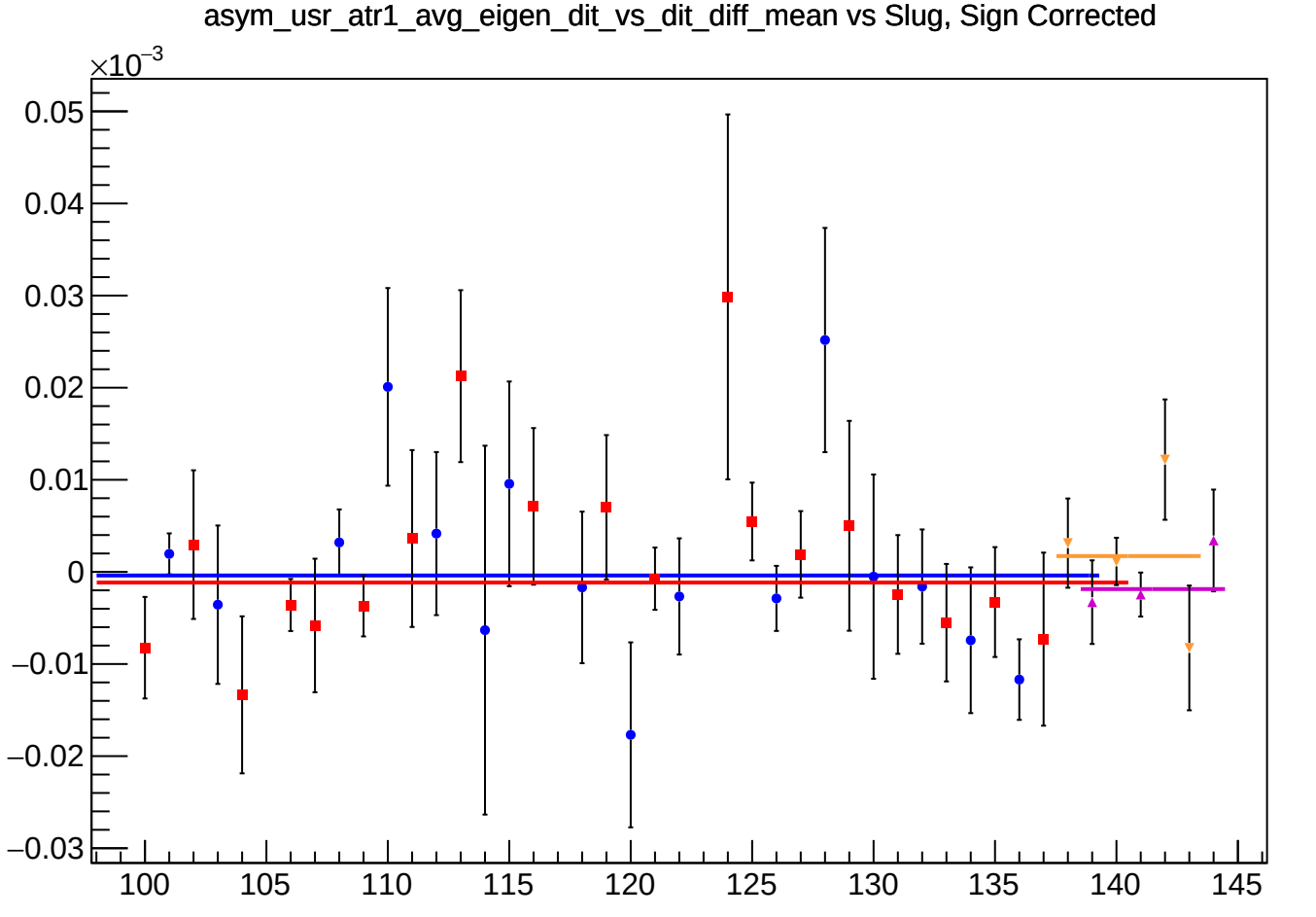
Left: 89.039+/-0.028 χ^2/NDF: 139917.0/6

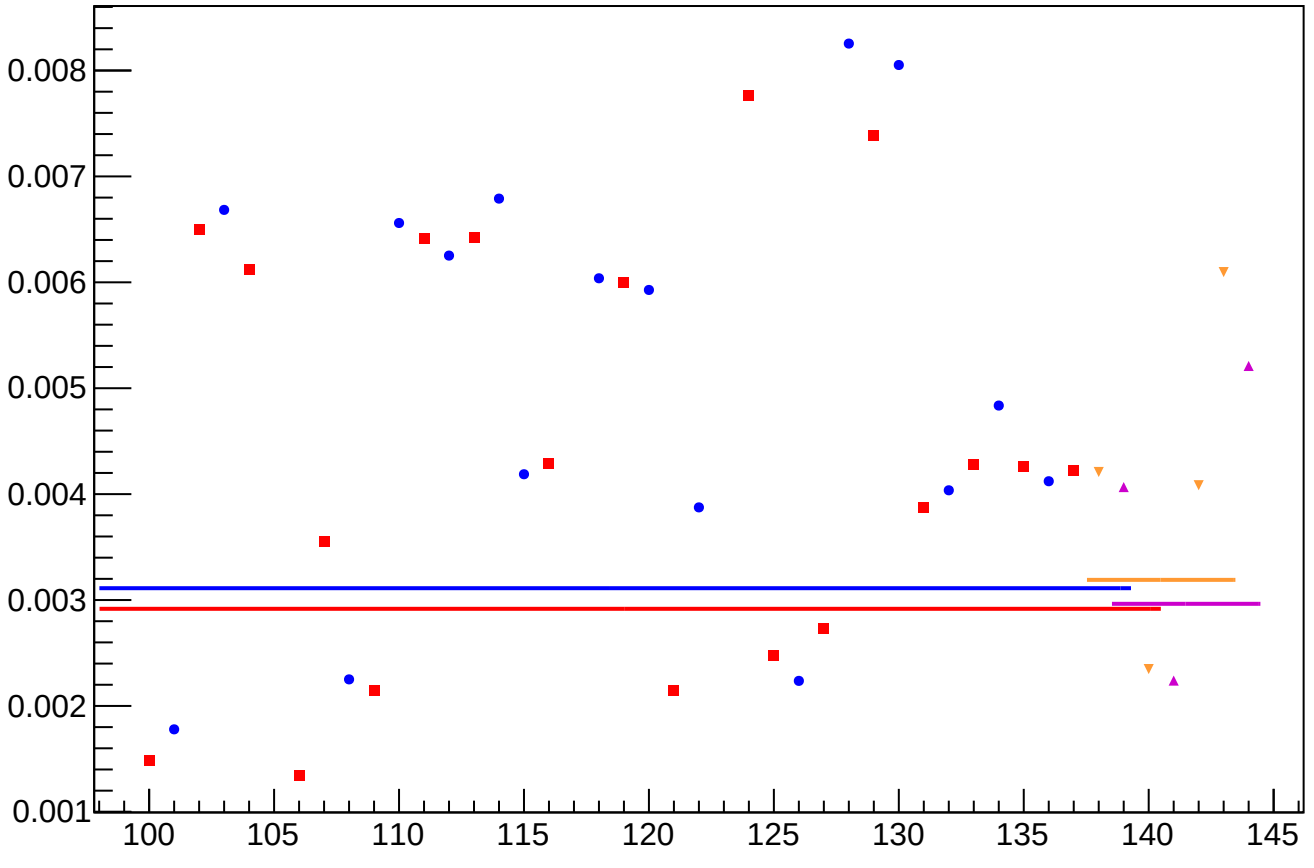
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 66.120+/-0.017 χ^2/NDF:2286018.0/18

Out: 61.775+/-0.016 χ^2/NDF:3372453.6/22

All: 63.843+/-0.012 χ^2/NDF: 5693364.5/41


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/3
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/2
Left: -0.000+/-0.000 χ²/NDF: 7.5/6
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:24.0/18
Out: -0.000+/-0.000 χ²/NDF:26.8/22
All: -0.000+/-0.000 χ²/NDF: 50.9/41



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:709728.7/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:633022.9/2

Left: 0.003+/-0.000 χ^2/NDF: 1355427.4/6

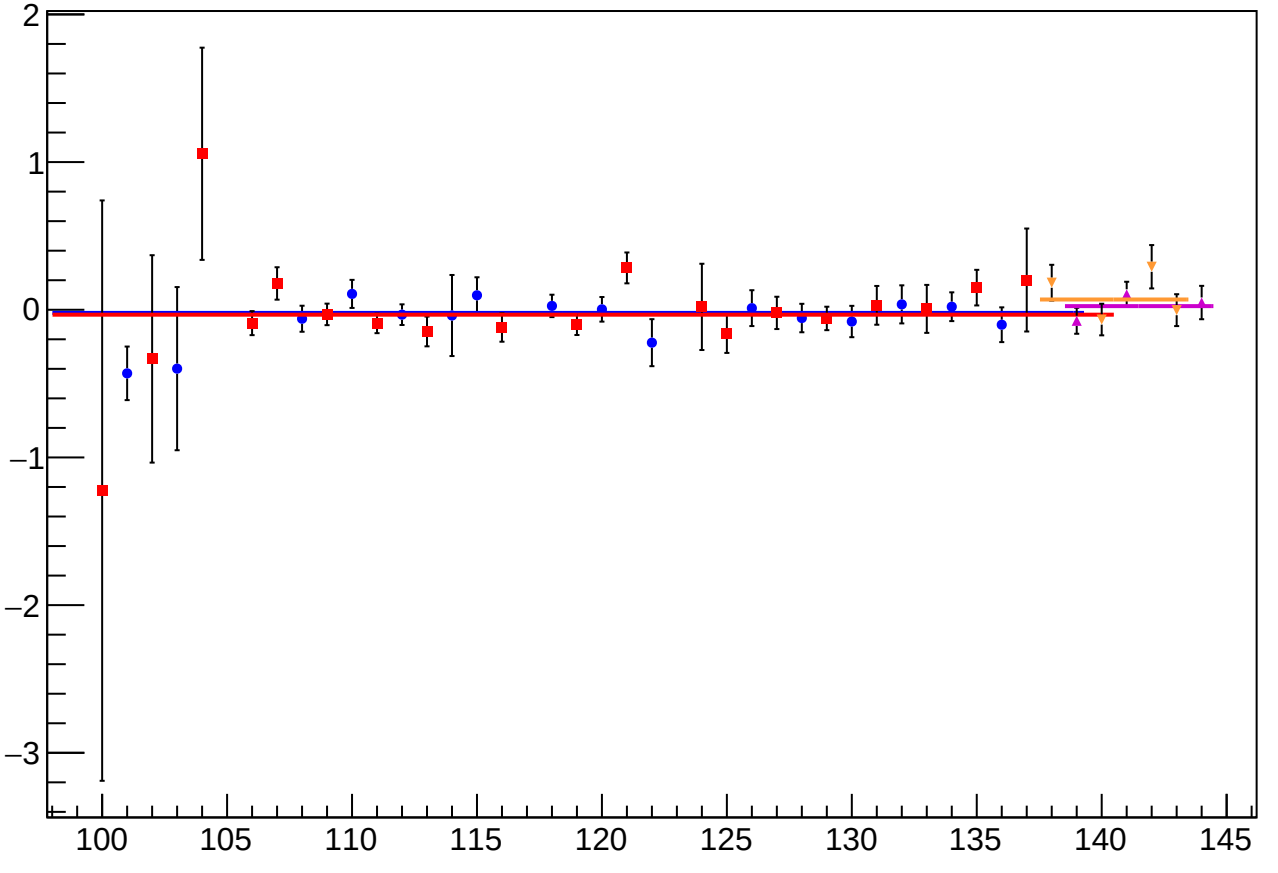
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:3924610.3/18

Out: 0.003+/-0.000 χ^2/NDF:4031240.2/22

All: 0.003+/-0.000 χ^2/NDF: 7960466.6/41

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.025+/-0.054 χ^2/NDF:2.2/2

Left: 0.045+/-0.040 χ^2/NDF: 7.7/6

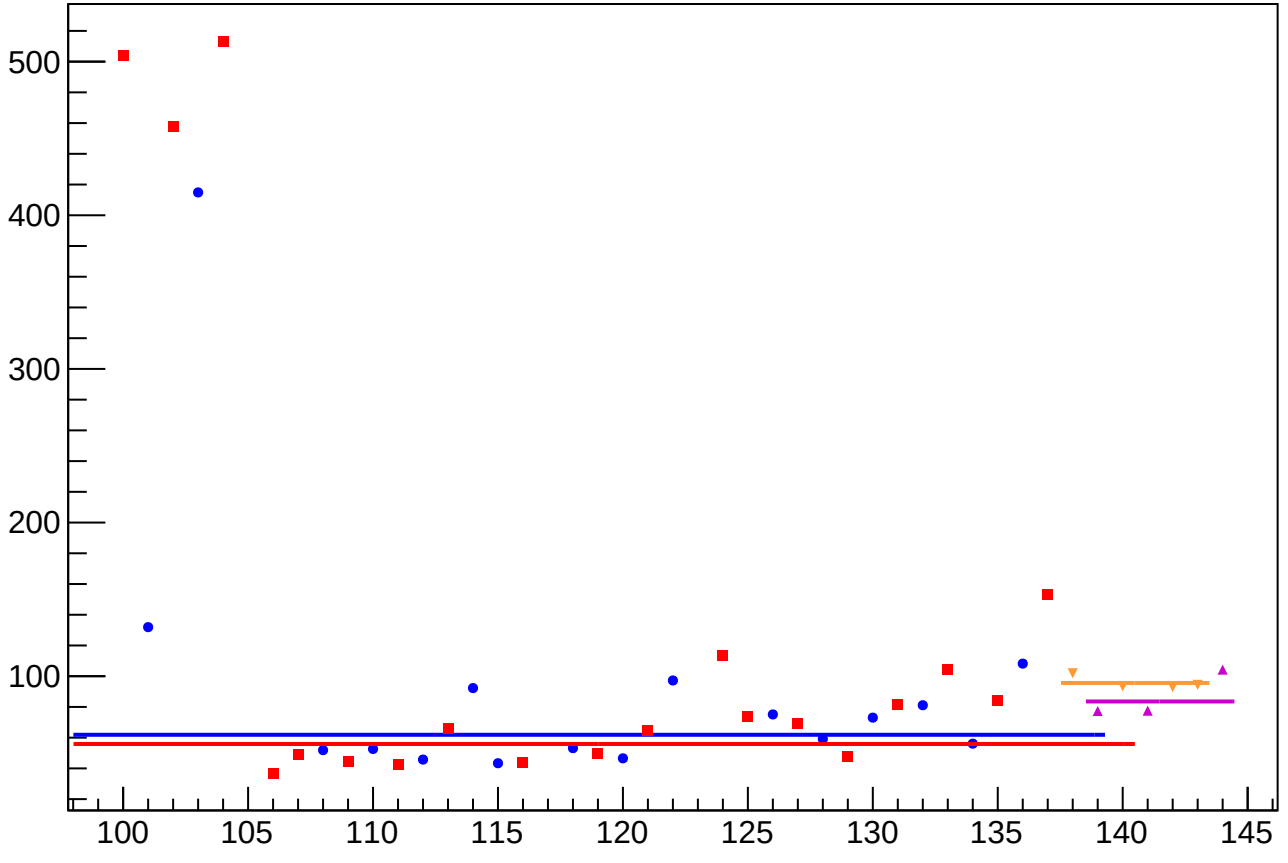
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.024 χ^2/NDF:14.8/18

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.015+/-0.016 χ^2/NDF: 47.0/41

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 95.608+/-0.042 χ^2/NDF:7250.8/3

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 83.559+/-0.038 χ^2/NDF:87092.7/2

Left: 89.040+/-0.028 χ^2/NDF: 139919.3/6

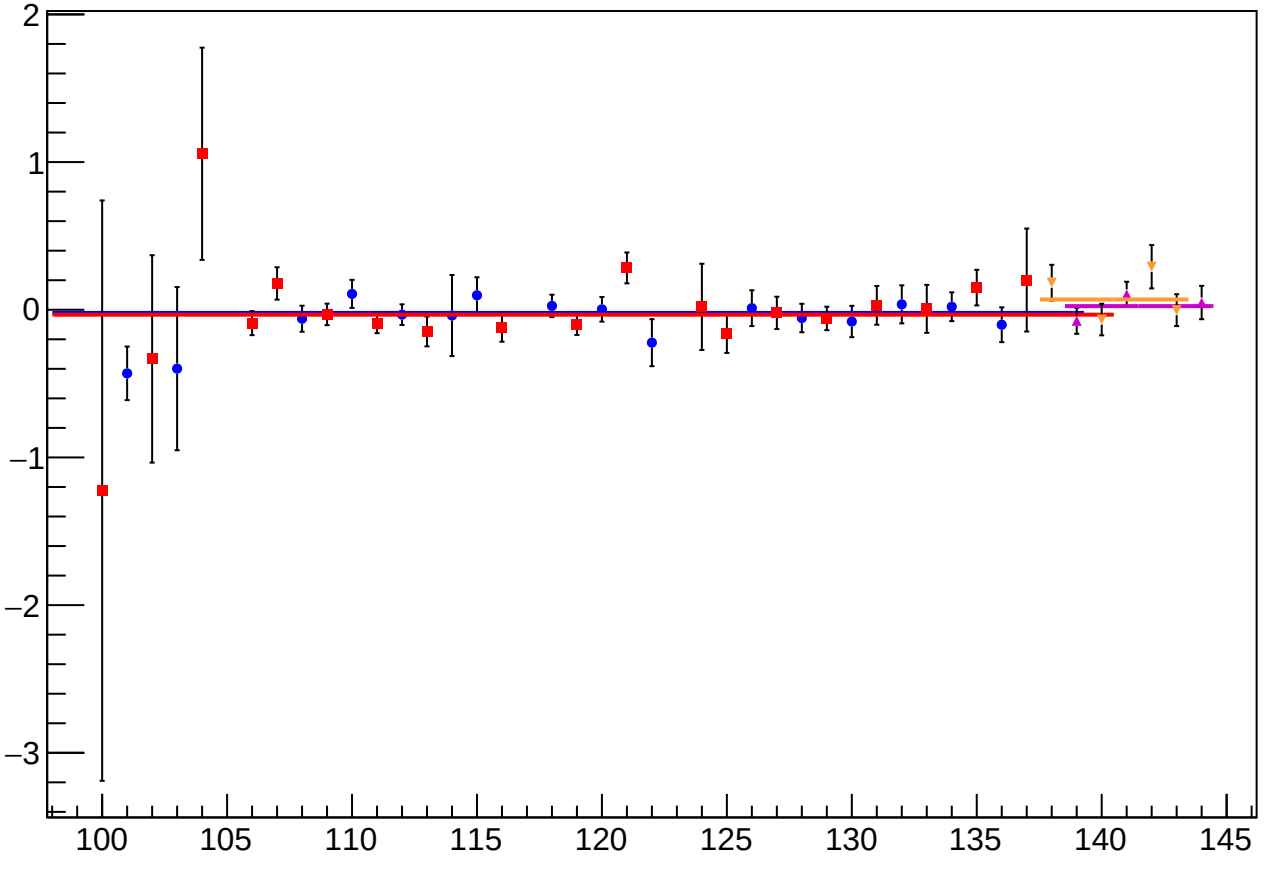
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 66.120+/-0.017 χ^2/NDF:2285993.0/18

Out: 61.775+/-0.016 χ^2/NDF:3372454.5/22

All: 63.842+/-0.012 χ^2/NDF: 5693345.0/41

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: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.025+/-0.054 χ^2/NDF:2.2/2

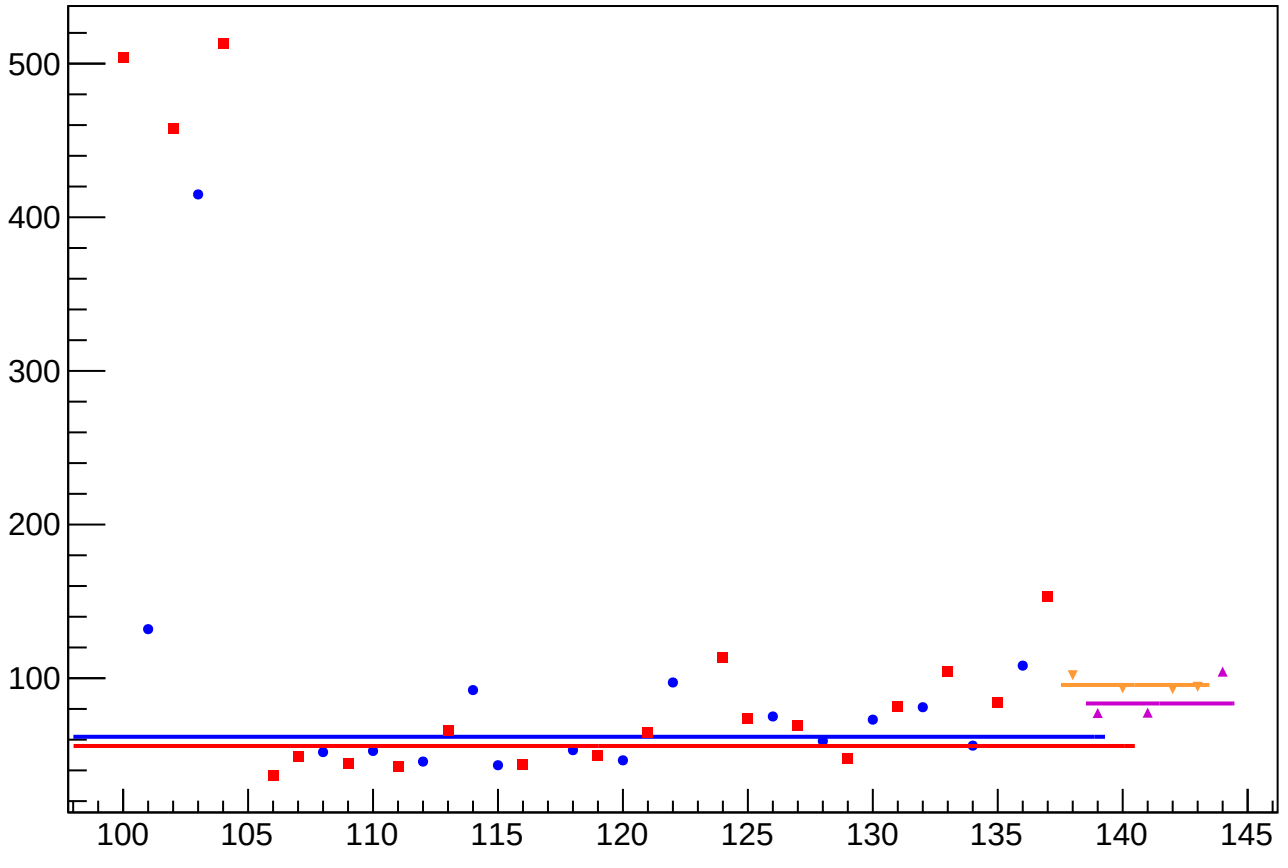
Left: 0.045+/-0.040 χ^2/NDF: 7.7/6

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.024 χ^2/NDF:14.8/18

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.015+/-0.016 χ^2/NDF: 47.0/41



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 95.608+/-0.042 χ^2/NDF:7250.8/3

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 83.559+/-0.038 χ^2/NDF:87092.7/2

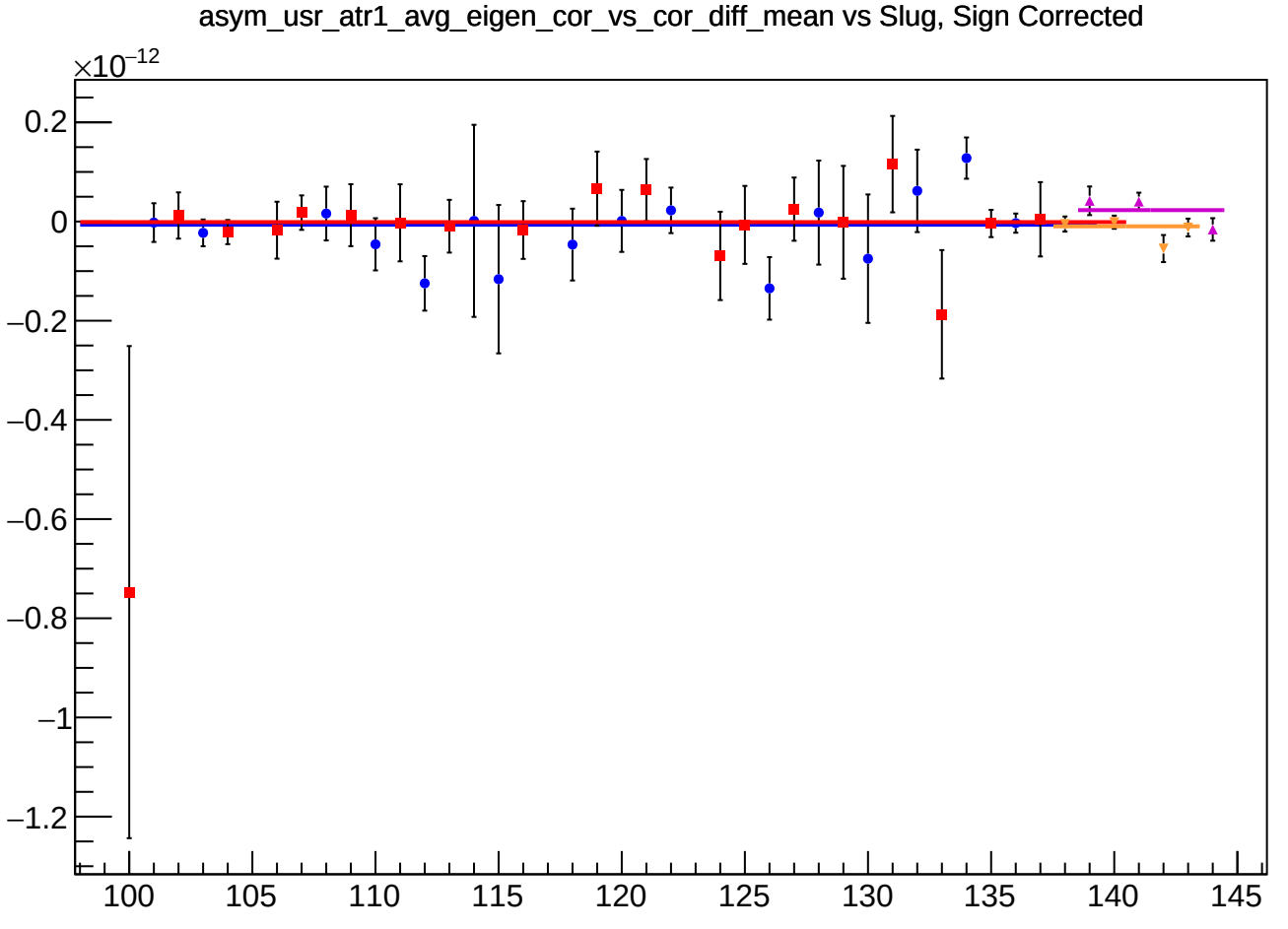
Left: 89.040+/-0.028 χ^2/NDF: 139919.3/6

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 66.120+/-0.017 χ^2/NDF:2285993.0/18

Out: 61.775+/-0.016 χ^2/NDF:3372454.5/22

All: 63.842+/-0.012 χ^2/NDF: 5693345.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/2

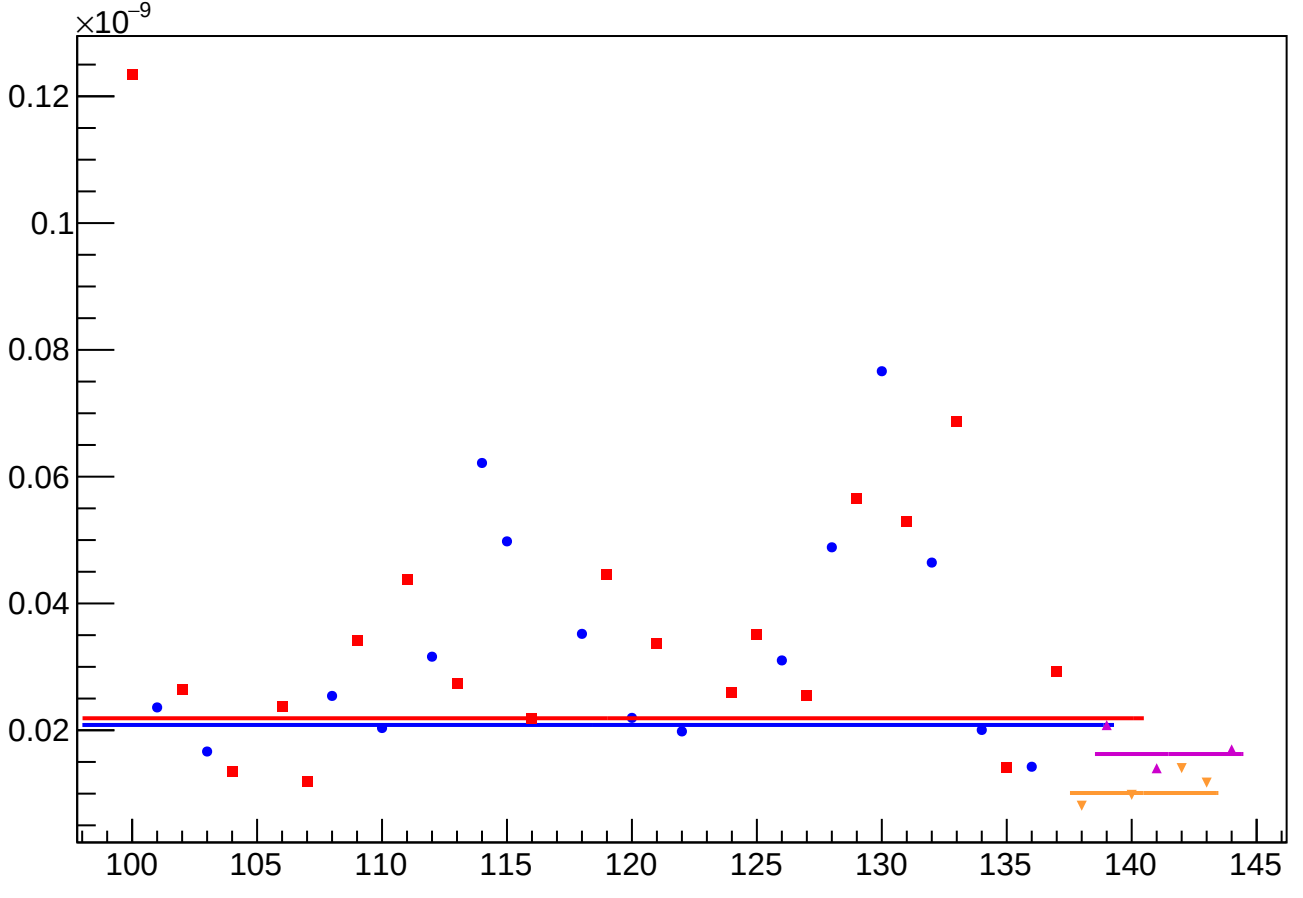
Left: 0.000+/-0.000 χ^2/NDF: 12.1/6

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:29.9/18

Out: -0.000+/-0.000 χ^2/NDF:13.3/22

All: -0.000+/-0.000 χ^2/NDF: 44.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:93541.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:83010.2/2

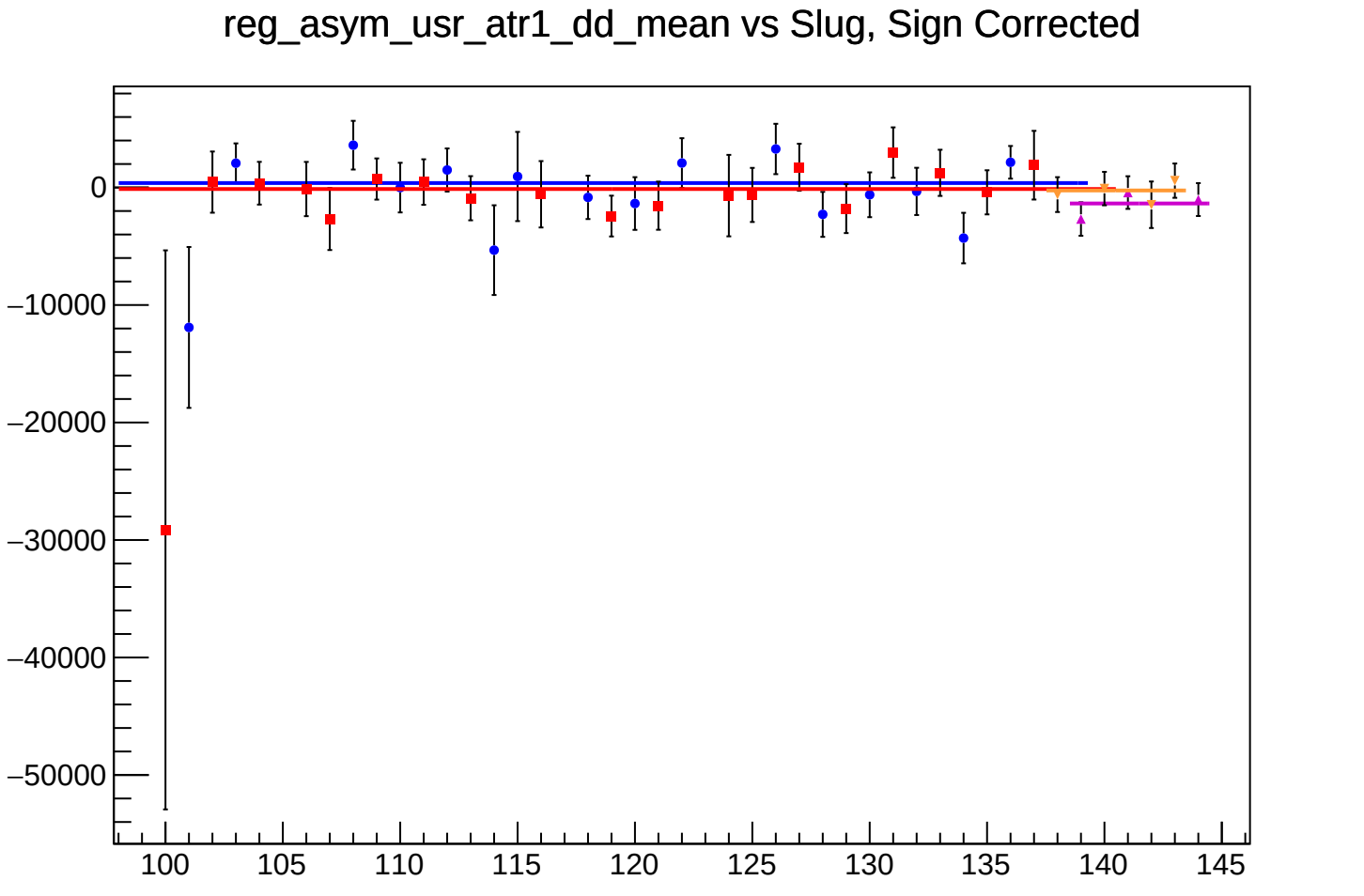
Left: 0.000+/-0.000 χ^2/NDF: 505250.0/6

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1613410.5/18

Out: 0.000+/-0.000 χ^2/NDF:3318953.3/22

All: 0.000+/-0.000 χ^2/NDF: 5330503.7/41



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.480+/-773.273 χ^2/NDF:0.8/3

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -1359.281+/-810.639 χ^2/NDF:1.4/2

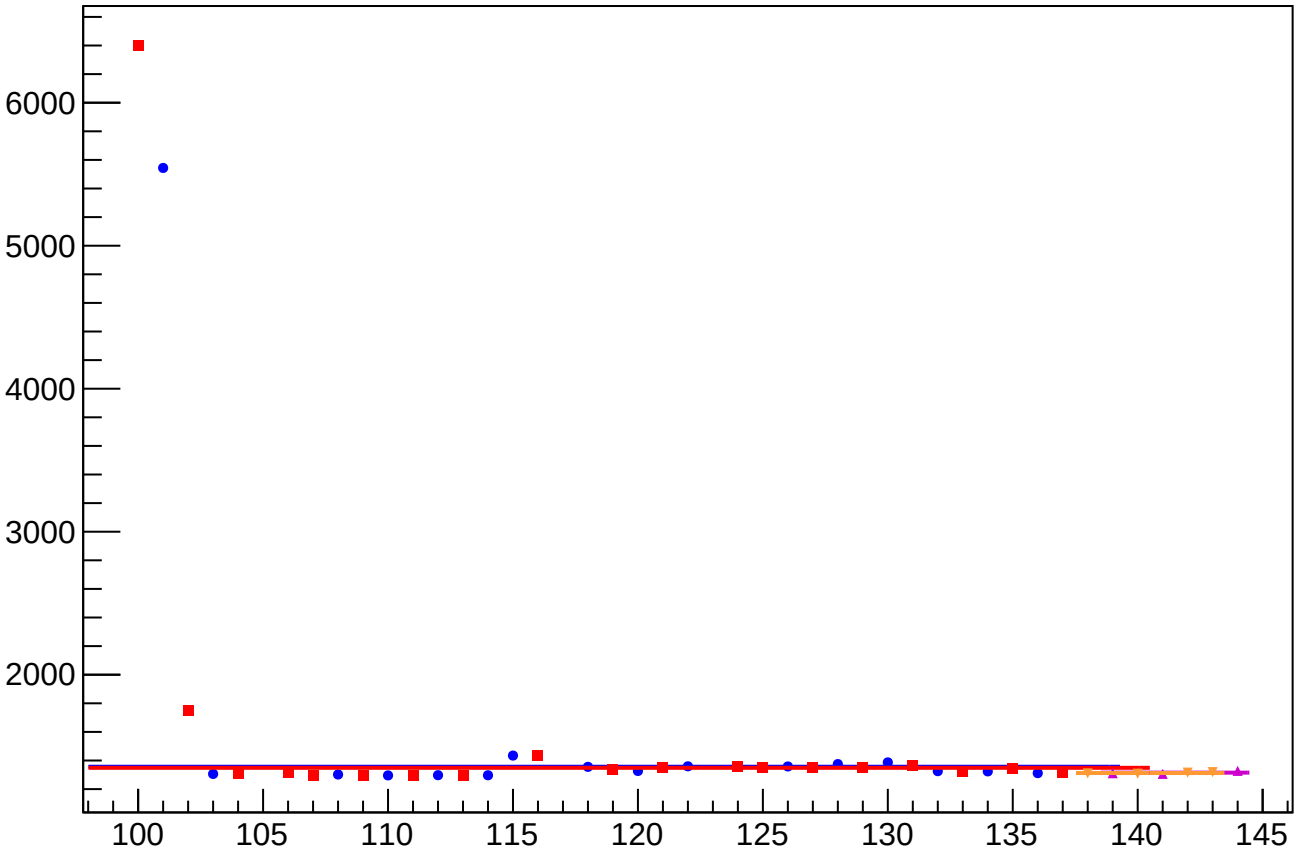
Left: -778.737+/-559.530 χ^2/NDF: 3.1/6

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -122.992+/-436.368 χ^2/NDF:26.2/18

Out: -164.161+/-420.457 χ^2/NDF:10.8/22

All: -144.341+/-302.777 χ^2/NDF: 36.9/41



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

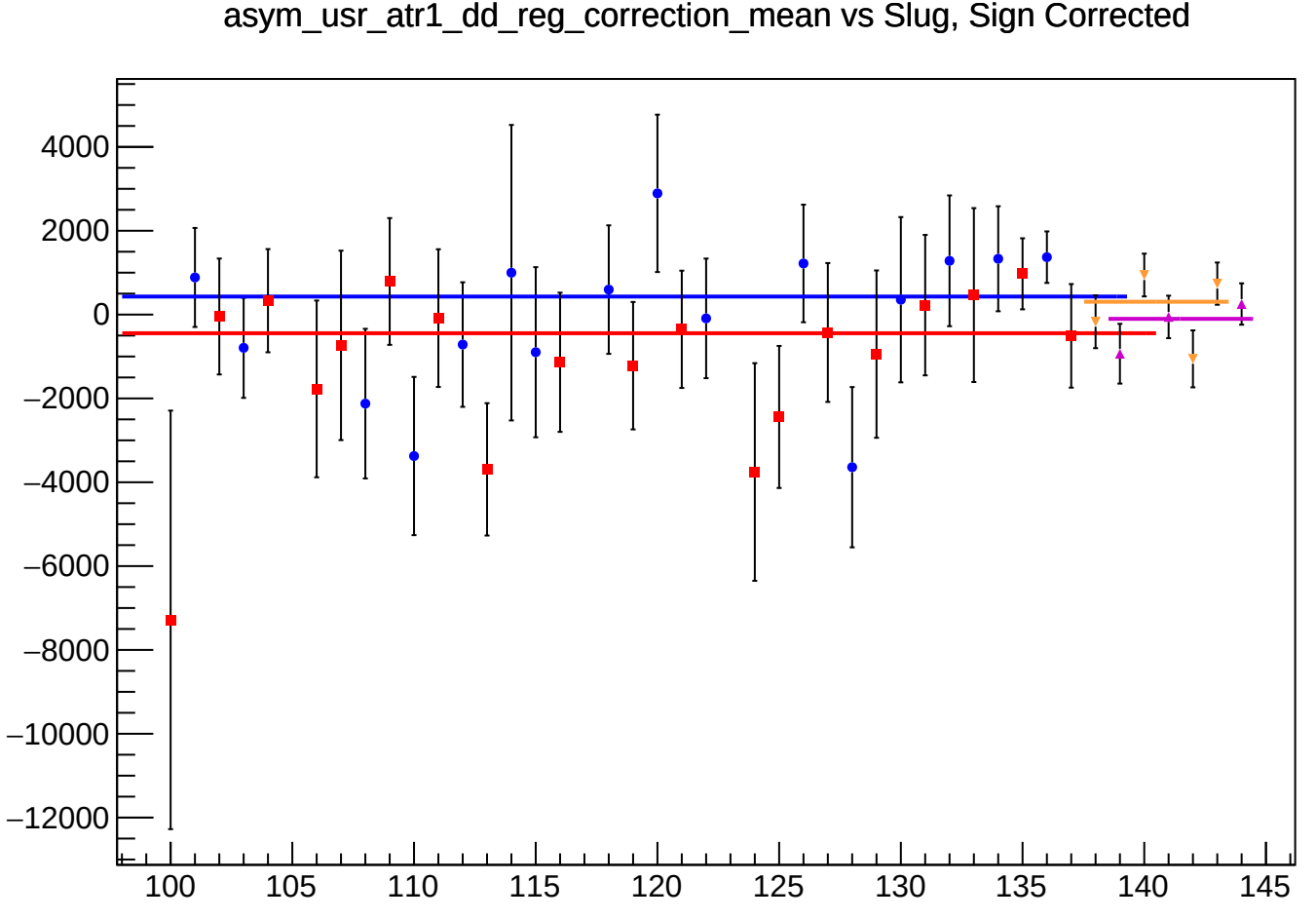
Left: 1313.790+/-0.396 χ^2/NDF: 323.8/6

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1344.445+/-0.309 χ^2/NDF:764192.7/18

Out: 1338.207+/-0.297 χ^2/NDF:150454.9/22

All: 1341.210+/-0.214 χ^2/NDF: 914859.6/41



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 306.375+/-283.100 χ^2/NDF:6.9/3

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -101.694+/-316.504 χ^2/NDF:1.9/2

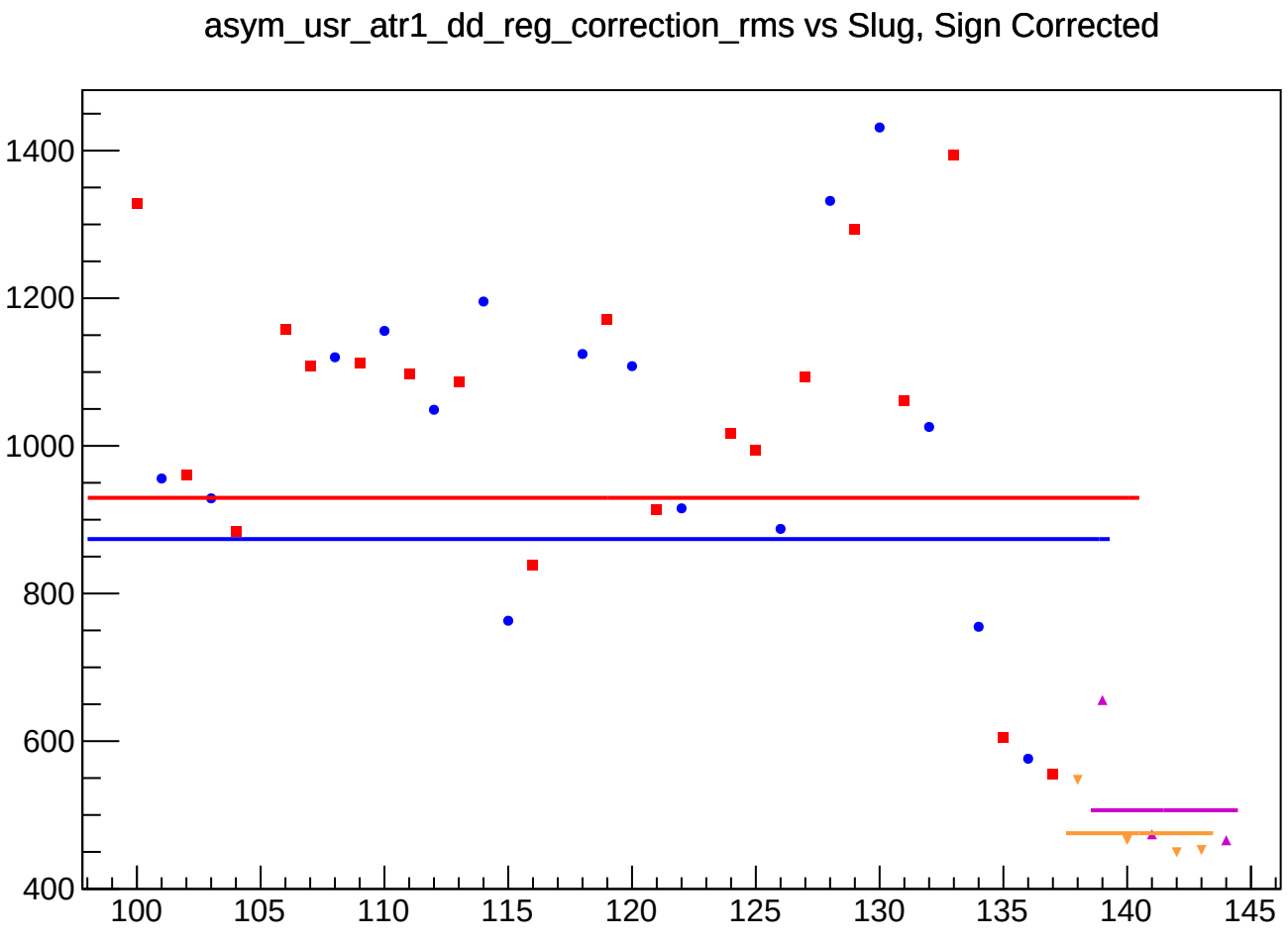
Left: 125.003+/-211.007 χ^2/NDF: 9.7/6

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 146.519+/-231.174 χ^2/NDF:21.4/18

Out: 15.059+/-221.481 χ^2/NDF:24.0/22

All: 77.975+/-159.928 χ^2/NDF: 45.6/41



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 475.289+/-0.200 χ^2/NDF:33968.6/3

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 506.334+/-0.224 χ^2/NDF:109606.0/2

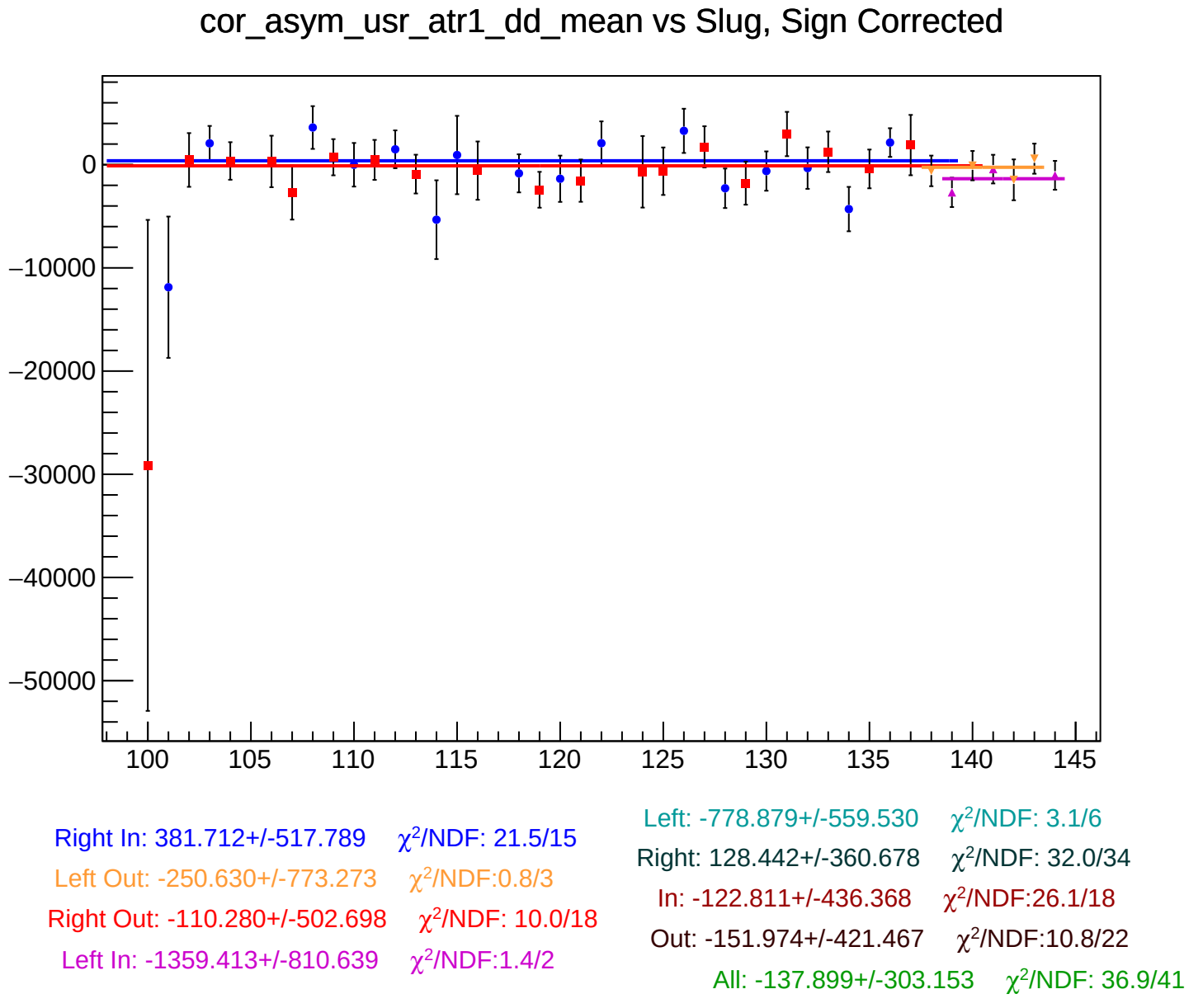
Left: 489.087+/-0.149 χ^2/NDF: 154264.4/6

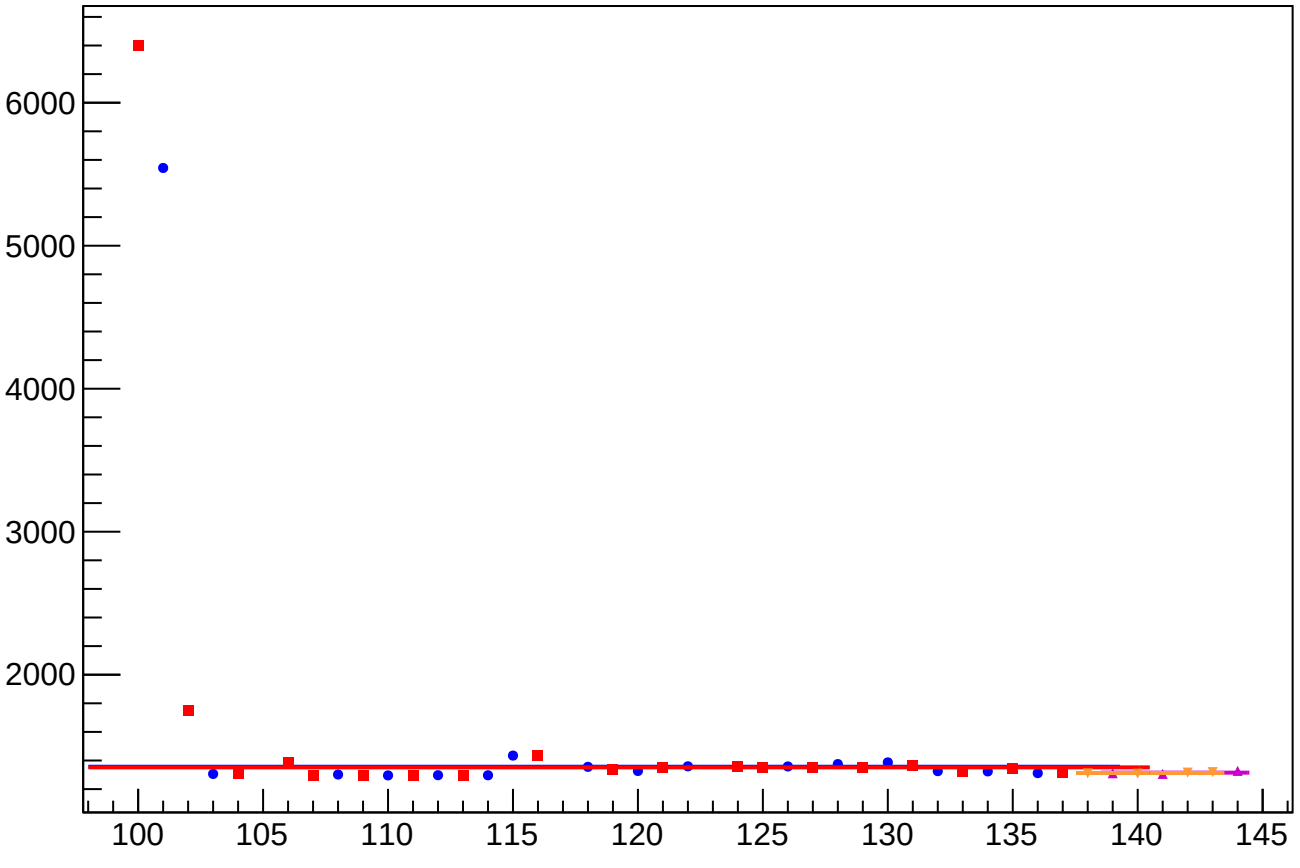
Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 677.731+/-0.163 χ^2/NDF:2381696.0/18

Out: 651.549+/-0.157 χ^2/NDF:2892345.1/22

All: 664.079+/-0.113 χ^2/NDF: 5287417.7/41


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -250.630+/-773.273 χ²/NDF:0.8/3
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -1359.413+/-810.639 χ²/NDF:1.4/2
Left: -778.879+/-559.530 χ²/NDF: 3.1/6
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -122.811+/-436.368 χ²/NDF:26.1/18
Out: -151.974+/-421.467 χ²/NDF:10.8/22
All: -137.899+/-303.153 χ²/NDF: 36.9/41



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

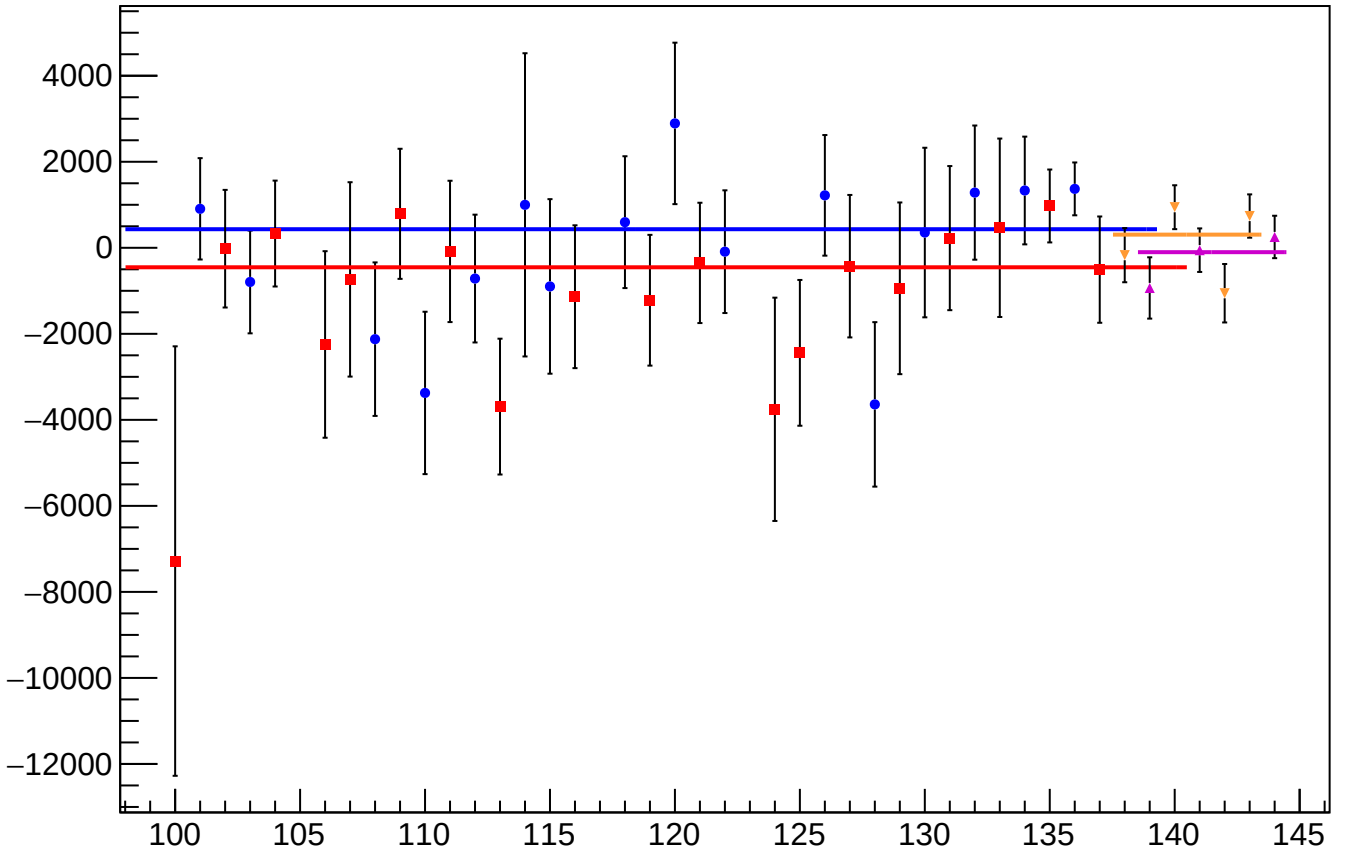
Left: 1313.790+/-0.396 χ^2/NDF: 323.8/6

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1344.445+/-0.309 χ^2/NDF:764191.8/18

Out: 1340.340+/-0.298 χ^2/NDF:151064.7/22

All: 1342.321+/-0.214 χ^2/NDF: 915348.0/41



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 306.262+/-283.103 χ^2/NDF:6.9/3

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -101.661+/-316.496 χ^2/NDF:1.9/2

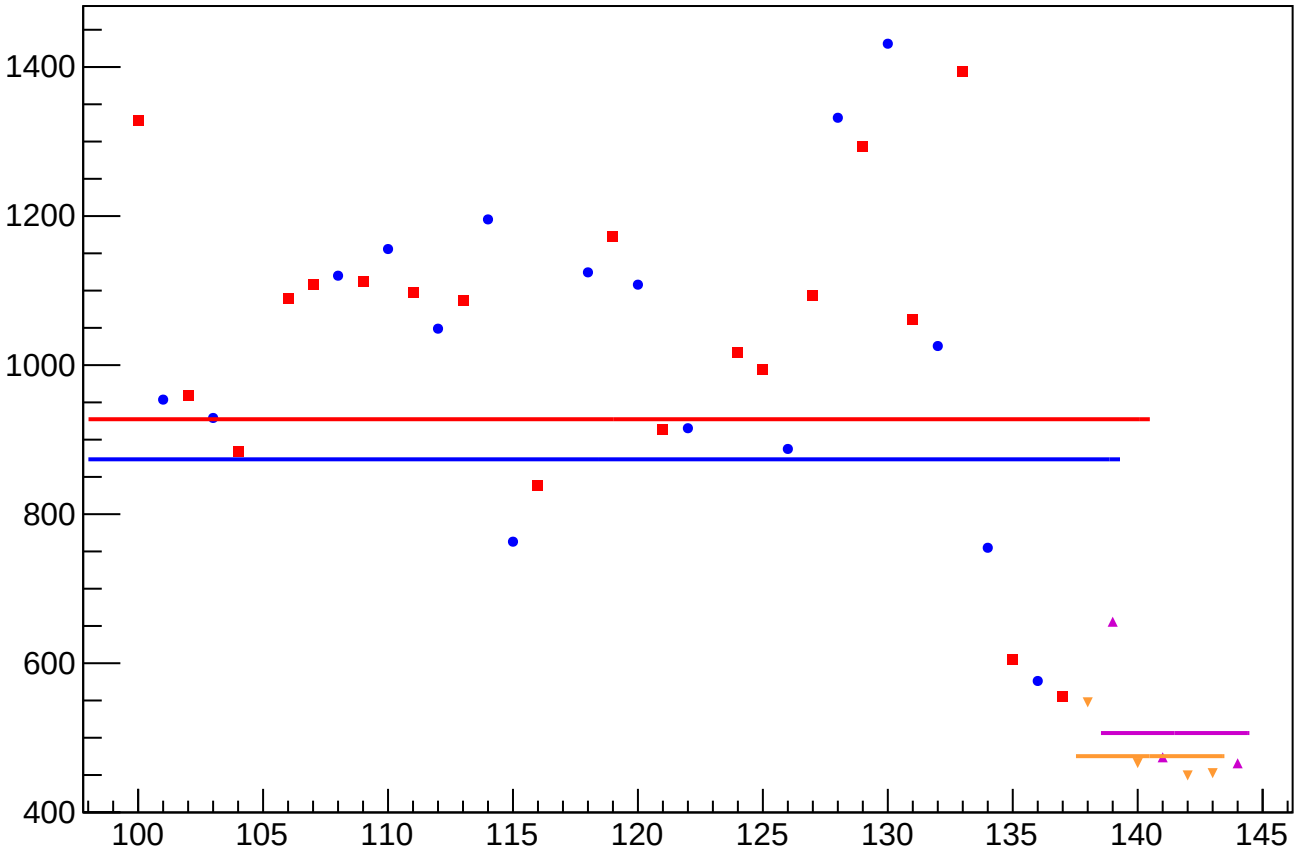
Left: 124.948+/-211.006 χ^2/NDF: 9.7/6

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 147.401+/-231.153 χ^2/NDF:21.5/18

Out: 11.699+/-221.484 χ^2/NDF:24.4/22

All: 76.653+/-159.922 χ^2/NDF: 46.0/41



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 506.321+/-0.224 χ^2/NDF:109599.6/2

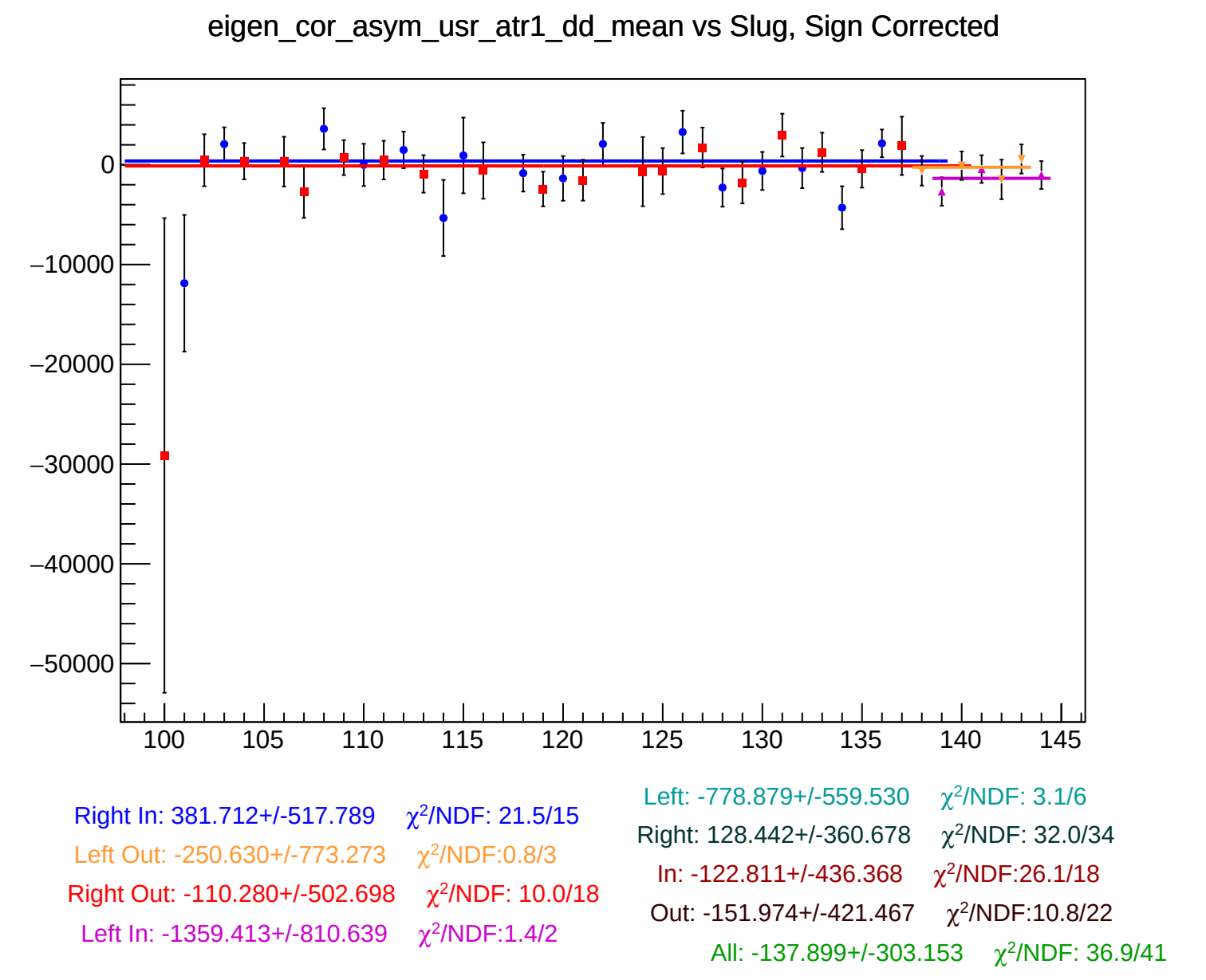
Left: 489.085+/-0.149 χ^2/NDF: 154250.7/6

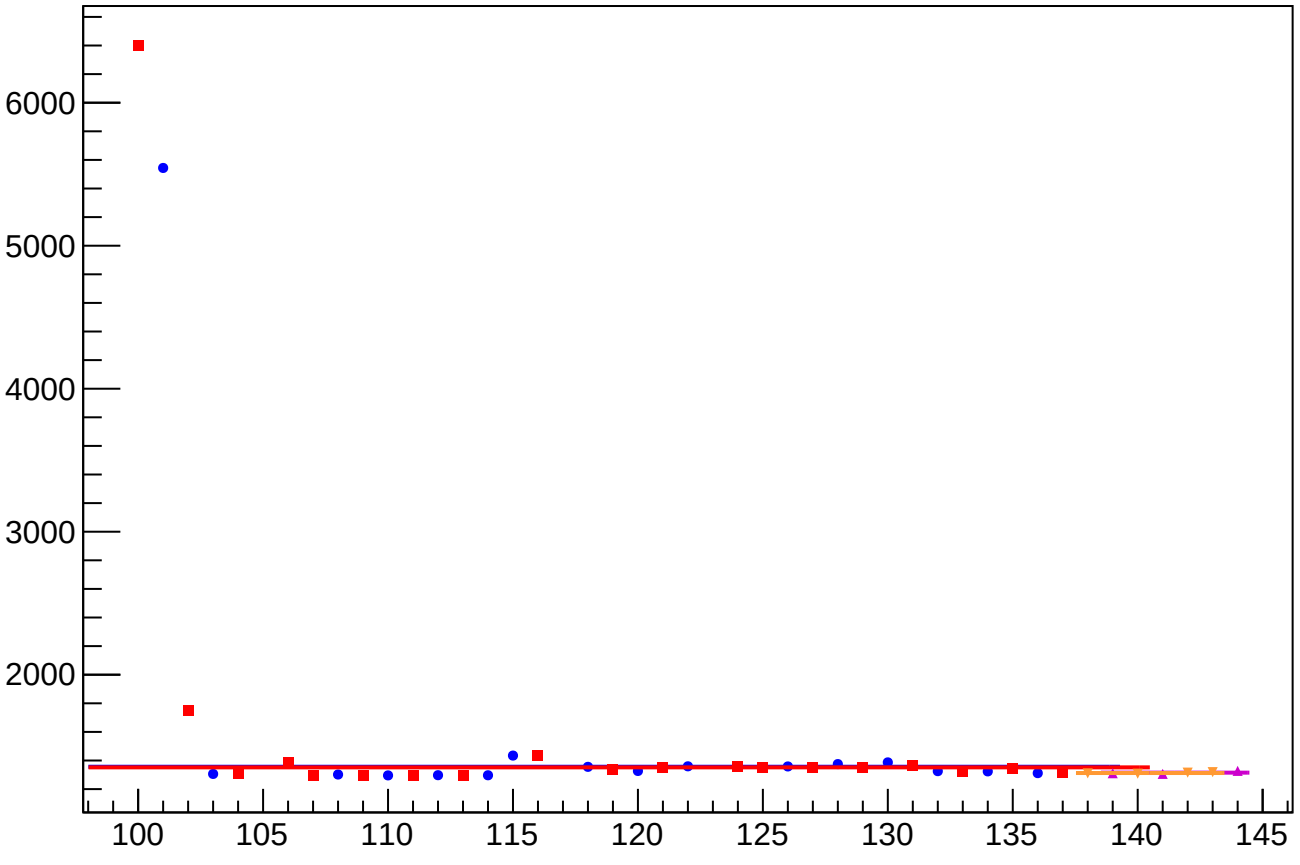
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 677.692+/-0.163 χ^2/NDF:2380706.1/18

Out: 650.687+/-0.157 χ^2/NDF:2860130.0/22

All: 663.613+/-0.113 χ^2/NDF: 5255067.5/41


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -250.630+/-773.273 χ²/NDF:0.8/3
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -1359.413+/-810.639 χ²/NDF:1.4/2
Left: -778.879+/-559.530 χ²/NDF: 3.1/6
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -122.811+/-436.368 χ²/NDF:26.1/18
Out: -151.974+/-421.467 χ²/NDF:10.8/22
All: -137.899+/-303.153 χ²/NDF: 36.9/41



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.150+/-0.573 χ^2/NDF:248.9/2

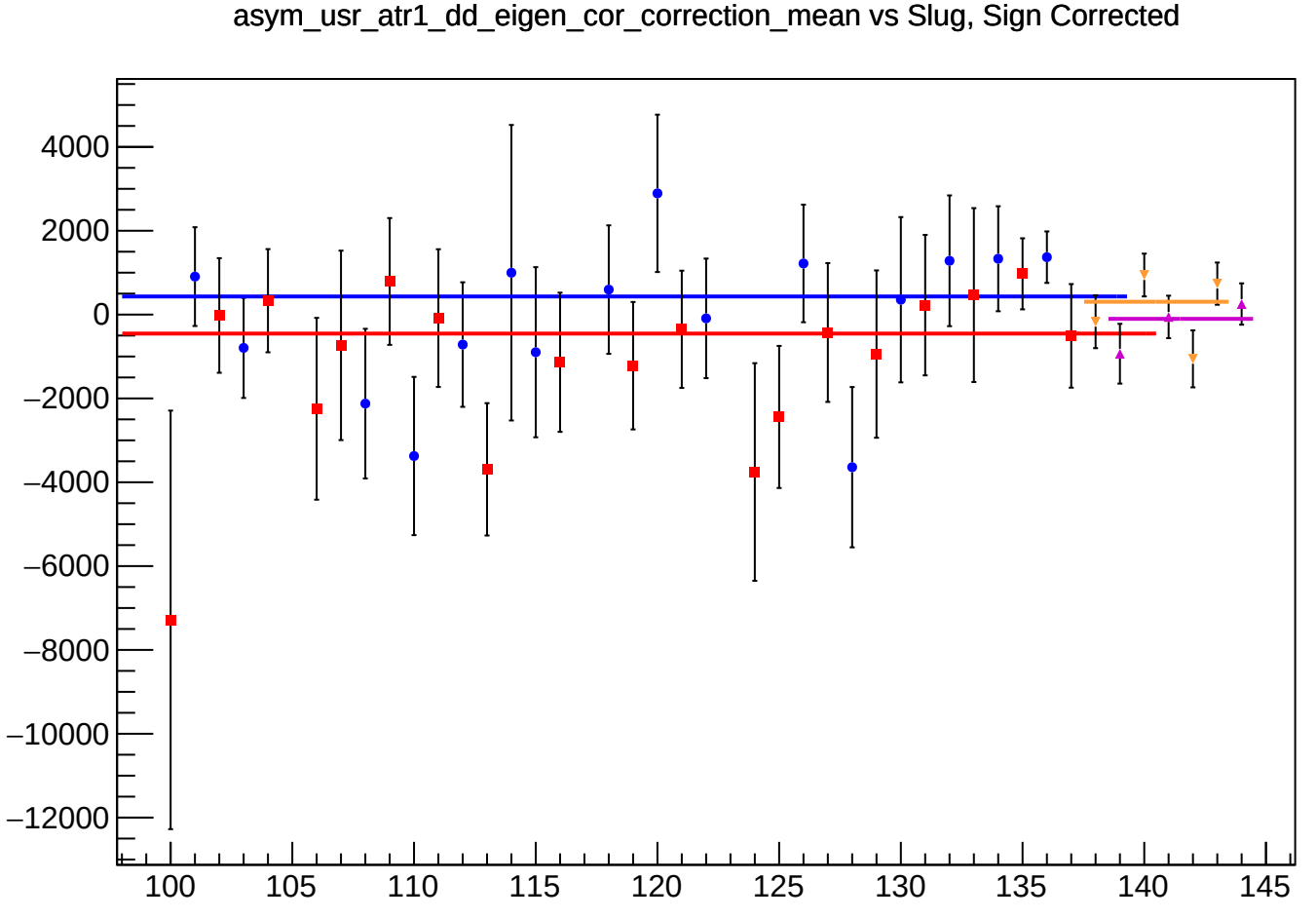
Left: 1313.790+/-0.396 χ^2/NDF: 323.8/6

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1344.445+/-0.309 χ^2/NDF:764191.8/18

Out: 1340.340+/-0.298 χ^2/NDF:151064.7/22

All: 1342.321+/-0.214 χ^2/NDF: 915348.0/41



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 306.262+/-283.103 χ^2/NDF:6.9/3

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -101.661+/-316.496 χ^2/NDF:1.9/2

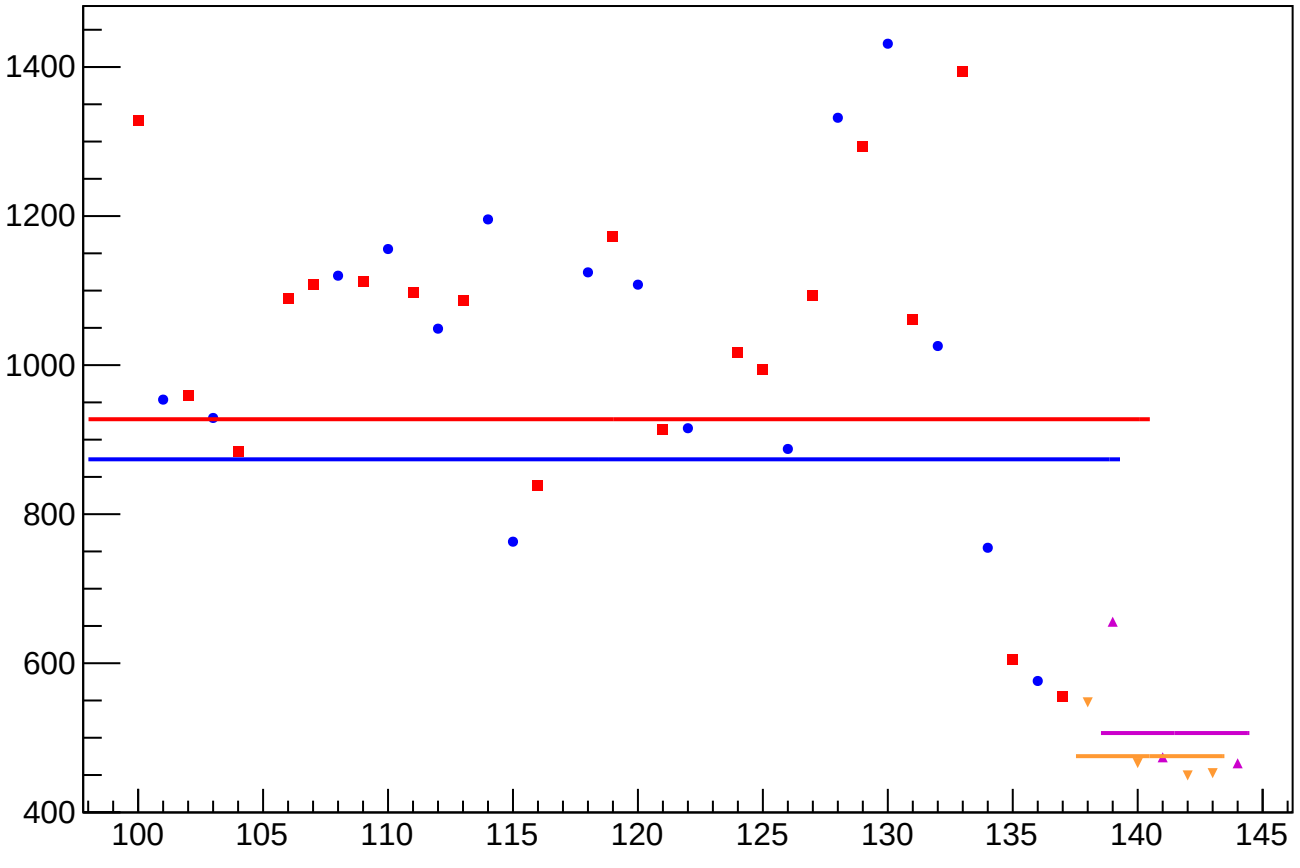
Left: 124.948+/-211.006 χ^2/NDF: 9.7/6

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 147.401+/-231.153 χ^2/NDF:21.5/18

Out: 11.699+/-221.484 χ^2/NDF:24.4/22

All: 76.653+/-159.922 χ^2/NDF: 46.0/41



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 506.321+/-0.224 χ^2/NDF:109599.6/2

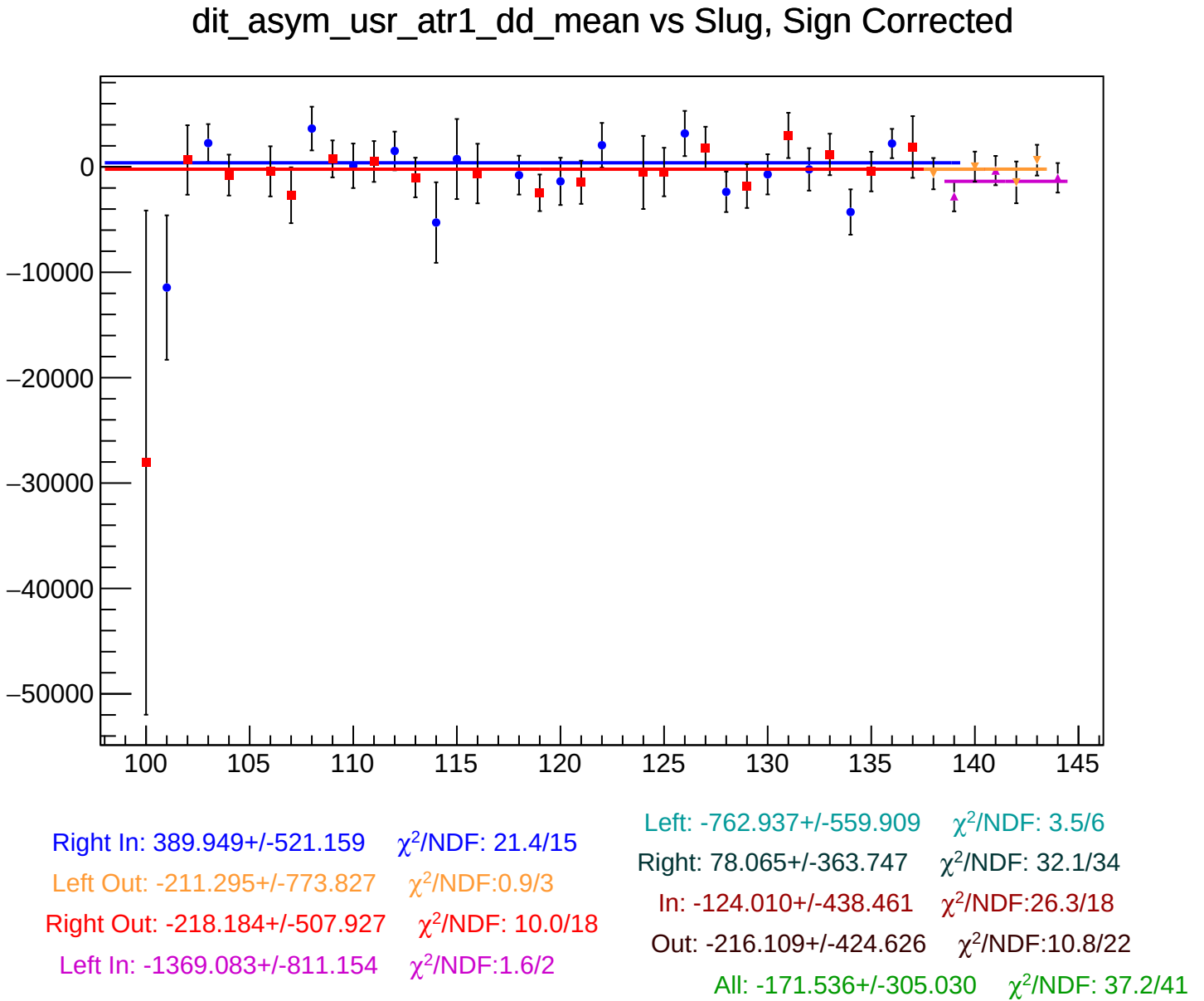
Left: 489.085+/-0.149 χ^2/NDF: 154250.7/6

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

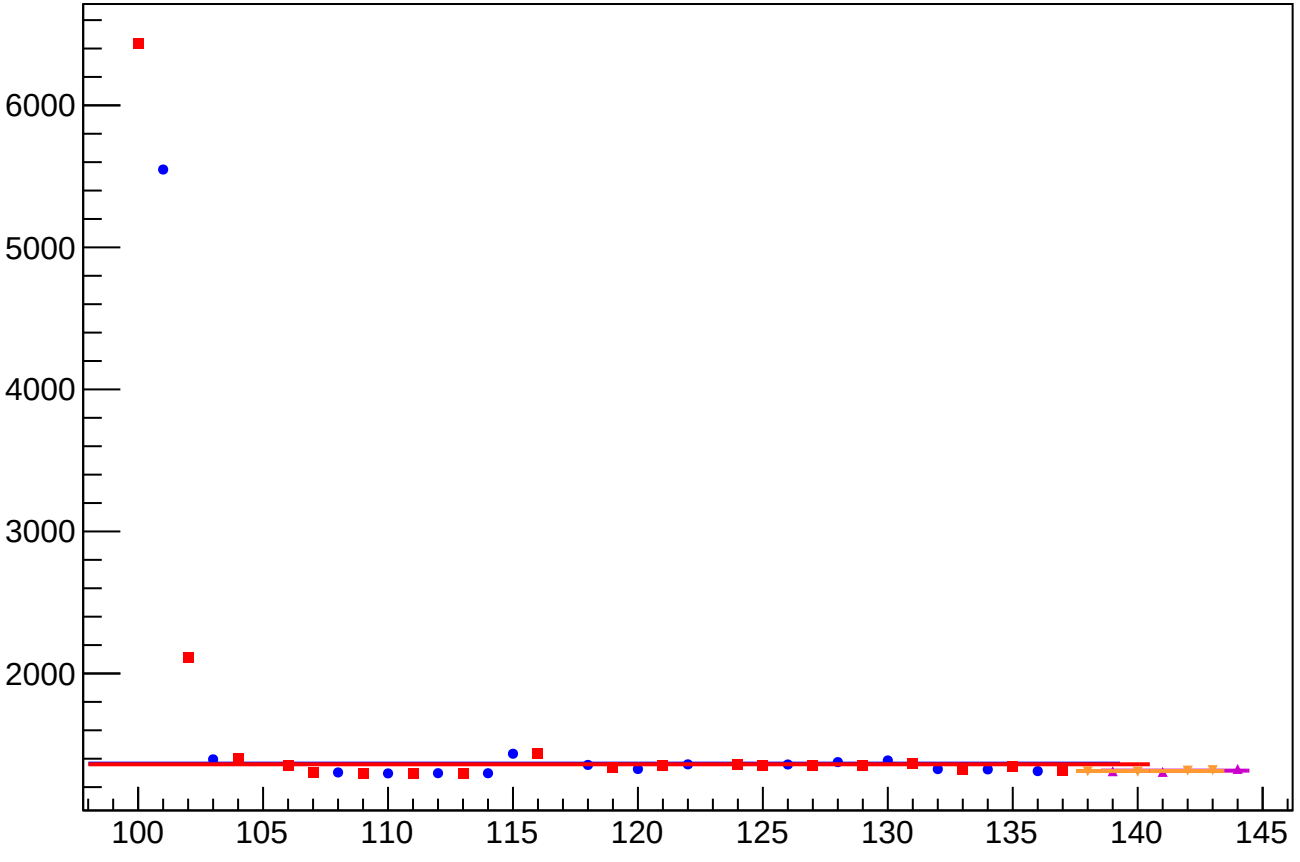
In: 677.692+/-0.163 χ^2/NDF:2380706.1/18

Out: 650.687+/-0.157 χ^2/NDF:2860130.0/22

All: 663.613+/-0.113 χ^2/NDF: 5255067.5/41


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -211.295+/-773.827 χ²/NDF:0.9/3
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -1369.083+/-811.154 χ²/NDF:1.6/2
Left: -762.937+/-559.909 χ²/NDF: 3.5/6
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: -124.010+/-438.461 χ²/NDF:26.3/18
Out: -216.109+/-424.626 χ²/NDF:10.8/22
All: -171.536+/-305.030 χ²/NDF: 37.2/41

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1315.985+/-0.574 χ^2/NDF:243.6/2

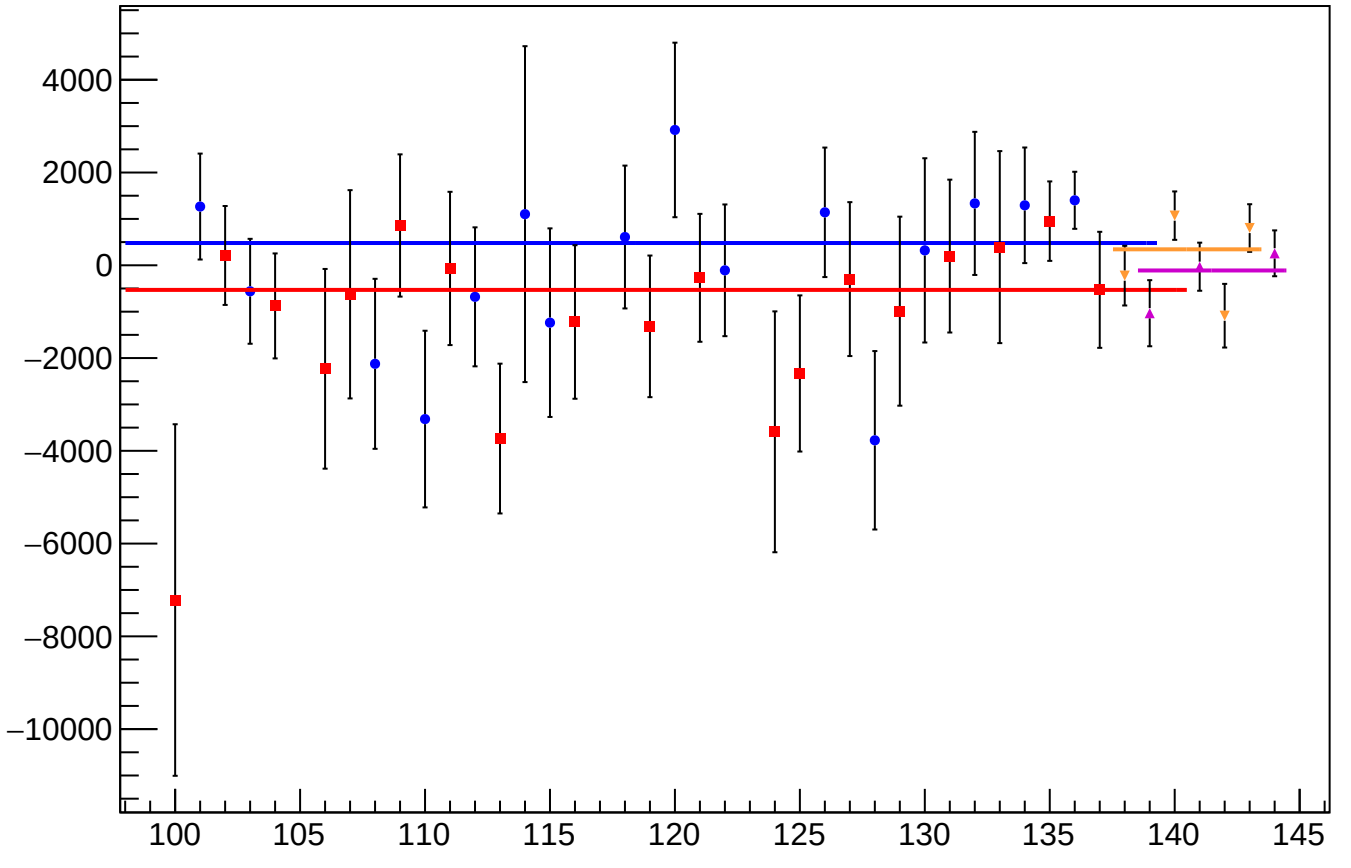
Left: 1314.680+/-0.396 χ^2/NDF: 310.2/6

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1350.892+/-0.310 χ^2/NDF:764421.1/18

Out: 1346.535+/-0.300 χ^2/NDF:210589.7/22

All: 1348.644+/-0.216 χ^2/NDF: 975112.7/41



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 344.157+/-288.616 χ^2/NDF:7.9/3

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -111.587+/-319.753 χ^2/NDF:2.3/2

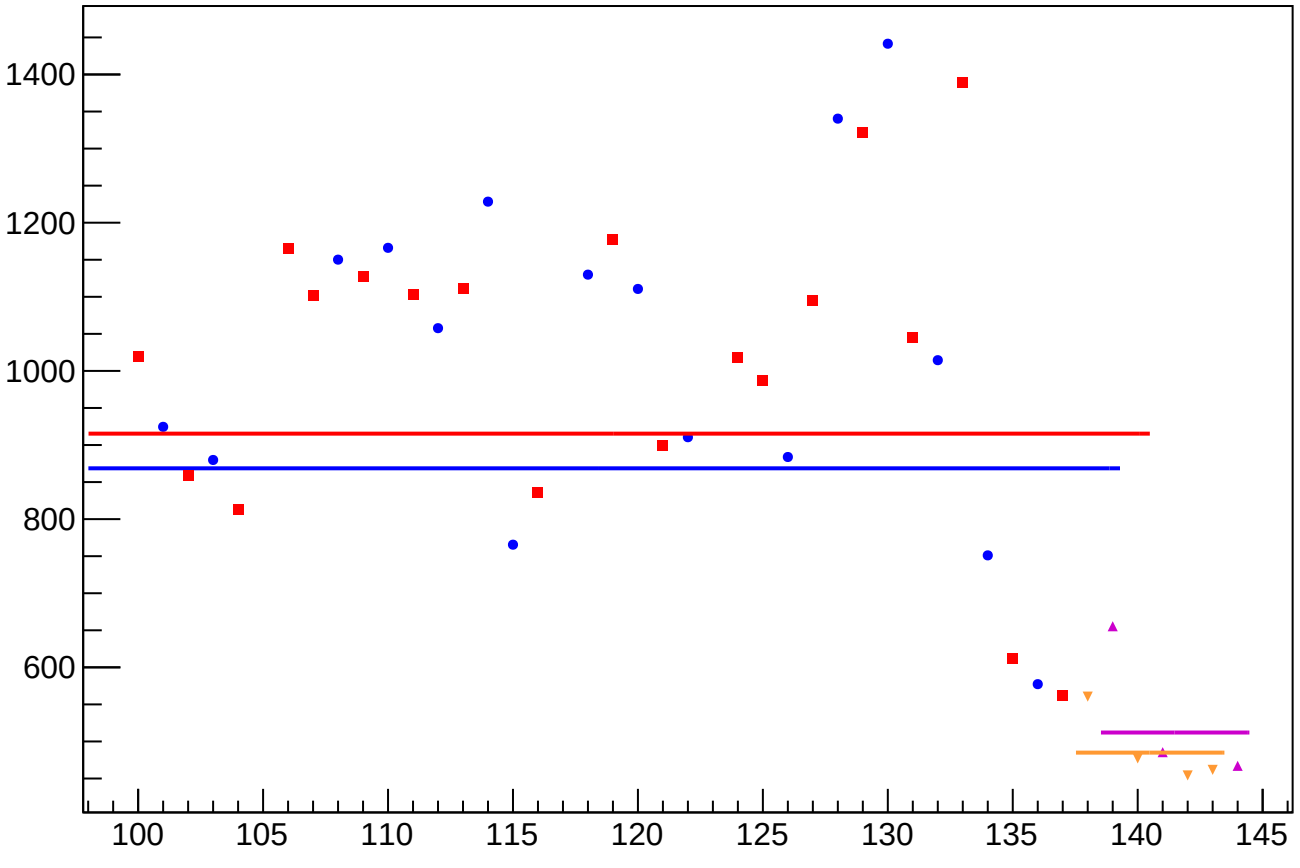
Left: 139.550+/-214.247 χ^2/NDF: 11.2/6

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 169.293+/-231.801 χ^2/NDF:22.5/18

Out: -14.608+/-221.659 χ^2/NDF:27.3/22

All: 73.232+/-160.202 χ^2/NDF: 50.1/41



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 484.945+/-0.204 χ^2/NDF:36176.5/3

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 512.057+/-0.226 χ^2/NDF:102750.2/2

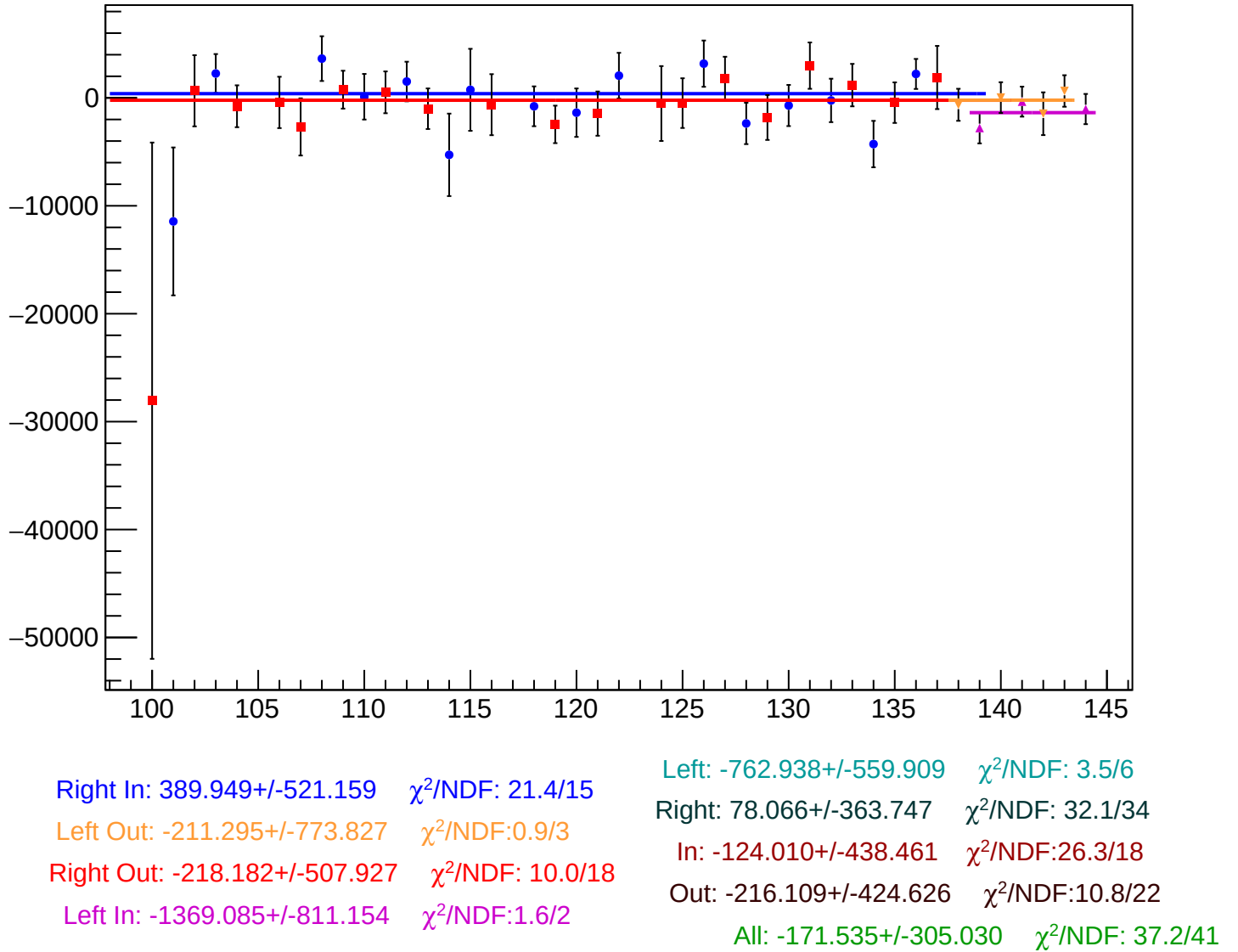
Left: 497.117+/-0.151 χ^2/NDF: 146850.4/6

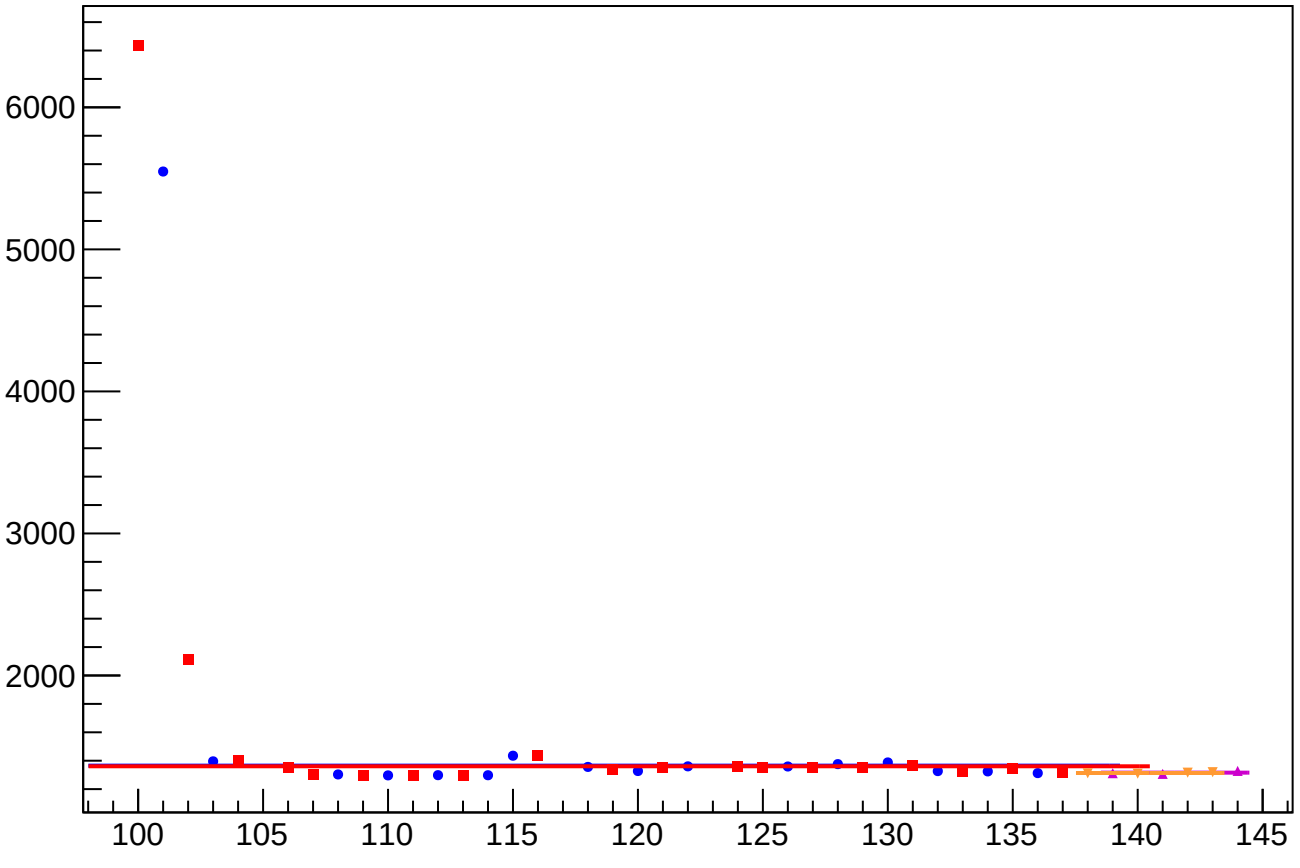
Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 681.212+/-0.164 χ^2/NDF:2303761.4/18

Out: 661.485+/-0.157 χ^2/NDF:2719492.1/22

All: 670.908+/-0.113 χ^2/NDF: 5030819.7/41


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -211.295+/-773.827 χ²/NDF:0.9/3
Right Out: -218.182+/-507.927 χ²/NDF: 10.0/18
Left In: -1369.085+/-811.154 χ²/NDF:1.6/2
Left: -762.938+/-559.909 χ²/NDF: 3.5/6
Right: 78.066+/-363.747 χ²/NDF: 32.1/34
In: -124.010+/-438.461 χ²/NDF:26.3/18
Out: -216.109+/-424.626 χ²/NDF:10.8/22
All: -171.535+/-305.030 χ²/NDF: 37.2/41



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1315.985+/-0.574 χ^2/NDF:243.6/2

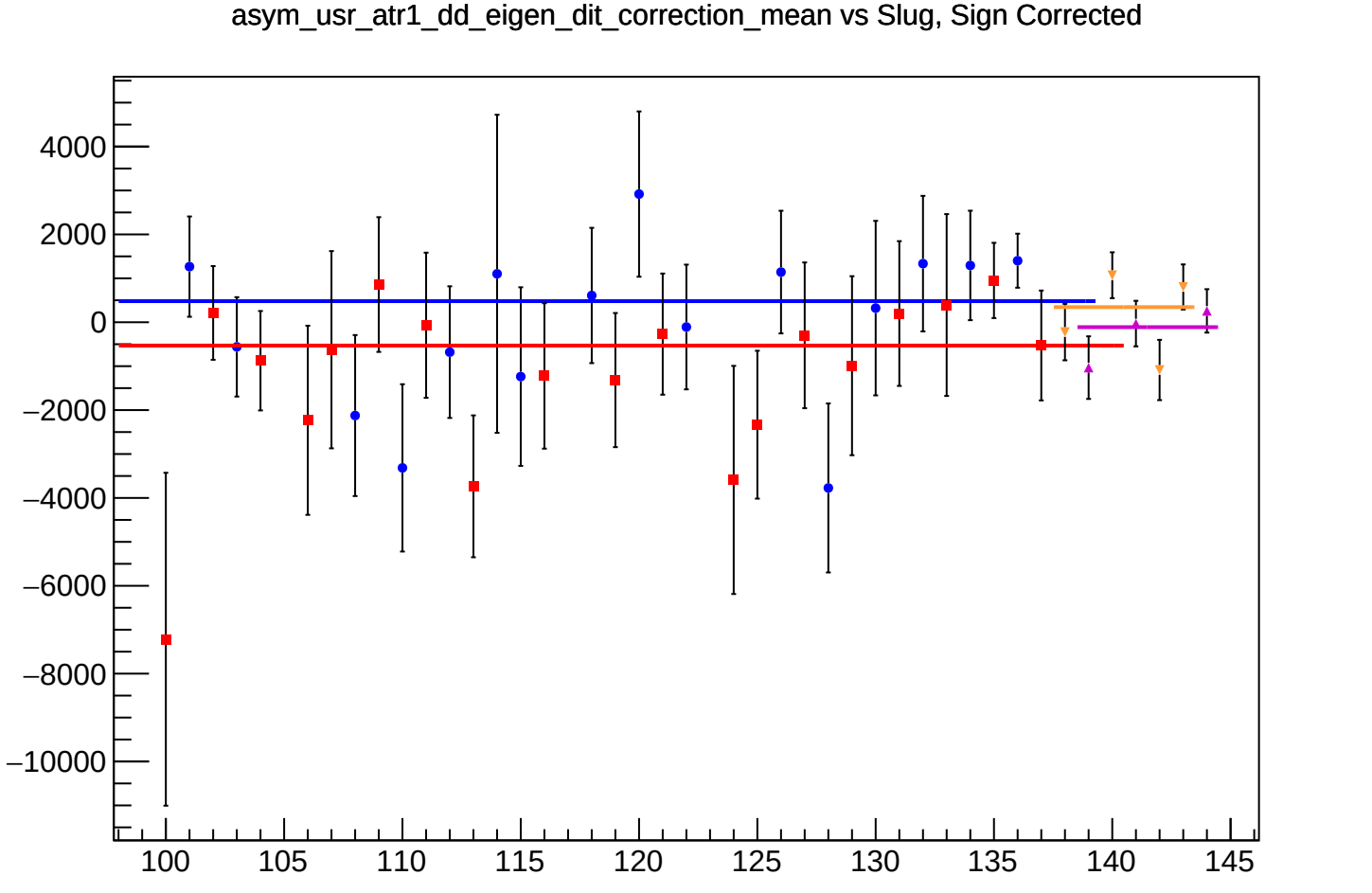
Left: 1314.680+/-0.396 χ^2/NDF: 310.2/6

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

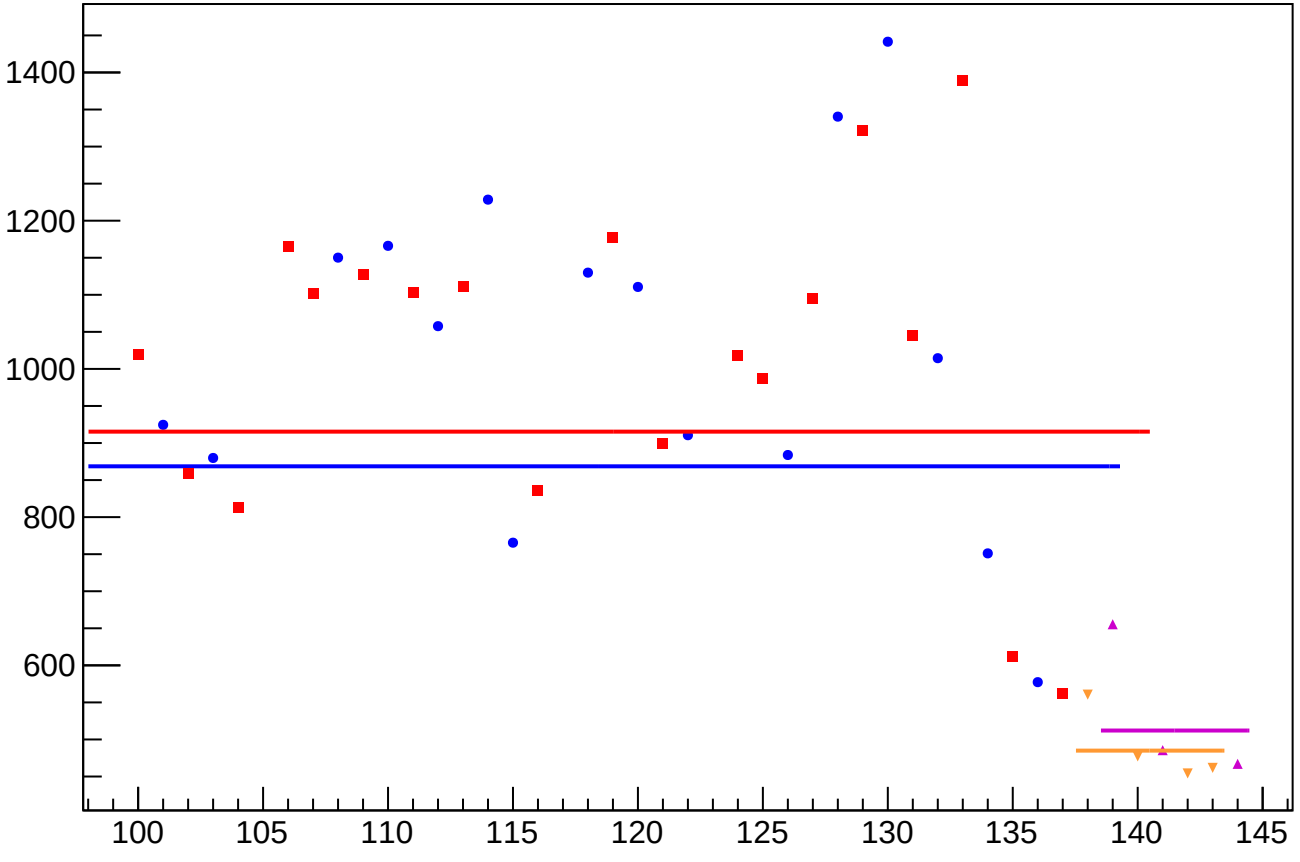
In: 1350.892+/-0.310 χ^2/NDF:764421.0/18

Out: 1346.535+/-0.300 χ^2/NDF:210589.6/22

All: 1348.644+/-0.216 χ^2/NDF: 975112.6/41


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 344.161+/-288.616 χ²/NDF:7.9/3
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -111.587+/-319.754 χ²/NDF:2.3/2
Left: 139.553+/-214.247 χ²/NDF: 11.2/6
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 169.293+/-231.801 χ²/NDF:22.5/18
Out: -14.607+/-221.659 χ²/NDF:27.3/22
All: 73.233+/-160.202 χ²/NDF: 50.1/41

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: 484.945+/-0.204 χ^2/NDF:36177.3/3

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 512.058+/-0.226 χ^2/NDF:102752.1/2

Left: 497.117+/-0.151 χ^2/NDF: 146853.2/6

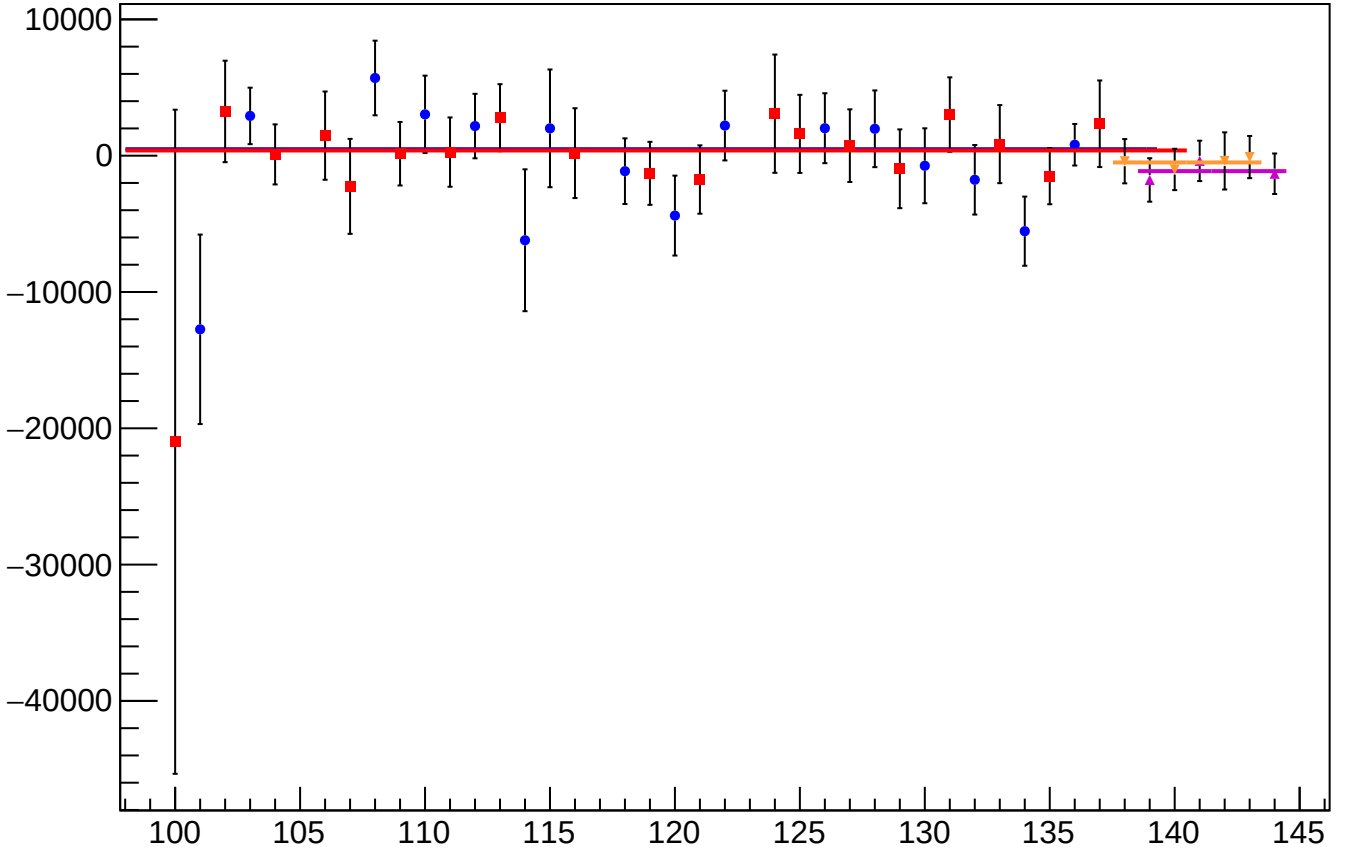
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 681.212+/-0.164 χ^2/NDF:2303745.2/18

Out: 661.485+/-0.157 χ^2/NDF:2719477.0/22

All: 670.908+/-0.113 χ^2/NDF: 5030788.1/41

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -494.780+/-827.751 χ^2/NDF:0.2/3

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -1132.283+/-876.400 χ^2/NDF:0.4/2

Left: -795.347+/-601.772 χ^2/NDF: 0.9/6

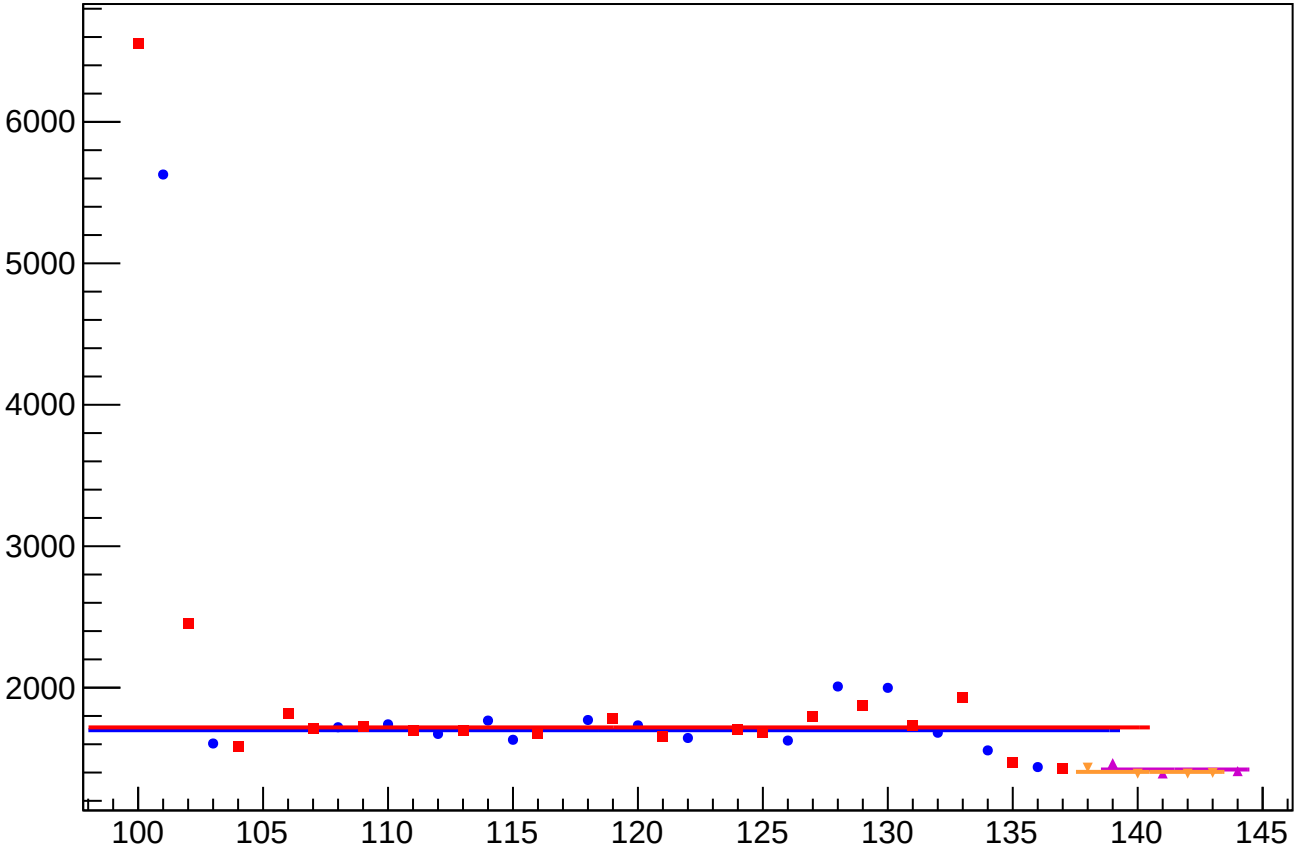
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -95.491+/-521.687 χ^2/NDF:25.3/18

Out: 54.421+/-507.297 χ^2/NDF:8.2/22

All: -18.439+/-363.694 χ^2/NDF: 33.5/41

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1404.757+/-0.585 χ^2/NDF:907.5/3

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1421.470+/-0.620 χ^2/NDF:2427.8/2

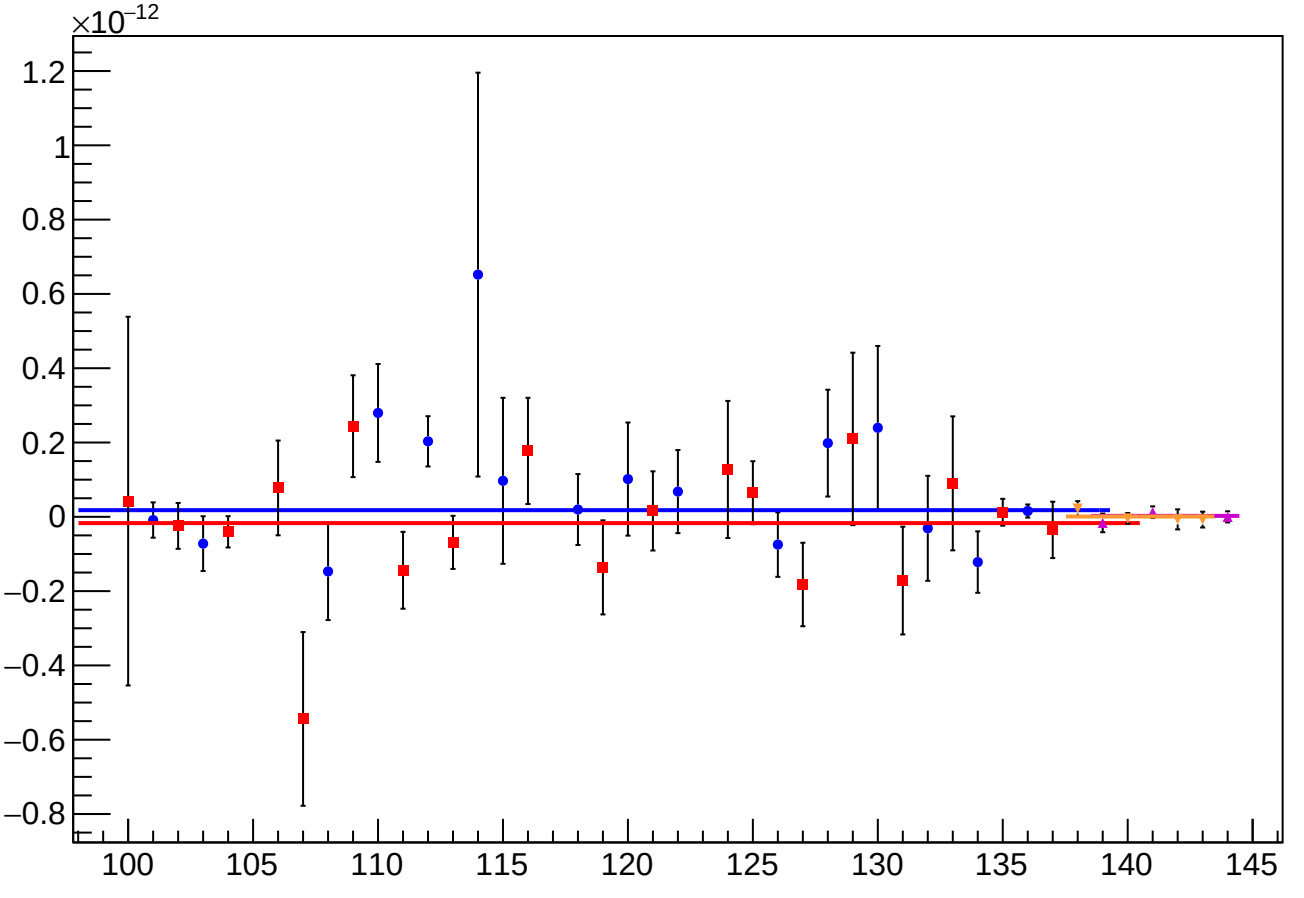
Left: 1412.636+/-0.426 χ^2/NDF: 3719.7/6

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1600.874+/-0.369 χ^2/NDF:894328.0/18

Out: 1601.035+/-0.359 χ^2/NDF:414757.5/22

All: 1600.956+/-0.257 χ^2/NDF: 1309085.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

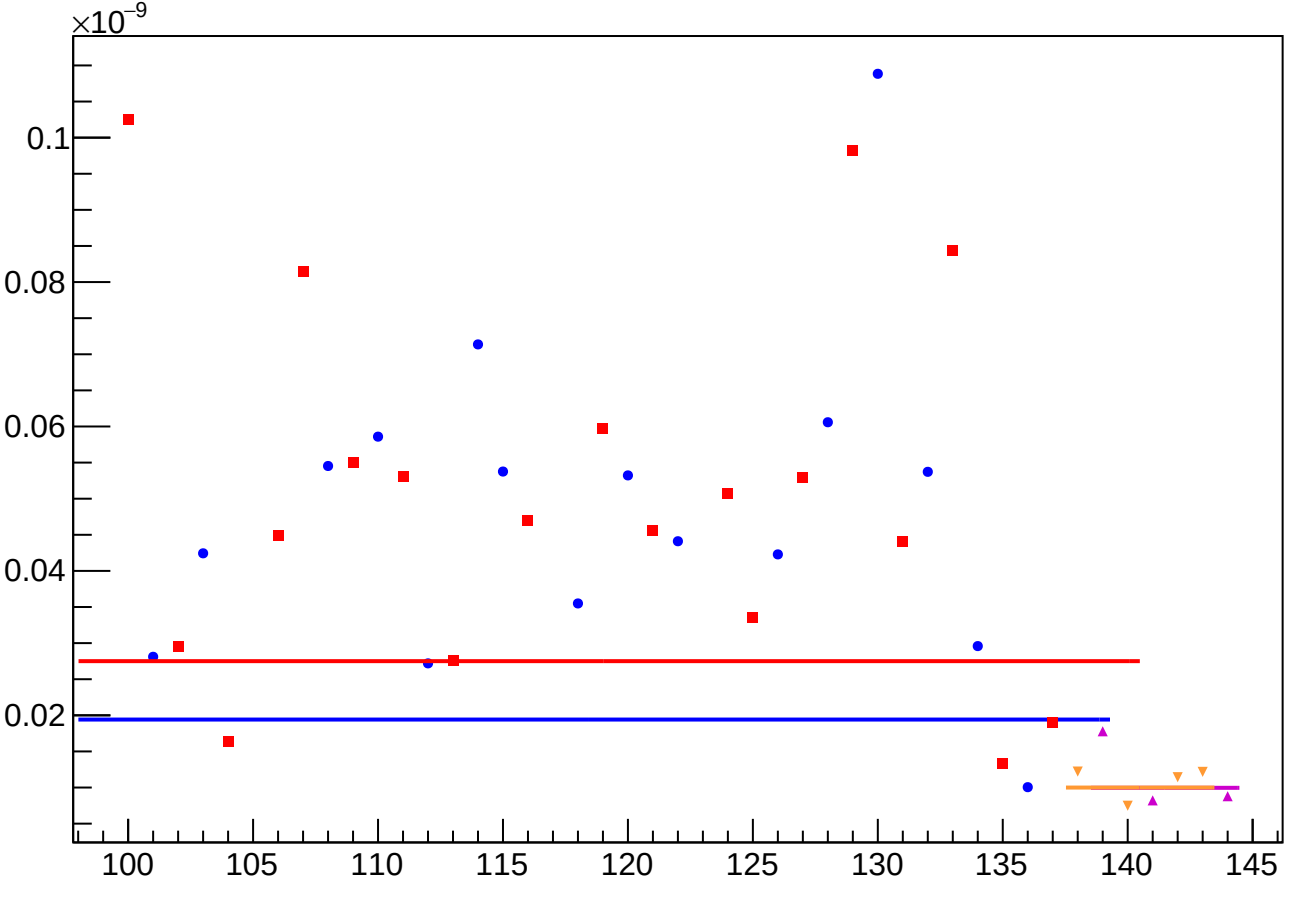
Left: 0.000+/-0.000 χ^2/NDF: 2.5/6

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:25.3/18

Out: -0.000+/-0.000 χ^2/NDF:23.5/22

All: 0.000+/-0.000 χ^2/NDF: 49.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:112223.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:231613.1/2

Left: 0.000+/-0.000 χ^2/NDF: 343850.6/6

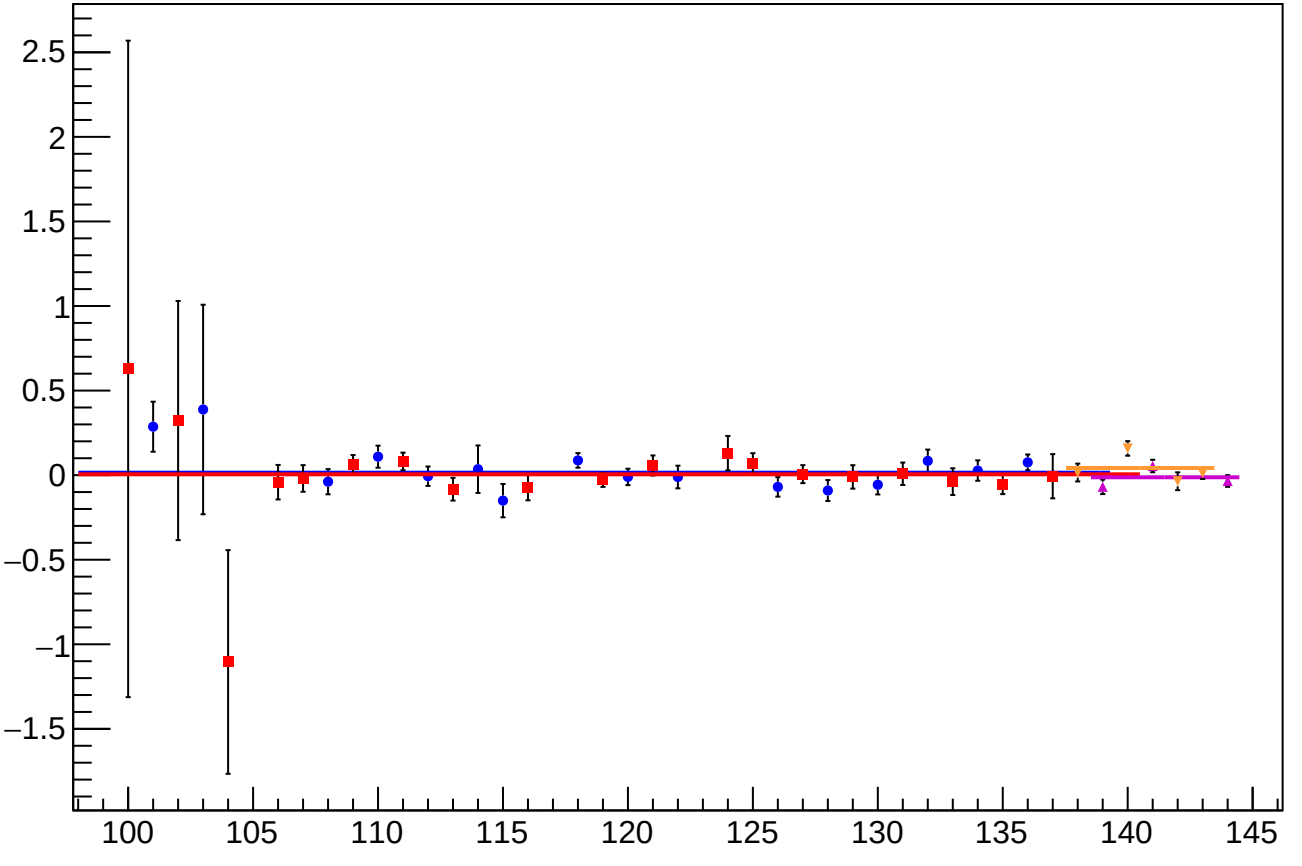
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3093190.2/18

Out: 0.000+/-0.000 χ^2/NDF:3104248.2/22

All: 0.000+/-0.000 χ^2/NDF: 6201142.4/41

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: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.013+/-0.022 χ^2/NDF:5.4/2

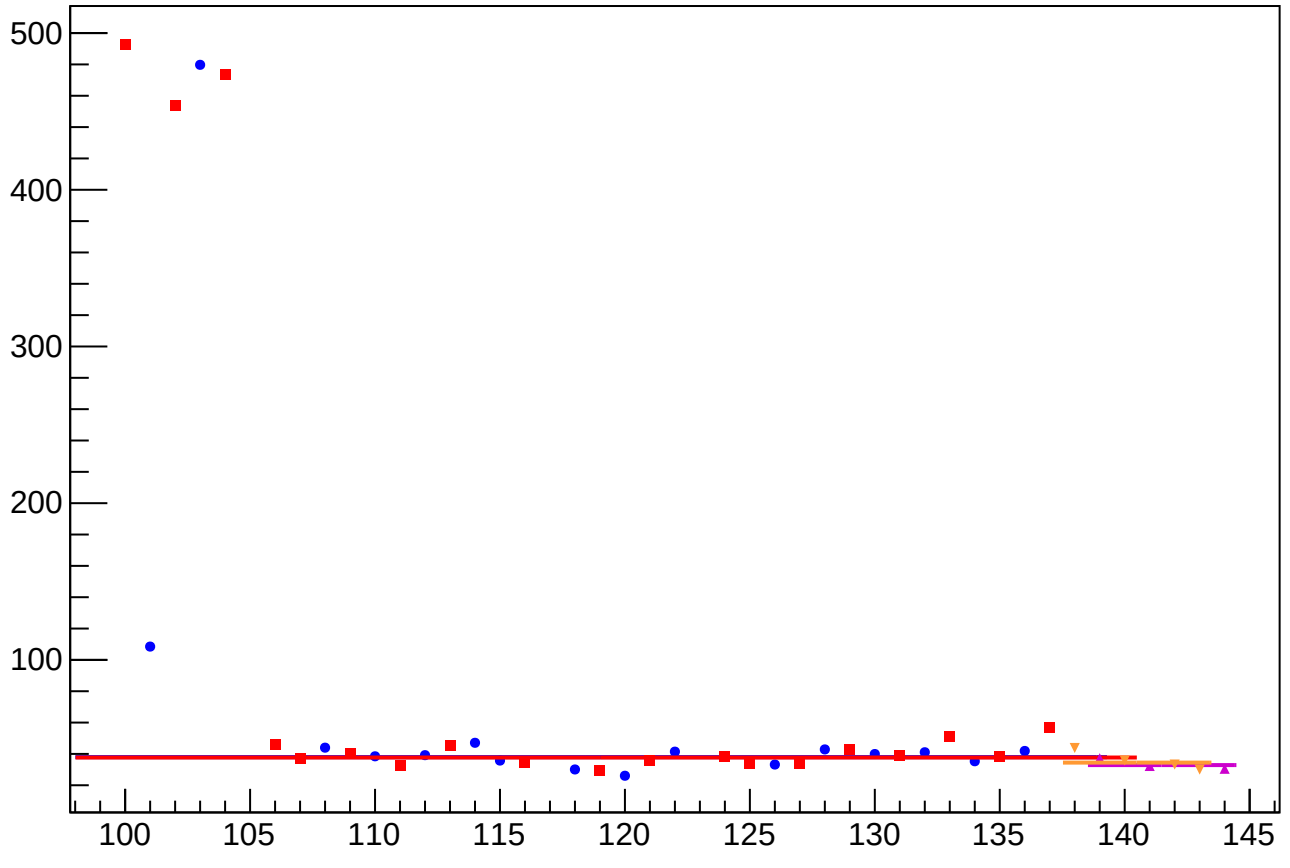
Left: 0.015+/-0.015 χ^2/NDF: 19.0/6

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.005+/-0.013 χ^2/NDF:28.4/18

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.011+/-0.009 χ^2/NDF: 56.1/41



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.451+/-0.016 χ^2/NDF:97930.5/3

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 32.869+/-0.015 χ^2/NDF:30442.1/2

Left: 33.654+/-0.011 χ^2/NDF: 133610.9/6

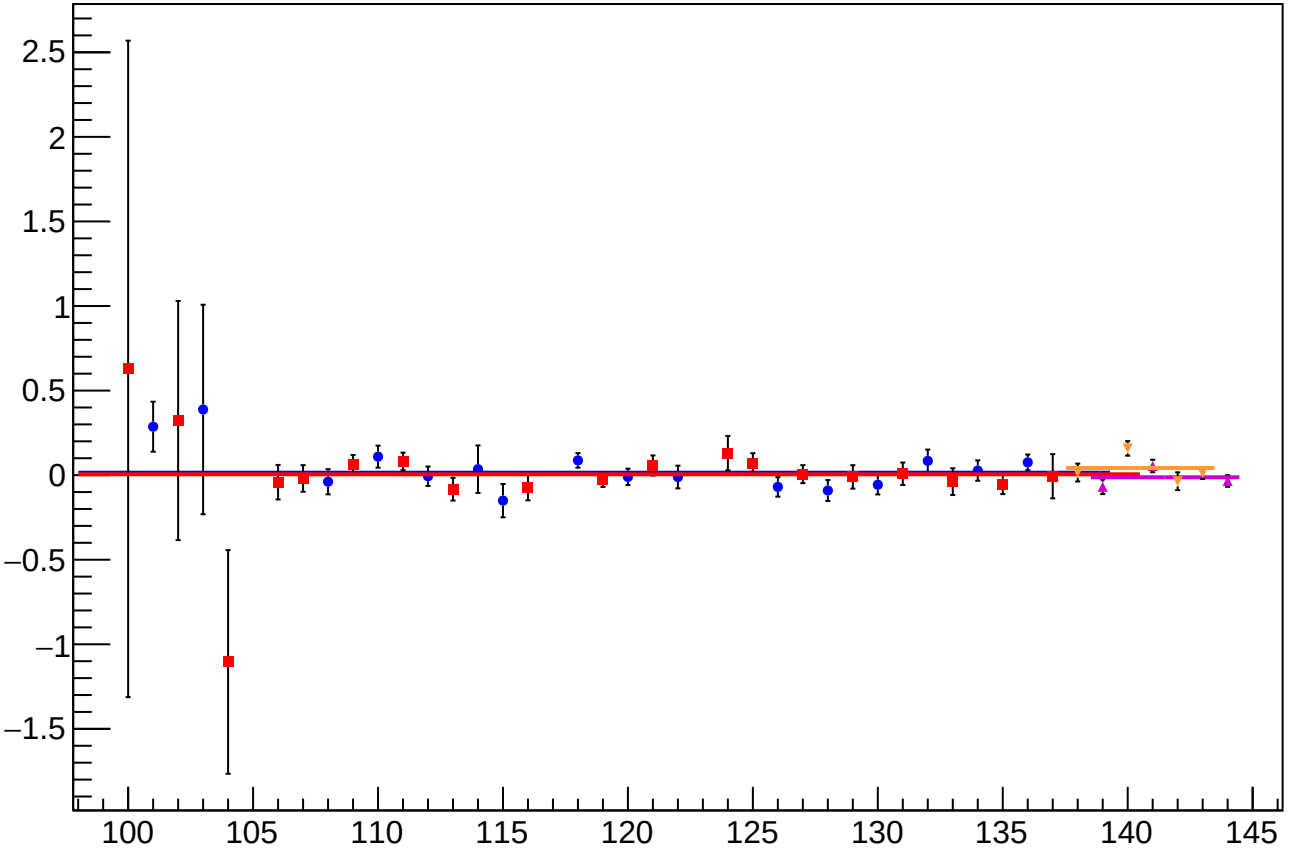
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.174+/-0.009 χ^2/NDF:1840800.5/18

Out: 36.565+/-0.009 χ^2/NDF:2071312.5/22

All: 36.368+/-0.006 χ^2/NDF: 3913028.8/41

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: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.013+/-0.022 χ^2/NDF:5.4/2

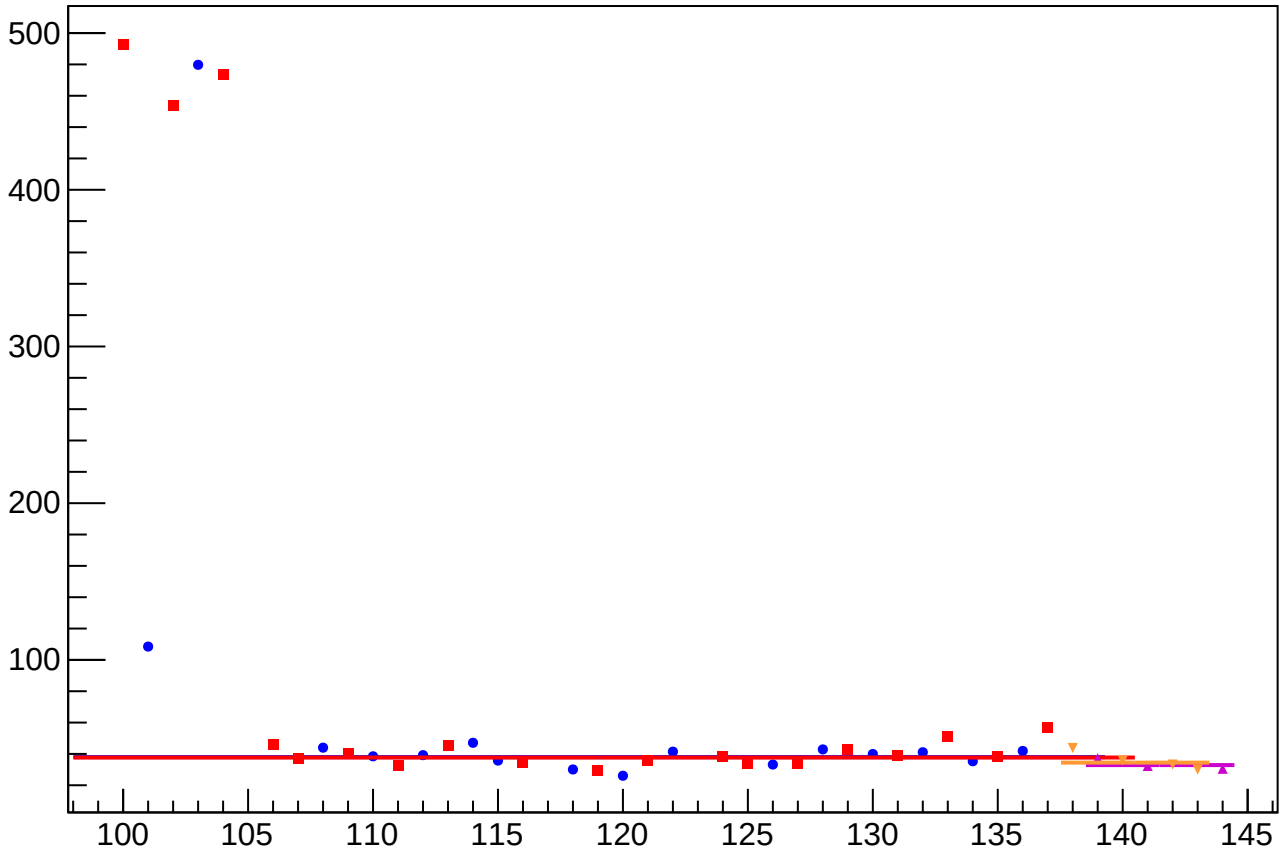
Left: 0.015+/-0.015 χ^2/NDF: 19.0/6

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.005+/-0.013 χ^2/NDF:28.4/18

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.011+/-0.009 χ^2/NDF: 56.1/41



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.451+/-0.016 χ^2/NDF:97930.5/3

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 32.869+/-0.015 χ^2/NDF:30442.1/2

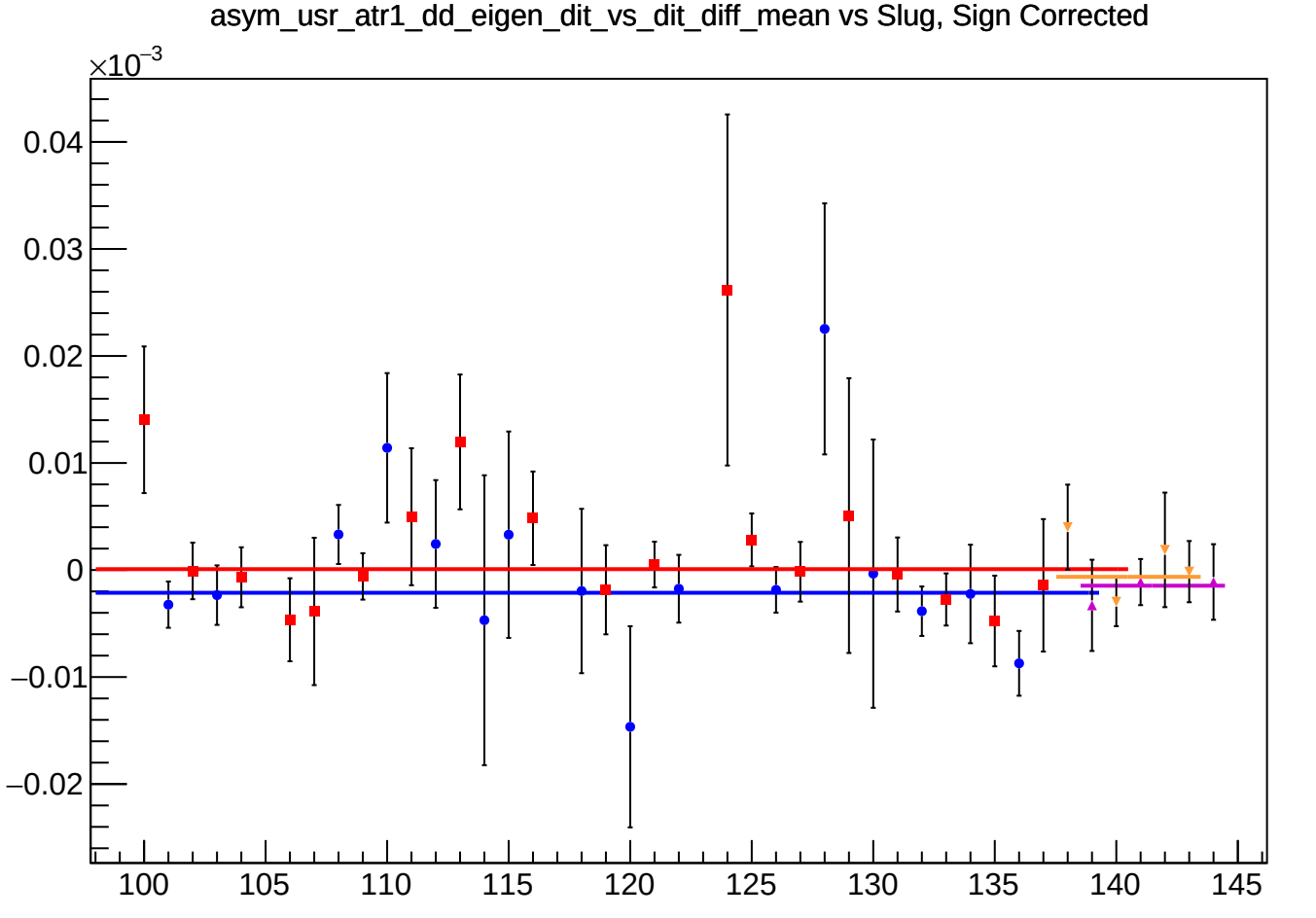
Left: 33.654+/-0.011 χ^2/NDF: 133610.9/6

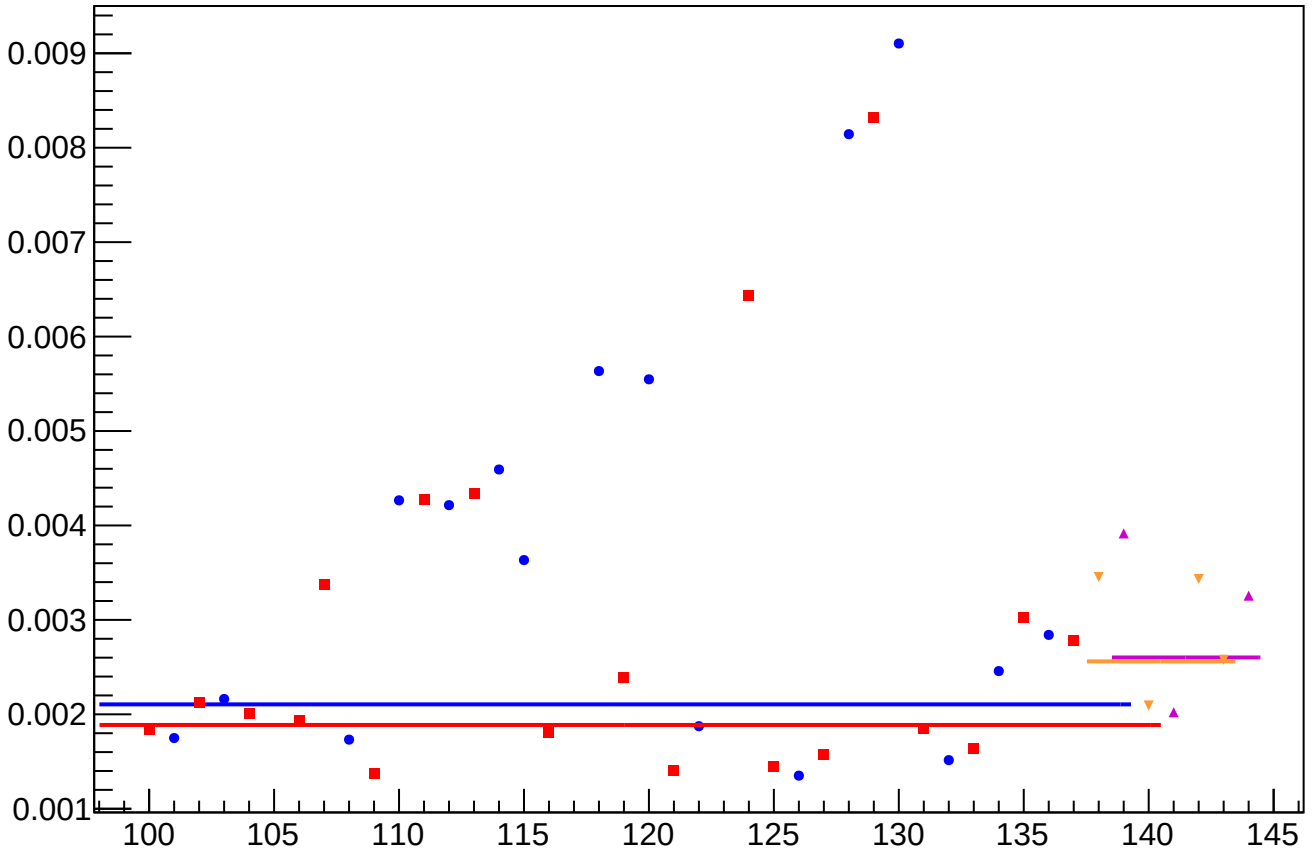
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.174+/-0.009 χ^2/NDF:1840800.5/18

Out: 36.565+/-0.009 χ^2/NDF:2071312.5/22

All: 36.368+/-0.006 χ^2/NDF: 3913028.8/41


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 20.4/15
Left Out: -0.000+/-0.000 χ²/NDF:2.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.2/2
Left: -0.000+/-0.000 χ²/NDF: 3.0/6
Right: -0.000+/-0.000 χ²/NDF: 42.2/34
In: -0.000+/-0.000 χ²/NDF:20.8/18
Out: -0.000+/-0.000 χ²/NDF:21.2/22
All: -0.000+/-0.000 χ²/NDF: 45.2/41



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:237861.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.003+/-0.000 χ^2/NDF:403566.5/2

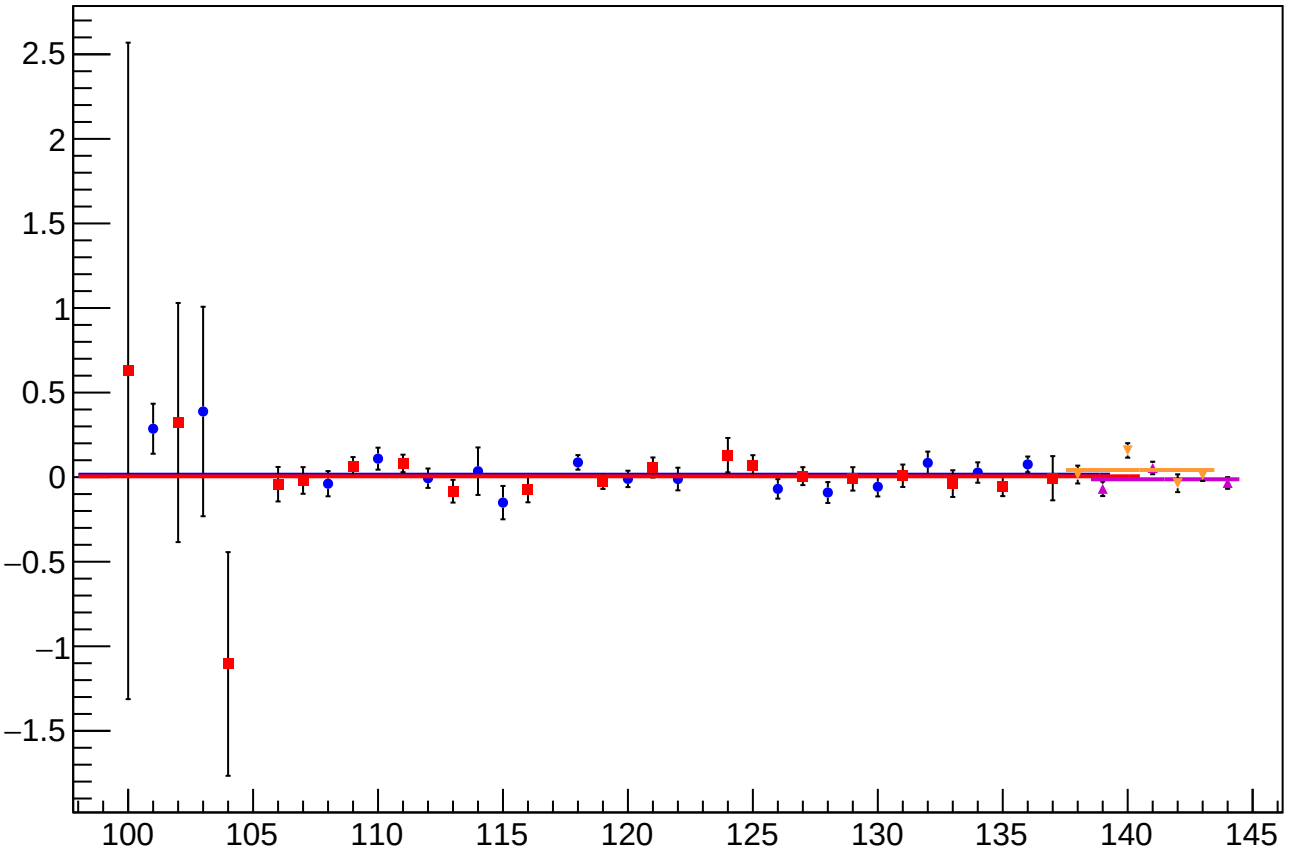
Left: 0.003+/-0.000 χ^2/NDF: 642074.6/6

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:3556083.6/18

Out: 0.002+/-0.000 χ^2/NDF:2427043.2/22

All: 0.002+/-0.000 χ^2/NDF: 6047309.1/41



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.013+/-0.022 χ^2/NDF:5.4/2

Left: 0.015+/-0.015 χ^2/NDF: 19.0/6

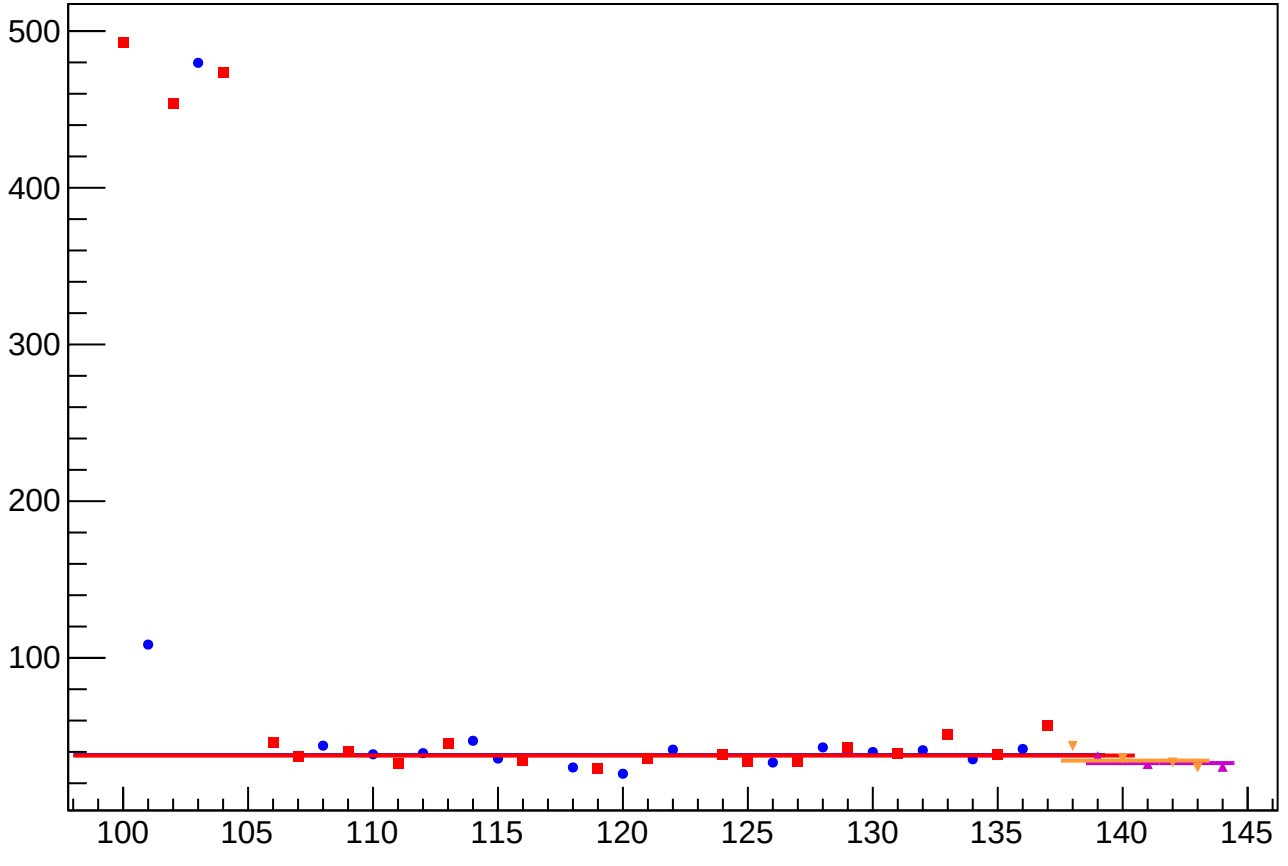
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.005+/-0.013 χ^2/NDF:28.4/18

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.011+/-0.009 χ^2/NDF: 56.1/41

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.451+/-0.016 χ^2/NDF:97956.6/3

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 32.868+/-0.015 χ^2/NDF:30440.6/2

Left: 33.654+/-0.011 χ^2/NDF: 133637.0/6

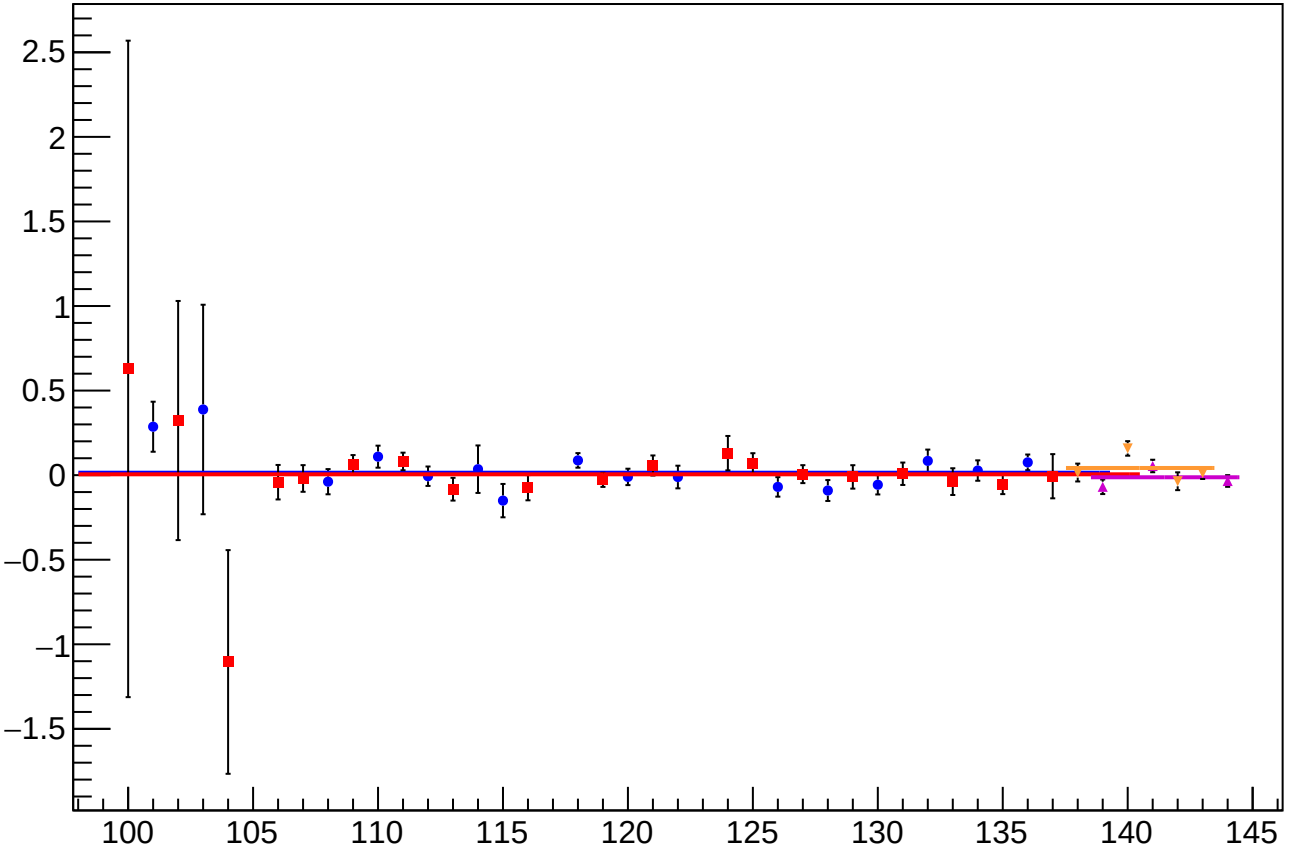
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.174+/-0.009 χ^2/NDF:1840812.3/18

Out: 36.564+/-0.009 χ^2/NDF:2071400.4/22

All: 36.367+/-0.006 χ^2/NDF: 3913126.8/41

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: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.013+/-0.022 χ^2/NDF:5.4/2

Left: 0.015+/-0.015 χ^2/NDF: 19.0/6

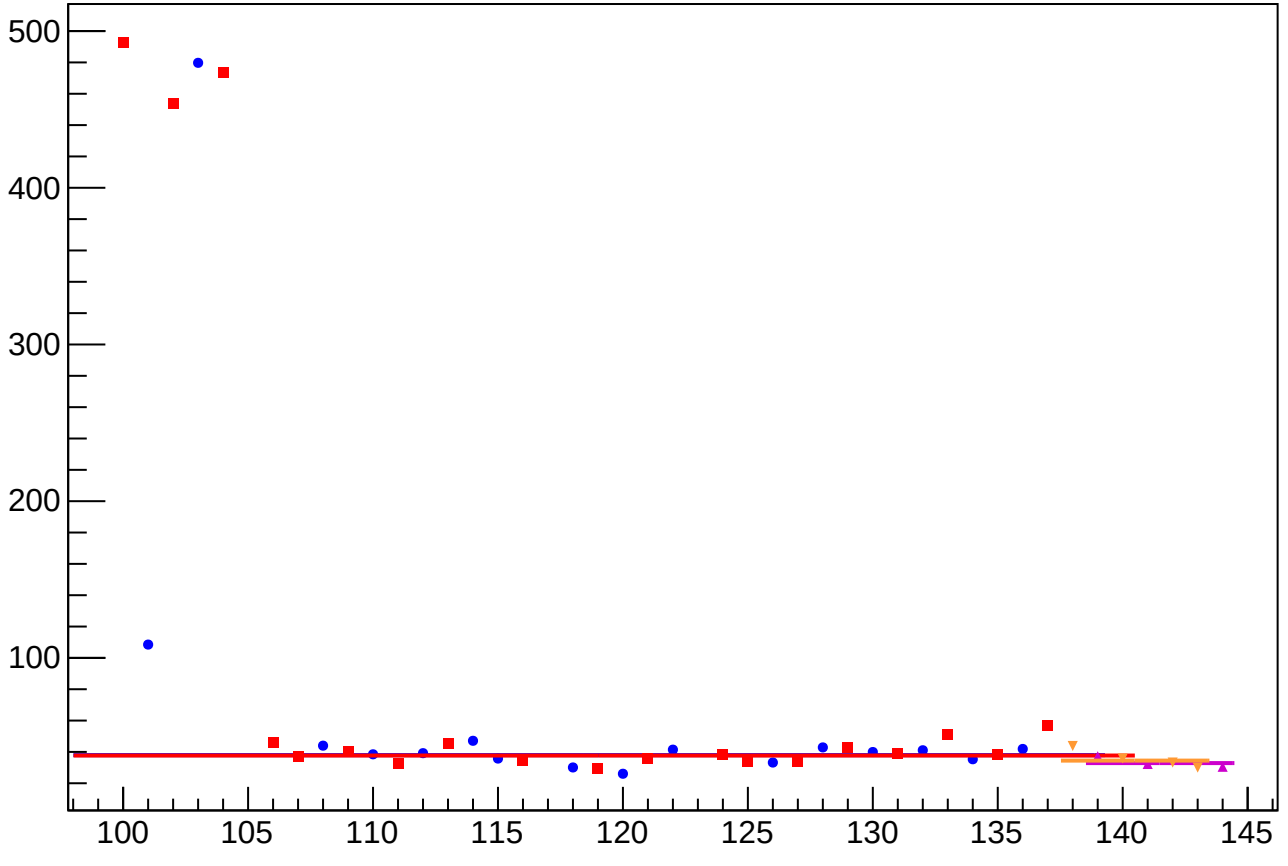
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.005+/-0.013 χ^2/NDF:28.4/18

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.011+/-0.009 χ^2/NDF: 56.1/41

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.451+/-0.016 χ^2/NDF:97956.6/3

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 32.868+/-0.015 χ^2/NDF:30440.6/2

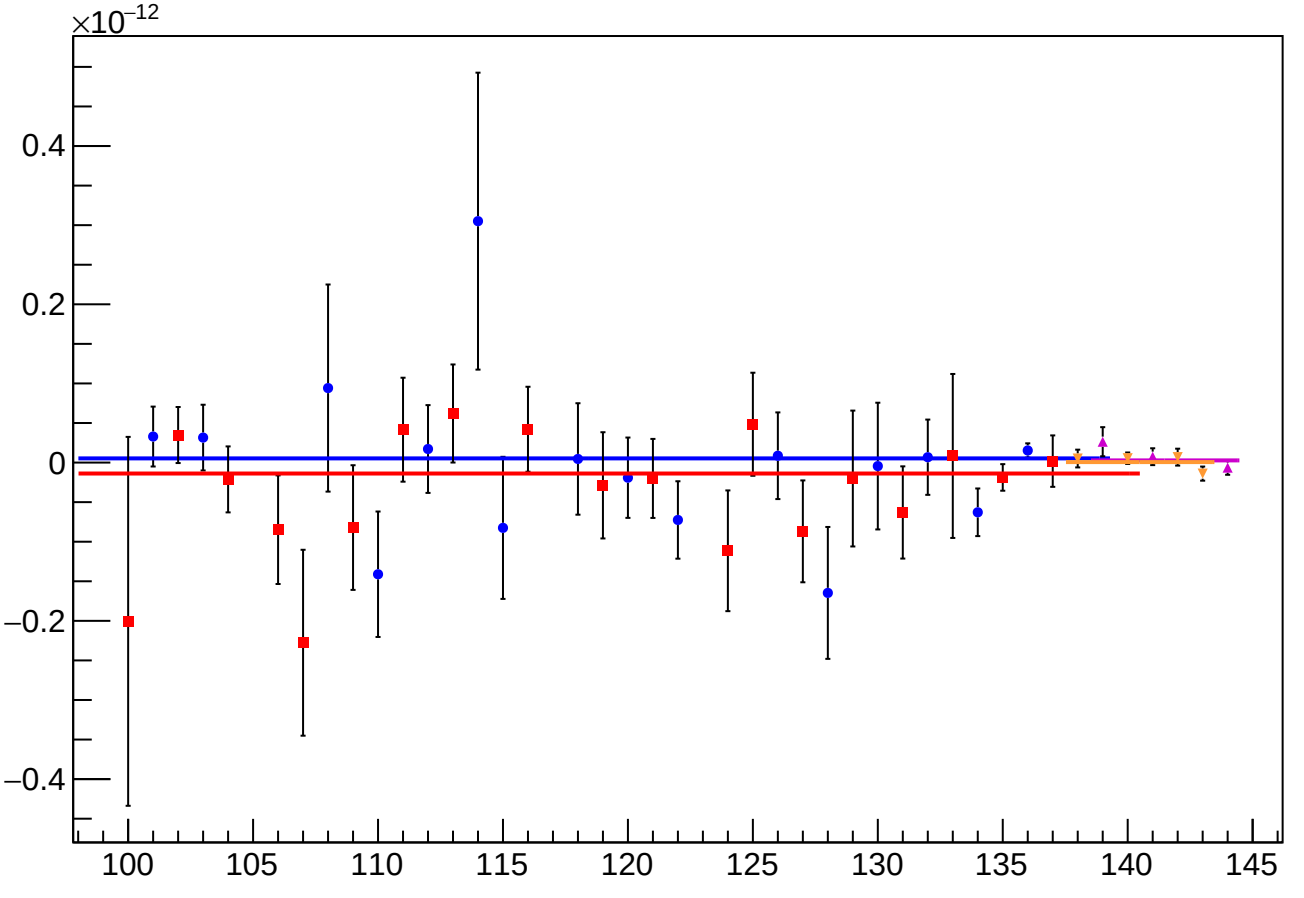
Left: 33.654+/-0.011 χ^2/NDF: 133637.0/6

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.174+/-0.009 χ^2/NDF:1840812.3/18

Out: 36.564+/-0.009 χ^2/NDF:2071400.4/22

All: 36.367+/-0.006 χ^2/NDF: 3913126.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/2

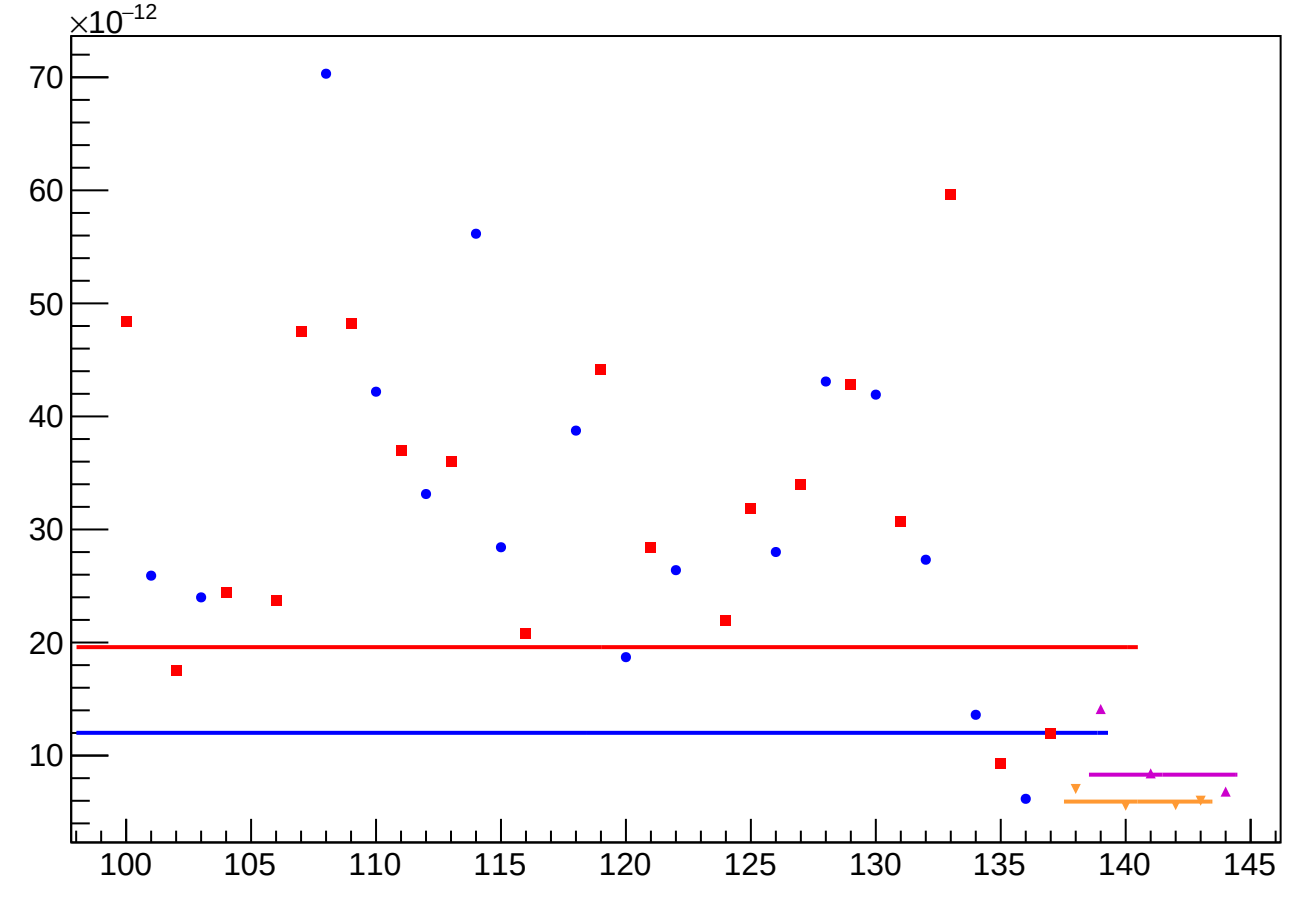
Left: 0.000+/-0.000 χ^2/NDF: 6.6/6

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:24.6/18

Out: -0.000+/-0.000 χ^2/NDF:21.2/22

All: 0.000+/-0.000 χ^2/NDF: 46.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26713.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:254098.5/2

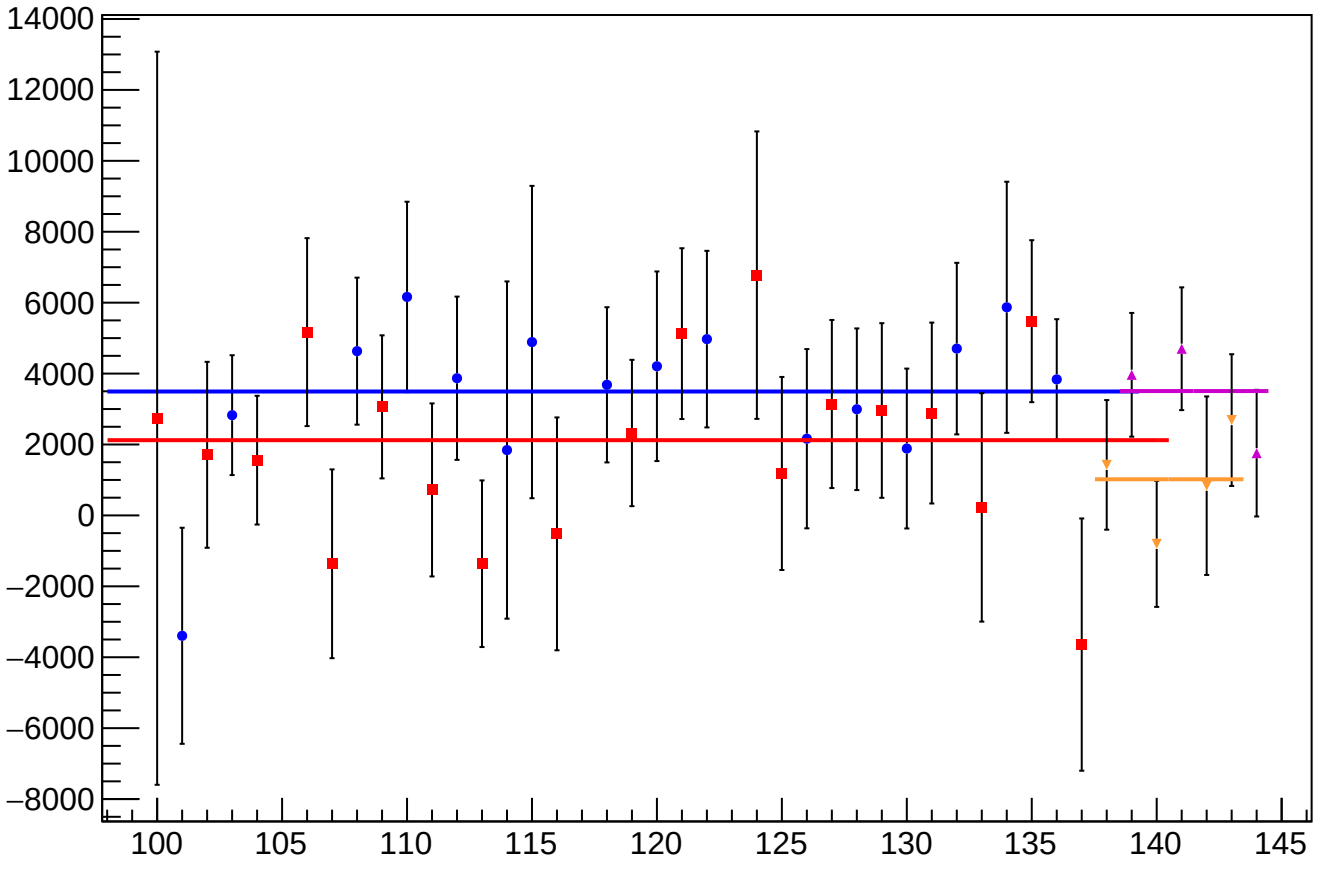
Left: 0.000+/-0.000 χ^2/NDF: 462261.0/6

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4400493.6/18

Out: 0.000+/-0.000 χ^2/NDF:5469658.7/22

All: 0.000+/-0.000 χ^2/NDF: 10026622.3/41



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.966+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3506.929+/-1012.348 χ^2/NDF:1.5/2

Left: 2209.363+/-700.251 χ^2/NDF: 6.6/6

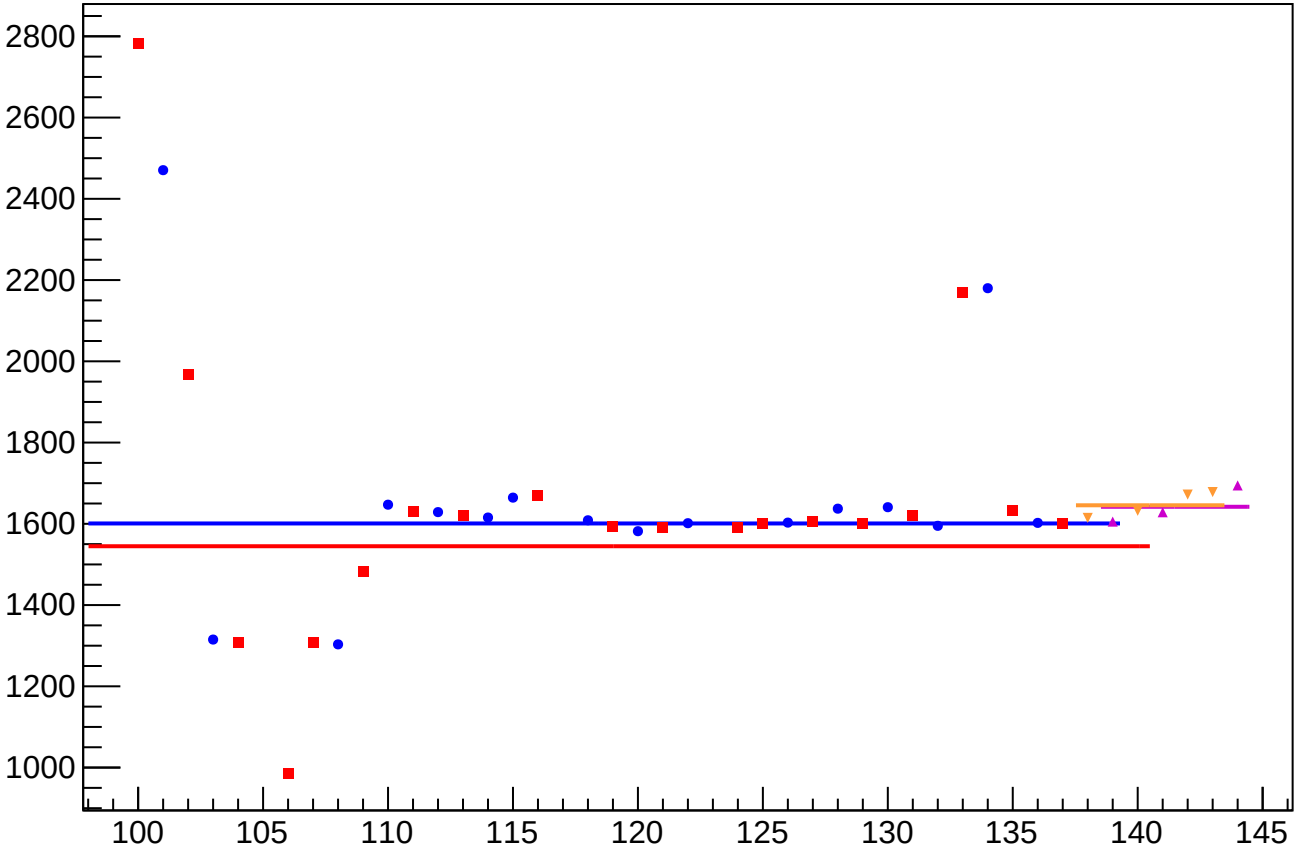
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3497.652+/-516.909 χ^2/NDF:10.3/18

Out: 1825.511+/-502.539 χ^2/NDF:17.9/22

All: 2638.016+/-360.322 χ^2/NDF: 33.6/41

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1645.619+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

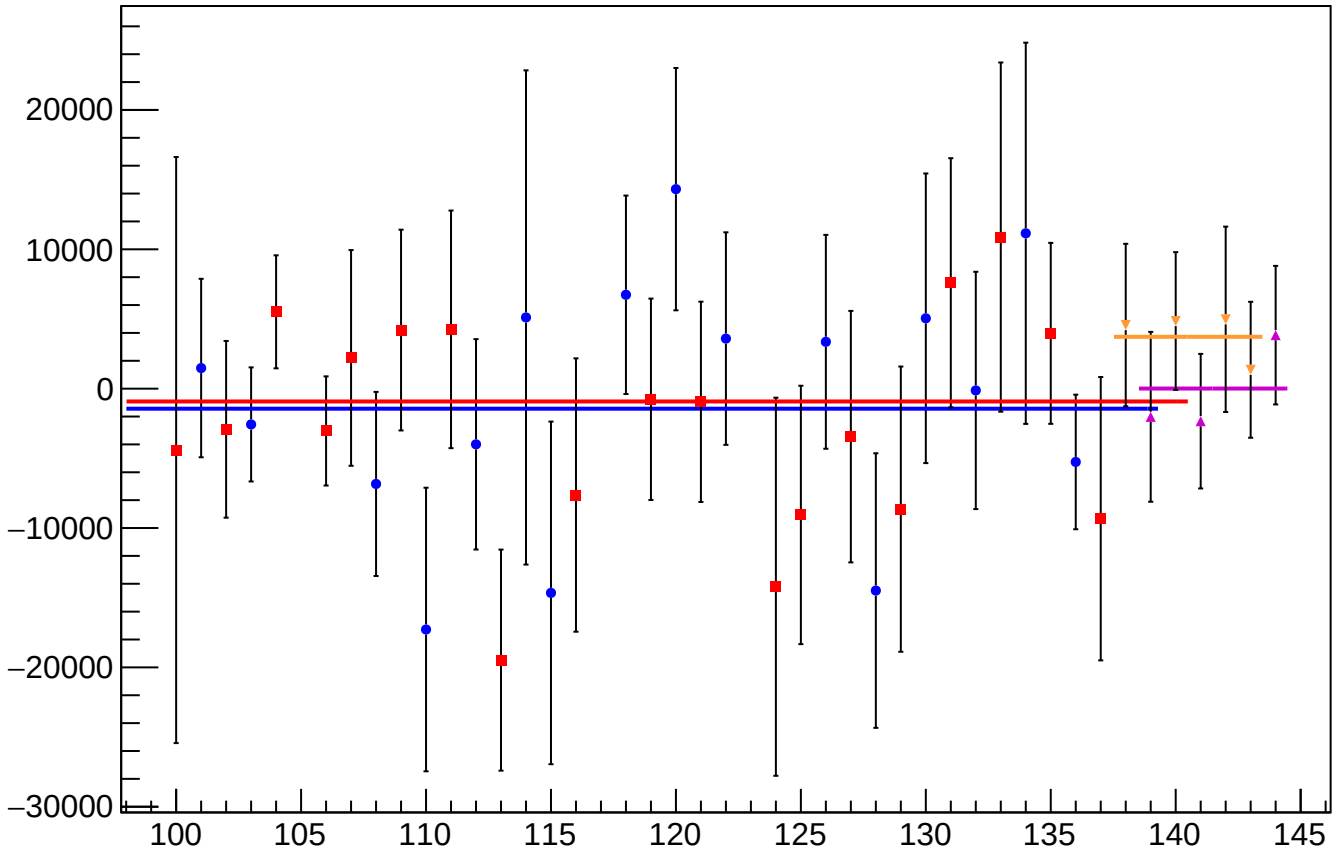
Left: 1643.859+/-0.495 χ^2/NDF: 4266.2/6

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1611.585+/-0.366 χ^2/NDF:322573.7/18

Out: 1571.227+/-0.351 χ^2/NDF:393605.7/22

All: 1590.588+/-0.253 χ^2/NDF: 722522.4/41



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3722.381+/-2721.620 χ^2/NDF:0.3/3

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 8.987+/-3011.387 χ^2/NDF:0.9/2

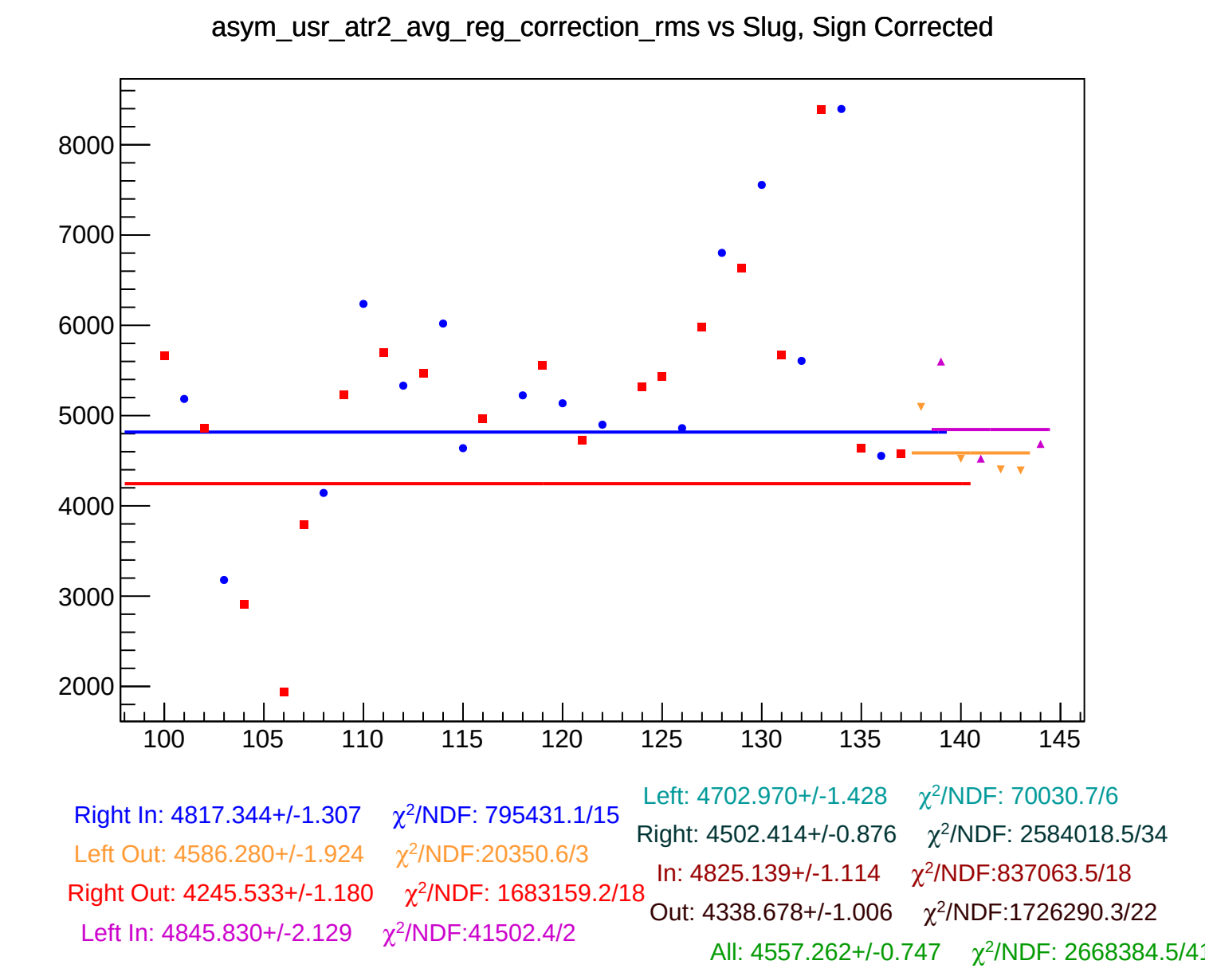
Left: 2052.894+/-2019.168 χ^2/NDF: 2.1/6

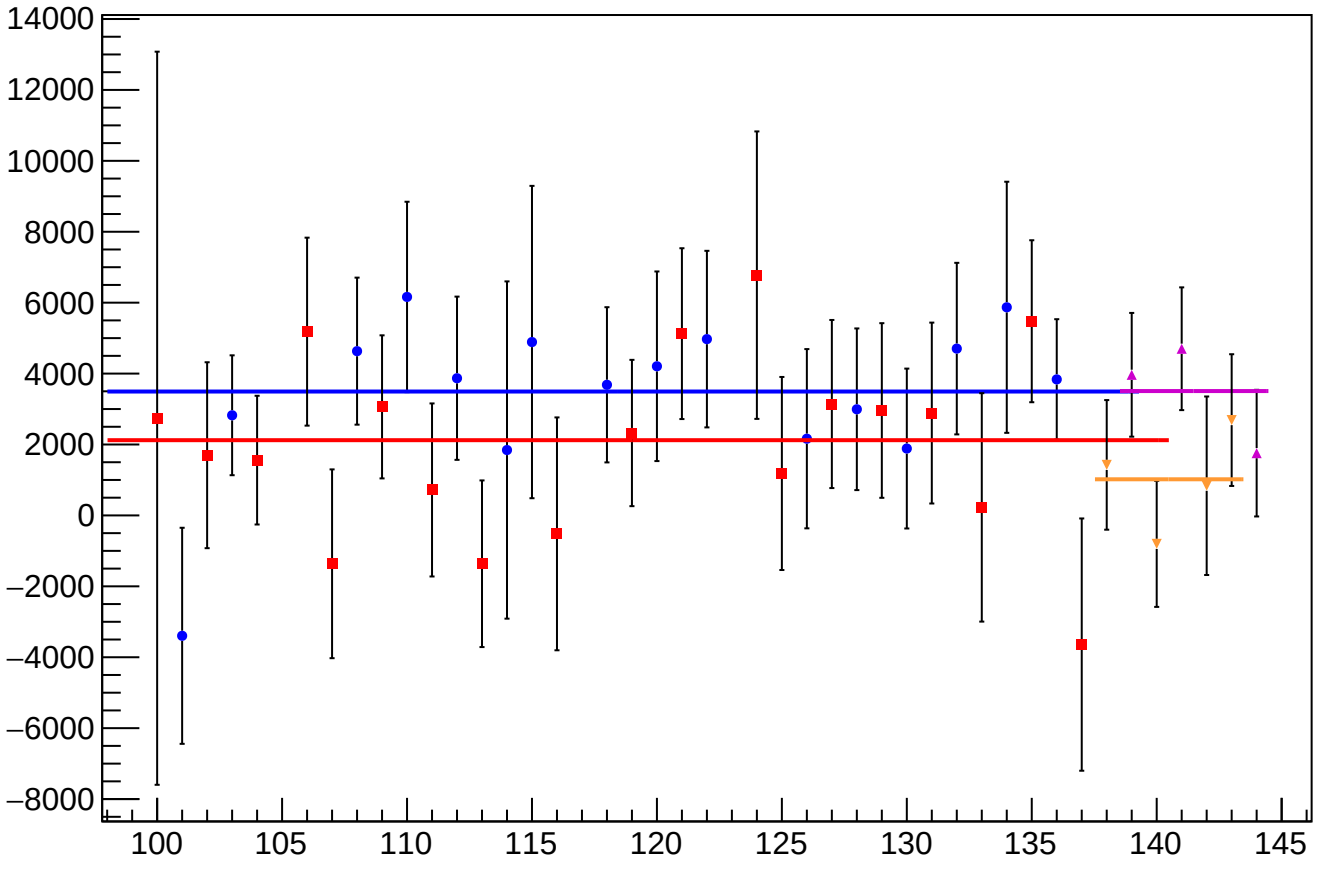
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -1041.420+/-1575.246 χ^2/NDF:15.0/18

Out: 350.114+/-1422.952 χ^2/NDF:17.8/22

All: -275.152+/-1055.927 χ^2/NDF: 33.2/41


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4586.280+/-1.924 χ²/NDF:20350.6/3
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4845.830+/-2.129 χ²/NDF:41502.4/2
Left: 4702.970+/-1.428 χ²/NDF: 70030.7/6
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4825.139+/-1.114 χ²/NDF:837063.5/18
Out: 4338.678+/-1.006 χ²/NDF:1726290.3/22
All: 4557.262+/-0.747 χ²/NDF: 2668384.5/41



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3507.146+/-1012.348 χ^2/NDF:1.5/2

Left: 2209.388+/-700.251 χ^2/NDF: 6.6/6

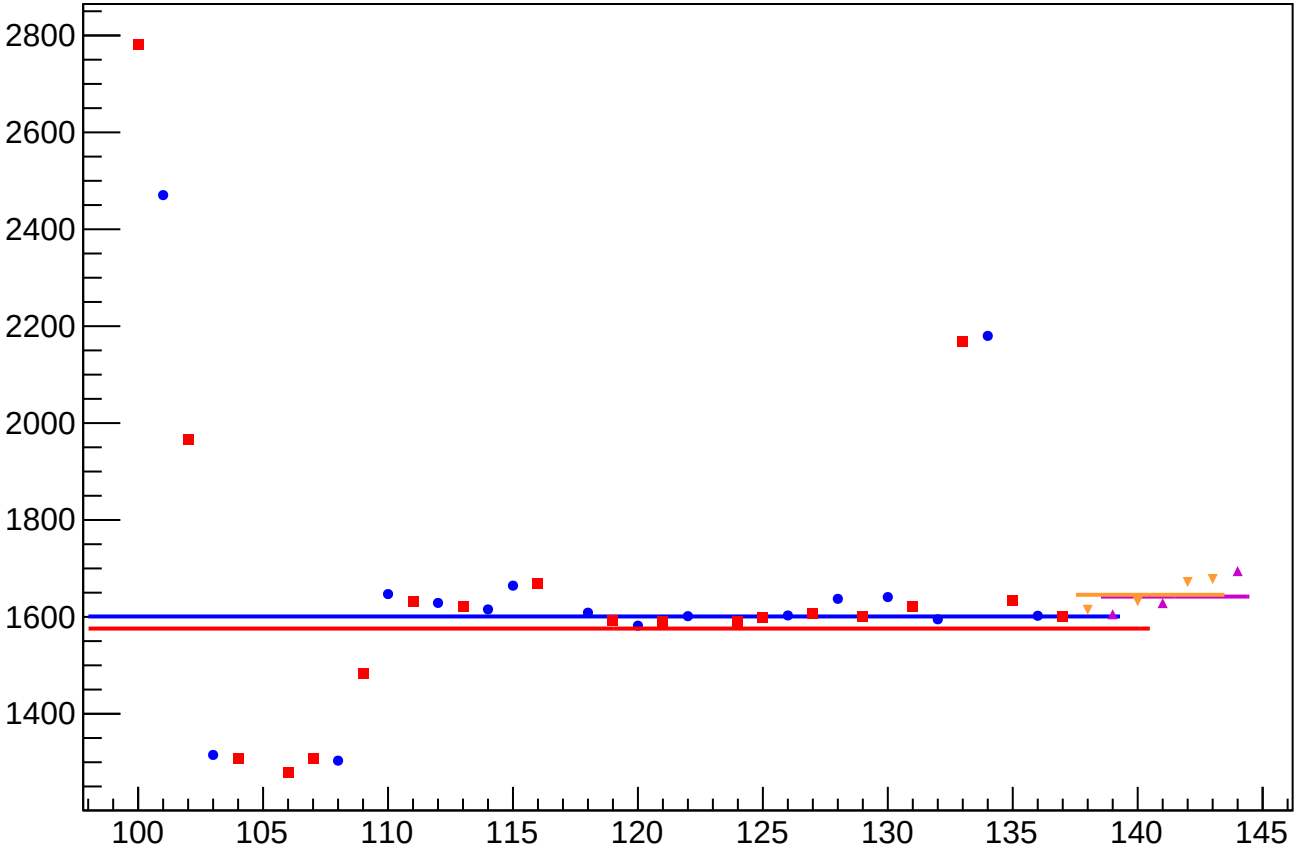
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3497.461+/-516.909 χ^2/NDF:10.3/18

Out: 1825.461+/-502.541 χ^2/NDF:18.0/22

All: 2637.901+/-360.322 χ^2/NDF: 33.6/41

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

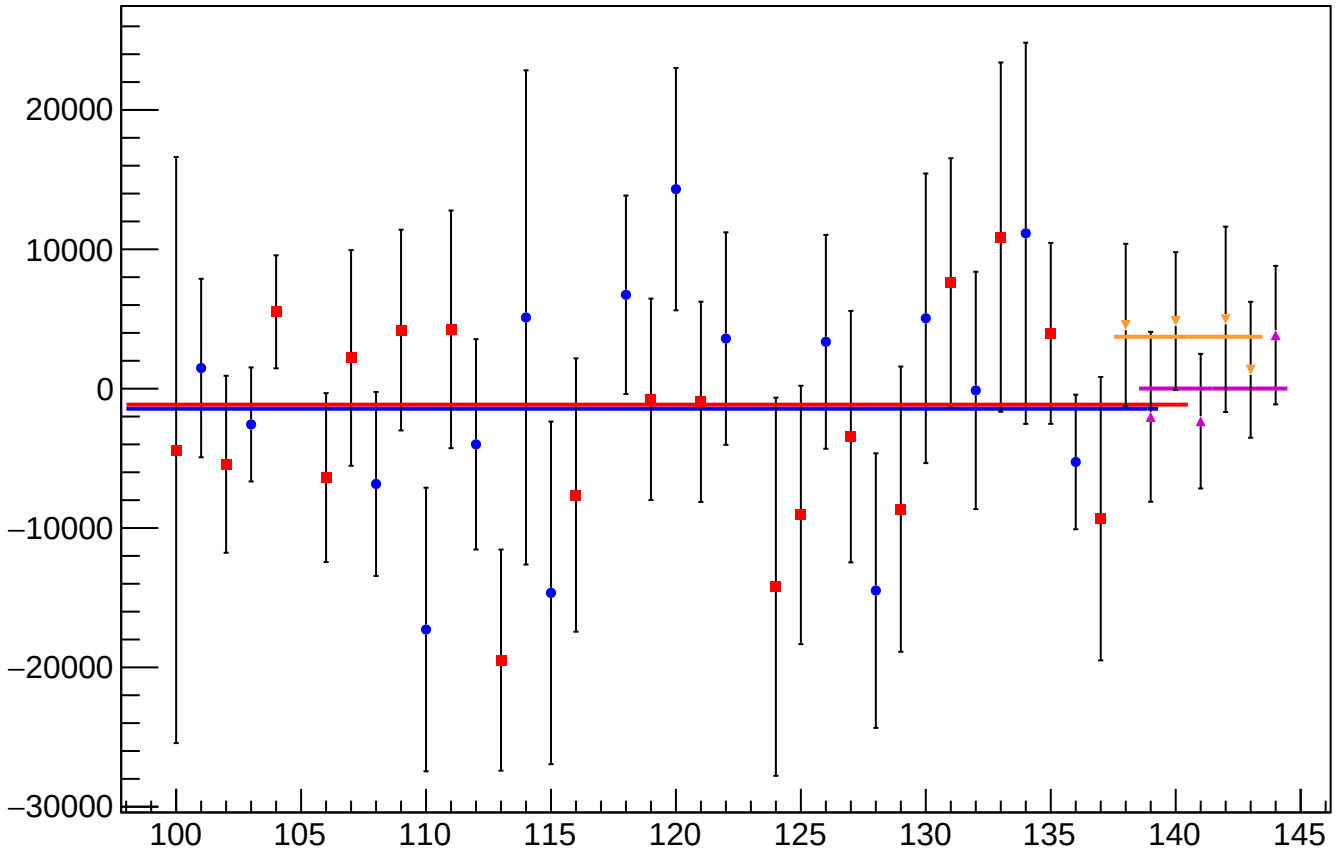
Left: 1643.860+/-0.495 χ^2/NDF: 4266.2/6

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1611.585+/-0.366 χ^2/NDF:322572.8/18

Out: 1594.520+/-0.354 χ^2/NDF:252435.6/22

All: 1602.787+/-0.254 χ^2/NDF: 576132.2/41



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3722.163+/-2721.608 χ^2/NDF:0.3/3

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 9.109+/-3011.382 χ^2/NDF:0.9/2

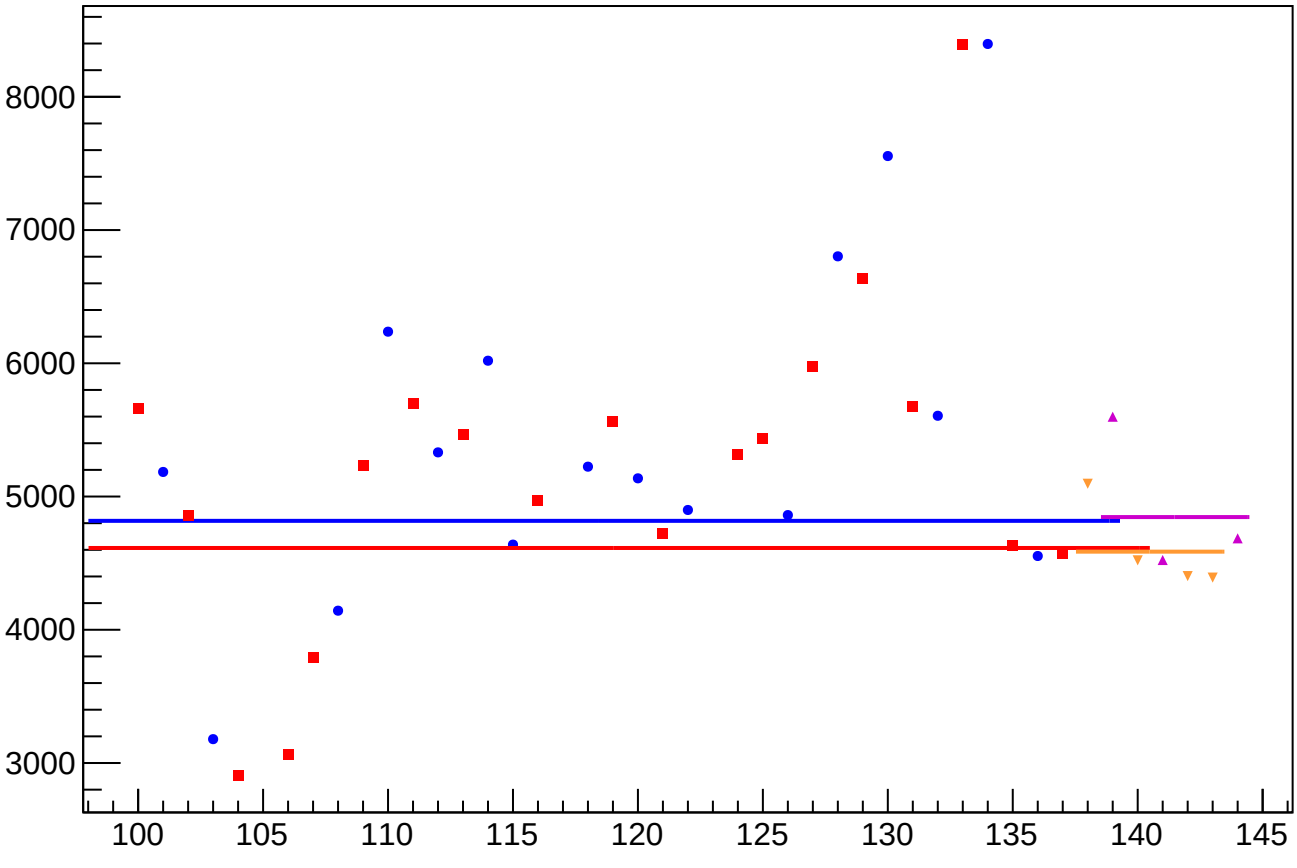
Left: 2052.834+/-2019.162 χ^2/NDF: 2.1/6

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1041.552+/-1575.268 χ^2/NDF:15.0/18

Out: 295.573+/-1481.085 χ^2/NDF:18.8/22

All: -331.824+/-1079.046 χ^2/NDF: 34.2/41



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4845.822+/-2.129 χ^2/NDF:41503.4/2

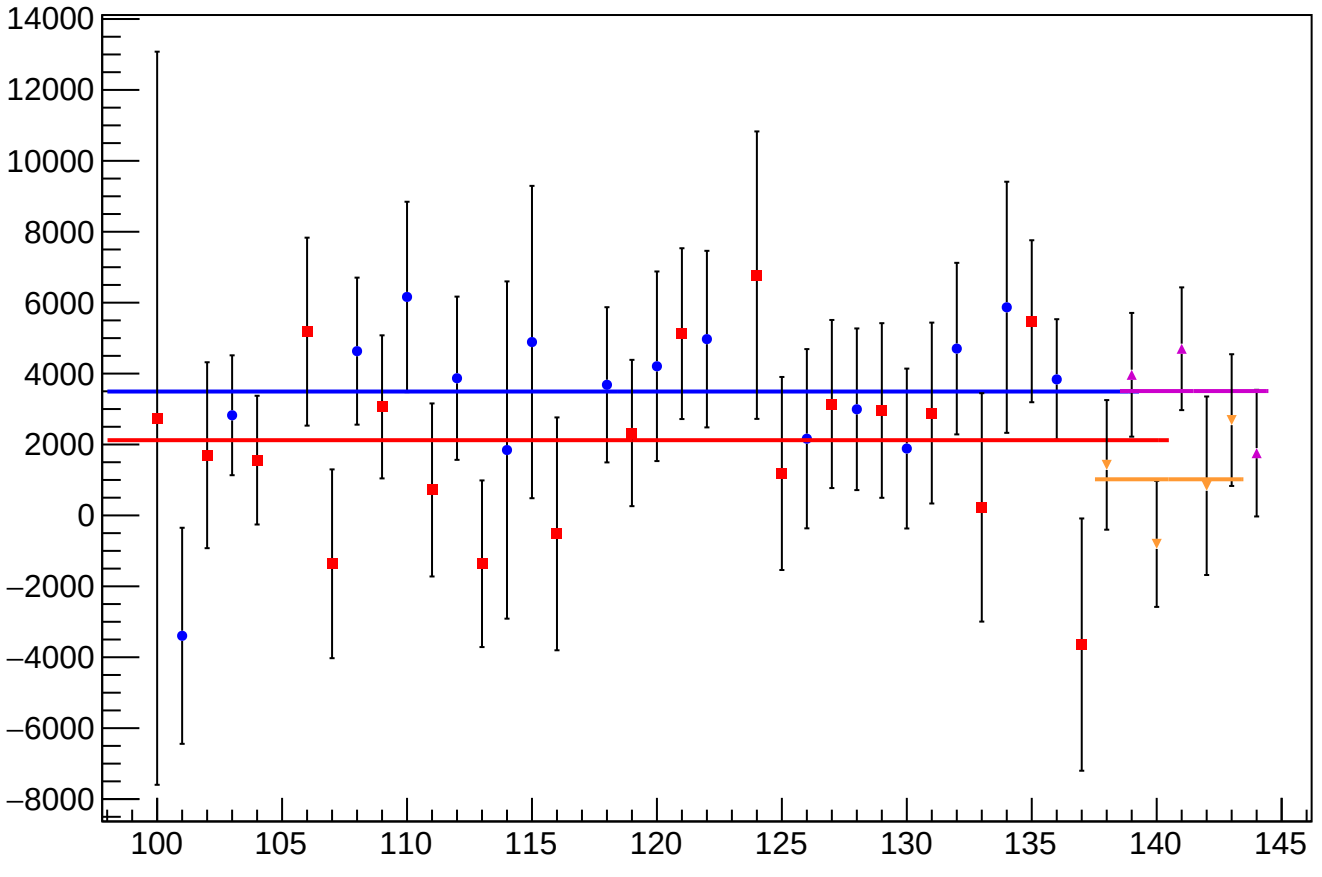
Left: 4702.955+/-1.428 χ^2/NDF: 70033.8/6

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4825.235+/-1.114 χ^2/NDF:836865.4/18

Out: 4605.679+/-1.047 χ^2/NDF:998454.8/22

All: 4708.698+/-0.763 χ^2/NDF: 1855942.2/41



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3507.146+/-1012.348 χ^2/NDF:1.5/2

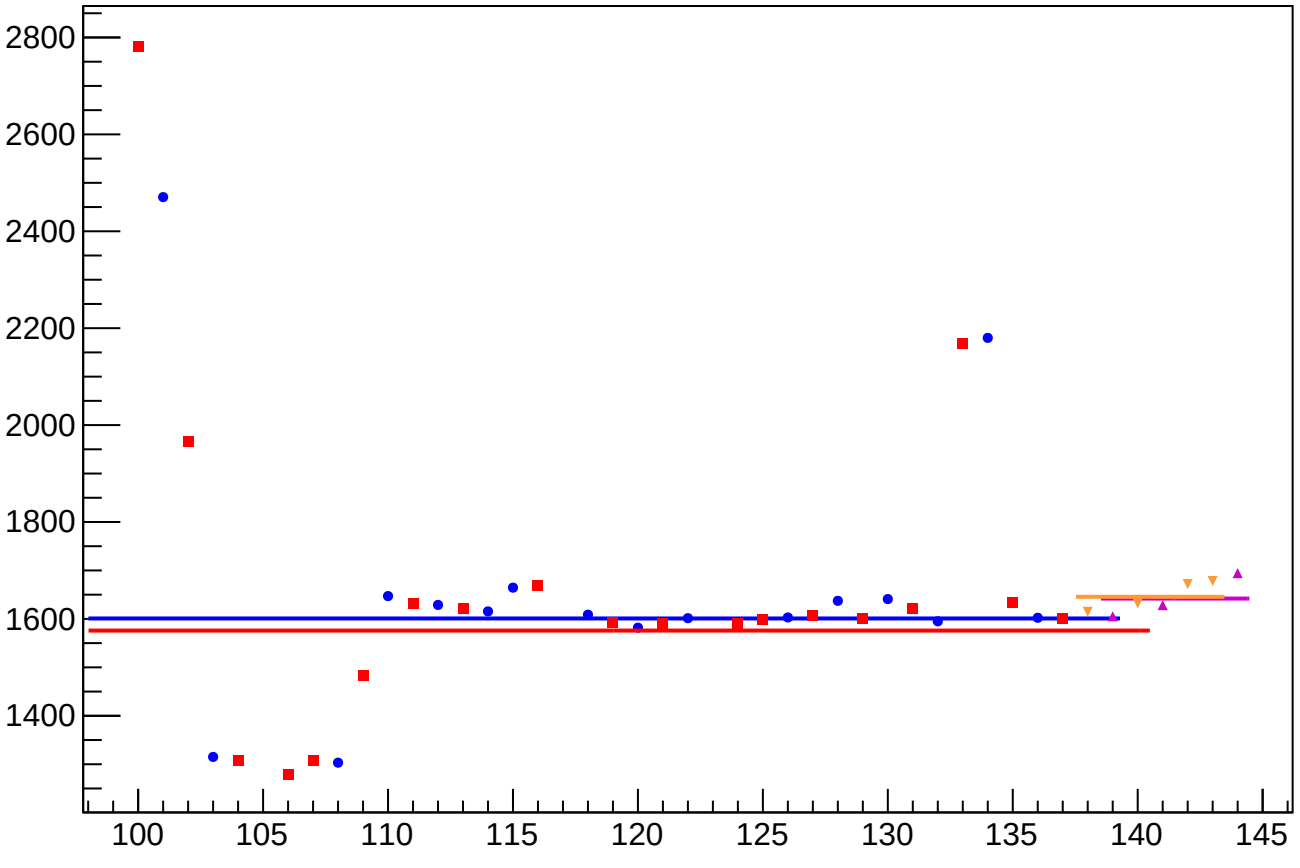
Left: 2209.388+/-700.251 χ^2/NDF: 6.6/6

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3497.461+/-516.909 χ^2/NDF:10.3/18

Out: 1825.461+/-502.541 χ^2/NDF:18.0/22

All: 2637.901+/-360.322 χ^2/NDF: 33.6/41



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1641.941+/-0.716 χ^2/NDF:2727.3/2

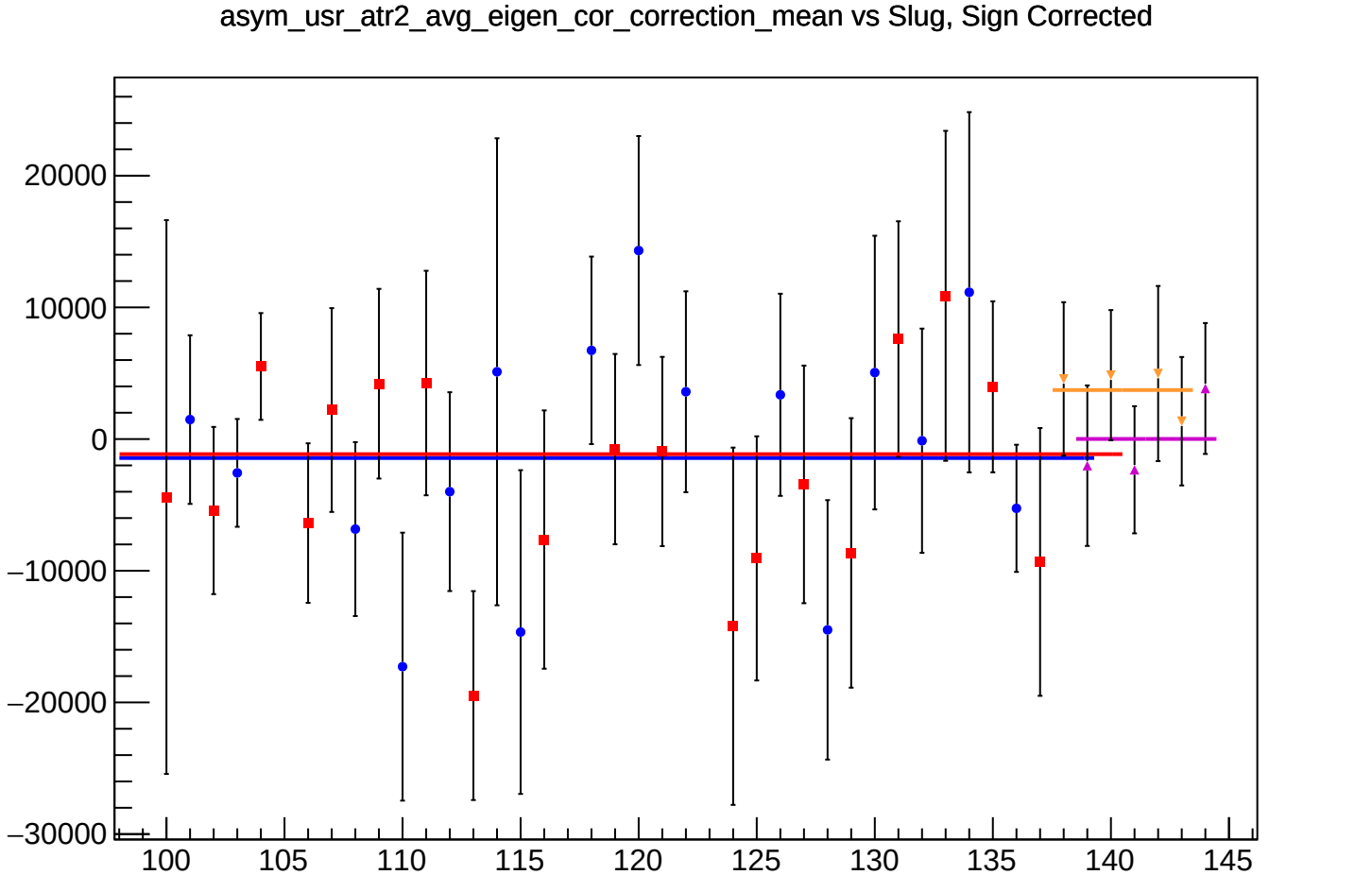
Left: 1643.860+/-0.495 χ^2/NDF: 4266.2/6

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1611.585+/-0.366 χ^2/NDF:322572.8/18

Out: 1594.520+/-0.354 χ^2/NDF:252435.6/22

All: 1602.787+/-0.254 χ^2/NDF: 576132.2/41



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3722.163+/-2721.608 χ^2/NDF:0.3/3

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 9.109+/-3011.382 χ^2/NDF:0.9/2

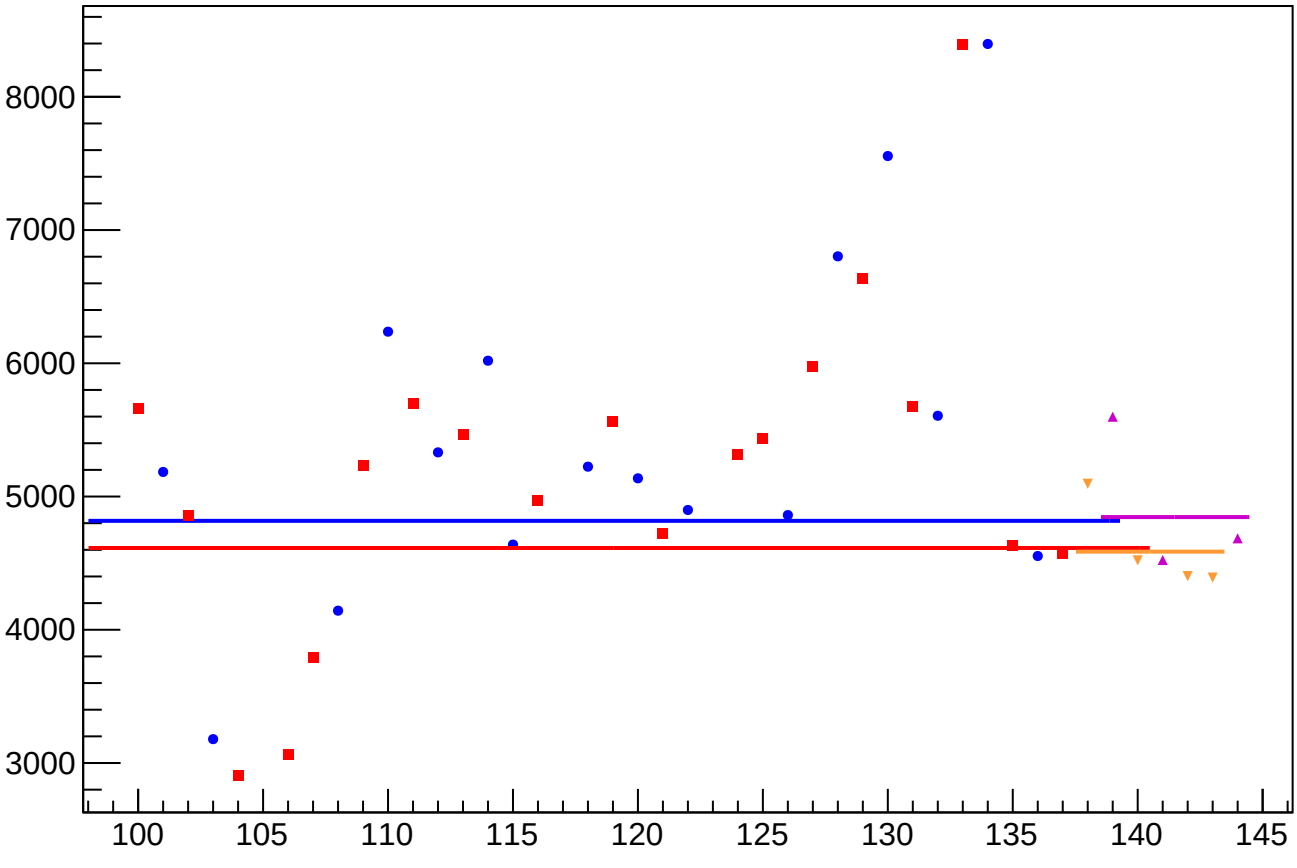
Left: 2052.834+/-2019.162 χ^2/NDF: 2.1/6

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1041.552+/-1575.268 χ^2/NDF:15.0/18

Out: 295.573+/-1481.085 χ^2/NDF:18.8/22

All: -331.824+/-1079.046 χ^2/NDF: 34.2/41



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4845.822+/-2.129 χ^2/NDF:41503.4/2

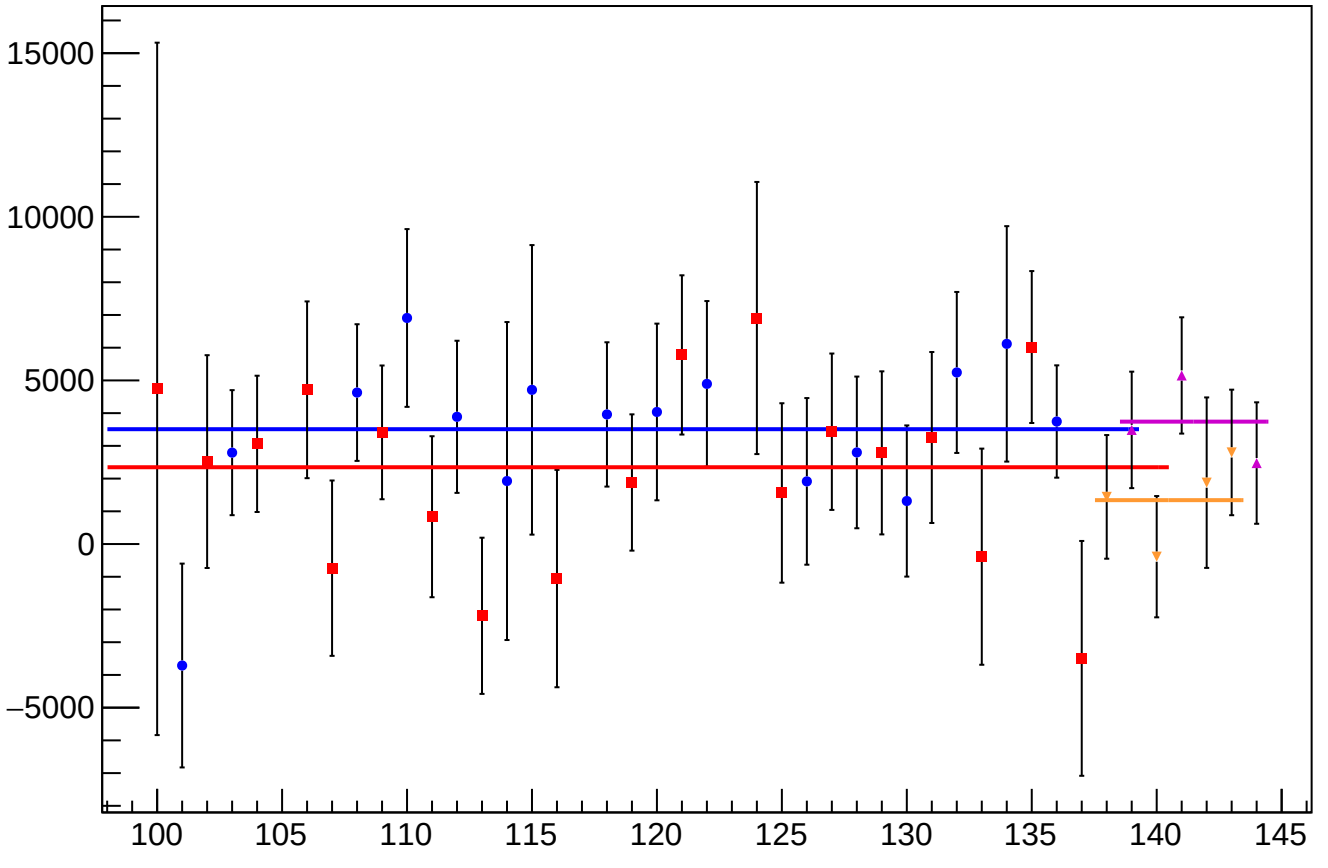
Left: 4702.955+/-1.428 χ^2/NDF: 70033.8/6

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4825.235+/-1.114 χ^2/NDF:836865.4/18

Out: 4605.679+/-1.047 χ^2/NDF:998454.8/22

All: 4708.698+/-0.763 χ^2/NDF: 1855942.2/41



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.168+/-1004.804 χ^2/NDF:1.5/3

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3740.287+/-1041.000 χ^2/NDF:1.1/2

Left: 2498.293+/-722.961 χ^2/NDF: 5.4/6

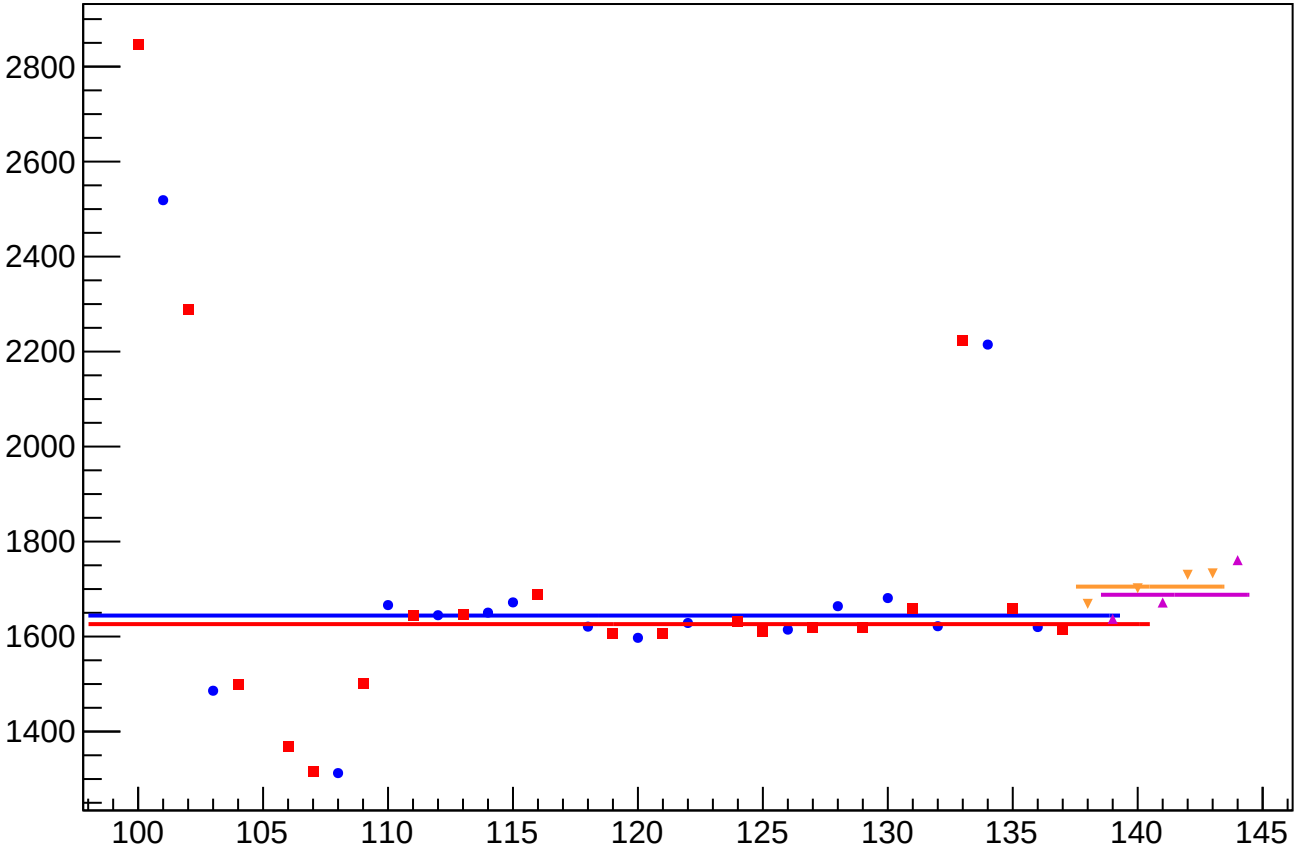
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3569.462+/-530.600 χ^2/NDF:11.5/18

Out: 2077.647+/-519.871 χ^2/NDF:19.3/22

All: 2808.321+/-371.339 χ^2/NDF: 34.9/41

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1705.137+/-0.711 χ^2/NDF:1349.8/3

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1687.964+/-0.736 χ^2/NDF:4881.7/2

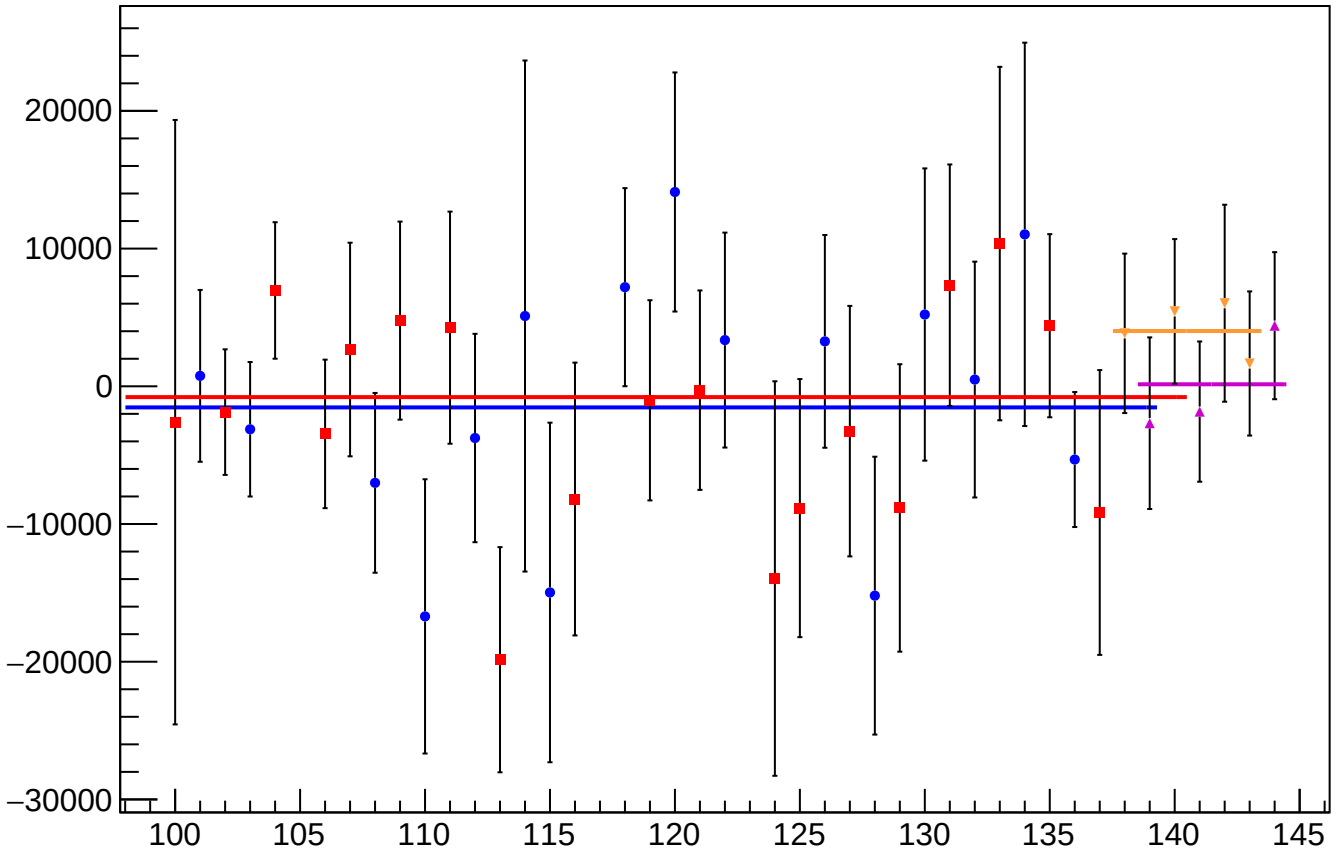
Left: 1696.854+/-0.511 χ^2/NDF: 6513.3/6

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1655.568+/-0.375 χ^2/NDF:282316.3/18

Out: 1647.285+/-0.367 χ^2/NDF:248038.3/22

All: 1651.339+/-0.262 χ^2/NDF: 530603.4/41



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4015.120+/-2861.059 χ^2/NDF:0.4/3

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 145.808+/-3171.813 χ^2/NDF:1.0/2

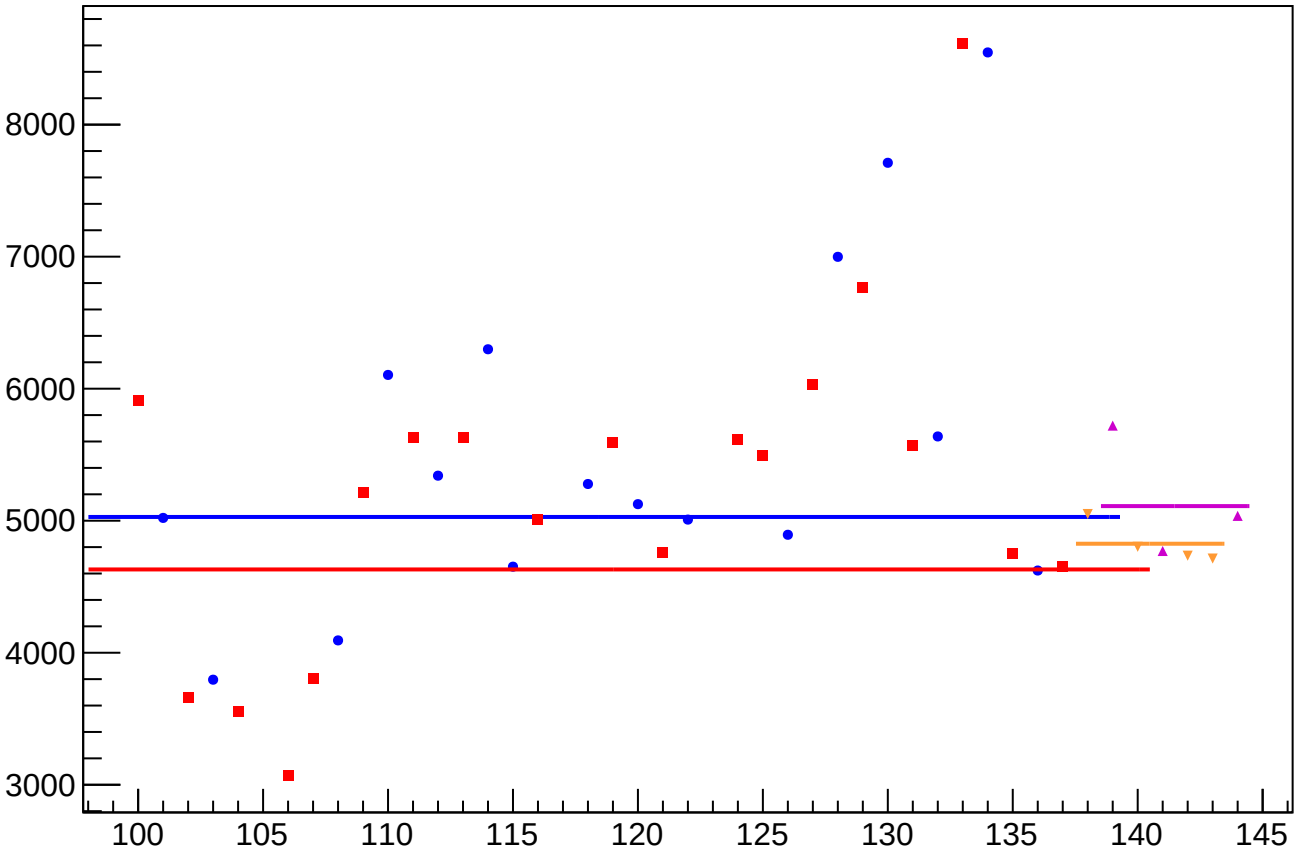
Left: 2279.246+/-2124.466 χ^2/NDF: 2.2/6

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -1084.280+/-1638.623 χ^2/NDF:15.1/18

Out: 520.911+/-1491.987 χ^2/NDF:17.4/22

All: -206.663+/-1103.200 χ^2/NDF: 33.0/41



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4825.653+/-2.023 χ^2/NDF:4300.8/3

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5110.703+/-2.243 χ^2/NDF:28445.2/2

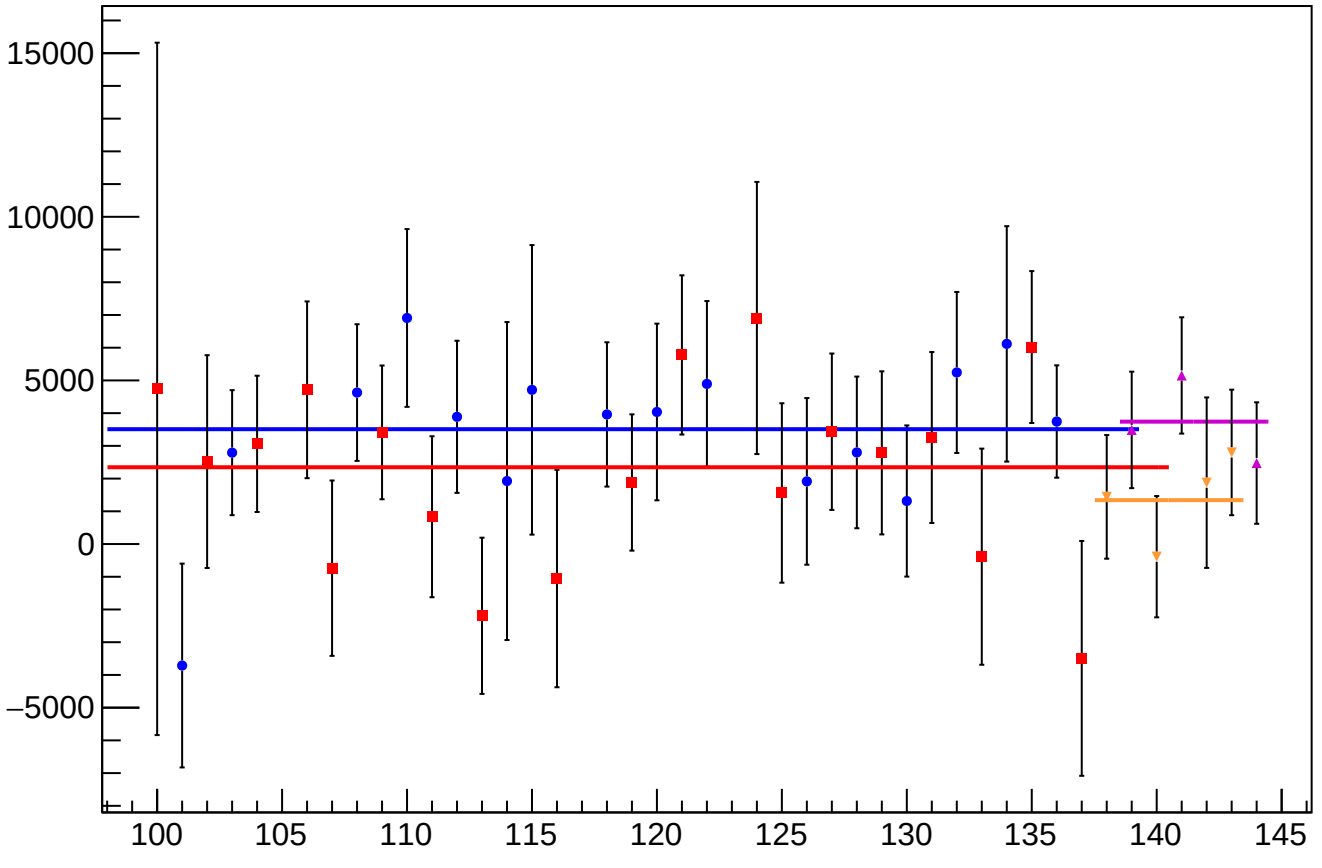
Left: 4953.534+/-1.502 χ^2/NDF: 41652.5/6

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5050.403+/-1.159 χ^2/NDF:594900.7/18

Out: 4683.862+/-1.055 χ^2/NDF:874562.6/22

All: 4850.001+/-0.780 χ^2/NDF: 1524176.8/41



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.165+/-1004.805 χ^2/NDF:1.5/3

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3740.275+/-1041.001 χ^2/NDF:1.1/2

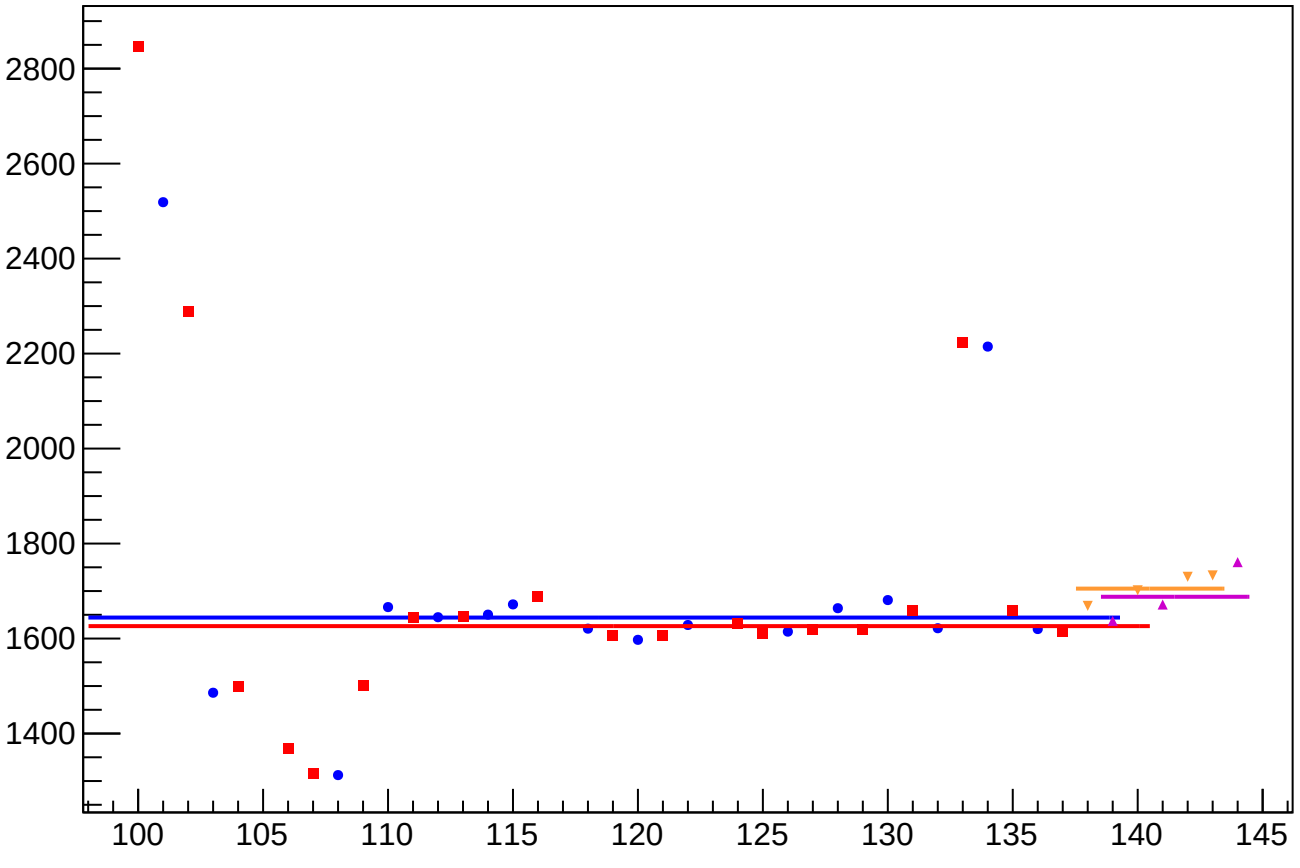
Left: 2498.286+/-722.962 χ^2/NDF: 5.4/6

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3569.461+/-530.599 χ^2/NDF:11.5/18

Out: 2077.651+/-519.871 χ^2/NDF:19.3/22

All: 2808.322+/-371.339 χ^2/NDF: 34.9/41



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1705.138+/-0.711 χ^2/NDF:1349.9/3

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1687.965+/-0.736 χ^2/NDF:4881.7/2

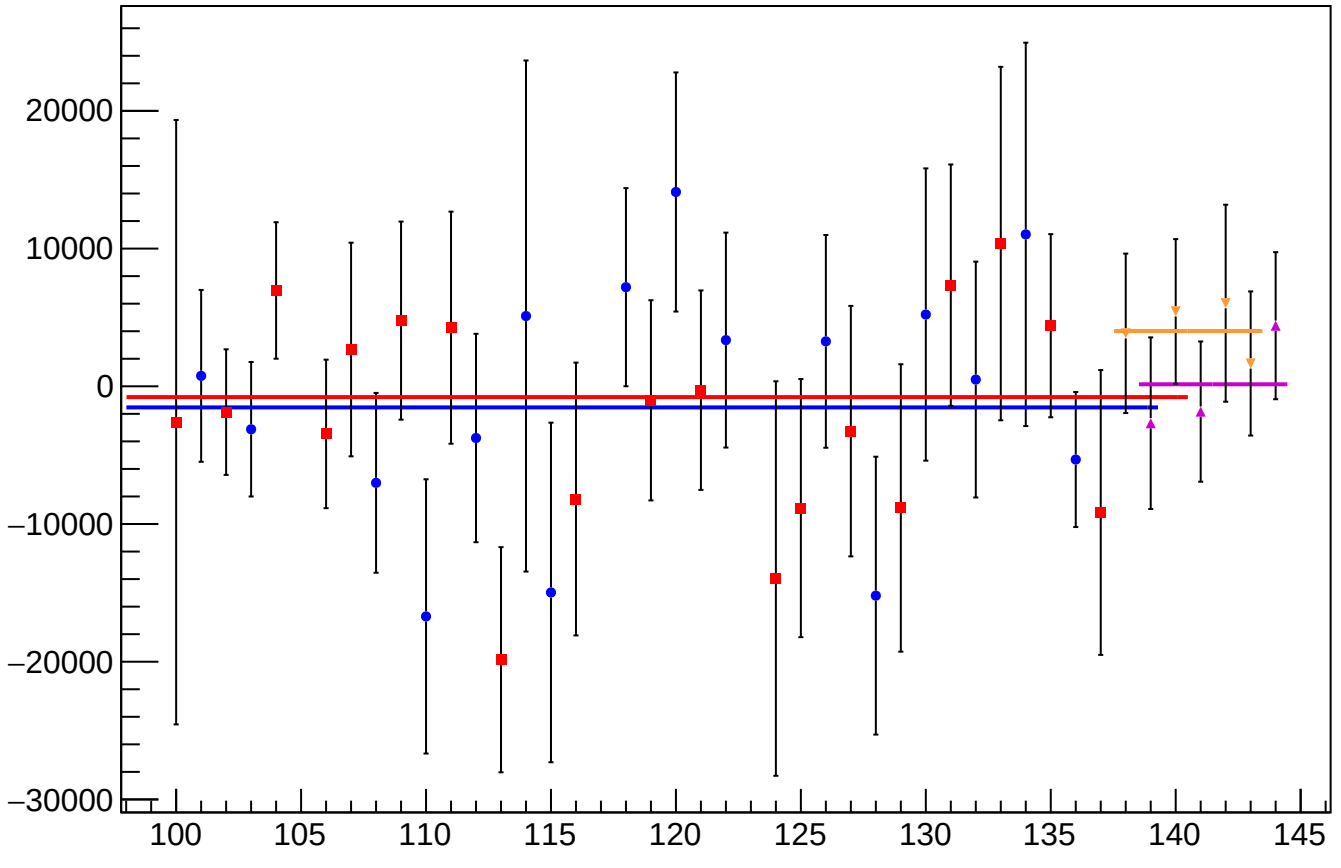
Left: 1696.855+/-0.511 χ^2/NDF: 6513.4/6

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1655.568+/-0.375 χ^2/NDF:282316.6/18

Out: 1647.285+/-0.367 χ^2/NDF:248038.2/22

All: 1651.339+/-0.262 χ^2/NDF: 530603.7/41



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4015.124+/-2861.063 χ^2/NDF:0.4/3

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 145.797+/-3171.816 χ^2/NDF:1.0/2

Left: 2279.242+/-2124.469 χ^2/NDF: 2.2/6

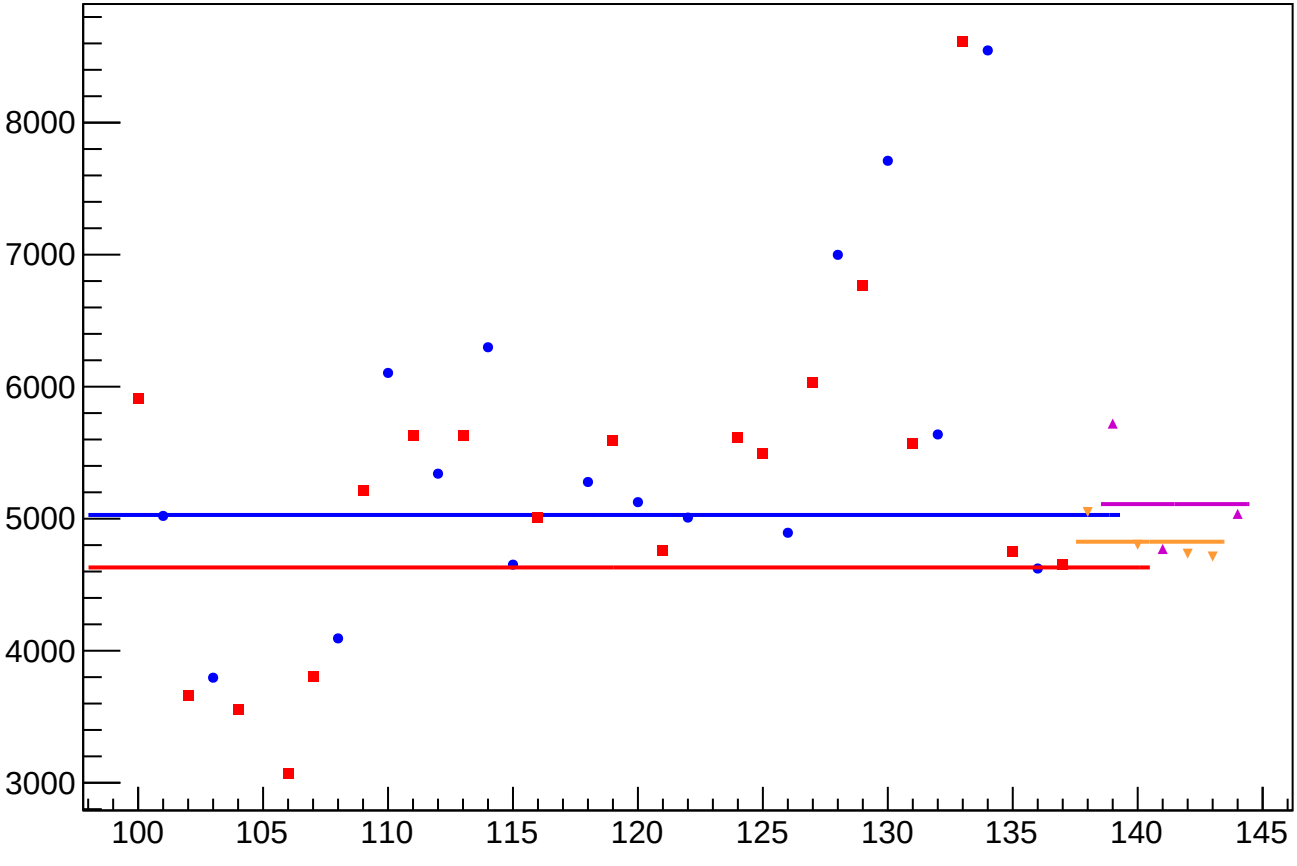
Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -1084.273+/-1638.621 χ^2/NDF:15.1/18

Out: 520.906+/-1491.986 χ^2/NDF:17.4/22

All: -206.663+/-1103.199 χ^2/NDF: 33.0/41

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4825.659+/-2.023 χ^2/NDF:4300.9/3

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5110.709+/-2.243 χ^2/NDF:28446.0/2

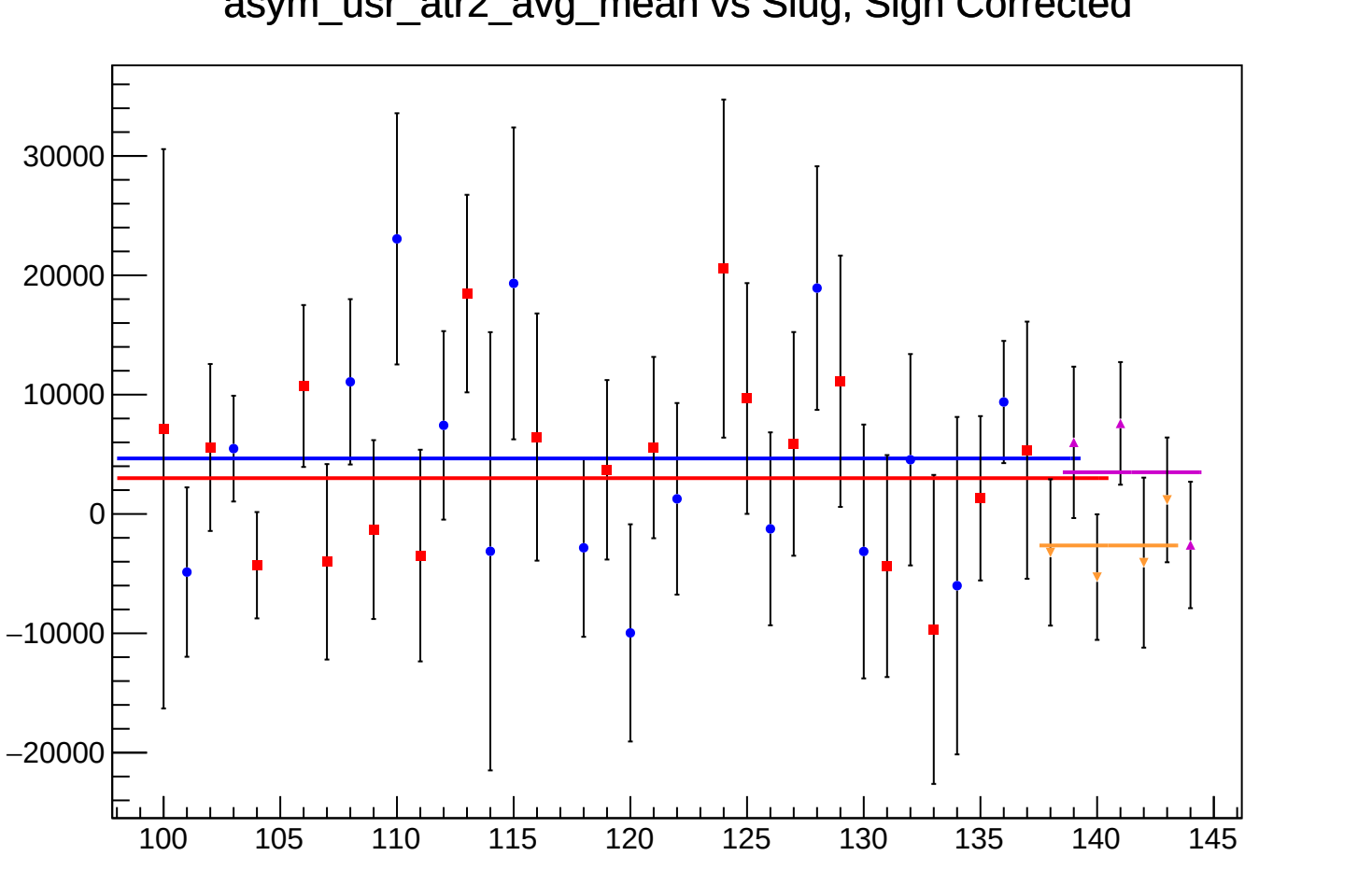
Left: 4953.540+/-1.502 χ^2/NDF: 41653.2/6

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5050.399+/-1.159 χ^2/NDF:594895.4/18

Out: 4683.859+/-1.055 χ^2/NDF:874557.7/22

All: 4849.998+/-0.780 χ^2/NDF: 1524166.6/41



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2638.186+/-2898.231 χ^2/NDF:0.8/3

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 3497.203+/-3188.397 χ^2/NDF:2.1/2

Left: 137.681+/-2144.621 χ^2/NDF: 5.0/6

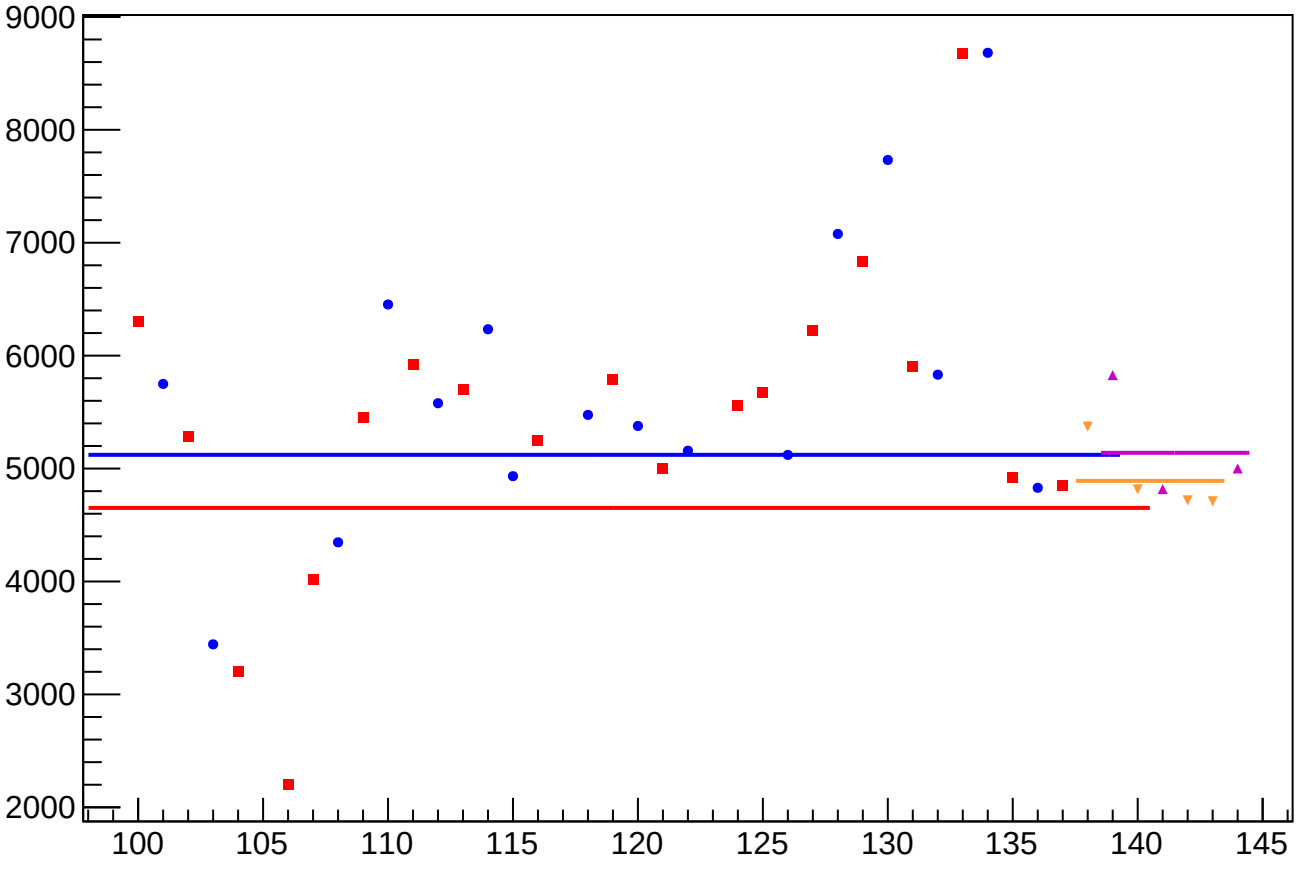
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 4336.471+/-1668.808 χ^2/NDF:17.7/18

Out: 1327.365+/-1578.895 χ^2/NDF:17.4/22

All: 2748.674+/-1146.917 χ^2/NDF: 36.8/41

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4891.099+/-2.049 χ^2/NDF:16256.1/3

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5139.584+/-2.255 χ^2/NDF:32728.2/2

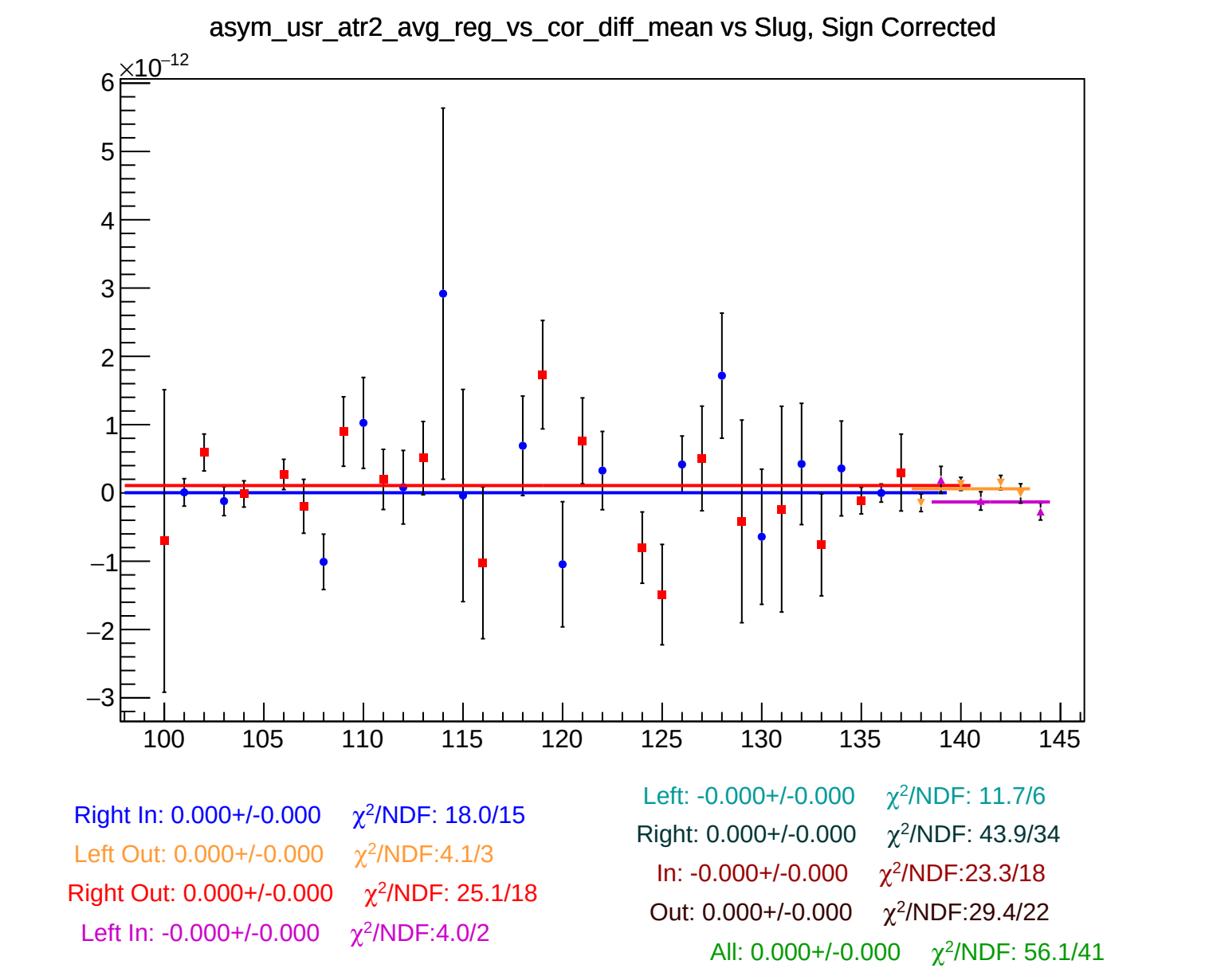
Left: 5003.522+/-1.516 χ^2/NDF: 55635.8/6

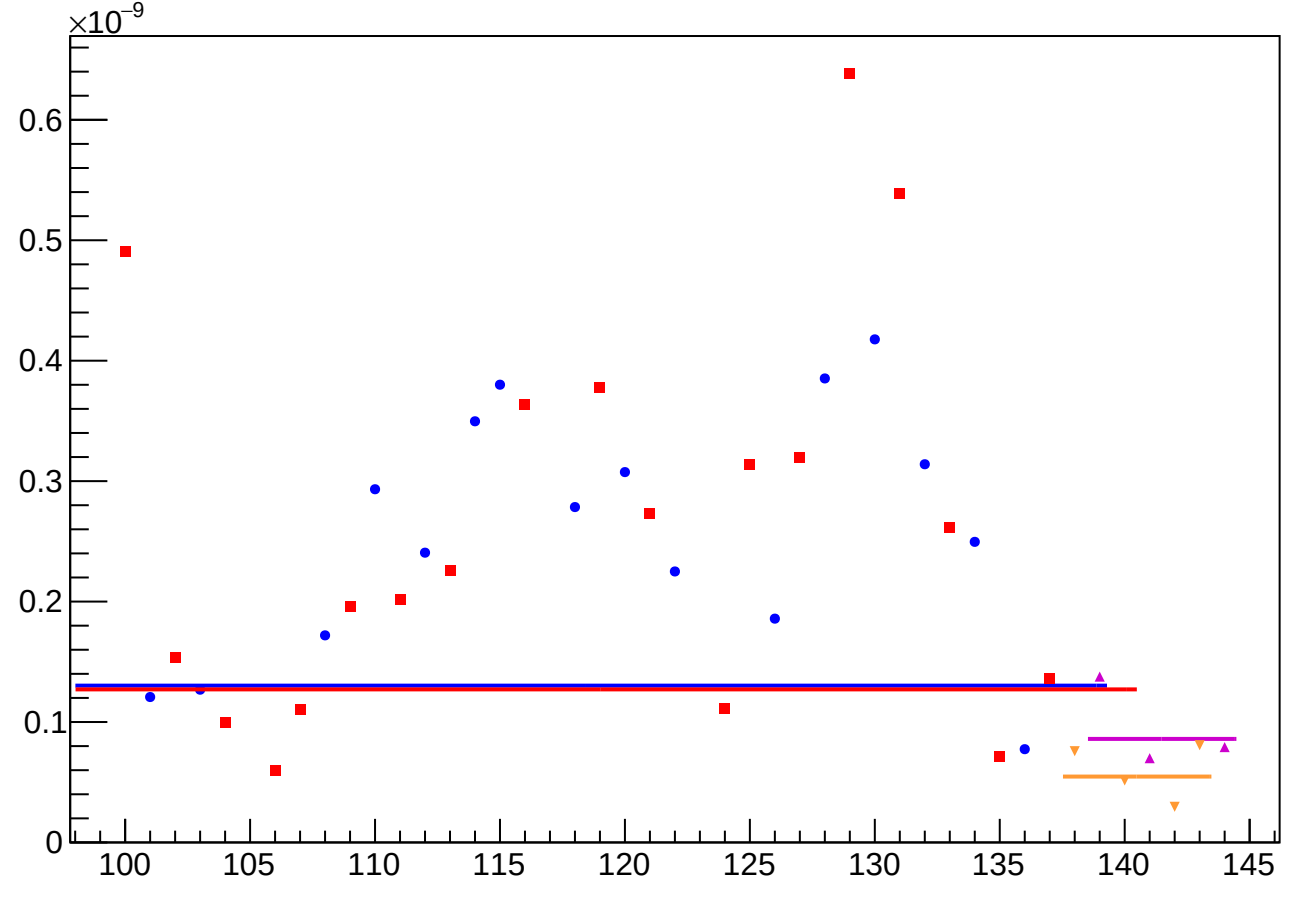
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5126.558+/-1.180 χ^2/NDF:753144.3/18

Out: 4718.929+/-1.086 χ^2/NDF:1370936.9/22

All: 4905.832+/-0.799 χ^2/NDF: 2188696.7/41


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:4.0/2
Left: -0.000+/-0.000 χ²/NDF: 11.7/6
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:23.3/18
Out: 0.000+/-0.000 χ²/NDF:29.4/22
All: 0.000+/-0.000 χ²/NDF: 56.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:235115.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:171736.7/2

Left: 0.000+/-0.000 χ^2/NDF: 600458.9/6

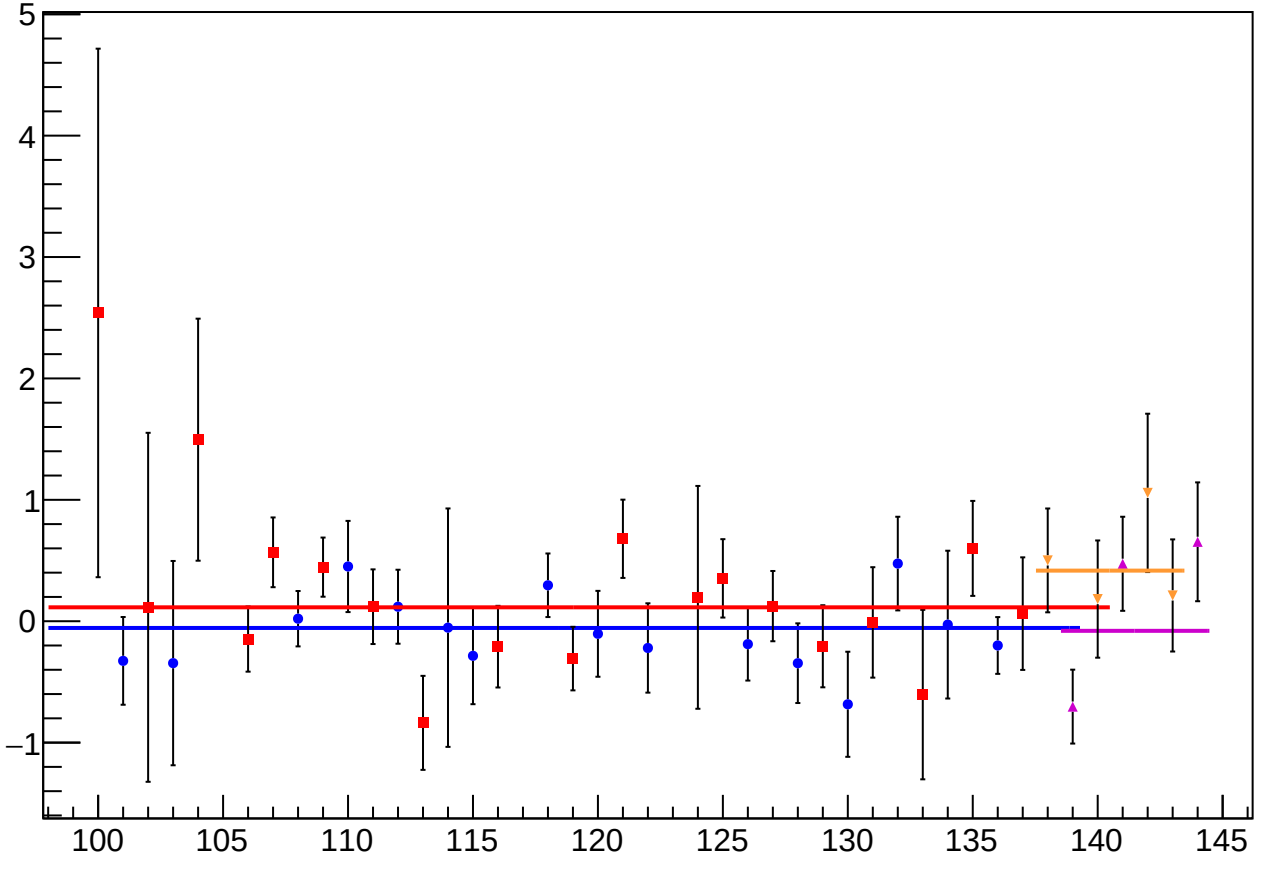
Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:1774005.7/18

Out: 0.000+/-0.000 χ^2/NDF:2898876.0/22

All: 0.000+/-0.000 χ^2/NDF: 5011100.6/41

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: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.215 χ^2/NDF:8.5/2

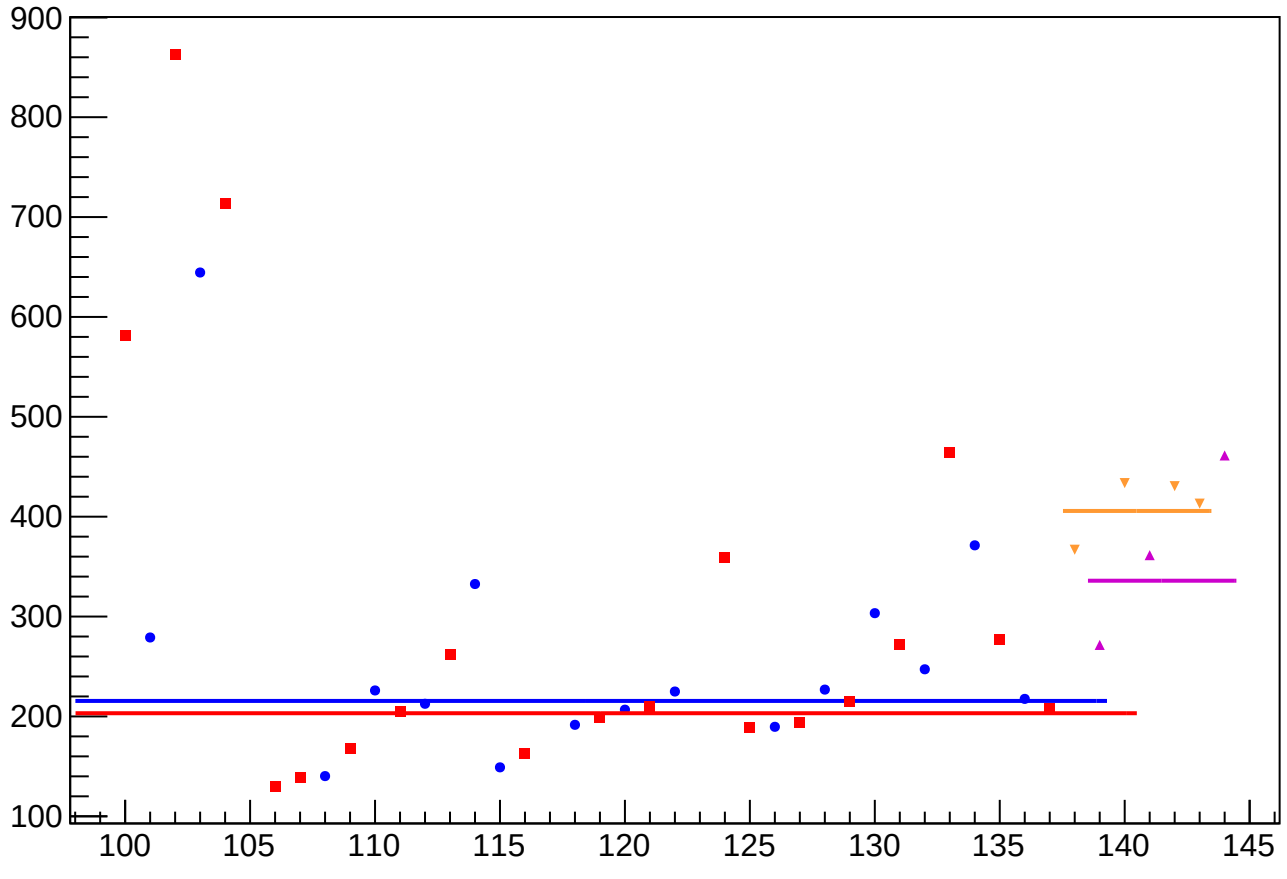
Left: 0.138+/-0.161 χ^2/NDF: 12.2/6

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.059+/-0.079 χ^2/NDF:19.2/18

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.044+/-0.056 χ^2/NDF: 50.5/41



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.887+/-0.152 χ^2/NDF:229262.3/2

Left: 366.415+/-0.114 χ^2/NDF: 348076.6/6

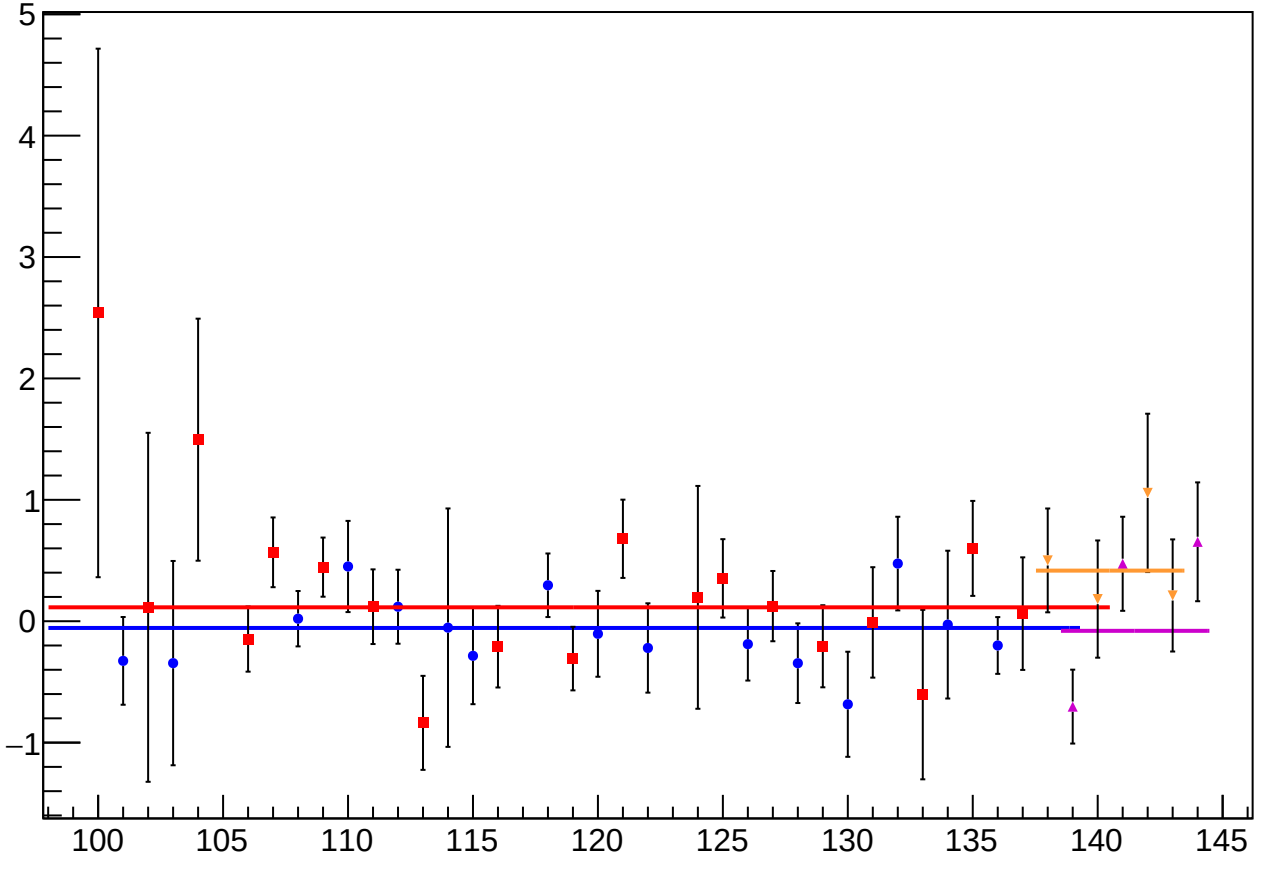
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 231.945+/-0.056 χ^2/NDF:1919297.2/18

Out: 224.309+/-0.056 χ^2/NDF:3096415.3/22

All: 228.095+/-0.040 χ^2/NDF: 5025033.1/41

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: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.215 χ^2/NDF:8.5/2

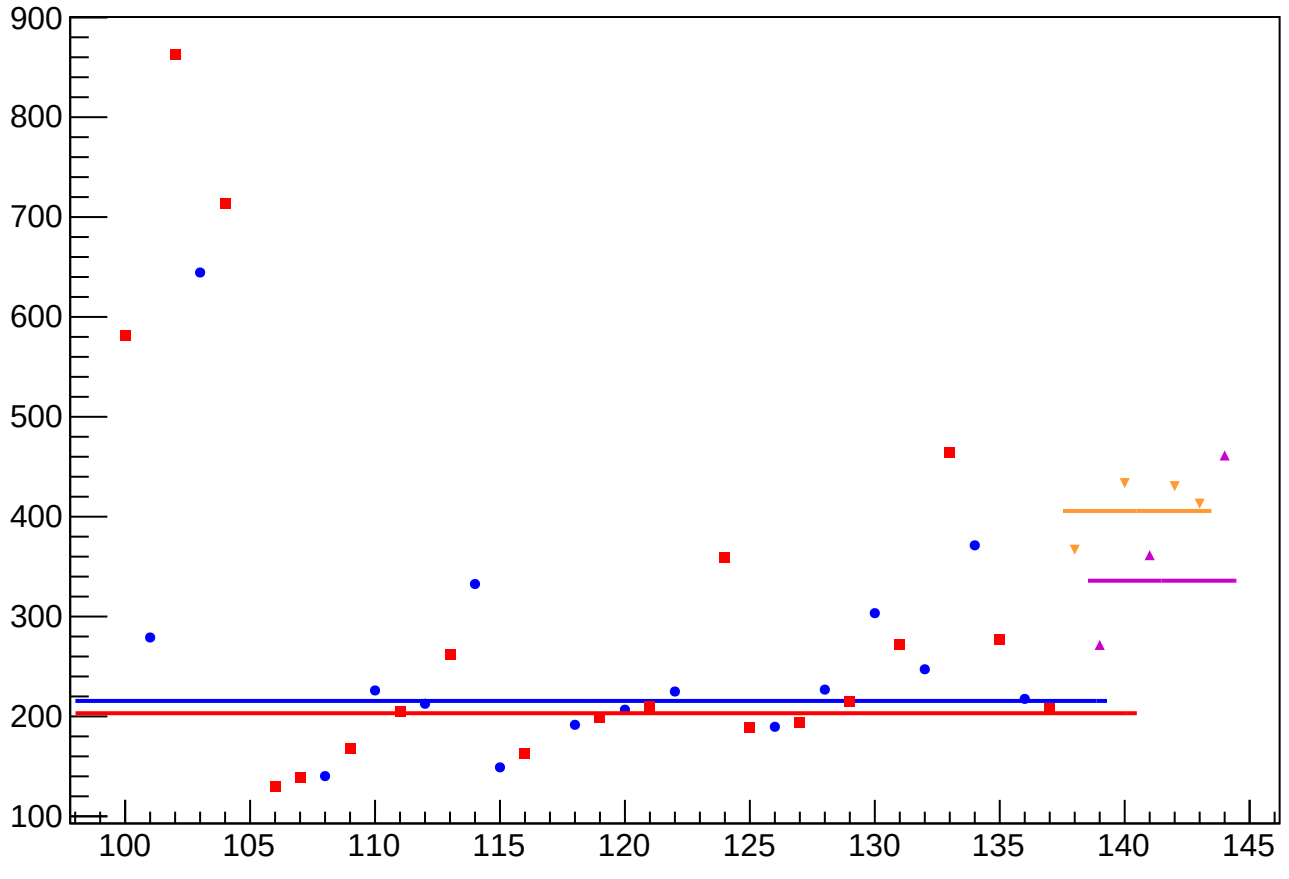
Left: 0.138+/-0.161 χ^2/NDF: 12.2/6

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.059+/-0.079 χ^2/NDF:19.2/18

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.044+/-0.056 χ^2/NDF: 50.5/41



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.887+/-0.152 χ^2/NDF:229262.3/2

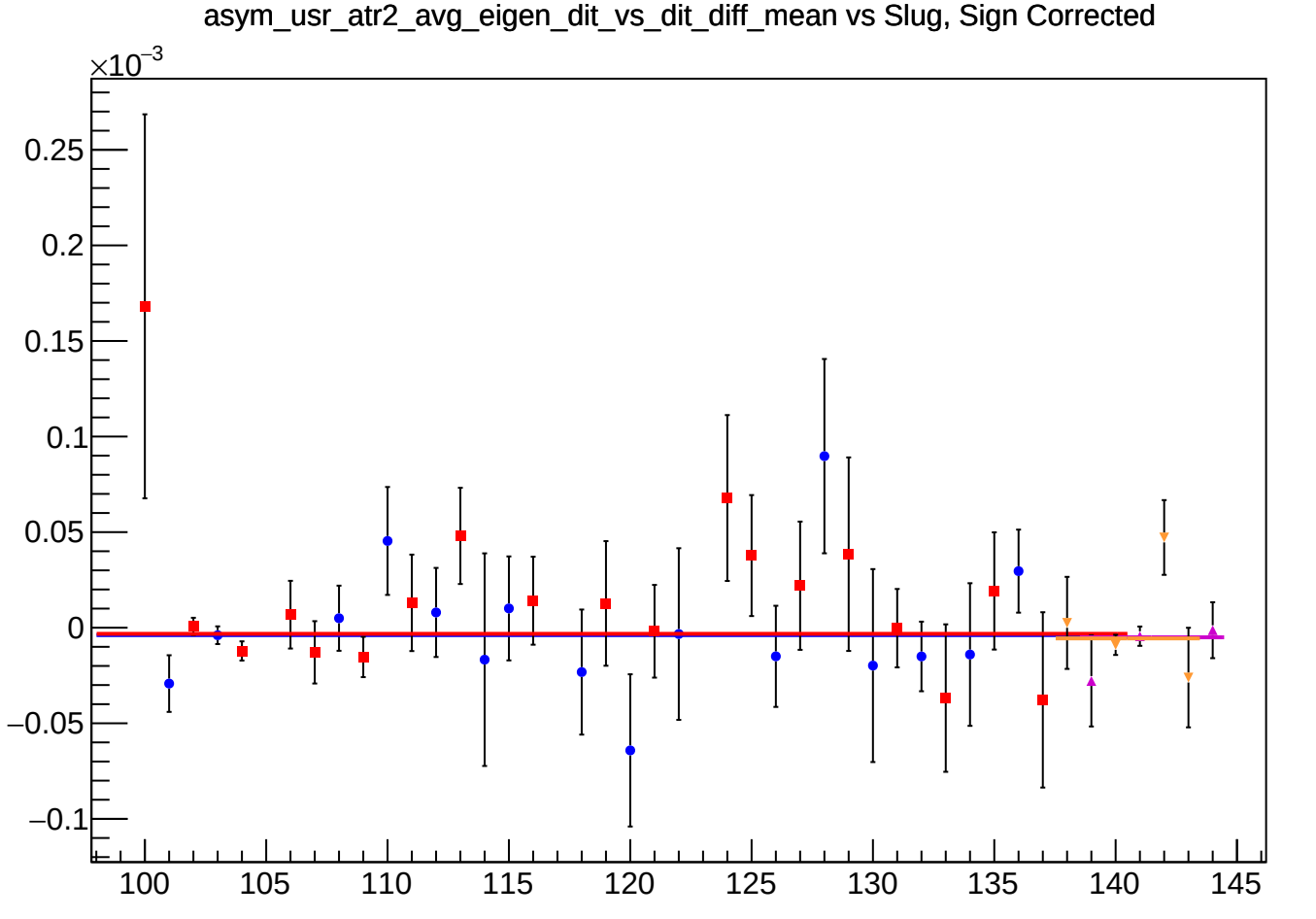
Left: 366.415+/-0.114 χ^2/NDF: 348076.6/6

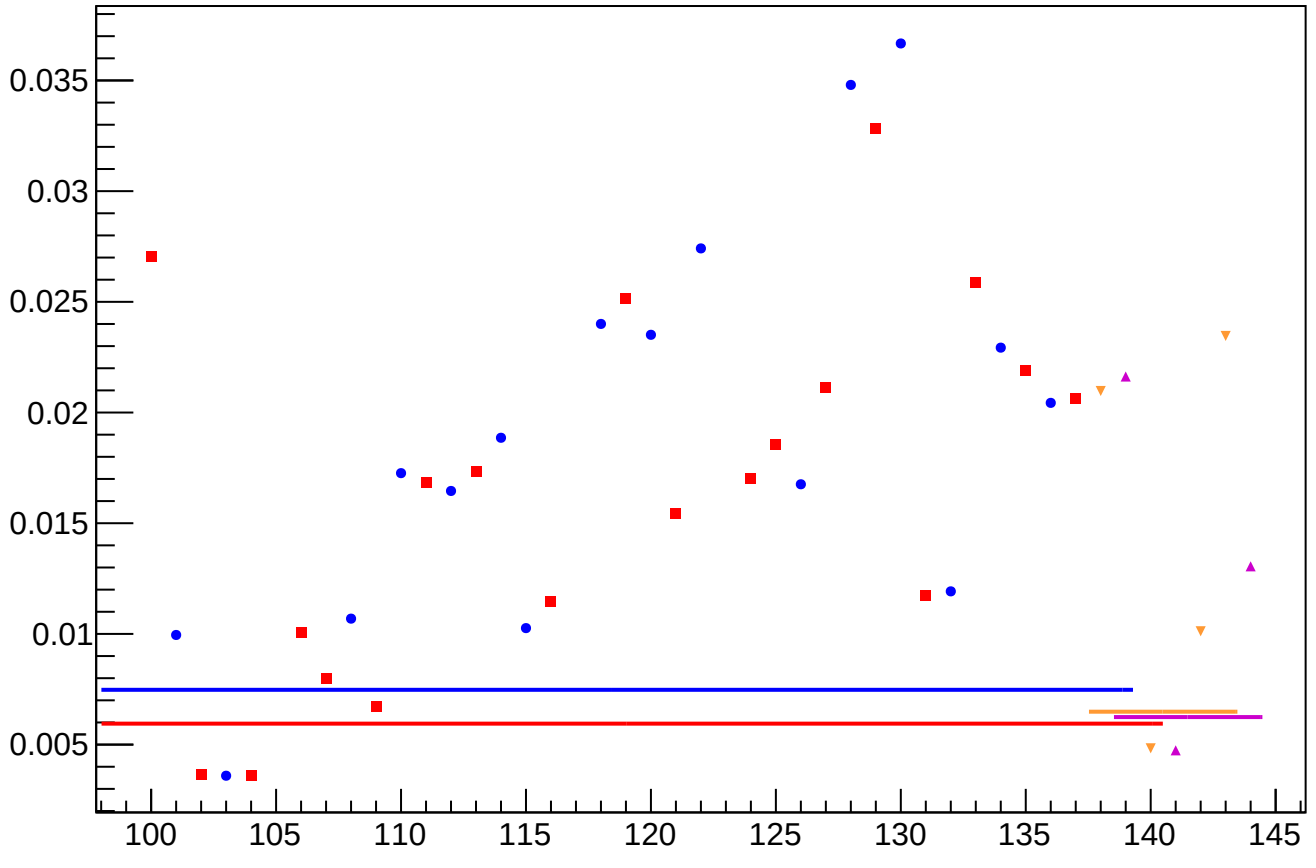
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 231.945+/-0.056 χ^2/NDF:1919297.2/18

Out: 224.309+/-0.056 χ^2/NDF:3096415.3/22

All: 228.095+/-0.040 χ^2/NDF: 5025033.1/41


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:1.0/2
Left: -0.000+/-0.000 χ²/NDF: 9.4/6
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:17.0/18
Out: -0.000+/-0.000 χ²/NDF:30.3/22
All: -0.000+/-0.000 χ²/NDF: 47.3/41



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.006+/-0.000 χ^2/NDF:1839468.8/3

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.006+/-0.000 χ^2/NDF:1445875.9/2

Left: 0.006+/-0.000 χ^2/NDF: 3287917.8/6

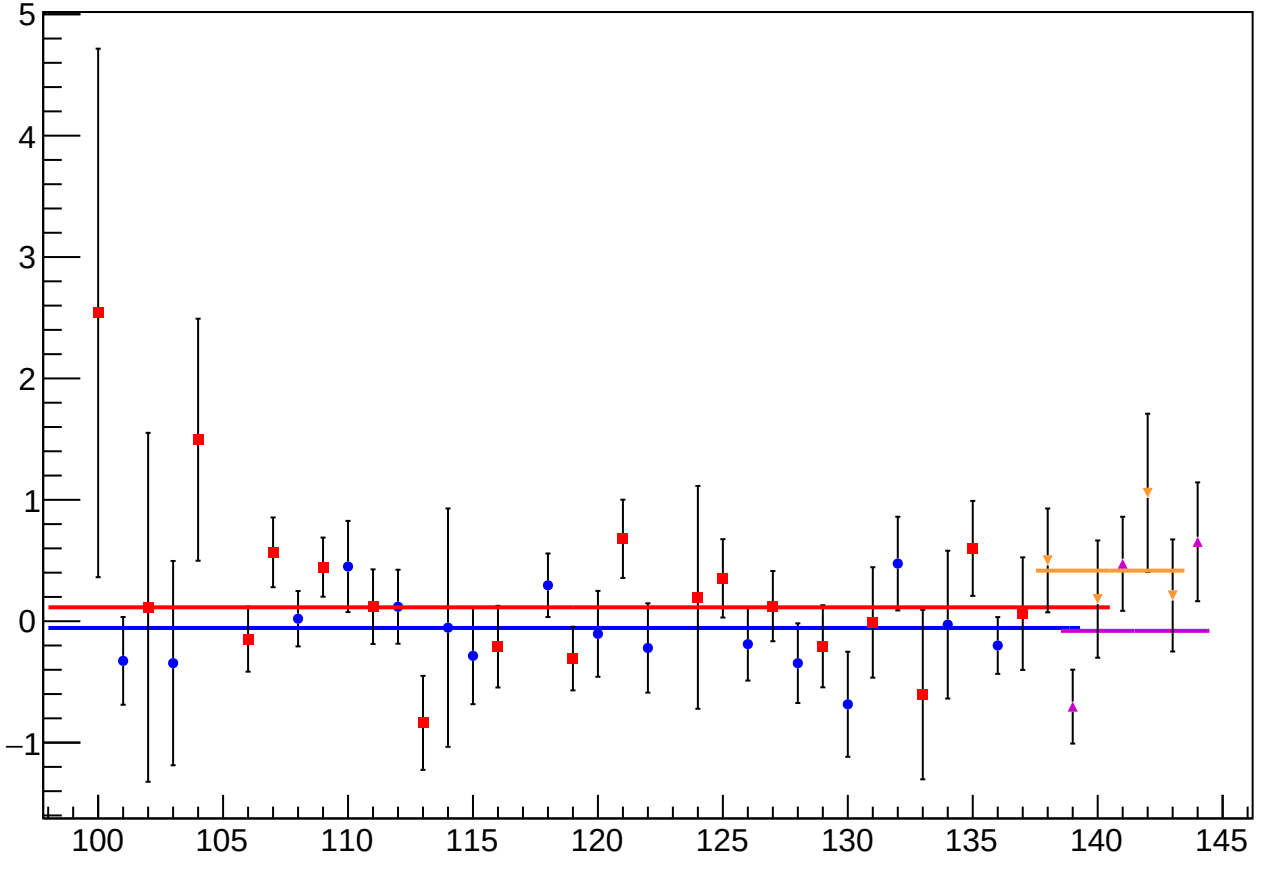
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:7605776.4/18

Out: 0.006+/-0.000 χ^2/NDF:7791493.1/22

All: 0.006+/-0.000 χ^2/NDF: 15506206.3/41

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: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.215 χ^2/NDF:8.5/2

Left: 0.138+/-0.161 χ^2/NDF: 12.2/6

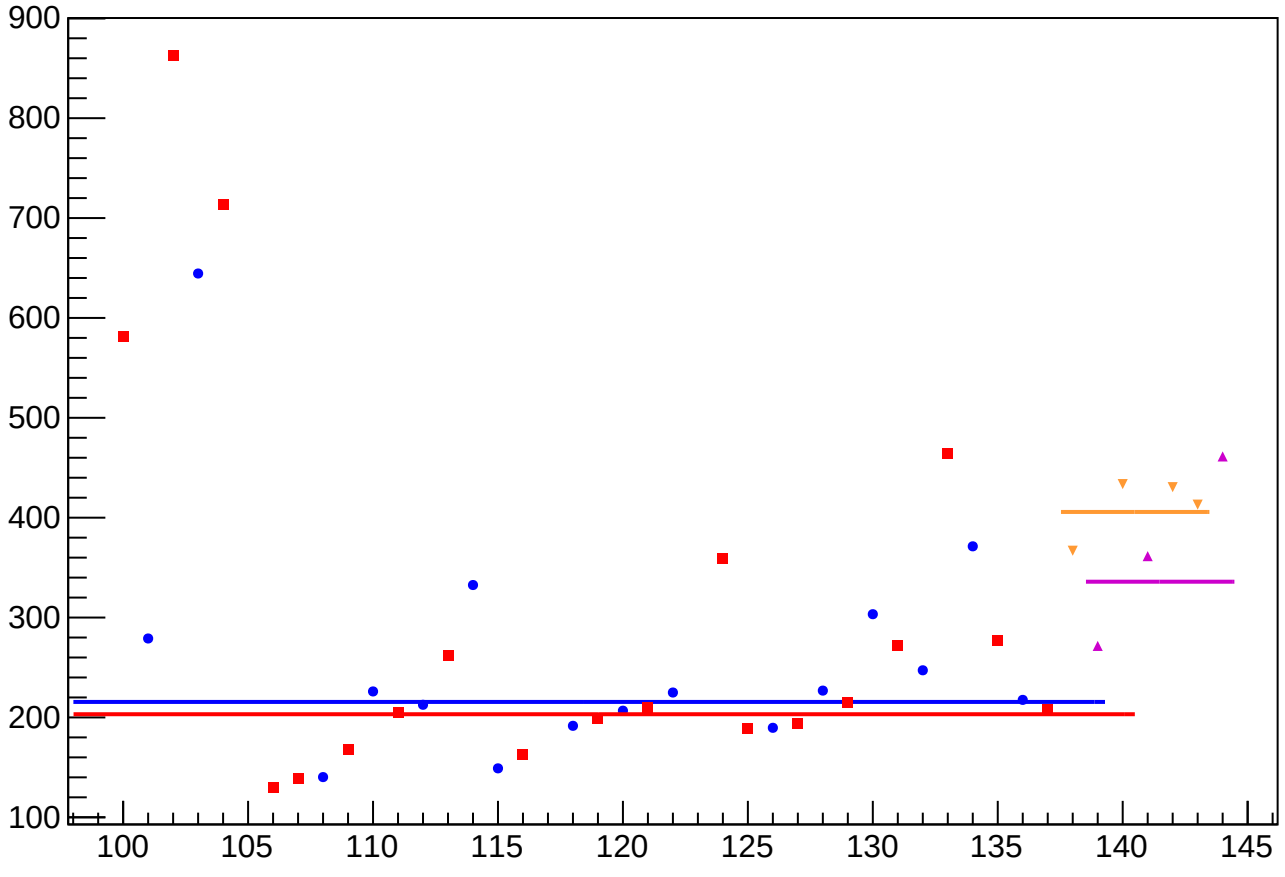
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.059+/-0.079 χ^2/NDF:19.2/18

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.044+/-0.056 χ^2/NDF: 50.5/41

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.891+/-0.152 χ^2/NDF:229253.5/2

Left: 366.420+/-0.114 χ^2/NDF: 348063.9/6

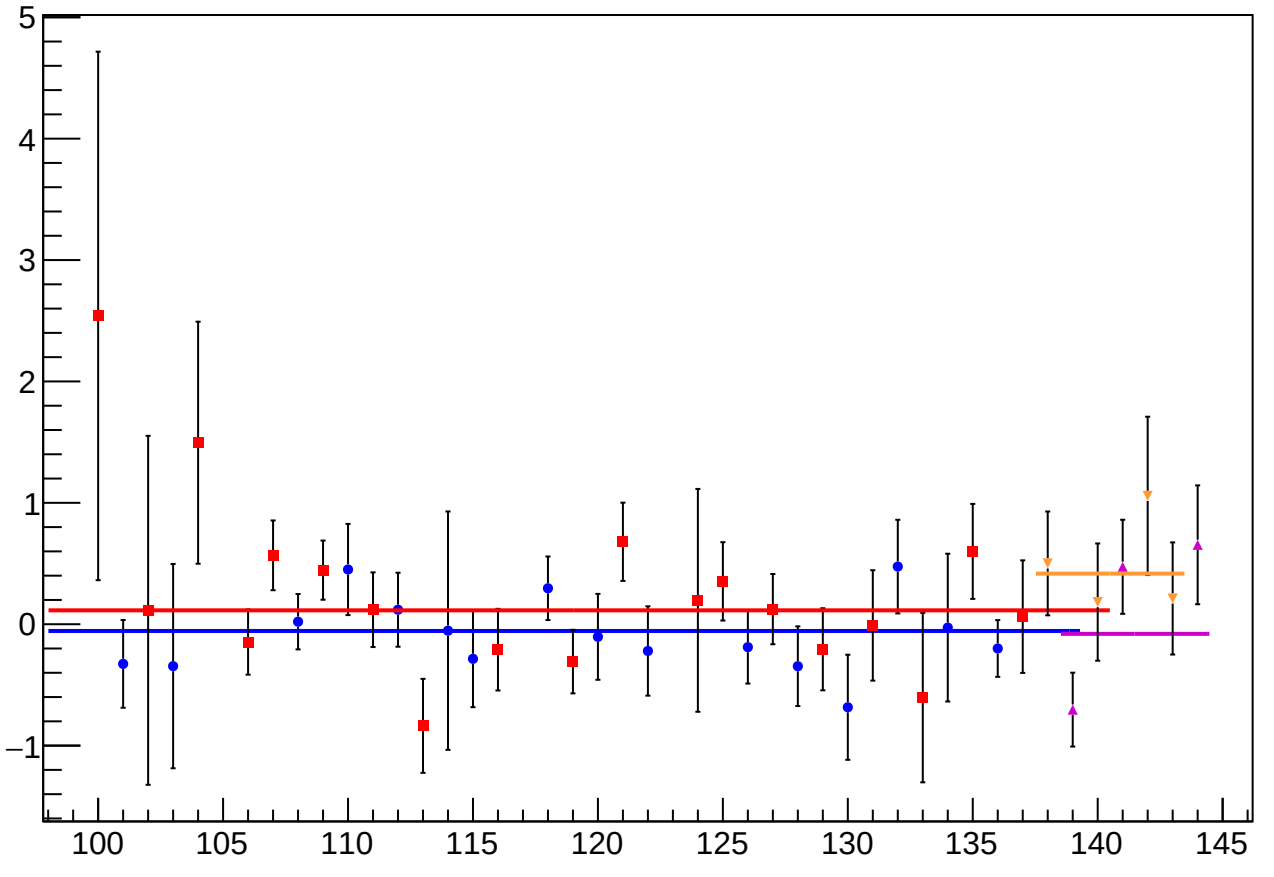
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 231.944+/-0.056 χ^2/NDF:1919299.9/18

Out: 224.307+/-0.056 χ^2/NDF:3096447.4/22

All: 228.094+/-0.040 χ^2/NDF: 5025069.2/41

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: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.215 χ^2/NDF:8.5/2

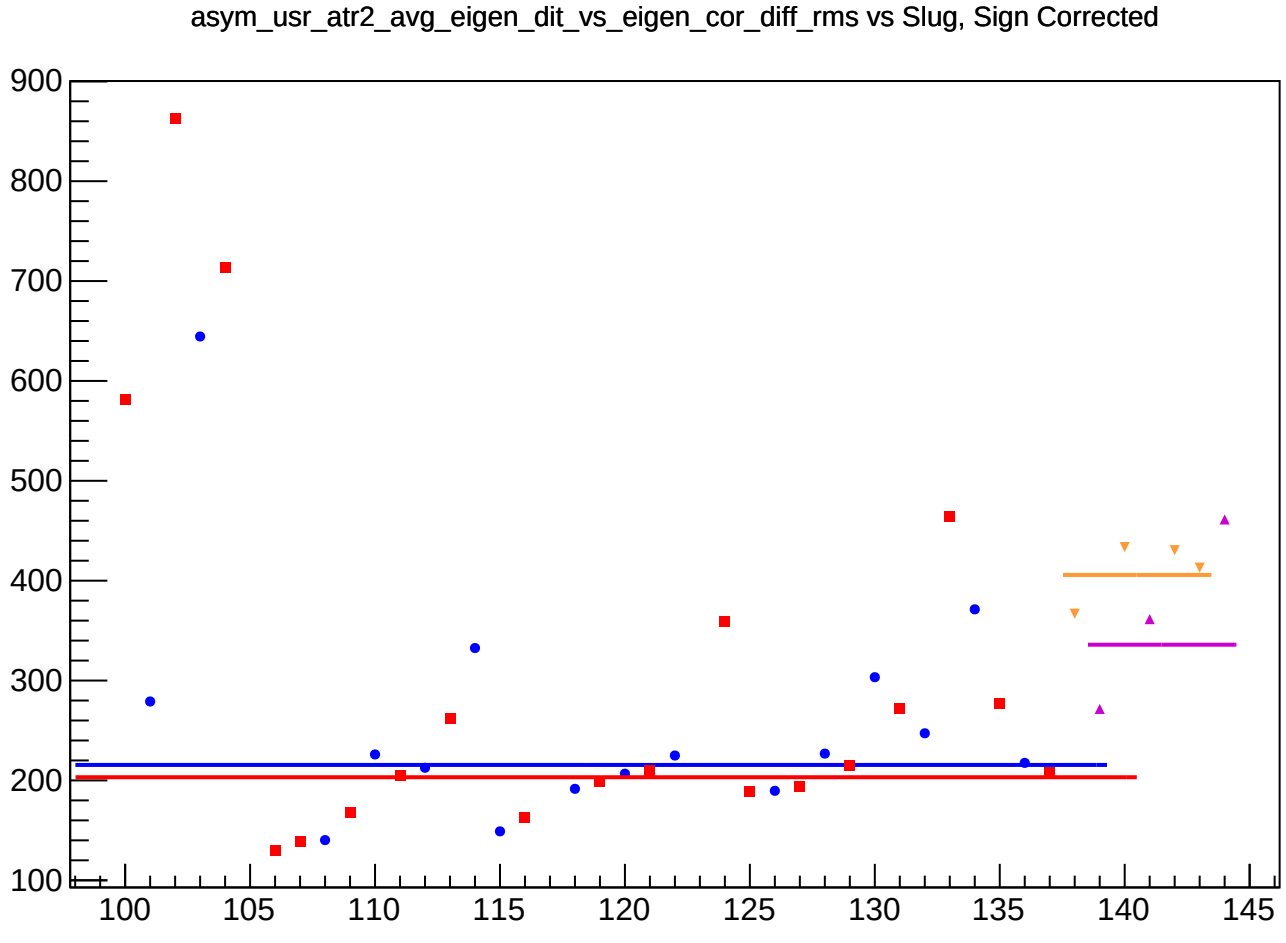
Left: 0.138+/-0.161 χ^2/NDF: 12.2/6

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.059+/-0.079 χ^2/NDF:19.2/18

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.044+/-0.056 χ^2/NDF: 50.5/41



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.891+/-0.152 χ^2/NDF:229253.5/2

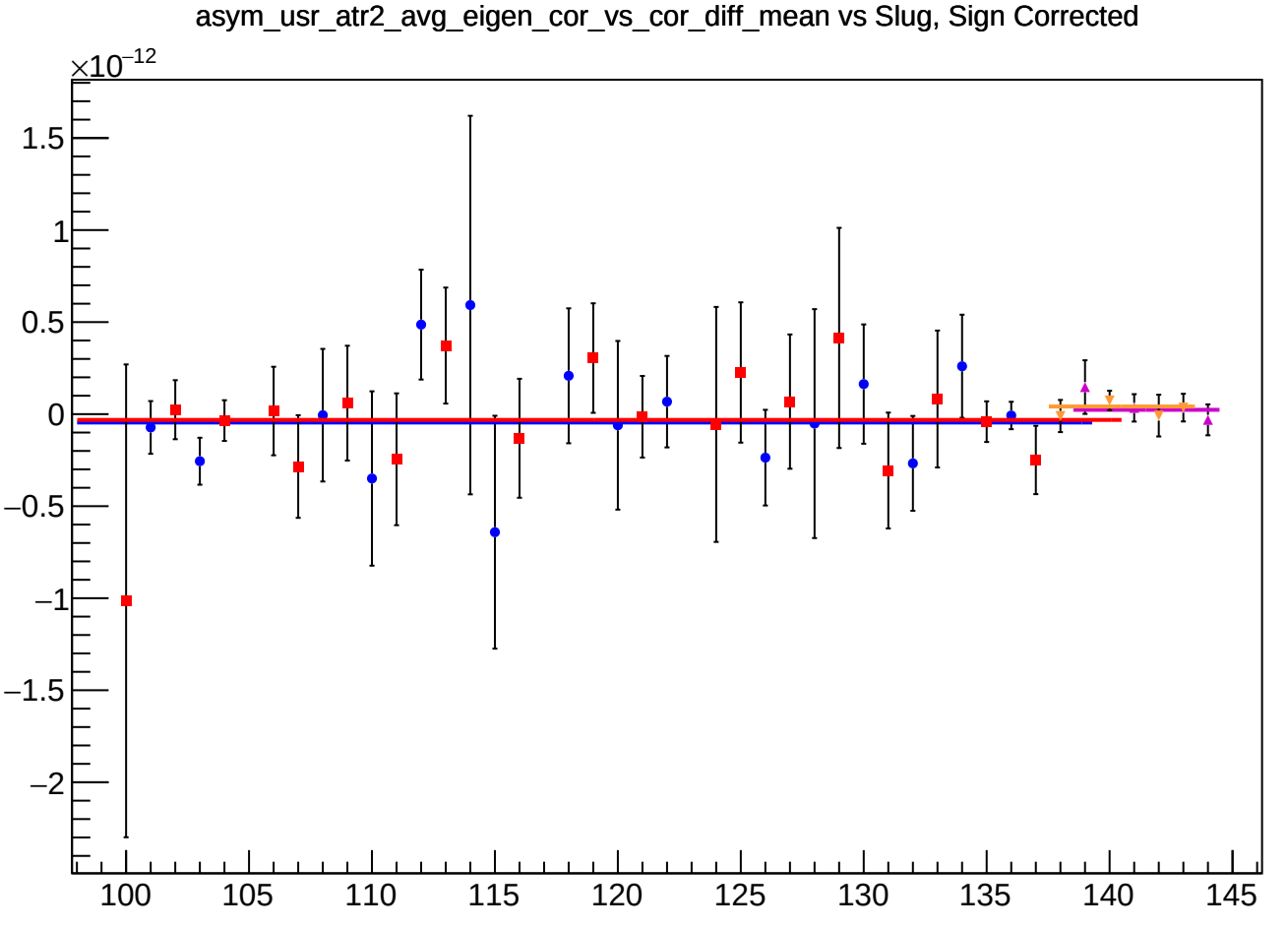
Left: 366.420+/-0.114 χ^2/NDF: 348063.9/6

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 231.944+/-0.056 χ^2/NDF:1919299.9/18

Out: 224.307+/-0.056 χ^2/NDF:3096447.4/22

All: 228.094+/-0.040 χ^2/NDF: 5025069.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/2

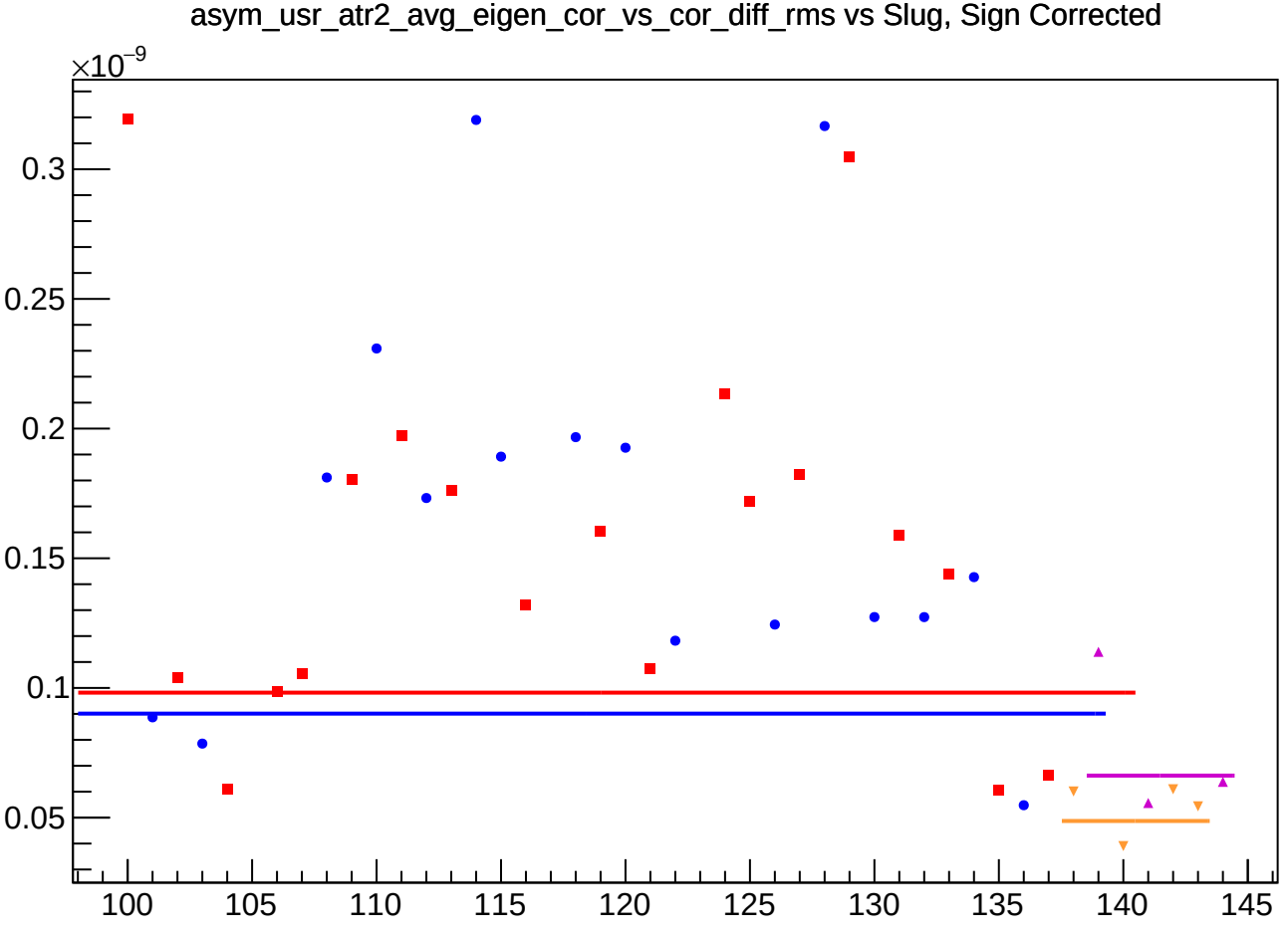
Left: 0.000+/-0.000 χ^2/NDF: 2.2/6

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:13.5/18

Out: 0.000+/-0.000 χ^2/NDF:10.6/22

All: 0.000+/-0.000 χ^2/NDF: 24.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:135017.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:256560.0/2

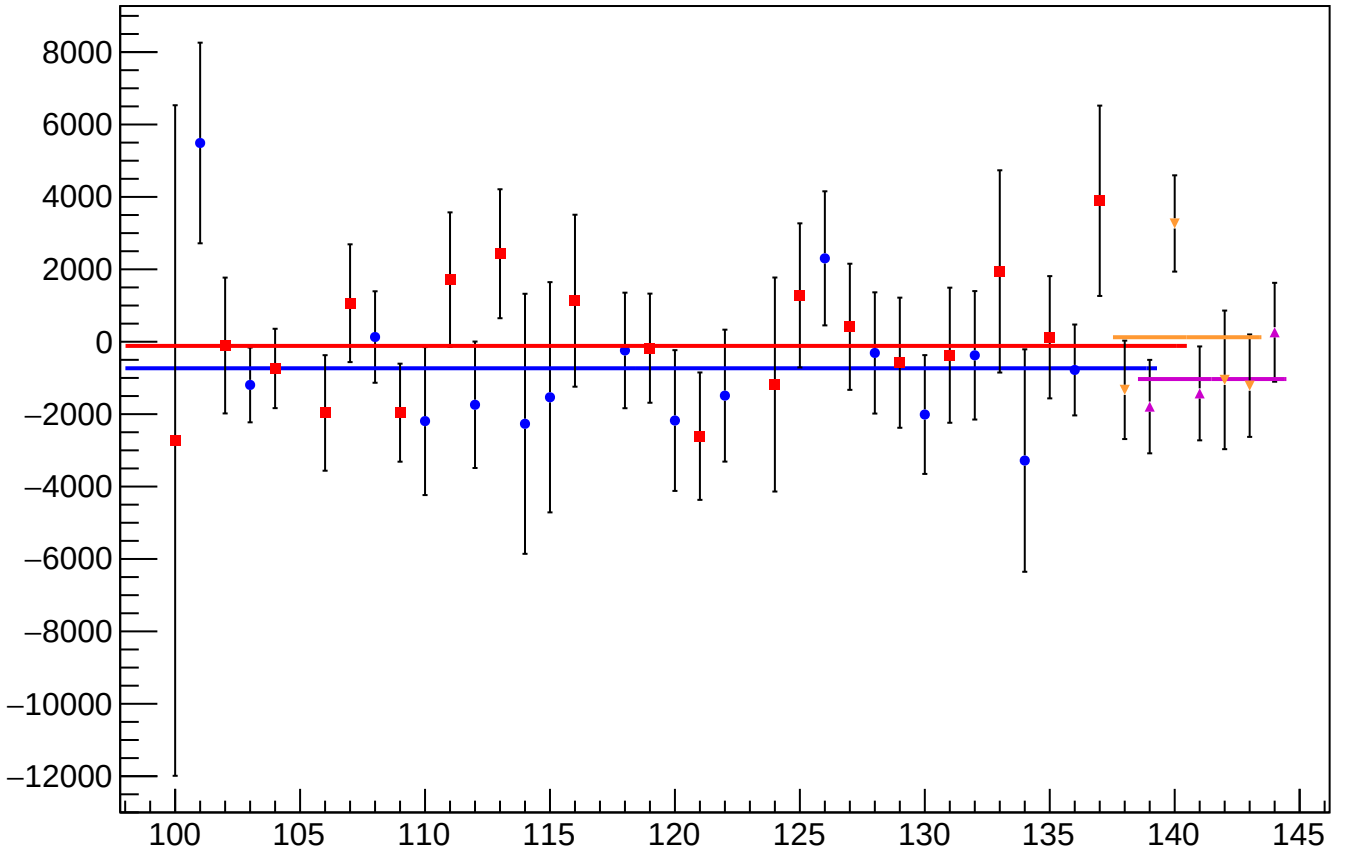
Left: 0.000+/-0.000 χ^2/NDF: 542564.5/6

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2283985.9/18

Out: 0.000+/-0.000 χ^2/NDF:3035232.3/22

All: 0.000+/-0.000 χ^2/NDF: 5484434.2/41



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 124.582+/-729.542 χ^2/NDF:8.0/3

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -1030.384+/-760.041 χ^2/NDF:1.3/2

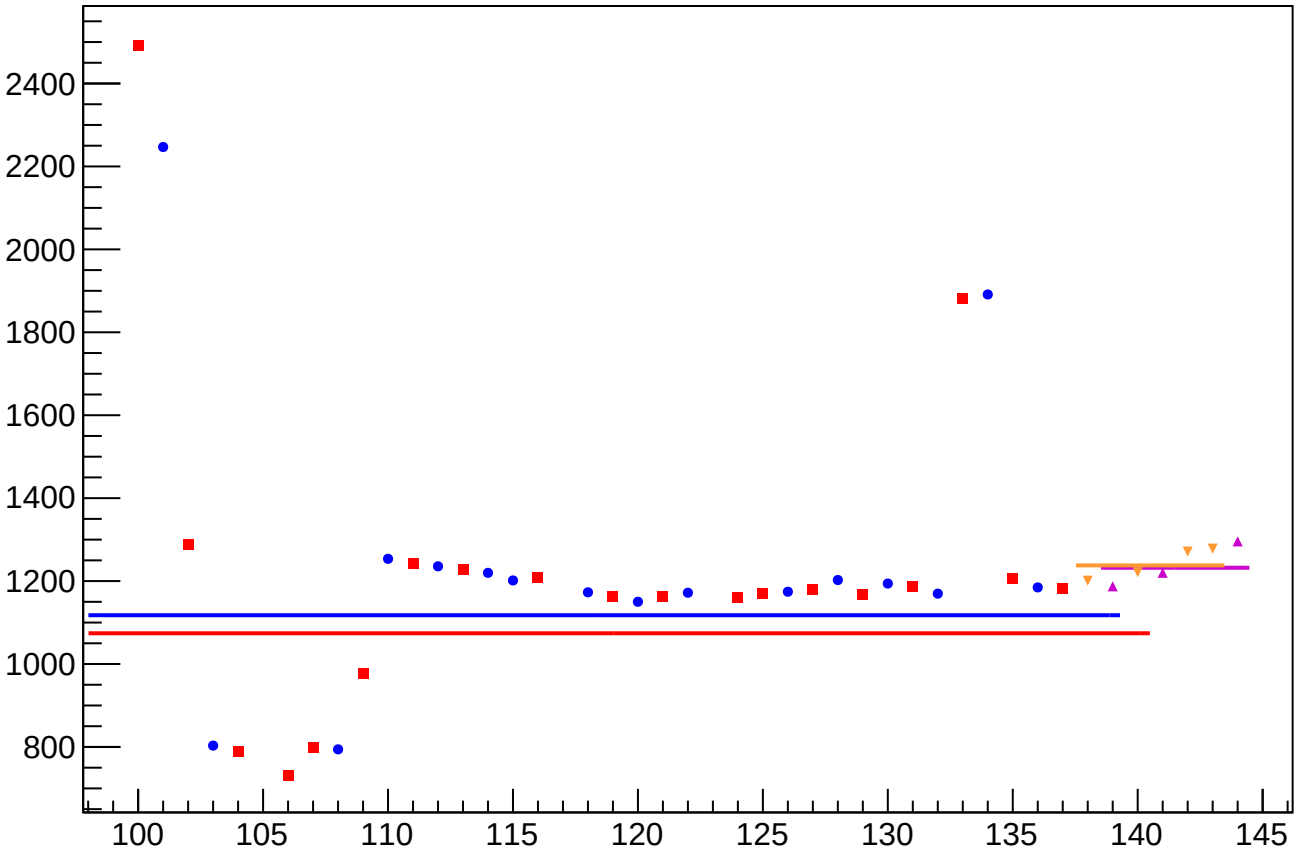
Left: -429.263+/-526.316 χ^2/NDF: 10.5/6

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -804.251+/-372.527 χ^2/NDF:13.2/18

Out: -57.218+/-358.374 χ^2/NDF:21.2/22

All: -416.274+/-258.267 χ^2/NDF: 36.4/41



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1232.213+/-0.537 χ^2/NDF:6911.6/2

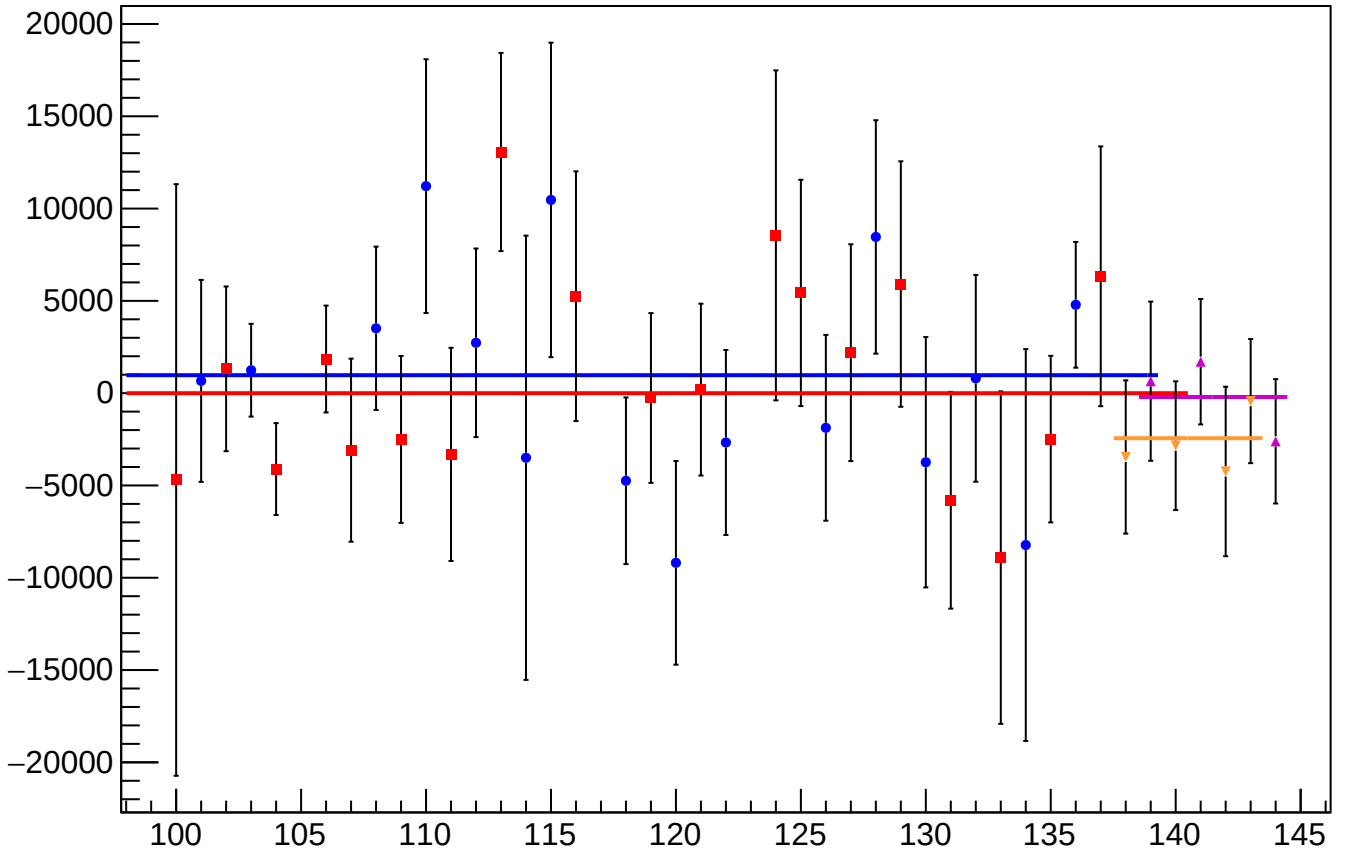
Left: 1235.135+/-0.372 χ^2/NDF: 10988.9/6

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1145.198+/-0.263 χ^2/NDF:861250.4/18

Out: 1113.149+/-0.252 χ^2/NDF:730214.9/22

All: 1128.452+/-0.182 χ^2/NDF: 1599199.8/41



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2439.917+/-1902.631 χ^2/NDF:0.6/3

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -207.391+/-2091.776 χ^2/NDF:0.9/2

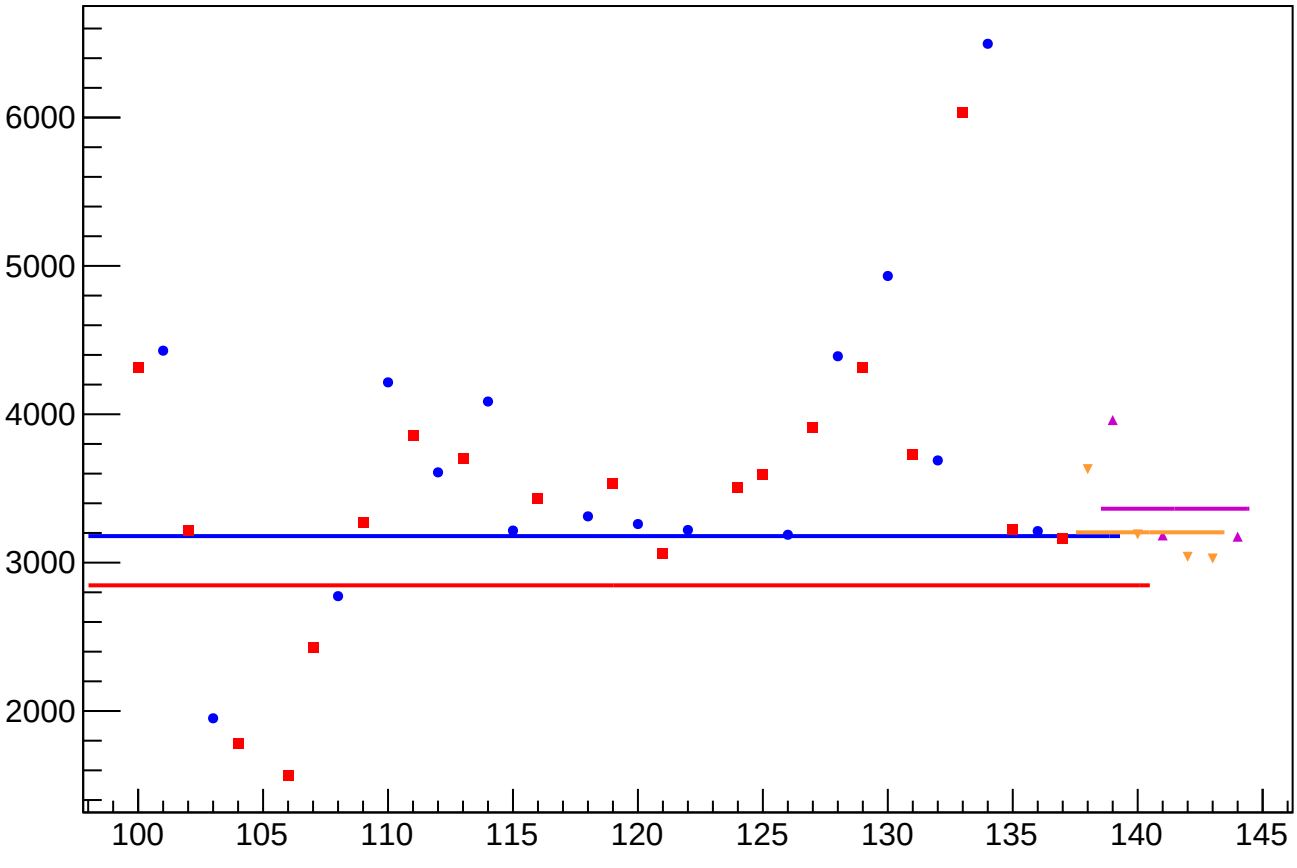
Left: -1429.133+/-1407.493 χ^2/NDF: 2.1/6

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 669.276+/-1062.042 χ^2/NDF:14.9/18

Out: -624.965+/-961.274 χ^2/NDF:18.4/22

All: -42.143+/-712.693 χ^2/NDF: 34.1/41



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3204.412+/-1.345 χ^2/NDF:29171.5/3

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3363.432+/-1.479 χ^2/NDF:50284.7/2

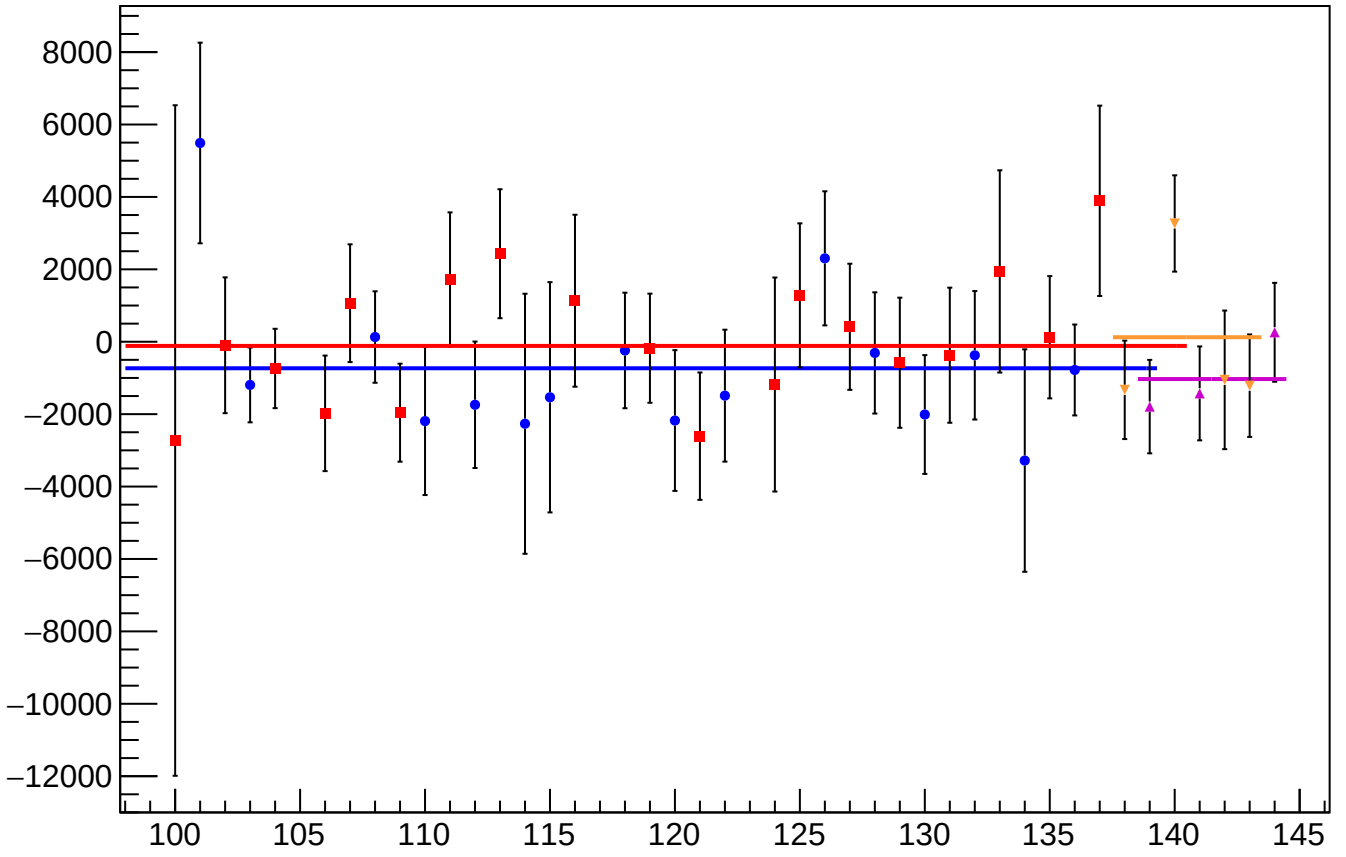
Left: 3276.409+/-0.995 χ^2/NDF: 85781.5/6

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3226.447+/-0.751 χ^2/NDF:1153517.8/18

Out: 2938.245+/-0.680 χ^2/NDF:1592888.7/22

All: 3068.028+/-0.504 χ^2/NDF: 2827362.5/41



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 124.667+/-729.542 χ^2/NDF:8.0/3

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -1030.476+/-760.041 χ^2/NDF:1.3/2

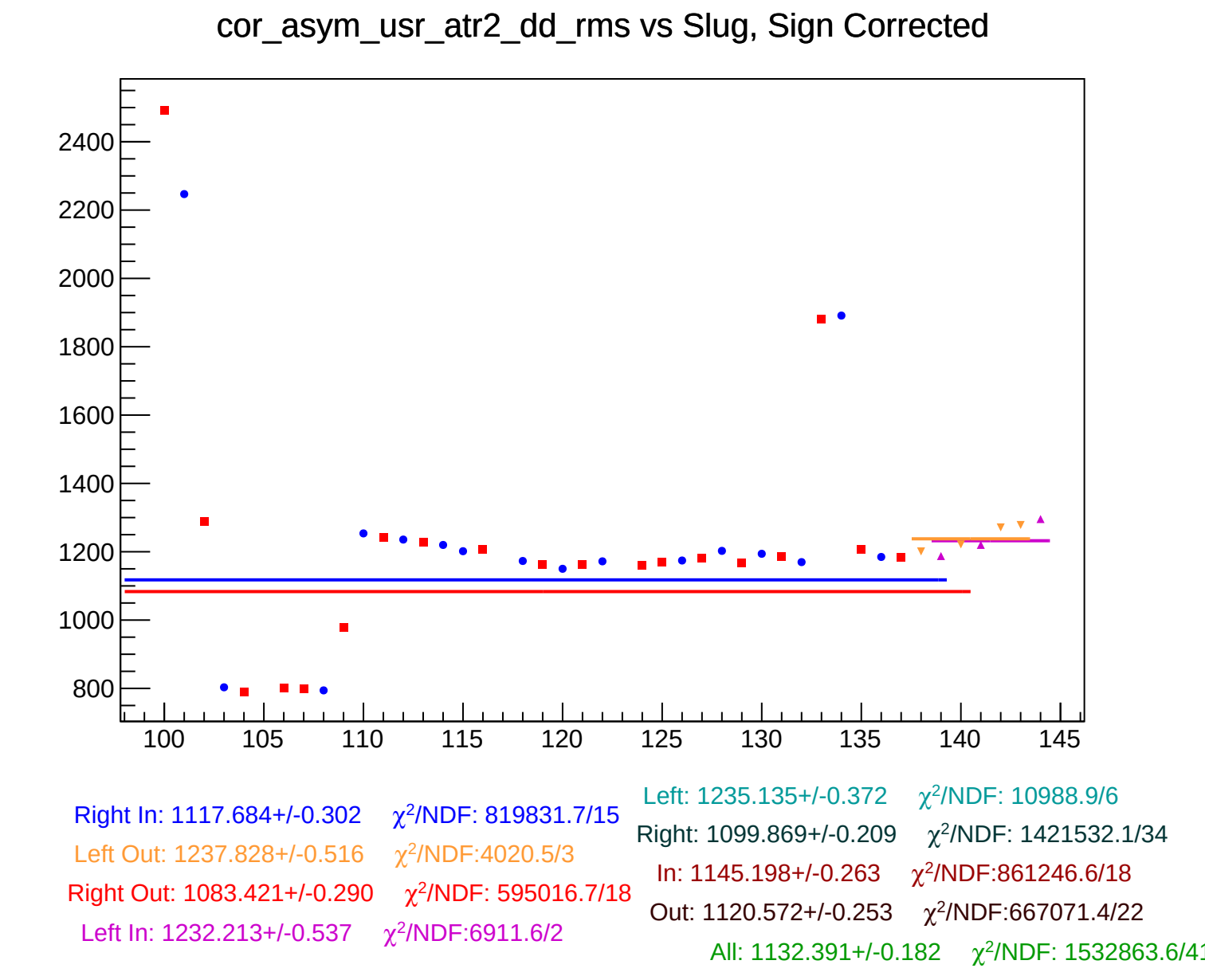
Left: -429.263+/-526.316 χ^2/NDF: 10.5/6

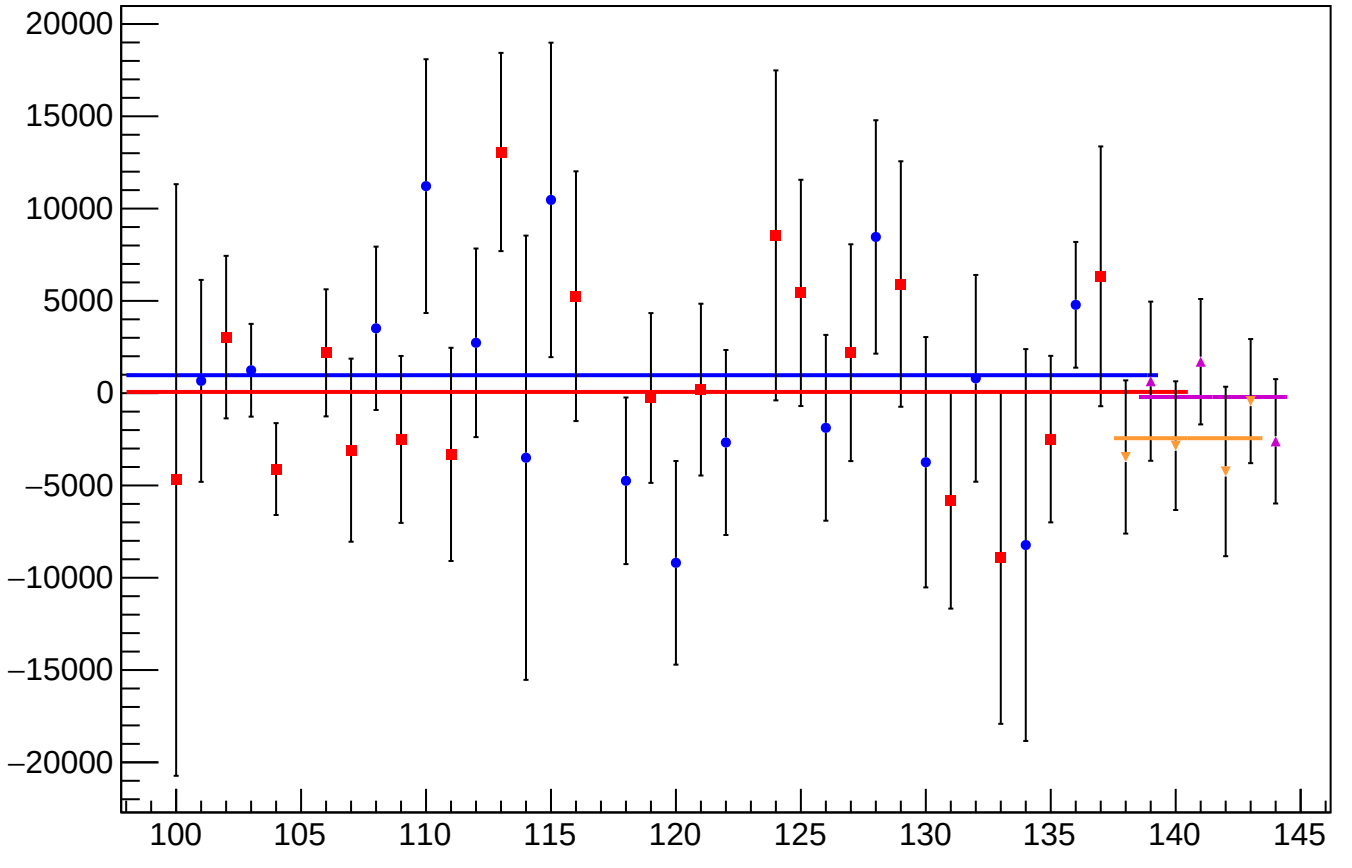
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -804.223+/-372.527 χ^2/NDF:13.2/18

Out: -57.399+/-358.377 χ^2/NDF:21.2/22

All: -416.358+/-258.268 χ^2/NDF: 36.5/41


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
145
Right In: 1117.684+/-0.302 χ²/NDF: 819831.7/15
Left Out: 1237.828+/-0.516 χ²/NDF:4020.5/3
Right Out: 1083.421+/-0.290 χ²/NDF: 595016.7/18
Left In: 1232.213+/-0.537 χ²/NDF:6911.6/2
Left: 1235.135+/-0.372 χ²/NDF: 10988.9/6
Right: 1099.869+/-0.209 χ²/NDF: 1421532.1/34
In: 1145.198+/-0.263 χ²/NDF:861246.6/18
Out: 1120.572+/-0.253 χ²/NDF:667071.4/22
All: 1132.391+/-0.182 χ²/NDF: 1532863.6/41



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -207.481+/-2091.773 χ^2/NDF:0.9/2

Left: -1429.108+/-1407.488 χ^2/NDF: 2.1/6

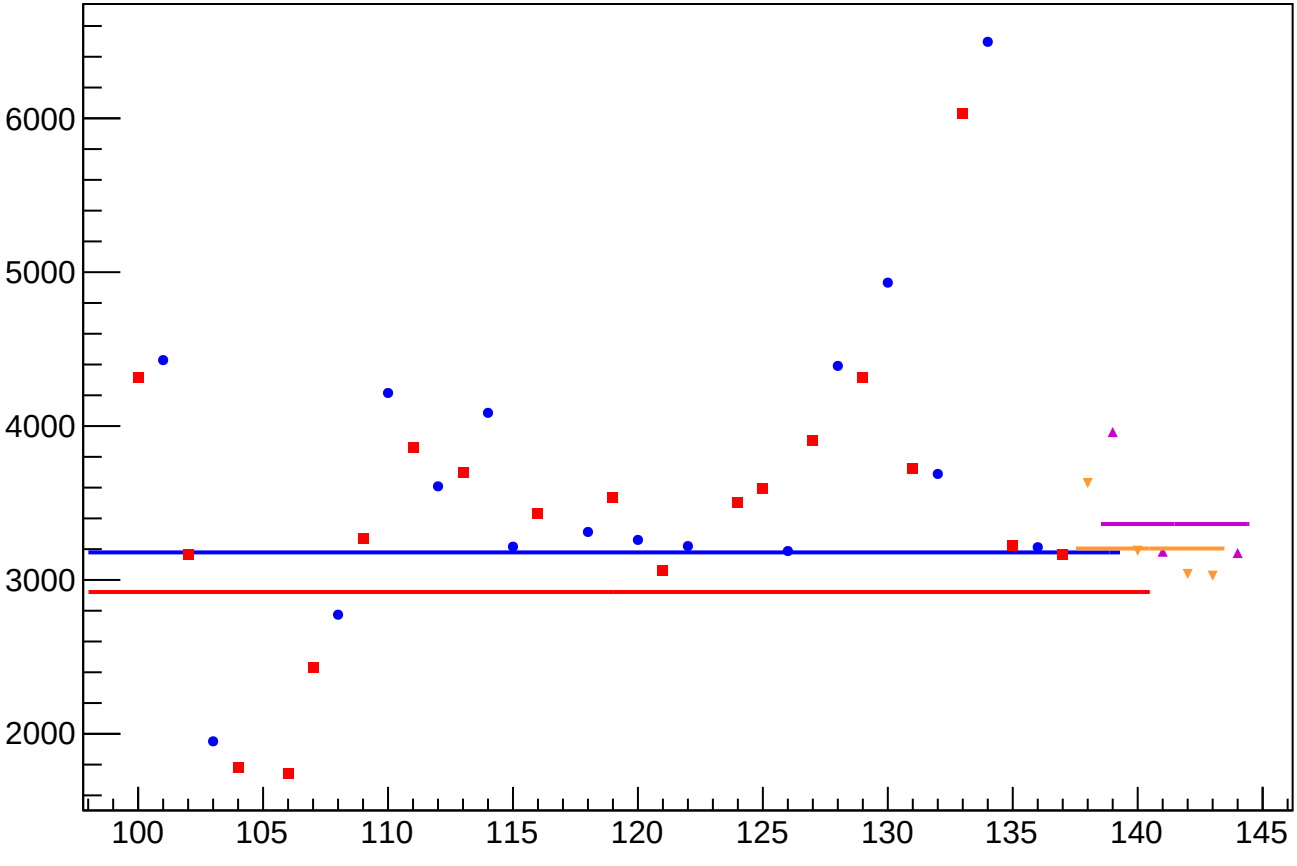
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 668.864+/-1062.074 χ^2/NDF:14.9/18

Out: -593.331+/-976.567 χ^2/NDF:18.8/22

All: -15.081+/-718.868 χ^2/NDF: 34.5/41

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3363.427+/-1.479 χ^2/NDF:50285.4/2

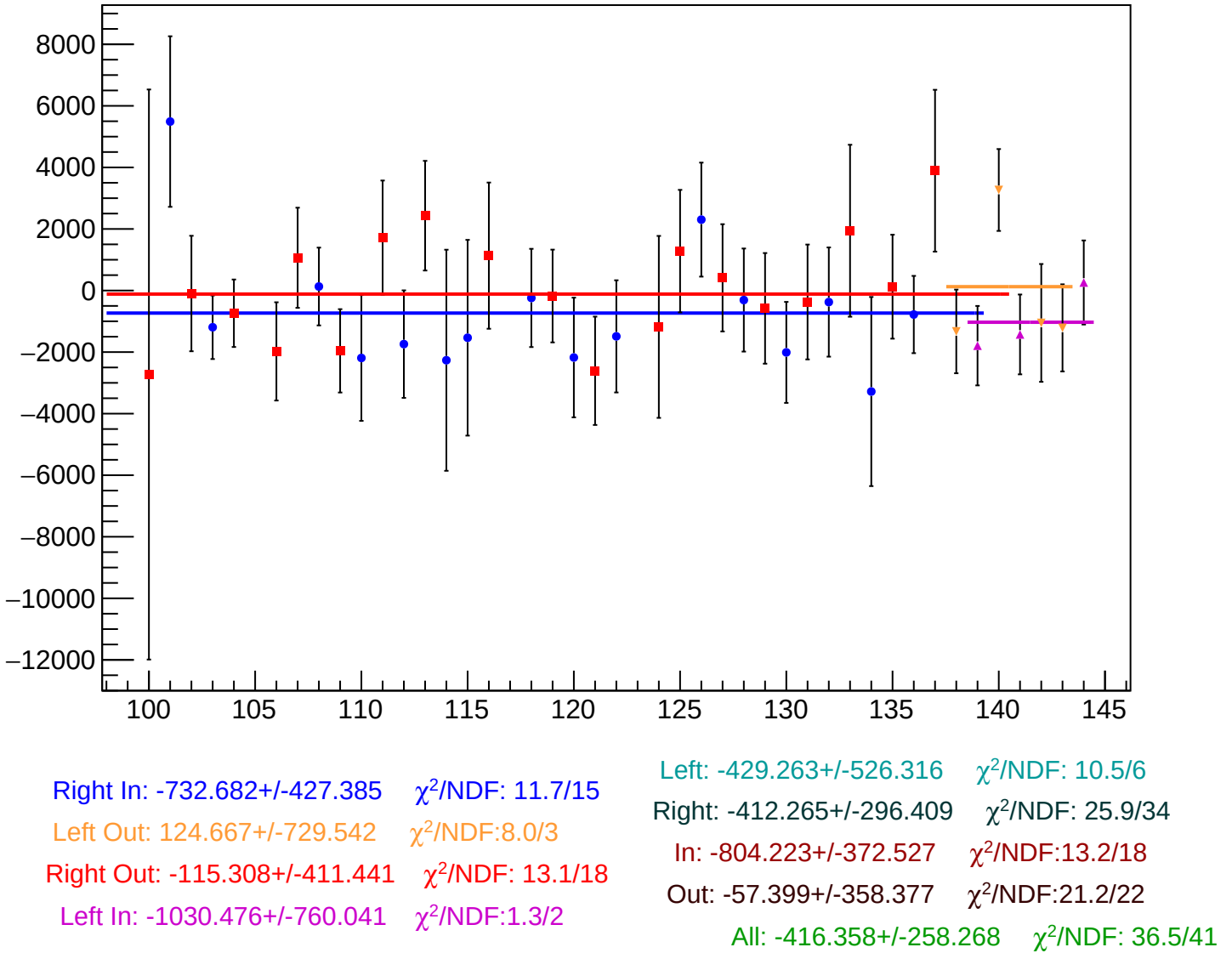
Left: 3276.399+/-0.995 χ^2/NDF: 85784.1/6

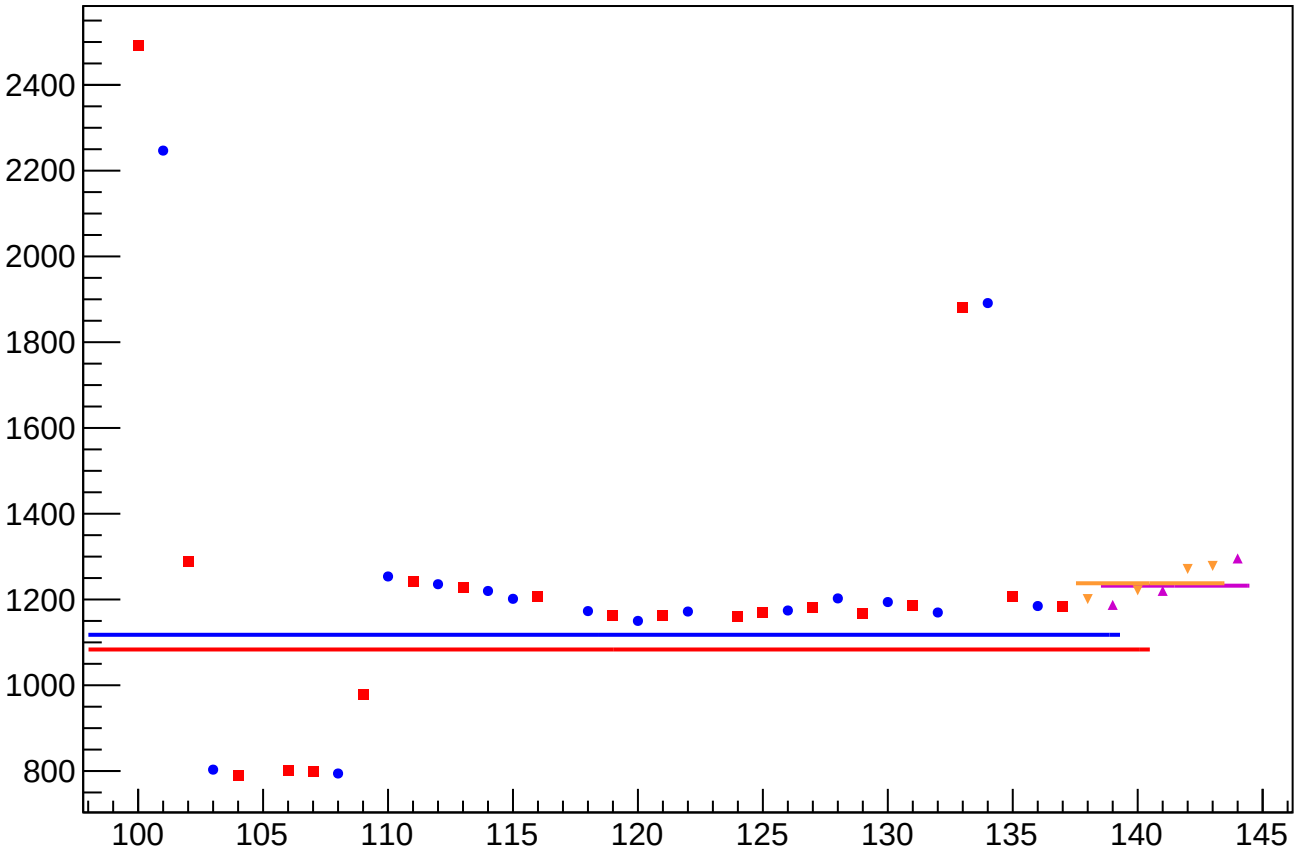
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3226.585+/-0.751 χ^2/NDF:1153054.2/18

Out: 2996.133+/-0.691 χ^2/NDF:1374597.9/22

All: 3101.710+/-0.508 χ^2/NDF: 2578676.2/41


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 124.667+/-729.542 χ²/NDF:8.0/3
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -1030.476+/-760.041 χ²/NDF:1.3/2
Left: -429.263+/-526.316 χ²/NDF: 10.5/6
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -804.223+/-372.527 χ²/NDF:13.2/18
Out: -57.399+/-358.377 χ²/NDF:21.2/22
All: -416.358+/-258.268 χ²/NDF: 36.5/41



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1232.213+/-0.537 χ^2/NDF:6911.6/2

Left: 1235.135+/-0.372 χ^2/NDF: 10988.9/6

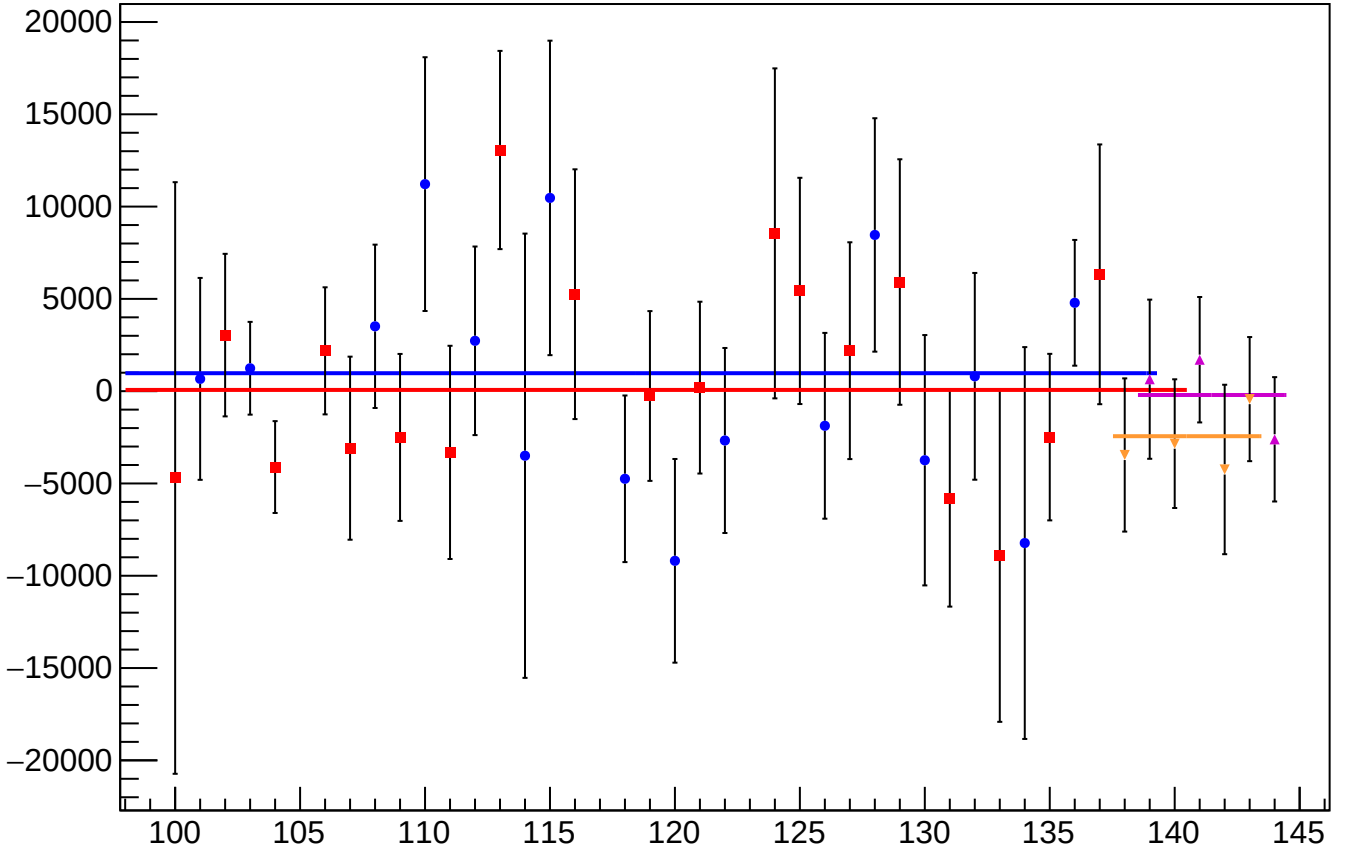
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1145.198+/-0.263 χ^2/NDF:861246.6/18

Out: 1120.572+/-0.253 χ^2/NDF:667071.4/22

All: 1132.391+/-0.182 χ^2/NDF: 1532863.6/41

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -207.481+/-2091.773 χ^2/NDF:0.9/2

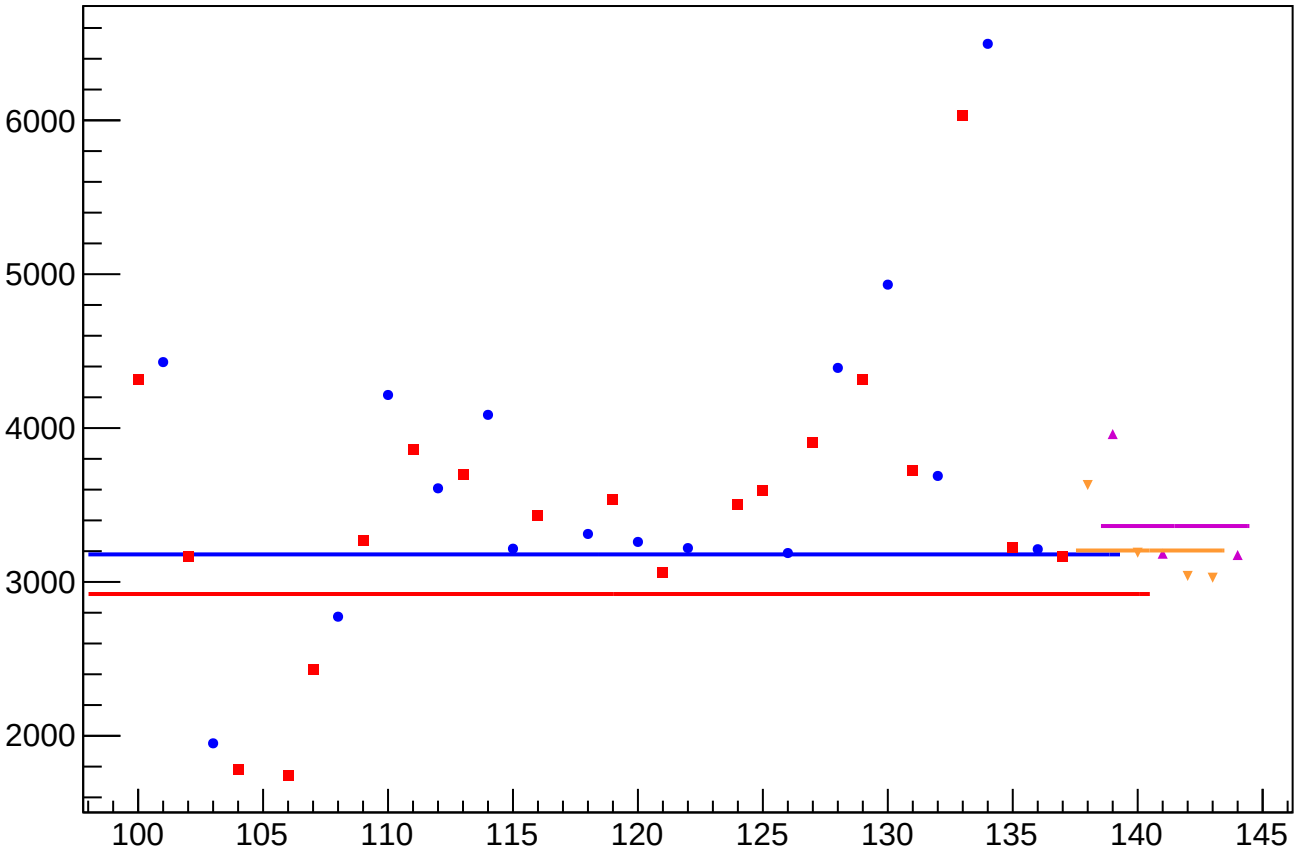
Left: -1429.108+/-1407.488 χ^2/NDF: 2.1/6

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 668.864+/-1062.074 χ^2/NDF:14.9/18

Out: -593.331+/-976.567 χ^2/NDF:18.8/22

All: -15.081+/-718.868 χ^2/NDF: 34.5/41



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3363.427+/-1.479 χ^2/NDF:50285.4/2

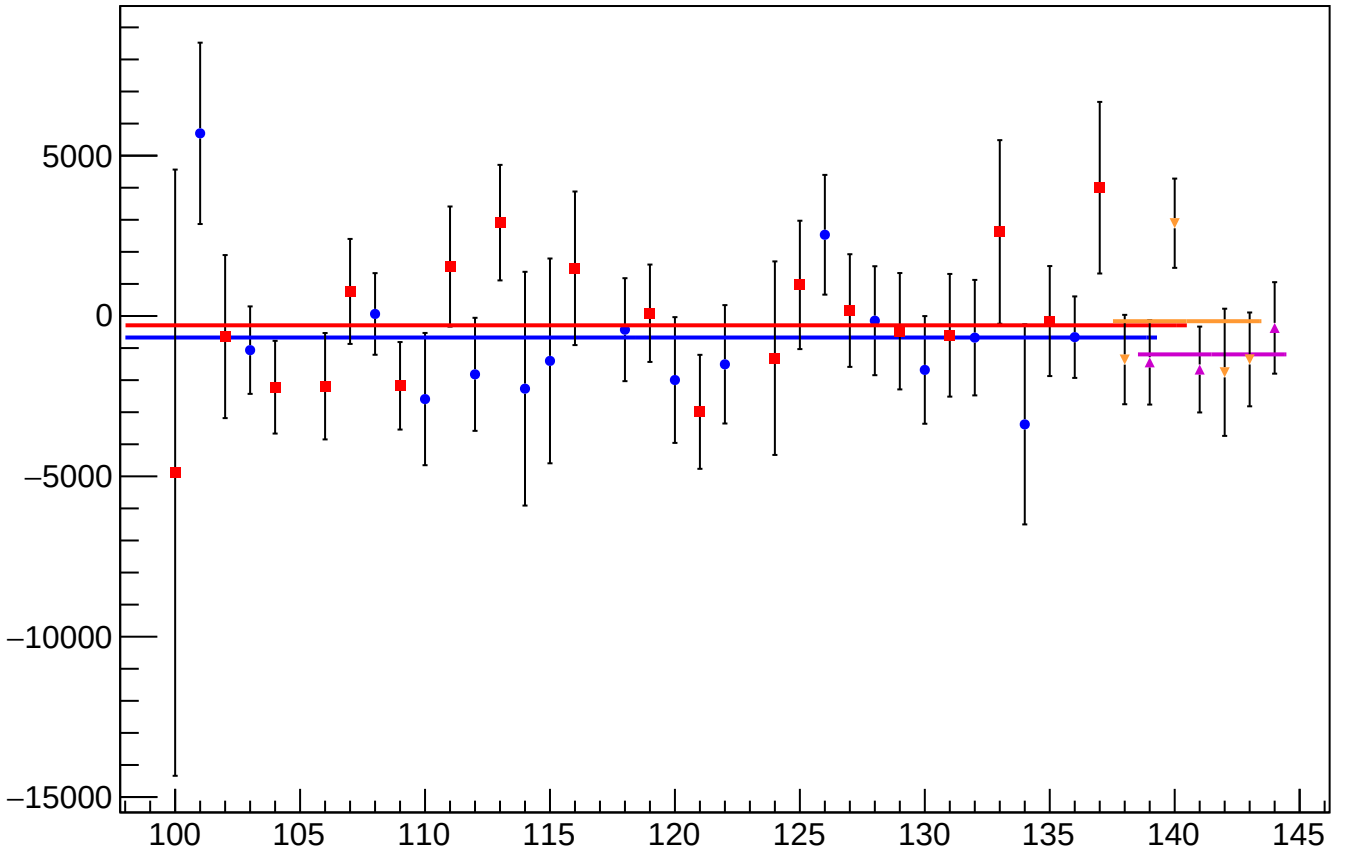
Left: 3276.399+/-0.995 χ^2/NDF: 85784.1/6

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3226.585+/-0.751 χ^2/NDF:1153054.2/18

Out: 2996.133+/-0.691 χ^2/NDF:1374597.9/22

All: 3101.710+/-0.508 χ^2/NDF: 2578676.2/41



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: -162.191+/-755.306 χ^2/NDF:6.9/3

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -1196.910+/-784.458 χ^2/NDF:0.5/2

Left: -659.967+/-544.096 χ^2/NDF: 8.3/6

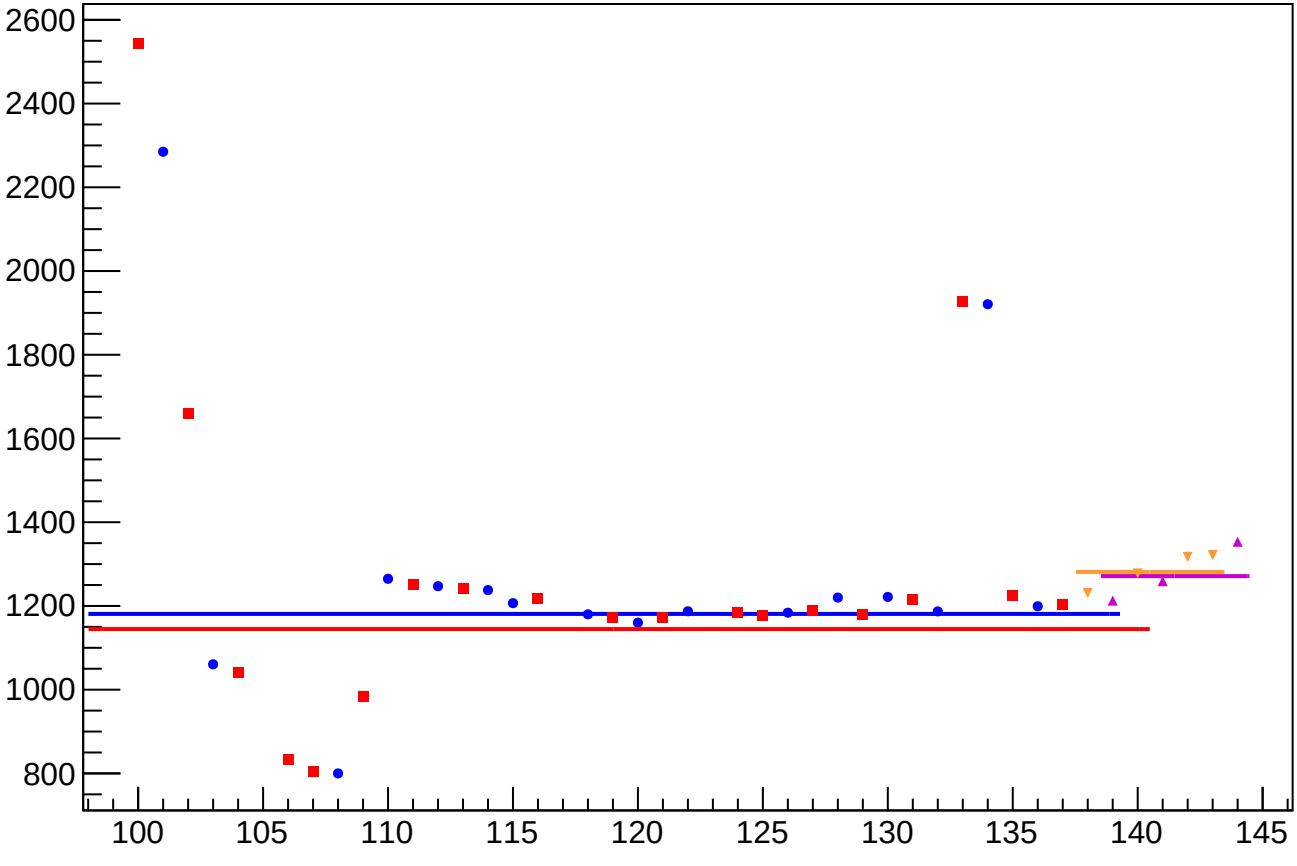
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -800.422+/-389.356 χ^2/NDF:12.7/18

Out: -258.463+/-376.579 χ^2/NDF:23.8/22

All: -520.404+/-270.686 χ^2/NDF: 37.5/41

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1271.261+/-0.555 χ^2/NDF:10735.4/2

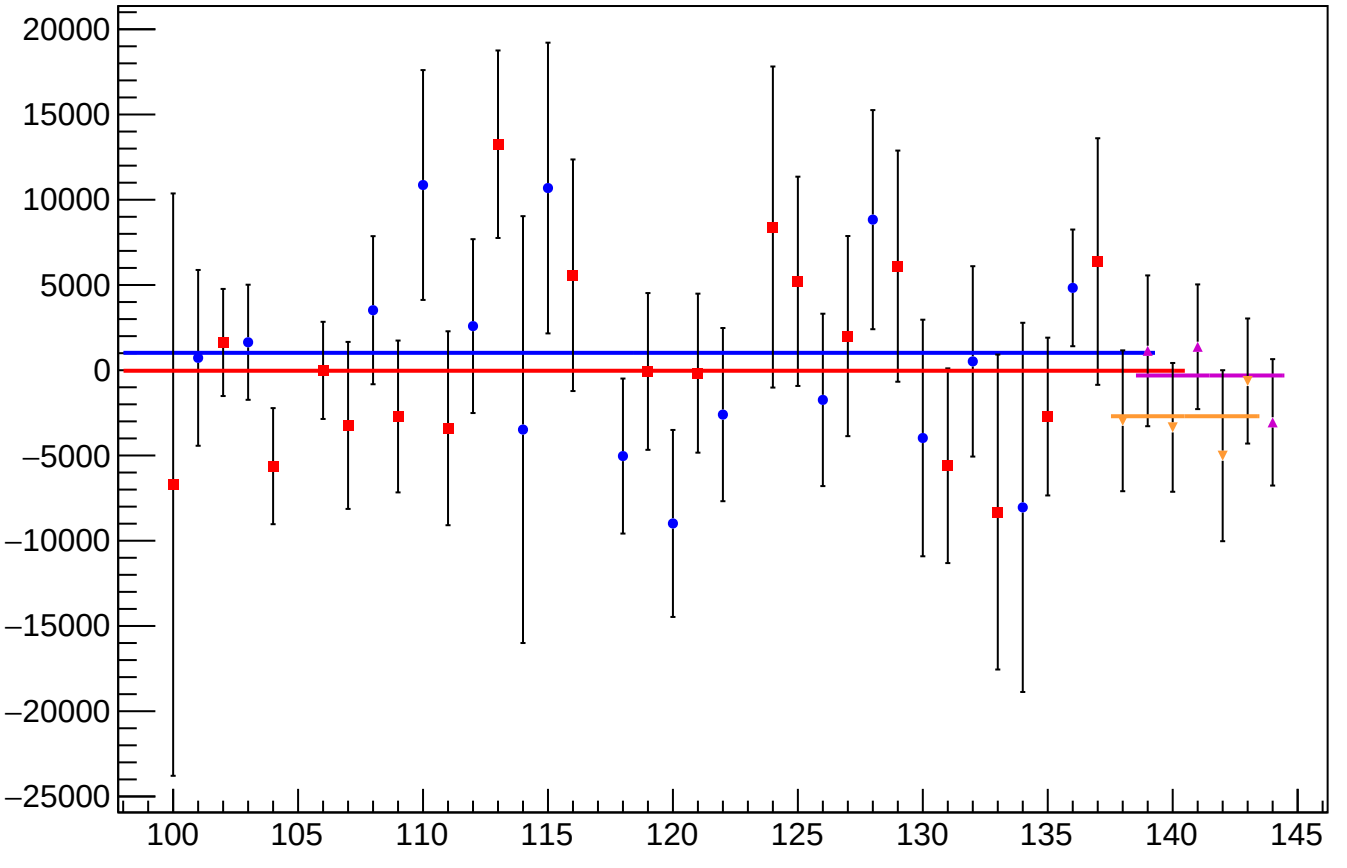
Left: 1276.491+/-0.385 χ^2/NDF: 15696.8/6

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1203.202+/-0.275 χ^2/NDF:652589.3/18

Out: 1178.700+/-0.266 χ^2/NDF:551660.2/22

All: 1190.538+/-0.191 χ^2/NDF: 1208343.1/41



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2698.073+/-2029.586 χ^2/NDF:0.6/3

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -307.803+/-2243.746 χ^2/NDF:0.9/2

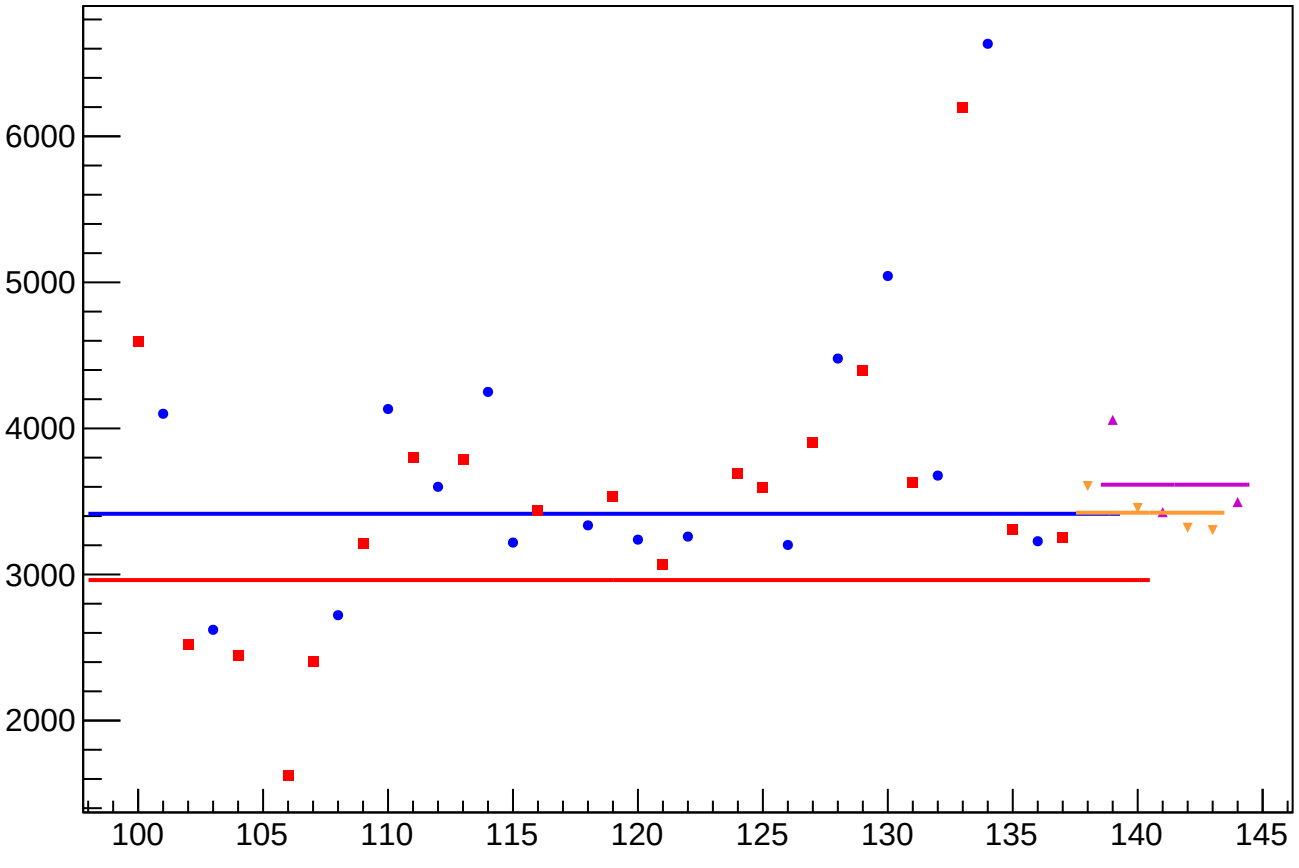
Left: -1622.427+/-1505.167 χ^2/NDF: 2.1/6

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 686.141+/-1126.413 χ^2/NDF:15.0/18

Out: -662.091+/-987.786 χ^2/NDF:18.0/22

All: -75.999+/-742.674 χ^2/NDF: 33.8/41



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3423.055+/-1.435 χ^2/NDF:6992.2/3

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3614.858+/-1.587 χ^2/NDF:27473.4/2

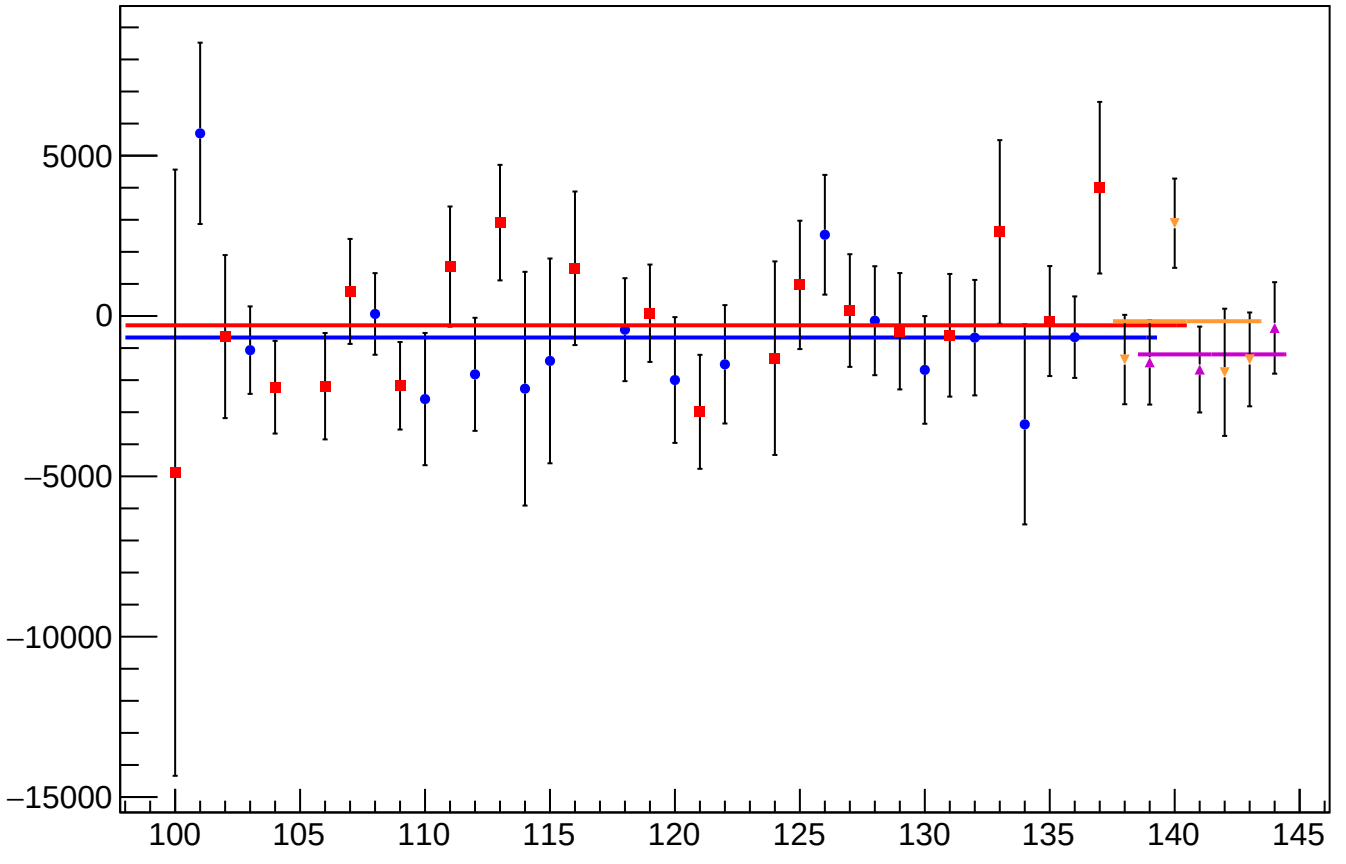
Left: 3509.369+/-1.064 χ^2/NDF: 42503.6/6

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3465.815+/-0.796 χ^2/NDF:631615.8/18

Out: 3071.056+/-0.698 χ^2/NDF:1255081.0/22

All: 3242.662+/-0.525 χ^2/NDF: 2025553.7/41



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: -162.190+/-755.306 χ^2/NDF:6.9/3

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -1196.901+/-784.458 χ^2/NDF:0.5/2

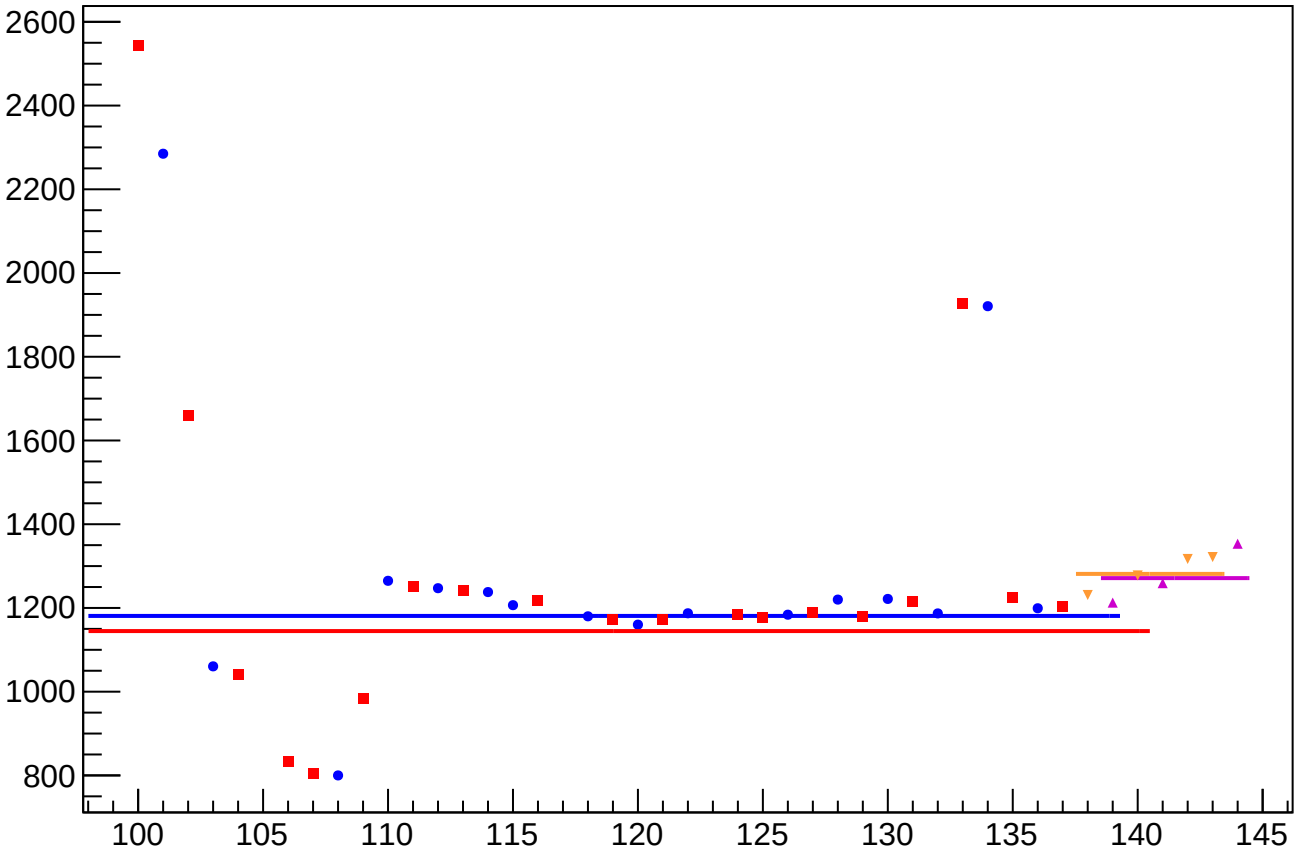
Left: -659.963+/-544.096 χ^2/NDF: 8.3/6

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -800.423+/-389.356 χ^2/NDF:12.7/18

Out: -258.467+/-376.579 χ^2/NDF:23.8/22

All: -520.407+/-270.686 χ^2/NDF: 37.5/41



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1271.261+/-0.555 χ^2/NDF:10735.4/2

Left: 1276.492+/-0.385 χ^2/NDF: 15696.8/6

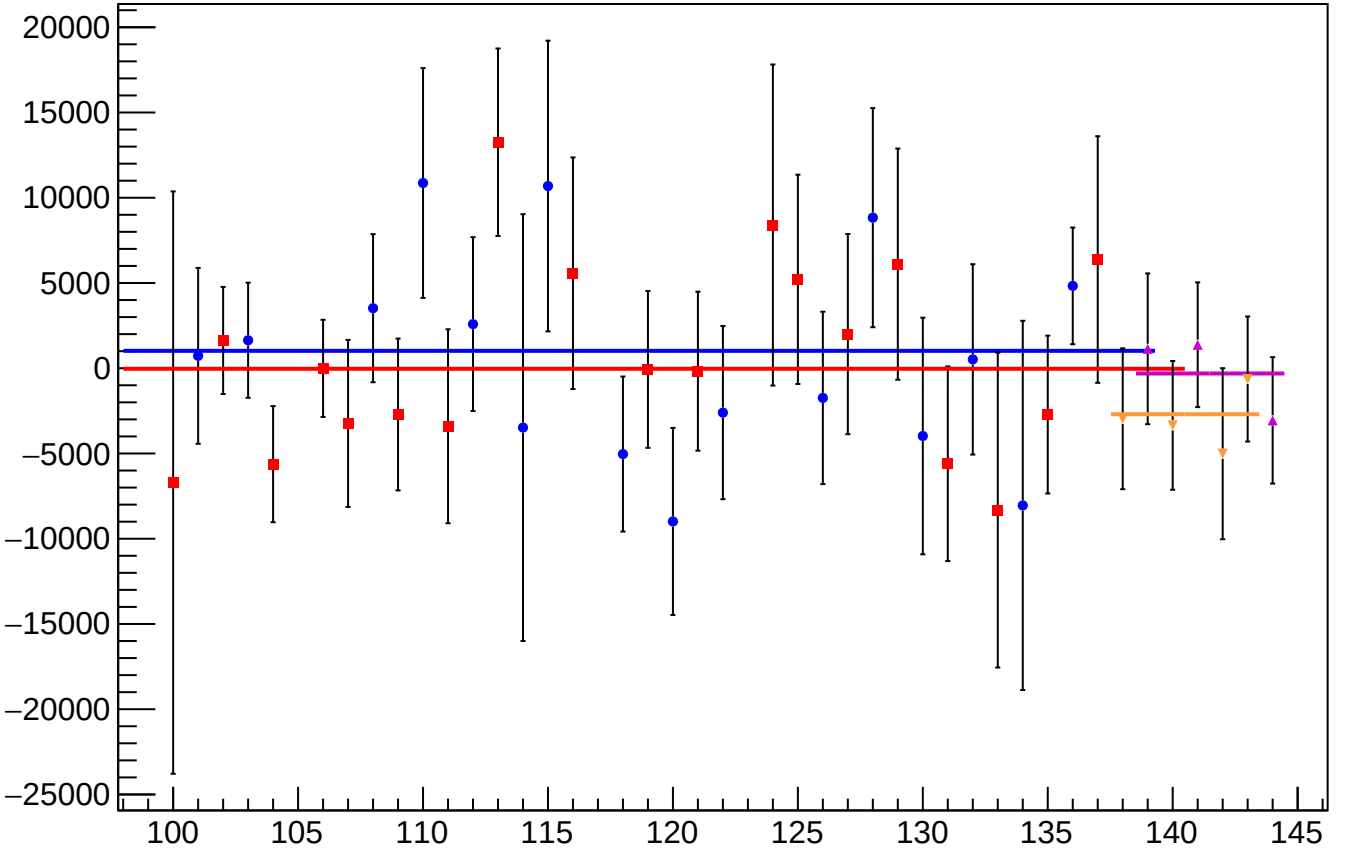
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1203.202+/-0.275 χ^2/NDF:652589.7/18

Out: 1178.701+/-0.266 χ^2/NDF:551660.1/22

All: 1190.539+/-0.191 χ^2/NDF: 1208343.2/41

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2698.077+/-2029.588 χ^2/NDF:0.6/3

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -307.793+/-2243.747 χ^2/NDF:0.9/2

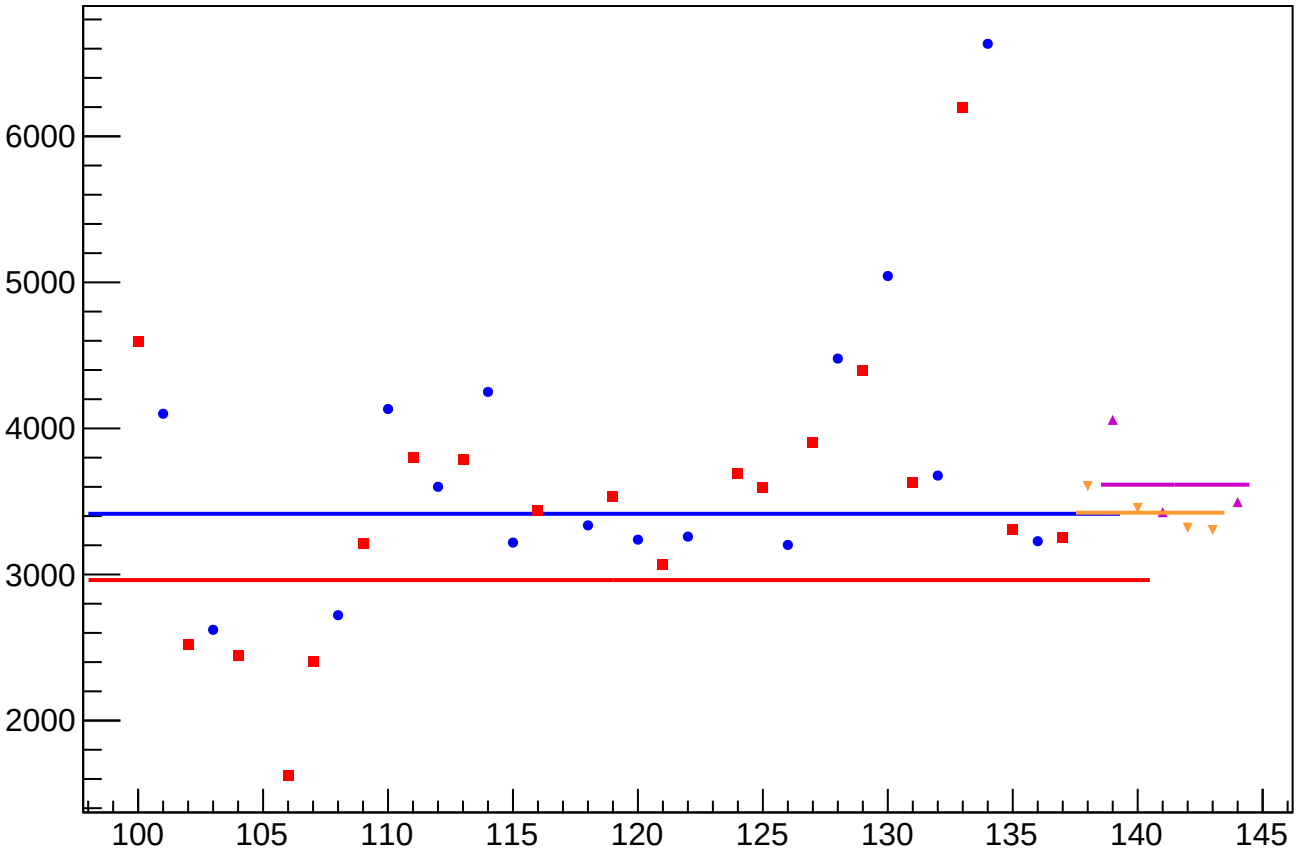
Left: -1622.425+/-1505.168 χ^2/NDF: 2.1/6

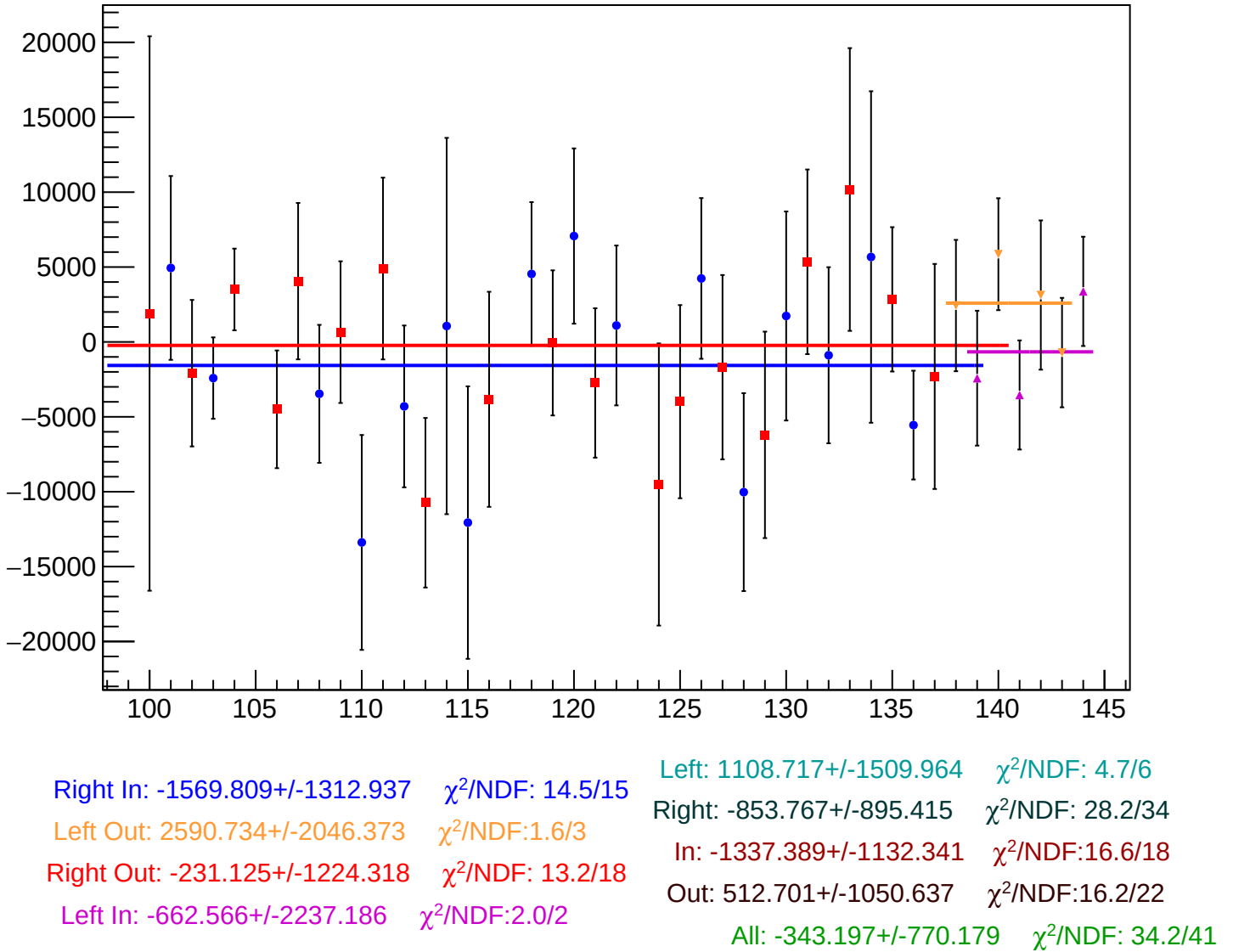
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 686.130+/-1126.412 χ^2/NDF:15.0/18

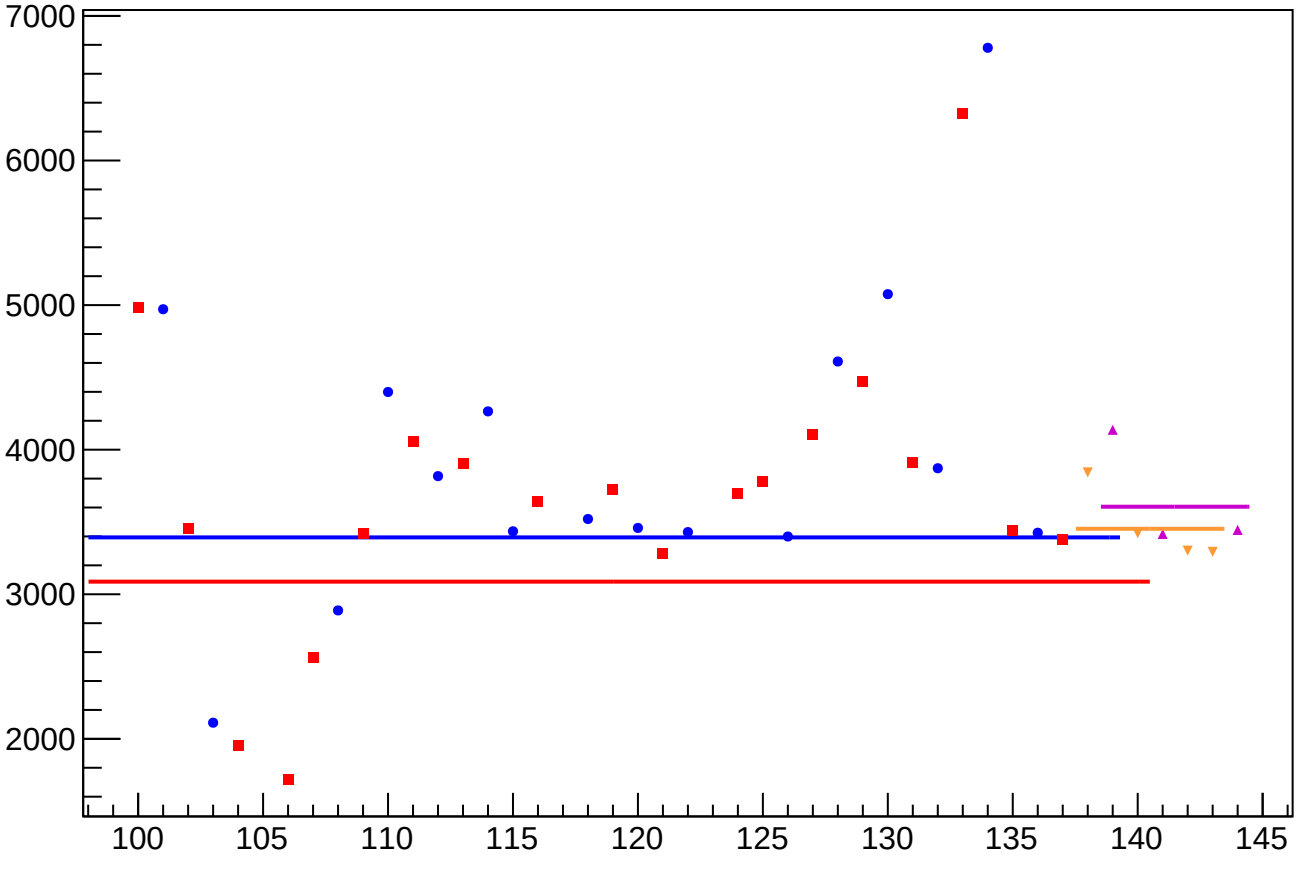
Out: -662.094+/-987.785 χ^2/NDF:18.0/22

All: -76.006+/-742.673 χ^2/NDF: 33.8/41


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3423.058+/-1.435 χ²/NDF:6992.0/3
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3614.860+/-1.587 χ²/NDF:27473.9/2
Left: 3509.371+/-1.064 χ²/NDF: 42503.8/6
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3465.812+/-0.796 χ²/NDF:631612.0/18
Out: 3071.053+/-0.698 χ²/NDF:1255083.0/22
All: 3242.659+/-0.525 χ²/NDF: 2025553.0/41


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 2590.734+/-2046.373 χ²/NDF:1.6/3
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -662.566+/-2237.186 χ²/NDF:2.0/2
Left: 1108.717+/-1509.964 χ²/NDF: 4.7/6
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -1337.389+/-1132.341 χ²/NDF:16.6/18
Out: 512.701+/-1050.637 χ²/NDF:16.2/22
All: -343.197+/-770.179 χ²/NDF: 34.2/41

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3452.944+/-1.447 χ^2/NDF:21615.1/3

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3605.549+/-1.582 χ^2/NDF:37157.6/2

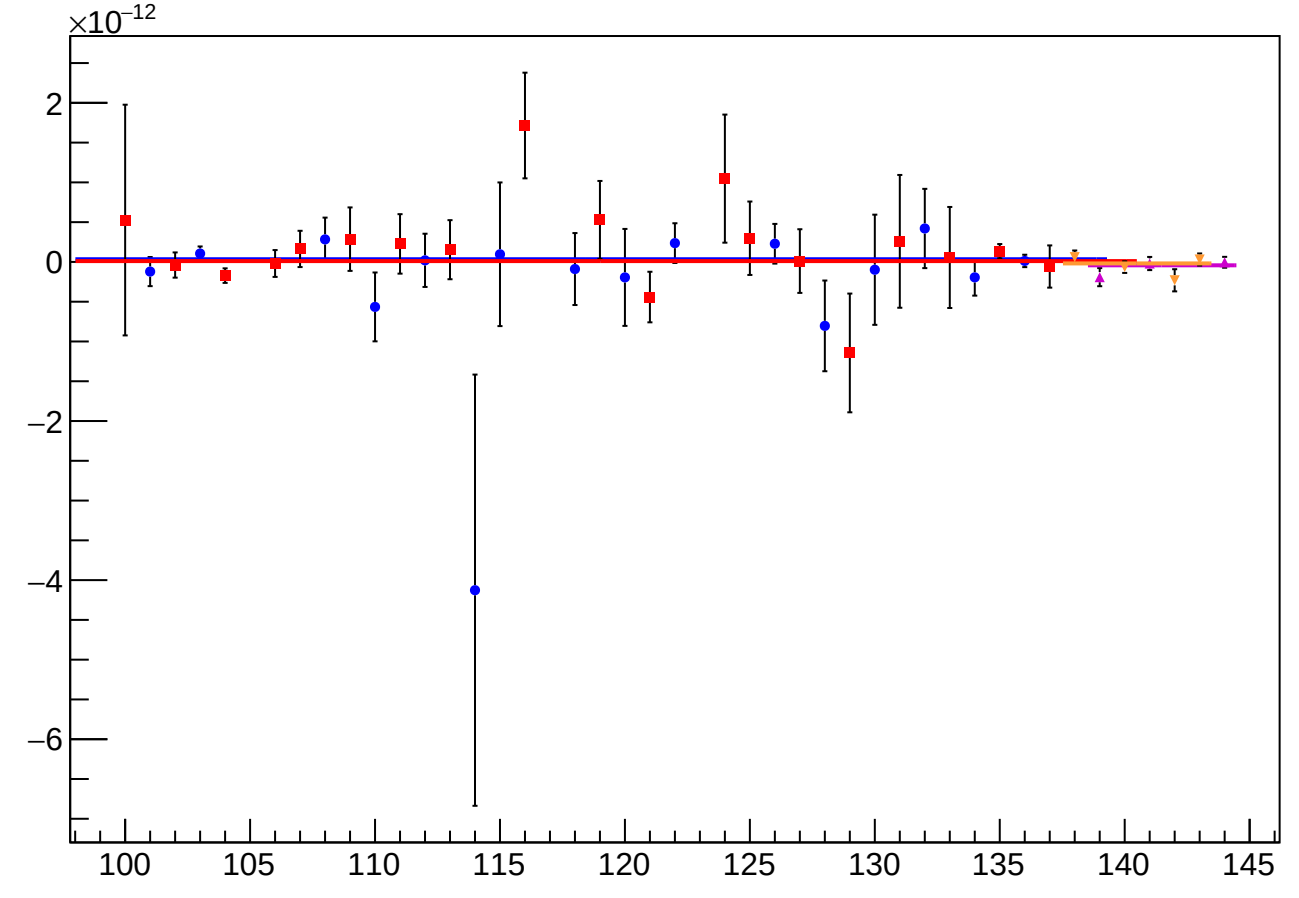
Left: 3522.462+/-1.068 χ^2/NDF: 63839.4/6

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3447.723+/-0.801 χ^2/NDF:1099247.0/18

Out: 3181.308+/-0.734 χ^2/NDF:1397405.9/22

All: 3302.905+/-0.541 χ^2/NDF: 2556833.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/2

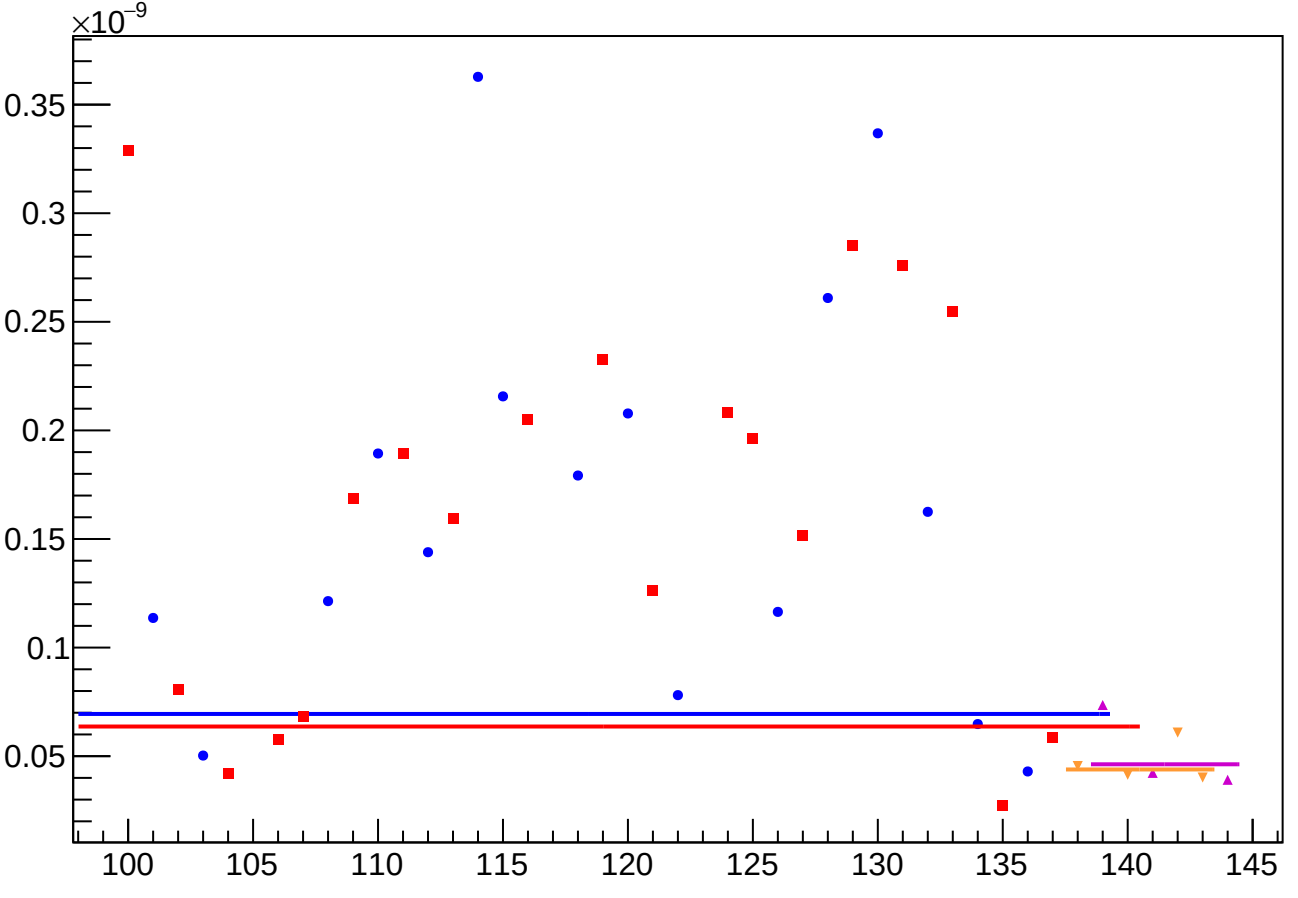
Left: -0.000+/-0.000 χ^2/NDF: 6.3/6

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:15.1/18

Out: -0.000+/-0.000 χ^2/NDF:26.1/22

All: -0.000+/-0.000 χ^2/NDF: 41.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:37495.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:141030.6/2

Left: 0.000+/-0.000 χ^2/NDF: 181303.1/6

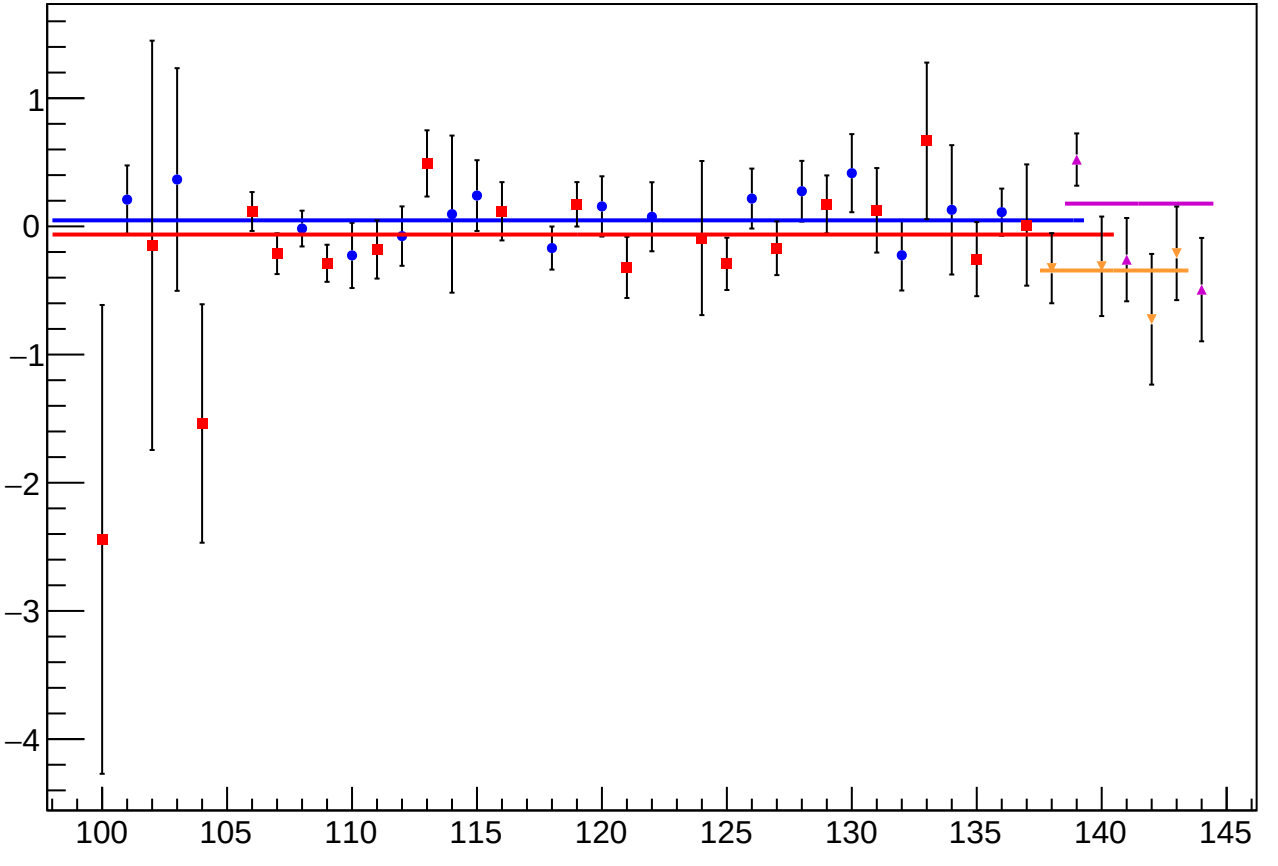
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2099880.5/18

Out: 0.000+/-0.000 χ^2/NDF:2471560.0/22

All: 0.000+/-0.000 χ^2/NDF: 4597200.6/41

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.178+/-0.159 χ^2/NDF:7.4/2

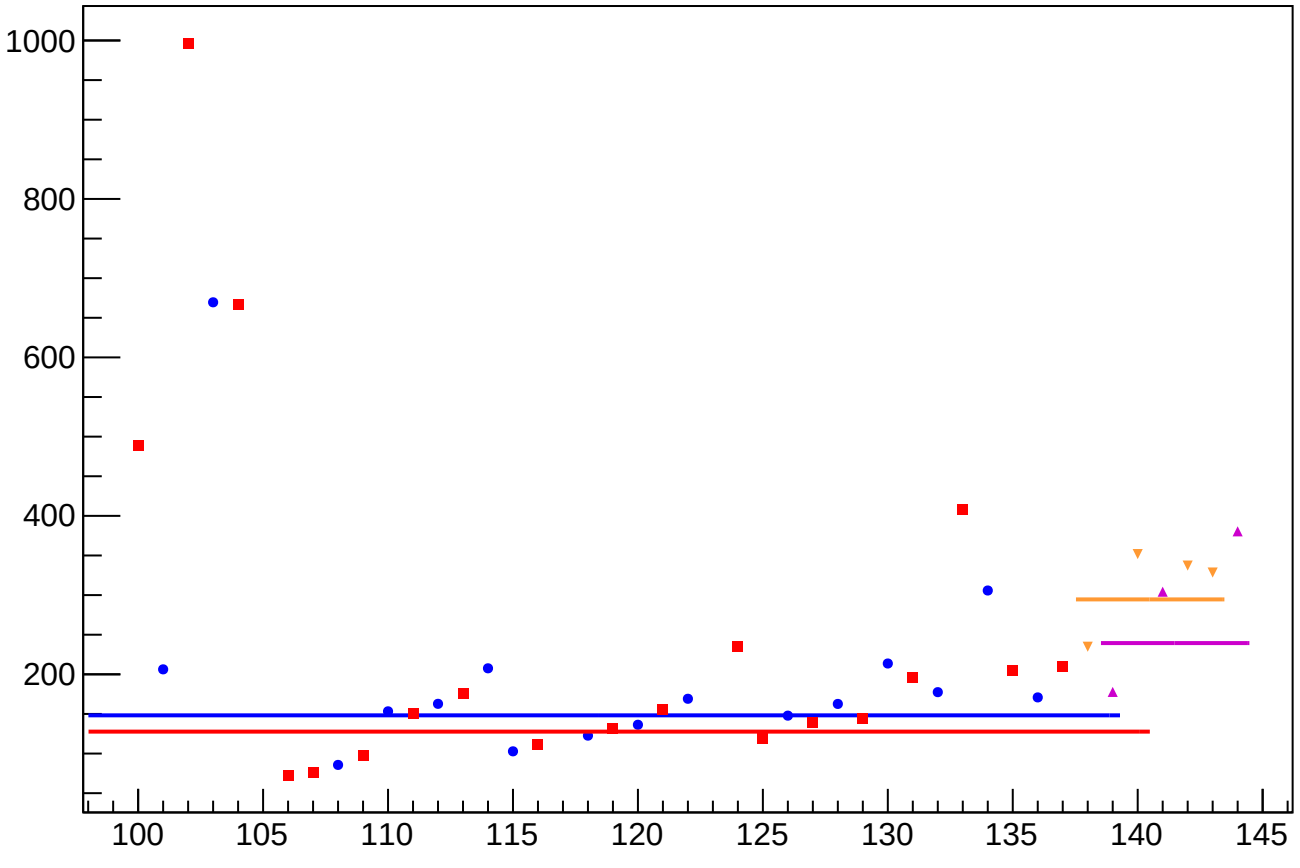
Left: -0.053+/-0.119 χ^2/NDF: 12.9/6

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.063+/-0.056 χ^2/NDF:16.6/18

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.018+/-0.038 χ^2/NDF: 45.6/41



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 294.554+/-0.126 χ^2/NDF:170083.1/3

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 239.438+/-0.112 χ^2/NDF:506876.9/2

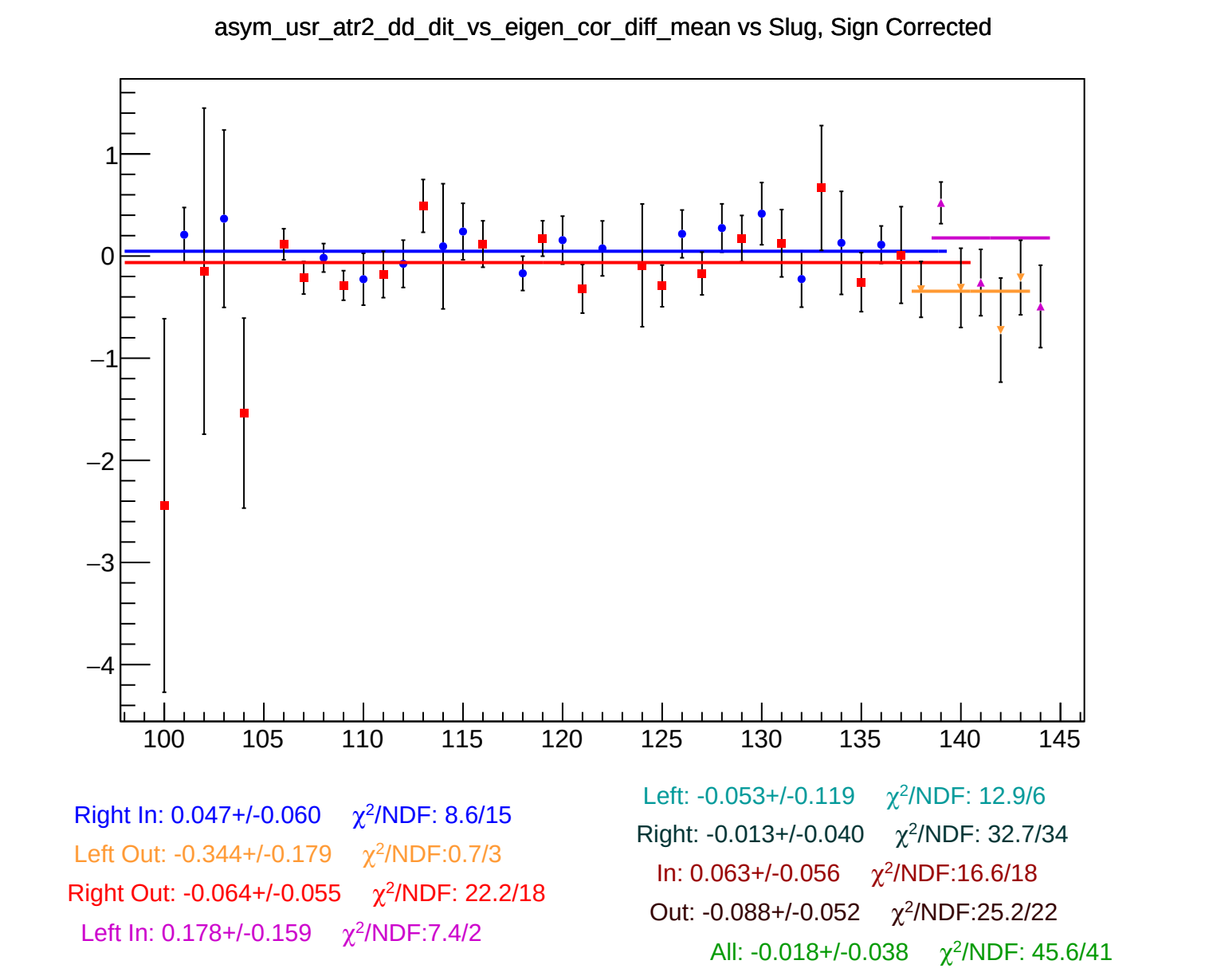
Left: 263.771+/-0.084 χ^2/NDF: 783351.3/6

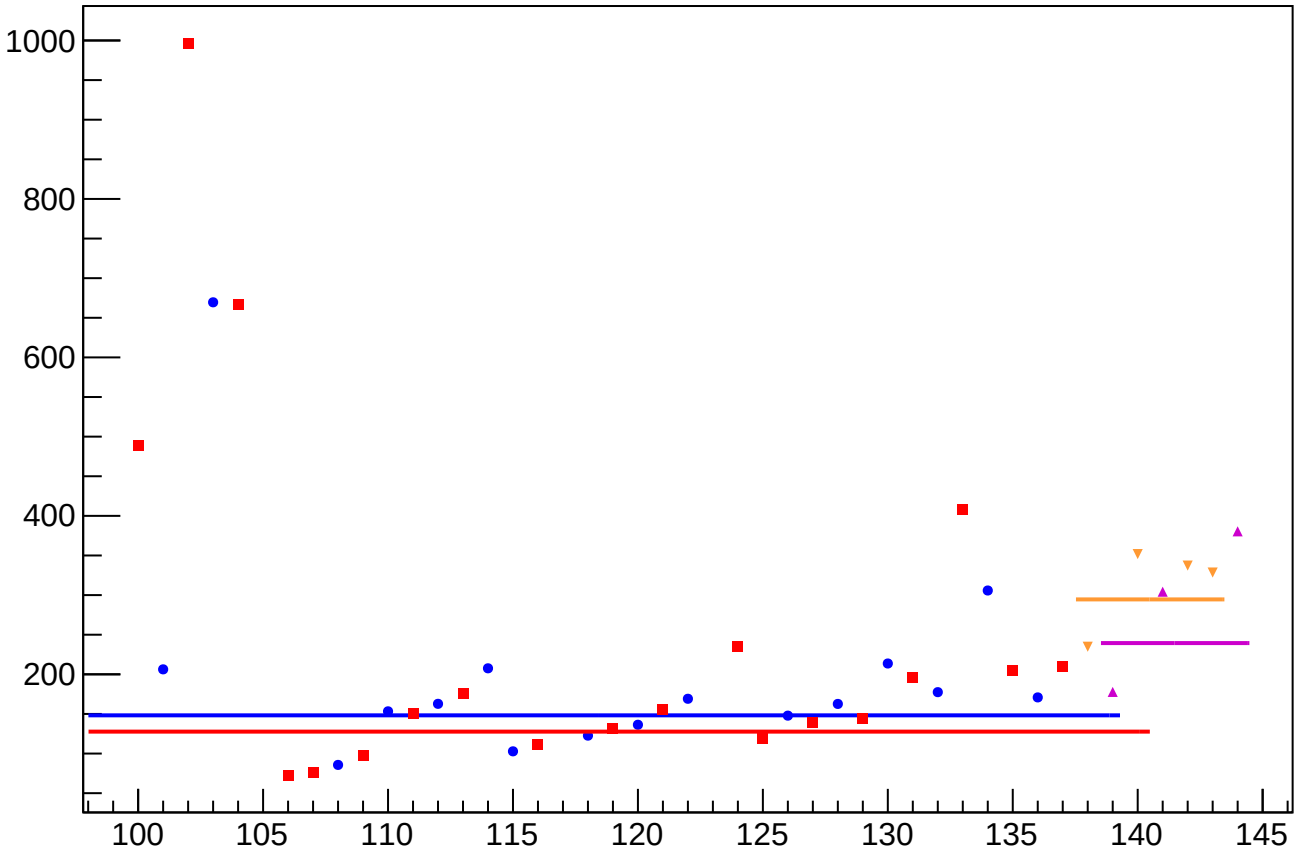
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

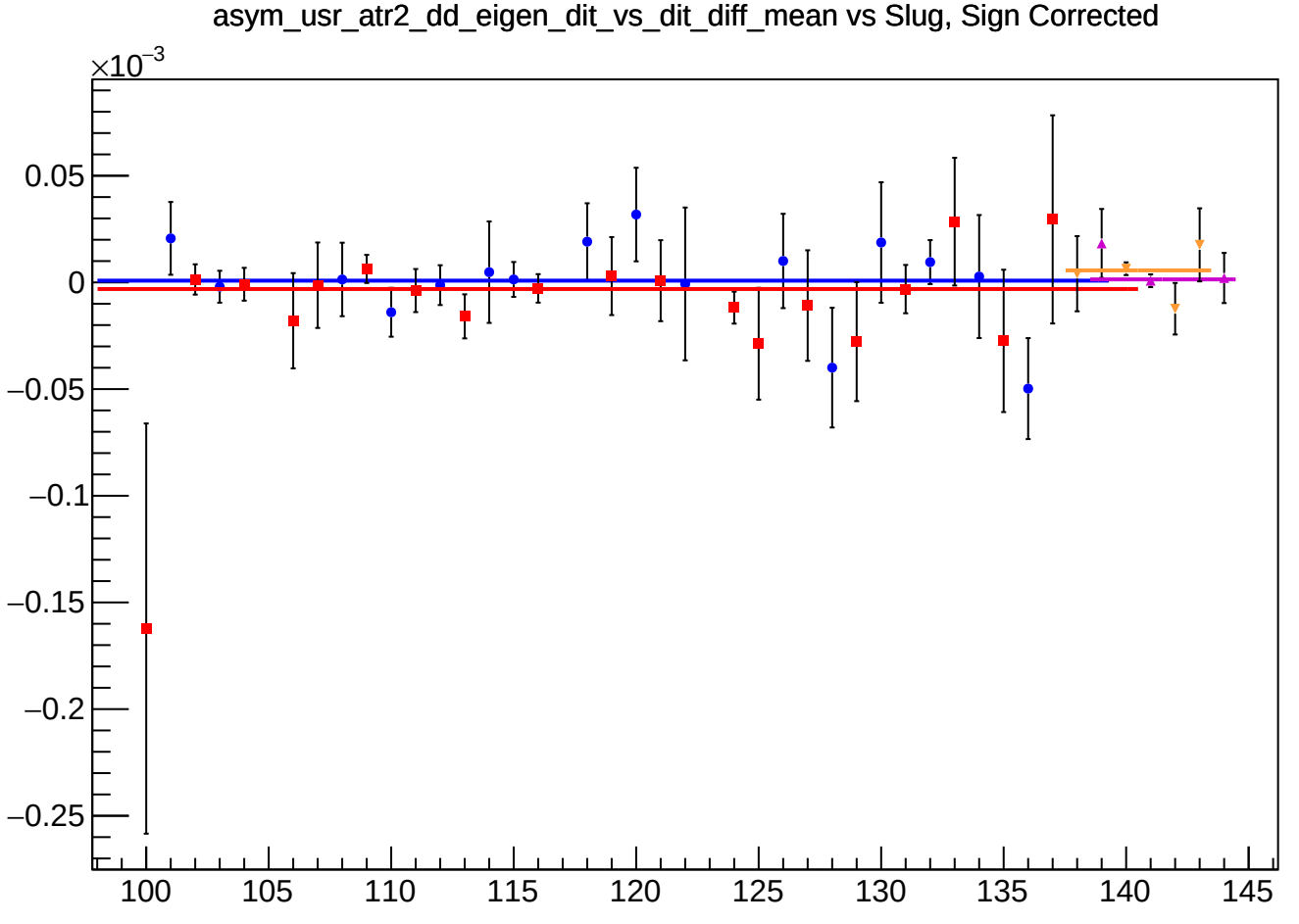
In: 159.645+/-0.040 χ^2/NDF:2794168.3/18

Out: 141.981+/-0.037 χ^2/NDF:4608390.0/22

All: 150.182+/-0.027 χ^2/NDF: 7508584.0/41


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.344+/-0.179 χ²/NDF:0.7/3
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.178+/-0.159 χ²/NDF:7.4/2
Left: -0.053+/-0.119 χ²/NDF: 12.9/6
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.063+/-0.056 χ²/NDF:16.6/18
Out: -0.088+/-0.052 χ²/NDF:25.2/22
All: -0.018+/-0.038 χ²/NDF: 45.6/41


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
105
110
115
120
125
130
135
140
145
Right In: 148.240+/-0.042 χ²/NDF: 1710035.6/15
Left Out: 294.554+/-0.126 χ²/NDF:170083.1/3
Right Out: 127.685+/-0.039 χ²/NDF: 2841780.7/18
Left In: 239.438+/-0.112 χ²/NDF:506876.9/2
Left: 263.771+/-0.084 χ²/NDF: 783351.3/6
Right: 137.004+/-0.029 χ²/NDF: 4680006.1/34
In: 159.645+/-0.040 χ²/NDF:2794168.3/18
Out: 141.981+/-0.037 χ²/NDF:4608390.0/22
All: 150.182+/-0.027 χ²/NDF: 7508584.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

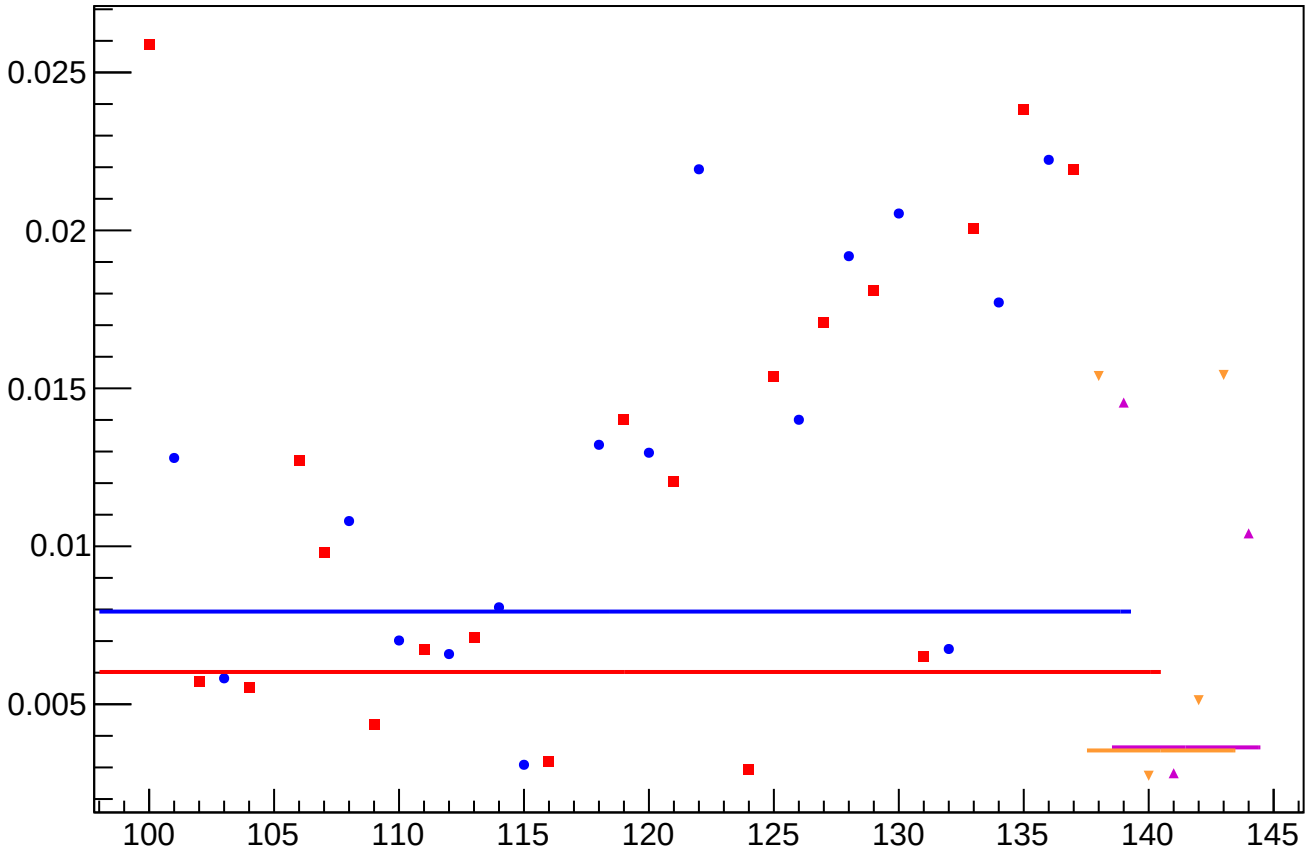
Left: 0.000+/-0.000 χ^2/NDF: 5.0/6

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.4/18

Out: 0.000+/-0.000 χ^2/NDF:20.6/22

All: 0.000+/-0.000 χ^2/NDF: 36.0/41



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2045907.1/3

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:1725971.4/2

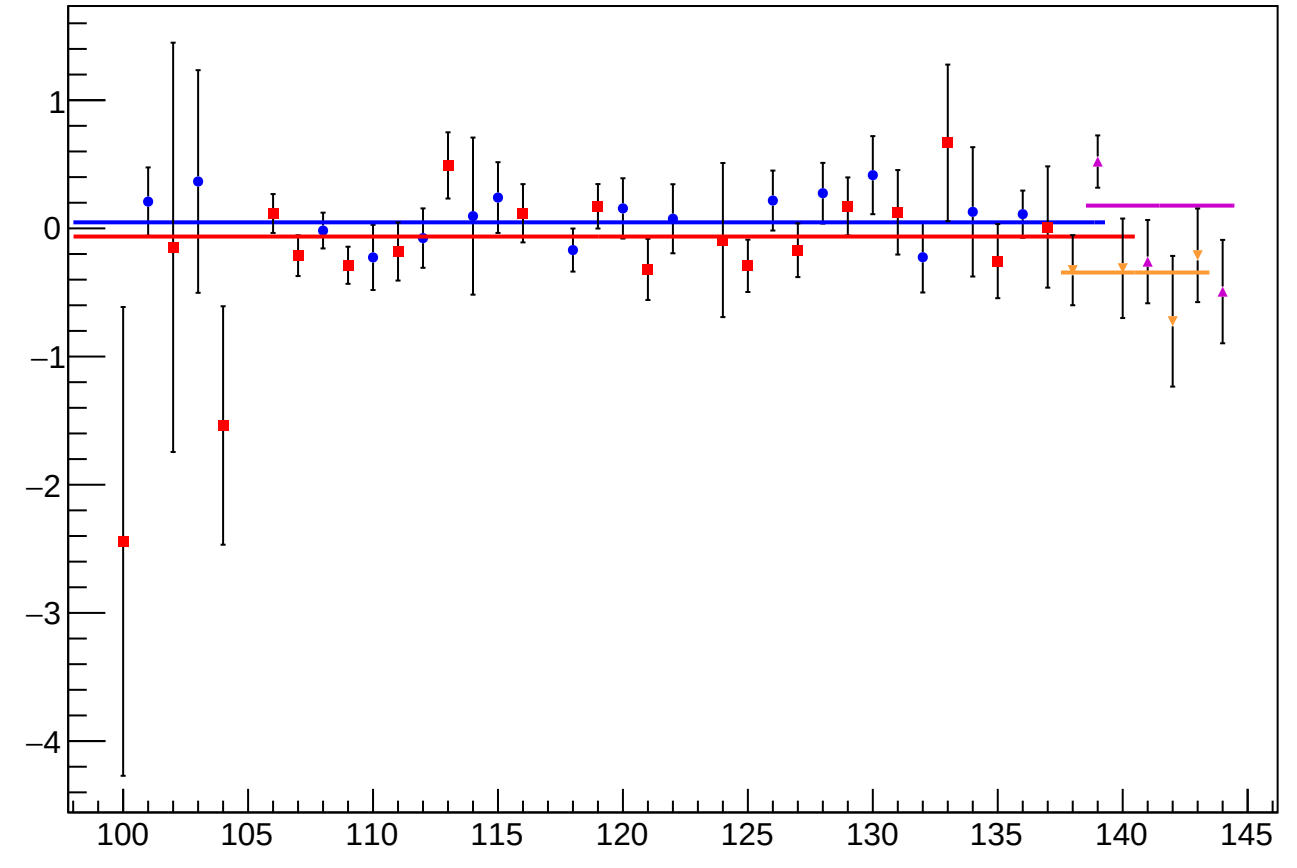
Left: 0.004+/-0.000 χ^2/NDF: 3773047.4/6

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.005+/-0.000 χ^2/NDF:7136568.7/18

Out: 0.005+/-0.000 χ^2/NDF:6883009.4/22

All: 0.005+/-0.000 χ^2/NDF: 14081318.2/41



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.178+/-0.159 χ^2/NDF:7.4/2

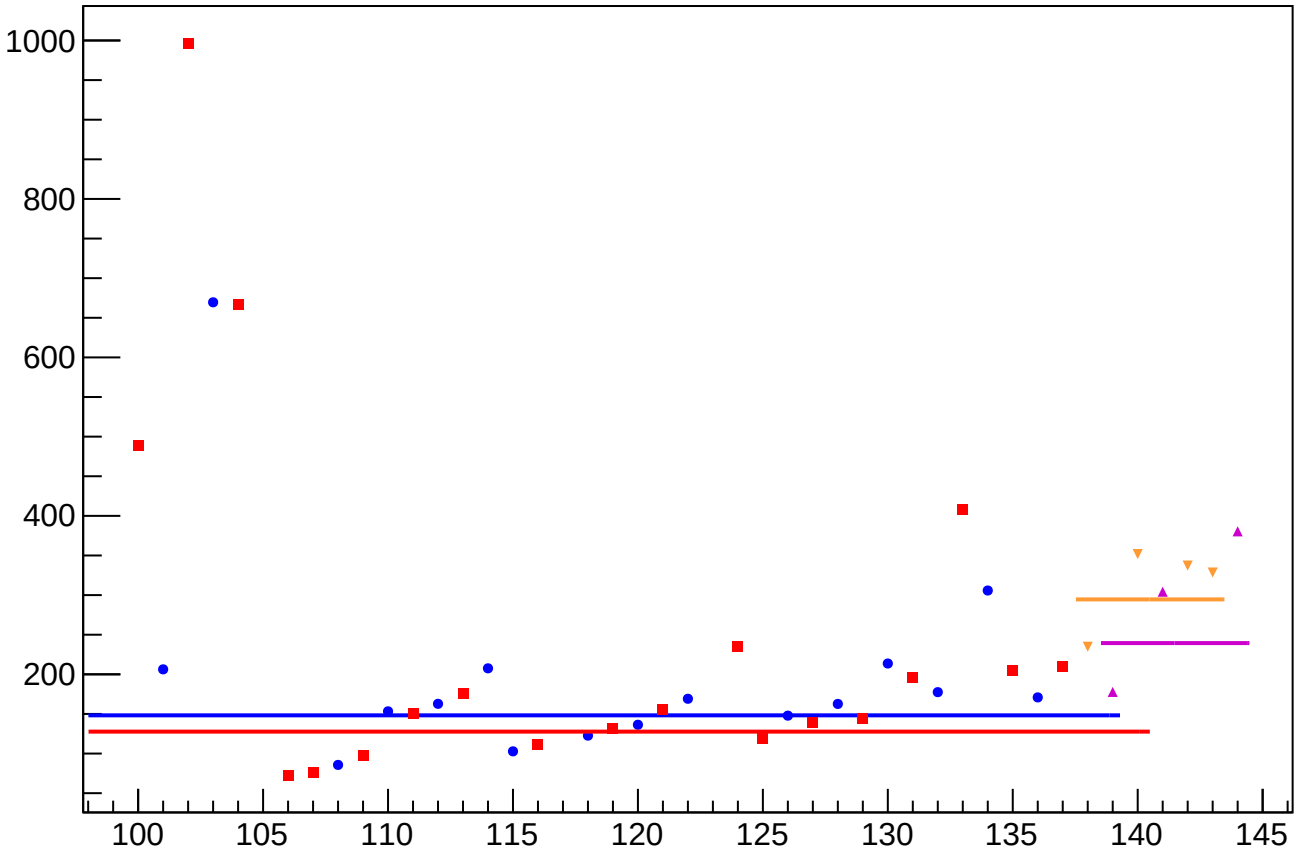
Left: -0.053+/-0.119 χ^2/NDF: 12.9/6

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.063+/-0.056 χ^2/NDF:16.6/18

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.018+/-0.038 χ^2/NDF: 45.6/41



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 294.558+/-0.126 χ^2/NDF:170068.1/3

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 239.440+/-0.112 χ^2/NDF:506853.5/2

Left: 263.775+/-0.084 χ^2/NDF: 783315.9/6

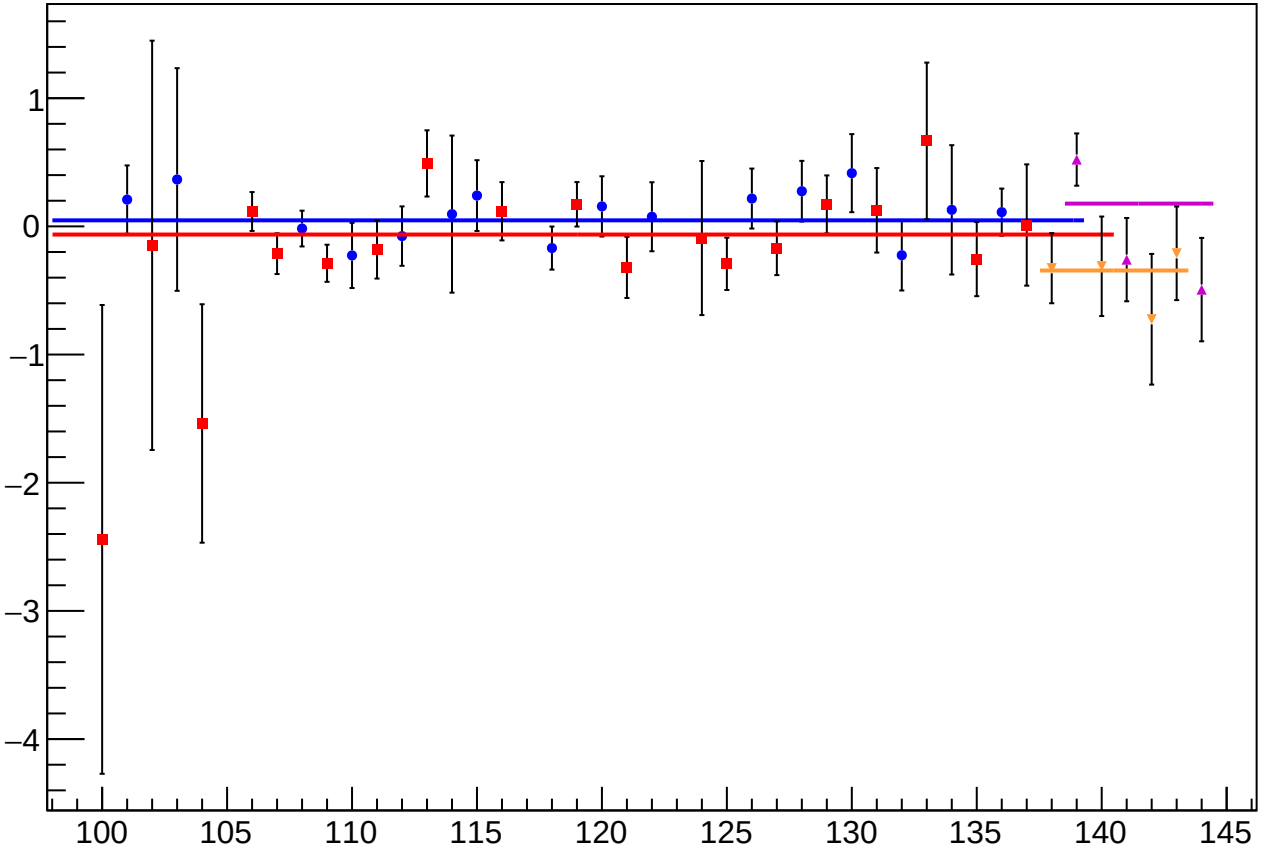
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 159.643+/-0.040 χ^2/NDF:2794281.1/18

Out: 141.982+/-0.037 χ^2/NDF:4608407.3/22

All: 150.181+/-0.027 χ^2/NDF: 7508687.1/41

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: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.178+/-0.159 χ^2/NDF:7.4/2

Left: -0.053+/-0.119 χ^2/NDF: 12.9/6

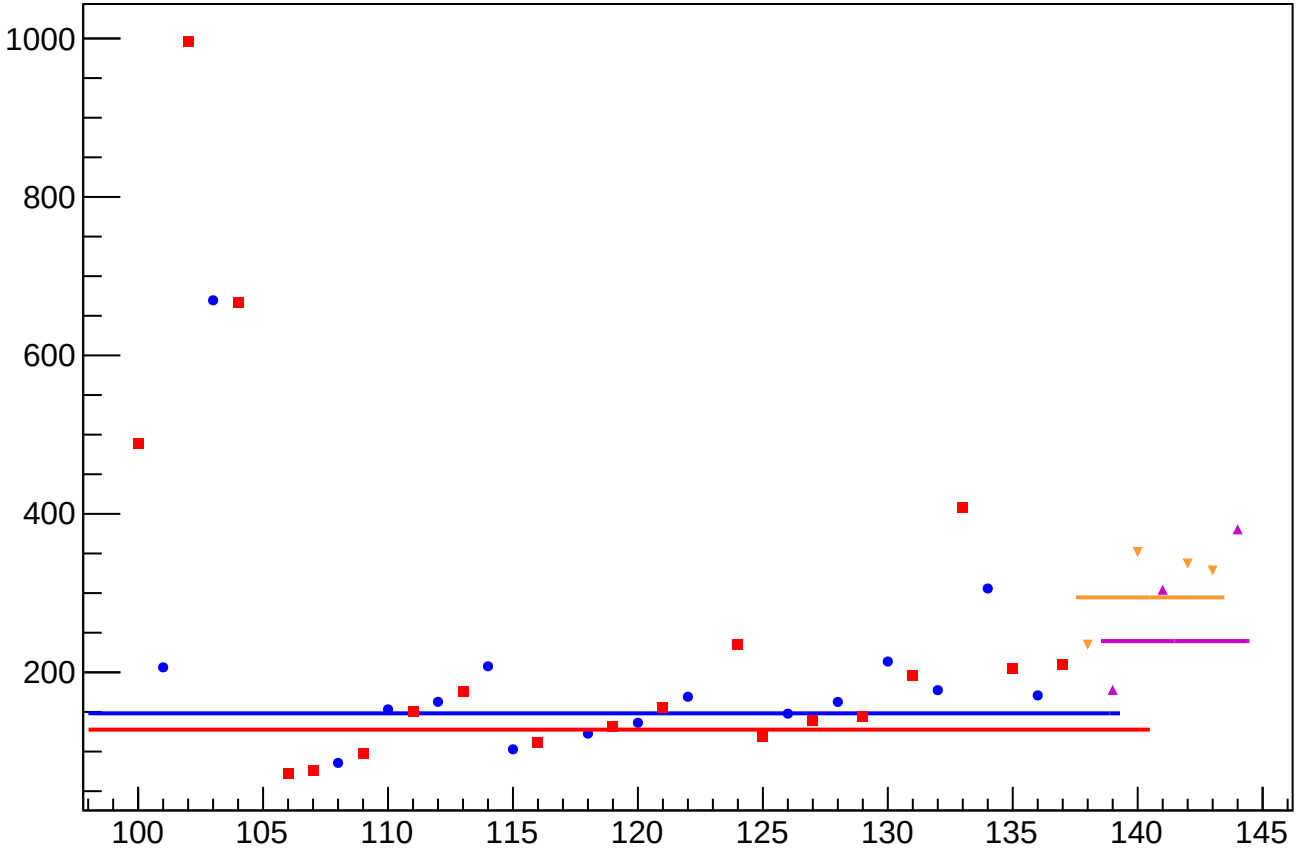
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.063+/-0.056 χ^2/NDF:16.6/18

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.018+/-0.038 χ^2/NDF: 45.6/41

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: 294.558+/-0.126 χ^2/NDF:170068.1/3

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 239.440+/-0.112 χ^2/NDF:506853.5/2

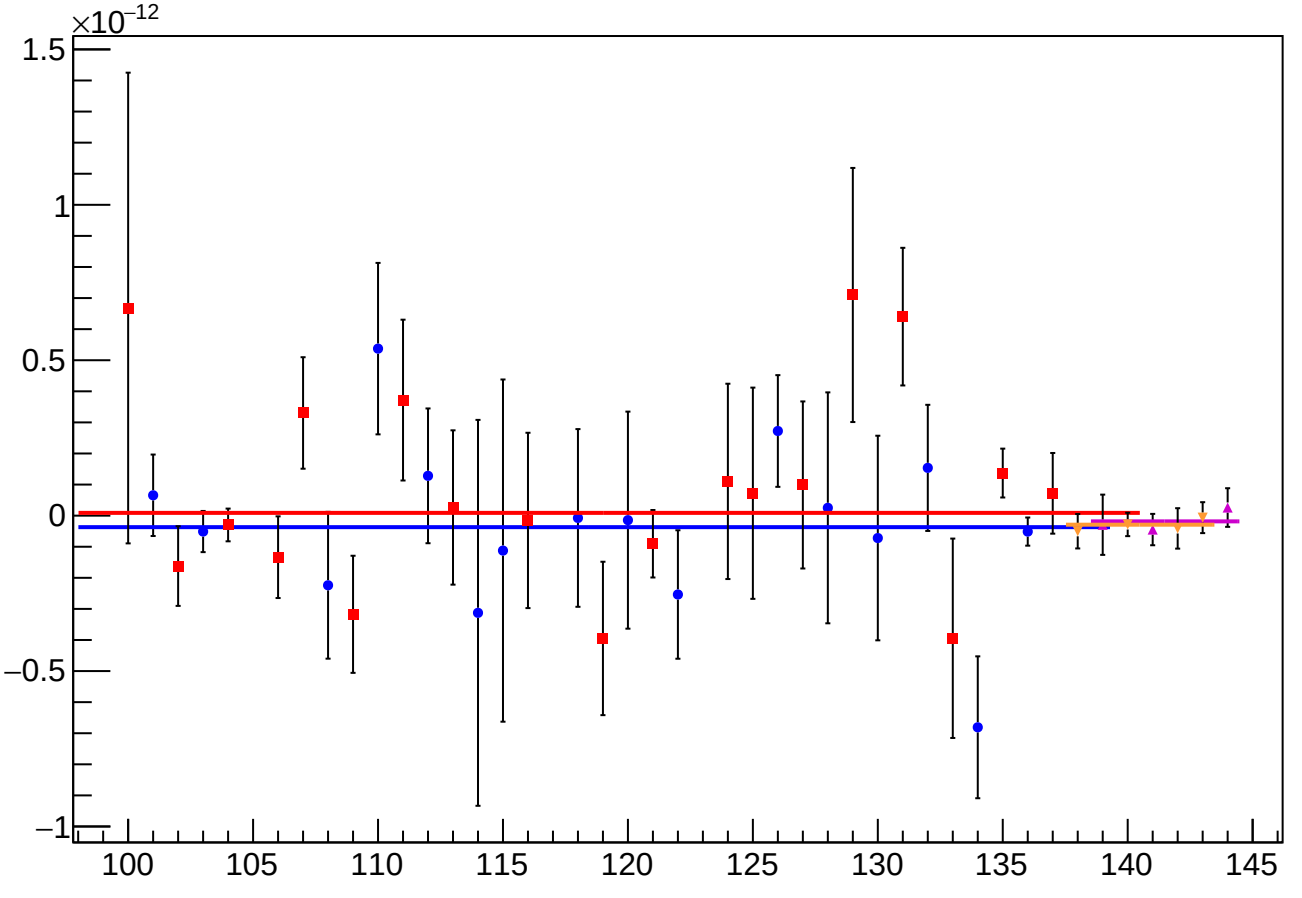
Left: 263.775+/-0.084 χ^2/NDF: 783315.9/6

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 159.643+/-0.040 χ^2/NDF:2794281.1/18

Out: 141.982+/-0.037 χ^2/NDF:4608407.3/22

All: 150.181+/-0.027 χ^2/NDF: 7508687.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/2

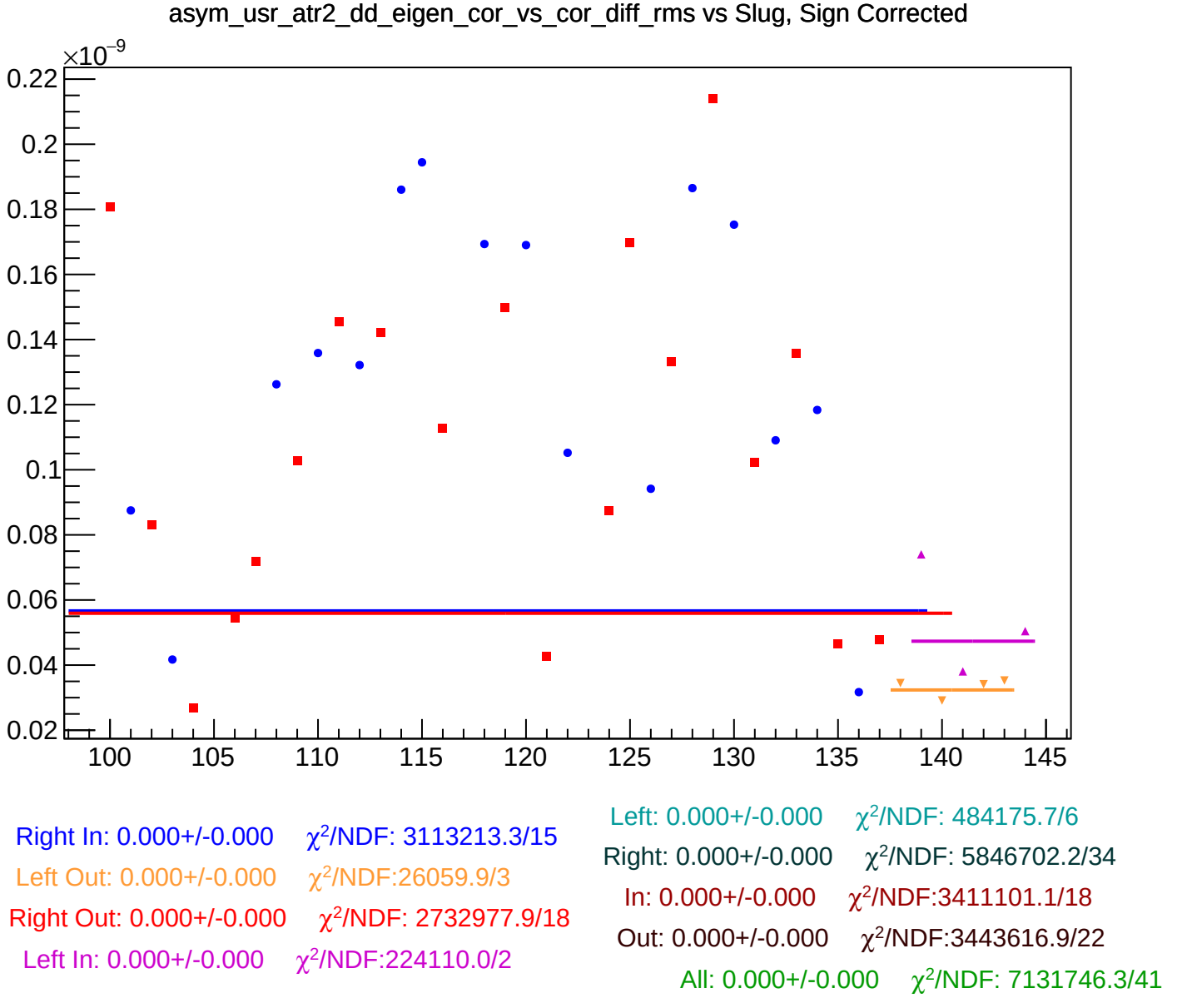
Left: -0.000+/-0.000 χ^2/NDF: 1.2/6

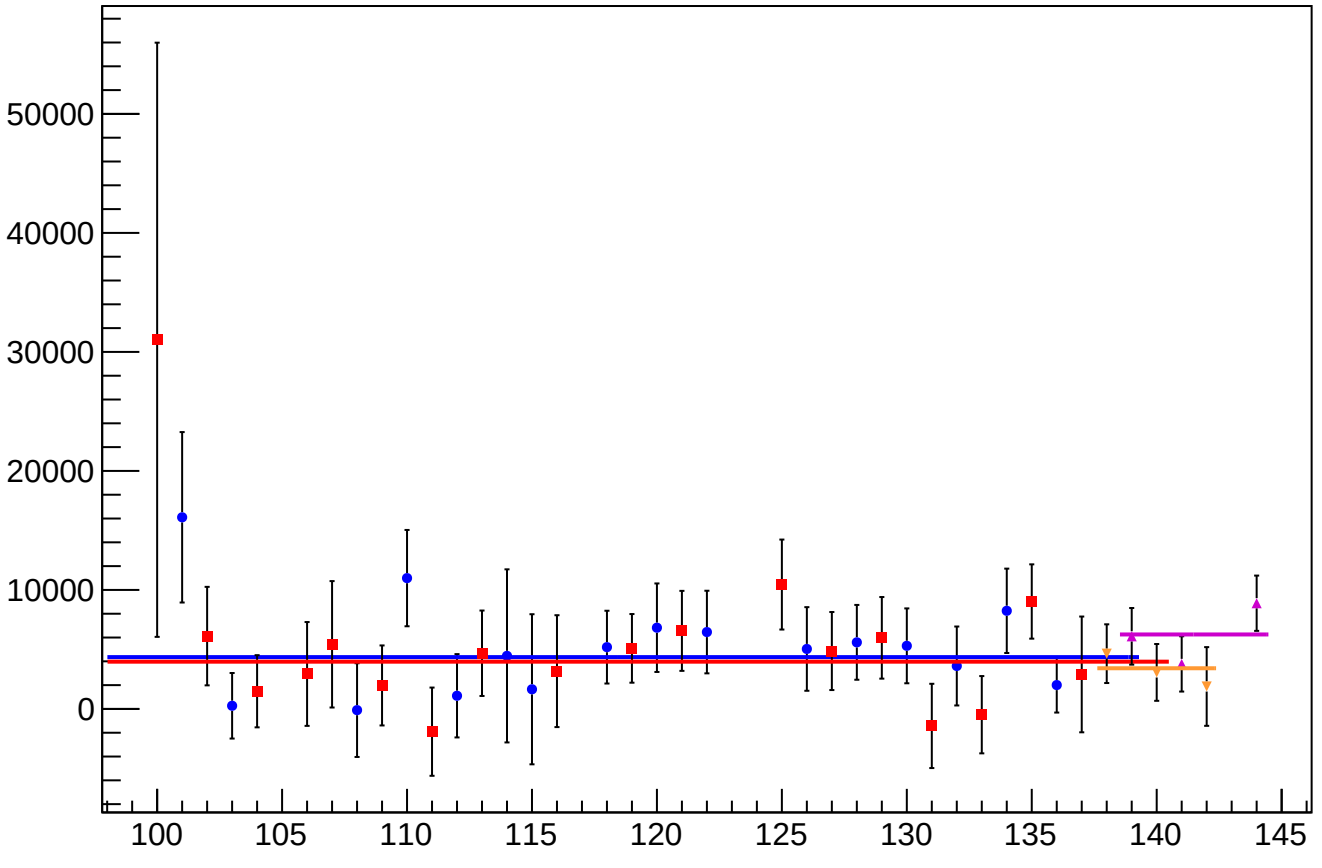
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:20.4/18

Out: -0.000+/-0.000 χ^2/NDF:33.0/22

All: -0.000+/-0.000 χ^2/NDF: 53.7/41


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:26059.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:224110.0/2
Left: 0.000+/-0.000 χ²/NDF: 484175.7/6
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3411101.1/18
Out: 0.000+/-0.000 χ²/NDF:3443616.9/22
All: 0.000+/-0.000 χ²/NDF: 7131746.3/41



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3417.963+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 6257.709+/-1351.461 χ^2/NDF:2.4/2

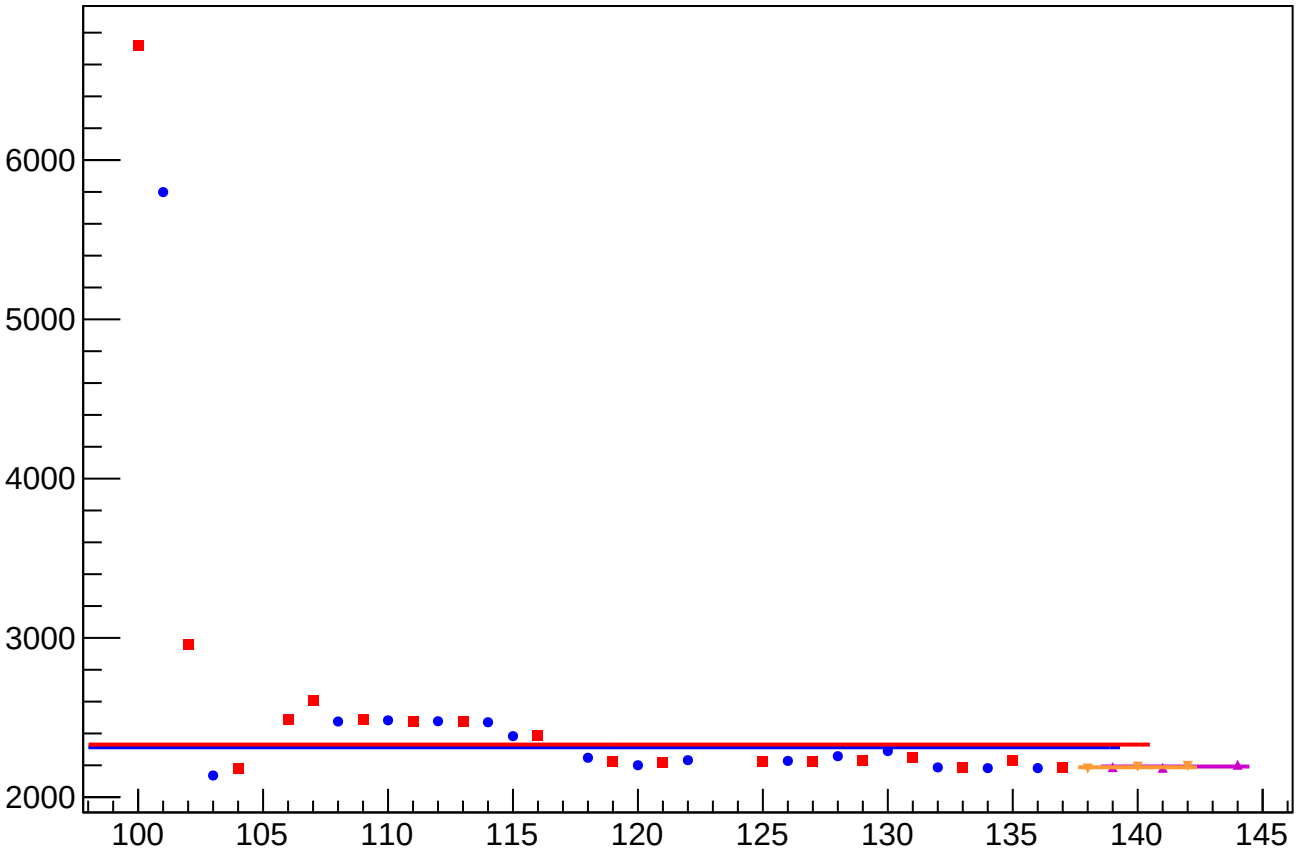
Left: 5006.346+/-1010.745 χ^2/NDF: 4.8/5

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4916.689+/-734.585 χ^2/NDF:17.2/18

Out: 3835.087+/-756.239 χ^2/NDF:16.7/20

All: 4391.594+/-526.919 χ^2/NDF: 35.0/39



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

Left: 2190.396+/-0.715 χ^2/NDF: 127.4/5

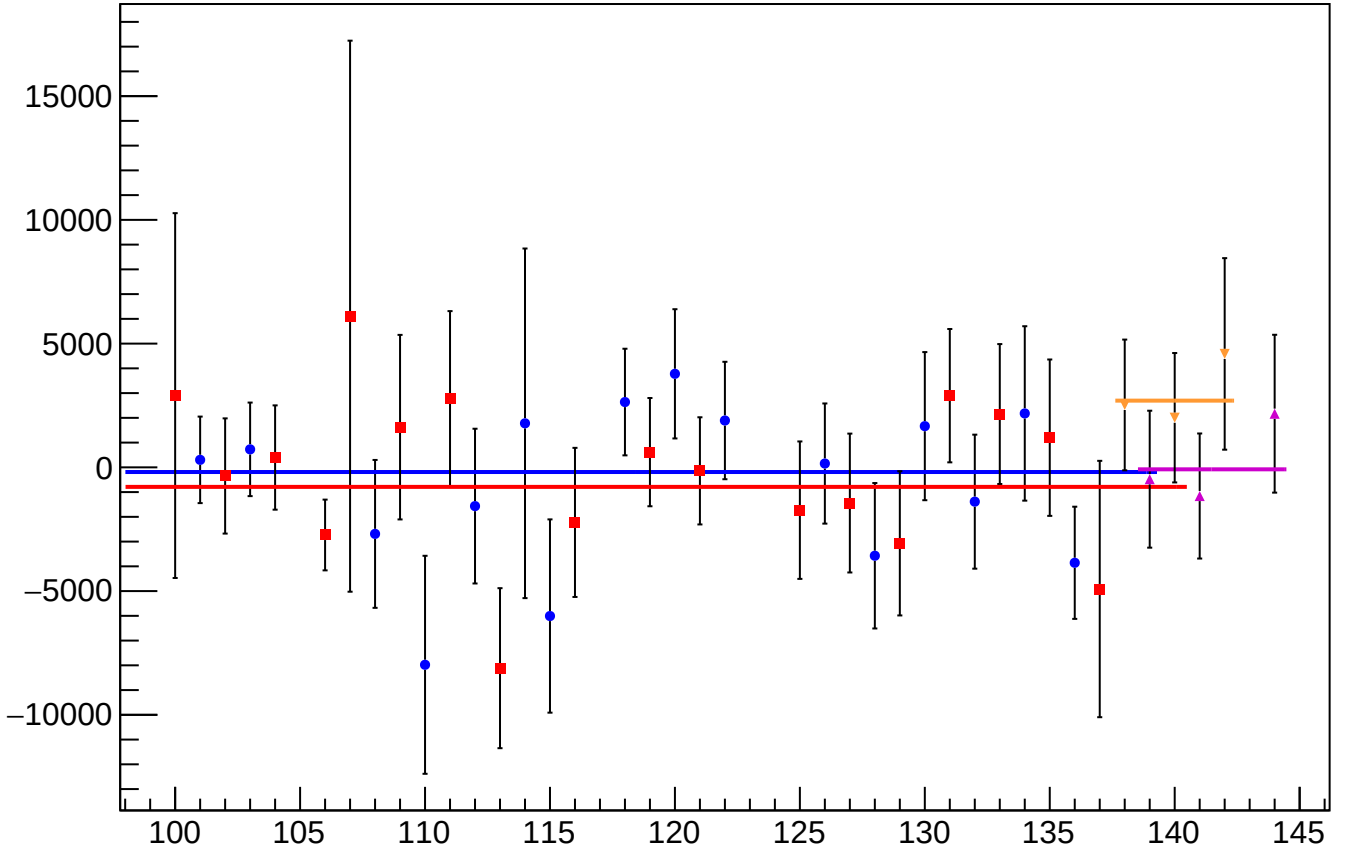
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2277.657+/-0.519 χ^2/NDF:523746.8/18

Out: 2295.089+/-0.535 χ^2/NDF:164419.1/20

All: 2286.120+/-0.373 χ^2/NDF: 688712.6/39

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: 2695.807+/-1674.922 χ^2/NDF:0.3/2

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -80.050+/-1610.450 χ^2/NDF:0.7/2

Left: 1253.426+/-1160.883 χ^2/NDF: 2.4/5

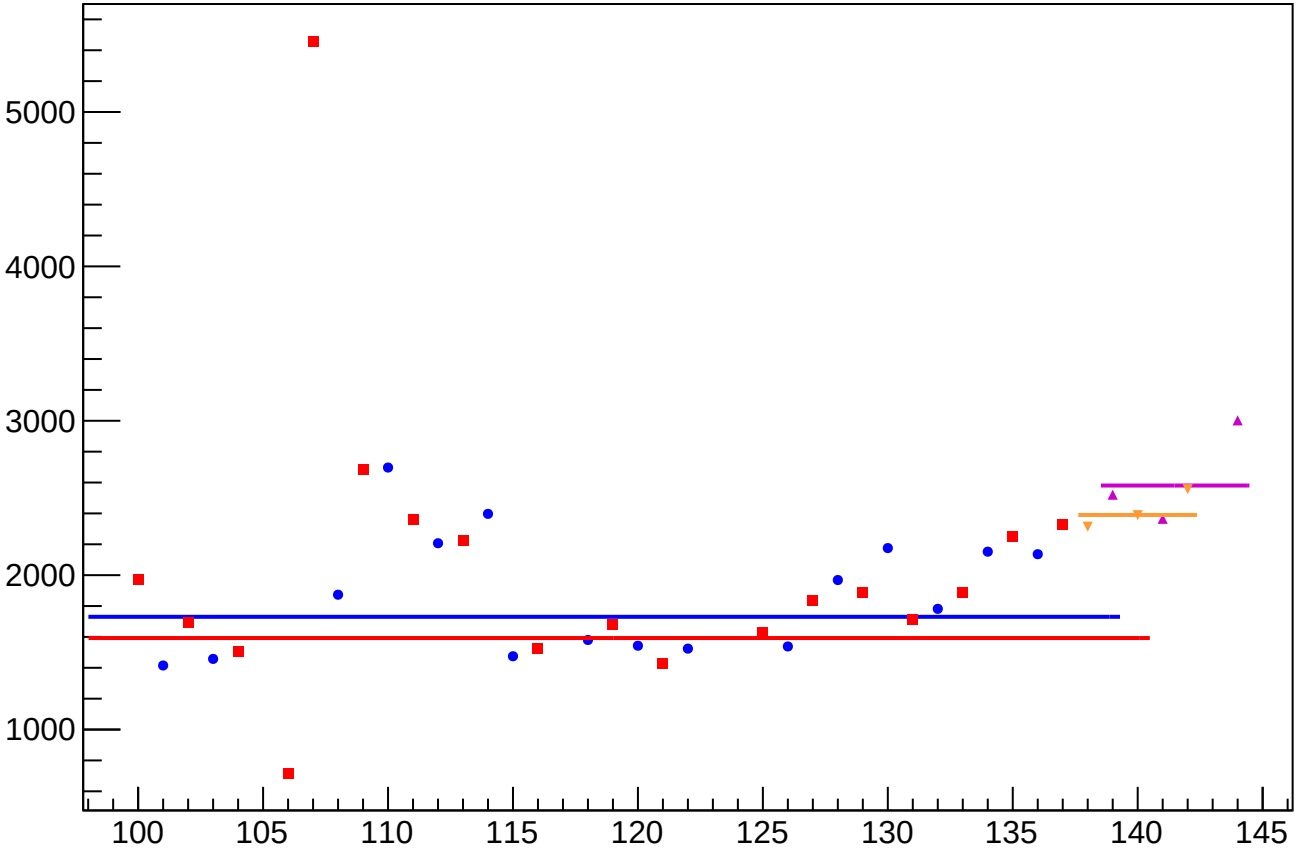
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -173.109+/-609.383 χ^2/NDF:17.1/18

Out: -351.460+/-593.679 χ^2/NDF:19.0/20

All: -264.612+/-425.238 χ^2/NDF: 36.2/39

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: 2390.003+/-1.184 χ^2/NDF:5381.6/2

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2580.607+/-1.139 χ^2/NDF:50494.8/2

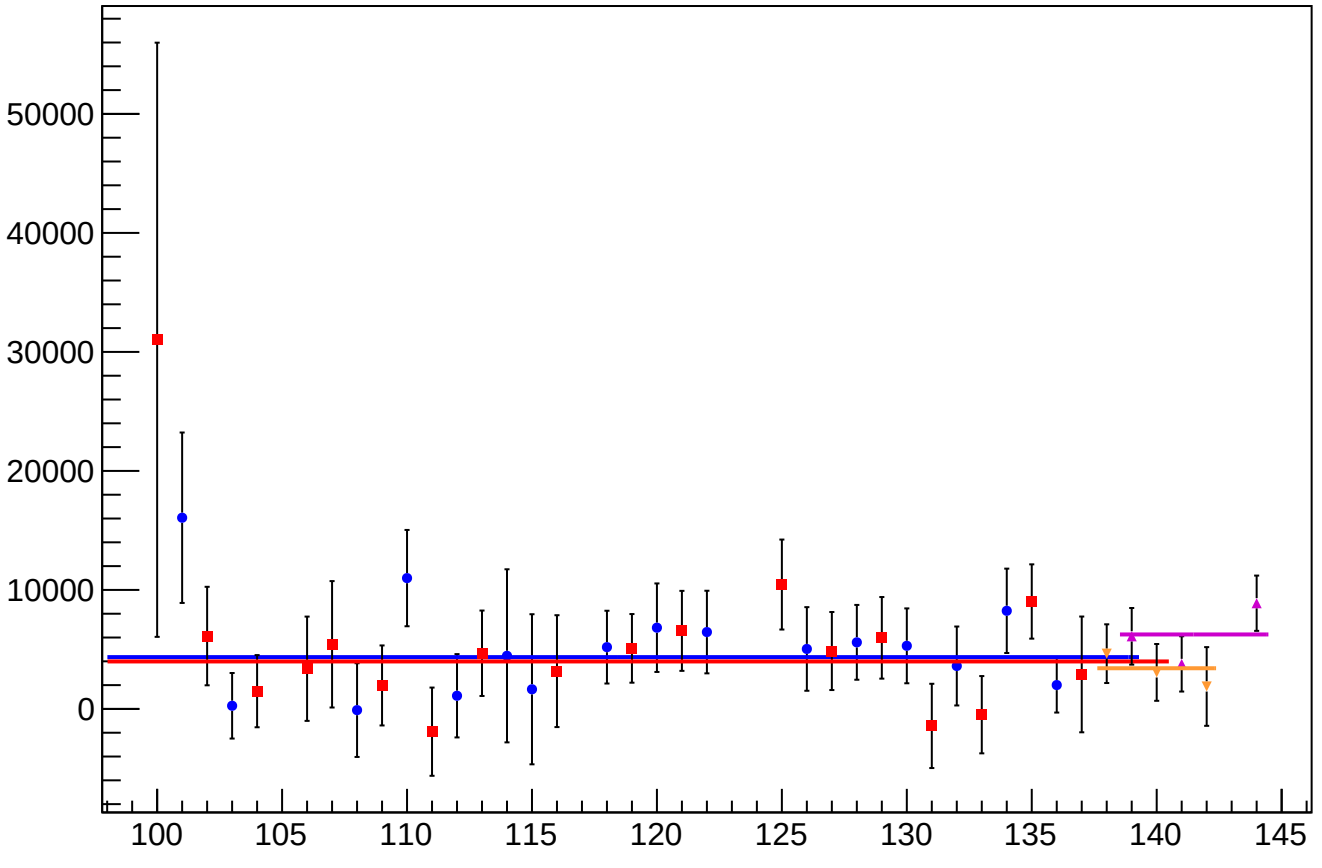
Left: 2489.044+/-0.821 χ^2/NDF: 69334.7/5

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1852.038+/-0.431 χ^2/NDF:1007163.5/18

Out: 1692.978+/-0.420 χ^2/NDF:1957722.5/20

All: 1770.432+/-0.301 χ^2/NDF: 3034794.1/39



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3418.006+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6258.076+/-1351.461 χ^2/NDF:2.4/2

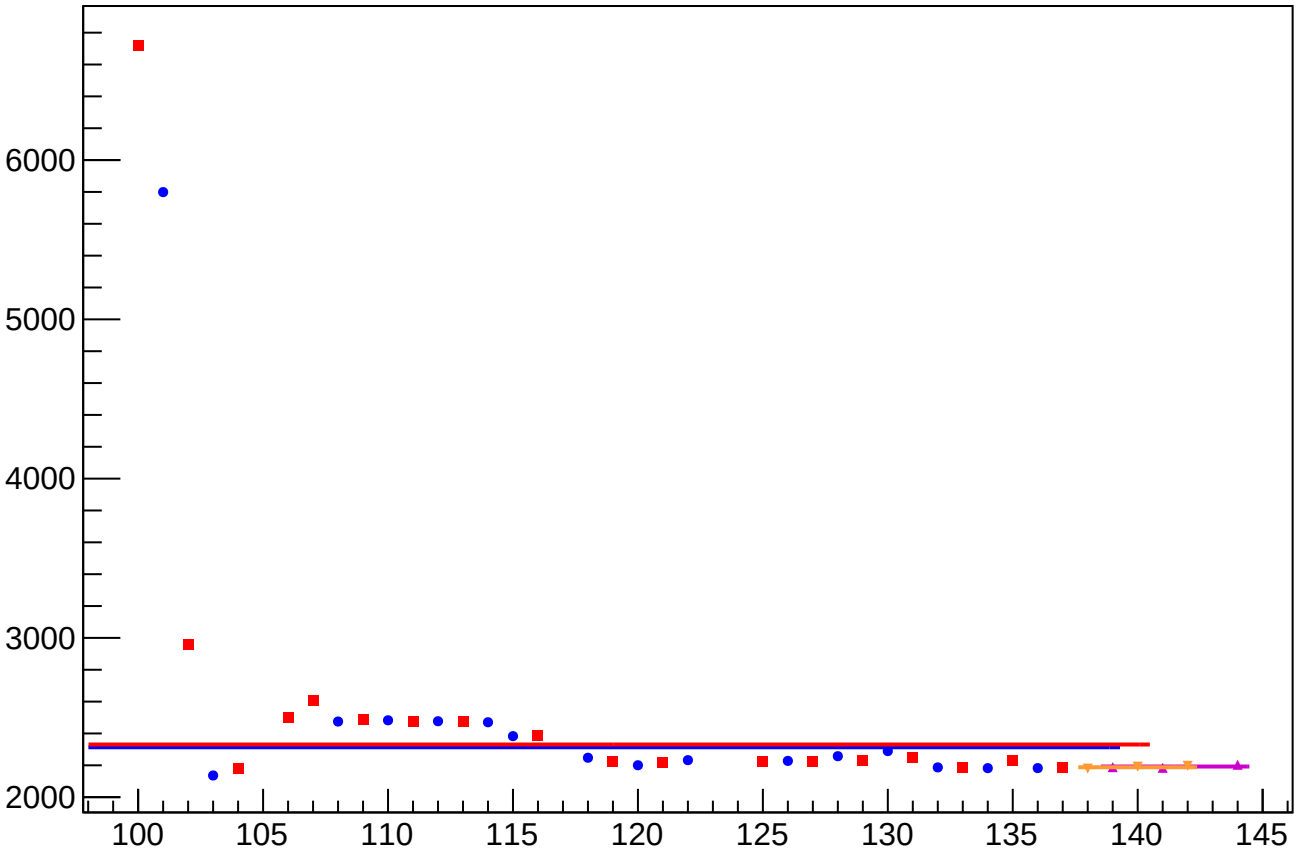
Left: 5006.570+/-1010.745 χ^2/NDF: 4.8/5

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4916.318+/-734.585 χ^2/NDF:17.2/18

Out: 3848.775+/-756.337 χ^2/NDF:16.7/20

All: 4398.118+/-526.952 χ^2/NDF: 34.9/39



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

Left: 2190.396+/-0.715 χ^2/NDF: 127.4/5

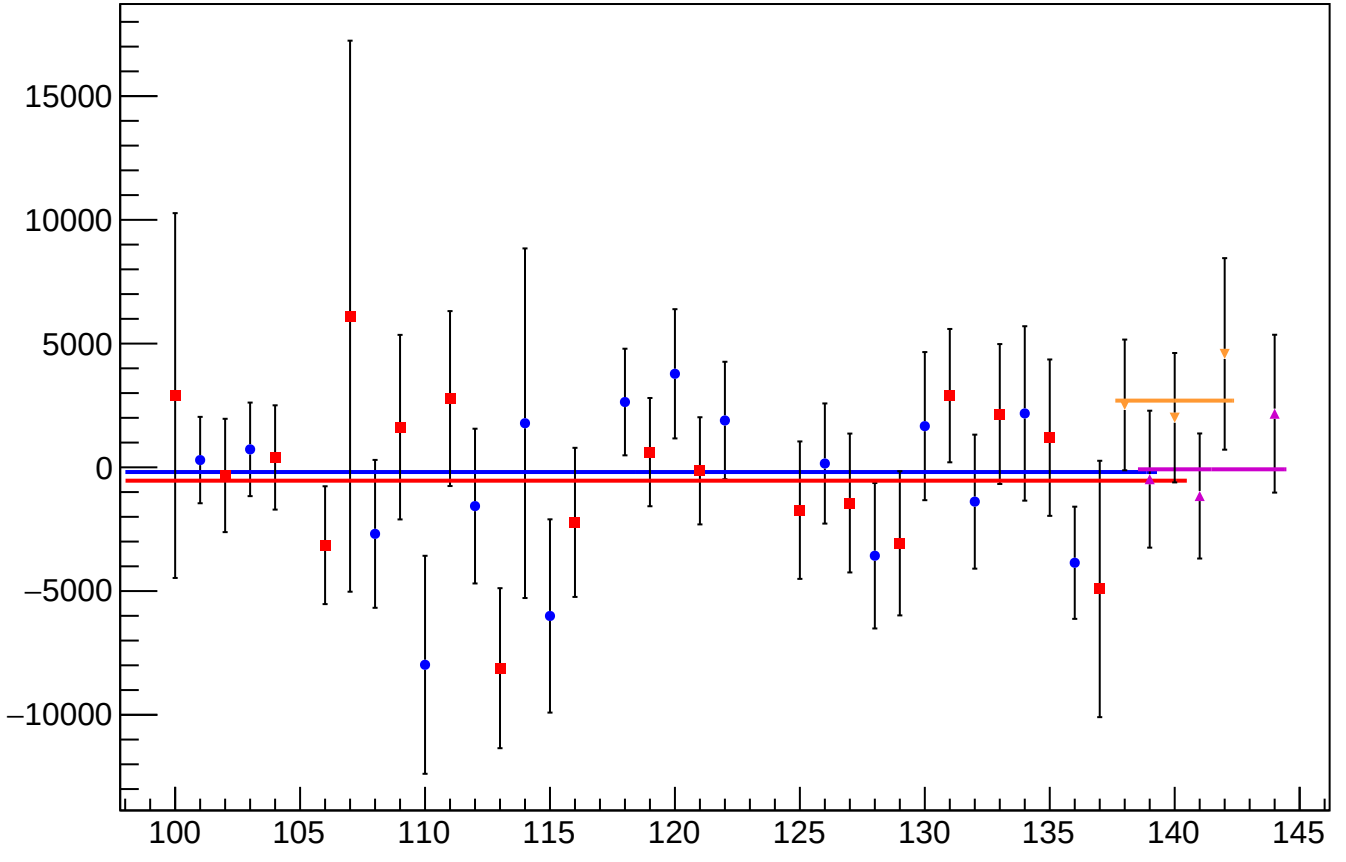
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2277.657+/-0.519 χ^2/NDF:523747.2/18

Out: 2295.358+/-0.535 χ^2/NDF:164832.4/20

All: 2286.249+/-0.373 χ^2/NDF: 689143.3/39

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 2695.810+/-1674.916 χ^2/NDF:0.3/2

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -80.013+/-1610.453 χ^2/NDF:0.7/2

Left: 1253.454+/-1160.883 χ^2/NDF: 2.4/5

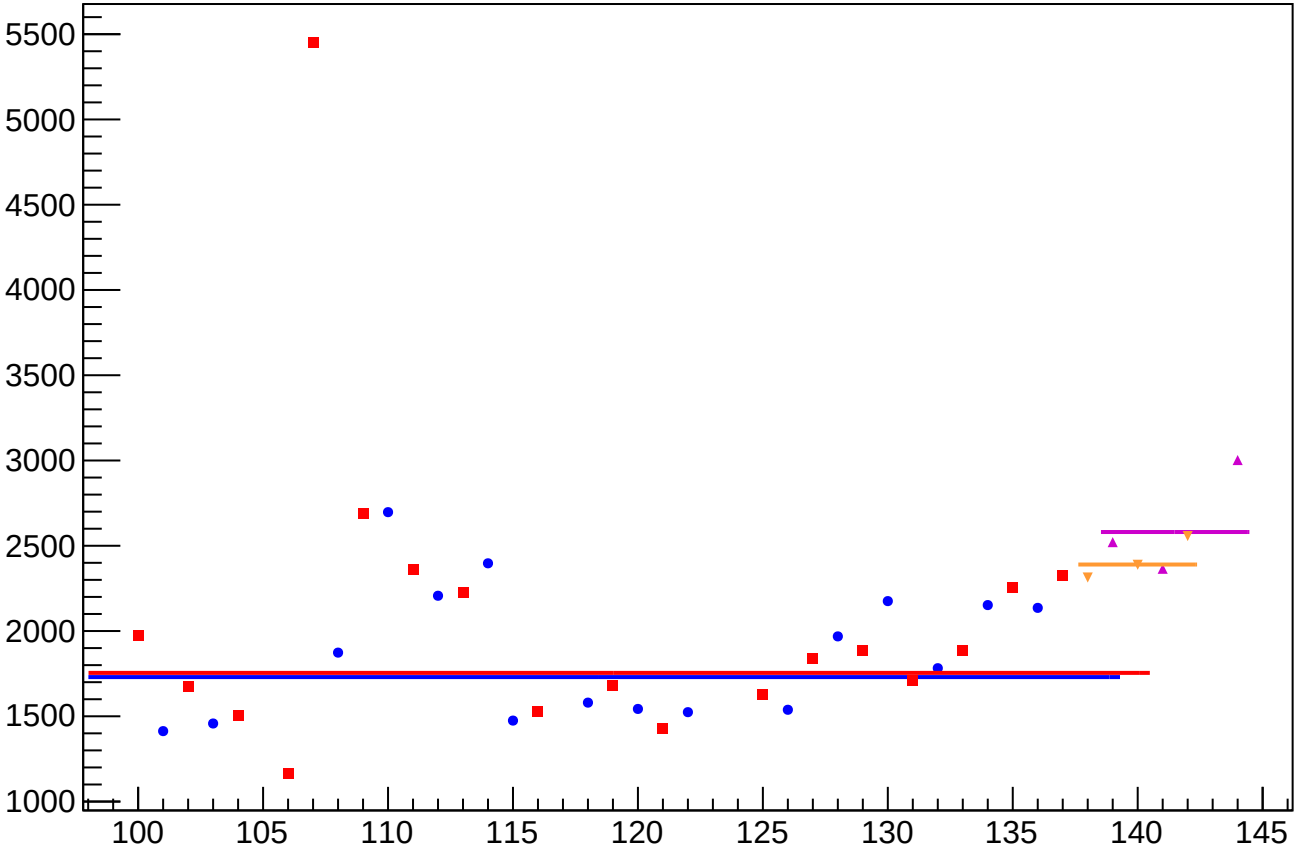
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -174.054+/-609.281 χ^2/NDF:17.1/18

Out: -83.767+/-628.633 χ^2/NDF:17.4/20

All: -130.321+/-437.508 χ^2/NDF: 34.6/39

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: 2389.994+/-1.184 χ^2/NDF:5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2580.610+/-1.139 χ^2/NDF:50496.8/2

Left: 2489.041+/-0.821 χ^2/NDF: 69336.9/5

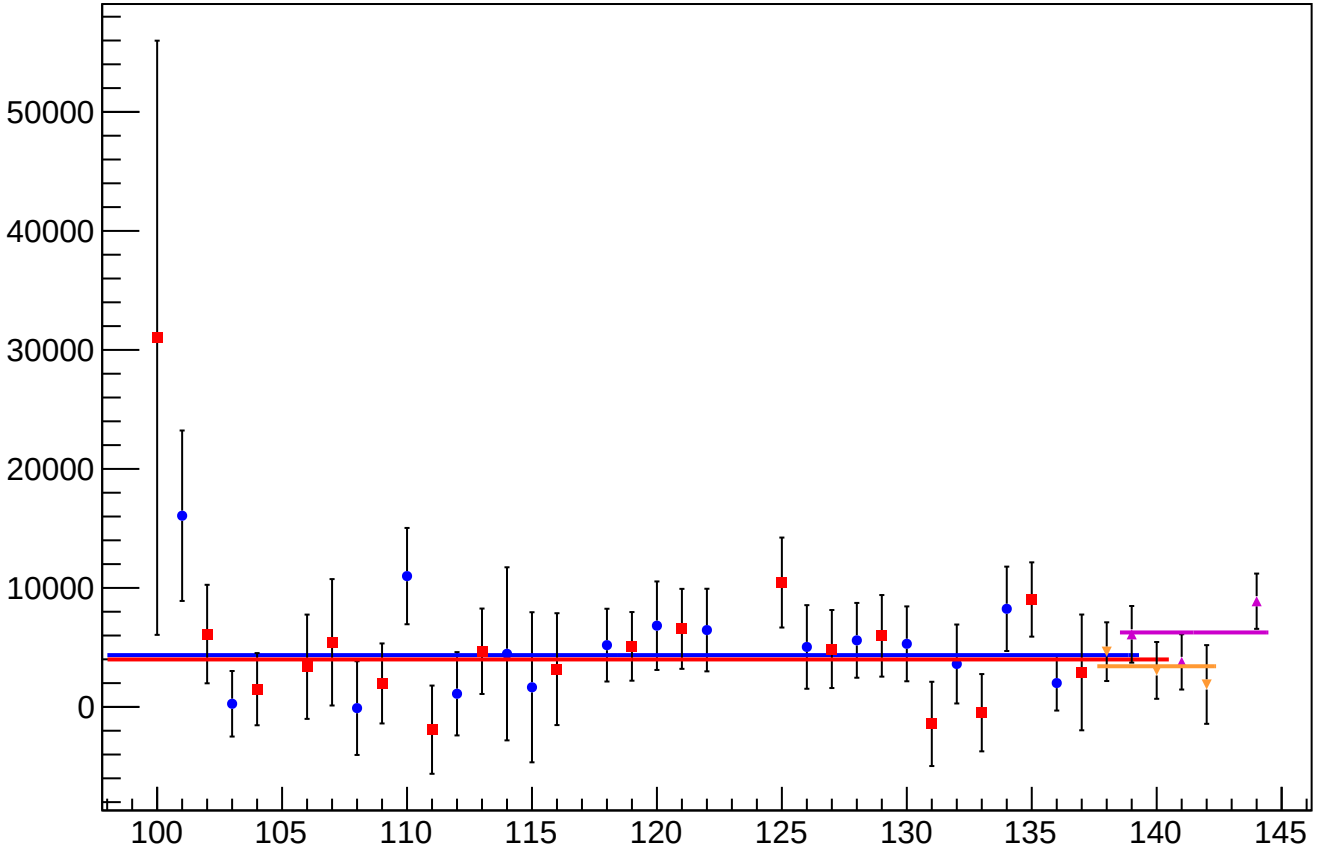
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1851.663+/-0.431 χ^2/NDF:1008597.8/18

Out: 1844.043+/-0.445 χ^2/NDF:1003728.2/20

All: 1847.972+/-0.309 χ^2/NDF: 2012477.5/39

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3418.006+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6258.076+/-1351.461 χ^2/NDF:2.4/2

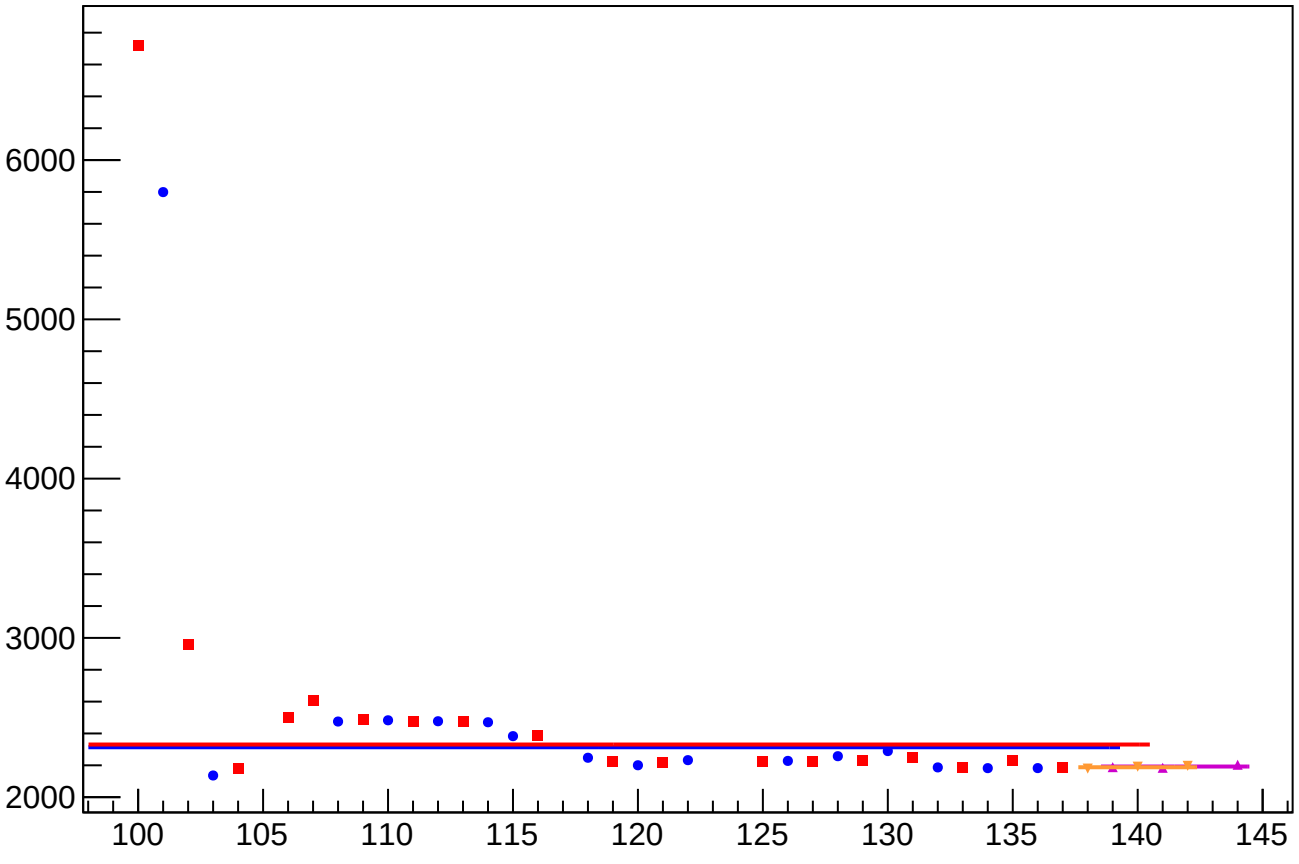
Left: 5006.570+/-1010.745 χ^2/NDF: 4.8/5

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4916.318+/-734.585 χ^2/NDF:17.2/18

Out: 3848.775+/-756.337 χ^2/NDF:16.7/20

All: 4398.118+/-526.952 χ^2/NDF: 34.9/39



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.390+/-0.956 χ^2/NDF:75.0/2

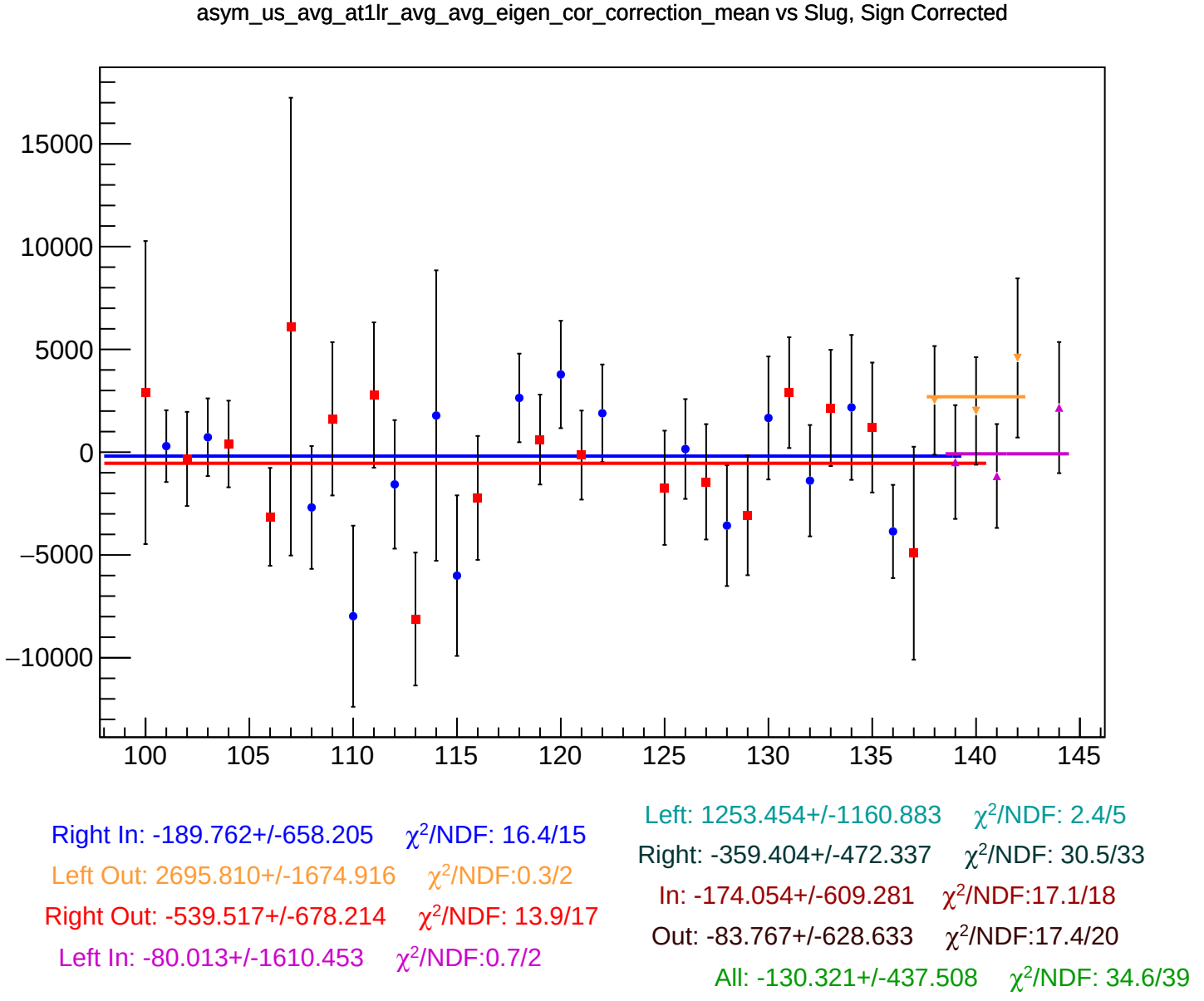
Left: 2190.396+/-0.715 χ^2/NDF: 127.4/5

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2277.657+/-0.519 χ^2/NDF:523747.2/18

Out: 2295.358+/-0.535 χ^2/NDF:164832.4/20

All: 2286.249+/-0.373 χ^2/NDF: 689143.3/39


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
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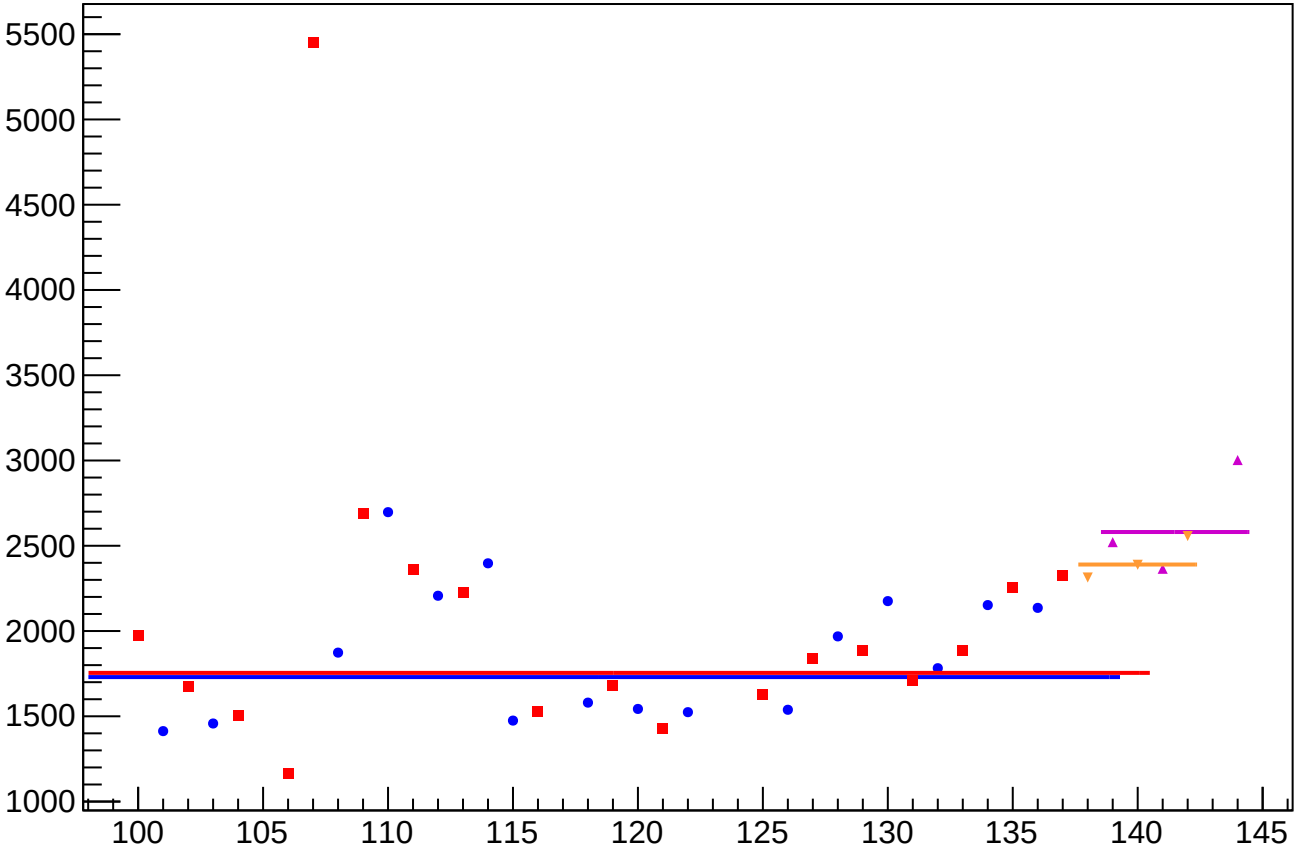
120
125
130
135
140
145
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2695.810+/-1674.916 χ²/NDF:0.3/2
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -80.013+/-1610.453 χ²/NDF:0.7/2
Left: 1253.454+/-1160.883 χ²/NDF: 2.4/5
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -174.054+/-609.281 χ²/NDF:17.1/18
Out: -83.767+/-628.633 χ²/NDF:17.4/20
All: -130.321+/-437.508 χ²/NDF: 34.6/39

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: 2389.994+/-1.184 χ^2/NDF:5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2580.610+/-1.139 χ^2/NDF:50496.8/2

Left: 2489.041+/-0.821 χ^2/NDF: 69336.9/5

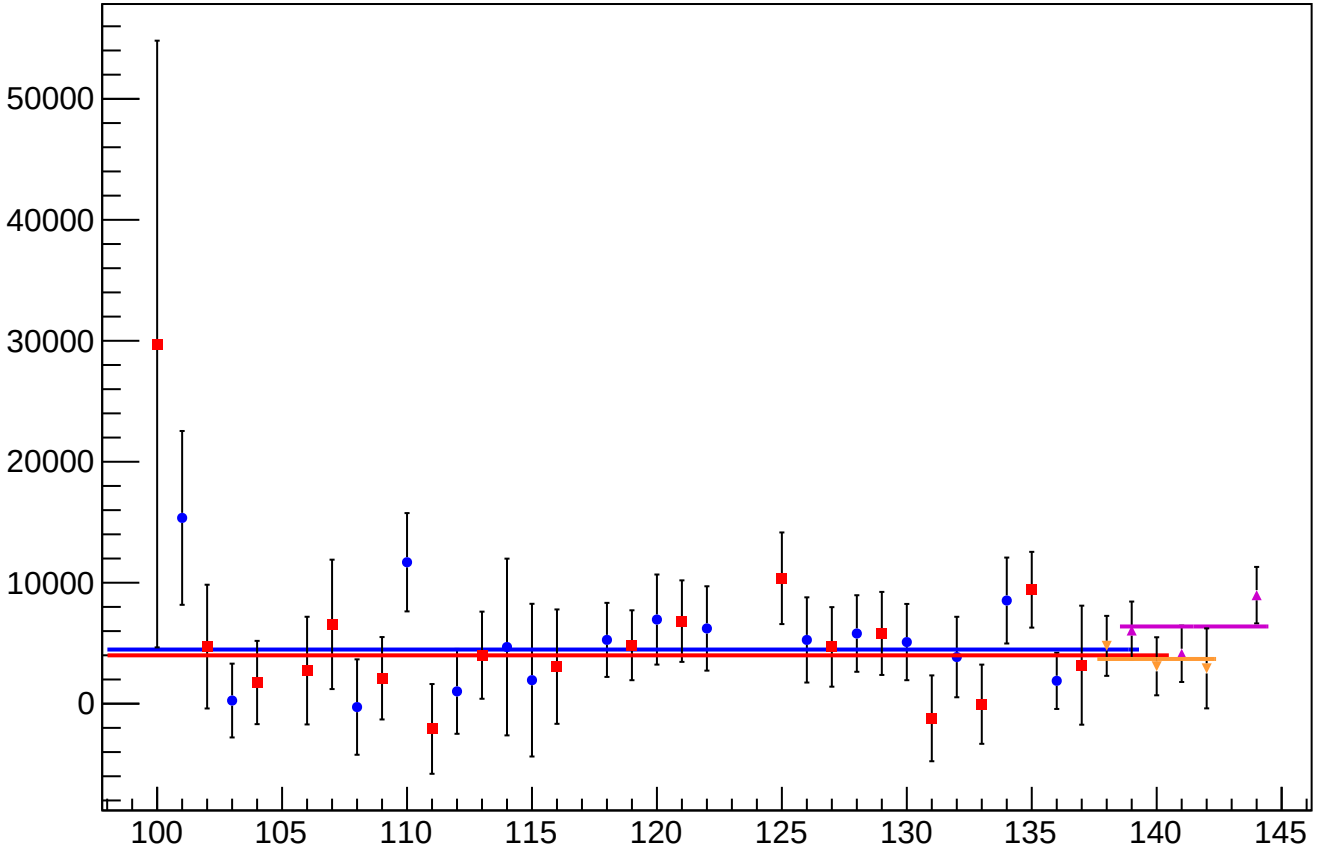
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1851.663+/-0.431 χ^2/NDF:1008597.8/18

Out: 1844.043+/-0.445 χ^2/NDF:1003728.2/20

All: 1847.972+/-0.309 χ^2/NDF: 2012477.5/39

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3696.761+/-1528.781 χ^2/NDF:0.3/2

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 6383.218+/-1357.652 χ^2/NDF:2.2/2

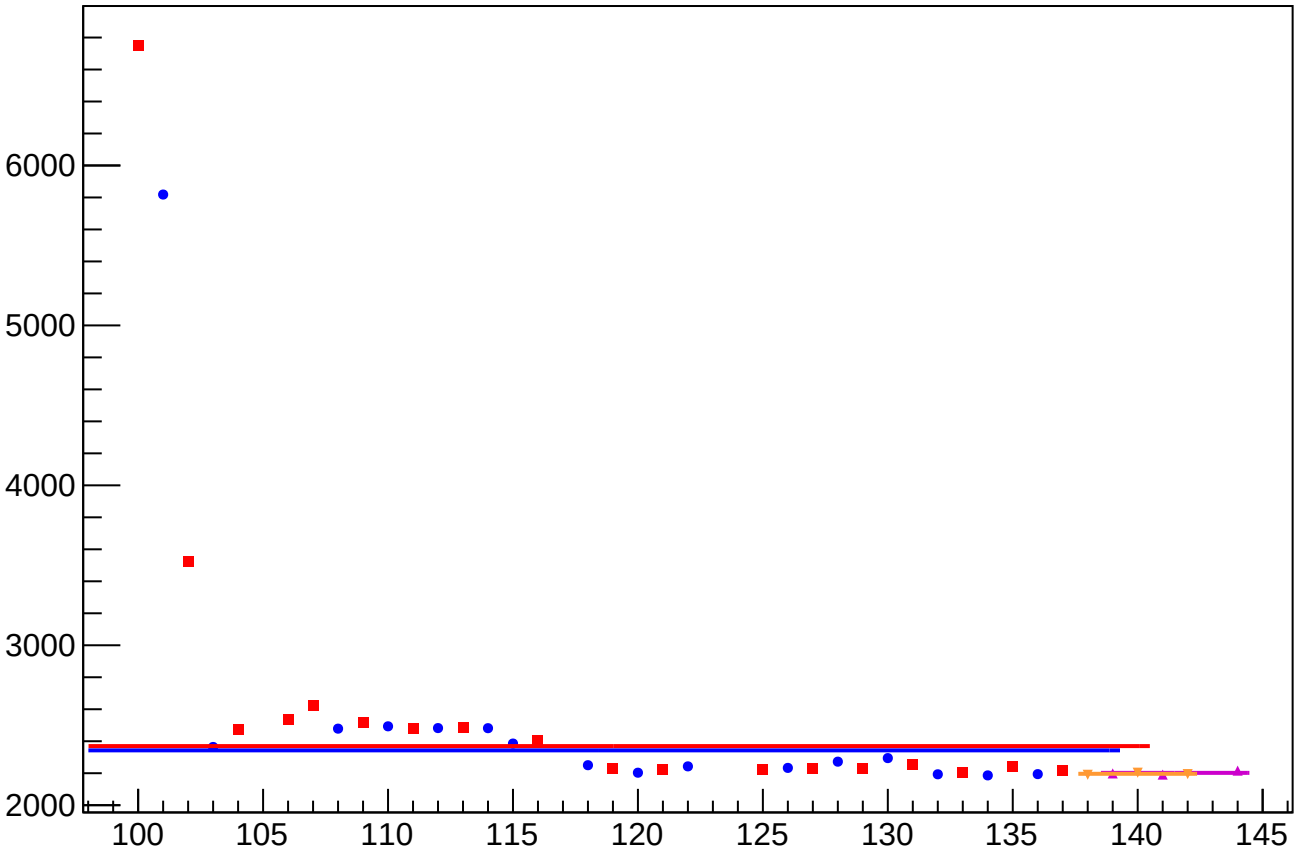
Left: 5198.705+/-1015.138 χ^2/NDF: 4.2/5

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 5046.029+/-742.030 χ^2/NDF:17.1/18

Out: 3920.054+/-769.439 χ^2/NDF:15.8/20

All: 4503.454+/-534.122 χ^2/NDF: 34.1/39



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.327+/-1.081 χ^2/NDF:29.7/2

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2202.173+/-0.960 χ^2/NDF:119.2/2

Left: 2199.596+/-0.718 χ^2/NDF: 165.2/5

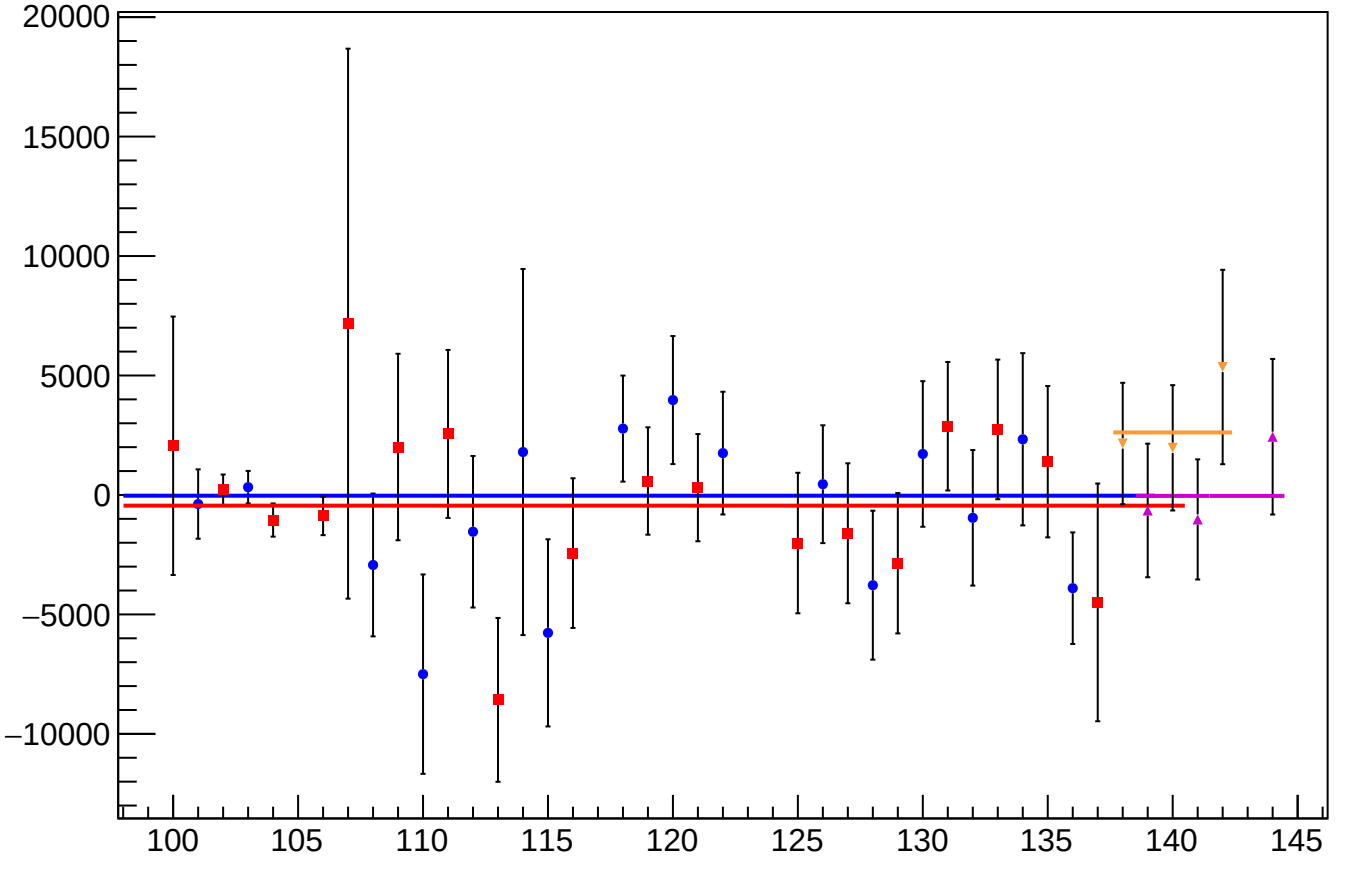
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2300.872+/-0.525 χ^2/NDF:518057.9/18

Out: 2325.687+/-0.544 χ^2/NDF:229355.1/20

All: 2312.830+/-0.378 χ^2/NDF: 748490.9/39

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 2616.717+/-1665.385 χ^2/NDF:0.5/2

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -39.869+/-1621.418 χ^2/NDF:0.8/2

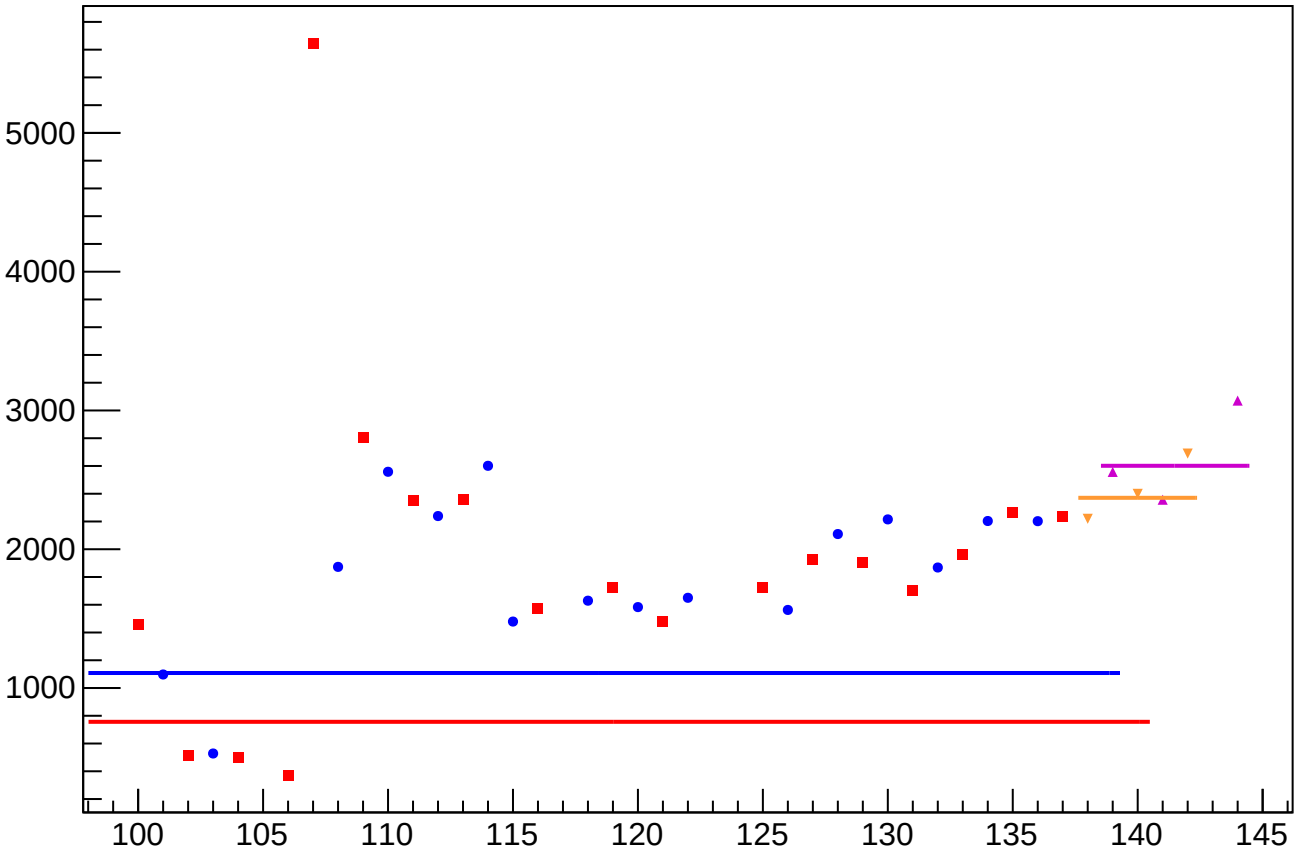
Left: 1252.894+/-1161.749 χ^2/NDF: 2.6/5

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -32.090+/-464.947 χ^2/NDF:17.1/18

Out: -309.563+/-354.272 χ^2/NDF:18.9/20

All: -207.641+/-281.791 χ^2/NDF: 36.2/39



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2370.622+/-1.178 χ^2/NDF:19595.7/2

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2601.358+/-1.147 χ^2/NDF:61032.8/2

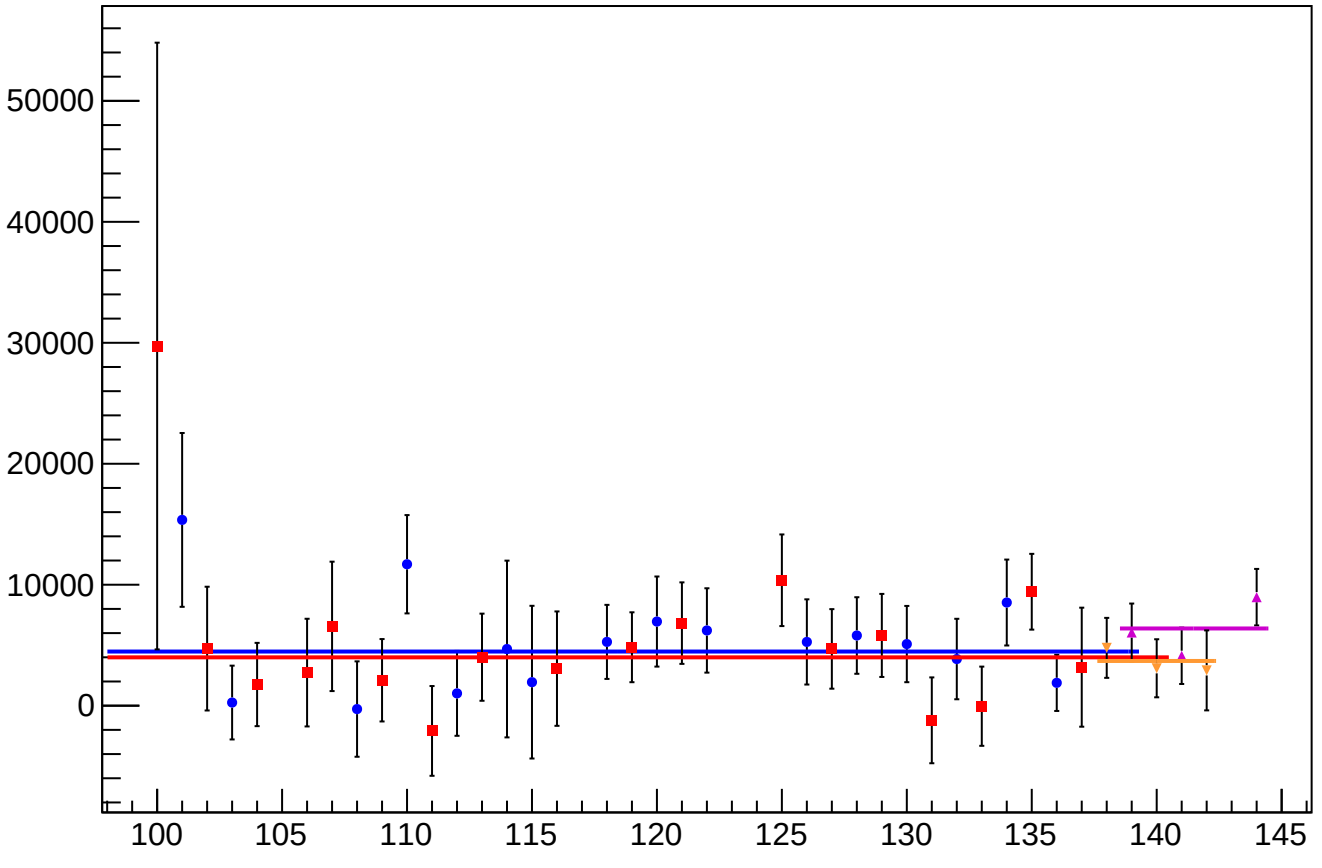
Left: 2489.076+/-0.821 χ^2/NDF: 100337.5/5

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1230.923+/-0.329 χ^2/NDF:5364269.9/18

Out: 829.466+/-0.251 χ^2/NDF:7416742.1/20

All: 976.930+/-0.199 χ^2/NDF: 13724384.8/39



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3696.766+/-1528.781 χ^2/NDF:0.3/2

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 6383.217+/-1357.652 χ^2/NDF:2.2/2

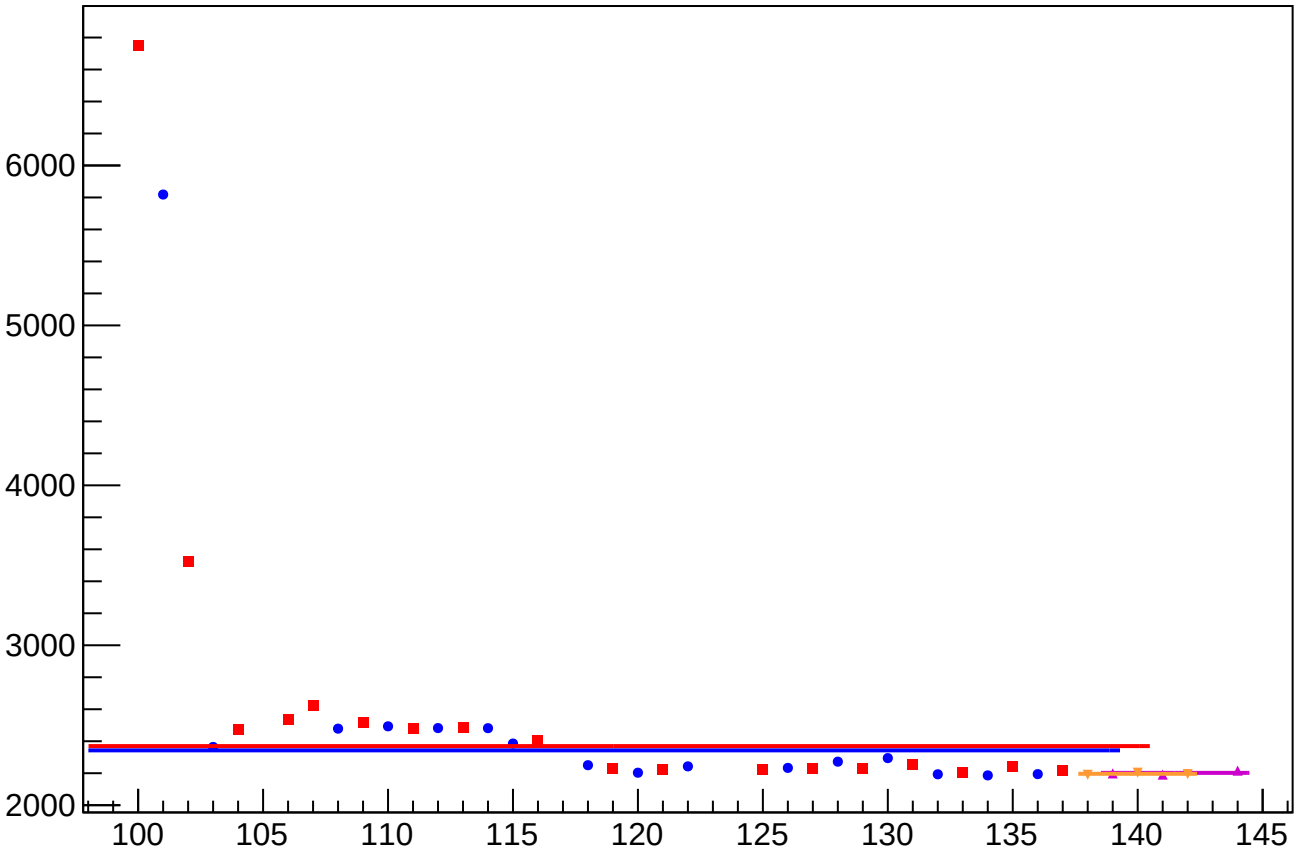
Left: 5198.707+/-1015.138 χ^2/NDF: 4.2/5

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 5046.026+/-742.030 χ^2/NDF:17.1/18

Out: 3920.053+/-769.439 χ^2/NDF:15.8/20

All: 4503.451+/-534.121 χ^2/NDF: 34.1/39



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.327+/-1.081 χ^2/NDF:29.7/2

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2202.173+/-0.960 χ^2/NDF:119.2/2

Left: 2199.596+/-0.718 χ^2/NDF: 165.2/5

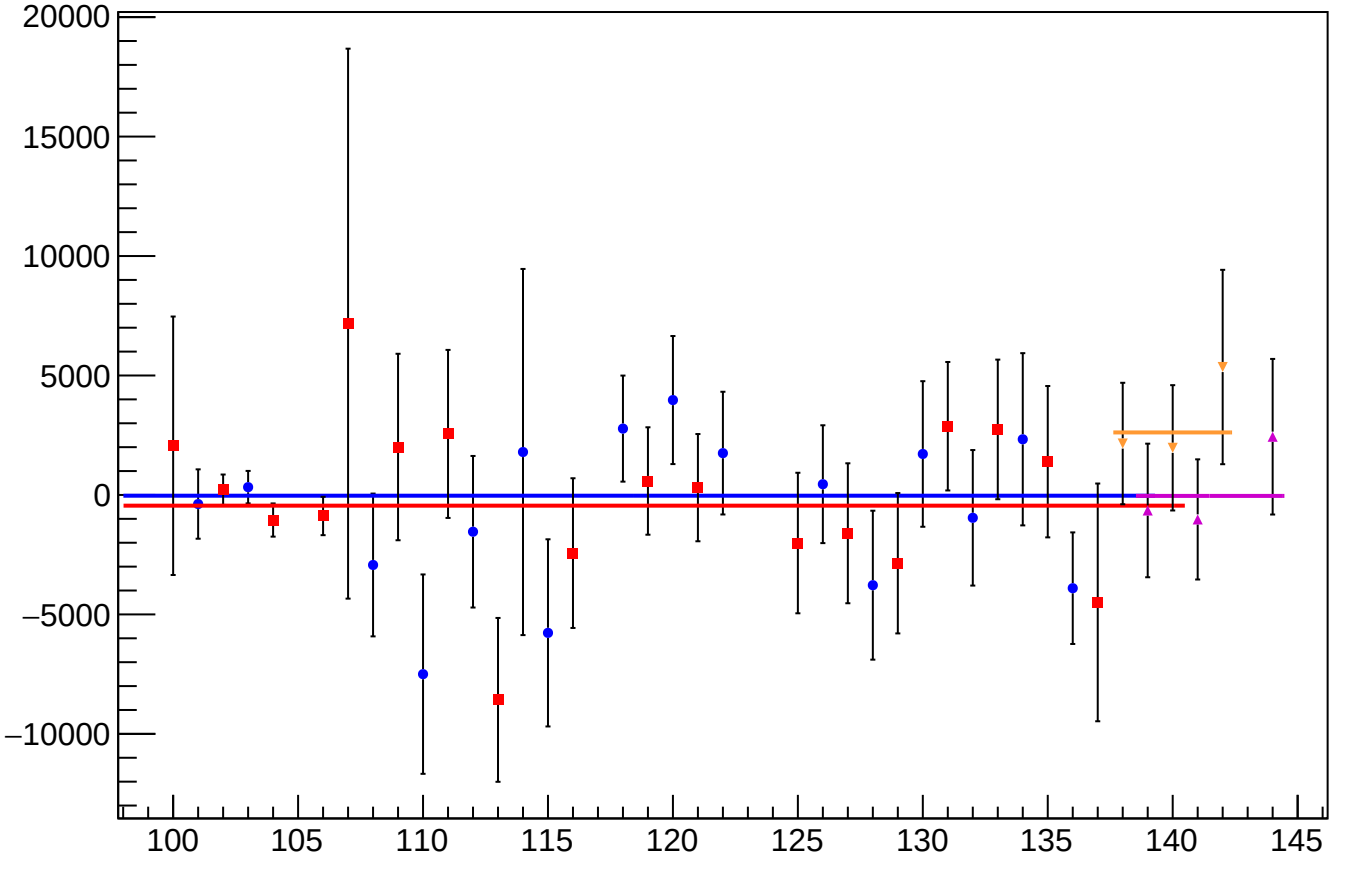
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2300.871+/-0.525 χ^2/NDF:518057.8/18

Out: 2325.687+/-0.544 χ^2/NDF:229353.9/20

All: 2312.829+/-0.378 χ^2/NDF: 748489.6/39

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 2616.724+/-1665.388 χ^2/NDF:0.5/2

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -39.872+/-1621.421 χ^2/NDF:0.8/2

Left: 1252.895+/-1161.751 χ^2/NDF: 2.6/5

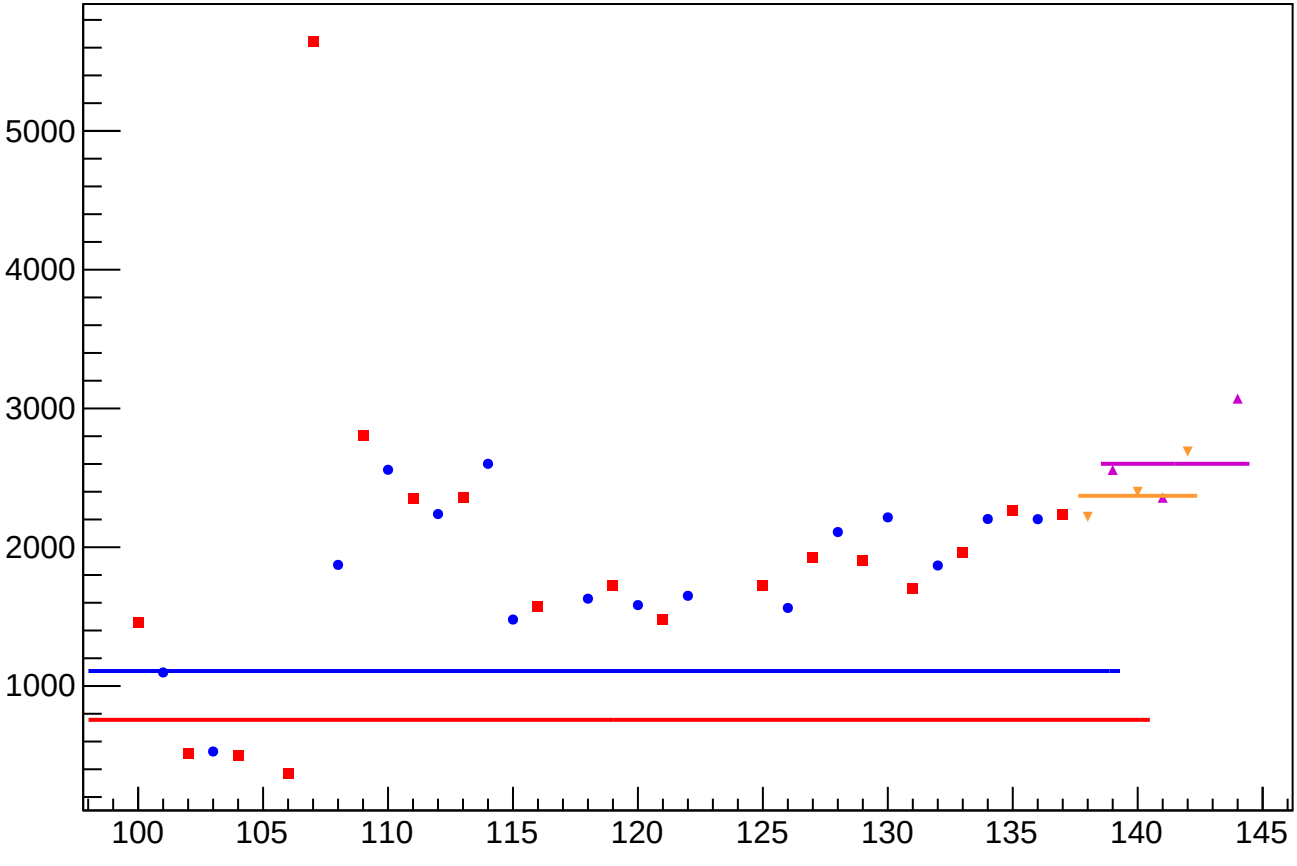
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -32.096+/-464.949 χ^2/NDF:17.1/18

Out: -309.563+/-354.276 χ^2/NDF:18.9/20

All: -207.642+/-281.794 χ^2/NDF: 36.2/39

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: 2370.626+/-1.178 χ^2/NDF:19595.8/2

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2601.362+/-1.147 χ^2/NDF:61033.1/2

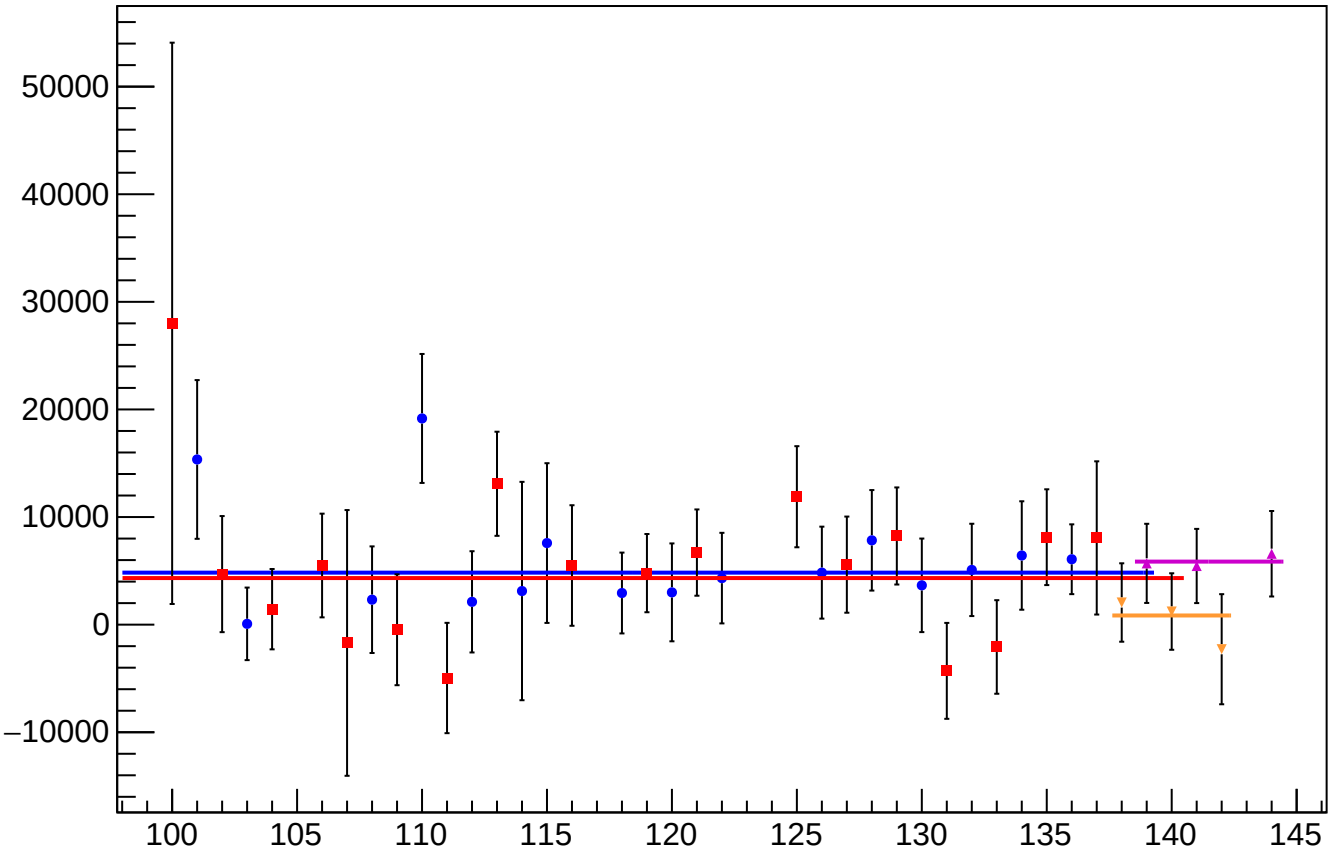
Left: 2489.080+/-0.821 χ^2/NDF: 100337.8/5

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1230.933+/-0.329 χ^2/NDF:5364177.5/18

Out: 829.482+/-0.251 χ^2/NDF:7416591.3/20

All: 976.946+/-0.199 χ^2/NDF: 13724098.9/39



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 852.294+/-2278.214 χ^2/NDF:0.5/2

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5858.466+/-2125.124 χ^2/NDF:0.0/2

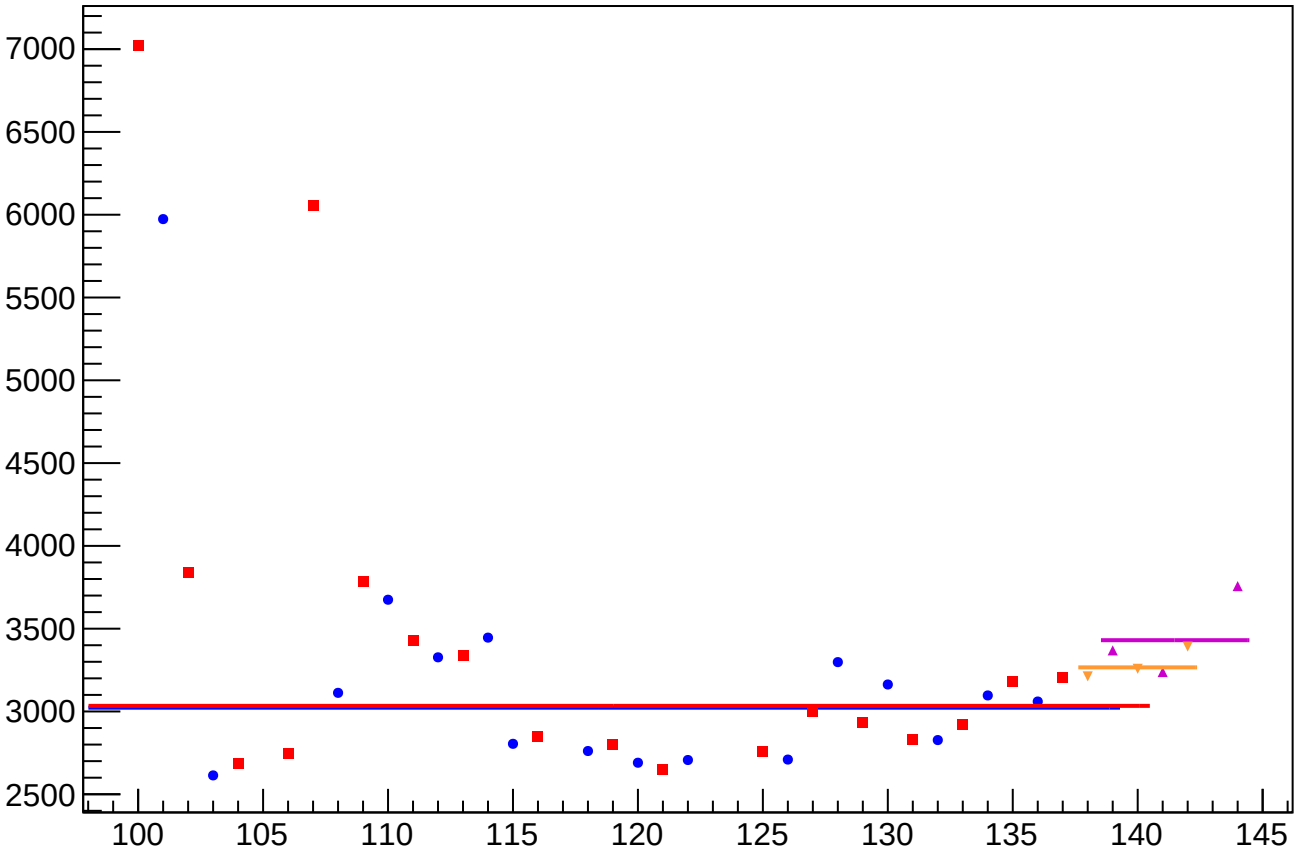
Left: 3529.218+/-1553.994 χ^2/NDF: 3.1/5

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 5063.570+/-1006.317 χ^2/NDF:11.9/18

Out: 3628.030+/-1022.731 χ^2/NDF:22.3/20

All: 4357.412+/-717.306 χ^2/NDF: 35.2/39



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3266.281+/-1.611 χ^2/NDF:1663.1/2

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3430.415+/-1.503 χ^2/NDF:20297.0/2

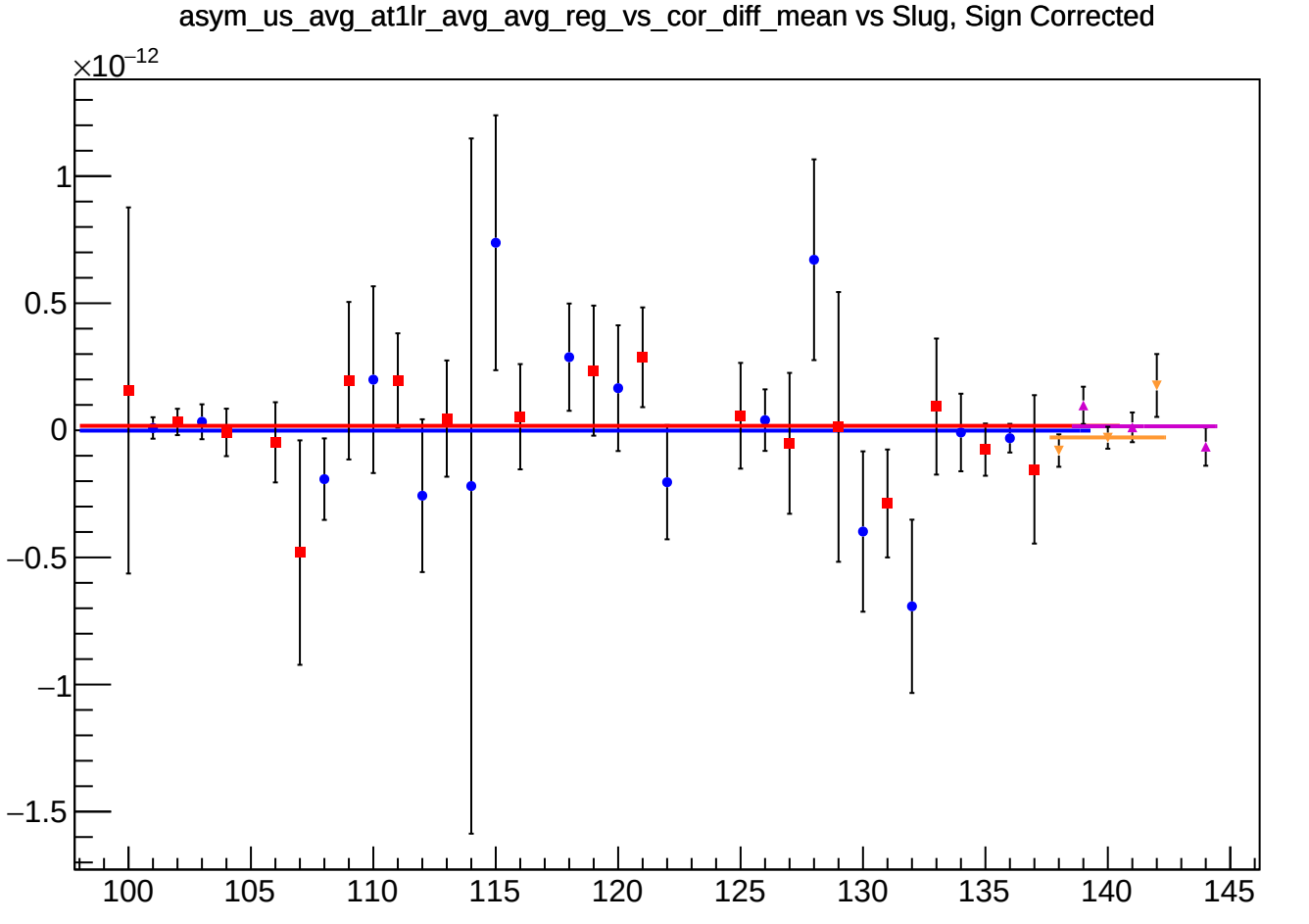
Left: 3354.048+/-1.099 χ^2/NDF: 27511.1/5

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3114.409+/-0.712 χ^2/NDF:521008.9/18

Out: 3080.706+/-0.723 χ^2/NDF:360957.4/20

All: 3097.830+/-0.507 χ^2/NDF: 883069.9/39



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

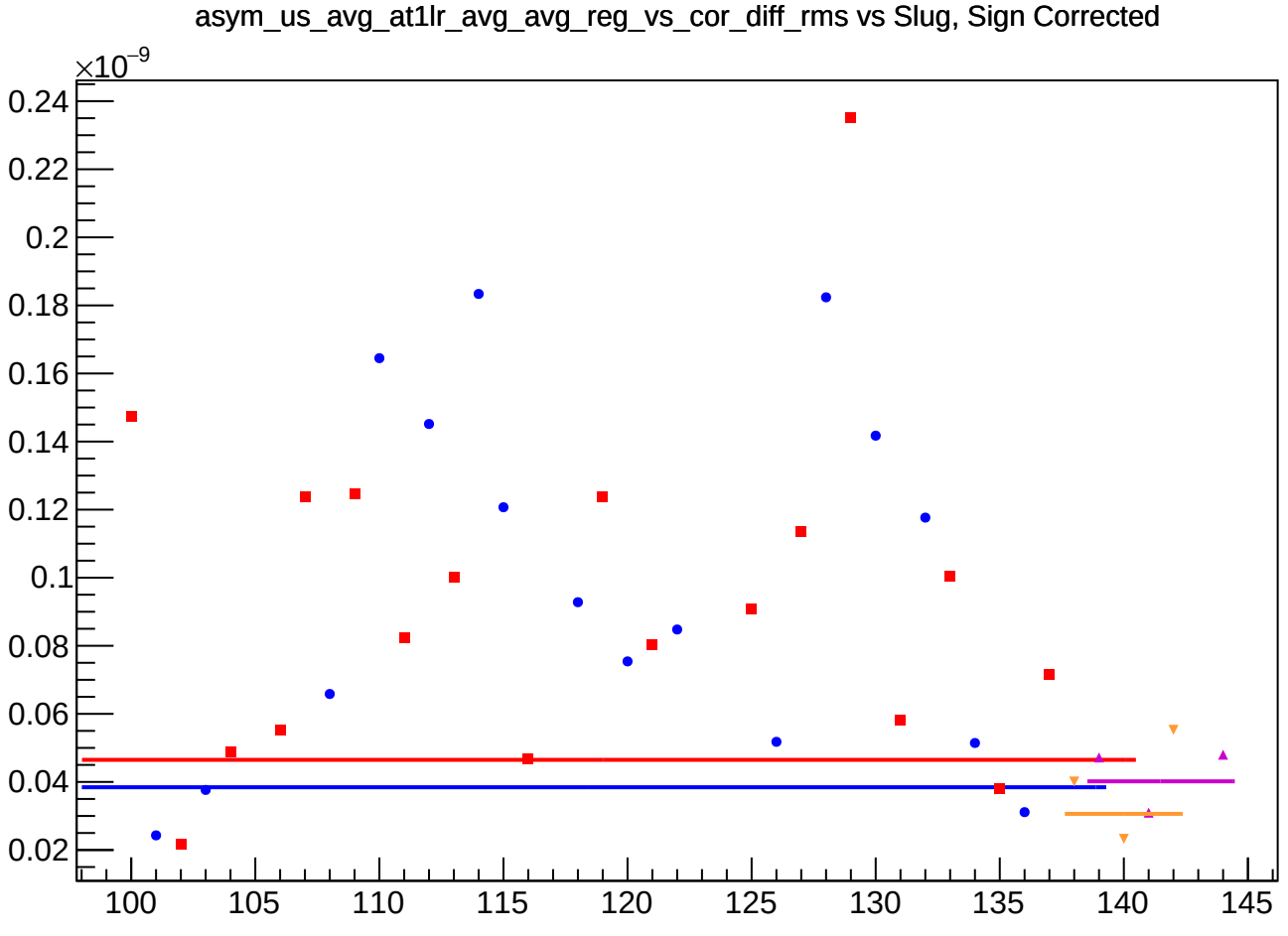
Left: -0.000+/-0.000 χ^2/NDF: 6.5/5

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:19.6/18

Out: -0.000+/-0.000 χ^2/NDF:13.2/20

All: -0.000+/-0.000 χ^2/NDF: 33.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:181912.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:89553.7/2

Left: 0.000+/-0.000 χ^2/NDF: 339031.2/5

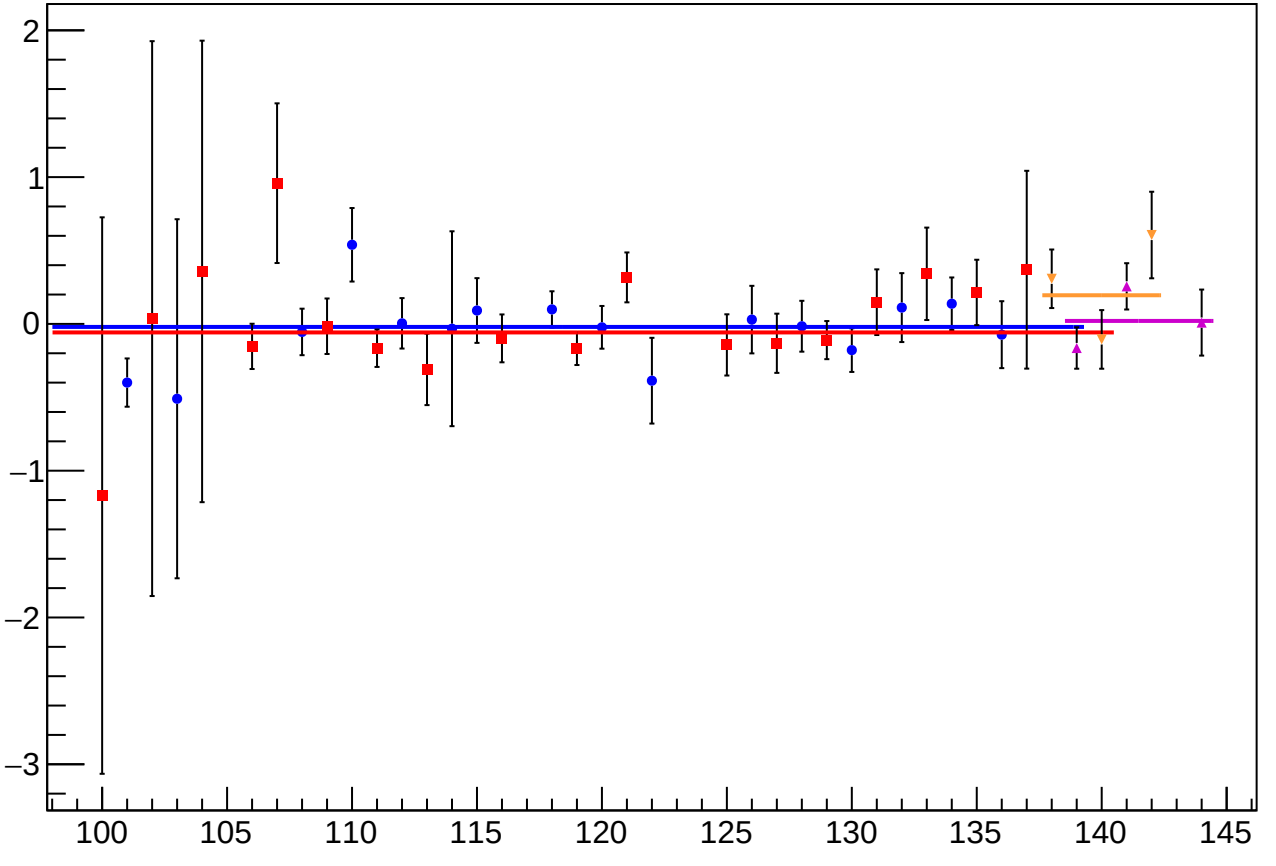
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:1863618.0/18

Out: 0.000+/-0.000 χ^2/NDF:2091707.7/20

All: 0.000+/-0.000 χ^2/NDF: 3955778.1/39

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: 0.195+/-0.127 χ^2/NDF:4.5/2

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.020+/-0.095 χ^2/NDF:3.9/2

Left: 0.083+/-0.076 χ^2/NDF: 9.7/5

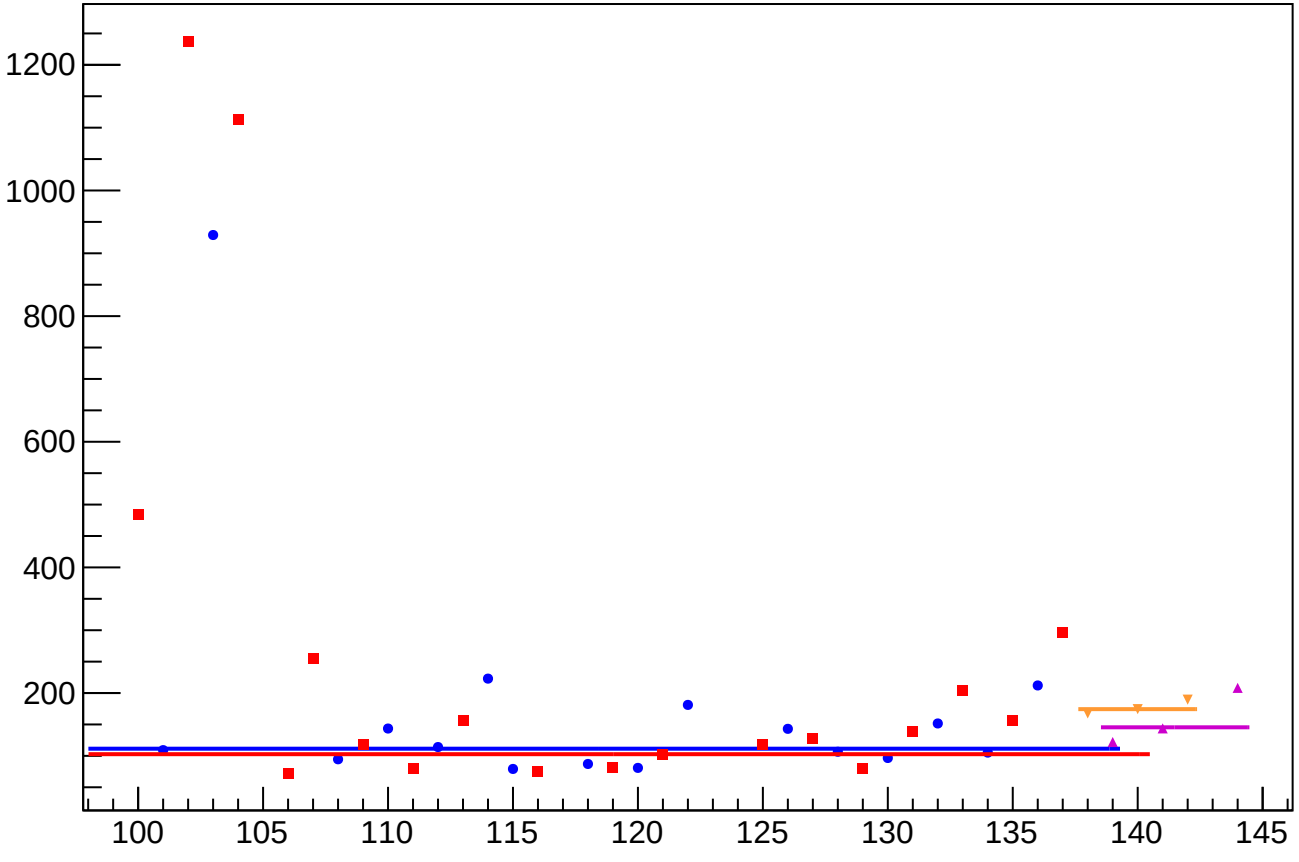
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.043 χ^2/NDF:19.7/18

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.020+/-0.030 χ^2/NDF: 44.6/39

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: 174.378+/-0.090 χ^2/NDF:7643.0/2

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 145.450+/-0.067 χ^2/NDF:211088.9/2

Left: 155.839+/-0.054 χ^2/NDF: 284939.3/5

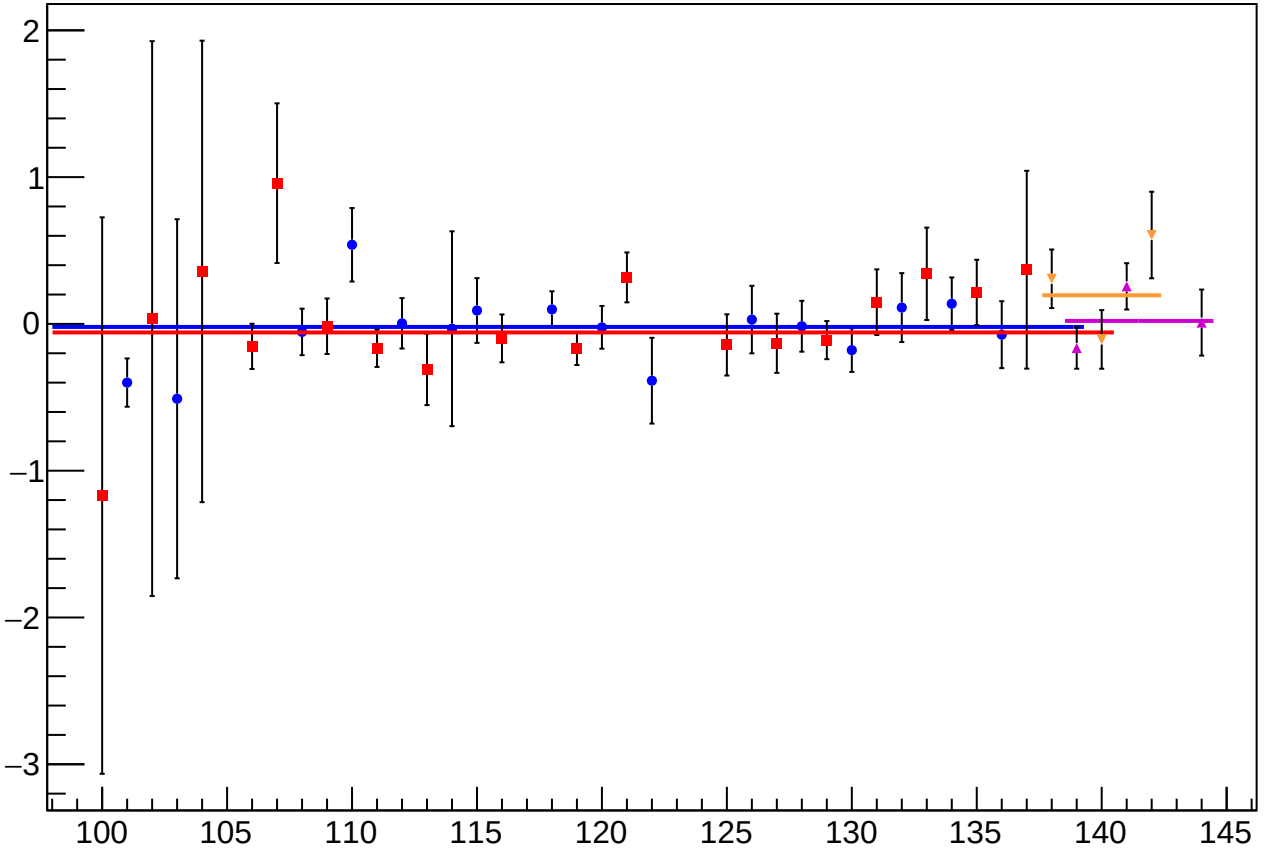
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 118.212+/-0.030 χ^2/NDF:2254724.9/18

Out: 111.085+/-0.031 χ^2/NDF:3394783.7/20

All: 114.731+/-0.022 χ^2/NDF: 5676850.7/39

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: 0.195+/-0.127 χ^2/NDF:4.5/2

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.020+/-0.095 χ^2/NDF:3.9/2

Left: 0.083+/-0.076 χ^2/NDF: 9.7/5

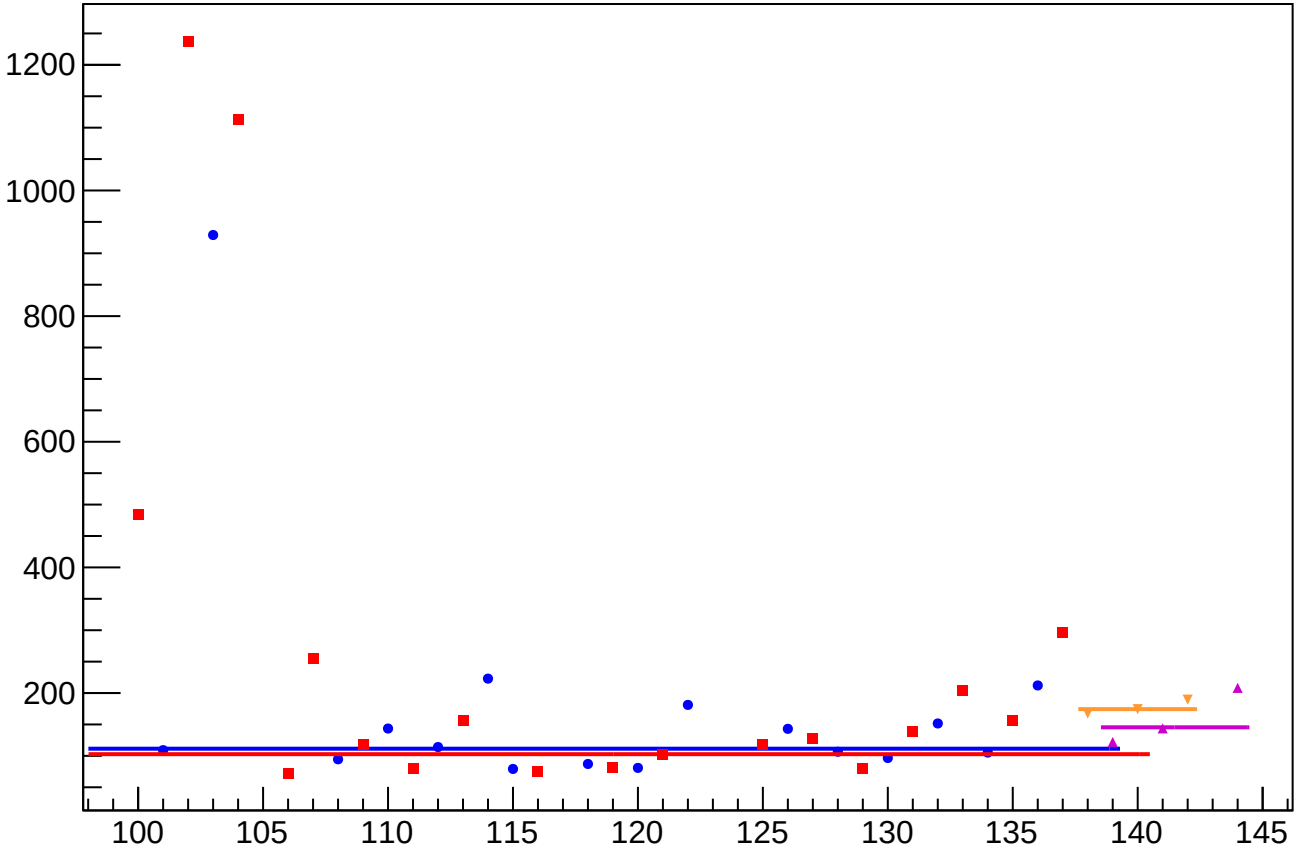
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.043 χ^2/NDF:19.7/18

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.020+/-0.030 χ^2/NDF: 44.6/39

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: 174.378+/-0.090 χ^2/NDF:7643.0/2

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 145.450+/-0.067 χ^2/NDF:211088.9/2

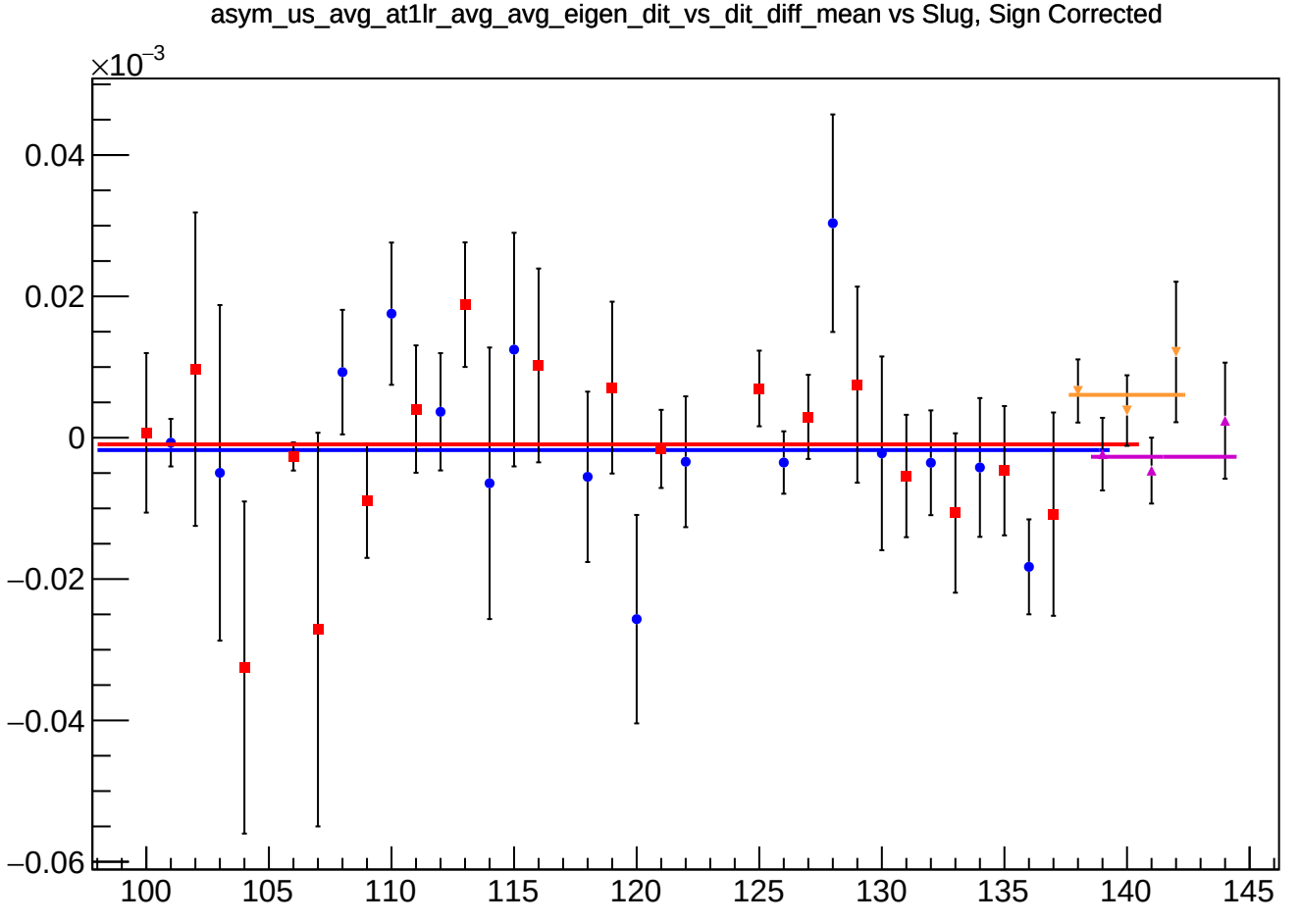
Left: 155.839+/-0.054 χ^2/NDF: 284939.3/5

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 118.212+/-0.030 χ^2/NDF:2254724.9/18

Out: 111.085+/-0.031 χ^2/NDF:3394783.7/20

All: 114.731+/-0.022 χ^2/NDF: 5676850.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.6/2

Left: 0.000+/-0.000 χ^2/NDF: 5.0/5

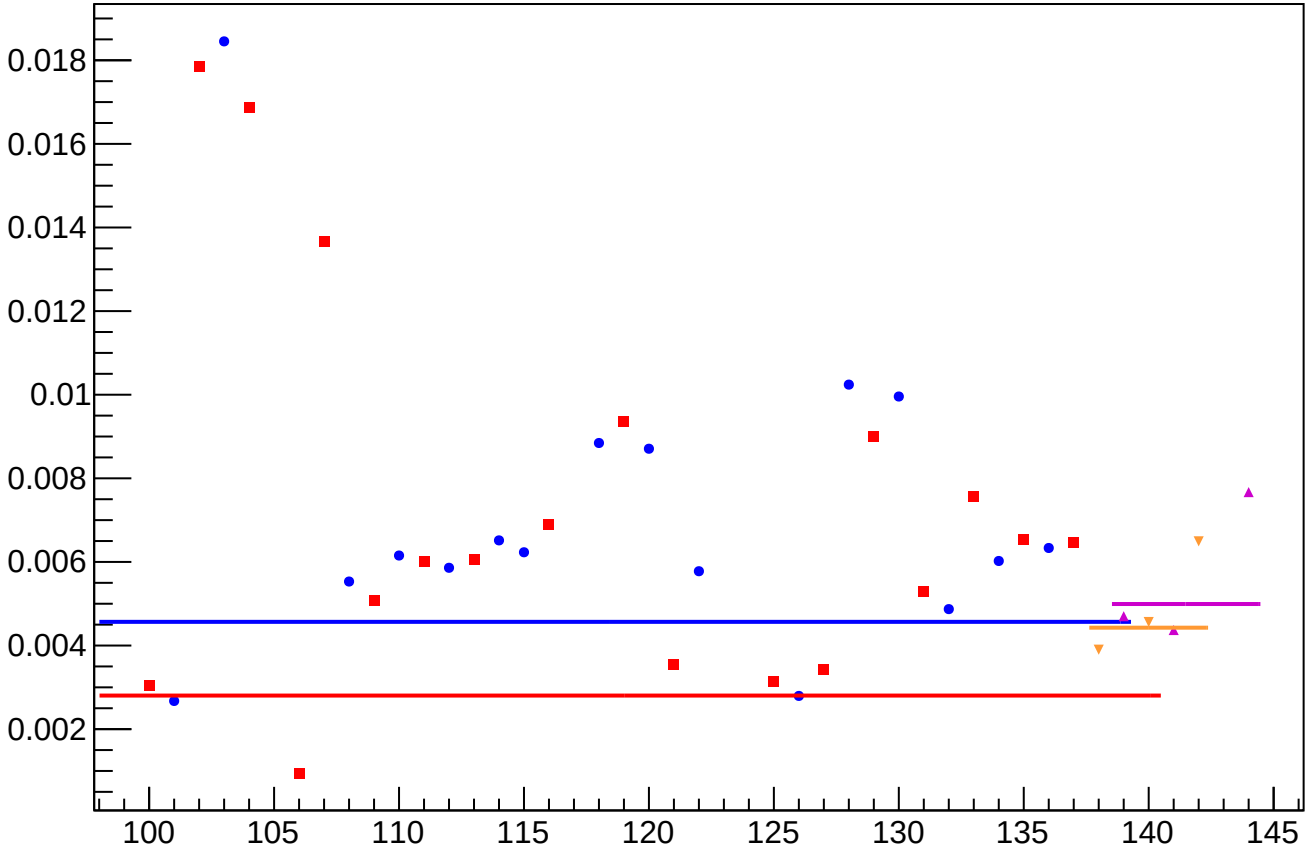
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:20.7/18

Out: 0.000+/-0.000 χ^2/NDF:20.4/20

All: -0.000+/-0.000 χ^2/NDF: 42.2/39

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:115551.7/2

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:254599.8/2

Left: 0.005+/-0.000 χ^2/NDF: 402062.8/5

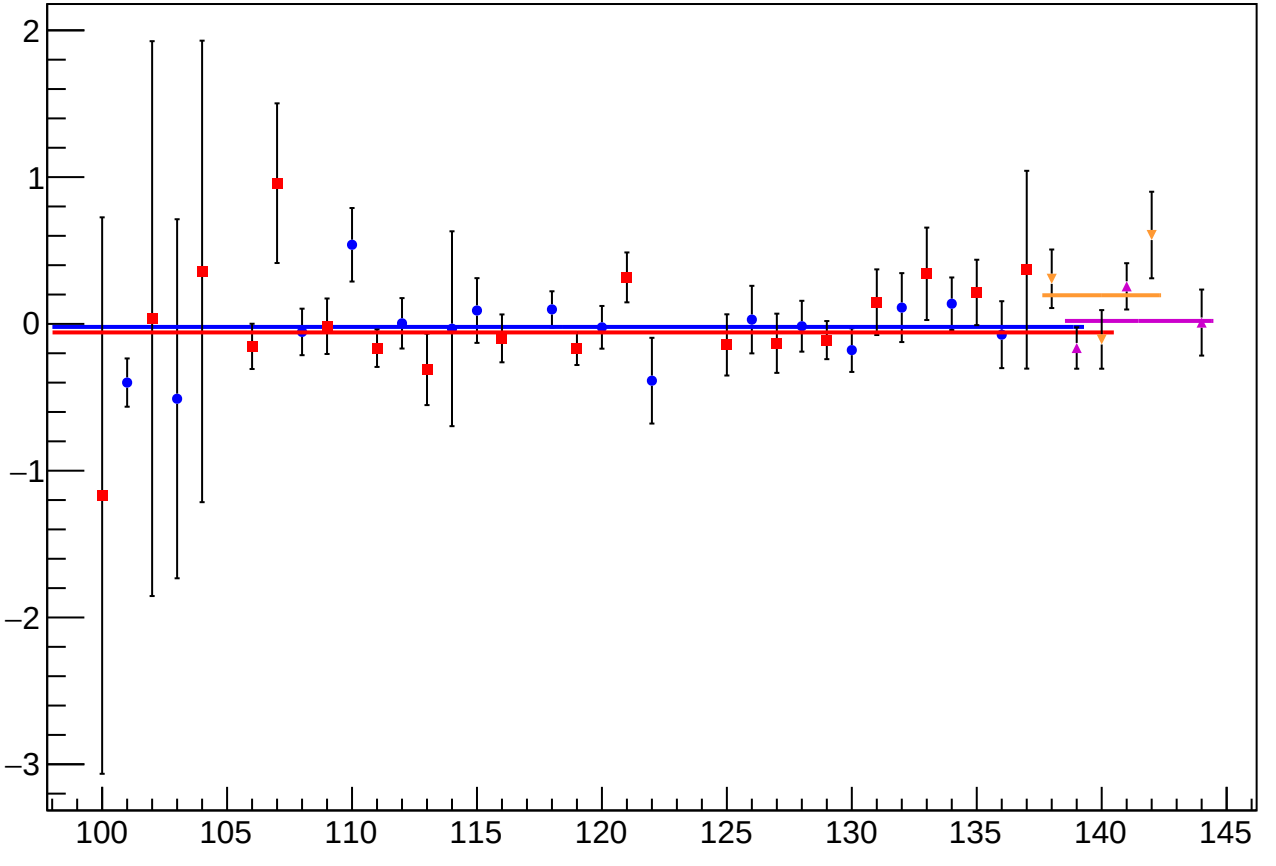
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3293131.3/18

Out: 0.003+/-0.000 χ^2/NDF:7159668.0/20

All: 0.004+/-0.000 χ^2/NDF: 11567120.1/39

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: 0.195+/-0.127 χ^2/NDF:4.5/2

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.020+/-0.095 χ^2/NDF:3.9/2

Left: 0.083+/-0.076 χ^2/NDF: 9.7/5

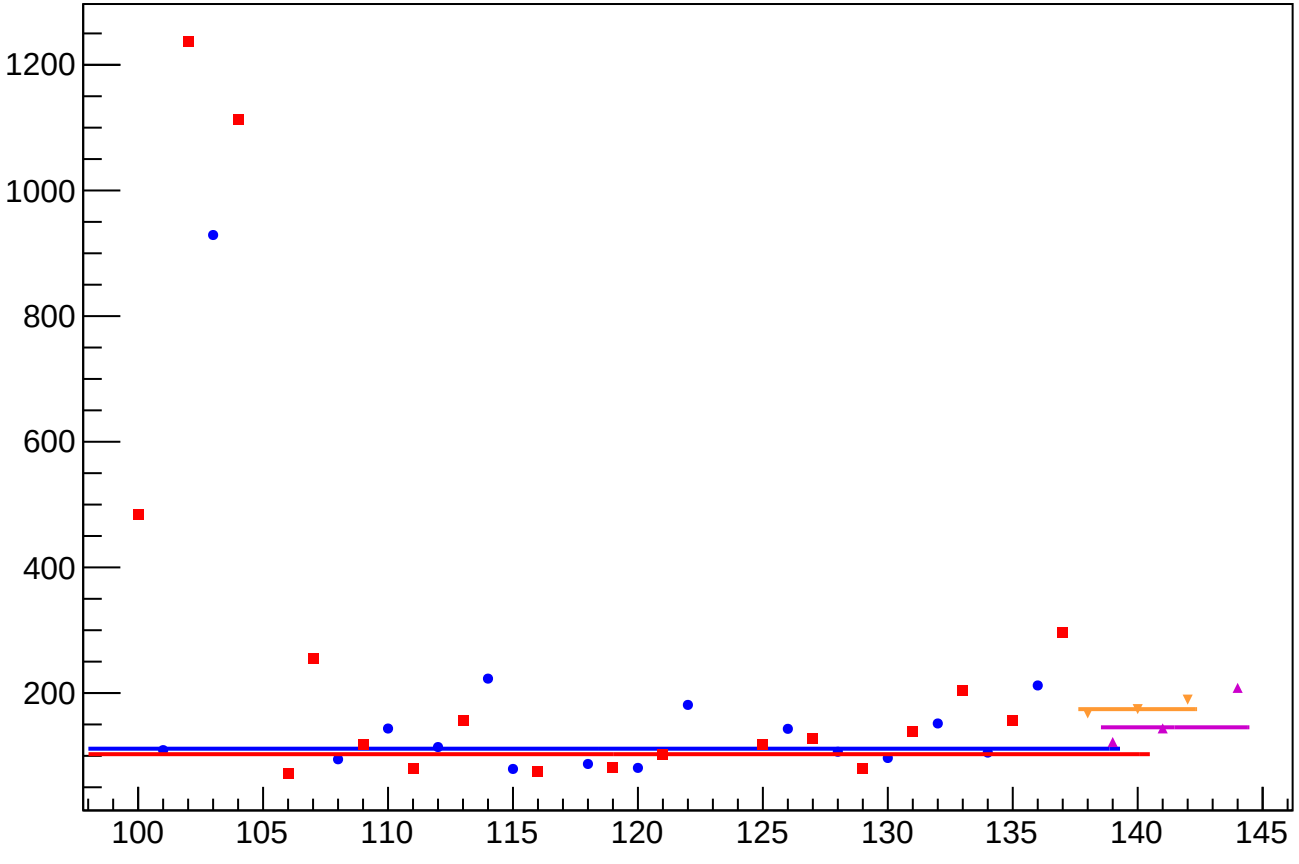
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.043 χ^2/NDF:19.7/18

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.020+/-0.030 χ^2/NDF: 44.6/39

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: 174.378+/-0.090 χ^2/NDF:7643.9/2

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 145.451+/-0.067 χ^2/NDF:211082.7/2

Left: 155.839+/-0.054 χ^2/NDF: 284931.2/5

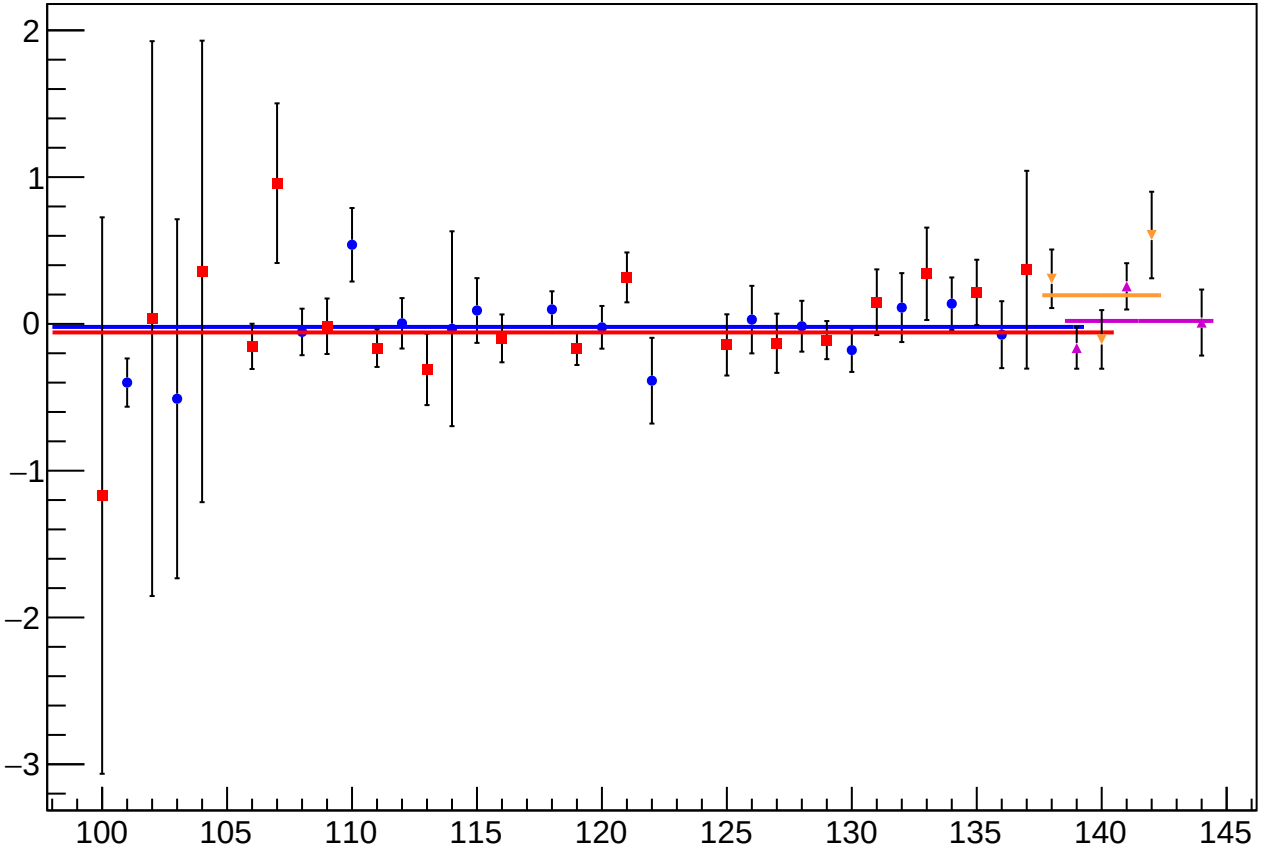
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 118.210+/-0.030 χ^2/NDF:2254805.6/18

Out: 111.084+/-0.031 χ^2/NDF:3394808.2/20

All: 114.729+/-0.022 χ^2/NDF: 5676951.6/39

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: 0.195+/-0.127 χ^2/NDF:4.5/2

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.020+/-0.095 χ^2/NDF:3.9/2

Left: 0.083+/-0.076 χ^2/NDF: 9.7/5

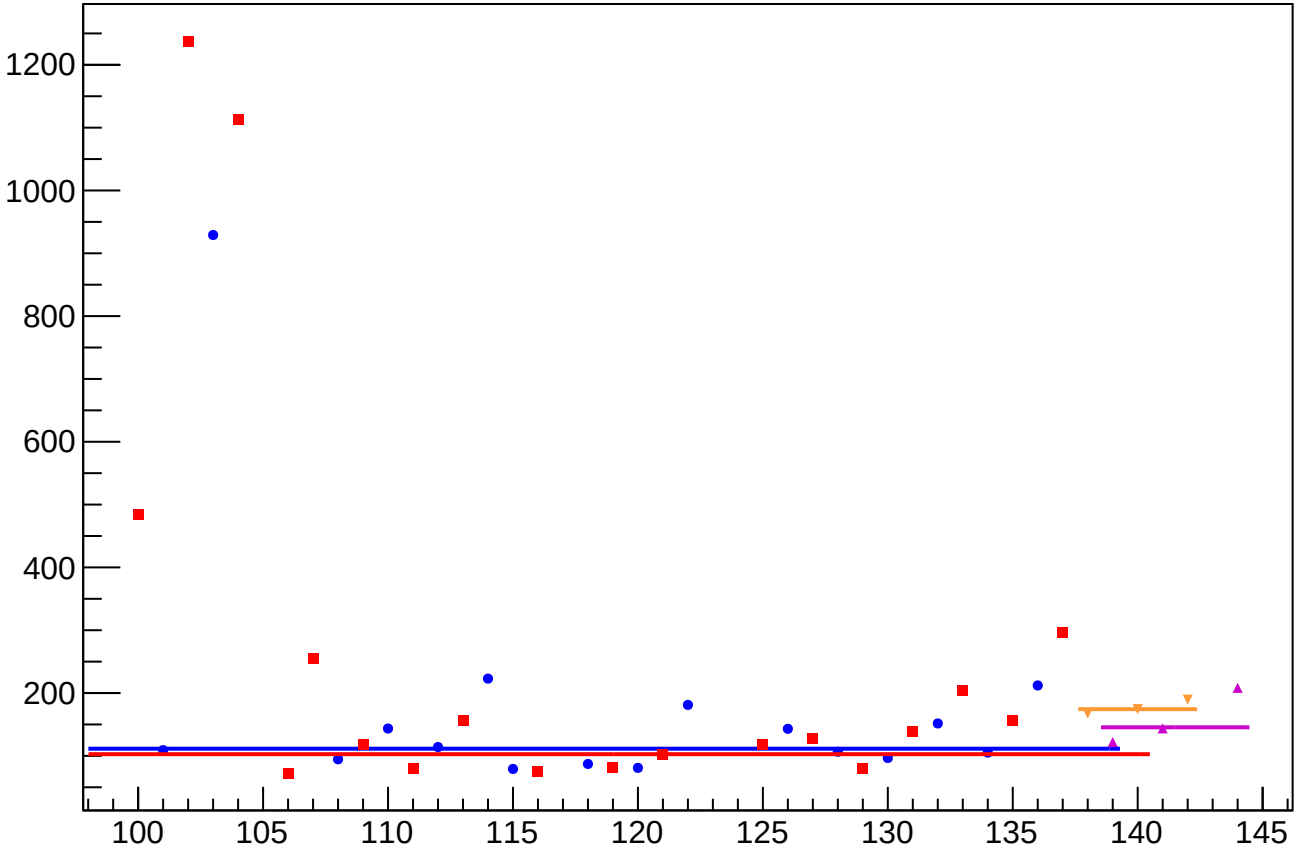
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.012+/-0.043 χ^2/NDF:19.7/18

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.020+/-0.030 χ^2/NDF: 44.6/39

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: 174.378+/-0.090 χ^2/NDF:7643.9/2

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 145.451+/-0.067 χ^2/NDF:211082.7/2

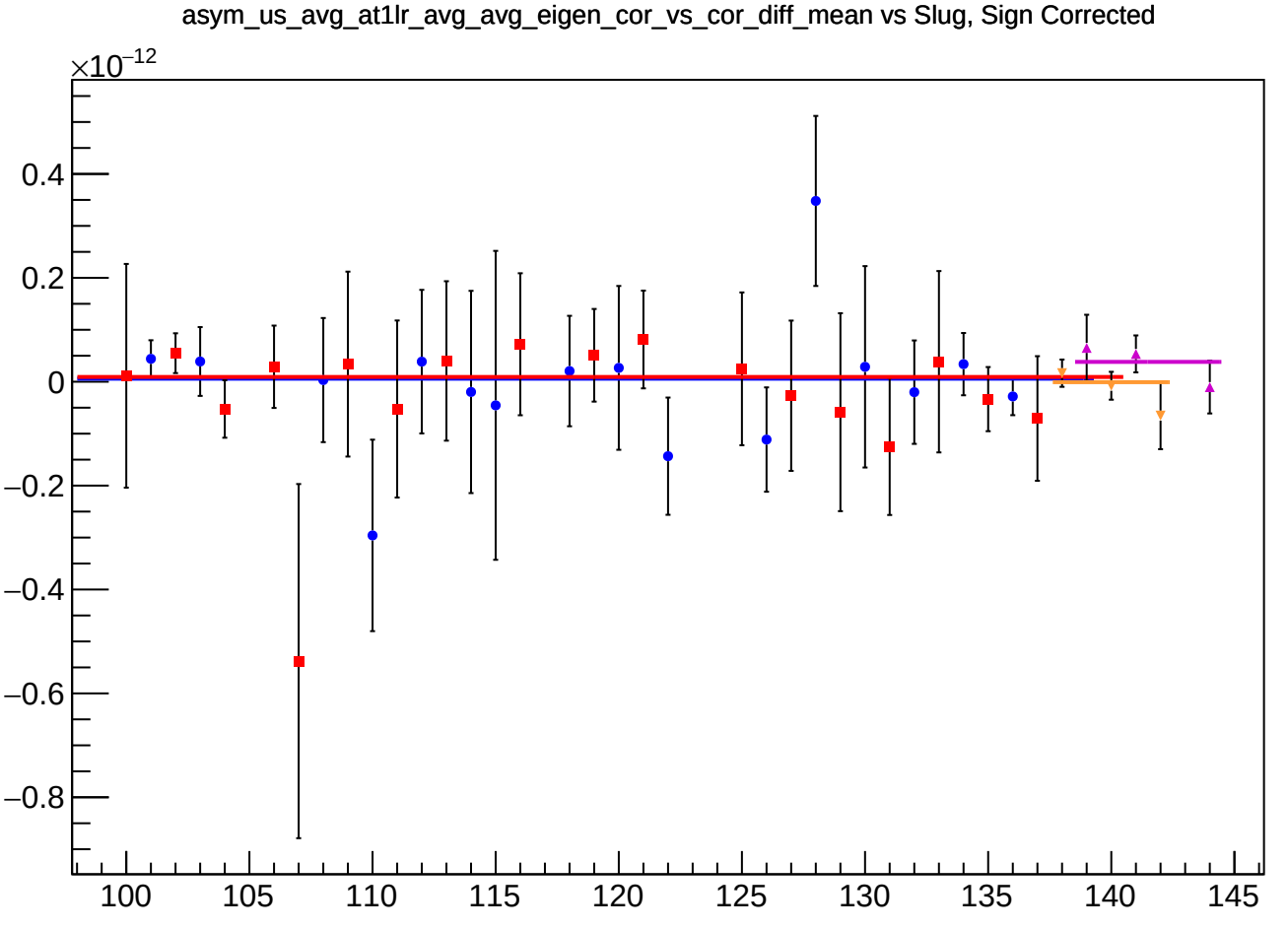
Left: 155.839+/-0.054 χ^2/NDF: 284931.2/5

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 118.210+/-0.030 χ^2/NDF:2254805.6/18

Out: 111.084+/-0.031 χ^2/NDF:3394808.2/20

All: 114.729+/-0.022 χ^2/NDF: 5676951.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

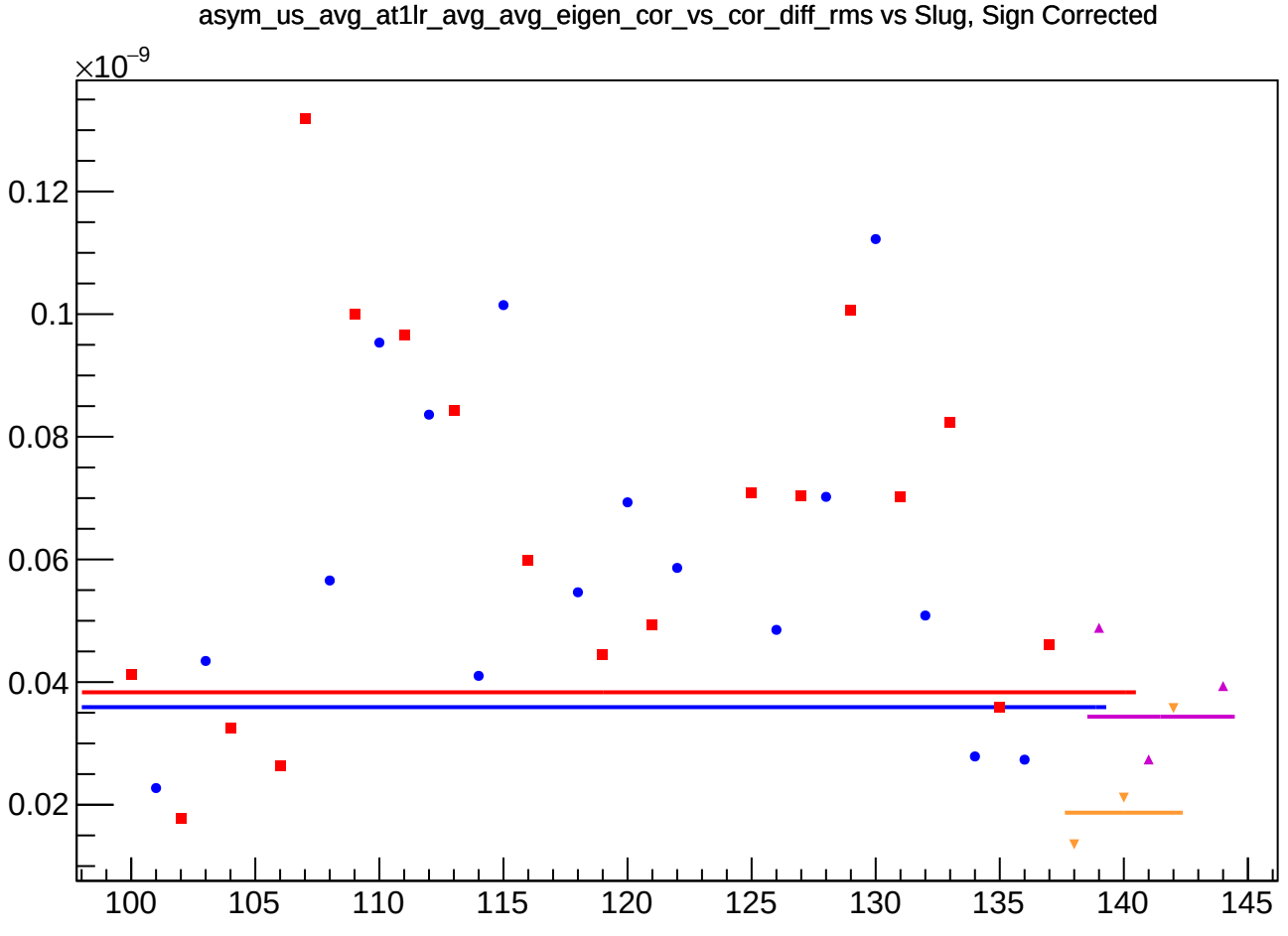
Left: 0.000+/-0.000 χ^2/NDF: 4.3/5

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:15.1/18

Out: 0.000+/-0.000 χ^2/NDF:10.3/20

All: 0.000+/-0.000 χ^2/NDF: 25.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:233790.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:199605.8/2

Left: 0.000+/-0.000 χ^2/NDF: 910790.8/5

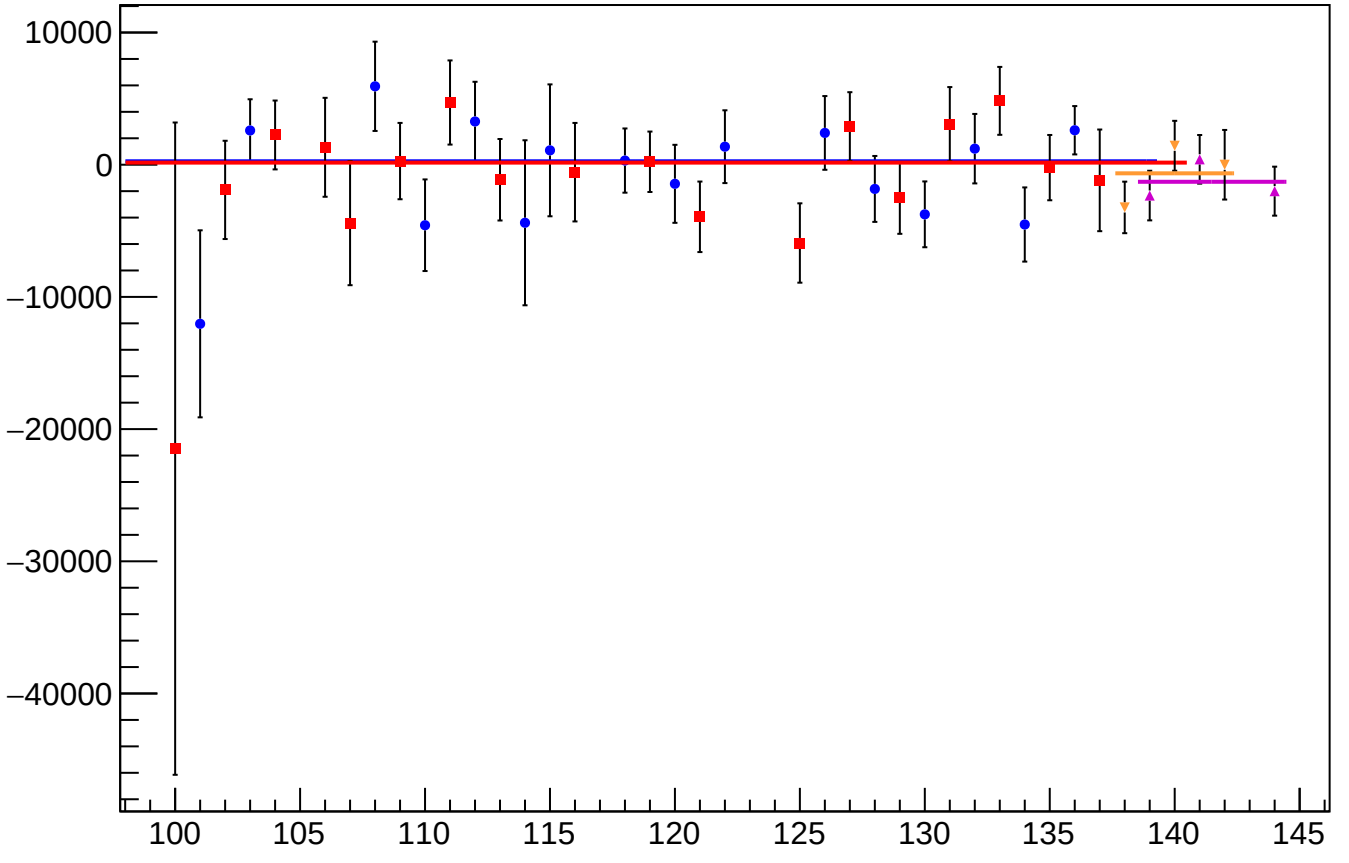
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:1963141.9/18

Out: 0.000+/-0.000 χ^2/NDF:3409387.9/20

All: 0.000+/-0.000 χ^2/NDF: 5716020.1/39

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: -651.063+/-1205.093 χ^2/NDF:3.0/2

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -1291.555+/-1071.617 χ^2/NDF:1.3/2

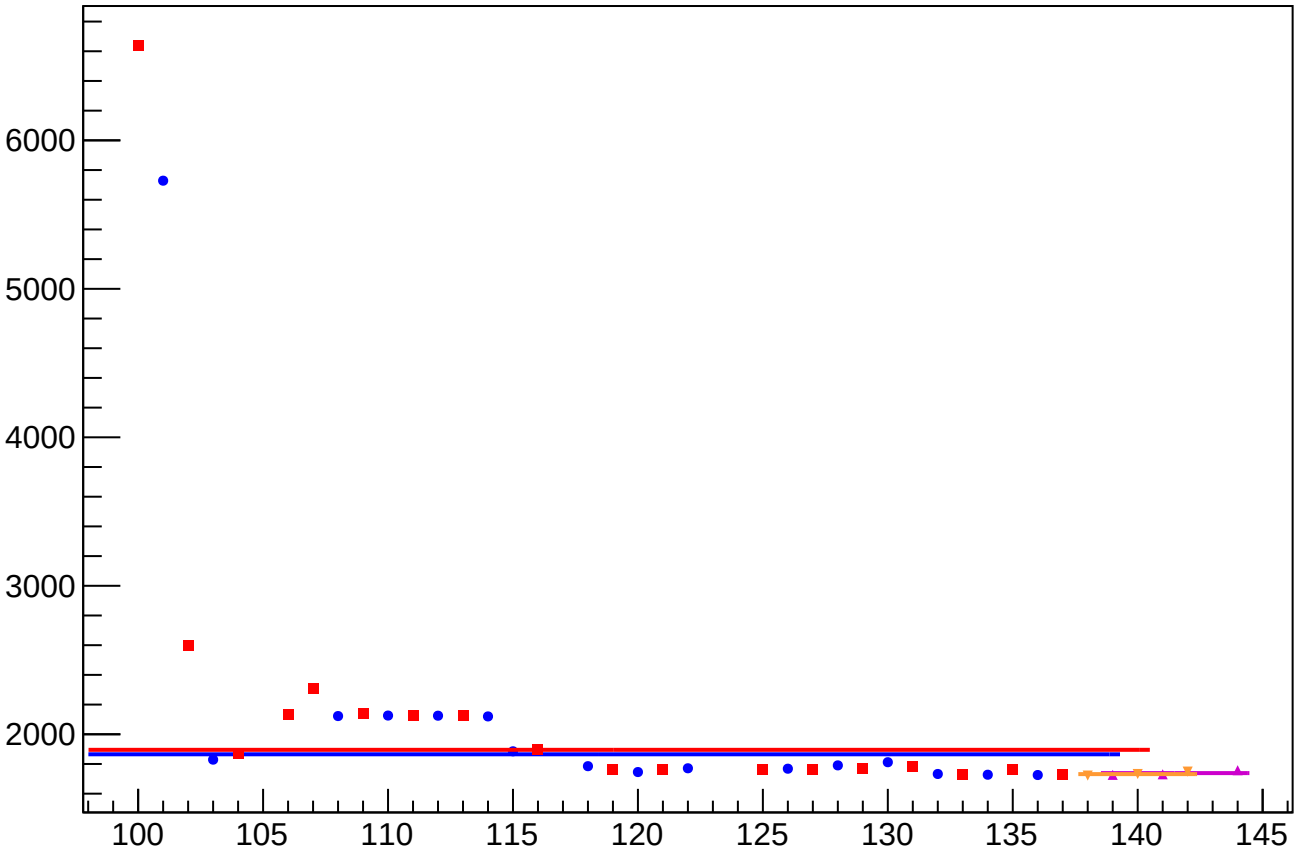
Left: -1008.730+/-800.797 χ^2/NDF: 4.5/5

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -213.385+/-591.704 χ^2/NDF:22.2/18

Out: -50.498+/-613.203 χ^2/NDF:21.5/20

All: -134.847+/-425.795 χ^2/NDF: 43.7/39



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

Left: 1735.507+/-0.566 χ^2/NDF: 506.4/5

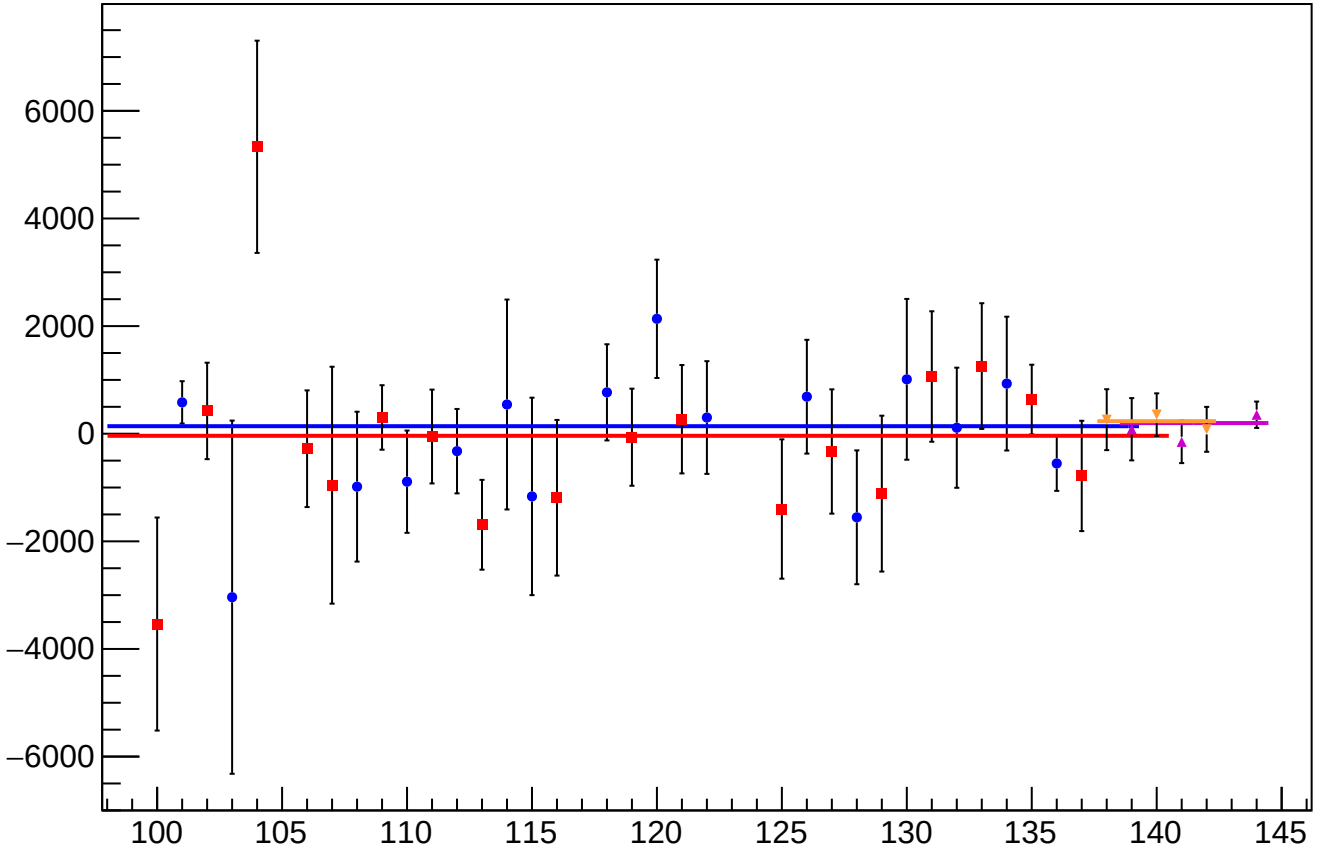
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1826.560+/-0.418 χ^2/NDF:692476.9/18

Out: 1852.900+/-0.434 χ^2/NDF:278244.9/20

All: 1839.260+/-0.301 χ^2/NDF: 972632.7/39

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: 232.688+/-256.090 χ^2/NDF:0.2/2

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 198.096+/-195.959 χ^2/NDF:1.2/2

Left: 210.870+/-155.625 χ^2/NDF: 1.5/5

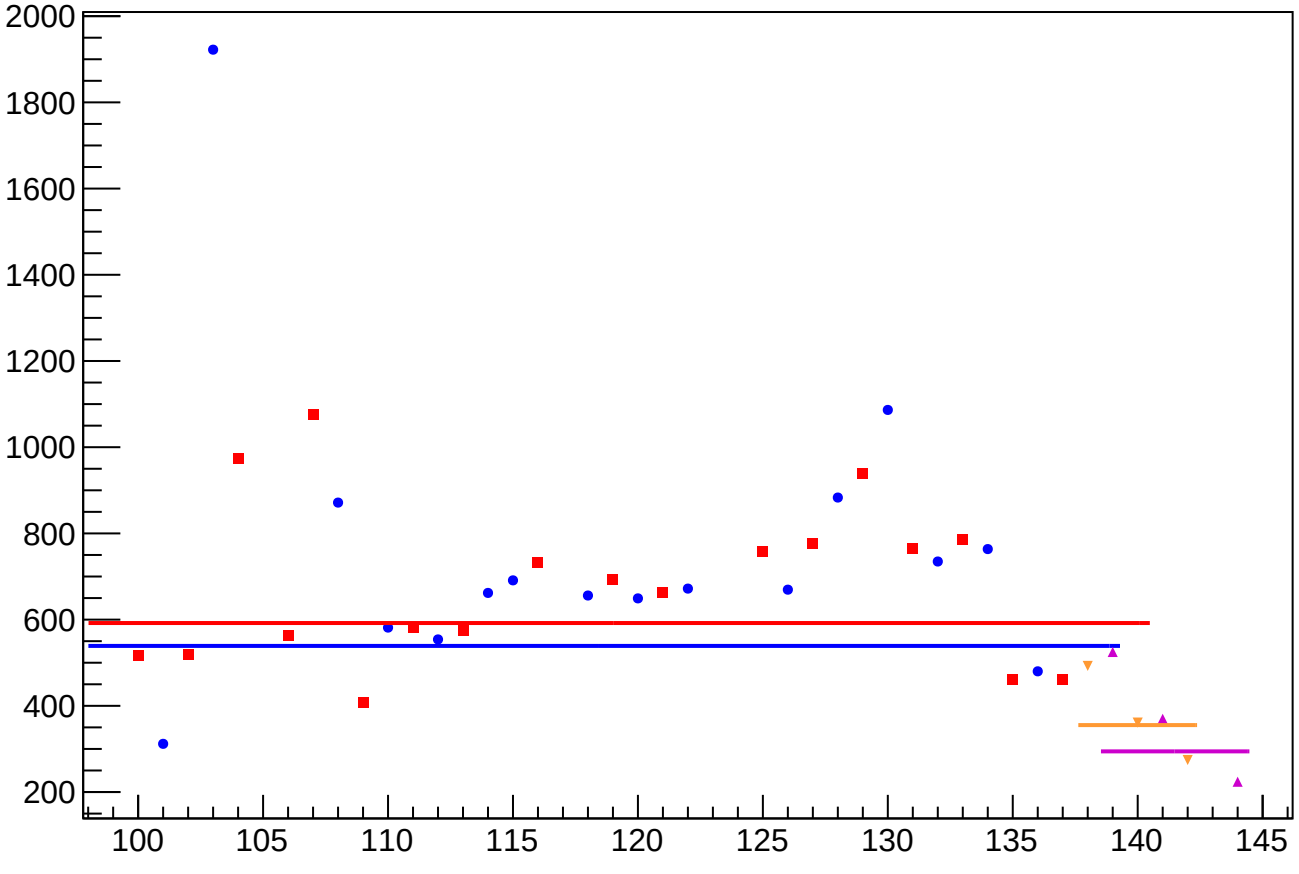
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 172.318+/-146.358 χ^2/NDF:14.7/18

Out: 87.253+/-174.436 χ^2/NDF:22.2/20

All: 137.174+/-112.120 χ^2/NDF: 37.1/39

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: 355.318+/-0.181 χ^2/NDF:193287.2/2

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 294.342+/-0.139 χ^2/NDF:556001.4/2

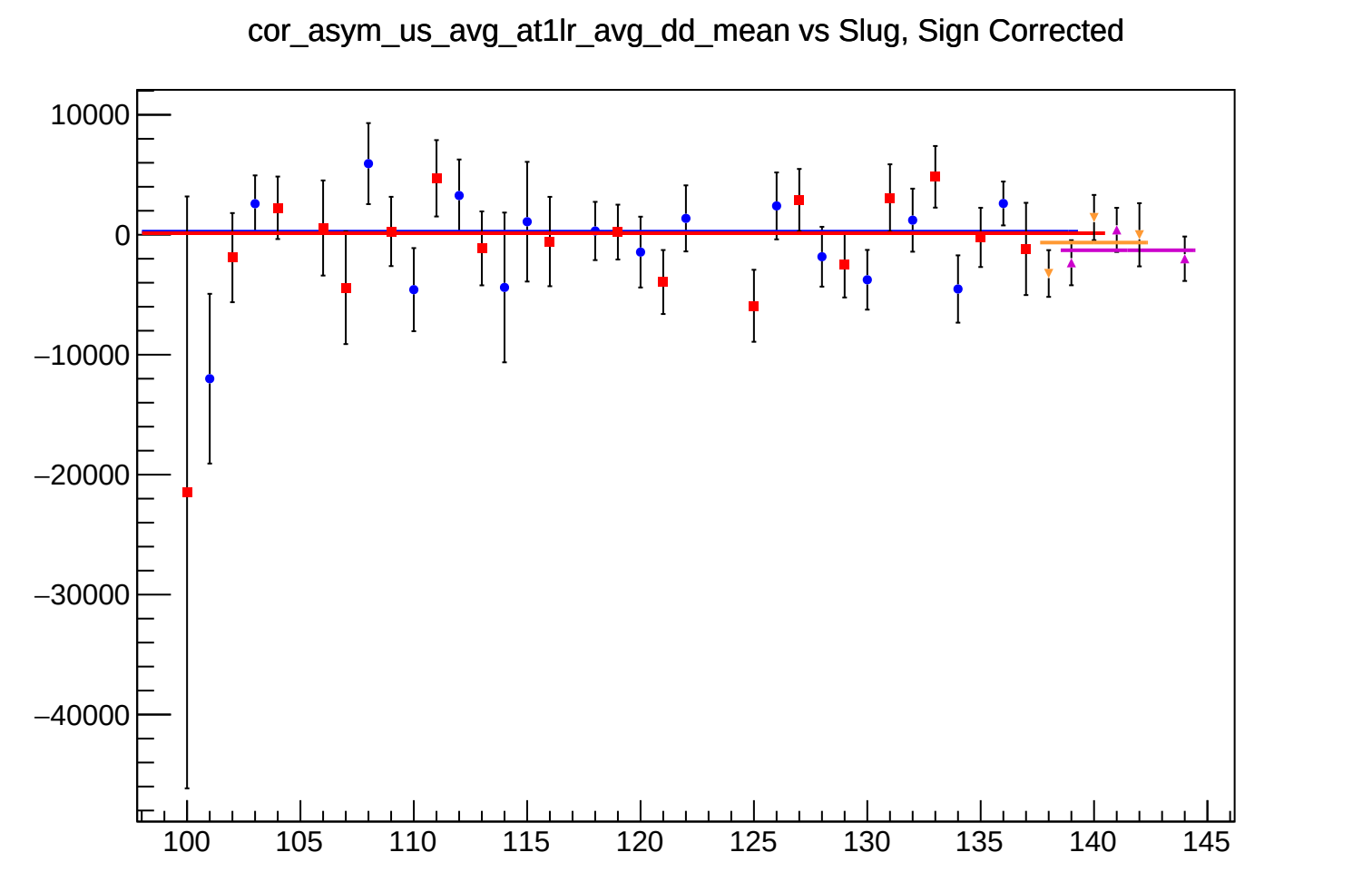
Left: 316.860+/-0.110 χ^2/NDF: 820802.7/5

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 402.530+/-0.103 χ^2/NDF:3789261.0/18

Out: 482.242+/-0.123 χ^2/NDF:1952864.5/20

All: 435.462+/-0.079 χ^2/NDF: 5987223.3/39



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF:3.0/2

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -1291.794+/-1071.617 χ^2/NDF:1.3/2

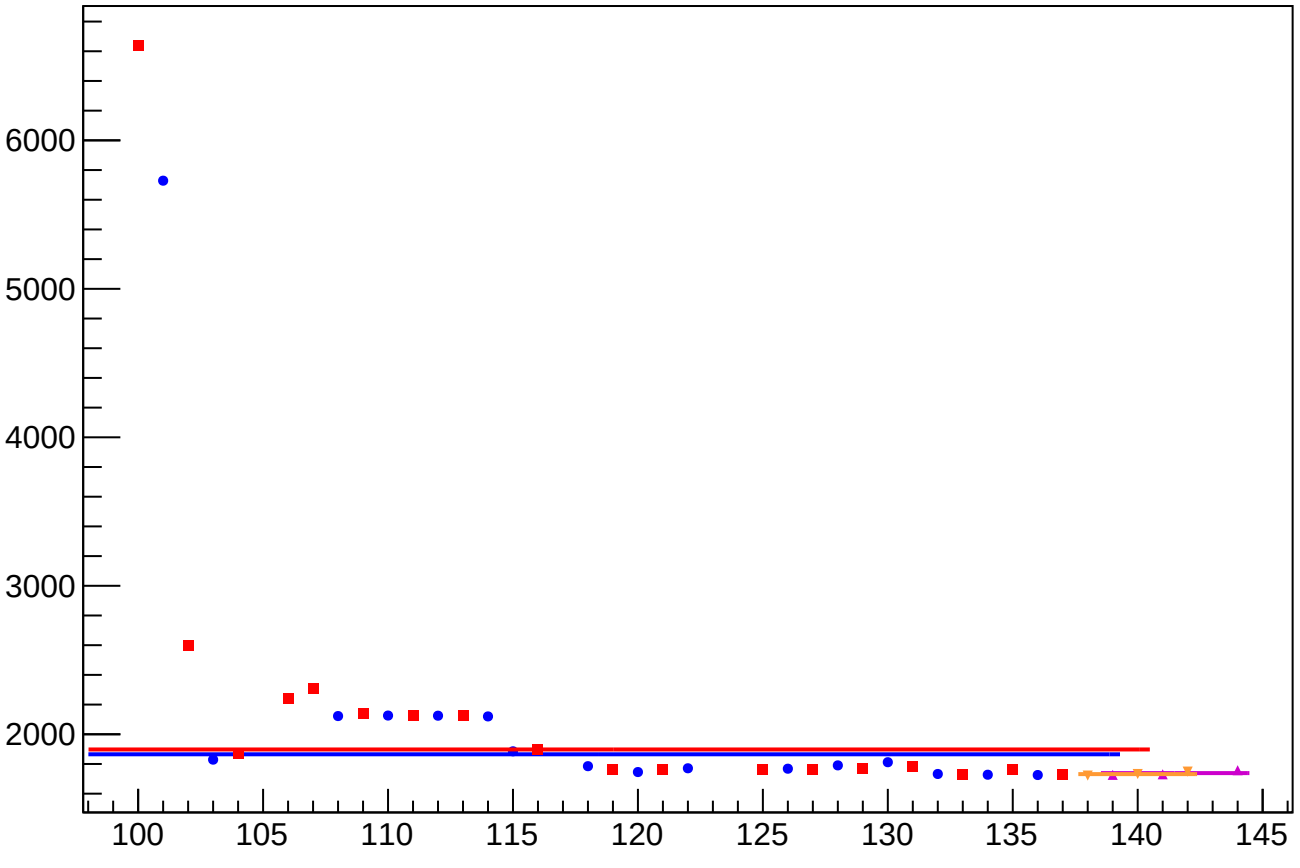
Left: -1008.891+/-800.797 χ^2/NDF: 4.5/5

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -213.328+/-591.704 χ^2/NDF:22.2/18

Out: -72.806+/-614.101 χ^2/NDF:21.3/20

All: -145.676+/-426.096 χ^2/NDF: 43.5/39



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

Left: 1735.507+/-0.566 χ^2/NDF: 506.4/5

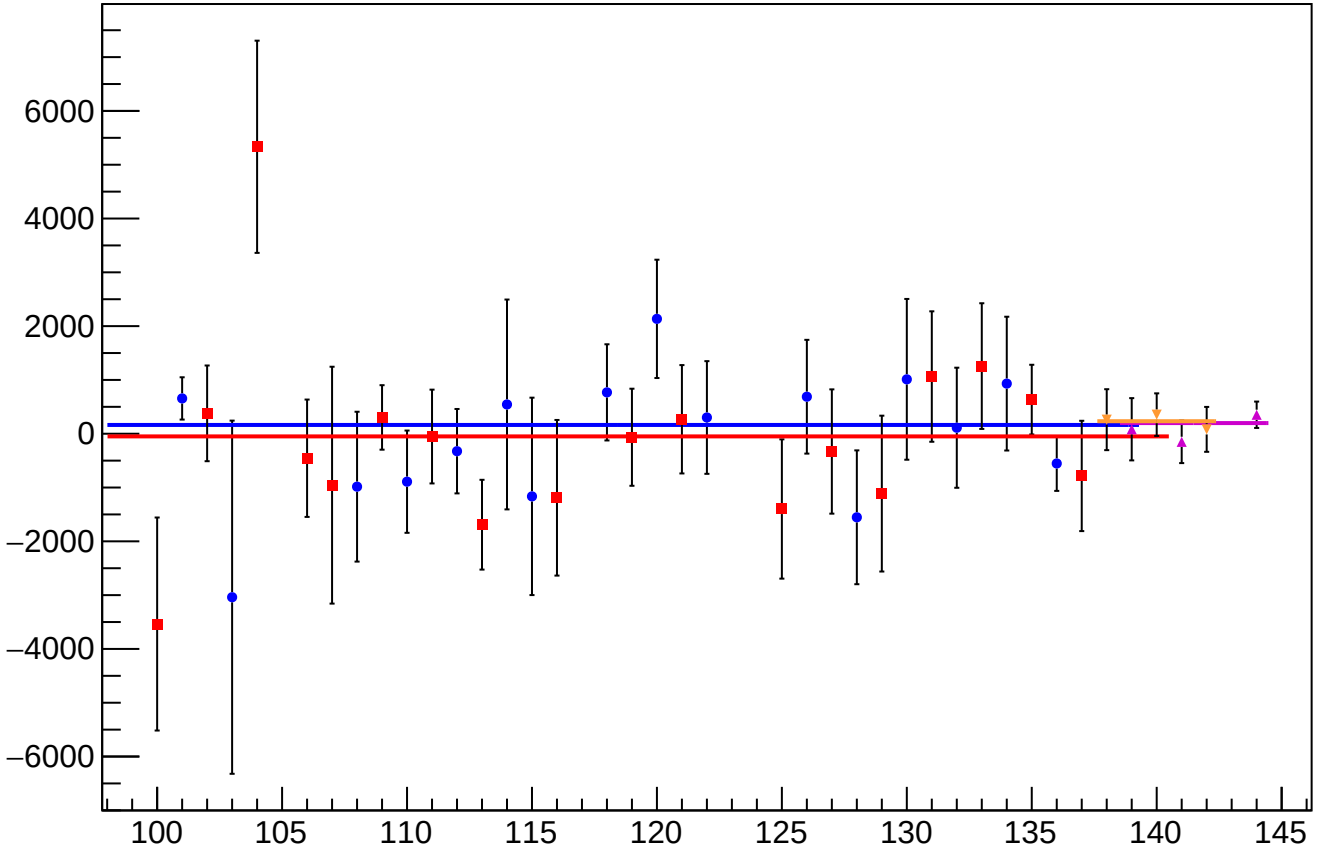
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1826.560+/-0.418 χ^2/NDF:692476.8/18

Out: 1854.590+/-0.434 χ^2/NDF:285968.8/20

All: 1840.054+/-0.301 χ^2/NDF: 980606.4/39

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 232.563+/-256.094 χ^2/NDF:0.2/2

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 198.049+/-195.961 χ^2/NDF:1.2/2

Left: 210.795+/-155.627 χ^2/NDF: 1.5/5

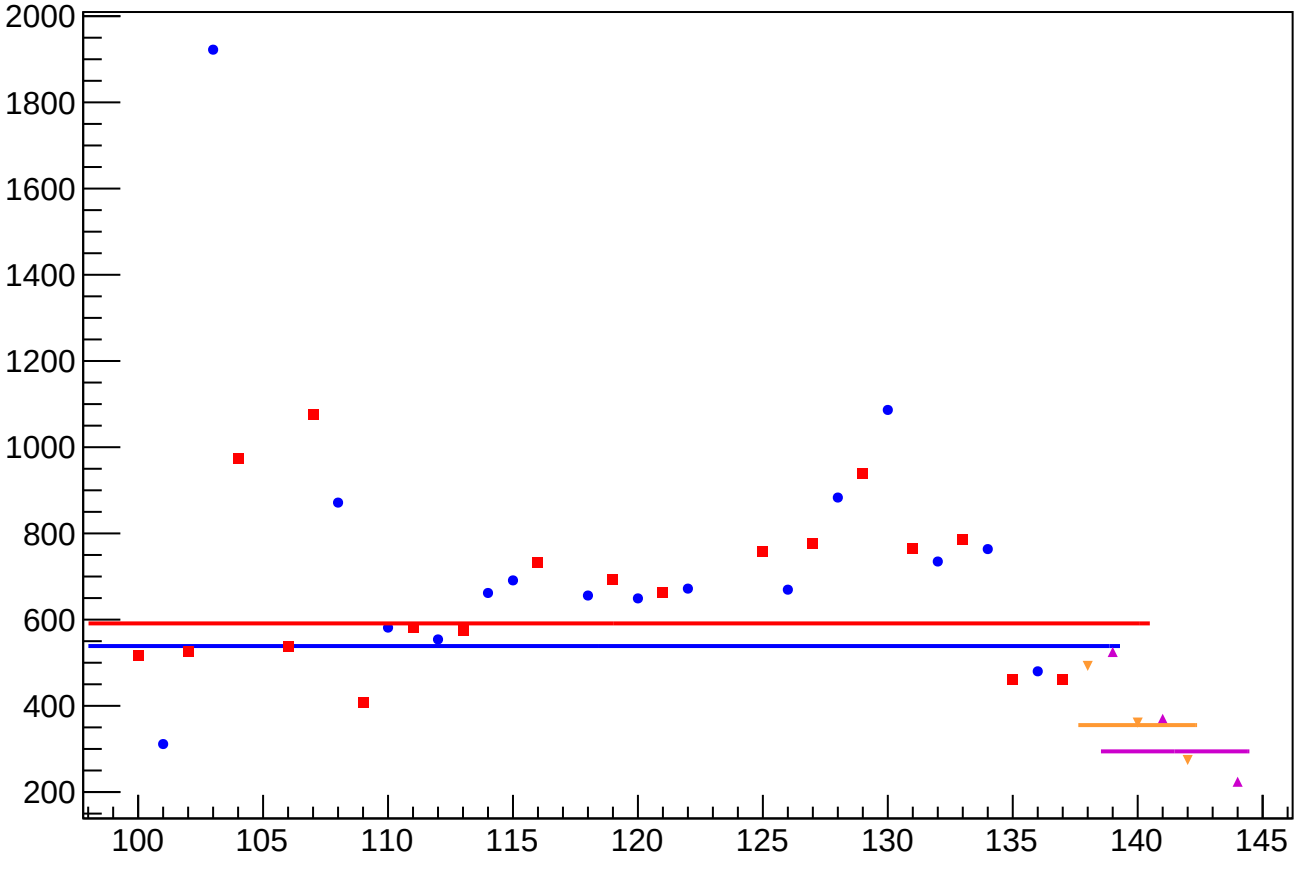
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 182.611+/-146.336 χ^2/NDF:15.1/18

Out: 81.269+/-174.415 χ^2/NDF:22.3/20

All: 140.744+/-112.105 χ^2/NDF: 37.7/39

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: 355.327+/-0.181 χ^2/NDF:193285.2/2

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 294.353+/-0.139 χ^2/NDF:555860.9/2

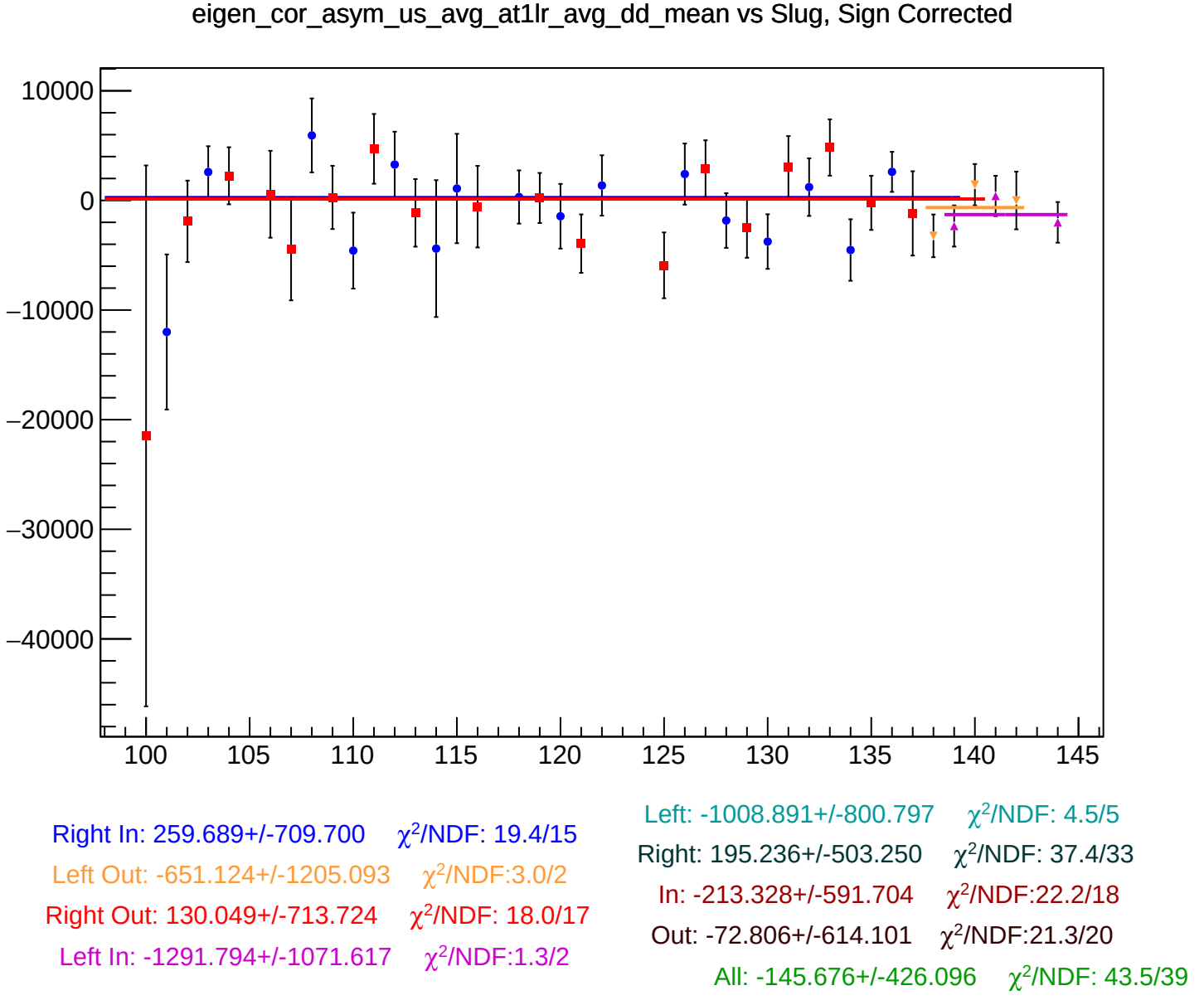
Left: 316.870+/-0.110 χ^2/NDF: 820652.9/5

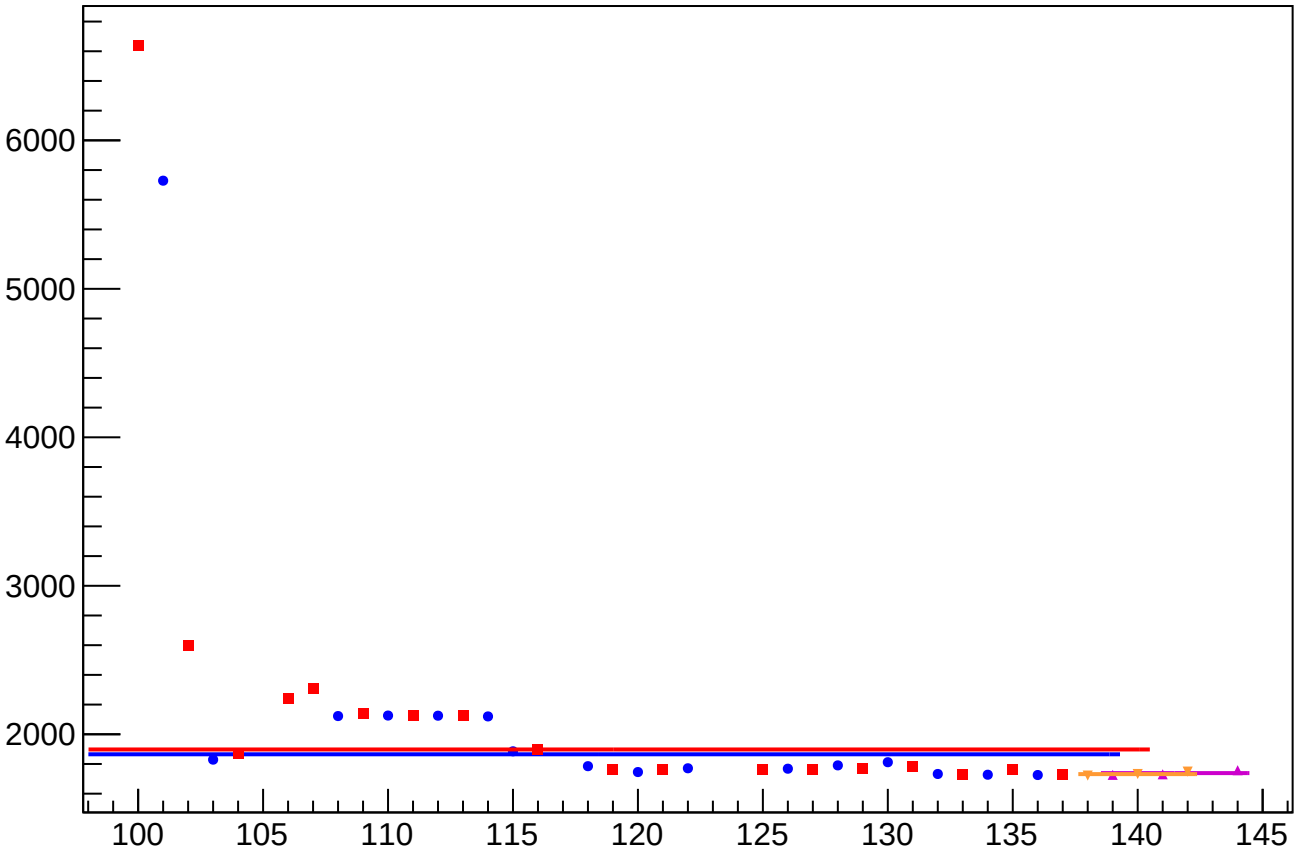
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 402.440+/-0.103 χ^2/NDF:3790317.6/18

Out: 481.814+/-0.123 χ^2/NDF:1947809.1/20

All: 435.232+/-0.079 χ^2/NDF: 5981215.5/39


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -651.124+/-1205.093 χ²/NDF:3.0/2
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -1291.794+/-1071.617 χ²/NDF:1.3/2
Left: -1008.891+/-800.797 χ²/NDF: 4.5/5
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -213.328+/-591.704 χ²/NDF:22.2/18
Out: -72.806+/-614.101 χ²/NDF:21.3/20
All: -145.676+/-426.096 χ²/NDF: 43.5/39



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1738.529+/-0.758 χ^2/NDF:336.0/2

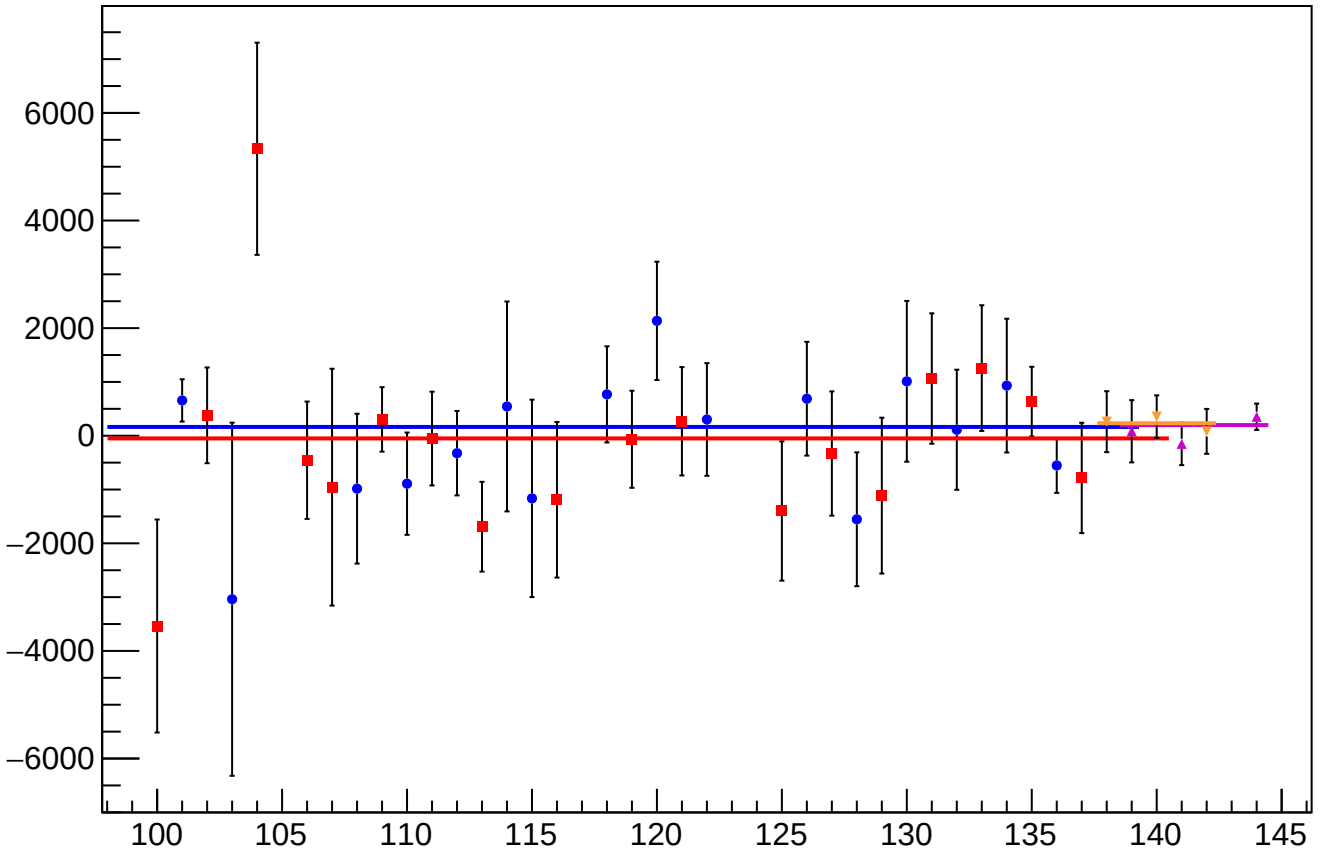
Left: 1735.507+/-0.566 χ^2/NDF: 506.4/5

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1826.560+/-0.418 χ^2/NDF:692476.8/18

Out: 1854.590+/-0.434 χ^2/NDF:285968.8/20

All: 1840.054+/-0.301 χ^2/NDF: 980606.4/39



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 232.563+/-256.094 χ^2/NDF:0.2/2

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 198.049+/-195.961 χ^2/NDF:1.2/2

Left: 210.795+/-155.627 χ^2/NDF: 1.5/5

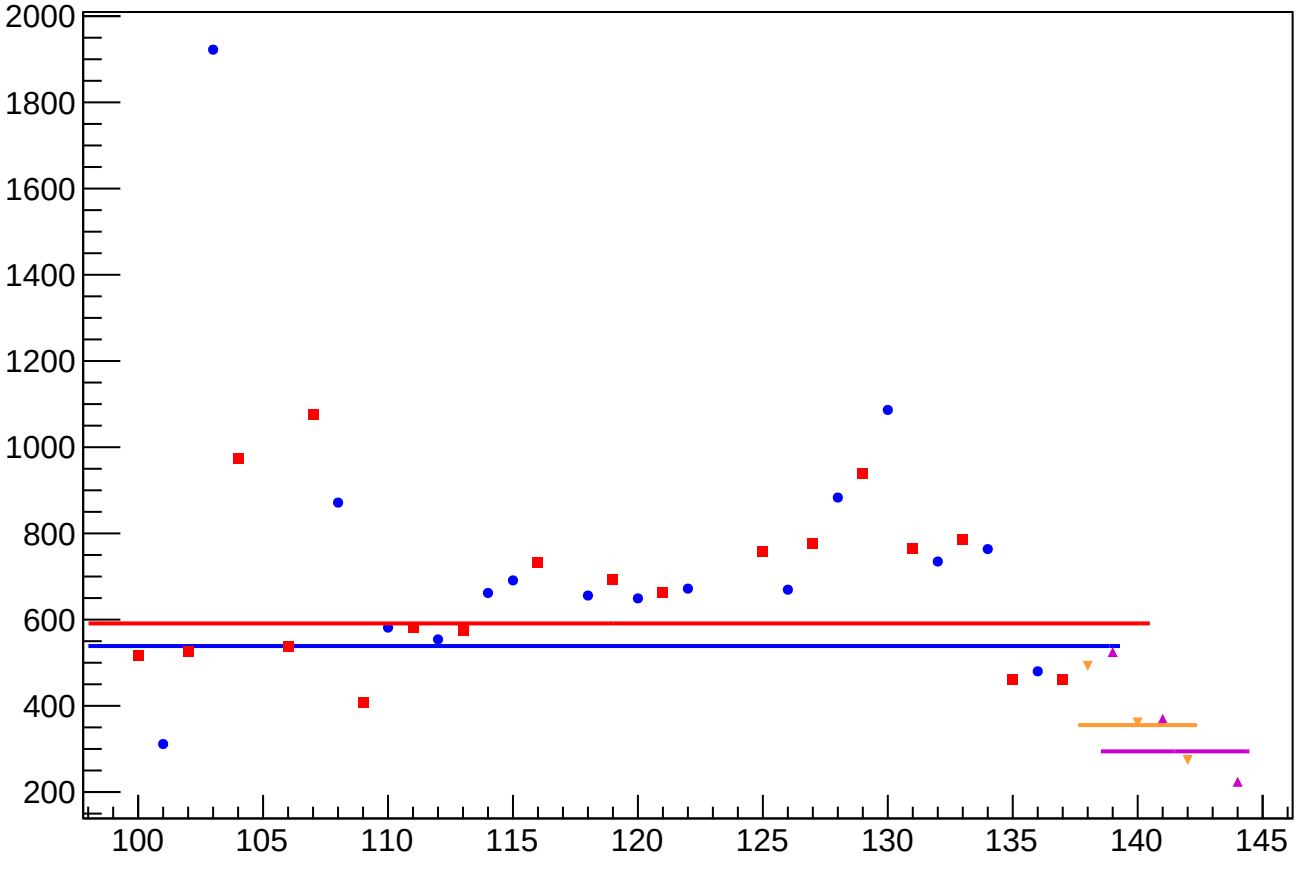
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 182.611+/-146.336 χ^2/NDF:15.1/18

Out: 81.269+/-174.415 χ^2/NDF:22.3/20

All: 140.744+/-112.105 χ^2/NDF: 37.7/39

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: 355.327+/-0.181 χ^2/NDF:193285.2/2

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 294.353+/-0.139 χ^2/NDF:555860.9/2

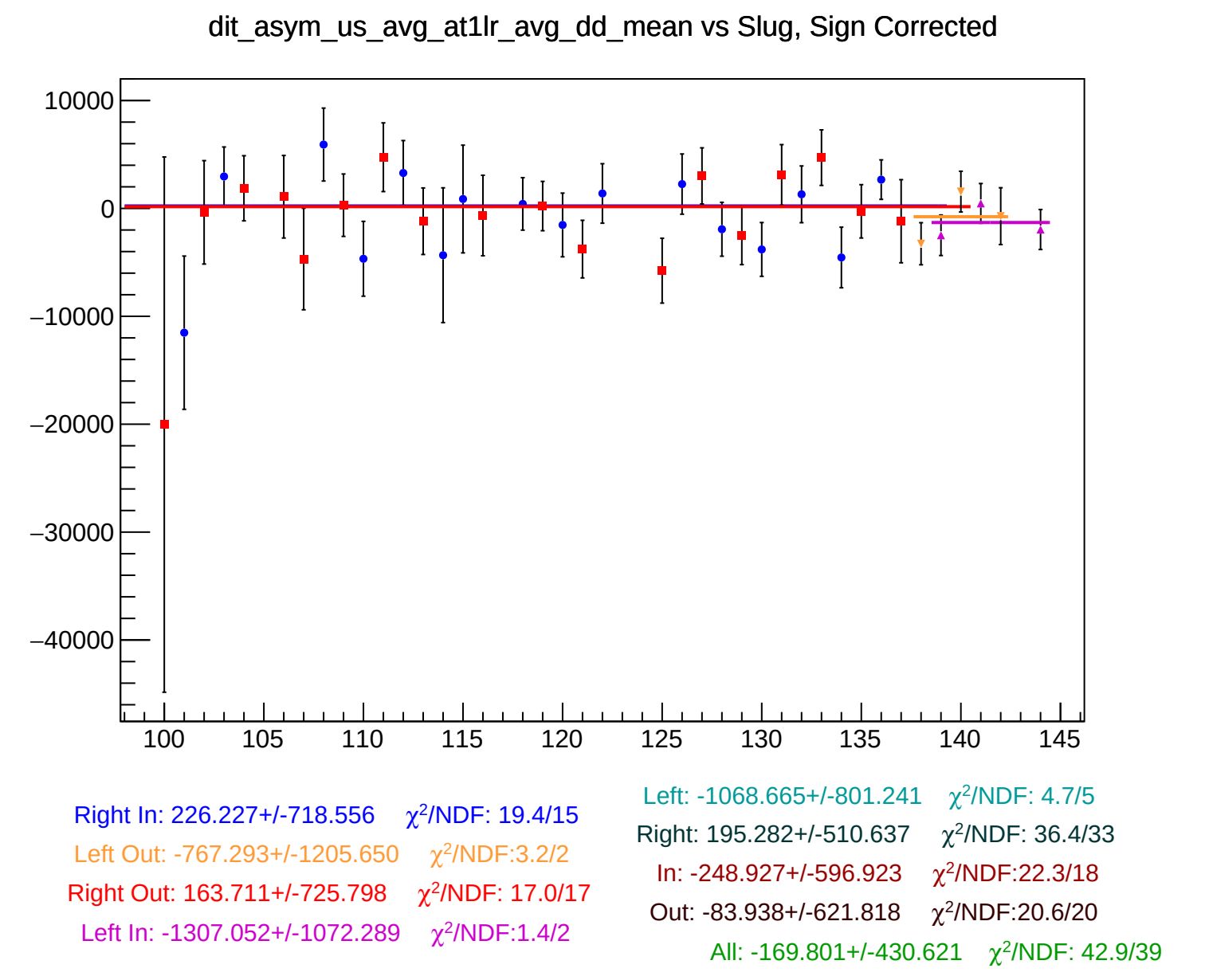
Left: 316.870+/-0.110 χ^2/NDF: 820652.9/5

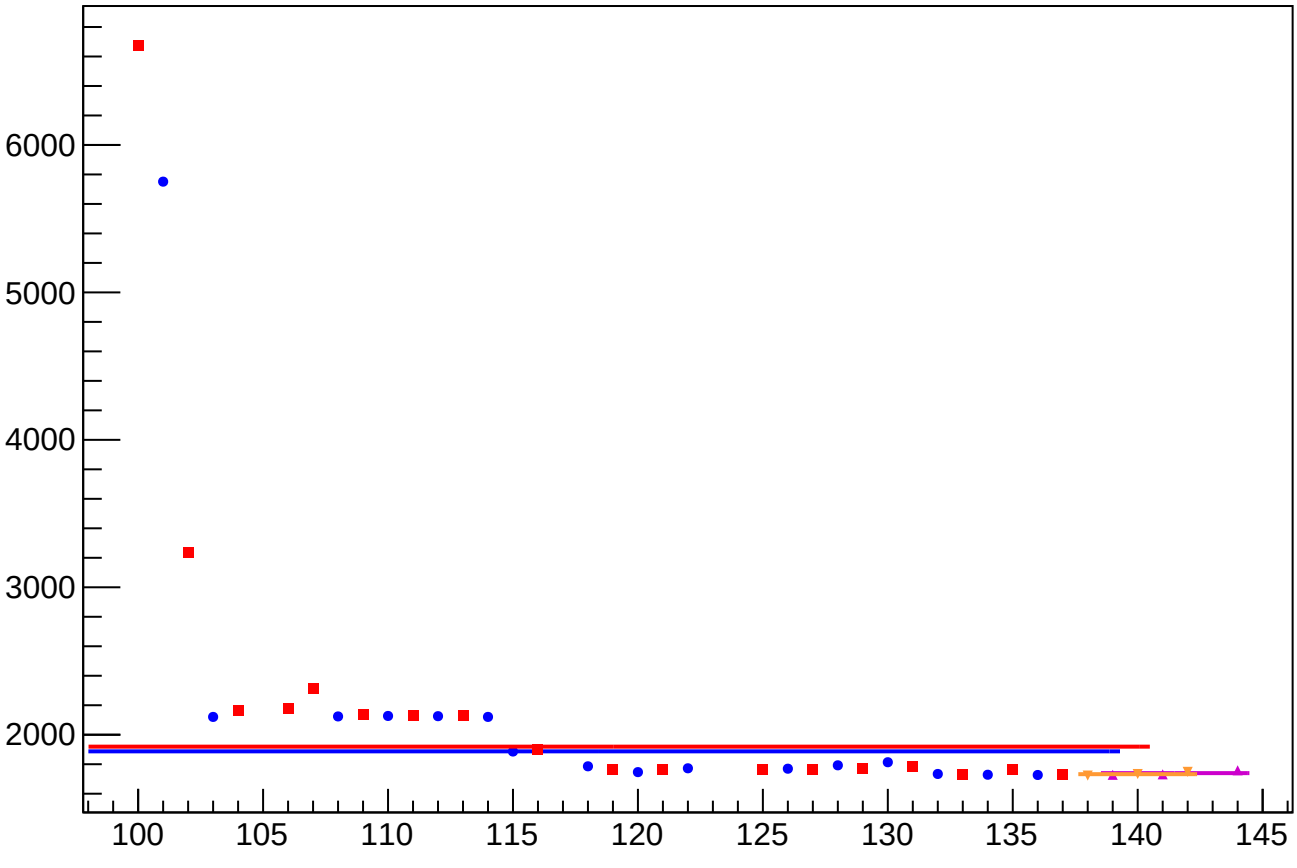
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 402.440+/-0.103 χ^2/NDF:3790317.6/18

Out: 481.814+/-0.123 χ^2/NDF:1947809.1/20

All: 435.232+/-0.079 χ^2/NDF: 5981215.5/39


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -767.293+/-1205.650 χ²/NDF:3.2/2
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -1307.052+/-1072.289 χ²/NDF:1.4/2
Left: -1068.665+/-801.241 χ²/NDF: 4.7/5
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -248.927+/-596.923 χ²/NDF:22.3/18
Out: -83.938+/-621.818 χ²/NDF:20.6/20
All: -169.801+/-430.621 χ²/NDF: 42.9/39



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1732.479+/-0.853 χ^2/NDF:120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1739.613+/-0.758 χ^2/NDF:326.3/2

Left: 1736.462+/-0.567 χ^2/NDF: 485.8/5

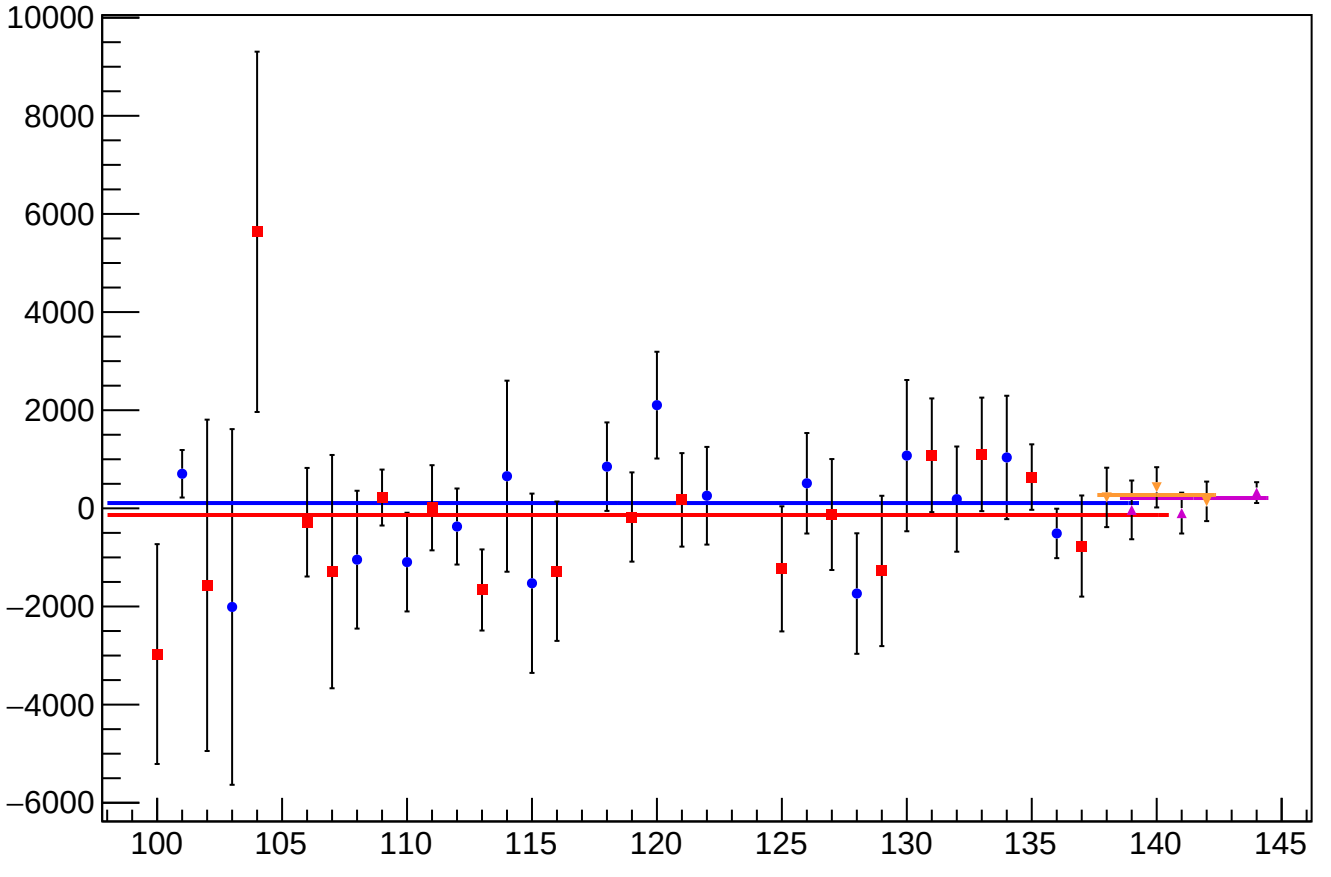
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1841.540+/-0.422 χ^2/NDF:715954.9/18

Out: 1869.506+/-0.440 χ^2/NDF:387884.2/20

All: 1854.952+/-0.304 χ^2/NDF: 1105944.4/39

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 271.899+/-259.601 χ^2/NDF:0.3/2

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 210.684+/-180.333 χ^2/NDF:1.0/2

Left: 230.608+/-148.106 χ^2/NDF: 1.3/5

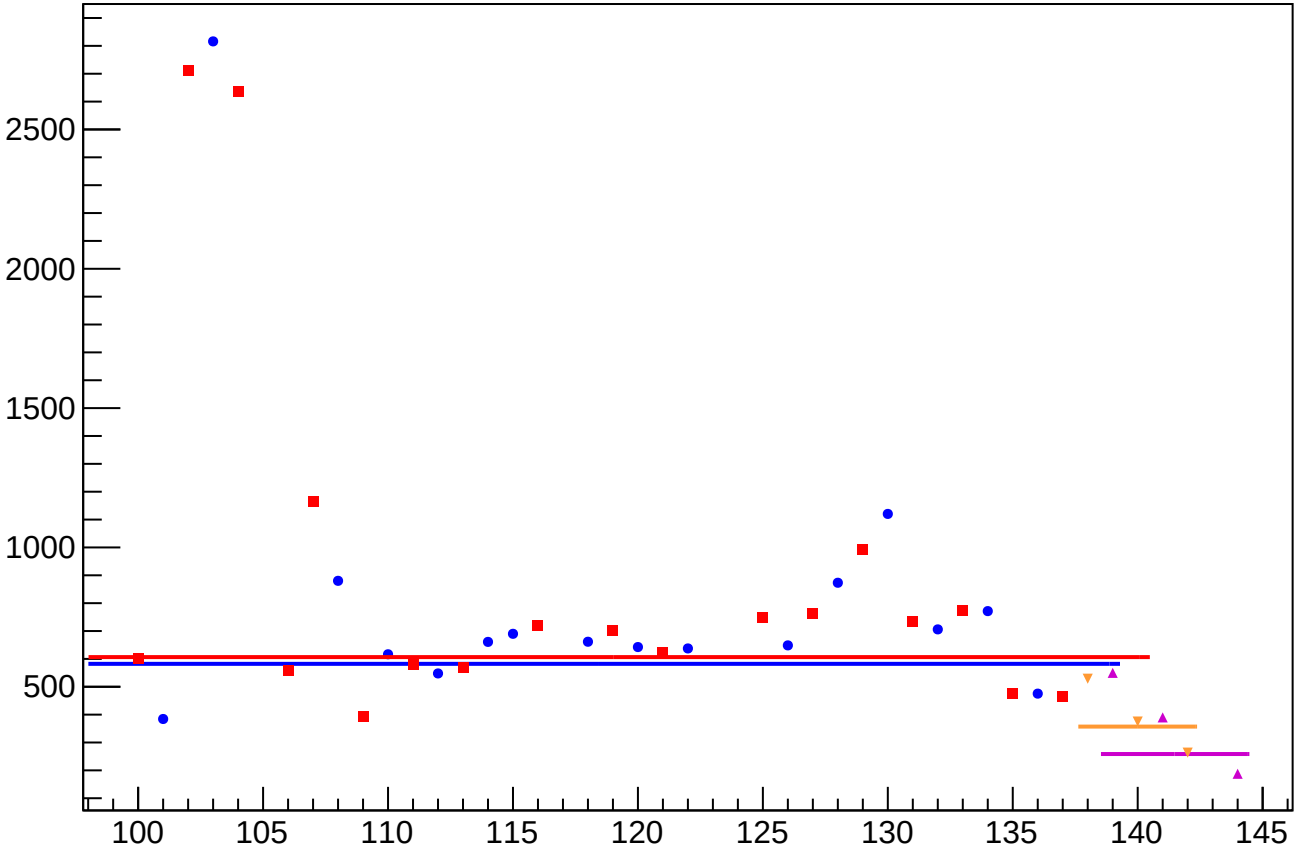
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 171.999+/-142.312 χ^2/NDF:15.3/18

Out: 57.268+/-178.538 χ^2/NDF:15.9/20

All: 127.424+/-111.285 χ^2/NDF: 31.4/39

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: 357.070+/-0.184 χ^2/NDF:272724.1/2

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 258.632+/-0.128 χ^2/NDF:895623.1/2

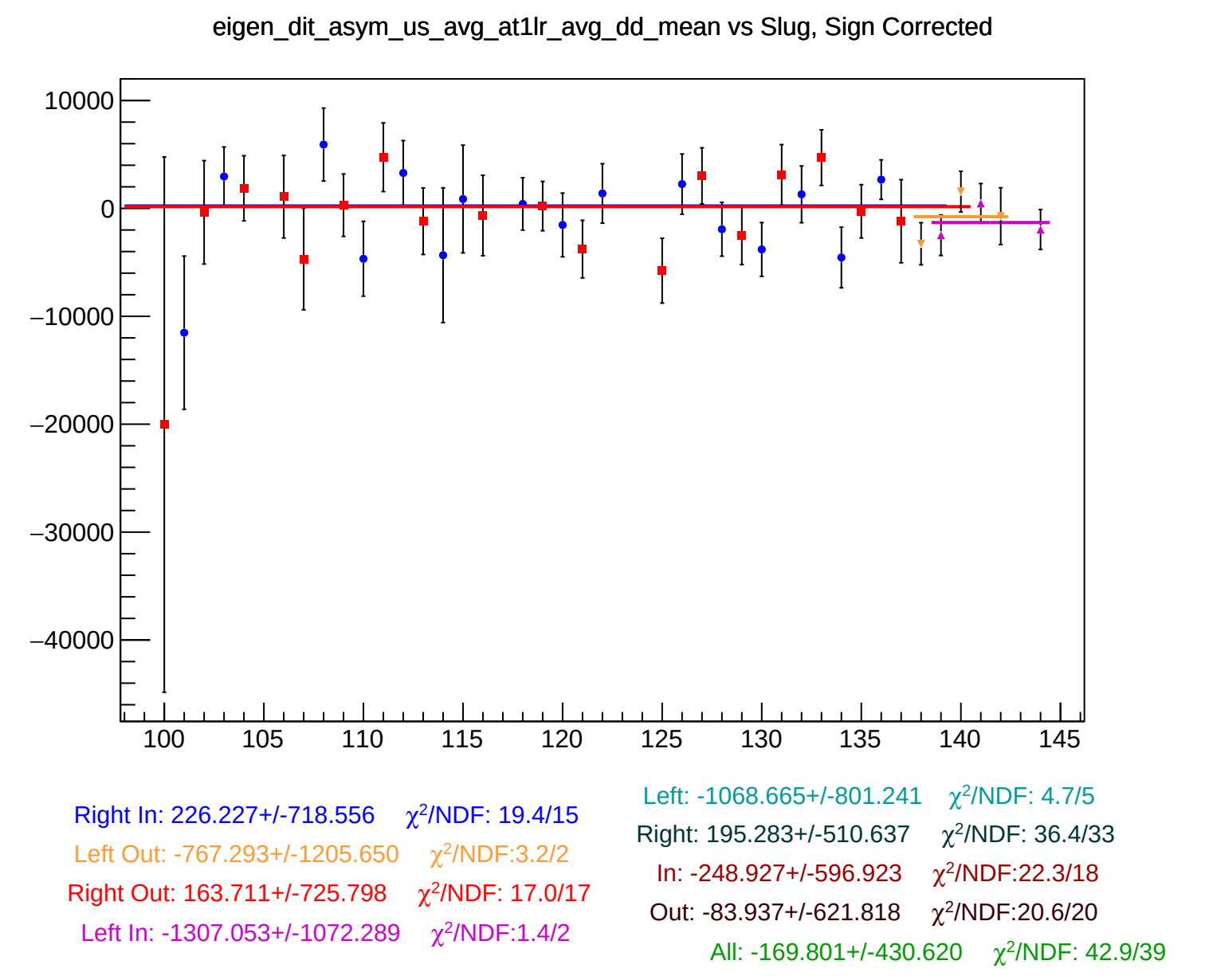
Left: 290.672+/-0.105 χ^2/NDF: 1362318.1/5

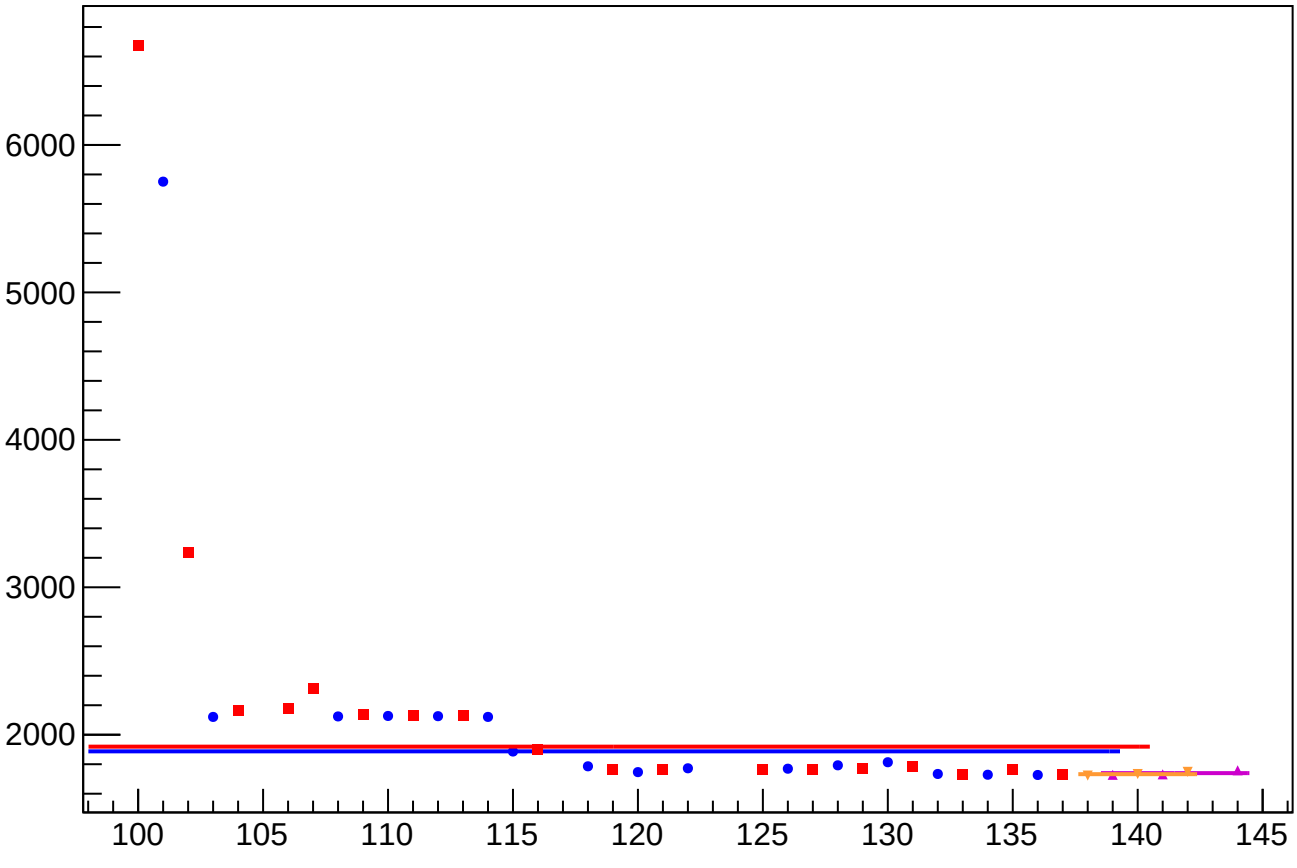
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 380.714+/-0.101 χ^2/NDF:5079844.2/18

Out: 488.498+/-0.126 χ^2/NDF:3443792.3/20

All: 422.590+/-0.079 χ^2/NDF: 8969355.8/39


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -767.293+/-1205.650 χ²/NDF:3.2/2
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -1307.053+/-1072.289 χ²/NDF:1.4/2
Left: -1068.665+/-801.241 χ²/NDF: 4.7/5
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -248.927+/-596.923 χ²/NDF:22.3/18
Out: -83.937+/-621.818 χ²/NDF:20.6/20
All: -169.801+/-430.620 χ²/NDF: 42.9/39



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1732.479+/-0.853 χ^2/NDF:120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1739.613+/-0.758 χ^2/NDF:326.3/2

Left: 1736.462+/-0.567 χ^2/NDF: 485.8/5

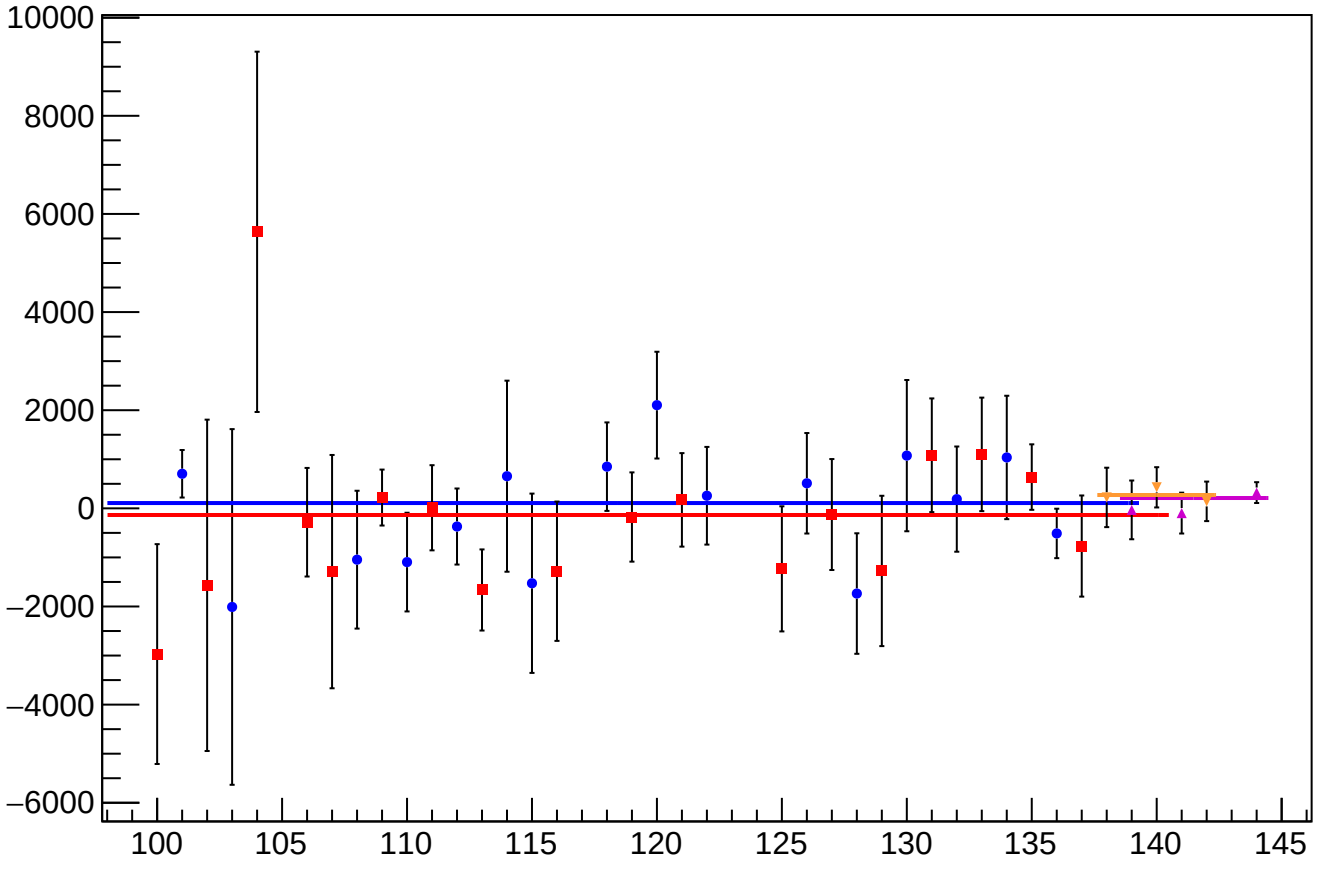
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1841.539+/-0.422 χ^2/NDF:715954.6/18

Out: 1869.506+/-0.440 χ^2/NDF:387883.4/20

All: 1854.952+/-0.304 χ^2/NDF: 1105943.3/39

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: 271.895+/-259.603 χ^2/NDF:0.3/2

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 210.684+/-180.333 χ^2/NDF:1.0/2

Left: 230.607+/-148.106 χ^2/NDF: 1.3/5

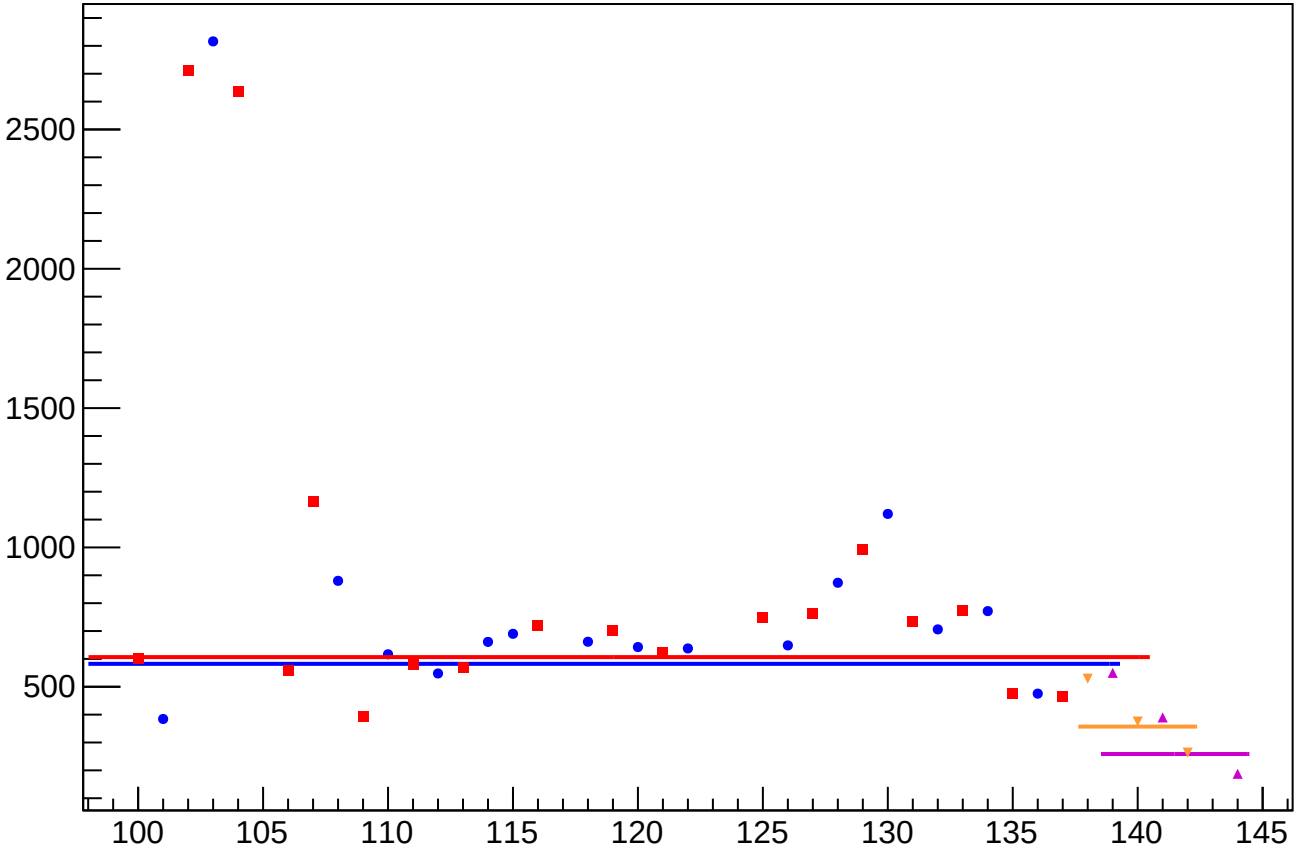
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 171.998+/-142.312 χ^2/NDF:15.3/18

Out: 57.264+/-178.538 χ^2/NDF:15.9/20

All: 127.422+/-111.285 χ^2/NDF: 31.4/39

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: 357.073+/-0.184 χ^2/NDF:272719.9/2

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 258.632+/-0.128 χ^2/NDF:895629.6/2

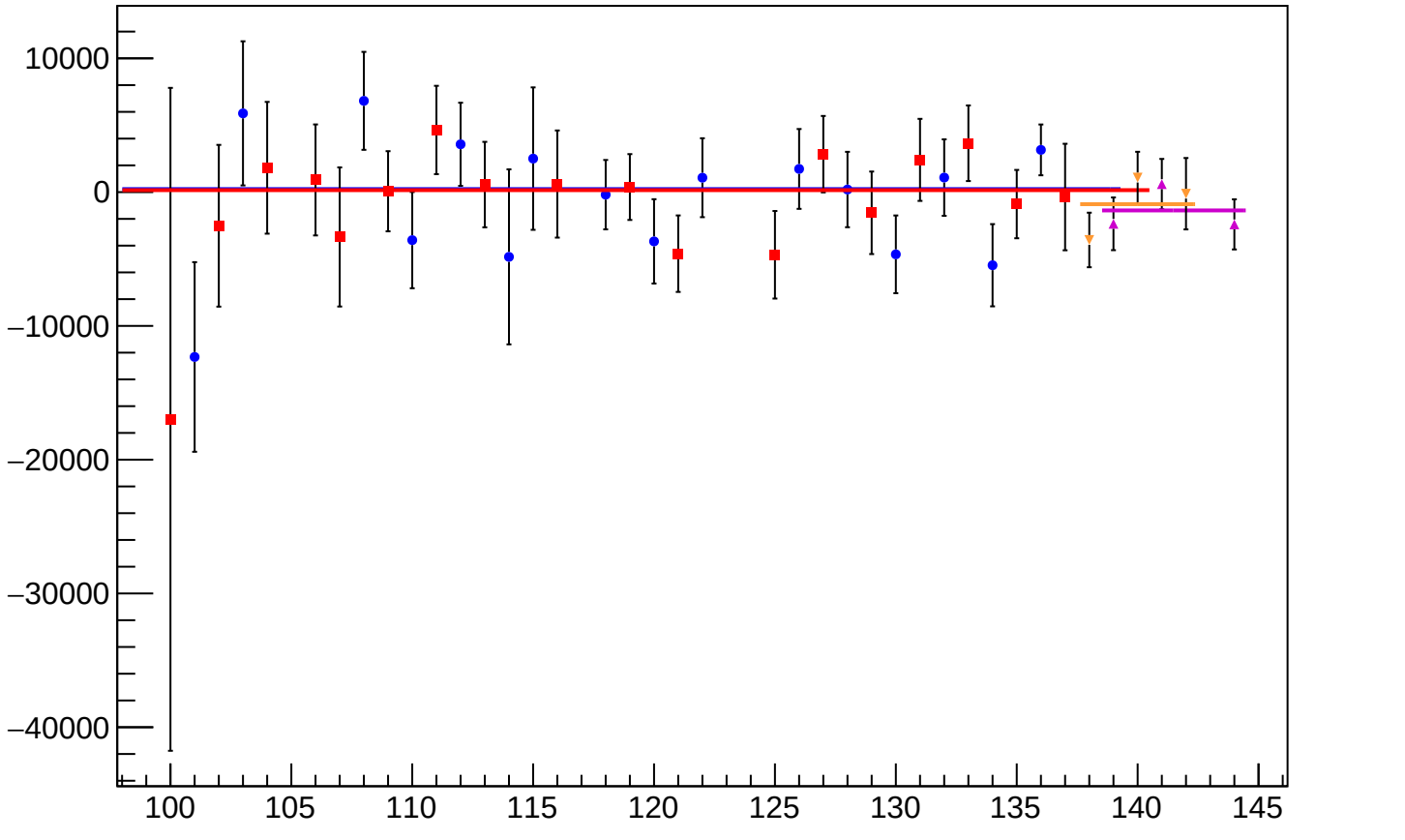
Left: 290.673+/-0.105 χ^2/NDF: 1362328.1/5

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 380.715+/-0.101 χ^2/NDF:5079818.0/18

Out: 488.499+/-0.126 χ^2/NDF:3443752.5/20

All: 422.591+/-0.079 χ^2/NDF: 8969294.1/39



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -901.407+/-1240.682 χ^2/NDF:2.9/2

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -1368.859+/-1101.321 χ^2/NDF:1.7/2

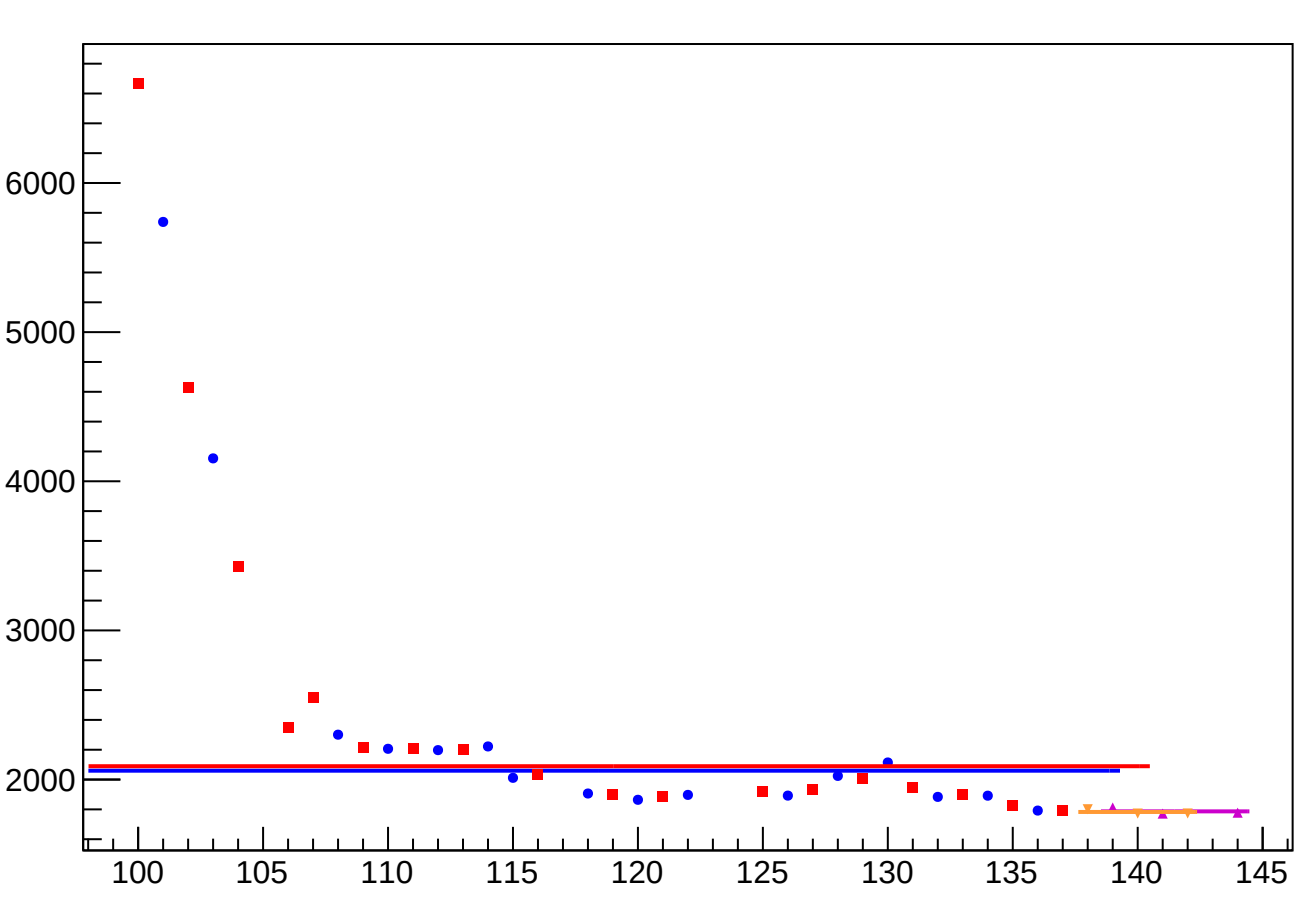
Left: -1162.851+/-823.634 χ^2/NDF: 4.6/5

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -318.327+/-642.826 χ^2/NDF:24.2/18

Out: -157.032+/-668.880 χ^2/NDF:14.9/20

All: -240.882+/-463.484 χ^2/NDF: 39.2/39



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1782.752+/-0.877 χ^2/NDF:251.1/2

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1786.689+/-0.779 χ^2/NDF:520.4/2

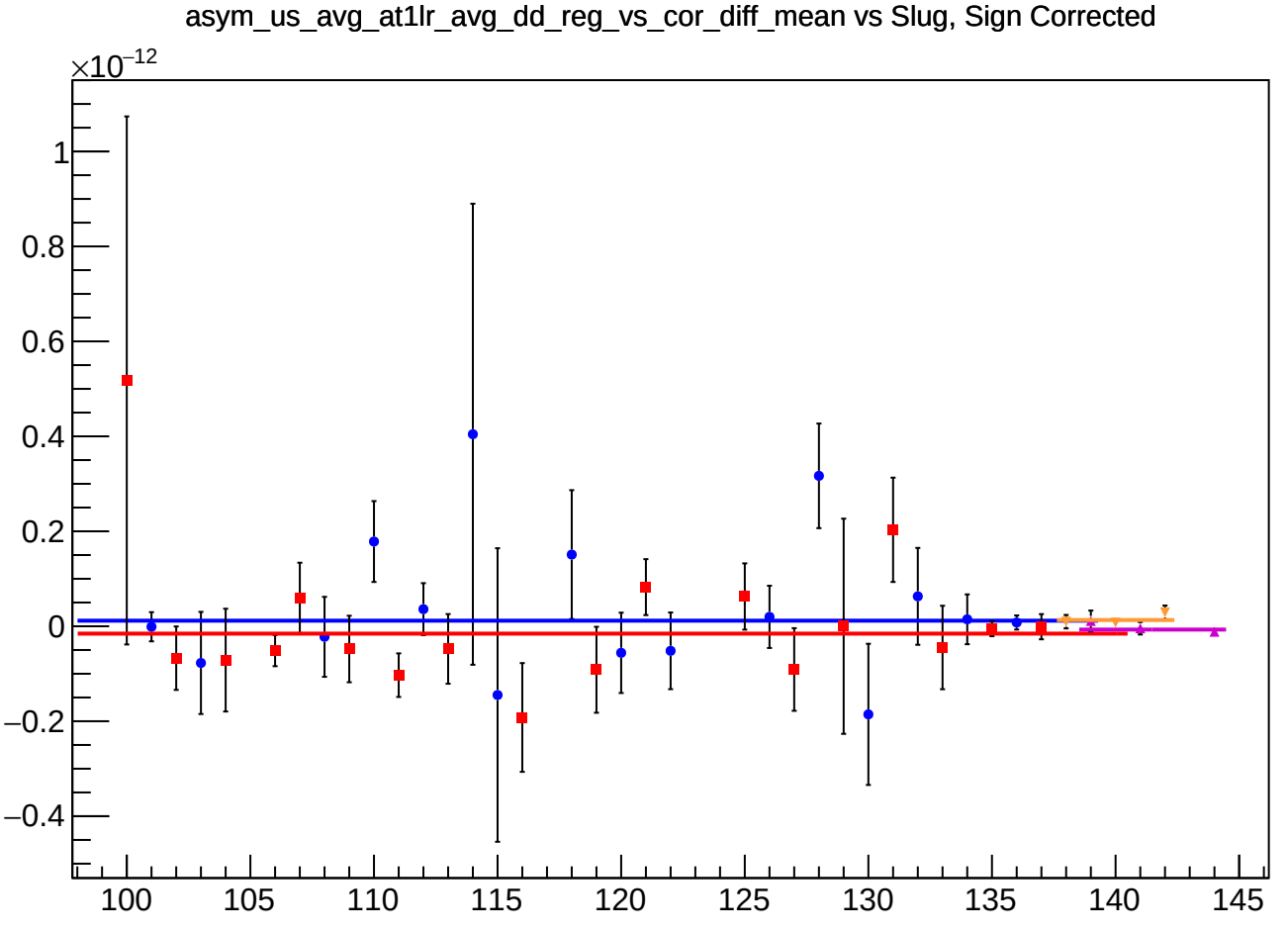
Left: 1784.954+/-0.582 χ^2/NDF: 782.7/5

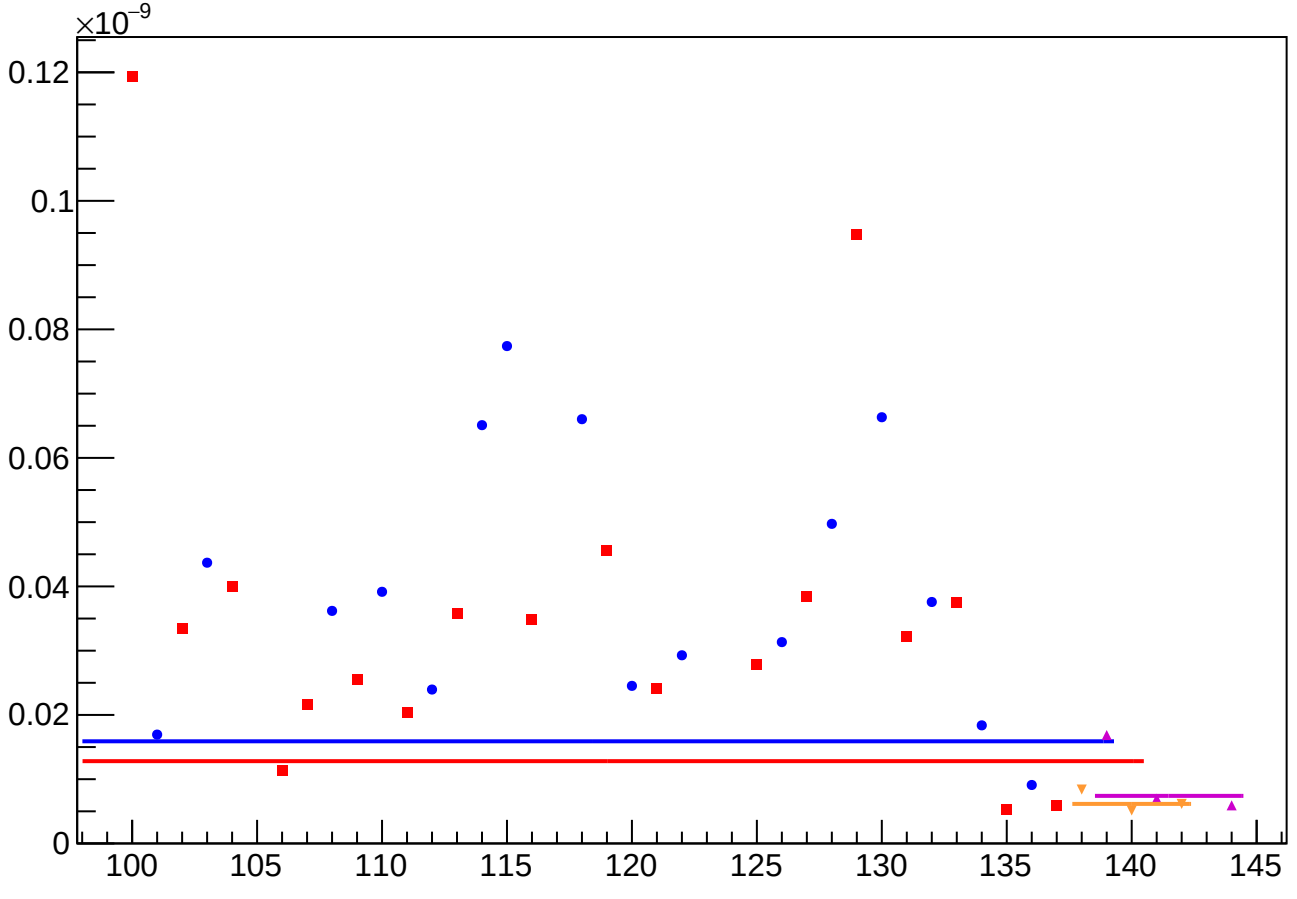
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1966.554+/-0.455 χ^2/NDF:1021303.9/18

Out: 2000.326+/-0.473 χ^2/NDF:768426.1/20

All: 1982.770+/-0.328 χ^2/NDF: 1792380.6/39


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1.6/2
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:1.0/2
Left: 0.000+/-0.000 χ²/NDF: 6.6/5
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:20.9/18
Out: 0.000+/-0.000 χ²/NDF:27.4/20
All: 0.000+/-0.000 χ²/NDF: 48.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:72228.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:426322.5/2

Left: 0.000+/-0.000 χ^2/NDF: 529916.4/5

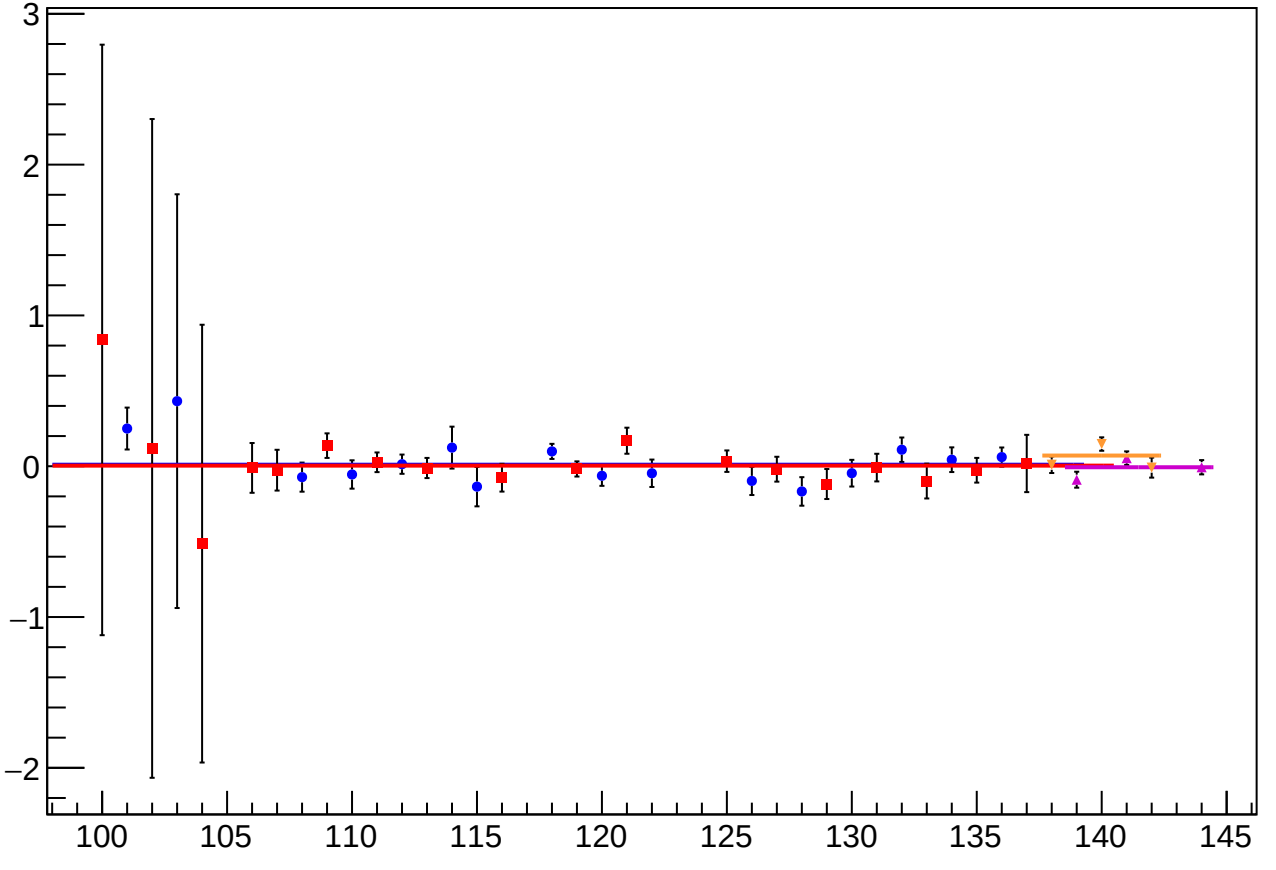
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3141345.5/18

Out: 0.000+/-0.000 χ^2/NDF:3102596.5/20

All: 0.000+/-0.000 χ^2/NDF: 6316153.6/39

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.028 χ^2/NDF:4.2/2

Left: 0.028+/-0.021 χ^2/NDF: 13.3/5

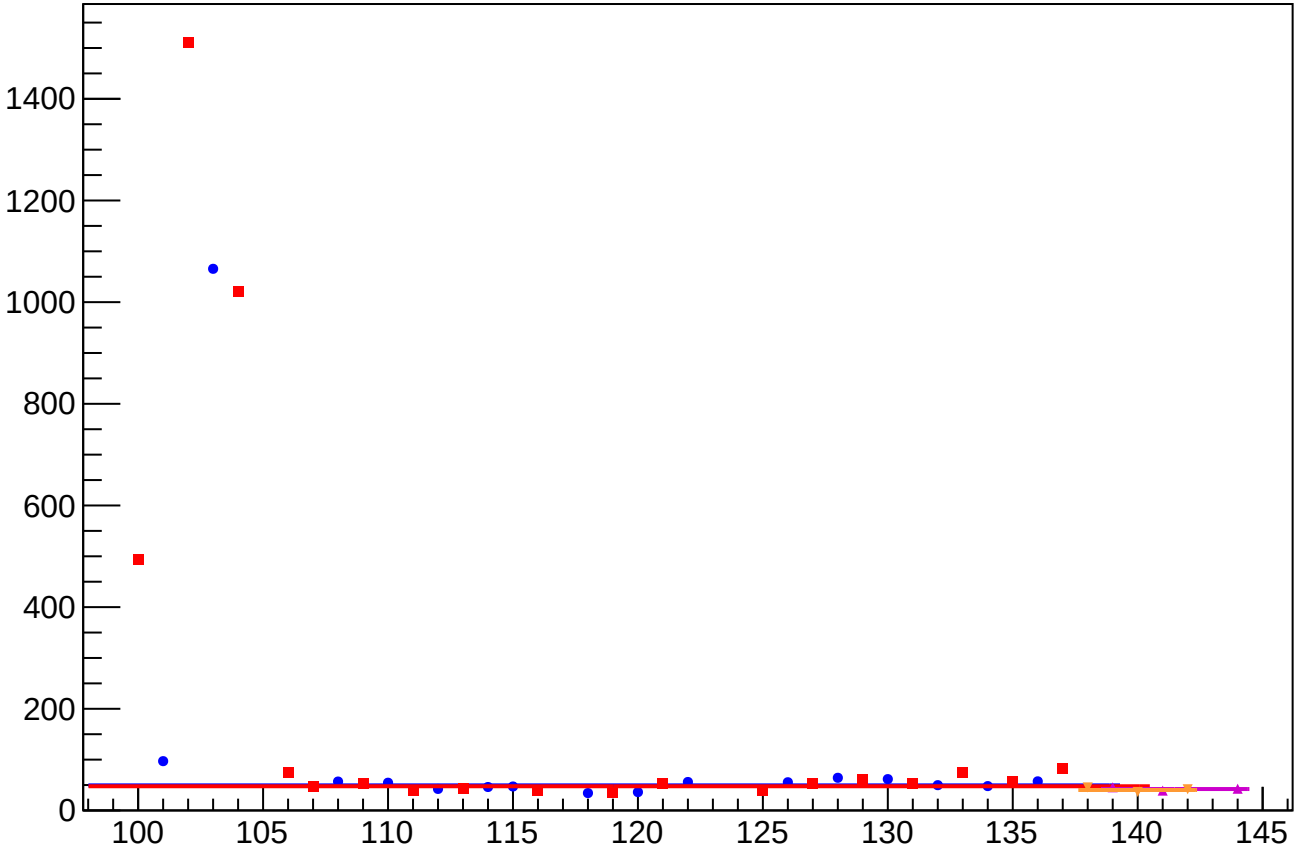
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.004+/-0.017 χ^2/NDF:22.9/18

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.014+/-0.012 χ^2/NDF: 43.0/39

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: 40.267+/-0.022 χ^2/NDF:33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.145+/-0.020 χ^2/NDF:18280.1/2

Left: 41.298+/-0.015 χ^2/NDF: 55495.7/5

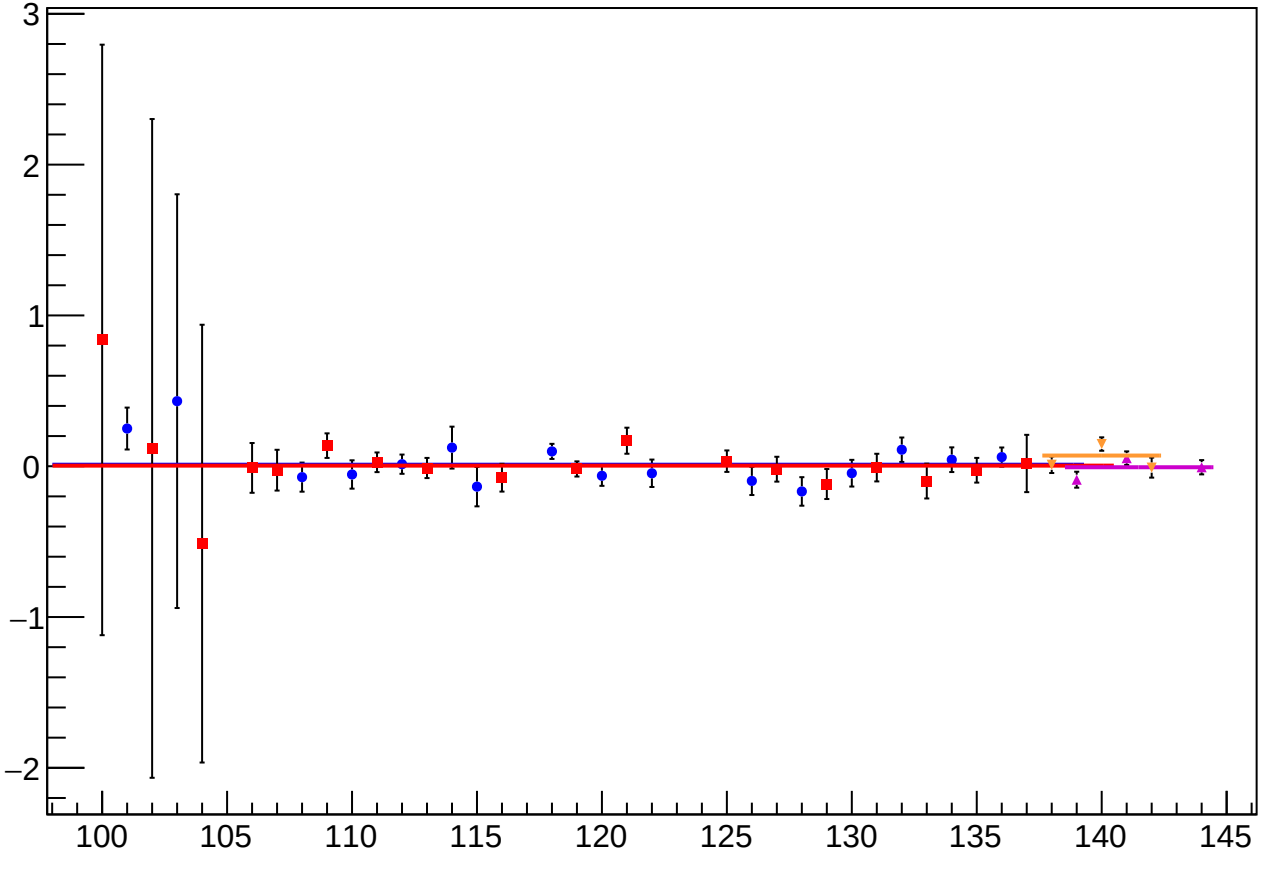
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.728+/-0.012 χ^2/NDF:1880530.2/18

Out: 45.184+/-0.012 χ^2/NDF:2528010.6/20

All: 45.995+/-0.009 χ^2/NDF: 4416630.4/39

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.028 χ^2/NDF:4.2/2

Left: 0.028+/-0.021 χ^2/NDF: 13.3/5

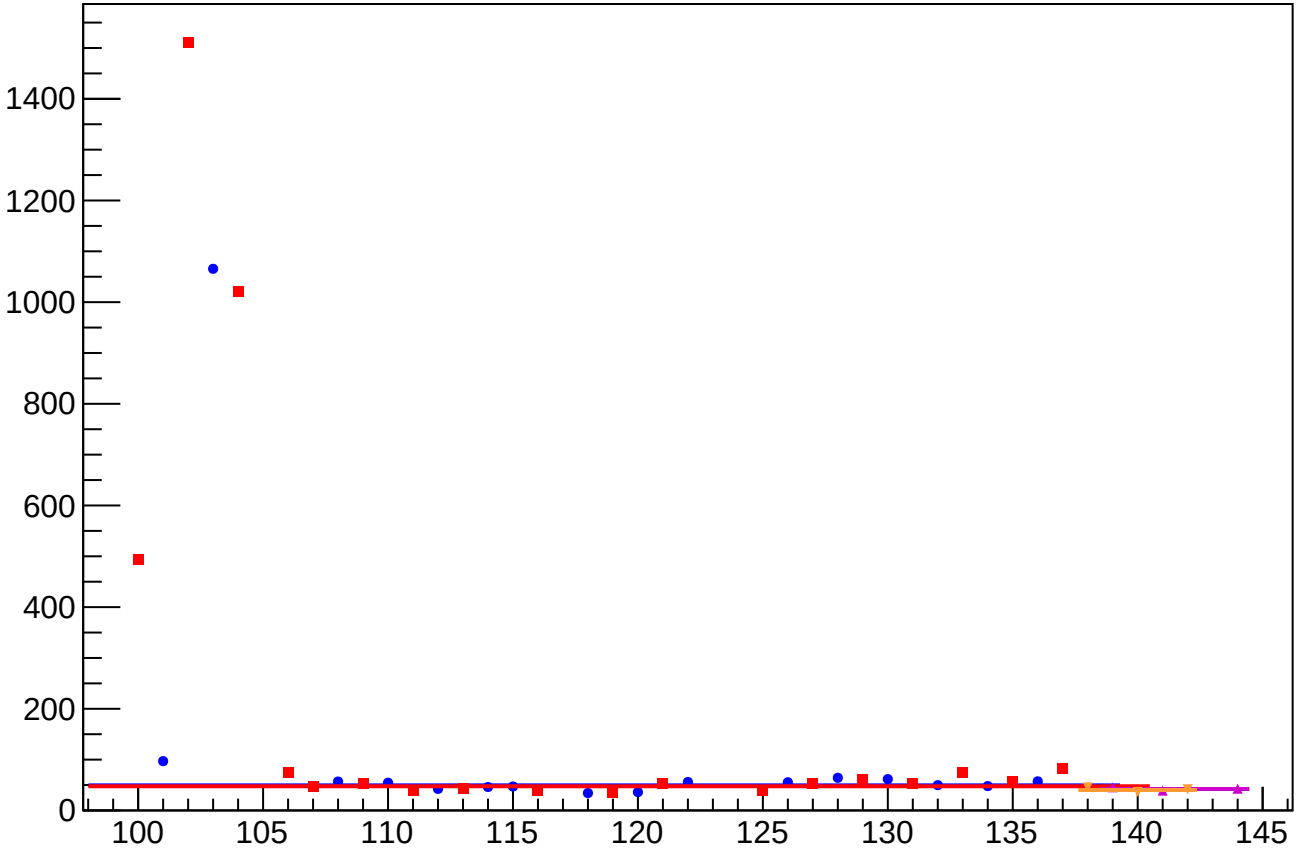
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.004+/-0.017 χ^2/NDF:22.9/18

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.014+/-0.012 χ^2/NDF: 43.0/39

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: 40.267+/-0.022 χ^2/NDF:33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.145+/-0.020 χ^2/NDF:18280.1/2

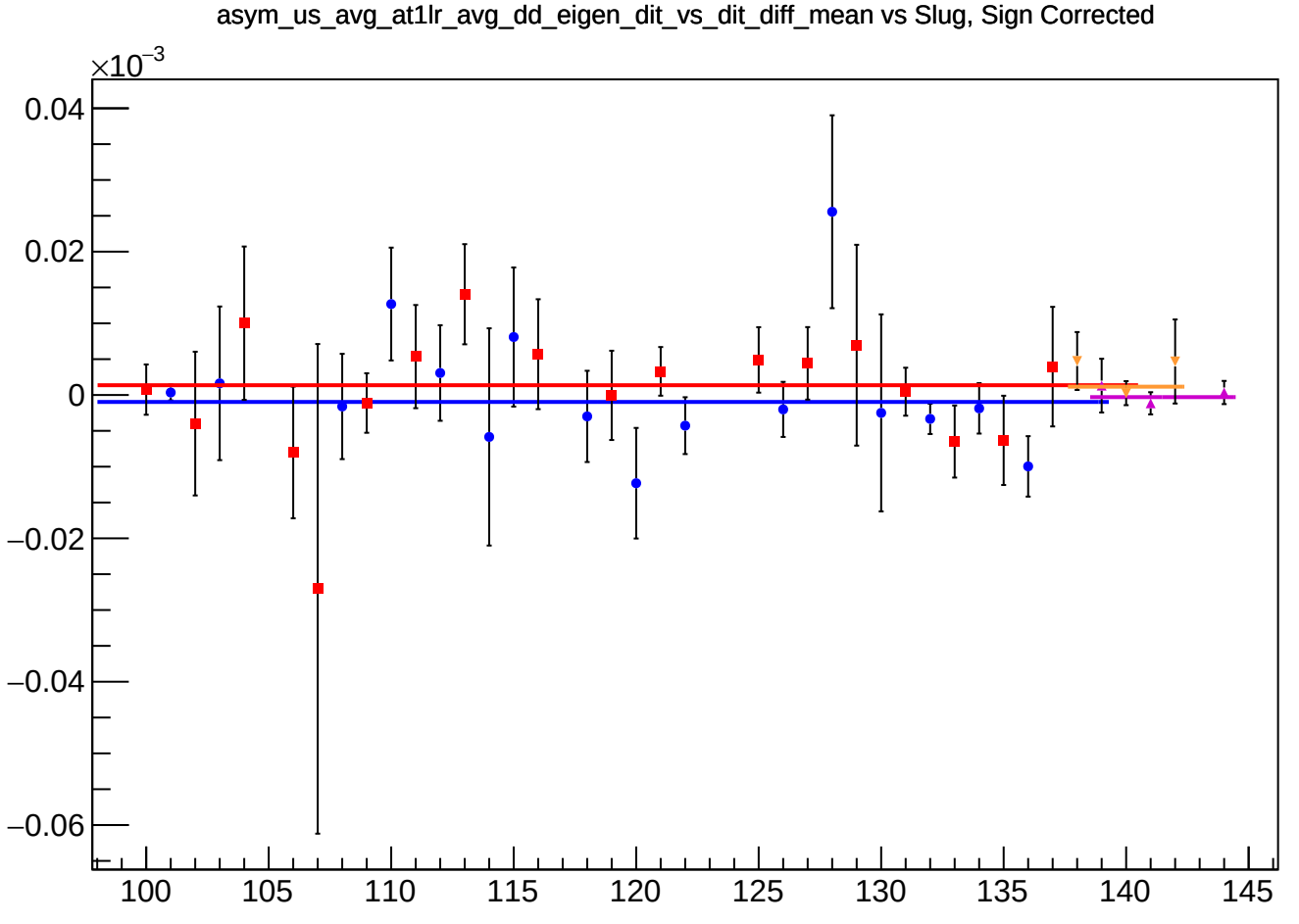
Left: 41.298+/-0.015 χ^2/NDF: 55495.7/5

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.728+/-0.012 χ^2/NDF:1880530.2/18

Out: 45.184+/-0.012 χ^2/NDF:2528010.6/20

All: 45.995+/-0.009 χ^2/NDF: 4416630.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

Left: 0.000+/-0.000 χ^2/NDF: 2.7/5

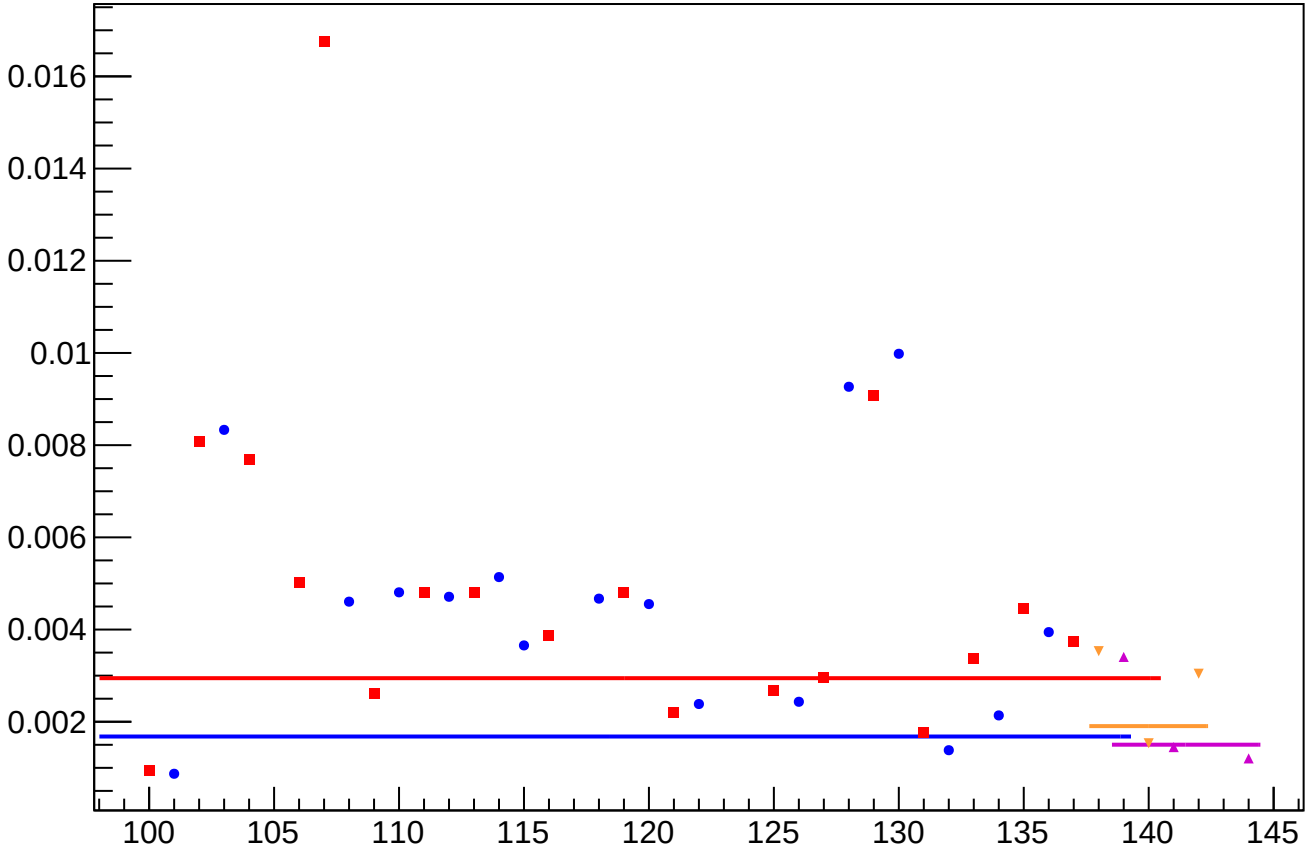
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.5/18

Out: 0.000+/-0.000 χ^2/NDF:14.1/20

All: -0.000+/-0.000 χ^2/NDF: 36.5/39

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:497555.6/2

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:586114.4/2

Left: 0.002+/-0.000 χ^2/NDF: 1179562.7/5

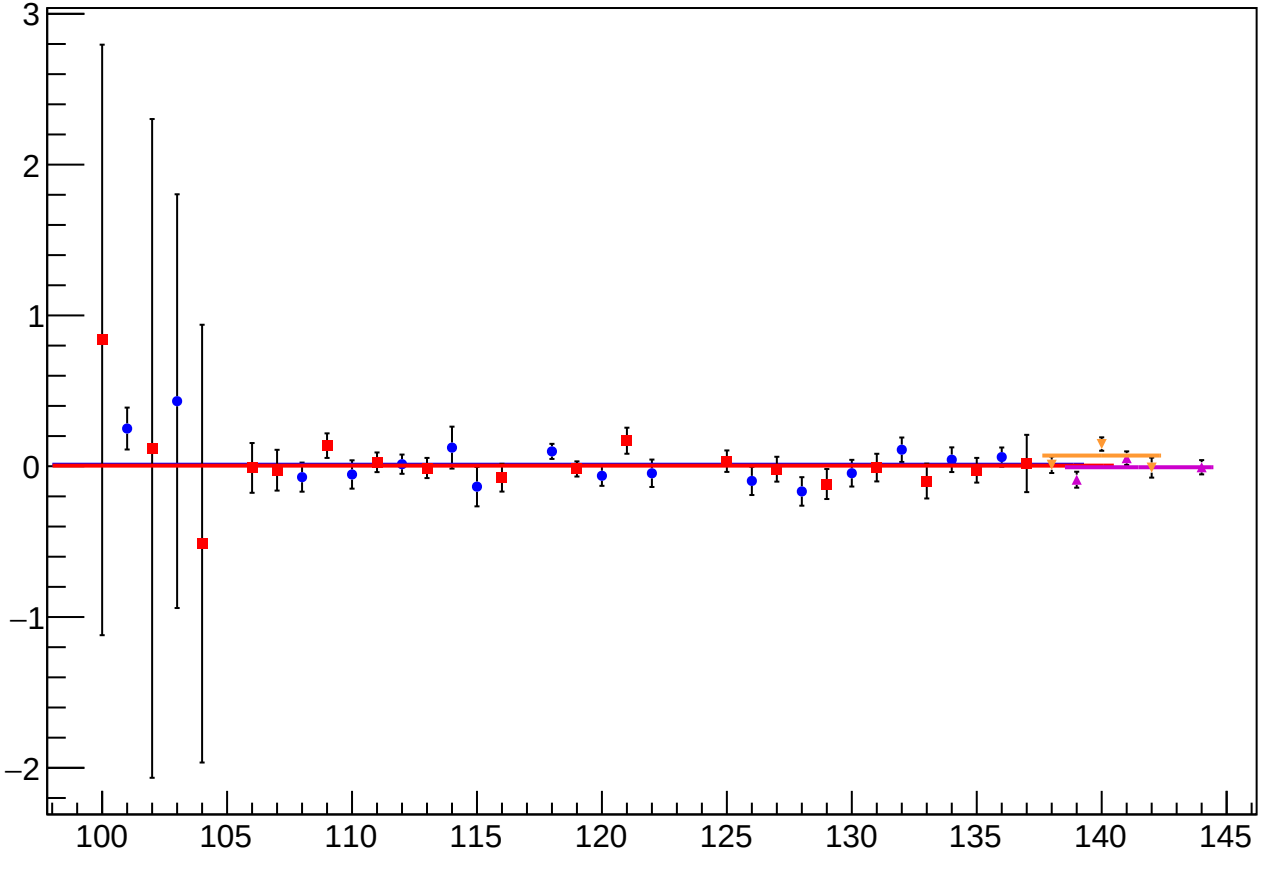
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6580683.9/18

Out: 0.003+/-0.000 χ^2/NDF:4431509.9/20

All: 0.002+/-0.000 χ^2/NDF: 12153854.3/39

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.028 χ^2/NDF:4.2/2

Left: 0.028+/-0.021 χ^2/NDF: 13.3/5

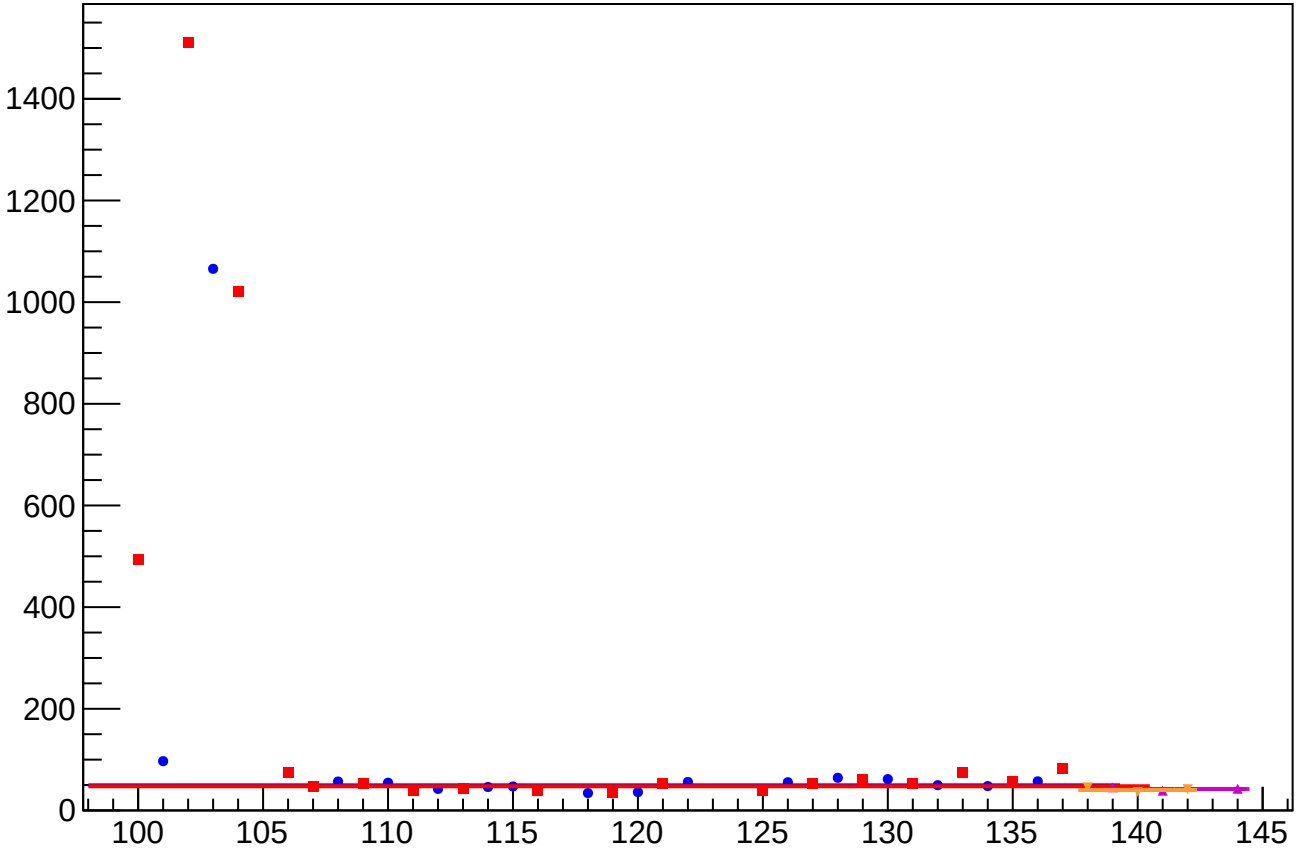
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.004+/-0.017 χ^2/NDF:22.9/18

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.014+/-0.012 χ^2/NDF: 43.0/39

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: 40.267+/-0.022 χ^2/NDF:33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.144+/-0.020 χ^2/NDF:18279.0/2

Left: 41.297+/-0.015 χ^2/NDF: 55499.3/5

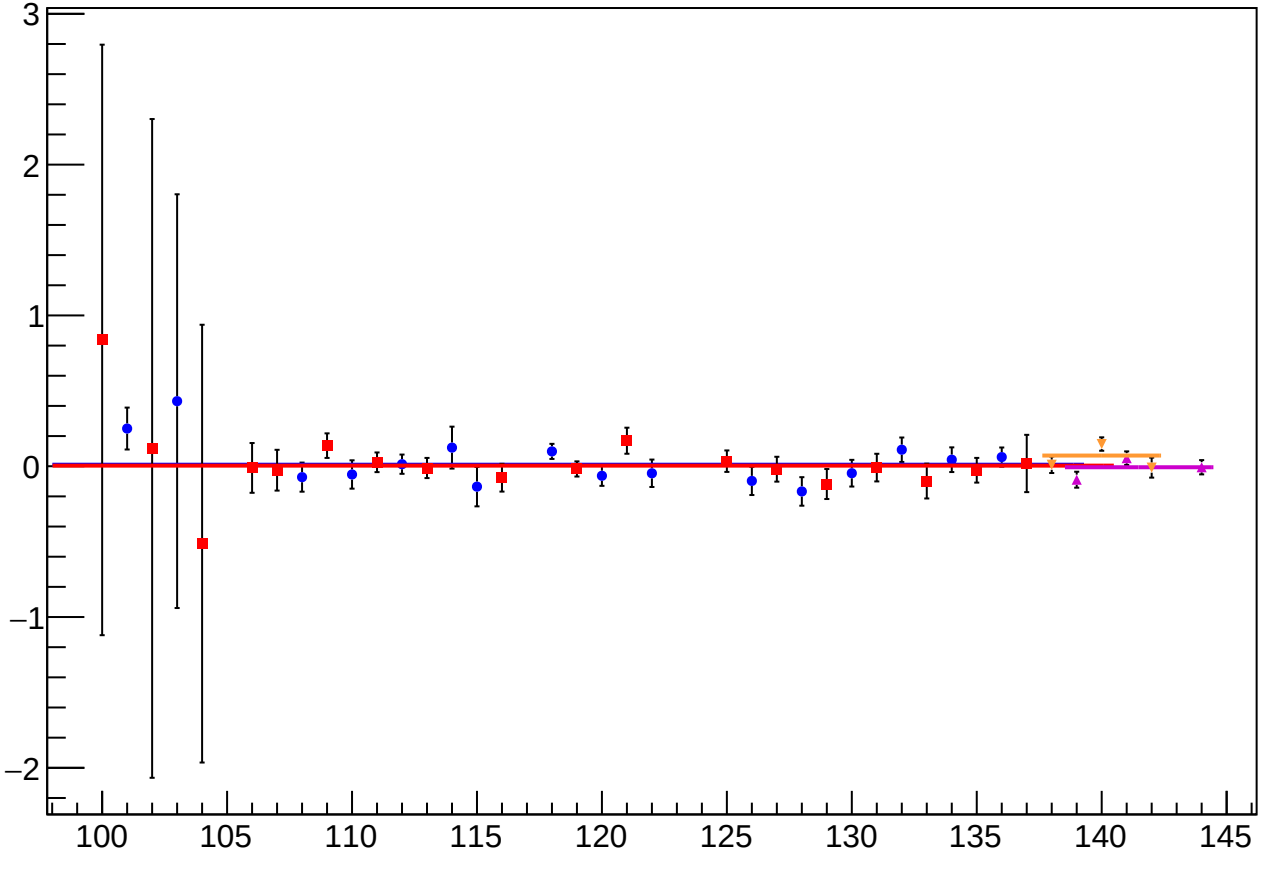
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.728+/-0.012 χ^2/NDF:1880480.0/18

Out: 45.184+/-0.012 χ^2/NDF:2528031.4/20

All: 45.995+/-0.009 χ^2/NDF: 4416605.9/39

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.028 χ^2/NDF:4.2/2

Left: 0.028+/-0.021 χ^2/NDF: 13.3/5

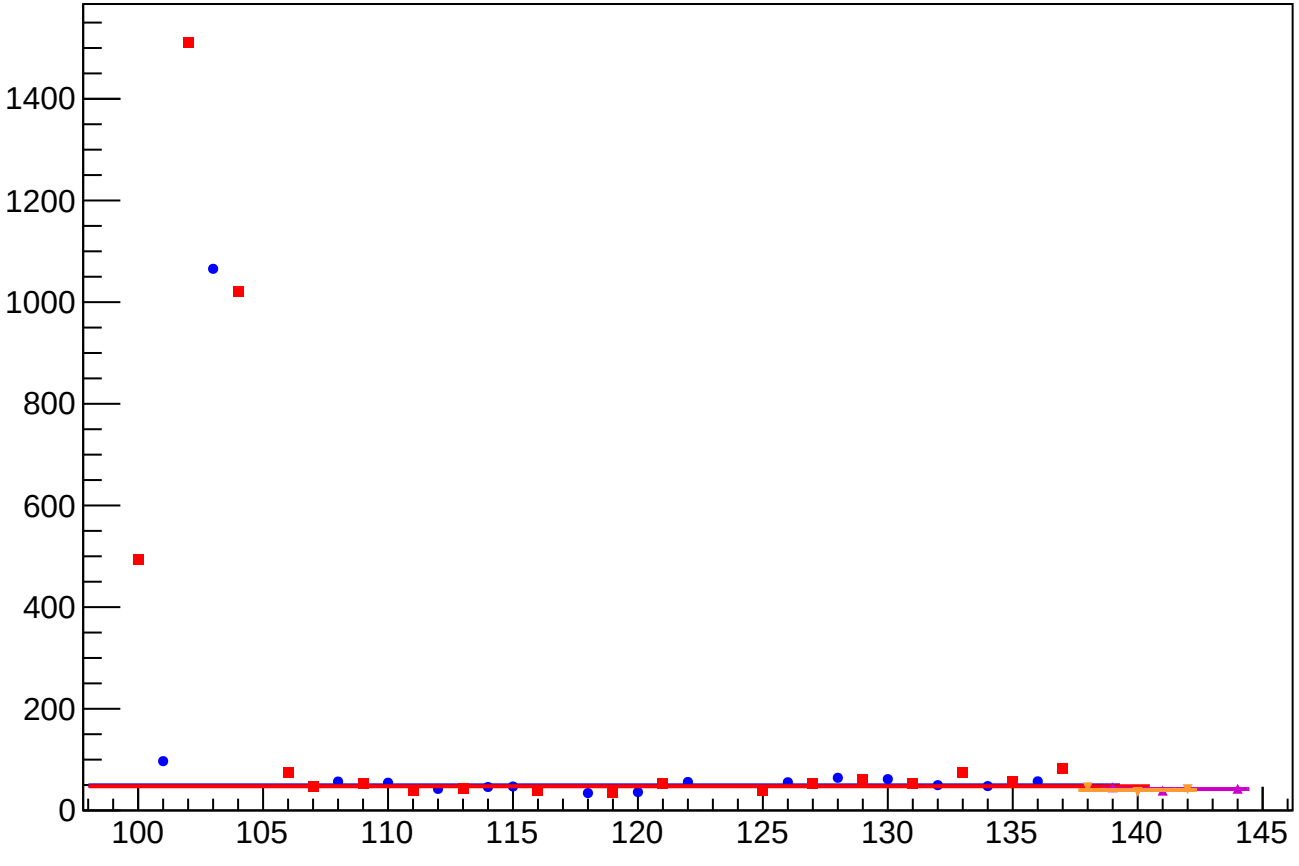
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.004+/-0.017 χ^2/NDF:22.9/18

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.014+/-0.012 χ^2/NDF: 43.0/39

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: 40.267+/-0.022 χ^2/NDF:33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.144+/-0.020 χ^2/NDF:18279.0/2

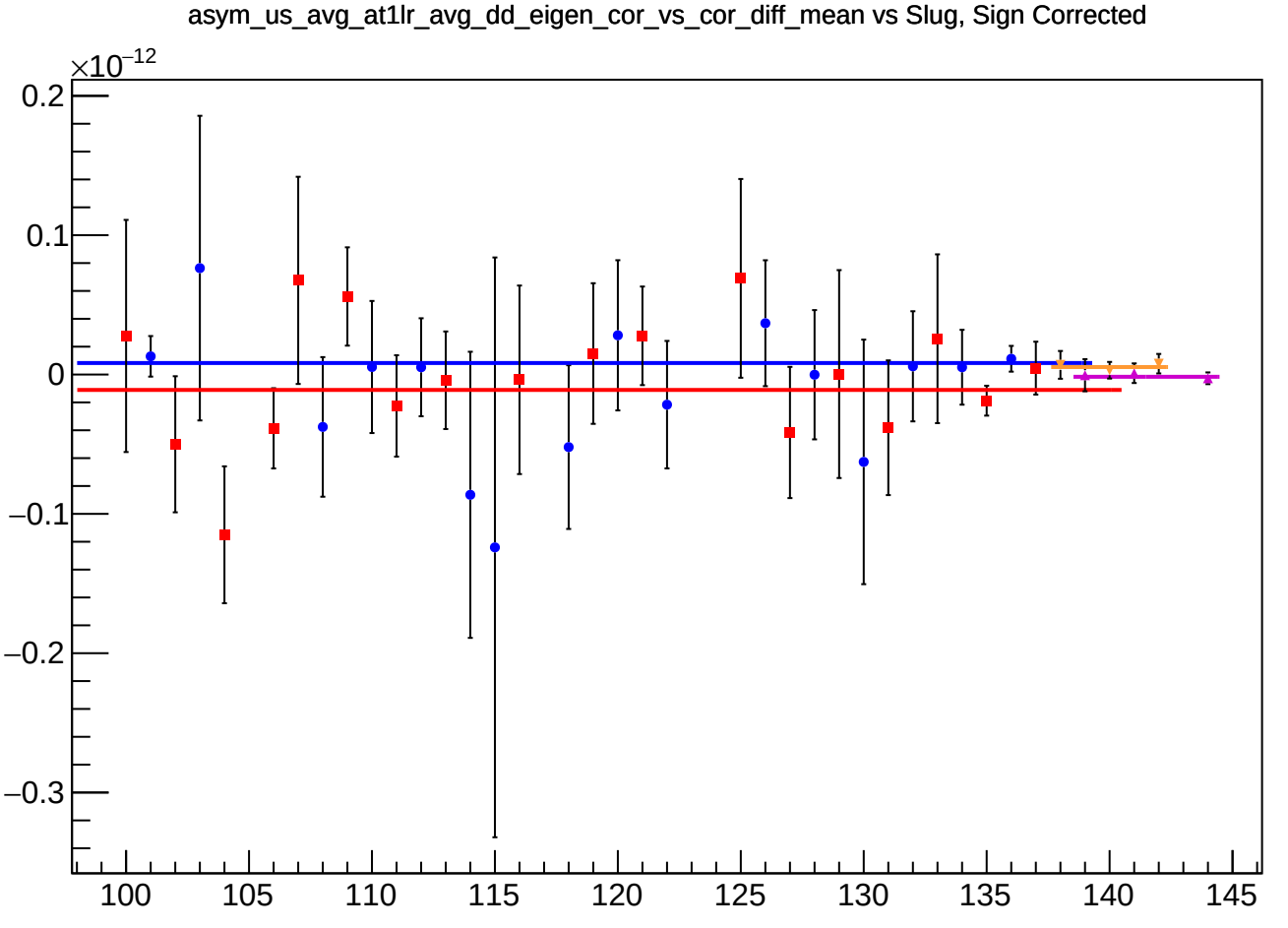
Left: 41.297+/-0.015 χ^2/NDF: 55499.3/5

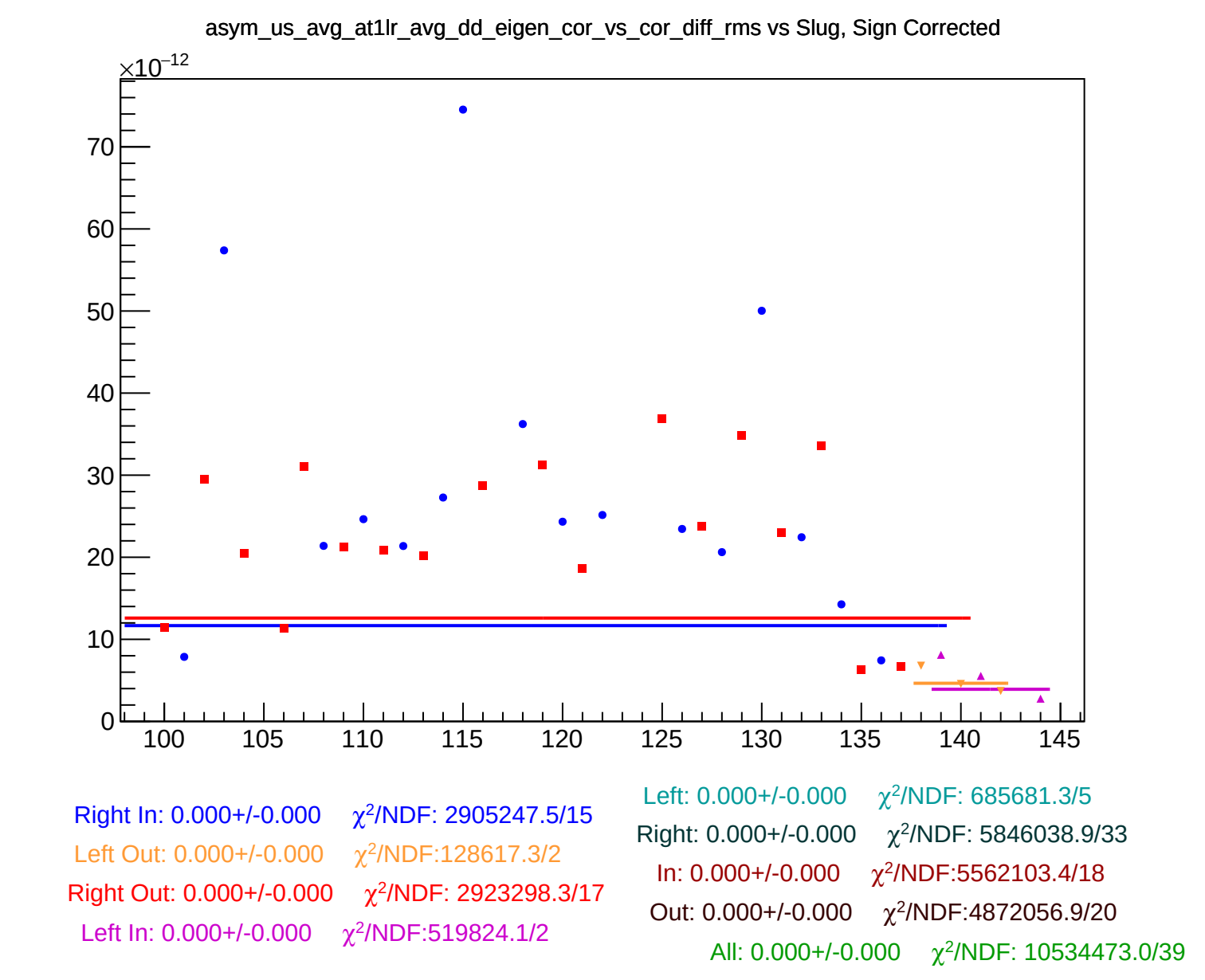
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

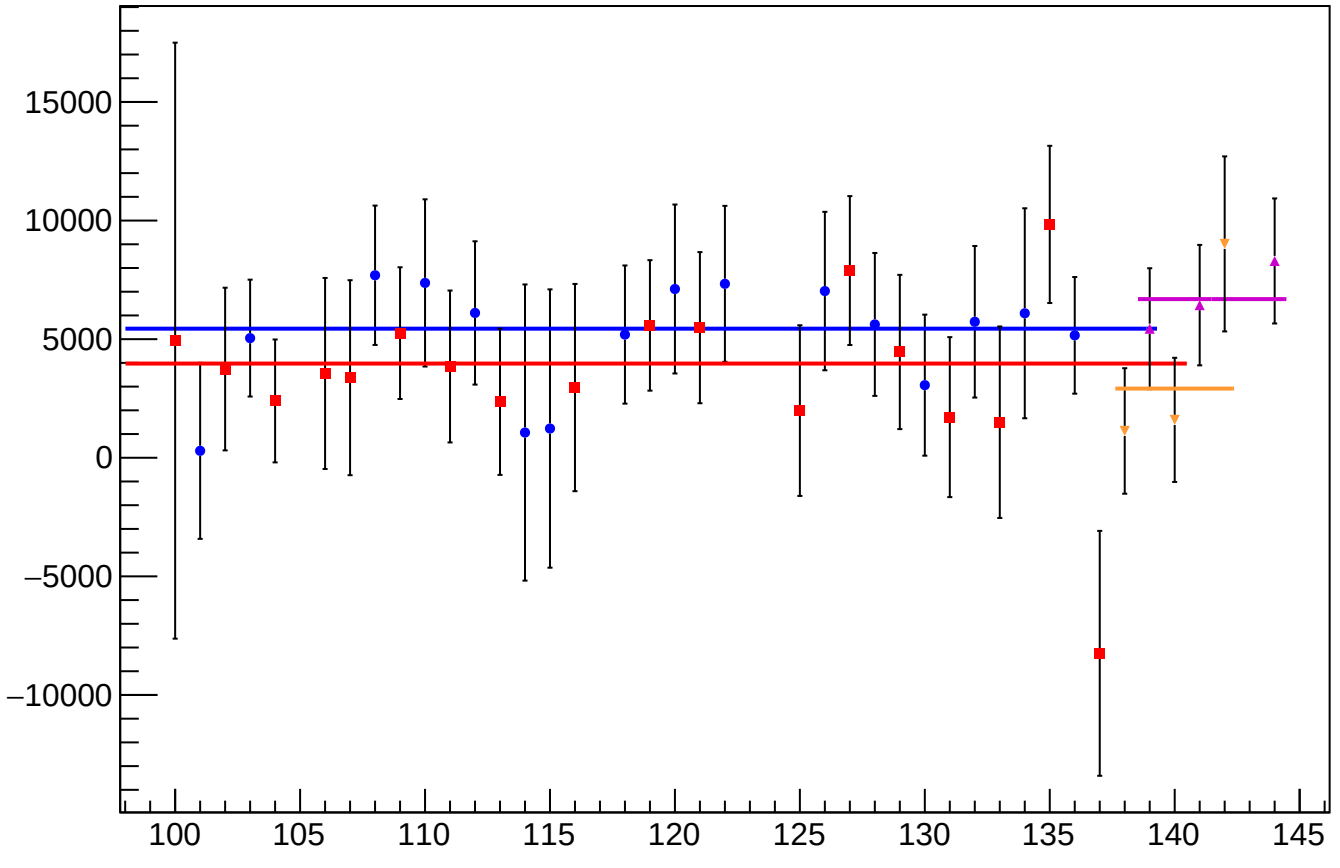
In: 46.728+/-0.012 χ^2/NDF:1880480.0/18

Out: 45.184+/-0.012 χ^2/NDF:2528031.4/20

All: 45.995+/-0.009 χ^2/NDF: 4416605.9/39


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/2
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:0.2/2
Left: 0.000+/-0.000 χ²/NDF: 2.2/5
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: 0.000+/-0.000 χ²/NDF:7.4/18
Out: 0.000+/-0.000 χ²/NDF:20.4/20
All: 0.000+/-0.000 χ²/NDF: 27.8/39


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:128617.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:519824.1/2
Left: 0.000+/-0.000 χ²/NDF: 685681.3/5
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:5562103.4/18
Out: 0.000+/-0.000 χ²/NDF:4872056.9/20
All: 0.000+/-0.000 χ²/NDF: 10534473.0/39



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.048+/-1661.288 χ^2/NDF:3.4/2

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 6689.076+/-1485.910 χ^2/NDF:0.6/2

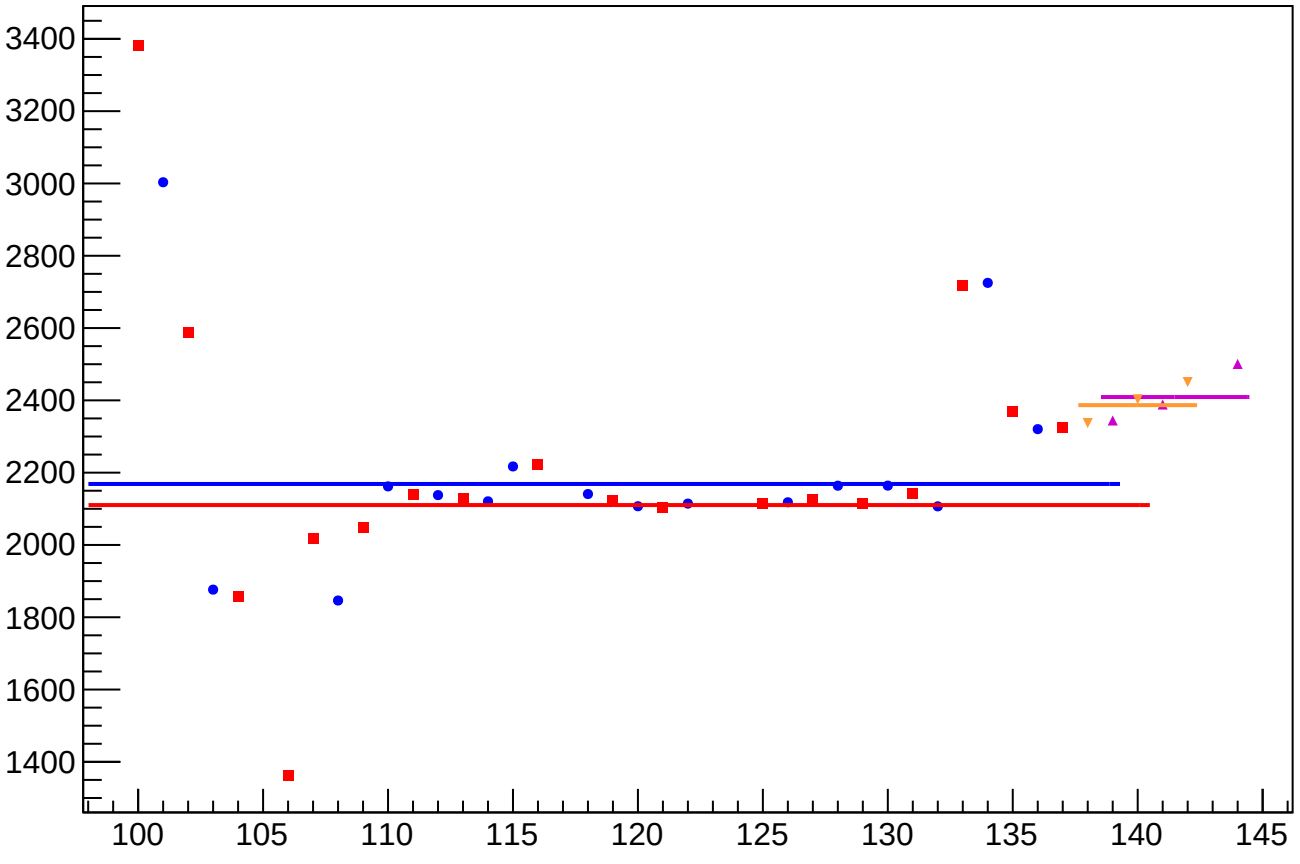
Left: 5012.608+/-1107.529 χ^2/NDF: 6.9/5

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5729.320+/-712.908 χ^2/NDF:6.5/18

Out: 3769.553+/-727.359 χ^2/NDF:16.7/20

All: 4769.098+/-509.135 χ^2/NDF: 27.0/39



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2386.741+/-1.175 χ^2/NDF:1373.8/2

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

Left: 2399.222+/-0.783 χ^2/NDF: 5416.9/5

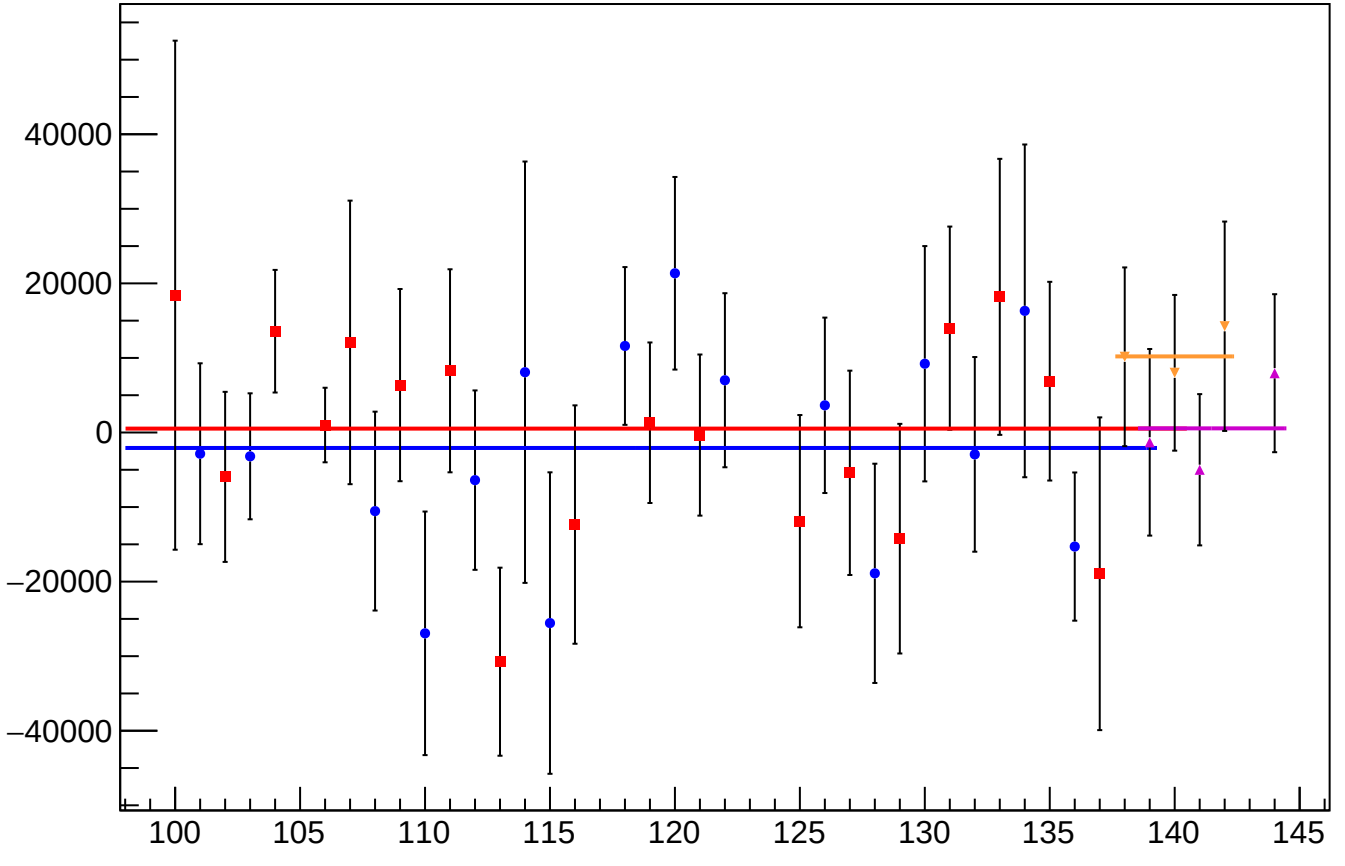
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2224.073+/-0.504 χ^2/NDF:239829.3/18

Out: 2161.987+/-0.508 χ^2/NDF:313801.4/20

All: 2193.250+/-0.358 χ^2/NDF: 561161.6/39

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: 10204.811+/-6867.467 χ^2/NDF:0.1/2

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 554.439+/-6323.165 χ^2/NDF:0.8/2

Left: 4982.087+/-4651.693 χ^2/NDF: 2.0/5

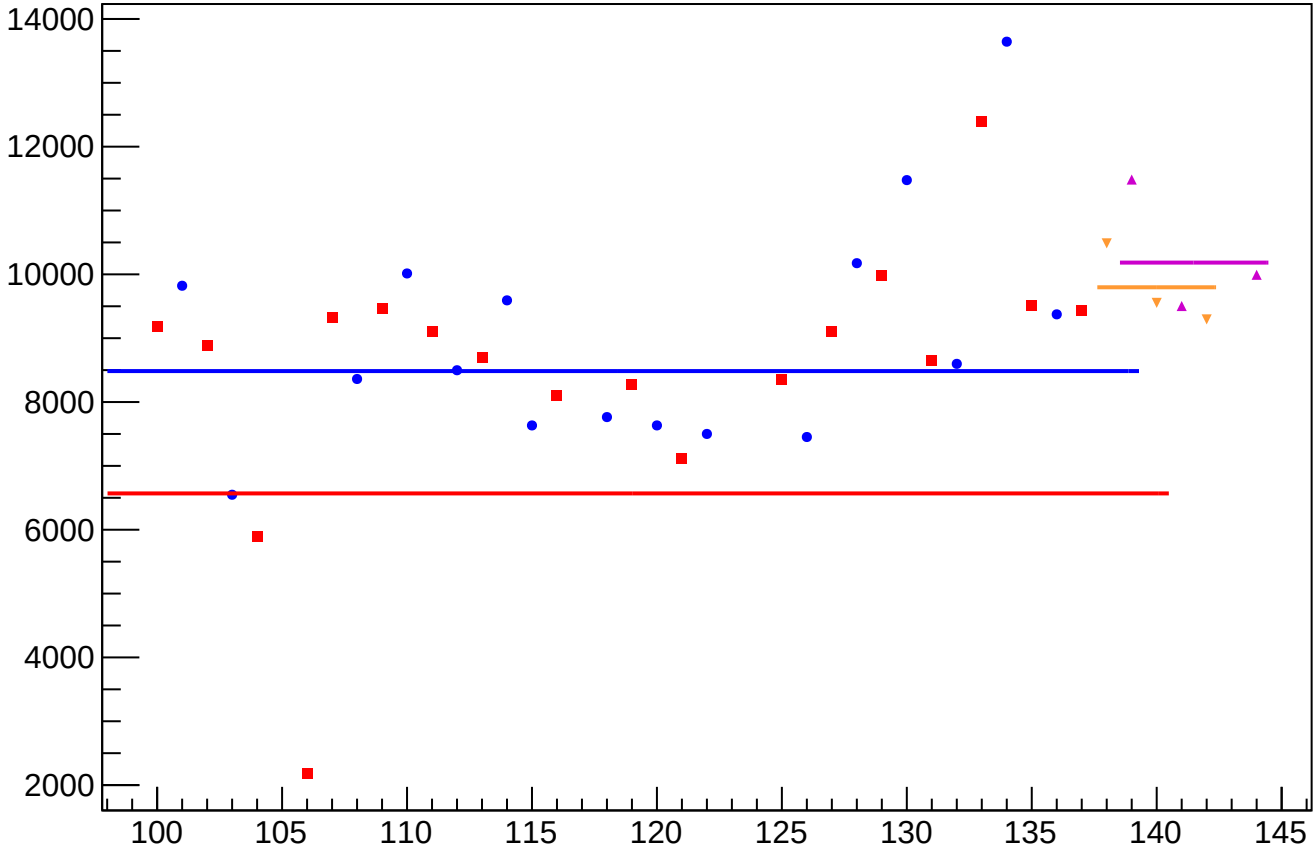
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -1535.524+/-2863.774 χ^2/NDF:15.4/18

Out: 1830.835+/-2525.321 χ^2/NDF:17.5/20

All: 358.244+/-1894.086 χ^2/NDF: 33.7/39

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9797.461+/-4.856 χ^2/NDF:10250.6/2

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10184.094+/-4.471 χ^2/NDF:31251.0/2

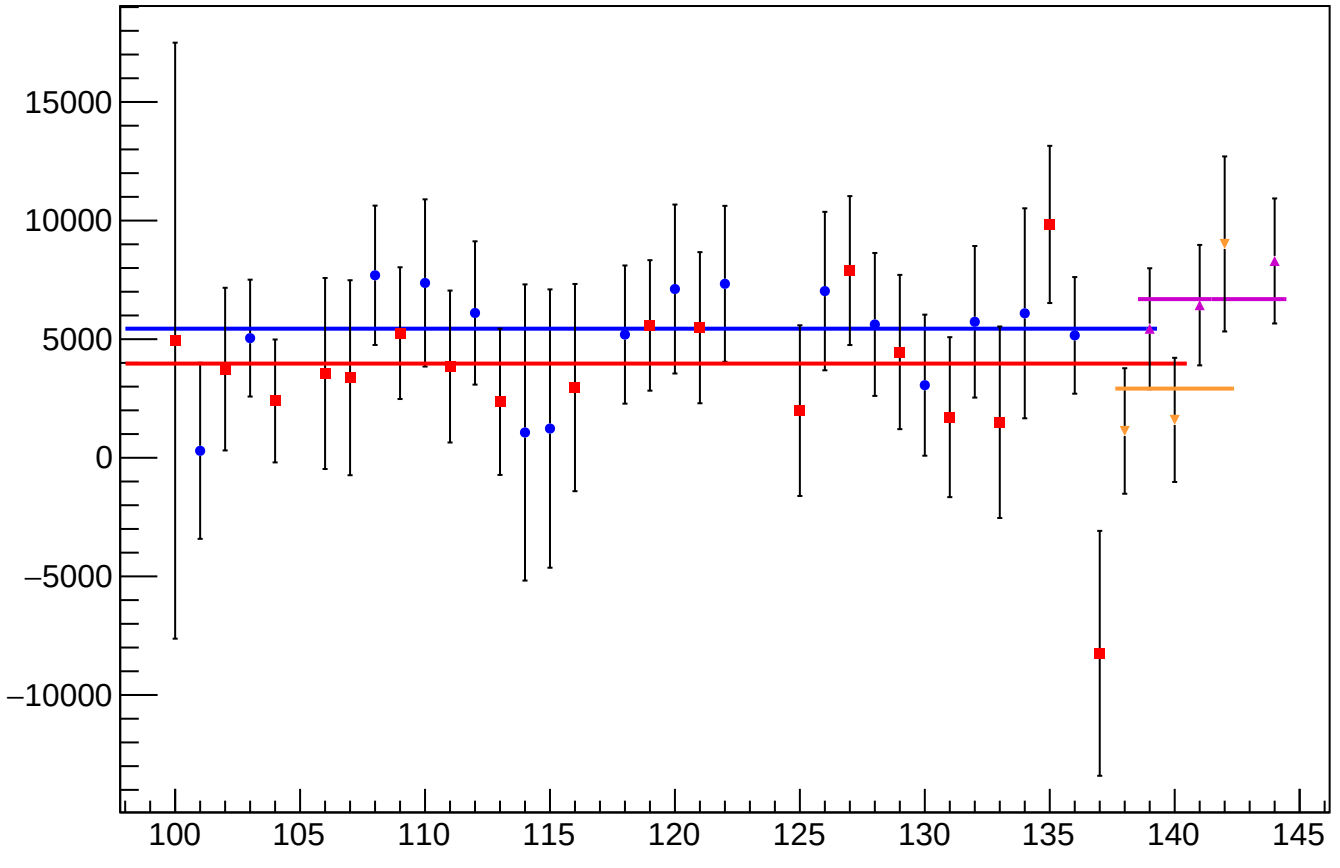
Left: 10006.704+/-3.289 χ^2/NDF: 44932.4/5

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8833.518+/-2.025 χ^2/NDF:568745.3/18

Out: 7005.301+/-1.786 χ^2/NDF:2961443.9/20

All: 7805.043+/-1.339 χ^2/NDF: 3988726.1/39



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.078+/-1661.288 χ^2/NDF:3.4/2

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 6689.371+/-1485.910 χ^2/NDF:0.6/2

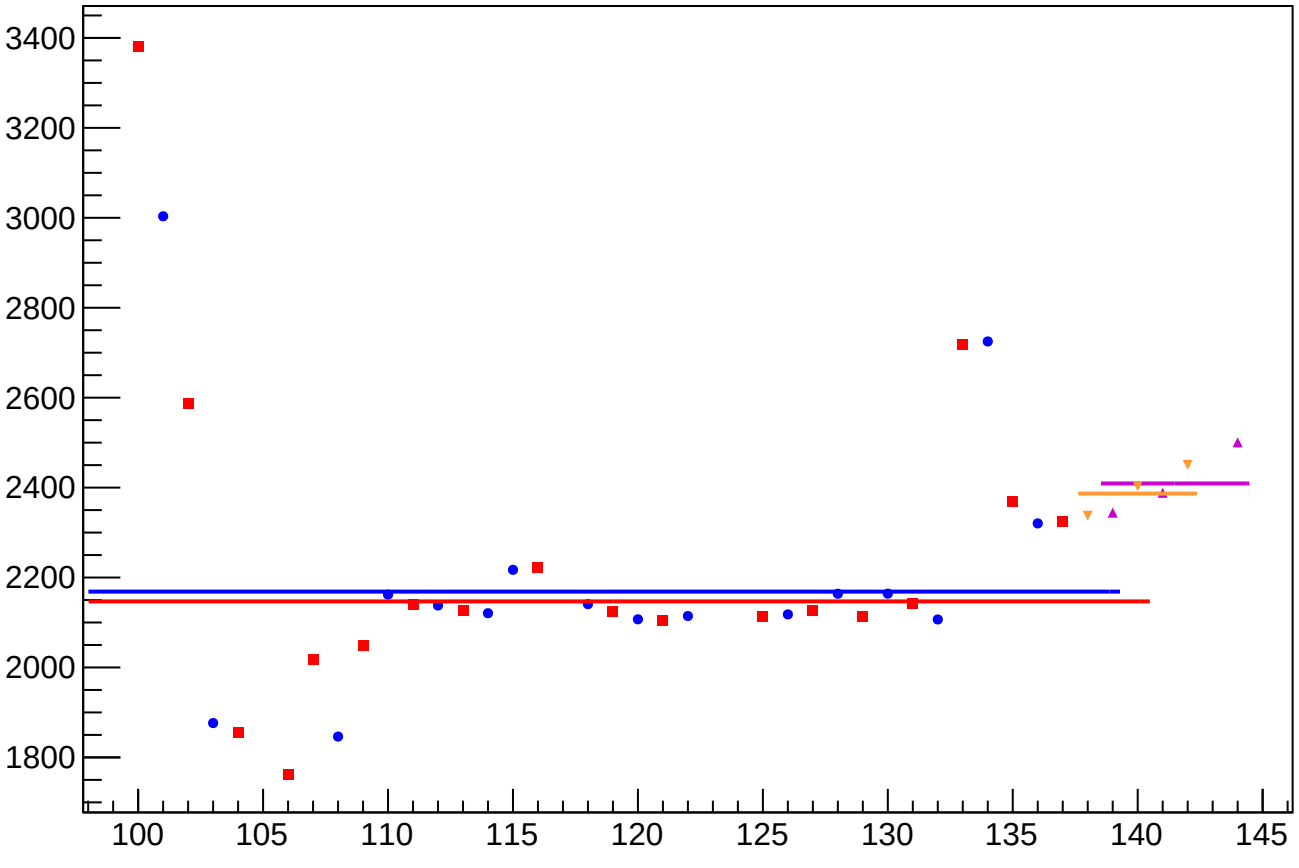
Left: 5012.785+/-1107.529 χ^2/NDF: 6.9/5

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5729.498+/-712.908 χ^2/NDF:6.5/18

Out: 3769.350+/-727.359 χ^2/NDF:16.7/20

All: 4769.089+/-509.135 χ^2/NDF: 27.0/39



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF:1373.8/2

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

Left: 2399.222+/-0.783 χ^2/NDF: 5416.9/5

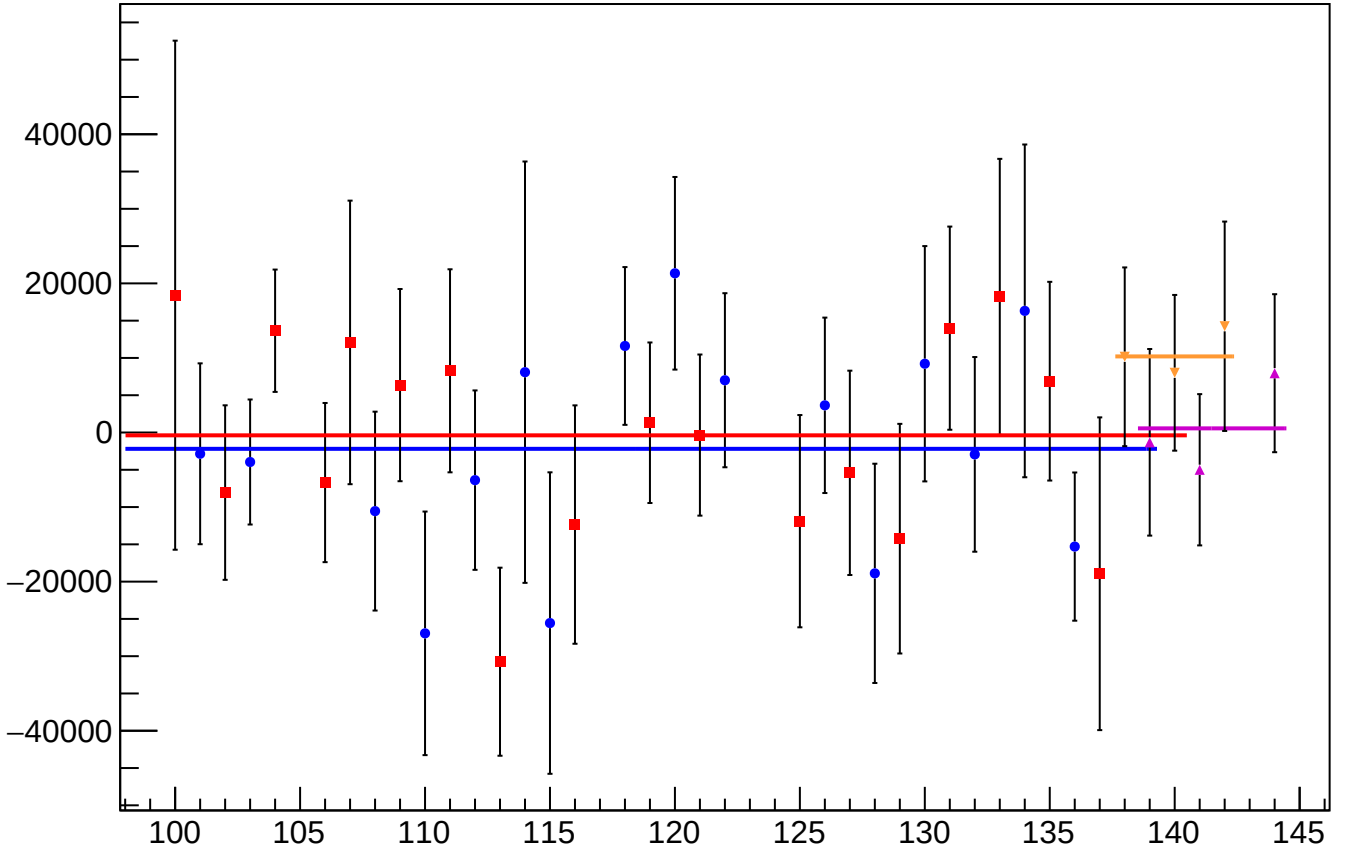
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.073+/-0.504 χ^2/NDF:239829.7/18

Out: 2192.497+/-0.512 χ^2/NDF:192887.0/20

All: 2208.539+/-0.359 χ^2/NDF: 434647.0/39

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: 10204.876+/-6867.456 χ^2/NDF:0.1/2

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 554.519+/-6323.159 χ^2/NDF:0.8/2

Left: 4982.162+/-4651.687 χ^2/NDF: 2.0/5

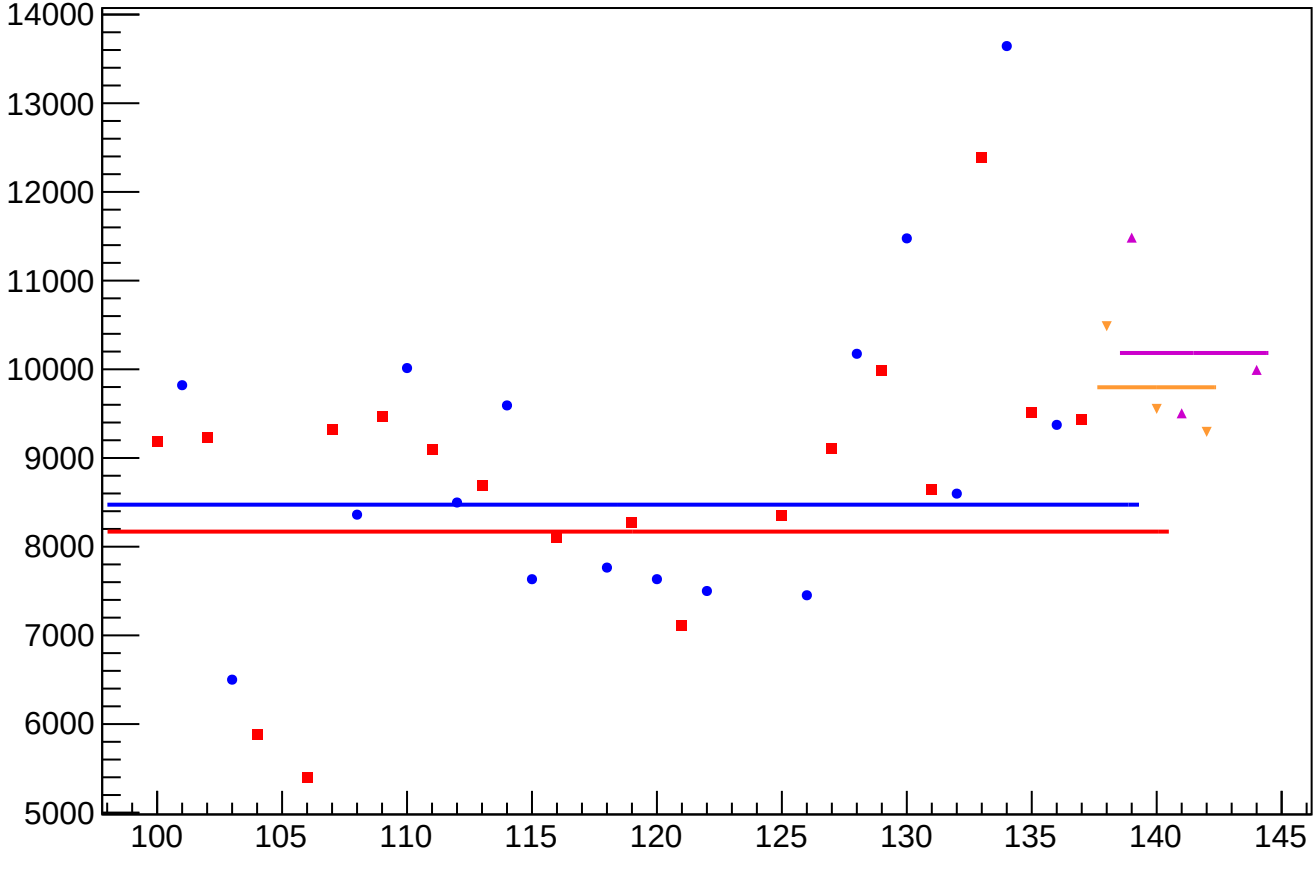
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1627.446+/-2861.244 χ^2/NDF:15.4/18

Out: 1412.331+/-2825.434 χ^2/NDF:18.4/20

All: -88.417+/-2010.425 χ^2/NDF: 34.4/39

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: 9797.445+/-4.856 χ^2/NDF:10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10184.082+/-4.471 χ^2/NDF:31251.5/2

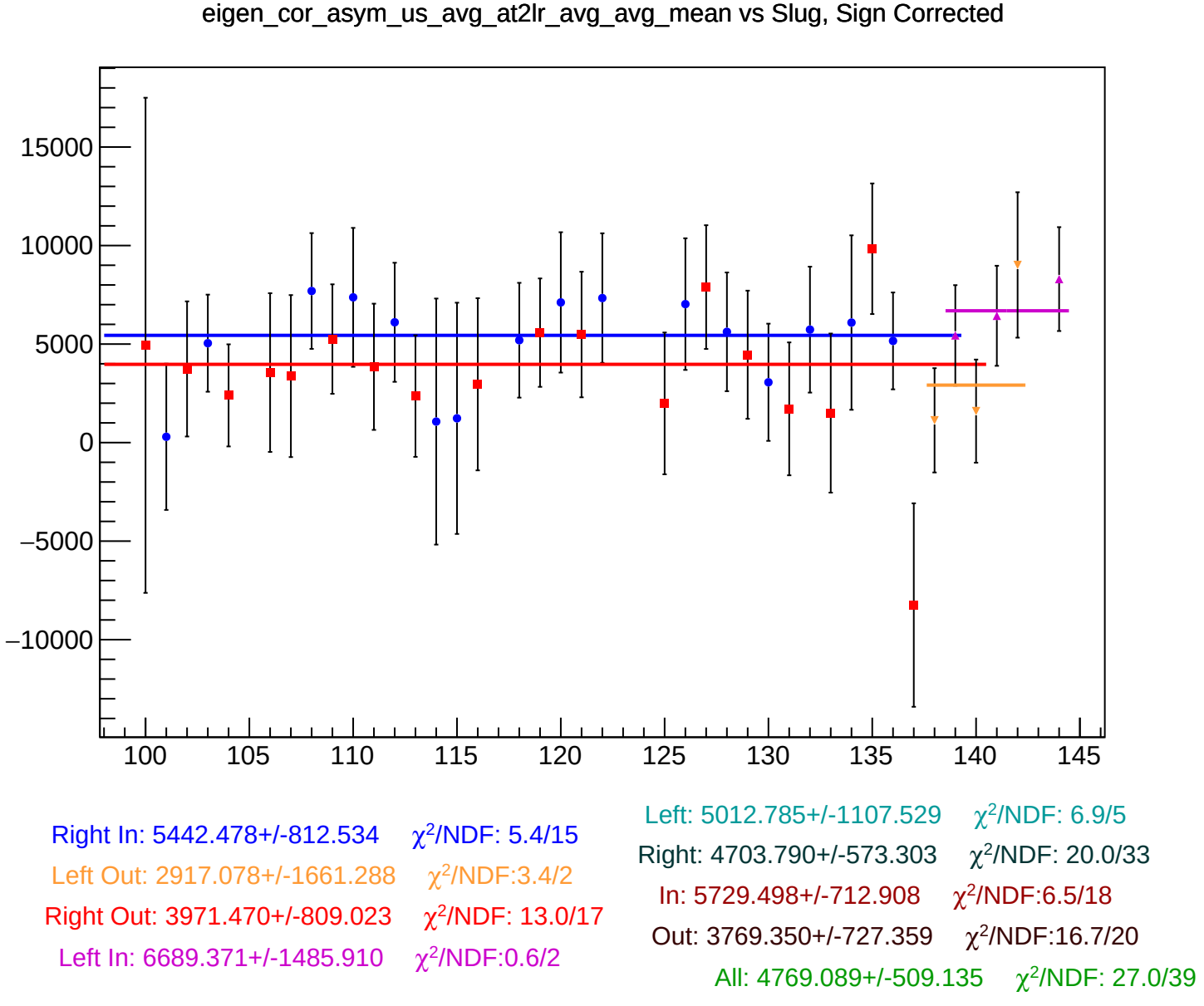
Left: 10006.691+/-3.289 χ^2/NDF: 44933.3/5

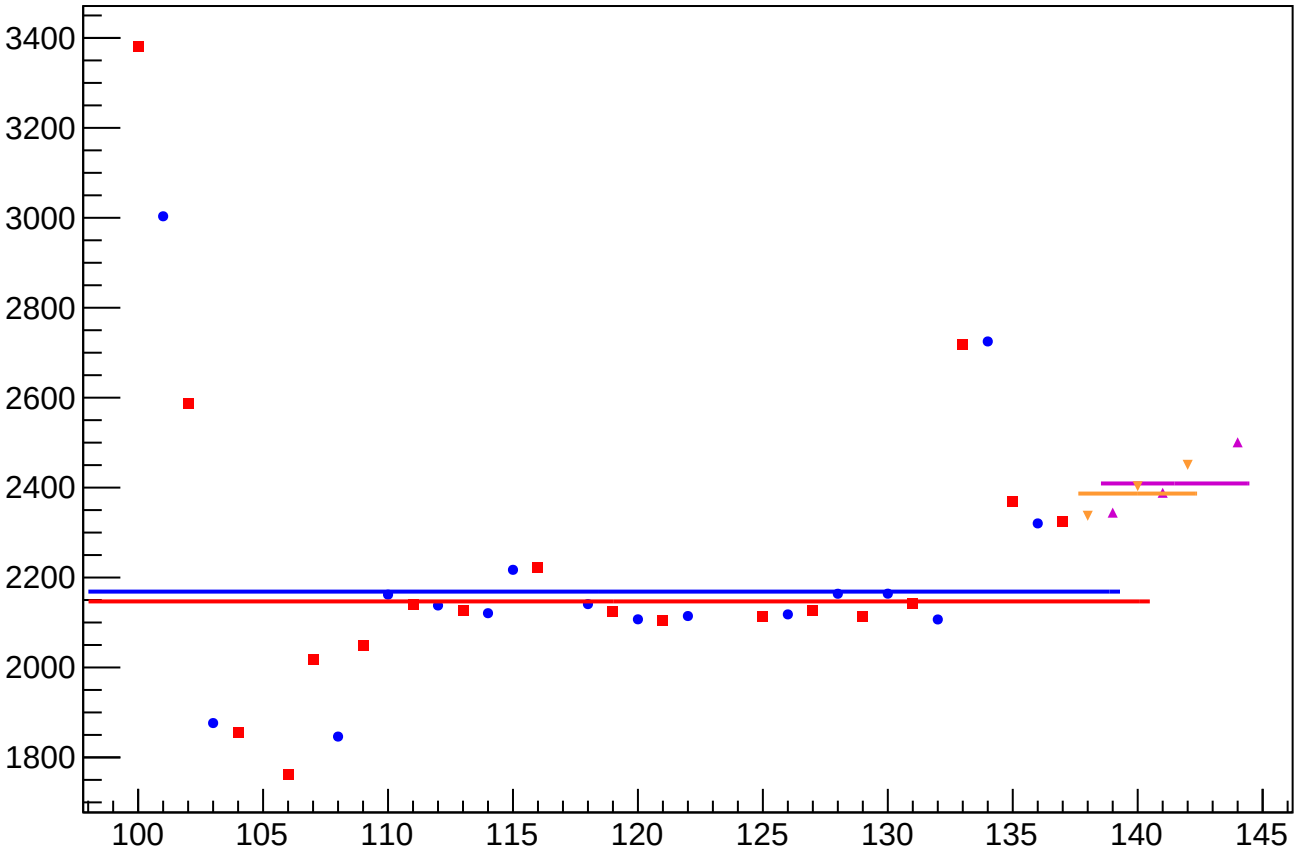
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8823.949+/-2.023 χ^2/NDF:577164.6/18

Out: 8445.499+/-1.998 χ^2/NDF:643480.0/20

All: 8632.341+/-1.422 χ^2/NDF: 1238359.6/39


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2917.078+/-1661.288 χ²/NDF:3.4/2
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 6689.371+/-1485.910 χ²/NDF:0.6/2
Left: 5012.785+/-1107.529 χ²/NDF: 6.9/5
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5729.498+/-712.908 χ²/NDF:6.5/18
Out: 3769.350+/-727.359 χ²/NDF:16.7/20
All: 4769.089+/-509.135 χ²/NDF: 27.0/39



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF:1373.8/2

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2409.207+/-1.051 χ^2/NDF:3839.9/2

Left: 2399.222+/-0.783 χ^2/NDF: 5416.9/5

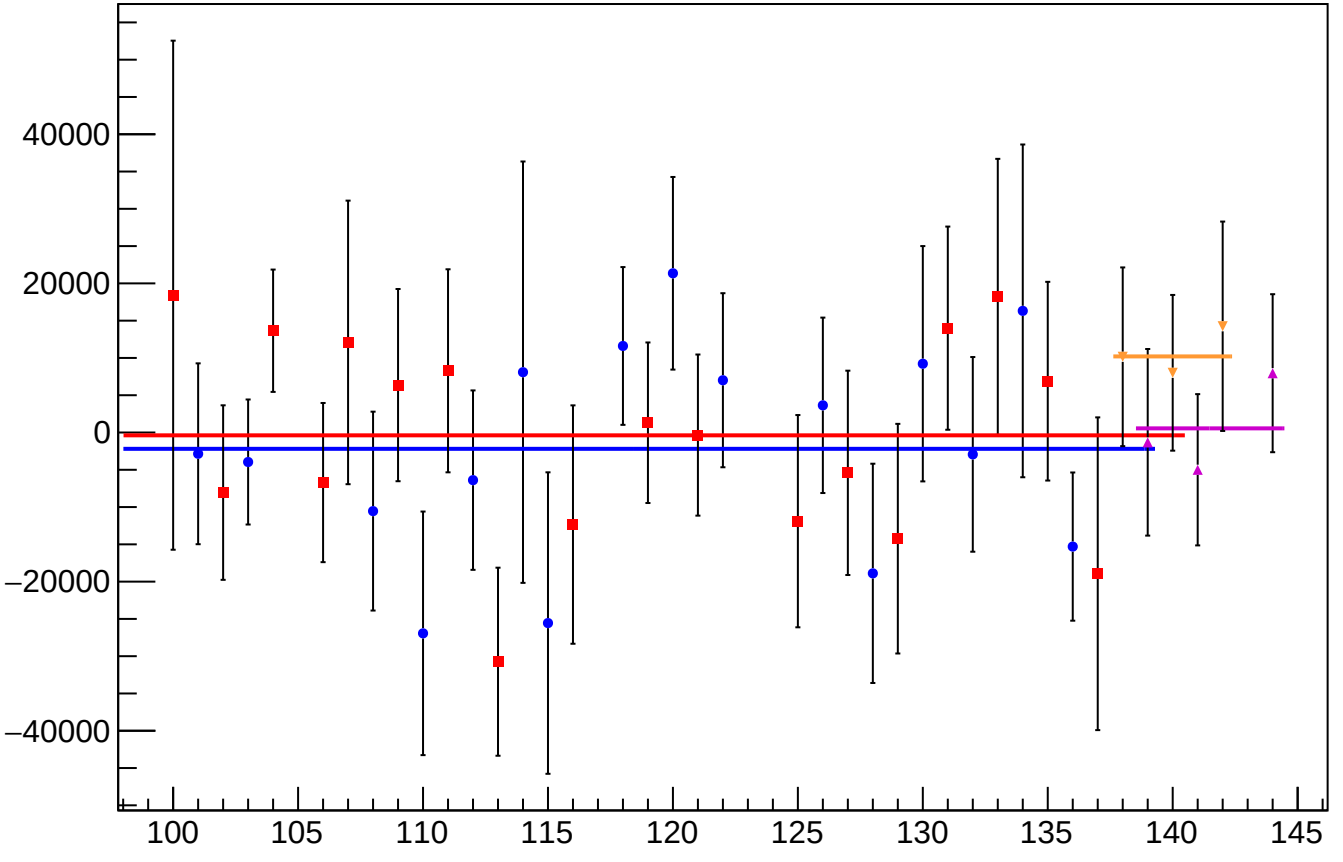
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.073+/-0.504 χ^2/NDF:239829.7/18

Out: 2192.497+/-0.512 χ^2/NDF:192887.0/20

All: 2208.539+/-0.359 χ^2/NDF: 434647.0/39

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 10204.876+/-6867.456 χ^2/NDF:0.1/2

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 554.519+/-6323.159 χ^2/NDF:0.8/2

Left: 4982.162+/-4651.687 χ^2/NDF: 2.0/5

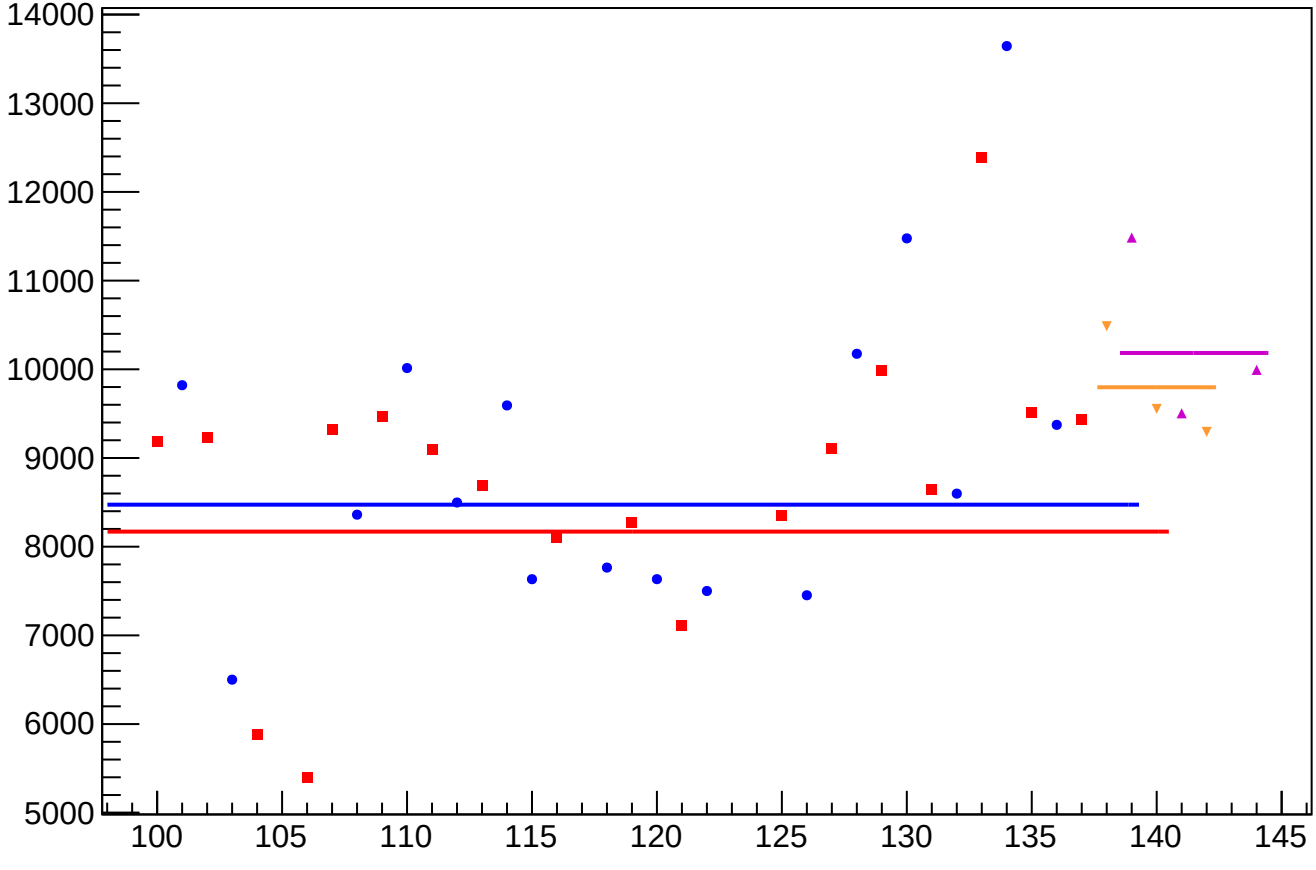
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1627.446+/-2861.244 χ^2/NDF:15.4/18

Out: 1412.331+/-2825.434 χ^2/NDF:18.4/20

All: -88.417+/-2010.425 χ^2/NDF: 34.4/39

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: 9797.445+/-4.856 χ^2/NDF:10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10184.082+/-4.471 χ^2/NDF:31251.5/2

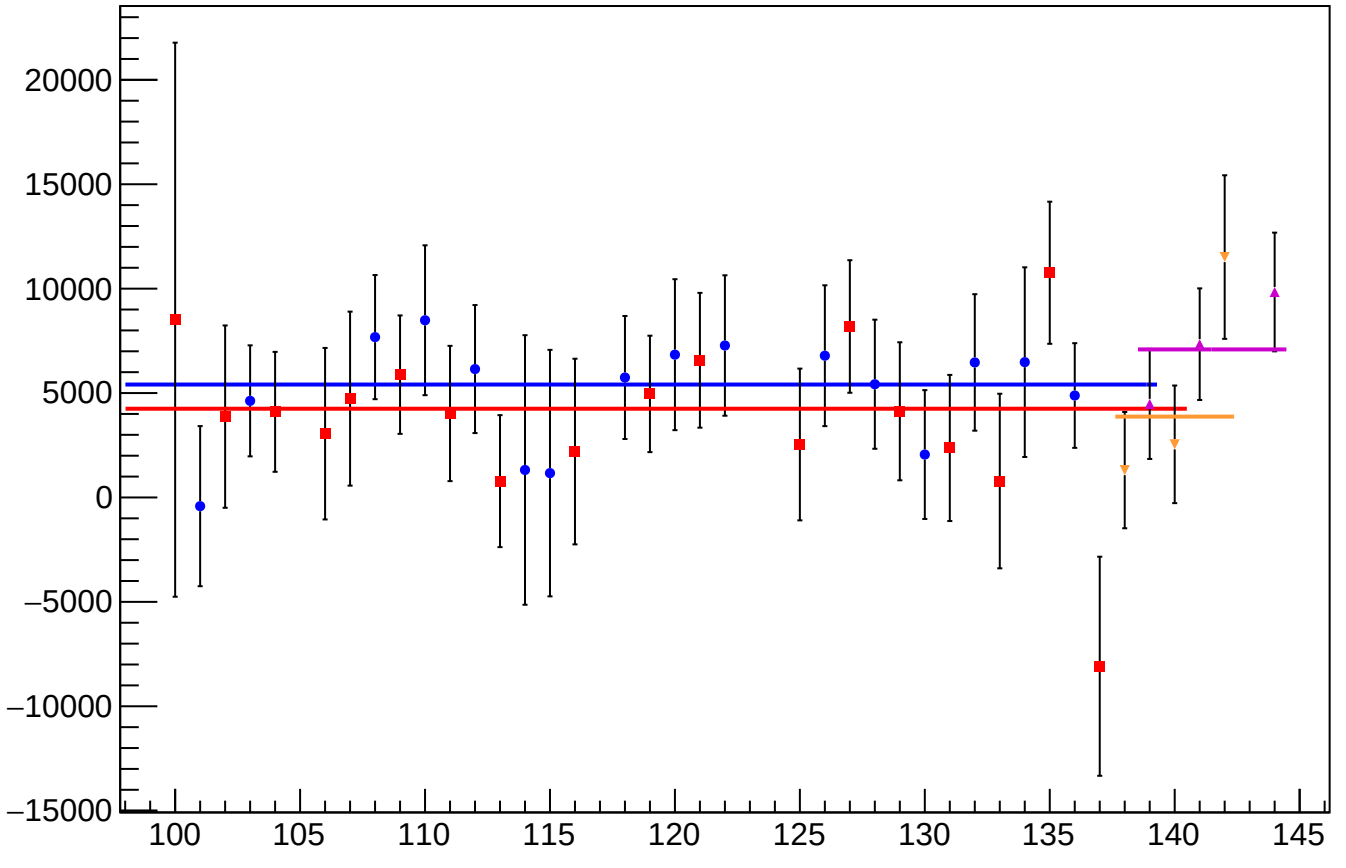
Left: 10006.691+/-3.289 χ^2/NDF: 44933.3/5

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8823.949+/-2.023 χ^2/NDF:577164.6/18

Out: 8445.499+/-1.998 χ^2/NDF:643480.0/20

All: 8632.341+/-1.422 χ^2/NDF: 1238359.6/39



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 3872.446+/-1767.245 χ^2/NDF:4.9/2

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 7089.692+/-1566.182 χ^2/NDF:1.9/2

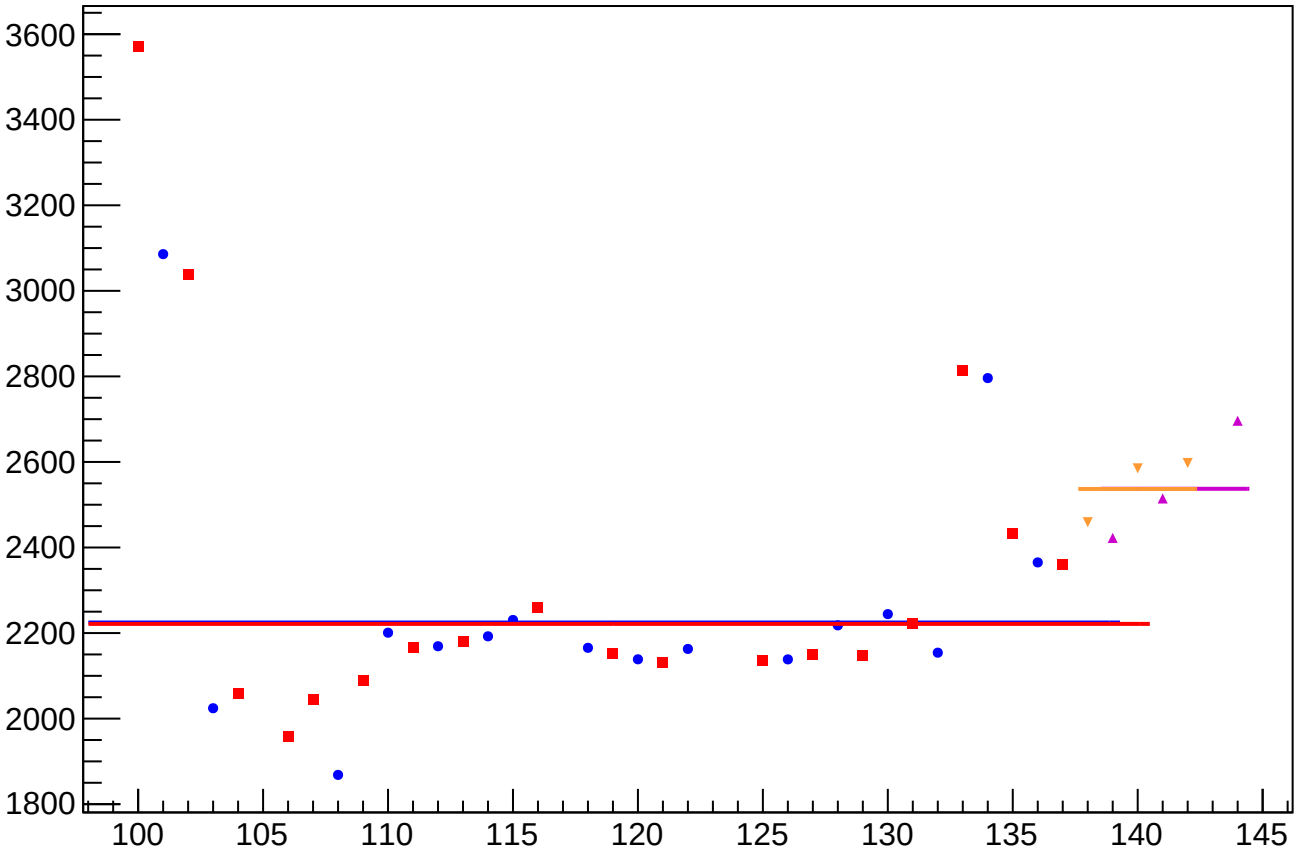
Left: 5674.421+/-1172.126 χ^2/NDF: 8.7/5

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5779.197+/-735.921 χ^2/NDF:9.5/18

Out: 4180.428+/-758.171 χ^2/NDF:19.4/20

All: 5003.615+/-528.066 χ^2/NDF: 31.2/39



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2536.862+/-1.250 χ^2/NDF:2625.2/2

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2537.278+/-1.107 χ^2/NDF:10204.4/2

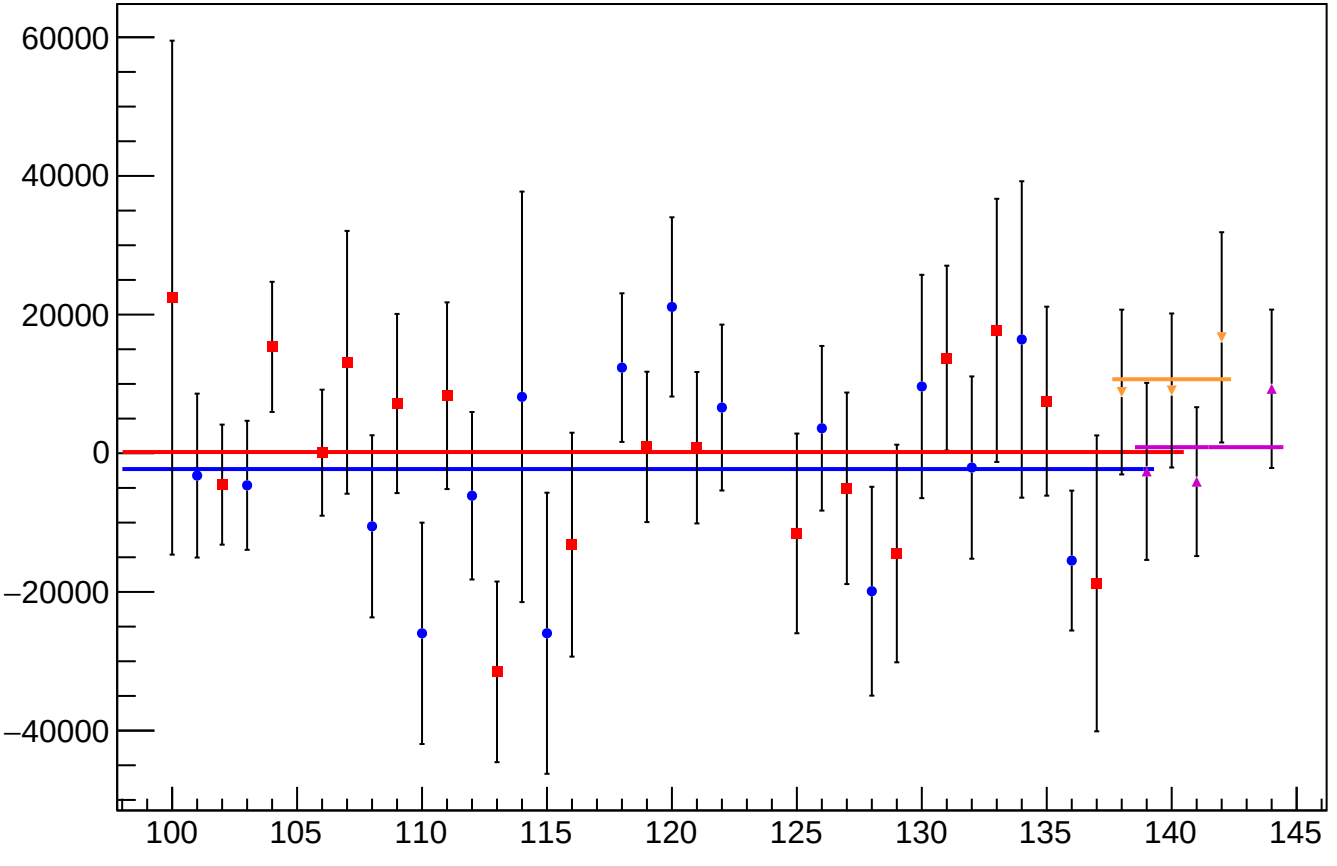
Left: 2537.095+/-0.829 χ^2/NDF: 12829.7/5

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2293.647+/-0.520 χ^2/NDF:256993.4/18

Out: 2279.424+/-0.536 χ^2/NDF:224571.8/20

All: 2286.743+/-0.373 χ^2/NDF: 481927.8/39



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 10677.887+/-7154.001 χ^2/NDF:0.2/2

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 879.098+/-6670.731 χ^2/NDF:0.8/2

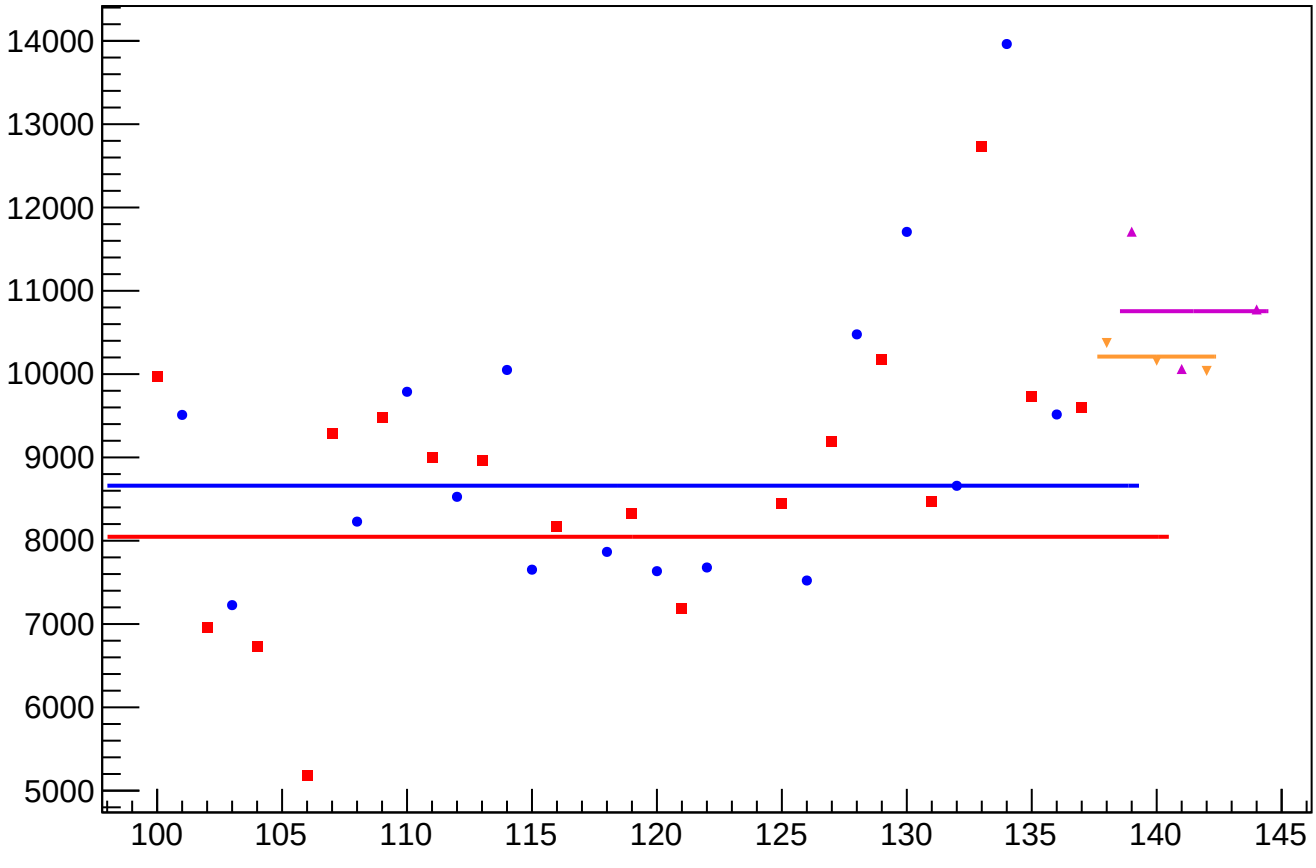
Left: 5436.375+/-4878.828 χ^2/NDF: 2.0/5

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1666.166+/-2937.461 χ^2/NDF:15.5/18

Out: 1779.002+/-2794.247 χ^2/NDF:17.7/20

All: 142.447+/-2024.568 χ^2/NDF: 33.9/39



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10210.485+/-5.059 χ^2/NDF:673.9/2

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10755.255+/-4.717 χ^2/NDF:19537.7/2

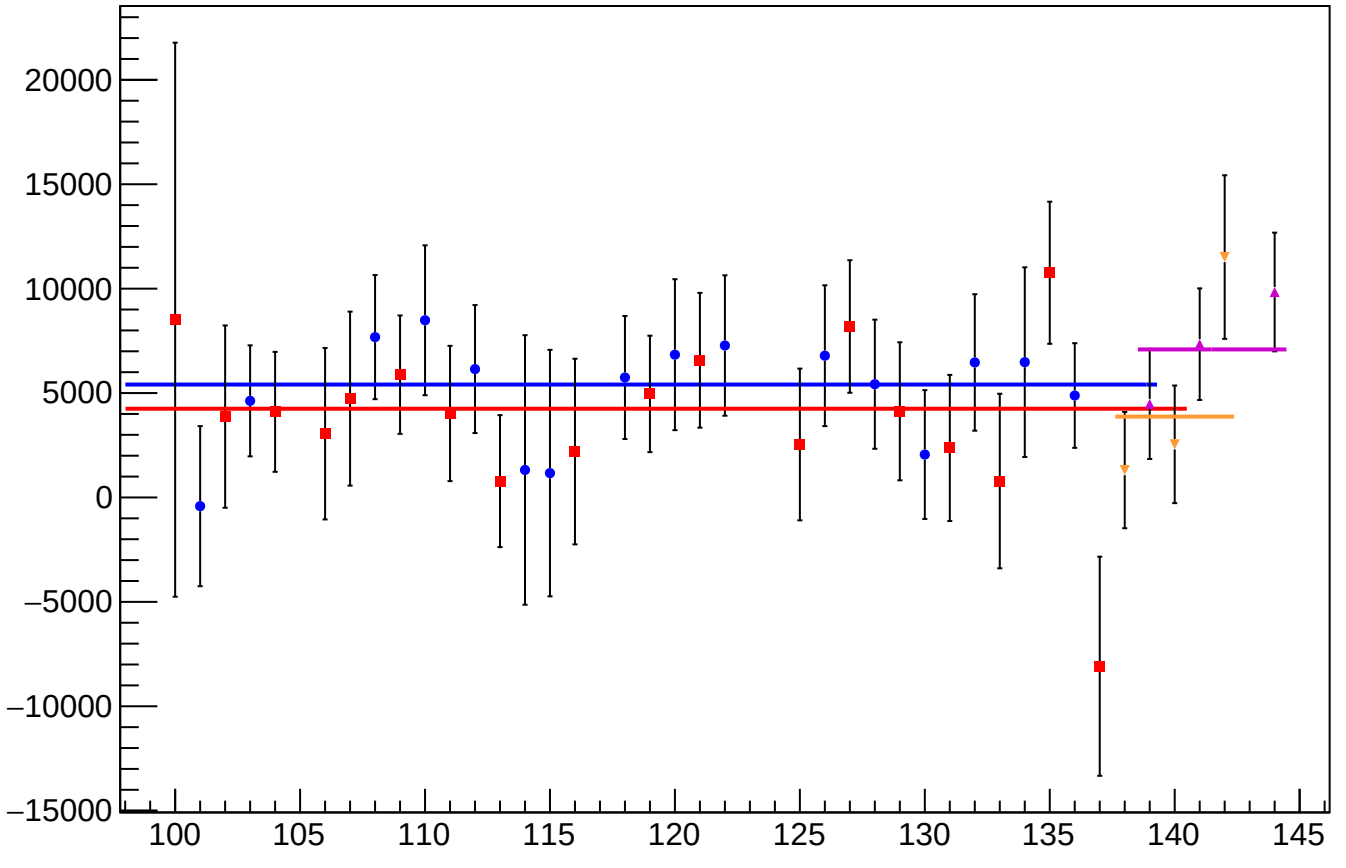
Left: 10501.890+/-3.450 χ^2/NDF: 26415.2/5

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9066.879+/-2.077 χ^2/NDF:536441.3/18

Out: 8377.444+/-1.976 χ^2/NDF:714174.2/20

All: 8704.946+/-1.432 χ^2/NDF: 1308452.7/39



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 3872.465+/-1767.246 χ^2/NDF:4.9/2

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 7089.678+/-1566.184 χ^2/NDF:1.9/2

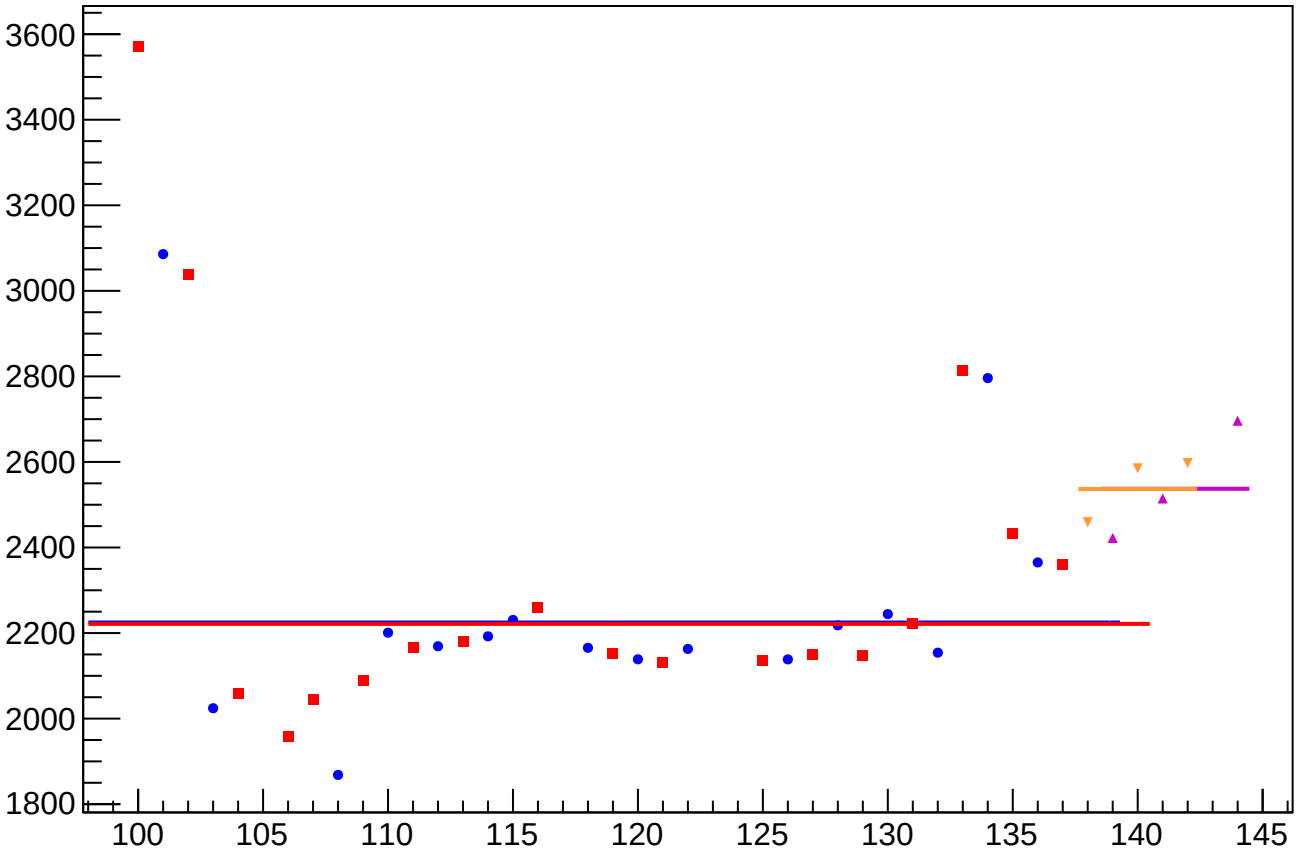
Left: 5674.421+/-1172.128 χ^2/NDF: 8.7/5

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5779.193+/-735.921 χ^2/NDF:9.5/18

Out: 4180.435+/-758.170 χ^2/NDF:19.4/20

All: 5003.617+/-528.066 χ^2/NDF: 31.2/39



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2536.864+/-1.250 χ^2/NDF:2625.3/2

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2537.281+/-1.107 χ^2/NDF:10204.6/2

Left: 2537.098+/-0.829 χ^2/NDF: 12829.9/5

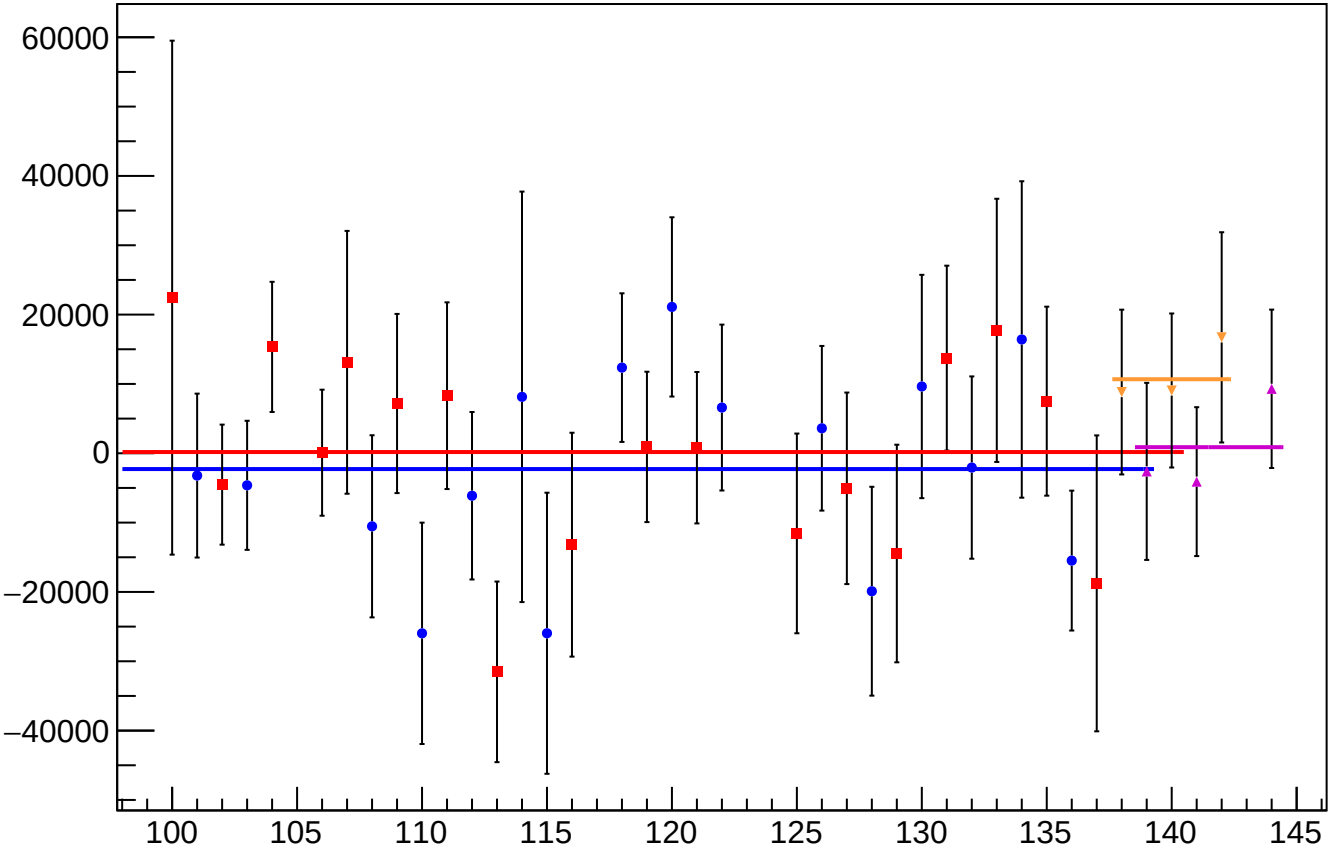
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2293.647+/-0.520 χ^2/NDF:256995.2/18

Out: 2279.423+/-0.536 χ^2/NDF:224572.7/20

All: 2286.743+/-0.373 χ^2/NDF: 481930.6/39

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: 10677.920+/-7154.014 χ^2/NDF:0.2/2

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 879.087+/-6670.742 χ^2/NDF:0.8/2

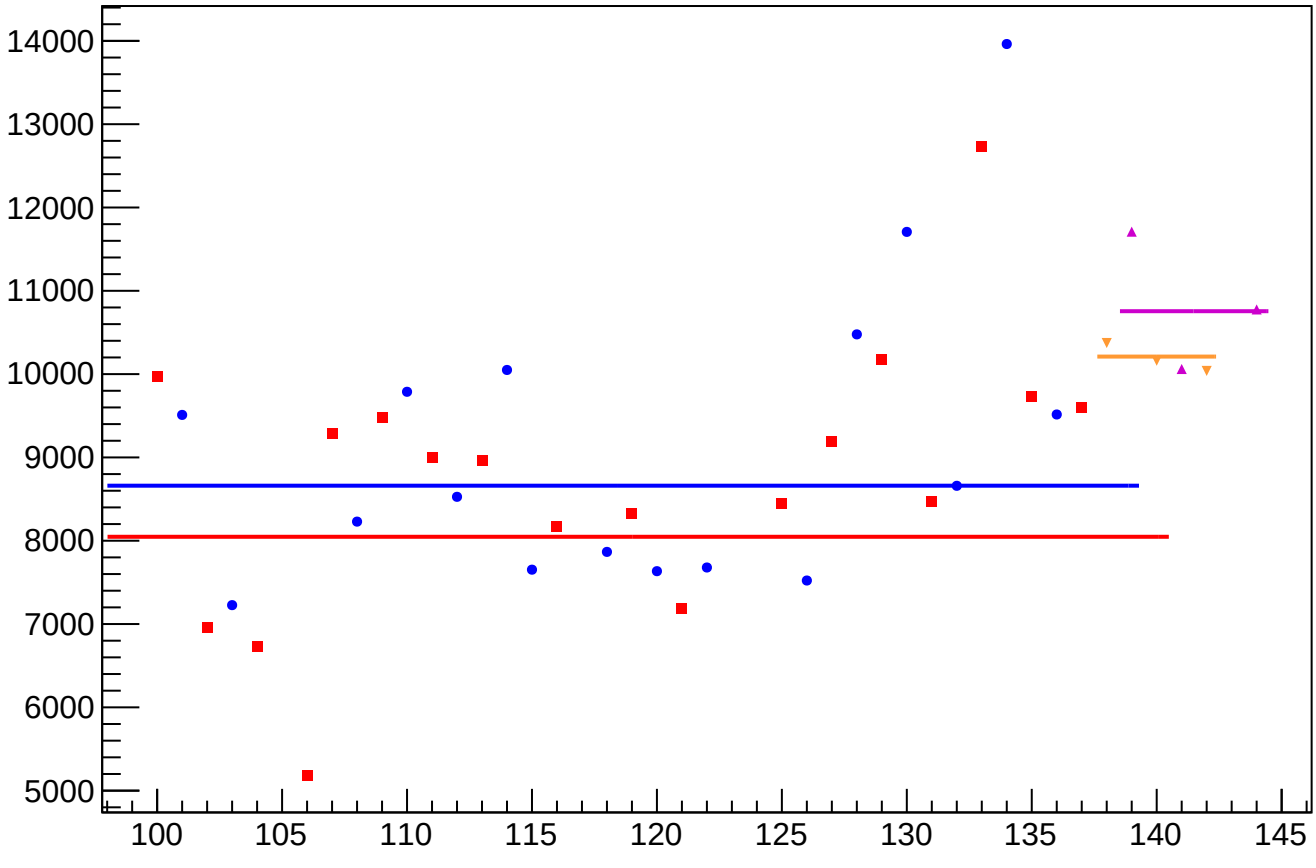
Left: 5436.384+/-4878.836 χ^2/NDF: 2.0/5

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1666.154+/-2937.457 χ^2/NDF:15.5/18

Out: 1779.001+/-2794.242 χ^2/NDF:17.7/20

All: 142.452+/-2024.565 χ^2/NDF: 33.9/39



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10210.502+/-5.059 χ^2/NDF:673.9/2

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10755.273+/-4.717 χ^2/NDF:19538.2/2

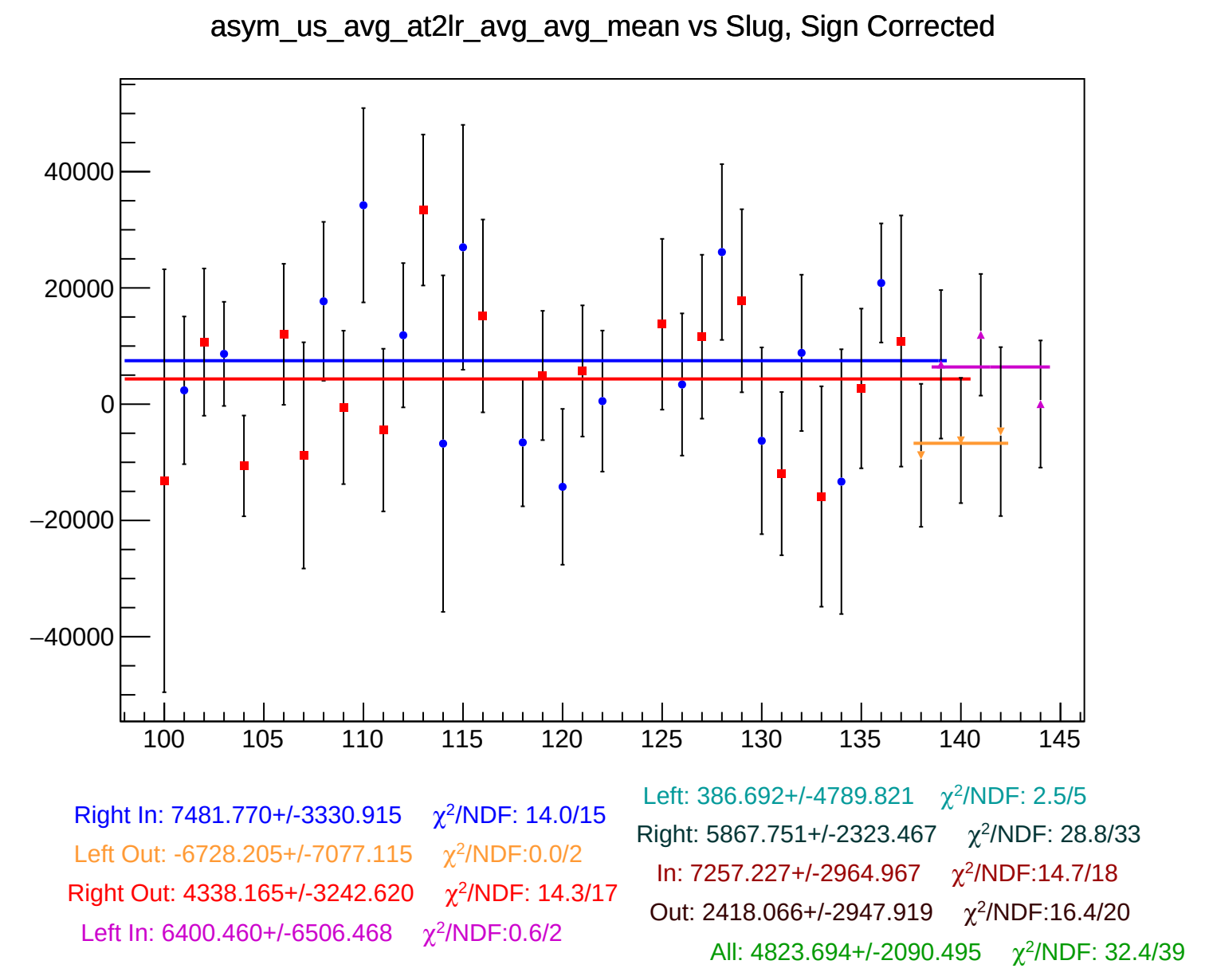
Left: 10501.908+/-3.450 χ^2/NDF: 26415.8/5

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

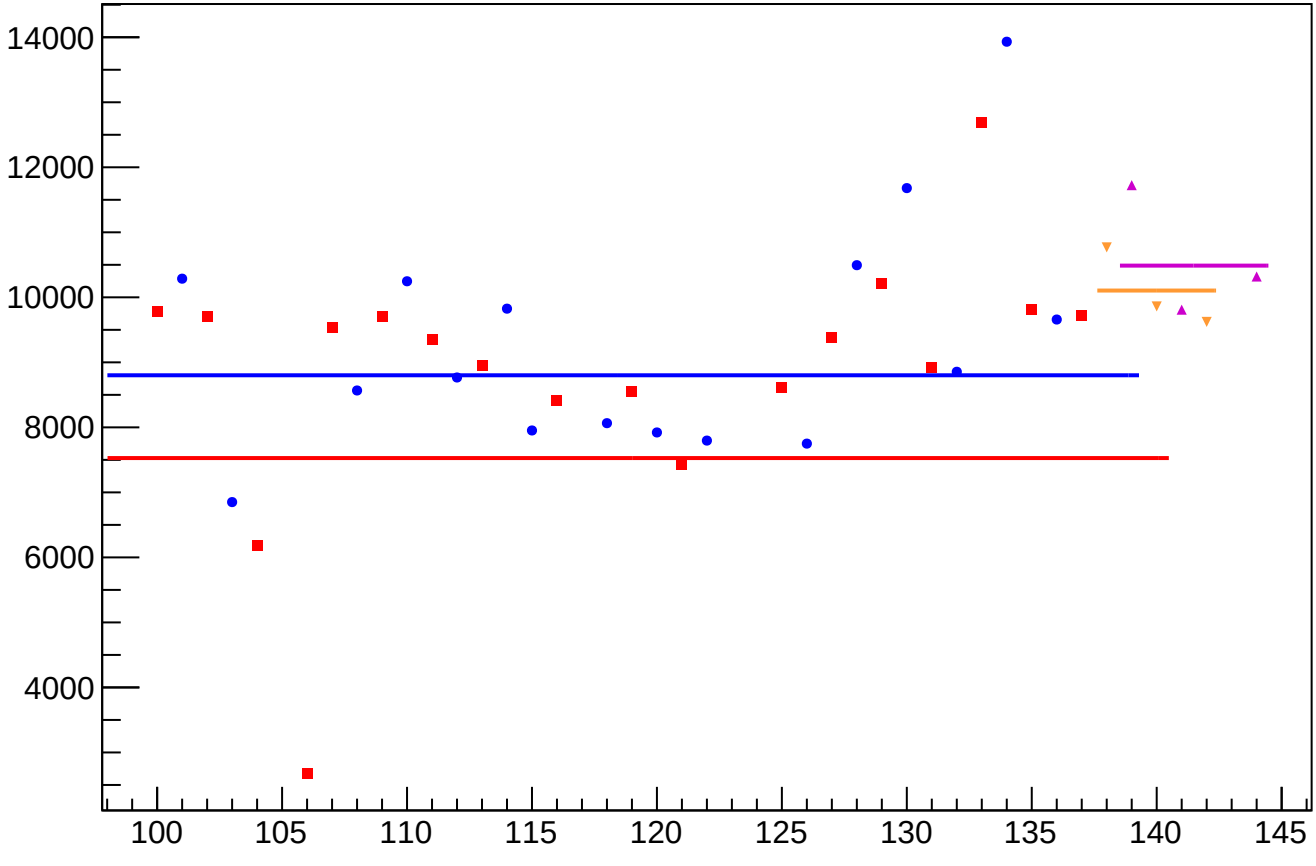
In: 9066.863+/-2.077 χ^2/NDF:536449.6/18

Out: 8377.429+/-1.976 χ^2/NDF:714177.2/20

All: 8704.930+/-1.432 χ^2/NDF: 1308463.9/39


asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 7481.770+/-3330.915 χ²/NDF: 14.0/15
Left Out: -6728.205+/-7077.115 χ²/NDF:0.0/2
Right Out: 4338.165+/-3242.620 χ²/NDF: 14.3/17
Left In: 6400.460+/-6506.468 χ²/NDF:0.6/2
Left: 386.692+/-4789.821 χ²/NDF: 2.5/5
Right: 5867.751+/-2323.467 χ²/NDF: 28.8/33
In: 7257.227+/-2964.967 χ²/NDF:14.7/18
Out: 2418.066+/-2947.919 χ²/NDF:16.4/20
All: 4823.694+/-2090.495 χ²/NDF: 32.4/39

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10104.271+/-5.004 χ^2/NDF:9061.5/2

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10487.663+/-4.601 χ^2/NDF:27616.9/2

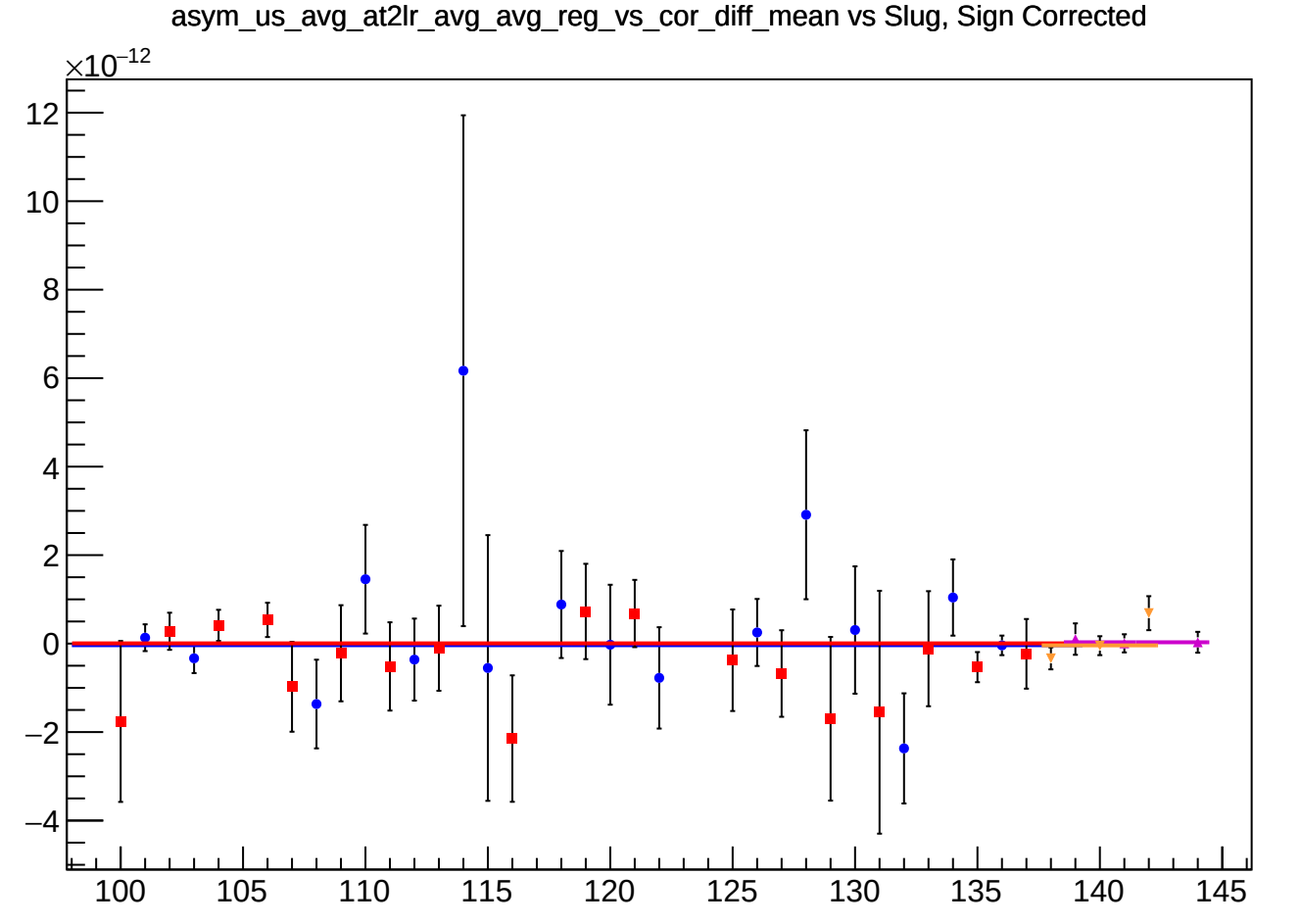
Left: 10312.045+/-3.387 χ^2/NDF: 39859.3/5

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9151.302+/-2.097 χ^2/NDF:528673.1/18

Out: 7922.453+/-1.959 χ^2/NDF:1890832.6/20

All: 8495.113+/-1.431 χ^2/NDF: 2602959.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/2

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

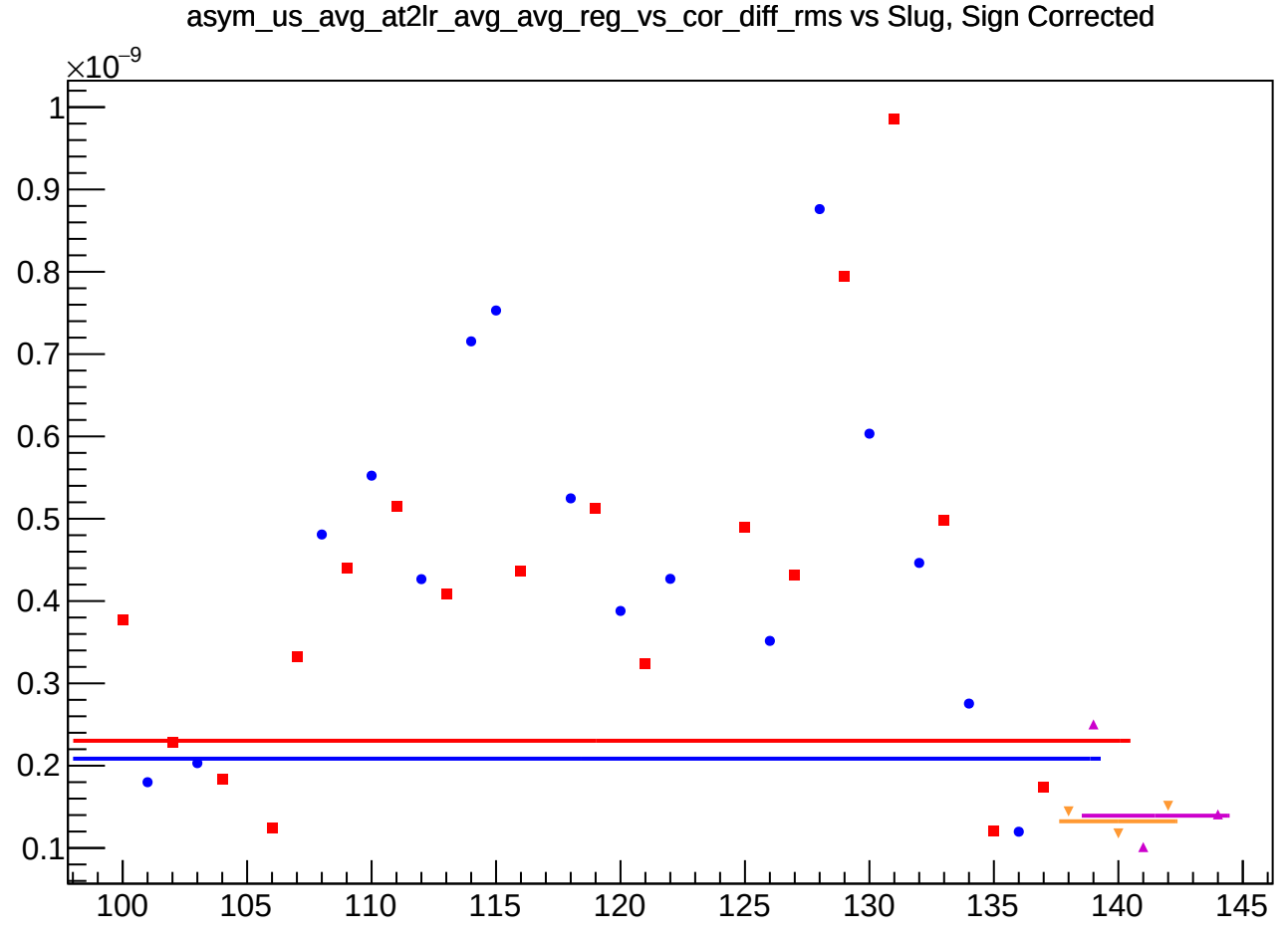
Left: -0.000+/-0.000 χ^2/NDF: 5.2/5

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.5/18

Out: -0.000+/-0.000 χ^2/NDF:18.7/20

All: -0.000+/-0.000 χ^2/NDF: 33.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18944.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:264166.6/2

Left: 0.000+/-0.000 χ^2/NDF: 285298.6/5

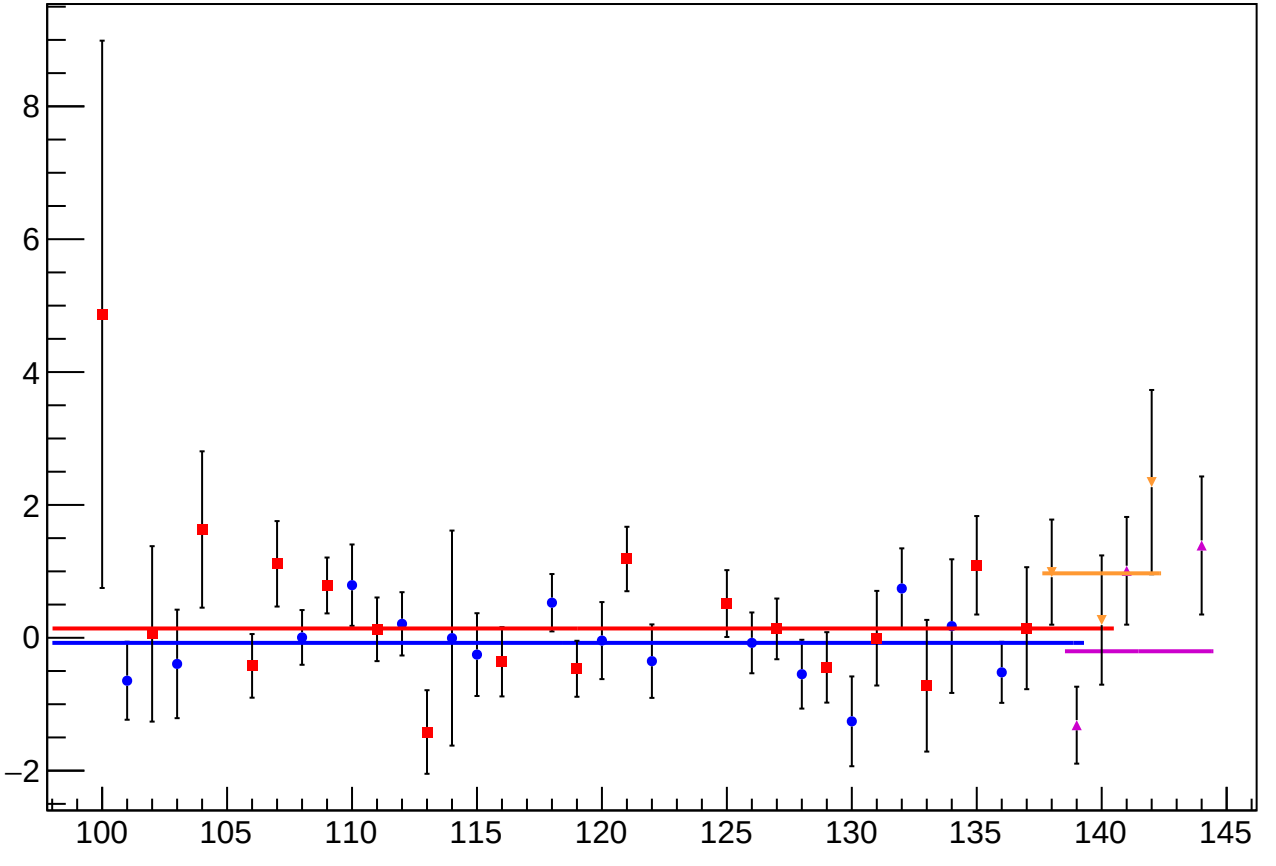
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2135075.6/18

Out: 0.000+/-0.000 χ^2/NDF:1989397.5/20

All: 0.000+/-0.000 χ^2/NDF: 4126935.7/39

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.203+/-0.429 χ^2/NDF:8.3/2

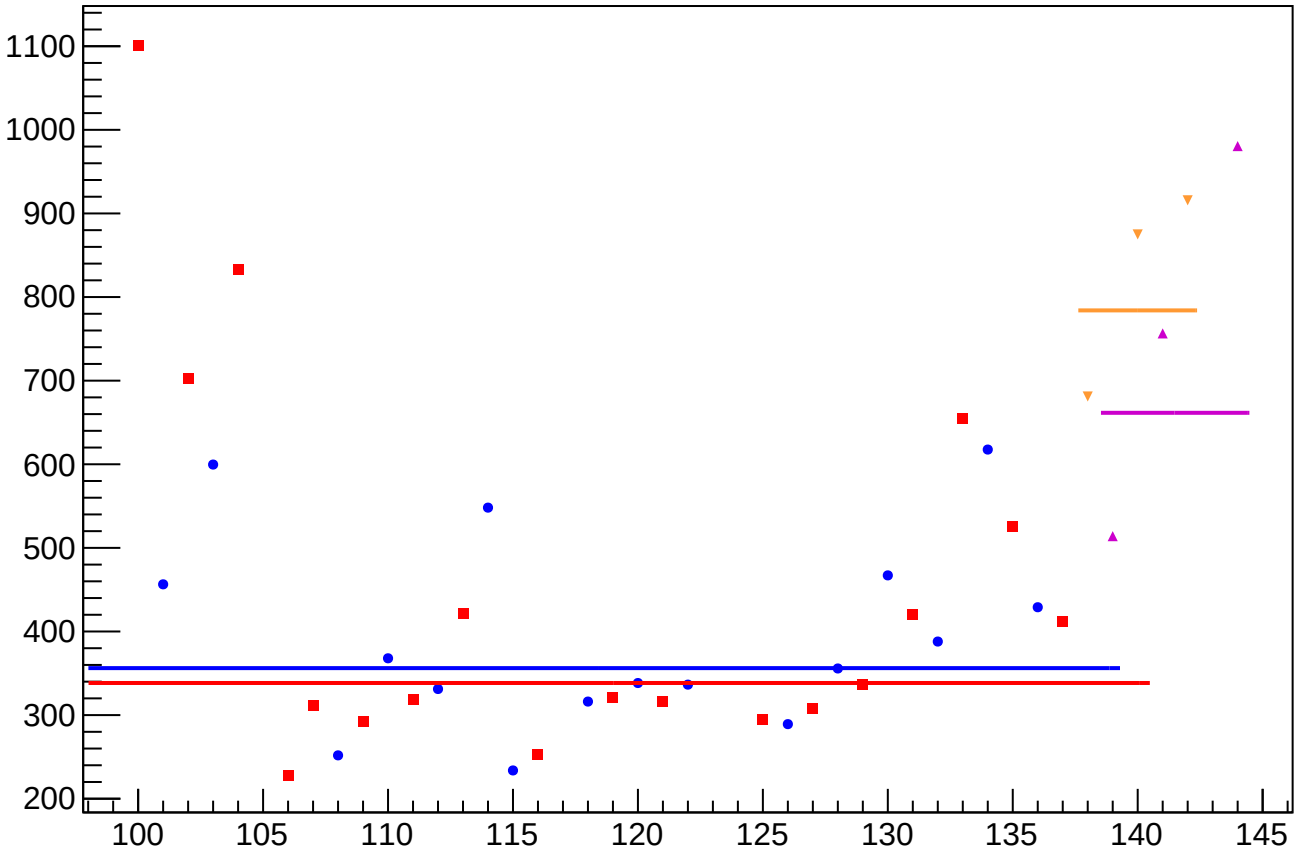
Left: 0.230+/-0.341 χ^2/NDF: 12.5/5

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.133 χ^2/NDF:20.9/18

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.048+/-0.094 χ^2/NDF: 53.5/39



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 784.039+/-0.397 χ^2/NDF:69348.4/2

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 661.548+/-0.303 χ^2/NDF:345751.4/2

Left: 706.734+/-0.241 χ^2/NDF: 475206.9/5

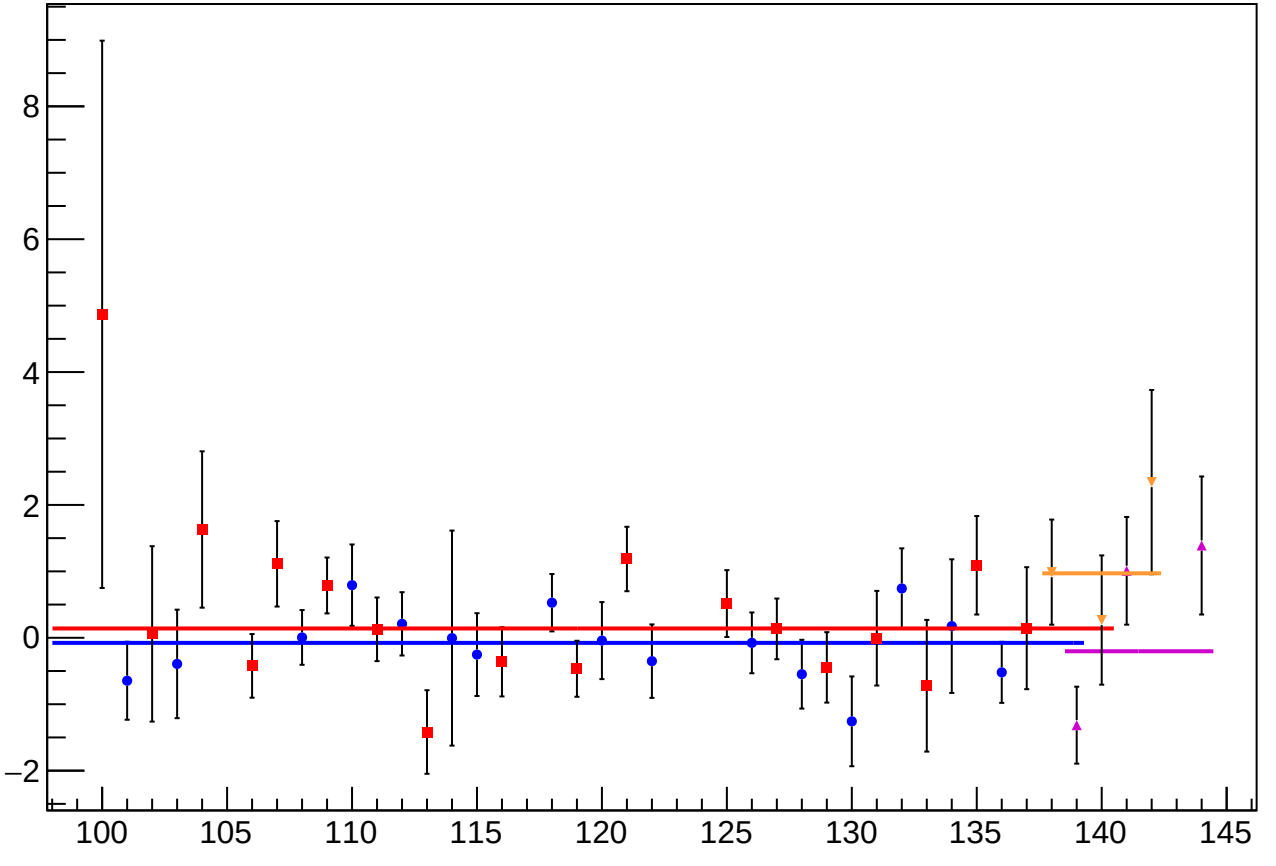
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 385.524+/-0.094 χ^2/NDF:2046174.3/18

Out: 363.800+/-0.095 χ^2/NDF:2461354.8/20

All: 374.741+/-0.067 χ^2/NDF: 4534009.3/39

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.203+/-0.429 χ^2/NDF:8.3/2

Left: 0.230+/-0.341 χ^2/NDF: 12.5/5

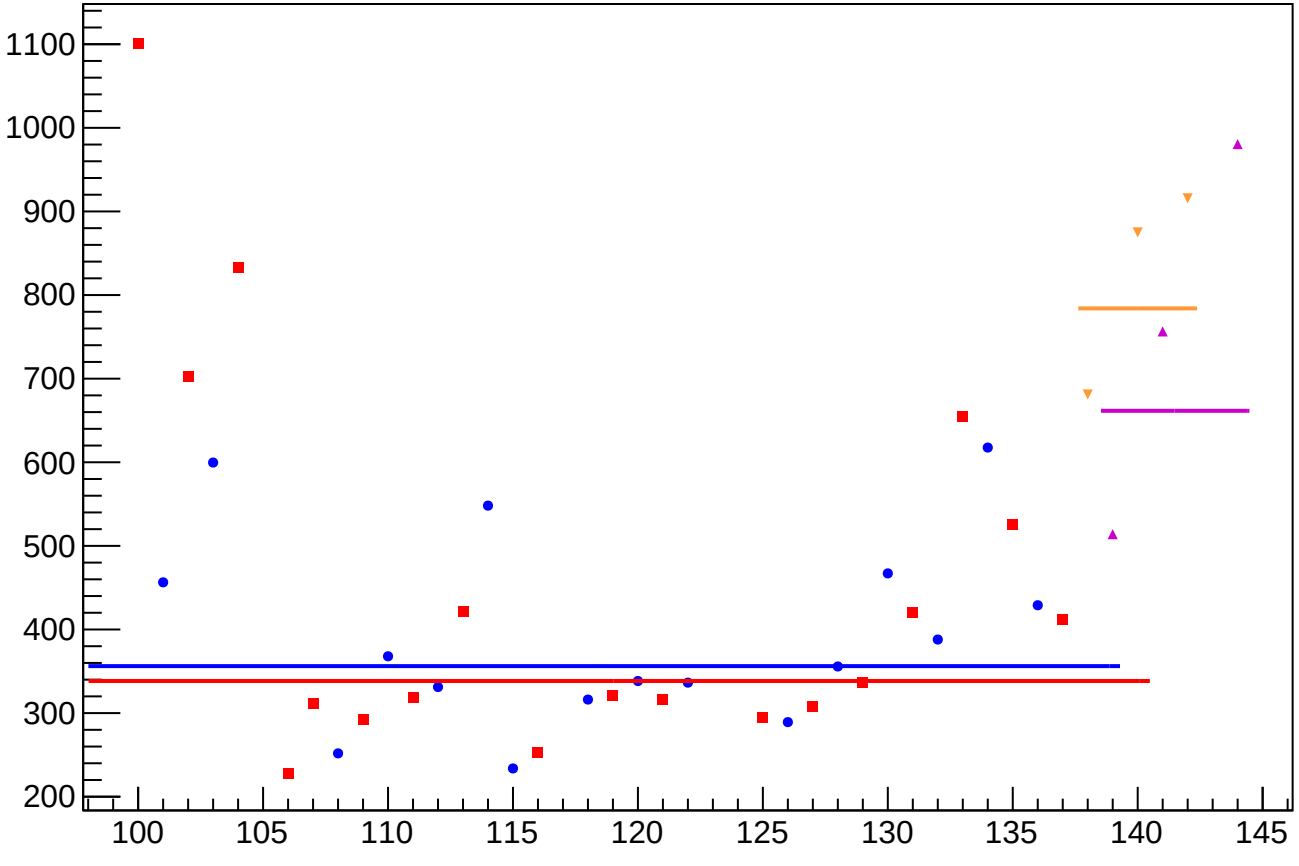
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.133 χ^2/NDF:20.9/18

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.048+/-0.094 χ^2/NDF: 53.5/39

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: 784.039+/-0.397 χ^2/NDF:69348.4/2

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 661.548+/-0.303 χ^2/NDF:345751.4/2

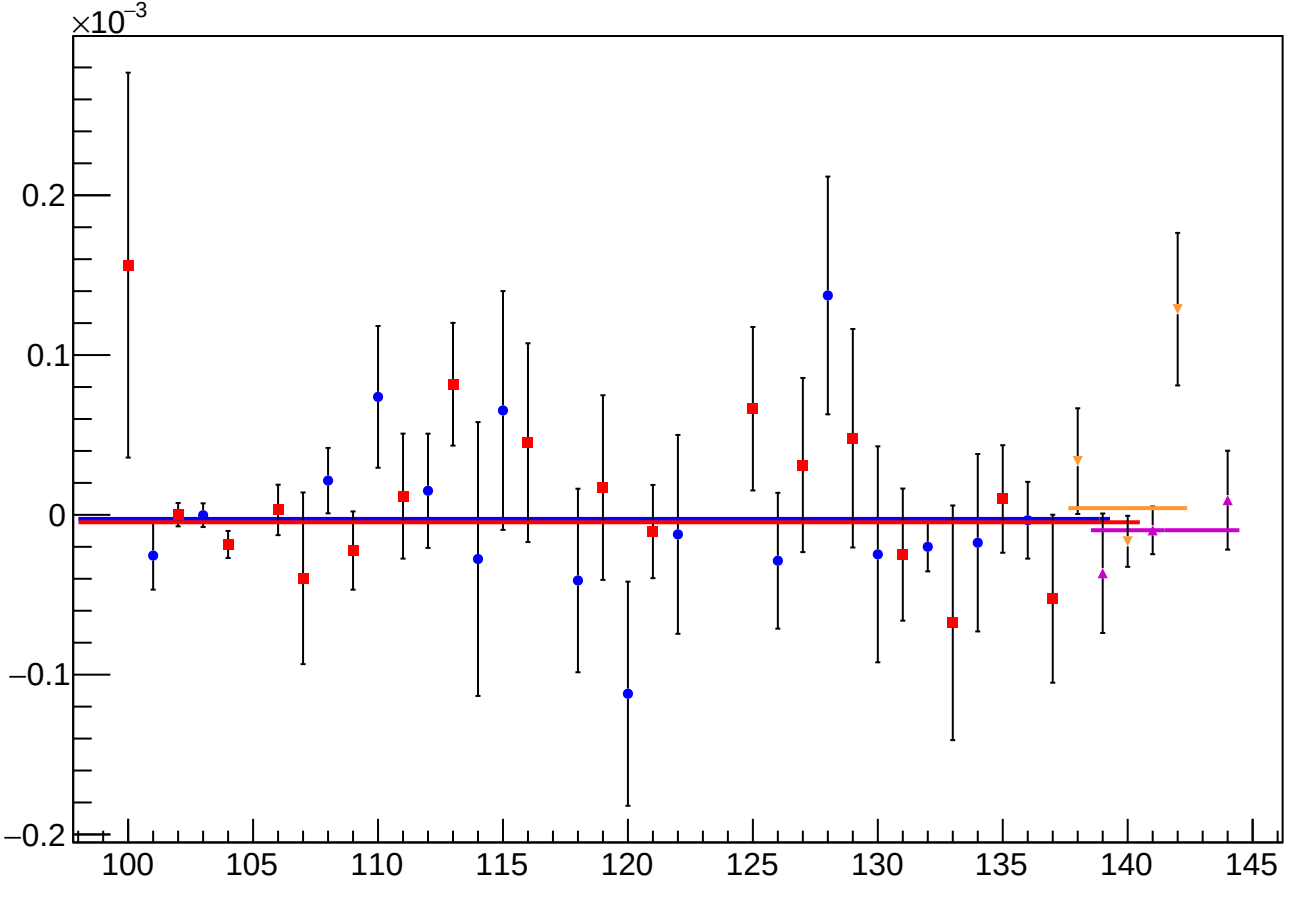
Left: 706.734+/-0.241 χ^2/NDF: 475206.9/5

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 385.524+/-0.094 χ^2/NDF:2046174.3/18

Out: 363.800+/-0.095 χ^2/NDF:2461354.8/20

All: 374.741+/-0.067 χ^2/NDF: 4534009.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

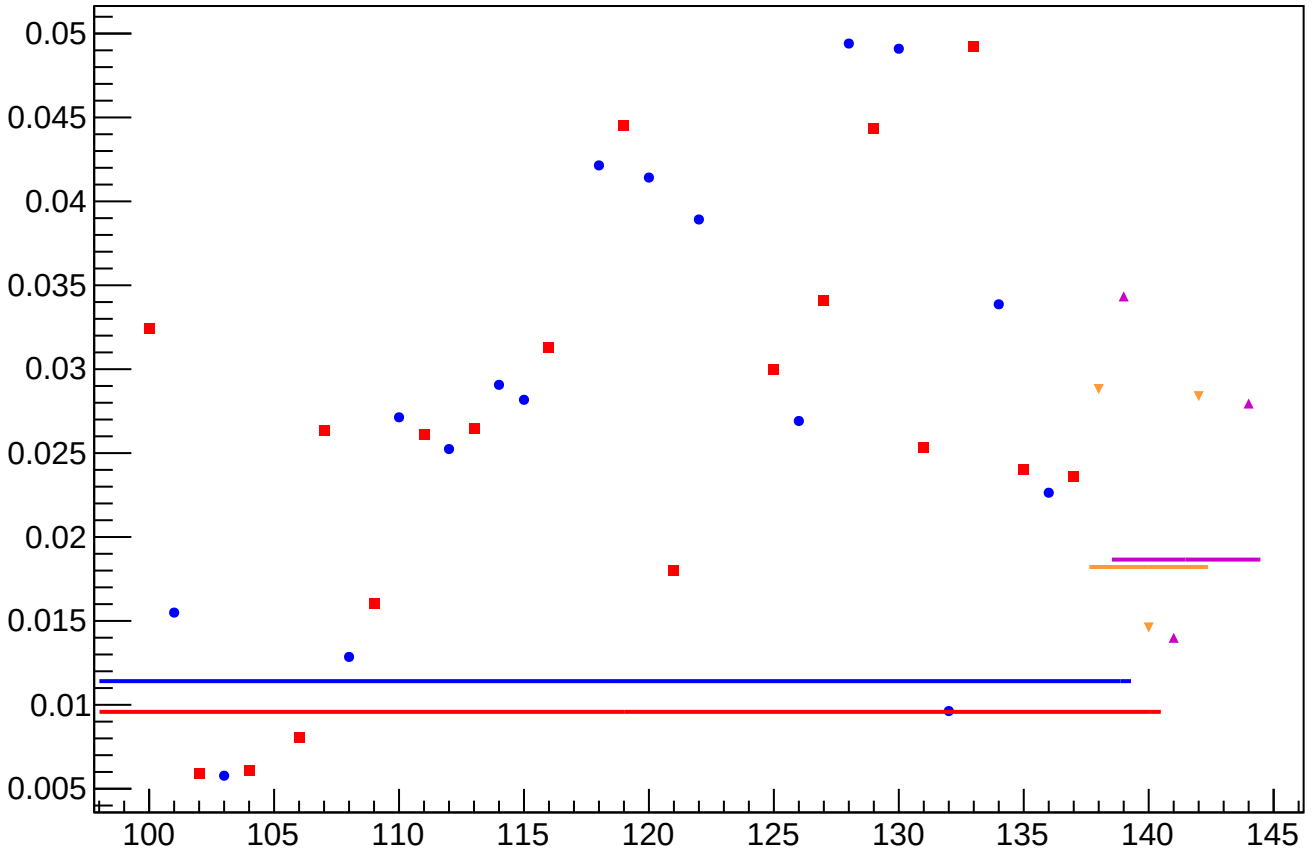
Left: -0.000+/-0.000 χ^2/NDF: 10.7/5

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:16.2/18

Out: -0.000+/-0.000 χ^2/NDF:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.9/39



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.018+/-0.000 χ^2/NDF:398356.1/2

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.019+/-0.000 χ^2/NDF:727743.2/2

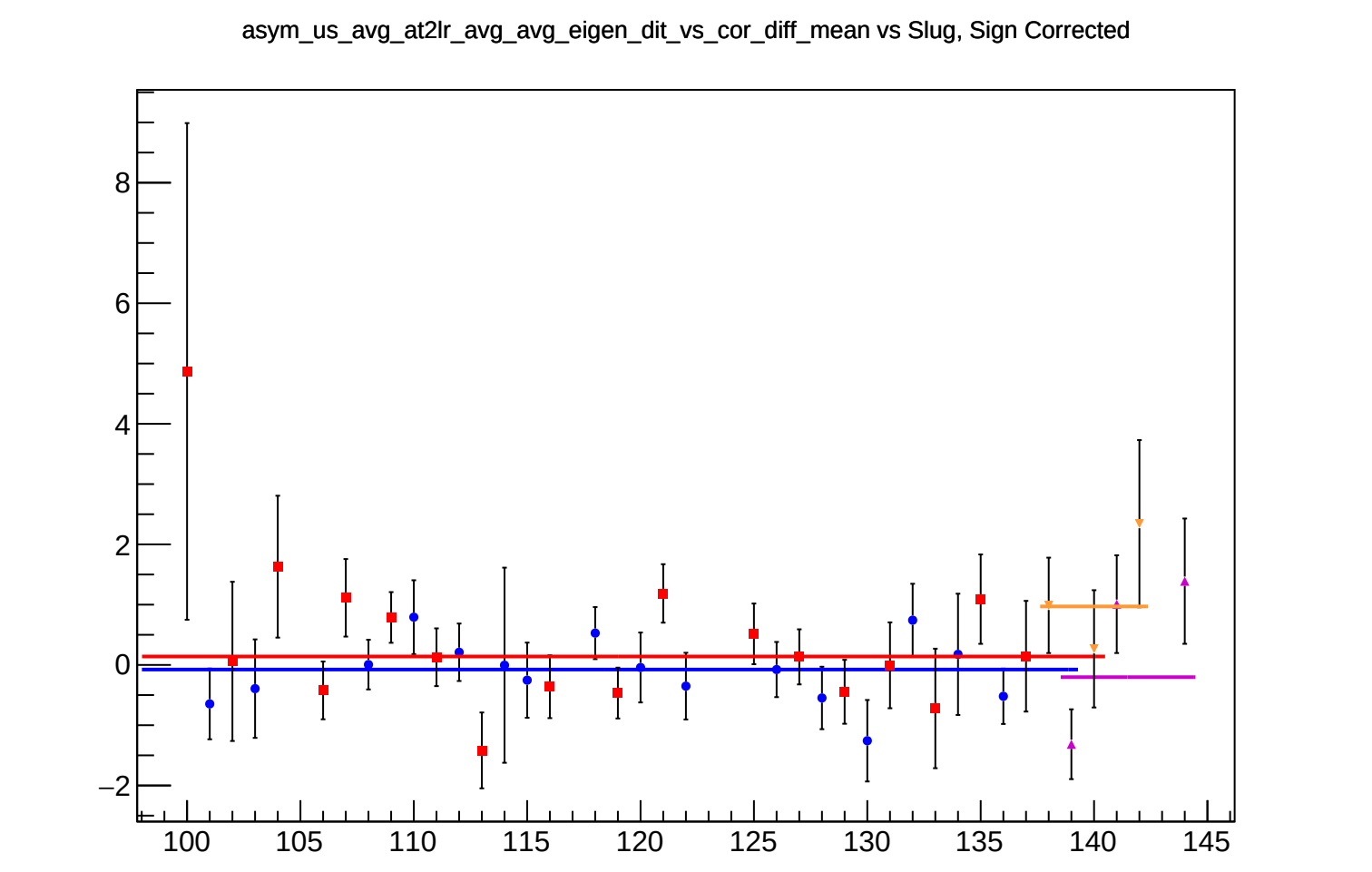
Left: 0.018+/-0.000 χ^2/NDF: 1127213.5/5

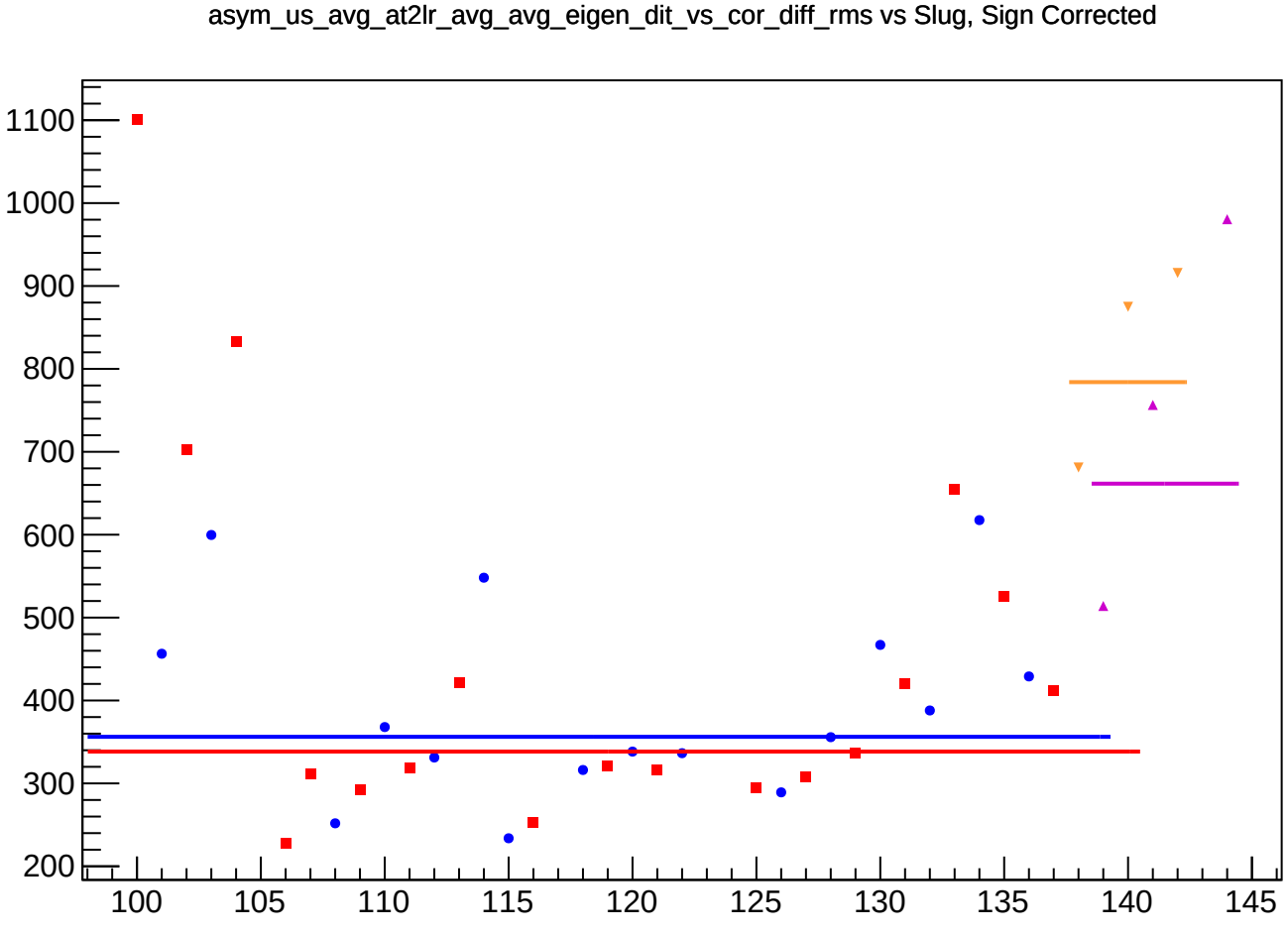
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:6778233.4/18

Out: 0.010+/-0.000 χ^2/NDF:6889725.8/20

All: 0.011+/-0.000 χ^2/NDF: 13859478.8/39


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.970+/-0.561 χ²/NDF:1.5/2
Right Out: 0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.203+/-0.429 χ²/NDF:8.3/2
Left: 0.230+/-0.341 χ²/NDF: 12.5/5
Right: 0.033+/-0.098 χ²/NDF: 40.7/33
In: -0.089+/-0.133 χ²/NDF:20.9/18
Out: 0.188+/-0.134 χ²/NDF:30.5/20
All: 0.048+/-0.094 χ²/NDF: 53.5/39



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 784.046+/-0.397 χ^2/NDF:69348.6/2

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 661.560+/-0.303 χ^2/NDF:345738.0/2

Left: 706.744+/-0.241 χ^2/NDF: 475187.8/5

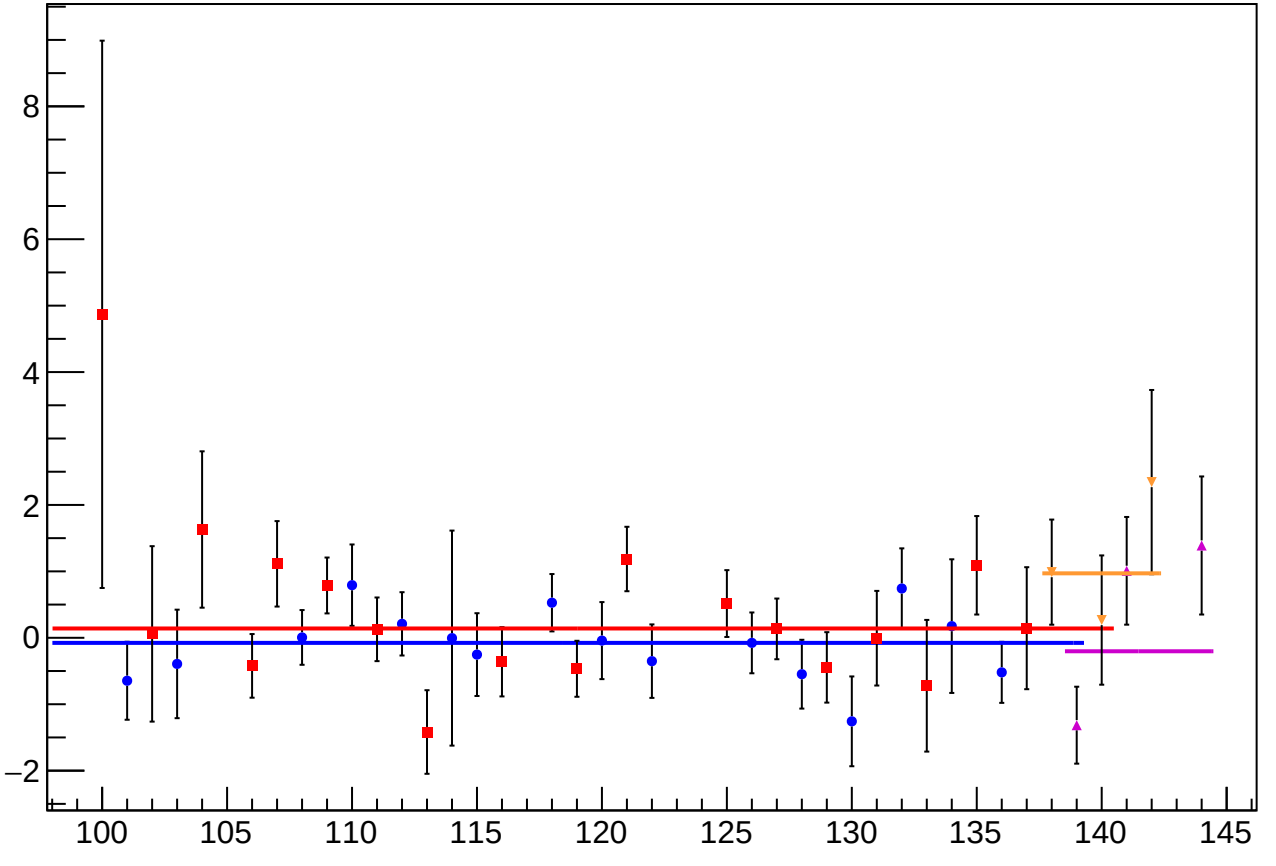
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 385.522+/-0.094 χ^2/NDF:2046180.1/18

Out: 363.798+/-0.095 χ^2/NDF:2461365.5/20

All: 374.739+/-0.067 χ^2/NDF: 4534028.4/39

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.203+/-0.429 χ^2/NDF:8.3/2

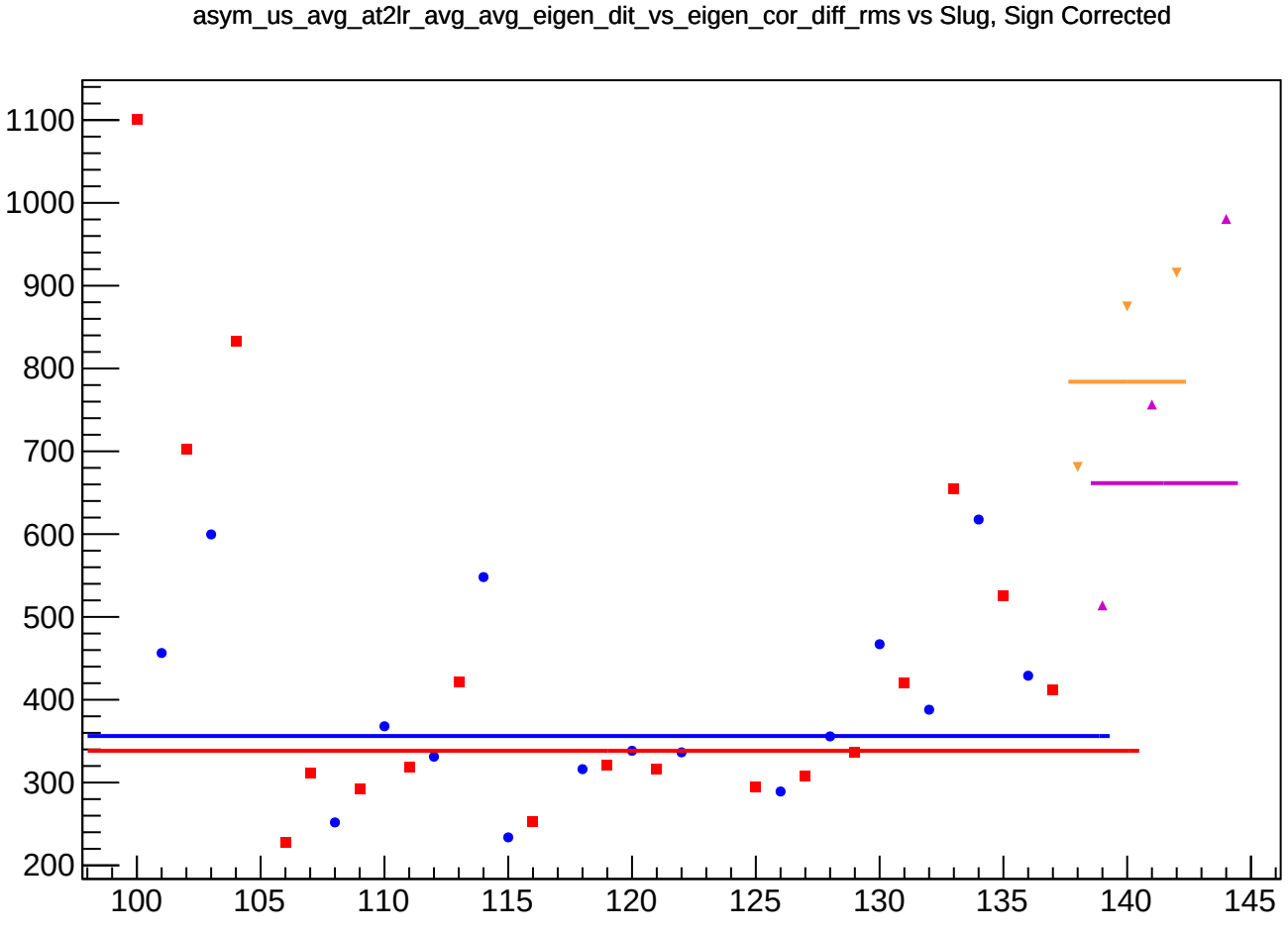
Left: 0.230+/-0.341 χ^2/NDF: 12.5/5

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.089+/-0.133 χ^2/NDF:20.9/18

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.048+/-0.094 χ^2/NDF: 53.5/39



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 784.046+/-0.397 χ^2/NDF:69348.6/2

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 661.560+/-0.303 χ^2/NDF:345738.0/2

Left: 706.744+/-0.241 χ^2/NDF: 475187.8/5

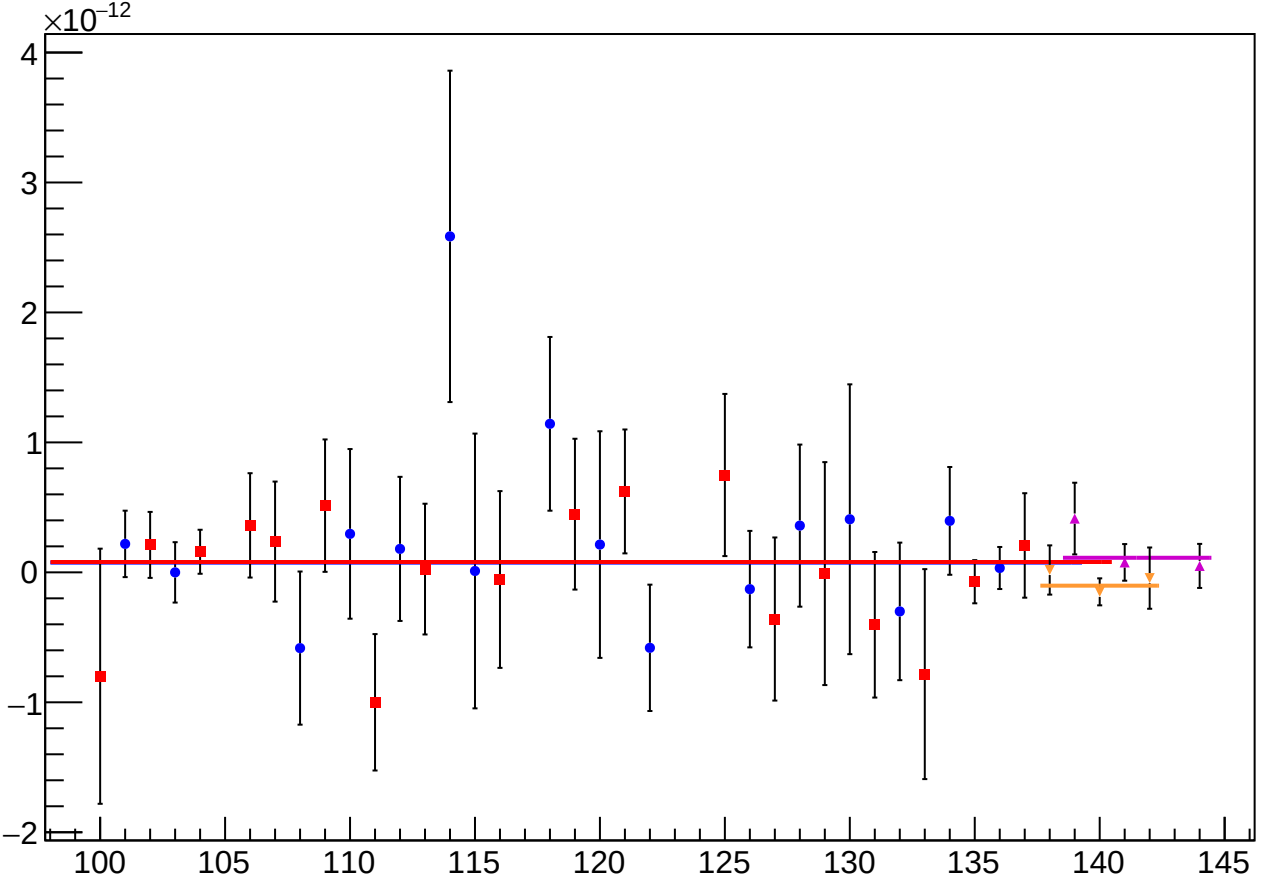
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 385.522+/-0.094 χ^2/NDF:2046180.1/18

Out: 363.798+/-0.095 χ^2/NDF:2461365.5/20

All: 374.739+/-0.067 χ^2/NDF: 4534028.4/39

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

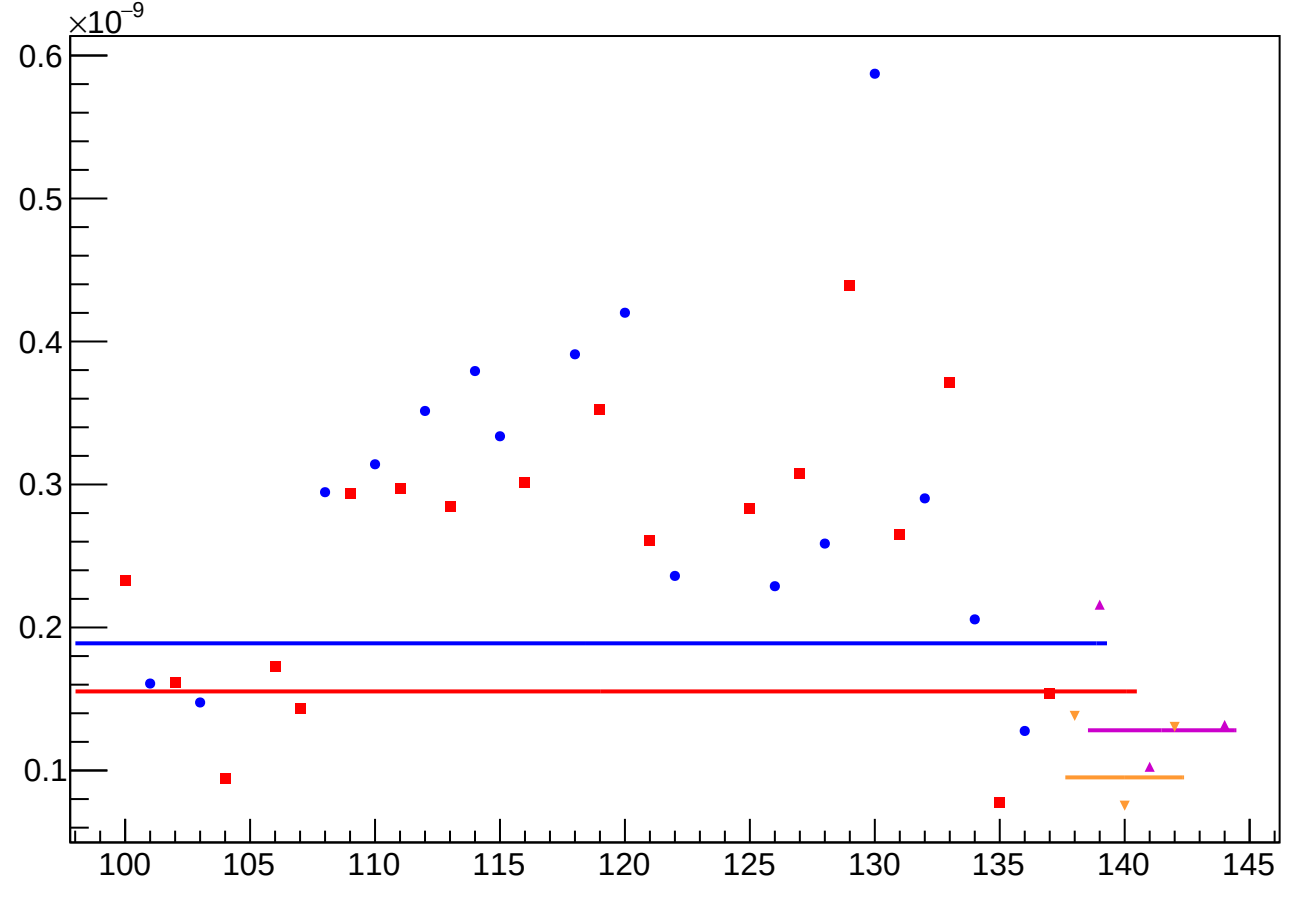
Left: -0.000+/-0.000 χ^2/NDF: 4.7/5

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.3/18

Out: -0.000+/-0.000 χ^2/NDF:16.0/20

All: 0.000+/-0.000 χ^2/NDF: 30.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:220461.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:269415.2/2

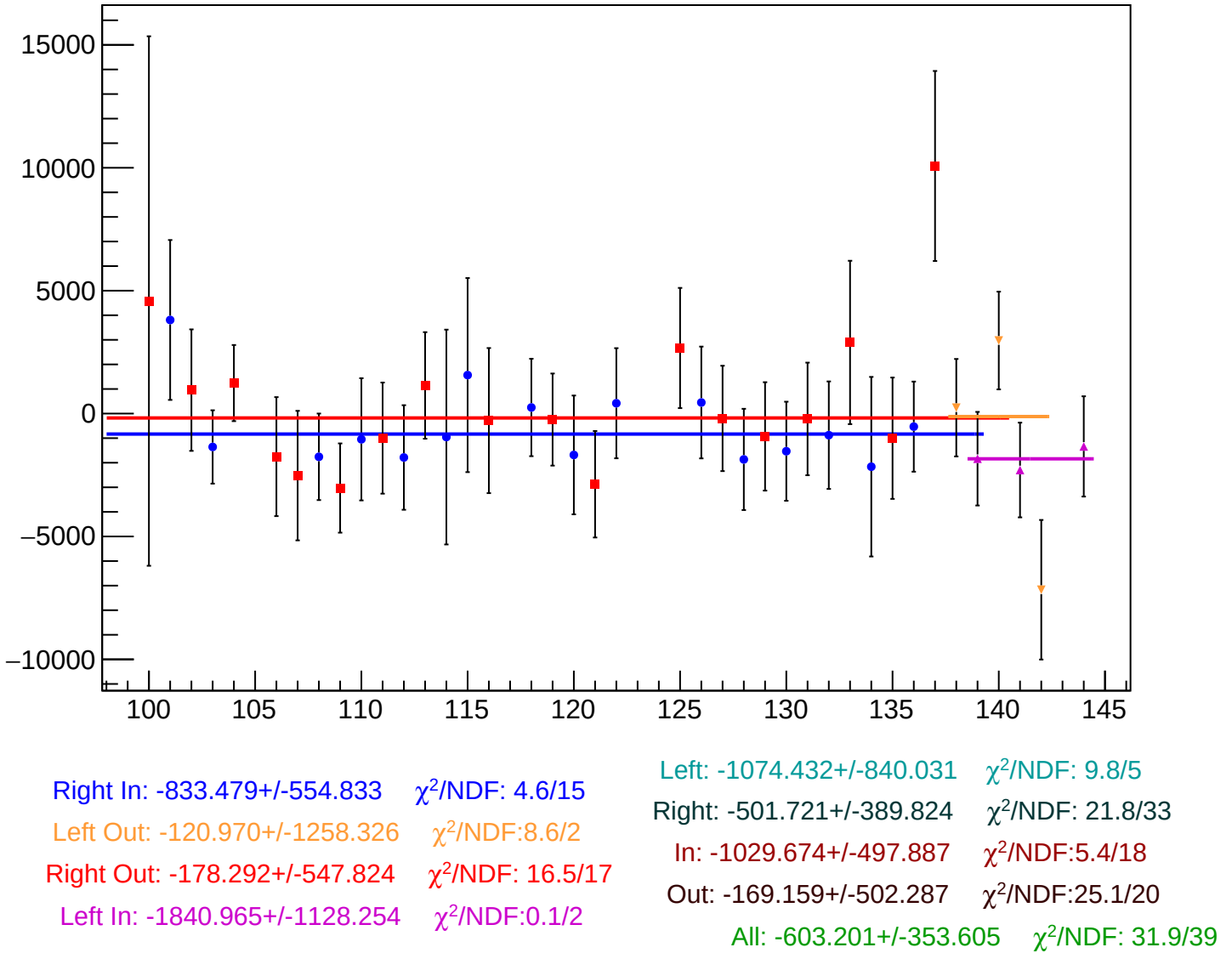
Left: 0.000+/-0.000 χ^2/NDF: 614706.3/5

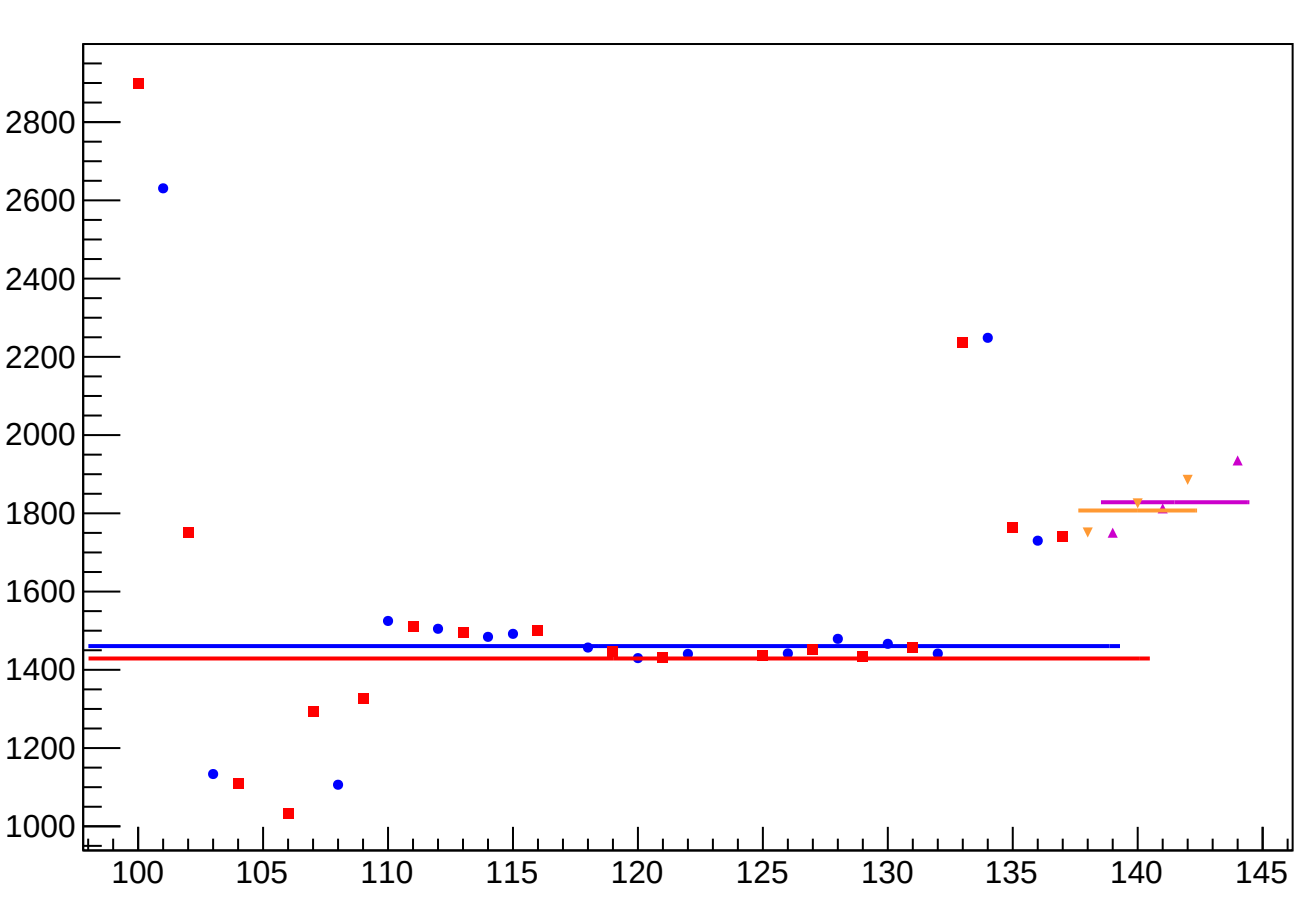
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2170108.8/18

Out: 0.000+/-0.000 χ^2/NDF:2918915.6/20

All: 0.000+/-0.000 χ^2/NDF: 5375109.3/39


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: -120.970+/-1258.326 χ²/NDF:8.6/2
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1840.965+/-1128.254 χ²/NDF:0.1/2
Left: -1074.432+/-840.031 χ²/NDF: 9.8/5
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1029.674+/-497.887 χ²/NDF:5.4/18
Out: -169.159+/-502.287 χ²/NDF:25.1/20
All: -603.201+/-353.605 χ²/NDF: 31.9/39



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

Left: 1818.942+/-0.594 χ^2/NDF: 12575.3/5

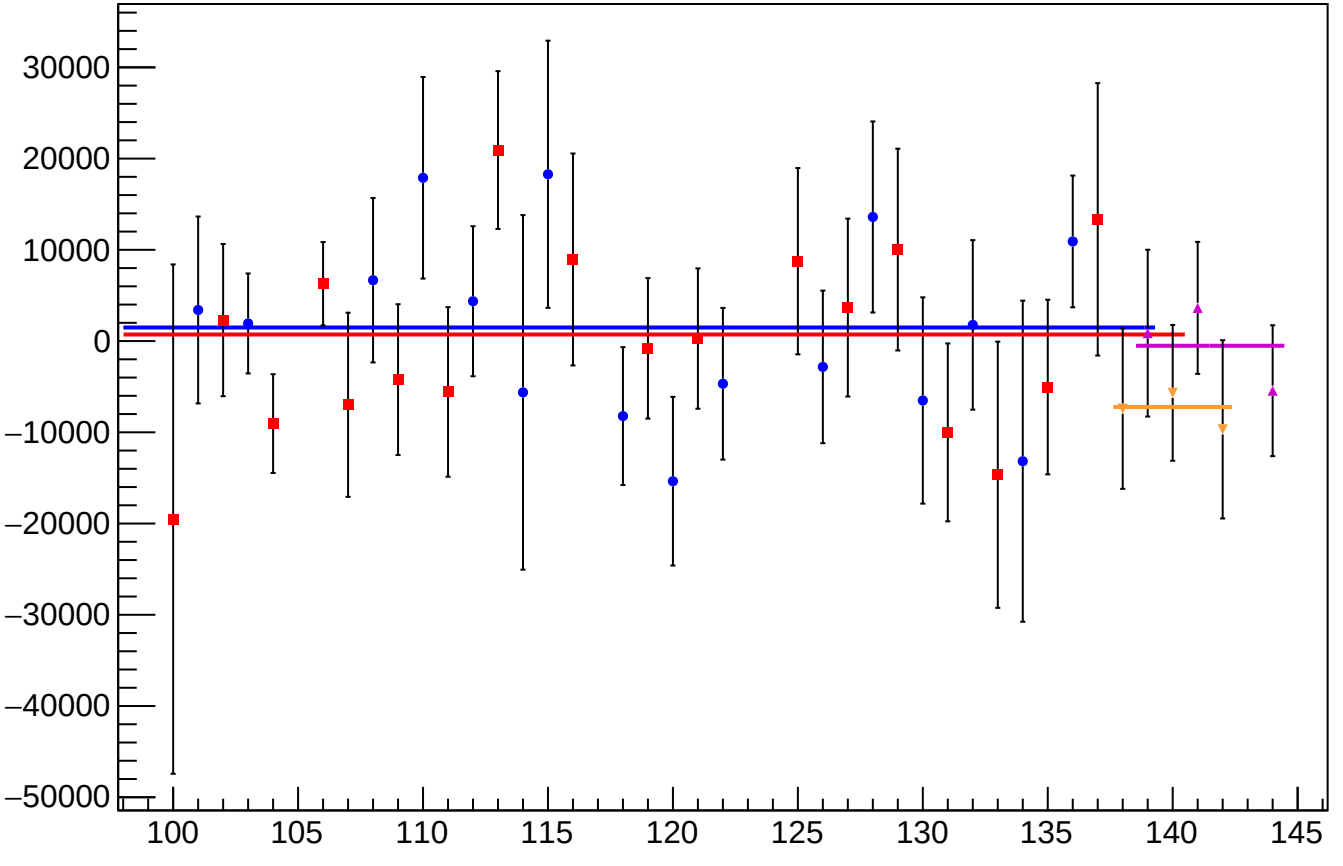
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1532.258+/-0.352 χ^2/NDF:755755.0/18

Out: 1488.470+/-0.353 χ^2/NDF:566893.8/20

All: 1510.420+/-0.249 χ^2/NDF: 1330363.6/39

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: -7225.394+/-4911.844 χ^2/NDF:0.1/2

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -512.687+/-4449.685 χ^2/NDF:0.8/2

Left: -3538.454+/-3297.718 χ^2/NDF: 2.0/5

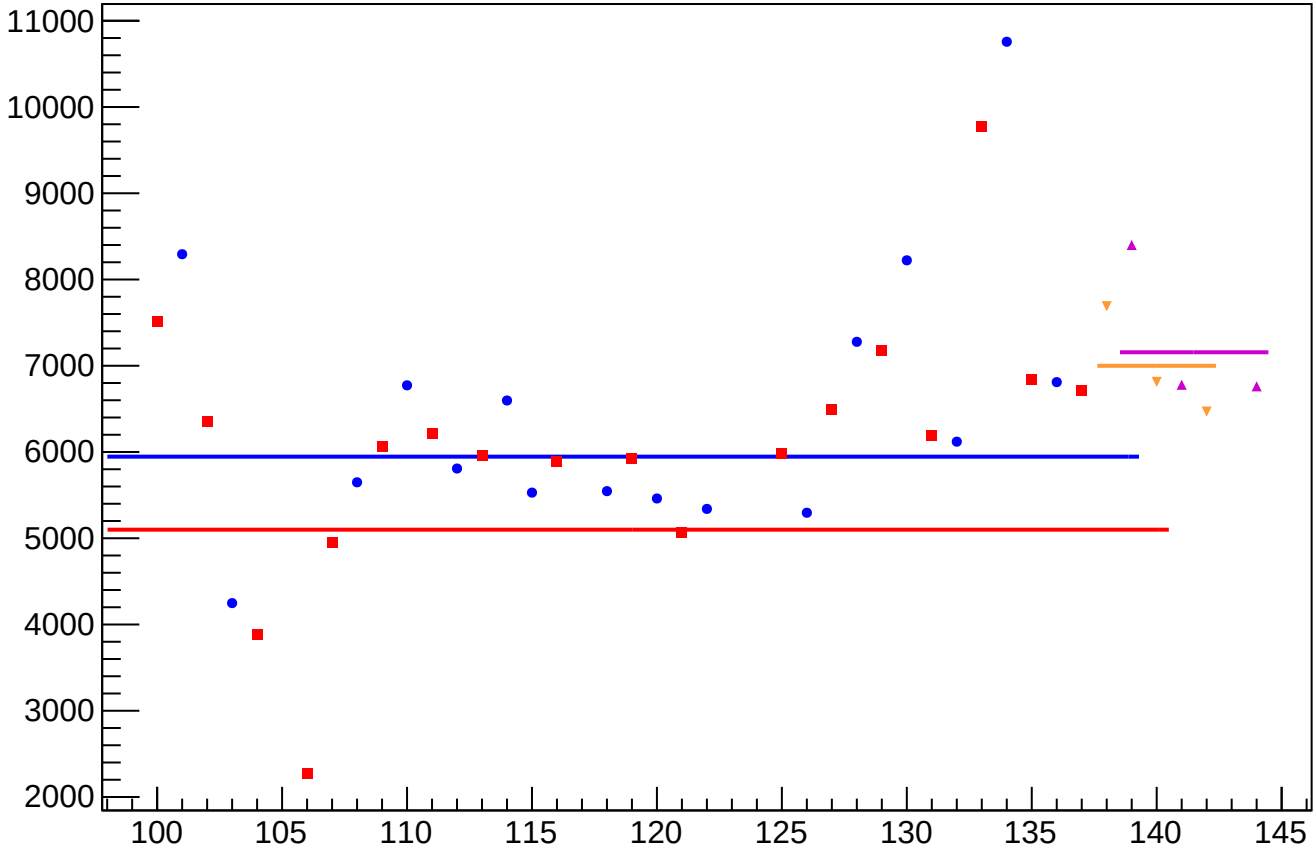
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 1074.966+/-2020.681 χ^2/NDF:15.2/18

Out: -421.038+/-1861.504 χ^2/NDF:19.9/20

All: 265.728+/-1369.102 χ^2/NDF: 35.3/39

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: 6999.598+/-3.473 χ^2/NDF:19508.1/2

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7156.423+/-3.146 χ^2/NDF:48485.5/2

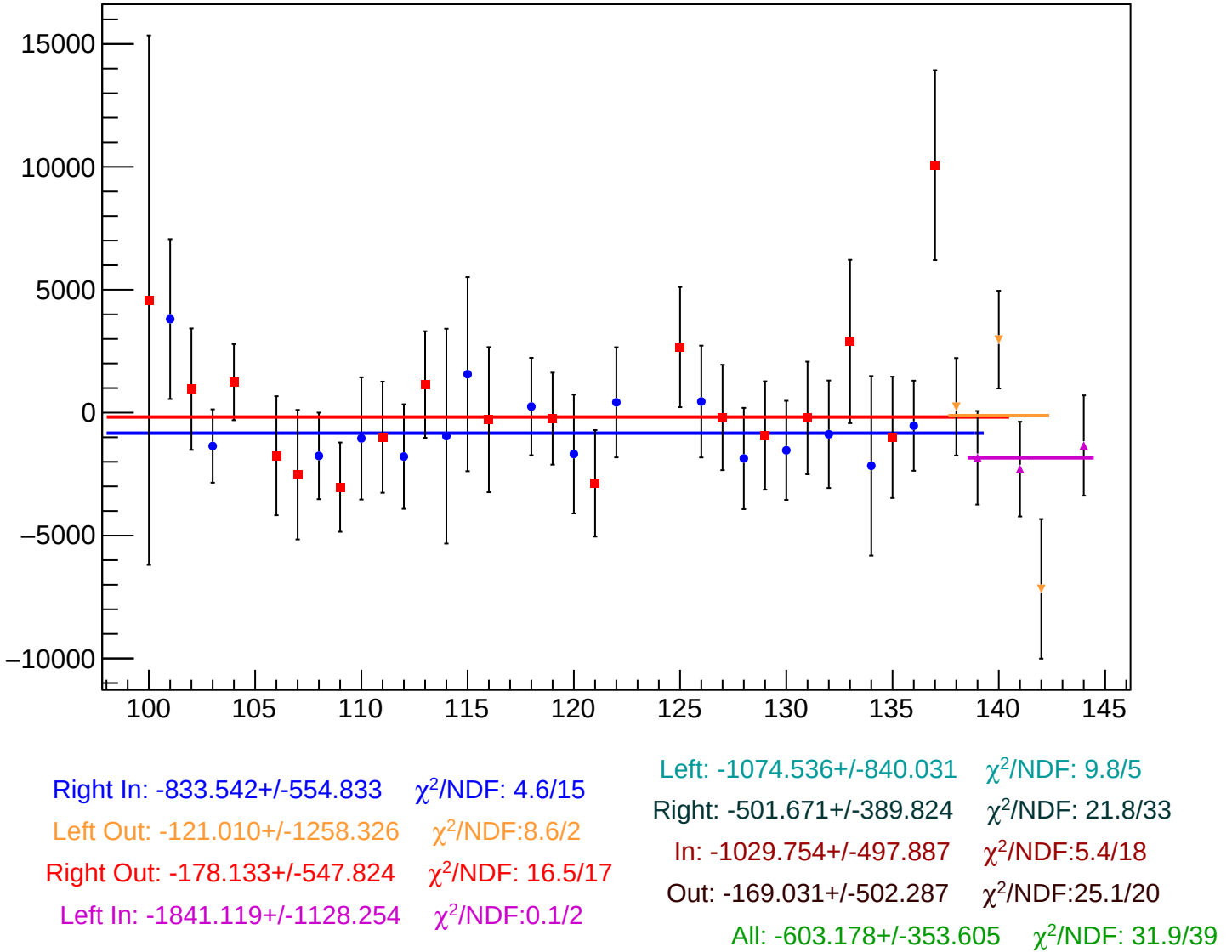
Left: 7085.734+/-2.332 χ^2/NDF: 69113.4/5

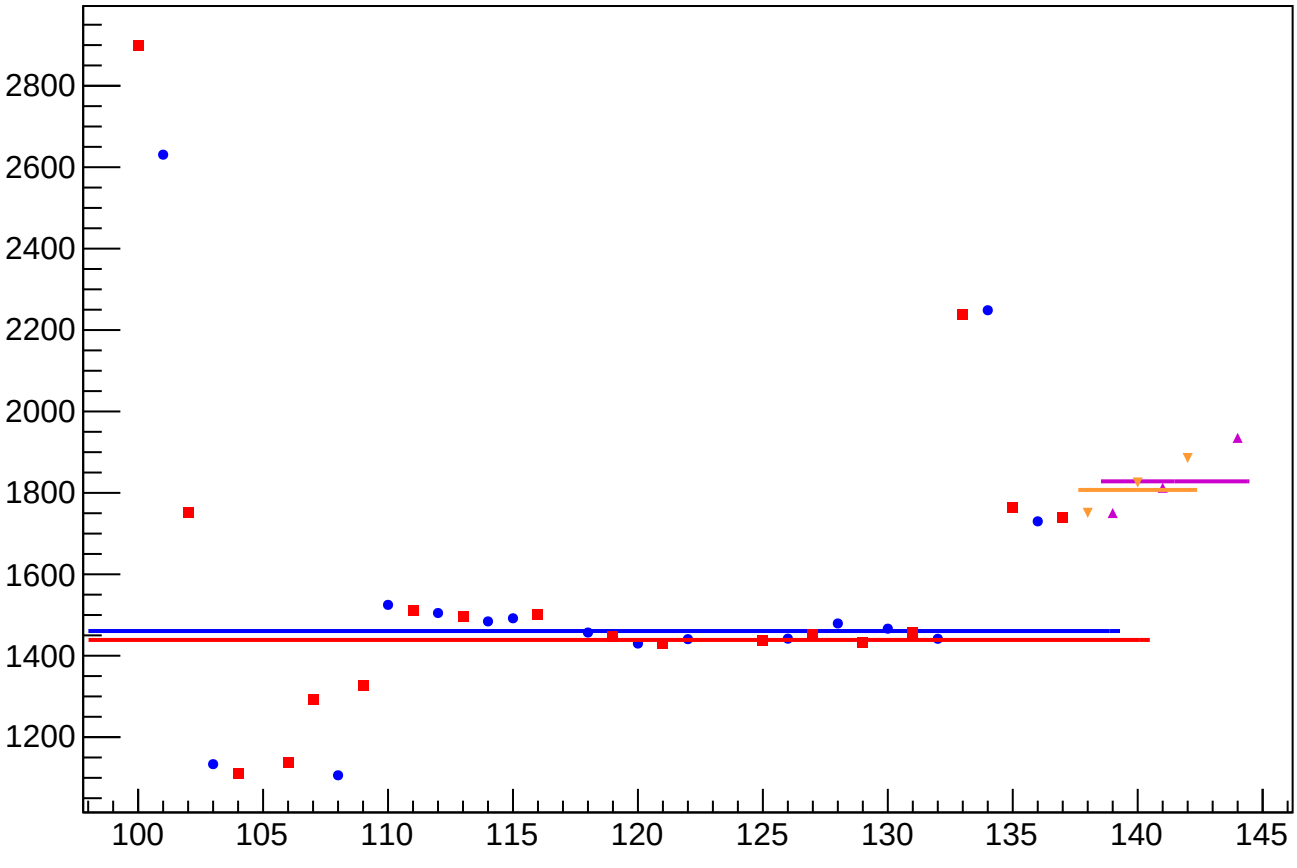
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6195.680+/-1.429 χ^2/NDF:807076.3/18

Out: 5372.300+/-1.316 χ^2/NDF:1756213.3/20

All: 5750.286+/-0.968 χ^2/NDF: 2742919.7/39


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: -121.010+/-1258.326 χ²/NDF:8.6/2
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1841.119+/-1128.254 χ²/NDF:0.1/2
Left: -1074.536+/-840.031 χ²/NDF: 9.8/5
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1029.754+/-497.887 χ²/NDF:5.4/18
Out: -169.031+/-502.287 χ²/NDF:25.1/20
All: -603.178+/-353.605 χ²/NDF: 31.9/39



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

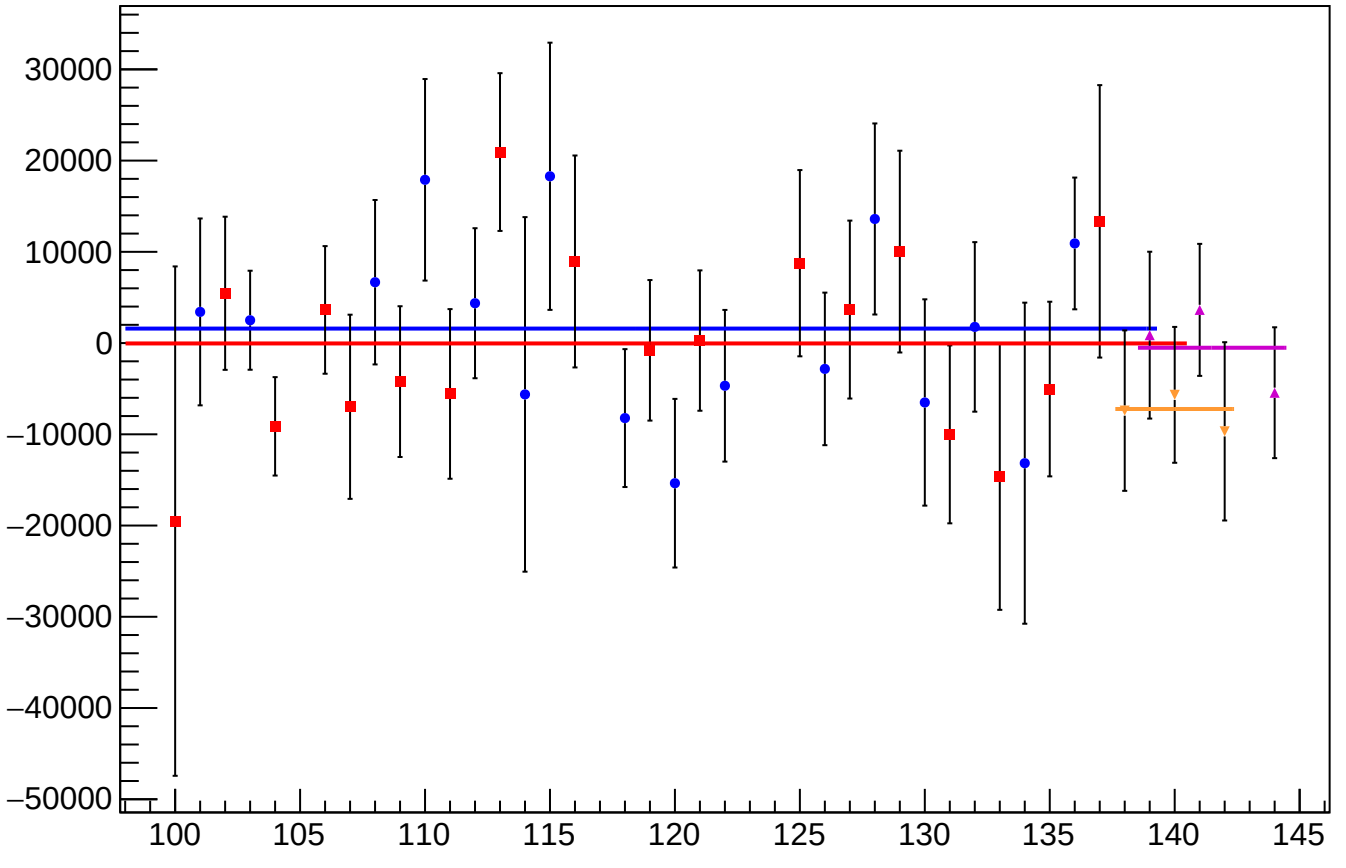
Left: 1818.942+/-0.594 χ^2/NDF: 12575.3/5

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1532.258+/-0.352 χ^2/NDF:755755.4/18

Out: 1497.250+/-0.354 χ^2/NDF:520951.8/20

All: 1514.874+/-0.250 χ^2/NDF: 1281617.0/39



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -512.751+/-4449.682 χ^2/NDF:0.8/2

Left: -3538.524+/-3297.715 χ^2/NDF: 2.0/5

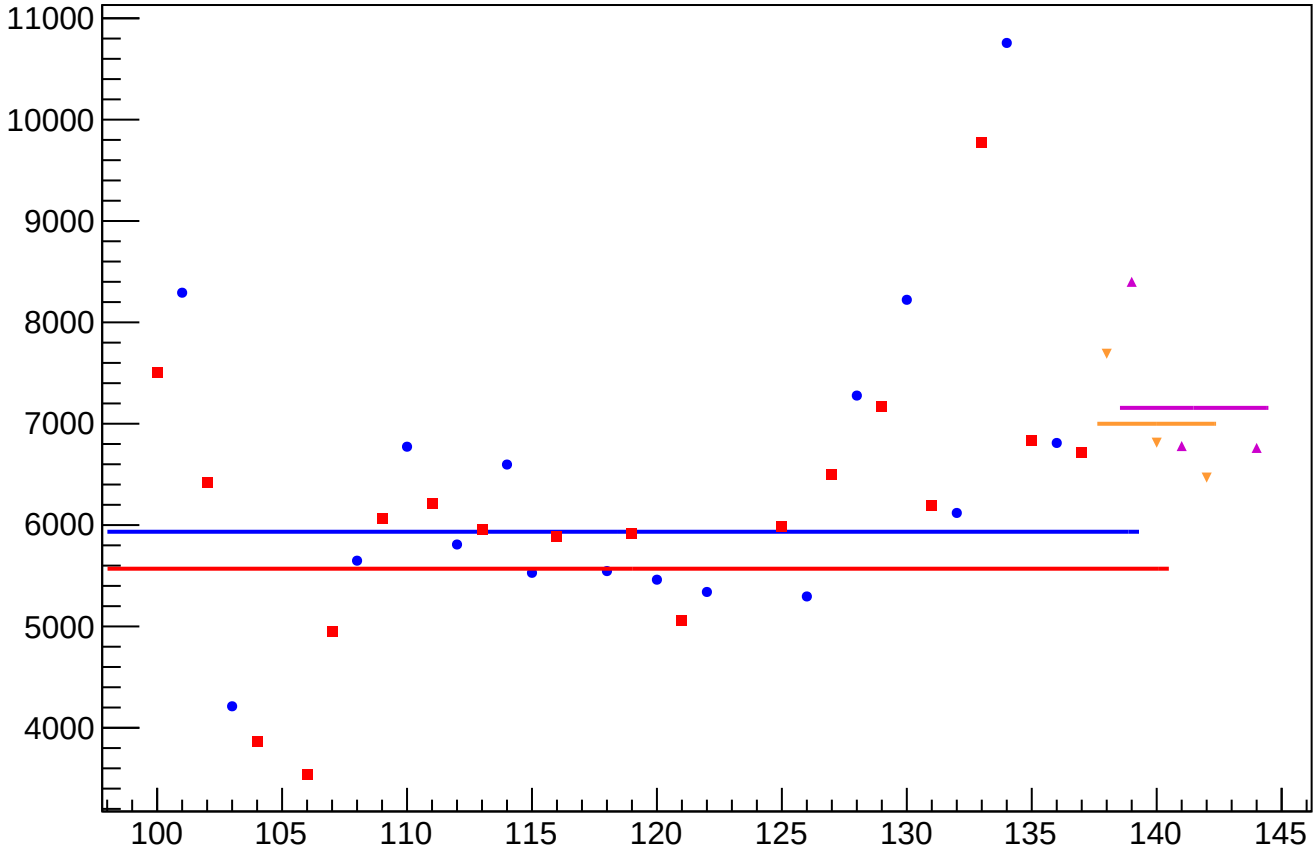
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1156.439+/-2018.014 χ^2/NDF:15.2/18

Out: -1180.617+/-1956.516 χ^2/NDF:18.4/20

All: -48.242+/-1404.704 χ^2/NDF: 34.3/39

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6999.591+/-3.473 χ^2/NDF:19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7156.417+/-3.146 χ^2/NDF:48485.4/2

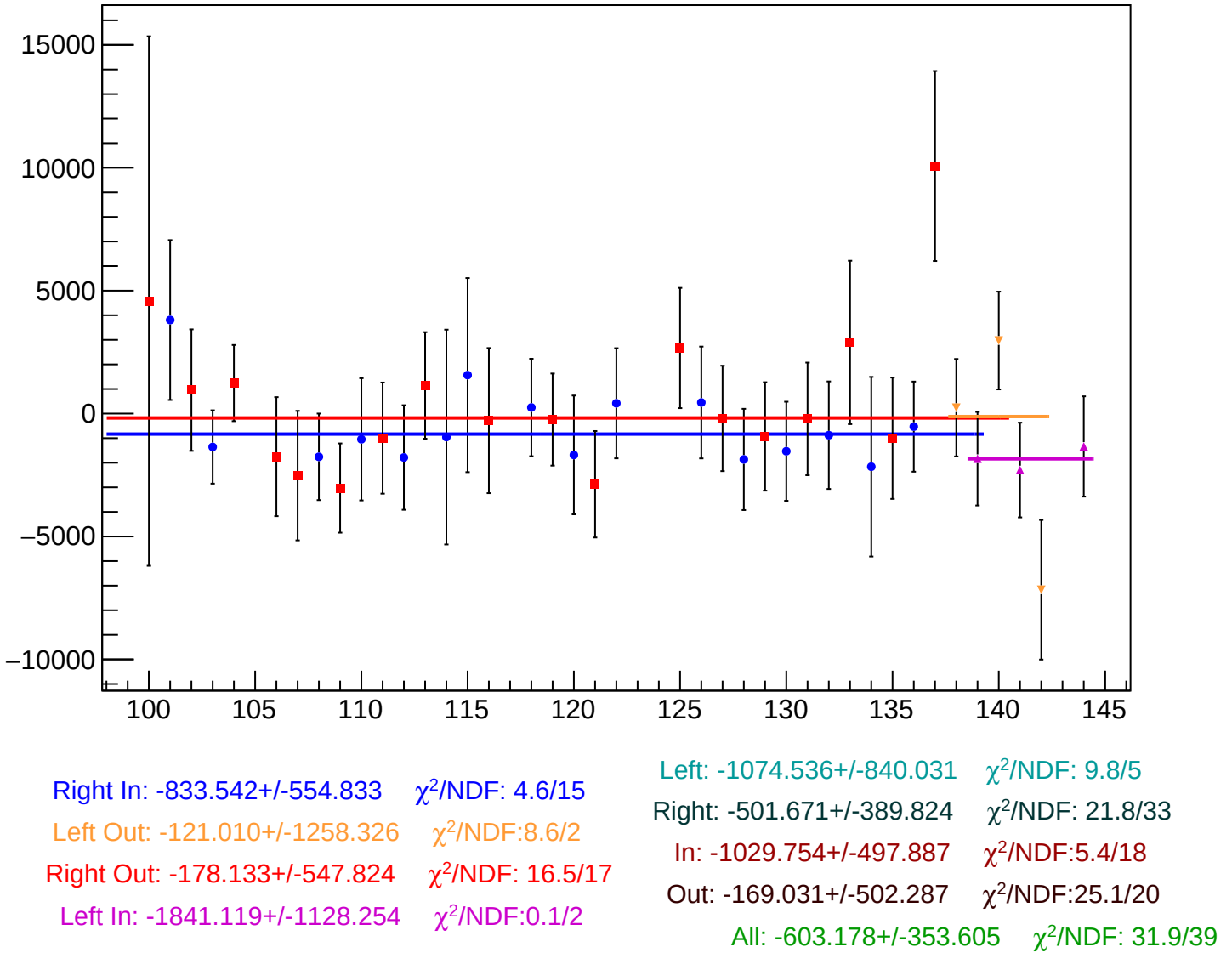
Left: 7085.727+/-2.332 χ^2/NDF: 69113.0/5

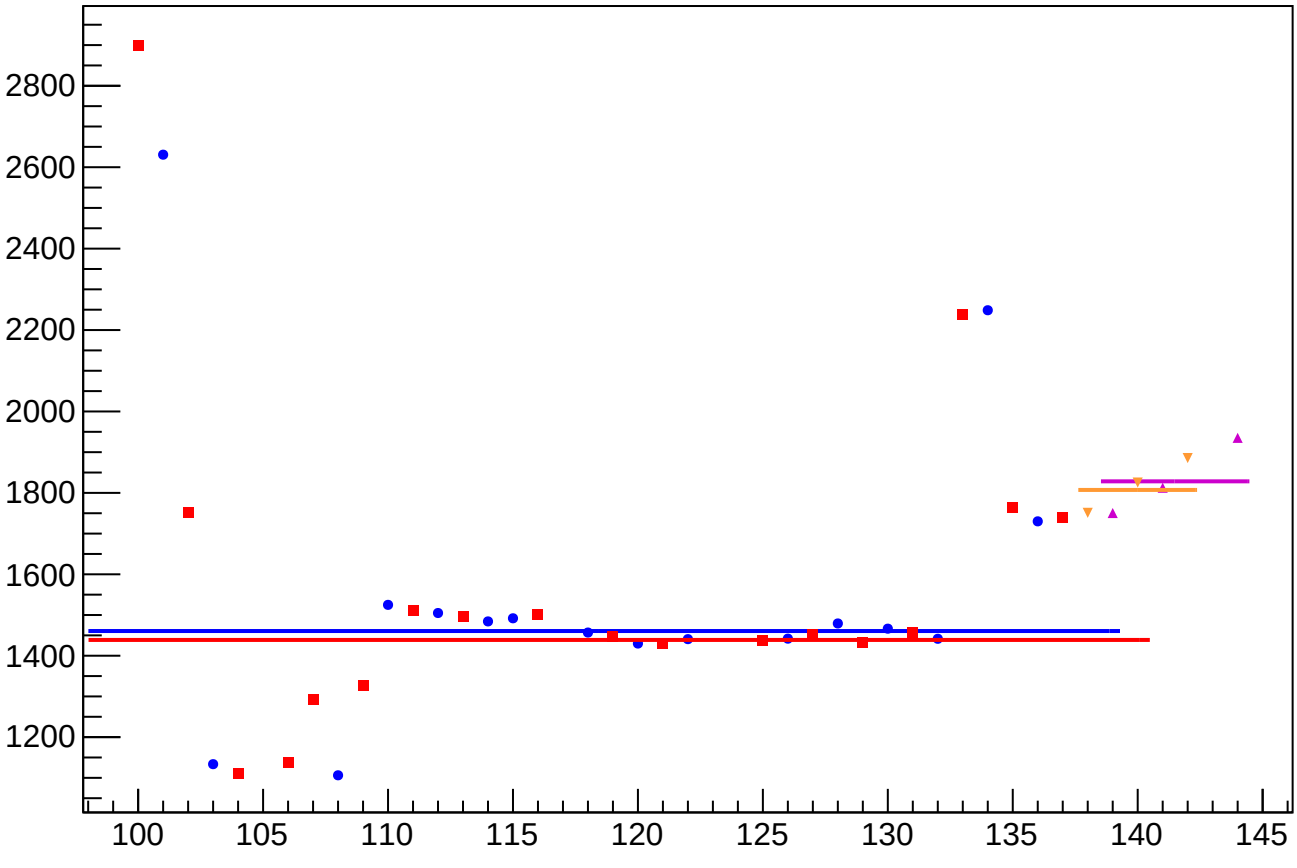
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6185.592+/-1.427 χ^2/NDF:821424.0/18

Out: 5796.493+/-1.383 χ^2/NDF:886174.5/20

All: 5985.024+/-0.993 χ^2/NDF: 1745925.4/39


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: -121.010+/-1258.326 χ²/NDF:8.6/2
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1841.119+/-1128.254 χ²/NDF:0.1/2
Left: -1074.536+/-840.031 χ²/NDF: 9.8/5
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1029.754+/-497.887 χ²/NDF:5.4/18
Out: -169.031+/-502.287 χ²/NDF:25.1/20
All: -603.178+/-353.605 χ²/NDF: 31.9/39



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1828.351+/-0.798 χ^2/NDF:8964.3/2

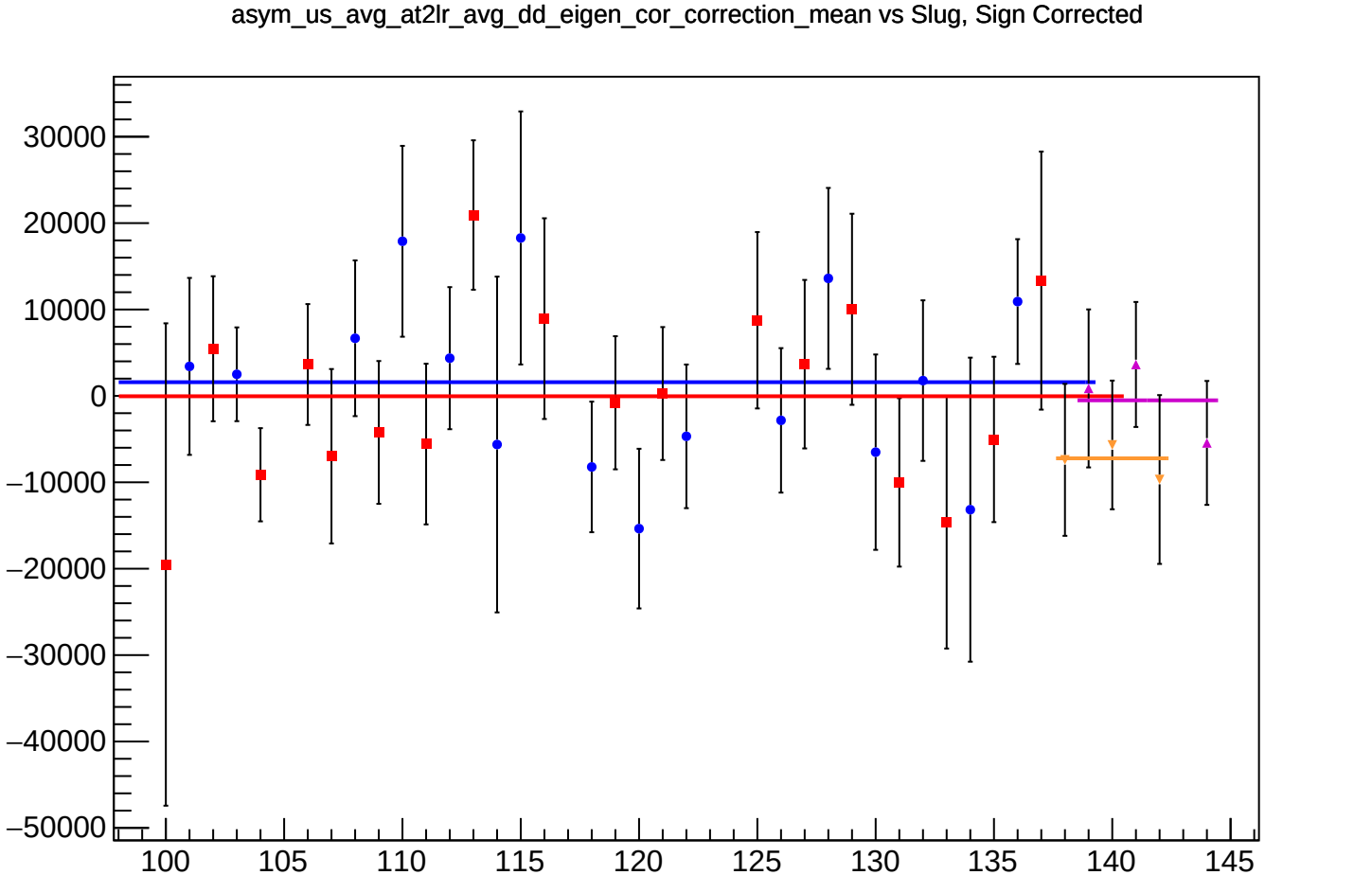
Left: 1818.942+/-0.594 χ^2/NDF: 12575.3/5

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1532.258+/-0.352 χ^2/NDF:755755.4/18

Out: 1497.250+/-0.354 χ^2/NDF:520951.8/20

All: 1514.874+/-0.250 χ^2/NDF: 1281617.0/39



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -512.751+/-4449.682 χ^2/NDF:0.8/2

Left: -3538.524+/-3297.715 χ^2/NDF: 2.0/5

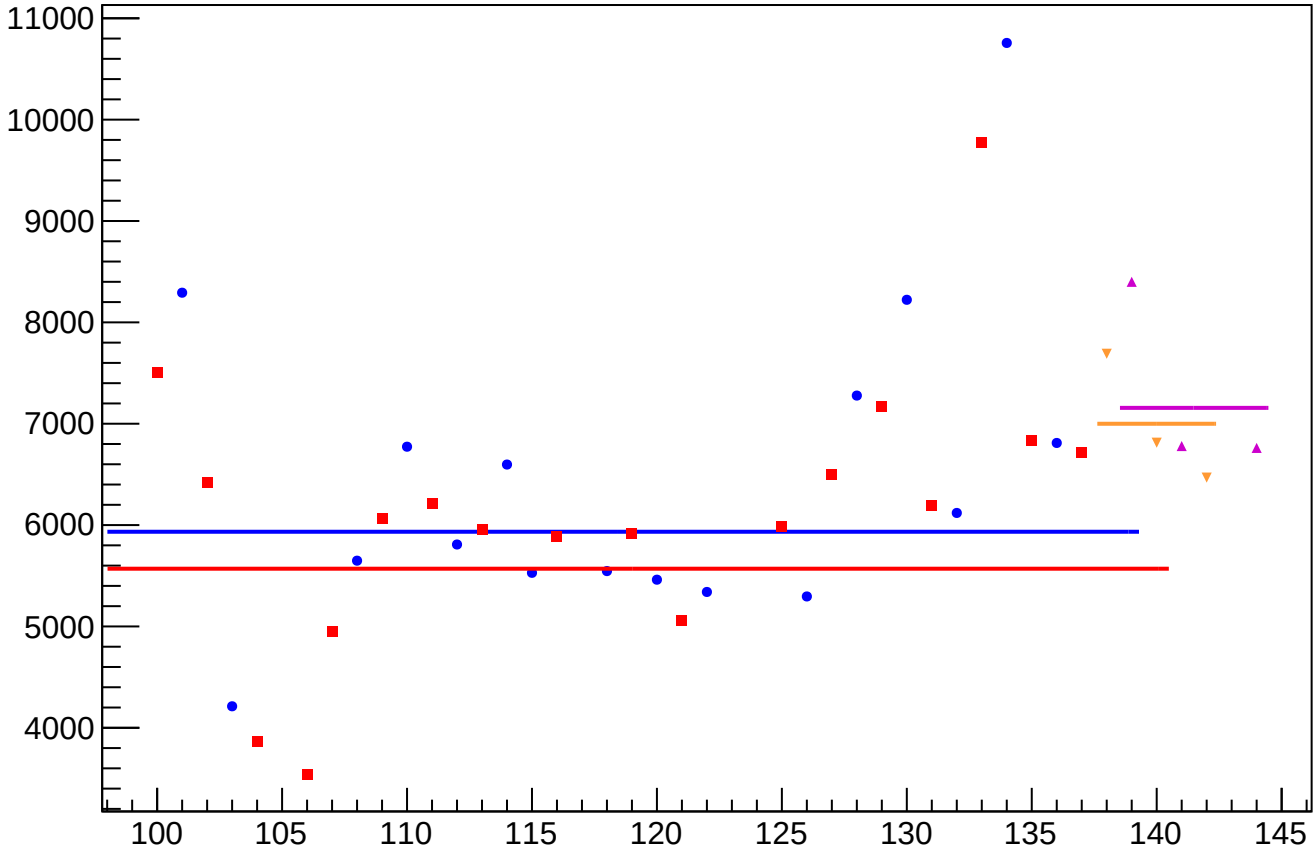
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1156.439+/-2018.014 χ^2/NDF:15.2/18

Out: -1180.617+/-1956.516 χ^2/NDF:18.4/20

All: -48.242+/-1404.704 χ^2/NDF: 34.3/39

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6999.591+/-3.473 χ^2/NDF:19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7156.417+/-3.146 χ^2/NDF:48485.4/2

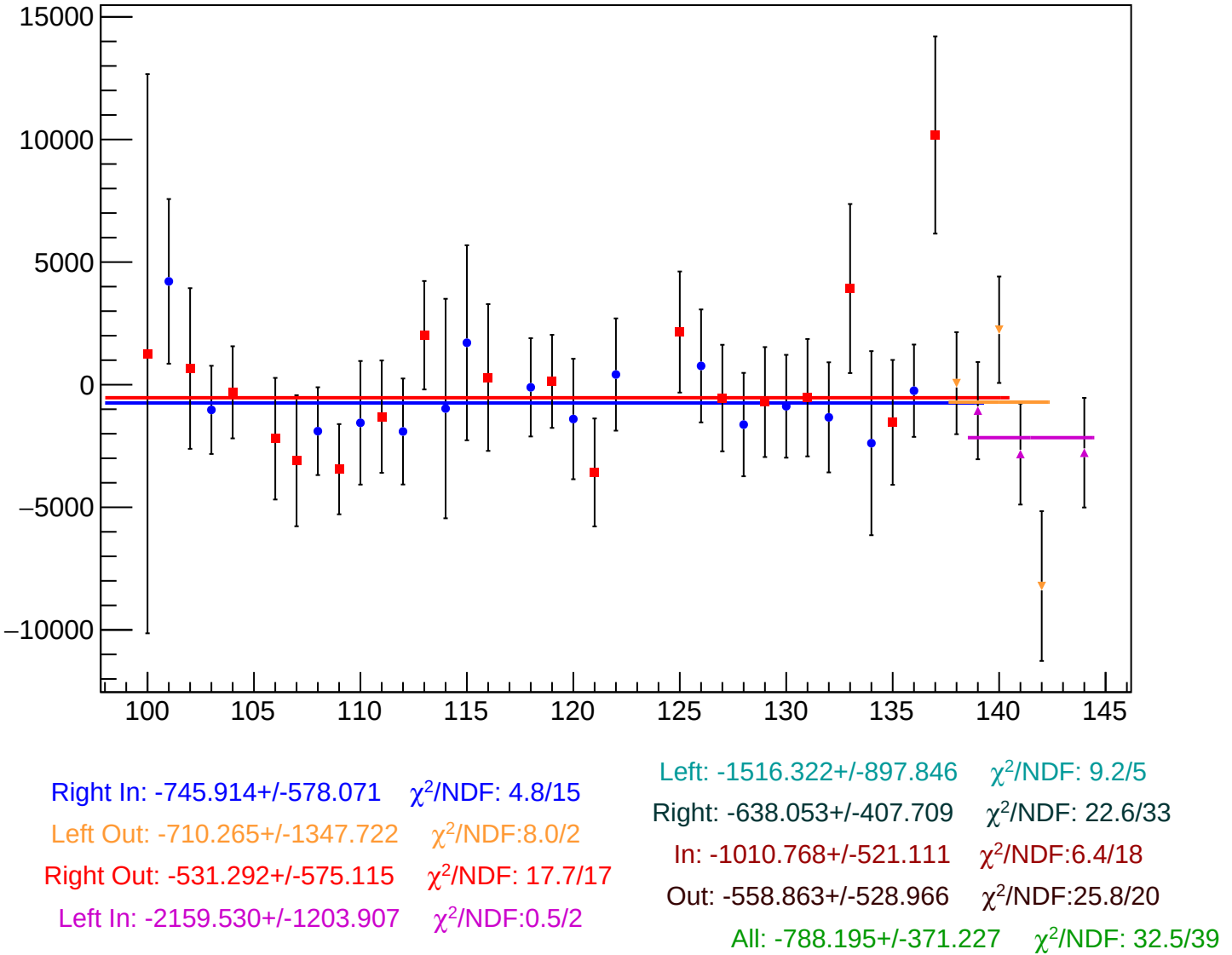
Left: 7085.727+/-2.332 χ^2/NDF: 69113.0/5

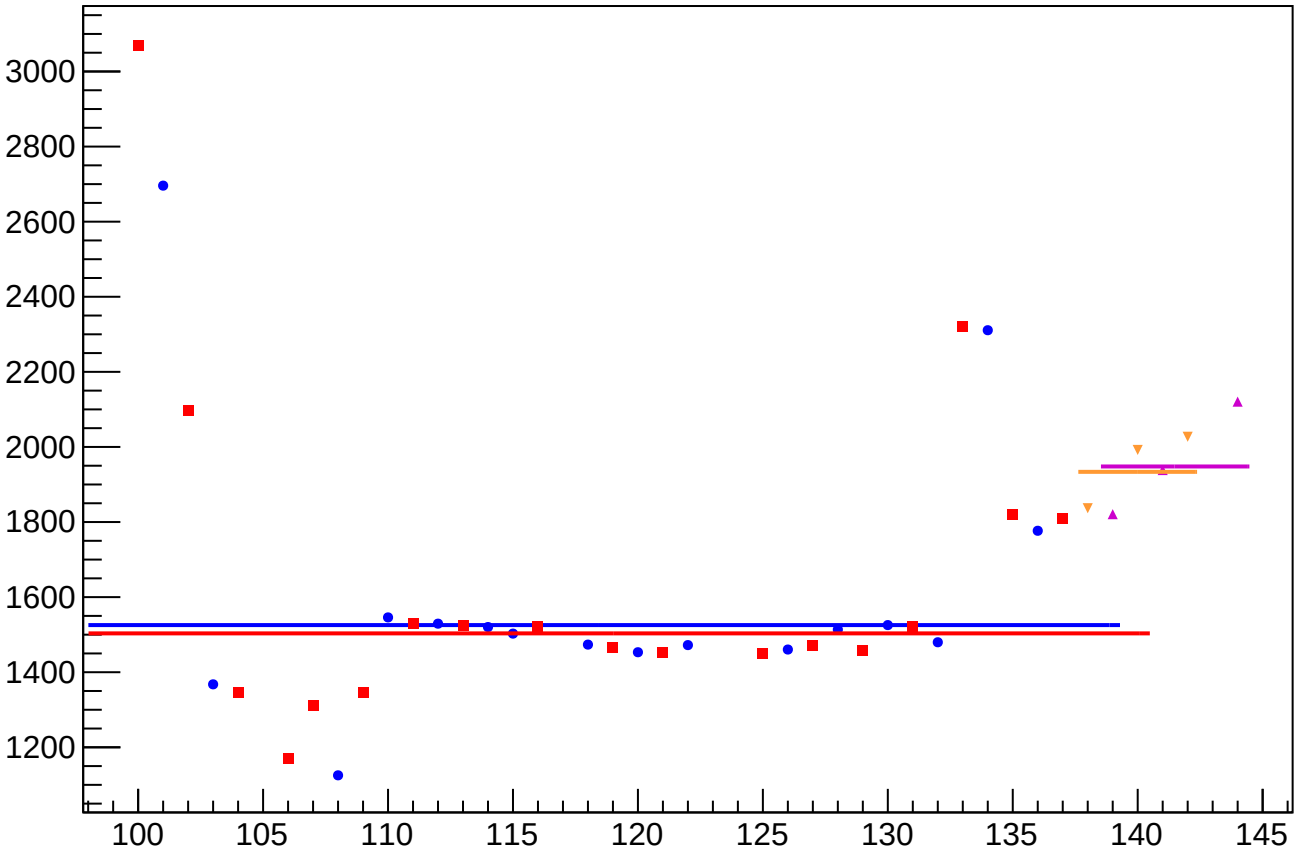
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6185.592+/-1.427 χ^2/NDF:821424.0/18

Out: 5796.493+/-1.383 χ^2/NDF:886174.5/20

All: 5985.024+/-0.993 χ^2/NDF: 1745925.4/39


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: -710.265+/-1347.722 χ²/NDF:8.0/2
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -2159.530+/-1203.907 χ²/NDF:0.5/2
Left: -1516.322+/-897.846 χ²/NDF: 9.2/5
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1010.768+/-521.111 χ²/NDF:6.4/18
Out: -558.863+/-528.966 χ²/NDF:25.8/20
All: -788.195+/-371.227 χ²/NDF: 32.5/39



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1933.688+/-0.953 χ^2/NDF:7657.2/2

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1947.979+/-0.851 χ^2/NDF:20189.9/2

Left: 1941.636+/-0.635 χ^2/NDF: 27972.1/5

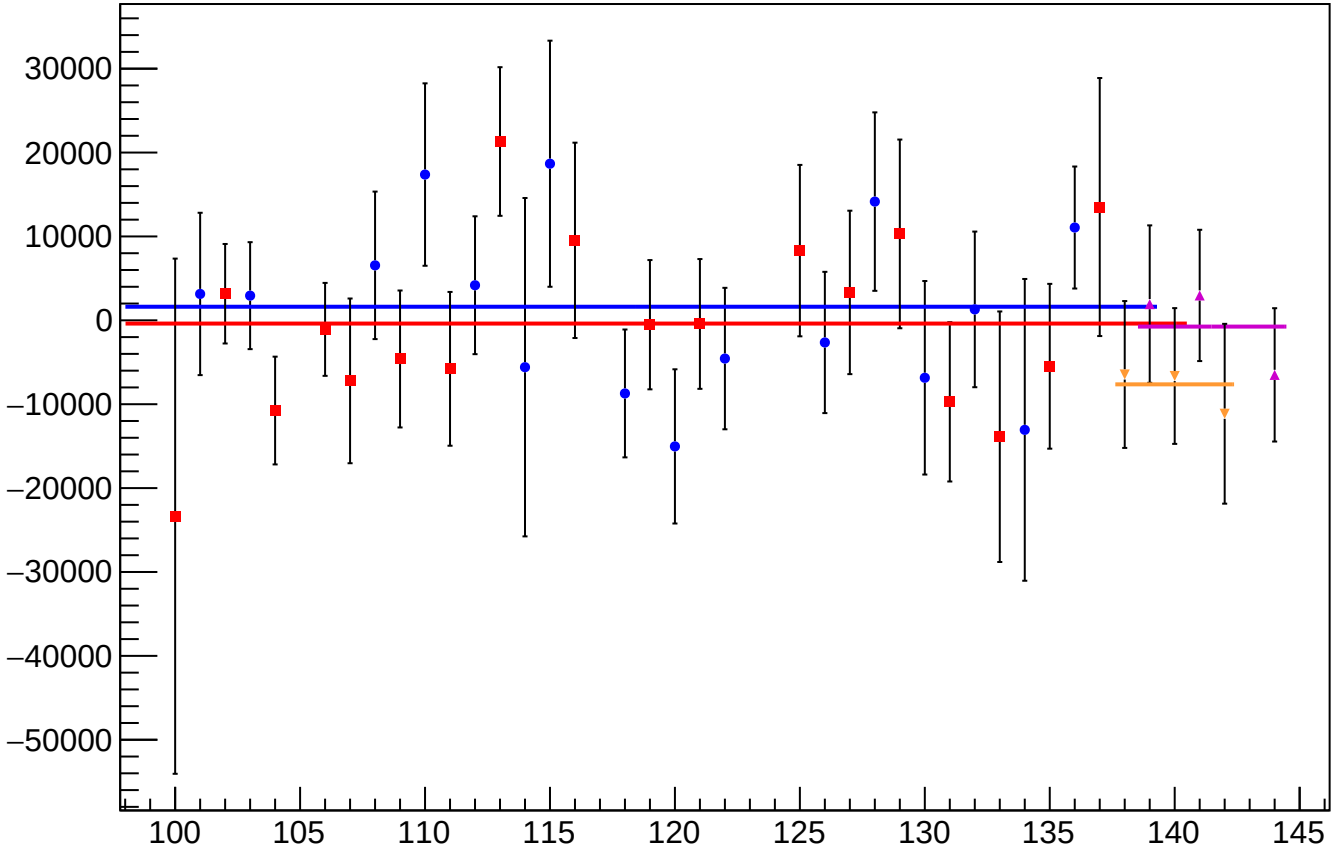
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1604.684+/-0.368 χ^2/NDF:708632.7/18

Out: 1569.681+/-0.374 χ^2/NDF:518614.5/20

All: 1587.440+/-0.262 χ^2/NDF: 1231692.7/39

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -7631.774+/-5196.844 χ^2/NDF:0.1/2

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -747.226+/-4793.587 χ^2/NDF:0.8/2

Left: -3912.062+/-3523.527 χ^2/NDF: 1.9/5

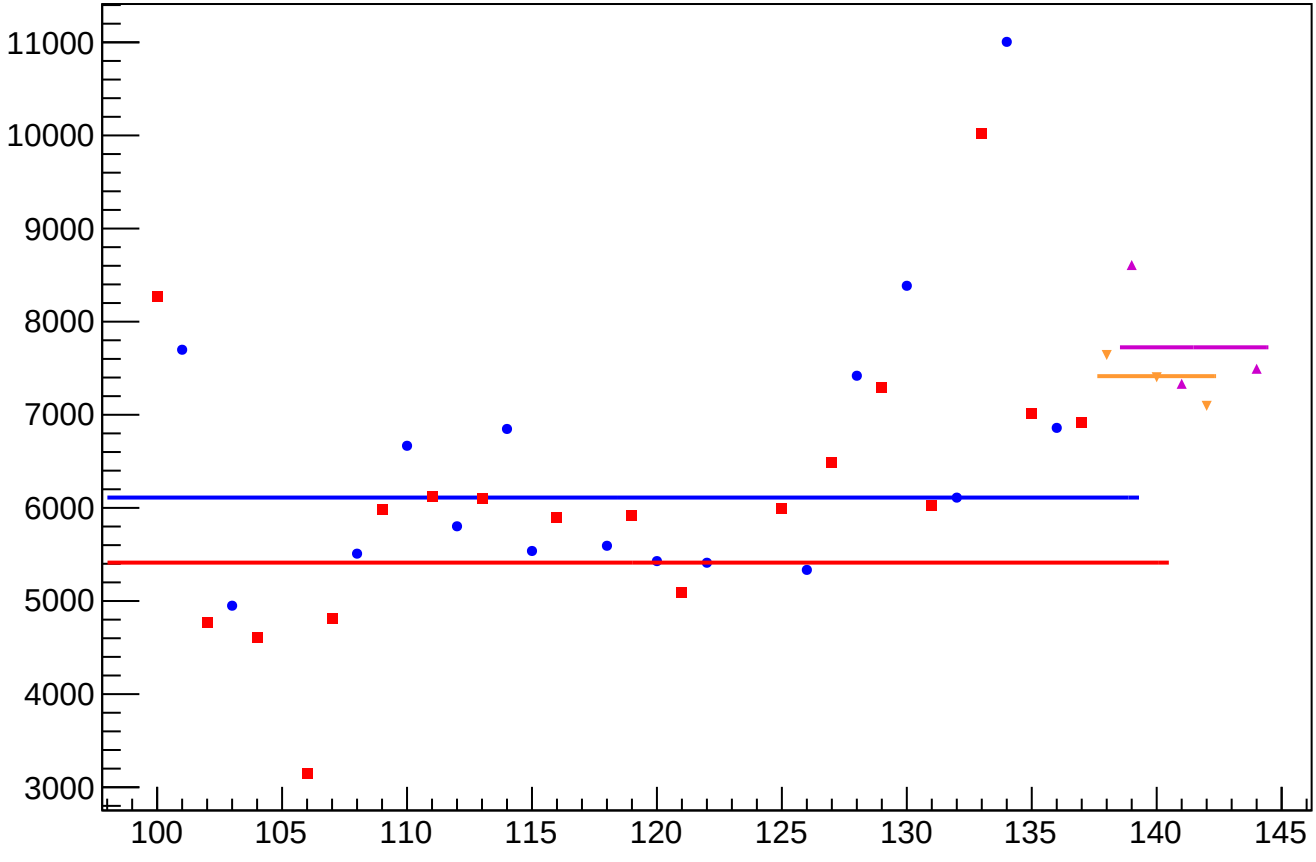
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1170.778+/-2088.304 χ^2/NDF:15.3/18

Out: -1370.583+/-1915.731 χ^2/NDF:17.8/20

All: -209.231+/-1411.700 χ^2/NDF: 33.9/39

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: 7414.817+/-3.675 χ^2/NDF:3121.0/2

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7724.514+/-3.390 χ^2/NDF:24425.5/2

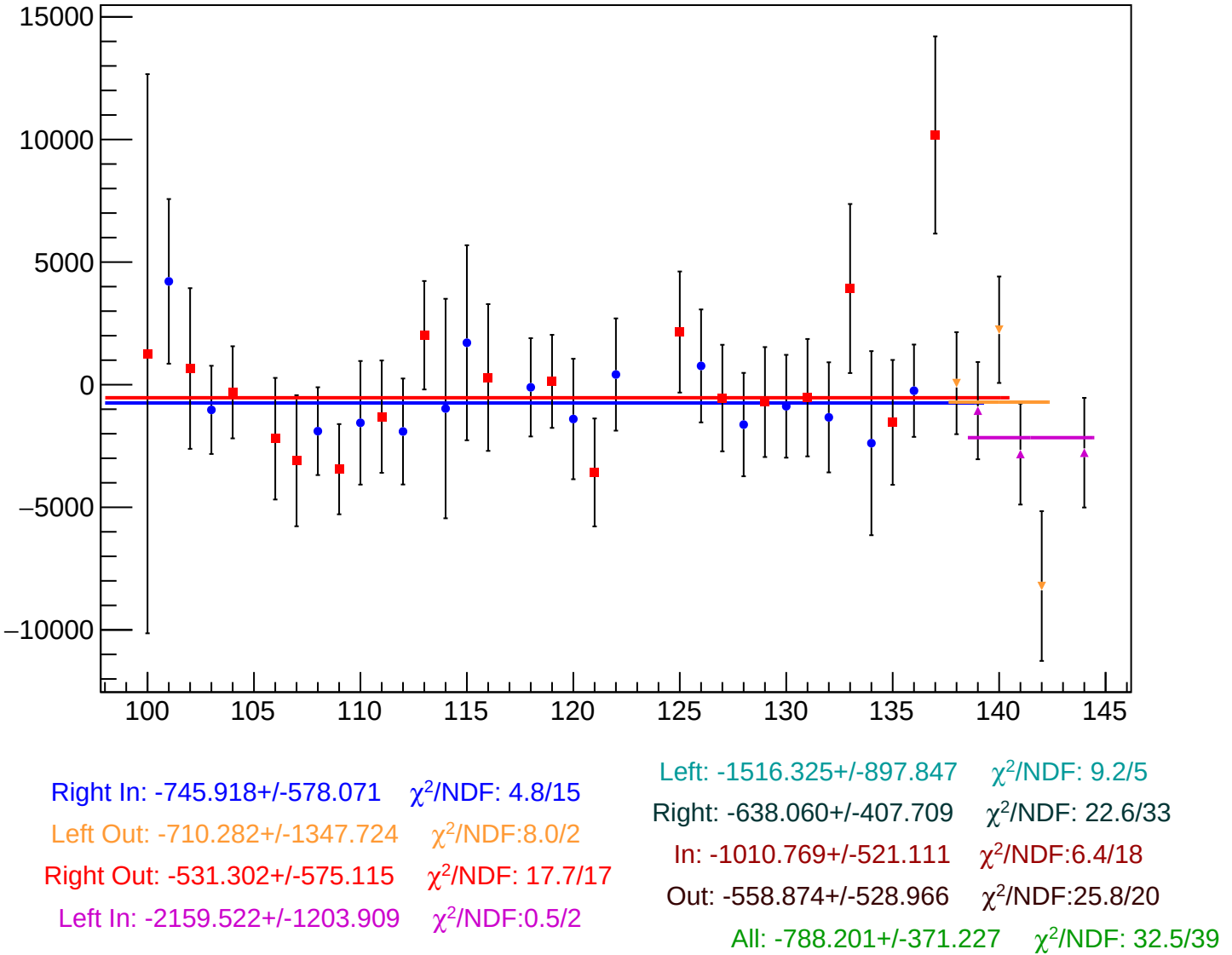
Left: 7582.146+/-2.492 χ^2/NDF: 31384.2/5

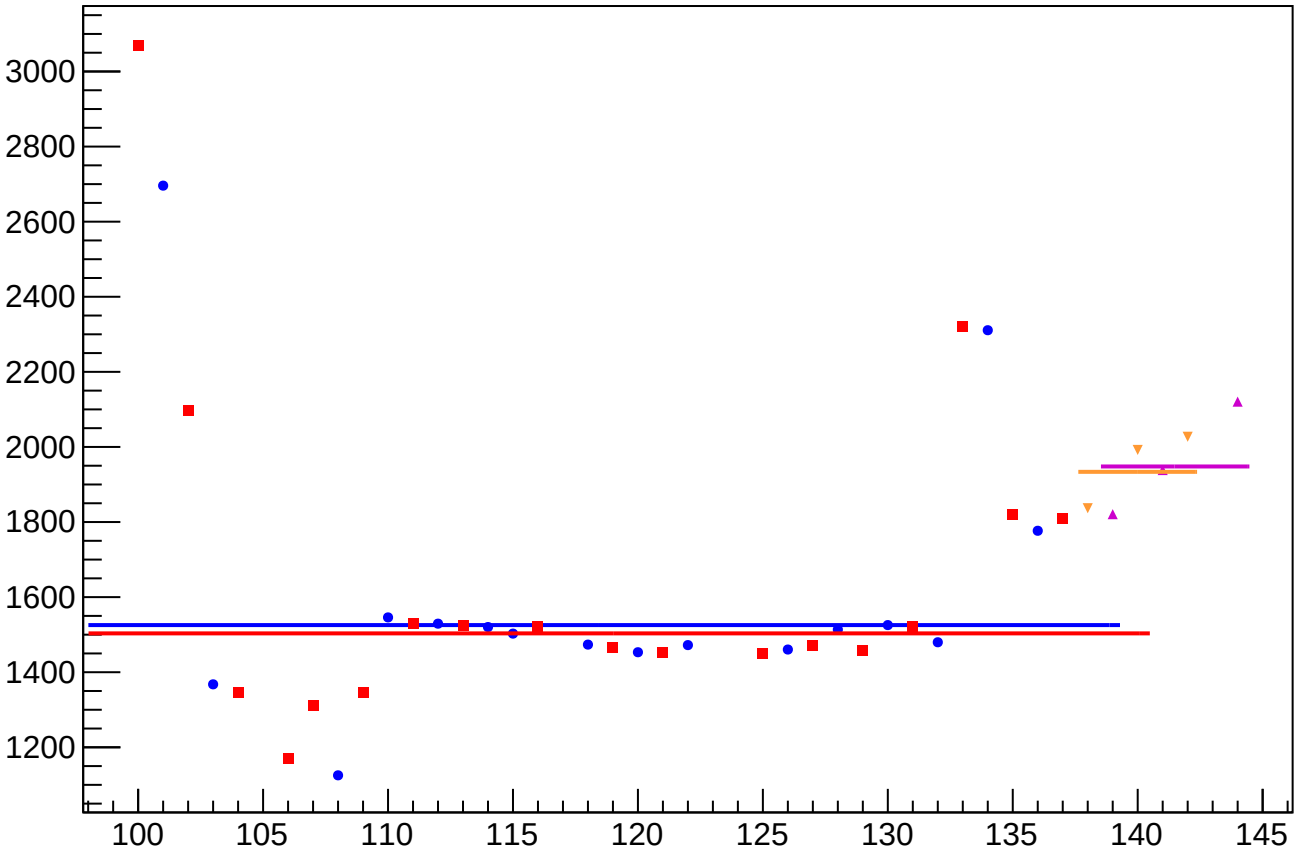
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6417.253+/-1.477 χ^2/NDF:679670.5/18

Out: 5684.402+/-1.355 χ^2/NDF:1081266.4/20

All: 6019.301+/-0.998 χ^2/NDF: 1894685.7/39


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: -710.282+/-1347.724 χ²/NDF:8.0/2
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -2159.522+/-1203.909 χ²/NDF:0.5/2
Left: -1516.325+/-897.847 χ²/NDF: 9.2/5
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1010.769+/-521.111 χ²/NDF:6.4/18
Out: -558.874+/-528.966 χ²/NDF:25.8/20
All: -788.201+/-371.227 χ²/NDF: 32.5/39



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1933.690+/-0.953 χ^2/NDF:7657.3/2

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1947.981+/-0.851 χ^2/NDF:20189.9/2

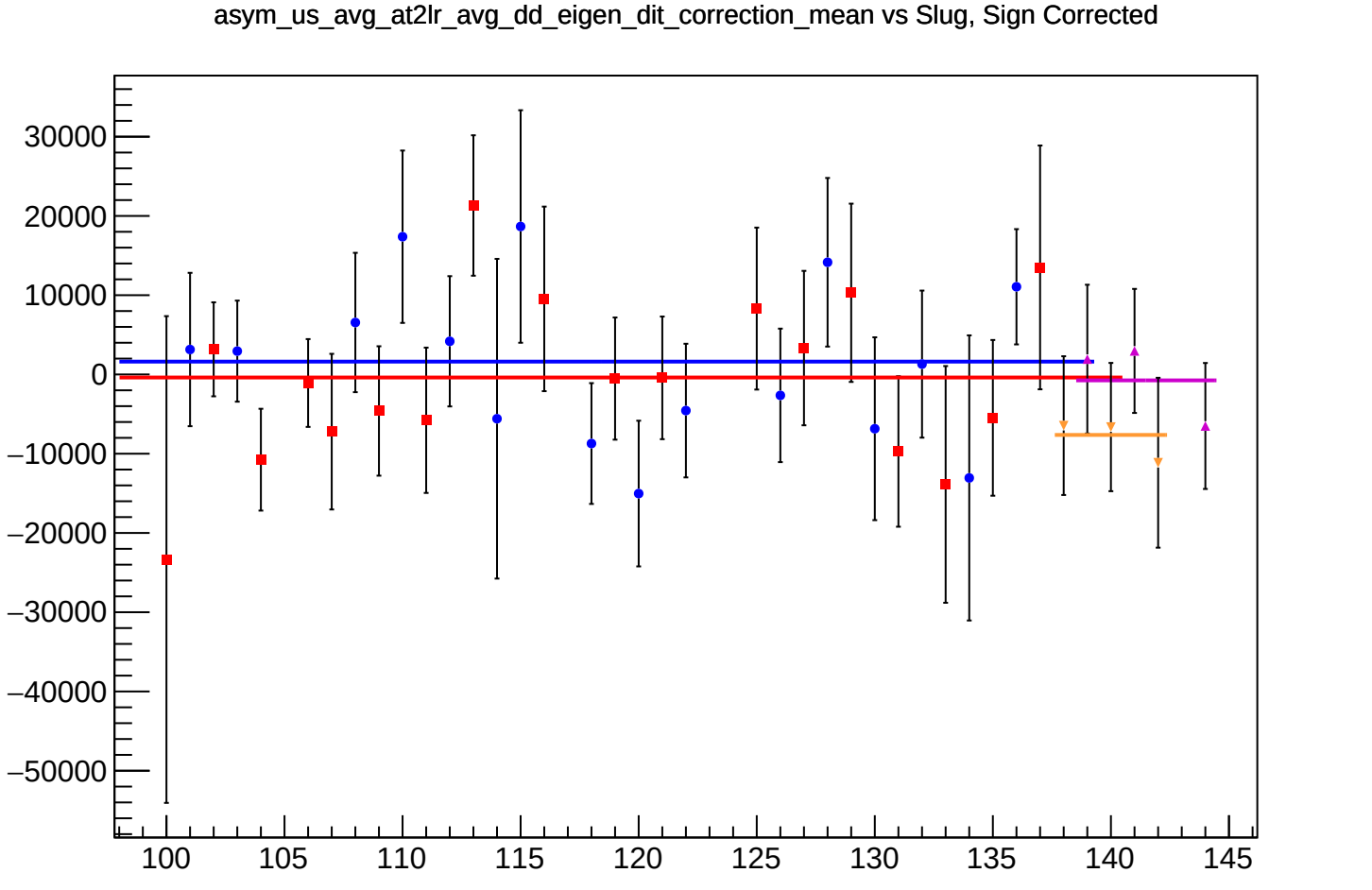
Left: 1941.638+/-0.635 χ^2/NDF: 27972.3/5

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1604.685+/-0.368 χ^2/NDF:708634.2/18

Out: 1569.682+/-0.374 χ^2/NDF:518615.9/20

All: 1587.441+/-0.262 χ^2/NDF: 1231695.6/39



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -7631.802+/-5196.852 χ^2/NDF:0.1/2

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -747.219+/-4793.594 χ^2/NDF:0.8/2

Left: -3912.071+/-3523.532 χ^2/NDF: 1.9/5

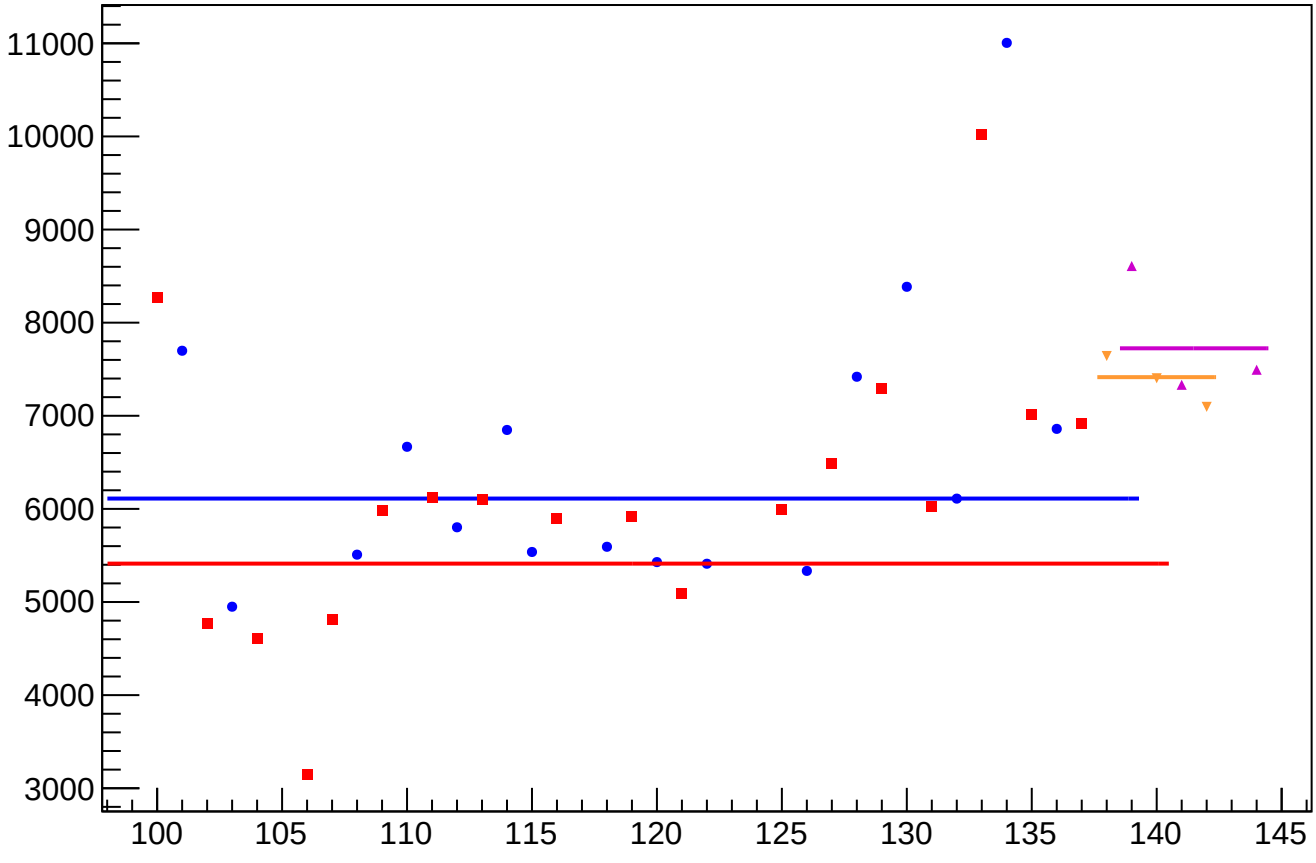
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1170.766+/-2088.301 χ^2/NDF:15.3/18

Out: -1370.586+/-1915.728 χ^2/NDF:17.8/20

All: -209.239+/-1411.697 χ^2/NDF: 33.9/39

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7414.828+/-3.675 χ^2/NDF:3121.1/2

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7724.525+/-3.390 χ^2/NDF:24426.1/2

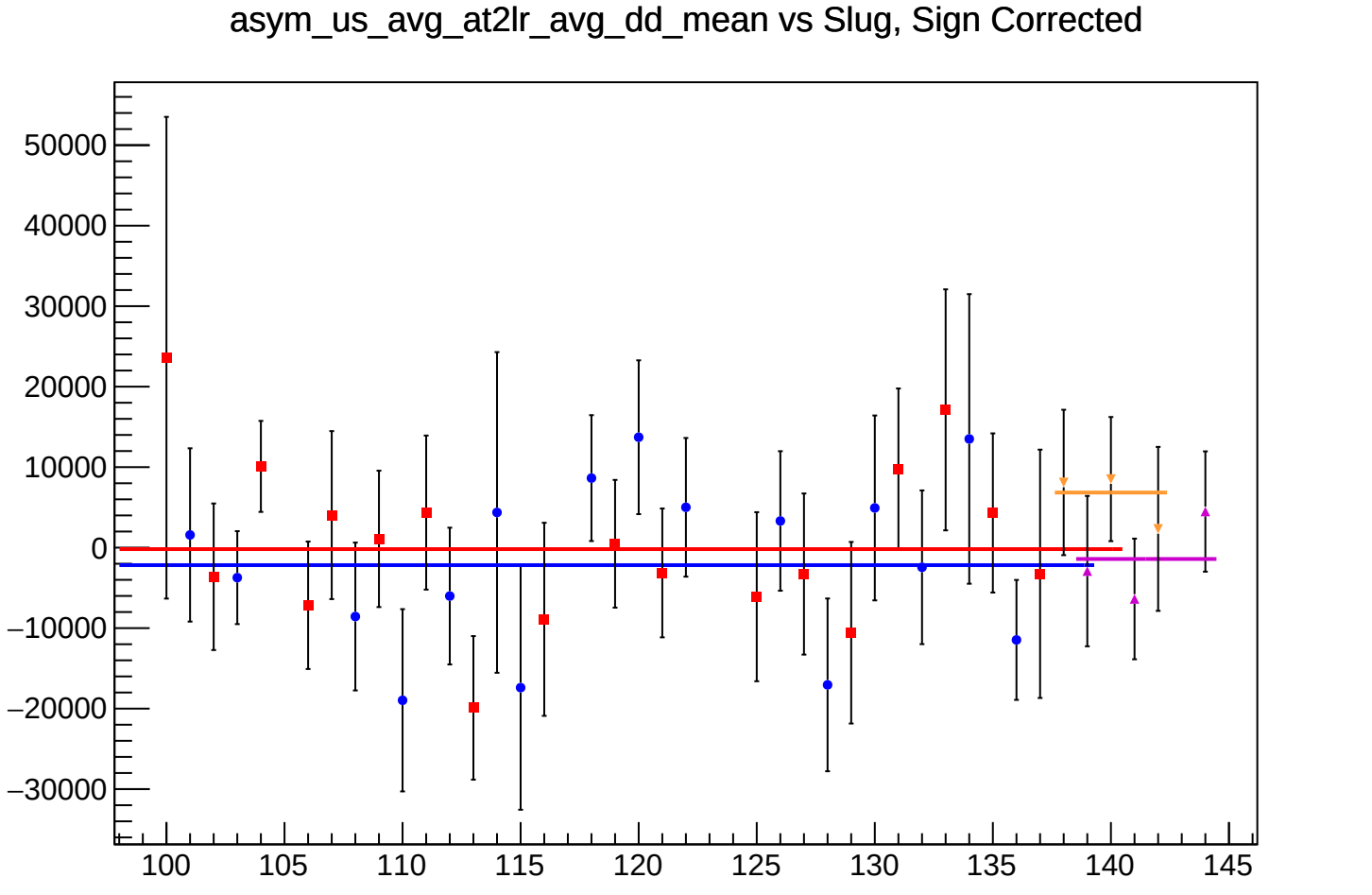
Left: 7582.157+/-2.492 χ^2/NDF: 31384.8/5

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6417.243+/-1.477 χ^2/NDF:679678.6/18

Out: 5684.393+/-1.355 χ^2/NDF:1081272.0/20

All: 6019.290+/-0.998 χ^2/NDF: 1894699.5/39



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 6844.295+/-5082.448 χ^2/NDF:0.3/2

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -1410.451+/-4604.094 χ^2/NDF:1.1/2

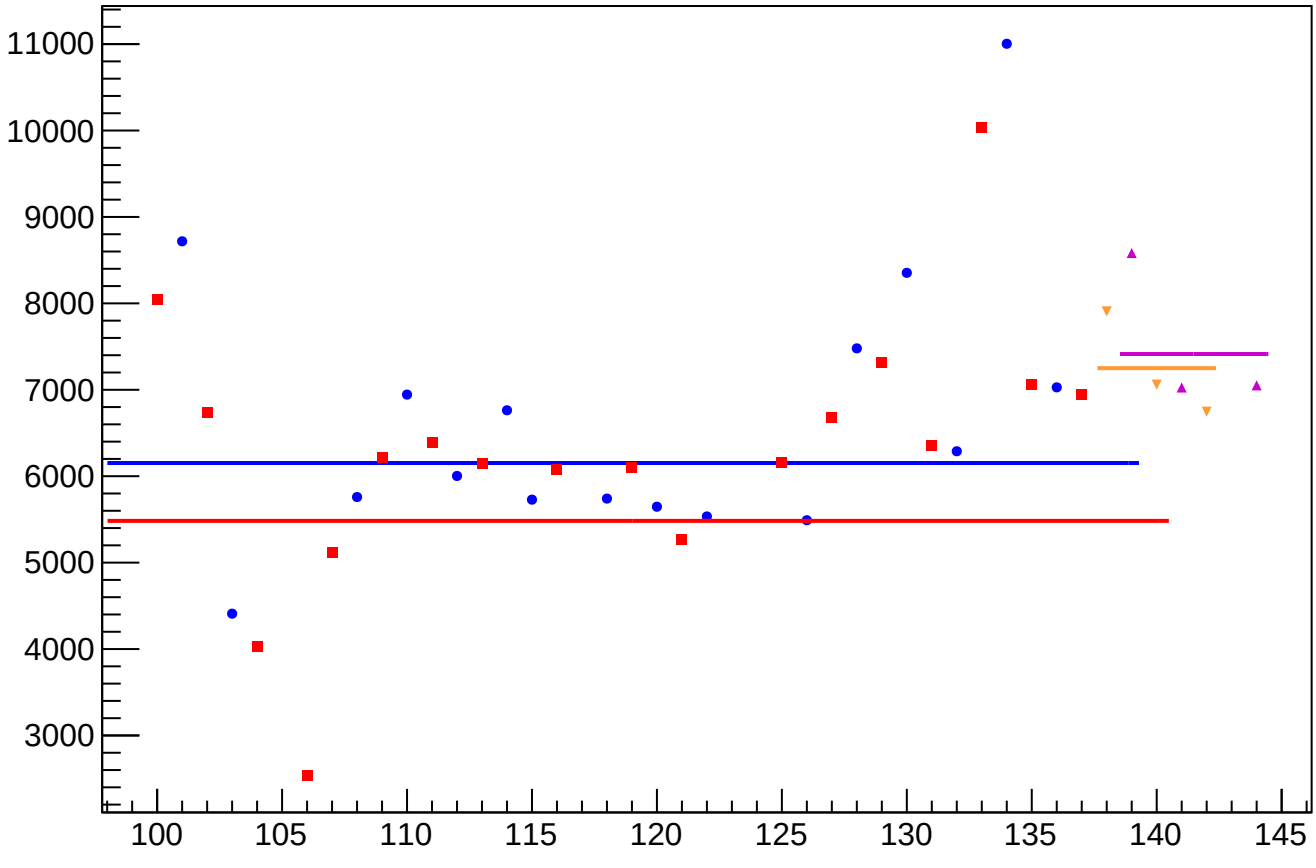
Left: 2310.267+/-3412.200 χ^2/NDF: 2.8/5

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -2016.477+/-2091.460 χ^2/NDF:15.7/18

Out: 950.036+/-2041.223 χ^2/NDF:16.5/20

All: -497.165+/-1460.800 χ^2/NDF: 33.3/39



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7250.096+/-3.594 χ^2/NDF:16702.0/2

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7413.895+/-3.256 χ^2/NDF:41356.5/2

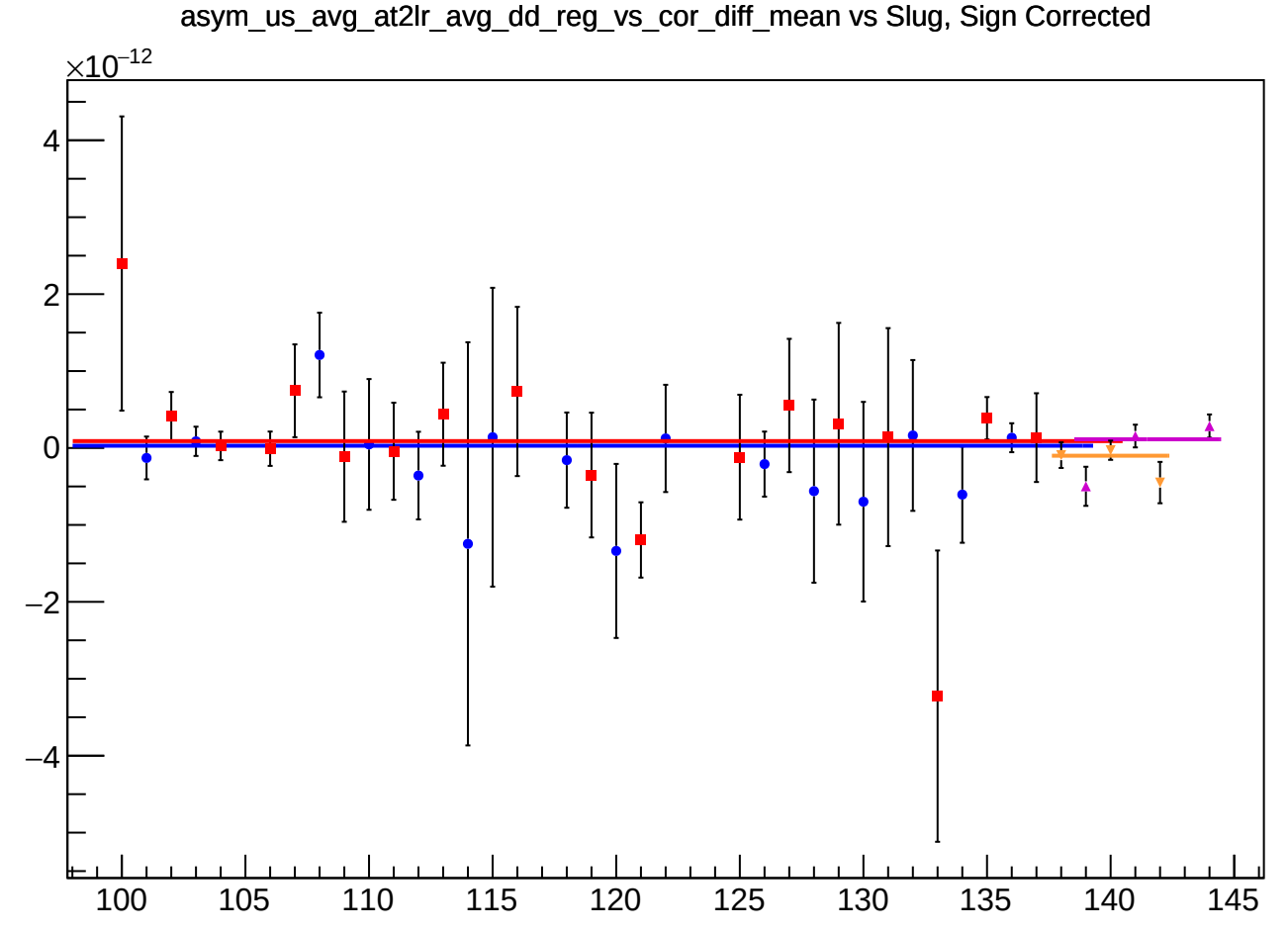
Left: 7340.065+/-2.413 χ^2/NDF: 59199.5/5

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6412.941+/-1.479 χ^2/NDF:784491.4/18

Out: 5751.263+/-1.400 χ^2/NDF:1370443.5/20

All: 6063.872+/-1.017 χ^2/NDF: 2260541.9/39



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/2

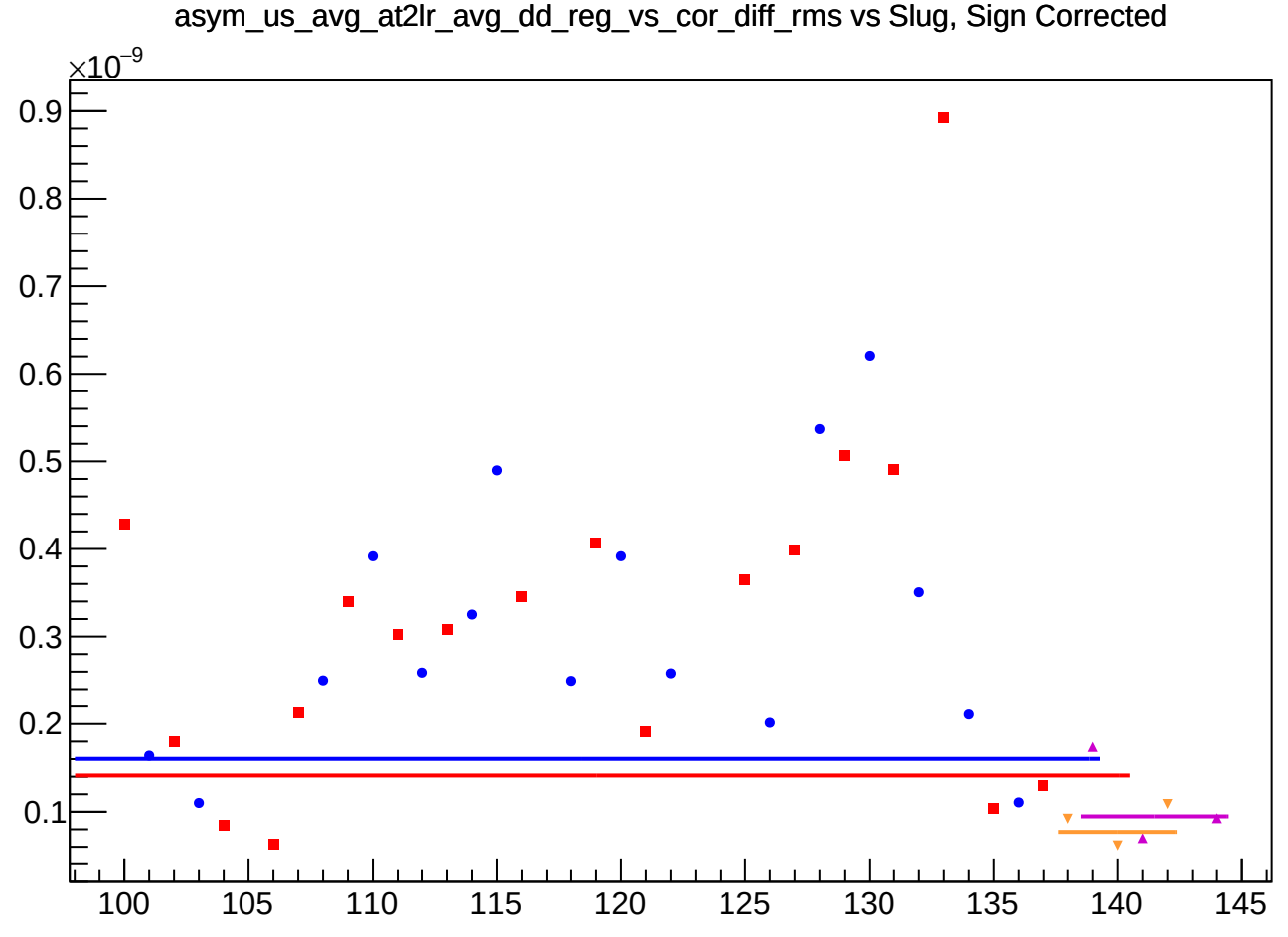
Left: 0.000+/-0.000 χ^2/NDF: 11.7/5

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:17.0/18

Out: -0.000+/-0.000 χ^2/NDF:20.4/20

All: 0.000+/-0.000 χ^2/NDF: 38.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:75087.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:251545.6/2

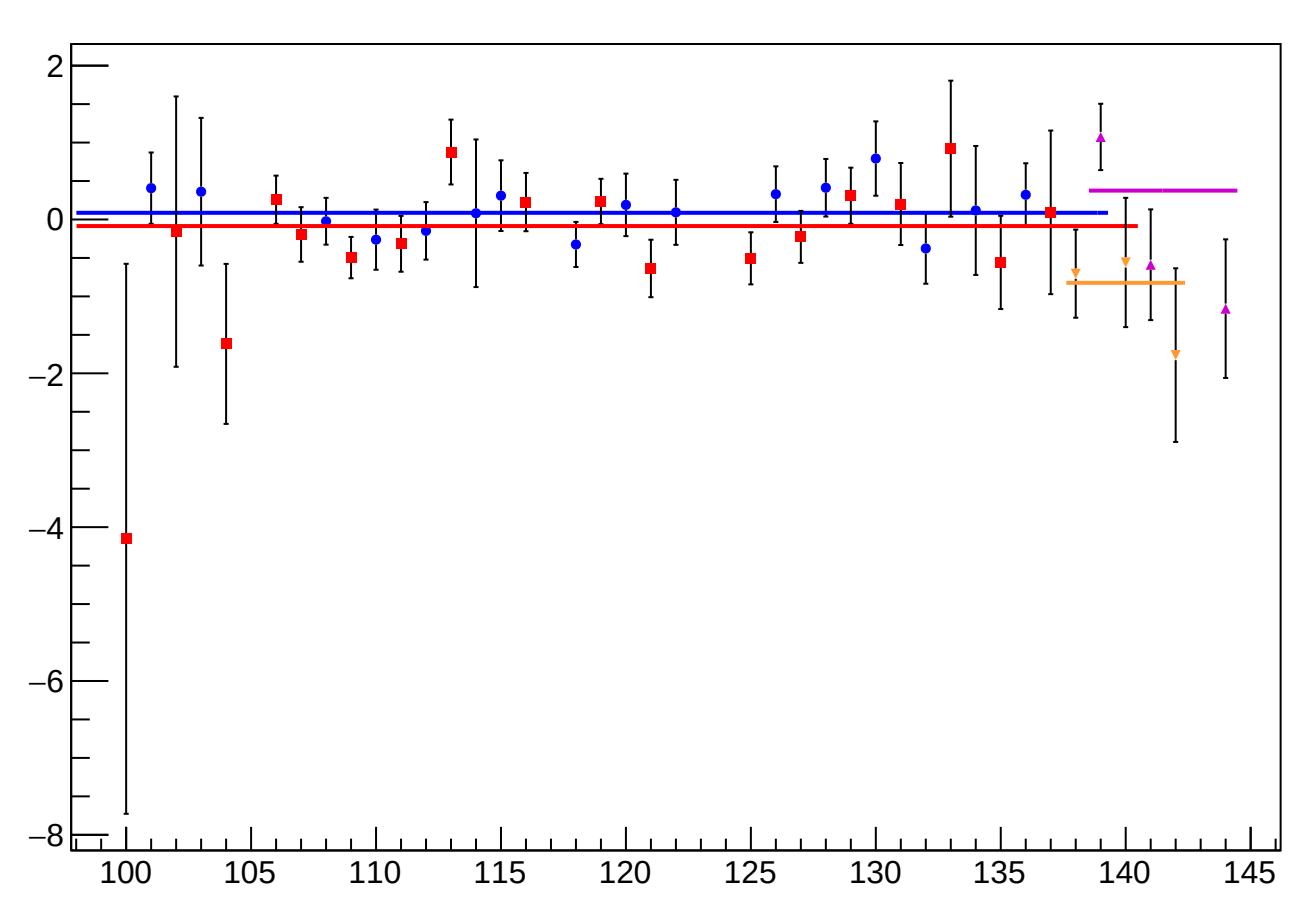
Left: 0.000+/-0.000 χ^2/NDF: 361149.6/5

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2005565.5/18

Out: 0.000+/-0.000 χ^2/NDF:2671045.8/20

All: 0.000+/-0.000 χ^2/NDF: 4752364.3/39



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.376+/-0.342 χ^2/NDF:7.3/2

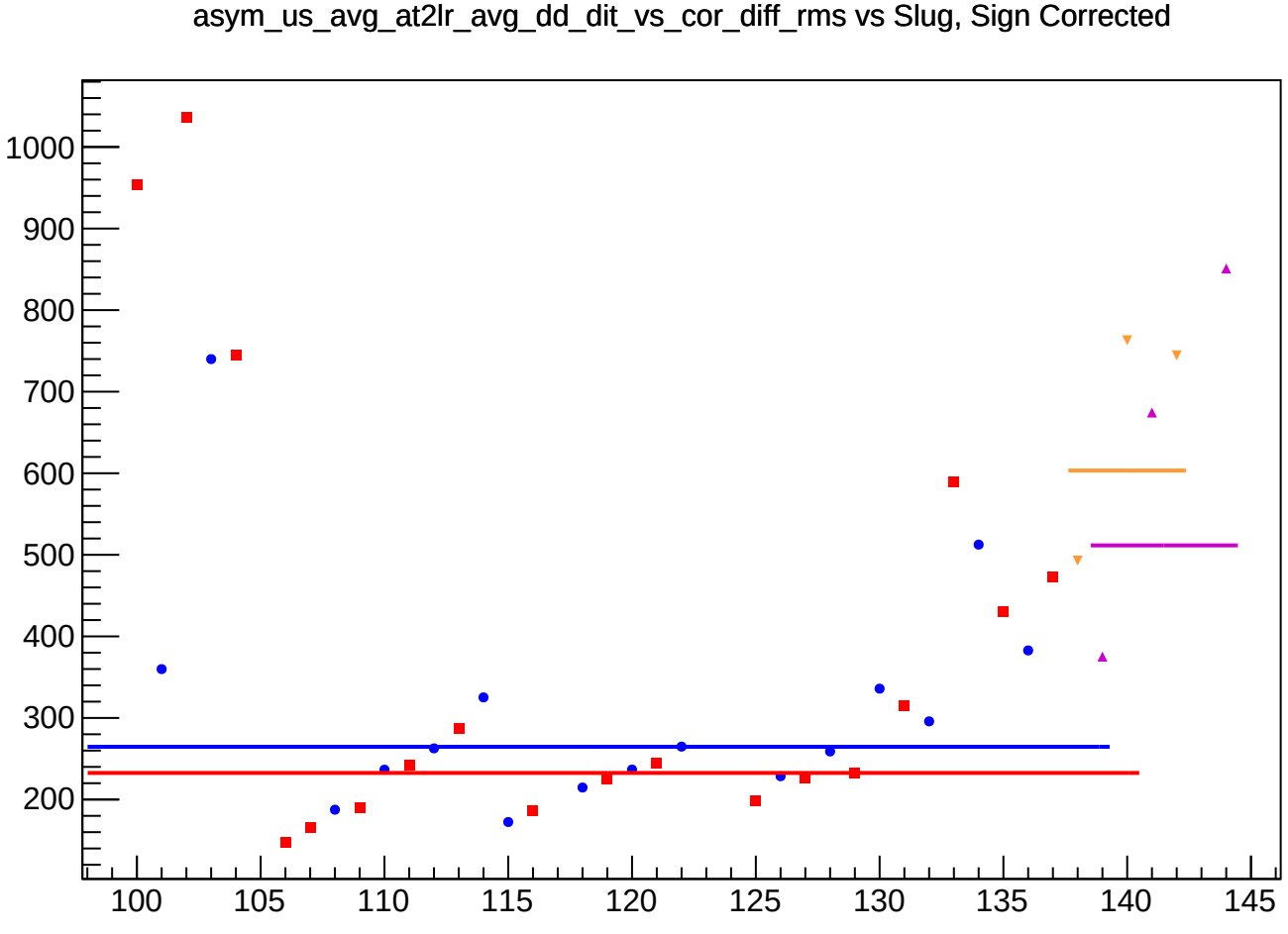
Left: -0.081+/-0.269 χ^2/NDF: 12.8/5

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.100 χ^2/NDF:16.8/18

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.011+/-0.069 χ^2/NDF: 45.0/39



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.317+/-0.309 χ^2/NDF:177937.4/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 511.550+/-0.242 χ^2/NDF:586182.8/2

Left: 546.484+/-0.190 χ^2/NDF: 818872.2/5

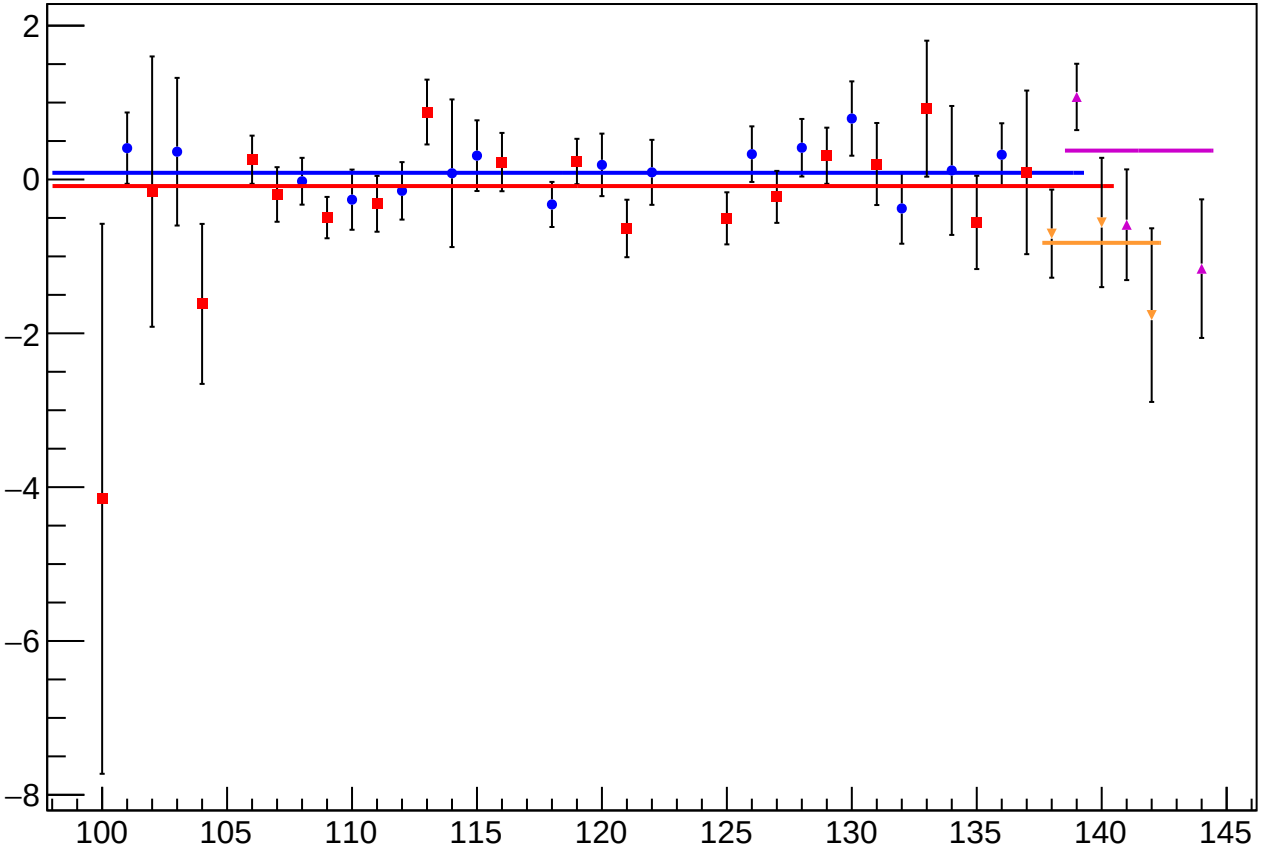
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 285.940+/-0.071 χ^2/NDF:2821493.2/18

Out: 250.159+/-0.067 χ^2/NDF:3585076.7/20

All: 267.053+/-0.049 χ^2/NDF: 6540518.4/39

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: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.376+/-0.342 χ^2/NDF:7.3/2

Left: -0.081+/-0.269 χ^2/NDF: 12.8/5

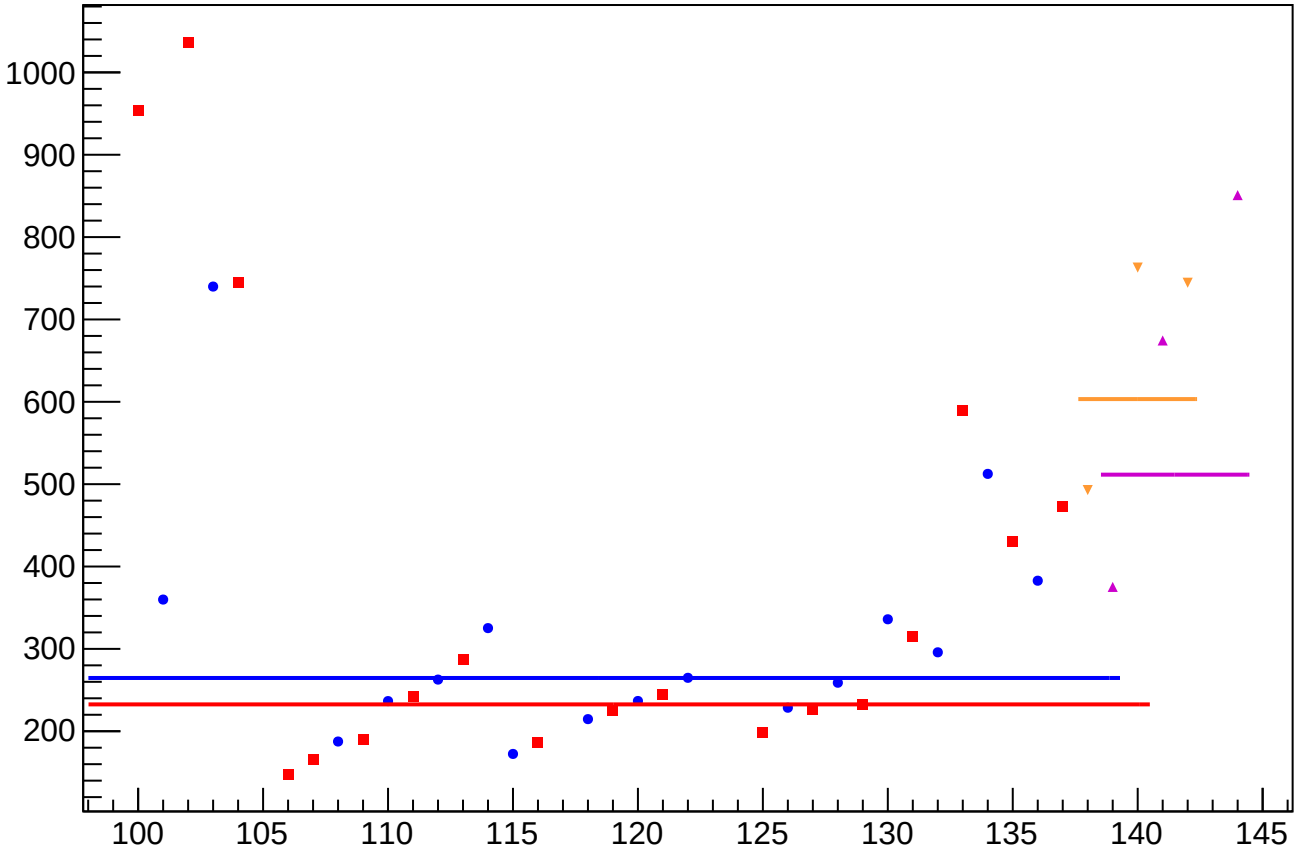
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.100 χ^2/NDF:16.8/18

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.011+/-0.069 χ^2/NDF: 45.0/39

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.317+/-0.309 χ^2/NDF:177937.4/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 511.550+/-0.242 χ^2/NDF:586182.8/2

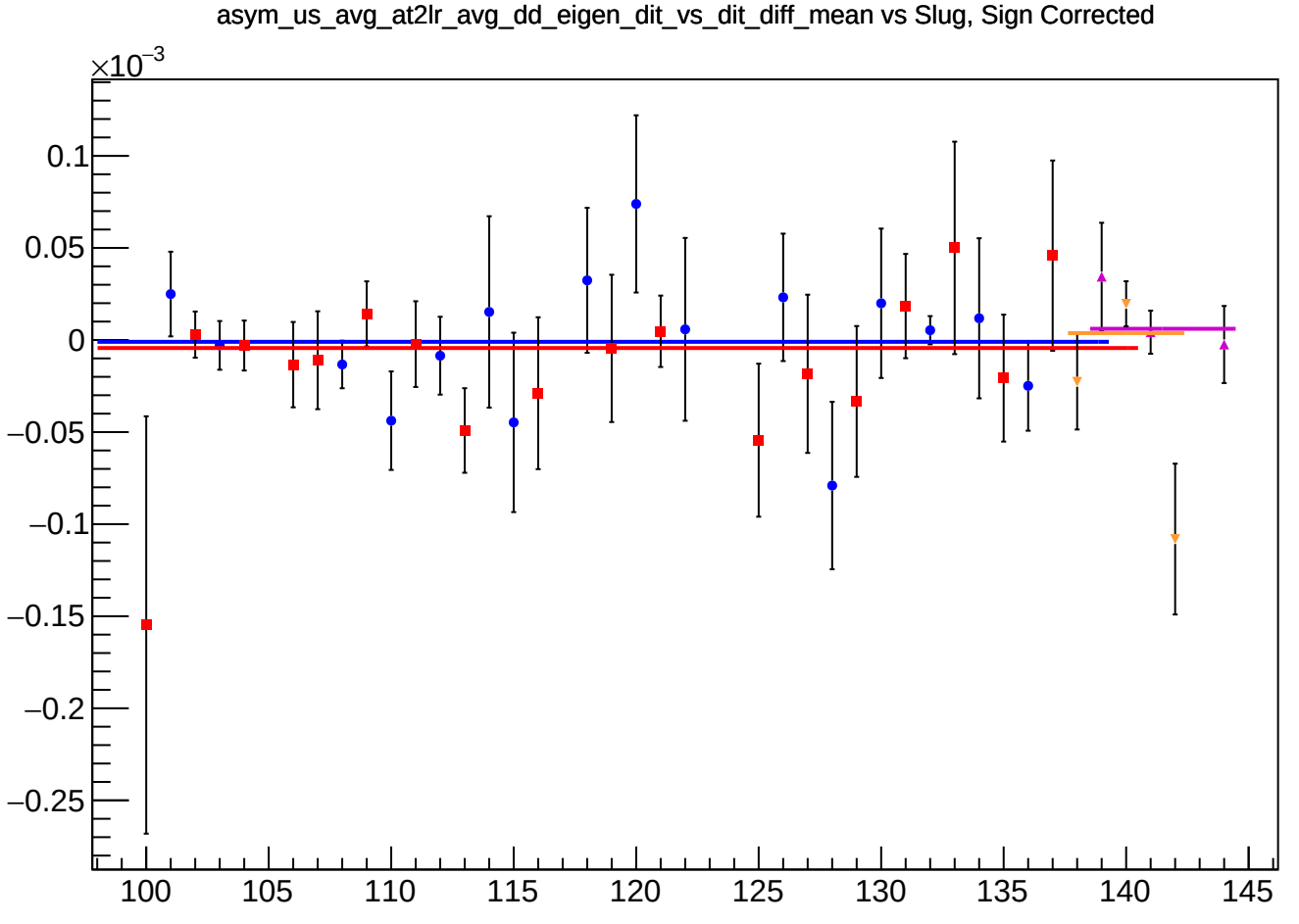
Left: 546.484+/-0.190 χ^2/NDF: 818872.2/5

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 285.940+/-0.071 χ^2/NDF:2821493.2/18

Out: 250.159+/-0.067 χ^2/NDF:3585076.7/20

All: 267.053+/-0.049 χ^2/NDF: 6540518.4/39



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/2

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

Left: 0.000+/-0.000 χ^2/NDF: 11.3/5

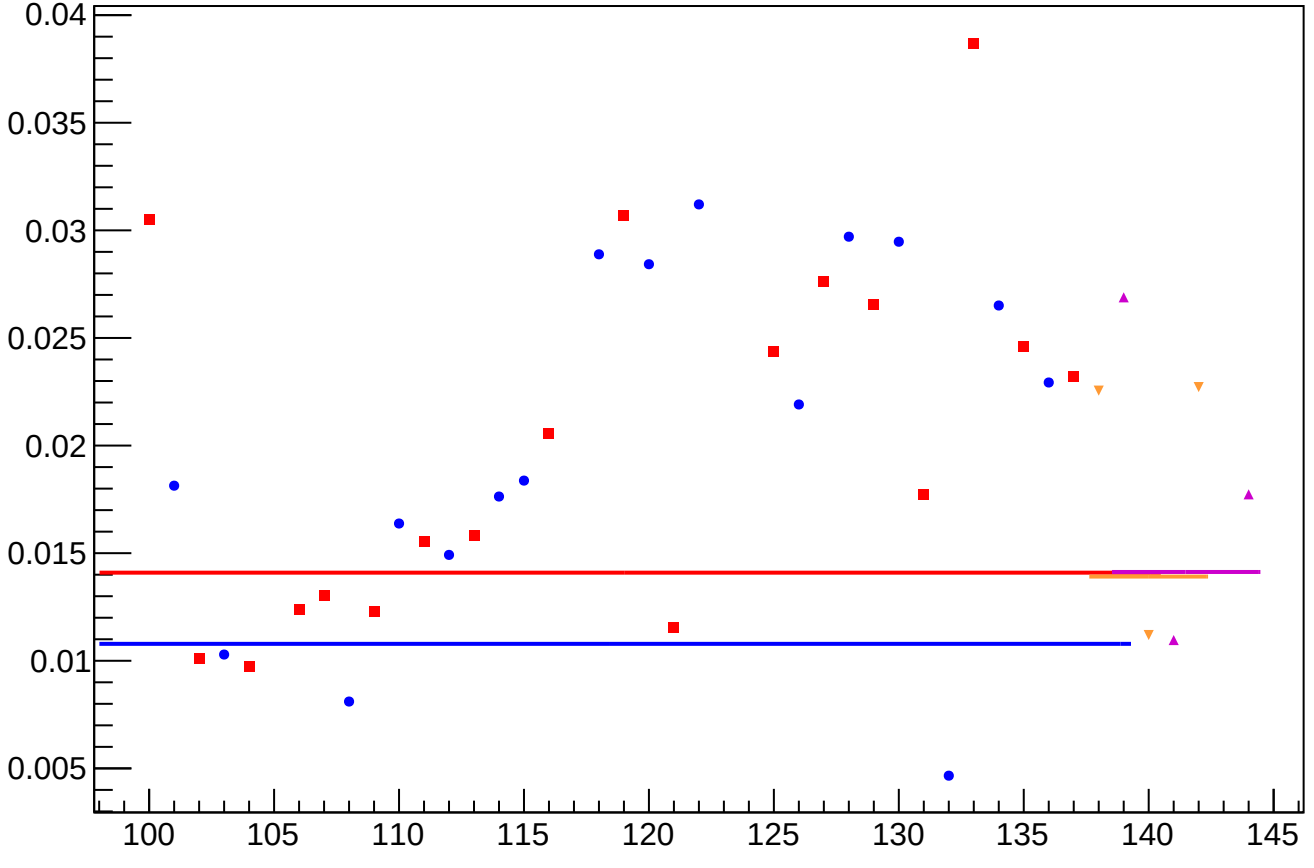
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:15.9/18

Out: -0.000+/-0.000 χ^2/NDF:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 39.4/39

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: 0.014+/-0.000 χ^2/NDF:413617.0/2

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.014+/-0.000 χ^2/NDF:586468.9/2

Left: 0.014+/-0.000 χ^2/NDF: 1000525.7/5

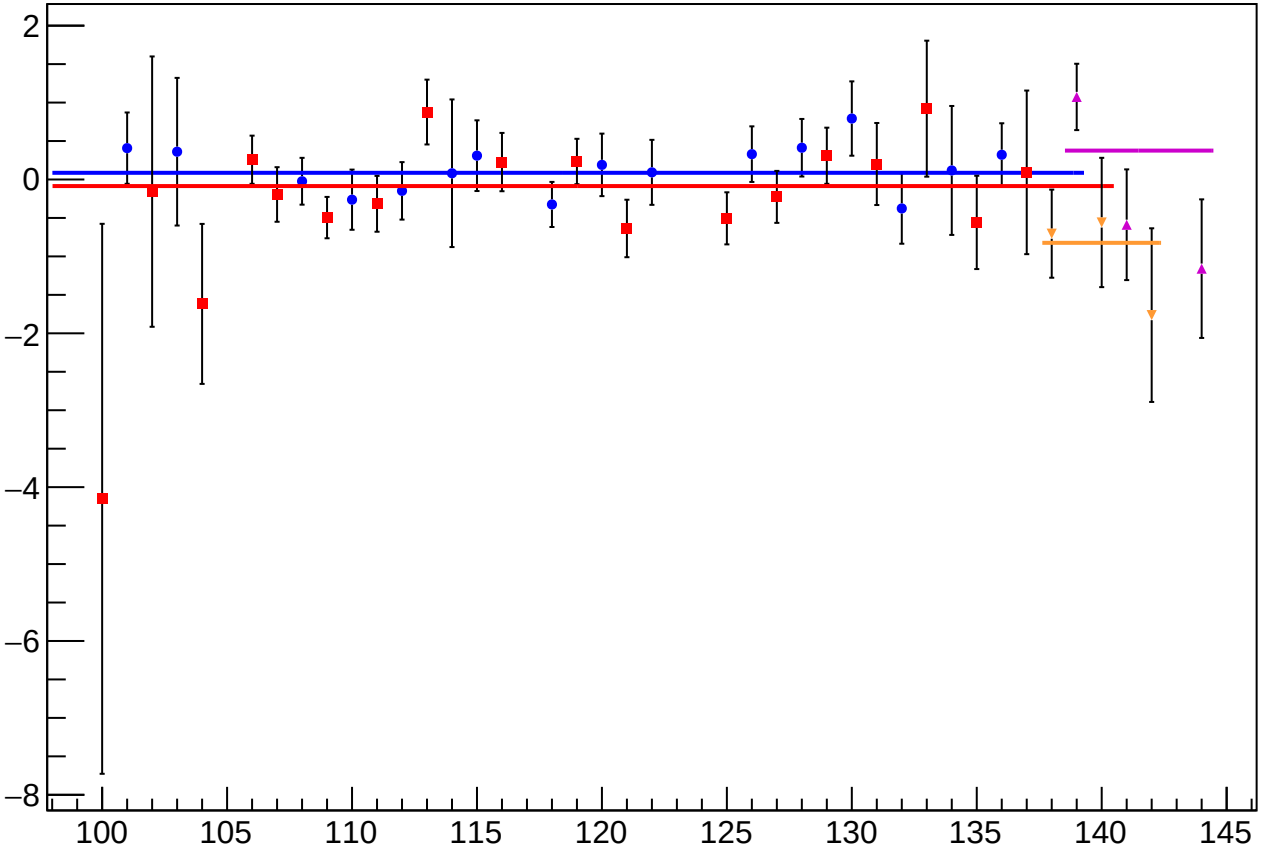
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5356430.0/18

Out: 0.014+/-0.000 χ^2/NDF:2499008.2/20

All: 0.013+/-0.000 χ^2/NDF: 8148708.3/39

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: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.376+/-0.342 χ^2/NDF:7.3/2

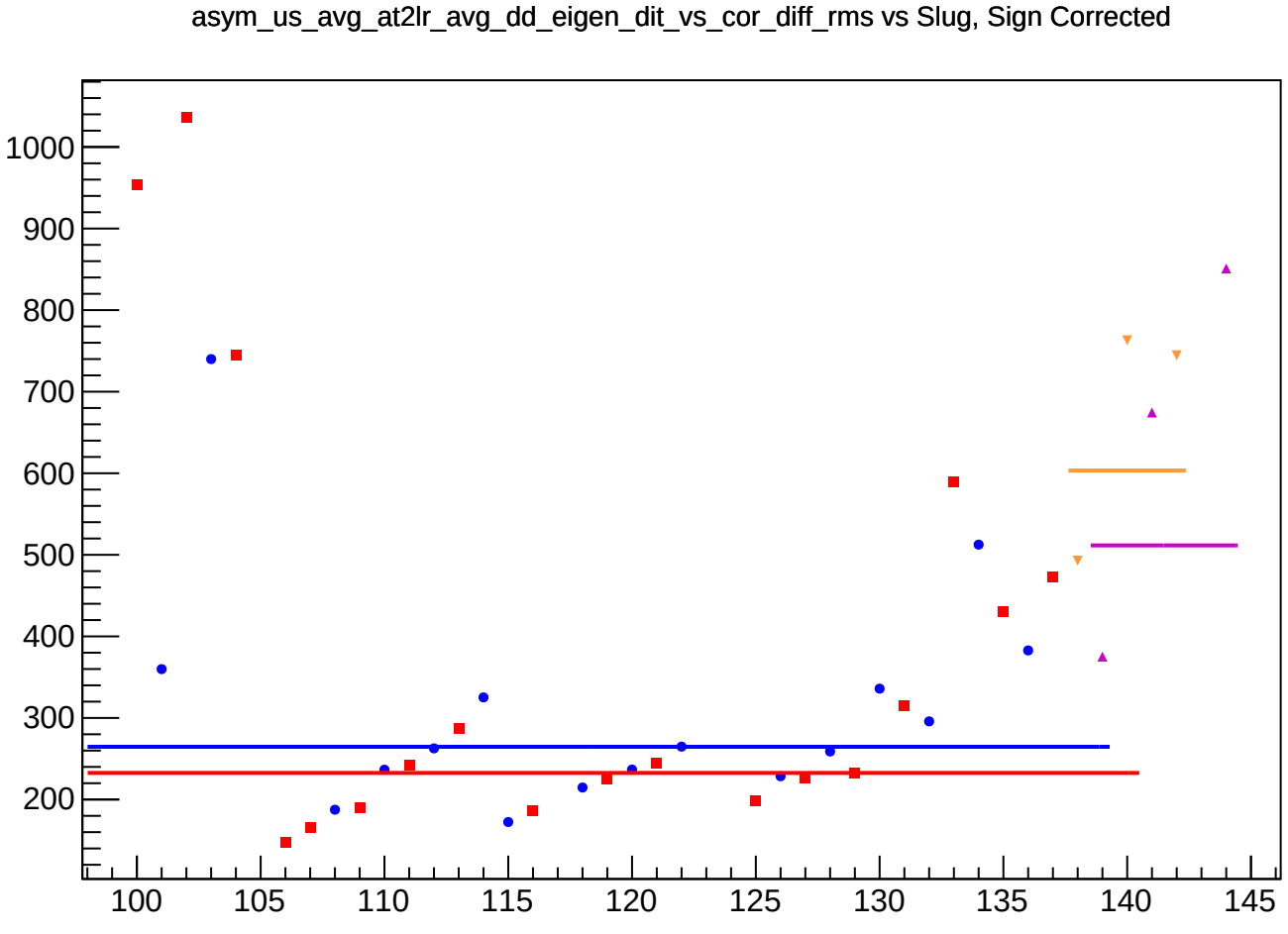
Left: -0.081+/-0.269 χ^2/NDF: 12.8/5

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.100 χ^2/NDF:16.8/18

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.011+/-0.069 χ^2/NDF: 45.0/39



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.323+/-0.309 χ^2/NDF:177933.5/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 511.560+/-0.242 χ^2/NDF:586161.2/2

Left: 546.493+/-0.190 χ^2/NDF: 818841.6/5

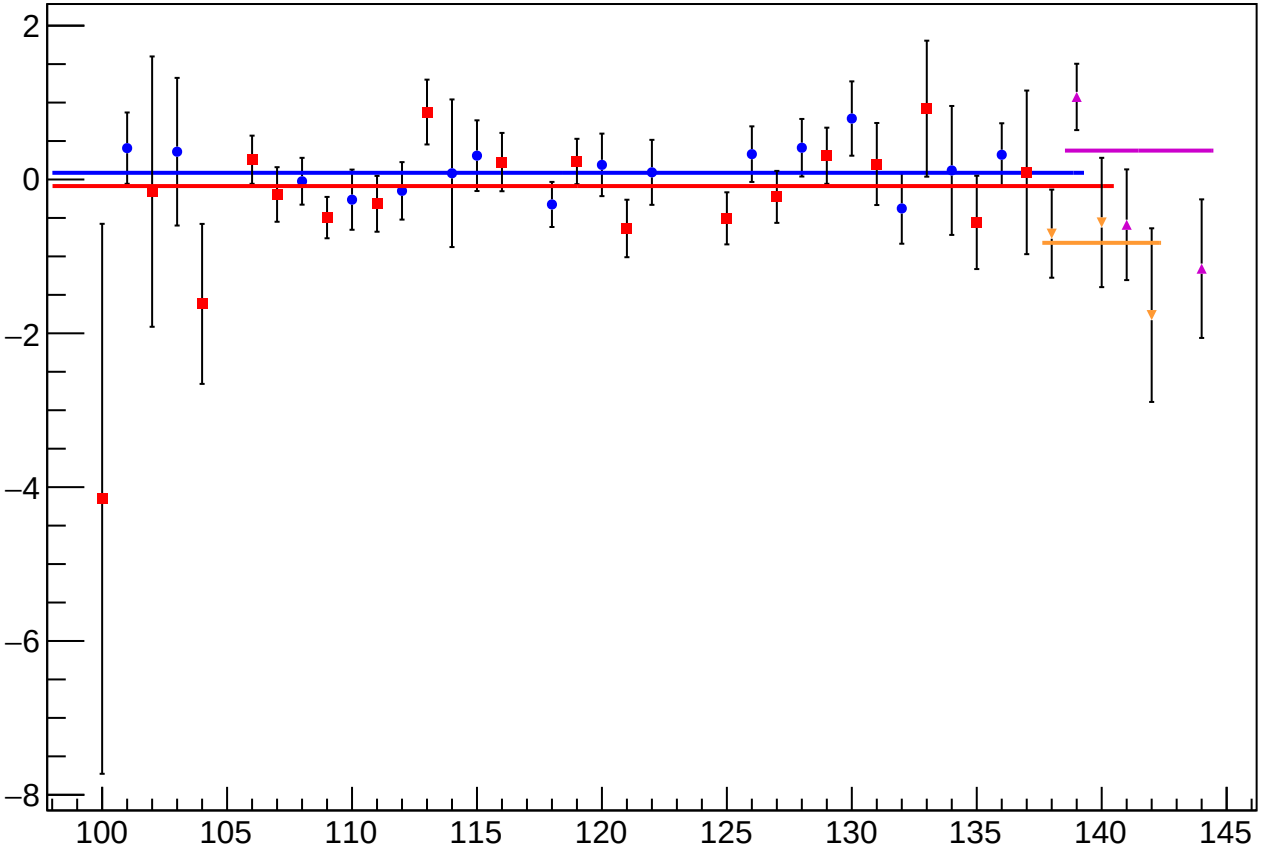
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 285.940+/-0.071 χ^2/NDF:2821489.6/18

Out: 250.160+/-0.067 χ^2/NDF:3585083.3/20

All: 267.054+/-0.049 χ^2/NDF: 6540515.7/39

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: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.376+/-0.342 χ^2/NDF:7.3/2

Left: -0.081+/-0.269 χ^2/NDF: 12.8/5

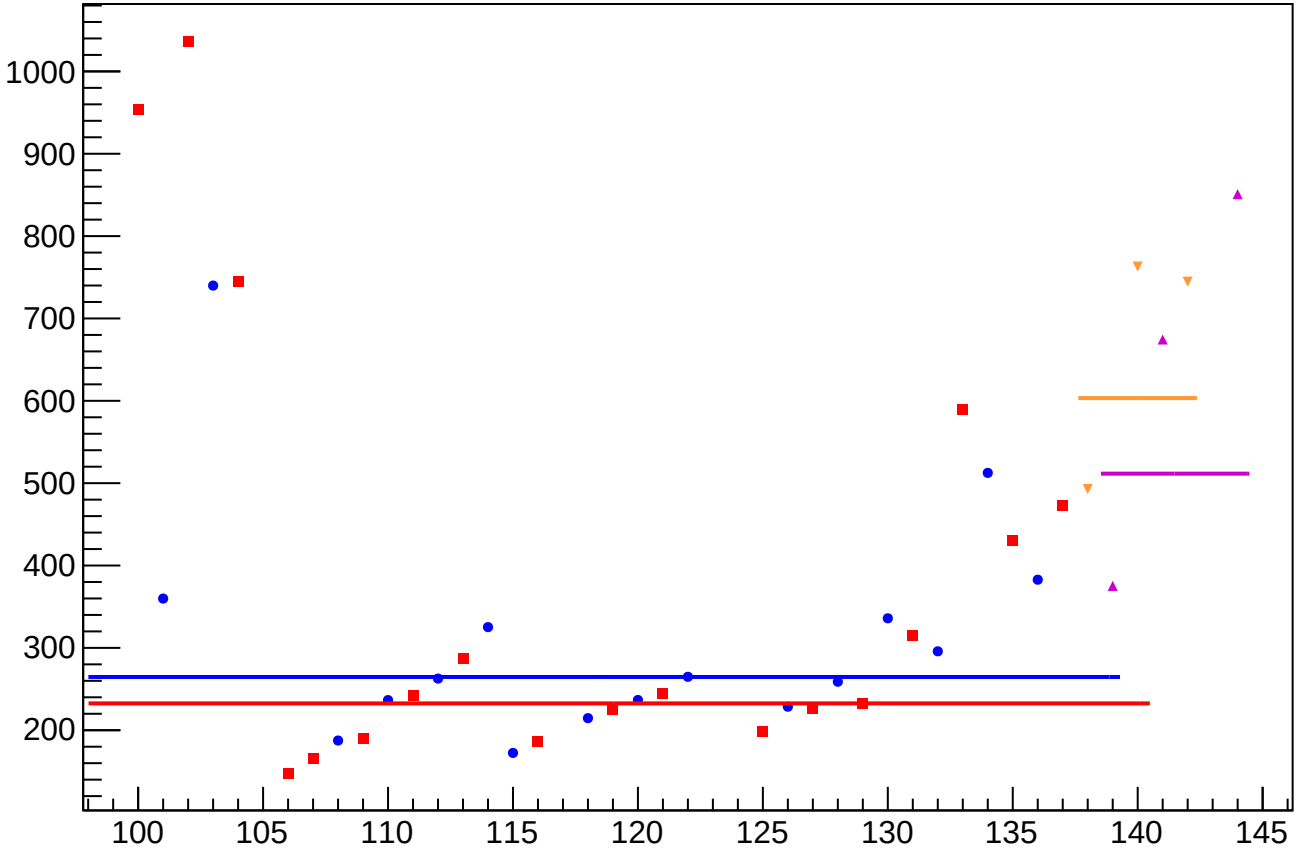
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.100 χ^2/NDF:16.8/18

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.011+/-0.069 χ^2/NDF: 45.0/39

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.323+/-0.309 χ^2/NDF:177933.5/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 511.560+/-0.242 χ^2/NDF:586161.2/2

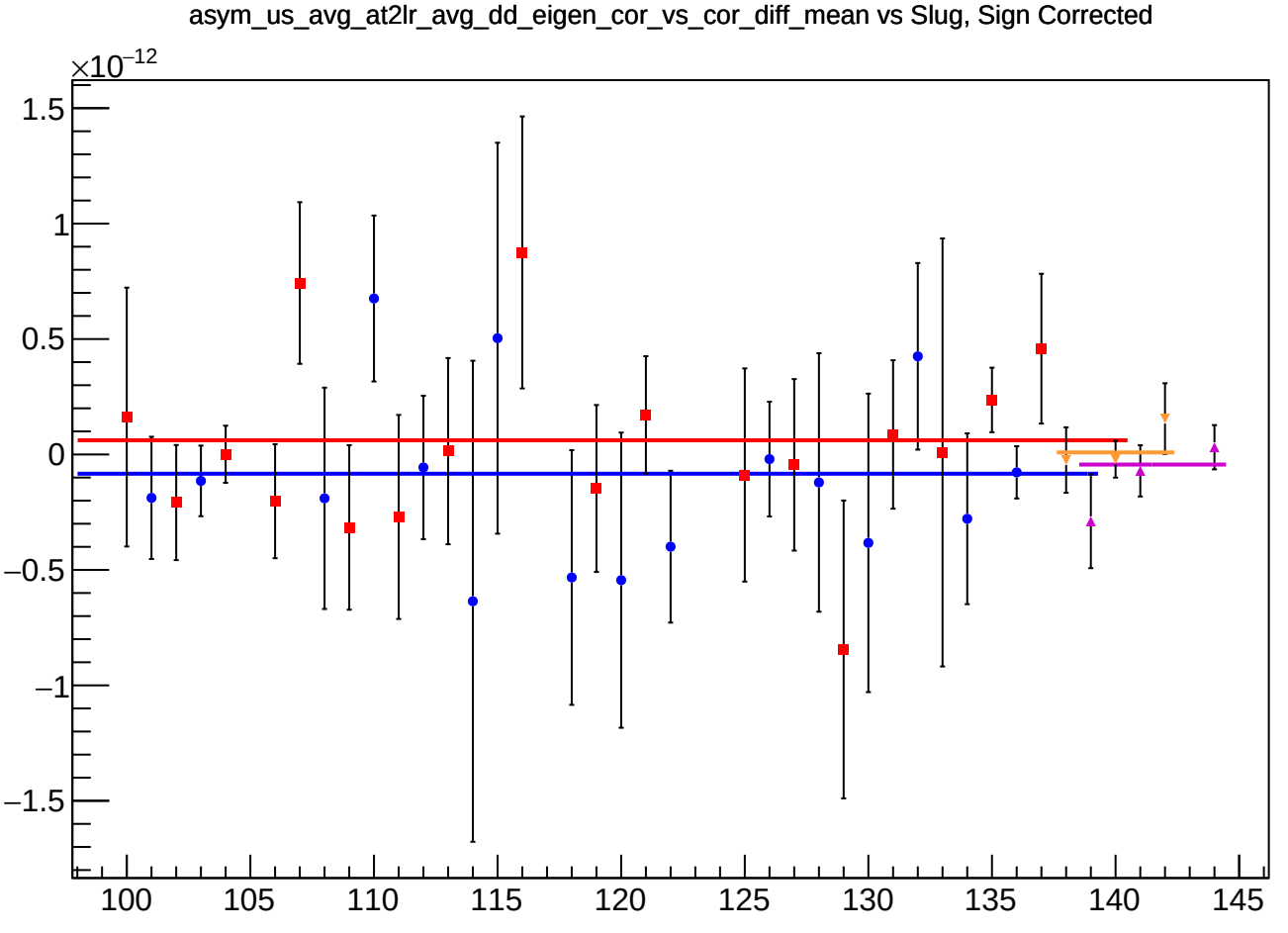
Left: 546.493+/-0.190 χ^2/NDF: 818841.6/5

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 285.940+/-0.071 χ^2/NDF:2821489.6/18

Out: 250.160+/-0.067 χ^2/NDF:3585083.3/20

All: 267.054+/-0.049 χ^2/NDF: 6540515.7/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:2.1/2

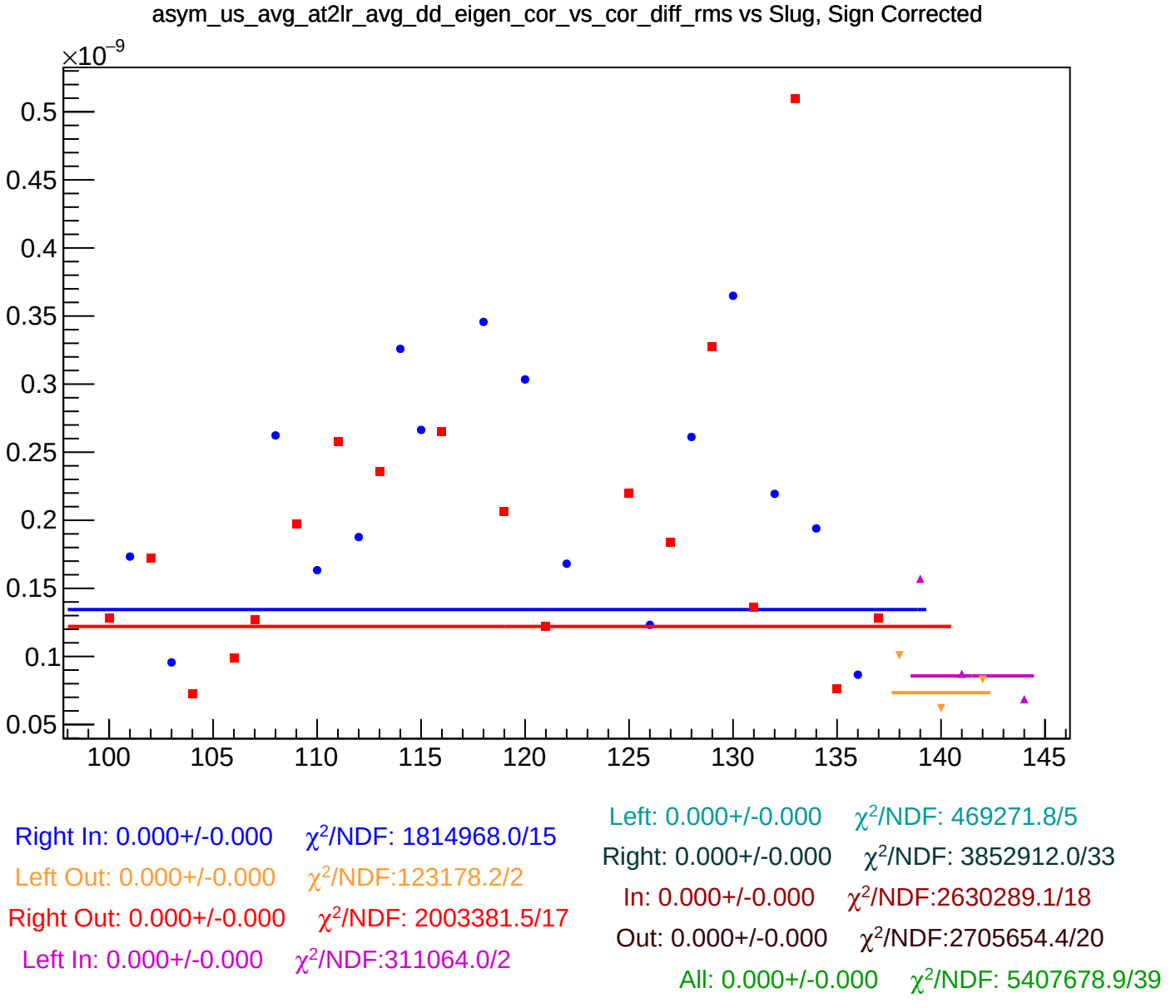
Left: -0.000+/-0.000 χ^2/NDF: 3.6/5

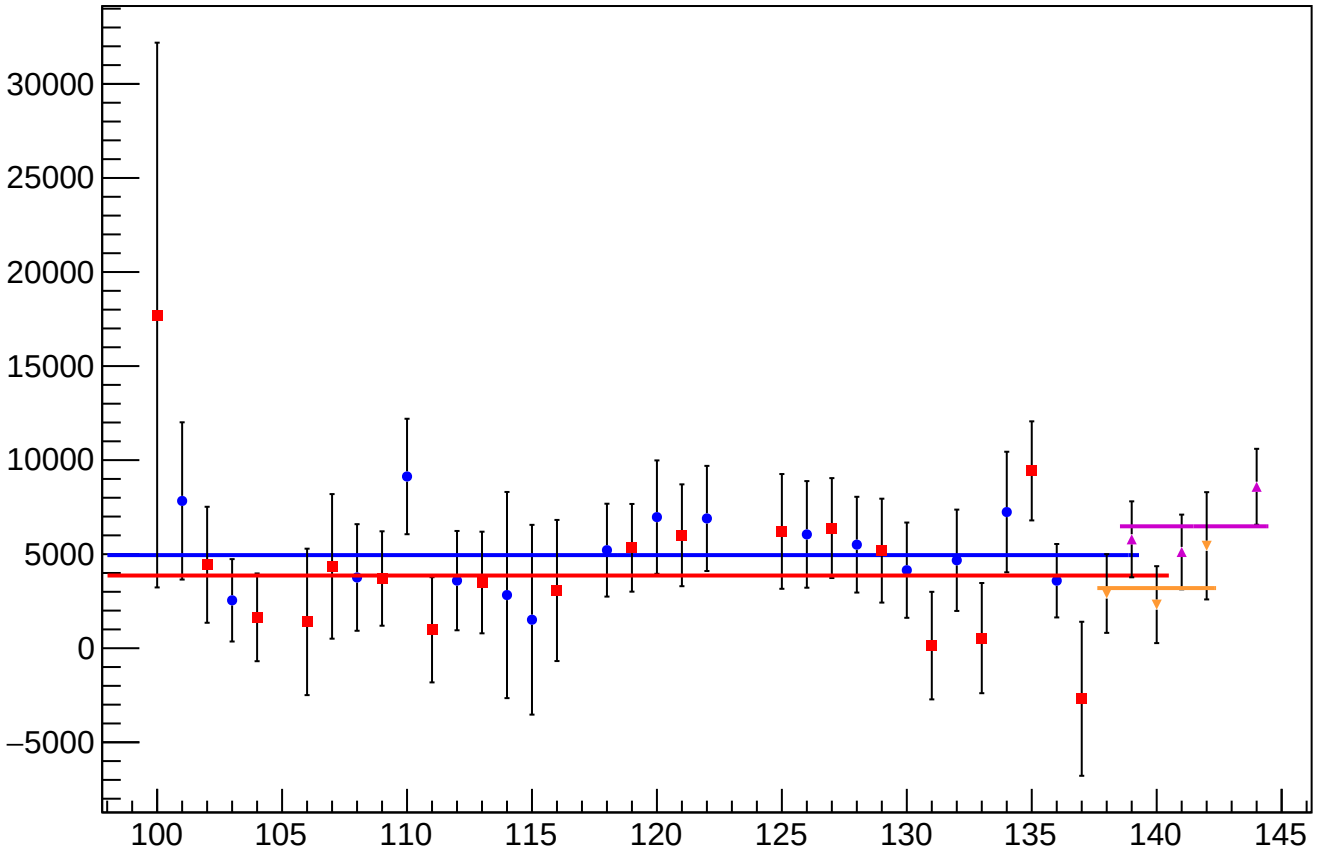
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:12.0/18

Out: 0.000+/-0.000 χ^2/NDF:17.2/20

All: -0.000+/-0.000 χ^2/NDF: 31.4/39


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:123178.2/2
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:311064.0/2
Left: 0.000+/-0.000 χ²/NDF: 469271.8/5
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:2630289.1/18
Out: 0.000+/-0.000 χ²/NDF:2705654.4/20
All: 0.000+/-0.000 χ²/NDF: 5407678.9/39



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.365+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 6481.646+/-1159.061 χ^2/NDF:1.7/2

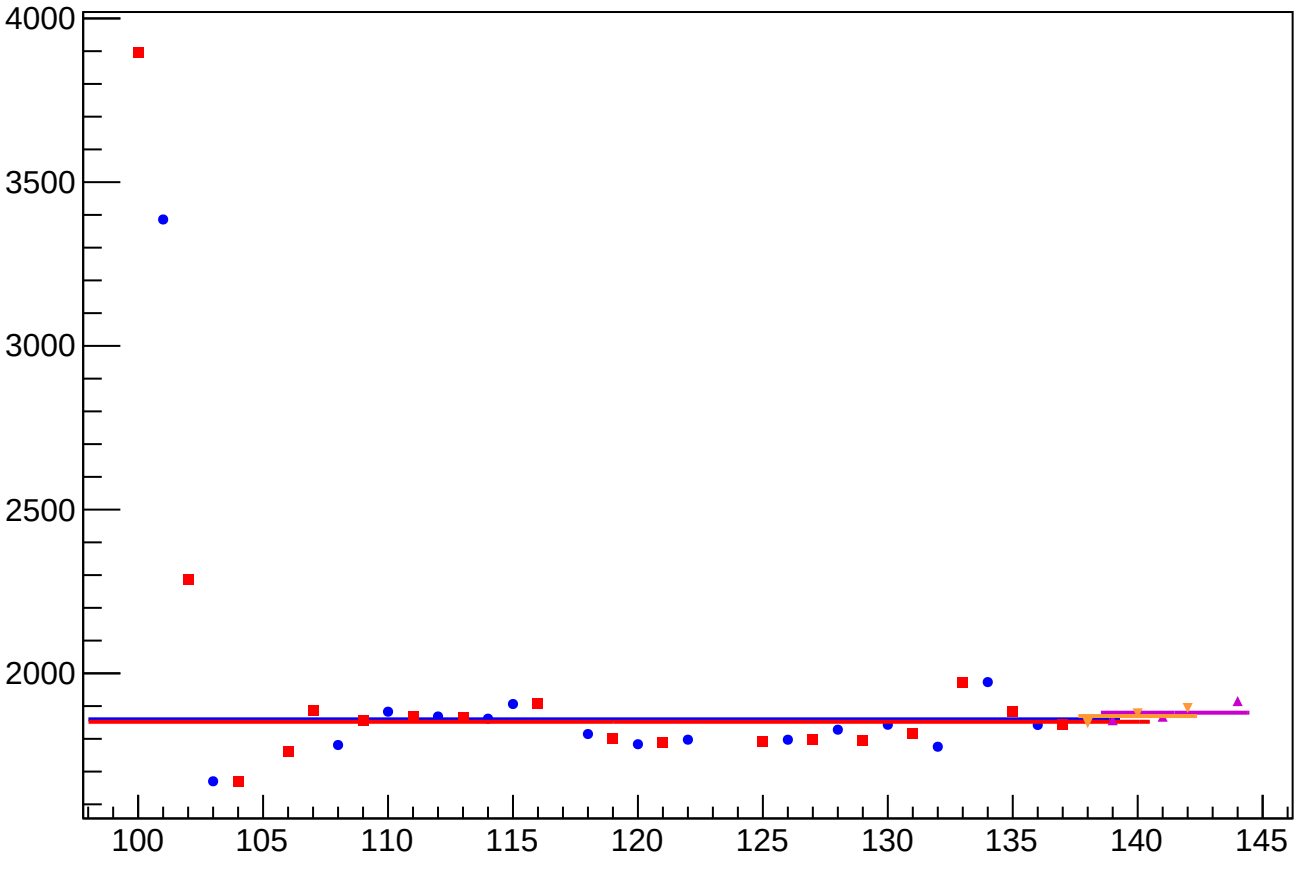
Left: 5028.580+/-865.478 χ^2/NDF: 6.1/5

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5358.671+/-598.534 χ^2/NDF:9.8/18

Out: 3716.657+/-613.567 χ^2/NDF:17.2/20

All: 4558.025+/-428.444 χ^2/NDF: 30.7/39



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

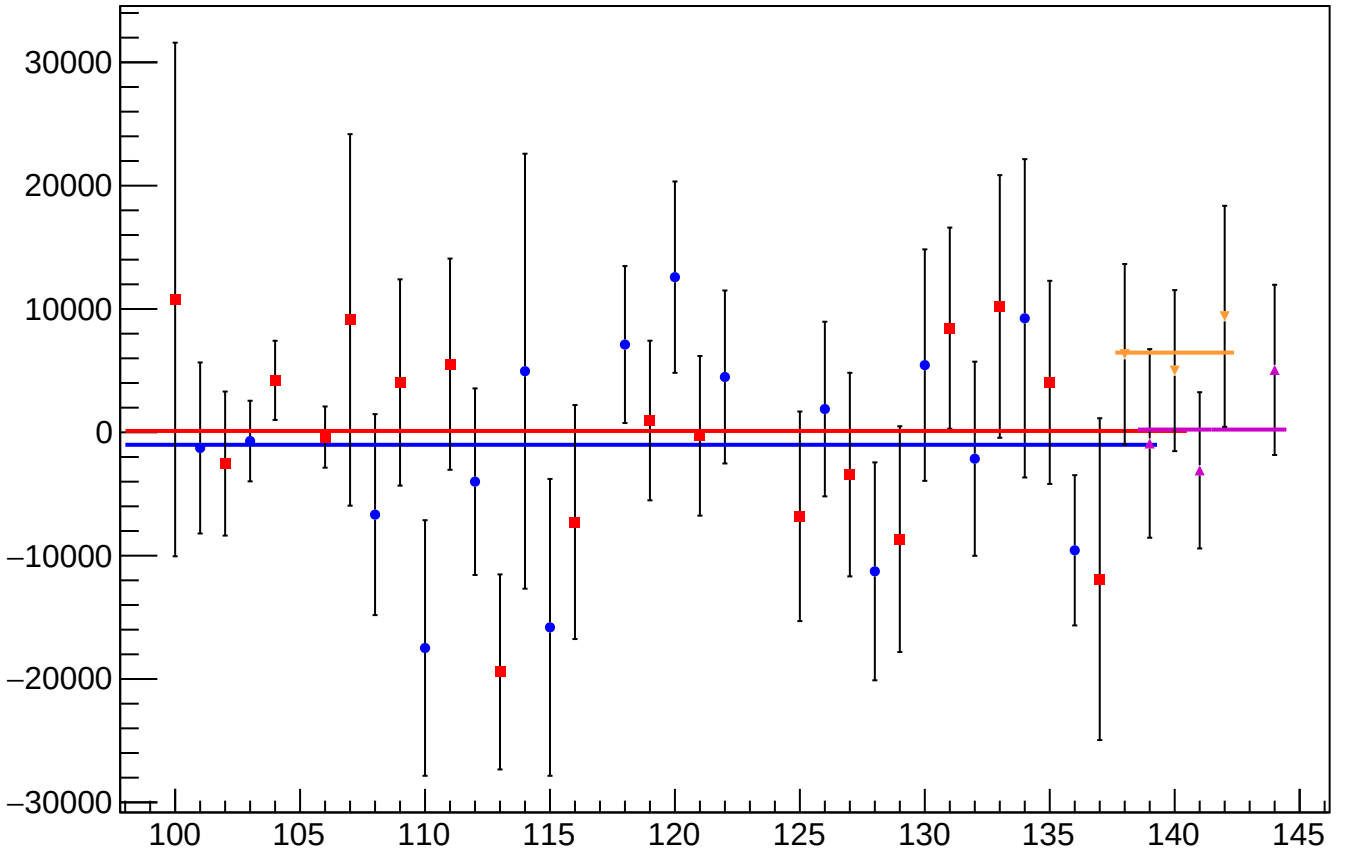
Left: 1875.312+/-0.612 χ^2/NDF: 1408.3/5

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1864.925+/-0.423 χ^2/NDF:293736.1/18

Out: 1855.953+/-0.433 χ^2/NDF:102885.1/20

All: 1860.540+/-0.303 χ^2/NDF: 396840.9/39



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 6463.163+/-4278.679 χ^2/NDF:0.2/2

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 223.956+/-3983.481 χ^2/NDF:0.8/2

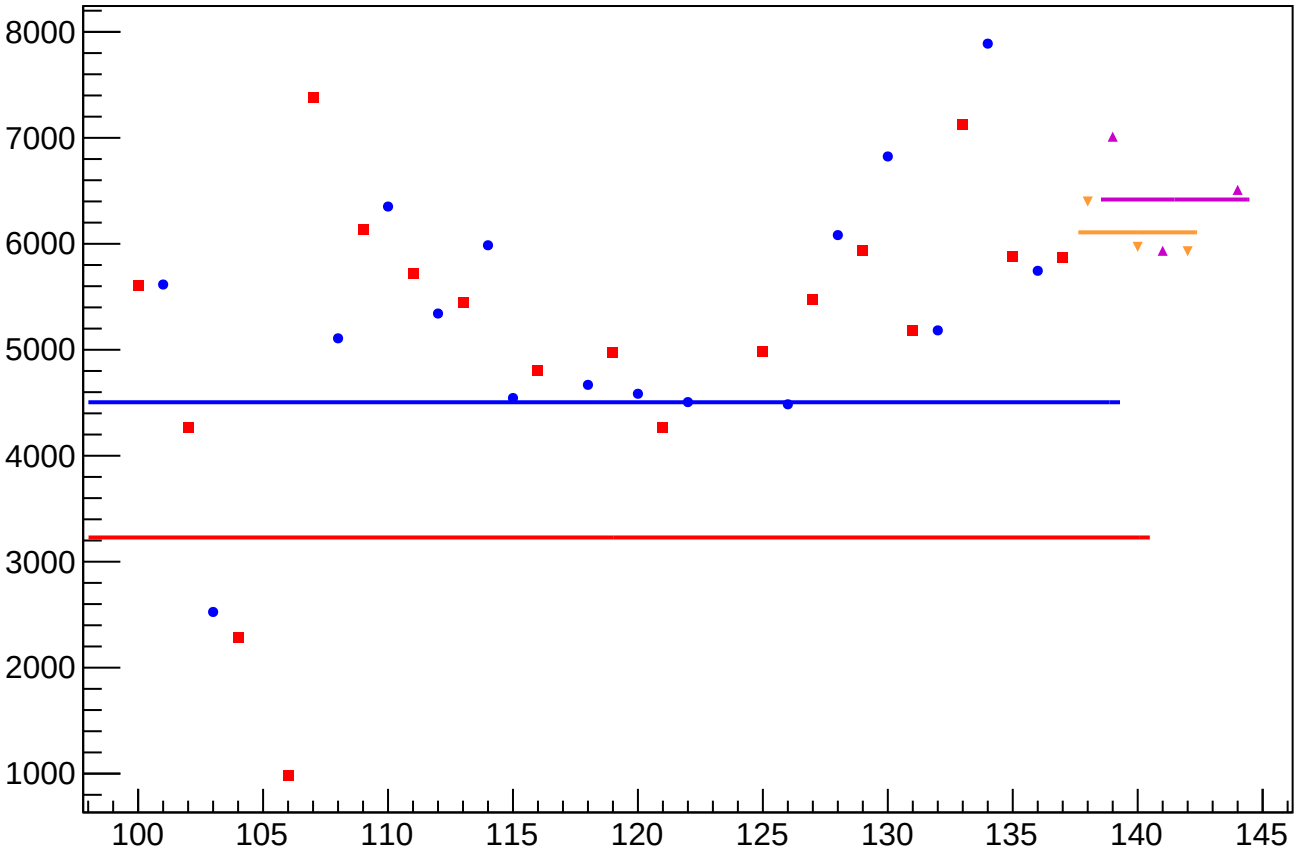
Left: 3120.924+/-2915.525 χ^2/NDF: 2.1/5

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -807.902+/-1613.067 χ^2/NDF:15.6/18

Out: 756.328+/-1363.516 χ^2/NDF:16.8/20

All: 104.440+/-1041.331 χ^2/NDF: 32.9/39



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6108.212+/-3.025 χ^2/NDF:4839.0/2

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6418.069+/-2.817 χ^2/NDF:24032.5/2

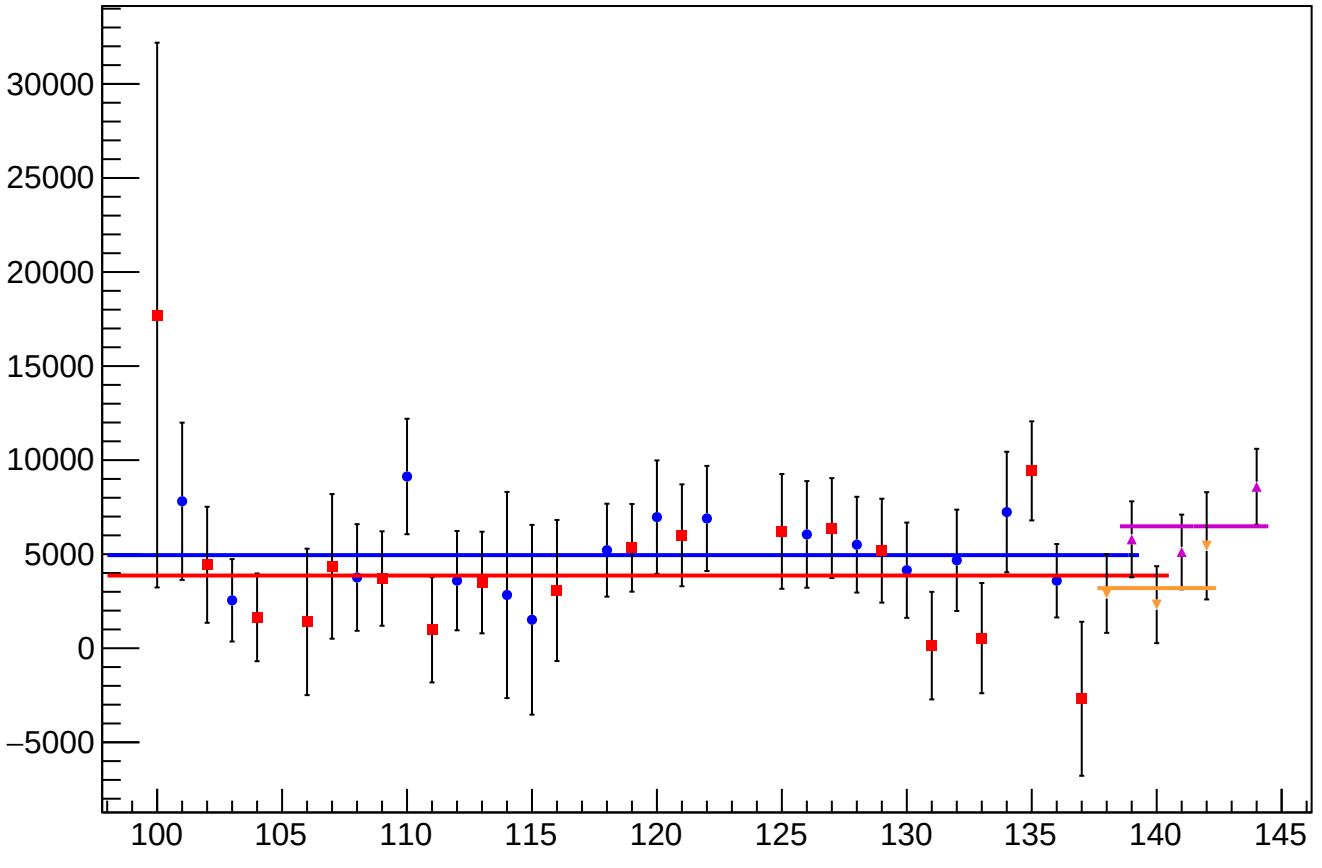
Left: 6274.197+/-2.062 χ^2/NDF: 34490.3/5

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4818.520+/-1.141 χ^2/NDF:1730865.1/18

Out: 3521.043+/-0.964 χ^2/NDF:4775131.7/20

All: 4061.763+/-0.736 χ^2/NDF: 7260708.3/39



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6481.982+/-1159.061 χ^2/NDF:1.7/2

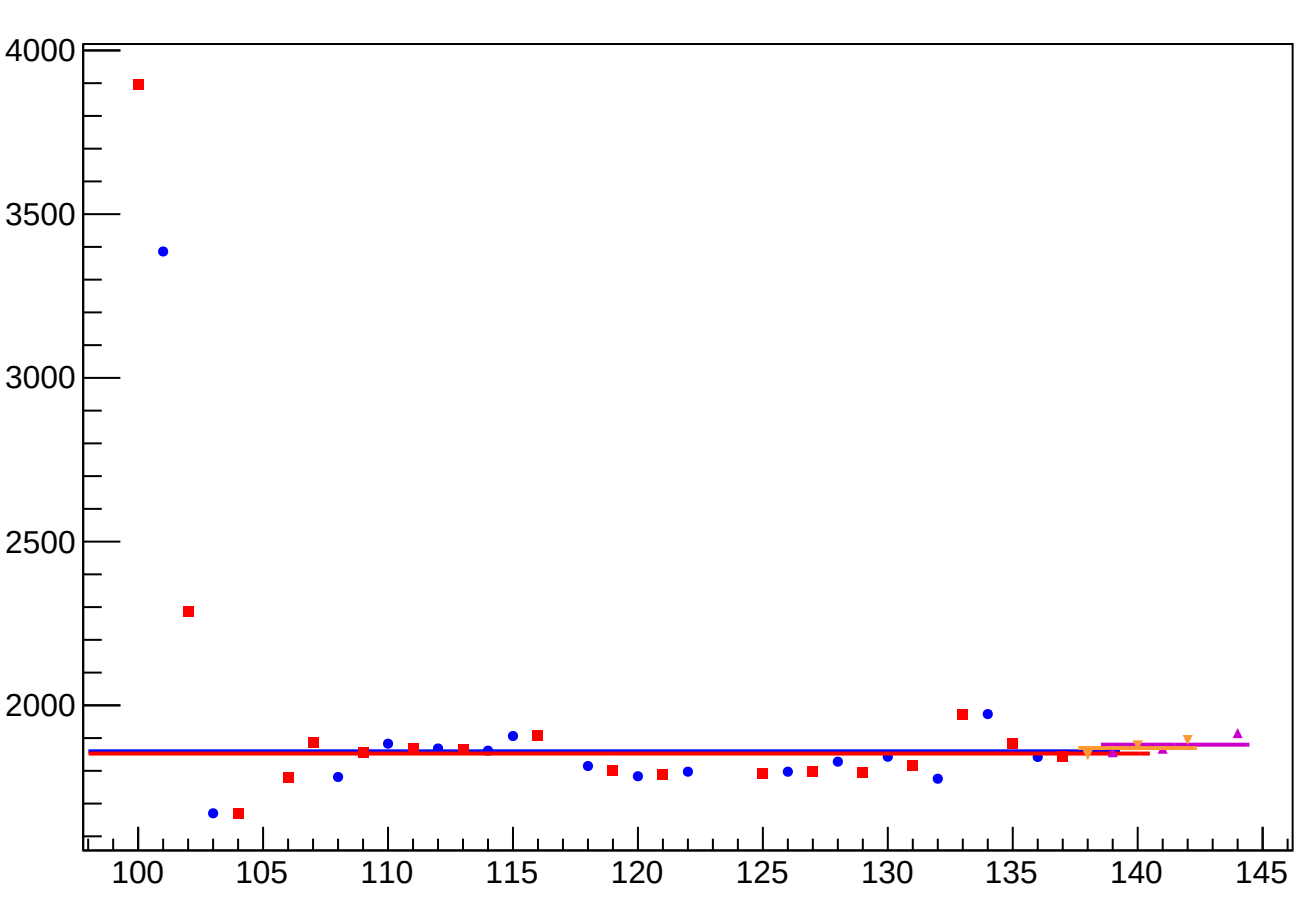
Left: 5028.782+/-865.478 χ^2/NDF: 6.1/5

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5358.407+/-598.535 χ^2/NDF:9.8/18

Out: 3716.497+/-613.567 χ^2/NDF:17.2/20

All: 4557.811+/-428.444 χ^2/NDF: 30.7/39



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

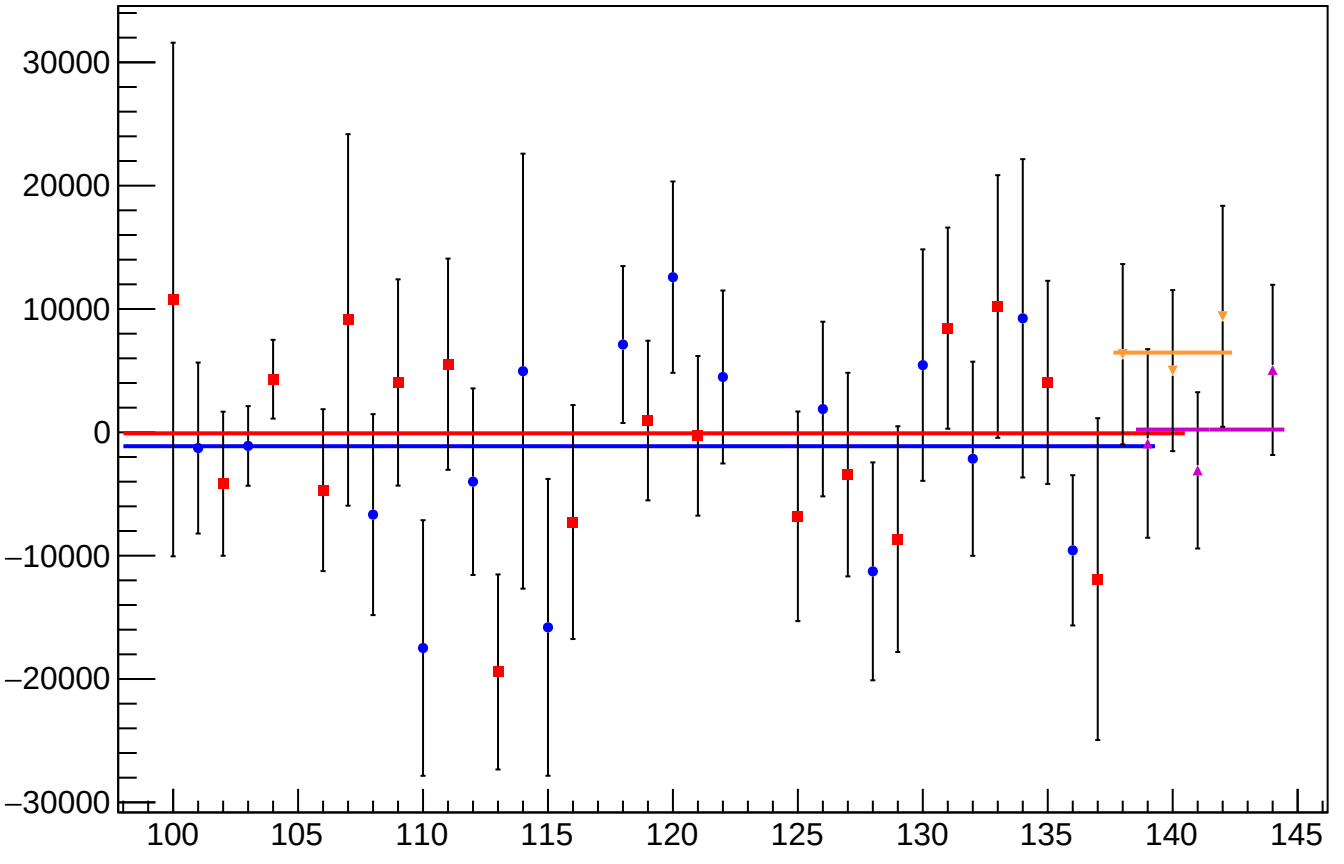
Left: 1875.312+/-0.612 χ^2/NDF: 1408.3/5

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1864.925+/-0.423 χ^2/NDF:293738.0/18

Out: 1856.504+/-0.433 χ^2/NDF:102400.7/20

All: 1860.810+/-0.303 χ^2/NDF: 396332.2/39



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6463.196+/-4278.671 χ^2/NDF:0.2/2

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 224.021+/-3983.479 χ^2/NDF:0.8/2

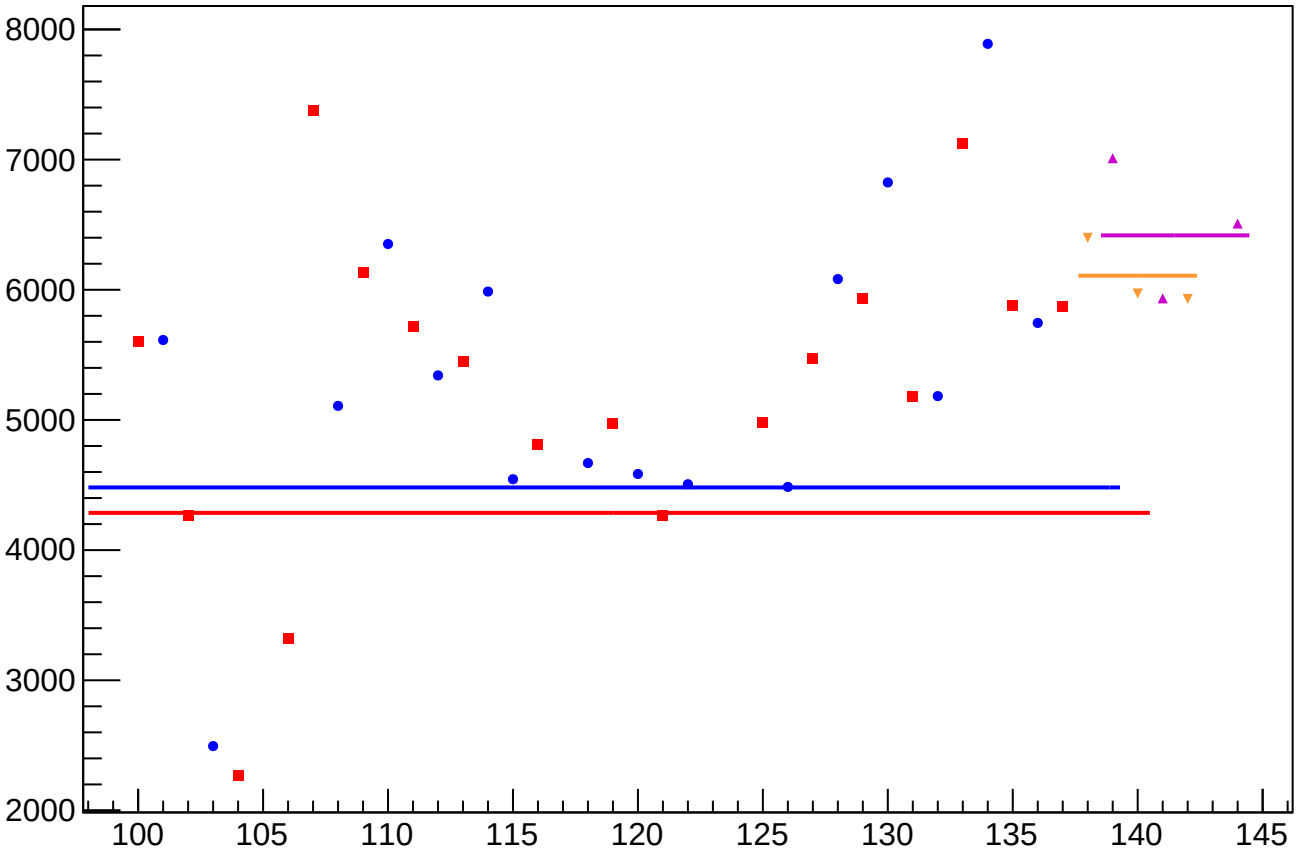
Left: 3120.978+/-2915.522 χ^2/NDF: 2.1/5

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -905.589+/-1608.244 χ^2/NDF:15.6/18

Out: 815.808+/-1581.827 χ^2/NDF:17.7/20

All: -30.637+/-1127.744 χ^2/NDF: 33.9/39



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6108.199+/-3.025 χ^2/NDF:4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6418.064+/-2.817 χ^2/NDF:24033.5/2

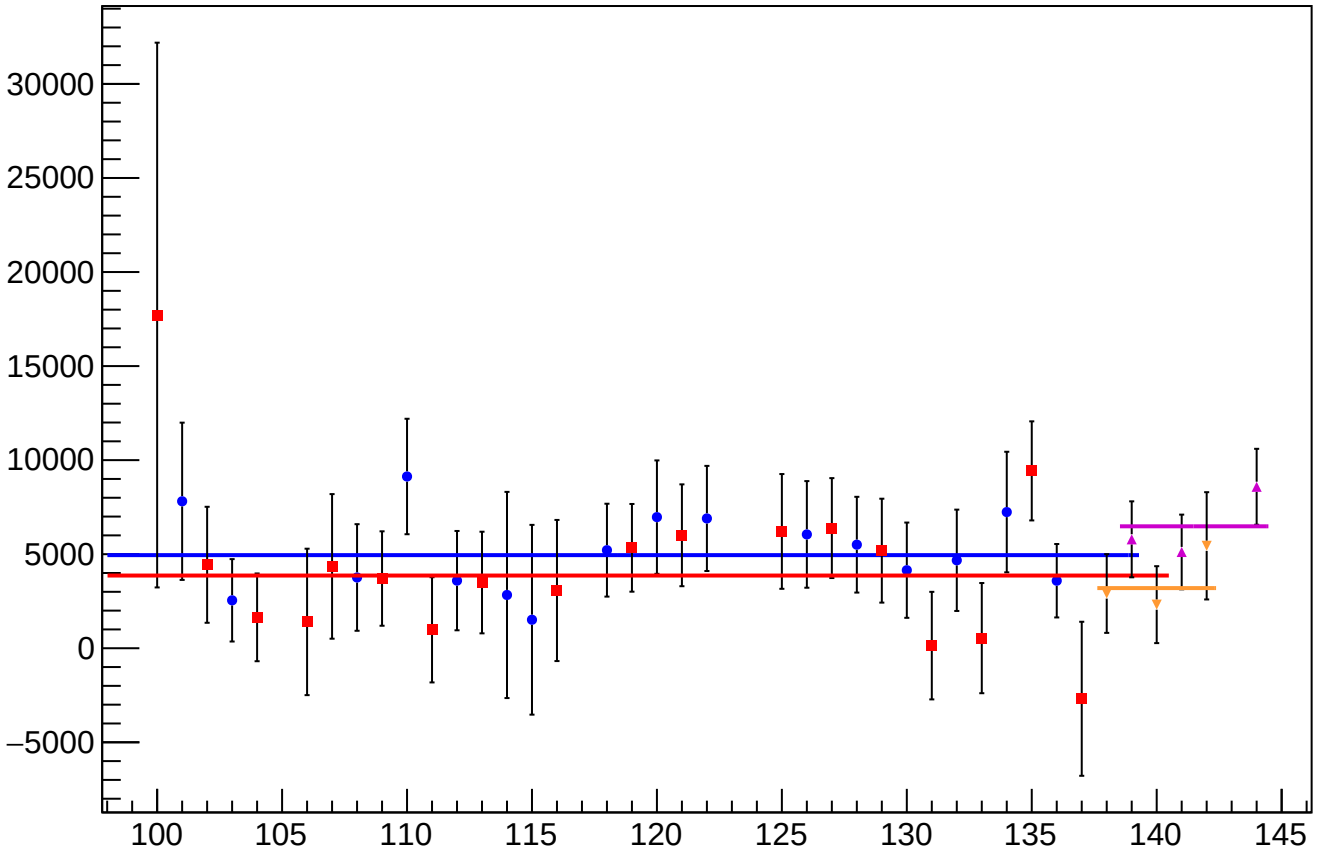
Left: 6274.188+/-2.062 χ^2/NDF: 34492.0/5

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4797.169+/-1.137 χ^2/NDF:1781917.2/18

Out: 4535.164+/-1.119 χ^2/NDF:1867816.4/20

All: 4663.997+/-0.797 χ^2/NDF: 3676714.0/39



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6481.982+/-1159.061 χ^2/NDF:1.7/2

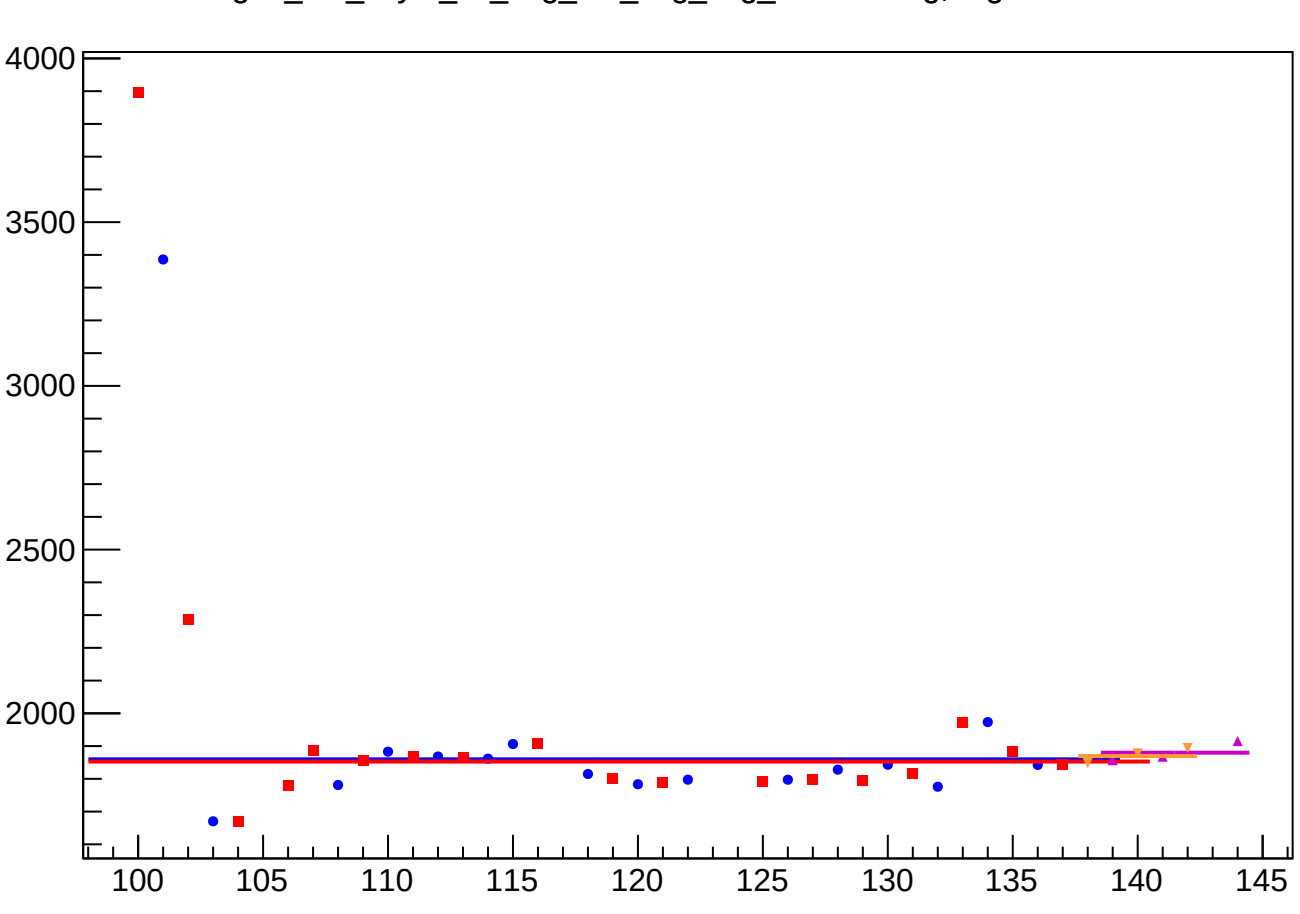
Left: 5028.782+/-865.478 χ^2/NDF: 6.1/5

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5358.407+/-598.535 χ^2/NDF:9.8/18

Out: 3716.497+/-613.567 χ^2/NDF:17.2/20

All: 4557.811+/-428.444 χ^2/NDF: 30.7/39



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1879.819+/-0.820 χ^2/NDF:951.2/2

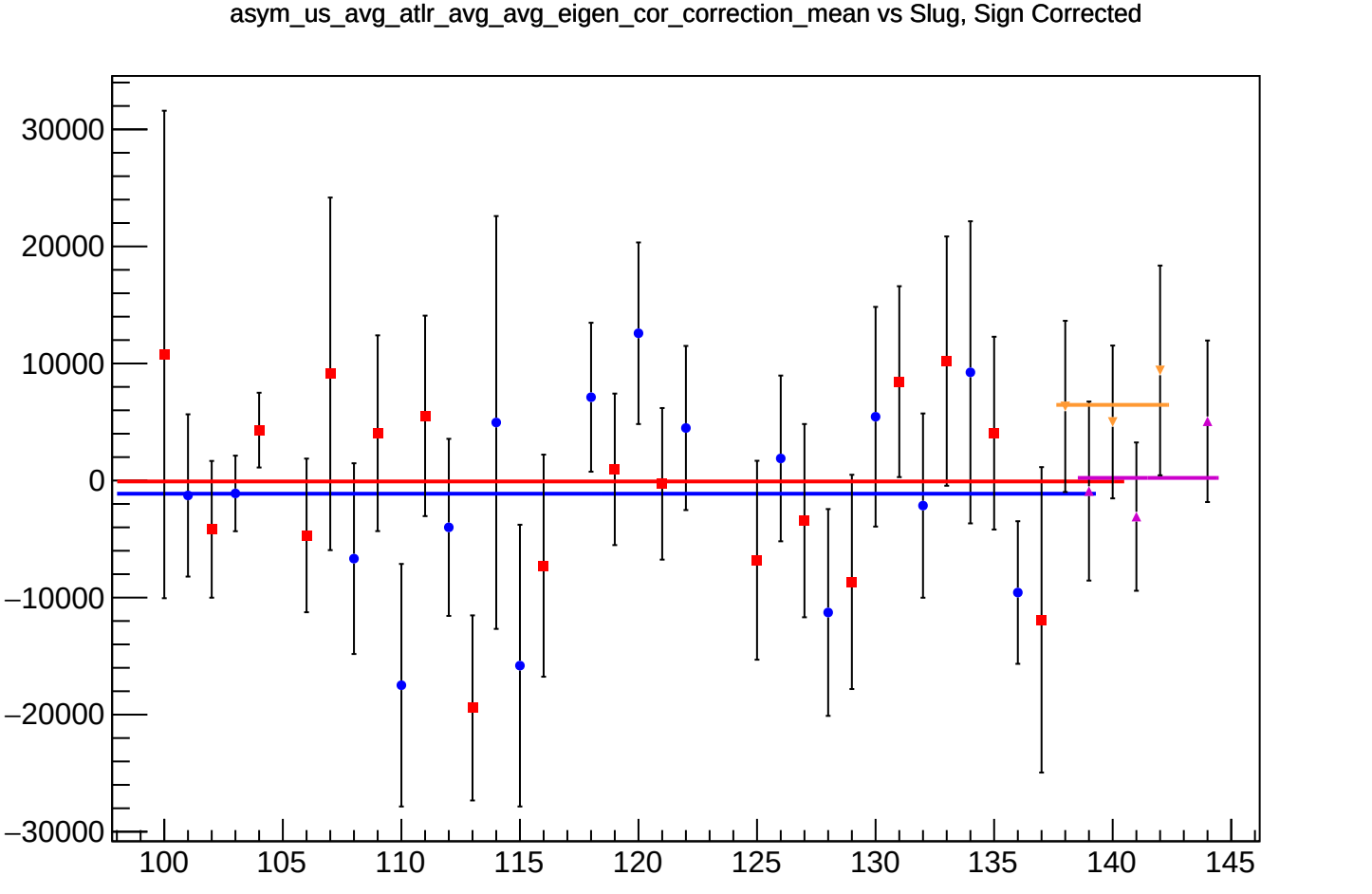
Left: 1875.312+/-0.612 χ^2/NDF: 1408.3/5

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1864.925+/-0.423 χ^2/NDF:293738.0/18

Out: 1856.504+/-0.433 χ^2/NDF:102400.7/20

All: 1860.810+/-0.303 χ^2/NDF: 396332.2/39



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6463.196+/-4278.671 χ^2/NDF:0.2/2

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 224.021+/-3983.479 χ^2/NDF:0.8/2

Left: 3120.978+/-2915.522 χ^2/NDF: 2.1/5

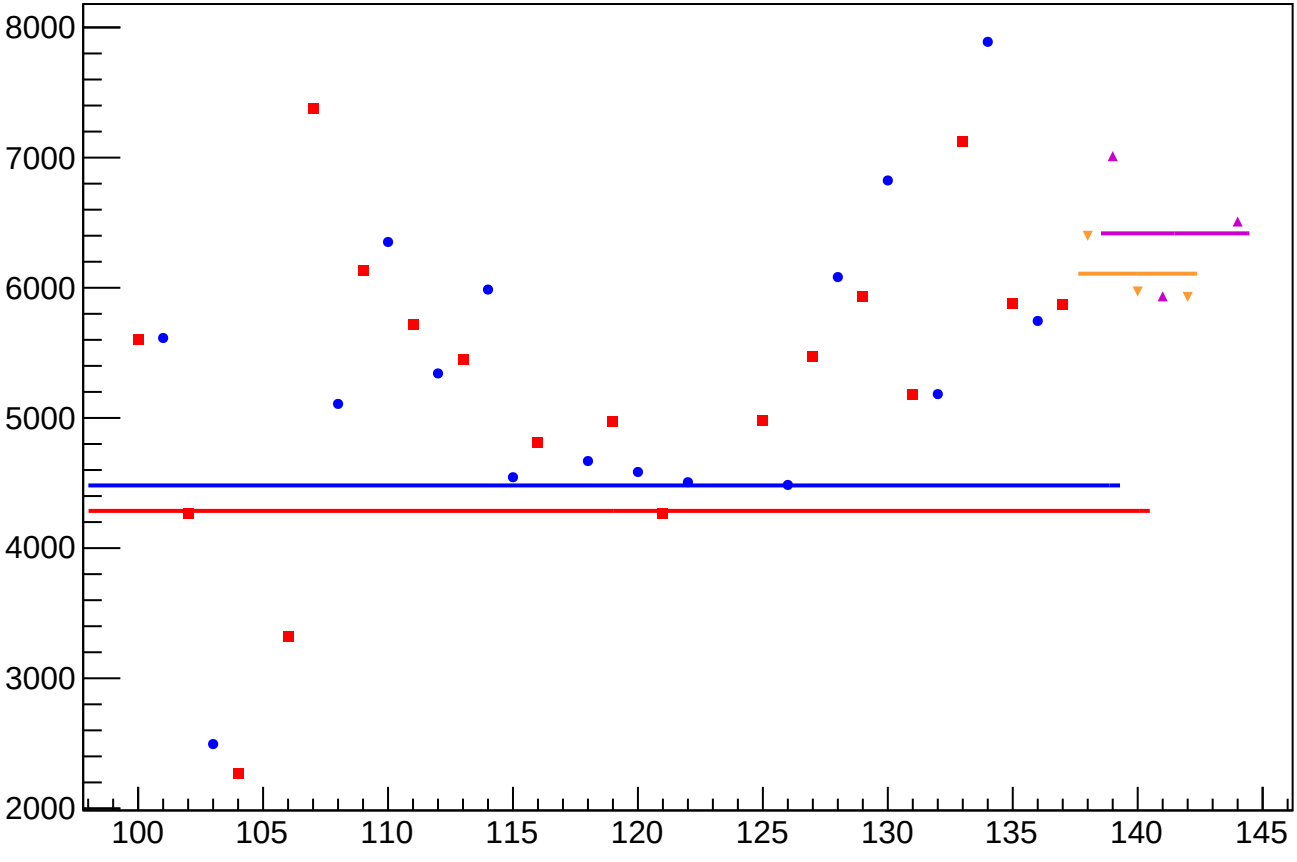
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -905.589+/-1608.244 χ^2/NDF:15.6/18

Out: 815.808+/-1581.827 χ^2/NDF:17.7/20

All: -30.637+/-1127.744 χ^2/NDF: 33.9/39

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: 6108.199+/-3.025 χ^2/NDF:4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6418.064+/-2.817 χ^2/NDF:24033.5/2

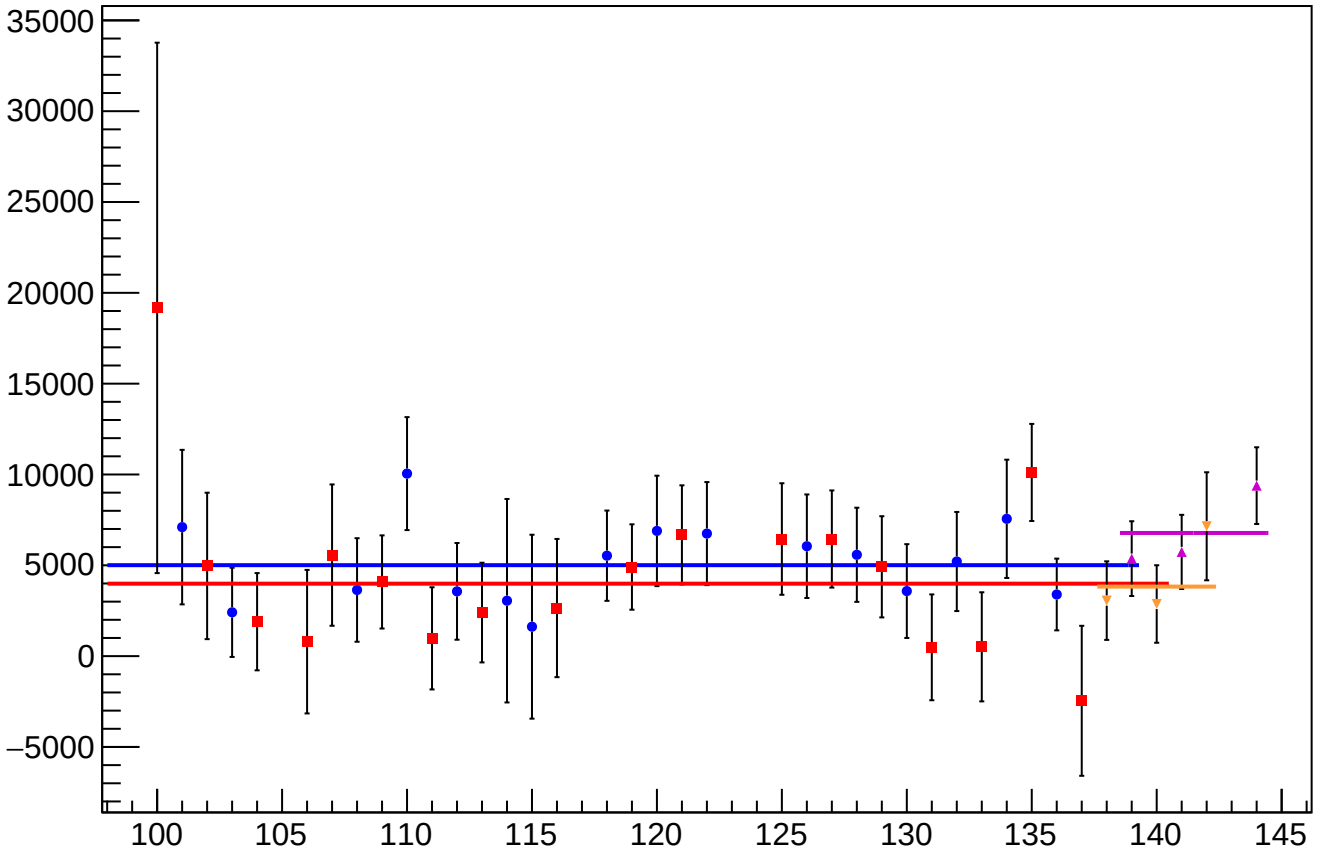
Left: 6274.188+/-2.062 χ^2/NDF: 34492.0/5

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4797.169+/-1.137 χ^2/NDF:1781917.2/18

Out: 4535.164+/-1.119 χ^2/NDF:1867816.4/20

All: 4663.997+/-0.797 χ^2/NDF: 3676714.0/39



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.878+/-1352.486 χ^2/NDF:1.6/2

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 6780.856+/-1194.908 χ^2/NDF:2.3/2

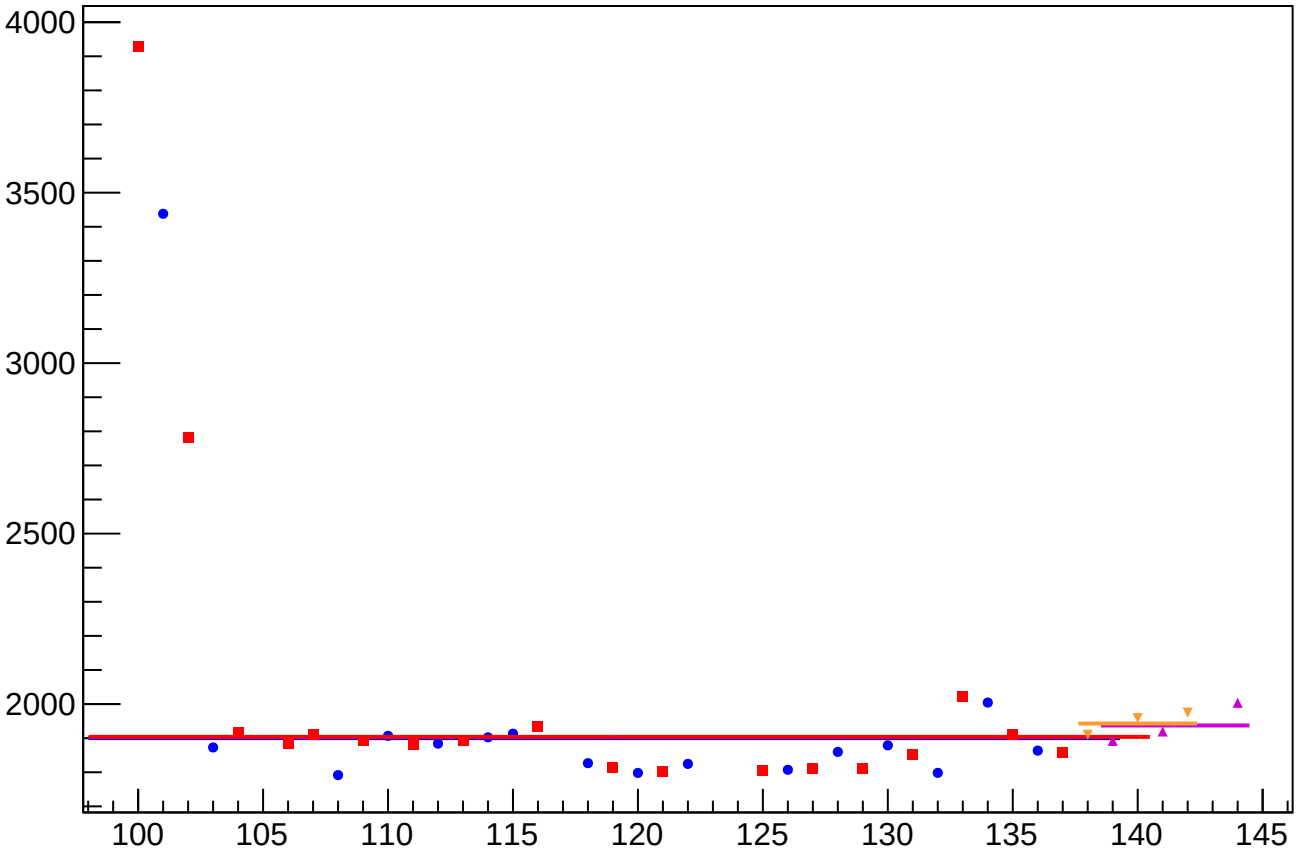
Left: 5486.337+/-895.482 χ^2/NDF: 6.5/5

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5474.005+/-612.954 χ^2/NDF:11.5/18

Out: 3953.647+/-634.881 χ^2/NDF:19.0/20

All: 4740.534+/-440.972 χ^2/NDF: 33.5/39



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1942.941+/-0.956 χ^2/NDF:807.7/2

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1937.257+/-0.845 χ^2/NDF:3104.5/2

Left: 1939.749+/-0.633 χ^2/NDF: 3932.0/5

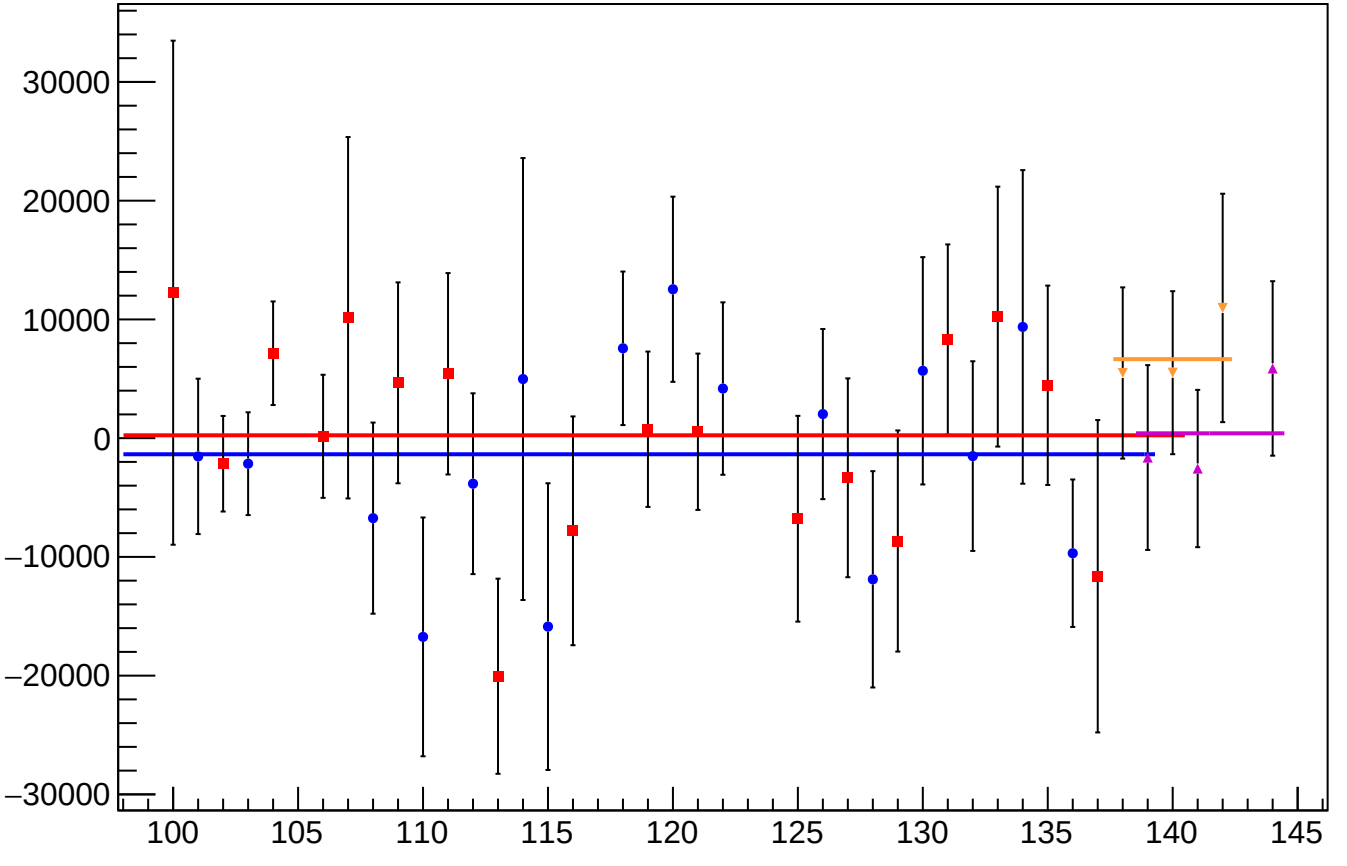
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1909.886+/-0.433 χ^2/NDF:282976.9/18

Out: 1912.432+/-0.449 χ^2/NDF:152228.3/20

All: 1911.115+/-0.312 χ^2/NDF: 435221.9/39

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 6654.386+/-4416.229 χ^2/NDF:0.3/2

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 407.499+/-4158.322 χ^2/NDF:0.8/2

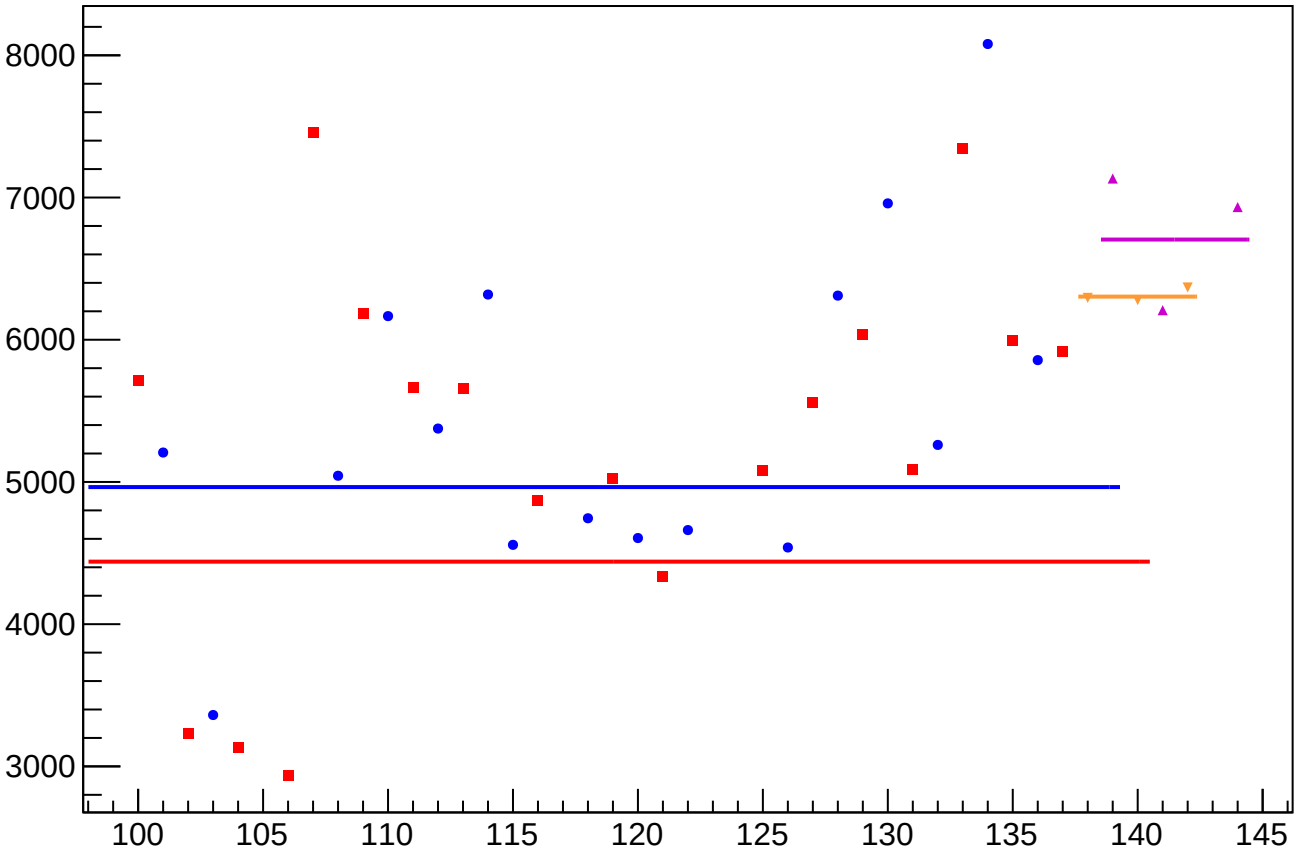
Left: 3343.217+/-3027.450 χ^2/NDF: 2.1/5

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -1052.992+/-1725.131 χ^2/NDF:15.7/18

Out: 1079.604+/-1596.805 χ^2/NDF:17.8/20

All: 95.565+/-1171.855 χ^2/NDF: 34.3/39



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6303.339+/-3.123 χ^2/NDF:117.7/2

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6704.478+/-2.940 χ^2/NDF:19255.3/2

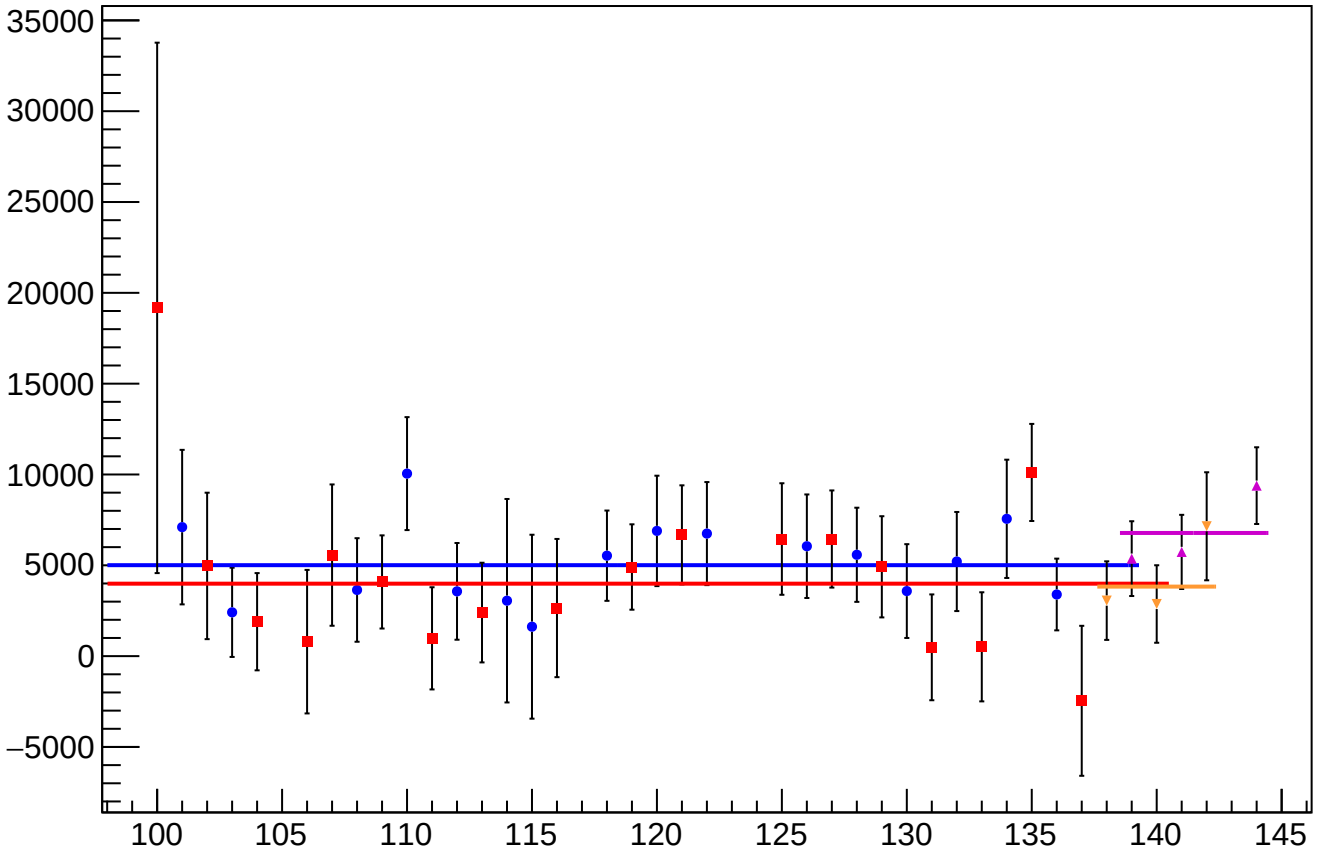
Left: 6515.963+/-2.141 χ^2/NDF: 28119.5/5

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5263.554+/-1.220 χ^2/NDF:936703.1/18

Out: 4683.326+/-1.129 χ^2/NDF:1468236.5/20

All: 4951.059+/-0.829 χ^2/NDF: 2526790.0/39



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.892+/-1352.487 χ^2/NDF:1.6/2

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 6780.849+/-1194.909 χ^2/NDF:2.3/2

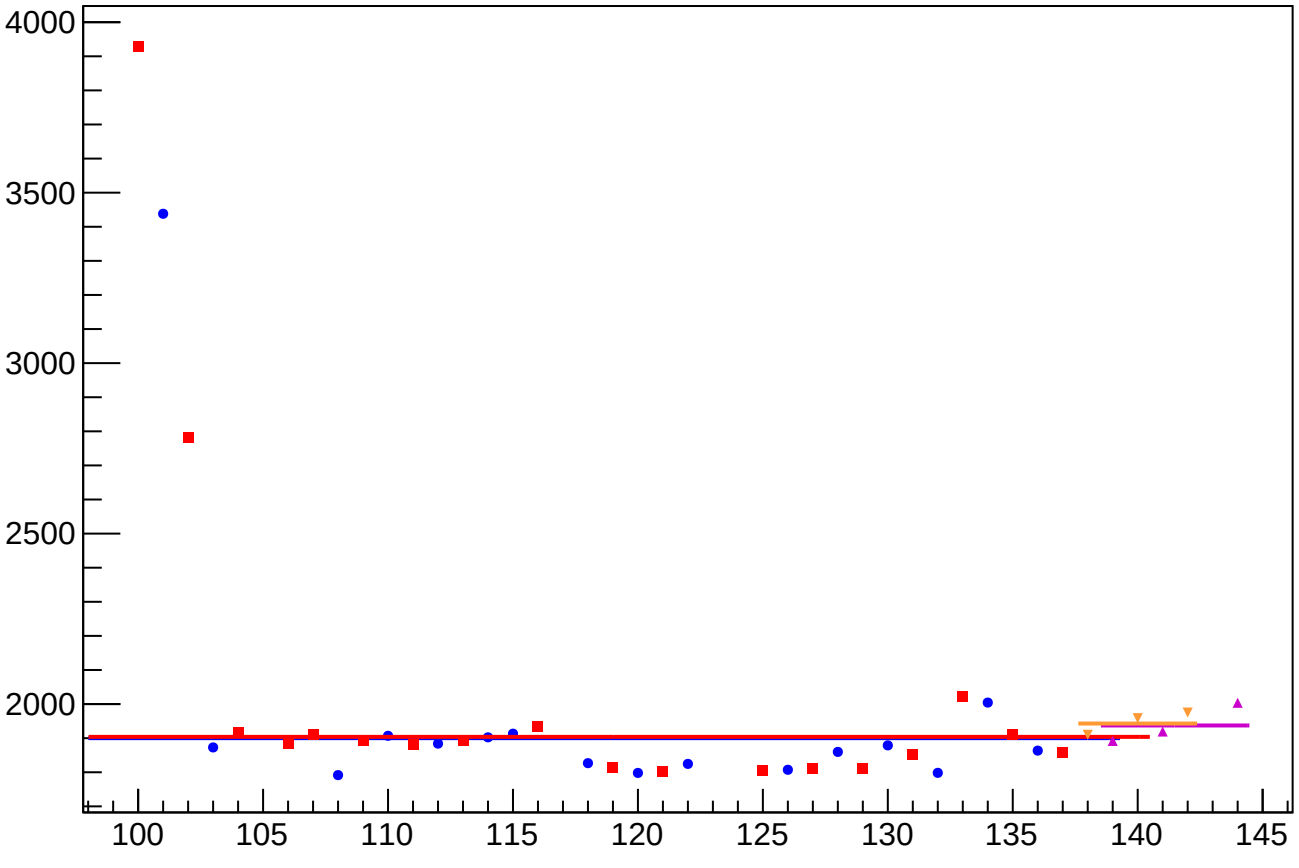
Left: 5486.339+/-895.483 χ^2/NDF: 6.5/5

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5474.001+/-612.954 χ^2/NDF:11.5/18

Out: 3953.649+/-634.881 χ^2/NDF:19.0/20

All: 4740.533+/-440.972 χ^2/NDF: 33.5/39



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1942.942+/-0.956 χ^2/NDF:807.8/2

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1937.258+/-0.845 χ^2/NDF:3104.6/2

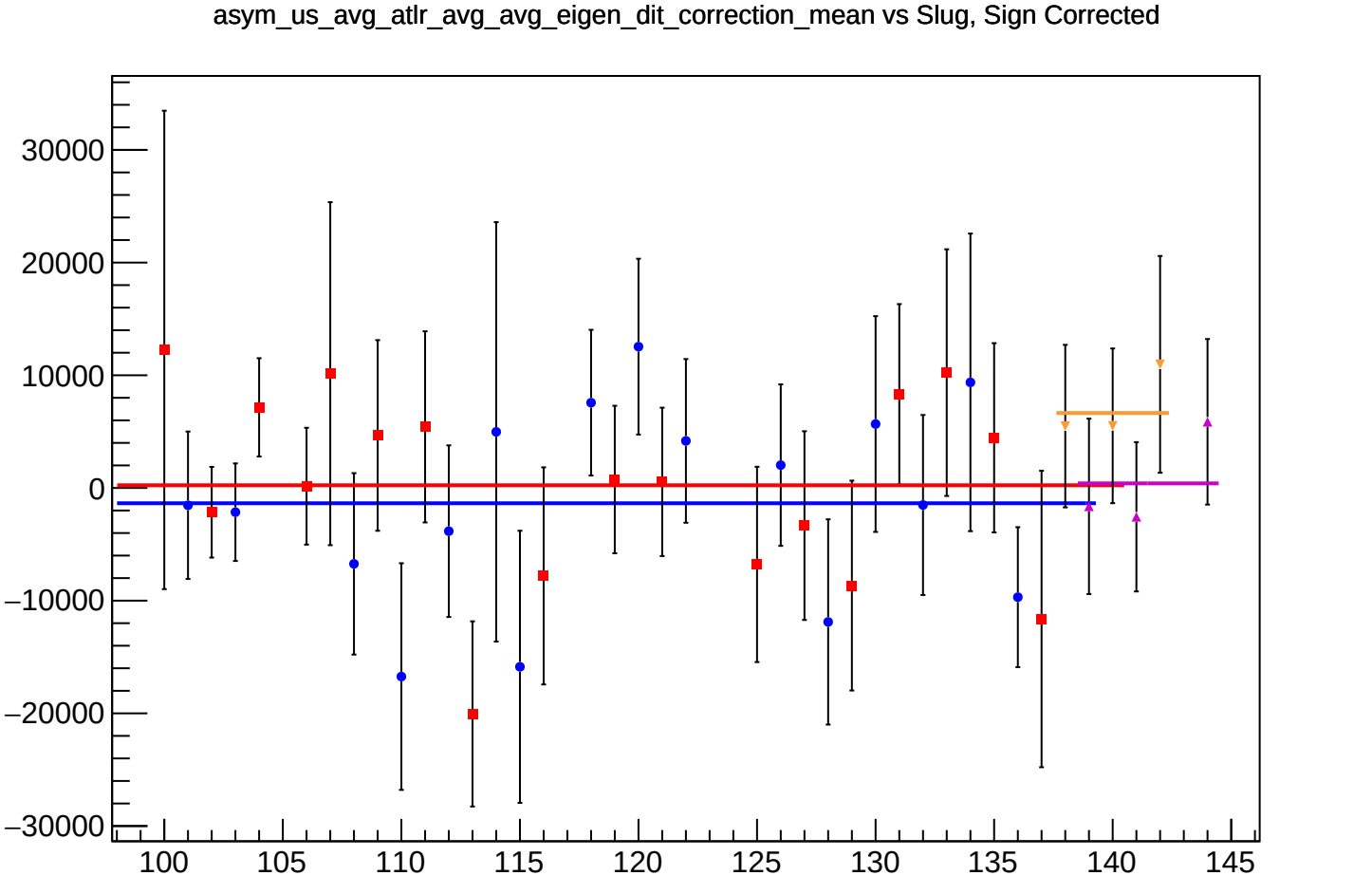
Left: 1939.750+/-0.633 χ^2/NDF: 3932.2/5

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1909.886+/-0.433 χ^2/NDF:282977.3/18

Out: 1912.431+/-0.449 χ^2/NDF:152227.8/20

All: 1911.115+/-0.312 χ^2/NDF: 435221.8/39



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 6654.405+/-4416.237 χ^2/NDF:0.3/2

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 407.492+/-4158.329 χ^2/NDF:0.8/2

Left: 3343.222+/-3027.455 χ^2/NDF: 2.1/5

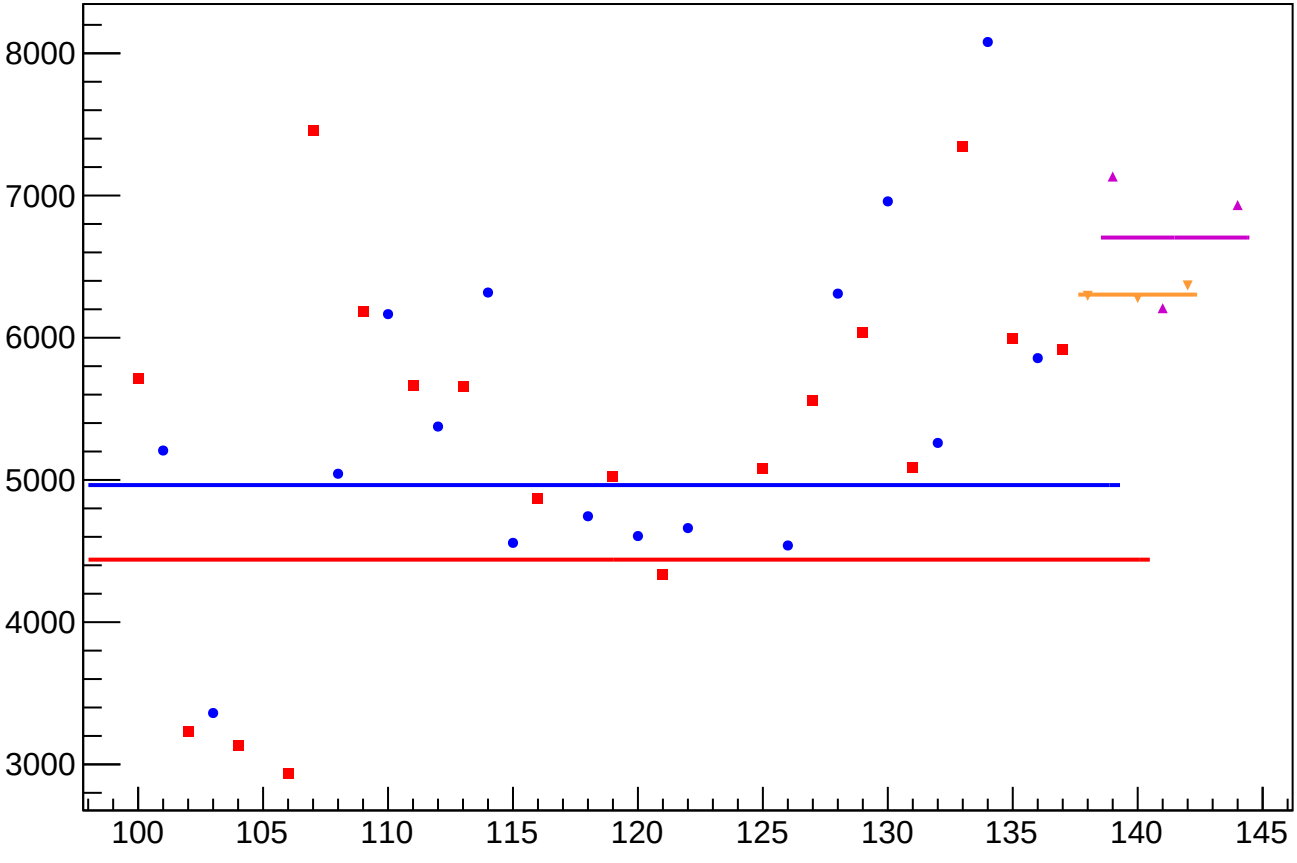
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -1052.986+/-1725.128 χ^2/NDF:15.7/18

Out: 1079.602+/-1596.802 χ^2/NDF:17.8/20

All: 95.567+/-1171.853 χ^2/NDF: 34.3/39

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: 6303.350+/-3.123 χ^2/NDF:117.7/2

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6704.489+/-2.940 χ^2/NDF:19255.8/2

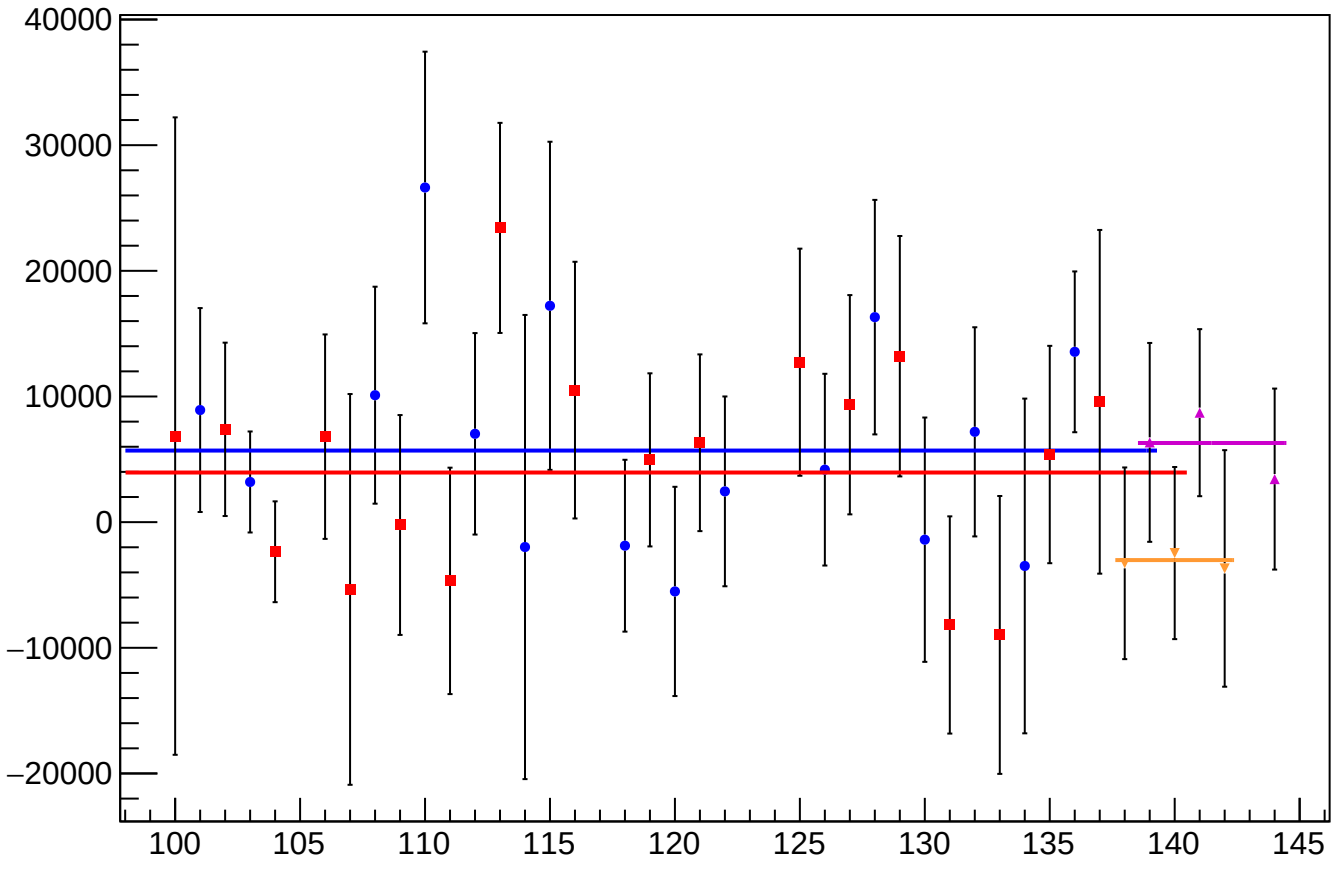
Left: 6515.974+/-2.141 χ^2/NDF: 28120.0/5

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5263.543+/-1.220 χ^2/NDF:936713.6/18

Out: 4683.315+/-1.129 χ^2/NDF:1468242.8/20

All: 4951.048+/-0.829 χ^2/NDF: 2526806.9/39



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -3018.861+/-4481.204 χ^2/NDF:0.0/2

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 6299.726+/-4156.704 χ^2/NDF:0.3/2

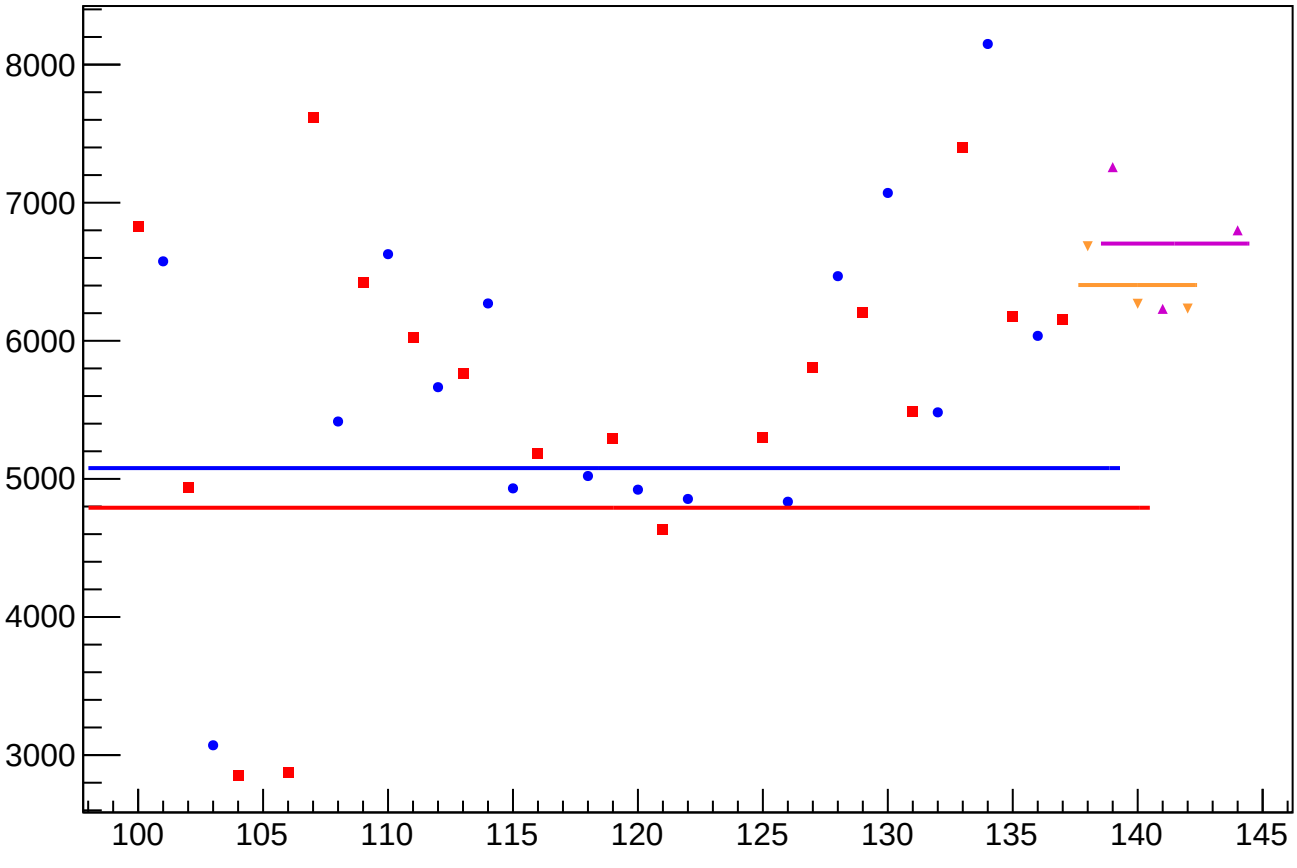
Left: 1990.010+/-3047.502 χ^2/NDF: 2.6/5

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5806.740+/-1772.221 χ^2/NDF:12.9/18

Out: 2868.050+/-1765.284 χ^2/NDF:18.2/20

All: 4331.632+/-1250.690 χ^2/NDF: 32.5/39



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6403.904+/-3.169 χ^2/NDF:4150.1/2

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6703.998+/-2.939 χ^2/NDF:20250.0/2

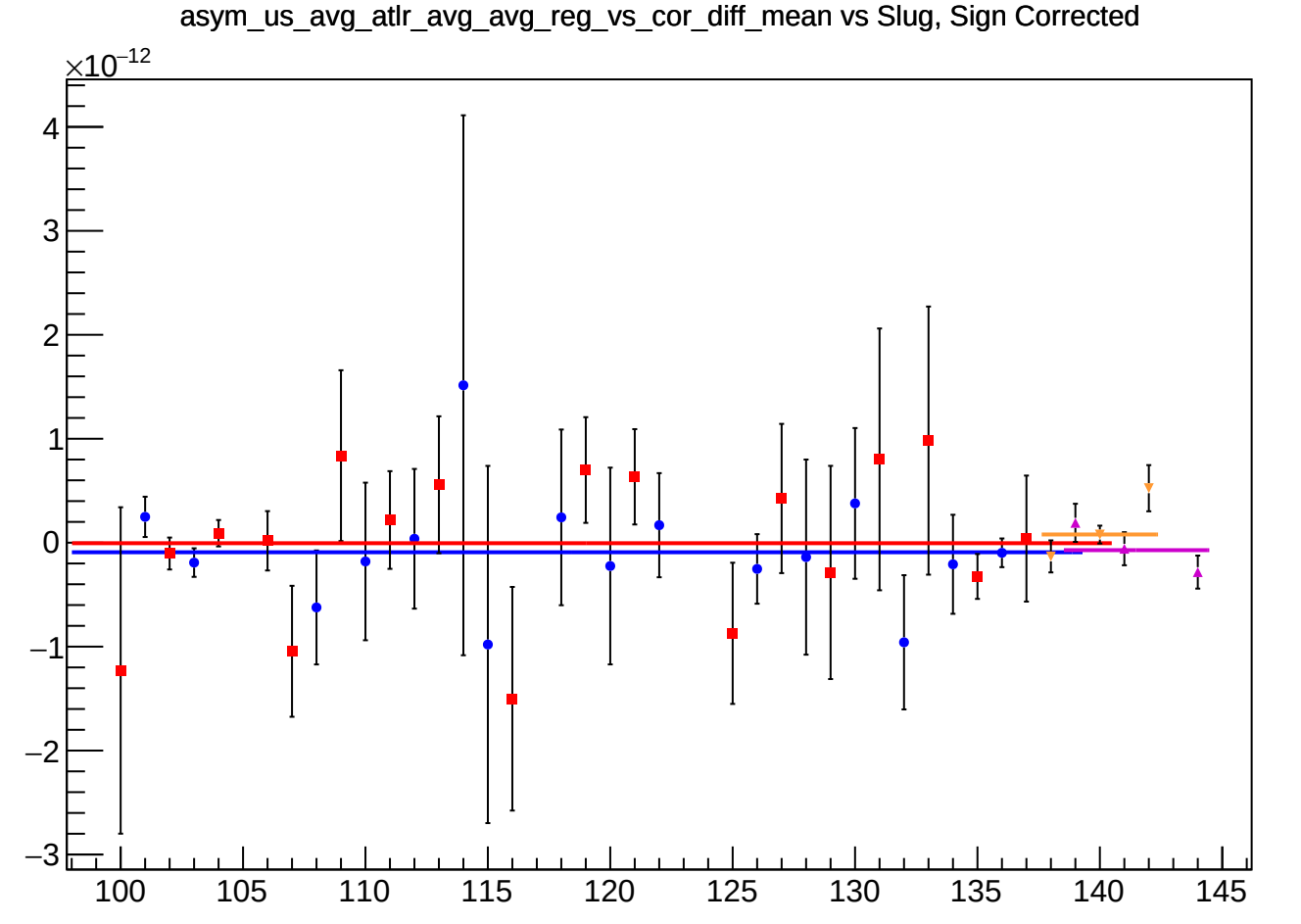
Left: 6565.209+/-2.155 χ^2/NDF: 29221.2/5

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5373.688+/-1.253 χ^2/NDF:1189818.3/18

Out: 5032.939+/-1.227 χ^2/NDF:1386813.7/20

All: 5199.711+/-0.877 χ^2/NDF: 2614383.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:3.8/2

Left: 0.000+/-0.000 χ^2/NDF: 11.3/5

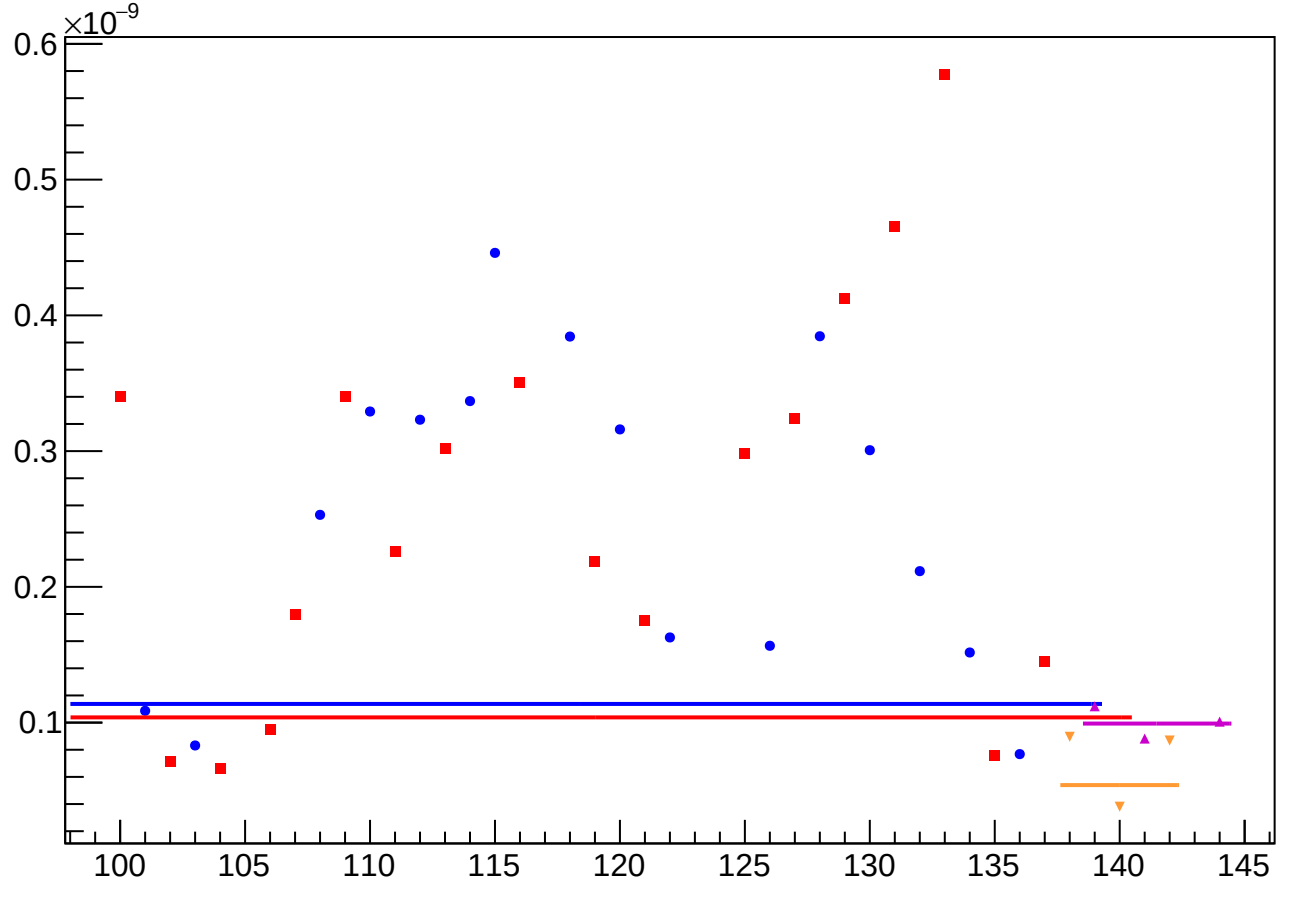
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:12.1/18

Out: 0.000+/-0.000 χ^2/NDF:23.9/20

All: -0.000+/-0.000 χ^2/NDF: 38.4/39

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:219358.9/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19467.3/2

Left: 0.000+/-0.000 χ^2/NDF: 527847.8/5

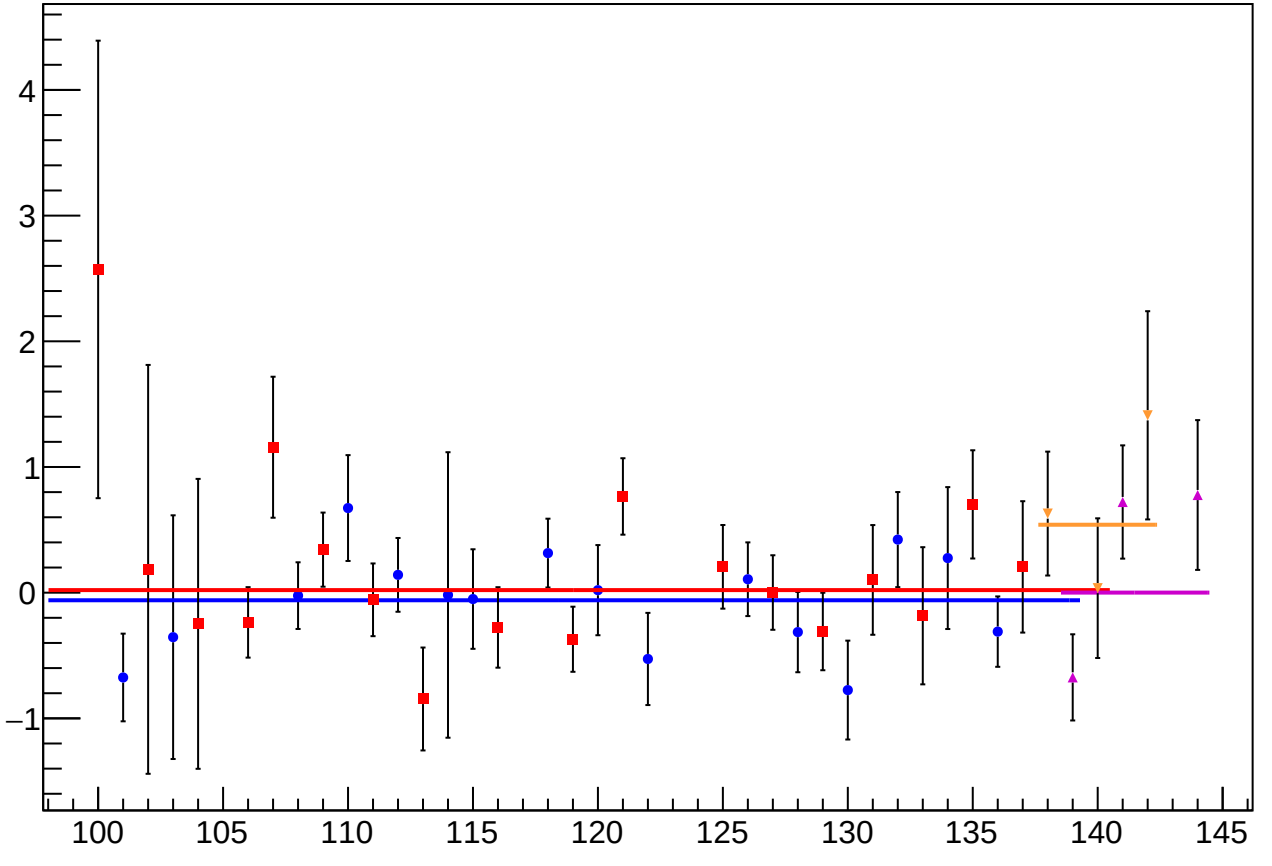
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1571732.7/18

Out: 0.000+/-0.000 χ^2/NDF:2759378.5/20

All: 0.000+/-0.000 χ^2/NDF: 4635736.8/39

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.001+/-0.248 χ^2/NDF:8.1/2

Left: 0.190+/-0.200 χ^2/NDF: 11.8/5

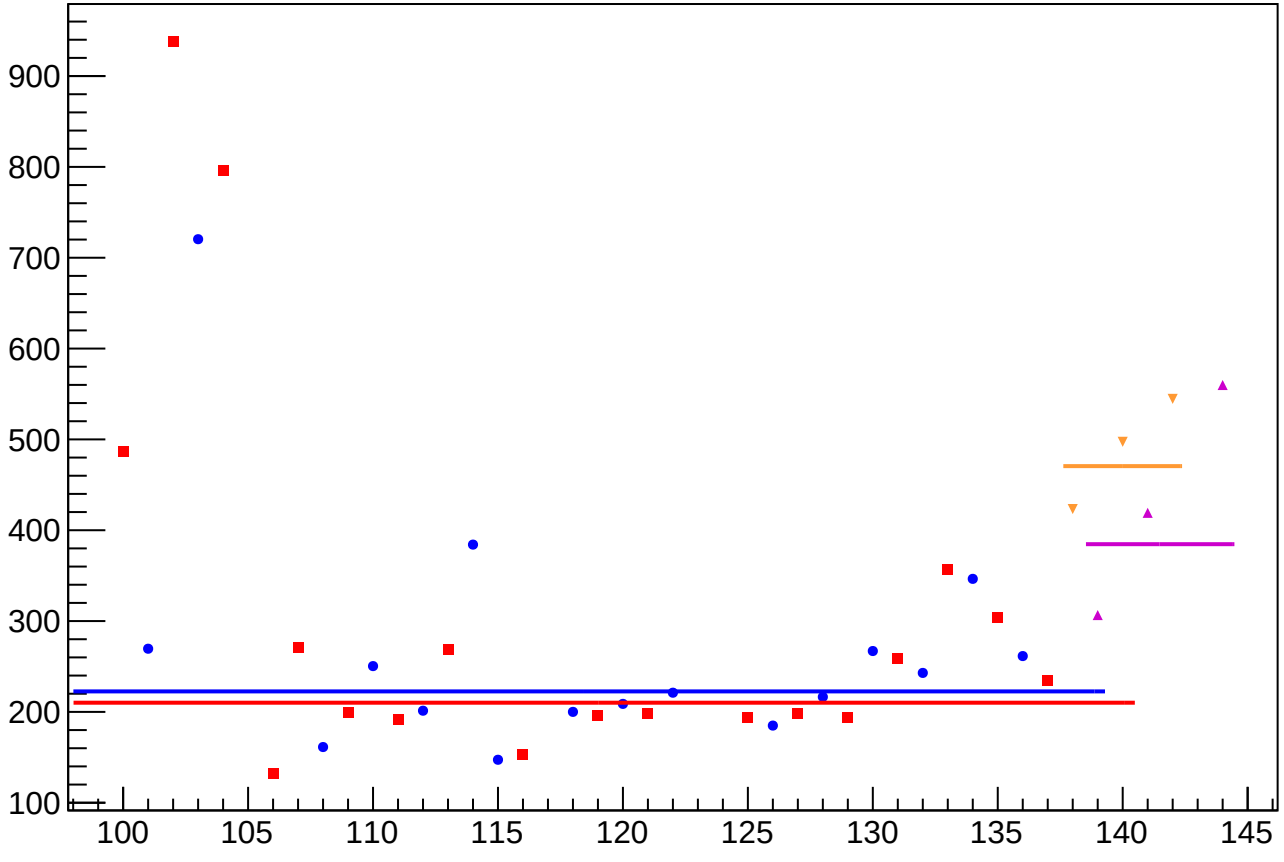
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.083 χ^2/NDF:25.5/18

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.001+/-0.059 χ^2/NDF: 56.6/39

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: 470.577+/-0.238 χ^2/NDF:38999.5/2

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 384.648+/-0.175 χ^2/NDF:288316.1/2

Left: 414.863+/-0.141 χ^2/NDF: 411684.1/5

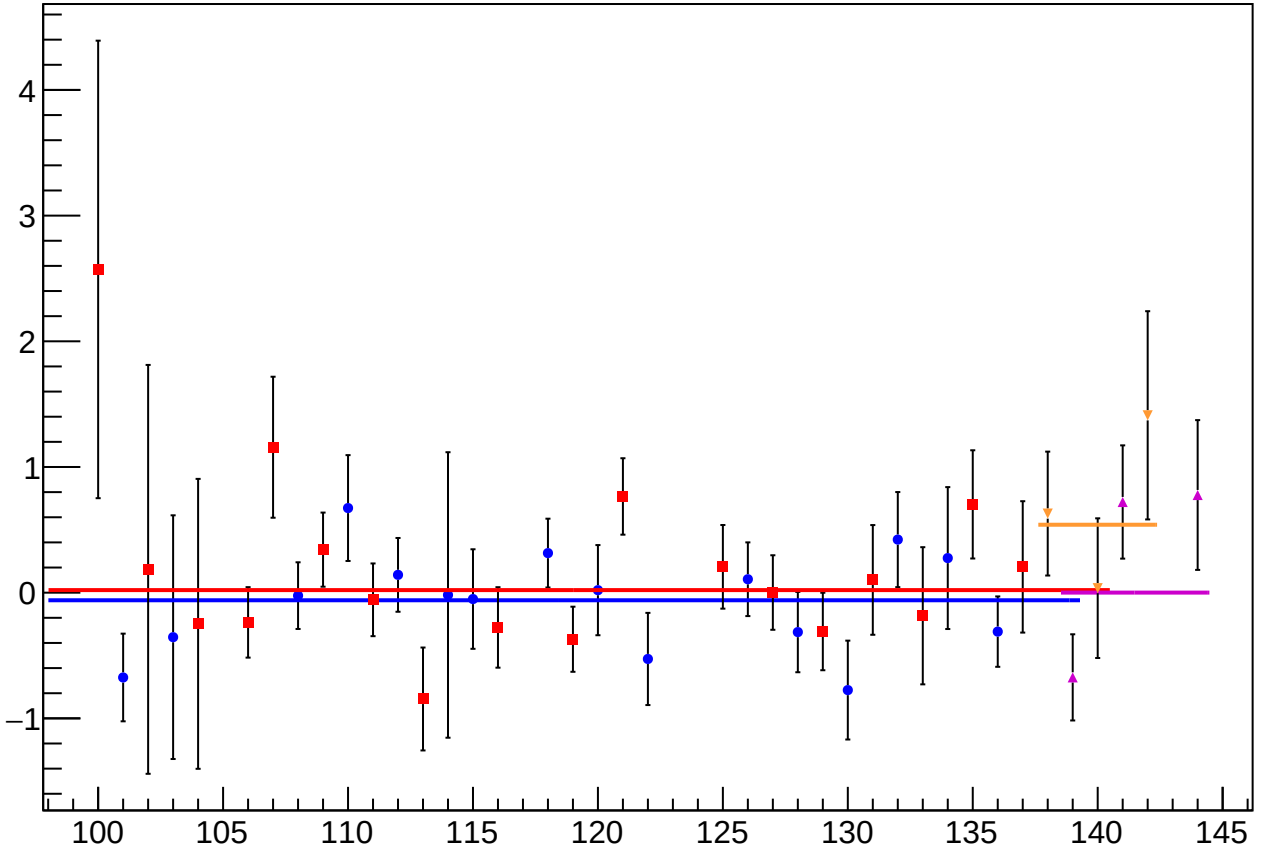
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 240.924+/-0.059 χ^2/NDF:2064063.8/18

Out: 226.559+/-0.060 χ^2/NDF:2707565.3/20

All: 233.838+/-0.042 χ^2/NDF: 4800834.4/39

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.001+/-0.248 χ^2/NDF:8.1/2

Left: 0.190+/-0.200 χ^2/NDF: 11.8/5

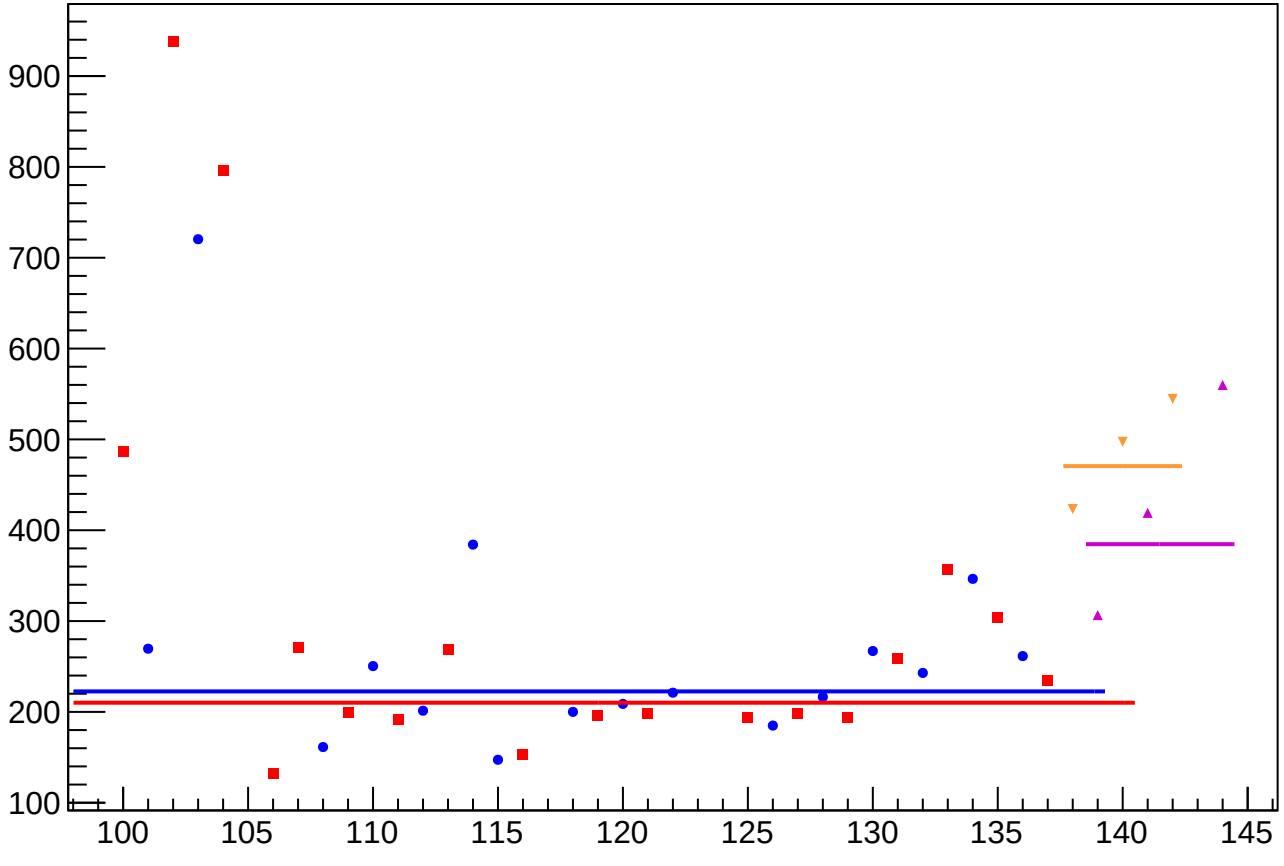
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.083 χ^2/NDF:25.5/18

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.001+/-0.059 χ^2/NDF: 56.6/39

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: 470.577+/-0.238 χ^2/NDF:38999.5/2

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 384.648+/-0.175 χ^2/NDF:288316.1/2

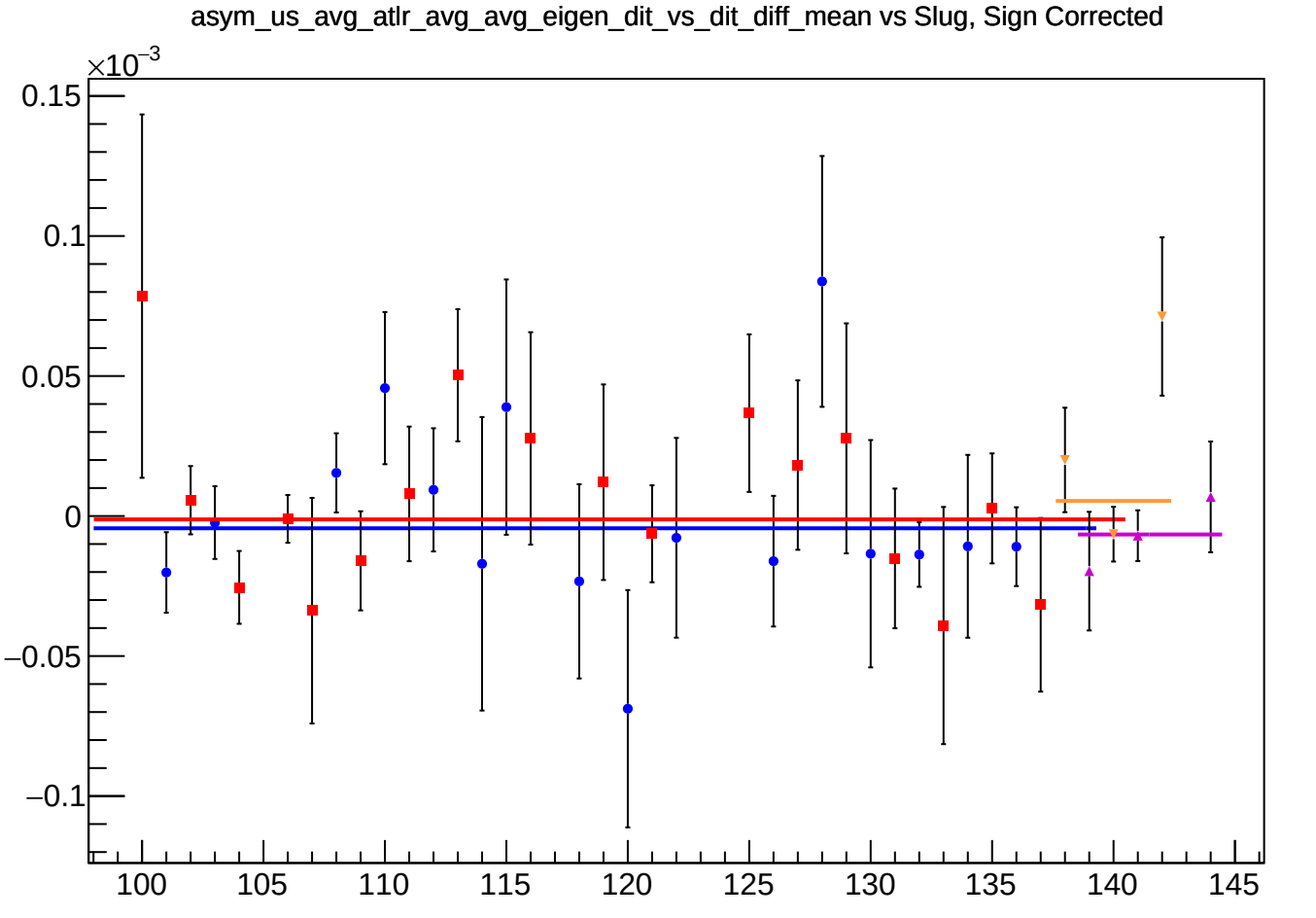
Left: 414.863+/-0.141 χ^2/NDF: 411684.1/5

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

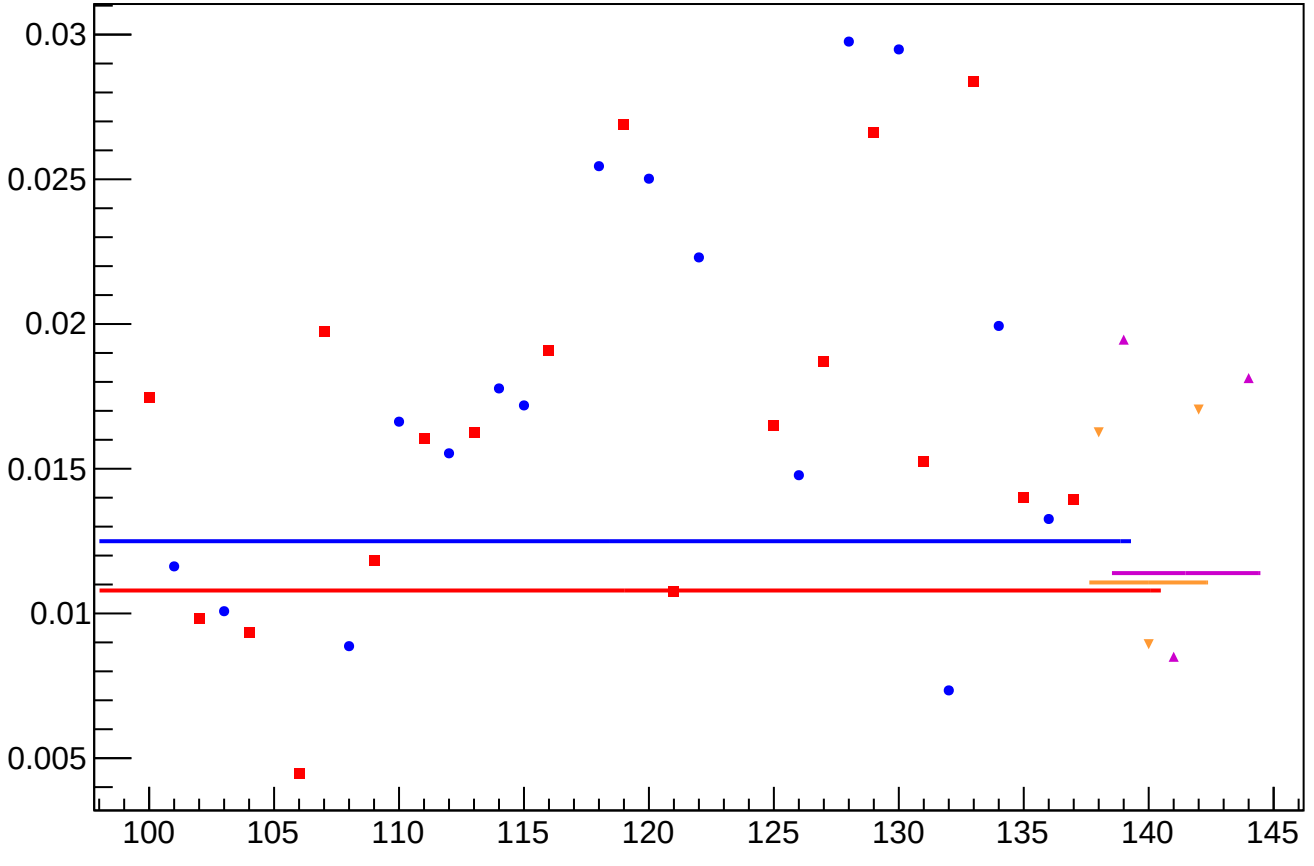
In: 240.924+/-0.059 χ^2/NDF:2064063.8/18

Out: 226.559+/-0.060 χ^2/NDF:2707565.3/20

All: 233.838+/-0.042 χ^2/NDF: 4800834.4/39


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
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.5/2
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:0.8/2
Left: -0.000+/-0.000 χ²/NDF: 9.5/5
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:16.5/18
Out: 0.000+/-0.000 χ²/NDF:25.2/20
All: -0.000+/-0.000 χ²/NDF: 42.6/39

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: 0.011+/-0.000 χ^2/NDF:339312.1/2

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:725855.0/2

Left: 0.011+/-0.000 χ^2/NDF: 1066810.3/5

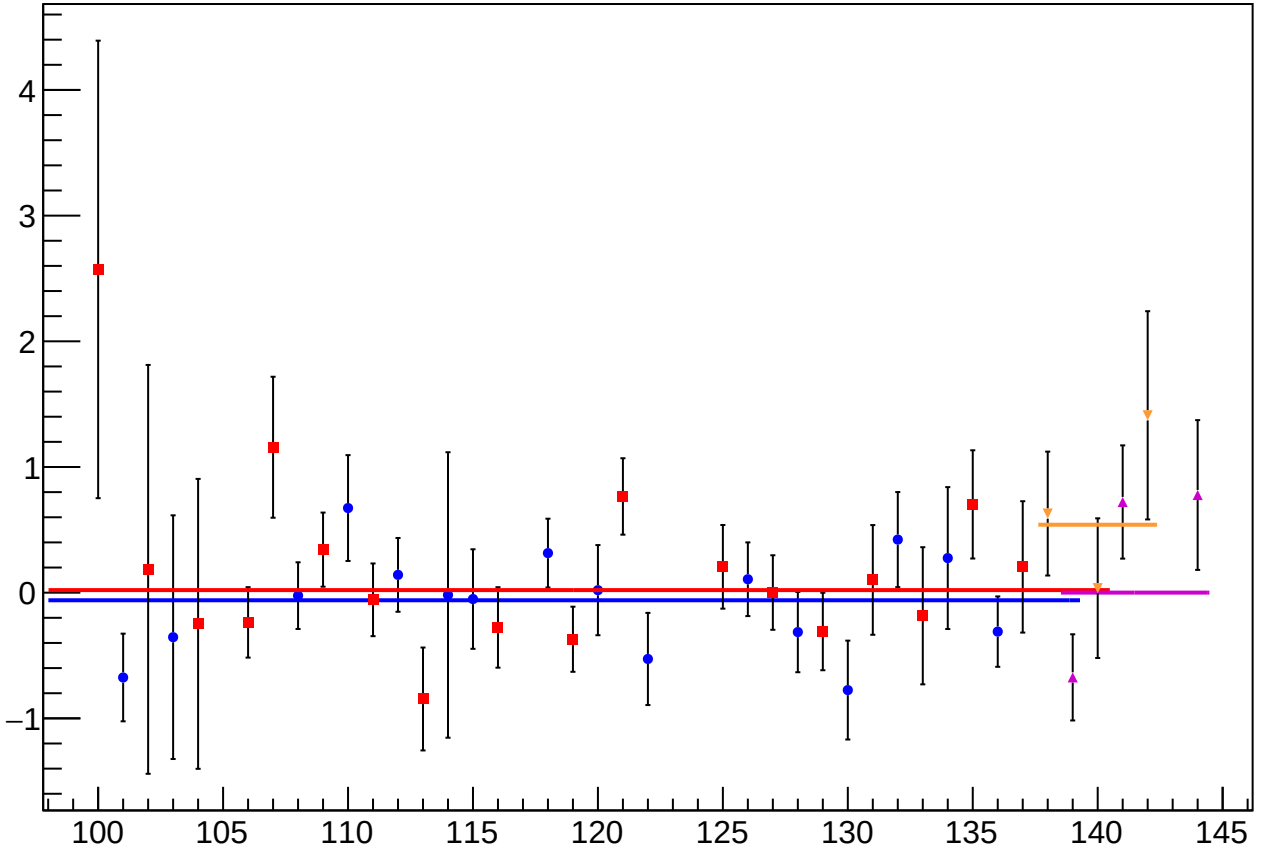
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2869469.7/18

Out: 0.011+/-0.000 χ^2/NDF:3328859.7/20

All: 0.011+/-0.000 χ^2/NDF: 6297798.3/39

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.001+/-0.248 χ^2/NDF:8.1/2

Left: 0.190+/-0.200 χ^2/NDF: 11.8/5

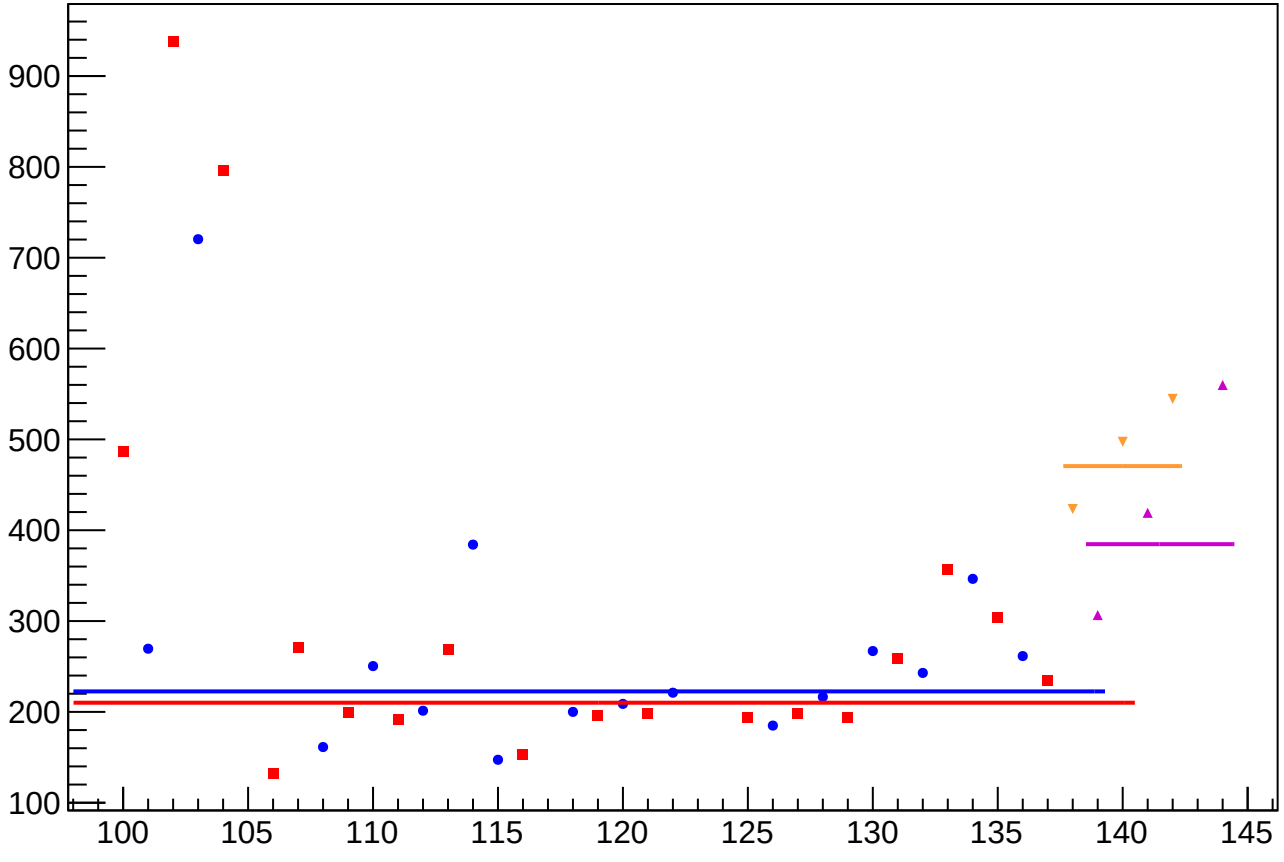
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.083 χ^2/NDF:25.5/18

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.001+/-0.059 χ^2/NDF: 56.6/39

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: 470.581+/-0.238 χ^2/NDF:39000.3/2

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 384.655+/-0.175 χ^2/NDF:288304.8/2

Left: 414.869+/-0.141 χ^2/NDF: 411665.6/5

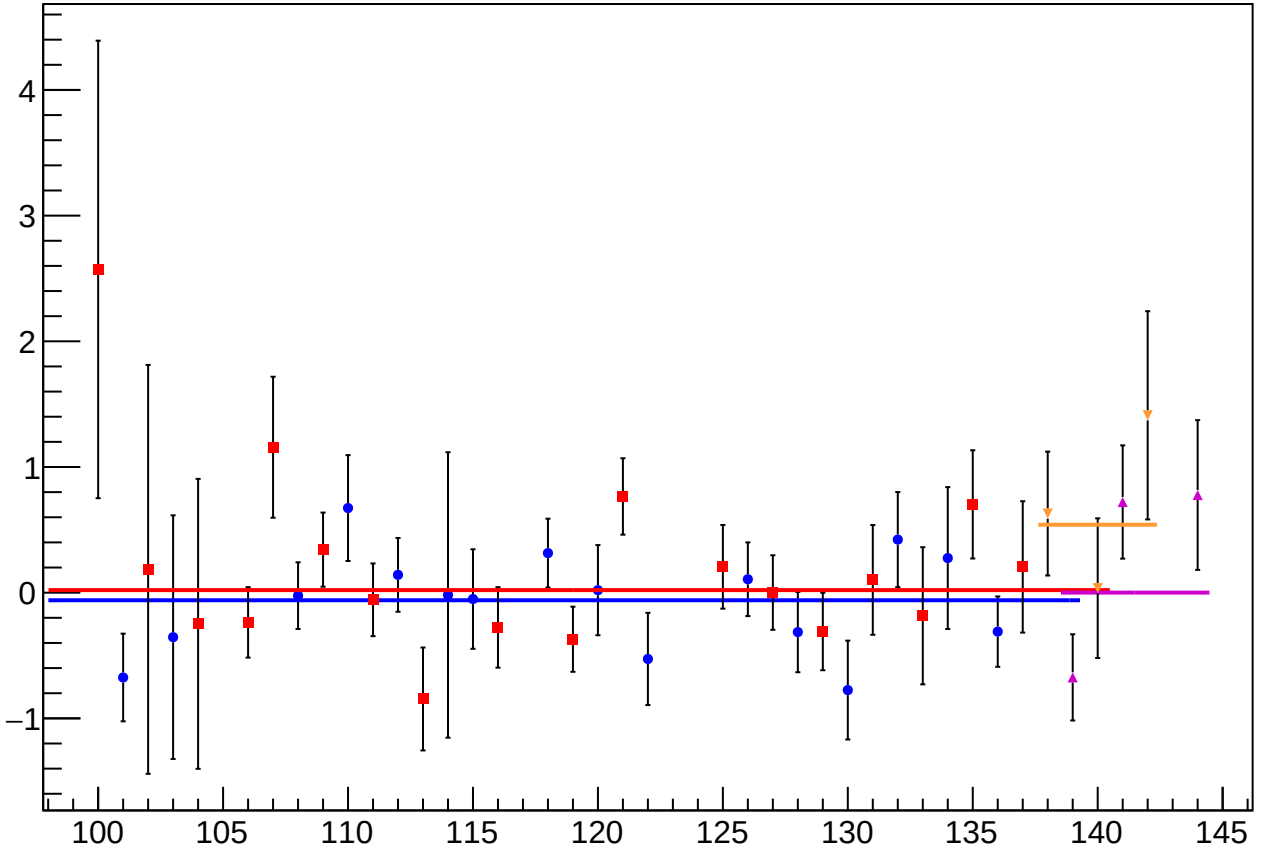
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 240.922+/-0.059 χ^2/NDF:2064097.4/18

Out: 226.556+/-0.060 χ^2/NDF:2707587.7/20

All: 233.836+/-0.042 χ^2/NDF: 4800895.7/39

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.001+/-0.248 χ^2/NDF:8.1/2

Left: 0.190+/-0.200 χ^2/NDF: 11.8/5

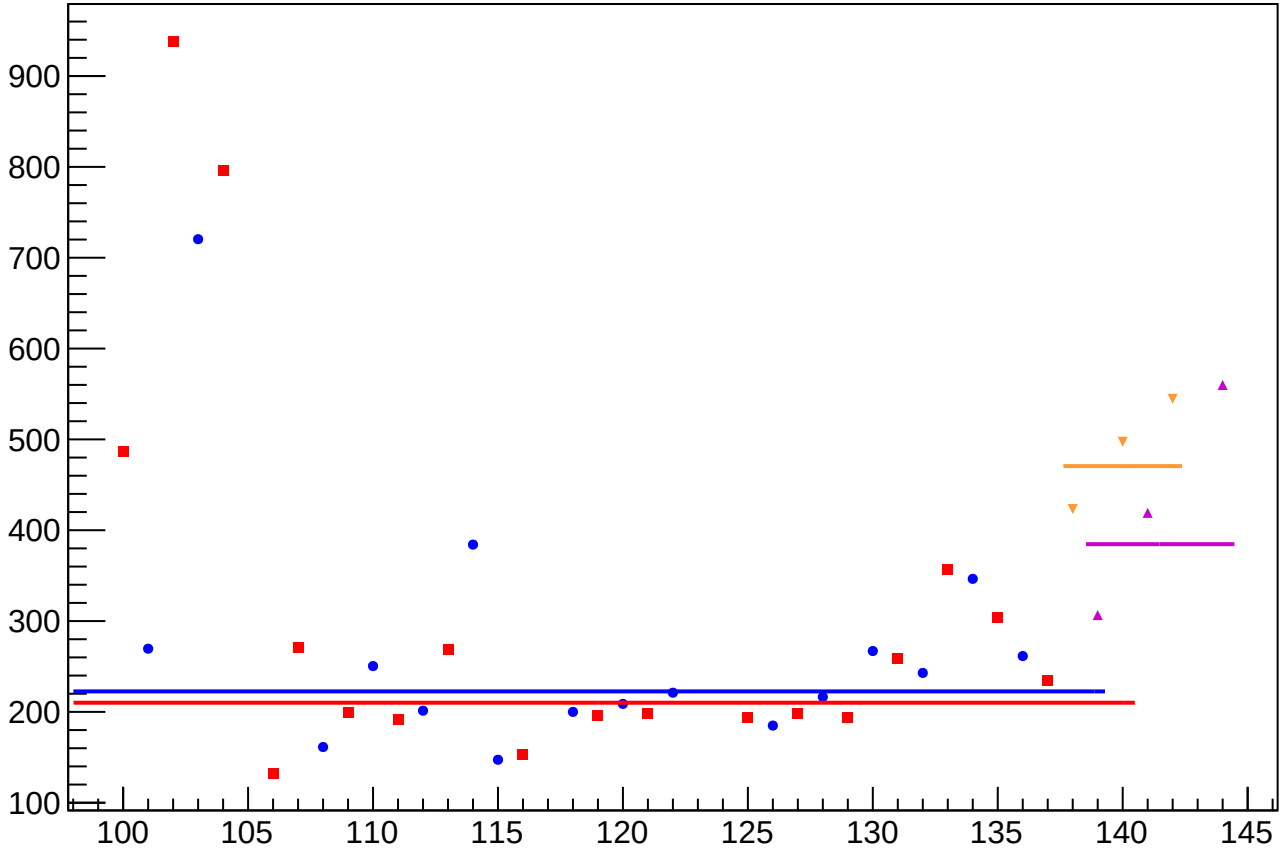
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.054+/-0.083 χ^2/NDF:25.5/18

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.001+/-0.059 χ^2/NDF: 56.6/39

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: 470.581+/-0.238 χ^2/NDF:39000.3/2

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 384.655+/-0.175 χ^2/NDF:288304.8/2

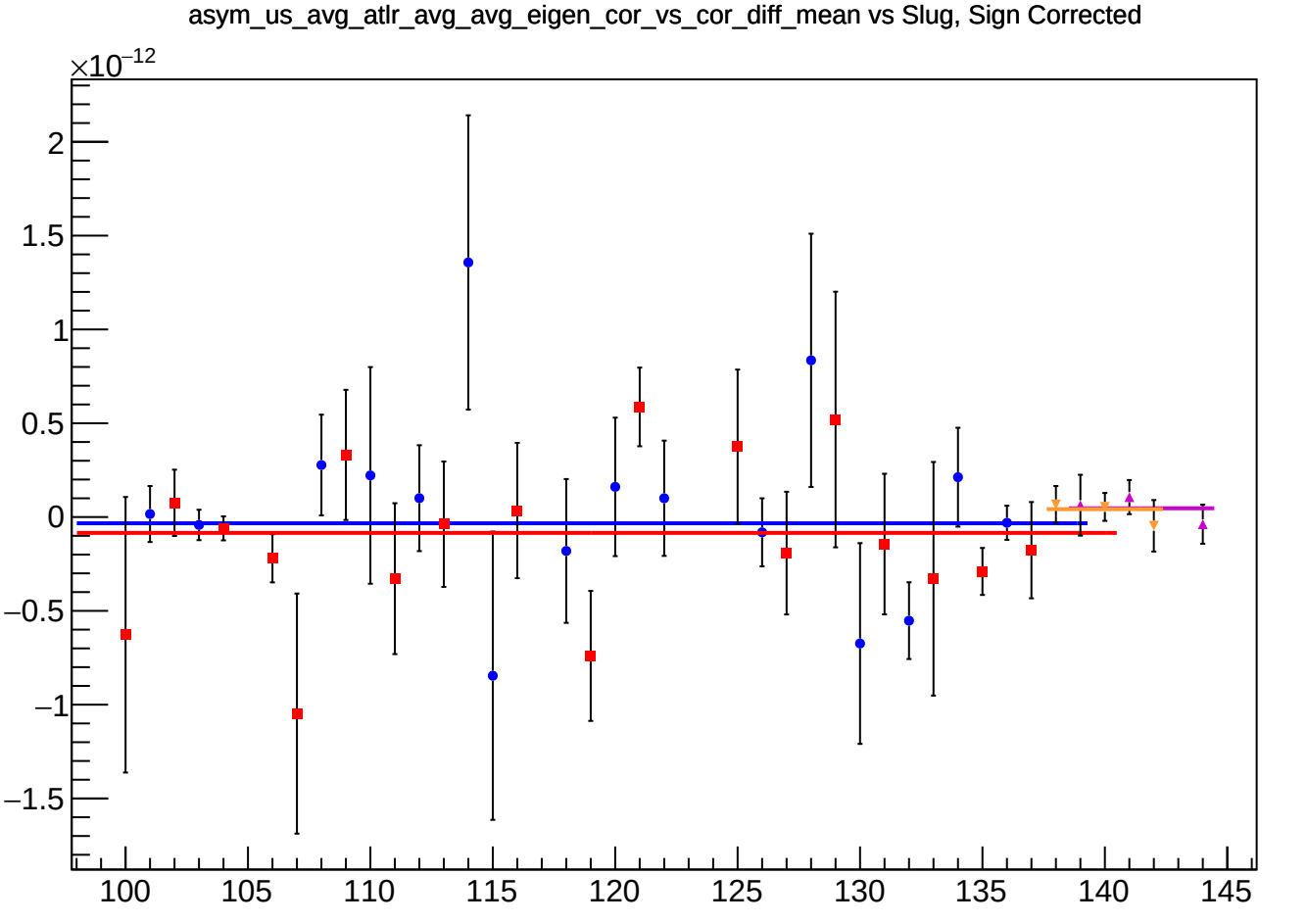
Left: 414.869+/-0.141 χ^2/NDF: 411665.6/5

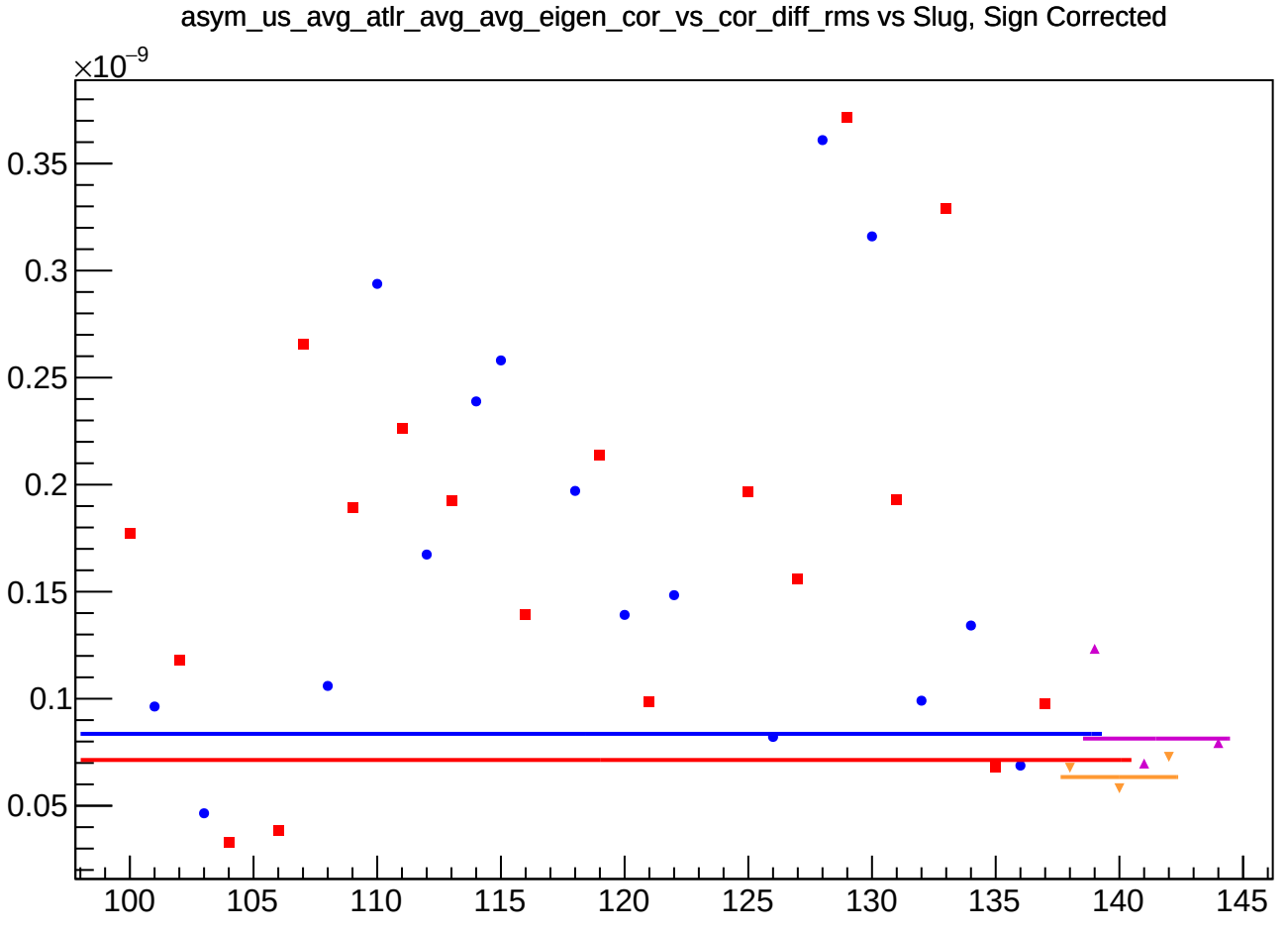
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 240.922+/-0.059 χ^2/NDF:2064097.4/18

Out: 226.556+/-0.060 χ^2/NDF:2707587.7/20

All: 233.836+/-0.042 χ^2/NDF: 4800895.7/39


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
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.5/2
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:1.1/2
Left: 0.000+/-0.000 χ²/NDF: 1.6/5
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:19.4/18
Out: -0.000+/-0.000 χ²/NDF:29.6/20
All: -0.000+/-0.000 χ²/NDF: 49.3/39



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23325.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:167526.0/2

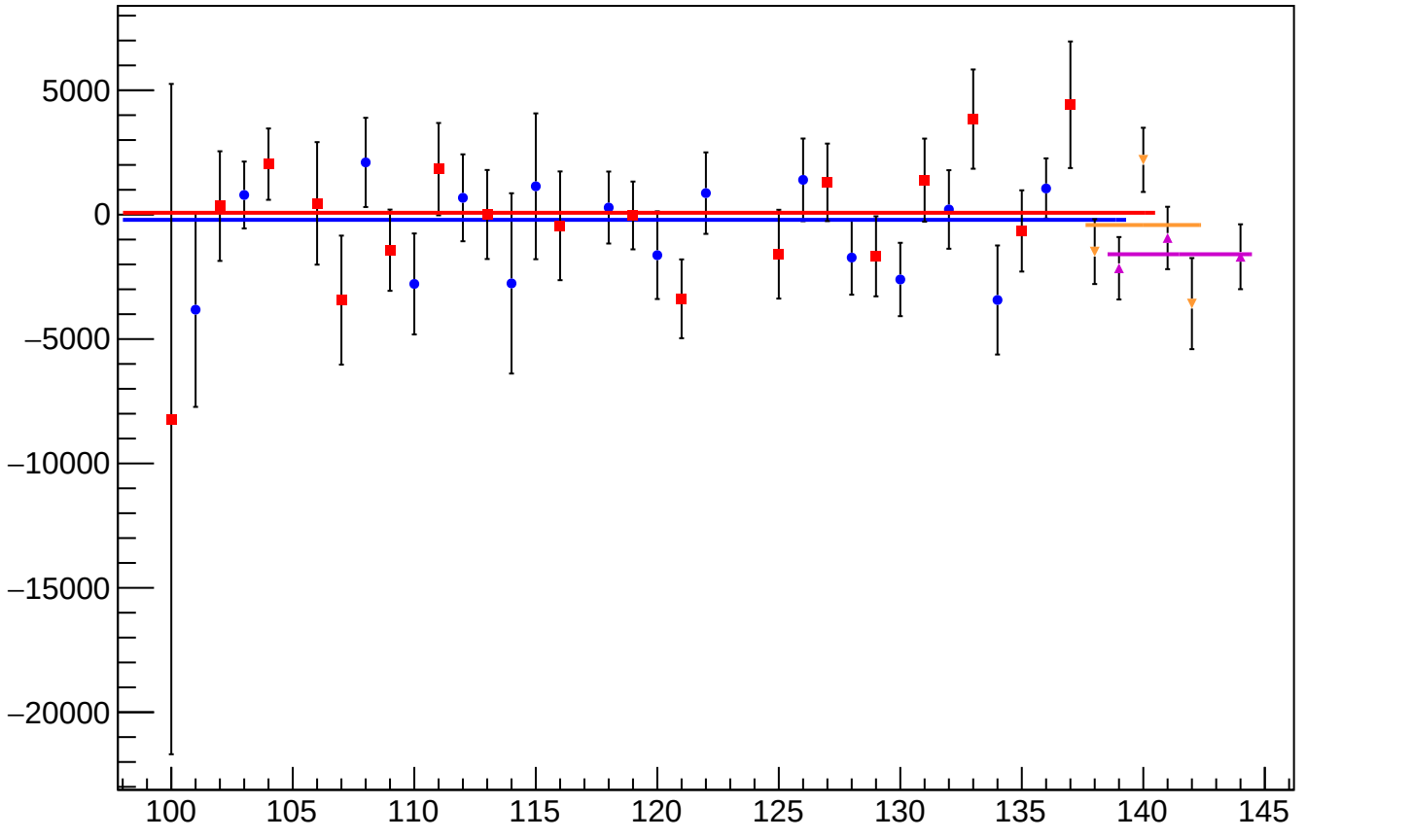
Left: 0.000+/-0.000 χ^2/NDF: 283807.8/5

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:2404533.7/18

Out: 0.000+/-0.000 χ^2/NDF:3794289.0/20

All: 0.000+/-0.000 χ^2/NDF: 6362271.8/39



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.024+/-819.745 χ^2/NDF:7.8/2

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -1590.979+/-733.275 χ^2/NDF:0.5/2

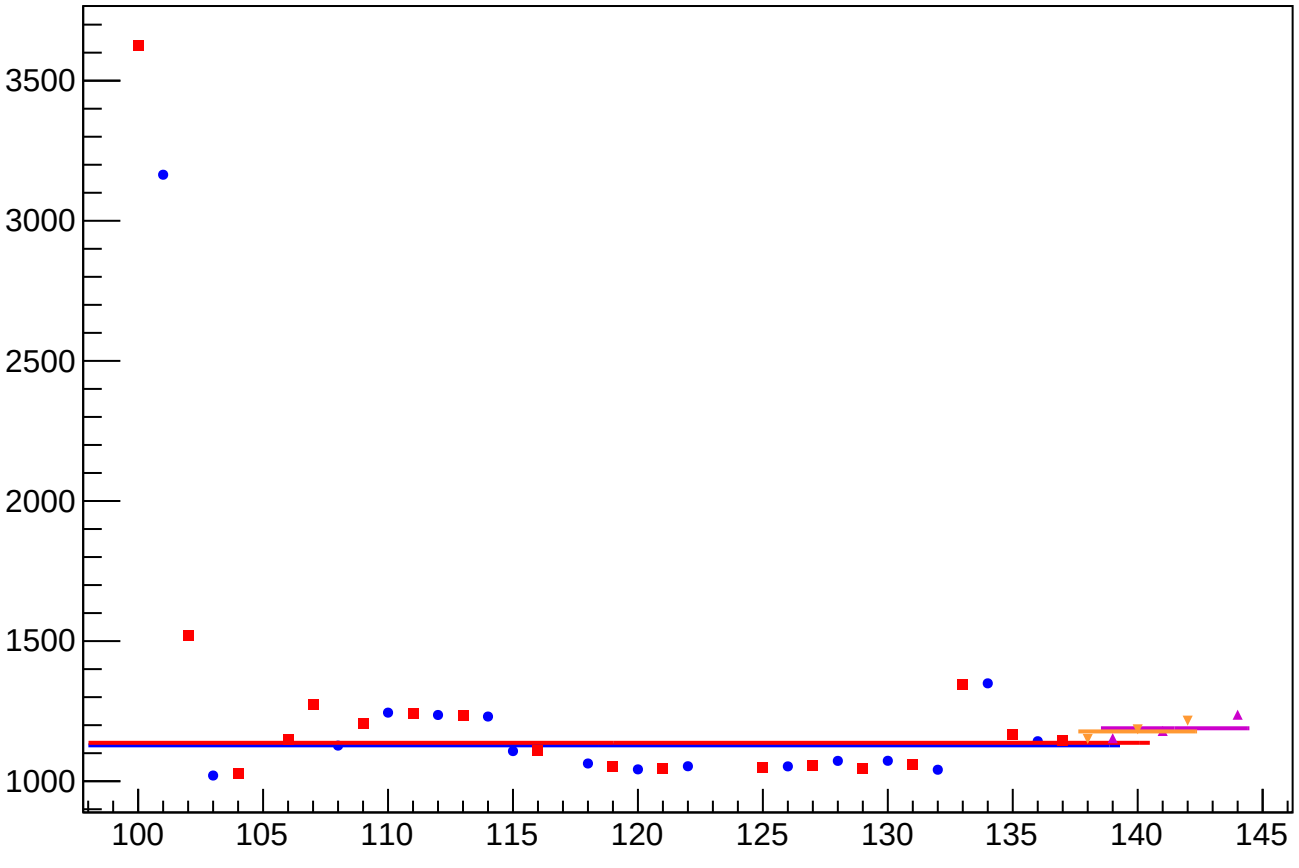
Left: -1068.719+/-546.527 χ^2/NDF: 9.4/5

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -561.099+/-370.384 χ^2/NDF:17.9/18

Out: -30.766+/-381.319 χ^2/NDF:28.7/20

All: -303.645+/-265.683 χ^2/NDF: 47.6/39



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

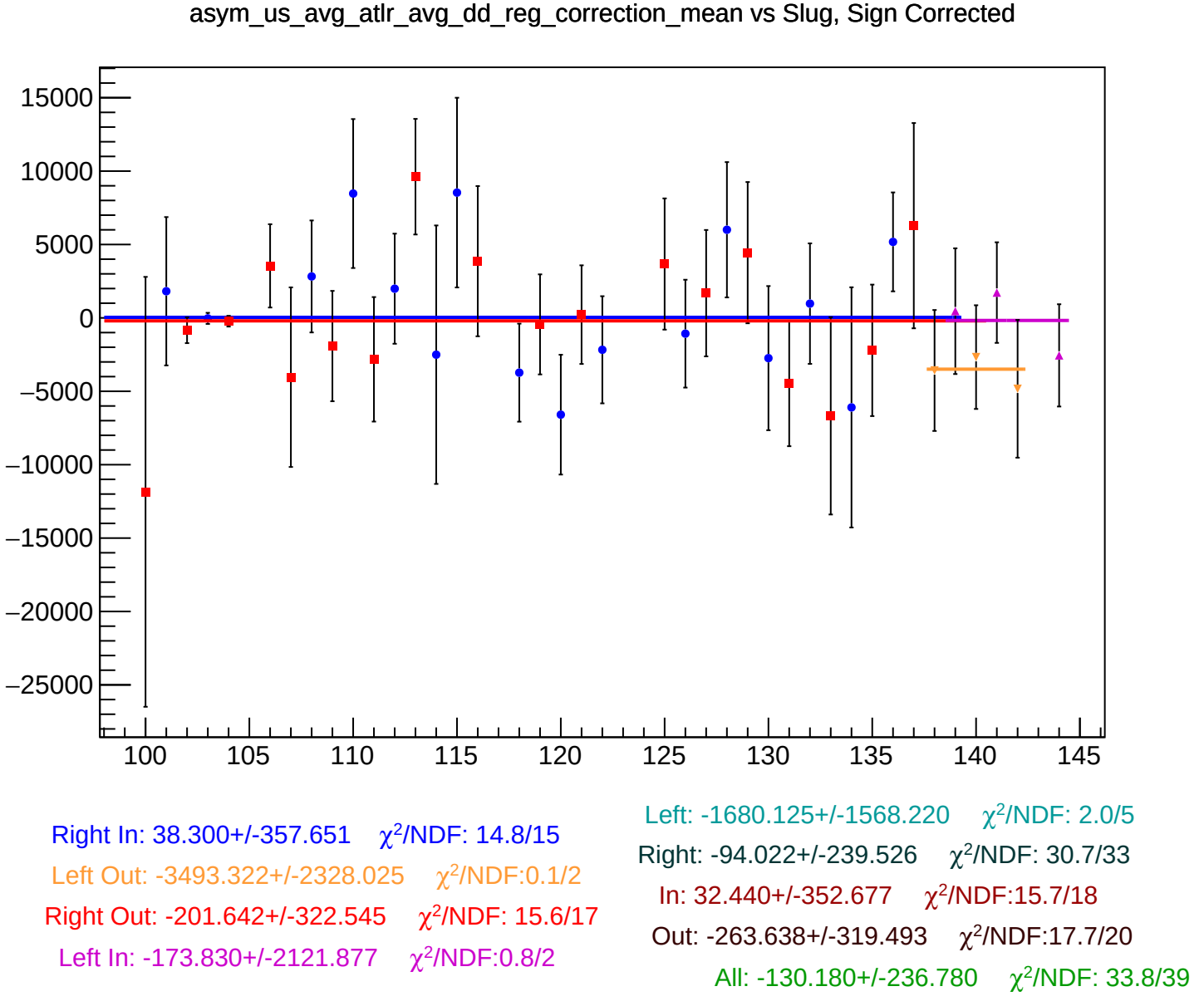
Left: 1183.899+/-0.386 χ^2/NDF: 6467.6/5

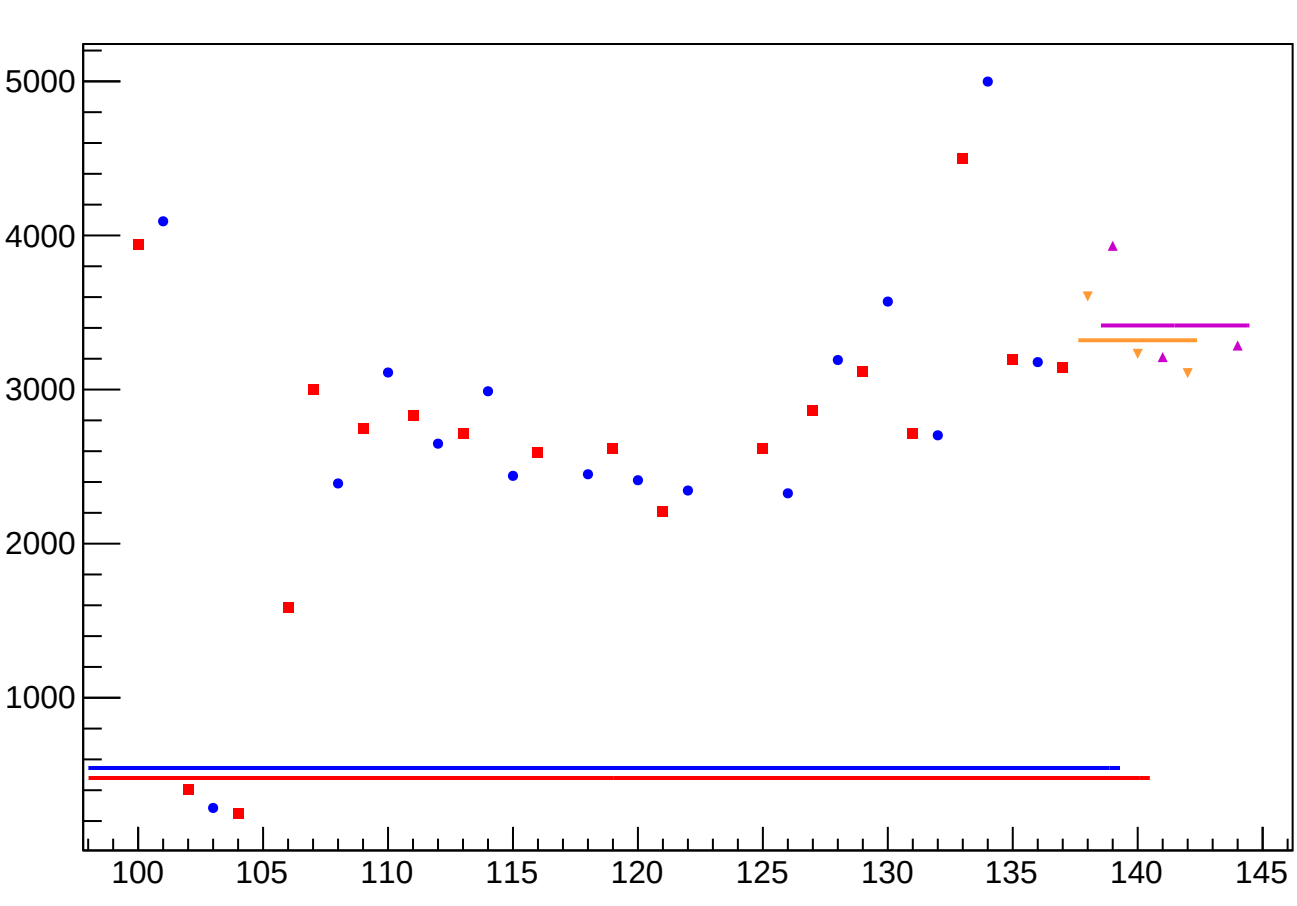
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1143.539+/-0.262 χ^2/NDF:636126.4/18

Out: 1145.808+/-0.269 χ^2/NDF:225734.6/20

All: 1144.642+/-0.188 χ^2/NDF: 861897.5/39


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 38.300+/-357.651 χ2/NDF: 14.8/15
Left Out: -3493.322+/-2328.025 χ2/NDF:0.1/2
Right Out: -201.642+/-322.545 χ2/NDF: 15.6/17
Left In: -173.830+/-2121.877 χ2/NDF:0.8/2
Left: -1680.125+/-1568.220 χ2/NDF: 2.0/5
Right: -94.022+/-239.526 χ2/NDF: 30.7/33
In: 32.440+/-352.677 χ2/NDF:15.7/18
Out: -263.638+/-319.493 χ2/NDF:17.7/20
All: -130.180+/-236.780 χ2/NDF: 33.8/39



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3319.716+/-1.646 χ^2/NDF:14905.6/2

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3415.973+/-1.500 χ^2/NDF:39117.3/2

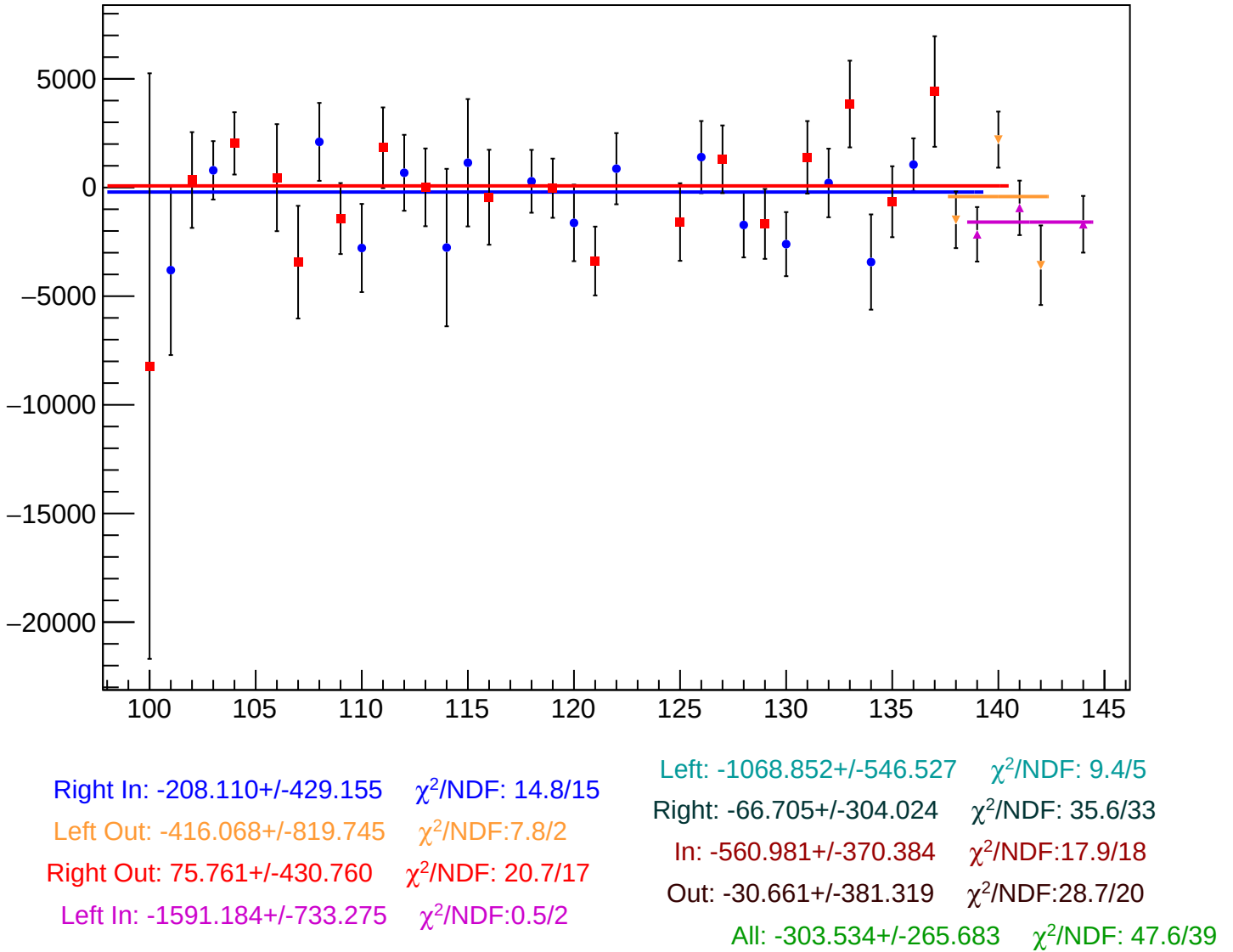
Left: 3372.294+/-1.109 χ^2/NDF: 55890.4/5

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 623.667+/-0.249 χ^2/NDF:13283987.2/18

Out: 532.750+/-0.226 χ^2/NDF:12124186.7/20

All: 573.731+/-0.167 χ^2/NDF: 25481174.5/39


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
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−15000
−20000
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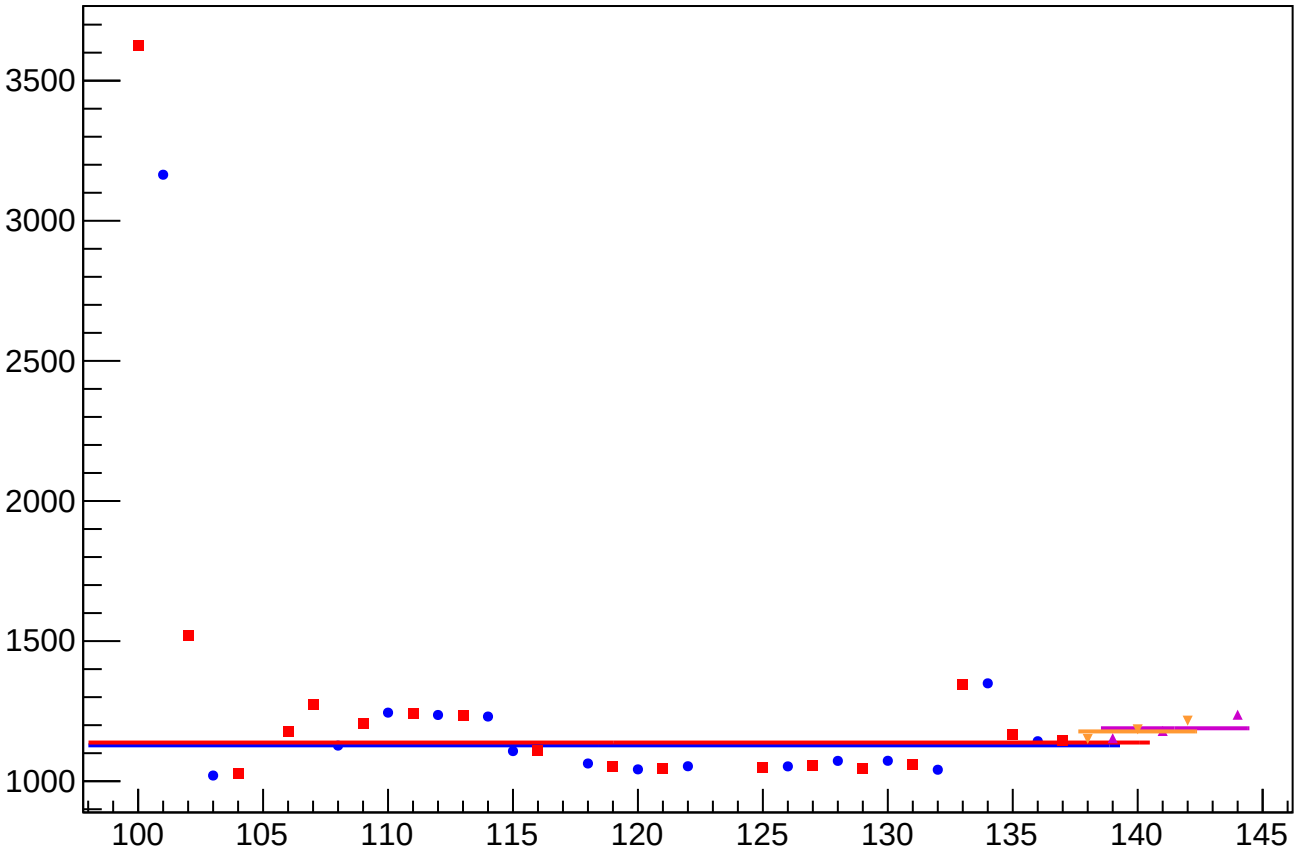
145
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: -416.068+/-819.745 χ²/NDF:7.8/2
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1591.184+/-733.275 χ²/NDF:0.5/2
Left: -1068.852+/-546.527 χ²/NDF: 9.4/5
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -560.981+/-370.384 χ²/NDF:17.9/18
Out: -30.661+/-381.319 χ²/NDF:28.7/20
All: -303.534+/-265.683 χ²/NDF: 47.6/39



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

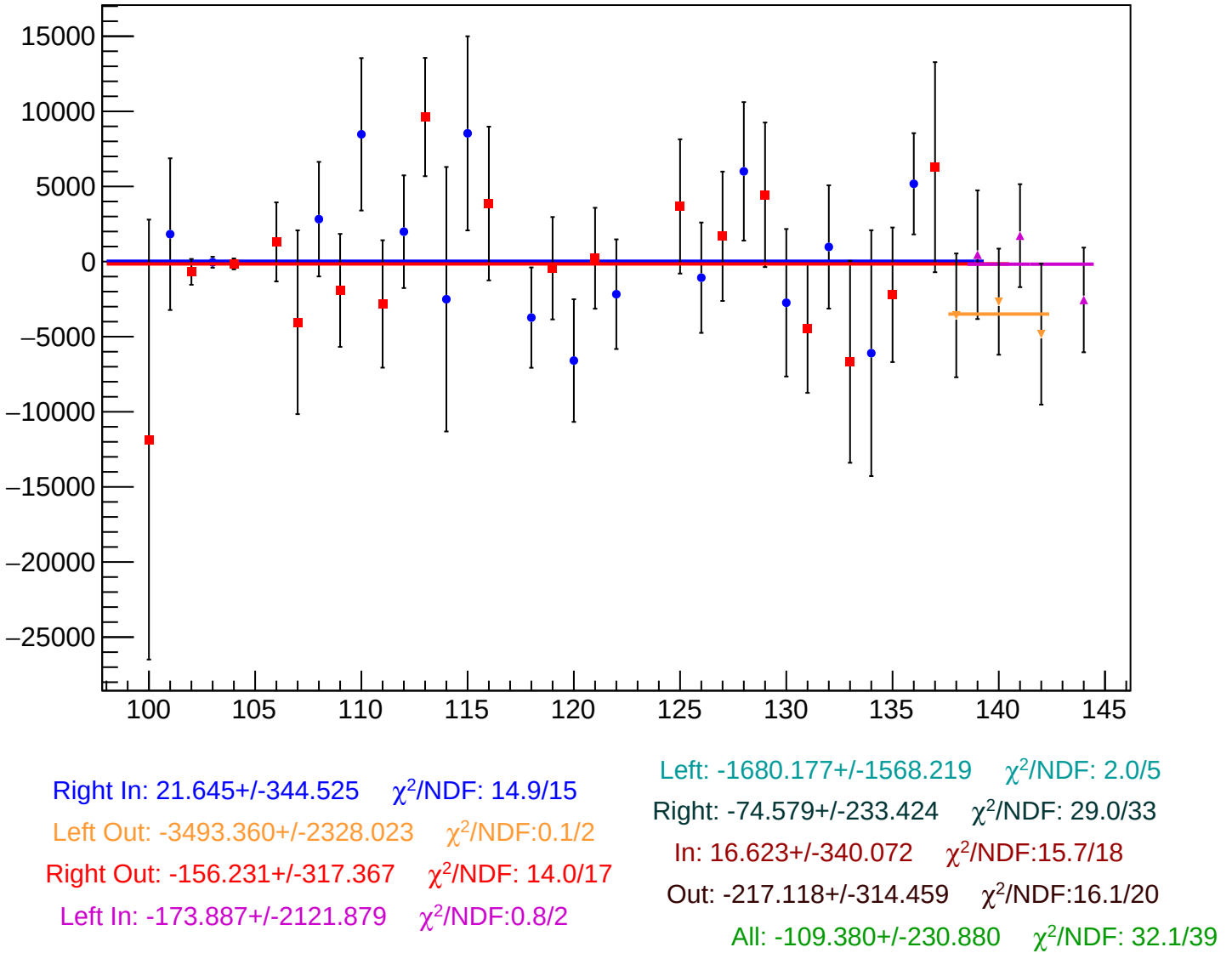
Left: 1183.899+/-0.386 χ^2/NDF: 6467.6/5

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1143.539+/-0.262 χ^2/NDF:636127.6/18

Out: 1146.576+/-0.270 χ^2/NDF:226091.3/20

All: 1145.014+/-0.188 χ^2/NDF: 862284.2/39


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
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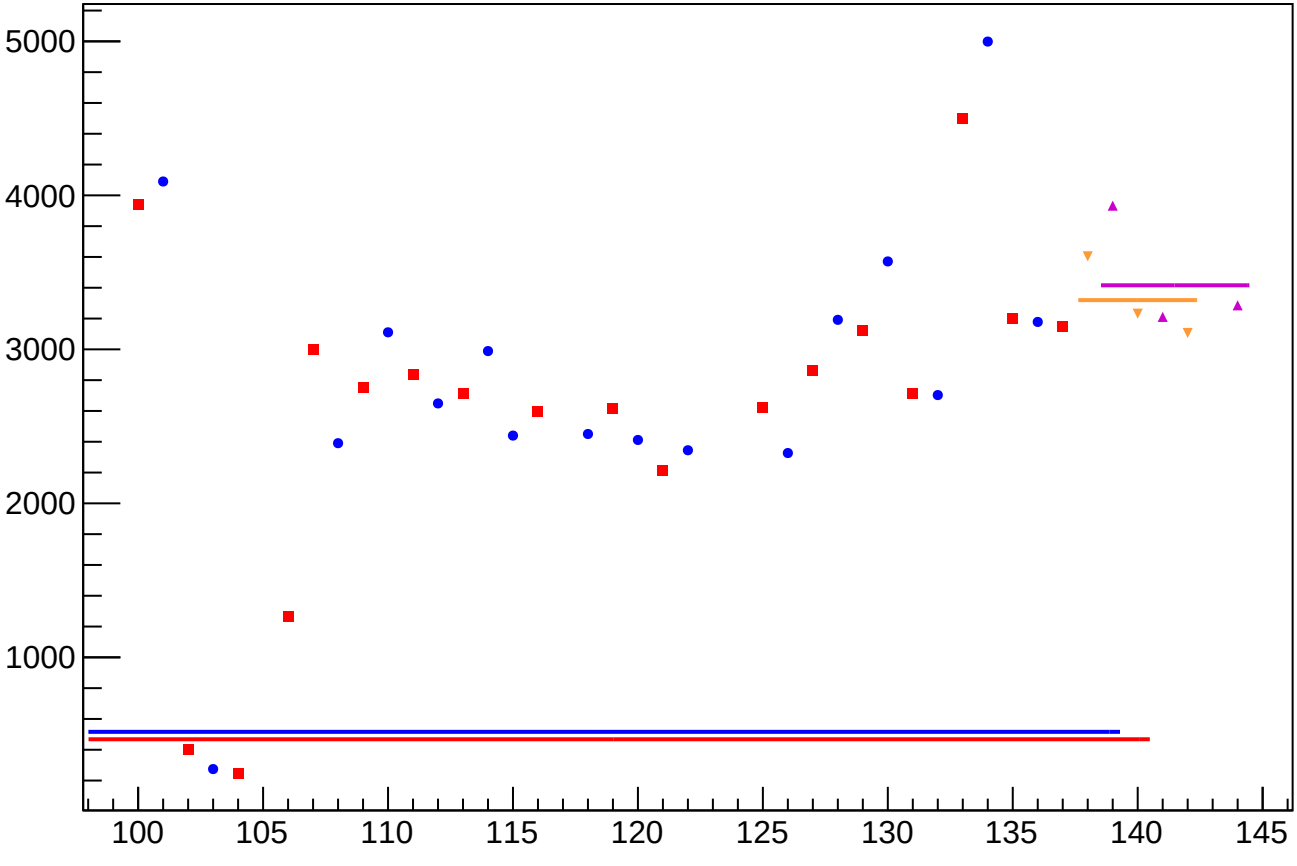
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -3493.360+/-2328.023 χ²/NDF:0.1/2
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -173.887+/-2121.879 χ²/NDF:0.8/2
Left: -1680.177+/-1568.219 χ²/NDF: 2.0/5
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: 16.623+/-340.072 χ²/NDF:15.7/18
Out: -217.118+/-314.459 χ²/NDF:16.1/20
All: -109.380+/-230.880 χ²/NDF: 32.1/39

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3415.973+/-1.500 χ^2/NDF:39117.9/2

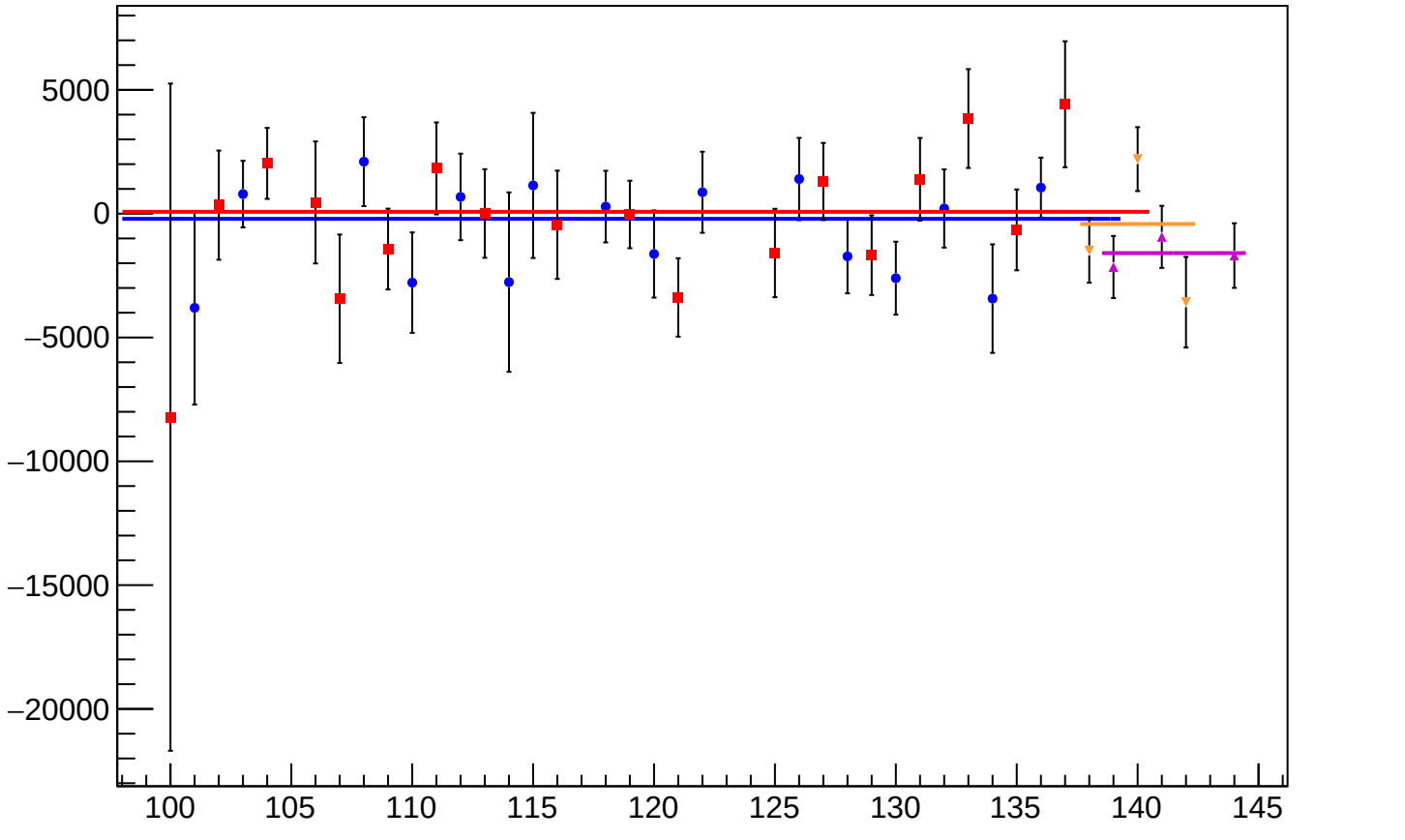
Left: 3372.293+/-1.109 χ^2/NDF: 55890.8/5

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 590.778+/-0.240 χ^2/NDF:13512828.5/18

Out: 520.089+/-0.222 χ^2/NDF:12072256.3/20

All: 552.672+/-0.163 χ^2/NDF: 25631669.6/39



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.068+/-819.745 χ^2/NDF:7.8/2

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1591.184+/-733.275 χ^2/NDF:0.5/2

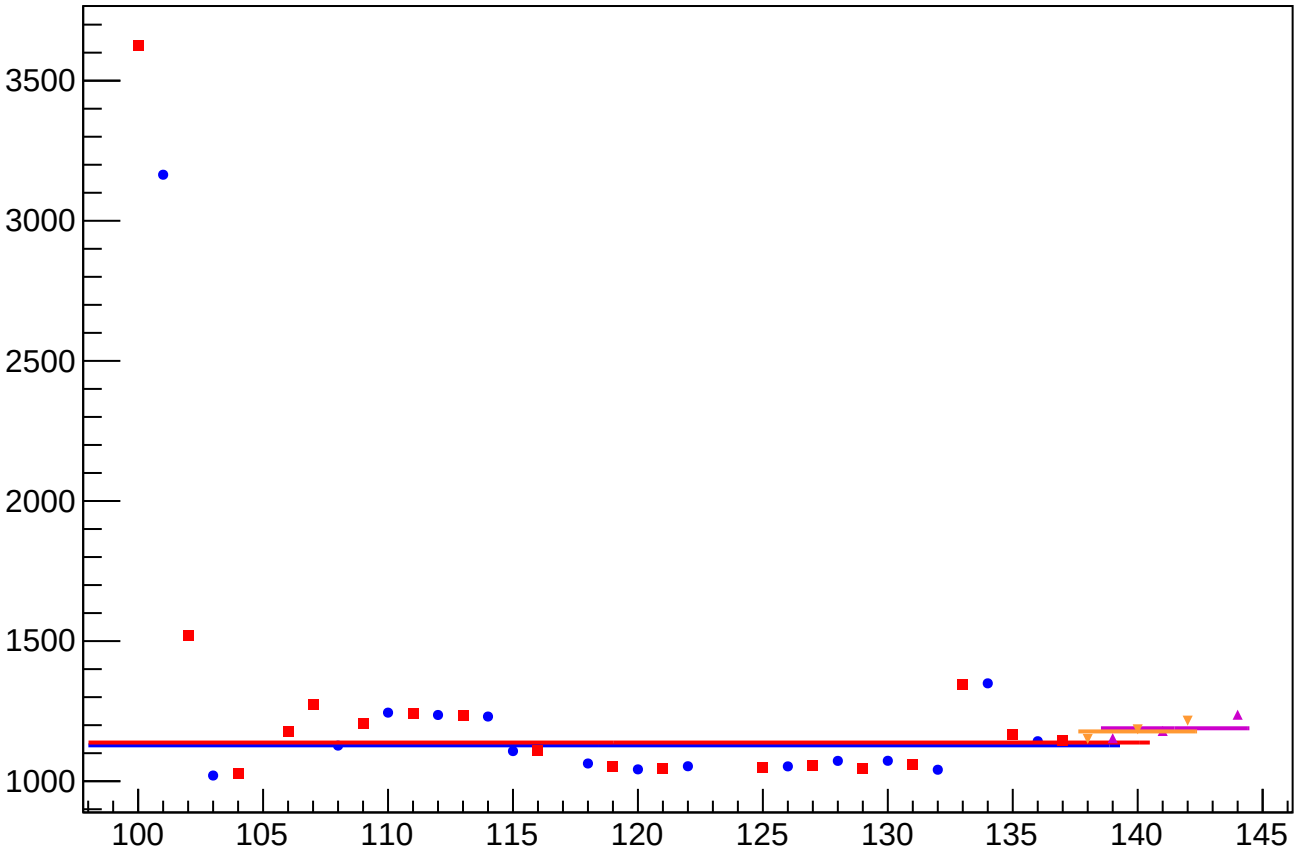
Left: -1068.852+/-546.527 χ^2/NDF: 9.4/5

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -560.981+/-370.384 χ^2/NDF:17.9/18

Out: -30.661+/-381.319 χ^2/NDF:28.7/20

All: -303.534+/-265.683 χ^2/NDF: 47.6/39



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1188.883+/-0.519 χ^2/NDF:4464.5/2

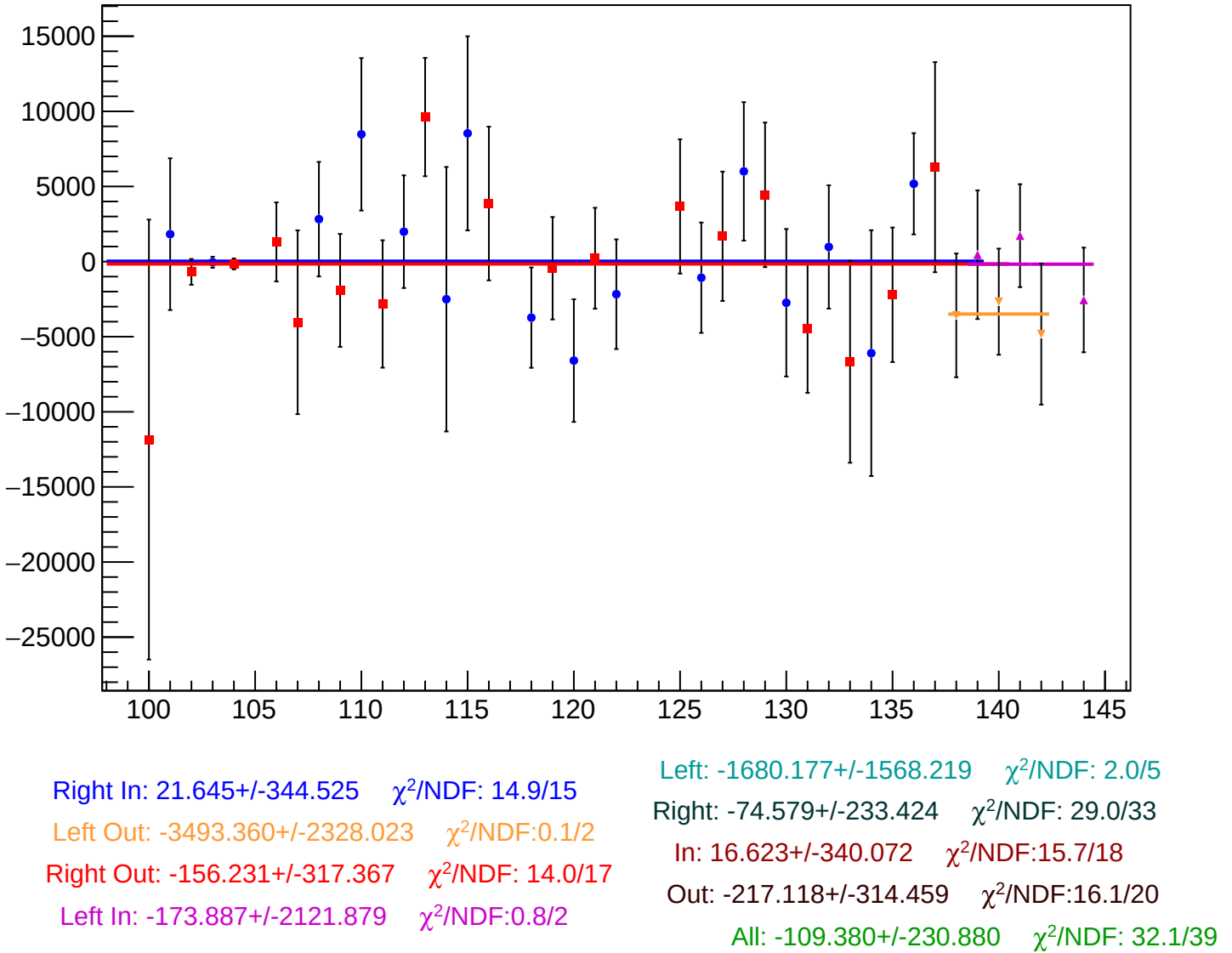
Left: 1183.899+/-0.386 χ^2/NDF: 6467.6/5

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1143.539+/-0.262 χ^2/NDF:636127.6/18

Out: 1146.576+/-0.270 χ^2/NDF:226091.3/20

All: 1145.014+/-0.188 χ^2/NDF: 862284.2/39


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
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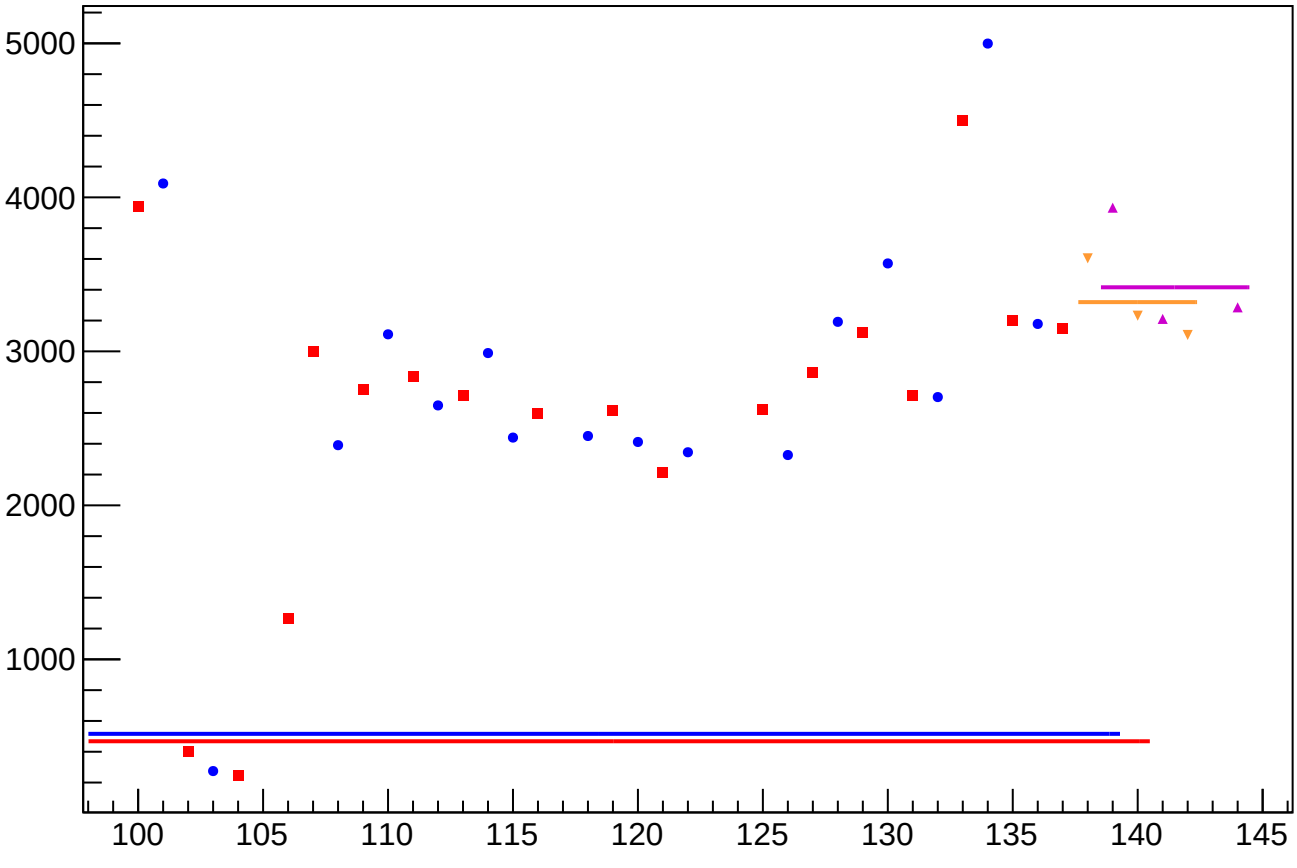
125
130
135
140
145
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -3493.360+/-2328.023 χ²/NDF:0.1/2
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -173.887+/-2121.879 χ²/NDF:0.8/2
Left: -1680.177+/-1568.219 χ²/NDF: 2.0/5
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: 16.623+/-340.072 χ²/NDF:15.7/18
Out: -217.118+/-314.459 χ²/NDF:16.1/20
All: -109.380+/-230.880 χ²/NDF: 32.1/39



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3415.973+/-1.500 χ^2/NDF:39117.9/2

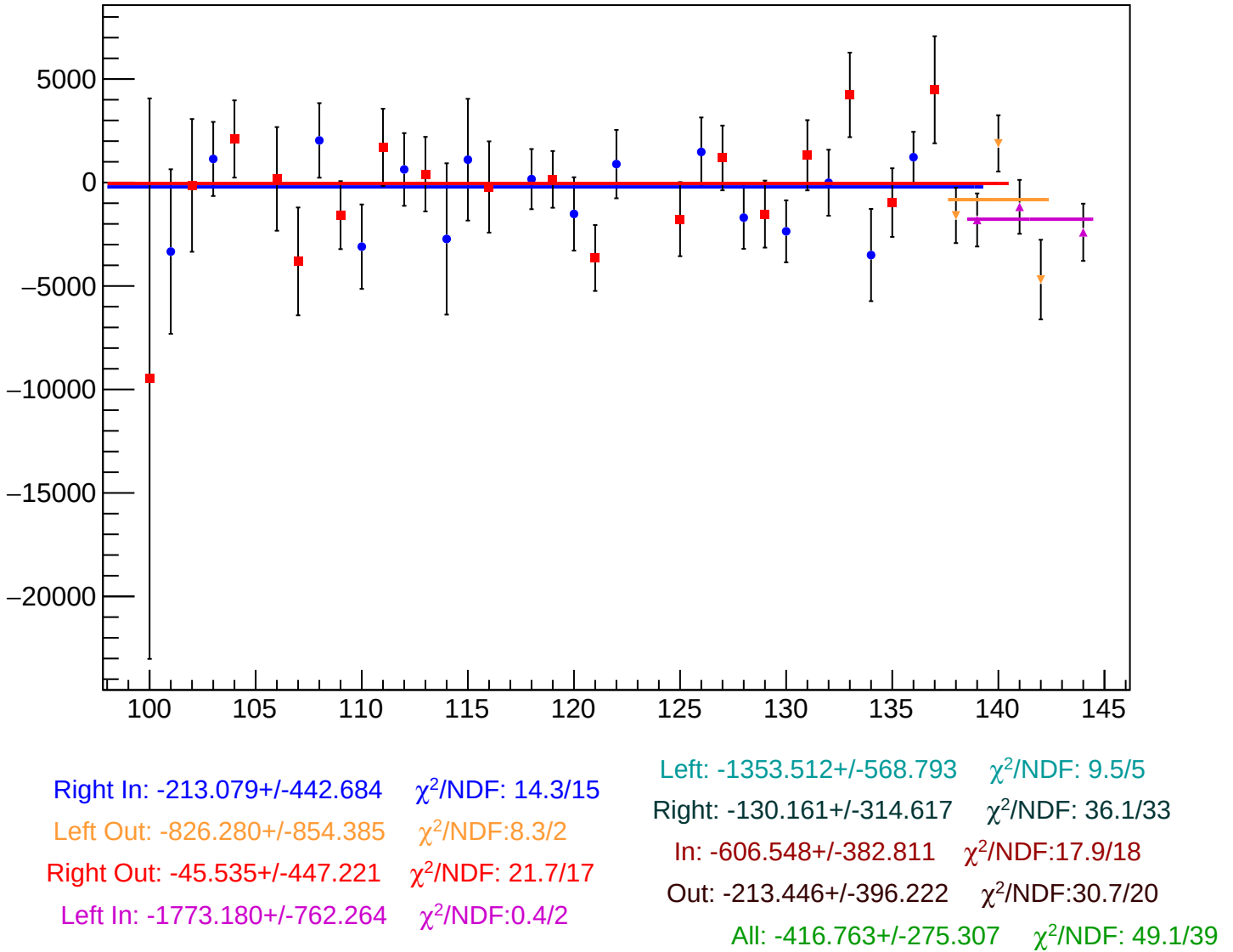
Left: 3372.293+/-1.109 χ^2/NDF: 55890.8/5

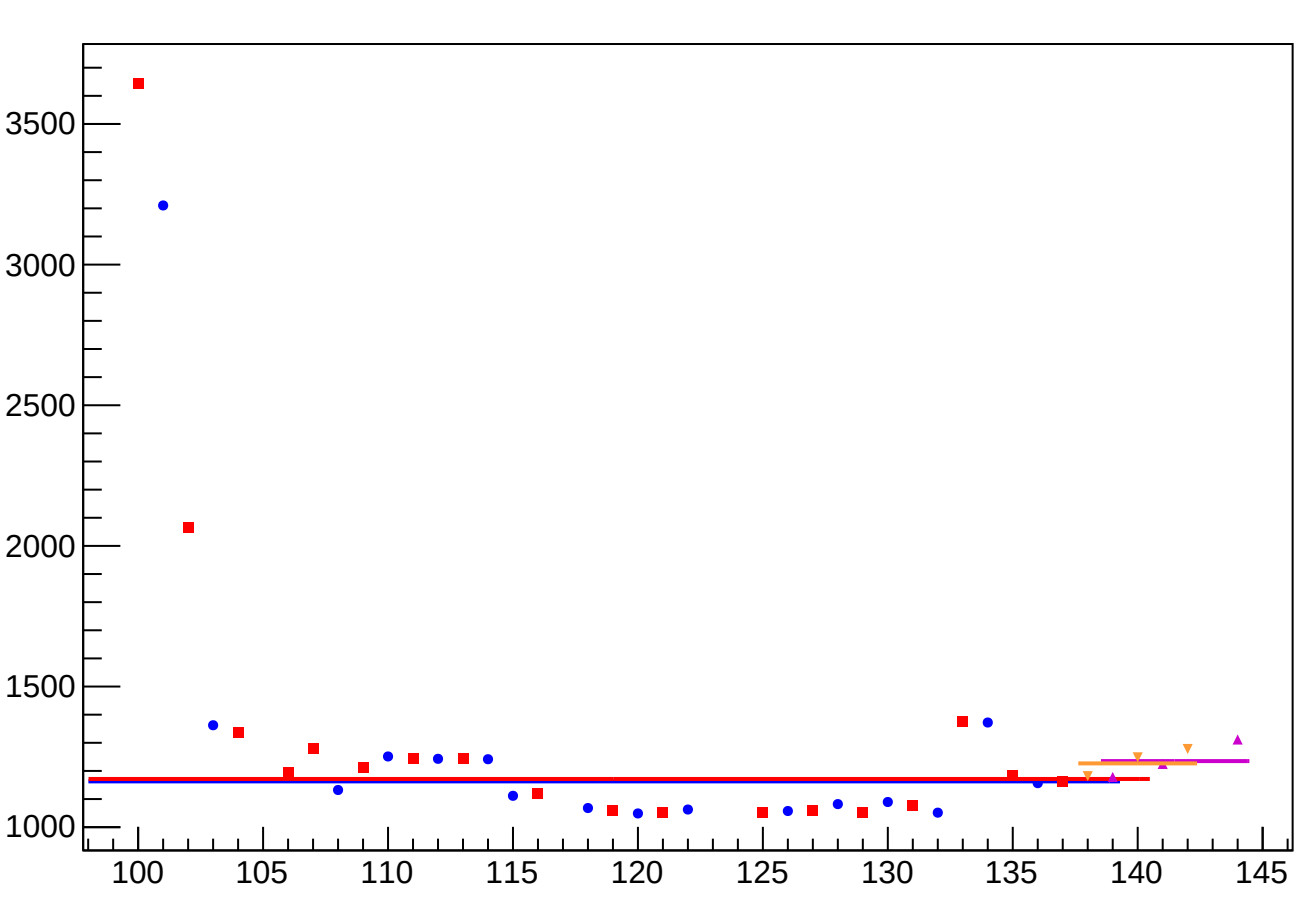
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 590.778+/-0.240 χ^2/NDF:13512828.5/18

Out: 520.089+/-0.222 χ^2/NDF:12072256.3/20

All: 552.672+/-0.163 χ^2/NDF: 25631669.6/39


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: -826.280+/-854.385 χ²/NDF:8.3/2
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -1773.180+/-762.264 χ²/NDF:0.4/2
Left: -1353.512+/-568.793 χ²/NDF: 9.5/5
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -606.548+/-382.811 χ²/NDF:17.9/18
Out: -213.446+/-396.222 χ²/NDF:30.7/20
All: -416.763+/-275.307 χ²/NDF: 49.1/39



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1226.798+/-0.604 χ^2/NDF:4223.3/2

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1234.975+/-0.539 χ^2/NDF:10140.8/2

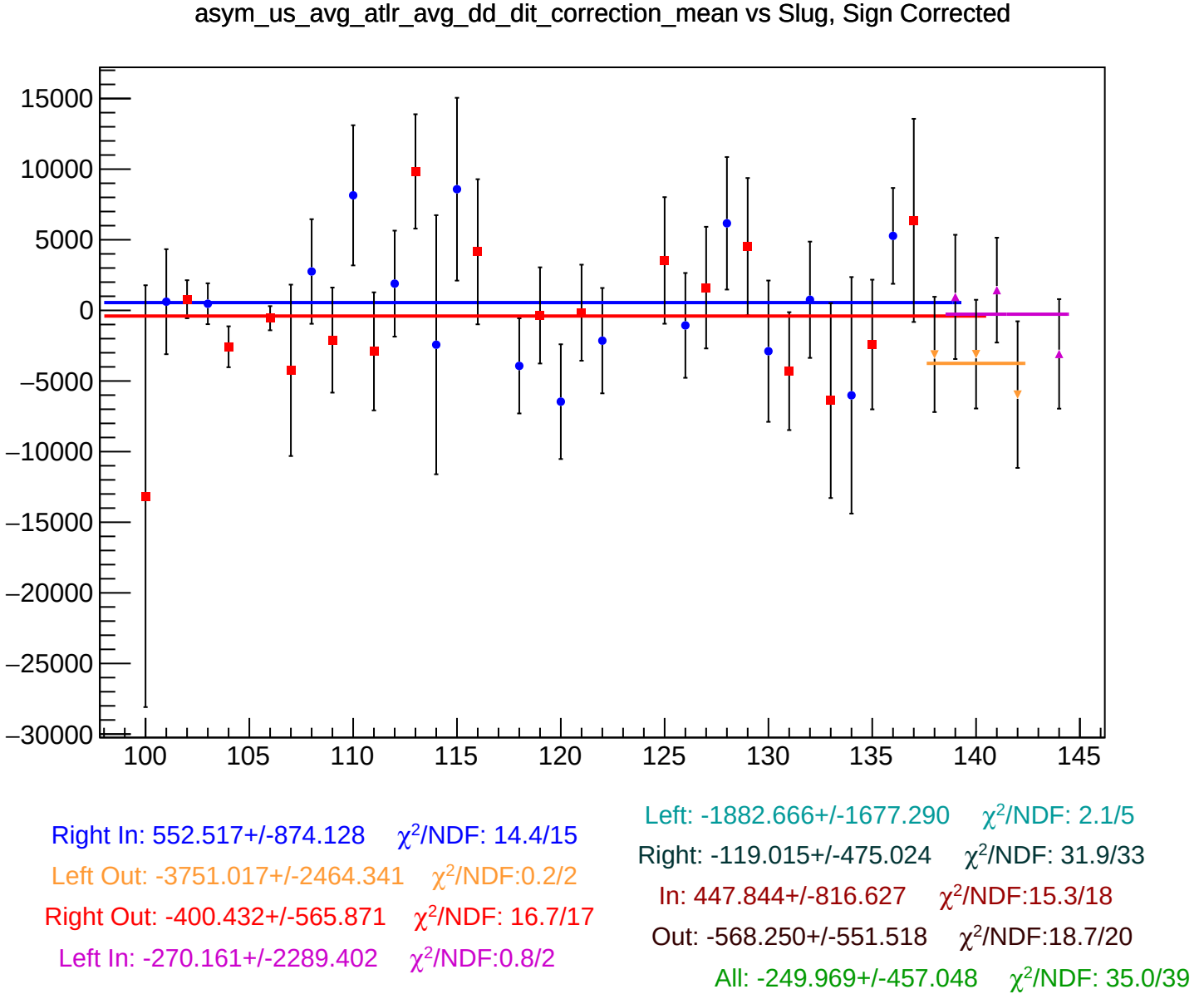
Left: 1231.351+/-0.402 χ^2/NDF: 14466.1/5

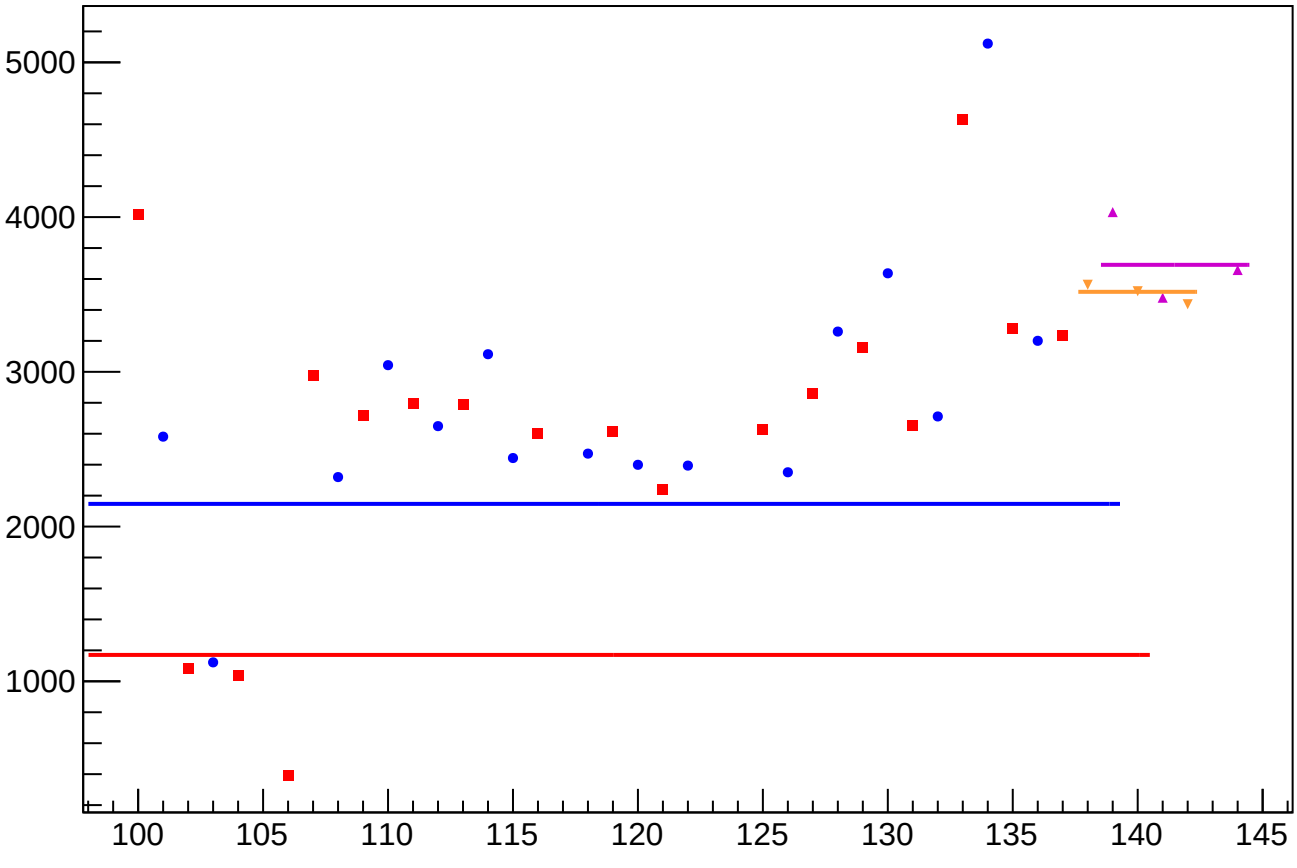
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1181.042+/-0.271 χ^2/NDF:658883.5/18

Out: 1183.321+/-0.280 χ^2/NDF:342460.6/20

All: 1182.143+/-0.195 χ^2/NDF: 1001378.4/39


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -3751.017+/-2464.341 χ²/NDF:0.2/2
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -270.161+/-2289.402 χ²/NDF:0.8/2
Left: -1882.666+/-1677.290 χ²/NDF: 2.1/5
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 447.844+/-816.627 χ²/NDF:15.3/18
Out: -568.250+/-551.518 χ²/NDF:18.7/20
All: -249.969+/-457.048 χ²/NDF: 35.0/39



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3517.098+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3691.509+/-1.619 χ^2/NDF:18706.8/2

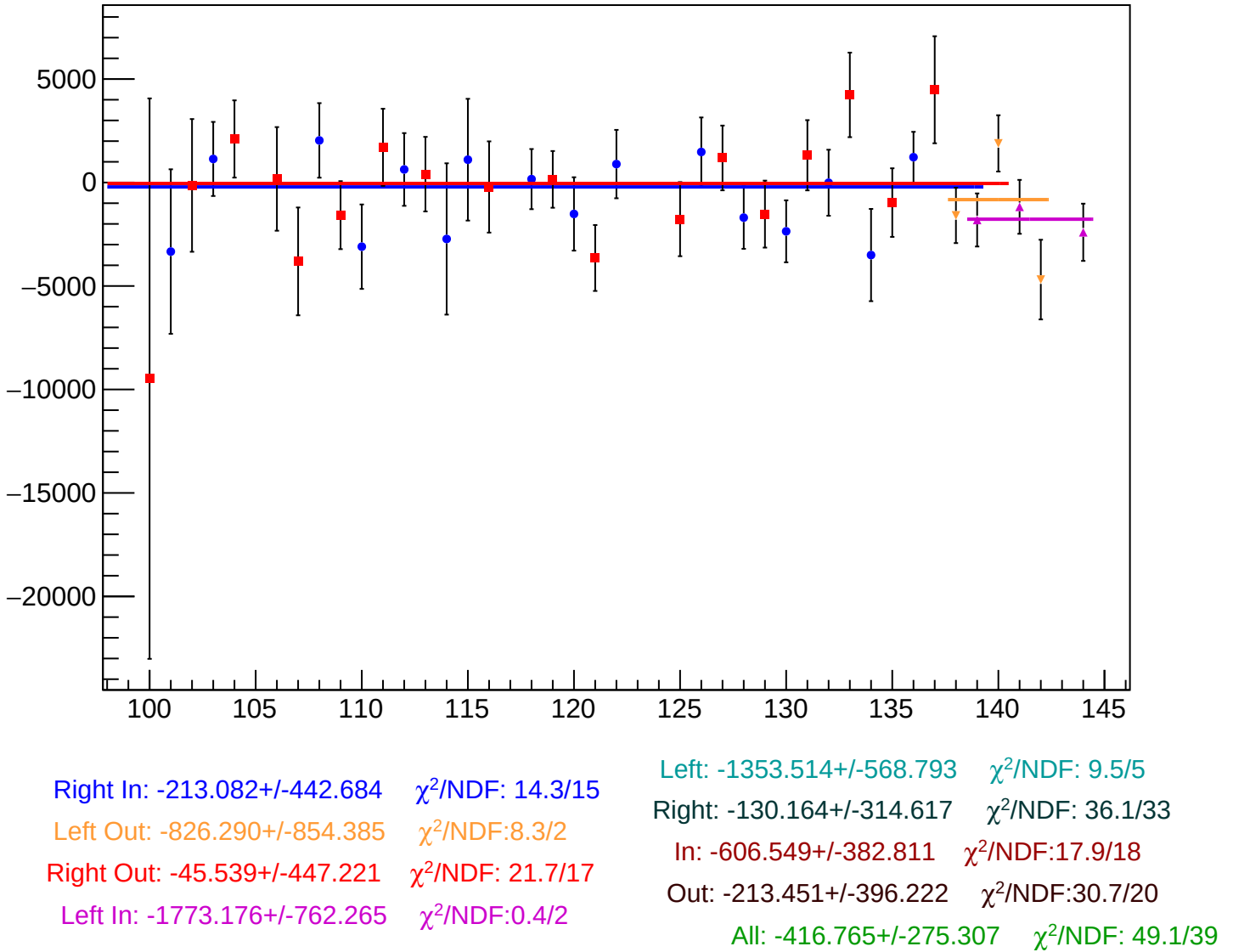
Left: 3610.713+/-1.186 χ^2/NDF: 24815.6/5

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2343.179+/-0.577 χ^2/NDF:2788271.4/18

Out: 1288.102+/-0.390 χ^2/NDF:7540725.5/20

All: 1618.594+/-0.323 χ^2/NDF: 12621745.0/3


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
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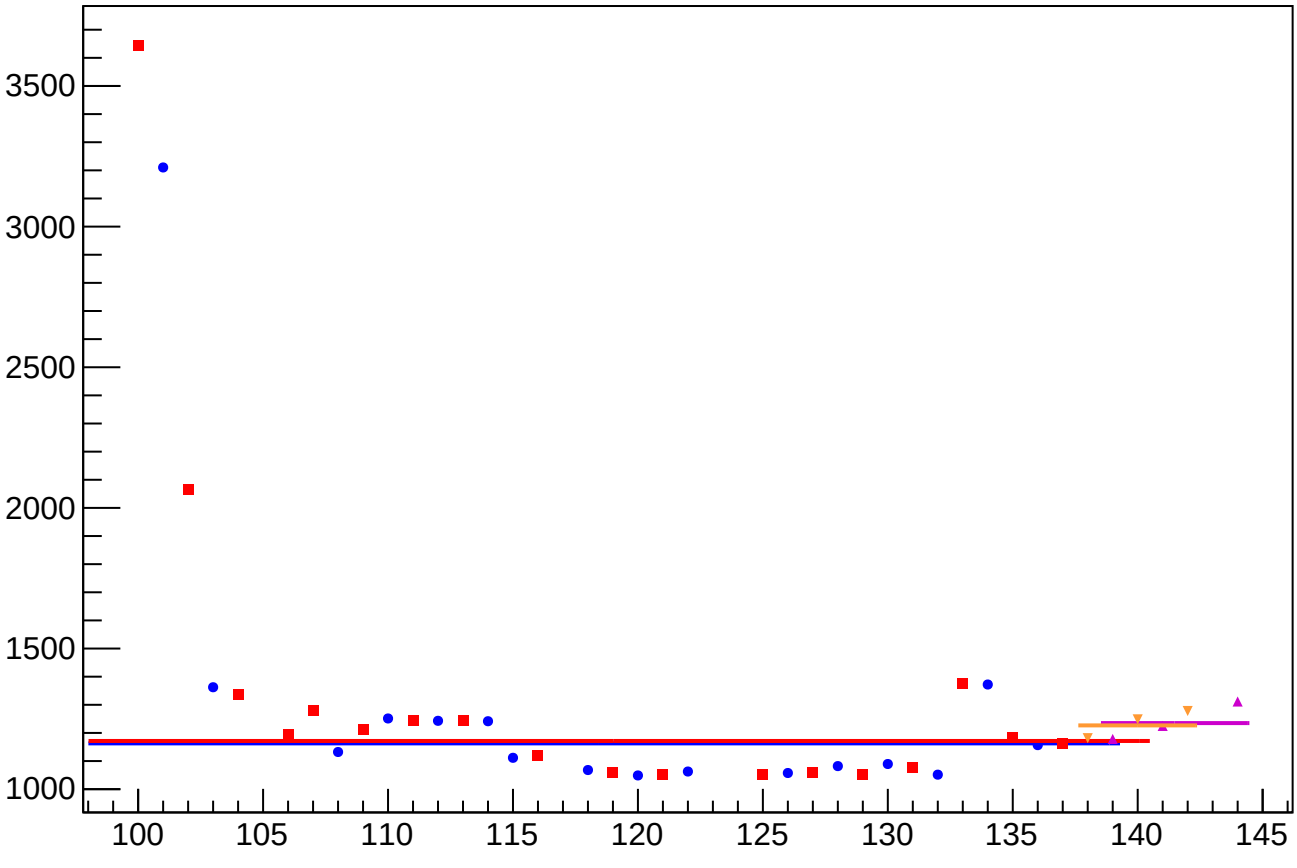
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: -826.290+/-854.385 χ²/NDF:8.3/2
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -1773.176+/-762.265 χ²/NDF:0.4/2
Left: -1353.514+/-568.793 χ²/NDF: 9.5/5
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -606.549+/-382.811 χ²/NDF:17.9/18
Out: -213.451+/-396.222 χ²/NDF:30.7/20
All: -416.765+/-275.307 χ²/NDF: 49.1/39



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1226.799+/-0.604 χ^2/NDF:4223.4/2

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1234.976+/-0.539 χ^2/NDF:10140.8/2

Left: 1231.352+/-0.402 χ^2/NDF: 14466.2/5

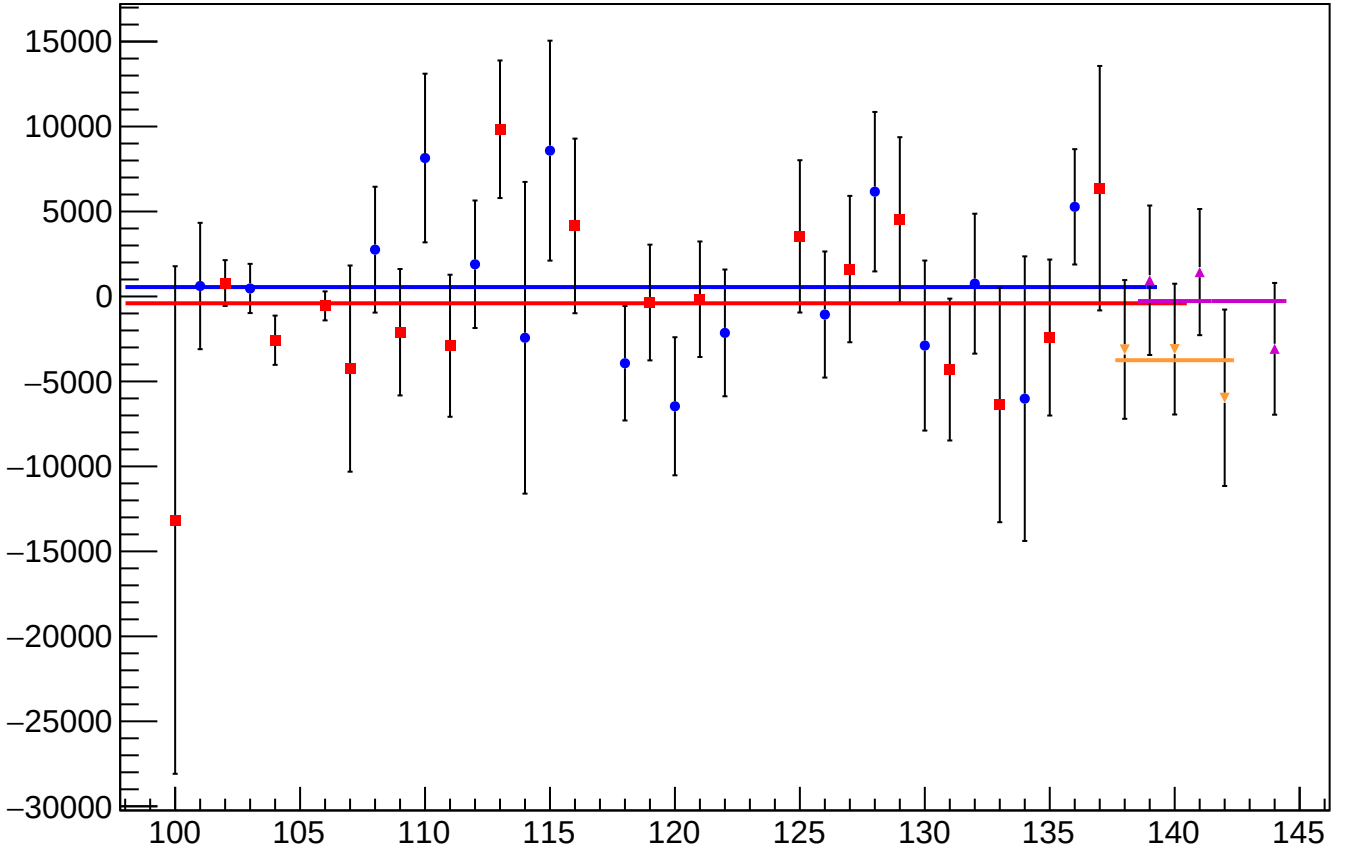
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1181.042+/-0.271 χ^2/NDF:658884.1/18

Out: 1183.321+/-0.280 χ^2/NDF:342460.4/20

All: 1182.143+/-0.195 χ^2/NDF: 1001378.8/39

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3751.031+/-2464.344 χ^2/NDF:0.2/2

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -270.157+/-2289.405 χ^2/NDF:0.8/2

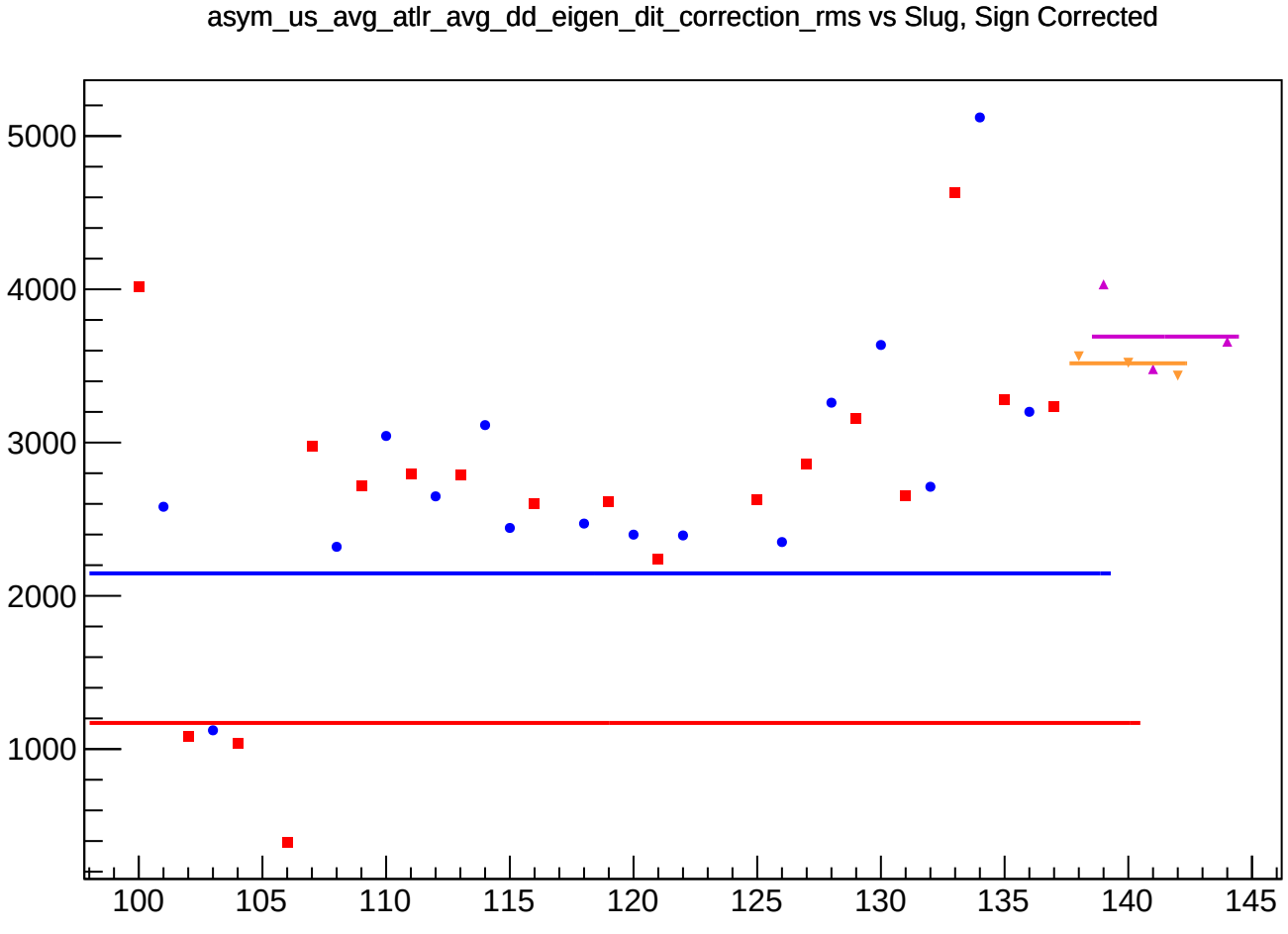
Left: -1882.670+/-1677.293 χ^2/NDF: 2.1/5

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 447.839+/-816.626 χ^2/NDF:15.3/18

Out: -568.247+/-551.511 χ^2/NDF:18.7/20

All: -249.973+/-457.045 χ^2/NDF: 35.0/39



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3517.103+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3691.513+/-1.619 χ^2/NDF:18707.4/2

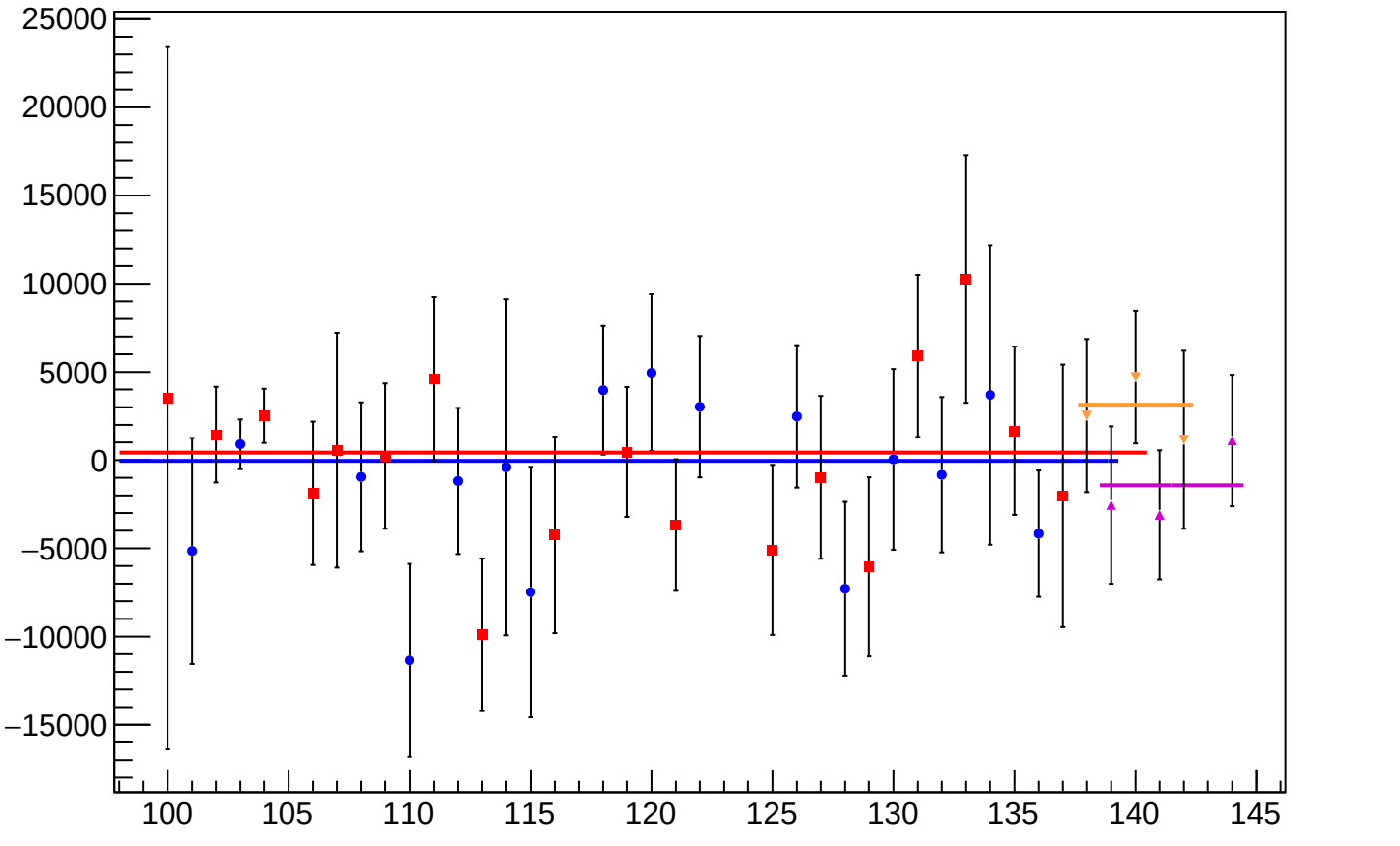
Left: 3610.718+/-1.186 χ^2/NDF: 24816.1/5

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2343.176+/-0.577 χ^2/NDF:2788274.2/18

Out: 1288.077+/-0.390 χ^2/NDF:7540890.8/20

All: 1618.571+/-0.323 χ^2/NDF: 12622027.3/3



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3141.316+/-2476.723 χ^2/NDF:0.3/2

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -1422.105+/-2253.412 χ^2/NDF:0.7/2

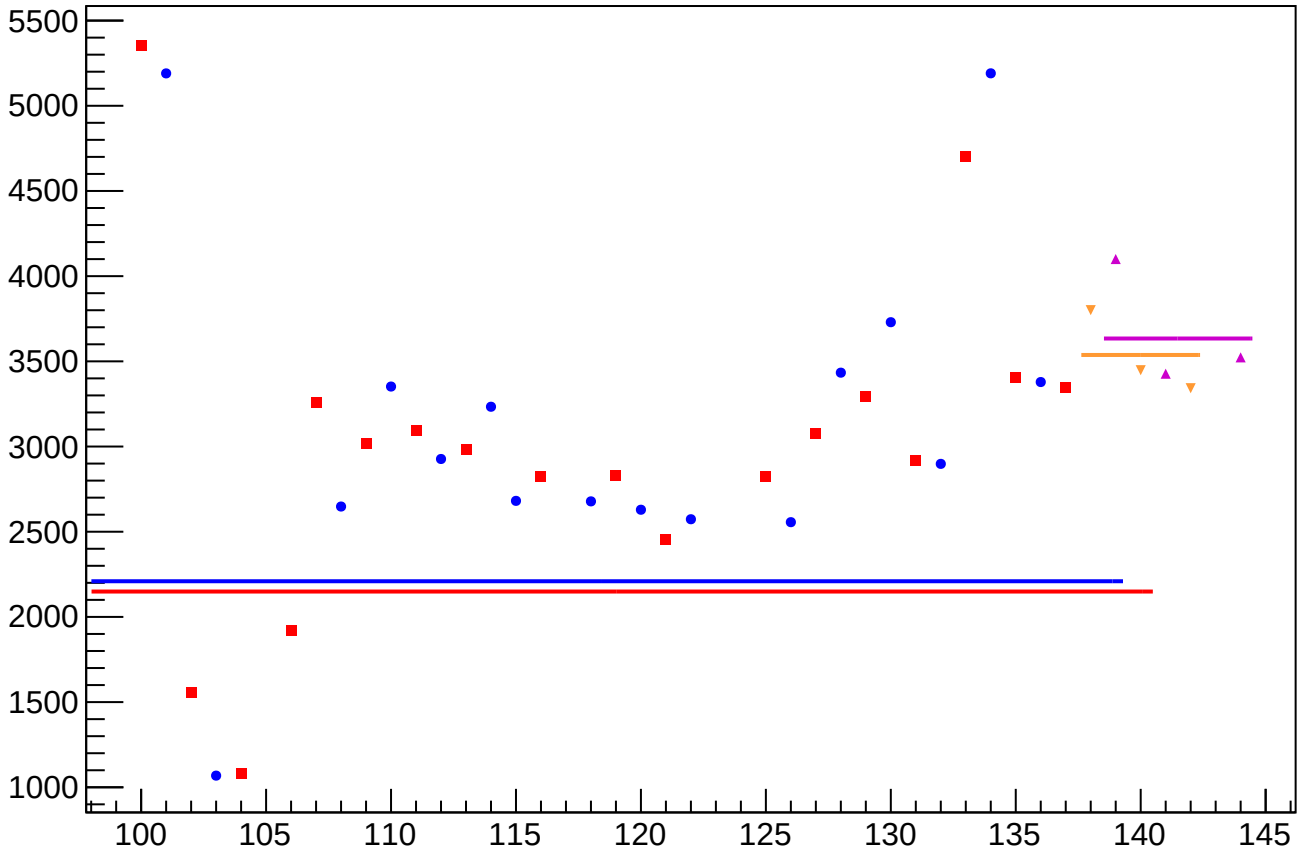
Left: 644.645+/-1666.772 χ^2/NDF: 2.9/5

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -241.909+/-852.332 χ^2/NDF:14.8/18

Out: 738.469+/-843.171 χ^2/NDF:18.8/20

All: 253.577+/-599.425 χ^2/NDF: 34.2/39



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3537.441+/-1.751 χ^2/NDF:11482.5/2

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3634.009+/-1.593 χ^2/NDF:29990.0/2

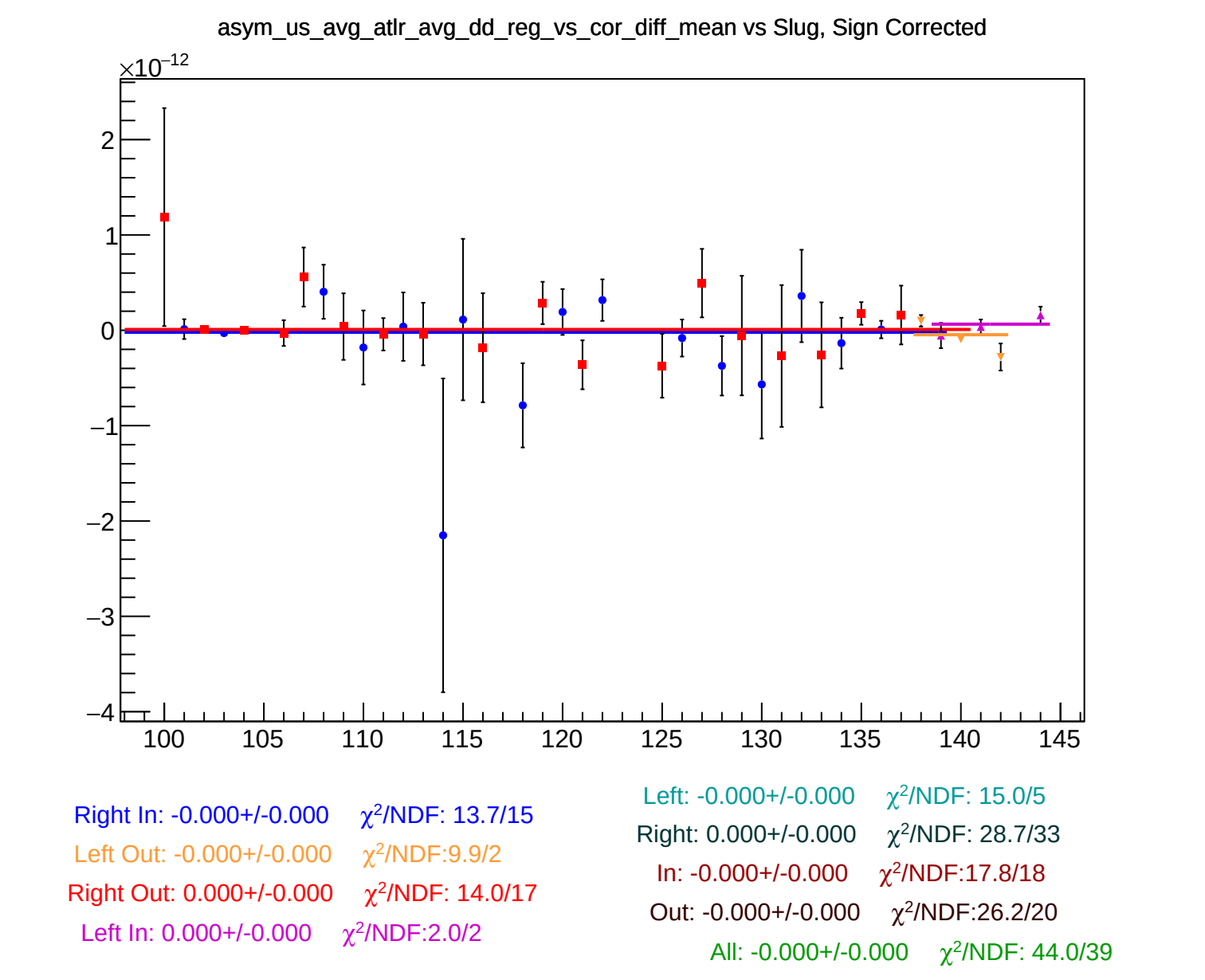
Left: 3590.274+/-1.179 χ^2/NDF: 43136.0/5

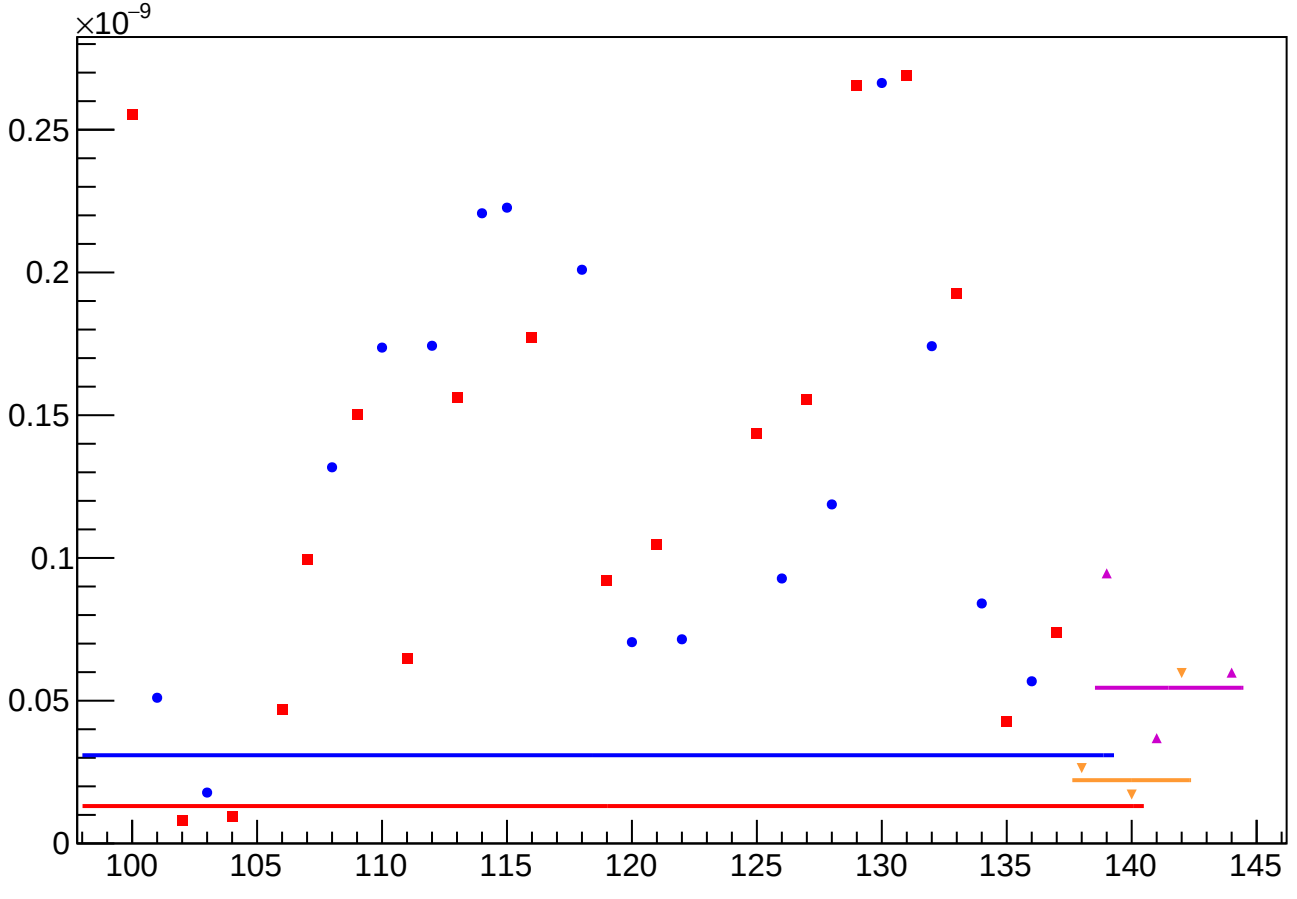
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2413.169+/-0.603 χ^2/NDF:3551910.3/18

Out: 2309.192+/-0.595 χ^2/NDF:2837182.8/20

All: 2360.508+/-0.423 χ^2/NDF: 6404167.2/39


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:9.9/2
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:2.0/2
Left: -0.000+/-0.000 χ²/NDF: 15.0/5
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:17.8/18
Out: -0.000+/-0.000 χ²/NDF:26.2/20
All: -0.000+/-0.000 χ²/NDF: 44.0/39



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:180092.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:293576.3/2

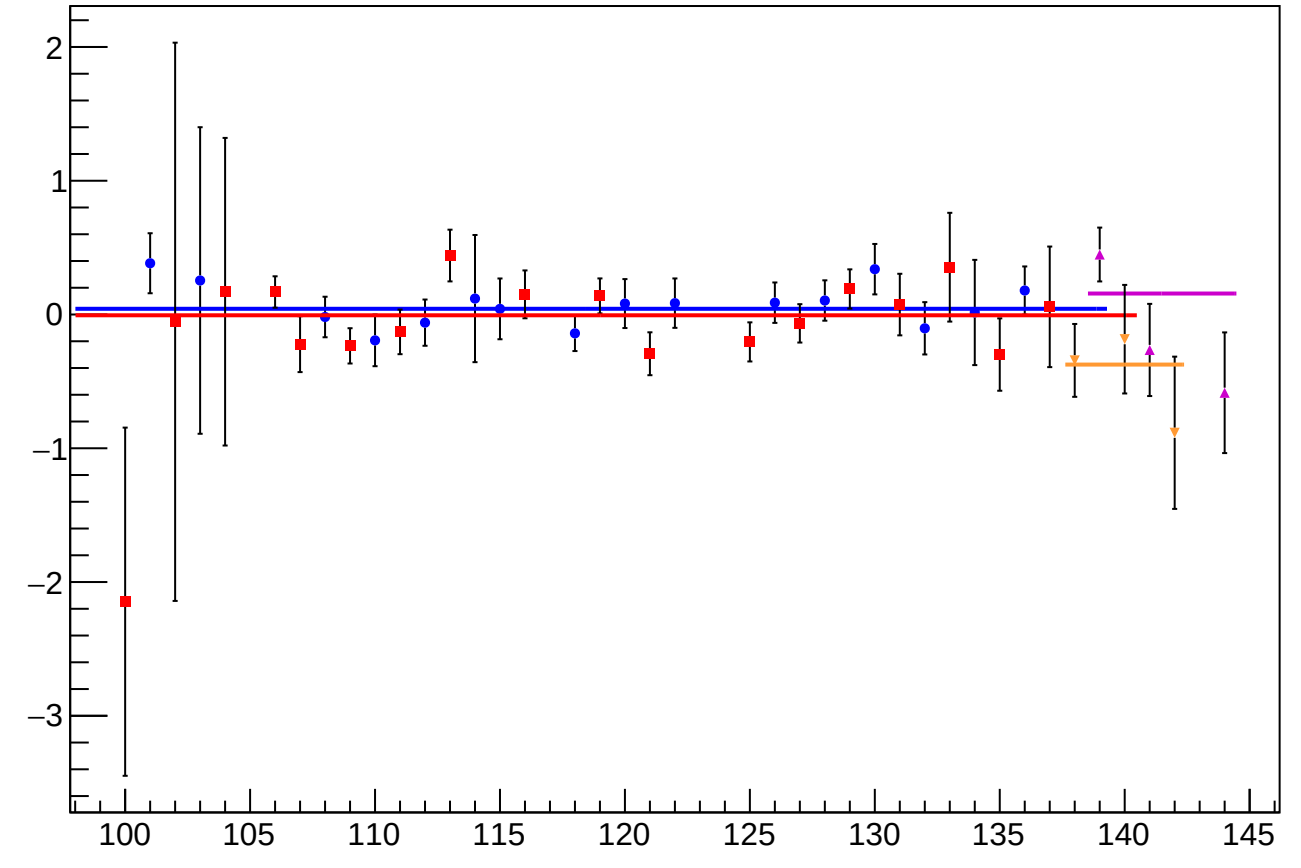
Left: 0.000+/-0.000 χ^2/NDF: 1002513.8/5

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3608692.3/18

Out: 0.000+/-0.000 χ^2/NDF:3965284.8/20

All: 0.000+/-0.000 χ^2/NDF: 8763908.5/39



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.374+/-0.210 χ^2/NDF:1.0/2

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.162 χ^2/NDF:6.3/2

Left: -0.041+/-0.128 χ^2/NDF: 11.3/5

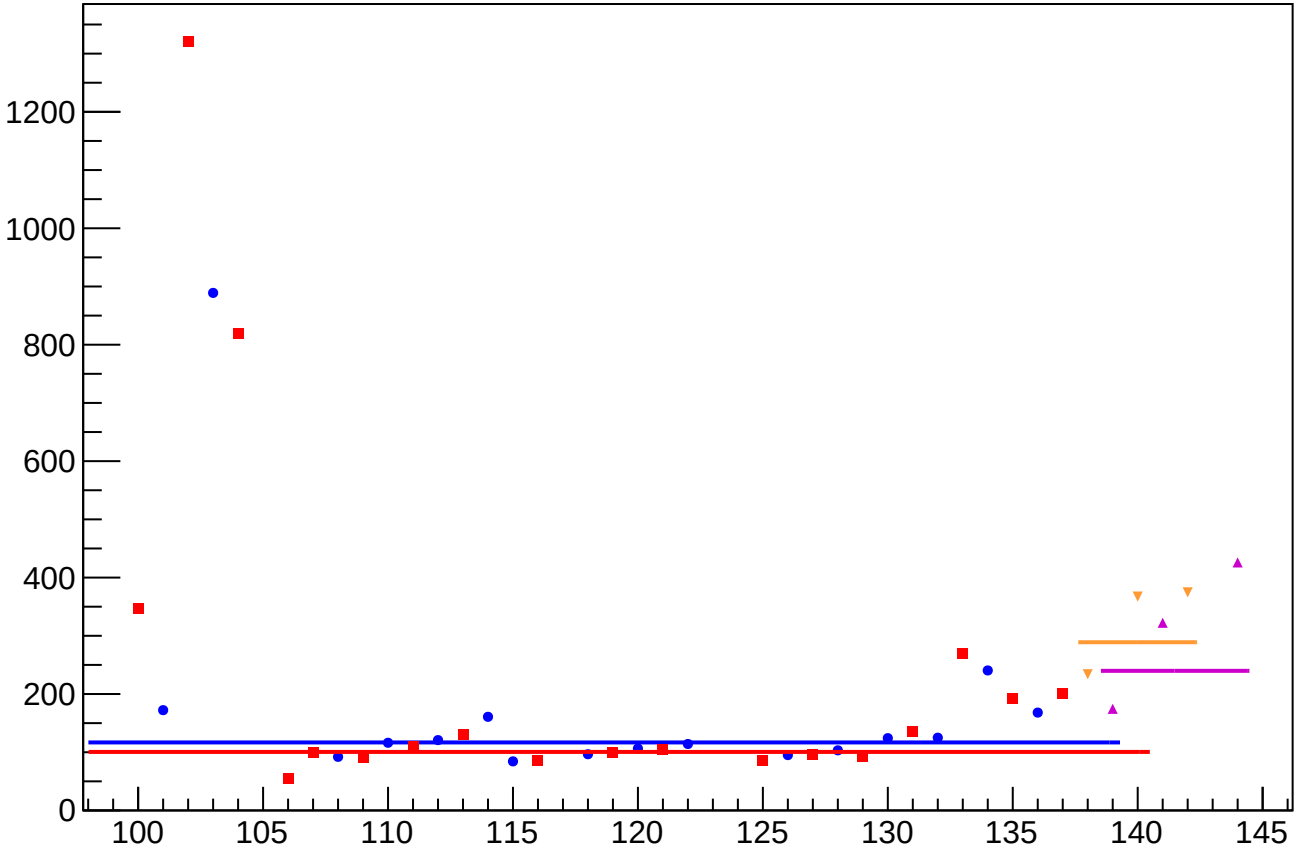
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.046 χ^2/NDF:17.0/18

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.013+/-0.031 χ^2/NDF: 48.4/39

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.935+/-0.149 χ^2/NDF:201602.6/2

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.825+/-0.115 χ^2/NDF:665765.1/2

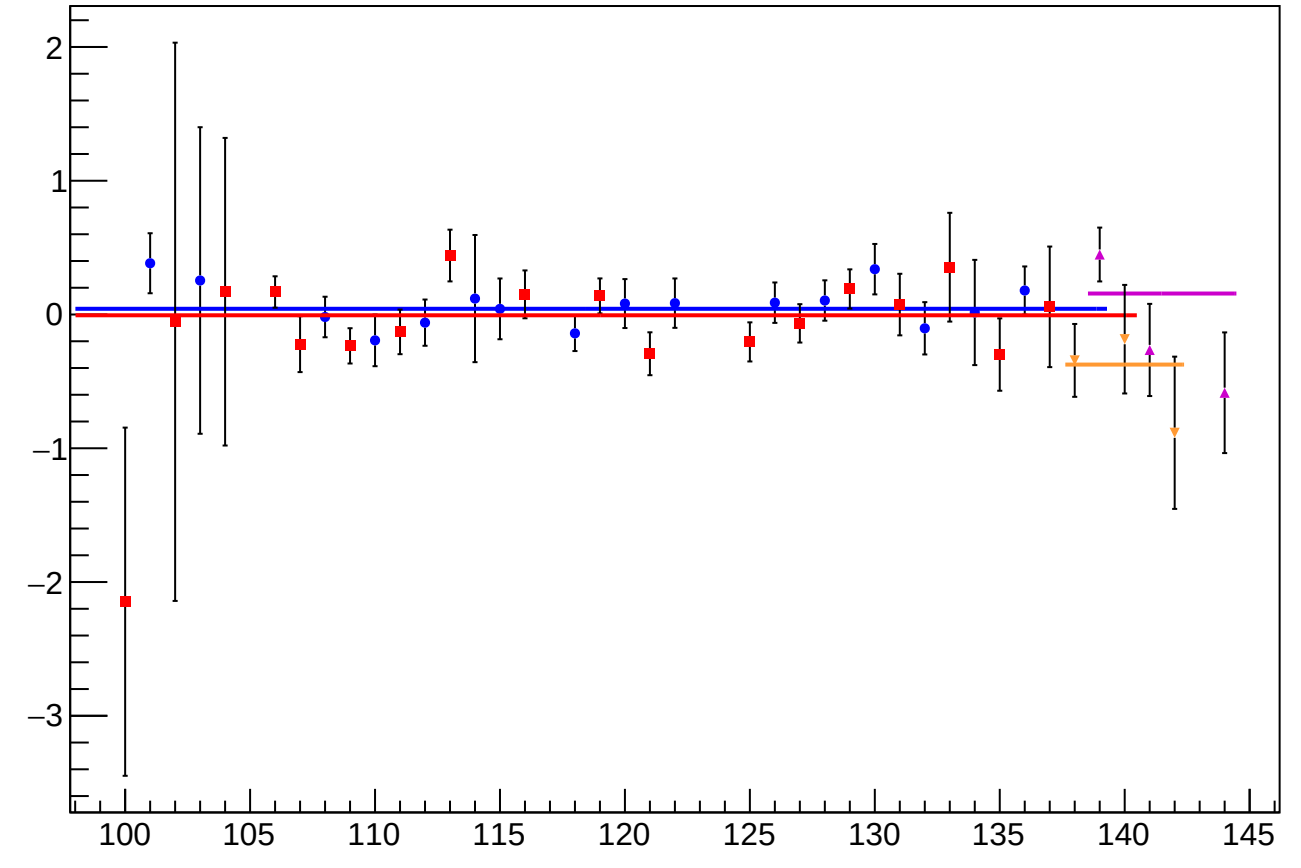
Left: 258.155+/-0.091 χ^2/NDF: 935819.3/5

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 126.545+/-0.032 χ^2/NDF:3345935.8/18

Out: 108.243+/-0.030 χ^2/NDF:4407216.3/20

All: 116.756+/-0.022 χ^2/NDF: 7925800.4/39



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.374+/-0.210 χ^2/NDF:1.0/2

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.162 χ^2/NDF:6.3/2

Left: -0.041+/-0.128 χ^2/NDF: 11.3/5

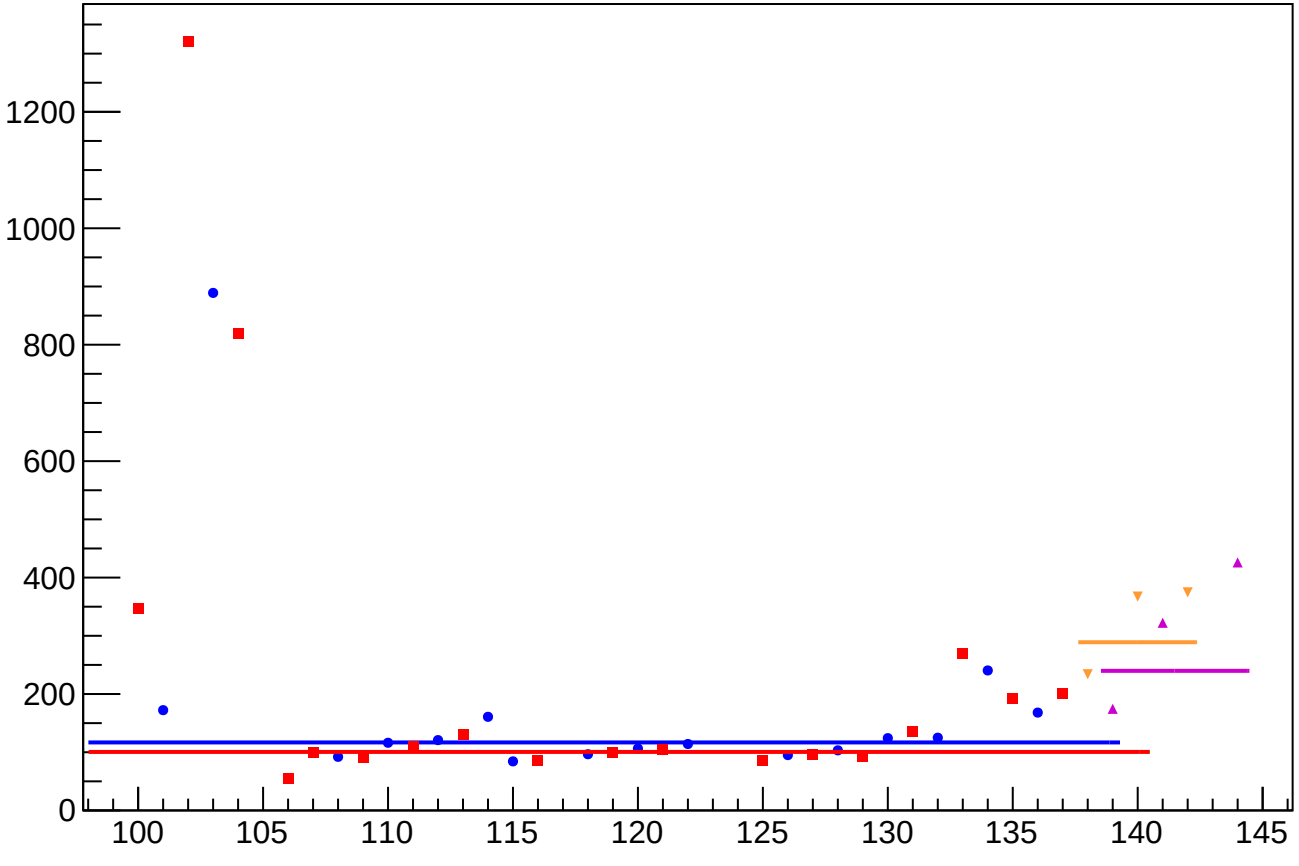
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.046 χ^2/NDF:17.0/18

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.013+/-0.031 χ^2/NDF: 48.4/39

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.935+/-0.149 χ^2/NDF:201602.6/2

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.825+/-0.115 χ^2/NDF:665765.1/2

Left: 258.155+/-0.091 χ^2/NDF: 935819.3/5

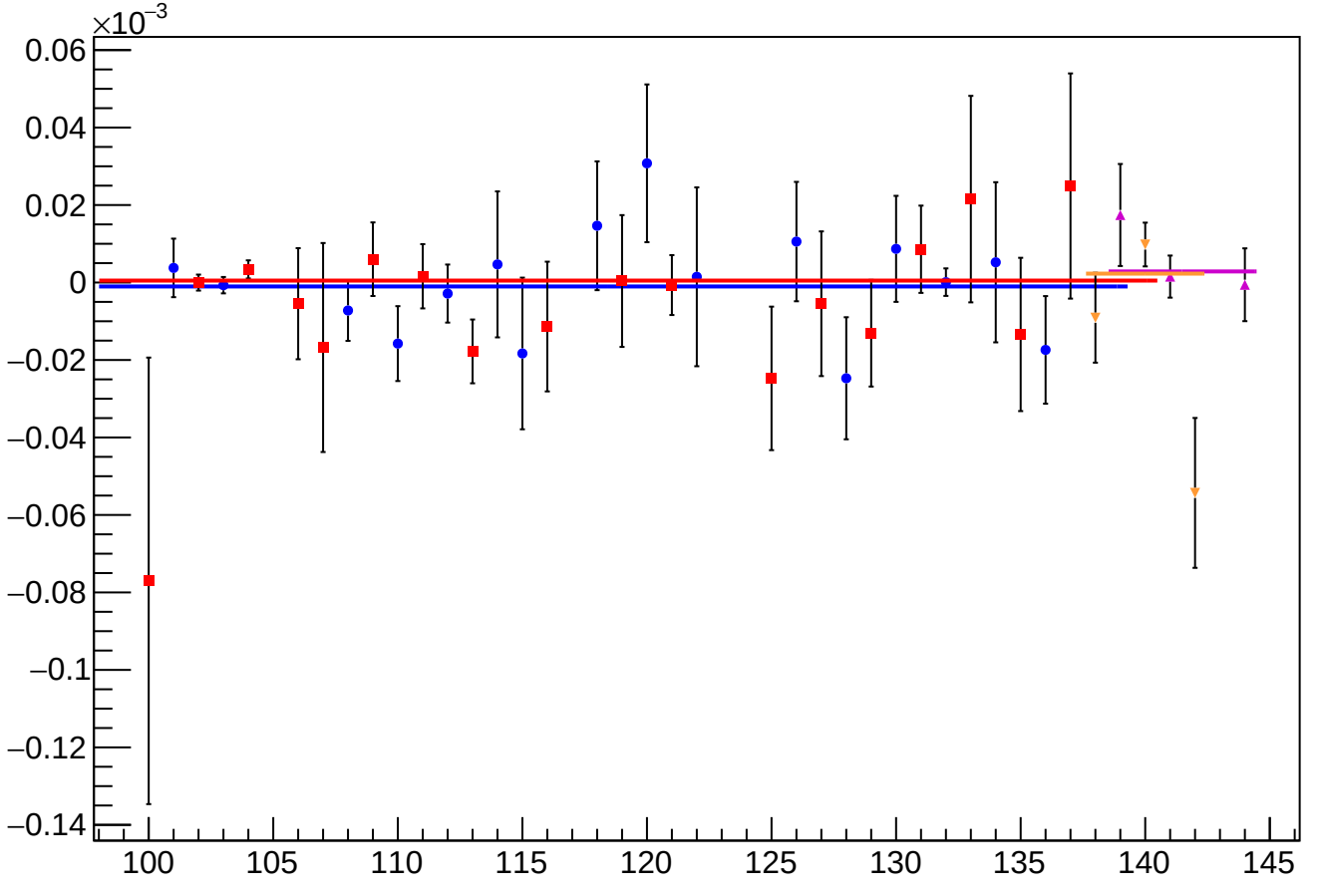
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 126.545+/-0.032 χ^2/NDF:3345935.8/18

Out: 108.243+/-0.030 χ^2/NDF:4407216.3/20

All: 116.756+/-0.022 χ^2/NDF: 7925800.4/39

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:11.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

Left: 0.000+/-0.000 χ^2/NDF: 12.7/5

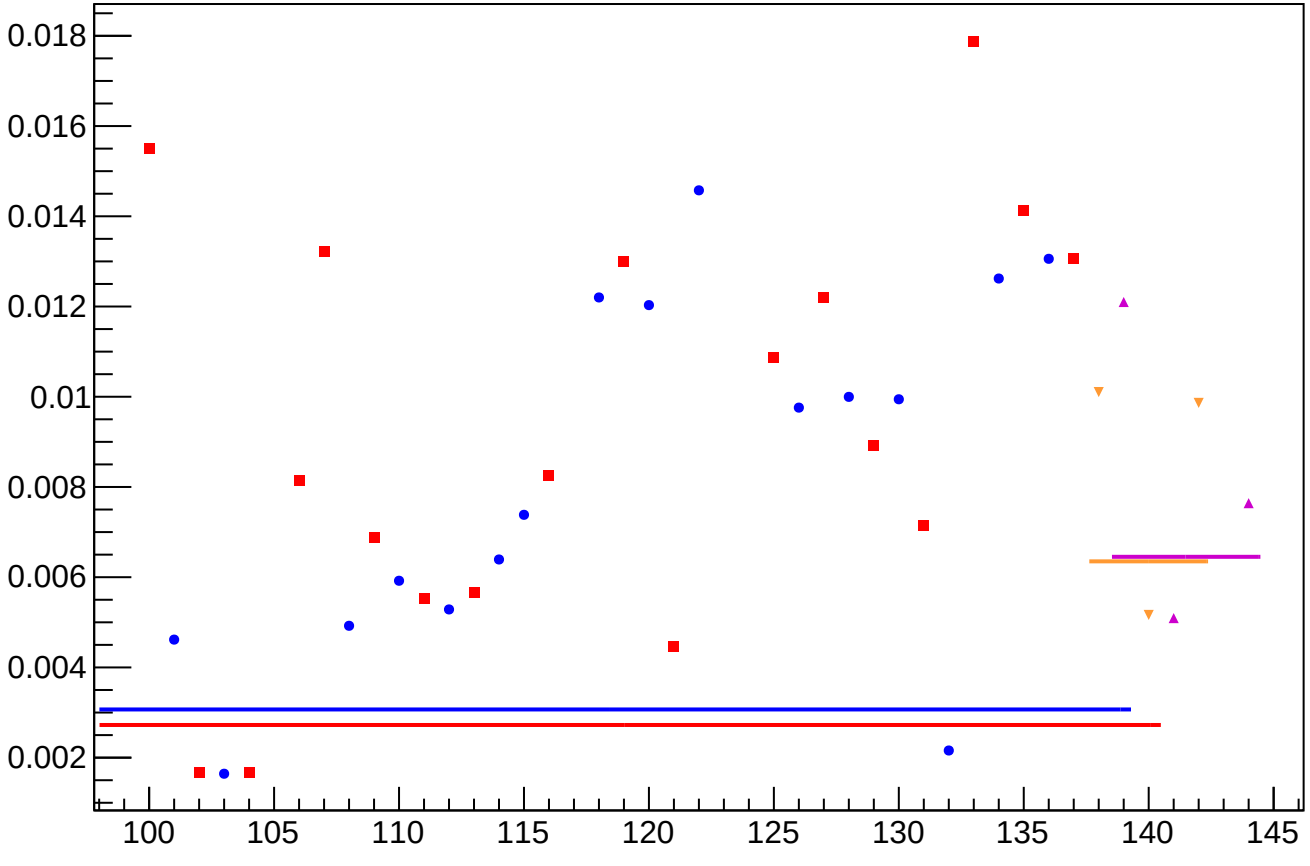
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.7/18

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: 0.000+/-0.000 χ^2/NDF: 41.5/39

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:363807.2/2

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.006+/-0.000 χ^2/NDF:525168.1/2

Left: 0.006+/-0.000 χ^2/NDF: 889440.2/5

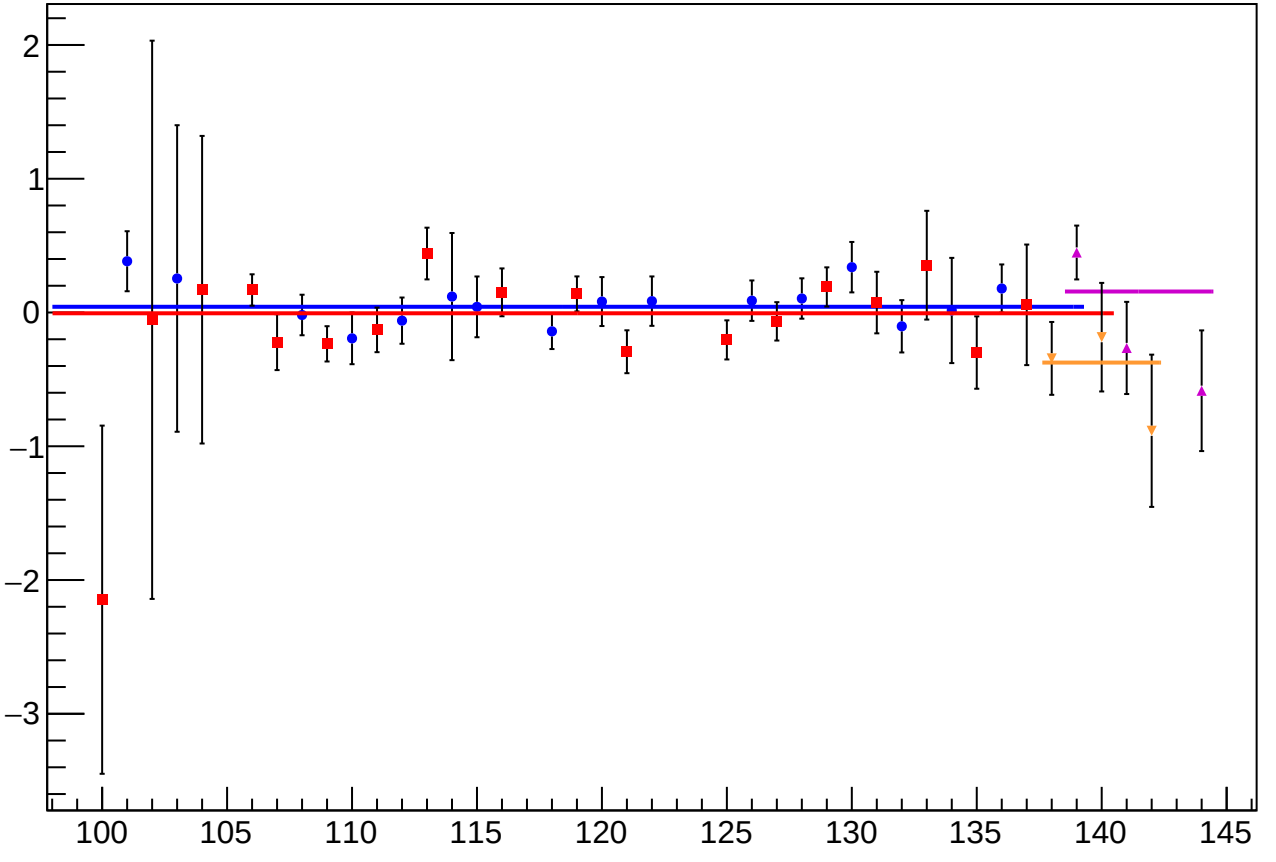
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7524984.9/18

Out: 0.003+/-0.000 χ^2/NDF:8087363.4/20

All: 0.003+/-0.000 χ^2/NDF: 15715414.8/39

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: -0.374+/-0.210 χ^2/NDF:1.0/2

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.162 χ^2/NDF:6.3/2

Left: -0.041+/-0.128 χ^2/NDF: 11.3/5

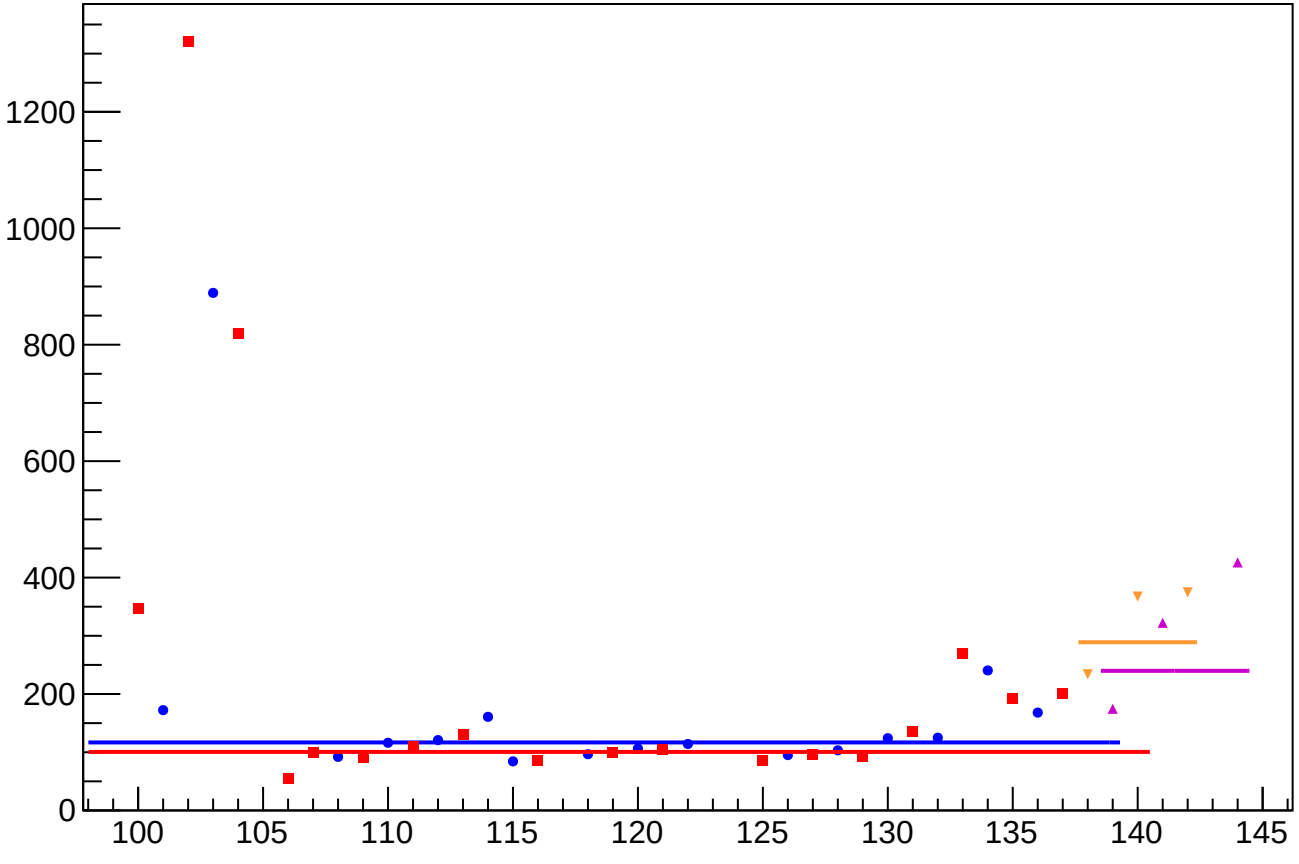
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.046 χ^2/NDF:17.0/18

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.013+/-0.031 χ^2/NDF: 48.4/39

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.938+/-0.149 χ^2/NDF:201598.0/2

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.829+/-0.115 χ^2/NDF:665738.4/2

Left: 258.159+/-0.091 χ^2/NDF: 935780.7/5

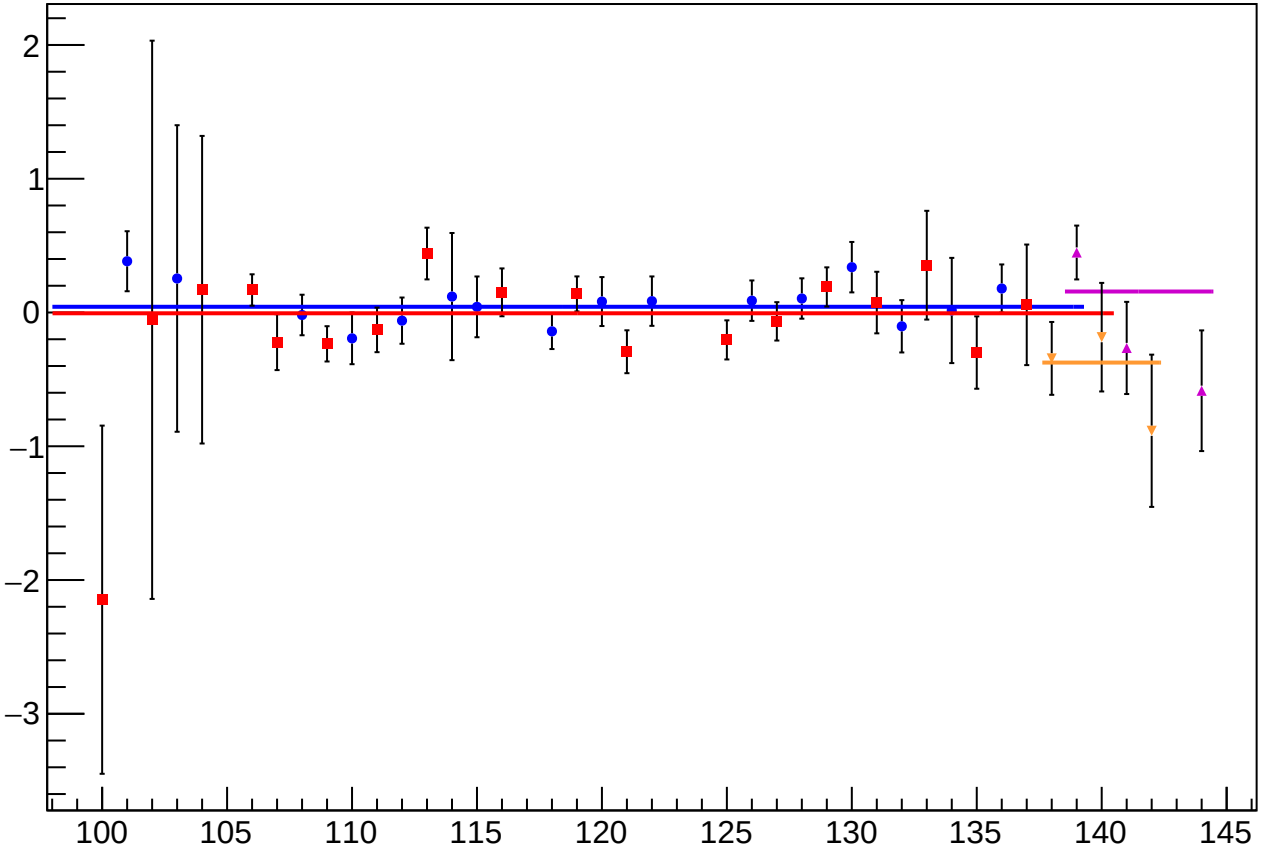
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 126.545+/-0.032 χ^2/NDF:3345964.6/18

Out: 108.242+/-0.030 χ^2/NDF:4407329.9/20

All: 116.756+/-0.022 χ^2/NDF: 7925962.5/39

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: -0.374+/-0.210 χ^2/NDF:1.0/2

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.162 χ^2/NDF:6.3/2

Left: -0.041+/-0.128 χ^2/NDF: 11.3/5

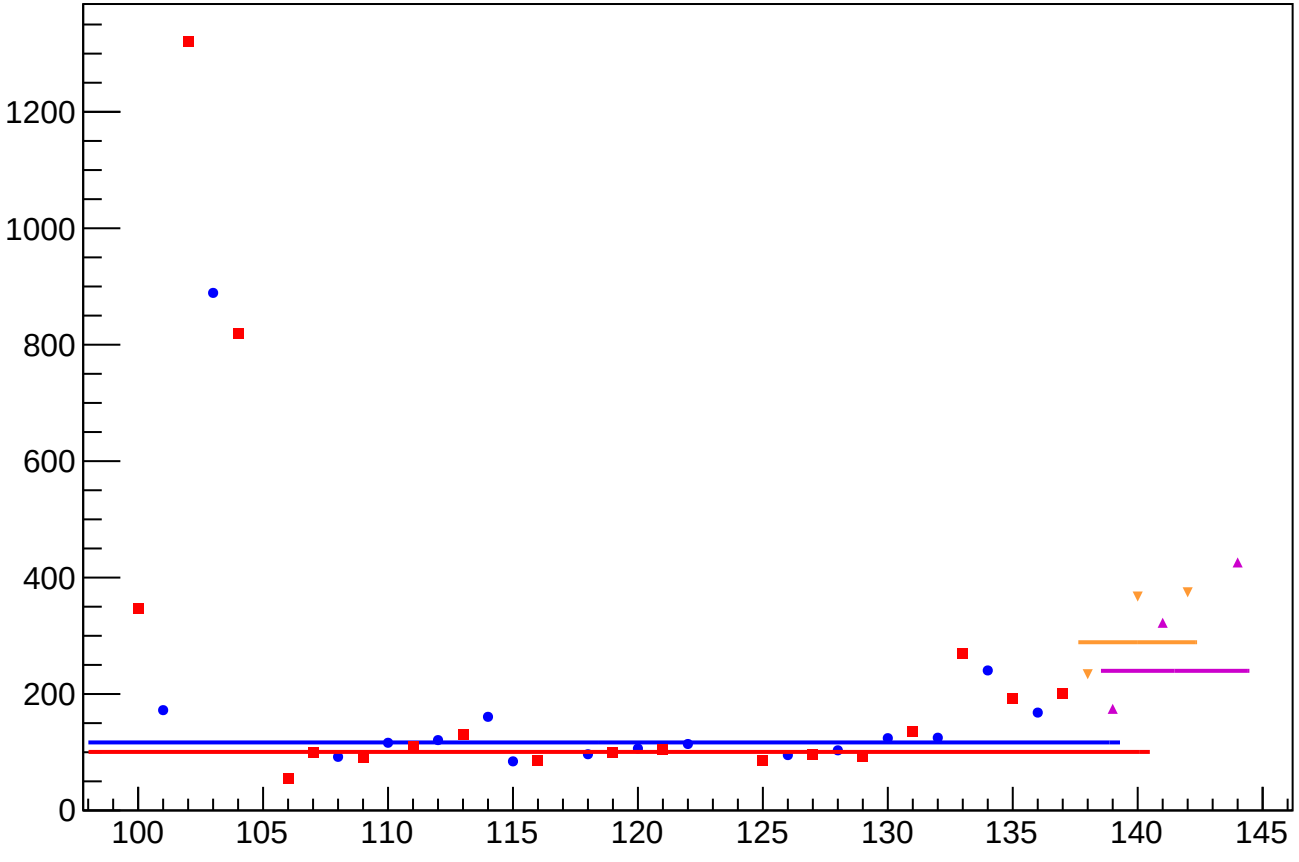
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.046 χ^2/NDF:17.0/18

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.013+/-0.031 χ^2/NDF: 48.4/39

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.938+/-0.149 χ^2/NDF:201598.0/2

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.829+/-0.115 χ^2/NDF:665738.4/2

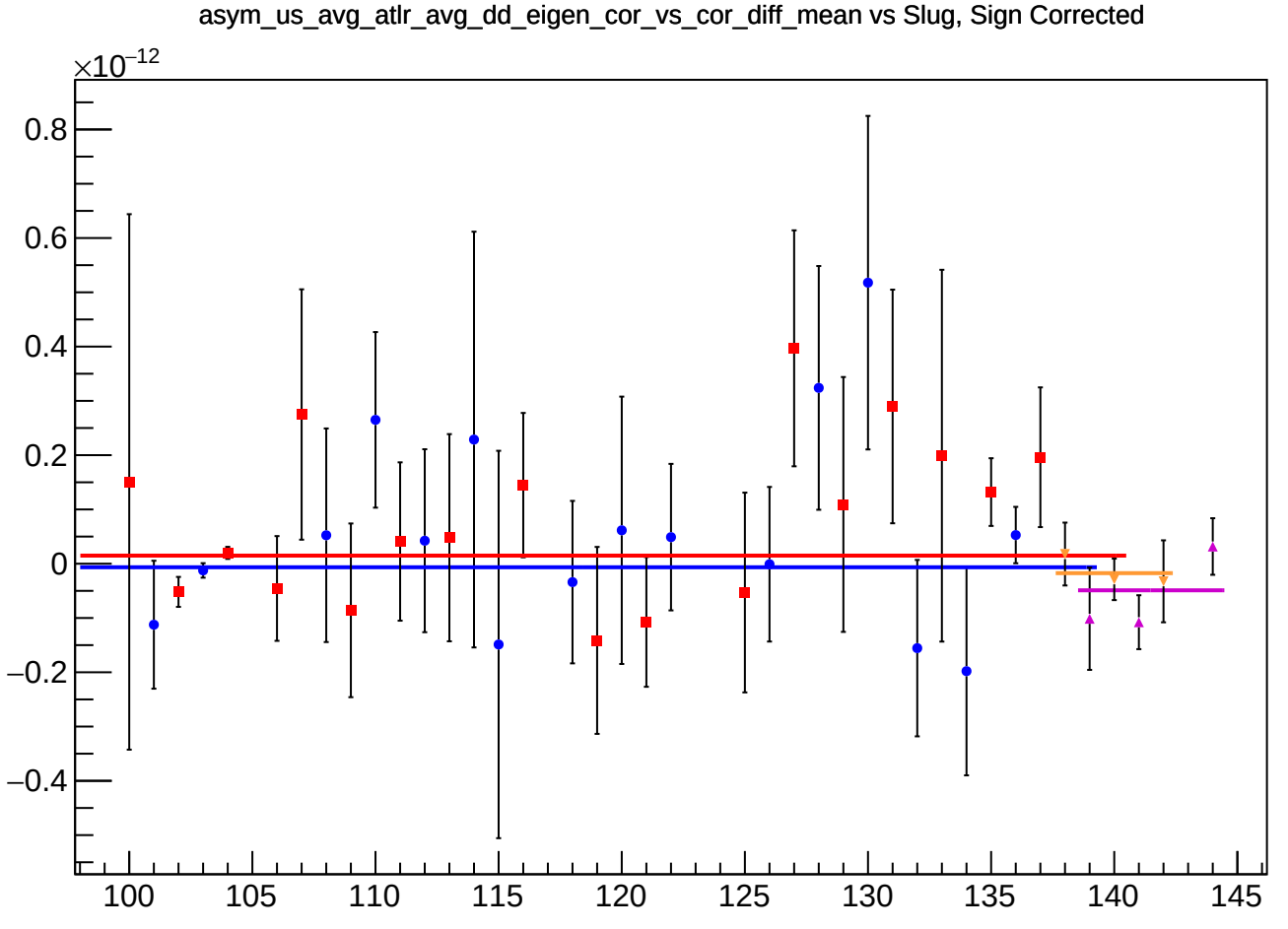
Left: 258.159+/-0.091 χ^2/NDF: 935780.7/5

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 126.545+/-0.032 χ^2/NDF:3345964.6/18

Out: 108.242+/-0.030 χ^2/NDF:4407329.9/20

All: 116.756+/-0.022 χ^2/NDF: 7925962.5/39



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:4.1/2

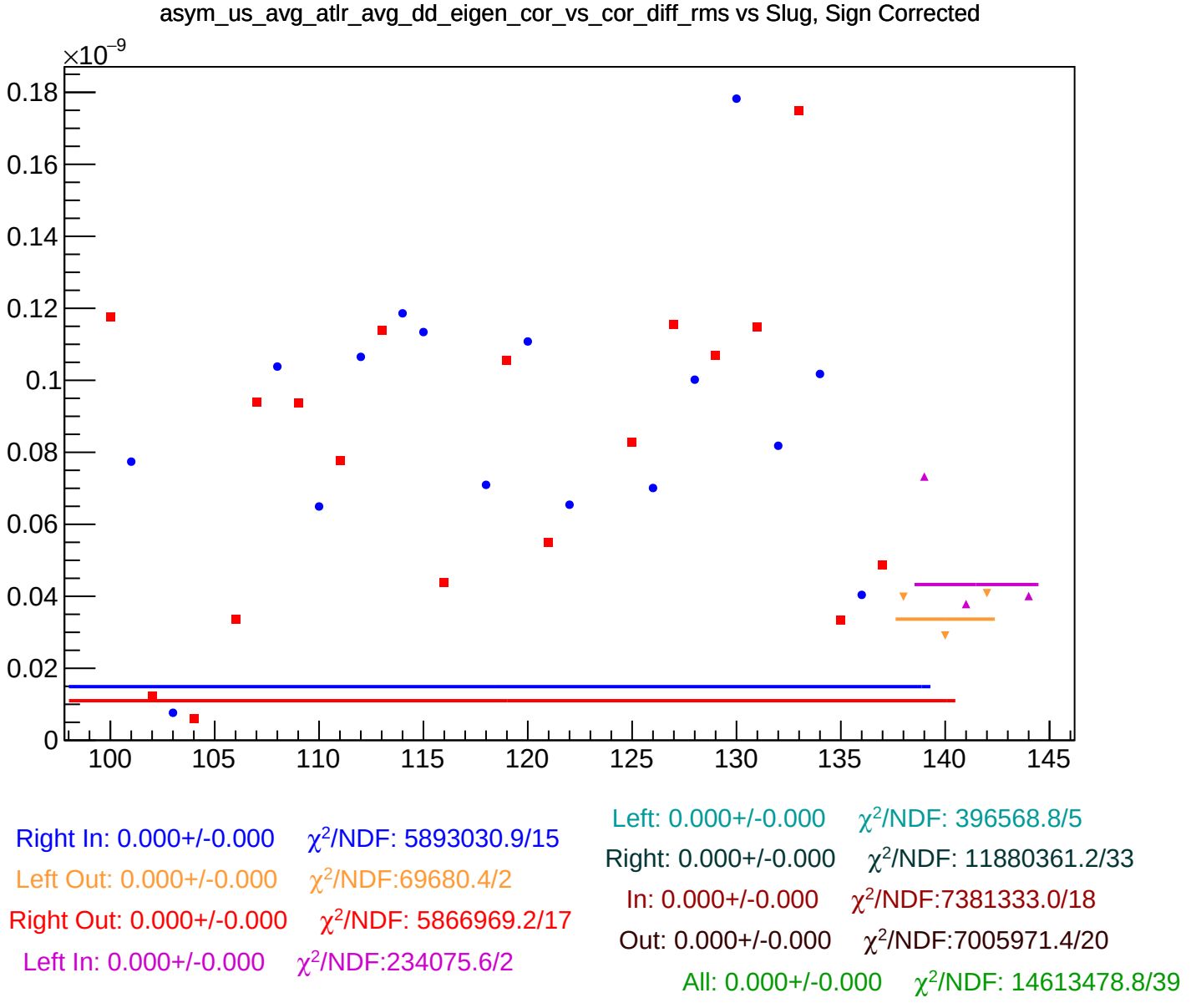
Left: -0.000+/-0.000 χ^2/NDF: 5.1/5

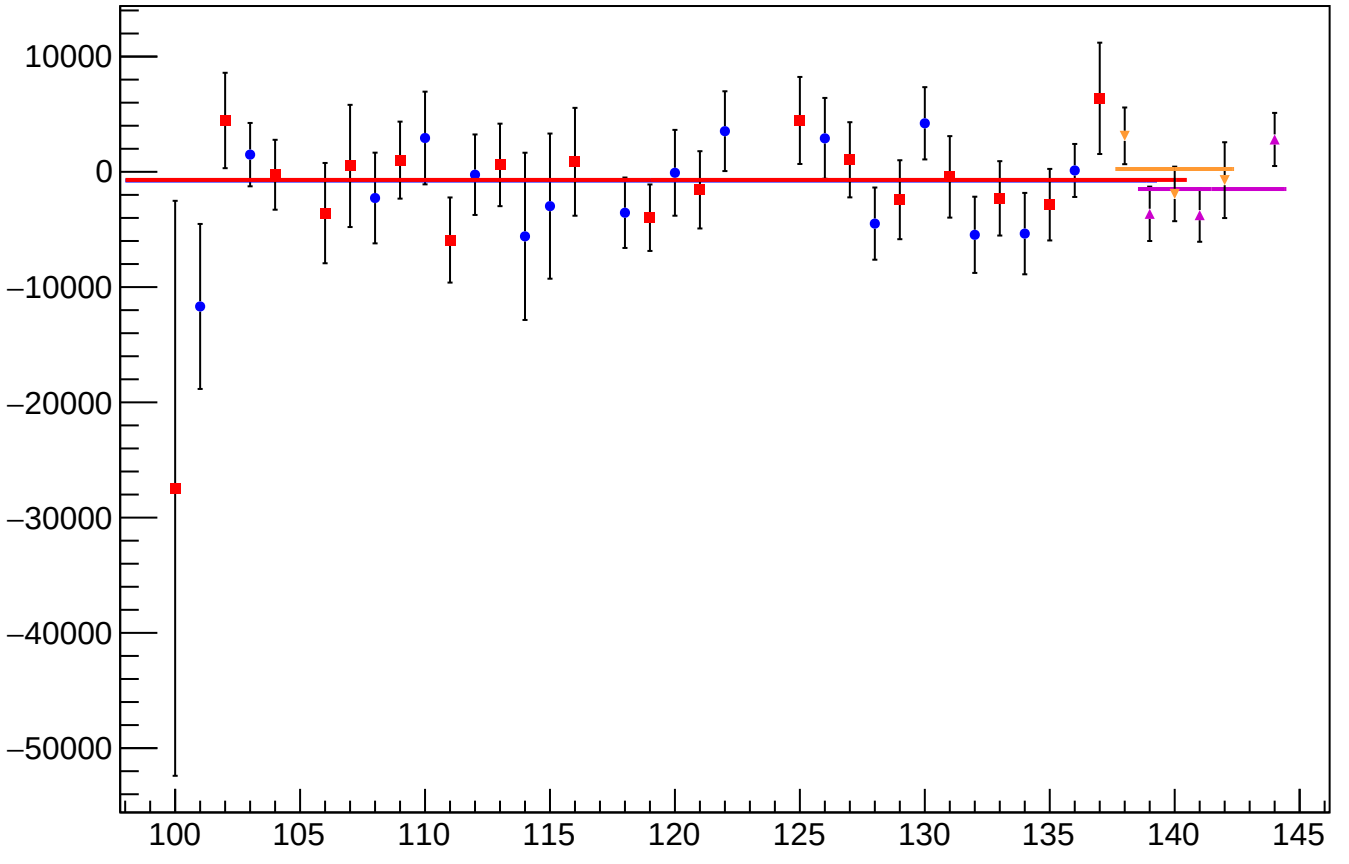
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:18.5/18

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.4/39


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:69680.4/2
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:234075.6/2
Left: 0.000+/-0.000 χ²/NDF: 396568.8/5
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:7381333.0/18
Out: 0.000+/-0.000 χ²/NDF:7005971.4/20
All: 0.000+/-0.000 χ²/NDF: 14613478.8/39



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 245.668+/-1513.687 χ^2/NDF:2.3/2

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1491.351+/-1342.403 χ^2/NDF:5.3/2

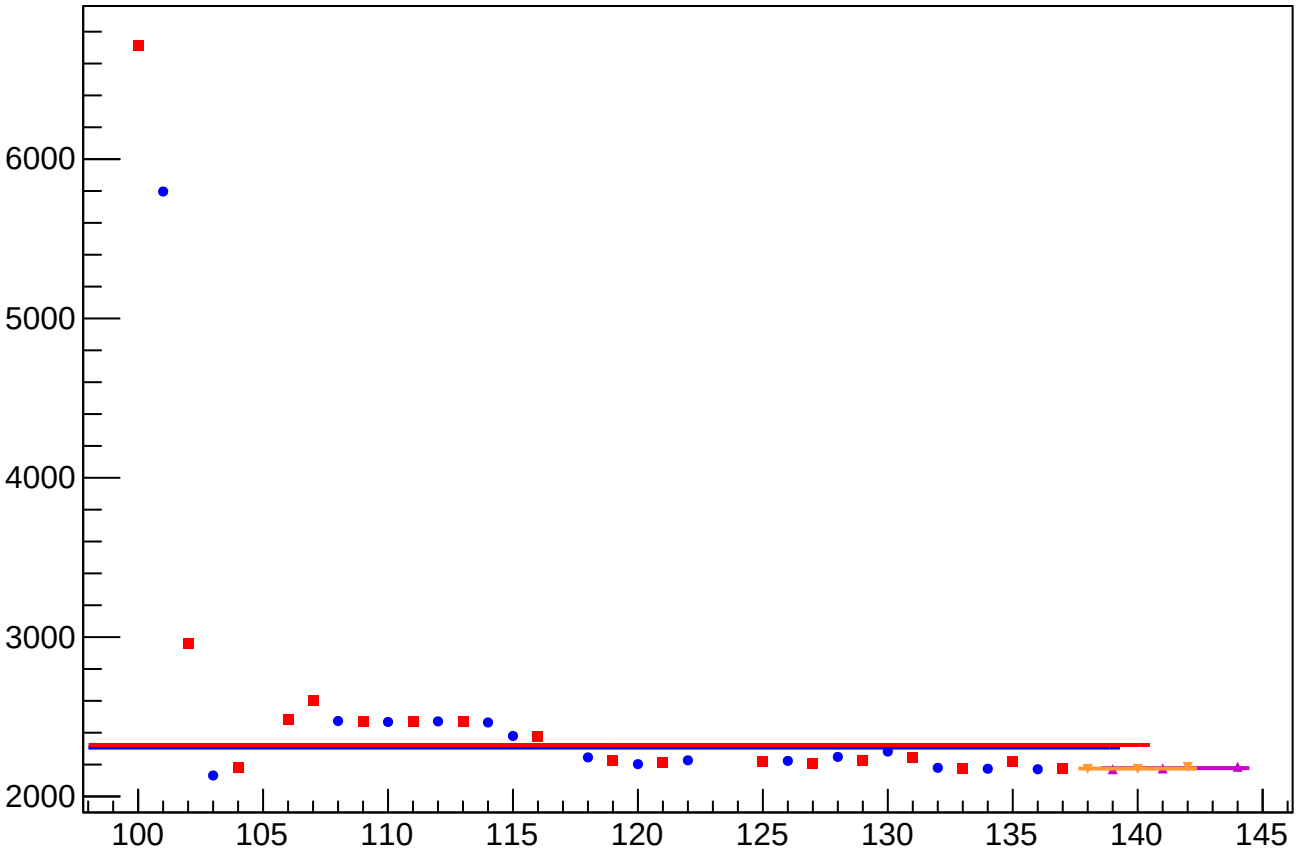
Left: -726.640+/-1004.344 χ^2/NDF: 8.3/5

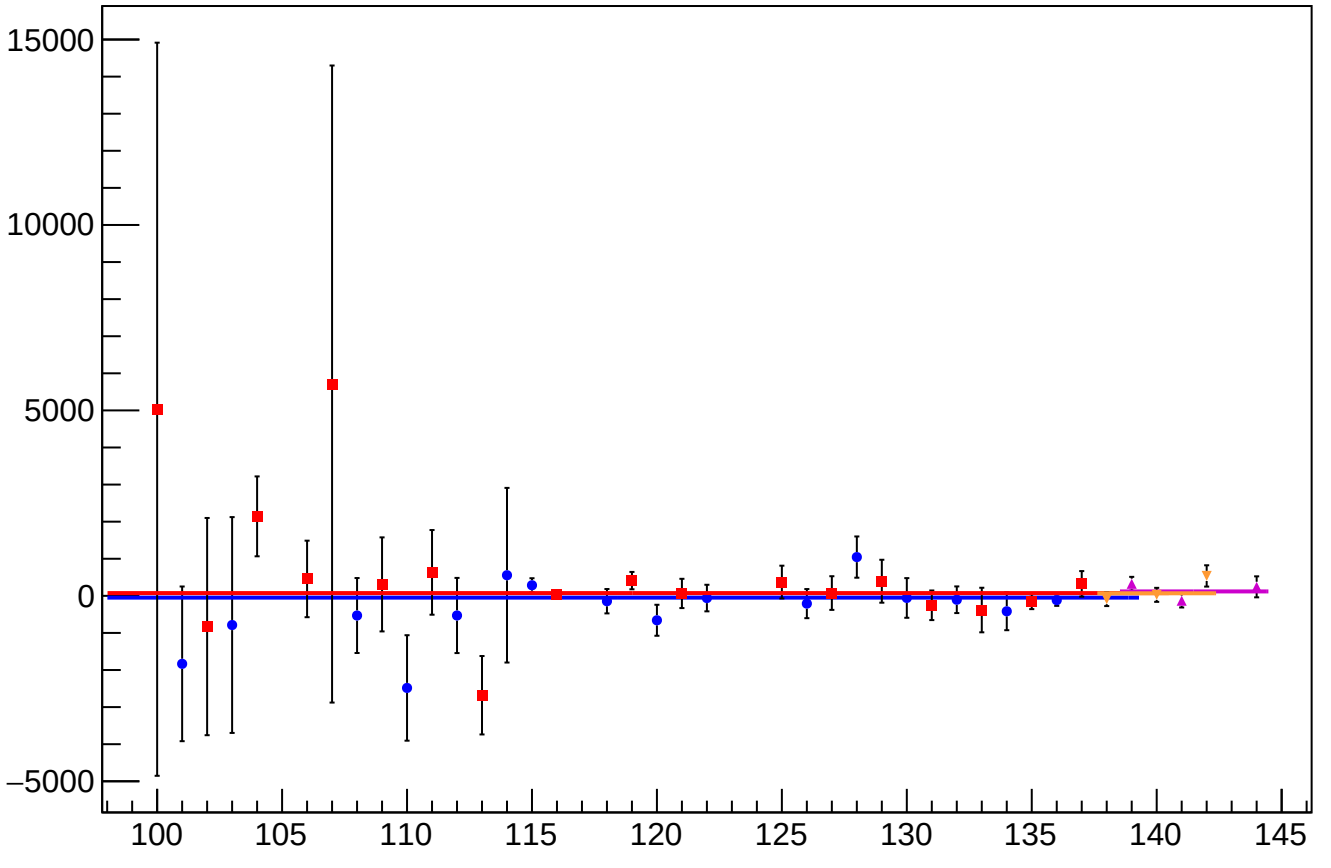
Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -973.239+/-731.647 χ^2/NDF:21.4/18

Out: -467.379+/-753.406 χ^2/NDF:14.9/20

All: -727.719+/-524.876 χ^2/NDF: 36.5/39


reg_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 2306.643+/-0.617 χ²/NDF: 514150.3/15
Left Out: 2175.172+/-1.070 χ²/NDF:21.7/2
Right Out: 2323.010+/-0.614 χ²/NDF: 151787.1/17
Left In: 2177.935+/-0.949 χ²/NDF:47.0/2
Left: 2176.719+/-0.710 χ²/NDF: 72.5/5
Right: 2314.864+/-0.435 χ²/NDF: 666290.7/33
In: 2268.410+/-0.517 χ²/NDF:527121.3/18
Out: 2286.386+/-0.533 χ²/NDF:166160.5/20
All: 2277.135+/-0.371 χ²/NDF: 693867.7/39



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: 68.908+/-120.729 χ^2/NDF:3.4/2

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 118.973+/-118.607 χ^2/NDF:3.3/2

Left: 94.384+/-84.608 χ^2/NDF: 6.8/5

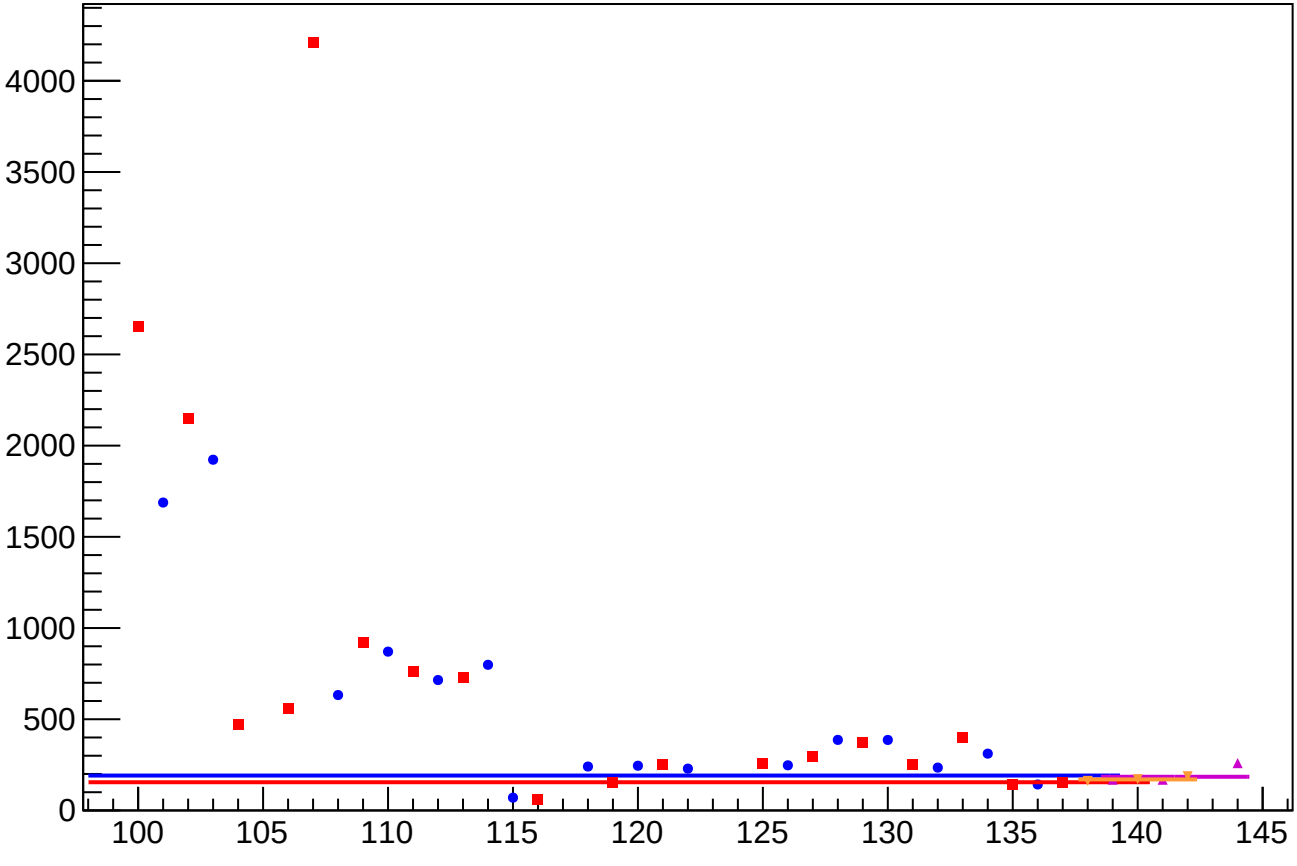
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 13.843+/-72.155 χ^2/NDF:18.9/18

Out: 72.519+/-68.050 χ^2/NDF:21.0/20

All: 44.897+/-49.506 χ^2/NDF: 40.3/39

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: 170.141+/-0.085 χ^2/NDF:11016.0/2

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 184.650+/-0.084 χ^2/NDF:169810.9/2

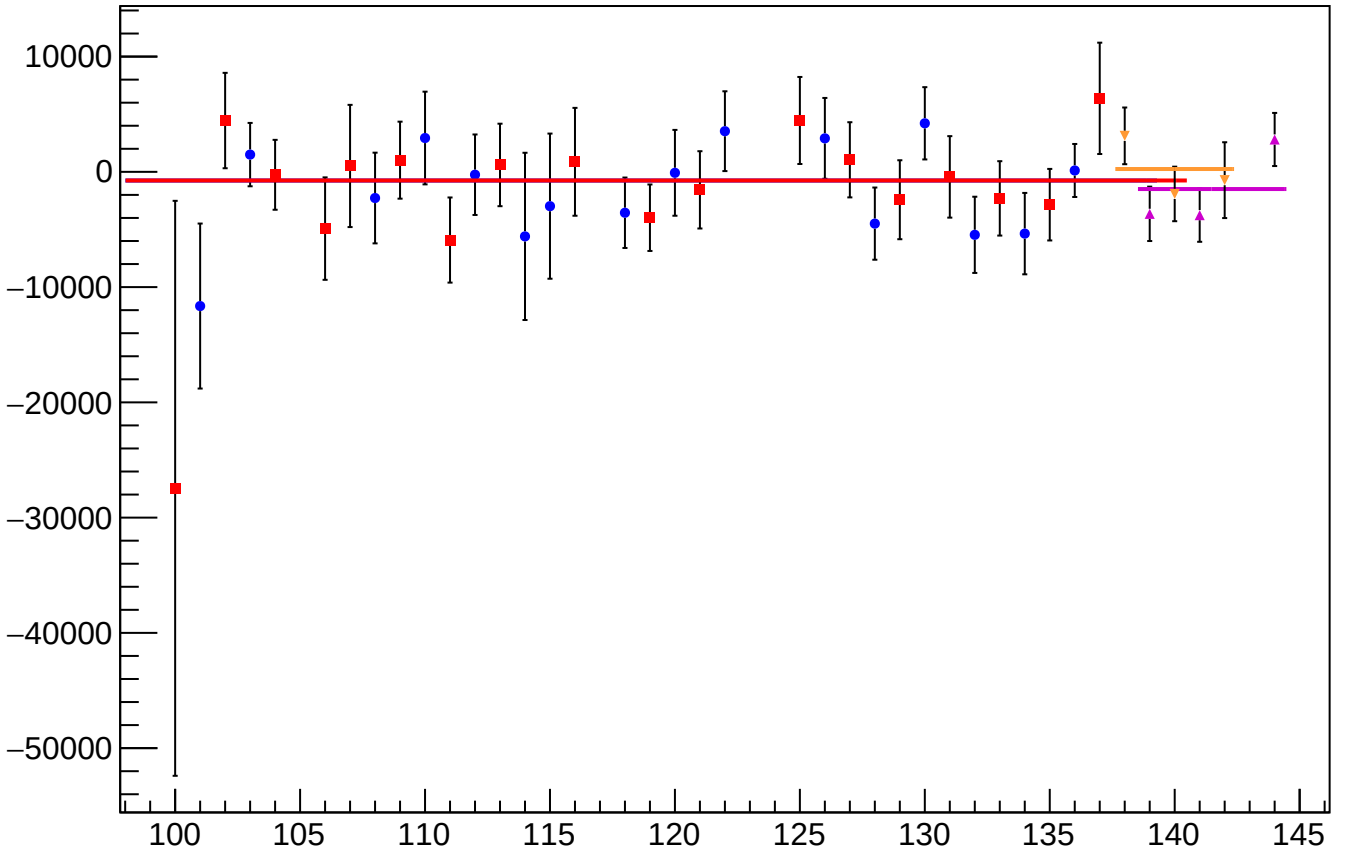
Left: 177.524+/-0.060 χ^2/NDF: 195525.3/5

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 188.890+/-0.051 χ^2/NDF:5238615.4/18

Out: 159.590+/-0.048 χ^2/NDF:6187692.3/20

All: 173.383+/-0.035 χ^2/NDF: 11600844.7/39



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 245.756+/-1513.687 χ^2/NDF:2.3/2

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1491.492+/-1342.403 χ^2/NDF:5.3/2

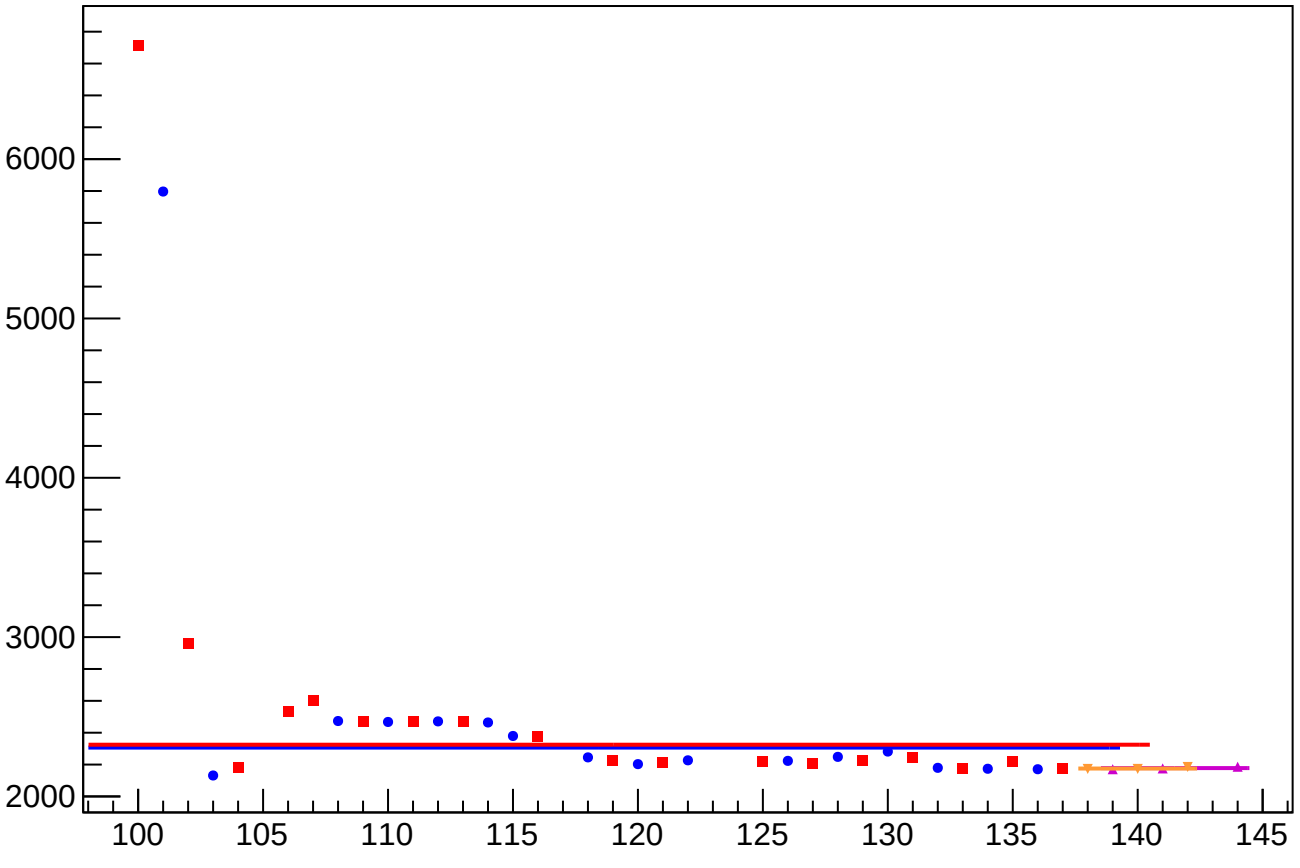
Left: -726.679+/-1004.344 χ^2/NDF: 8.3/5

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -972.599+/-731.647 χ^2/NDF:21.4/18

Out: -502.496+/-753.875 χ^2/NDF:15.4/20

All: -744.580+/-525.035 χ^2/NDF: 37.0/39



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.935+/-0.949 χ^2/NDF:47.0/2

Left: 2176.719+/-0.710 χ^2/NDF: 72.5/5

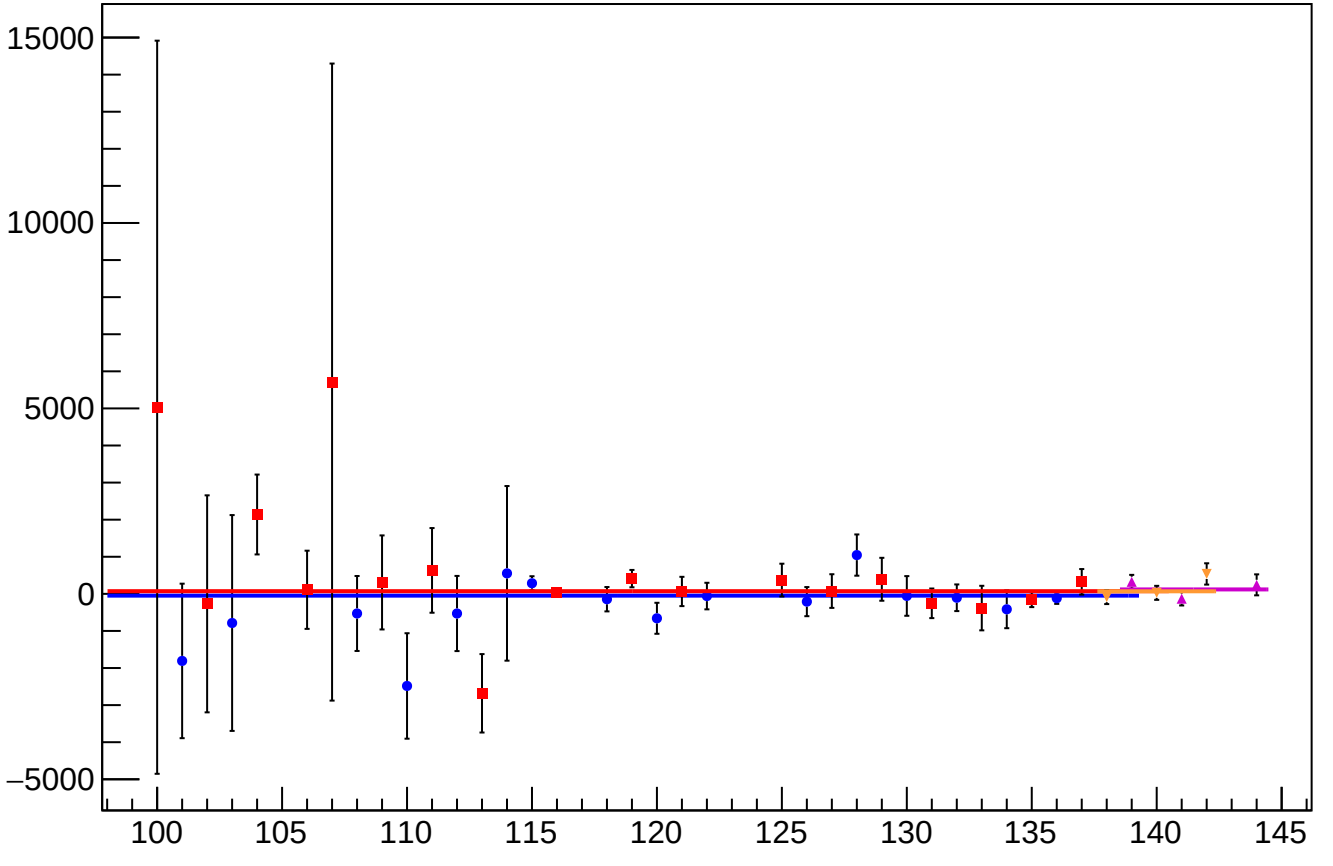
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2268.410+/-0.517 χ^2/NDF:527121.6/18

Out: 2287.599+/-0.533 χ^2/NDF:168272.8/20

All: 2277.718+/-0.371 χ^2/NDF: 696061.7/39

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: 69.051+/-120.728 χ^2/NDF:3.4/2

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 119.220+/-118.610 χ^2/NDF:3.3/2

Left: 94.580+/-84.609 χ^2/NDF: 6.8/5

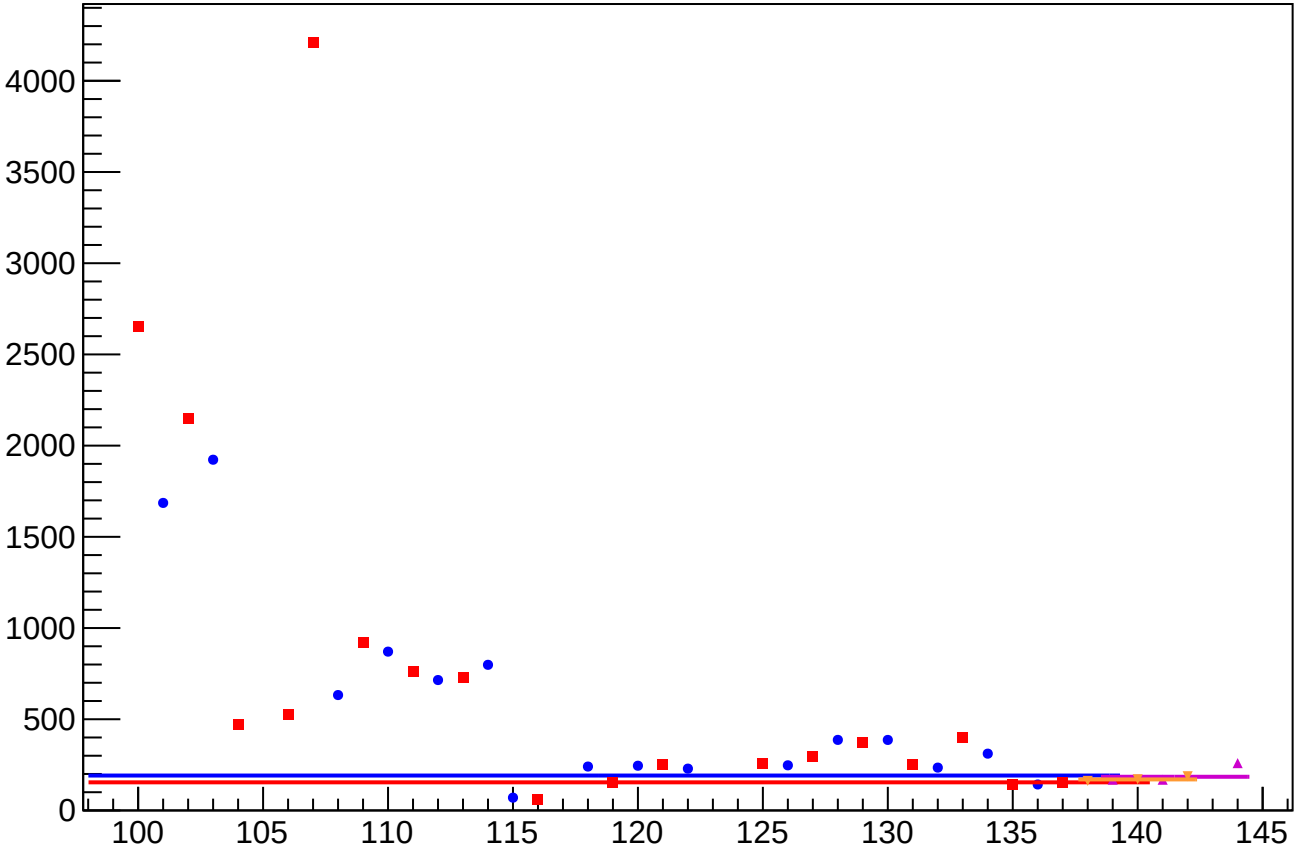
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 13.916+/-72.159 χ^2/NDF:18.9/18

Out: 71.199+/-68.015 χ^2/NDF:20.8/20

All: 44.249+/-49.494 χ^2/NDF: 40.0/39

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: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 184.654+/-0.084 χ^2/NDF:169785.1/2

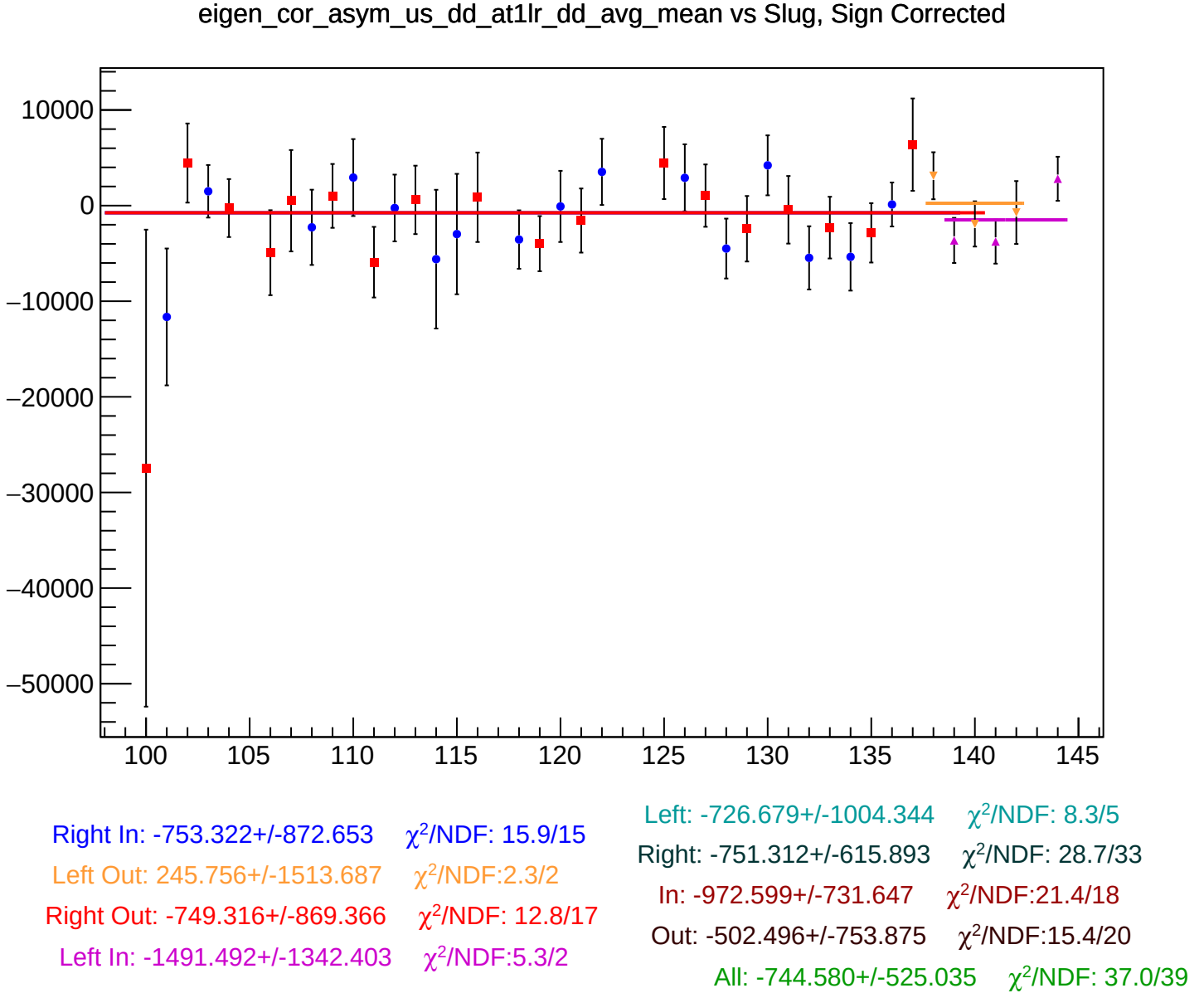
Left: 177.526+/-0.060 χ^2/NDF: 195548.0/5

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 188.906+/-0.051 χ^2/NDF:5237469.7/18

Out: 159.206+/-0.048 χ^2/NDF:6143759.5/20

All: 173.179+/-0.035 χ^2/NDF: 11560654.9/39


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
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0
−10000
−20000
−30000
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100
105
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125
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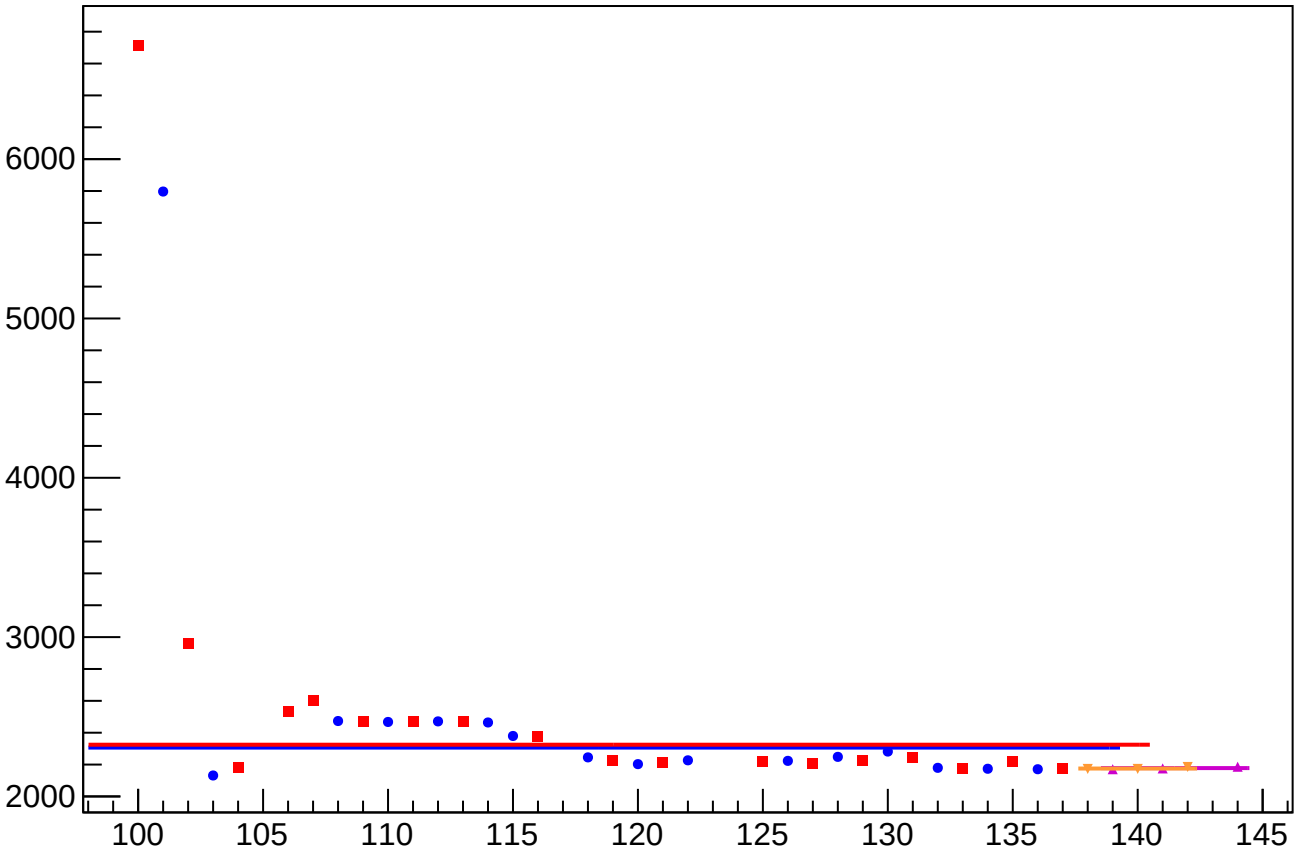
140
145
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: 245.756+/-1513.687 χ²/NDF:2.3/2
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -1491.492+/-1342.403 χ²/NDF:5.3/2
Left: -726.679+/-1004.344 χ²/NDF: 8.3/5
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -972.599+/-731.647 χ²/NDF:21.4/18
Out: -502.496+/-753.875 χ²/NDF:15.4/20
All: -744.580+/-525.035 χ²/NDF: 37.0/39



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.935+/-0.949 χ^2/NDF:47.0/2

Left: 2176.719+/-0.710 χ^2/NDF: 72.5/5

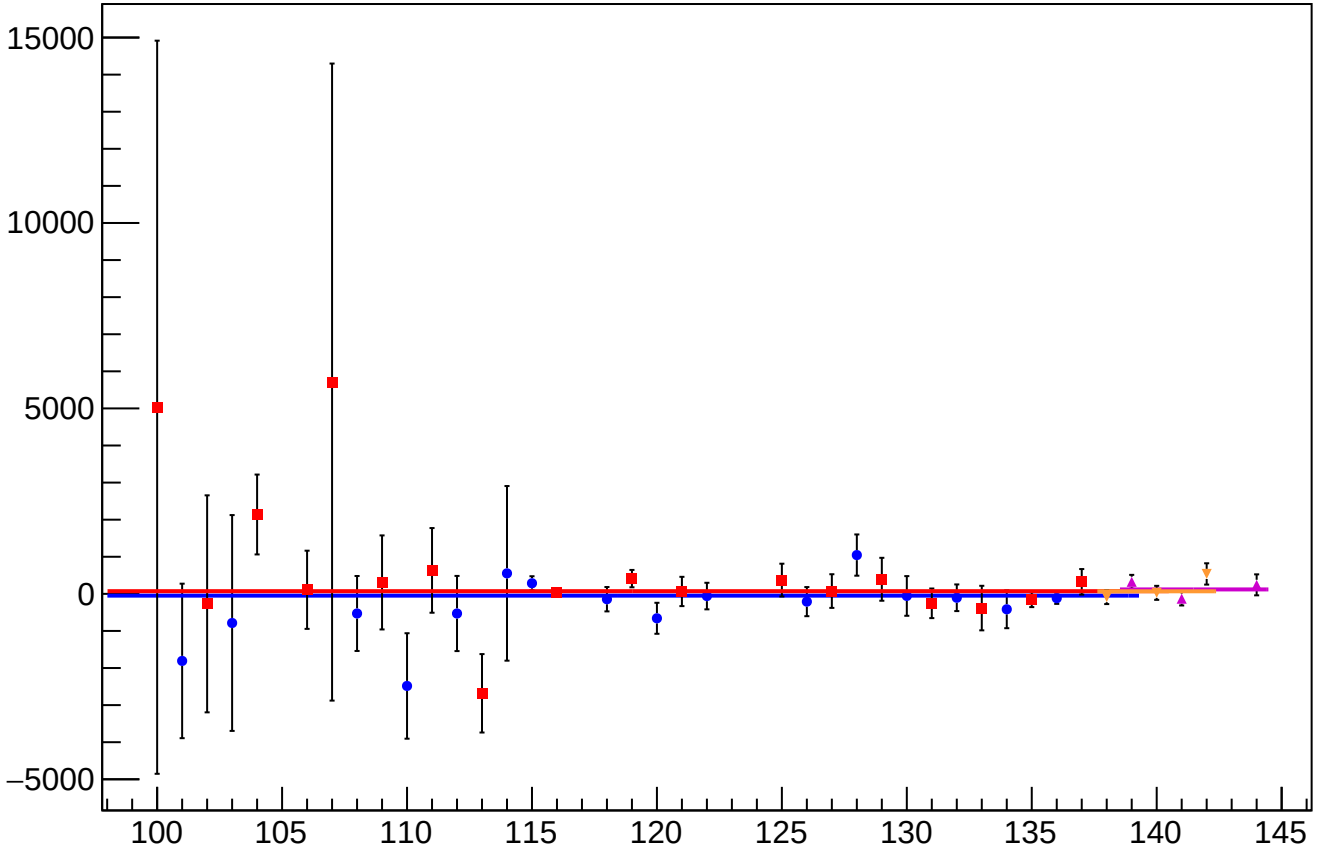
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2268.410+/-0.517 χ^2/NDF:527121.6/18

Out: 2287.599+/-0.533 χ^2/NDF:168272.8/20

All: 2277.718+/-0.371 χ^2/NDF: 696061.7/39

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: 69.051+/-120.728 χ^2/NDF:3.4/2

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 119.220+/-118.610 χ^2/NDF:3.3/2

Left: 94.580+/-84.609 χ^2/NDF: 6.8/5

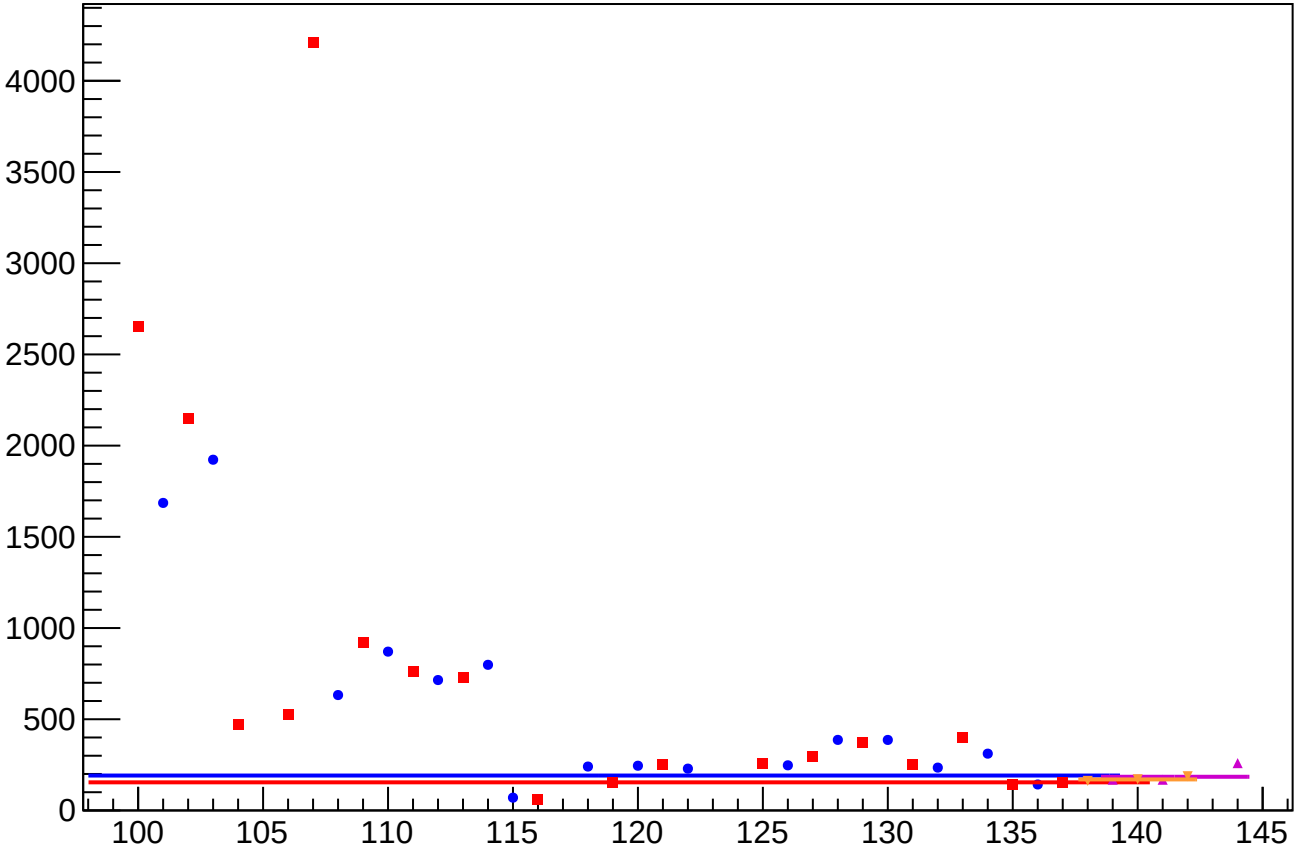
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 13.916+/-72.159 χ^2/NDF:18.9/18

Out: 71.199+/-68.015 χ^2/NDF:20.8/20

All: 44.249+/-49.494 χ^2/NDF: 40.0/39

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: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 184.654+/-0.084 χ^2/NDF:169785.1/2

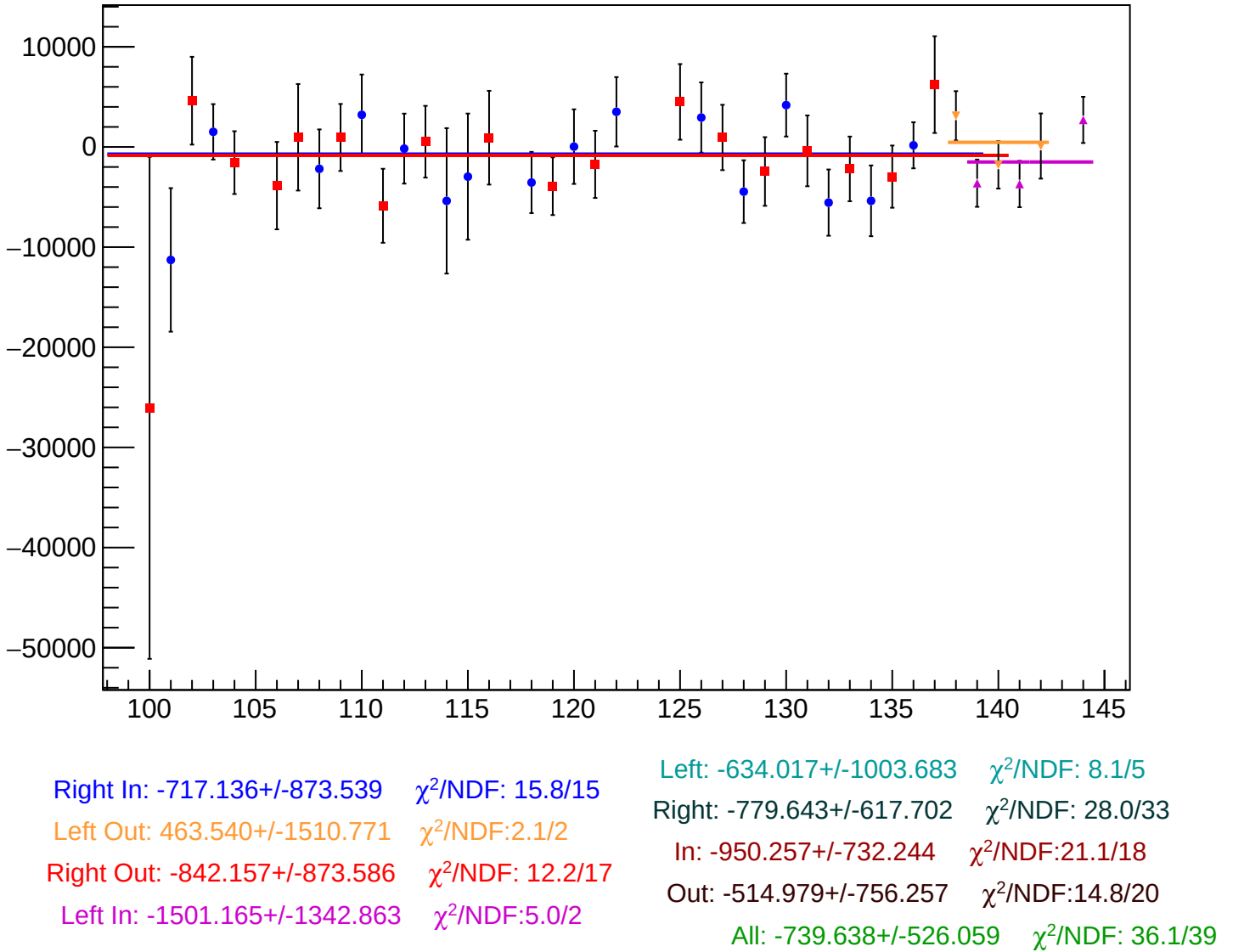
Left: 177.526+/-0.060 χ^2/NDF: 195548.0/5

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 188.906+/-0.051 χ^2/NDF:5237469.7/18

Out: 159.206+/-0.048 χ^2/NDF:6143759.5/20

All: 173.179+/-0.035 χ^2/NDF: 11560654.9/39


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
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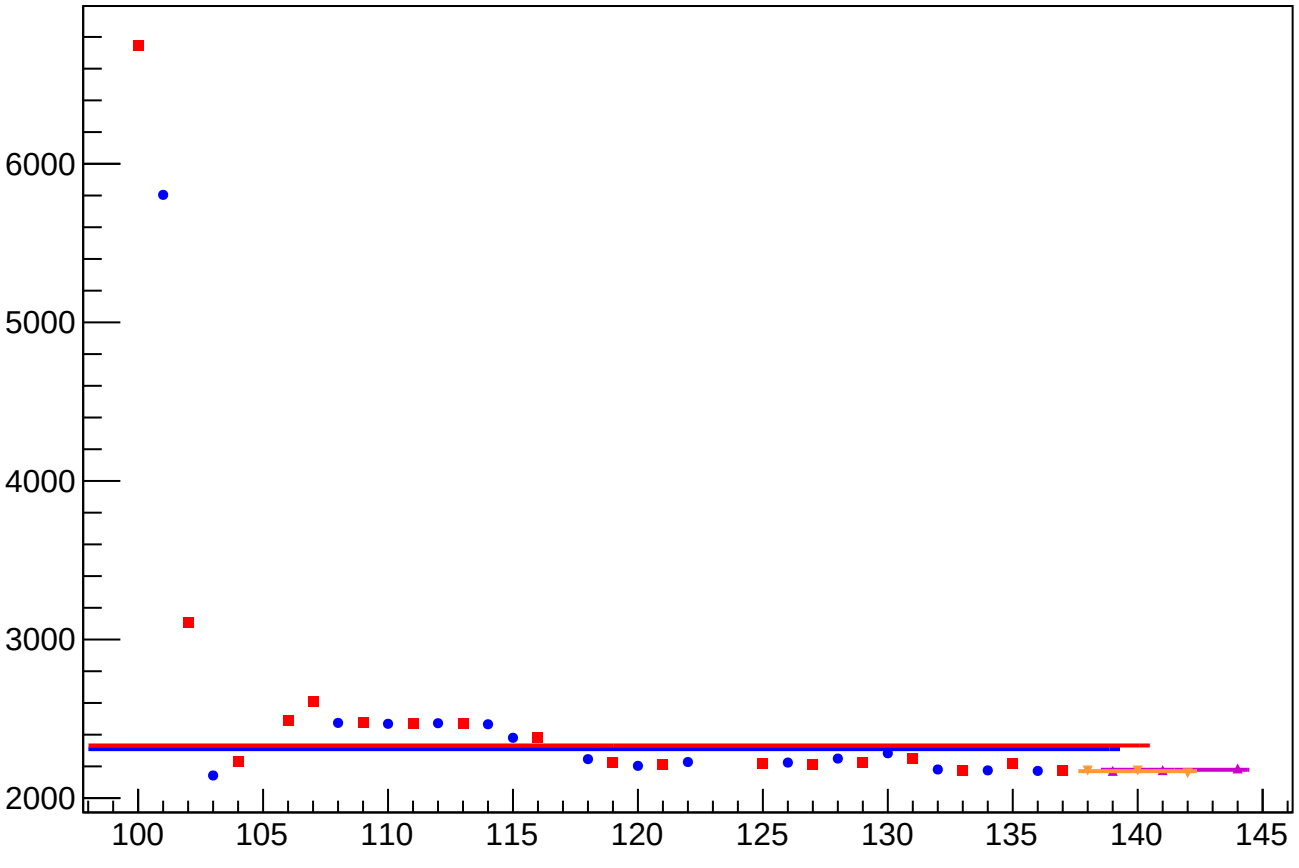
145
Right In: -717.136+/-873.539 χ²/NDF: 15.8/15
Left Out: 463.540+/-1510.771 χ²/NDF:2.1/2
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -1501.165+/-1342.863 χ²/NDF:5.0/2
Left: -634.017+/-1003.683 χ²/NDF: 8.1/5
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -950.257+/-732.244 χ²/NDF:21.1/18
Out: -514.979+/-756.257 χ²/NDF:14.8/20
All: -739.638+/-526.059 χ²/NDF: 36.1/39



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF:43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.681+/-0.950 χ^2/NDF:45.5/2

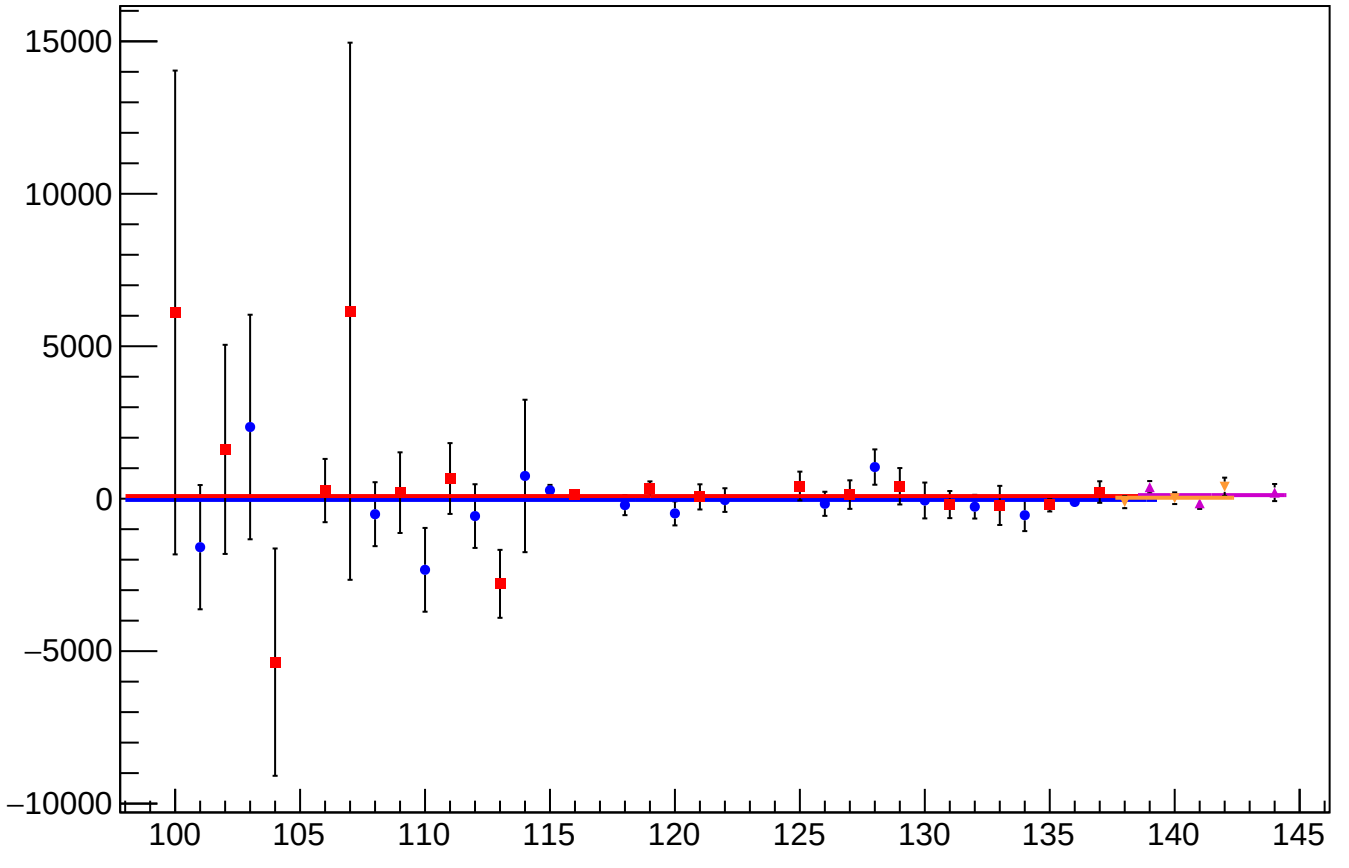
Left: 2174.742+/-0.710 χ^2/NDF: 128.0/5

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2270.068+/-0.518 χ^2/NDF:526969.9/18

Out: 2291.233+/-0.535 χ^2/NDF:184619.2/20

All: 2280.309+/-0.372 χ^2/NDF: 712397.5/39



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: 30.960+/-125.347 χ^2/NDF:2.0/2

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 117.234+/-122.201 χ^2/NDF:3.9/2

Left: 75.193+/-87.500 χ^2/NDF: 6.1/5

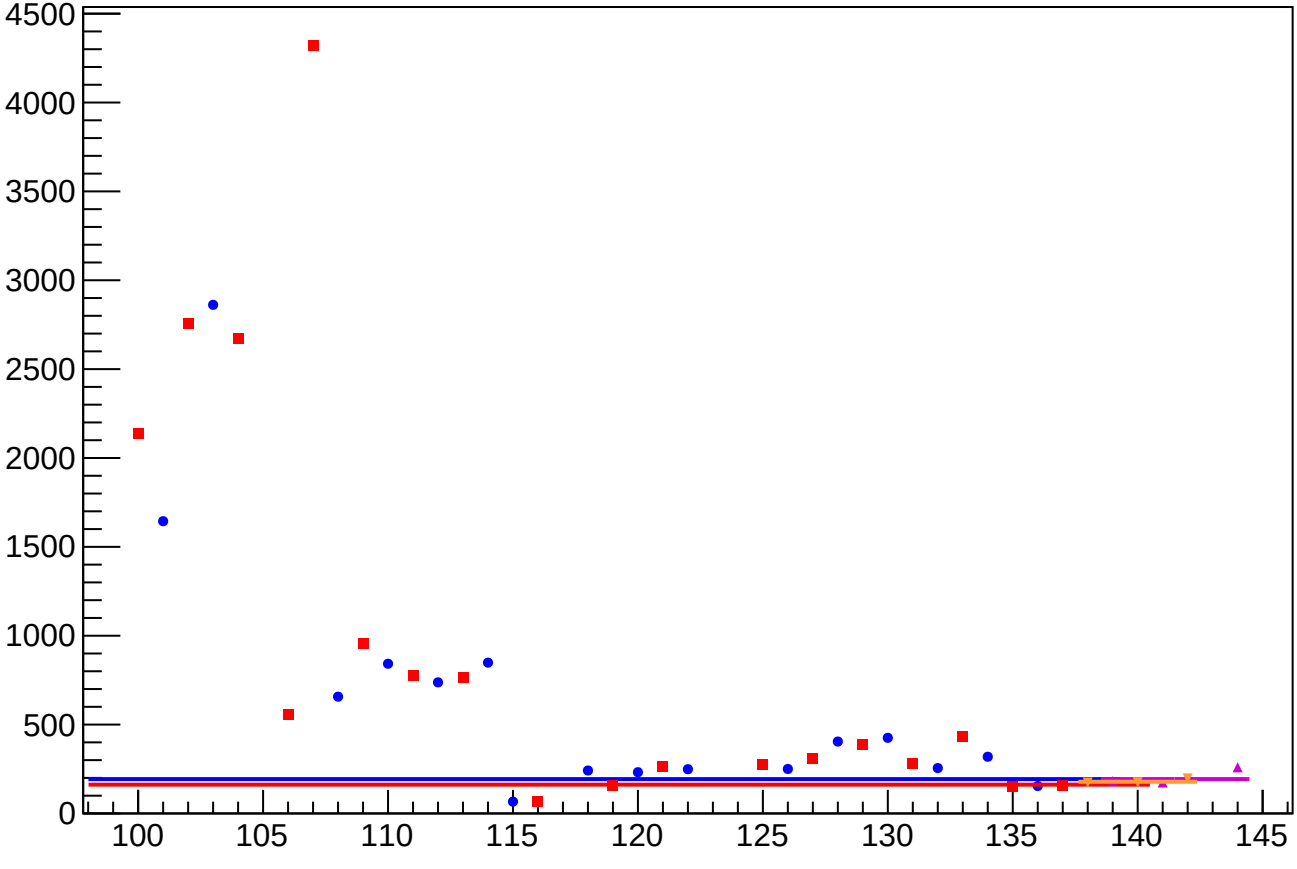
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 17.127+/-73.707 χ^2/NDF:19.0/18

Out: 68.616+/-70.963 χ^2/NDF:17.1/20

All: 43.848+/-51.121 χ^2/NDF: 36.3/39

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: 178.449+/-0.089 χ^2/NDF:9275.6/2

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 193.435+/-0.086 χ^2/NDF:139632.8/2

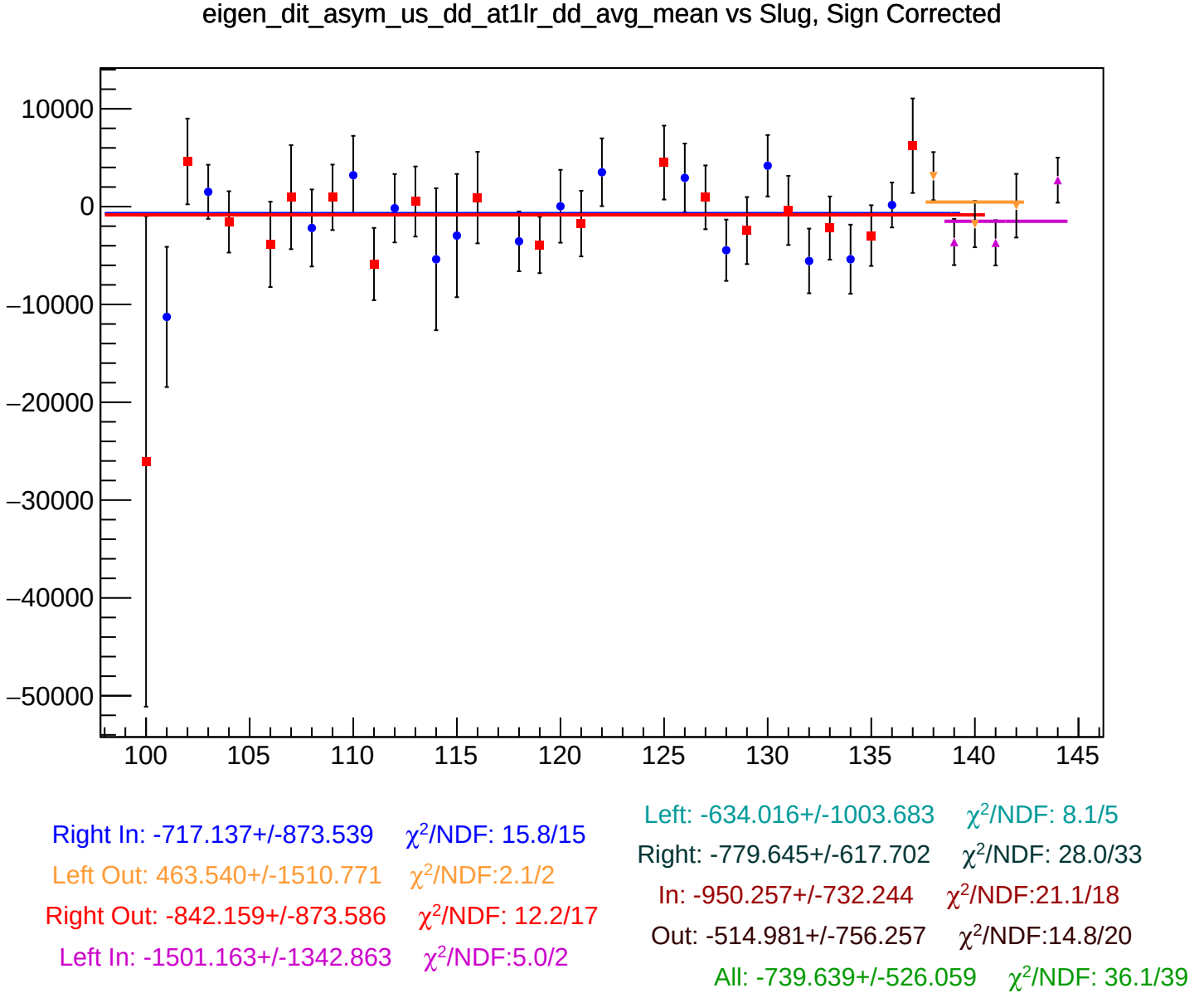
Left: 186.132+/-0.062 χ^2/NDF: 163565.7/5

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 193.321+/-0.052 χ^2/NDF:5757482.5/18

Out: 167.349+/-0.050 χ^2/NDF:7102843.2/20

All: 179.843+/-0.036 χ^2/NDF: 12989188.5/39


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
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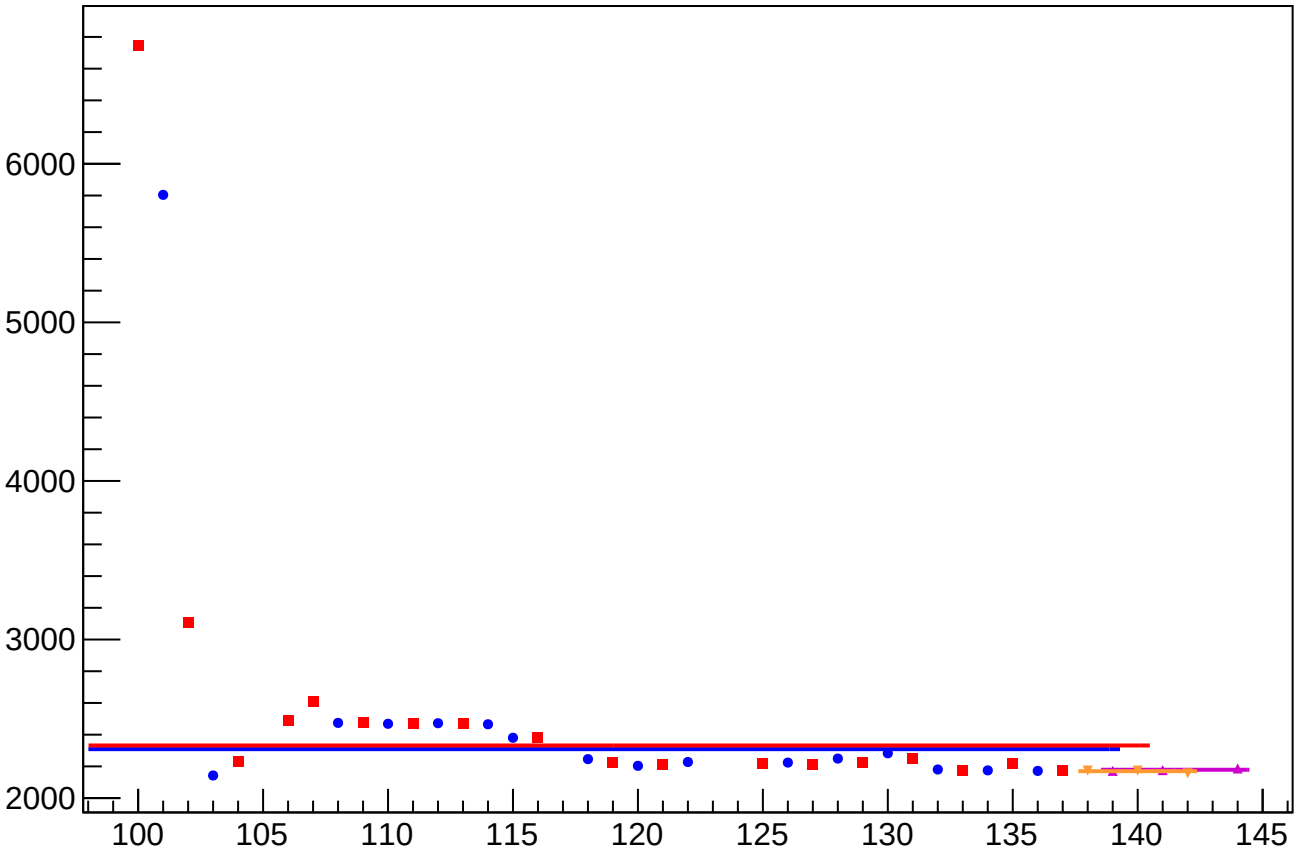
Right In: -717.137+/-873.539 χ²/NDF: 15.8/15
Left Out: 463.540+/-1510.771 χ²/NDF:2.1/2
Right Out: -842.159+/-873.586 χ²/NDF: 12.2/17
Left In: -1501.163+/-1342.863 χ²/NDF:5.0/2
Left: -634.016+/-1003.683 χ²/NDF: 8.1/5
Right: -779.645+/-617.702 χ²/NDF: 28.0/33
In: -950.257+/-732.244 χ²/NDF:21.1/18
Out: -514.981+/-756.257 χ²/NDF:14.8/20
All: -739.639+/-526.059 χ²/NDF: 36.1/39



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF:43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.681+/-0.950 χ^2/NDF:45.5/2

Left: 2174.742+/-0.710 χ^2/NDF: 128.0/5

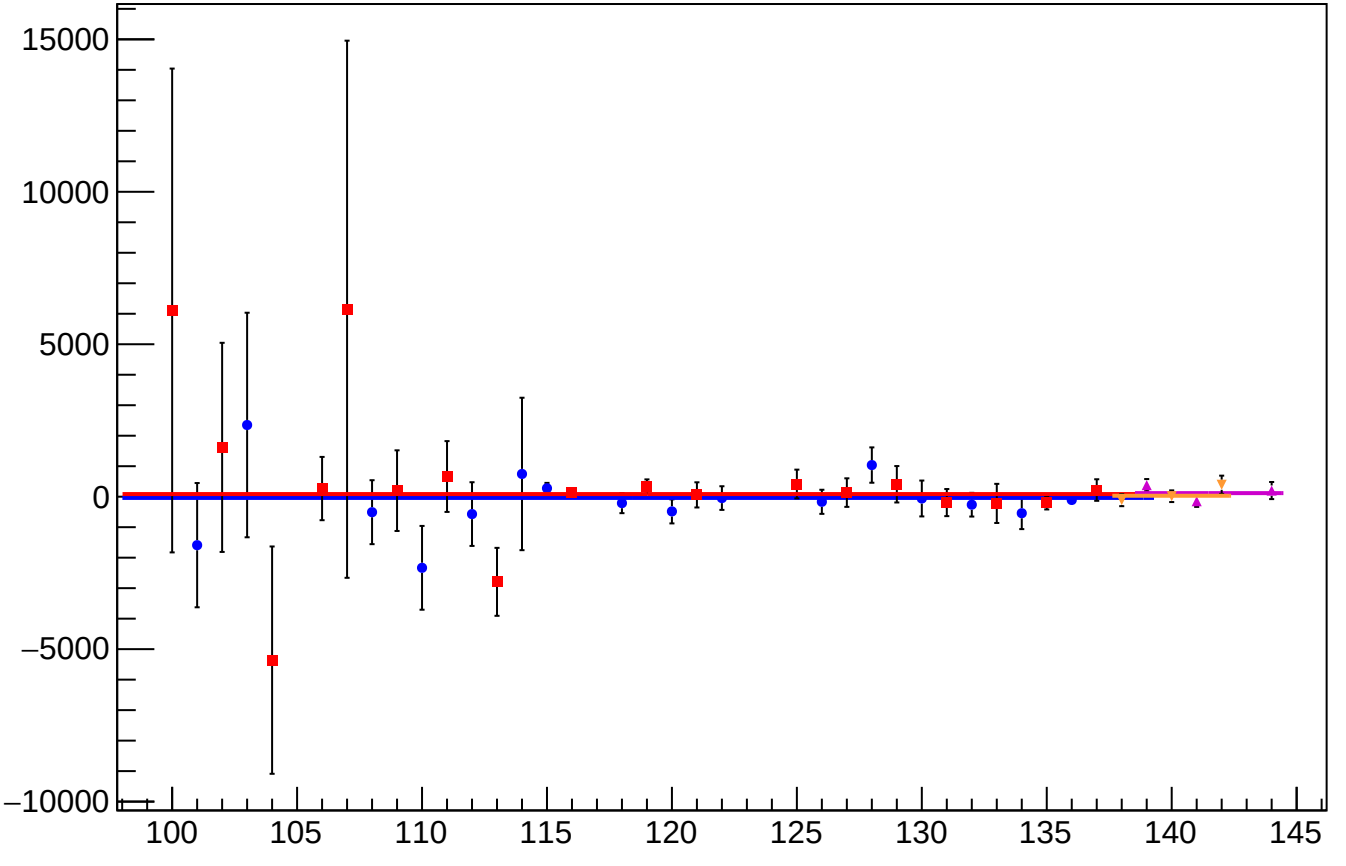
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2270.068+/-0.518 χ^2/NDF:526969.9/18

Out: 2291.233+/-0.535 χ^2/NDF:184619.0/20

All: 2280.309+/-0.372 χ^2/NDF: 712397.4/39

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: 30.963+/-125.348 χ^2/NDF:2.0/2

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 117.231+/-122.202 χ^2/NDF:3.9/2

Left: 75.193+/-87.501 χ^2/NDF: 6.1/5

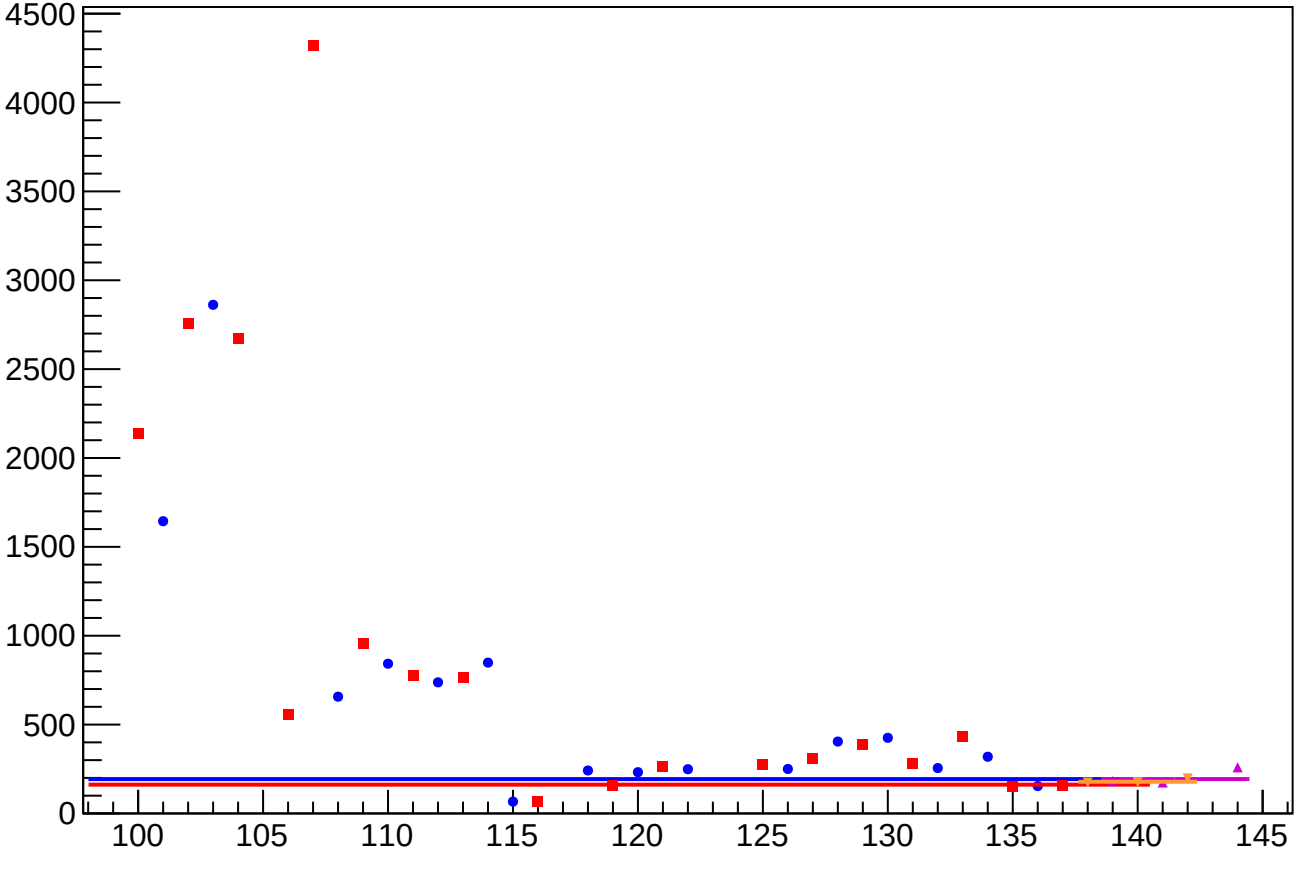
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 17.127+/-73.707 χ^2/NDF:19.0/18

Out: 68.619+/-70.963 χ^2/NDF:17.1/20

All: 43.849+/-51.121 χ^2/NDF: 36.3/39

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: 178.450+/-0.089 χ^2/NDF:9272.8/2

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 193.436+/-0.086 χ^2/NDF:139626.5/2

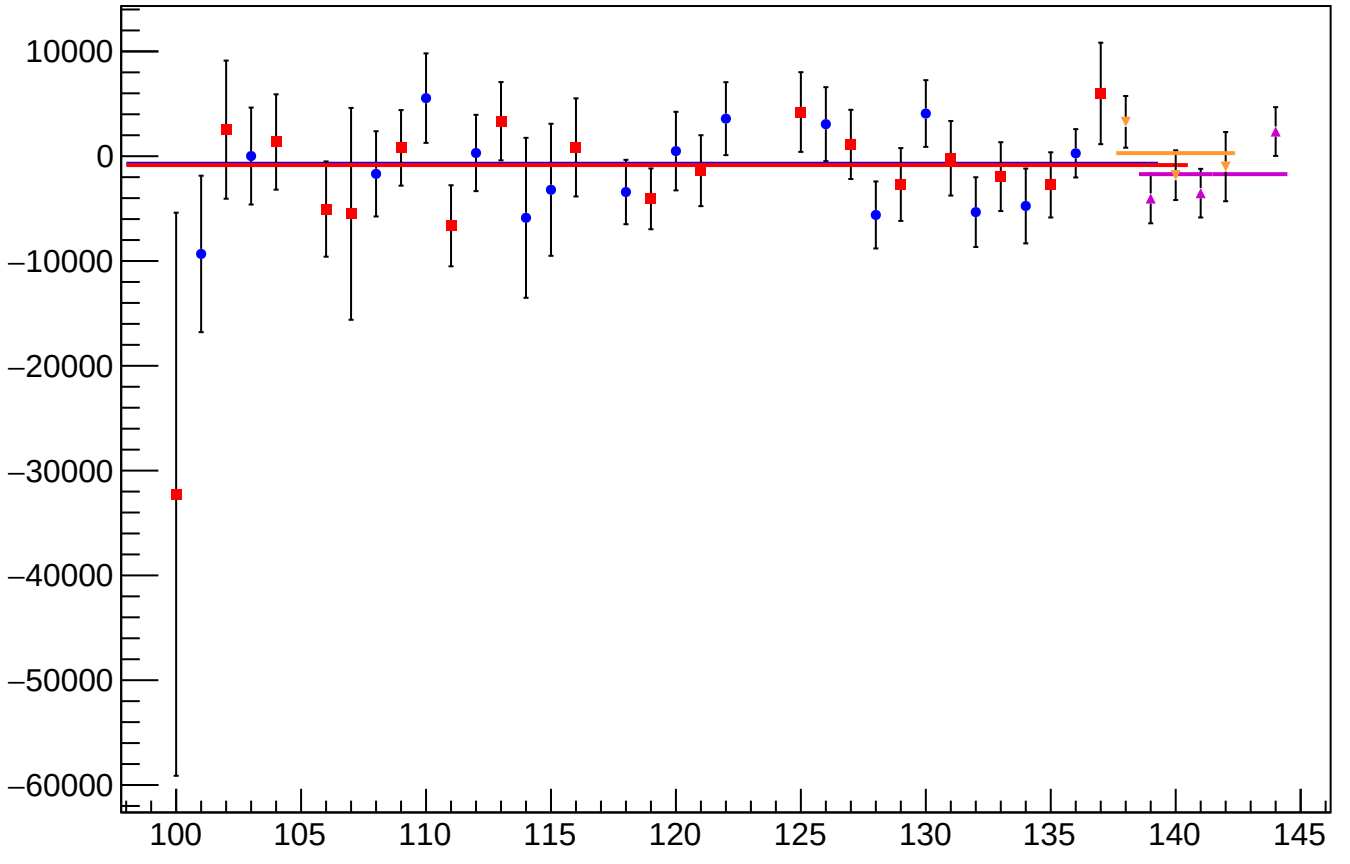
Left: 186.133+/-0.062 χ^2/NDF: 163555.8/5

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 193.320+/-0.052 χ^2/NDF:5757513.5/18

Out: 167.348+/-0.050 χ^2/NDF:7102909.2/20

All: 179.842+/-0.036 χ^2/NDF: 12989288.1/39



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: 291.362+/-1519.229 χ^2/NDF:2.4/2

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1712.250+/-1349.959 χ^2/NDF:4.6/2

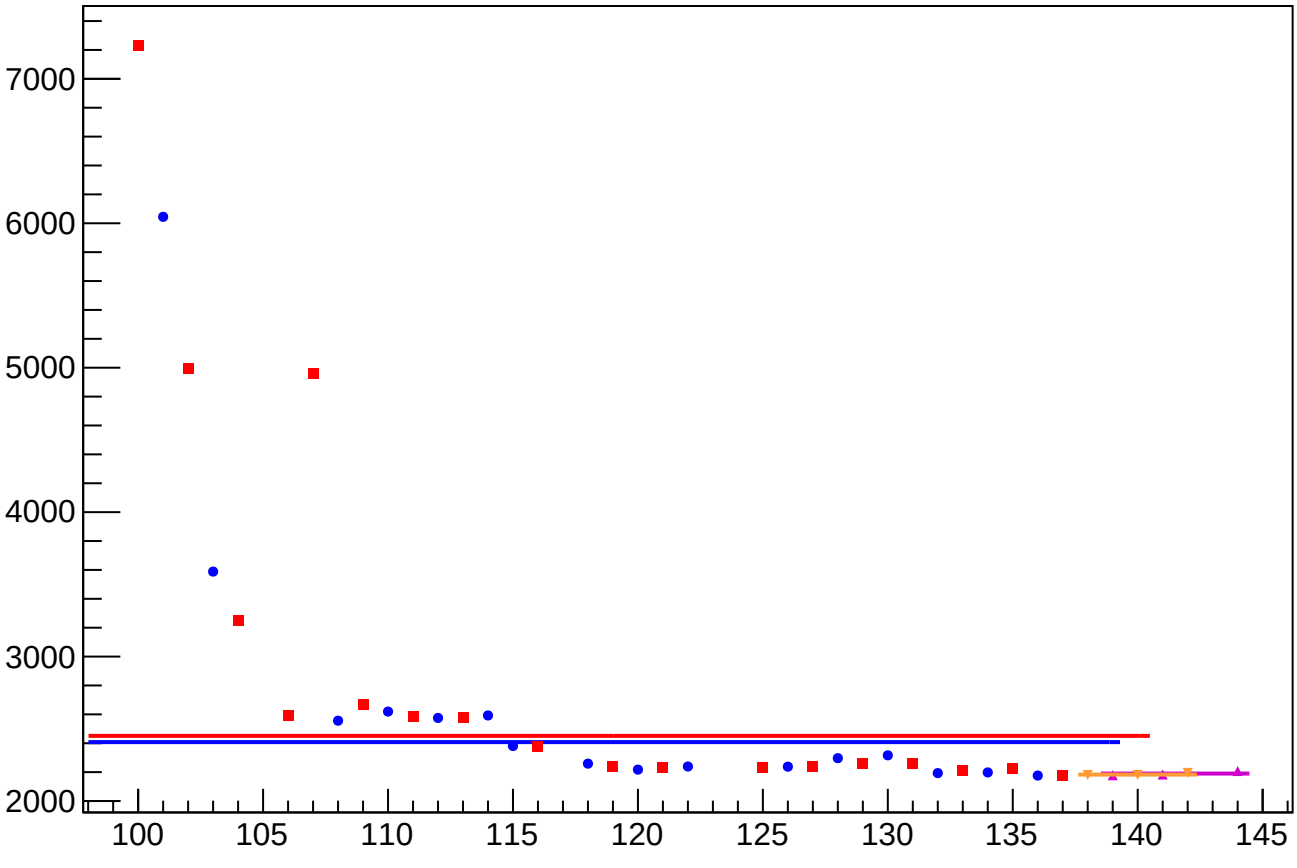
Left: -828.239+/-1009.126 χ^2/NDF: 8.0/5

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1032.629+/-758.108 χ^2/NDF:20.8/18

Out: -535.735+/-792.379 χ^2/NDF:15.7/20

All: -795.159+/-547.778 χ^2/NDF: 36.7/39



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2183.135+/-1.074 χ^2/NDF:29.2/2

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2190.153+/-0.955 χ^2/NDF:177.9/2

Left: 2187.056+/-0.714 χ^2/NDF: 230.9/5

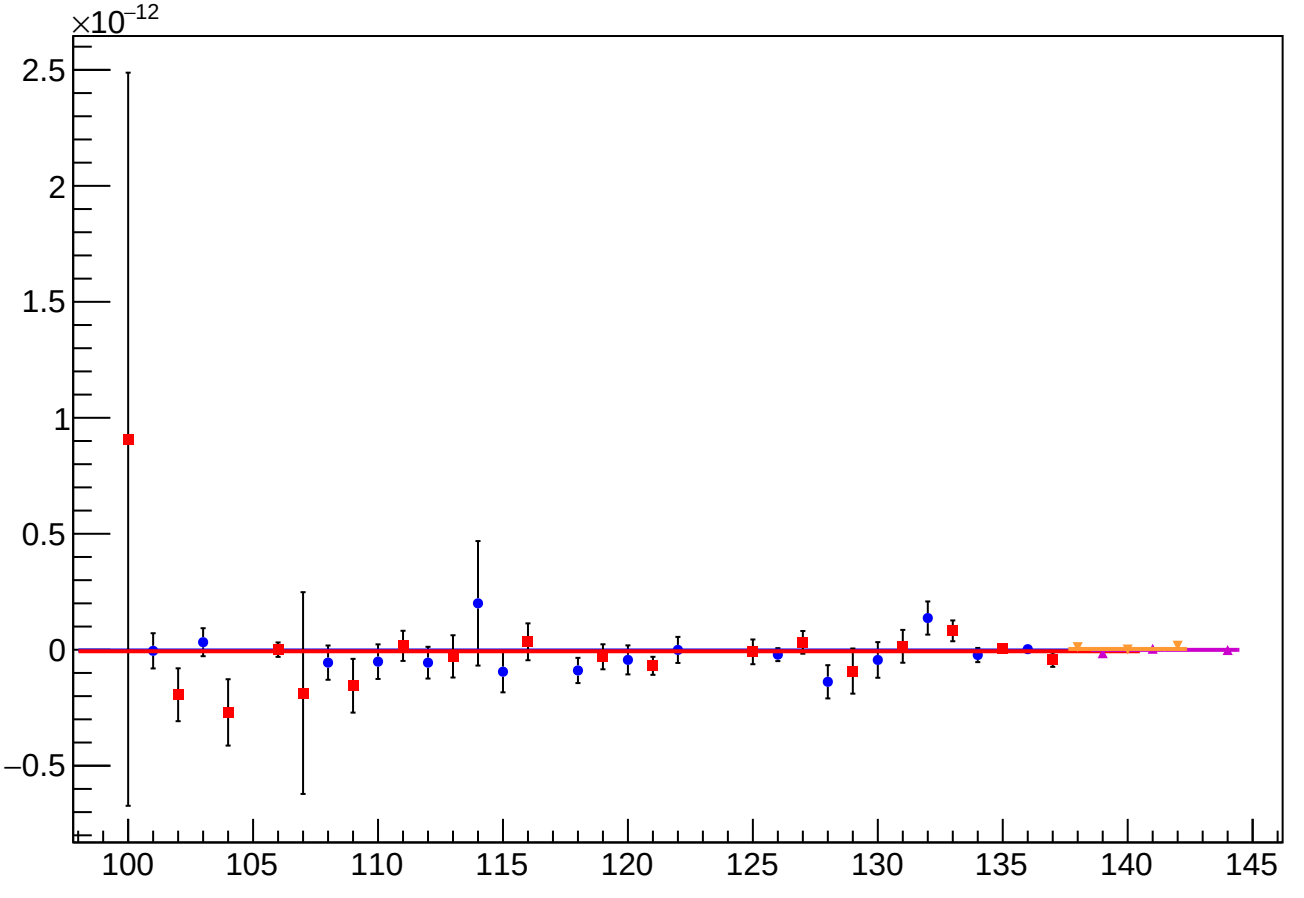
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2339.157+/-0.536 χ^2/NDF:712659.2/18

Out: 2378.270+/-0.560 χ^2/NDF:678954.7/20

All: 2357.849+/-0.387 χ^2/NDF: 1394158.1/39

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:2.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

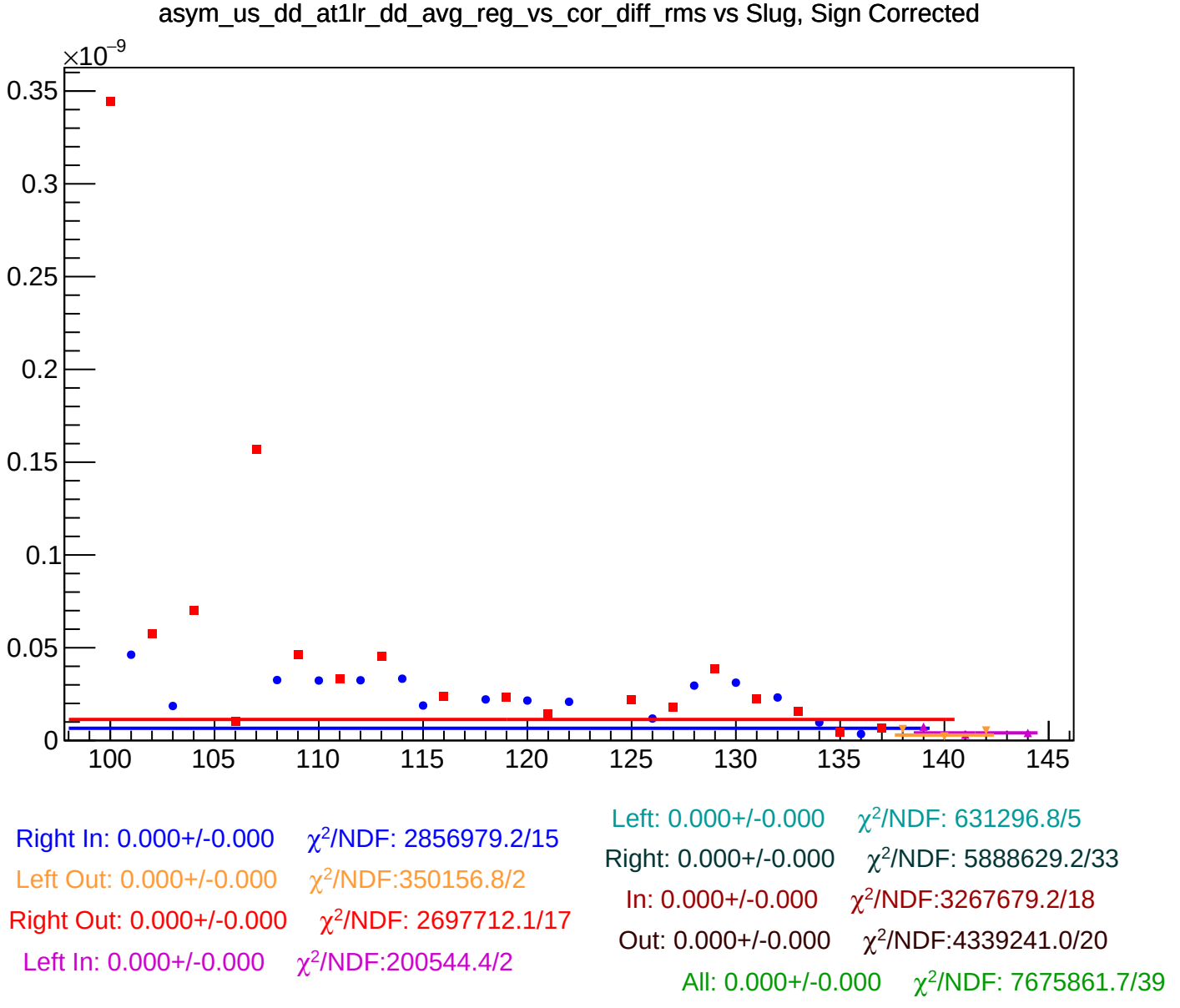
Left: 0.000+/-0.000 χ^2/NDF: 4.6/5

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:17.7/18

Out: 0.000+/-0.000 χ^2/NDF:21.9/20

All: 0.000+/-0.000 χ^2/NDF: 40.2/39


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
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0.25
0.2
0.15
0.1
0.05
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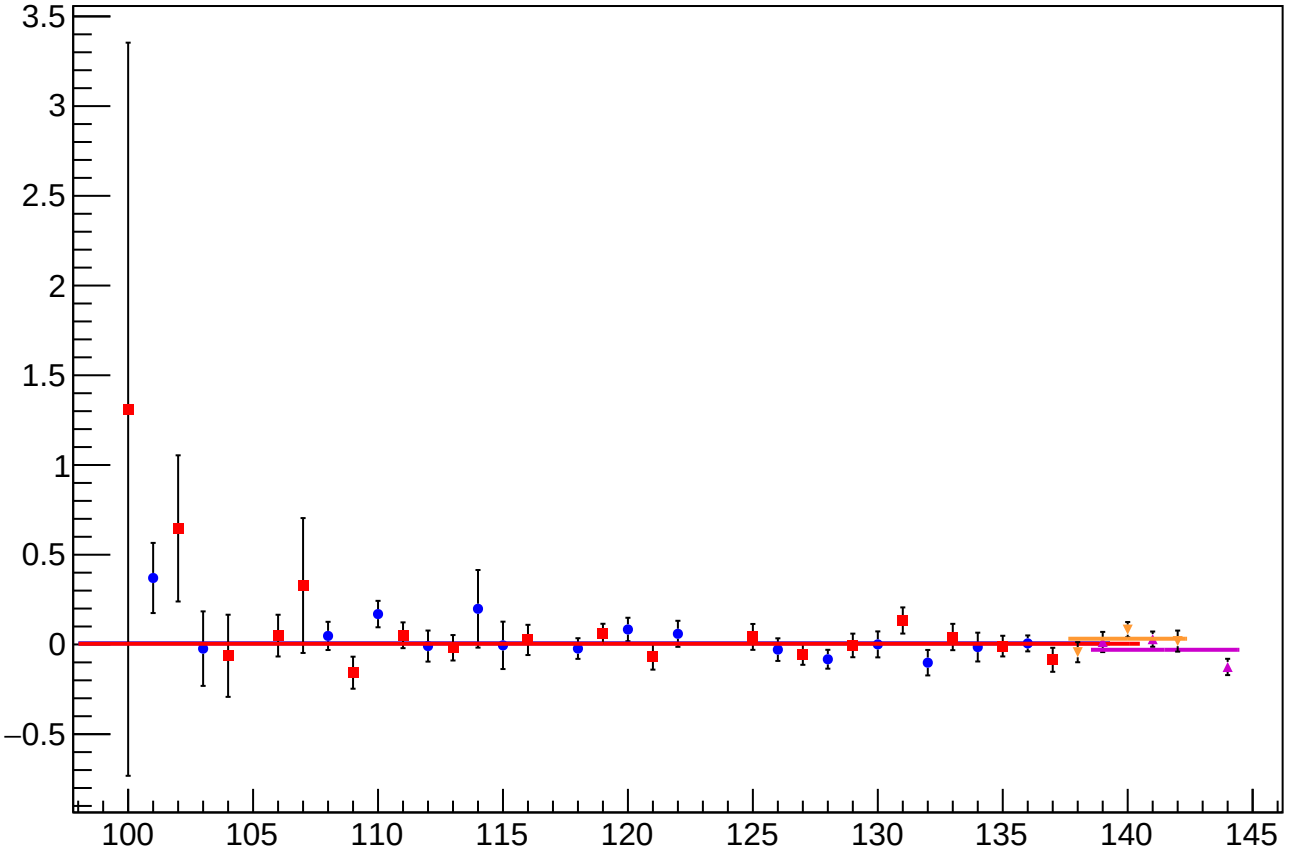
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:350156.8/2
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:200544.4/2
Left: 0.000+/-0.000 χ²/NDF: 631296.8/5
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:3267679.2/18
Out: 0.000+/-0.000 χ²/NDF:4339241.0/20
All: 0.000+/-0.000 χ²/NDF: 7675861.7/39

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.030+/-0.027 χ^2/NDF:7.0/2

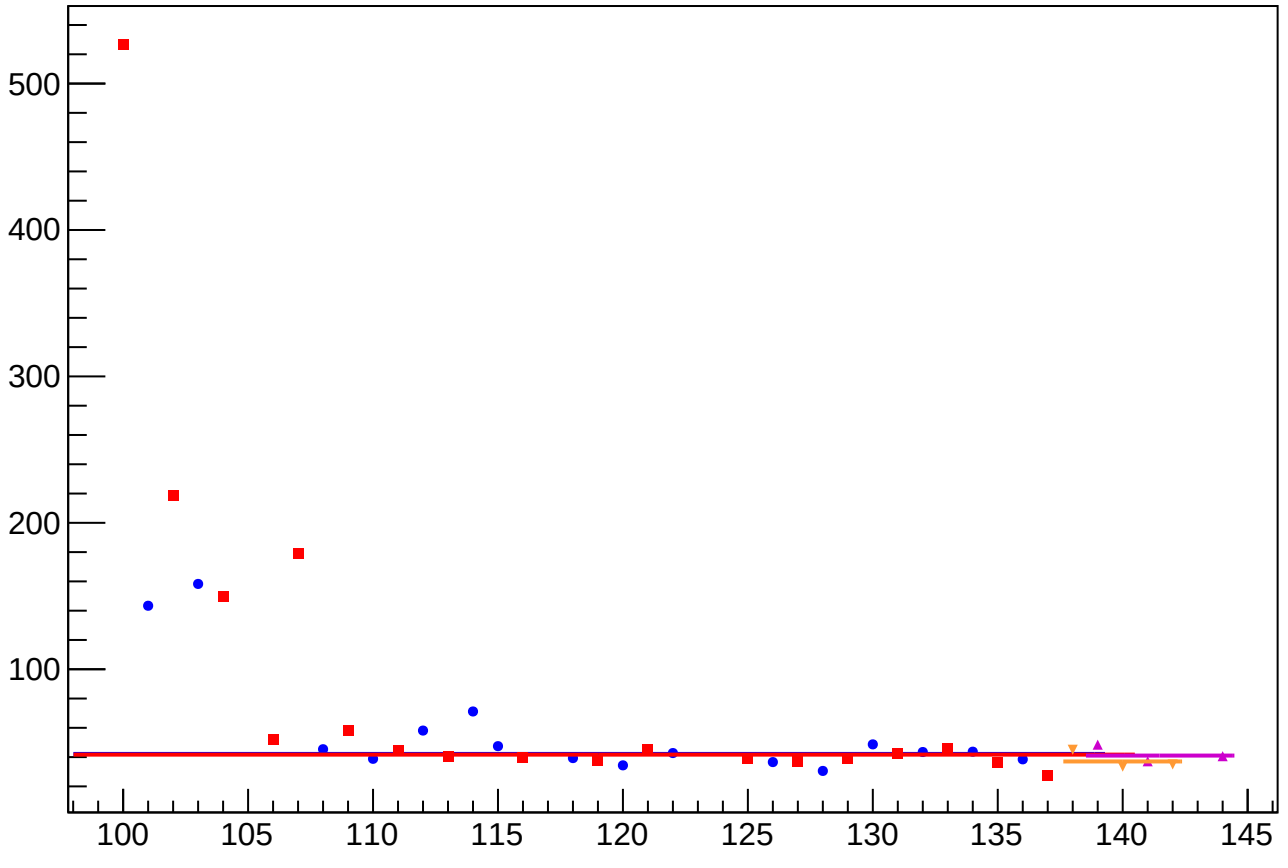
Left: -0.001+/-0.020 χ^2/NDF: 12.6/5

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.015 χ^2/NDF:25.4/18

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.003+/-0.011 χ^2/NDF: 46.2/39



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.044+/-0.019 χ^2/NDF:52147.3/2

Left: 39.190+/-0.014 χ^2/NDF: 129537.9/5

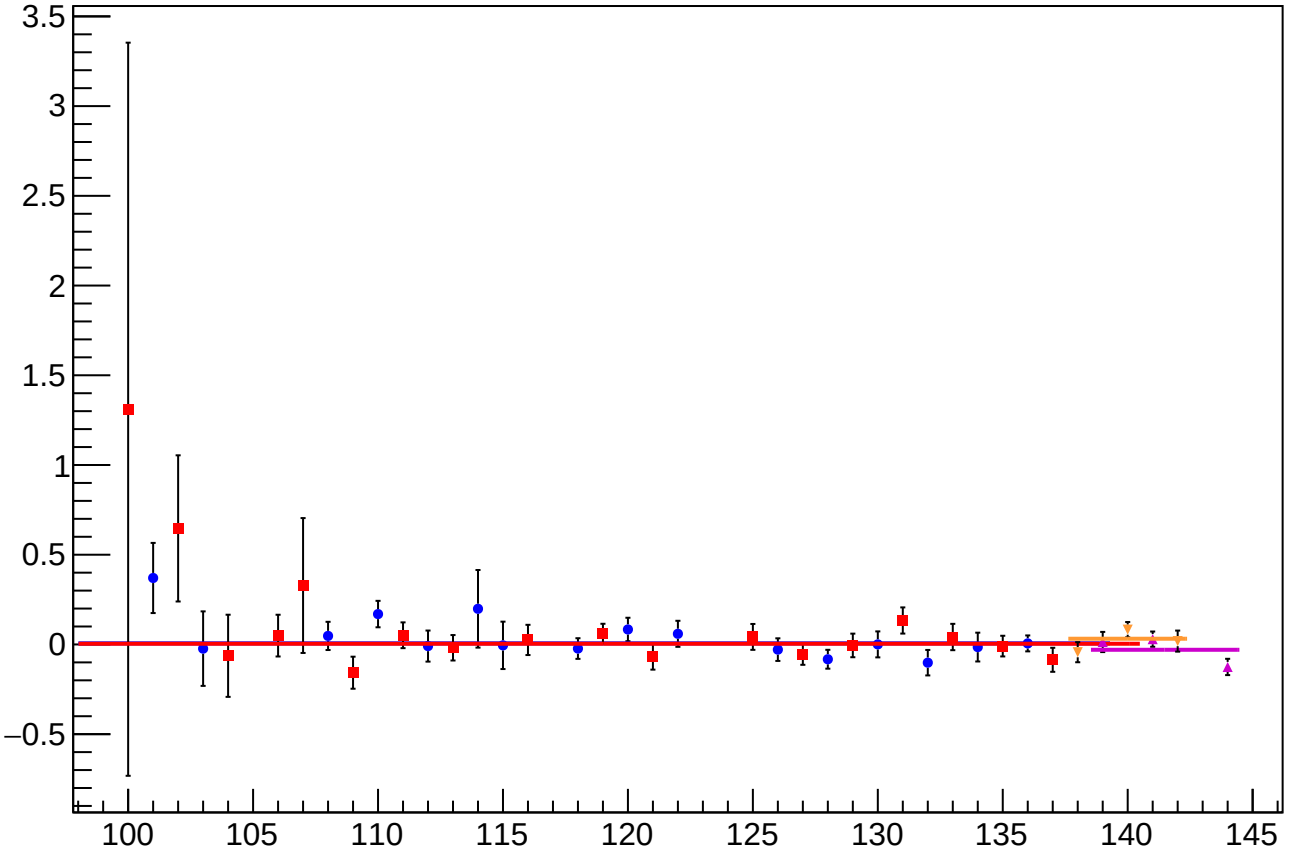
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.817+/-0.011 χ^2/NDF:1508872.8/18

Out: 40.356+/-0.011 χ^2/NDF:1534483.4/20

All: 41.112+/-0.008 χ^2/NDF: 3052309.6/39

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.030+/-0.027 χ^2/NDF:7.0/2

Left: -0.001+/-0.020 χ^2/NDF: 12.6/5

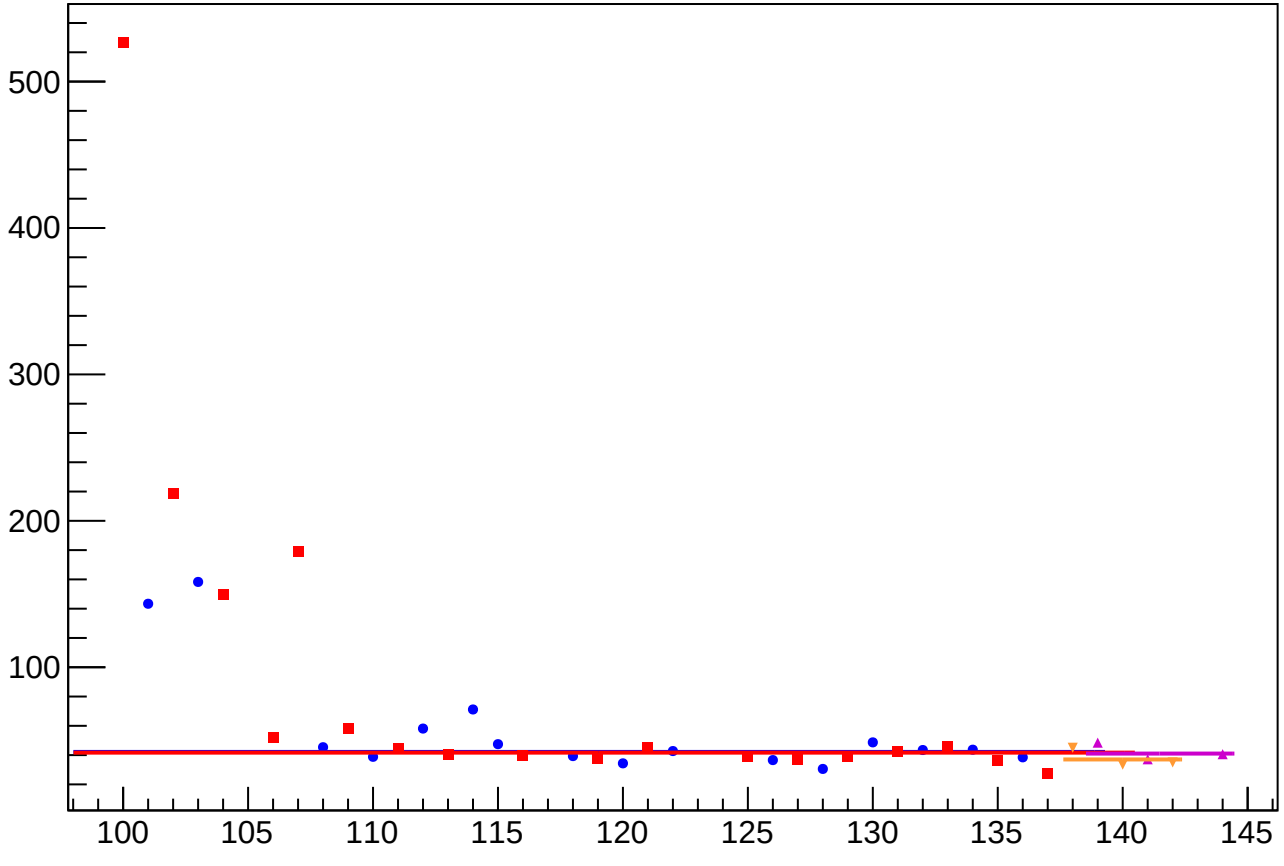
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.015 χ^2/NDF:25.4/18

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.003+/-0.011 χ^2/NDF: 46.2/39

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.044+/-0.019 χ^2/NDF:52147.3/2

Left: 39.190+/-0.014 χ^2/NDF: 129537.9/5

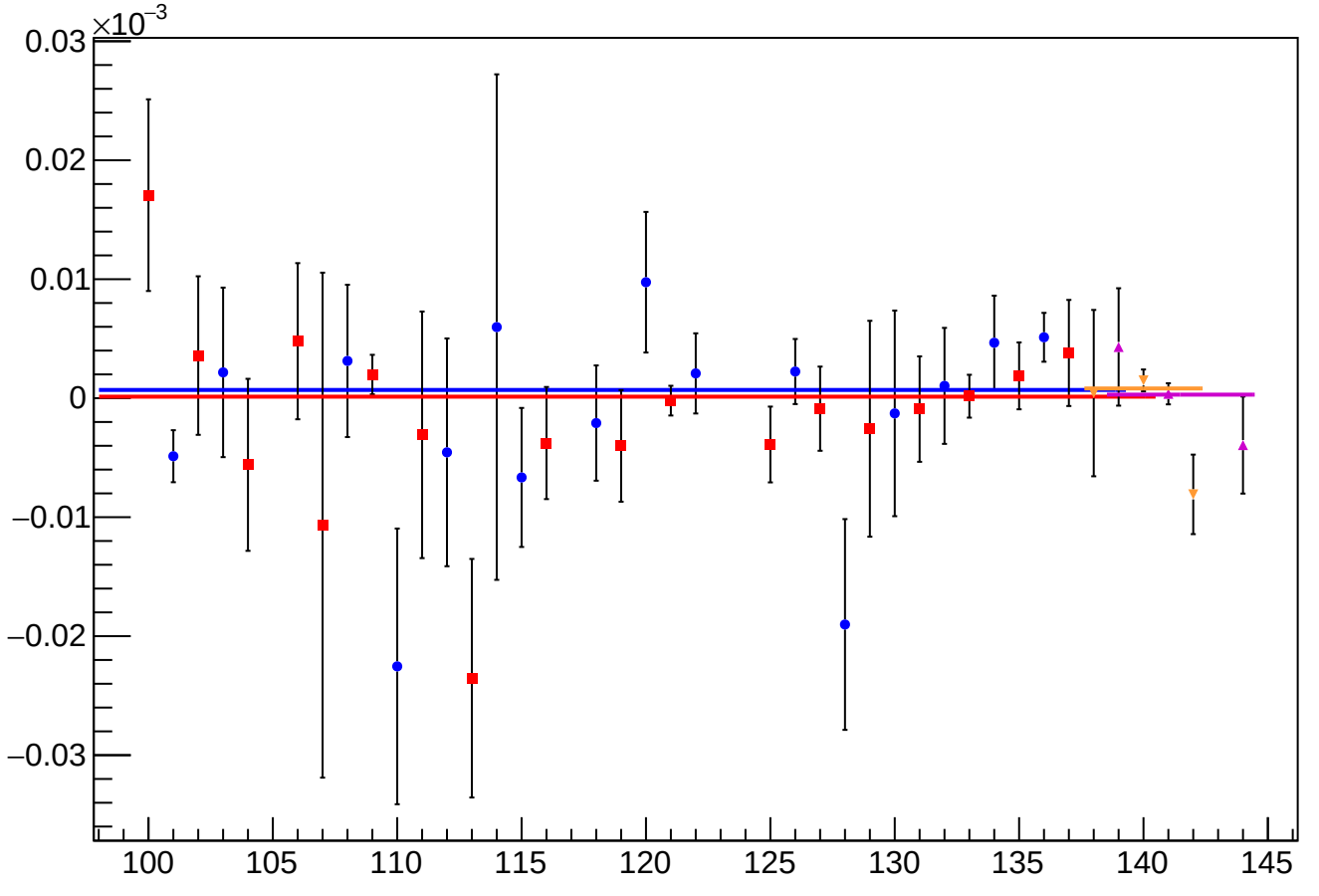
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.817+/-0.011 χ^2/NDF:1508872.8/18

Out: 40.356+/-0.011 χ^2/NDF:1534483.4/20

All: 41.112+/-0.008 χ^2/NDF: 3052309.6/39

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/2

Left: 0.000+/-0.000 χ^2/NDF: 9.6/5

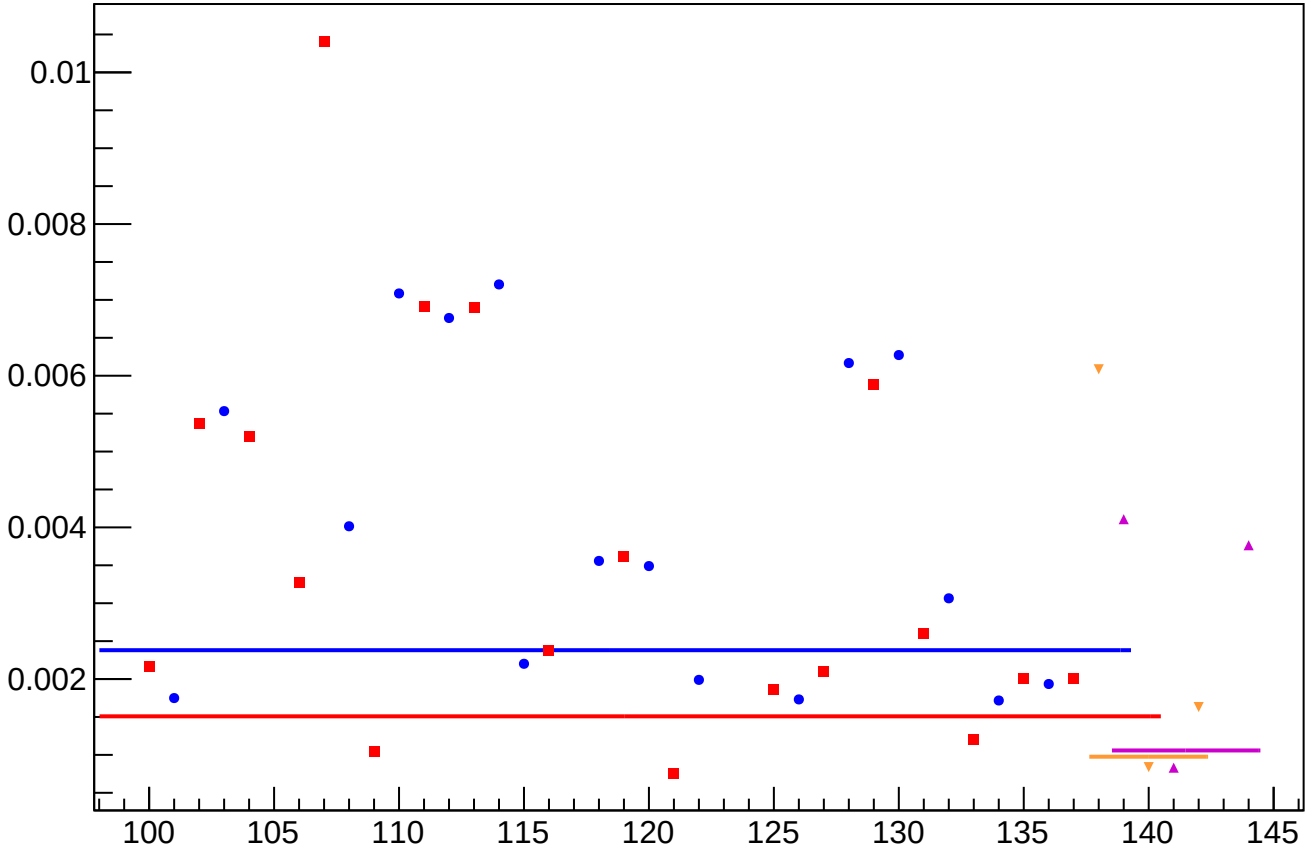
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:28.3/18

Out: 0.000+/-0.000 χ^2/NDF:25.4/20

All: 0.000+/-0.000 χ^2/NDF: 53.8/39

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:1189765.3/2

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1775828.2/2

Left: 0.001+/-0.000 χ^2/NDF: 2974657.3/5

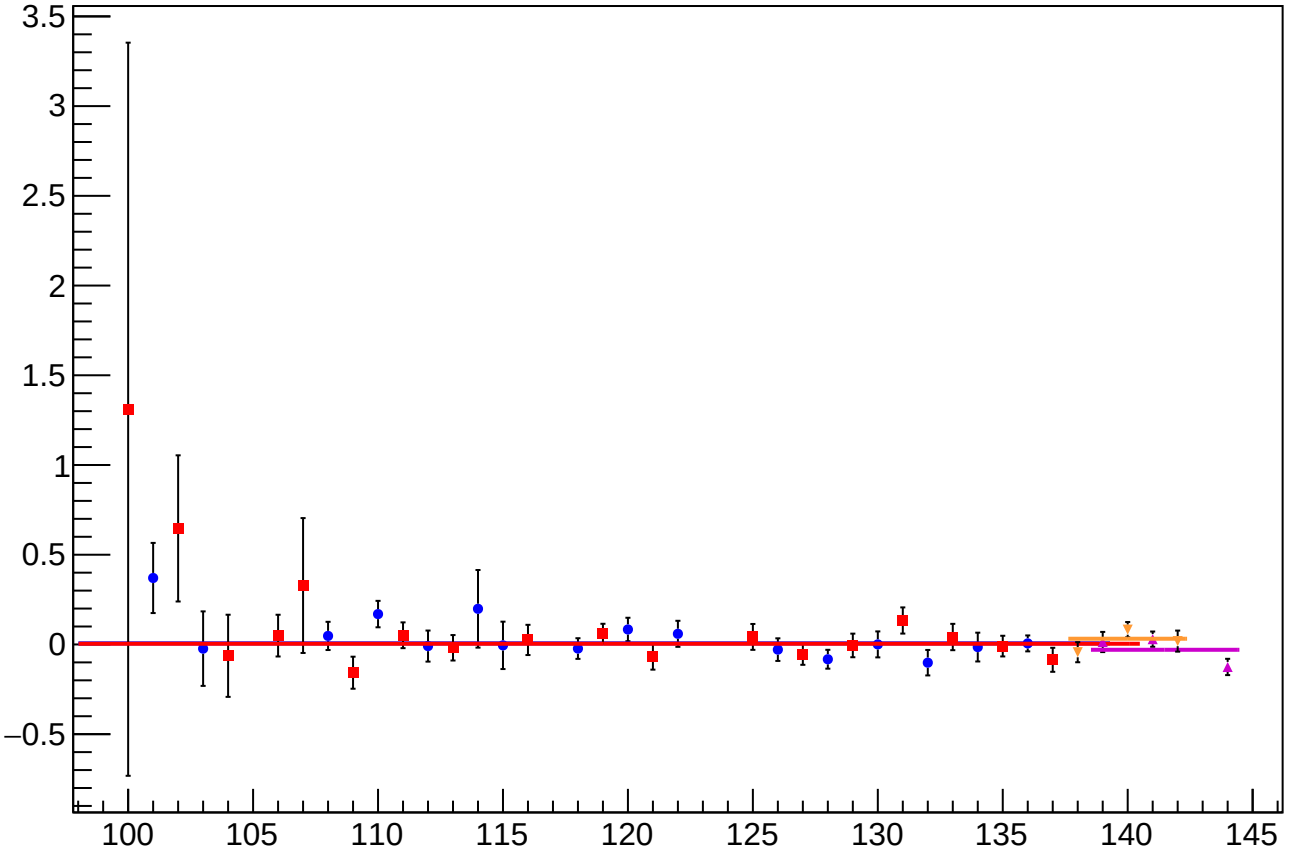
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6588971.4/18

Out: 0.001+/-0.000 χ^2/NDF:6631076.7/20

All: 0.001+/-0.000 χ^2/NDF: 13482055.6/39

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.030+/-0.027 χ^2/NDF:7.0/2

Left: -0.001+/-0.020 χ^2/NDF: 12.6/5

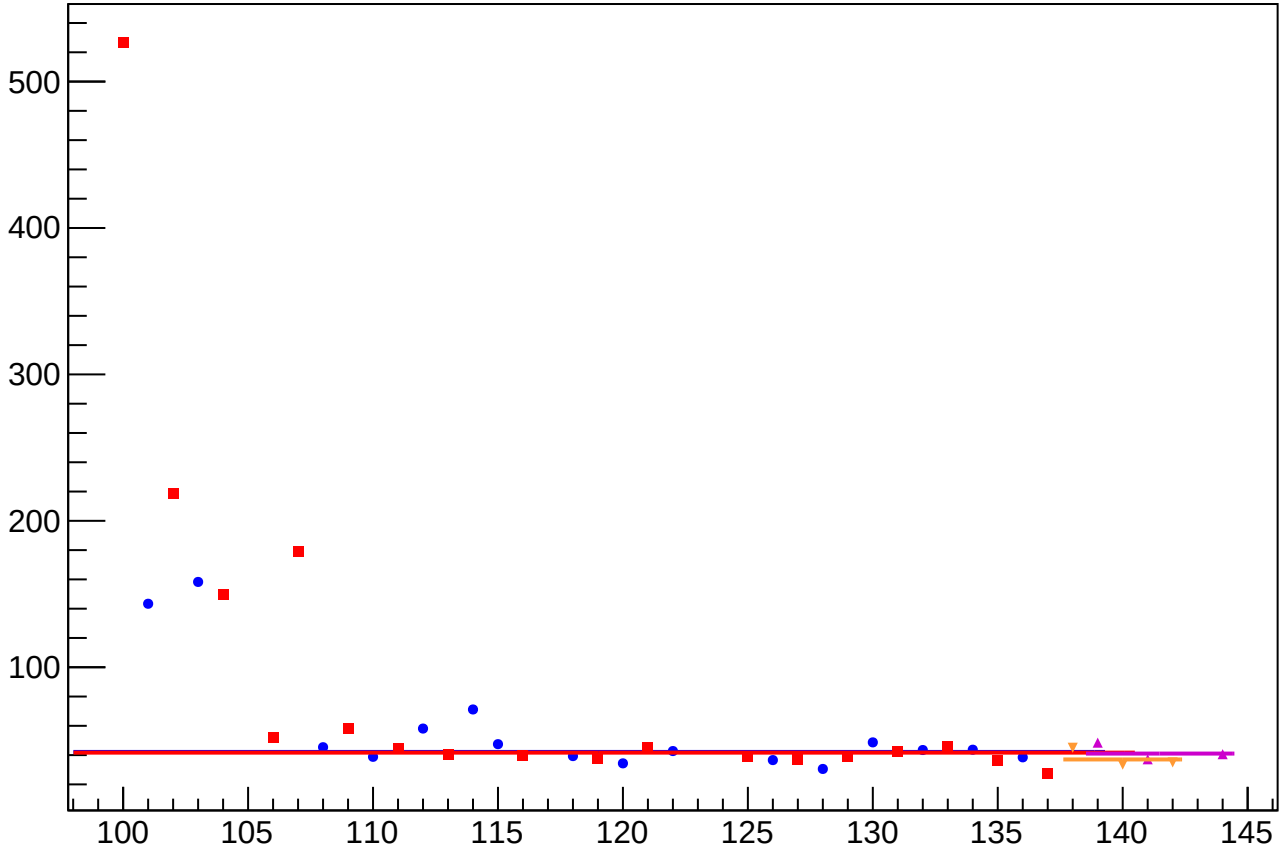
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.015 χ^2/NDF:25.4/18

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.003+/-0.011 χ^2/NDF: 46.2/39

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57224.7/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.044+/-0.019 χ^2/NDF:52153.7/2

Left: 39.191+/-0.014 χ^2/NDF: 129526.4/5

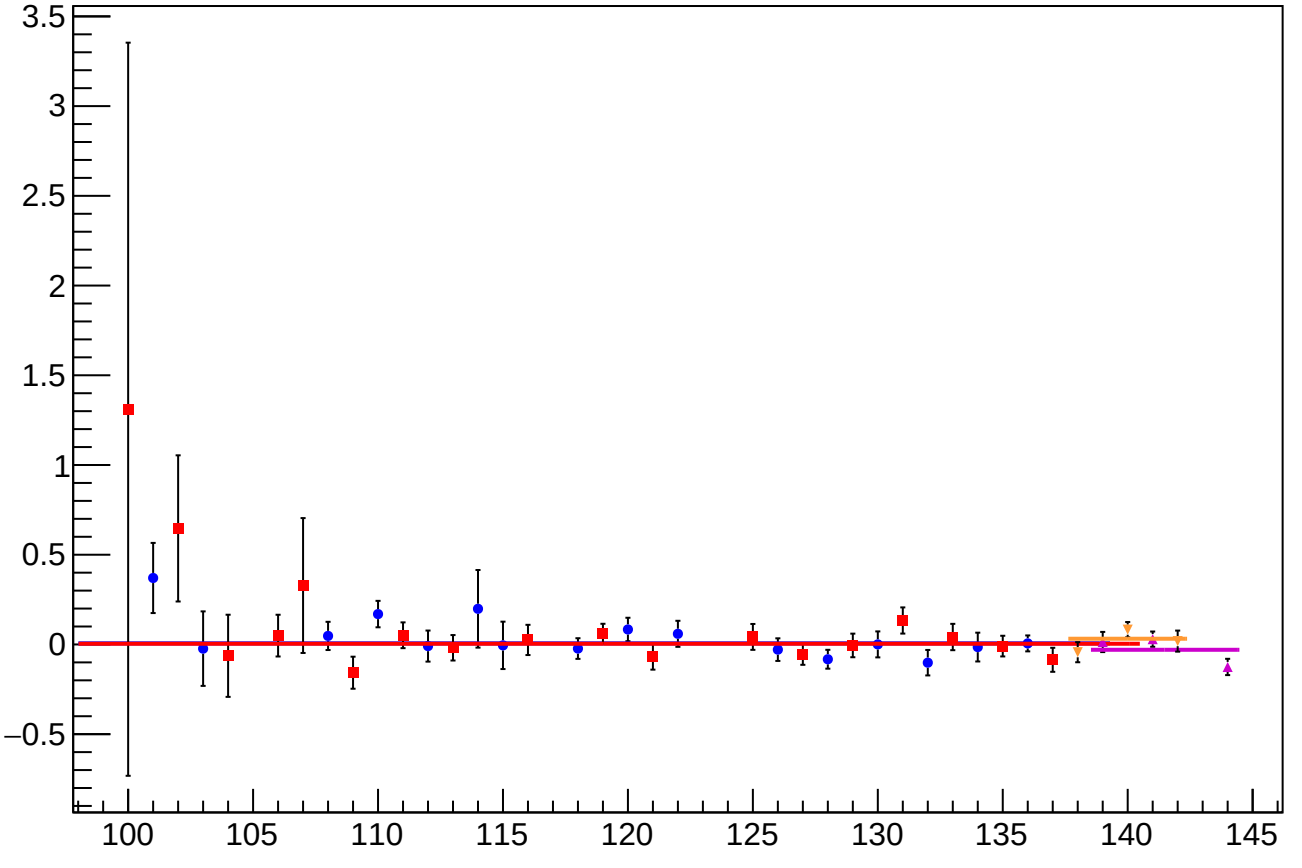
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.815+/-0.011 χ^2/NDF:1509081.3/18

Out: 40.357+/-0.011 χ^2/NDF:1534446.8/20

All: 41.112+/-0.008 χ^2/NDF: 3052457.0/39

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.030+/-0.027 χ^2/NDF:7.0/2

Left: -0.001+/-0.020 χ^2/NDF: 12.6/5

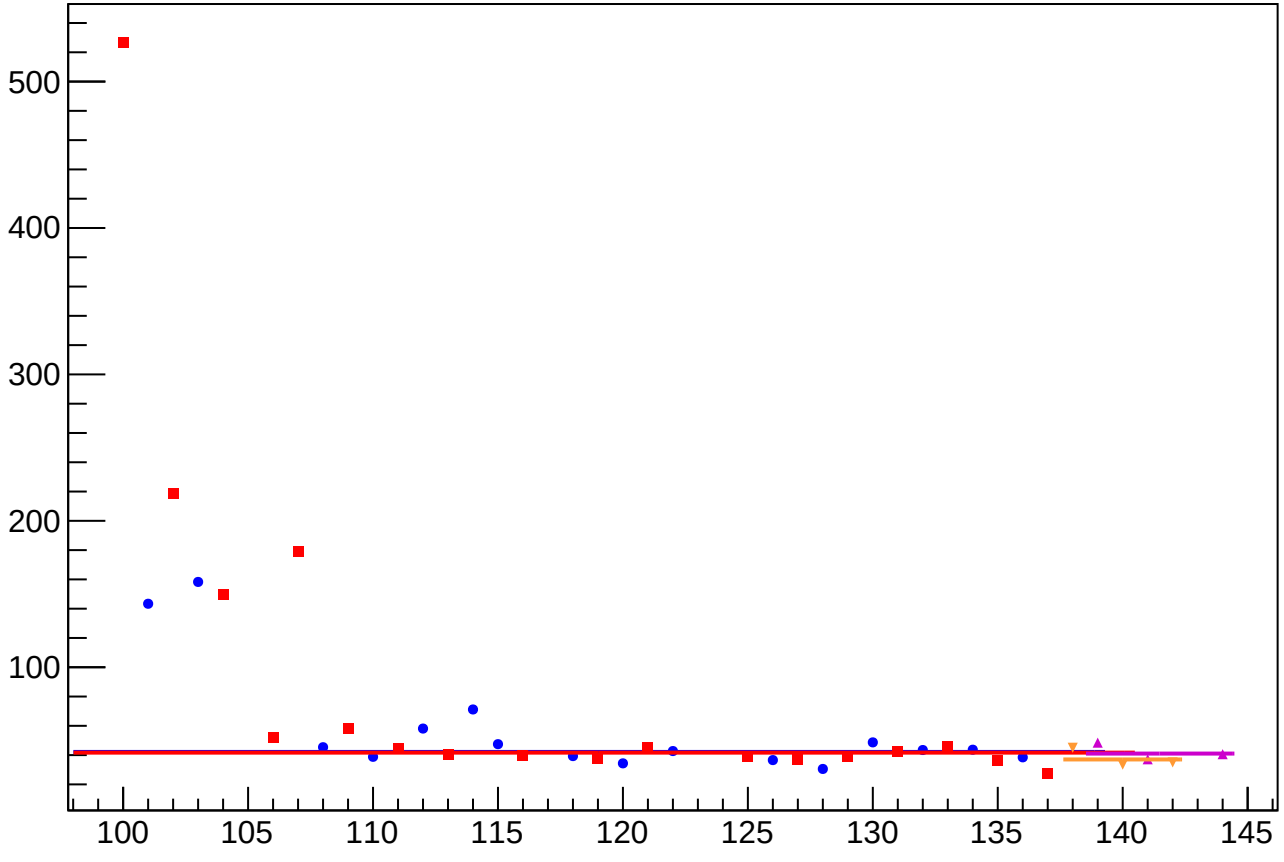
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.015 χ^2/NDF:25.4/18

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.003+/-0.011 χ^2/NDF: 46.2/39

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.030+/-0.021 χ^2/NDF:57224.7/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.044+/-0.019 χ^2/NDF:52153.7/2

Left: 39.191+/-0.014 χ^2/NDF: 129526.4/5

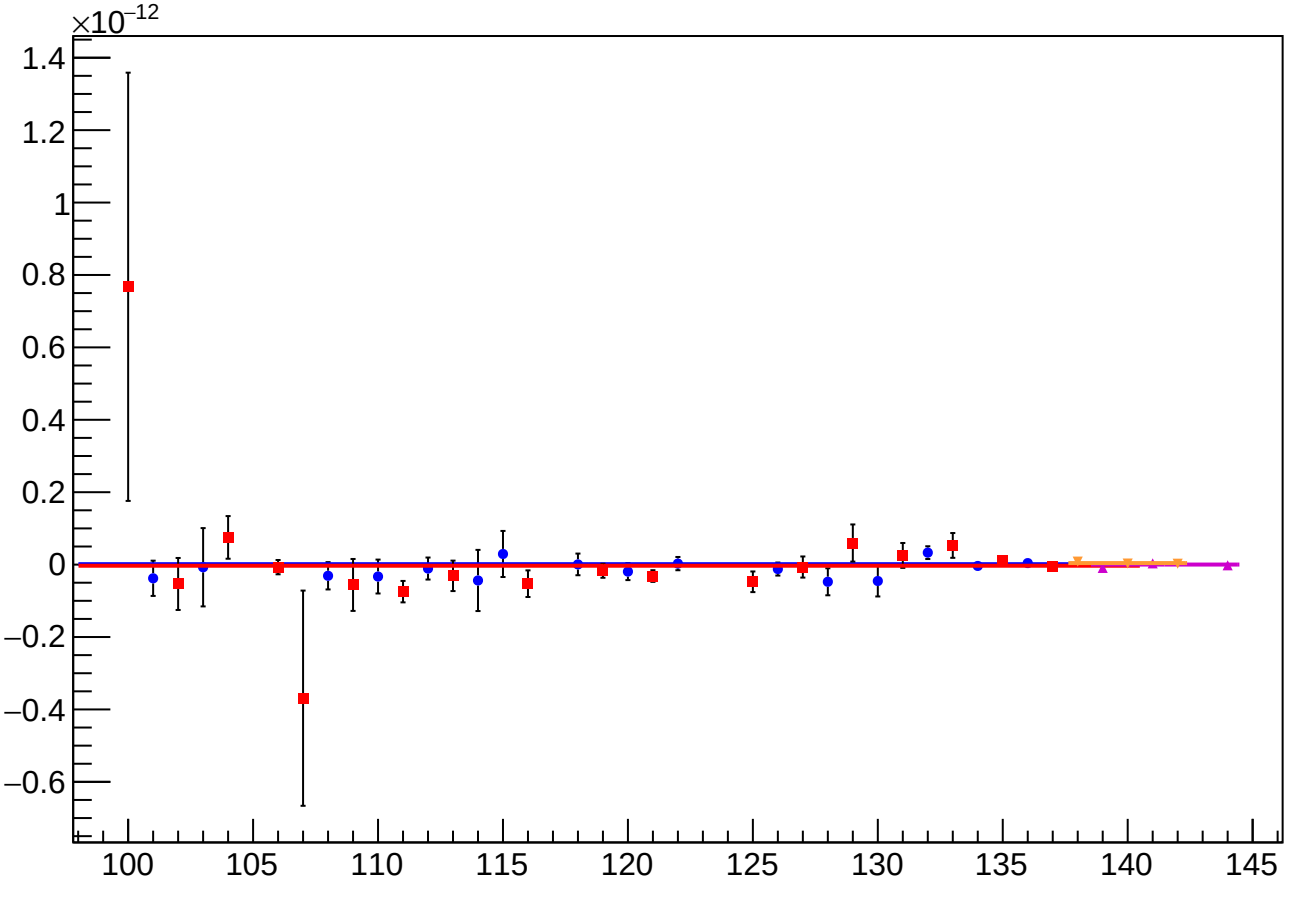
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.815+/-0.011 χ^2/NDF:1509081.3/18

Out: 40.357+/-0.011 χ^2/NDF:1534446.8/20

All: 41.112+/-0.008 χ^2/NDF: 3052457.0/39

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:1.0/2

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/2

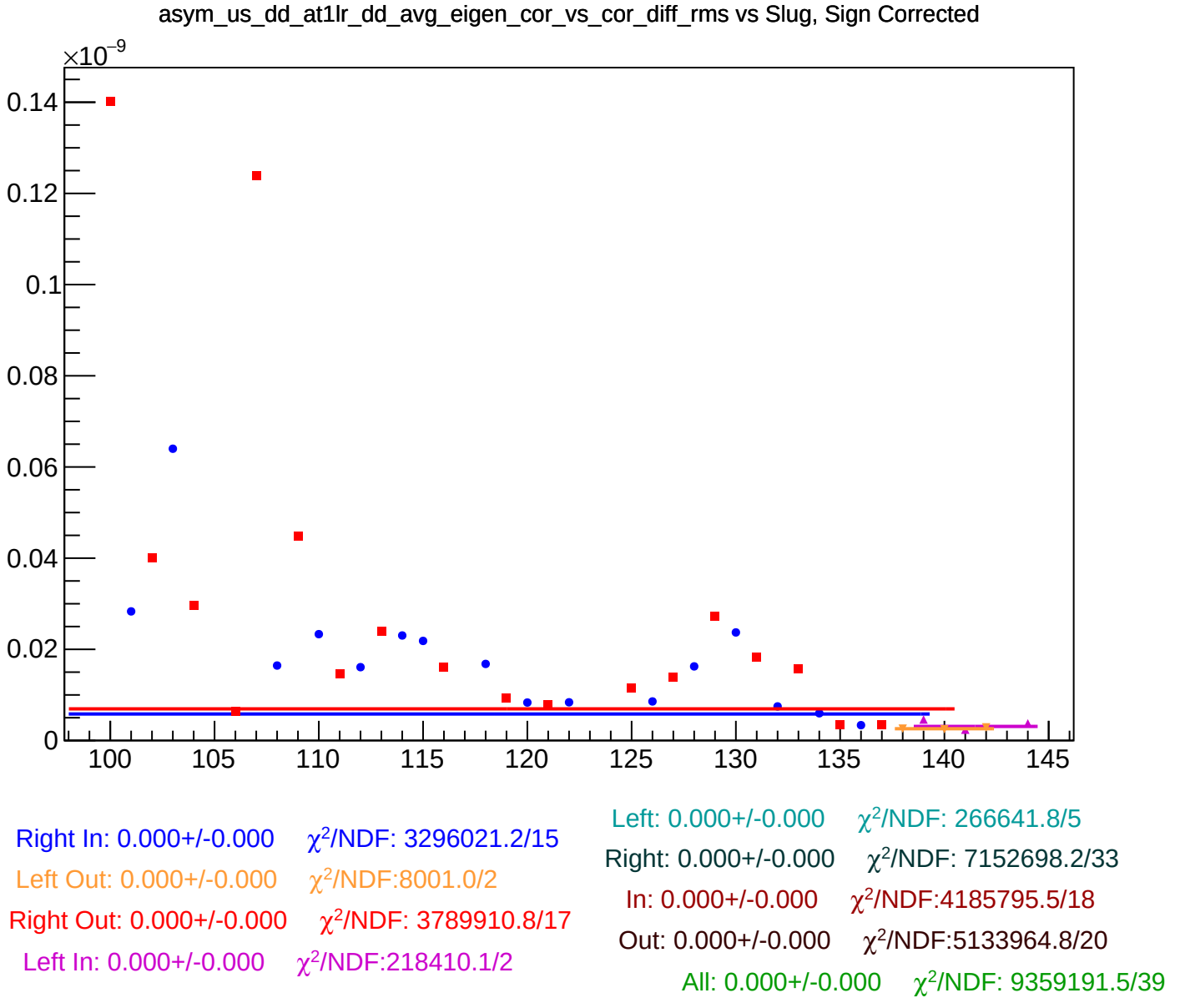
Left: 0.000+/-0.000 χ^2/NDF: 5.2/5

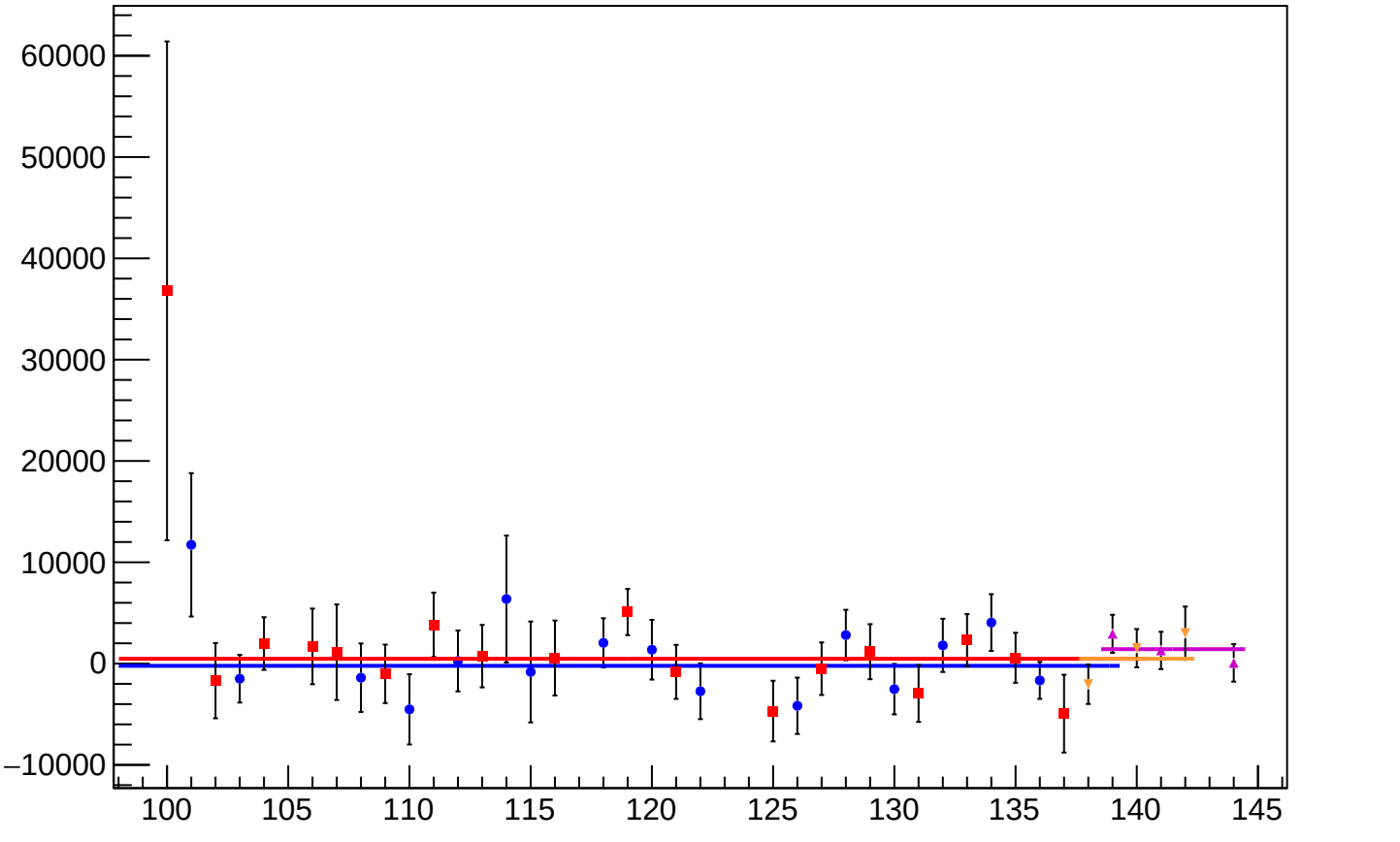
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:13.4/18

Out: 0.000+/-0.000 χ^2/NDF:31.7/20

All: 0.000+/-0.000 χ^2/NDF: 45.7/39


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8001.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:218410.1/2
Left: 0.000+/-0.000 χ²/NDF: 266641.8/5
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4185795.5/18
Out: 0.000+/-0.000 χ²/NDF:5133964.8/20
All: 0.000+/-0.000 χ²/NDF: 9359191.5/39



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 476.702+/-1204.465 χ^2/NDF:2.9/2

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 1422.082+/-1071.492 χ^2/NDF:1.2/2

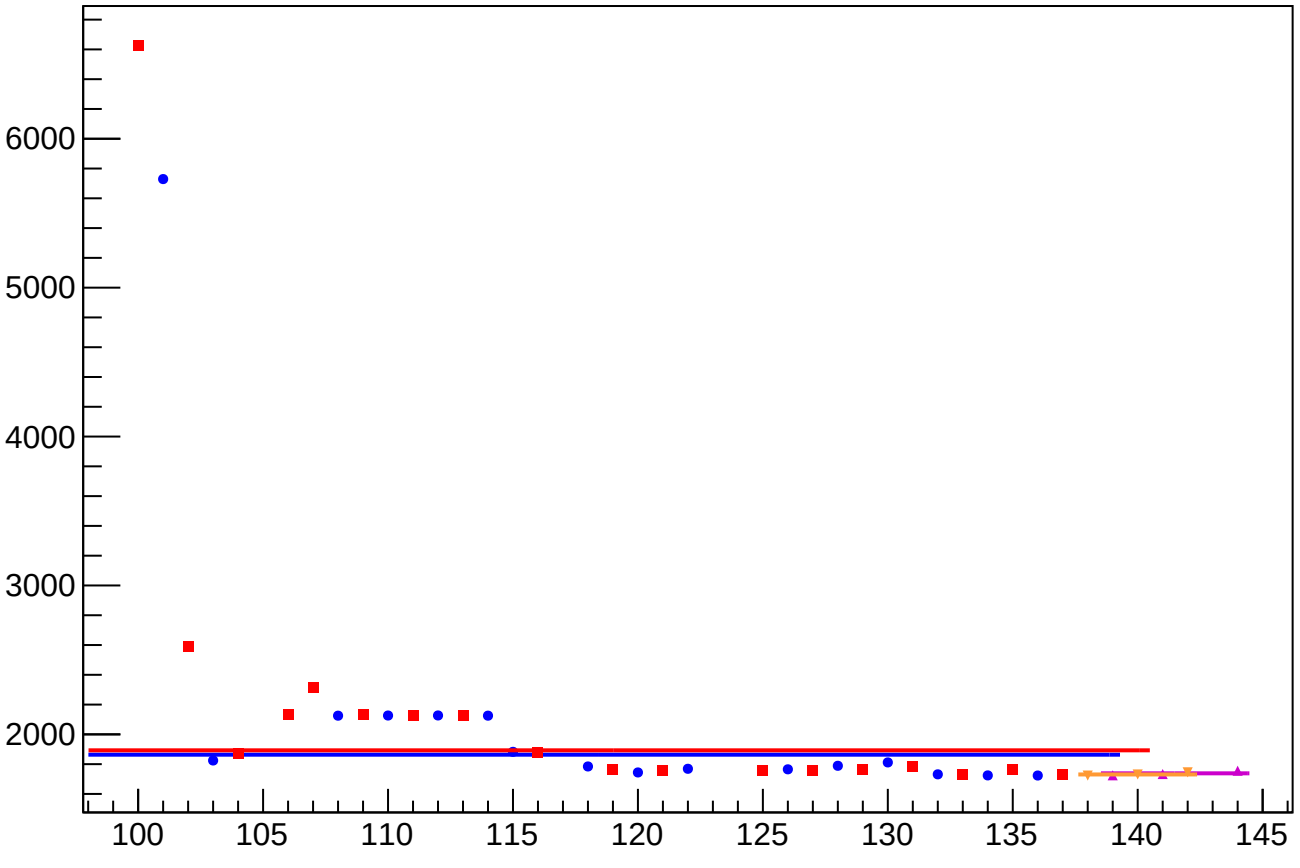
Left: 1004.438+/-800.561 χ^2/NDF: 4.4/5

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 278.109+/-591.364 χ^2/NDF:18.7/18

Out: 473.520+/-612.585 χ^2/NDF:18.8/20

All: 372.372+/-425.462 χ^2/NDF: 37.5/39



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

Left: 1735.018+/-0.566 χ^2/NDF: 425.0/5

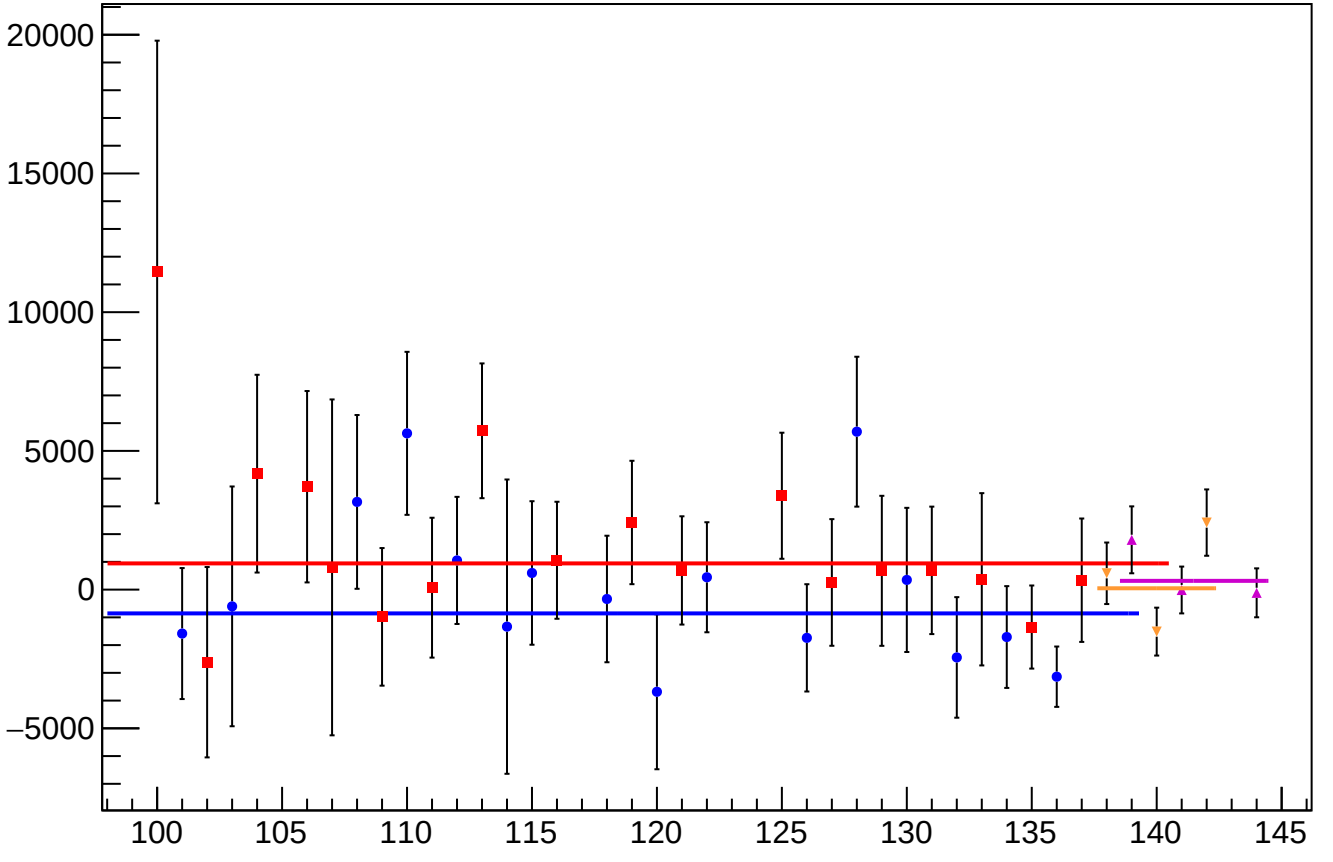
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1825.436+/-0.418 χ^2/NDF:693954.2/18

Out: 1850.946+/-0.433 χ^2/NDF:278444.5/20

All: 1837.741+/-0.301 χ^2/NDF: 974193.9/39

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 48.111+/-591.903 χ^2/NDF:7.4/2

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 315.583+/-544.082 χ^2/NDF:1.9/2

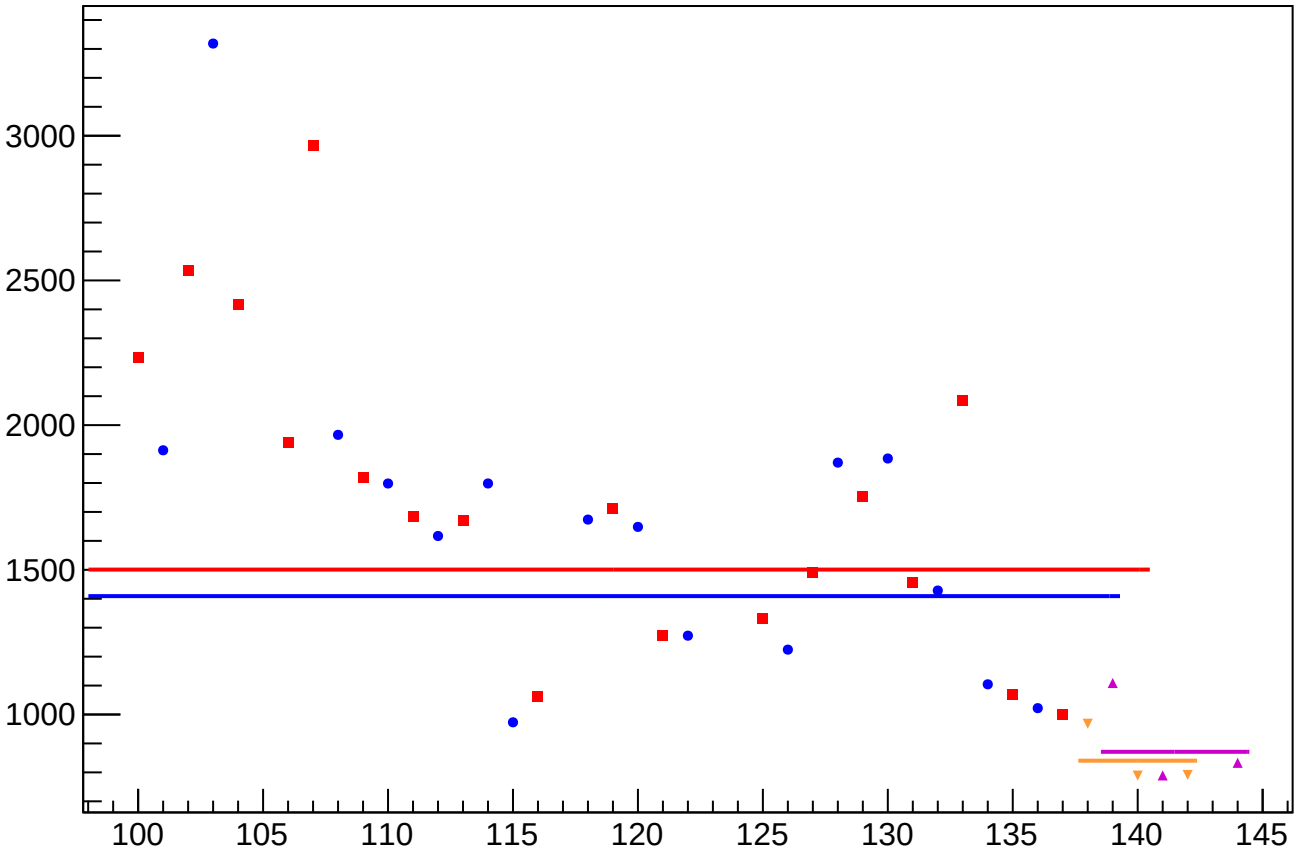
Left: 193.087+/-400.565 χ^2/NDF: 9.4/5

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -264.734+/-386.727 χ^2/NDF:24.8/18

Out: 502.465+/-415.704 χ^2/NDF:21.5/20

All: 91.196+/-283.148 χ^2/NDF: 48.1/39



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 840.462+/-0.419 χ^2/NDF:37068.3/2

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 871.091+/-0.385 χ^2/NDF:100175.8/2

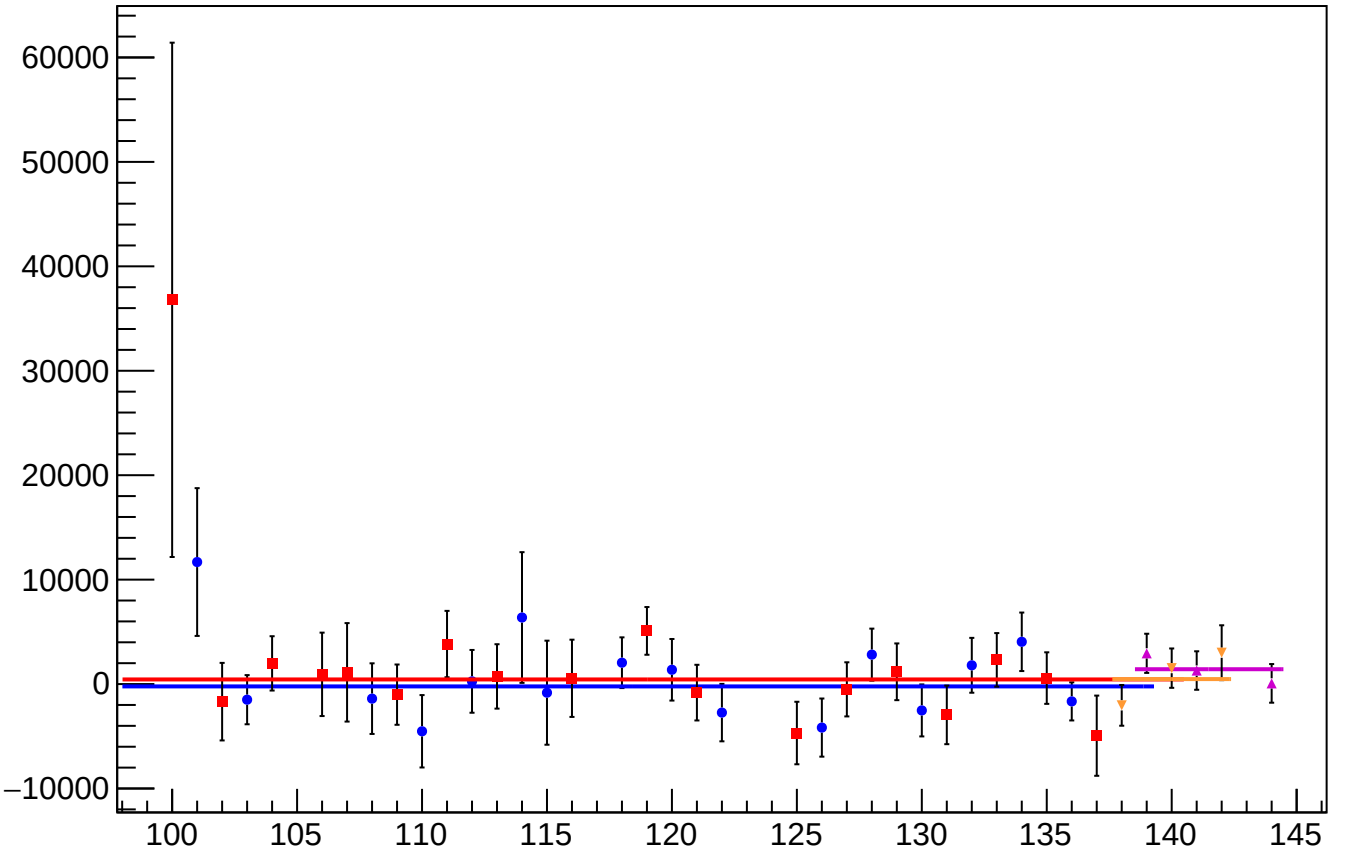
Left: 857.064+/-0.283 χ^2/NDF: 140146.8/5

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1137.285+/-0.273 χ^2/NDF:2235462.7/18

Out: 1175.088+/-0.294 χ^2/NDF:2329242.8/20

All: 1154.823+/-0.200 χ^2/NDF: 4573571.3/39



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1422.109+/-1071.492 χ^2/NDF:1.2/2

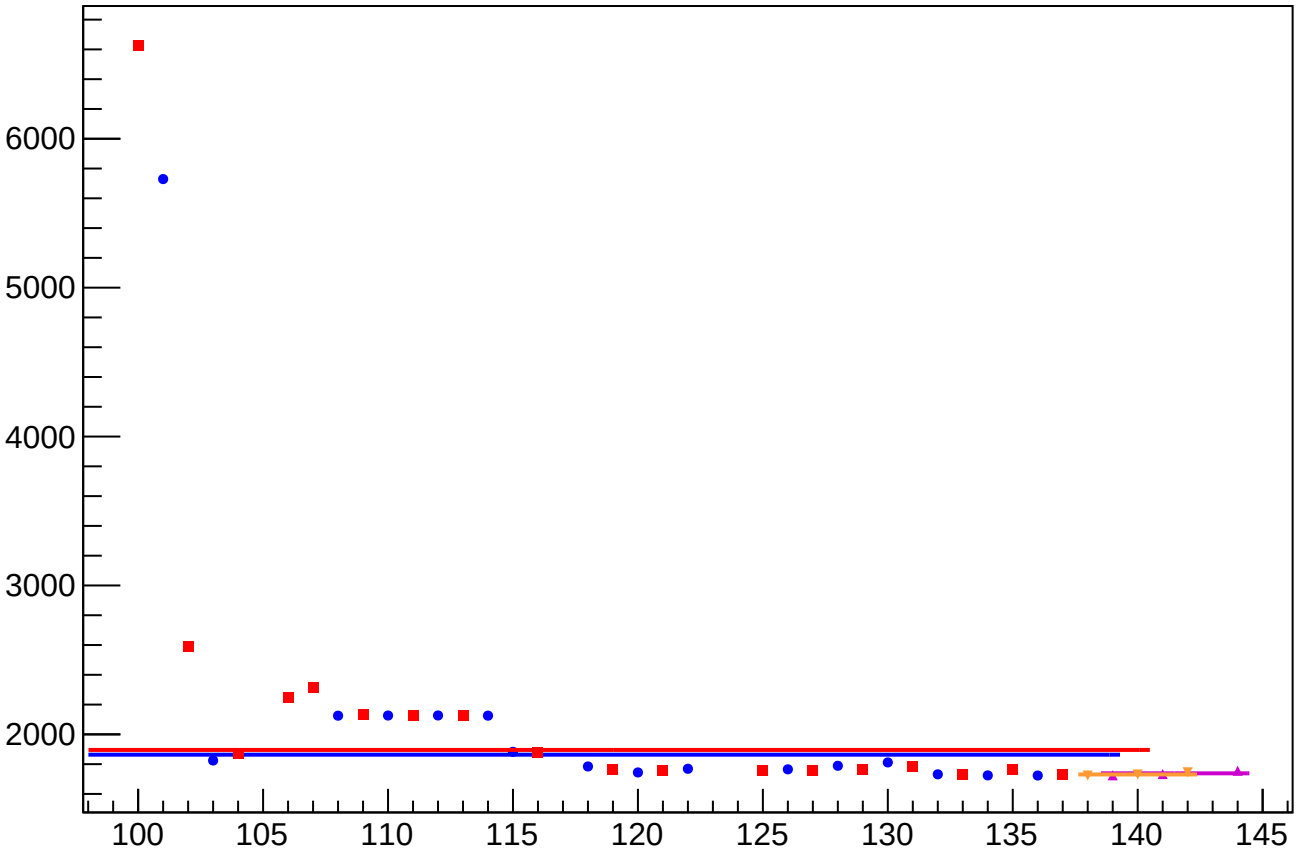
Left: 1004.485+/-800.561 χ^2/NDF: 4.4/5

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 277.579+/-591.365 χ^2/NDF:18.7/18

Out: 451.782+/-613.620 χ^2/NDF:18.7/20

All: 361.464+/-425.808 χ^2/NDF: 37.4/39



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

Left: 1735.018+/-0.566 χ^2/NDF: 425.0/5

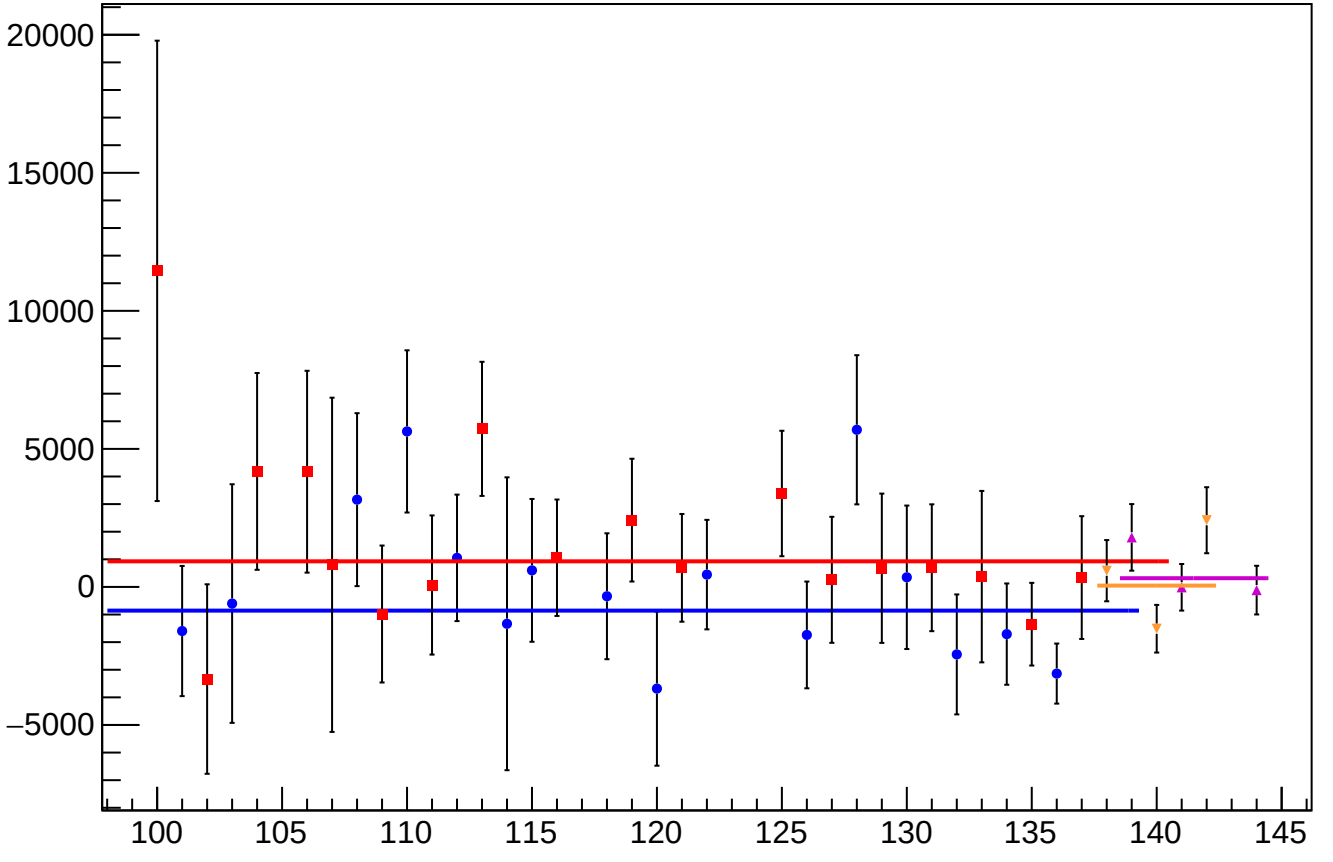
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1825.436+/-0.418 χ^2/NDF:693954.1/18

Out: 1852.748+/-0.434 χ^2/NDF:286947.4/20

All: 1838.588+/-0.301 χ^2/NDF: 982955.8/39

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 48.037+/-591.911 χ^2/NDF:7.4/2

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 315.666+/-544.075 χ^2/NDF:1.9/2

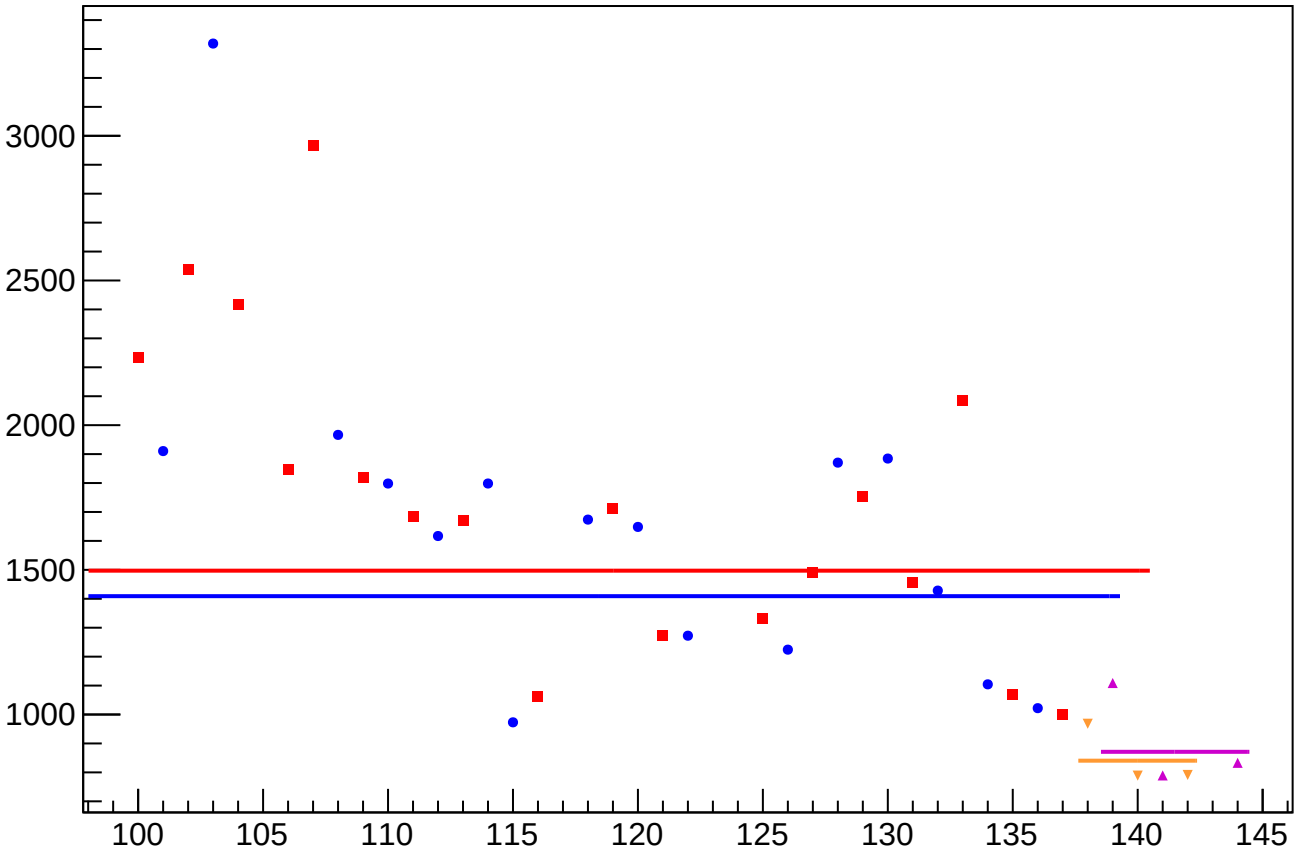
Left: 193.101+/-400.565 χ^2/NDF: 9.4/5

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -265.137+/-386.710 χ^2/NDF:24.8/18

Out: 492.862+/-416.038 χ^2/NDF:22.1/20

All: 86.205+/-283.246 χ^2/NDF: 48.7/39



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF:37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 871.080+/-0.385 χ^2/NDF:100177.4/2

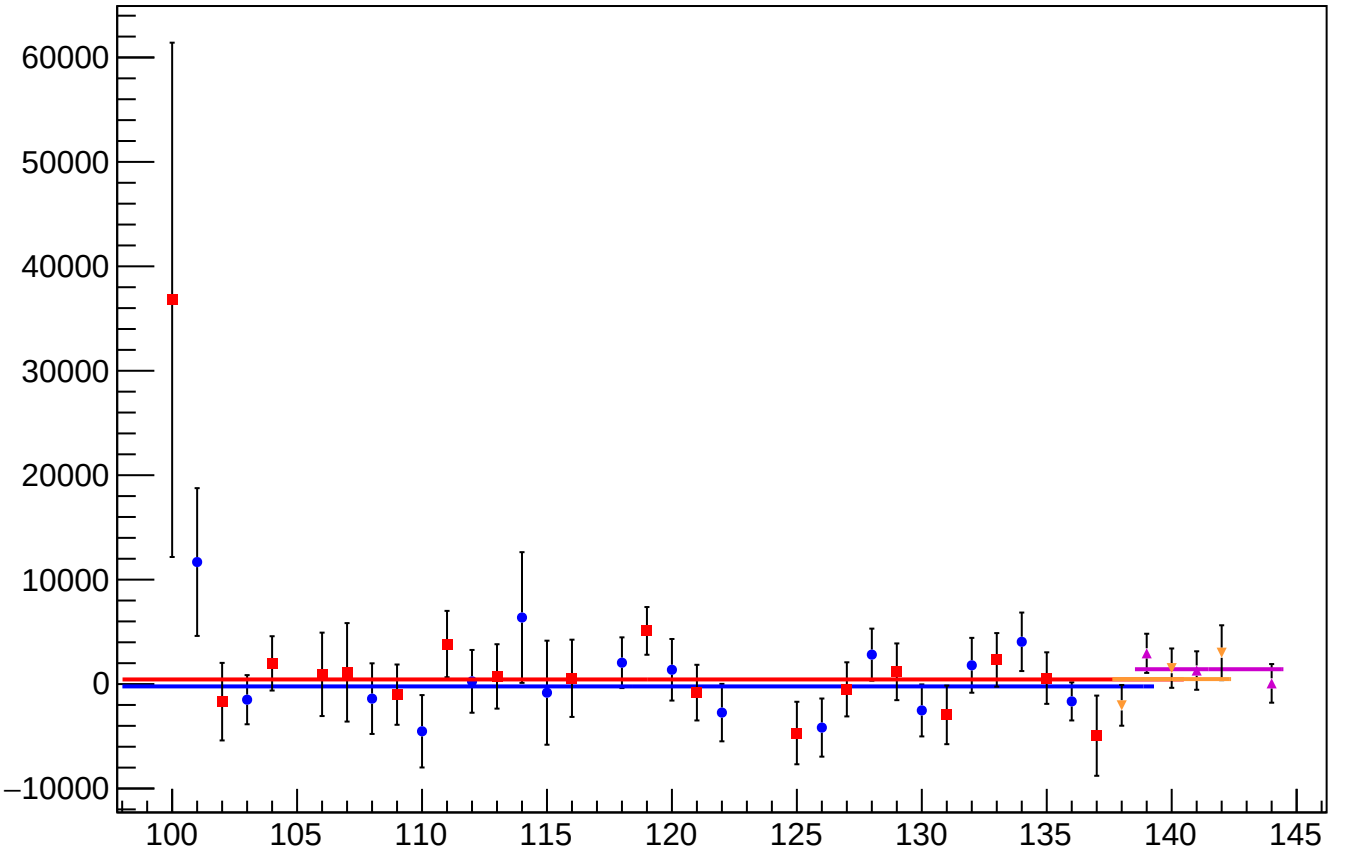
Left: 857.064+/-0.283 χ^2/NDF: 140131.4/5

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1137.259+/-0.273 χ^2/NDF:2234670.5/18

Out: 1172.732+/-0.294 χ^2/NDF:2300669.8/20

All: 1153.701+/-0.200 χ^2/NDF: 4543140.5/39



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1422.109+/-1071.492 χ^2/NDF:1.2/2

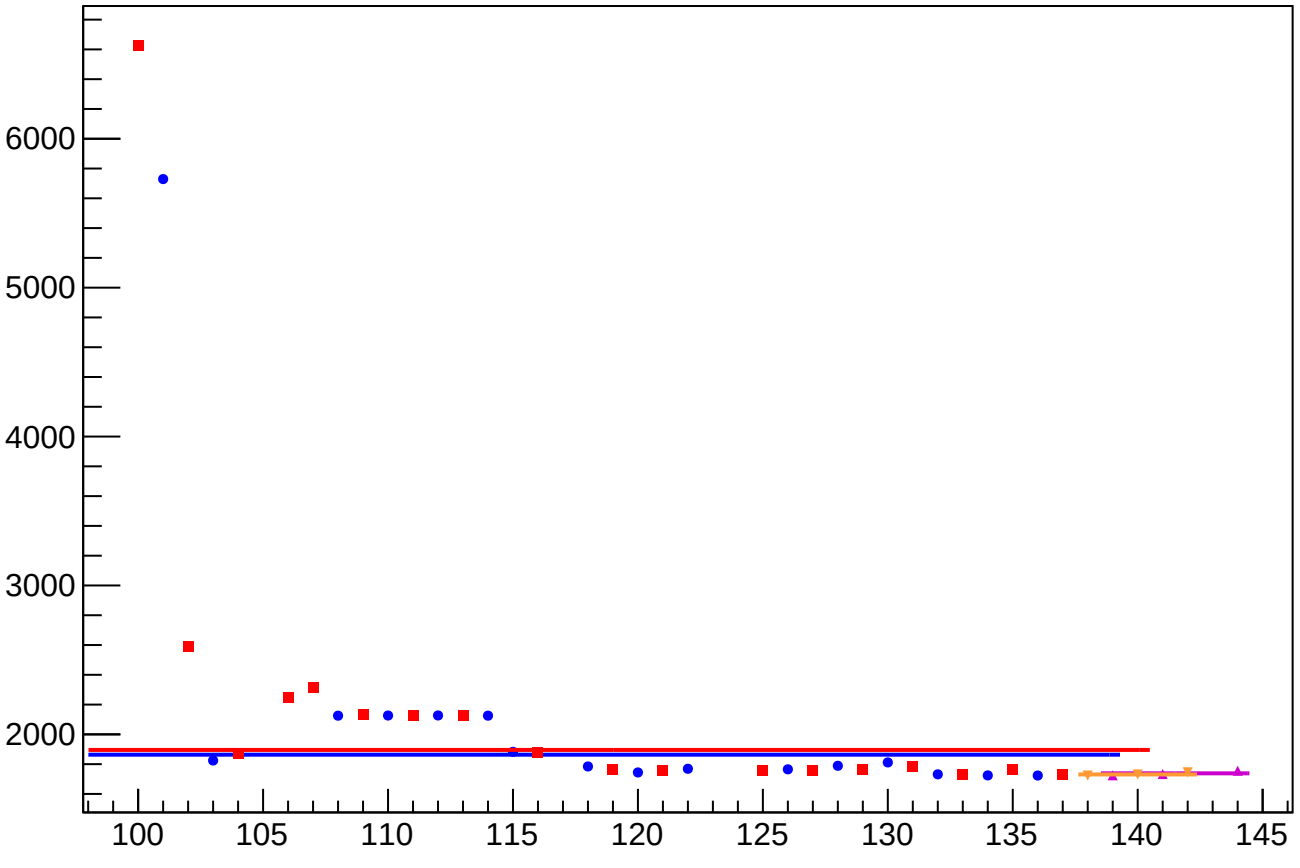
Left: 1004.485+/-800.561 χ^2/NDF: 4.4/5

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 277.579+/-591.365 χ^2/NDF:18.7/18

Out: 451.782+/-613.620 χ^2/NDF:18.7/20

All: 361.464+/-425.808 χ^2/NDF: 37.4/39



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1738.353+/-0.758 χ^2/NDF:291.5/2

Left: 1735.018+/-0.566 χ^2/NDF: 425.0/5

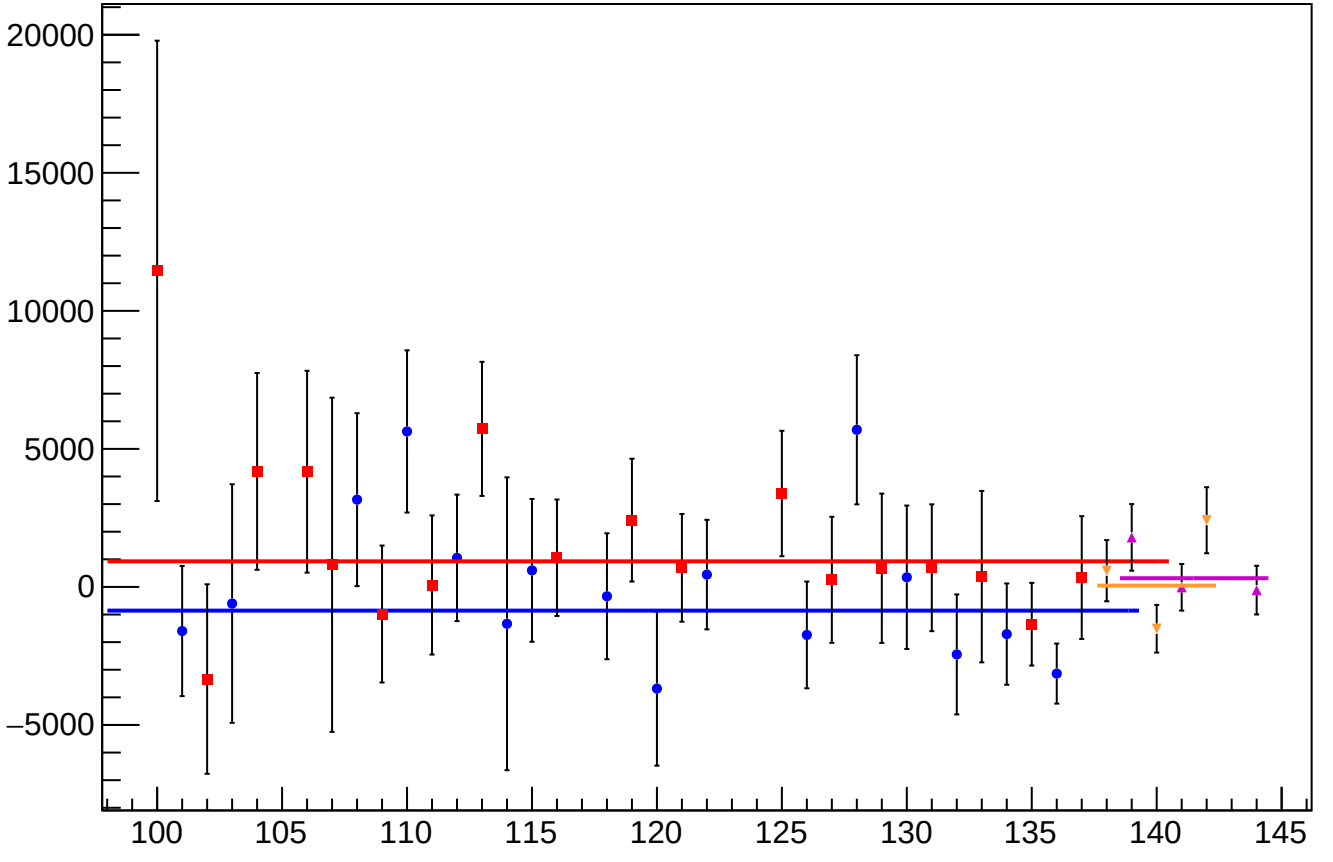
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1825.436+/-0.418 χ^2/NDF:693954.1/18

Out: 1852.748+/-0.434 χ^2/NDF:286947.4/20

All: 1838.588+/-0.301 χ^2/NDF: 982955.8/39

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: 48.037+/-591.911 χ^2/NDF:7.4/2

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 315.666+/-544.075 χ^2/NDF:1.9/2

Left: 193.101+/-400.565 χ^2/NDF: 9.4/5

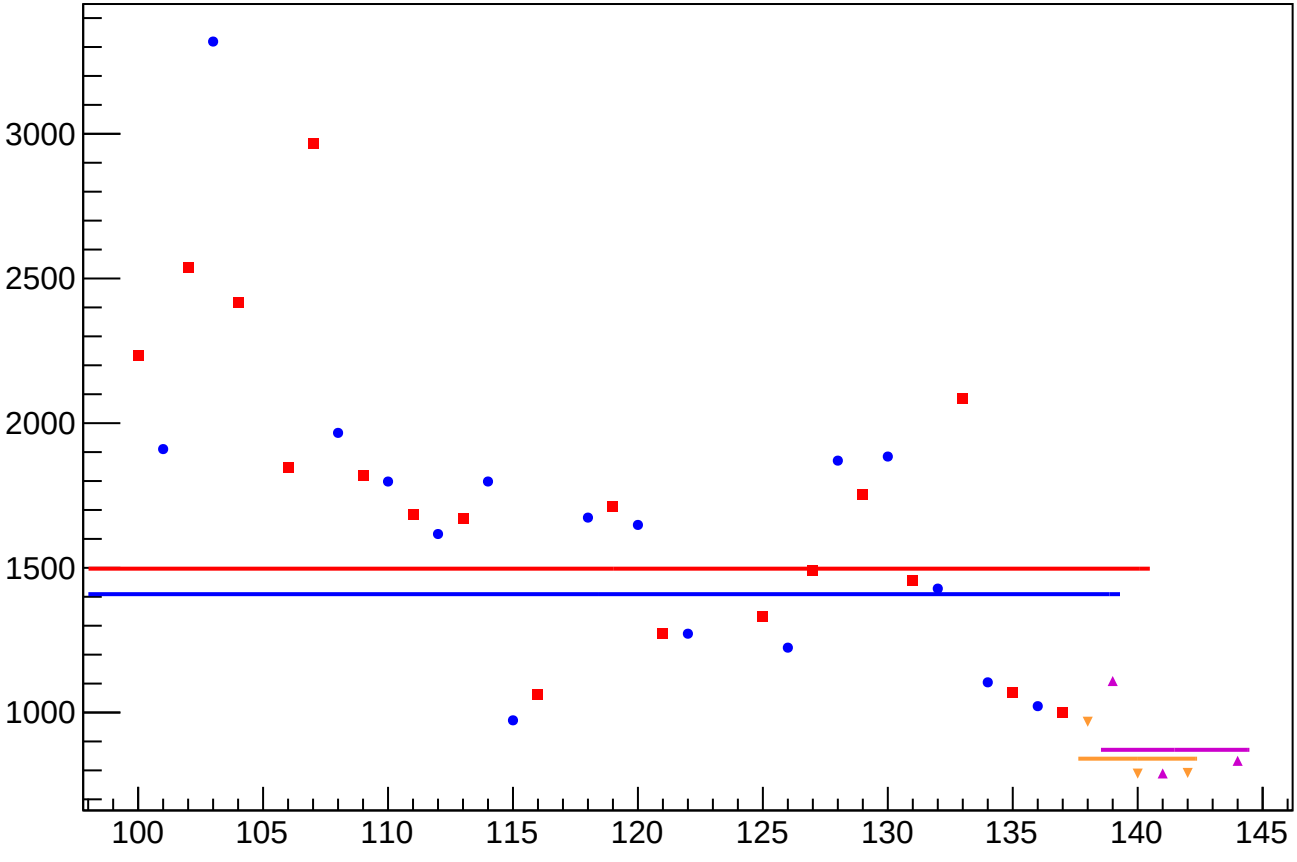
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -265.137+/-386.710 χ^2/NDF:24.8/18

Out: 492.862+/-416.038 χ^2/NDF:22.1/20

All: 86.205+/-283.246 χ^2/NDF: 48.7/39

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF:37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 871.080+/-0.385 χ^2/NDF:100177.4/2

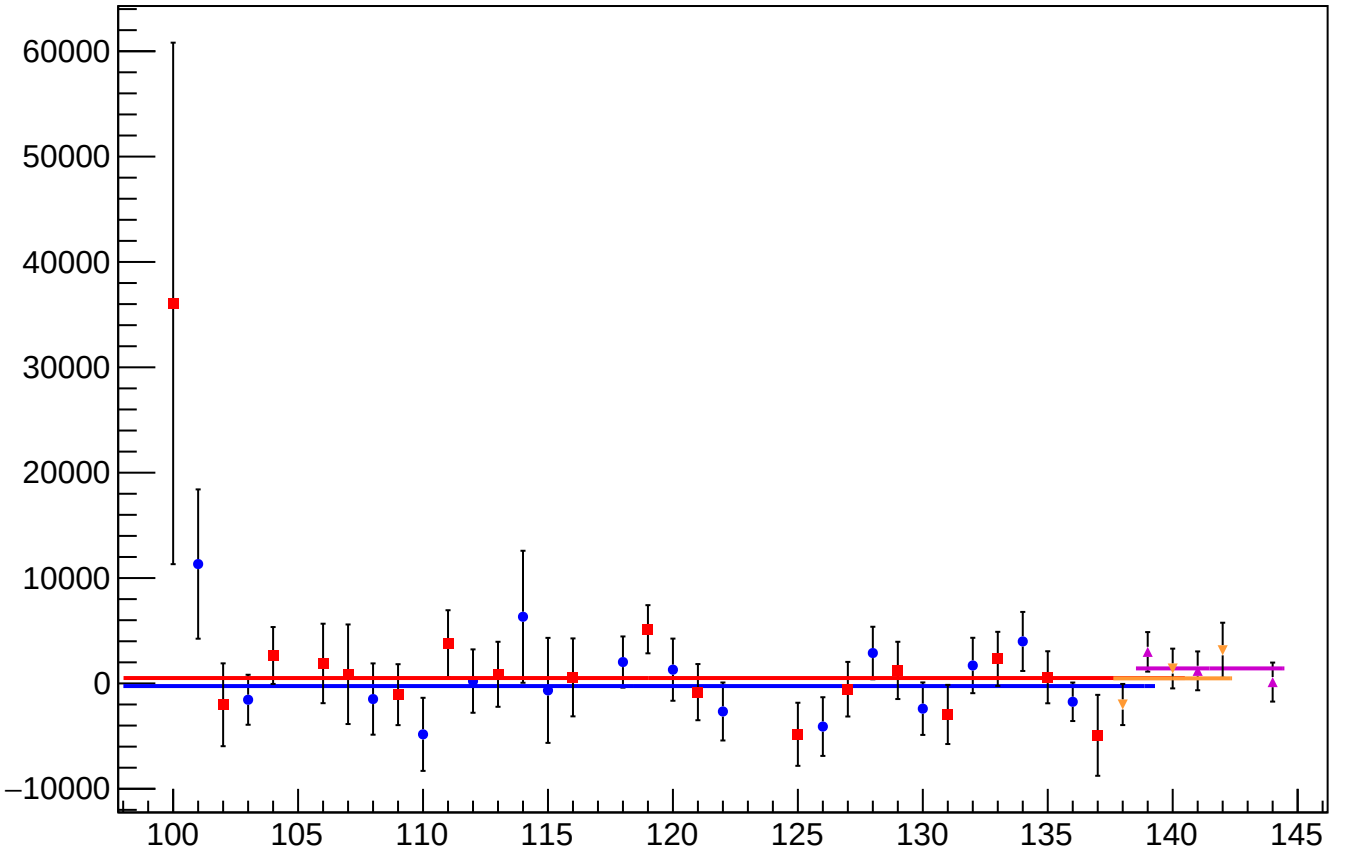
Left: 857.064+/-0.283 χ^2/NDF: 140131.4/5

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1137.259+/-0.273 χ^2/NDF:2234670.5/18

Out: 1172.732+/-0.294 χ^2/NDF:2300669.8/20

All: 1153.701+/-0.200 χ^2/NDF: 4543140.5/39



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 481.033+/-1204.181 χ^2/NDF:2.9/2

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1424.216+/-1072.008 χ^2/NDF:1.2/2

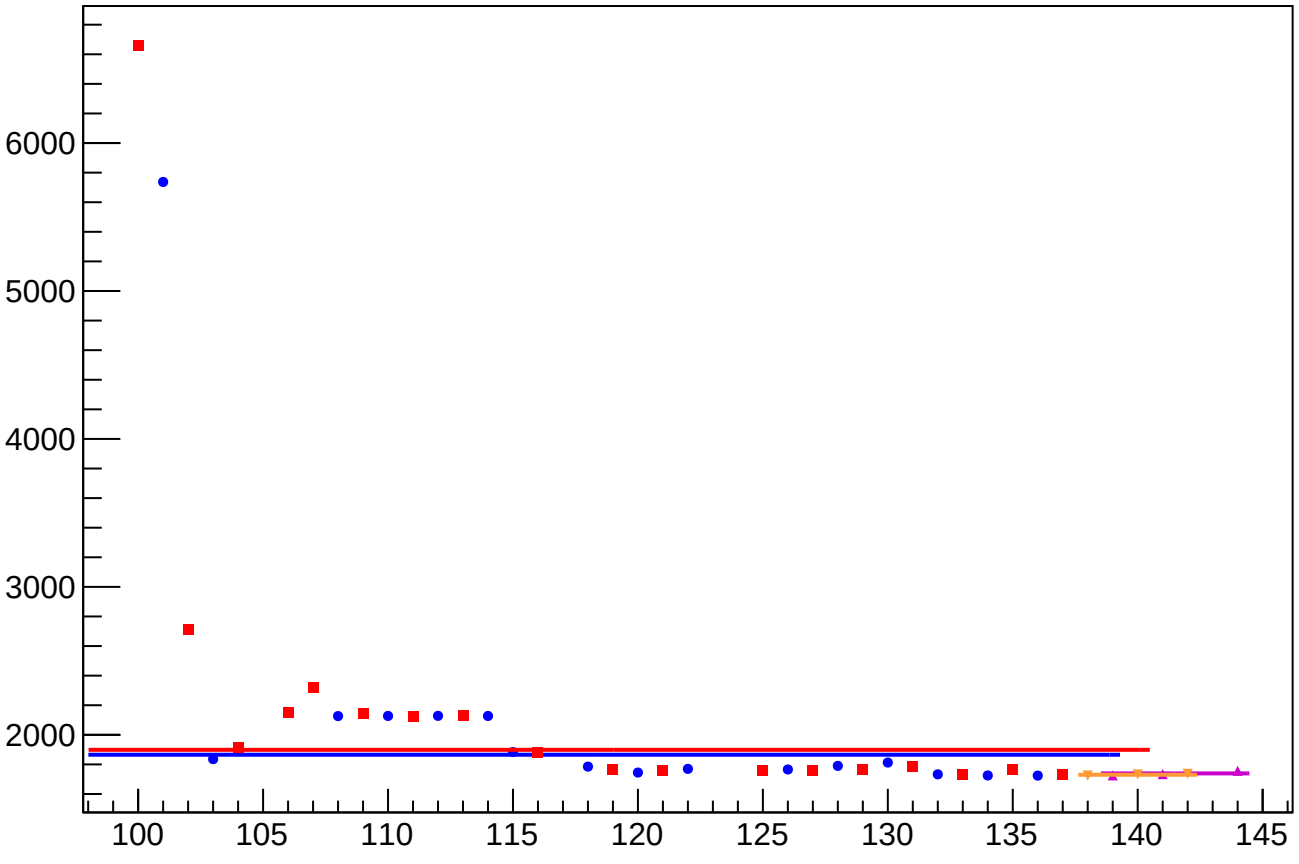
Left: 1007.209+/-800.692 χ^2/NDF: 4.4/5

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 259.043+/-591.928 χ^2/NDF:18.6/18

Out: 502.529+/-615.073 χ^2/NDF:19.3/20

All: 376.119+/-426.504 χ^2/NDF: 37.9/39



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF:29.7/2

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1739.190+/-0.758 χ^2/NDF:291.5/2

Left: 1735.201+/-0.566 χ^2/NDF: 383.8/5

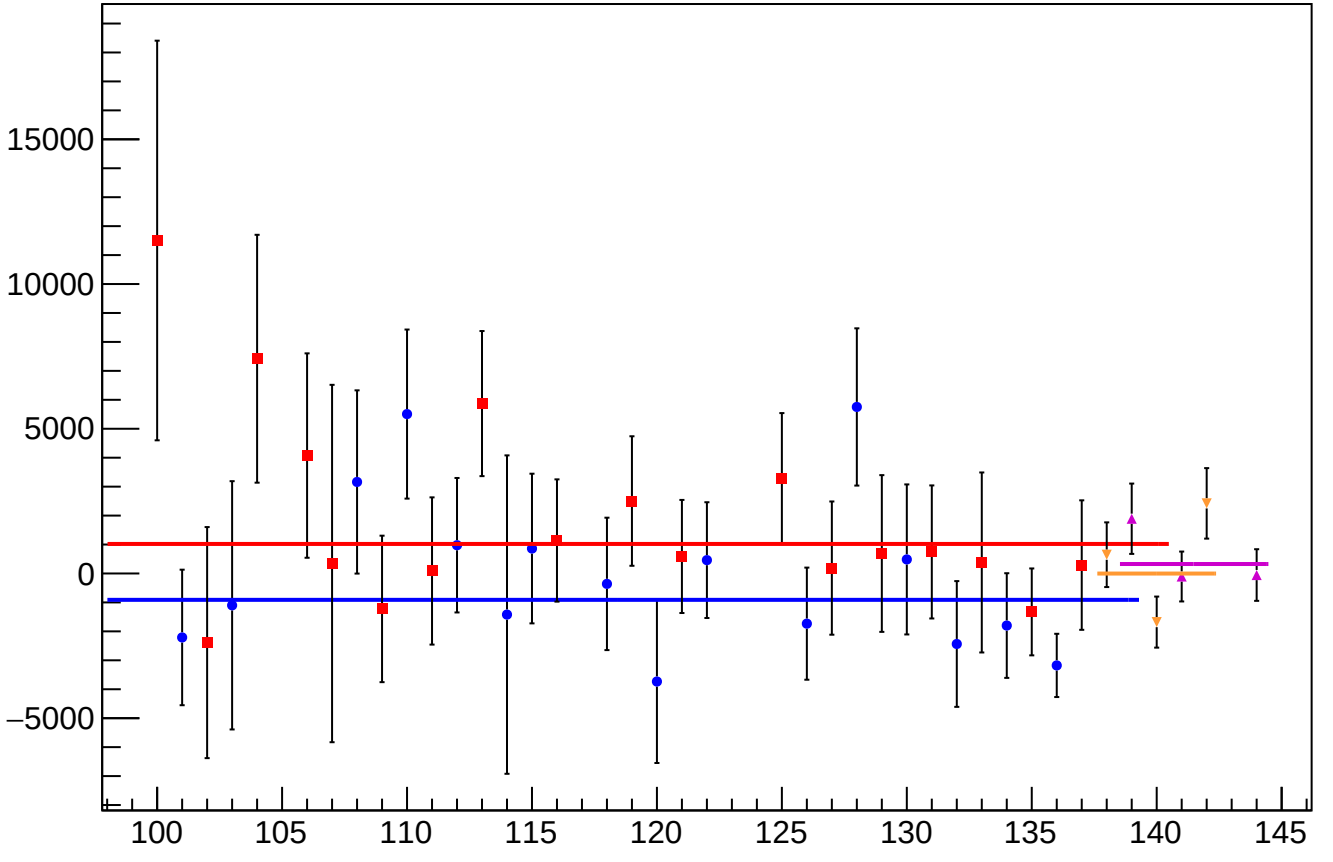
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1826.948+/-0.419 χ^2/NDF:694563.1/18

Out: 1854.659+/-0.435 χ^2/NDF:298060.8/20

All: 1840.272+/-0.302 χ^2/NDF: 994731.5/39

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: -2.792+/-601.933 χ^2/NDF:7.9/2

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 326.948+/-552.017 χ^2/NDF:2.1/2

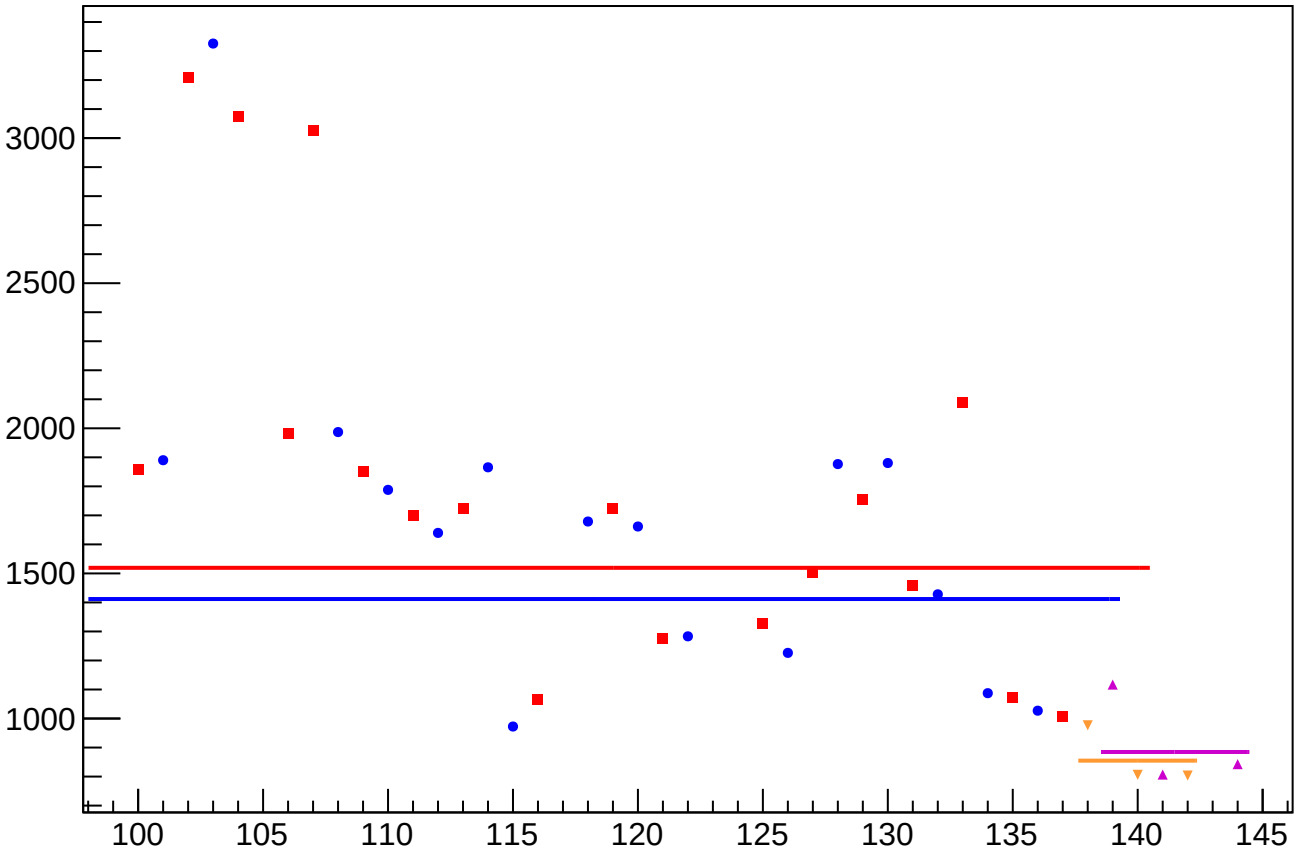
Left: 176.315+/-406.839 χ^2/NDF: 10.2/5

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -293.328+/-389.917 χ^2/NDF:25.6/18

Out: 517.521+/-421.930 χ^2/NDF:24.3/20

All: 80.172+/-286.362 χ^2/NDF: 51.9/39



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 854.902+/-0.426 χ^2/NDF:33425.5/2

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 884.737+/-0.390 χ^2/NDF:93842.3/2

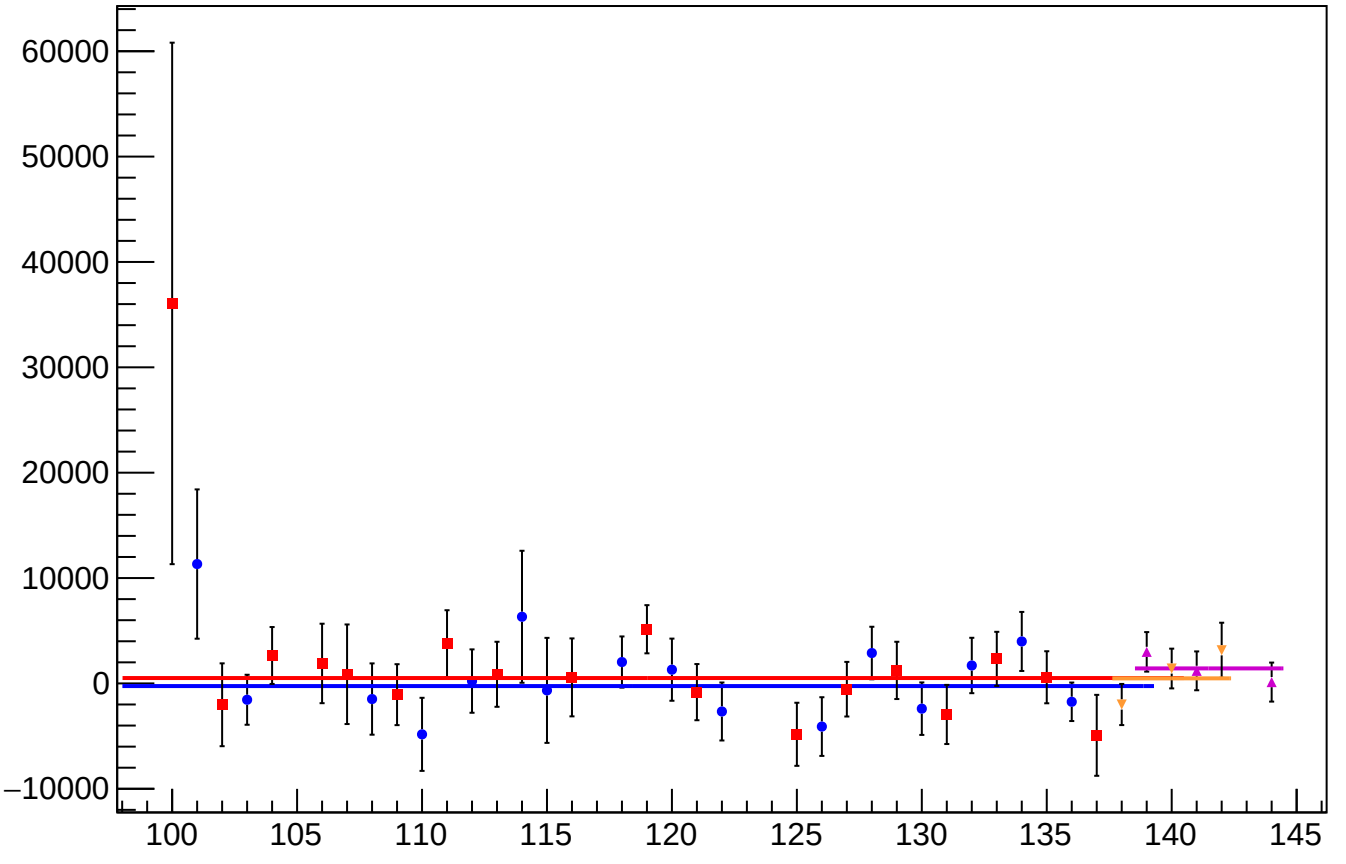
Left: 871.108+/-0.288 χ^2/NDF: 129936.6/5

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1148.807+/-0.276 χ^2/NDF:2184993.3/18

Out: 1192.855+/-0.298 χ^2/NDF:2632998.7/20

All: 1169.097+/-0.202 χ^2/NDF: 4829749.2/39



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 481.034+/-1204.181 χ^2/NDF:2.9/2

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1424.219+/-1072.008 χ^2/NDF:1.2/2

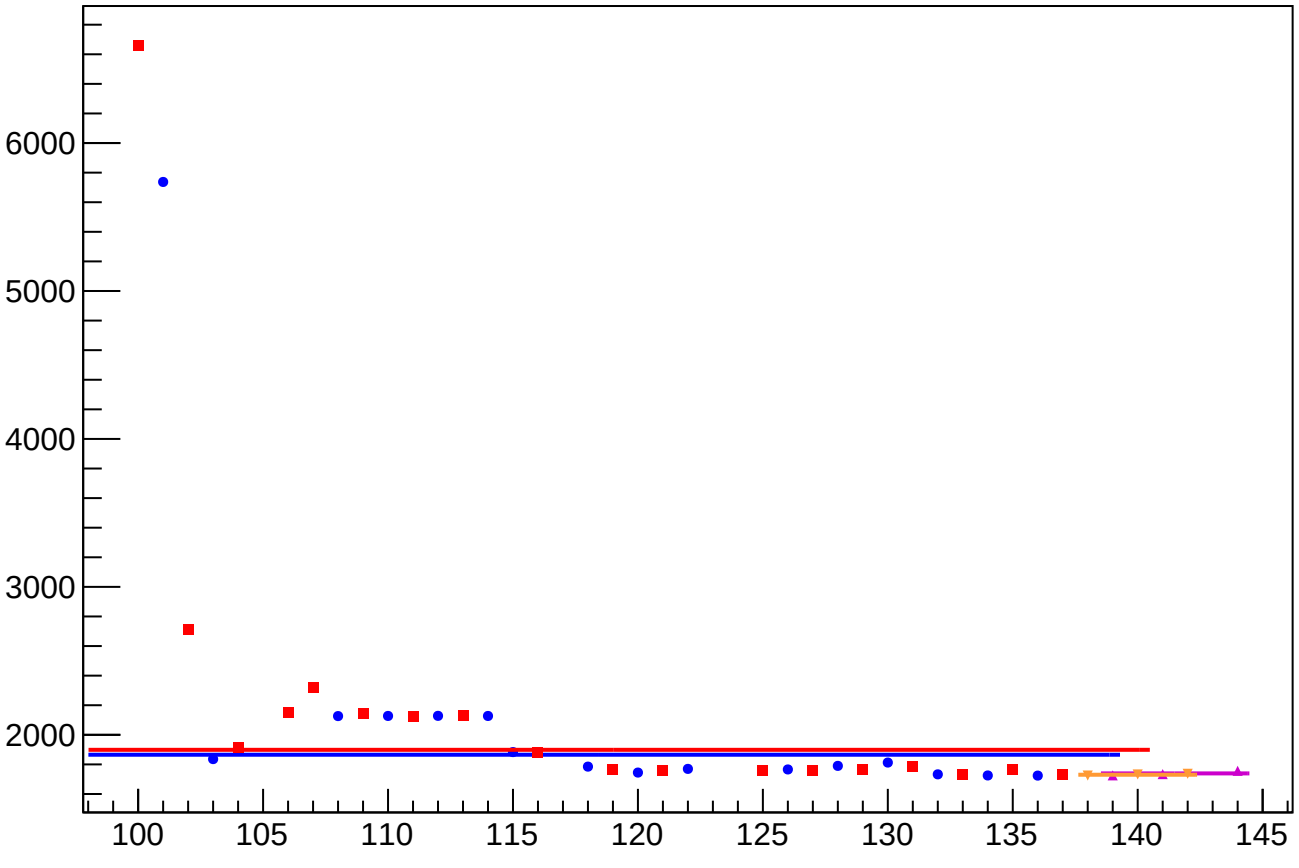
Left: 1007.211+/-800.692 χ^2/NDF: 4.4/5

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 259.044+/-591.928 χ^2/NDF:18.6/18

Out: 502.529+/-615.073 χ^2/NDF:19.3/20

All: 376.119+/-426.504 χ^2/NDF: 37.9/39



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF:29.7/2

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1739.190+/-0.758 χ^2/NDF:291.5/2

Left: 1735.201+/-0.566 χ^2/NDF: 383.8/5

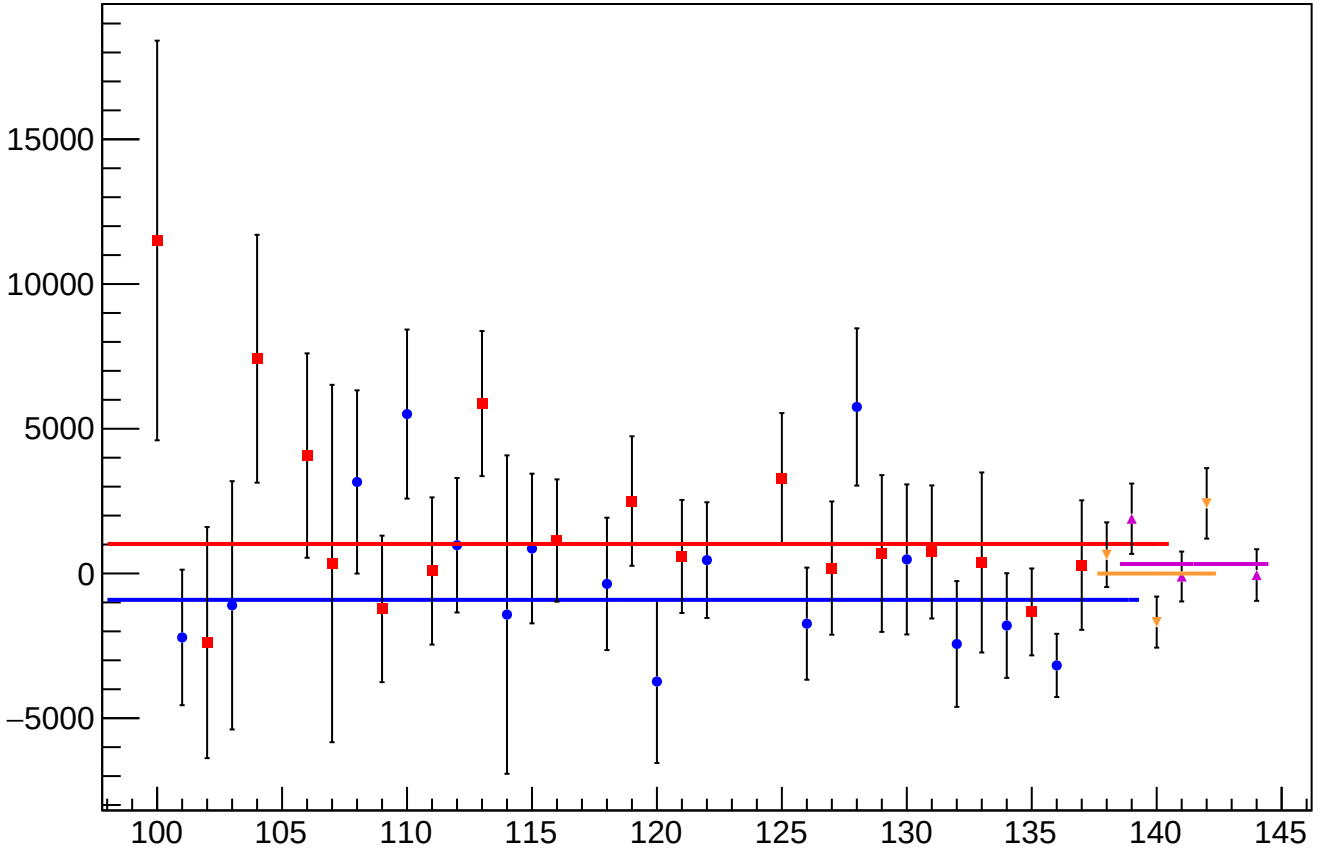
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1826.948+/-0.419 χ^2/NDF:694563.1/18

Out: 1854.659+/-0.435 χ^2/NDF:298060.5/20

All: 1840.272+/-0.302 χ^2/NDF: 994731.3/39

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: -2.797+/-601.933 χ^2/NDF:7.9/2

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 326.946+/-552.016 χ^2/NDF:2.1/2

Left: 176.312+/-406.839 χ^2/NDF: 10.2/5

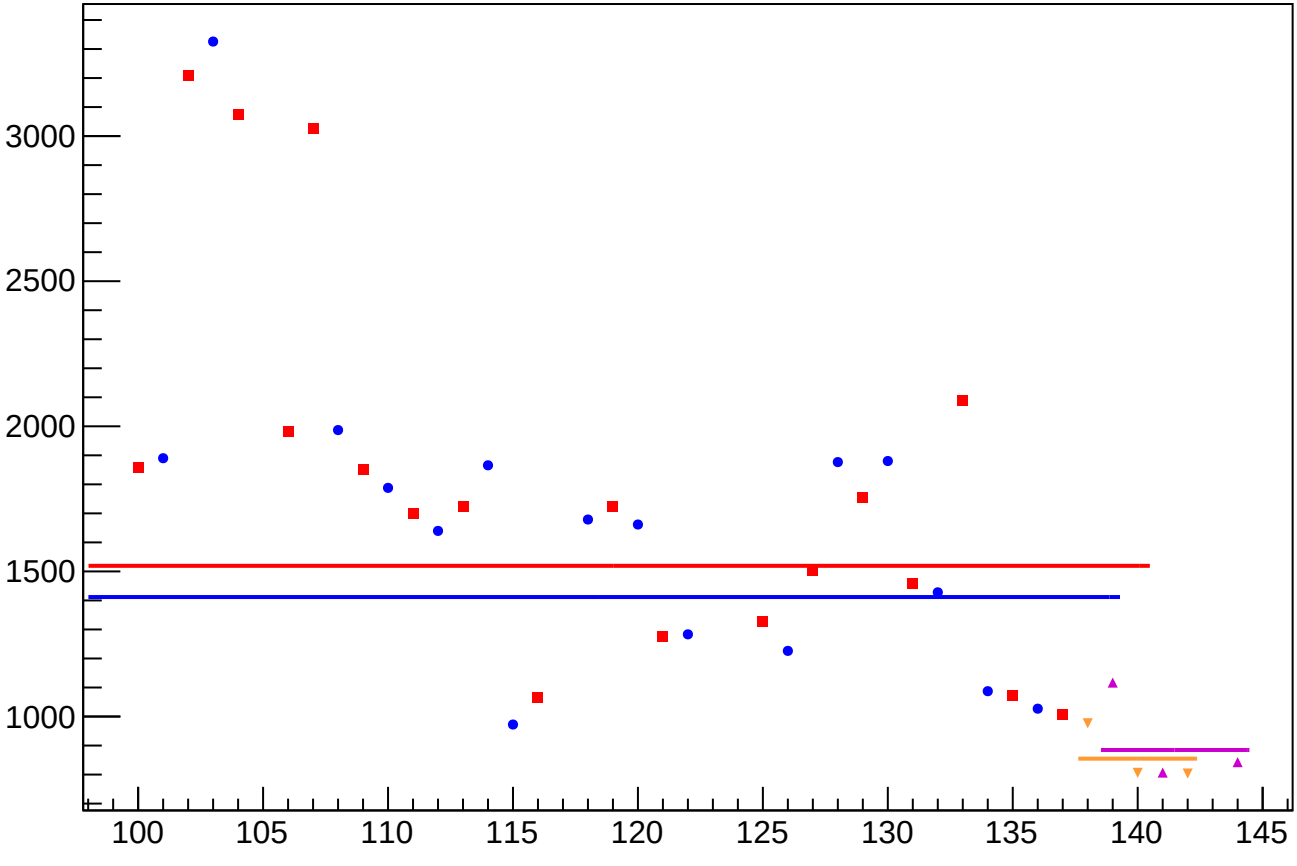
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -293.328+/-389.916 χ^2/NDF:25.6/18

Out: 517.519+/-421.930 χ^2/NDF:24.3/20

All: 80.171+/-286.362 χ^2/NDF: 51.9/39

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 854.902+/-0.426 χ^2/NDF:33427.2/2

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 884.736+/-0.390 χ^2/NDF:93845.7/2

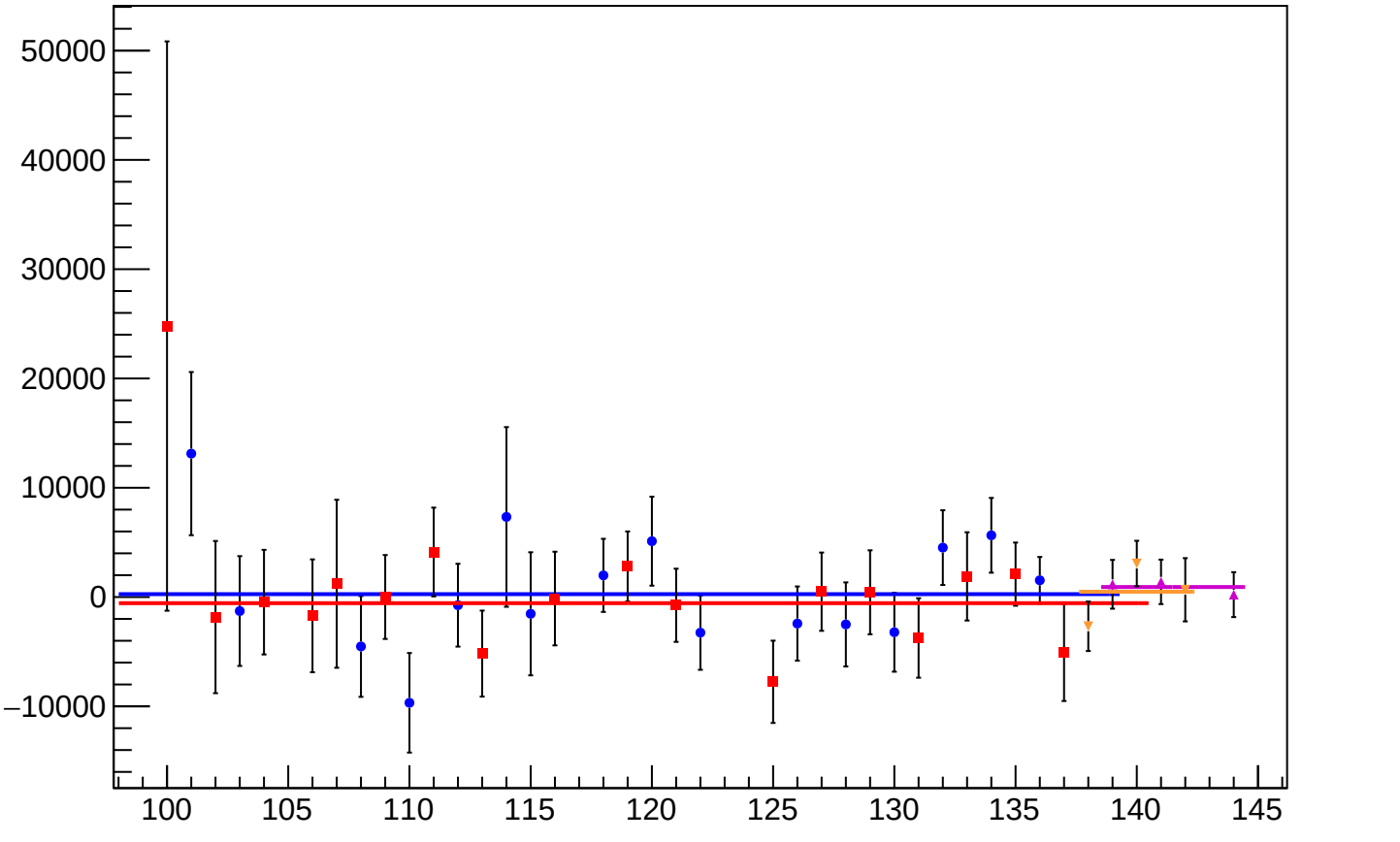
Left: 871.107+/-0.288 χ^2/NDF: 129941.6/5

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1148.805+/-0.276 χ^2/NDF:2184992.8/18

Out: 1192.854+/-0.298 χ^2/NDF:2633000.9/20

All: 1169.095+/-0.202 χ^2/NDF: 4829751.0/39



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 486.863+/-1353.238 χ^2/NDF:3.5/2

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 916.328+/-1213.100 χ^2/NDF:0.2/2

Left: 724.977+/-903.286 χ^2/NDF: 3.7/5

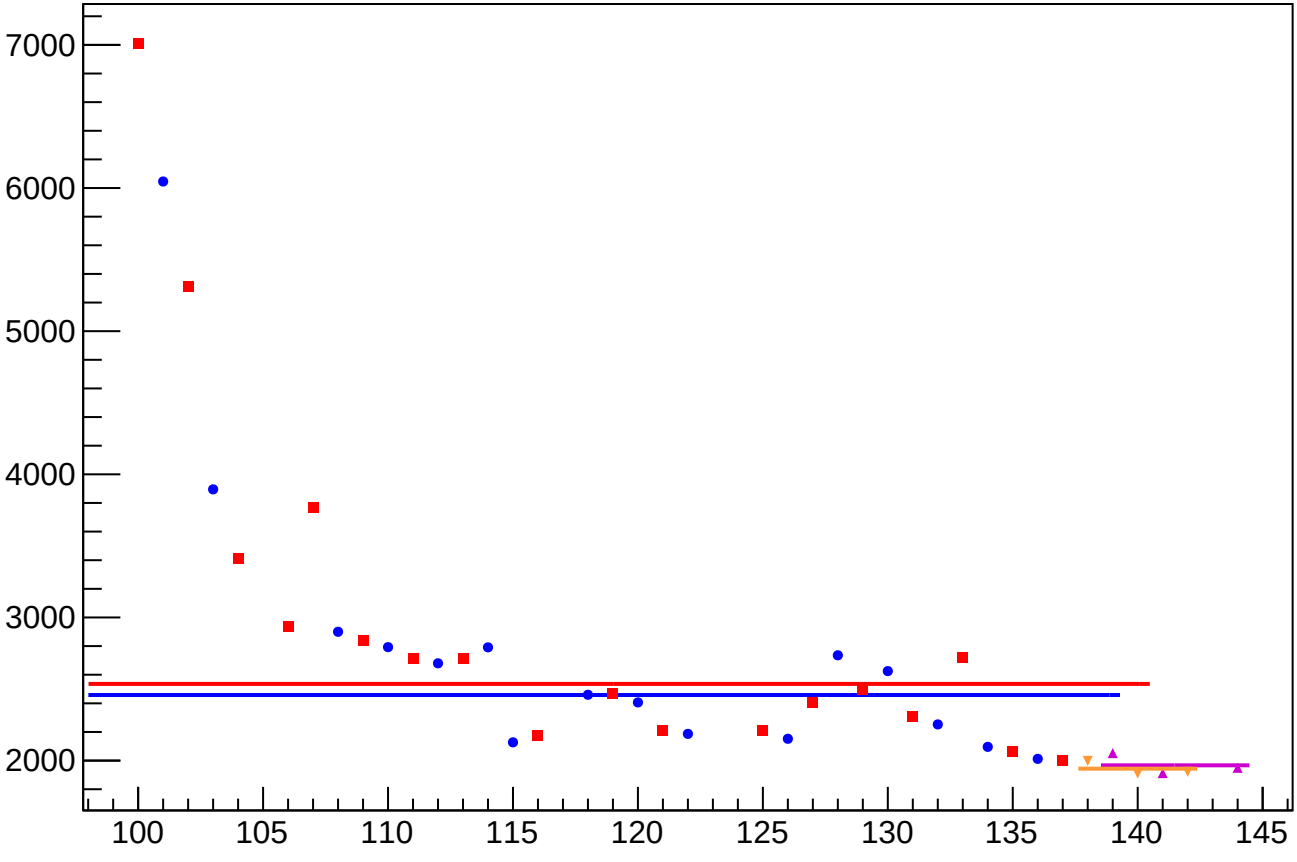
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 509.615+/-744.012 χ^2/NDF:19.4/18

Out: -208.741+/-784.580 χ^2/NDF:15.6/20

All: 169.488+/-539.868 χ^2/NDF: 35.5/39

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1943.604+/-0.957 χ^2/NDF:1811.4/2

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1967.046+/-0.858 χ^2/NDF:4499.8/2

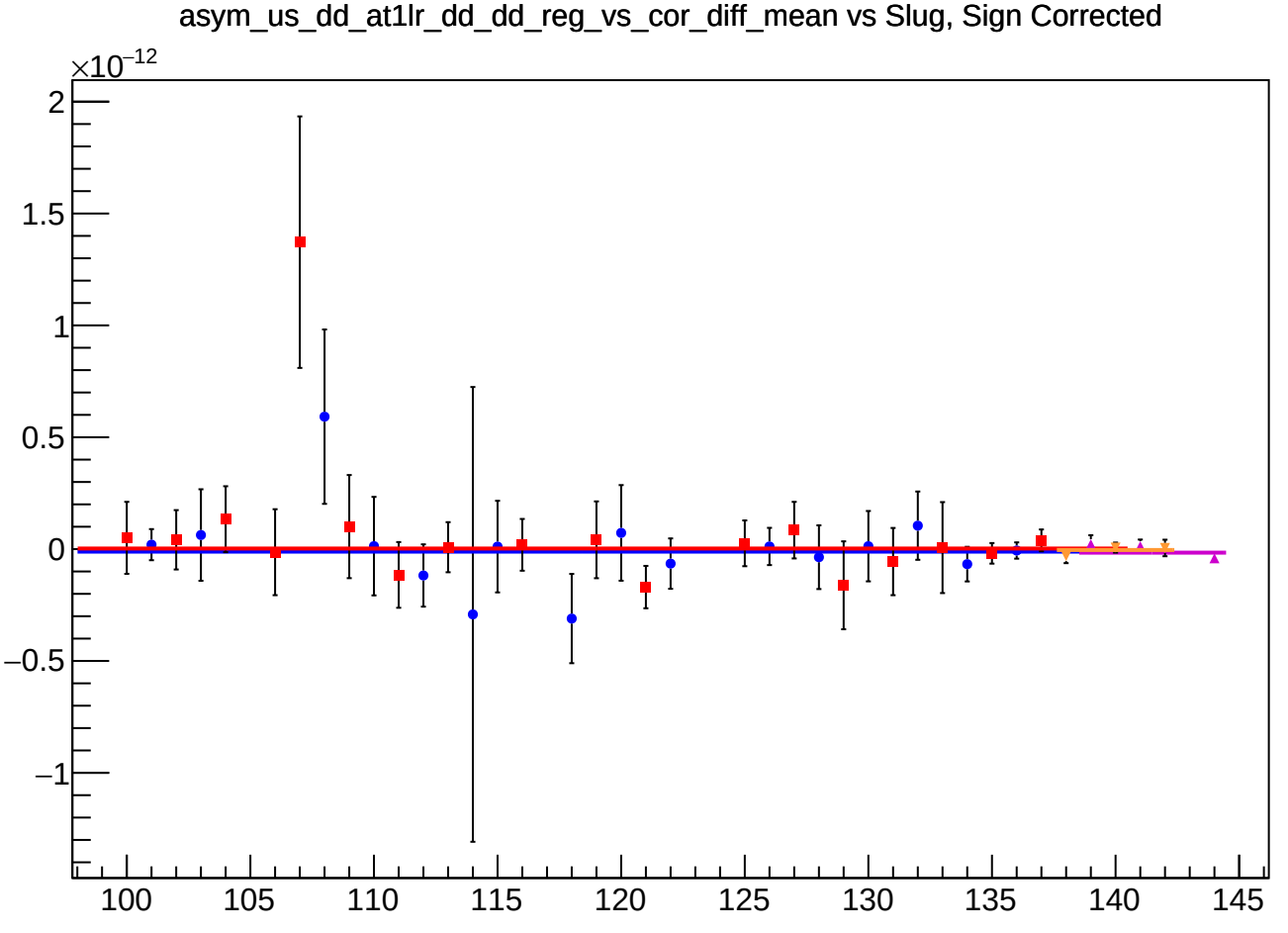
Left: 1956.602+/-0.639 χ^2/NDF: 6643.9/5

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2273.532+/-0.526 χ^2/NDF:1042024.3/18

Out: 2336.726+/-0.555 χ^2/NDF:929398.2/20

All: 2303.453+/-0.382 χ^2/NDF: 1978254.1/39



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/2

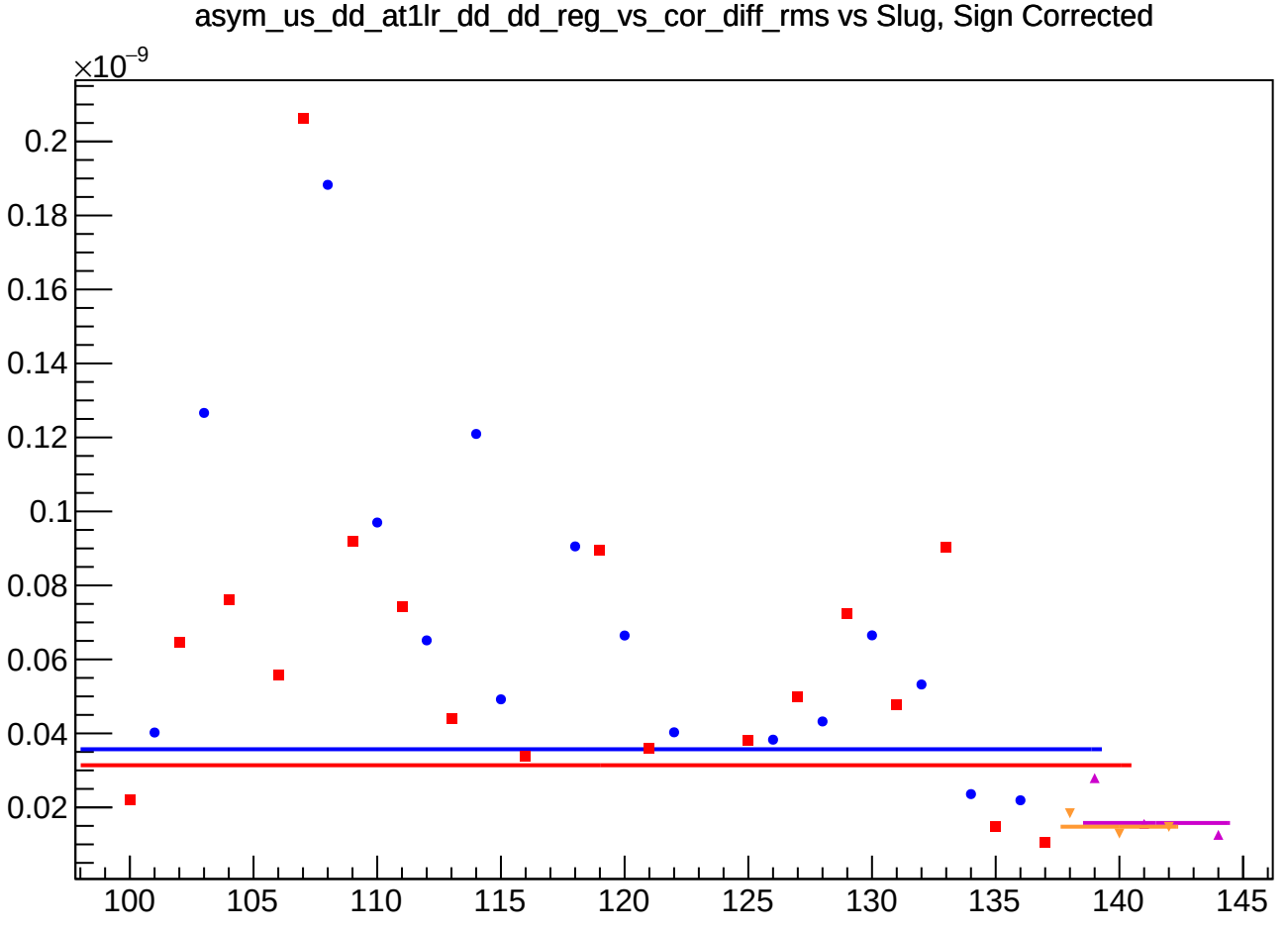
Left: -0.000+/-0.000 χ^2/NDF: 4.7/5

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:10.7/18

Out: -0.000+/-0.000 χ^2/NDF:14.3/20

All: -0.000+/-0.000 χ^2/NDF: 25.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:40274.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:230972.6/2

Left: 0.000+/-0.000 χ^2/NDF: 275231.0/5

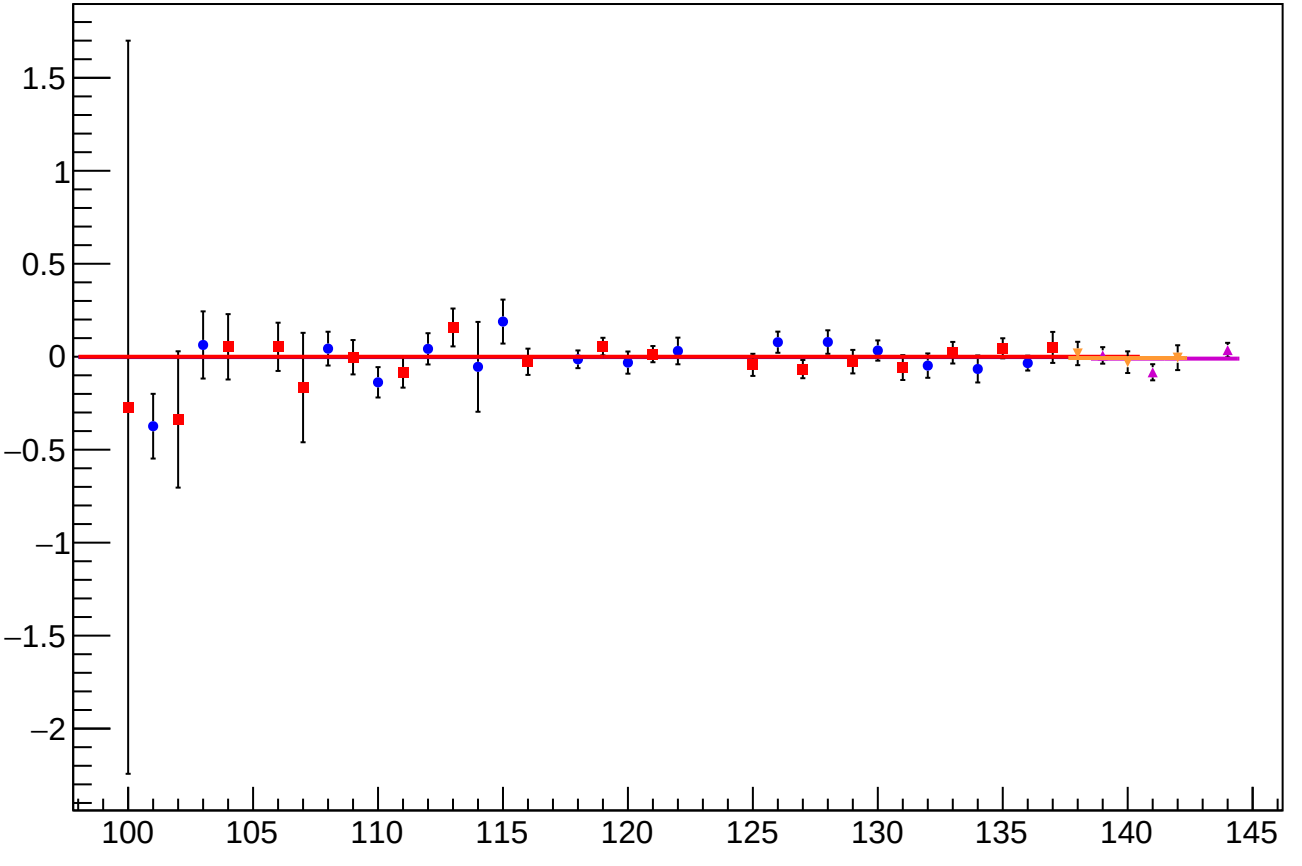
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:2786885.9/18

Out: 0.000+/-0.000 χ^2/NDF:2749345.2/20

All: 0.000+/-0.000 χ^2/NDF: 5551204.1/39

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.010+/-0.024 χ^2/NDF:4.4/2

Left: -0.009+/-0.020 χ^2/NDF: 4.7/5

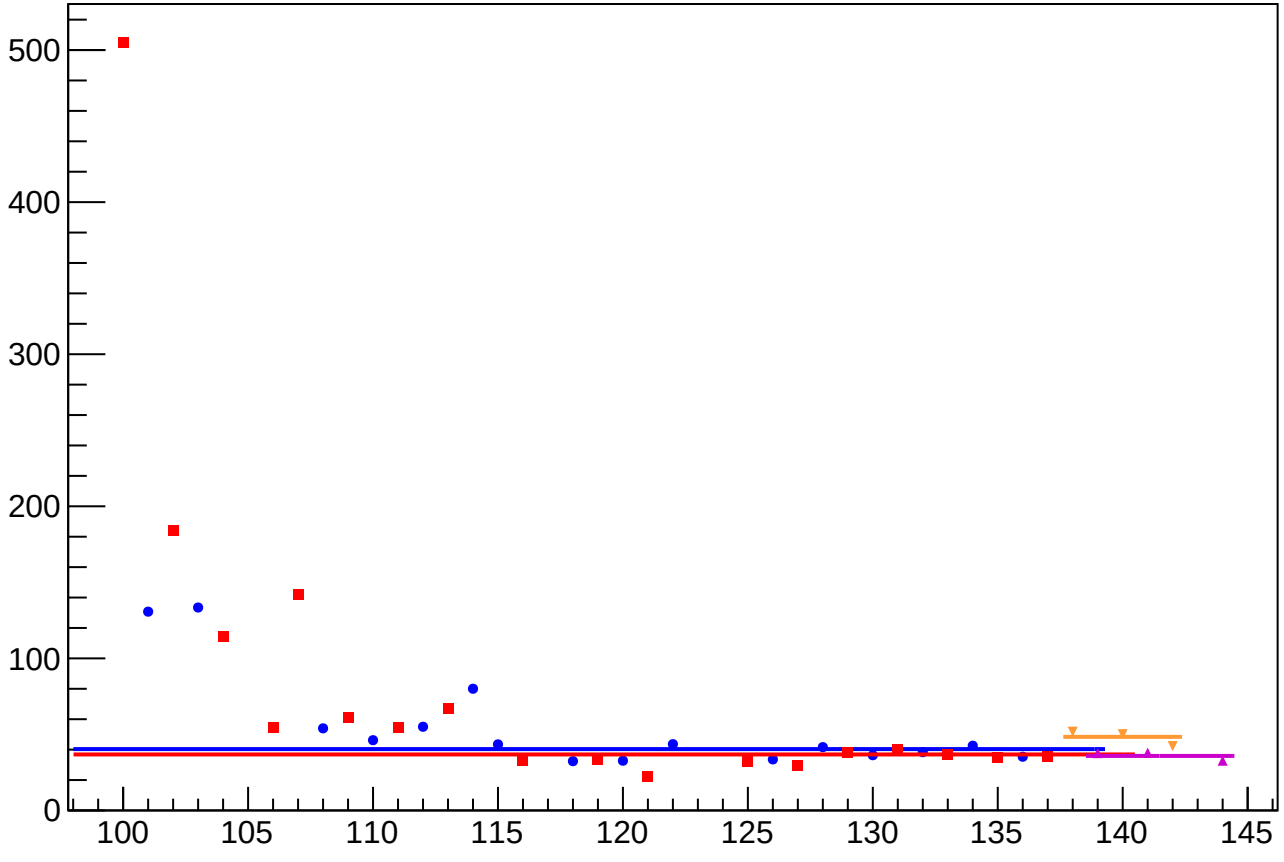
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.005+/-0.014 χ^2/NDF:21.6/18

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.003+/-0.010 χ^2/NDF: 32.9/39

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 48.403+/-0.025 χ^2/NDF:24255.6/2

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.6/2

Left: 39.777+/-0.014 χ^2/NDF: 212341.1/5

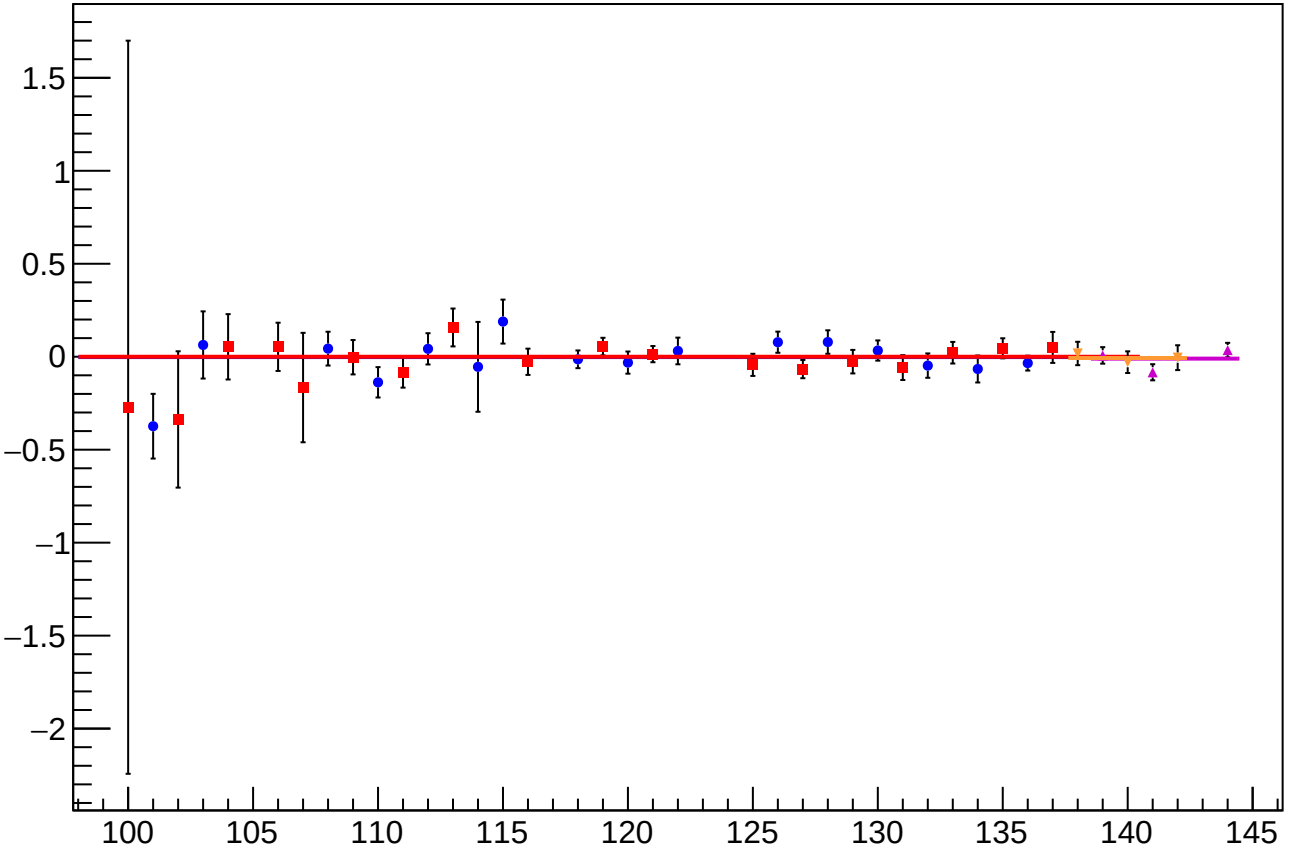
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 38.863+/-0.010 χ^2/NDF:1477146.2/18

Out: 38.867+/-0.011 χ^2/NDF:2031683.5/20

All: 38.865+/-0.007 χ^2/NDF: 3508829.8/39

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.010+/-0.024 χ^2/NDF:4.4/2

Left: -0.009+/-0.020 χ^2/NDF: 4.7/5

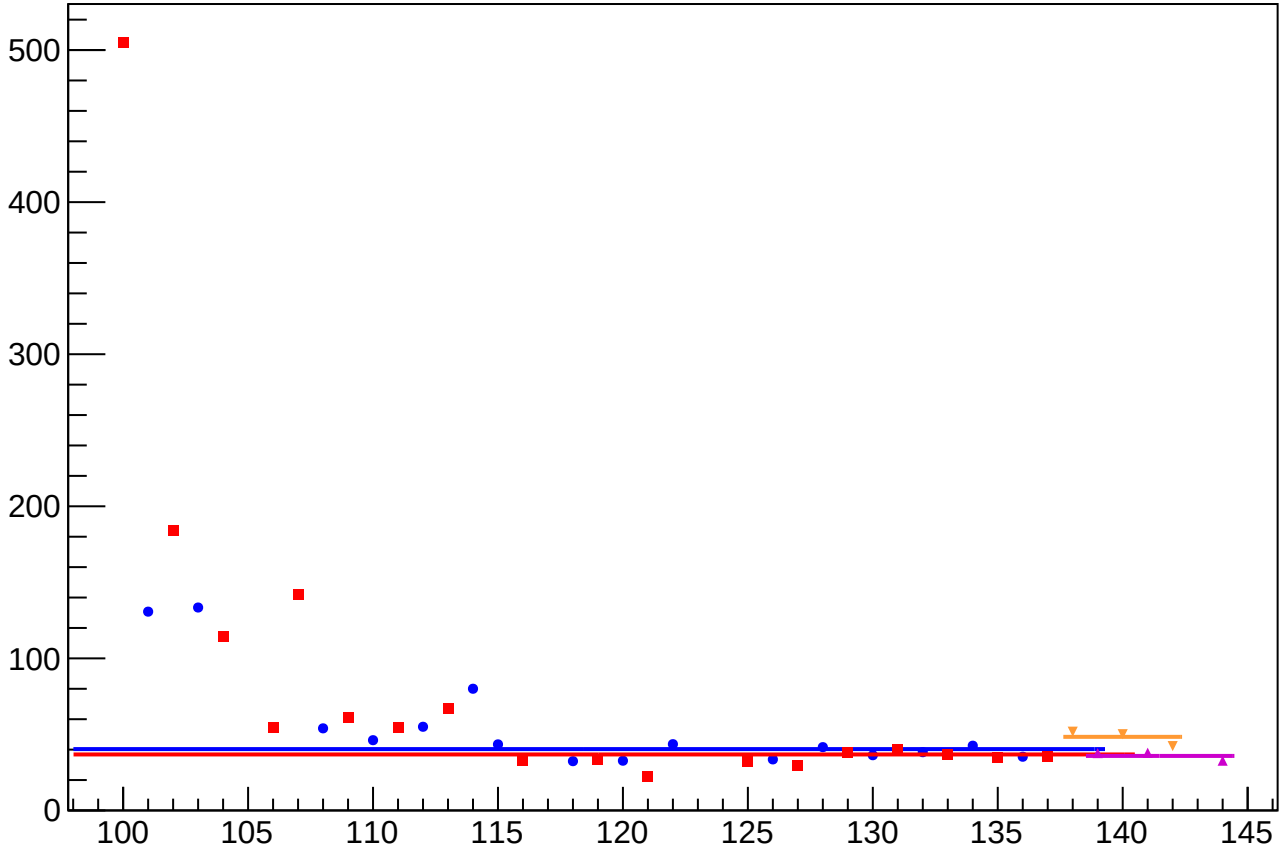
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.005+/-0.014 χ^2/NDF:21.6/18

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.003+/-0.010 χ^2/NDF: 32.9/39

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: 48.403+/-0.025 χ^2/NDF:24255.6/2

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.6/2

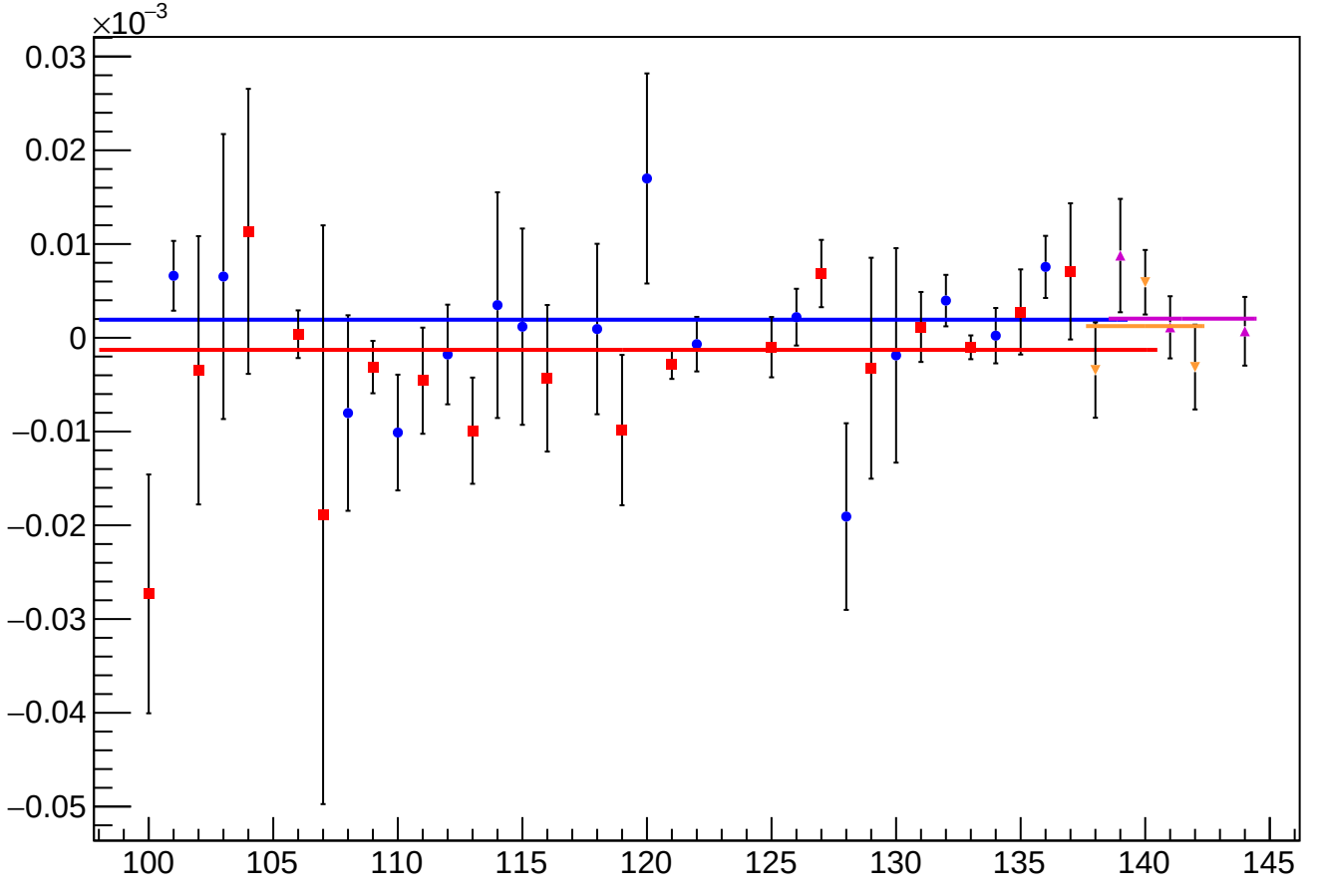
Left: 39.777+/-0.014 χ^2/NDF: 212341.1/5

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 38.863+/-0.010 χ^2/NDF:1477146.2/18

Out: 38.867+/-0.011 χ^2/NDF:2031683.5/20

All: 38.865+/-0.007 χ^2/NDF: 3508829.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/2

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

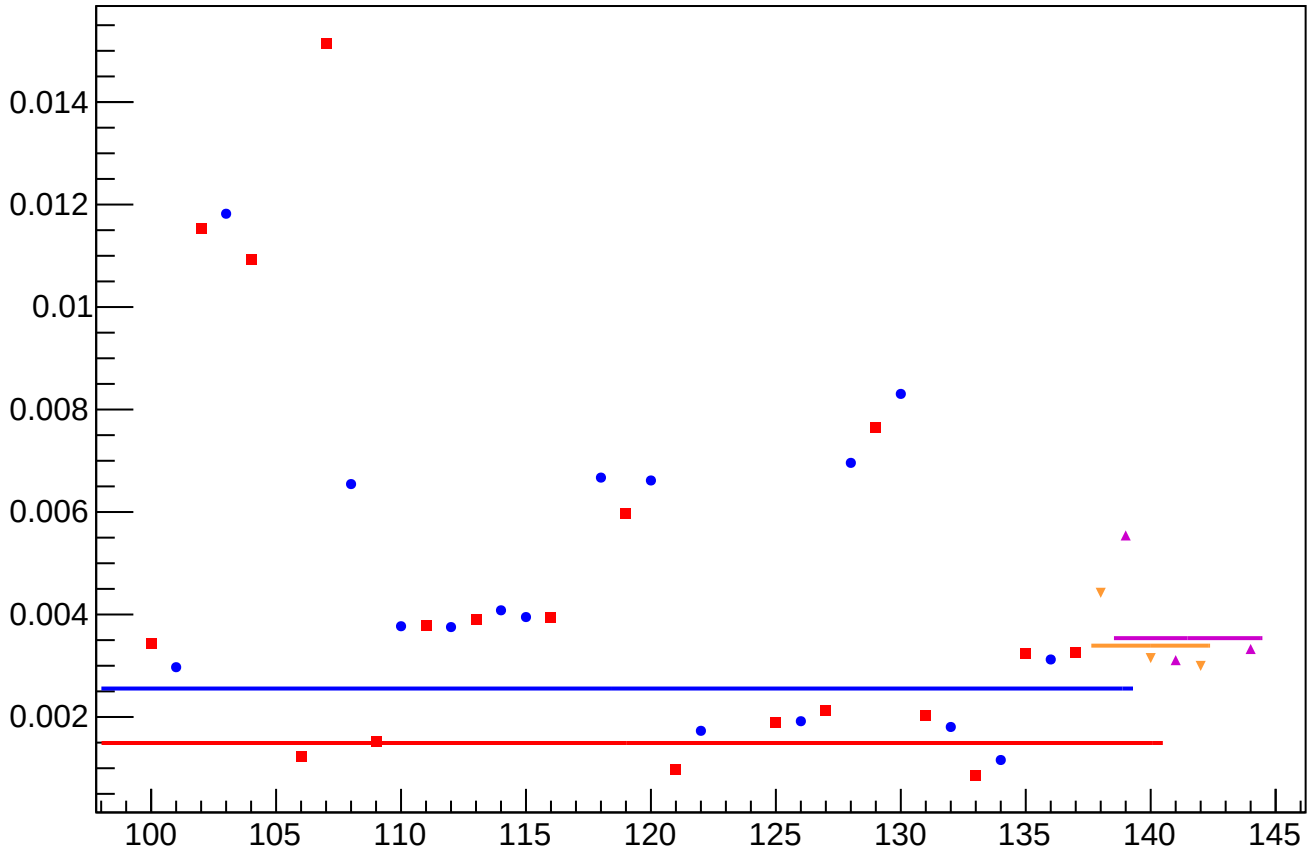
Left: 0.000+/-0.000 χ^2/NDF: 5.1/5

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:19.3/18

Out: -0.000+/-0.000 χ^2/NDF:23.5/20

All: -0.000+/-0.000 χ^2/NDF: 48.7/39



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:107472.5/2

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:259980.6/2

Left: 0.003+/-0.000 χ^2/NDF: 371349.8/5

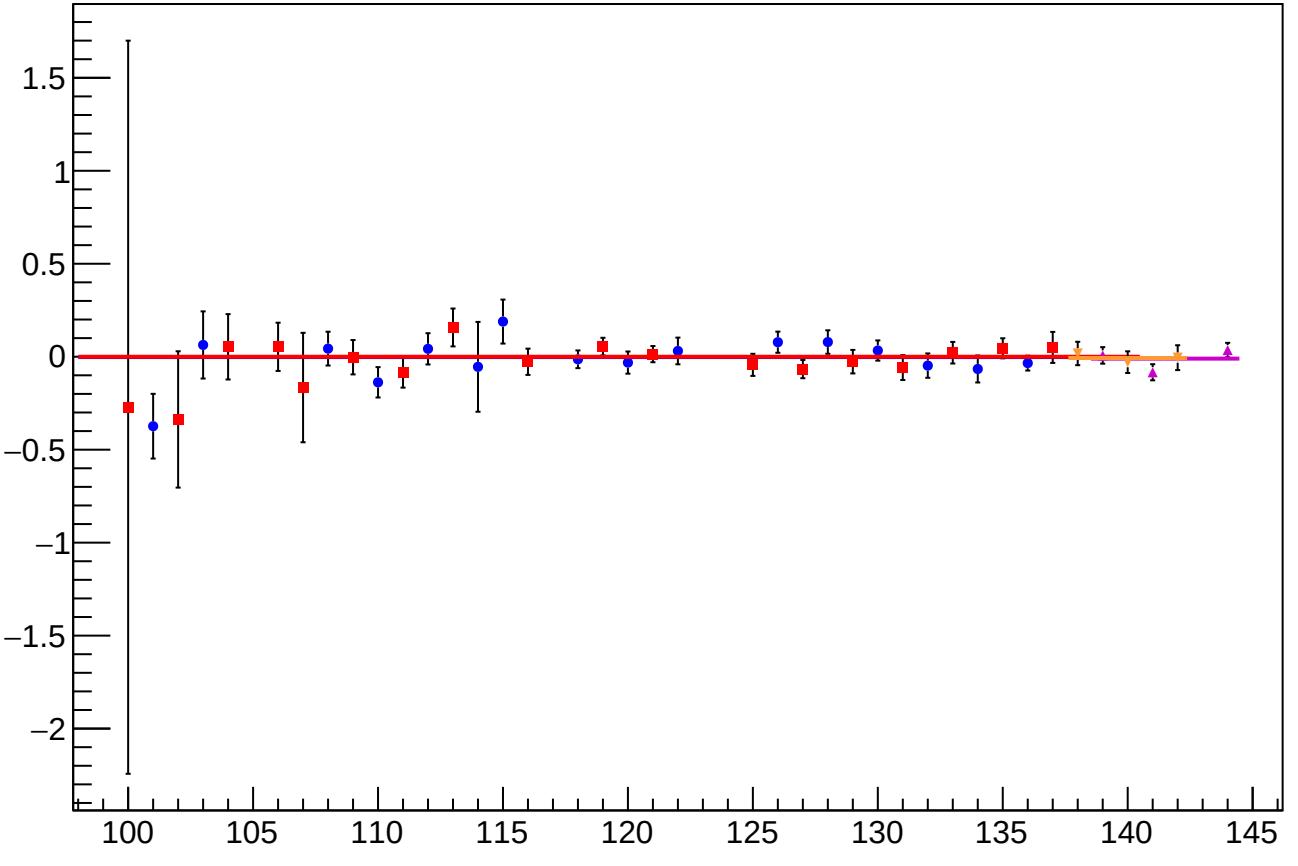
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4340259.1/18

Out: 0.002+/-0.000 χ^2/NDF:6800823.4/20

All: 0.002+/-0.000 χ^2/NDF: 12673349.8/39

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.010+/-0.024 χ^2/NDF:4.4/2

Left: -0.009+/-0.020 χ^2/NDF: 4.7/5

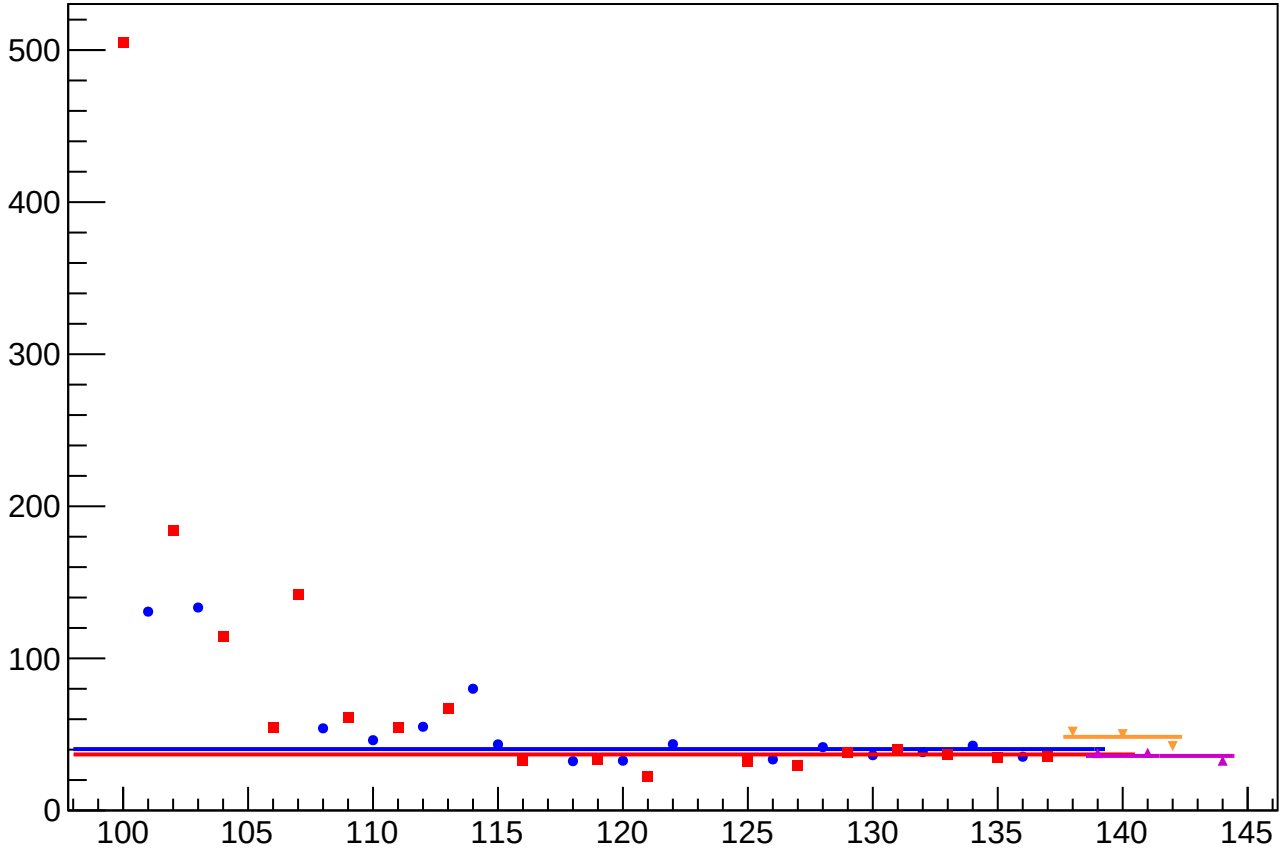
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.005+/-0.014 χ^2/NDF:21.6/18

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.003+/-0.010 χ^2/NDF: 32.9/39

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: 48.403+/-0.025 χ^2/NDF:24259.1/2

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.7/2

Left: 39.777+/-0.014 χ^2/NDF: 212340.1/5

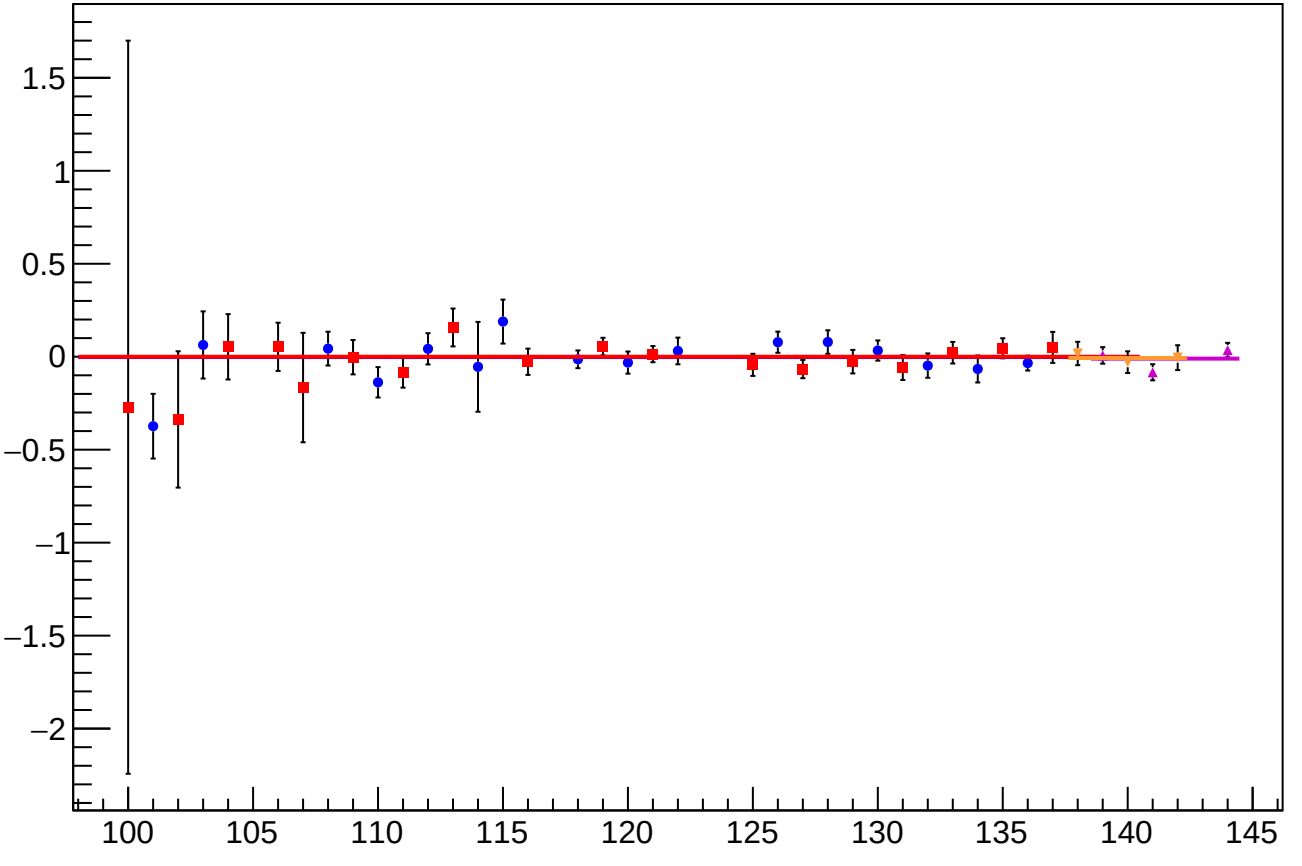
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 38.863+/-0.010 χ^2/NDF:1477057.2/18

Out: 38.867+/-0.011 χ^2/NDF:2031702.4/20

All: 38.865+/-0.007 χ^2/NDF: 3508759.6/39

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.010+/-0.024 χ^2/NDF:4.4/2

Left: -0.009+/-0.020 χ^2/NDF: 4.7/5

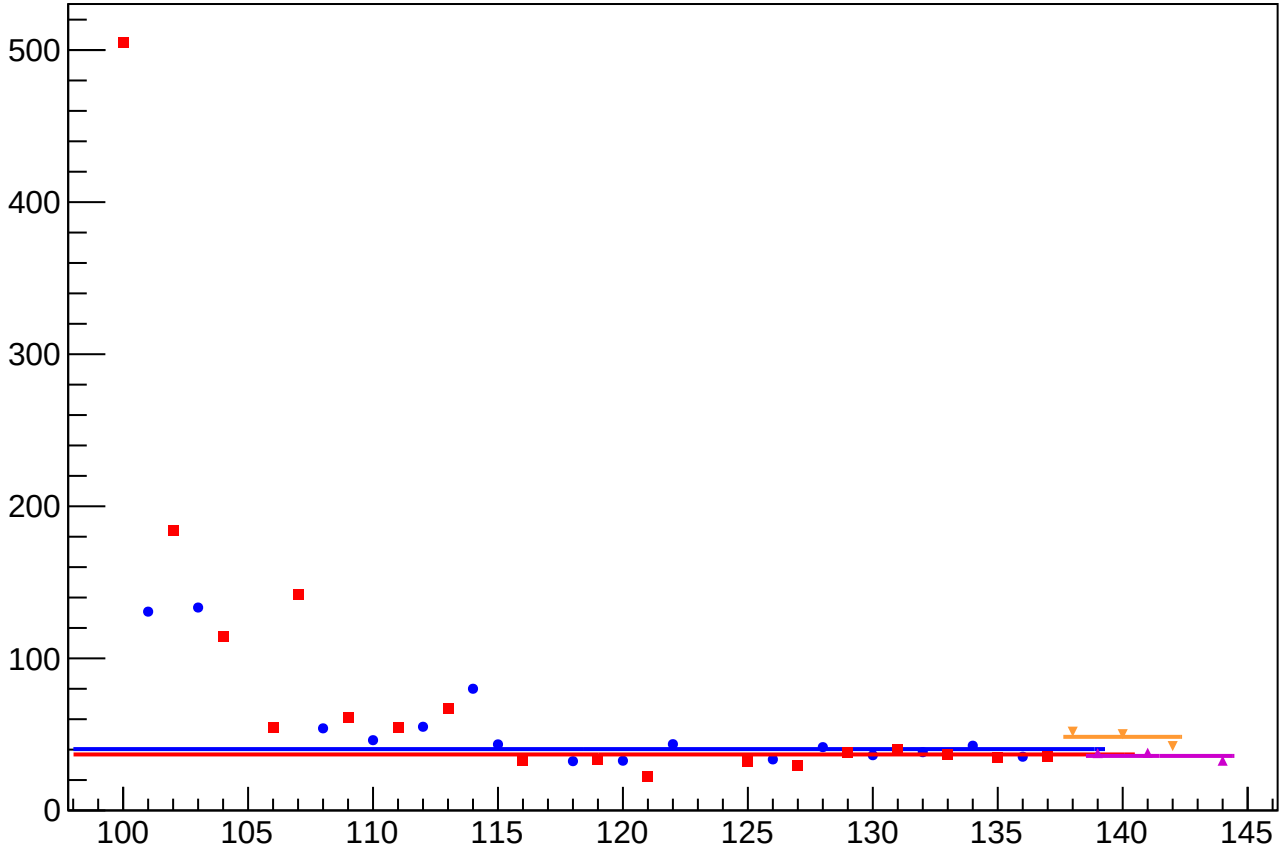
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.005+/-0.014 χ^2/NDF:21.6/18

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.003+/-0.010 χ^2/NDF: 32.9/39

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: 48.403+/-0.025 χ^2/NDF:24259.1/2

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 35.858+/-0.017 χ^2/NDF:21162.7/2

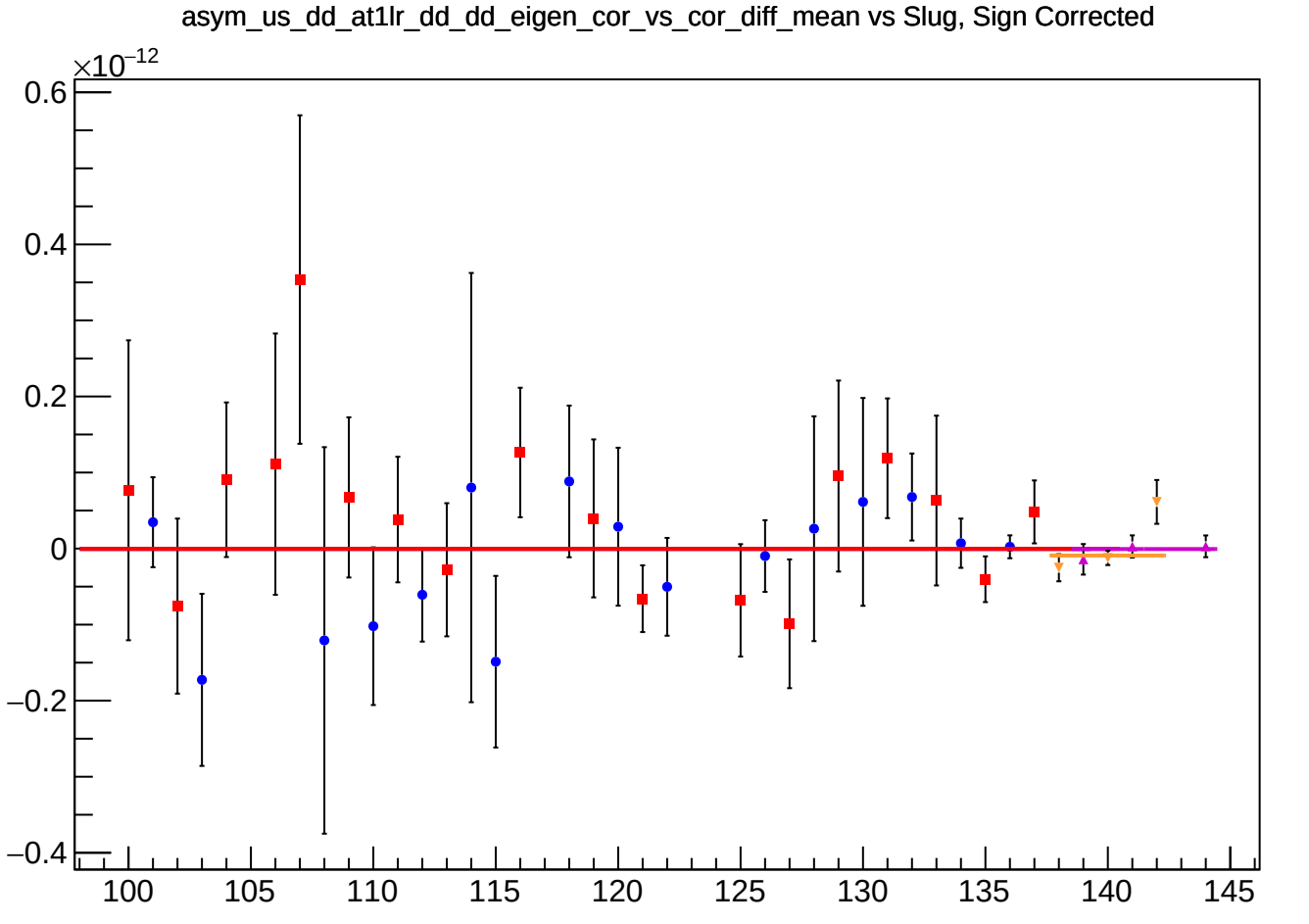
Left: 39.777+/-0.014 χ^2/NDF: 212340.1/5

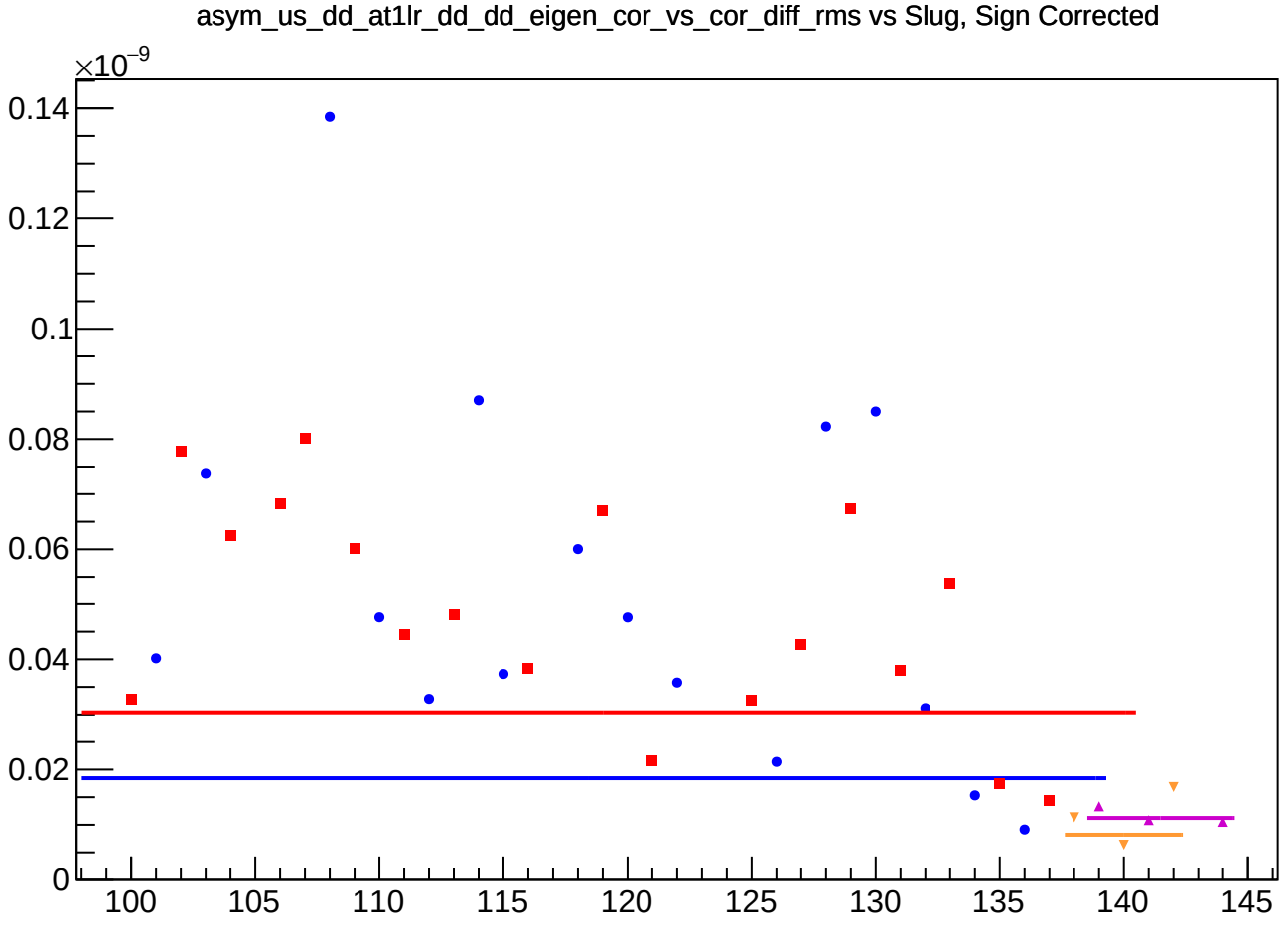
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

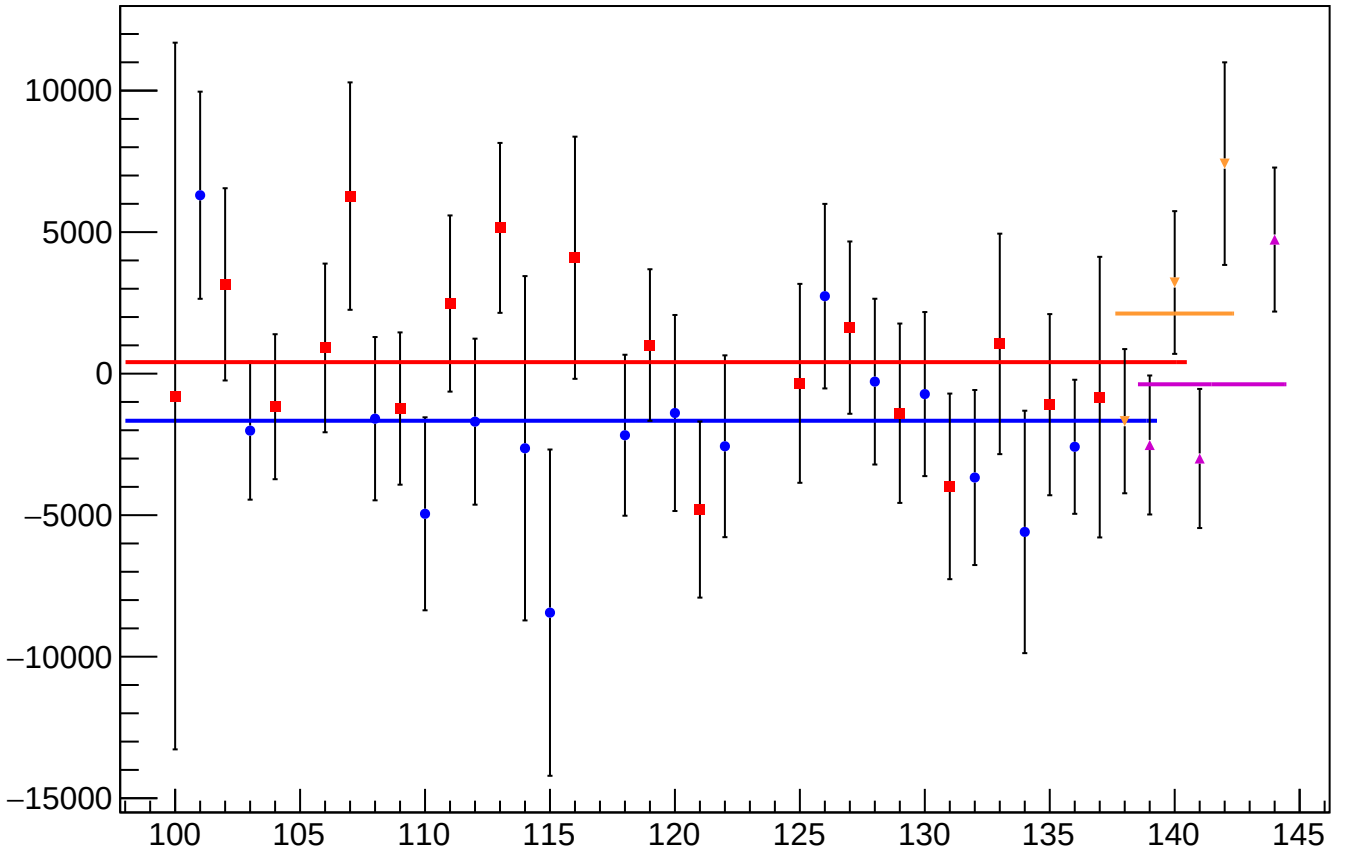
In: 38.863+/-0.010 χ^2/NDF:1477057.2/18

Out: 38.867+/-0.011 χ^2/NDF:2031702.4/20

All: 38.865+/-0.007 χ^2/NDF: 3508759.6/39


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.9/2
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:0.6/2
Left: -0.000+/-0.000 χ²/NDF: 8.0/5
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:10.5/18
Out: -0.000+/-0.000 χ²/NDF:25.5/20
All: -0.000+/-0.000 χ²/NDF: 36.4/39


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:317304.7/2
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:28411.6/2
Left: 0.000+/-0.000 χ²/NDF: 471261.9/5
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:4531423.7/18
Out: 0.000+/-0.000 χ²/NDF:5642406.2/20
All: 0.000+/-0.000 χ²/NDF: 10219520.8/39



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2123.612+/-1602.445 χ^2/NDF:4.6/2

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -375.789+/-1434.623 χ^2/NDF:5.9/2

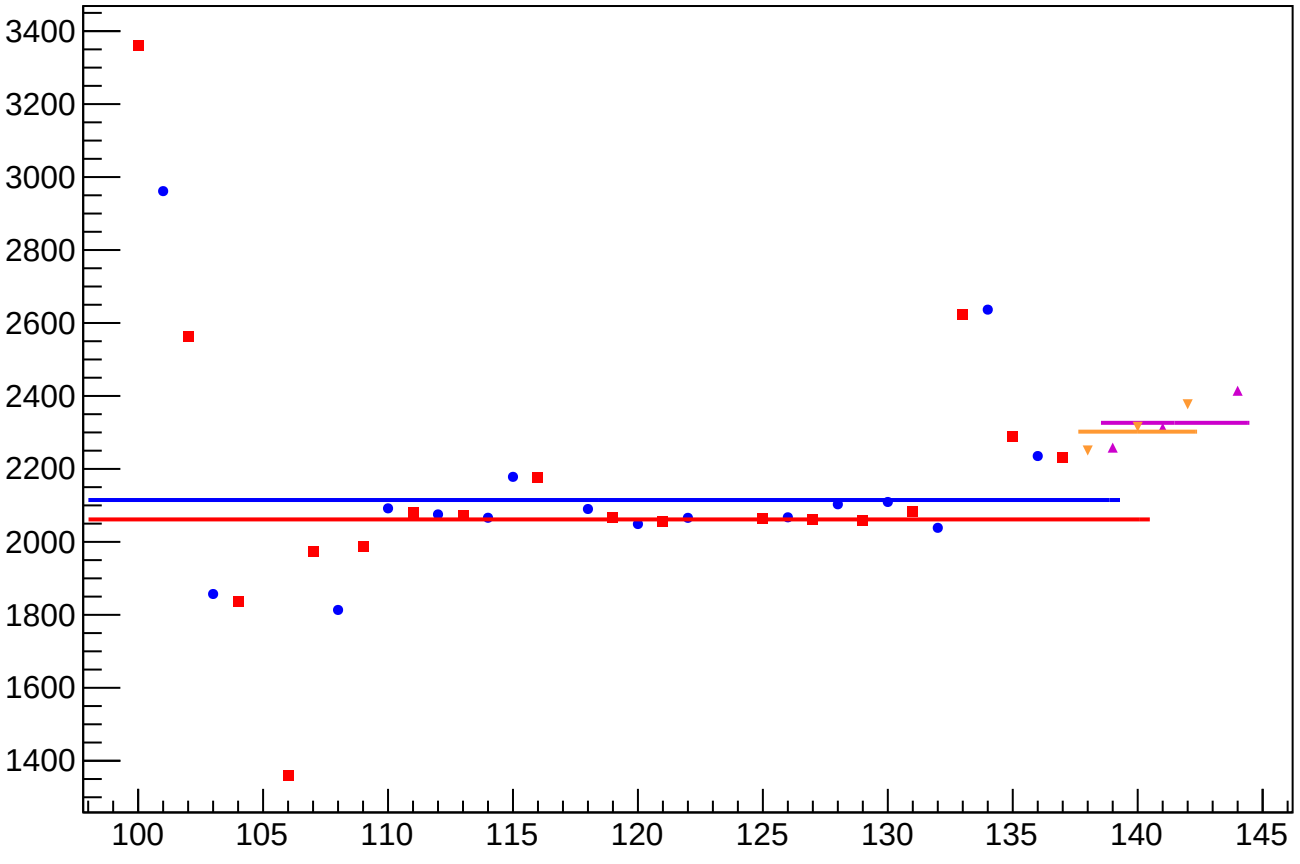
Left: 736.221+/-1068.856 χ^2/NDF: 11.9/5

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1363.235+/-693.468 χ^2/NDF:17.3/18

Out: 733.753+/-699.261 χ^2/NDF:18.3/20

All: -323.462+/-492.391 χ^2/NDF: 40.2/39



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

Left: 2315.577+/-0.756 χ^2/NDF: 5995.4/5

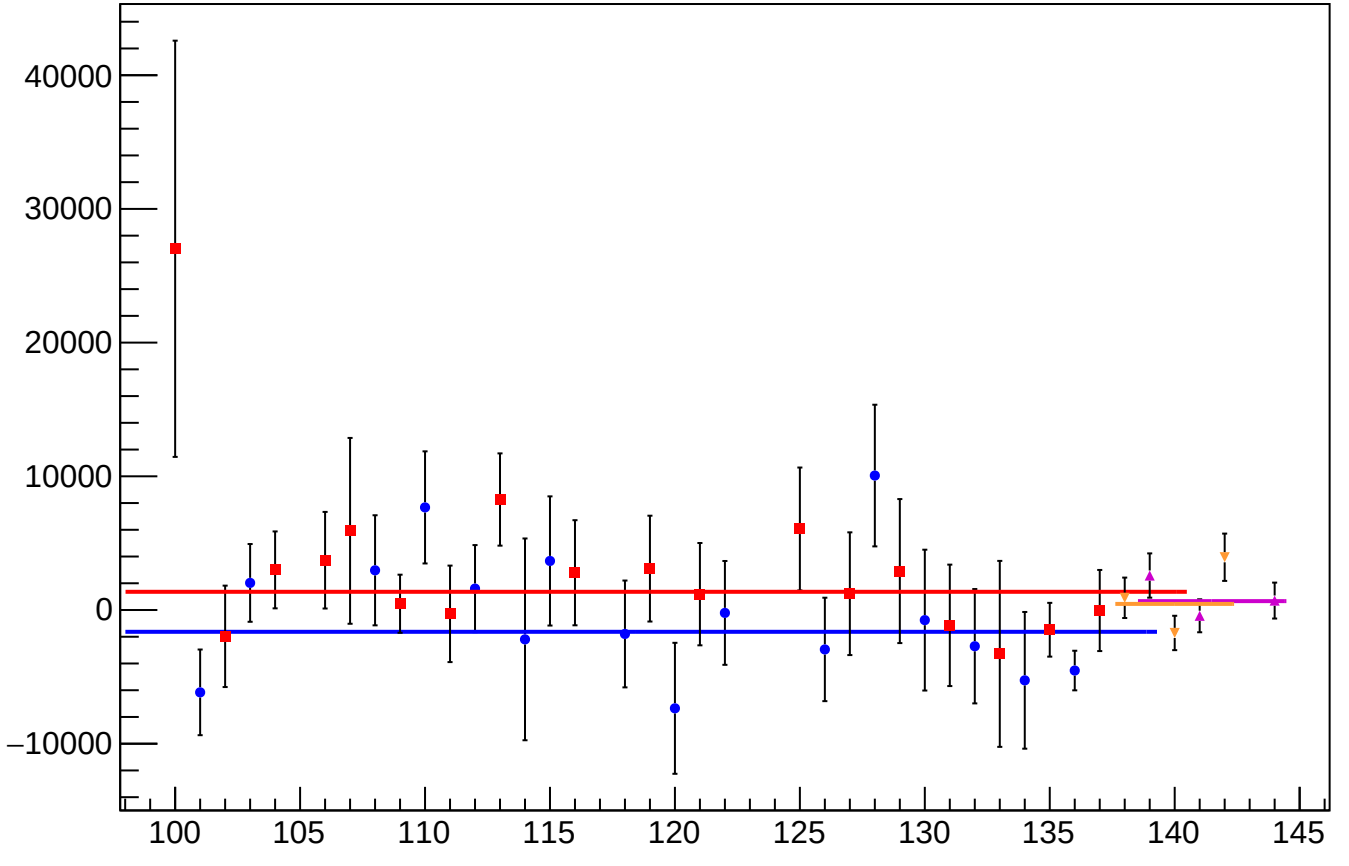
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2164.193+/-0.490 χ^2/NDF:227246.0/18

Out: 2107.373+/-0.494 χ^2/NDF:287440.6/20

All: 2136.019+/-0.348 χ^2/NDF: 521344.5/39

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: 455.995+/-856.711 χ^2/NDF:6.8/2

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 664.026+/-796.589 χ^2/NDF:2.1/2

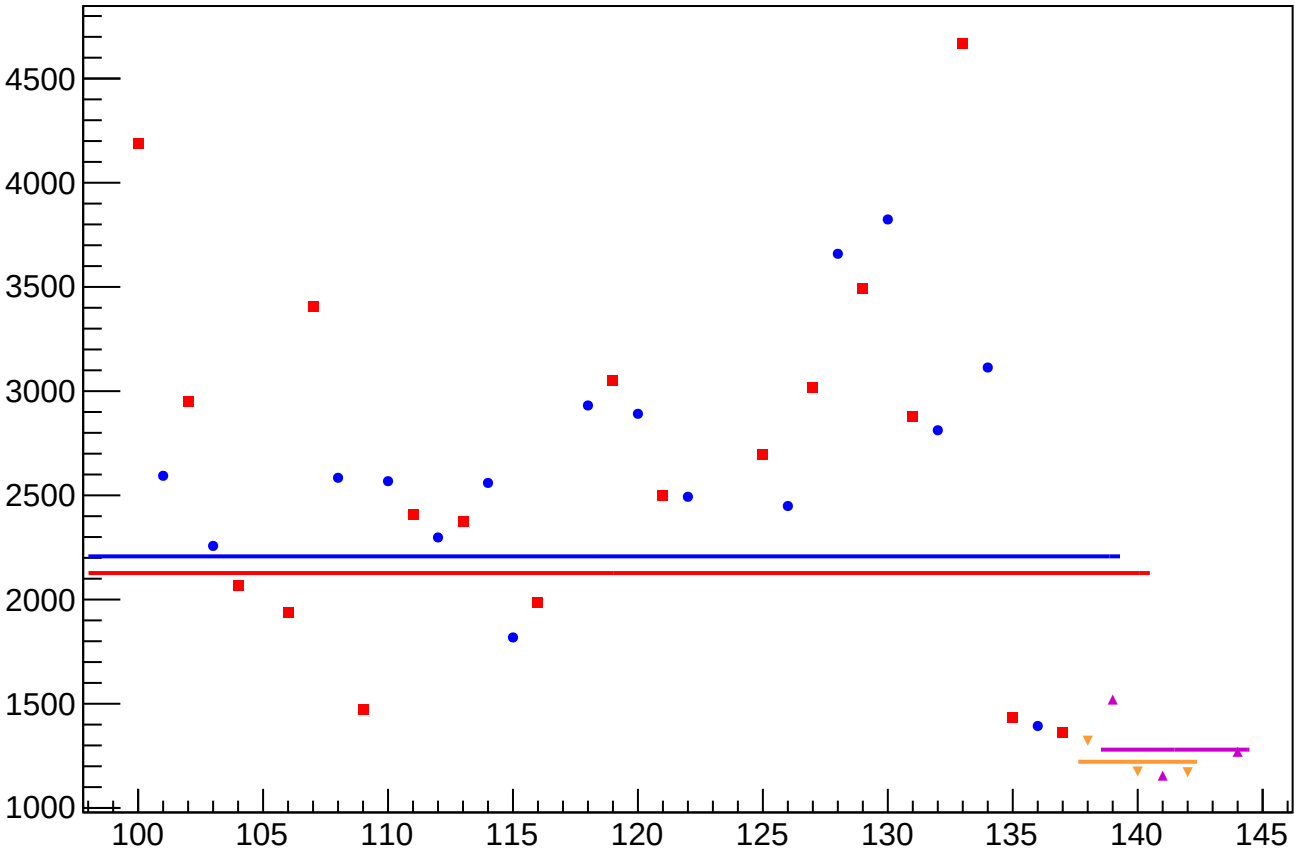
Left: 567.566+/-583.371 χ^2/NDF: 9.0/5

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -392.323+/-585.163 χ^2/NDF:28.8/18

Out: 917.614+/-599.942 χ^2/NDF:20.9/20

All: 246.312+/-418.900 χ^2/NDF: 52.1/39



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1221.608+/-0.606 χ^2/NDF:13206.6/2

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1279.800+/-0.563 χ^2/NDF:62659.1/2

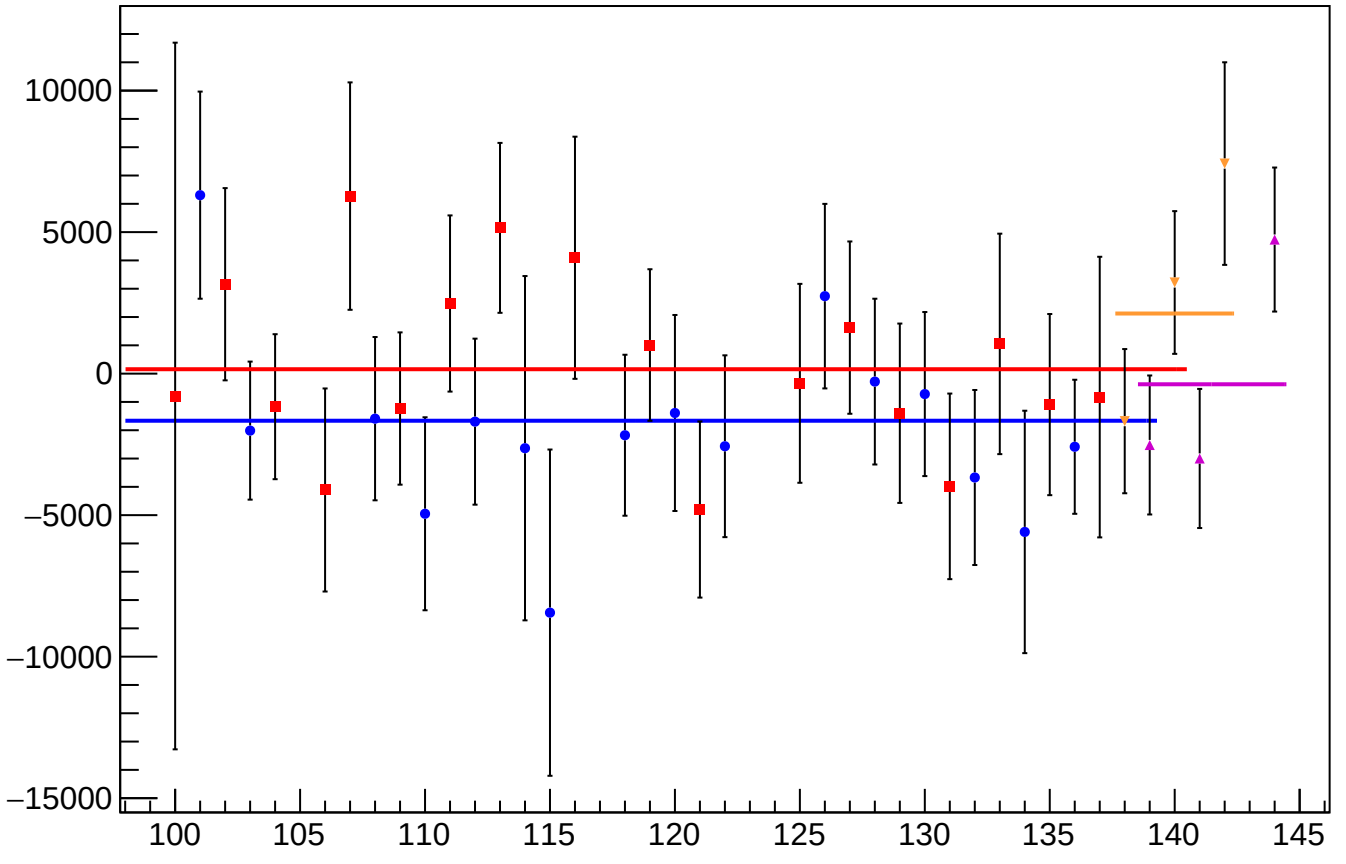
Left: 1252.818+/-0.413 χ^2/NDF: 80814.6/5

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1706.784+/-0.414 χ^2/NDF:2560071.4/18

Out: 1683.110+/-0.424 χ^2/NDF:2610135.3/20

All: 1695.242+/-0.296 χ^2/NDF: 5171802.7/39



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -375.933+/-1434.623 χ^2/NDF:5.9/2

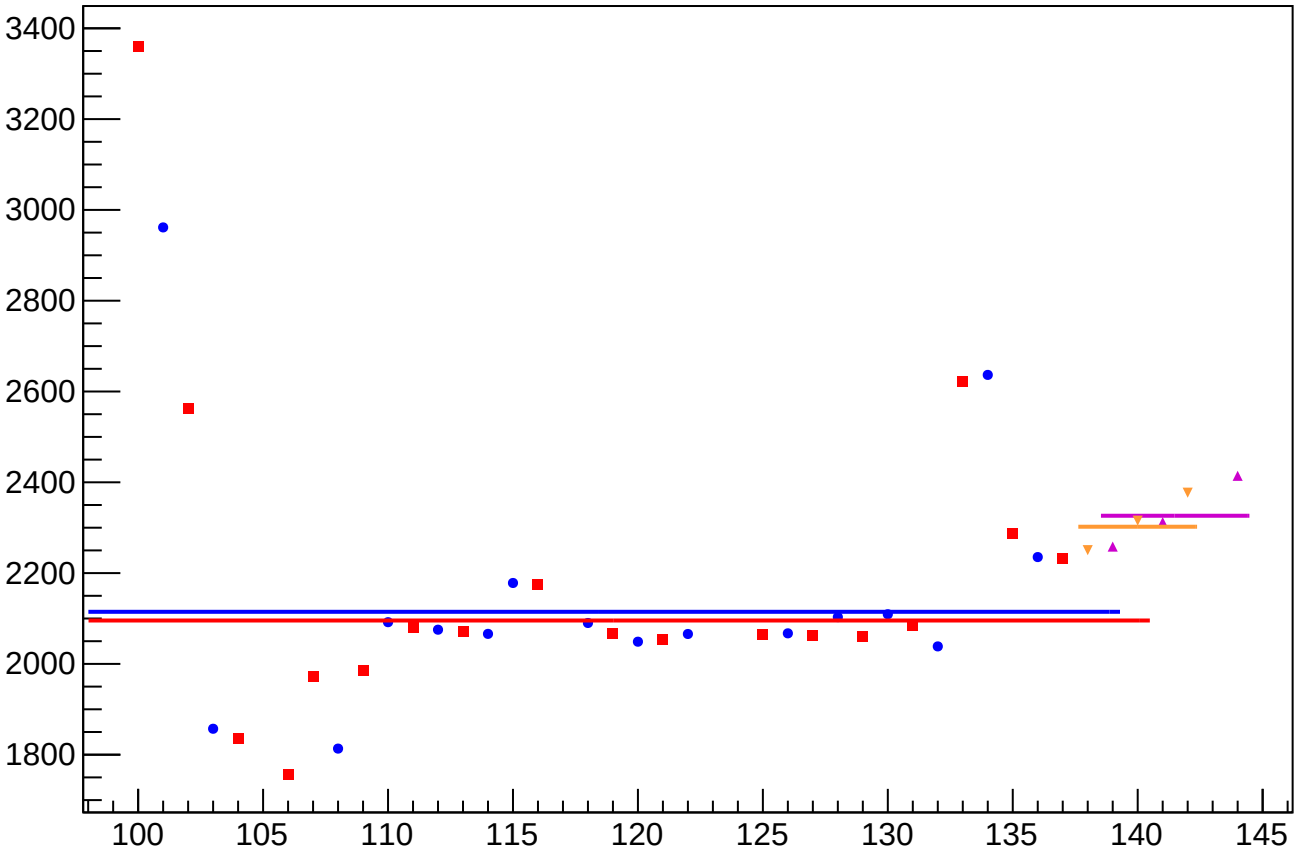
Left: 736.340+/-1068.856 χ^2/NDF: 11.9/5

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1363.212+/-693.468 χ^2/NDF:17.3/18

Out: 537.083+/-705.305 χ^2/NDF:20.0/20

All: -429.144+/-494.488 χ^2/NDF: 41.1/39



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

Left: 2315.577+/-0.756 χ^2/NDF: 5995.4/5

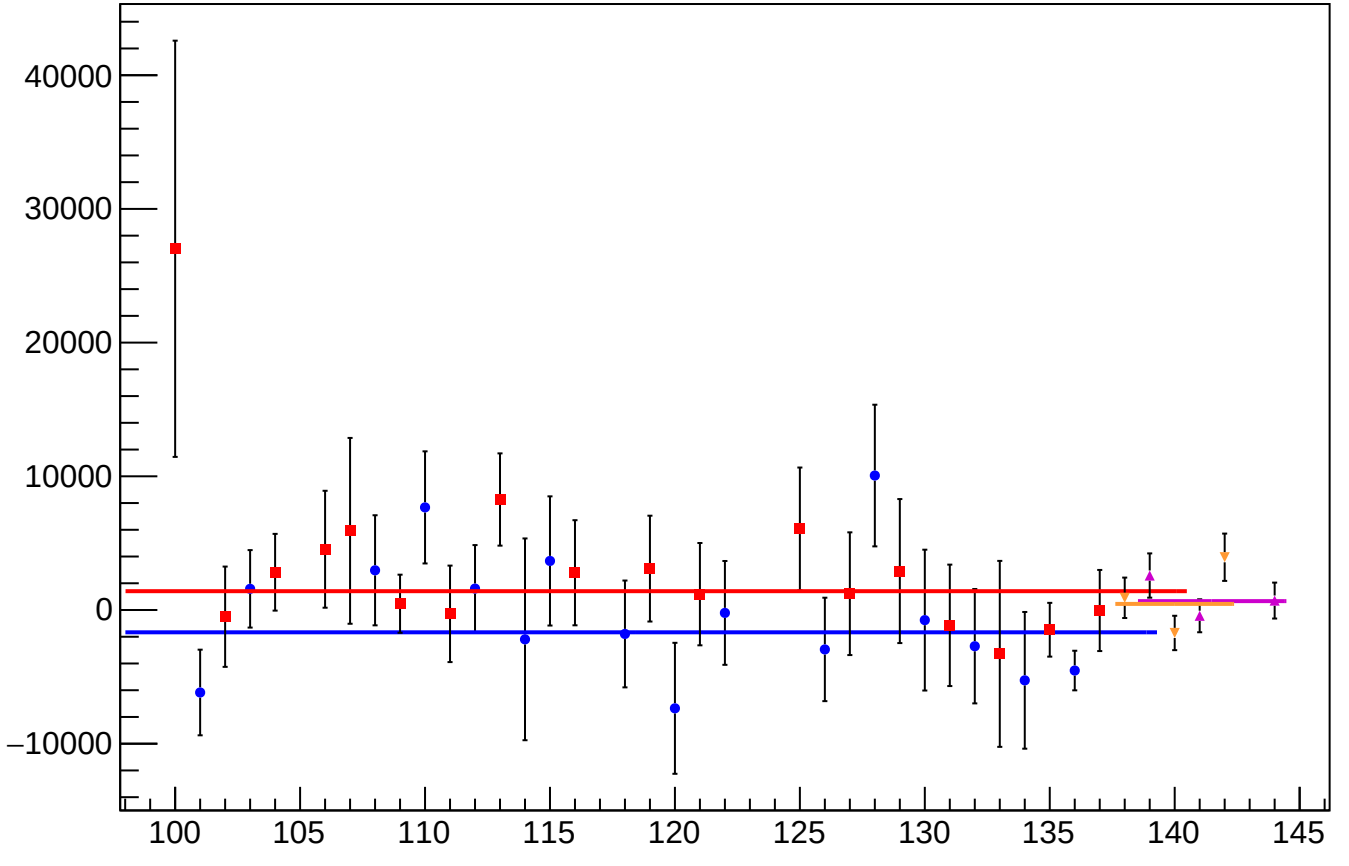
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2164.193+/-0.490 χ^2/NDF:227246.4/18

Out: 2135.611+/-0.499 χ^2/NDF:177908.0/20

All: 2150.144+/-0.350 χ^2/NDF: 406824.4/39

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: 455.834+/-856.730 χ^2/NDF:6.8/2

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 664.089+/-796.579 χ^2/NDF:2.1/2

Left: 567.528+/-583.373 χ^2/NDF: 9.0/5

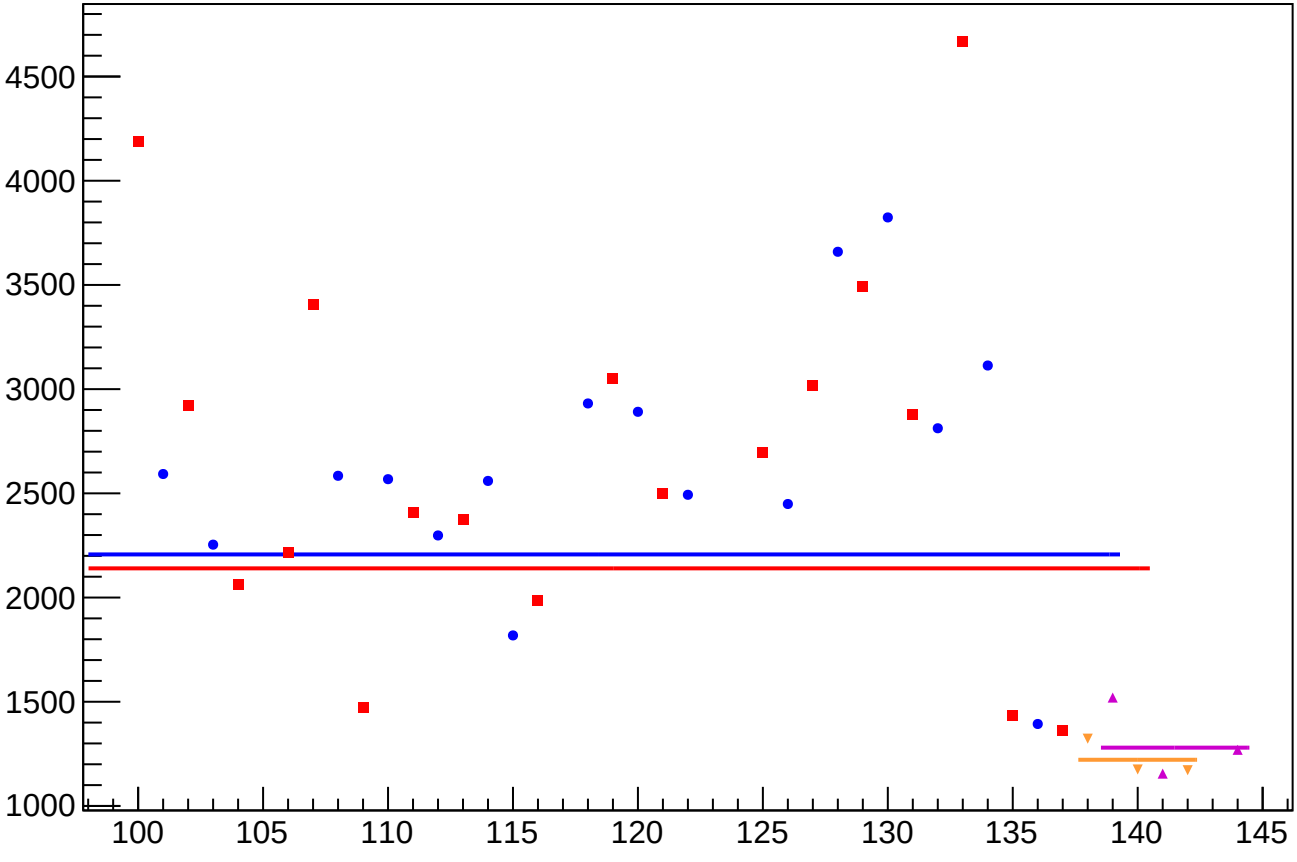
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -410.165+/-585.068 χ^2/NDF:28.6/18

Out: 937.303+/-602.355 χ^2/NDF:20.4/20

All: 243.957+/-419.684 χ^2/NDF: 51.6/39

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: 1221.638+/-0.606 χ^2/NDF:13197.1/2

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1279.783+/-0.563 χ^2/NDF:62673.2/2

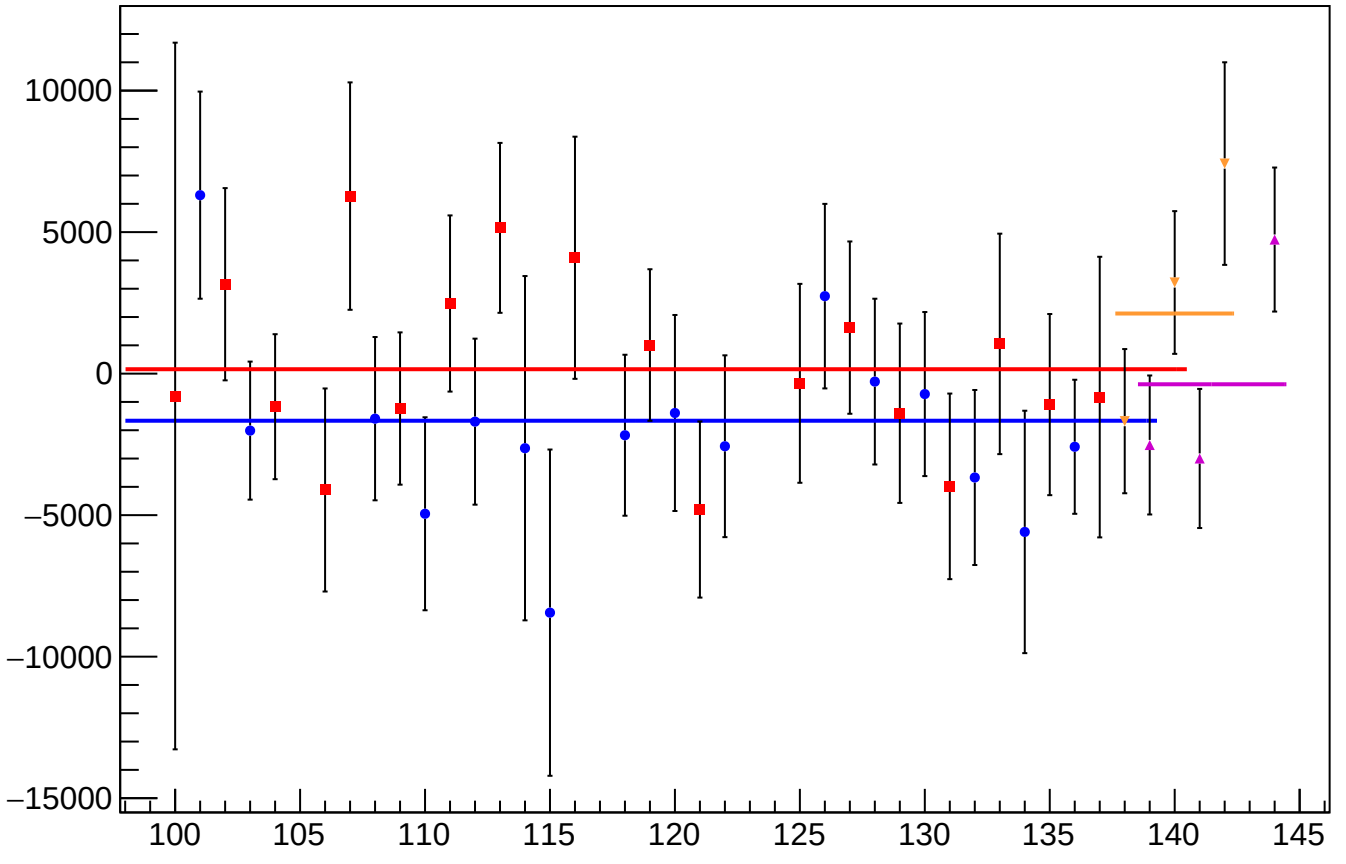
Left: 1252.823+/-0.413 χ^2/NDF: 80811.2/5

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1706.770+/-0.414 χ^2/NDF:2559454.8/18

Out: 1686.057+/-0.426 χ^2/NDF:2623800.0/20

All: 1696.715+/-0.297 χ^2/NDF: 5184471.7/39



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -375.933+/-1434.623 χ^2/NDF:5.9/2

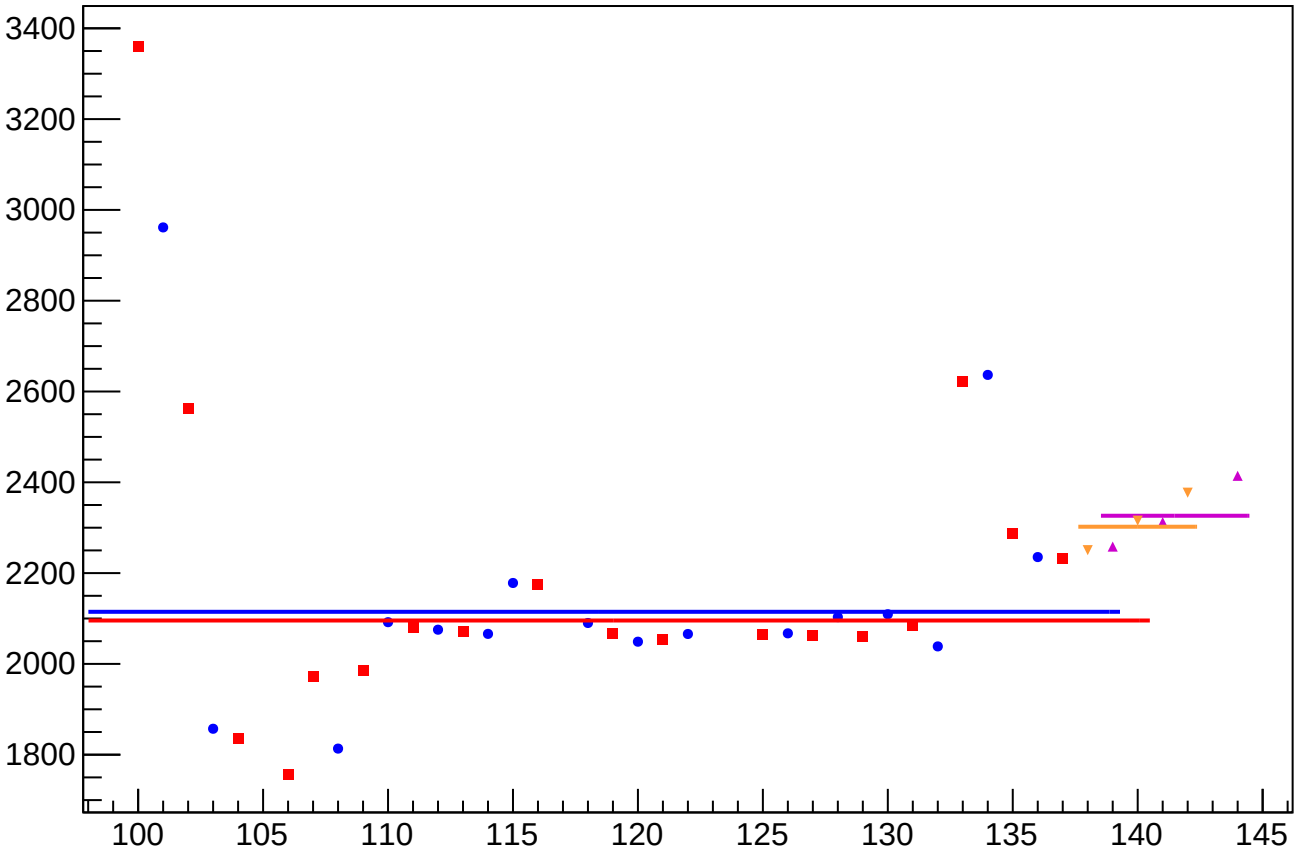
Left: 736.340+/-1068.856 χ^2/NDF: 11.9/5

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1363.212+/-693.468 χ^2/NDF:17.3/18

Out: 537.083+/-705.305 χ^2/NDF:20.0/20

All: -429.144+/-494.488 χ^2/NDF: 41.1/39



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2326.340+/-1.014 χ^2/NDF:3987.0/2

Left: 2315.577+/-0.756 χ^2/NDF: 5995.4/5

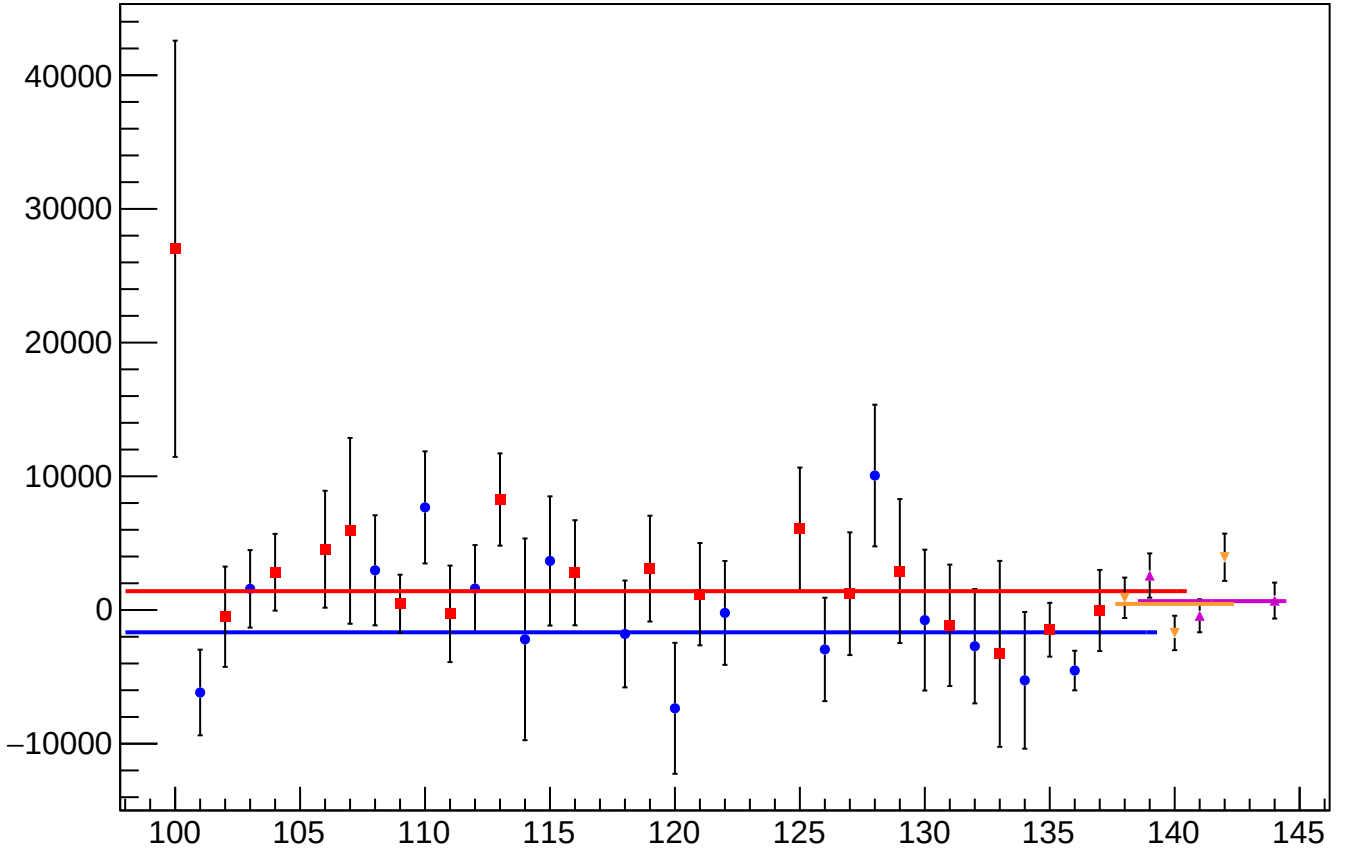
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2164.193+/-0.490 χ^2/NDF:227246.4/18

Out: 2135.611+/-0.499 χ^2/NDF:177908.0/20

All: 2150.144+/-0.350 χ^2/NDF: 406824.4/39

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: 455.834+/-856.730 χ^2/NDF:6.8/2

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 664.089+/-796.579 χ^2/NDF:2.1/2

Left: 567.528+/-583.373 χ^2/NDF: 9.0/5

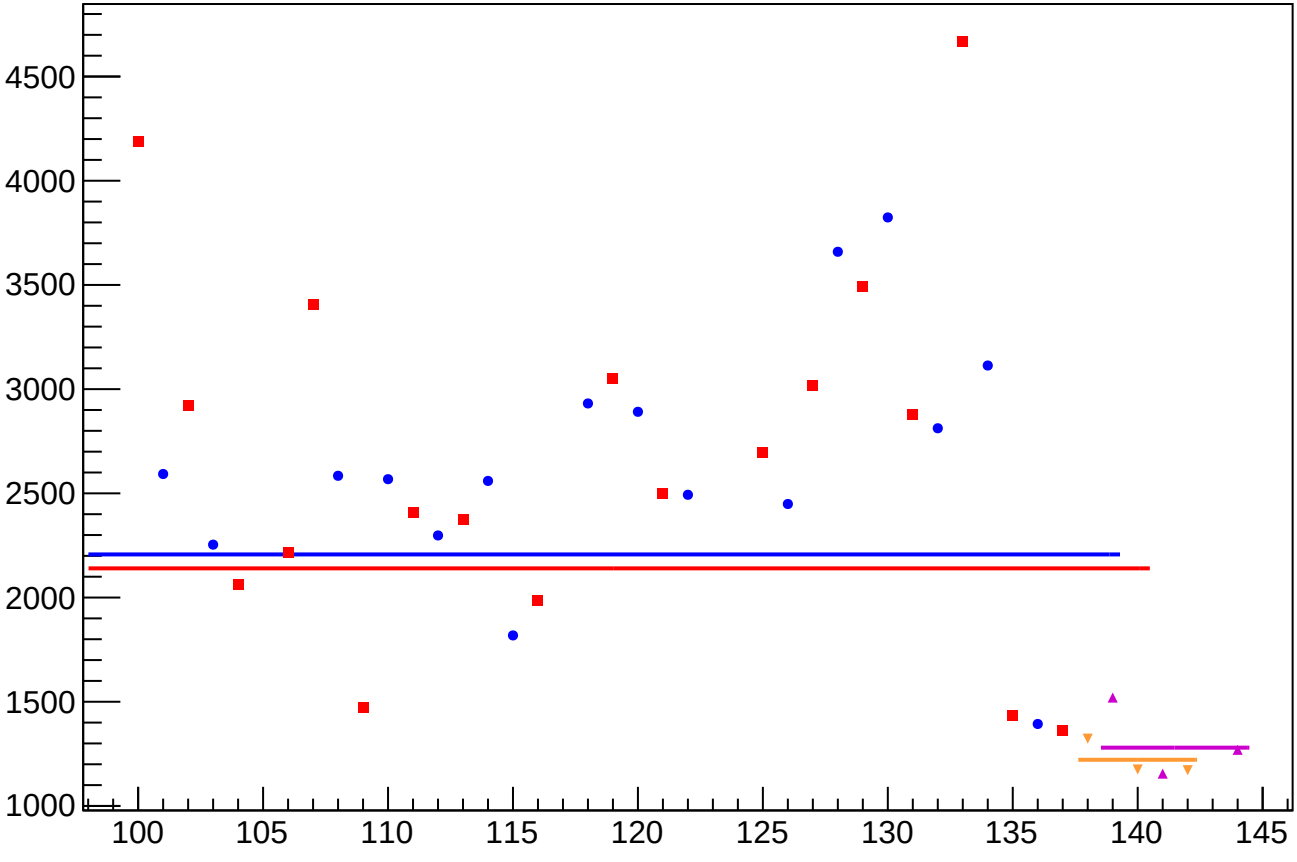
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -410.165+/-585.068 χ^2/NDF:28.6/18

Out: 937.303+/-602.355 χ^2/NDF:20.4/20

All: 243.957+/-419.684 χ^2/NDF: 51.6/39

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: 1221.638+/-0.606 χ^2/NDF:13197.1/2

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1279.783+/-0.563 χ^2/NDF:62673.2/2

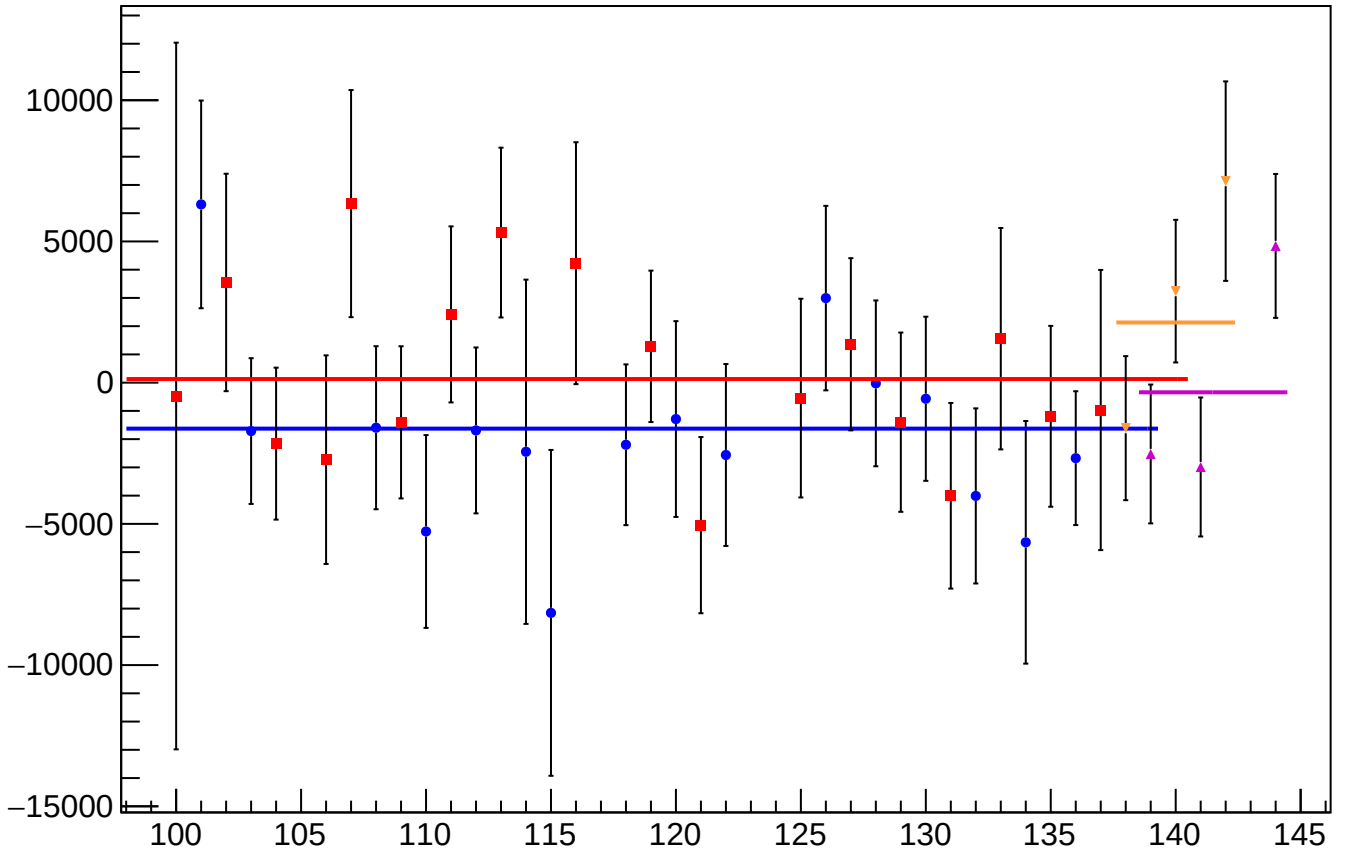
Left: 1252.823+/-0.413 χ^2/NDF: 80811.2/5

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1706.770+/-0.414 χ^2/NDF:2559454.8/18

Out: 1686.057+/-0.426 χ^2/NDF:2623800.0/20

All: 1696.715+/-0.297 χ^2/NDF: 5184471.7/39



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2130.552+/-1599.549 χ^2/NDF:4.4/2

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -341.398+/-1436.231 χ^2/NDF:6.1/2

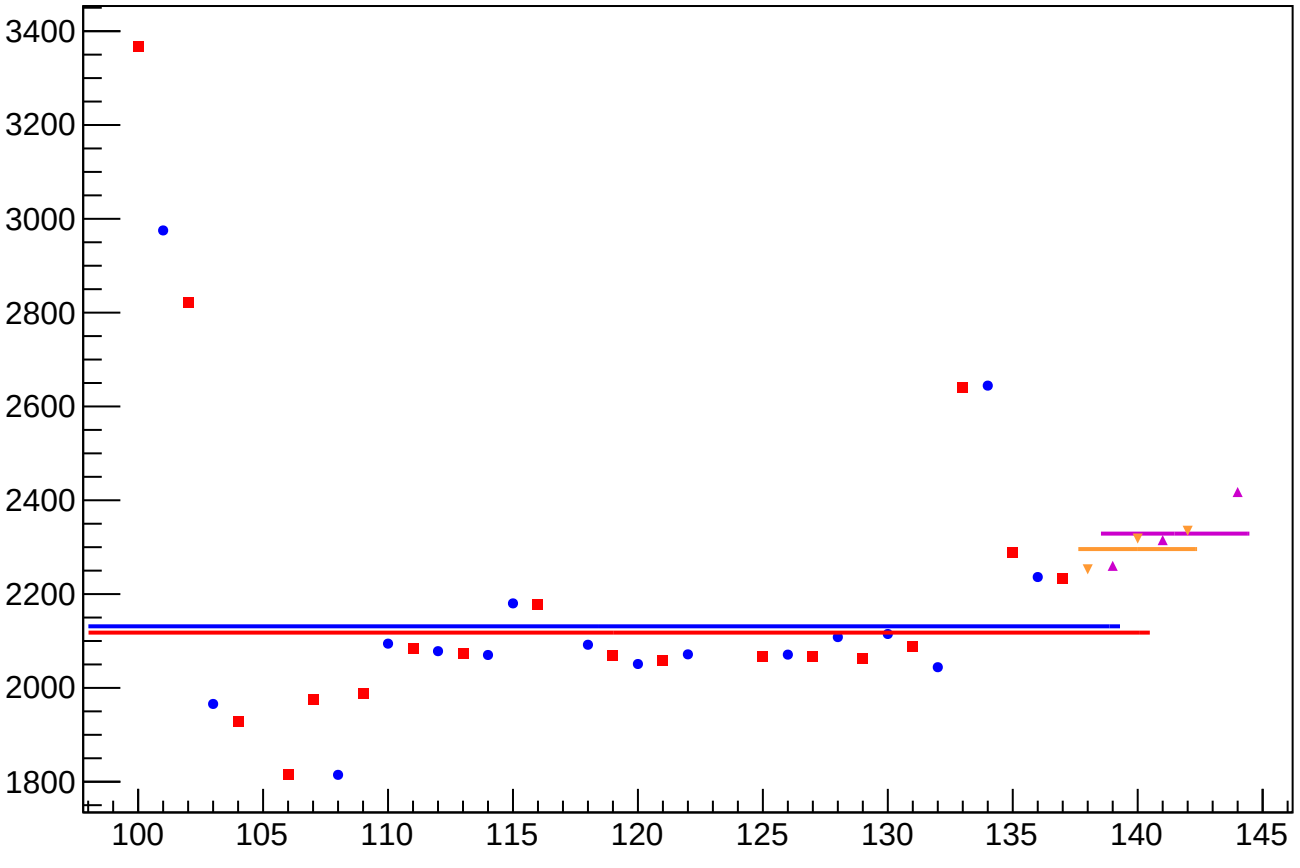
Left: 761.976+/-1068.658 χ^2/NDF: 11.8/5

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1324.242+/-697.536 χ^2/NDF:18.0/18

Out: 525.487+/-712.563 χ^2/NDF:20.2/20

All: -419.088+/-498.460 χ^2/NDF: 41.6/39



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2295.976+/-1.131 χ^2/NDF:975.7/2

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2328.917+/-1.016 χ^2/NDF:4048.1/2

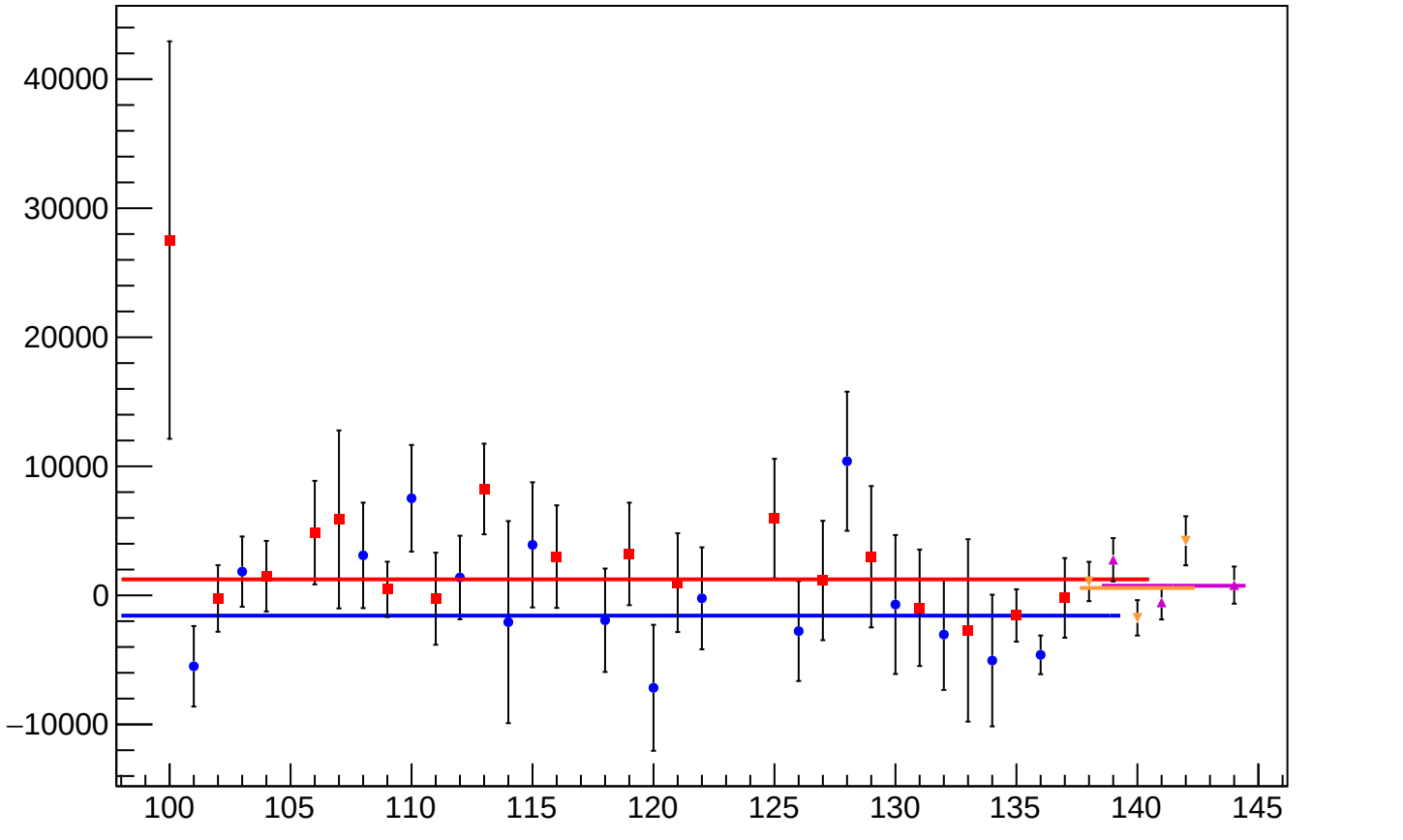
Left: 2314.214+/-0.756 χ^2/NDF: 5493.4/5

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2177.912+/-0.493 χ^2/NDF:208925.0/18

Out: 2153.213+/-0.504 χ^2/NDF:184474.8/20

All: 2165.826+/-0.352 χ^2/NDF: 394626.9/39



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: 573.023+/-898.615 χ^2/NDF:6.7/2

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 744.651+/-841.590 χ^2/NDF:2.4/2

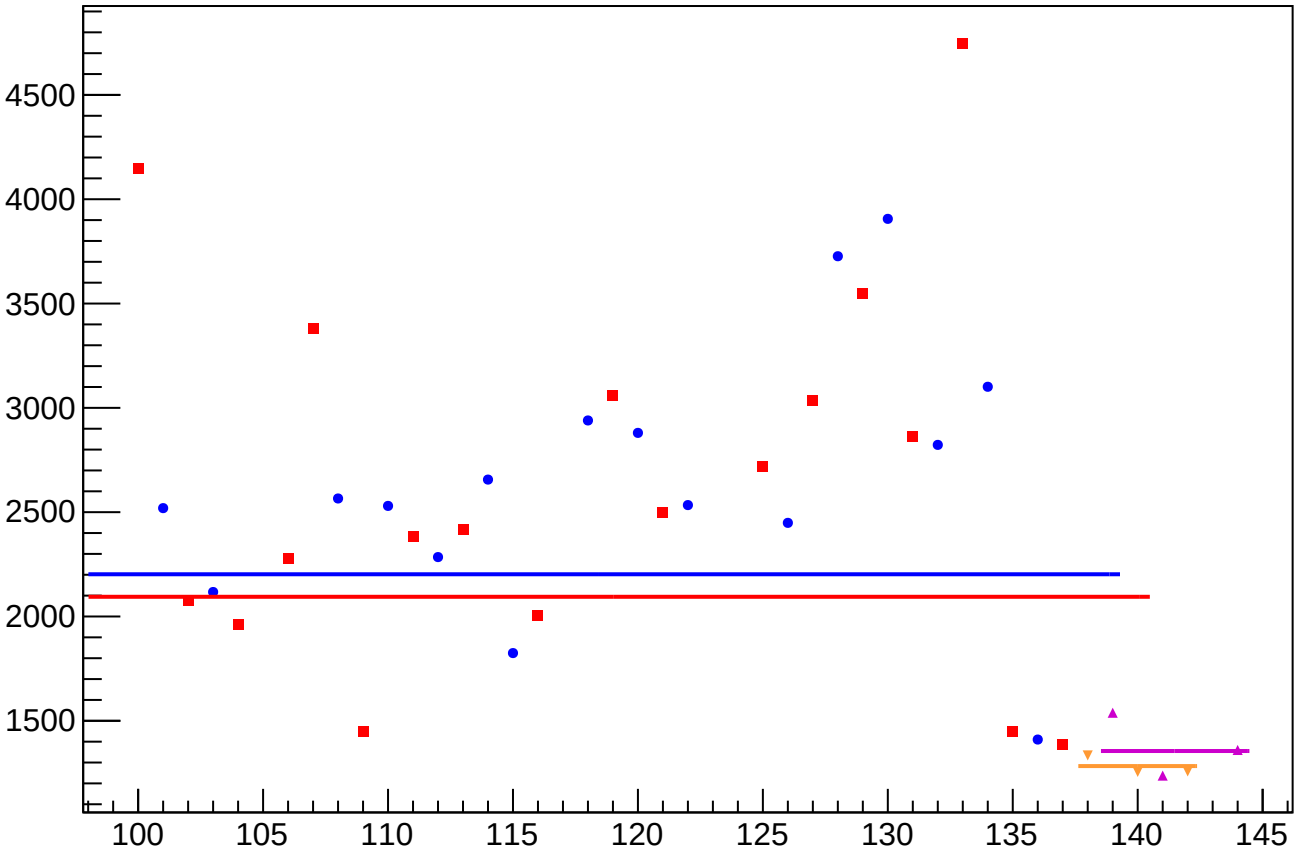
Left: 664.455+/-614.265 χ^2/NDF: 9.1/5

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -388.491+/-601.413 χ^2/NDF:28.7/18

Out: 937.598+/-605.627 χ^2/NDF:20.0/20

All: 269.924+/-426.745 χ^2/NDF: 51.1/39



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1282.996+/-0.635 χ^2/NDF:3439.5/2

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1355.187+/-0.595 χ^2/NDF:39889.7/2

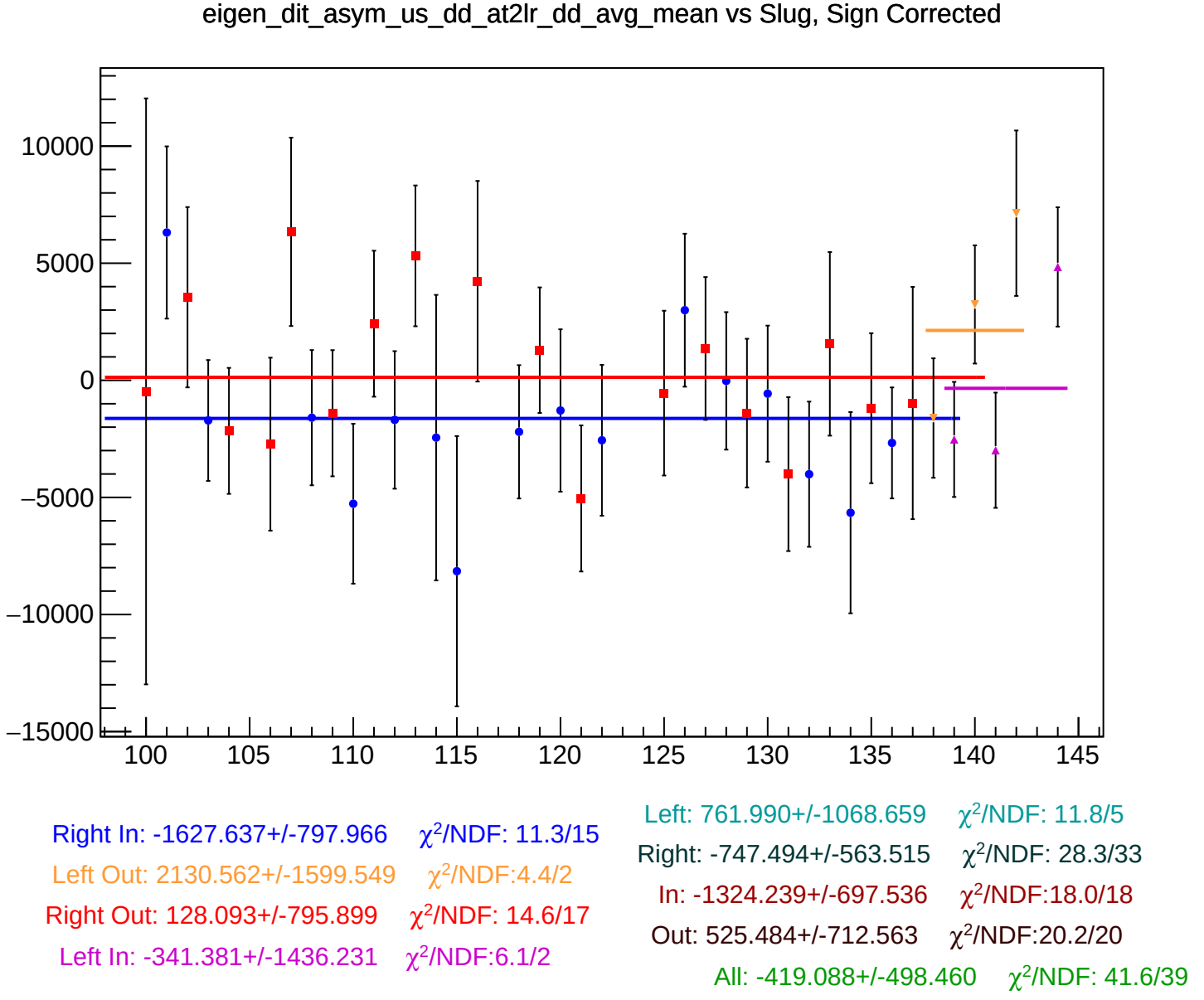
Left: 1321.455+/-0.434 χ^2/NDF: 50205.8/5

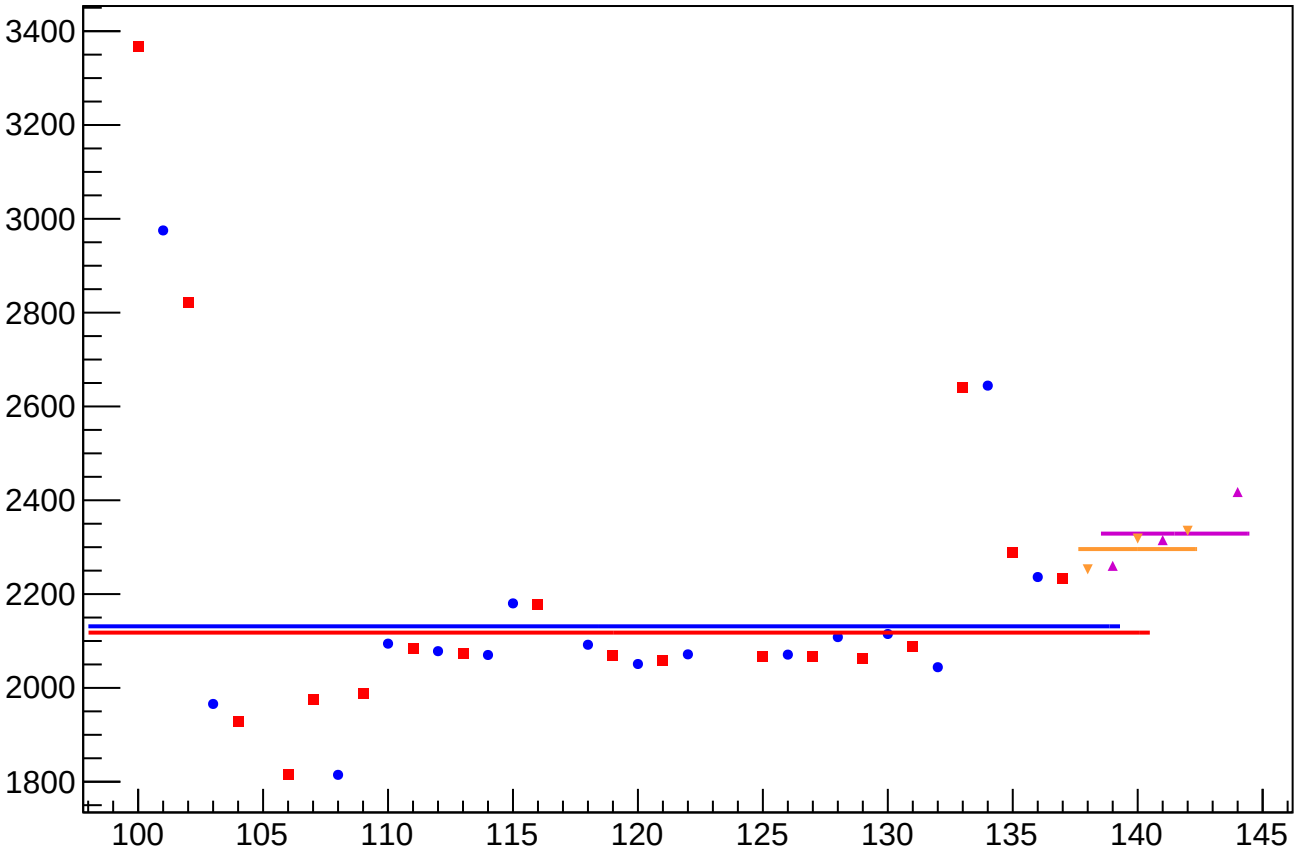
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1769.739+/-0.425 χ^2/NDF:2254574.3/18

Out: 1725.872+/-0.428 χ^2/NDF:2267190.0/20

All: 1747.959+/-0.302 χ^2/NDF: 4527047.6/39


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 2130.562+/-1599.549 χ²/NDF:4.4/2
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -341.381+/-1436.231 χ²/NDF:6.1/2
Left: 761.990+/-1068.659 χ²/NDF: 11.8/5
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1324.239+/-697.536 χ²/NDF:18.0/18
Out: 525.484+/-712.563 χ²/NDF:20.2/20
All: -419.088+/-498.460 χ²/NDF: 41.6/39



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2295.976+/-1.131 χ^2/NDF:975.7/2

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2328.918+/-1.016 χ^2/NDF:4048.1/2

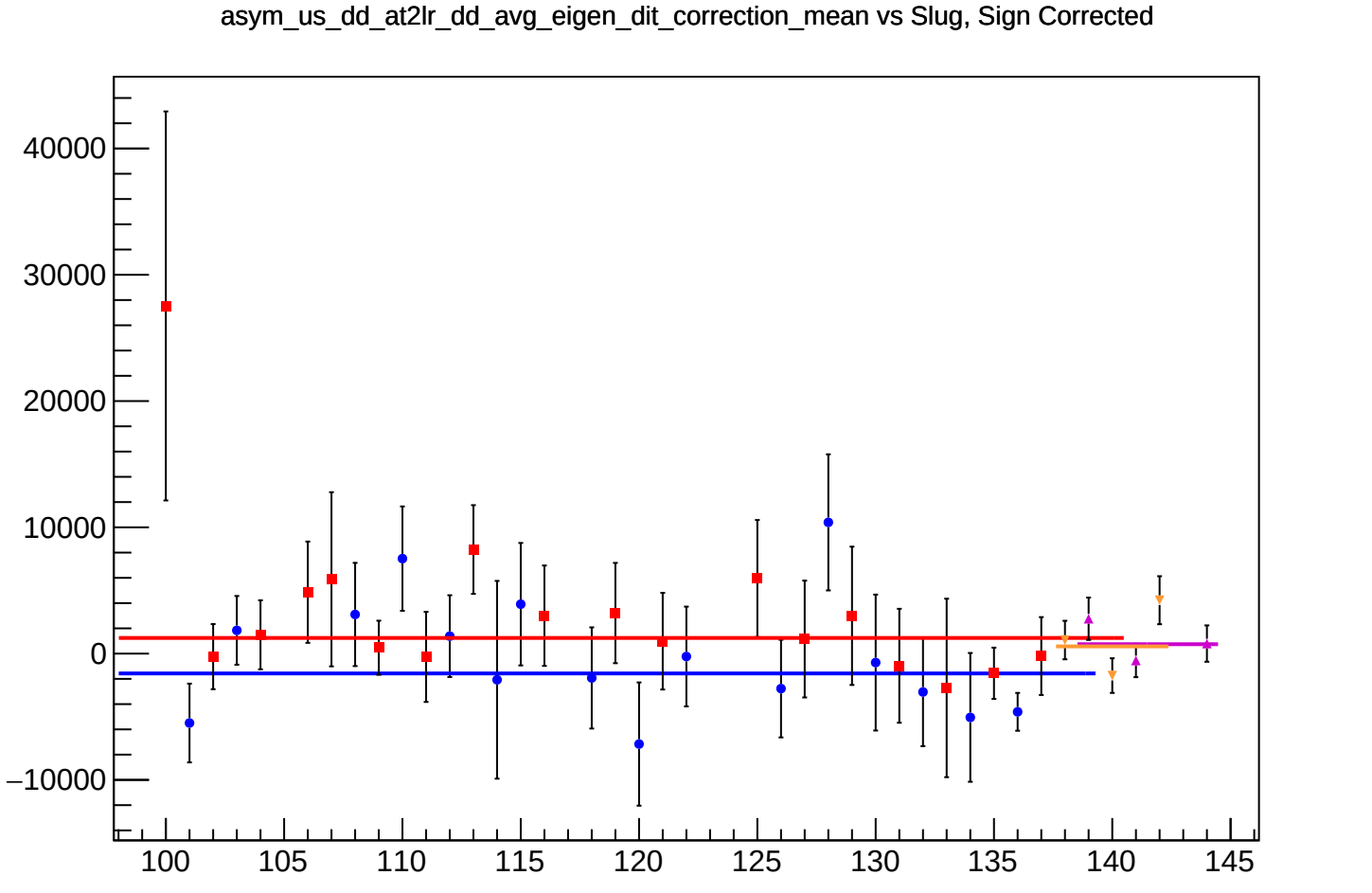
Left: 2314.214+/-0.756 χ^2/NDF: 5493.4/5

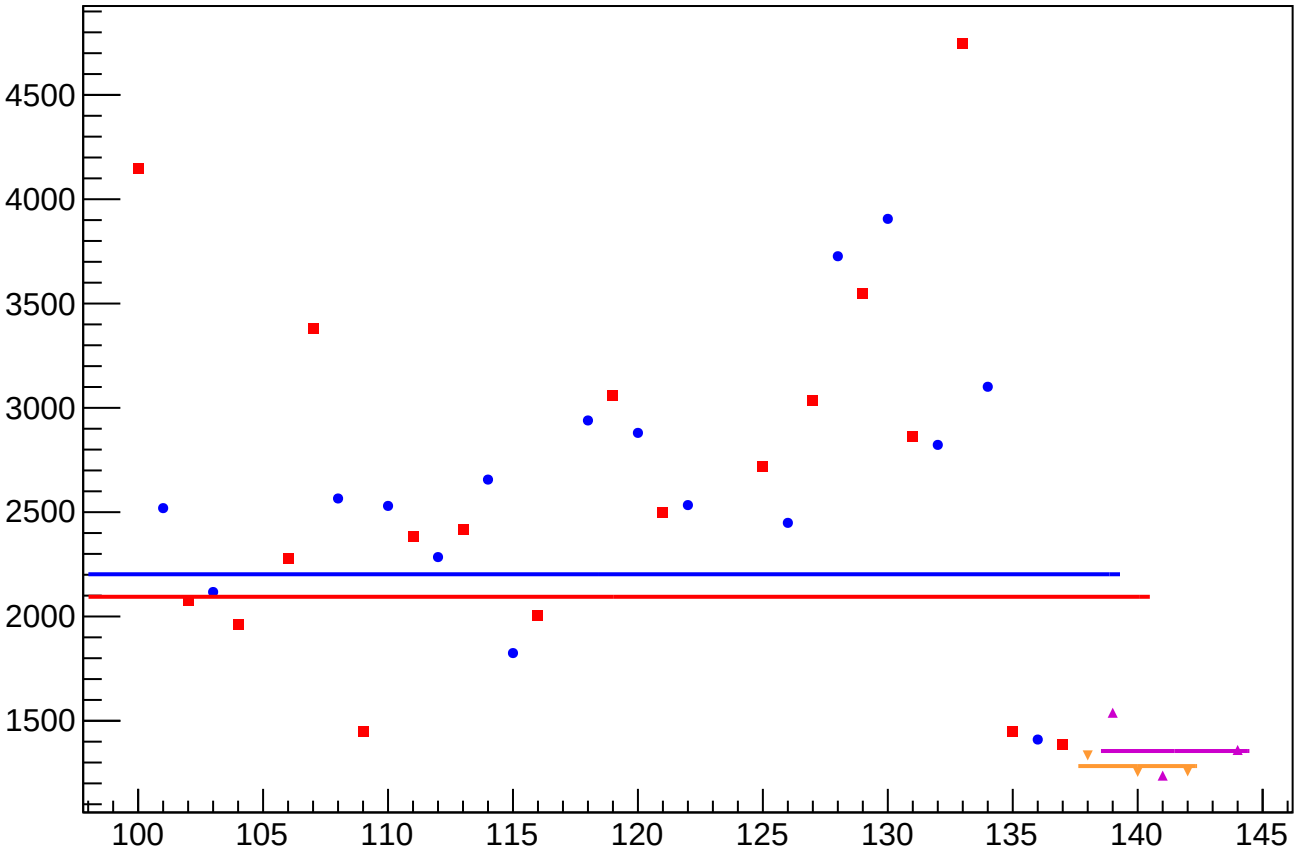
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

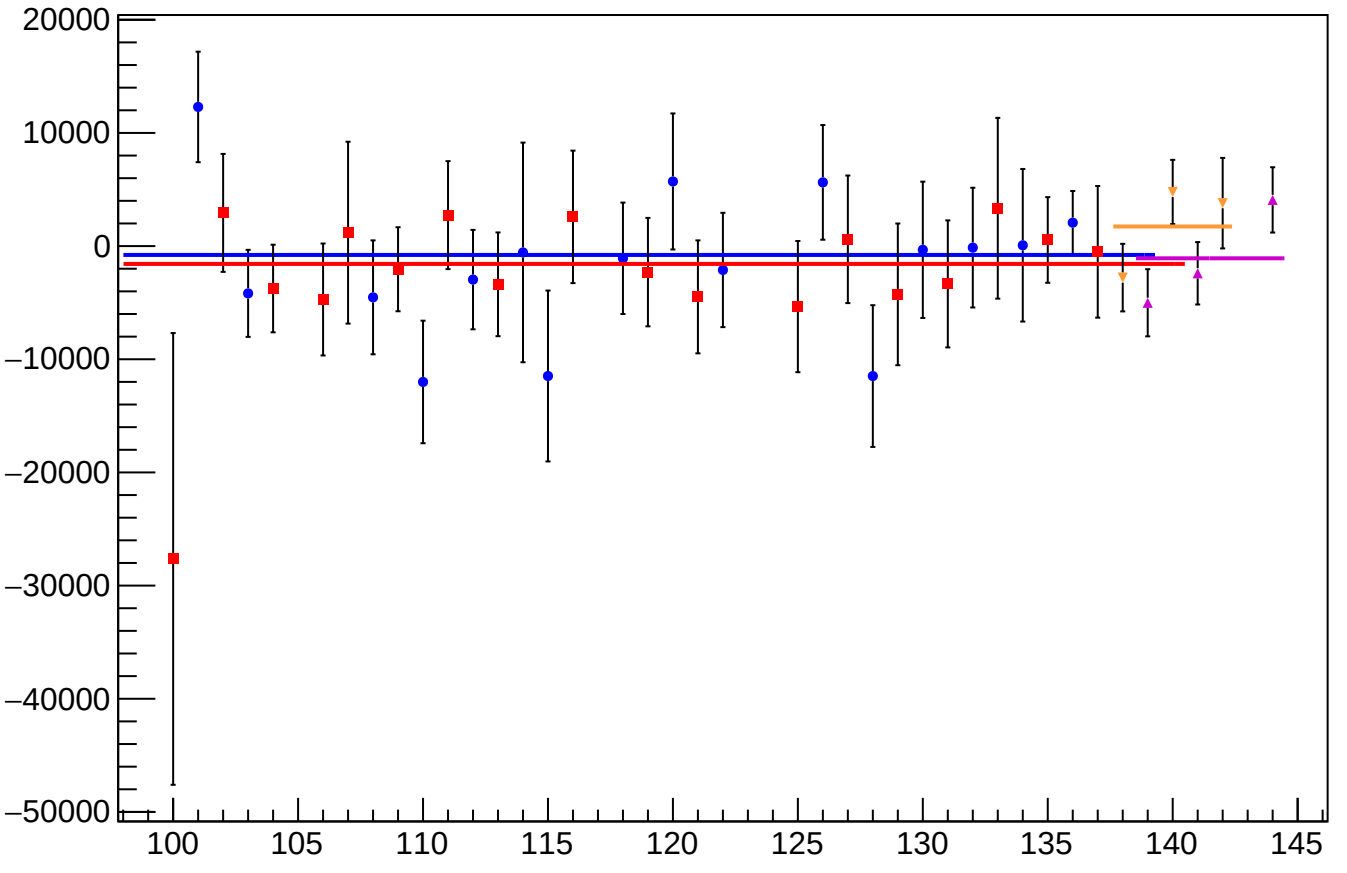
In: 2177.912+/-0.493 χ^2/NDF:208925.1/18

Out: 2153.213+/-0.504 χ^2/NDF:184474.7/20

All: 2165.826+/-0.352 χ^2/NDF: 394626.9/39


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1571.058+/-859.757 χ²/NDF: 22.6/15
Left Out: 573.030+/-898.624 χ²/NDF:6.7/2
Right Out: 1241.023+/-819.778 χ²/NDF: 13.1/17
Left In: 744.646+/-841.595 χ²/NDF:2.4/2
Left: 664.456+/-614.270 χ²/NDF: 9.1/5
Right: -98.119+/-593.301 χ²/NDF: 41.3/33
In: -388.489+/-601.416 χ²/NDF:28.7/18
Out: 937.612+/-605.631 χ²/NDF:20.0/20
All: 269.931+/-426.748 χ²/NDF: 51.1/39


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 2202.391+/-0.608 χ²/NDF: 1222905.3/15
Left Out: 1283.007+/-0.635 χ²/NDF:3441.7/2
Right Out: 2094.457+/-0.580 χ²/NDF: 1373629.6/17
Left In: 1355.194+/-0.595 χ²/NDF:39895.2/2
Left: 1321.464+/-0.434 χ²/NDF: 50212.3/5
Right: 2145.856+/-0.420 χ²/NDF: 2613045.0/33
In: 1769.750+/-0.425 χ²/NDF:2254525.0/18
Out: 1725.886+/-0.428 χ²/NDF:2267133.6/20
All: 1747.971+/-0.302 χ²/NDF: 4526940.8/39



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1732.430+/-1829.324 χ^2/NDF:3.7/2

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1079.825+/-1654.829 χ^2/NDF:5.2/2

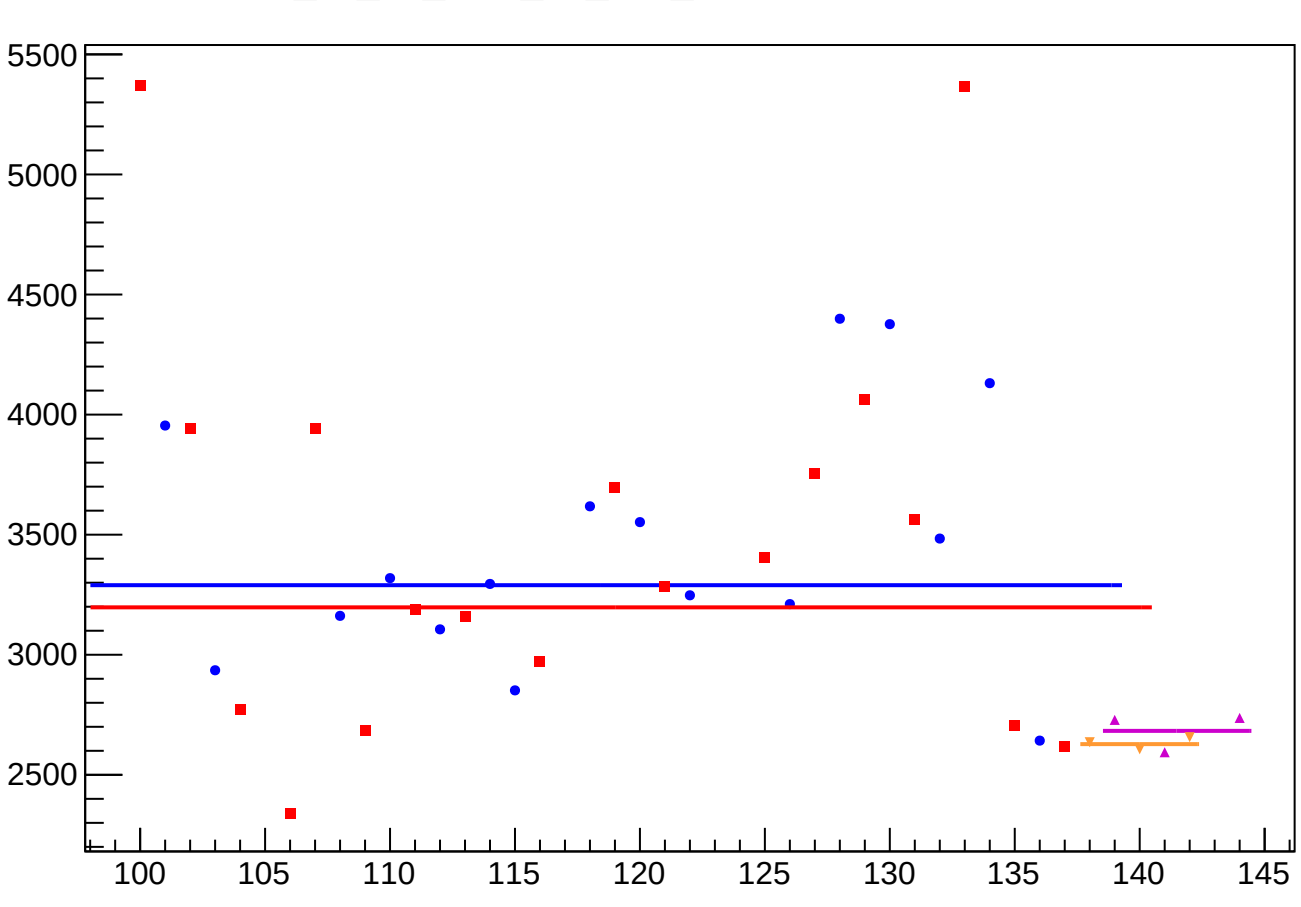
Left: 185.810+/-1227.206 χ^2/NDF: 10.2/5

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -889.039+/-993.199 χ^2/NDF:27.1/18

Out: -557.784+/-1014.387 χ^2/NDF:12.7/20

All: -726.907+/-709.670 χ^2/NDF: 39.9/39



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2627.862+/-1.294 χ^2/NDF:231.2/2

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2683.015+/-1.170 χ^2/NDF:3257.7/2

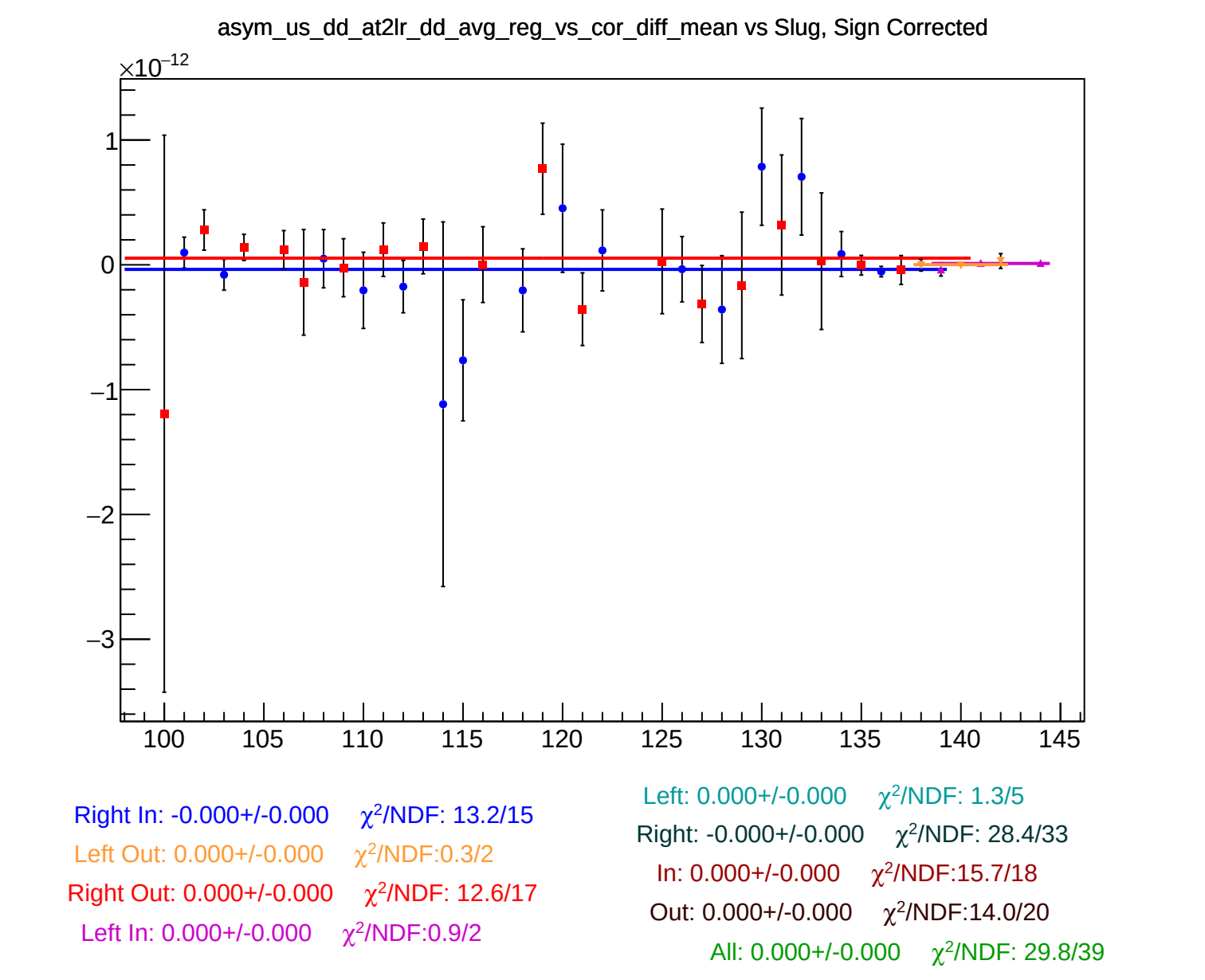
Left: 2658.194+/-0.868 χ^2/NDF: 4488.7/5

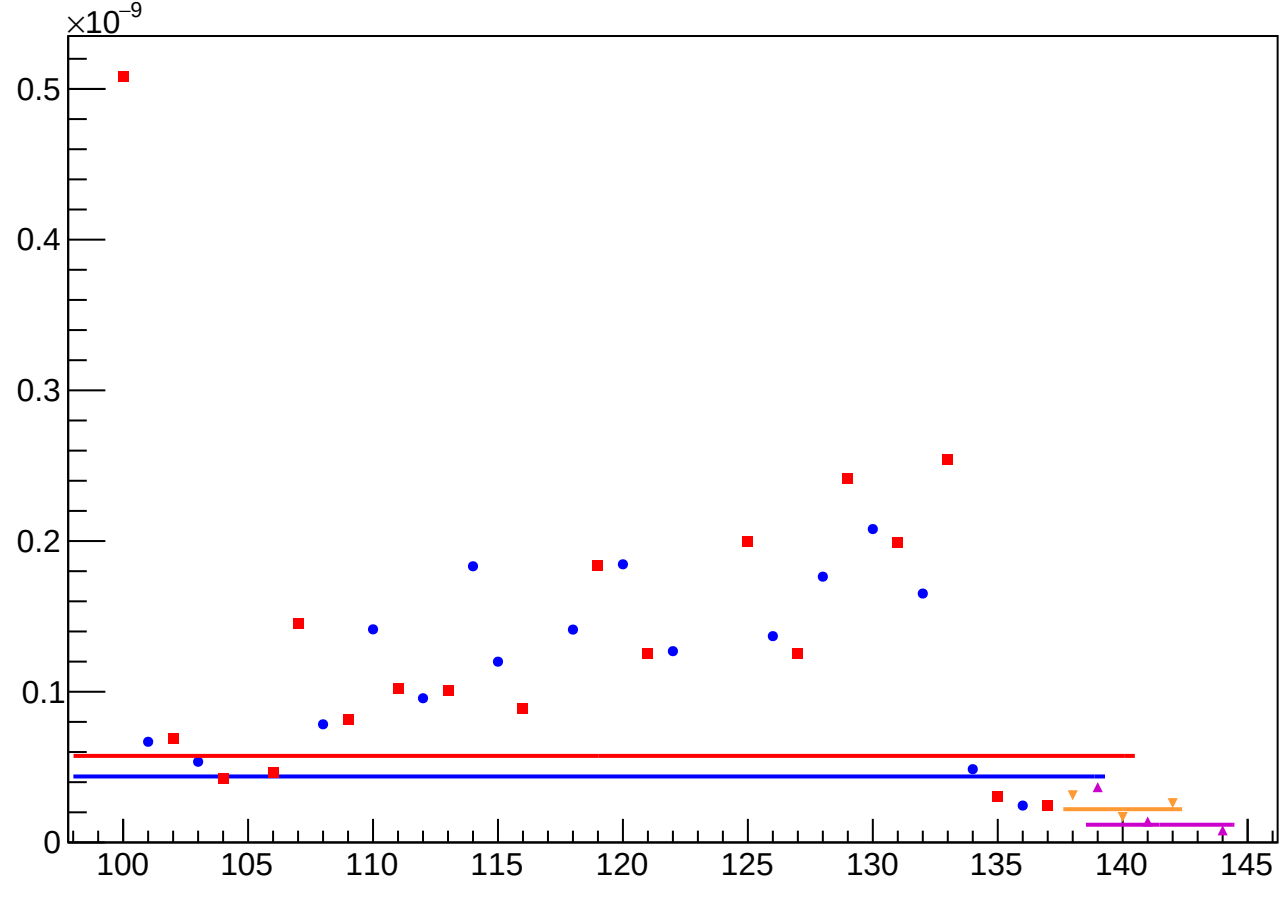
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3071.154+/-0.702 χ^2/NDF:522827.4/18

Out: 3022.261+/-0.717 χ^2/NDF:634407.4/20

All: 3047.223+/-0.502 χ^2/NDF: 1159607.1/39


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.9/2
Left: 0.000+/-0.000 χ²/NDF: 1.3/5
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: 0.000+/-0.000 χ²/NDF:15.7/18
Out: 0.000+/-0.000 χ²/NDF:14.0/20
All: 0.000+/-0.000 χ²/NDF: 29.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:141859.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:538272.8/2

Left: 0.000+/-0.000 χ^2/NDF: 951825.4/5

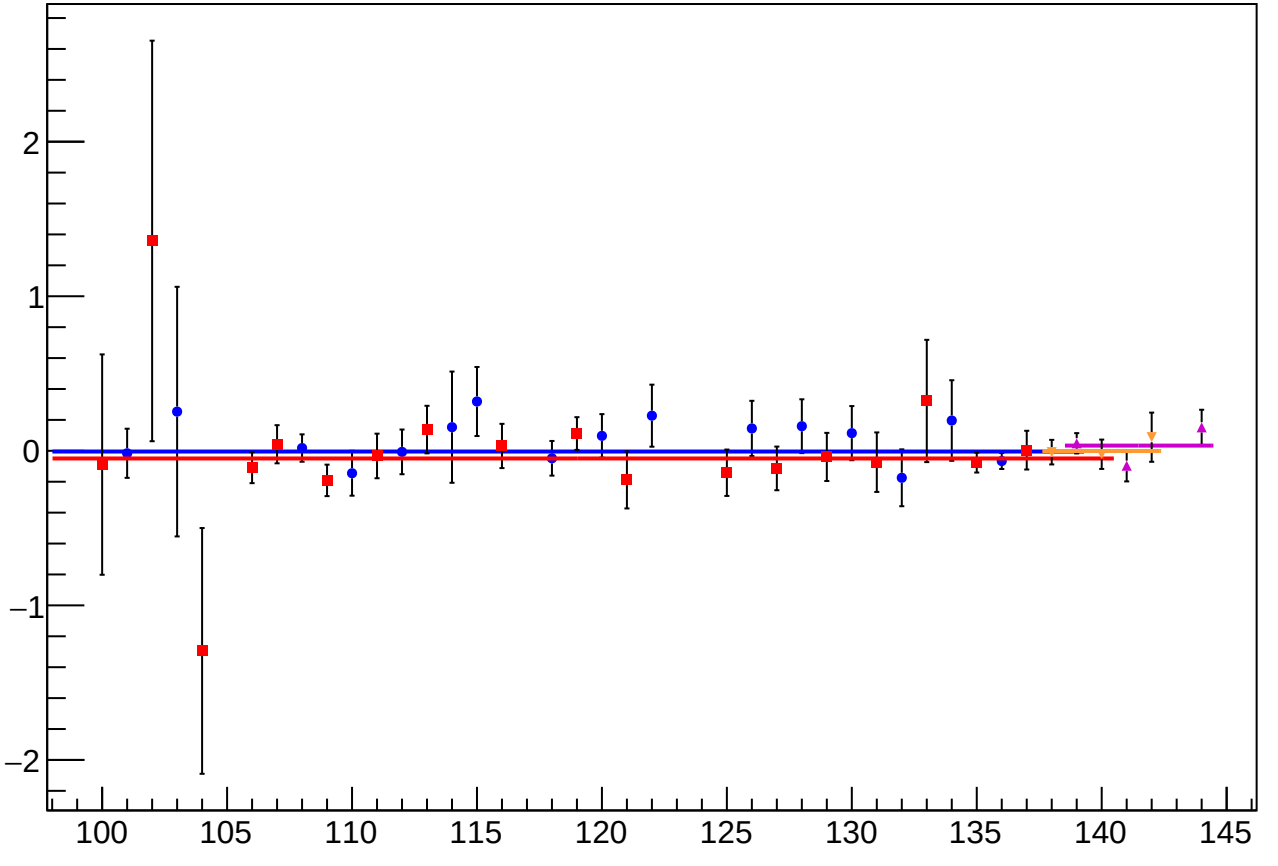
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4234017.8/18

Out: 0.000+/-0.000 χ^2/NDF:3250086.2/20

All: 0.000+/-0.000 χ^2/NDF: 8079527.3/39

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.034+/-0.050 χ^2/NDF:2.8/2

Left: 0.019+/-0.037 χ^2/NDF: 3.4/5

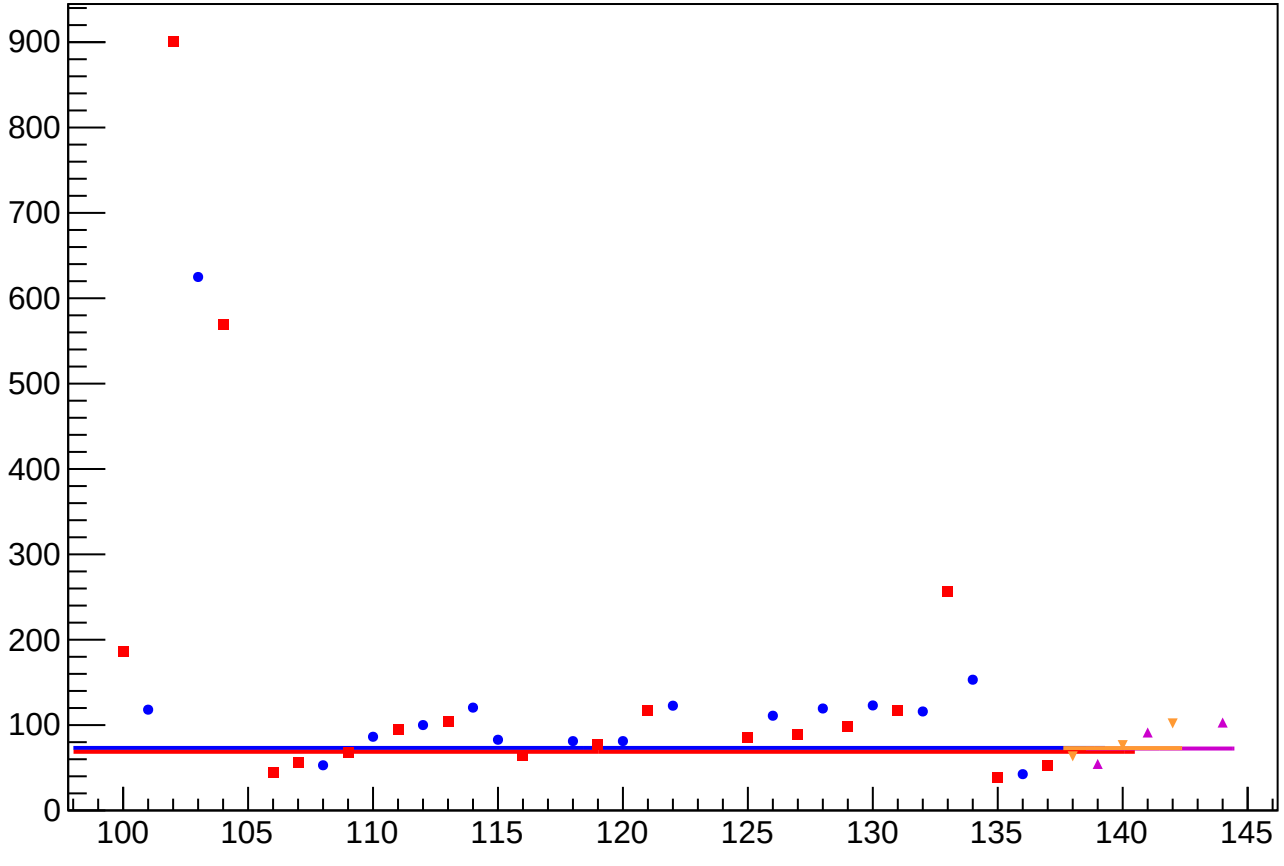
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.027 χ^2/NDF:13.5/18

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.015+/-0.019 χ^2/NDF: 28.8/39

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.032+/-0.040 χ^2/NDF:98255.4/2

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.540+/-0.035 χ^2/NDF:362462.6/2

Left: 72.752+/-0.026 χ^2/NDF: 460803.0/5

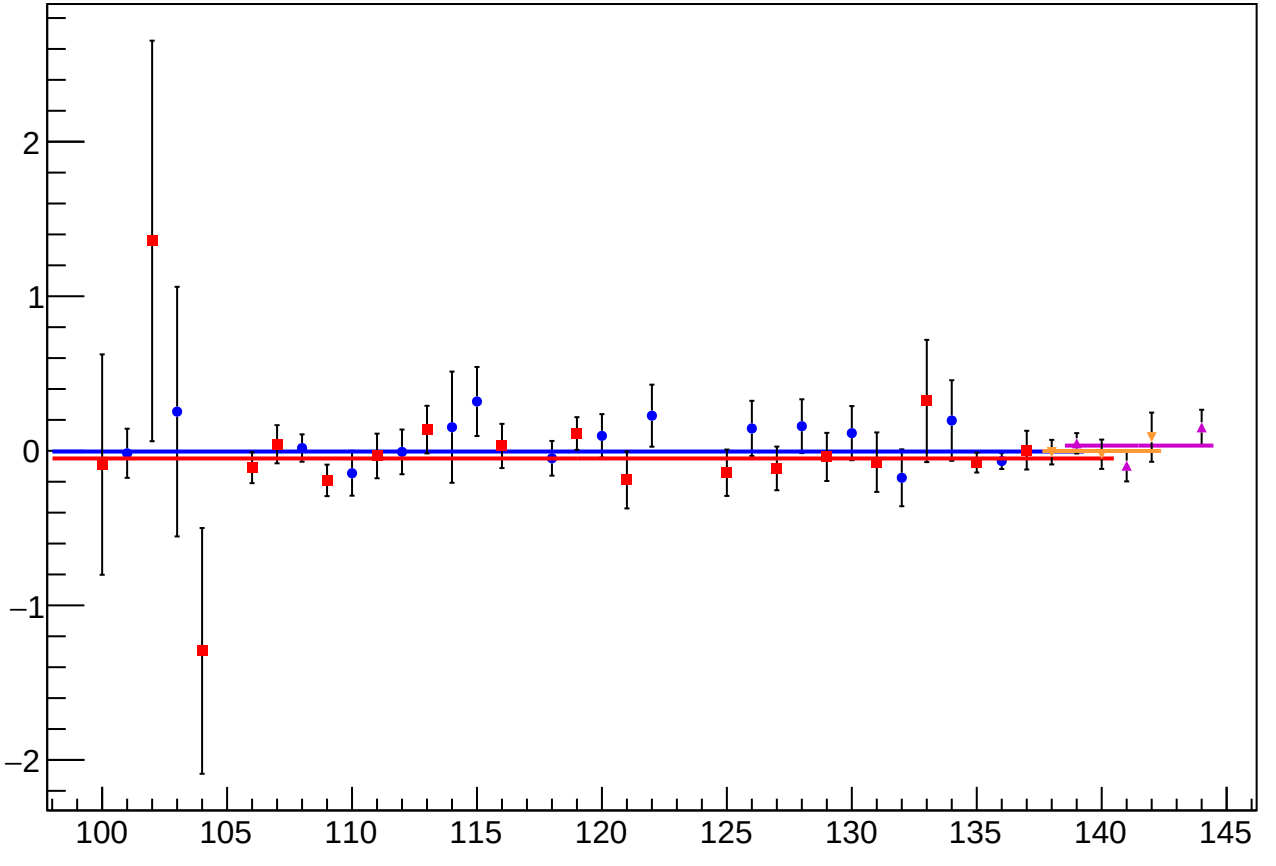
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.028+/-0.019 χ^2/NDF:3217339.5/18

Out: 69.742+/-0.020 χ^2/NDF:3438751.0/20

All: 71.424+/-0.014 χ^2/NDF: 6670528.6/39

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.034+/-0.050 χ^2/NDF:2.8/2

Left: 0.019+/-0.037 χ^2/NDF: 3.4/5

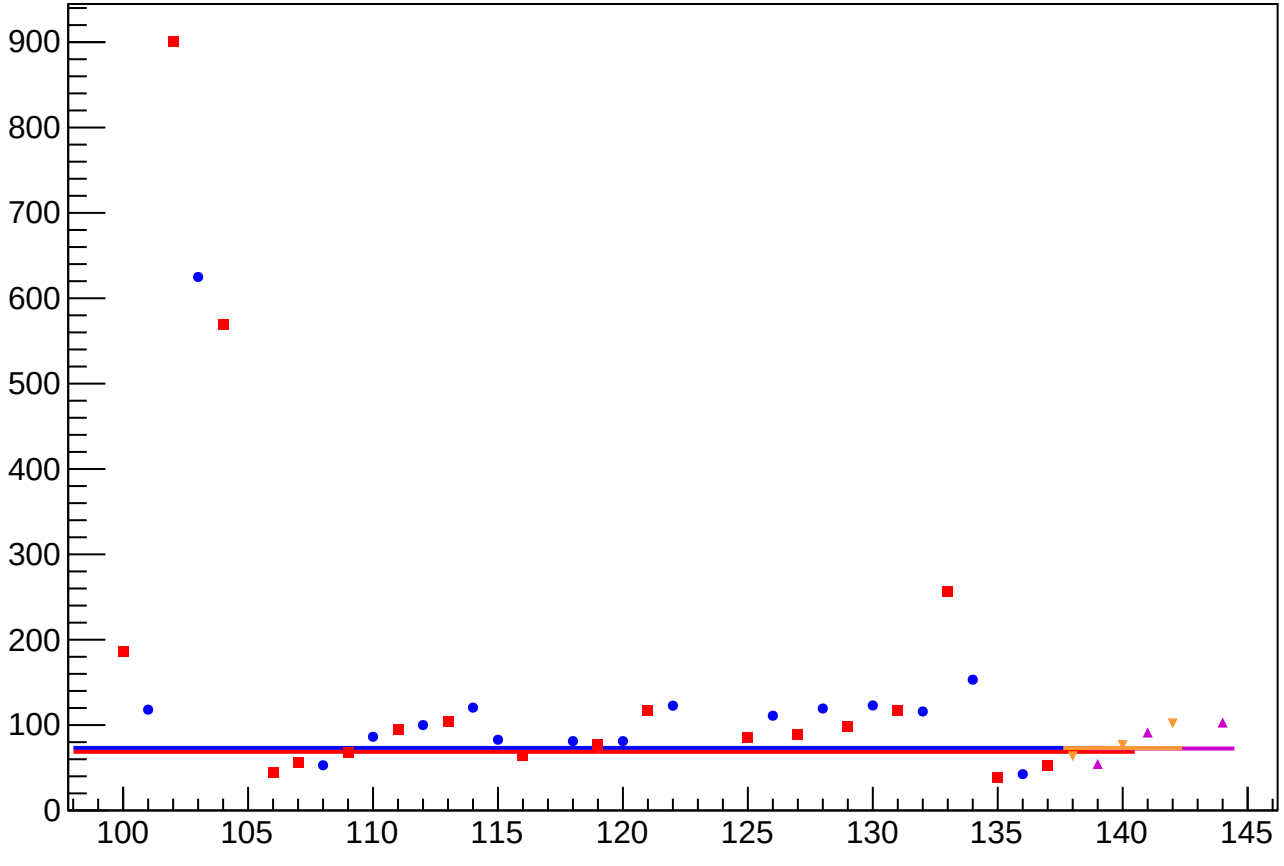
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.027 χ^2/NDF:13.5/18

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.015+/-0.019 χ^2/NDF: 28.8/39

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.032+/-0.040 χ^2/NDF:98255.4/2

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.540+/-0.035 χ^2/NDF:362462.6/2

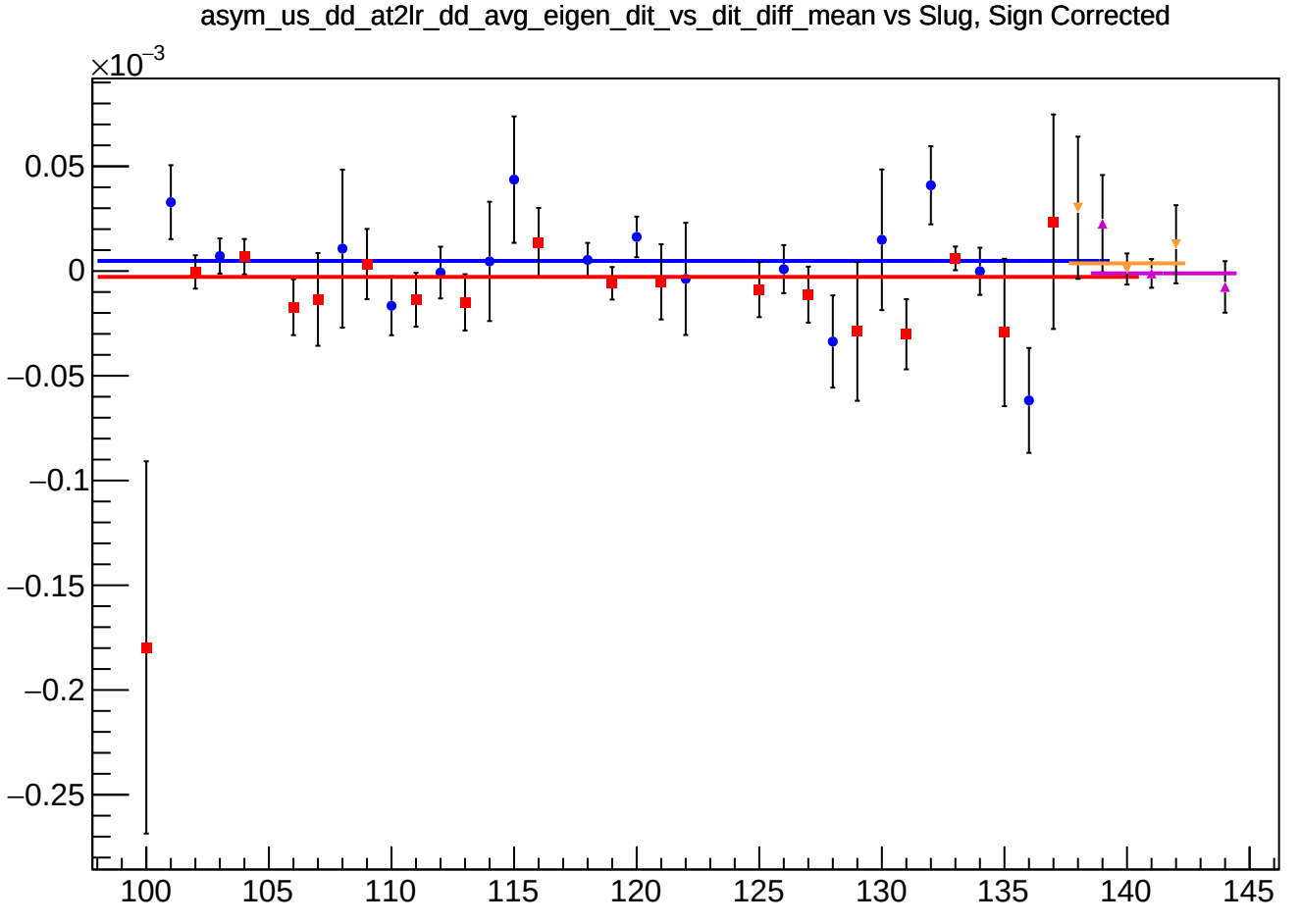
Left: 72.752+/-0.026 χ^2/NDF: 460803.0/5

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 73.028+/-0.019 χ^2/NDF:3217339.5/18

Out: 69.742+/-0.020 χ^2/NDF:3438751.0/20

All: 71.424+/-0.014 χ^2/NDF: 6670528.6/39



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/2

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

Left: 0.000+/-0.000 χ^2/NDF: 2.6/5

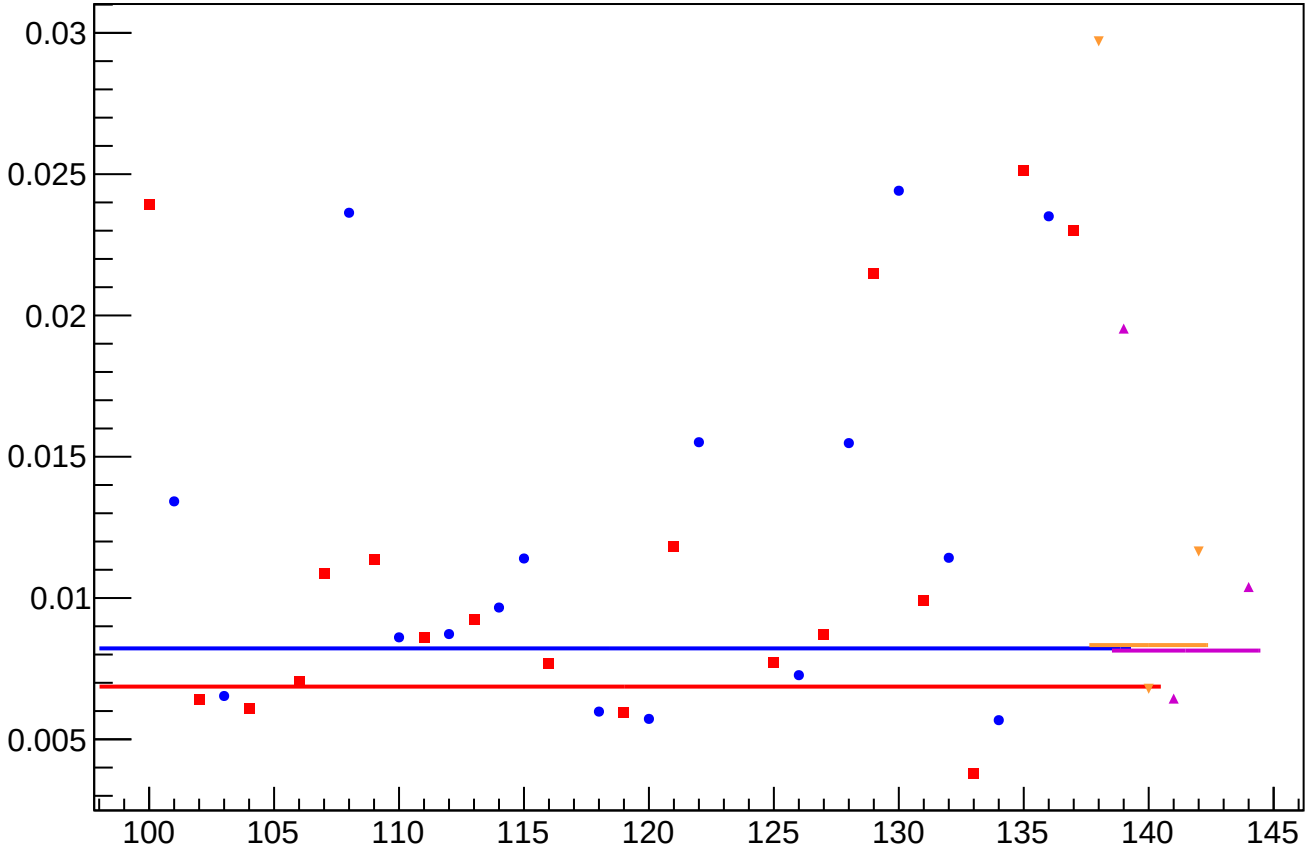
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:24.7/18

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.8/39

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:942813.1/2

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:670247.7/2

Left: 0.008+/-0.000 χ^2/NDF: 1614009.7/5

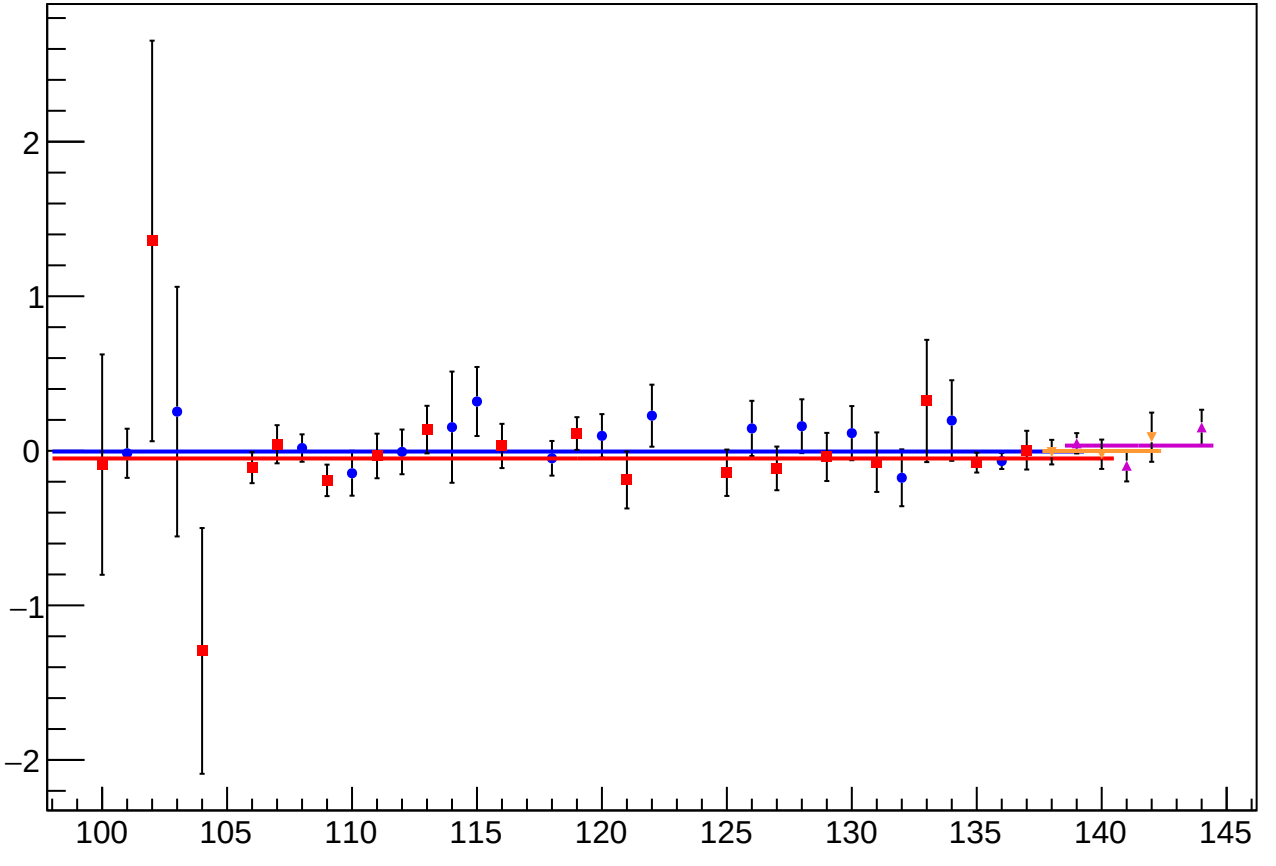
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3326678.2/18

Out: 0.007+/-0.000 χ^2/NDF:3449635.1/20

All: 0.008+/-0.000 χ^2/NDF: 6932915.4/39

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.034+/-0.050 χ^2/NDF:2.8/2

Left: 0.019+/-0.037 χ^2/NDF: 3.4/5

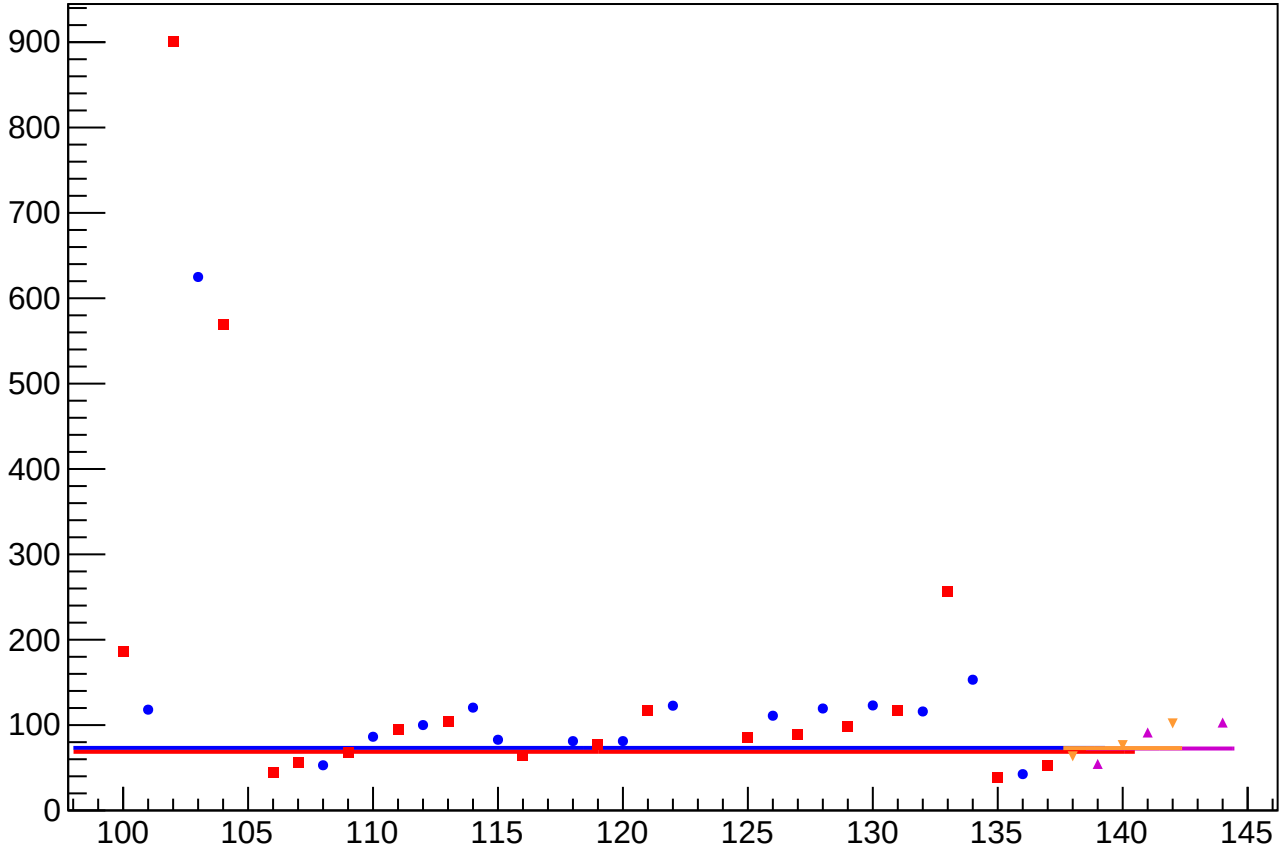
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.027 χ^2/NDF:13.5/18

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.015+/-0.019 χ^2/NDF: 28.8/39

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 73.042+/-0.040 χ^2/NDF:98224.9/2

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.551+/-0.035 χ^2/NDF:362188.8/2

Left: 72.763+/-0.026 χ^2/NDF: 460498.2/5

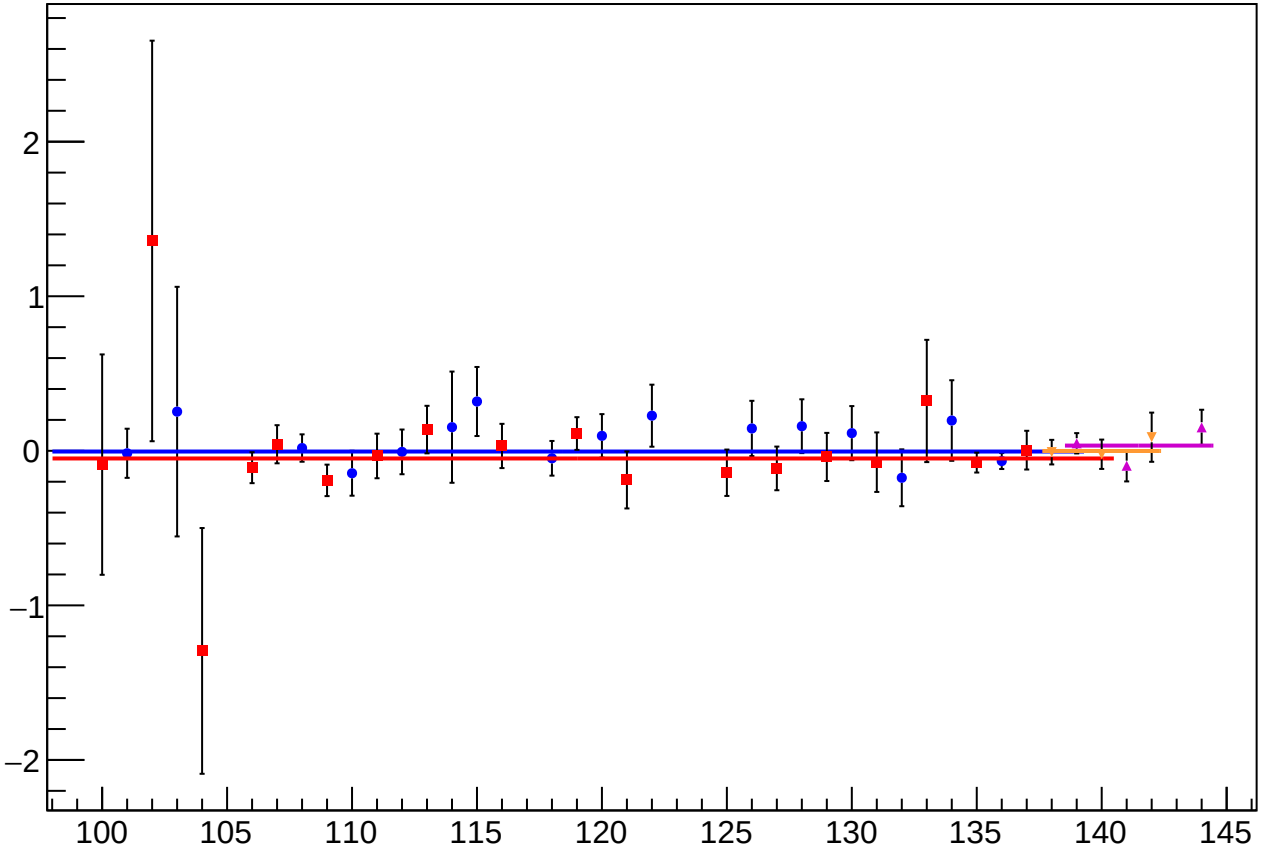
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.049+/-0.019 χ^2/NDF:3214782.0/18

Out: 69.736+/-0.020 χ^2/NDF:3439805.9/20

All: 71.431+/-0.014 χ^2/NDF: 6669267.3/39

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.034+/-0.050 χ^2/NDF:2.8/2

Left: 0.019+/-0.037 χ^2/NDF: 3.4/5

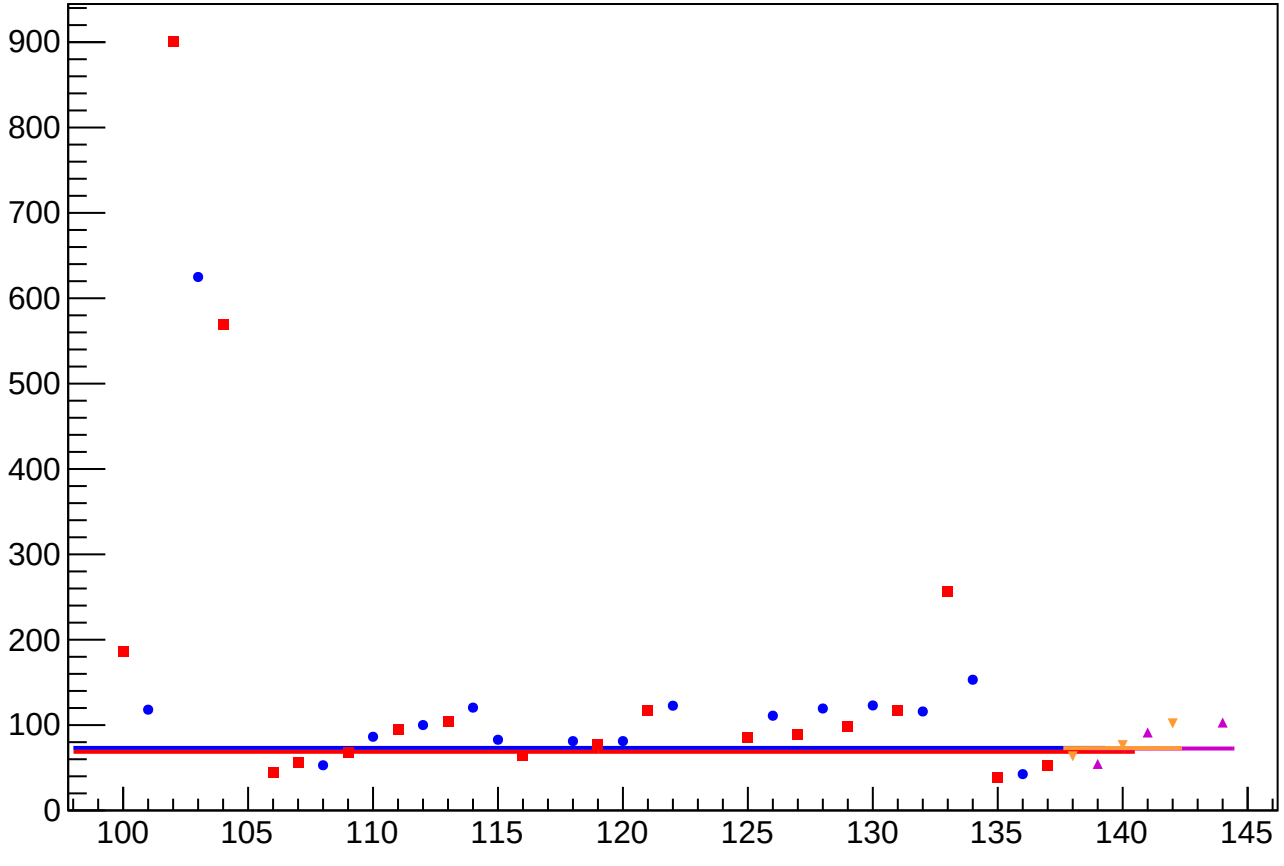
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.027 χ^2/NDF:13.5/18

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.015+/-0.019 χ^2/NDF: 28.8/39

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: 73.042+/-0.040 χ^2/NDF:98224.9/2

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.551+/-0.035 χ^2/NDF:362188.8/2

Left: 72.763+/-0.026 χ^2/NDF: 460498.2/5

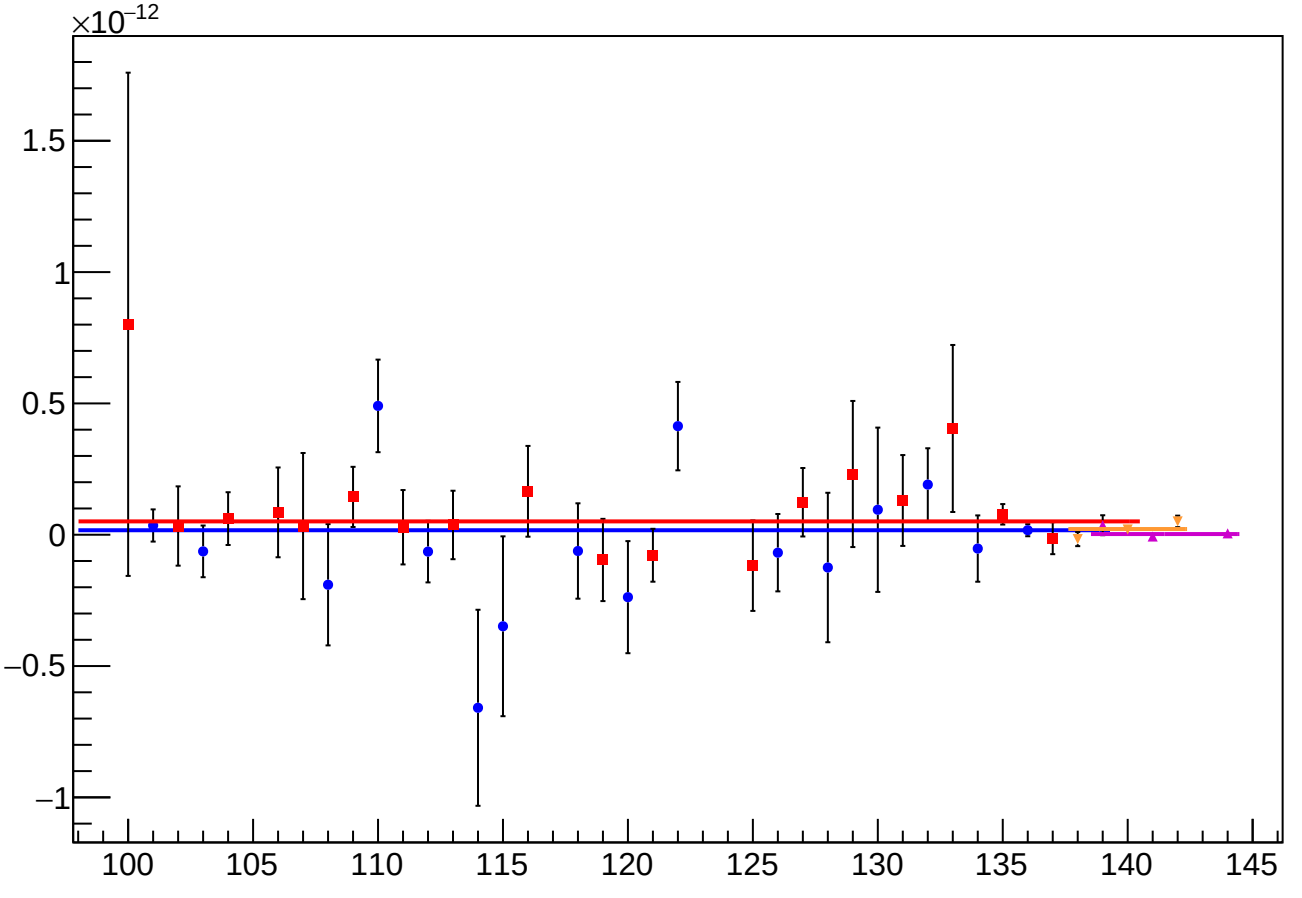
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 73.049+/-0.019 χ^2/NDF:3214782.0/18

Out: 69.736+/-0.020 χ^2/NDF:3439805.9/20

All: 71.431+/-0.014 χ^2/NDF: 6669267.3/39

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:3.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

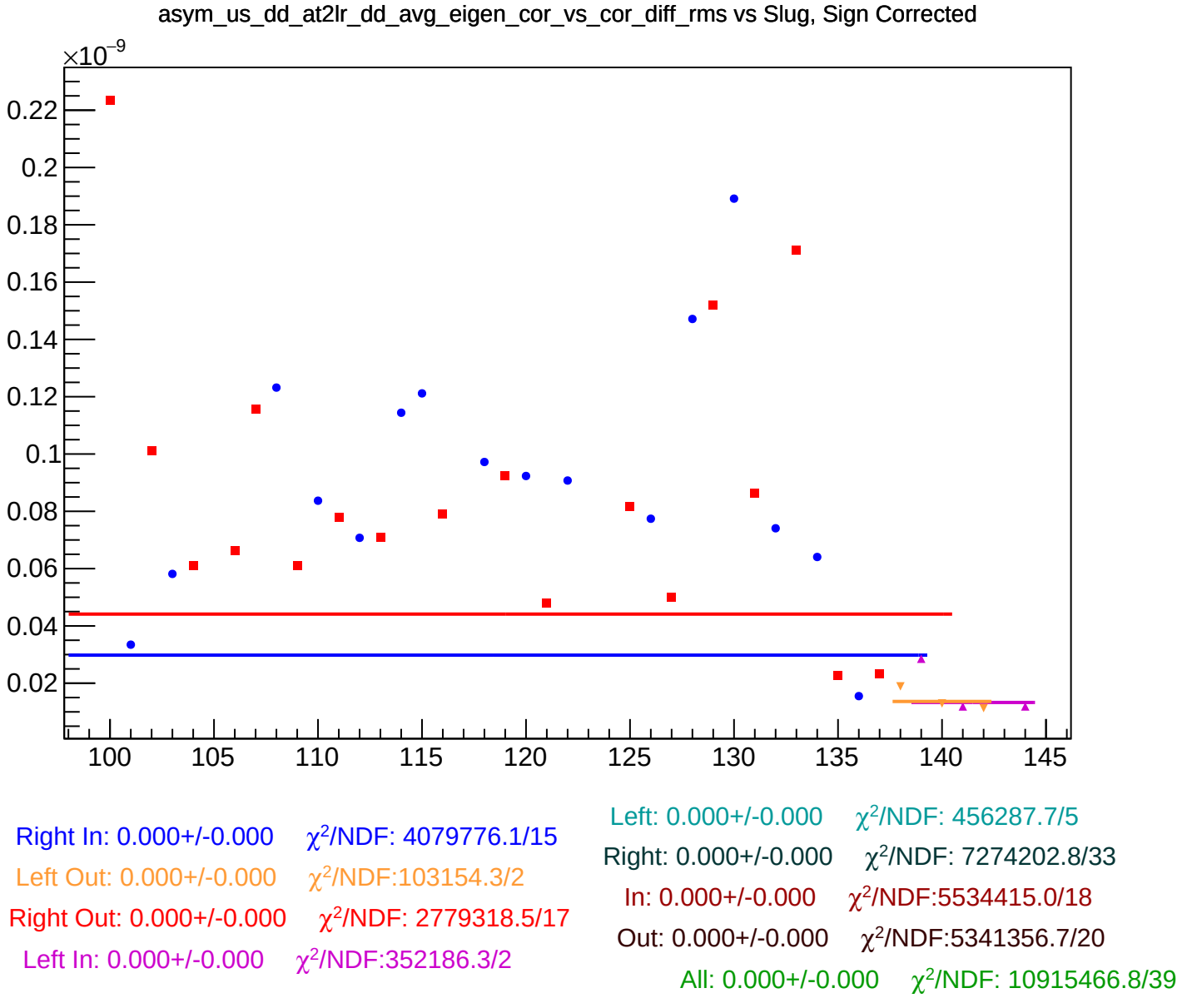
Left: 0.000+/-0.000 χ^2/NDF: 6.3/5

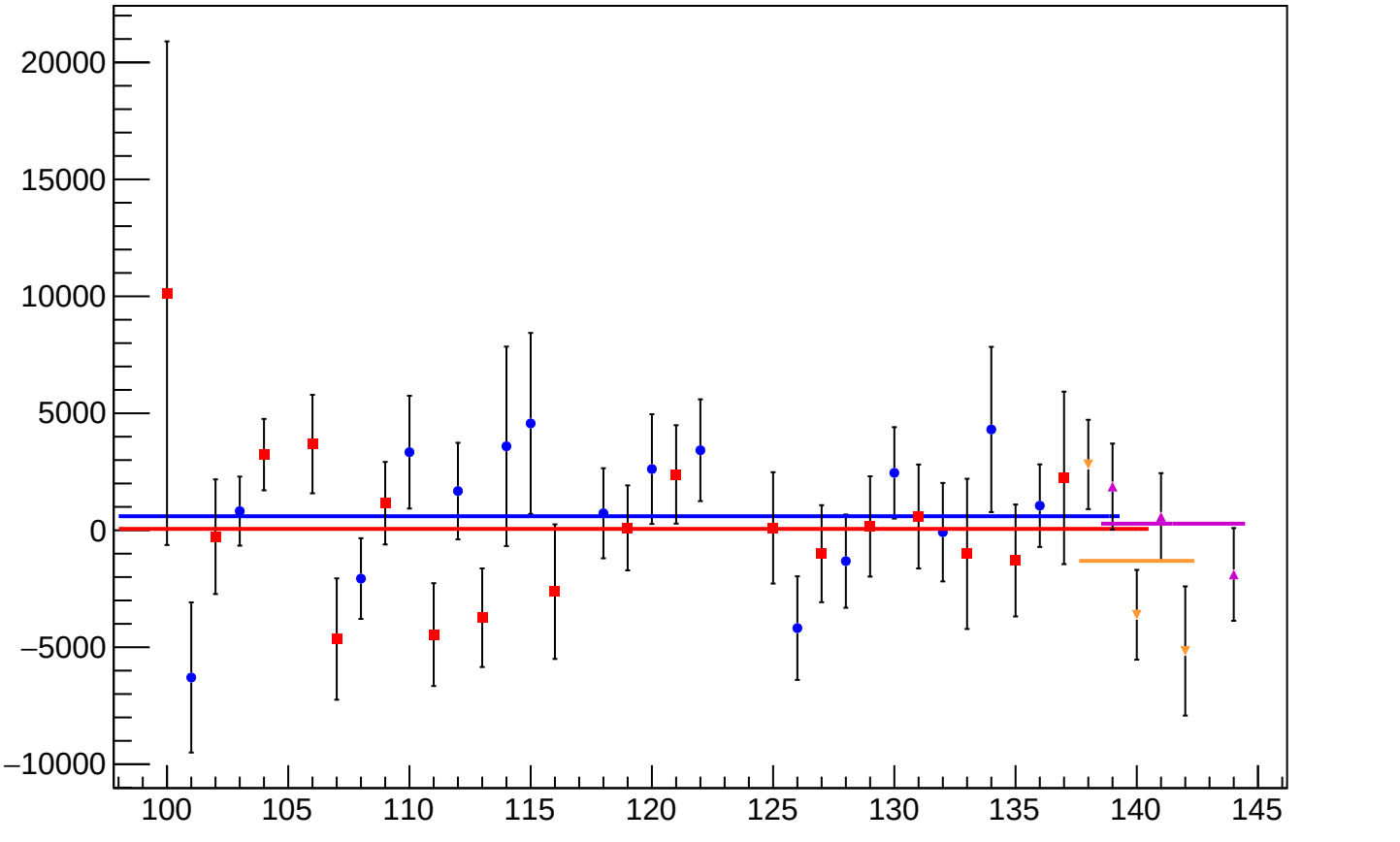
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:24.9/18

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 41.0/39


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:103154.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:352186.3/2
Left: 0.000+/-0.000 χ²/NDF: 456287.7/5
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5534415.0/18
Out: 0.000+/-0.000 χ²/NDF:5341356.7/20
All: 0.000+/-0.000 χ²/NDF: 10915466.8/39



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.671+/-1215.536 χ^2/NDF:8.0/2

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 281.970+/-1093.716 χ^2/NDF:2.0/2

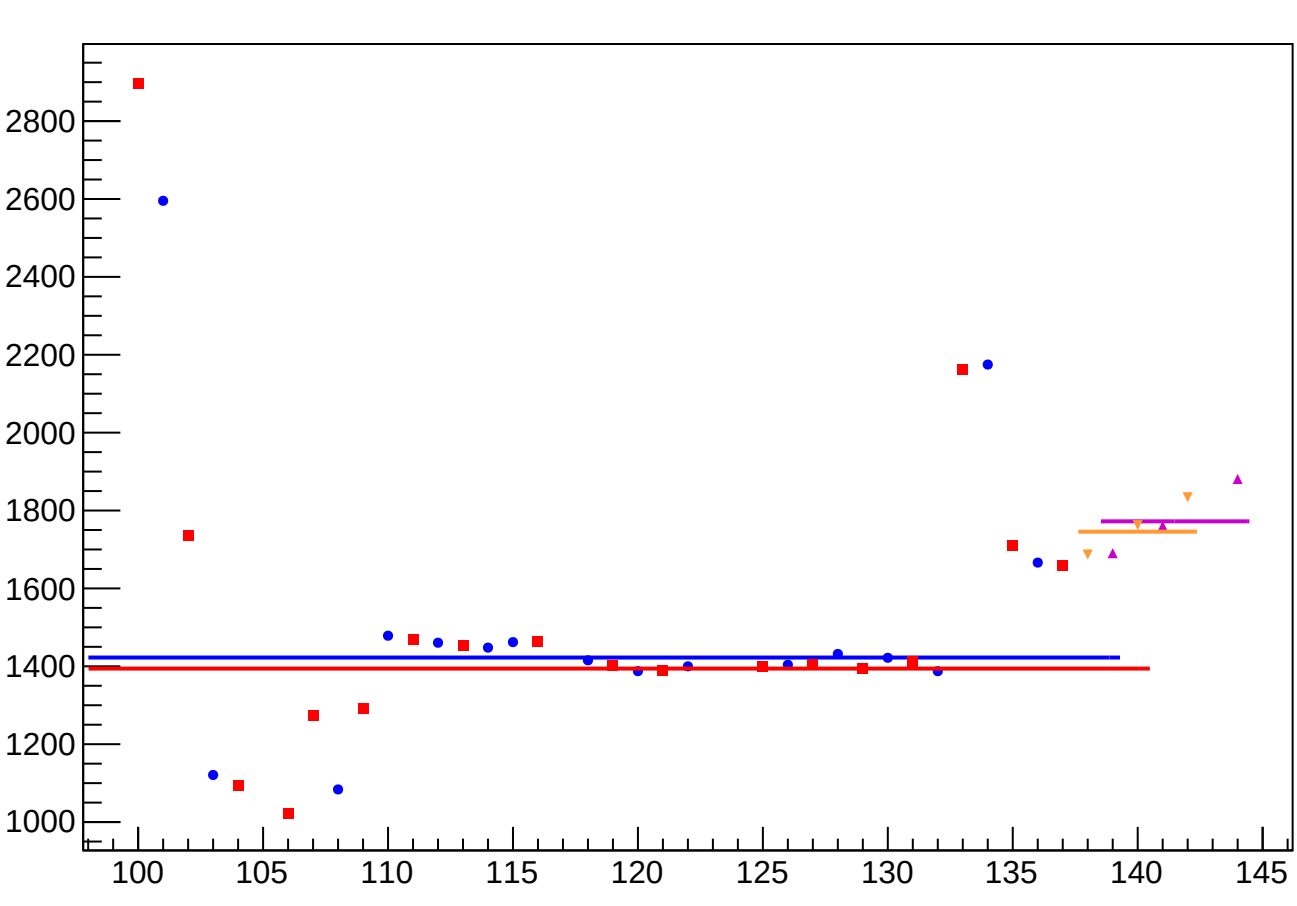
Left: -429.672+/-813.041 χ^2/NDF: 11.0/5

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 537.776+/-484.237 χ^2/NDF:22.4/18

Out: -159.545+/-485.985 χ^2/NDF:31.7/20

All: 190.372+/-343.024 χ^2/NDF: 55.0/39



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

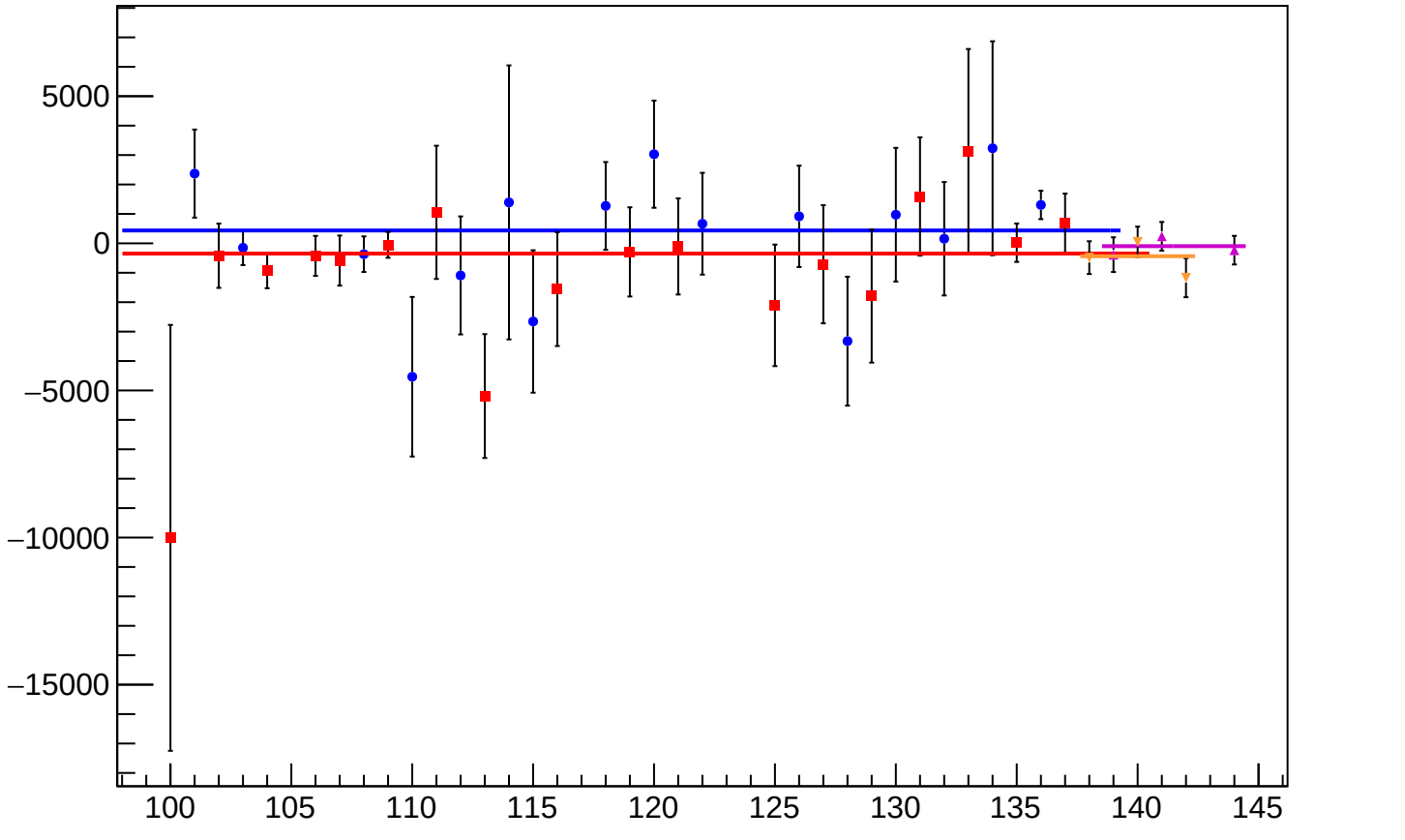
Left: 1760.386+/-0.575 χ^2/NDF: 14669.1/5

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1491.069+/-0.342 χ^2/NDF:734717.9/18

Out: 1450.369+/-0.344 χ^2/NDF:538324.2/20

All: 1470.792+/-0.243 χ^2/NDF: 1280081.3/39



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -438.269+/-328.957 χ^2/NDF:2.1/2

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -96.307+/-297.234 χ^2/NDF:0.8/2

Left: -250.008+/-220.541 χ^2/NDF: 3.5/5

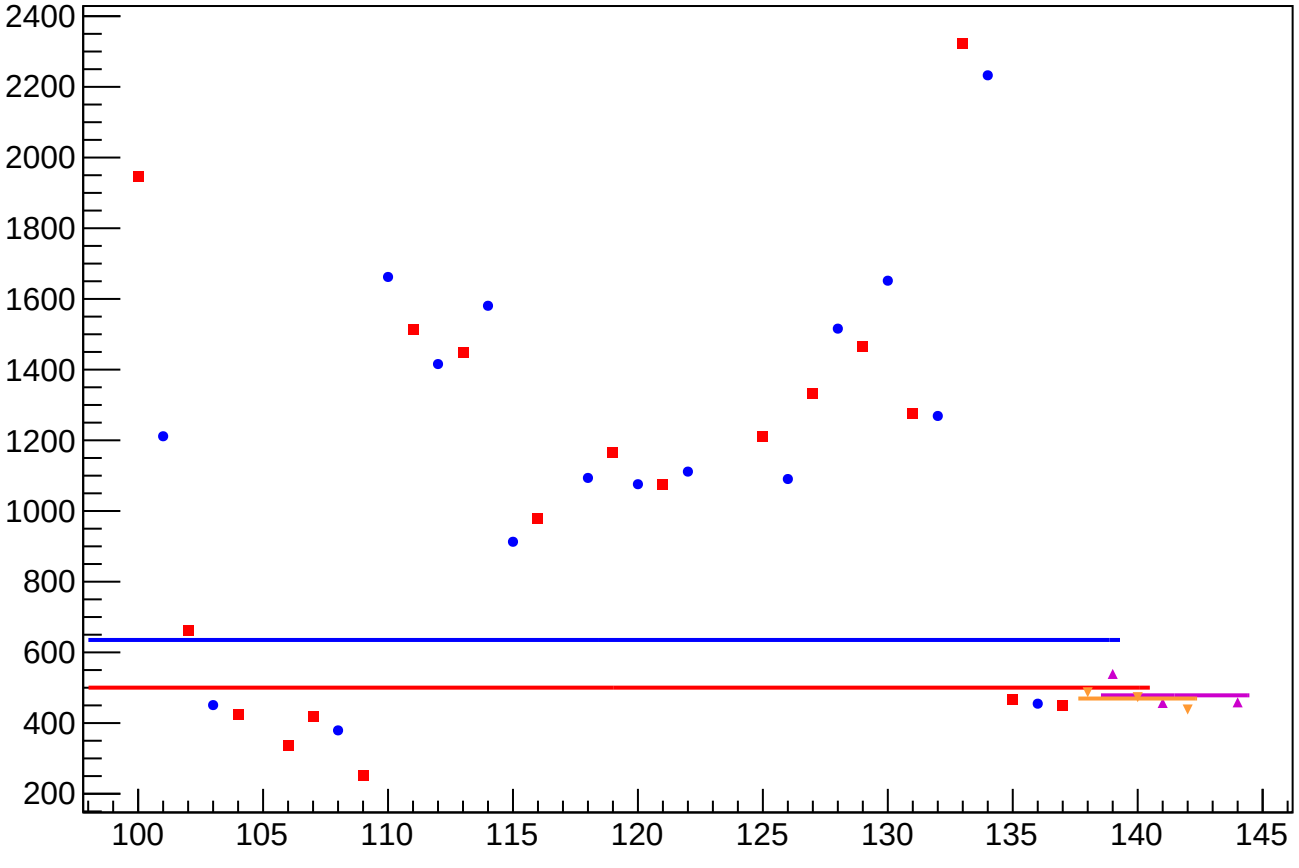
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 189.891+/-202.219 χ^2/NDF:21.9/18

Out: -378.662+/-190.541 χ^2/NDF:16.1/20

All: -111.276+/-138.678 χ^2/NDF: 42.1/39

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: 469.450+/-0.233 χ^2/NDF:6517.1/2

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 478.476+/-0.210 χ^2/NDF:28356.6/2

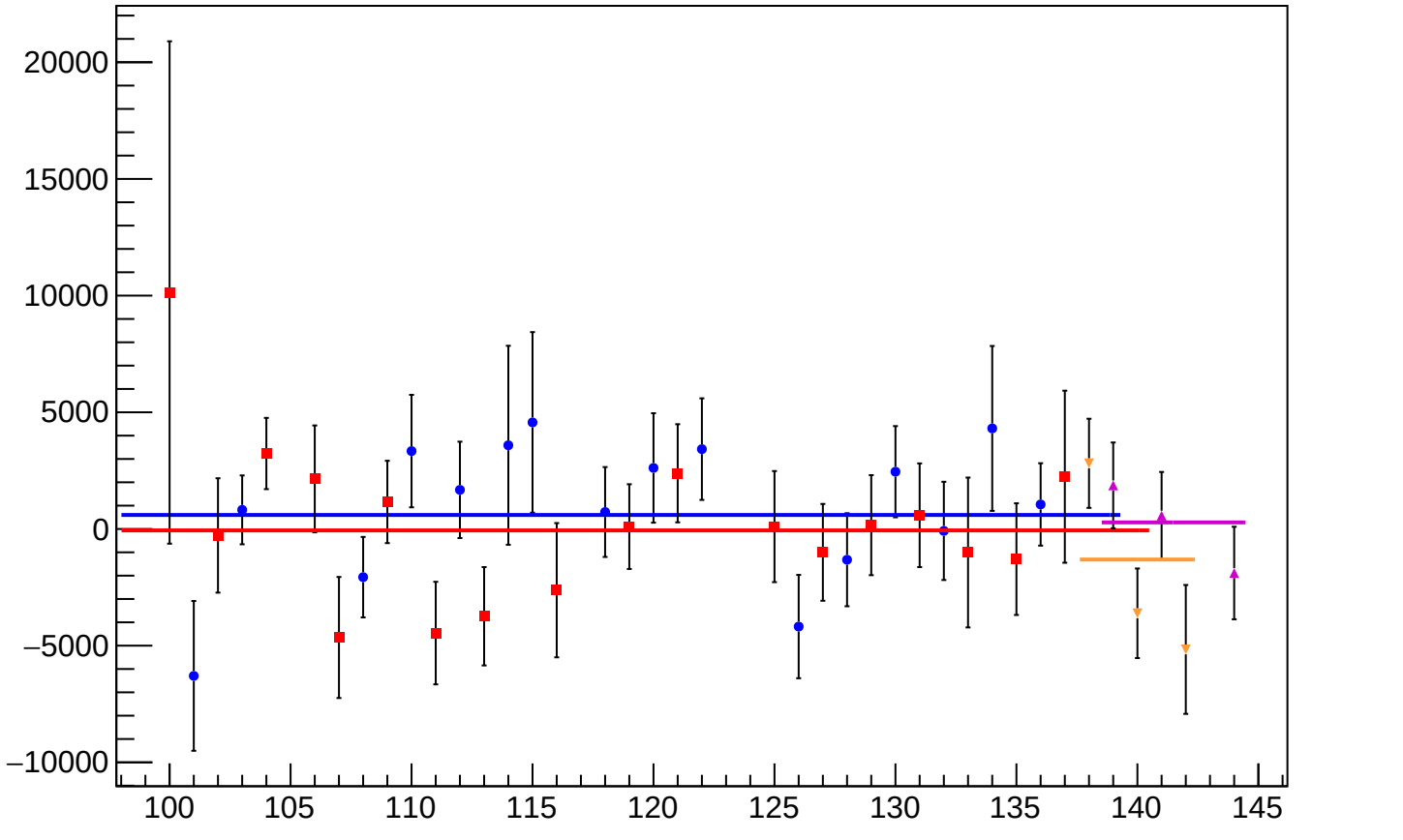
Left: 474.419+/-0.156 χ^2/NDF: 35702.6/5

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 562.624+/-0.143 χ^2/NDF:4079363.2/18

Out: 489.904+/-0.135 χ^2/NDF:4327246.4/20

All: 524.104+/-0.098 χ^2/NDF: 8543611.6/39


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
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0
−5000
−10000
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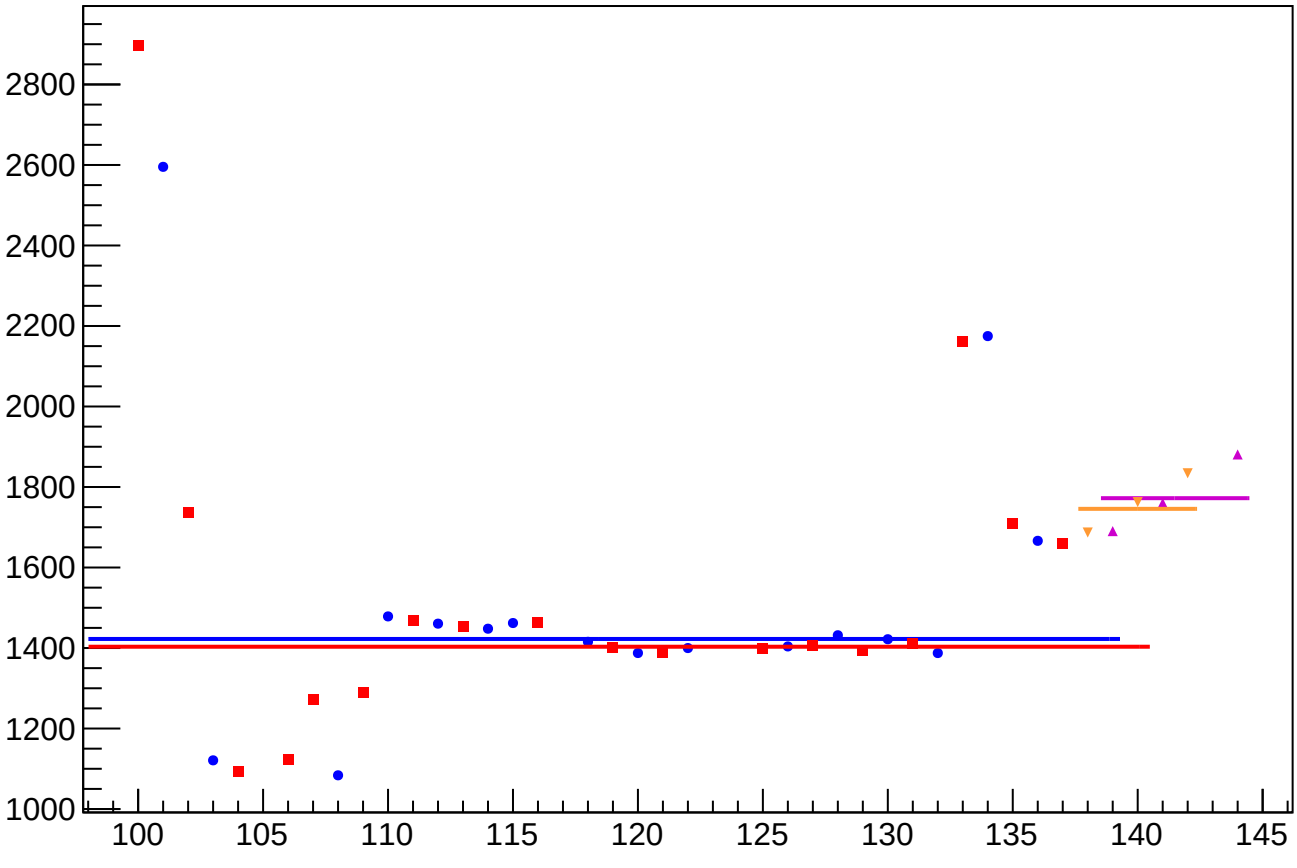
135
140
145
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -1308.953+/-1215.536 χ²/NDF:8.0/2
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 282.003+/-1093.716 χ²/NDF:2.0/2
Left: -429.780+/-813.041 χ²/NDF: 11.0/5
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 537.681+/-484.237 χ²/NDF:22.4/18
Out: -261.606+/-488.001 χ²/NDF:29.3/20
All: 141.131+/-343.730 χ²/NDF: 53.0/39



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

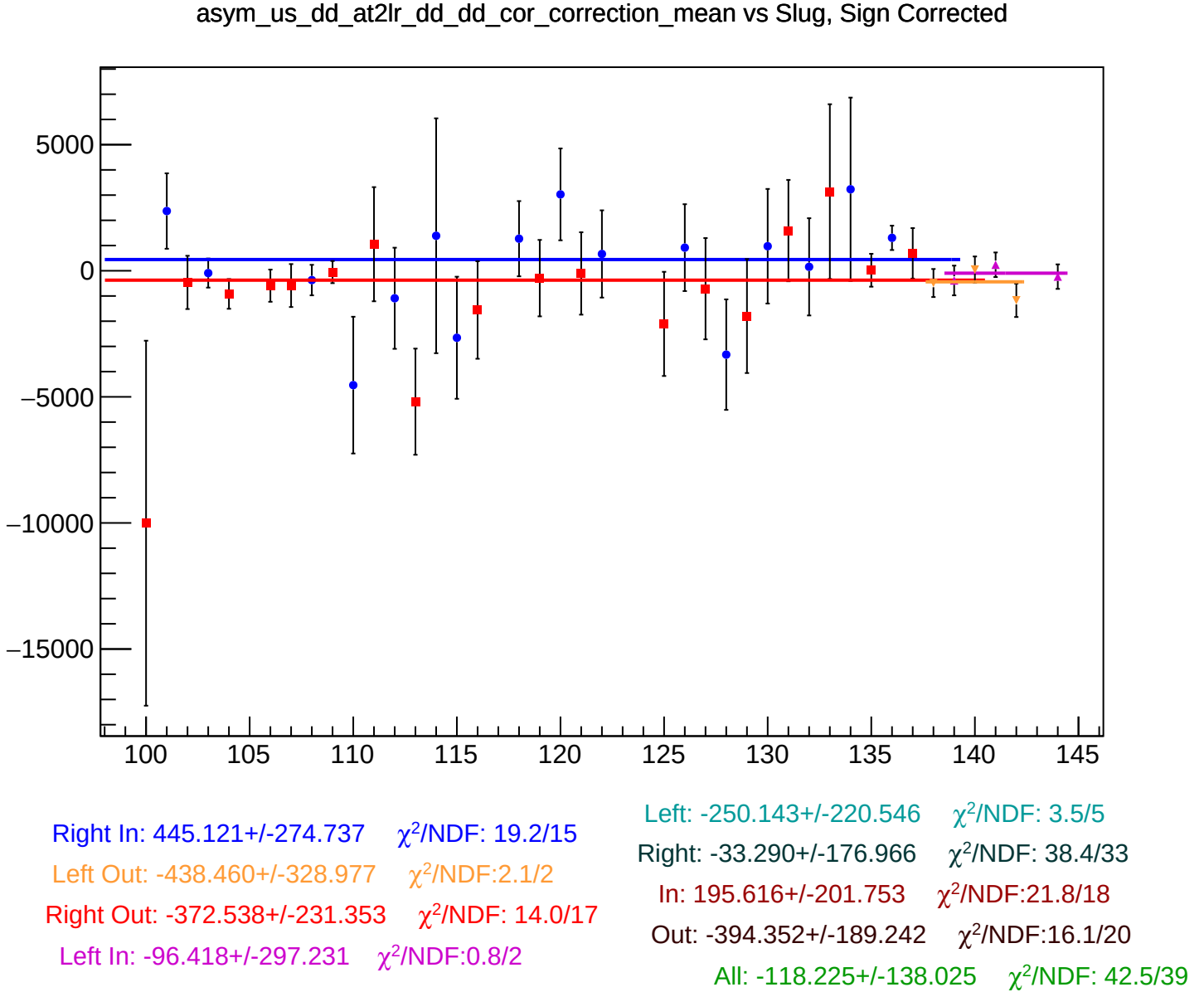
Left: 1760.386+/-0.575 χ^2/NDF: 14669.1/5

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

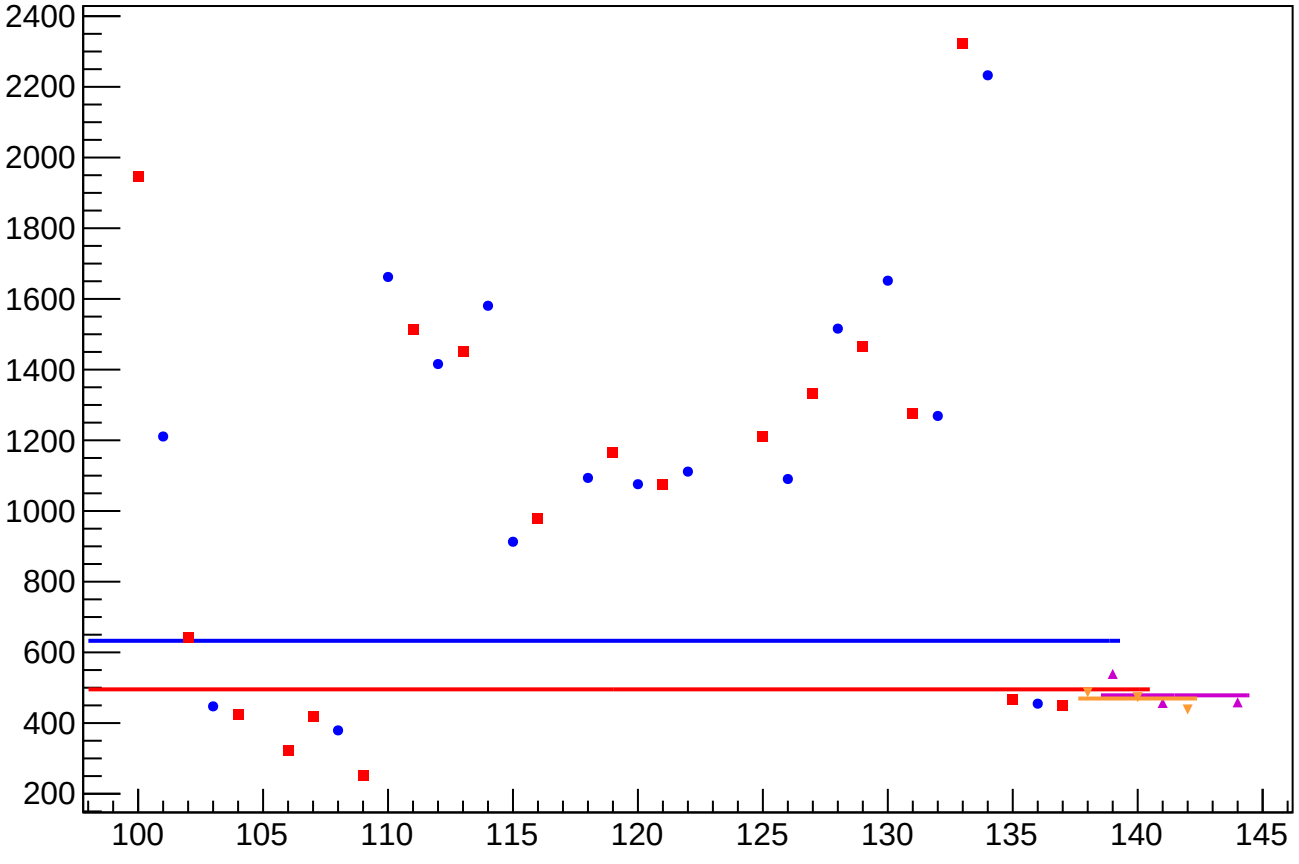
In: 1491.069+/-0.342 χ^2/NDF:734718.2/18

Out: 1458.426+/-0.345 χ^2/NDF:496418.0/20

All: 1474.874+/-0.243 χ^2/NDF: 1235645.3/39


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: -438.460+/-328.977 χ²/NDF:2.1/2
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -96.418+/-297.231 χ²/NDF:0.8/2
Left: -250.143+/-220.546 χ²/NDF: 3.5/5
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 195.616+/-201.753 χ²/NDF:21.8/18
Out: -394.352+/-189.242 χ²/NDF:16.1/20
All: -118.225+/-138.025 χ²/NDF: 42.5/39

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: 469.481+/-0.233 χ^2/NDF:6503.0/2

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 478.471+/-0.210 χ^2/NDF:28356.6/2

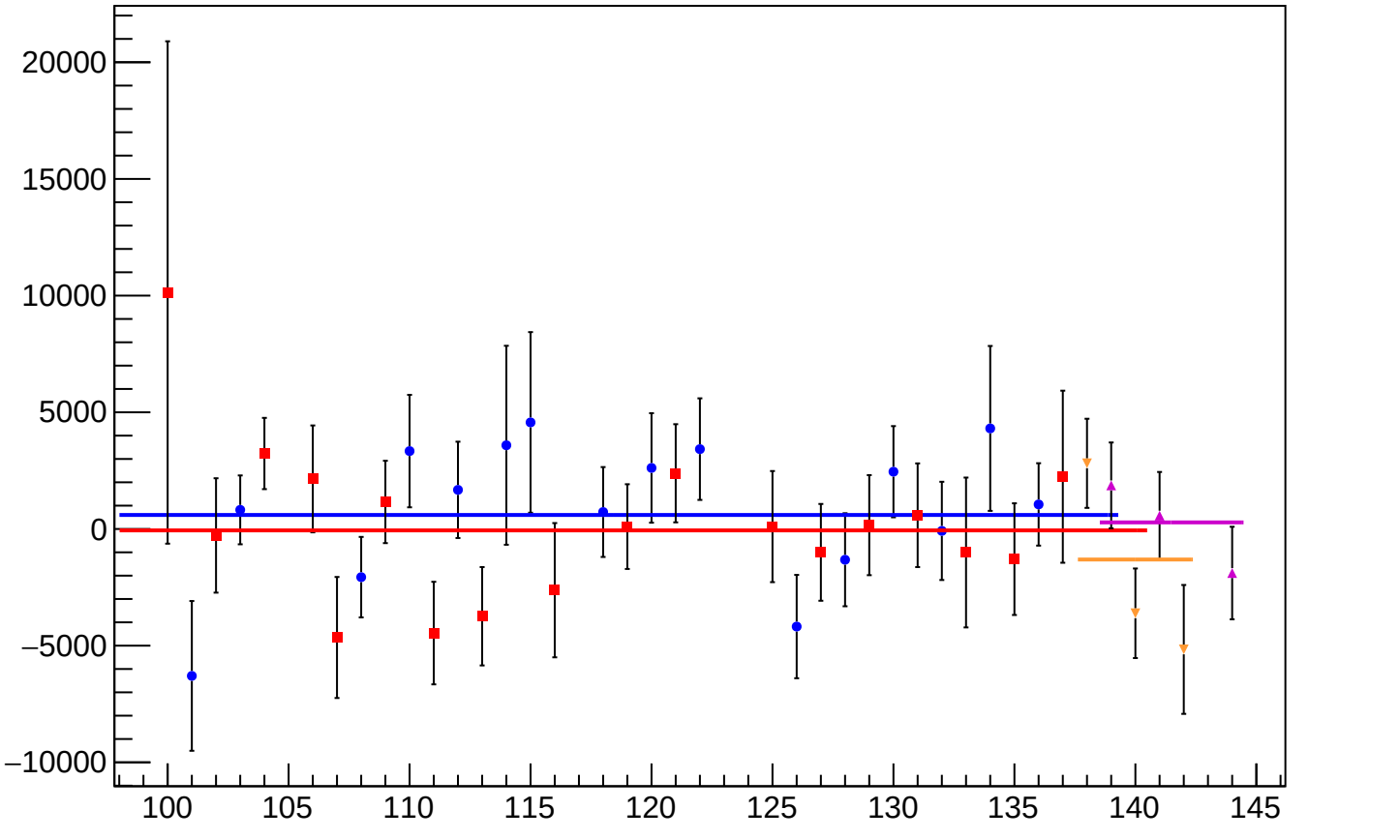
Left: 474.430+/-0.156 χ^2/NDF: 35681.8/5

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 561.670+/-0.143 χ^2/NDF:4086675.2/18

Out: 486.810+/-0.134 χ^2/NDF:4352281.7/20

All: 521.847+/-0.098 χ^2/NDF: 8585435.6/39



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.953+/-1215.536 χ^2/NDF:8.0/2

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 282.003+/-1093.716 χ^2/NDF:2.0/2

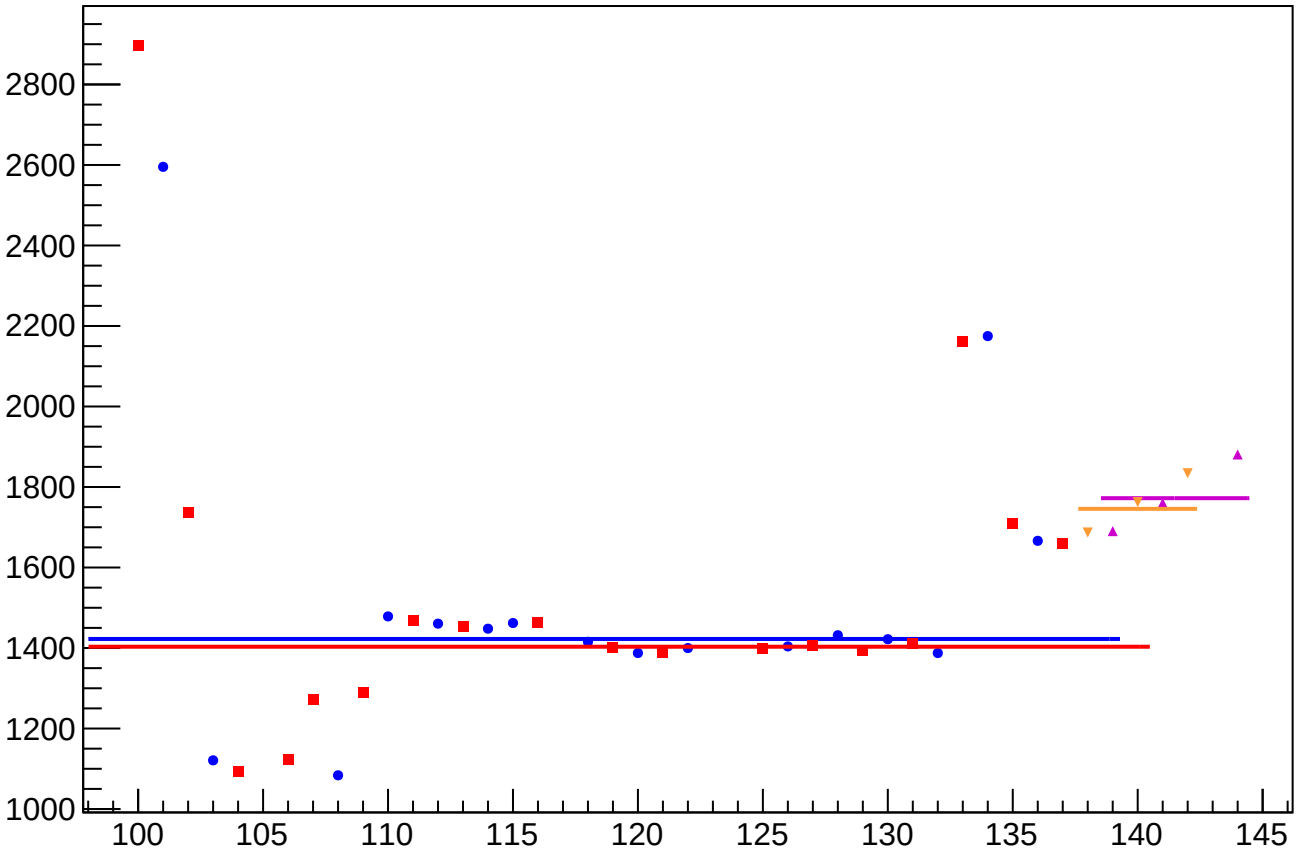
Left: -429.780+/-813.041 χ^2/NDF: 11.0/5

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 537.681+/-484.237 χ^2/NDF:22.4/18

Out: -261.606+/-488.001 χ^2/NDF:29.3/20

All: 141.131+/-343.730 χ^2/NDF: 53.0/39



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1772.243+/-0.773 χ^2/NDF:10049.5/2

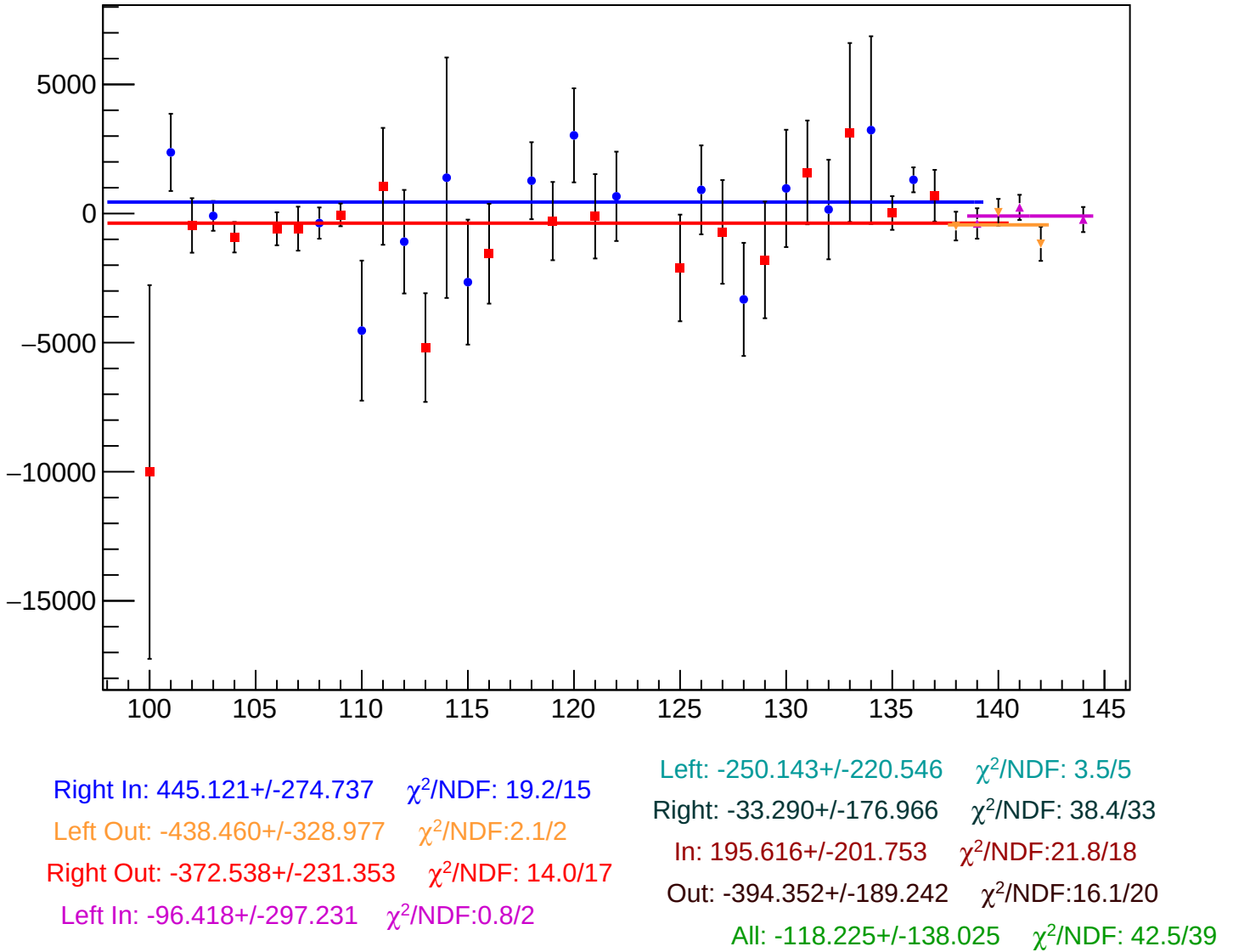
Left: 1760.386+/-0.575 χ^2/NDF: 14669.1/5

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1491.069+/-0.342 χ^2/NDF:734718.2/18

Out: 1458.426+/-0.345 χ^2/NDF:496418.0/20

All: 1474.874+/-0.243 χ^2/NDF: 1235645.3/39


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
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−5000
−10000
−15000
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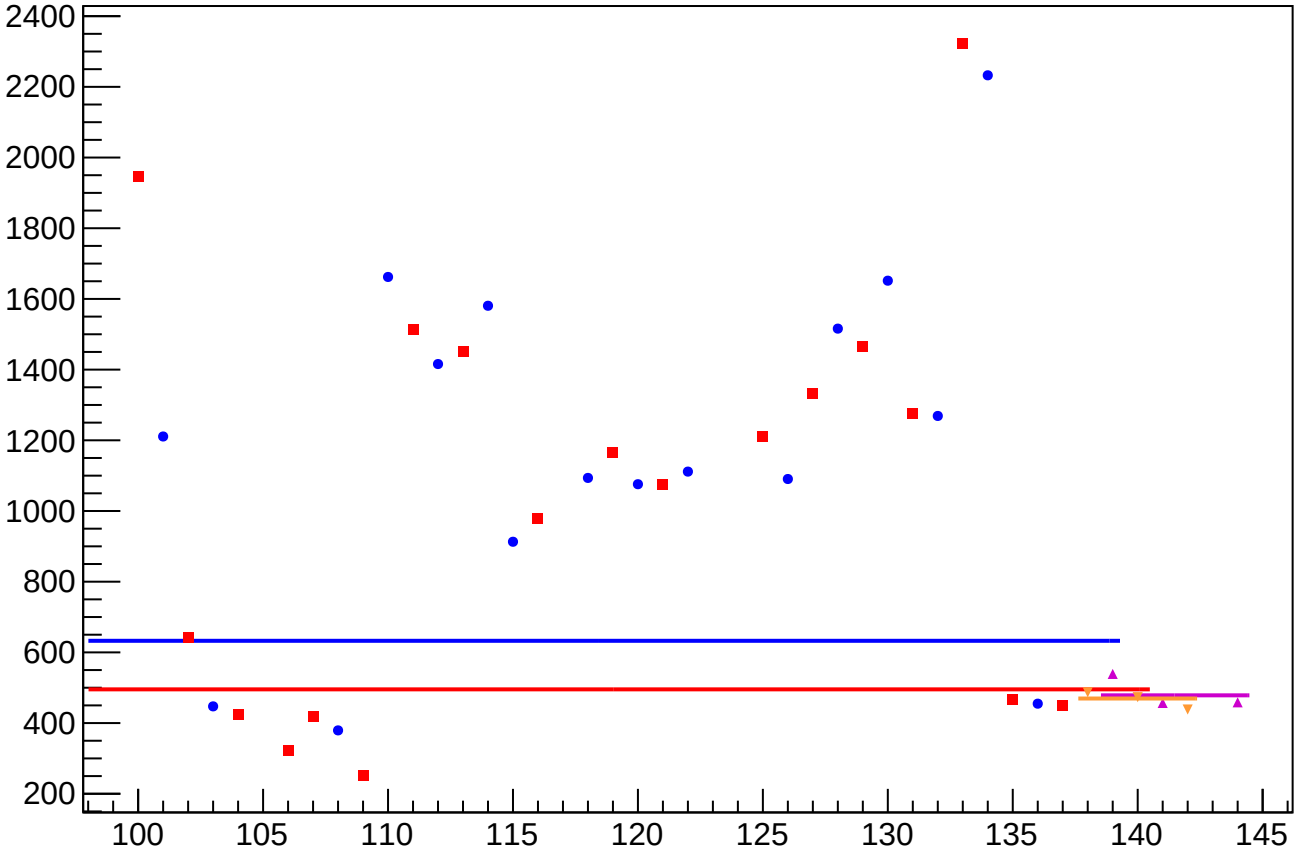
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: -438.460+/-328.977 χ²/NDF:2.1/2
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -96.418+/-297.231 χ²/NDF:0.8/2
Left: -250.143+/-220.546 χ²/NDF: 3.5/5
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 195.616+/-201.753 χ²/NDF:21.8/18
Out: -394.352+/-189.242 χ²/NDF:16.1/20
All: -118.225+/-138.025 χ²/NDF: 42.5/39

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: 469.481+/-0.233 χ^2/NDF:6503.0/2

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 478.471+/-0.210 χ^2/NDF:28356.6/2

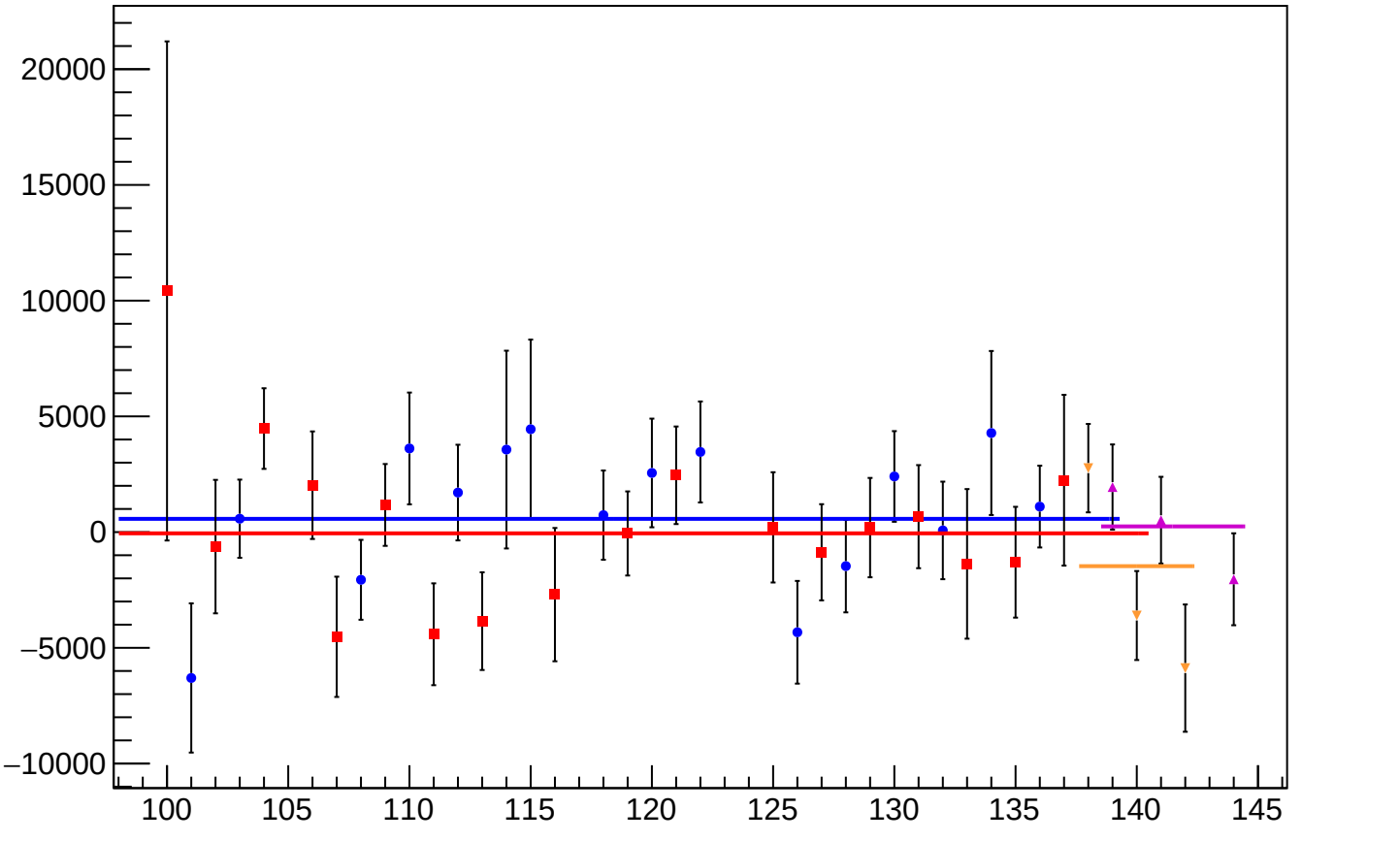
Left: 474.430+/-0.156 χ^2/NDF: 35681.8/5

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 561.670+/-0.143 χ^2/NDF:4086675.2/18

Out: 486.810+/-0.134 χ^2/NDF:4352281.7/20

All: 521.847+/-0.098 χ^2/NDF: 8585435.6/39


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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−10000
100
105
110
115
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125
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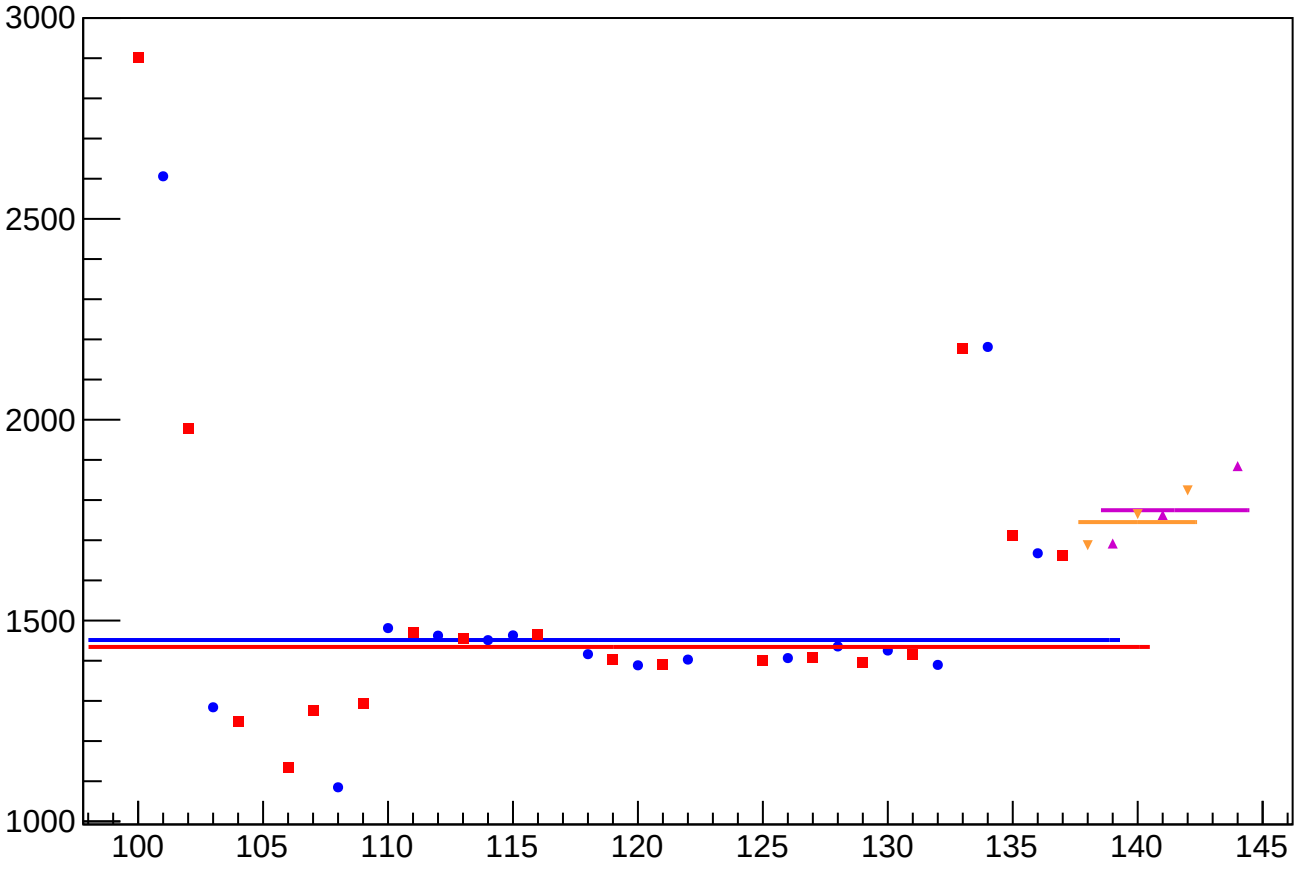
135
140
145
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -1471.142+/-1215.378 χ²/NDF:8.7/2
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: 245.912+/-1095.285 χ²/NDF:2.2/2
Left: -523.615+/-813.638 χ²/NDF: 12.0/5
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 506.633+/-491.253 χ²/NDF:23.0/18
Out: -291.304+/-497.559 χ²/NDF:32.4/20
All: 112.753+/-349.576 χ²/NDF: 56.7/39



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1774.717+/-0.774 χ^2/NDF:10254.4/2

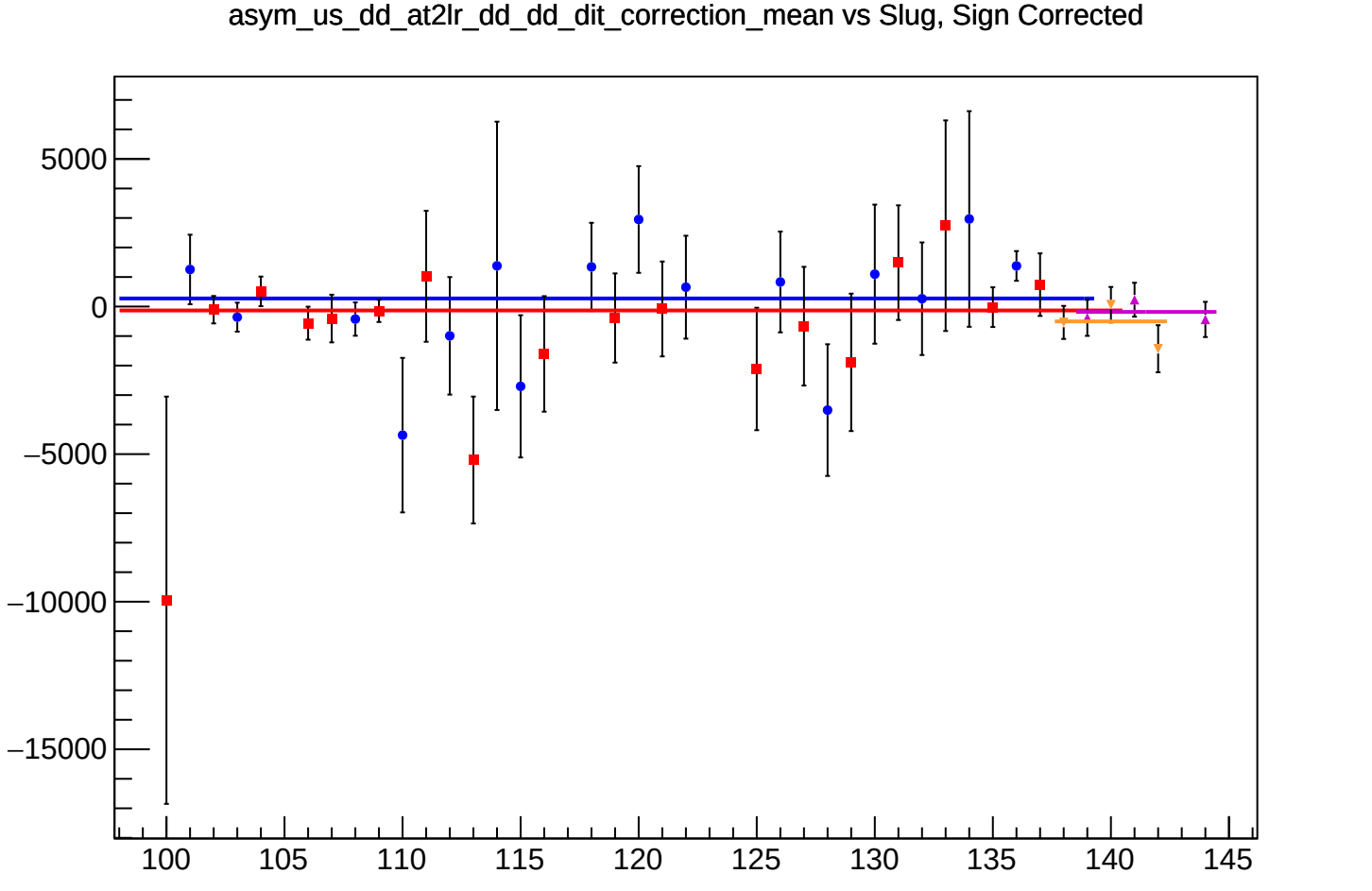
Left: 1761.473+/-0.575 χ^2/NDF: 14584.6/5

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1516.584+/-0.347 χ^2/NDF:637153.2/18

Out: 1486.418+/-0.352 χ^2/NDF:441168.0/20

All: 1501.693+/-0.247 χ^2/NDF: 1082043.9/39



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -503.681+/-364.505 χ^2/NDF:2.2/2

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -182.328+/-342.640 χ^2/NDF:0.8/2

Left: -333.078+/-249.655 χ^2/NDF: 3.5/5

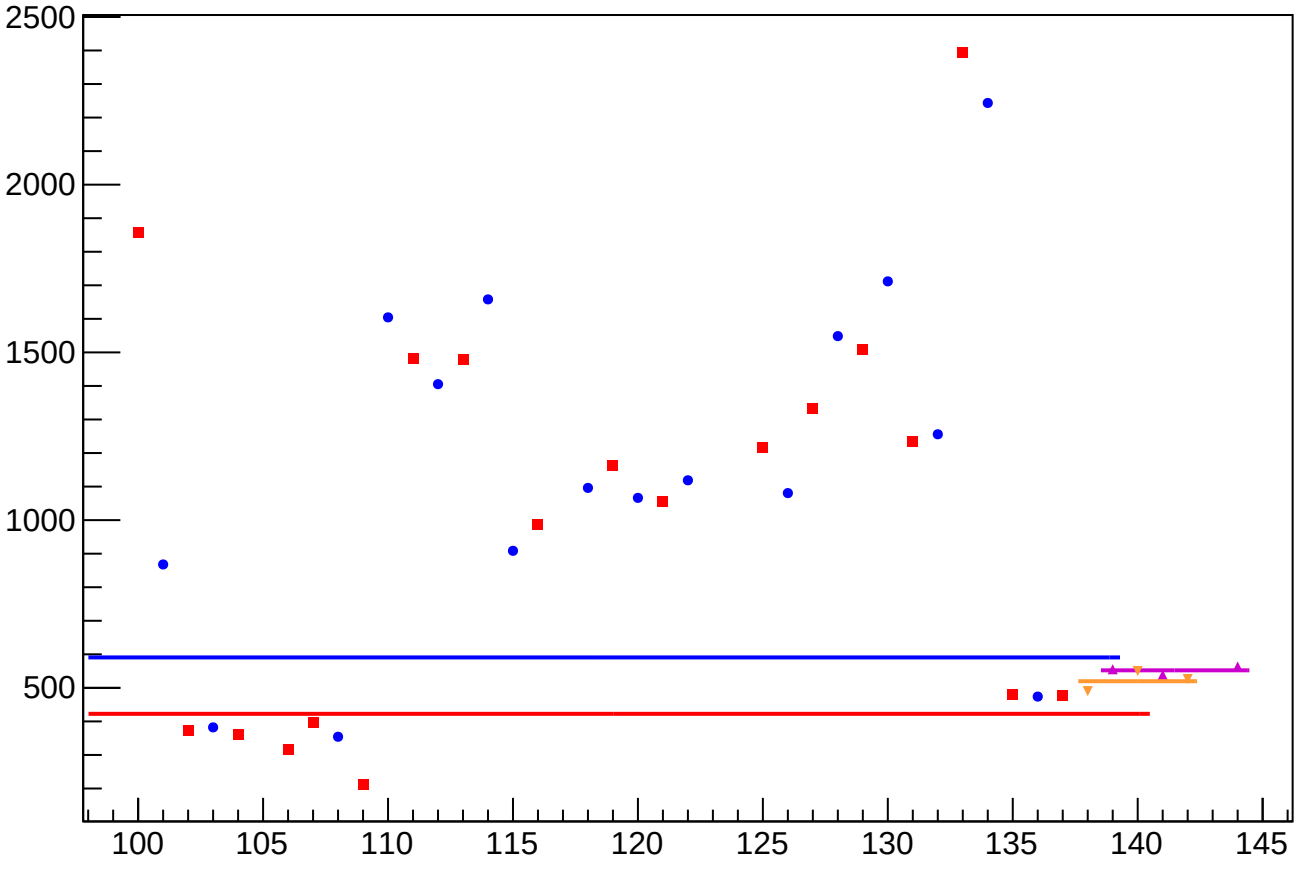
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 106.465+/-207.391 χ^2/NDF:22.1/18

Out: -215.764+/-172.581 χ^2/NDF:17.5/20

All: -83.924+/-132.657 χ^2/NDF: 41.0/39

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: 519.795+/-0.258 χ^2/NDF:10784.3/2

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 552.283+/-0.242 χ^2/NDF:1850.9/2

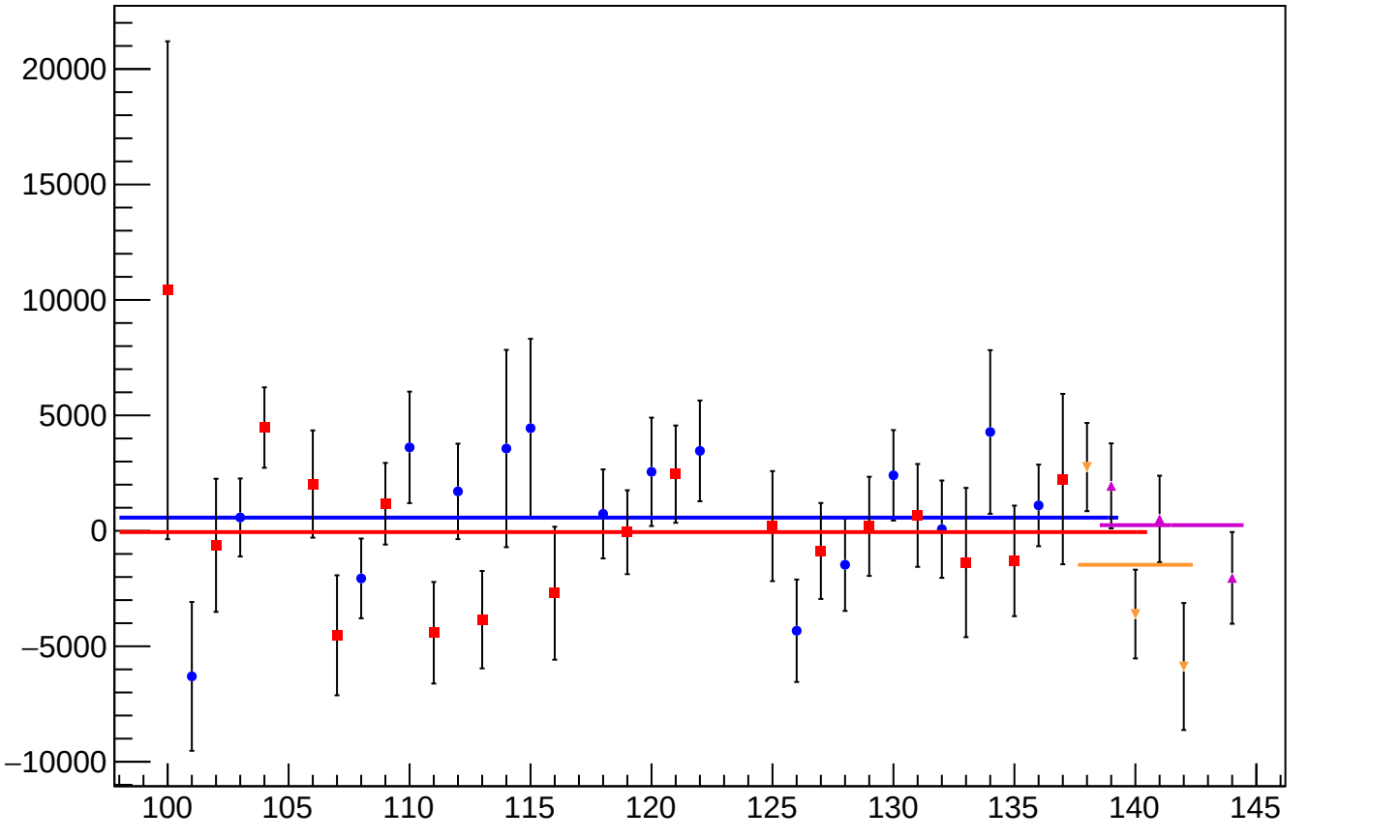
Left: 537.043+/-0.177 χ^2/NDF: 21070.0/5

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 576.657+/-0.147 χ^2/NDF:3903324.8/18

Out: 444.410+/-0.122 χ^2/NDF:4979059.7/20

All: 498.519+/-0.094 χ^2/NDF: 9362884.3/39


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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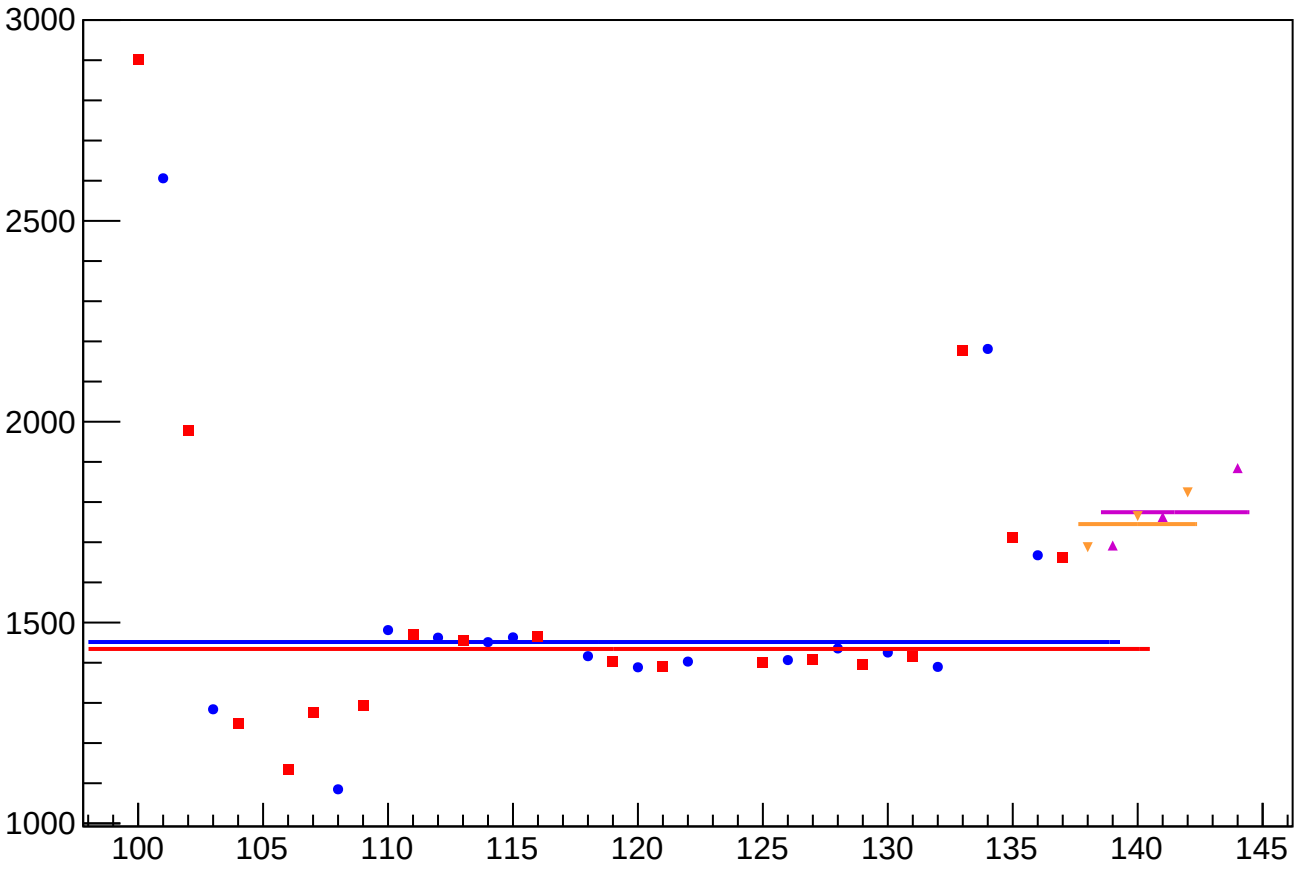
145
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -1471.154+/-1215.378 χ²/NDF:8.7/2
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 245.898+/-1095.286 χ²/NDF:2.2/2
Left: -523.627+/-813.638 χ²/NDF: 12.0/5
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 506.631+/-491.253 χ²/NDF:23.0/18
Out: -291.304+/-497.559 χ²/NDF:32.4/20
All: 112.752+/-349.576 χ²/NDF: 56.7/39



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1774.718+/-0.774 χ^2/NDF:10254.4/2

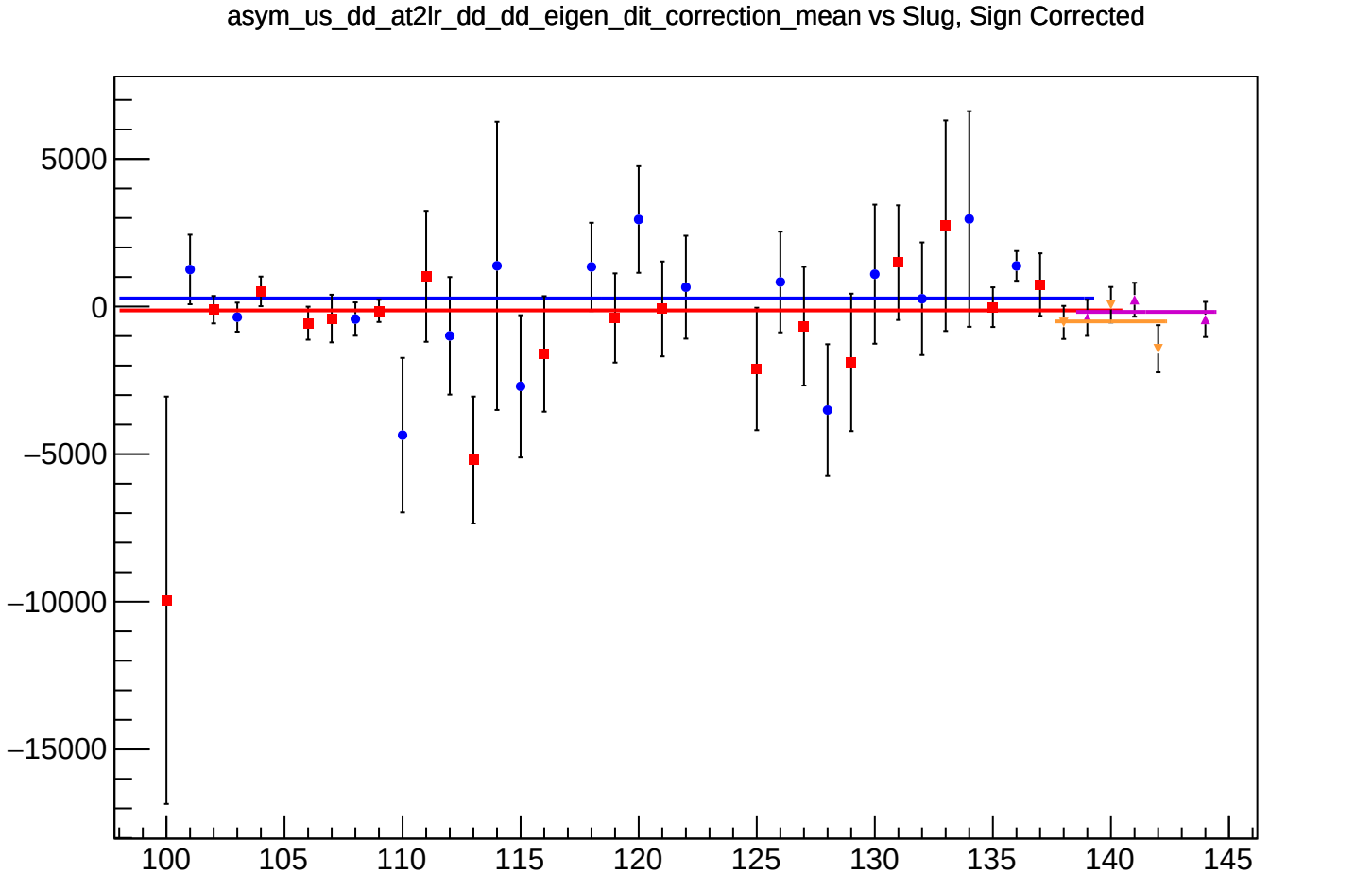
Left: 1761.474+/-0.575 χ^2/NDF: 14584.6/5

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1516.584+/-0.347 χ^2/NDF:637153.0/18

Out: 1486.418+/-0.352 χ^2/NDF:441168.3/20

All: 1501.693+/-0.247 χ^2/NDF: 1082043.9/39



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -503.692+/-364.516 χ^2/NDF:2.2/2

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -182.339+/-342.647 χ^2/NDF:0.8/2

Left: -333.087+/-249.661 χ^2/NDF: 3.5/5

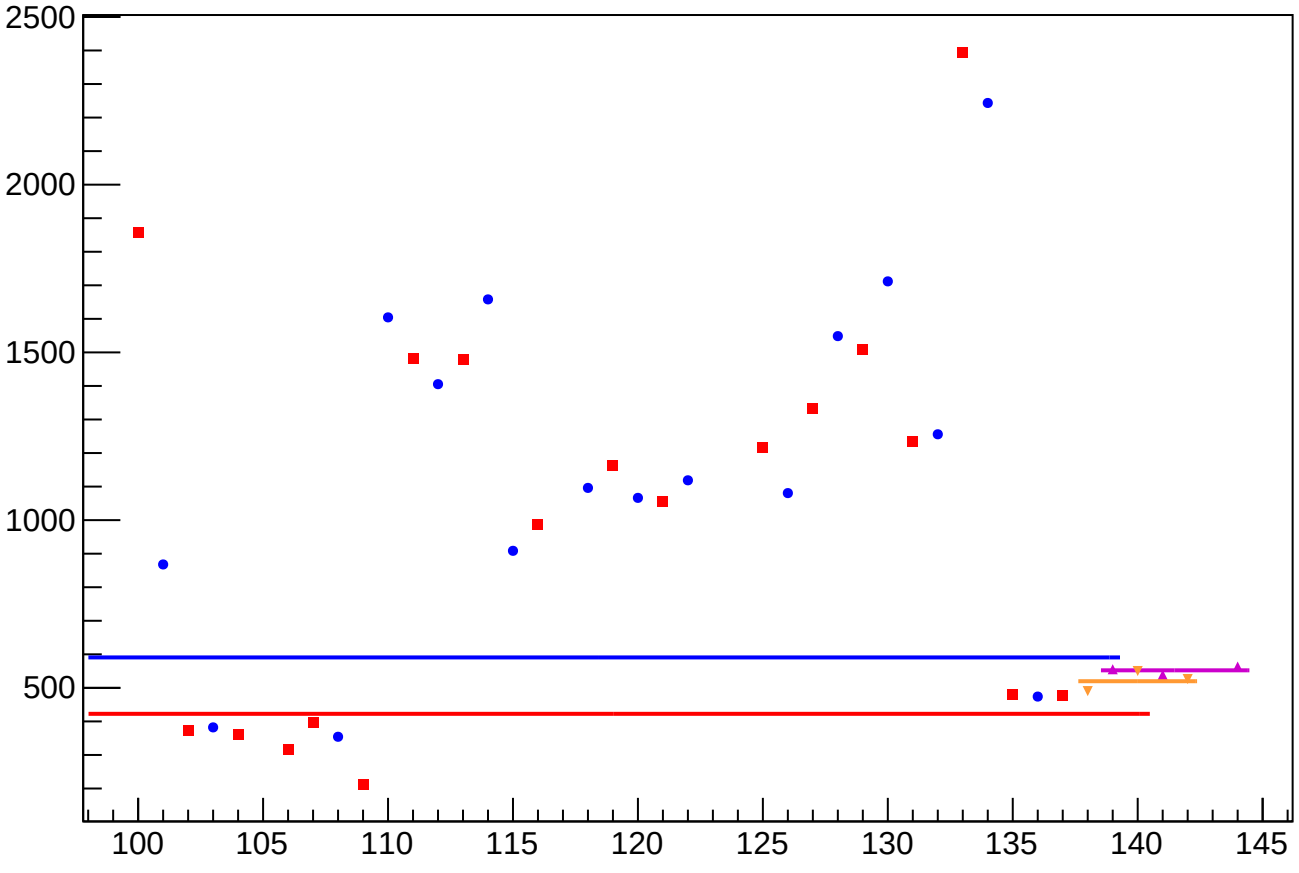
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 106.459+/-207.393 χ^2/NDF:22.1/18

Out: -215.760+/-172.583 χ^2/NDF:17.5/20

All: -83.923+/-132.659 χ^2/NDF: 41.0/39

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: 519.811+/-0.258 χ^2/NDF:10779.1/2

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 552.294+/-0.242 χ^2/NDF:1850.8/2

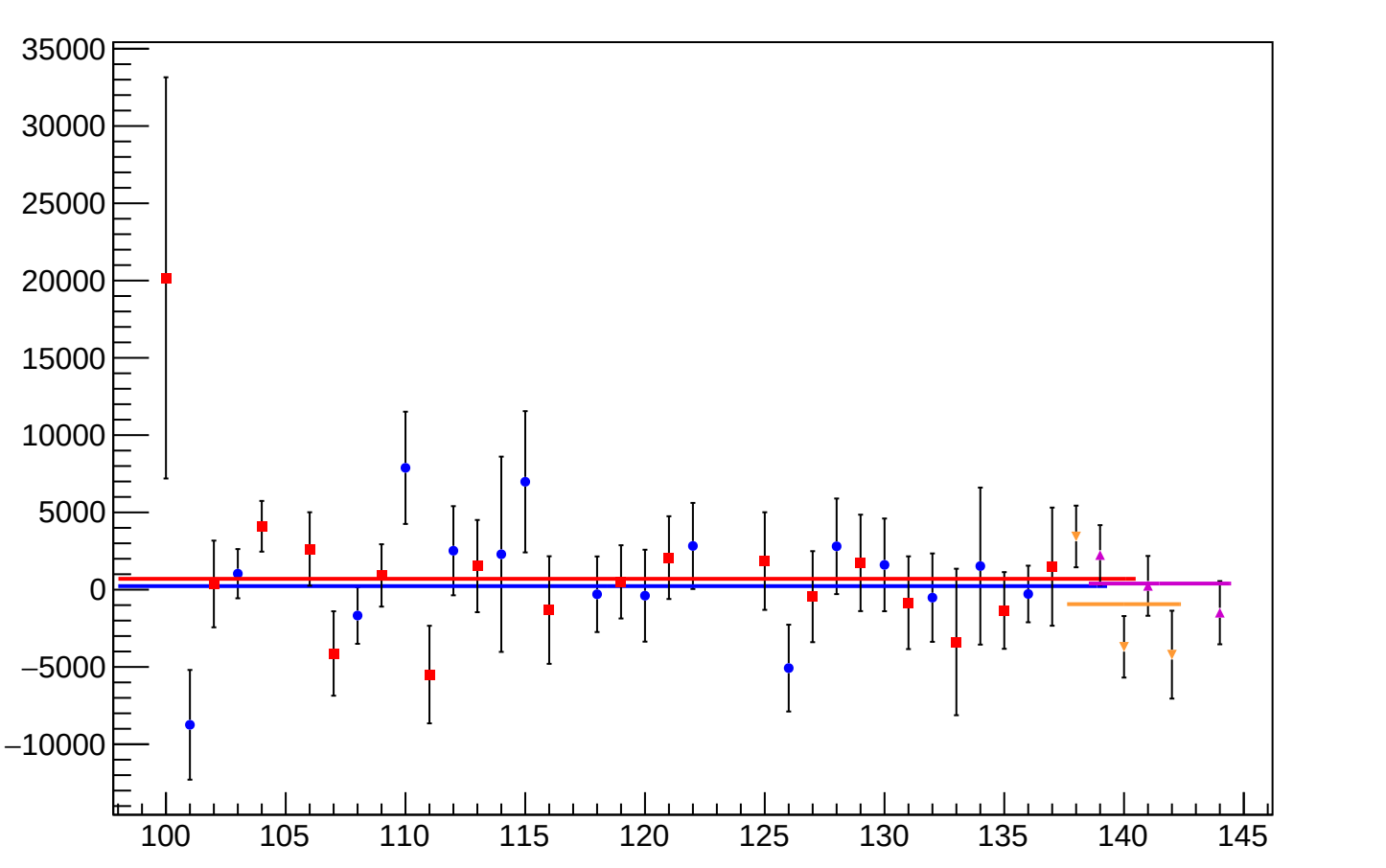
Left: 537.056+/-0.177 χ^2/NDF: 21062.1/5

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 576.660+/-0.147 χ^2/NDF:3903341.6/18

Out: 444.417+/-0.122 χ^2/NDF:4978990.0/20

All: 498.525+/-0.094 χ^2/NDF: 9362796.4/39



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -936.680+/-1262.248 χ^2/NDF:8.1/2

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 397.071+/-1137.031 χ^2/NDF:1.8/2

Left: -200.386+/-844.813 χ^2/NDF: 10.5/5

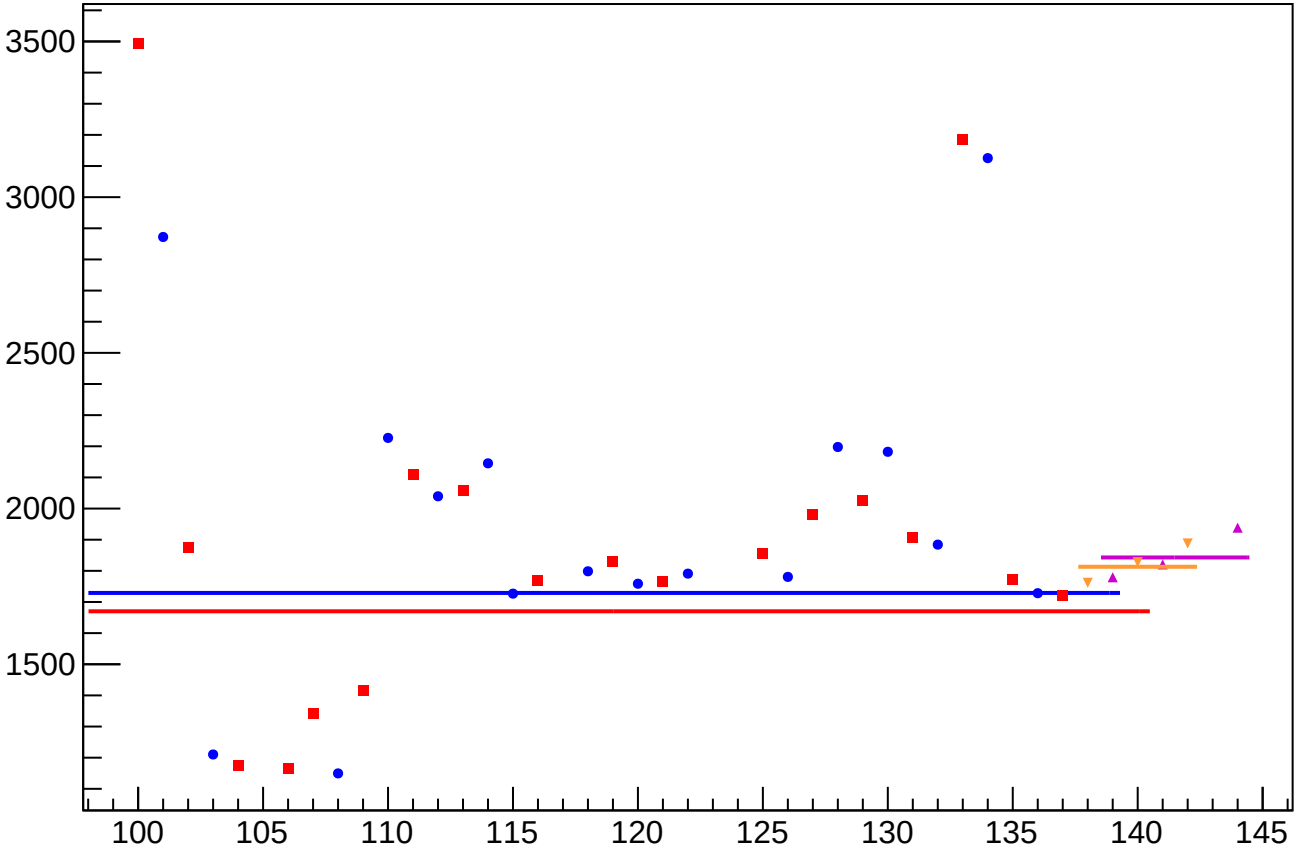
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 273.267+/-574.829 χ^2/NDF:22.5/18

Out: 360.153+/-576.698 χ^2/NDF:26.4/20

All: 316.569+/-407.125 χ^2/NDF: 49.0/39

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: 1813.095+/-0.893 χ^2/NDF:2825.7/2

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1842.971+/-0.804 χ^2/NDF:6810.3/2

Left: 1829.588+/-0.597 χ^2/NDF: 10254.6/5

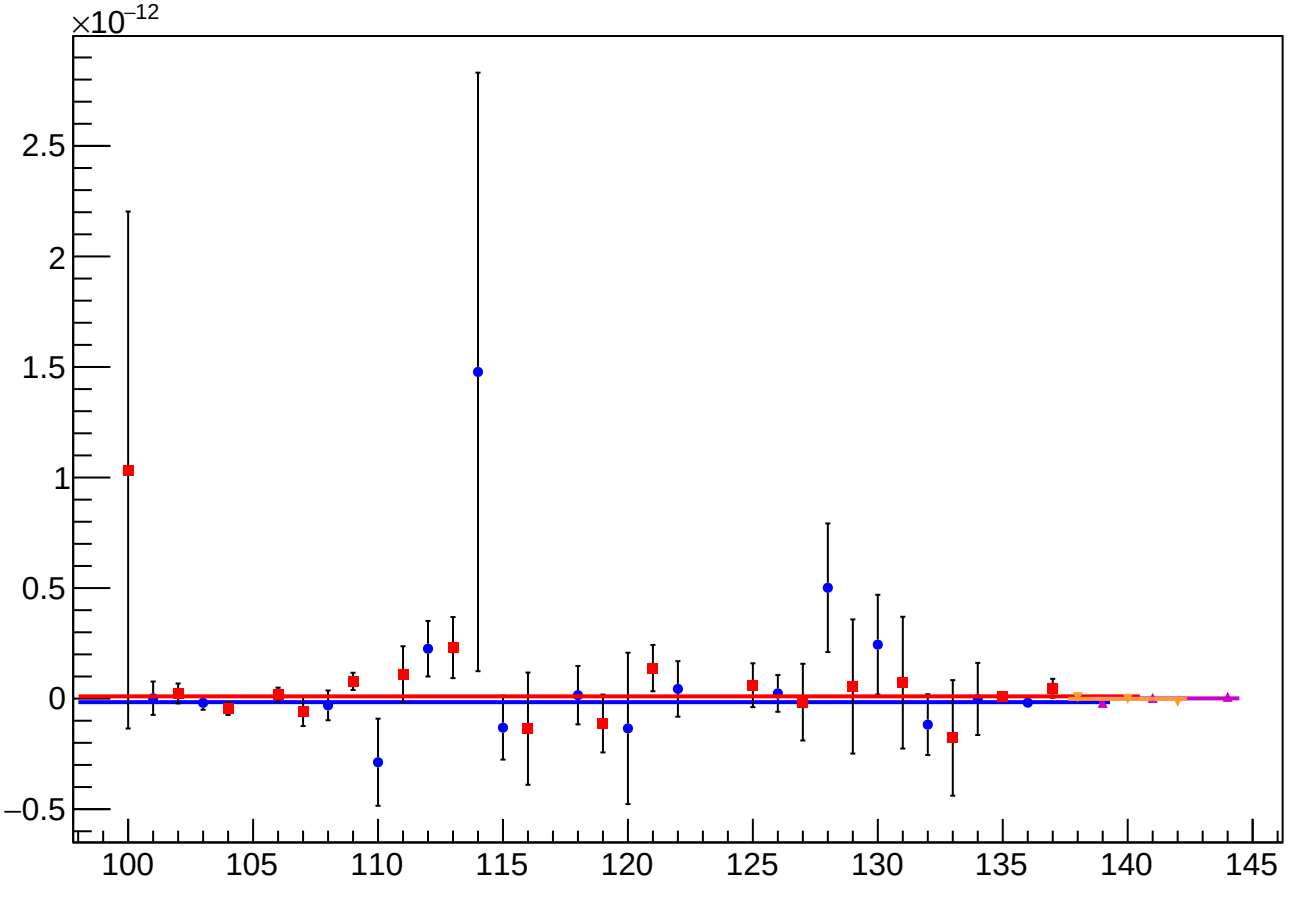
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1758.166+/-0.406 χ^2/NDF:963835.1/18

Out: 1699.914+/-0.408 χ^2/NDF:767599.7/20

All: 1729.135+/-0.288 χ^2/NDF: 1741671.0/39

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/2

Left: -0.000+/-0.000 χ^2/NDF: 2.7/5

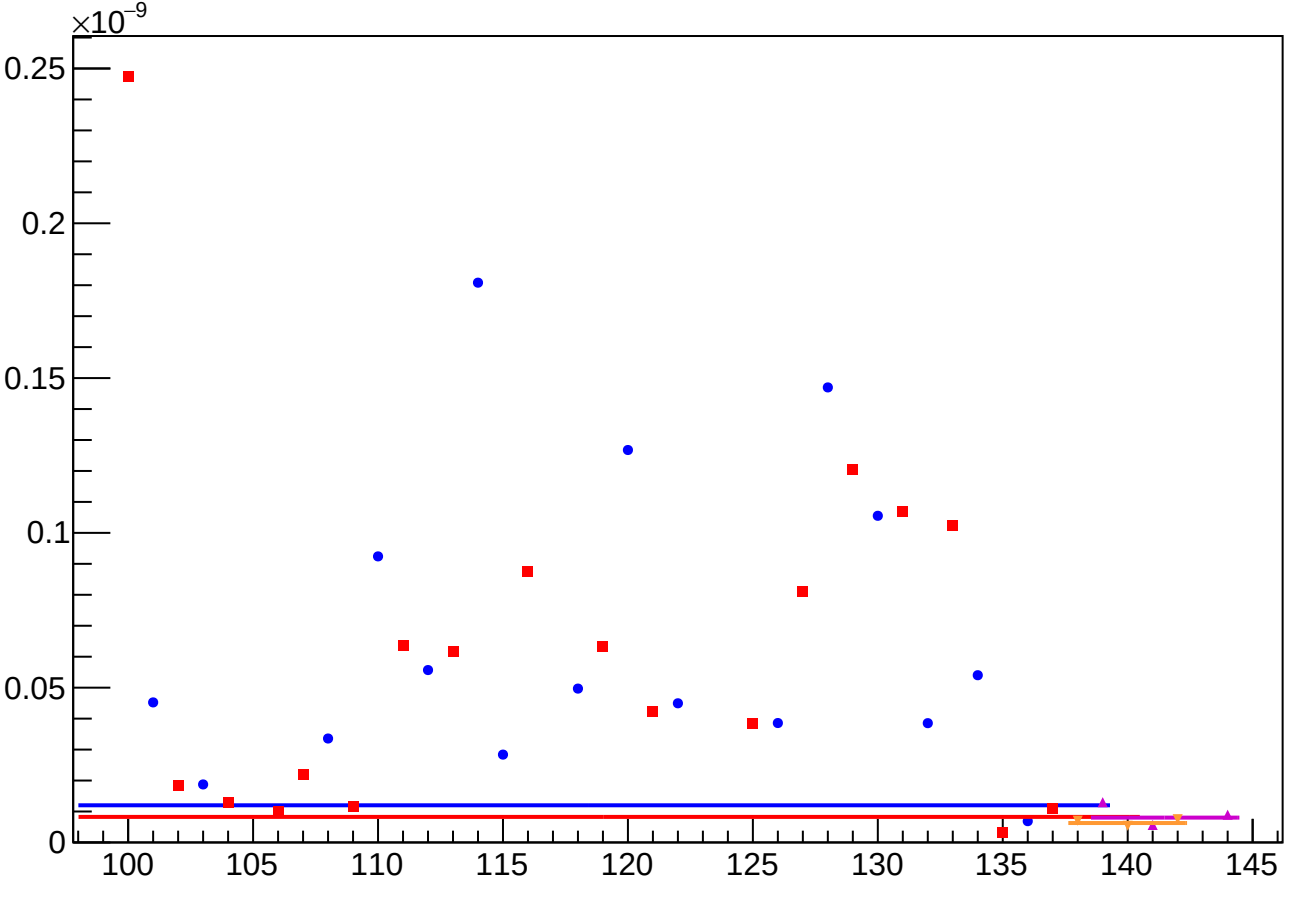
Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:16.8/18

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: -0.000+/-0.000 χ^2/NDF: 36.2/39

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:33142.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:277871.0/2

Left: 0.000+/-0.000 χ^2/NDF: 368684.4/5

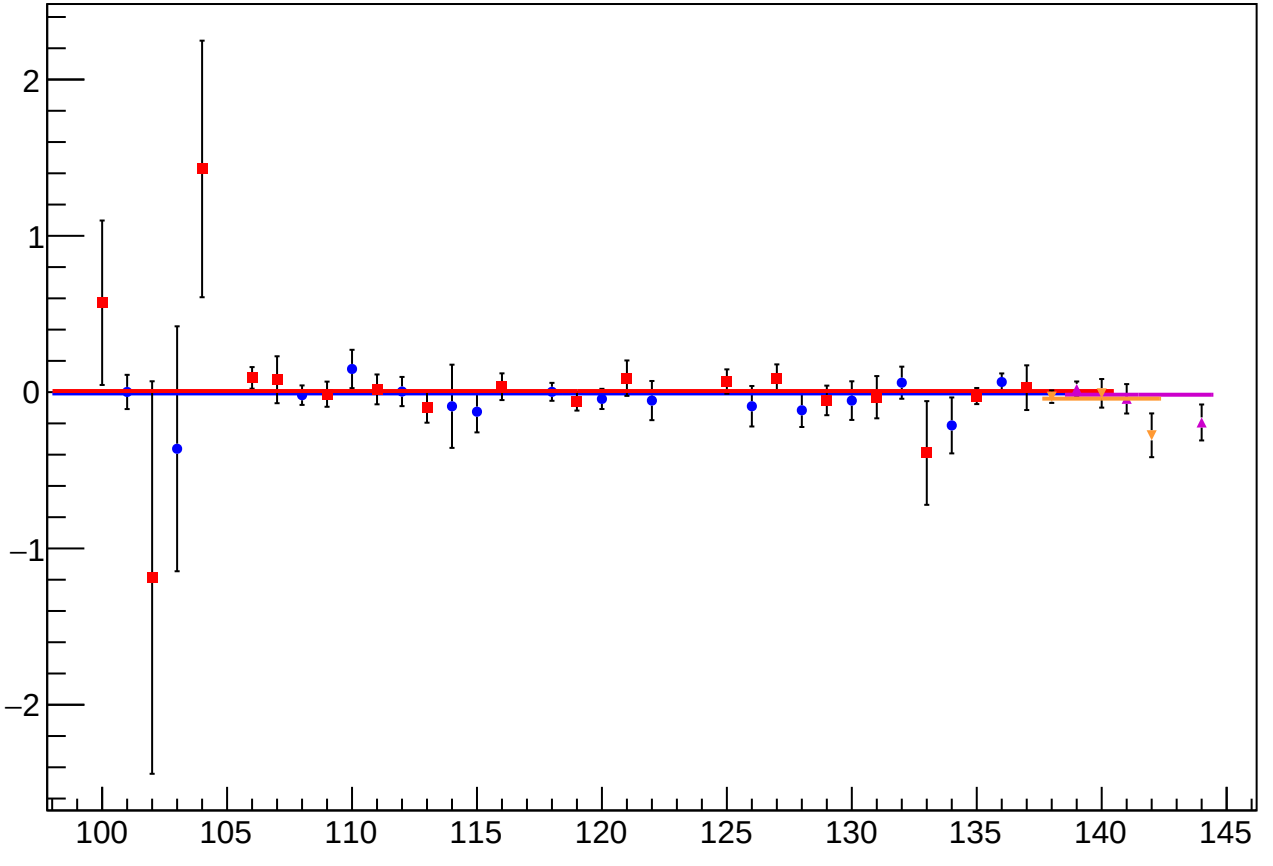
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:3902198.4/18

Out: 0.000+/-0.000 χ^2/NDF:3605131.6/20

All: 0.000+/-0.000 χ^2/NDF: 7667971.7/39

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.017+/-0.040 χ^2/NDF:3.1/2

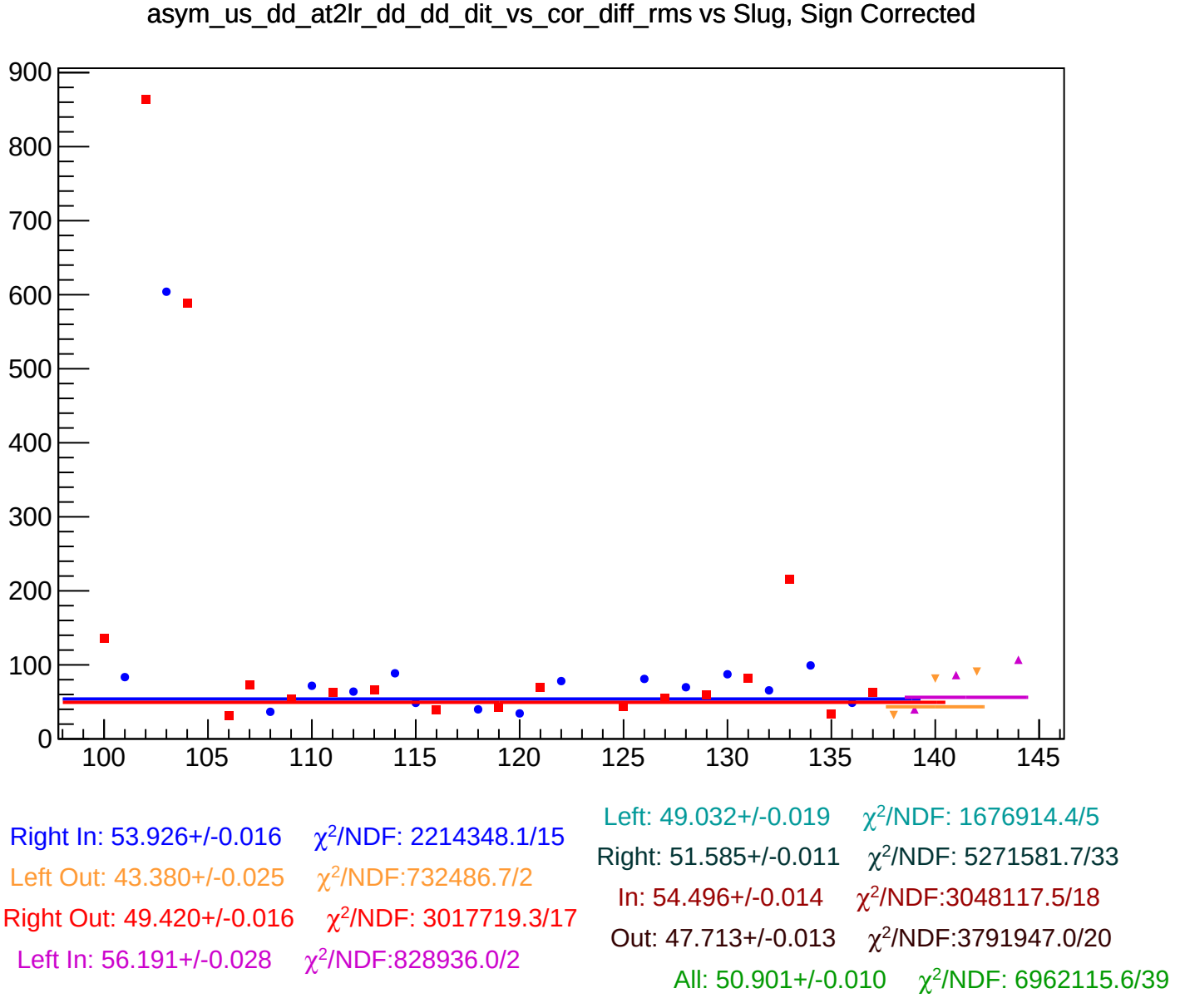
Left: -0.031+/-0.026 χ^2/NDF: 6.3/5

Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

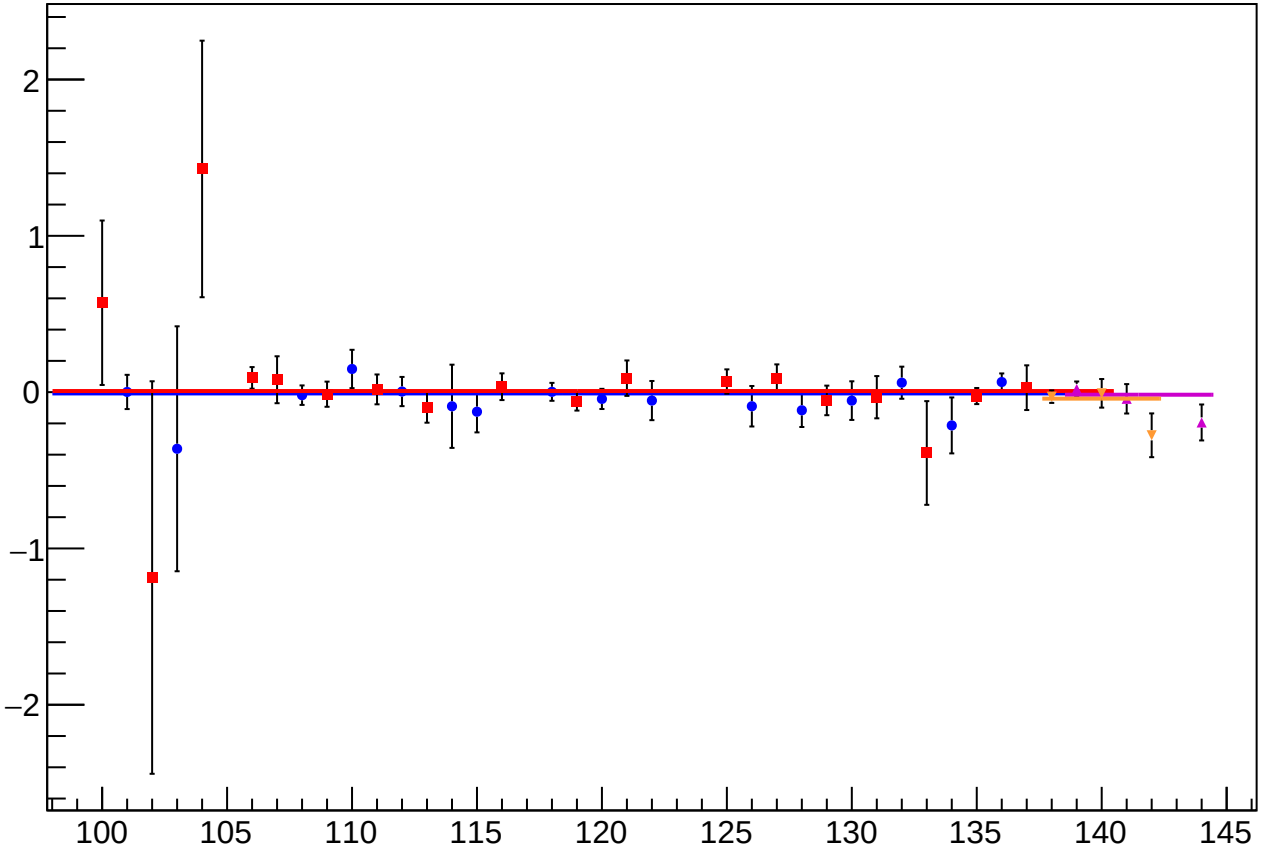
In: -0.010+/-0.020 χ^2/NDF:11.4/18

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.008+/-0.014 χ^2/NDF: 29.5/39


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
0
100
105
110
115
120
125
130
135
140
145
Right In: 53.926+/-0.016 χ2/NDF: 2214348.1/15
Left Out: 43.380+/-0.025 χ2/NDF:732486.7/2
Right Out: 49.420+/-0.016 χ2/NDF: 3017719.3/17
Left In: 56.191+/-0.028 χ2/NDF:828936.0/2
Left: 49.032+/-0.019 χ2/NDF: 1676914.4/5
Right: 51.585+/-0.011 χ2/NDF: 5271581.7/33
In: 54.496+/-0.014 χ2/NDF:3048117.5/18
Out: 47.713+/-0.013 χ2/NDF:3791947.0/20
All: 50.901+/-0.010 χ2/NDF: 6962115.6/39

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.017+/-0.040 χ^2/NDF:3.1/2

Left: -0.031+/-0.026 χ^2/NDF: 6.3/5

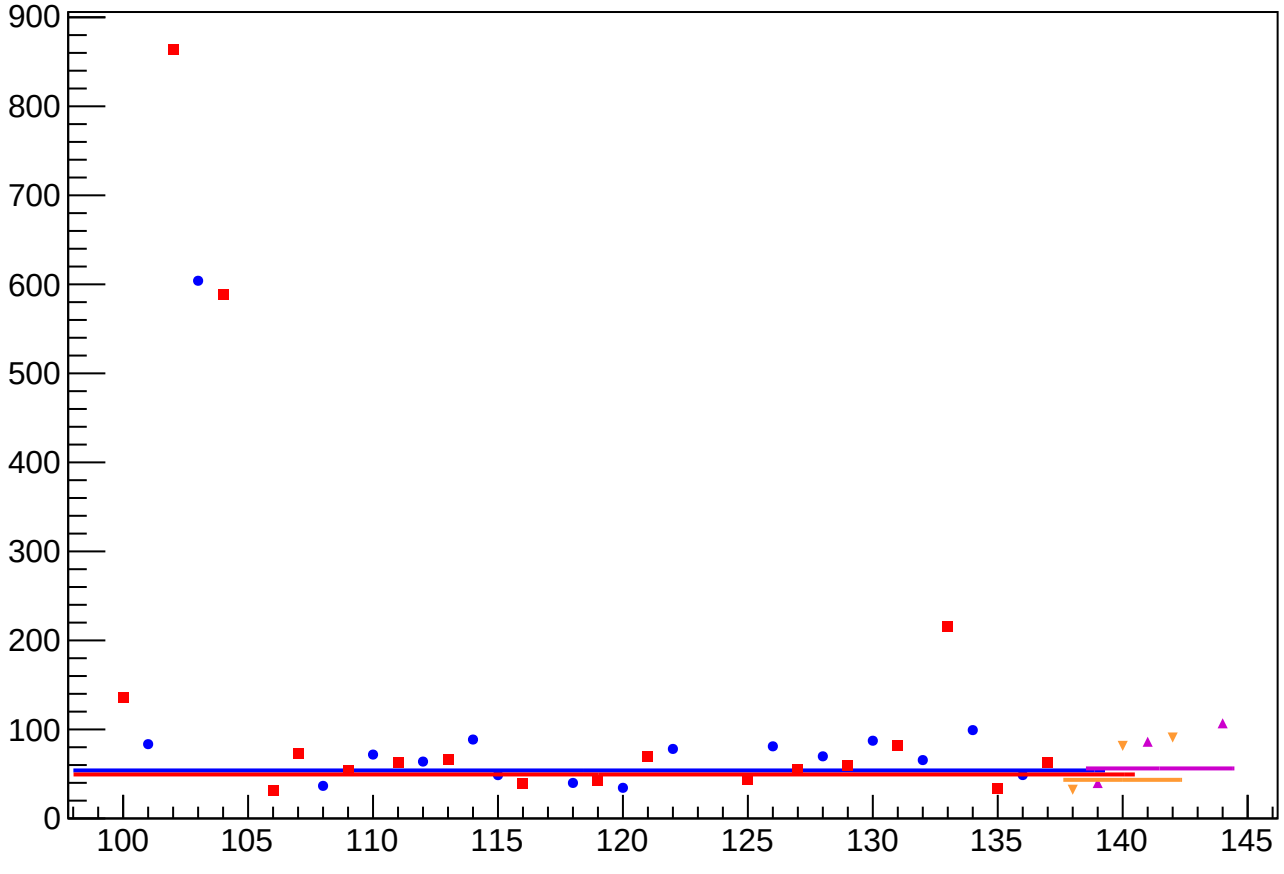
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.010+/-0.020 χ^2/NDF:11.4/18

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.008+/-0.014 χ^2/NDF: 29.5/39

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: 43.380+/-0.025 χ^2/NDF:732486.7/2

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.191+/-0.028 χ^2/NDF:828936.0/2

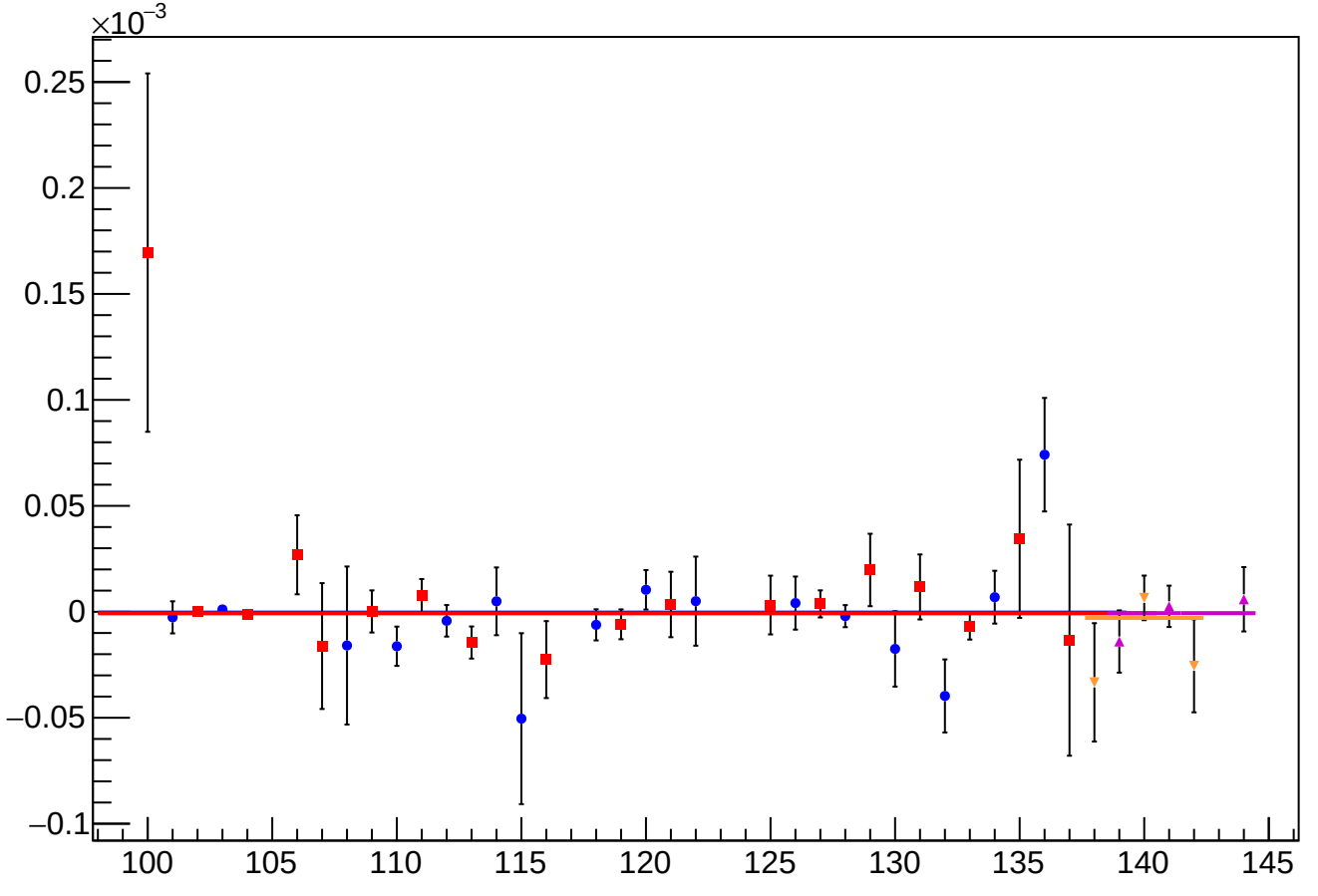
Left: 49.032+/-0.019 χ^2/NDF: 1676914.4/5

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.496+/-0.014 χ^2/NDF:3048117.5/18

Out: 47.713+/-0.013 χ^2/NDF:3791947.0/20

All: 50.901+/-0.010 χ^2/NDF: 6962115.6/39



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

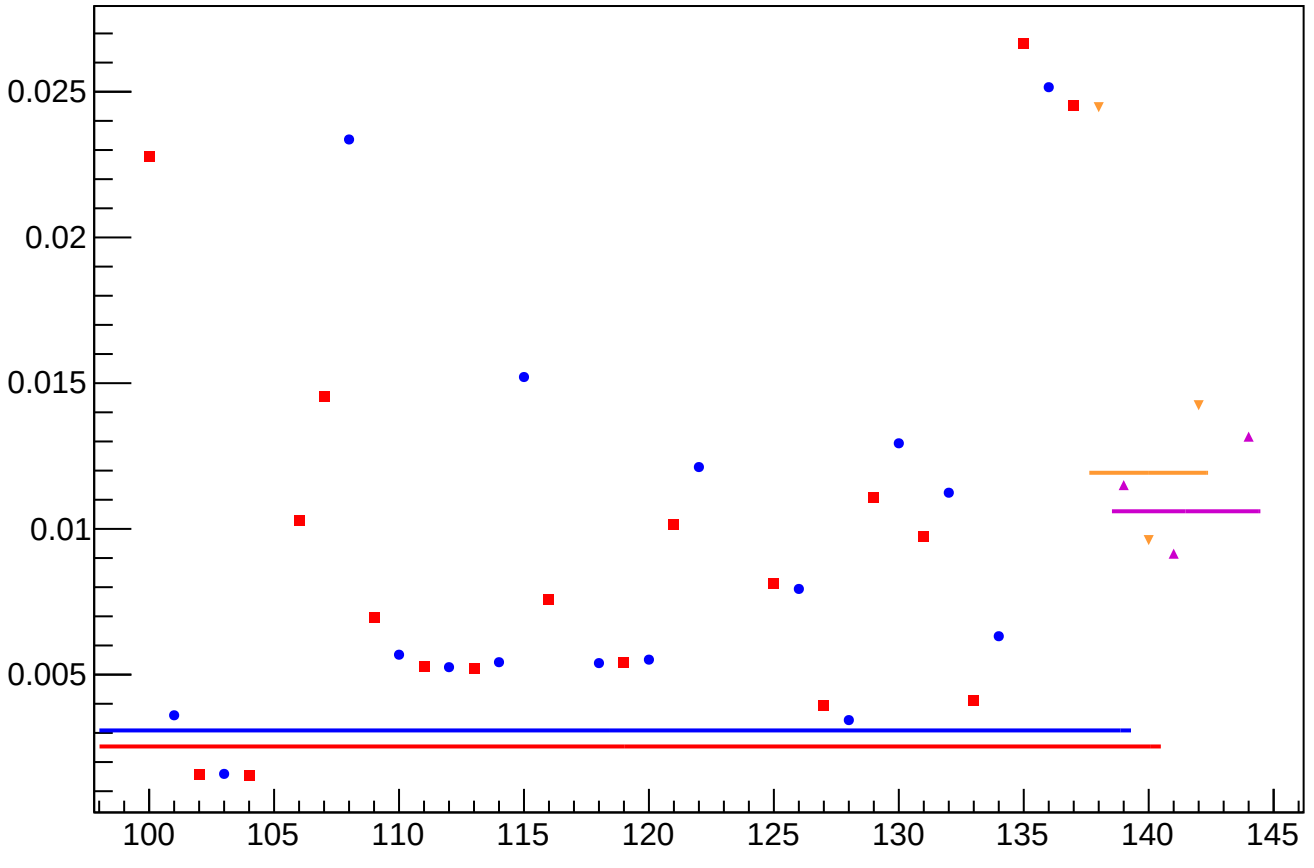
Left: -0.000+/-0.000 χ^2/NDF: 4.2/5

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:23.2/18

Out: -0.000+/-0.000 χ^2/NDF:20.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.2/39



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.012+/-0.000 χ^2/NDF:522331.4/2

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.011+/-0.000 χ^2/NDF:108855.0/2

Left: 0.011+/-0.000 χ^2/NDF: 657630.6/5

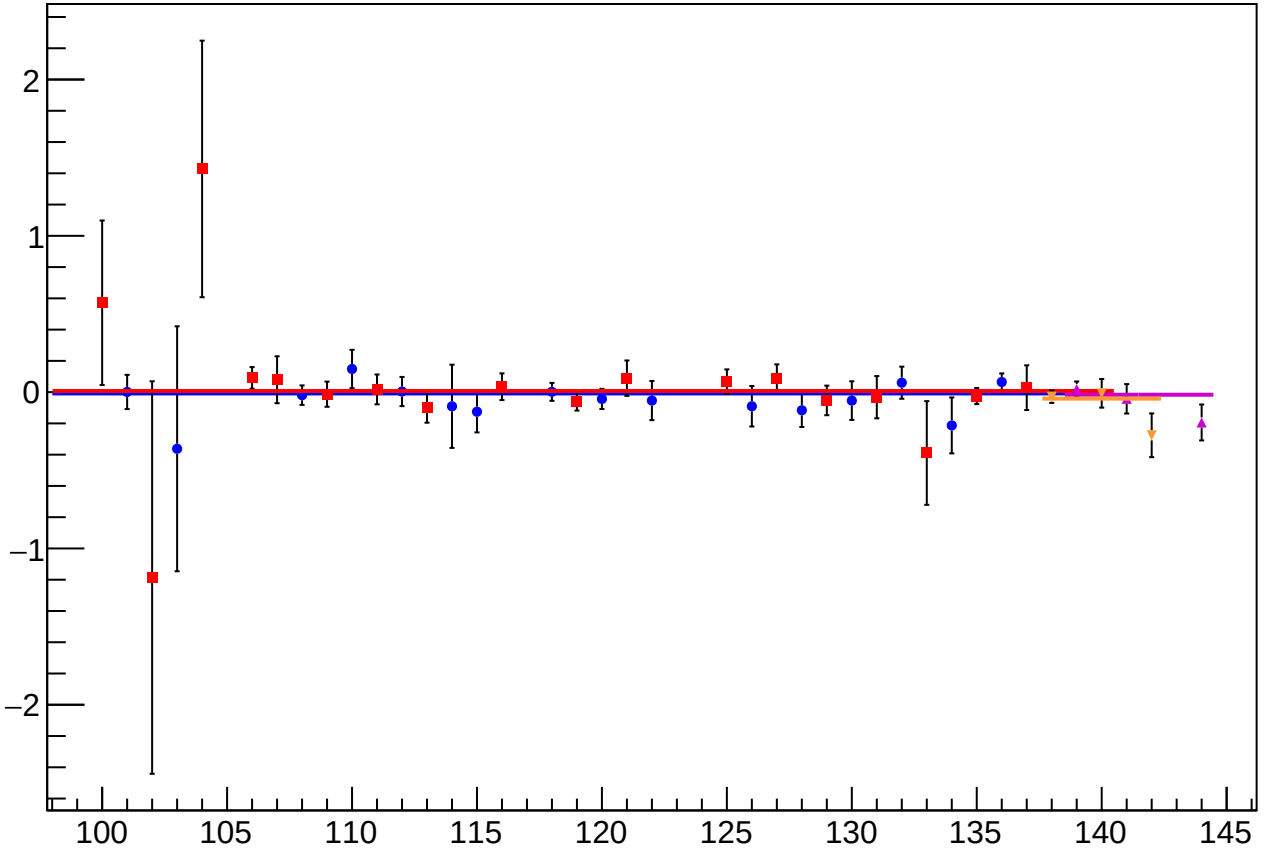
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.003+/-0.000 χ^2/NDF:7983964.7/18

Out: 0.003+/-0.000 χ^2/NDF:8903391.1/20

All: 0.003+/-0.000 χ^2/NDF: 17150586.7/39

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.017+/-0.040 χ^2/NDF:3.1/2

Left: -0.031+/-0.026 χ^2/NDF: 6.3/5

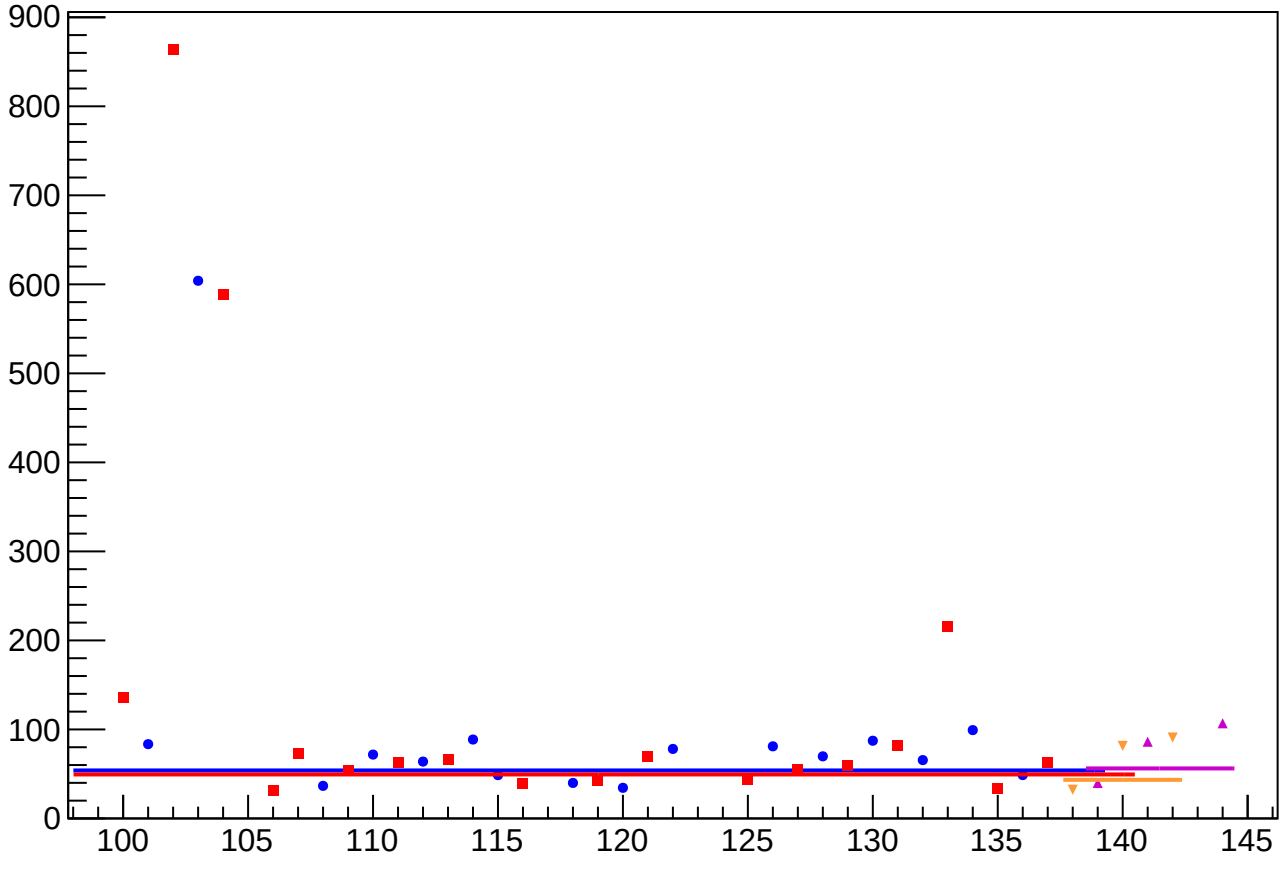
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.010+/-0.020 χ^2/NDF:11.4/18

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.008+/-0.014 χ^2/NDF: 29.5/39

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: 43.390+/-0.025 χ^2/NDF:732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.194+/-0.028 χ^2/NDF:828944.2/2

Left: 49.040+/-0.019 χ^2/NDF: 1676629.1/5

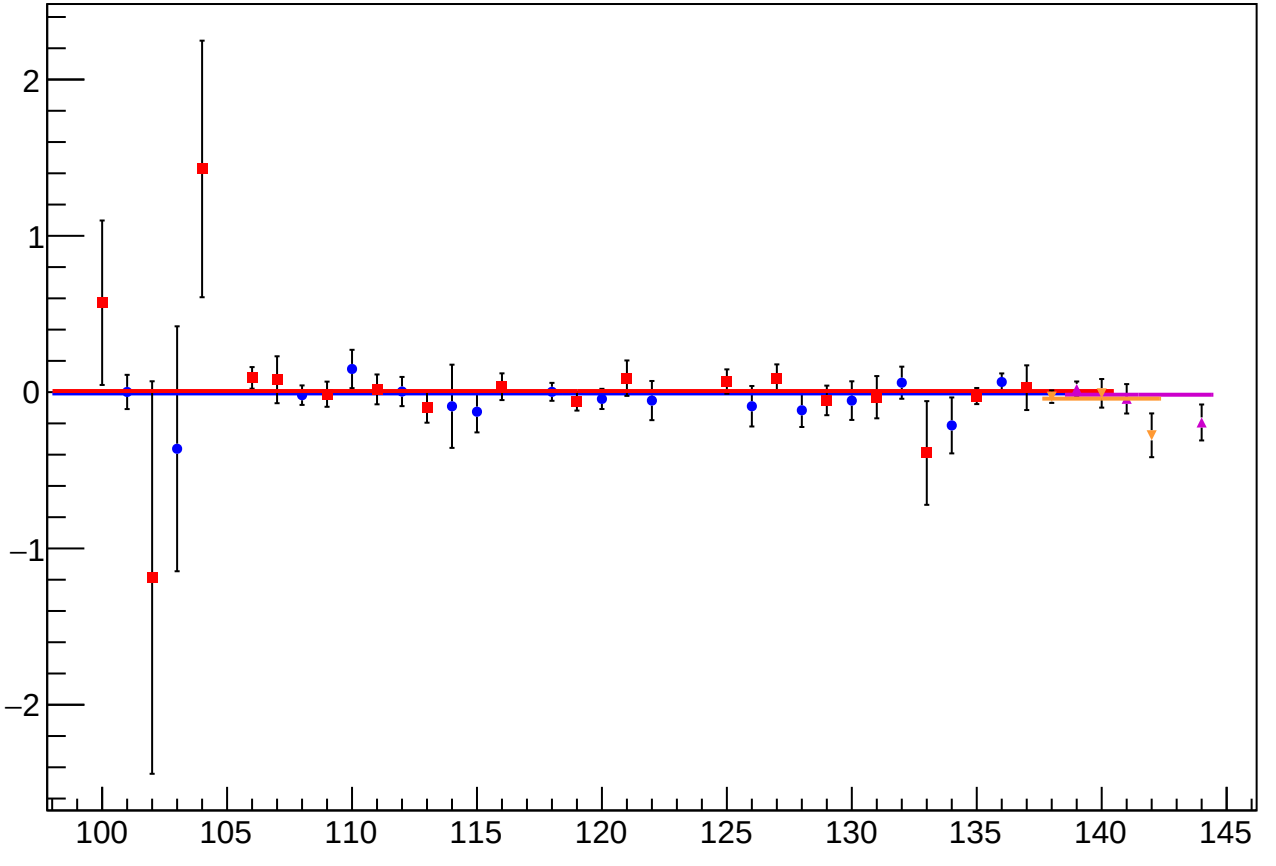
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.499+/-0.014 χ^2/NDF:3047728.2/18

Out: 47.718+/-0.013 χ^2/NDF:3791394.2/20

All: 50.905+/-0.010 χ^2/NDF: 6961116.4/39

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.017+/-0.040 χ^2/NDF:3.1/2

Left: -0.031+/-0.026 χ^2/NDF: 6.3/5

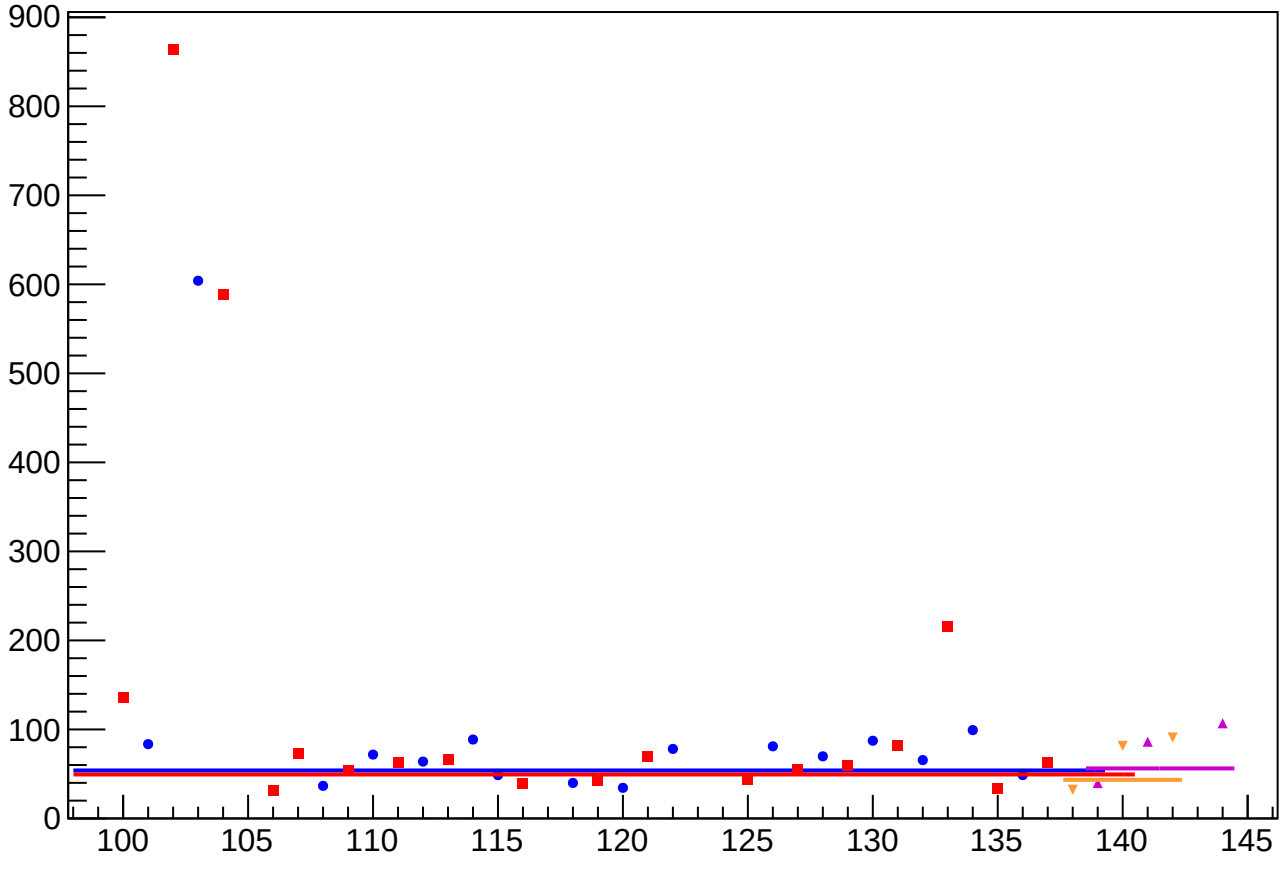
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.010+/-0.020 χ^2/NDF:11.4/18

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.008+/-0.014 χ^2/NDF: 29.5/39

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: 43.390+/-0.025 χ^2/NDF:732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.194+/-0.028 χ^2/NDF:828944.2/2

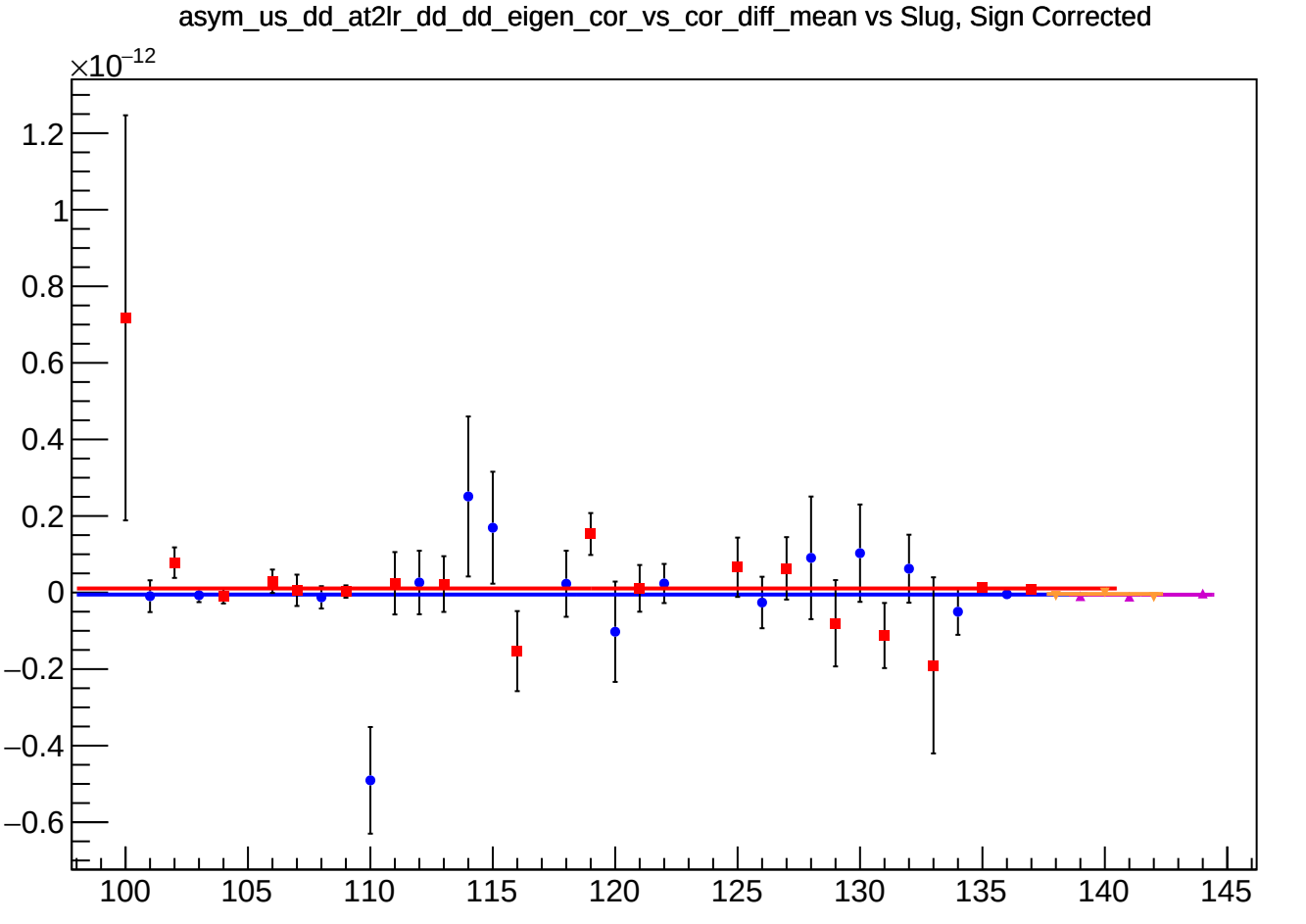
Left: 49.040+/-0.019 χ^2/NDF: 1676629.1/5

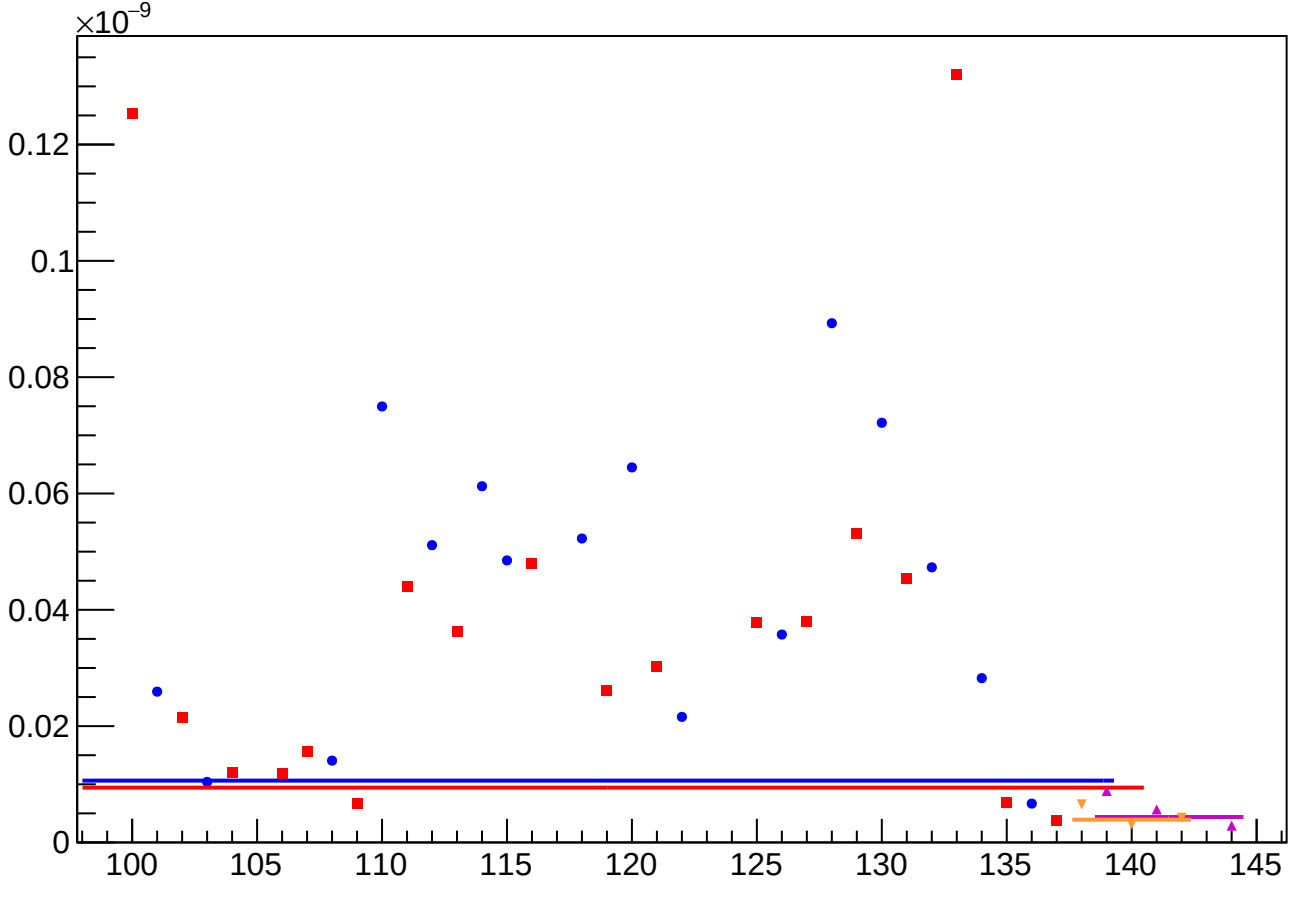
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.499+/-0.014 χ^2/NDF:3047728.2/18

Out: 47.718+/-0.013 χ^2/NDF:3791394.2/20

All: 50.905+/-0.010 χ^2/NDF: 6961116.4/39


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.0/2
Left: -0.000+/-0.000 χ²/NDF: 3.2/5
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:19.6/18
Out: -0.000+/-0.000 χ²/NDF:25.9/20
All: -0.000+/-0.000 χ²/NDF: 46.8/39



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:235101.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:571494.7/2

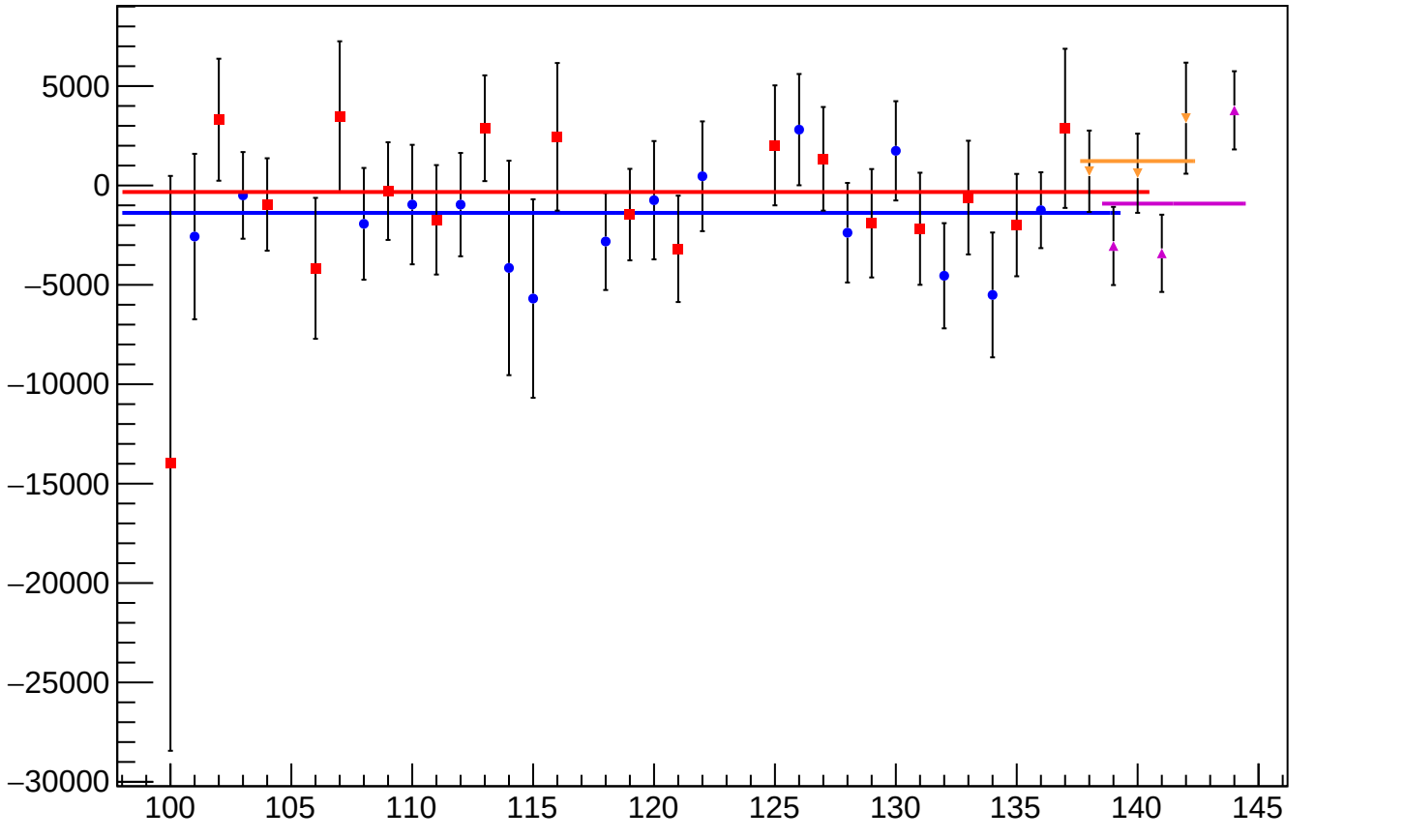
Left: 0.000+/-0.000 χ^2/NDF: 821772.3/5

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6408734.8/18

Out: 0.000+/-0.000 χ^2/NDF:5365509.1/20

All: 0.000+/-0.000 χ^2/NDF: 11807032.2/39



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.601+/-1270.680 χ^2/NDF:0.8/2

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -914.044+/-1131.212 χ^2/NDF:8.5/2

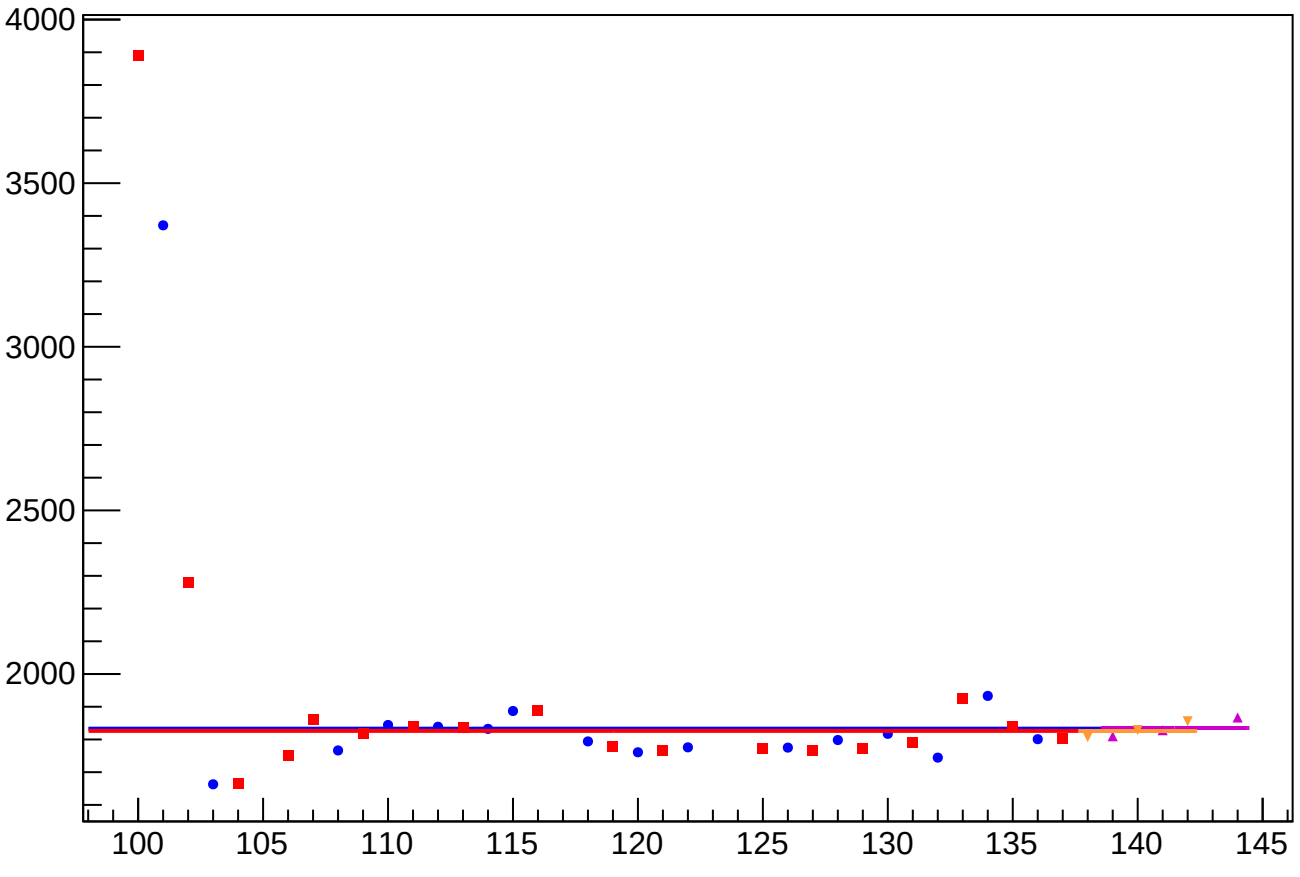
Left: 32.397+/-844.911 χ^2/NDF: 10.9/5

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1253.001+/-588.461 χ^2/NDF:17.9/18

Out: 20.575+/-602.208 χ^2/NDF:13.0/20

All: -630.916+/-420.881 χ^2/NDF: 33.2/39



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

Left: 1830.993+/-0.597 χ^2/NDF: 1340.2/5

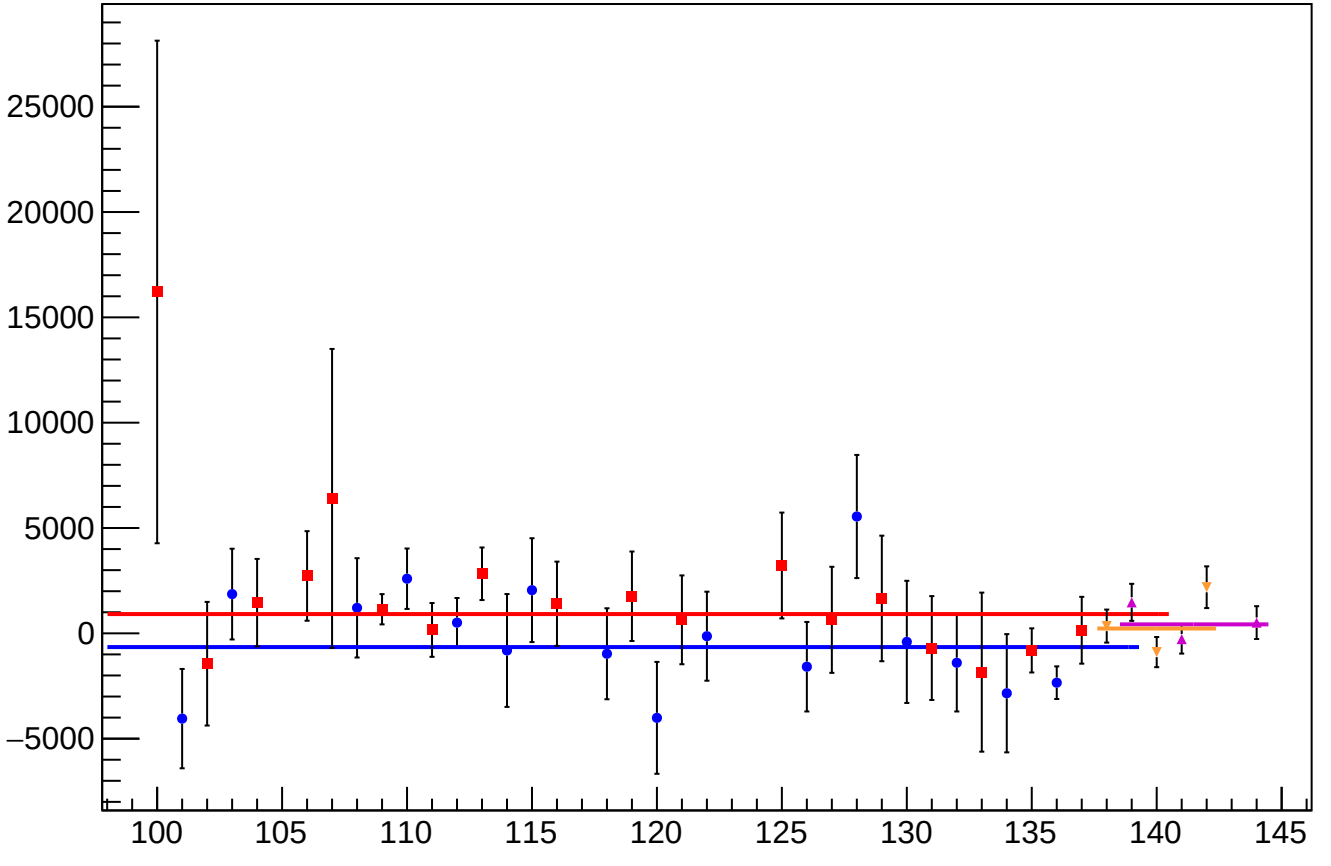
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1833.517+/-0.416 χ^2/NDF:296330.9/18

Out: 1826.132+/-0.426 χ^2/NDF:103402.1/20

All: 1829.910+/-0.298 χ^2/NDF: 399886.9/39

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 229.626+/-466.283 χ^2/NDF:6.4/2

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 426.227+/-444.281 χ^2/NDF:2.5/2

Left: 332.674+/-321.651 χ^2/NDF: 8.9/5

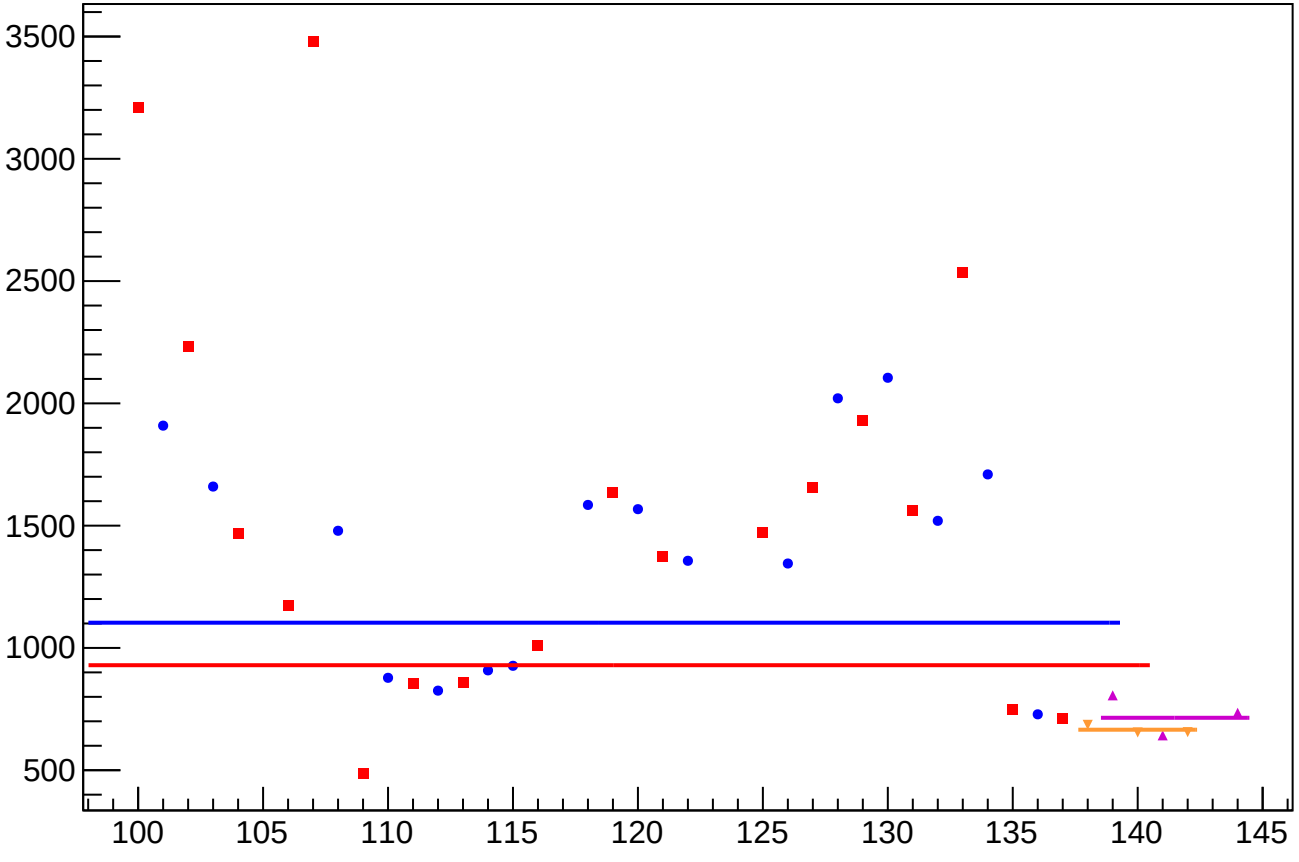
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -115.469+/-313.393 χ^2/NDF:28.7/18

Out: 629.820+/-300.690 χ^2/NDF:19.2/20

All: 272.585+/-216.972 χ^2/NDF: 50.8/39

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: 665.597+/-0.330 χ^2/NDF:1993.3/2

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 714.377+/-0.314 χ^2/NDF:45089.0/2

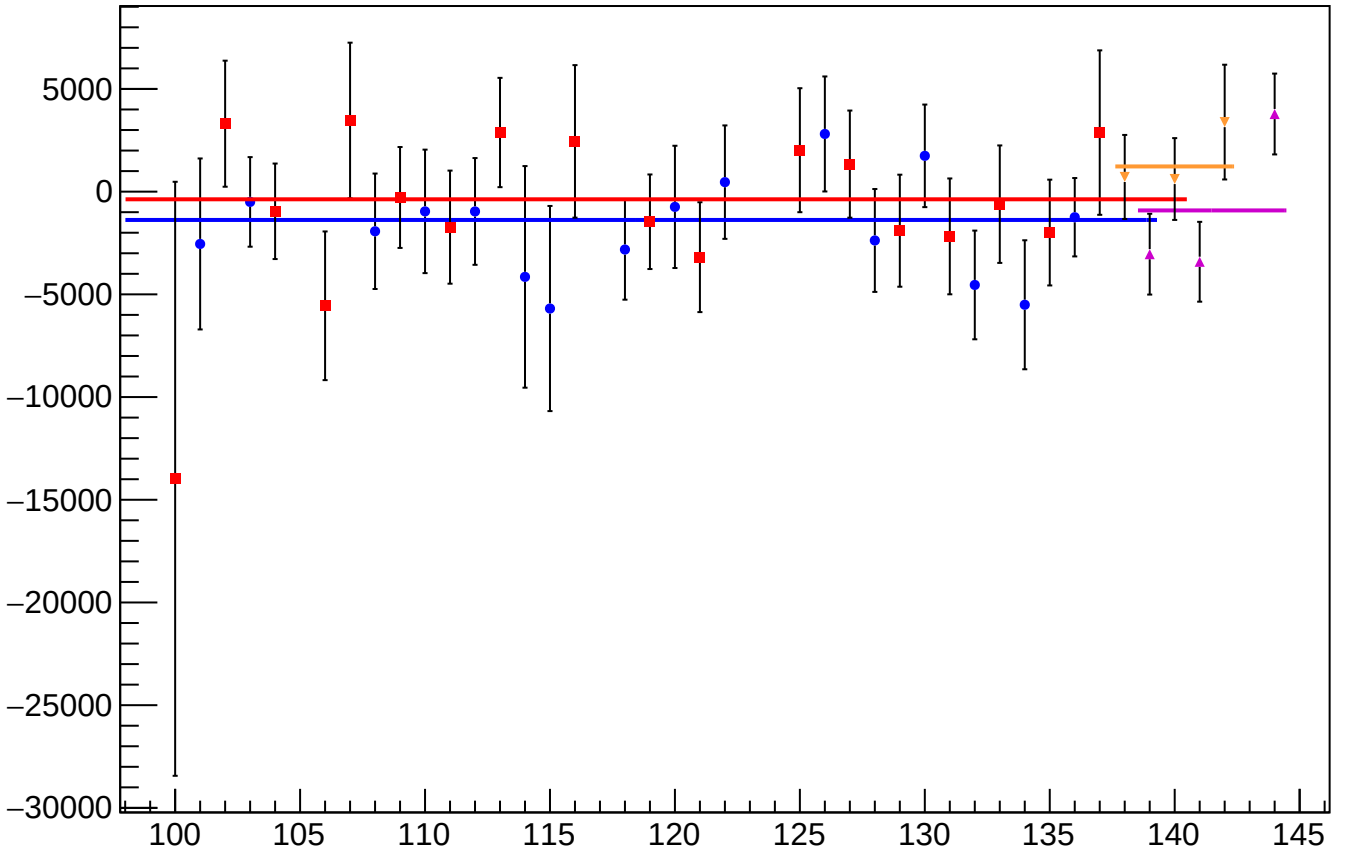
Left: 691.165+/-0.227 χ^2/NDF: 58555.1/5

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 909.722+/-0.222 χ^2/NDF:2692836.7/18

Out: 819.671+/-0.213 χ^2/NDF:3429912.6/20

All: 862.834+/-0.153 χ^2/NDF: 6208727.9/39



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -914.183+/-1131.212 χ^2/NDF:8.5/2

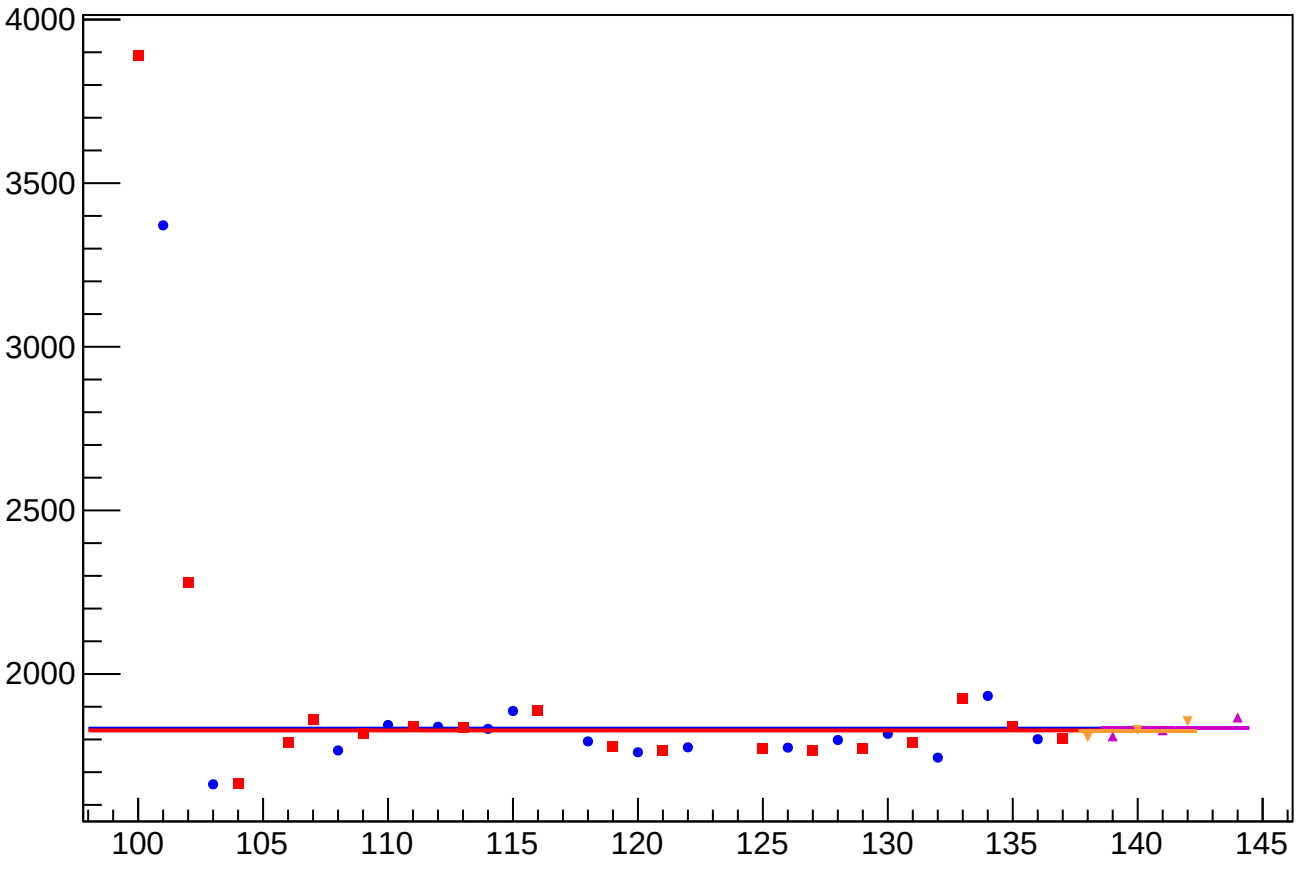
Left: 32.440+/-844.911 χ^2/NDF: 10.9/5

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1252.583+/-588.461 χ^2/NDF:17.9/18

Out: -12.874+/-602.563 χ^2/NDF:13.9/20

All: -647.405+/-421.002 χ^2/NDF: 34.0/39



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

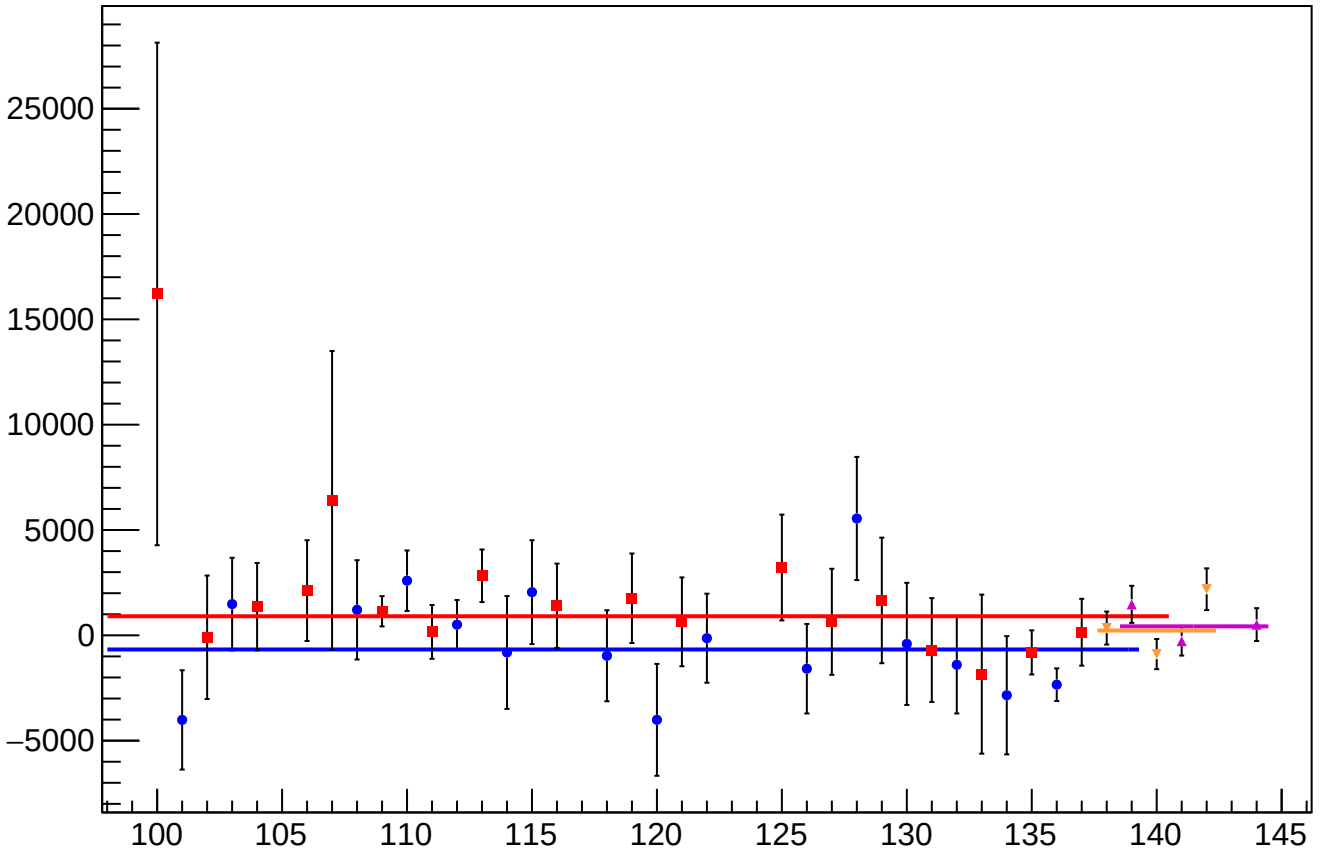
Left: 1830.993+/-0.597 χ^2/NDF: 1340.2/5

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1833.517+/-0.416 χ^2/NDF:296332.8/18

Out: 1827.354+/-0.426 χ^2/NDF:102669.2/20

All: 1830.508+/-0.298 χ^2/NDF: 399109.1/39



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 229.543+/-466.288 χ^2/NDF:6.4/2

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 426.193+/-444.277 χ^2/NDF:2.5/2

Left: 332.619+/-321.652 χ^2/NDF: 8.9/5

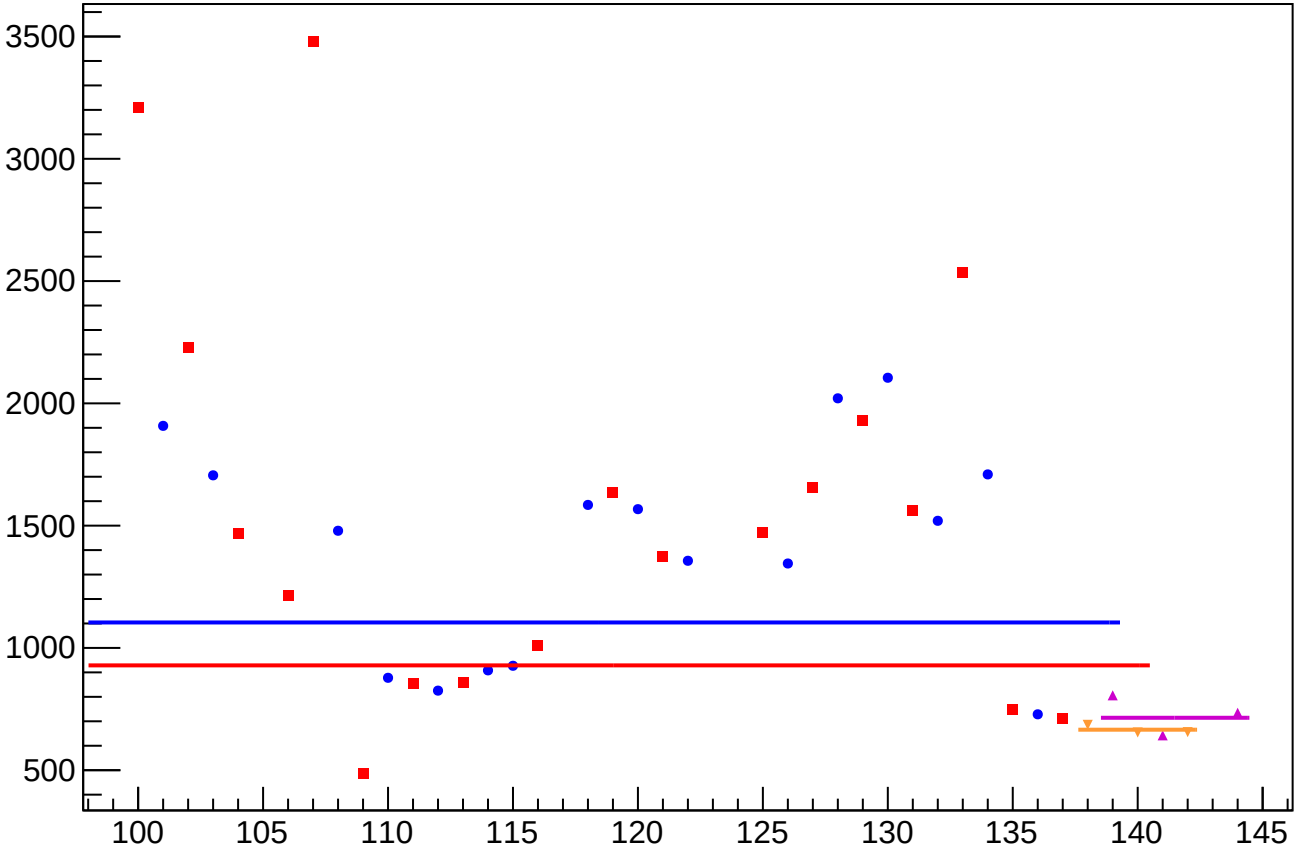
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -124.365+/-313.523 χ^2/NDF:28.3/18

Out: 623.462+/-301.312 χ^2/NDF:18.1/20

All: 264.395+/-217.248 χ^2/NDF: 49.4/39

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: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 714.370+/-0.314 χ^2/NDF:45104.6/2

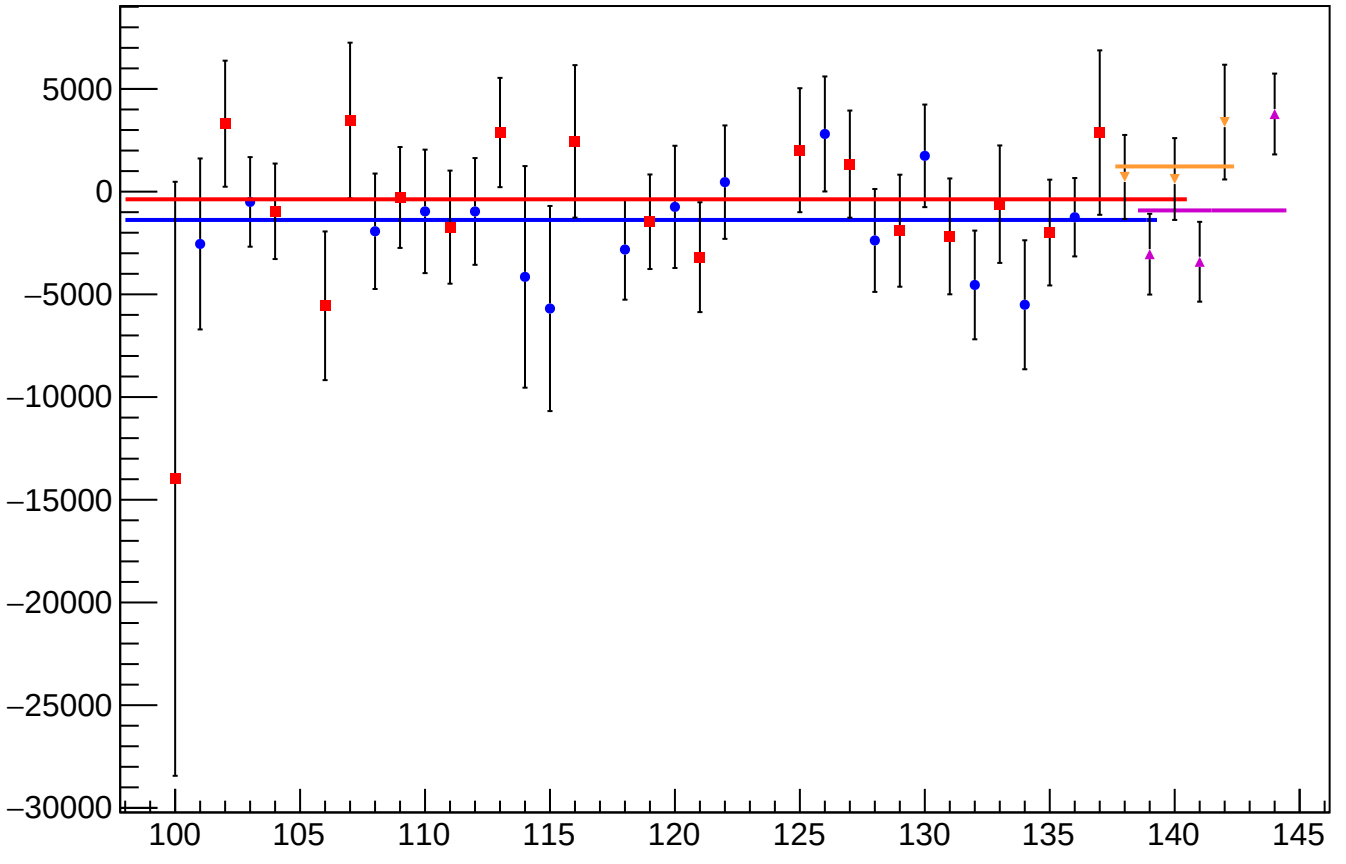
Left: 691.166+/-0.227 χ^2/NDF: 58559.9/5

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 910.015+/-0.222 χ^2/NDF:2712192.8/18

Out: 818.800+/-0.213 χ^2/NDF:3427012.6/20

All: 862.597+/-0.154 χ^2/NDF: 6227209.7/39



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -914.183+/-1131.212 χ^2/NDF:8.5/2

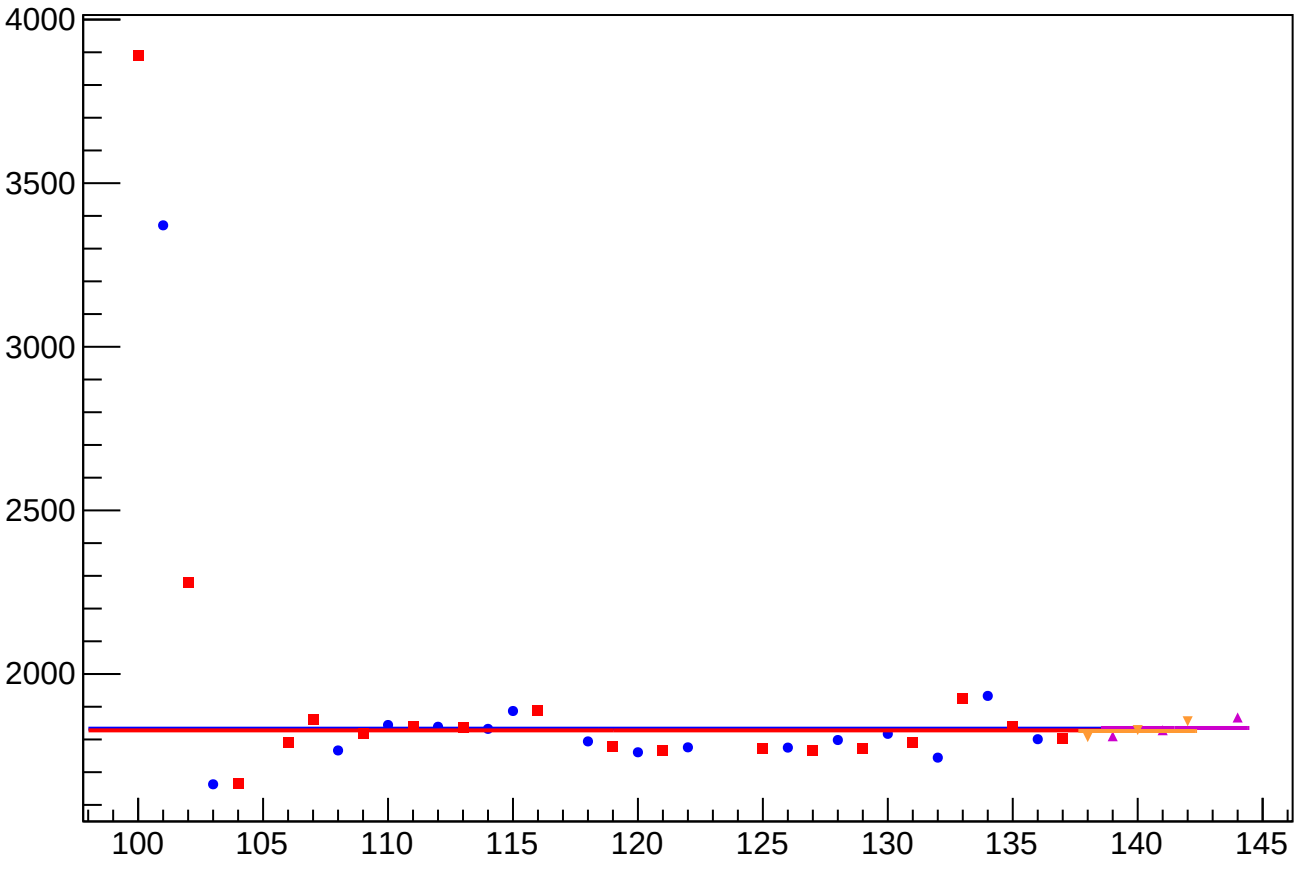
Left: 32.440+/-844.911 χ^2/NDF: 10.9/5

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1252.583+/-588.461 χ^2/NDF:17.9/18

Out: -12.874+/-602.563 χ^2/NDF:13.9/20

All: -647.405+/-421.002 χ^2/NDF: 34.0/39



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1835.055+/-0.800 χ^2/NDF:886.5/2

Left: 1830.993+/-0.597 χ^2/NDF: 1340.2/5

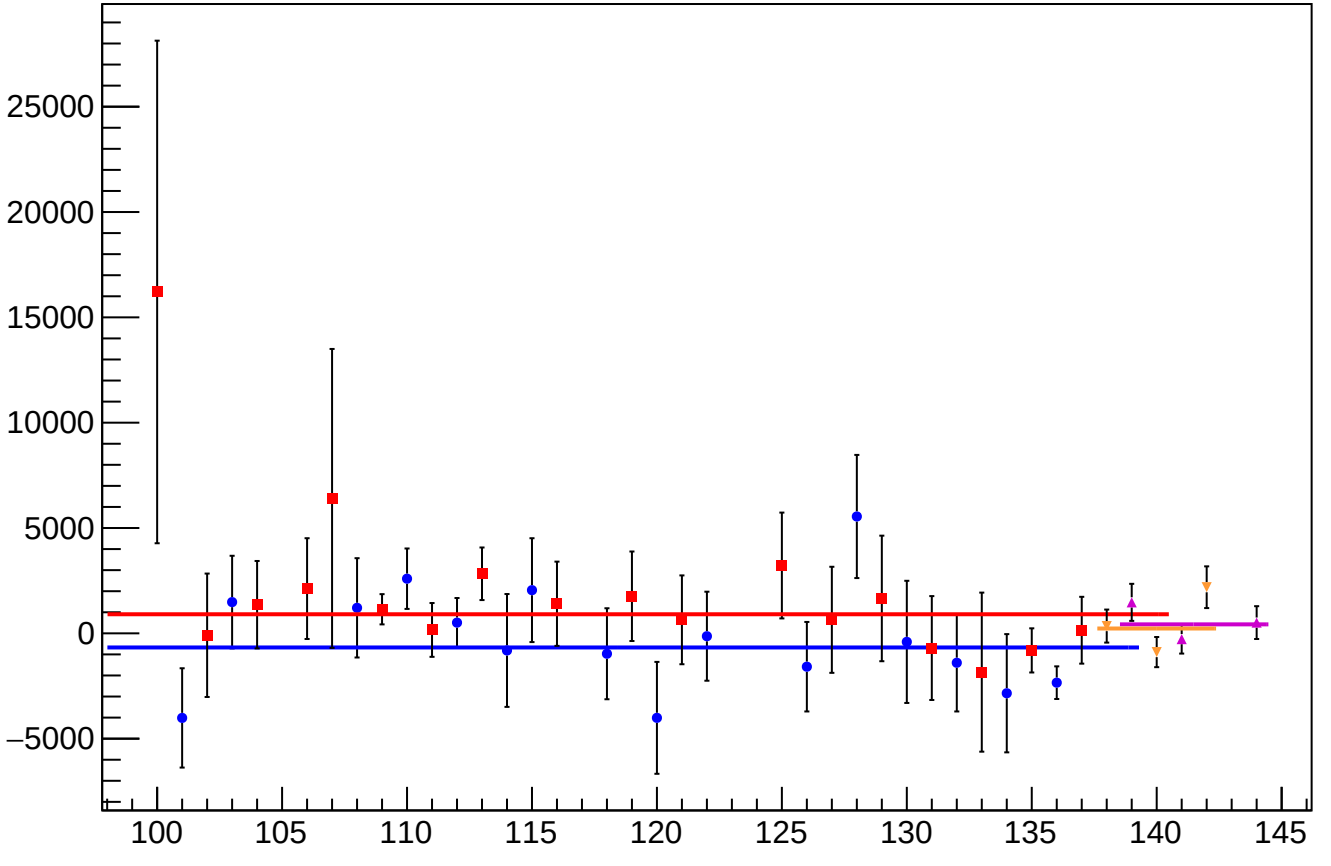
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1833.517+/-0.416 χ^2/NDF:296332.8/18

Out: 1827.354+/-0.426 χ^2/NDF:102669.2/20

All: 1830.508+/-0.298 χ^2/NDF: 399109.1/39

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: 229.543+/-466.288 χ^2/NDF:6.4/2

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 426.193+/-444.277 χ^2/NDF:2.5/2

Left: 332.619+/-321.652 χ^2/NDF: 8.9/5

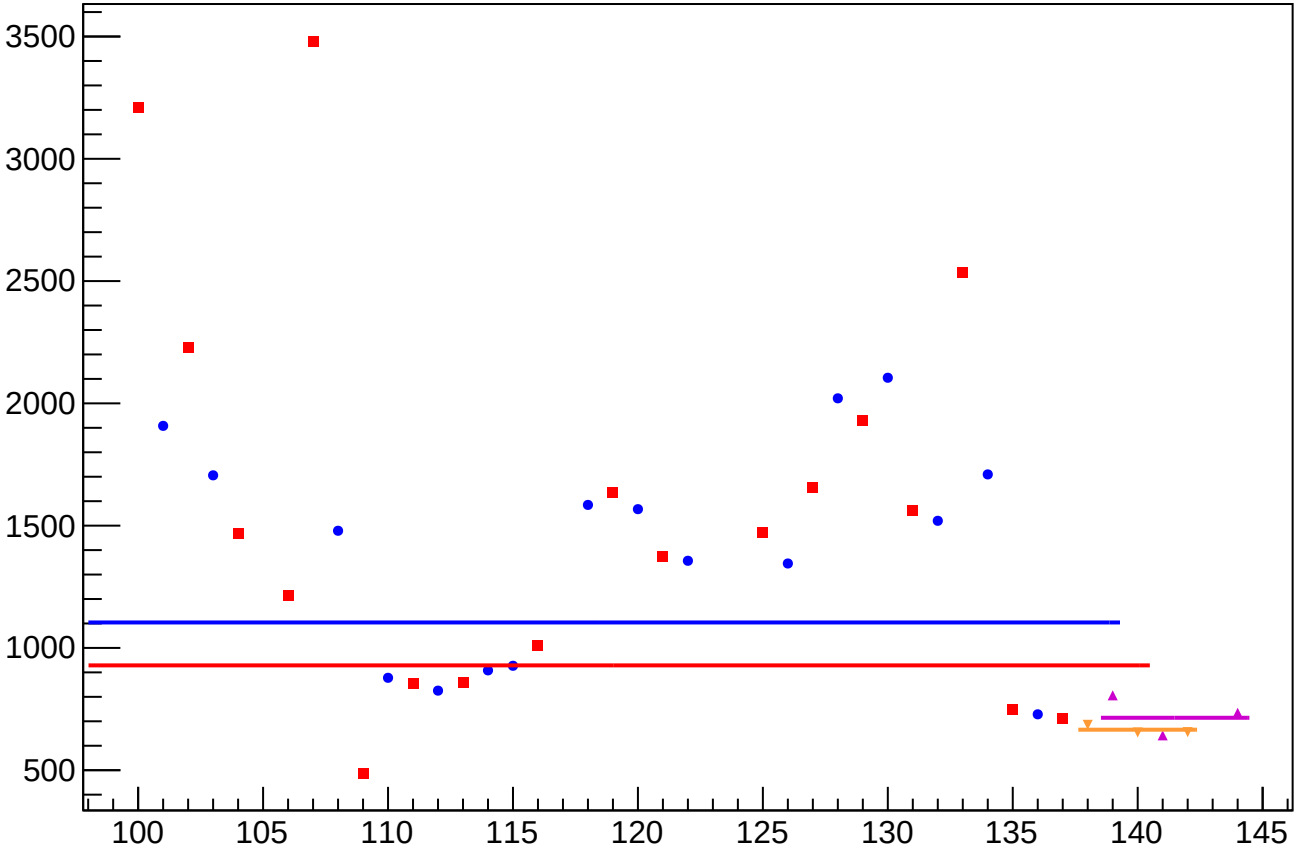
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -124.365+/-313.523 χ^2/NDF:28.3/18

Out: 623.462+/-301.312 χ^2/NDF:18.1/20

All: 264.395+/-217.248 χ^2/NDF: 49.4/39

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: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 714.370+/-0.314 χ^2/NDF:45104.6/2

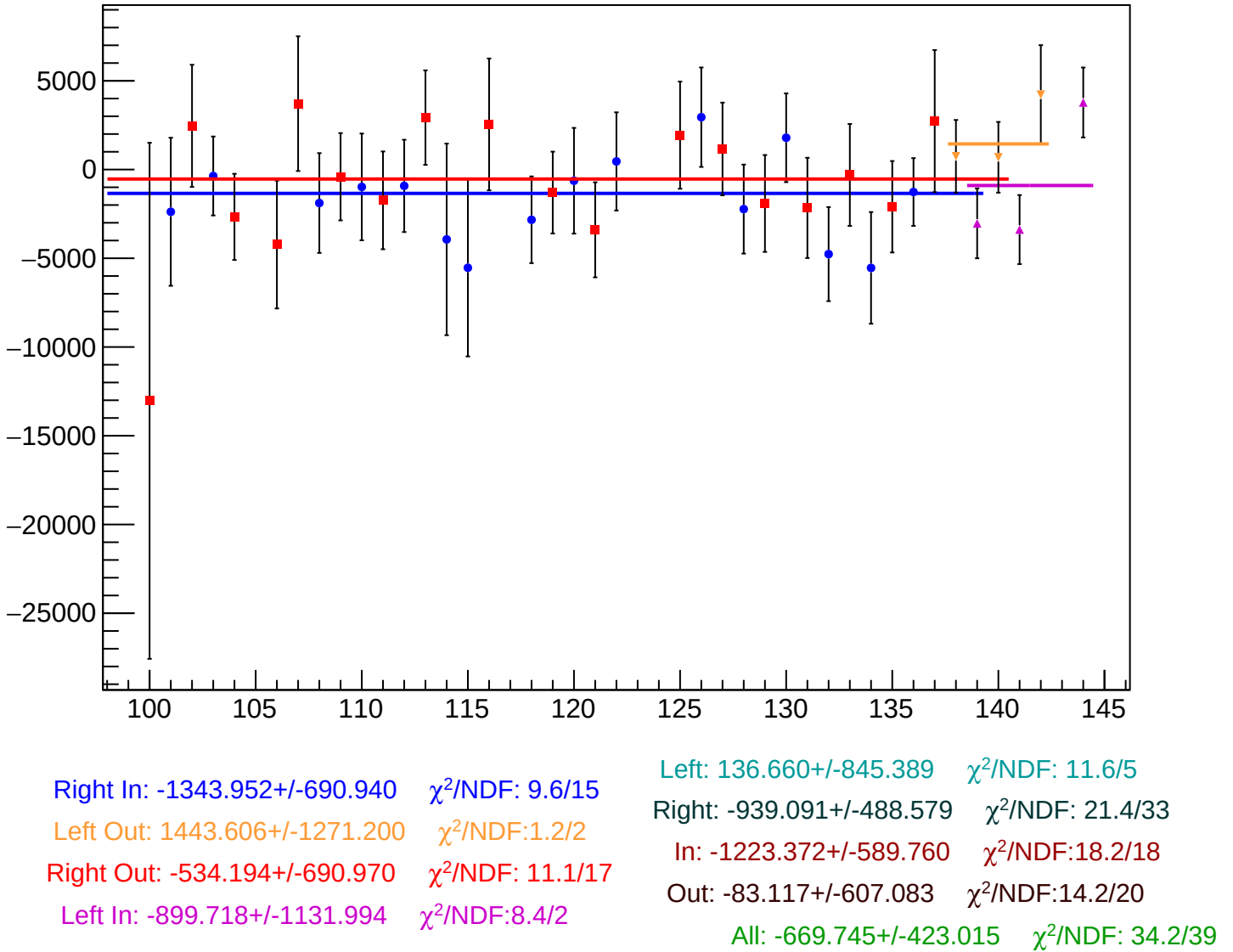
Left: 691.166+/-0.227 χ^2/NDF: 58559.9/5

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

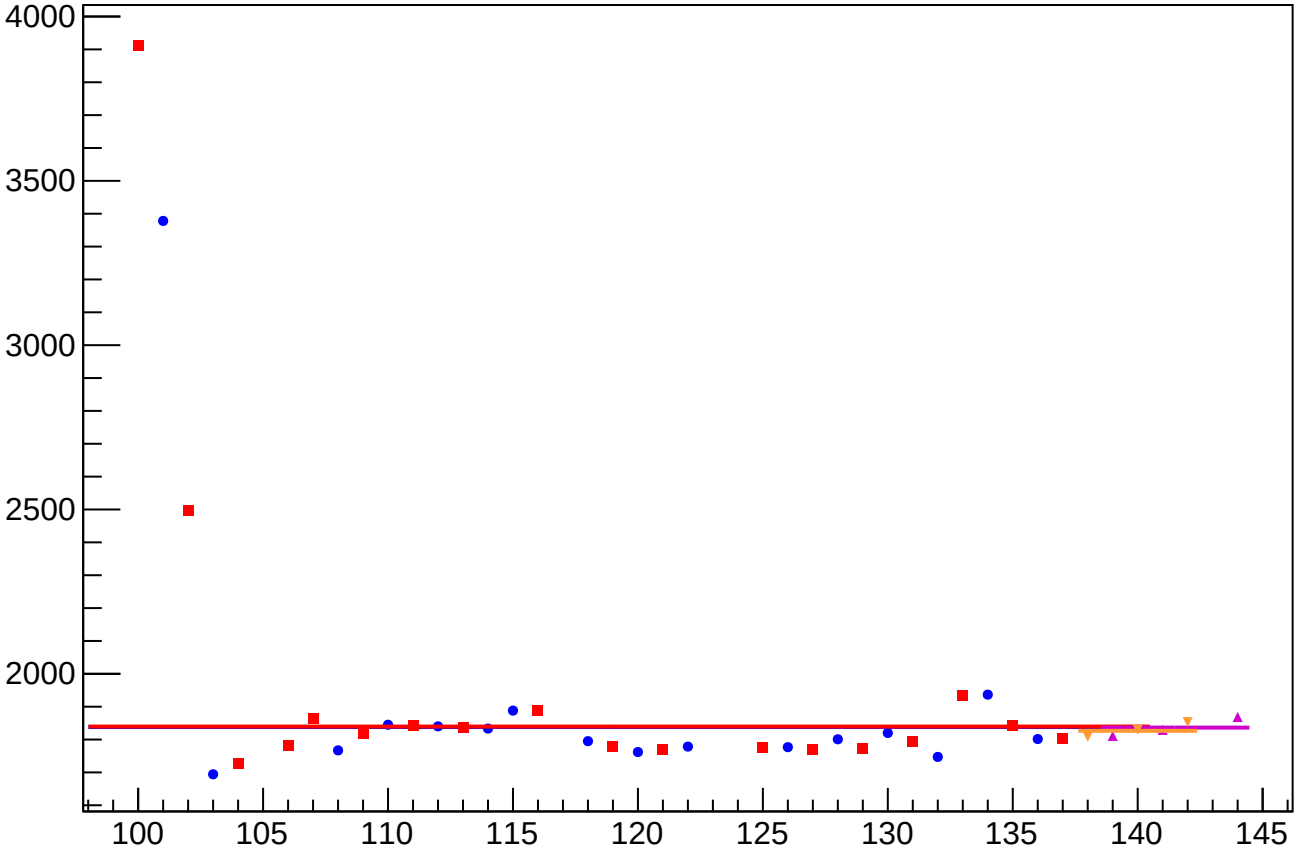
In: 910.015+/-0.222 χ^2/NDF:2712192.8/18

Out: 818.800+/-0.213 χ^2/NDF:3427012.6/20

All: 862.597+/-0.154 χ^2/NDF: 6227209.7/39


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: 1443.606+/-1271.200 χ²/NDF:1.2/2
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -899.718+/-1131.994 χ²/NDF:8.4/2
Left: 136.660+/-845.389 χ²/NDF: 11.6/5
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1223.372+/-589.760 χ²/NDF:18.2/18
Out: -83.117+/-607.083 χ²/NDF:14.2/20
All: -669.745+/-423.015 χ²/NDF: 34.2/39

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF:334.3/2

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1836.318+/-0.800 χ^2/NDF:887.1/2

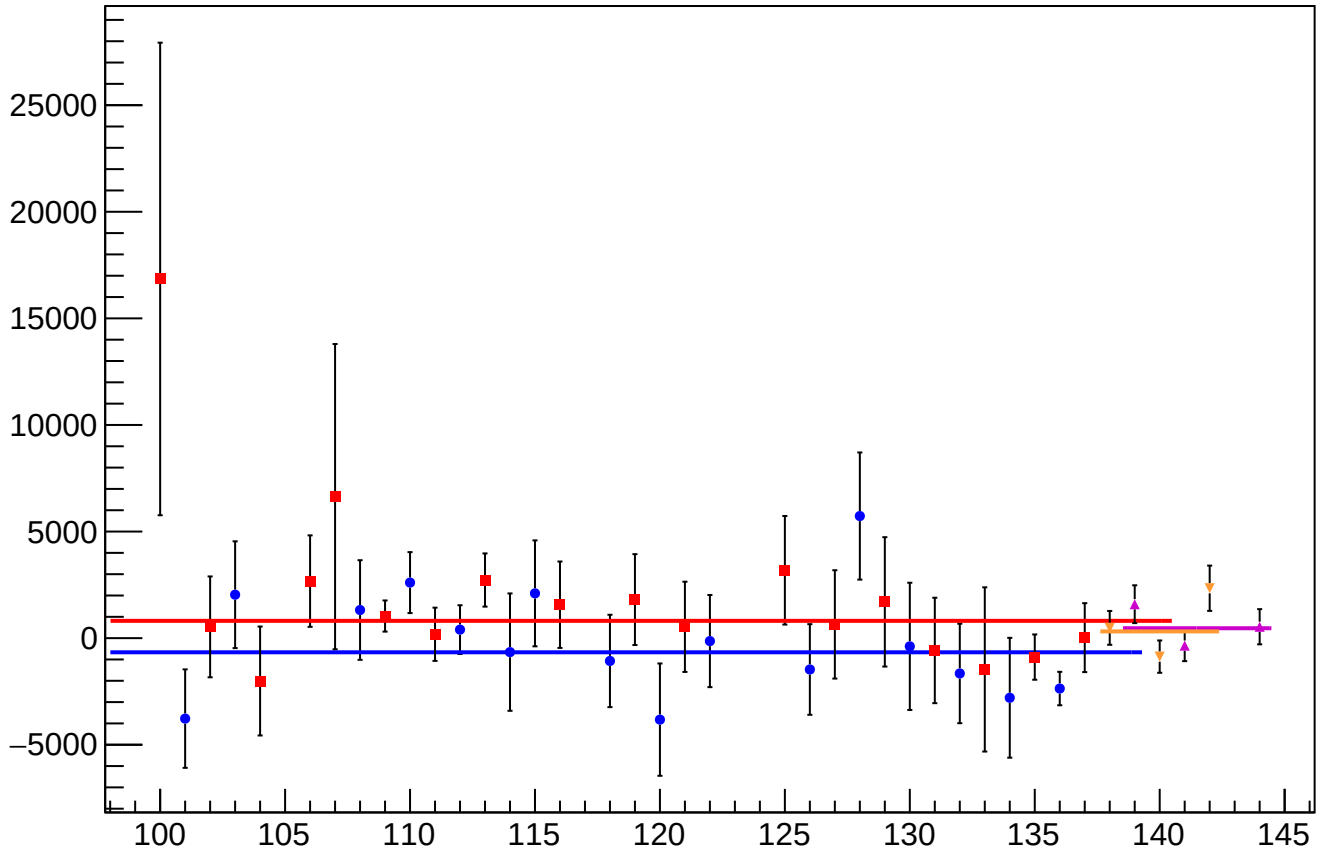
Left: 1831.999+/-0.598 χ^2/NDF: 1287.3/5

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1837.659+/-0.417 χ^2/NDF:292875.0/18

Out: 1836.560+/-0.429 χ^2/NDF:128748.4/20

All: 1837.126+/-0.299 χ^2/NDF: 421626.8/39



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 315.994+/-486.843 χ^2/NDF:6.1/2

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 464.753+/-464.886 χ^2/NDF:2.9/2

Left: 393.804+/-336.218 χ^2/NDF: 9.0/5

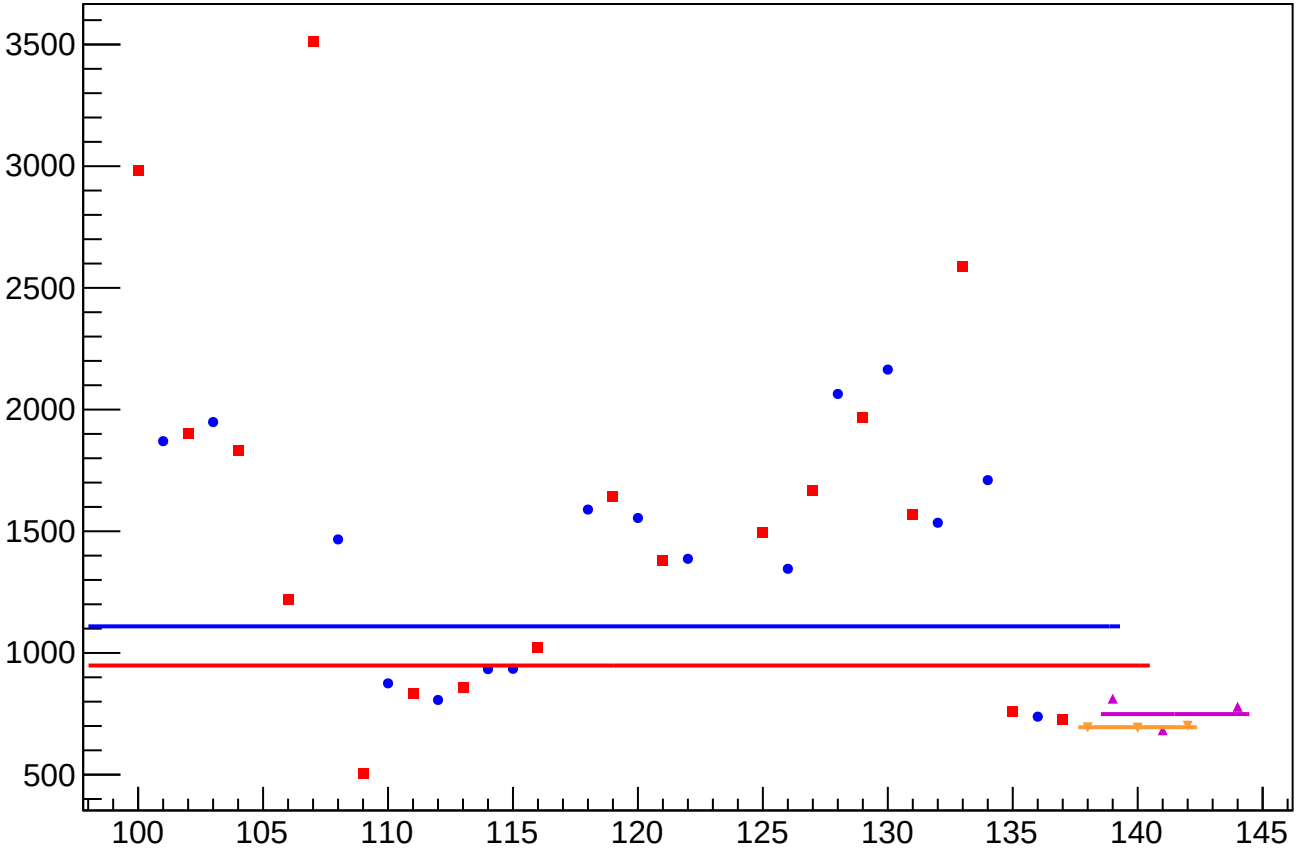
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -122.873+/-321.803 χ^2/NDF:28.7/18

Out: 613.901+/-307.758 χ^2/NDF:19.0/20

All: 261.942+/-222.417 χ^2/NDF: 50.4/39

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 695.001+/-0.344 χ^2/NDF:79.9/2

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 748.870+/-0.329 χ^2/NDF:29499.0/2

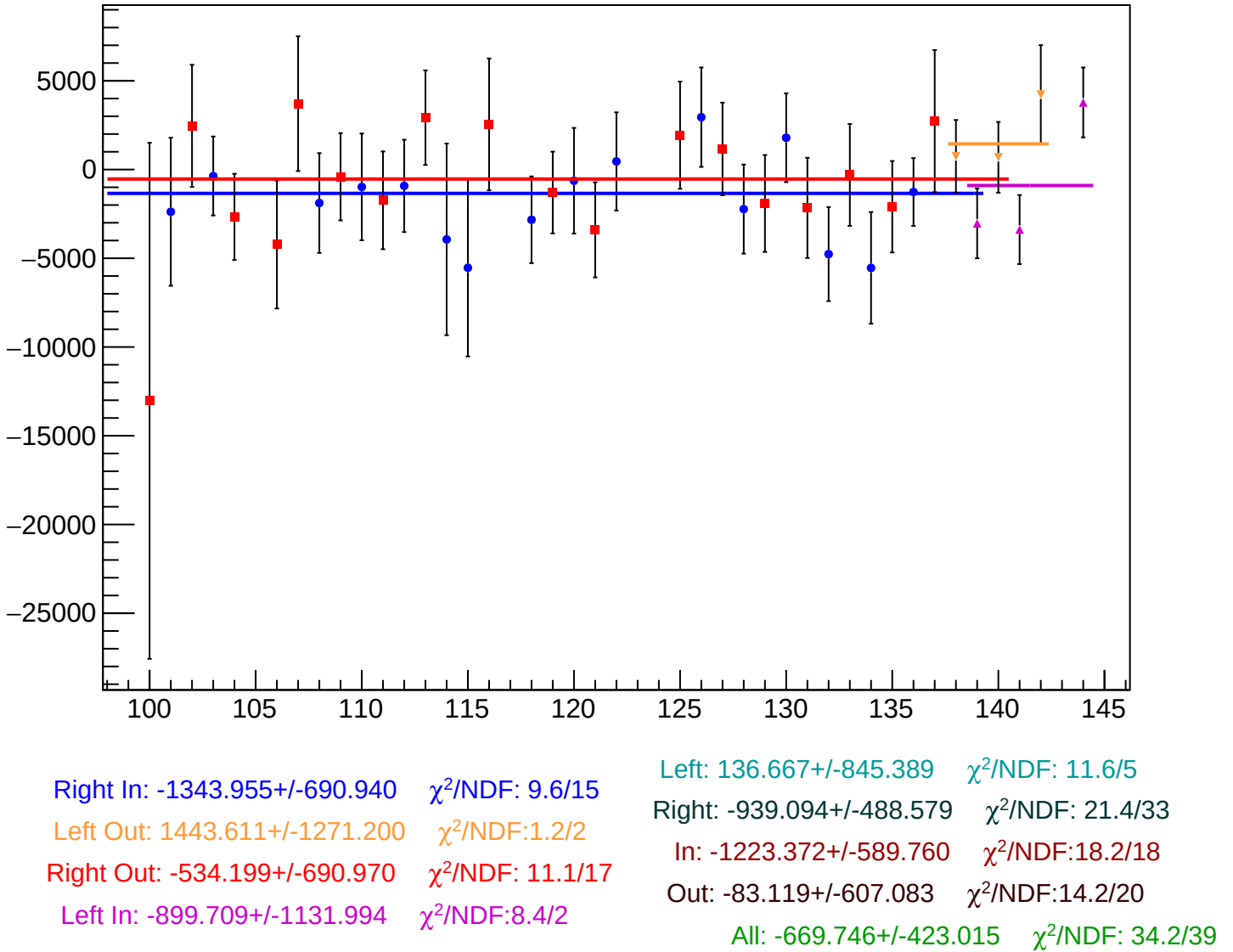
Left: 723.178+/-0.238 χ^2/NDF: 42387.0/5

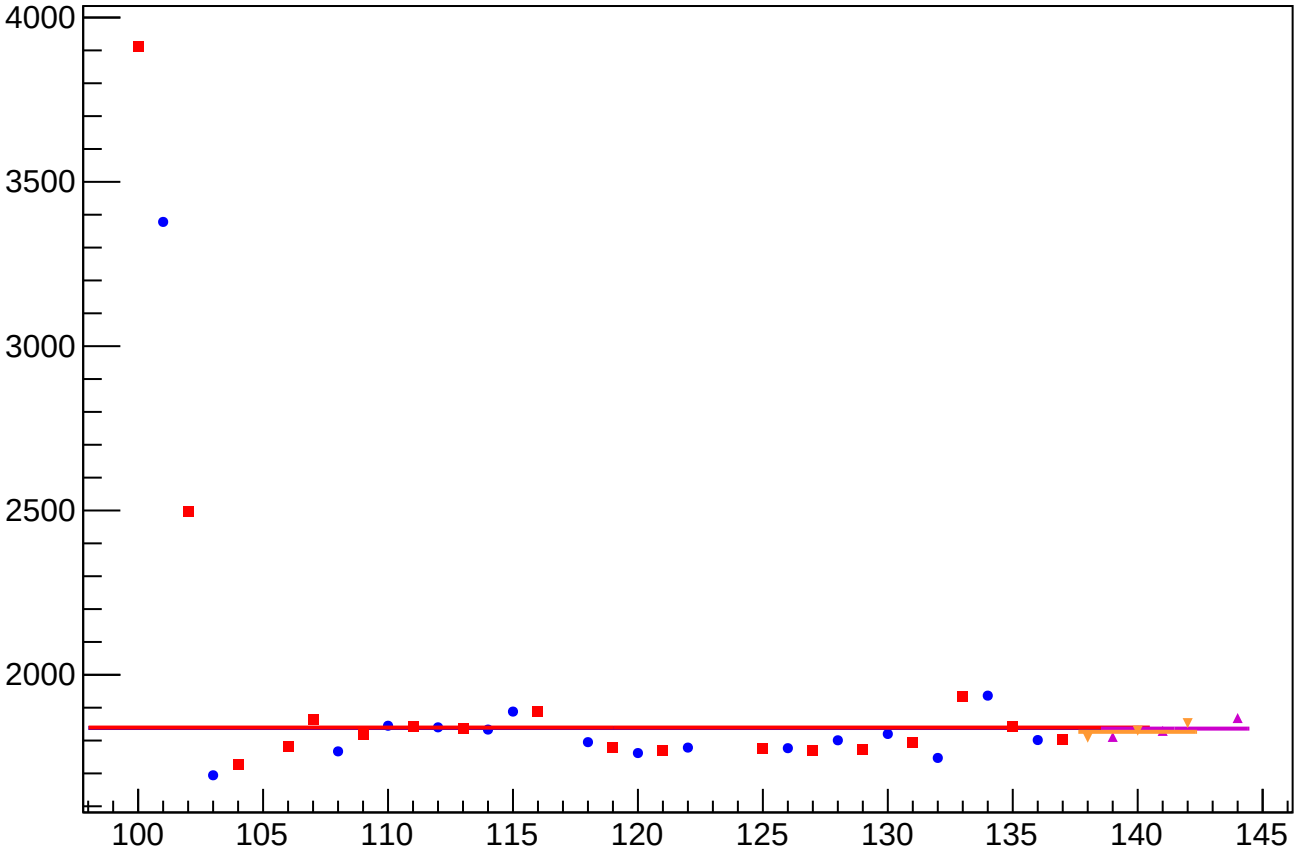
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 936.626+/-0.228 χ^2/NDF:2629225.5/18

Out: 847.161+/-0.218 χ^2/NDF:3379154.8/20

All: 889.899+/-0.157 χ^2/NDF: 6089118.0/39


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
145
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: 1443.611+/-1271.200 χ²/NDF:1.2/2
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -899.709+/-1131.994 χ²/NDF:8.4/2
Left: 136.667+/-845.389 χ²/NDF: 11.6/5
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1223.372+/-589.760 χ²/NDF:18.2/18
Out: -83.119+/-607.083 χ²/NDF:14.2/20
All: -669.746+/-423.015 χ²/NDF: 34.2/39



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF:334.3/2

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1836.318+/-0.800 χ^2/NDF:887.1/2

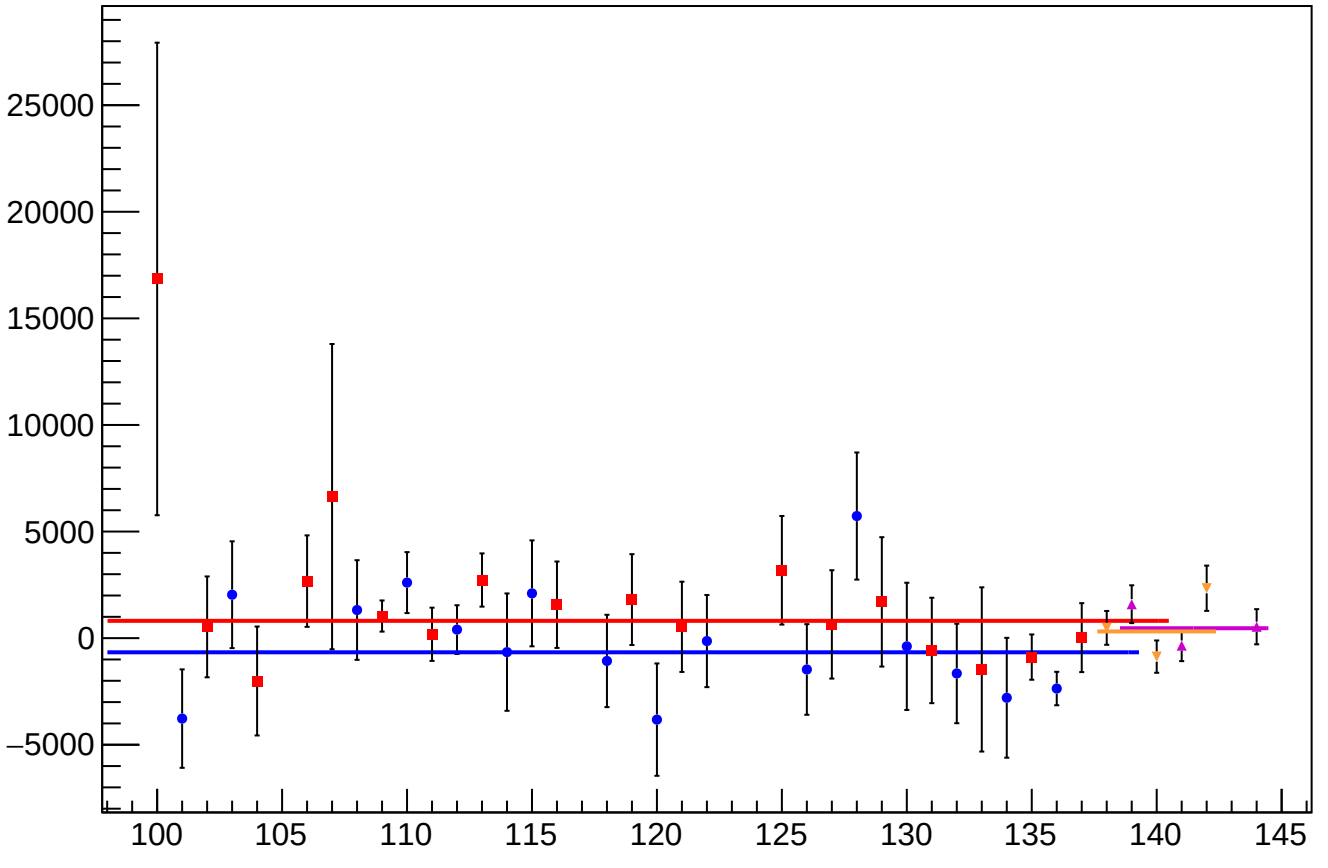
Left: 1831.999+/-0.598 χ^2/NDF: 1287.3/5

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1837.659+/-0.417 χ^2/NDF:292875.0/18

Out: 1836.561+/-0.429 χ^2/NDF:128748.5/20

All: 1837.126+/-0.299 χ^2/NDF: 421626.8/39



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 315.999+/-486.848 χ^2/NDF:6.1/2

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 464.748+/-464.889 χ^2/NDF:2.9/2

Left: 393.804+/-336.221 χ^2/NDF: 9.0/5

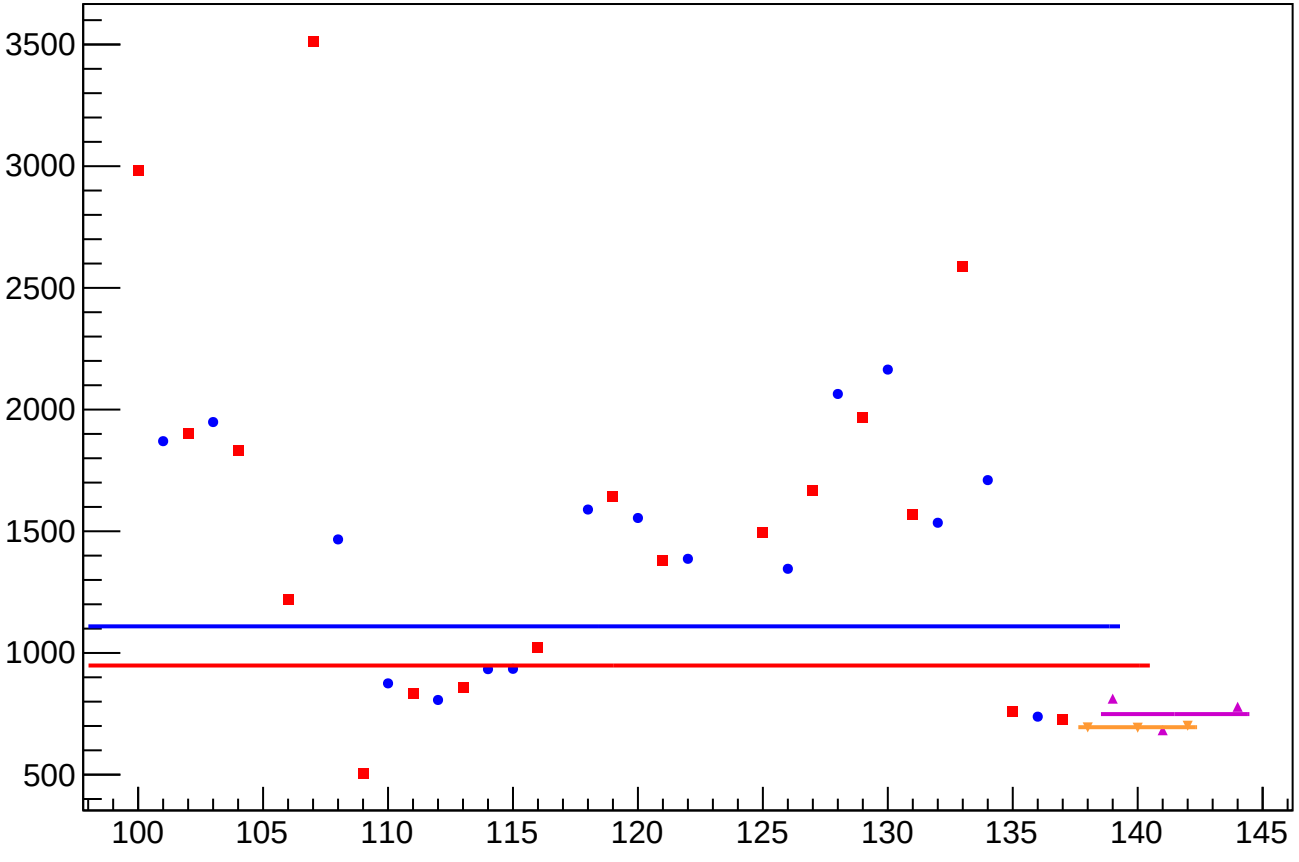
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -122.871+/-321.804 χ^2/NDF:28.7/18

Out: 613.909+/-307.760 χ^2/NDF:19.0/20

All: 261.947+/-222.418 χ^2/NDF: 50.4/39

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: 695.008+/-0.344 χ^2/NDF:79.8/2

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 748.875+/-0.329 χ^2/NDF:29502.8/2

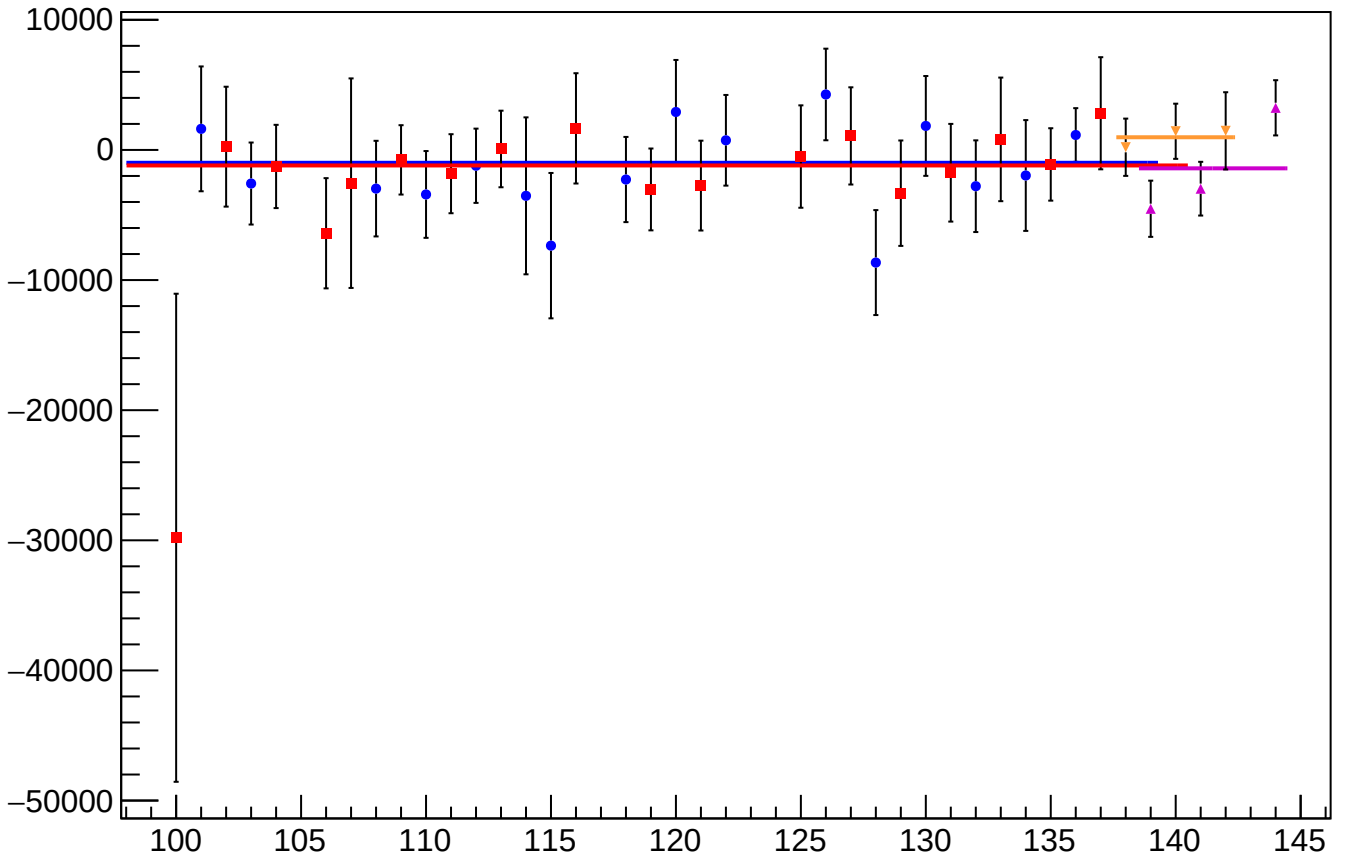
Left: 723.184+/-0.238 χ^2/NDF: 42389.2/5

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 936.631+/-0.228 χ^2/NDF:2629178.9/18

Out: 847.166+/-0.218 χ^2/NDF:3379111.8/20

All: 889.904+/-0.157 χ^2/NDF: 6089026.5/39



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 974.420+/-1357.636 χ^2/NDF:0.2/2

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1414.187+/-1220.540 χ^2/NDF:7.5/2

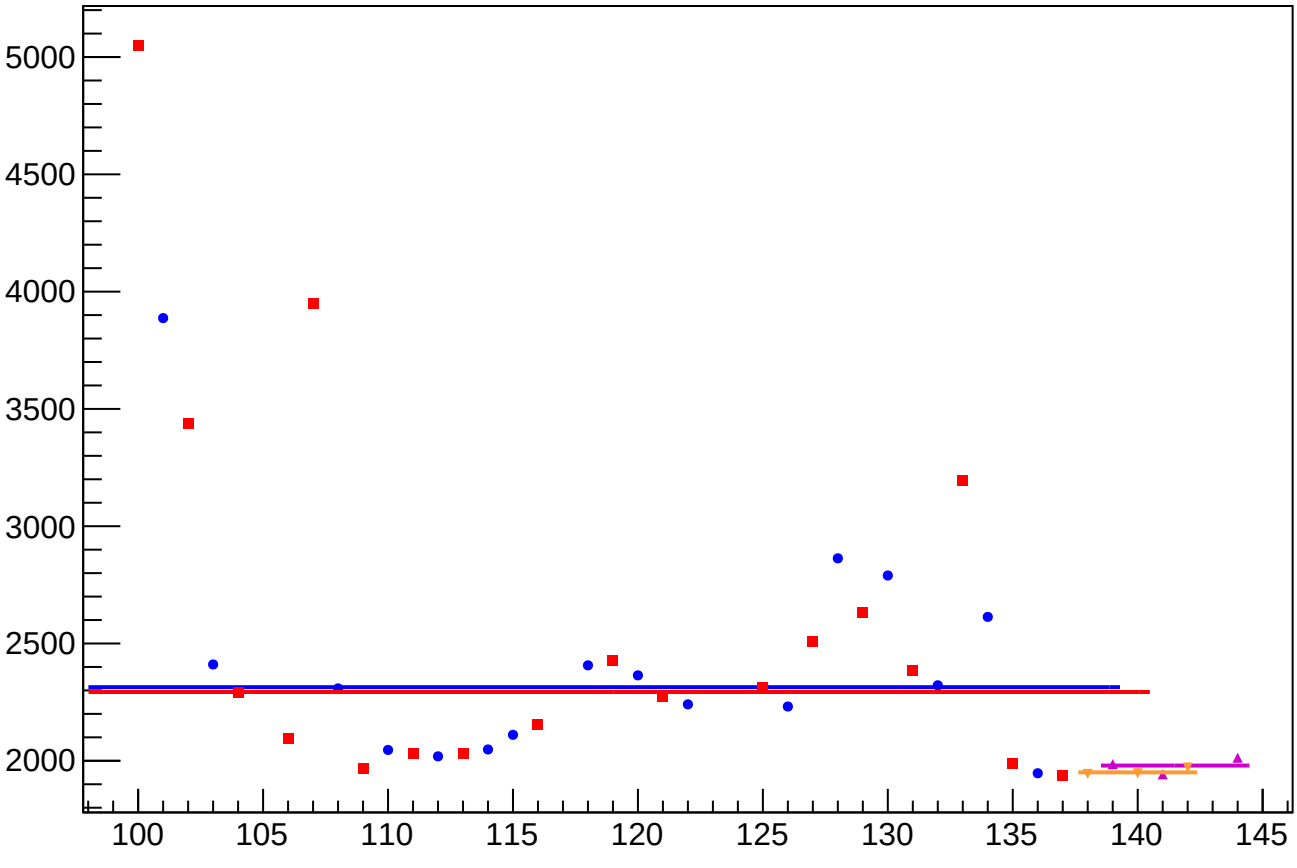
Left: -346.541+/-907.663 χ^2/NDF: 9.4/5

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1132.116+/-710.515 χ^2/NDF:19.5/18

Out: -561.018+/-732.761 χ^2/NDF:9.0/20

All: -855.368+/-510.093 χ^2/NDF: 28.8/39



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1950.736+/-0.960 χ^2/NDF:121.7/2

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1979.689+/-0.863 χ^2/NDF:1174.0/2

Left: 1966.748+/-0.642 χ^2/NDF: 1798.7/5

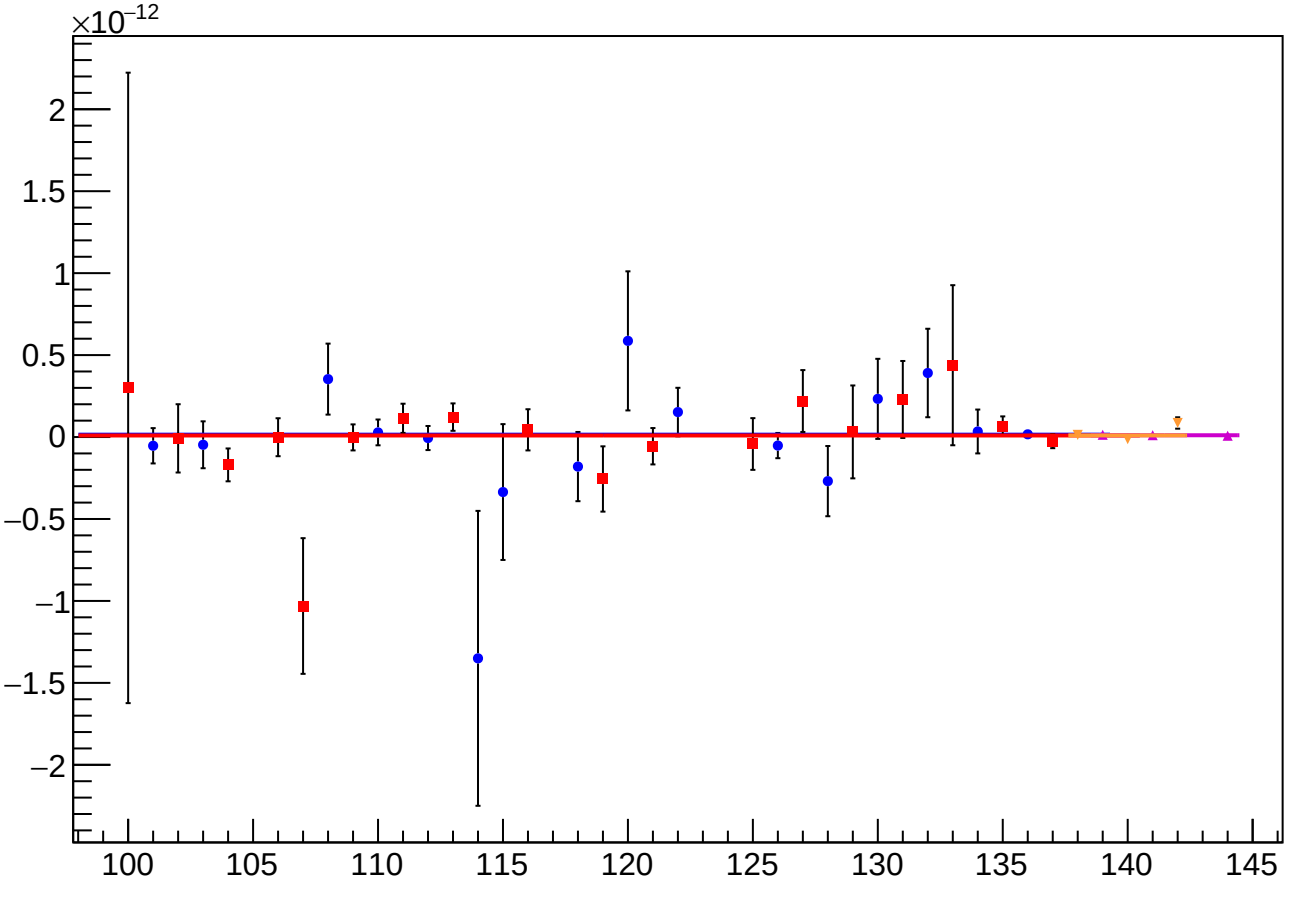
Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2200.539+/-0.502 χ^2/NDF:502976.3/18

Out: 2193.489+/-0.518 χ^2/NDF:543551.2/20

All: 2197.123+/-0.361 χ^2/NDF: 1046622.8/39

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/2

Left: 0.000+/-0.000 χ^2/NDF: 6.5/5

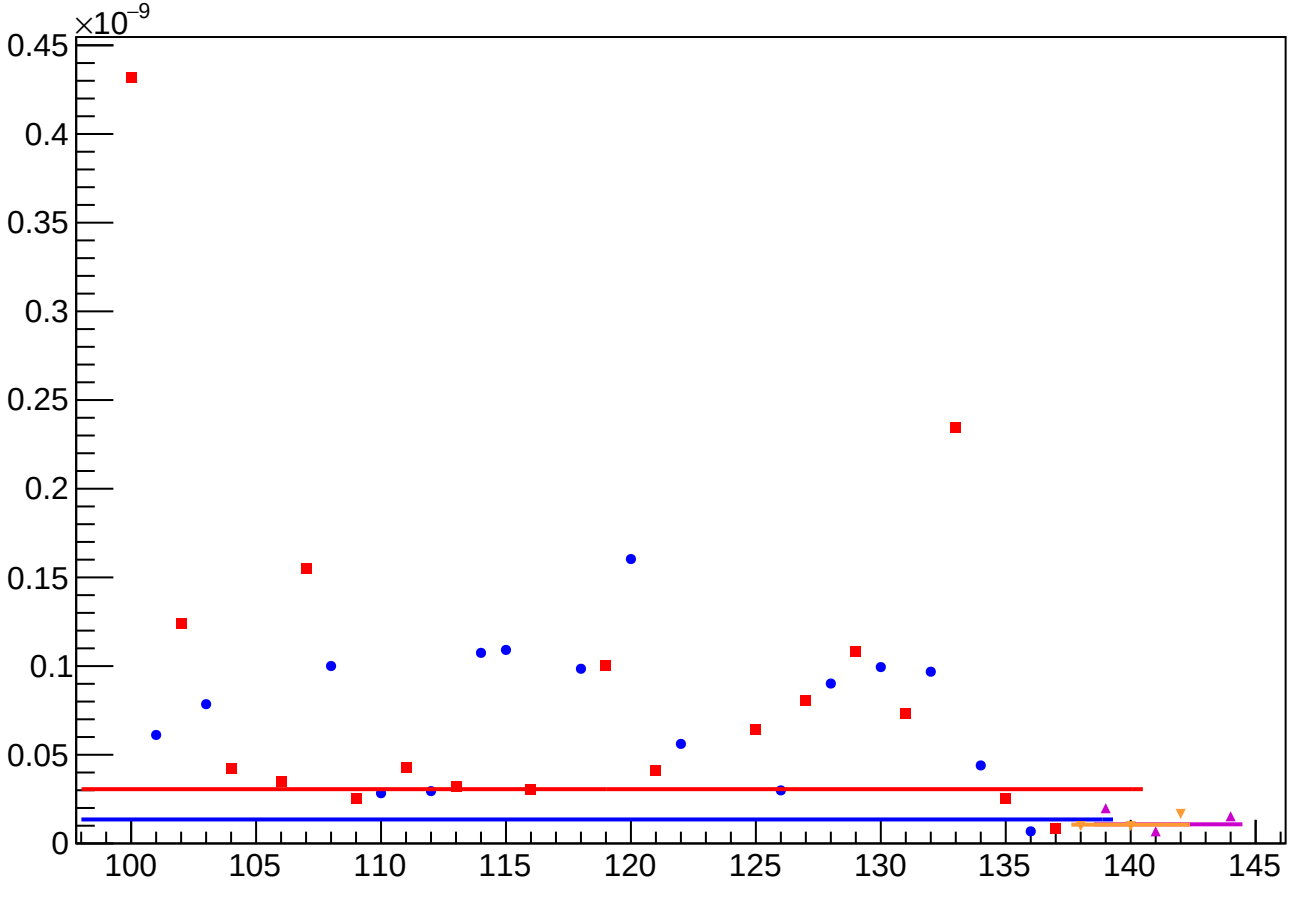
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.0/18

Out: 0.000+/-0.000 χ^2/NDF:25.9/20

All: 0.000+/-0.000 χ^2/NDF: 41.0/39

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:68592.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:412735.8/2

Left: 0.000+/-0.000 χ^2/NDF: 481594.6/5

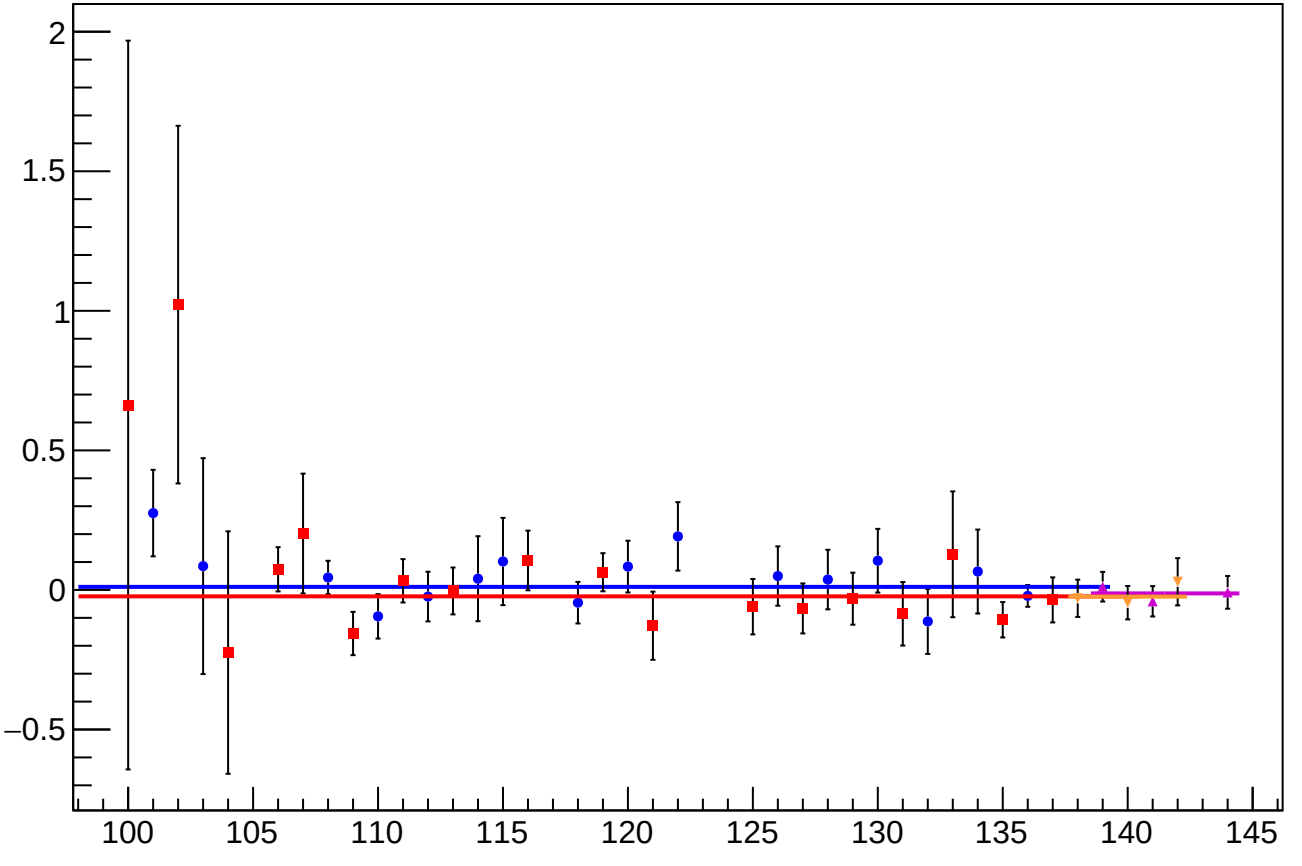
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3875149.3/18

Out: 0.000+/-0.000 χ^2/NDF:3519581.8/20

All: 0.000+/-0.000 χ^2/NDF: 7473123.5/39

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: -0.024+/-0.039 χ^2/NDF:0.5/2

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.012+/-0.032 χ^2/NDF:0.5/2

Left: -0.017+/-0.025 χ^2/NDF: 1.1/5

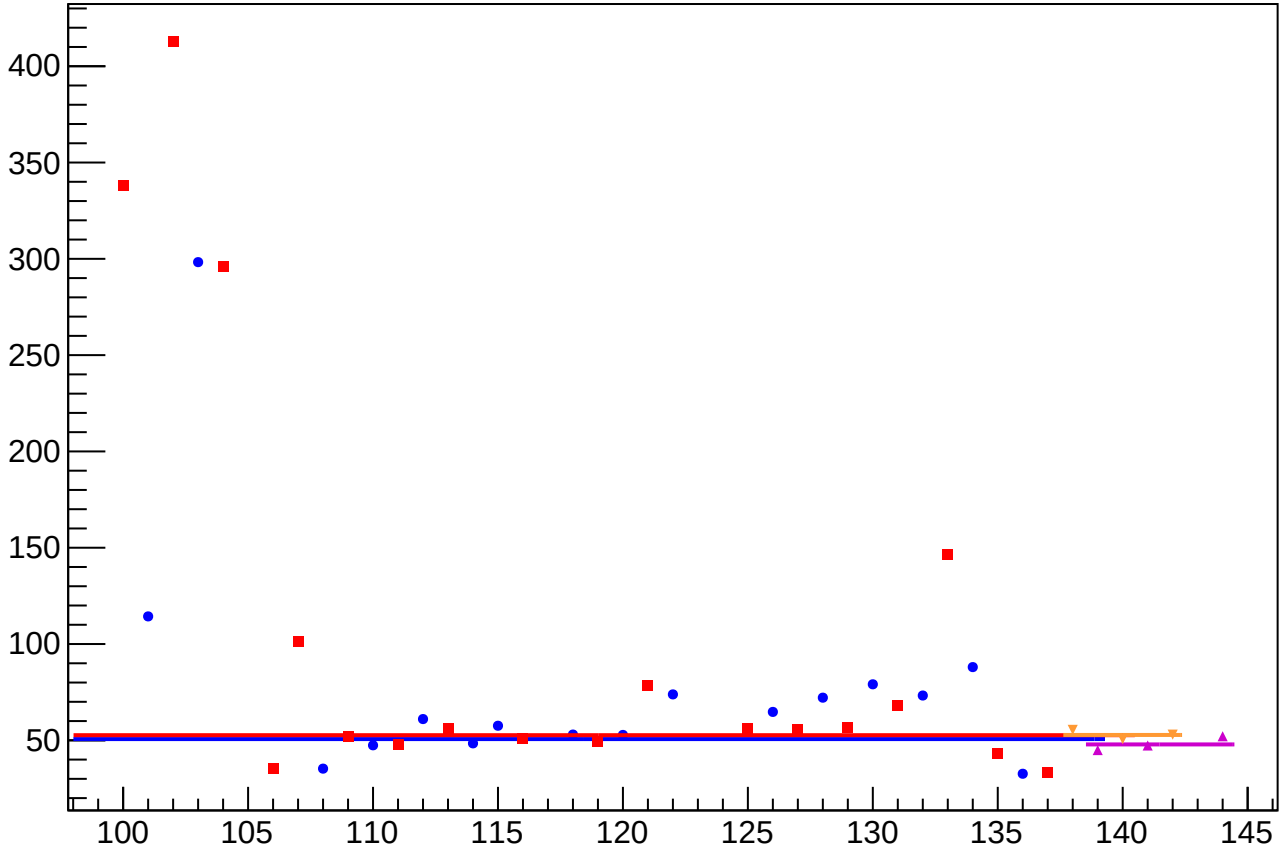
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.018 χ^2/NDF:12.6/18

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.013 χ^2/NDF: 30.1/39

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.788+/-0.028 χ^2/NDF:5841.3/2

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.873+/-0.023 χ^2/NDF:16732.5/2

Left: 49.815+/-0.018 χ^2/NDF: 41356.6/5

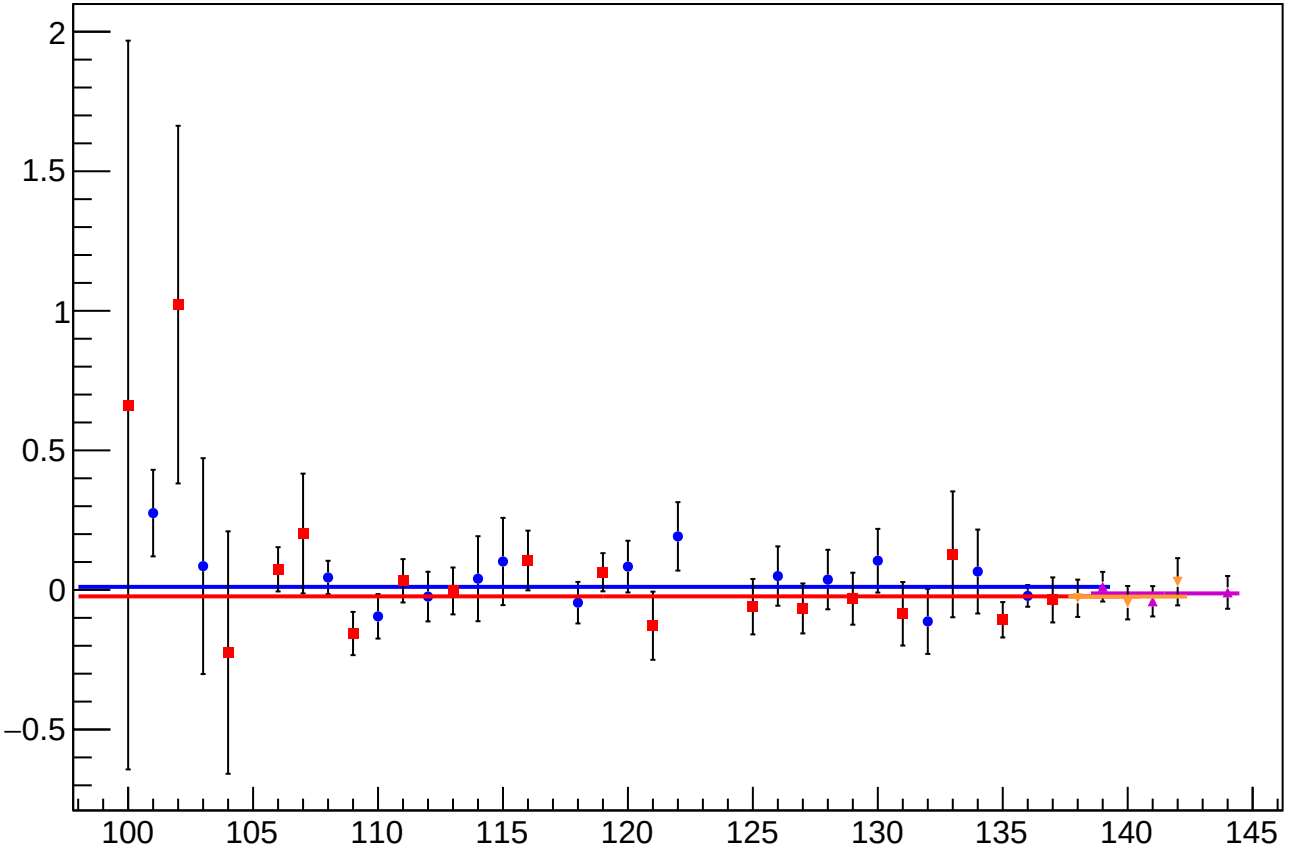
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.758+/-0.013 χ^2/NDF:2293458.8/18

Out: 52.697+/-0.014 χ^2/NDF:2217793.7/20

All: 51.081+/-0.009 χ^2/NDF: 4535149.8/39

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: -0.024+/-0.039 χ^2/NDF:0.5/2

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.012+/-0.032 χ^2/NDF:0.5/2

Left: -0.017+/-0.025 χ^2/NDF: 1.1/5

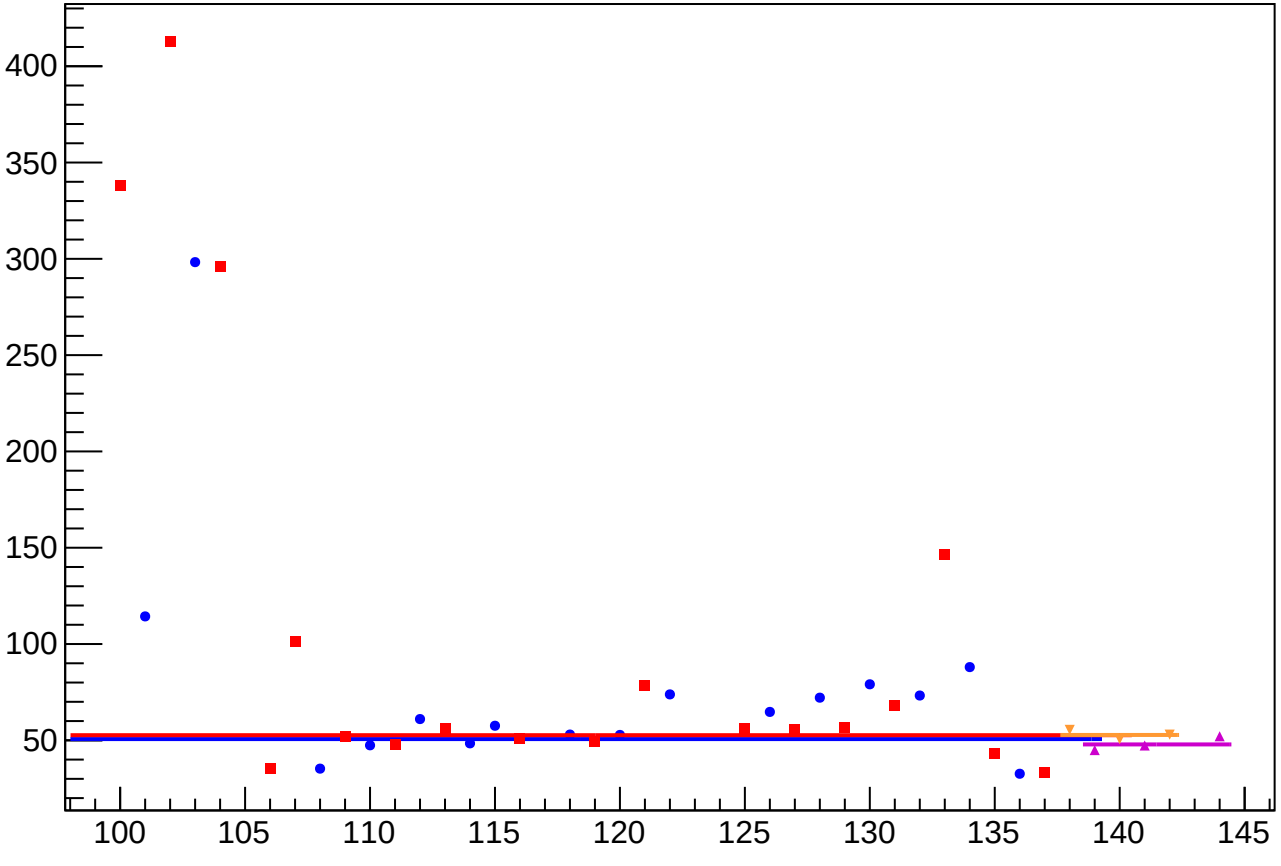
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.018 χ^2/NDF:12.6/18

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.013 χ^2/NDF: 30.1/39

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: 52.788+/-0.028 χ^2/NDF:5841.3/2

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.873+/-0.023 χ^2/NDF:16732.5/2

Left: 49.815+/-0.018 χ^2/NDF: 41356.6/5

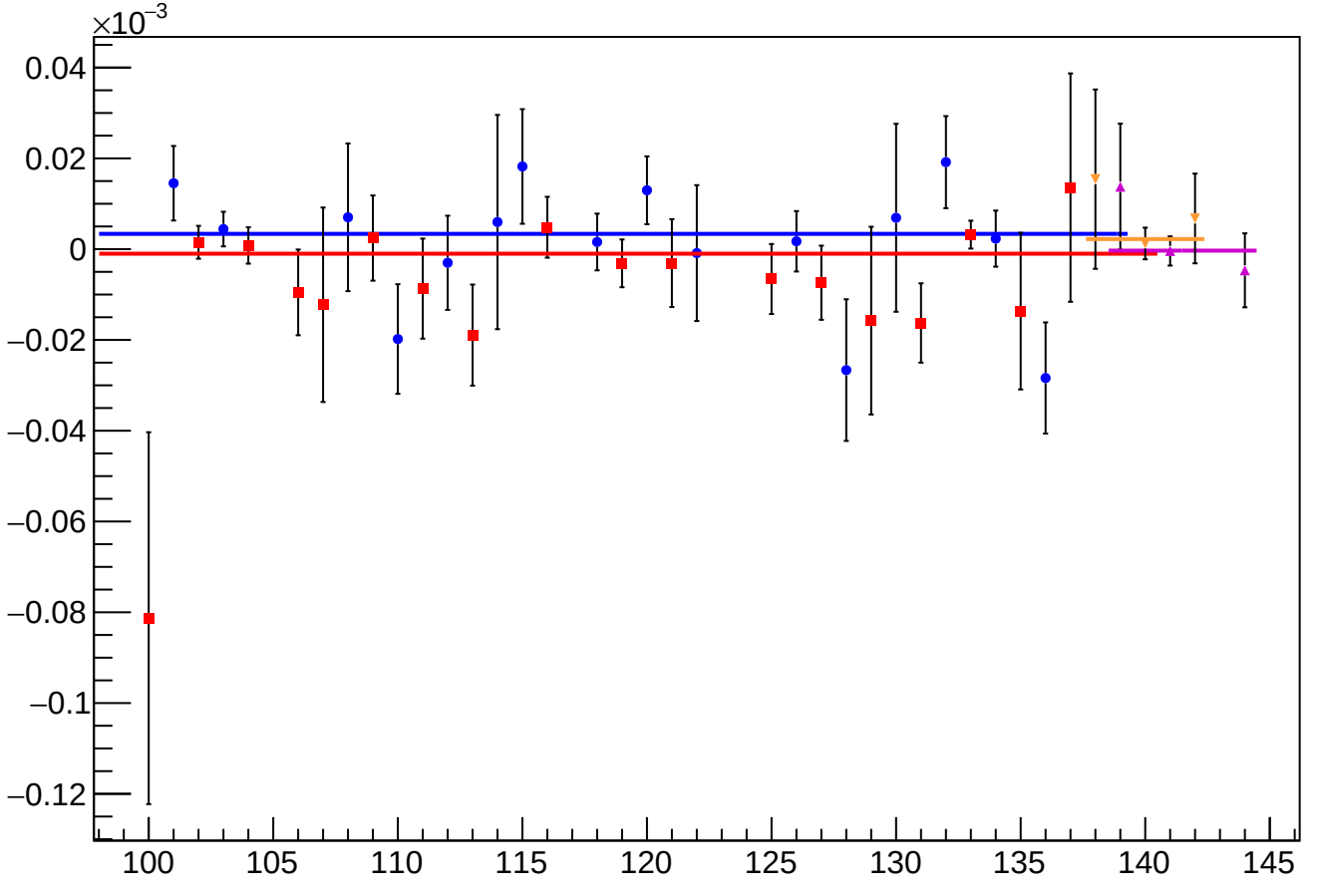
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.758+/-0.013 χ^2/NDF:2293458.8/18

Out: 52.697+/-0.014 χ^2/NDF:2217793.7/20

All: 51.081+/-0.009 χ^2/NDF: 4535149.8/39

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

Left: 0.000+/-0.000 χ^2/NDF: 2.4/5

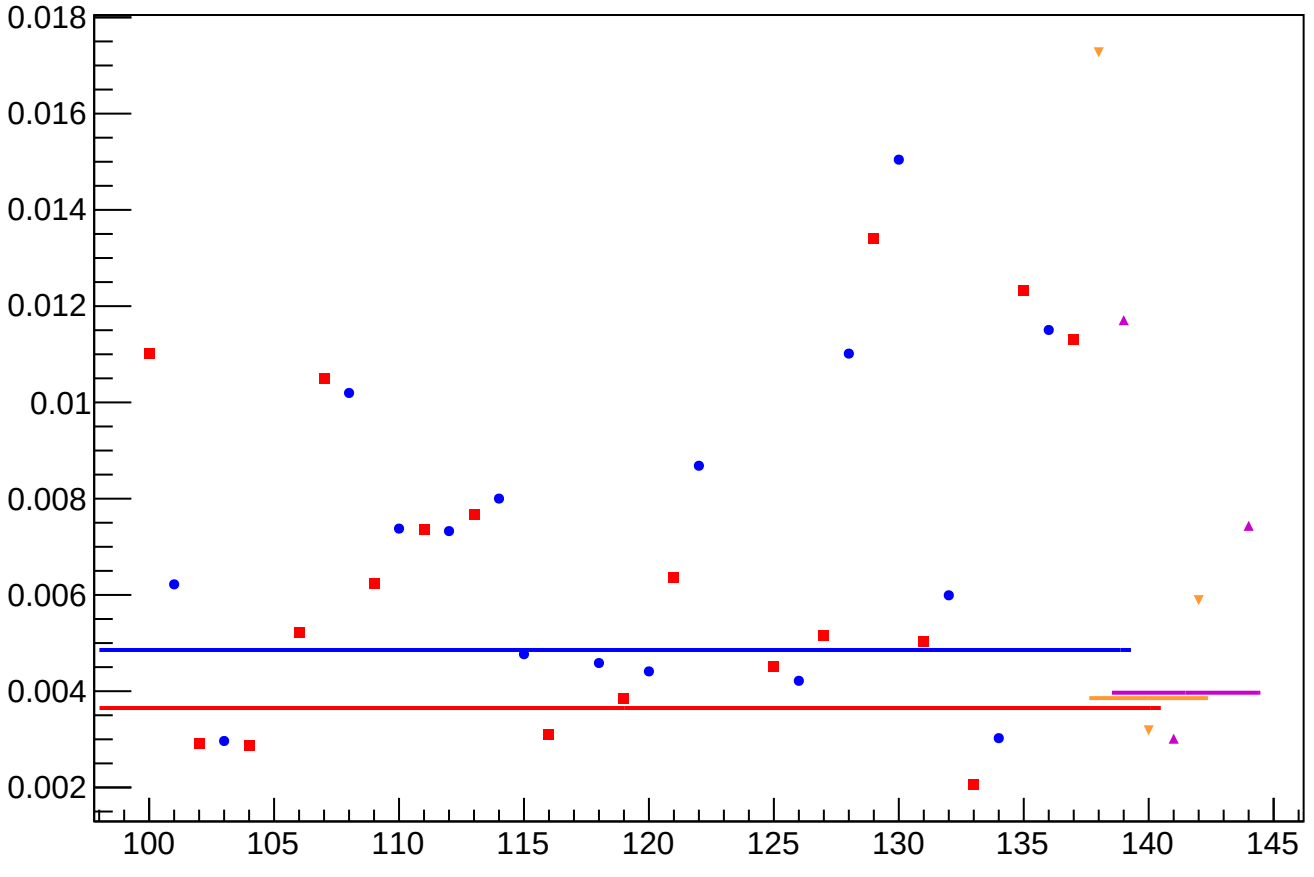
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.6/18

Out: -0.000+/-0.000 χ^2/NDF:18.8/20

All: 0.000+/-0.000 χ^2/NDF: 44.7/39

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1081737.2/2

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1161314.6/2

Left: 0.004+/-0.000 χ^2/NDF: 2244383.7/5

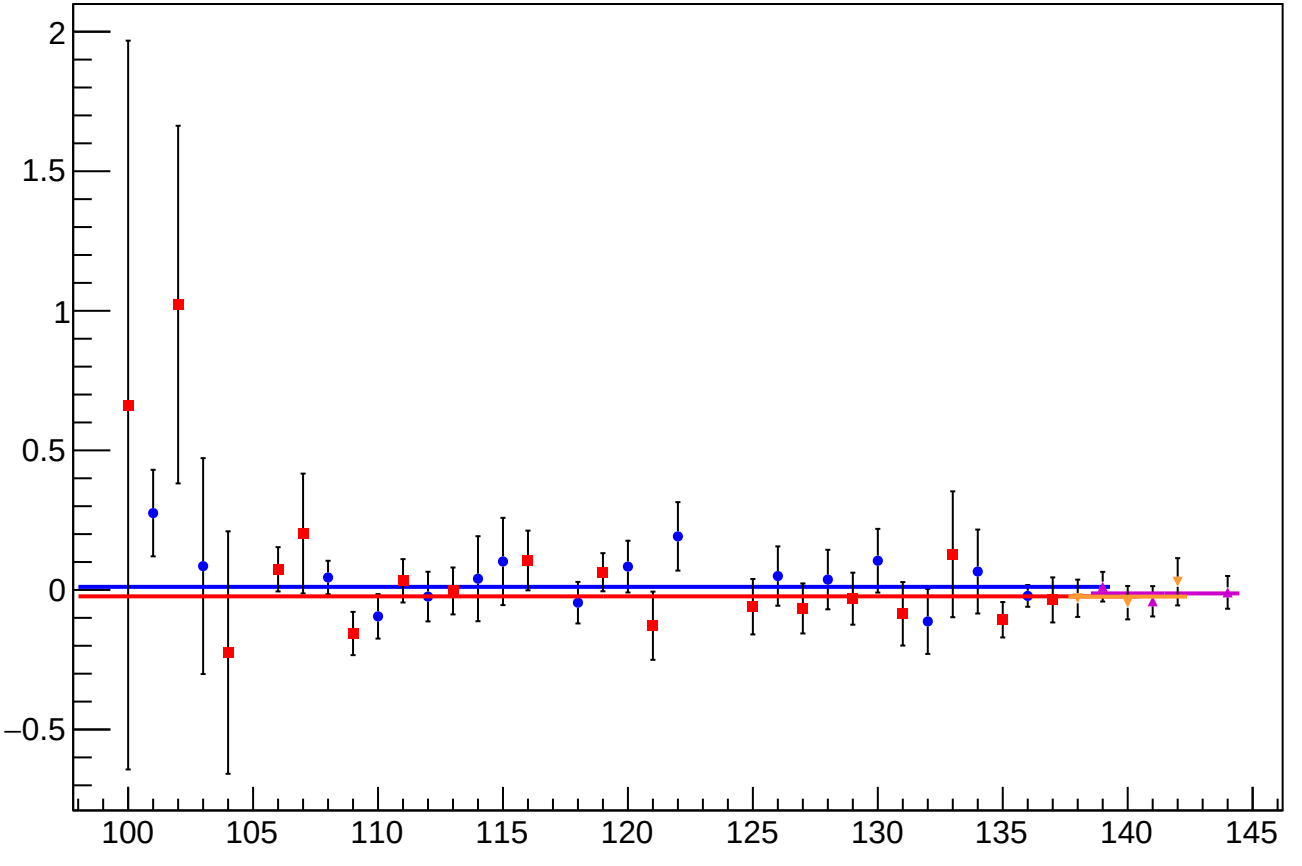
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4028940.9/18

Out: 0.004+/-0.000 χ^2/NDF:4197100.9/20

All: 0.004+/-0.000 χ^2/NDF: 8536362.2/39

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: -0.024+/-0.039 χ^2/NDF:0.5/2

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.012+/-0.032 χ^2/NDF:0.5/2

Left: -0.017+/-0.025 χ^2/NDF: 1.1/5

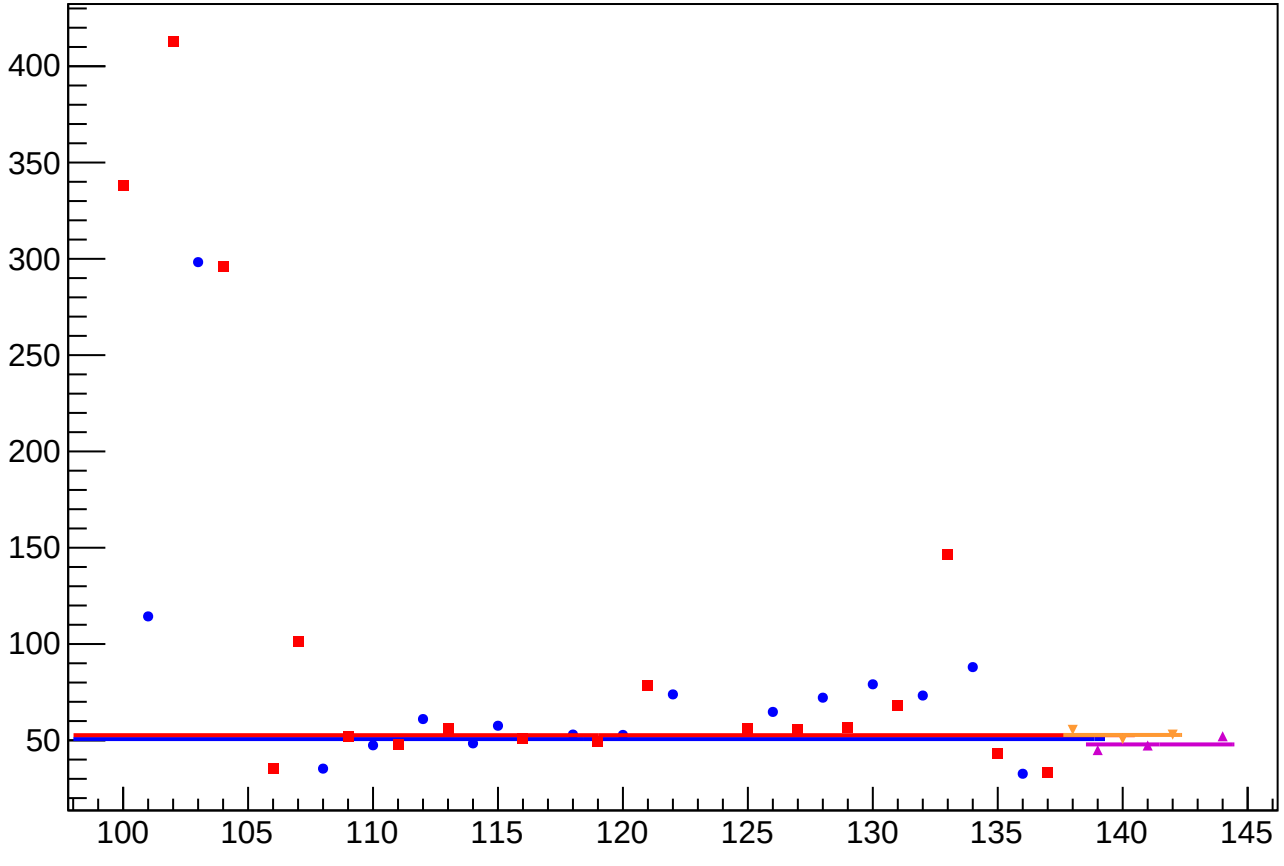
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.018 χ^2/NDF:12.6/18

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.013 χ^2/NDF: 30.1/39

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: 52.790+/-0.028 χ^2/NDF:5843.4/2

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.875+/-0.023 χ^2/NDF:16728.2/2

Left: 49.817+/-0.018 χ^2/NDF: 41352.6/5

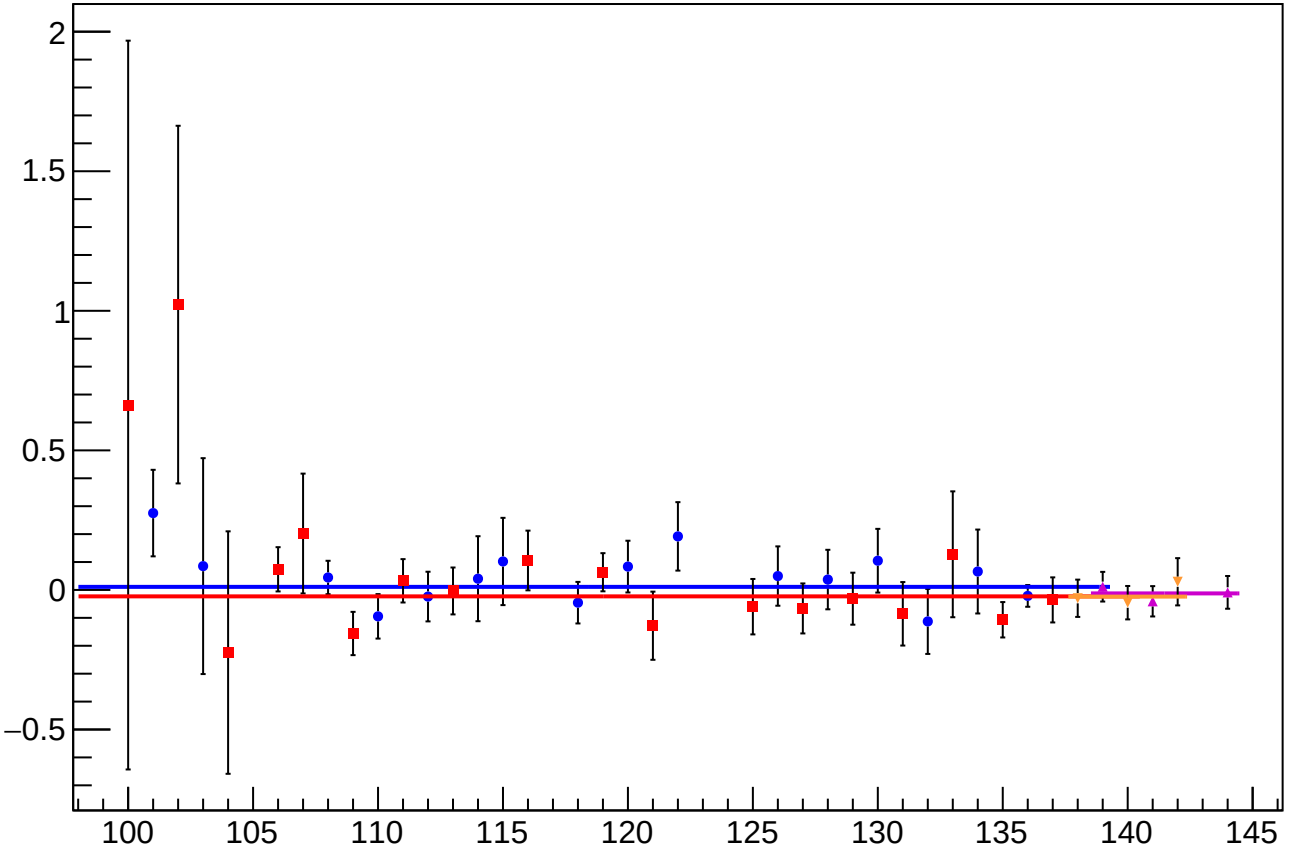
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.759+/-0.013 χ^2/NDF:2293347.7/18

Out: 52.698+/-0.014 χ^2/NDF:2217680.1/20

All: 51.082+/-0.009 χ^2/NDF: 4534926.2/39

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: -0.024+/-0.039 χ^2/NDF:0.5/2

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.012+/-0.032 χ^2/NDF:0.5/2

Left: -0.017+/-0.025 χ^2/NDF: 1.1/5

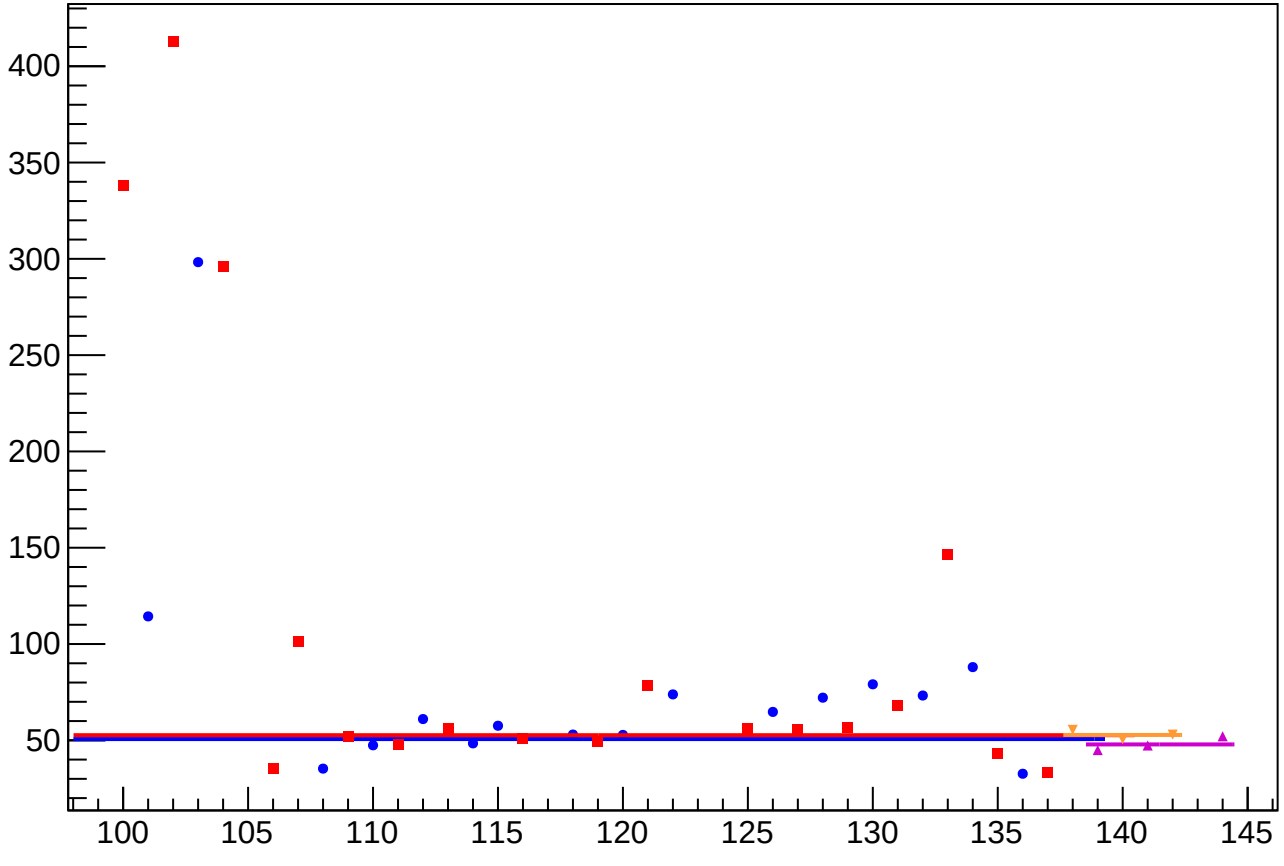
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.018 χ^2/NDF:12.6/18

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.013 χ^2/NDF: 30.1/39

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.790+/-0.028 χ^2/NDF:5843.4/2

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.875+/-0.023 χ^2/NDF:16728.2/2

Left: 49.817+/-0.018 χ^2/NDF: 41352.6/5

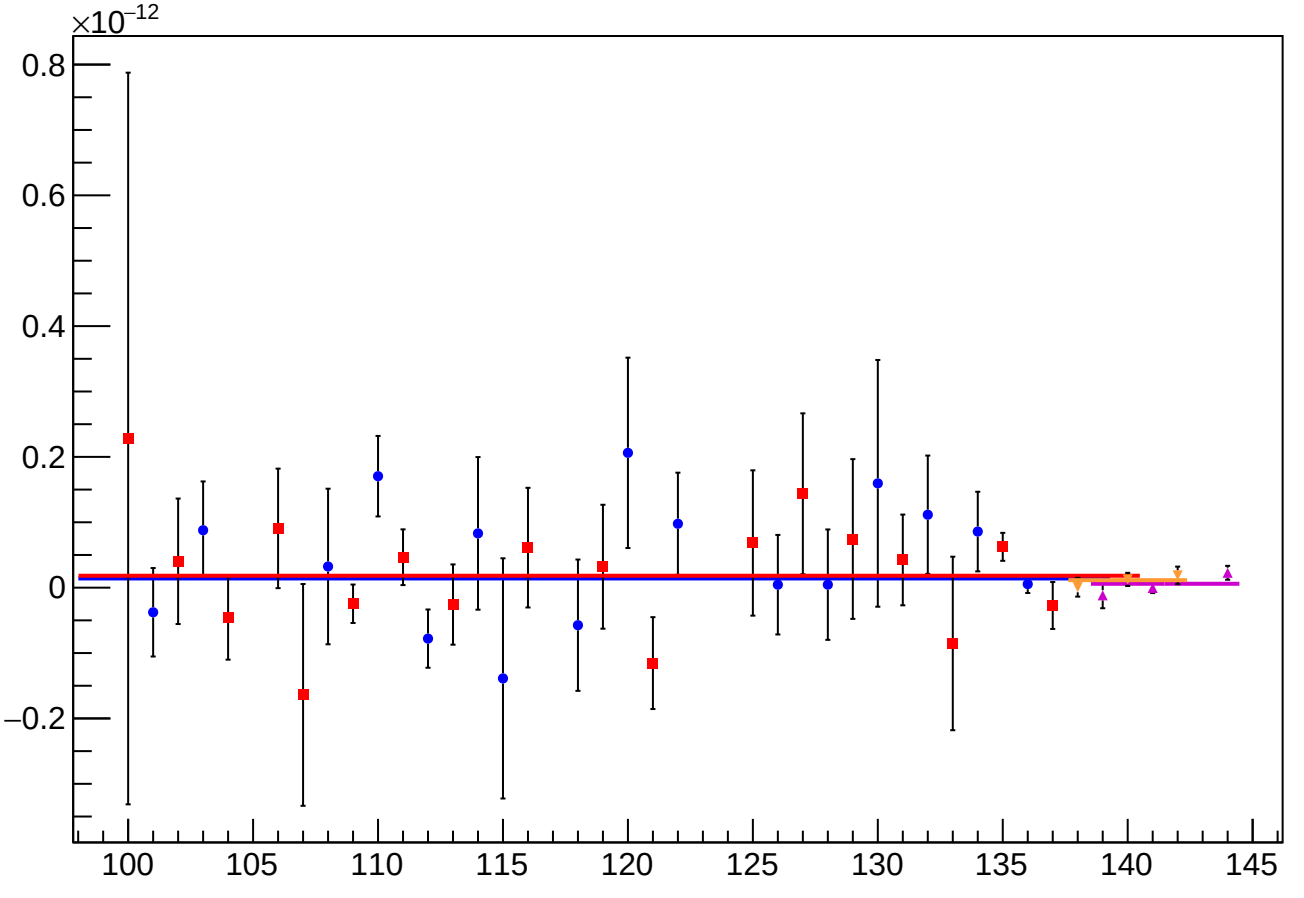
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.759+/-0.013 χ^2/NDF:2293347.7/18

Out: 52.698+/-0.014 χ^2/NDF:2217680.1/20

All: 51.082+/-0.009 χ^2/NDF: 4534926.2/39

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/2

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/2

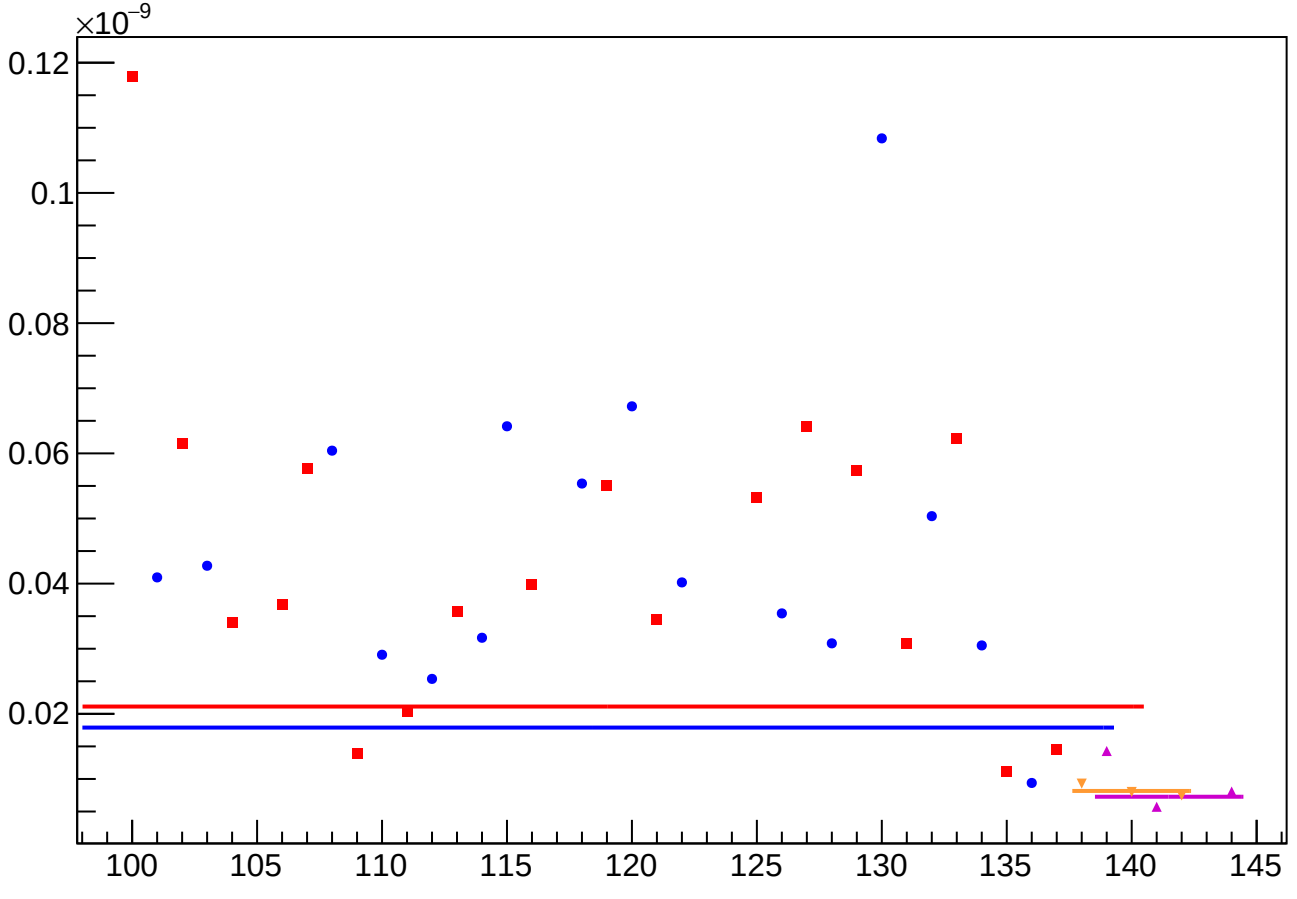
Left: 0.000+/-0.000 χ^2/NDF: 5.2/5

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:24.7/18

Out: 0.000+/-0.000 χ^2/NDF:19.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/39



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18066.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:341038.2/2

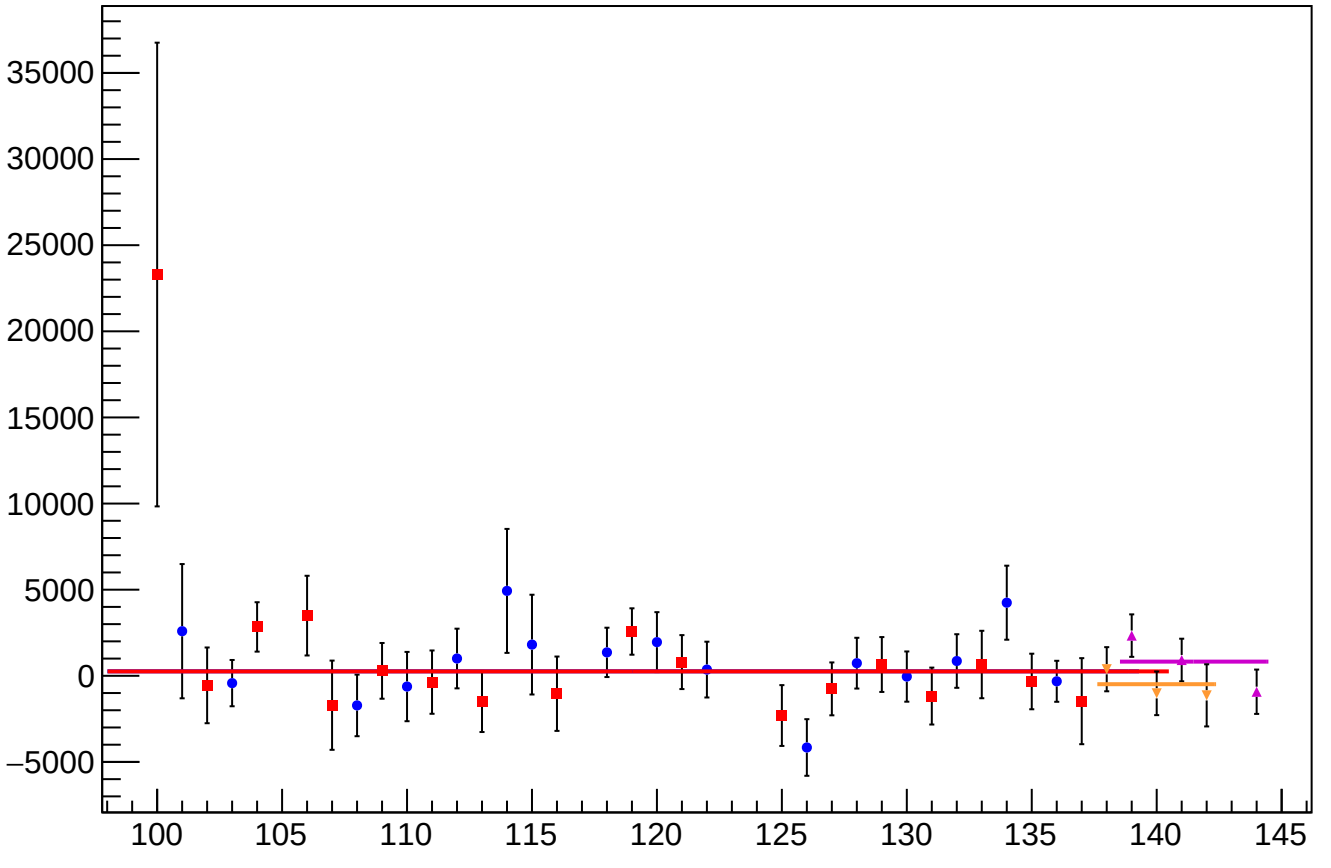
Left: 0.000+/-0.000 χ^2/NDF: 377589.2/5

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5112601.4/18

Out: 0.000+/-0.000 χ^2/NDF:4267582.8/20

All: 0.000+/-0.000 χ^2/NDF: 9463013.4/39



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.016+/-805.918 χ^2/NDF:0.8/2

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 823.265+/-722.567 χ^2/NDF:3.4/2

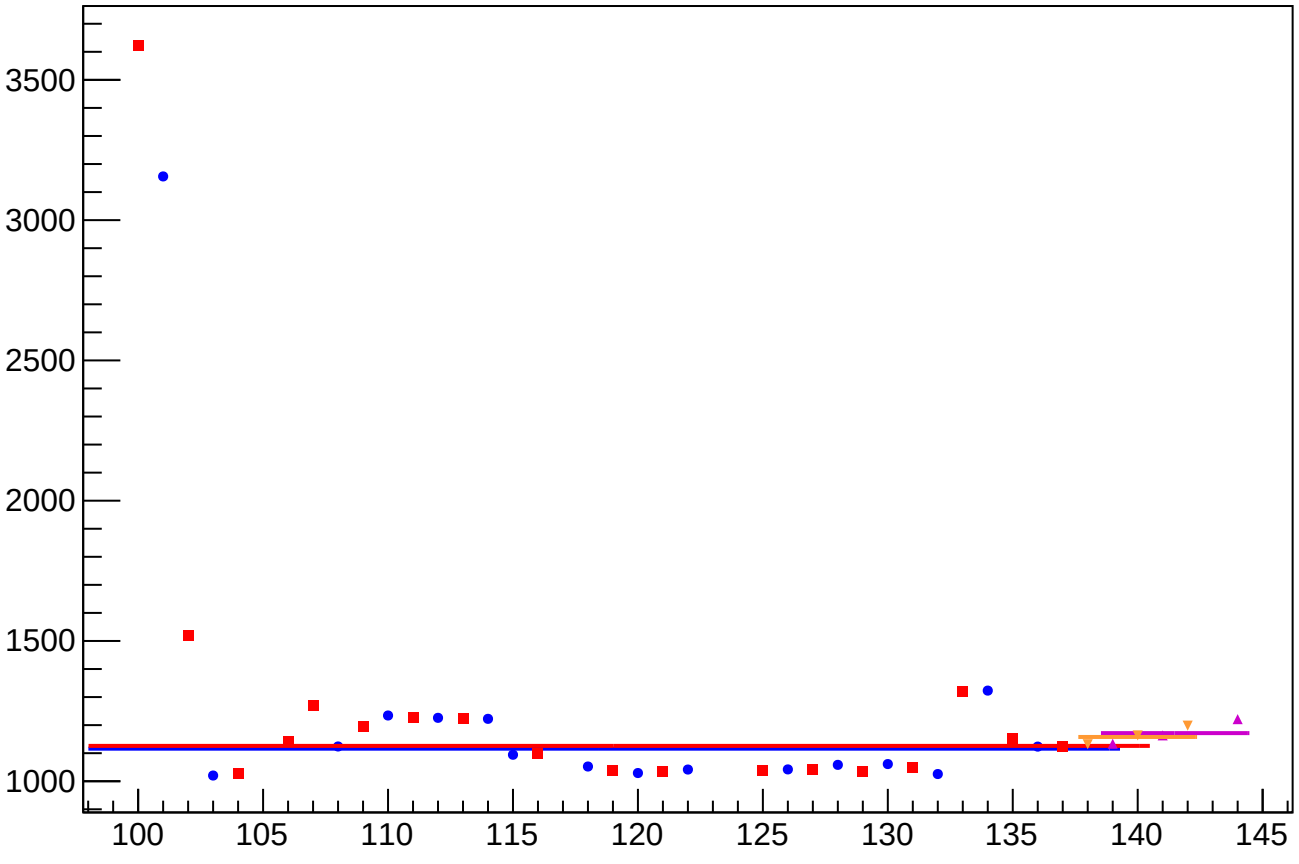
Left: 239.364+/-537.995 χ^2/NDF: 5.6/5

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 405.197+/-366.111 χ^2/NDF:20.7/18

Out: 93.811+/-376.473 χ^2/NDF:18.8/20

All: 253.848+/-262.466 χ^2/NDF: 39.9/39



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

Left: 1165.409+/-0.380 χ^2/NDF: 7135.9/5

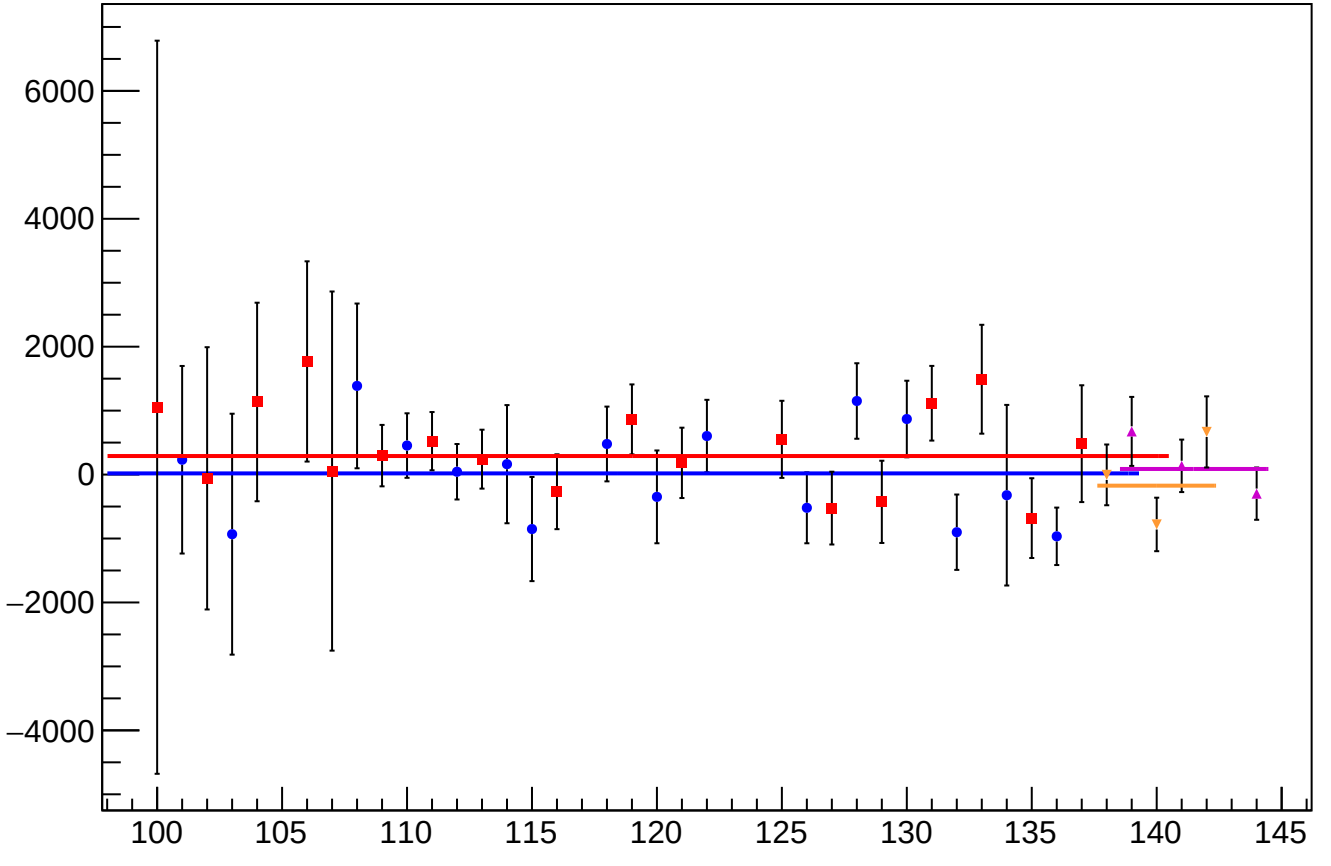
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1130.319+/-0.259 χ^2/NDF:637097.0/18

Out: 1132.954+/-0.266 χ^2/NDF:226396.3/20

All: 1131.600+/-0.186 χ^2/NDF: 863543.6/39

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -173.471+/-273.399 χ^2/NDF:4.5/2

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 87.614+/-255.171 χ^2/NDF:2.1/2

Left: -33.936+/-186.545 χ^2/NDF: 7.1/5

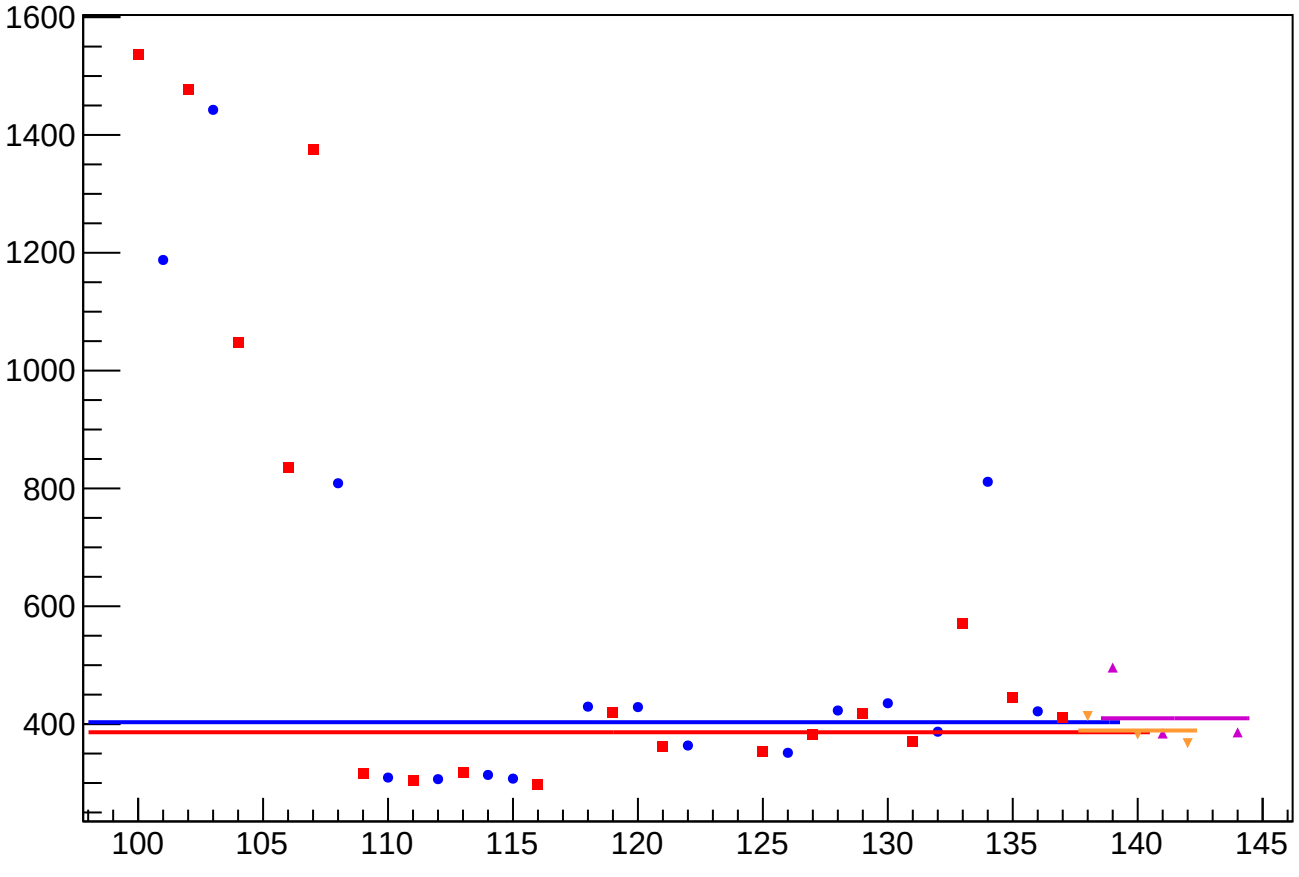
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 38.198+/-136.306 χ^2/NDF:21.3/18

Out: 175.917+/-135.618 χ^2/NDF:20.2/20

All: 107.406+/-96.139 χ^2/NDF: 42.0/39

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: 389.109+/-0.193 χ^2/NDF:8834.6/2

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 409.845+/-0.180 χ^2/NDF:65711.8/2

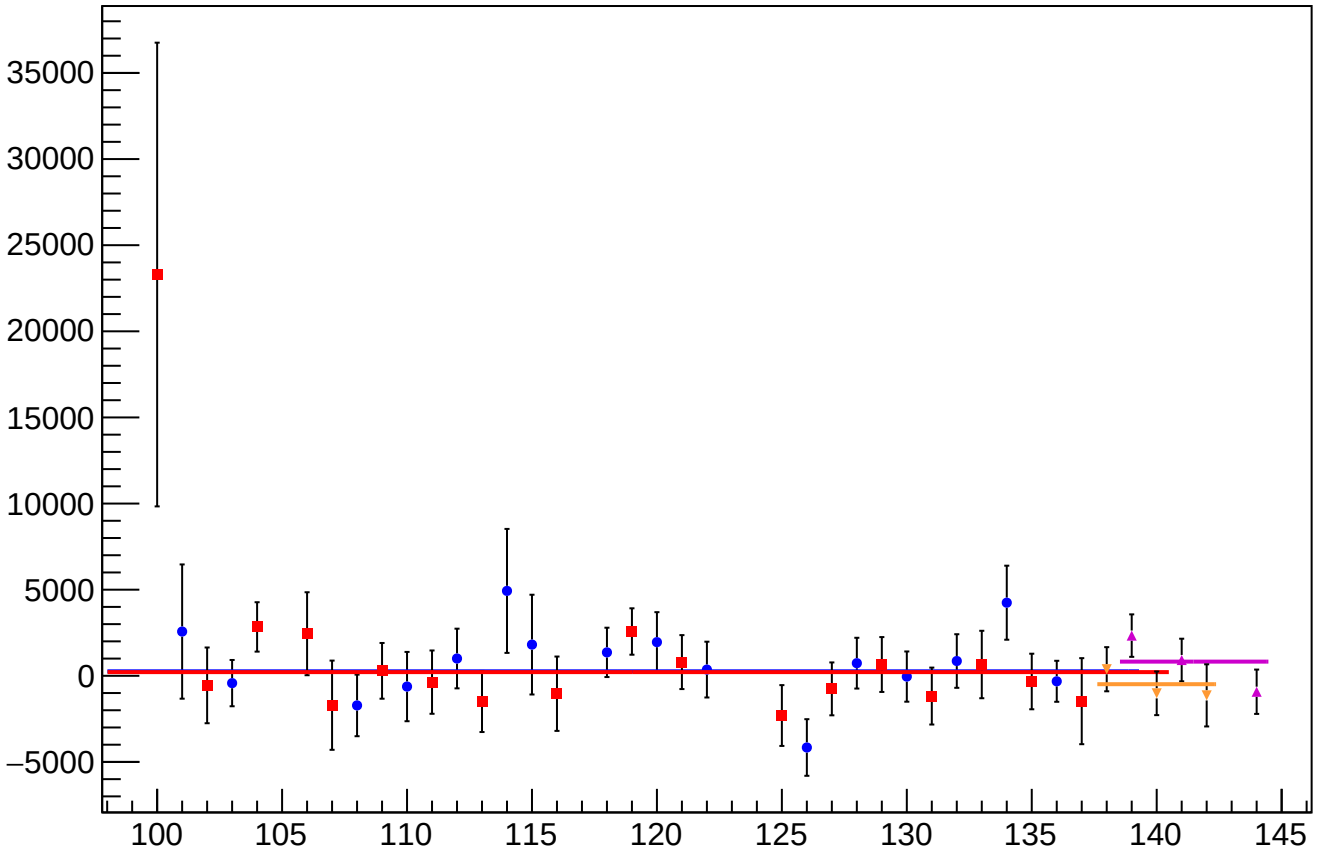
Left: 400.192+/-0.132 χ^2/NDF: 80695.5/5

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 405.092+/-0.096 χ^2/NDF:1875115.3/18

Out: 386.875+/-0.096 χ^2/NDF:1768125.5/20

All: 395.938+/-0.068 χ^2/NDF: 3661192.7/39



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 823.289+/-722.567 χ^2/NDF:3.4/2

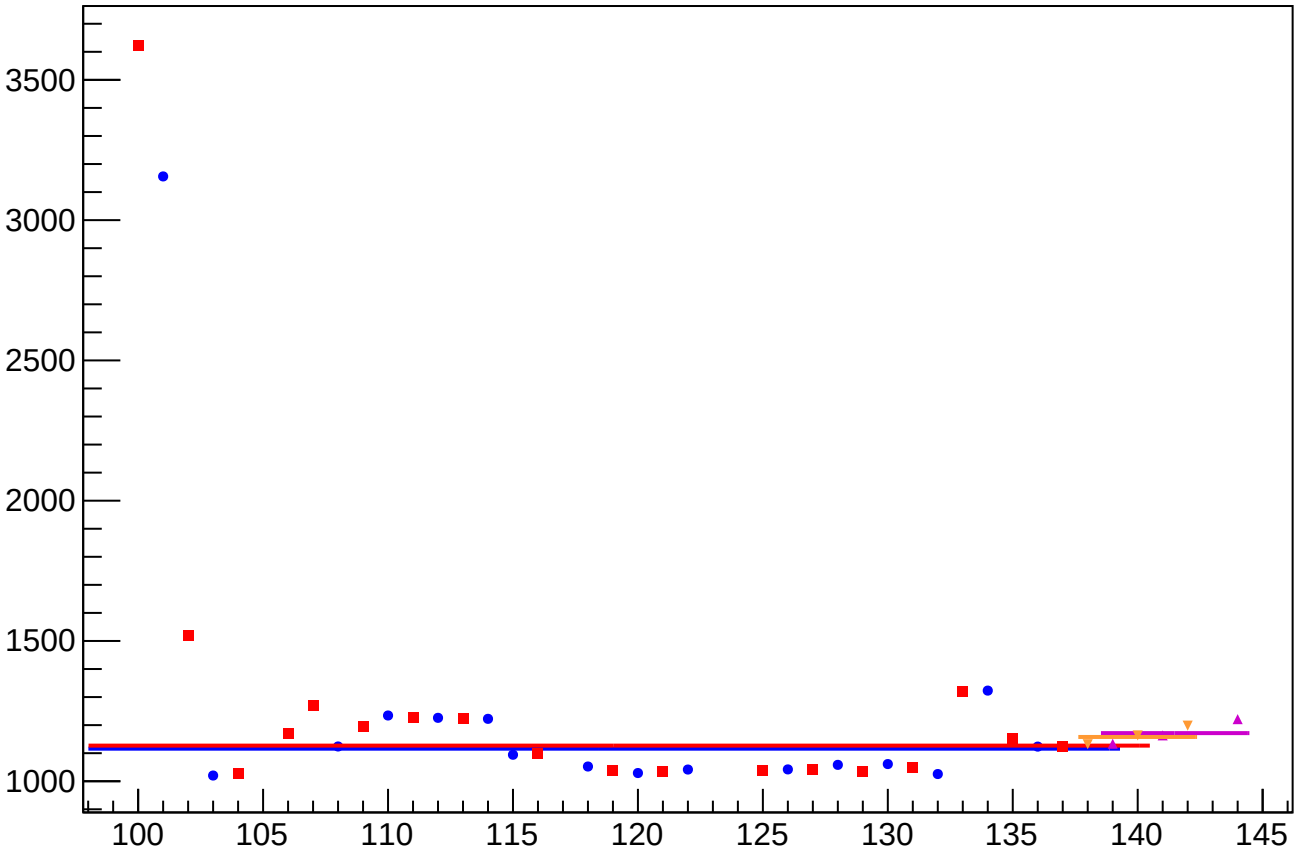
Left: 239.329+/-537.995 χ^2/NDF: 5.6/5

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 404.919+/-366.111 χ^2/NDF:20.7/18

Out: 61.082+/-376.858 χ^2/NDF:17.6/20

All: 237.973+/-262.597 χ^2/NDF: 38.8/39



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

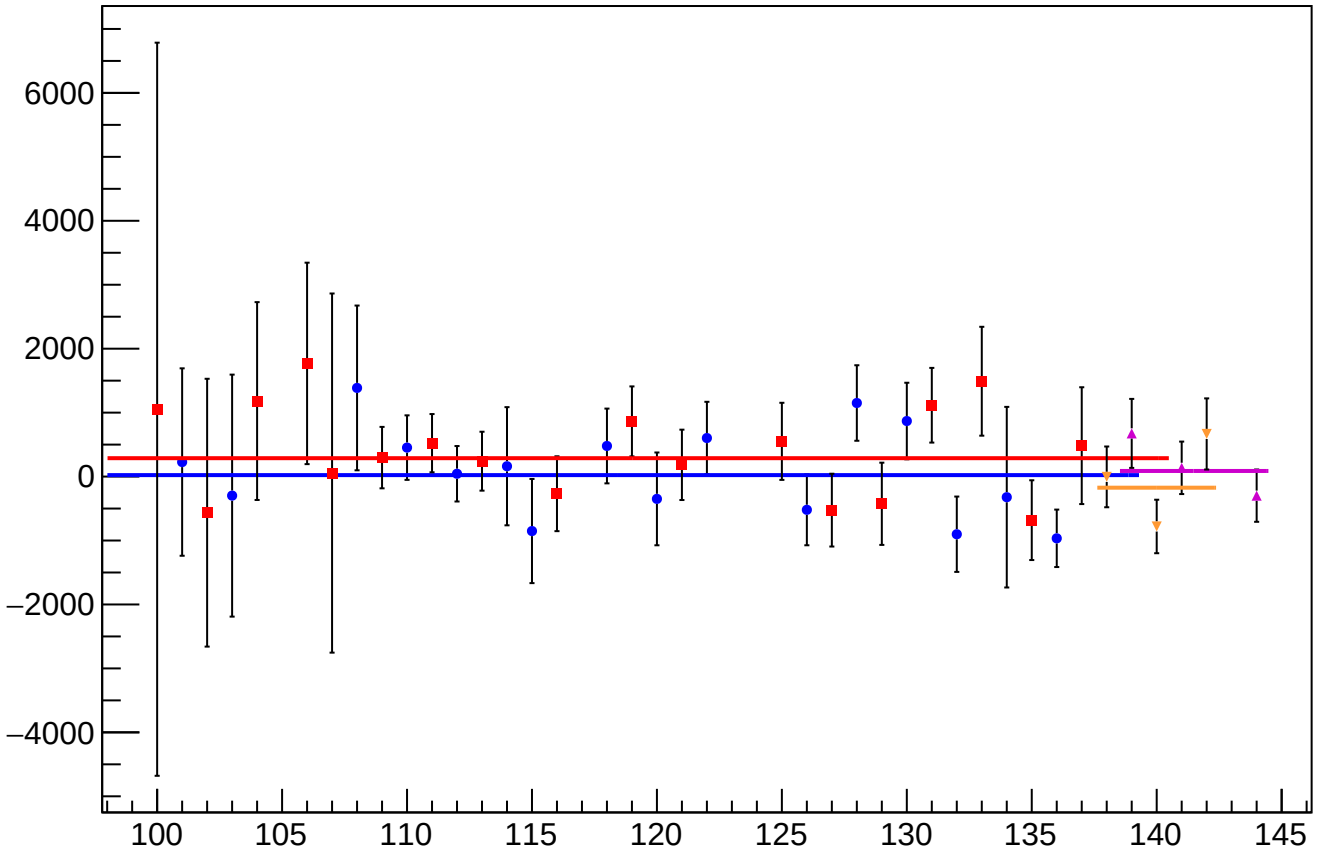
Left: 1165.410+/-0.380 χ^2/NDF: 7135.9/5

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1130.319+/-0.259 χ^2/NDF:637098.1/18

Out: 1133.706+/-0.266 χ^2/NDF:226886.7/20

All: 1131.964+/-0.186 χ^2/NDF: 864067.9/39



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF:4.5/2

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 87.706+/-255.170 χ^2/NDF:2.1/2

Left: -34.049+/-186.545 χ^2/NDF: 7.1/5

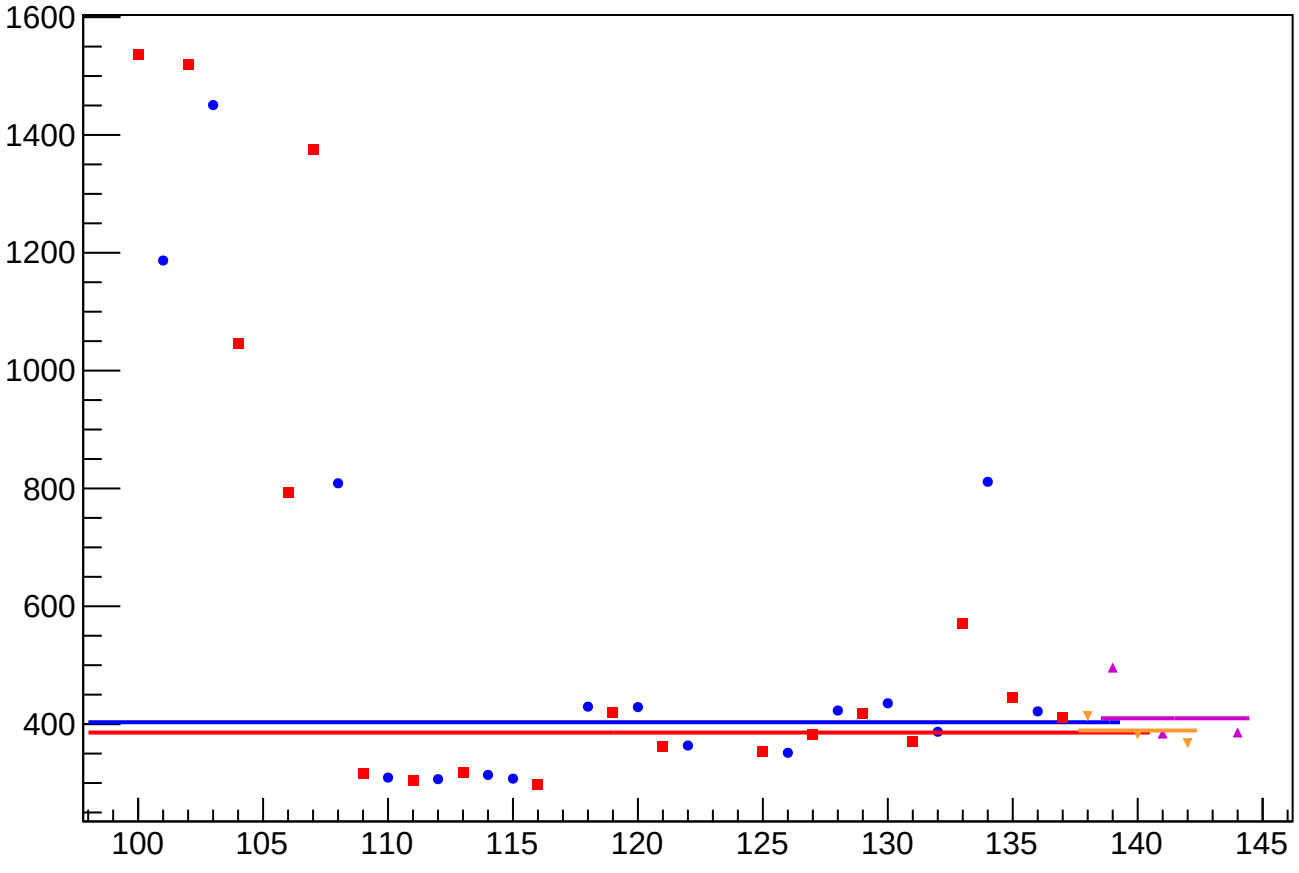
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 41.408+/-136.306 χ^2/NDF:21.1/18

Out: 174.049+/-135.634 χ^2/NDF:20.3/20

All: 108.056+/-96.144 χ^2/NDF: 41.9/39

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: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 409.844+/-0.180 χ^2/NDF:65696.3/2

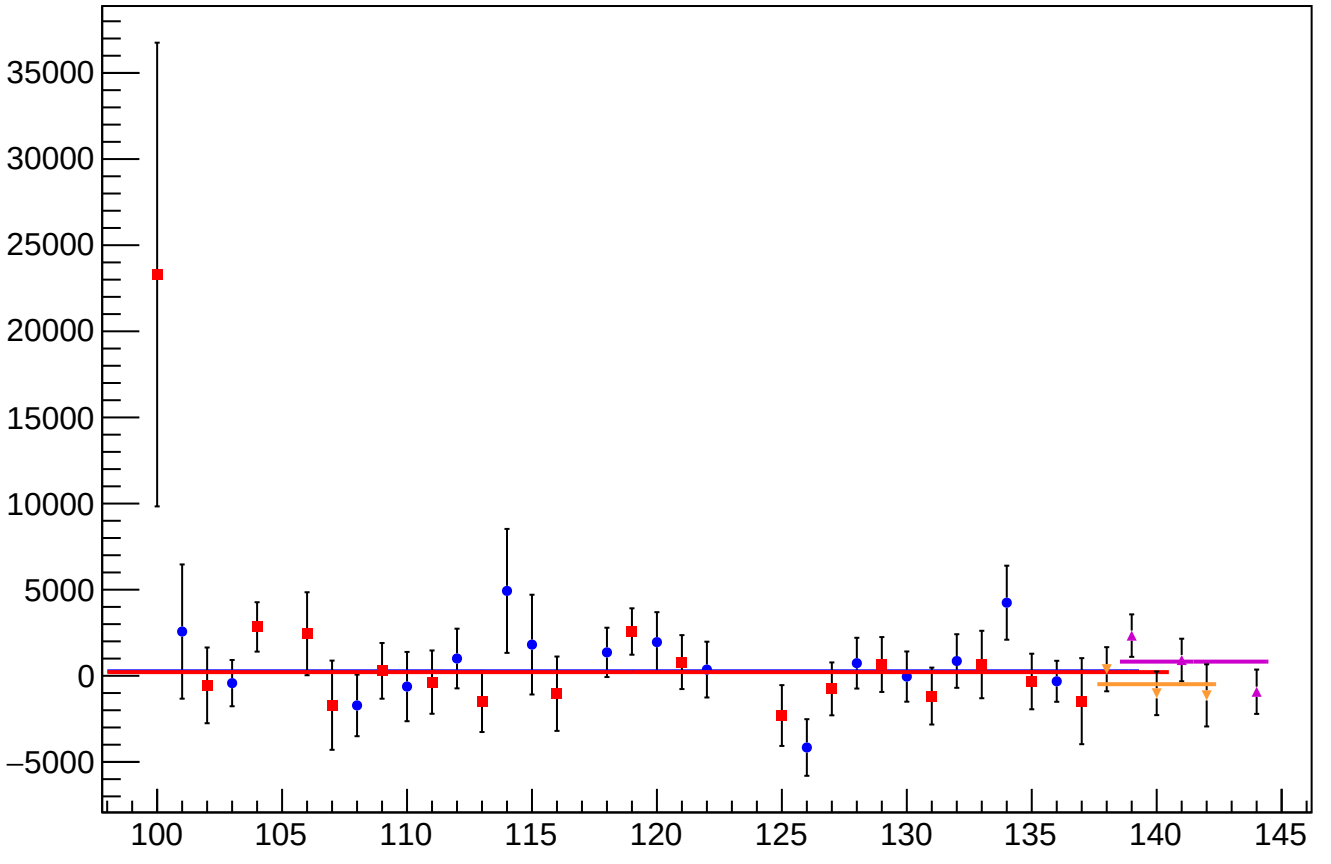
Left: 400.192+/-0.132 χ^2/NDF: 80668.5/5

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 405.083+/-0.096 χ^2/NDF:1878781.5/18

Out: 386.526+/-0.096 χ^2/NDF:1756215.6/20

All: 395.759+/-0.068 χ^2/NDF: 3653623.8/39



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 823.289+/-722.567 χ^2/NDF:3.4/2

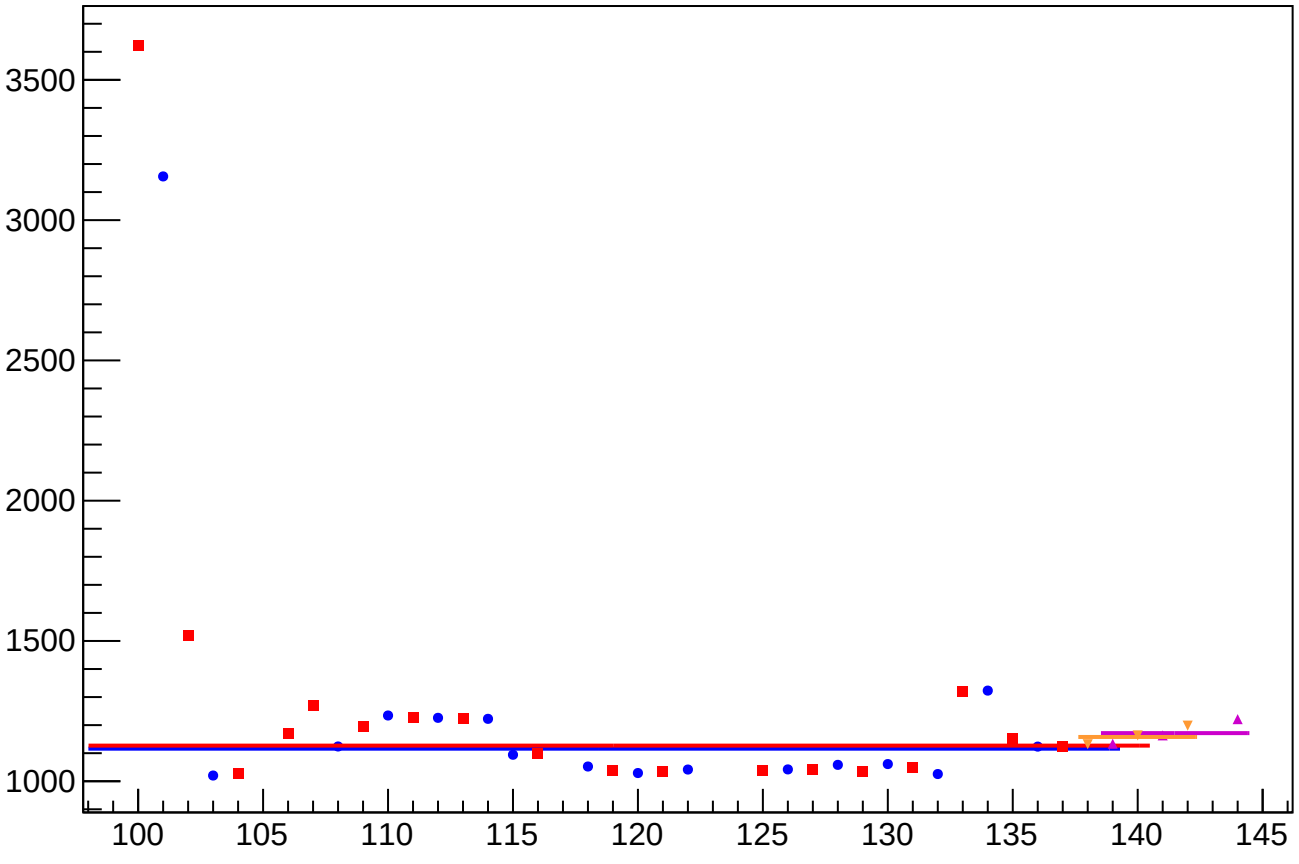
Left: 239.329+/-537.995 χ^2/NDF: 5.6/5

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 404.919+/-366.111 χ^2/NDF:20.7/18

Out: 61.082+/-376.858 χ^2/NDF:17.6/20

All: 237.973+/-262.597 χ^2/NDF: 38.8/39



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1171.518+/-0.511 χ^2/NDF:4958.5/2

Left: 1165.410+/-0.380 χ^2/NDF: 7135.9/5

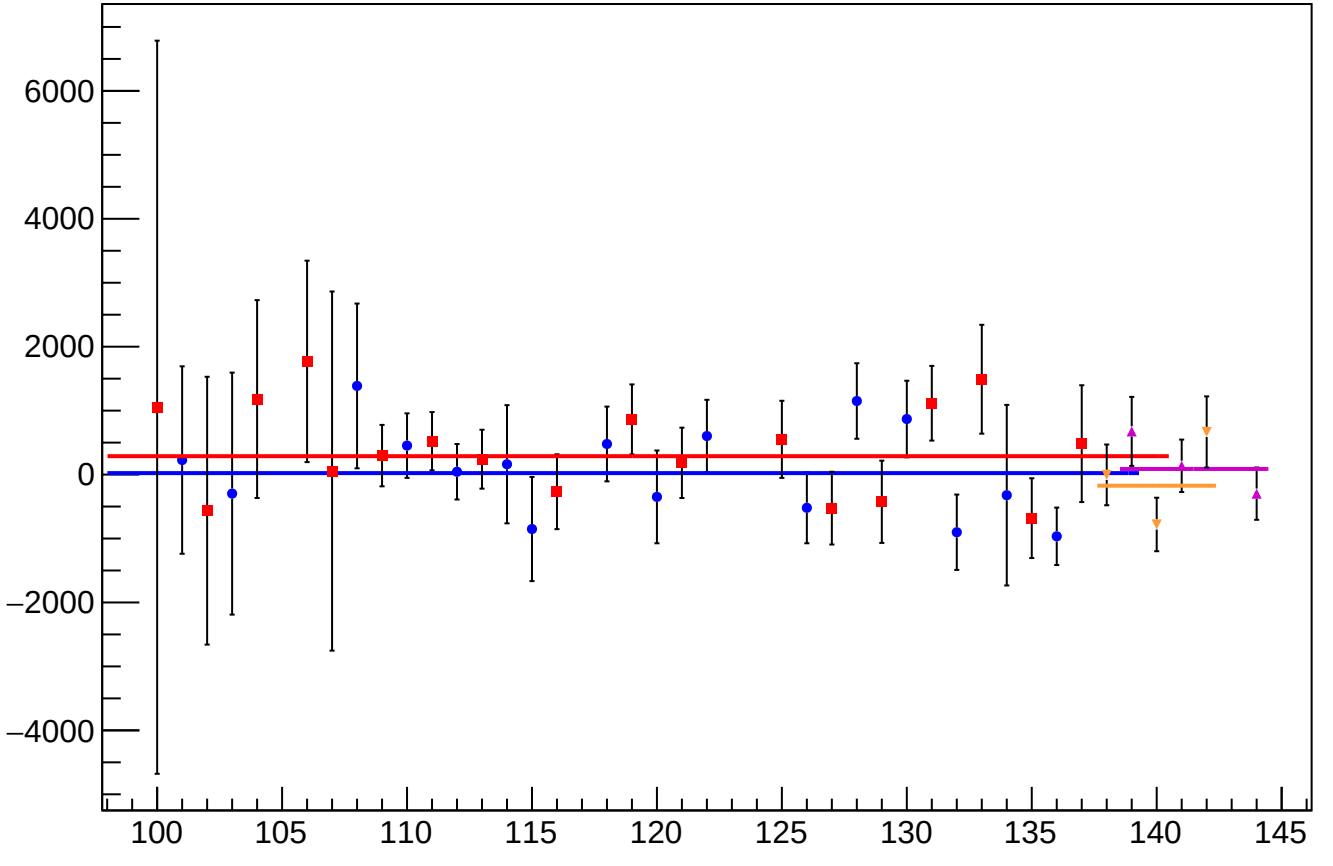
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1130.319+/-0.259 χ^2/NDF:637098.1/18

Out: 1133.706+/-0.266 χ^2/NDF:226886.7/20

All: 1131.964+/-0.186 χ^2/NDF: 864067.9/39

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF:4.5/2

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 87.706+/-255.170 χ^2/NDF:2.1/2

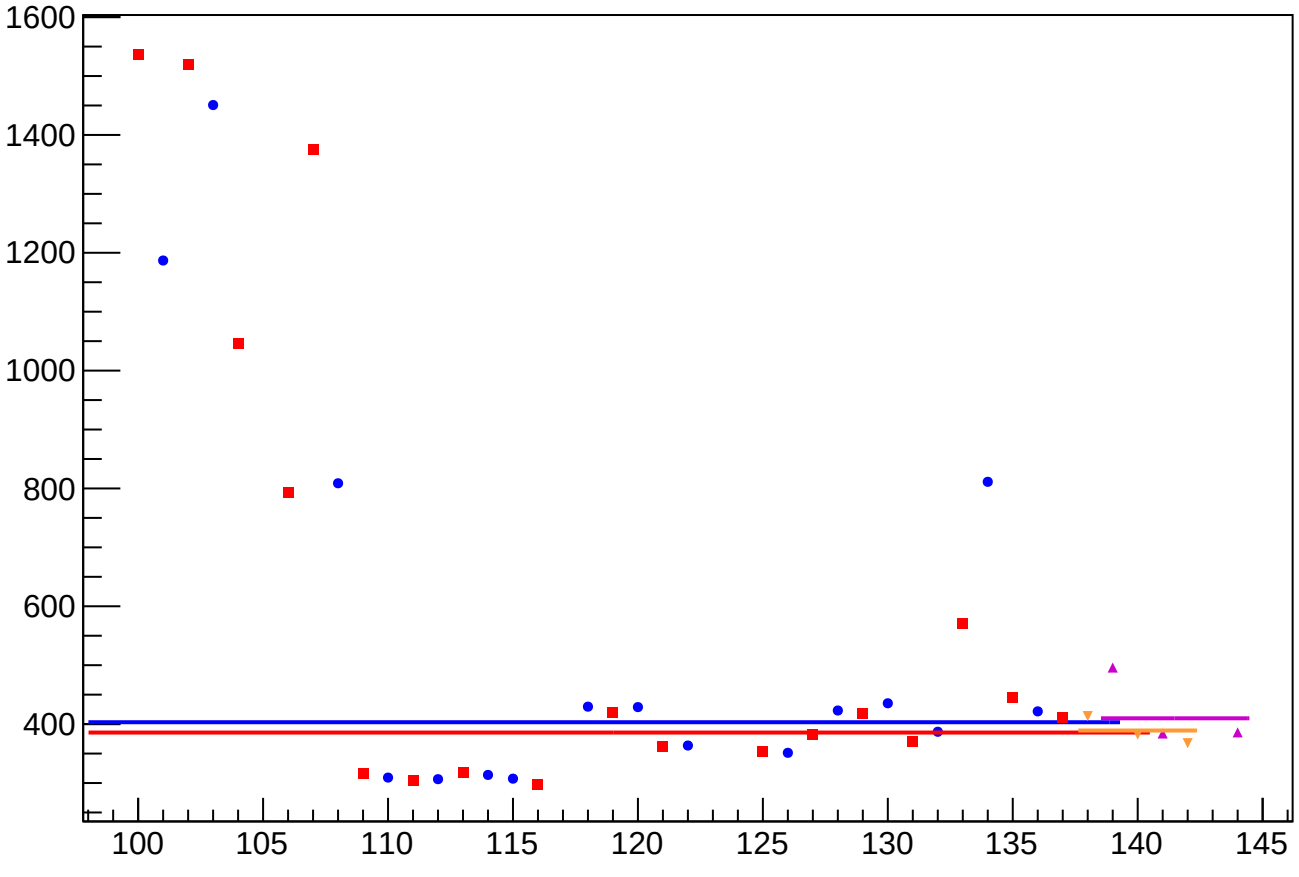
Left: -34.049+/-186.545 χ^2/NDF: 7.1/5

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 41.408+/-136.306 χ^2/NDF:21.1/18

Out: 174.049+/-135.634 χ^2/NDF:20.3/20

All: 108.056+/-96.144 χ^2/NDF: 41.9/39



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 409.844+/-0.180 χ^2/NDF:65696.3/2

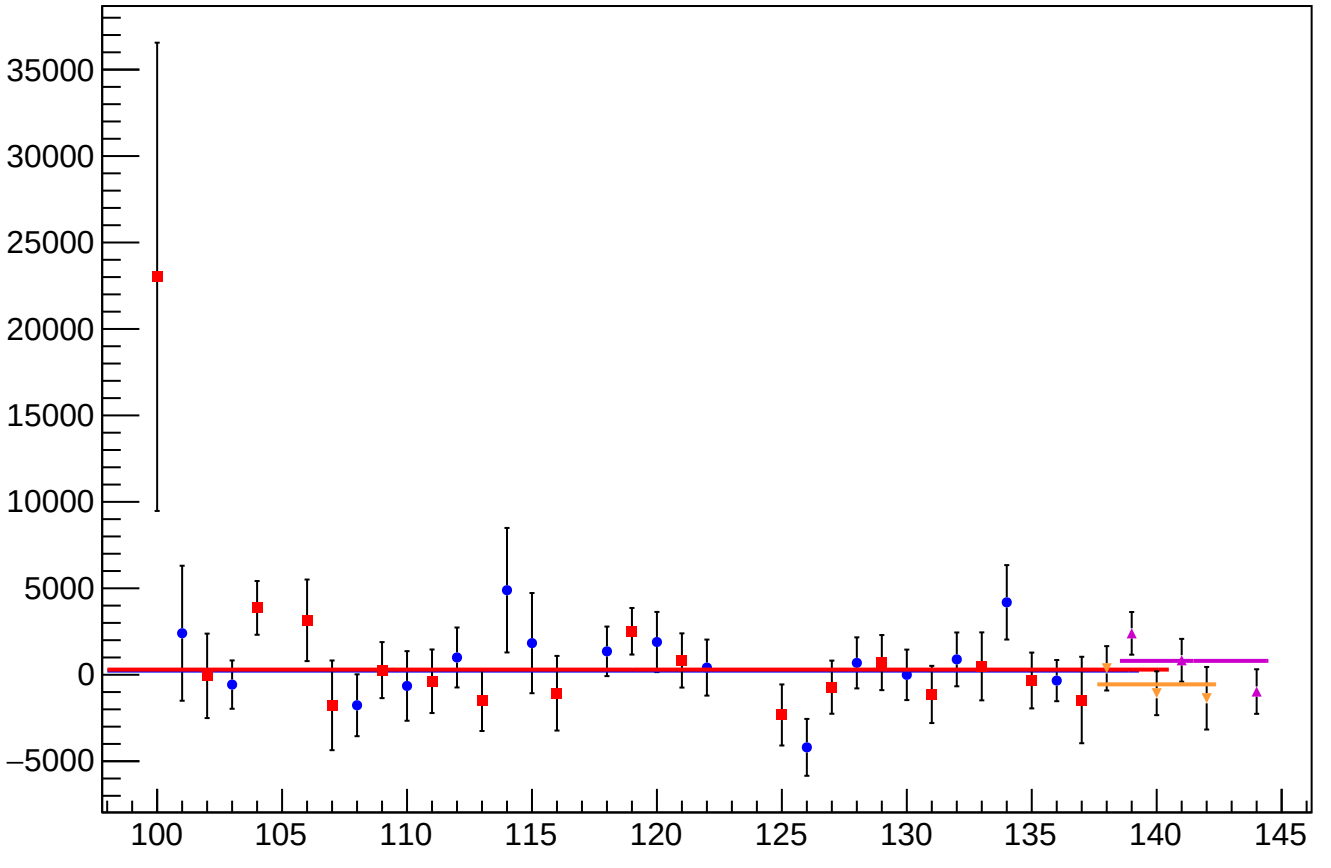
Left: 400.192+/-0.132 χ^2/NDF: 80668.5/5

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 405.083+/-0.096 χ^2/NDF:1878781.5/18

Out: 386.526+/-0.096 χ^2/NDF:1756215.6/20

All: 395.759+/-0.068 χ^2/NDF: 3653623.8/39



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -554.322+/-807.192 χ^2/NDF:0.9/2

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 803.833+/-723.359 χ^2/NDF:3.6/2

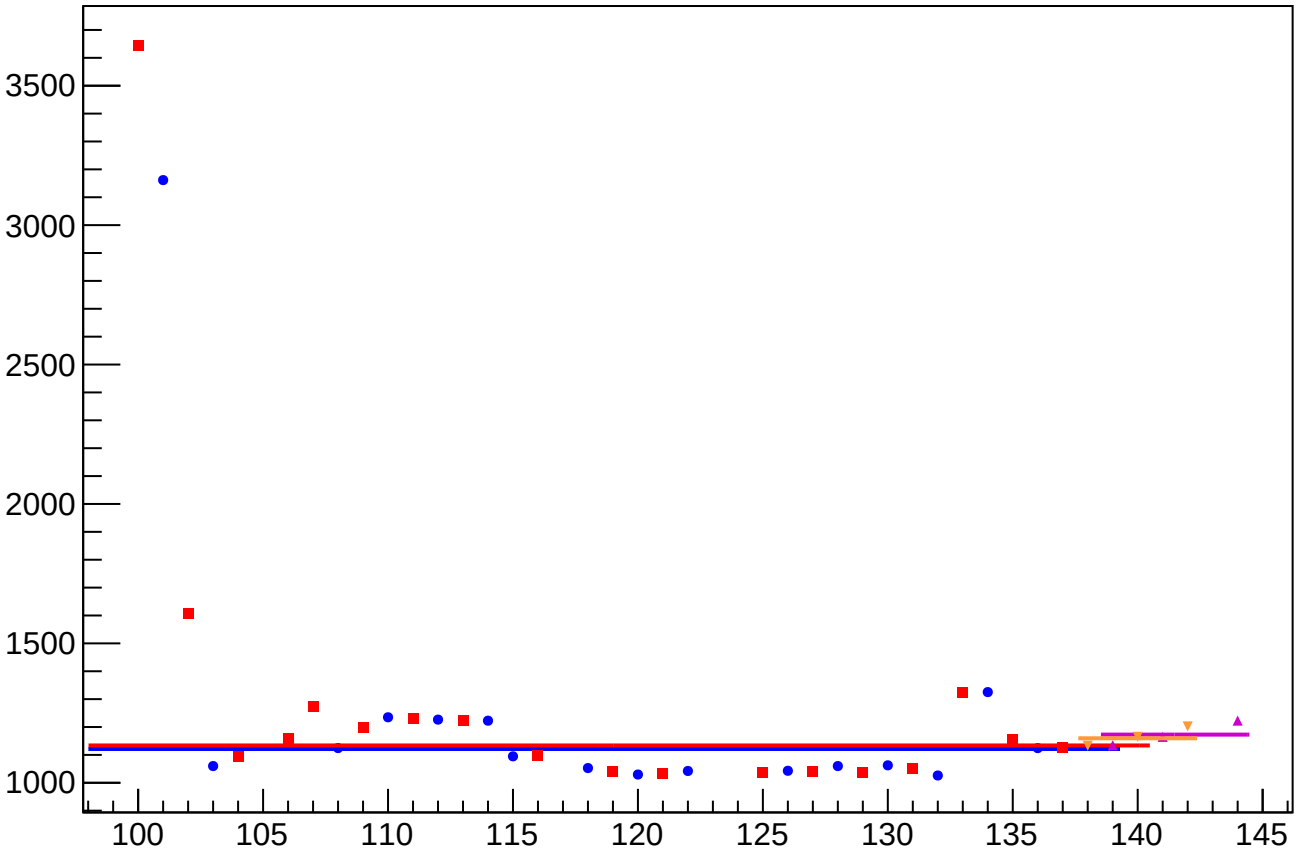
Left: 198.923+/-538.701 χ^2/NDF: 6.0/5

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 386.108+/-367.453 χ^2/NDF:21.0/18

Out: 109.787+/-380.037 χ^2/NDF:20.4/20

All: 252.598+/-264.165 χ^2/NDF: 41.7/39



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1159.588+/-0.571 χ^2/NDF:2005.2/2

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1172.779+/-0.511 χ^2/NDF:5022.0/2

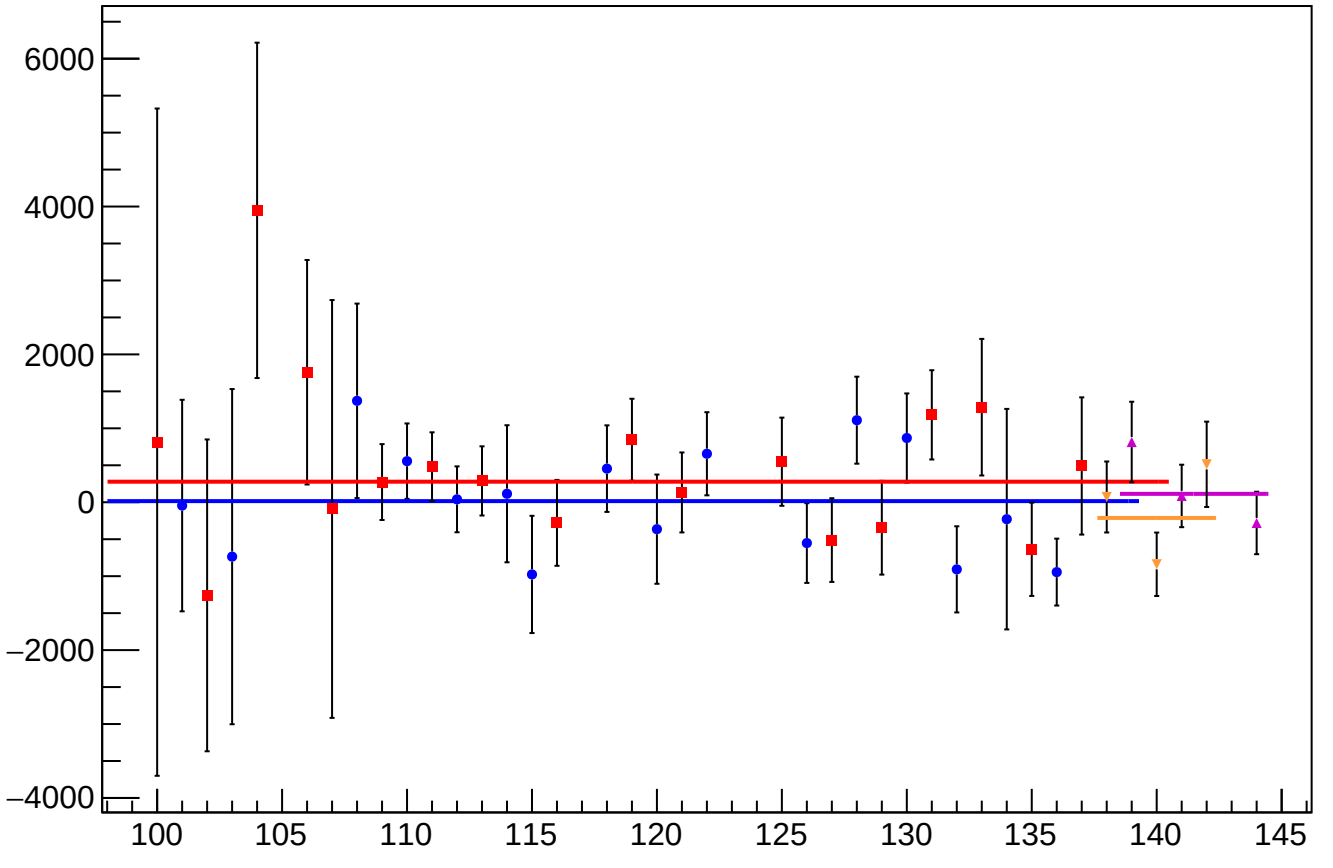
Left: 1166.904+/-0.381 χ^2/NDF: 7323.4/5

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1134.579+/-0.260 χ^2/NDF:629567.6/18

Out: 1139.617+/-0.269 χ^2/NDF:231035.2/20

All: 1137.013+/-0.187 χ^2/NDF: 860784.4/39



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -212.186+/-279.772 χ^2/NDF:4.1/2

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 113.554+/-261.923 χ^2/NDF:2.5/2

Left: -38.595+/-191.206 χ^2/NDF: 7.3/5

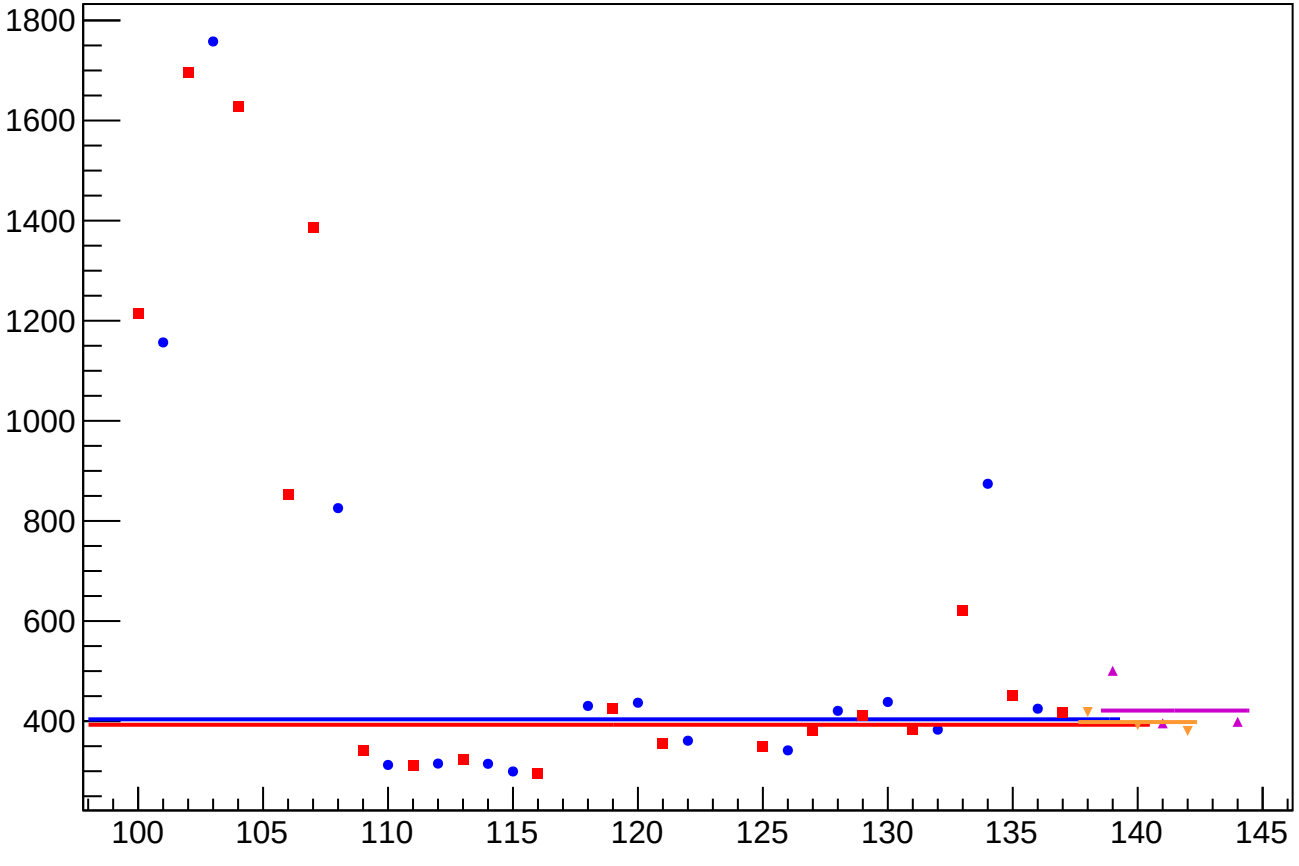
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 42.443+/-137.681 χ^2/NDF:22.3/18

Out: 158.714+/-138.122 χ^2/NDF:21.5/20

All: 100.393+/-97.511 χ^2/NDF: 44.1/39

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: 398.204+/-0.198 χ^2/NDF:5782.5/2

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 421.157+/-0.185 χ^2/NDF:55517.9/2

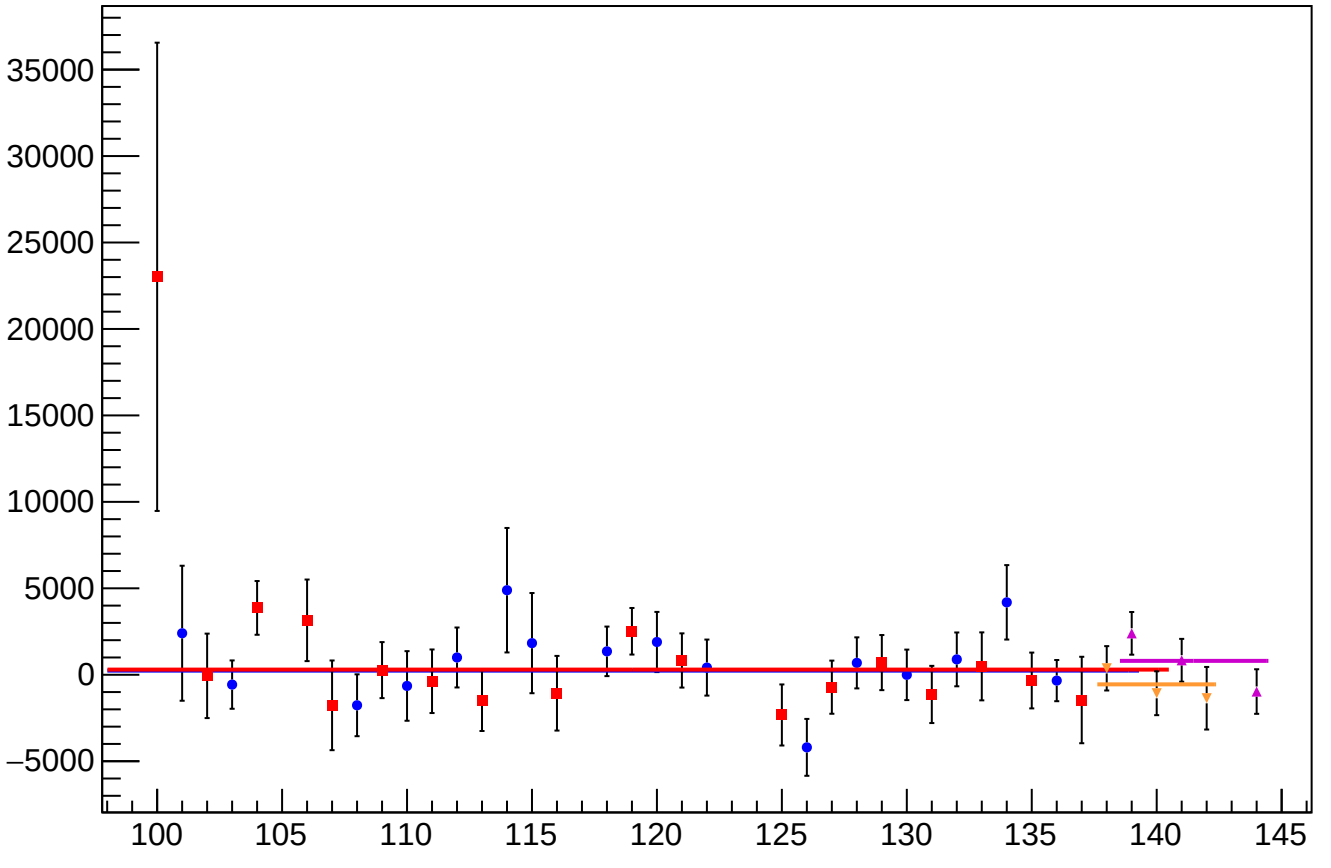
Left: 410.436+/-0.135 χ^2/NDF: 68474.1/5

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 408.491+/-0.097 χ^2/NDF:1991577.0/18

Out: 394.133+/-0.098 χ^2/NDF:2209798.7/20

All: 401.335+/-0.069 χ^2/NDF: 4212217.5/39



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -554.328+/-807.192 χ^2/NDF:0.9/2

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 803.828+/-723.359 χ^2/NDF:3.6/2

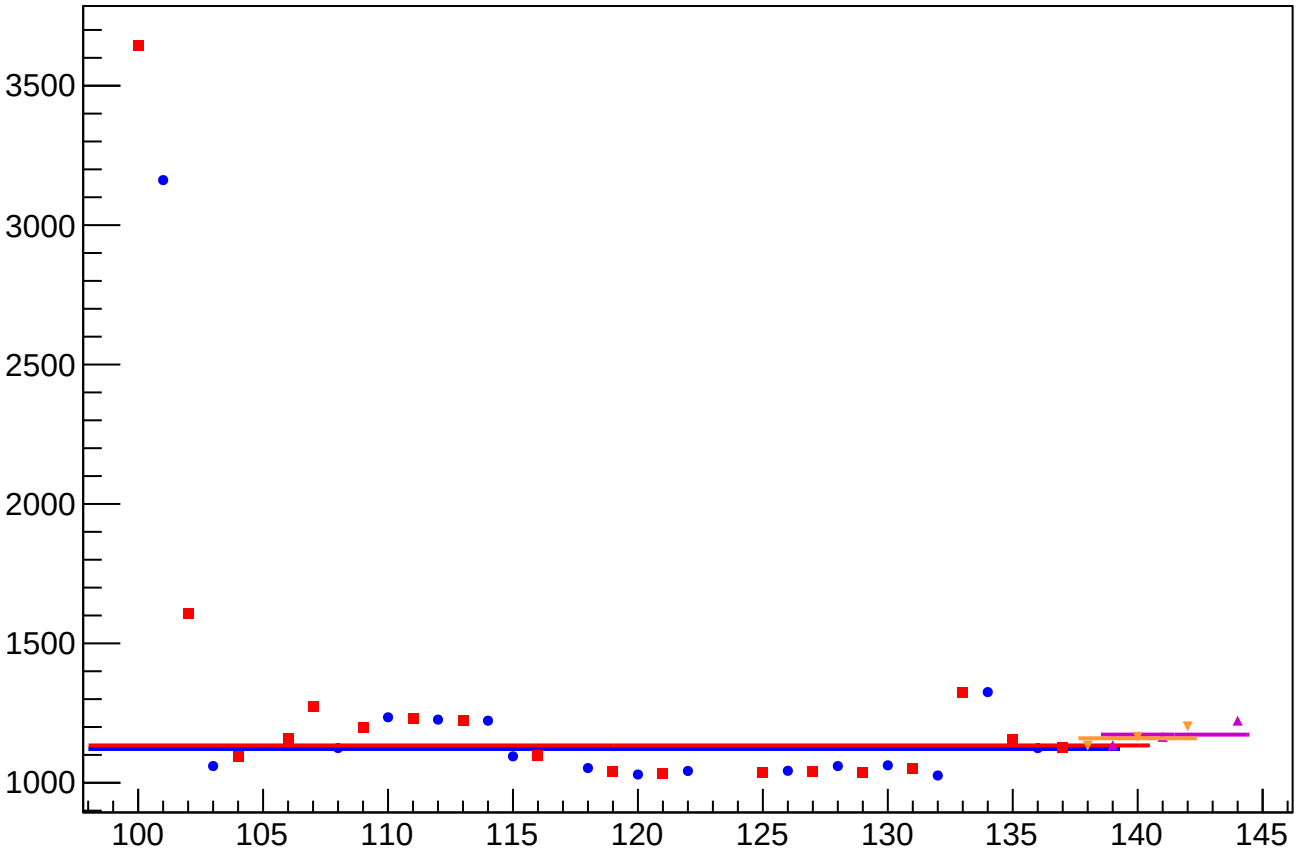
Left: 198.918+/-538.701 χ^2/NDF: 6.0/5

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 386.108+/-367.453 χ^2/NDF:21.0/18

Out: 109.786+/-380.037 χ^2/NDF:20.4/20

All: 252.598+/-264.165 χ^2/NDF: 41.7/39



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1159.588+/-0.571 χ^2/NDF:2005.2/2

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1172.779+/-0.511 χ^2/NDF:5022.0/2

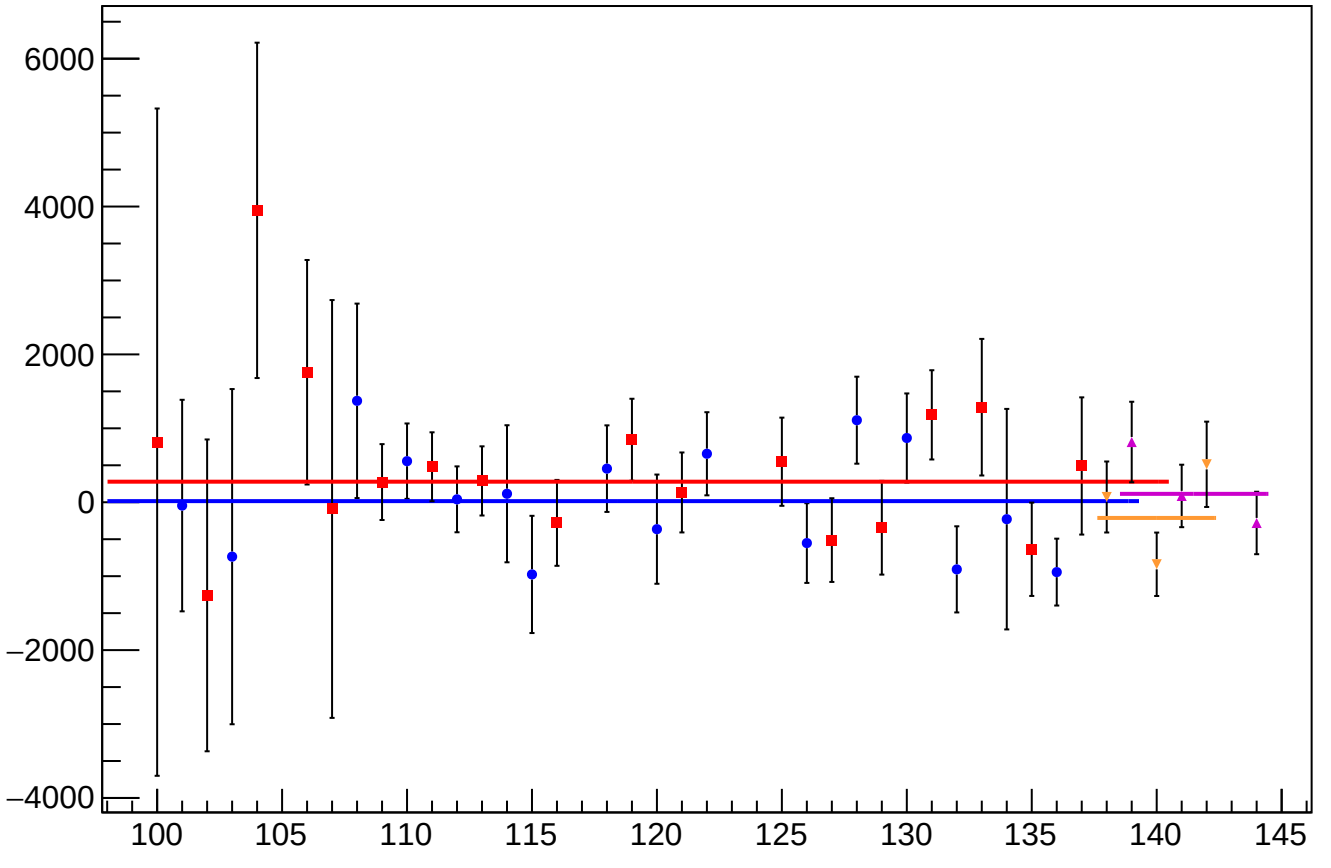
Left: 1166.904+/-0.381 χ^2/NDF: 7323.4/5

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1134.579+/-0.260 χ^2/NDF:629567.6/18

Out: 1139.617+/-0.269 χ^2/NDF:231035.3/20

All: 1137.013+/-0.187 χ^2/NDF: 860784.5/39



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -212.196+/-279.772 χ^2/NDF:4.1/2

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 113.559+/-261.924 χ^2/NDF:2.5/2

Left: -38.597+/-191.207 χ^2/NDF: 7.3/5

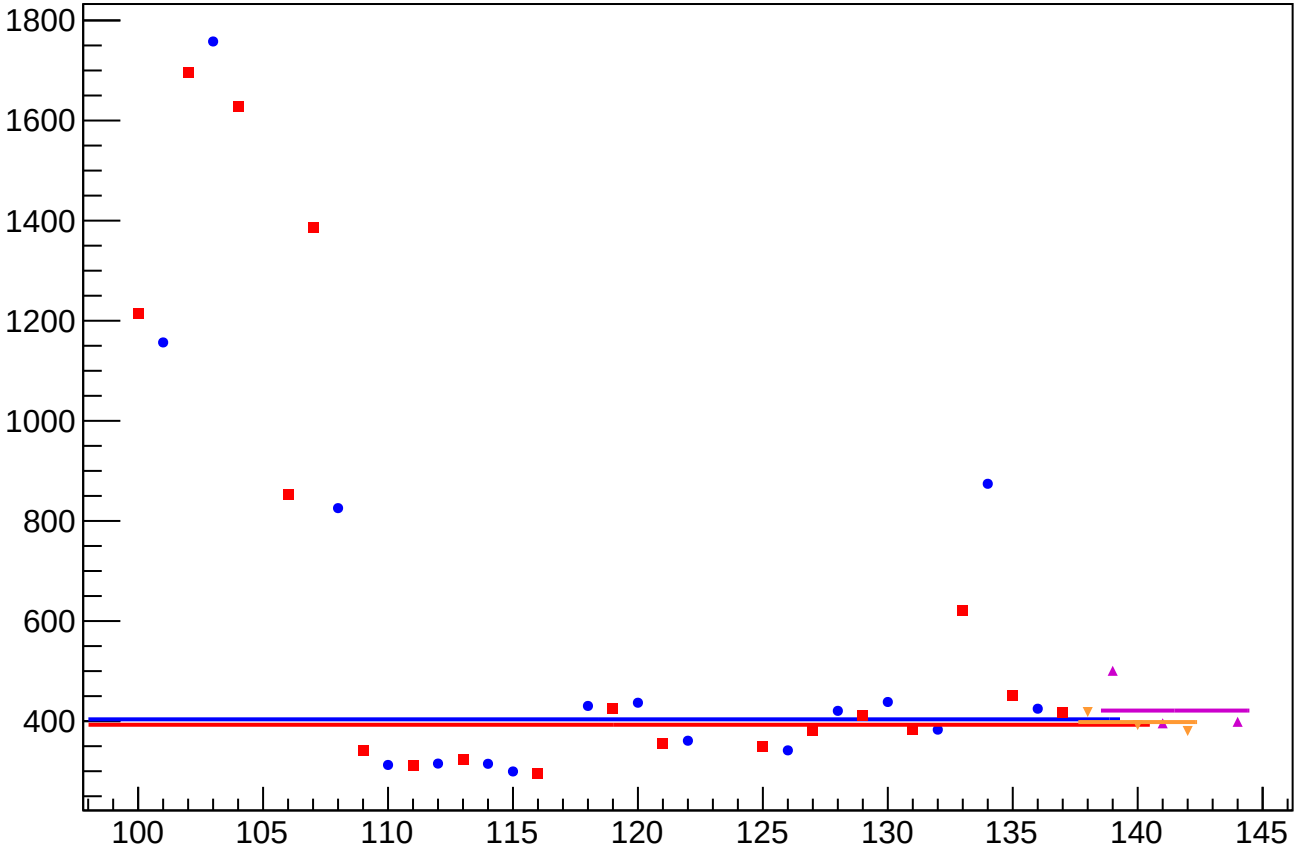
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 42.441+/-137.681 χ^2/NDF:22.3/18

Out: 158.712+/-138.121 χ^2/NDF:21.5/20

All: 100.391+/-97.510 χ^2/NDF: 44.1/39

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: 398.204+/-0.198 χ^2/NDF:5779.9/2

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 421.158+/-0.185 χ^2/NDF:55513.4/2

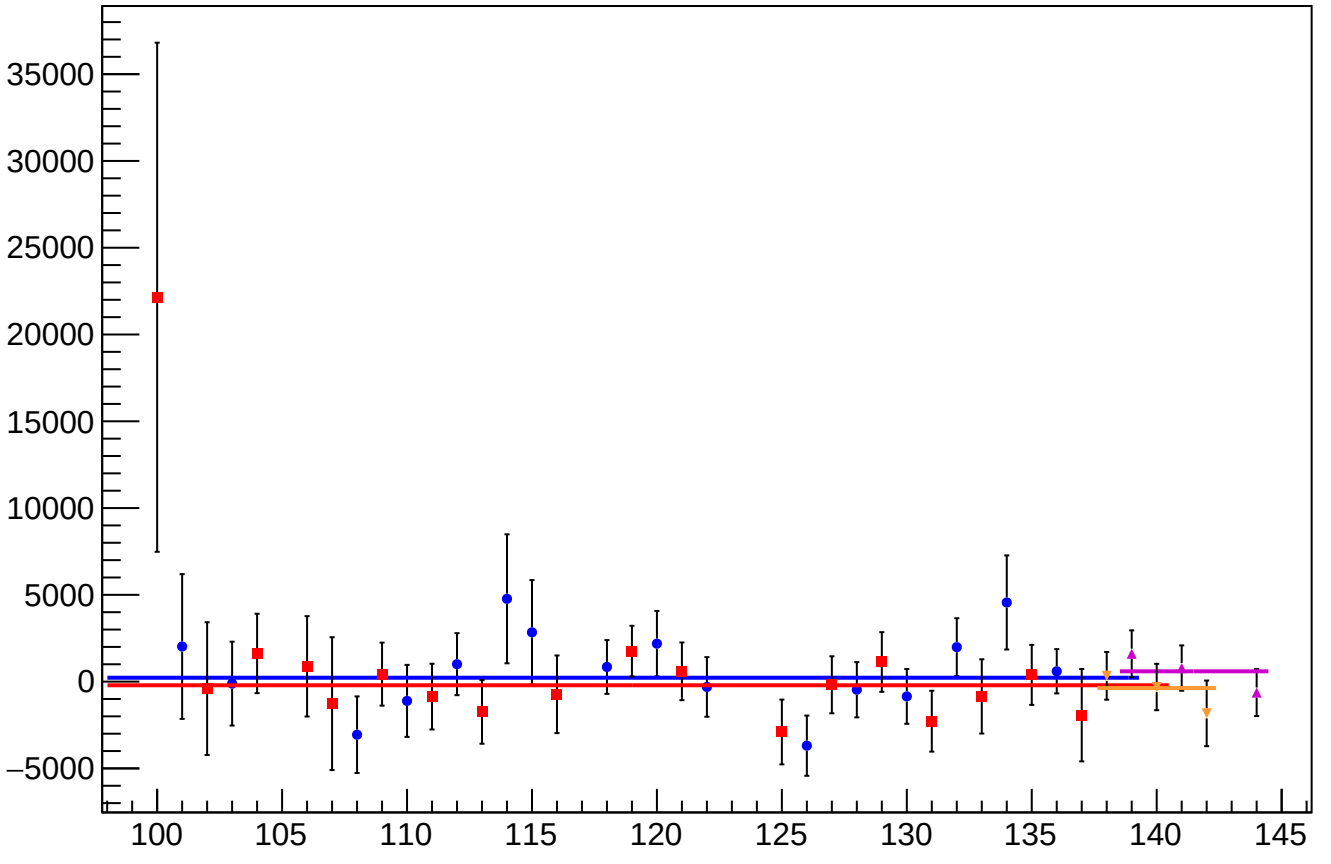
Left: 410.437+/-0.135 χ^2/NDF: 68467.9/5

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 408.490+/-0.097 χ^2/NDF:1991572.9/18

Out: 394.130+/-0.098 χ^2/NDF:2209803.4/20

All: 401.333+/-0.069 χ^2/NDF: 4212219.1/39



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -371.566+/-854.840 χ^2/NDF:0.9/2

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 593.874+/-770.554 χ^2/NDF:1.4/2

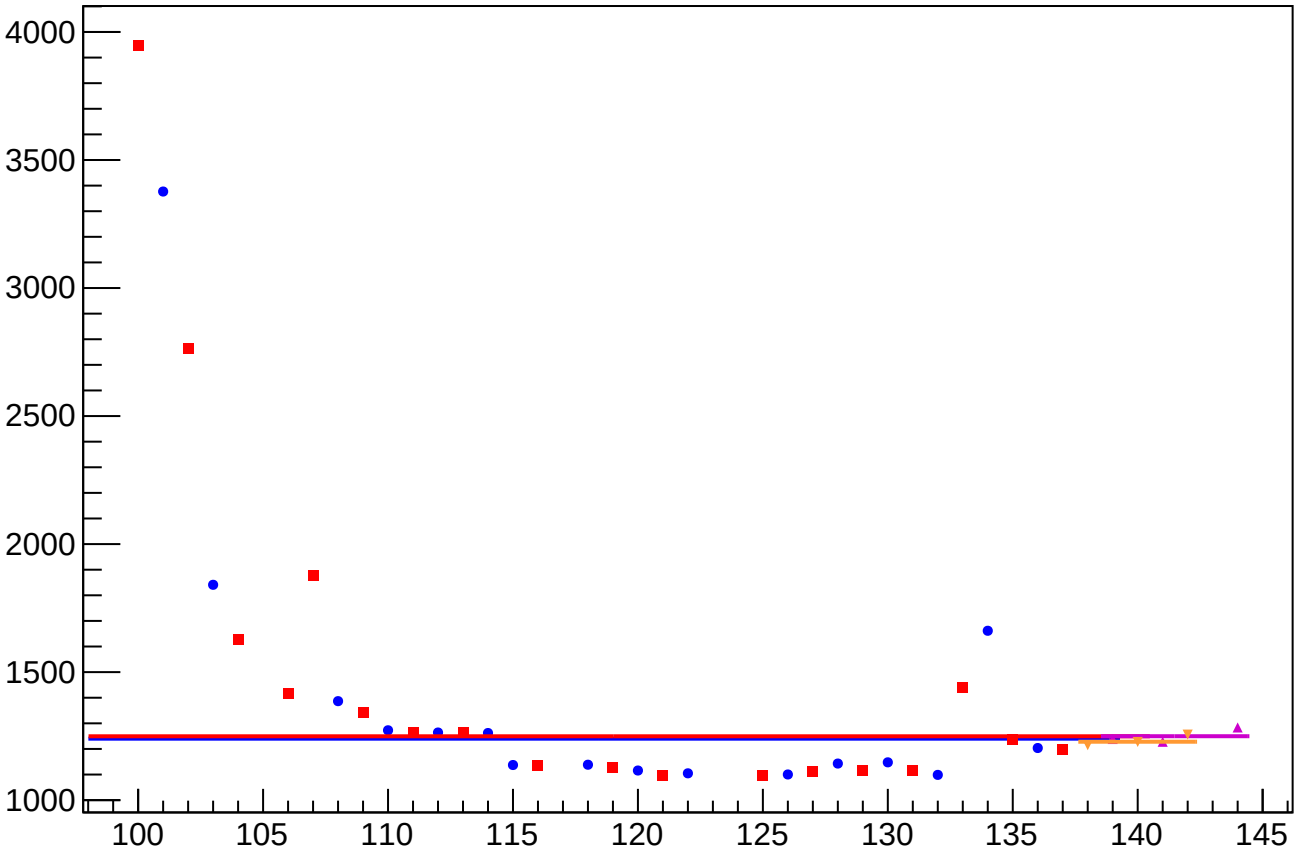
Left: 161.083+/-572.349 χ^2/NDF: 3.0/5

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 326.304+/-404.075 χ^2/NDF:17.7/18

Out: -248.272+/-417.086 χ^2/NDF:11.8/20

All: 48.118+/-290.215 χ^2/NDF: 30.5/39



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.207+/-0.604 χ^2/NDF:627.2/2

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1249.701+/-0.545 χ^2/NDF:1955.4/2

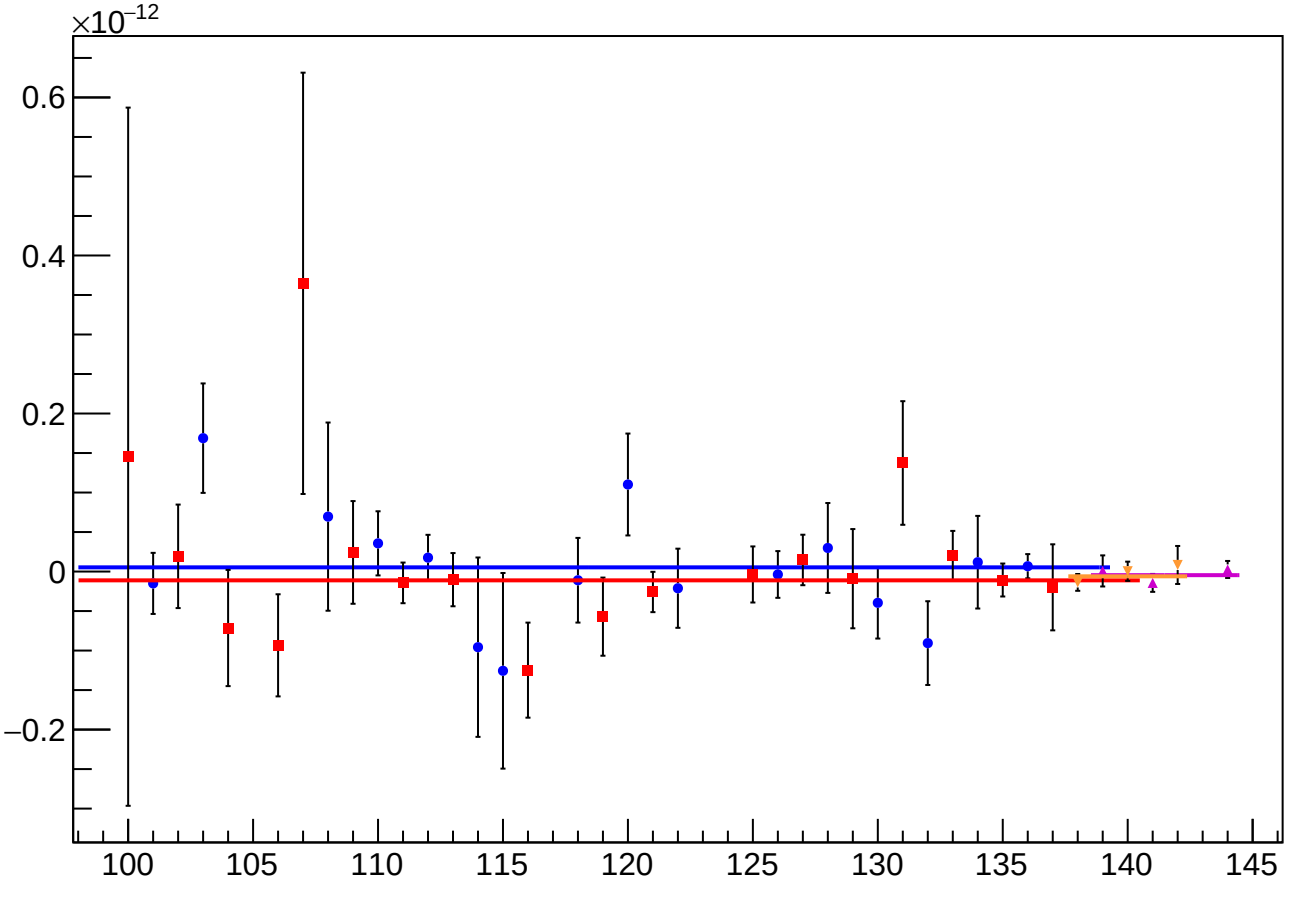
Left: 1240.066+/-0.405 χ^2/NDF: 3280.2/5

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1242.769+/-0.286 χ^2/NDF:784858.4/18

Out: 1244.363+/-0.295 χ^2/NDF:607663.9/20

All: 1243.541+/-0.205 χ^2/NDF: 1392537.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/2

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

Left In: -0.000+/-0.000 χ^2/NDF:1.3/2

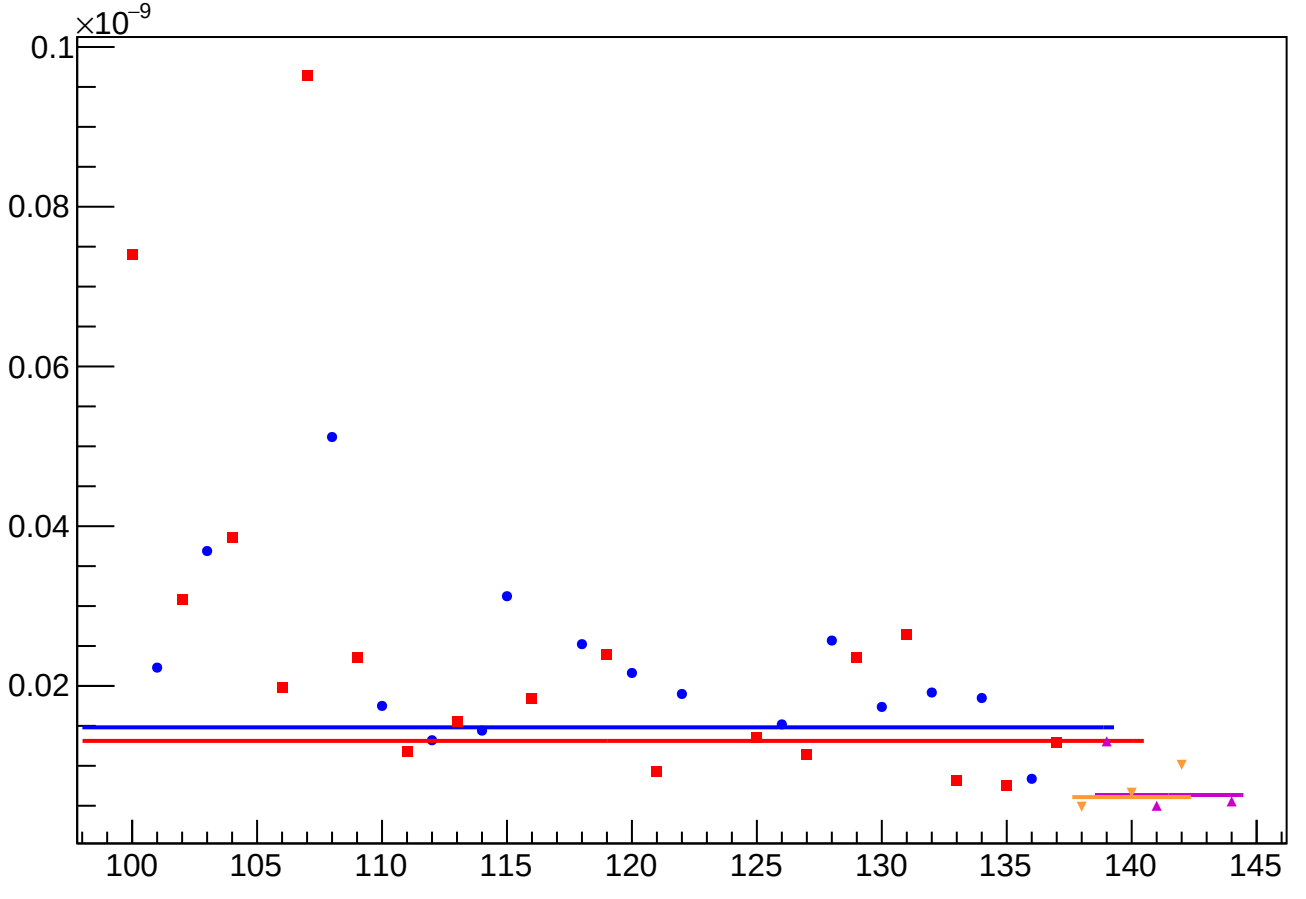
Left: -0.000+/-0.000 χ^2/NDF: 2.4/5

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:18.3/18

Out: -0.000+/-0.000 χ^2/NDF:16.4/20

All: -0.000+/-0.000 χ^2/NDF: 35.4/39



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:86096.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:272346.4/2

Left: 0.000+/-0.000 χ^2/NDF: 359679.5/5

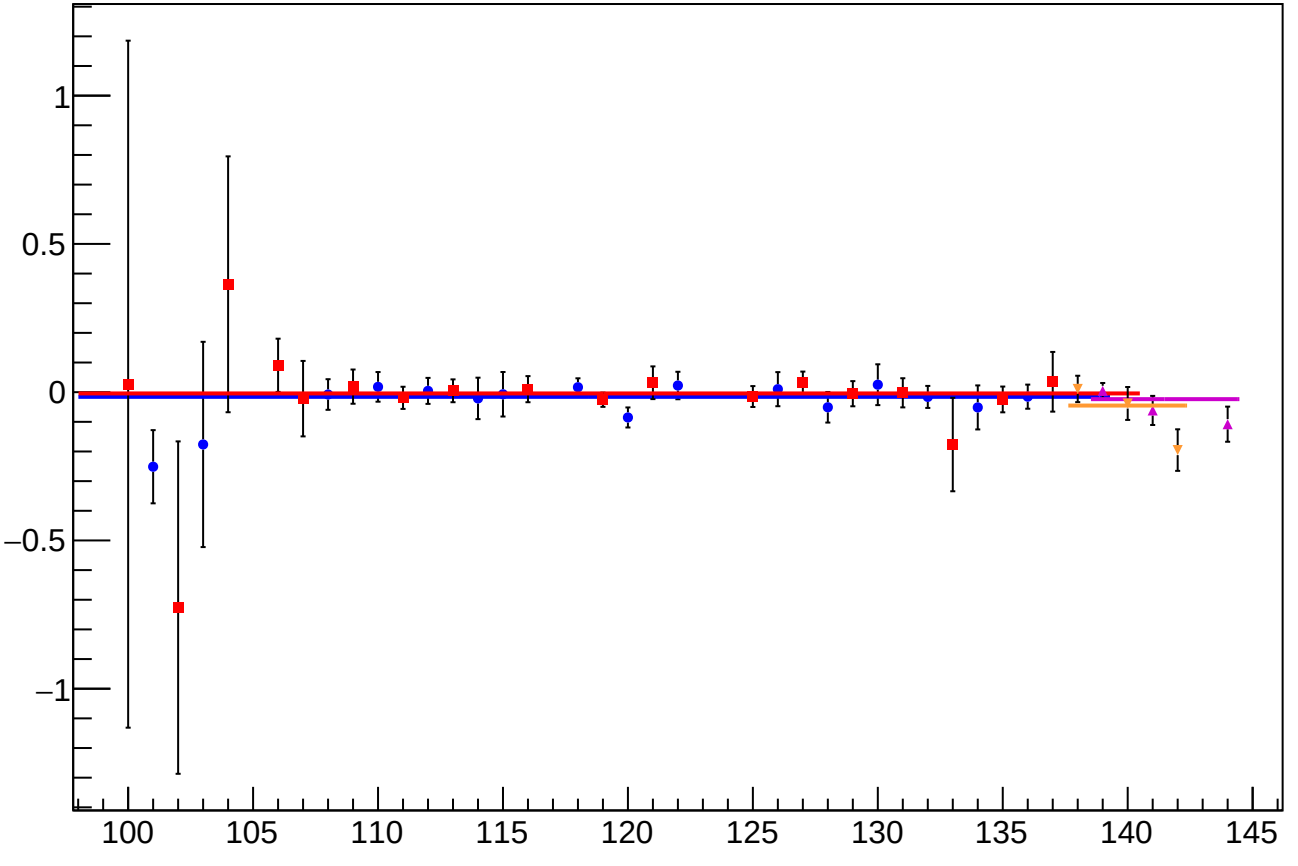
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2339318.5/18

Out: 0.000+/-0.000 χ^2/NDF:1948676.9/20

All: 0.000+/-0.000 χ^2/NDF: 4296139.2/39

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: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.024+/-0.022 χ^2/NDF:3.8/2

Left: -0.031+/-0.018 χ^2/NDF: 10.3/5

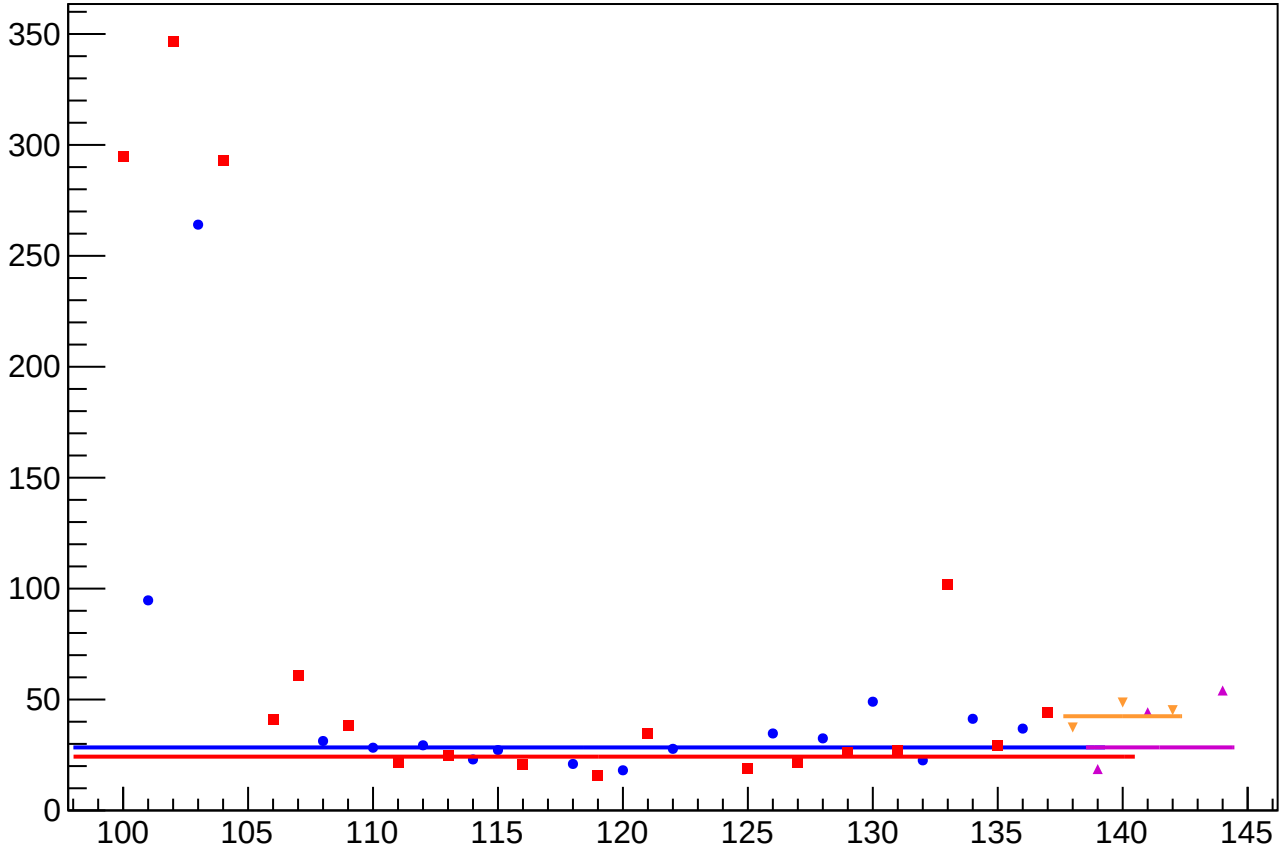
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.018+/-0.011 χ^2/NDF:15.8/18

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.013+/-0.008 χ^2/NDF: 31.6/39

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: 42.471+/-0.022 χ^2/NDF:53875.2/2

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 28.427+/-0.015 χ^2/NDF:854754.3/2

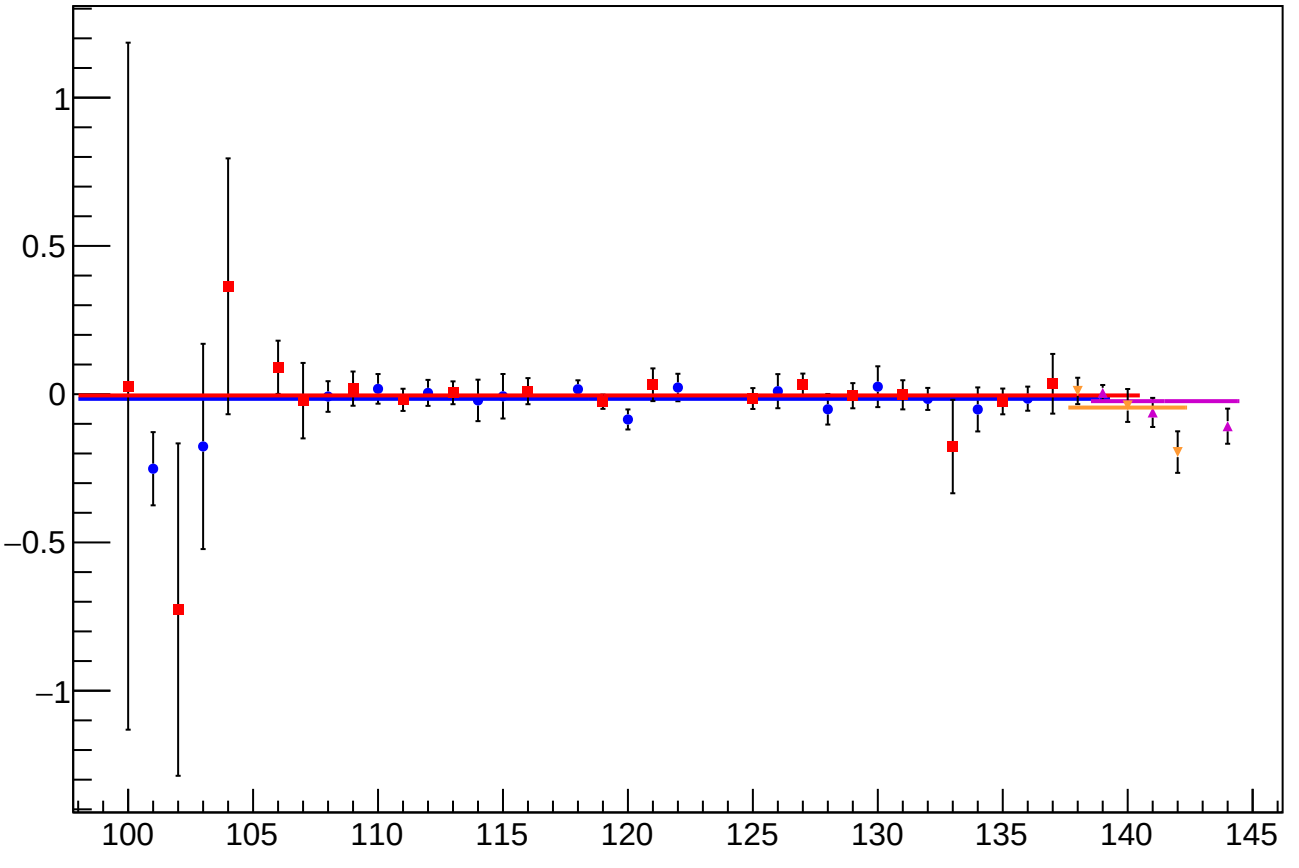
Left: 33.023+/-0.013 χ^2/NDF: 1182823.0/5

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.415+/-0.008 χ^2/NDF:3100397.9/18

Out: 26.425+/-0.008 χ^2/NDF:3571371.3/20

All: 27.423+/-0.005 χ^2/NDF: 6706244.9/39



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.024+/-0.022 χ^2/NDF:3.8/2

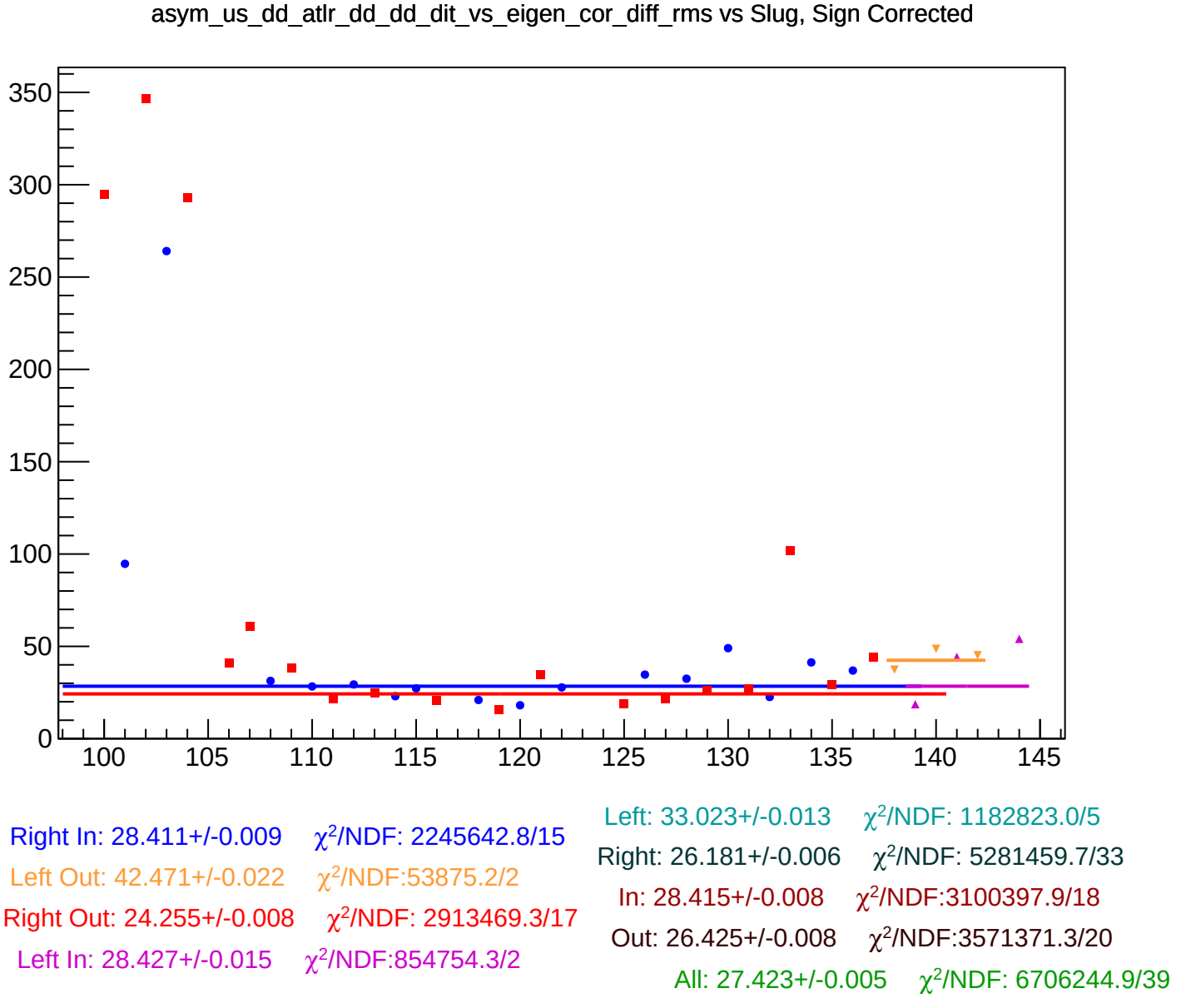
Left: -0.031+/-0.018 χ^2/NDF: 10.3/5

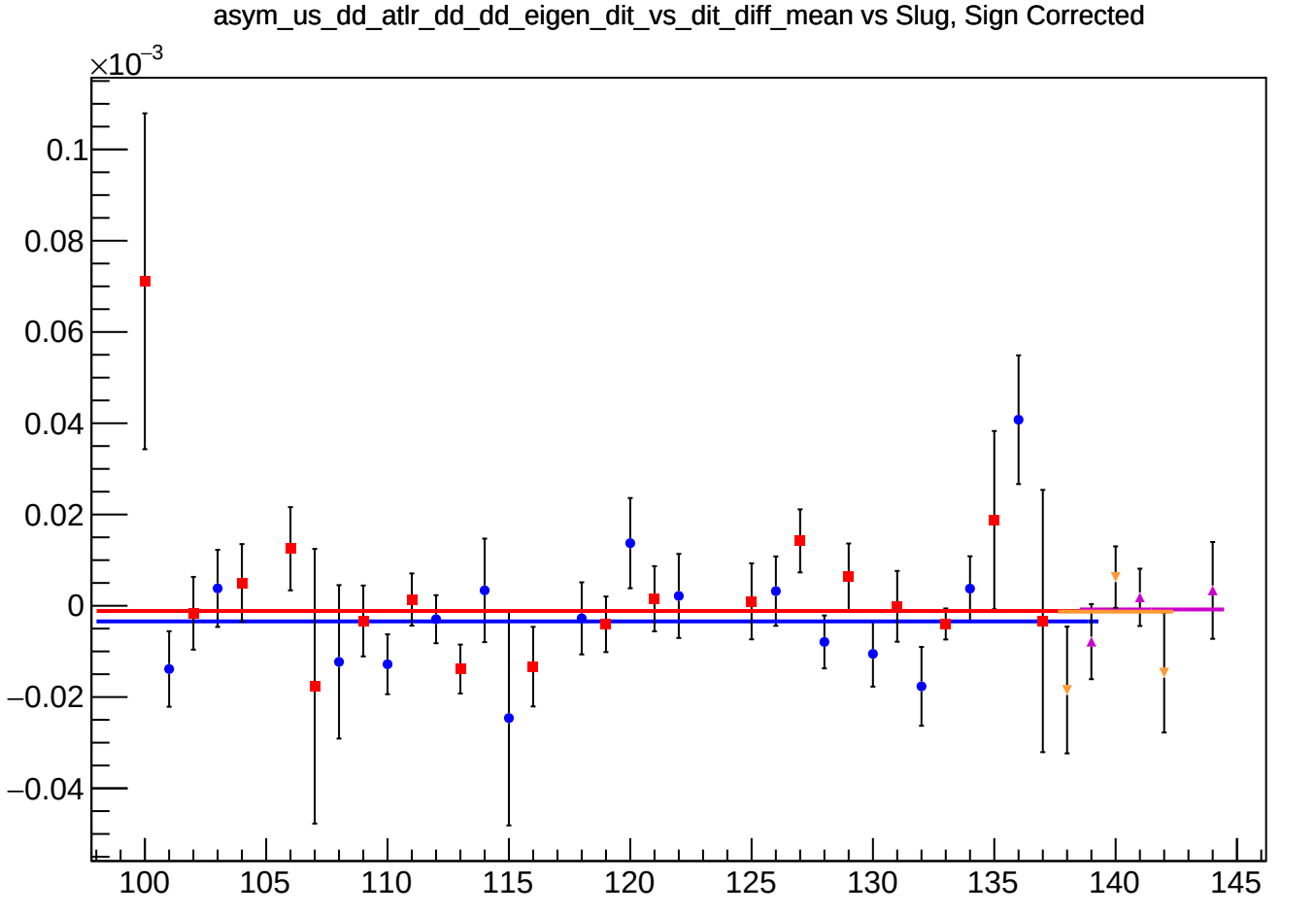
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

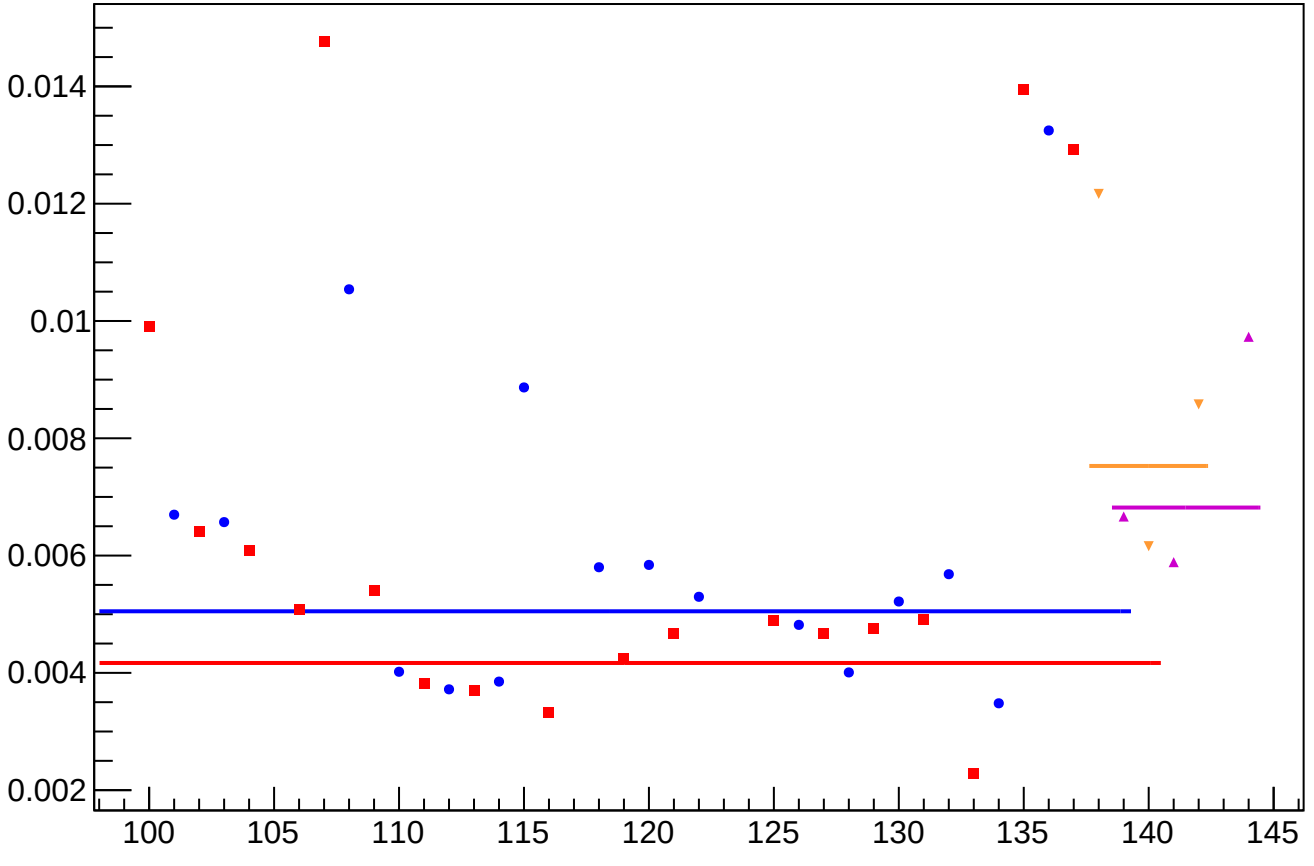
In: -0.018+/-0.011 χ^2/NDF:15.8/18

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.013+/-0.008 χ^2/NDF: 31.6/39


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
100
105
110
115
120
125
130
135
140
145
Right In: 28.411+/-0.009 χ2/NDF: 2245642.8/15
Left Out: 42.471+/-0.022 χ2/NDF:53875.2/2
Right Out: 24.255+/-0.008 χ2/NDF: 2913469.3/17
Left In: 28.427+/-0.015 χ2/NDF:854754.3/2
Left: 33.023+/-0.013 χ2/NDF: 1182823.0/5
Right: 26.181+/-0.006 χ2/NDF: 5281459.7/33
In: 28.415+/-0.008 χ2/NDF:3100397.9/18
Out: 26.425+/-0.008 χ2/NDF:3571371.3/20
All: 27.423+/-0.005 χ2/NDF: 6706244.9/39


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:3.8/2
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:1.1/2
Left: -0.000+/-0.000 χ²/NDF: 4.9/5
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:26.5/18
Out: -0.000+/-0.000 χ²/NDF:26.8/20
All: -0.000+/-0.000 χ²/NDF: 53.8/39



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:318527.0/2

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.007+/-0.000 χ^2/NDF:195339.2/2

Left: 0.007+/-0.000 χ^2/NDF: 533718.4/5

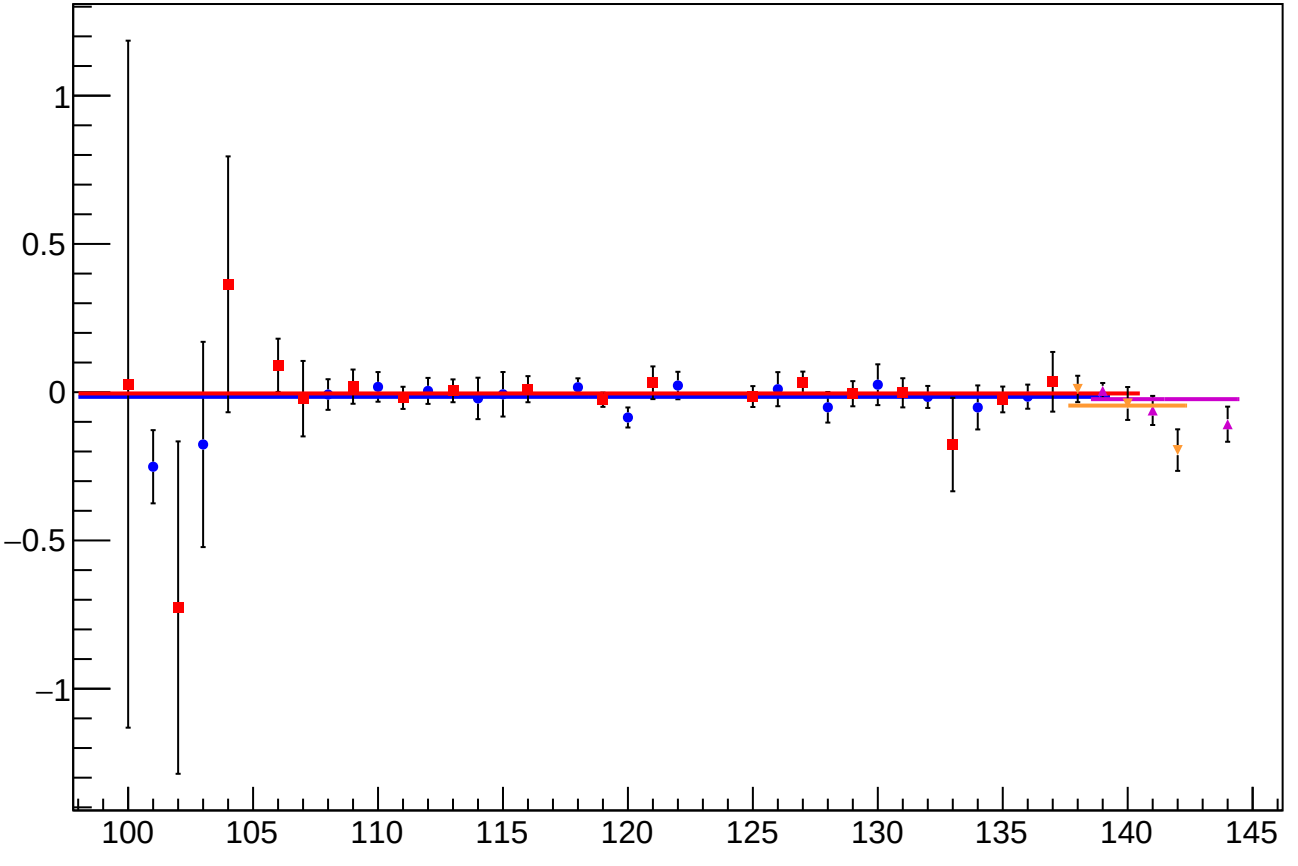
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:1945105.3/18

Out: 0.004+/-0.000 χ^2/NDF:3041214.4/20

All: 0.005+/-0.000 χ^2/NDF: 5245456.2/39

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.023+/-0.022 χ^2/NDF:3.8/2

Left: -0.031+/-0.018 χ^2/NDF: 10.3/5

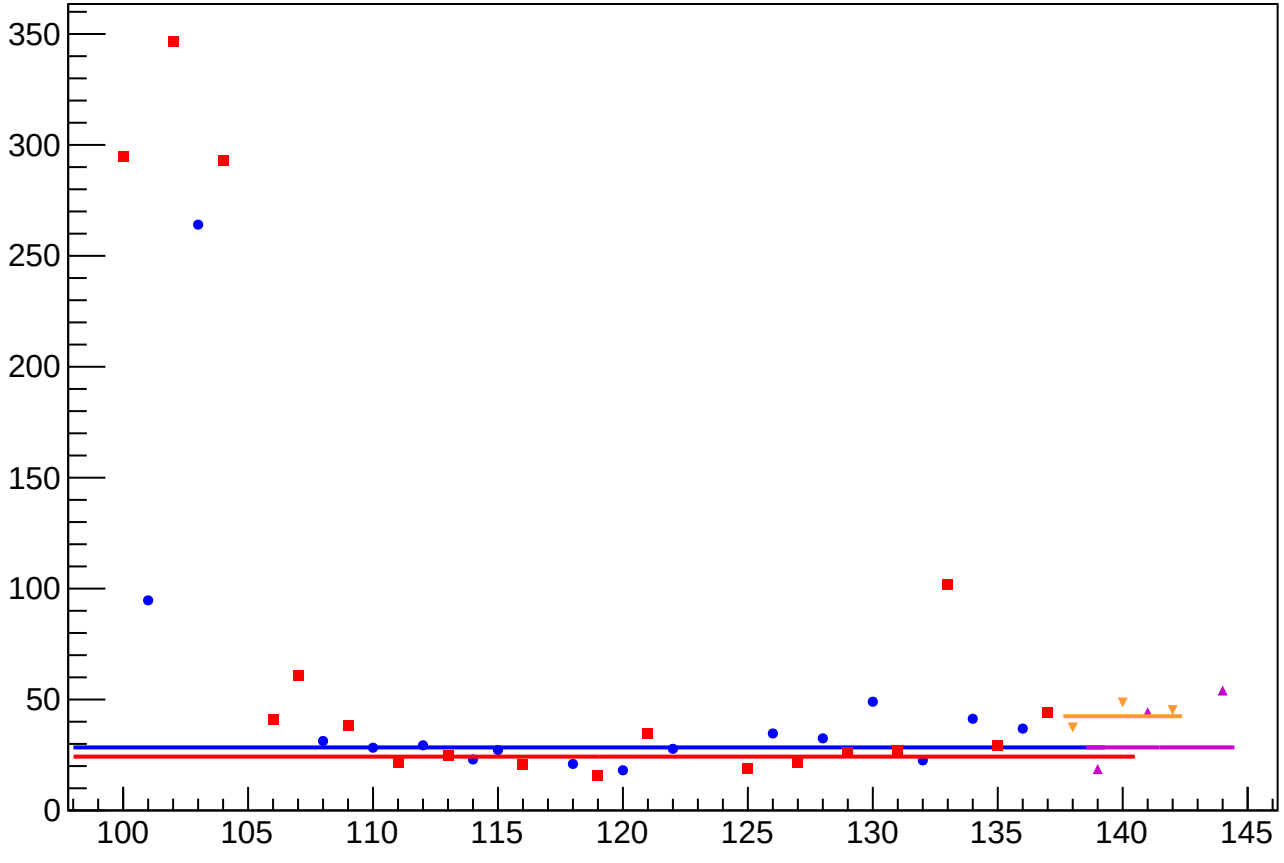
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.018+/-0.011 χ^2/NDF:15.8/18

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.013+/-0.008 χ^2/NDF: 31.6/39

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: 42.472+/-0.022 χ^2/NDF:53921.2/2

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 28.425+/-0.015 χ^2/NDF:855063.3/2

Left: 33.021+/-0.013 χ^2/NDF: 1183333.7/5

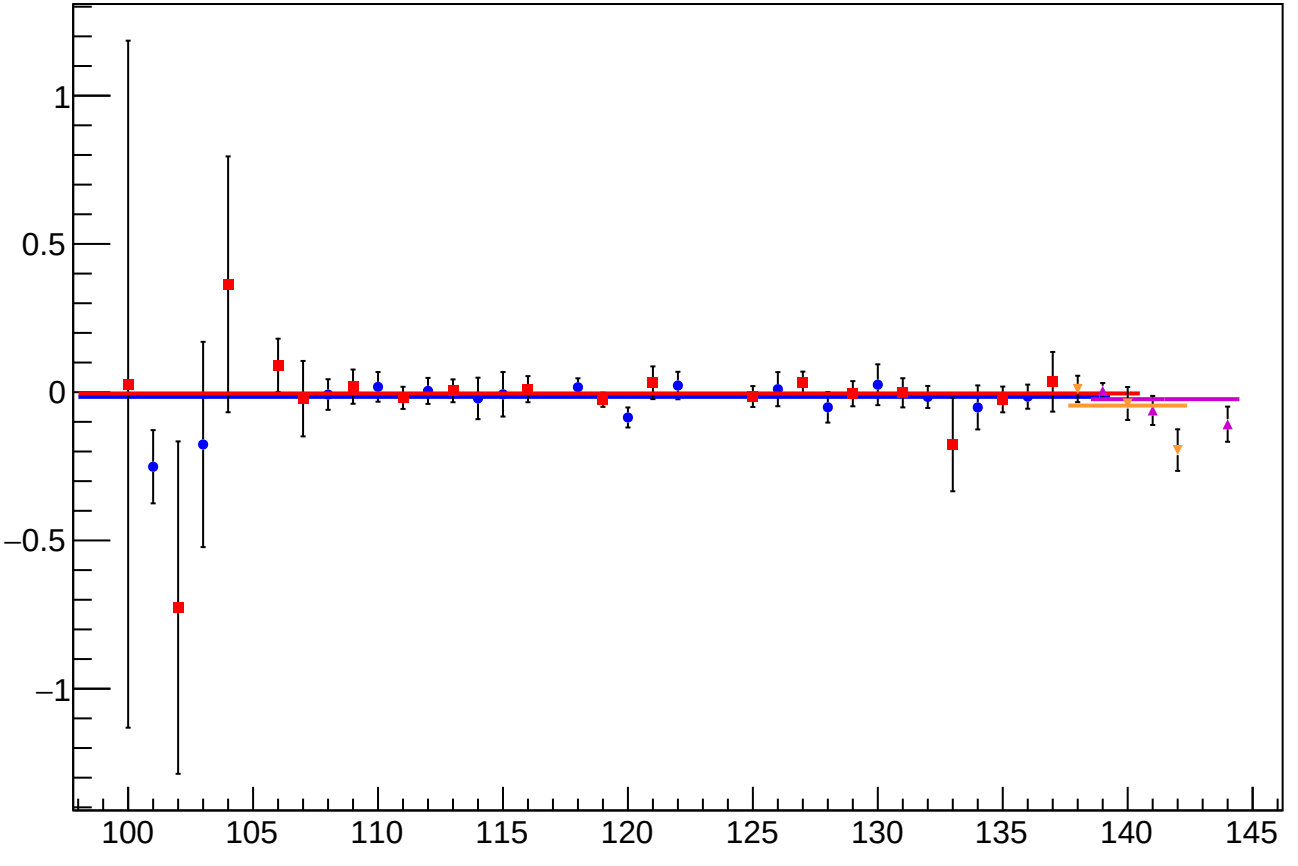
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.414+/-0.008 χ^2/NDF:3100727.3/18

Out: 26.423+/-0.008 χ^2/NDF:3571846.1/20

All: 27.422+/-0.005 χ^2/NDF: 6707082.3/39

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: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.023+/-0.022 χ^2/NDF:3.8/2

Left: -0.031+/-0.018 χ^2/NDF: 10.3/5

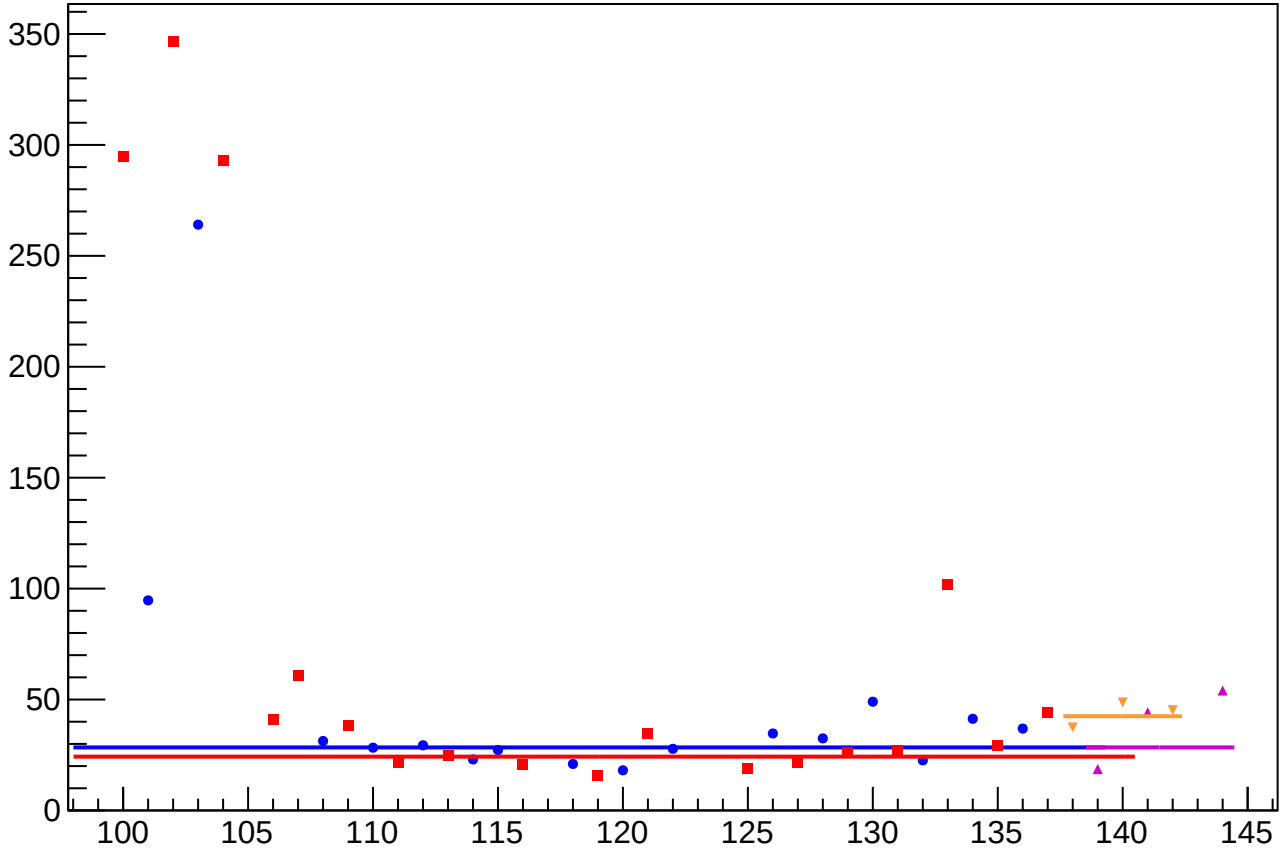
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.018+/-0.011 χ^2/NDF:15.8/18

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.013+/-0.008 χ^2/NDF: 31.6/39

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: 42.472+/-0.022 χ^2/NDF:53921.2/2

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 28.425+/-0.015 χ^2/NDF:855063.3/2

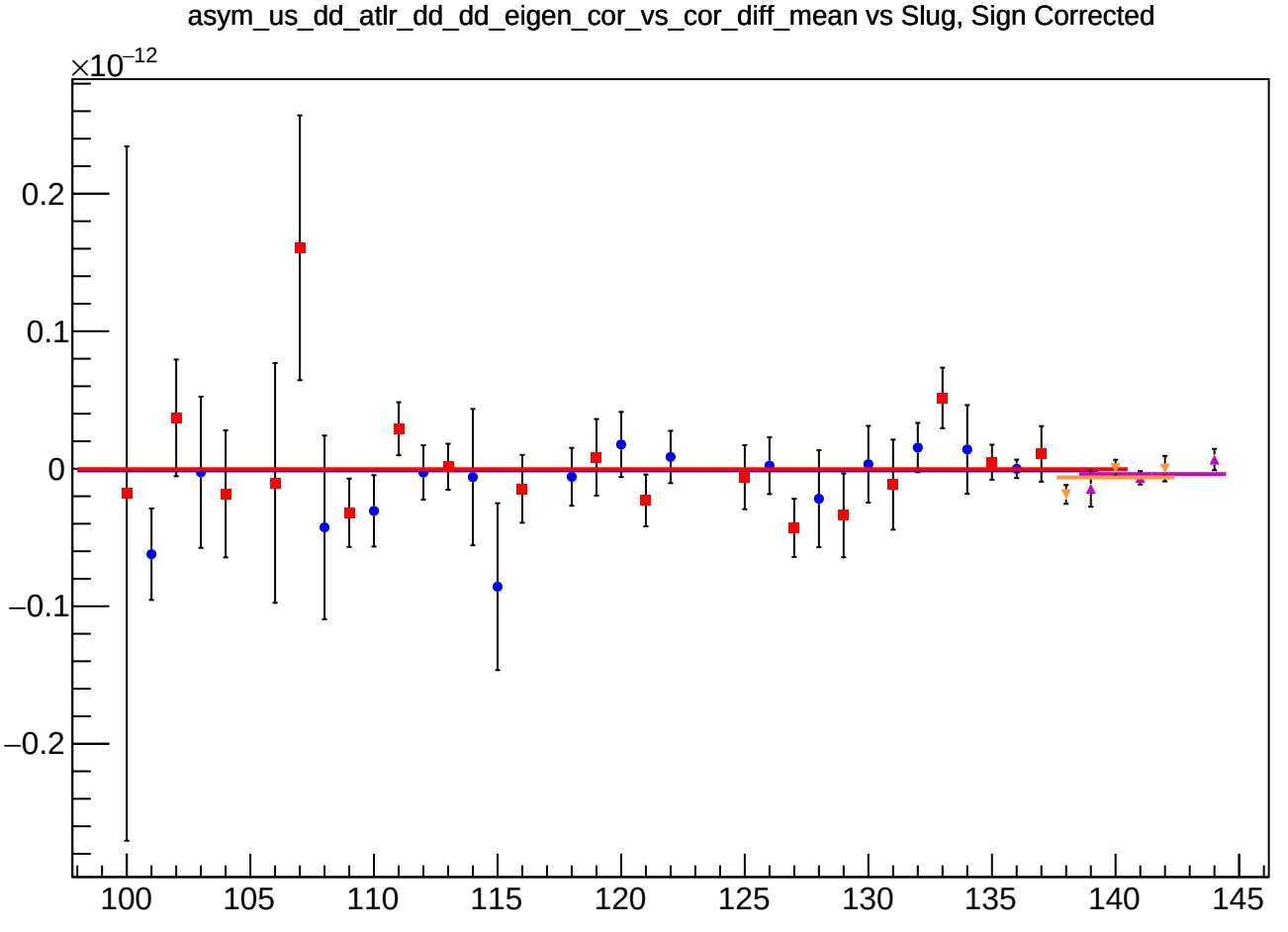
Left: 33.021+/-0.013 χ^2/NDF: 1183333.7/5

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.414+/-0.008 χ^2/NDF:3100727.3/18

Out: 26.423+/-0.008 χ^2/NDF:3571846.1/20

All: 27.422+/-0.005 χ^2/NDF: 6707082.3/39



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/2

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/2

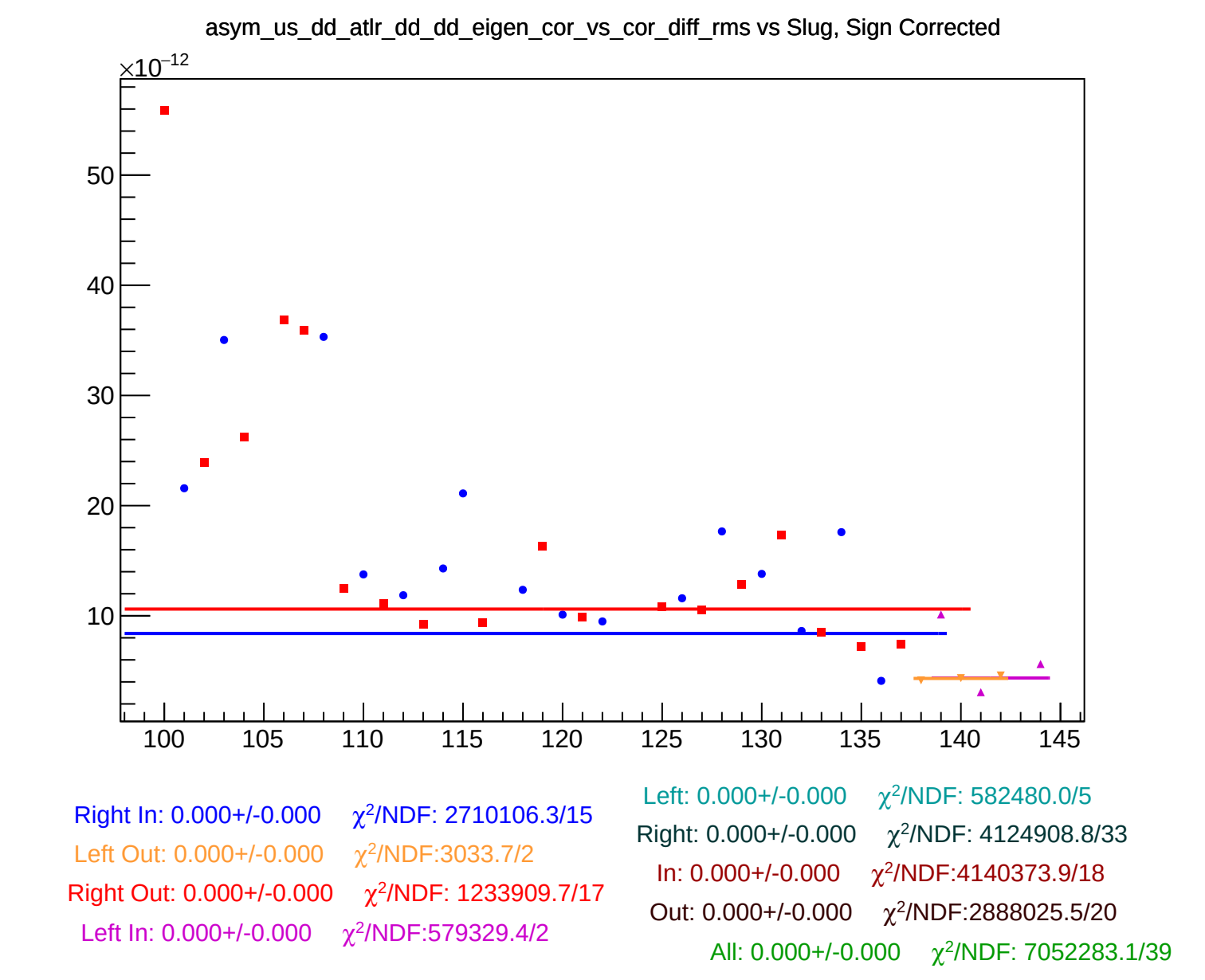
Left: -0.000+/-0.000 χ^2/NDF: 8.0/5

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

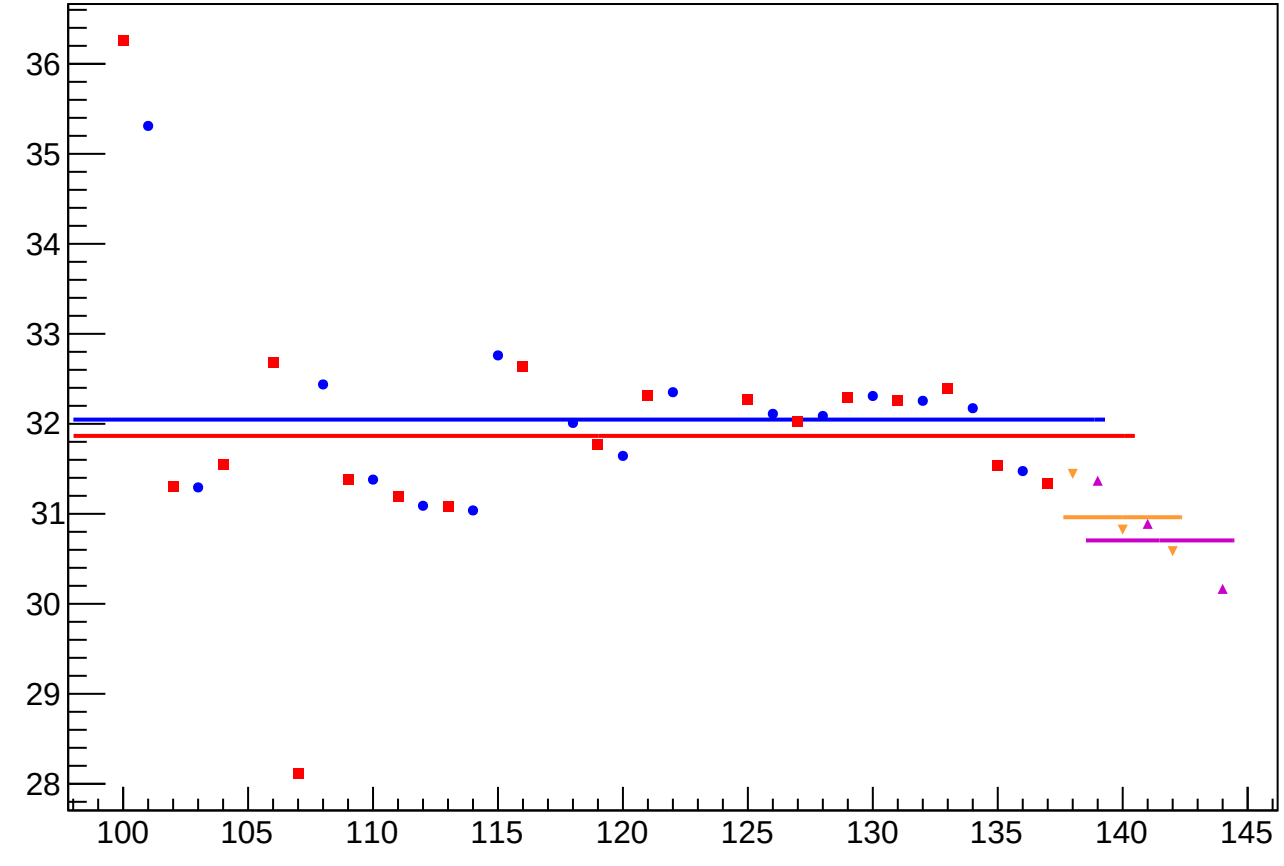
In: -0.000+/-0.000 χ^2/NDF:12.5/18

Out: -0.000+/-0.000 χ^2/NDF:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 39.4/39


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3033.7/2
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:579329.4/2
Left: 0.000+/-0.000 χ²/NDF: 582480.0/5
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4140373.9/18
Out: 0.000+/-0.000 χ²/NDF:2888025.5/20
All: 0.000+/-0.000 χ²/NDF: 7052283.1/39

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.962+/-0.000 χ^2/NDF:25946324.0/2

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 30.704+/-0.000 χ^2/NDF:57540407.1/2

Left: 30.819+/-0.000 χ^2/NDF: 91592298.1/5

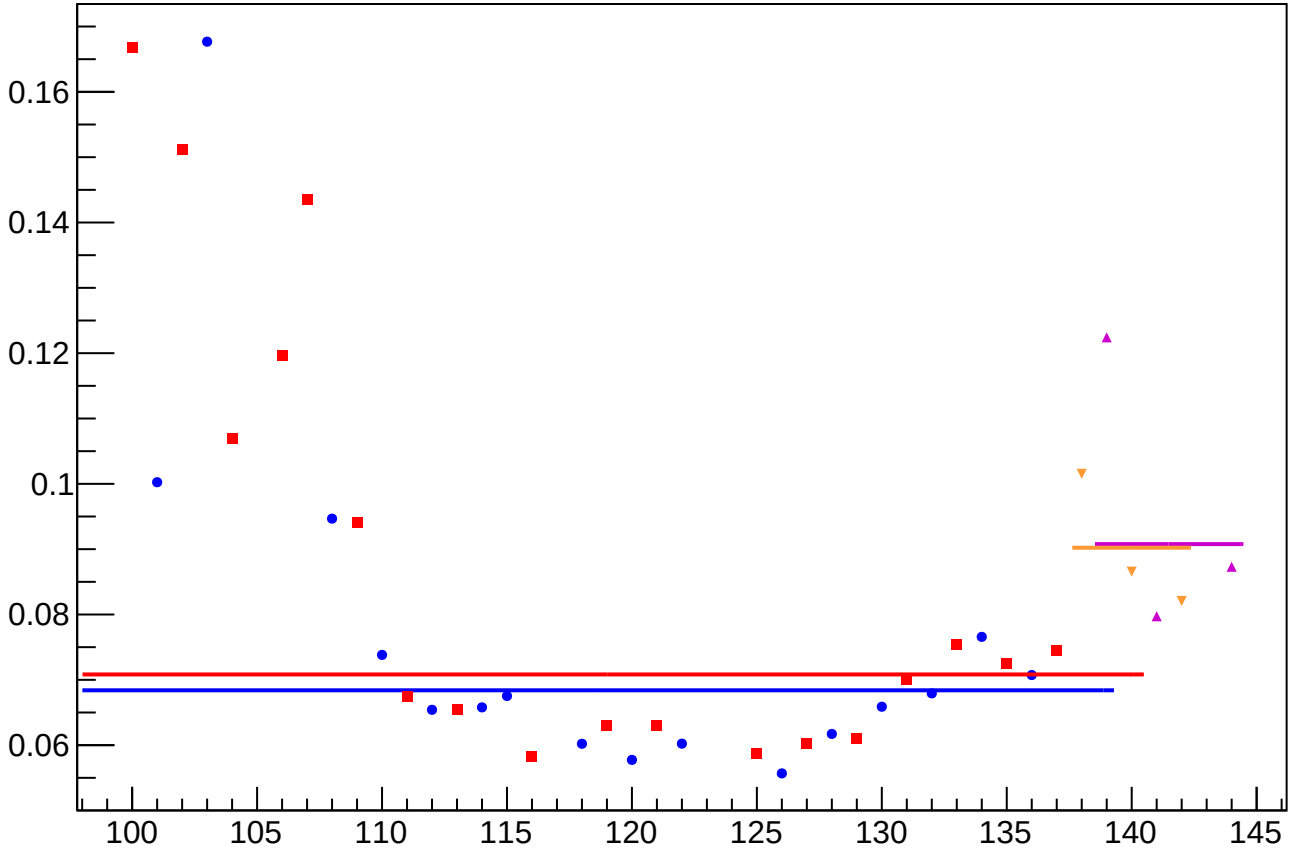
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.818+/-0.000 χ^2/NDF:1367400239.8/18

Out: 31.730+/-0.000 χ^2/NDF:664143891.7/20

All: 31.776+/-0.000 χ^2/NDF: 2037461460.3/3

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.090+/-0.000 χ^2/NDF:27831.8/2

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.091+/-0.000 χ^2/NDF:136392.0/2

Left: 0.091+/-0.000 χ^2/NDF: 164299.2/5

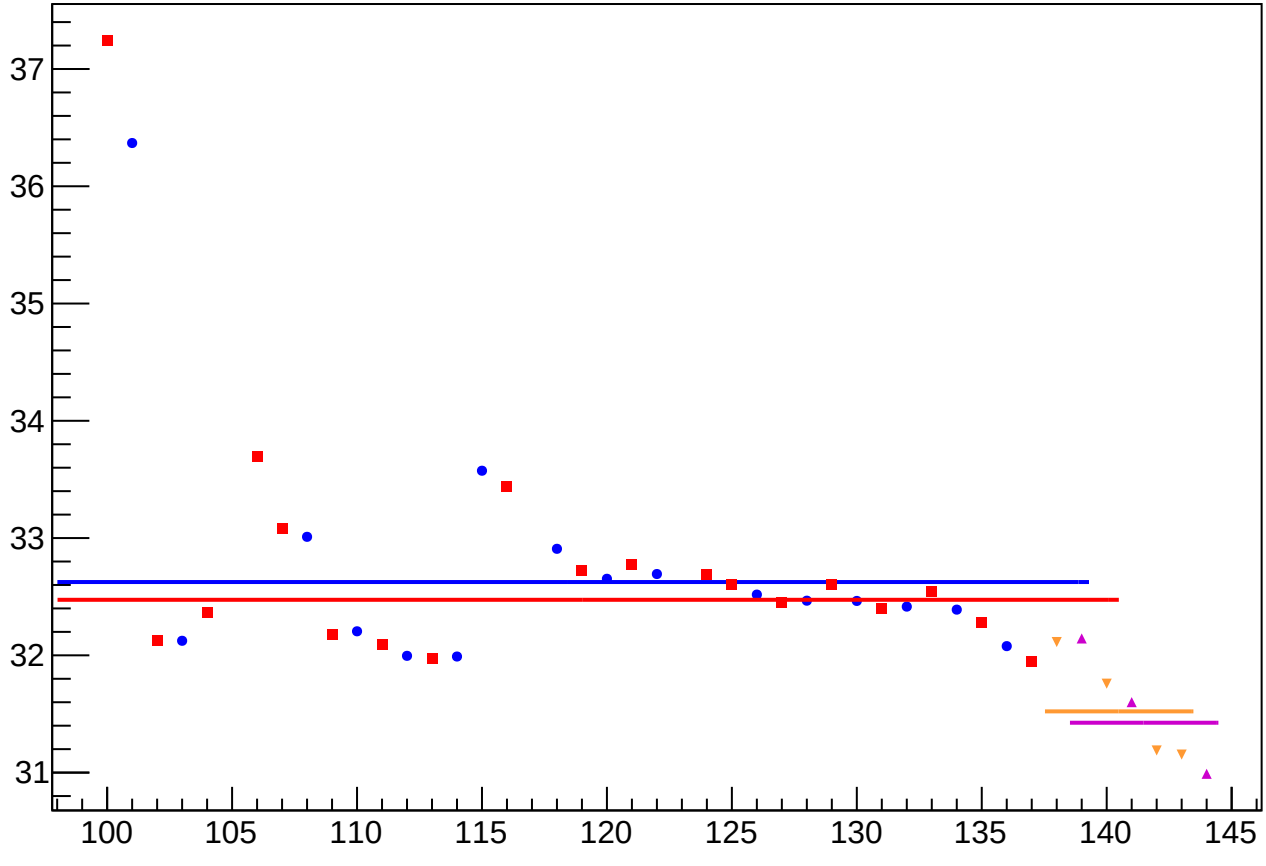
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.072+/-0.000 χ^2/NDF:1068147.1/18

Out: 0.074+/-0.000 χ^2/NDF:1036350.2/20

All: 0.073+/-0.000 χ^2/NDF: 2108050.0/39

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.522+/-0.000 χ^2/NDF:55297577.8/3

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.425+/-0.000 χ^2/NDF:55406726.8/2

Left: 31.476+/-0.000 χ^2/NDF: 112354755.0/6

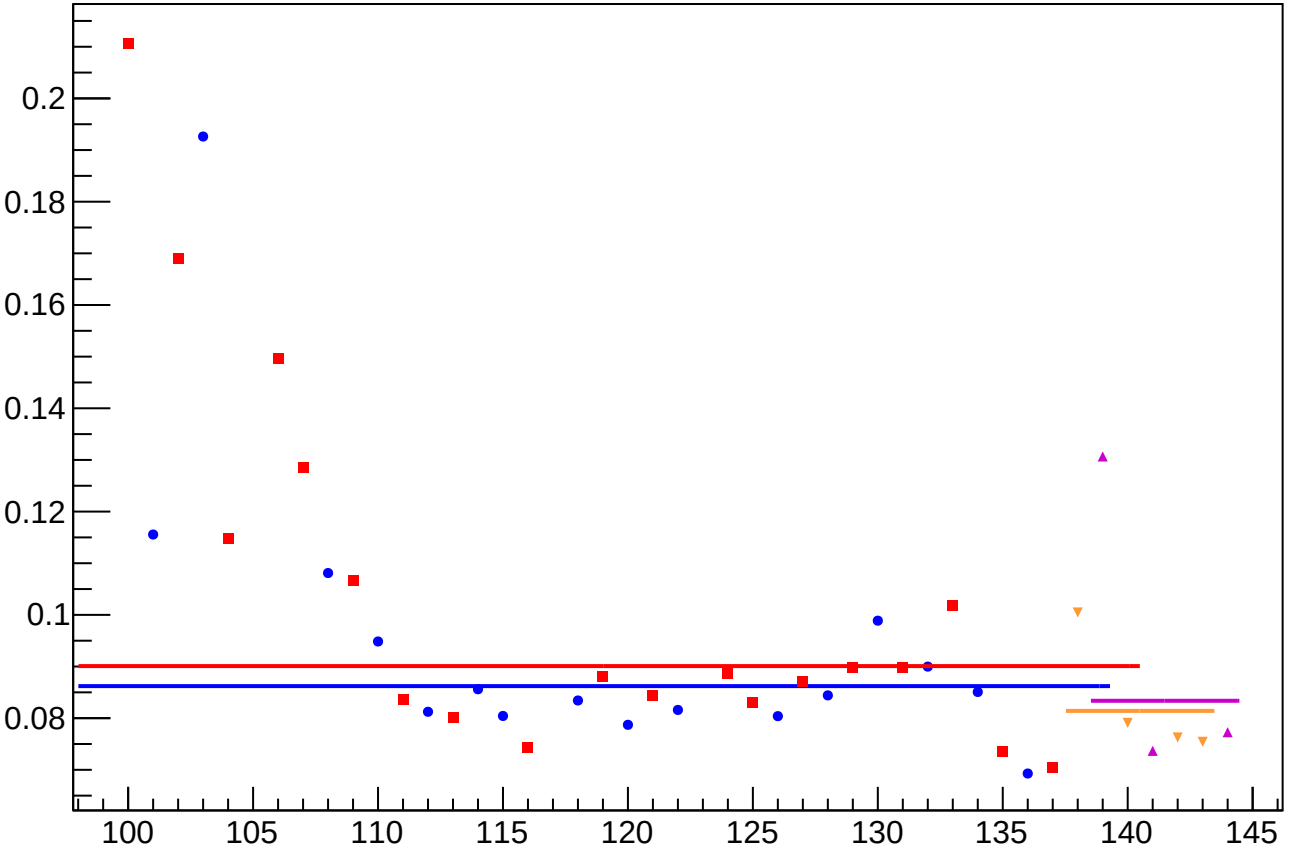
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.286+/-0.000 χ^2/NDF:1138080778.9/18

Out: 32.169+/-0.000 χ^2/NDF:442089507.0/22

All: 32.228+/-0.000 χ^2/NDF: 1588176217.3/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.081+/-0.000 χ^2/NDF:65094.1/3

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.083+/-0.000 χ^2/NDF:251877.5/2

Left: 0.082+/-0.000 χ^2/NDF: 318319.8/6

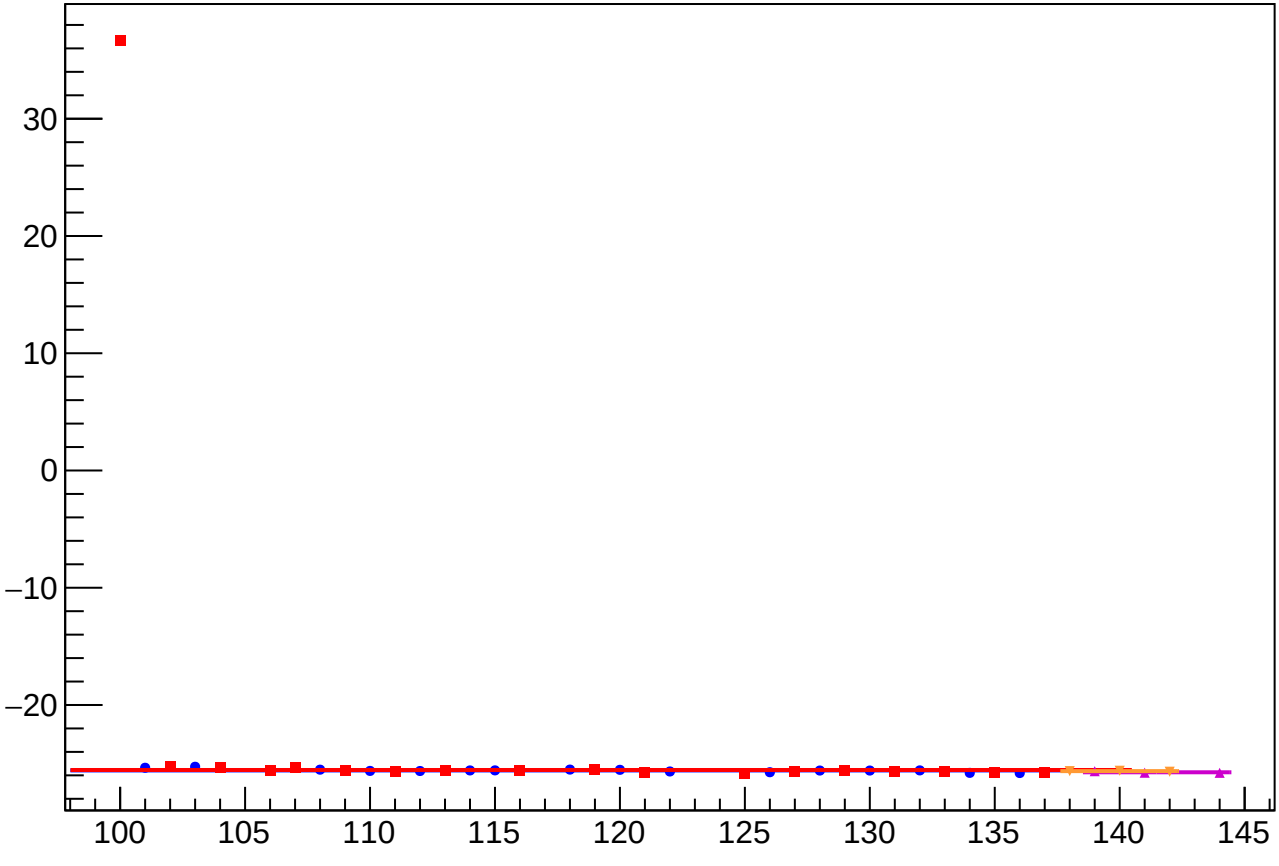
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.085+/-0.000 χ^2/NDF:854441.2/18

Out: 0.087+/-0.000 χ^2/NDF:725168.4/22

All: 0.086+/-0.000 χ^2/NDF: 1583863.4/41

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.640+/-0.000 χ^2/NDF:1004891.1/2

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.739+/-0.000 χ^2/NDF:5131926.9/2

Left: -25.695+/-0.000 χ^2/NDF: 11976258.2/5

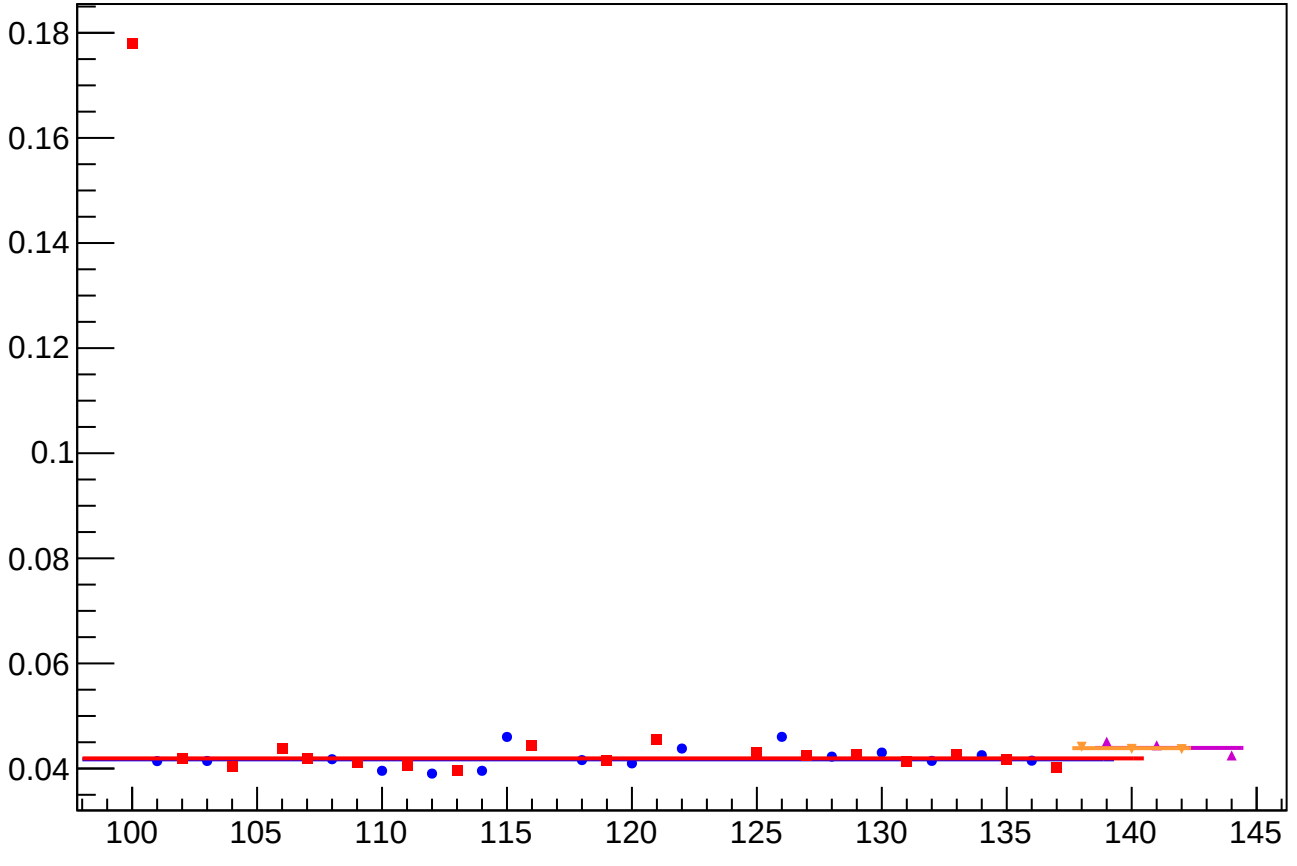
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.618+/-0.000 χ^2/NDF:129399556.0/18

Out: -25.563+/-0.000 χ^2/NDF:8916262159.8/20

All: -25.592+/-0.000 χ^2/NDF: 9053703428.7/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:87.8/2

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:3373.2/2

Left: 0.044+/-0.000 χ^2/NDF: 3463.5/5

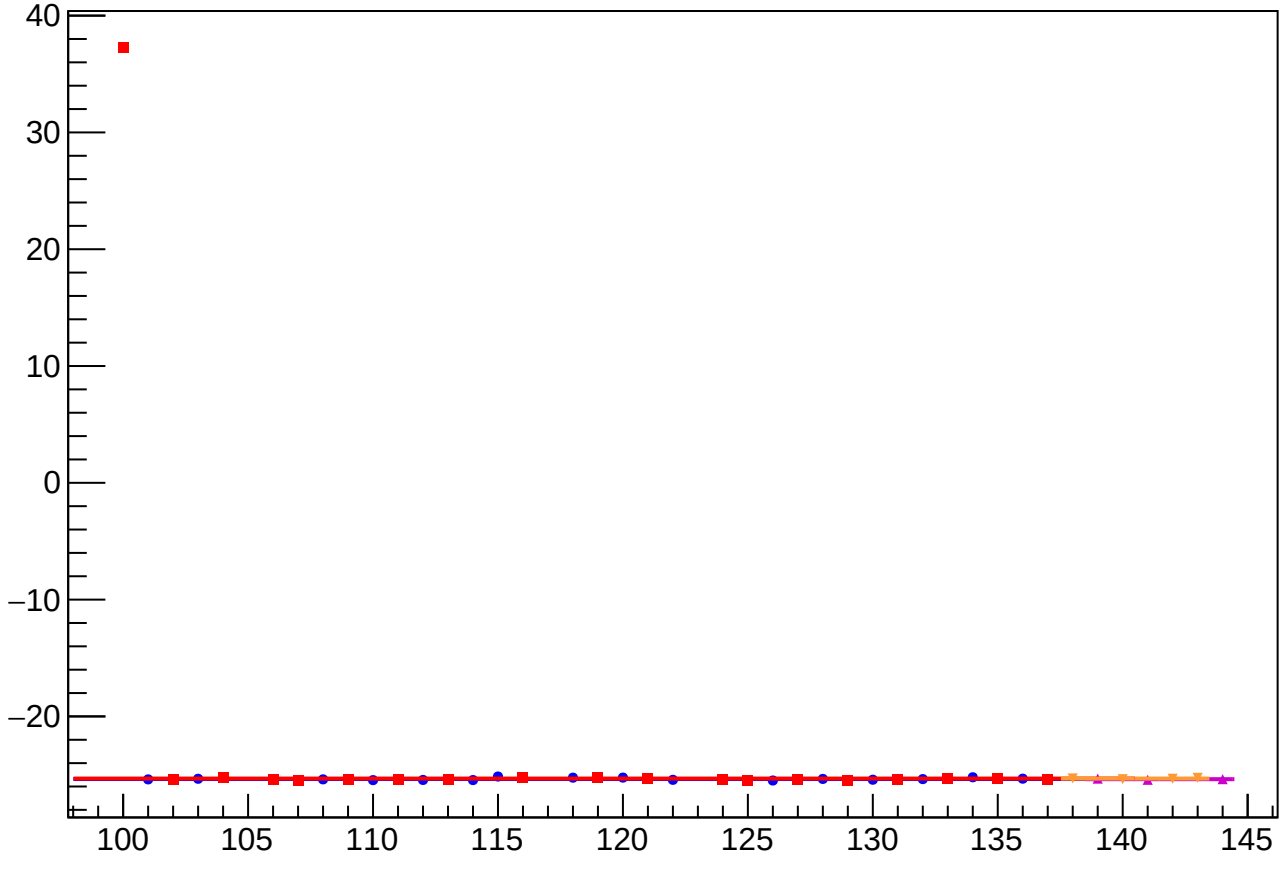
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:33671.5/18

Out: 0.042+/-0.000 χ^2/NDF:106614.7/20

All: 0.042+/-0.000 χ^2/NDF: 140296.0/39

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.320+/-0.000 χ^2/NDF:1637382.9/3

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.373+/-0.000 χ^2/NDF:1261034.0/2

Left: -25.345+/-0.000 χ^2/NDF: 4023448.6/6

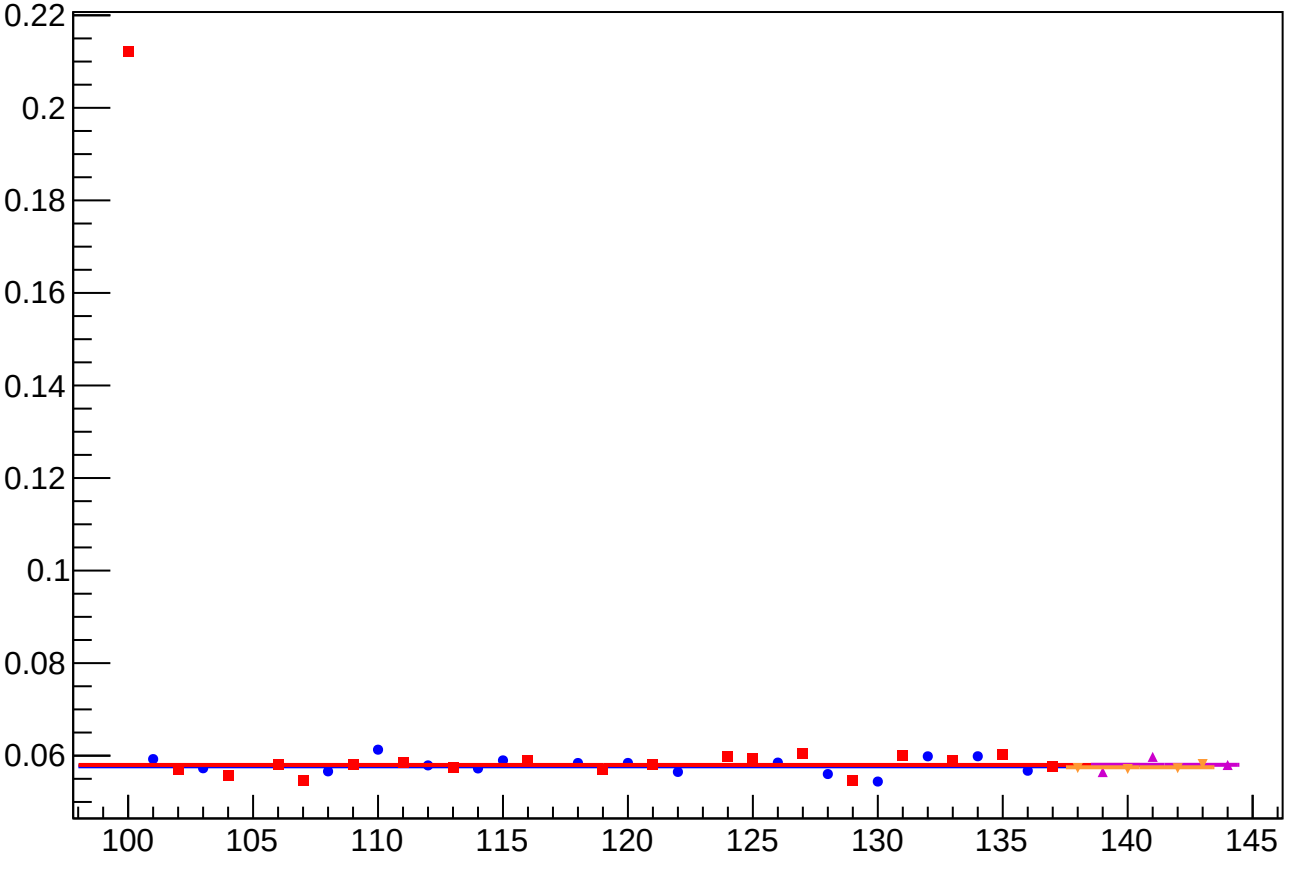
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.364+/-0.000 χ^2/NDF:14640452.0/18

Out: -25.322+/-0.000 χ^2/NDF:6316546682.2/22

All: -25.342+/-0.000 χ^2/NDF: 6333783927.3/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:318.2/3

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:2667.0/2

Left: 0.058+/-0.000 χ^2/NDF: 3209.6/6

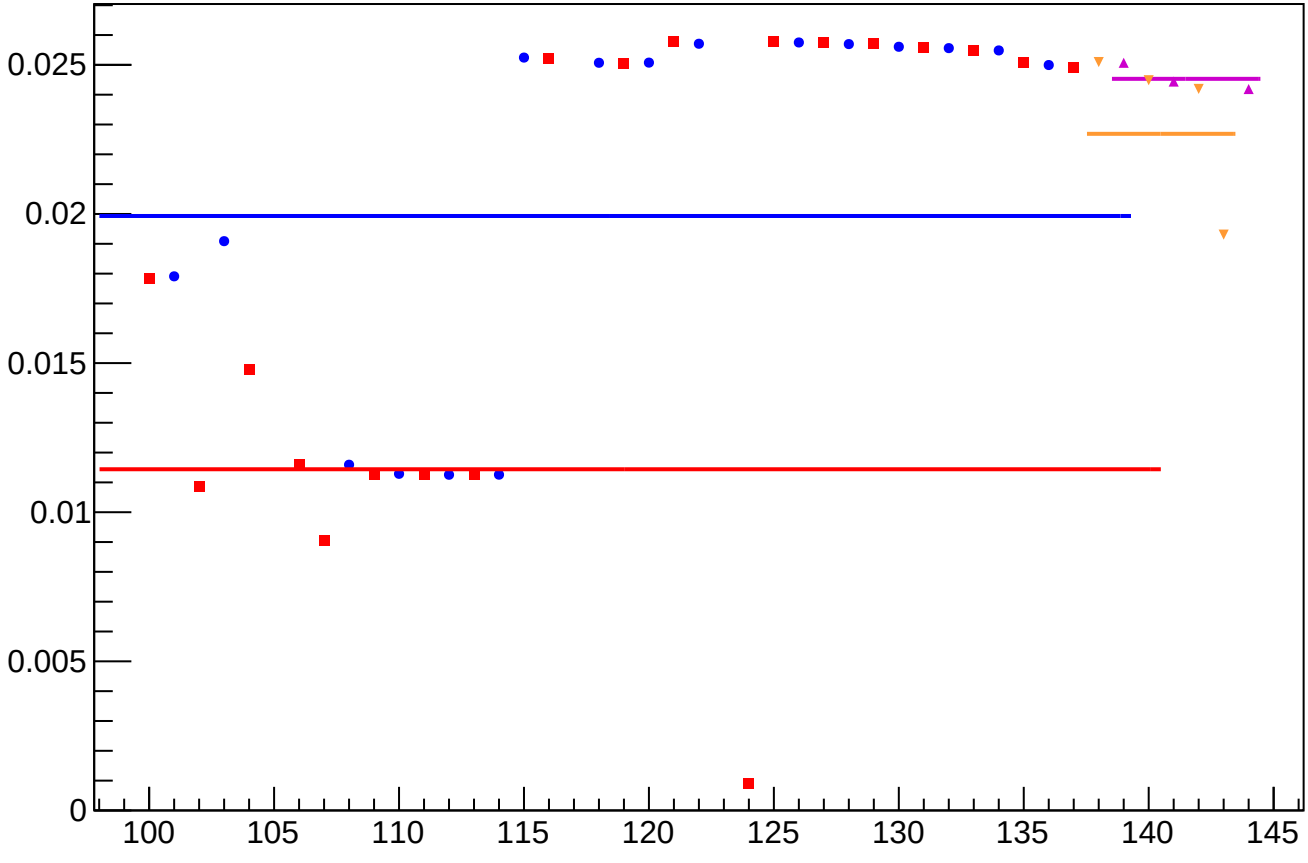
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14548.0/18

Out: 0.058+/-0.000 χ^2/NDF:89306.1/22

All: 0.058+/-0.000 χ^2/NDF: 103868.0/41

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3283544502.3/3

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:46434180.7/2

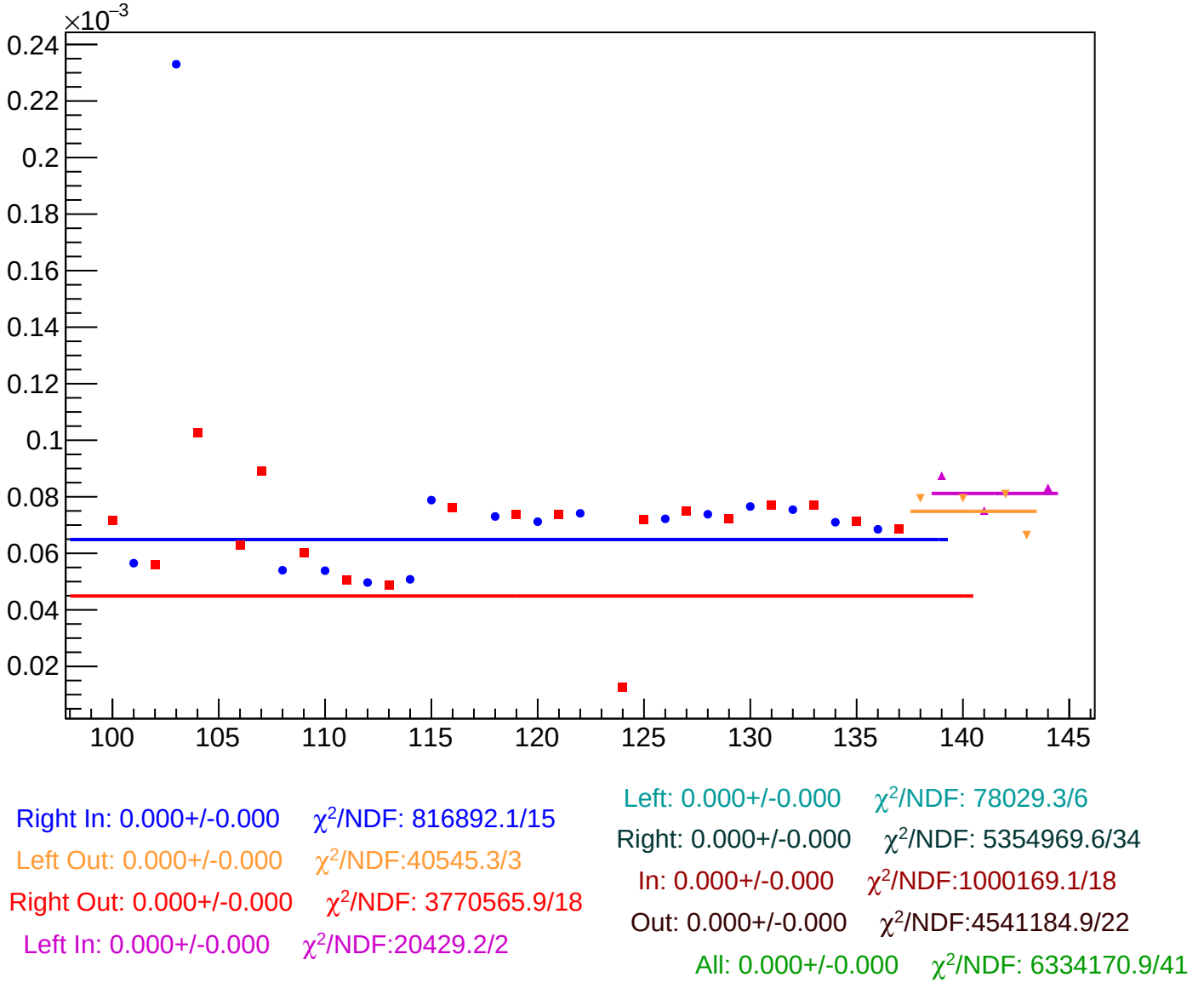
Left: 0.023+/-0.000 χ^2/NDF: 4055983623.5/6

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

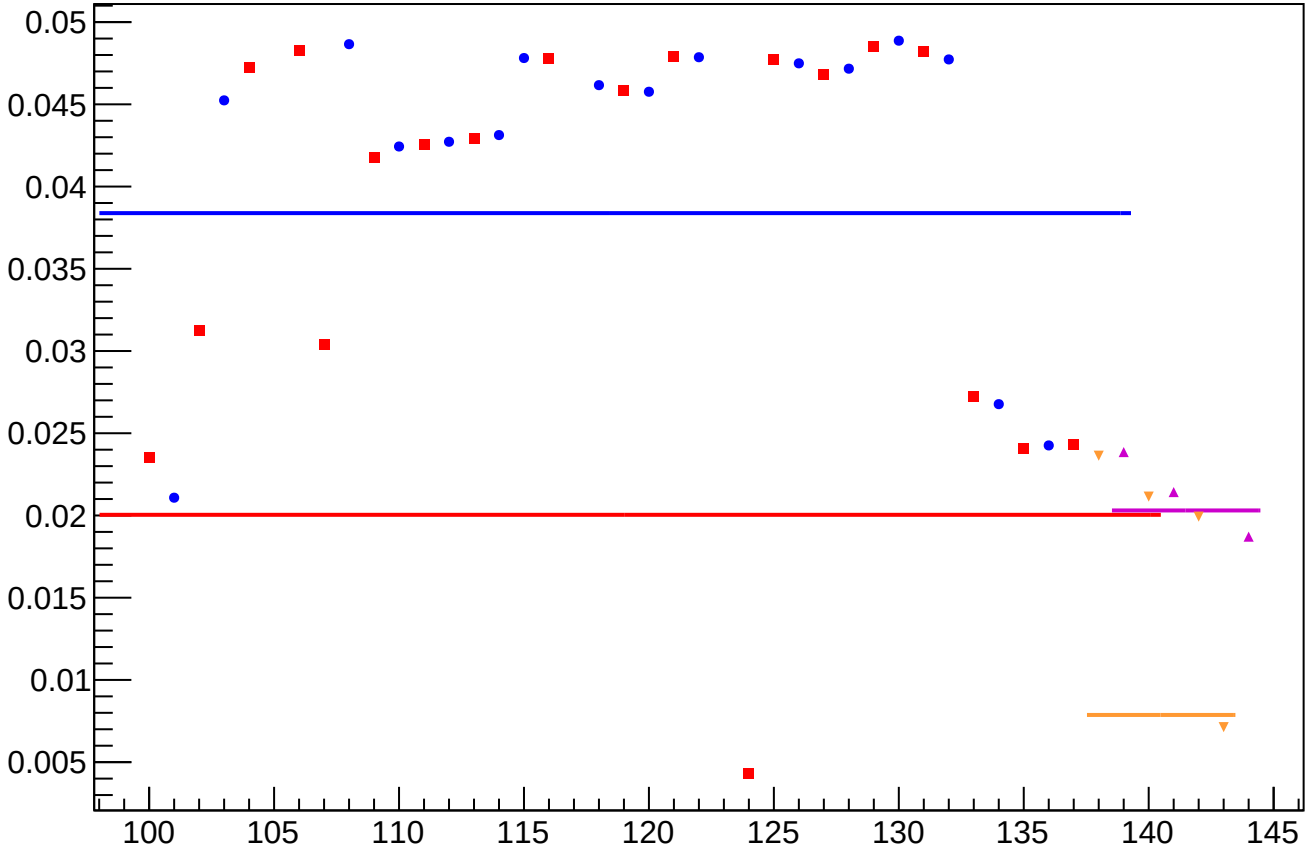
In: 0.021+/-0.000 χ^2/NDF:68990194201.7/18

Out: 0.013+/-0.000 χ^2/NDF:308644915330.7/22

All: 0.016+/-0.000 χ^2/NDF: 445388081191.8


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 816892.1/15
Left Out: 0.000+/-0.000 χ²/NDF:40545.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 3770565.9/18
Left In: 0.000+/-0.000 χ²/NDF:20429.2/2
Left: 0.000+/-0.000 χ²/NDF: 78029.3/6
Right: 0.000+/-0.000 χ²/NDF: 5354969.6/34
In: 0.000+/-0.000 χ²/NDF:1000169.1/18
Out: 0.000+/-0.000 χ²/NDF:4541184.9/22
All: 0.000+/-0.000 χ²/NDF: 6334170.9/41

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:4656424279.4/3

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.020+/-0.000 χ^2/NDF:95291161.2/2

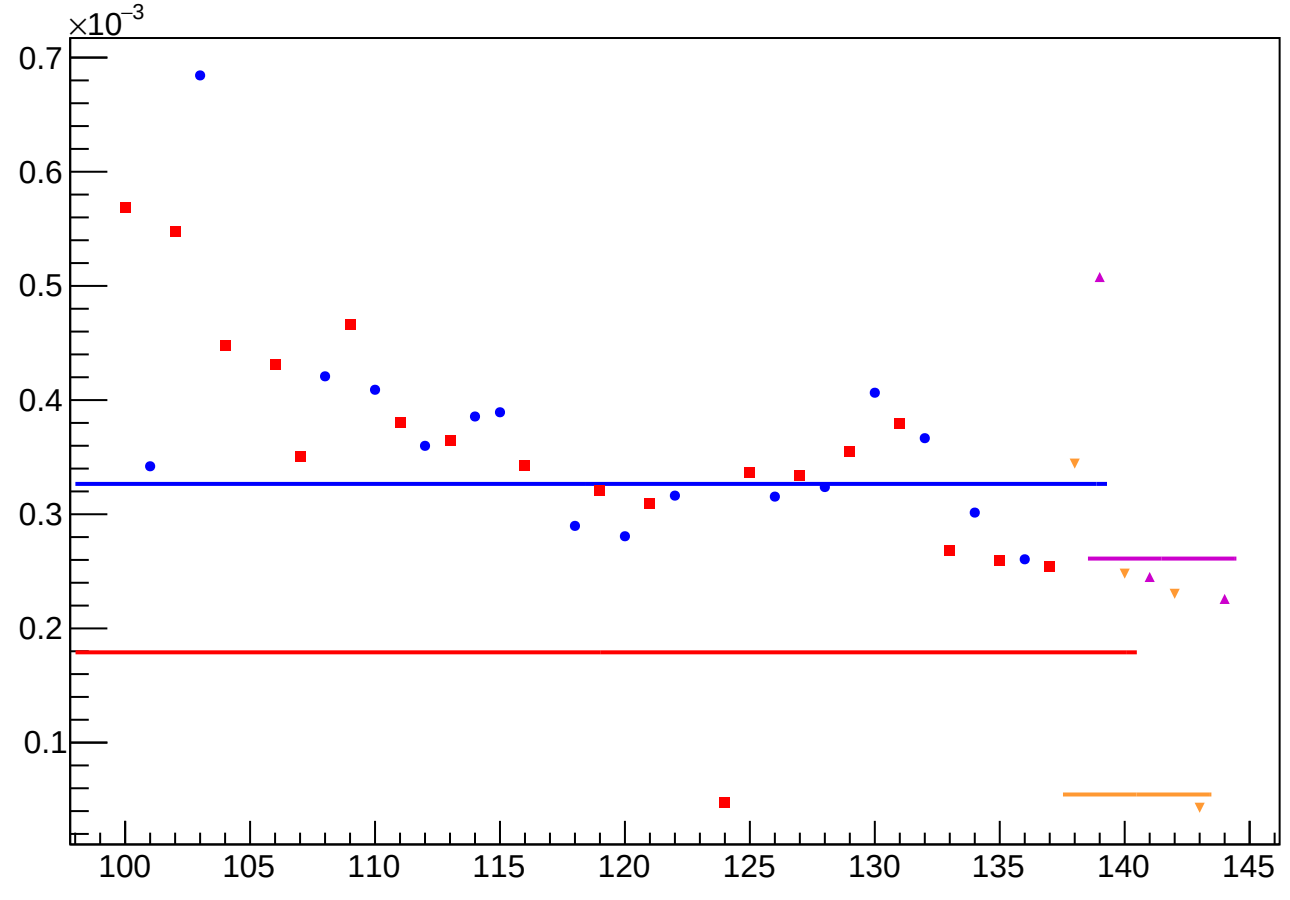
Left: 0.009+/-0.000 χ^2/NDF: 9338132905.6/6

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.032+/-0.000 χ^2/NDF:13923686436.0/18

Out: 0.010+/-0.000 χ^2/NDF:61122938468.2/22

All: 0.013+/-0.000 χ^2/NDF: 111909404345.2



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2356784.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:423828.7/2

Left: 0.000+/-0.000 χ^2/NDF: 5313619.0/6

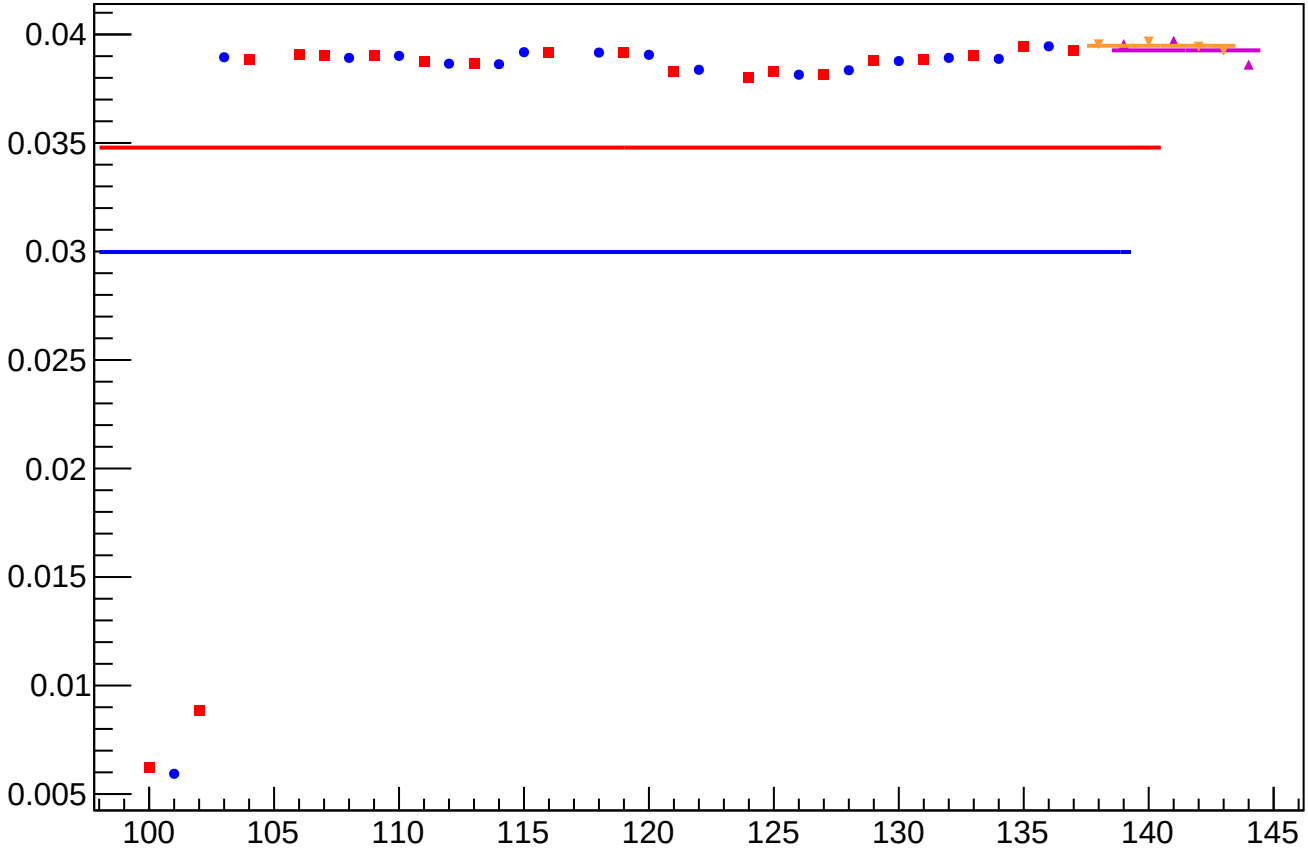
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1181939.2/18

Out: 0.000+/-0.000 χ^2/NDF:11007742.7/22

All: 0.000+/-0.000 χ^2/NDF: 20015200.0/41

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:3574090.2/3

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:28952478.8/2

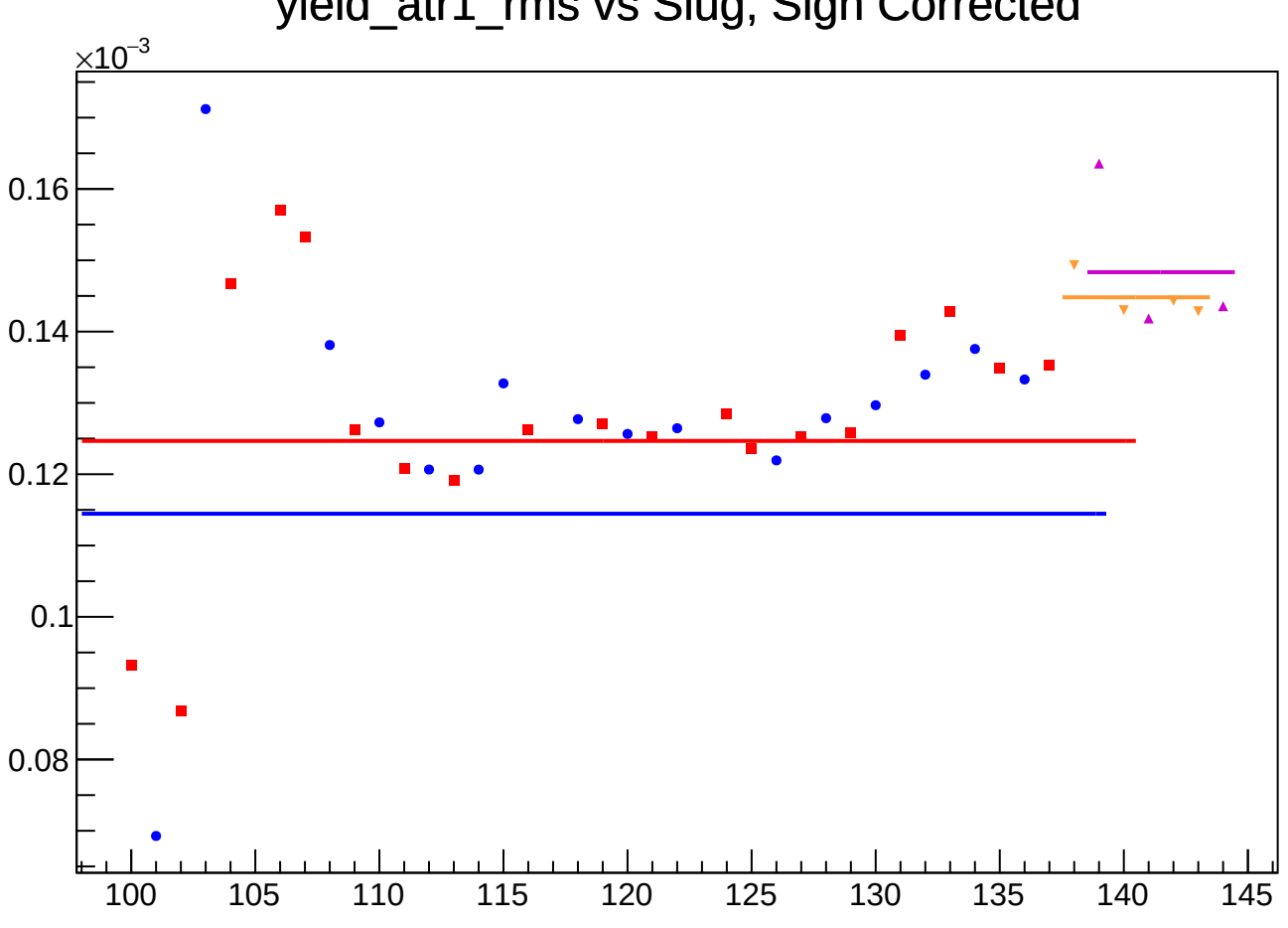
Left: 0.039+/-0.000 χ^2/NDF: 35246782.9/6

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.032+/-0.000 χ^2/NDF:116367271874.6/18

Out: 0.036+/-0.000 χ^2/NDF:49481504537.7/22

All: 0.034+/-0.000 χ^2/NDF: 171024940936.3



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1926.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19724.2/2

Left: 0.000+/-0.000 χ^2/NDF: 23162.9/6

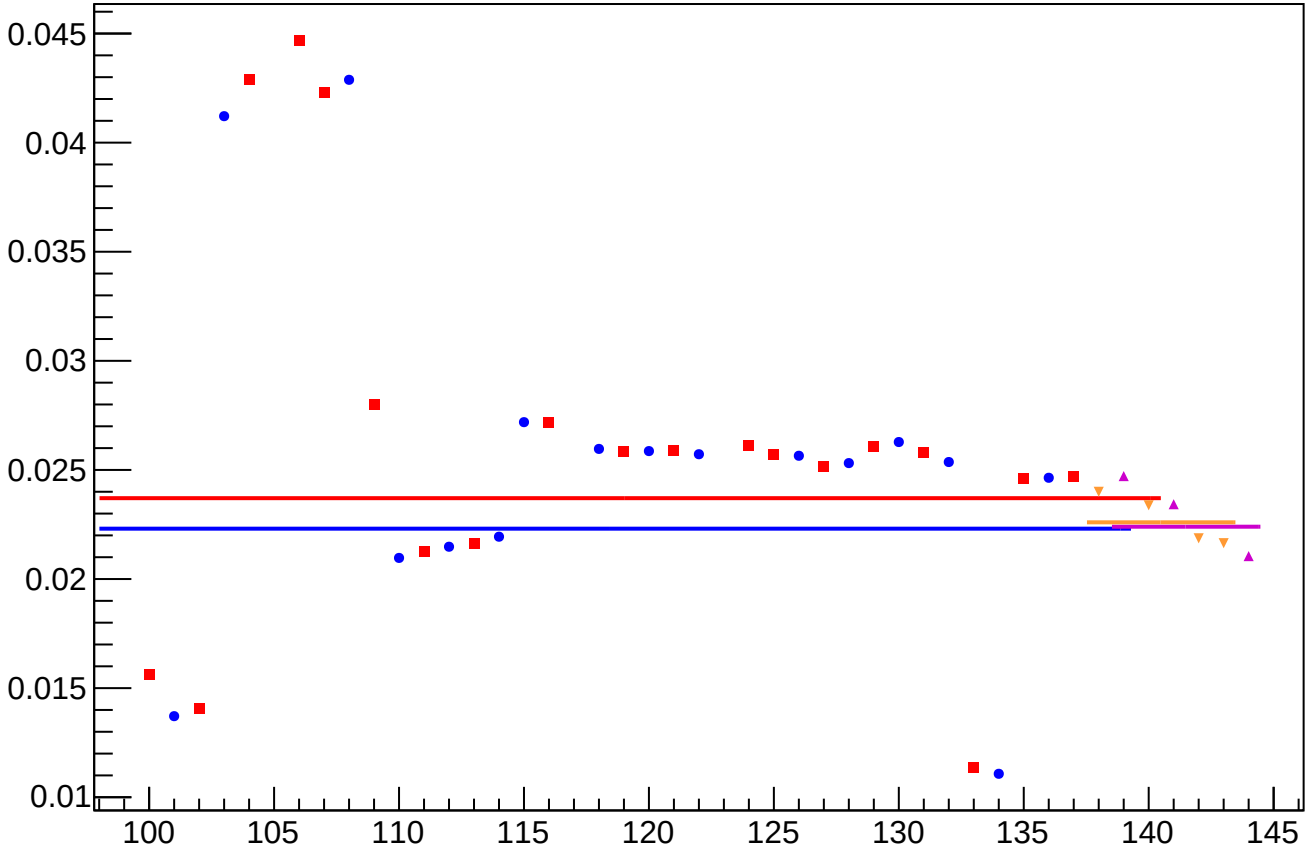
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1087144.3/18

Out: 0.000+/-0.000 χ^2/NDF:343904.8/22

All: 0.000+/-0.000 χ^2/NDF: 1474470.4/41

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:38320111.7/3

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.022+/-0.000 χ^2/NDF:64616496.8/2

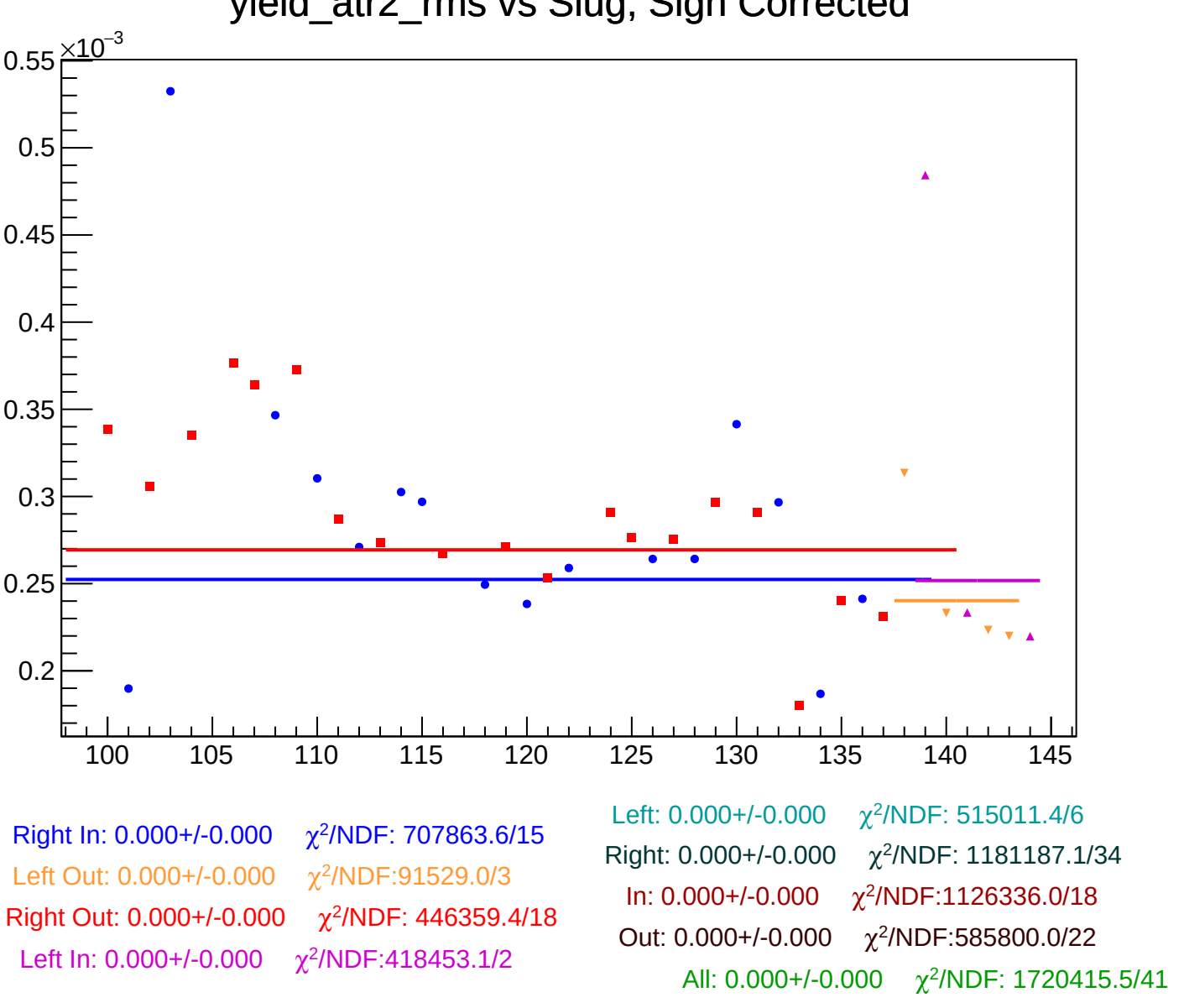
Left: 0.023+/-0.000 χ^2/NDF: 103697231.4/6

Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

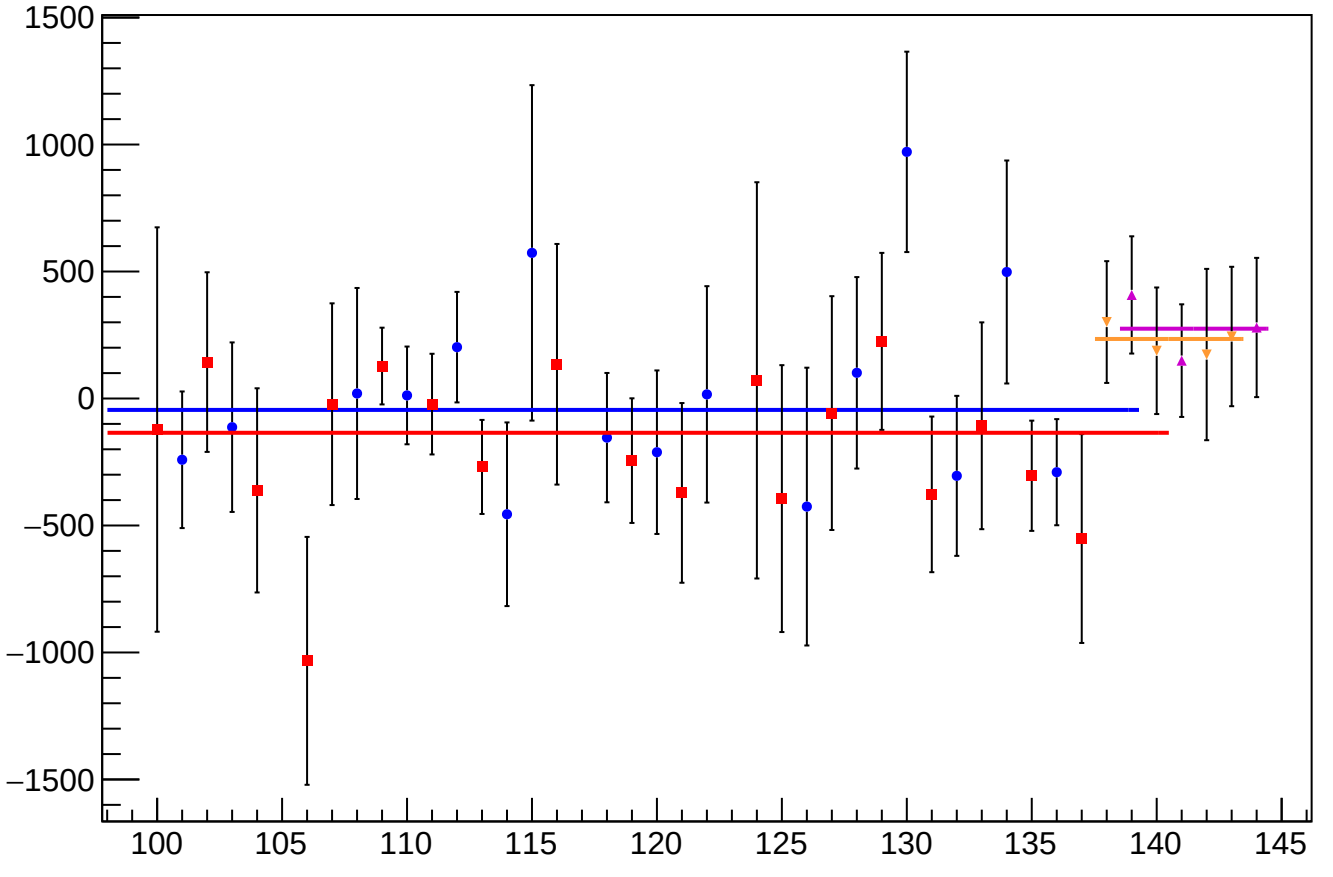
In: 0.022+/-0.000 χ^2/NDF:5077311780.9/18

Out: 0.023+/-0.000 χ^2/NDF:5654735547.3/22

All: 0.023+/-0.000 χ^2/NDF: 10801116175.2/4


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:91529.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:418453.1/2
Left: 0.000+/-0.000 χ²/NDF: 515011.4/6
Right: 0.000+/-0.000 χ²/NDF: 1181187.1/34
In: 0.000+/-0.000 χ²/NDF:1126336.0/18
Out: 0.000+/-0.000 χ²/NDF:585800.0/22
All: 0.000+/-0.000 χ²/NDF: 1720415.5/41

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 234.425+/-134.146 χ^2/NDF:0.1/3

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 274.873+/-138.122 χ^2/NDF:0.7/2

Left: 254.058+/-96.230 χ^2/NDF: 0.8/6

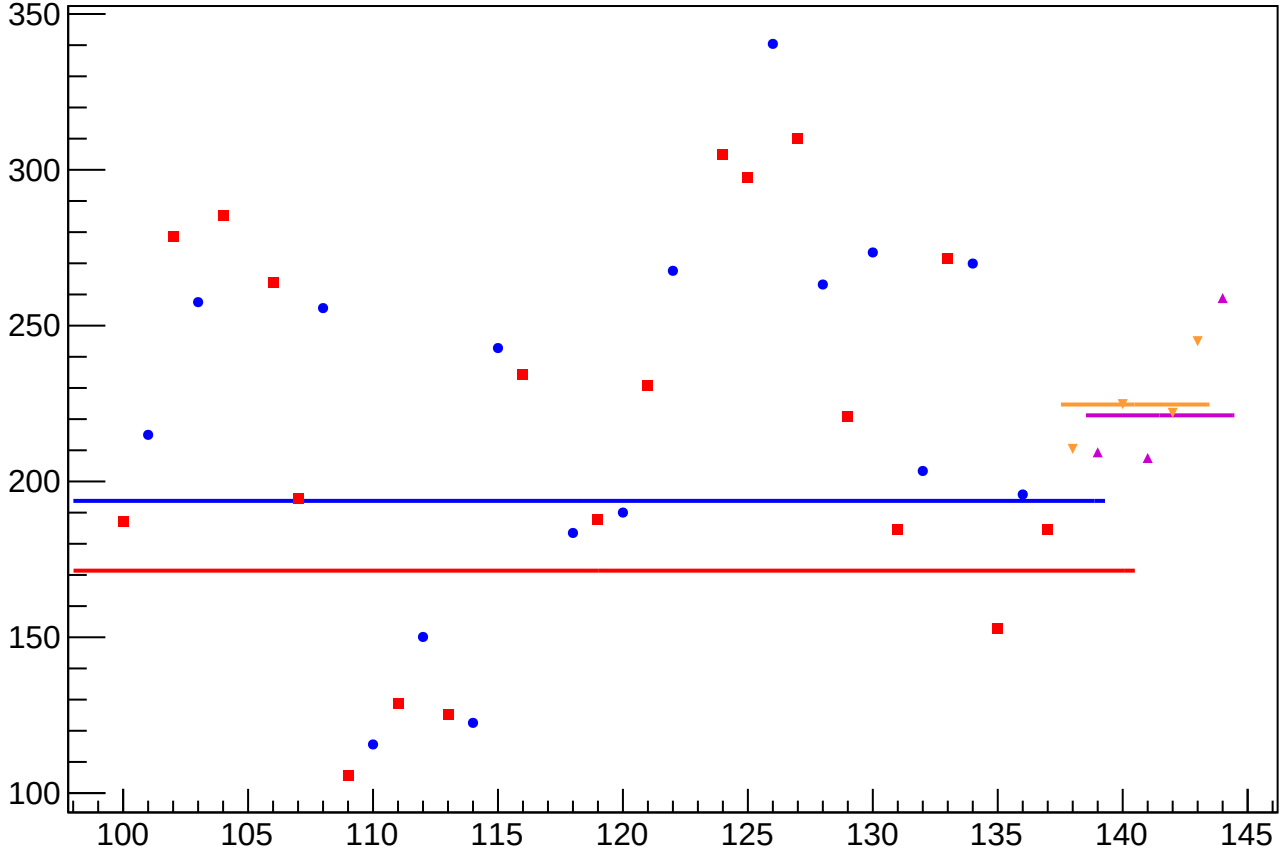
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 29.700+/-66.719 χ^2/NDF:20.2/18

Out: -59.366+/-60.696 χ^2/NDF:19.1/22

All: -19.034+/-44.897 χ^2/NDF: 40.3/41

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: 224.690+/-0.095 χ^2/NDF:18141.6/3

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 221.218+/-0.098 χ^2/NDF:50583.0/2

Left: 223.005+/-0.068 χ^2/NDF: 69374.8/6

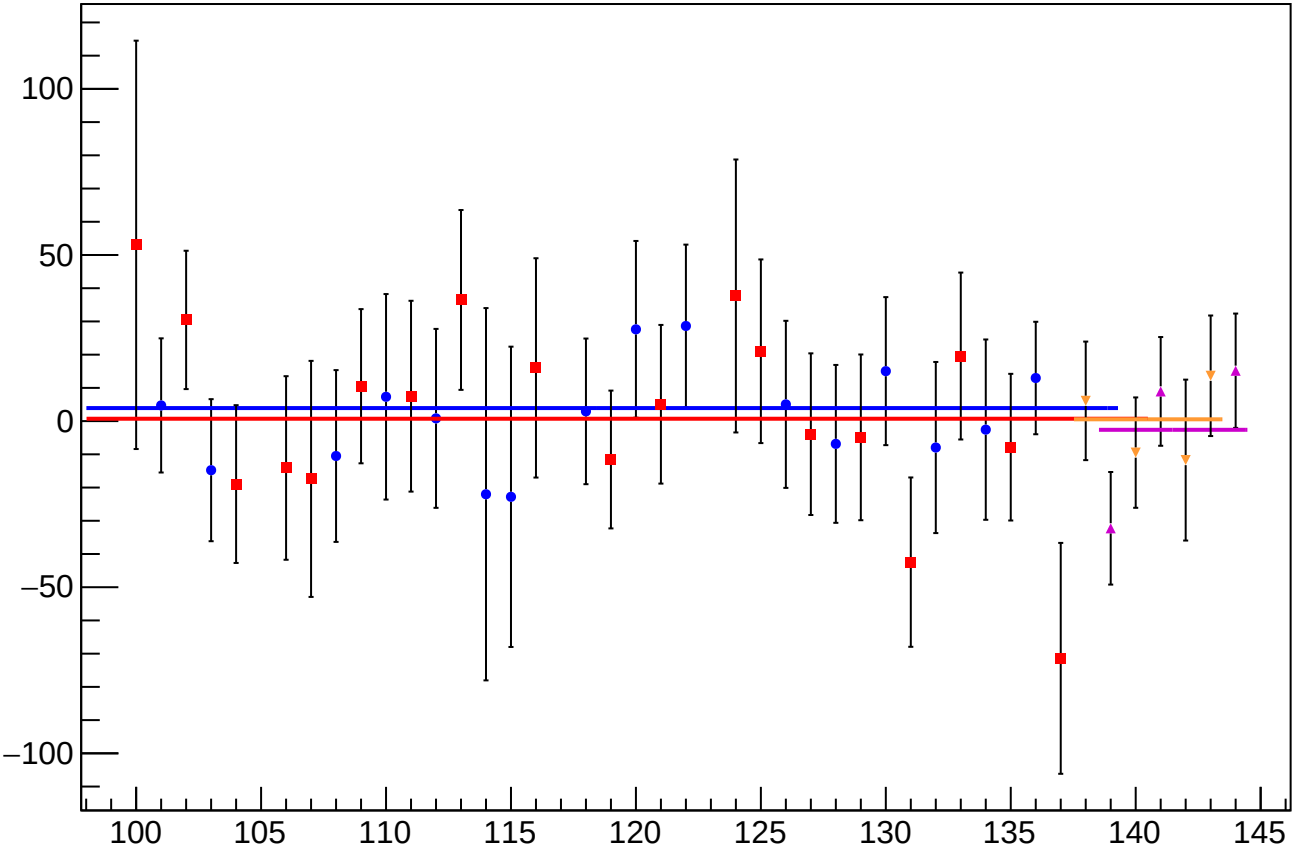
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 200.173+/-0.047 χ^2/NDF:1159241.7/18

Out: 182.295+/-0.043 χ^2/NDF:1927397.5/22

All: 190.391+/-0.032 χ^2/NDF: 3165208.8/41

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.541+/-9.321 χ^2/NDF:1.2/3

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -2.619+/-9.715 χ^2/NDF:4.6/2

Left: -0.974+/-6.726 χ^2/NDF: 5.9/6

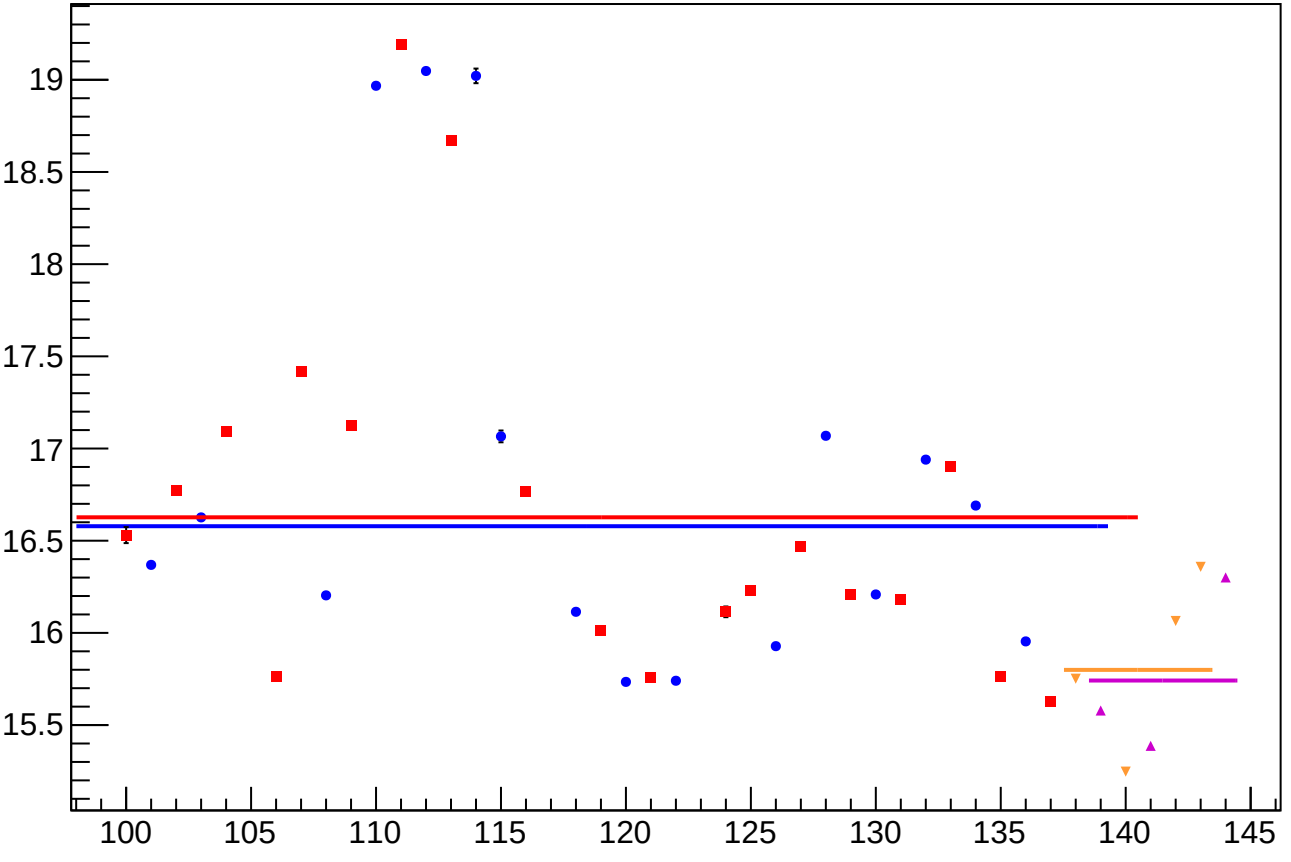
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 2.042+/-5.209 χ^2/NDF:9.4/18

Out: 0.662+/-5.091 χ^2/NDF:17.1/22

All: 1.336+/-3.641 χ^2/NDF: 26.6/41

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: 15.799+/-0.007 χ^2/NDF:4360.3/3

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.742+/-0.007 χ^2/NDF:3233.9/2

Left: 15.772+/-0.005 χ^2/NDF: 7631.0/6

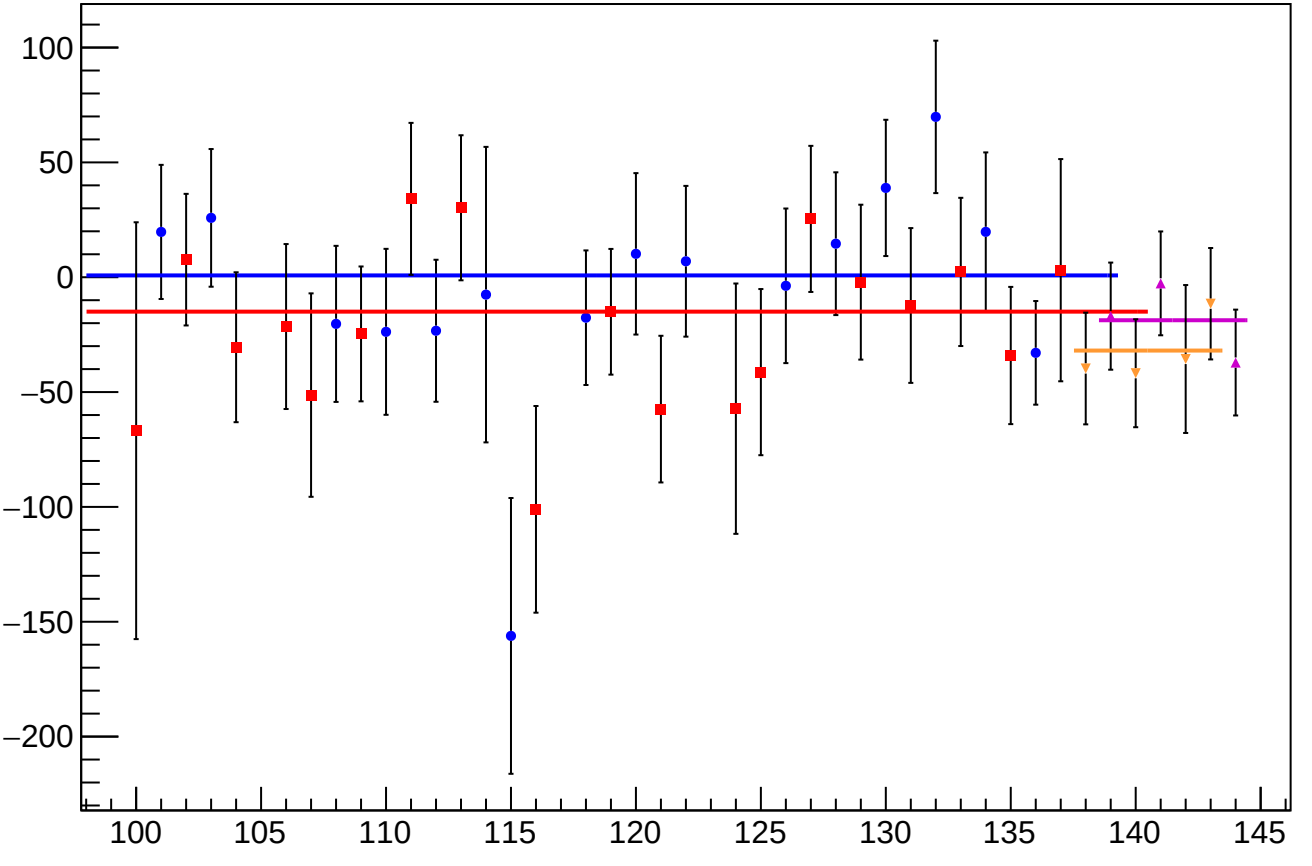
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.338+/-0.004 χ^2/NDF:58386.2/18

Out: 16.380+/-0.004 χ^2/NDF:58885.4/22

All: 16.360+/-0.003 χ^2/NDF: 117338.5/41

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: -31.926+/-12.735 χ^2/NDF:1.0/3

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -18.725+/-13.269 χ^2/NDF:1.1/2

Left: -25.597+/-9.188 χ^2/NDF: 2.7/6

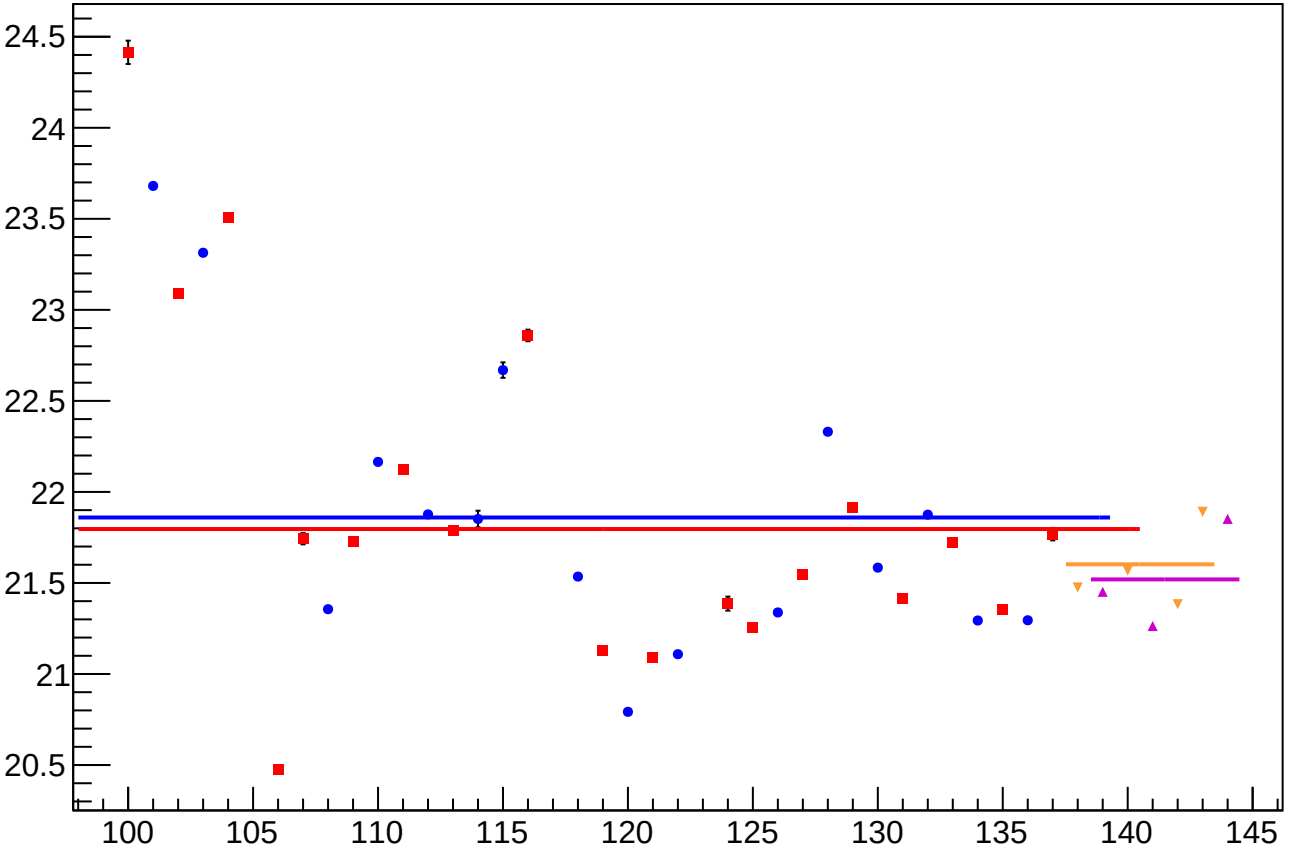
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -4.532+/-6.929 χ^2/NDF:21.4/18

Out: -19.736+/-6.746 χ^2/NDF:17.7/22

All: -12.337+/-4.833 χ^2/NDF: 41.5/41

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: 21.602+/-0.009 χ^2/NDF:434.5/3

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.520+/-0.009 χ^2/NDF:690.0/2

Left: 21.563+/-0.006 χ^2/NDF: 1165.1/6

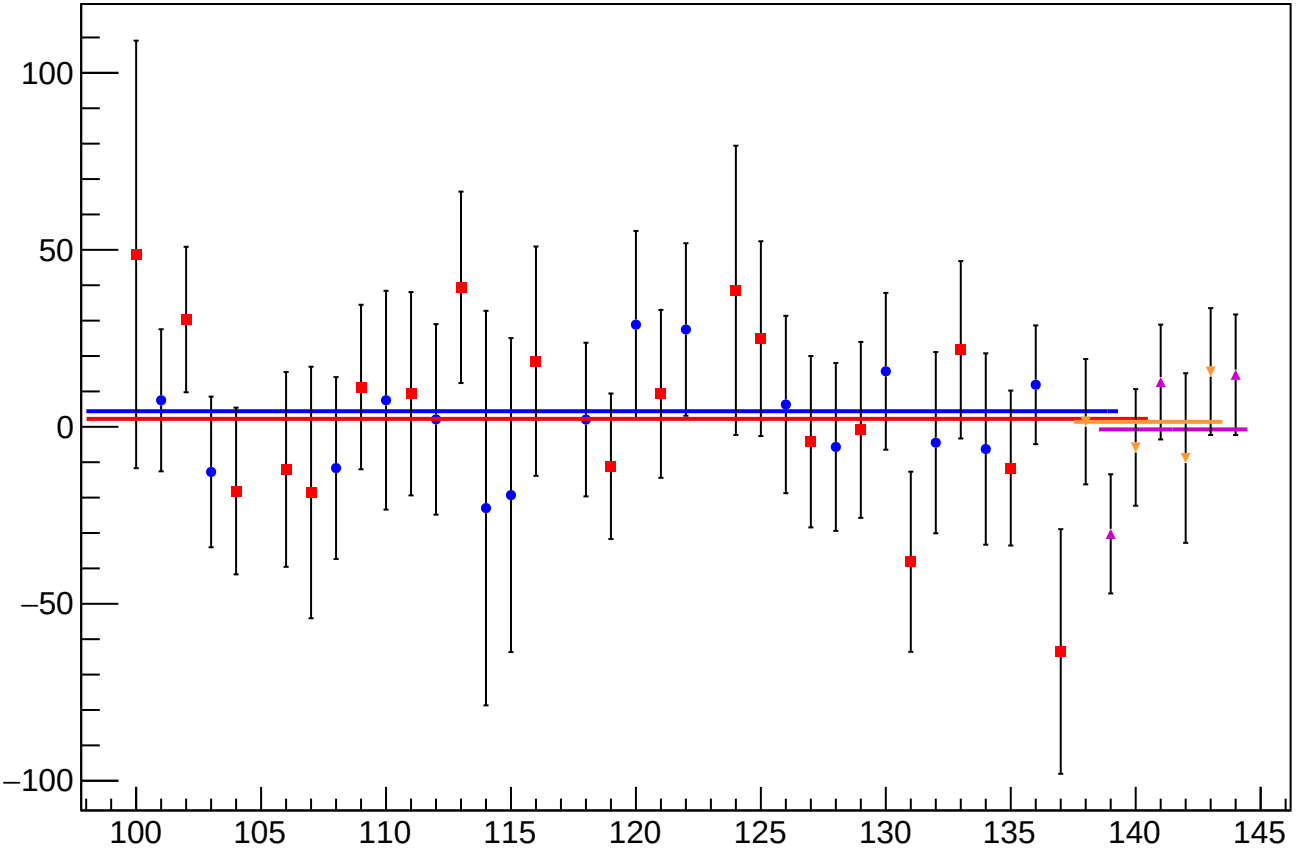
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.767+/-0.005 χ^2/NDF:21113.2/18

Out: 21.742+/-0.005 χ^2/NDF:19628.9/22

All: 21.754+/-0.003 χ^2/NDF: 40755.4/41

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: 1.405+/-9.235 χ^2/NDF:1.0/3

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.727+/-9.633 χ^2/NDF:4.6/2

Left: 0.384+/-6.666 χ^2/NDF: 5.6/6

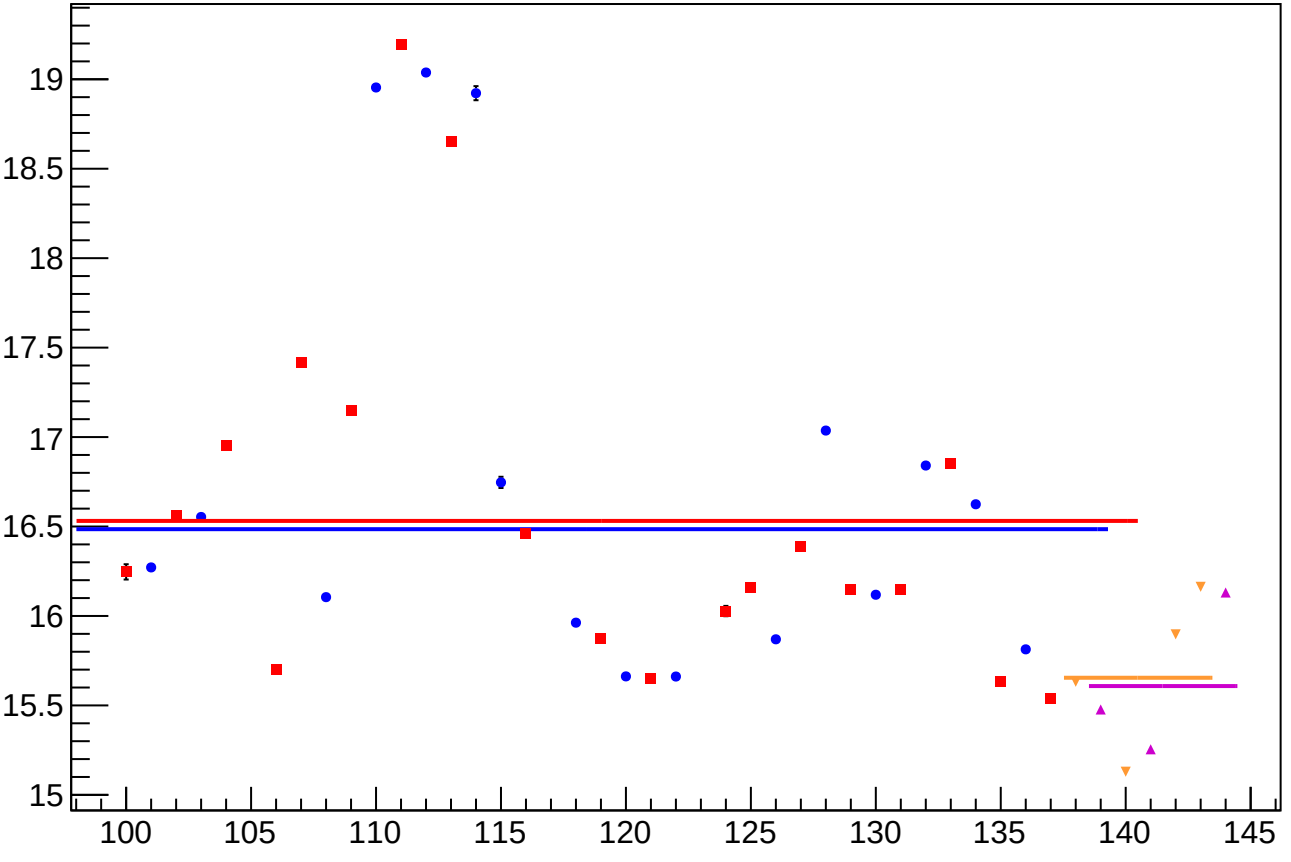
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.923+/-5.176 χ^2/NDF:9.1/18

Out: 1.992+/-5.056 χ^2/NDF:16.4/22

All: 2.447+/-3.617 χ^2/NDF: 25.5/41

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: 15.655+/-0.007 χ^2/NDF:3847.8/3

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.608+/-0.007 χ^2/NDF:2956.9/2

Left: 15.632+/-0.005 χ^2/NDF: 6828.9/6

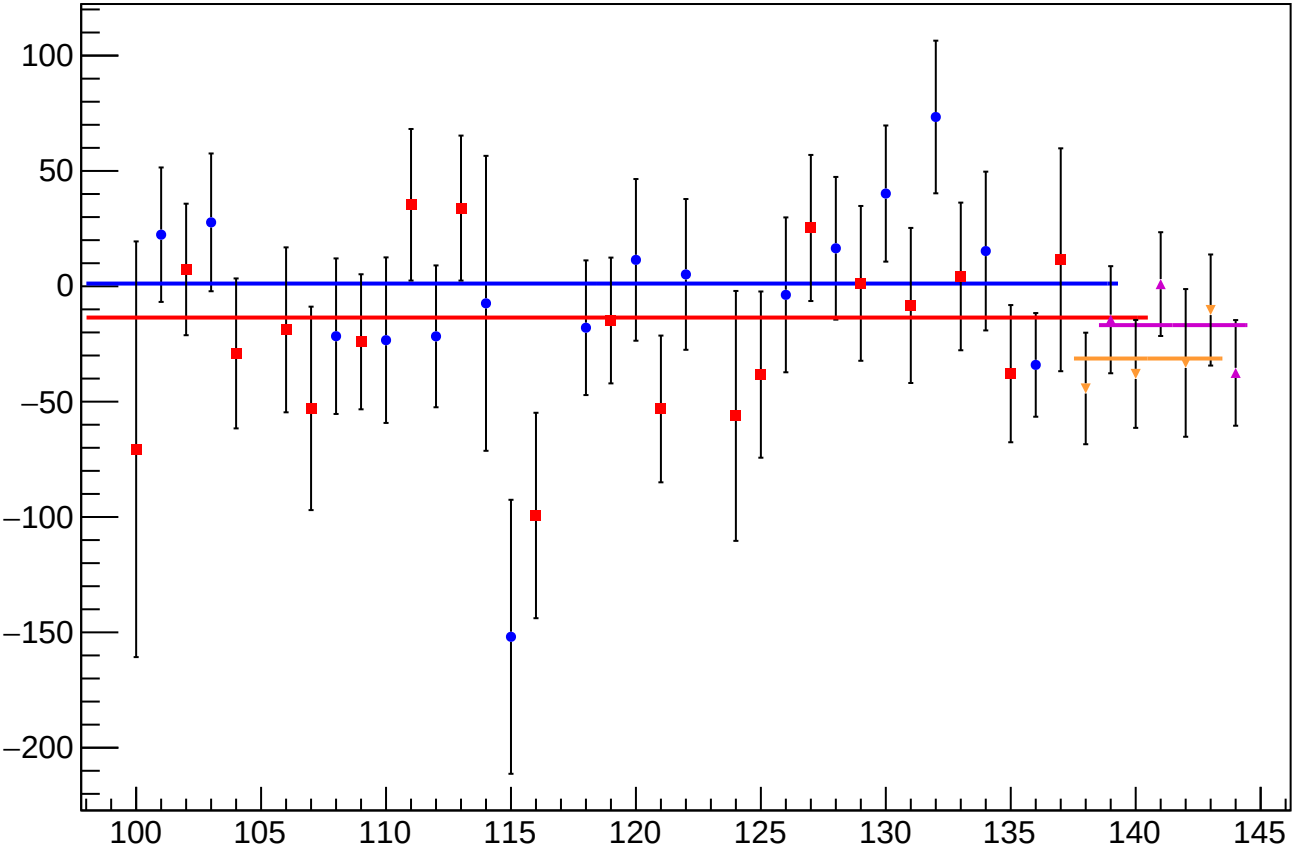
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 16.232+/-0.004 χ^2/NDF:61932.8/18

Out: 16.268+/-0.004 χ^2/NDF:62942.2/22

All: 16.251+/-0.003 χ^2/NDF: 124926.1/41

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: -31.308+/-12.657 χ^2/NDF:1.1/3

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -16.828+/-13.198 χ^2/NDF:1.5/2

Left: -24.371+/-9.135 χ^2/NDF: 3.2/6

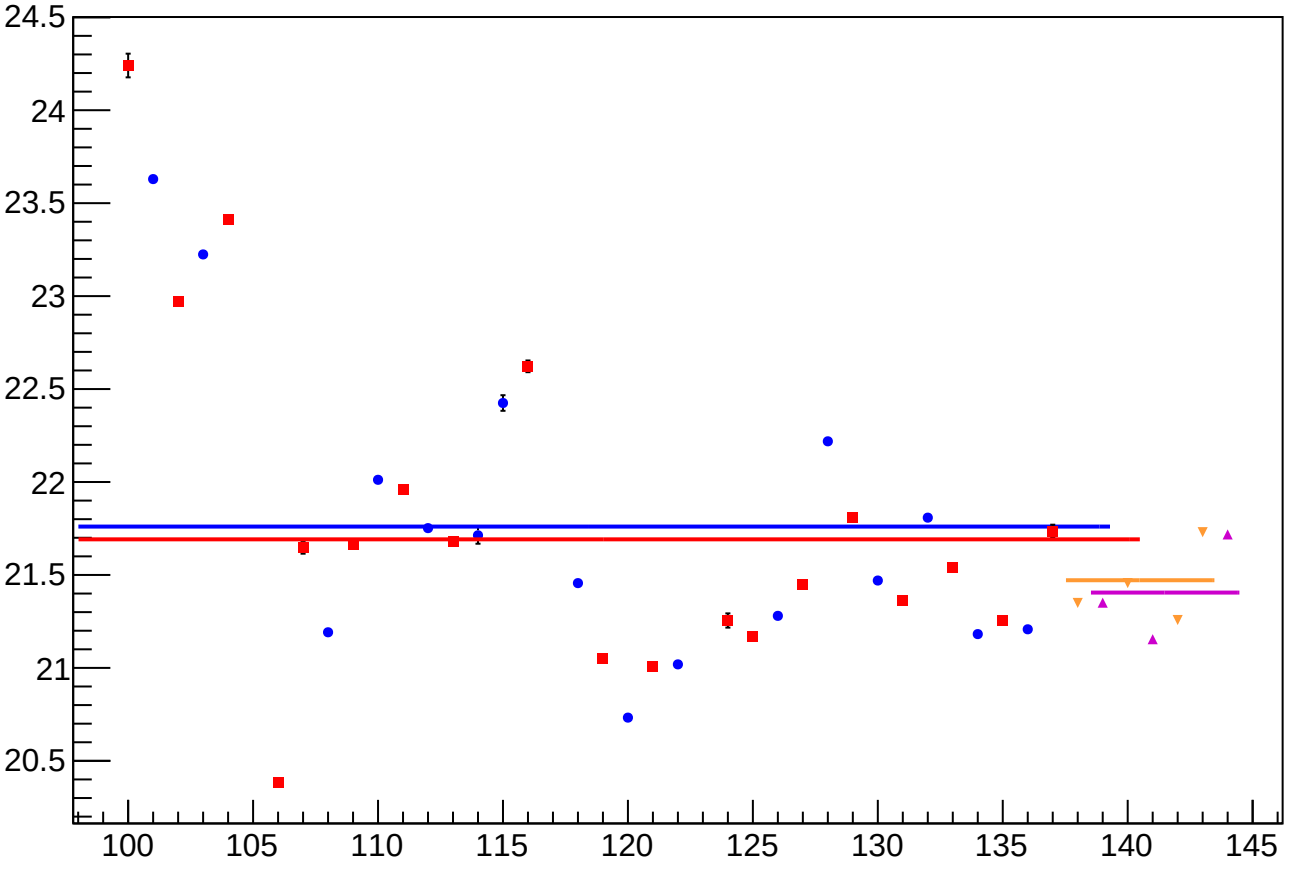
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.733+/-6.896 χ^2/NDF:22.2/18

Out: -18.541+/-6.711 χ^2/NDF:18.5/22

All: -11.339+/-4.809 χ^2/NDF: 43.1/41

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: 21.472+/-0.009 χ^2/NDF:371.8/3

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.405+/-0.009 χ^2/NDF:633.1/2

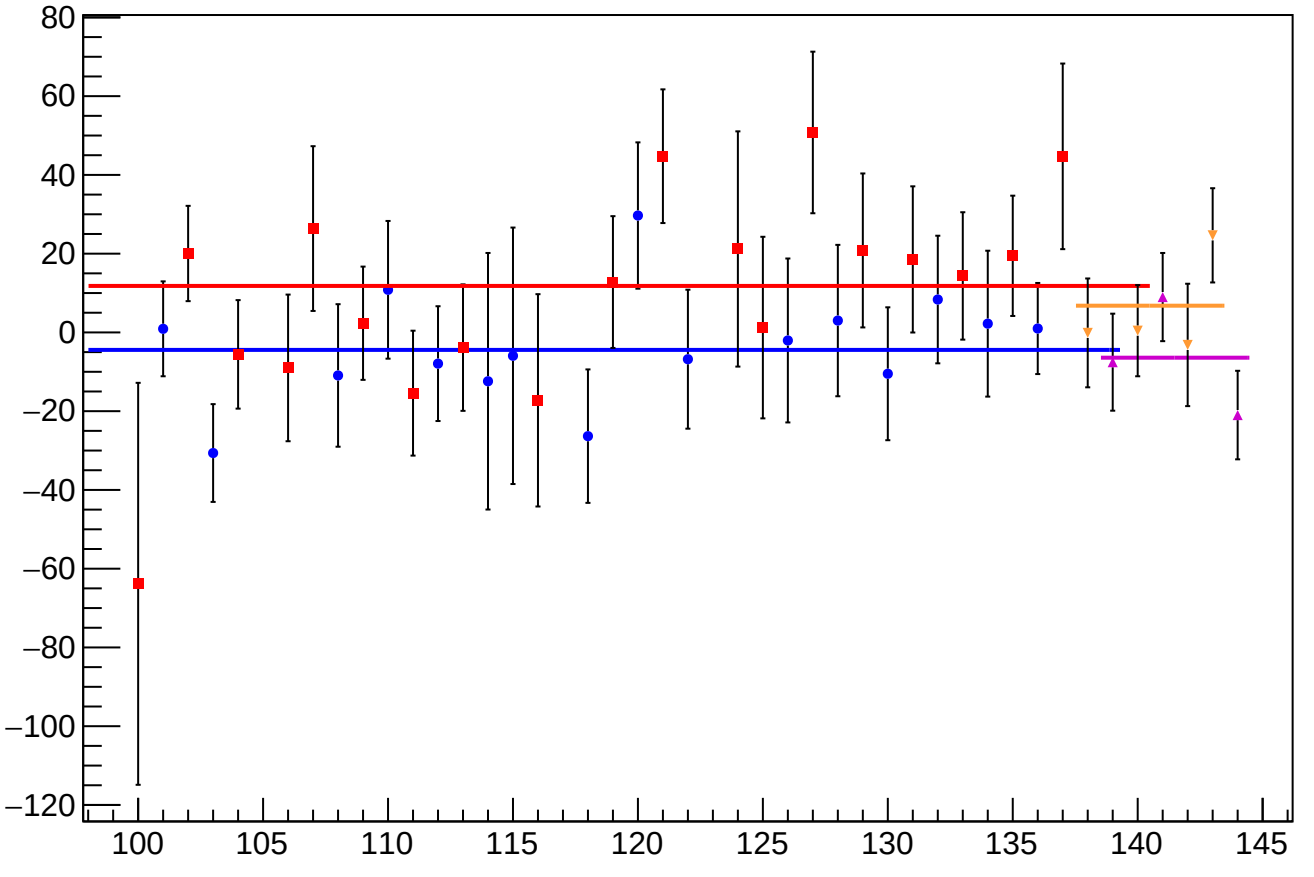
Left: 21.440+/-0.006 χ^2/NDF: 1031.2/6

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.663+/-0.005 χ^2/NDF:21431.1/18

Out: 21.630+/-0.005 χ^2/NDF:19136.8/22

All: 21.646+/-0.003 χ^2/NDF: 40592.3/41



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 6.788+/-6.479 χ^2/NDF:3.2/3

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -6.419+/-6.670 χ^2/NDF:3.6/2

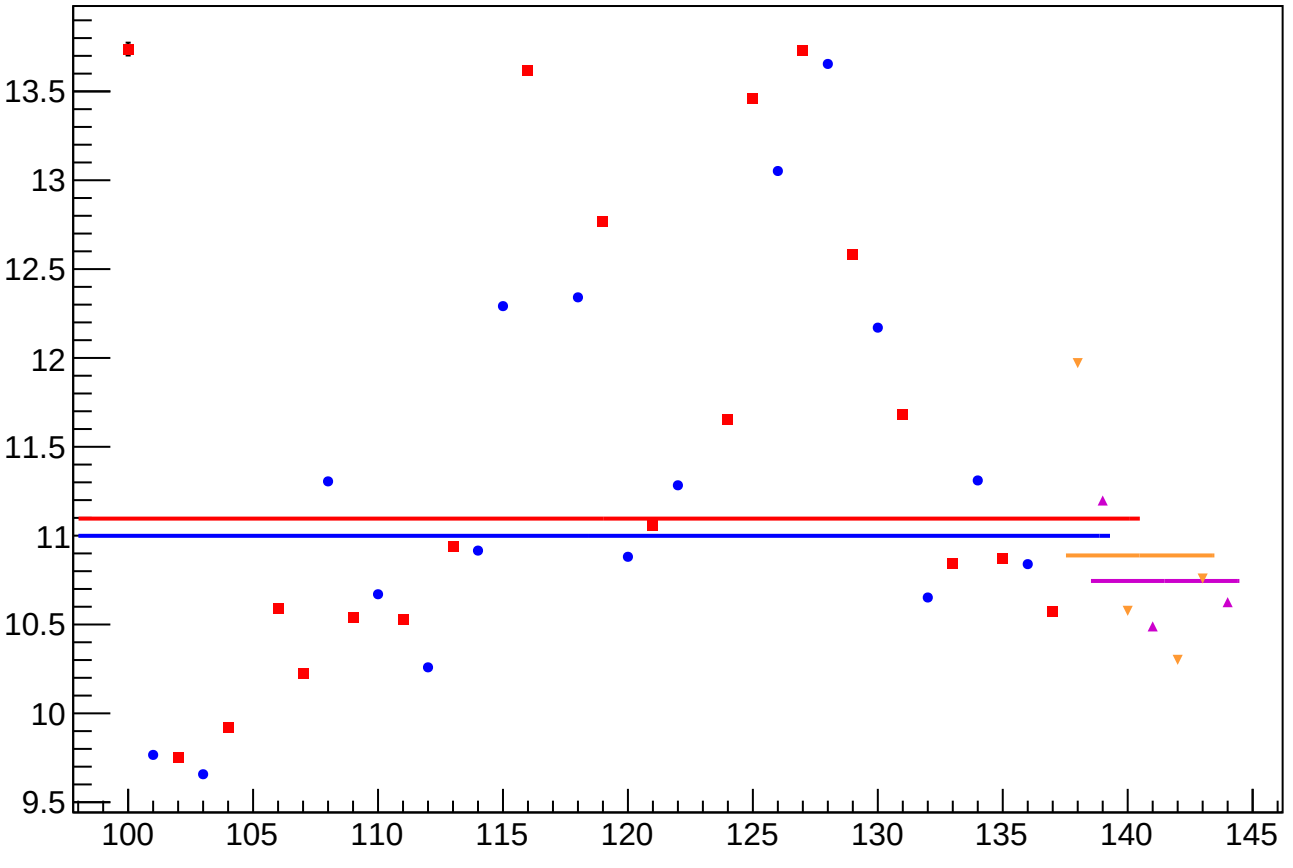
Left: 0.376+/-4.647 χ^2/NDF: 8.8/6

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -4.989+/-3.512 χ^2/NDF:15.6/18

Out: 10.373+/-3.463 χ^2/NDF:25.4/22

All: 2.800+/-2.466 χ^2/NDF: 50.7/41



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.889+/-0.005 χ^2/NDF:16804.9/3

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.745+/-0.005 χ^2/NDF:3970.0/2

Left: 10.819+/-0.003 χ^2/NDF: 21251.7/6

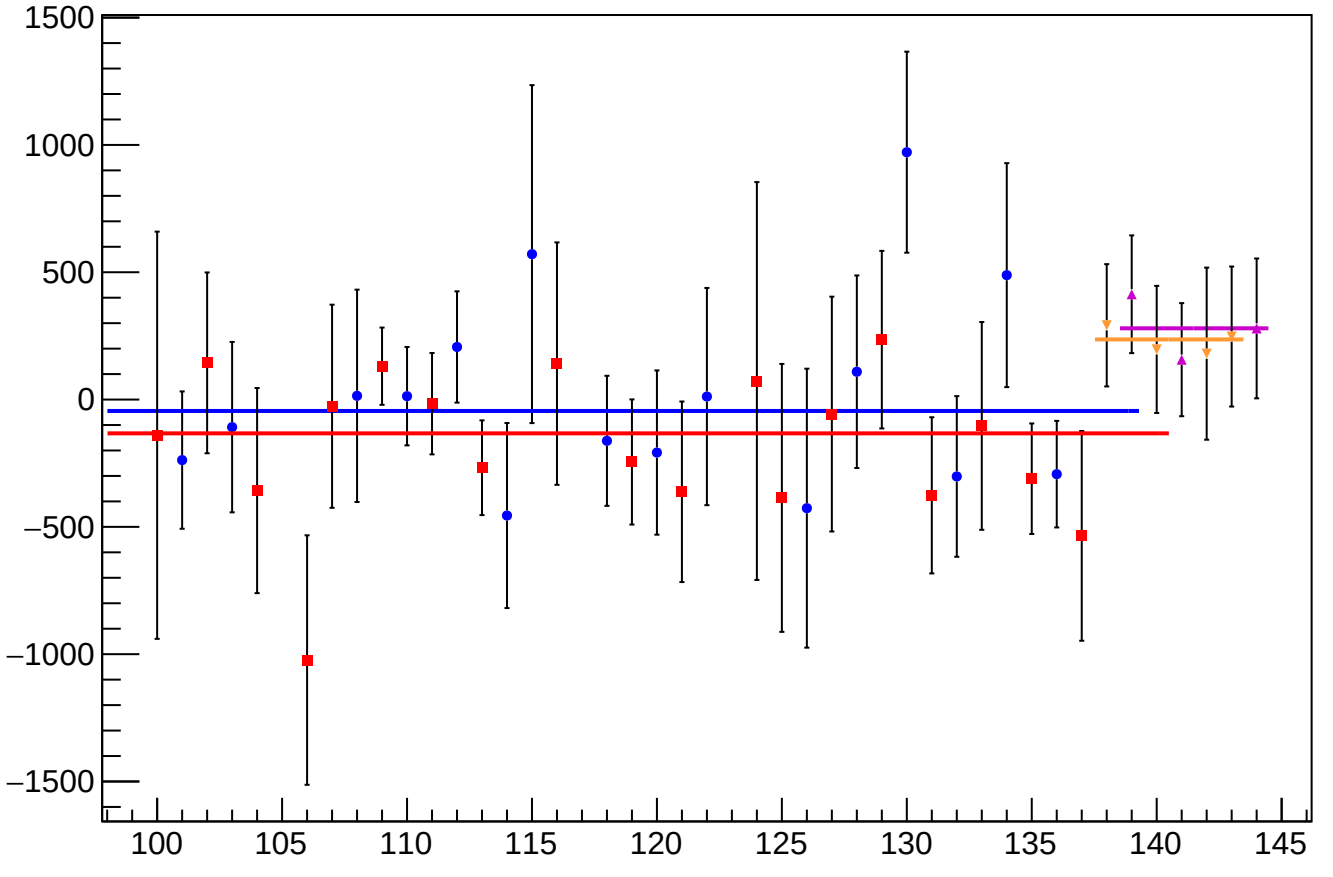
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.929+/-0.002 χ^2/NDF:142225.4/18

Out: 11.037+/-0.002 χ^2/NDF:181176.9/22

All: 10.983+/-0.002 χ^2/NDF: 324362.8/41

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 236.018+/-134.378 χ^2/NDF:0.1/3

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 279.765+/-138.349 χ^2/NDF:0.6/2

Left: 257.254+/-96.393 χ^2/NDF: 0.8/6

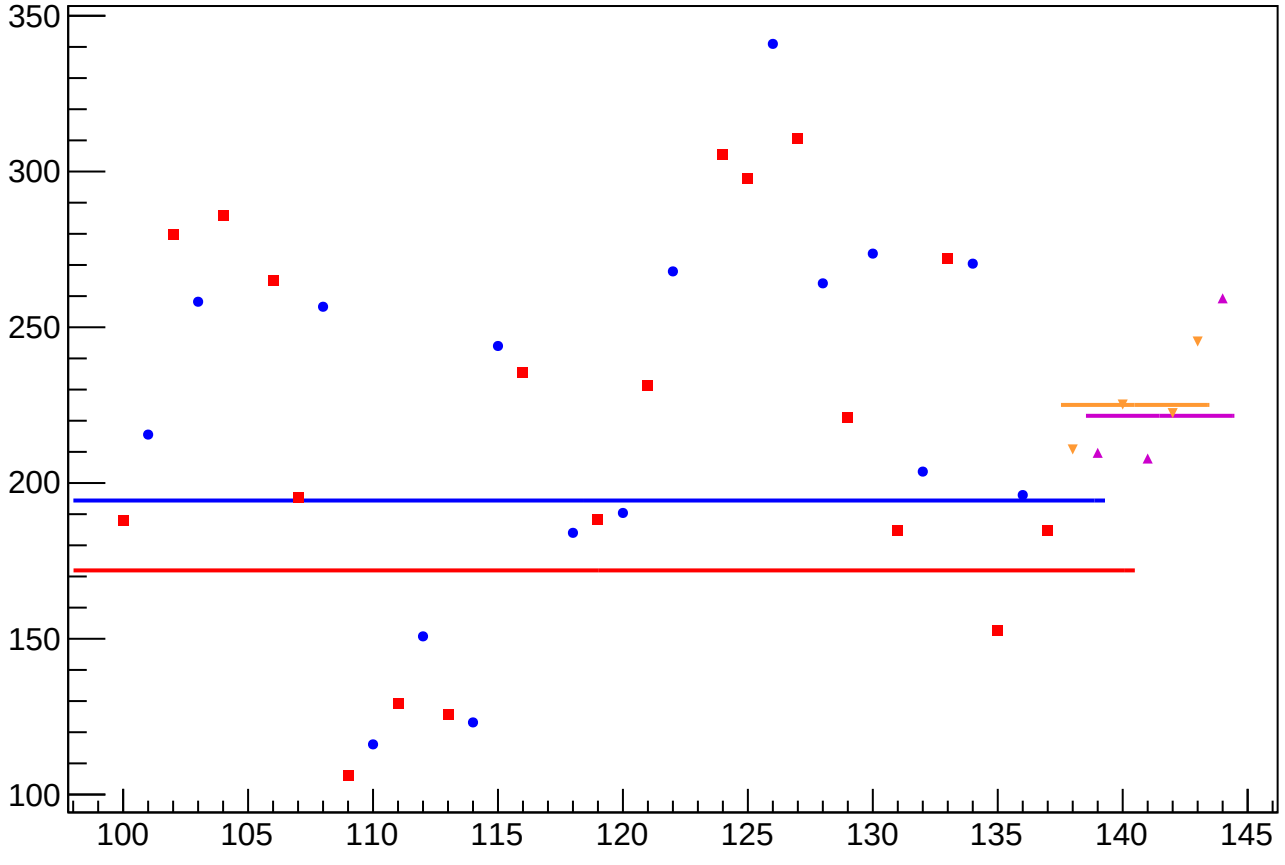
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 31.085+/-66.896 χ^2/NDF:20.3/18

Out: -57.079+/-60.865 χ^2/NDF:18.9/22

All: -17.149+/-45.020 χ^2/NDF: 40.2/41

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: 225.077+/-0.095 χ^2/NDF:18167.5/3

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 221.579+/-0.098 χ^2/NDF:50628.5/2

Left: 223.379+/-0.068 χ^2/NDF: 69453.9/6

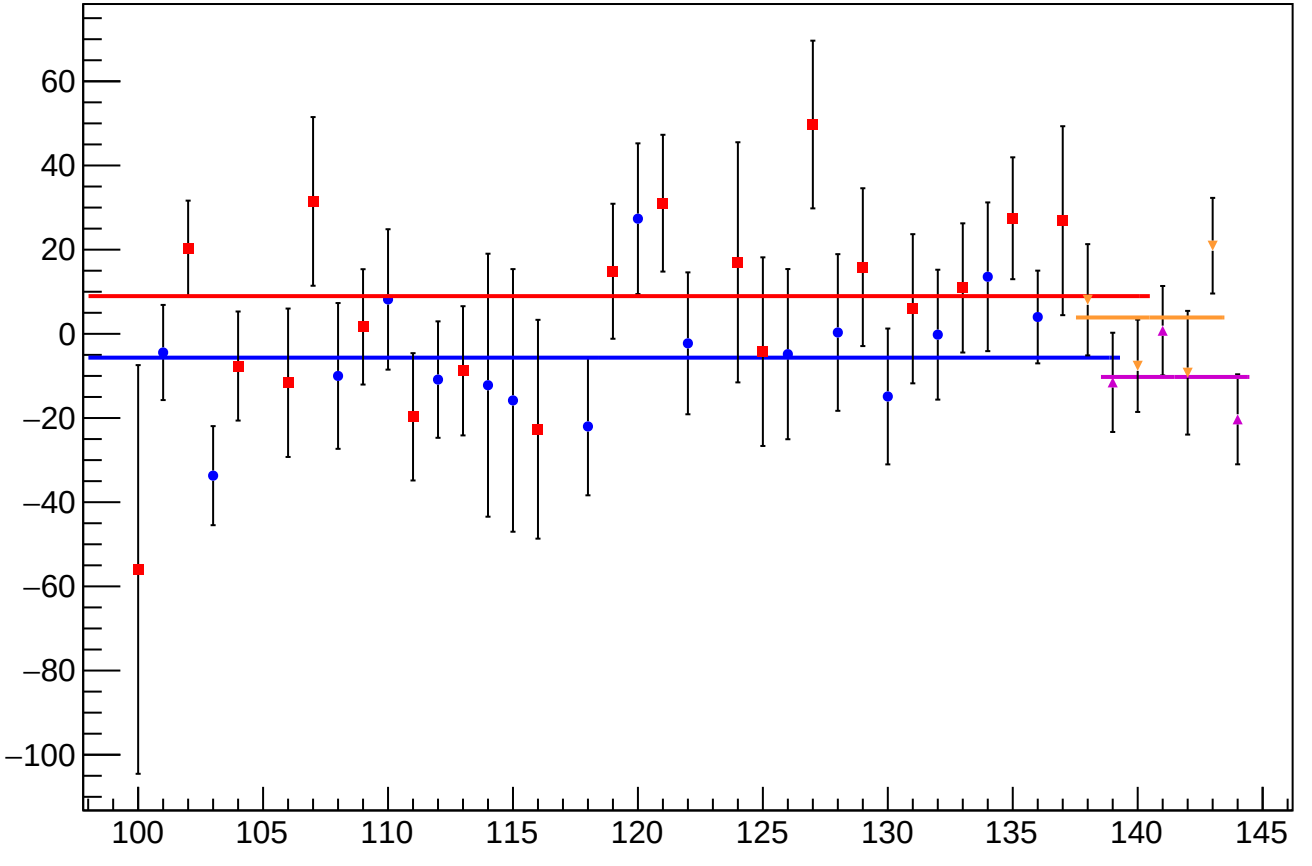
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 200.743+/-0.047 χ^2/NDF:1151859.3/18

Out: 182.848+/-0.043 χ^2/NDF:1918002.4/22

All: 190.953+/-0.032 χ^2/NDF: 3148158.9/41

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 3.886+/-6.152 χ^2/NDF:4.2/3

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -10.242+/-6.350 χ^2/NDF:2.0/2

Left: -2.956+/-4.419 χ^2/NDF: 8.8/6

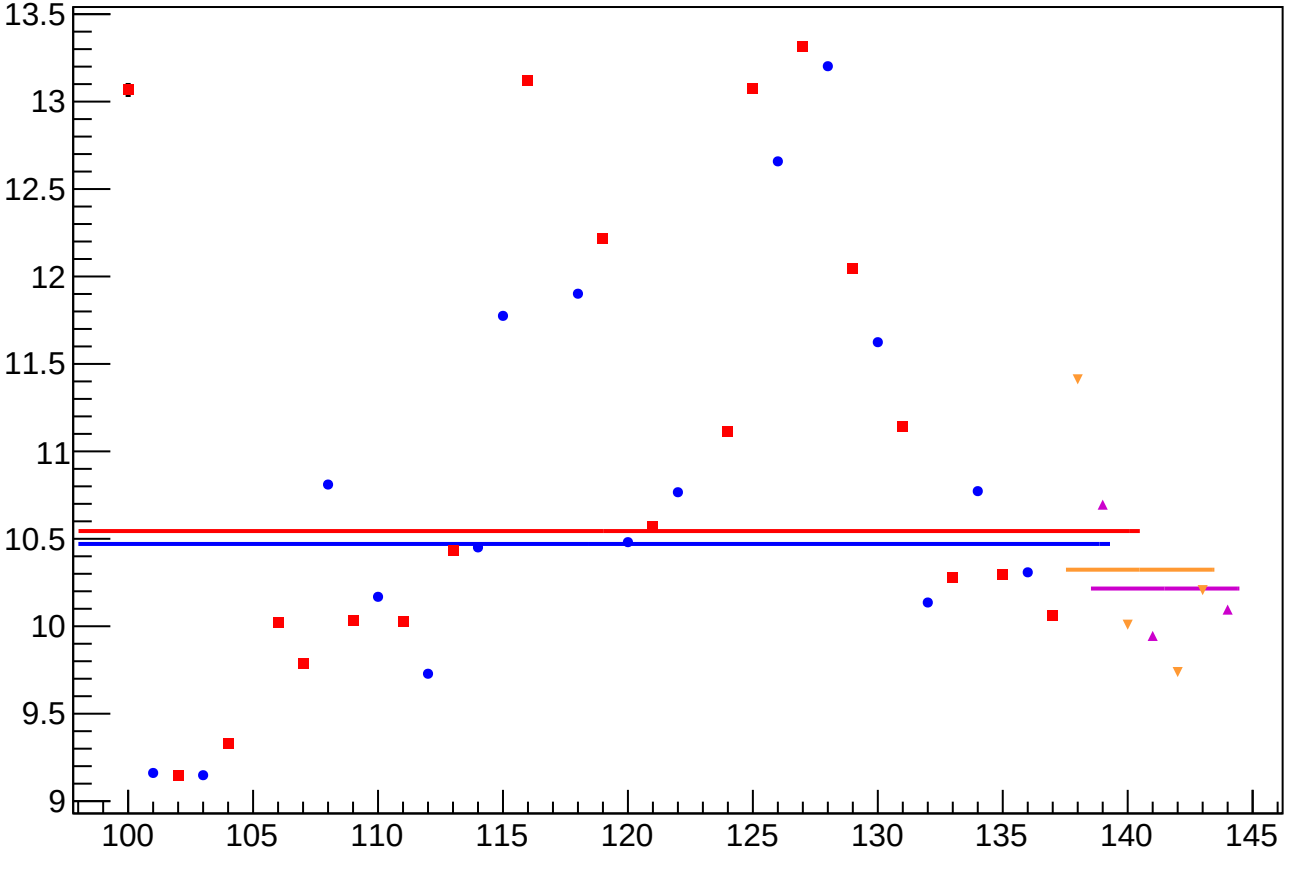
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.931+/-3.347 χ^2/NDF:16.0/18

Out: 7.505+/-3.294 χ^2/NDF:27.5/22

All: 0.402+/-2.348 χ^2/NDF: 53.0/41

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: 10.323+/-0.004 χ^2/NDF:18594.2/3

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.216+/-0.004 χ^2/NDF:4865.1/2

Left: 10.271+/-0.003 χ^2/NDF: 23756.7/6

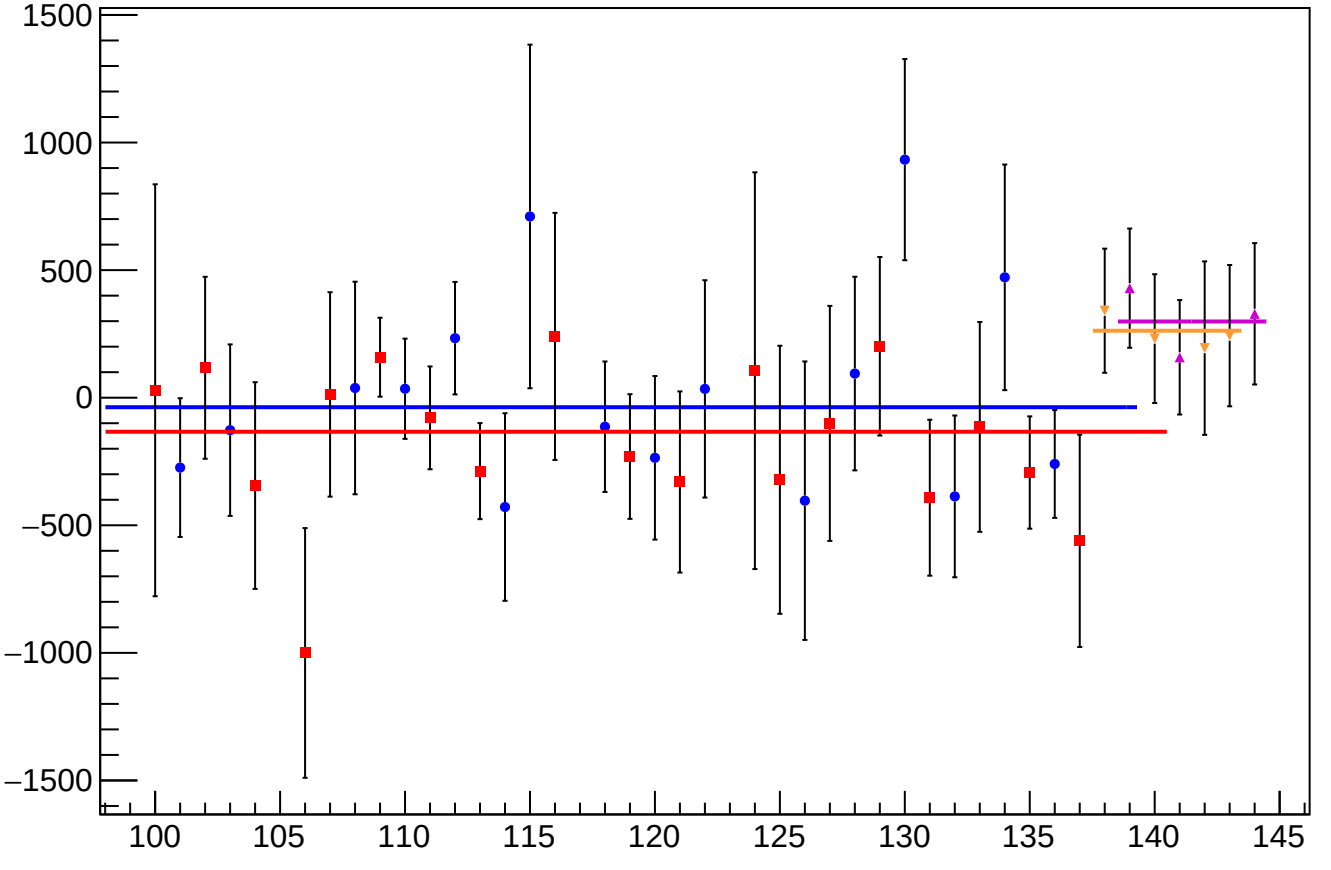
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.400+/-0.002 χ^2/NDF:164559.4/18

Out: 10.481+/-0.002 χ^2/NDF:207213.4/22

All: 10.441+/-0.002 χ^2/NDF: 372371.8/41

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: 262.497+/-135.702 χ^2/NDF:0.2/3

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 298.665+/-139.697 χ^2/NDF:0.7/2

Left: 280.056+/-97.337 χ^2/NDF: 0.9/6

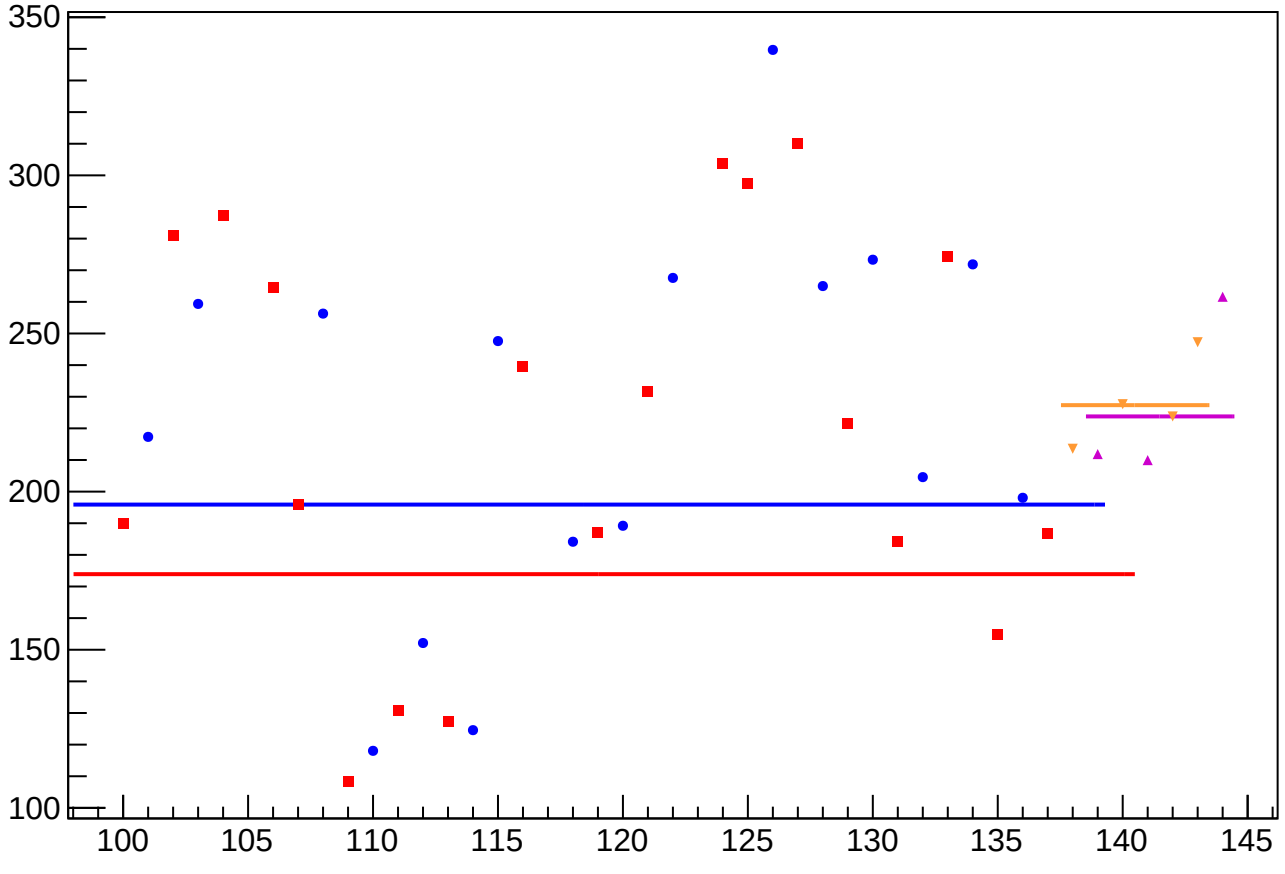
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 40.899+/-67.378 χ^2/NDF:20.8/18

Out: -52.275+/-61.424 χ^2/NDF:19.8/22

All: -9.985+/-45.393 χ^2/NDF: 41.7/41

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: 227.340+/-0.096 χ^2/NDF:16962.9/3

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 223.779+/-0.099 χ^2/NDF:50100.8/2

Left: 225.611+/-0.069 χ^2/NDF: 67732.6/6

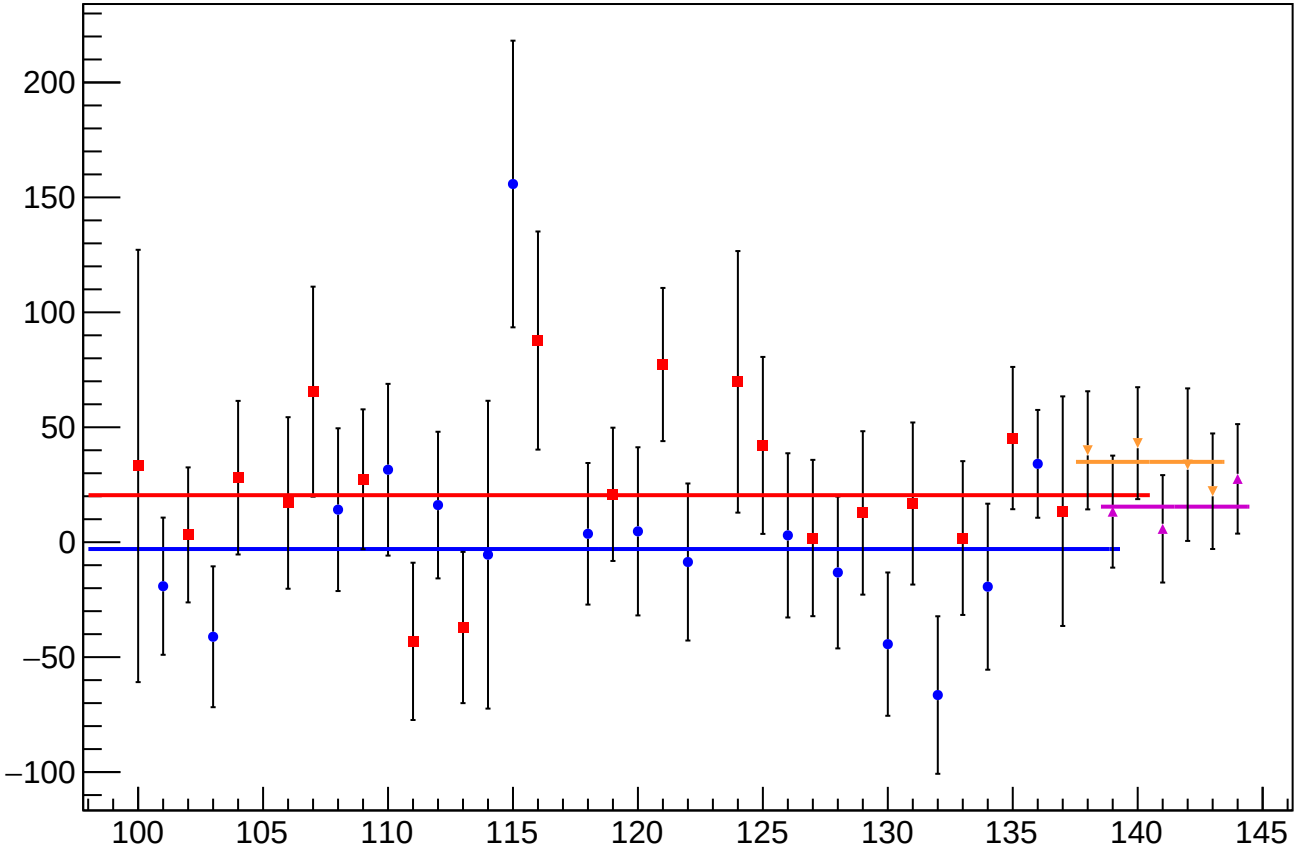
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 202.385+/-0.048 χ^2/NDF:1122237.6/18

Out: 184.850+/-0.043 χ^2/NDF:1863177.0/22

All: 192.809+/-0.032 χ^2/NDF: 3059388.8/41

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 34.951+/-13.253 χ^2/NDF:0.4/3

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 15.464+/-13.764 χ^2/NDF:0.4/2

Left: 25.576+/-9.547 χ^2/NDF: 1.9/6

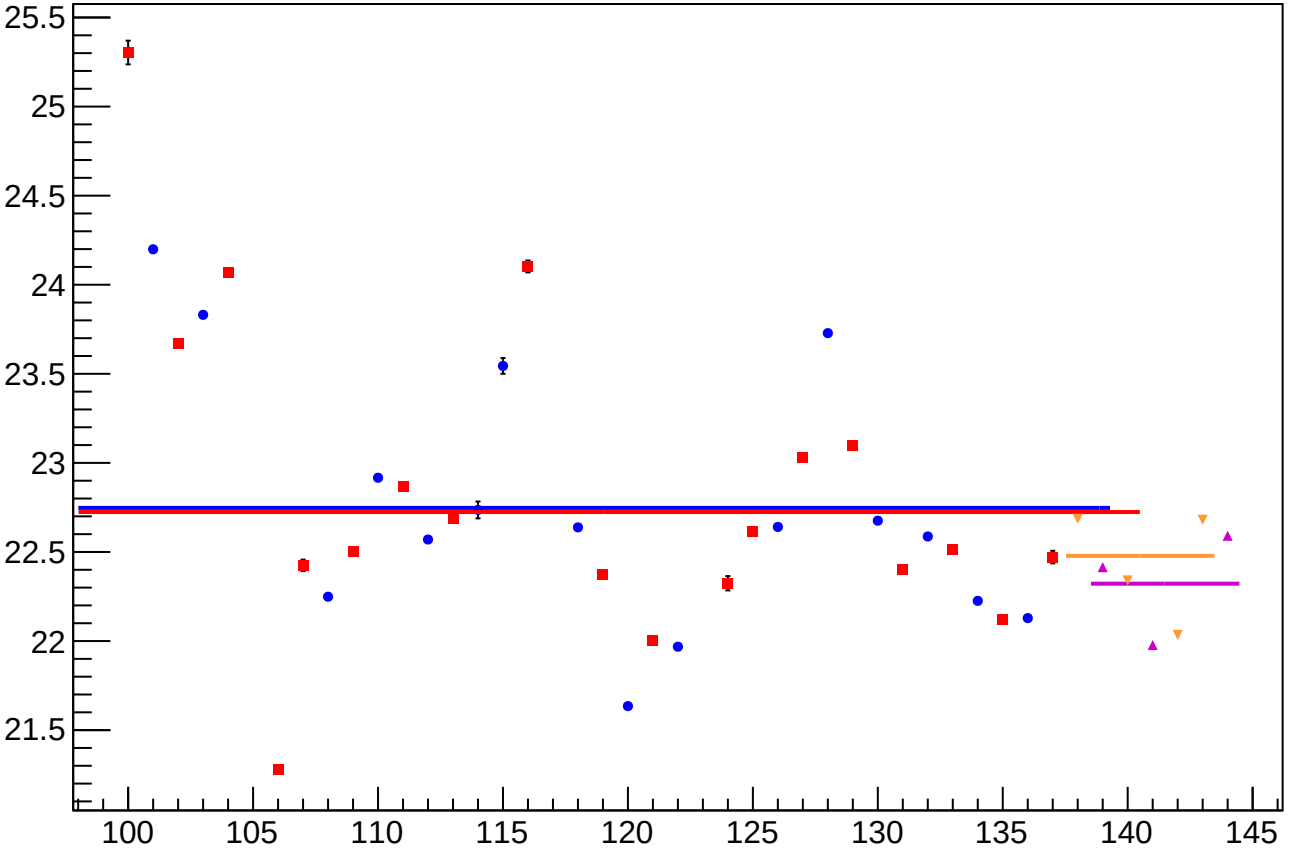
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 2.081+/-7.204 χ^2/NDF:19.7/18

Out: 24.535+/-7.029 χ^2/NDF:16.6/22

All: 13.583+/-5.031 χ^2/NDF: 41.2/41

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: 22.478+/-0.009 χ^2/NDF:683.7/3

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.322+/-0.010 χ^2/NDF:718.7/2

Left: 22.403+/-0.007 χ^2/NDF: 1536.2/6

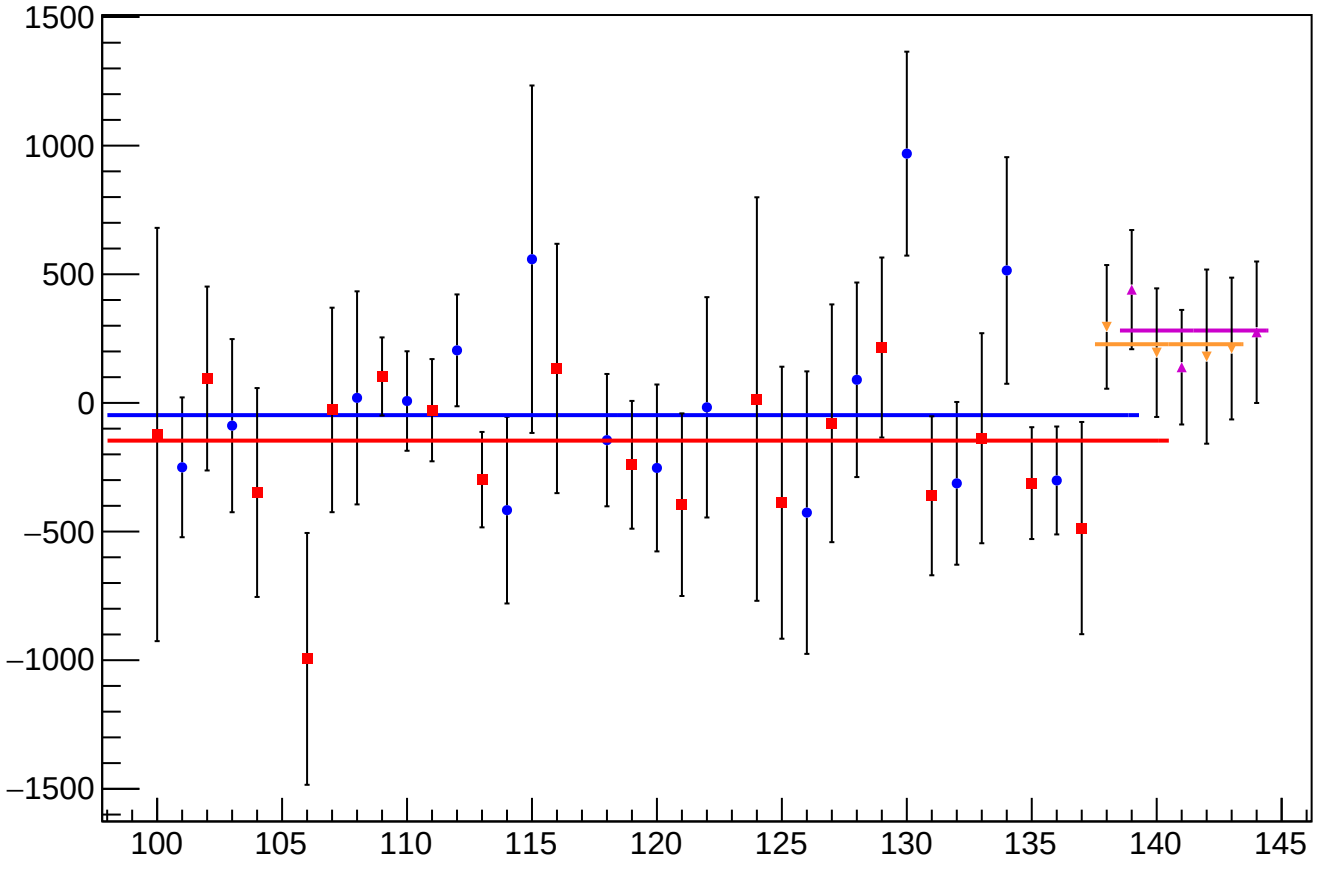
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.631+/-0.005 χ^2/NDF:16729.0/18

Out: 22.655+/-0.005 χ^2/NDF:15669.5/22

All: 22.643+/-0.004 χ^2/NDF: 32409.9/41

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 228.110+/-134.573 χ^2/NDF:0.1/3

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 281.352+/-138.621 χ^2/NDF:0.9/2

Left: 253.942+/-96.557 χ^2/NDF: 1.1/6

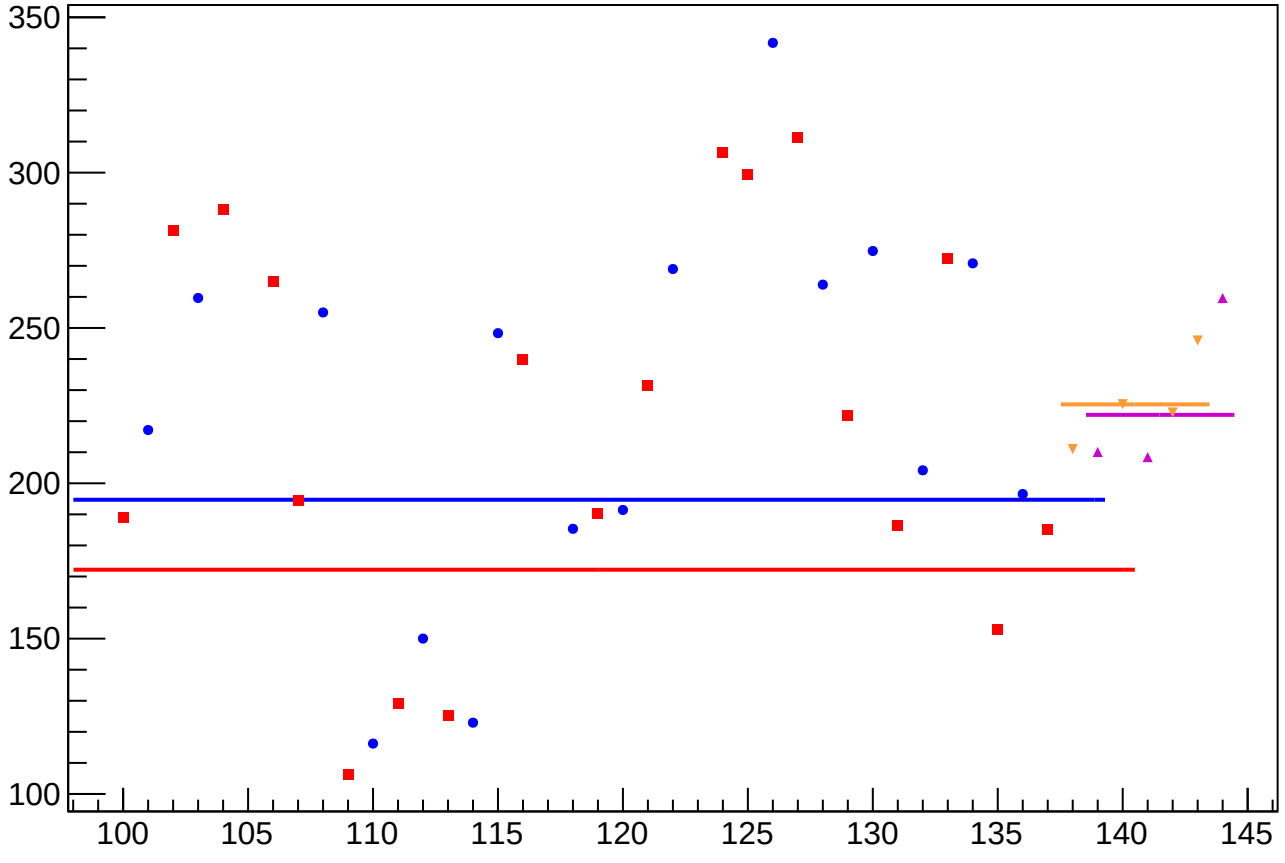
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 29.364+/-67.025 χ^2/NDF:20.6/18

Out: -69.653+/-60.974 χ^2/NDF:17.9/22

All: -24.815+/-45.103 χ^2/NDF: 39.6/41

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: 225.402+/-0.095 χ^2/NDF:18436.8/3

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 222.032+/-0.098 χ^2/NDF:50213.6/2

Left: 223.767+/-0.068 χ^2/NDF: 69258.9/6

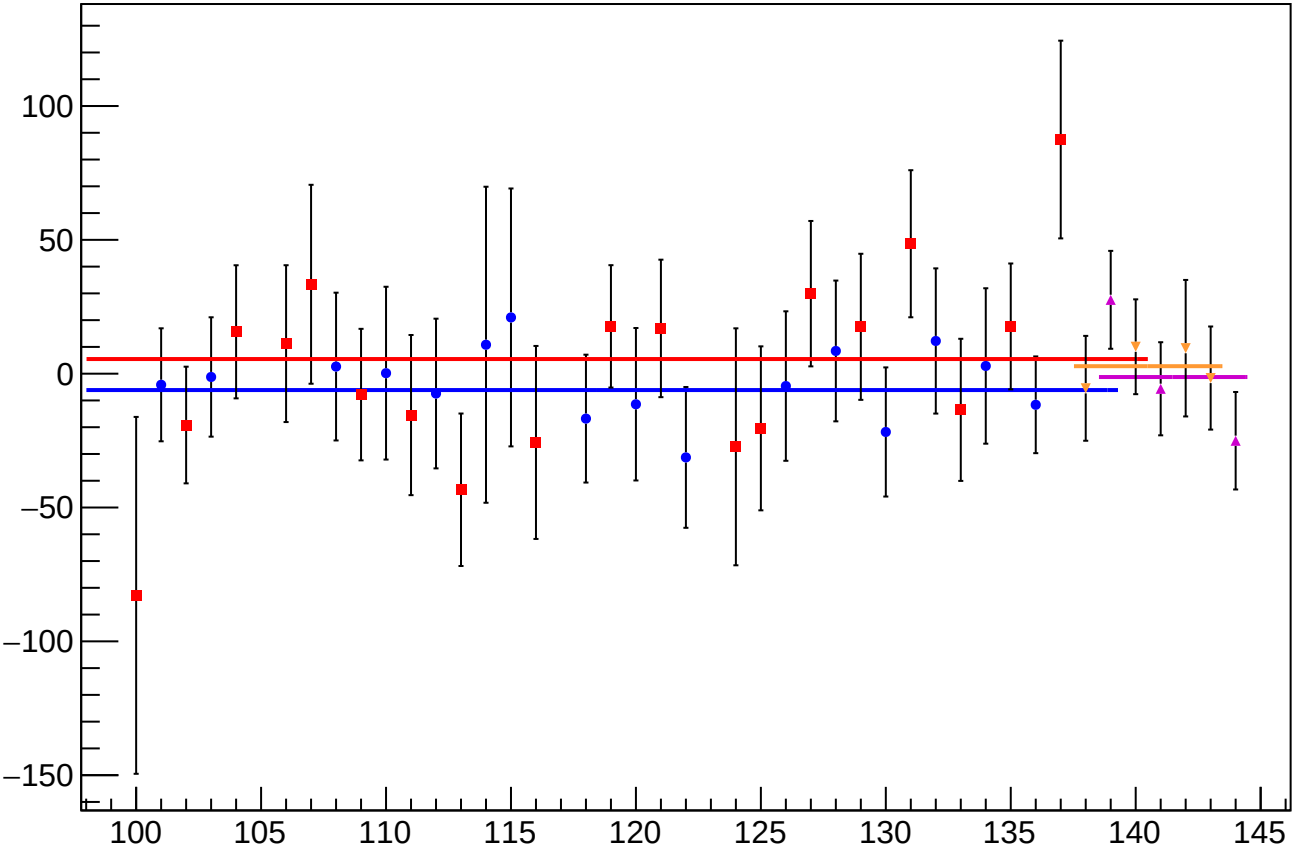
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 201.096+/-0.047 χ^2/NDF:1162043.0/18

Out: 183.111+/-0.043 χ^2/NDF:1938047.6/22

All: 191.255+/-0.032 χ^2/NDF: 3178885.4/41

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.798+/-9.986 χ^2/NDF:0.5/3

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.252+/-10.363 χ^2/NDF:4.3/2

Left: 0.848+/-7.191 χ^2/NDF: 4.8/6

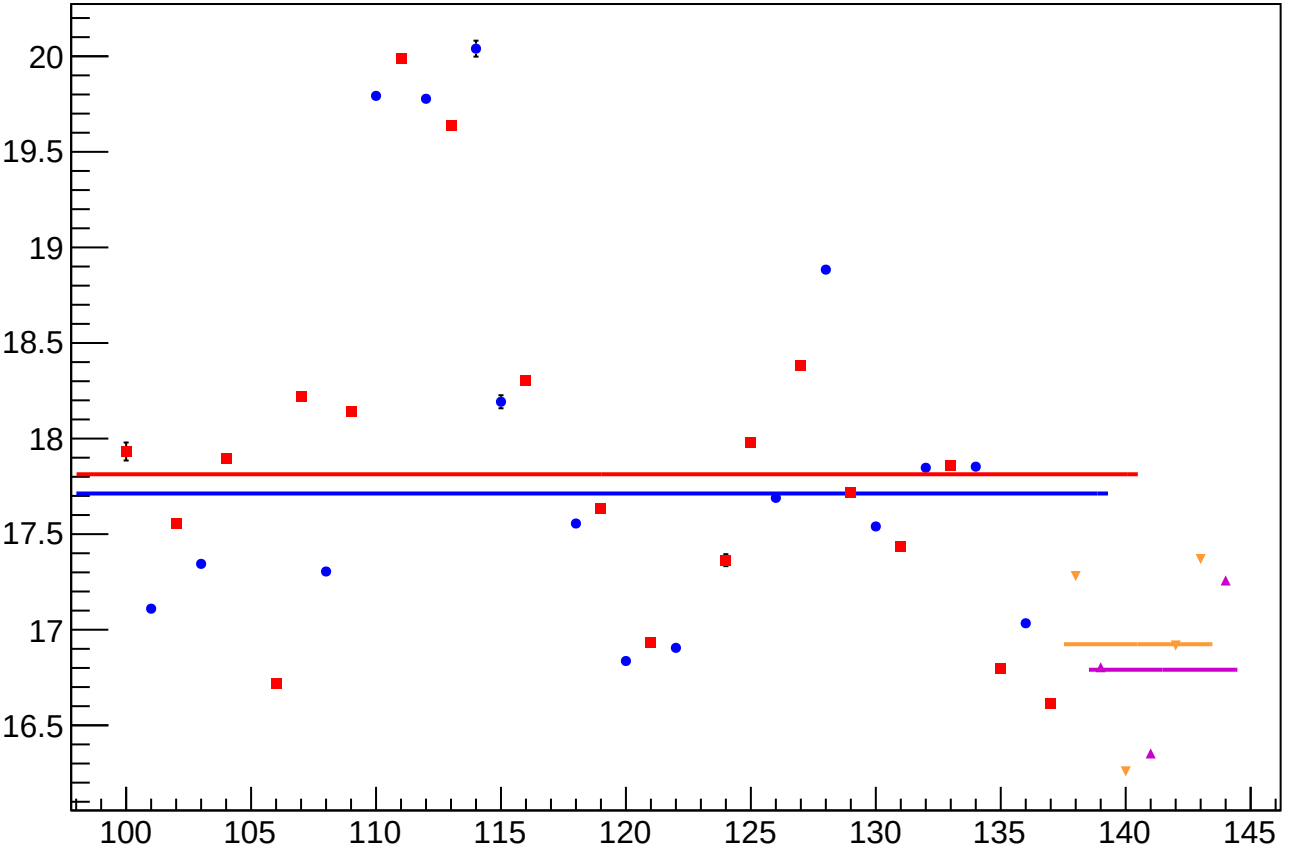
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -4.717+/-5.562 χ^2/NDF:7.5/18

Out: 4.673+/-5.453 χ^2/NDF:19.7/22

All: 0.071+/-3.894 χ^2/NDF: 28.7/41

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.924+/-0.007 χ^2/NDF:4554.6/3

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.791+/-0.007 χ^2/NDF:2584.0/2

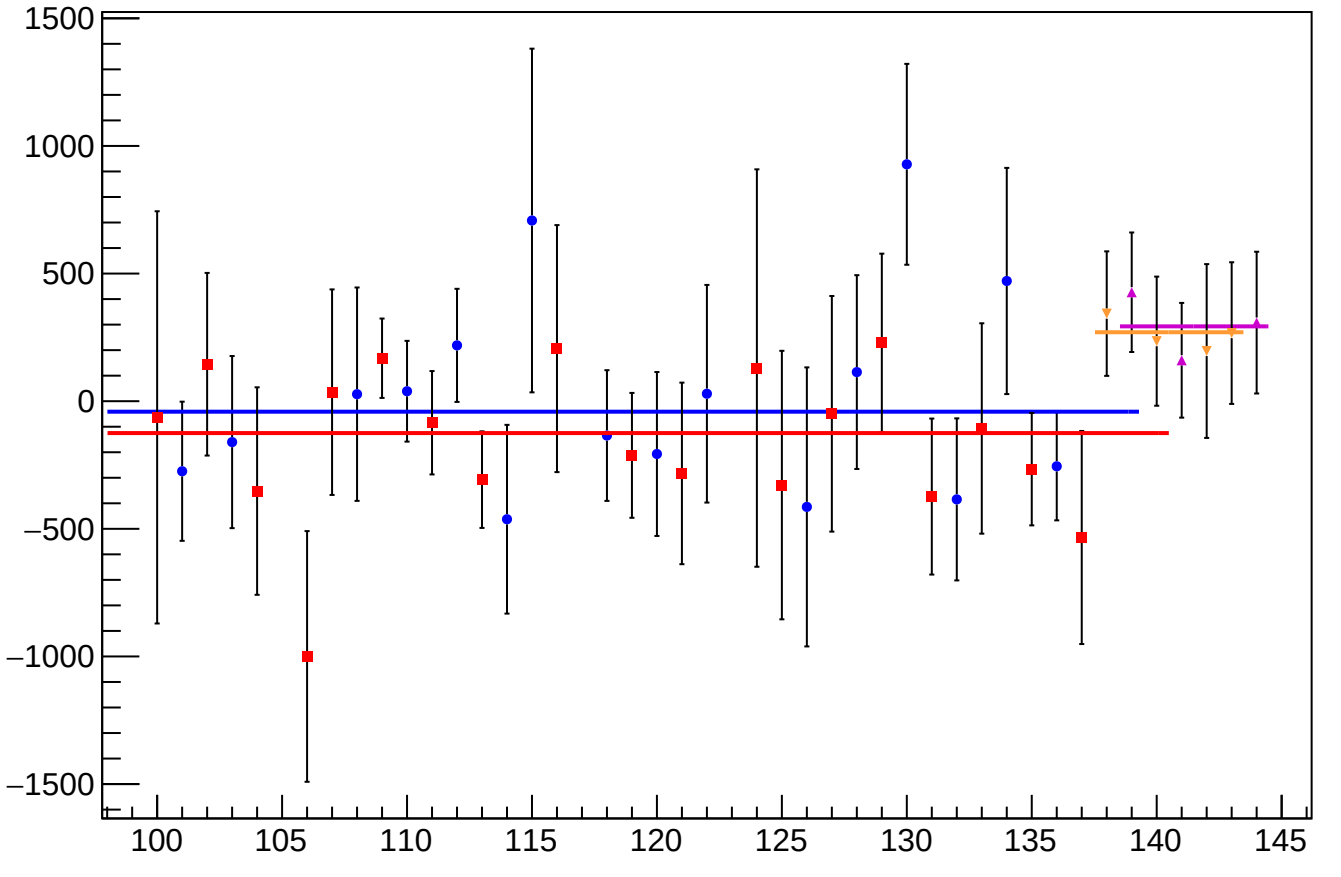
Left: 16.860+/-0.005 χ^2/NDF: 7310.6/6

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.447+/-0.004 χ^2/NDF:49837.2/18

Out: 17.548+/-0.004 χ^2/NDF:48394.9/22

All: 17.499+/-0.003 χ^2/NDF: 98569.2/41



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 270.176+/-136.014 χ^2/NDF:0.2/3

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 293.159+/-140.000 χ^2/NDF:0.7/2

Left: 281.336+/-97.555 χ^2/NDF: 0.8/6

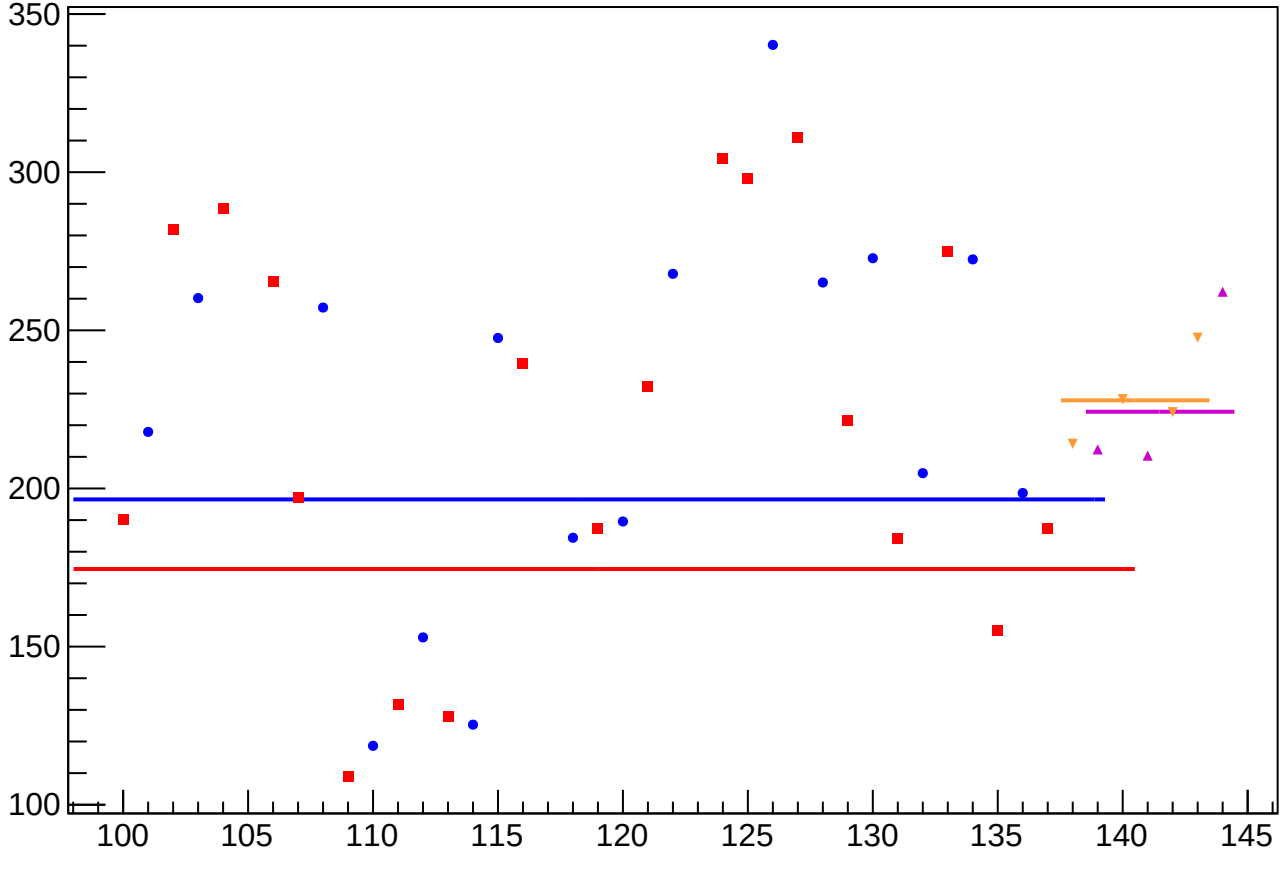
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 36.734+/-67.562 χ^2/NDF:20.7/18

Out: -43.812+/-61.612 χ^2/NDF:19.7/22

All: -7.241+/-45.525 χ^2/NDF: 41.2/41

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: 227.867+/-0.096 χ^2/NDF:16793.6/3

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 224.265+/-0.099 χ^2/NDF:50157.8/2

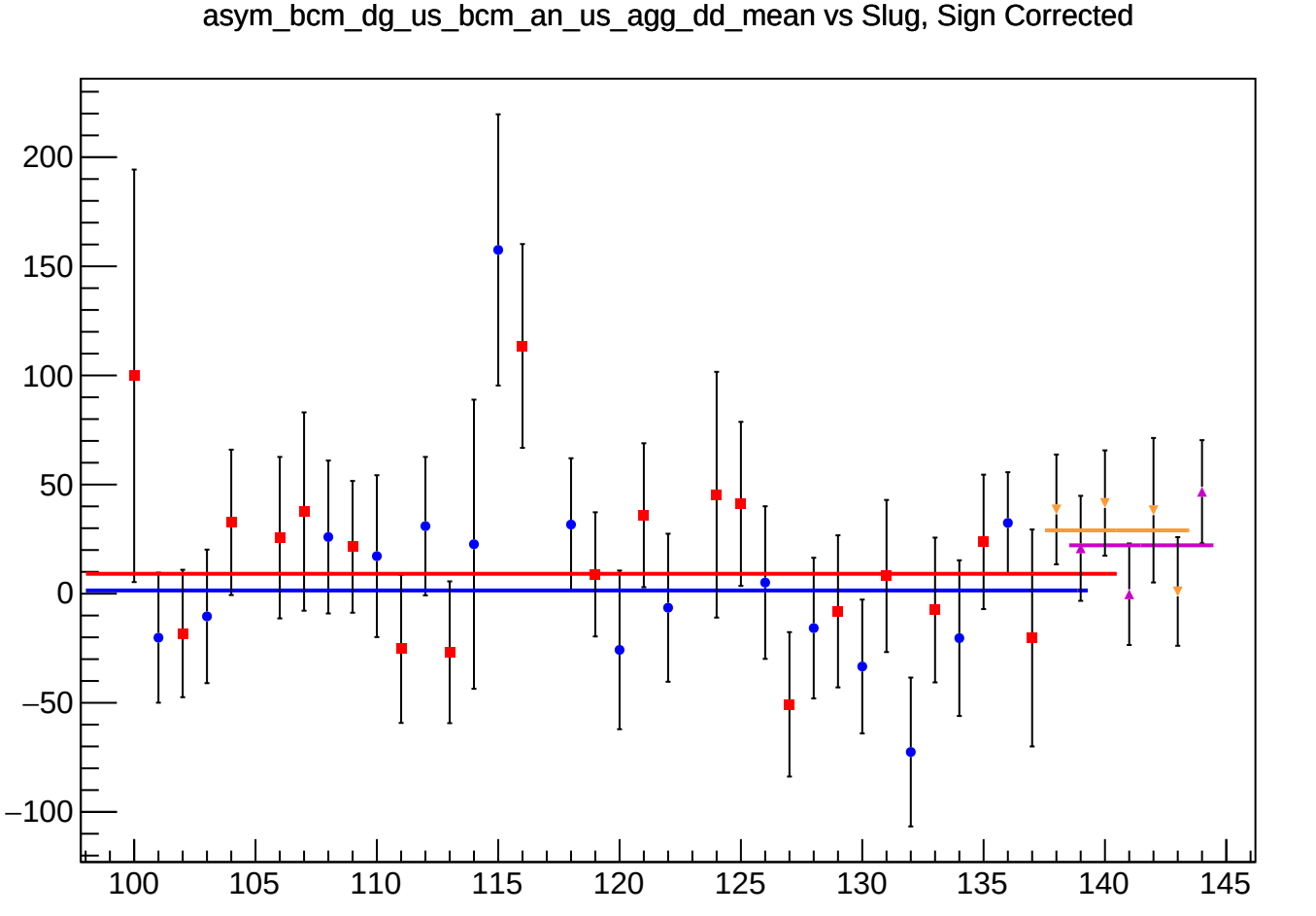
Left: 226.118+/-0.069 χ^2/NDF: 67632.5/6

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 202.998+/-0.048 χ^2/NDF:1111086.9/18

Out: 185.482+/-0.044 χ^2/NDF:1849872.3/22

All: 193.435+/-0.032 χ^2/NDF: 3034355.8/41



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 29.011+/-13.105 χ^2/NDF:1.8/3

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 22.169+/-13.653 χ^2/NDF:2.0/2

Left: 25.730+/-9.454 χ^2/NDF: 3.9/6

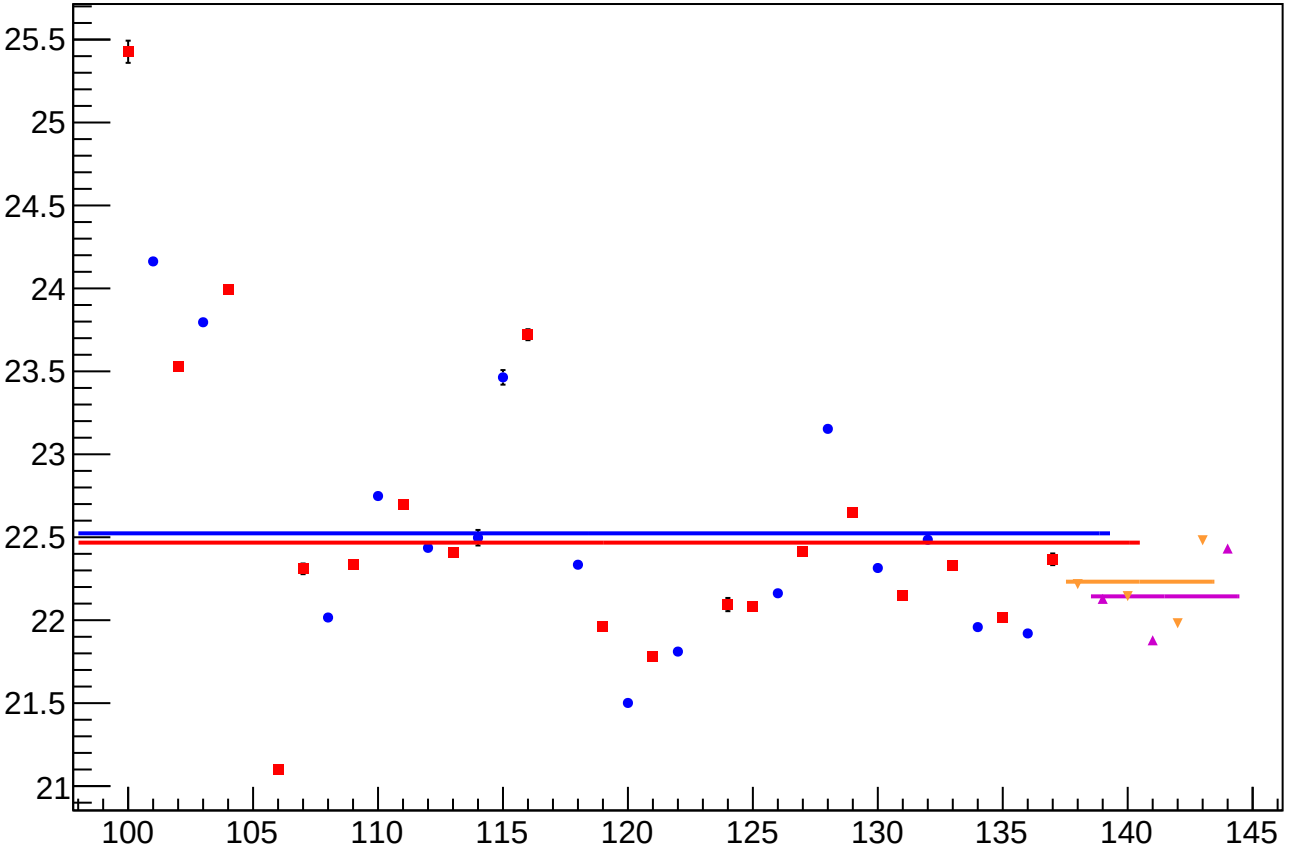
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 7.128+/-7.136 χ^2/NDF:22.3/18

Out: 14.710+/-6.950 χ^2/NDF:19.9/22

All: 11.019+/-4.979 χ^2/NDF: 42.8/41

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: 22.232+/-0.009 χ^2/NDF:342.4/3

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.144+/-0.010 χ^2/NDF:557.0/2

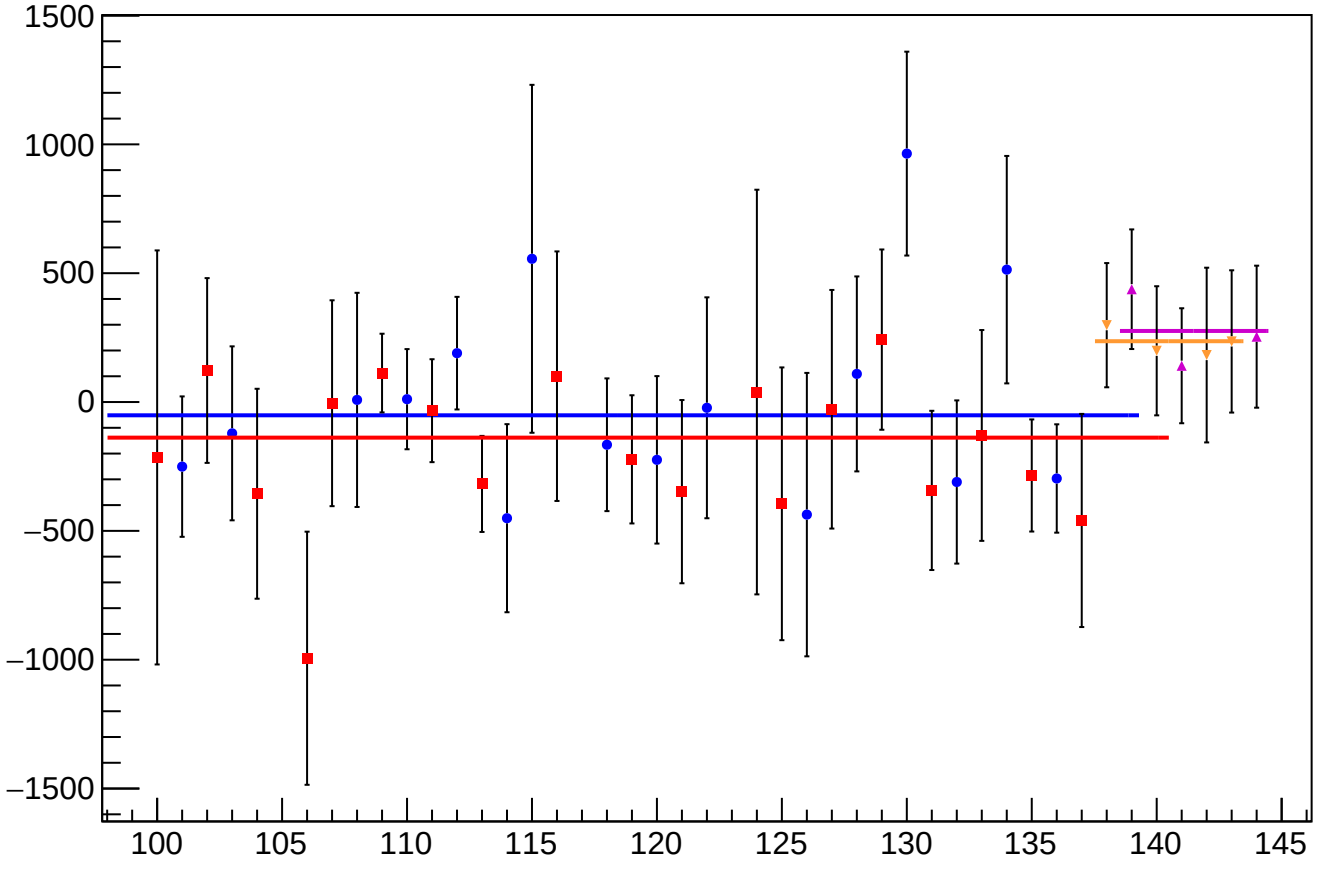
Left: 22.190+/-0.007 χ^2/NDF: 943.1/6

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.420+/-0.005 χ^2/NDF:17630.1/18

Out: 22.401+/-0.005 χ^2/NDF:16432.8/22

All: 22.410+/-0.004 χ^2/NDF: 34069.7/41



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.027+/-134.887 χ^2/NDF:0.1/3

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 275.836+/-138.926 χ^2/NDF:0.9/2

Left: 255.344+/-96.776 χ^2/NDF: 1.0/6

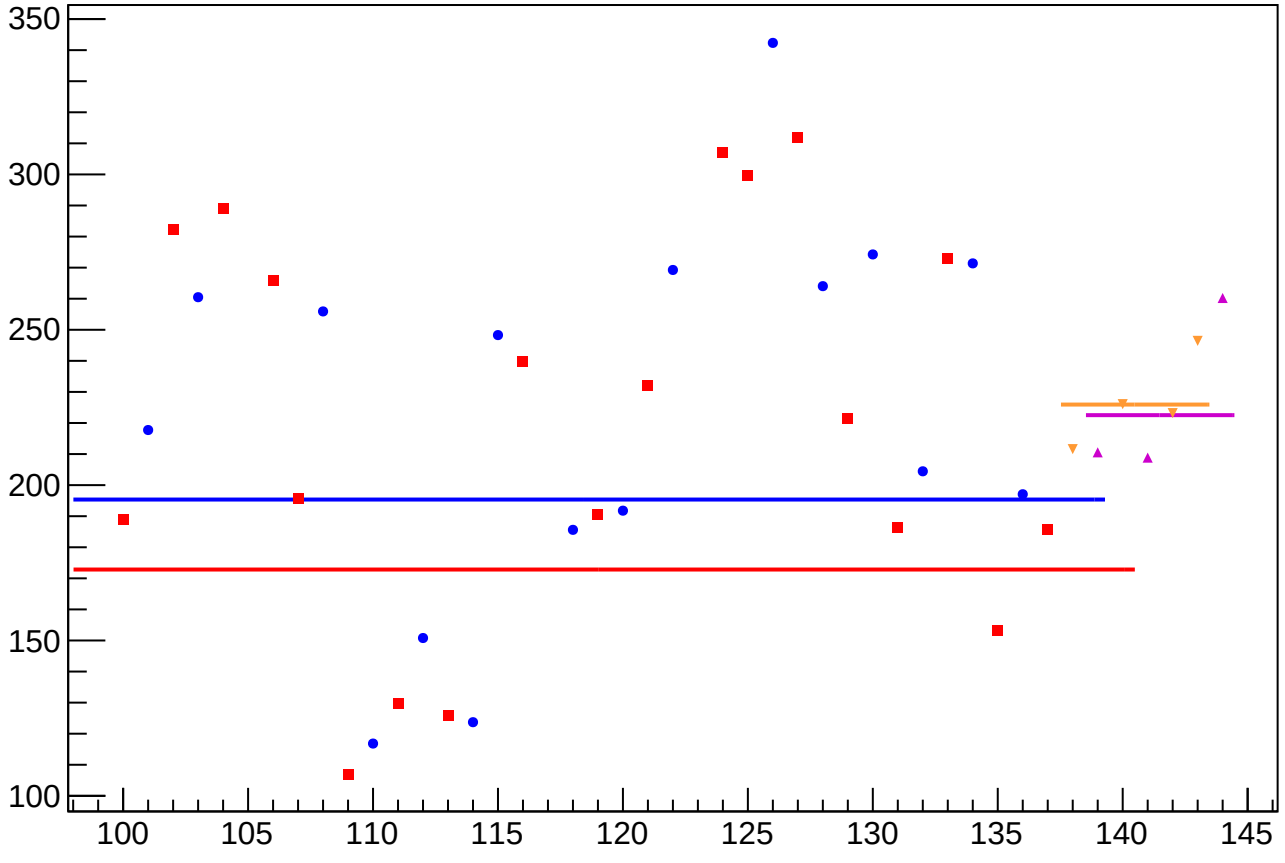
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 25.122+/-67.212 χ^2/NDF:20.5/18

Out: -61.241+/-61.164 χ^2/NDF:17.8/22

All: -22.119+/-45.237 χ^2/NDF: 39.2/41

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: 225.930+/-0.095 χ^2/NDF:18246.9/3

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 222.522+/-0.098 χ^2/NDF:50265.8/2

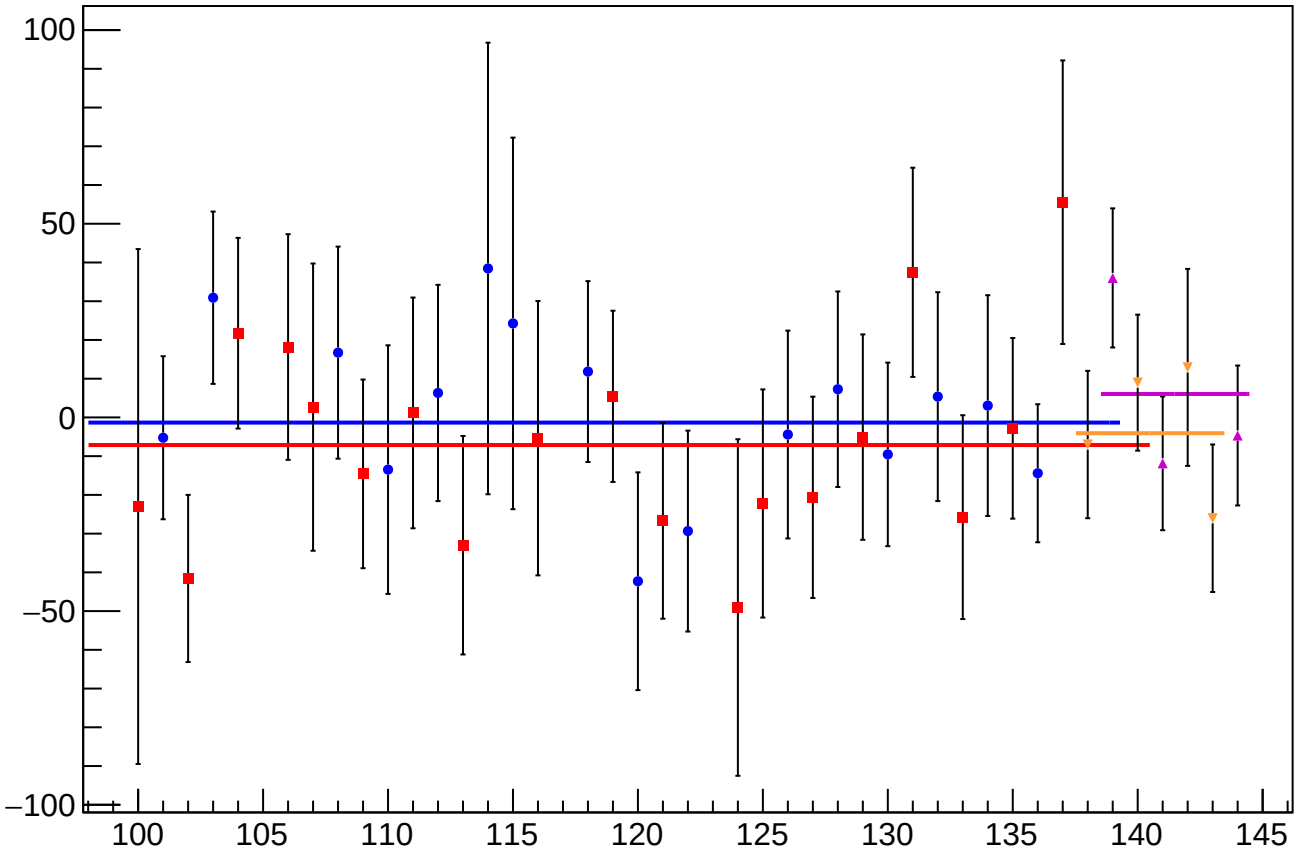
Left: 224.276+/-0.068 χ^2/NDF: 69132.5/6

Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 201.718+/-0.048 χ^2/NDF:1150249.9/18

Out: 183.754+/-0.043 χ^2/NDF:1923828.8/22

All: 191.891+/-0.032 χ^2/NDF: 3152233.7/41



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -4.073+/-9.847 χ^2/NDF:2.4/3

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 6.055+/-10.249 χ^2/NDF:4.2/2

Left: 0.788+/-7.101 χ^2/NDF: 7.1/6

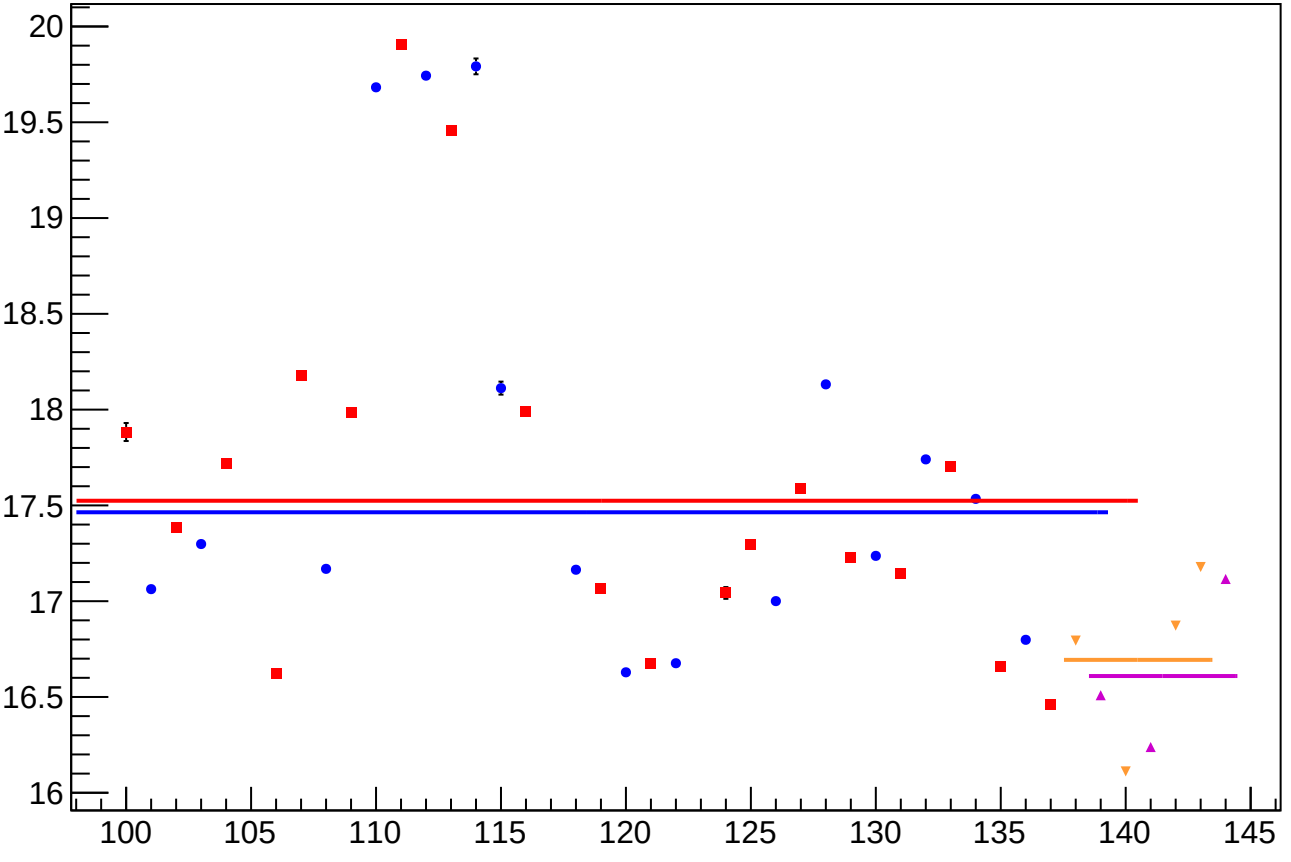
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 0.787+/-5.488 χ^2/NDF:12.6/18

Out: -6.219+/-5.367 χ^2/NDF:16.8/22

All: -2.794+/-3.837 χ^2/NDF: 30.3/41

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: 16.694+/-0.007 χ^2/NDF:3651.8/3

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.609+/-0.007 χ^2/NDF:2557.2/2

Left: 16.653+/-0.005 χ^2/NDF: 6279.5/6

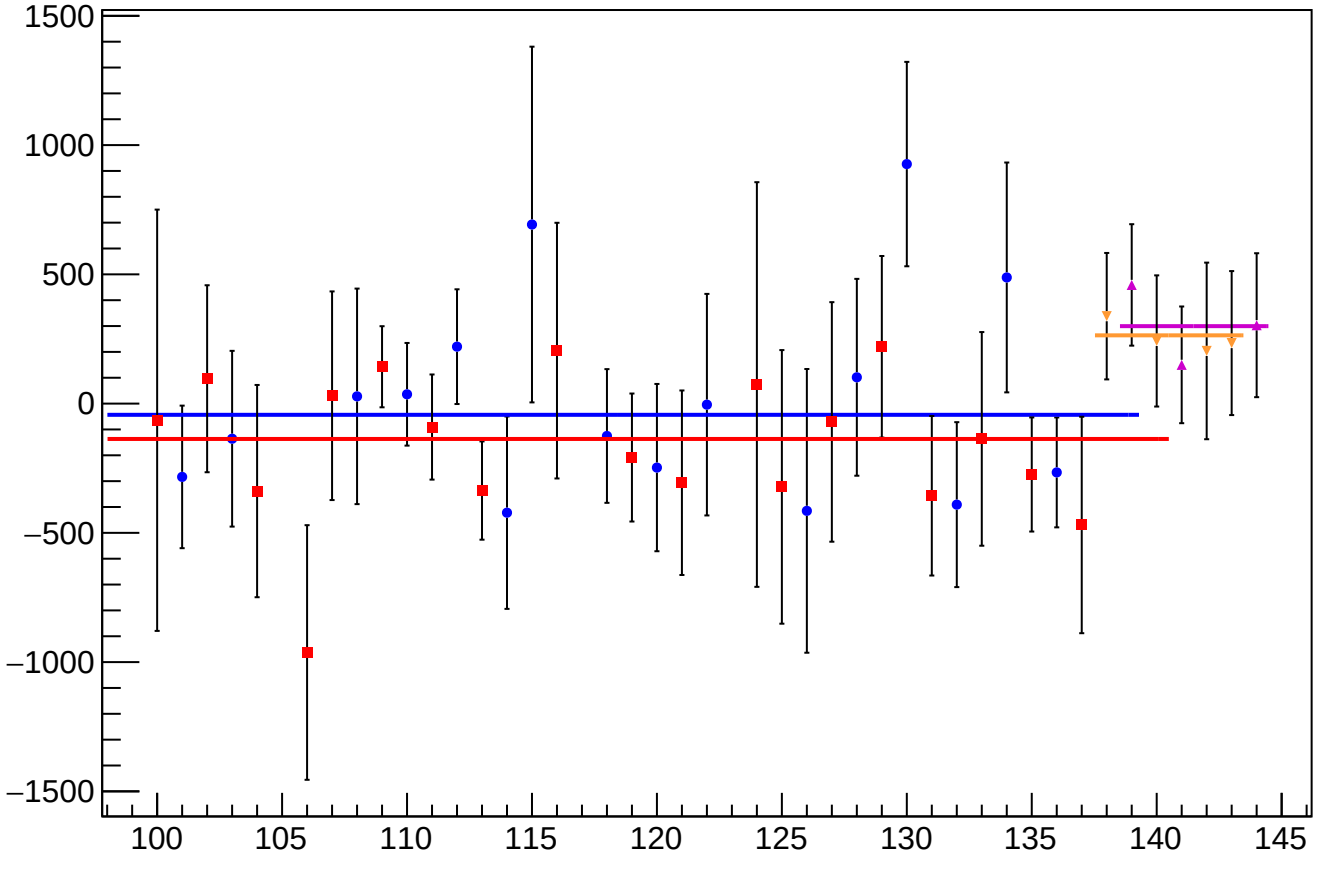
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.219+/-0.004 χ^2/NDF:49130.8/18

Out: 17.278+/-0.004 χ^2/NDF:48379.9/22

All: 17.249+/-0.003 χ^2/NDF: 97626.8/41

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: 264.048+/-136.446 χ^2/NDF:0.1/3

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 299.605+/-140.507 χ^2/NDF:0.9/2

Left: 281.305+/-97.886 χ^2/NDF: 1.1/6

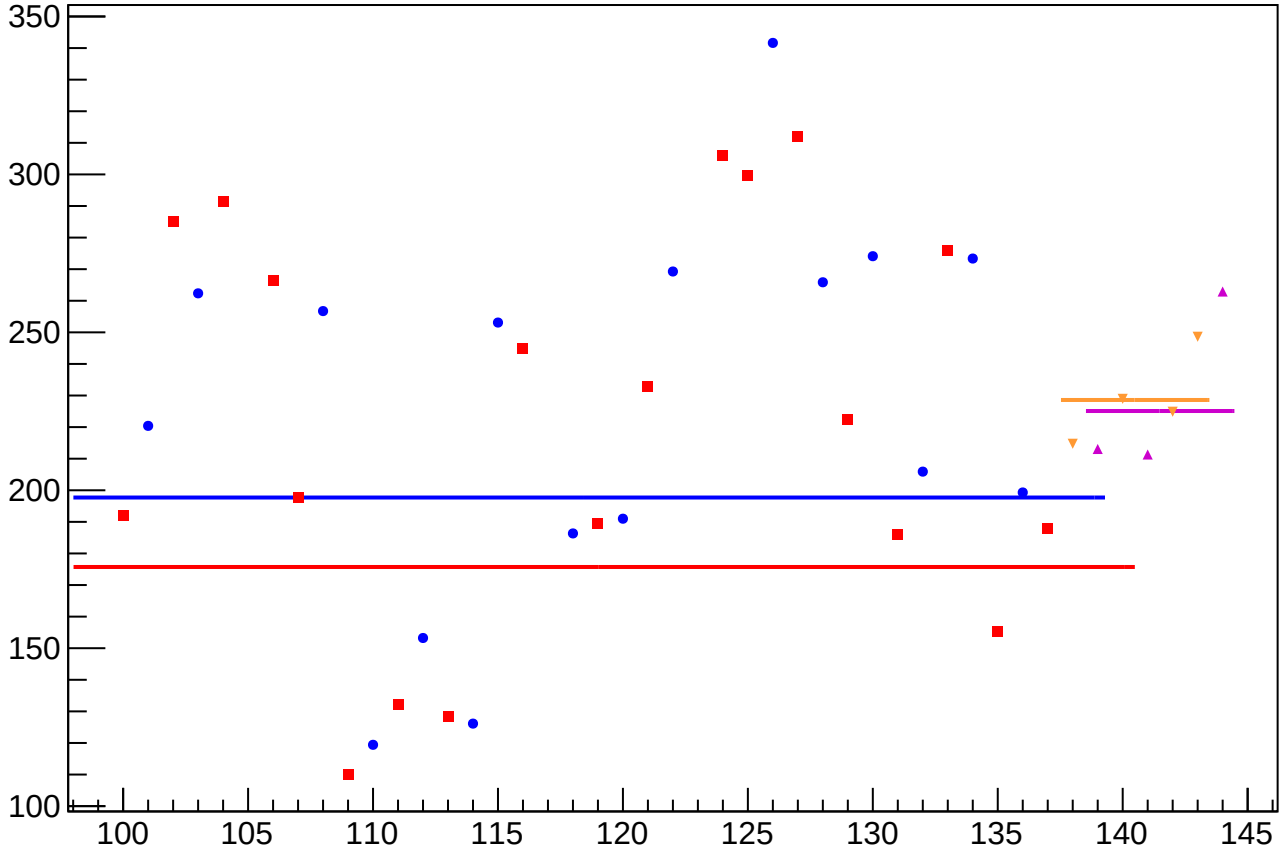
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 36.757+/-67.918 χ^2/NDF:20.9/18

Out: -54.101+/-61.969 χ^2/NDF:18.5/22

All: -12.825+/-45.778 χ^2/NDF: 40.4/41

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: 228.589+/-0.096 χ^2/NDF:17000.9/3

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 225.096+/-0.099 χ^2/NDF:49597.9/2

Left: 226.894+/-0.069 χ^2/NDF: 67235.2/6

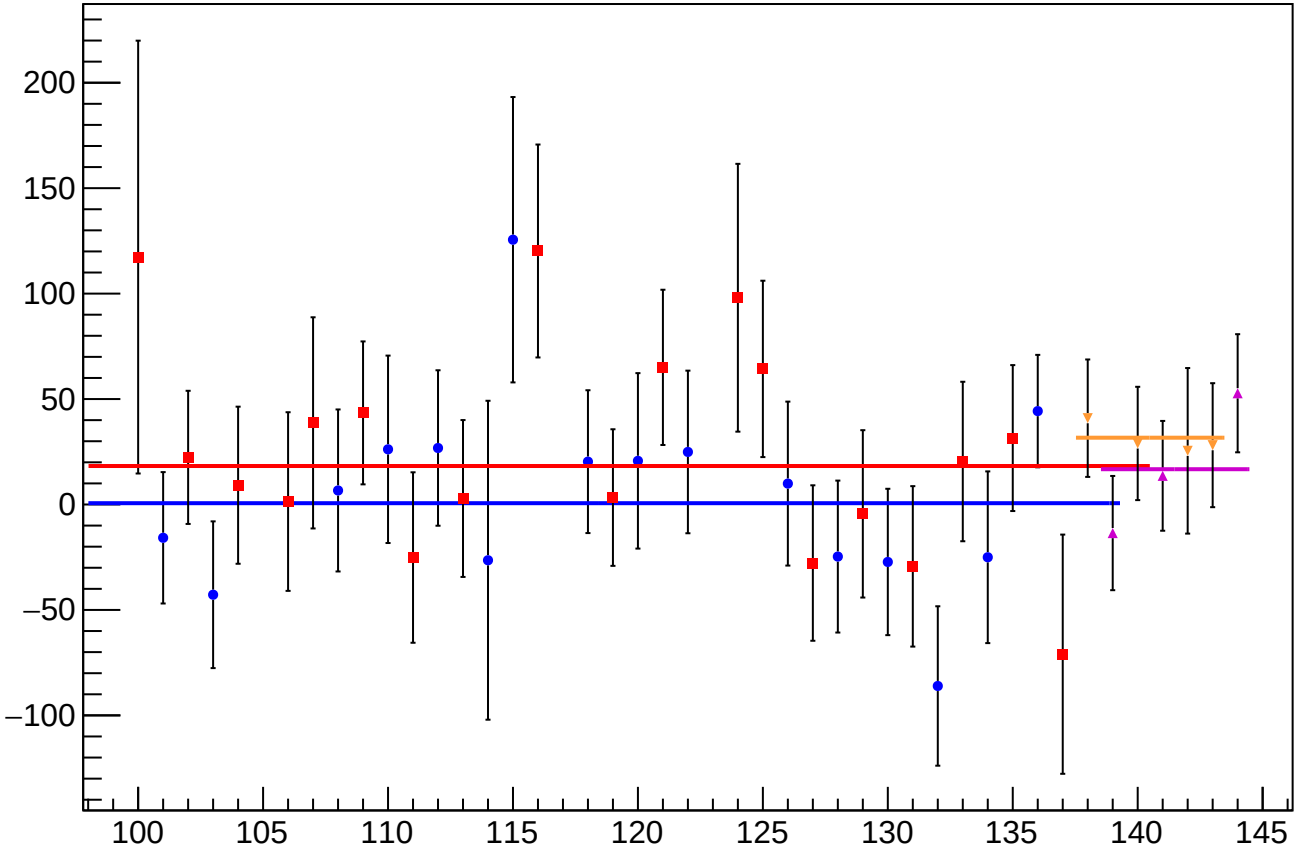
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 204.107+/-0.048 χ^2/NDF:1108158.1/18

Out: 186.622+/-0.044 χ^2/NDF:1845935.0/22

All: 194.565+/-0.032 χ^2/NDF: 3026427.7/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.674+/-14.938 χ^2/NDF:0.2/3

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 16.733+/-15.592 χ^2/NDF:2.9/2

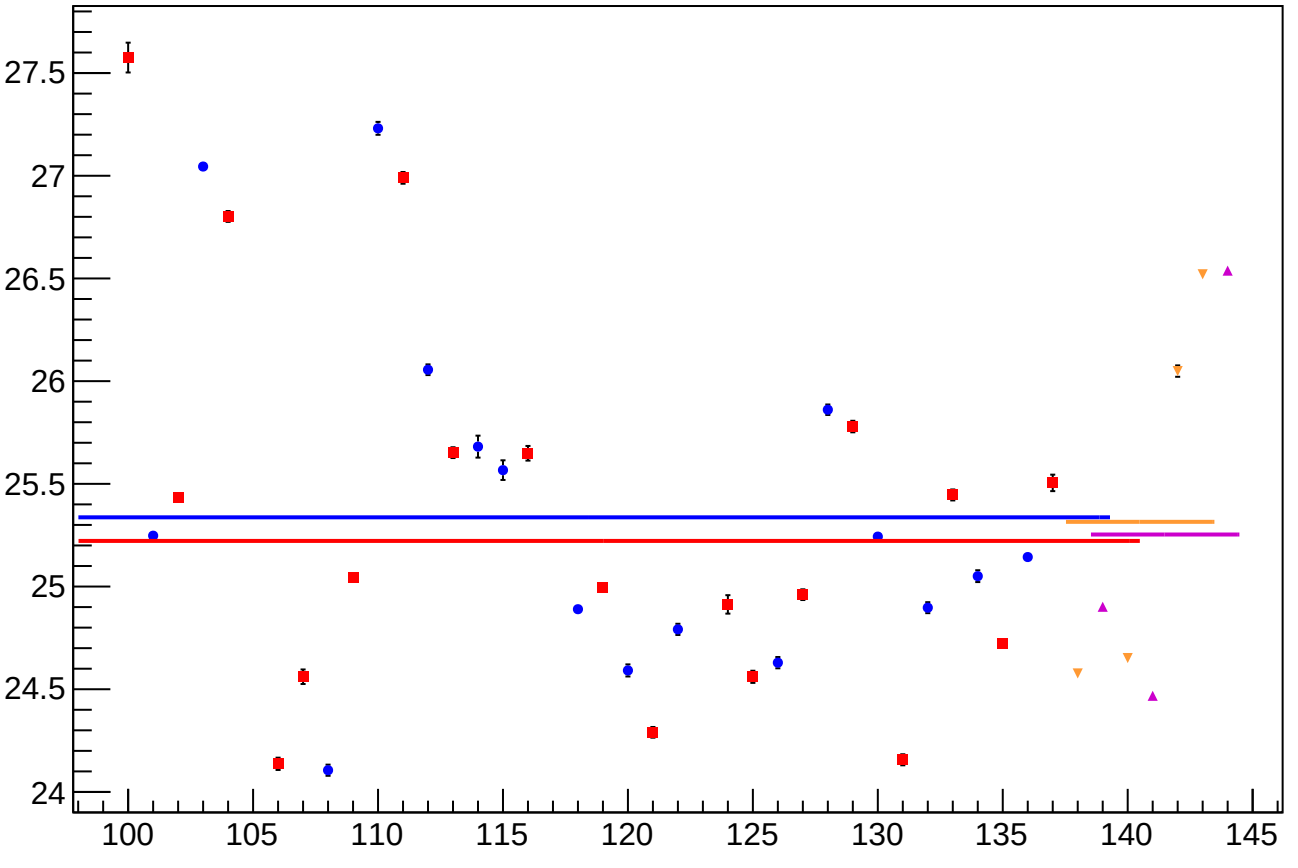
Left: 24.524+/-10.787 χ^2/NDF: 3.6/6

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 4.929+/-8.064 χ^2/NDF:20.4/18

Out: 21.945+/-7.839 χ^2/NDF:18.7/22

All: 13.678+/-5.621 χ^2/NDF: 41.5/41



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.315+/-0.011 χ^2/NDF:6685.1/3

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.253+/-0.011 χ^2/NDF:6364.7/2

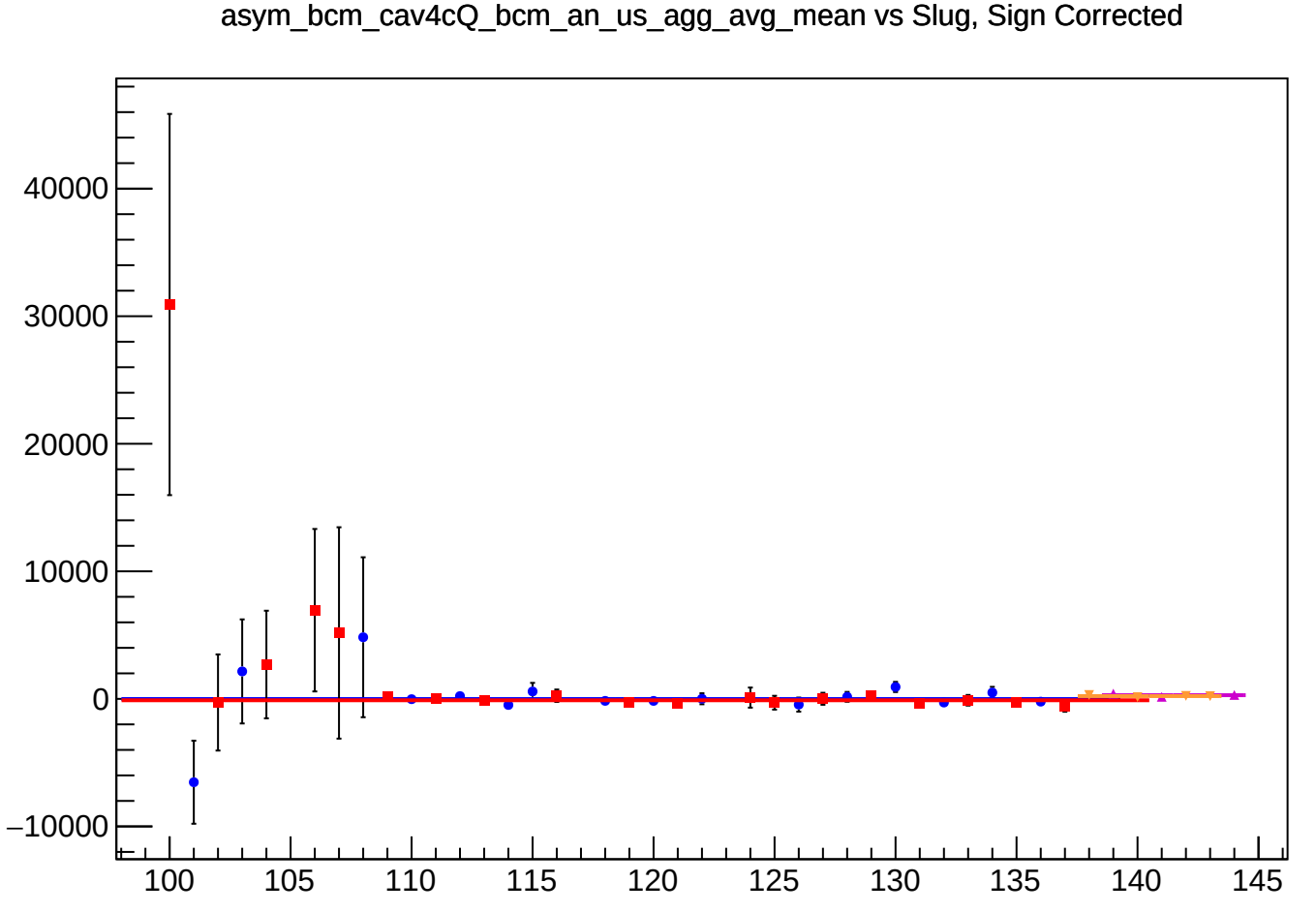
Left: 25.286+/-0.008 χ^2/NDF: 13066.1/6

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.315+/-0.006 χ^2/NDF:20721.9/18

Out: 25.248+/-0.006 χ^2/NDF:21965.6/22

All: 25.280+/-0.004 χ^2/NDF: 42758.3/41



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 219.395+/-136.864 χ^2/NDF:0.2/3

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 287.950+/-139.735 χ^2/NDF:0.6/2

Left: 252.961+/-97.777 χ^2/NDF: 1.0/6

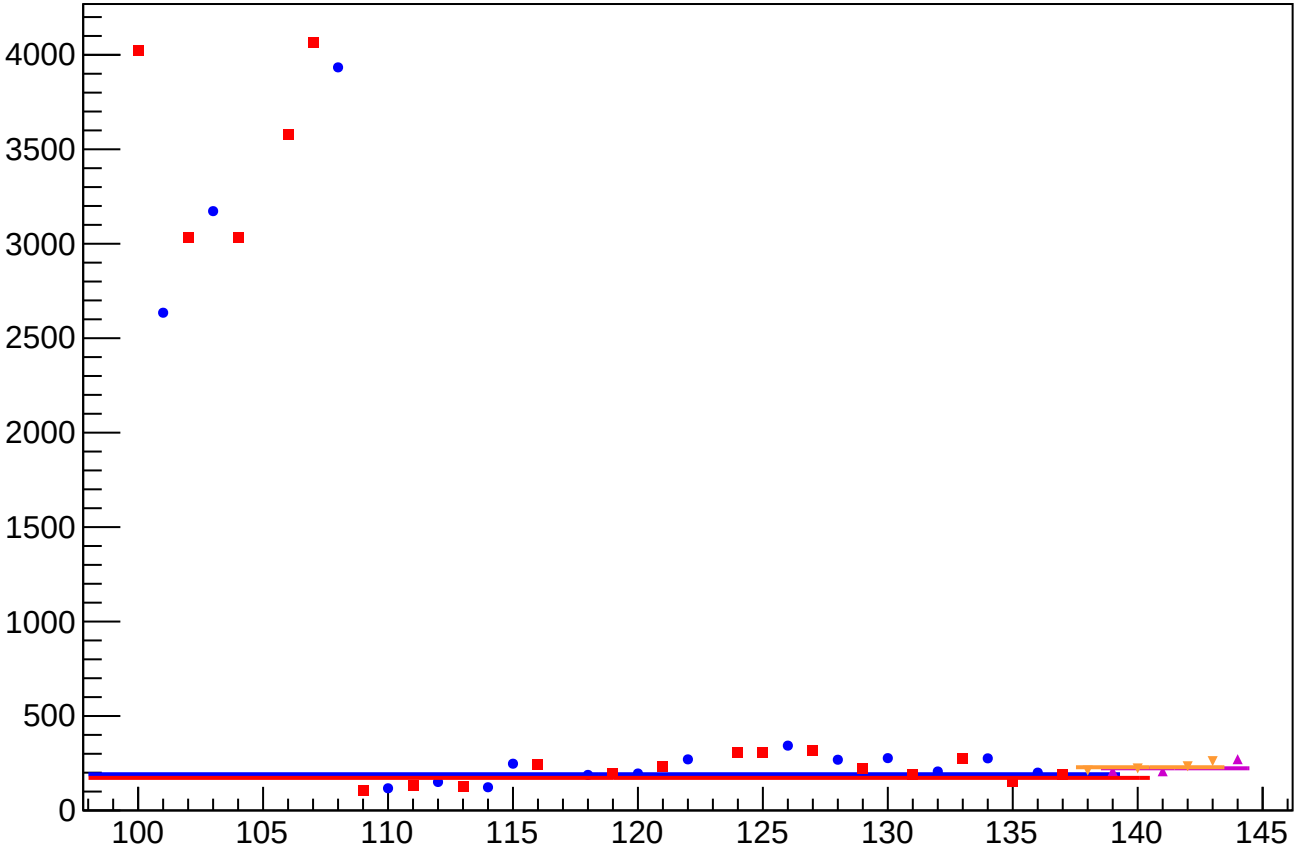
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 66.072+/-72.433 χ^2/NDF:22.4/18

Out: -28.203+/-67.832 χ^2/NDF:18.6/22

All: 15.846+/-49.511 χ^2/NDF: 41.9/41

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: 228.768+/-0.097 χ^2/NDF:36861.4/3

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 223.174+/-0.099 χ^2/NDF:73893.9/2

Left: 226.029+/-0.069 χ^2/NDF: 112390.9/6

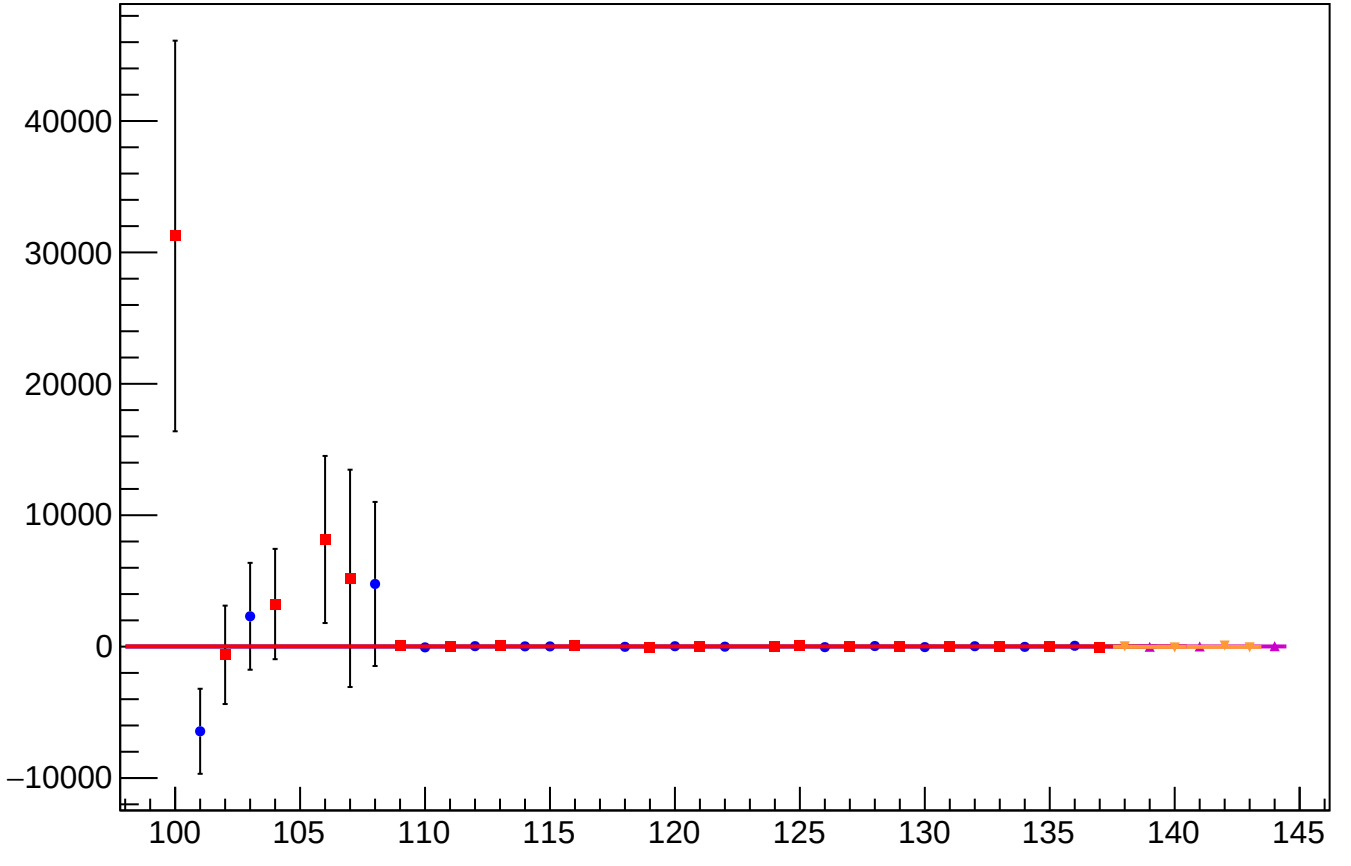
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 200.183+/-0.051 χ^2/NDF:3969733.9/18

Out: 186.293+/-0.048 χ^2/NDF:4595340.2/22

All: 192.783+/-0.035 χ^2/NDF: 8604257.8/41

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: -14.862+/-17.361 χ^2/NDF:9.0/3

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 14.354+/-17.694 χ^2/NDF:1.1/2

Left: -0.532+/-12.392 χ^2/NDF: 11.5/6

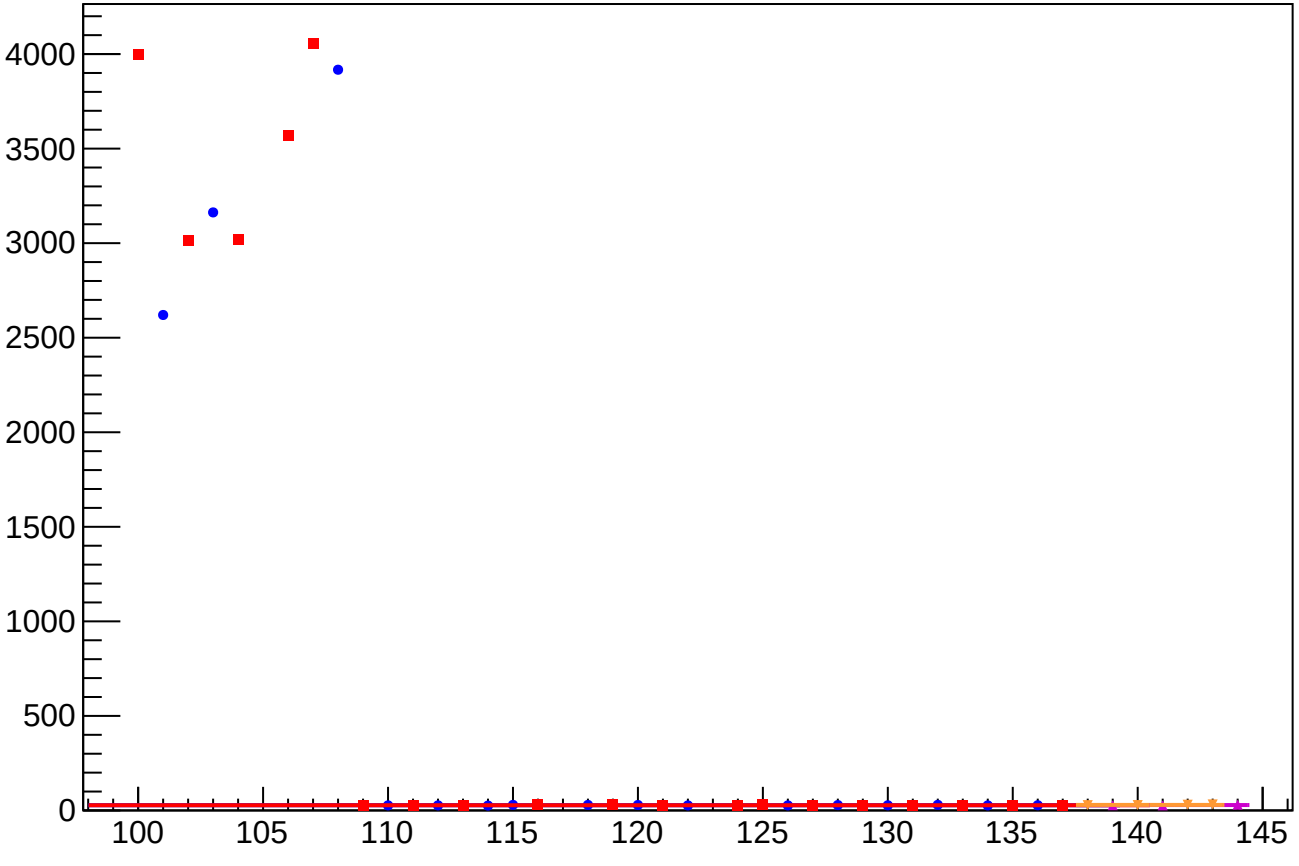
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 11.027+/-9.751 χ^2/NDF:17.2/18

Out: 7.682+/-9.762 χ^2/NDF:36.2/22

All: 9.356+/-6.899 χ^2/NDF: 53.5/41

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.265+/-0.012 χ^2/NDF:16667.8/3

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.594+/-0.013 χ^2/NDF:16925.5/2

Left: 28.936+/-0.009 χ^2/NDF: 35062.5/6

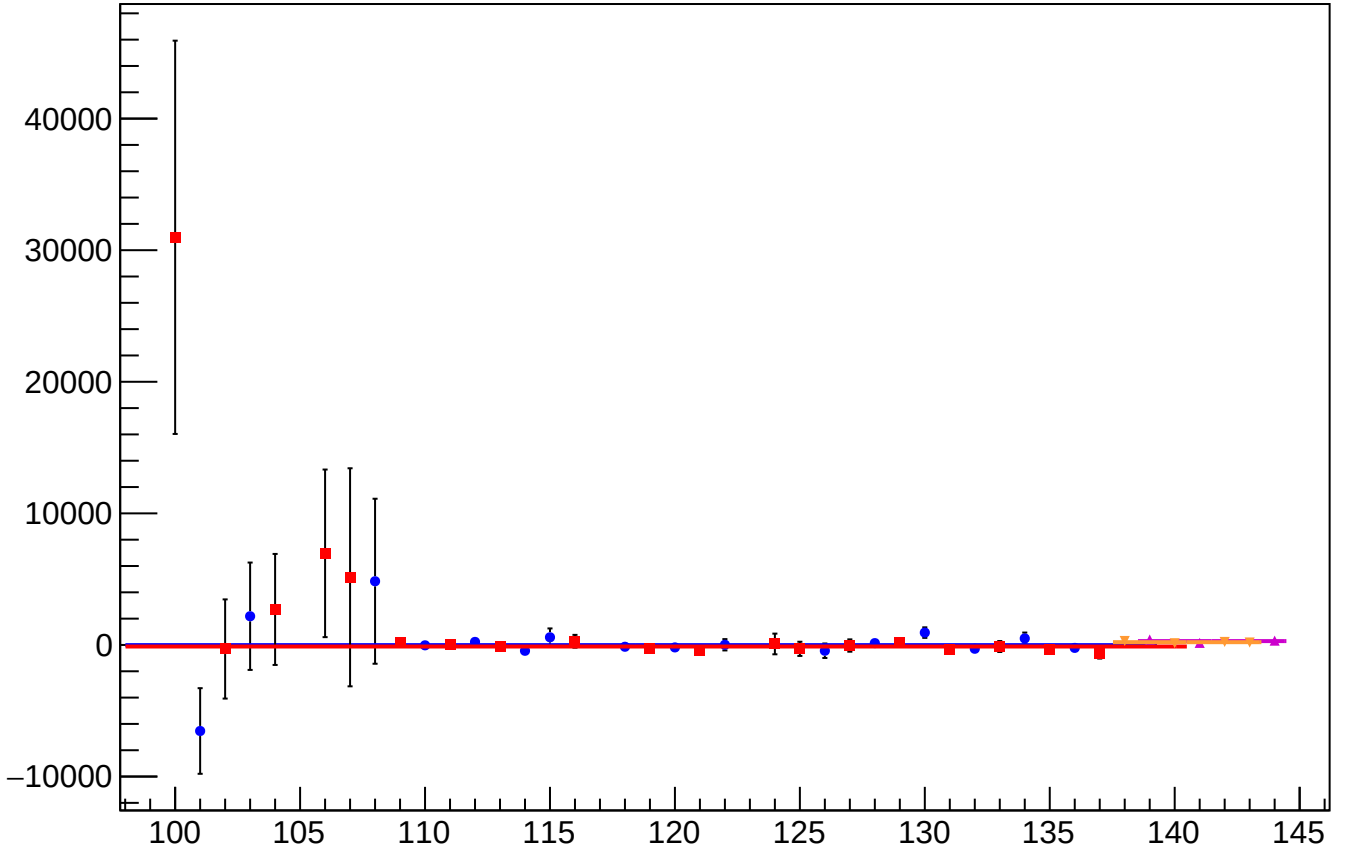
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 27.931+/-0.007 χ^2/NDF:3286455.2/18

Out: 28.082+/-0.007 χ^2/NDF:3585490.7/22

All: 28.006+/-0.005 χ^2/NDF: 6872185.9/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 211.981+/-136.547 χ^2/NDF:0.3/3

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 293.379+/-139.432 χ^2/NDF:0.7/2

Left: 251.829+/-97.557 χ^2/NDF: 1.1/6

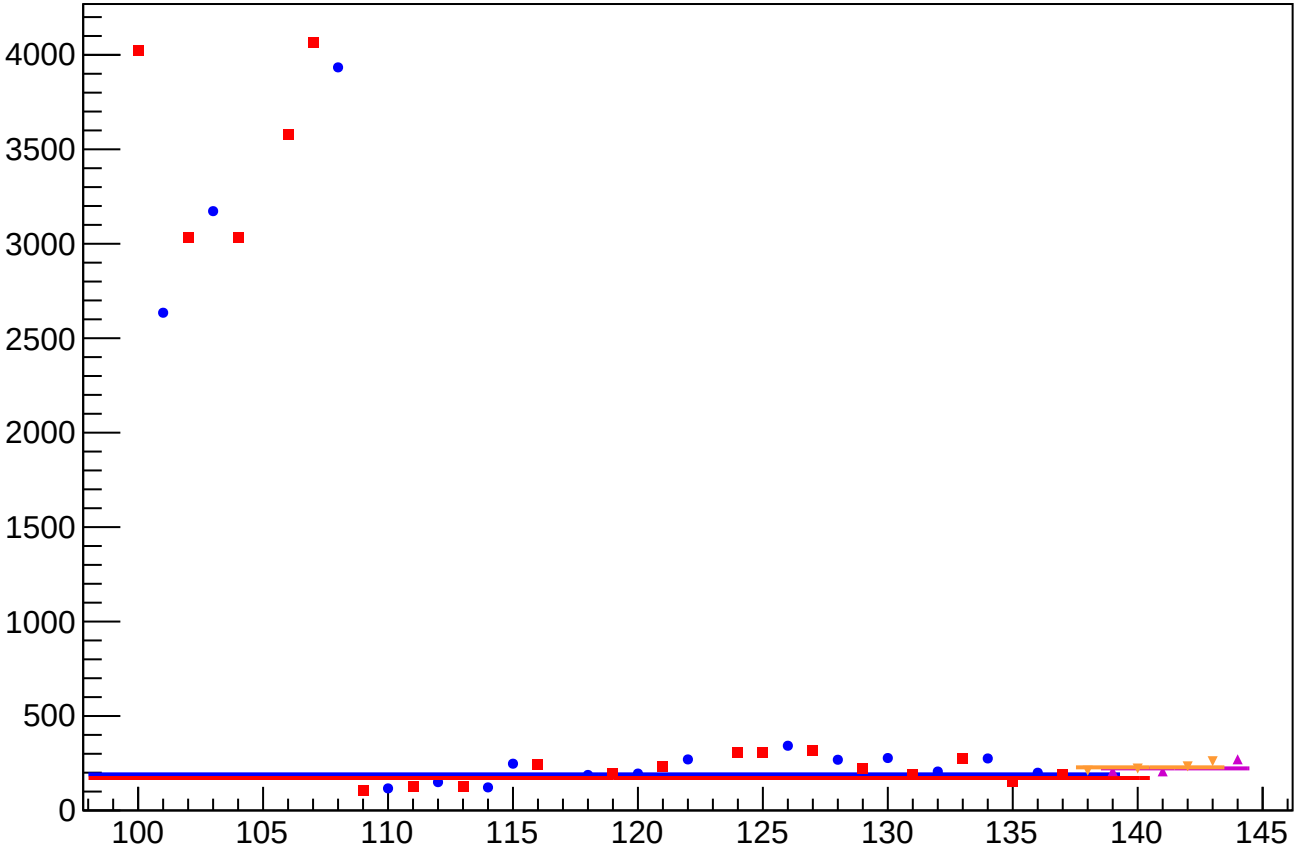
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 69.116+/-72.237 χ^2/NDF:22.5/18

Out: -37.080+/-67.639 χ^2/NDF:19.1/22

All: 12.531+/-49.373 χ^2/NDF: 42.8/41

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: 228.231+/-0.097 χ^2/NDF:37226.2/3

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 222.688+/-0.099 χ^2/NDF:73878.8/2

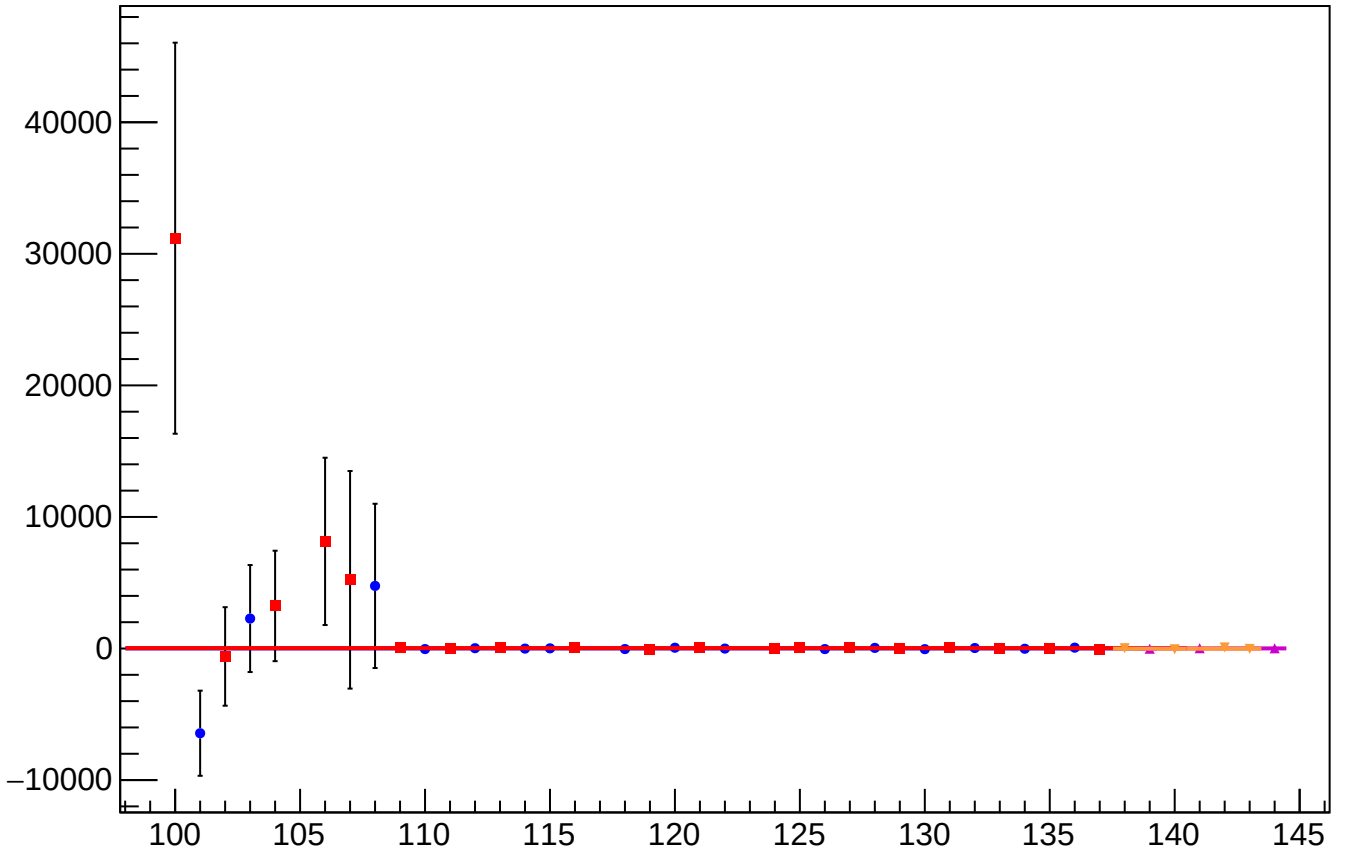
Left: 225.517+/-0.069 χ^2/NDF: 112718.6/6

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 199.556+/-0.051 χ^2/NDF:3983070.6/18

Out: 185.673+/-0.048 χ^2/NDF:4609398.6/22

All: 192.159+/-0.035 χ^2/NDF: 8631832.3/41



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.615+/-17.460 χ^2/NDF:7.6/3

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 8.790+/-17.772 χ^2/NDF:1.0/2

Left: -0.575+/-12.455 χ^2/NDF: 9.1/6

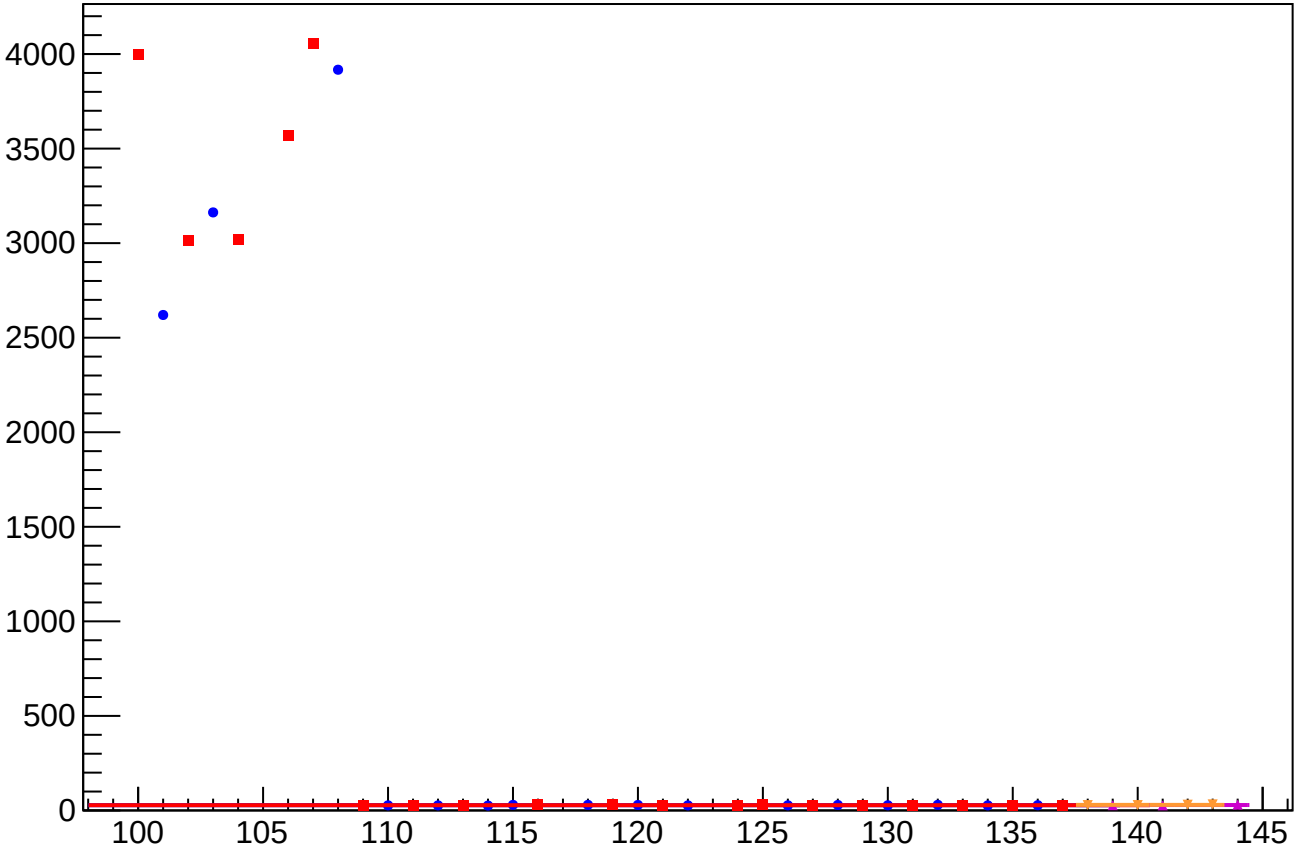
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.191+/-9.810 χ^2/NDF:19.3/18

Out: 18.090+/-9.834 χ^2/NDF:31.1/22

All: 12.627+/-6.945 χ^2/NDF: 51.0/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.431+/-0.012 χ^2/NDF:17054.8/3

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.713+/-0.013 χ^2/NDF:18121.8/2

Left: 29.078+/-0.009 χ^2/NDF: 36835.0/6

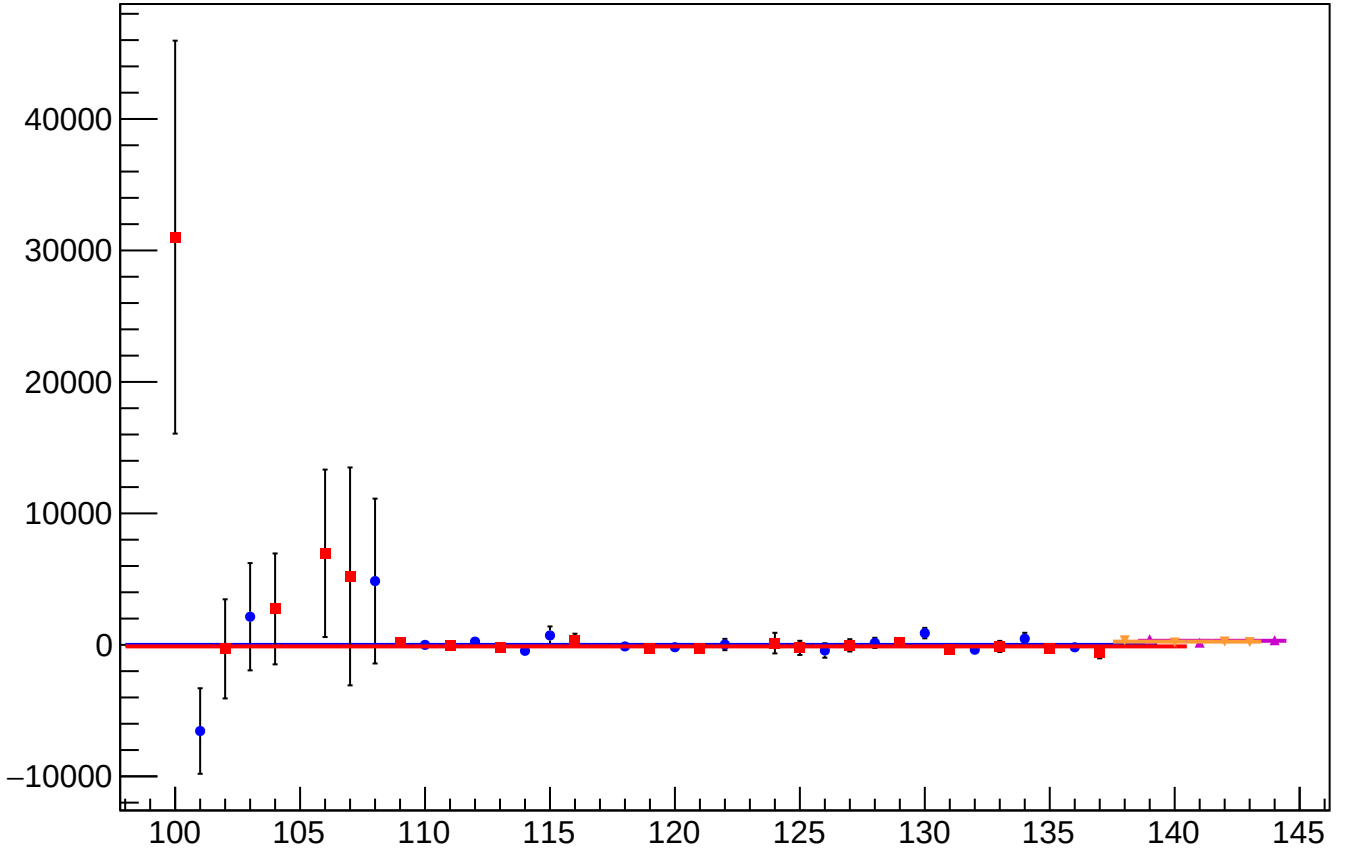
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.096+/-0.007 χ^2/NDF:3287492.1/18

Out: 28.286+/-0.007 χ^2/NDF:3588330.2/22

All: 28.190+/-0.005 χ^2/NDF: 6876196.7/41

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: 247.801+/-138.417 χ^2/NDF:0.2/3

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 310.438+/-141.289 χ^2/NDF:0.7/2

Left: 278.476+/-98.875 χ^2/NDF: 1.0/6

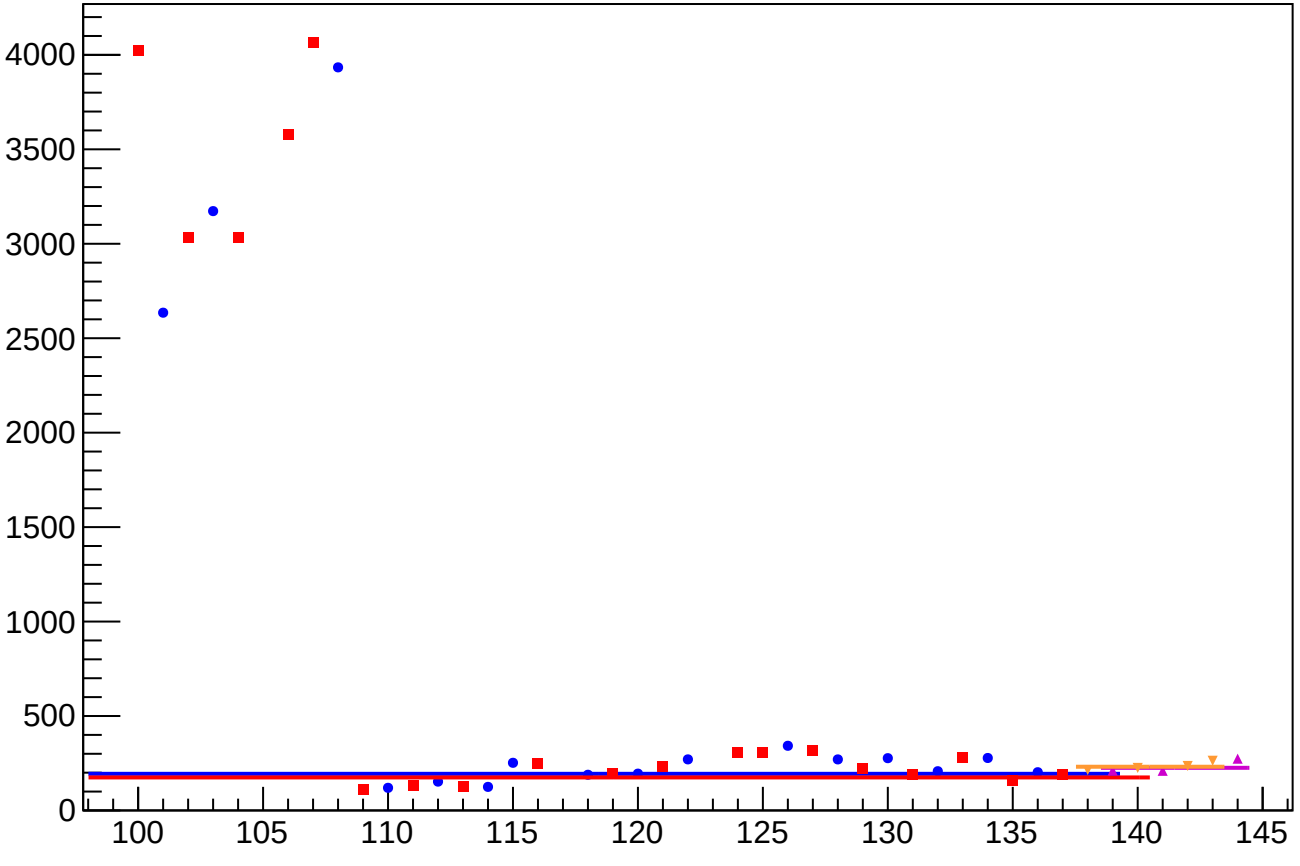
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 81.176+/-73.154 χ^2/NDF:22.5/18

Out: -26.507+/-68.580 χ^2/NDF:19.3/22

All: 23.863+/-50.032 χ^2/NDF: 42.9/41

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: 231.426+/-0.098 χ^2/NDF:34822.4/3

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 225.701+/-0.100 χ^2/NDF:73049.8/2

Left: 228.622+/-0.070 χ^2/NDF: 109547.6/6

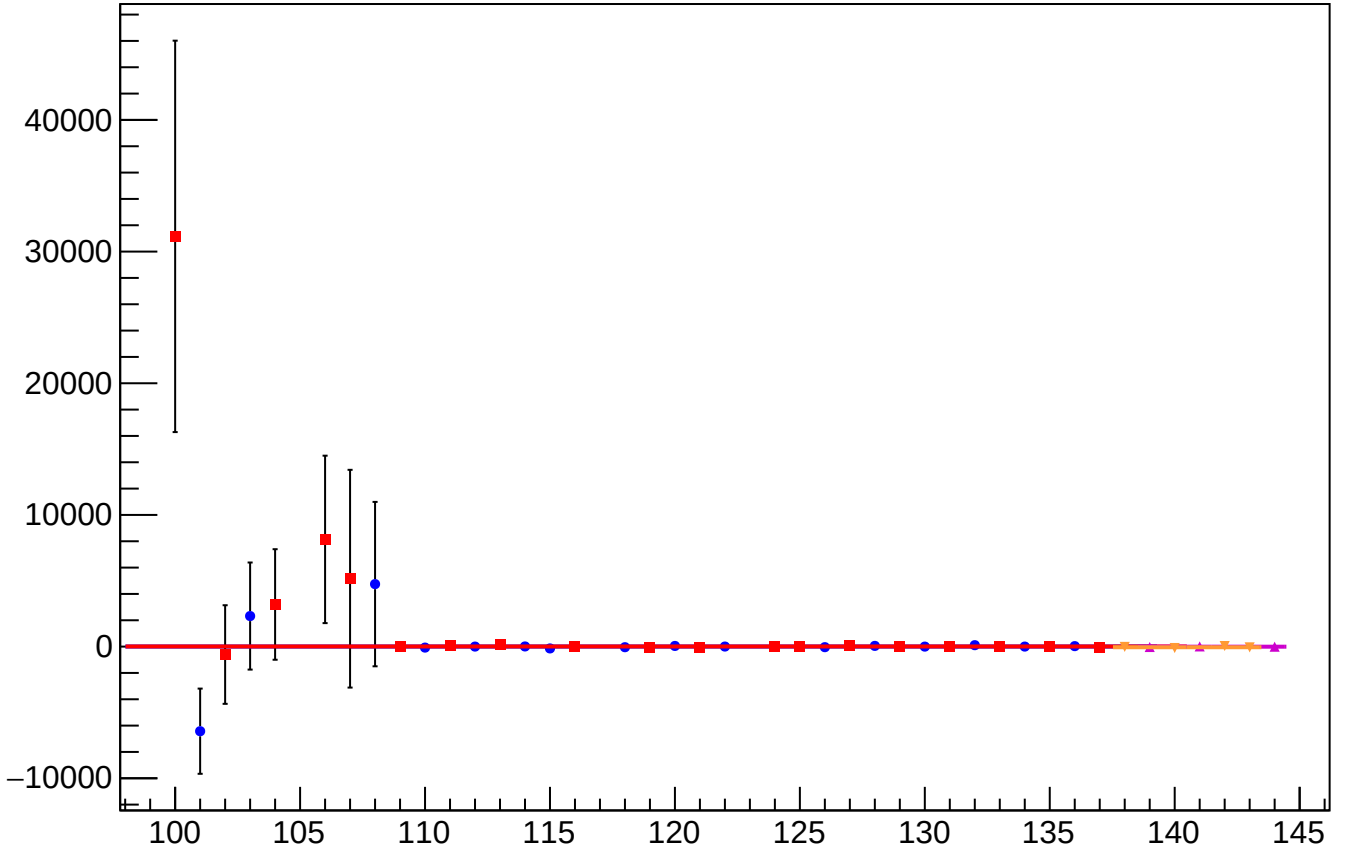
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 202.459+/-0.052 χ^2/NDF:3931460.4/18

Out: 188.685+/-0.048 χ^2/NDF:4546881.2/22

All: 195.128+/-0.035 χ^2/NDF: 8516079.1/41

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: -48.357+/-20.804 χ^2/NDF:5.8/3

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -6.778+/-21.332 χ^2/NDF:0.8/2

Left: -28.088+/-14.894 χ^2/NDF: 8.5/6

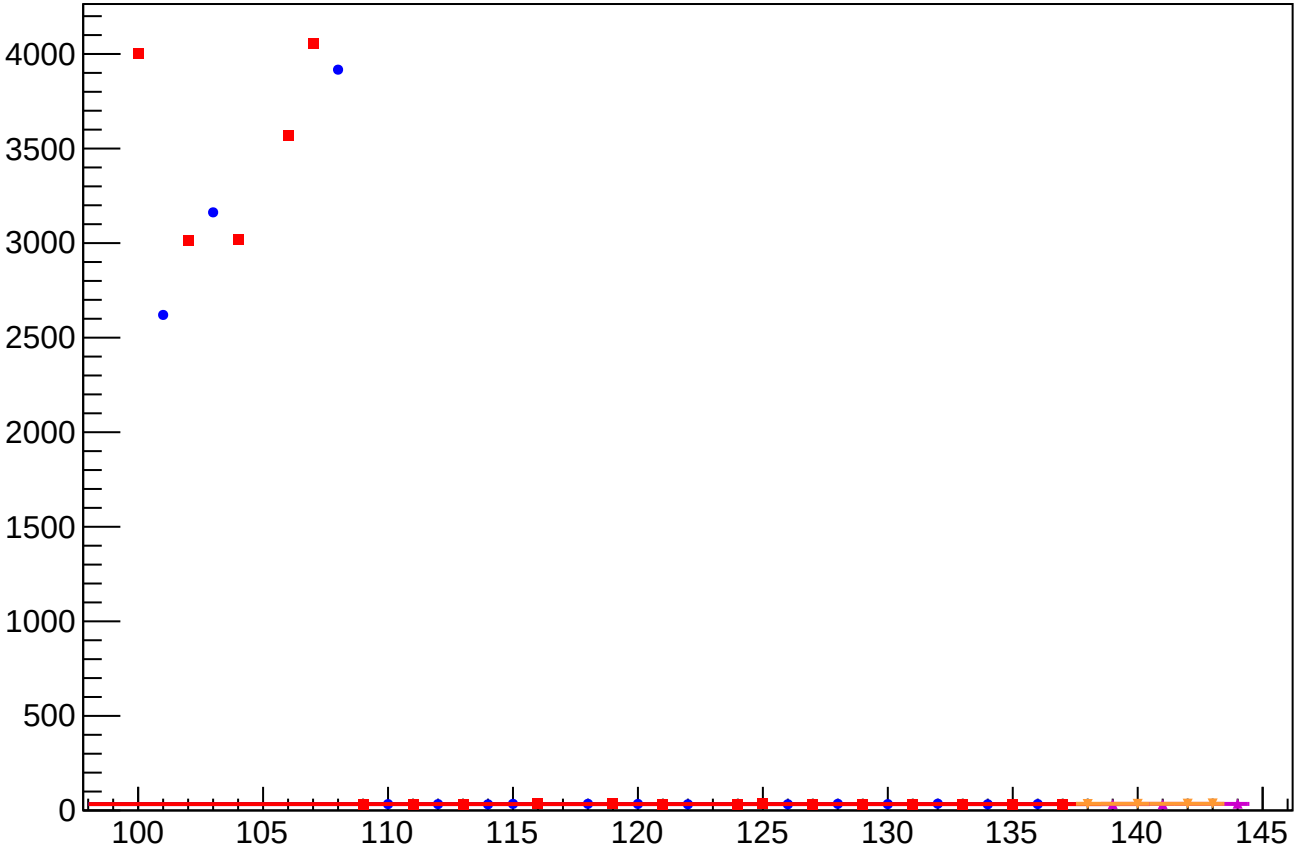
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 1.802+/-11.881 χ^2/NDF:18.5/18

Out: -8.958+/-11.858 χ^2/NDF:34.5/22

All: -3.588+/-8.393 χ^2/NDF: 53.4/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.168+/-0.015 χ^2/NDF:6182.8/3

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.540+/-0.015 χ^2/NDF:5838.7/2

Left: 34.862+/-0.011 χ^2/NDF: 12909.6/6

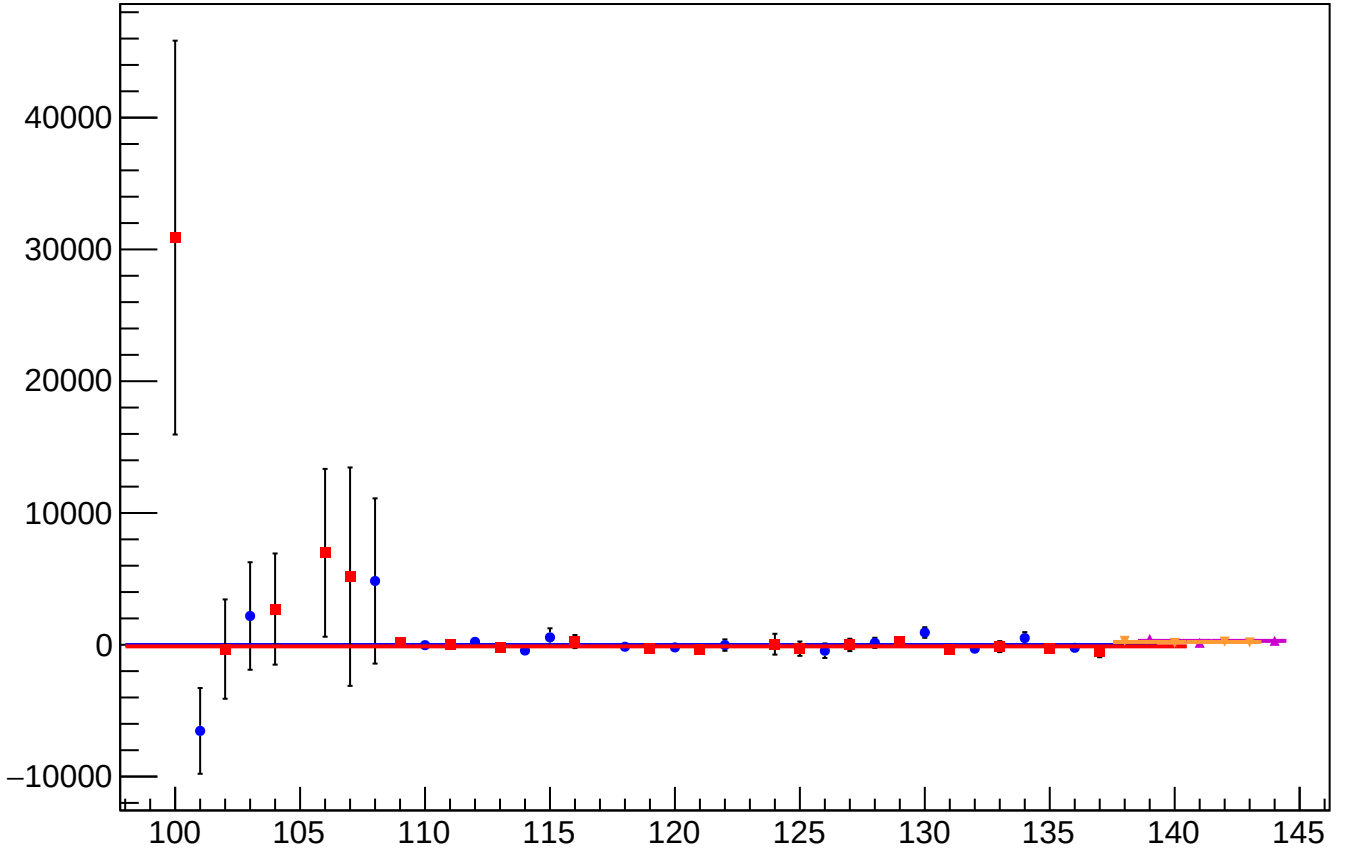
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.098+/-0.008 χ^2/NDF:3251464.4/18

Out: 34.195+/-0.008 χ^2/NDF:3539130.0/22

All: 34.146+/-0.006 χ^2/NDF: 6790660.3/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 213.262+/-137.260 χ^2/NDF:0.2/3

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 295.512+/-140.214 χ^2/NDF:0.9/2

Left: 253.512+/-98.085 χ^2/NDF: 1.3/6

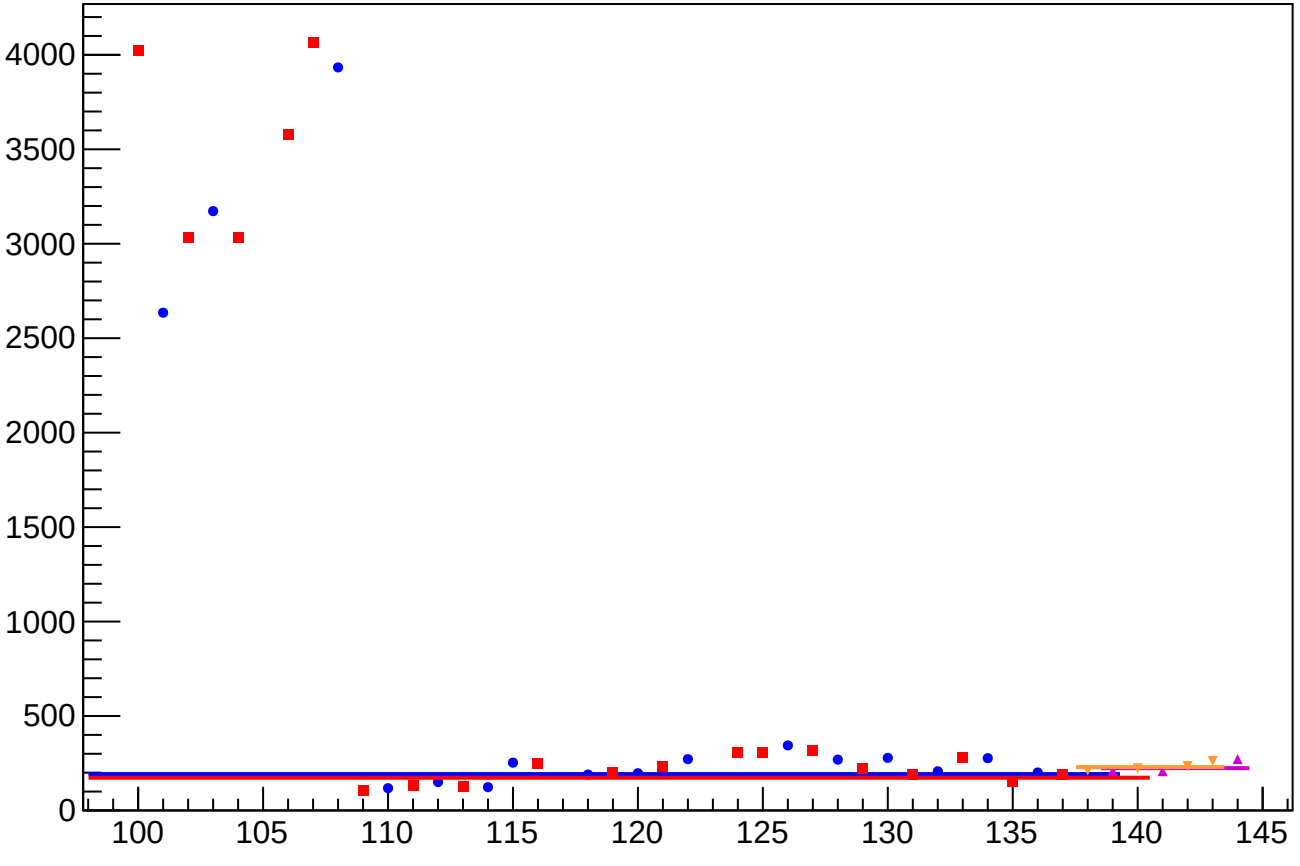
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 65.231+/-72.726 χ^2/NDF:22.7/18

Out: -37.875+/-68.114 χ^2/NDF:18.0/22

All: 10.305+/-49.714 χ^2/NDF: 41.7/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.425+/-0.097 χ^2/NDF:37321.5/3

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.955+/-0.099 χ^2/NDF:73418.4/2

Left: 226.748+/-0.069 χ^2/NDF: 112294.1/6

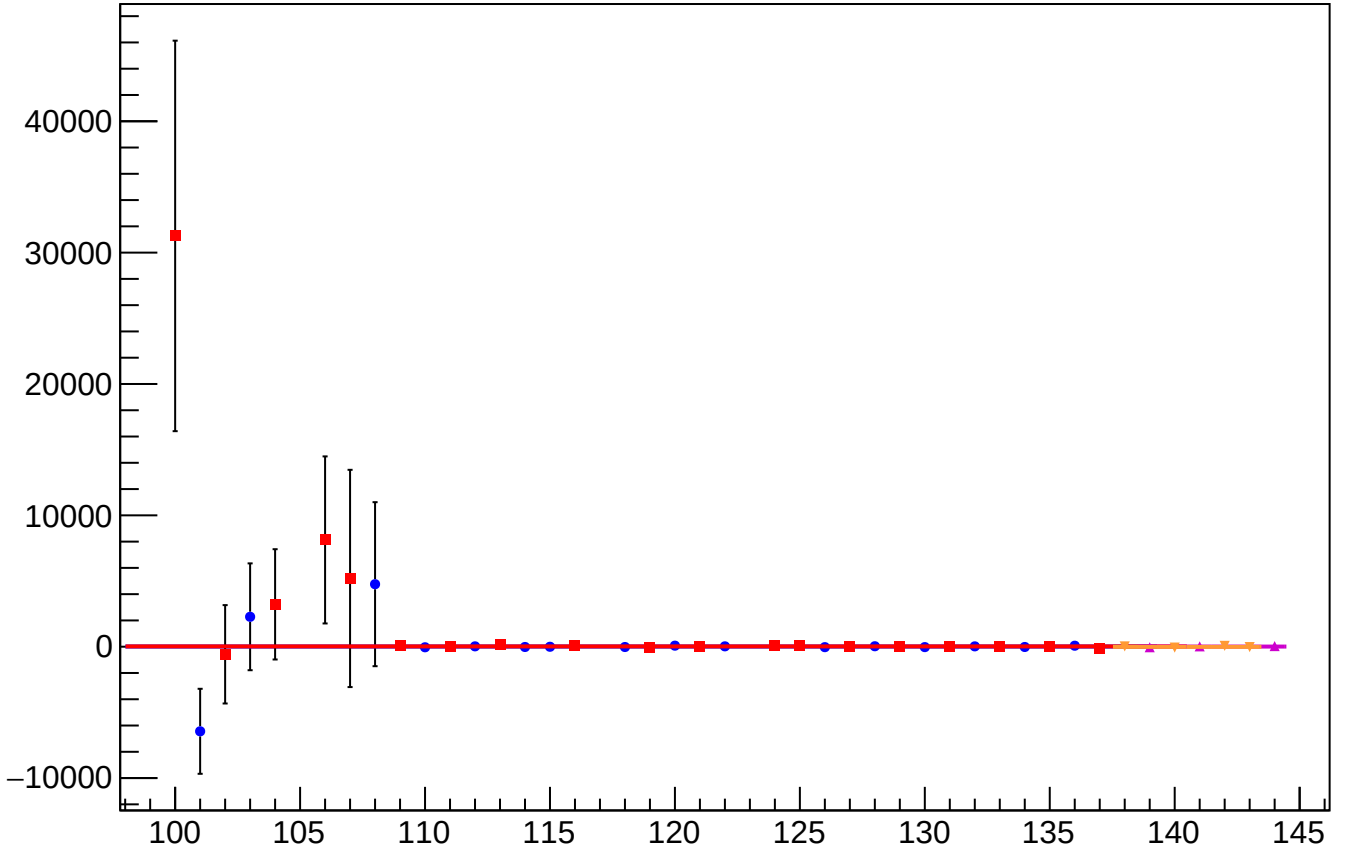
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 201.006+/-0.051 χ^2/NDF:3969502.6/18

Out: 187.082+/-0.048 χ^2/NDF:4597247.3/22

All: 193.589+/-0.035 χ^2/NDF: 8605804.0/41

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: -12.388+/-19.013 χ^2/NDF:6.1/3

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 10.439+/-19.441 χ^2/NDF:3.6/2

Left: -1.228+/-13.593 χ^2/NDF: 10.4/6

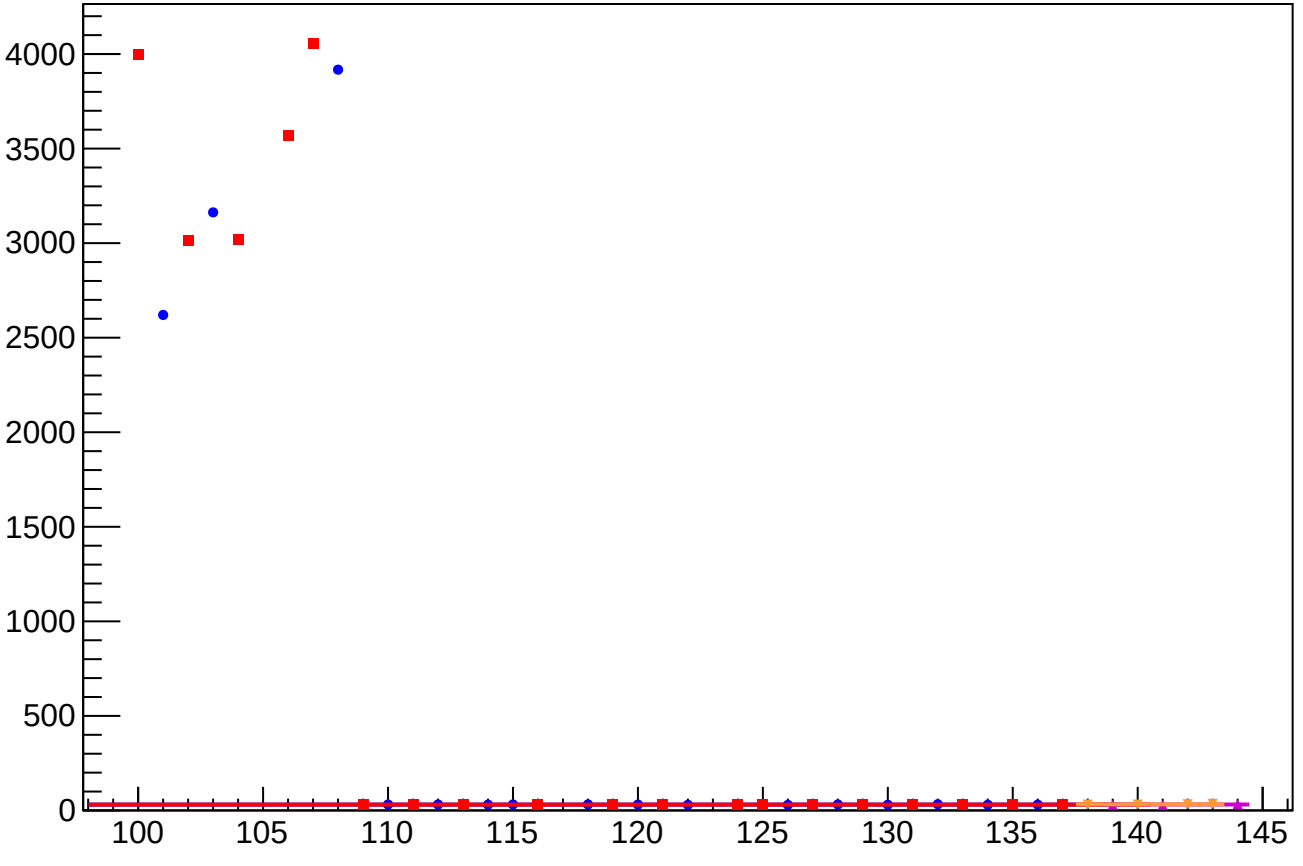
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 12.695+/-10.842 χ^2/NDF:19.1/18

Out: 11.669+/-10.832 χ^2/NDF:37.2/22

All: 12.181+/-7.663 χ^2/NDF: 56.3/41

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: 32.085+/-0.013 χ^2/NDF:14979.3/3

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.442+/-0.014 χ^2/NDF:14658.5/2

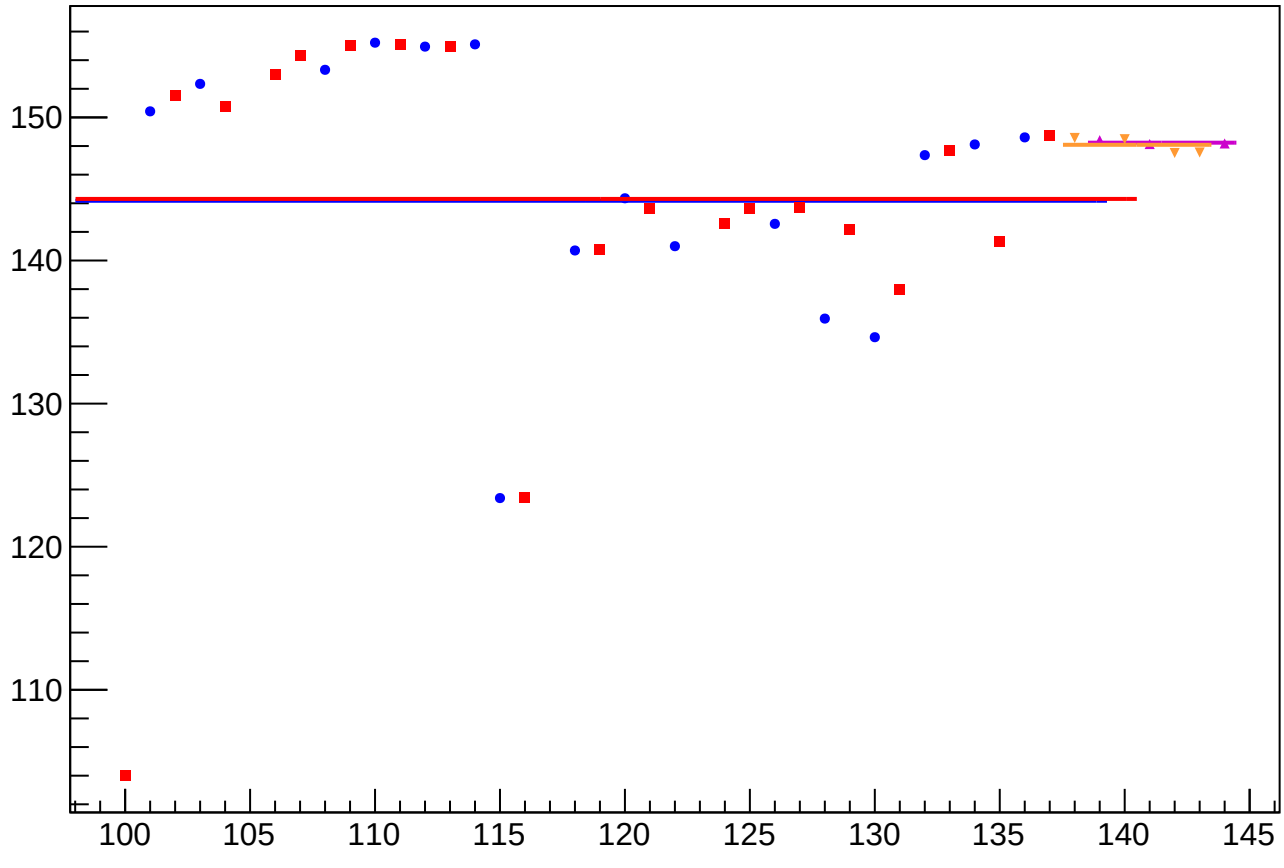
Left: 31.771+/-0.010 χ^2/NDF: 30755.3/6

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

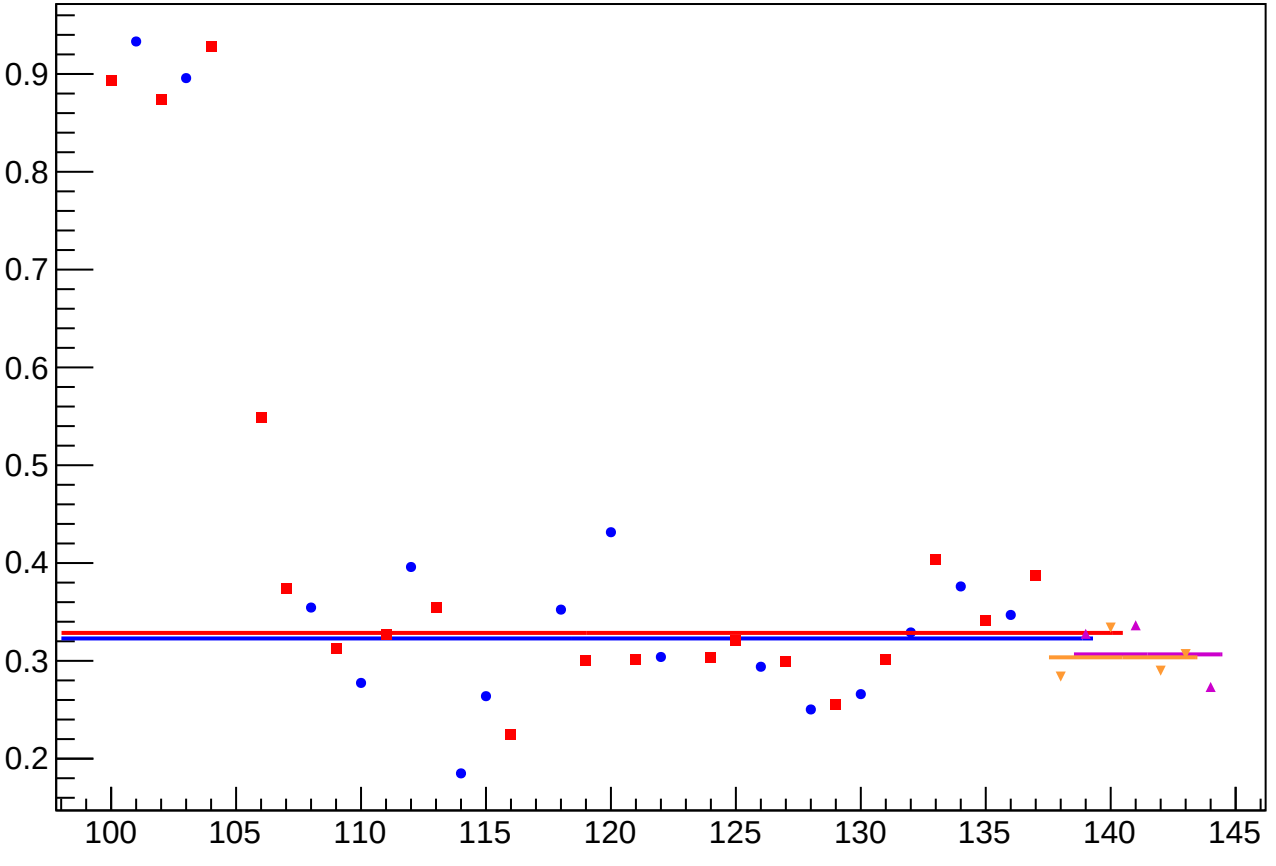
In: 31.088+/-0.008 χ^2/NDF:3268229.4/18

Out: 31.202+/-0.008 χ^2/NDF:3557608.5/22

All: 31.145+/-0.005 χ^2/NDF: 6825947.3/41


yield_bcm_target_mean vs Slug, Sign Corrected
150
140
130
120
110
100
105
110
115
120
125
130
135
140
145
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 148.087+/-0.000 χ²/NDF:7289381.5/3
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 148.234+/-0.000 χ²/NDF:336770.6/2
Left: 148.156+/-0.000 χ²/NDF: 7935053.5/6
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 145.470+/-0.000 χ²/NDF:4024804067.2/18
Out: 145.617+/-0.000 χ²/NDF:4552051619.4/22
All: 145.545+/-0.000 χ²/NDF: 8577770085.9

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.307+/-0.000 χ^2/NDF:45827.5/2

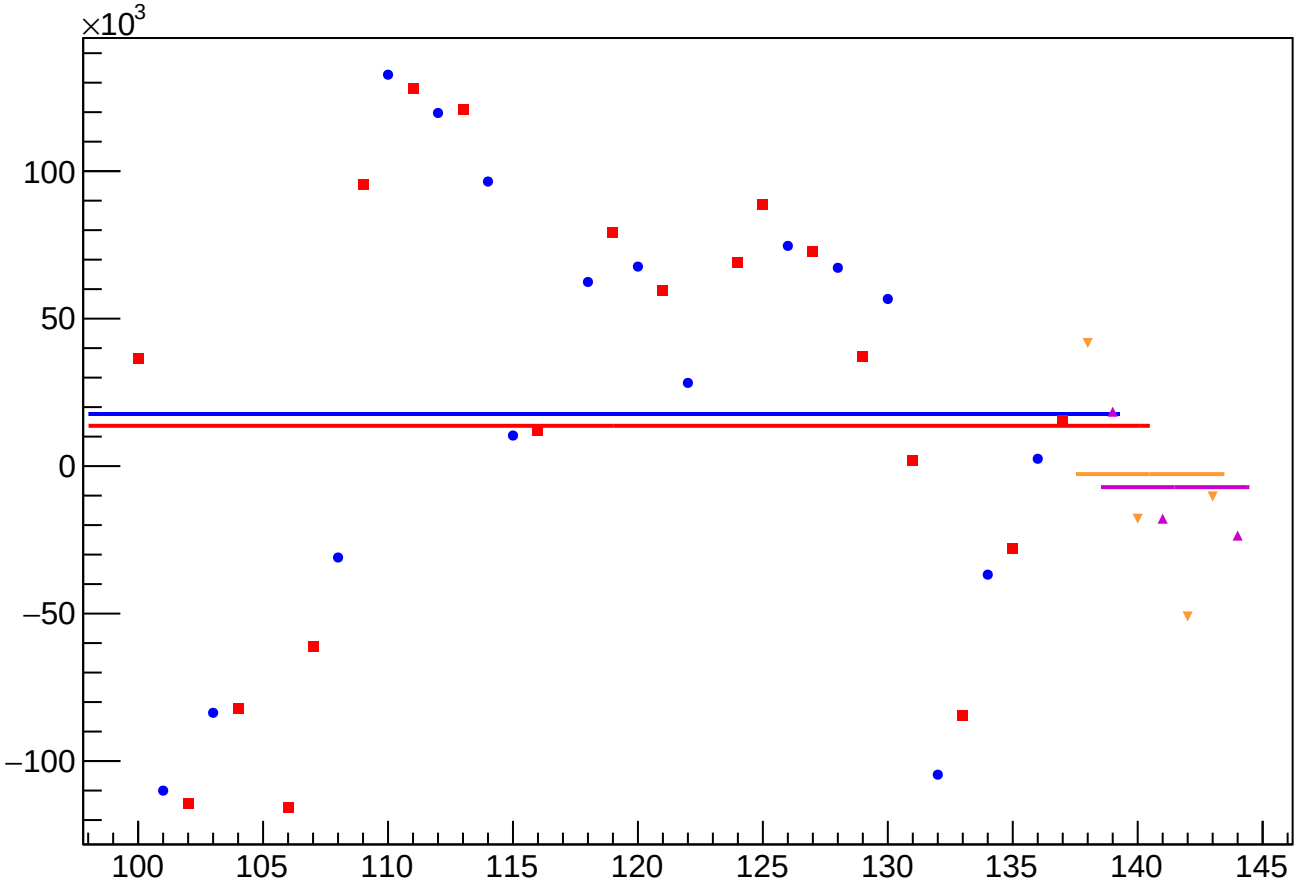
Left: 0.305+/-0.000 χ^2/NDF: 69070.1/6

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.318+/-0.000 χ^2/NDF:1451496.9/18

Out: 0.320+/-0.000 χ^2/NDF:1351575.0/22

All: 0.319+/-0.000 χ^2/NDF: 2803485.2/41



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -2711.618+/-3.004 χ^2/NDF:120194604.2/3

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -7130.204+/-3.129 χ^2/NDF:36038156.5/2

Left: -4831.052+/-2.167 χ^2/NDF: 157270649.0/6

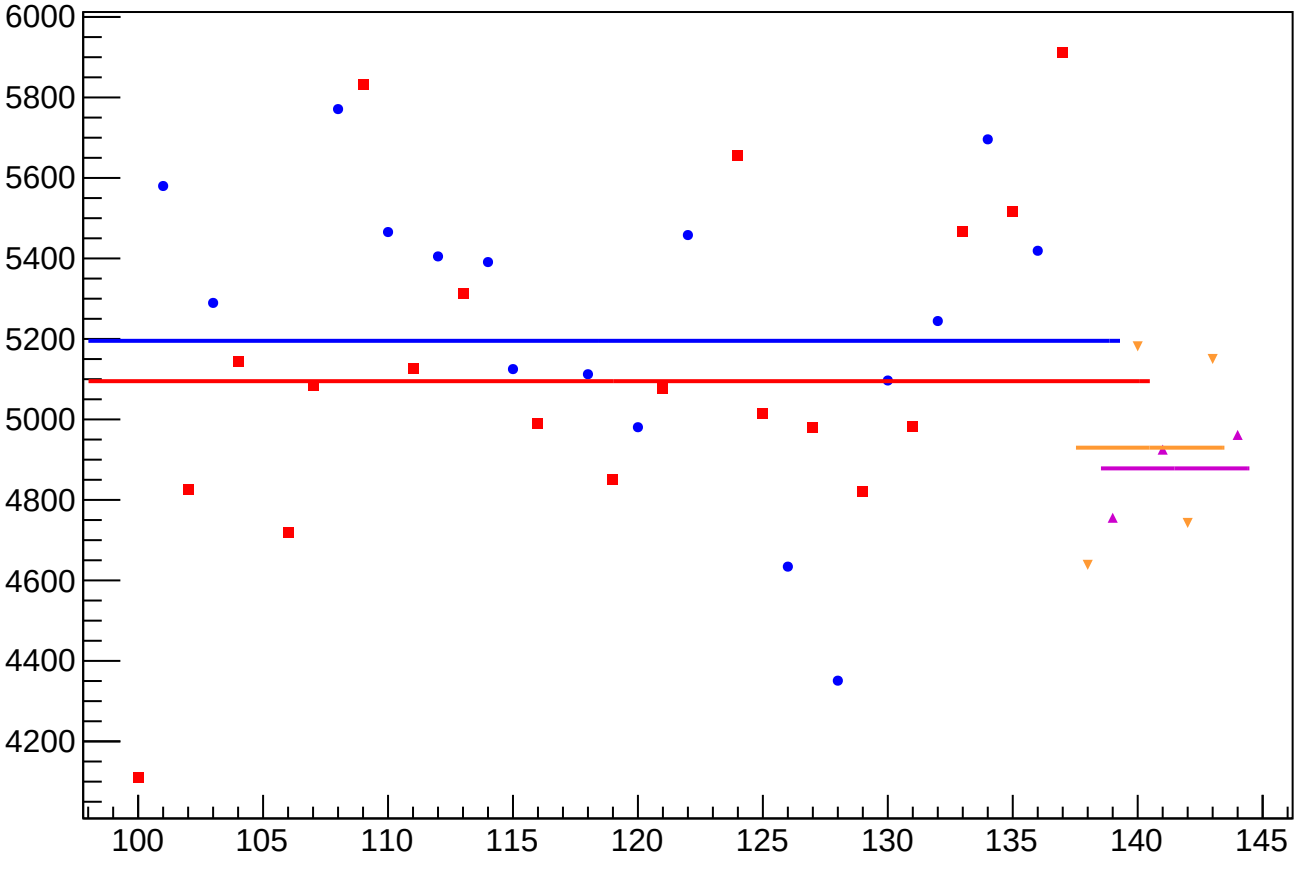
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 10442.741+/-1.688 χ^2/NDF:1479290232.2/18

Out: 8898.588+/-1.621 χ^2/NDF:1998231438.6/22

All: 9639.083+/-1.169 χ^2/NDF: 3477956989.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4929.813+/-2.124 χ^2/NDF:13659.4/3

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4878.327+/-2.212 χ^2/NDF:1675.0/2

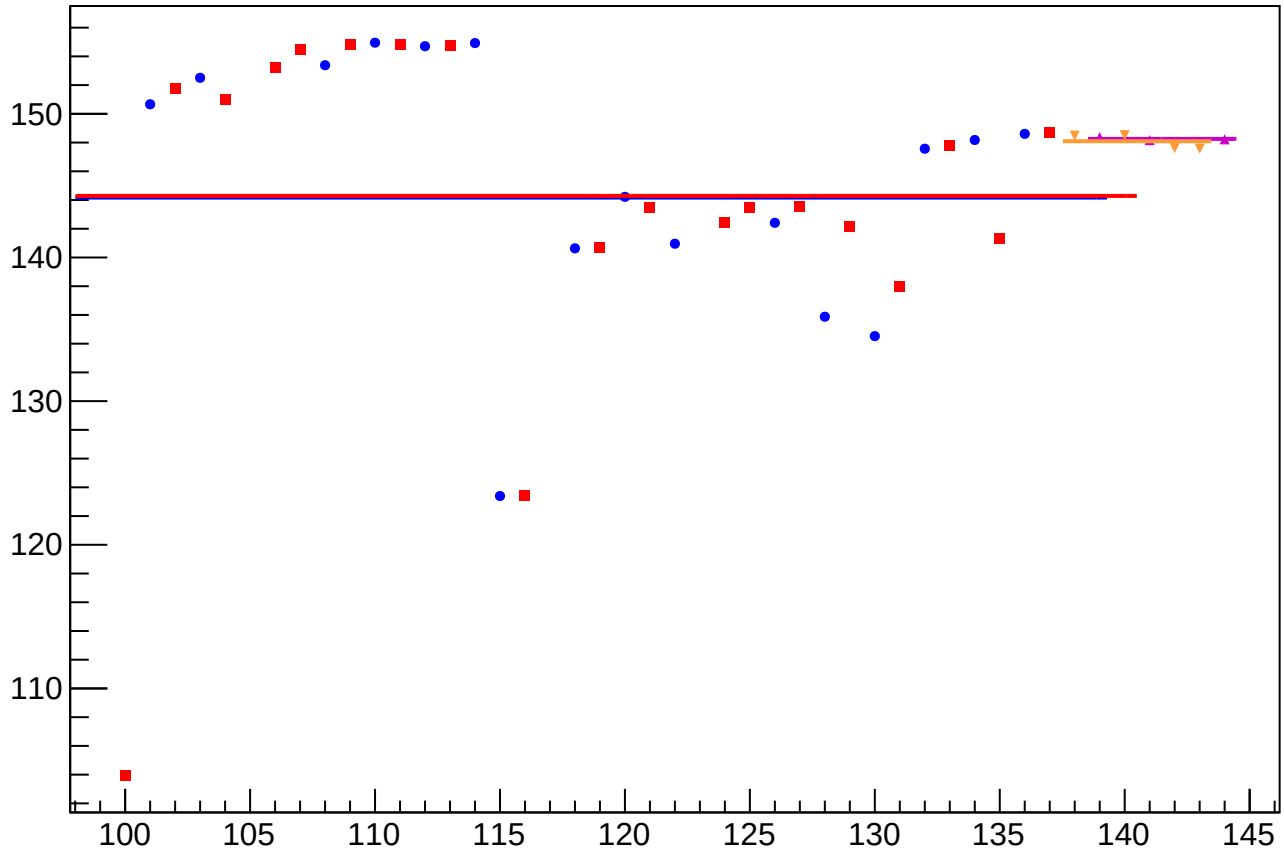
Left: 4905.117+/-1.532 χ^2/NDF: 15616.2/6

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5102.983+/-1.194 χ^2/NDF:93391.2/18

Out: 5046.947+/-1.146 χ^2/NDF:77061.4/22

All: 5073.819+/-0.827 χ^2/NDF: 171599.1/41



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.094+/-0.000 χ^2/NDF:6095990.2/3

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.253+/-0.000 χ^2/NDF:182051.9/2

Left: 148.169+/-0.000 χ^2/NDF: 6639723.4/6

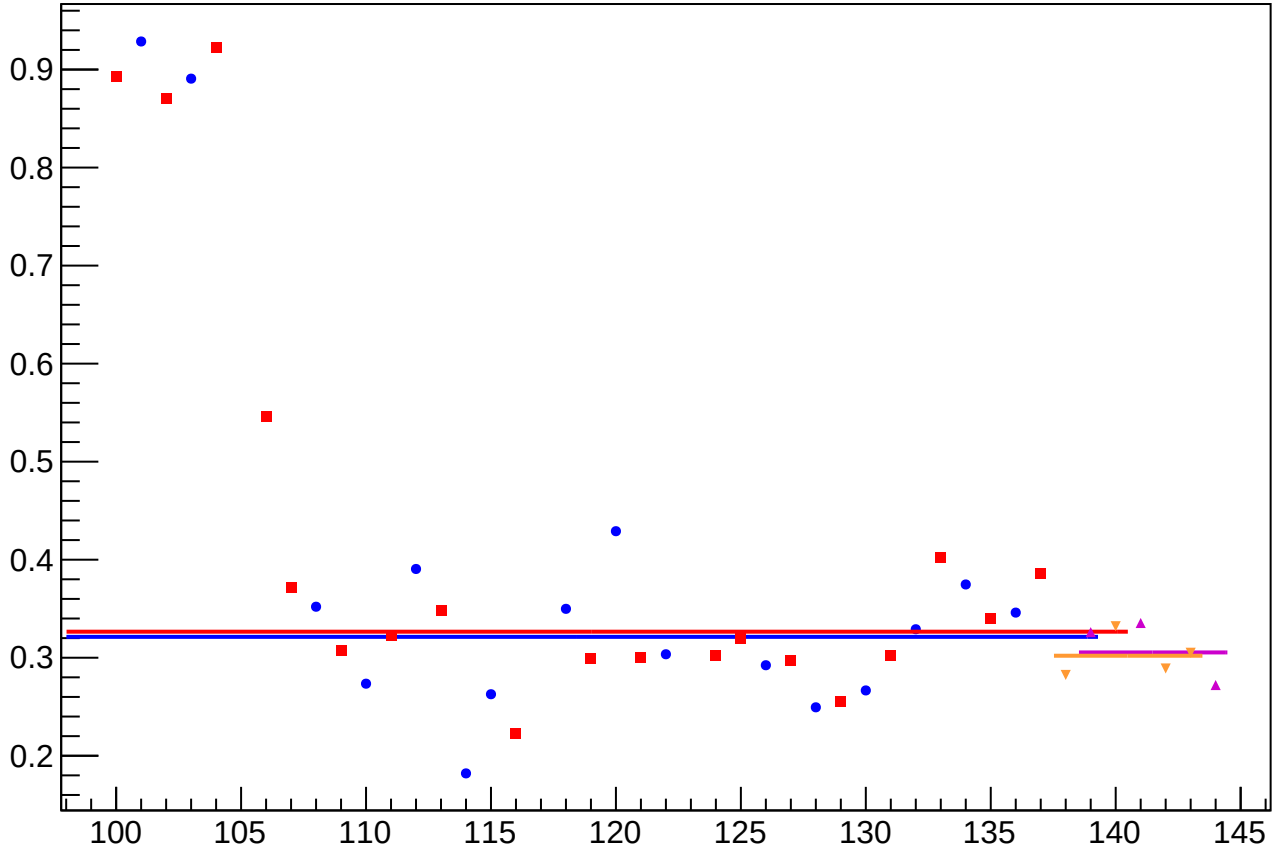
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.471+/-0.000 χ^2/NDF:4070701061.5/18

Out: 145.606+/-0.000 χ^2/NDF:4583498989.3/22

All: 145.540+/-0.000 χ^2/NDF: 8654988200.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.302+/-0.000 χ^2/NDF:22681.6/3

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.305+/-0.000 χ^2/NDF:46130.7/2

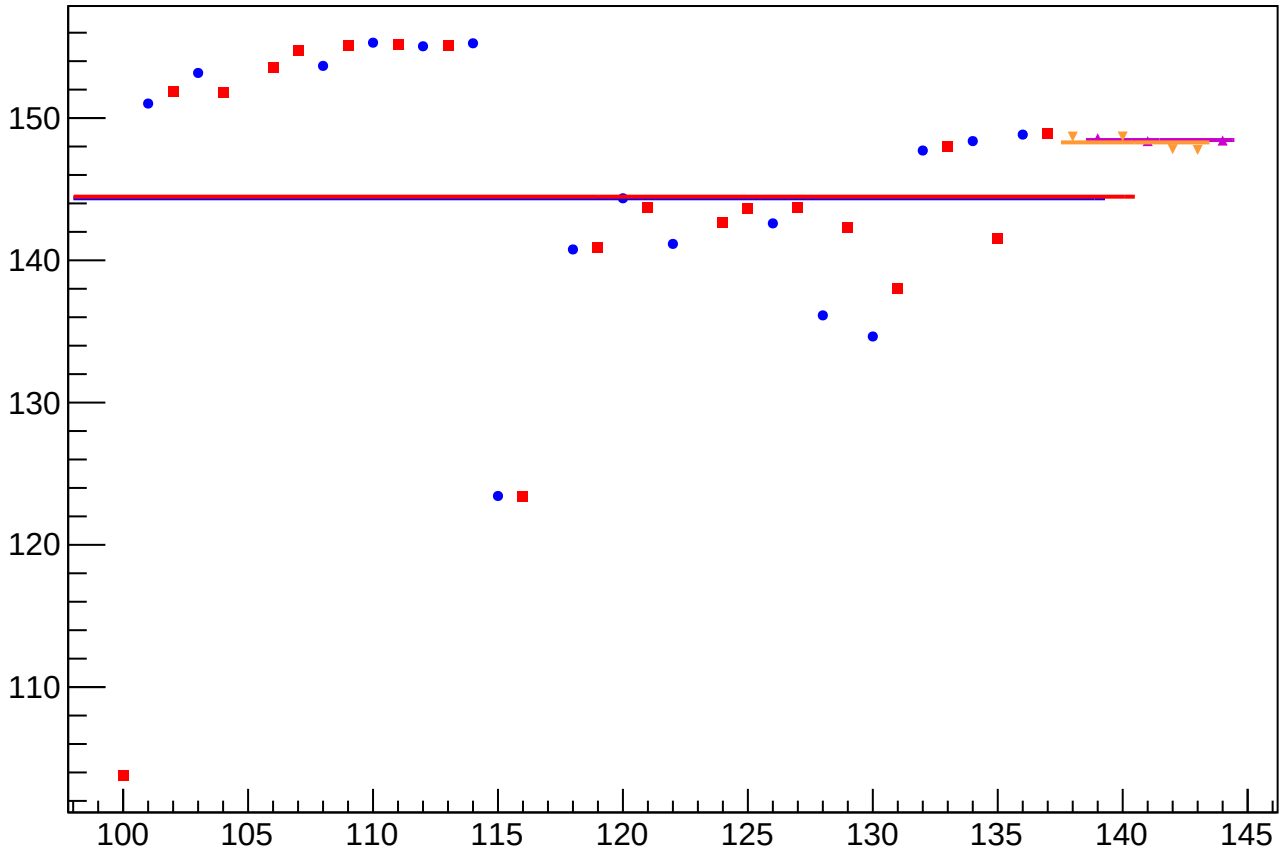
Left: 0.304+/-0.000 χ^2/NDF: 69135.7/6

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.316+/-0.000 χ^2/NDF:1451649.6/18

Out: 0.318+/-0.000 χ^2/NDF:1349246.7/22

All: 0.317+/-0.000 χ^2/NDF: 2801182.3/41



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.289+/-0.000 χ^2/NDF:6219271.0/3

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.456+/-0.000 χ^2/NDF:173802.0/2

Left: 148.368+/-0.000 χ^2/NDF: 6782868.9/6

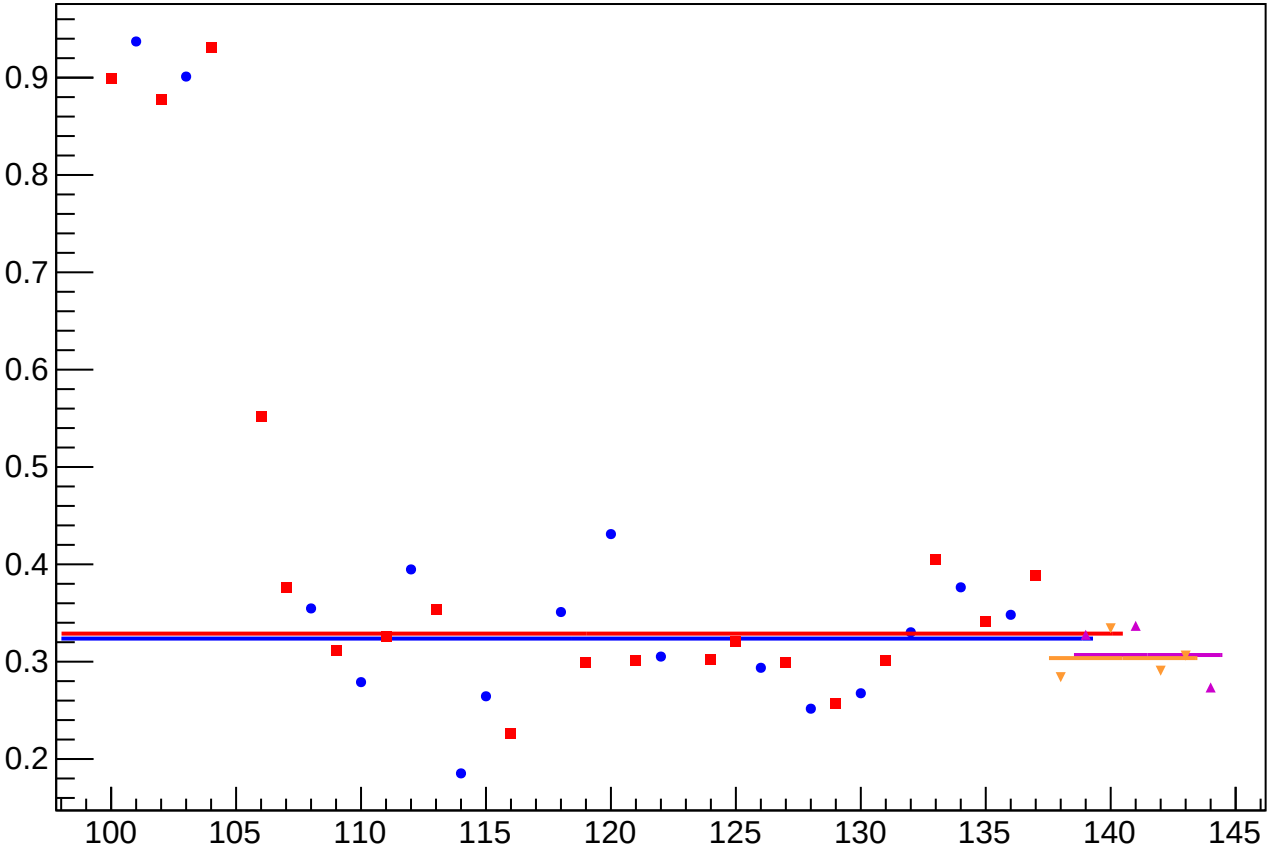
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.669+/-0.000 χ^2/NDF:4063062315.5/18

Out: 145.800+/-0.000 χ^2/NDF:4573092957.8/22

All: 145.735+/-0.000 χ^2/NDF: 8636882221.9

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.304+/-0.000 χ^2/NDF:22821.6/3

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.307+/-0.000 χ^2/NDF:45790.8/2

Left: 0.305+/-0.000 χ^2/NDF: 68895.6/6

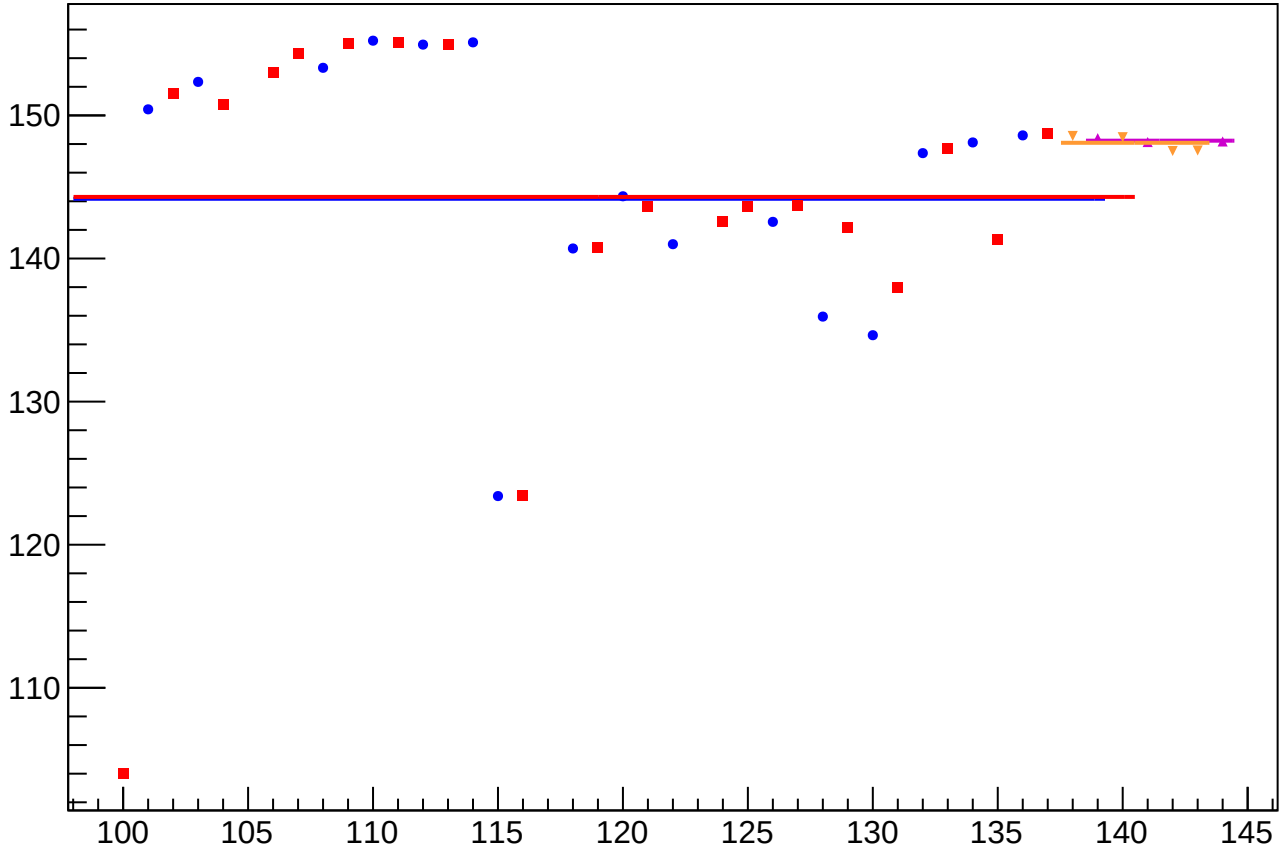
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.318+/-0.000 χ^2/NDF:1448504.6/18

Out: 0.320+/-0.000 χ^2/NDF:1350809.0/22

All: 0.319+/-0.000 χ^2/NDF: 2799576.9/41

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.087+/-0.000 χ^2/NDF:7289381.5/3

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.234+/-0.000 χ^2/NDF:336770.6/2

Left: 148.156+/-0.000 χ^2/NDF: 7935053.5/6

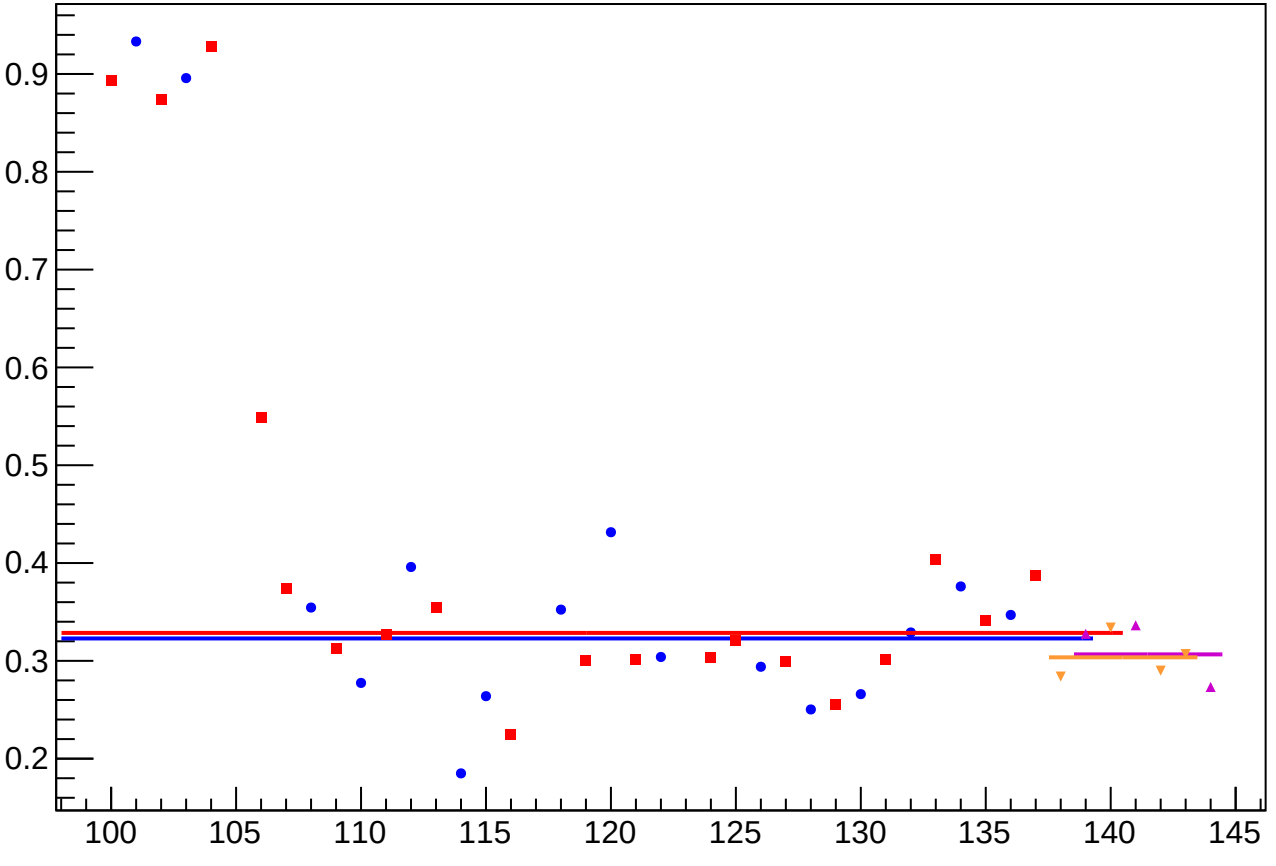
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.470+/-0.000 χ^2/NDF:4024804067.2/18

Out: 145.617+/-0.000 χ^2/NDF:4552051619.4/22

All: 145.545+/-0.000 χ^2/NDF: 8577770085.9

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.307+/-0.000 χ^2/NDF:45827.5/2

Left: 0.305+/-0.000 χ^2/NDF: 69070.1/6

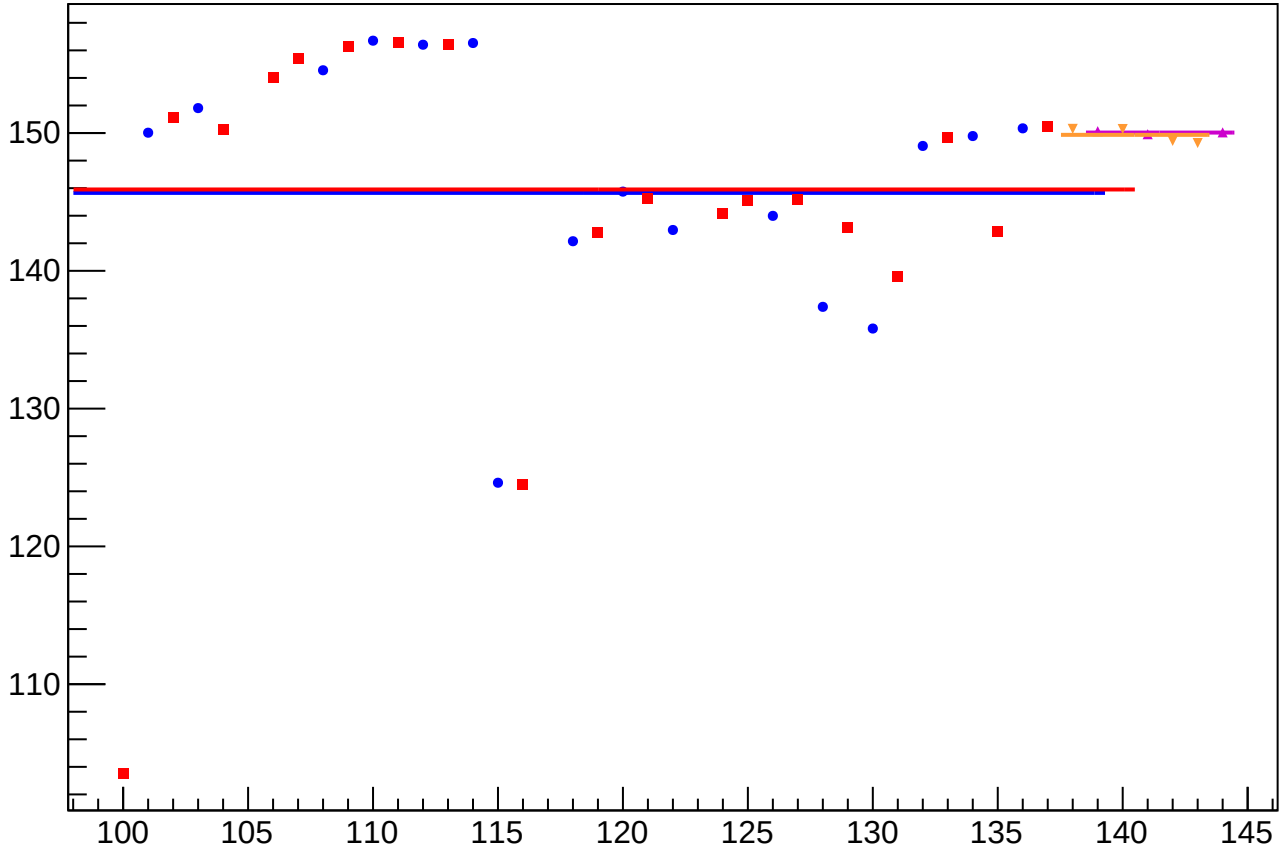
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.318+/-0.000 χ^2/NDF:1451496.9/18

Out: 0.320+/-0.000 χ^2/NDF:1351575.0/22

All: 0.319+/-0.000 χ^2/NDF: 2803485.2/41

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.870+/-0.000 χ^2/NDF:5947311.1/3

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 150.035+/-0.000 χ^2/NDF:163125.3/2

Left: 149.947+/-0.000 χ^2/NDF: 6439247.5/6

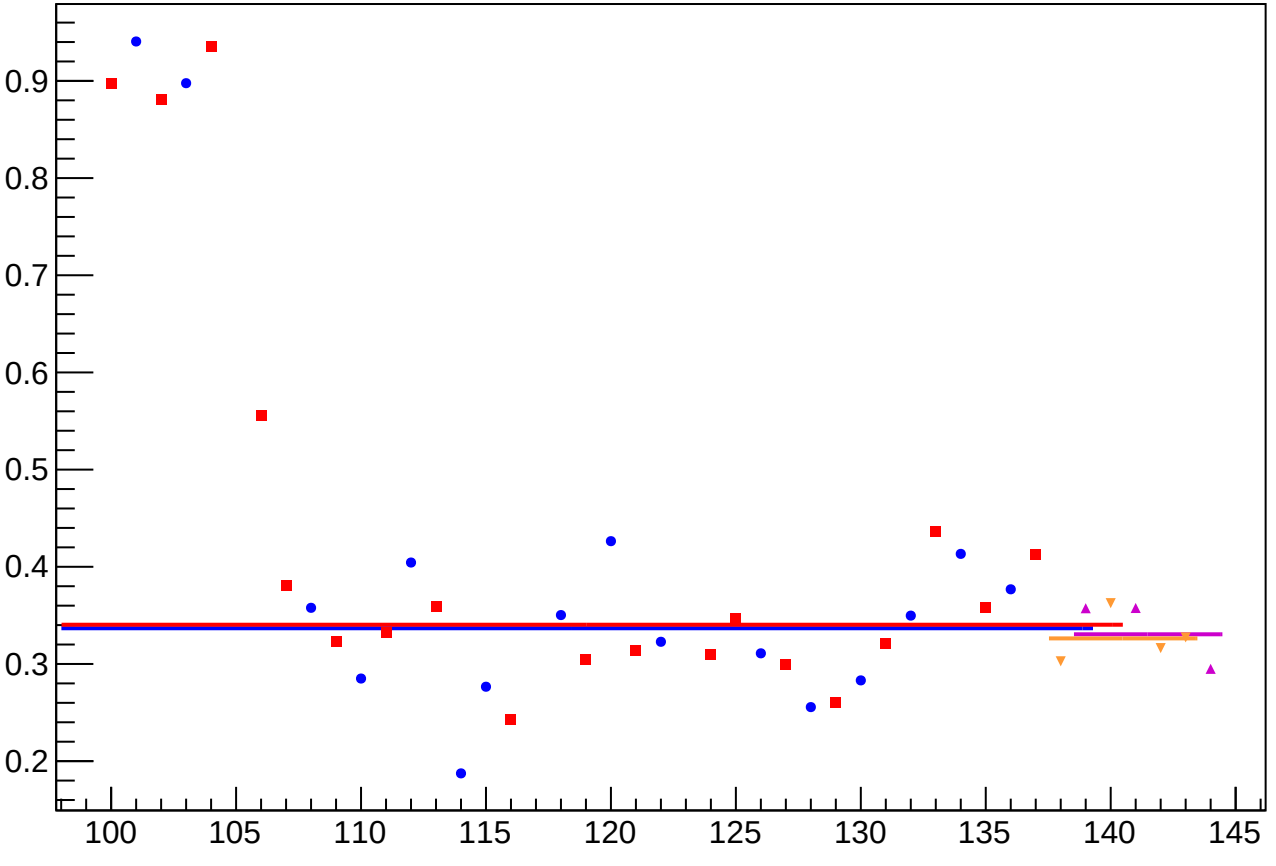
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.985+/-0.000 χ^2/NDF:3786684559.3/18

Out: 147.203+/-0.000 χ^2/NDF:4139726370.8/22

All: 147.096+/-0.000 χ^2/NDF: 7928231339.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.326+/-0.000 χ^2/NDF:26111.4/3

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.331+/-0.000 χ^2/NDF:43776.5/2

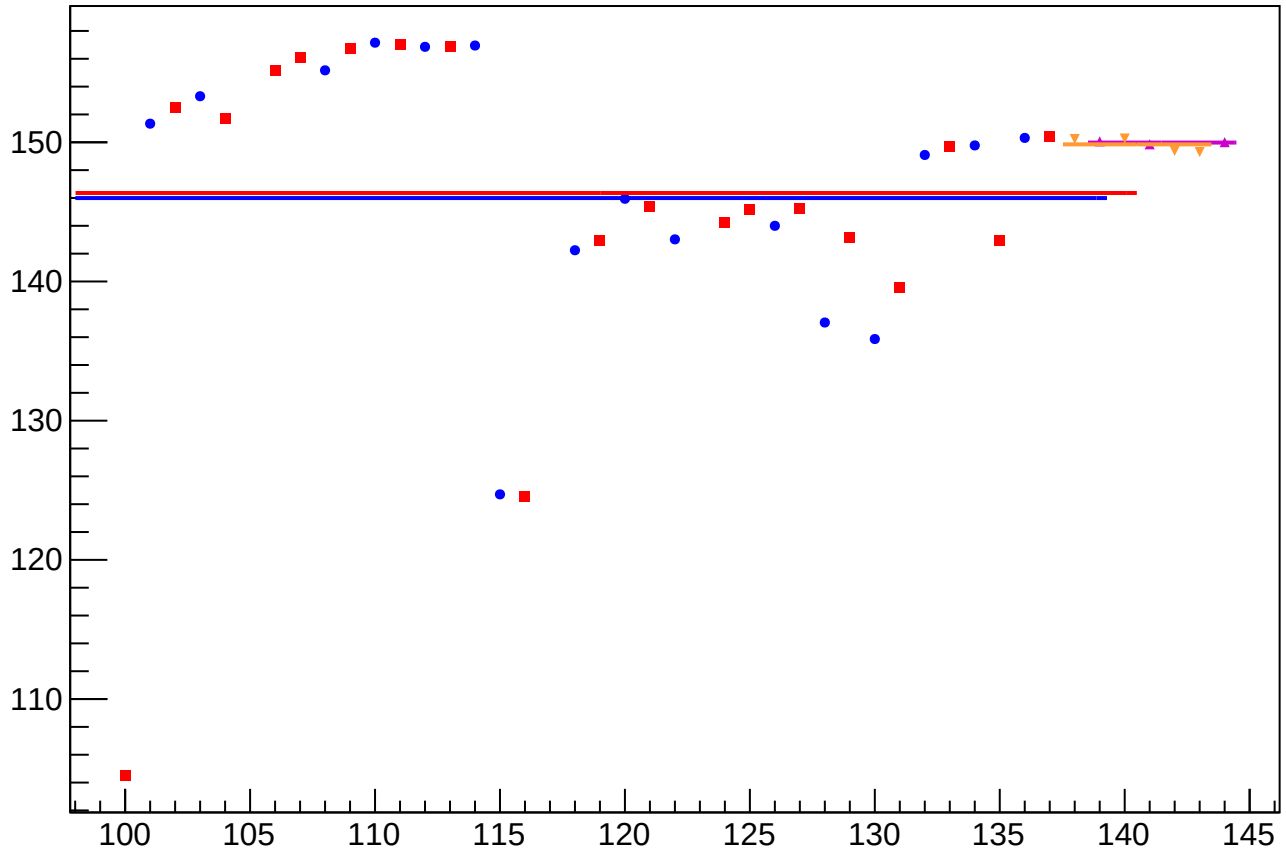
Left: 0.328+/-0.000 χ^2/NDF: 70318.5/6

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.335+/-0.000 χ^2/NDF:1415515.6/18

Out: 0.336+/-0.000 χ^2/NDF:1307646.6/22

All: 0.335+/-0.000 χ^2/NDF: 2723226.4/41



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.851+/-0.000 χ^2/NDF:5287996.2/3

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.980+/-0.000 χ^2/NDF:156107.1/2

Left: 149.912+/-0.000 χ^2/NDF: 5642734.0/6

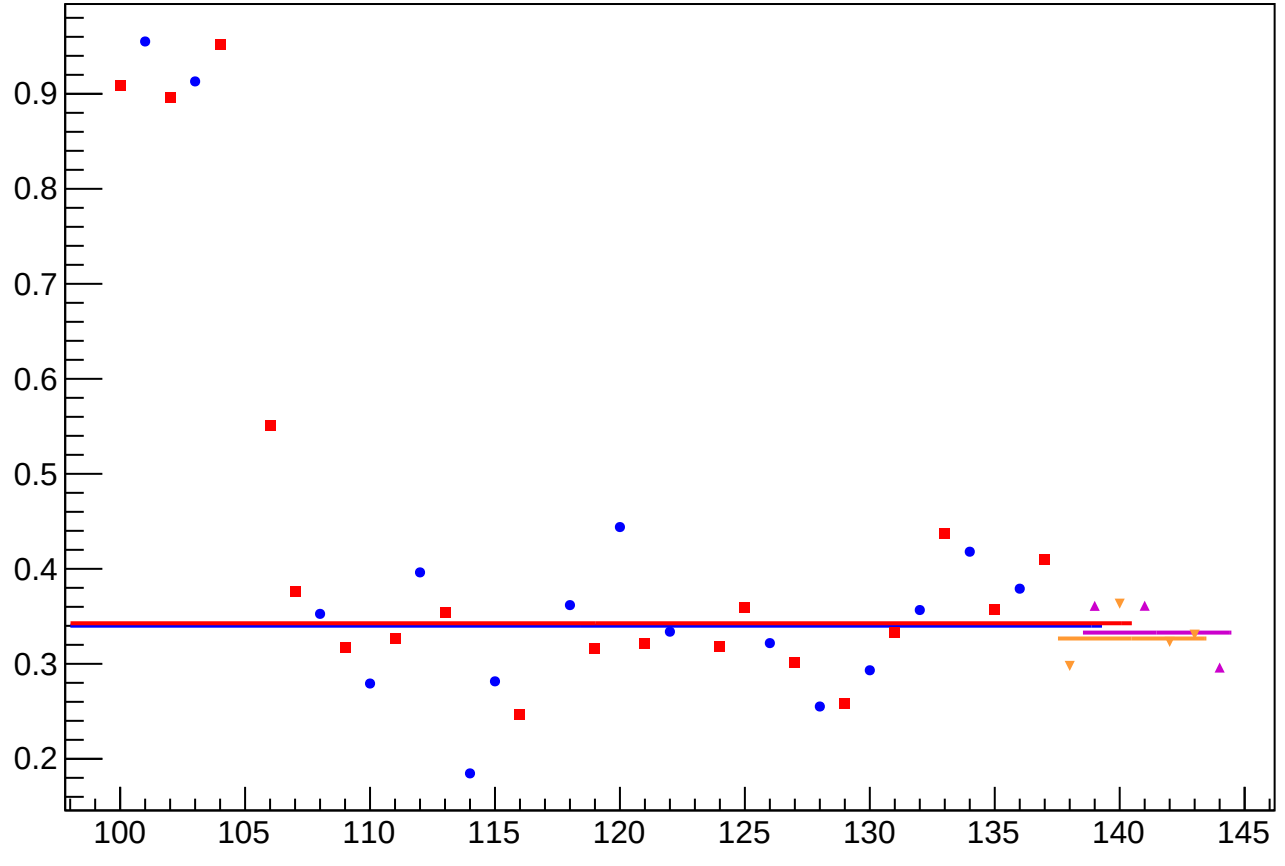
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.206+/-0.000 χ^2/NDF:3869755201.6/18

Out: 147.508+/-0.000 χ^2/NDF:4176225163.8/22

All: 147.361+/-0.000 χ^2/NDF: 8049416393.4

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.327+/-0.000 χ^2/NDF:30552.6/3

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.333+/-0.000 χ^2/NDF:46566.1/2

Left: 0.330+/-0.000 χ^2/NDF: 78038.7/6

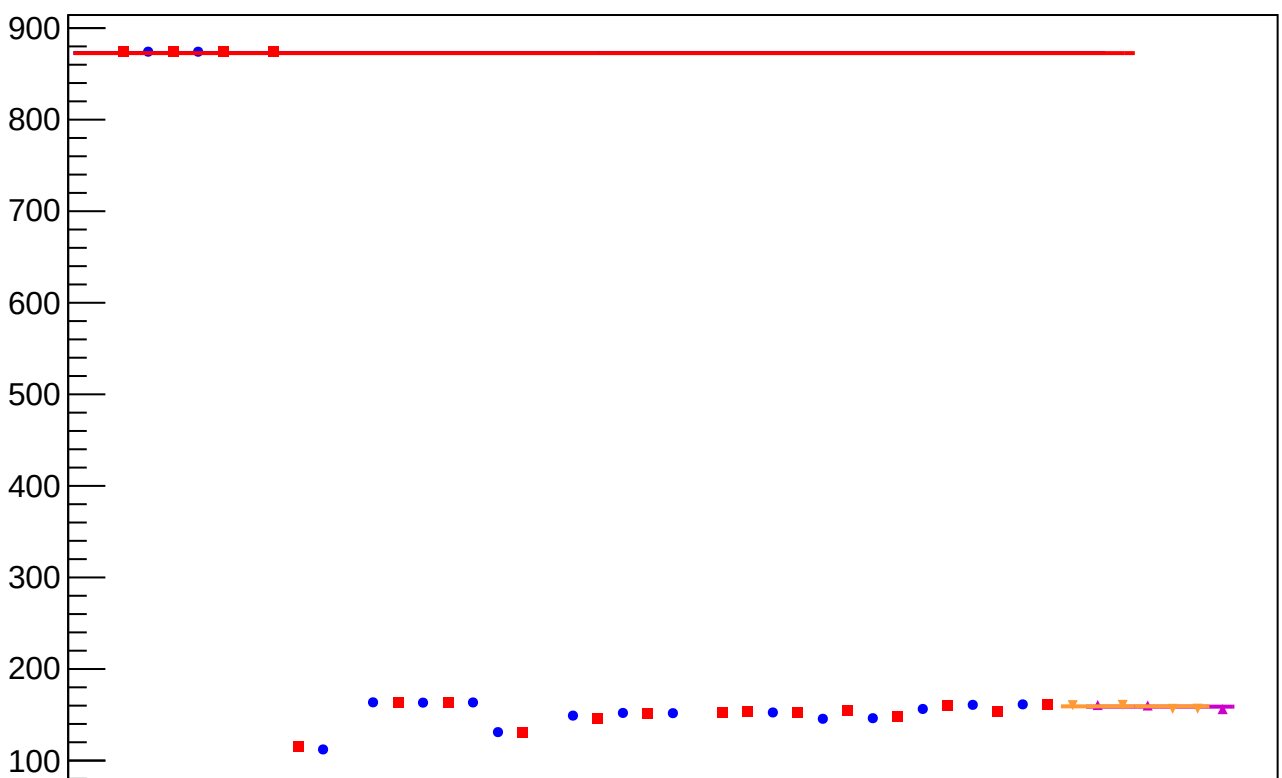
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.338+/-0.000 χ^2/NDF:1441437.2/18

Out: 0.337+/-0.000 χ^2/NDF:1310053.0/22

All: 0.338+/-0.000 χ^2/NDF: 2751509.9/41

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 159.220+/-0.000 χ^2/NDF:19257126.3/3

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 158.890+/-0.000 χ^2/NDF:20762829.5/2

Left: 159.059+/-0.000 χ^2/NDF: 40294653.5/6

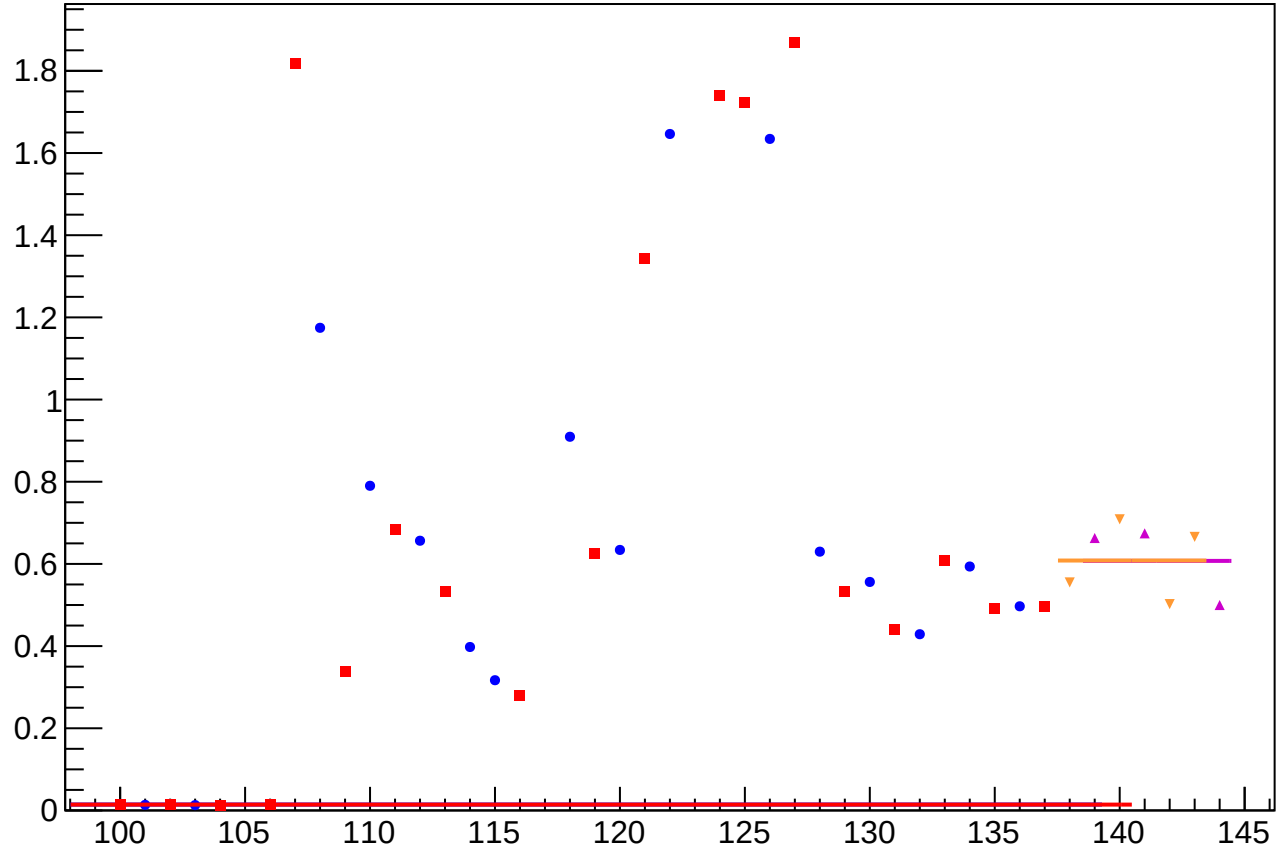
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.329+/-0.000 χ^2/NDF:9700593770641.6/18

Out: 872.228+/-0.000 χ^2/NDF:11790938804318.6

All: 872.275+/-0.000 χ^2/NDF: 214915713671

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.608+/-0.000 χ^2/NDF:64008.9/3

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.607+/-0.000 χ^2/NDF:64966.5/2

Left: 0.608+/-0.000 χ^2/NDF: 128979.3/6

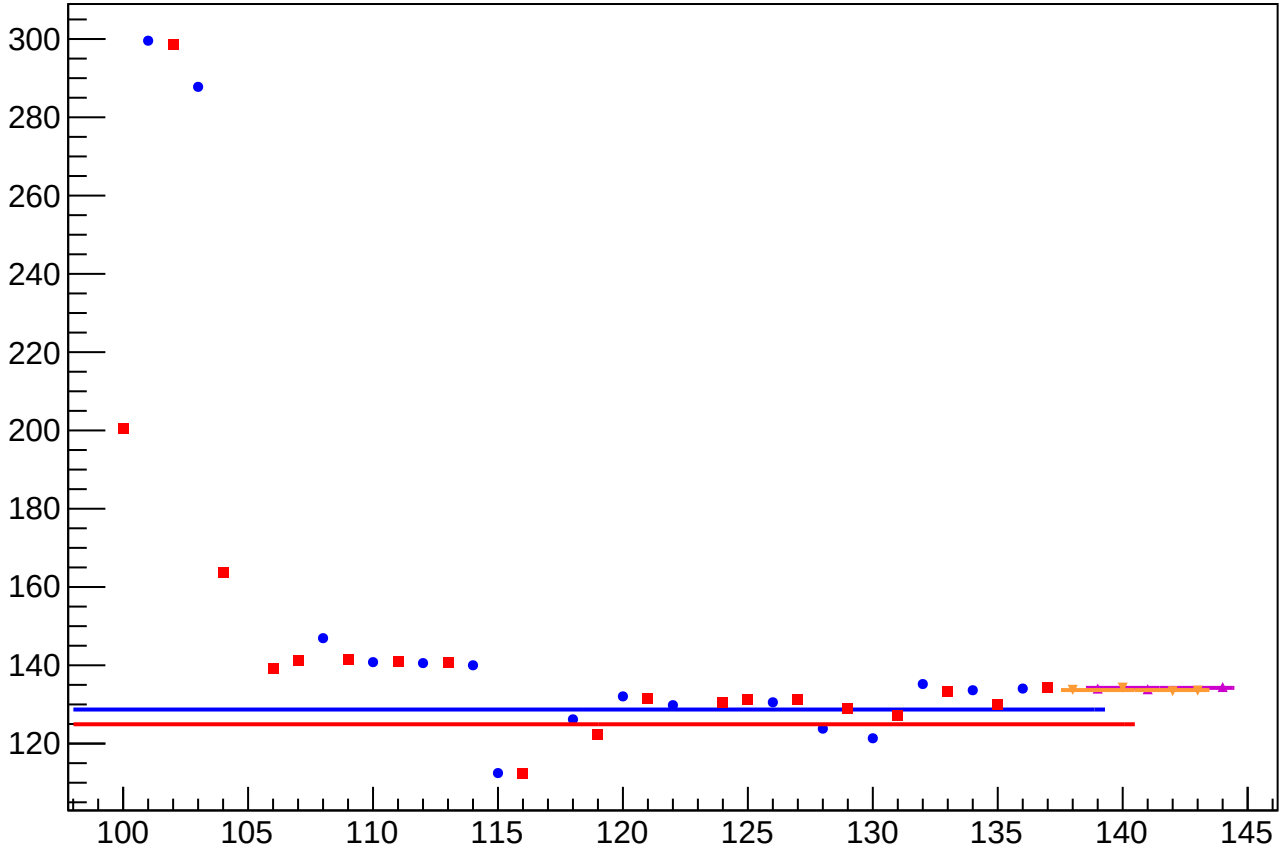
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:13148925.8/18

Out: 0.015+/-0.000 χ^2/NDF:13111184.4/22

All: 0.015+/-0.000 χ^2/NDF: 26260351.3/41

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.674+/-0.000 χ^2/NDF:938316.0/3

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.231+/-0.000 χ^2/NDF:562793.0/2

Left: 133.931+/-0.000 χ^2/NDF: 3011022.5/6

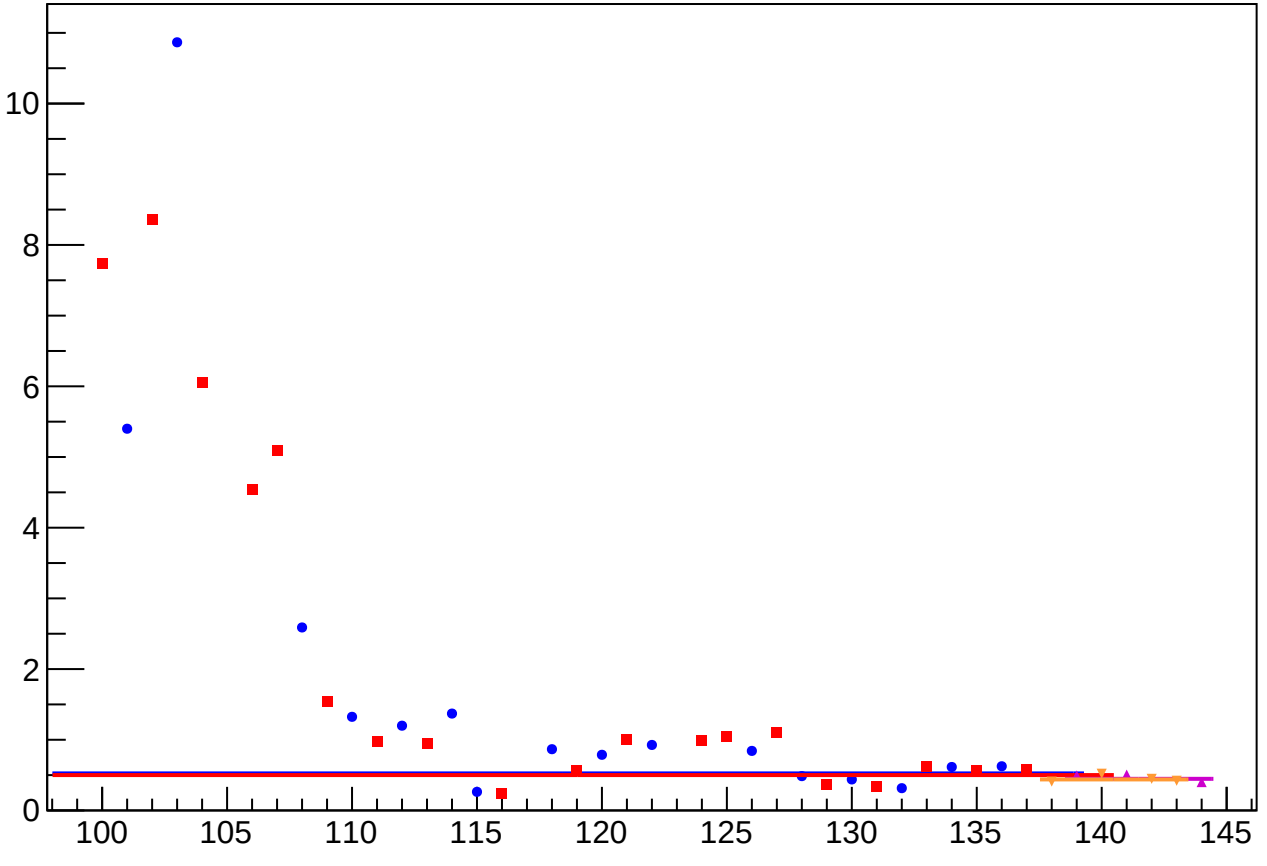
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 130.931+/-0.000 χ^2/NDF:1821629799.6/18

Out: 128.687+/-0.000 χ^2/NDF:1858820527.1/22

All: 129.757+/-0.000 χ^2/NDF: 3739511689.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.439+/-0.000 χ^2/NDF:30971.3/3

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.447+/-0.000 χ^2/NDF:45573.2/2

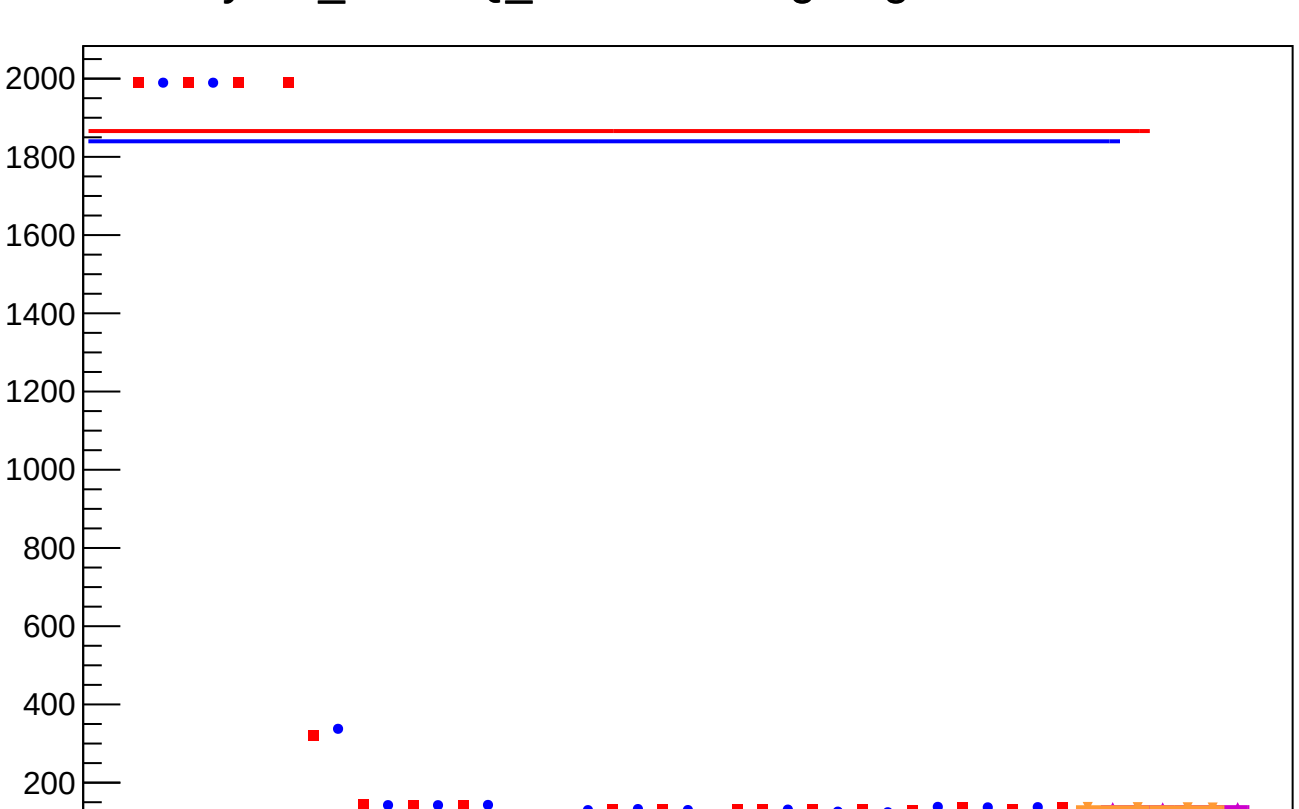
Left: 0.443+/-0.000 χ^2/NDF: 77231.7/6

Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.493+/-0.000 χ^2/NDF:4247398.3/18

Out: 0.474+/-0.000 χ^2/NDF:4960771.8/22

All: 0.483+/-0.000 χ^2/NDF: 9216645.9/41



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.149+/-0.000 χ^2/NDF:7256714.7/3

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.409+/-0.000 χ^2/NDF:1315819.1/2

Left: 137.271+/-0.000 χ^2/NDF: 9404929.0/6

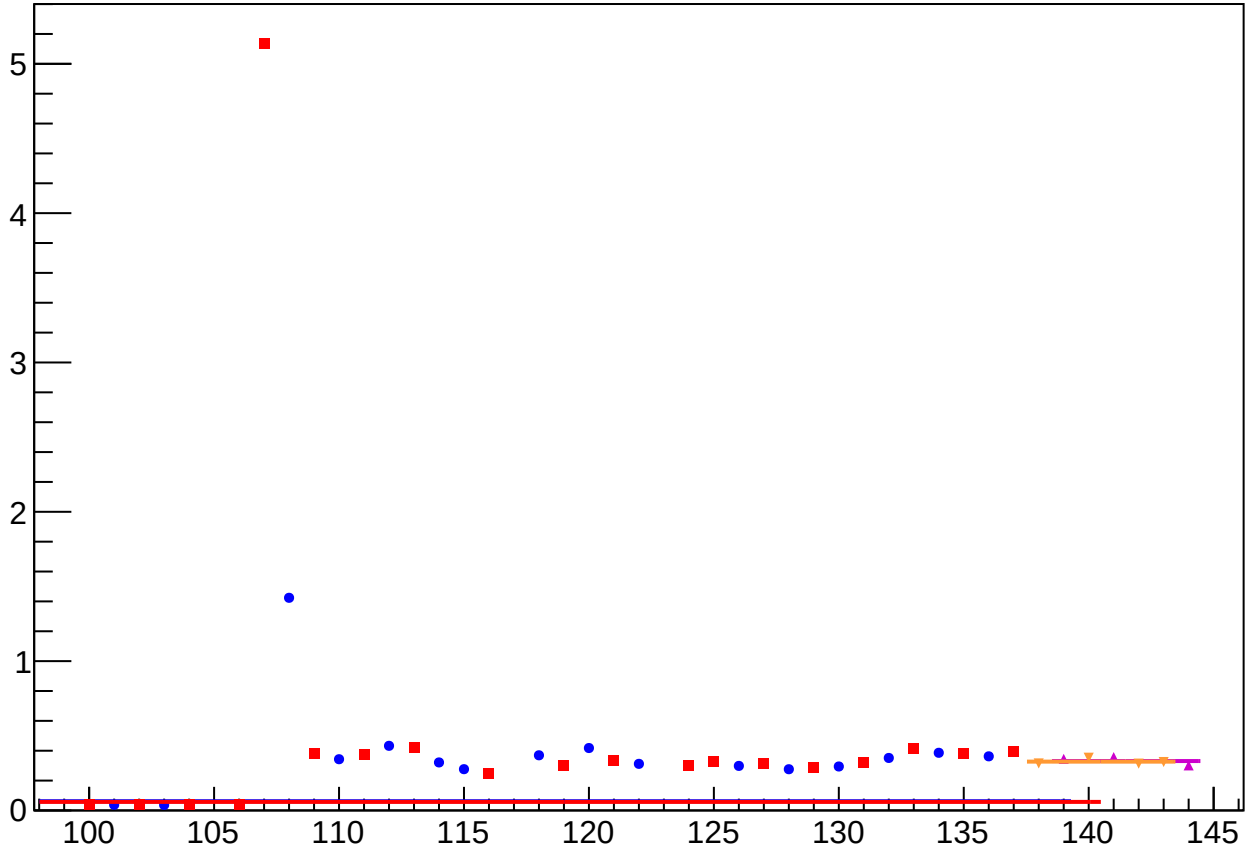
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1773.519+/-0.000 χ^2/NDF:210251836995960.

Out: 1800.861+/-0.000 χ^2/NDF:21772479793264

All: 1788.238+/-0.000 χ^2/NDF: 428215474

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.327+/-0.000 χ^2/NDF:13054.6/3

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.331+/-0.000 χ^2/NDF:28436.2/2

Left: 0.329+/-0.000 χ^2/NDF: 41845.9/6

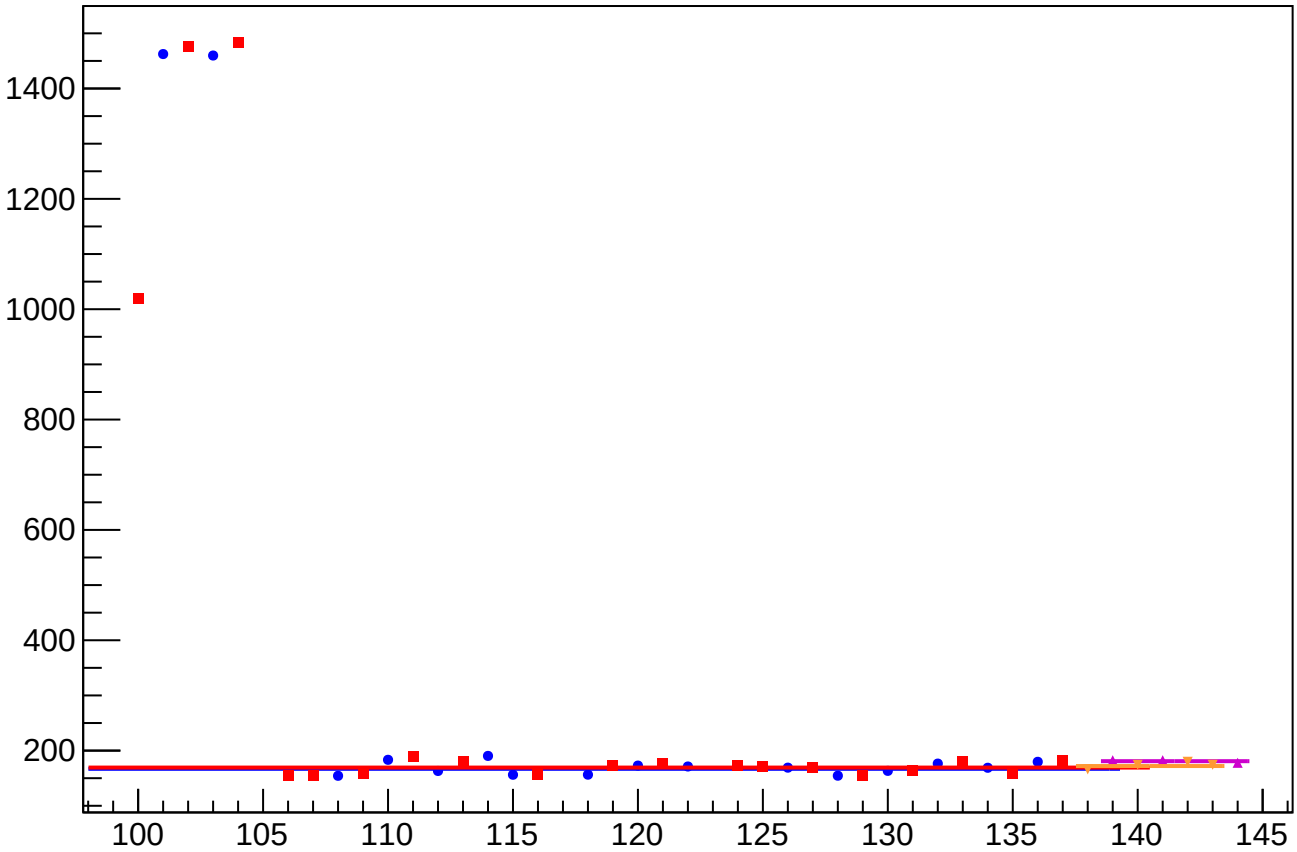
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.072+/-0.000 χ^2/NDF:11417290.6/18

Out: 0.067+/-0.000 χ^2/NDF:11405559.0/22

All: 0.070+/-0.000 χ^2/NDF: 22837569.9/41

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 172.041+/-0.001 χ^2/NDF:55629593.9/3

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 180.846+/-0.001 χ^2/NDF:10810601.7/2

Left: 176.073+/-0.000 χ^2/NDF: 156151690.6/6

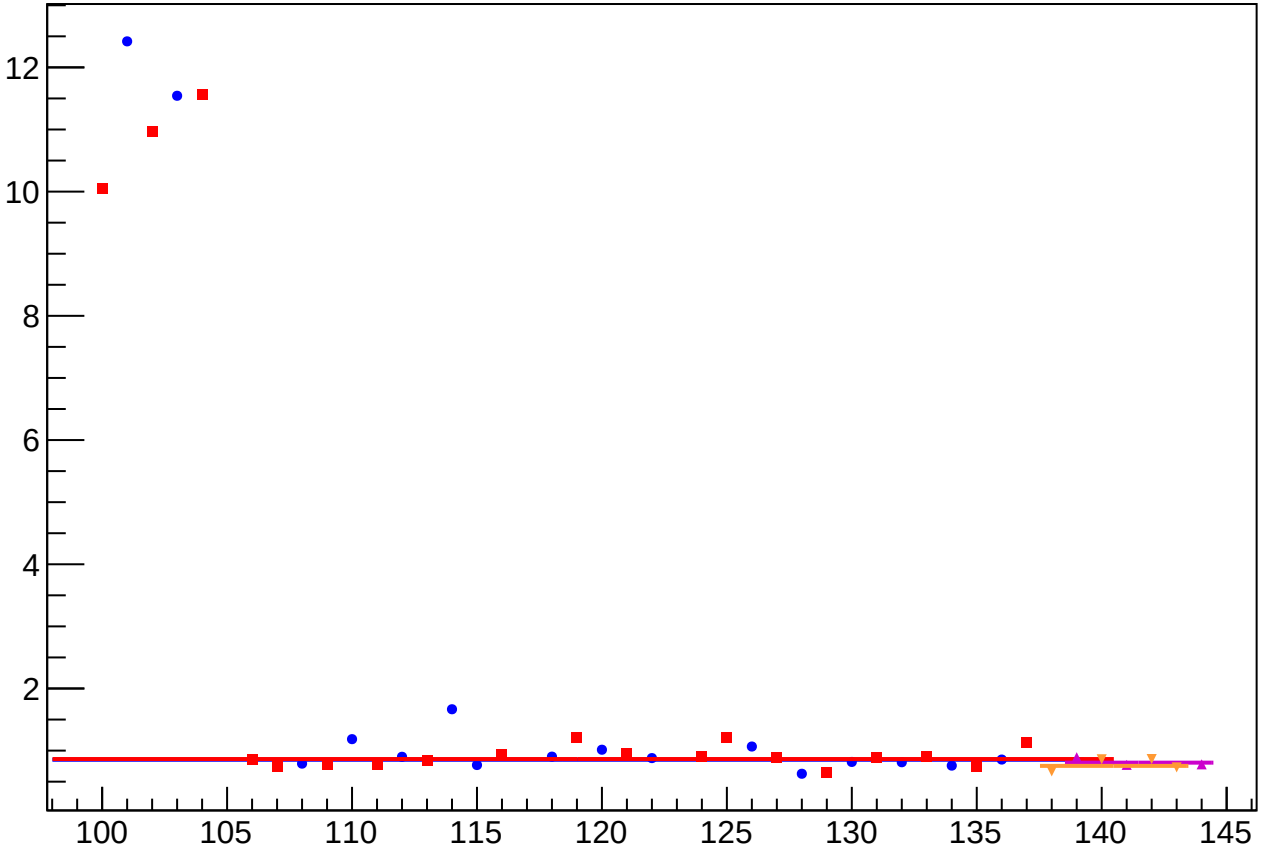
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.989+/-0.000 χ^2/NDF:14916718918.8/18

Out: 170.139+/-0.000 χ^2/NDF:16386547056.7/22

All: 170.549+/-0.000 χ^2/NDF: 31306046848.

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:35216.0/3

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.806+/-0.000 χ^2/NDF:11645.8/2

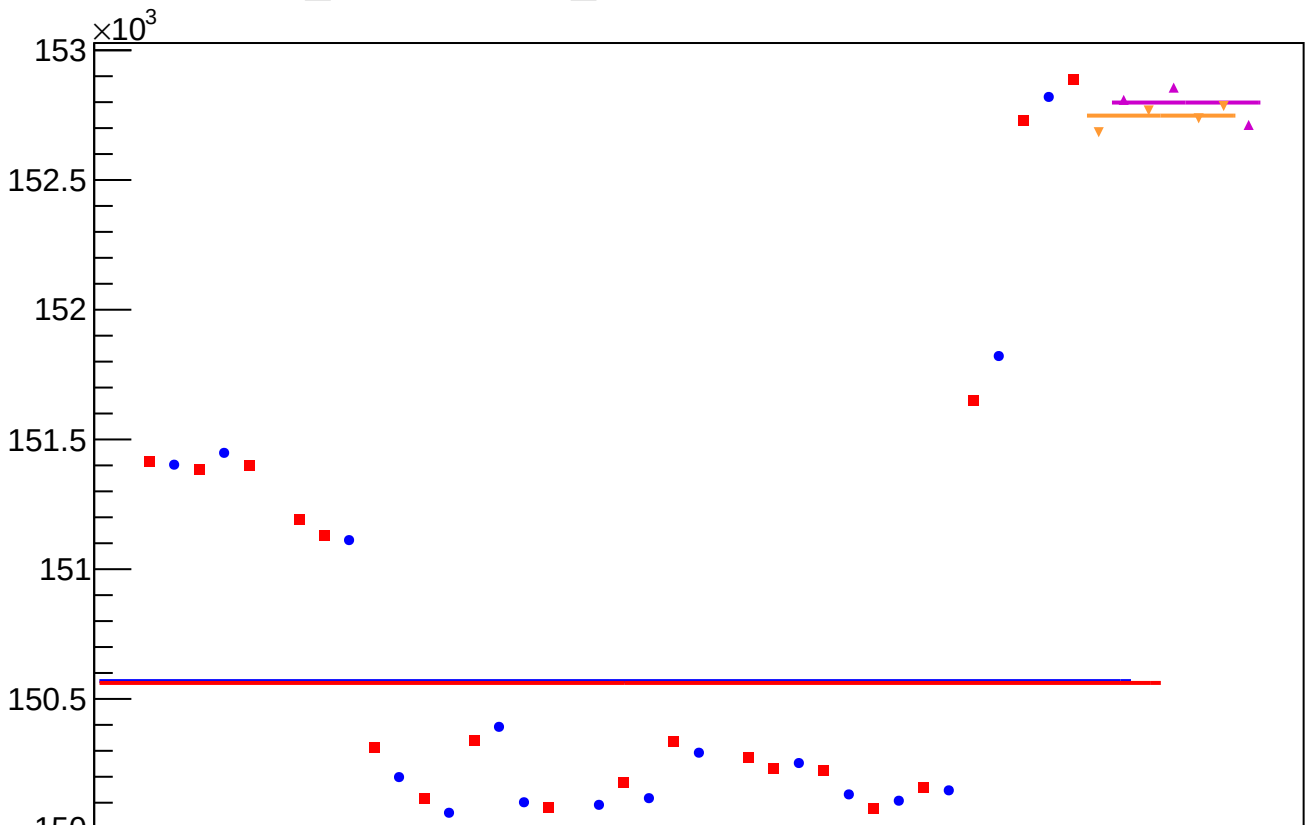
Left: 0.778+/-0.000 χ^2/NDF: 53112.0/6

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.840+/-0.000 χ^2/NDF:2320614.5/18

Out: 0.829+/-0.000 χ^2/NDF:2286321.8/22

All: 0.834+/-0.000 χ^2/NDF: 4607722.6/41



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152798.480+/-0.108 χ^2/NDF:304819.8/2

Left: 152771.646+/-0.074 χ^2/NDF: 569824.7/6

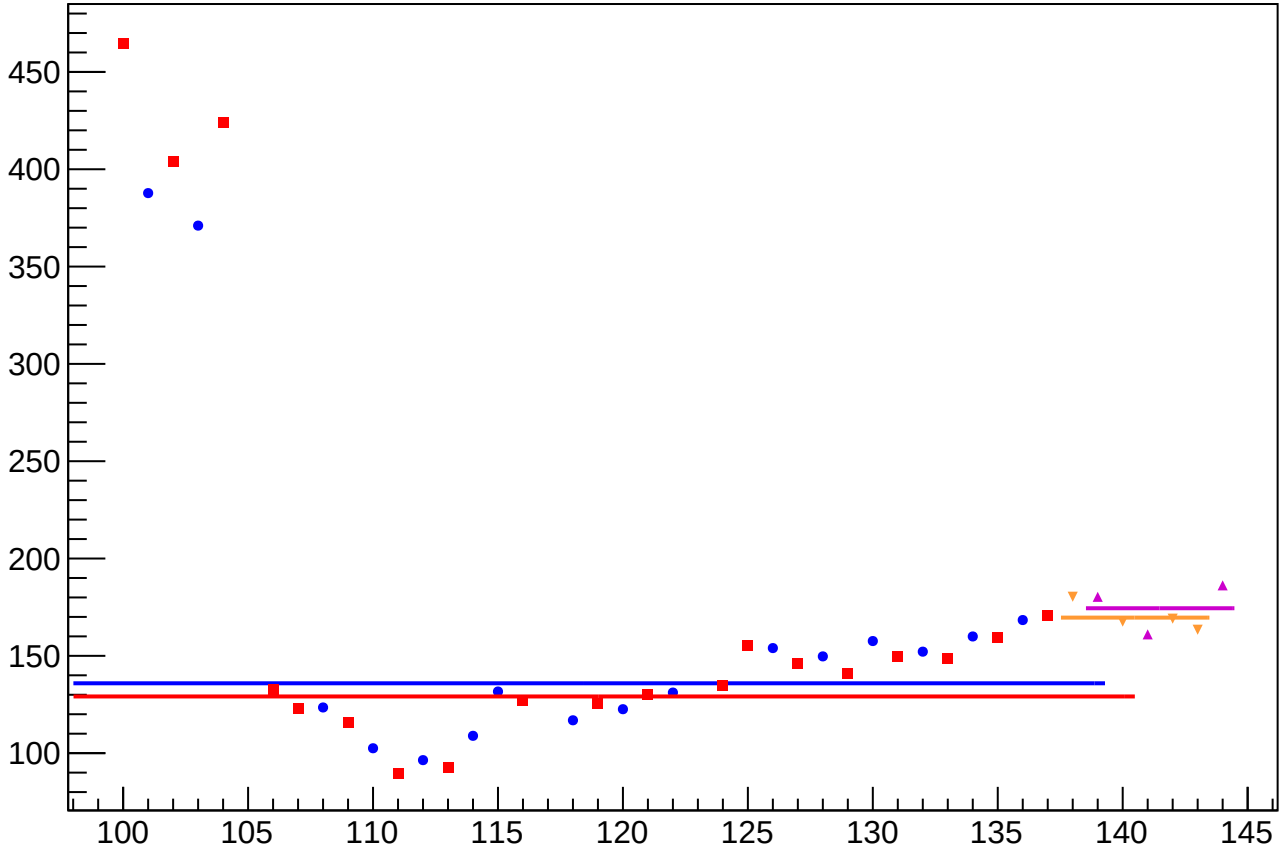
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151019.863+/-0.049 χ^2/NDF:574835821.0/18

Out: 151002.145+/-0.046 χ^2/NDF:568211203.5/22

All: 151010.401+/-0.033 χ^2/NDF: 11431175

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 174.455+/-0.077 χ^2/NDF:20997.1/2

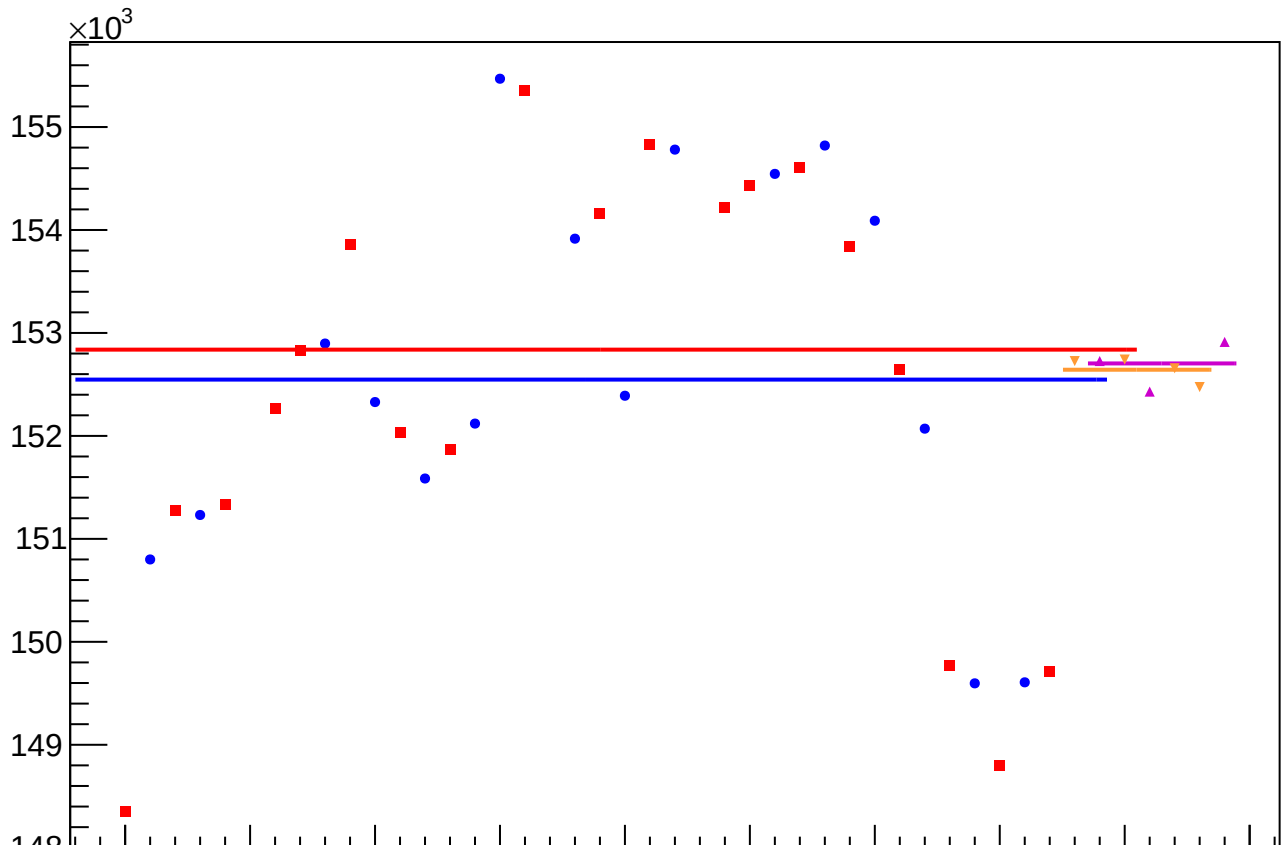
Left: 171.889+/-0.052 χ^2/NDF: 31082.4/6

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 143.699+/-0.034 χ^2/NDF:1639089.1/18

Out: 137.292+/-0.032 χ^2/NDF:1876694.1/22

All: 140.277+/-0.024 χ^2/NDF: 3534214.3/41



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152703.879+/-0.115 χ^2/NDF:3014879.9/2

Left: 152671.010+/-0.079 χ^2/NDF: 4300732.6/6

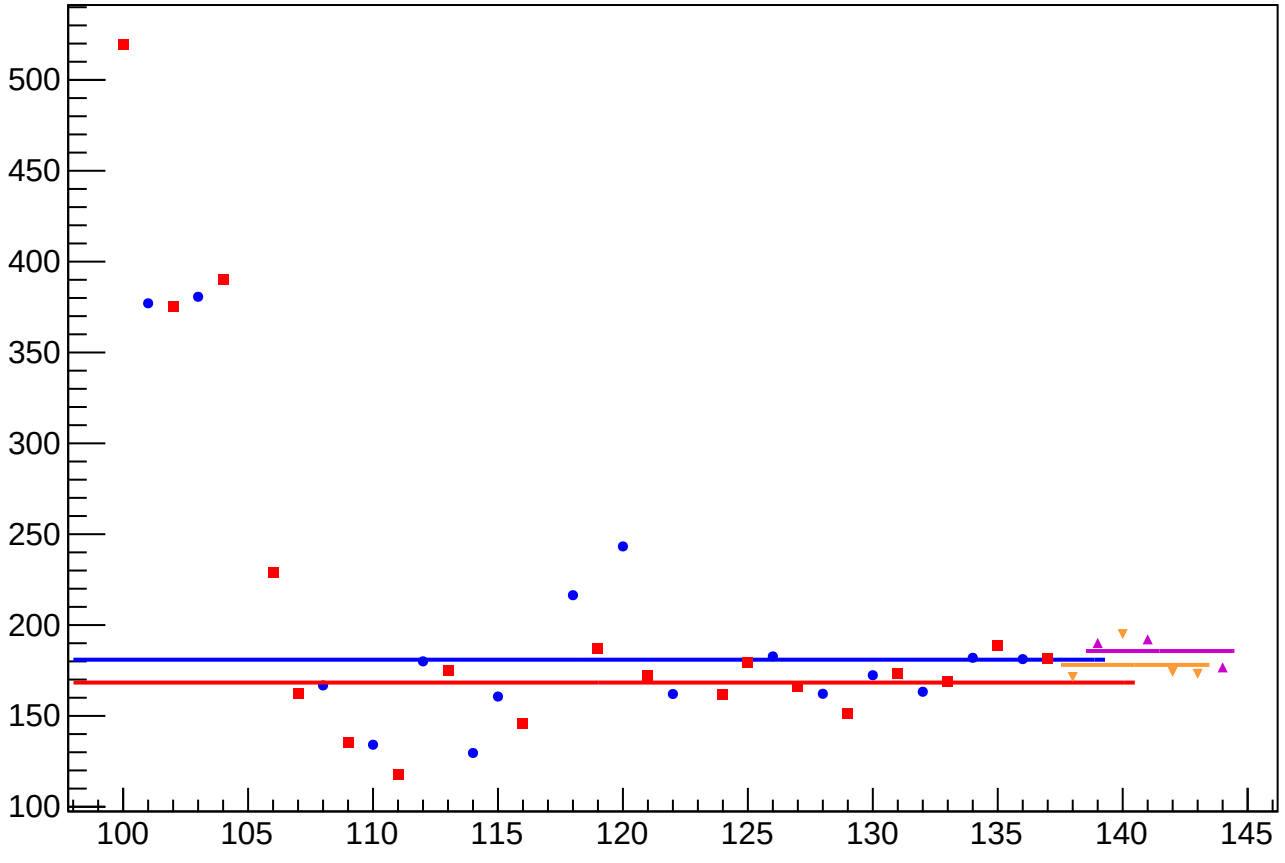
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152591.377+/-0.061 χ^2/NDF:658879574.8/18

Out: 152783.449+/-0.057 χ^2/NDF:740433480.6/22

All: 152695.317+/-0.042 χ^2/NDF: 14045959

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 185.715+/-0.082 χ^2/NDF:7433.7/2

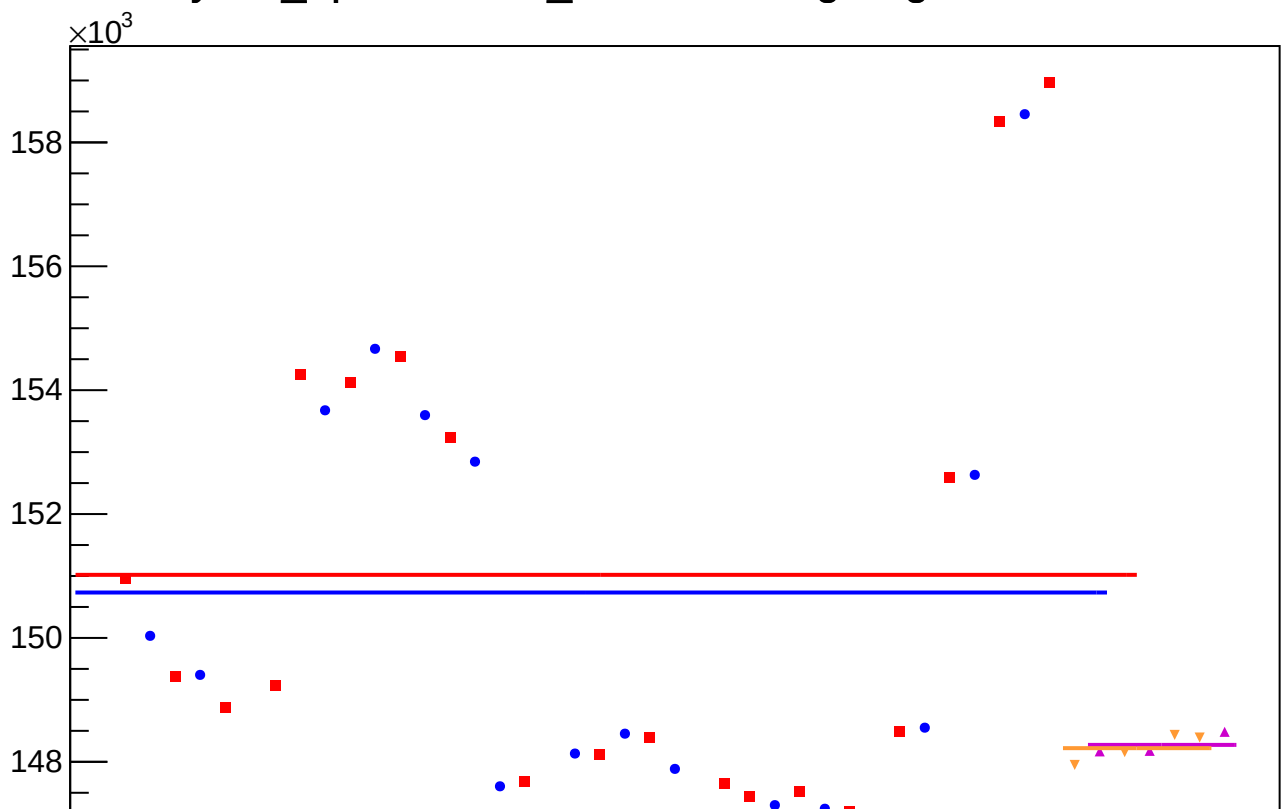
Left: 181.610+/-0.056 χ^2/NDF: 28163.0/6

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.292+/-0.043 χ^2/NDF:917643.4/18

Out: 171.062+/-0.040 χ^2/NDF:1116989.9/22

All: 176.215+/-0.029 χ^2/NDF: 2070753.5/41



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148220.446+/-0.105 χ^2/NDF:3278546.4/3

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148273.111+/-0.113 χ^2/NDF:1658737.0/2

Left: 148244.938+/-0.077 χ^2/NDF: 5053990.9/6

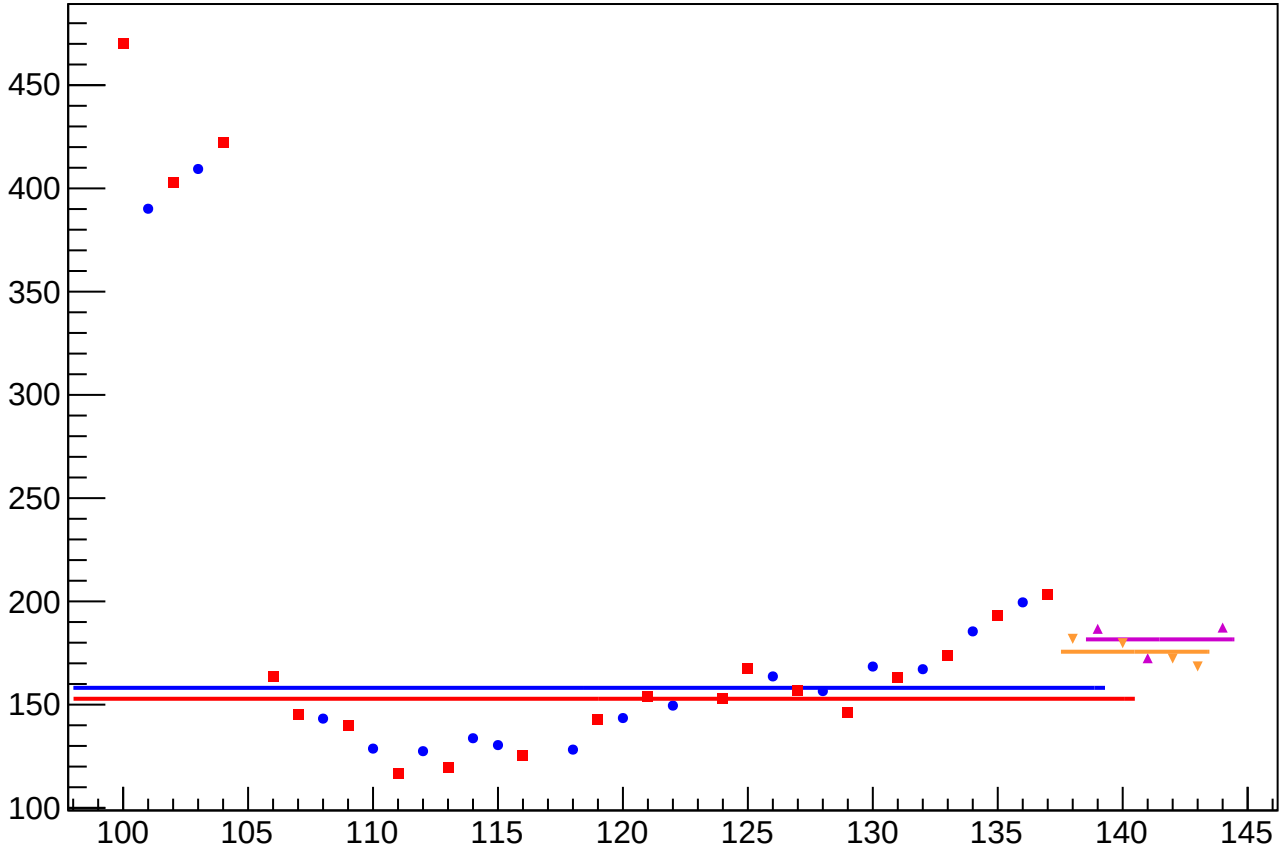
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150149.405+/-0.055 χ^2/NDF:3648603832.9/18

Out: 150330.080+/-0.052 χ^2/NDF:3823483872.7/2

All: 150244.434+/-0.038 χ^2/NDF: 747777812

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 175.627+/-0.074 χ^2/NDF:5806.8/3

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 181.604+/-0.080 χ^2/NDF:7800.3/2

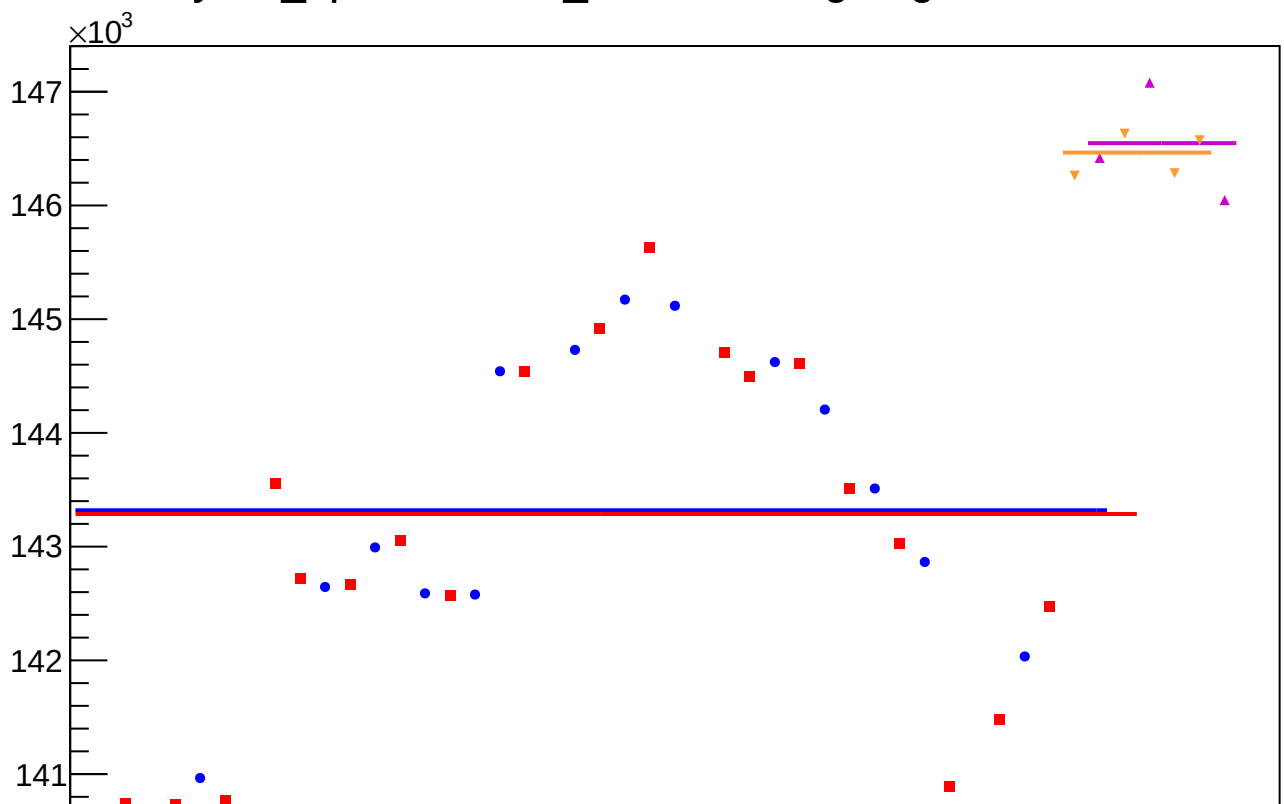
Left: 178.407+/-0.054 χ^2/NDF: 16613.6/6

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 163.707+/-0.039 χ^2/NDF:1269568.7/18

Out: 158.447+/-0.037 χ^2/NDF:1340877.6/22

All: 160.941+/-0.027 χ^2/NDF: 2620092.3/41



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146465.142+/-0.104 χ^2/NDF:2488551.4/3

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146547.973+/-0.111 χ^2/NDF:15516089.5/2

Left: 146503.716+/-0.076 χ^2/NDF: 18301267.7/6

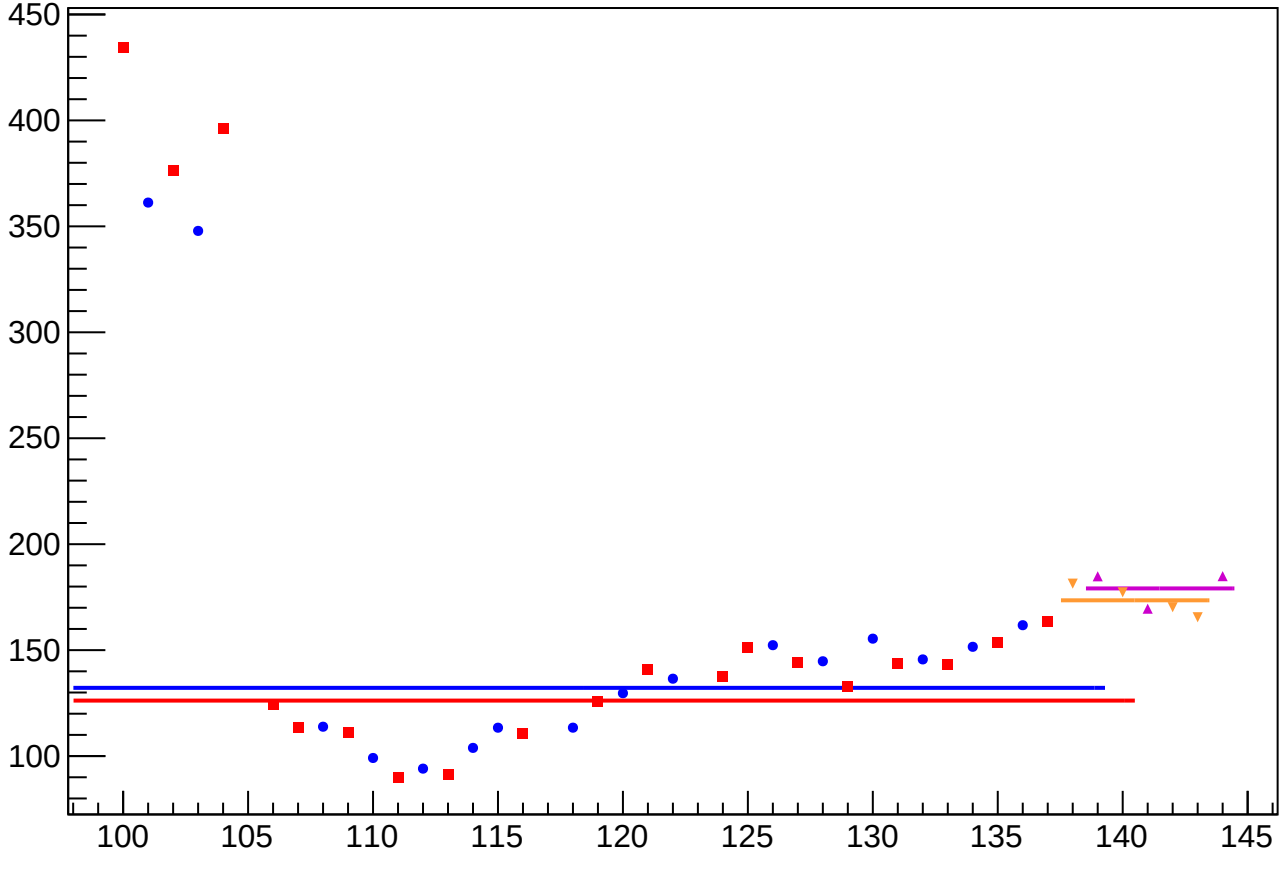
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 143919.825+/-0.048 χ^2/NDF:1261359949.9/18

Out: 143879.962+/-0.045 χ^2/NDF:1385795978.8/2

All: 143898.562+/-0.033 χ^2/NDF: 26475248

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 173.511+/-0.073 χ^2/NDF:7648.8/3

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 179.121+/-0.079 χ^2/NDF:8913.0/2

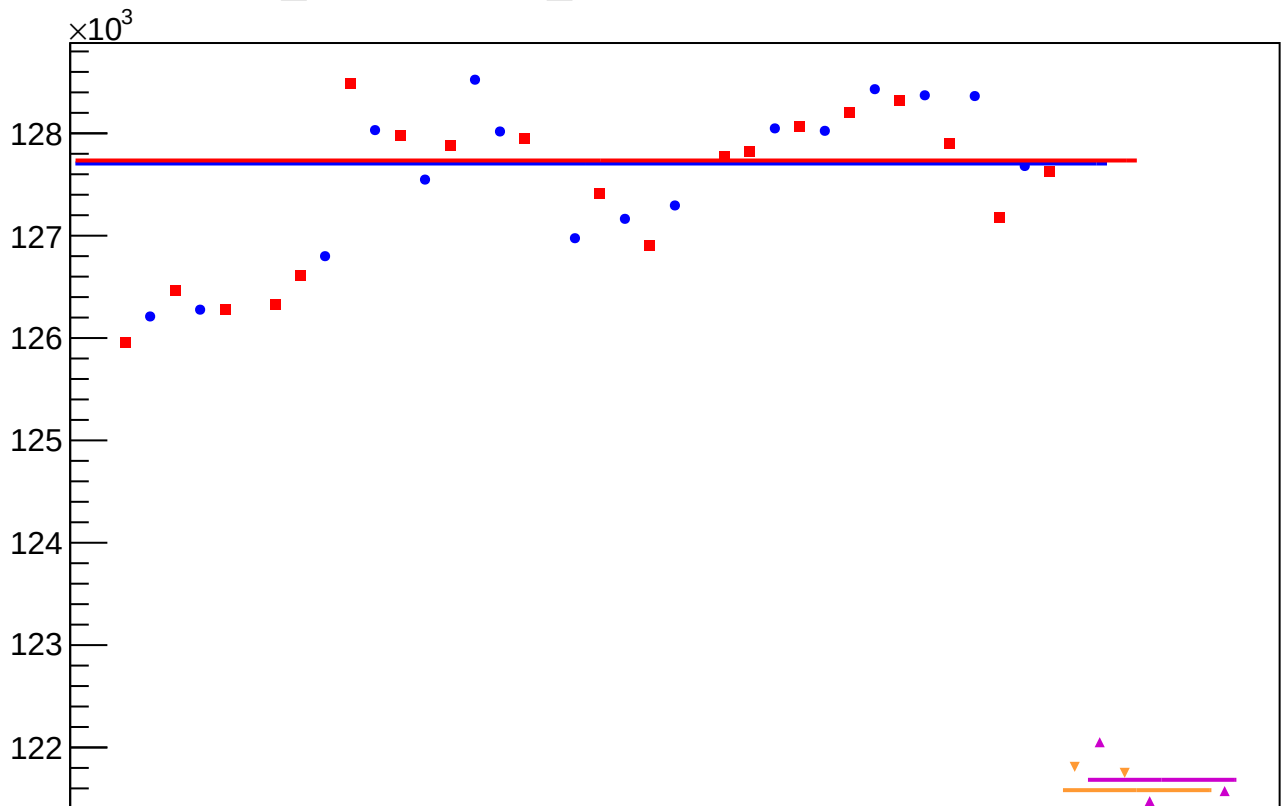
Left: 176.124+/-0.054 χ^2/NDF: 19282.9/6

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 140.926+/-0.034 χ^2/NDF:1678086.0/18

Out: 135.020+/-0.032 χ^2/NDF:1890880.7/22

All: 137.776+/-0.023 χ^2/NDF: 3585163.2/41



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121582.829+/-0.092 χ^2/NDF:5144601.6/3

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121684.003+/-0.096 χ^2/NDF:6490412.5/2

Left: 121631.518+/-0.067 χ^2/NDF: 12212867.7/6

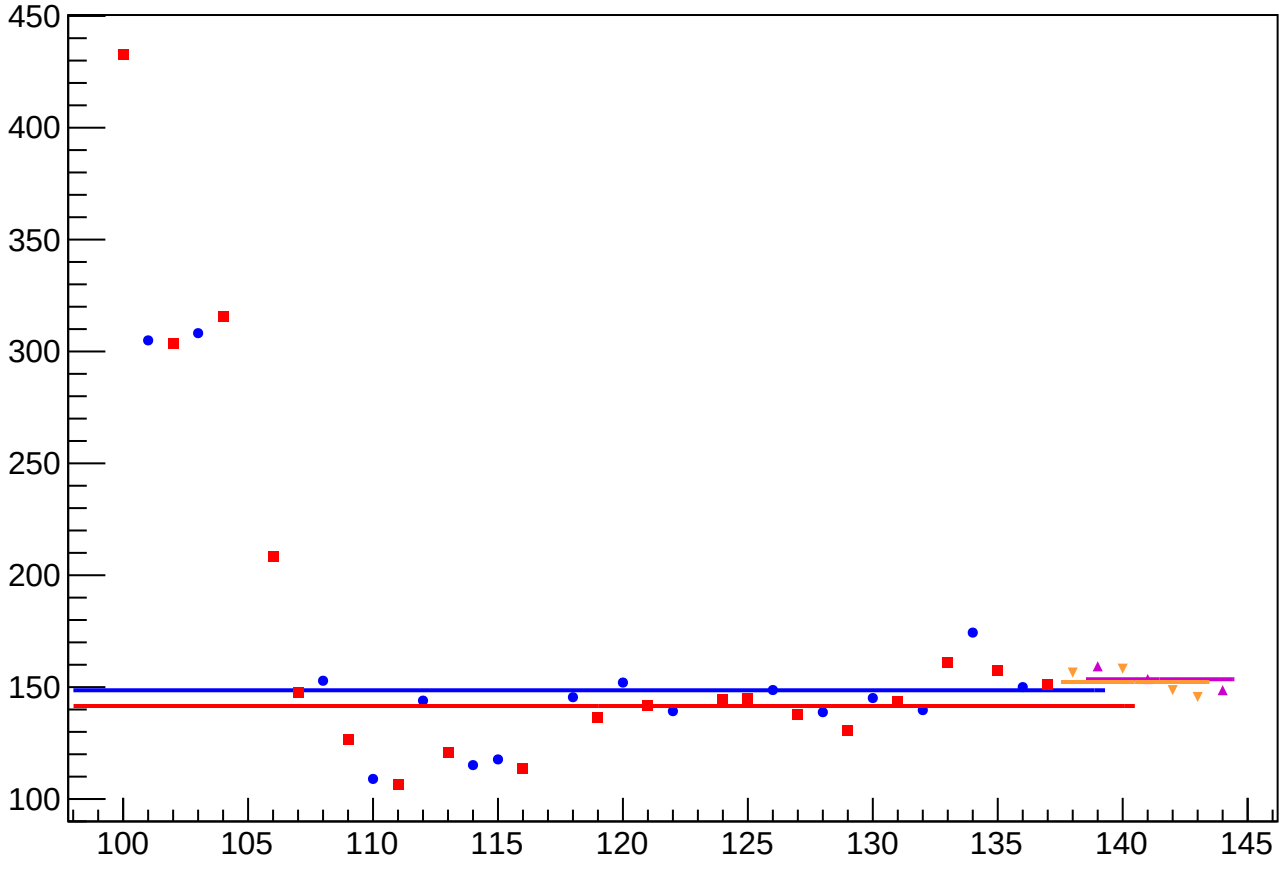
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 126074.745+/-0.050 χ^2/NDF:2987908978.7/18

Out: 126127.115+/-0.047 χ^2/NDF:3393857806.4/2

All: 126102.379+/-0.034 χ^2/NDF: 63823483

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 152.299+/-0.065 χ^2/NDF:7090.6/3

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 153.524+/-0.068 χ^2/NDF:4069.9/2

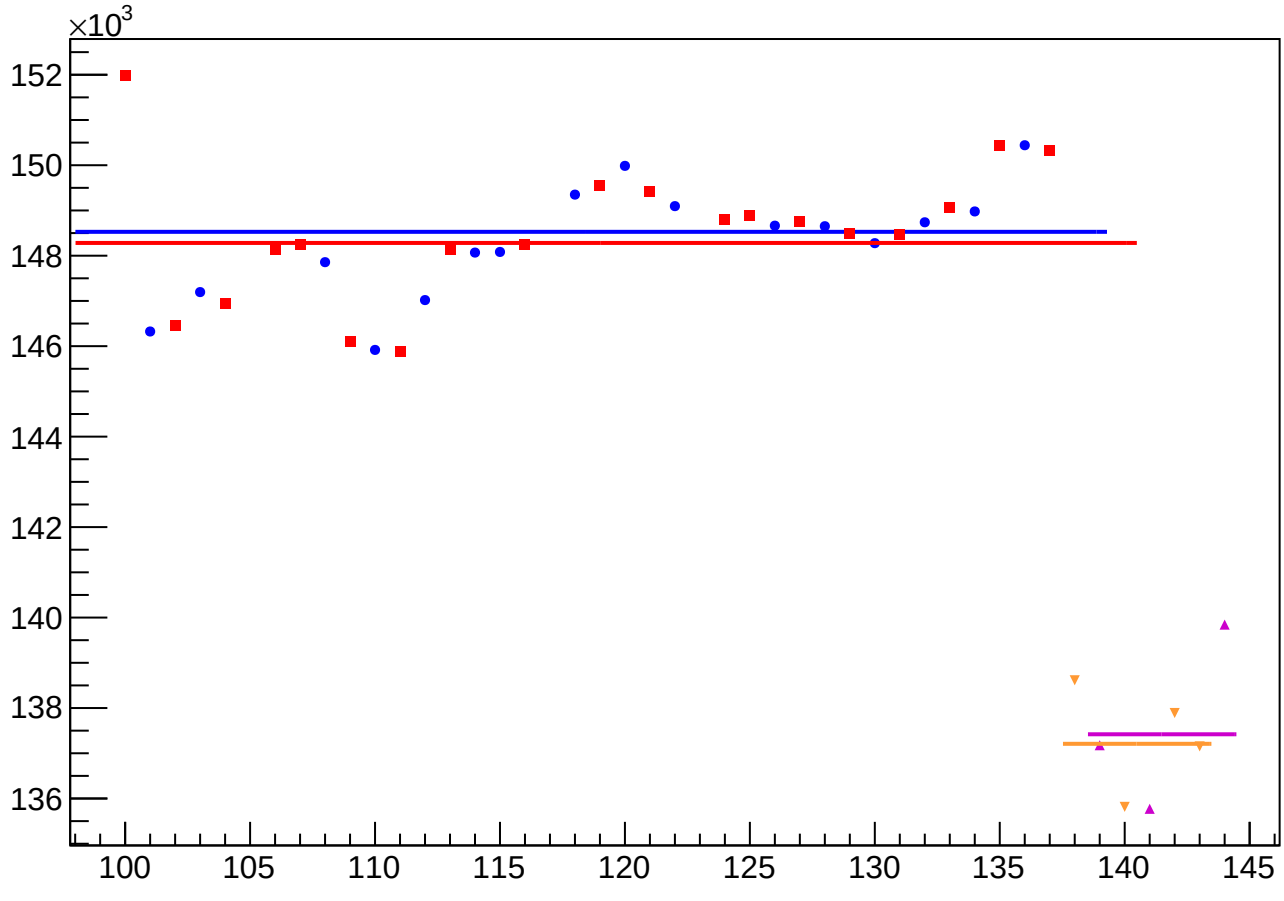
Left: 152.888+/-0.047 χ^2/NDF: 11329.7/6

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 149.928+/-0.035 χ^2/NDF:835629.5/18

Out: 144.368+/-0.033 χ^2/NDF:1028292.0/22

All: 146.994+/-0.024 χ^2/NDF: 1877030.7/41



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137209.007+/-0.136 χ^2/NDF:61376542.0/3

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 137419.861+/-0.142 χ^2/NDF:135539894.3/2

Left: 137309.899+/-0.098 χ^2/NDF: 198065501.5/6

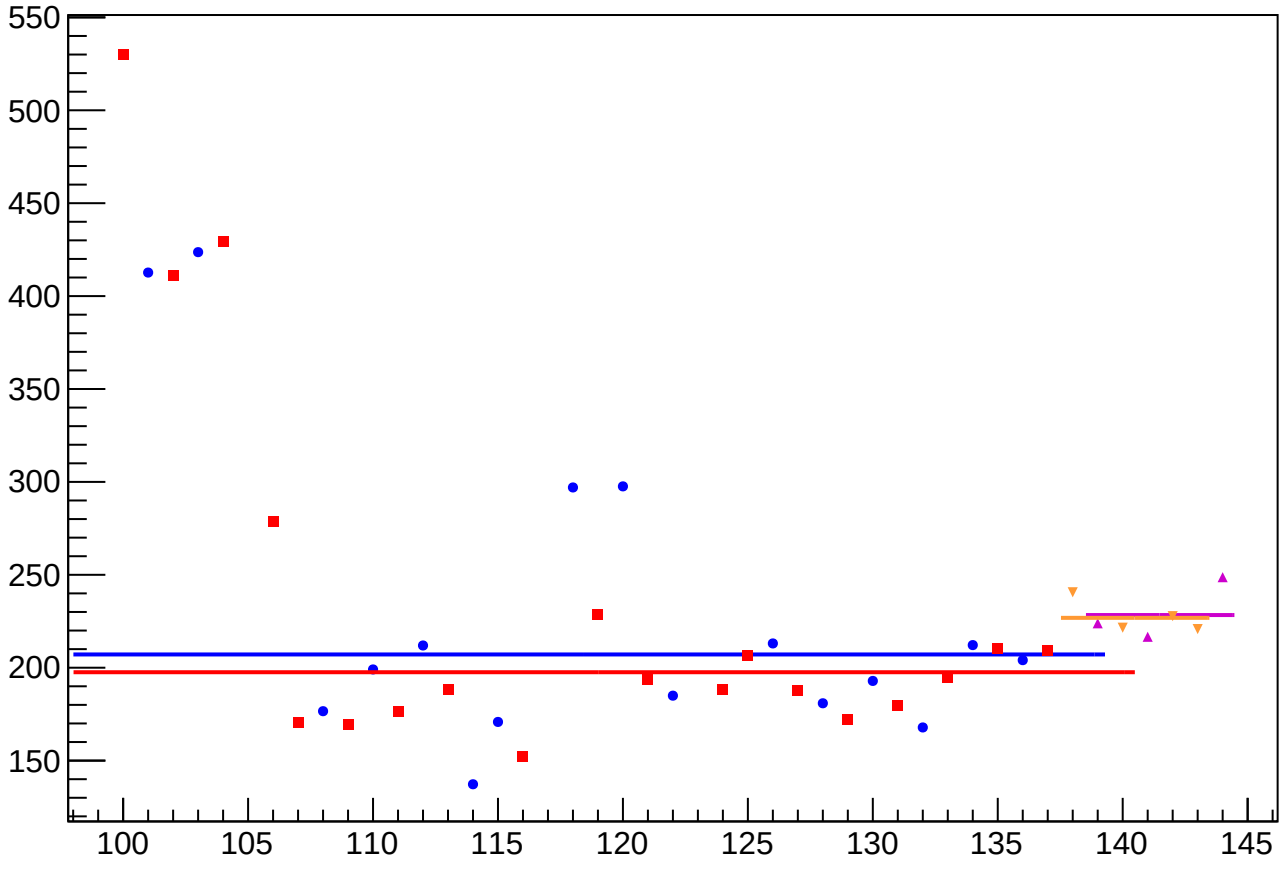
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 145754.401+/-0.071 χ^2/NDF:4932796104.3/18

Out: 145616.928+/-0.067 χ^2/NDF:5384767715.1/2

All: 145681.451+/-0.049 χ^2/NDF: 10319554

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 226.836+/-0.096 χ^2/NDF:7039.9/3

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 228.343+/-0.100 χ^2/NDF:17617.9/2

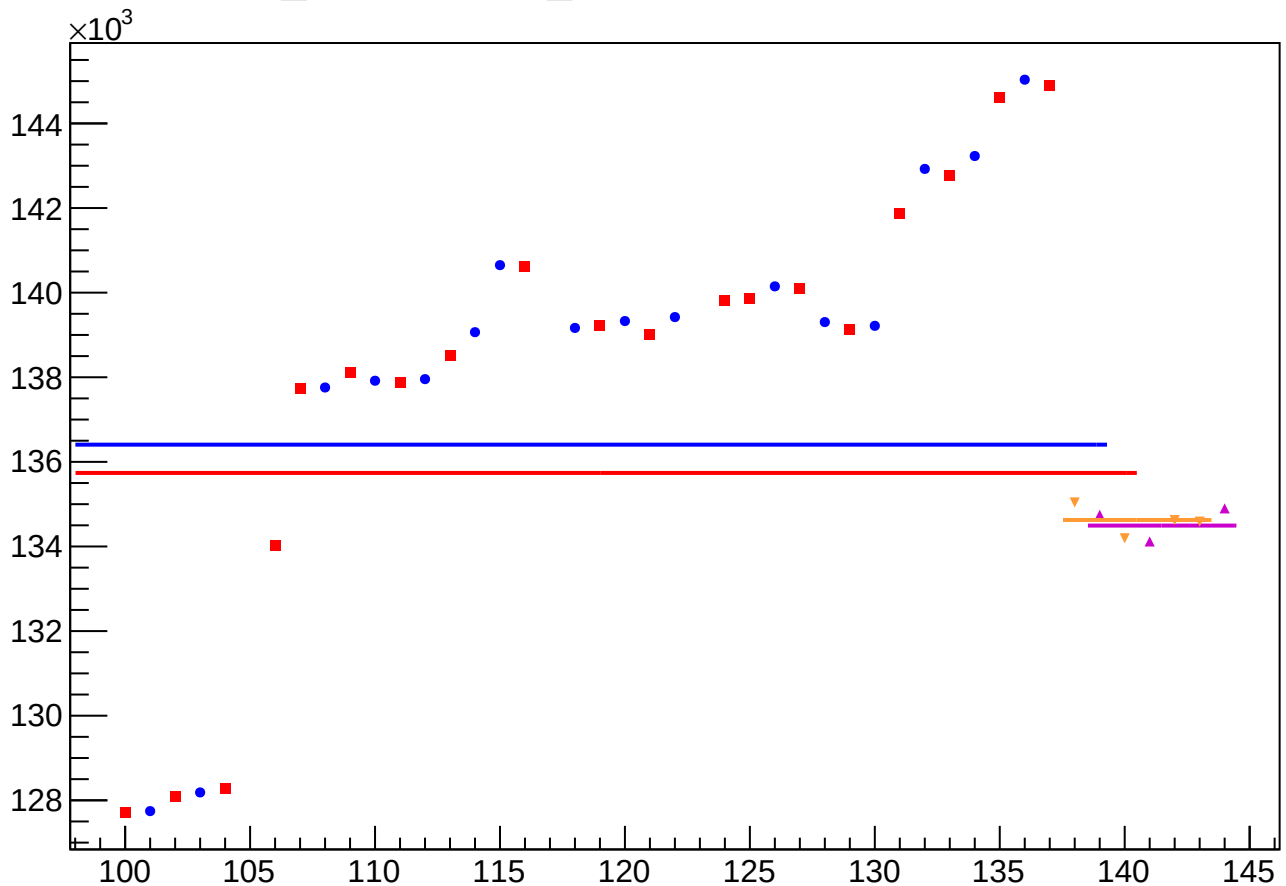
Left: 227.557+/-0.069 χ^2/NDF: 24775.1/6

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 212.430+/-0.050 χ^2/NDF:1023285.7/18

Out: 204.615+/-0.047 χ^2/NDF:981291.6/22

All: 208.283+/-0.034 χ^2/NDF: 2017444.4/41



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134626.576+/-0.311 χ^2/NDF:1019287.1/3

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134494.085+/-0.339 χ^2/NDF:1094104.2/2

Left: 134566.222+/-0.229 χ^2/NDF: 2196328.4/6

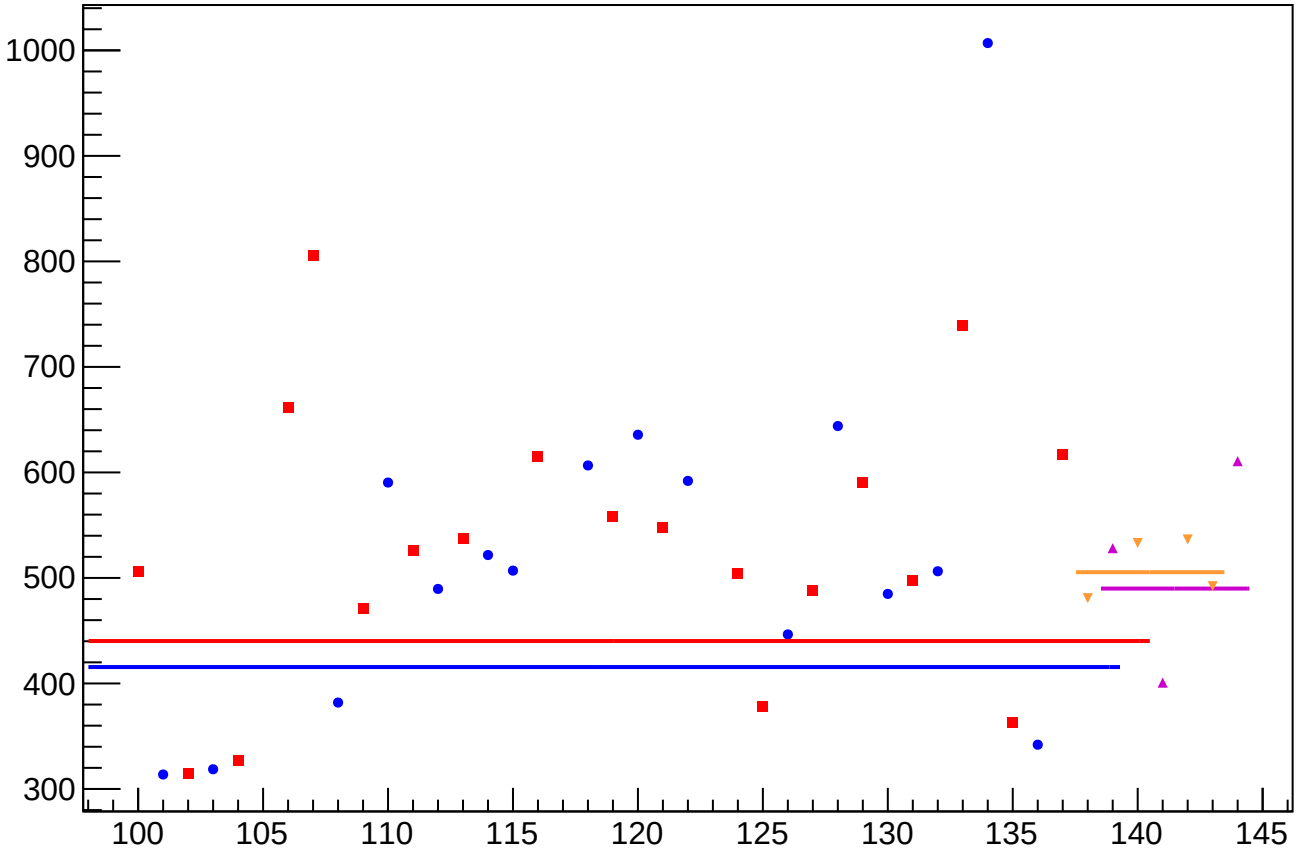
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 136028.528+/-0.151 χ^2/NDF:1603635356.0/18

Out: 135466.500+/-0.154 χ^2/NDF:1184828958.8/2

All: 135752.260+/-0.108 χ^2/NDF: 279527553

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 505.456+/-0.220 χ^2/NDF:11674.2/3

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 489.925+/-0.240 χ^2/NDF:136269.0/2

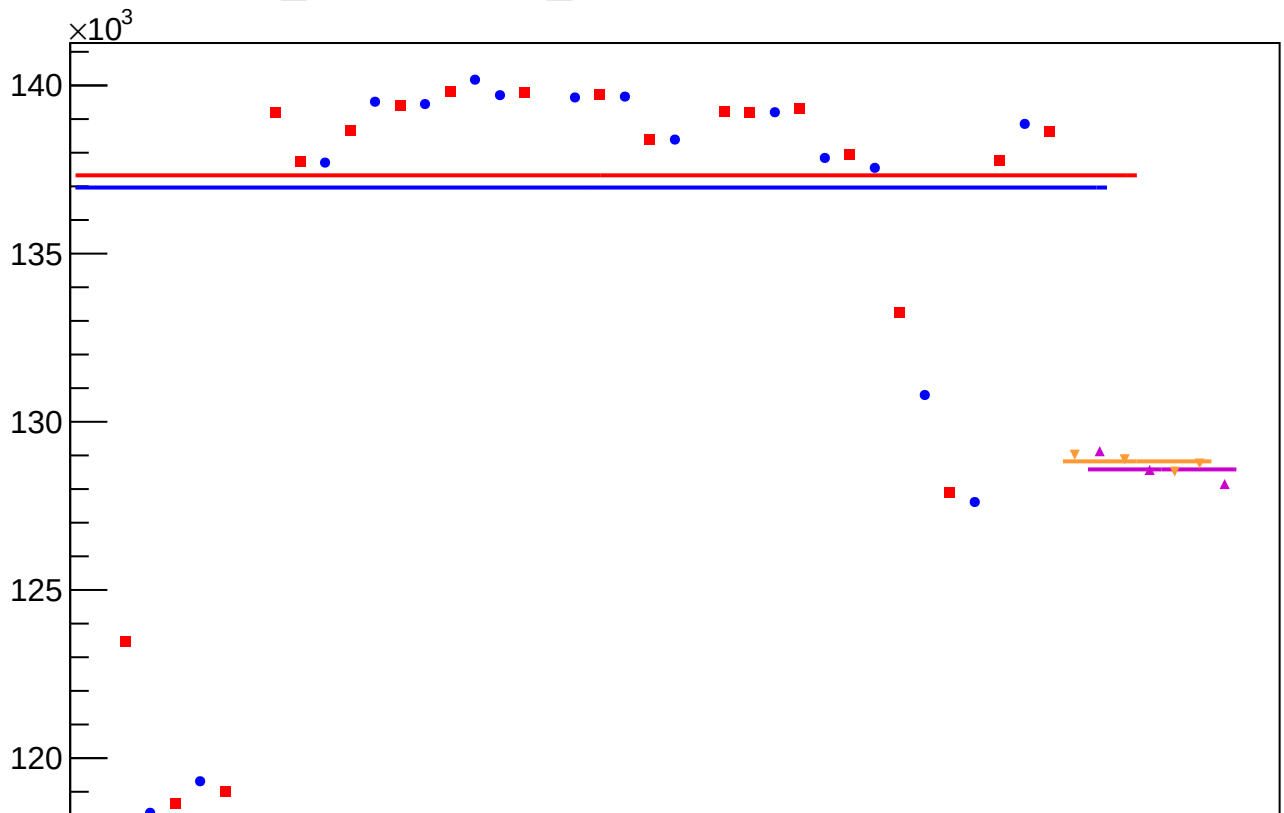
Left: 498.381+/-0.162 χ^2/NDF: 150222.6/6

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 430.261+/-0.107 χ^2/NDF:1244886.9/18

Out: 456.172+/-0.109 χ^2/NDF:989159.1/22

All: 442.998+/-0.076 χ^2/NDF: 2263001.8/41



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128823.561+/-0.099 χ^2/NDF:2781357.3/3

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128584.509+/-0.106 χ^2/NDF:14197773.6/2

Left: 128711.513+/-0.073 χ^2/NDF: 19685332.2/6

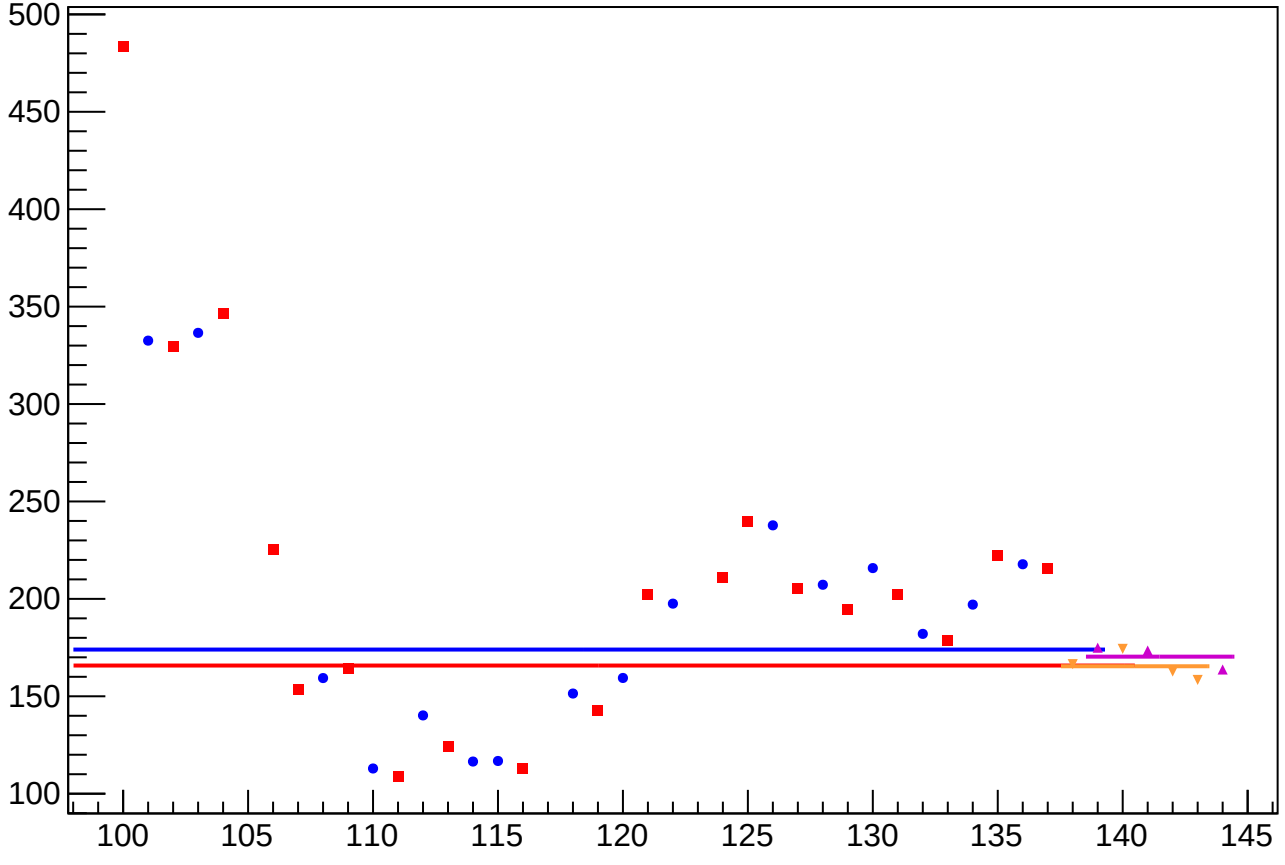
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 134431.212+/-0.058 χ^2/NDF:10189381539.7/

Out: 134748.982+/-0.055 χ^2/NDF:10831503188.2

All: 134599.810+/-0.040 χ^2/NDF: 21036679

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 165.412+/-0.070 χ^2/NDF:7609.0/3

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 170.345+/-0.075 χ^2/NDF:4580.7/2

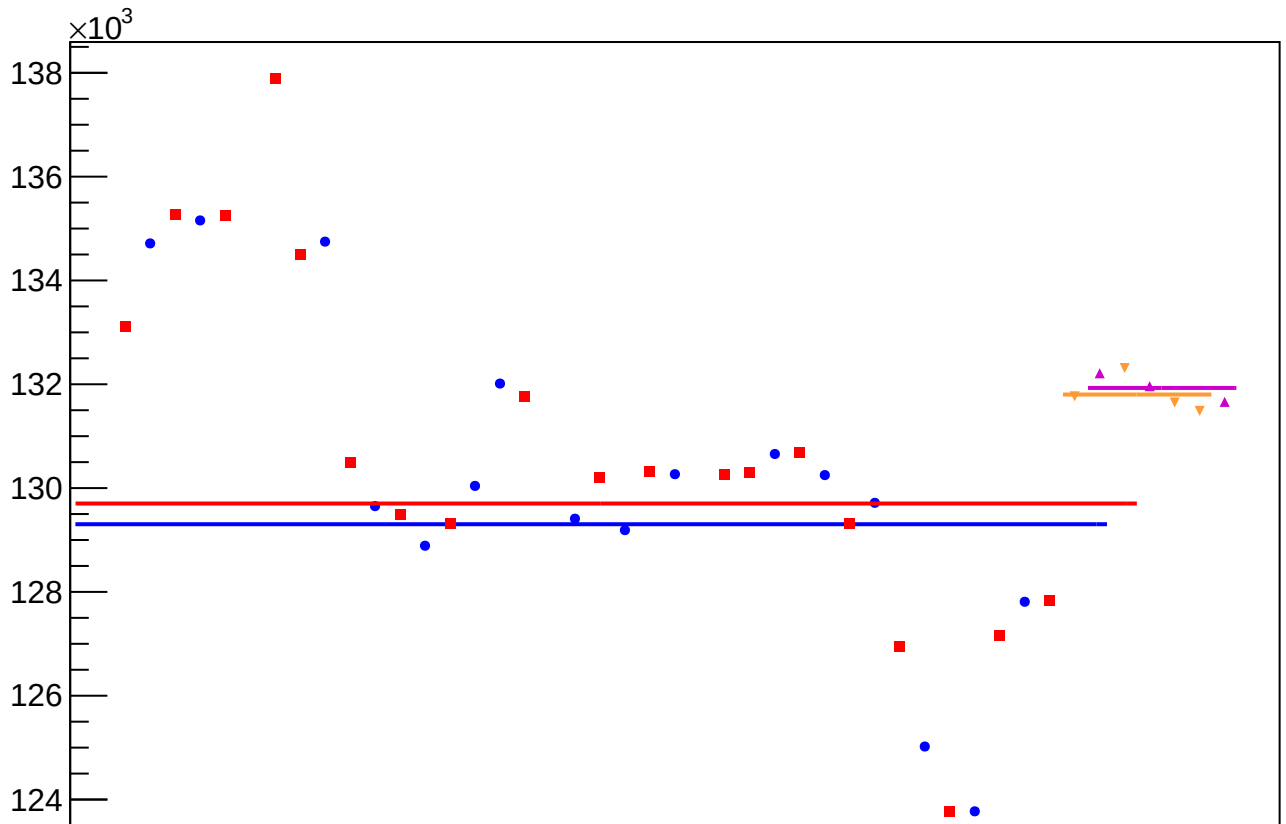
Left: 167.724+/-0.051 χ^2/NDF: 14493.6/6

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 172.882+/-0.041 χ^2/NDF:1194719.1/18

Out: 165.669+/-0.039 χ^2/NDF:1440790.4/22

All: 169.055+/-0.028 χ^2/NDF: 2651786.8/41



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131802.612+/-0.098 χ^2/NDF:10788180.3/3

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131929.108+/-0.104 χ^2/NDF:4785498.9/2

Left: 131862.114+/-0.071 χ^2/NDF: 16364037.7/6

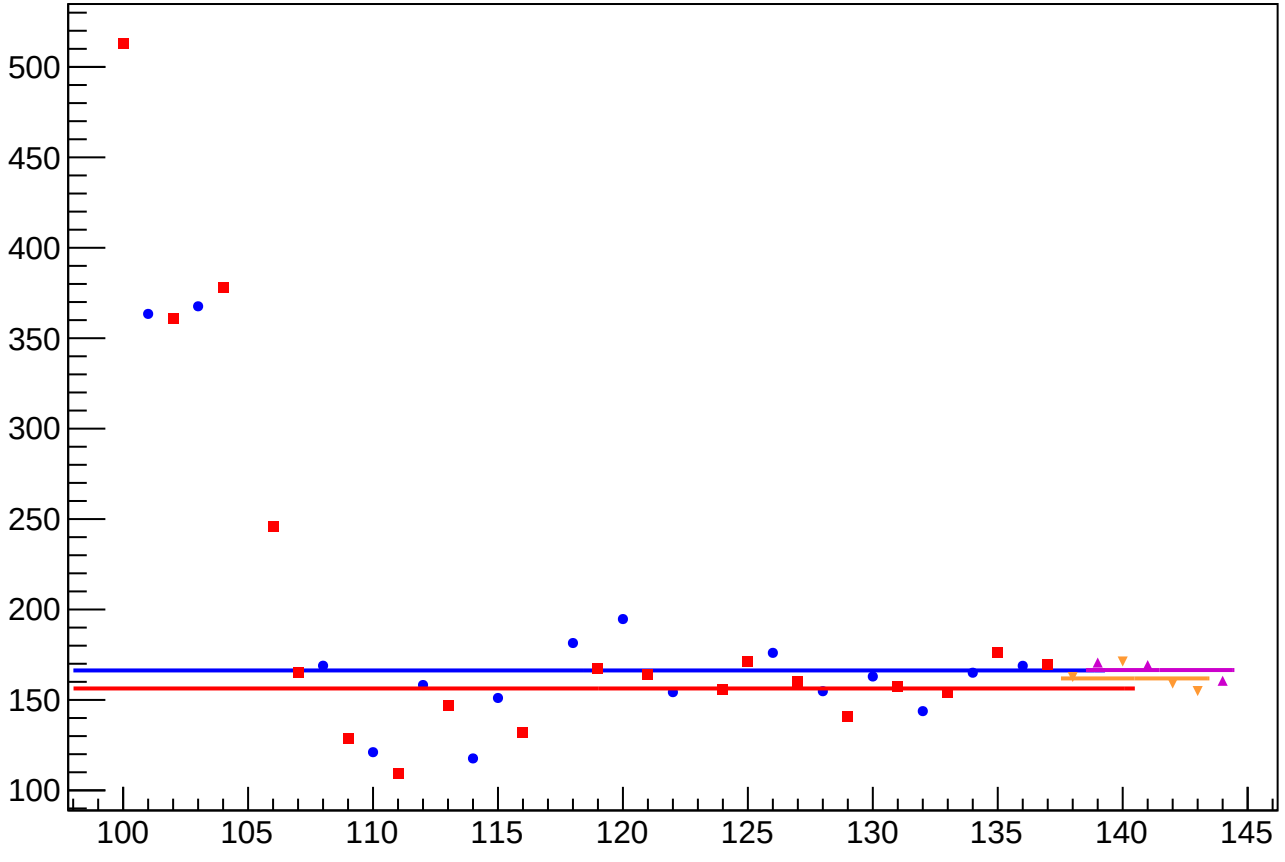
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130065.589+/-0.056 χ^2/NDF:2111285013.9/18

Out: 130300.127+/-0.052 χ^2/NDF:2119839194.4/2

All: 130190.941+/-0.038 χ^2/NDF: 424057455

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 161.891+/-0.069 χ^2/NDF:8280.1/3

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 166.522+/-0.073 χ^2/NDF:3843.6/2

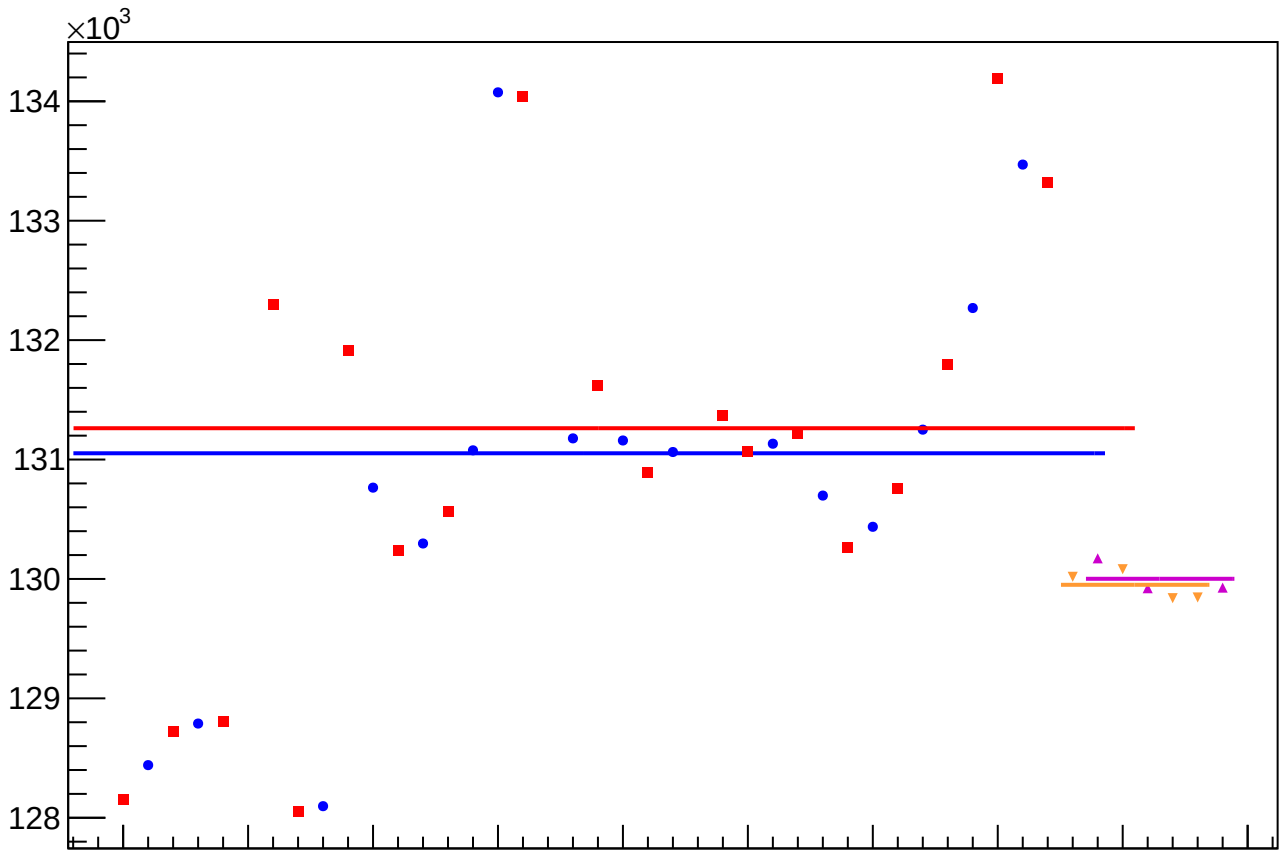
Left: 164.069+/-0.050 χ^2/NDF: 14241.8/6

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 166.366+/-0.039 χ^2/NDF:941797.6/18

Out: 157.915+/-0.037 χ^2/NDF:1185755.1/22

All: 161.849+/-0.027 χ^2/NDF: 2152090.2/41



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129950.989+/-0.093 χ^2/NDF:1268683.8/3

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 130001.333+/-0.100 χ^2/NDF:1302224.8/2

Left: 129974.377+/-0.068 χ^2/NDF: 2706074.3/6

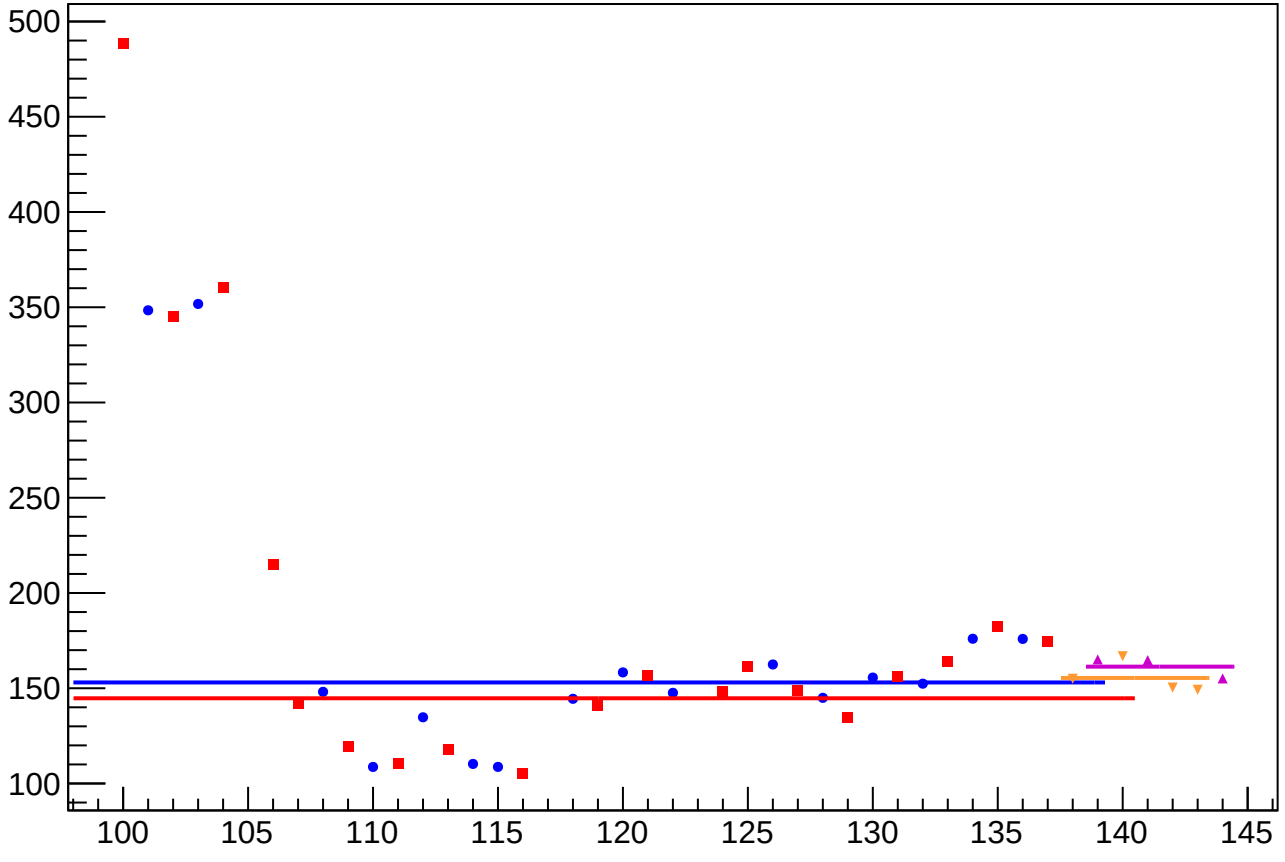
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130770.650+/-0.052 χ^2/NDF:605555468.2/18

Out: 130909.087+/-0.048 χ^2/NDF:749764866.2/22

All: 130844.614+/-0.035 χ^2/NDF: 13591247

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 155.407+/-0.066 χ^2/NDF:11209.6/3

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 161.336+/-0.071 χ^2/NDF:4432.4/2

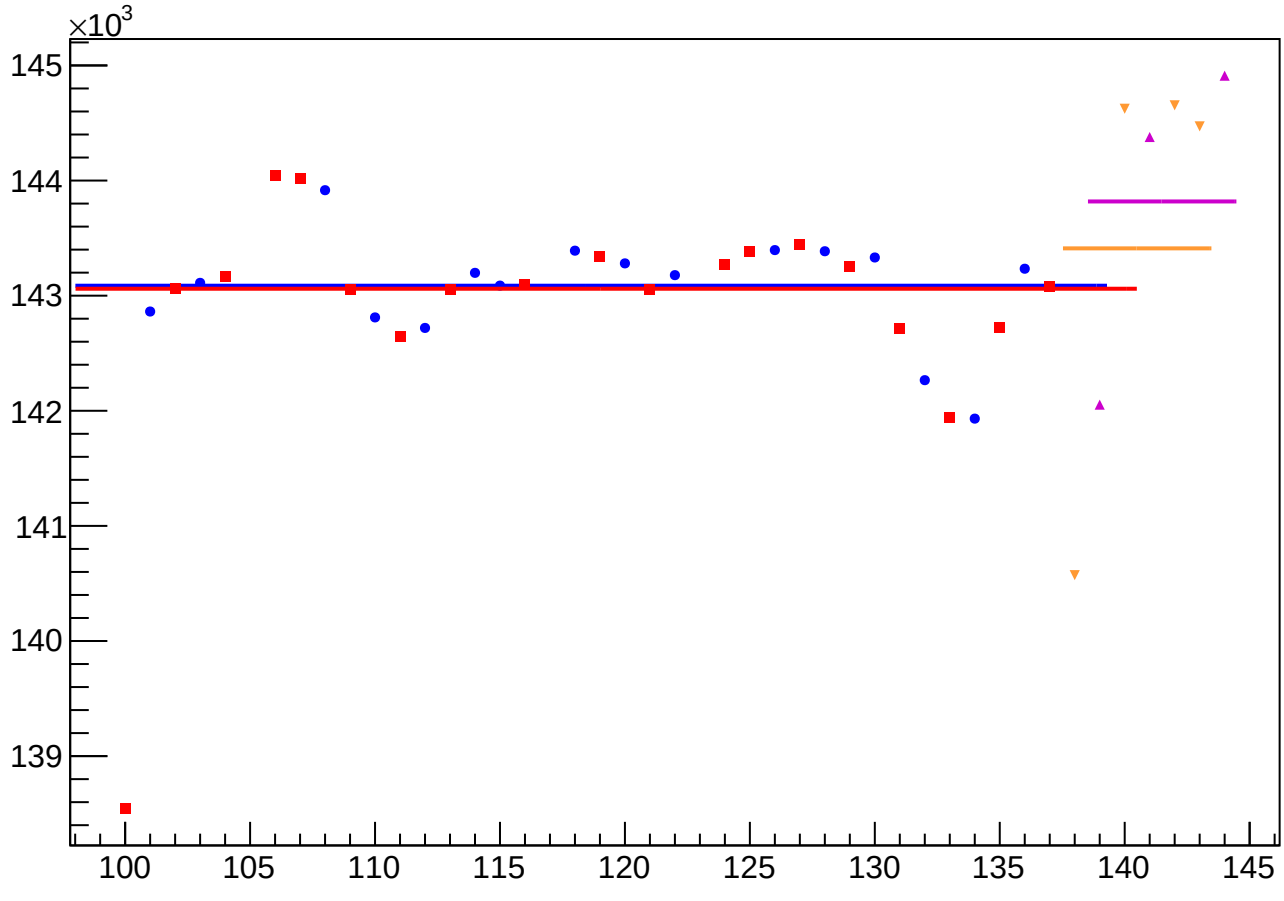
Left: 158.161+/-0.048 χ^2/NDF: 19391.8/6

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 155.266+/-0.037 χ^2/NDF:1073931.0/18

Out: 147.606+/-0.034 χ^2/NDF:1293754.1/22

All: 151.173+/-0.025 χ^2/NDF: 2390979.9/41



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143410.933+/-0.112 χ^2/NDF:263584213.1/3

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 143818.466+/-0.117 χ^2/NDF:111210208.0/2

Left: 143604.313+/-0.081 χ^2/NDF: 381123913.8/6

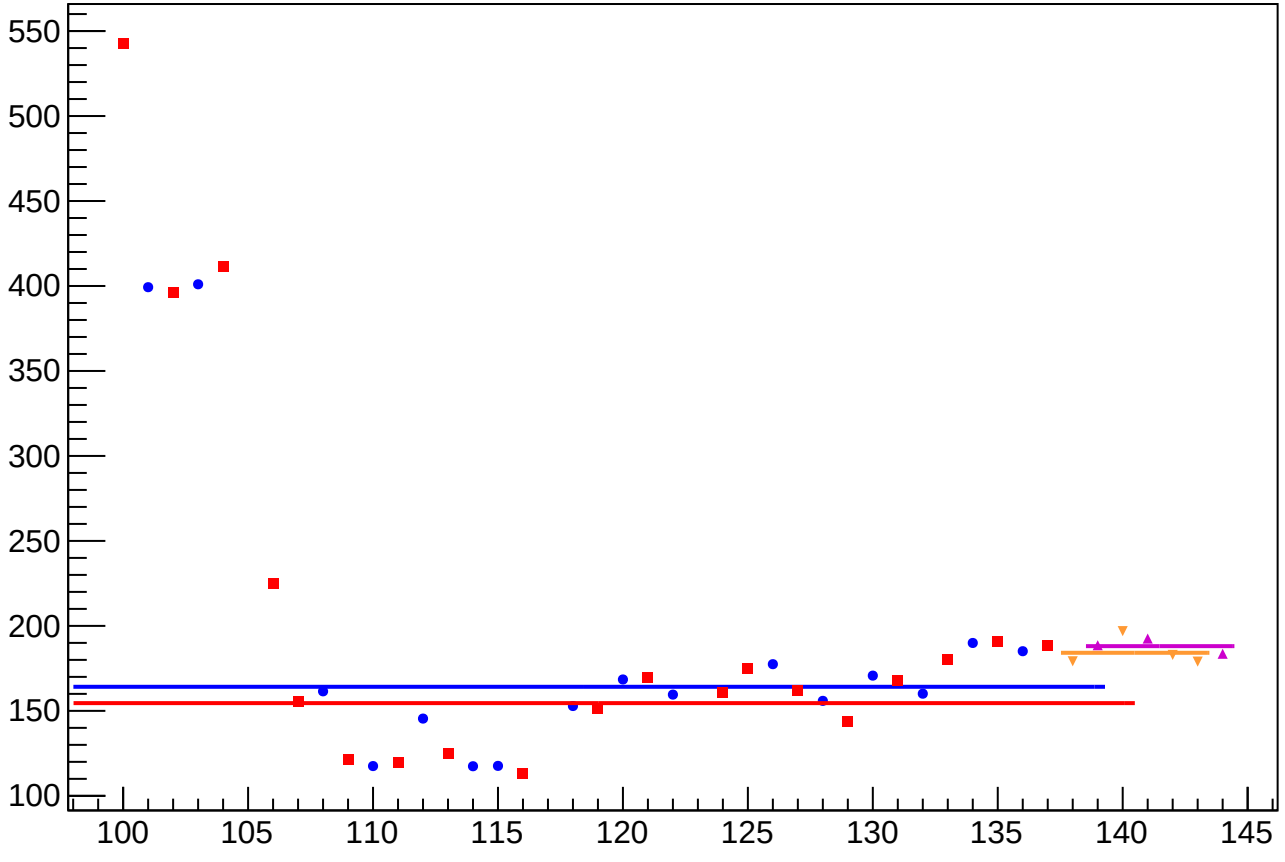
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143258.499+/-0.057 χ^2/NDF:187663366.5/18

Out: 143140.250+/-0.053 χ^2/NDF:322923343.4/22

All: 143195.481+/-0.039 χ^2/NDF: 51288637

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 184.173+/-0.079 χ^2/NDF:9089.3/3

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 188.081+/-0.083 χ^2/NDF:1977.5/2

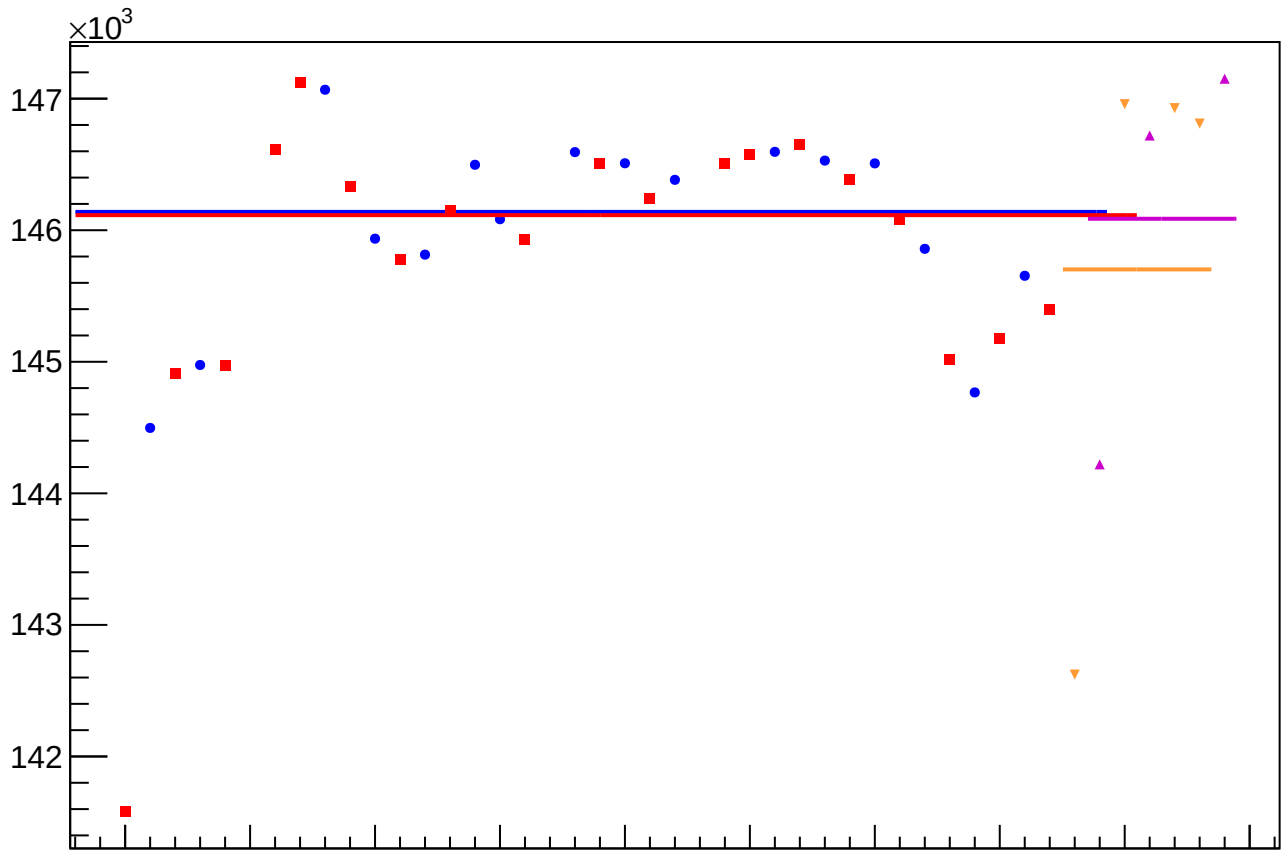
Left: 186.028+/-0.057 χ^2/NDF: 12230.8/6

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 169.787+/-0.040 χ^2/NDF:1195201.4/18

Out: 161.313+/-0.038 χ^2/NDF:1484670.7/22

All: 165.271+/-0.028 χ^2/NDF: 2703491.3/41



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145702.202+/-0.109 χ^2/NDF:306209020.3/3

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146087.071+/-0.116 χ^2/NDF:122268391.0/2

Left: 145882.864+/-0.080 χ^2/NDF: 434303781.1/6

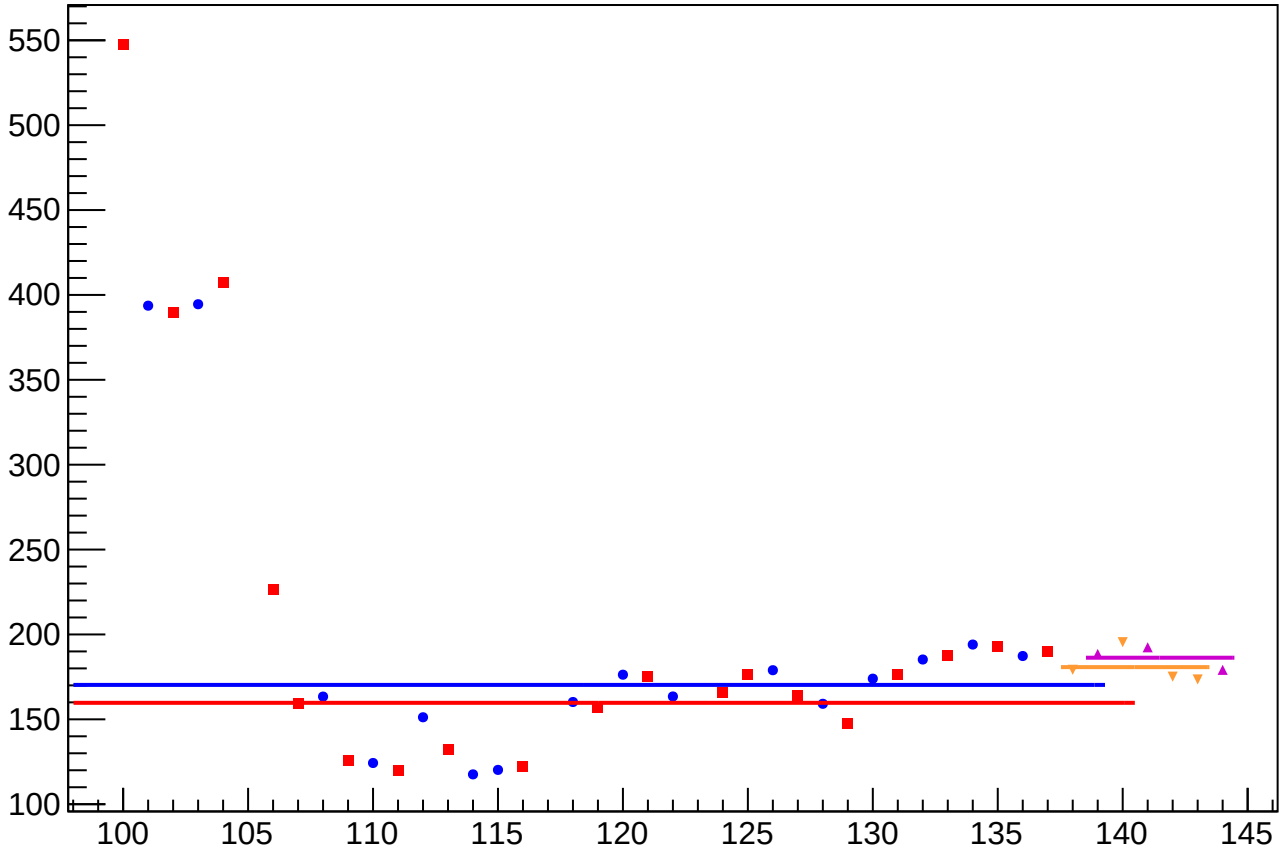
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146126.098+/-0.058 χ^2/NDF:194141159.9/18

Out: 146012.844+/-0.054 χ^2/NDF:390042203.9/22

All: 146065.396+/-0.040 χ^2/NDF: 58620672

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 180.749+/-0.077 χ^2/NDF:12634.9/3

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 186.290+/-0.082 χ^2/NDF:4782.7/2

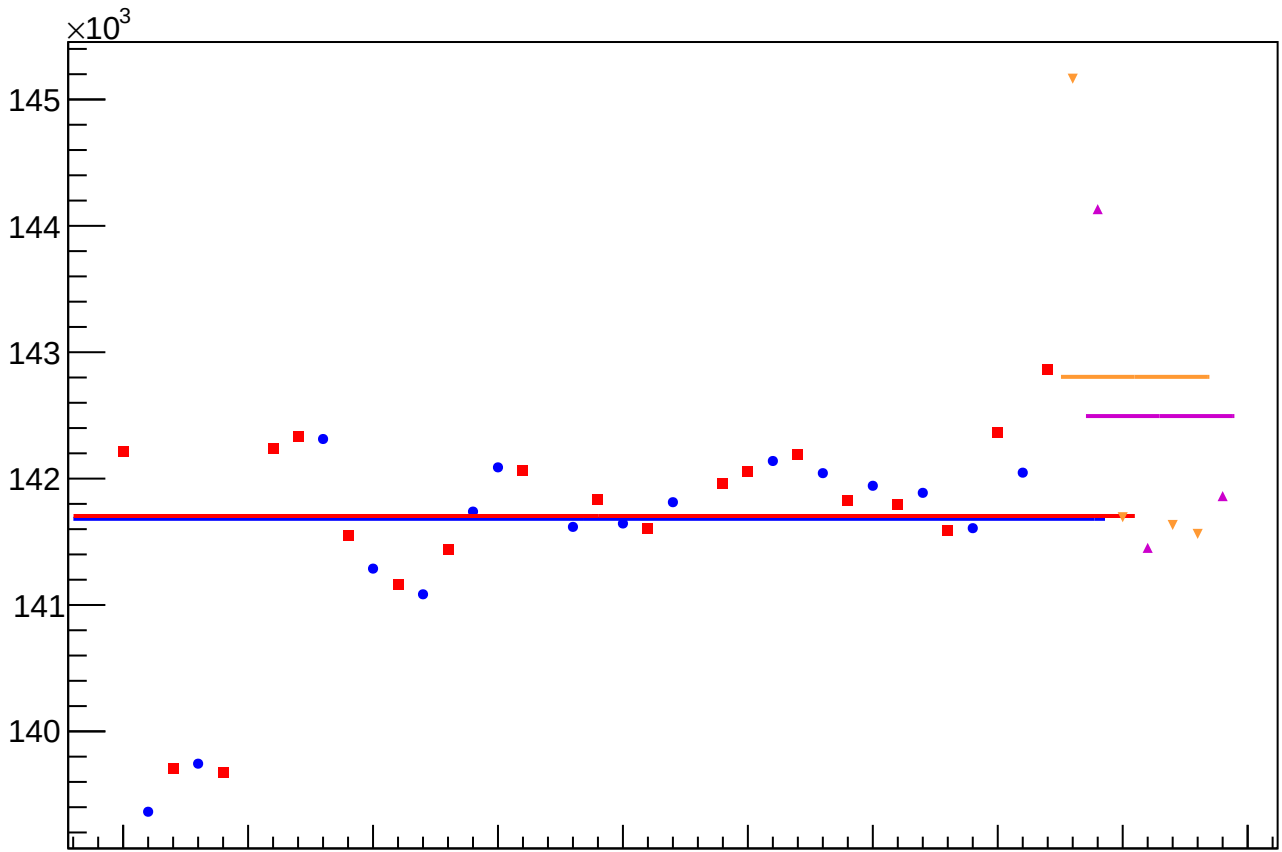
Left: 183.350+/-0.056 χ^2/NDF: 19832.9/6

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 174.312+/-0.041 χ^2/NDF:1090847.9/18

Out: 164.906+/-0.038 χ^2/NDF:1359746.6/22

All: 169.270+/-0.028 χ^2/NDF: 2478503.4/41



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142805.180+/-0.123 χ^2/NDF:182720595.3/3

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142494.914+/-0.129 χ^2/NDF:83501539.8/2

Left: 142657.319+/-0.089 χ^2/NDF: 269246741.7/6

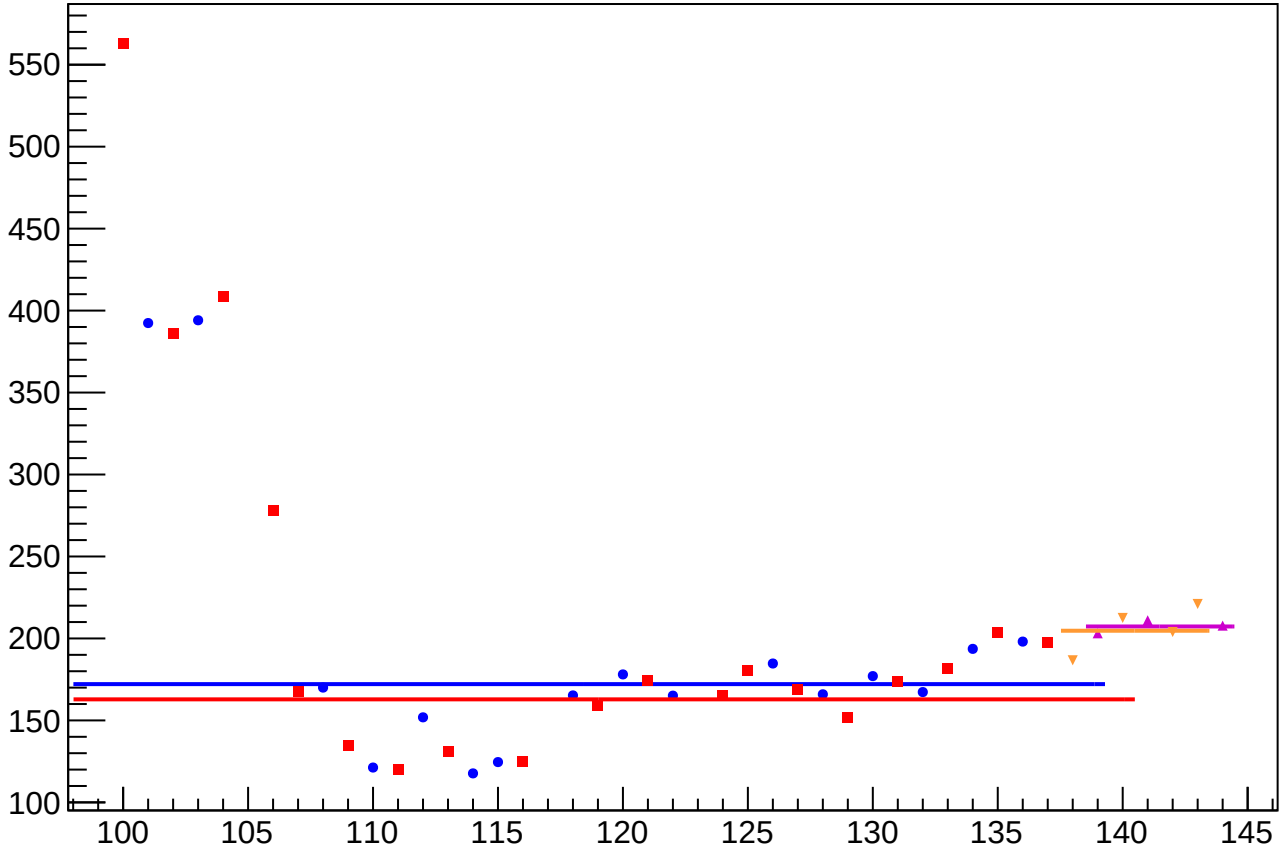
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141859.588+/-0.060 χ^2/NDF:178801487.8/18

Out: 141937.099+/-0.057 χ^2/NDF:311259958.9/22

All: 141900.794+/-0.041 χ^2/NDF: 490938439

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 204.703+/-0.087 χ^2/NDF:25079.1/3

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 207.301+/-0.091 χ^2/NDF:1261.1/2

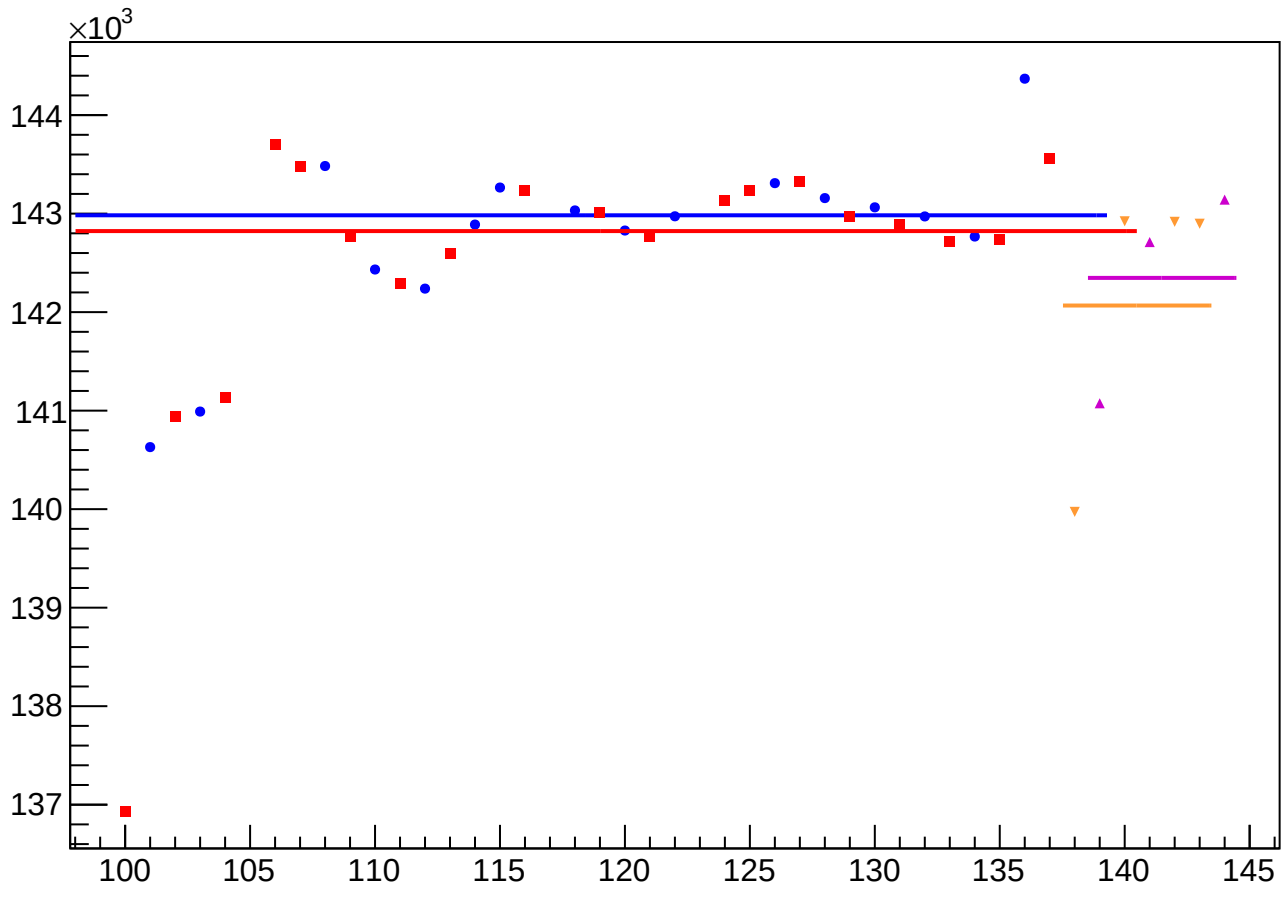
Left: 205.941+/-0.063 χ^2/NDF: 26764.6/6

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 179.826+/-0.043 χ^2/NDF:1185832.7/18

Out: 171.700+/-0.040 χ^2/NDF:1513090.1/22

All: 175.506+/-0.029 χ^2/NDF: 2718200.5/41



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142067.080+/-0.106 χ^2/NDF:157419013.0/3

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142347.566+/-0.113 χ^2/NDF:61979134.5/2

Left: 142198.721+/-0.077 χ^2/NDF: 222688511.7/6

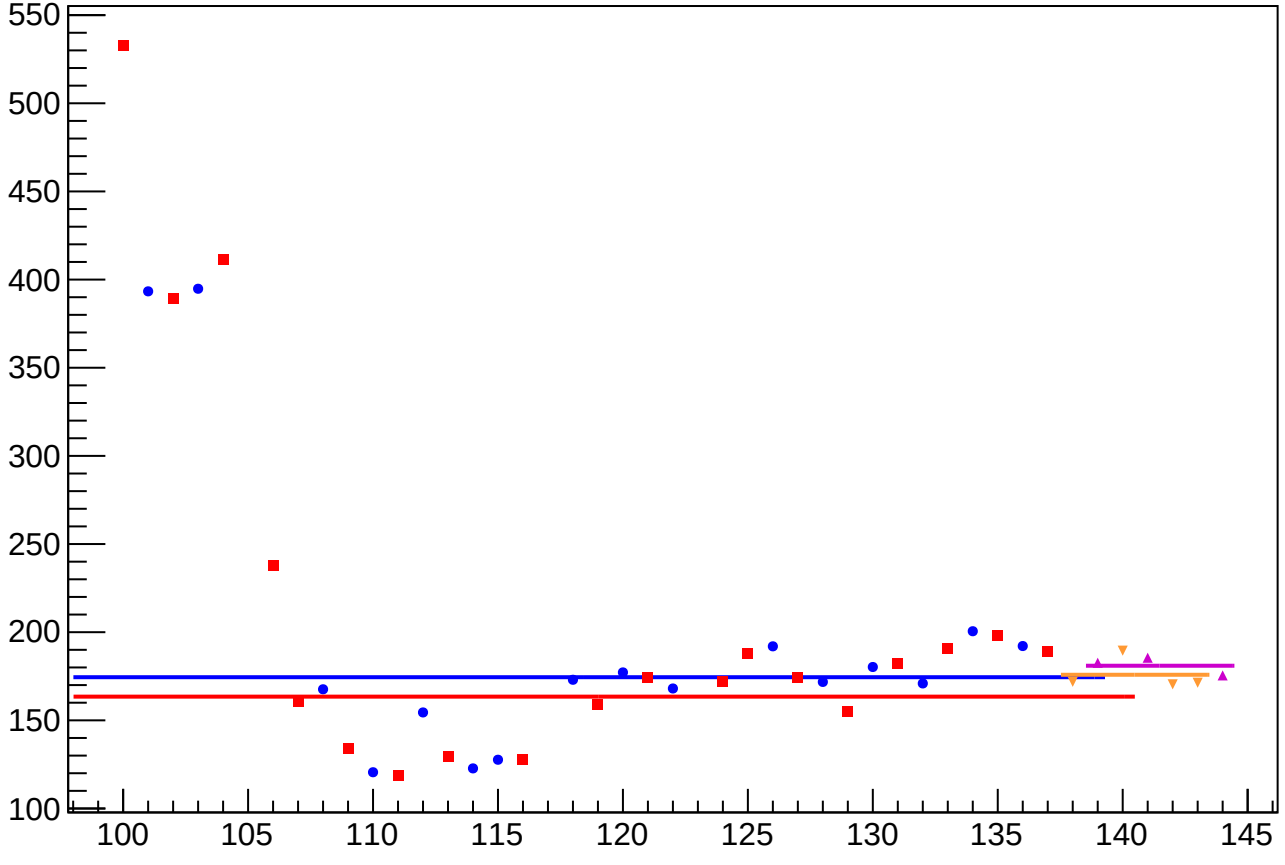
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142809.224+/-0.059 χ^2/NDF:192795609.4/18

Out: 142620.516+/-0.055 χ^2/NDF:258267478.3/22

All: 142708.061+/-0.040 χ^2/NDF: 45656451

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 175.850+/-0.075 χ^2/NDF:11045.9/3

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 180.972+/-0.080 χ^2/NDF:2905.1/2

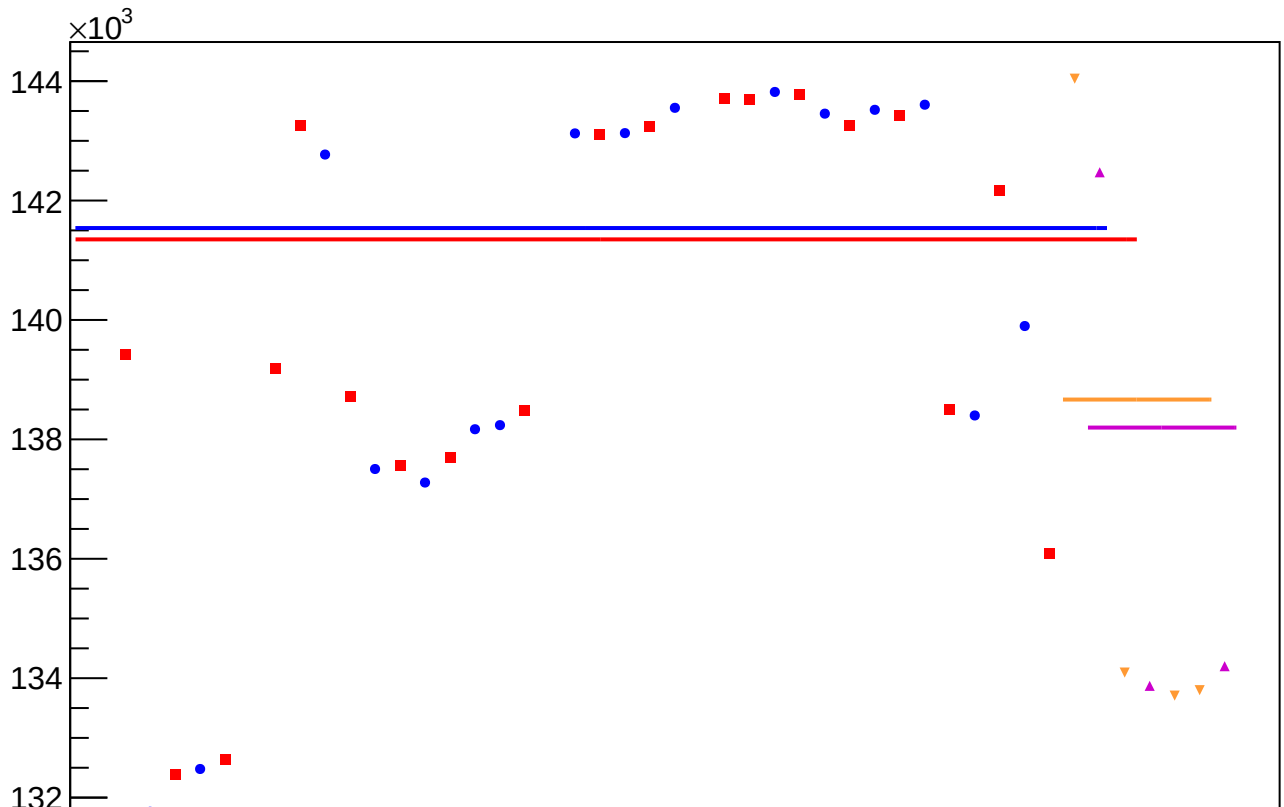
Left: 178.254+/-0.055 χ^2/NDF: 16146.0/6

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 176.246+/-0.042 χ^2/NDF:1056878.0/18

Out: 166.767+/-0.039 χ^2/NDF:1313615.1/22

All: 171.164+/-0.028 χ^2/NDF: 2398256.6/41



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138666.920+/-0.166 χ^2/NDF:931981699.0/3

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138197.544+/-0.176 χ^2/NDF:576065245.9/2

Left: 138445.668+/-0.121 χ^2/NDF: 1511815349.8/6

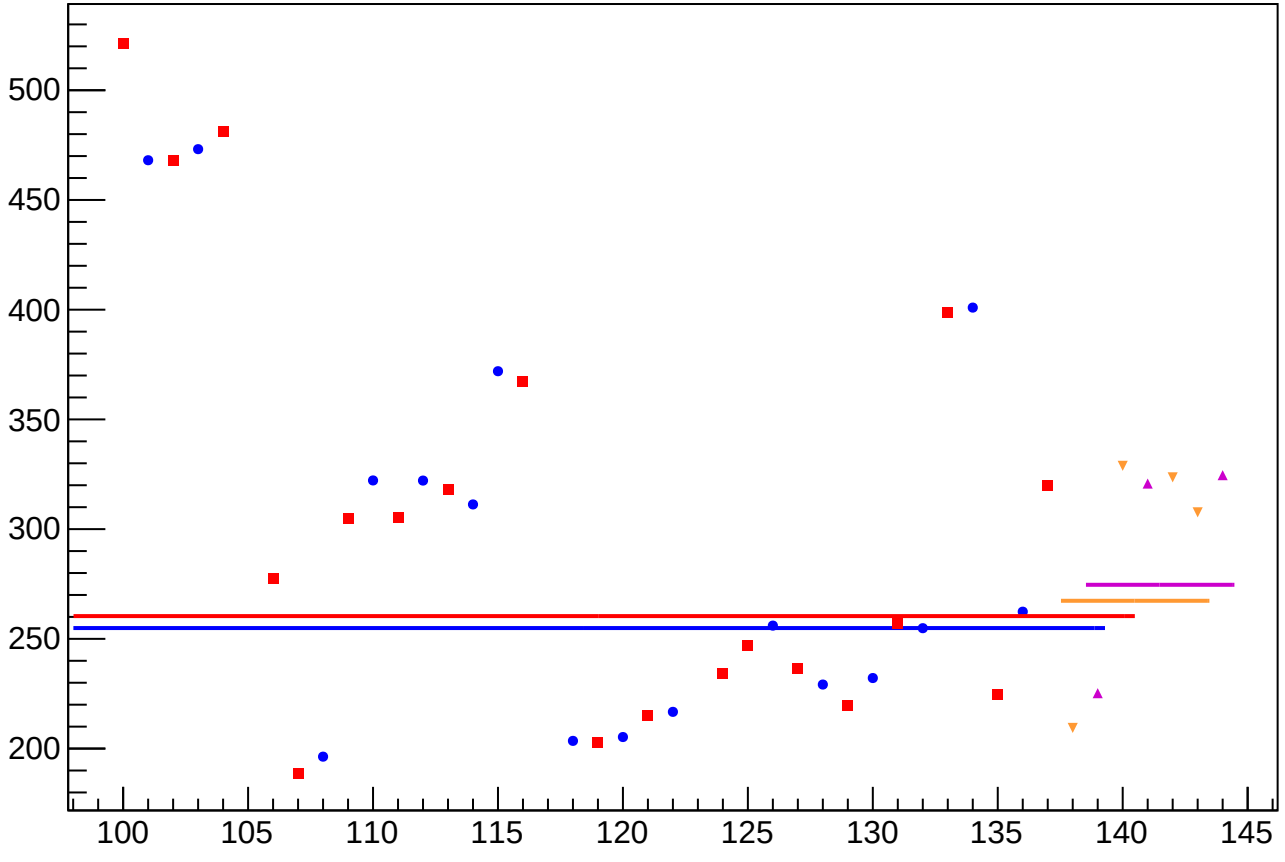
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140712.467+/-0.087 χ^2/NDF:1795759376.9/18

Out: 140624.200+/-0.086 χ^2/NDF:2049170046.9/2

All: 140667.758+/-0.061 χ^2/NDF: 384544542

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 267.349+/-0.117 χ^2/NDF:220153.4/3

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 274.633+/-0.124 χ^2/NDF:153721.5/2

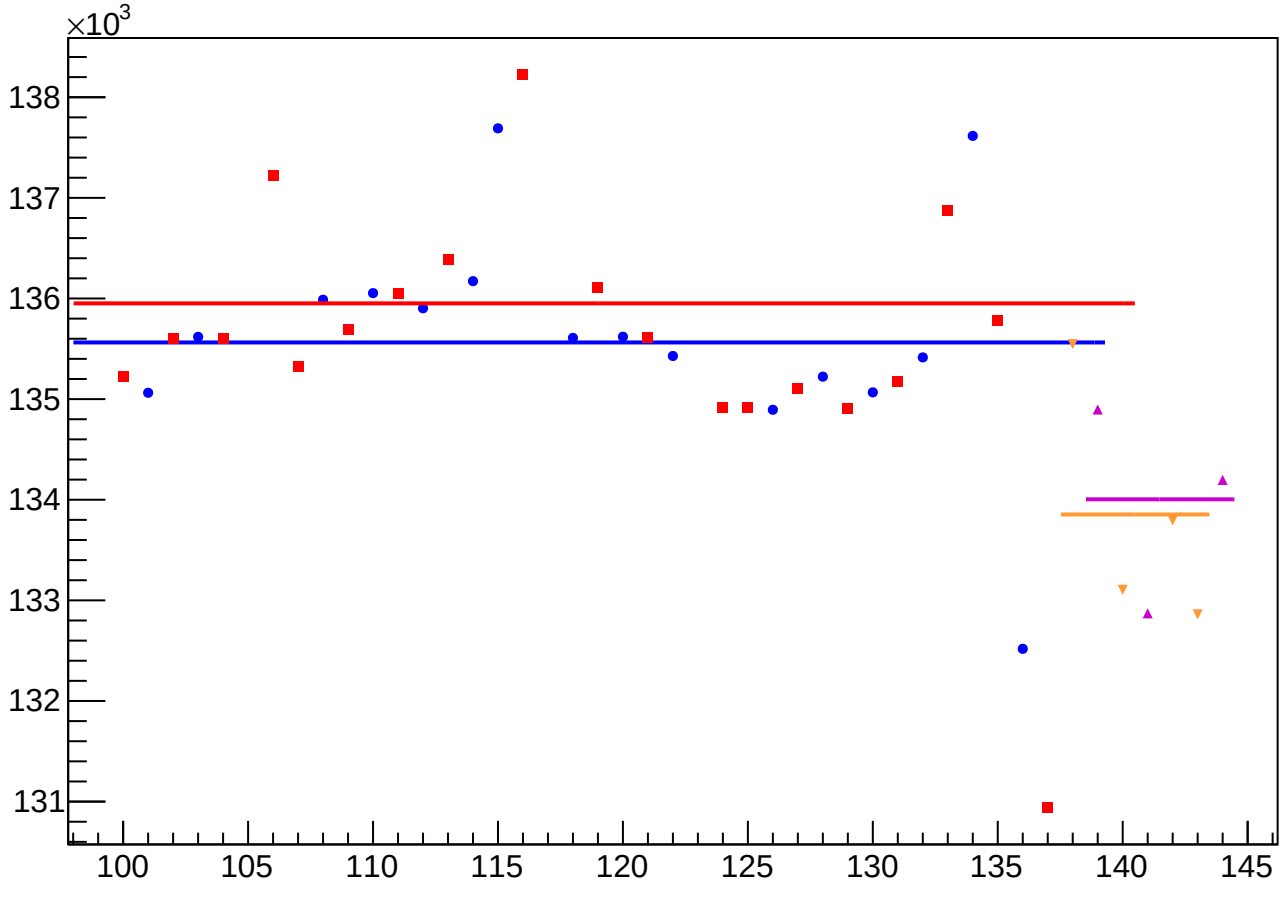
Left: 270.783+/-0.085 χ^2/NDF: 375689.8/6

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 259.798+/-0.062 χ^2/NDF:1122600.4/18

Out: 262.256+/-0.061 χ^2/NDF:1216034.4/22

All: 261.043+/-0.043 χ^2/NDF: 2339435.4/41



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133853.592+/-0.114 χ^2/NDF:97375396.8/3

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134004.164+/-0.119 χ^2/NDF:47571913.9/2

Left: 133925.361+/-0.082 χ^2/NDF: 145779925.8/6

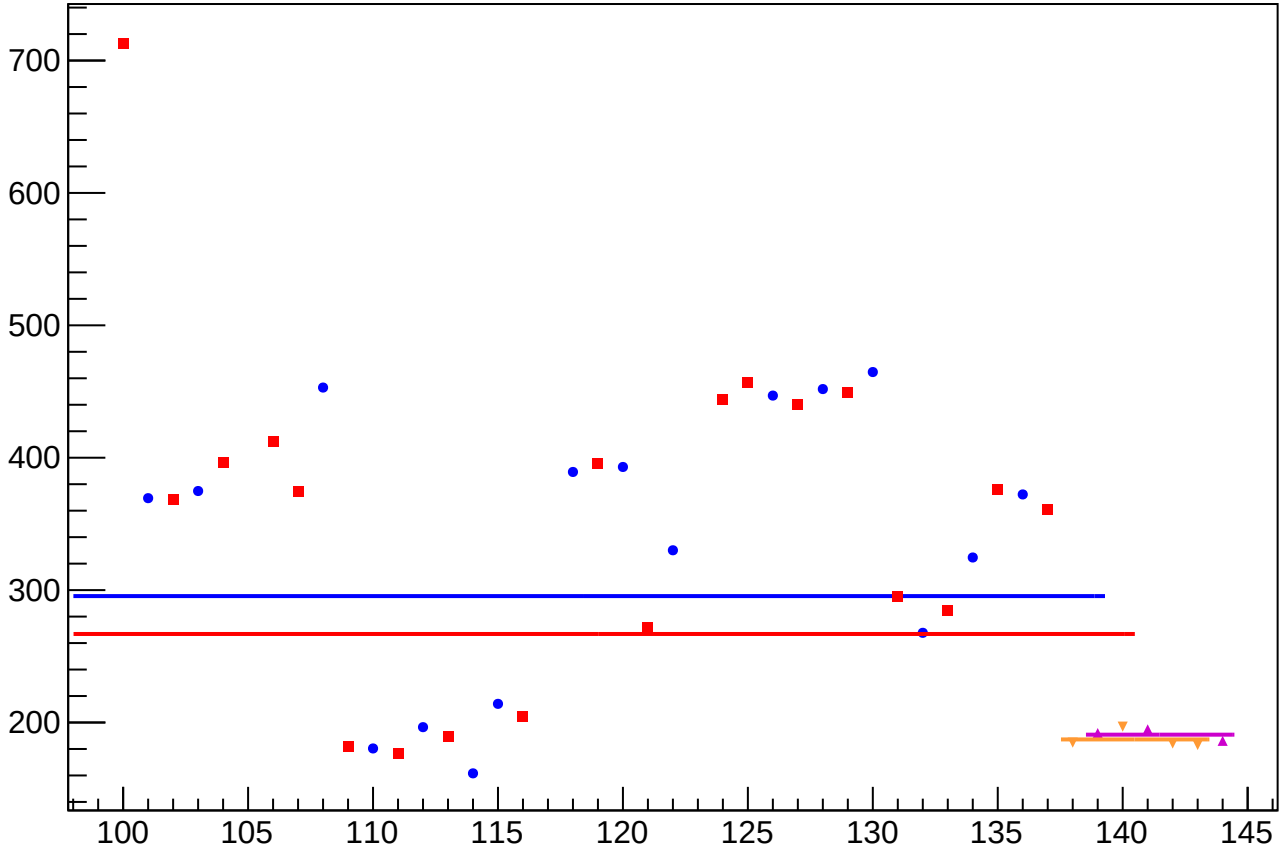
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134790.327+/-0.084 χ^2/NDF:227738229.8/18

Out: 134974.554+/-0.078 χ^2/NDF:370145540.7/22

All: 134889.610+/-0.057 χ^2/NDF: 600473022

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 187.210+/-0.081 χ^2/NDF:4975.3/3

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 190.808+/-0.084 χ^2/NDF:1885.1/2

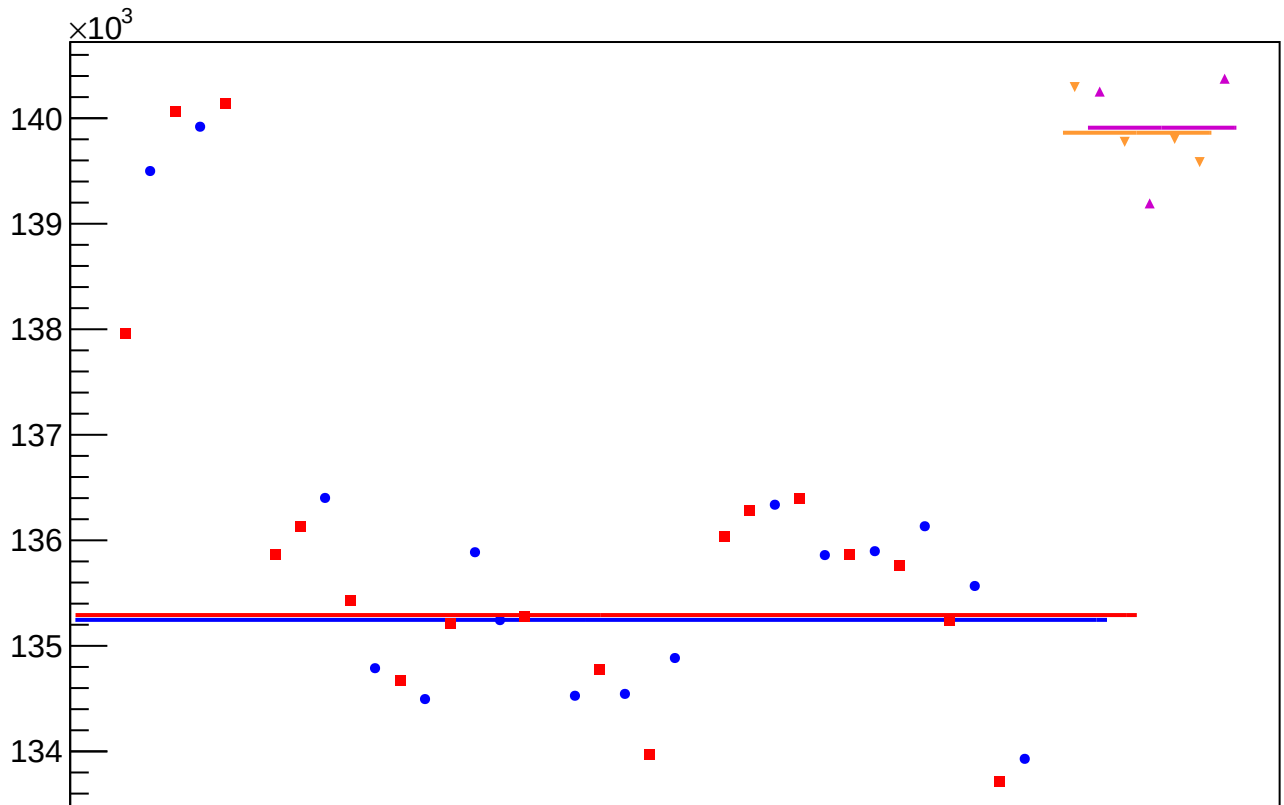
Left: 188.925+/-0.058 χ^2/NDF: 7811.5/6

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 243.596+/-0.059 χ^2/NDF:2219854.9/18

Out: 229.771+/-0.055 χ^2/NDF:2205467.0/22

All: 236.145+/-0.040 χ^2/NDF: 4454481.7/41



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139862.434+/-0.105 χ^2/NDF:6999882.4/3

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 139910.060+/-0.115 χ^2/NDF:22307243.3/2

Left: 139884.203+/-0.077 χ^2/NDF: 29401019.4/6

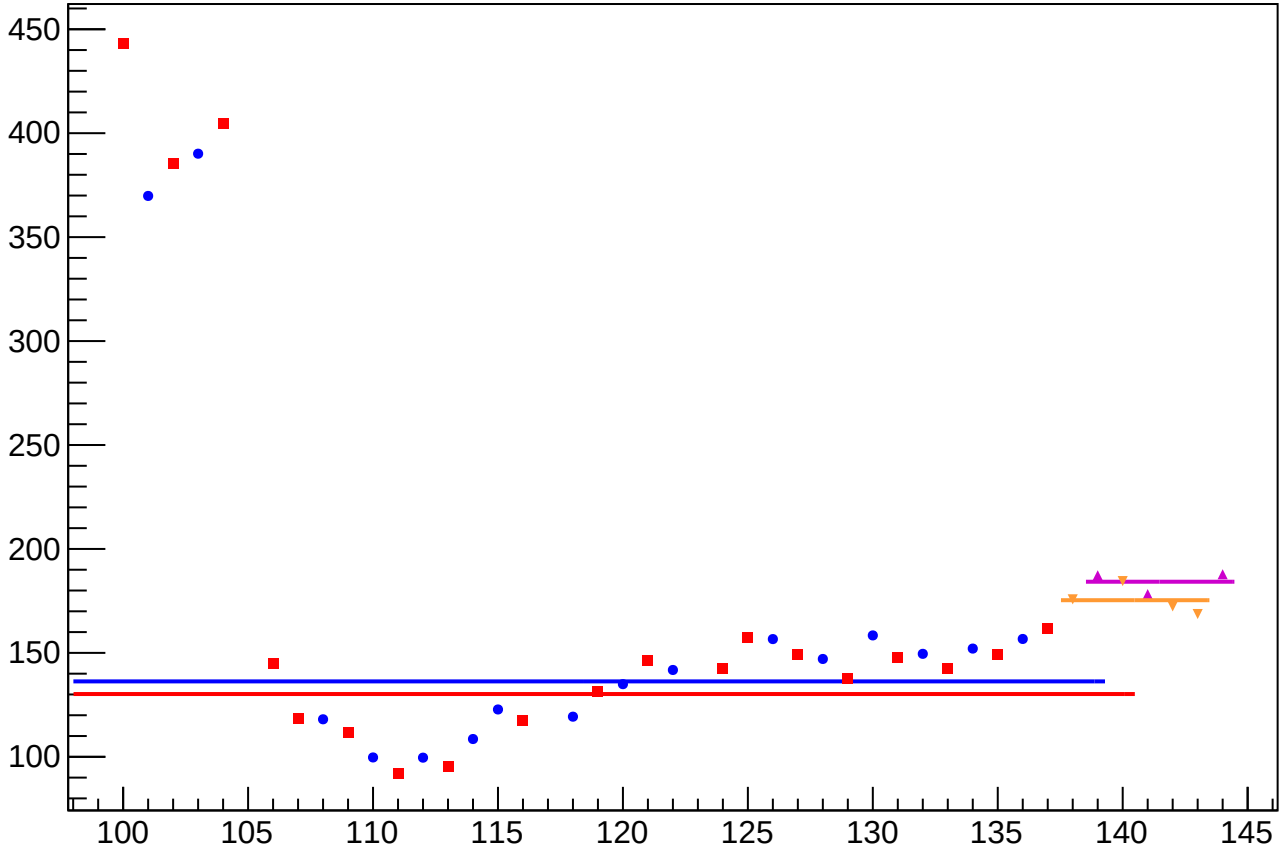
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136113.187+/-0.049 χ^2/NDF:1760886185.6/18

Out: 136184.005+/-0.046 χ^2/NDF:1911411024.2/2

All: 136150.774+/-0.034 χ^2/NDF: 36733891

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 175.342+/-0.074 χ^2/NDF:6745.0/3

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 184.229+/-0.081 χ^2/NDF:3049.1/2

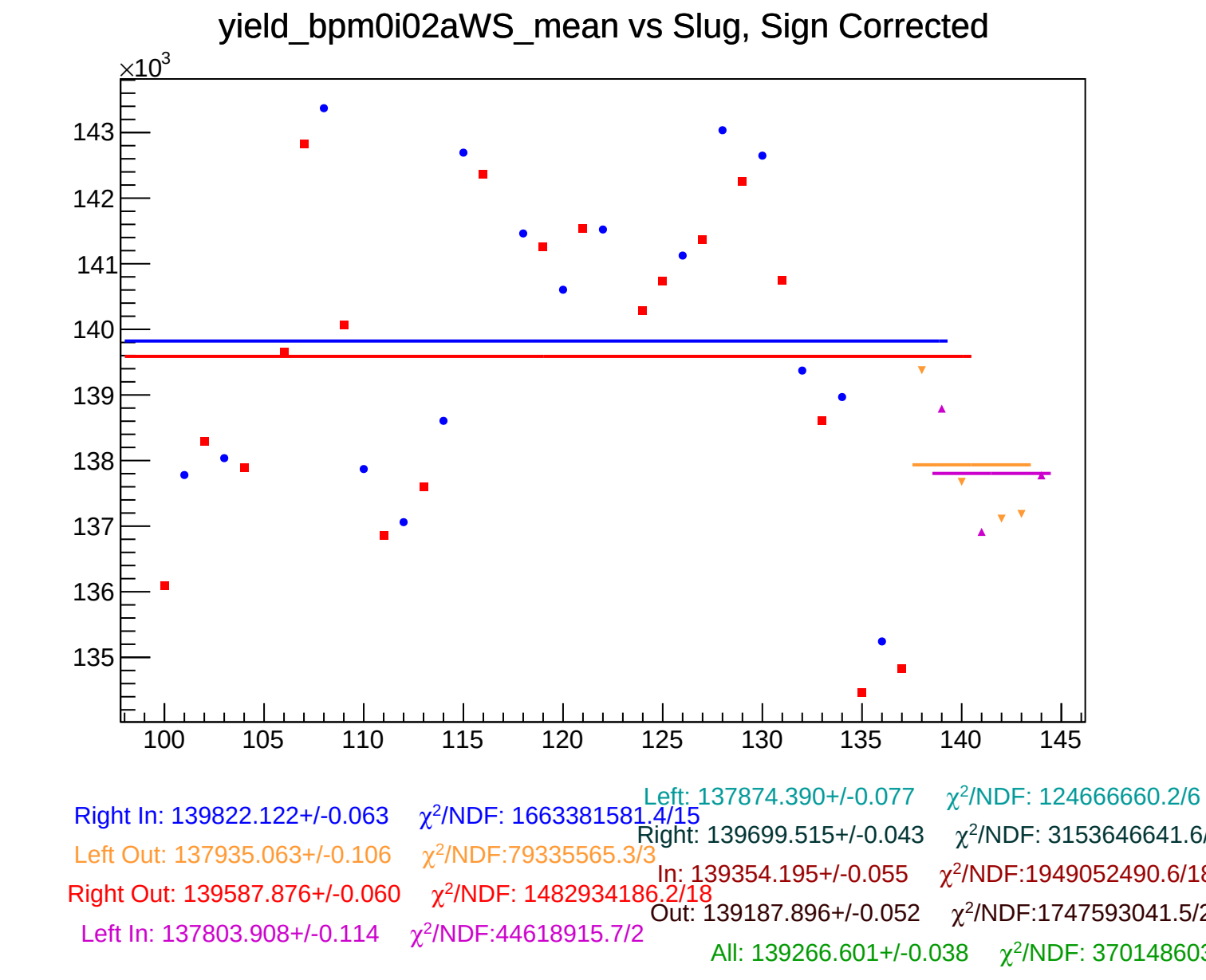
Left: 179.404+/-0.055 χ^2/NDF: 16332.9/6

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

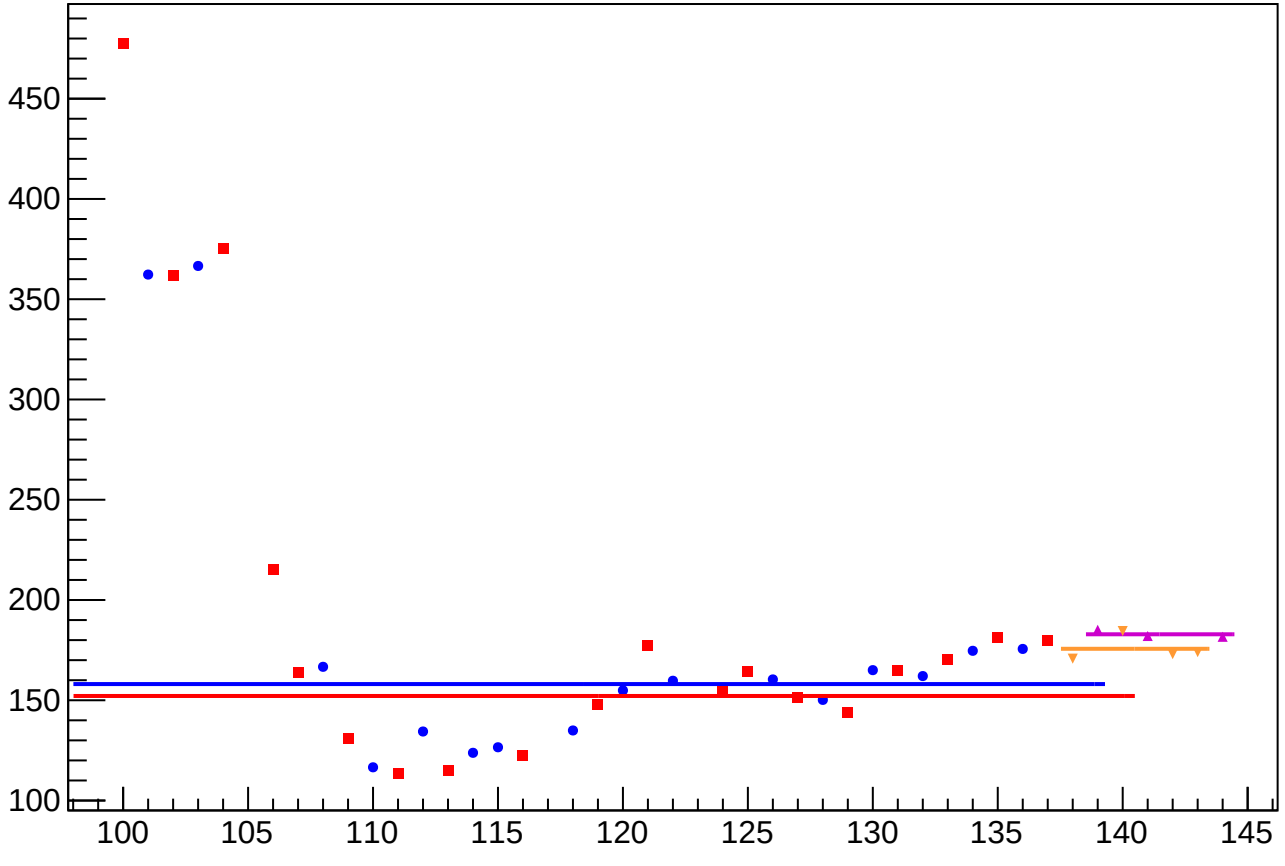
In: 145.197+/-0.035 χ^2/NDF:1672478.9/18

Out: 139.016+/-0.033 χ^2/NDF:1824562.9/22

All: 141.916+/-0.024 χ^2/NDF: 3513676.2/41


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
105
110
115
120
125
130
135
140
145
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137935.063+/-0.106 χ²/NDF:79335565.3/3
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 137803.908+/-0.114 χ²/NDF:44618915.7/2
Left: 137874.390+/-0.077 χ²/NDF: 124666660.2/6
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 139354.195+/-0.055 χ²/NDF:1949052490.6/18
Out: 139187.896+/-0.052 χ²/NDF:1747593041.5/2
All: 139266.601+/-0.038 χ²/NDF: 37014860

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 175.671+/-0.075 χ^2/NDF:5282.5/3

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 182.905+/-0.081 χ^2/NDF:365.7/2

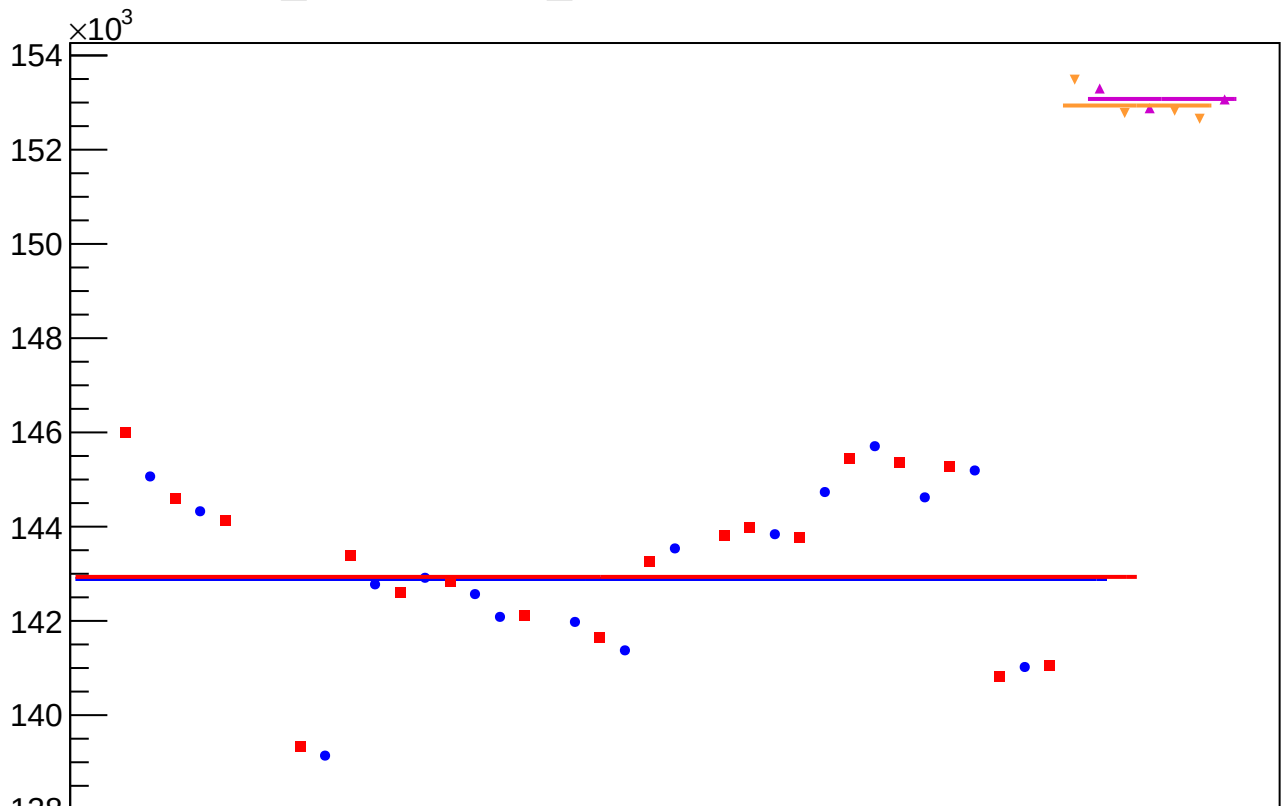
Left: 179.017+/-0.055 χ^2/NDF: 9981.3/6

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 163.835+/-0.039 χ^2/NDF:1091239.4/18

Out: 157.834+/-0.037 χ^2/NDF:1309467.1/22

All: 160.674+/-0.027 χ^2/NDF: 2413314.8/41



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 152937.414+/-0.109 χ^2/NDF:9490994.0/3

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153076.818+/-0.115 χ^2/NDF:2067146.7/2

Left: 153003.379+/-0.079 χ^2/NDF: 12327234.6/6

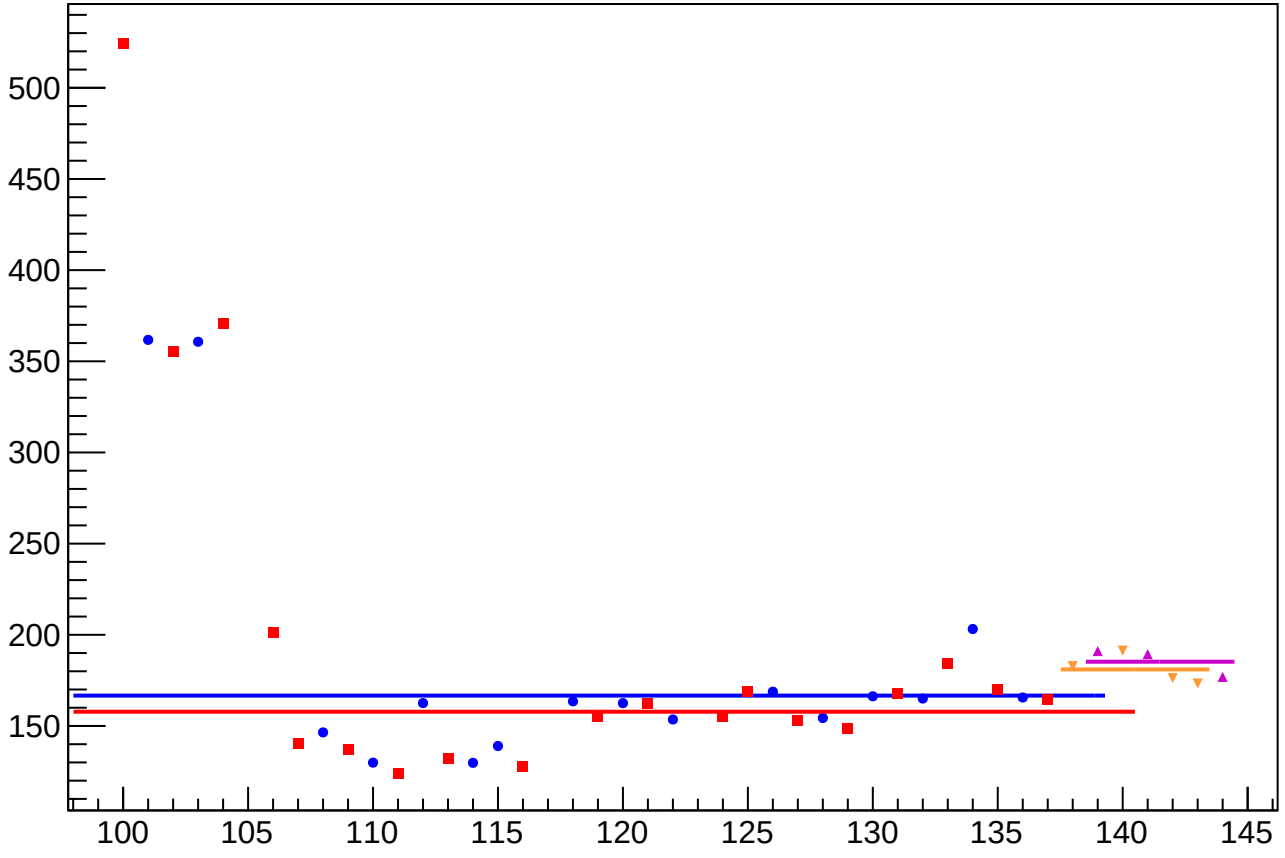
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145383.081+/-0.057 χ^2/NDF:6653519580.8/18

Out: 145340.067+/-0.054 χ^2/NDF:7153280922.0/2

All: 145360.233+/-0.039 χ^2/NDF: 13807102

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 180.998+/-0.077 χ^2/NDF:8459.9/3

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 185.237+/-0.082 χ^2/NDF:6301.6/2

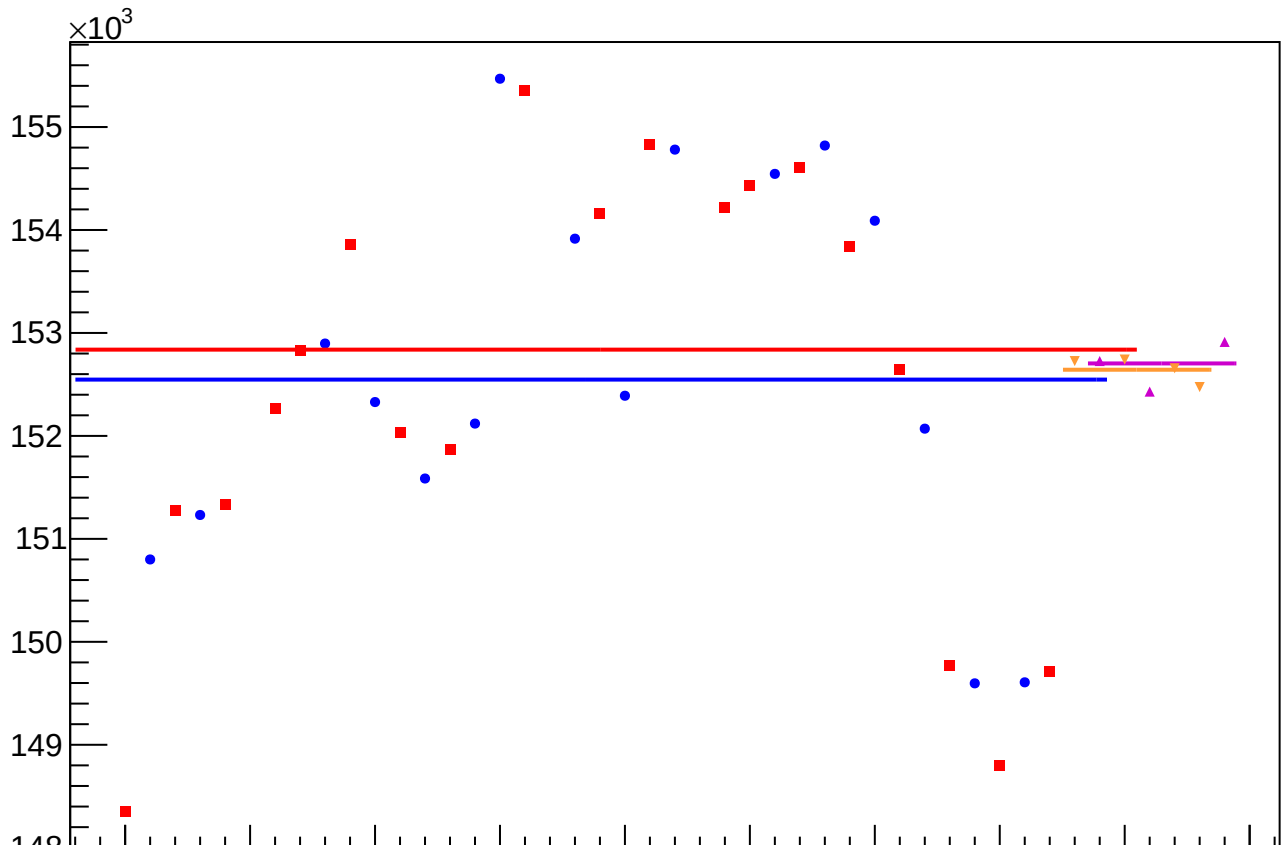
Left: 183.004+/-0.056 χ^2/NDF: 16184.0/6

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 171.205+/-0.040 χ^2/NDF:909051.3/18

Out: 163.387+/-0.038 χ^2/NDF:1099104.1/22

All: 167.052+/-0.028 χ^2/NDF: 2028082.8/41



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152703.879+/-0.115 χ^2/NDF:3014879.9/2

Left: 152671.010+/-0.079 χ^2/NDF: 4300732.6/6

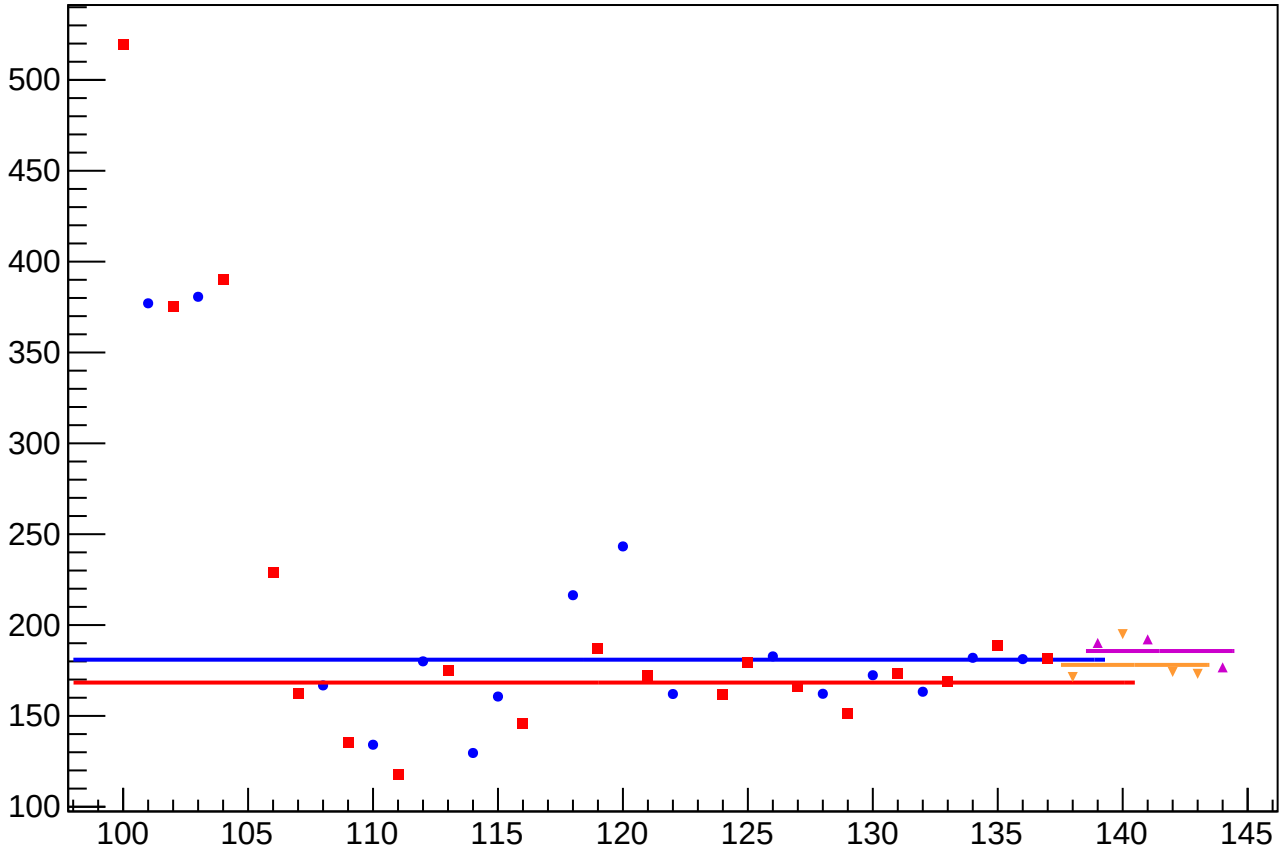
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152591.377+/-0.061 χ^2/NDF:658879574.8/18

Out: 152783.449+/-0.057 χ^2/NDF:740433480.6/22

All: 152695.317+/-0.042 χ^2/NDF: 14045959

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 185.715+/-0.082 χ^2/NDF:7433.7/2

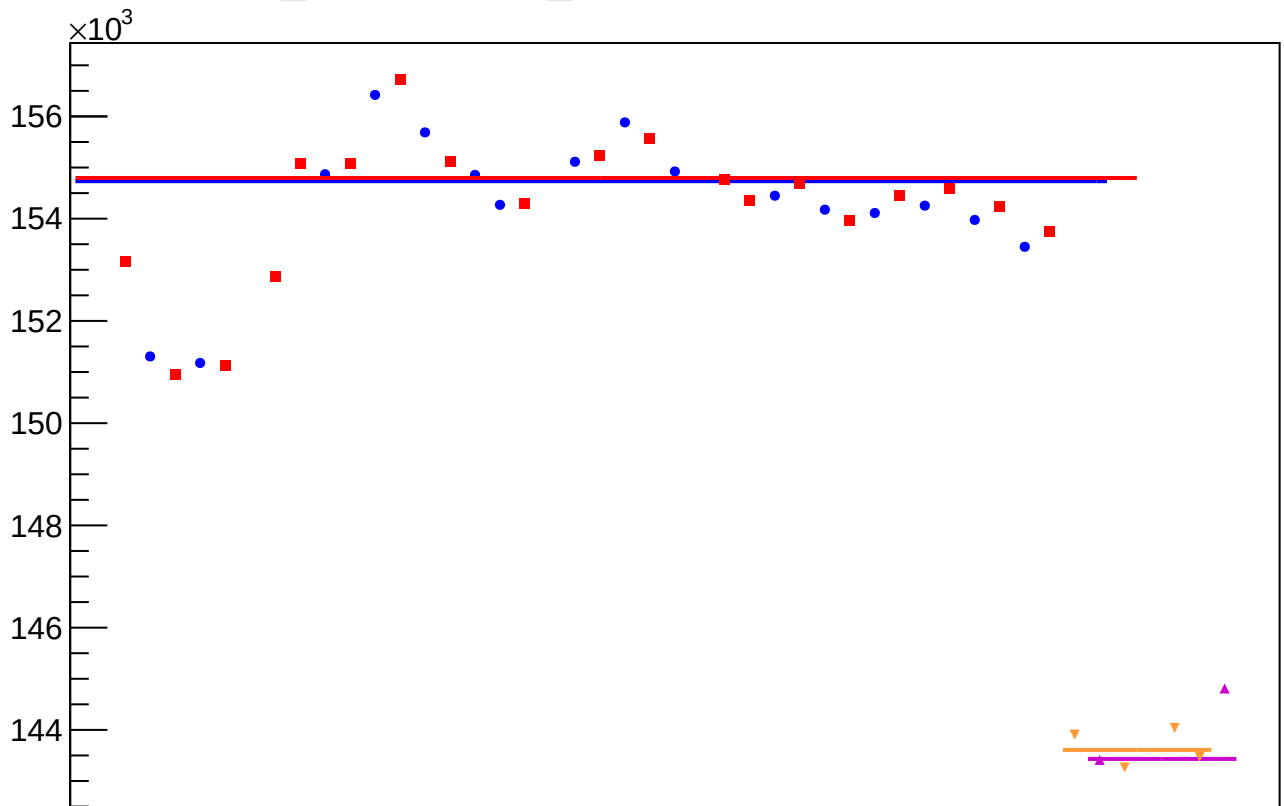
Left: 181.610+/-0.056 χ^2/NDF: 28163.0/6

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.292+/-0.043 χ^2/NDF:917643.4/18

Out: 171.062+/-0.040 χ^2/NDF:1116989.9/22

All: 176.215+/-0.029 χ^2/NDF: 2070753.5/41



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143608.753+/-0.102 χ^2/NDF:8625427.8/3

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143432.346+/-0.109 χ^2/NDF:84797060.9/2

Left: 143526.168+/-0.075 χ^2/NDF: 94809490.6/6

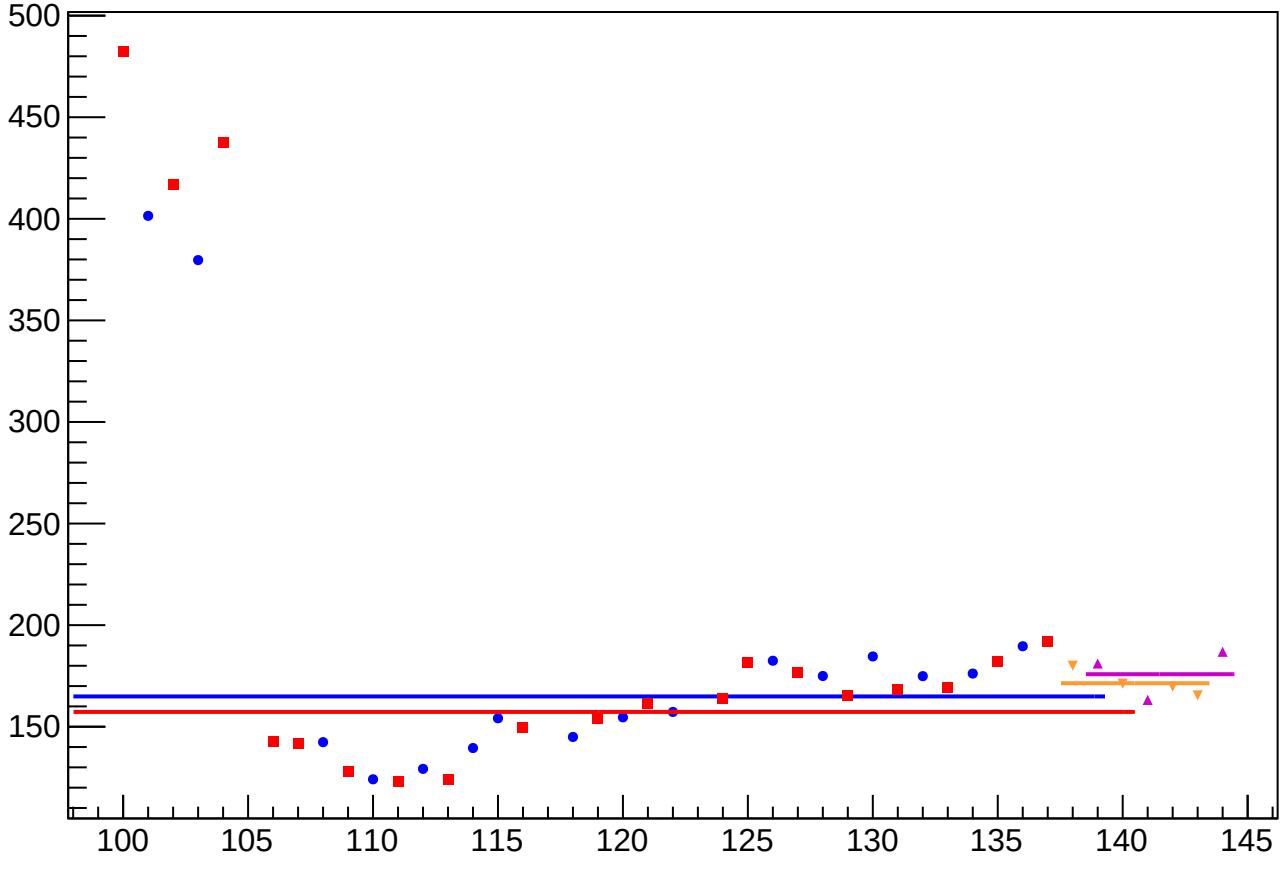
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 151765.097+/-0.056 χ^2/NDF:8250599220.9/18

Out: 151864.879+/-0.052 χ^2/NDF:9106067624.3/2

All: 151818.227+/-0.038 χ^2/NDF: 17358358

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 171.402+/-0.072 χ^2/NDF:5690.9/3

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 175.845+/-0.077 χ^2/NDF:18126.4/2

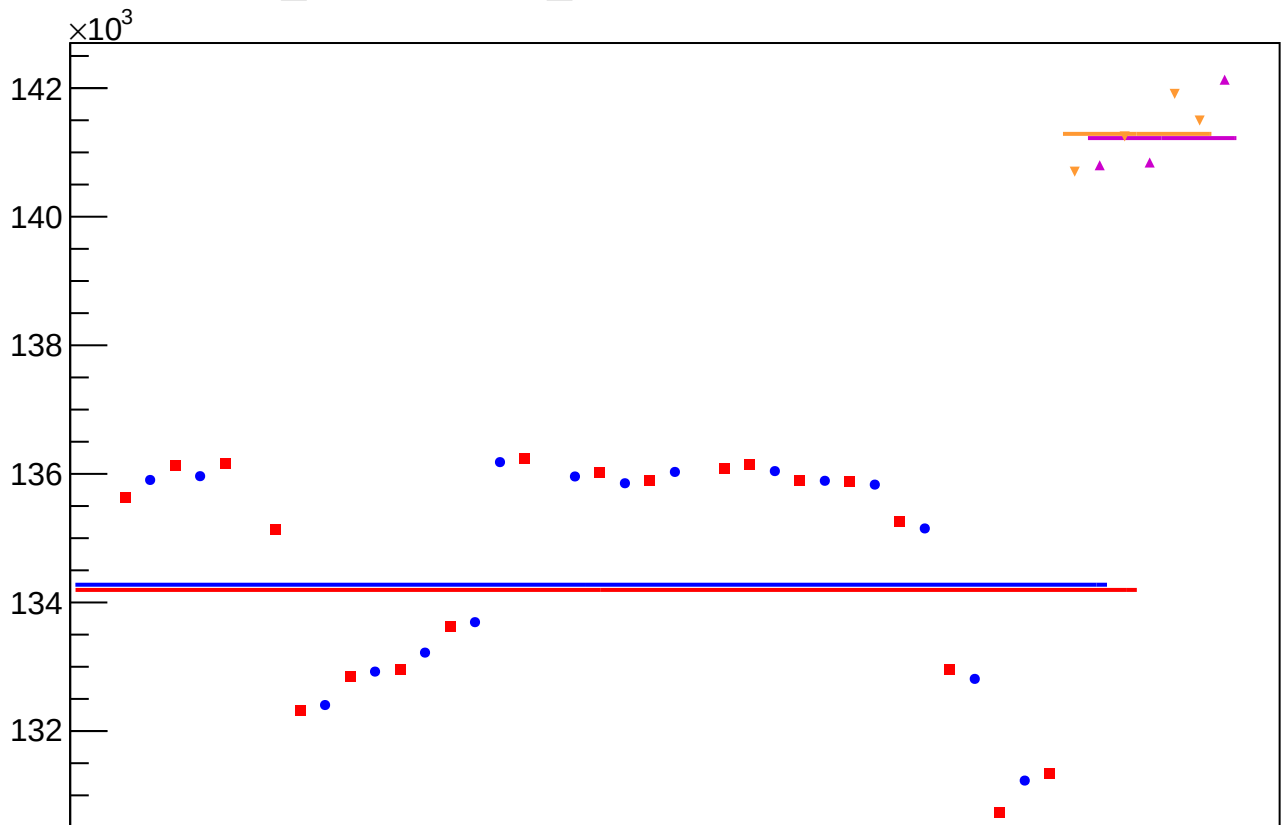
Left: 173.482+/-0.053 χ^2/NDF: 25577.2/6

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 167.779+/-0.040 χ^2/NDF:1105644.1/18

Out: 160.982+/-0.037 χ^2/NDF:1288533.5/22

All: 164.160+/-0.027 χ^2/NDF: 2409876.6/41



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141288.436+/-0.100 χ^2/NDF:15973185.5/3

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 141222.620+/-0.107 χ^2/NDF:31911465.7/2

Left: 141257.609+/-0.073 χ^2/NDF: 48087607.1/6

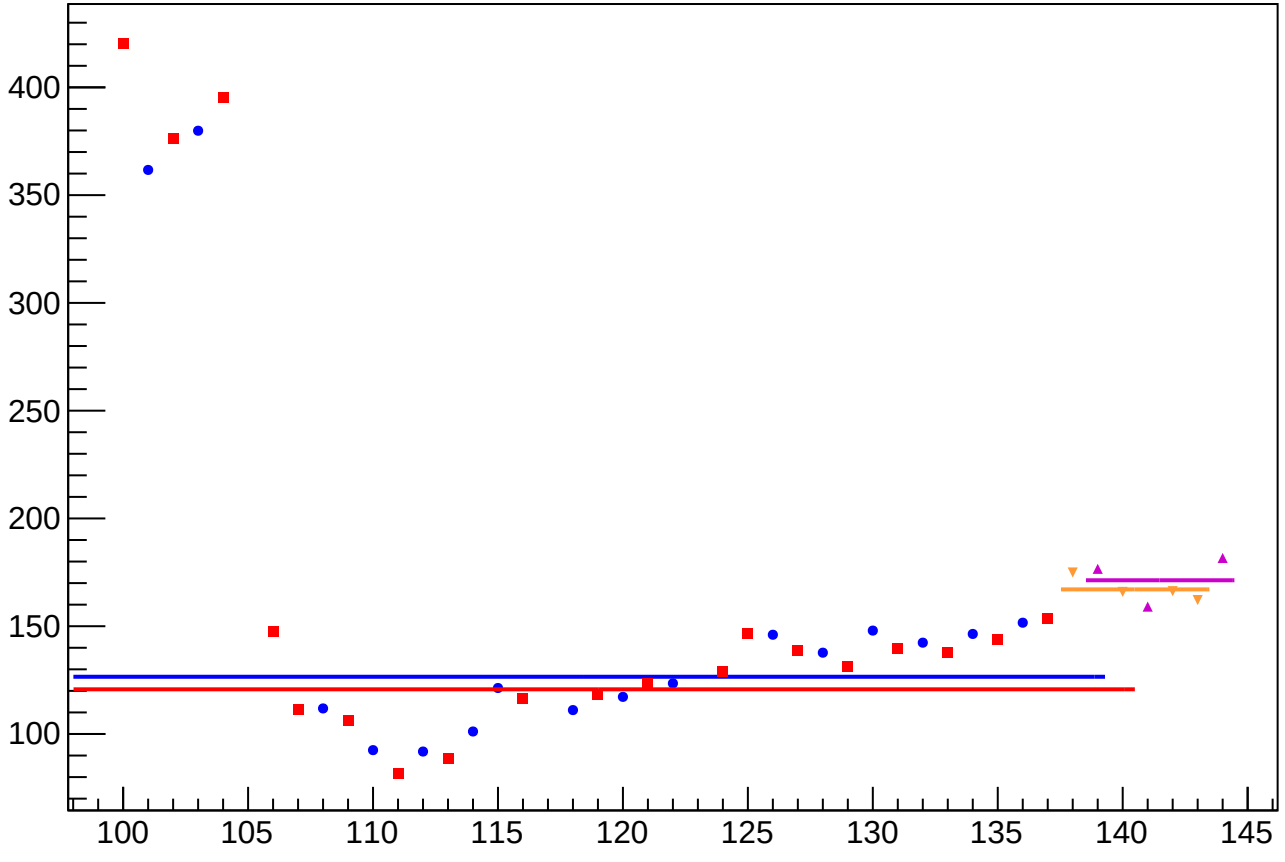
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 135564.337+/-0.046 χ^2/NDF:4638990152.0/18

Out: 135522.682+/-0.043 χ^2/NDF:5312558320.2/2

All: 135542.287+/-0.031 χ^2/NDF: 995198499

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 167.080+/-0.071 χ^2/NDF:4653.9/3

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 171.317+/-0.075 χ^2/NDF:17572.1/2

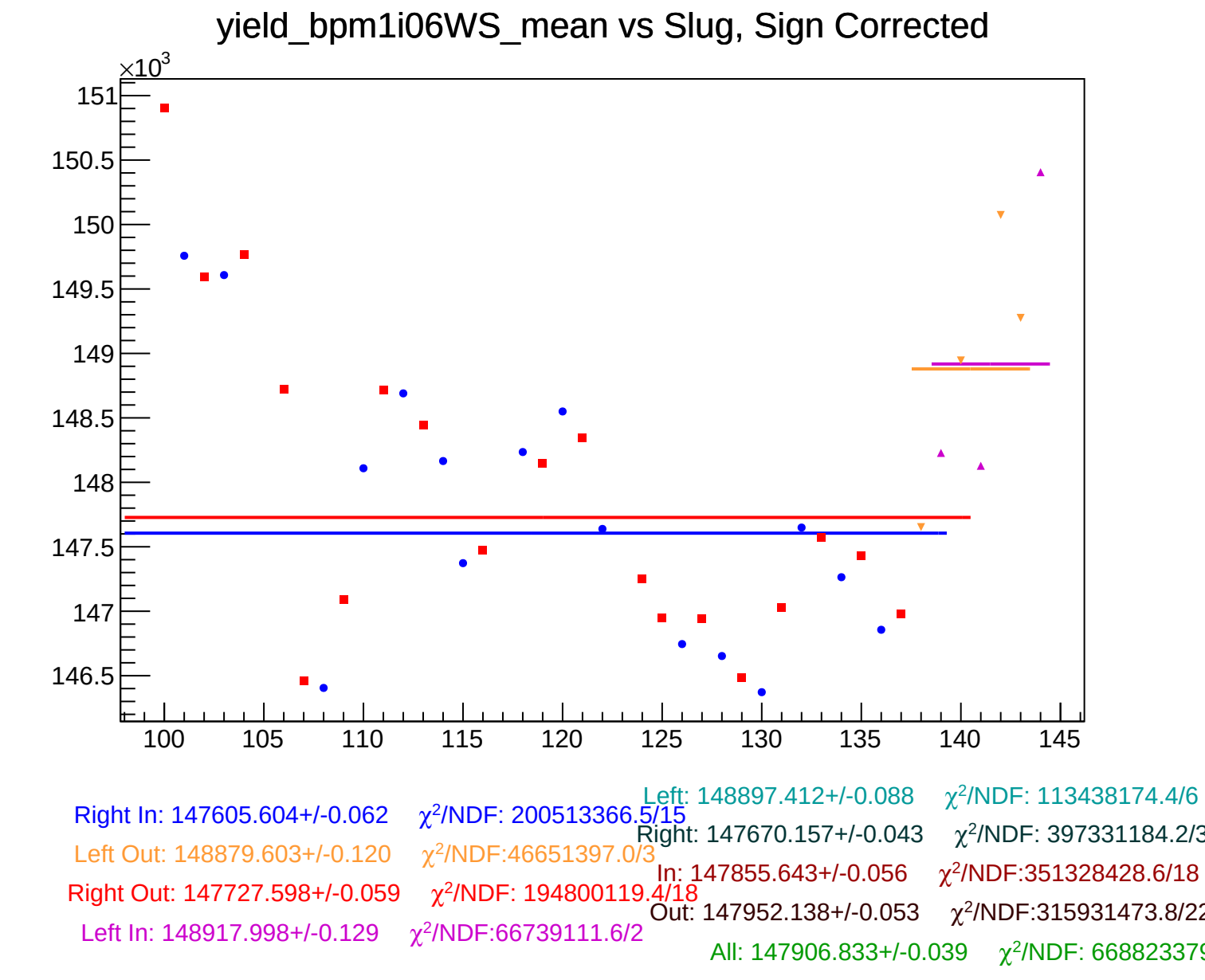
Left: 169.065+/-0.052 χ^2/NDF: 23908.6/6

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

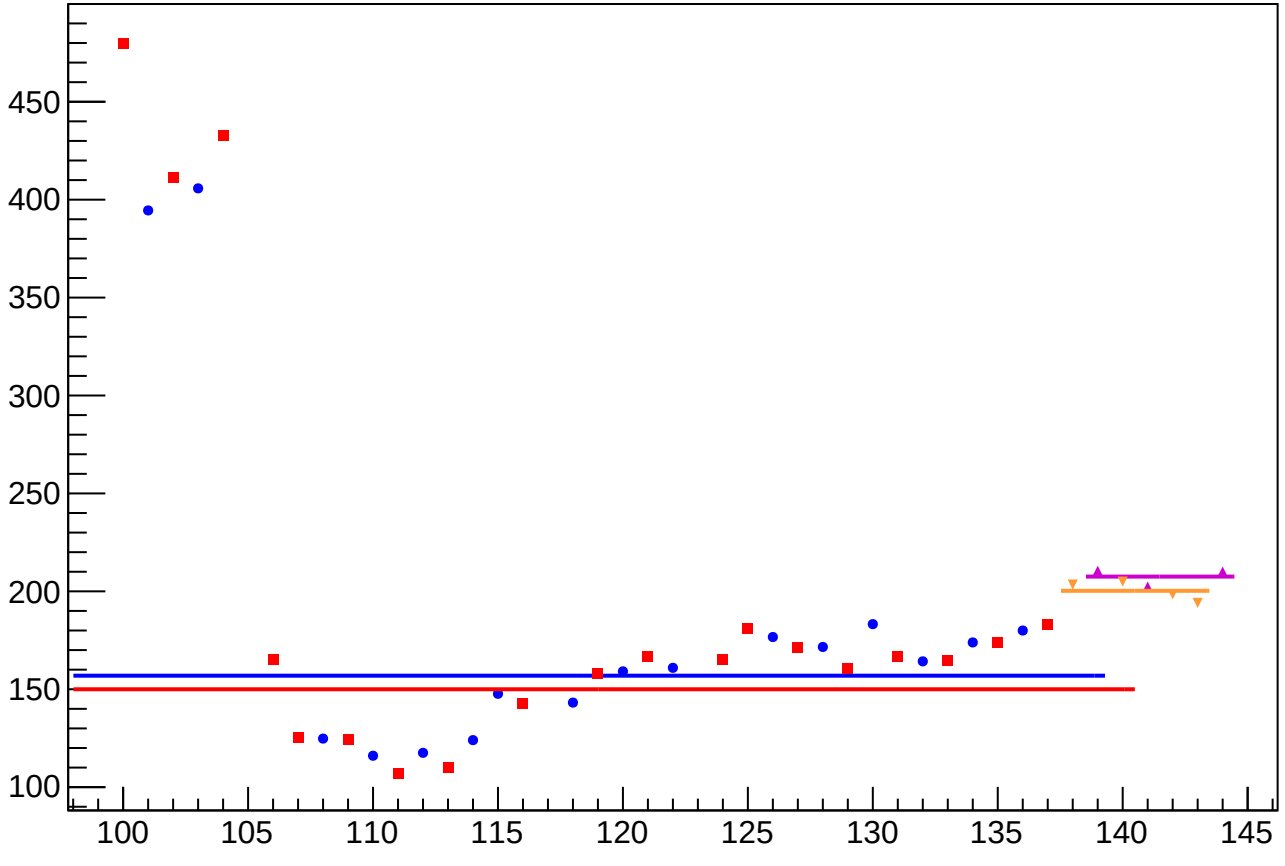
In: 134.853+/-0.032 χ^2/NDF:1782745.0/18

Out: 129.398+/-0.031 χ^2/NDF:1986850.0/22

All: 131.966+/-0.022 χ^2/NDF: 3784564.7/41


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
151
150.5
150
149.5
149
148.5
148
147.5
147
146.5
100
105
110
115
120
125
130
135
140
145
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 148879.603+/-0.120 χ²/NDF:46651397.0/3
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 148917.998+/-0.129 χ²/NDF:66739111.6/2
Left: 148897.412+/-0.088 χ²/NDF: 113438174.4/6
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 147855.643+/-0.056 χ²/NDF:351328428.6/18
Out: 147952.138+/-0.053 χ²/NDF:315931473.8/22
All: 147906.833+/-0.039 χ²/NDF: 66882337

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 200.270+/-0.085 χ^2/NDF:2919.6/3

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 207.530+/-0.091 χ^2/NDF:1706.6/2

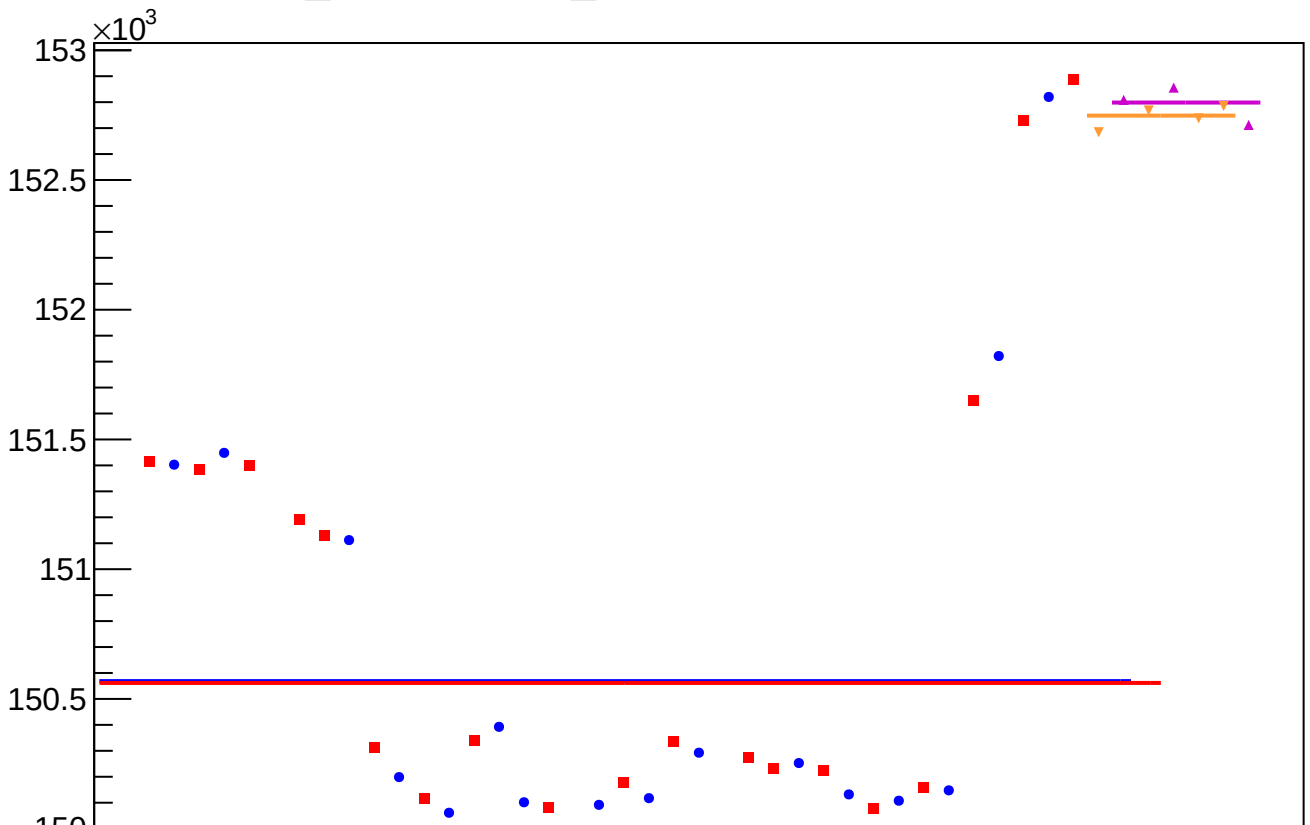
Left: 203.638+/-0.062 χ^2/NDF: 8035.0/6

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 166.568+/-0.040 χ^2/NDF:1517470.4/18

Out: 159.793+/-0.037 χ^2/NDF:1740562.0/22

All: 162.974+/-0.027 χ^2/NDF: 3273445.5/41



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152798.480+/-0.108 χ^2/NDF:304819.8/2

Left: 152771.646+/-0.074 χ^2/NDF: 569824.7/6

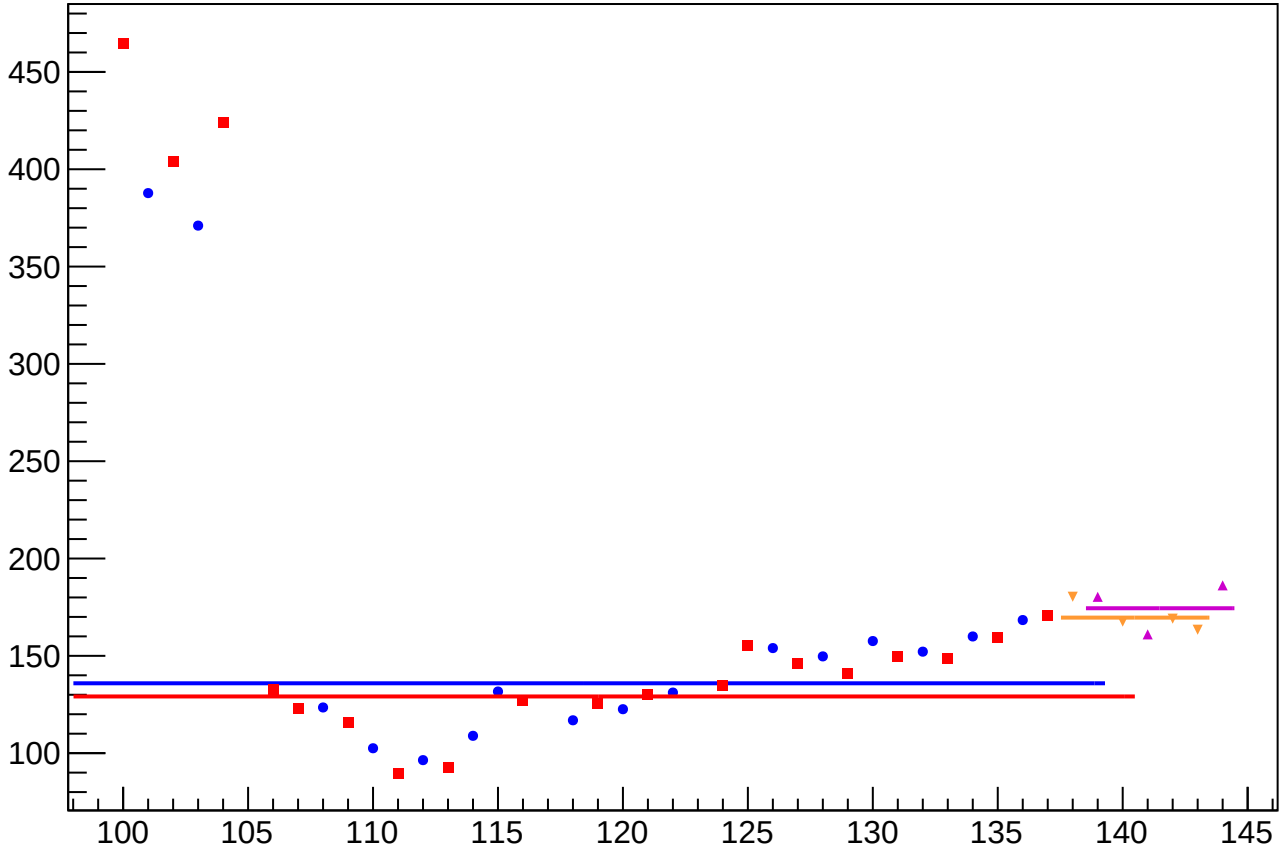
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151019.863+/-0.049 χ^2/NDF:574835821.0/18

Out: 151002.145+/-0.046 χ^2/NDF:568211203.5/22

All: 151010.401+/-0.033 χ^2/NDF: 11431175

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 174.455+/-0.077 χ^2/NDF:20997.1/2

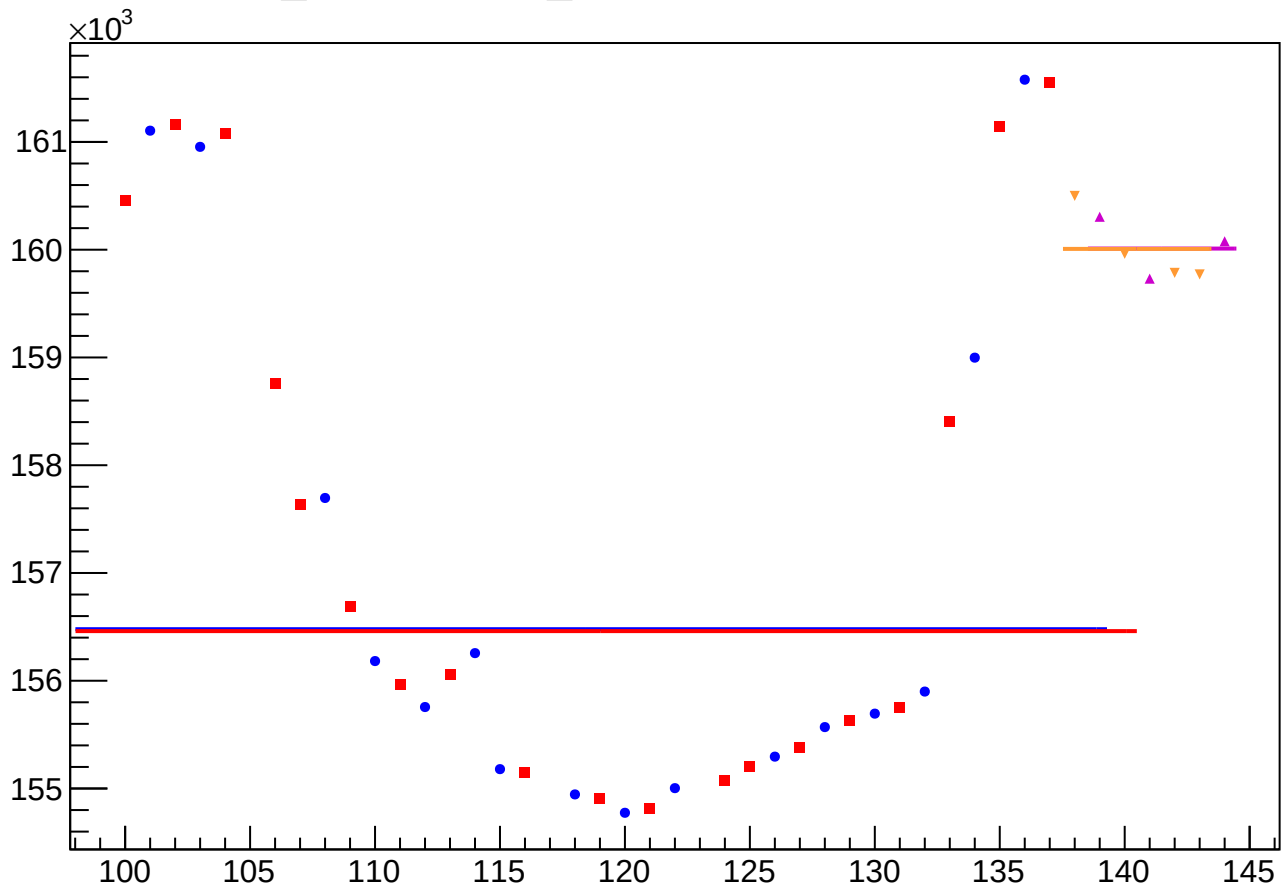
Left: 171.889+/-0.052 χ^2/NDF: 31082.4/6

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 143.699+/-0.034 χ^2/NDF:1639089.1/18

Out: 137.292+/-0.032 χ^2/NDF:1876694.1/22

All: 140.277+/-0.024 χ^2/NDF: 3534214.3/41



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160007.468+/-0.105 χ^2/NDF:7606204.0/3

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 160010.508+/-0.112 χ^2/NDF:4674140.3/2

Left: 160008.896+/-0.077 χ^2/NDF: 12280735.0/6

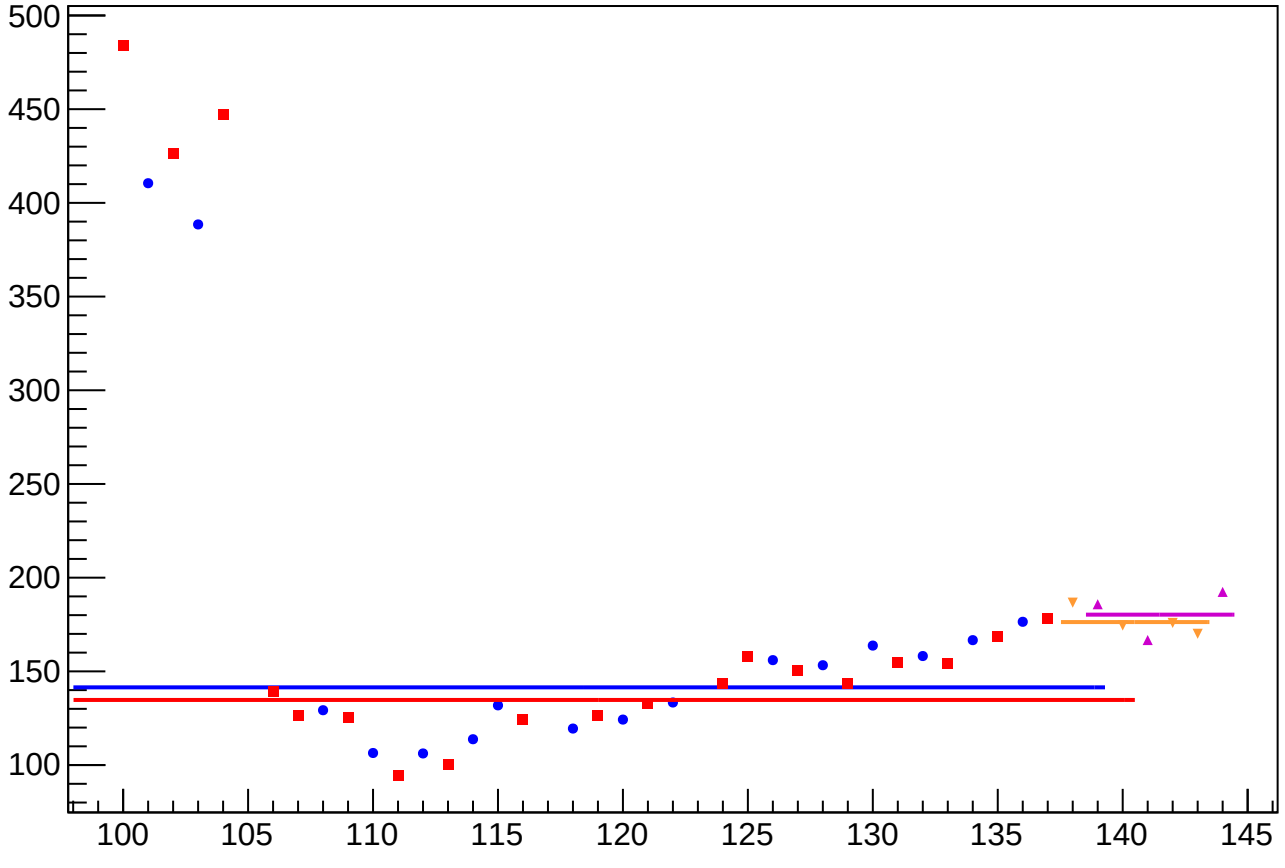
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157200.993+/-0.051 χ^2/NDF:2084940600.7/18

Out: 157178.994+/-0.047 χ^2/NDF:2011007512.5/2

All: 157189.271+/-0.035 χ^2/NDF: 40960485

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 176.309+/-0.075 χ^2/NDF:7061.2/3

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 180.264+/-0.079 χ^2/NDF:20107.7/2

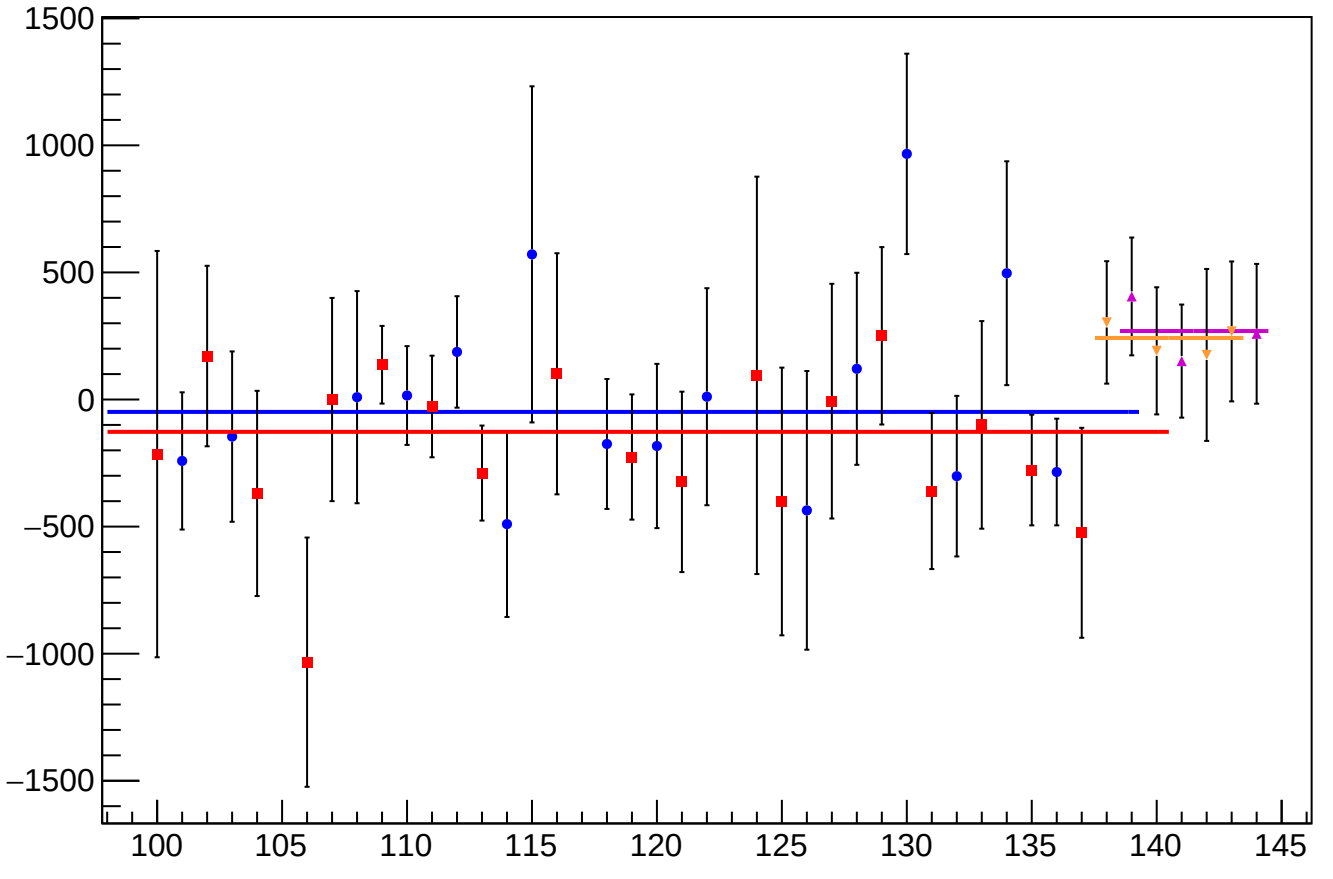
Left: 178.167+/-0.054 χ^2/NDF: 28491.1/6

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 149.407+/-0.036 χ^2/NDF:1602828.5/18

Out: 143.165+/-0.034 χ^2/NDF:1834051.9/22

All: 146.081+/-0.024 χ^2/NDF: 3453057.1/41



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 269.424+/-138.606 χ^2/NDF:0.6/2

Left: 255.405+/-96.575 χ^2/NDF: 0.8/6

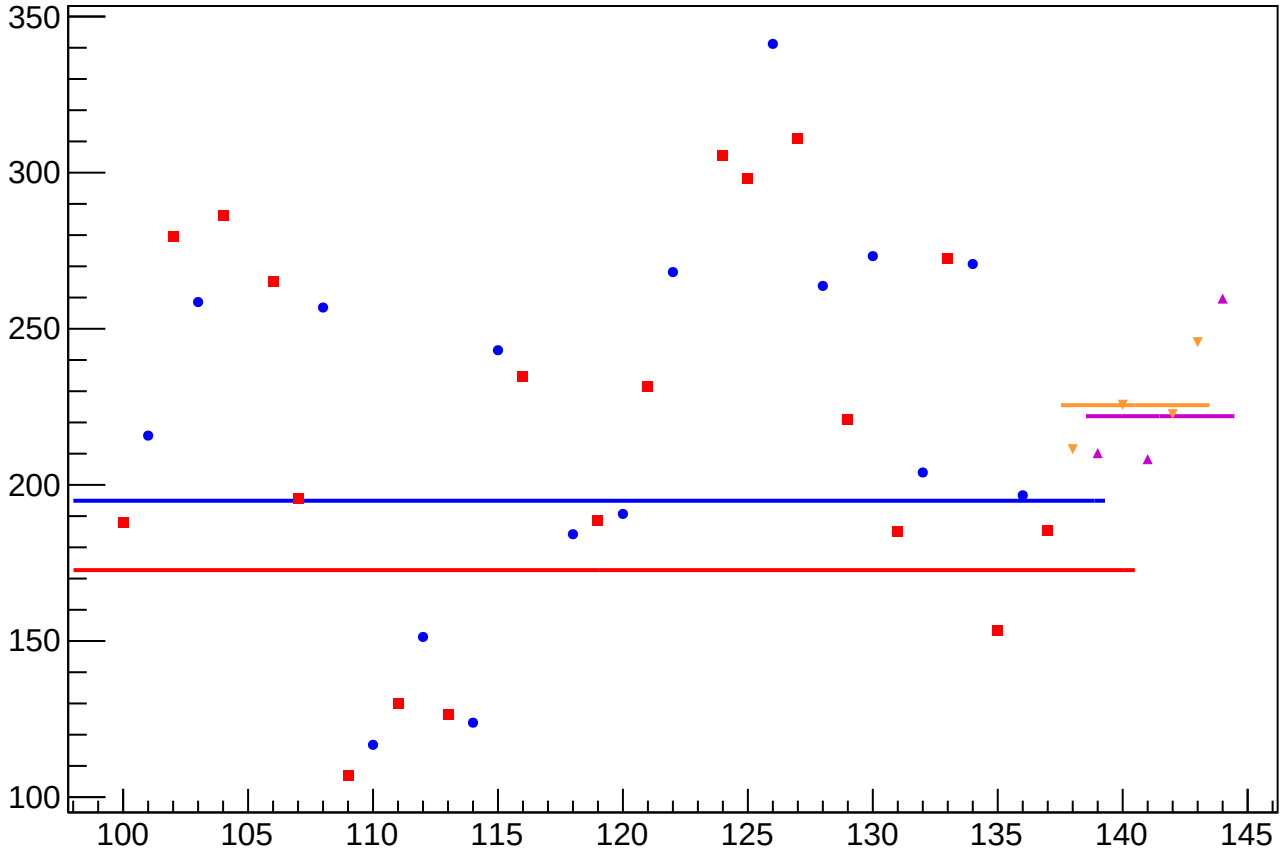
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.679+/-67.038 χ^2/NDF:20.1/18

Out: -51.275+/-61.057 χ^2/NDF:19.0/22

All: -16.383+/-45.140 χ^2/NDF: 39.8/41

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 222.003+/-0.098 χ^2/NDF:50379.1/2

Left: 223.816+/-0.068 χ^2/NDF: 68802.8/6

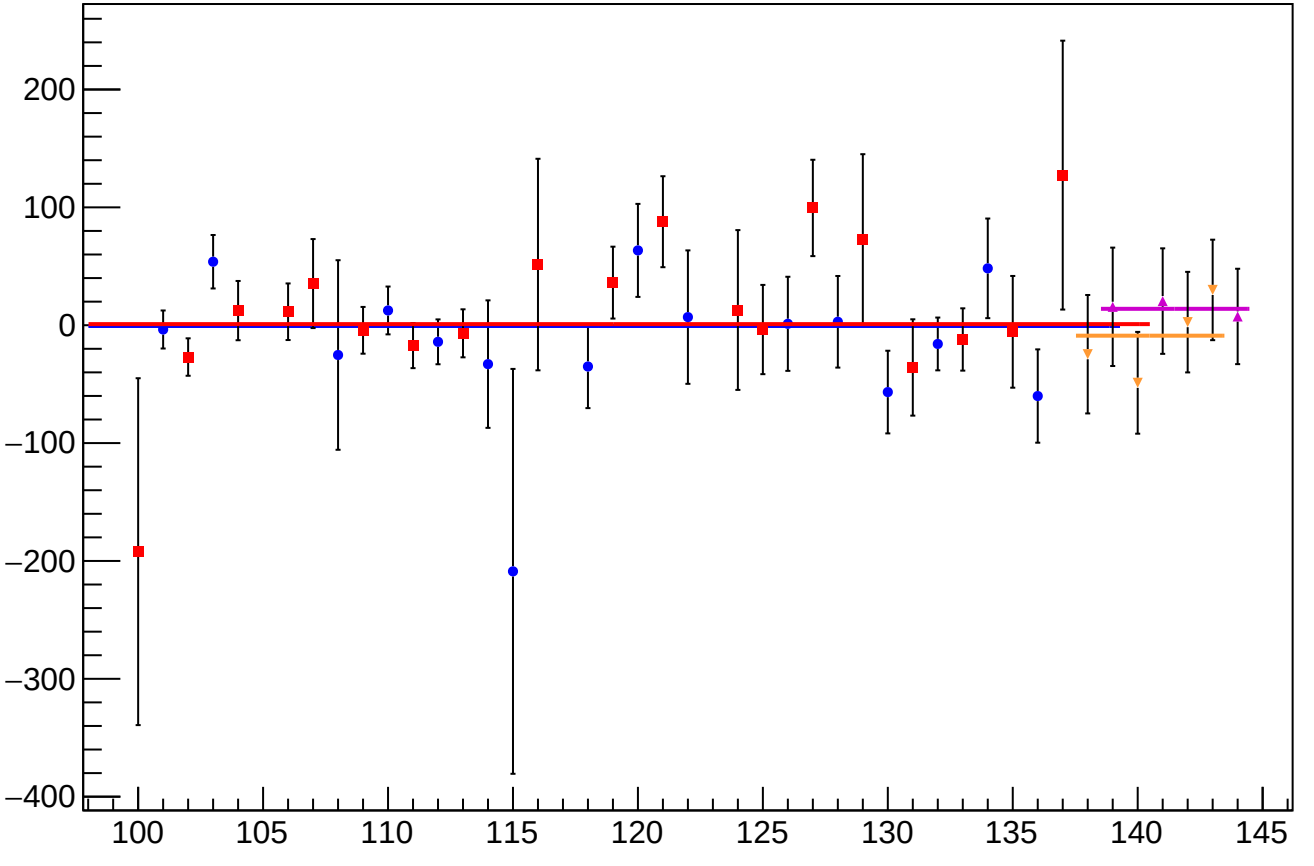
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 201.257+/-0.047 χ^2/NDF:1137765.5/18

Out: 183.567+/-0.043 χ^2/NDF:1893656.8/22

All: 191.588+/-0.032 χ^2/NDF: 3107545.3/41

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.870+/-22.182 χ^2/NDF:1.9/3

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 13.916+/-25.766 χ^2/NDF:0.0/2

Left: 0.829+/-16.811 χ^2/NDF: 2.4/6

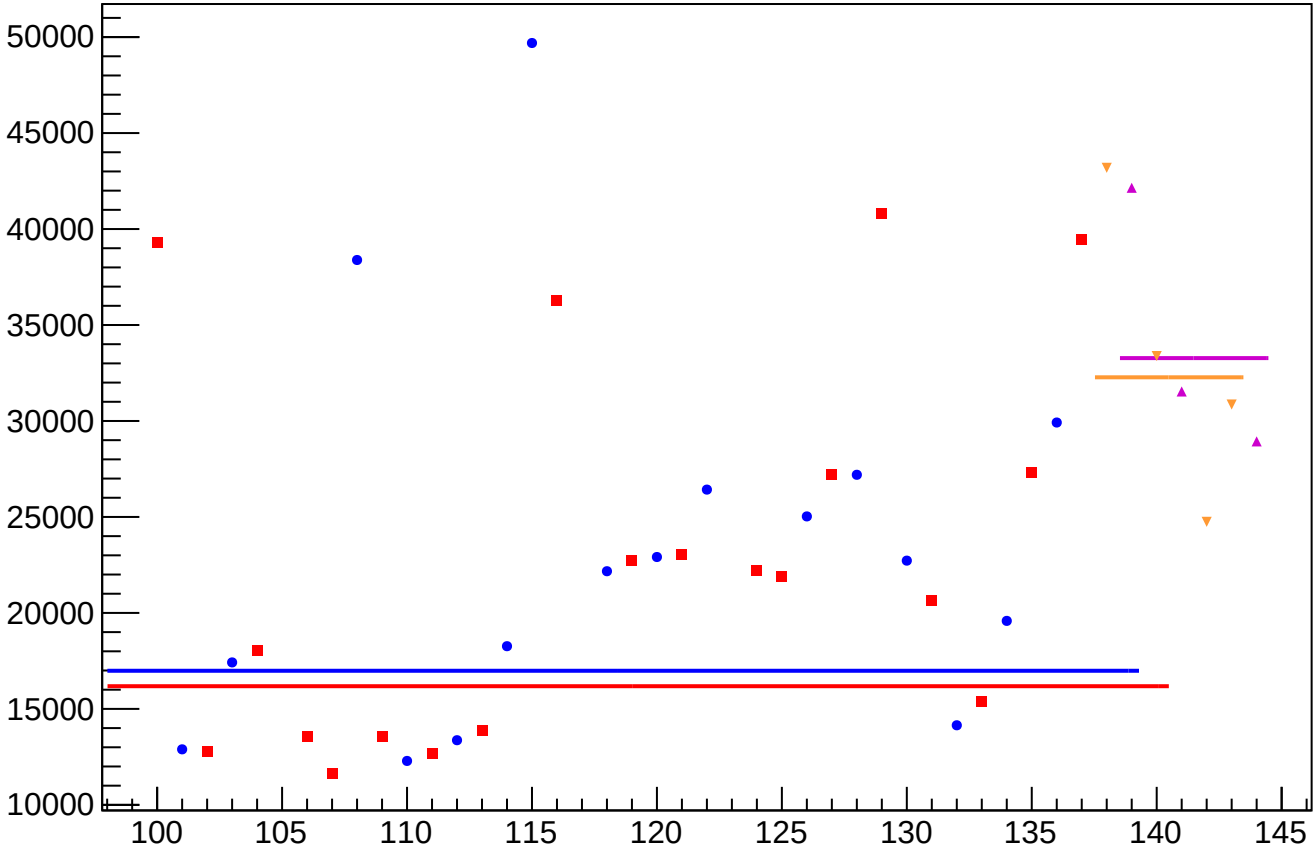
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 0.468+/-7.059 χ^2/NDF:19.2/18

Out: 0.103+/-6.473 χ^2/NDF:25.1/22

All: 0.269+/-4.771 χ^2/NDF: 44.3/41

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32274.827+/-15.685 χ^2/NDF:160203.9/3

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 33275.795+/-18.219 χ^2/NDF:88442.6/2

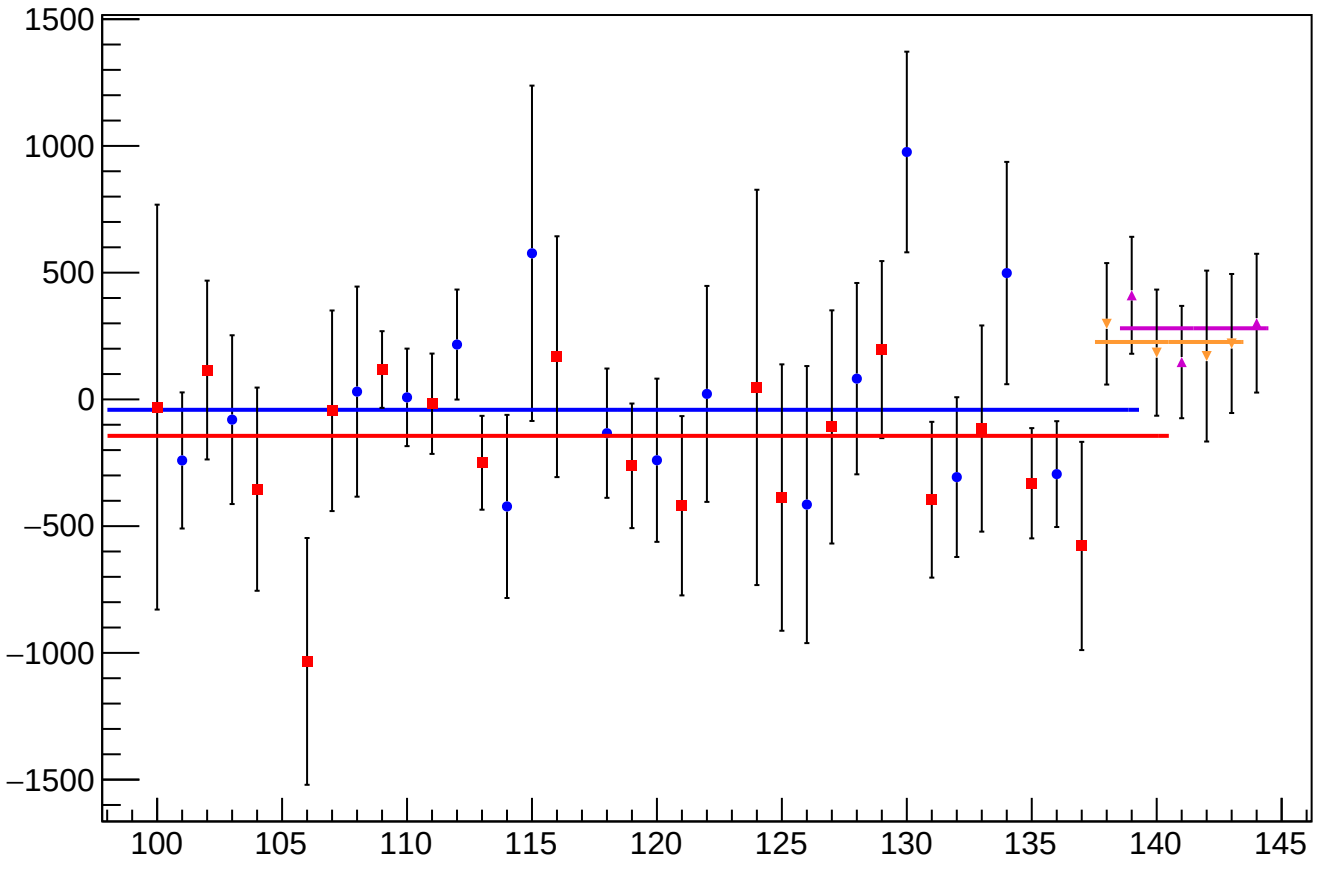
Left: 32700.917+/-11.887 χ^2/NDF: 250380.0/6

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 18209.168+/-4.992 χ^2/NDF:2021893.4/18

Out: 17552.054+/-4.577 χ^2/NDF:2374706.5/22

All: 17852.166+/-3.373 χ^2/NDF: 4406014.5/4



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 226.509+/-134.037 χ^2/NDF:0.1/3

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 280.562+/-138.014 χ^2/NDF:0.7/2

Left: 252.746+/-96.154 χ^2/NDF: 0.9/6

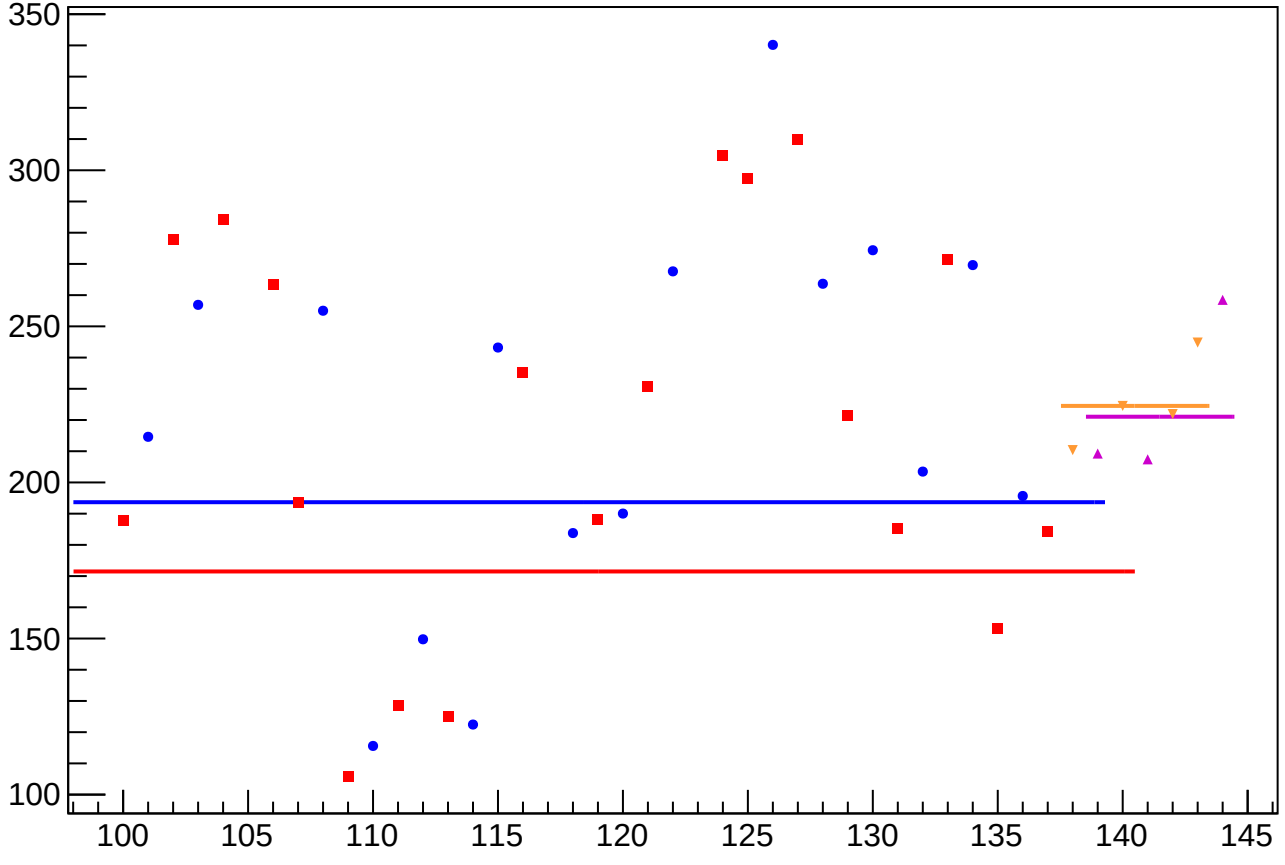
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 34.021+/-66.679 χ^2/NDF:20.3/18

Out: -67.875+/-60.699 χ^2/NDF:19.2/22

All: -21.700+/-44.886 χ^2/NDF: 40.8/41

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 224.518+/-0.095 χ^2/NDF:18053.9/3

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 221.055+/-0.098 χ^2/NDF:50232.1/2

Left: 222.837+/-0.068 χ^2/NDF: 68934.0/6

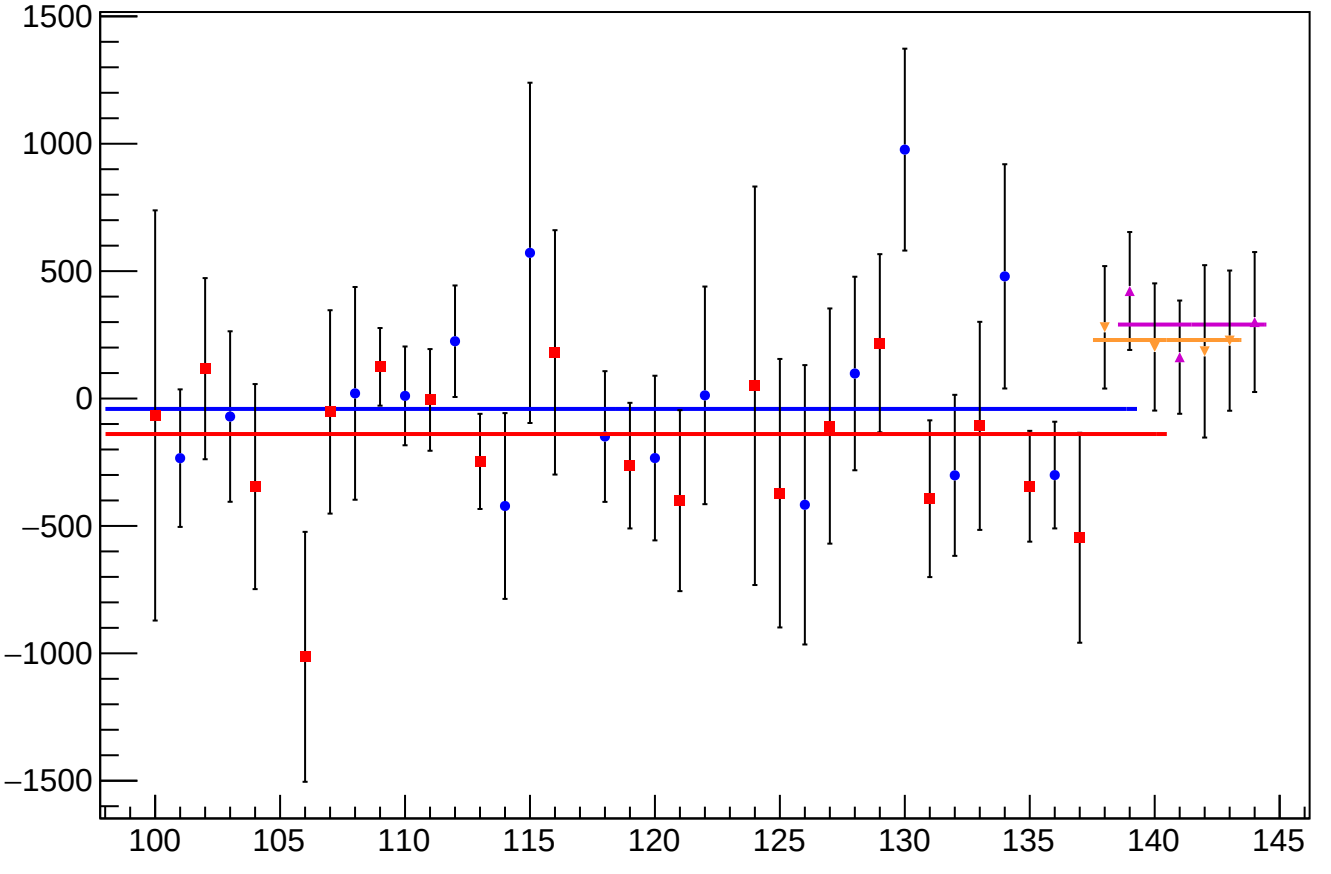
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 200.062+/-0.047 χ^2/NDF:1160364.9/18

Out: 182.360+/-0.043 χ^2/NDF:1919936.8/22

All: 190.382+/-0.032 χ^2/NDF: 3157389.6/41

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 229.721+/-134.471 χ^2/NDF:0.1/3

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 290.343+/-138.436 χ^2/NDF:0.7/2

Left: 259.151+/-96.457 χ^2/NDF: 0.8/6

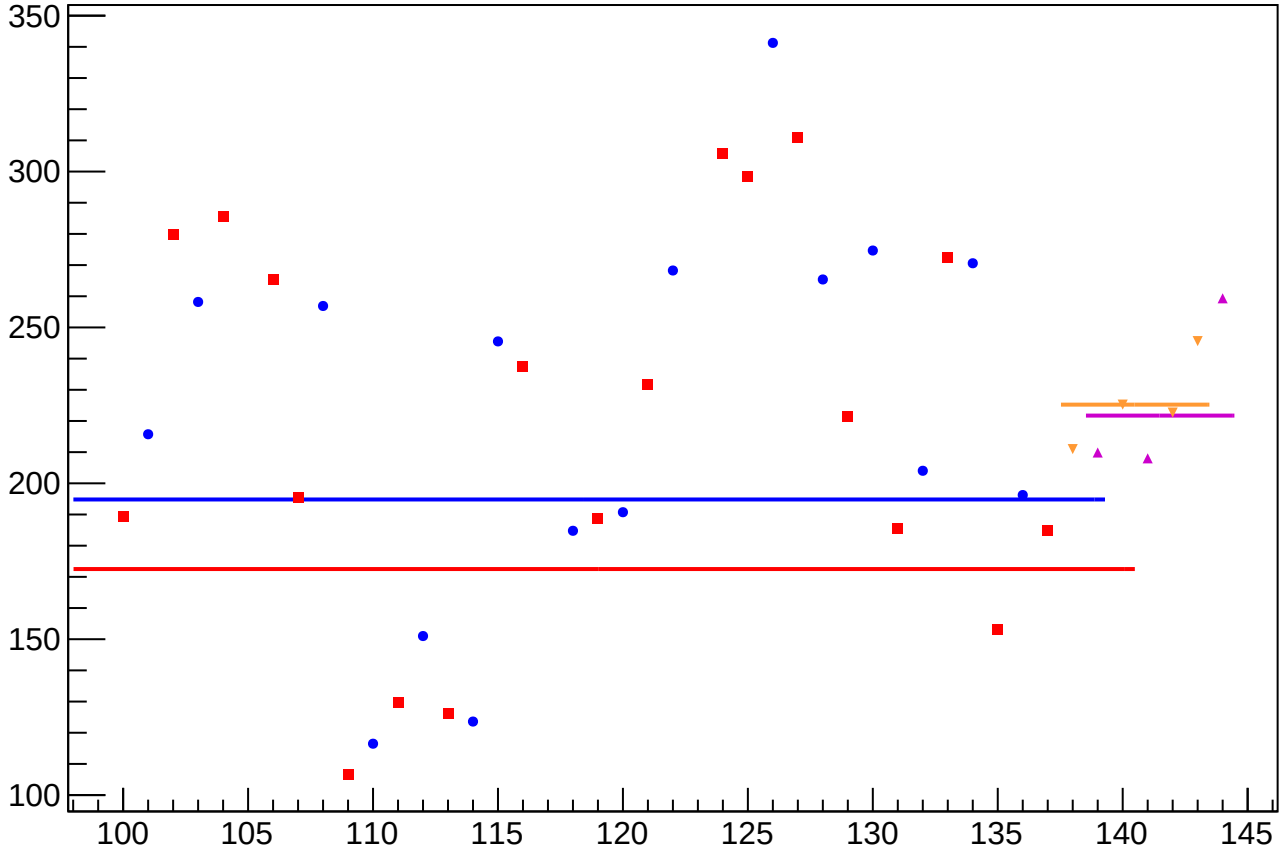
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 36.789+/-67.010 χ^2/NDF:20.4/18

Out: -63.336+/-61.008 χ^2/NDF:18.9/22

All: -17.957+/-45.112 χ^2/NDF: 40.6/41

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 225.240+/-0.095 χ^2/NDF:18124.9/3

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 221.726+/-0.098 χ^2/NDF:50364.1/2

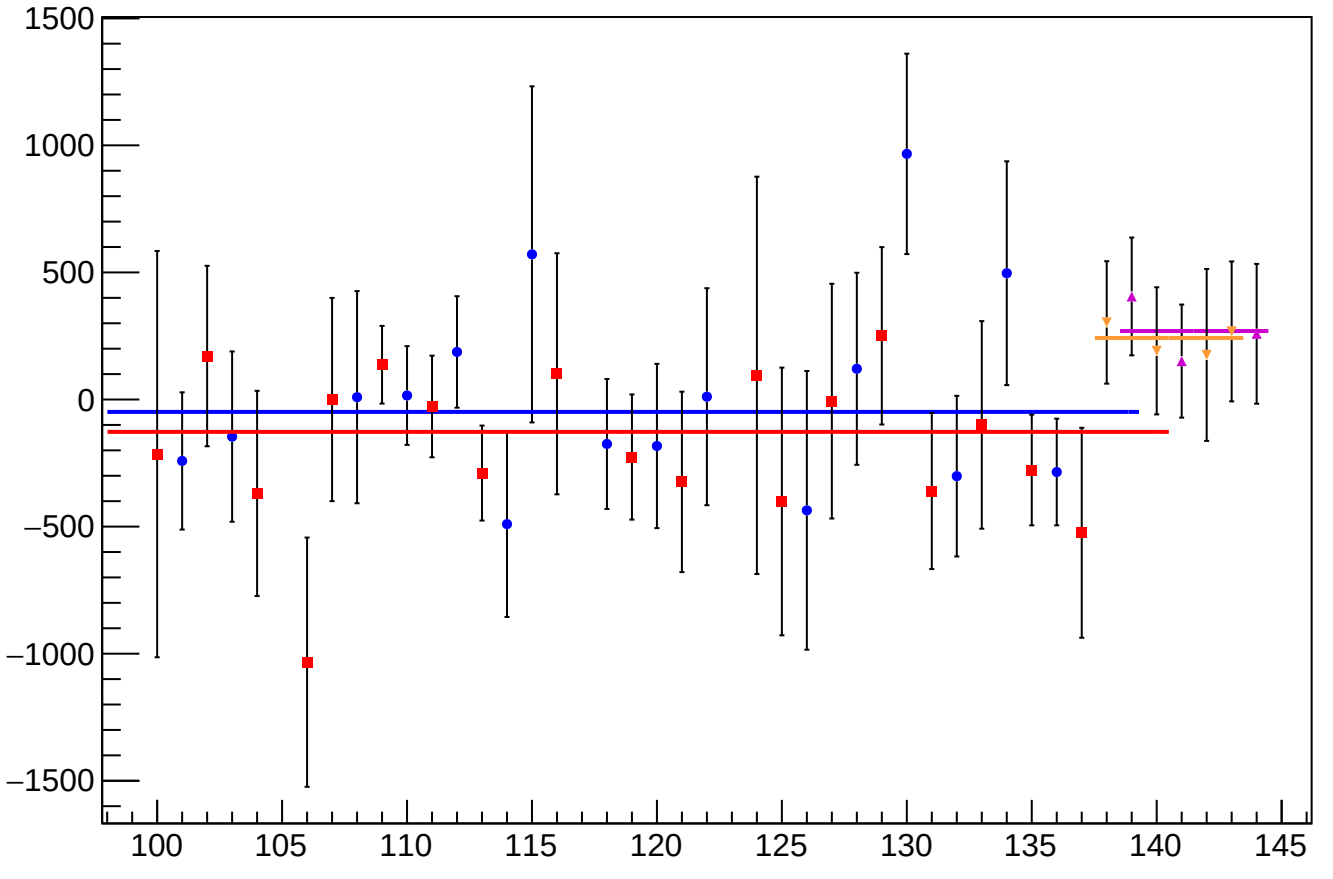
Left: 223.534+/-0.068 χ^2/NDF: 69151.9/6

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 201.124+/-0.047 χ^2/NDF:1147310.9/18

Out: 183.361+/-0.043 χ^2/NDF:1904444.2/22

All: 191.412+/-0.032 χ^2/NDF: 3128594.0/41



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 269.424+/-138.606 χ^2/NDF:0.6/2

Left: 255.405+/-96.575 χ^2/NDF: 0.8/6

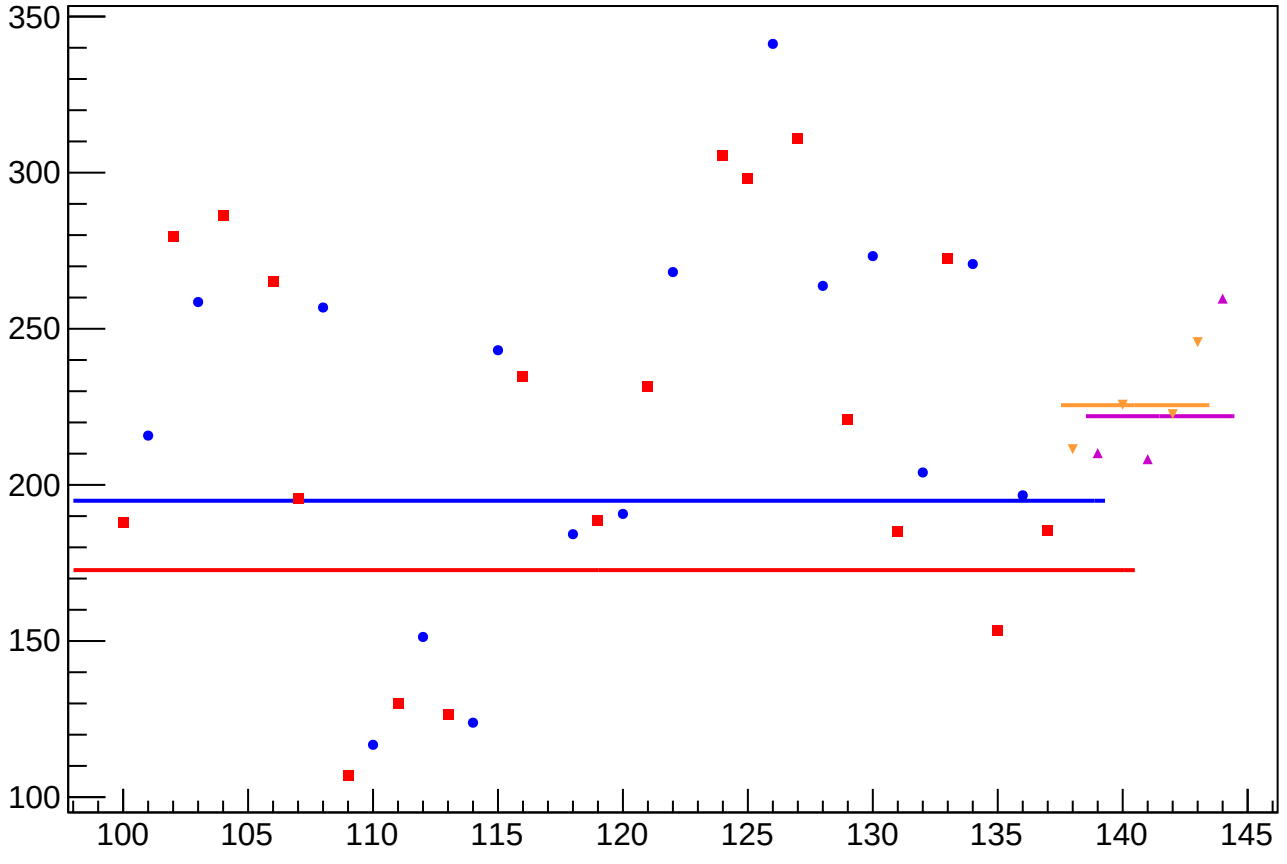
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.679+/-67.038 χ^2/NDF:20.1/18

Out: -51.275+/-61.057 χ^2/NDF:19.0/22

All: -16.383+/-45.140 χ^2/NDF: 39.8/41

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 222.003+/-0.098 χ^2/NDF:50379.1/2

Left: 223.816+/-0.068 χ^2/NDF: 68802.8/6

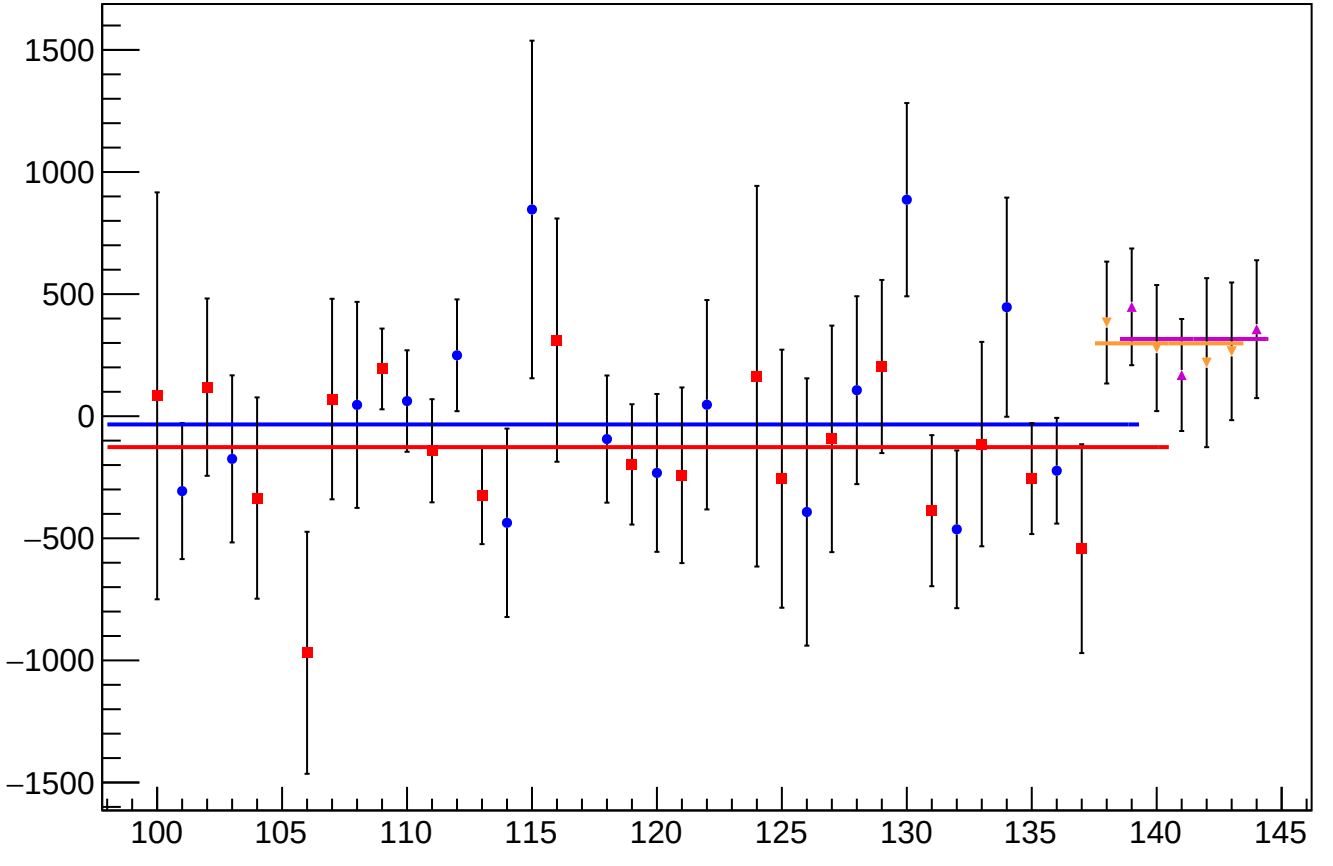
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 201.257+/-0.047 χ^2/NDF:1137765.5/18

Out: 183.567+/-0.043 χ^2/NDF:1893656.8/22

All: 191.588+/-0.032 χ^2/NDF: 3107545.3/41

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 298.484+/-138.681 χ^2/NDF:0.2/3

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 316.334+/-142.779 χ^2/NDF:0.7/2

Left: 307.149+/-99.479 χ^2/NDF: 0.9/6

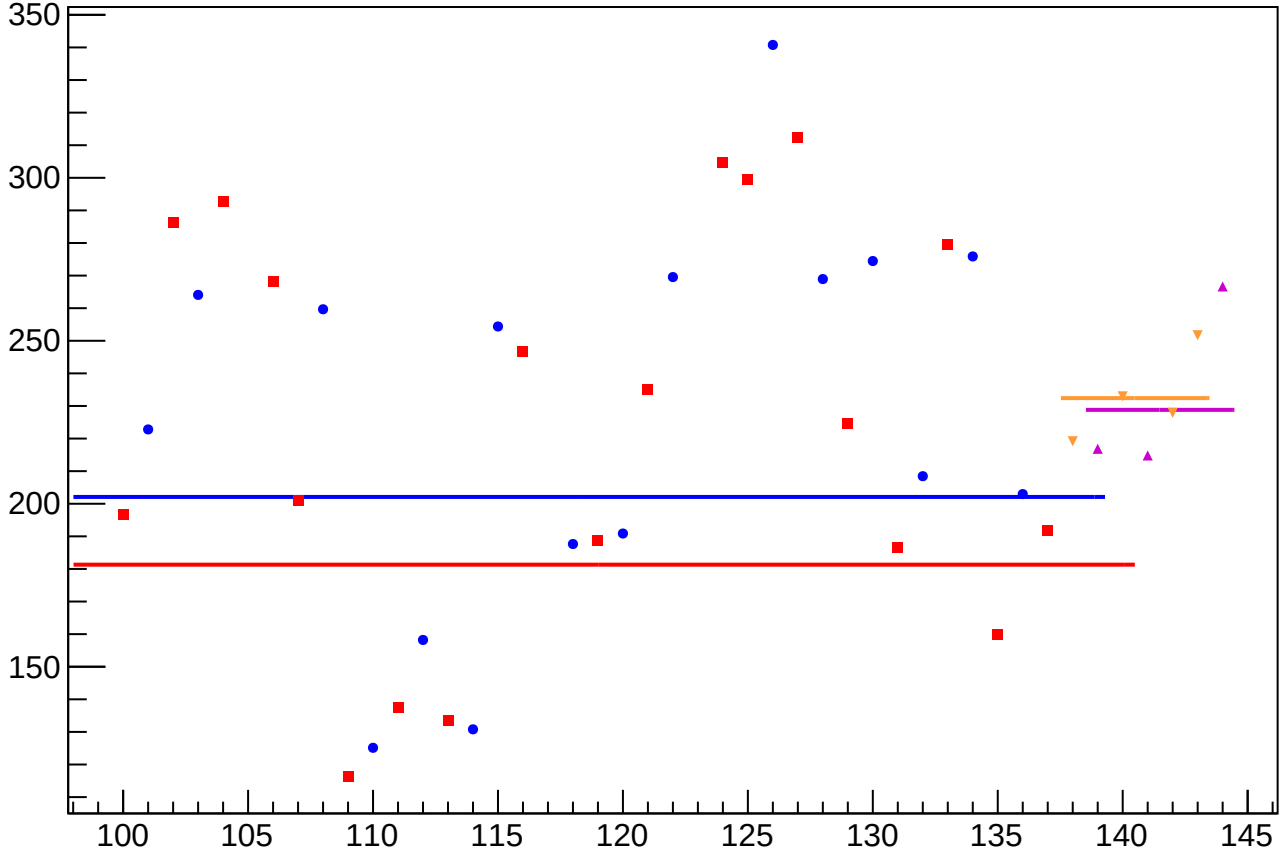
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 48.313+/-69.122 χ^2/NDF:21.1/18

Out: -37.682+/-63.417 χ^2/NDF:20.3/22

All: 1.621+/-46.729 χ^2/NDF: 42.2/41

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 232.413+/-0.098 χ^2/NDF:15338.1/3

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 228.809+/-0.101 χ^2/NDF:48393.6/2

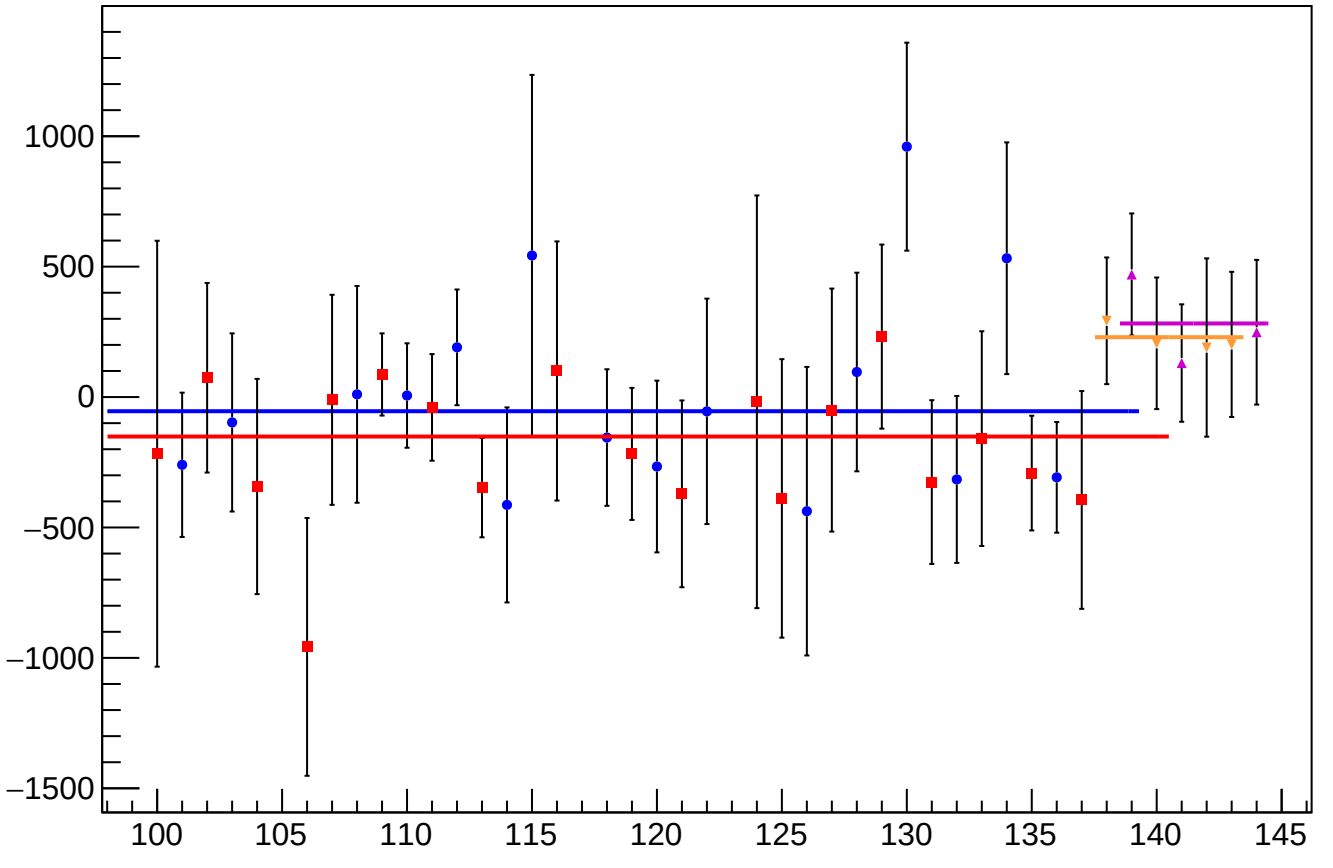
Left: 230.663+/-0.070 χ^2/NDF: 64387.4/6

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 208.352+/-0.049 χ^2/NDF:1012276.1/18

Out: 191.998+/-0.045 χ^2/NDF:1671093.2/22

All: 199.472+/-0.033 χ^2/NDF: 2744160.6/41



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 229.572+/-135.897 χ^2/NDF:0.1/3

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 282.133+/-140.047 χ^2/NDF:1.1/2

Left: 255.062+/-97.528 χ^2/NDF: 1.3/6

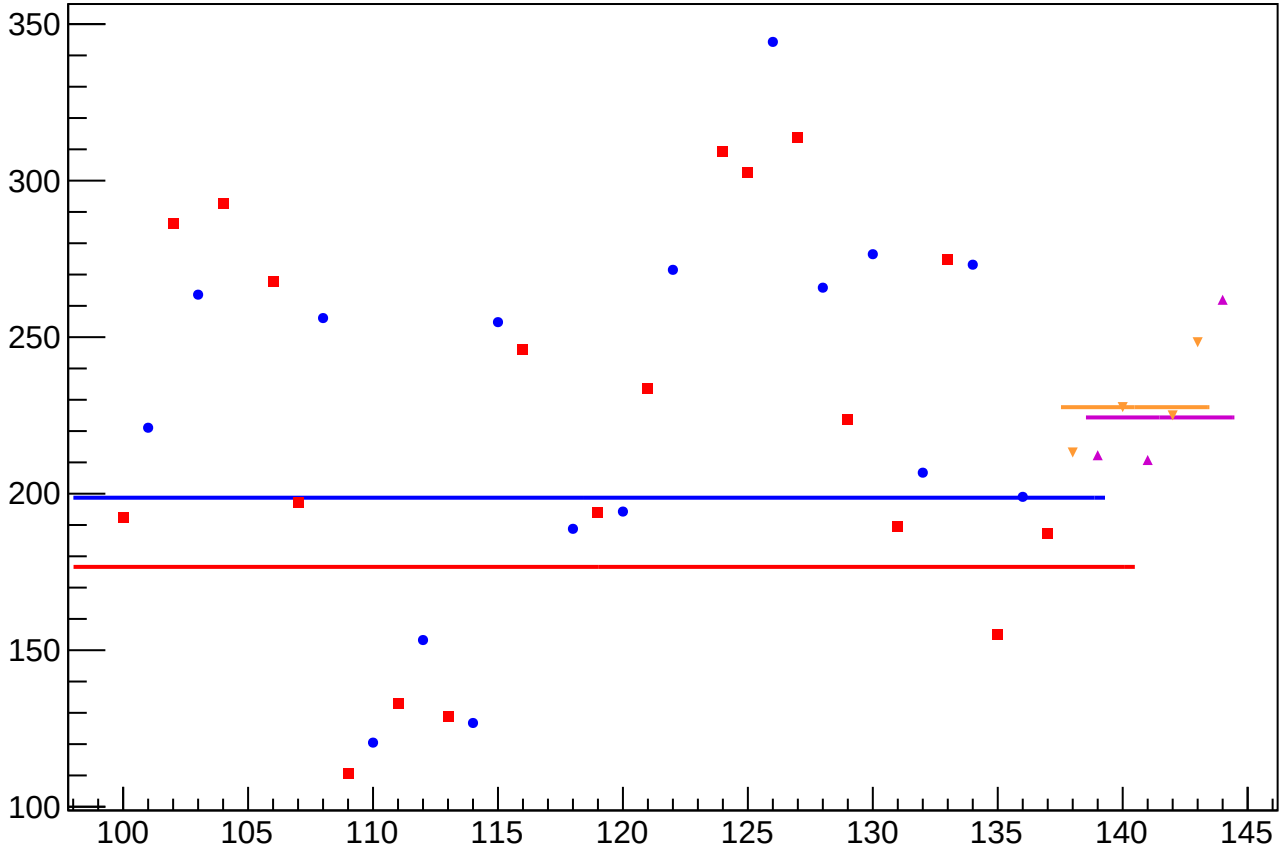
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 25.303+/-68.108 χ^2/NDF:20.6/18

Out: -71.658+/-62.161 χ^2/NDF:16.6/22

All: -27.595+/-45.913 χ^2/NDF: 38.2/41

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 227.637+/-0.096 χ^2/NDF:18333.2/3

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 224.360+/-0.099 χ^2/NDF:49340.6/2

Left: 226.047+/-0.069 χ^2/NDF: 68237.8/6

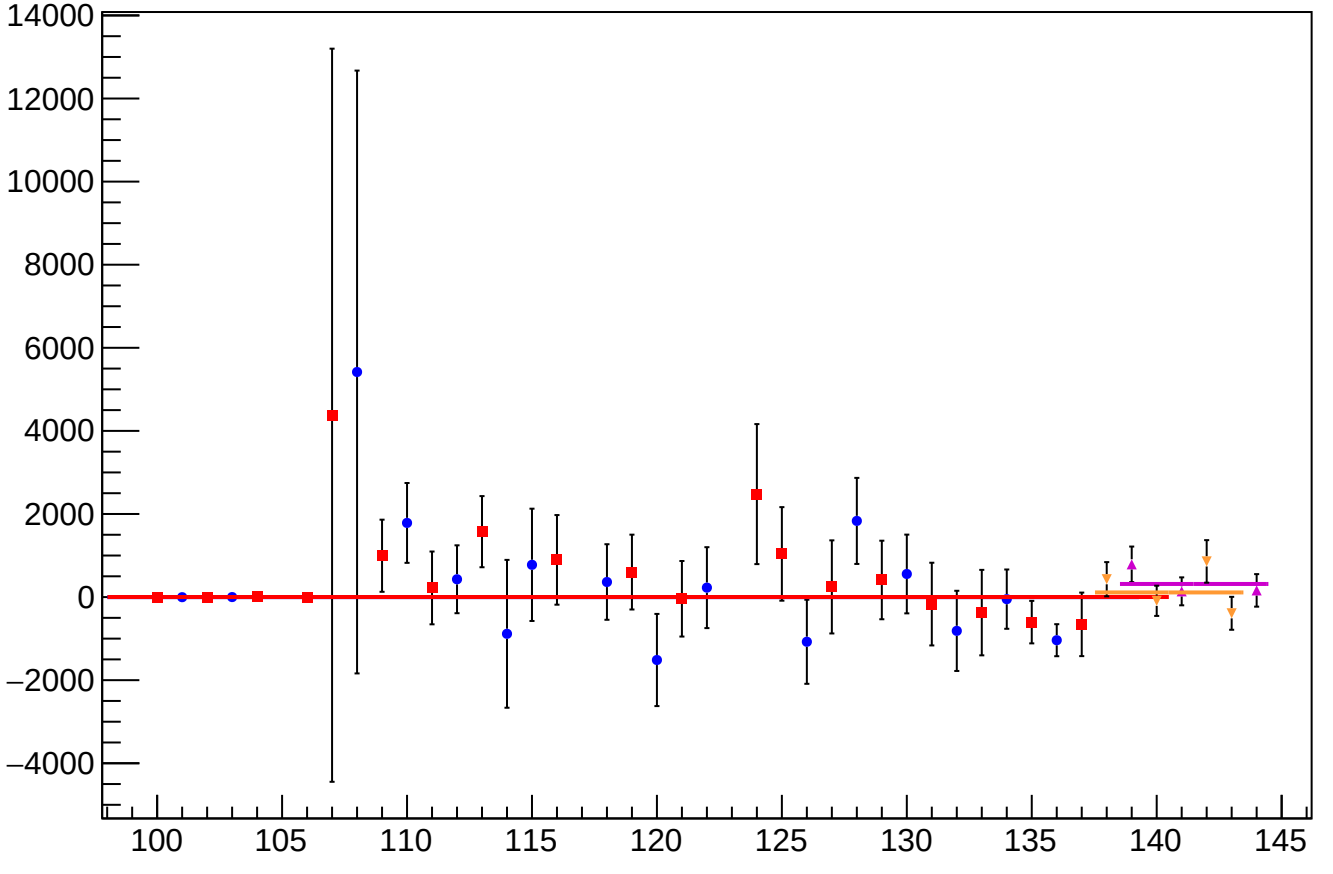
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 204.783+/-0.048 χ^2/NDF:1094596.4/18

Out: 187.295+/-0.044 χ^2/NDF:1836919.7/22

All: 195.242+/-0.032 χ^2/NDF: 3003451.5/41

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 111.608+/-205.668 χ^2/NDF:4.6/3

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 315.548+/-219.149 χ^2/NDF:1.7/2

Left: 207.113+/-149.969 χ^2/NDF: 6.8/6

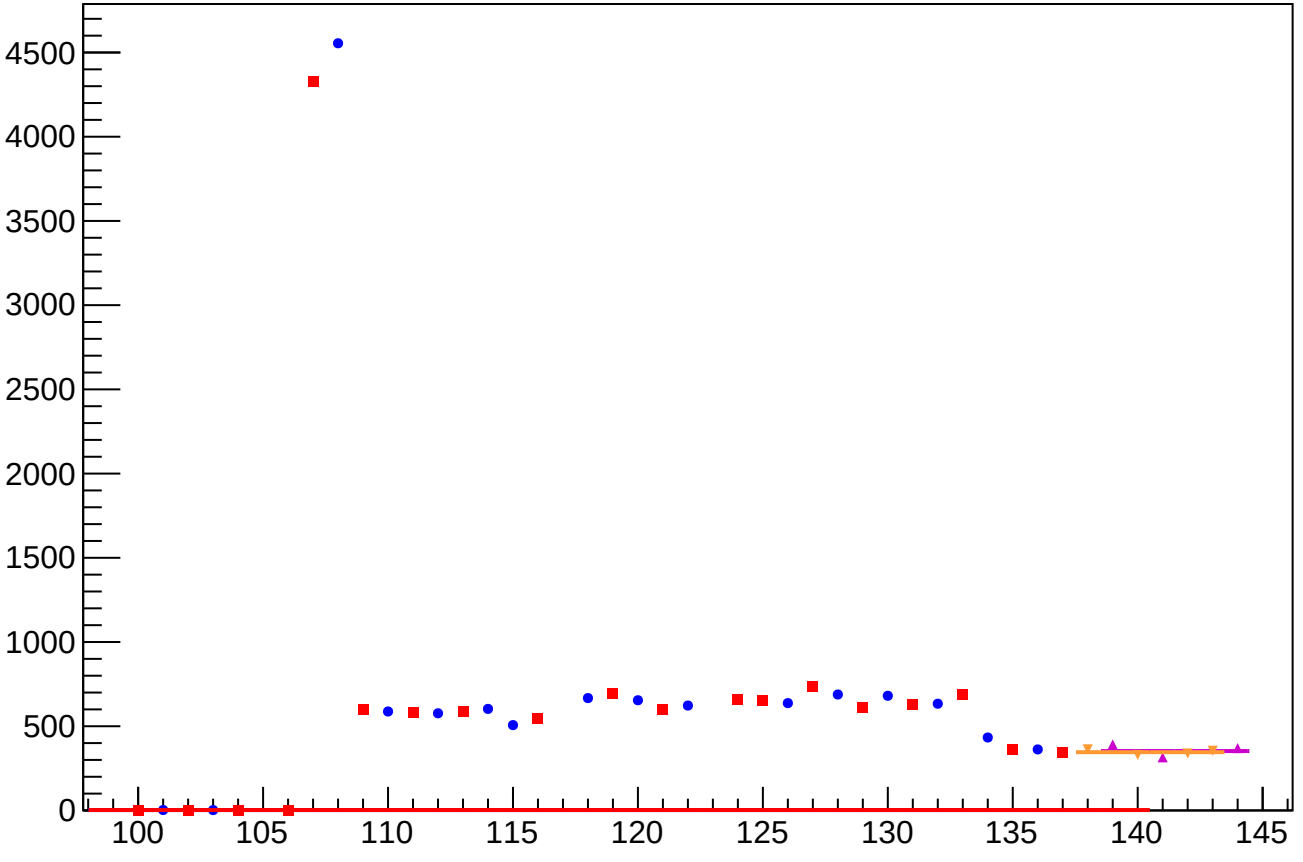
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.208+/-2.171 χ^2/NDF:23.7/18

Out: 1.388+/-2.022 χ^2/NDF:21.8/22

All: 0.182+/-1.480 χ^2/NDF: 46.2/41

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 345.912+/-0.145 χ^2/NDF:8751.6/3

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 352.664+/-0.155 χ^2/NDF:45138.9/2

Left: 349.074+/-0.106 χ^2/NDF: 54899.9/6

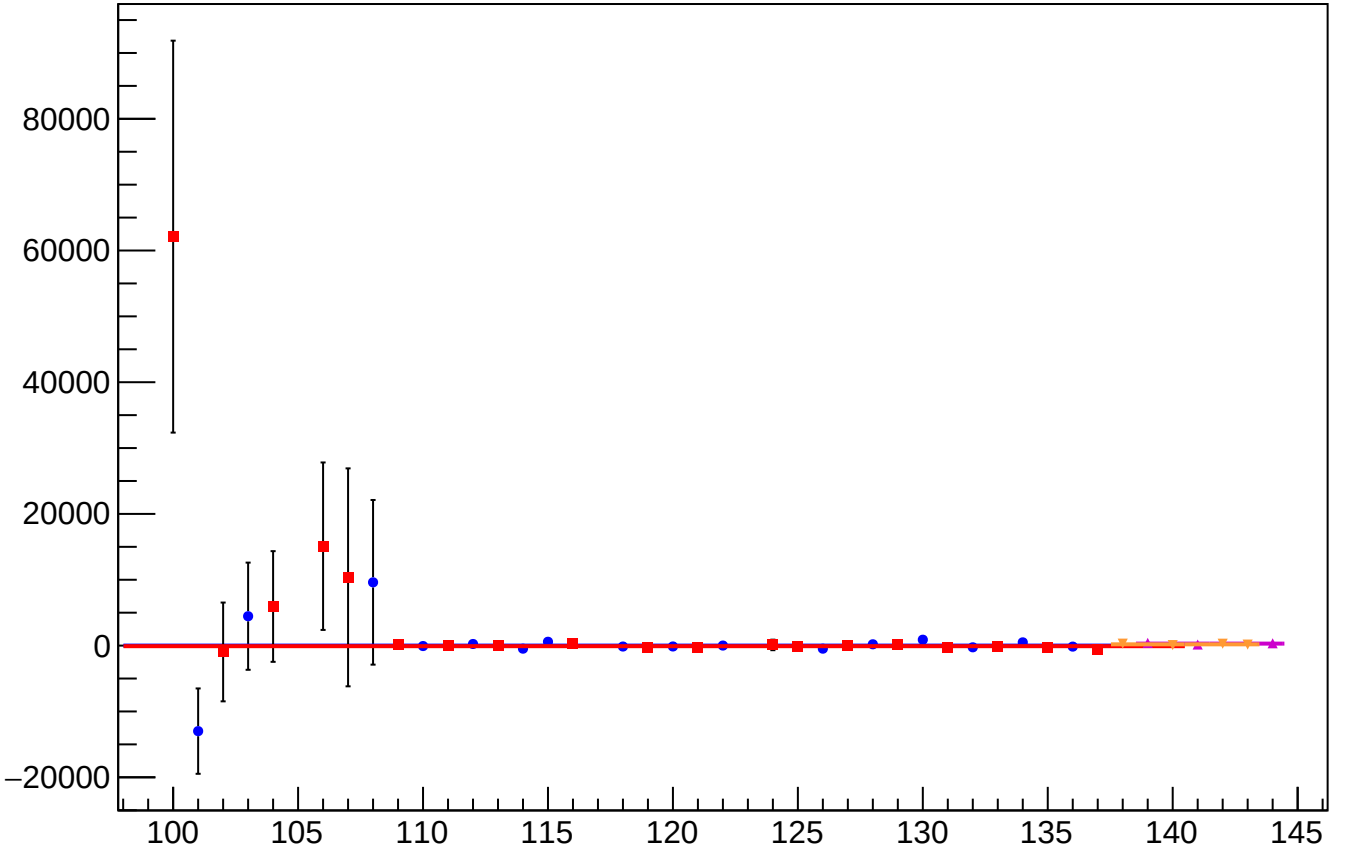
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.511+/-0.002 χ^2/NDF:16777663.7/18

Out: 2.495+/-0.001 χ^2/NDF:17130934.1/22

All: 2.503+/-0.001 χ^2/NDF: 33908653.7/41

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 193.177+/-140.419 χ^2/NDF:0.5/3

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 302.444+/-142.504 χ^2/NDF:0.6/2

Left: 247.005+/-100.020 χ^2/NDF: 1.4/6

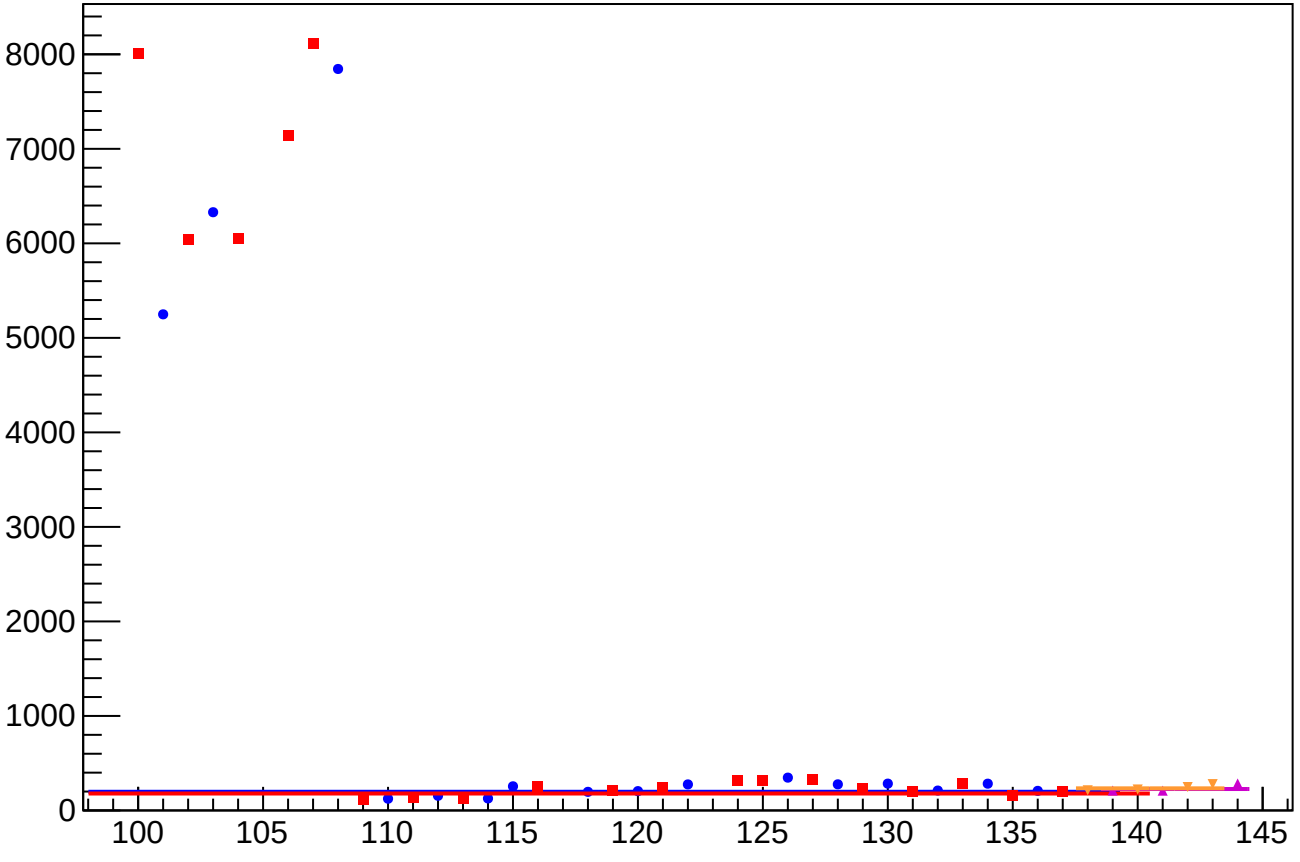
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 83.668+/-74.765 χ^2/NDF:20.7/18

Out: -17.078+/-70.555 χ^2/NDF:18.4/22

All: 30.379+/-51.314 χ^2/NDF: 40.1/41

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.964+/-0.099 χ^2/NDF:62758.9/3

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 226.826+/-0.101 χ^2/NDF:96647.2/2

Left: 230.447+/-0.071 χ^2/NDF: 161952.3/6

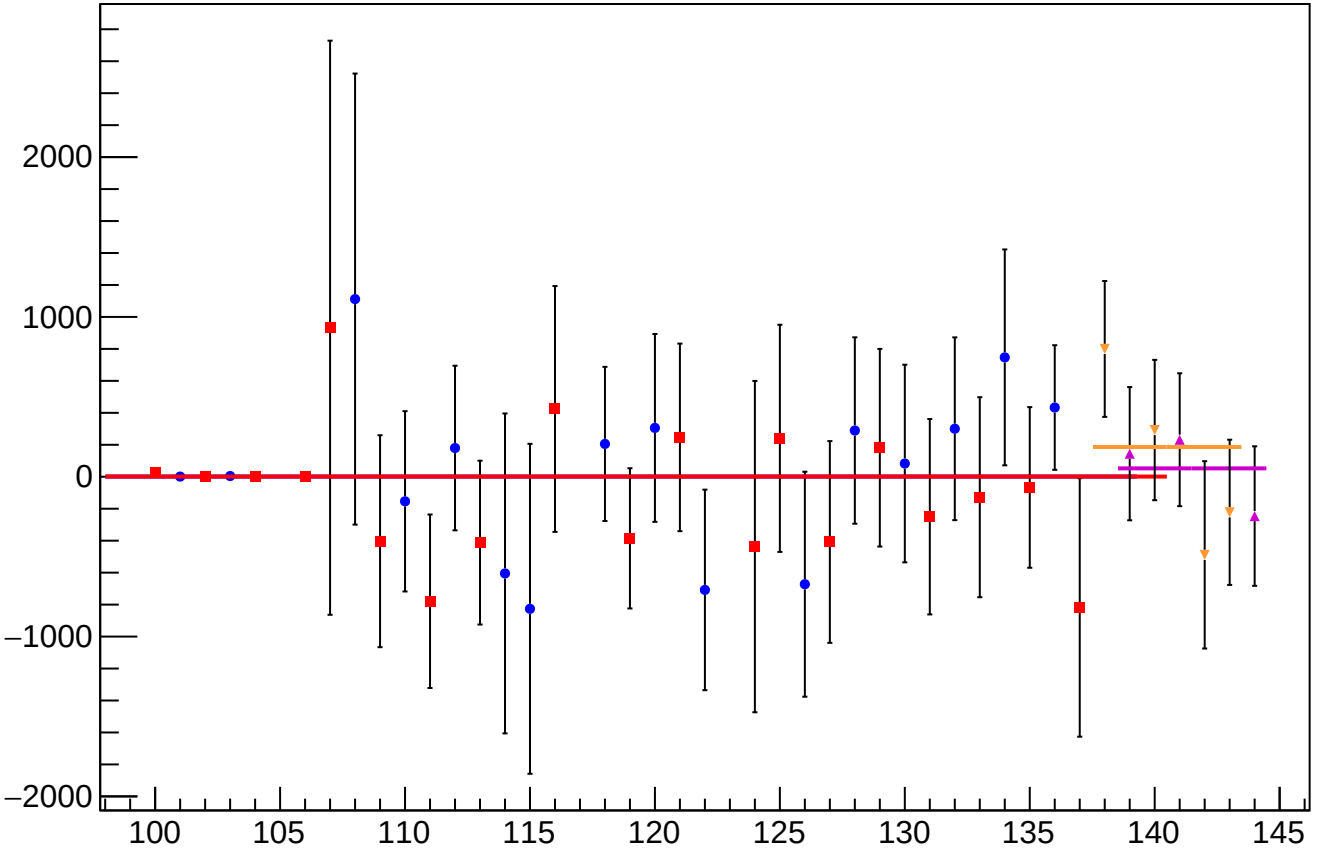
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 205.659+/-0.053 χ^2/NDF:4114723.3/18

Out: 193.063+/-0.050 χ^2/NDF:4708172.1/22

All: 198.997+/-0.036 χ^2/NDF: 8852919.3/41

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 186.259+/-232.628 χ^2/NDF:4.3/3

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 52.441+/-244.040 χ^2/NDF:0.7/2

Left: 122.552+/-168.383 χ^2/NDF: 5.1/6

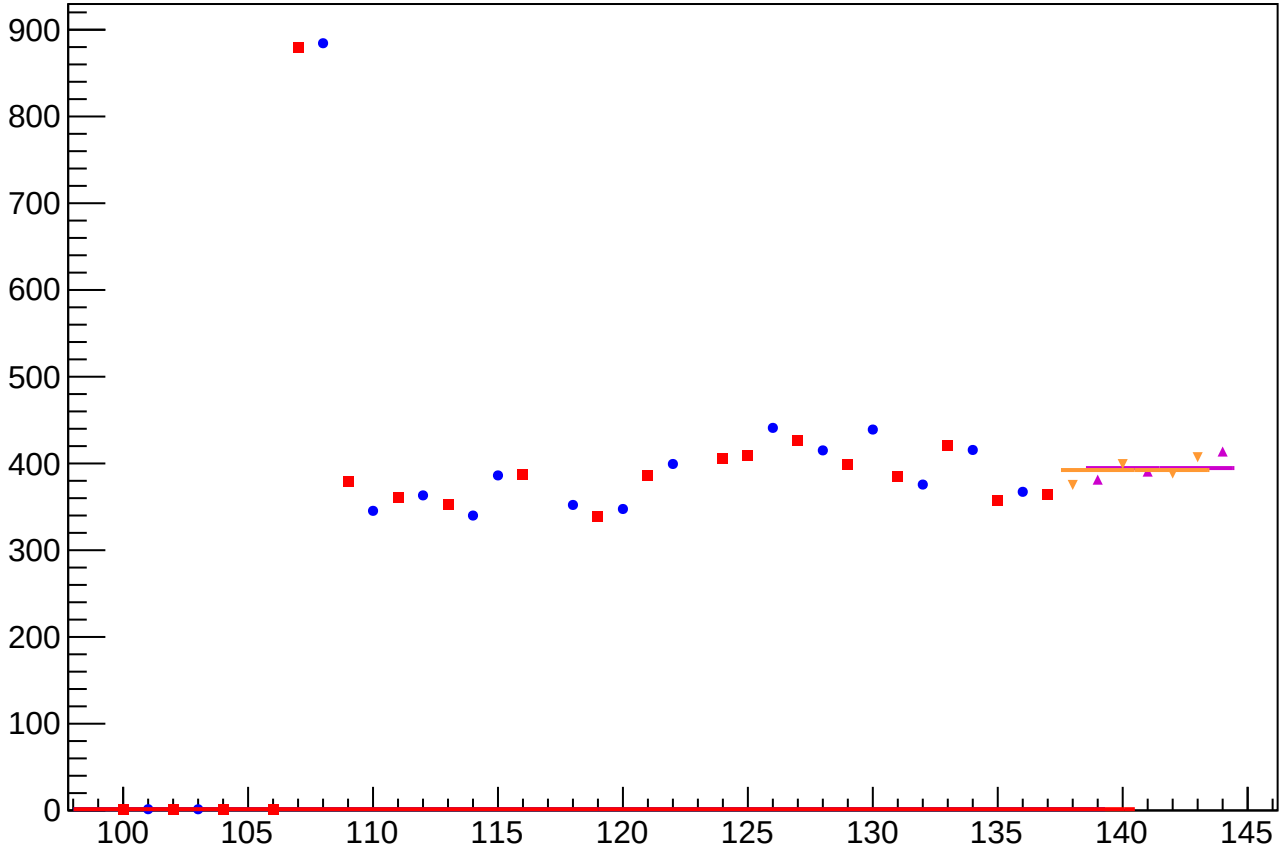
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.458+/-1.660 χ^2/NDF:8.6/18

Out: 1.102+/-1.528 χ^2/NDF:14.1/22

All: 1.265+/-1.124 χ^2/NDF: 22.7/41

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 392.423+/-0.164 χ^2/NDF:5967.6/3

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 394.688+/-0.173 χ^2/NDF:6056.9/2

Left: 393.501+/-0.119 χ^2/NDF: 12114.7/6

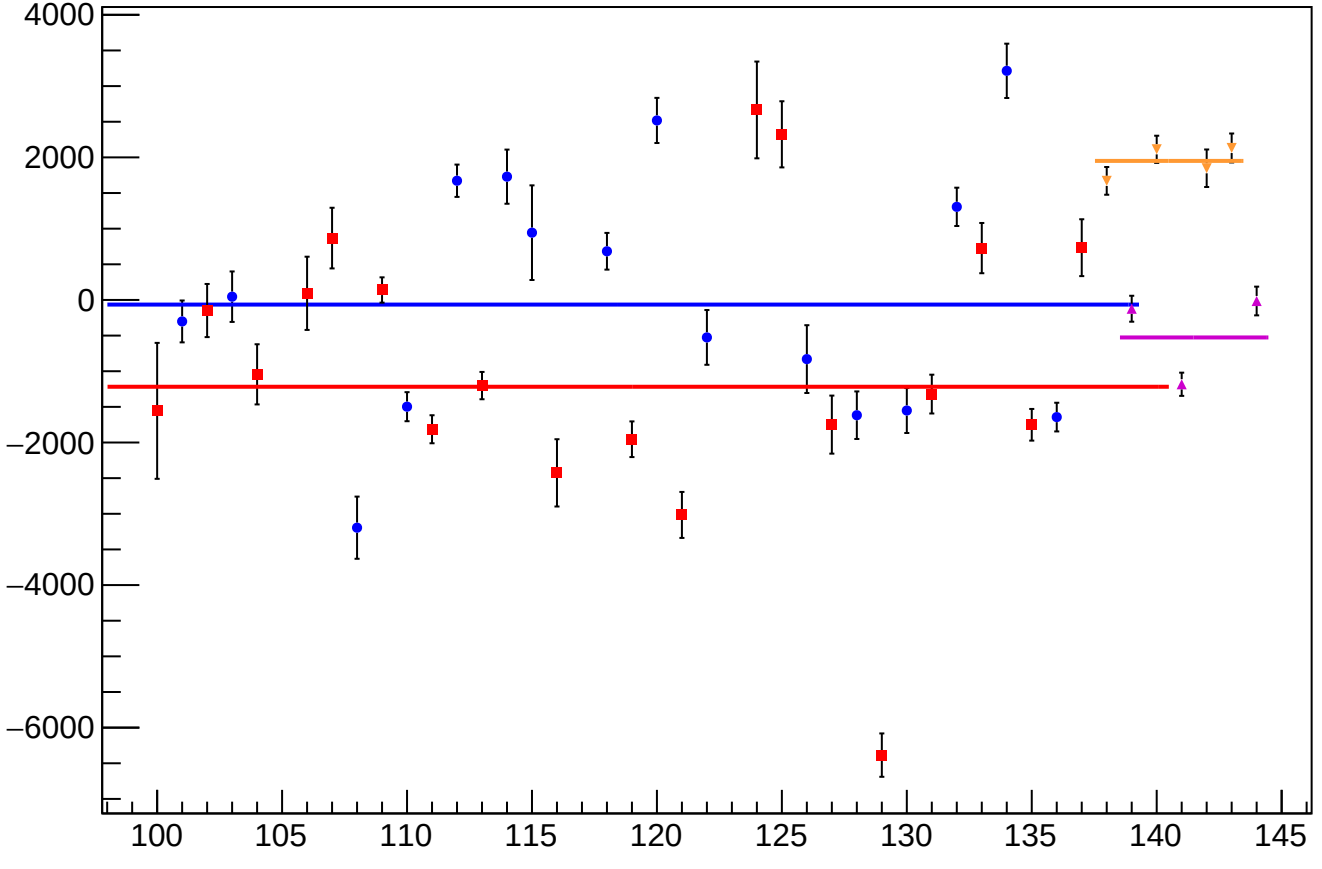
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.488+/-0.001 χ^2/NDF:16933624.4/18

Out: 1.484+/-0.001 χ^2/NDF:16925013.1/22

All: 1.486+/-0.001 χ^2/NDF: 33858645.0/41

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1950.590+/-103.897 χ^2/NDF:3.8/3

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -526.191+/-103.944 χ^2/NDF:27.6/2

Left: 712.758+/-73.483 χ^2/NDF: 315.4/6

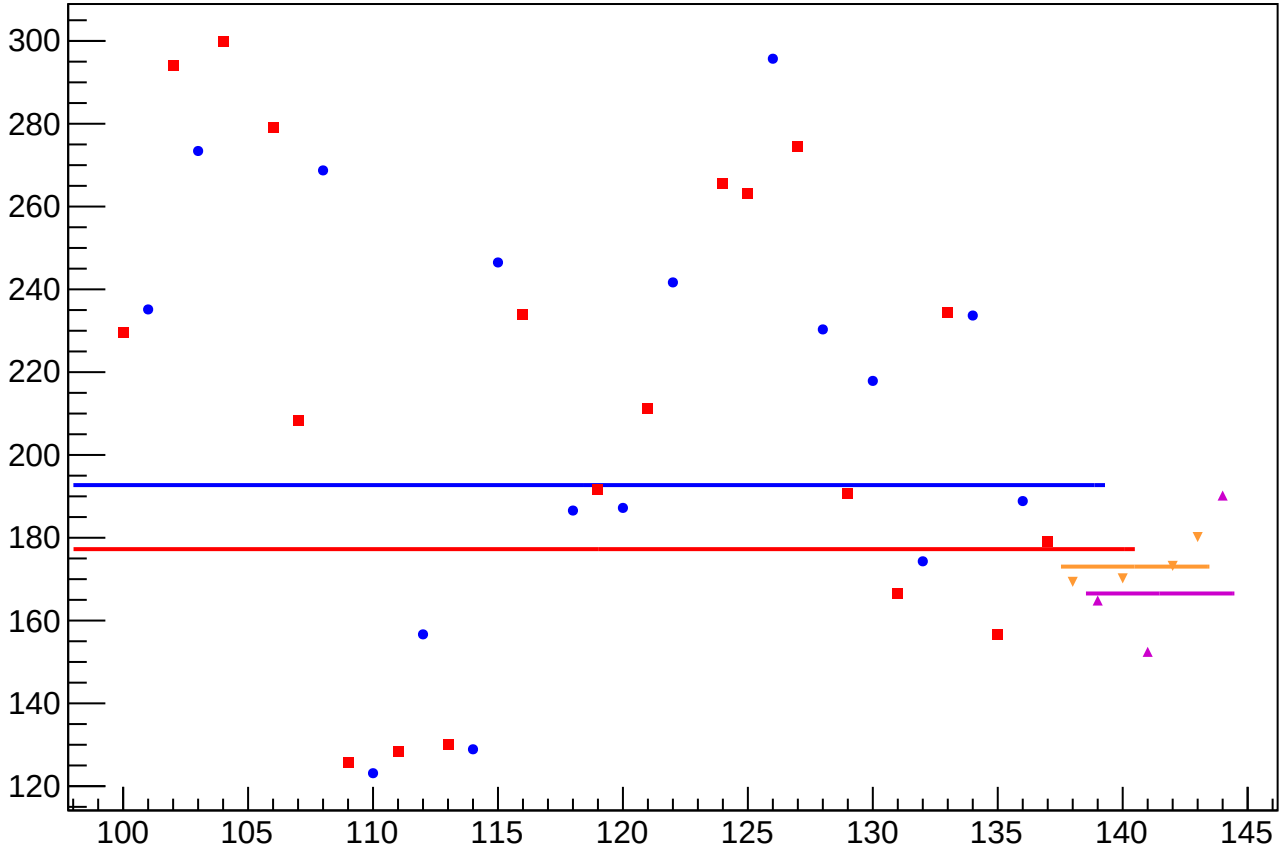
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -222.604+/-60.765 χ^2/NDF:510.0/18

Out: -247.675+/-57.492 χ^2/NDF:1243.6/22

All: -235.833+/-41.762 χ^2/NDF: 1753.7/41

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 173.033+/-0.073 χ^2/NDF:3628.8/3

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 166.541+/-0.073 χ^2/NDF:42729.4/2

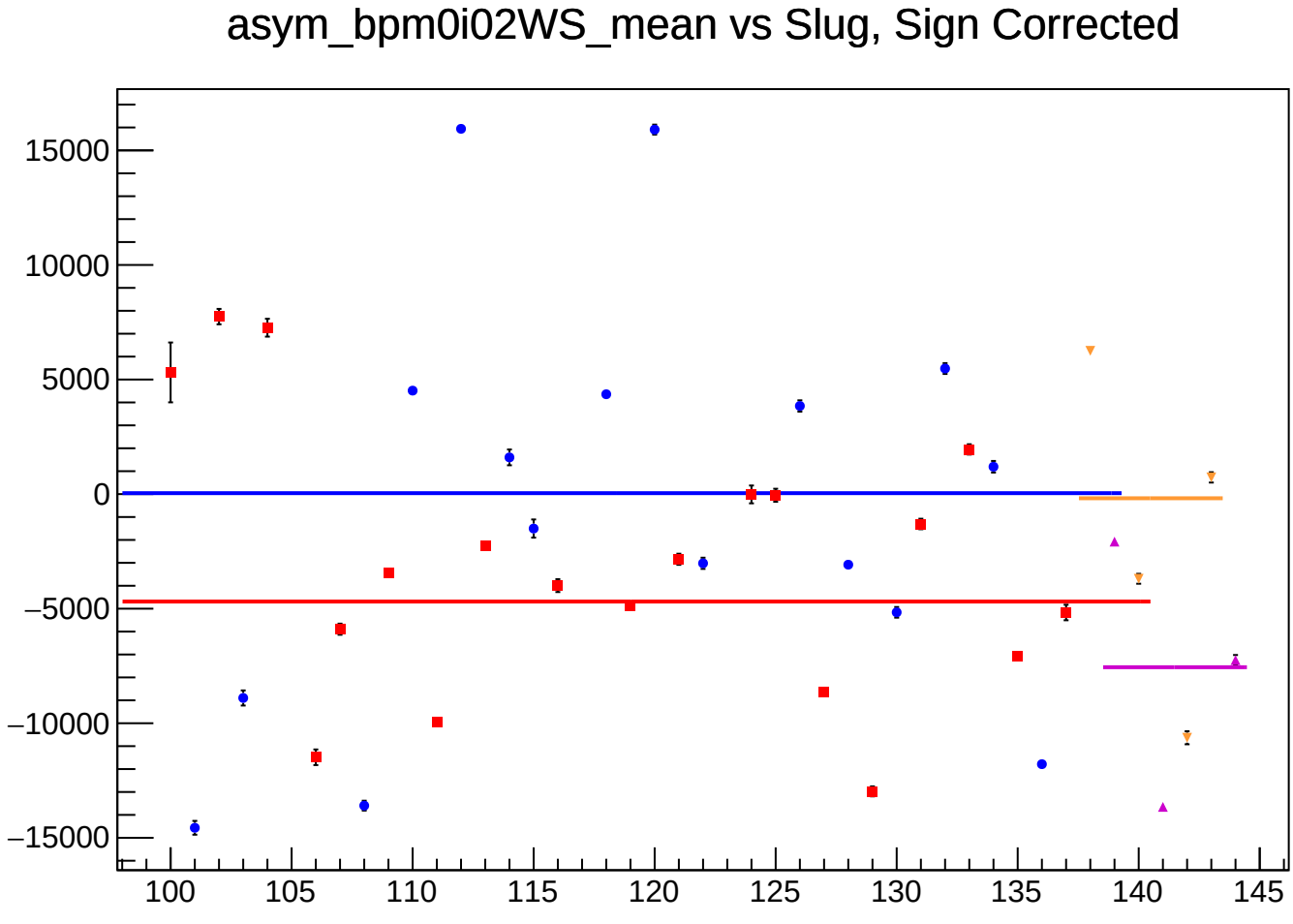
Left: 169.788+/-0.052 χ^2/NDF: 50260.7/6

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 183.773+/-0.043 χ^2/NDF:885381.1/18

Out: 175.959+/-0.041 χ^2/NDF:1232096.7/22

All: 179.650+/-0.030 χ^2/NDF: 2134925.7/41



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7555.031+/-115.432 χ^2/NDF:1818.5/2

Left: -3699.852+/-79.735 χ^2/NDF: 6776.2/6

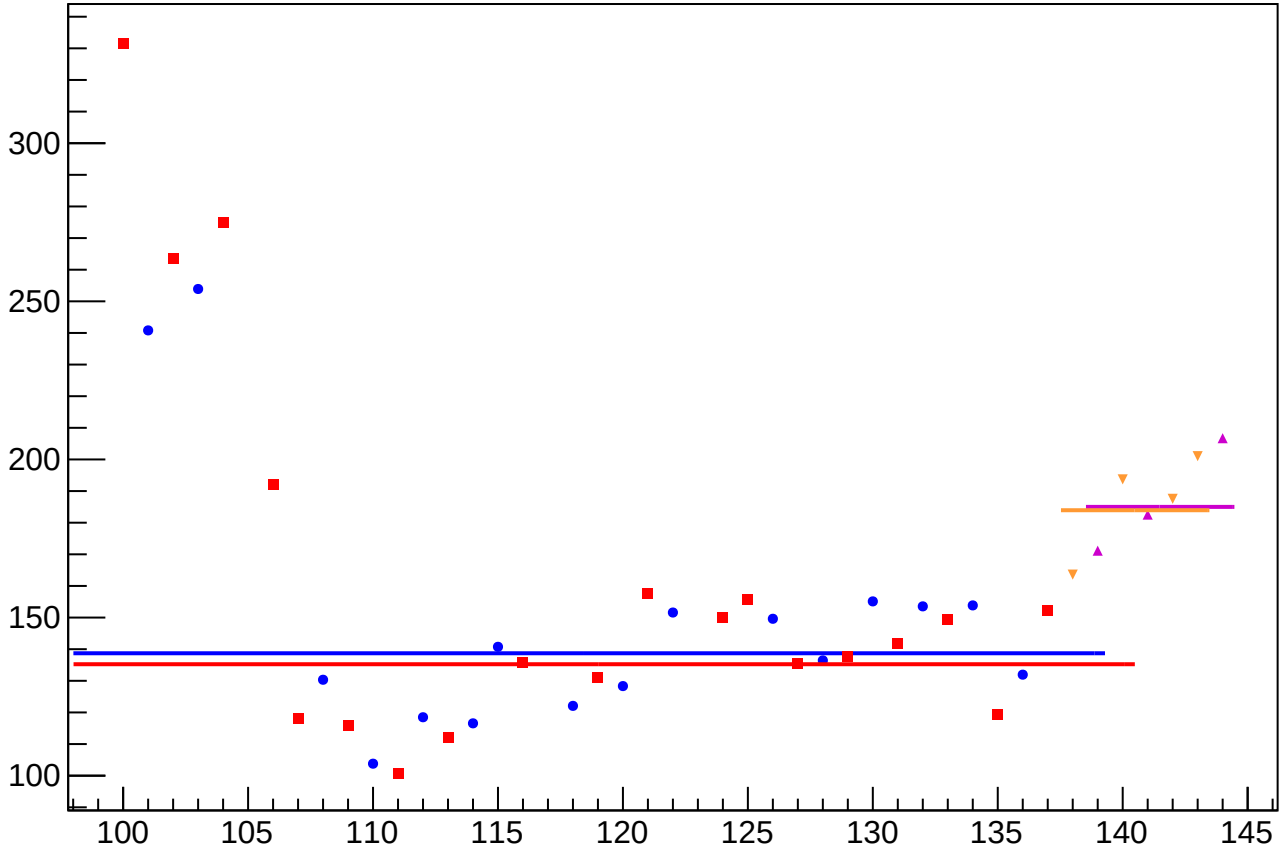
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1331.178+/-49.060 χ^2/NDF:36152.8/18

Out: -3867.160+/-47.103 χ^2/NDF:11986.4/22

All: -2650.756+/-33.978 χ^2/NDF: 49529.6/41

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 184.998+/-0.082 χ^2/NDF:30670.9/2

Left: 184.446+/-0.056 χ^2/NDF: 70580.7/6

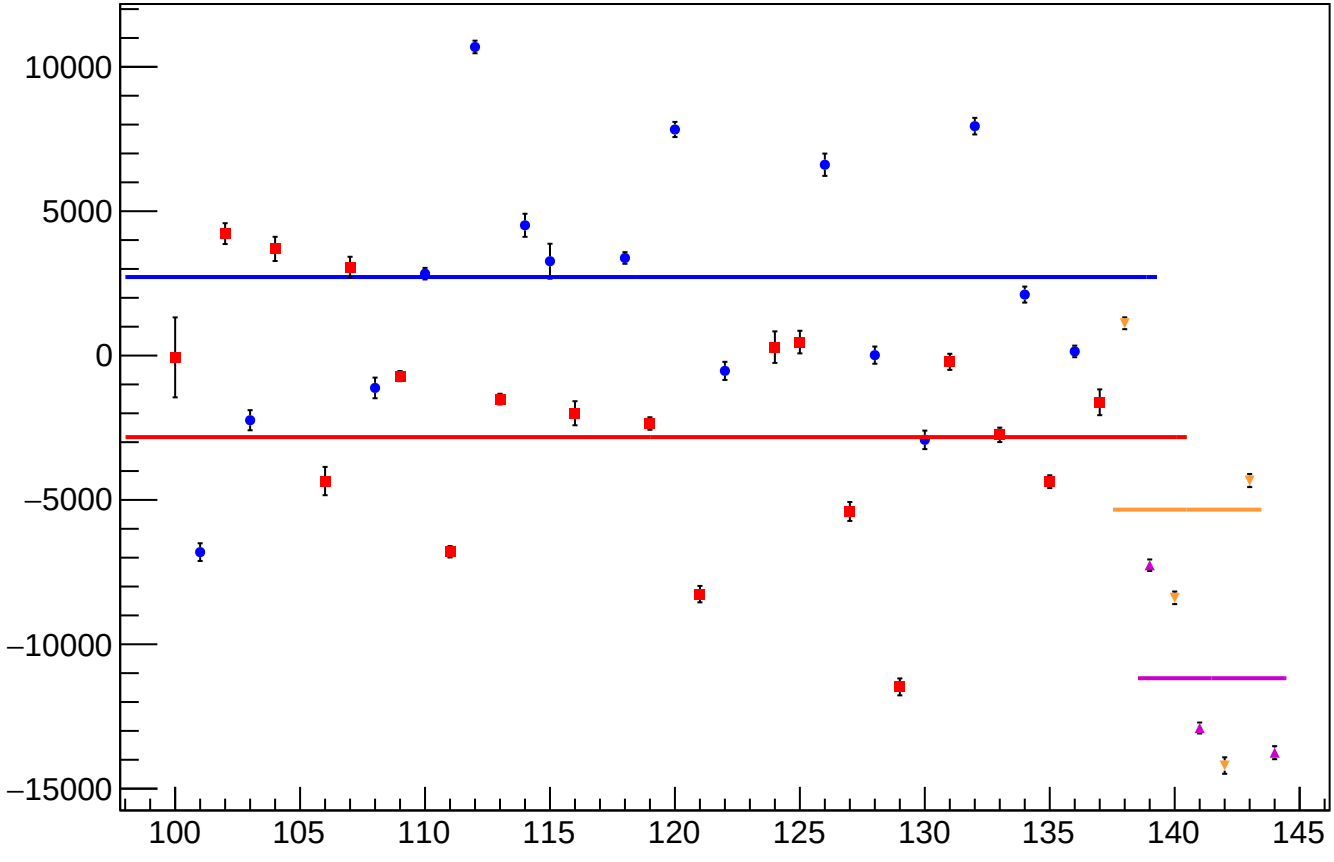
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 147.073+/-0.035 χ^2/NDF:951948.0/18

Out: 144.131+/-0.033 χ^2/NDF:1248717.5/22

All: 145.542+/-0.024 χ^2/NDF: 2204408.4/41

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11175.302+/-117.395 χ^2/NDF:598.6/2

Left: -8181.279+/-81.942 χ^2/NDF: 4032.0/6

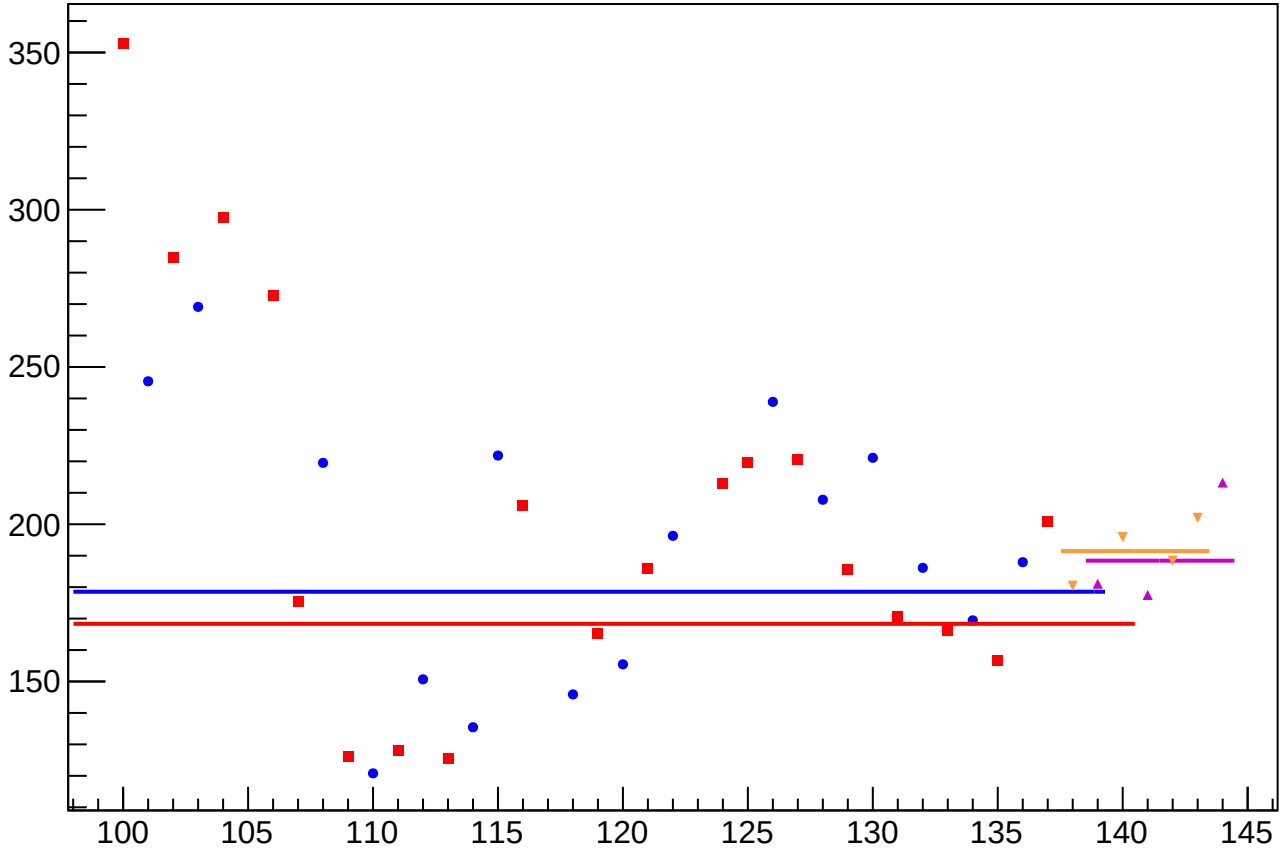
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -866.827+/-59.644 χ^2/NDF:15121.3/18

Out: -3434.549+/-56.420 χ^2/NDF:5592.8/22

All: -2221.960+/-40.987 χ^2/NDF: 21692.2/41

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 188.409+/-0.083 χ^2/NDF:33476.2/2

Left: 189.971+/-0.058 χ^2/NDF: 45349.2/6

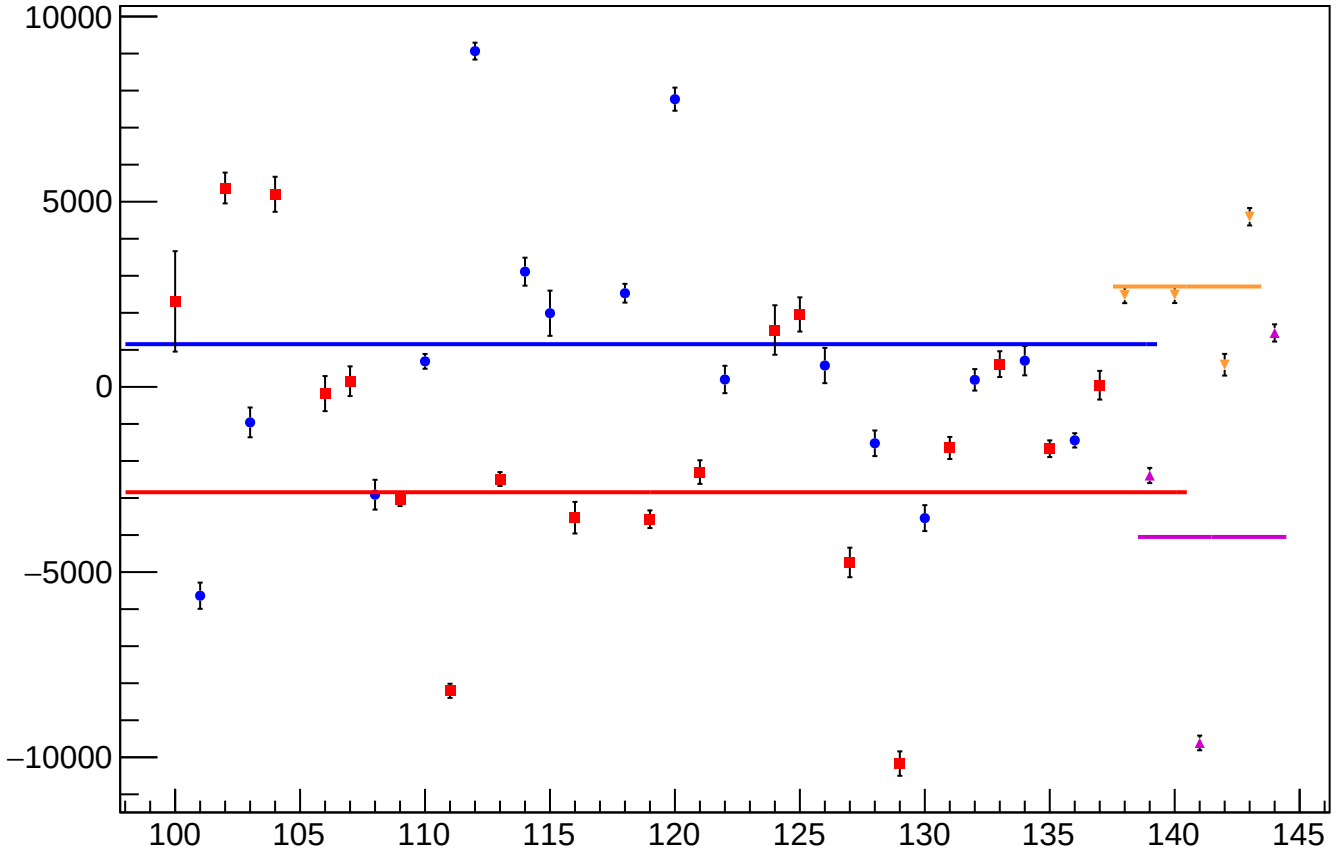
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.088+/-0.042 χ^2/NDF:718526.6/18

Out: 173.955+/-0.040 χ^2/NDF:1052465.1/22

All: 177.324+/-0.029 χ^2/NDF: 1786089.1/41

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -4050.917+/-121.771 χ^2/NDF:1407.4/2

Left: -585.796+/-85.022 χ^2/NDF: 3105.5/6

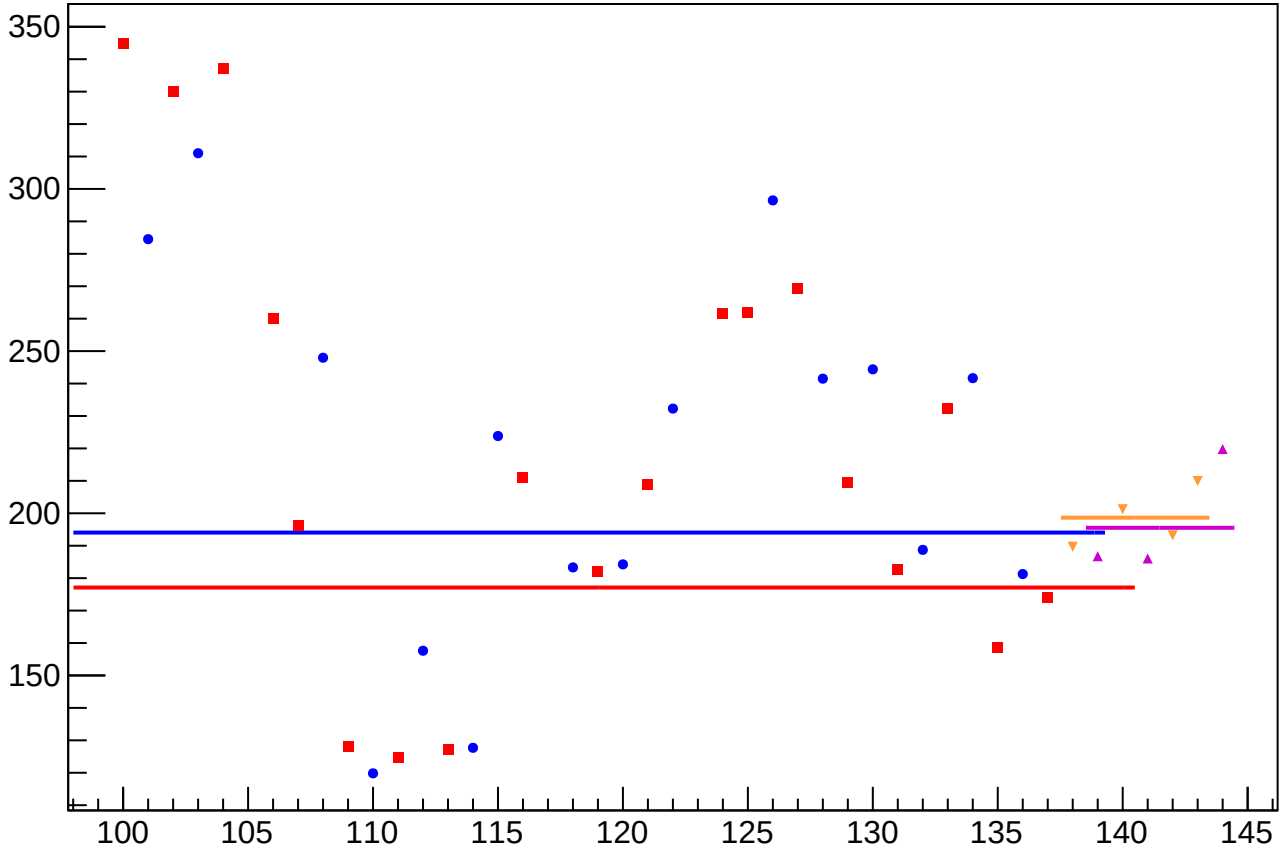
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -304.044+/-64.447 χ^2/NDF:5377.9/18

Out: -1438.010+/-59.752 χ^2/NDF:4204.8/22

All: -913.835+/-43.817 χ^2/NDF: 9749.2/41

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 195.534+/-0.086 χ^2/NDF:29890.8/2

Left: 197.129+/-0.060 χ^2/NDF: 39566.0/6

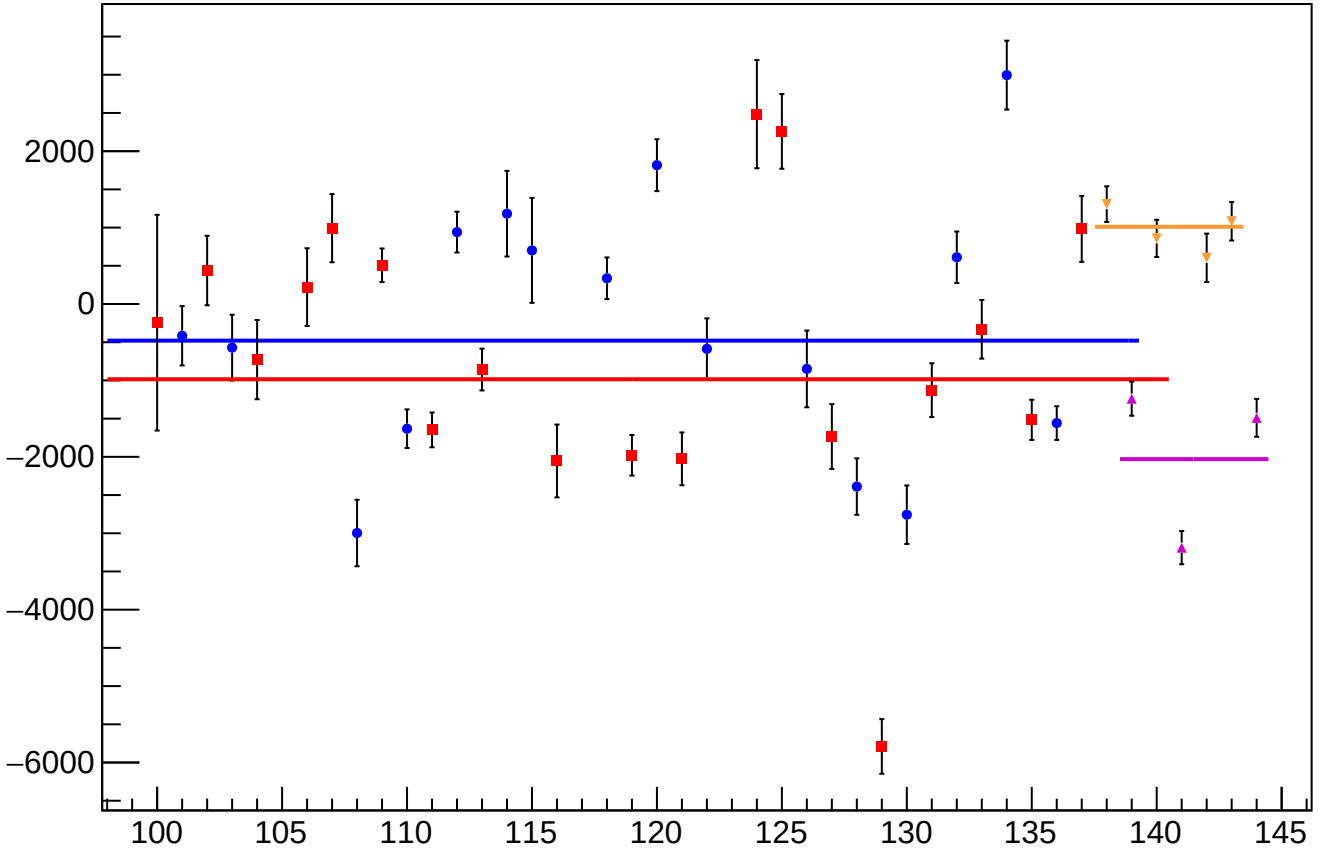
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.468+/-0.046 χ^2/NDF:995889.8/18

Out: 182.565+/-0.042 χ^2/NDF:1417451.4/22

All: 188.067+/-0.031 χ^2/NDF: 2450025.5/41

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2029.548+/-131.776 χ^2/NDF:45.8/2

Left: -465.459+/-91.819 χ^2/NDF: 323.4/6

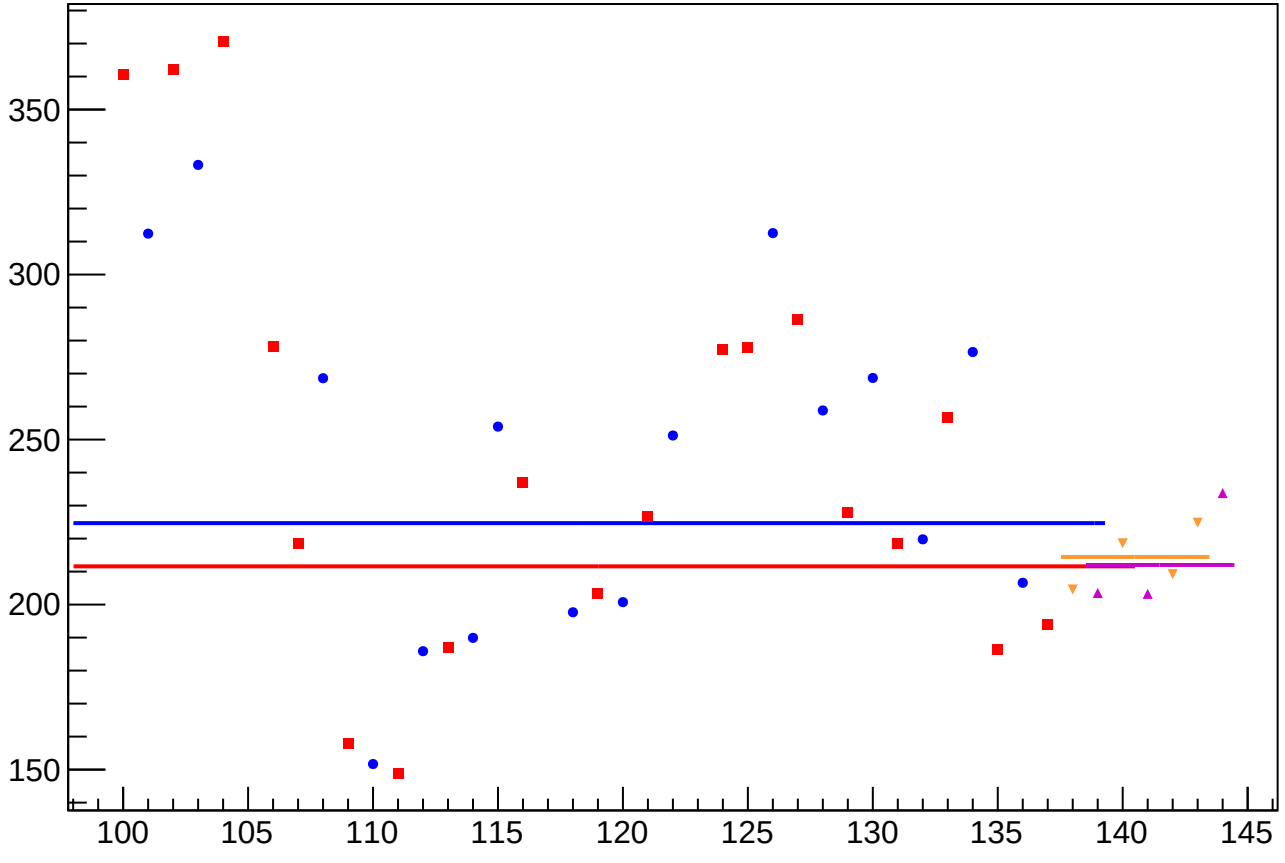
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -947.522+/-72.421 χ^2/NDF:447.9/18

Out: -414.653+/-68.415 χ^2/NDF:575.4/22

All: -665.943+/-49.732 χ^2/NDF: 1051.9/41

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.007+/-0.093 χ^2/NDF:21636.0/2

Left: 213.254+/-0.065 χ^2/NDF: 30078.6/6

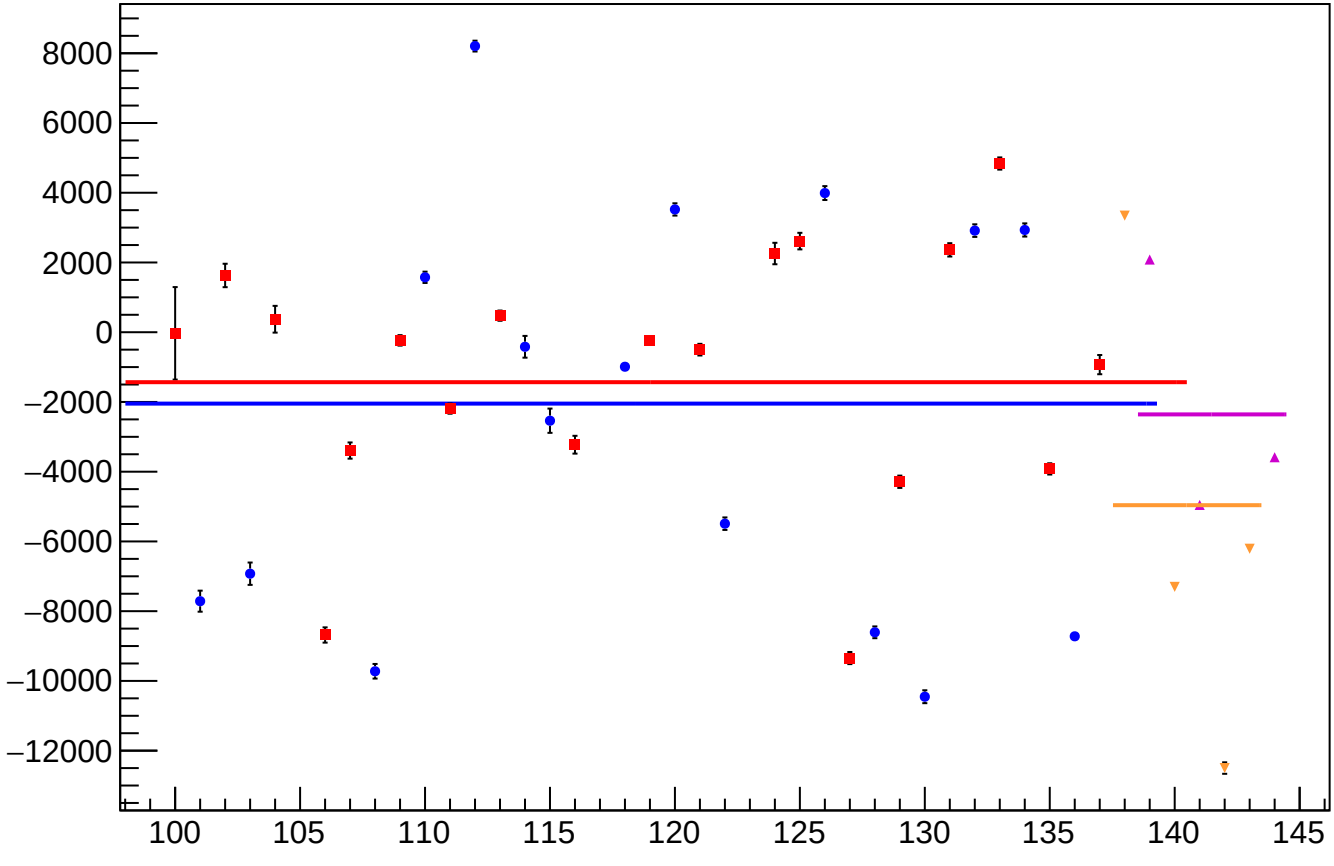
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.854+/-0.051 χ^2/NDF:687745.0/18

Out: 212.405+/-0.048 χ^2/NDF:941698.4/22

All: 216.390+/-0.035 χ^2/NDF: 1643828.9/41

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -2356.719+/-69.363 χ^2/NDF:1828.0/2

Left: -3724.248+/-47.795 χ^2/NDF: 9354.2/6

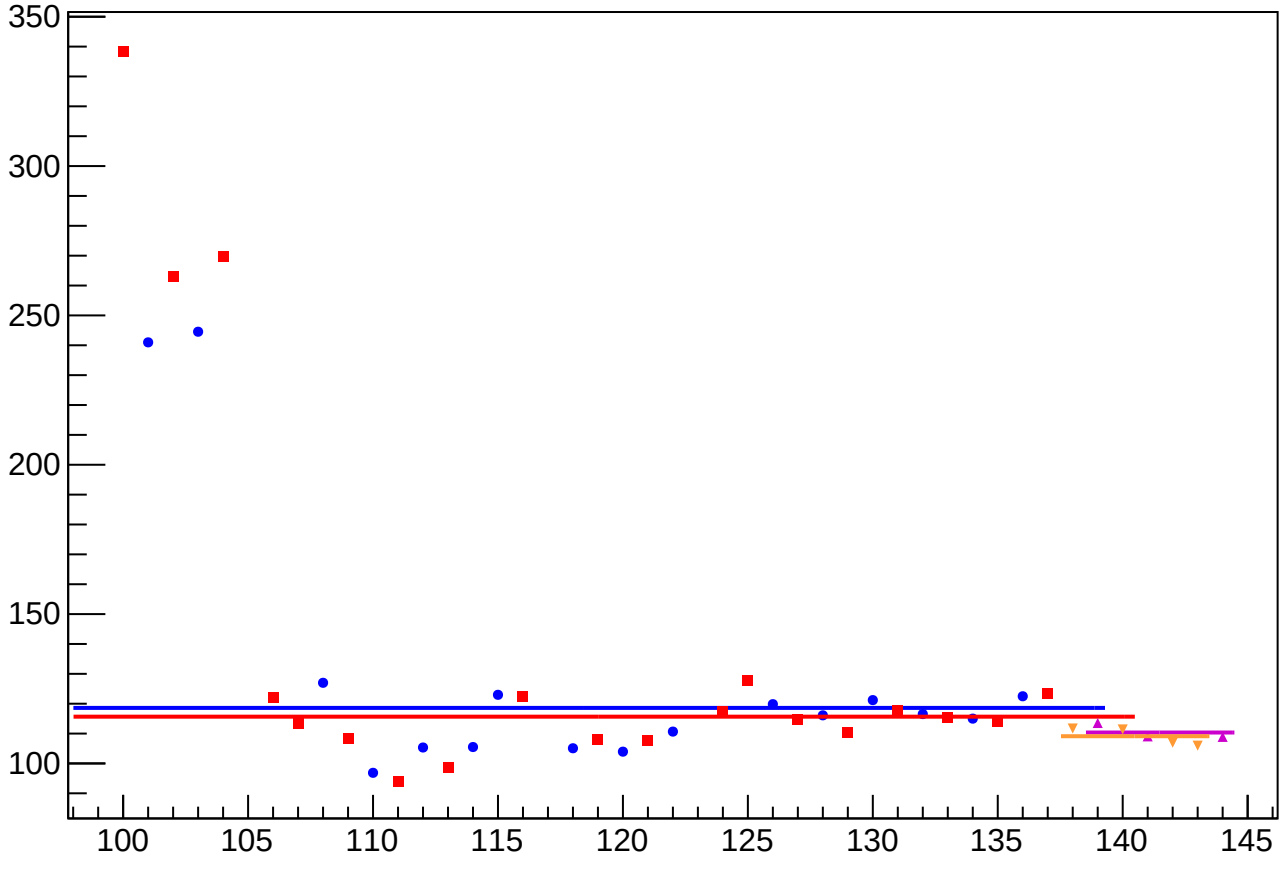
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2143.849+/-38.751 χ^2/NDF:18550.9/18

Out: -2544.331+/-37.018 χ^2/NDF:15133.5/22

All: -2353.244+/-26.767 χ^2/NDF: 33740.2/41

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 110.353+/-0.049 χ^2/NDF:1824.0/2

Left: 109.702+/-0.034 χ^2/NDF: 5358.7/6

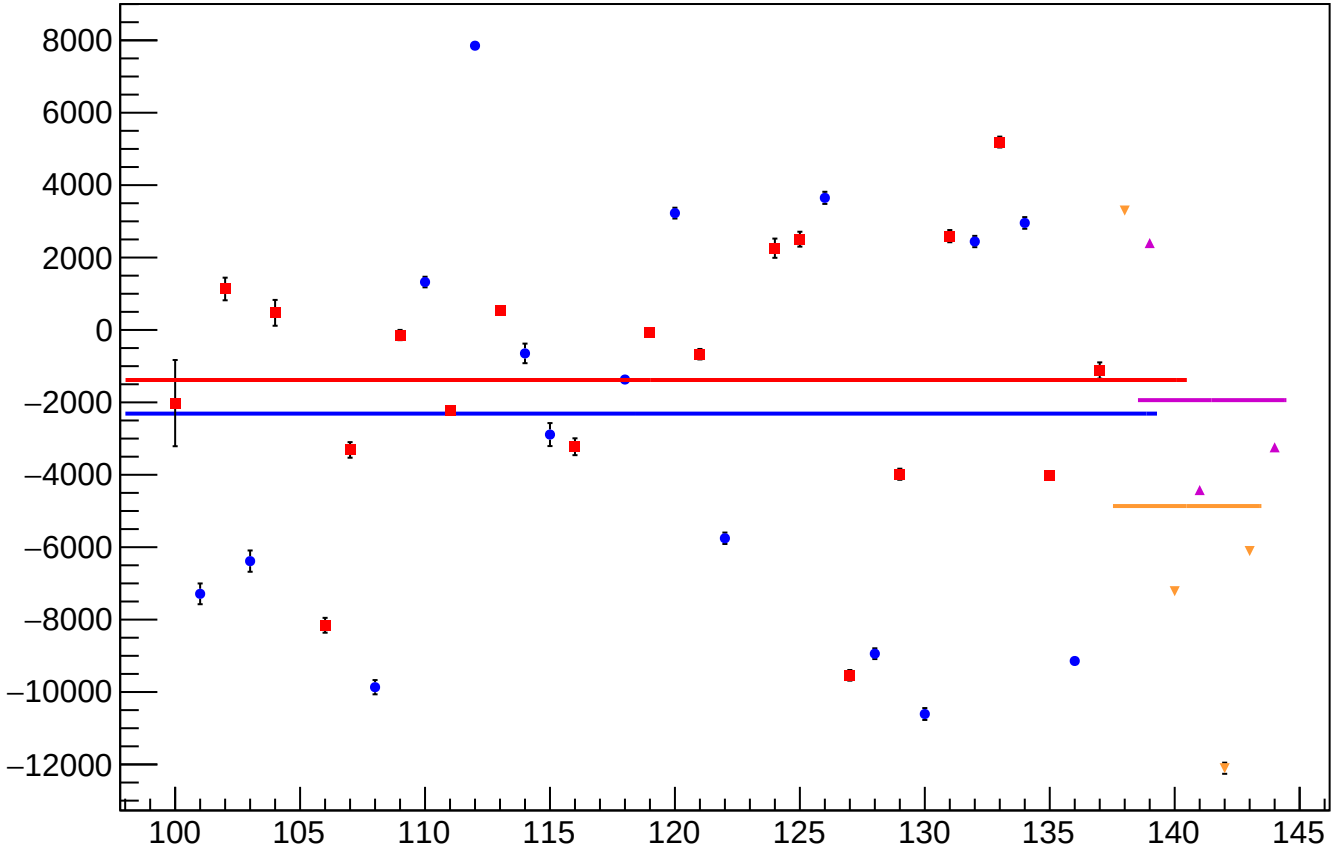
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.023+/-0.027 χ^2/NDF:755410.3/18

Out: 113.597+/-0.026 χ^2/NDF:880902.3/22

All: 114.755+/-0.019 χ^2/NDF: 1640411.7/41

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4863.364+/-59.934 χ^2/NDF:7647.3/3

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -1938.341+/-62.741 χ^2/NDF:2175.8/2

Left: -3467.766+/-43.338 χ^2/NDF: 10959.6/6

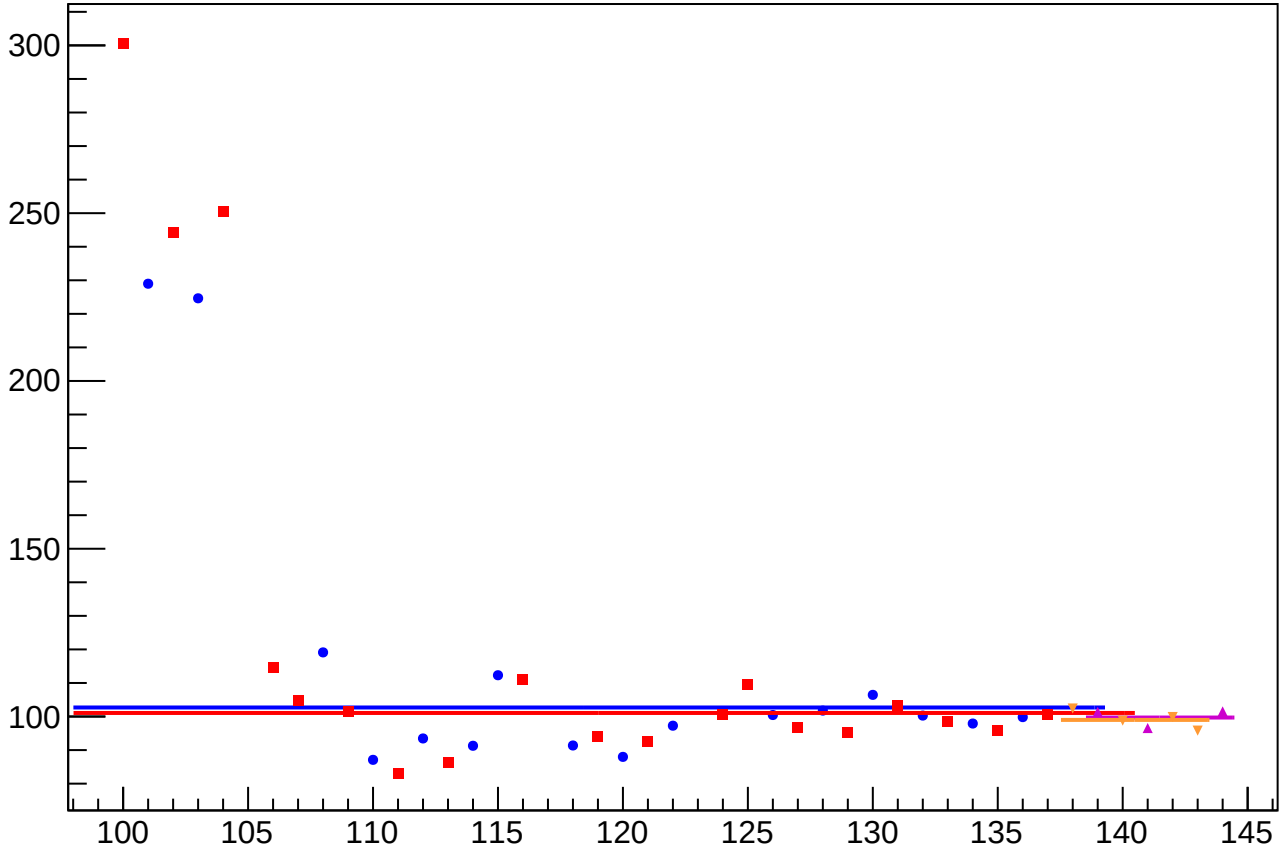
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2200.202+/-34.165 χ^2/NDF:23880.1/18

Out: -2430.484+/-32.889 χ^2/NDF:18584.0/22

All: -2319.725+/-23.694 χ^2/NDF: 42487.6/41

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 98.990+/-0.042 χ^2/NDF:3478.9/3

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 99.697+/-0.044 χ^2/NDF:2810.0/2

Left: 99.327+/-0.031 χ^2/NDF: 6421.6/6

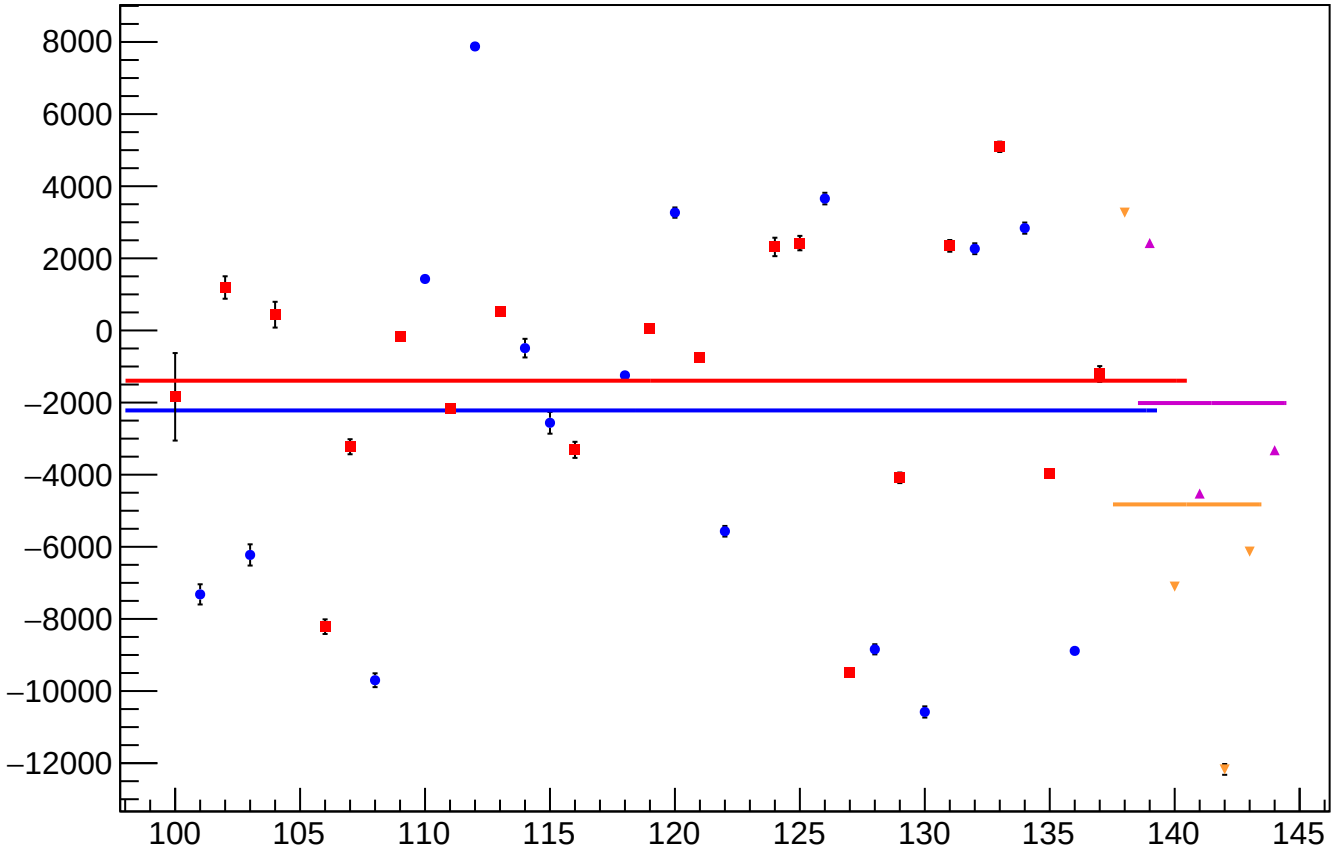
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 101.805+/-0.024 χ^2/NDF:831821.8/18

Out: 100.439+/-0.023 χ^2/NDF:935609.5/22

All: 101.096+/-0.017 χ^2/NDF: 1769090.8/41

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4824.123+/-58.028 χ^2/NDF:8174.8/3

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -2013.173+/-60.706 χ^2/NDF:2408.6/2

Left: -3482.025+/-41.947 χ^2/NDF: 11703.8/6

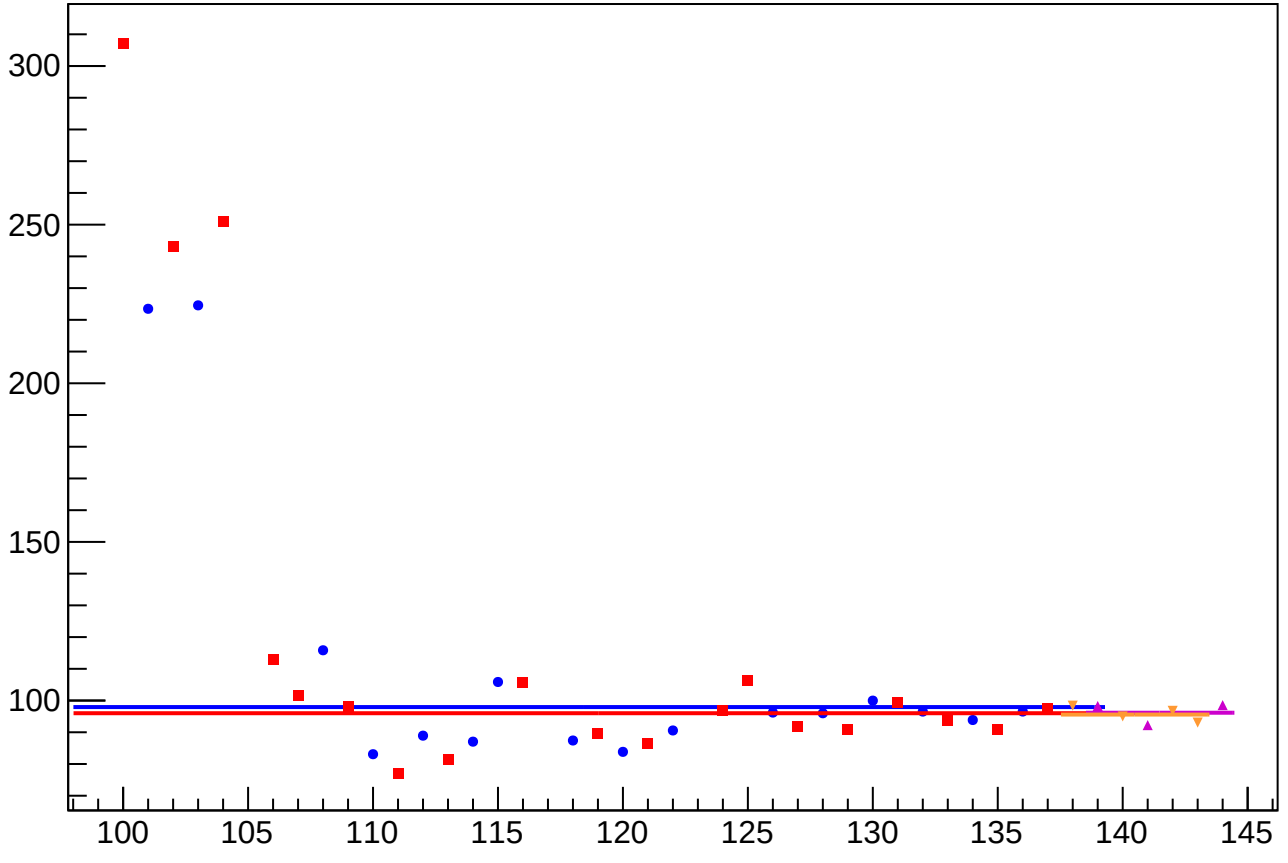
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2158.110+/-32.835 χ^2/NDF:25457.4/18

Out: -2407.214+/-31.543 χ^2/NDF:19789.3/22

All: -2287.661+/-22.747 χ^2/NDF: 45276.5/41

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 95.580+/-0.041 χ^2/NDF:2554.8/3

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 96.159+/-0.043 χ^2/NDF:4817.4/2

Left: 95.857+/-0.030 χ^2/NDF: 7467.1/6

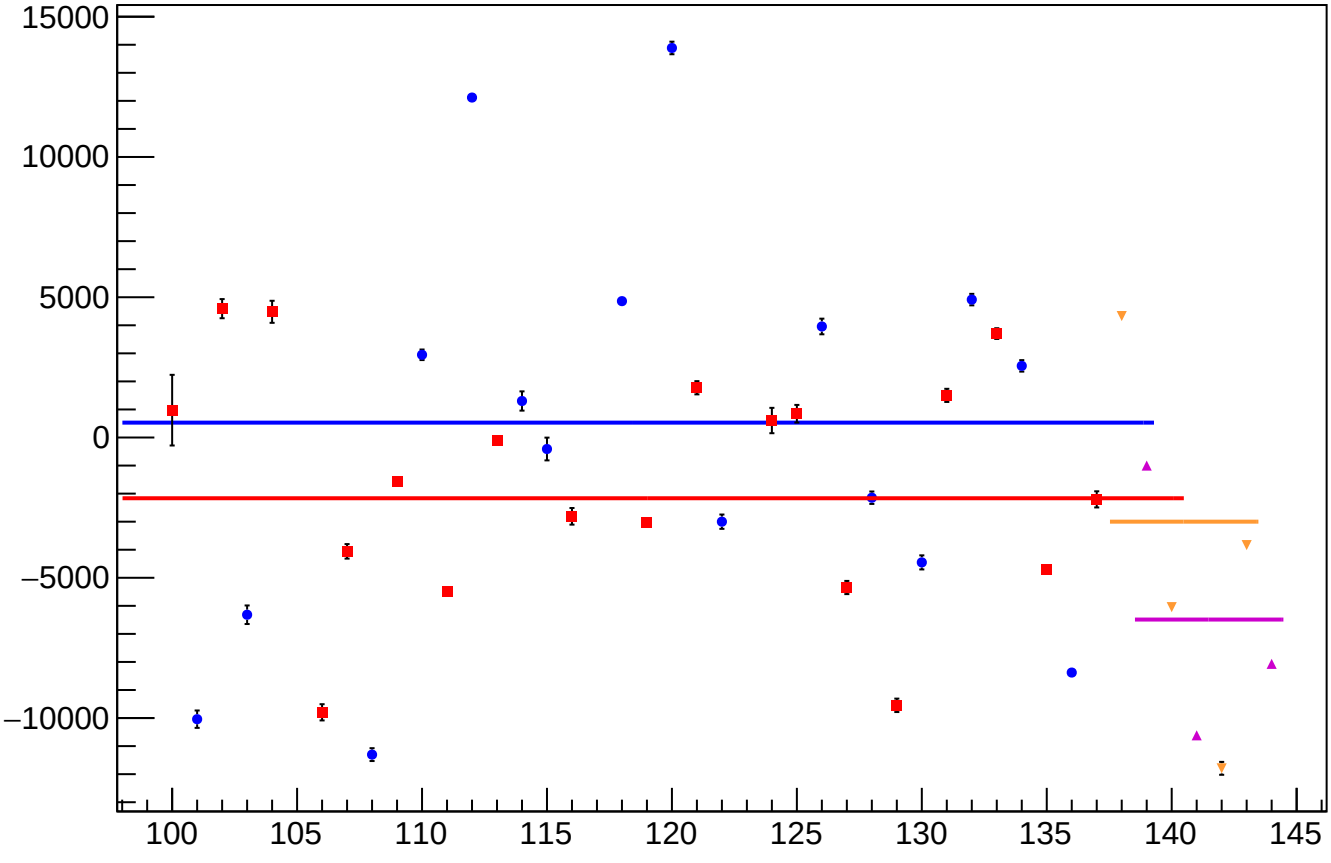
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 97.422+/-0.023 χ^2/NDF:874188.7/18

Out: 95.879+/-0.022 χ^2/NDF:1014917.2/22

All: 96.619+/-0.016 χ^2/NDF: 1891400.3/41

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2999.489+/-87.537 χ^2/NDF:4015.0/3

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6488.862+/-93.173 χ^2/NDF:1962.5/2

Left: -4635.449+/-63.798 χ^2/NDF: 6722.4/6

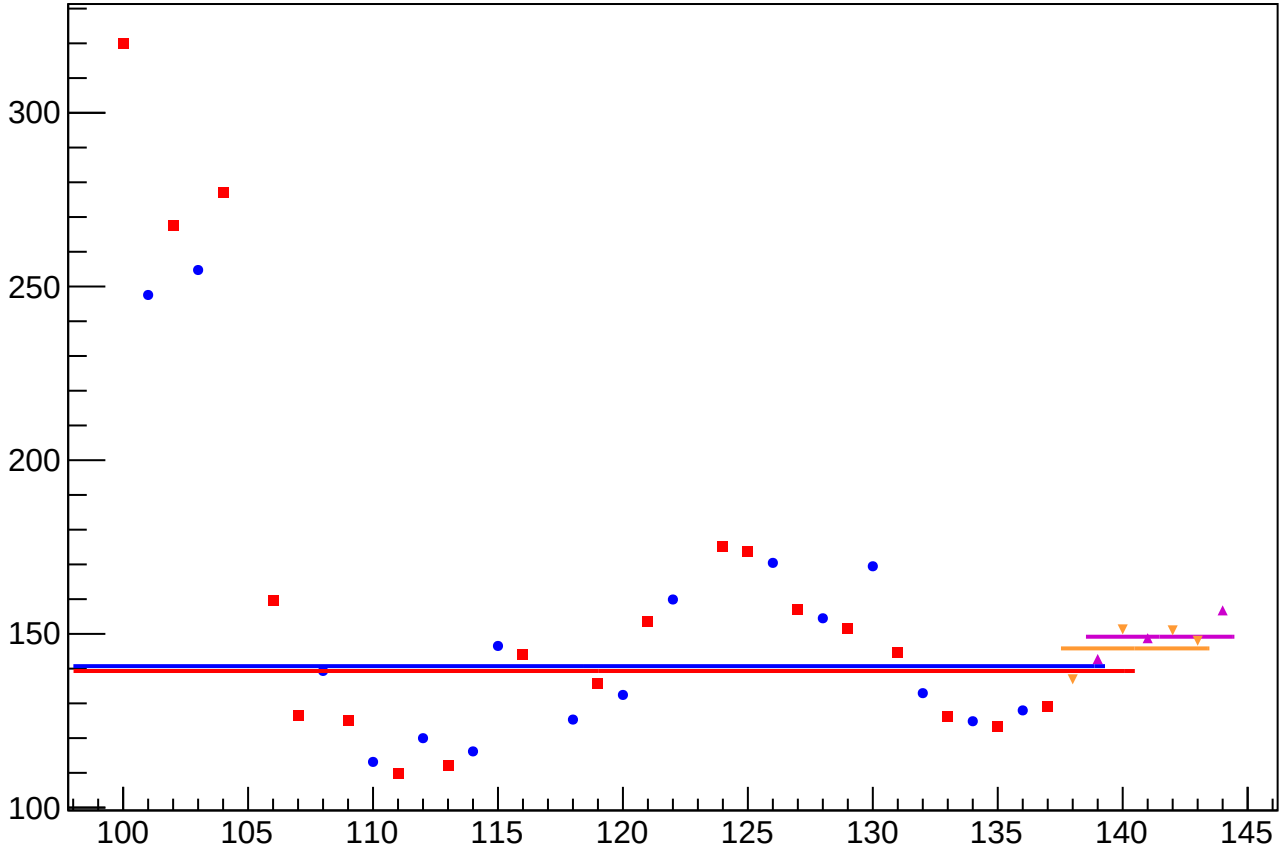
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -1276.208+/-47.271 χ^2/NDF:24764.9/18

Out: -2391.675+/-45.623 χ^2/NDF:9048.3/22

All: -1853.717+/-32.828 χ^2/NDF: 34101.5/41

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 145.823+/-0.062 χ^2/NDF:9948.9/3

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 149.187+/-0.066 χ^2/NDF:7430.0/2

Left: 147.400+/-0.045 χ^2/NDF: 18763.9/6

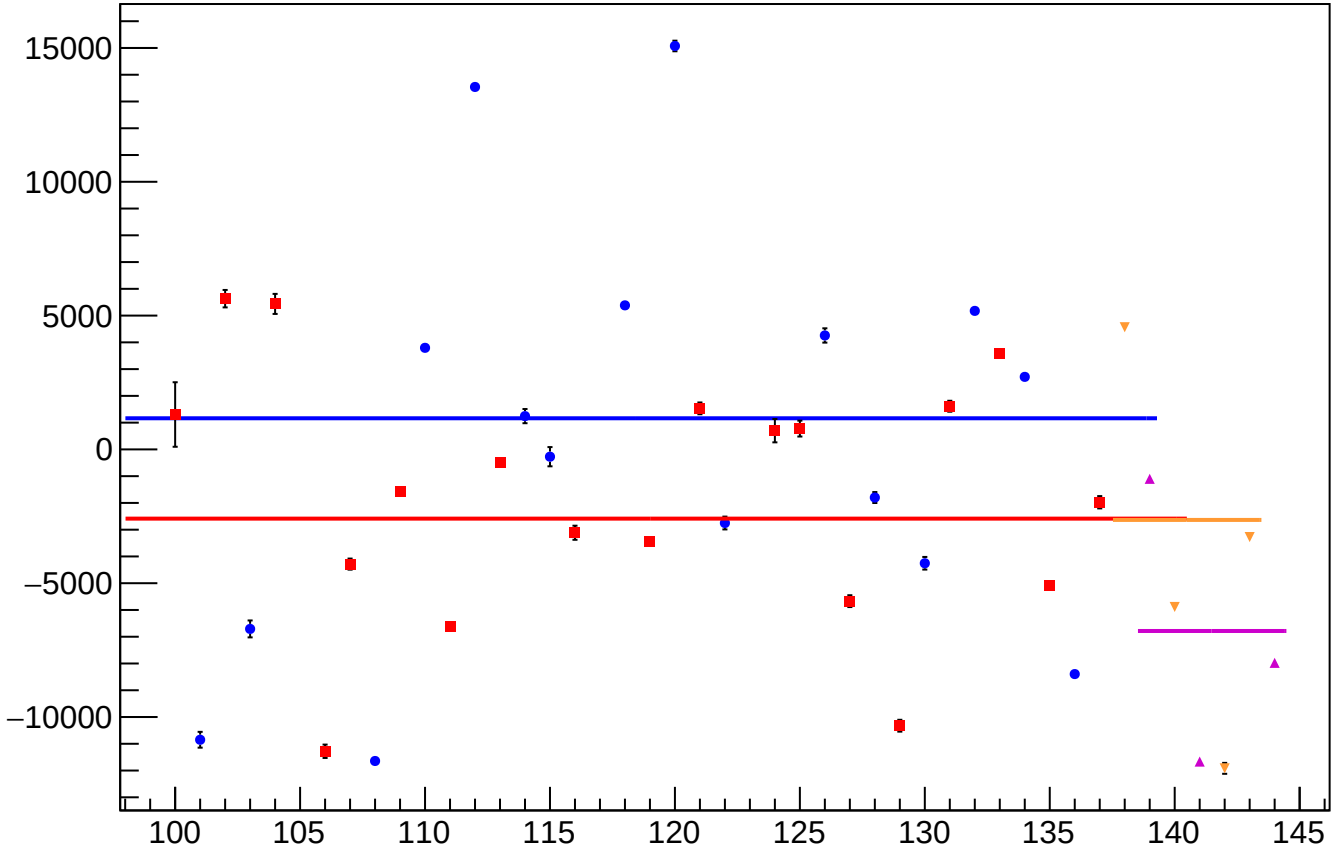
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 142.896+/-0.033 χ^2/NDF:695327.0/18

Out: 141.084+/-0.032 χ^2/NDF:820311.6/22

All: 141.958+/-0.023 χ^2/NDF: 1517159.5/41

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2635.239+/-76.804 χ^2/NDF:5432.0/3

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6785.242+/-81.774 χ^2/NDF:3048.6/2

Left: -4580.299+/-55.983 χ^2/NDF: 9848.9/6

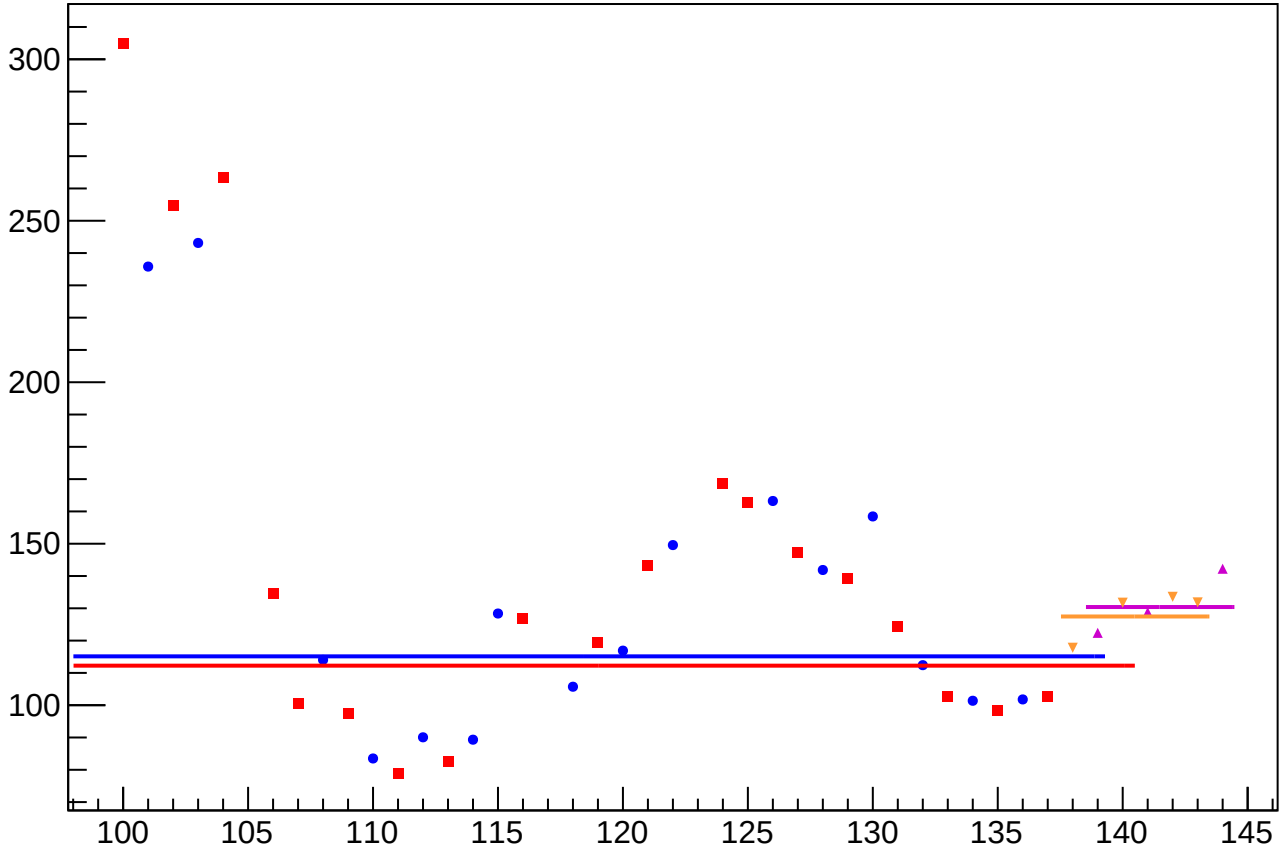
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -743.154+/-40.046 χ^2/NDF:40984.6/18

Out: -2598.840+/-38.346 χ^2/NDF:13532.0/22

All: -1711.219+/-27.696 χ^2/NDF: 55636.8/41

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 127.467+/-0.054 χ^2/NDF:15511.2/3

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 130.397+/-0.058 χ^2/NDF:19363.3/2

Left: 128.841+/-0.040 χ^2/NDF: 36238.8/6

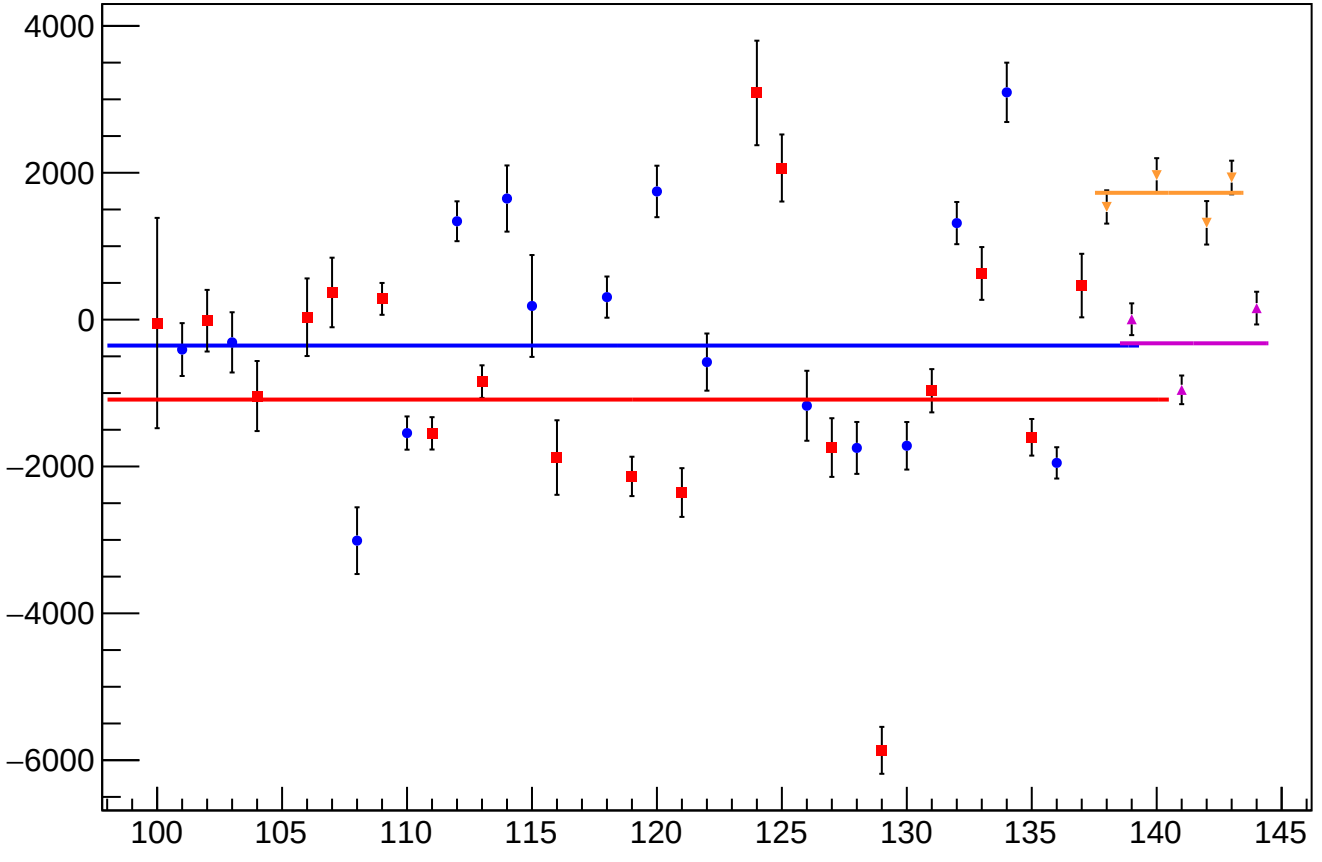
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 118.788+/-0.028 χ^2/NDF:1185378.2/18

Out: 116.037+/-0.027 χ^2/NDF:1402677.8/22

All: 117.353+/-0.020 χ^2/NDF: 2592980.9/41

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1727.099+/-120.870 χ^2/NDF:4.5/3

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -322.567+/-121.446 χ^2/NDF:17.5/2

Left: 707.139+/-85.671 χ^2/NDF: 165.1/6

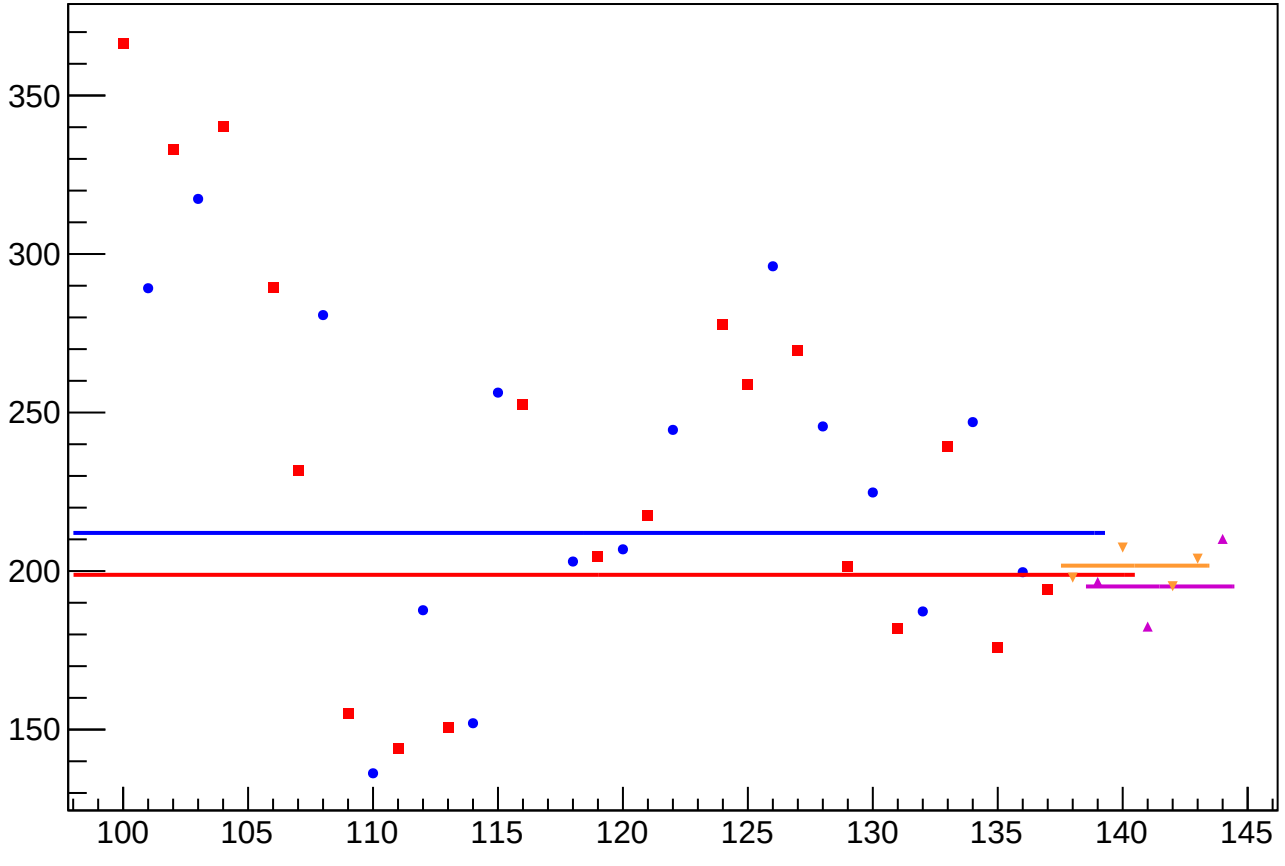
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -343.537+/-68.037 χ^2/NDF:379.3/18

Out: -284.238+/-64.607 χ^2/NDF:839.3/22

All: -312.355+/-46.850 χ^2/NDF: 1219.1/41

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 201.705+/-0.085 χ^2/NDF:2912.4/3

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 195.138+/-0.086 χ^2/NDF:17574.3/2

Left: 198.437+/-0.061 χ^2/NDF: 23424.2/6

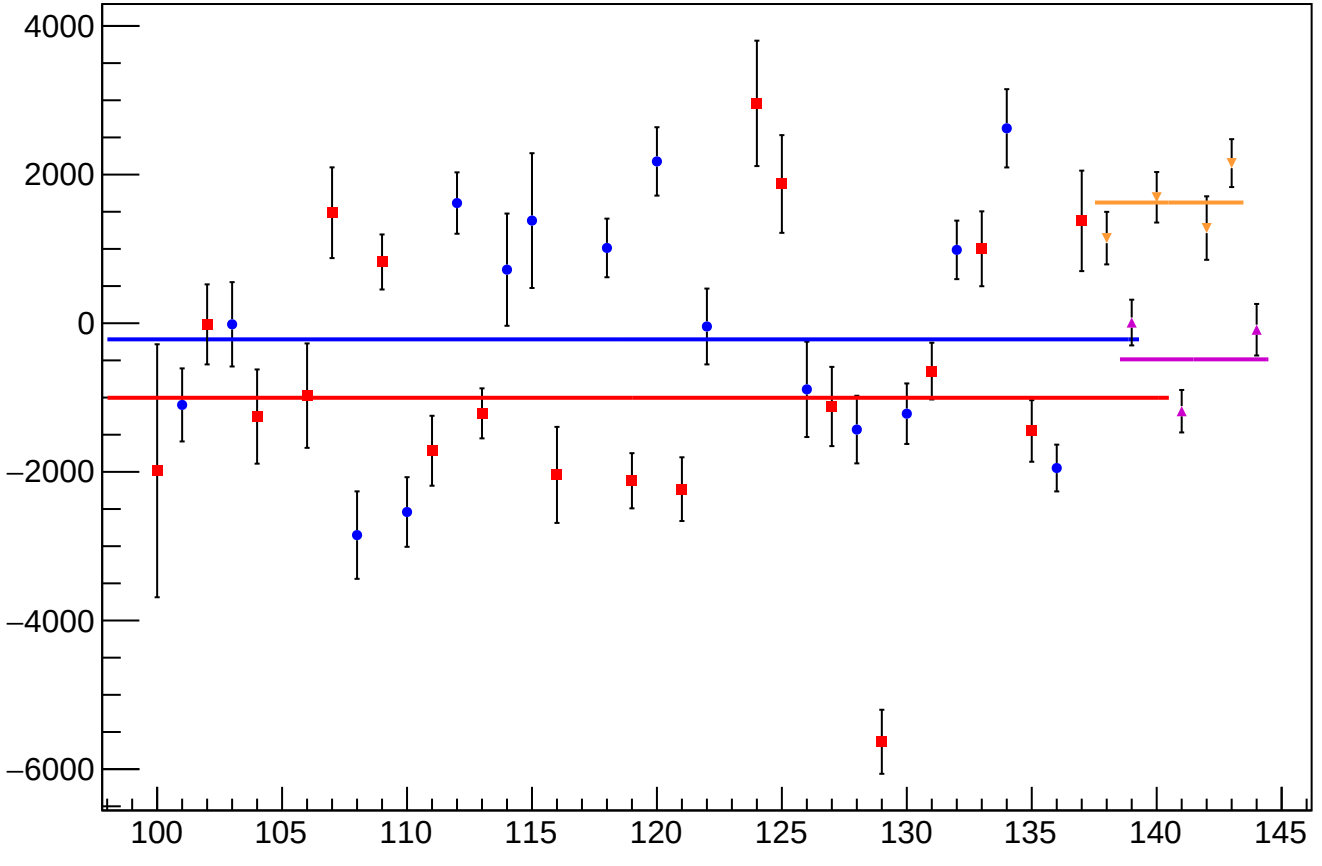
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 206.727+/-0.048 χ^2/NDF:734471.8/18

Out: 199.637+/-0.046 χ^2/NDF:978660.8/22

All: 202.999+/-0.033 χ^2/NDF: 1724553.8/41

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1624.110+/-177.451 χ^2/NDF:5.2/3

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -486.058+/-179.256 χ^2/NDF:9.9/2

Left: 579.705+/-126.110 χ^2/NDF: 85.1/6

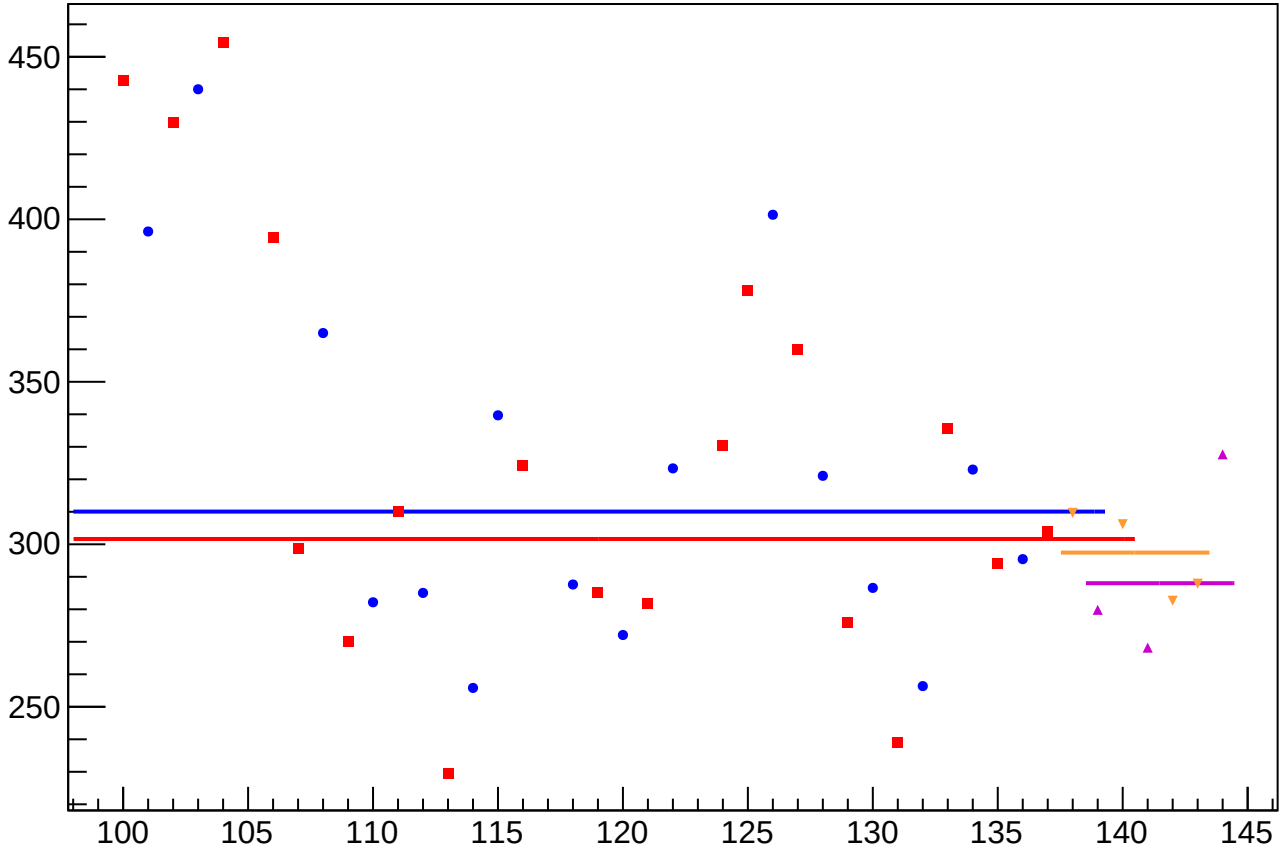
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -298.198+/-98.496 χ^2/NDF:203.6/18

Out: -244.019+/-95.381 χ^2/NDF:415.4/22

All: -270.238+/-68.520 χ^2/NDF: 619.2/41

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 297.448+/-0.125 χ^2/NDF:7875.0/3

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 288.031+/-0.127 χ^2/NDF:37172.6/2

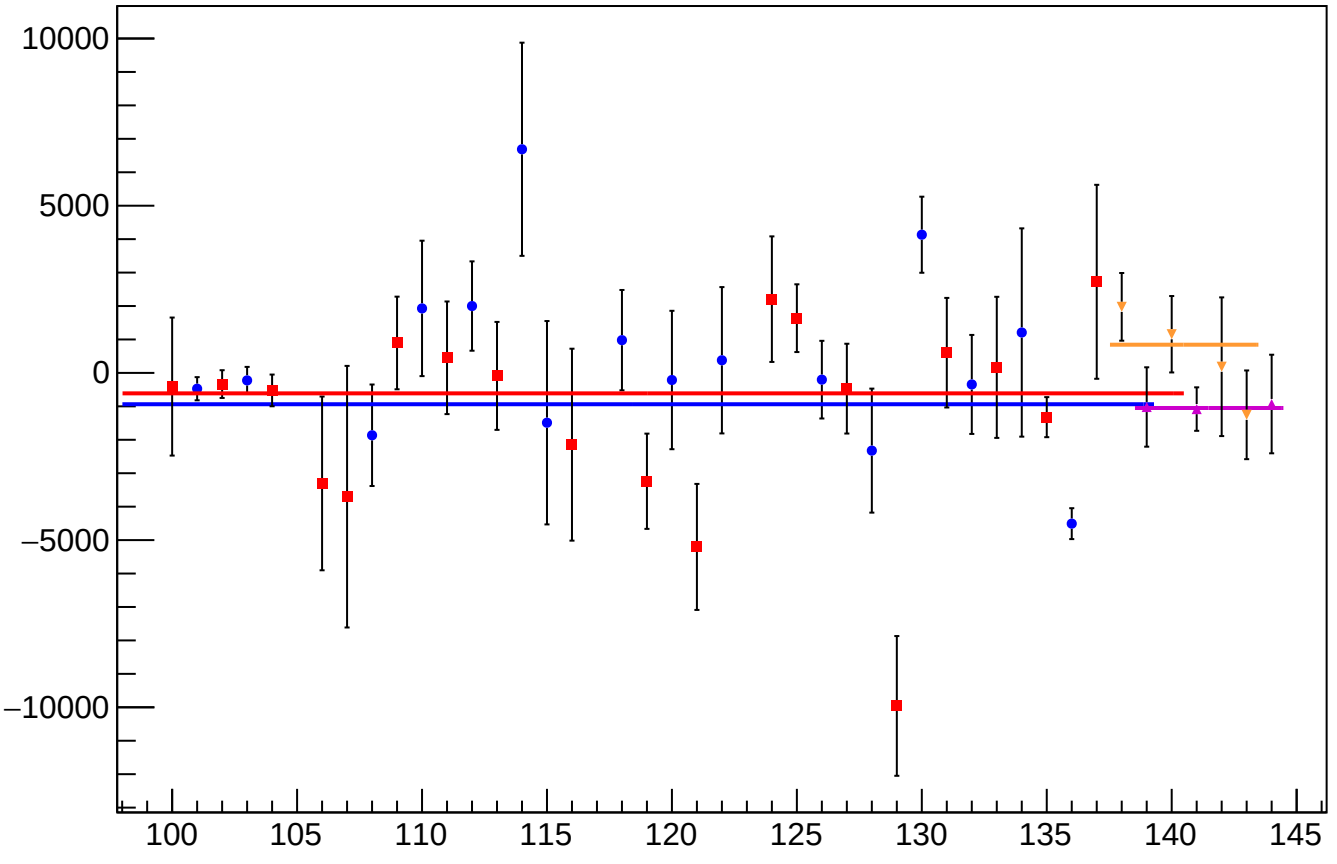
Left: 292.787+/-0.089 χ^2/NDF: 47835.2/6

Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 303.410+/-0.070 χ^2/NDF:381544.0/18

Out: 300.427+/-0.067 χ^2/NDF:528556.4/22

All: 301.871+/-0.048 χ^2/NDF: 911047.5/41



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 843.271+/-627.110 χ^2/NDF:3.9/3

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1049.513+/-531.752 χ^2/NDF:0.0/2

Left: -257.823+/-405.574 χ^2/NDF: 9.2/6

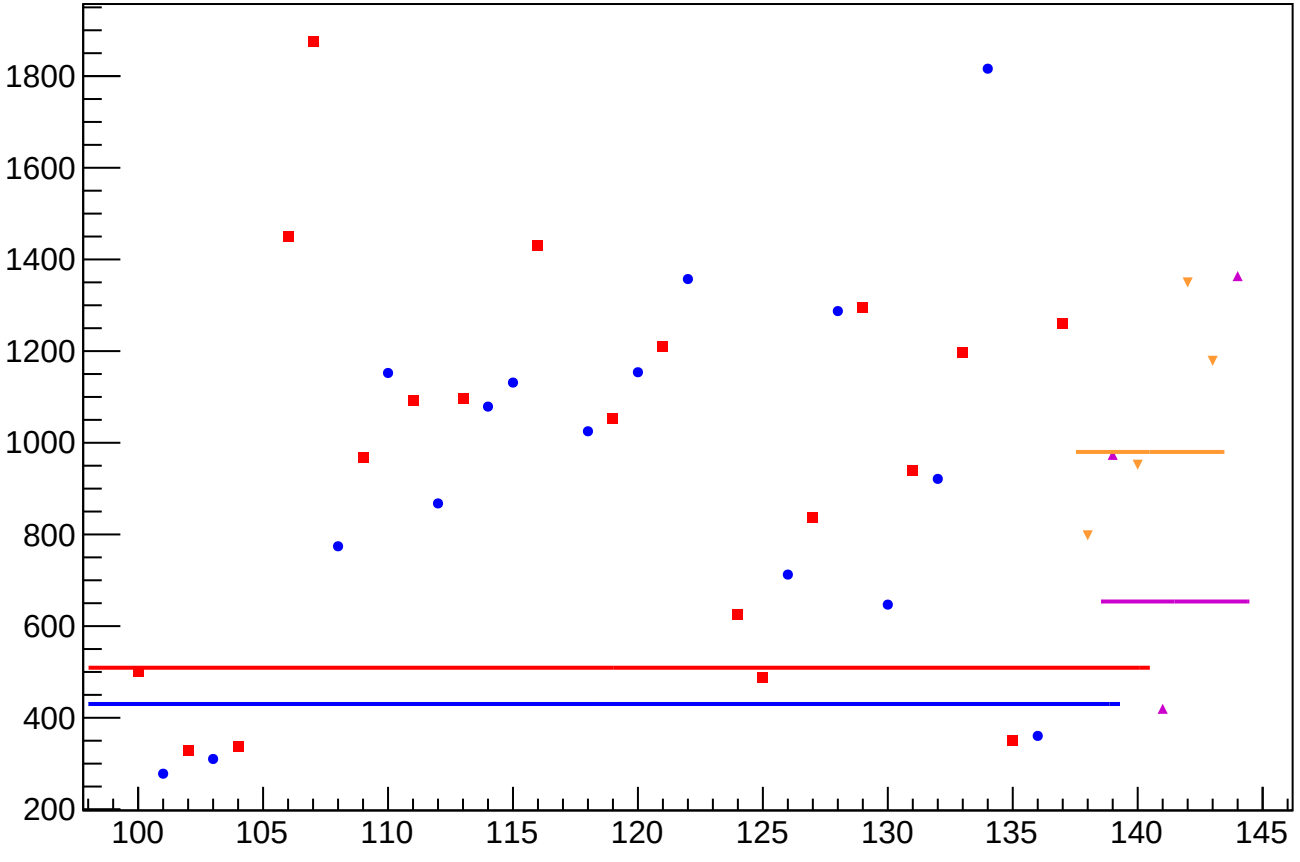
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -951.479+/-191.048 χ^2/NDF:101.2/18

Out: -434.990+/-218.531 χ^2/NDF:52.8/22

All: -727.736+/-143.832 χ^2/NDF: 157.2/41

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 980.009+/-0.443 χ^2/NDF:174372.5/3

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 653.710+/-0.376 χ^2/NDF:868383.1/2

Left: 790.190+/-0.287 χ^2/NDF: 1357746.8/6

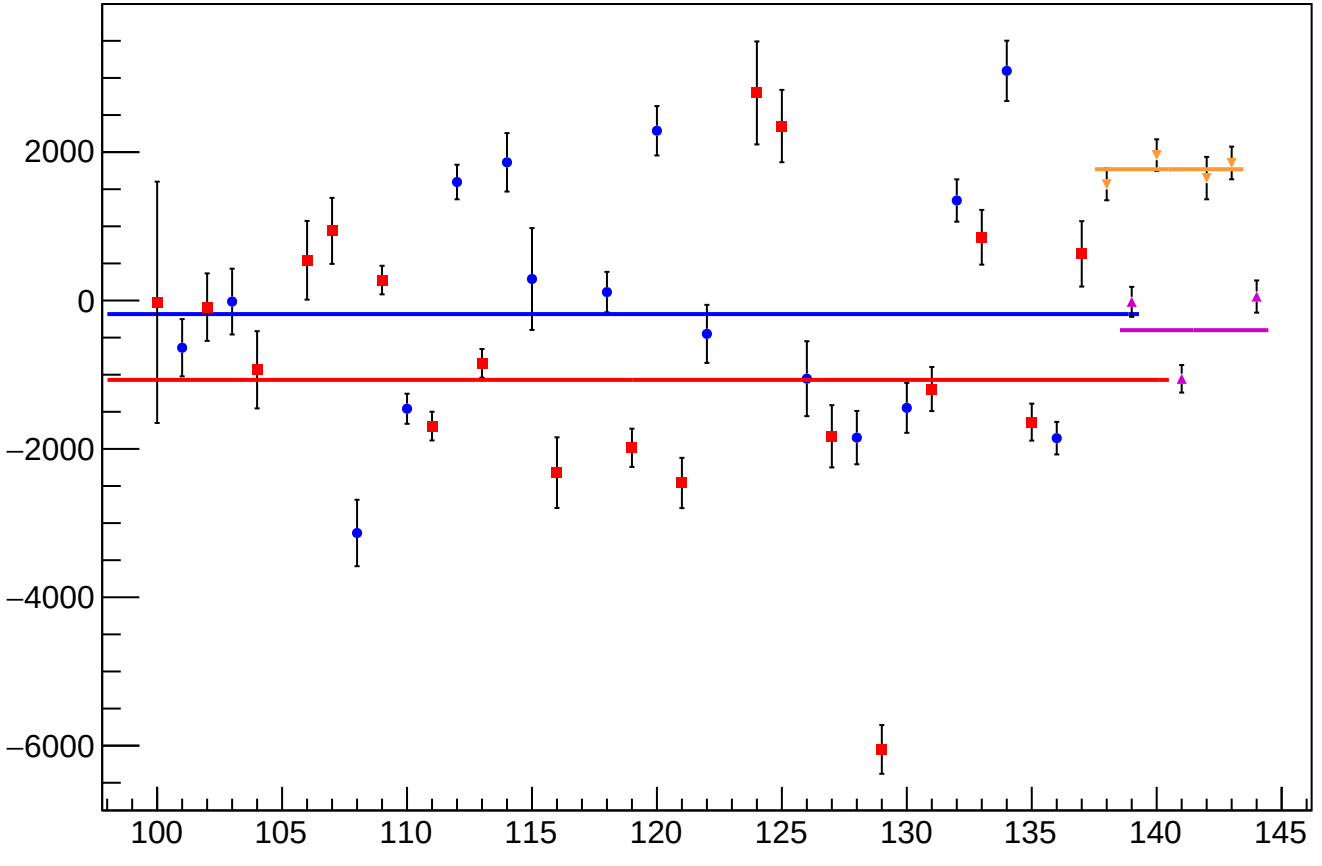
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 458.973+/-0.135 χ^2/NDF:4698230.3/18

Out: 566.403+/-0.155 χ^2/NDF:4838039.3/22

All: 505.512+/-0.102 χ^2/NDF: 9810230.8/41

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1769.850+/-114.160 χ^2/NDF:2.0/3

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -399.743+/-115.787 χ^2/NDF:20.3/2

Left: 700.408+/-81.292 χ^2/NDF: 200.4/6

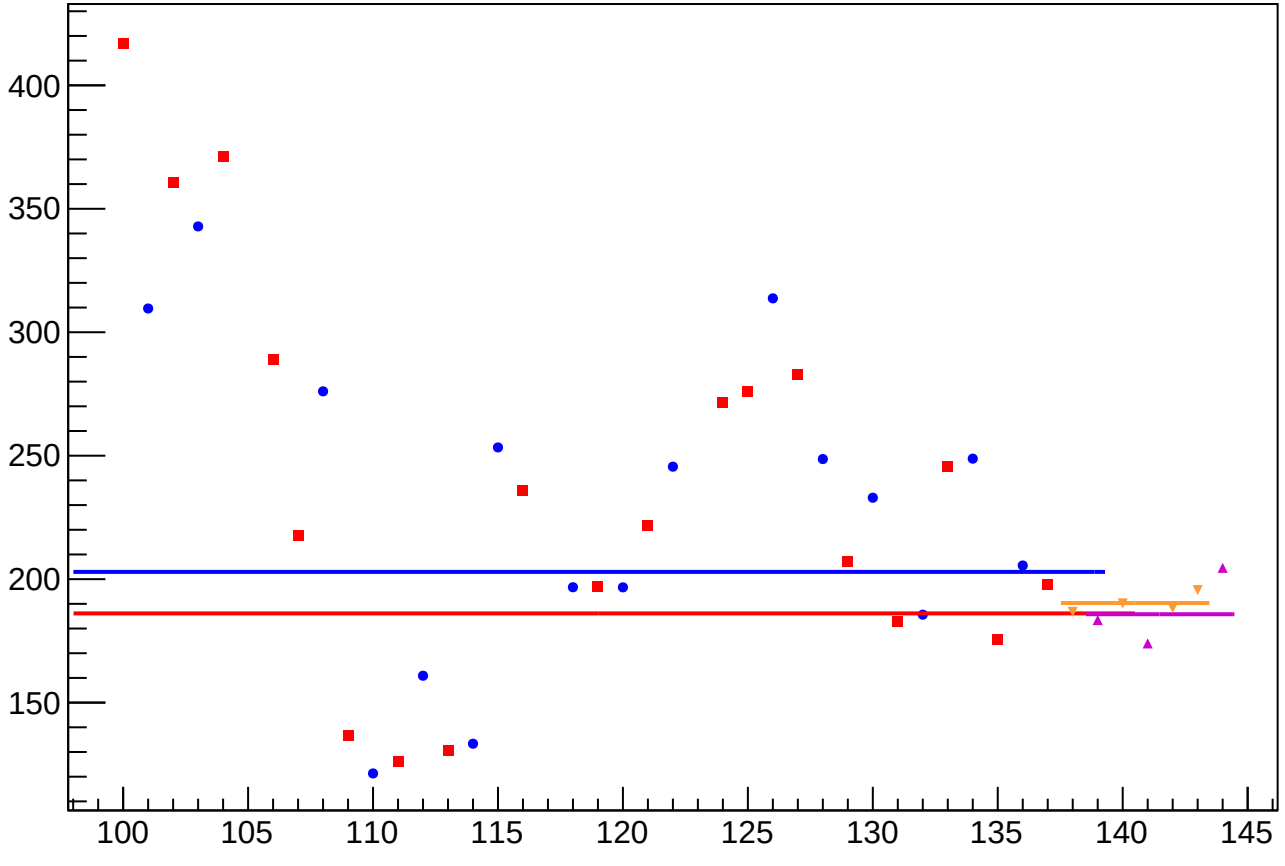
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -252.886+/-65.742 χ^2/NDF:440.4/18

Out: -244.636+/-61.537 χ^2/NDF:933.2/22

All: -248.489+/-44.926 χ^2/NDF: 1373.6/41

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 190.342+/-0.081 χ^2/NDF:1787.4/3

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 185.795+/-0.082 χ^2/NDF:23358.9/2

Left: 188.101+/-0.057 χ^2/NDF: 26710.1/6

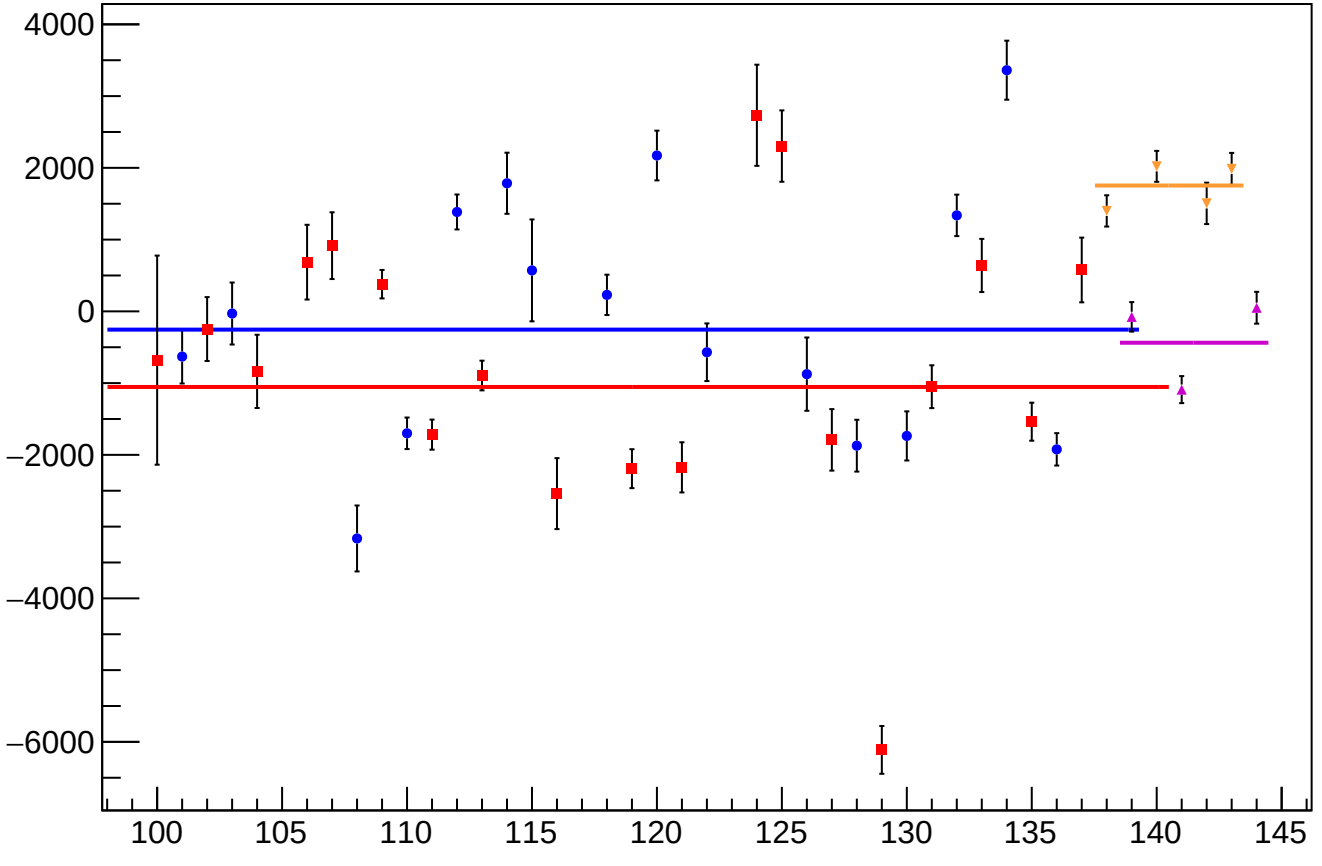
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 197.414+/-0.046 χ^2/NDF:1124937.4/18

Out: 187.353+/-0.044 χ^2/NDF:1485383.9/22

All: 192.051+/-0.032 χ^2/NDF: 2635286.3/41

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1753.767+/-115.685 χ^2/NDF:6.0/3

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -437.377+/-117.685 χ^2/NDF:20.0/2

Left: 676.969+/-82.500 χ^2/NDF: 202.3/6

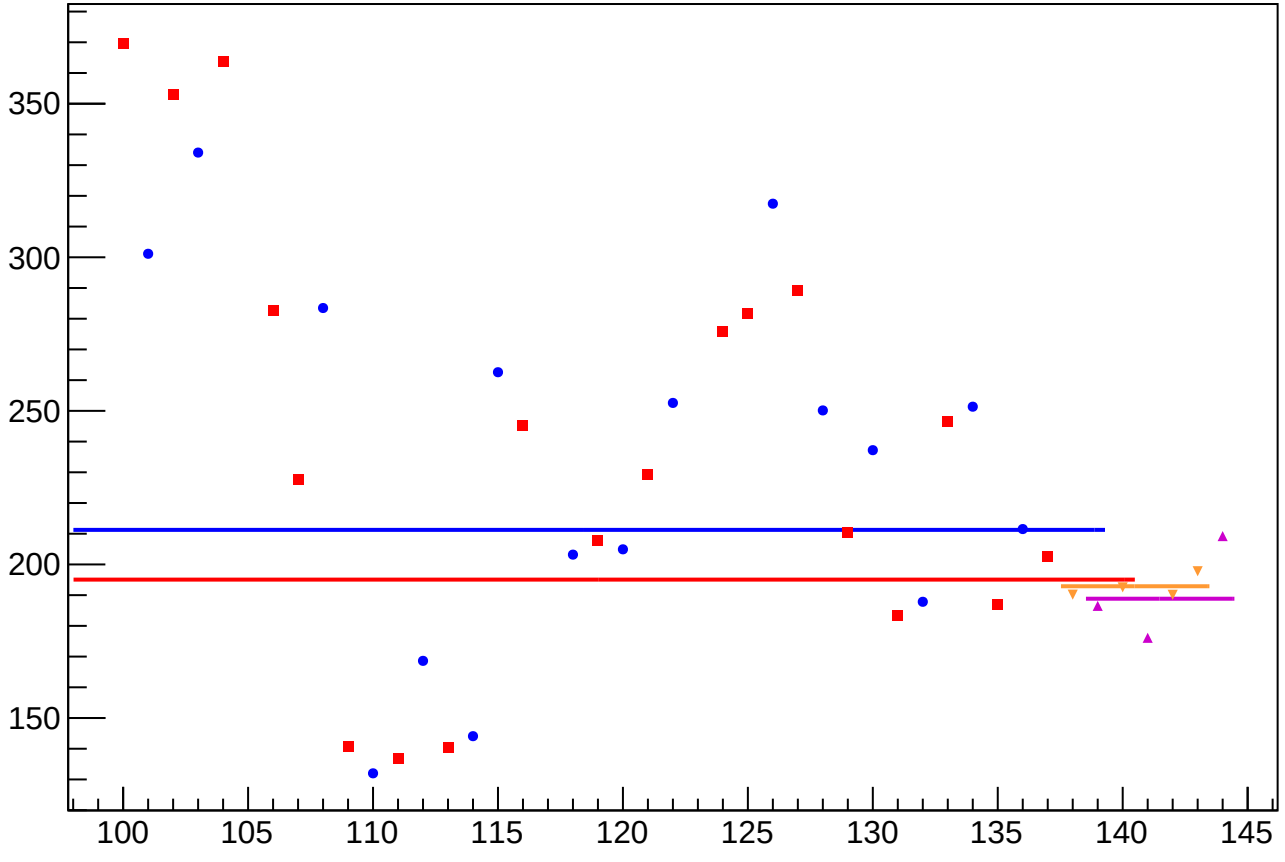
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -314.729+/-67.548 χ^2/NDF:430.9/18

Out: -207.814+/-63.501 χ^2/NDF:895.2/22

All: -257.972+/-46.267 χ^2/NDF: 1327.4/41

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 192.897+/-0.082 χ^2/NDF:1468.4/3

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 188.839+/-0.083 χ^2/NDF:26275.0/2

Left: 190.903+/-0.058 χ^2/NDF: 28952.6/6

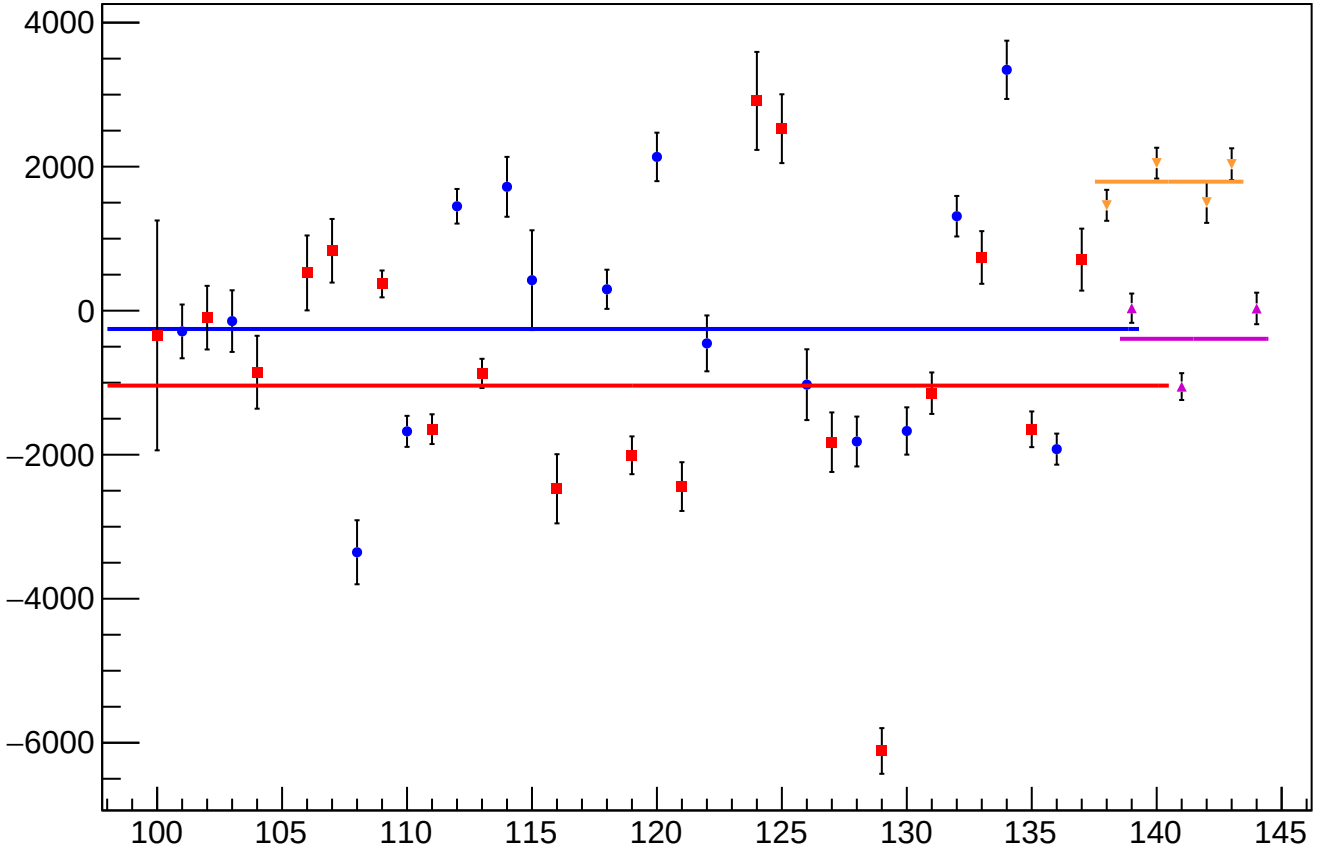
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.869+/-0.048 χ^2/NDF:959286.6/18

Out: 194.409+/-0.045 χ^2/NDF:1286837.4/22

All: 198.847+/-0.033 χ^2/NDF: 2266948.1/41

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1791.497+/-114.521 χ^2/NDF:6.0/3

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -390.702+/-116.395 χ^2/NDF:20.7/2

Left: 718.111+/-81.633 χ^2/NDF: 205.3/6

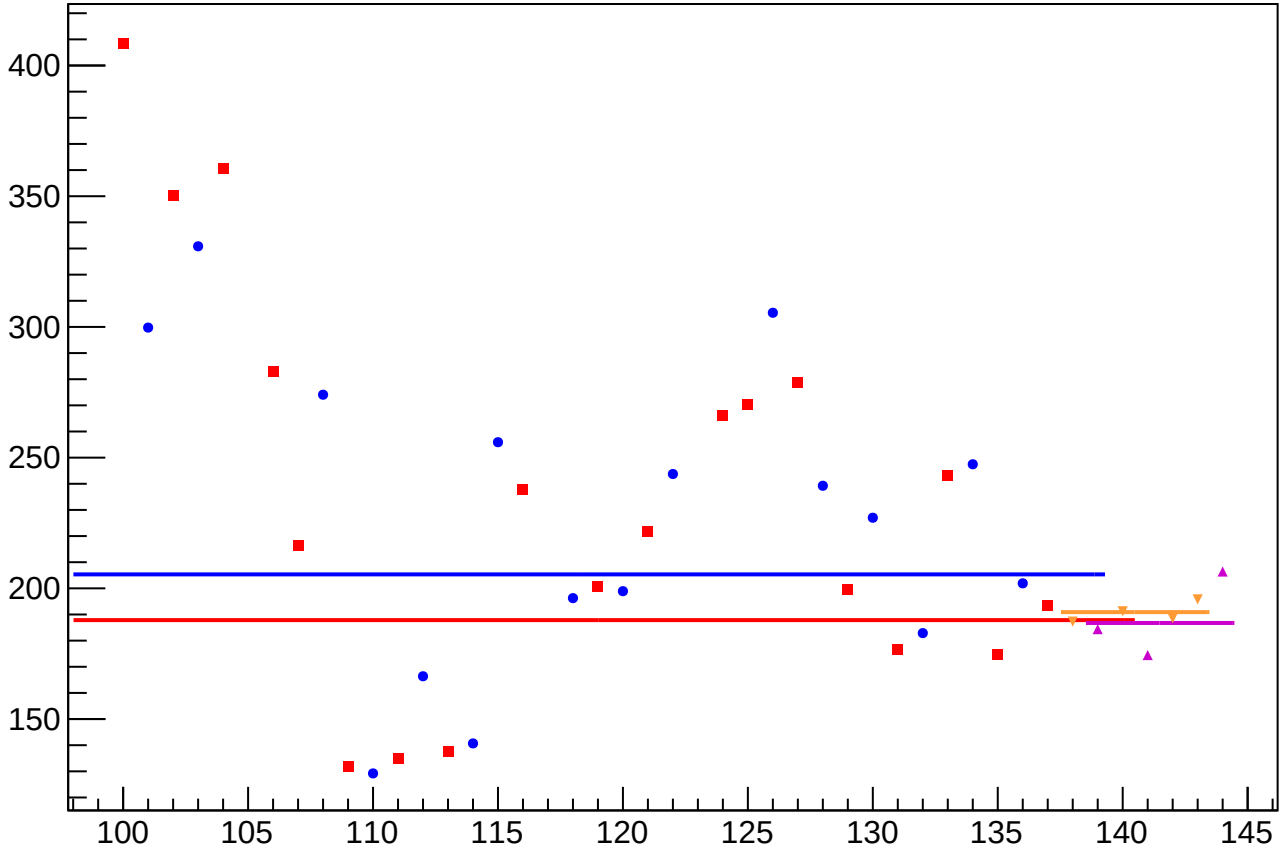
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -298.055+/-66.053 χ^2/NDF:453.8/18

Out: -216.374+/-61.774 χ^2/NDF:972.9/22

All: -254.483+/-45.118 χ^2/NDF: 1427.5/41

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 190.909+/-0.081 χ^2/NDF:1690.0/3

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 186.757+/-0.082 χ^2/NDF:25101.8/2

Left: 188.867+/-0.058 χ^2/NDF: 28085.3/6

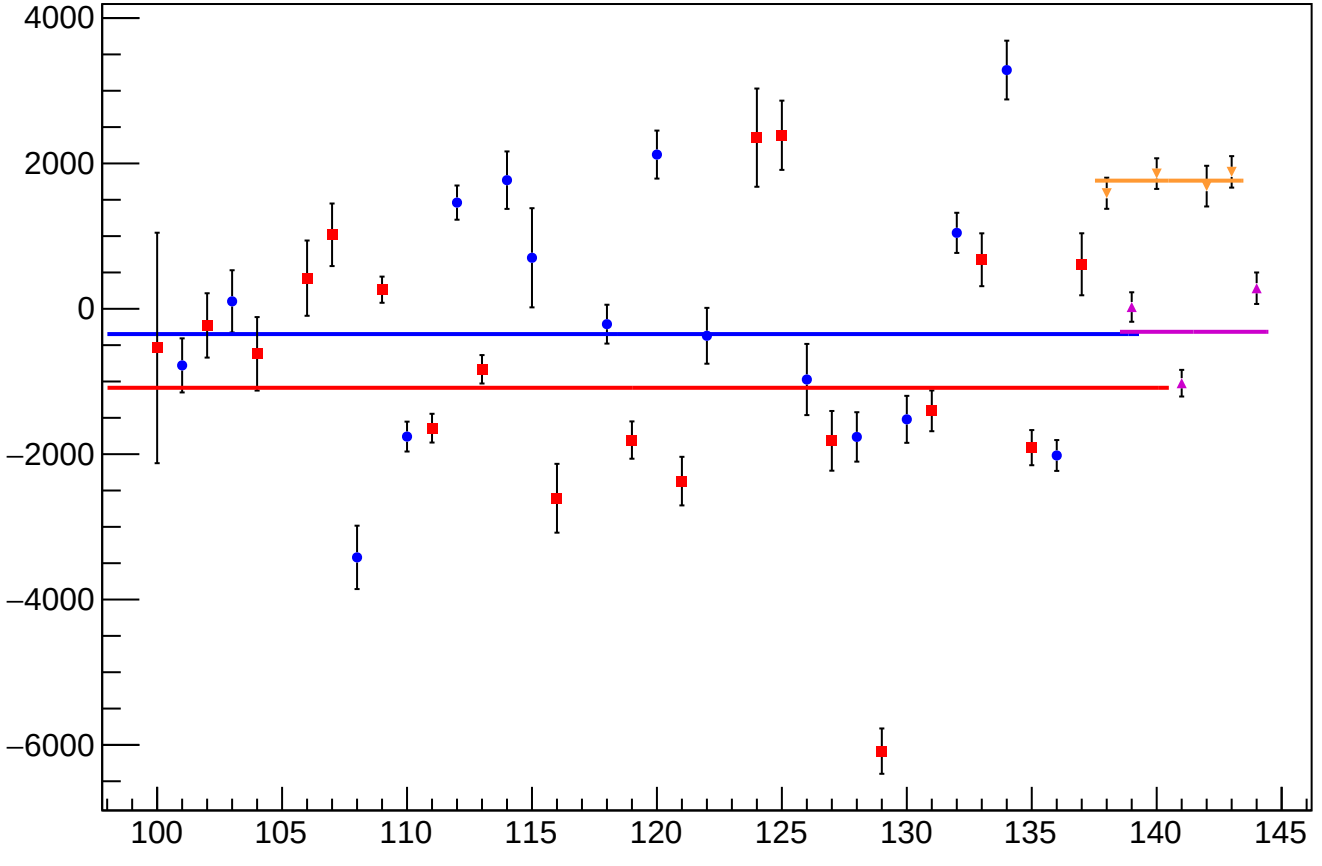
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 199.356+/-0.047 χ^2/NDF:937068.2/18

Out: 188.739+/-0.044 χ^2/NDF:1339752.3/22

All: 193.693+/-0.032 χ^2/NDF: 2304384.4/41

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1763.328+/-112.928 χ^2/NDF:1.3/3

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -316.411+/-115.161 χ^2/NDF:25.4/2

Left: 743.818+/-80.630 χ^2/NDF: 192.9/6

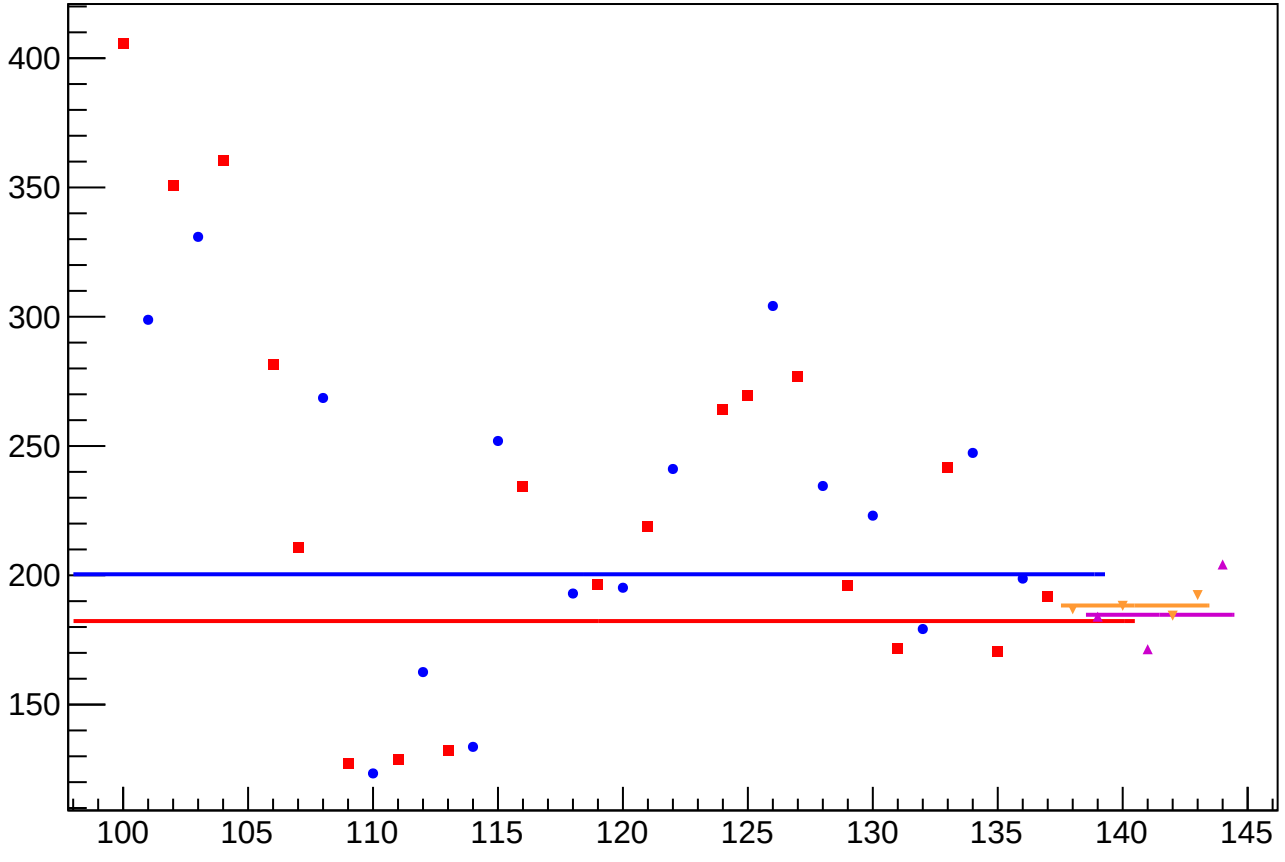
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -337.739+/-64.902 χ^2/NDF:471.2/18

Out: -270.457+/-60.433 χ^2/NDF:983.0/22

All: -301.702+/-44.228 χ^2/NDF: 1454.8/41

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 188.324+/-0.080 χ^2/NDF:1180.2/3

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 184.736+/-0.081 χ^2/NDF:26722.9/2

Left: 186.565+/-0.057 χ^2/NDF: 28892.7/6

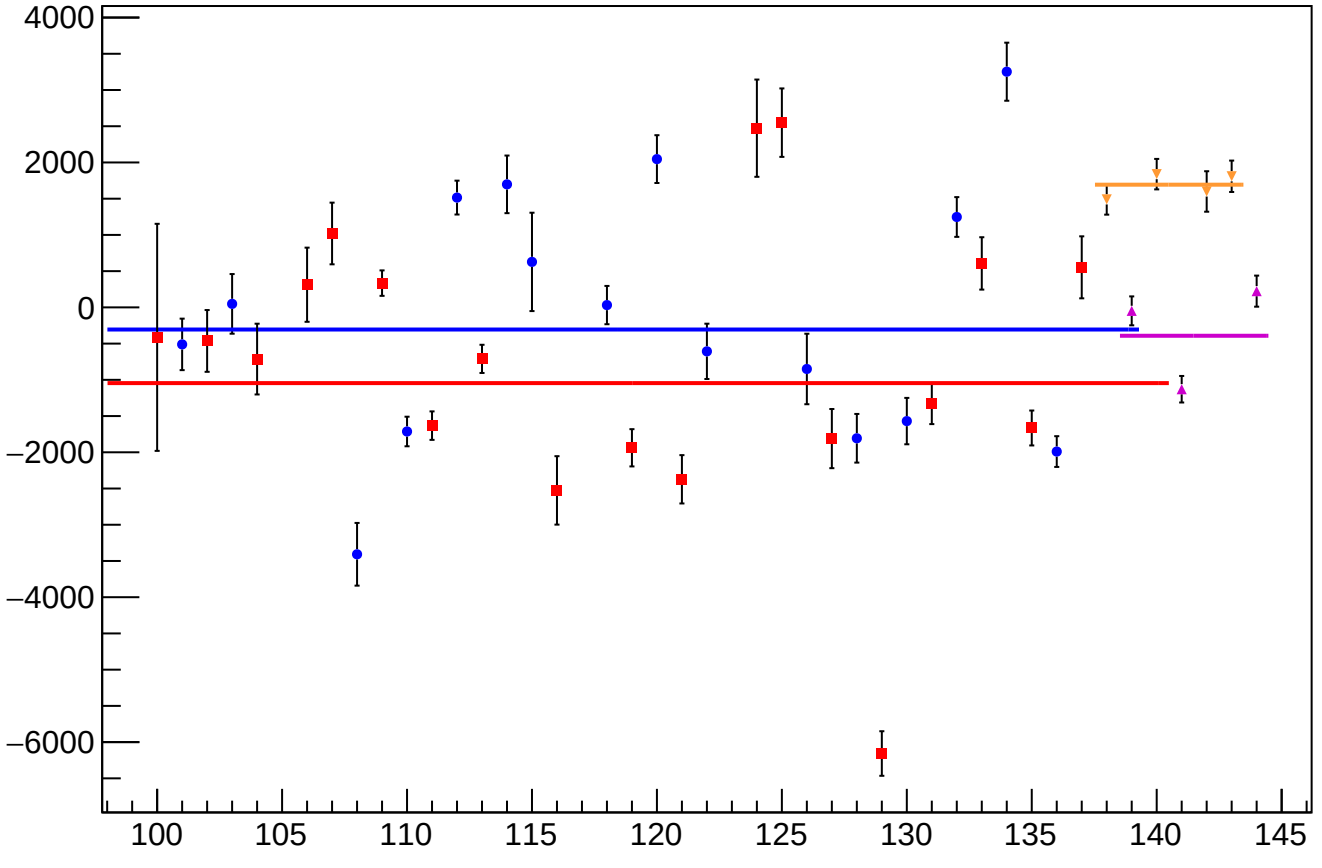
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 195.424+/-0.046 χ^2/NDF:1010968.5/18

Out: 184.026+/-0.043 χ^2/NDF:1452436.2/22

All: 189.319+/-0.031 χ^2/NDF: 2496442.5/41

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1693.274+/-112.340 χ^2/NDF:1.8/3

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -391.760+/-114.213 χ^2/NDF:27.4/2

Left: 667.991+/-80.090 χ^2/NDF: 198.6/6

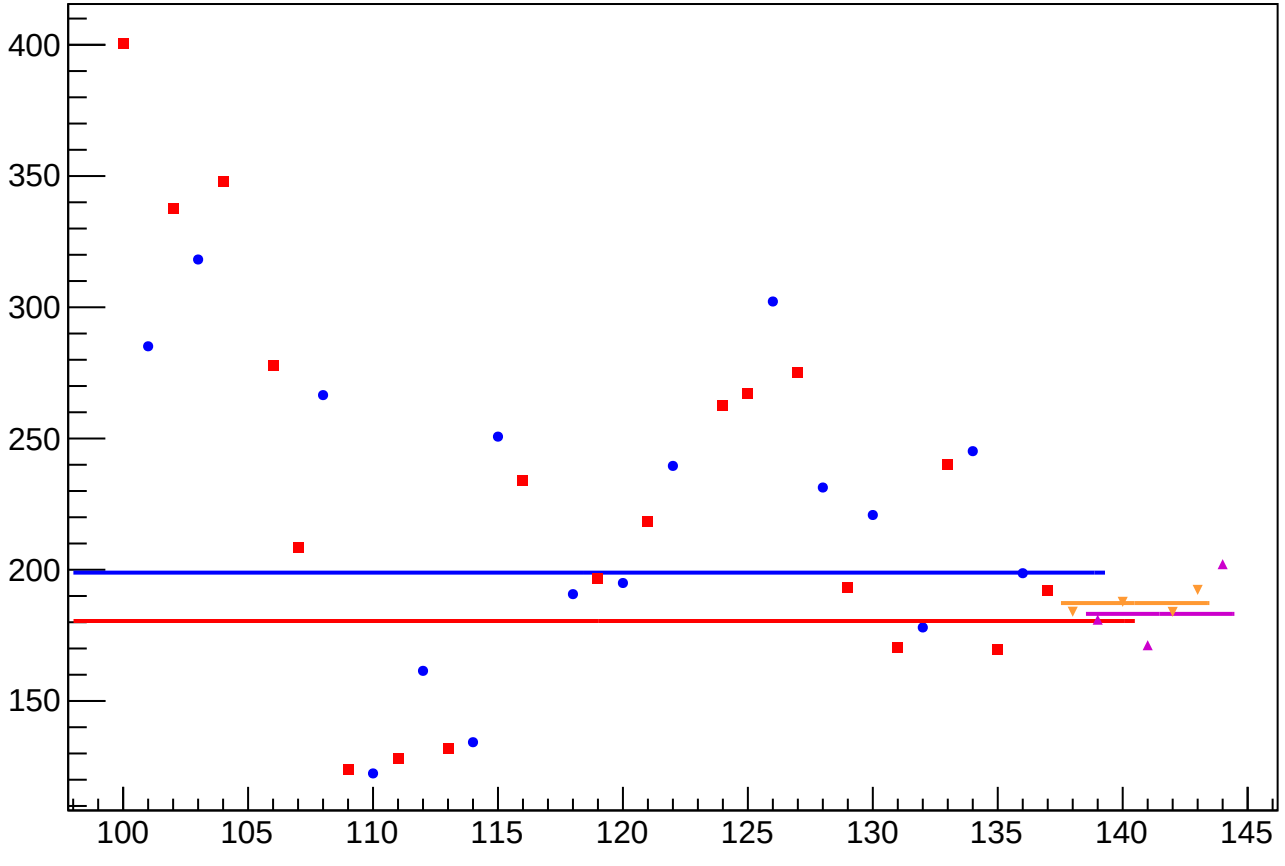
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -332.974+/-64.338 χ^2/NDF:479.6/18

Out: -266.302+/-59.911 χ^2/NDF:979.2/22

All: -297.266+/-43.845 χ^2/NDF: 1459.4/41

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 187.308+/-0.079 χ^2/NDF:1860.6/3

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 183.188+/-0.081 χ^2/NDF:24336.8/2

Left: 185.282+/-0.057 χ^2/NDF: 27520.1/6

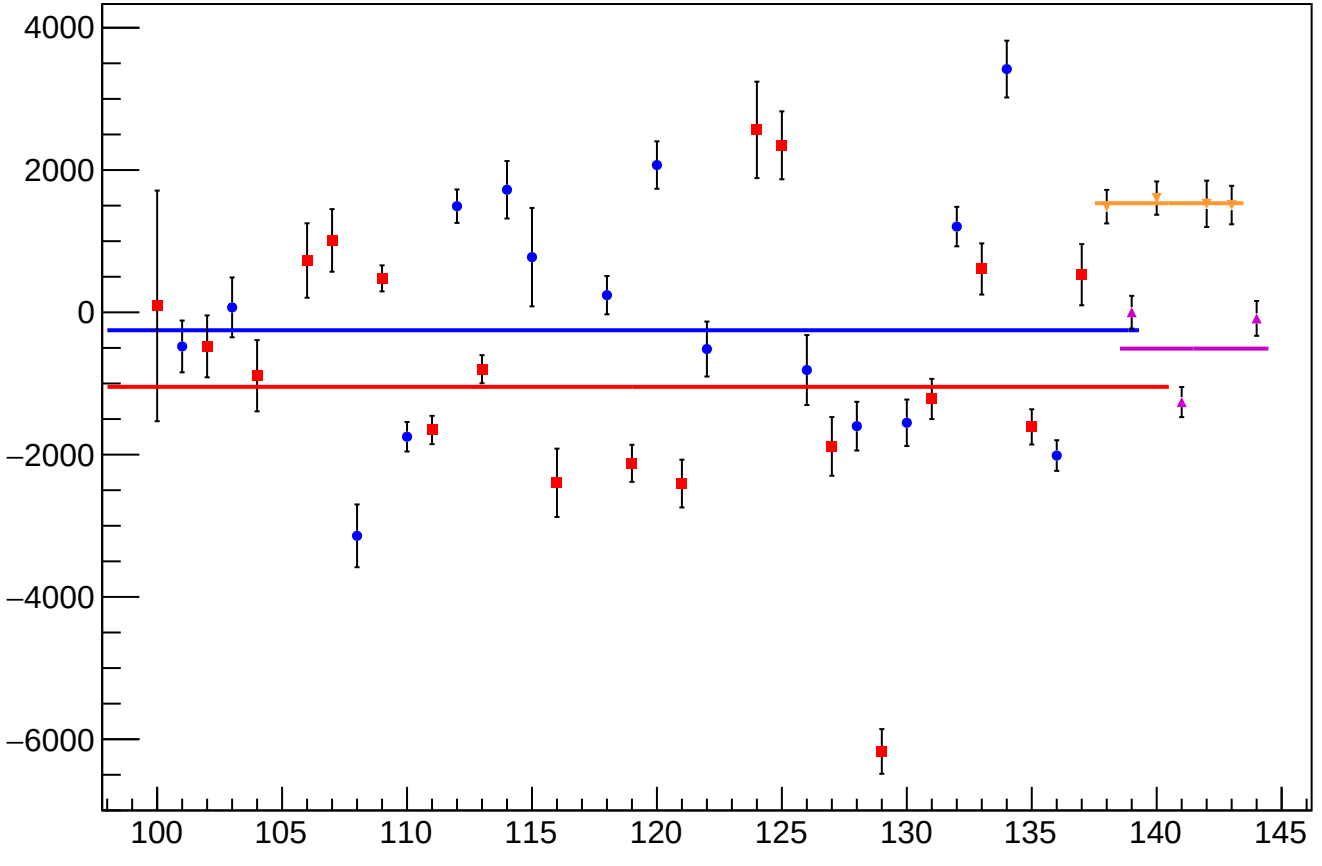
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.916+/-0.045 χ^2/NDF:962950.3/18

Out: 182.417+/-0.042 χ^2/NDF:1441594.1/22

All: 187.757+/-0.031 χ^2/NDF: 2438762.5/41

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1533.799+/-129.755 χ^2/NDF:0.1/3

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -509.847+/-131.383 χ^2/NDF:20.6/2

Left: 524.714+/-92.321 χ^2/NDF: 143.2/6

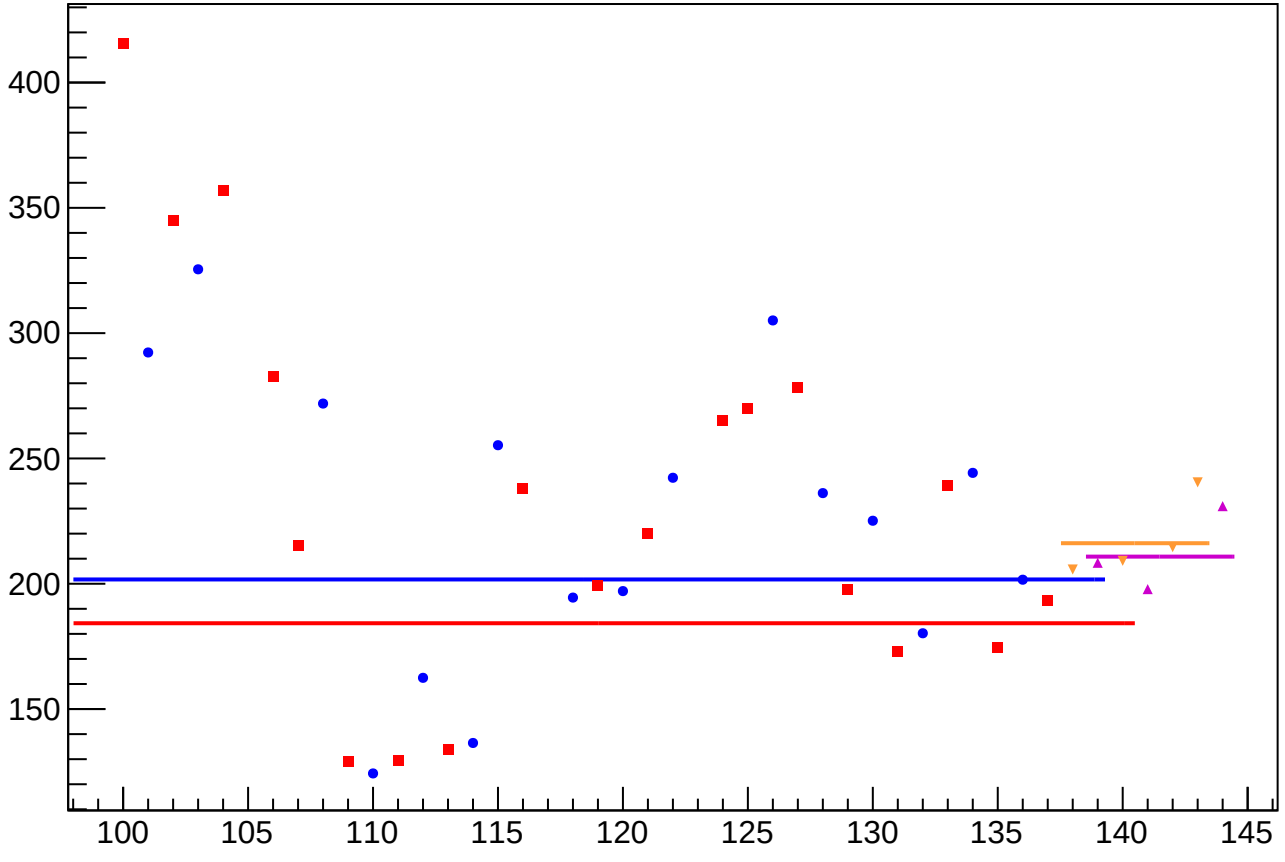
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -320.287+/-67.687 χ^2/NDF:464.6/18

Out: -437.081+/-63.084 χ^2/NDF:849.0/22

All: -382.790+/-46.149 χ^2/NDF: 1315.2/41

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 216.178+/-0.092 χ^2/NDF:21952.7/3

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 210.828+/-0.093 χ^2/NDF:21268.5/2

Left: 213.536+/-0.065 χ^2/NDF: 44899.8/6

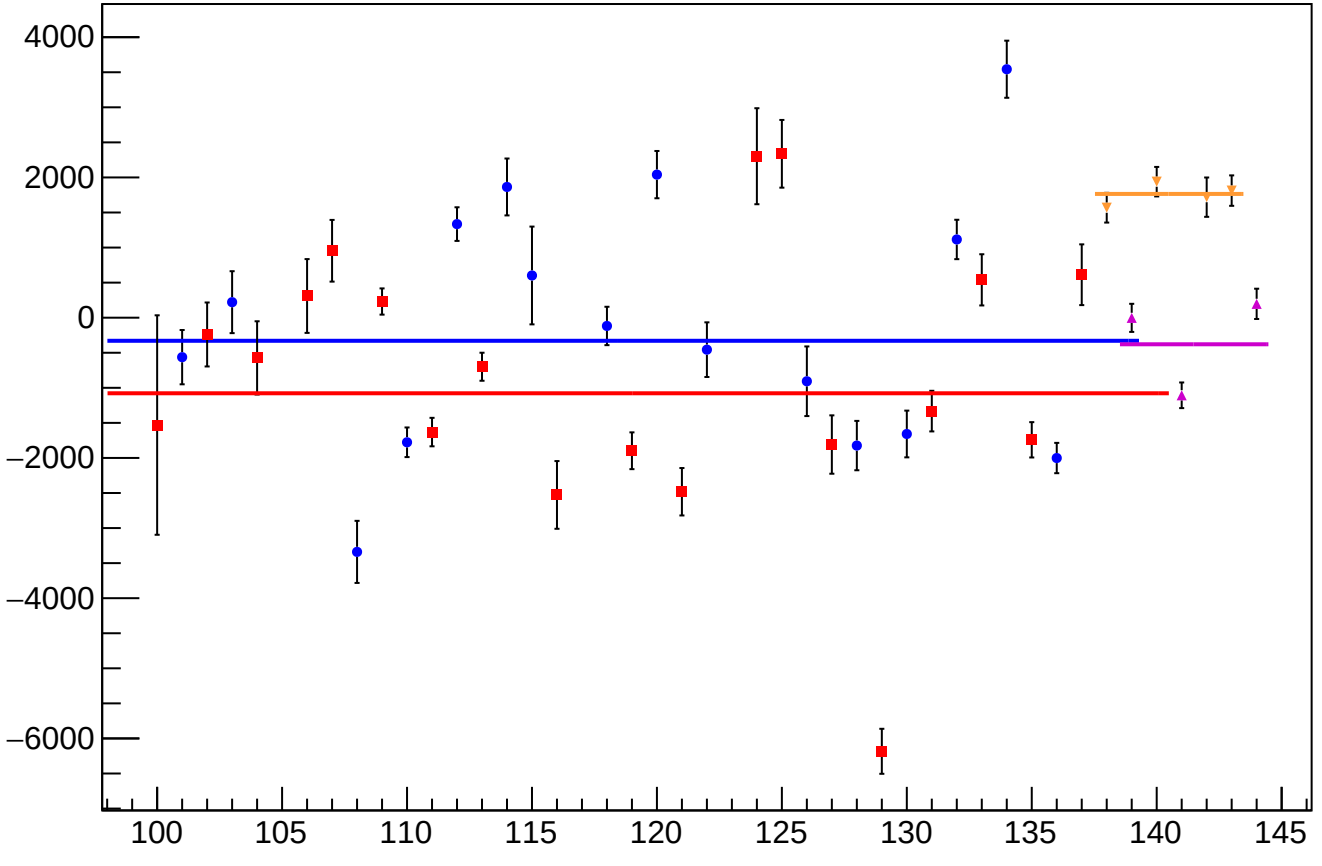
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 204.133+/-0.048 χ^2/NDF:952549.4/18

Out: 191.792+/-0.045 χ^2/NDF:1518220.6/22

All: 197.529+/-0.033 χ^2/NDF: 2506348.0/41

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1764.864+/-112.633 χ^2/NDF:1.6/3

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -379.172+/-114.490 χ^2/NDF:26.5/2

Left: 710.372+/-80.292 χ^2/NDF: 206.3/6

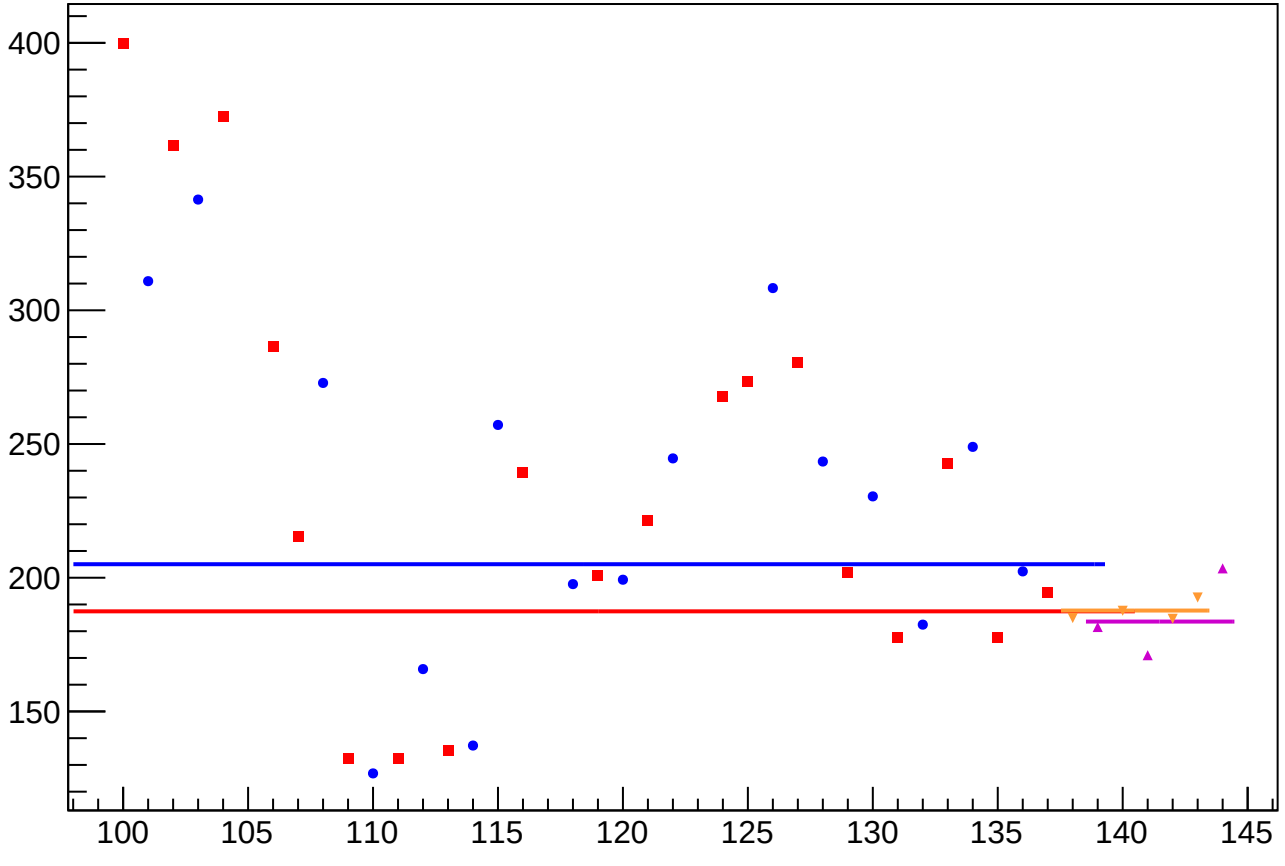
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -345.814+/-65.779 χ^2/NDF:463.0/18

Out: -230.425+/-61.497 χ^2/NDF:950.7/22

All: -284.242+/-44.923 χ^2/NDF: 1415.4/41

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 187.727+/-0.080 χ^2/NDF:1605.9/3

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 183.605+/-0.081 χ^2/NDF:26643.1/2

Left: 185.700+/-0.057 χ^2/NDF: 29566.3/6

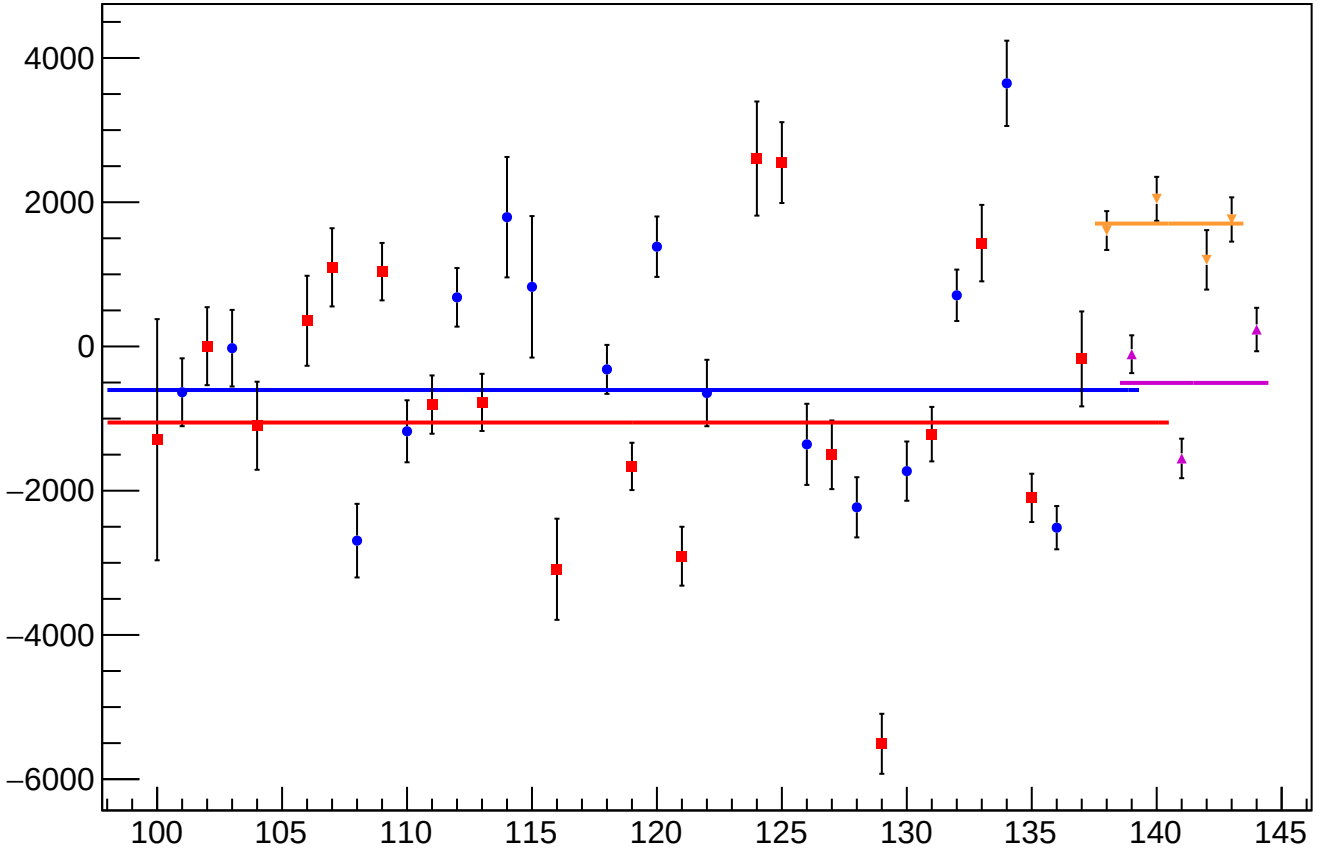
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.973+/-0.047 χ^2/NDF:1036713.7/18

Out: 187.519+/-0.043 χ^2/NDF:1412417.8/22

All: 192.395+/-0.032 χ^2/NDF: 2476085.3/41

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1703.983+/-156.096 χ^2/NDF:2.9/3

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -505.252+/-160.302 χ^2/NDF:23.0/2

Left: 628.725+/-111.834 χ^2/NDF: 123.4/6

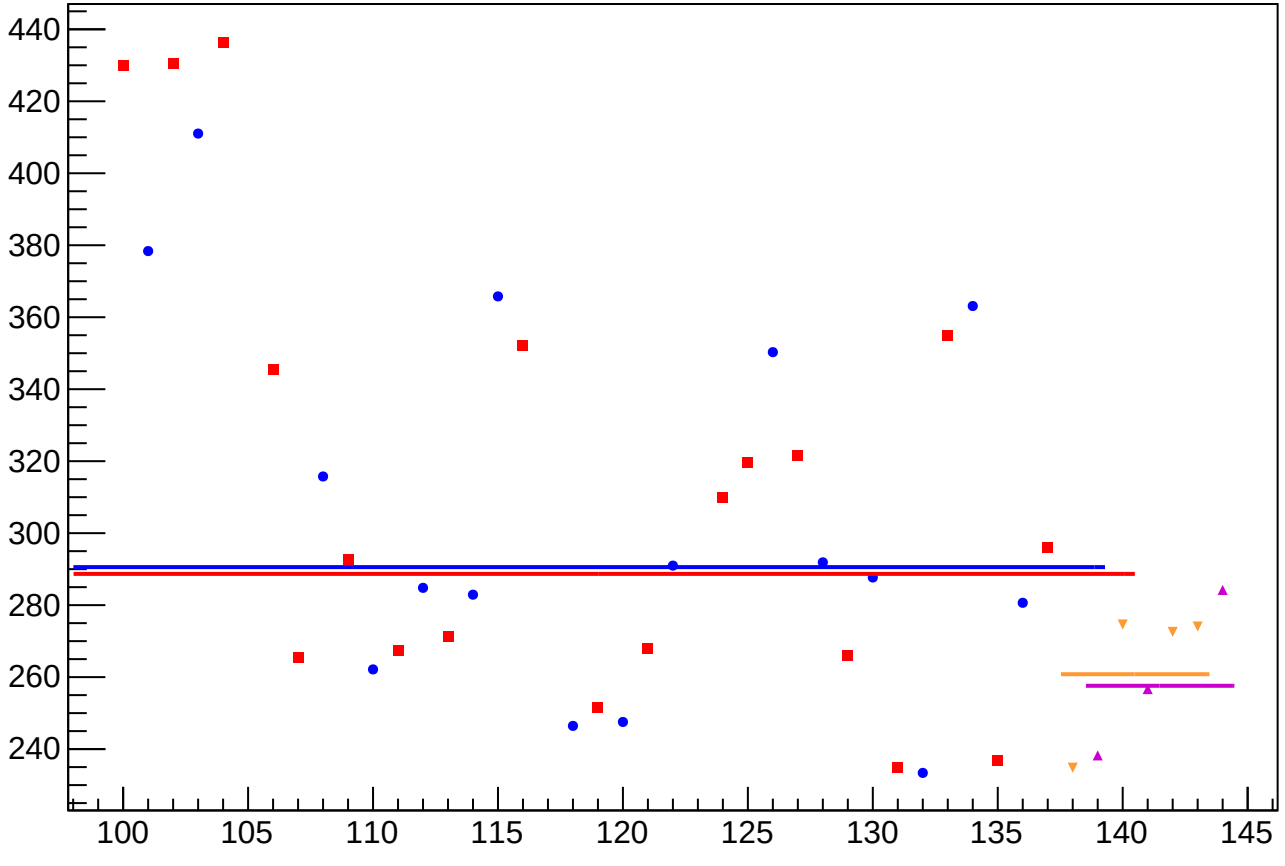
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -572.019+/-91.087 χ^2/NDF:216.8/18

Out: -158.587+/-88.961 χ^2/NDF:511.5/22

All: -360.423+/-63.643 χ^2/NDF: 738.8/41

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 260.809+/-0.110 χ^2/NDF:28075.8/3

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 257.595+/-0.113 χ^2/NDF:26561.4/2

Left: 259.245+/-0.079 χ^2/NDF: 55049.8/6

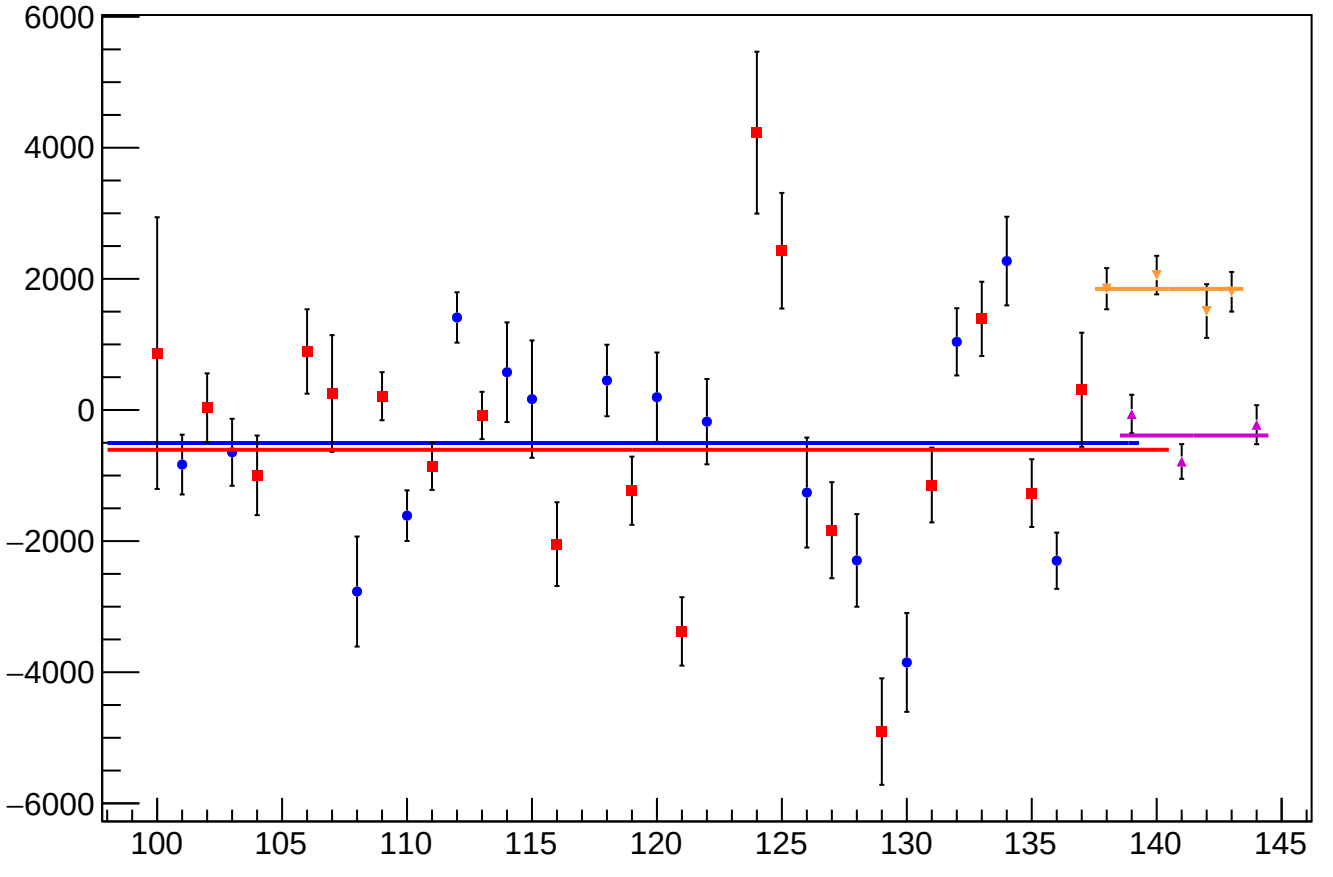
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 279.921+/-0.064 χ^2/NDF:443659.0/18

Out: 279.632+/-0.063 χ^2/NDF:560239.2/22

All: 279.773+/-0.045 χ^2/NDF: 1003908.5/41

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1846.239+/-161.043 χ^2/NDF:1.2/3

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -389.219+/-164.184 χ^2/NDF:3.8/2

Left: 750.099+/-114.969 χ^2/NDF: 99.5/6

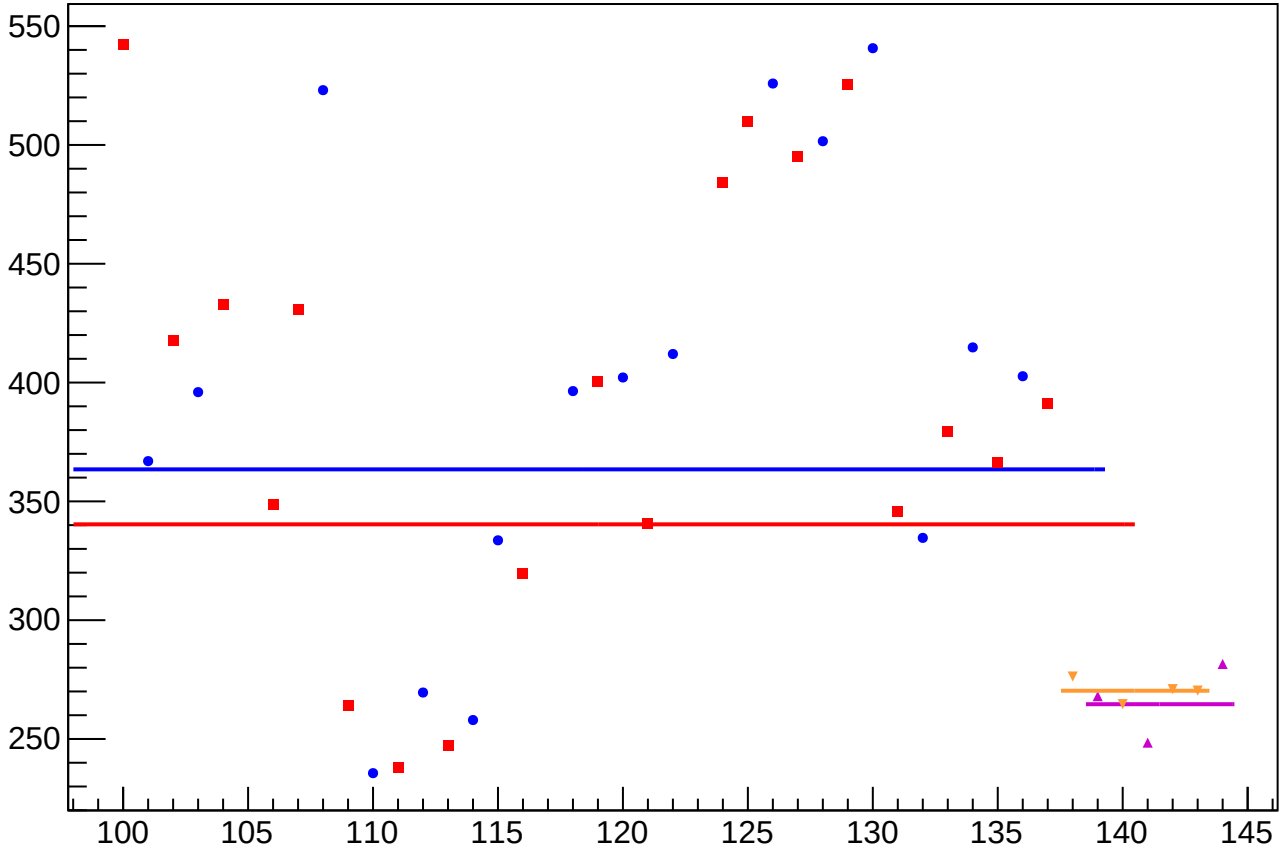
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -455.467+/-106.555 χ^2/NDF:122.3/18

Out: 357.437+/-100.970 χ^2/NDF:267.2/22

All: -27.154+/-73.292 χ^2/NDF: 420.2/41

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 270.304+/-0.114 χ^2/NDF:1464.4/3

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 264.634+/-0.116 χ^2/NDF:14186.1/2

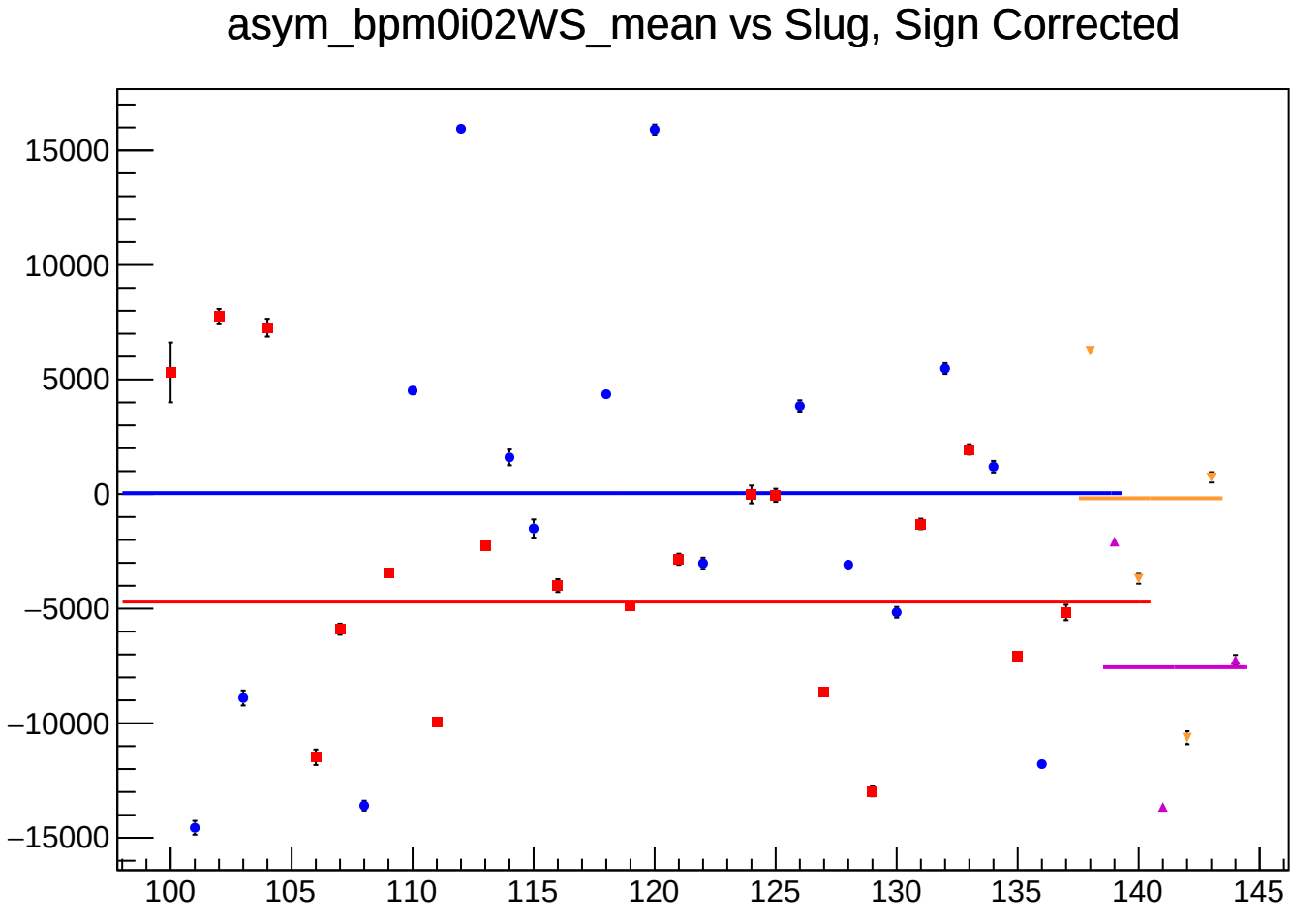
Left: 267.523+/-0.081 χ^2/NDF: 16866.1/6

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 321.841+/-0.075 χ^2/NDF:1214587.3/18

Out: 312.804+/-0.071 χ^2/NDF:1087211.5/22

All: 317.080+/-0.052 χ^2/NDF: 2309379.0/41



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7555.031+/-115.432 χ^2/NDF:1818.5/2

Left: -3699.852+/-79.735 χ^2/NDF: 6776.2/6

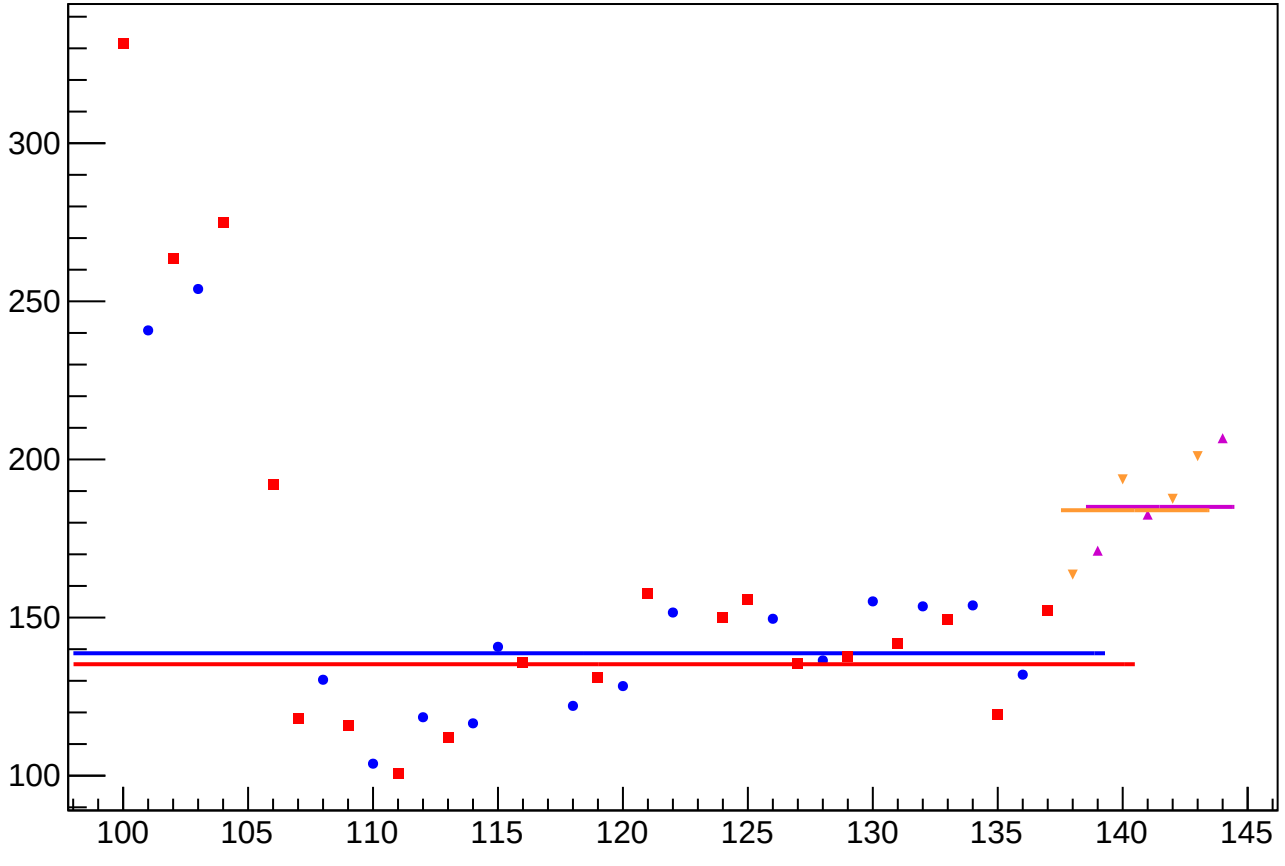
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1331.178+/-49.060 χ^2/NDF:36152.8/18

Out: -3867.160+/-47.103 χ^2/NDF:11986.4/22

All: -2650.756+/-33.978 χ^2/NDF: 49529.6/41

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 184.998+/-0.082 χ^2/NDF:30670.9/2

Left: 184.446+/-0.056 χ^2/NDF: 70580.7/6

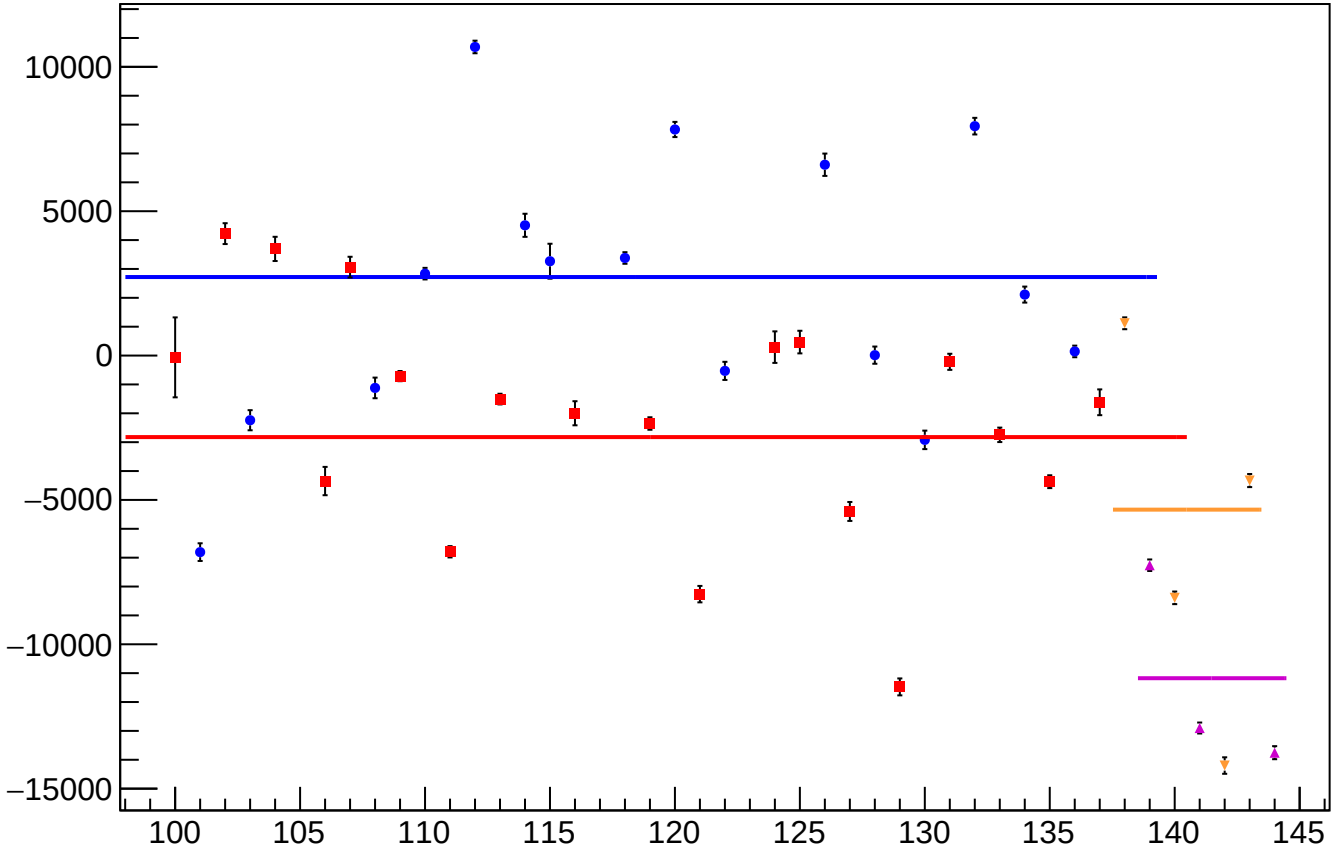
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 147.073+/-0.035 χ^2/NDF:951948.0/18

Out: 144.131+/-0.033 χ^2/NDF:1248717.5/22

All: 145.542+/-0.024 χ^2/NDF: 2204408.4/41

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11175.302+/-117.395 χ^2/NDF:598.6/2

Left: -8181.279+/-81.942 χ^2/NDF: 4032.0/6

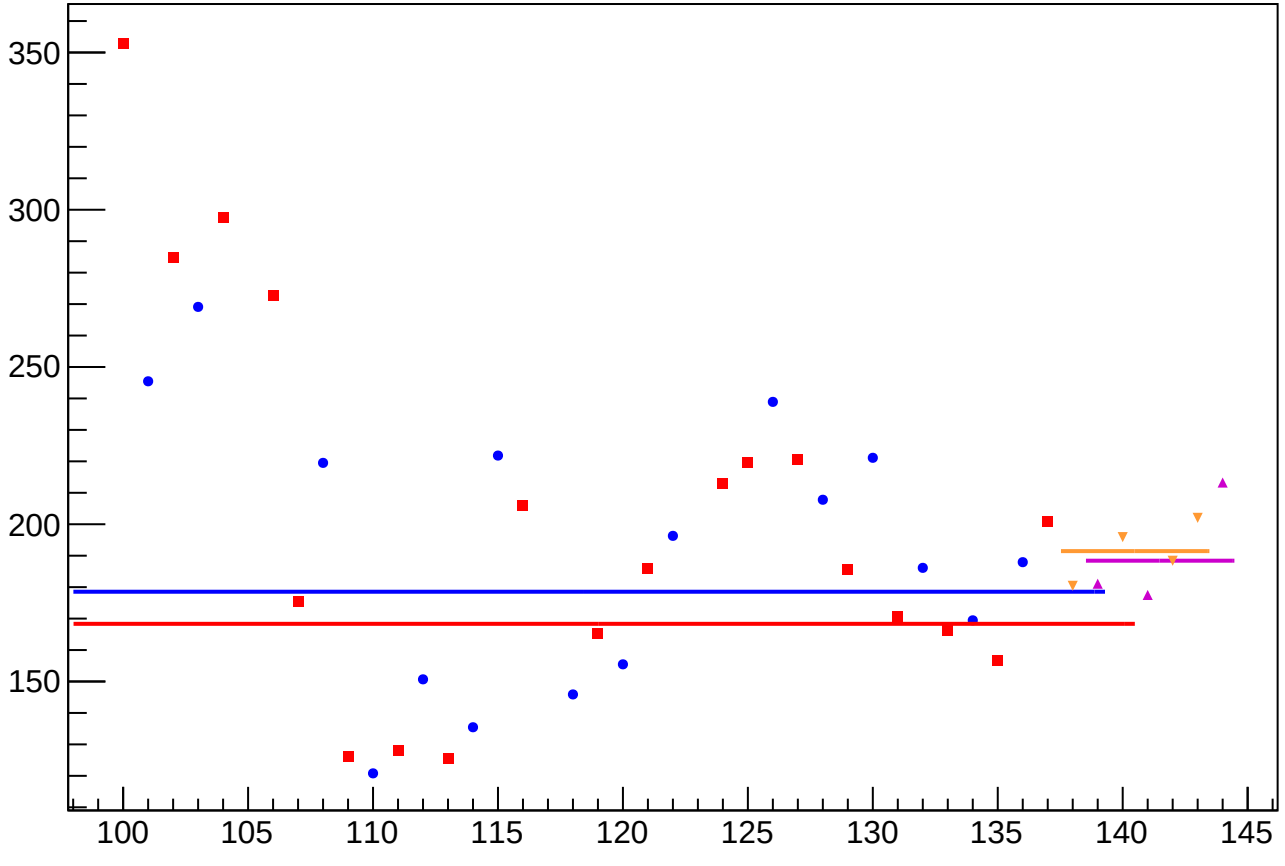
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -866.827+/-59.644 χ^2/NDF:15121.3/18

Out: -3434.549+/-56.420 χ^2/NDF:5592.8/22

All: -2221.960+/-40.987 χ^2/NDF: 21692.2/41

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 188.409+/-0.083 χ^2/NDF:33476.2/2

Left: 189.971+/-0.058 χ^2/NDF: 45349.2/6

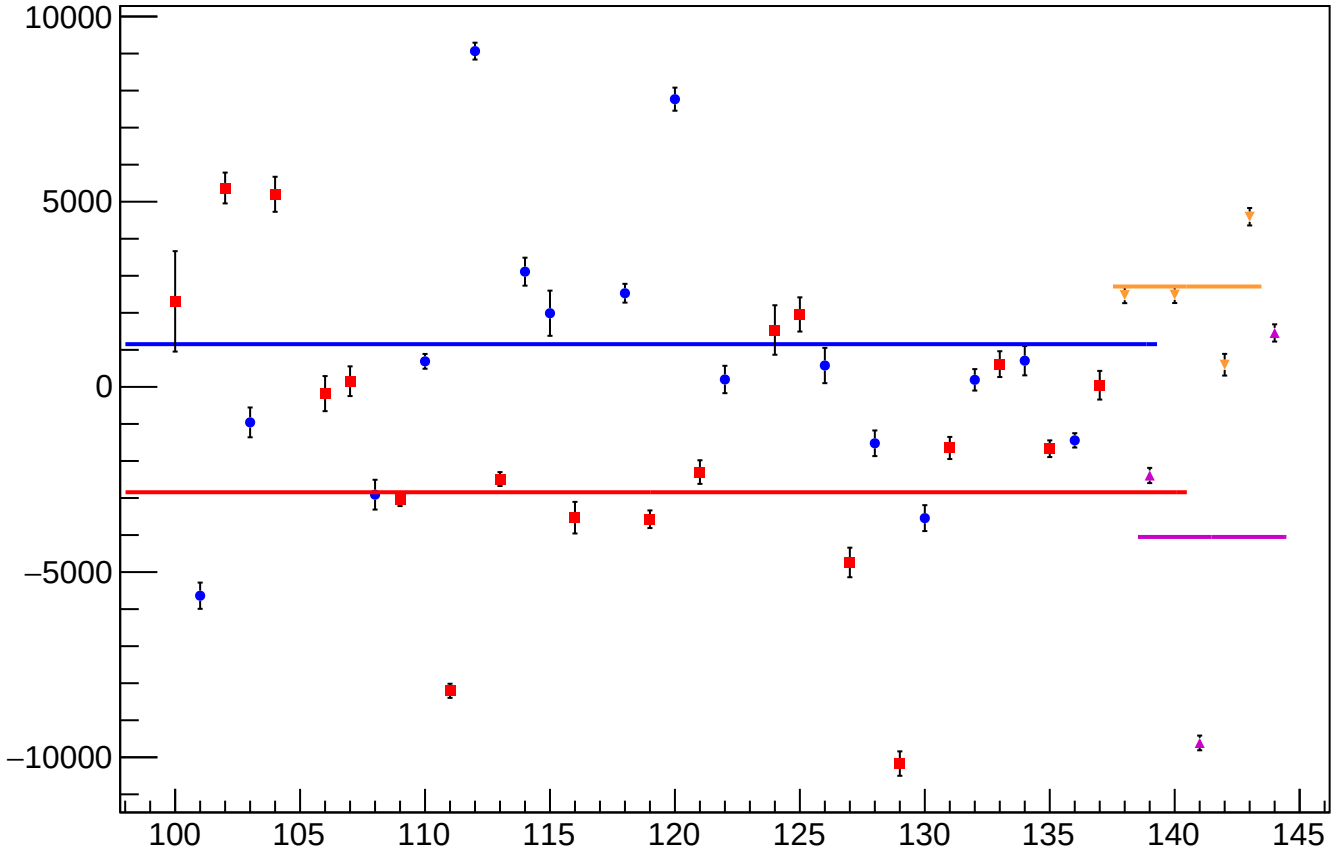
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.088+/-0.042 χ^2/NDF:718526.6/18

Out: 173.955+/-0.040 χ^2/NDF:1052465.1/22

All: 177.324+/-0.029 χ^2/NDF: 1786089.1/41

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -4050.917+/-121.771 χ^2/NDF:1407.4/2

Left: -585.796+/-85.022 χ^2/NDF: 3105.5/6

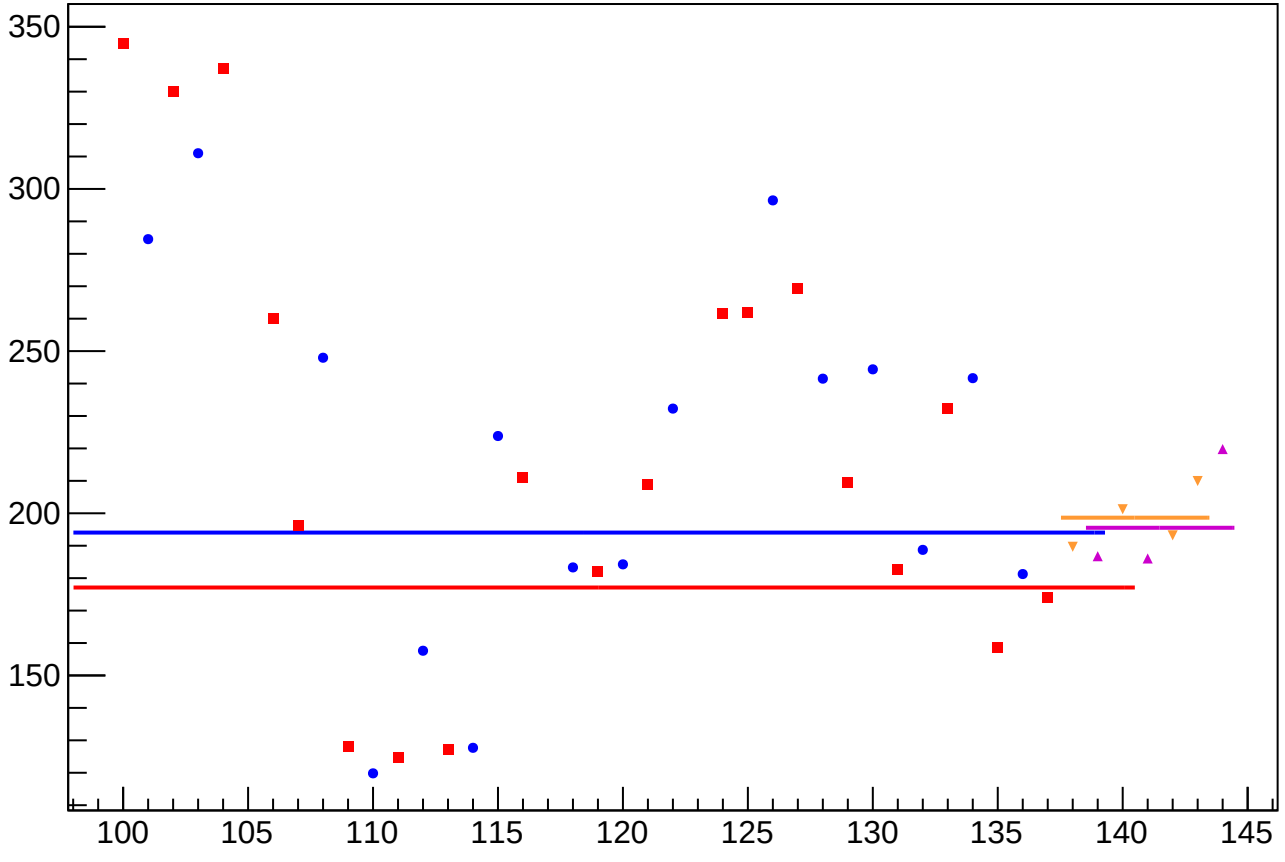
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -304.044+/-64.447 χ^2/NDF:5377.9/18

Out: -1438.010+/-59.752 χ^2/NDF:4204.8/22

All: -913.835+/-43.817 χ^2/NDF: 9749.2/41

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 195.534+/-0.086 χ^2/NDF:29890.8/2

Left: 197.129+/-0.060 χ^2/NDF: 39566.0/6

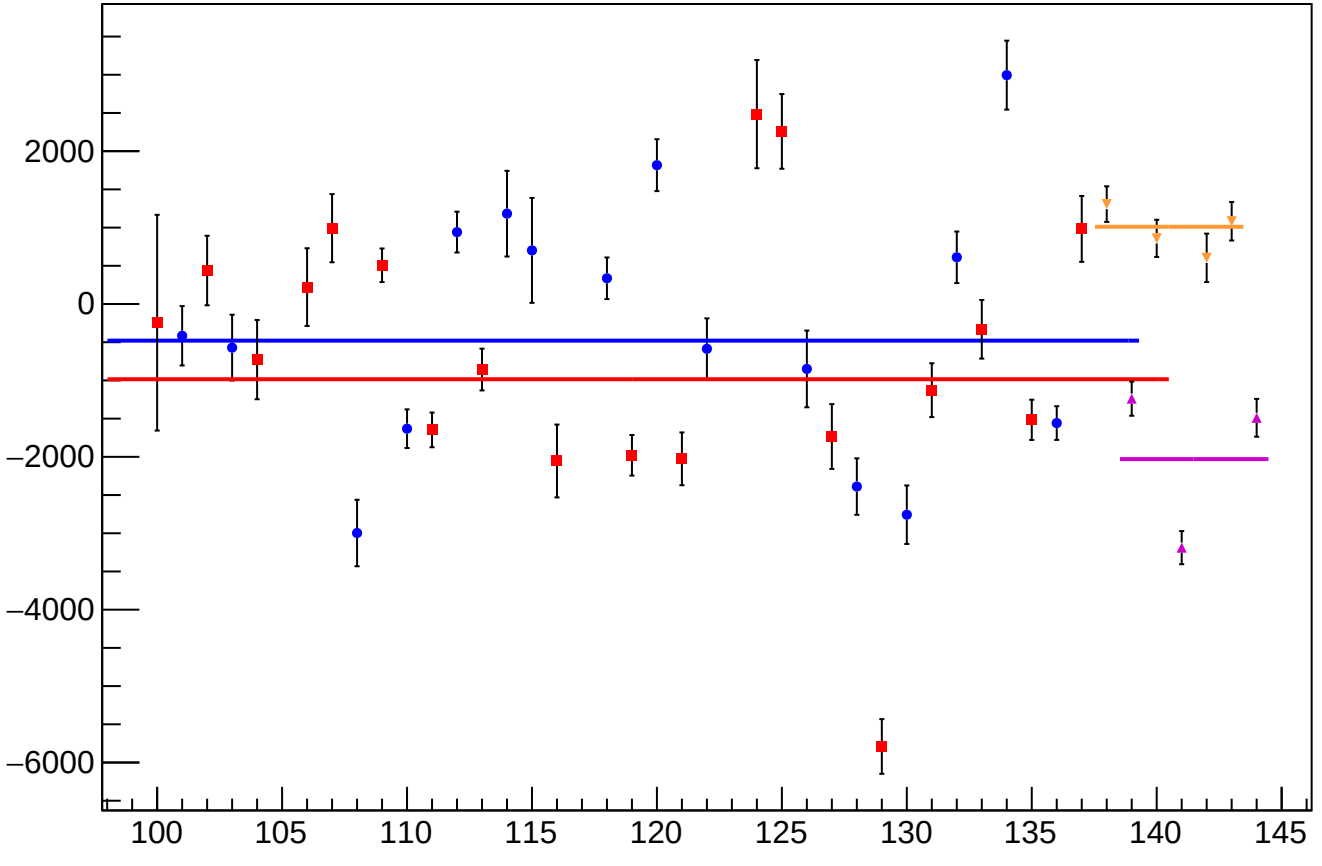
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.468+/-0.046 χ^2/NDF:995889.8/18

Out: 182.565+/-0.042 χ^2/NDF:1417451.4/22

All: 188.067+/-0.031 χ^2/NDF: 2450025.5/41

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2029.548+/-131.776 χ^2/NDF:45.8/2

Left: -465.459+/-91.819 χ^2/NDF: 323.4/6

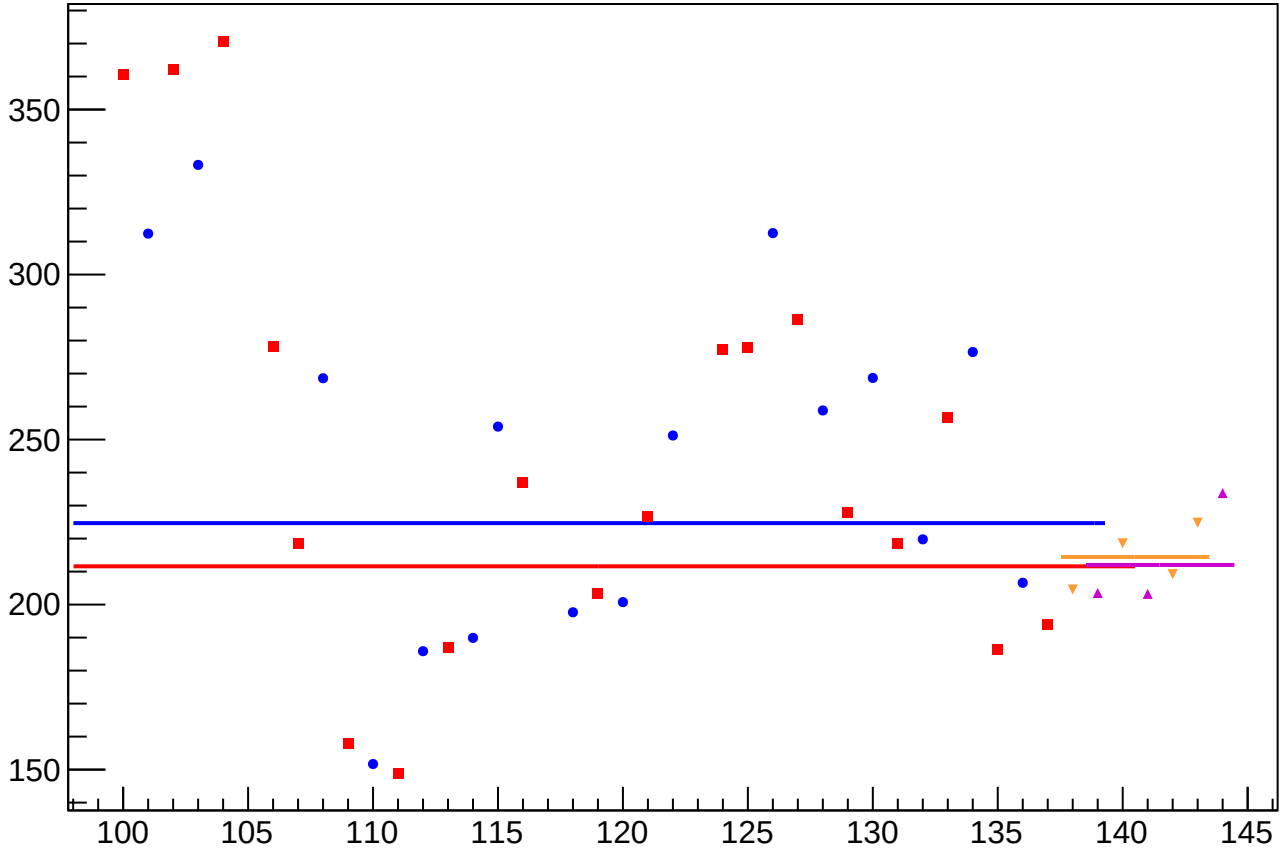
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -947.522+/-72.421 χ^2/NDF:447.9/18

Out: -414.653+/-68.415 χ^2/NDF:575.4/22

All: -665.943+/-49.732 χ^2/NDF: 1051.9/41

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.007+/-0.093 χ^2/NDF:21636.0/2

Left: 213.254+/-0.065 χ^2/NDF: 30078.6/6

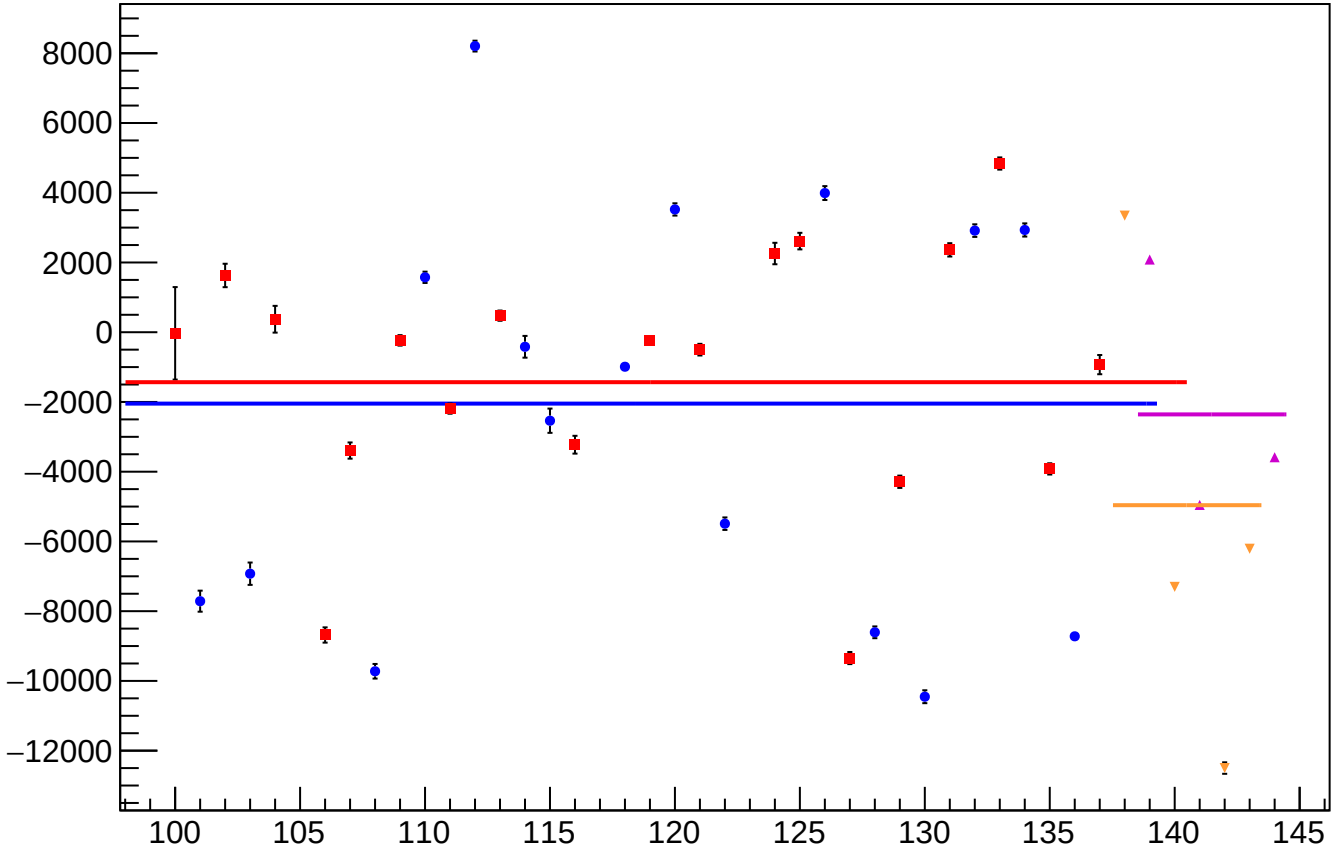
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.854+/-0.051 χ^2/NDF:687745.0/18

Out: 212.405+/-0.048 χ^2/NDF:941698.4/22

All: 216.390+/-0.035 χ^2/NDF: 1643828.9/41

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -2356.719+/-69.363 χ^2/NDF:1828.0/2

Left: -3724.248+/-47.795 χ^2/NDF: 9354.2/6

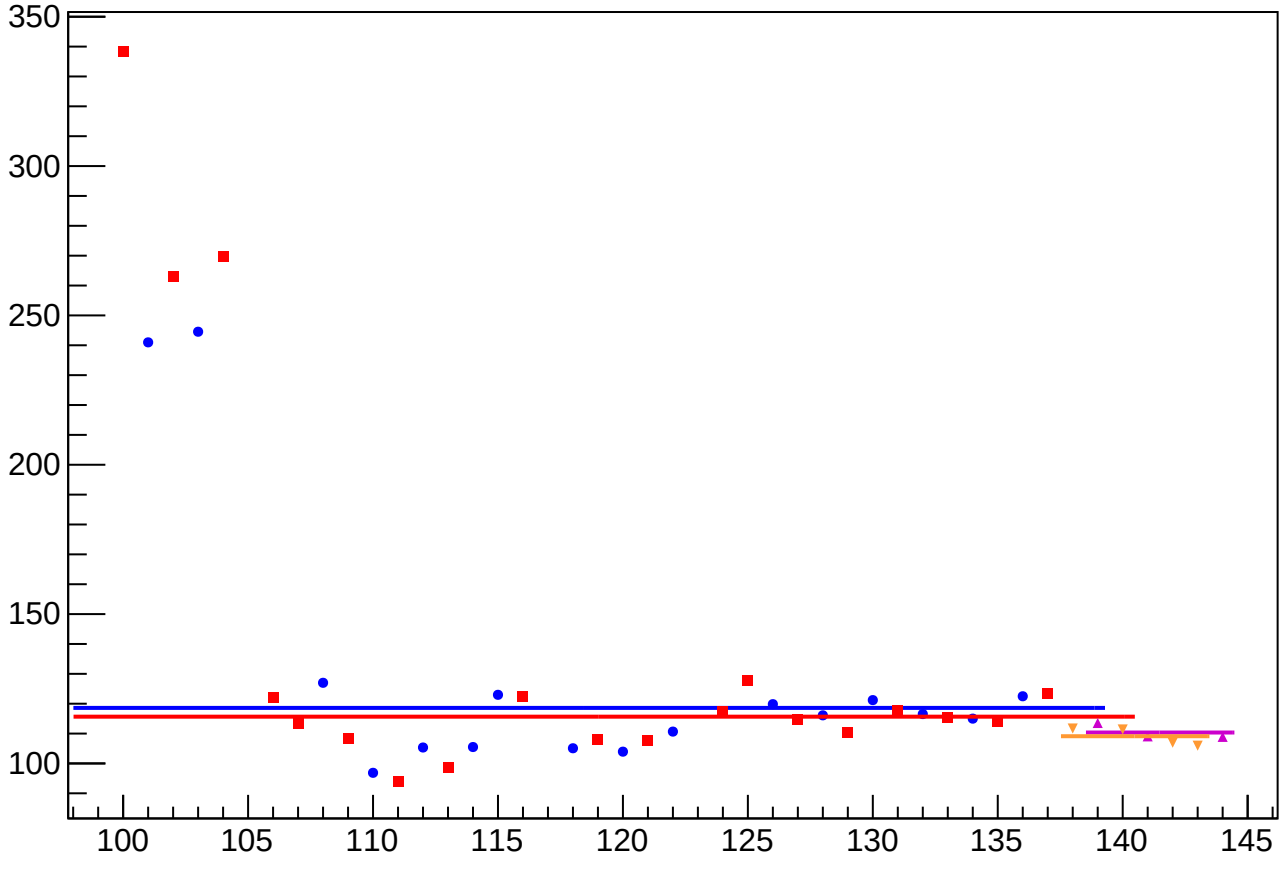
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2143.849+/-38.751 χ^2/NDF:18550.9/18

Out: -2544.331+/-37.018 χ^2/NDF:15133.5/22

All: -2353.244+/-26.767 χ^2/NDF: 33740.2/41

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 110.353+/-0.049 χ^2/NDF:1824.0/2

Left: 109.702+/-0.034 χ^2/NDF: 5358.7/6

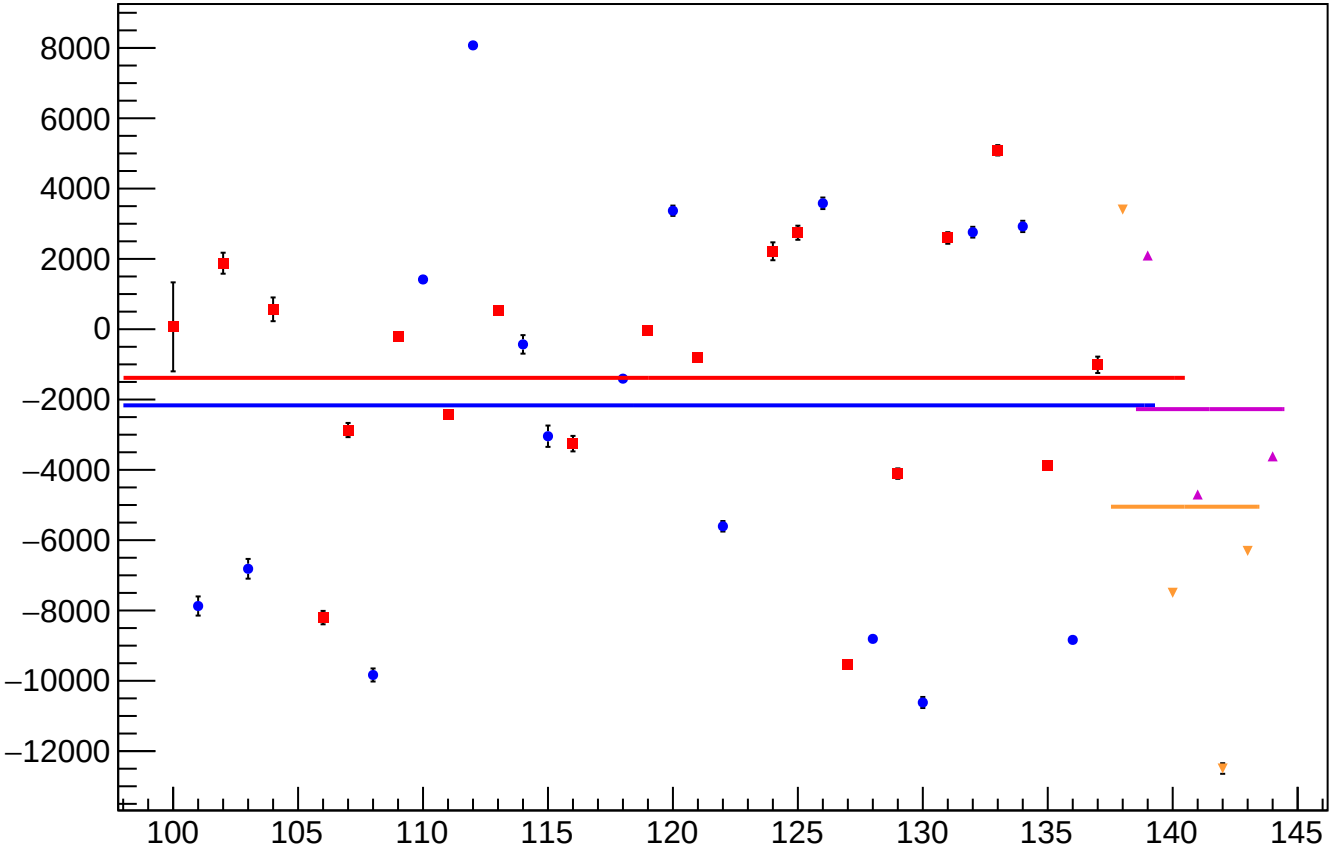
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.023+/-0.027 χ^2/NDF:755410.3/18

Out: 113.597+/-0.026 χ^2/NDF:880902.3/22

All: 114.755+/-0.019 χ^2/NDF: 1640411.7/41

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5048.463+/-59.696 χ^2/NDF:8332.2/3

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -2272.911+/-64.171 χ^2/NDF:2072.5/2

Left: -3760.829+/-43.708 χ^2/NDF: 11407.7/6

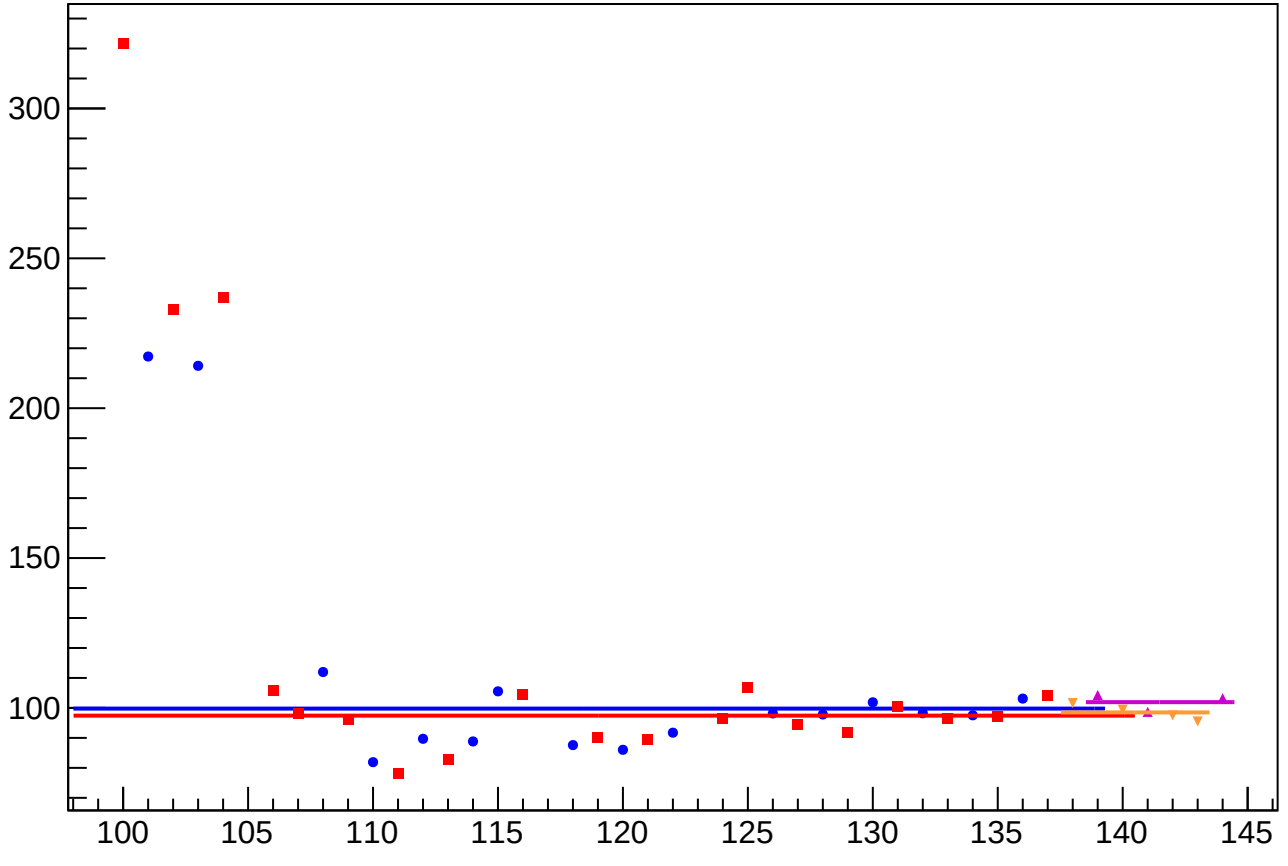
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2195.431+/-33.719 χ^2/NDF:24949.4/18

Out: -2439.093+/-32.042 χ^2/NDF:20164.7/22

All: -2323.474+/-23.227 χ^2/NDF: 45141.5/41

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 98.500+/-0.042 χ^2/NDF:3204.2/3

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 101.926+/-0.045 χ^2/NDF:2981.7/2

Left: 100.090+/-0.031 χ^2/NDF: 9241.7/6

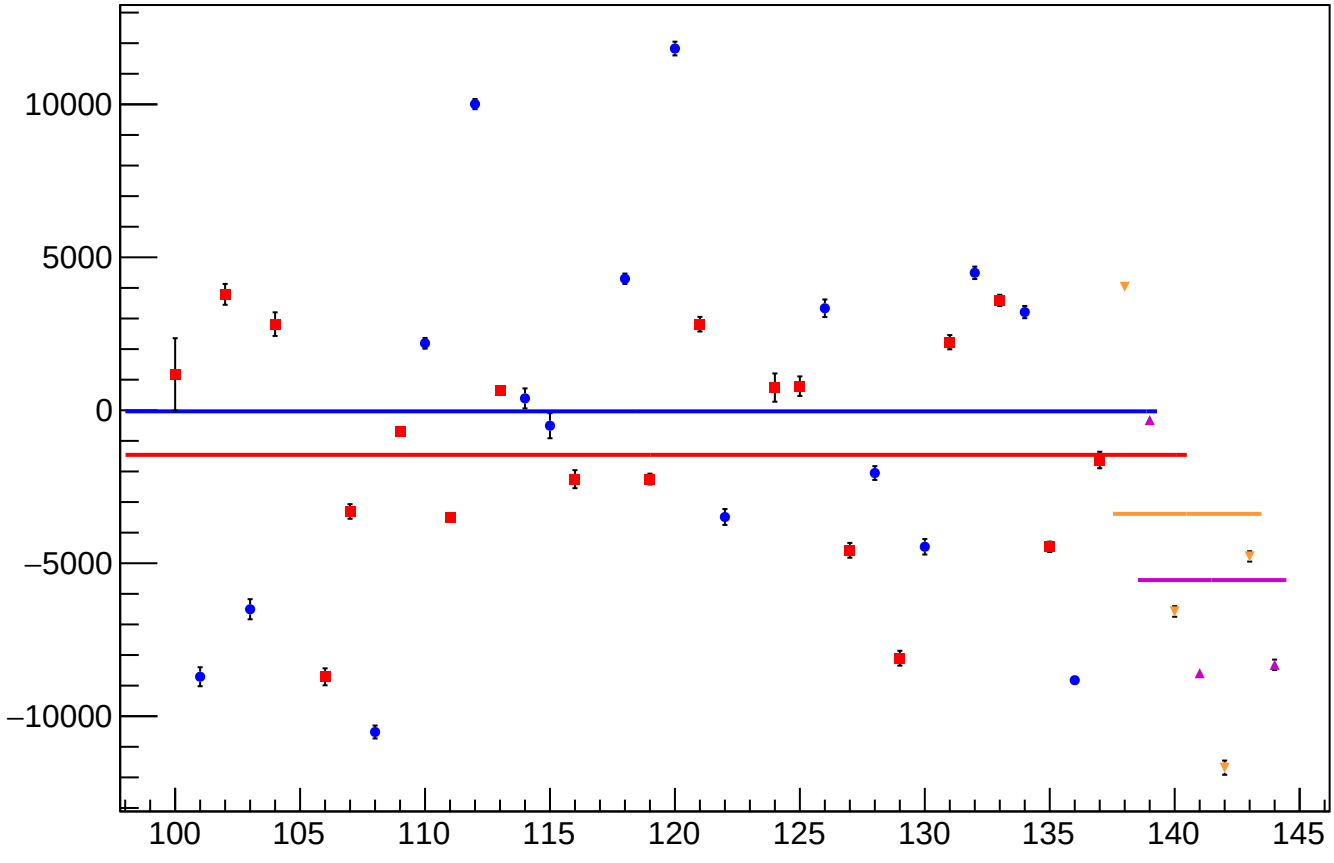
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 100.369+/-0.024 χ^2/NDF:813762.1/18

Out: 97.737+/-0.023 χ^2/NDF:929711.6/22

All: 98.985+/-0.016 χ^2/NDF: 1749877.4/41

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3385.558+/-88.278 χ^2/NDF:3969.5/3

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -5549.954+/-95.133 χ^2/NDF:1683.8/2

Left: -4386.978+/-64.710 χ^2/NDF: 5931.4/6

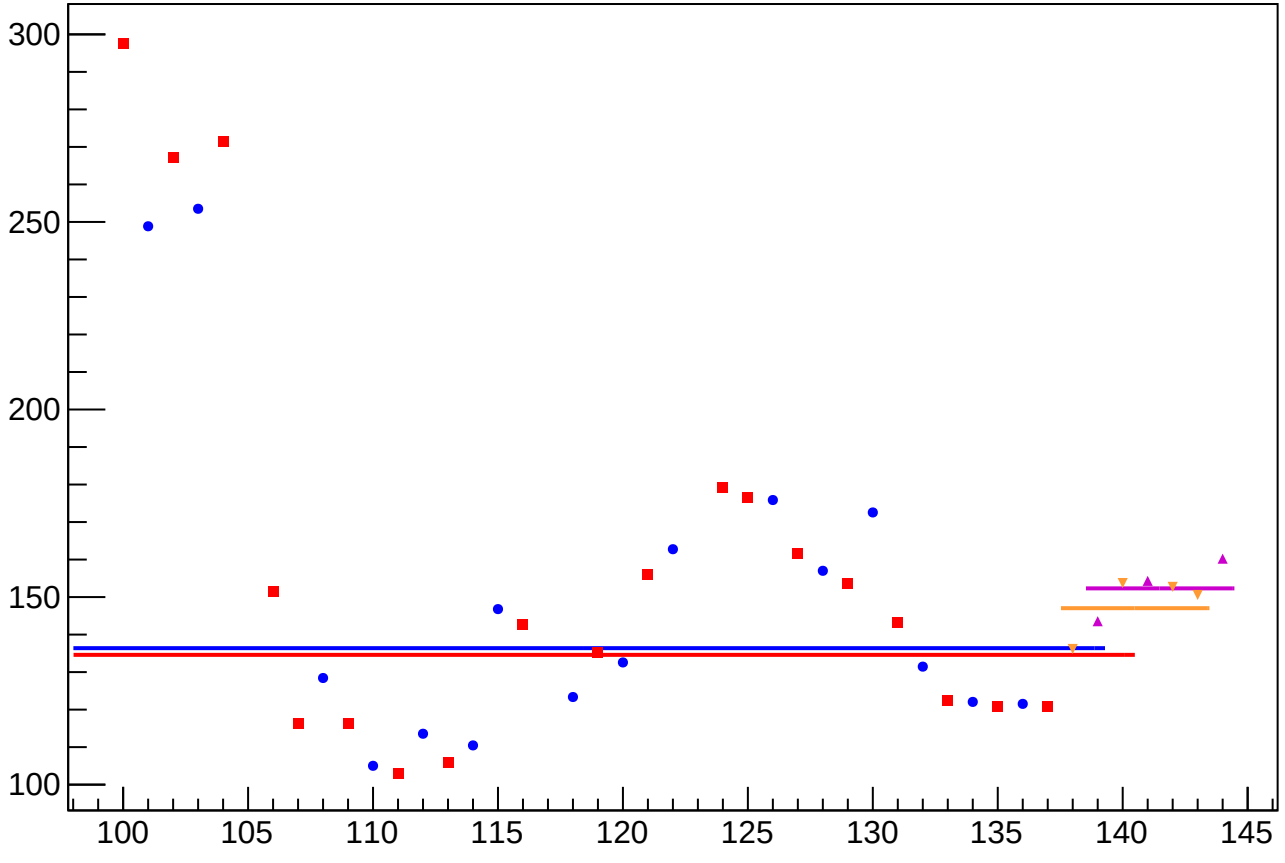
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -1358.535+/-46.609 χ^2/NDF:21040.9/18

Out: -1952.773+/-44.770 χ^2/NDF:8441.1/22

All: -1667.607+/-32.288 χ^2/NDF: 29566.6/41

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 147.039+/-0.062 χ^2/NDF:14884.7/3

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 152.319+/-0.067 χ^2/NDF:10662.4/2

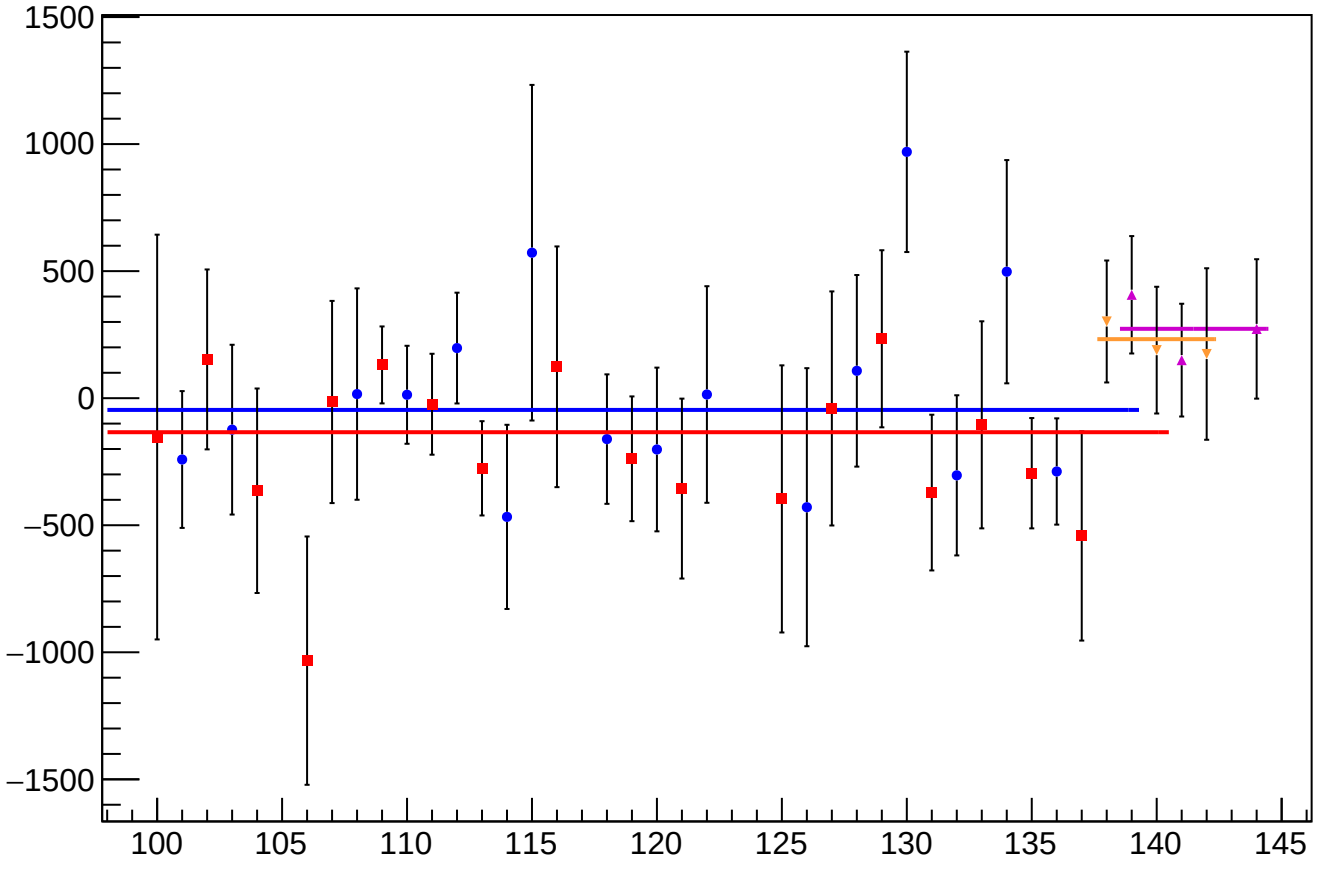
Left: 149.482+/-0.046 χ^2/NDF: 28857.0/6

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 140.209+/-0.033 χ^2/NDF:850166.8/18

Out: 137.798+/-0.032 χ^2/NDF:963995.6/22

All: 138.955+/-0.023 χ^2/NDF: 1816944.2/41



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 232.290+/-153.894 χ^2/NDF:0.1/2

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 273.004+/-138.228 χ^2/NDF:0.6/2

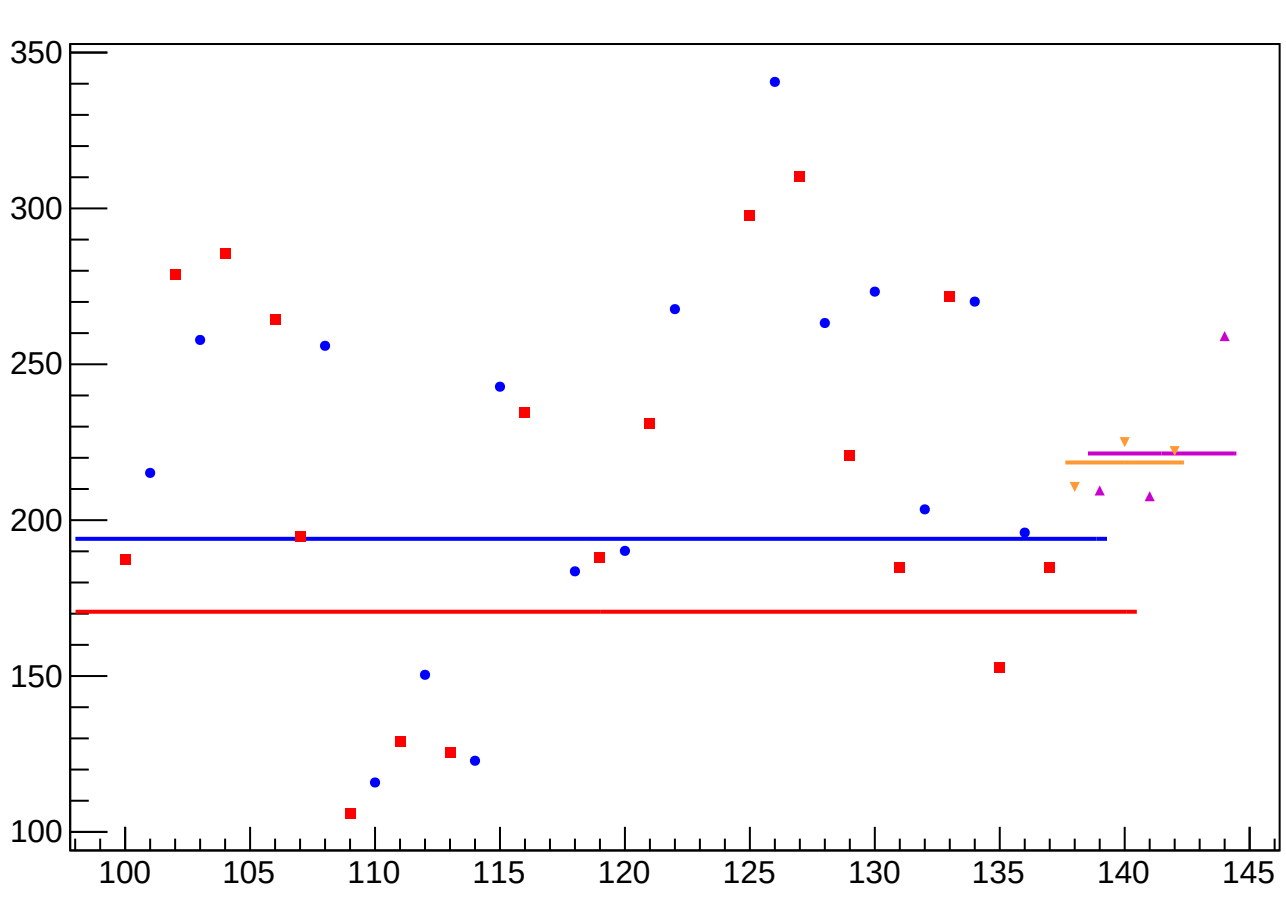
Left: 254.824+/-102.836 χ^2/NDF: 0.8/5

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 28.320+/-66.788 χ^2/NDF:20.2/18

Out: -73.485+/-62.515 χ^2/NDF:17.7/20

All: -25.943+/-45.640 χ^2/NDF: 39.1/39



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.505+/-0.109 χ^2/NDF:3735.0/2

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 221.389+/-0.098 χ^2/NDF:50576.3/2

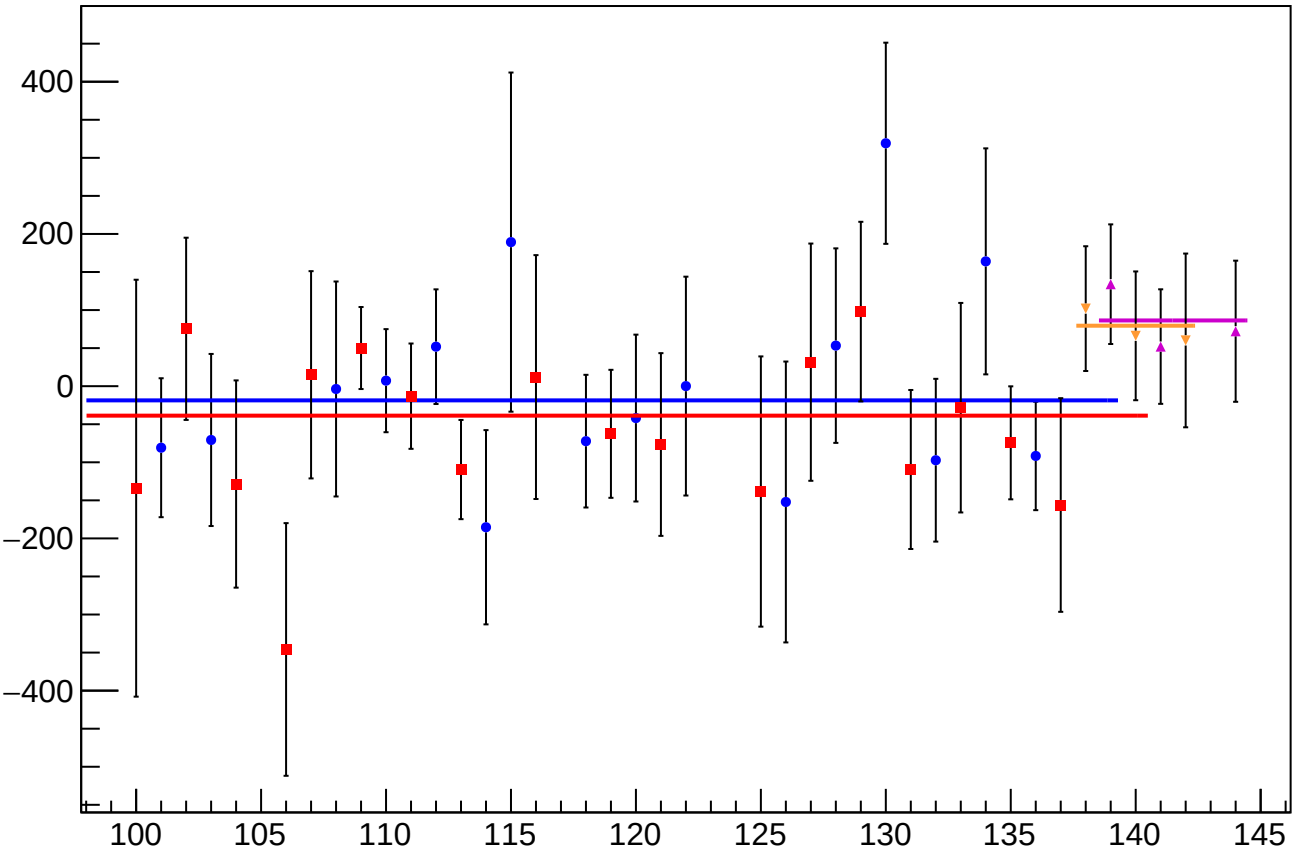
Left: 220.101+/-0.073 χ^2/NDF: 54700.0/5

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 200.407+/-0.047 χ^2/NDF:1154280.5/18

Out: 178.525+/-0.044 χ^2/NDF:1759128.9/20

All: 188.743+/-0.032 χ^2/NDF: 3027844.2/39



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 79.446+/-52.315 χ^2/NDF:0.1/2

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 86.363+/-46.886 χ^2/NDF:0.6/2

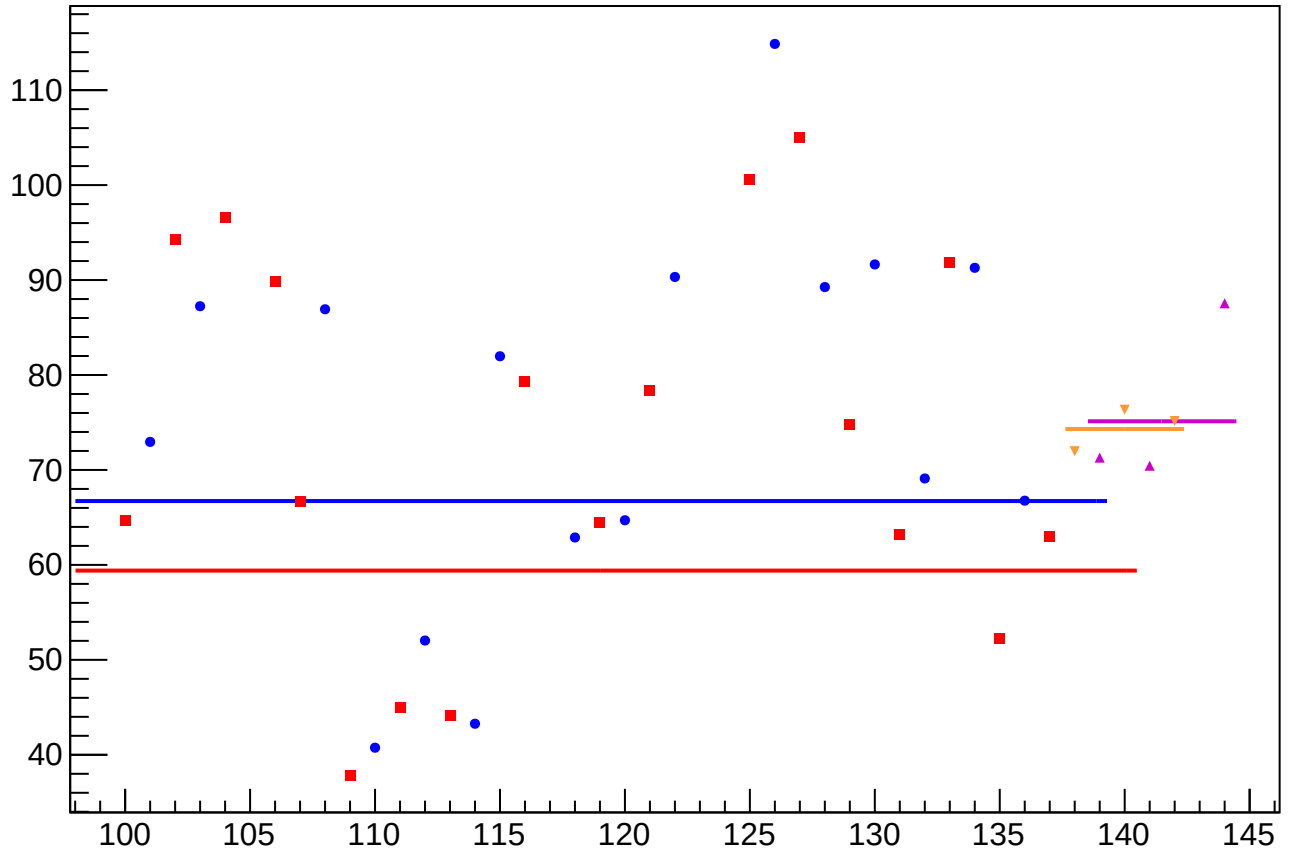
Left: 83.282+/-34.916 χ^2/NDF: 0.7/5

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 6.229+/-22.820 χ^2/NDF:19.6/18

Out: -18.663+/-21.552 χ^2/NDF:17.0/20

All: -6.928+/-15.668 χ^2/NDF: 37.2/39



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.309+/-0.037 χ^2/NDF:2893.9/2

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 75.125+/-0.033 χ^2/NDF:48417.2/2

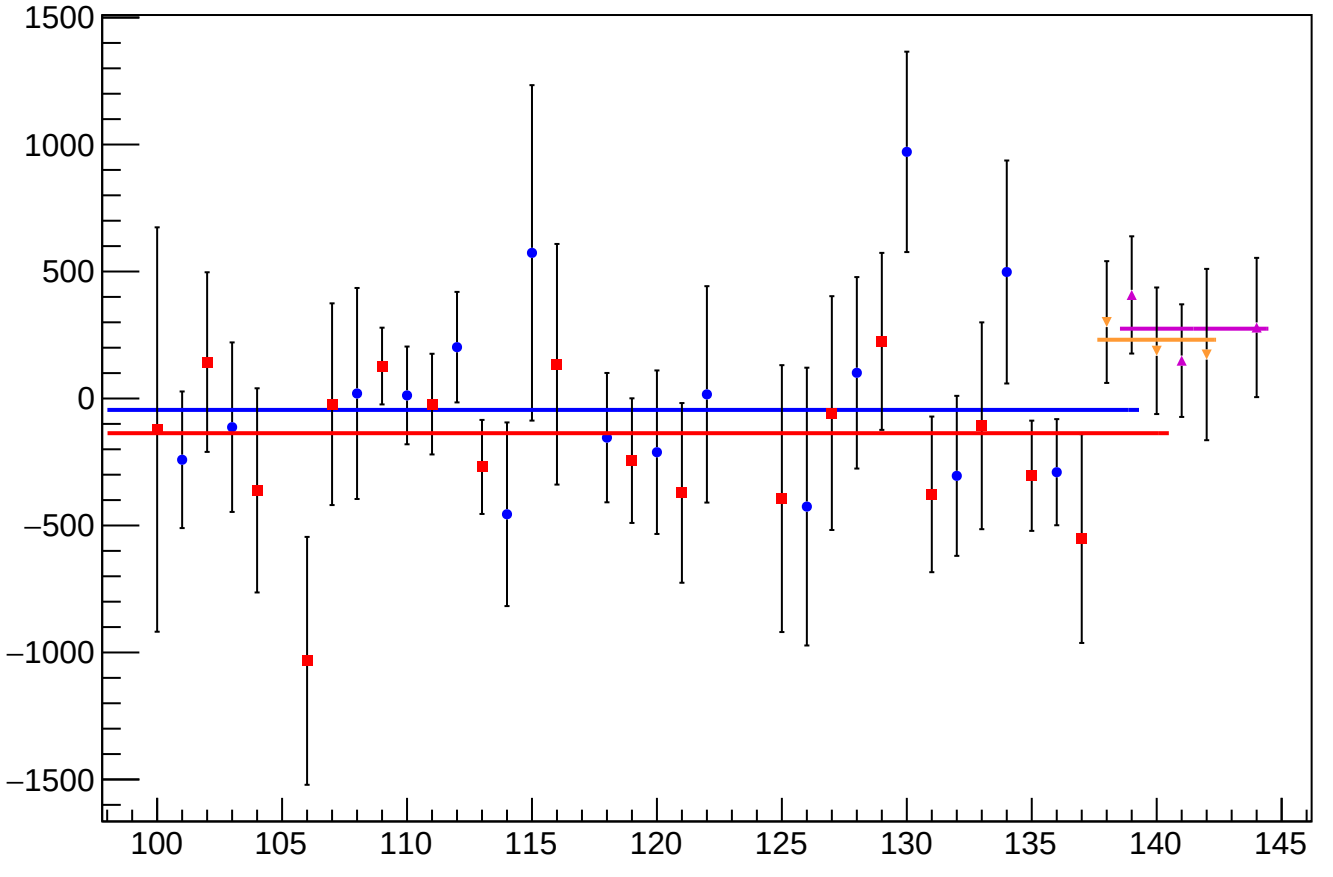
Left: 74.761+/-0.025 χ^2/NDF: 51580.5/5

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 68.714+/-0.016 χ^2/NDF:1044448.3/18

Out: 61.931+/-0.015 χ^2/NDF:1583126.7/20

All: 65.129+/-0.011 χ^2/NDF: 2720988.0/39



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 231.376+/-153.761 χ^2/NDF:0.1/2

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 274.873+/-138.122 χ^2/NDF:0.7/2

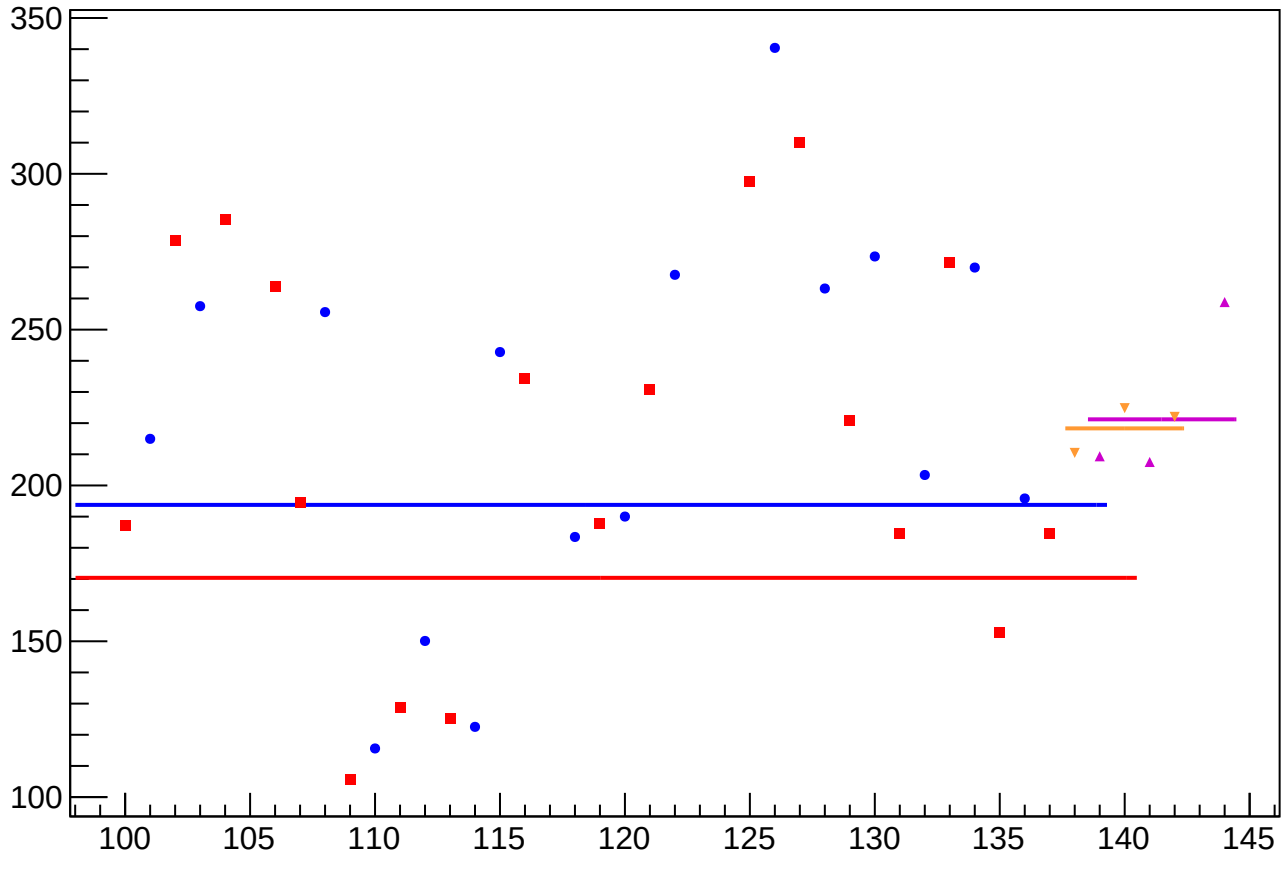
Left: 255.448+/-102.753 χ^2/NDF: 0.8/5

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 29.700+/-66.719 χ^2/NDF:20.2/18

Out: -75.909+/-62.436 χ^2/NDF:17.8/20

All: -26.603+/-45.588 χ^2/NDF: 39.4/39



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 218.316+/-0.109 χ^2/NDF:3752.7/2

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 221.218+/-0.098 χ^2/NDF:50583.0/2

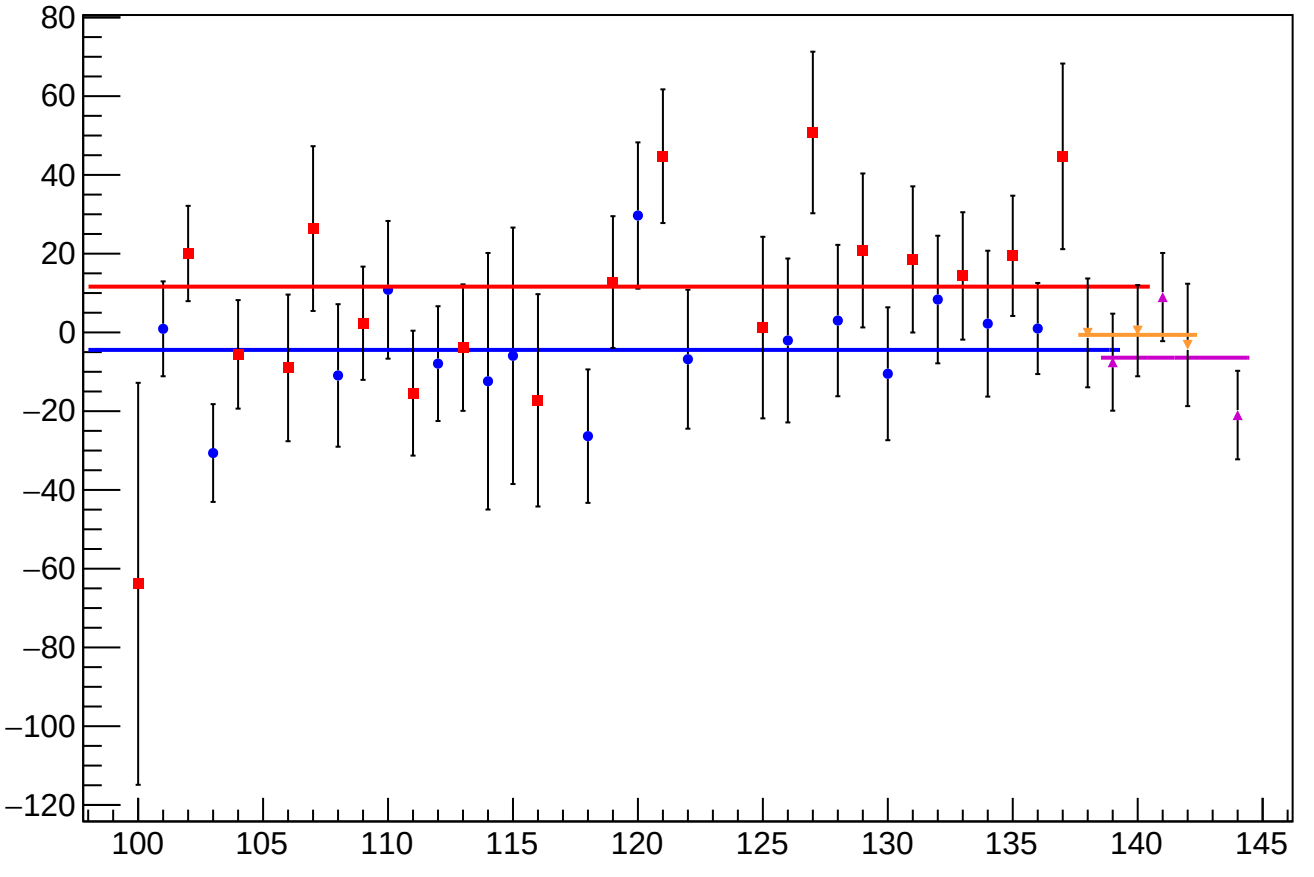
Left: 219.922+/-0.073 χ^2/NDF: 54730.1/5

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 200.173+/-0.047 χ^2/NDF:1159241.7/18

Out: 178.265+/-0.044 χ^2/NDF:1765259.3/20

All: 188.493+/-0.032 χ^2/NDF: 3039462.1/39



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.623+/-7.707 χ^2/NDF:0.0/2

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -6.419+/-6.670 χ^2/NDF:3.6/2

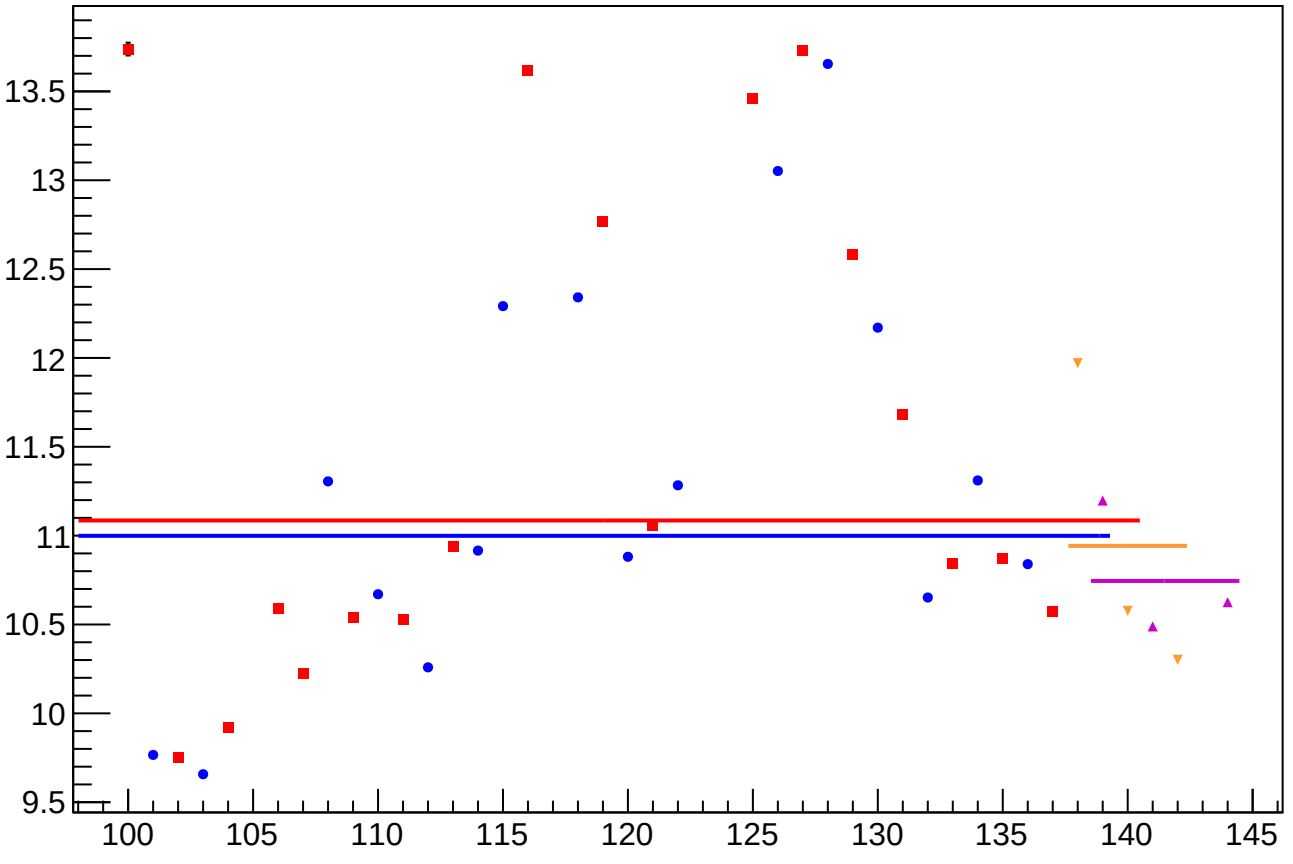
Left: -3.937+/-5.043 χ^2/NDF: 3.9/5

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -4.989+/-3.512 χ^2/NDF:15.6/18

Out: 8.887+/-3.645 χ^2/NDF:23.6/20

All: 1.692+/-2.529 χ^2/NDF: 46.8/39



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.942+/-0.005 χ^2/NDF:16471.4/2

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.745+/-0.005 χ^2/NDF:3970.0/2

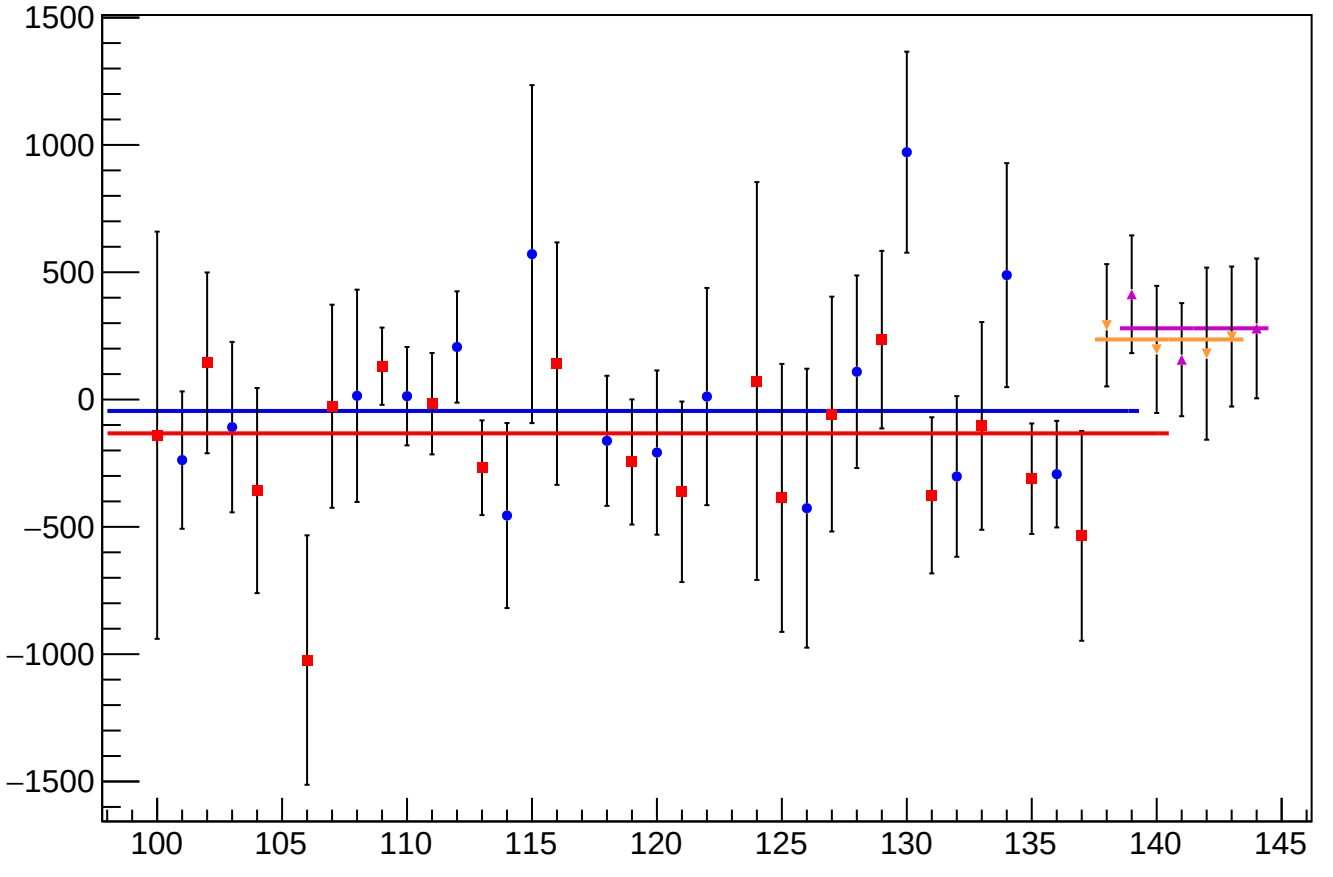
Left: 10.830+/-0.004 χ^2/NDF: 21192.0/5

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.929+/-0.002 χ^2/NDF:142225.4/18

Out: 11.053+/-0.003 χ^2/NDF:179208.8/20

All: 10.989+/-0.002 χ^2/NDF: 322648.9/39



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 236.018+/-134.378 χ^2/NDF:0.1/3

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 279.765+/-138.349 χ^2/NDF:0.6/2

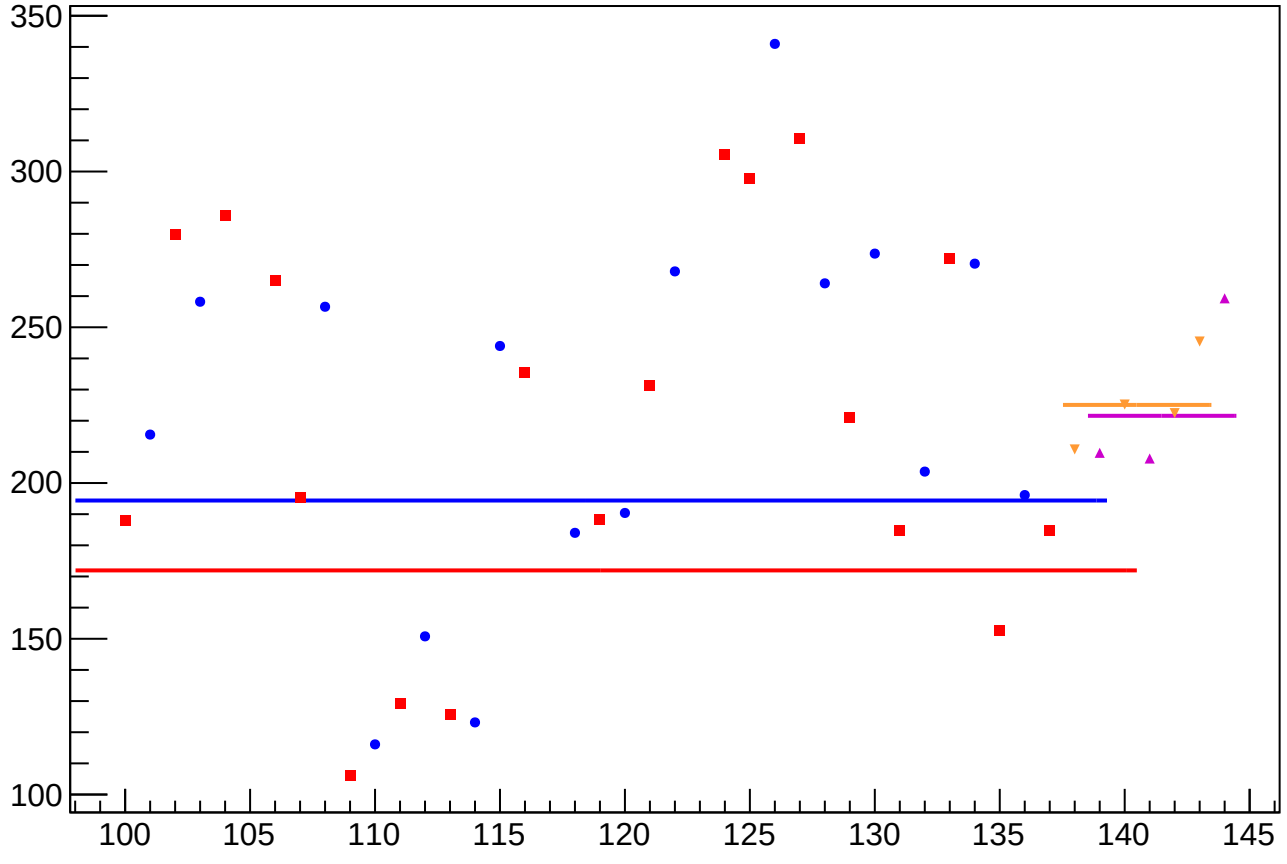
Left: 257.254+/-96.393 χ^2/NDF: 0.8/6

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 31.085+/-66.896 χ^2/NDF:20.3/18

Out: -57.079+/-60.865 χ^2/NDF:18.9/22

All: -17.149+/-45.020 χ^2/NDF: 40.2/41



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 225.077+/-0.095 χ^2/NDF:18167.5/3

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 221.579+/-0.098 χ^2/NDF:50628.5/2

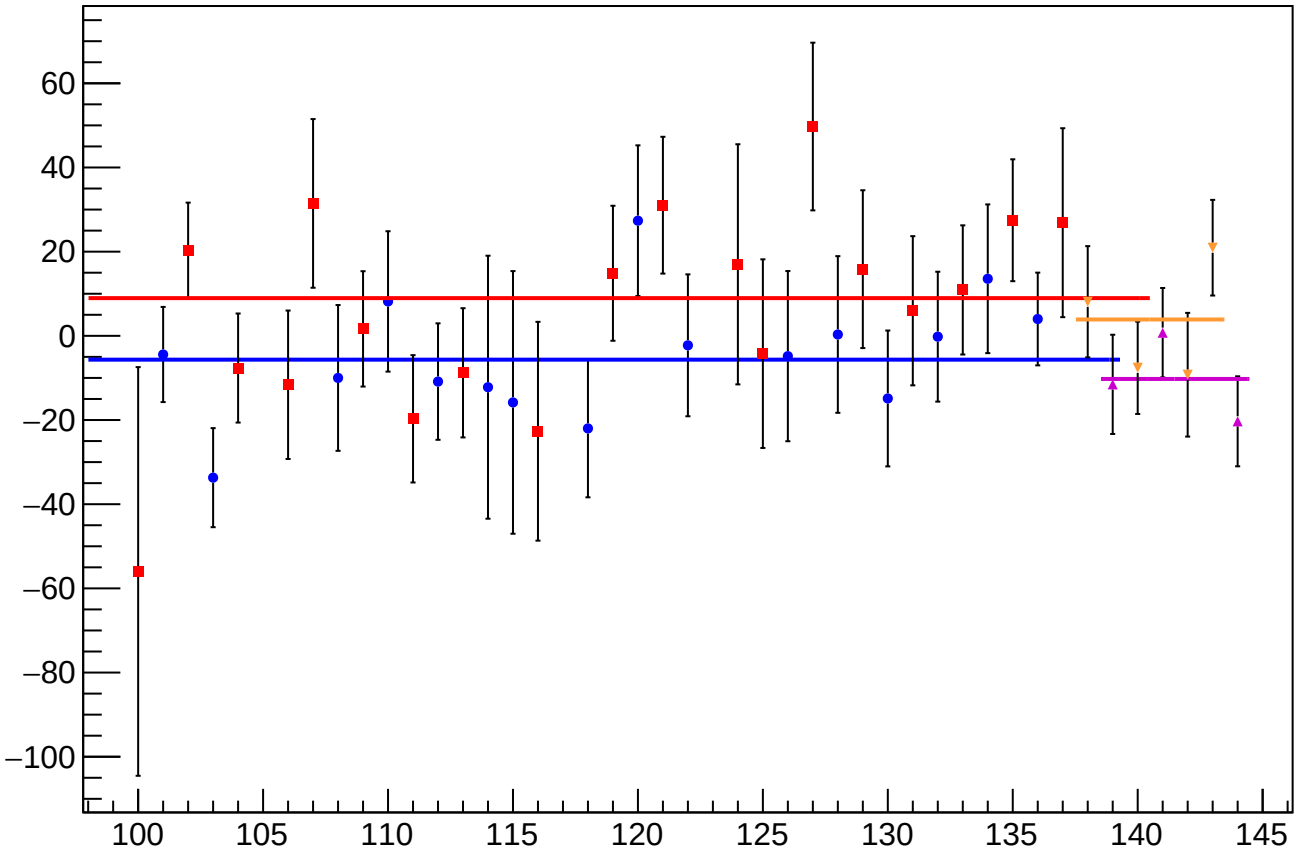
Left: 223.379+/-0.068 χ^2/NDF: 69453.9/6

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 200.743+/-0.047 χ^2/NDF:1151859.3/18

Out: 182.848+/-0.043 χ^2/NDF:1918002.4/22

All: 190.953+/-0.032 χ^2/NDF: 3148158.9/41



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 3.886+/-6.152 χ^2/NDF:4.2/3

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -10.242+/-6.350 χ^2/NDF:2.0/2

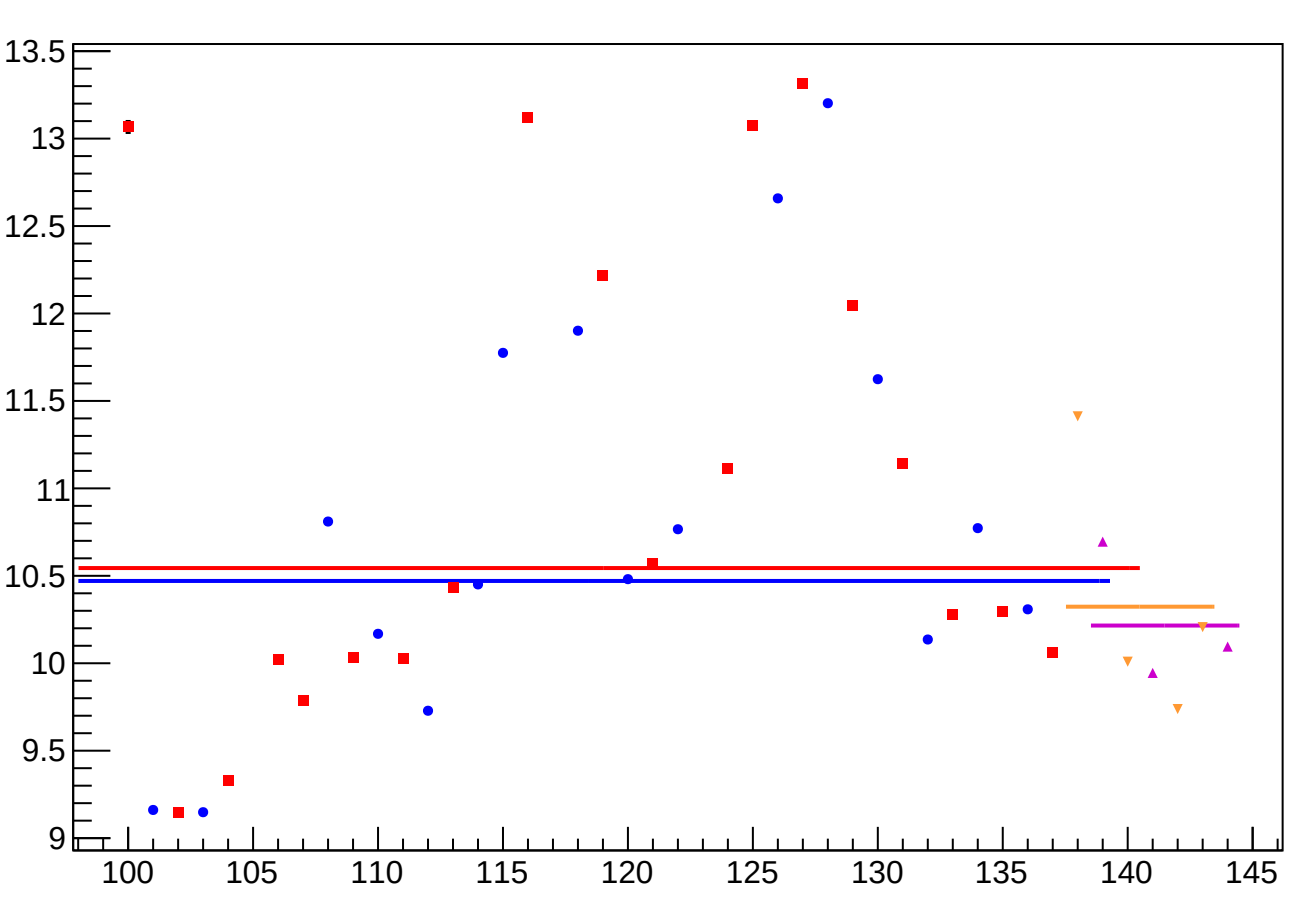
Left: -2.956+/-4.419 χ^2/NDF: 8.8/6

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -6.931+/-3.347 χ^2/NDF:16.0/18

Out: 7.505+/-3.294 χ^2/NDF:27.5/22

All: 0.402+/-2.348 χ^2/NDF: 53.0/41



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.323+/-0.004 χ^2/NDF:18594.2/3

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.216+/-0.004 χ^2/NDF:4865.1/2

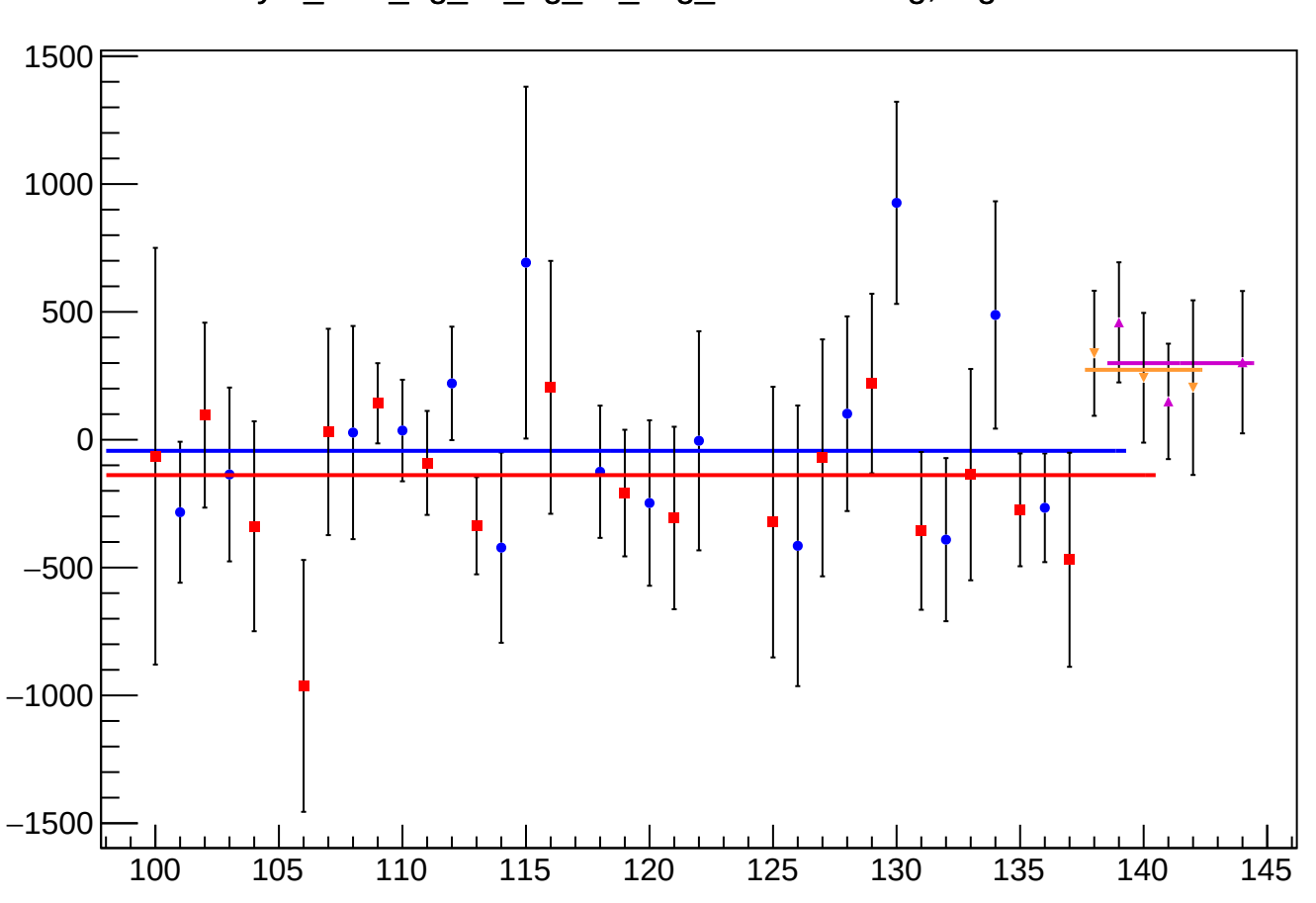
Left: 10.271+/-0.003 χ^2/NDF: 23756.7/6

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.400+/-0.002 χ^2/NDF:164559.4/18

Out: 10.481+/-0.002 χ^2/NDF:207213.4/22

All: 10.441+/-0.002 χ^2/NDF: 372371.8/41



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 273.498+/-156.517 χ^2/NDF:0.1/2

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 299.605+/-140.507 χ^2/NDF:0.9/2

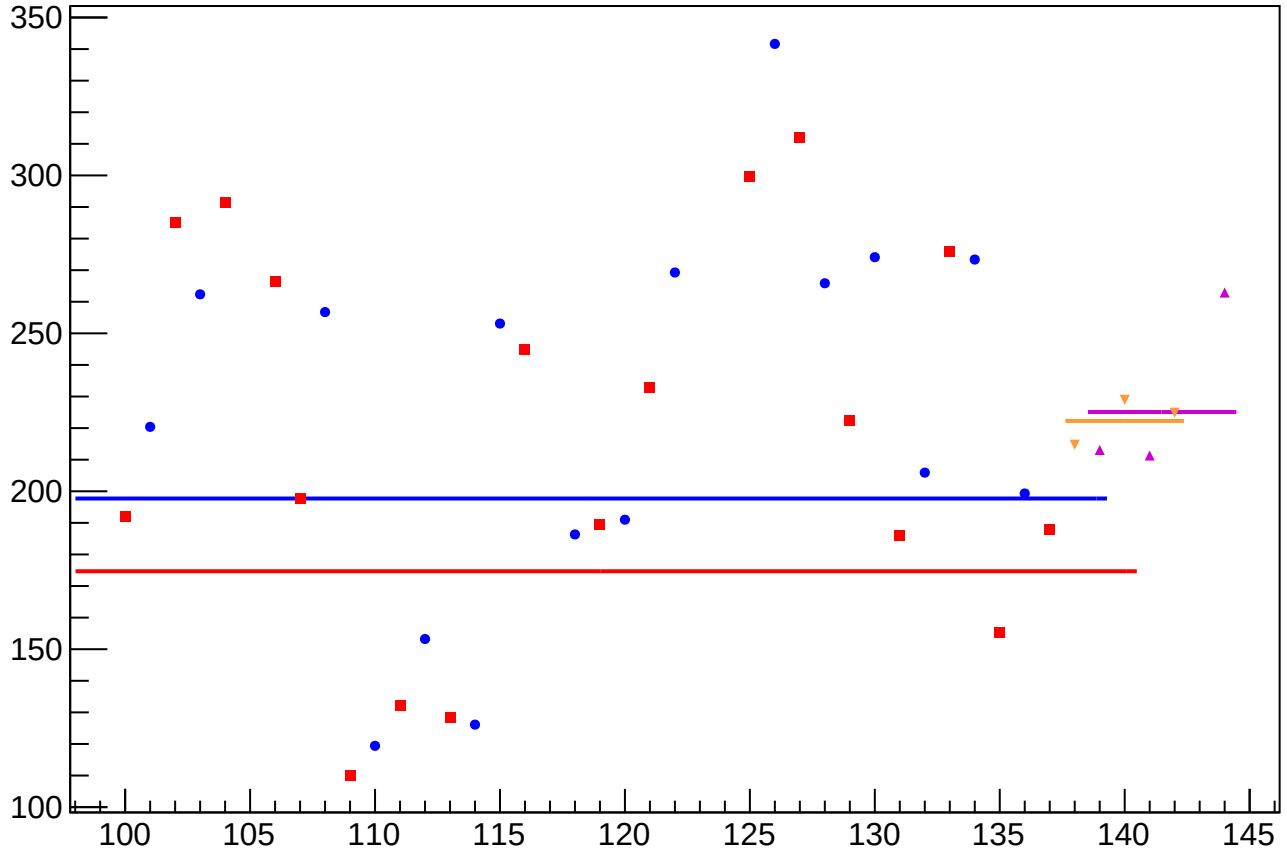
Left: 287.955+/-104.557 χ^2/NDF: 1.0/5

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 36.757+/-67.918 χ^2/NDF:20.9/18

Out: -70.063+/-63.773 χ^2/NDF:17.4/20

All: -20.012+/-46.491 χ^2/NDF: 39.6/39



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 222.267+/-0.111 χ^2/NDF:3404.3/2

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 225.096+/-0.099 χ^2/NDF:49597.9/2

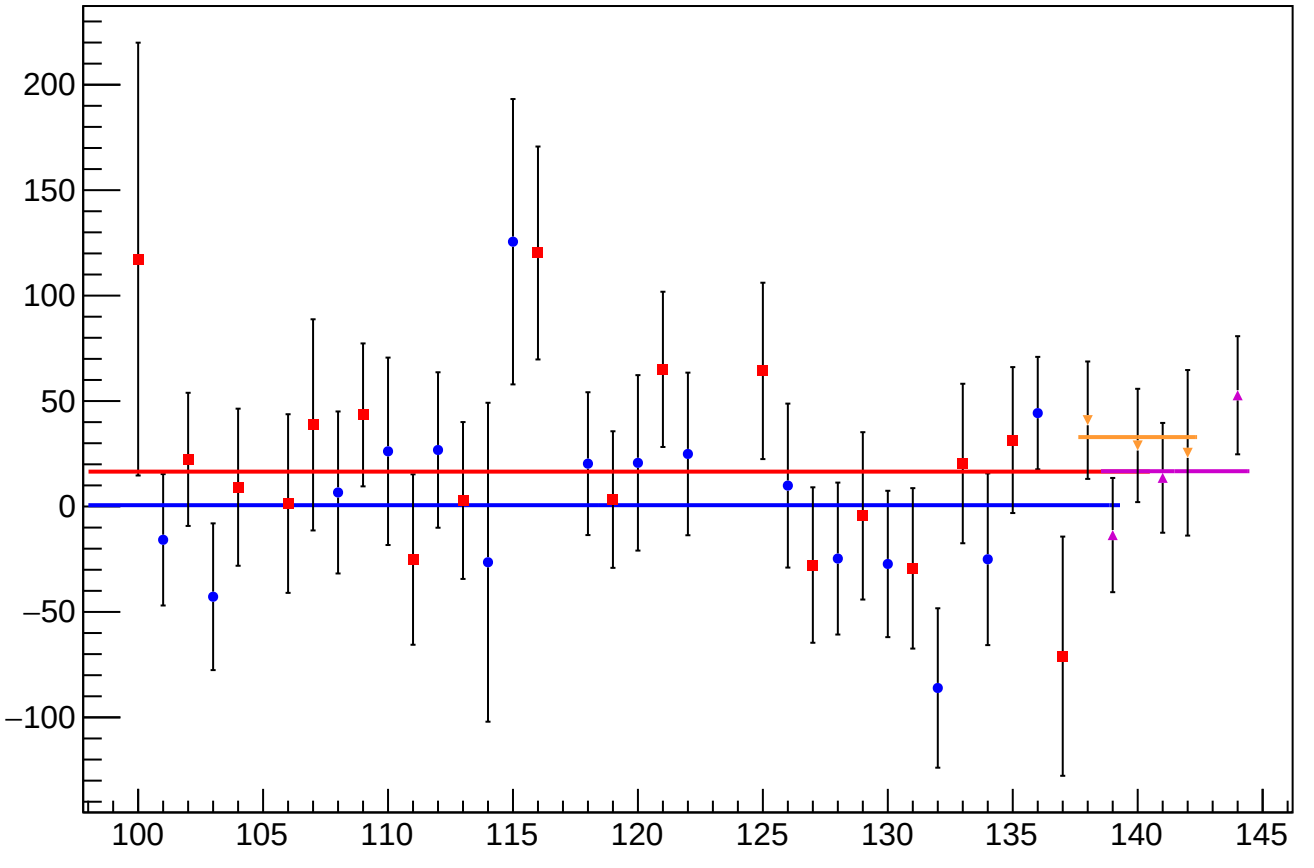
Left: 223.833+/-0.074 χ^2/NDF: 53364.0/5

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 204.107+/-0.048 χ^2/NDF:1108158.1/18

Out: 182.579+/-0.045 χ^2/NDF:1692343.3/20

All: 192.666+/-0.033 χ^2/NDF: 2907282.9/39



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 32.910+/-17.344 χ^2/NDF:0.1/2

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 16.733+/-15.592 χ^2/NDF:2.9/2

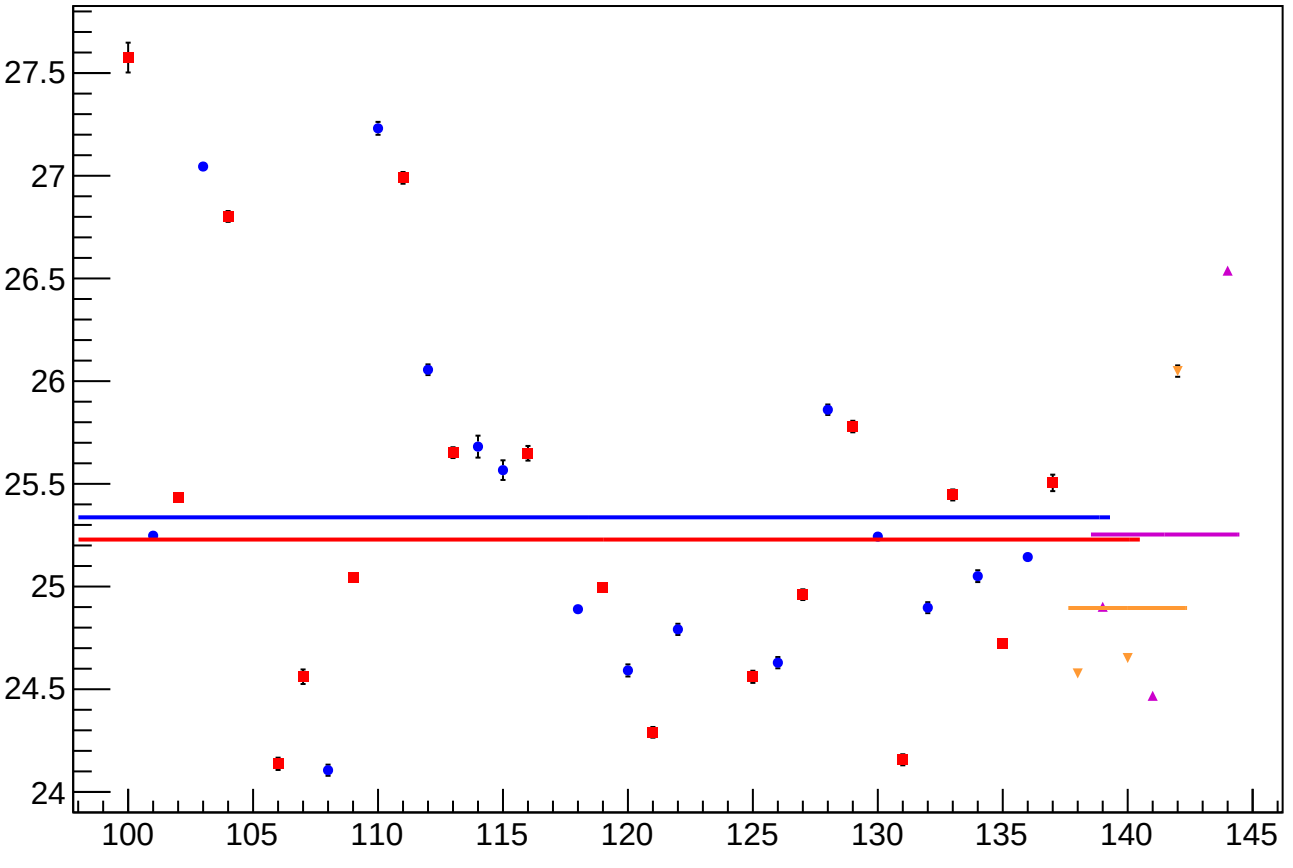
Left: 23.964+/-11.595 χ^2/NDF: 3.5/5

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.929+/-8.064 χ^2/NDF:20.4/18

Out: 20.195+/-8.201 χ^2/NDF:17.2/20

All: 12.433+/-5.750 χ^2/NDF: 39.4/39



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.896+/-0.012 χ^2/NDF:2153.1/2

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.253+/-0.011 χ^2/NDF:6364.7/2

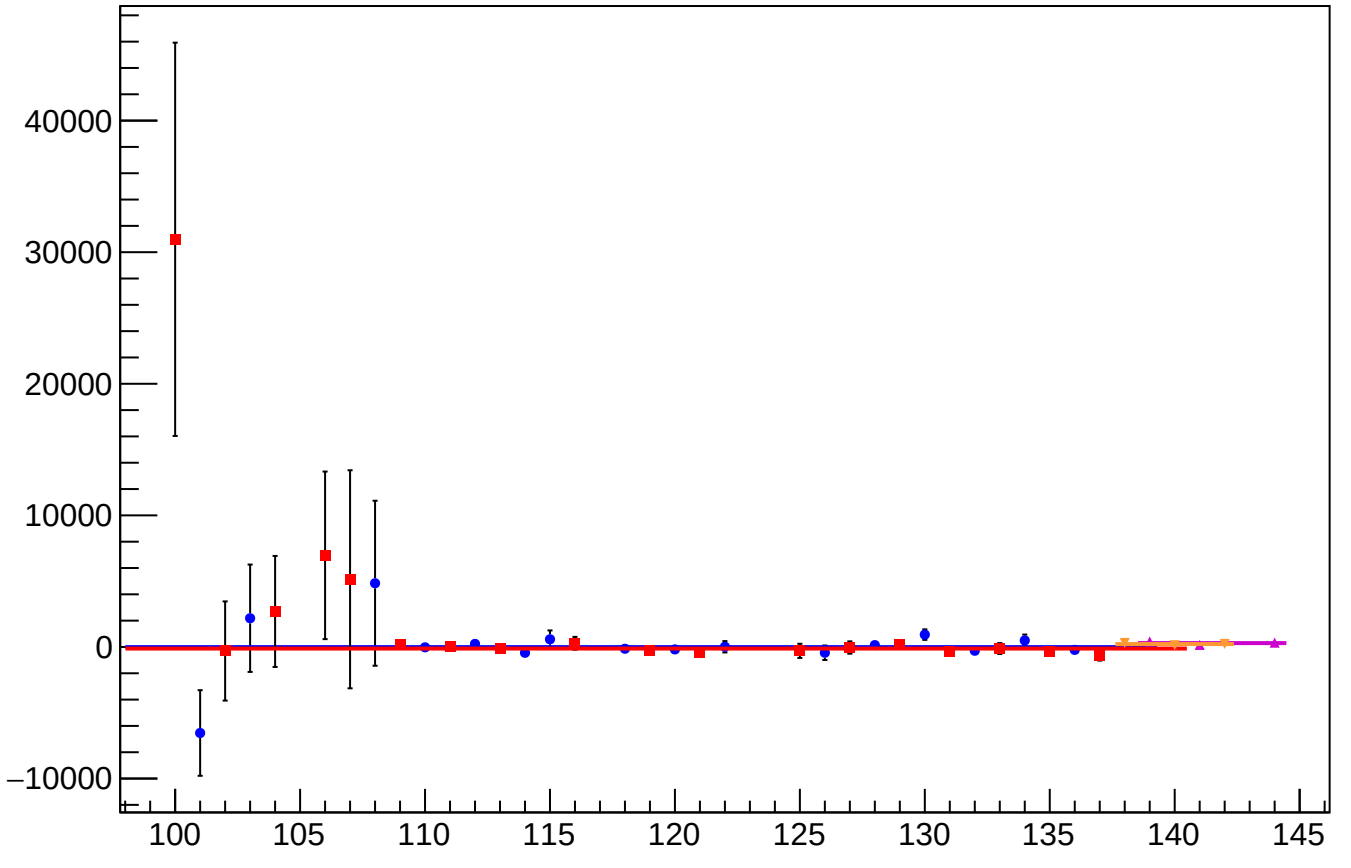
Left: 25.093+/-0.008 χ^2/NDF: 8988.4/5

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.315+/-0.006 χ^2/NDF:20721.9/18

Out: 25.154+/-0.006 χ^2/NDF:17902.4/20

All: 25.236+/-0.004 χ^2/NDF: 39013.0/39



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 219.281+/-154.523 χ^2/NDF:0.3/2

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 293.379+/-139.432 χ^2/NDF:0.7/2

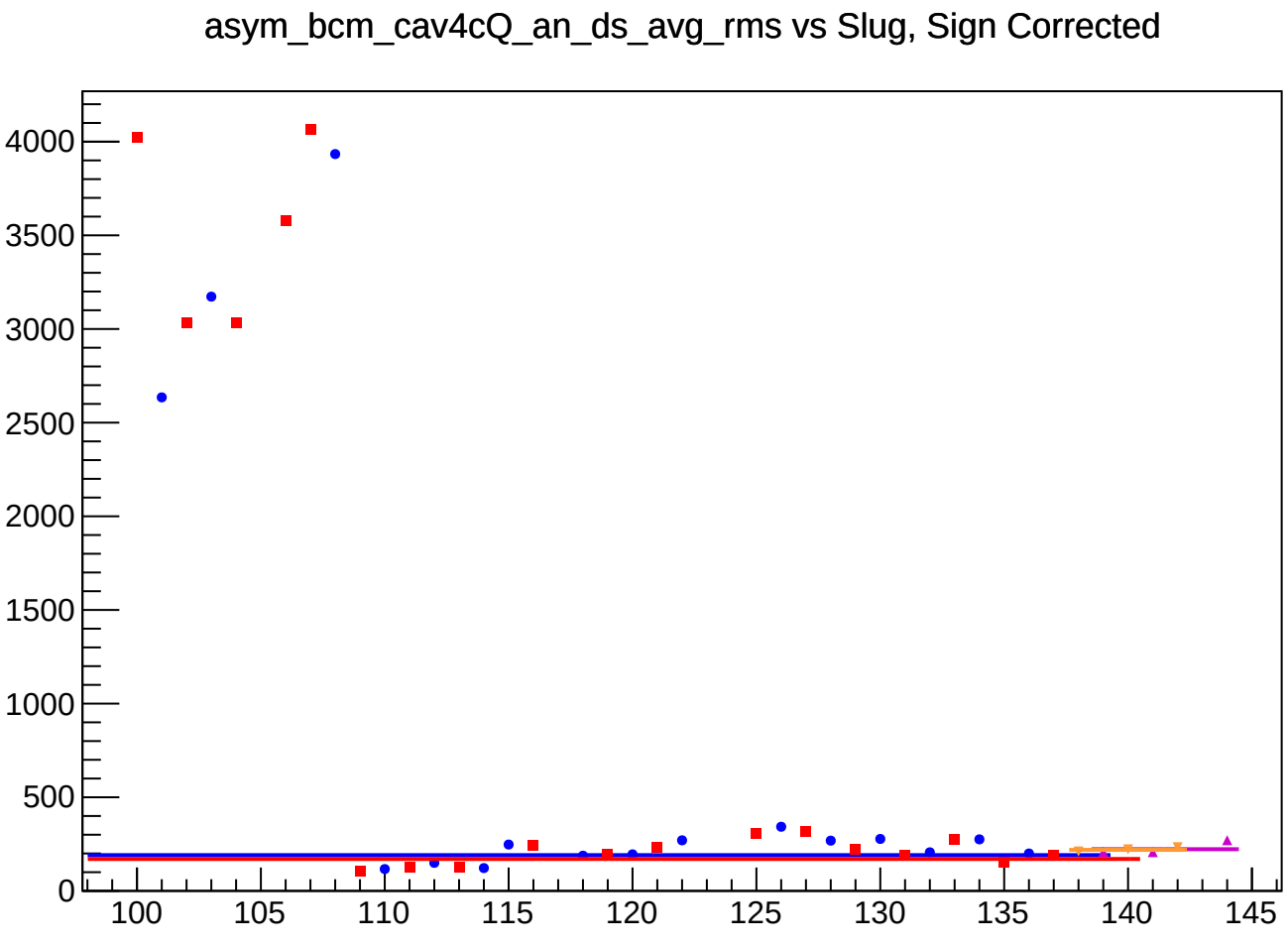
Left: 260.124+/-103.519 χ^2/NDF: 1.0/5

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 69.116+/-72.237 χ^2/NDF:22.5/18

Out: -50.744+/-69.807 χ^2/NDF:18.5/20

All: 7.137+/-50.198 χ^2/NDF: 42.4/39



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 219.203+/-0.109 χ^2/NDF:6074.1/2

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 222.688+/-0.099 χ^2/NDF:73878.8/2

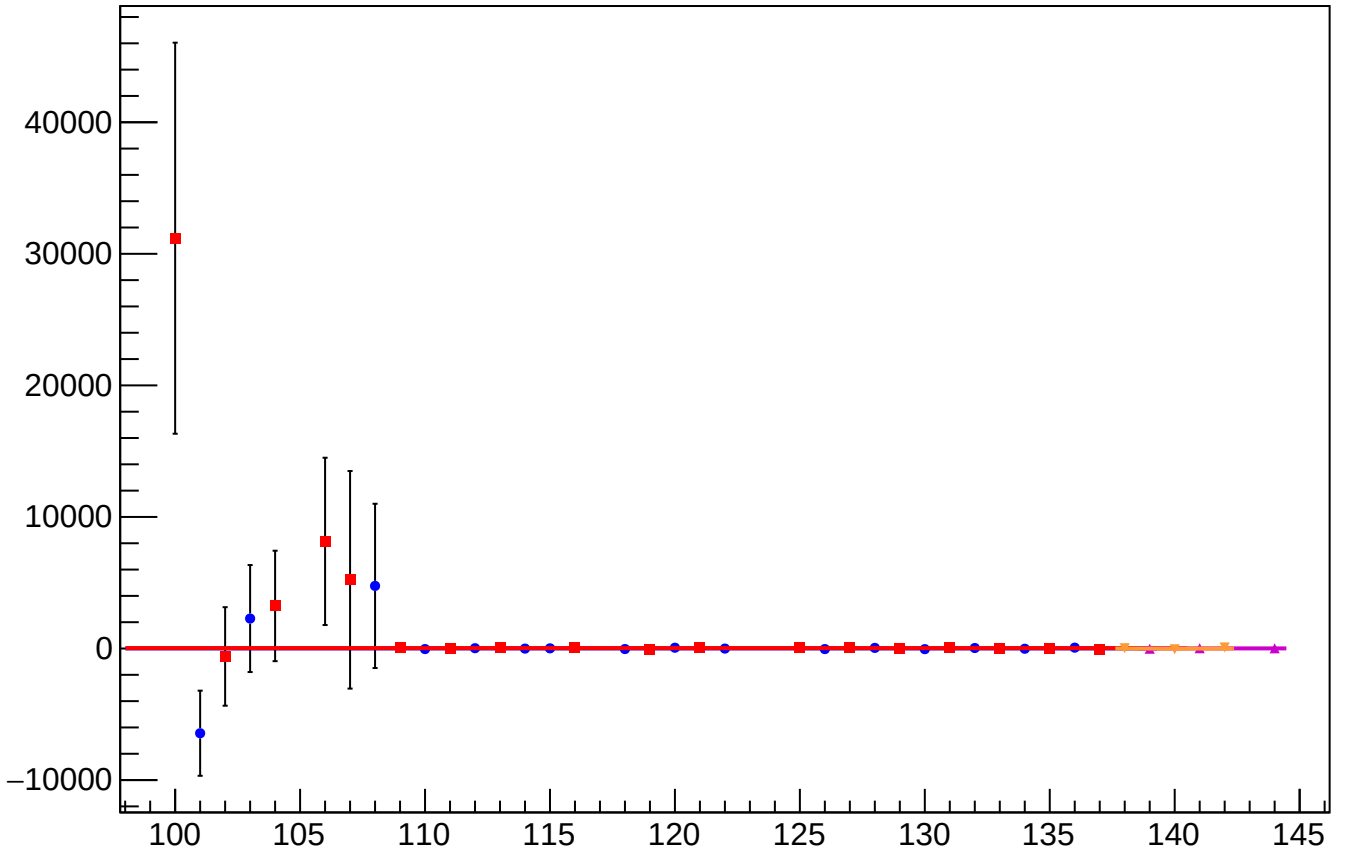
Left: 221.124+/-0.073 χ^2/NDF: 80513.5/5

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 199.556+/-0.051 χ^2/NDF:3983070.6/18

Out: 180.435+/-0.049 χ^2/NDF:4419071.1/20

All: 189.669+/-0.035 χ^2/NDF: 8474607.3/39



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -2.113+/-20.013 χ^2/NDF:7.0/2

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 8.790+/-17.772 χ^2/NDF:1.0/2

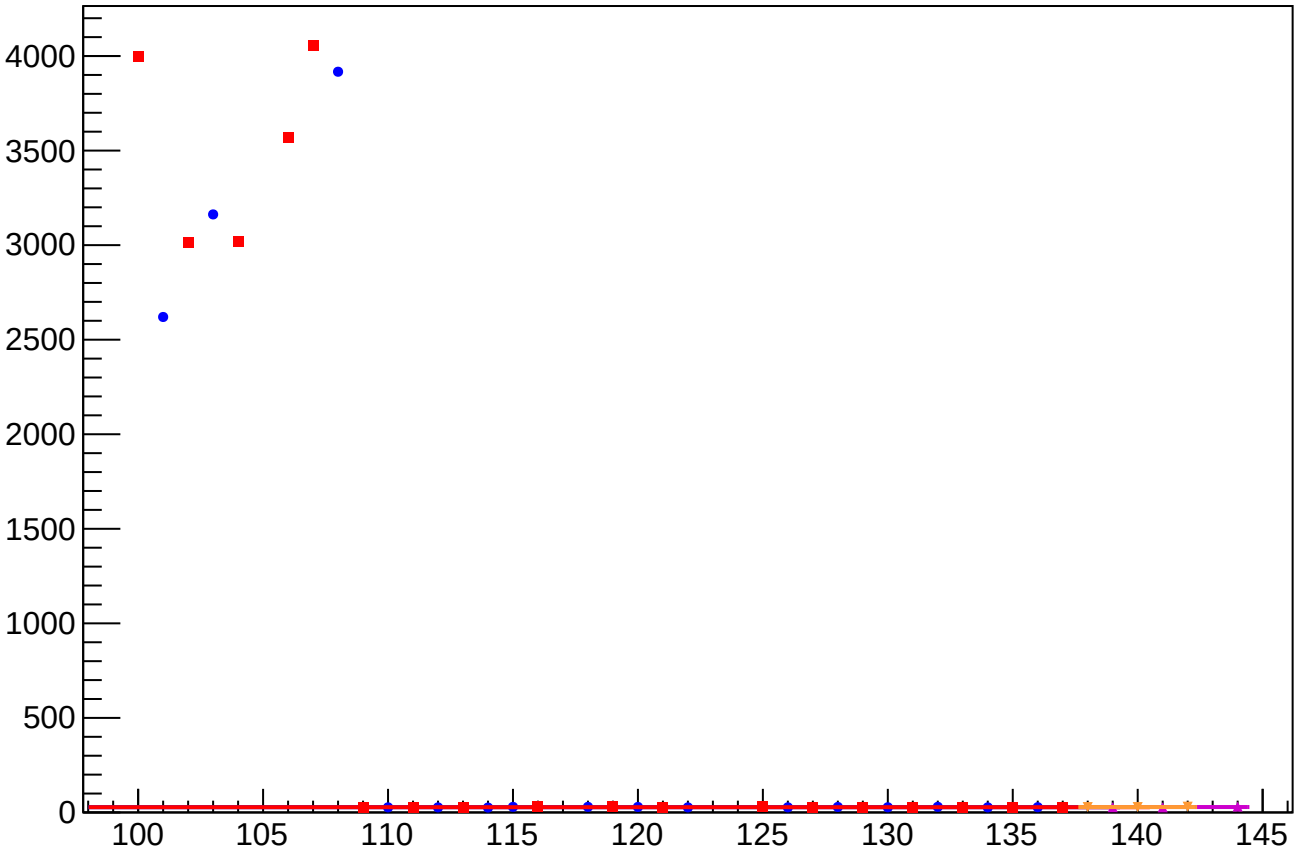
Left: 3.983+/-13.288 χ^2/NDF: 8.1/5

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.191+/-9.810 χ^2/NDF:19.3/18

Out: 21.962+/-10.345 χ^2/NDF:28.8/20

All: 14.185+/-7.118 χ^2/NDF: 49.2/39



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.616+/-0.014 χ^2/NDF:3175.1/2

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.713+/-0.013 χ^2/NDF:18121.8/2

Left: 28.670+/-0.009 χ^2/NDF: 21323.3/5

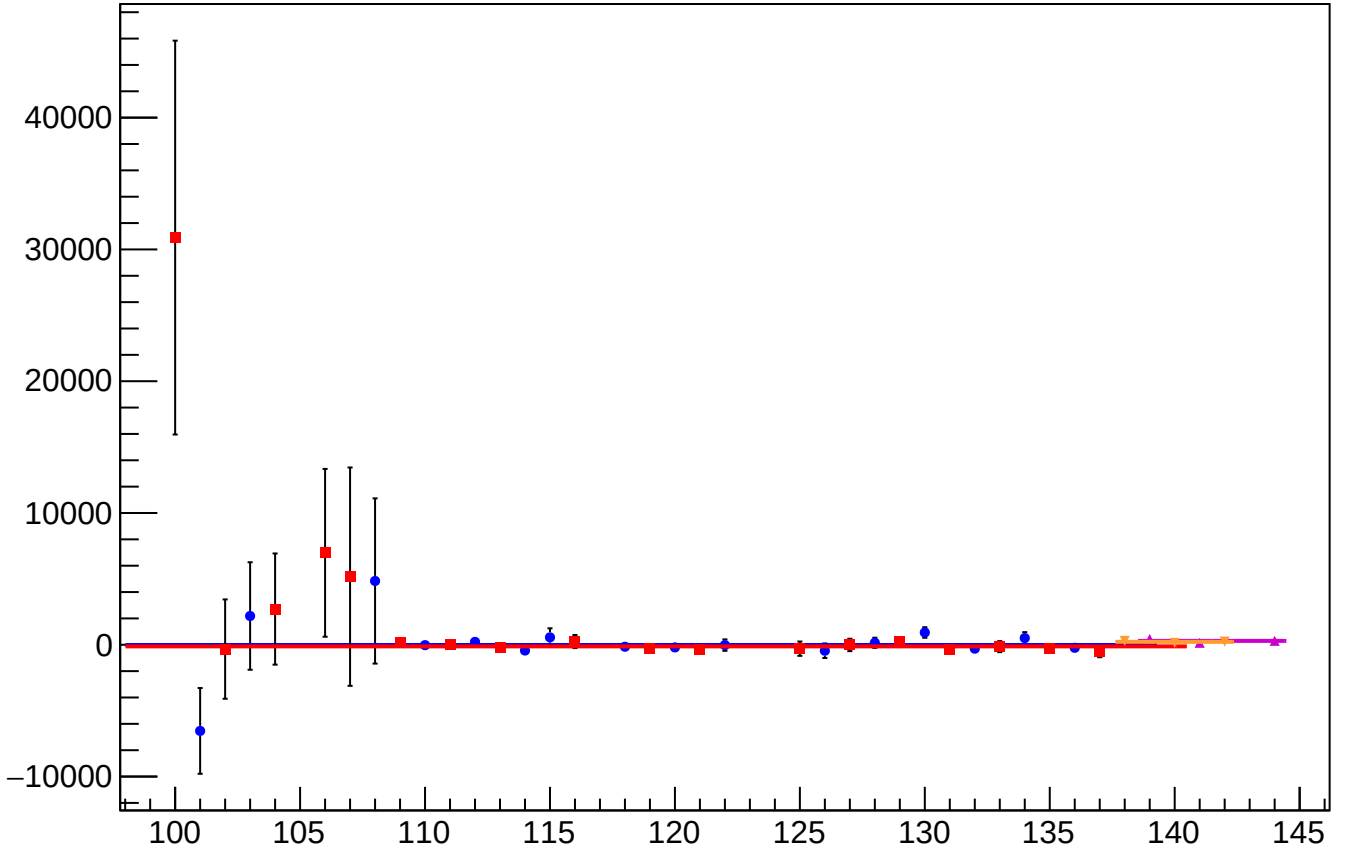
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.096+/-0.007 χ^2/NDF:3287492.1/18

Out: 28.002+/-0.007 χ^2/NDF:3564142.2/20

All: 28.051+/-0.005 χ^2/NDF: 6851720.2/39

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 223.408+/-155.322 χ^2/NDF:0.2/2

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 295.512+/-140.214 χ^2/NDF:0.9/2

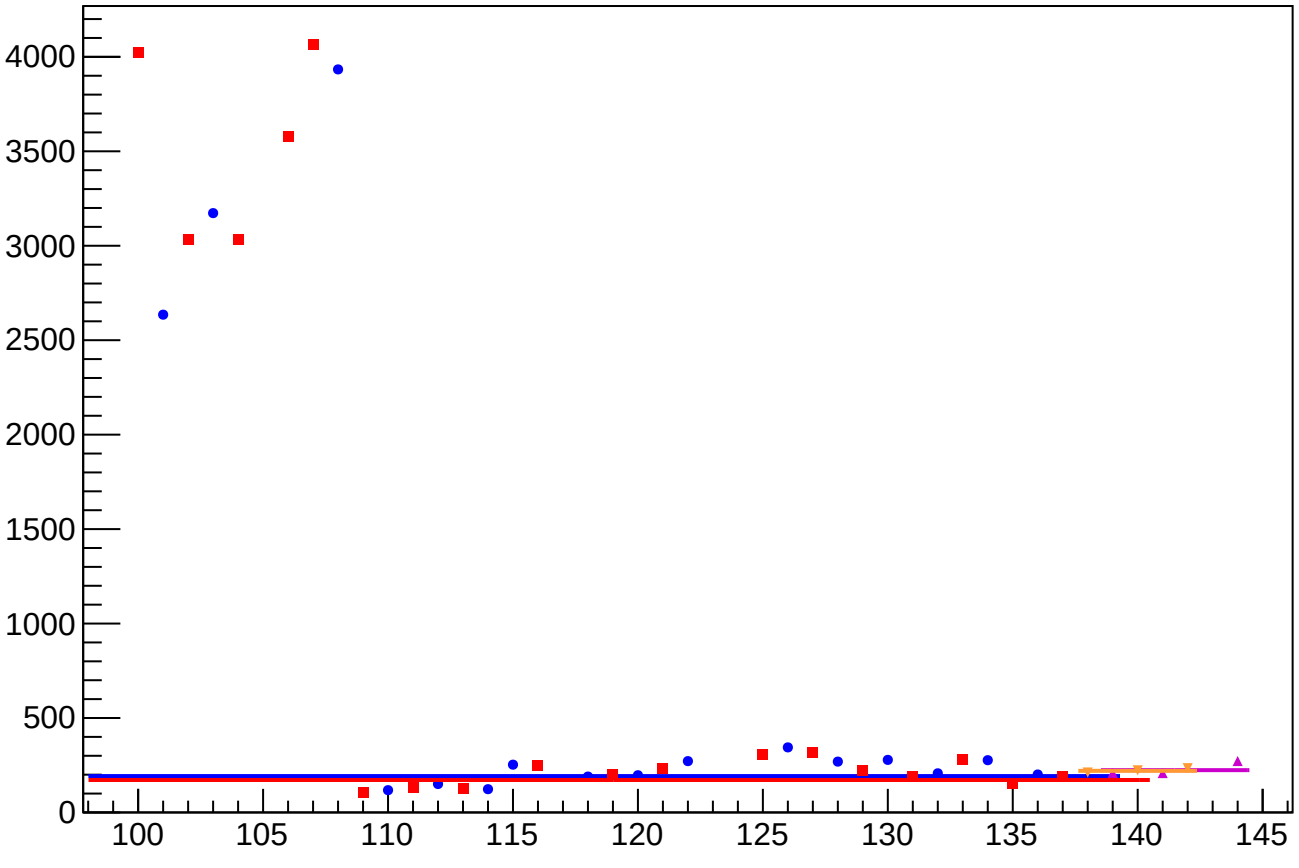
Left: 263.137+/-104.079 χ^2/NDF: 1.2/5

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 65.231+/-72.726 χ^2/NDF:22.7/18

Out: -50.870+/-70.305 χ^2/NDF:17.4/20

All: 5.216+/-50.547 χ^2/NDF: 41.4/39



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 220.339+/-0.110 χ^2/NDF:6082.2/2

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 223.955+/-0.099 χ^2/NDF:73418.4/2

Left: 222.332+/-0.074 χ^2/NDF: 80097.8/5

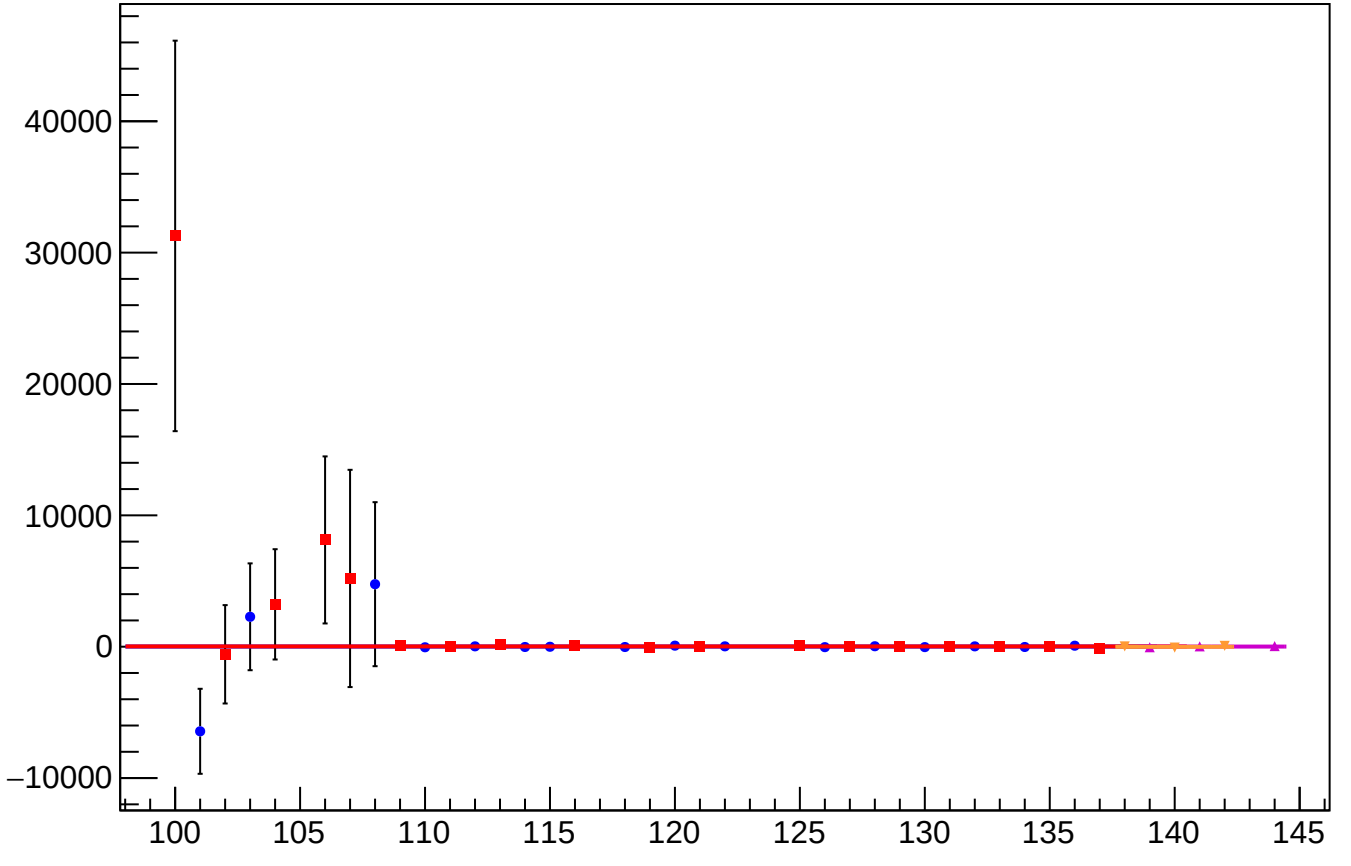
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 201.006+/-0.051 χ^2/NDF:3969502.6/18

Out: 181.823+/-0.050 χ^2/NDF:4408556.7/20

All: 191.090+/-0.036 χ^2/NDF: 8449989.3/39

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -6.849+/-21.840 χ^2/NDF:5.9/2

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 10.439+/-19.441 χ^2/NDF:3.6/2

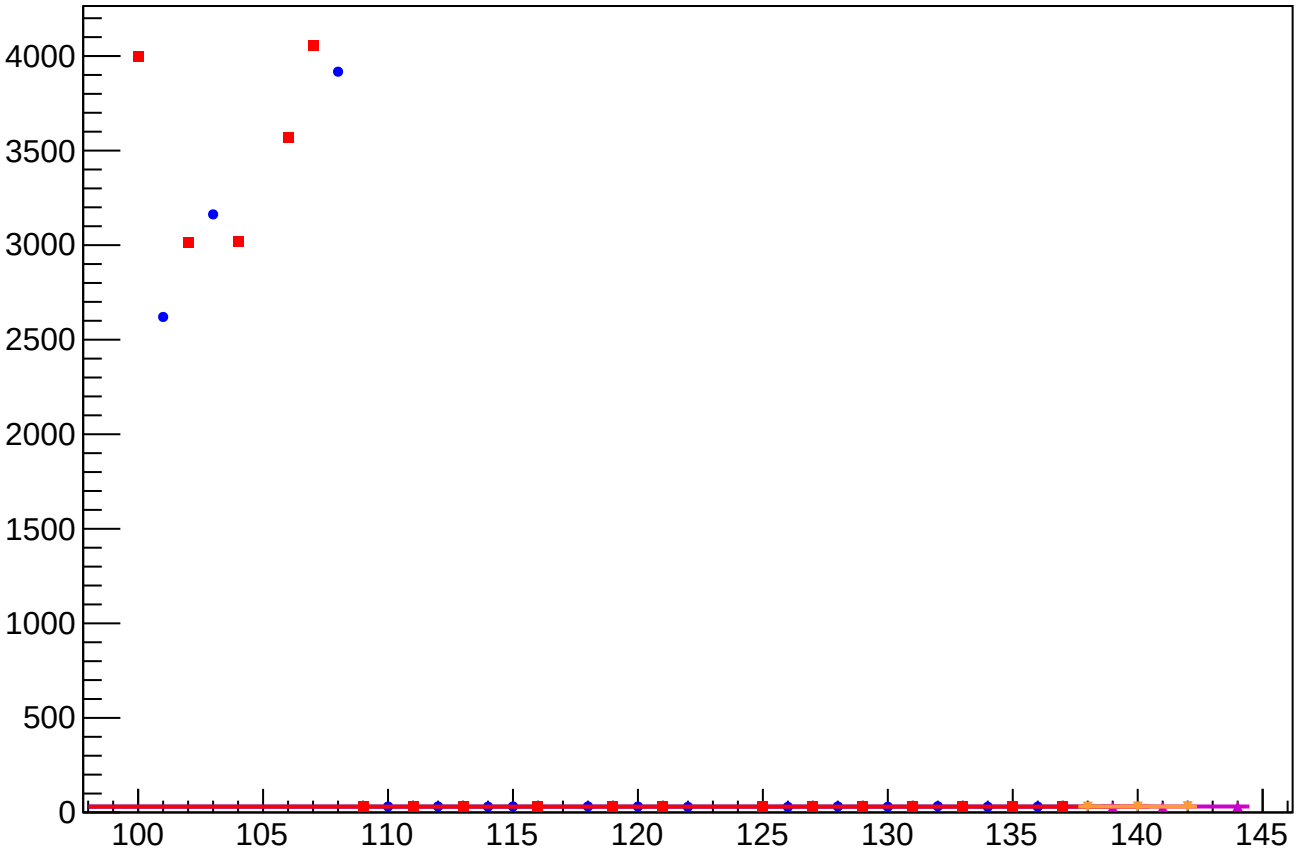
Left: 2.796+/-14.521 χ^2/NDF: 9.8/5

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 12.695+/-10.842 χ^2/NDF:19.1/18

Out: 14.057+/-11.411 χ^2/NDF:35.5/20

All: 13.341+/-7.860 χ^2/NDF: 54.6/39



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.252+/-0.015 χ^2/NDF:2956.8/2

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.442+/-0.014 χ^2/NDF:14658.5/2

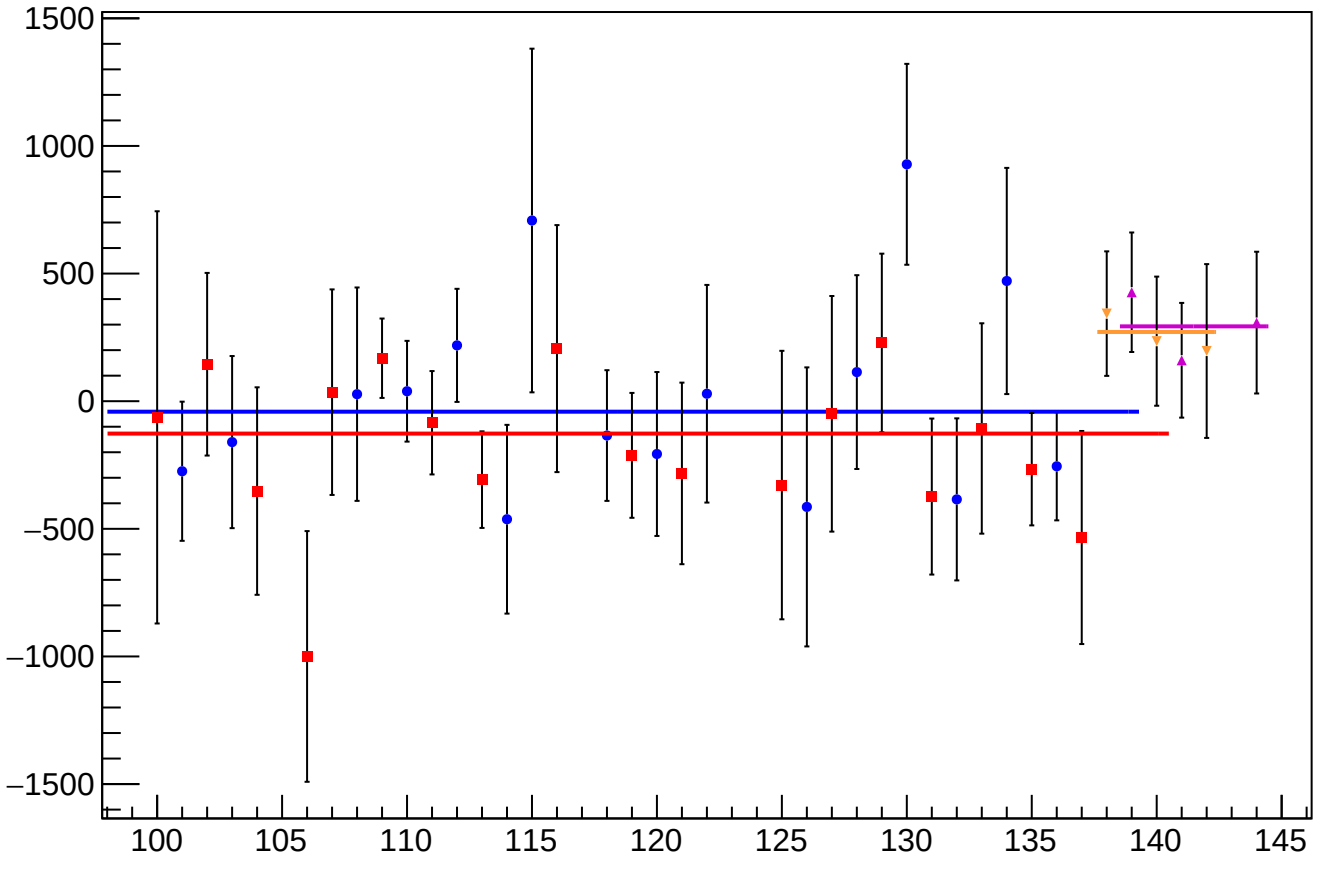
Left: 31.358+/-0.010 χ^2/NDF: 17700.0/5

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.088+/-0.008 χ^2/NDF:3268229.4/18

Out: 30.926+/-0.008 χ^2/NDF:3539528.2/20

All: 31.011+/-0.006 χ^2/NDF: 6807969.1/39



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 271.239+/-156.049 χ^2/NDF:0.2/2

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 293.159+/-140.000 χ^2/NDF:0.7/2

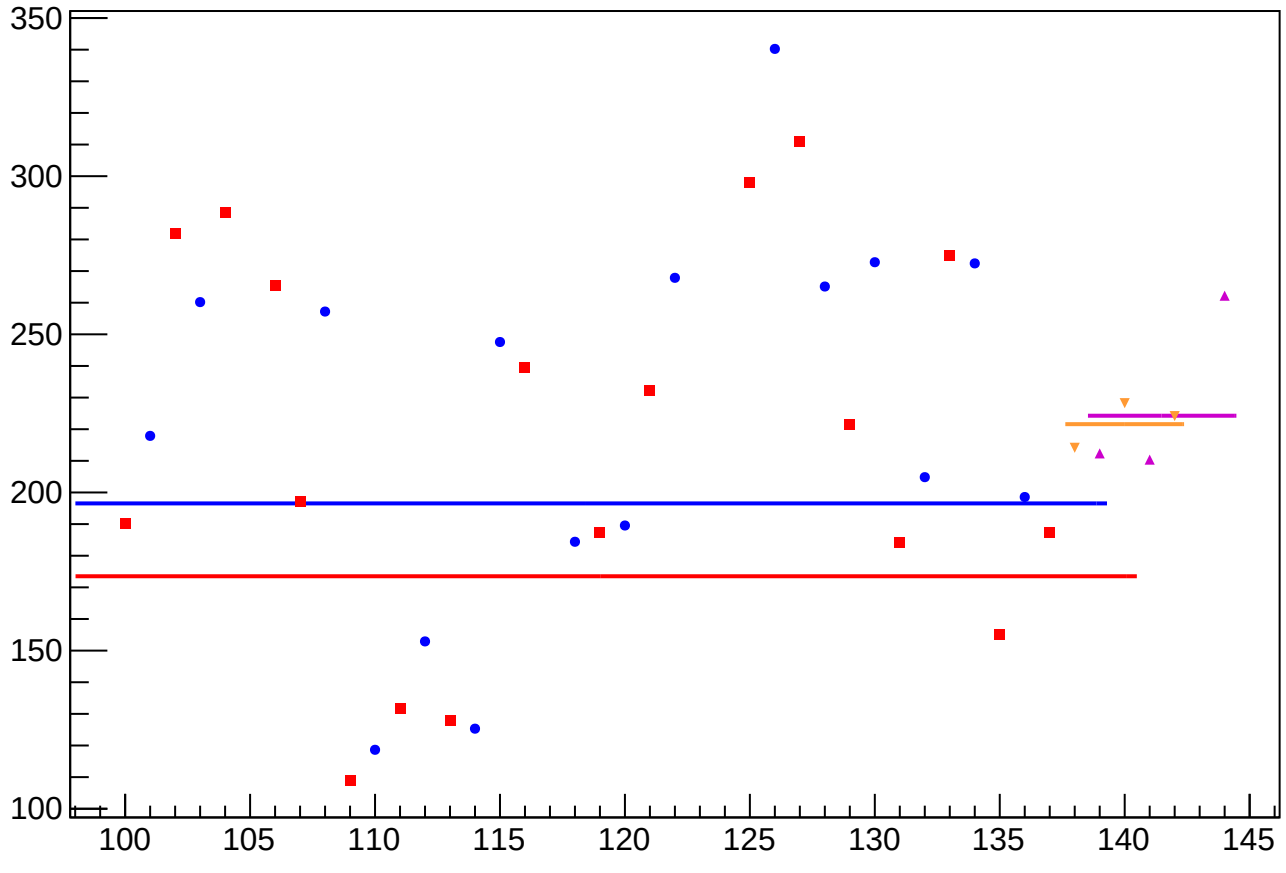
Left: 283.384+/-104.209 χ^2/NDF: 0.8/5

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 36.734+/-67.562 χ^2/NDF:20.7/18

Out: -61.181+/-63.398 χ^2/NDF:18.4/20

All: -15.333+/-46.231 χ^2/NDF: 40.1/39



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.598+/-0.110 χ^2/NDF:3362.1/2

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 224.265+/-0.099 χ^2/NDF:50157.8/2

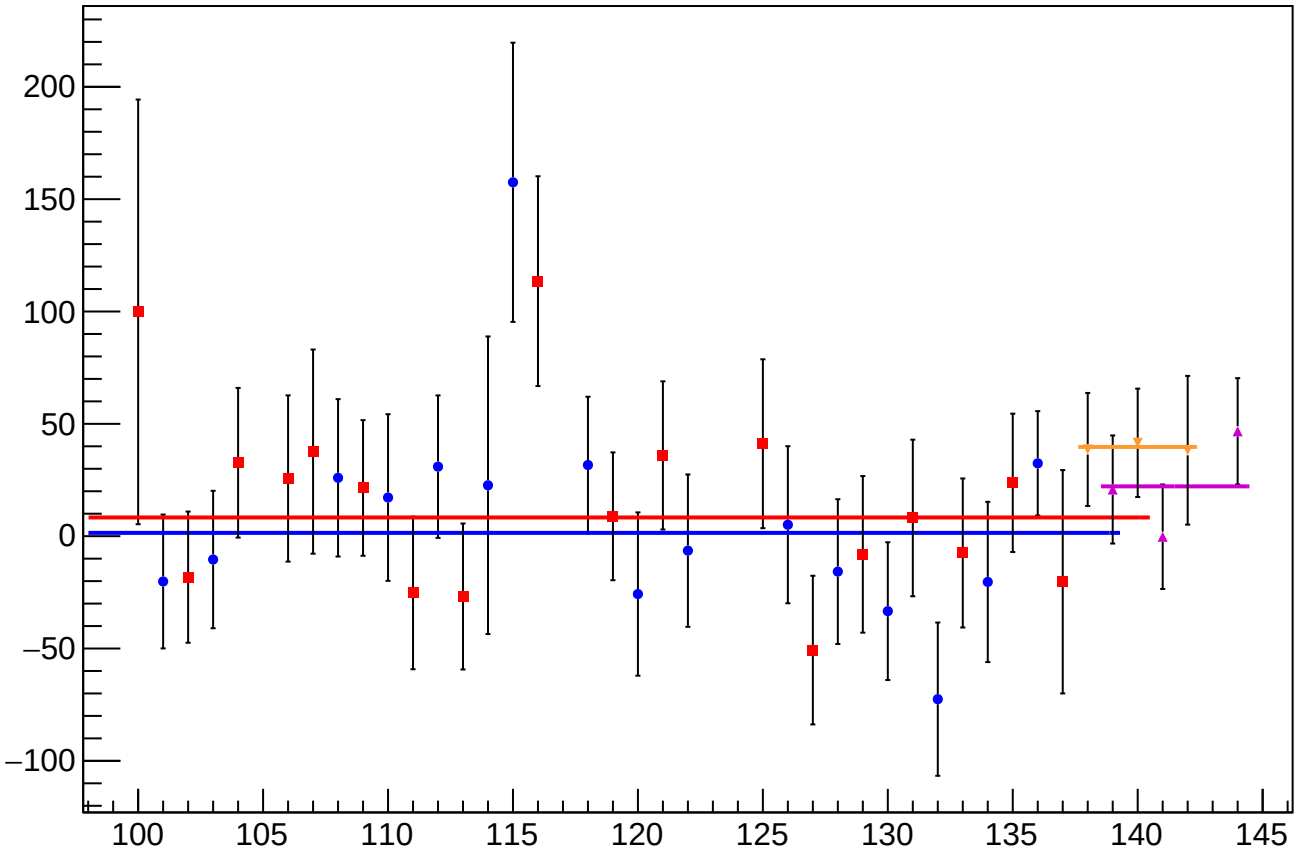
Left: 223.076+/-0.074 χ^2/NDF: 53843.5/5

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 202.998+/-0.048 χ^2/NDF:1111086.9/18

Out: 181.447+/-0.045 χ^2/NDF:1694665.3/20

All: 191.538+/-0.033 χ^2/NDF: 2913972.1/39



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 39.724+/-15.410 χ^2/NDF:0.0/2

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 22.169+/-13.653 χ^2/NDF:2.0/2

Left: 29.889+/-10.219 χ^2/NDF: 2.7/5

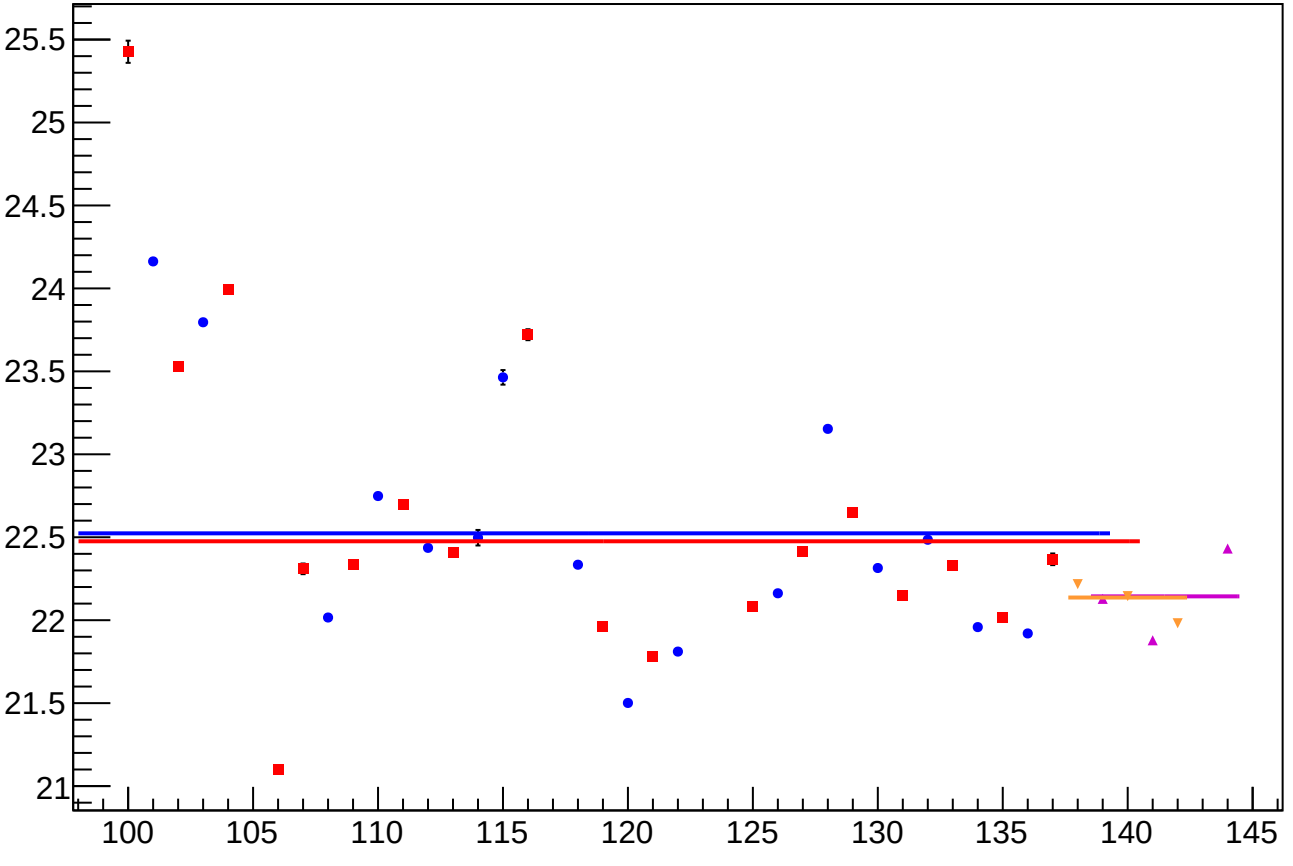
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 7.128+/-7.136 χ^2/NDF:22.3/18

Out: 15.370+/-7.298 χ^2/NDF:19.3/20

All: 11.157+/-5.102 χ^2/NDF: 42.3/39

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: 22.137+/-0.011 χ^2/NDF:64.7/2

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.144+/-0.010 χ^2/NDF:557.0/2

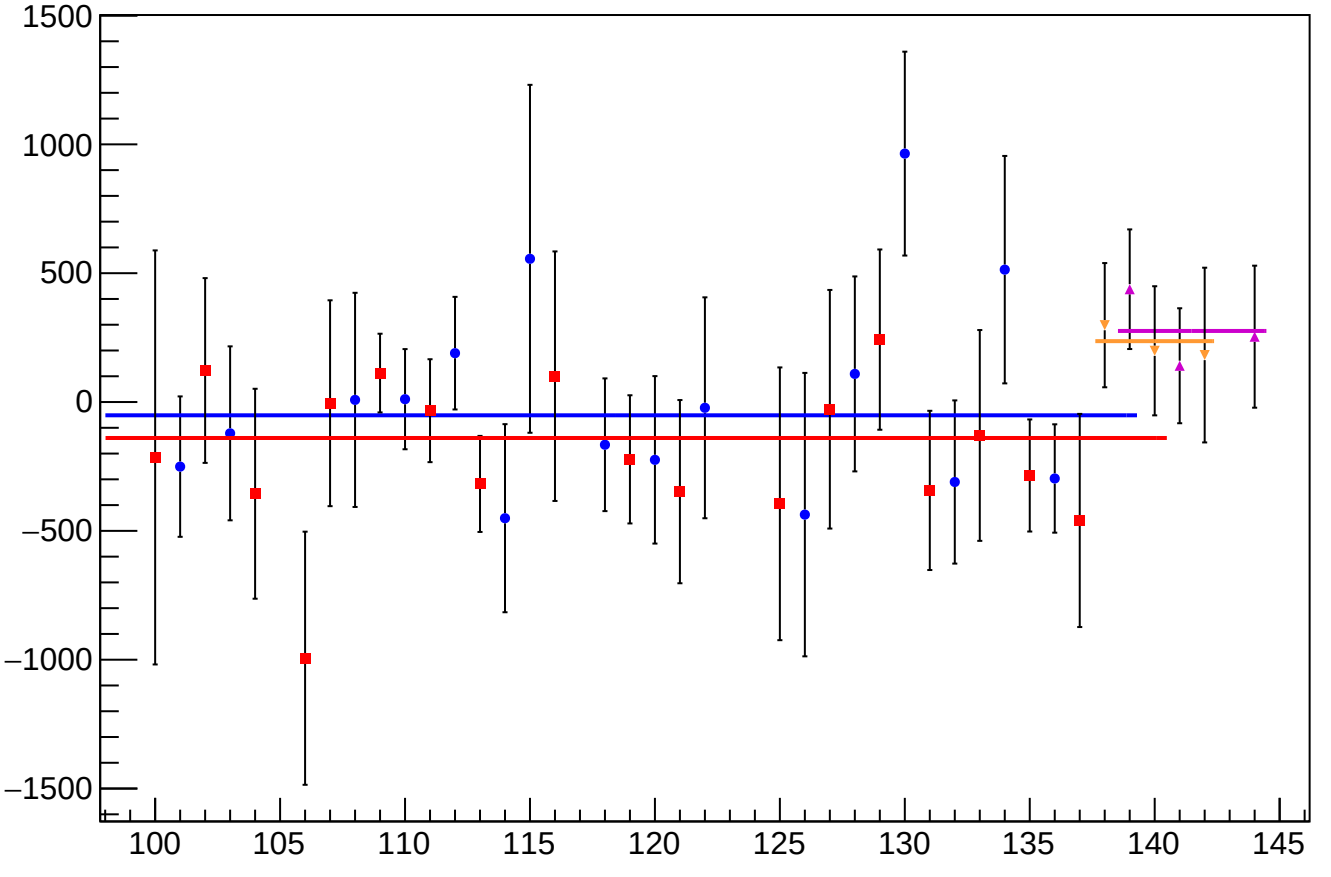
Left: 22.141+/-0.007 χ^2/NDF: 622.0/5

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.420+/-0.005 χ^2/NDF:17630.1/18

Out: 22.400+/-0.005 χ^2/NDF:16352.3/20

All: 22.410+/-0.004 χ^2/NDF: 33990.2/39



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.294+/-154.596 χ^2/NDF:0.1/2

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 275.836+/-138.926 χ^2/NDF:0.9/2

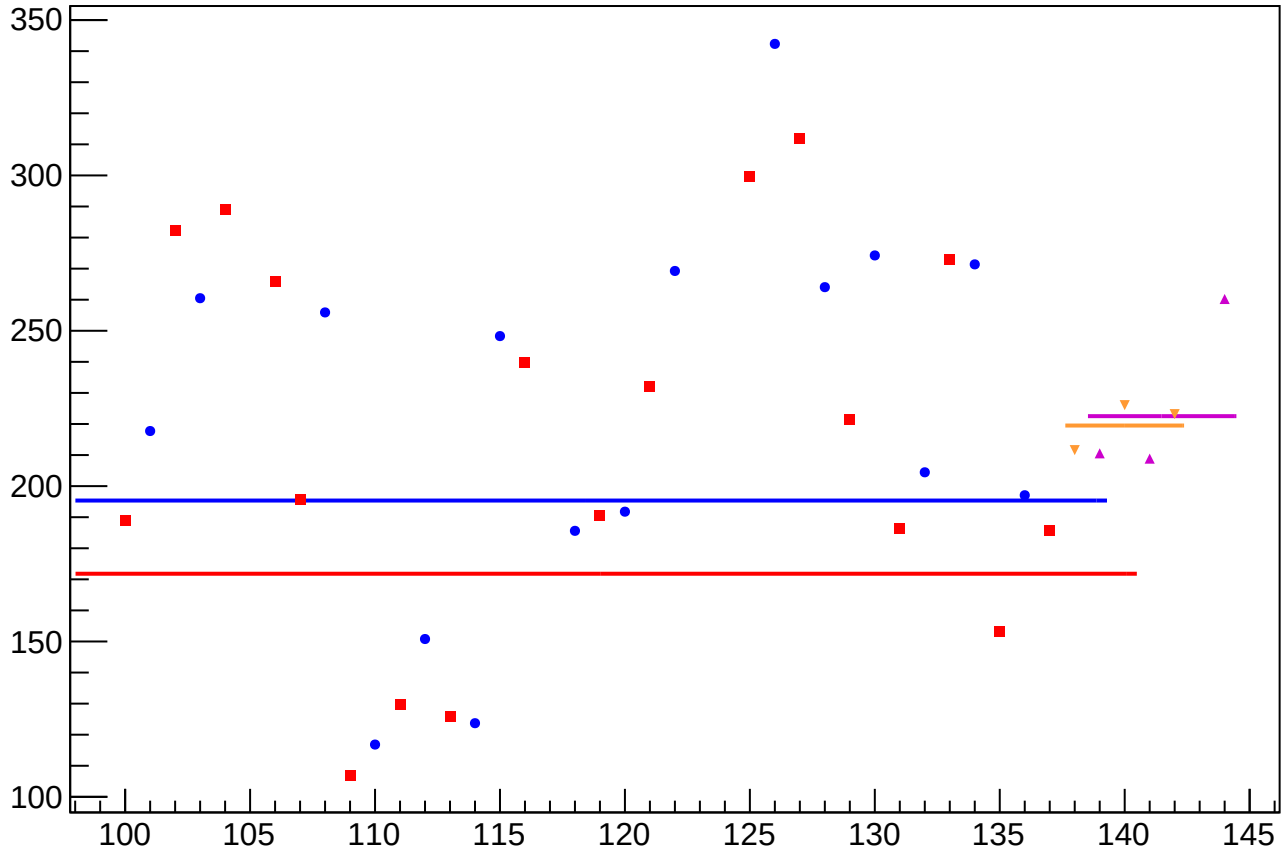
Left: 258.170+/-103.333 χ^2/NDF: 1.0/5

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 25.122+/-67.212 χ^2/NDF:20.5/18

Out: -77.282+/-62.924 χ^2/NDF:16.6/20

All: -29.451+/-45.935 χ^2/NDF: 38.3/39



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.502+/-0.109 χ^2/NDF:3762.5/2

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 222.522+/-0.098 χ^2/NDF:50265.8/2

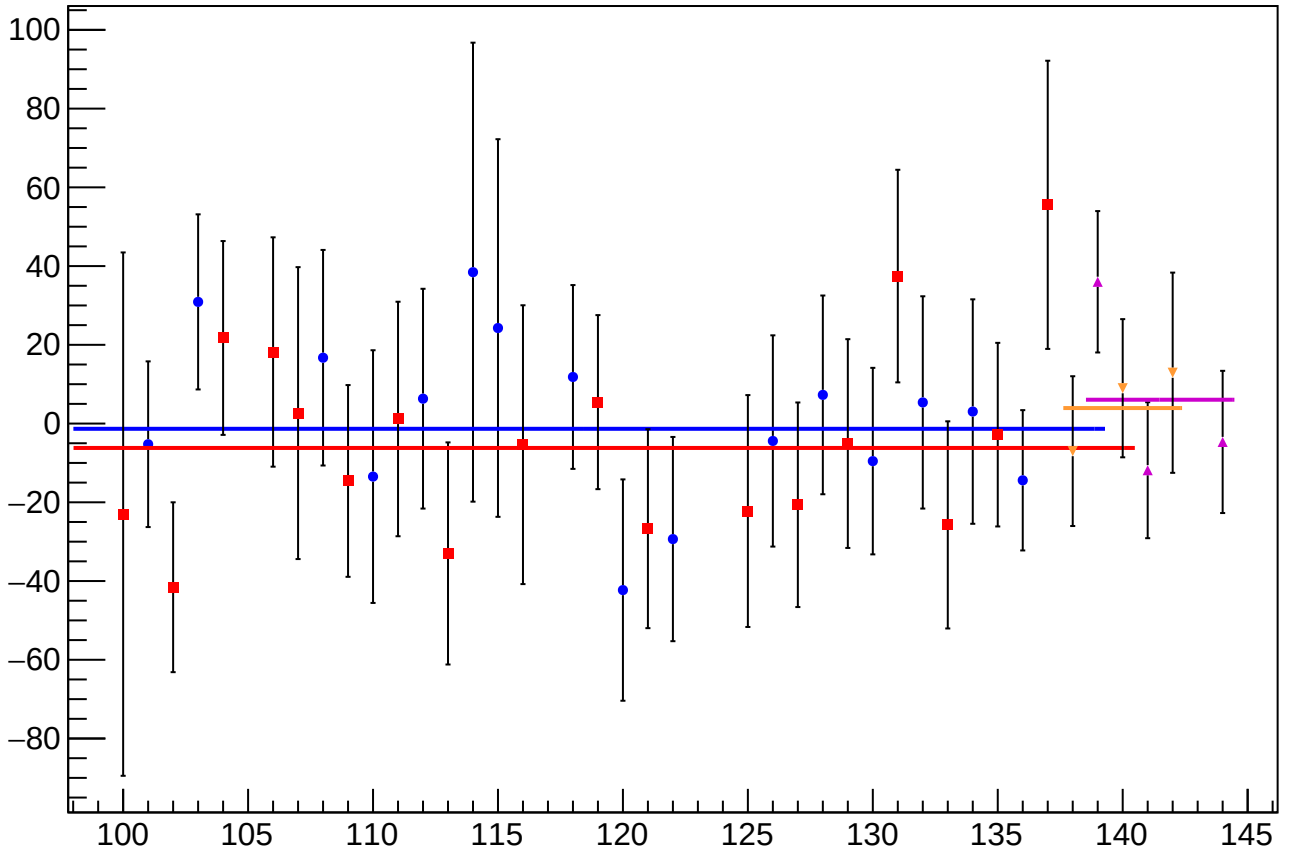
Left: 221.173+/-0.073 χ^2/NDF: 54450.4/5

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 201.718+/-0.048 χ^2/NDF:1150249.9/18

Out: 179.707+/-0.044 χ^2/NDF:1763265.8/20

All: 189.988+/-0.032 χ^2/NDF: 3027827.1/39



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.939+/-11.504 χ^2/NDF:0.5/2

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 6.055+/-10.249 χ^2/NDF:4.2/2

Left: 5.118+/-7.653 χ^2/NDF: 4.8/5

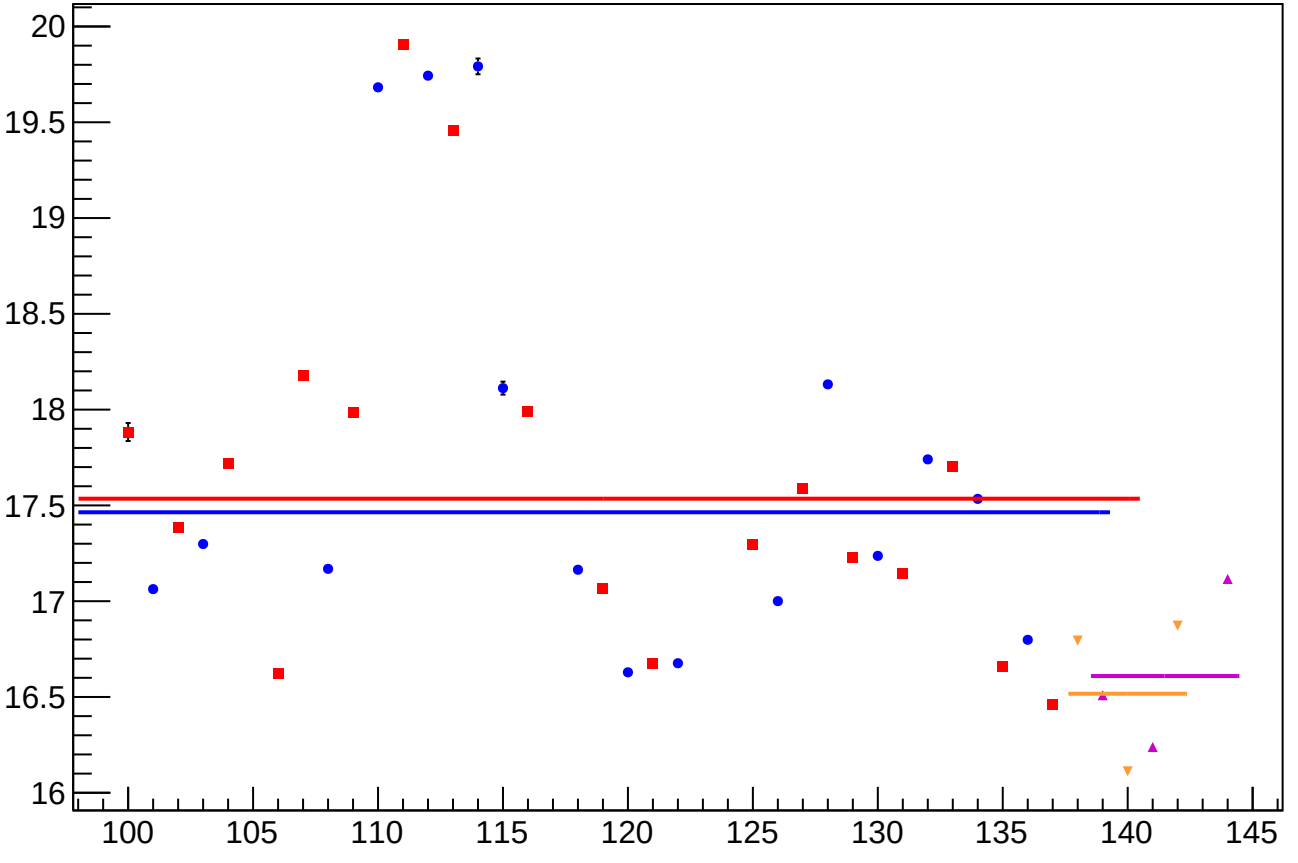
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 0.787+/-5.488 χ^2/NDF:12.6/18

Out: -3.758+/-5.641 χ^2/NDF:14.6/20

All: -1.423+/-3.934 χ^2/NDF: 27.5/39

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: 16.517+/-0.008 χ^2/NDF:1883.9/2

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.609+/-0.007 χ^2/NDF:2557.2/2

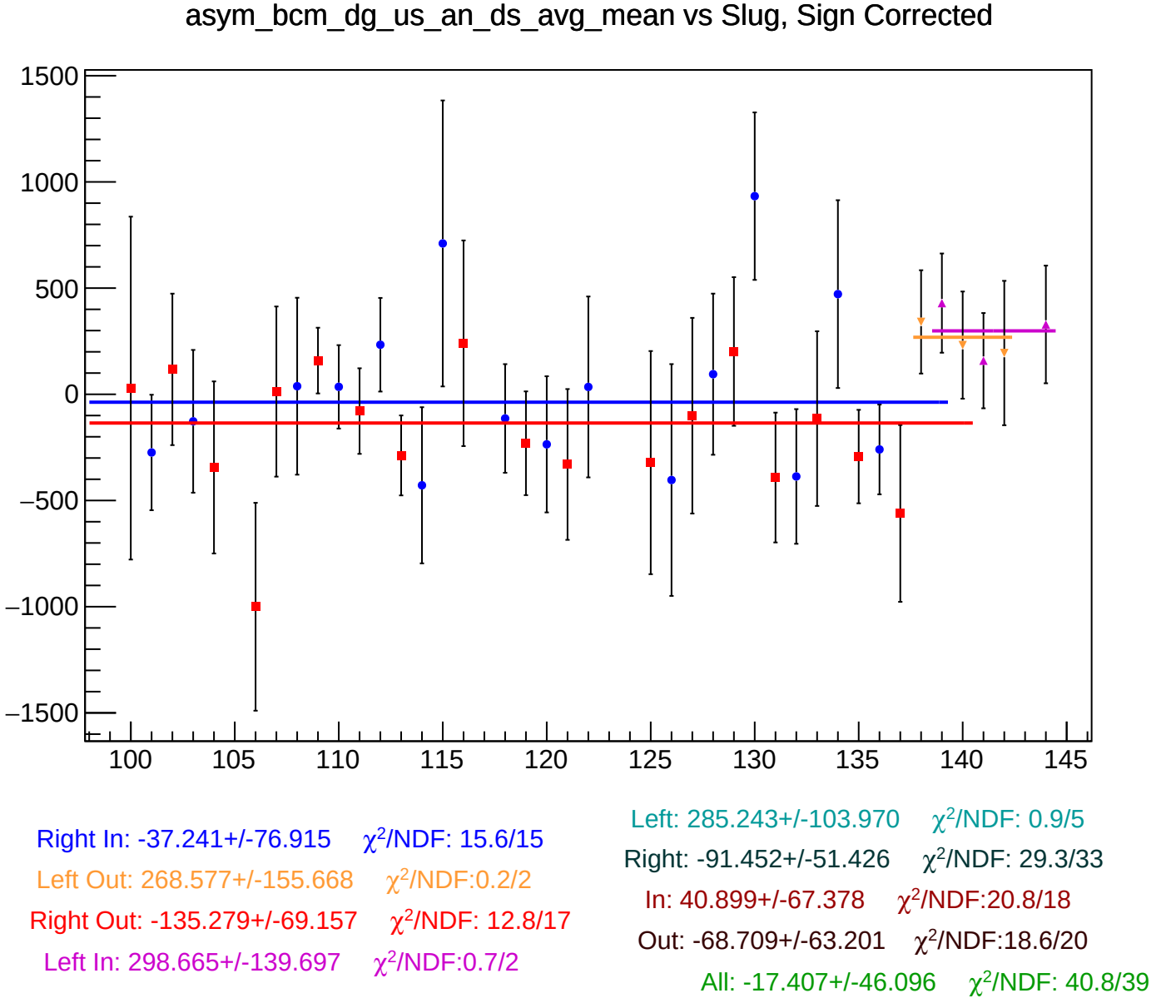
Left: 16.568+/-0.005 χ^2/NDF: 4513.1/5

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.219+/-0.004 χ^2/NDF:49130.8/18

Out: 17.290+/-0.004 χ^2/NDF:48257.3/20

All: 17.254+/-0.003 χ^2/NDF: 97551.6/39


asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected
1500
1000
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−500
−1000
−1500
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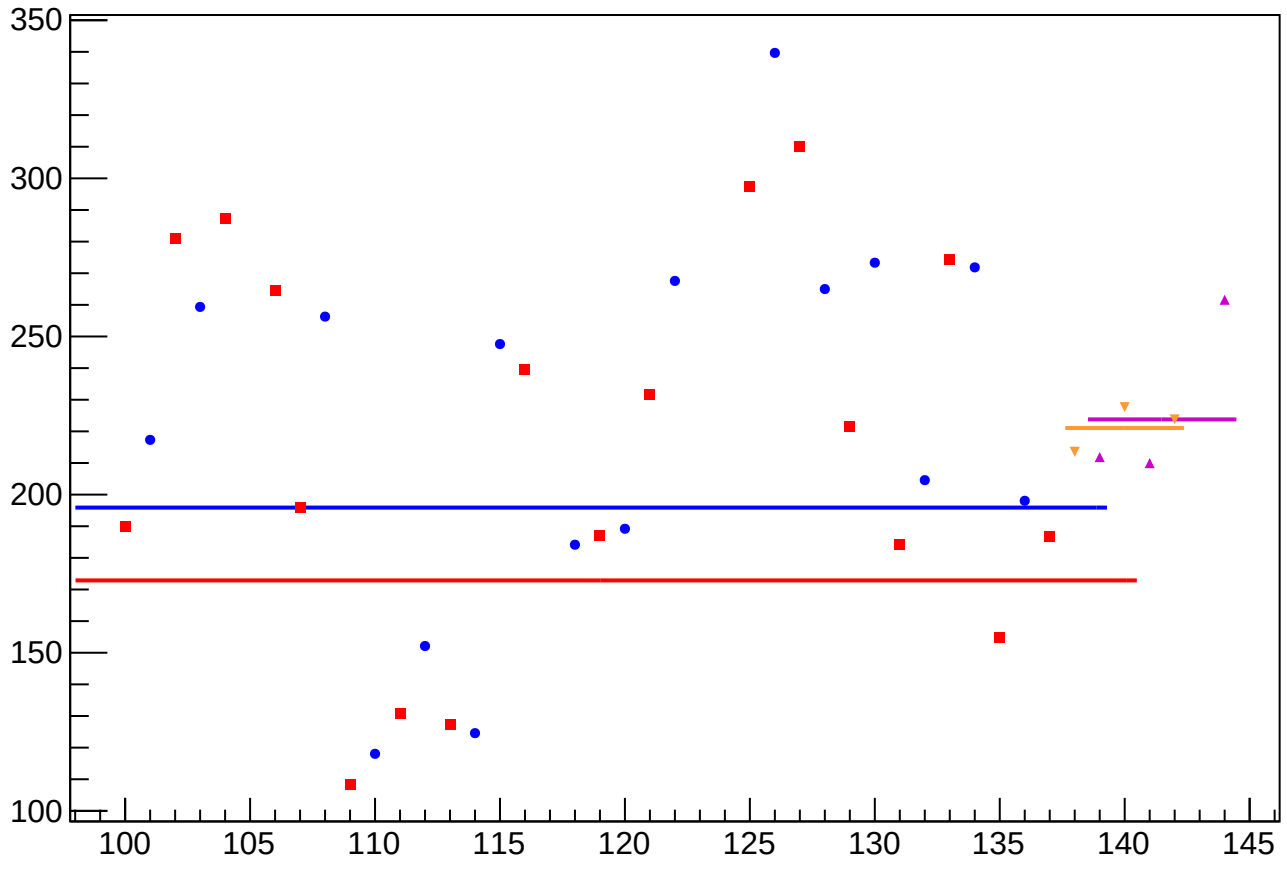
110
115
120
125
130
135
140
145
Right In: -37.241+/-76.915 χ²/NDF: 15.6/15
Left Out: 268.577+/-155.668 χ²/NDF:0.2/2
Right Out: -135.279+/-69.157 χ²/NDF: 12.8/17
Left In: 298.665+/-139.697 χ²/NDF:0.7/2
Left: 285.243+/-103.970 χ²/NDF: 0.9/5
Right: -91.452+/-51.426 χ²/NDF: 29.3/33
In: 40.899+/-67.378 χ²/NDF:20.8/18
Out: -68.709+/-63.201 χ²/NDF:18.6/20
All: -17.407+/-46.096 χ²/NDF: 40.8/39



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.057+/-0.110 χ^2/NDF:3392.0/2

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 223.779+/-0.099 χ^2/NDF:50100.8/2

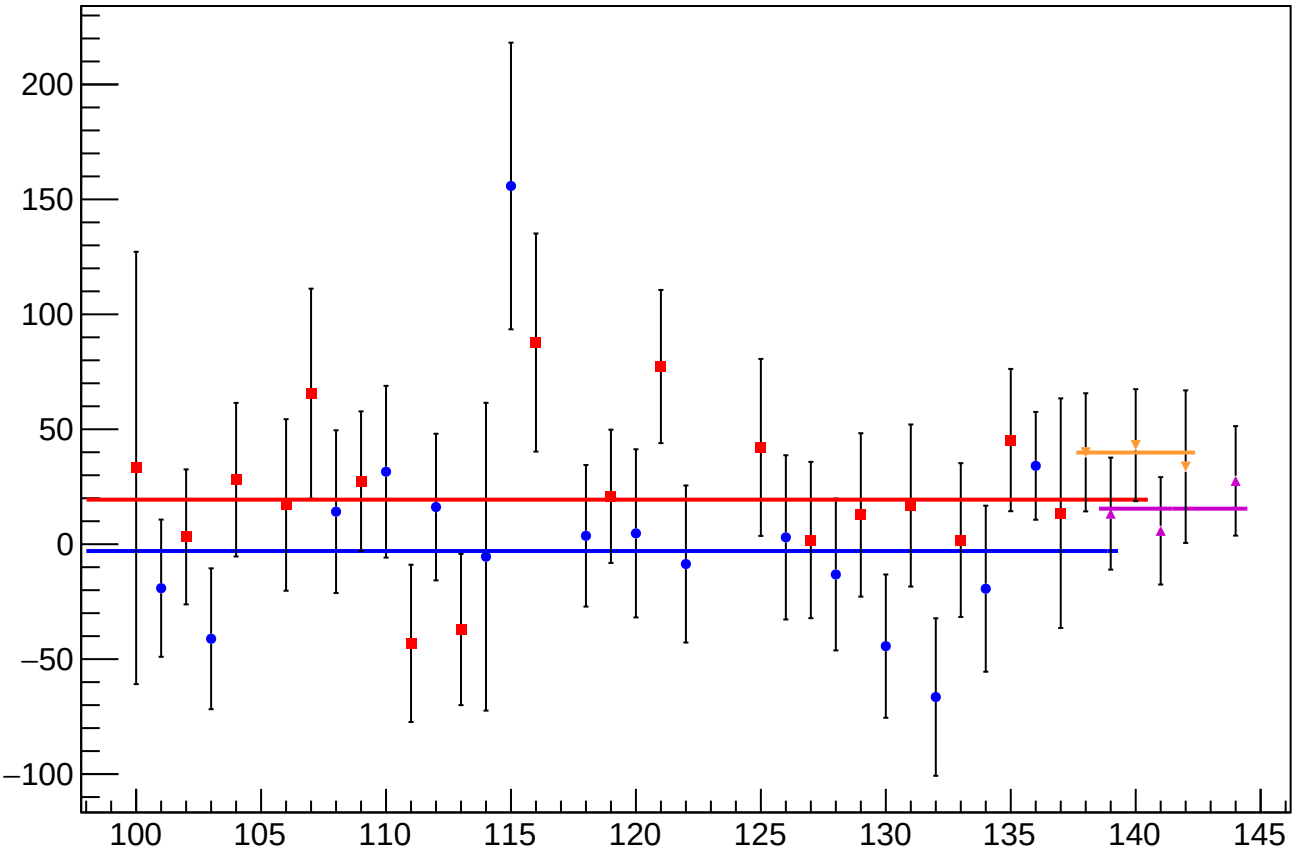
Left: 222.565+/-0.074 χ^2/NDF: 53831.3/5

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 202.385+/-0.048 χ^2/NDF:1122237.6/18

Out: 180.815+/-0.045 χ^2/NDF:1706686.1/20

All: 190.911+/-0.033 χ^2/NDF: 2937955.8/39



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 39.872+/-15.598 χ^2/NDF:0.1/2

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 15.464+/-13.764 χ^2/NDF:0.4/2

Left: 26.150+/-10.320 χ^2/NDF: 1.9/5

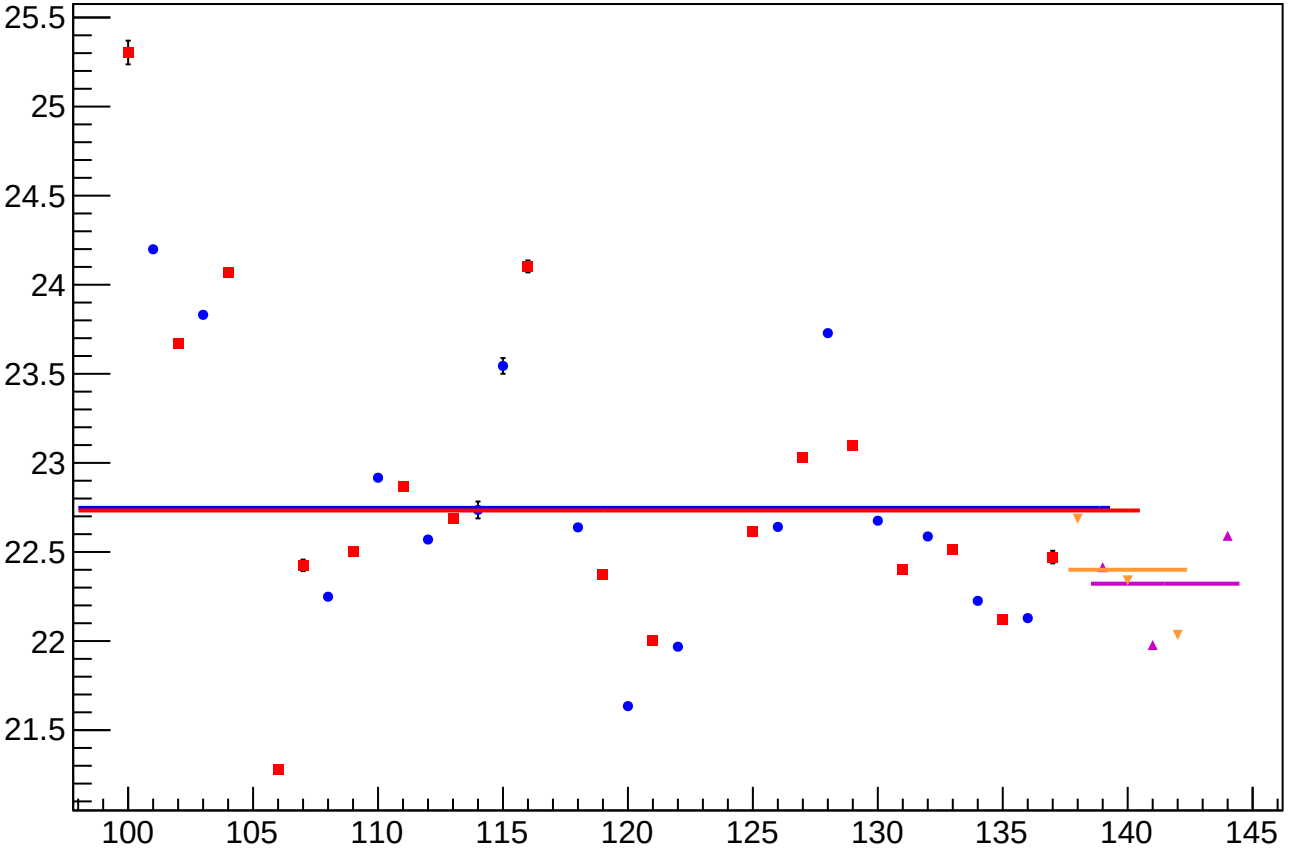
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 2.081+/-7.204 χ^2/NDF:19.7/18

Out: 23.977+/-7.383 χ^2/NDF:15.9/20

All: 12.760+/-5.156 χ^2/NDF: 40.1/39

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: 22.400+/-0.011 χ^2/NDF:503.6/2

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.322+/-0.010 χ^2/NDF:718.7/2

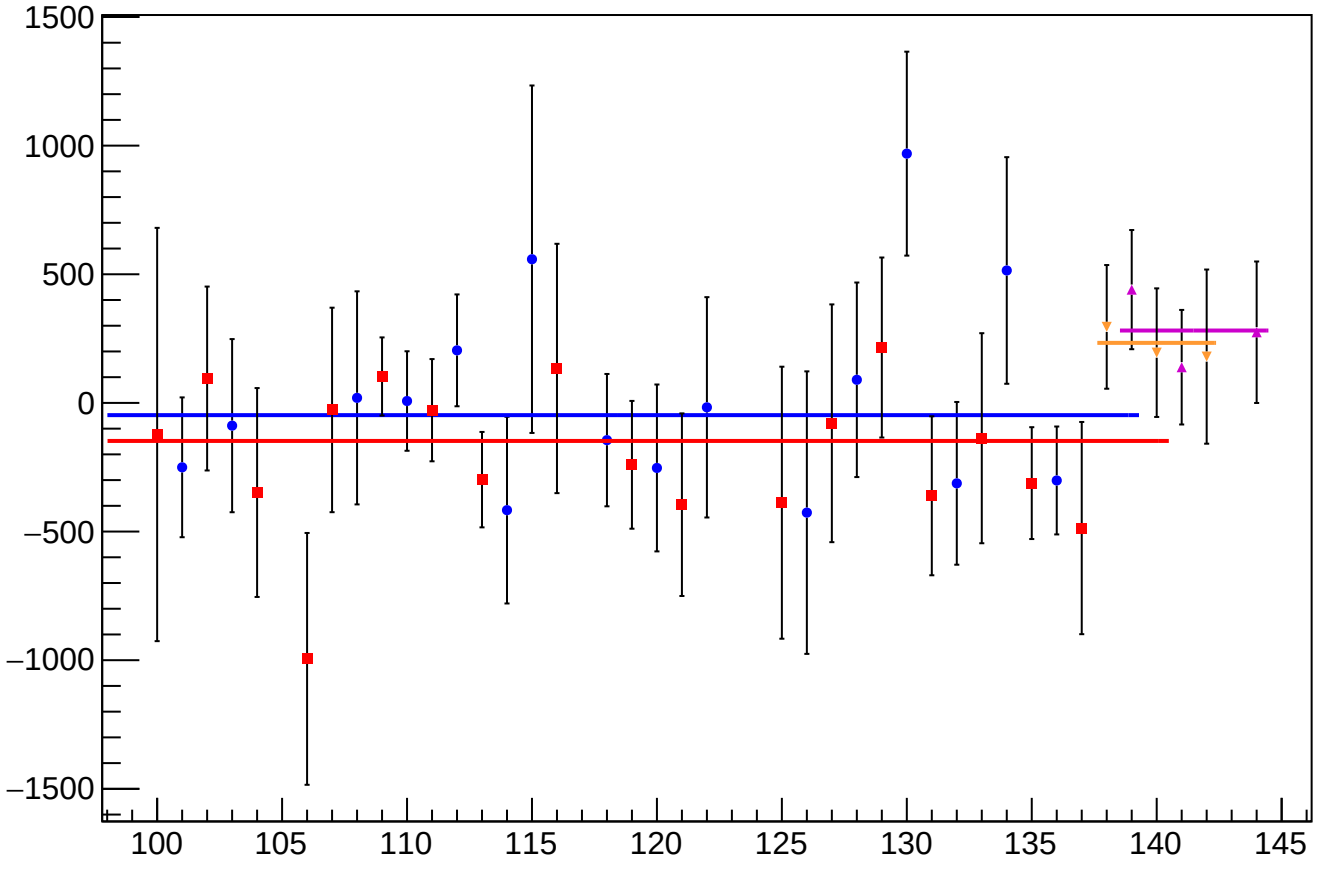
Left: 22.356+/-0.007 χ^2/NDF: 1250.6/5

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.631+/-0.005 χ^2/NDF:16729.0/18

Out: 22.658+/-0.005 χ^2/NDF:15599.4/20

All: 22.644+/-0.004 χ^2/NDF: 32342.5/39



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 233.366+/-154.215 χ^2/NDF:0.1/2

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 281.352+/-138.621 χ^2/NDF:0.9/2

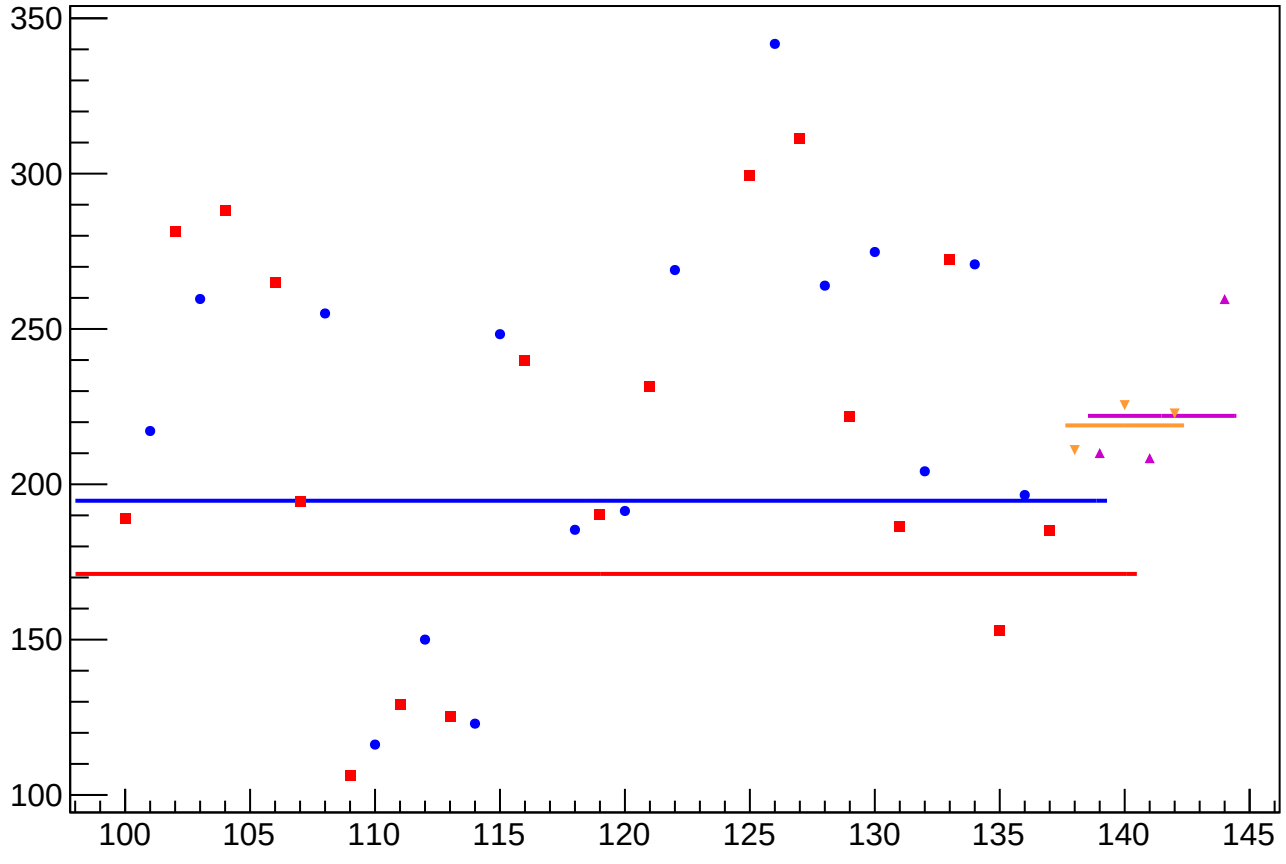
Left: 259.907+/-103.093 χ^2/NDF: 1.1/5

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 29.364+/-67.025 χ^2/NDF:20.6/18

Out: -84.754+/-62.724 χ^2/NDF:16.7/20

All: -31.474+/-45.798 χ^2/NDF: 38.9/39



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 218.960+/-0.109 χ^2/NDF:3804.8/2

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 222.032+/-0.098 χ^2/NDF:50213.6/2

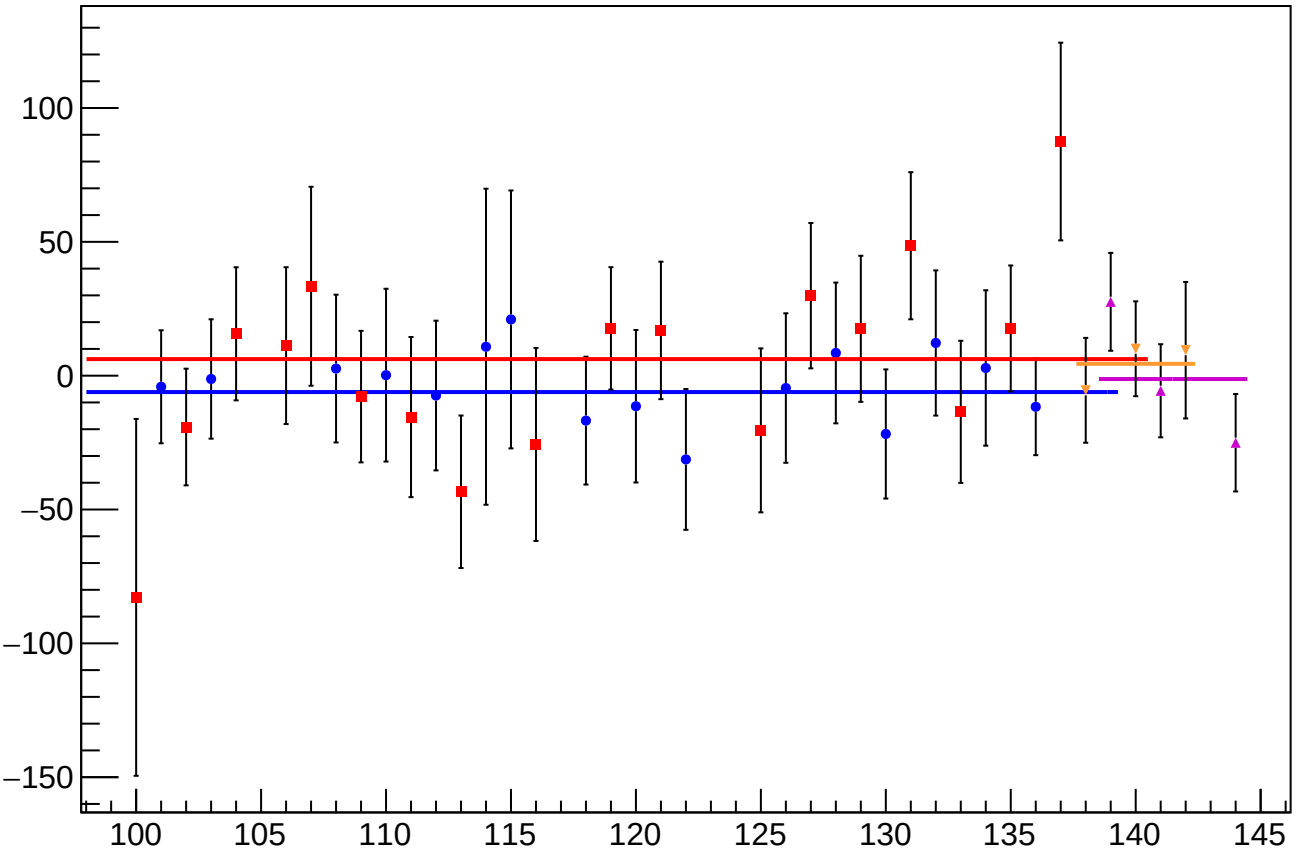
Left: 220.659+/-0.073 χ^2/NDF: 54457.4/5

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 201.096+/-0.047 χ^2/NDF:1162043.0/18

Out: 179.065+/-0.044 χ^2/NDF:1776126.0/20

All: 189.351+/-0.032 χ^2/NDF: 3053371.1/39



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.427+/-11.679 χ^2/NDF:0.4/2

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -1.252+/-10.363 χ^2/NDF:4.3/2

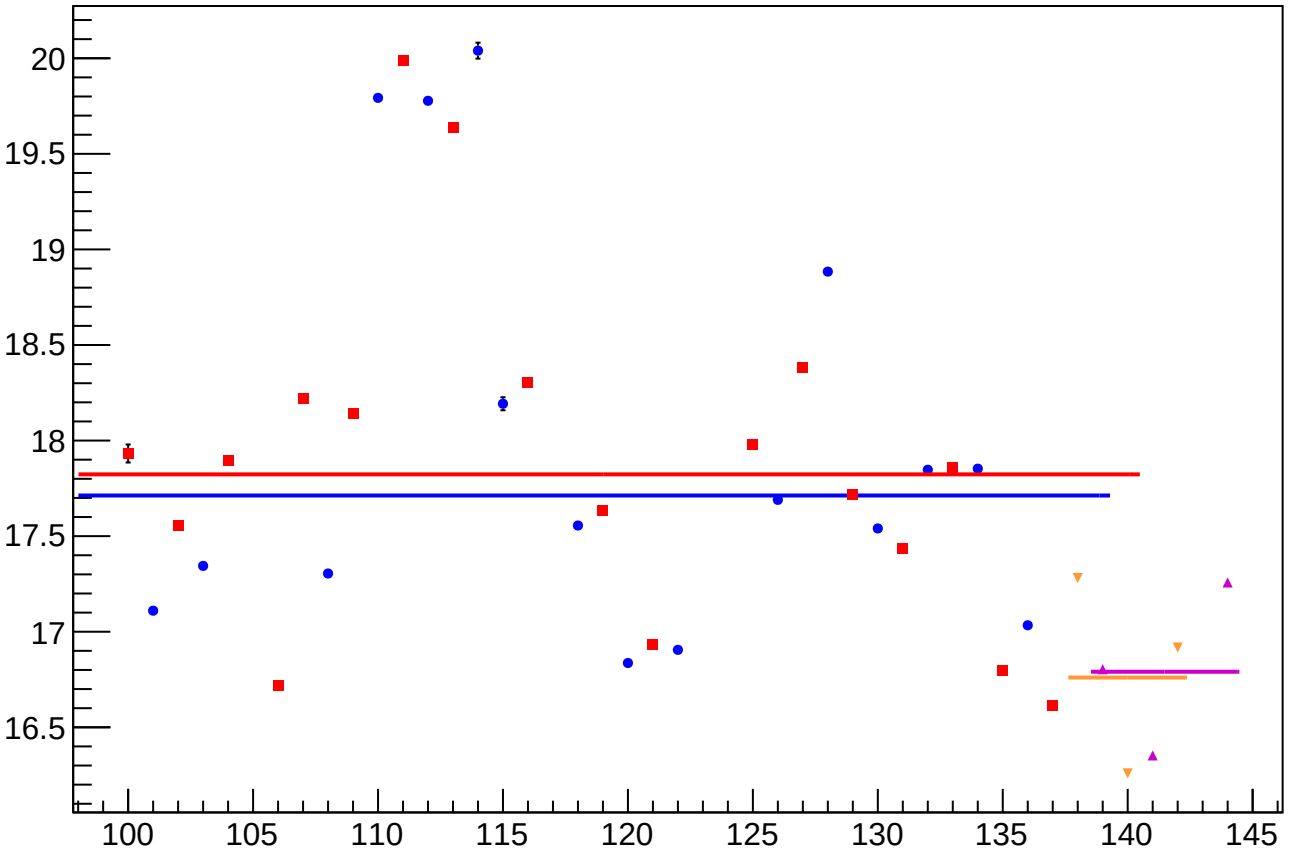
Left: 1.250+/-7.752 χ^2/NDF: 4.8/5

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -4.717+/-5.562 χ^2/NDF:7.5/18

Out: 5.769+/-5.733 χ^2/NDF:19.0/20

All: 0.367+/-3.992 χ^2/NDF: 28.3/39



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.760+/-0.008 χ^2/NDF:3090.6/2

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.791+/-0.007 χ^2/NDF:2584.0/2

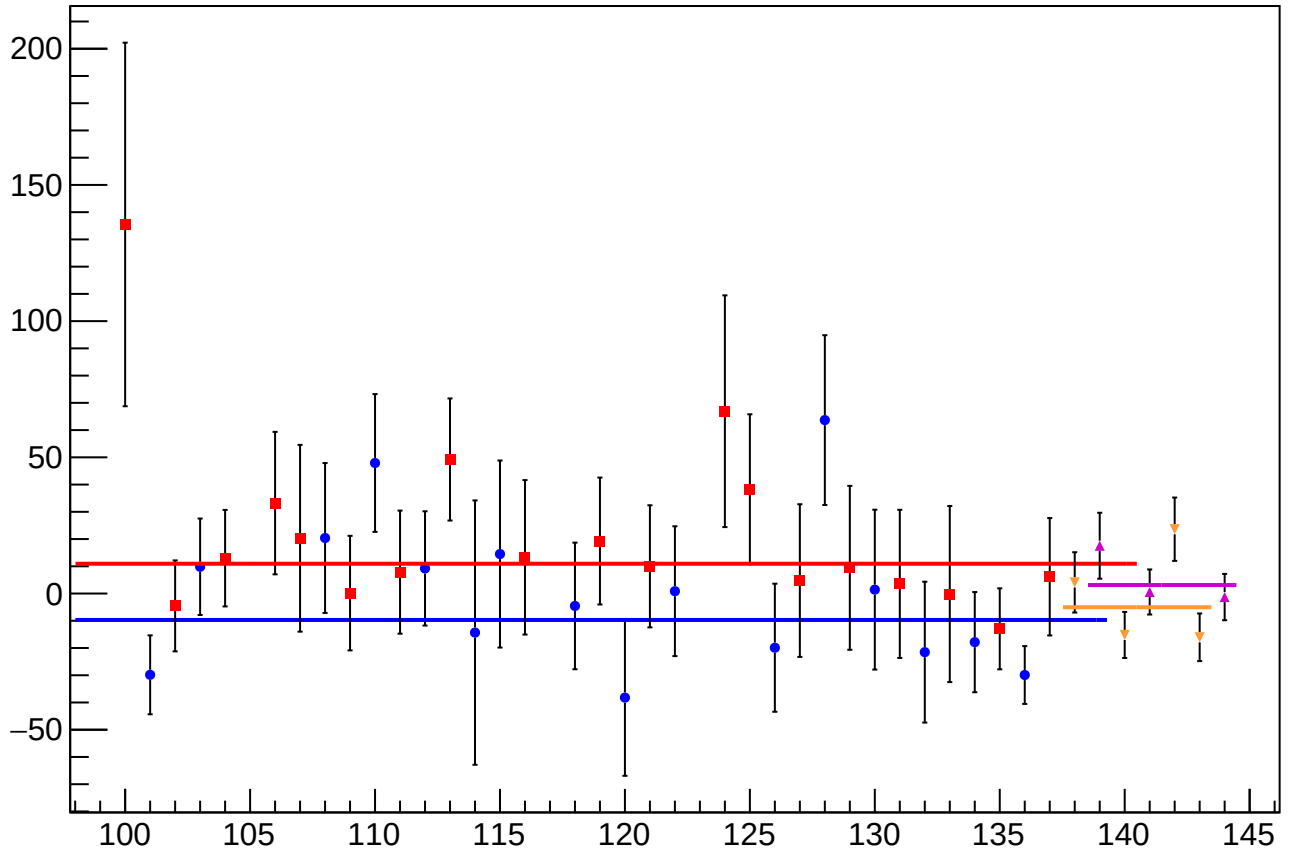
Left: 16.777+/-0.005 χ^2/NDF: 5682.2/5

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.447+/-0.004 χ^2/NDF:49837.2/18

Out: 17.567+/-0.004 χ^2/NDF:48166.6/20

All: 17.505+/-0.003 χ^2/NDF: 98455.5/39


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
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−50
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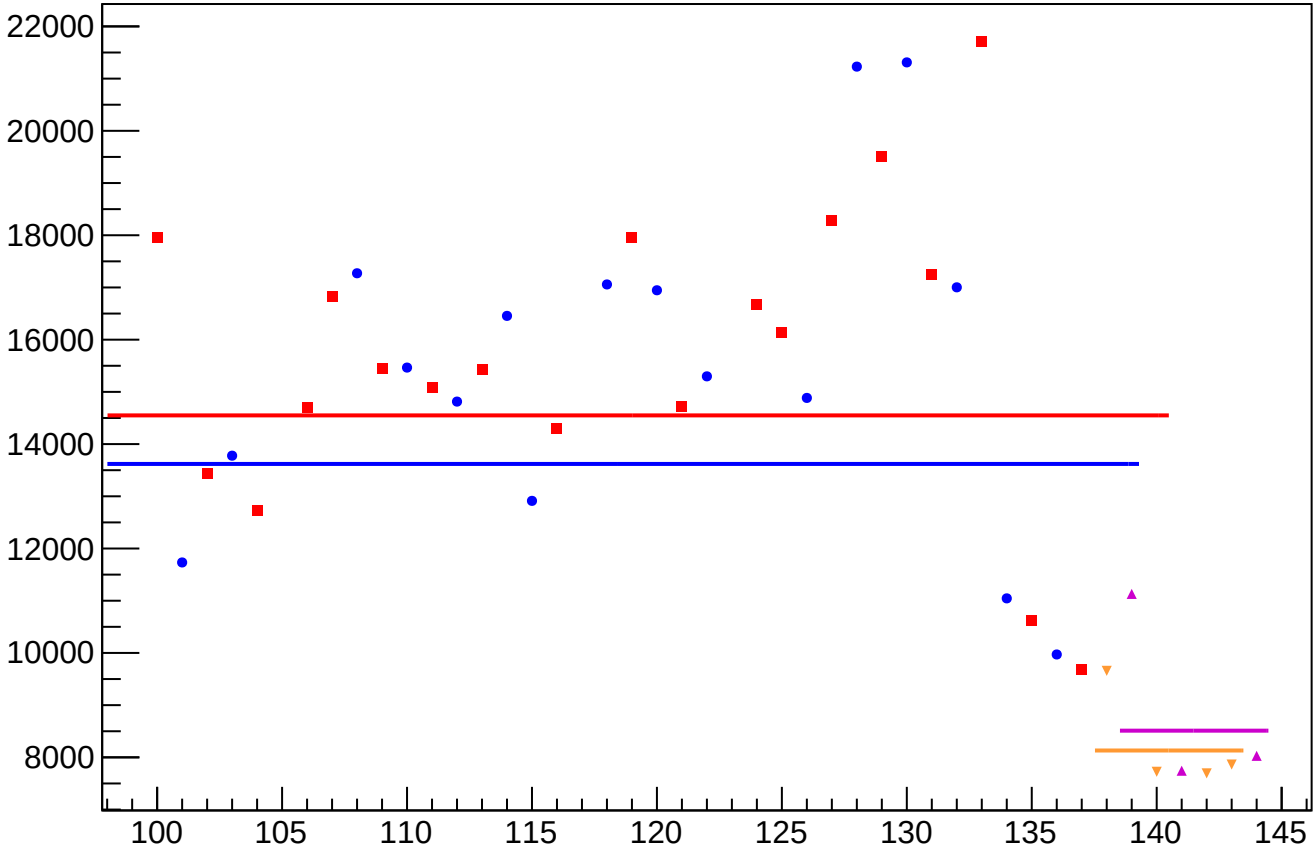
135
140
145
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -5.038+/-4.843 χ²/NDF:9.8/3
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 3.118+/-5.323 χ²/NDF:1.8/2
Left: -1.344+/-3.582 χ²/NDF: 12.9/6
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -3.403+/-3.731 χ²/NDF:26.7/18
Out: 2.031+/-3.616 χ²/NDF:28.7/22
All: -0.601+/-2.597 χ²/NDF: 56.5/41

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8131.368+/-3.424 χ^2/NDF:47405.2/3

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8511.208+/-3.764 χ^2/NDF:117334.2/2

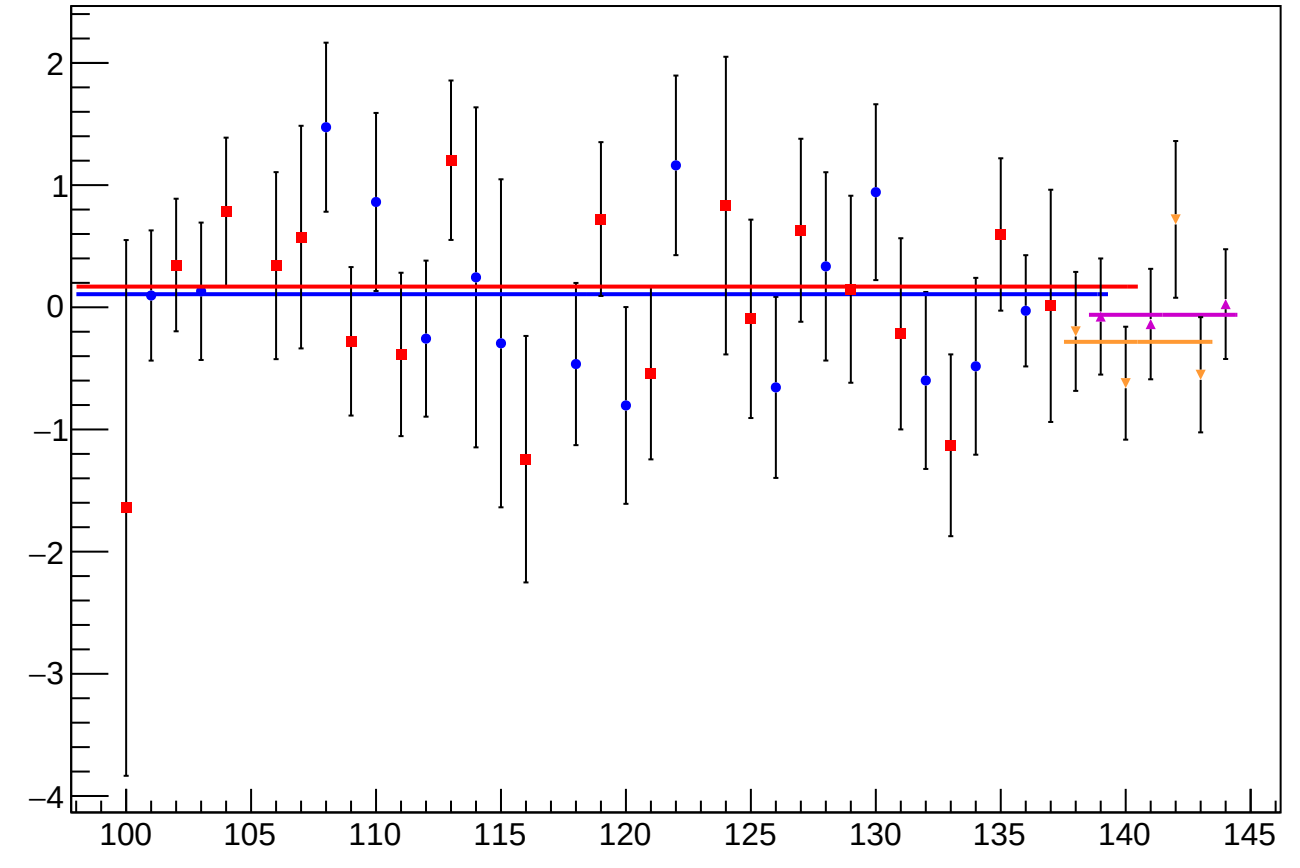
Left: 8303.386+/-2.533 χ^2/NDF: 170311.7/6

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 11109.772+/-2.638 χ^2/NDF:1801420.6/18

Out: 10971.126+/-2.557 χ^2/NDF:2157711.6/22

All: 11038.278+/-1.836 χ^2/NDF: 3960556.4/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.283+/-0.251 χ^2/NDF:3.3/3

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.061+/-0.265 χ^2/NDF:0.1/2

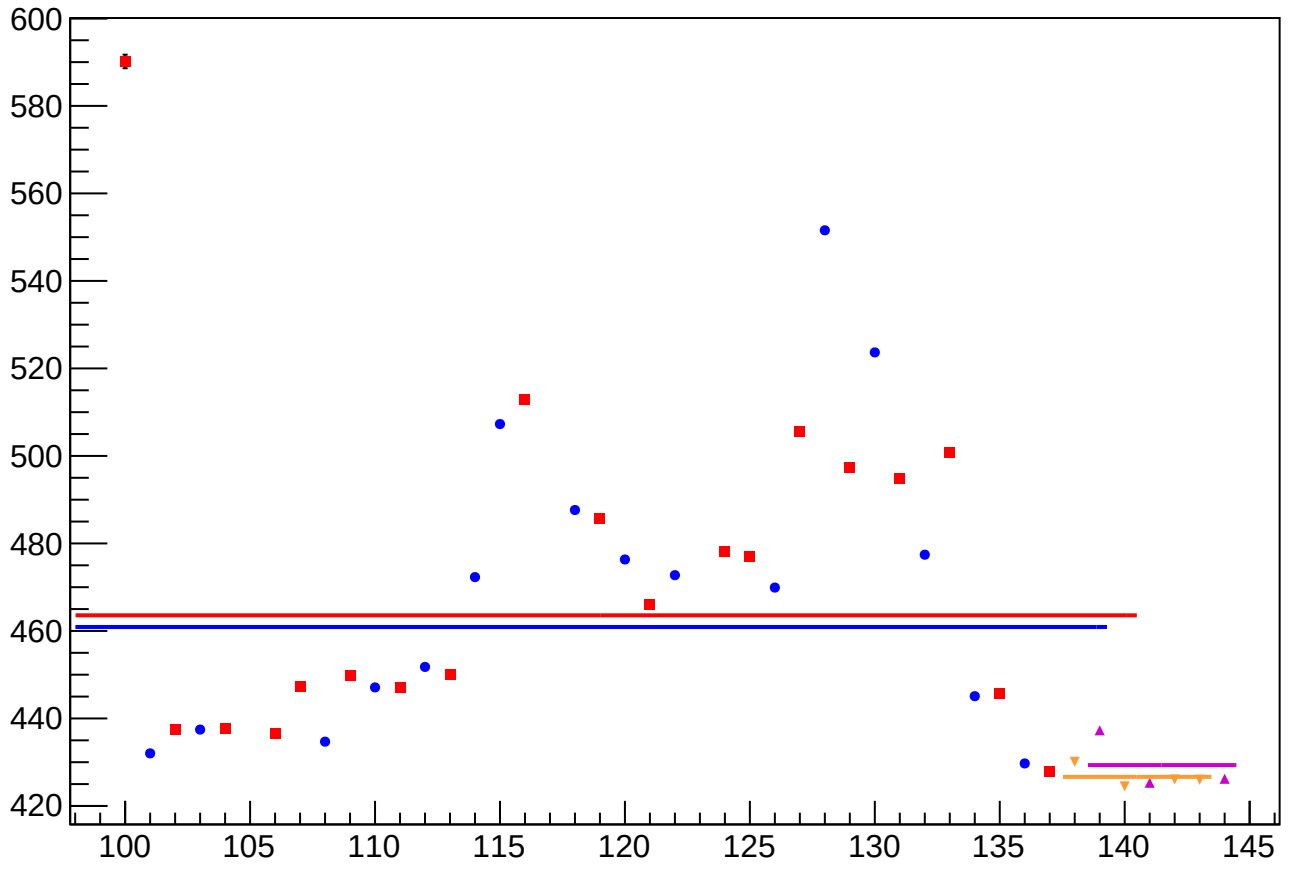
Left: -0.178+/-0.182 χ^2/NDF: 3.8/6

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.057+/-0.144 χ^2/NDF:14.0/18

Out: 0.028+/-0.140 χ^2/NDF:19.7/22

All: 0.042+/-0.101 χ^2/NDF: 33.7/41



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 426.650+/-0.178 χ^2/NDF:150.1/3

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 429.340+/-0.187 χ^2/NDF:816.4/2

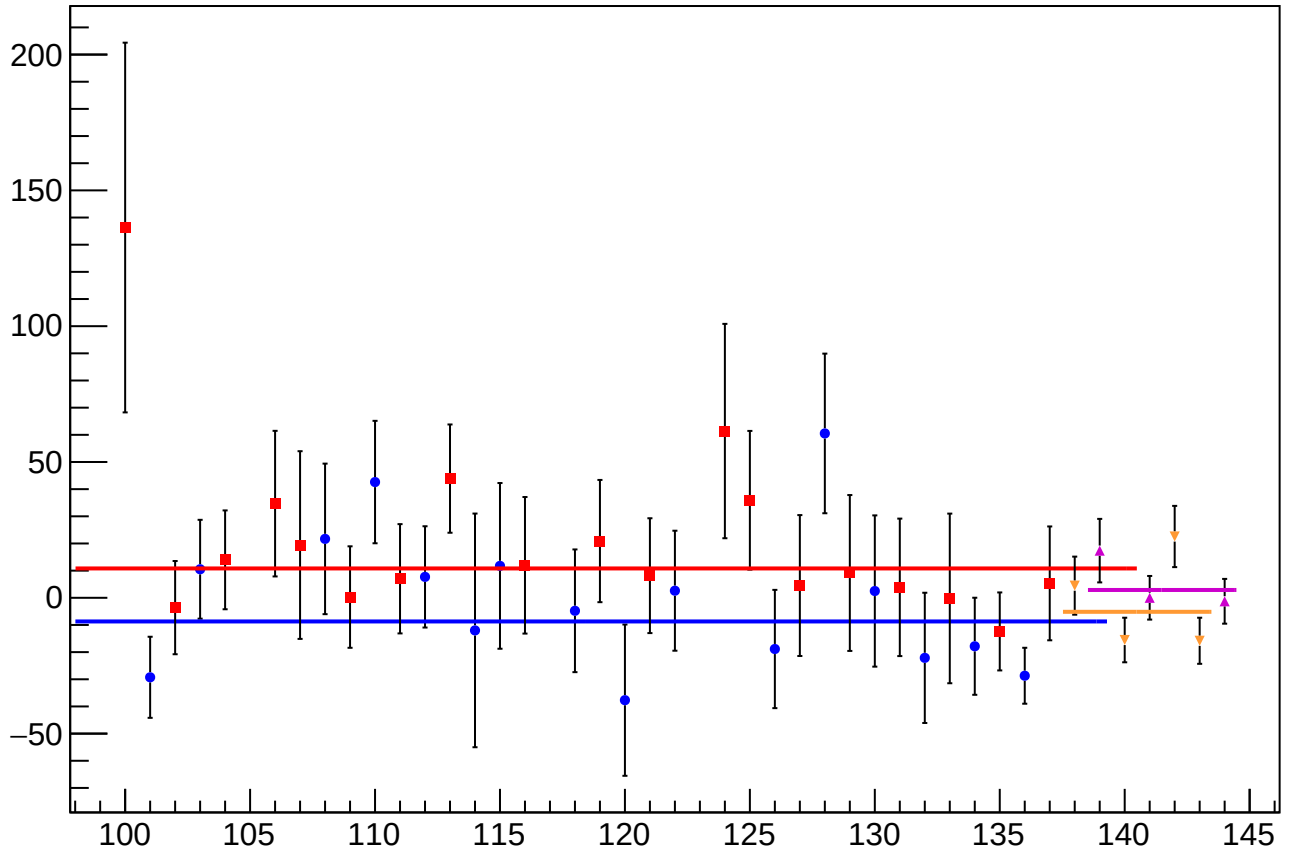
Left: 427.926+/-0.129 χ^2/NDF: 1075.1/6

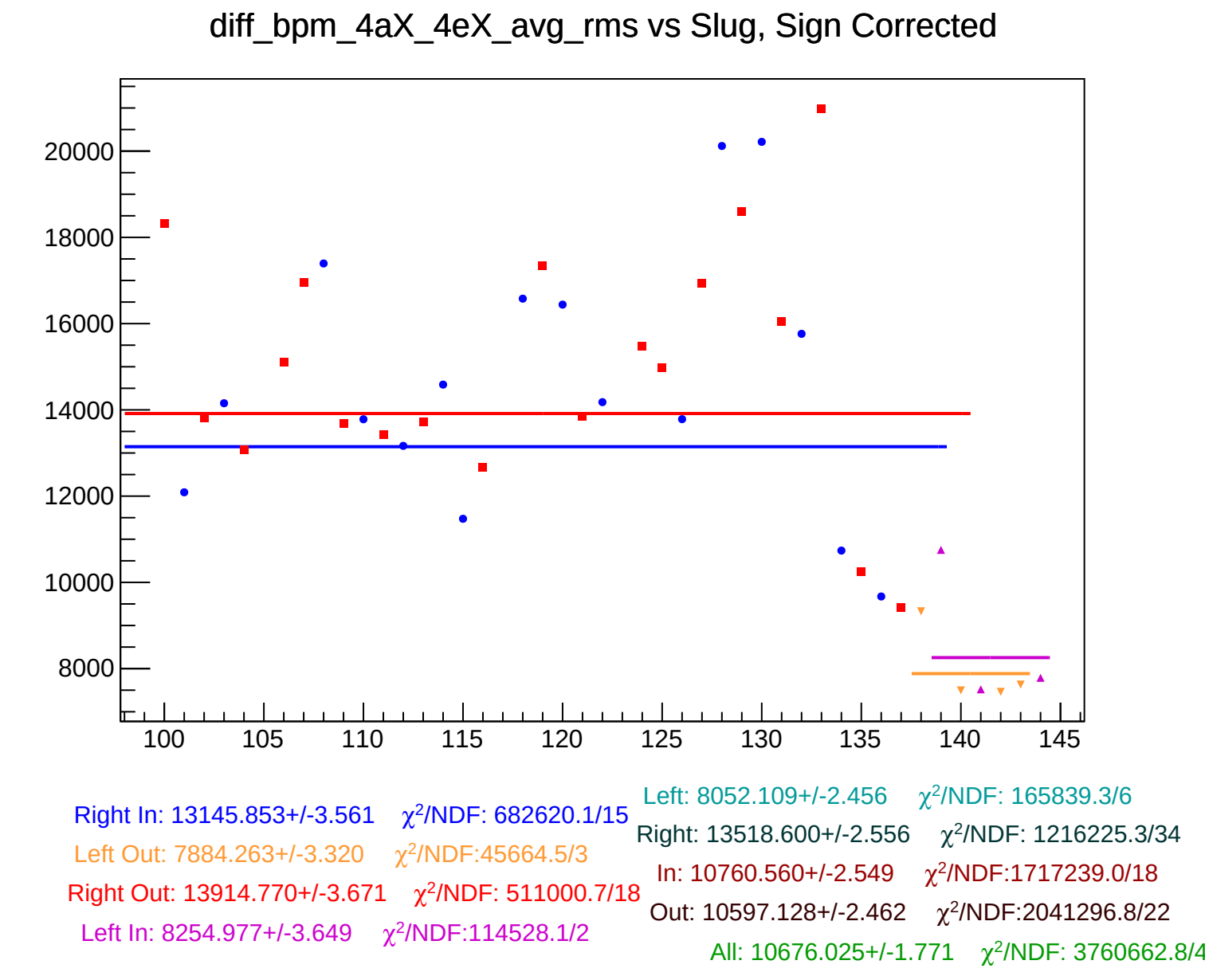
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 451.555+/-0.102 χ^2/NDF:95769.5/18

Out: 452.038+/-0.099 χ^2/NDF:81996.4/22

All: 451.803+/-0.071 χ^2/NDF: 177777.4/41


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
140
145
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -5.158+/-4.695 χ²/NDF:10.0/3
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 2.882+/-5.161 χ²/NDF:1.9/2
Left: -1.518+/-3.473 χ²/NDF: 13.3/6
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -3.055+/-3.604 χ²/NDF:26.8/18
Out: 2.024+/-3.482 χ²/NDF:29.1/22
All: -0.428+/-2.504 χ²/NDF: 56.9/41


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
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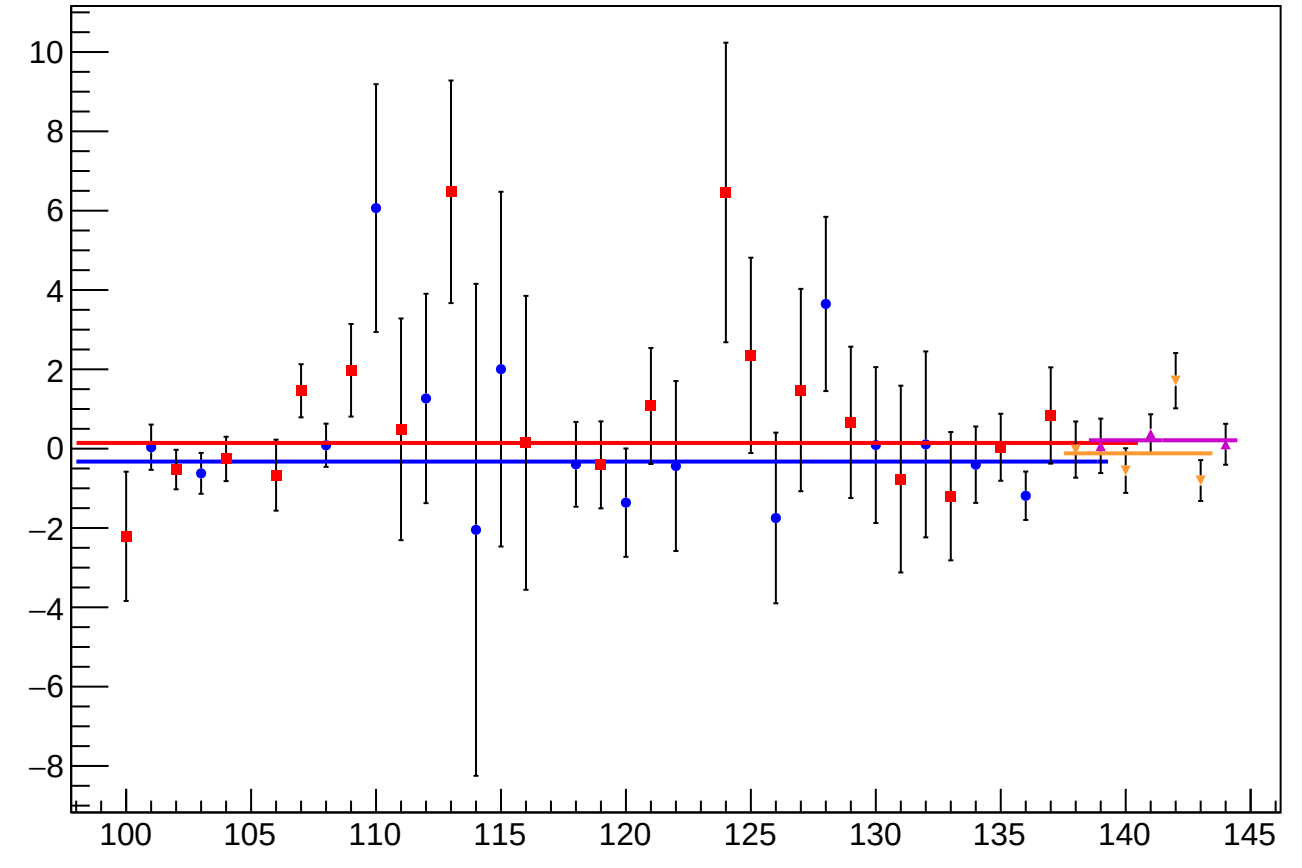
100
105
110
115
120
125
130
135
140
145
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 7884.263+/-3.320 χ²/NDF:45664.5/3
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8254.977+/-3.649 χ²/NDF:114528.1/2
Left: 8052.109+/-2.456 χ²/NDF: 165839.3/6
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10760.560+/-2.549 χ²/NDF:1717239.0/18
Out: 10597.128+/-2.462 χ²/NDF:2041296.8/22
All: 10676.025+/-1.771 χ²/NDF: 3760662.8/4



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.118+/-0.302 χ^2/NDF:9.3/3

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.211+/-0.316 χ^2/NDF:0.2/2

Left: 0.039+/-0.218 χ^2/NDF: 10.0/6

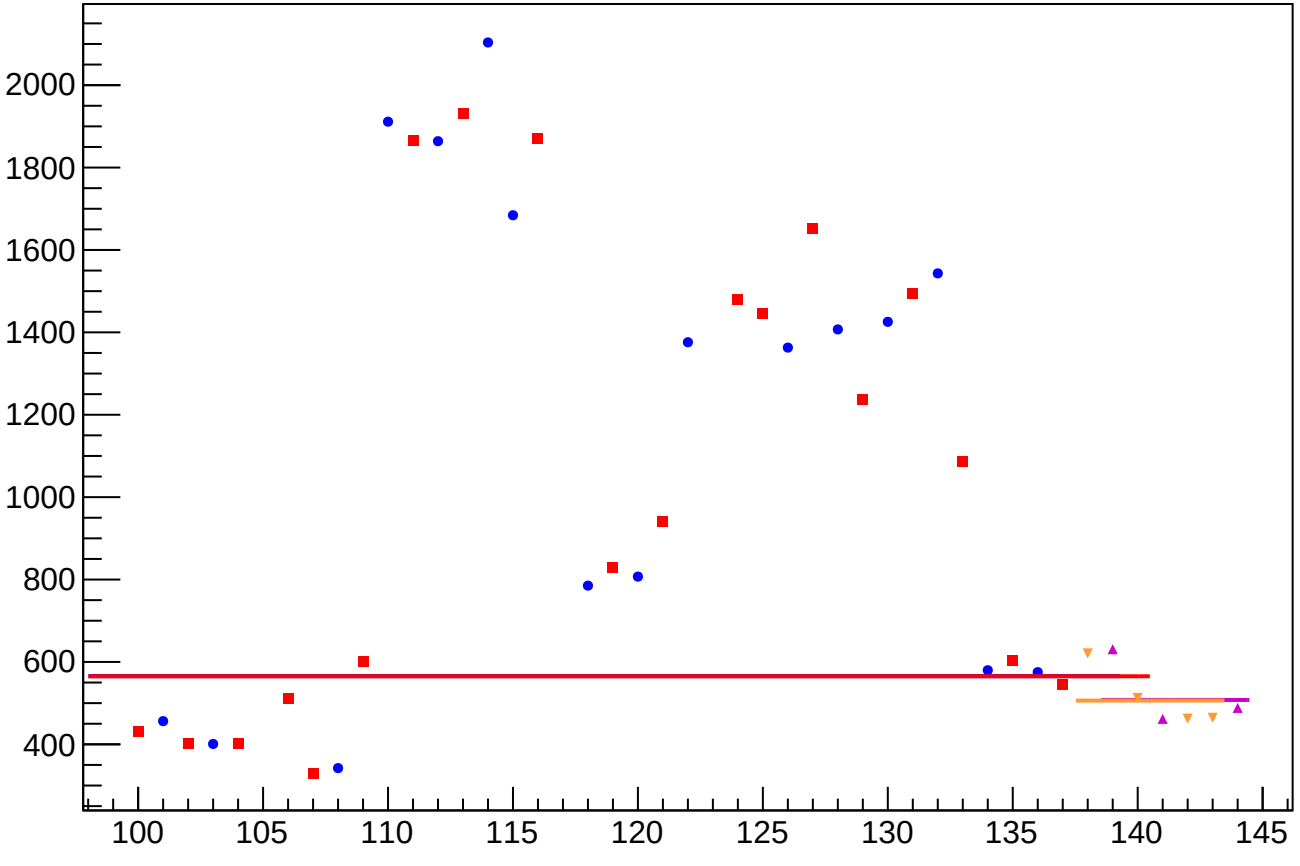
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.125+/-0.193 χ^2/NDF:14.6/18

Out: 0.040+/-0.190 χ^2/NDF:32.2/22

All: -0.041+/-0.135 χ^2/NDF: 47.1/41

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 506.260+/-0.213 χ^2/NDF:73566.6/3

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 507.745+/-0.224 χ^2/NDF:84547.5/2

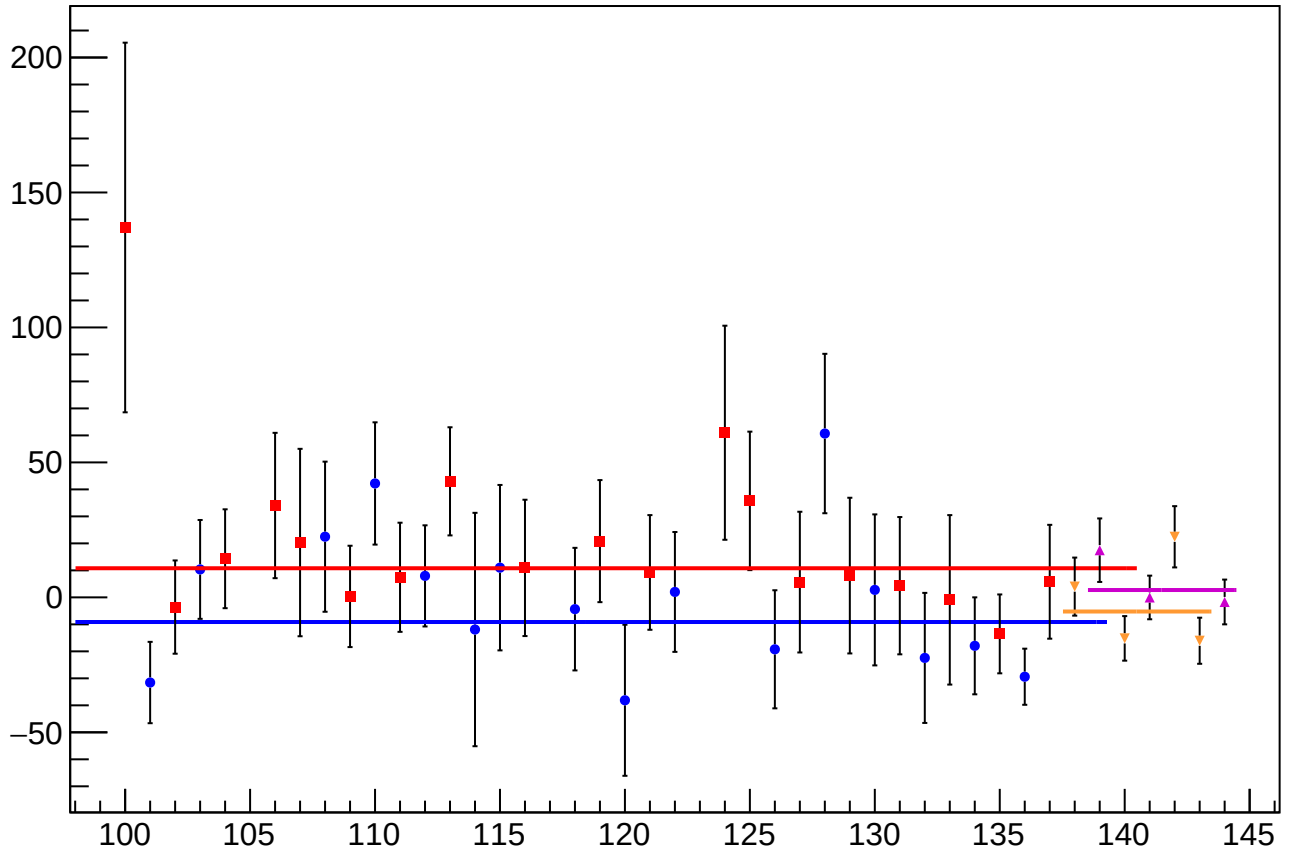
Left: 506.968+/-0.154 χ^2/NDF: 158137.2/6

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 543.964+/-0.137 χ^2/NDF:3576904.4/18

Out: 541.878+/-0.134 χ^2/NDF:3691288.4/22

All: 542.903+/-0.096 χ^2/NDF: 7268311.2/41


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
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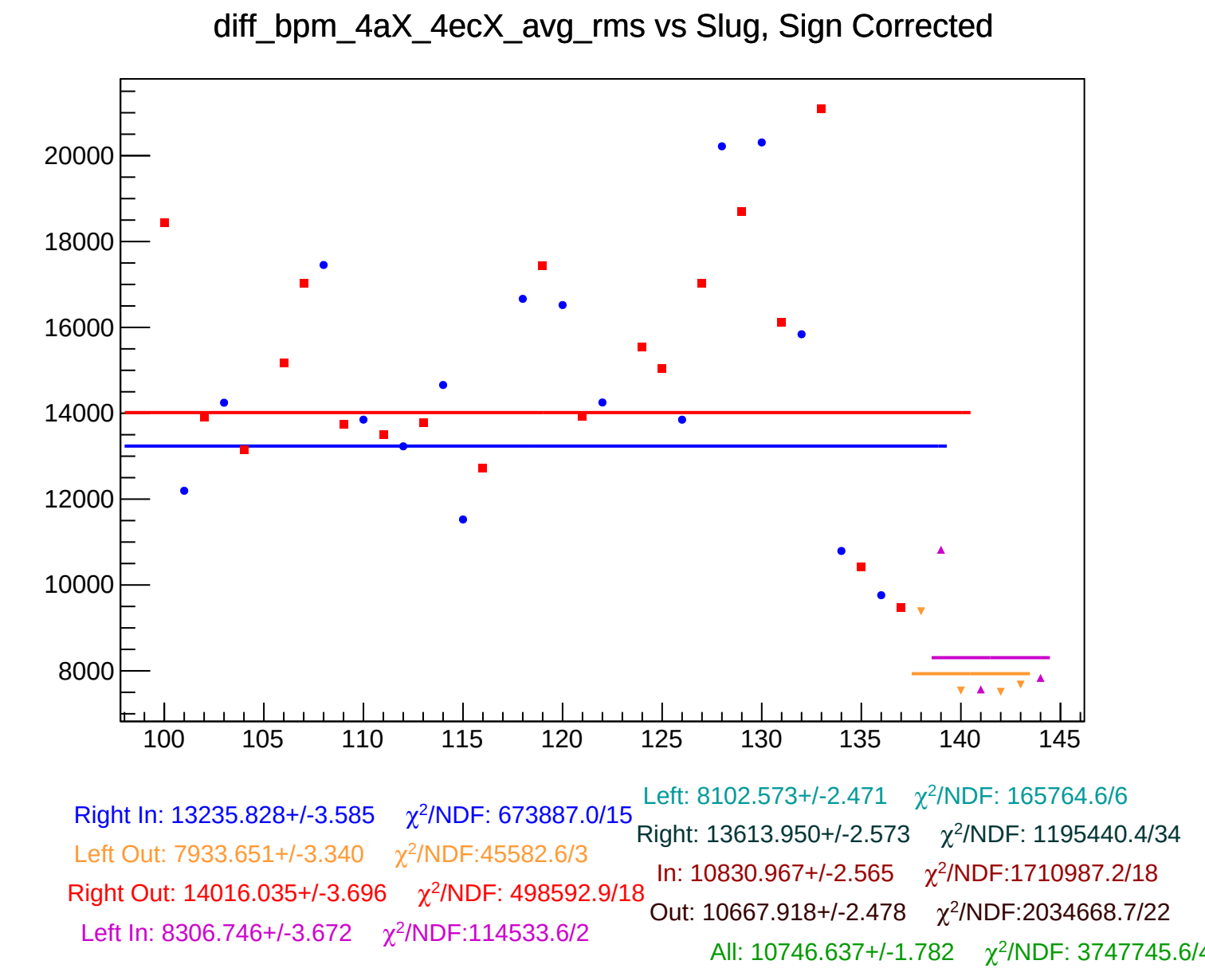
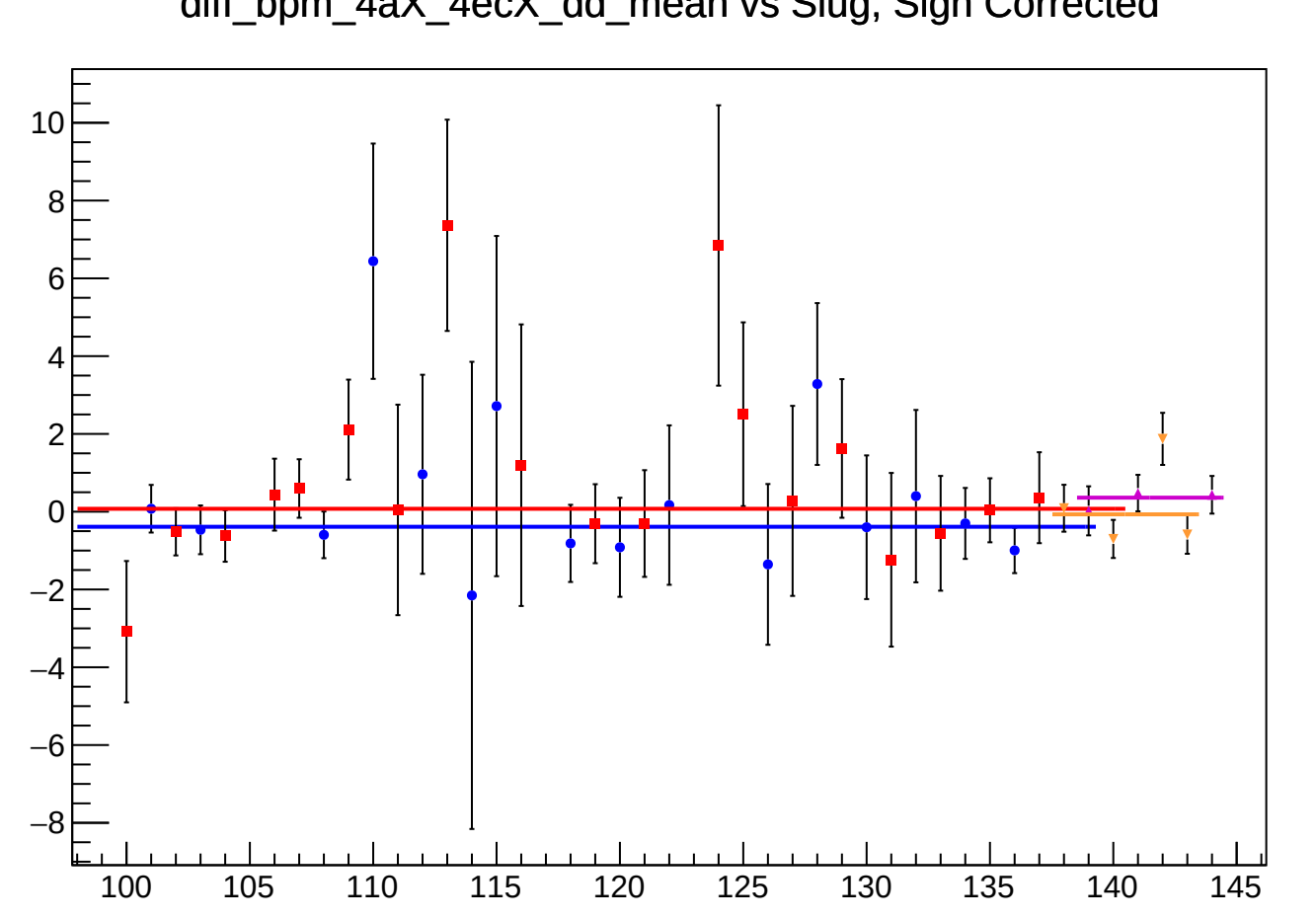
145
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -5.240+/-4.724 χ²/NDF:9.8/3
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 2.722+/-5.194 χ²/NDF:2.0/2
Left: -1.635+/-3.495 χ²/NDF: 13.0/6
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -3.348+/-3.628 χ²/NDF:27.4/18
Out: 1.965+/-3.505 χ²/NDF:28.6/22
All: -0.600+/-2.521 χ²/NDF: 57.1/41


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 7933.651+/-3.340 χ²/NDF:45582.6/3
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8306.746+/-3.672 χ²/NDF:114533.6/2
Left: 8102.573+/-2.471 χ²/NDF: 165764.6/6
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10830.967+/-2.565 χ²/NDF:1710987.2/18
Out: 10667.918+/-2.478 χ²/NDF:2034668.7/22
All: 10746.637+/-1.782 χ²/NDF: 3747745.6/4



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.068+/-0.275 χ^2/NDF:11.2/3

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.361+/-0.297 χ^2/NDF:0.4/2

Left: 0.130+/-0.202 χ^2/NDF: 12.7/6

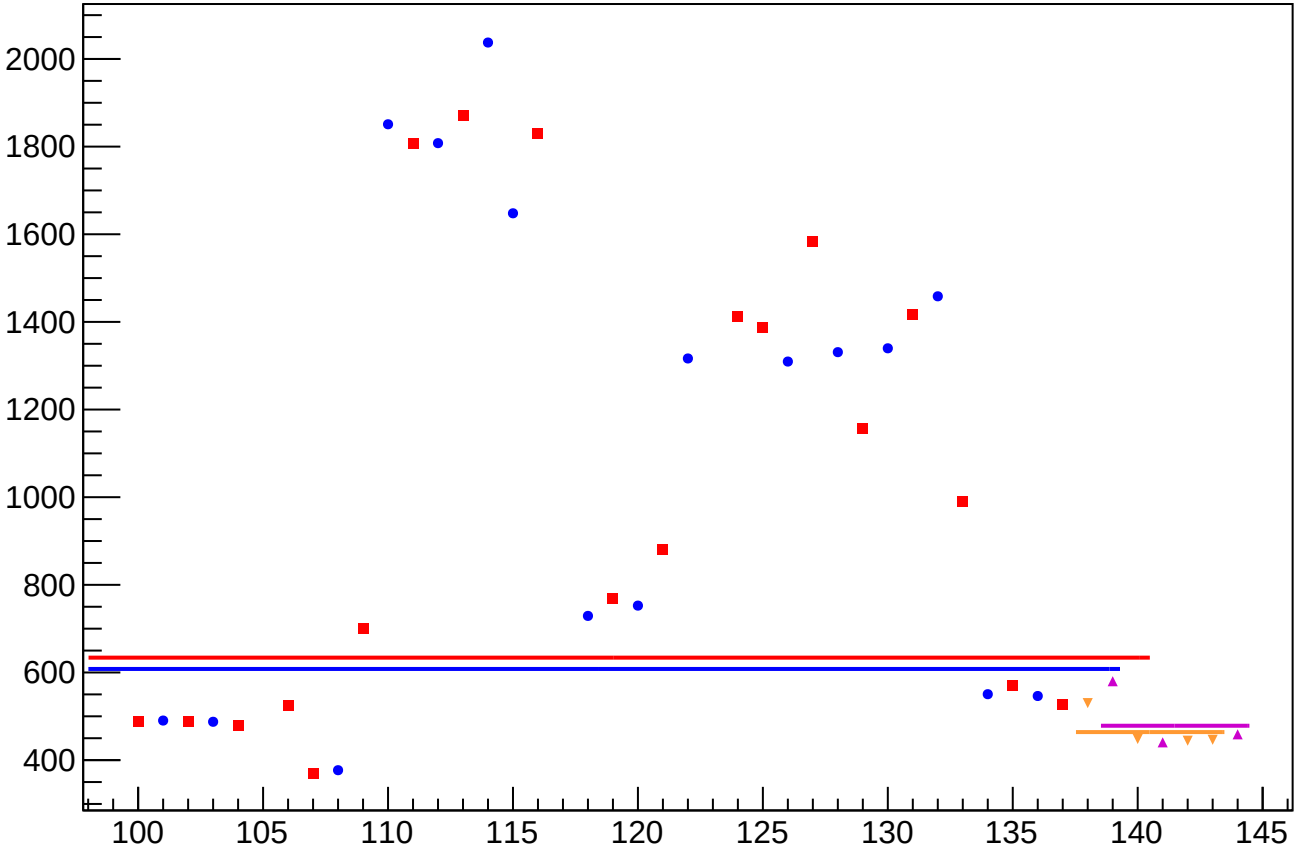
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.069+/-0.194 χ^2/NDF:15.7/18

Out: 0.006+/-0.191 χ^2/NDF:33.1/22

All: -0.031+/-0.136 χ^2/NDF: 48.8/41

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 464.019+/-0.194 χ^2/NDF:30318.4/3

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 478.479+/-0.210 χ^2/NDF:68191.2/2

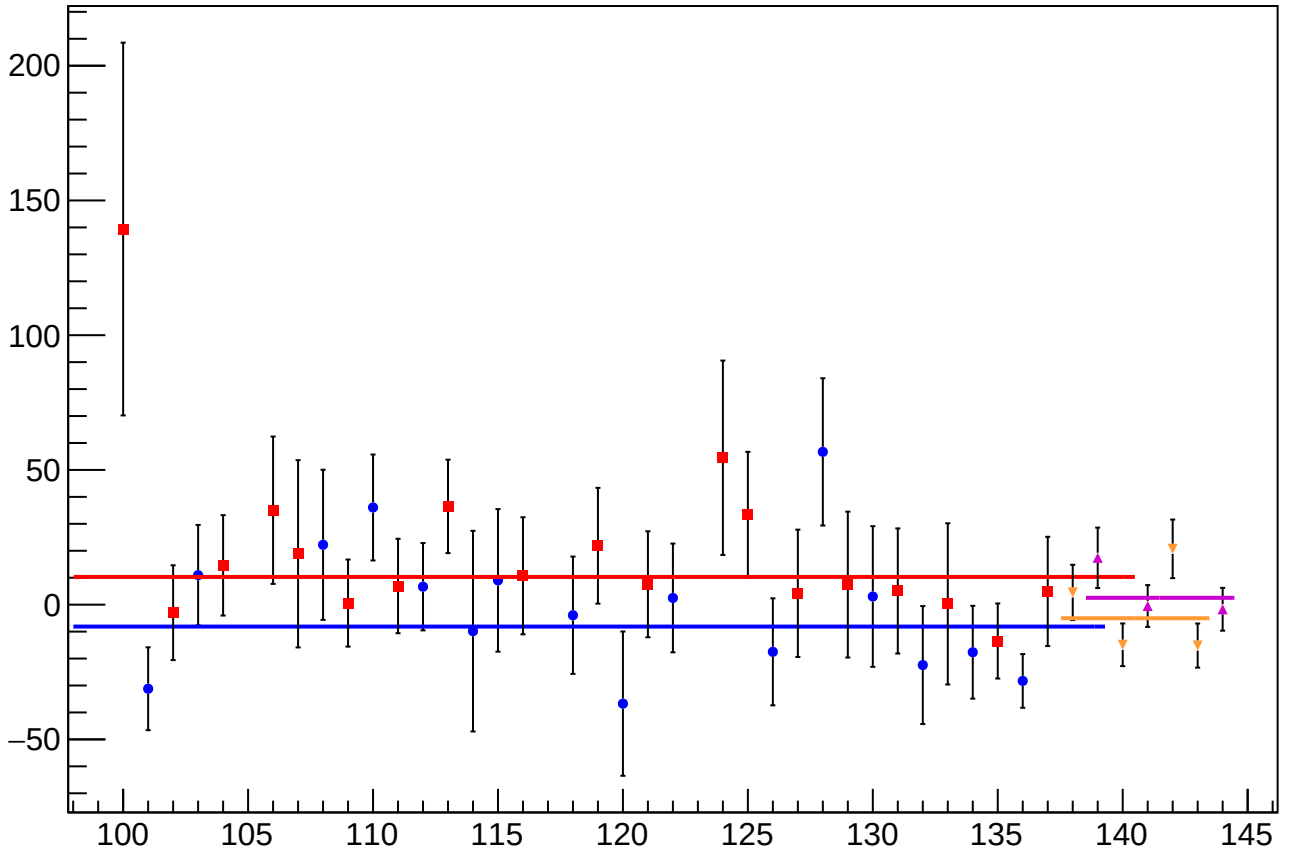
Left: 470.686+/-0.143 χ^2/NDF: 101060.8/6

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 552.943+/-0.137 χ^2/NDF:3139398.8/18

Out: 552.224+/-0.135 χ^2/NDF:3215243.4/22

All: 552.577+/-0.096 χ^2/NDF: 6354656.2/41



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -5.036+/-4.523 χ^2/NDF:9.6/3

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 2.543+/-4.972 χ^2/NDF:2.2/2

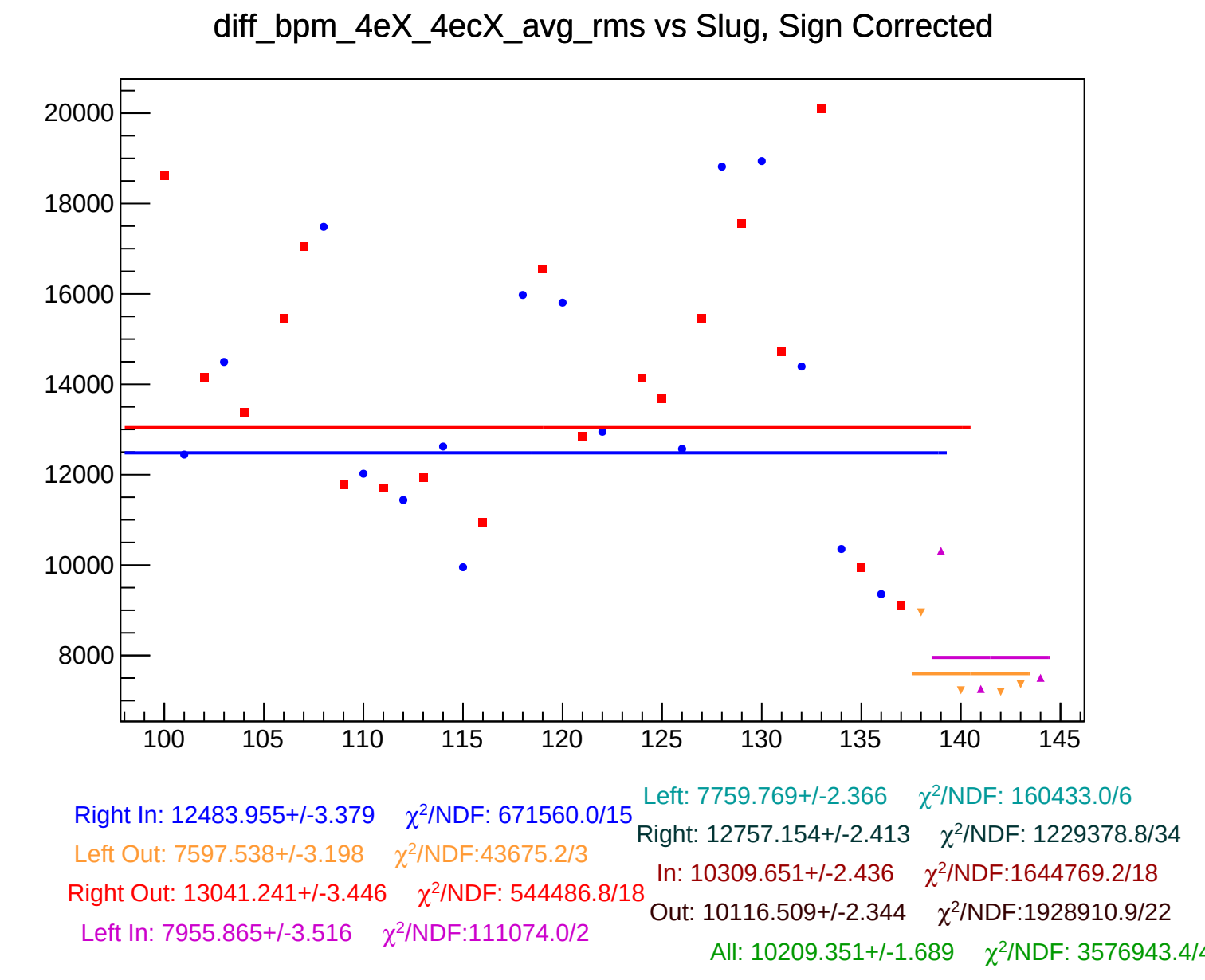
Left: -1.604+/-3.346 χ^2/NDF: 13.0/6

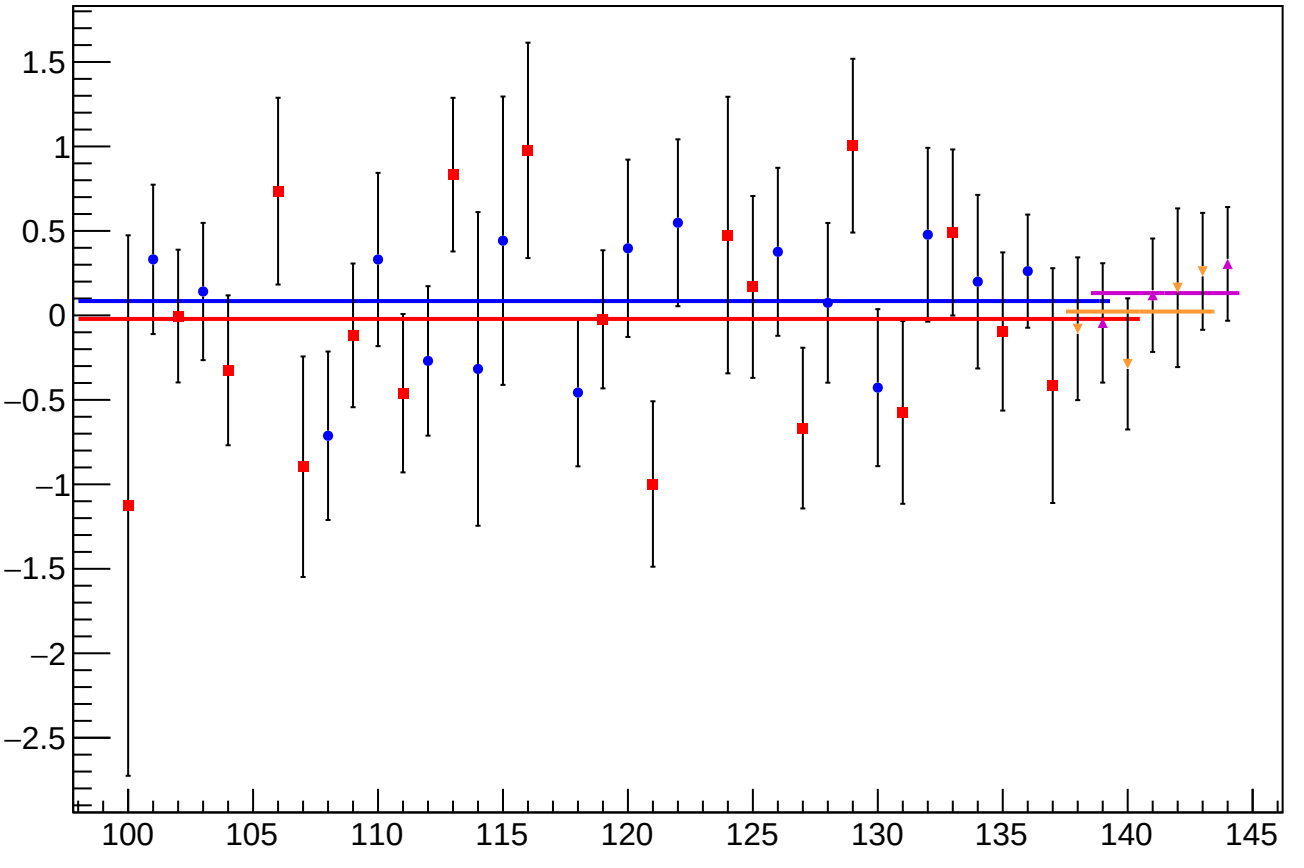
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -3.006+/-3.446 χ^2/NDF:27.7/18

Out: 2.055+/-3.315 χ^2/NDF:28.6/22

All: -0.378+/-2.389 χ^2/NDF: 57.4/41


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 7597.538+/-3.198 χ²/NDF:43675.2/3
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 7955.865+/-3.516 χ²/NDF:111074.0/2
Left: 7759.769+/-2.366 χ²/NDF: 160433.0/6
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 10309.651+/-2.436 χ²/NDF:1644769.2/18
Out: 10116.509+/-2.344 χ²/NDF:1928910.9/22
All: 10209.351+/-1.689 χ²/NDF: 3576943.4/4



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.200 χ^2/NDF:1.3/3

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.132+/-0.197 χ^2/NDF:0.5/2

Left: 0.078+/-0.140 χ^2/NDF: 1.9/6

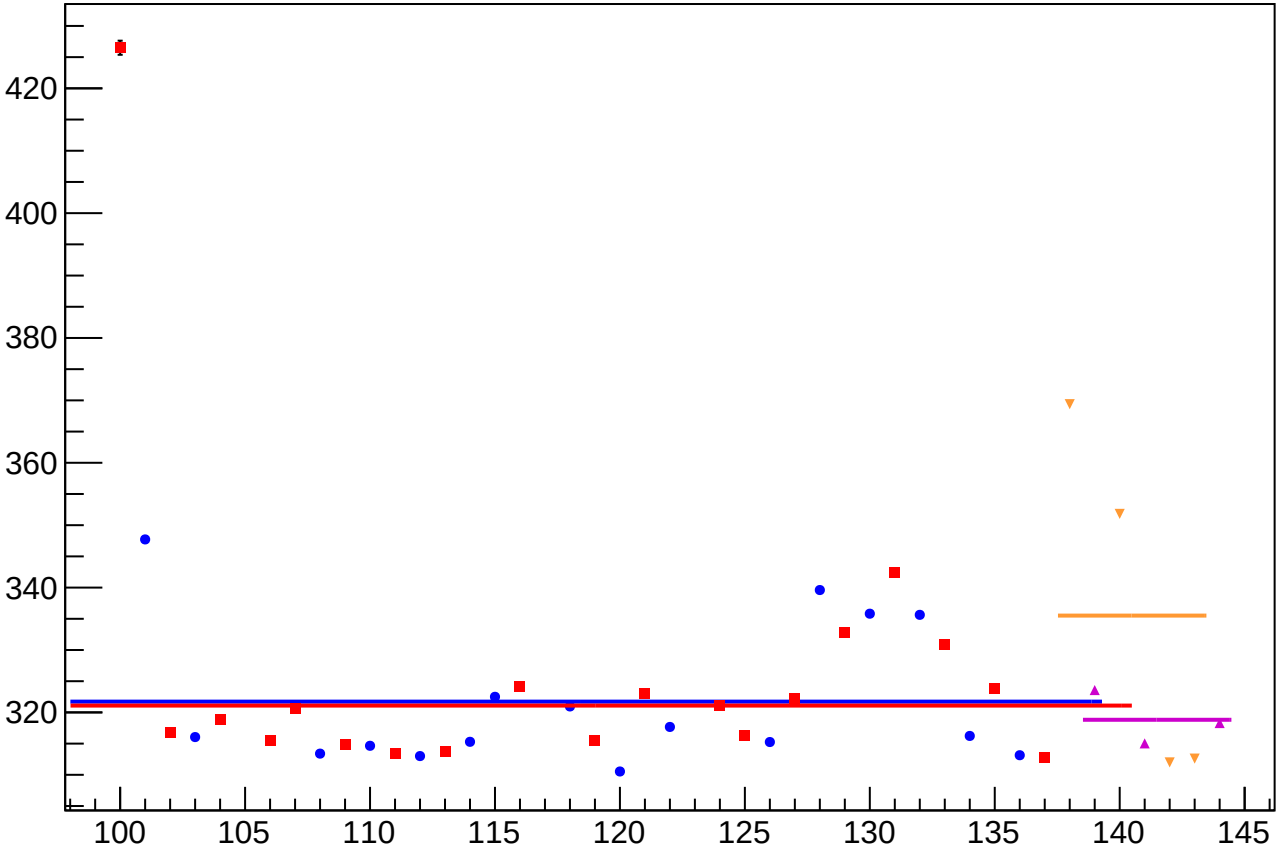
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.098+/-0.103 χ^2/NDF:9.9/18

Out: -0.010+/-0.101 χ^2/NDF:25.6/22

All: 0.043+/-0.072 χ^2/NDF: 36.1/41

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 335.514+/-0.141 χ^2/NDF:30170.0/3

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 318.818+/-0.139 χ^2/NDF:622.3/2

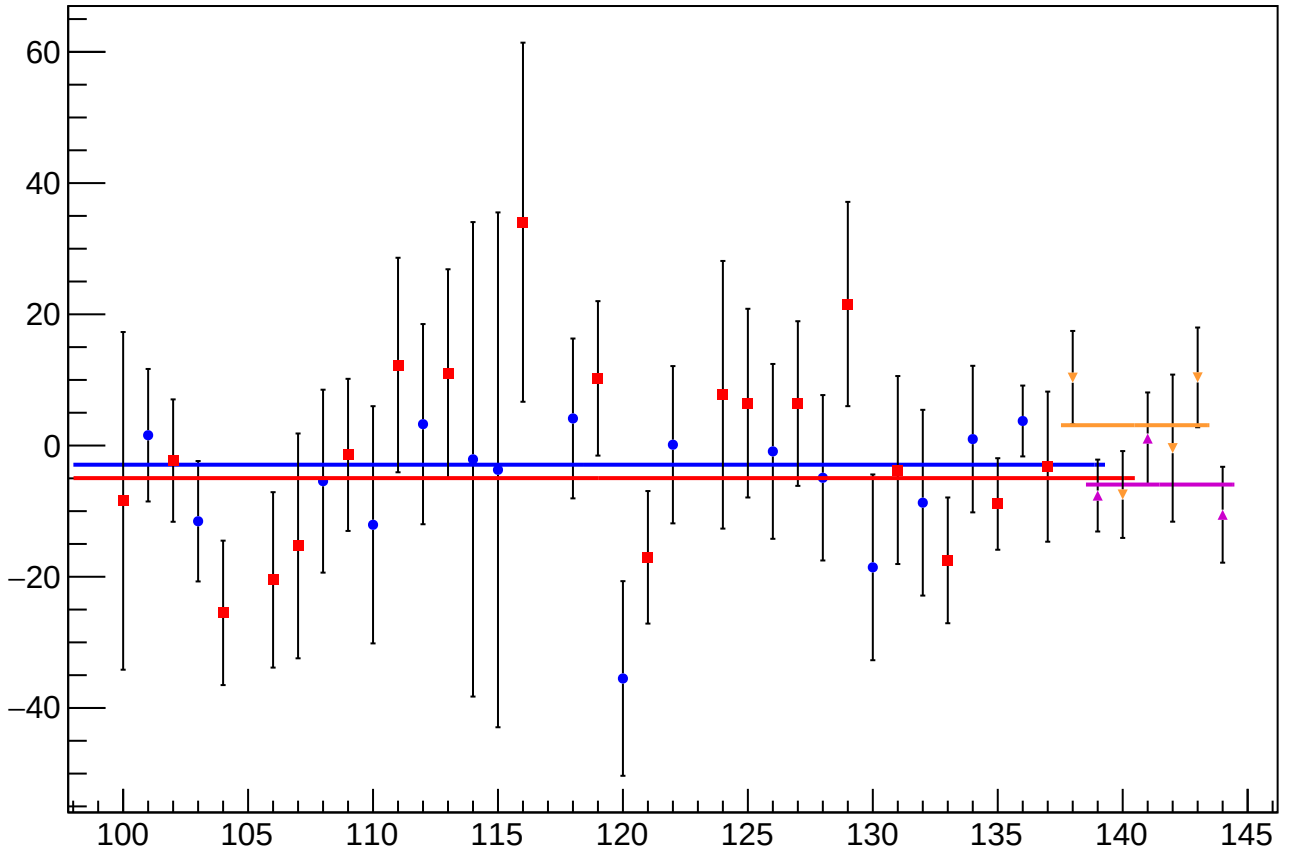
Left: 327.068+/-0.099 χ^2/NDF: 37876.5/6

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.940+/-0.073 χ^2/NDF:19154.4/18

Out: 324.806+/-0.072 χ^2/NDF:54507.4/22

All: 322.899+/-0.051 χ^2/NDF: 75100.6/41



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.099+/-3.840 χ^2/NDF:4.6/3

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -5.948+/-3.719 χ^2/NDF:1.5/2

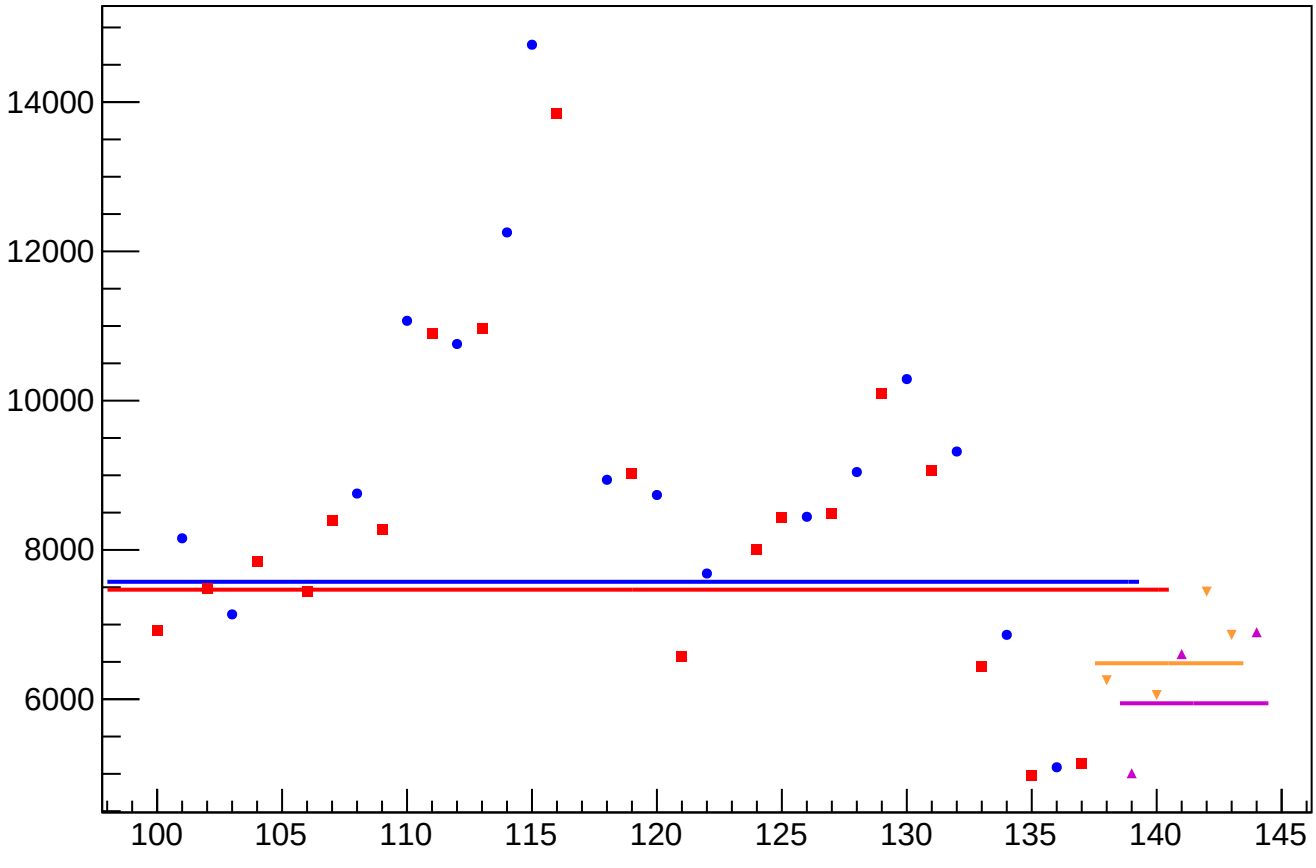
Left: -1.569+/-2.672 χ^2/NDF: 8.9/6

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -4.071+/-2.292 χ^2/NDF:11.7/18

Out: -2.135+/-2.275 χ^2/NDF:26.9/22

All: -3.096+/-1.615 χ^2/NDF: 39.0/41



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6481.529+/-2.716 χ^2/NDF:29964.2/3

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 5945.236+/-2.630 χ^2/NDF:110122.7/2

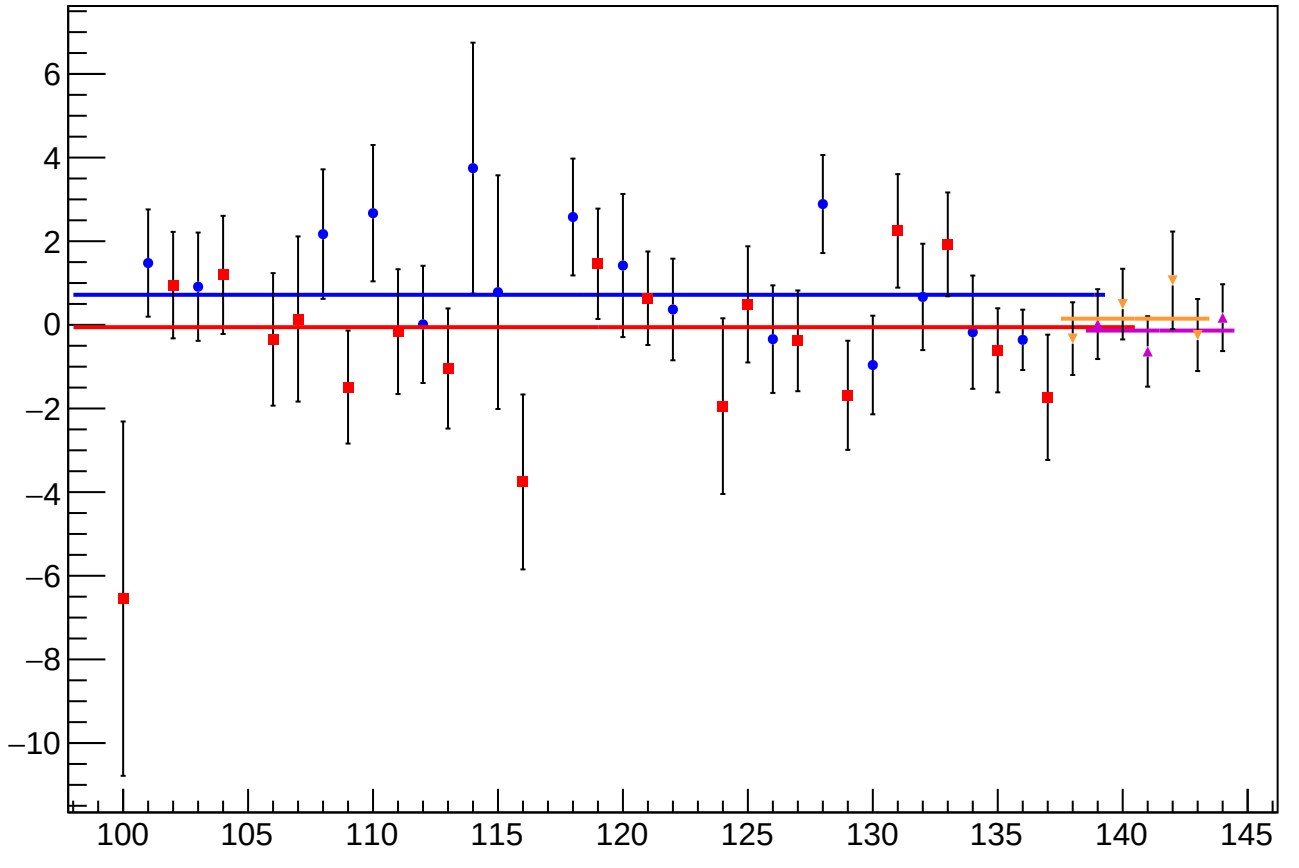
Left: 6204.793+/-1.889 χ^2/NDF: 160212.3/6

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6954.930+/-1.621 χ^2/NDF:1245359.9/18

Out: 7121.458+/-1.609 χ^2/NDF:943876.2/22

All: 7038.811+/-1.142 χ^2/NDF: 2194554.1/41



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.148+/-0.456 χ^2/NDF:1.3/3

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.136+/-0.476 χ^2/NDF:0.5/2

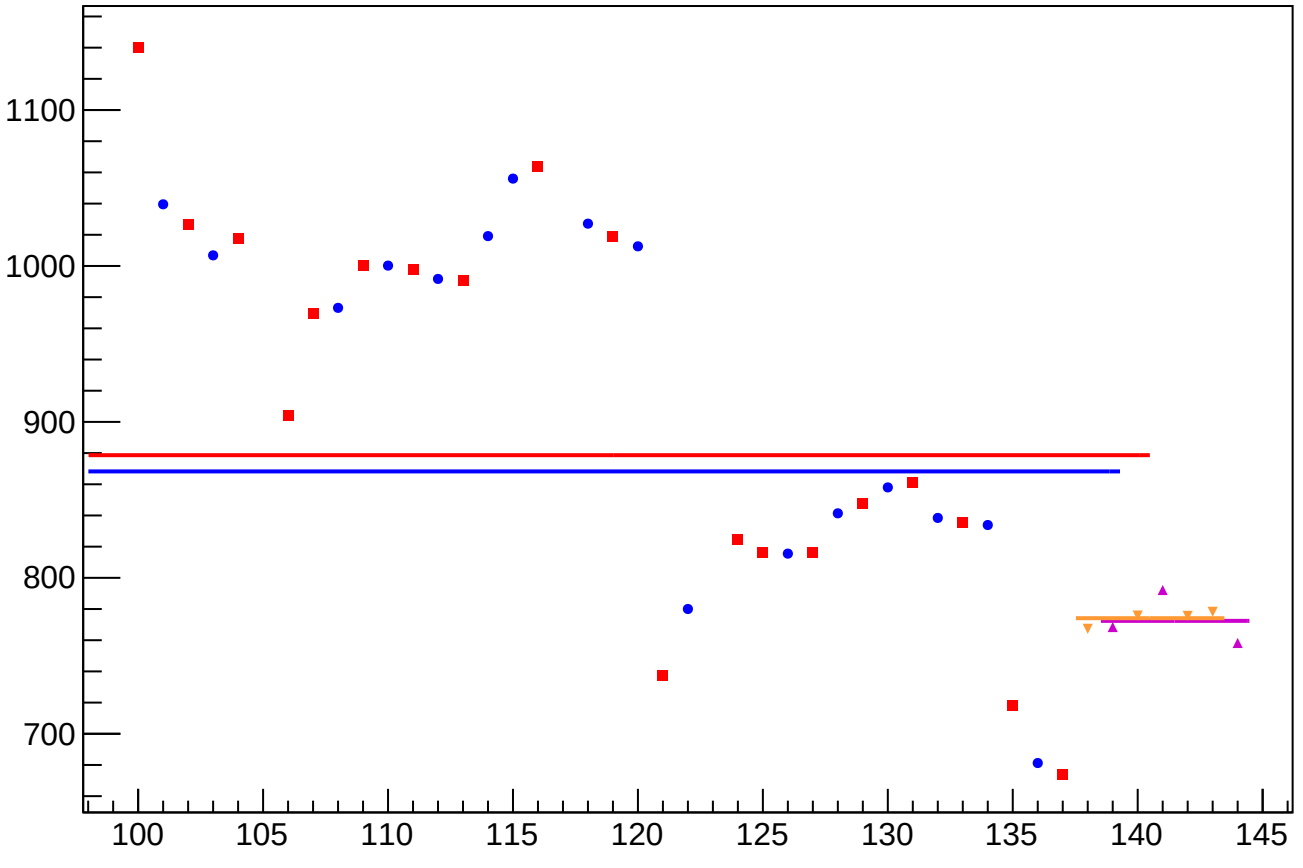
Left: 0.012+/-0.329 χ^2/NDF: 2.0/6

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.446+/-0.269 χ^2/NDF:17.5/18

Out: 0.012+/-0.264 χ^2/NDF:21.2/22

All: 0.225+/-0.188 χ^2/NDF: 40.1/41



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 774.121+/-0.323 χ^2/NDF:178.8/3

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 772.412+/-0.337 χ^2/NDF:1779.2/2

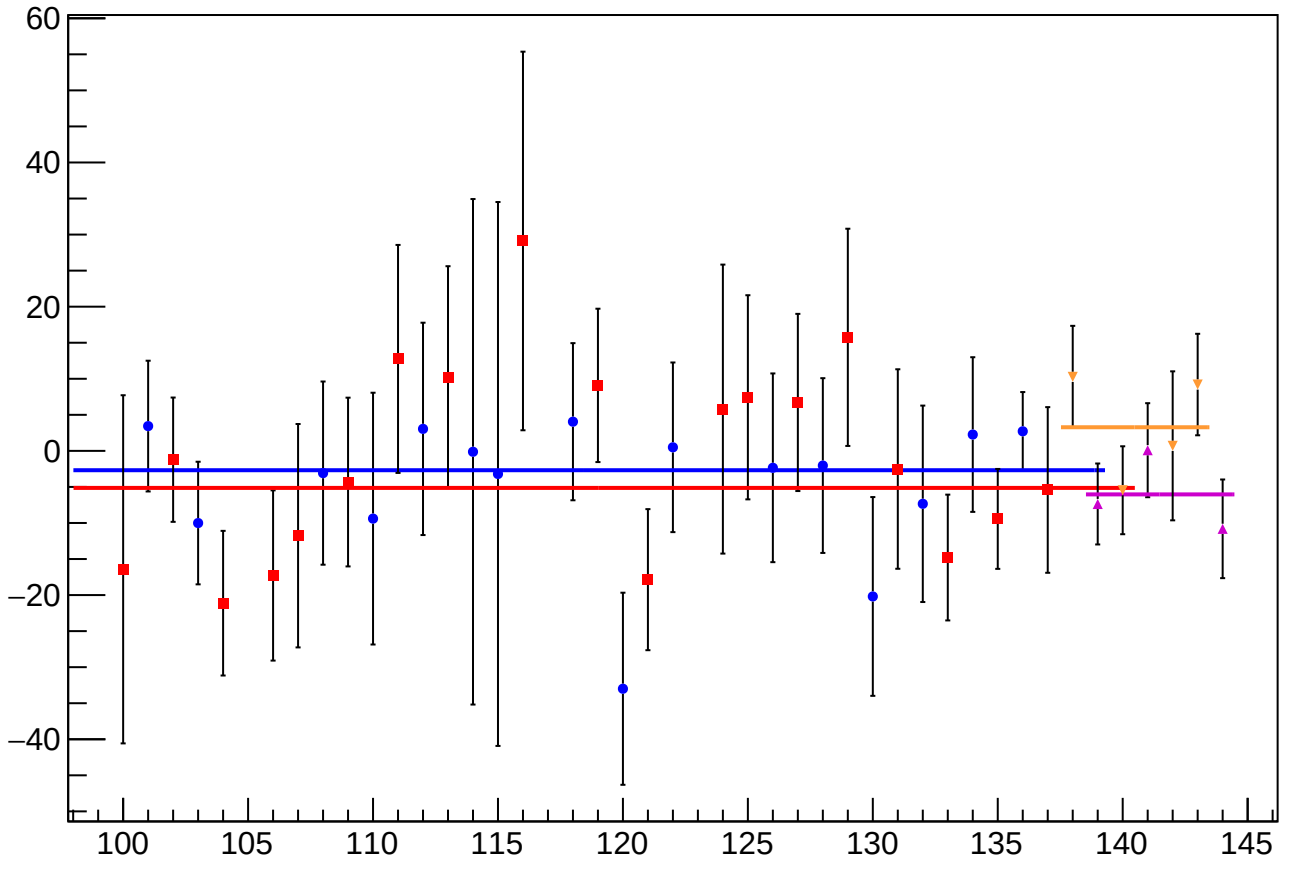
Left: 773.303+/-0.233 χ^2/NDF: 1971.4/6

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 837.677+/-0.190 χ^2/NDF:359361.1/18

Out: 843.688+/-0.187 χ^2/NDF:342631.1/22

All: 840.741+/-0.133 χ^2/NDF: 702501.5/41



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.276+/-3.618 χ^2/NDF:3.8/3

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -6.036+/-3.613 χ^2/NDF:1.4/2

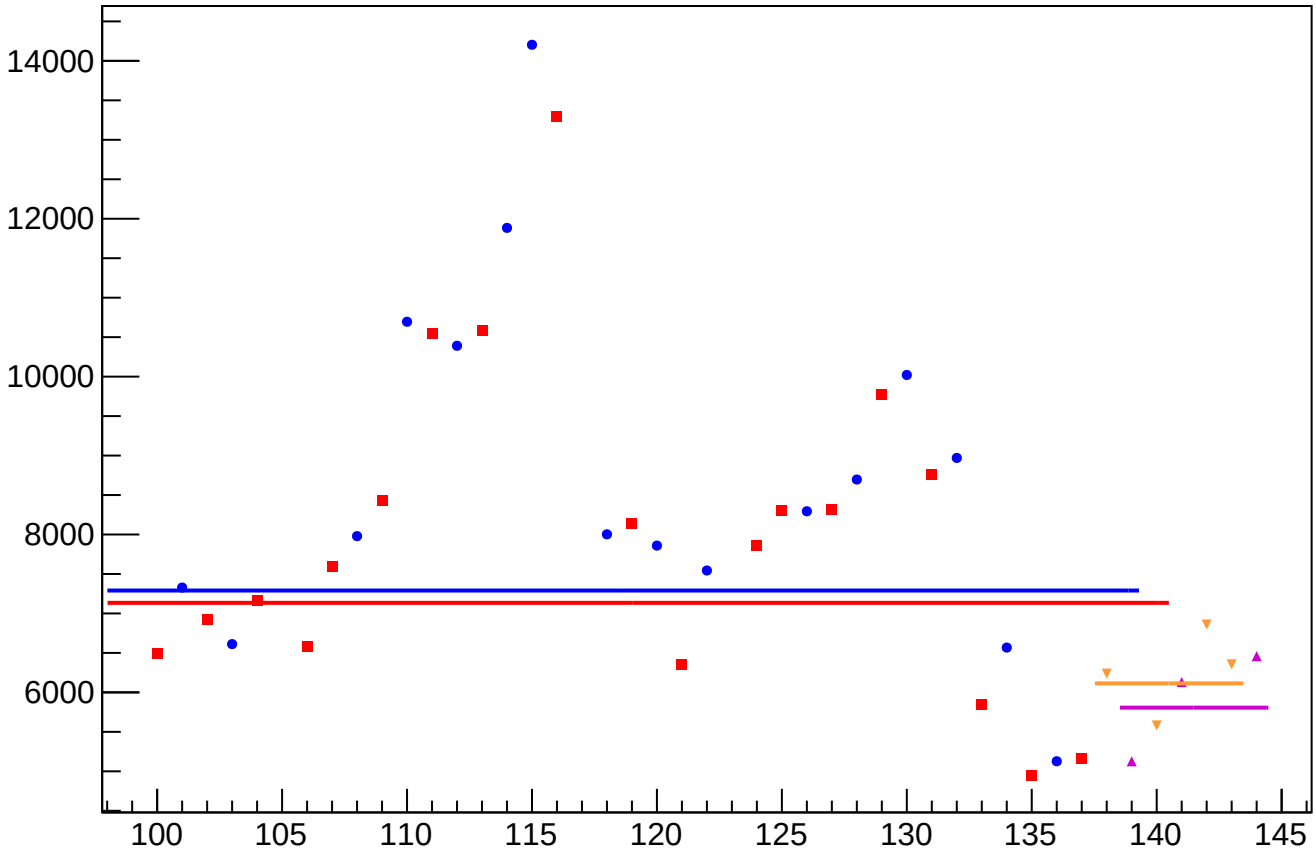
Left: -1.387+/-2.556 χ^2/NDF: 8.5/6

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -3.935+/-2.207 χ^2/NDF:12.0/18

Out: -2.139+/-2.160 χ^2/NDF:24.5/22

All: -3.017+/-1.544 χ^2/NDF: 36.9/41



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6113.818+/-2.558 χ^2/NDF:28631.6/3

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 5806.534+/-2.555 χ^2/NDF:52433.8/2

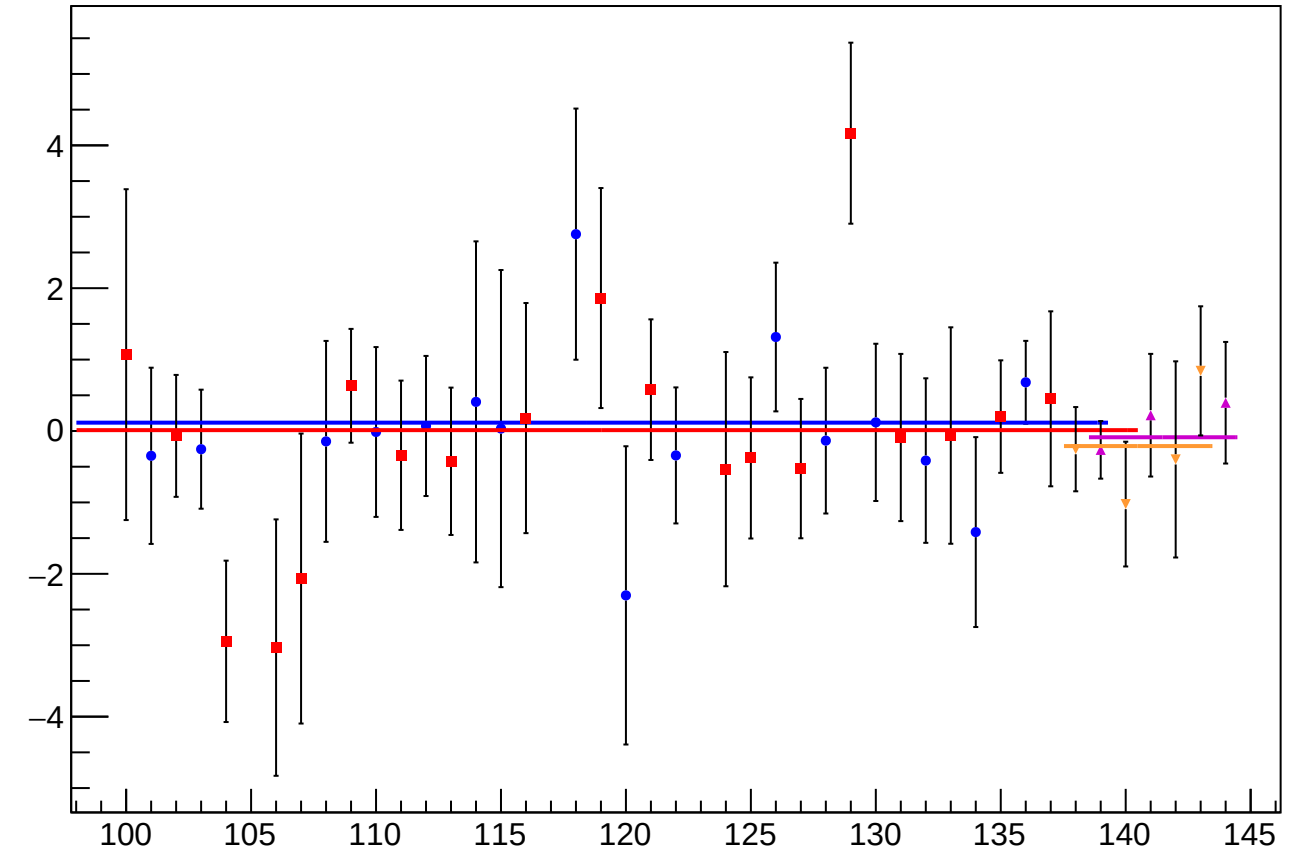
Left: 5959.969+/-1.808 χ^2/NDF: 88289.8/6

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6736.415+/-1.561 χ^2/NDF:1034356.1/18

Out: 6770.706+/-1.527 χ^2/NDF:923868.9/22

All: 6753.935+/-1.092 χ^2/NDF: 1958471.6/41



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.211+/-0.410 χ^2/NDF:2.2/3

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.088+/-0.335 χ^2/NDF:0.6/2

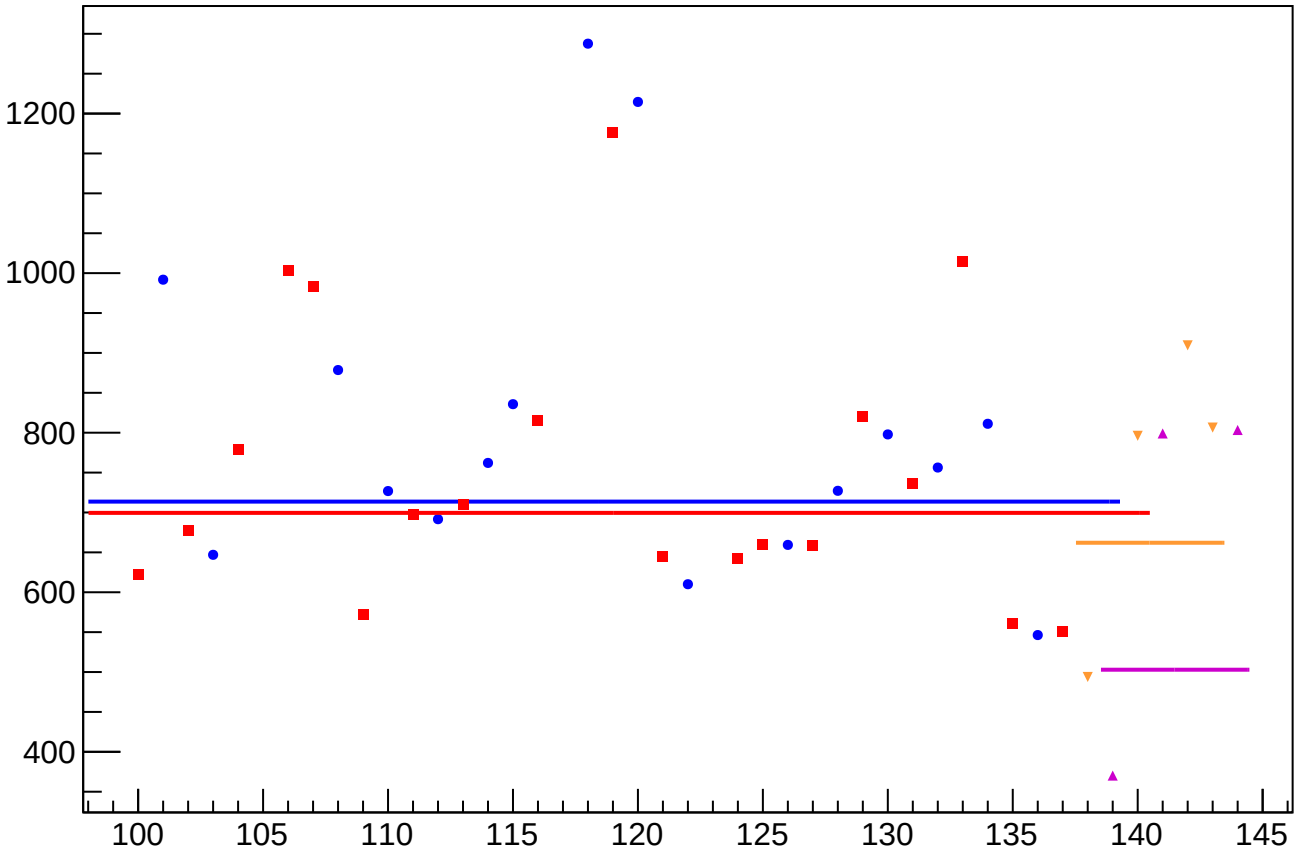
Left: -0.137+/-0.260 χ^2/NDF: 2.9/6

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.035+/-0.212 χ^2/NDF:9.0/18

Out: -0.053+/-0.222 χ^2/NDF:27.6/22

All: -0.007+/-0.153 χ^2/NDF: 36.7/41



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 662.059+/-0.290 χ^2/NDF:325665.7/3

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 502.914+/-0.237 χ^2/NDF:703366.8/2

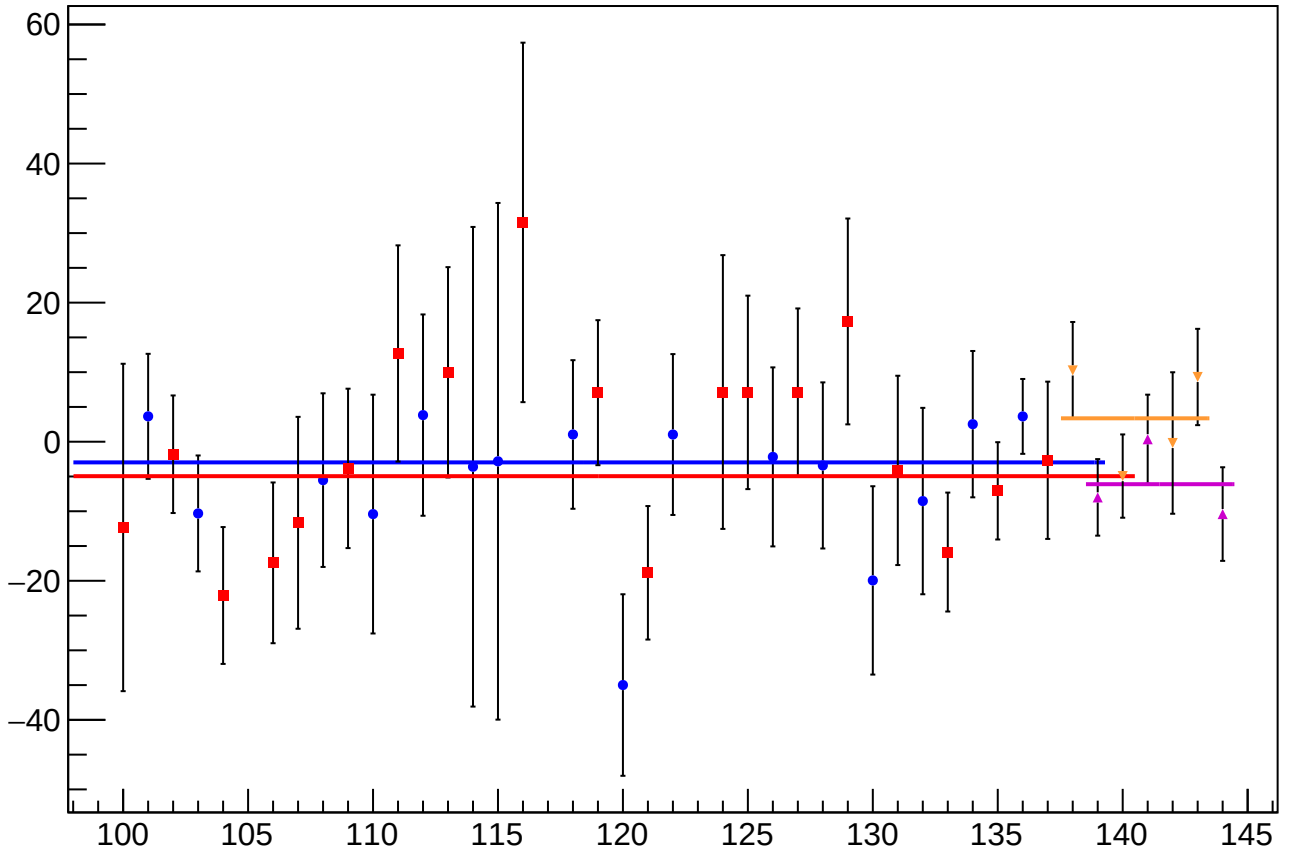
Left: 566.668+/-0.184 χ^2/NDF: 1209314.3/6

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 629.627+/-0.150 χ^2/NDF:1877090.6/18

Out: 688.589+/-0.157 χ^2/NDF:913222.7/22

All: 657.786+/-0.108 χ^2/NDF: 2864316.4/41



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.364+/-3.558 χ^2/NDF:3.8/3

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -6.109+/-3.548 χ^2/NDF:1.5/2

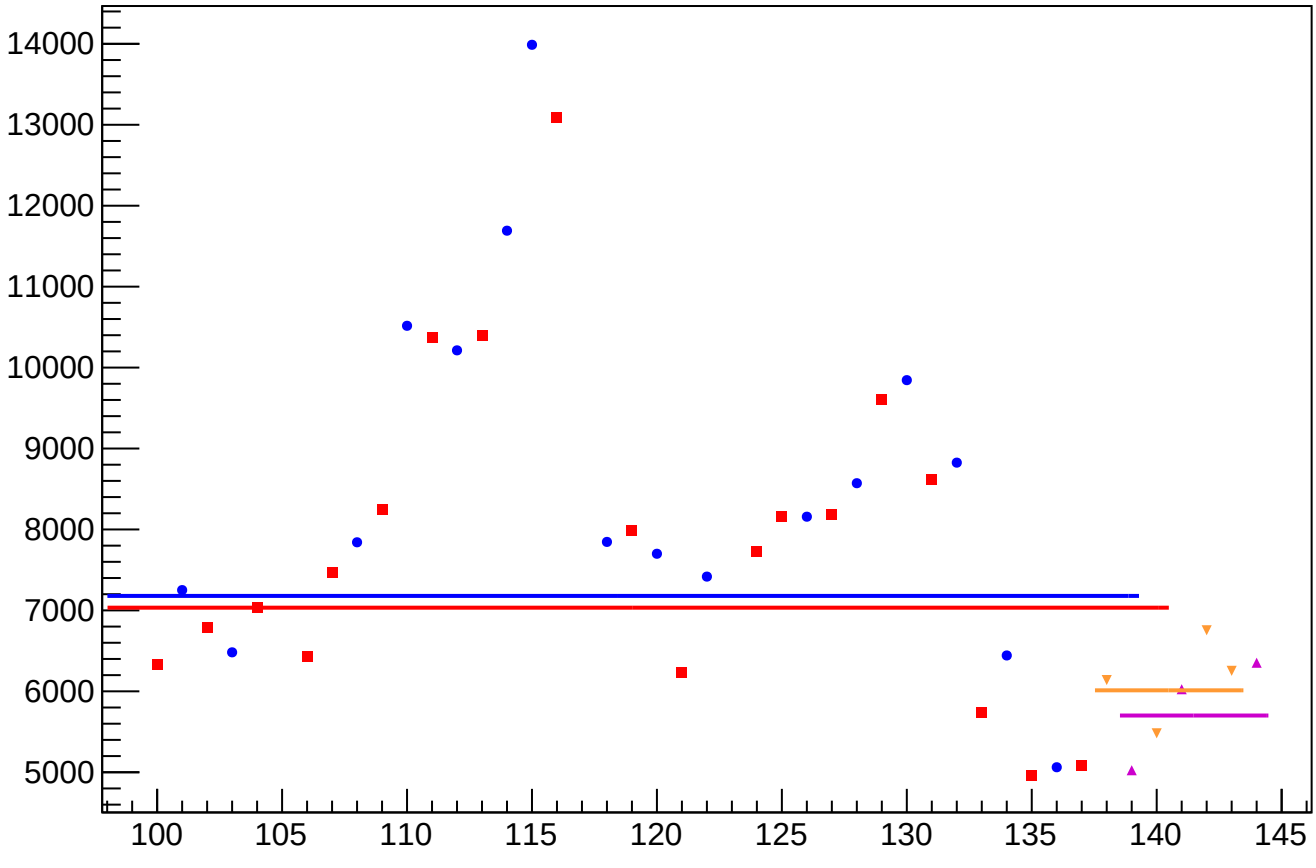
Left: -1.386+/-2.512 χ^2/NDF: 8.9/6

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -4.148+/-2.172 χ^2/NDF:13.6/18

Out: -1.983+/-2.127 χ^2/NDF:25.7/22

All: -3.043+/-1.520 χ^2/NDF: 39.9/41



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6012.291+/-2.516 χ^2/NDF:29439.3/3

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5701.030+/-2.509 χ^2/NDF:54088.6/2

Left: 5856.231+/-1.777 χ^2/NDF: 91201.7/6

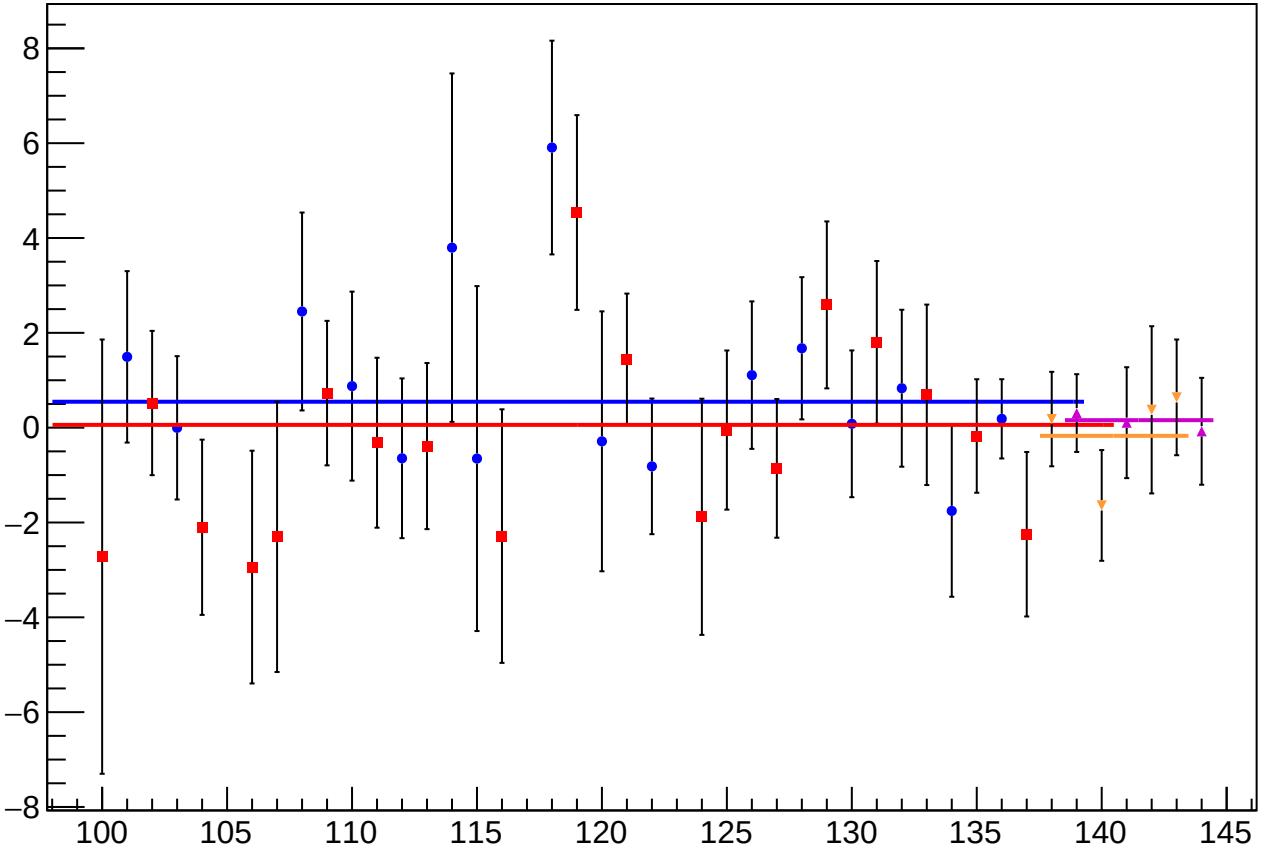
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6625.329+/-1.536 χ^2/NDF:1033019.8/18

Out: 6668.602+/-1.504 χ^2/NDF:901714.8/22

All: 6647.415+/-1.074 χ^2/NDF: 1935139.8/41

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.172+/-0.605 χ^2/NDF:2.2/3

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.158+/-0.577 χ^2/NDF:0.1/2

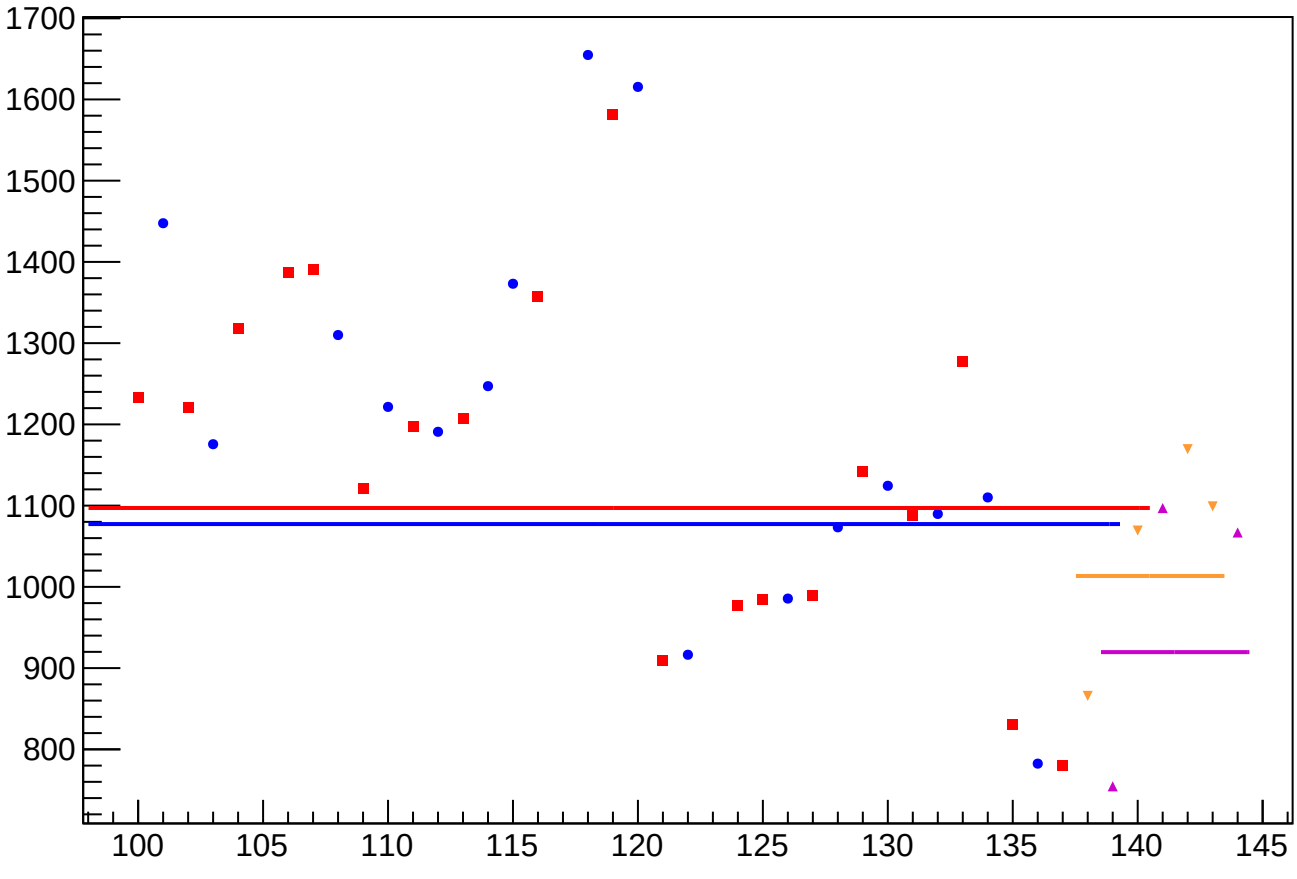
Left: 0.001+/-0.417 χ^2/NDF: 2.5/6

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.416+/-0.335 χ^2/NDF:12.3/18

Out: -0.013+/-0.339 χ^2/NDF:19.2/22

All: 0.204+/-0.238 χ^2/NDF: 32.3/41



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1013.401+/-0.428 χ^2/NDF:74016.7/3

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 919.683+/-0.408 χ^2/NDF:161333.9/2

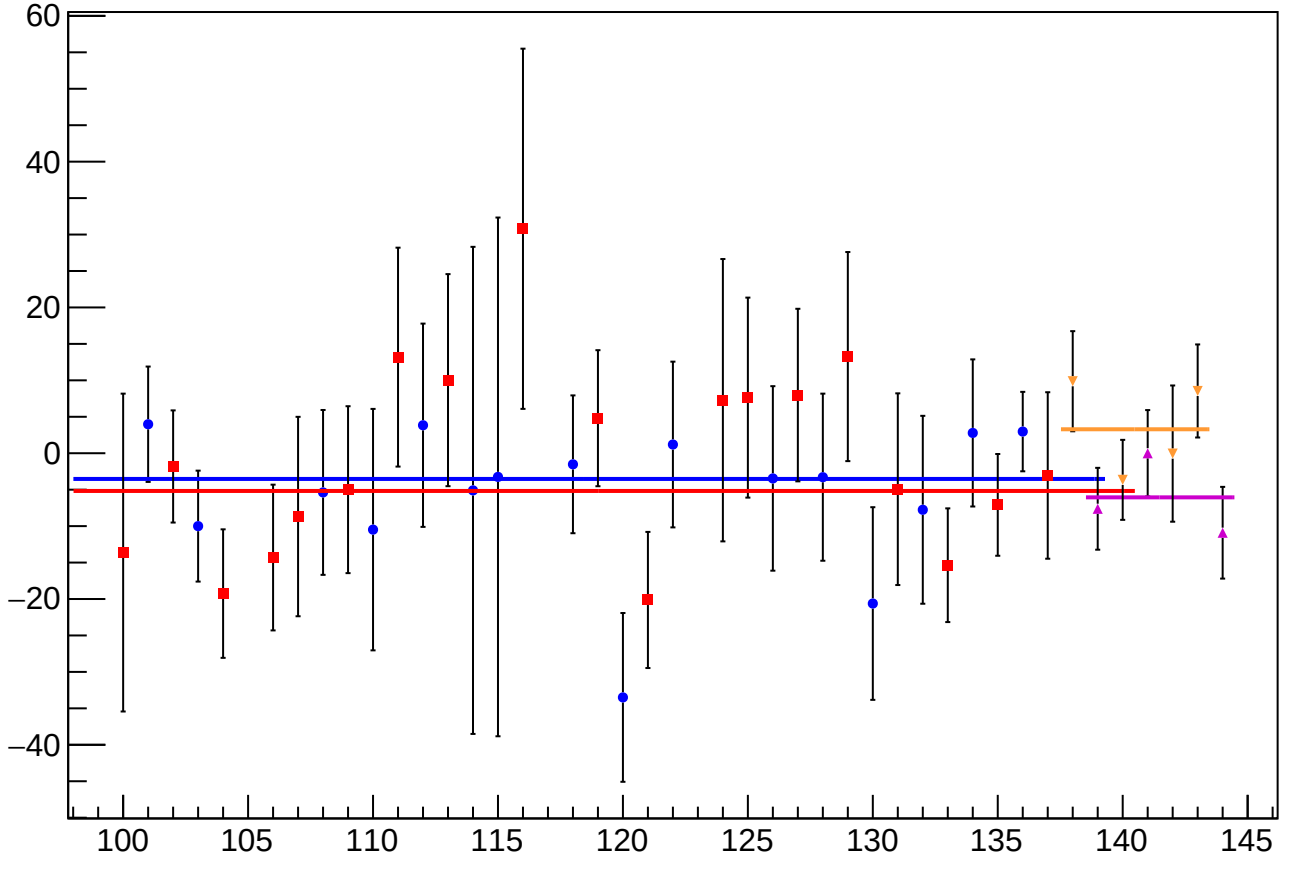
Left: 964.326+/-0.295 χ^2/NDF: 260501.8/6

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1024.247+/-0.237 χ^2/NDF:906934.0/18

Out: 1070.850+/-0.240 χ^2/NDF:584685.2/22

All: 1047.268+/-0.168 χ^2/NDF: 1510778.6/41



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.286+/-3.326 χ^2/NDF:3.3/3

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -6.054+/-3.421 χ^2/NDF:1.7/2

Left: -1.253+/-2.385 χ^2/NDF: 8.9/6

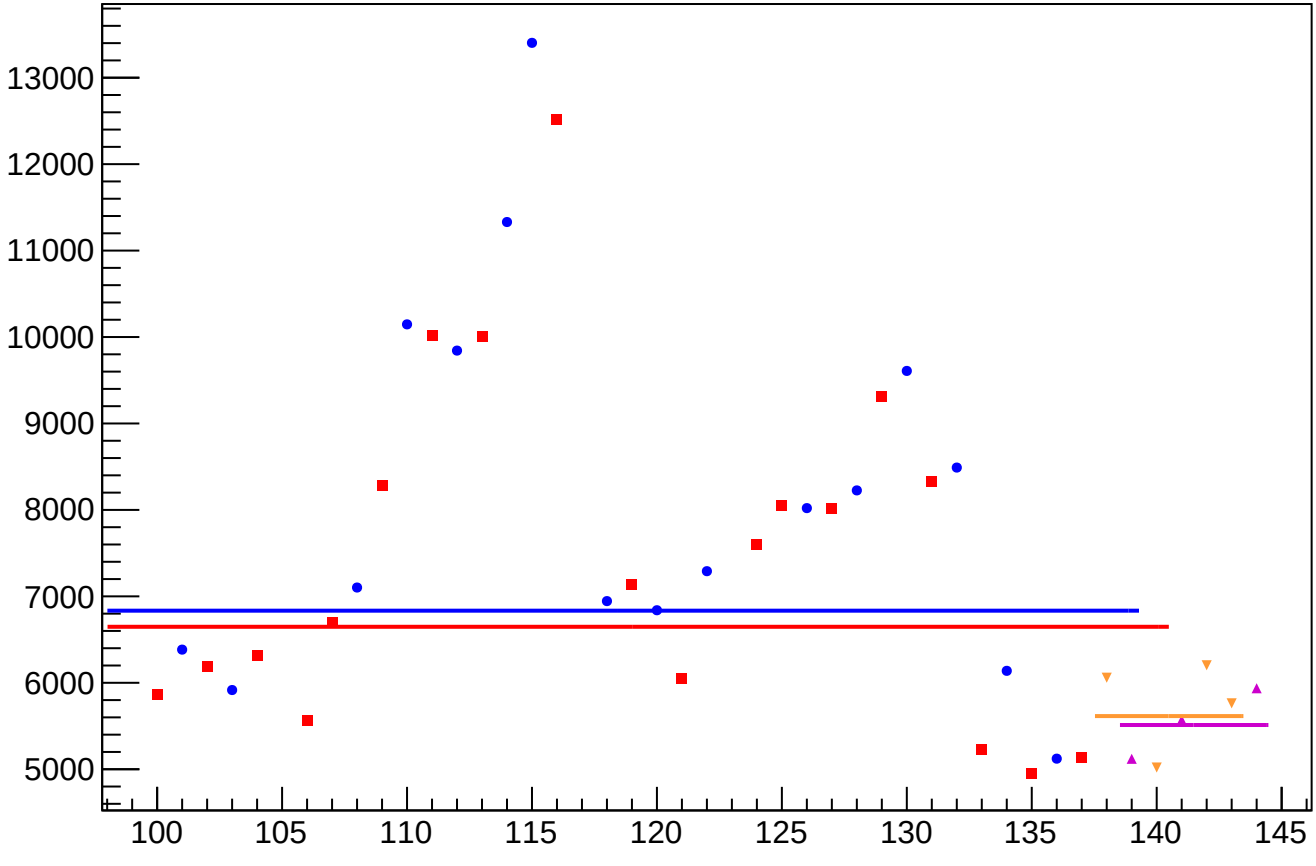
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -4.456+/-2.074 χ^2/NDF:14.7/18

Out: -2.109+/-2.002 χ^2/NDF:25.6/22

All: -3.241+/-1.441 χ^2/NDF: 41.0/41

diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5614.918+/-2.352 χ^2/NDF:40856.1/3

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5511.755+/-2.419 χ^2/NDF:19013.8/2

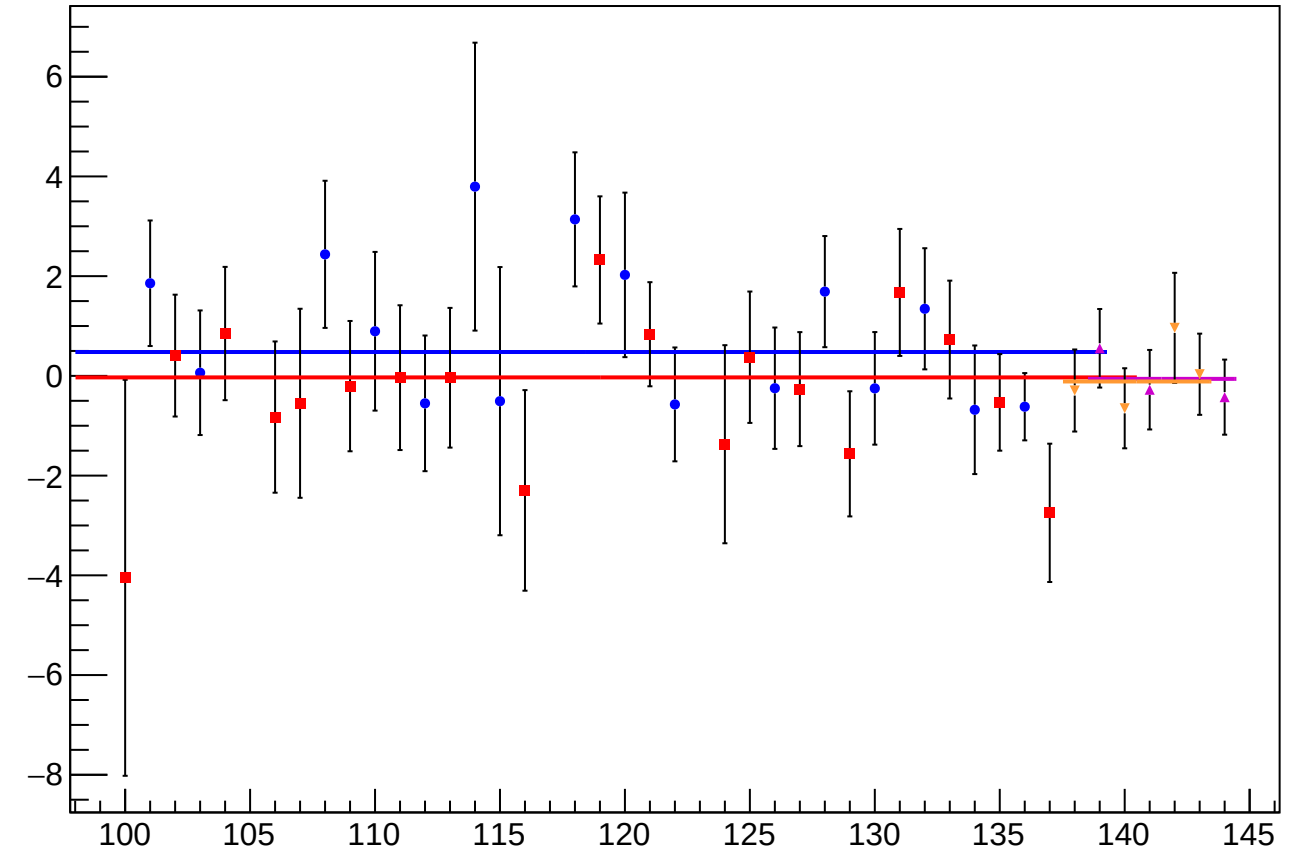
Left: 5564.786+/-1.686 χ^2/NDF: 60804.9/6

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6348.146+/-1.467 χ^2/NDF:900798.4/18

Out: 6273.527+/-1.416 χ^2/NDF:948968.3/22

All: 6309.526+/-1.019 χ^2/NDF: 1851106.5/41



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.112+/-0.432 χ^2/NDF:1.5/3

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.060+/-0.450 χ^2/NDF:0.9/2

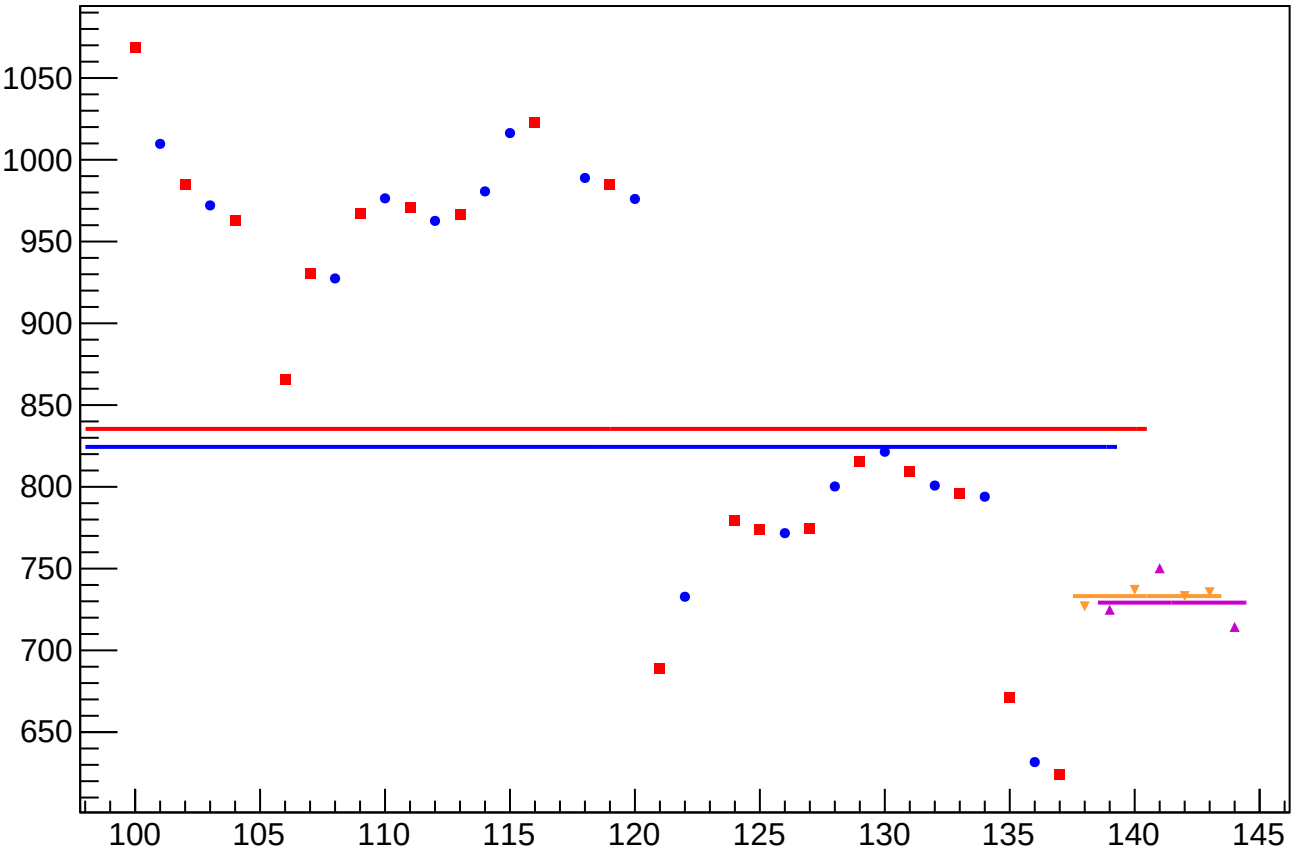
Left: -0.087+/-0.312 χ^2/NDF: 2.4/6

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.305+/-0.256 χ^2/NDF:18.6/18

Out: -0.058+/-0.251 χ^2/NDF:17.2/22

All: 0.120+/-0.179 χ^2/NDF: 36.8/41



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 733.201+/-0.306 χ^2/NDF:178.2/3

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 729.192+/-0.318 χ^2/NDF:2230.2/2

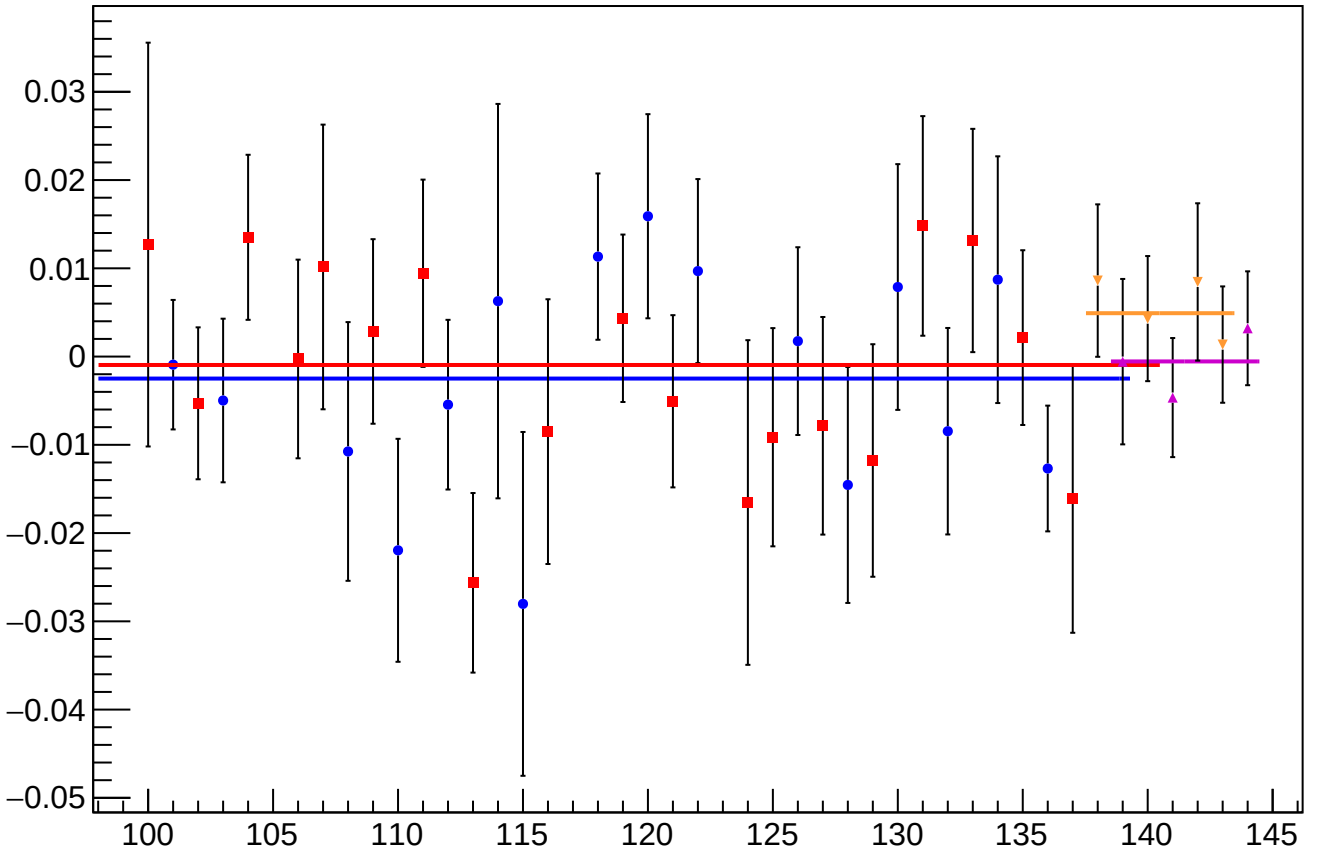
Left: 731.276+/-0.220 χ^2/NDF: 2491.1/6

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 793.633+/-0.181 χ^2/NDF:428424.3/18

Out: 800.907+/-0.178 χ^2/NDF:393645.7/22

All: 797.335+/-0.127 χ^2/NDF: 822894.1/41



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.004 χ^2/NDF:0.6/3

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.004 χ^2/NDF:0.7/2

Left: 0.002+/-0.003 χ^2/NDF: 2.3/6

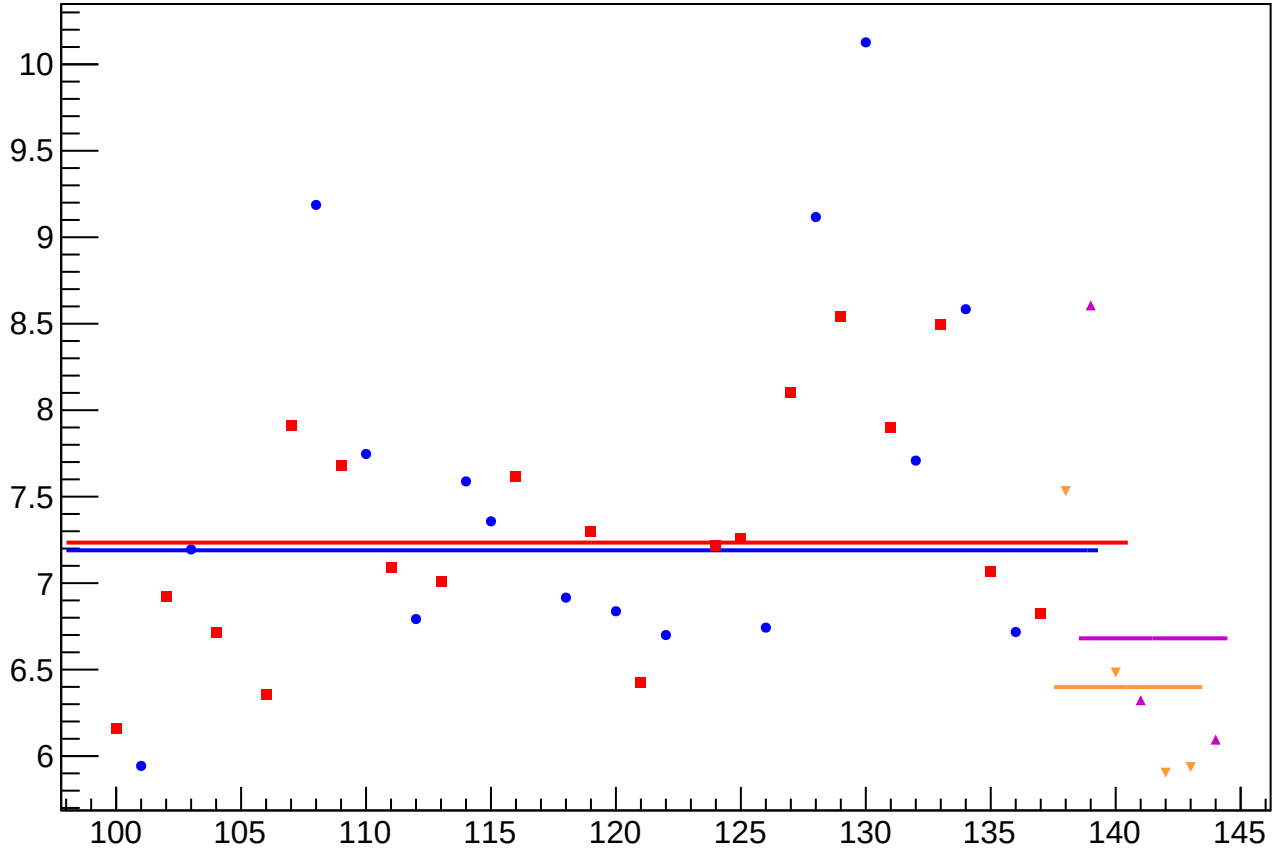
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.002+/-0.002 χ^2/NDF:16.2/18

Out: 0.001+/-0.002 χ^2/NDF:19.5/22

All: -0.000+/-0.002 χ^2/NDF: 36.5/41

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.399+/-0.003 χ^2/NDF:50707.5/3

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.681+/-0.003 χ^2/NDF:106498.0/2

Left: 6.527+/-0.002 χ^2/NDF: 162185.7/6

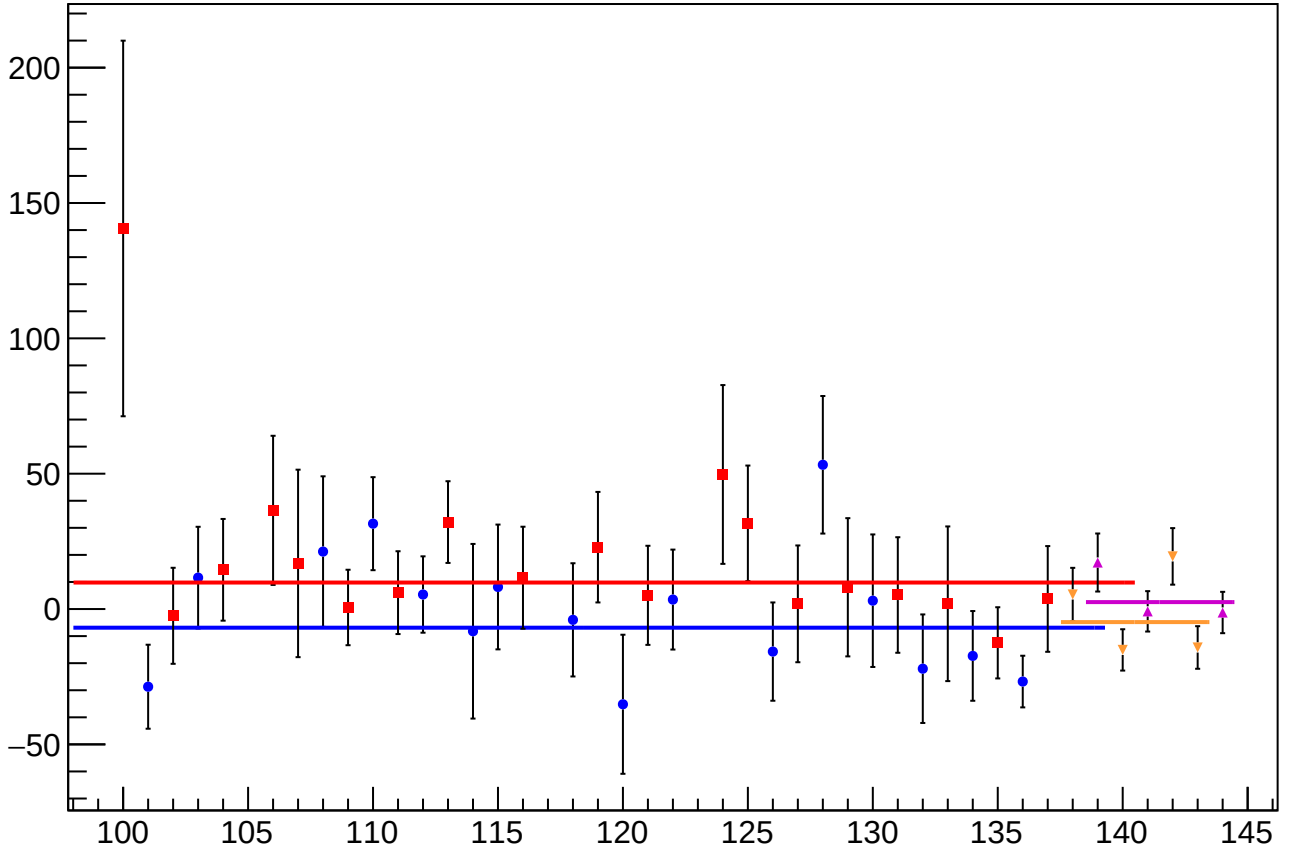
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.039+/-0.002 χ^2/NDF:405057.9/18

Out: 6.961+/-0.002 χ^2/NDF:221682.3/22

All: 6.998+/-0.001 χ^2/NDF: 627976.4/41

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -4.821+/-4.351 χ^2/NDF:9.7/3

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 2.563+/-4.778 χ^2/NDF:2.3/2

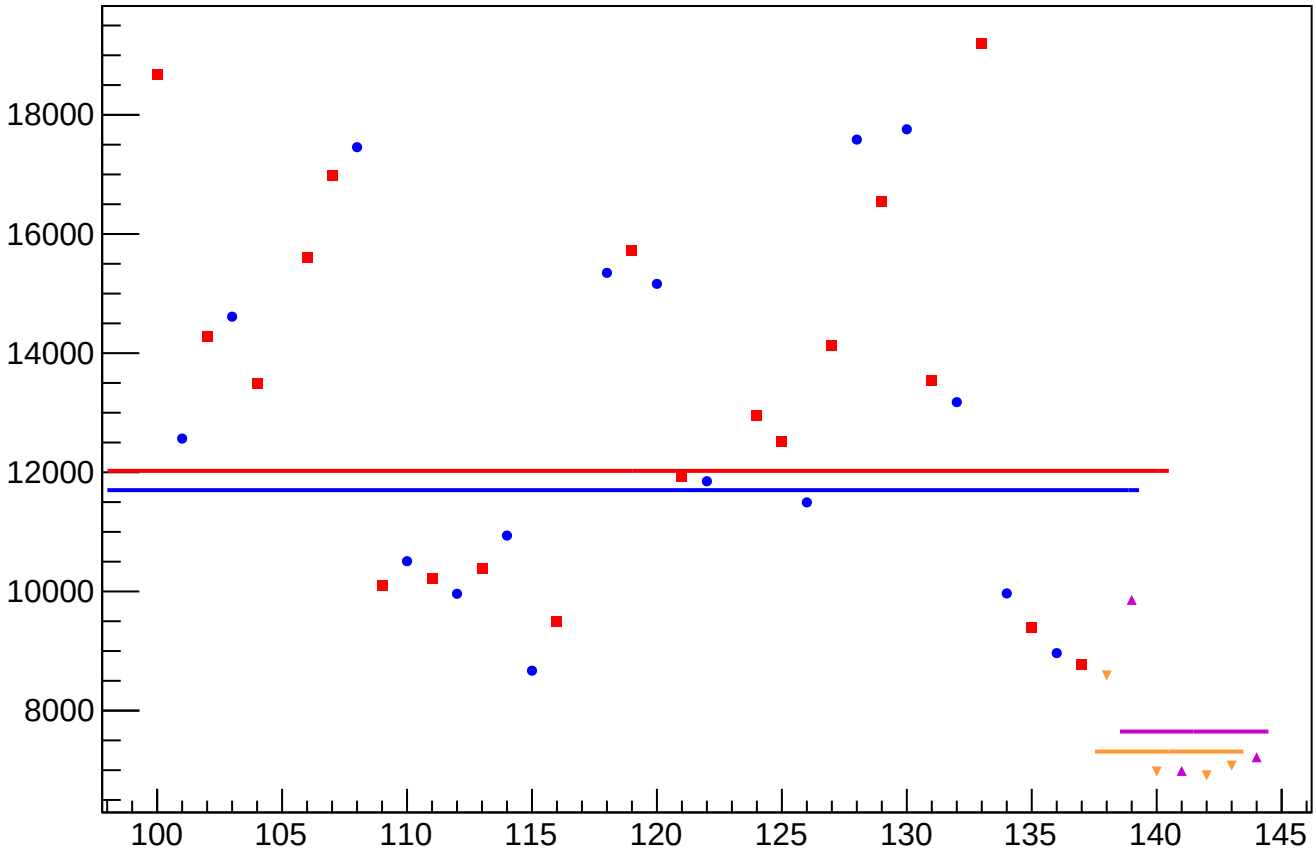
Left: -1.474+/-3.217 χ^2/NDF: 13.3/6

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.459+/-3.271 χ^2/NDF:27.4/18

Out: 2.211+/-3.134 χ^2/NDF:29.1/22

All: -0.024+/-2.263 χ^2/NDF: 57.6/41



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7311.725+/-3.077 χ^2/NDF:42291.0/3

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 7648.409+/-3.379 χ^2/NDF:107058.6/2

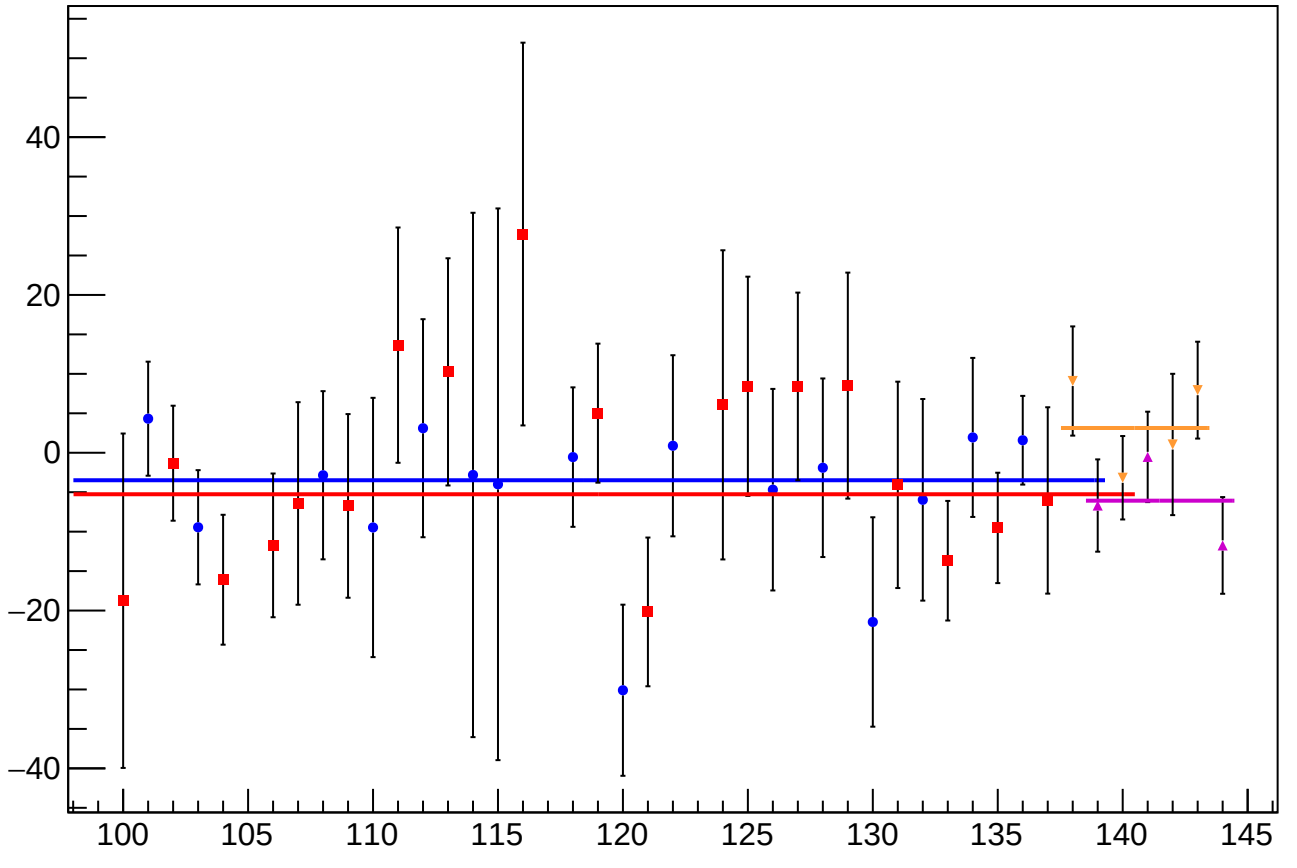
Left: 7464.358+/-2.275 χ^2/NDF: 154777.9/6

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9801.139+/-2.313 χ^2/NDF:1611406.1/18

Out: 9579.777+/-2.216 χ^2/NDF:1856101.3/22

All: 9685.708+/-1.600 χ^2/NDF: 3472282.5/41



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.137+/-3.233 χ^2/NDF:2.8/3

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -6.074+/-3.403 χ^2/NDF:1.8/2

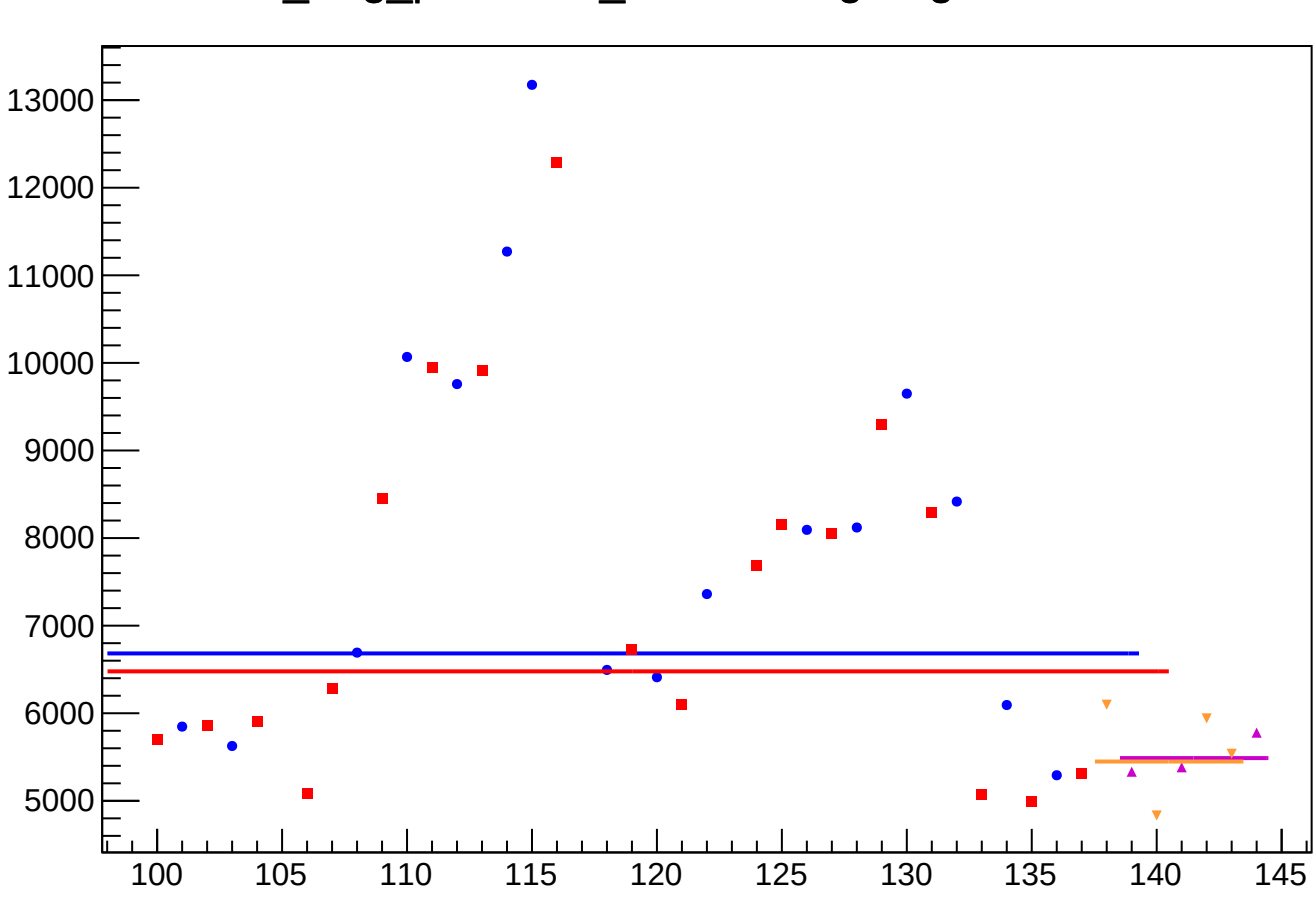
Left: -1.232+/-2.344 χ^2/NDF: 8.5/6

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -4.416+/-2.041 χ^2/NDF:13.7/18

Out: -2.202+/-1.951 χ^2/NDF:23.7/22

All: -3.259+/-1.410 χ^2/NDF: 38.0/41



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5448.866+/-2.286 χ^2/NDF:51179.3/3

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5487.989+/-2.407 χ^2/NDF:6576.8/2

Left: 5467.424+/-1.657 χ^2/NDF: 57895.0/6

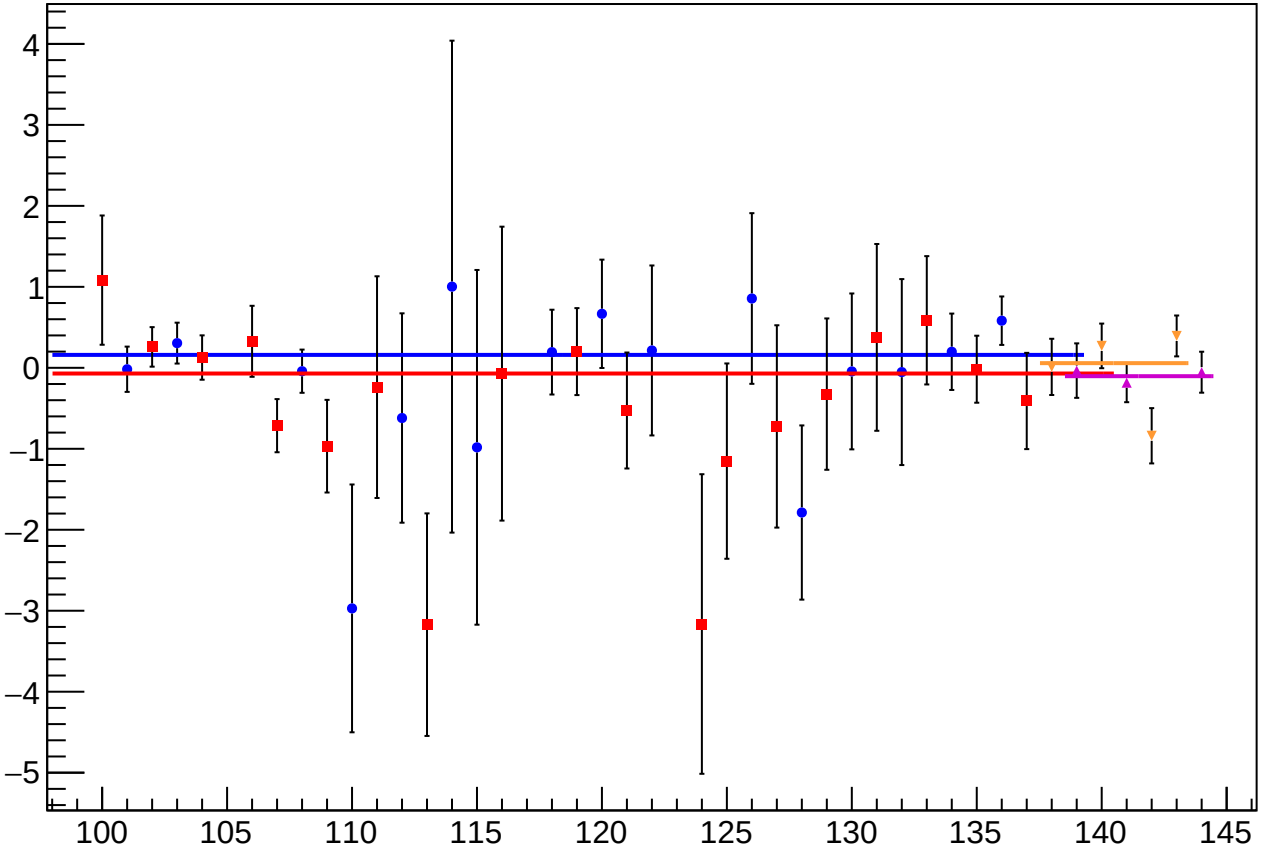
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6253.429+/-1.443 χ^2/NDF:856706.7/18

Out: 6103.392+/-1.379 χ^2/NDF:1019304.9/22

All: 6175.038+/-0.997 χ^2/NDF: 1881660.9/41

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.058+/-0.148 χ^2/NDF:9.3/3

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.103+/-0.155 χ^2/NDF:0.2/2

Left: -0.019+/-0.107 χ^2/NDF: 10.0/6

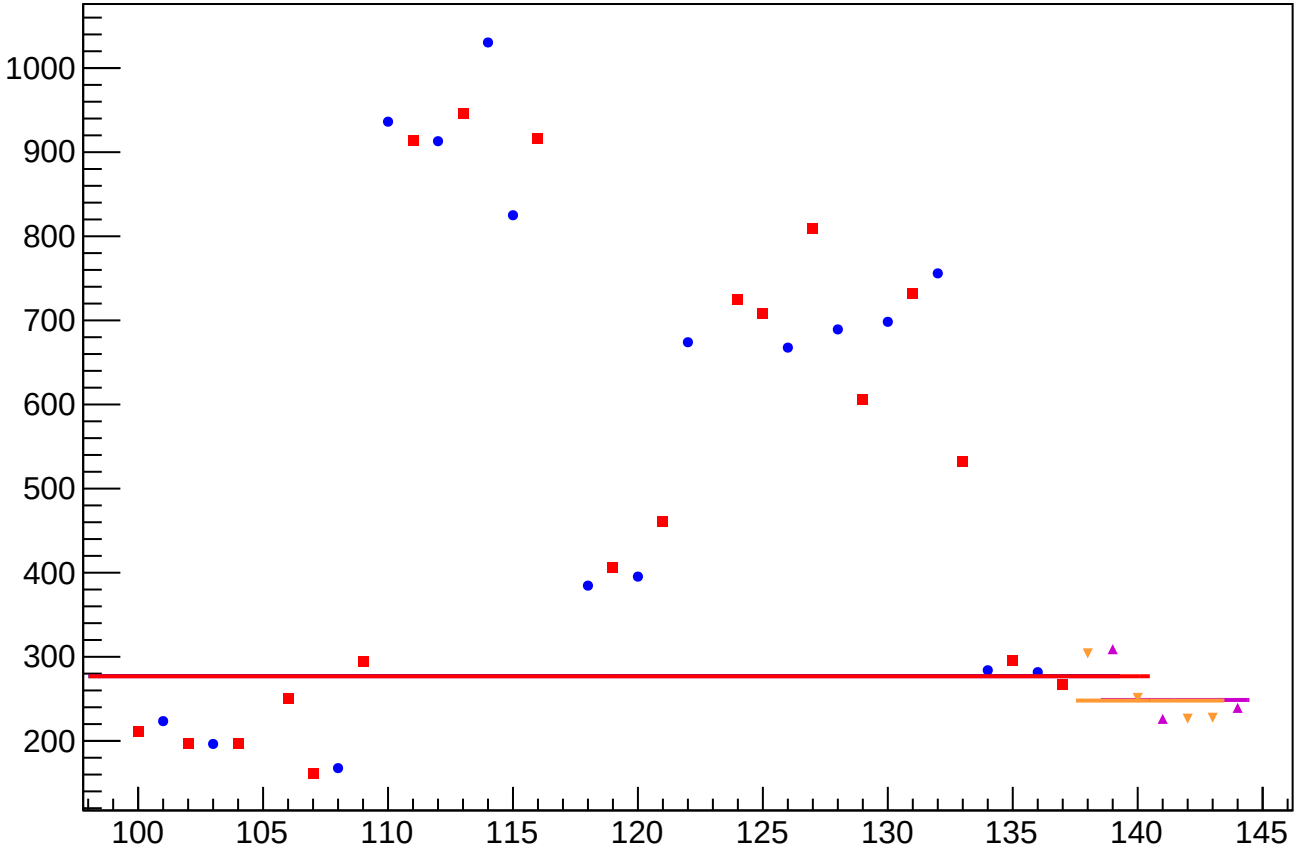
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.061+/-0.095 χ^2/NDF:14.6/18

Out: -0.020+/-0.093 χ^2/NDF:32.2/22

All: 0.020+/-0.066 χ^2/NDF: 47.1/41

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 247.984+/-0.105 χ^2/NDF:73566.6/3

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 248.712+/-0.110 χ^2/NDF:84547.5/2

Left: 248.331+/-0.076 χ^2/NDF: 158137.2/6

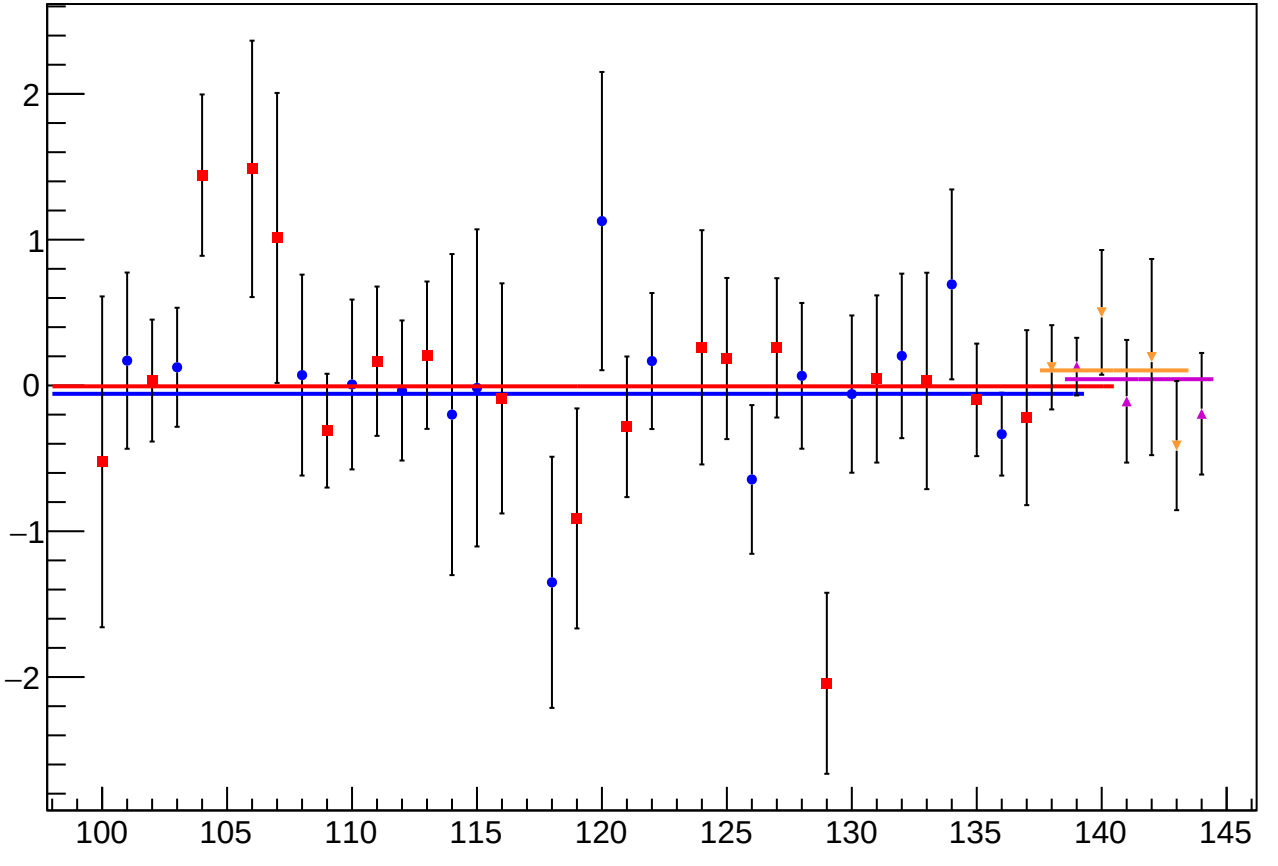
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 266.453+/-0.067 χ^2/NDF:3576904.4/18

Out: 265.431+/-0.066 χ^2/NDF:3691288.4/22

All: 265.933+/-0.047 χ^2/NDF: 7268311.2/41

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.103+/-0.201 χ^2/NDF:2.2/3

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.043+/-0.164 χ^2/NDF:0.6/2

Left: 0.067+/-0.127 χ^2/NDF: 2.9/6

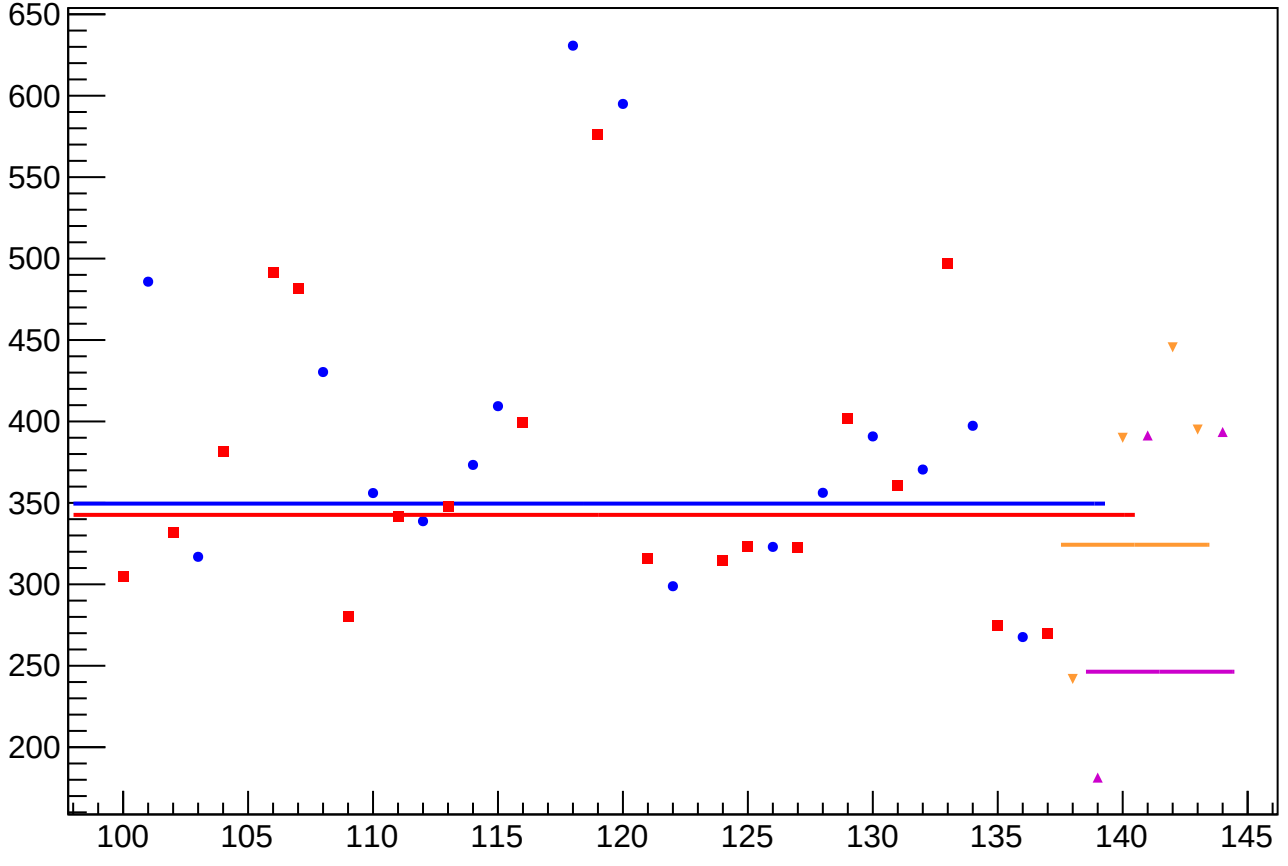
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.017+/-0.104 χ^2/NDF:9.0/18

Out: 0.026+/-0.109 χ^2/NDF:27.6/22

All: 0.003+/-0.075 χ^2/NDF: 36.7/41

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 324.300+/-0.142 χ^2/NDF:325665.7/3

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 246.345+/-0.116 χ^2/NDF:703366.8/2

Left: 277.574+/-0.090 χ^2/NDF: 1209314.3/6

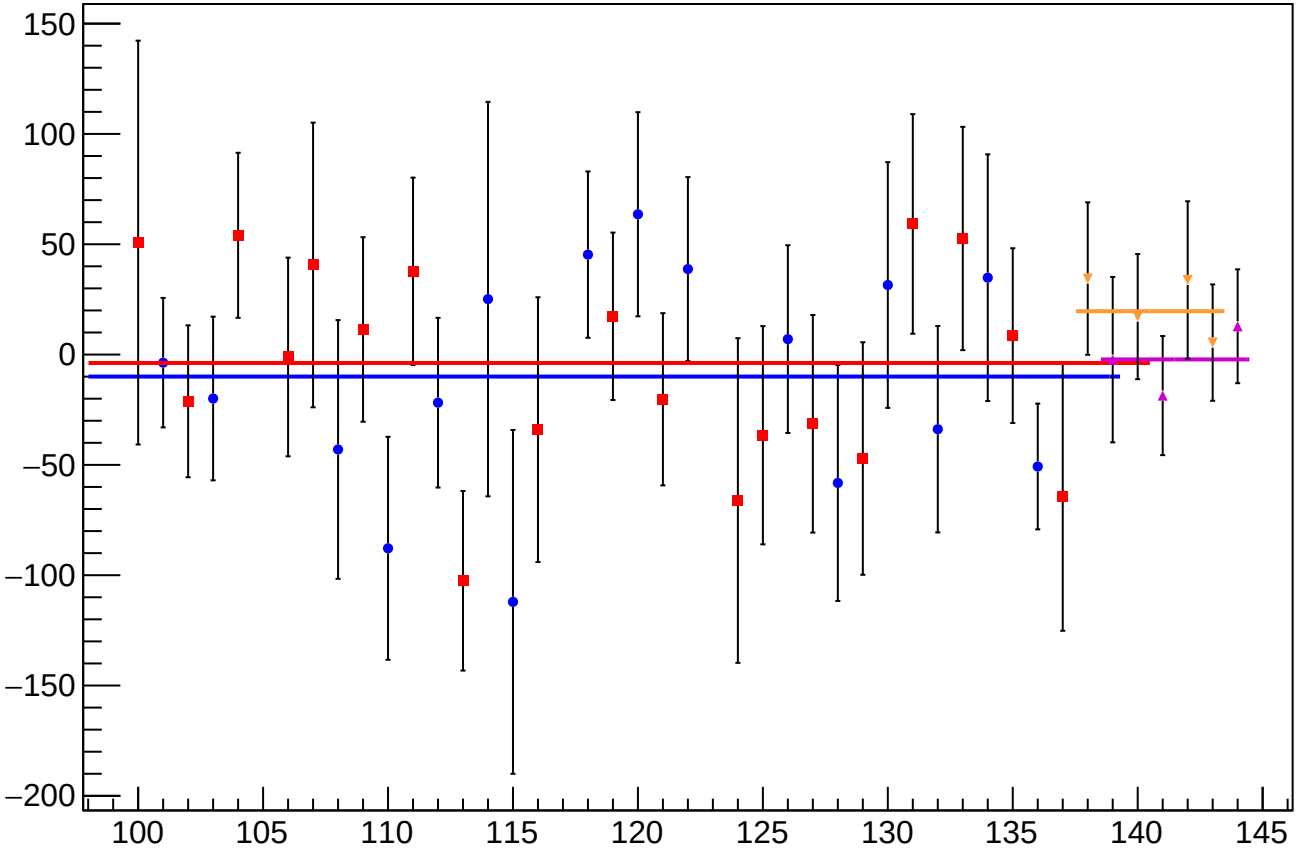
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 308.414+/-0.073 χ^2/NDF:1877090.6/18

Out: 337.296+/-0.077 χ^2/NDF:913222.7/22

All: 322.207+/-0.053 χ^2/NDF: 2864316.4/41

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.204+/-16.699 χ^2/NDF:0.7/2

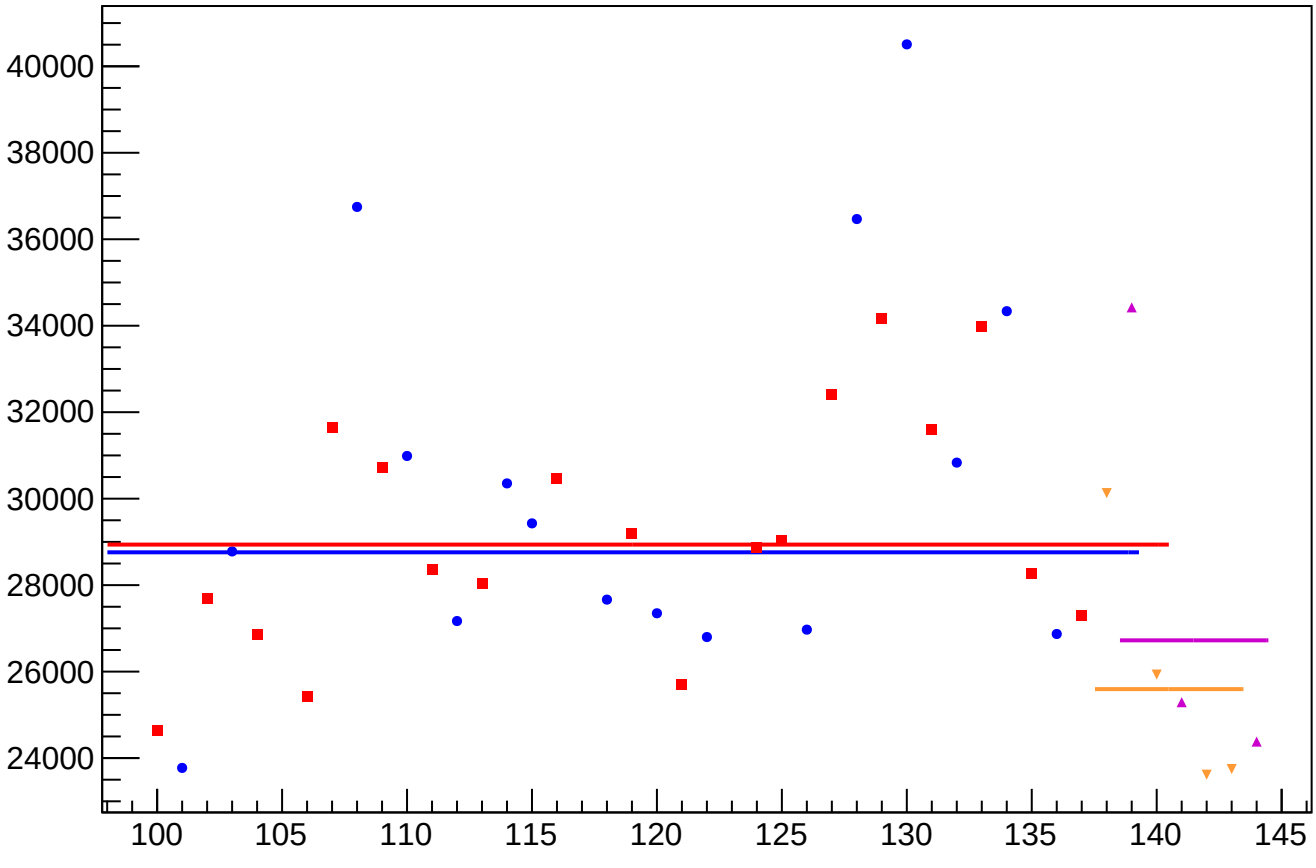
Left: 9.726+/-11.256 χ^2/NDF: 2.3/6

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -7.668+/-9.090 χ^2/NDF:16.2/18

Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -1.657+/-6.293 χ^2/NDF: 36.5/41



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25595.044+/-10.775 χ^2/NDF:50707.5/3

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26723.126+/-11.808 χ^2/NDF:106498.0/2

Left: 26107.586+/-7.959 χ^2/NDF: 162185.7/6

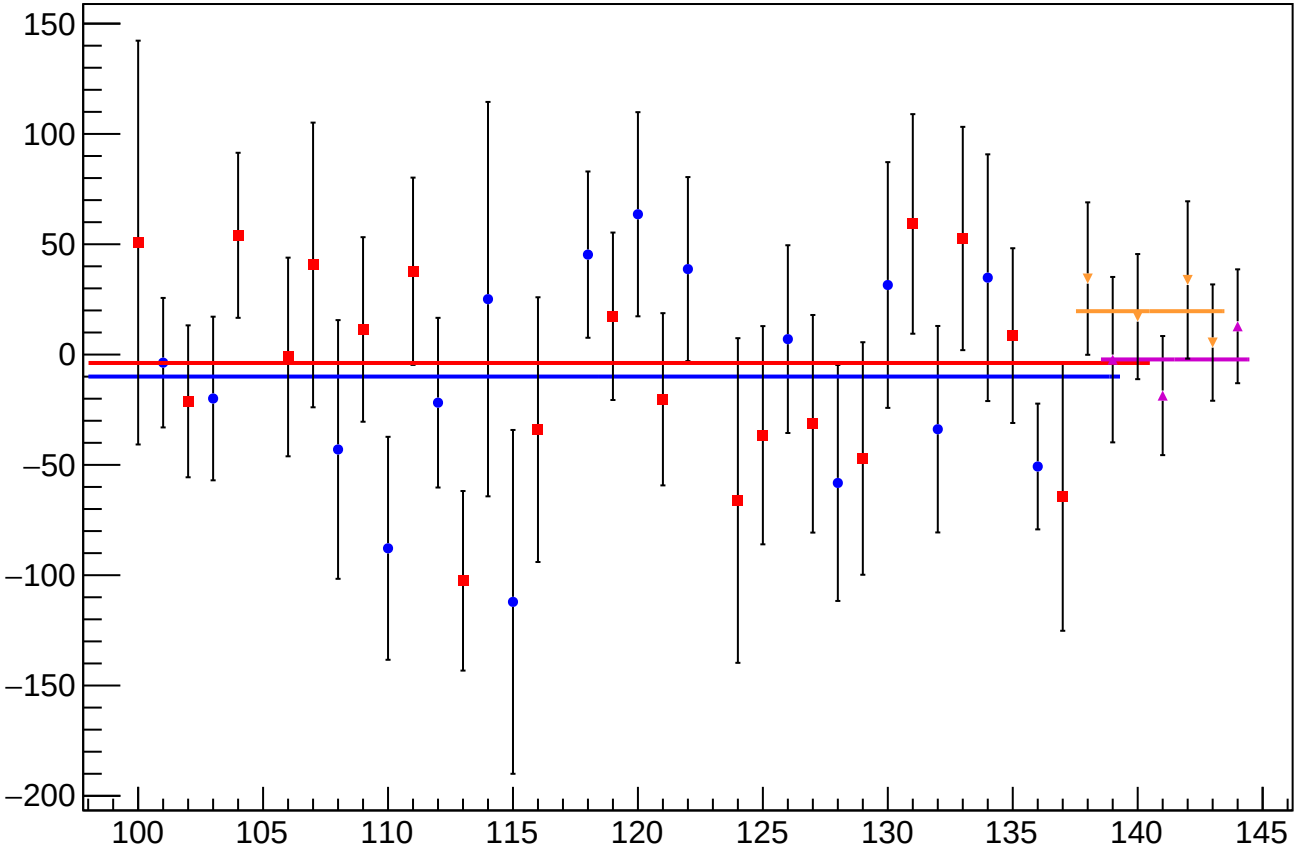
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28155.806+/-6.428 χ^2/NDF:405057.9/18

Out: 27842.605+/-6.167 χ^2/NDF:221682.3/22

All: 27992.730+/-4.450 χ^2/NDF: 627976.4/41

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.204+/-16.699 χ^2/NDF:0.7/2

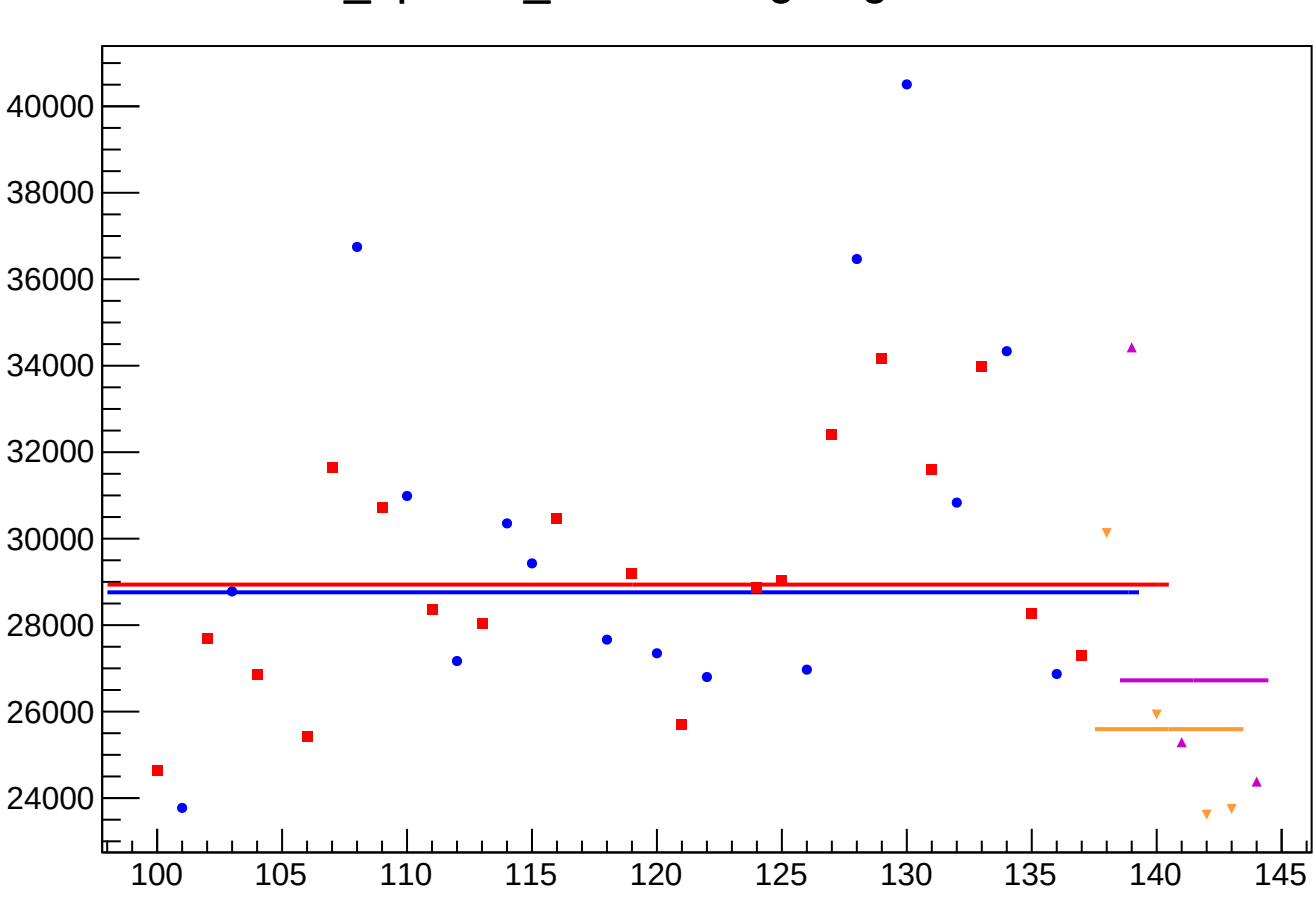
Left: 9.726+/-11.256 χ^2/NDF: 2.3/6

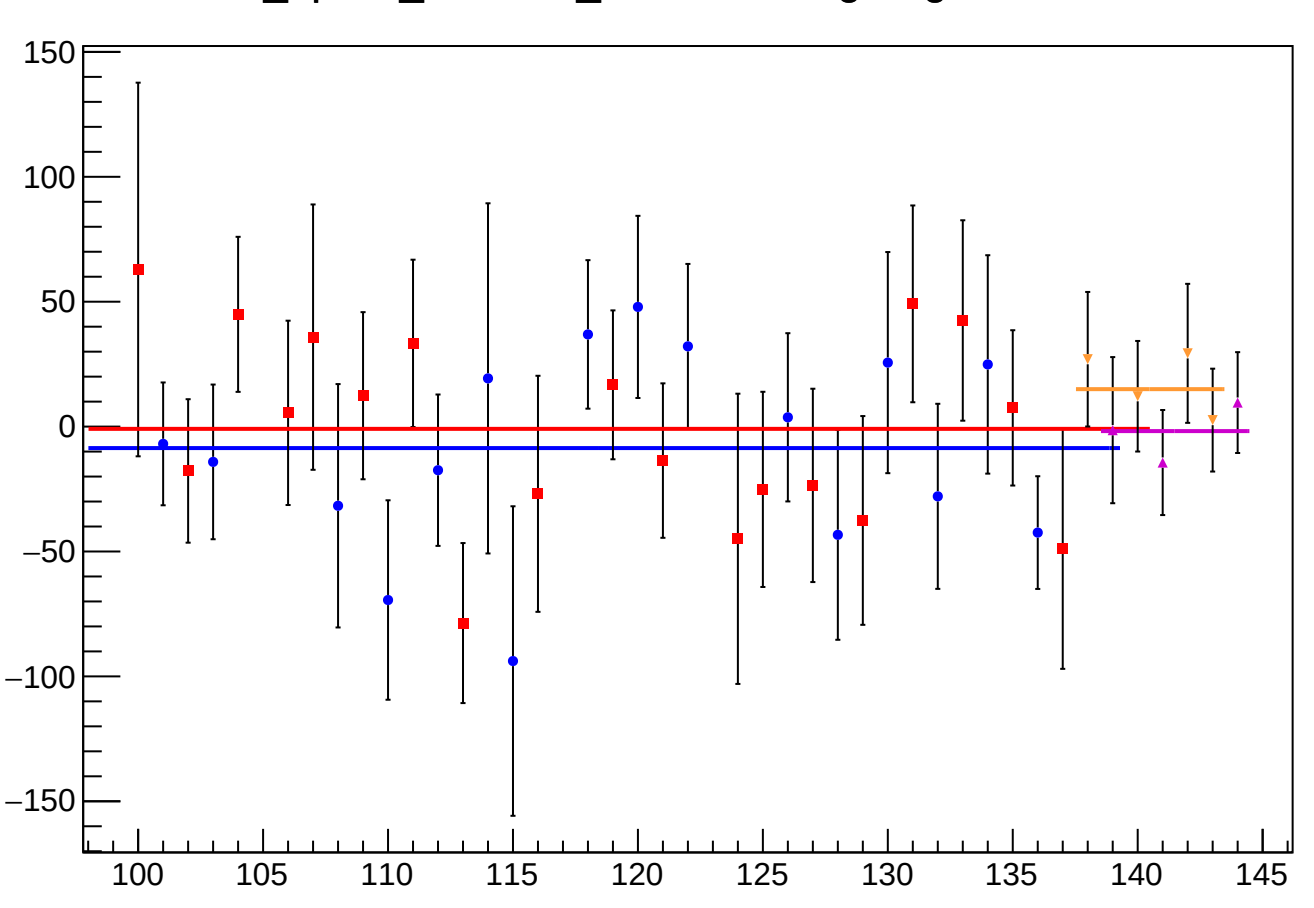
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -7.668+/-9.090 χ^2/NDF:16.2/18

Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -1.657+/-6.293 χ^2/NDF: 36.5/41


diff_bpmEX_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
140
145
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25595.044+/-10.775 χ²/NDF:50707.5/3
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 26723.126+/-11.808 χ²/NDF:106498.0/2
Left: 26107.586+/-7.959 χ²/NDF: 162185.7/6
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28155.806+/-6.428 χ²/NDF:405057.9/18
Out: 27842.605+/-6.167 χ²/NDF:221682.3/22
All: 27992.730+/-4.450 χ²/NDF: 627976.4/41



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 14.992+/-11.893 χ^2/NDF:0.8/3

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -1.803+/-13.036 χ^2/NDF:0.7/2

Left: 7.363+/-8.786 χ^2/NDF: 2.4/6

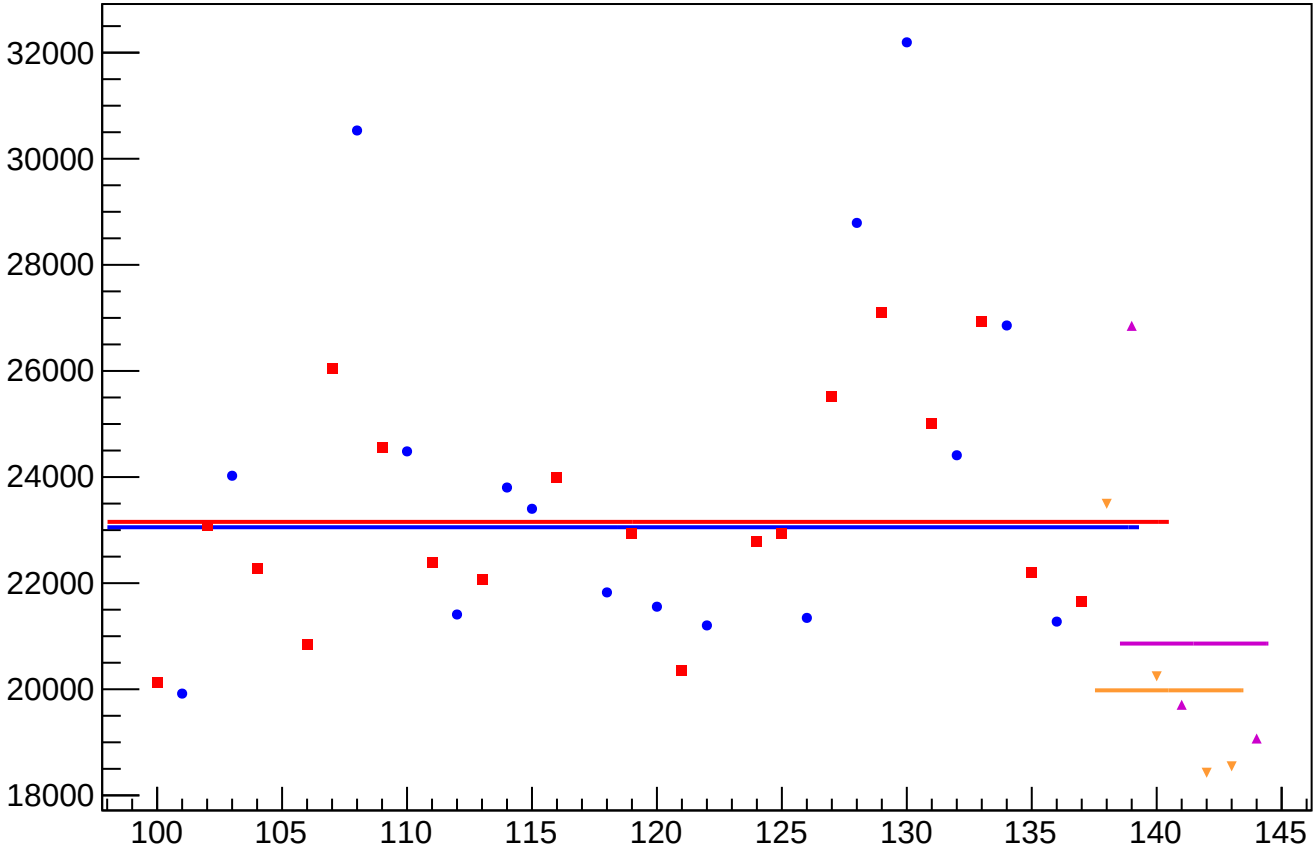
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -6.512+/-7.224 χ^2/NDF:16.4/18

Out: 4.475+/-6.919 χ^2/NDF:19.6/22

All: -0.781+/-4.997 χ^2/NDF: 37.2/41

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19979.629+/-8.410 χ^2/NDF:50286.7/3

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20861.324+/-9.218 χ^2/NDF:105583.8/2

Left: 20380.133+/-6.213 χ^2/NDF: 160863.6/6

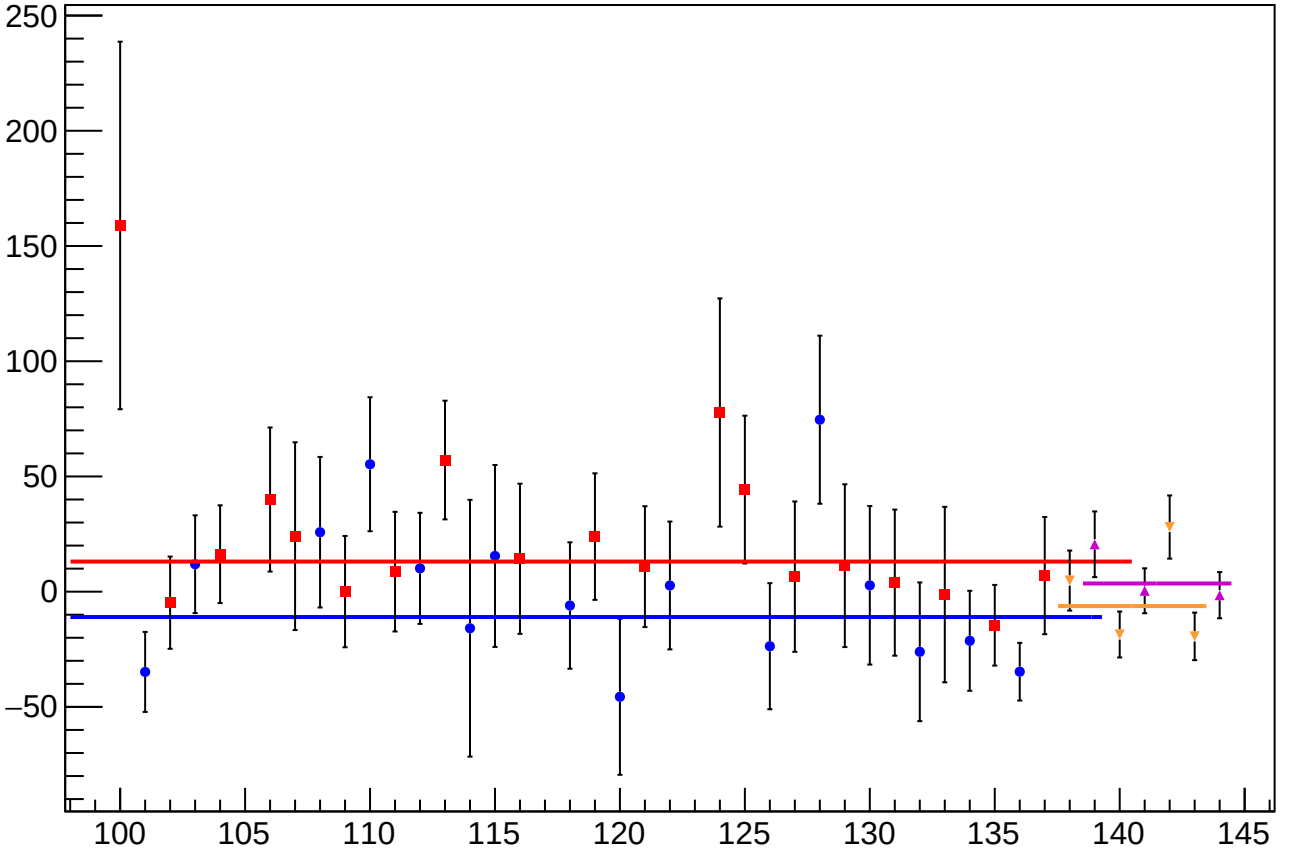
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22380.585+/-5.108 χ^2/NDF:406232.5/18

Out: 22080.587+/-4.892 χ^2/NDF:238520.6/22

All: 22224.109+/-3.533 χ^2/NDF: 646552.2/41

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -6.252+/-5.708 χ^2/NDF:10.1/3

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 3.553+/-6.275 χ^2/NDF:1.8/2

Left: -1.813+/-4.222 χ^2/NDF: 13.3/6

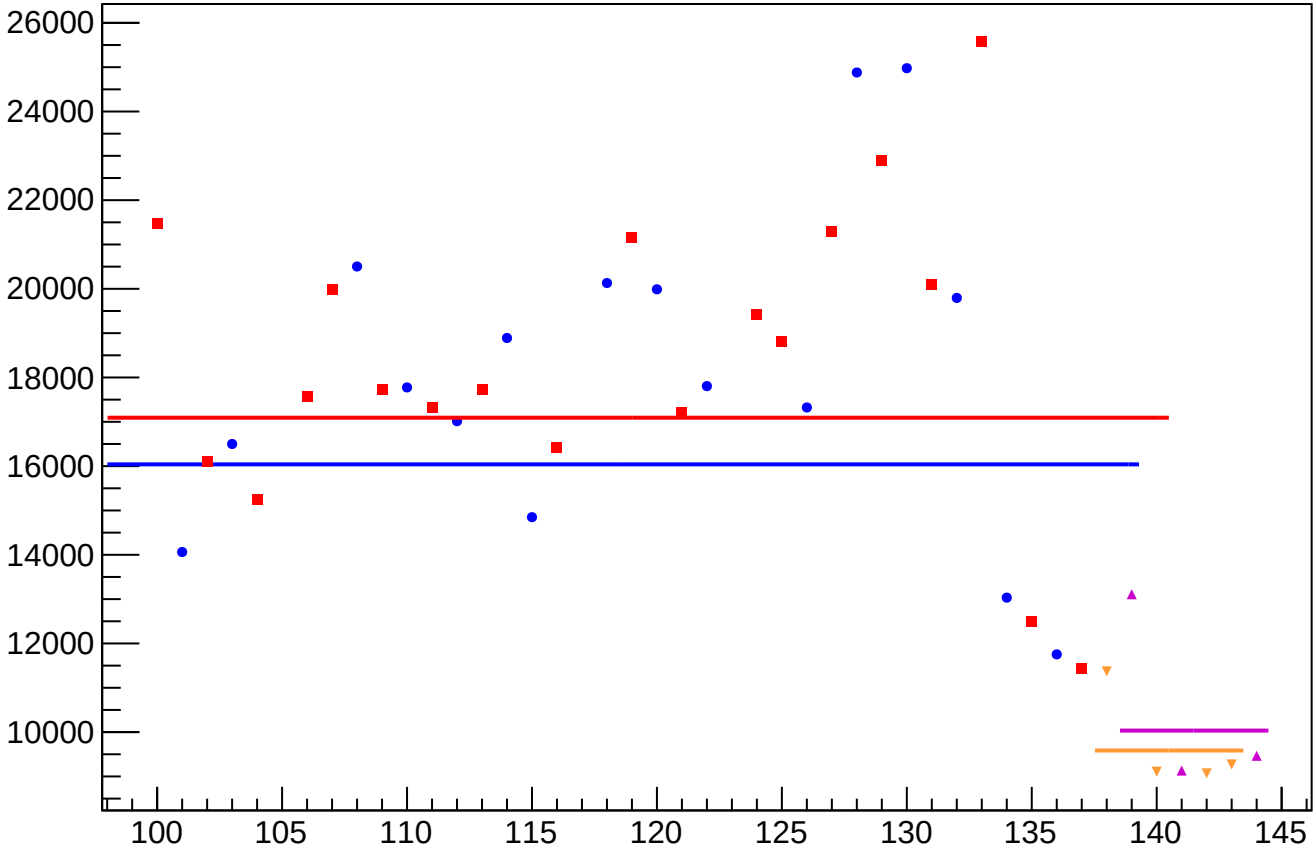
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -3.865+/-4.394 χ^2/NDF:26.6/18

Out: 2.335+/-4.255 χ^2/NDF:29.1/22

All: -0.665+/-3.057 χ^2/NDF: 56.7/41

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9584.812+/-4.036 χ^2/NDF:46857.1/3

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10034.403+/-4.437 χ^2/NDF:116646.4/2

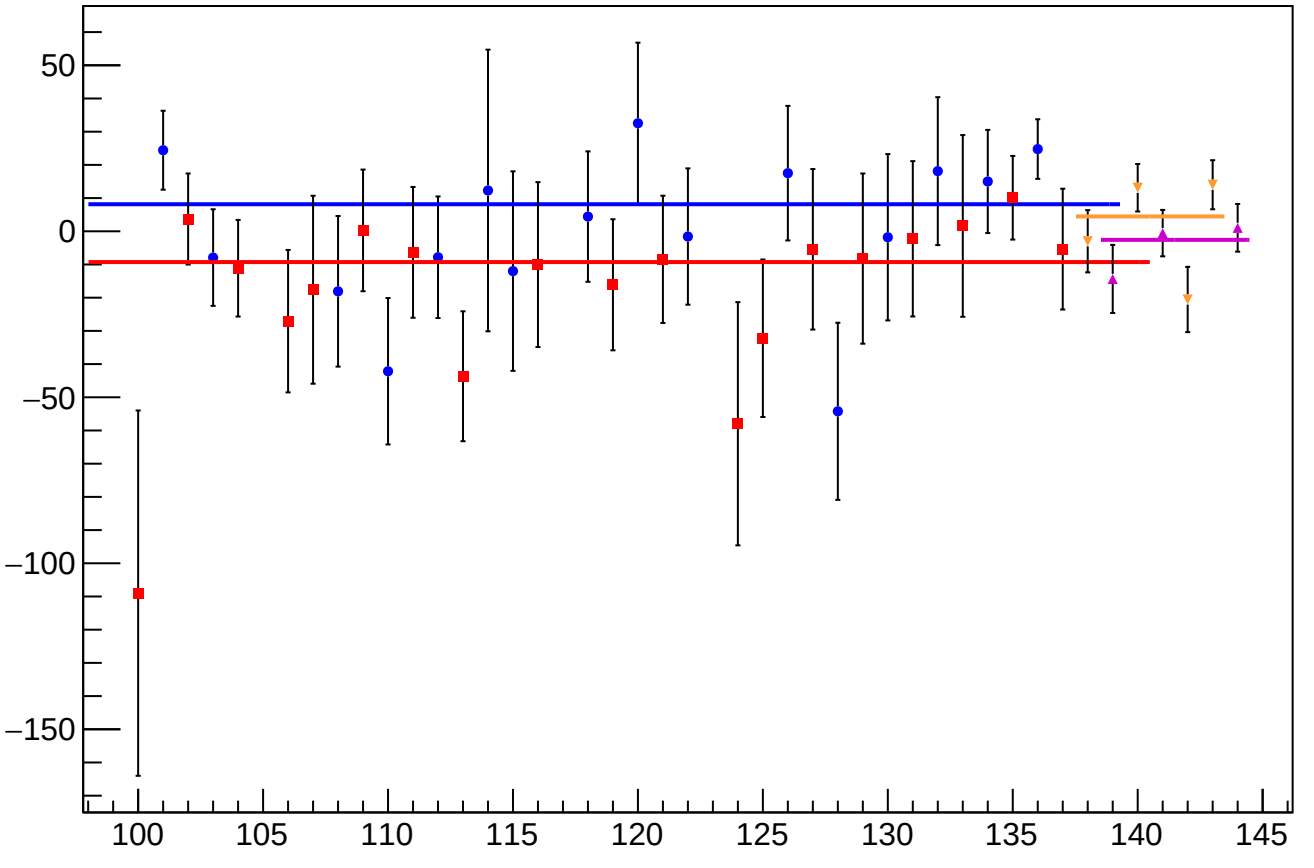
Left: 9788.380+/-2.986 χ^2/NDF: 169121.6/6

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 13095.260+/-3.107 χ^2/NDF:1773016.2/18

Out: 12921.531+/-3.008 χ^2/NDF:2120116.4/22

All: 13005.594+/-2.161 χ^2/NDF: 3894746.3/4



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 4.471+/-4.097 χ^2/NDF:10.2/3

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -2.585+/-4.502 χ^2/NDF:1.7/2

Left: 1.275+/-3.030 χ^2/NDF: 13.2/6

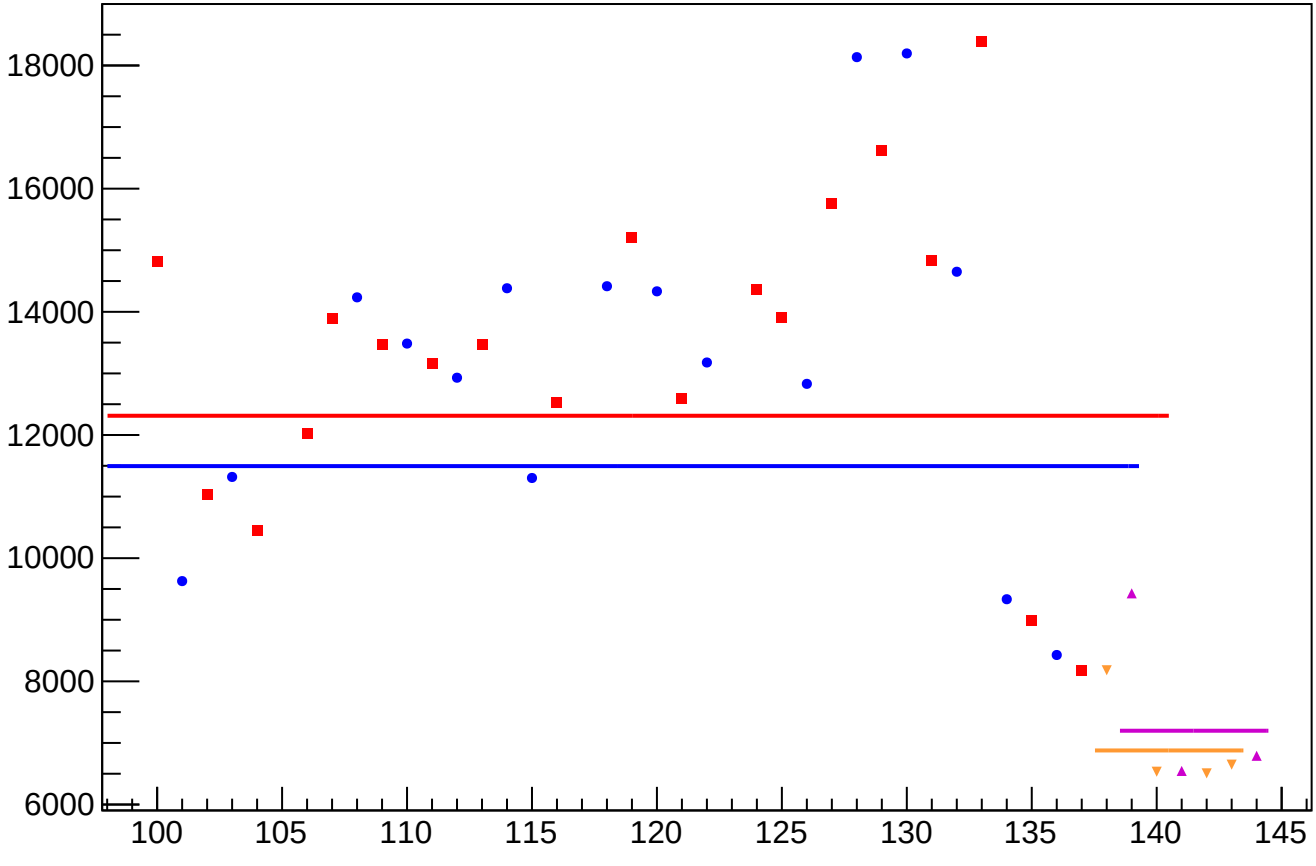
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.878+/-3.155 χ^2/NDF:26.3/18

Out: -1.596+/-3.061 χ^2/NDF:29.1/22

All: 0.574+/-2.197 χ^2/NDF: 56.4/41

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 6877.975+/-2.897 χ^2/NDF:48059.9/3

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7198.219+/-3.184 χ^2/NDF:118518.8/2

Left: 7023.020+/-2.143 χ^2/NDF: 172114.5/6

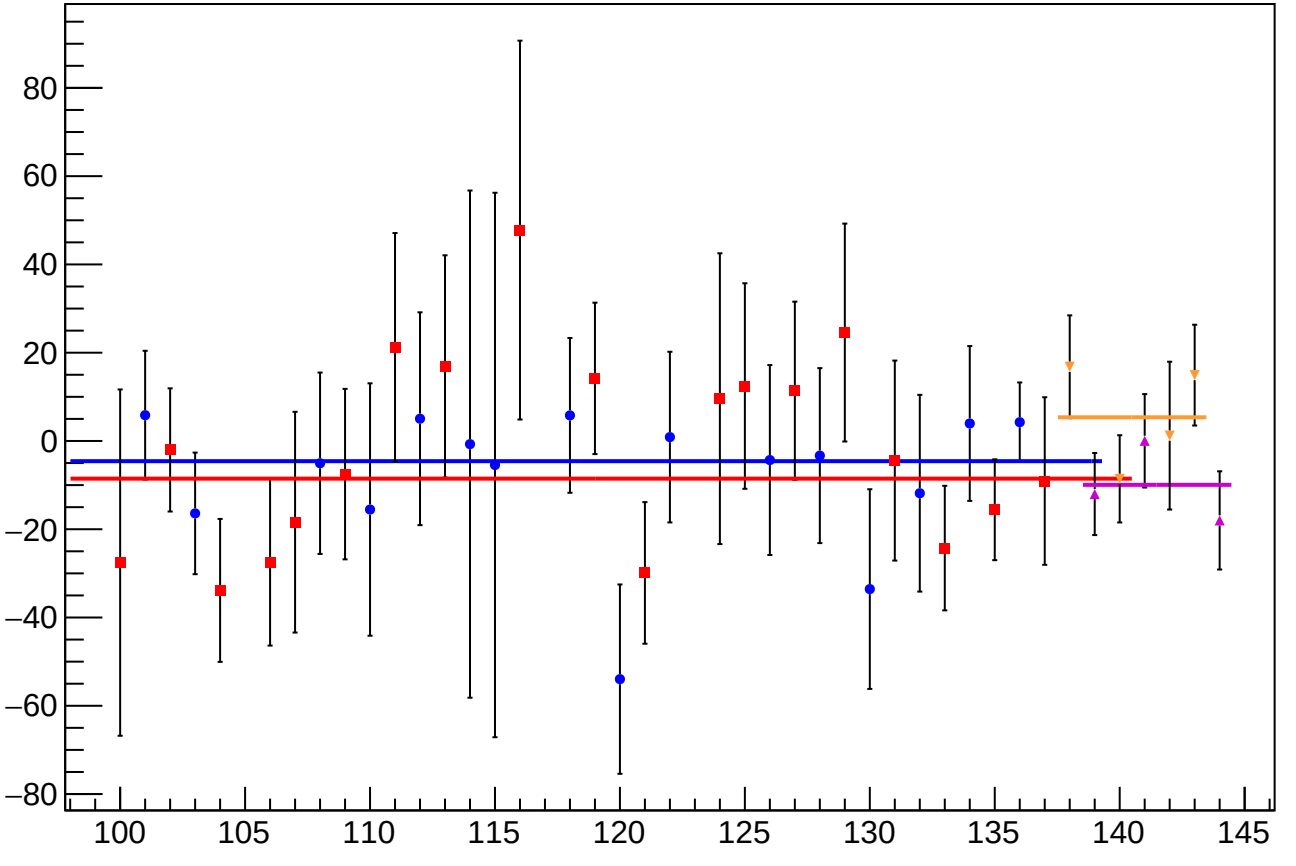
Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 9384.813+/-2.231 χ^2/NDF:1835518.7/18

Out: 9277.492+/-2.165 χ^2/NDF:2200960.5/22

All: 9329.534+/-1.554 χ^2/NDF: 4037671.1/41

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.365+/-5.887 χ^2/NDF:3.7/3

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -9.943+/-5.917 χ^2/NDF:1.5/2

Left: -2.250+/-4.174 χ^2/NDF: 8.5/6

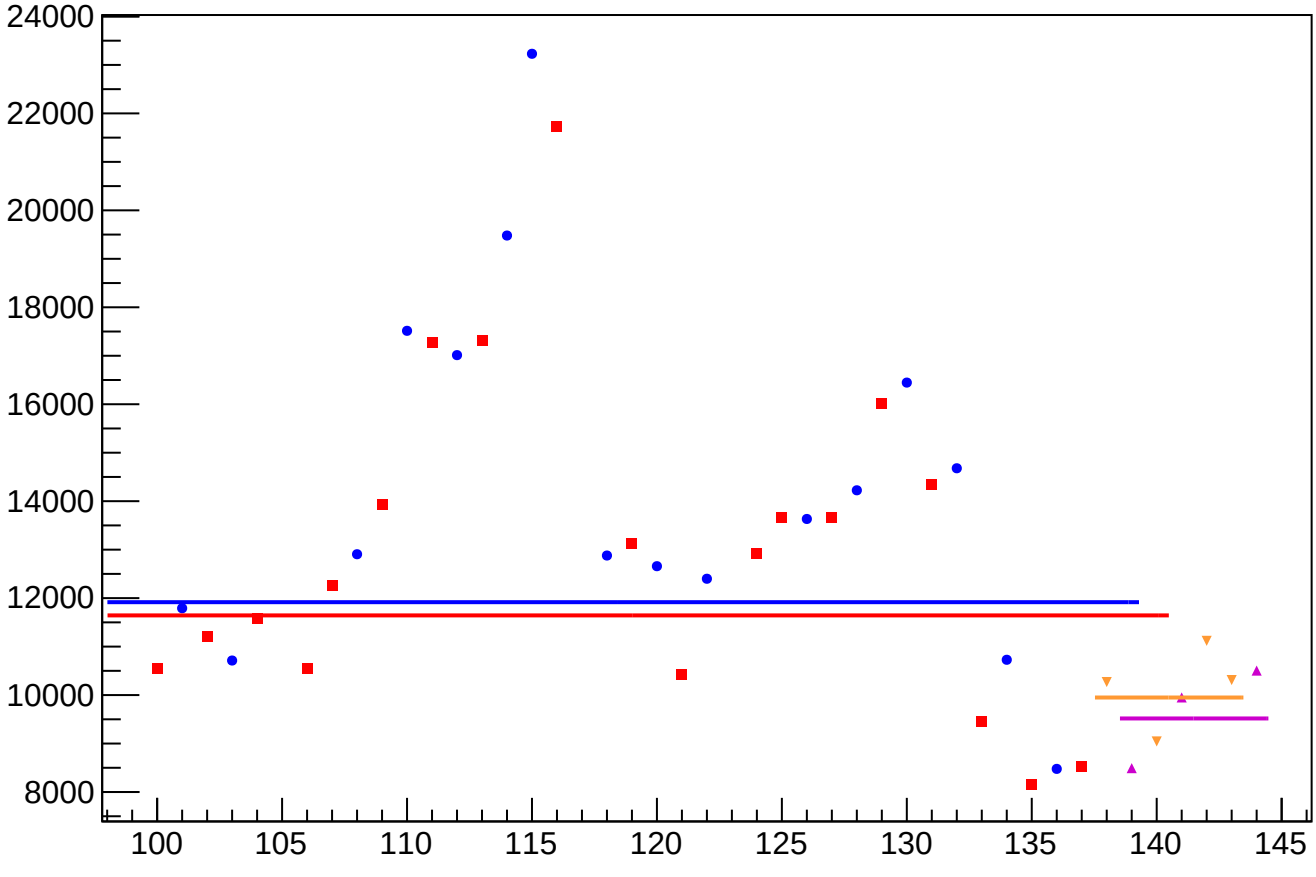
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -6.574+/-3.609 χ^2/NDF:12.2/18

Out: -3.566+/-3.521 χ^2/NDF:24.5/22

All: -5.033+/-2.520 χ^2/NDF: 37.1/41

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9949.587+/-4.163 χ^2/NDF:30061.5/3

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 9517.466+/-4.184 χ^2/NDF:43400.4/2

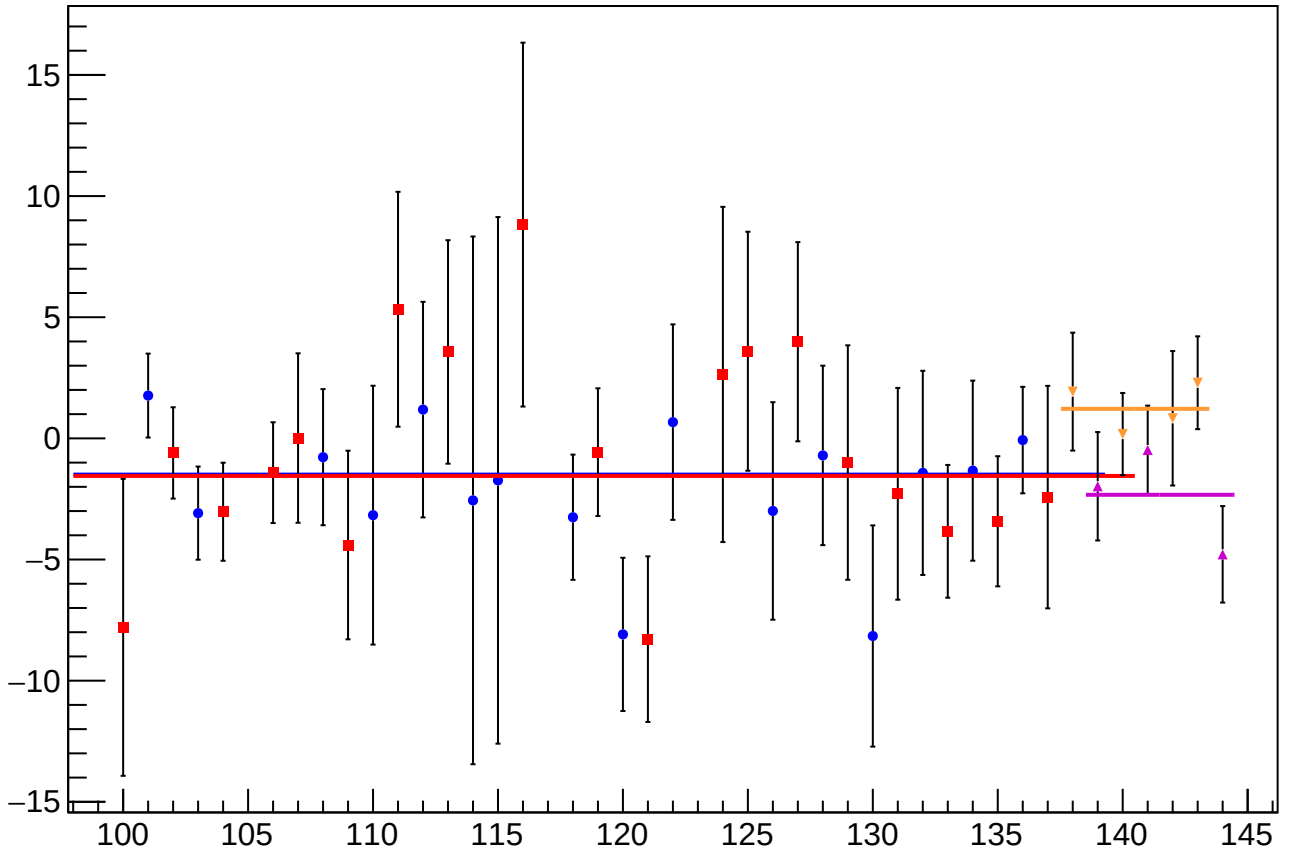
Left: 9734.611+/-2.951 χ^2/NDF: 78822.0/6

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11023.975+/-2.552 χ^2/NDF:999615.5/18

Out: 11037.898+/-2.489 χ^2/NDF:926797.5/22

All: 11031.109+/-1.782 χ^2/NDF: 1926428.3/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.220+/-1.043 χ^2/NDF:0.8/3

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -2.328+/-1.155 χ^2/NDF:2.6/2

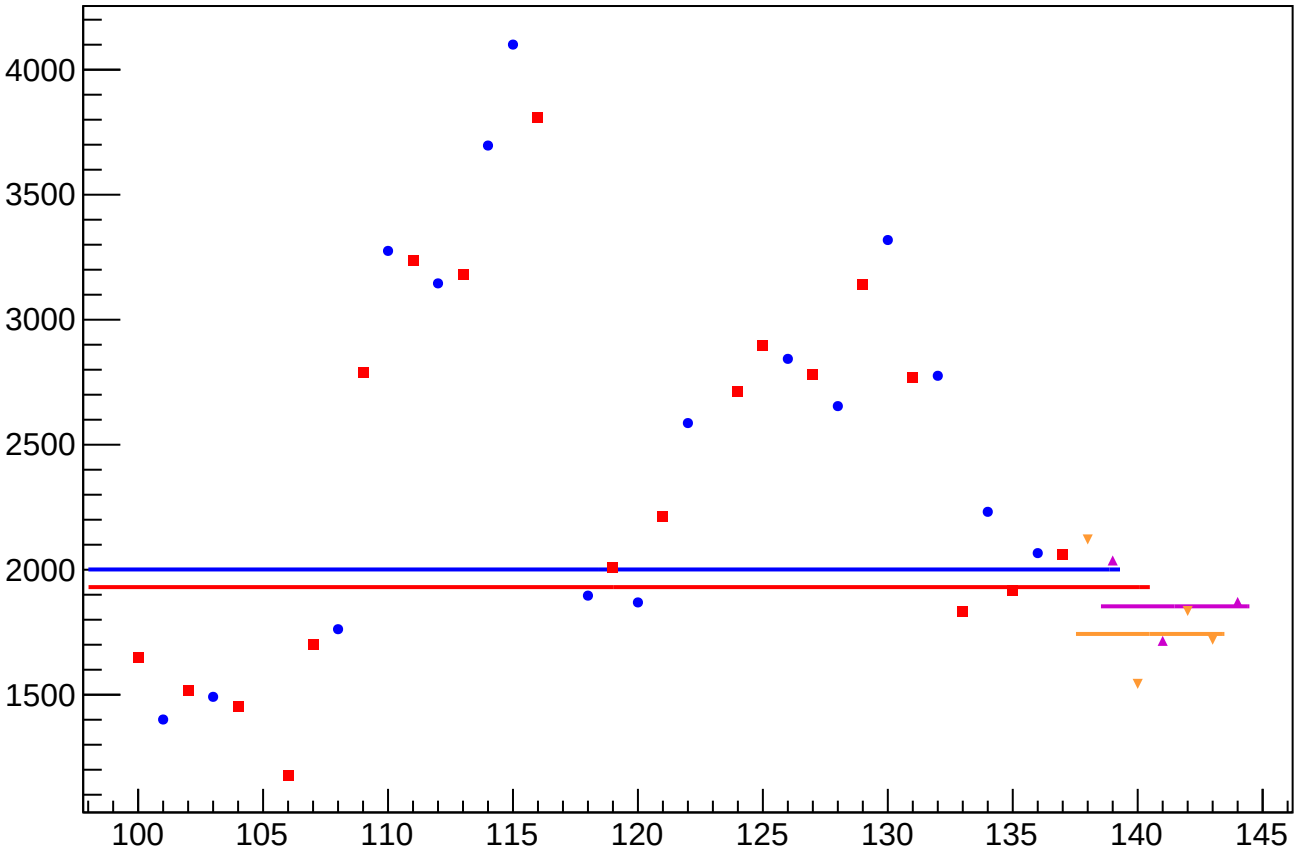
Left: -0.374+/-0.774 χ^2/NDF: 8.6/6

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.756+/-0.645 χ^2/NDF:15.5/18

Out: -0.615+/-0.606 χ^2/NDF:21.7/22

All: -1.150+/-0.442 χ^2/NDF: 38.9/41



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1743.119+/-0.738 χ^2/NDF:78465.3/3

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1853.573+/-0.817 χ^2/NDF:24936.1/2

Left: 1792.741+/-0.547 χ^2/NDF: 113477.2/6

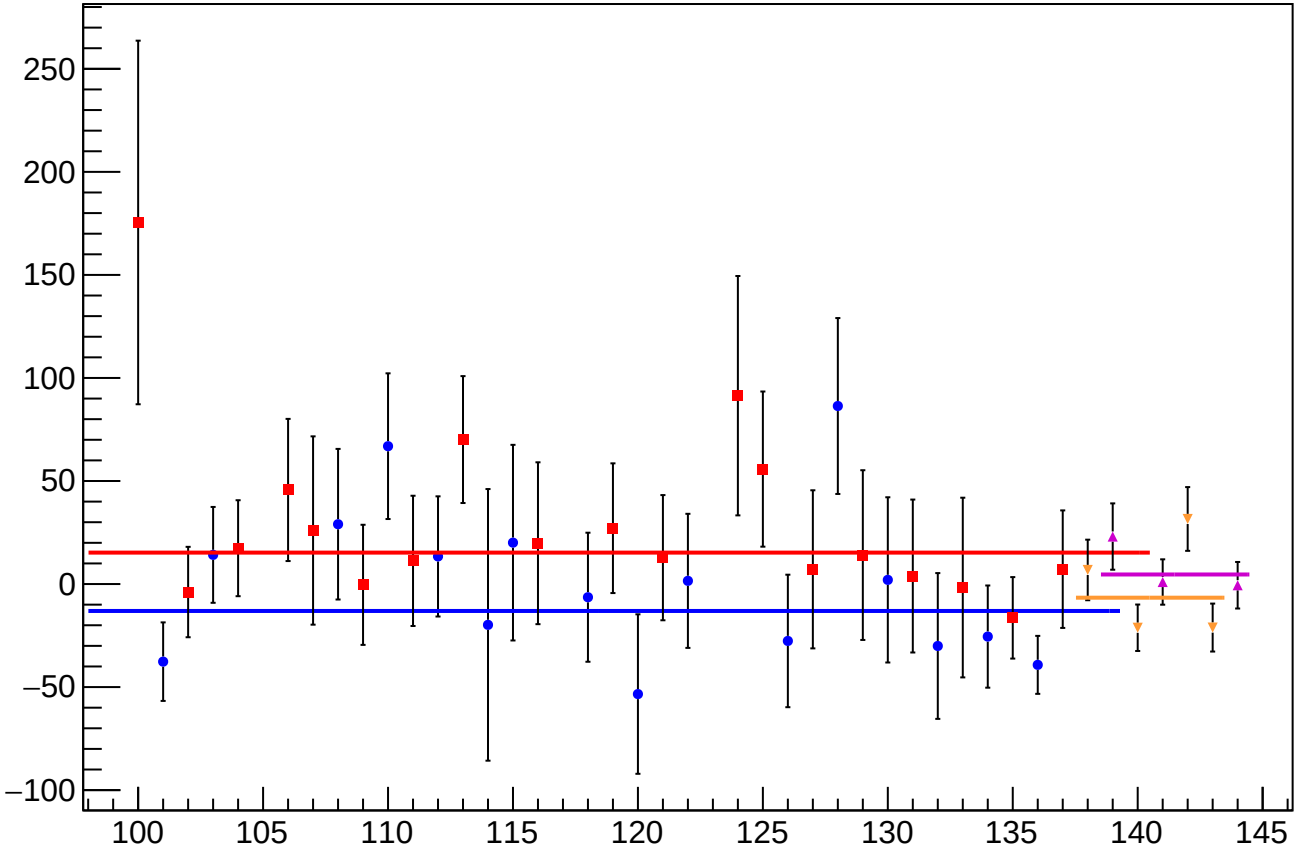
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1954.960+/-0.456 χ^2/NDF:1237134.1/18

Out: 1867.209+/-0.428 χ^2/NDF:1524747.8/22

All: 1908.324+/-0.312 χ^2/NDF: 2781531.7/41

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -6.623+/-6.445 χ^2/NDF:10.2/3

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 4.639+/-7.079 χ^2/NDF:1.6/2

Left: -1.519+/-4.766 χ^2/NDF: 13.2/6

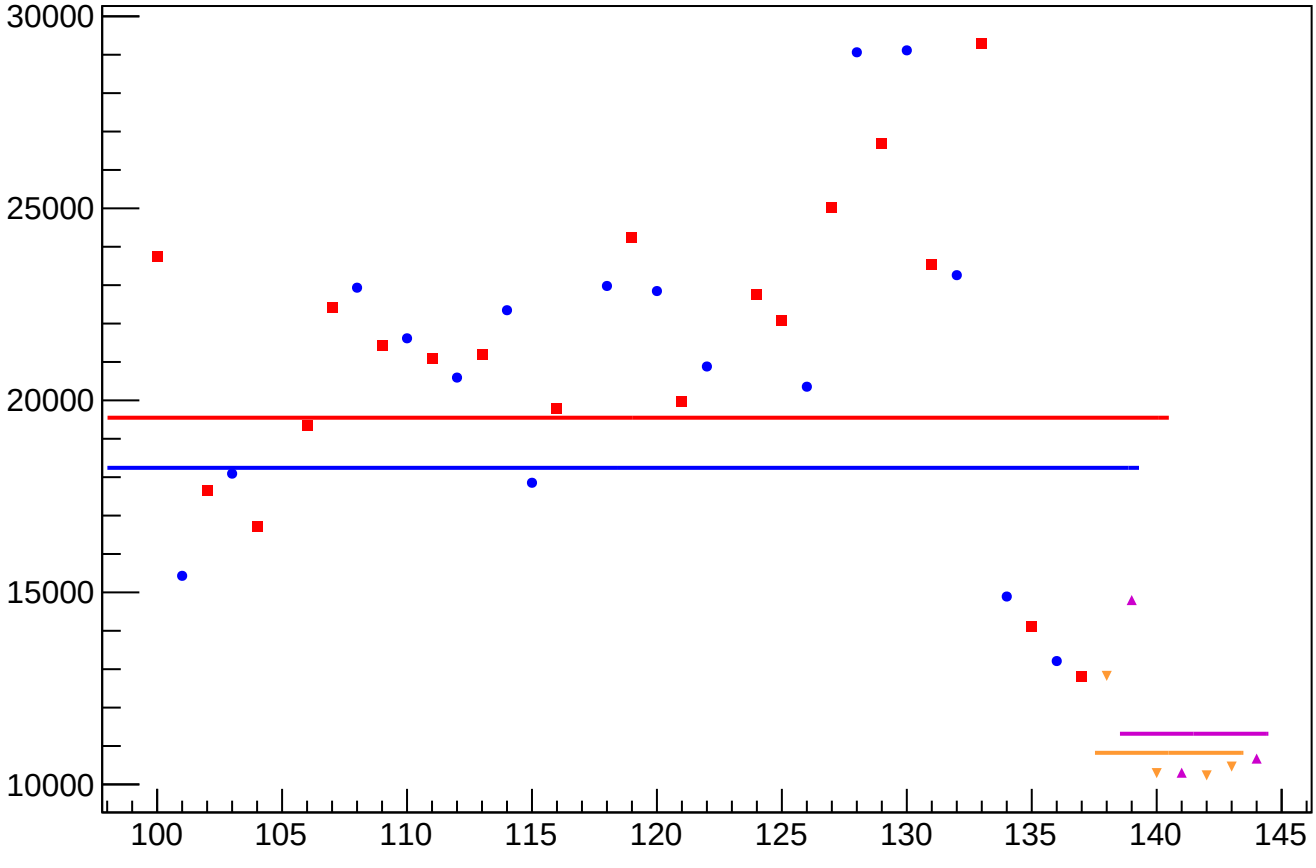
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -4.279+/-4.987 χ^2/NDF:26.6/18

Out: 2.928+/-4.837 χ^2/NDF:29.5/22

All: -0.566+/-3.472 χ^2/NDF: 57.3/41

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 10822.705+/-4.557 χ^2/NDF:46353.8/3

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11319.286+/-5.005 χ^2/NDF:117122.5/2

Left: 11047.763+/-3.370 χ^2/NDF: 168857.8/6

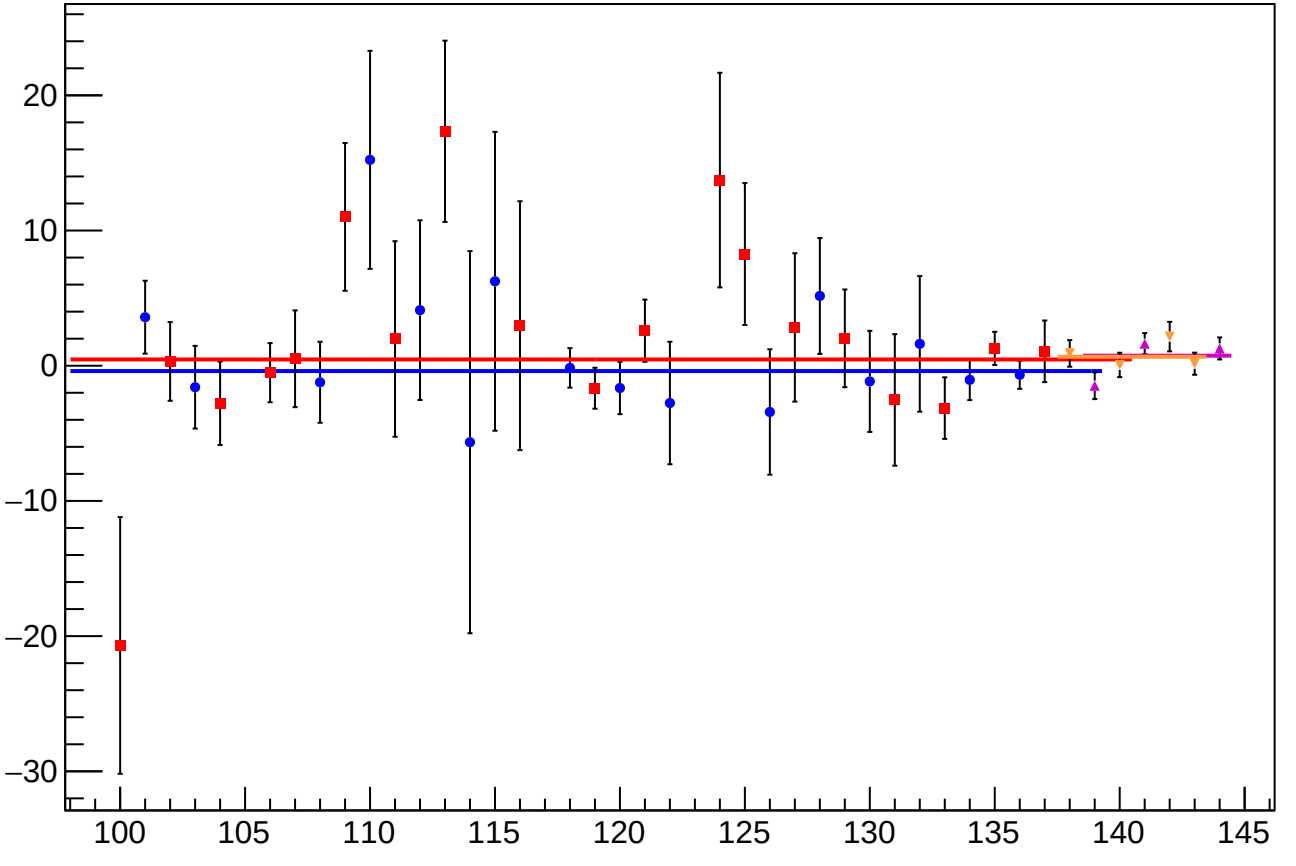
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14807.053+/-3.526 χ^2/NDF:1900816.9/18

Out: 14632.547+/-3.420 χ^2/NDF:2268844.1/22

All: 14717.145+/-2.455 χ^2/NDF: 4170922.7/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.662+/-0.466 χ^2/NDF:2.8/3

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.743+/-0.490 χ^2/NDF:6.7/2

Left: 0.701+/-0.338 χ^2/NDF: 9.5/6

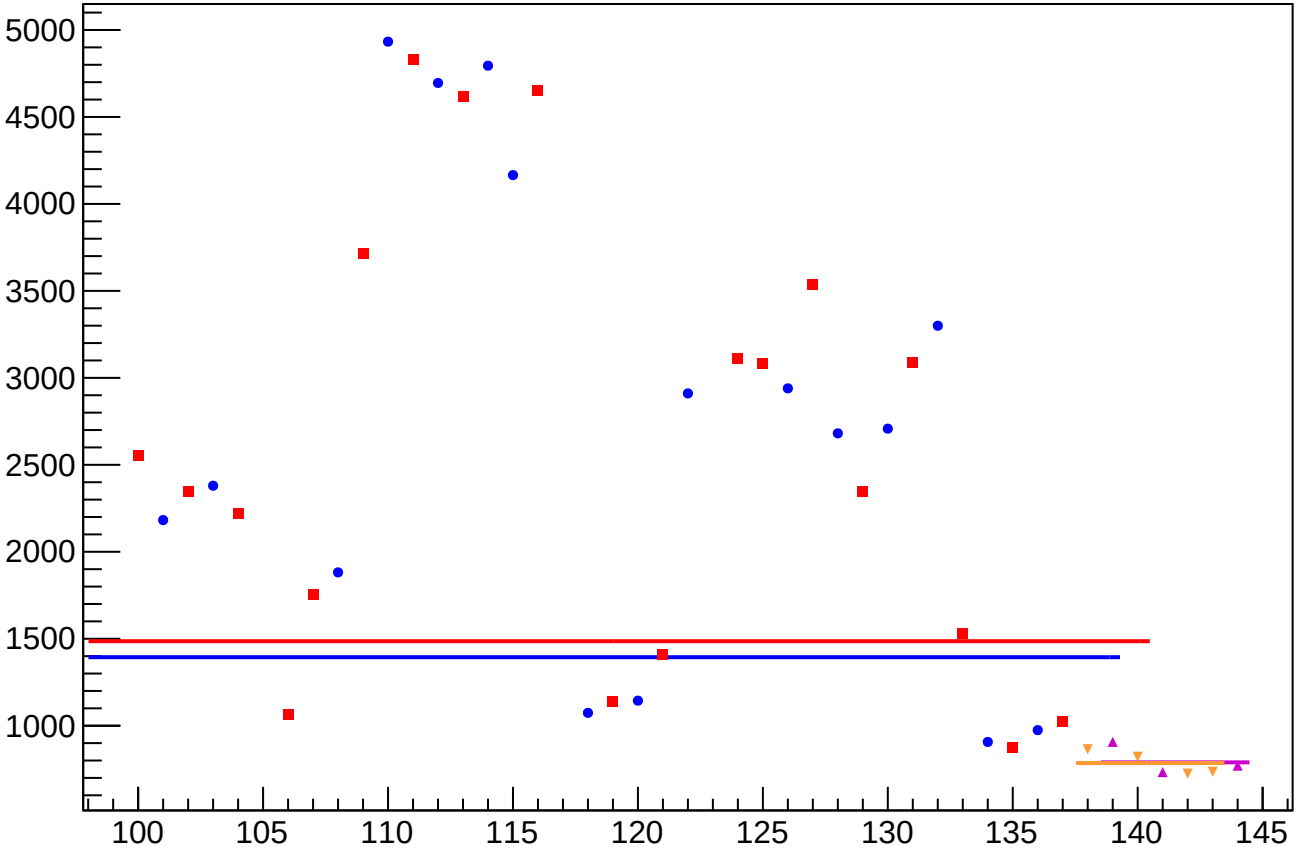
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.288+/-0.379 χ^2/NDF:19.3/18

Out: 0.593+/-0.375 χ^2/NDF:30.9/22

All: 0.442+/-0.267 χ^2/NDF: 50.5/41

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 785.479+/-0.330 χ^2/NDF:29995.7/3

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 789.351+/-0.346 χ^2/NDF:39687.5/2

Left: 787.319+/-0.239 χ^2/NDF: 69748.8/6

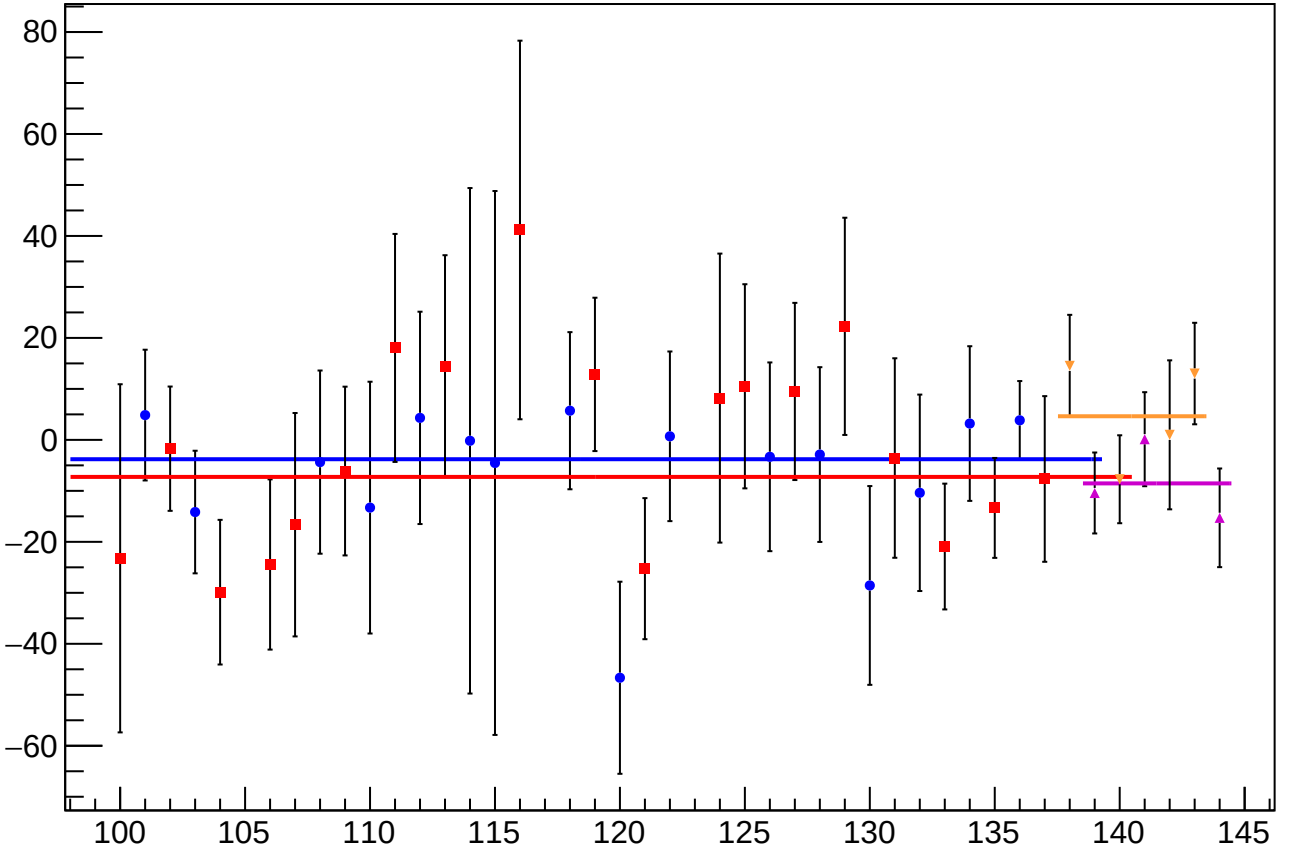
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 1031.086+/-0.268 χ^2/NDF:4638767.0/18

Out: 1031.249+/-0.265 χ^2/NDF:5014346.9/22

All: 1031.169+/-0.189 χ^2/NDF: 9653114.2/41

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.633+/-5.116 χ^2/NDF:3.8/3

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -8.537+/-5.109 χ^2/NDF:1.4/2

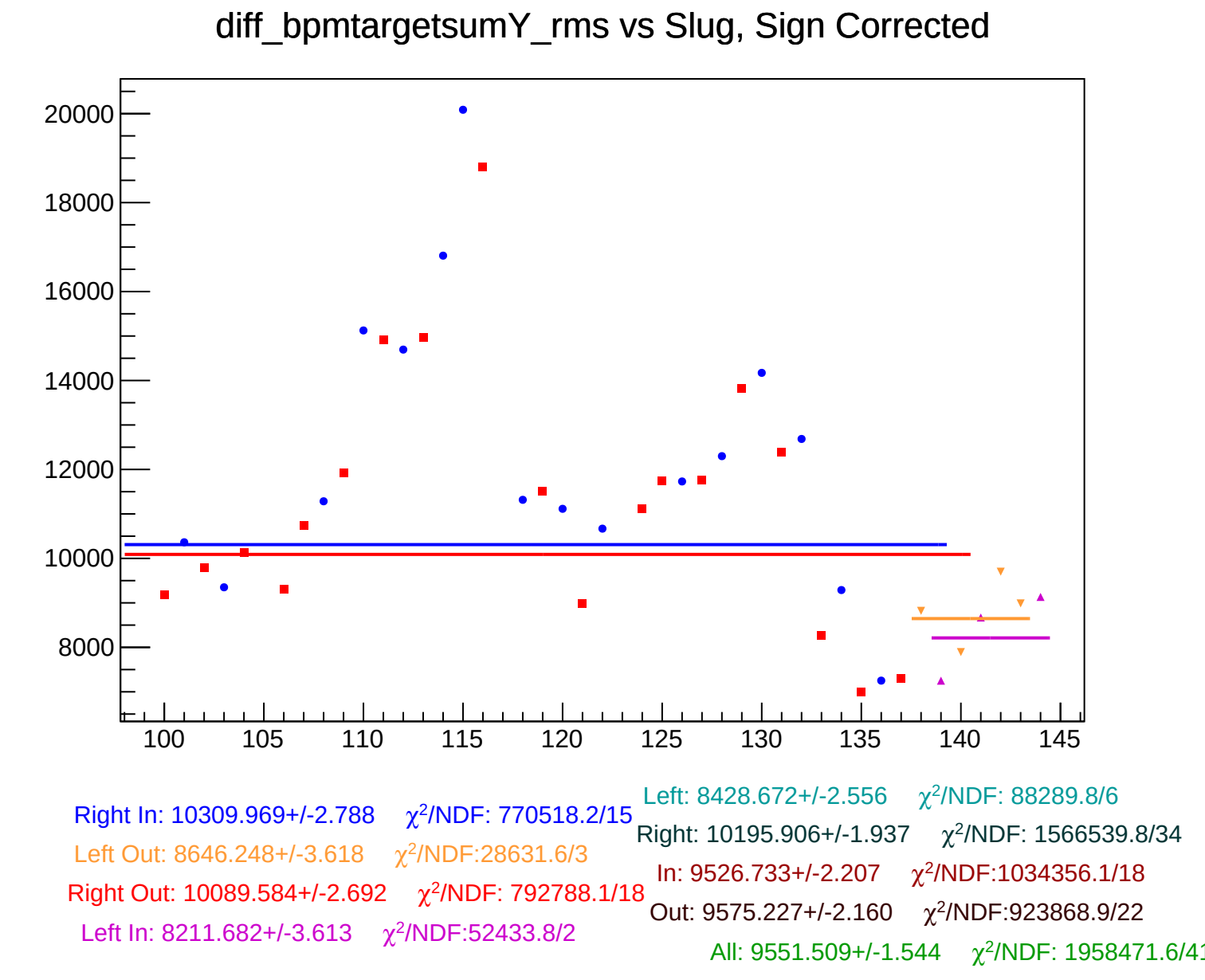
Left: -1.961+/-3.615 χ^2/NDF: 8.5/6

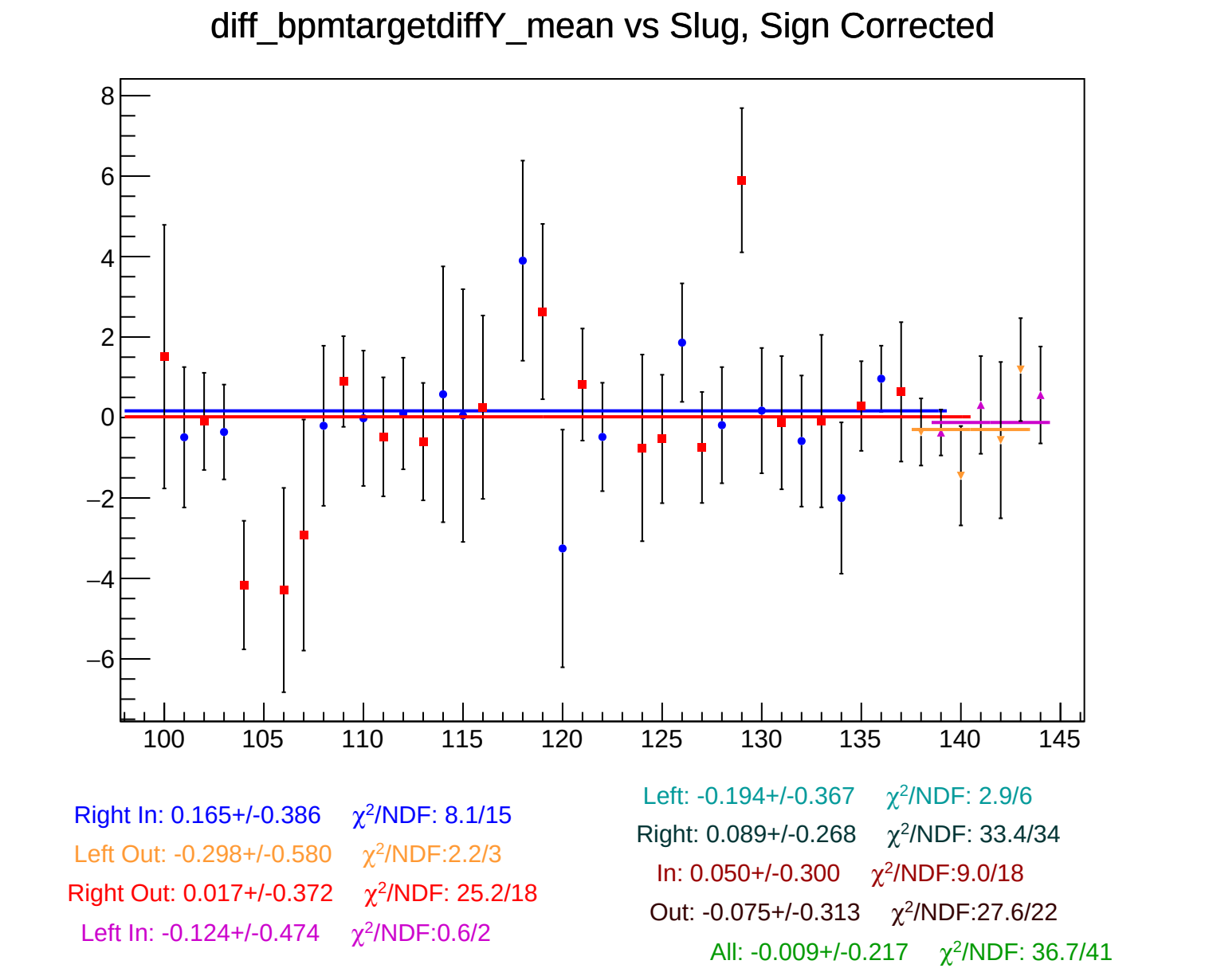
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -5.565+/-3.122 χ^2/NDF:12.0/18

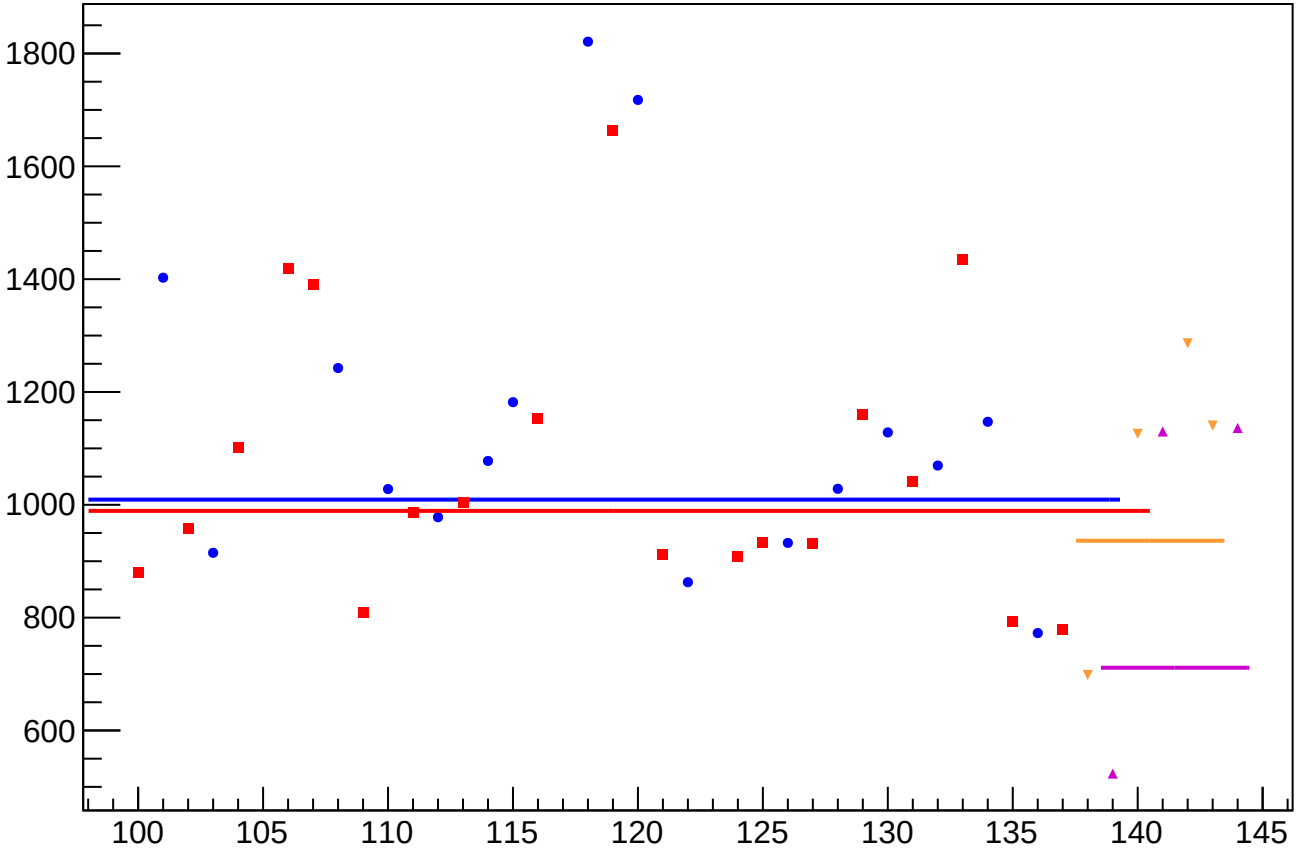
Out: -3.024+/-3.054 χ^2/NDF:24.5/22

All: -4.267+/-2.183 χ^2/NDF: 36.9/41


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8646.248+/-3.618 χ²/NDF:28631.6/3
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8211.682+/-3.613 χ²/NDF:52433.8/2
Left: 8428.672+/-2.556 χ²/NDF: 88289.8/6
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9526.733+/-2.207 χ²/NDF:1034356.1/18
Out: 9575.227+/-2.160 χ²/NDF:923868.9/22
All: 9551.509+/-1.544 χ²/NDF: 1958471.6/41


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
105
110
115
120
125
130
135
140
145
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: -0.298+/-0.580 χ²/NDF:2.2/3
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: -0.124+/-0.474 χ²/NDF:0.6/2
Left: -0.194+/-0.367 χ²/NDF: 2.9/6
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: 0.050+/-0.300 χ²/NDF:9.0/18
Out: -0.075+/-0.313 χ²/NDF:27.6/22
All: -0.009+/-0.217 χ²/NDF: 36.7/41

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 936.293+/-0.410 χ^2/NDF:325665.7/3

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 711.228+/-0.335 χ^2/NDF:703366.8/2

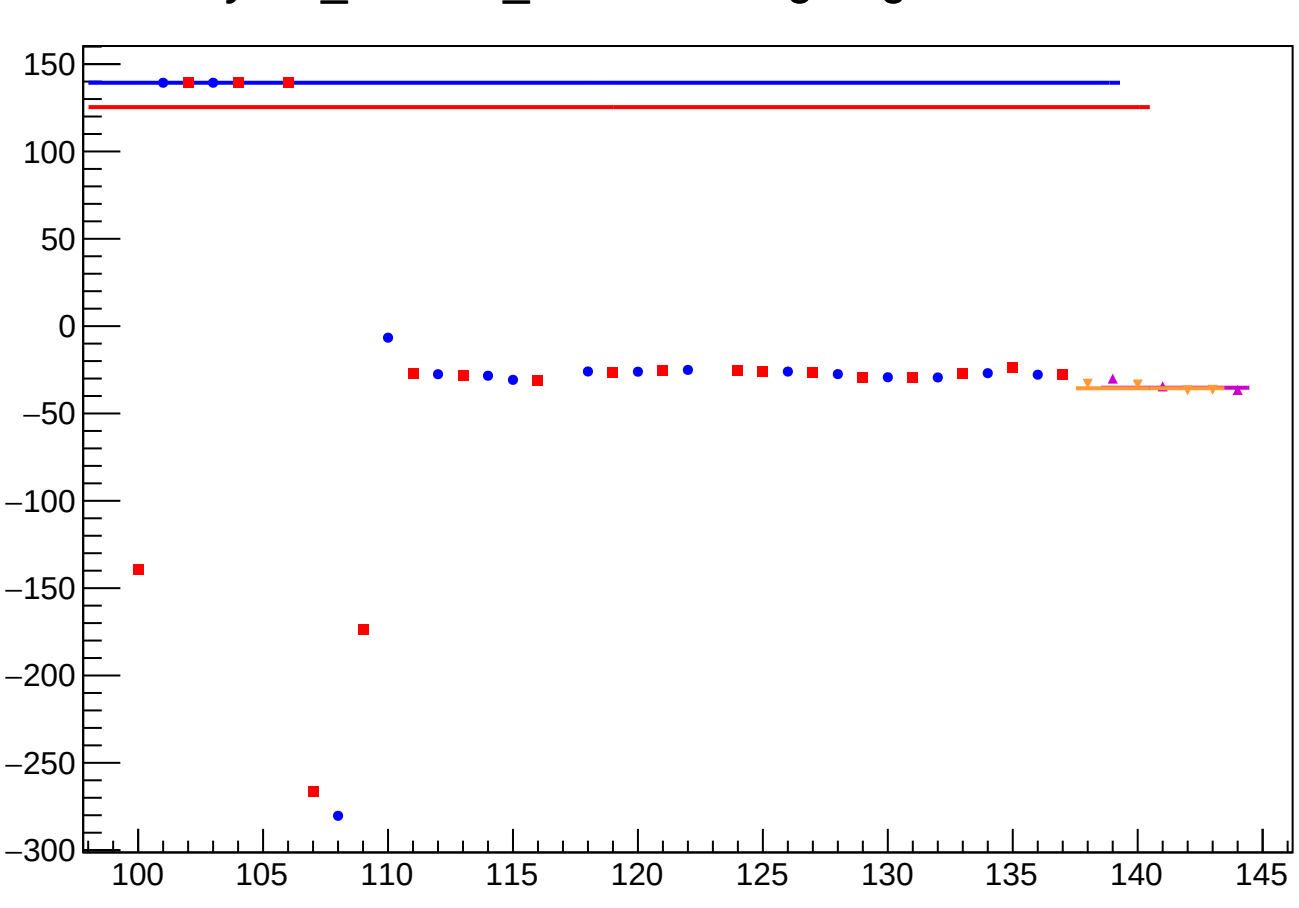
Left: 801.390+/-0.260 χ^2/NDF: 1209314.3/6

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

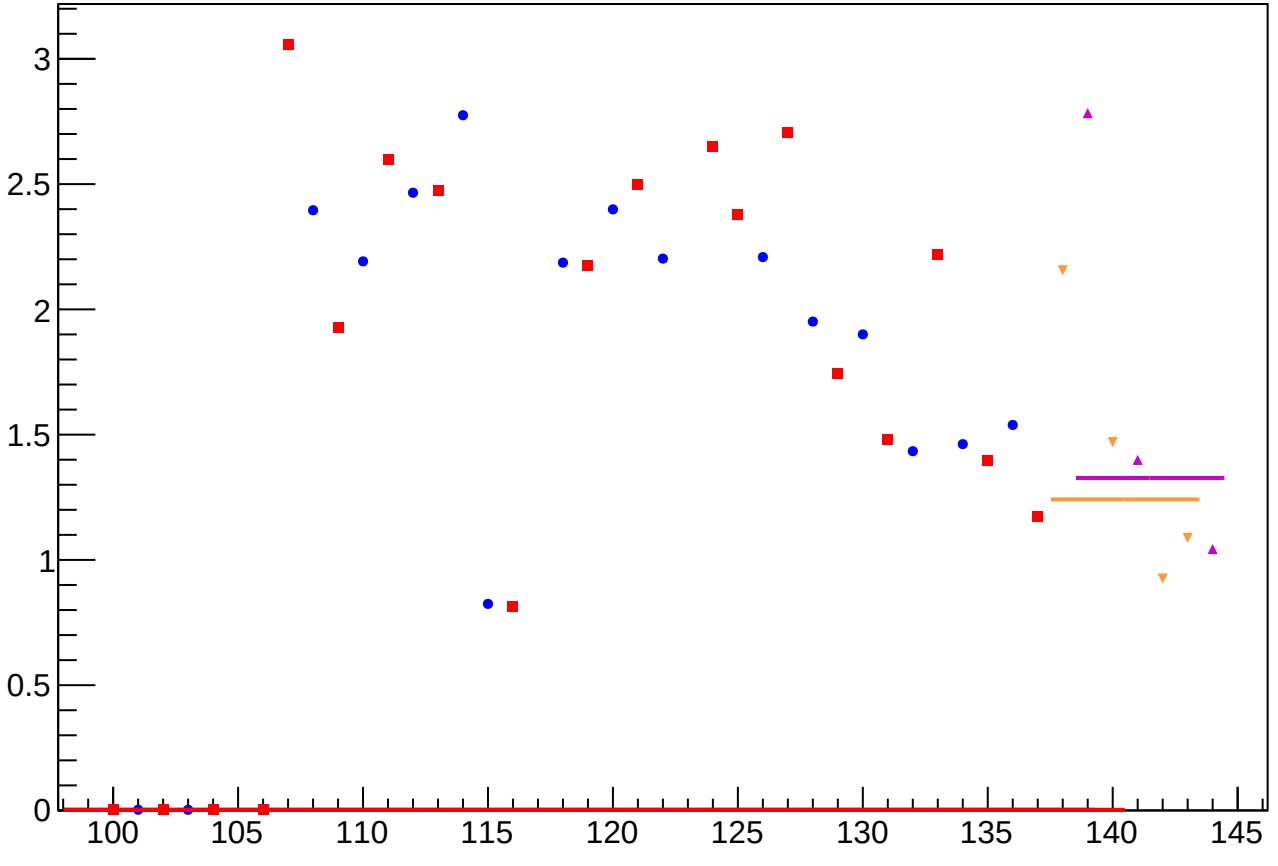
In: 890.427+/-0.212 χ^2/NDF:1877090.6/18

Out: 973.812+/-0.222 χ^2/NDF:913222.7/22

All: 930.250+/-0.153 χ^2/NDF: 2864316.4/41


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
105
110
115
120
125
130
135
140
145
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -35.555+/-0.001 χ²/NDF:3005671.3/3
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -35.258+/-0.001 χ²/NDF:4110095.2/2
Left: -35.421+/-0.001 χ²/NDF: 7165615.6/6
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.336+/-0.000 χ²/NDF:78486263389.2/18
Out: 125.391+/-0.000 χ²/NDF:774205822171698.
All: 131.817+/-0.000 χ²/NDF: 79306911785

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.241+/-0.001 χ^2/NDF:356985.9/3

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.001 χ^2/NDF:551943.4/2

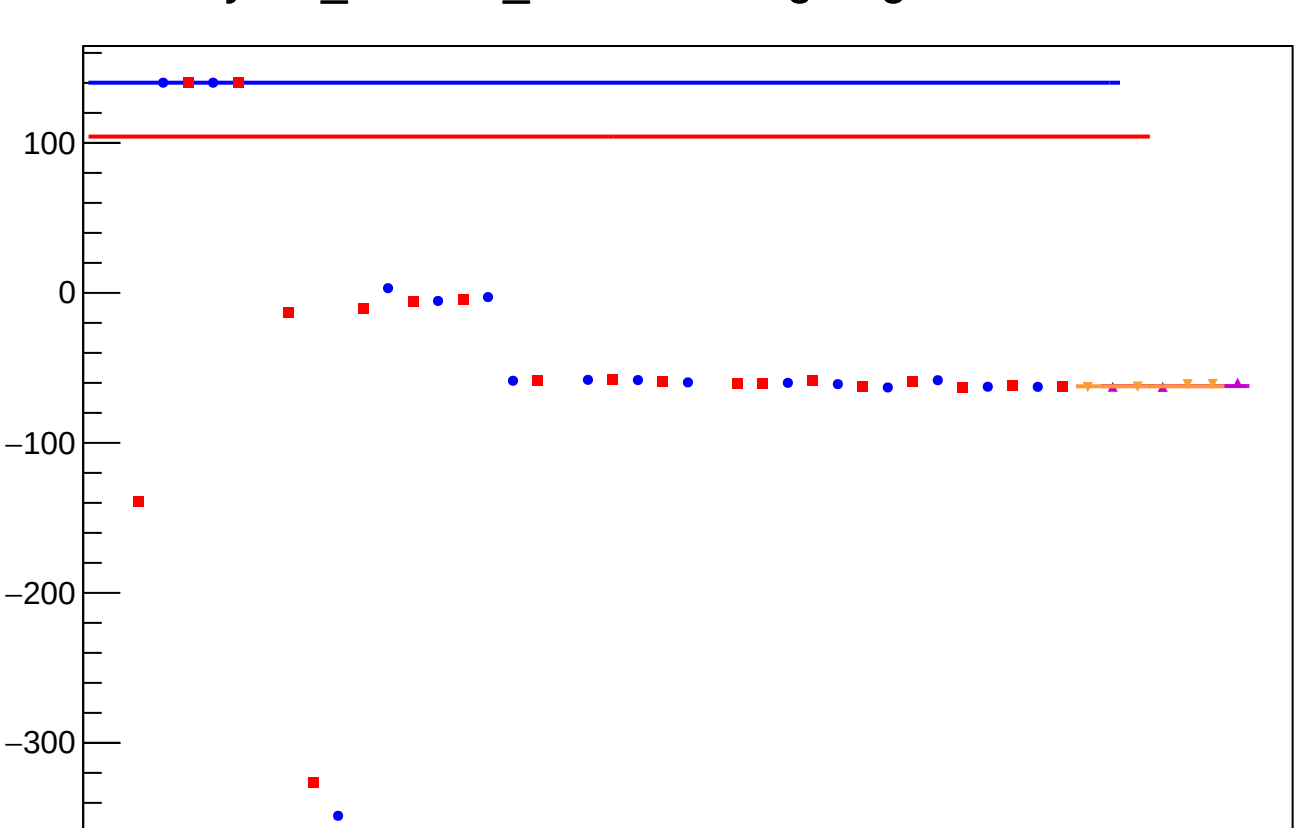
Left: 1.280+/-0.000 χ^2/NDF: 917243.8/6

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:13730594.2/18

Out: 0.003+/-0.000 χ^2/NDF:13965441.1/22

All: 0.003+/-0.000 χ^2/NDF: 27696220.6/41



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -62.265+/-0.000 χ^2/NDF:2602359.4/3

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -62.117+/-0.000 χ^2/NDF:5197605.5/2

Left: -62.192+/-0.000 χ^2/NDF: 7851383.8/6

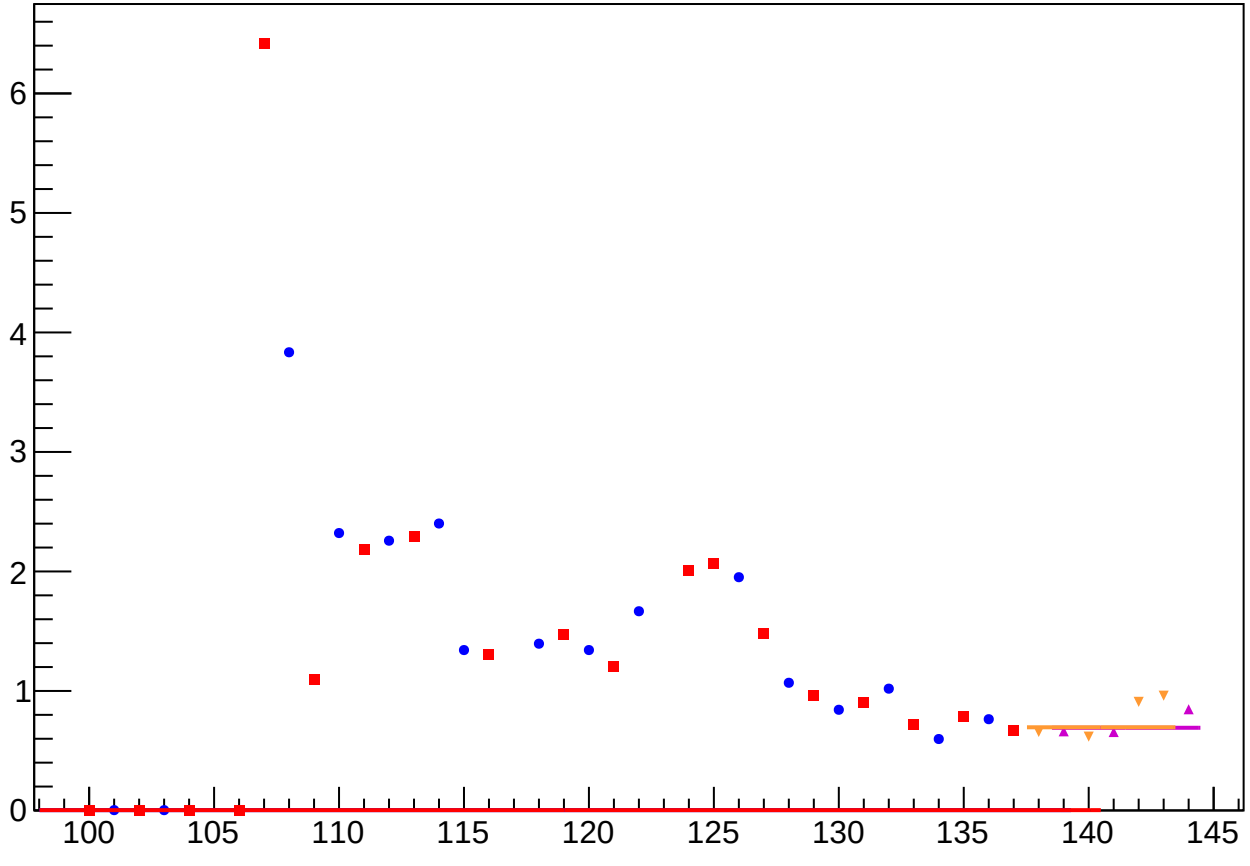
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.138+/-0.000 χ^2/NDF:377411428739.3/18

Out: 104.220+/-0.000 χ^2/NDF:1257534054802166

All: 120.827+/-0.000 χ^2/NDF: 13812109704

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.696+/-0.000 χ^2/NDF:145521.1/3

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.692+/-0.000 χ^2/NDF:46846.1/2

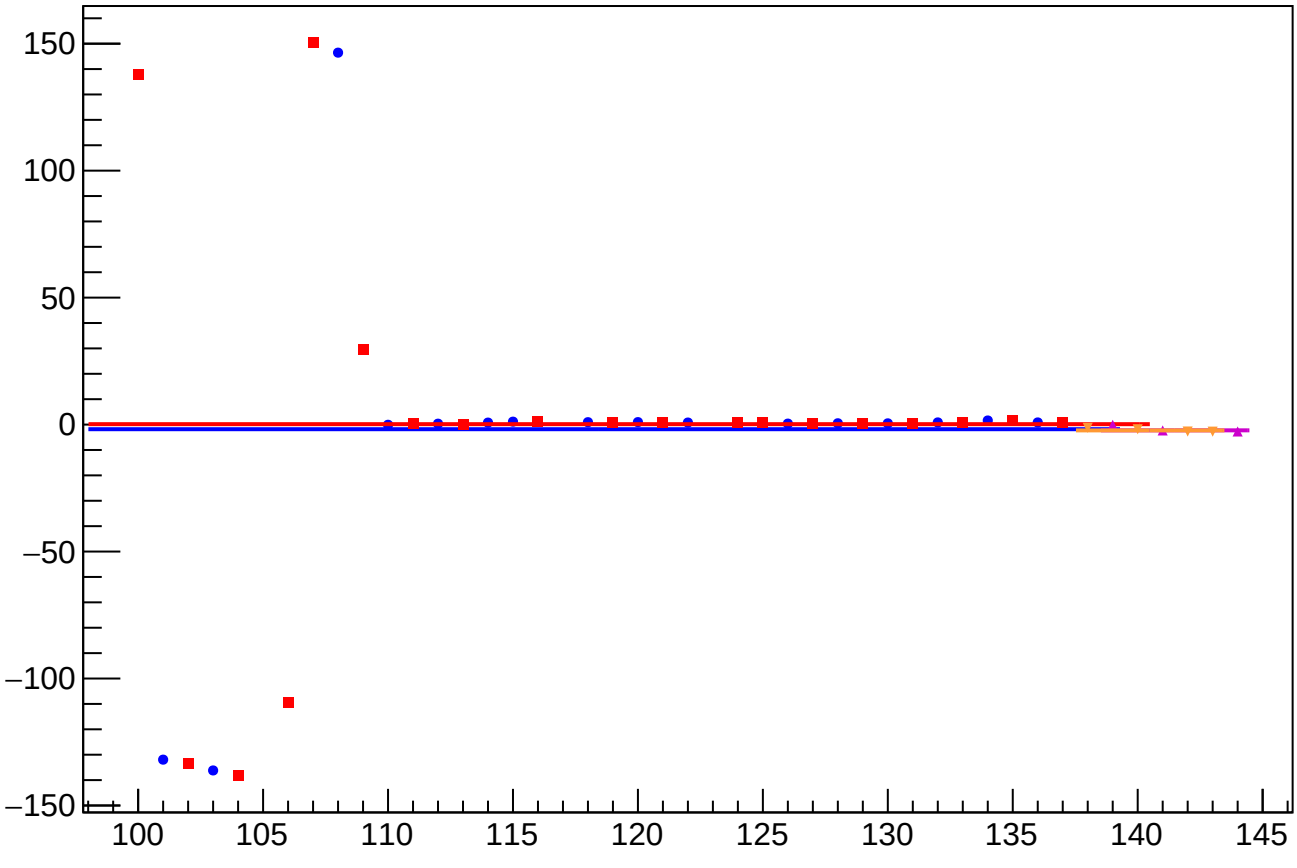
Left: 0.694+/-0.000 χ^2/NDF: 192447.8/6

Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:15035924.7/18

Out: 0.003+/-0.000 χ^2/NDF:14996577.0/22

All: 0.003+/-0.000 χ^2/NDF: 30032734.5/41



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -2.284+/-0.000 χ^2/NDF:2604918.4/3

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -2.265+/-0.000 χ^2/NDF:4000587.9/2

Left: -2.275+/-0.000 χ^2/NDF: 6606851.6/6

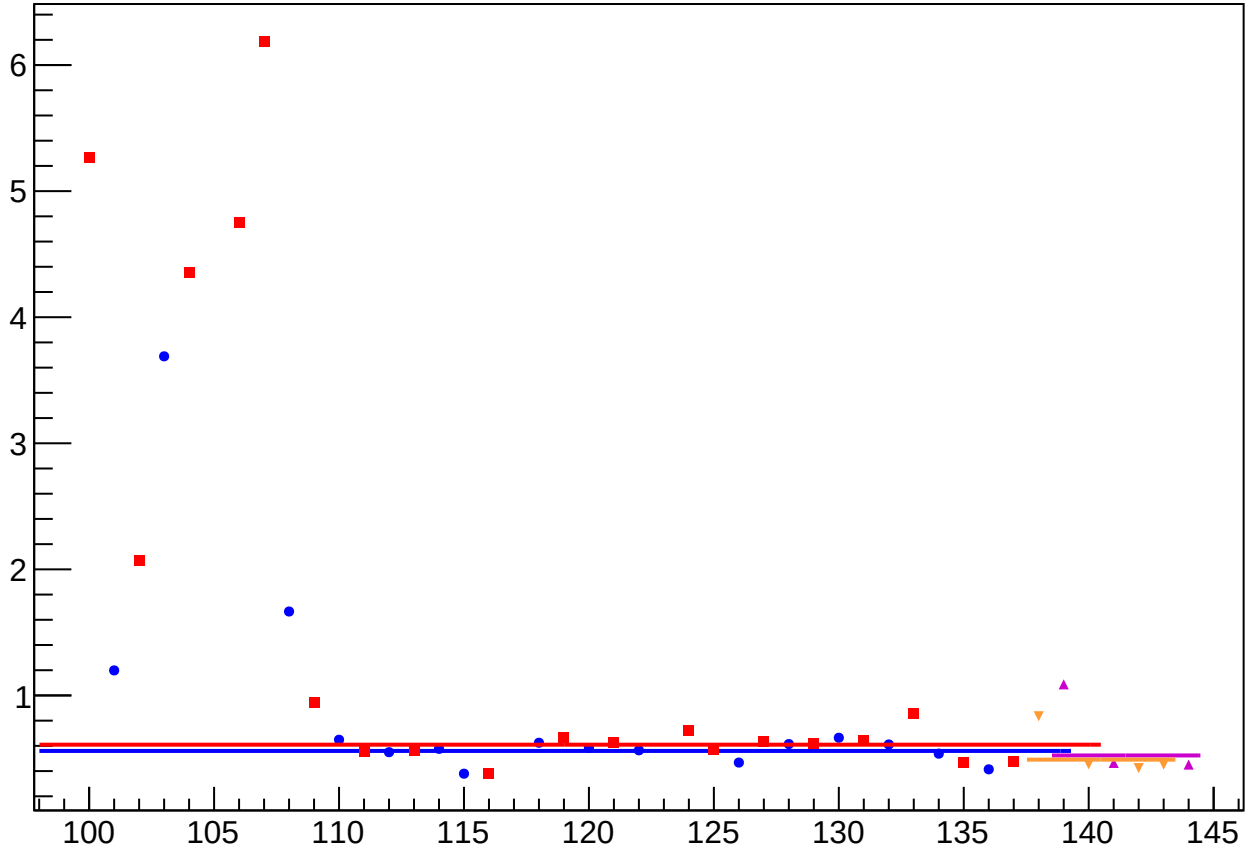
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.950+/-0.000 χ^2/NDF:9892129619.5/18

Out: -0.768+/-0.000 χ^2/NDF:3644425498.1/22

All: -1.376+/-0.000 χ^2/NDF: 13552078220.7/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.491+/-0.000 χ^2/NDF:258291.8/3

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.524+/-0.000 χ^2/NDF:505161.9/2

Left: 0.506+/-0.000 χ^2/NDF: 771696.0/6

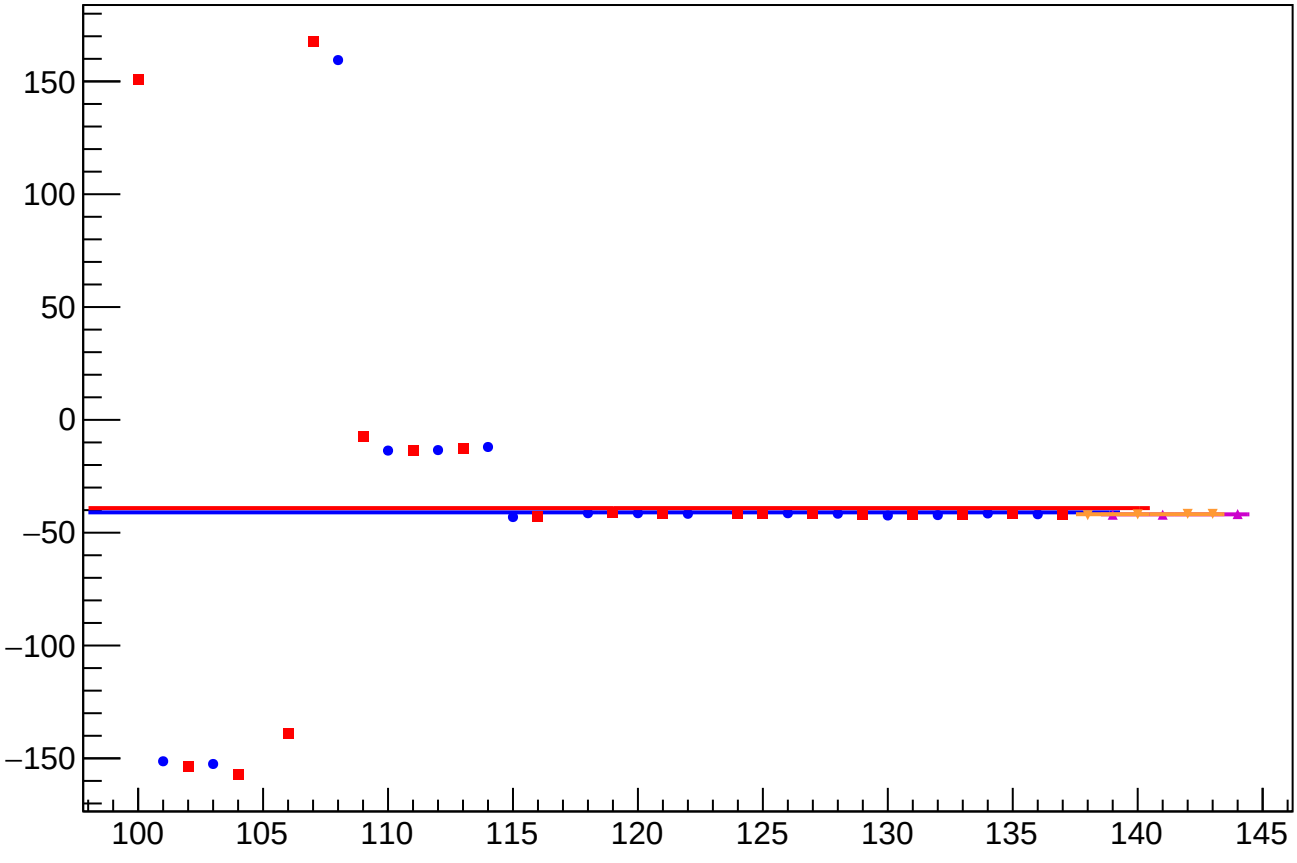
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.549+/-0.000 χ^2/NDF:2115817.5/18

Out: 0.564+/-0.000 χ^2/NDF:2877886.2/22

All: 0.556+/-0.000 χ^2/NDF: 4998630.6/41

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.809+/-0.000 χ^2/NDF:896567.8/3

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.867+/-0.000 χ^2/NDF:306284.5/2

Left: -41.836+/-0.000 χ^2/NDF: 1231542.7/6

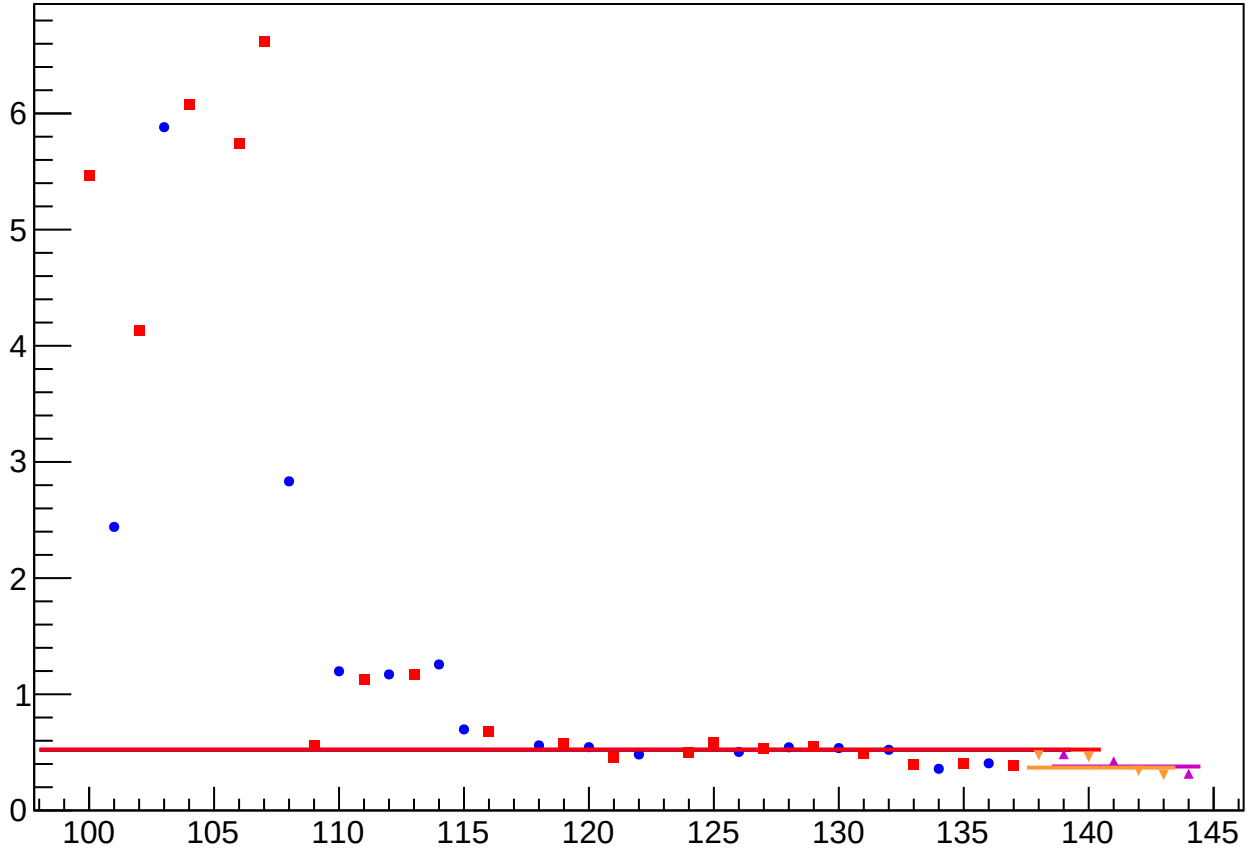
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.396+/-0.000 χ^2/NDF:3456565616.8/18

Out: -40.474+/-0.000 χ^2/NDF:2547595108.5/22

All: -40.922+/-0.000 χ^2/NDF: 6019184059.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.369+/-0.000 χ^2/NDF:195658.8/3

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.378+/-0.000 χ^2/NDF:155037.7/2

Left: 0.373+/-0.000 χ^2/NDF: 352200.7/6

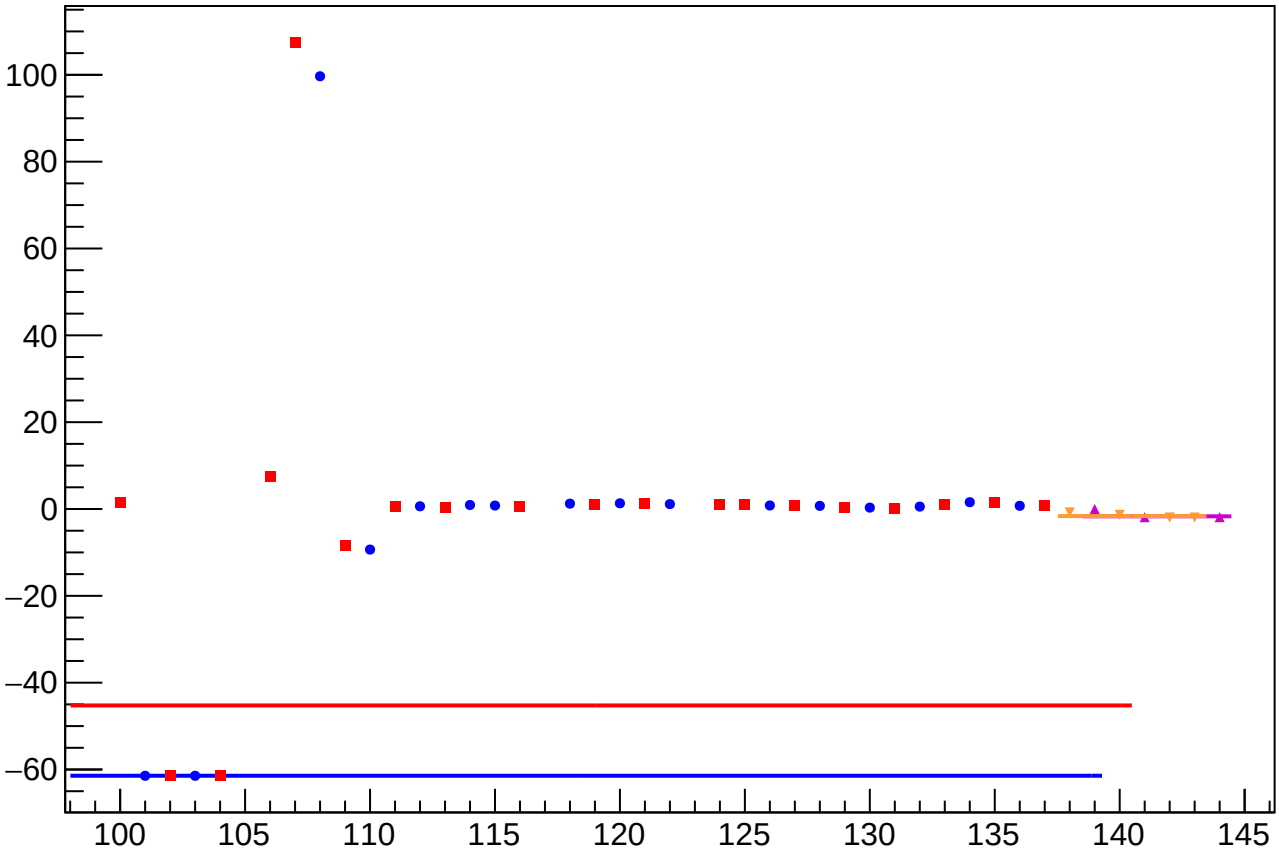
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.455+/-0.000 χ^2/NDF:3458852.3/18

Out: 0.445+/-0.000 χ^2/NDF:3897185.8/22

All: 0.450+/-0.000 χ^2/NDF: 7359513.8/41

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.626+/-0.000 χ^2/NDF:1969582.3/3

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -1.683+/-0.000 χ^2/NDF:3235001.3/2

Left: -1.652+/-0.000 χ^2/NDF: 5221487.9/6

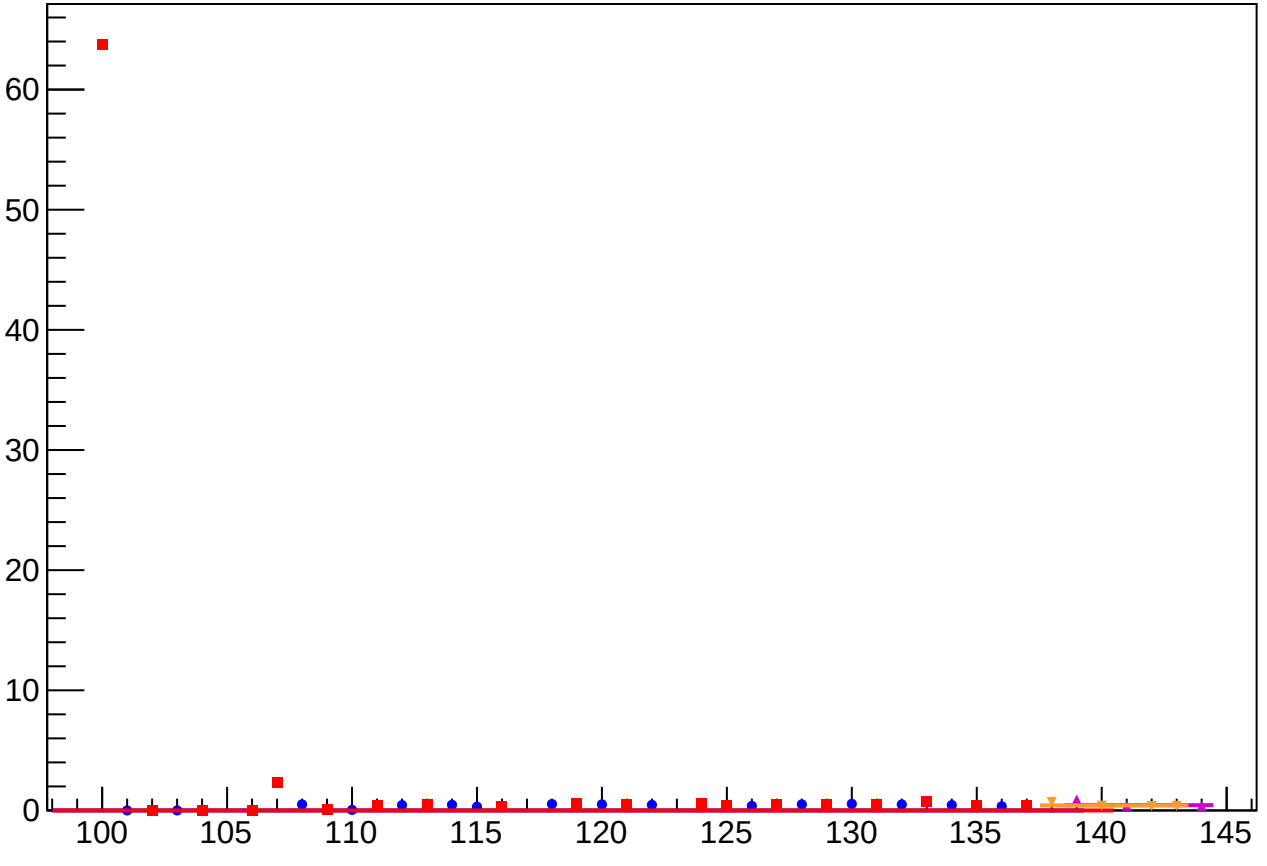
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.434+/-0.000 χ^2/NDF:307976358718.6/18

Out: -45.244+/-0.000 χ^2/NDF:357891947804466.5

All: -52.748+/-0.000 χ^2/NDF: 409176799876

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.421+/-0.000 χ^2/NDF:254819.5/3

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.439+/-0.000 χ^2/NDF:497702.4/2

Left: 0.429+/-0.000 χ^2/NDF: 756109.1/6

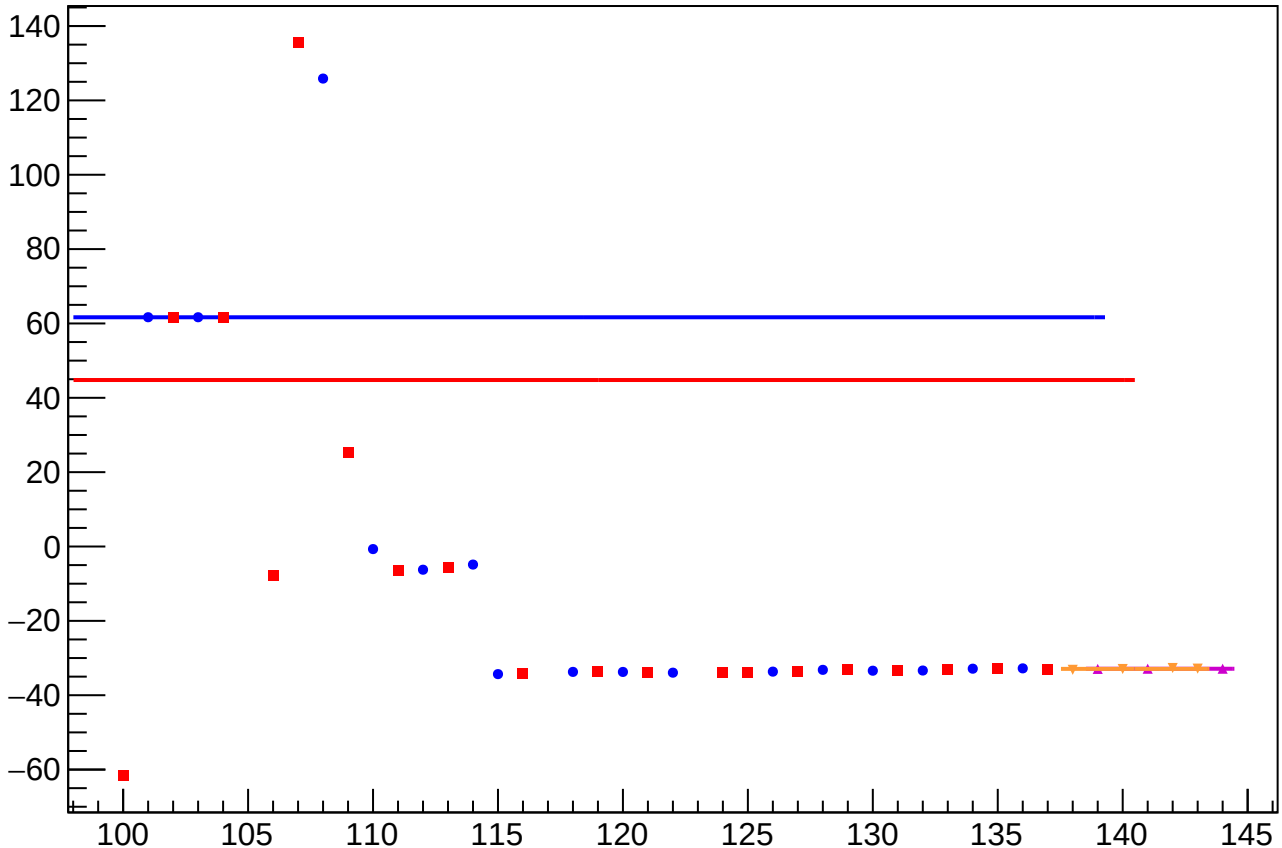
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:13358257.5/18

Out: 0.001+/-0.000 χ^2/NDF:13597619.6/22

All: 0.001+/-0.000 χ^2/NDF: 26955879.9/41

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.916+/-0.000 χ^2/NDF:746967.5/3

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.882+/-0.000 χ^2/NDF:15280.9/2

Left: -32.899+/-0.000 χ^2/NDF: 779574.5/6

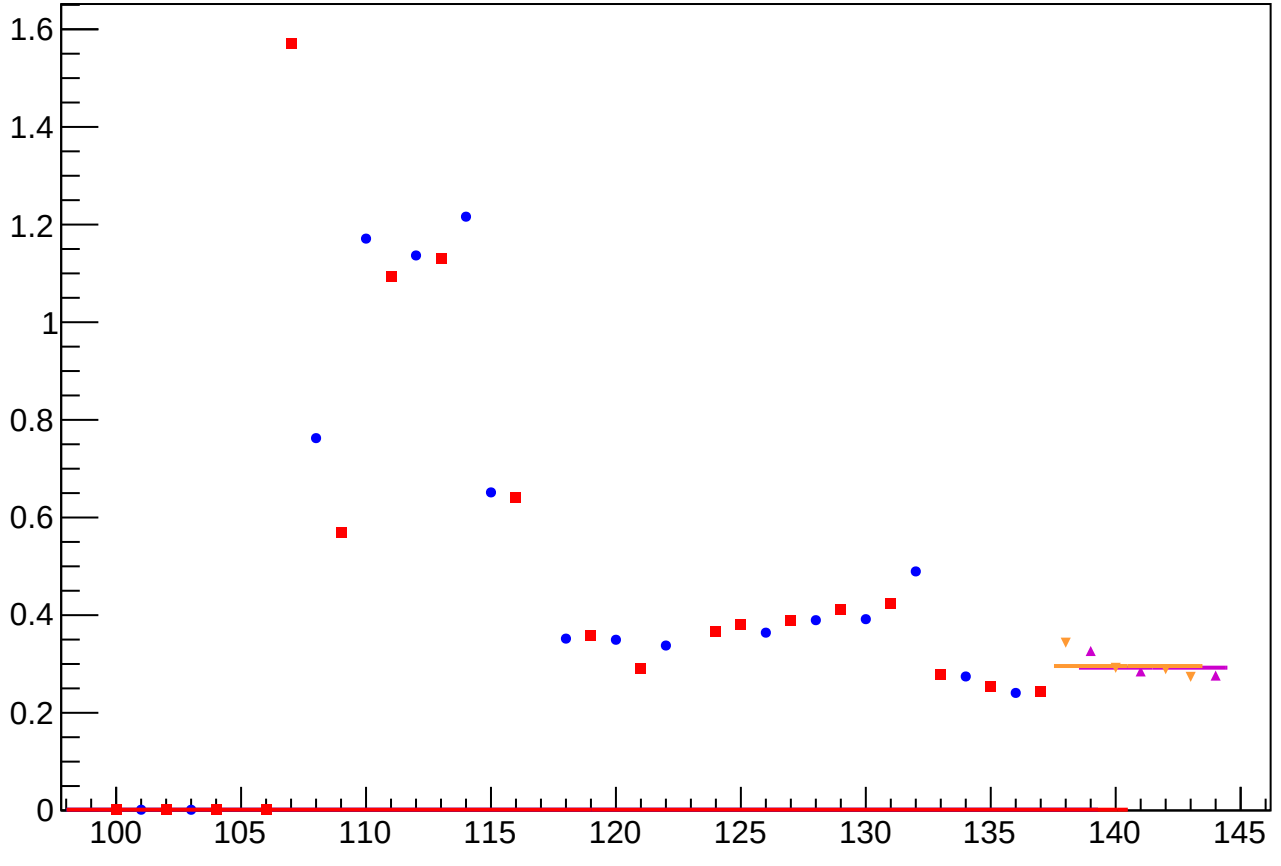
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.654+/-0.000 χ^2/NDF:631015117254.3/18

Out: 44.779+/-0.000 χ^2/NDF:366281923660023.3

All: 52.681+/-0.000 χ^2/NDF: 4180094910285

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:39673.3/3

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.292+/-0.000 χ^2/NDF:24958.3/2

Left: 0.294+/-0.000 χ^2/NDF: 64975.3/6

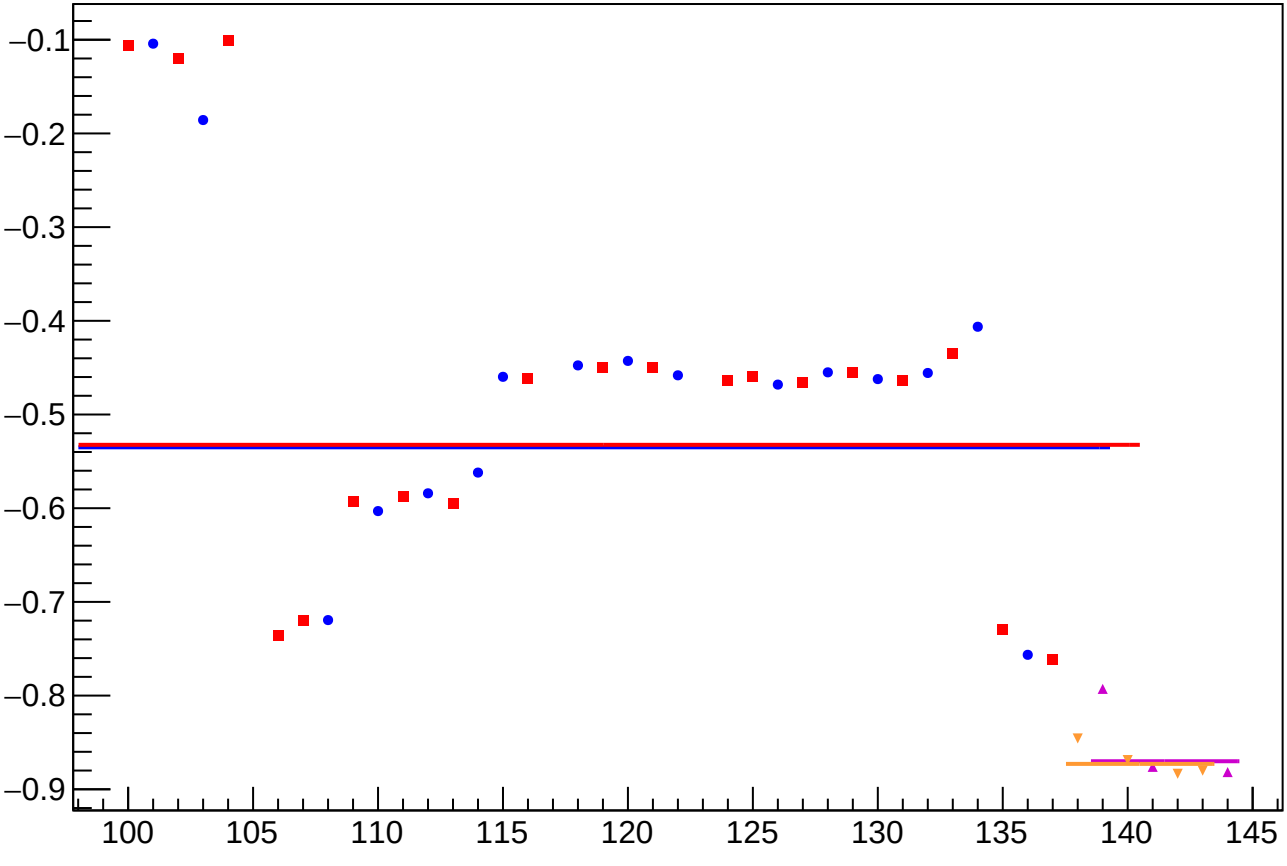
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:16002798.8/18

Out: 0.002+/-0.000 χ^2/NDF:15967906.6/22

All: 0.002+/-0.000 χ^2/NDF: 31970815.0/41

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.873+/-0.000 χ^2/NDF:835799.2/3

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.870+/-0.000 χ^2/NDF:3502127.5/2

Left: -0.872+/-0.000 χ^2/NDF: 4360038.2/6

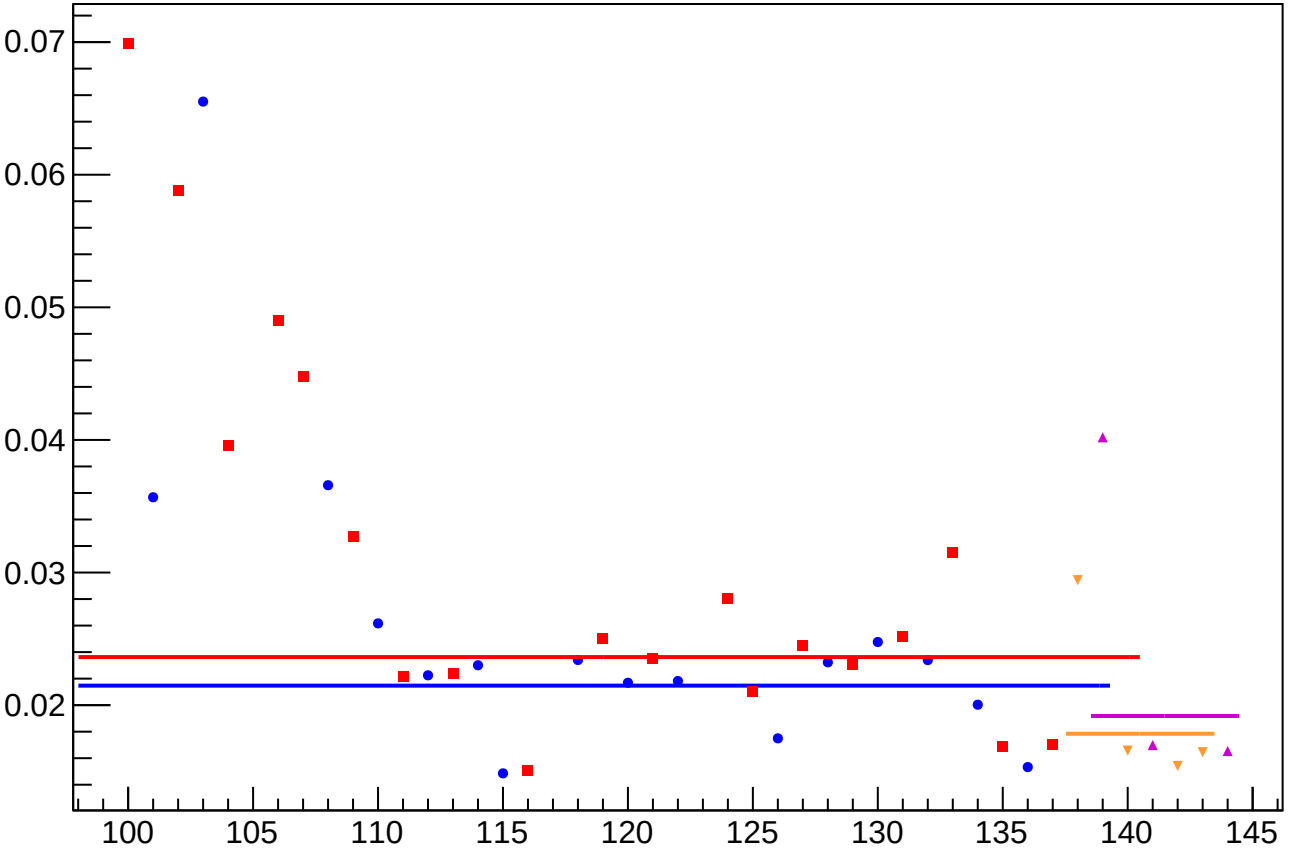
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.636+/-0.000 χ^2/NDF:697966395.9/18

Out: -0.663+/-0.000 χ^2/NDF:658951893.4/22

All: -0.649+/-0.000 χ^2/NDF: 1362798201.3/4

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:230196.0/3

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:513467.8/2

Left: 0.018+/-0.000 χ^2/NDF: 753632.3/6

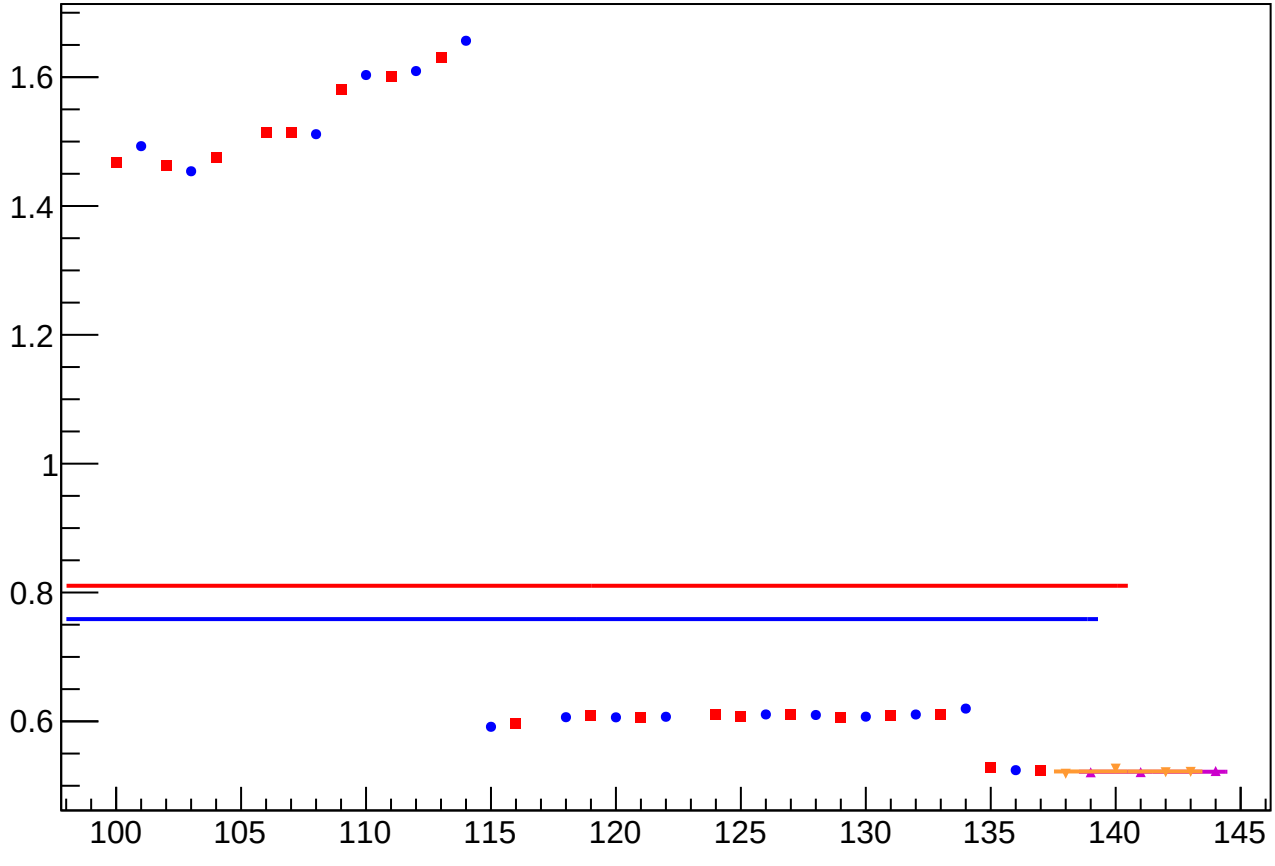
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704153.7/18

Out: 0.021+/-0.000 χ^2/NDF:1763410.6/22

All: 0.021+/-0.000 χ^2/NDF: 3474056.8/41

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.522+/-0.000 χ^2/NDF:195549.2/3

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.522+/-0.000 χ^2/NDF:14951.0/2

Left: 0.522+/-0.000 χ^2/NDF: 212552.7/6

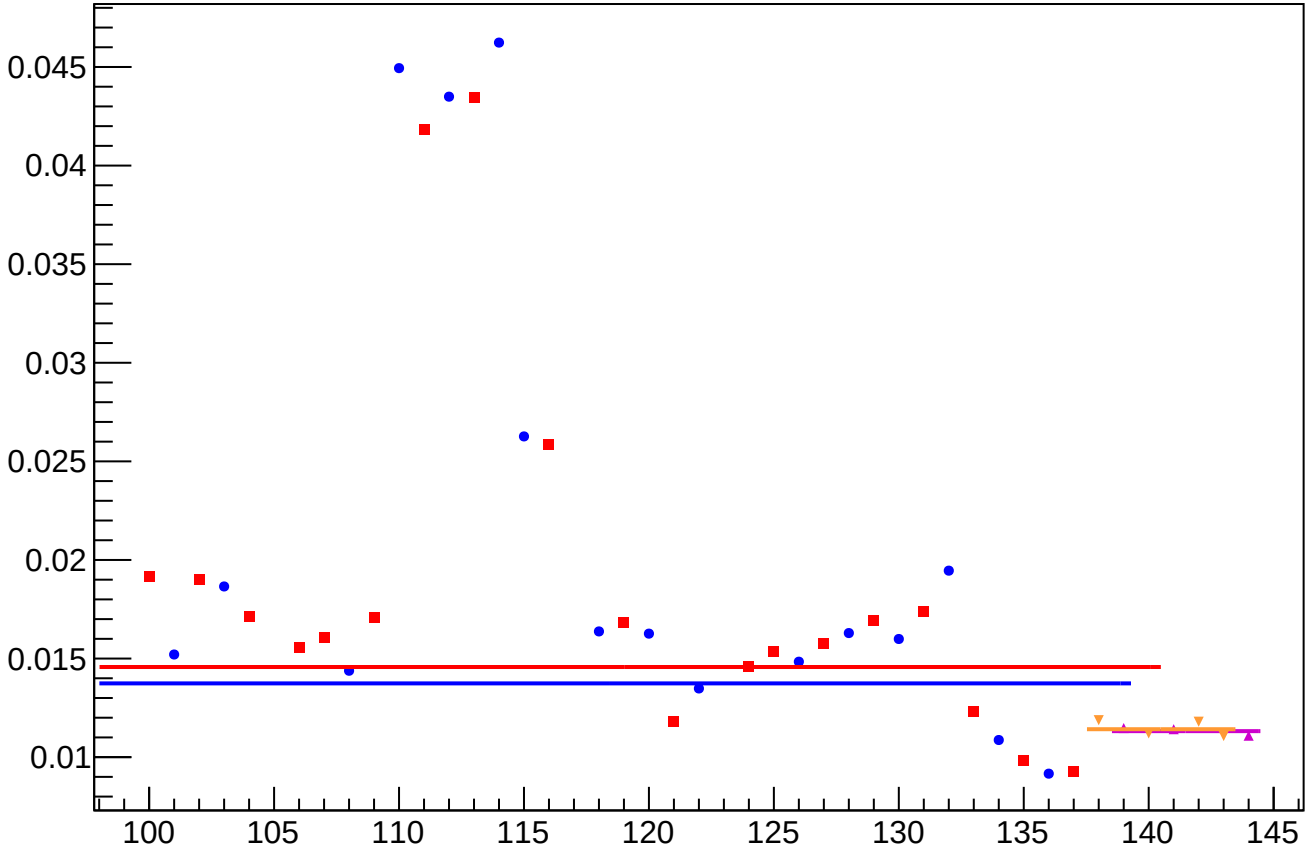
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.667+/-0.000 χ^2/NDF:4987215597.4/18

Out: 0.690+/-0.000 χ^2/NDF:5791267129.3/22

All: 0.678+/-0.000 χ^2/NDF: 10791400207.6/4

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:5233.7/3

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.011+/-0.000 χ^2/NDF:1190.3/2

Left: 0.011+/-0.000 χ^2/NDF: 6619.3/6

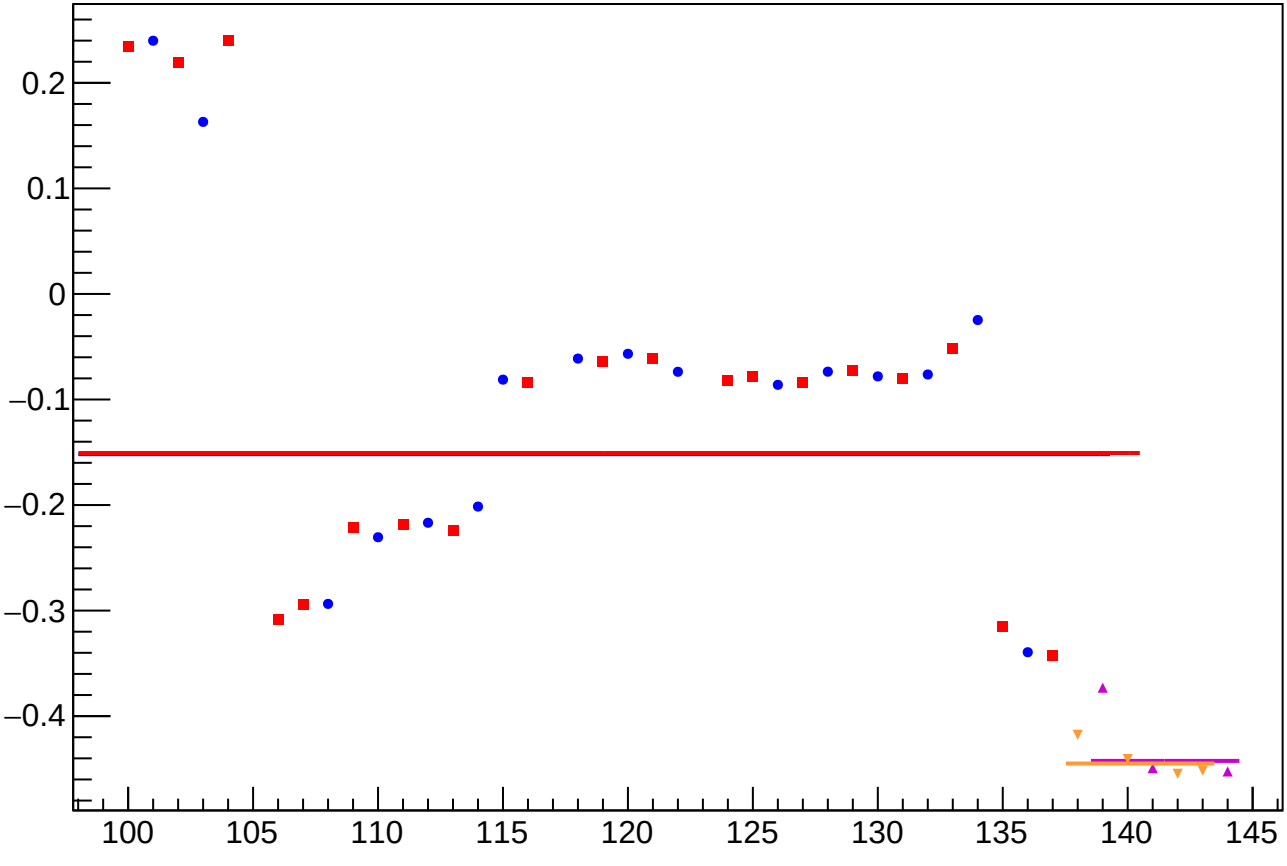
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1793627.2/18

Out: 0.013+/-0.000 χ^2/NDF:1705024.0/22

All: 0.013+/-0.000 χ^2/NDF: 3508723.6/41

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.445+/-0.000 χ^2/NDF:887799.2/3

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.442+/-0.000 χ^2/NDF:3459071.4/2

Left: -0.444+/-0.000 χ^2/NDF: 4365943.2/6

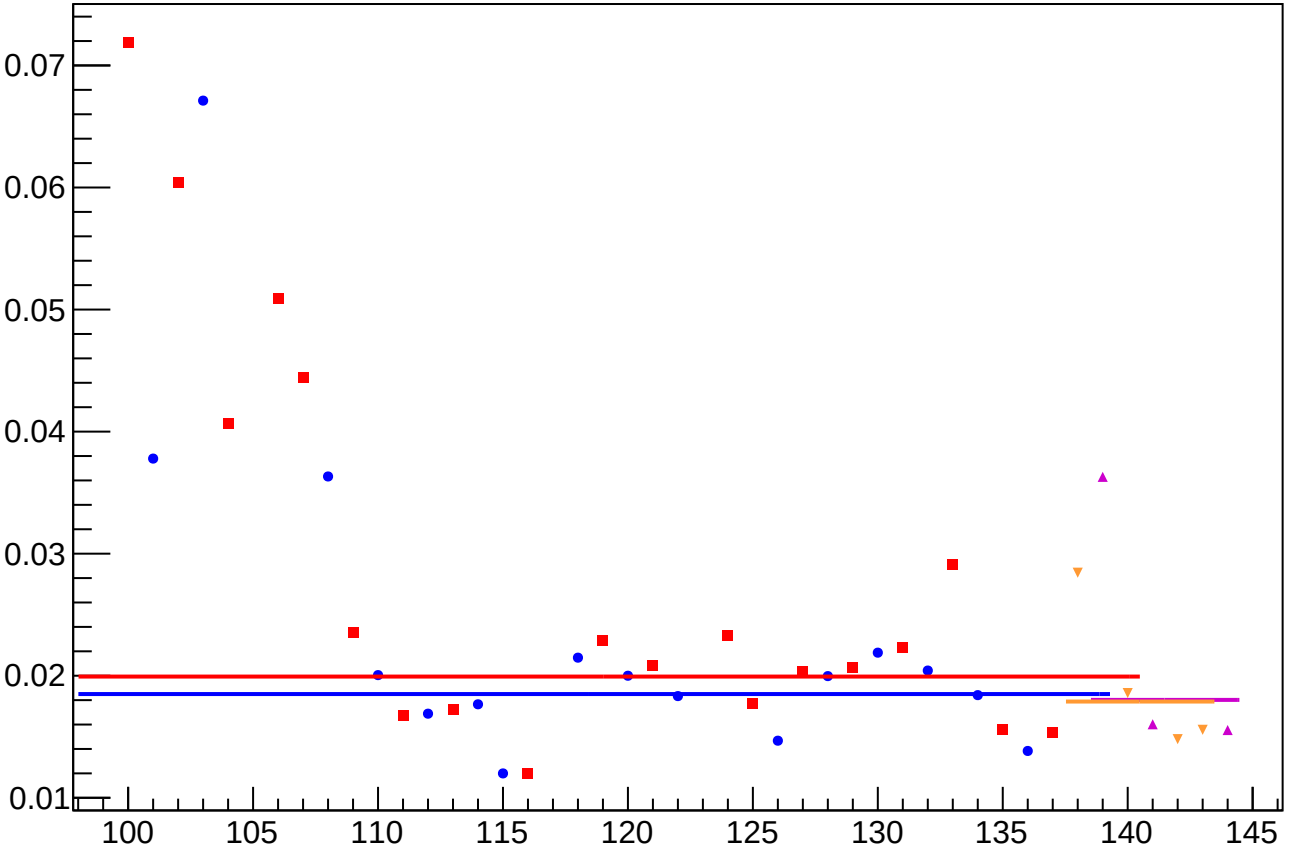
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.231+/-0.000 χ^2/NDF:637151241.7/18

Out: -0.245+/-0.000 χ^2/NDF:580969427.2/22

All: -0.238+/-0.000 χ^2/NDF: 1220038266.7/4

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:239145.4/3

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:479071.4/2

Left: 0.018+/-0.000 χ^2/NDF: 718328.6/6

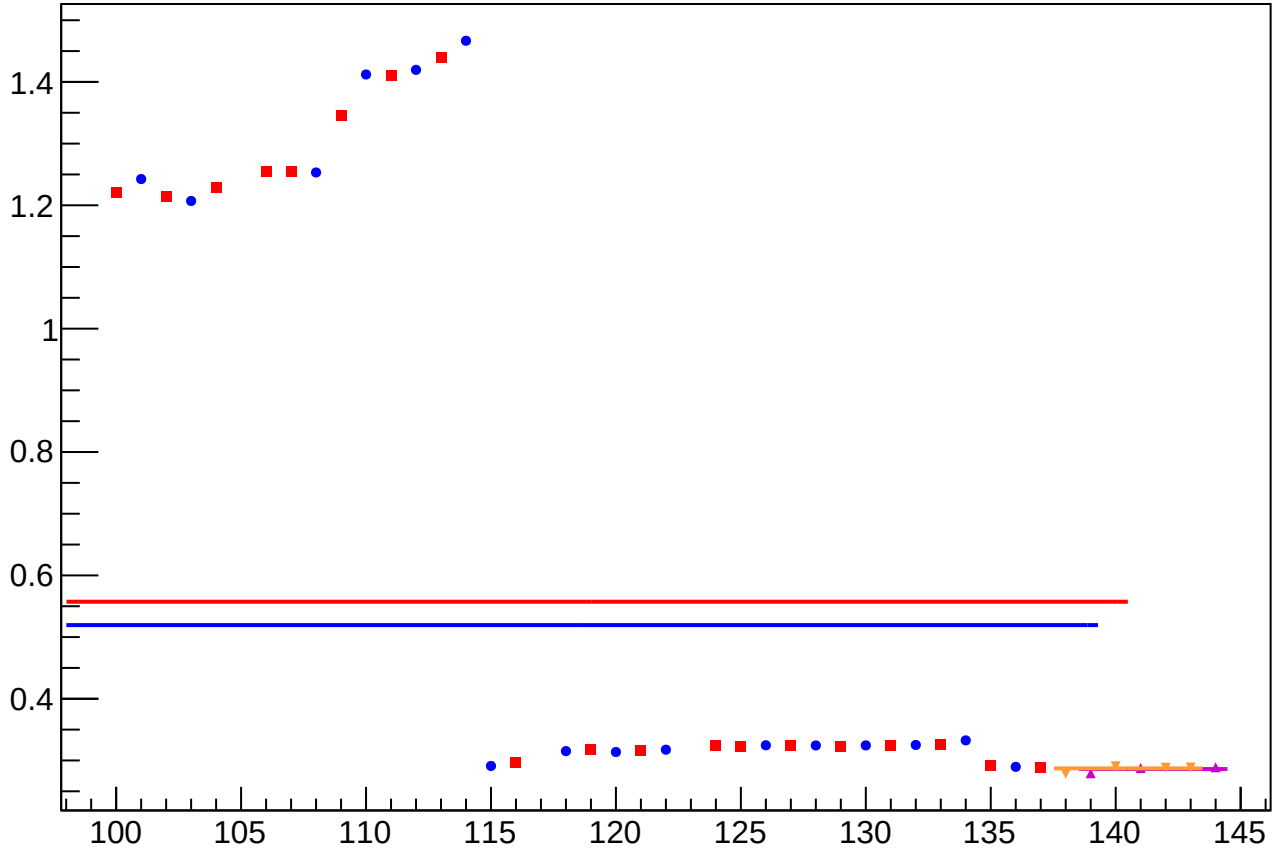
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:1853365.4/18

Out: 0.019+/-0.000 χ^2/NDF:1823549.2/22

All: 0.019+/-0.000 χ^2/NDF: 3693958.6/41

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.287+/-0.000 χ^2/NDF:404054.8/3

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.286+/-0.000 χ^2/NDF:332026.4/2

Left: 0.287+/-0.000 χ^2/NDF: 748961.2/6

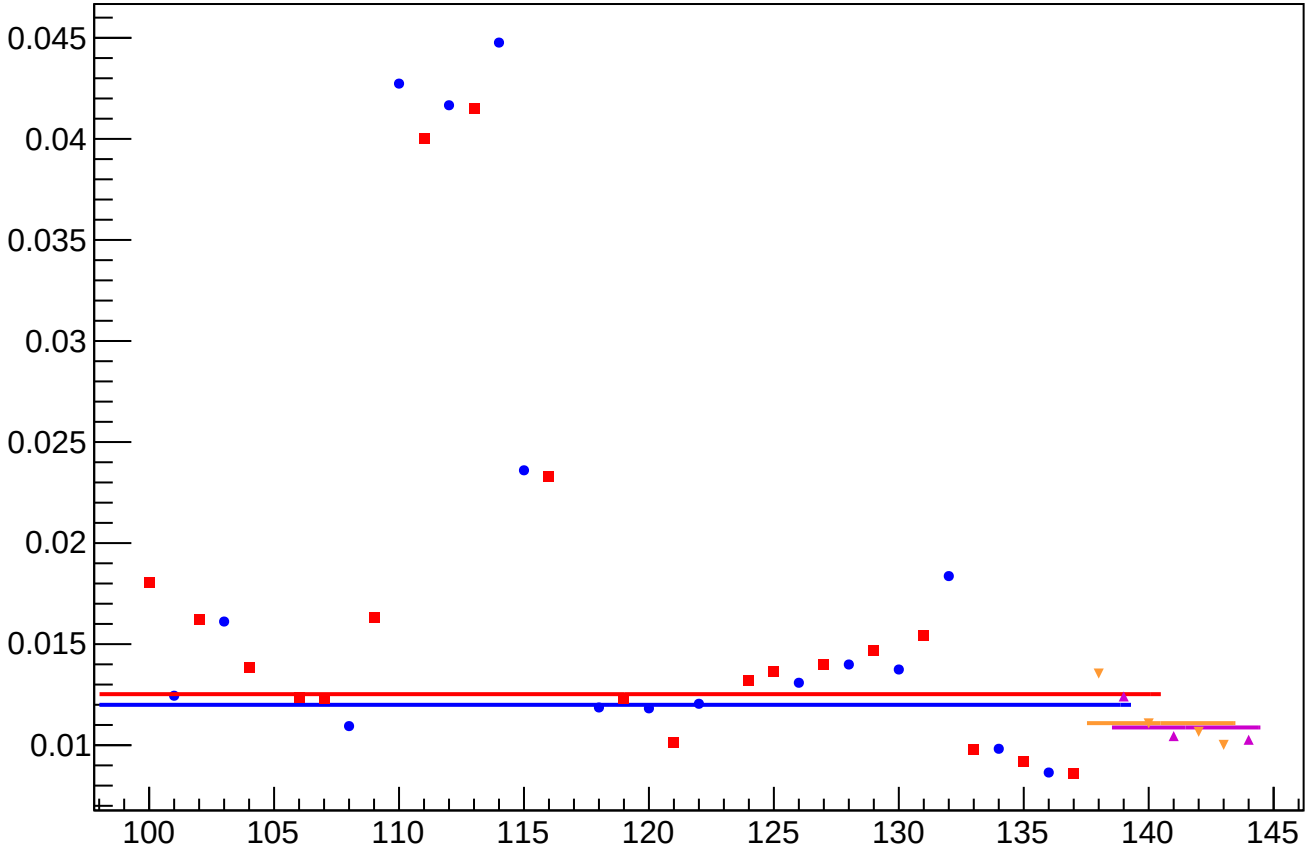
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.441+/-0.000 χ^2/NDF:7078672050.7/18

Out: 0.460+/-0.000 χ^2/NDF:7772222553.7/22

All: 0.450+/-0.000 χ^2/NDF: 14862263044.6/4

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:68167.9/3

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:33776.0/2

Left: 0.011+/-0.000 χ^2/NDF: 102925.7/6

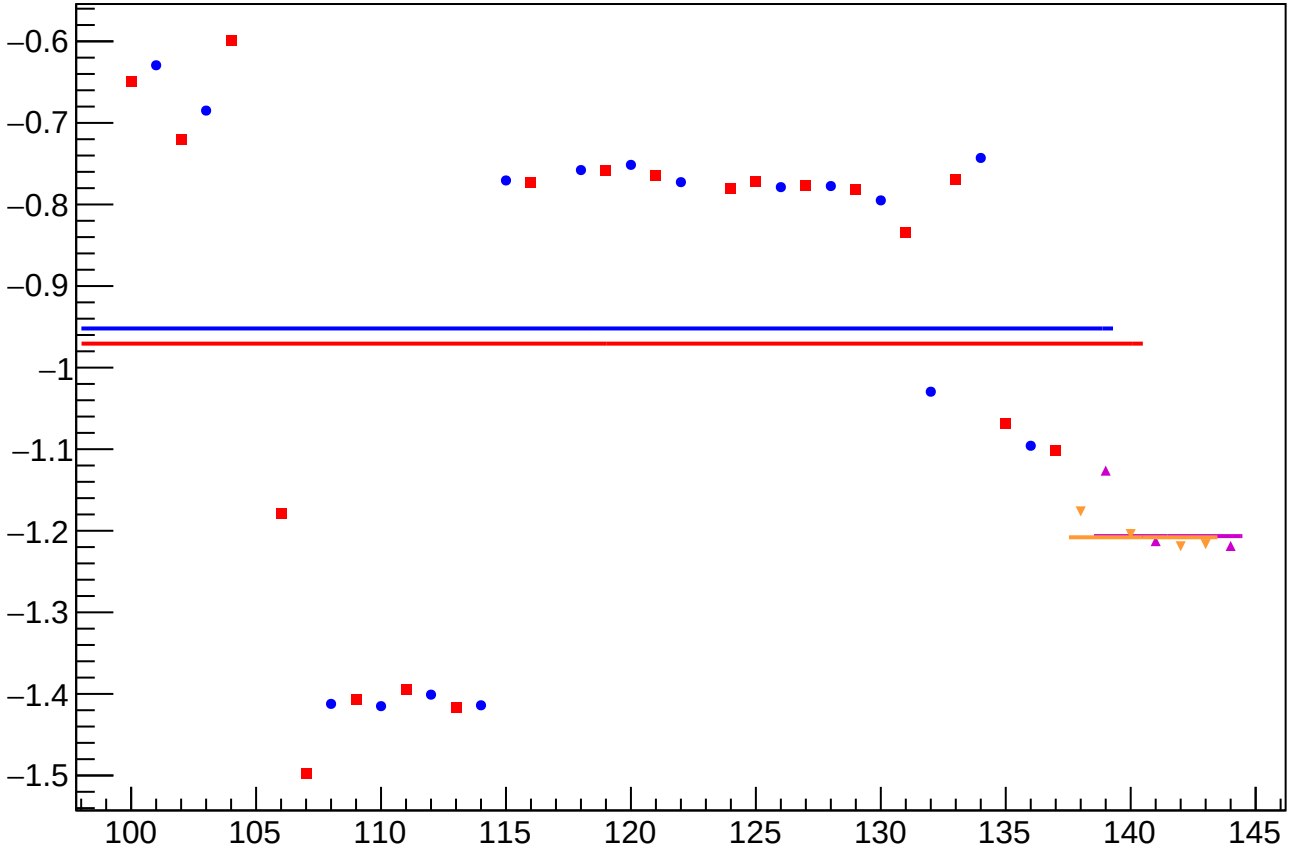
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1560365.9/18

Out: 0.012+/-0.000 χ^2/NDF:1560201.5/22

All: 0.012+/-0.000 χ^2/NDF: 3129893.2/41

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.208+/-0.000 χ^2/NDF:1145949.5/3

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.207+/-0.000 χ^2/NDF:3971319.3/2

Left: -1.207+/-0.000 χ^2/NDF: 5123414.3/6

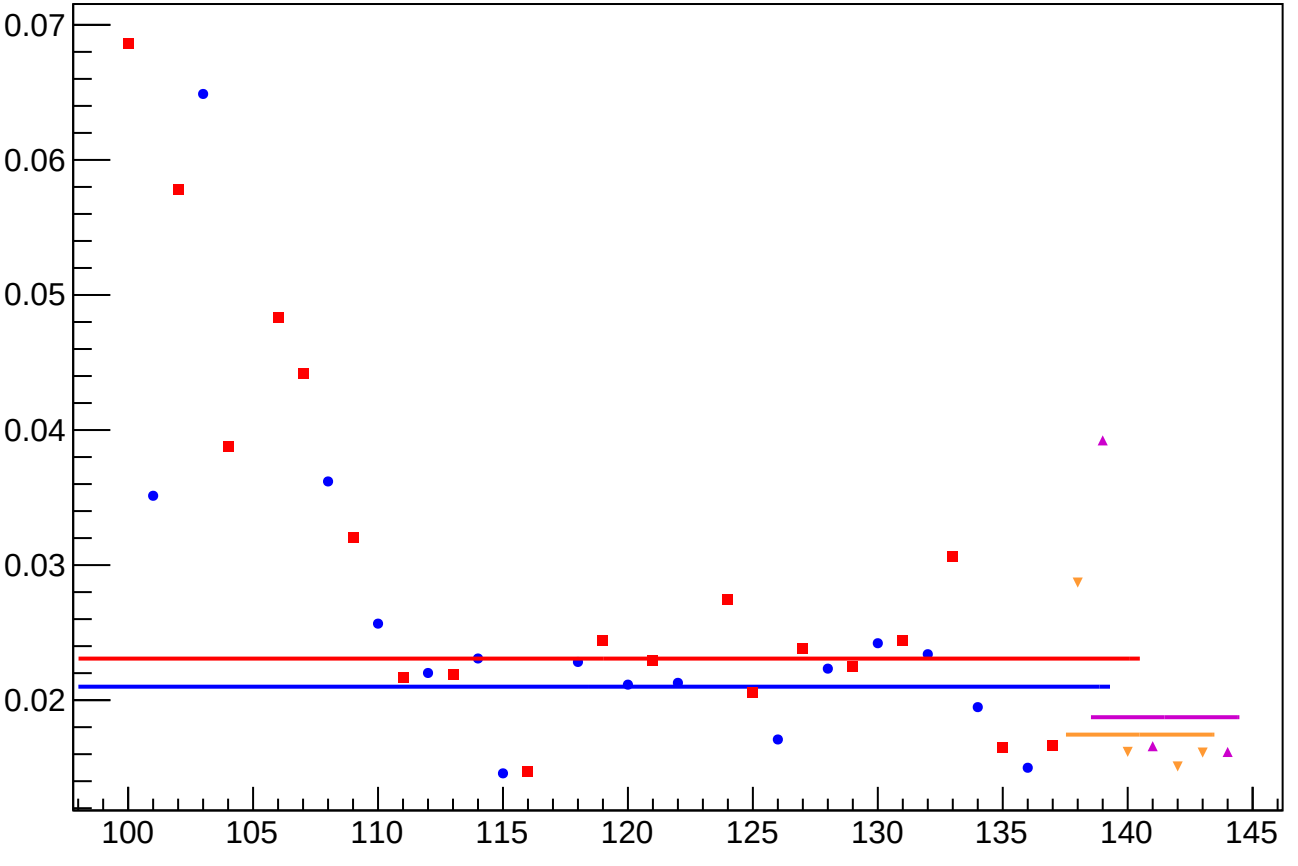
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.029+/-0.000 χ^2/NDF:941354012.0/18

Out: -1.062+/-0.000 χ^2/NDF:941440537.0/22

All: -1.045+/-0.000 χ^2/NDF: 1891971749.2/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.017+/-0.000 χ^2/NDF:228581.9/3

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:512782.2/2

Left: 0.018+/-0.000 χ^2/NDF: 751020.8/6

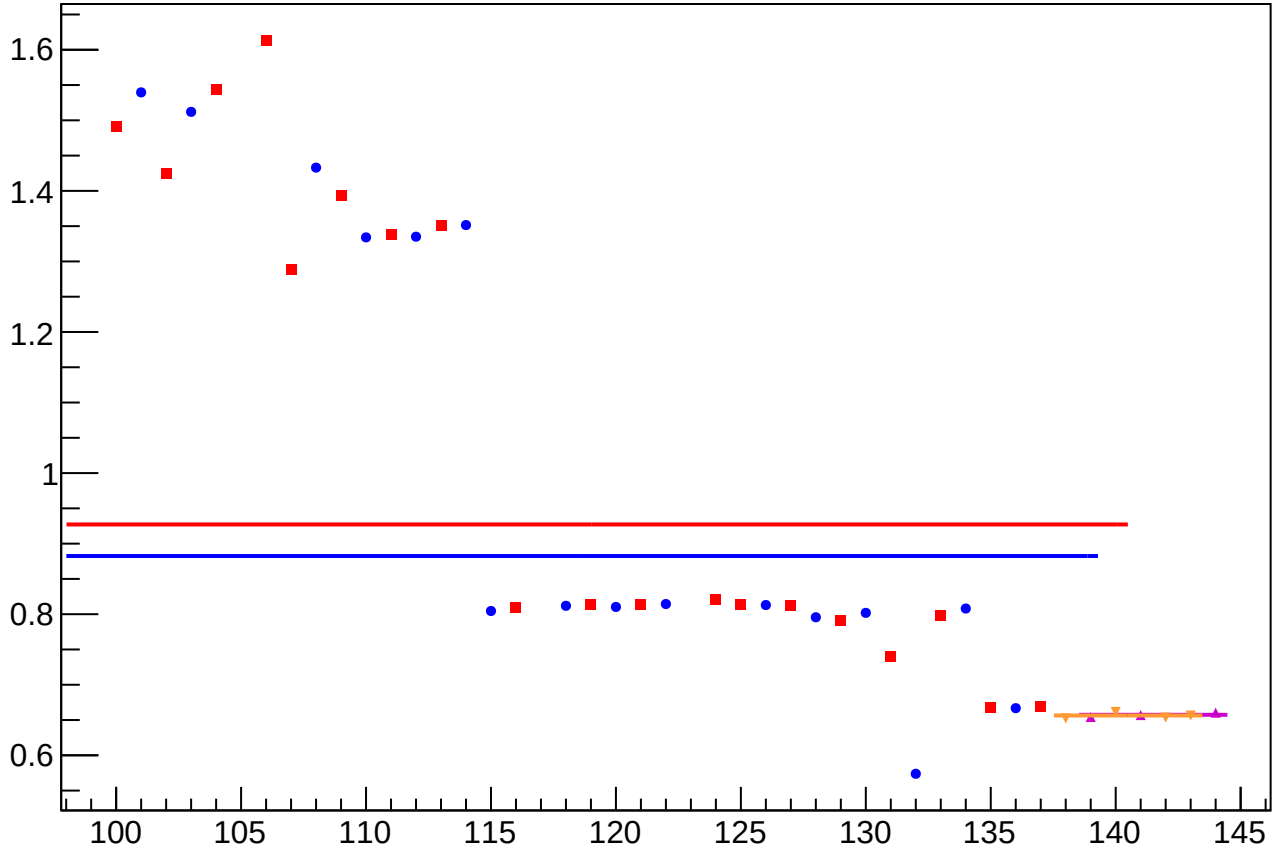
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717293.0/18

Out: 0.021+/-0.000 χ^2/NDF:1763710.9/22

All: 0.021+/-0.000 χ^2/NDF: 3487255.3/41

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:275038.1/3

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.657+/-0.000 χ^2/NDF:122421.4/2

Left: 0.657+/-0.000 χ^2/NDF: 406573.8/6

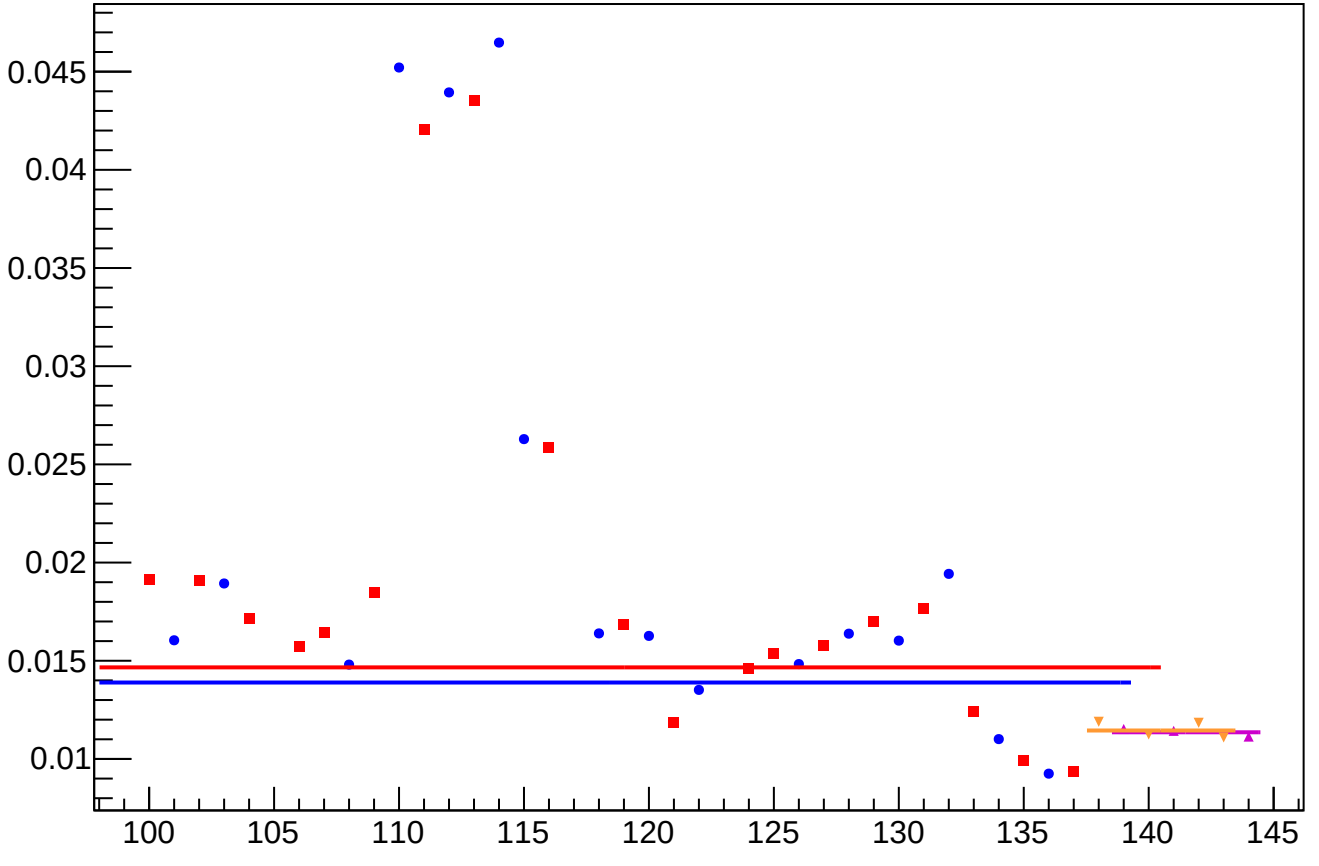
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.795+/-0.000 χ^2/NDF:3391676684.0/18

Out: 0.813+/-0.000 χ^2/NDF:3655126213.5/22

All: 0.804+/-0.000 χ^2/NDF: 7055341760.5/41

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:5146.3/3

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.011+/-0.000 χ^2/NDF:1091.8/2

Left: 0.011+/-0.000 χ^2/NDF: 6405.2/6

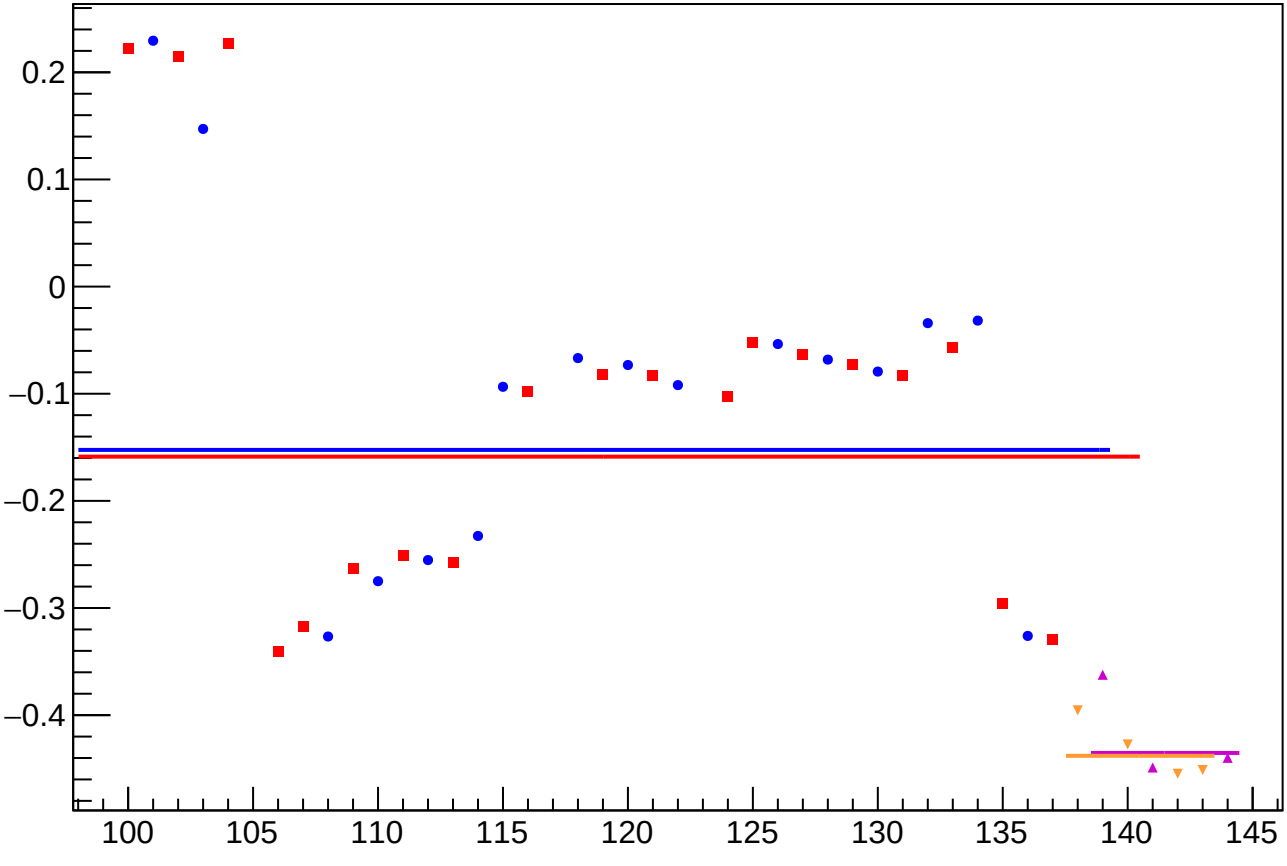
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1801758.4/18

Out: 0.013+/-0.000 χ^2/NDF:1723589.1/22

All: 0.013+/-0.000 χ^2/NDF: 3533581.3/41

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.438+/-0.000 χ^2/NDF:2500992.2/3

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.435+/-0.000 χ^2/NDF:3806540.8/2

Left: -0.437+/-0.000 χ^2/NDF: 6329582.0/6

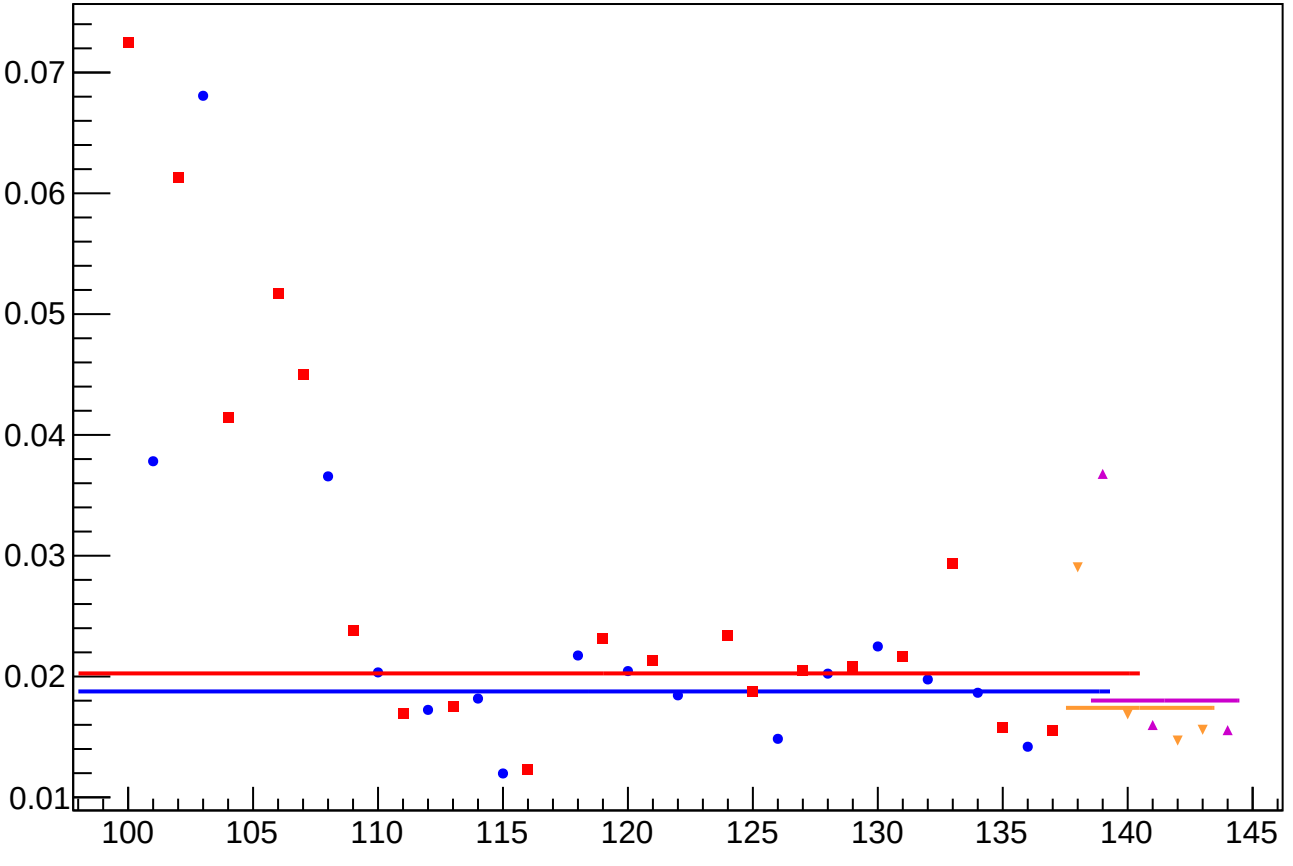
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.231+/-0.000 χ^2/NDF:612280165.8/18

Out: -0.252+/-0.000 χ^2/NDF:545176033.4/22

All: -0.242+/-0.000 χ^2/NDF: 1162020892.5/4

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:255243.7/3

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:489682.7/2

Left: 0.018+/-0.000 χ^2/NDF: 747204.8/6

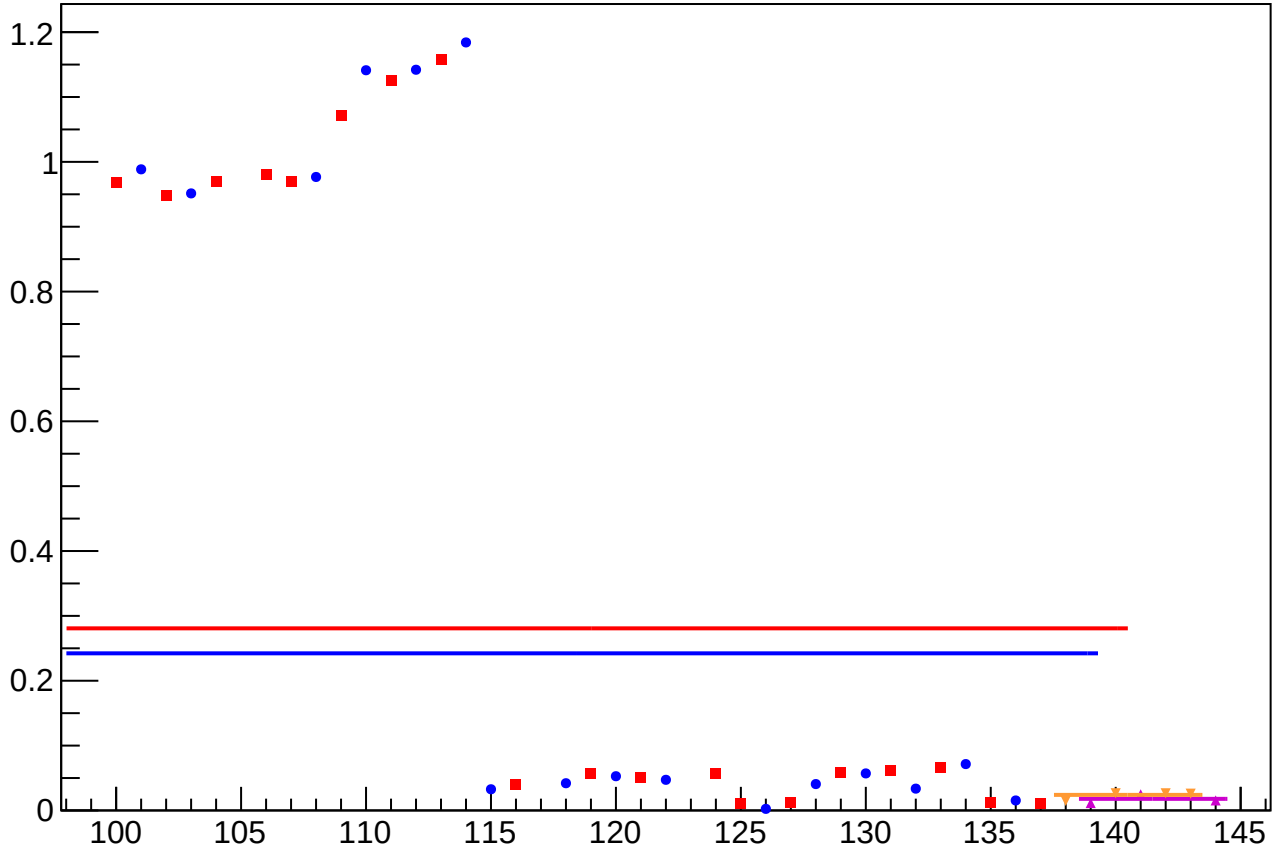
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1843833.7/18

Out: 0.019+/-0.000 χ^2/NDF:1857226.3/22

All: 0.019+/-0.000 χ^2/NDF: 3712378.8/41

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.024+/-0.000 χ^2/NDF:483876.1/3

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.018+/-0.000 χ^2/NDF:674114.9/2

Left: 0.021+/-0.000 χ^2/NDF: 1580518.3/6

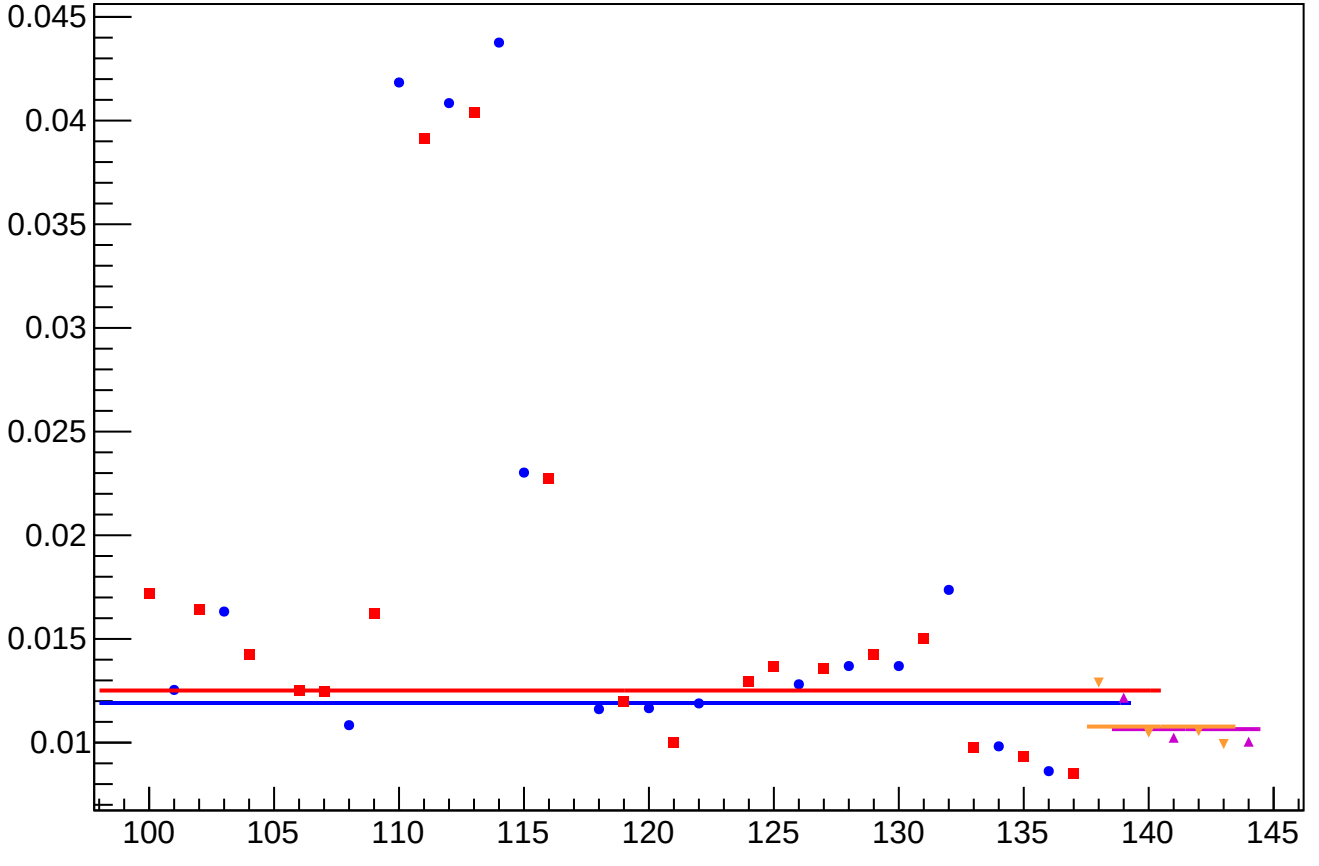
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.165+/-0.000 χ^2/NDF:7233737528.4/18

Out: 0.185+/-0.000 χ^2/NDF:7720365653.6/22

All: 0.175+/-0.000 χ^2/NDF: 14966323416.1/4

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:52975.8/3

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:34243.7/2

Left: 0.011+/-0.000 χ^2/NDF: 87563.3/6

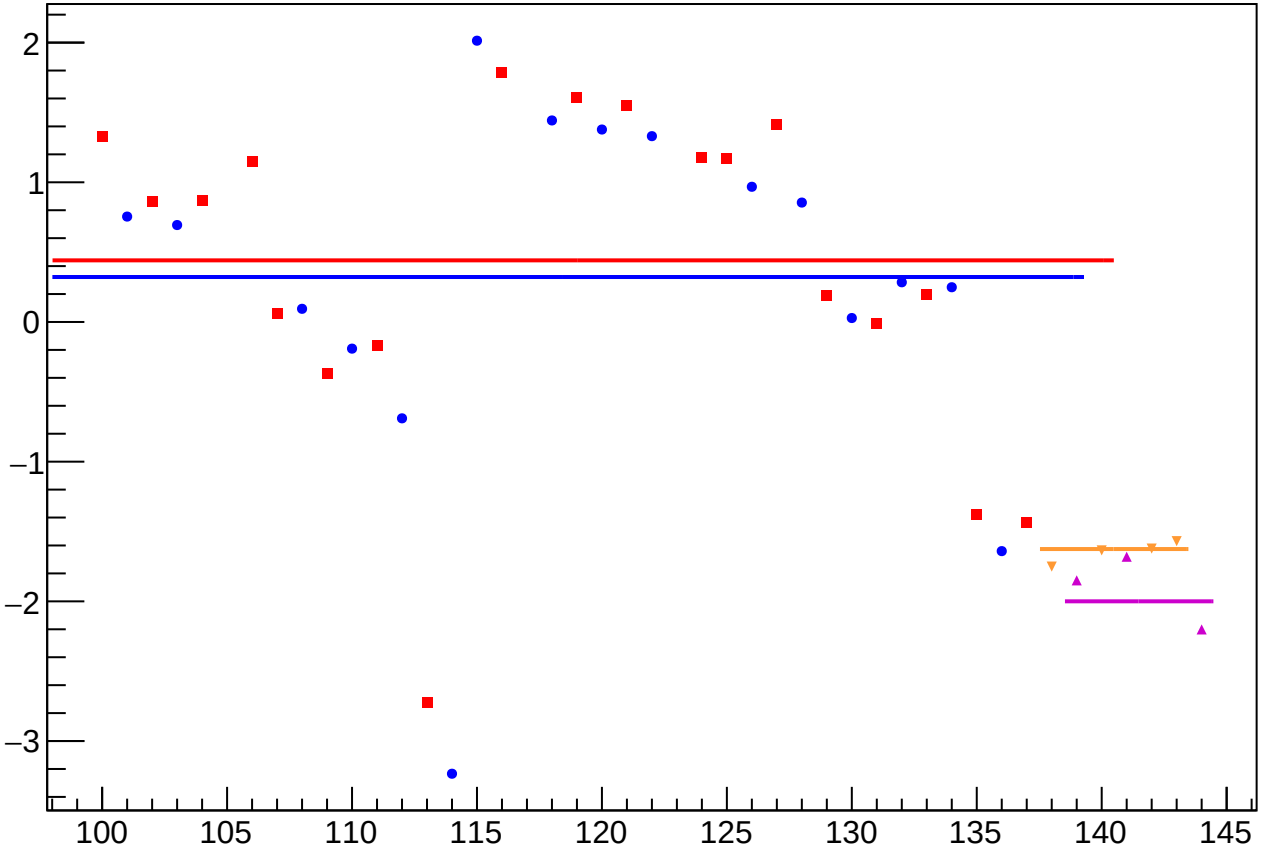
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1539439.9/18

Out: 0.012+/-0.000 χ^2/NDF:1533704.1/22

All: 0.012+/-0.000 χ^2/NDF: 3082554.2/41

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.626+/-0.000 χ^2/NDF:1013894.1/3

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -2.000+/-0.000 χ^2/NDF:23723629.8/2

Left: -1.827+/-0.000 χ^2/NDF: 50287313.8/6

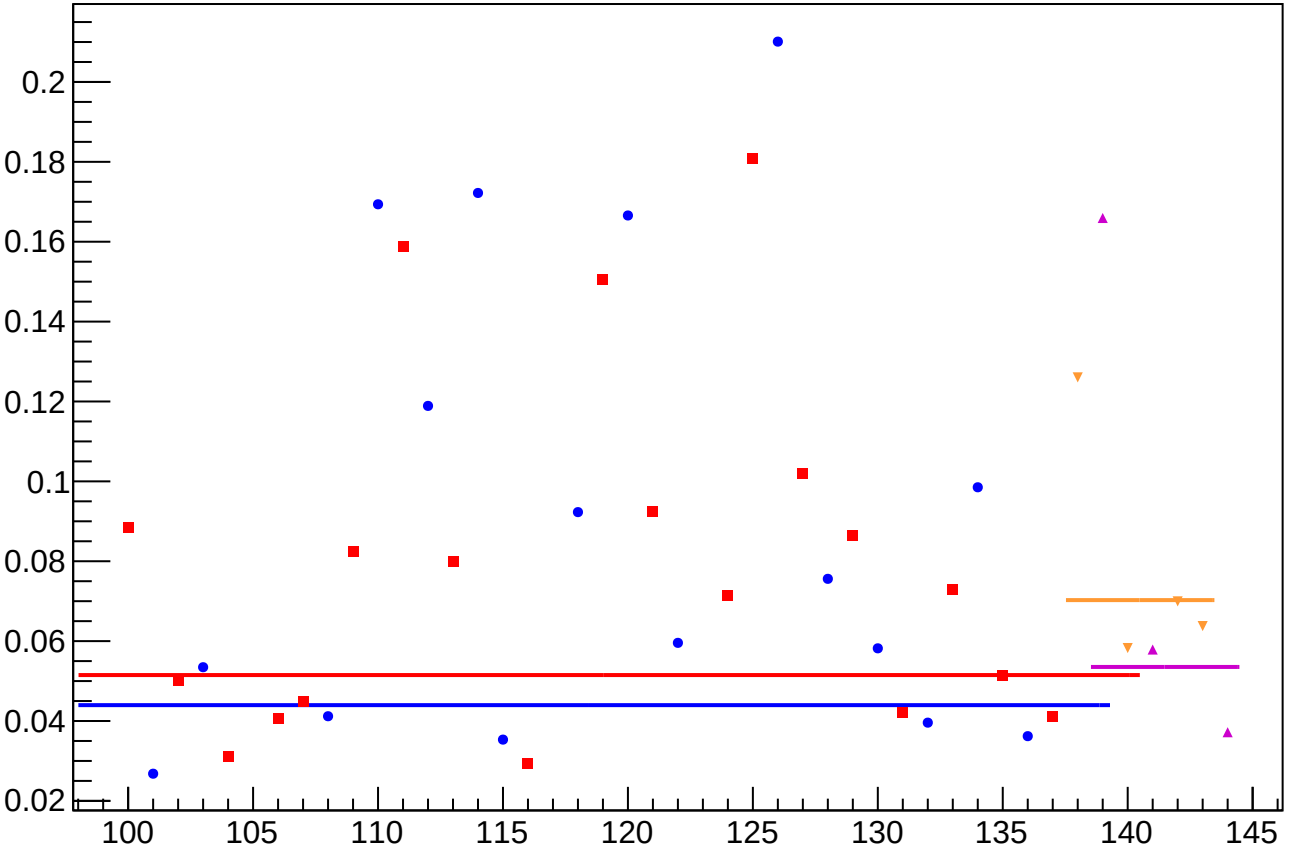
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: -0.064+/-0.000 χ^2/NDF:3468362403.3/18

Out: 0.089+/-0.000 χ^2/NDF:2995525510.2/22

All: 0.005+/-0.000 χ^2/NDF: 6489329072.2/41

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.070+/-0.000 χ^2/NDF:302792.1/3

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.054+/-0.000 χ^2/NDF:857363.7/2

Left: 0.061+/-0.000 χ^2/NDF: 1262288.9/6

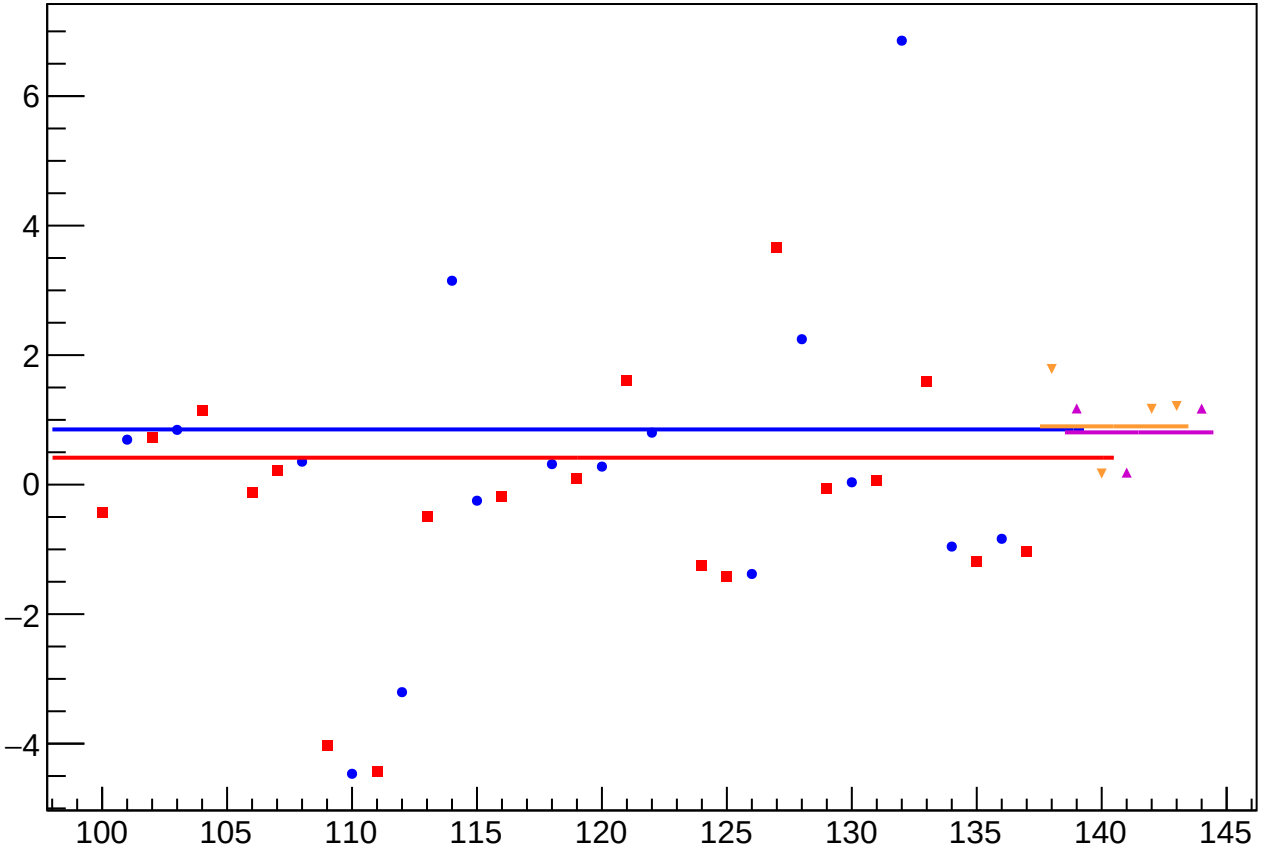
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.046+/-0.000 χ^2/NDF:3705228.9/18

Out: 0.055+/-0.000 χ^2/NDF:2867789.8/22

All: 0.050+/-0.000 χ^2/NDF: 6753737.4/41

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.900+/-0.000 χ^2/NDF:185789824.7/3

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.807+/-0.000 χ^2/NDF:113521232.3/2

Left: 0.855+/-0.000 χ^2/NDF: 301544740.0/6

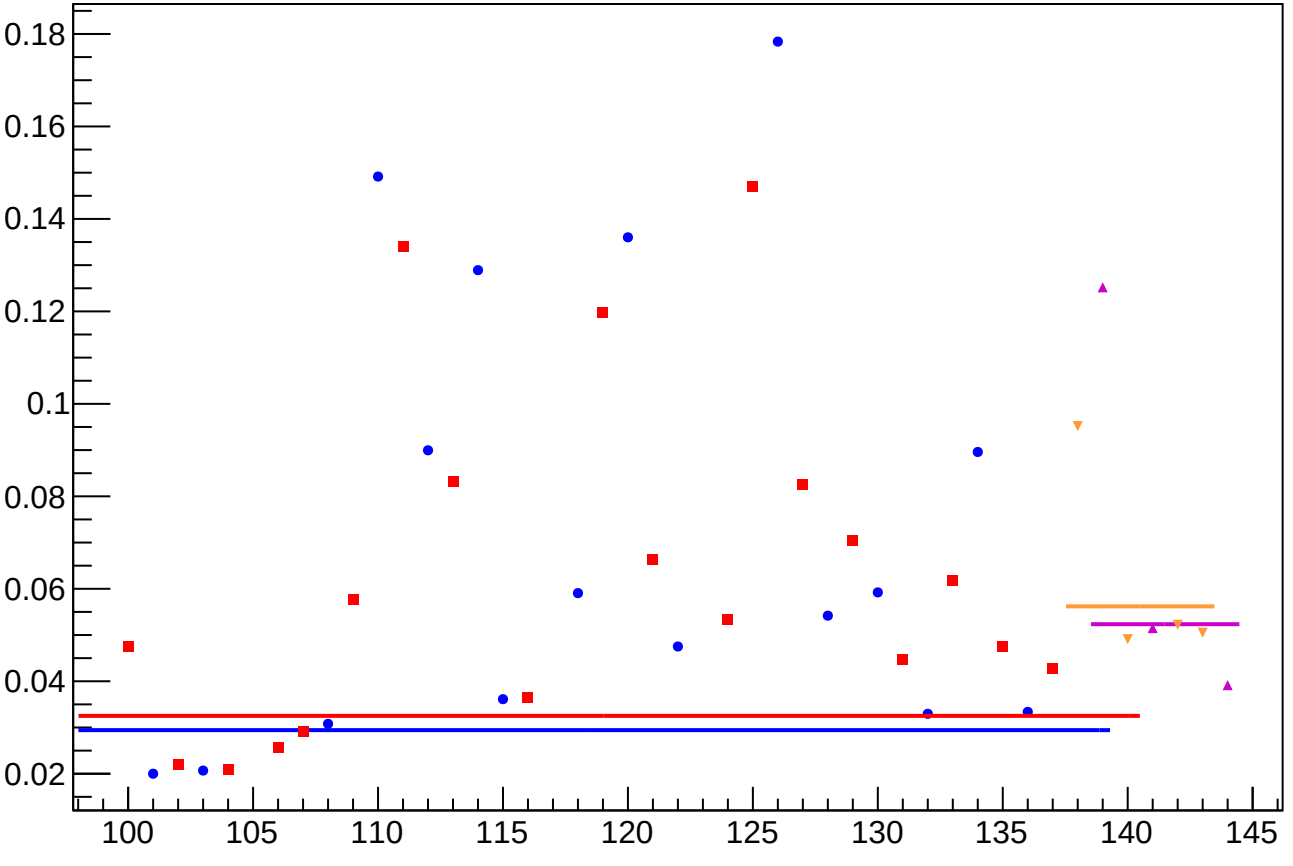
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.848+/-0.000 χ^2/NDF:11690479834.6/18

Out: 0.475+/-0.000 χ^2/NDF:5419071043.5/22

All: 0.668+/-0.000 χ^2/NDF: 17428893076.4/4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.056+/-0.000 χ^2/NDF:252047.2/3

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.052+/-0.000 χ^2/NDF:617749.9/2

Left: 0.054+/-0.000 χ^2/NDF: 877497.1/6

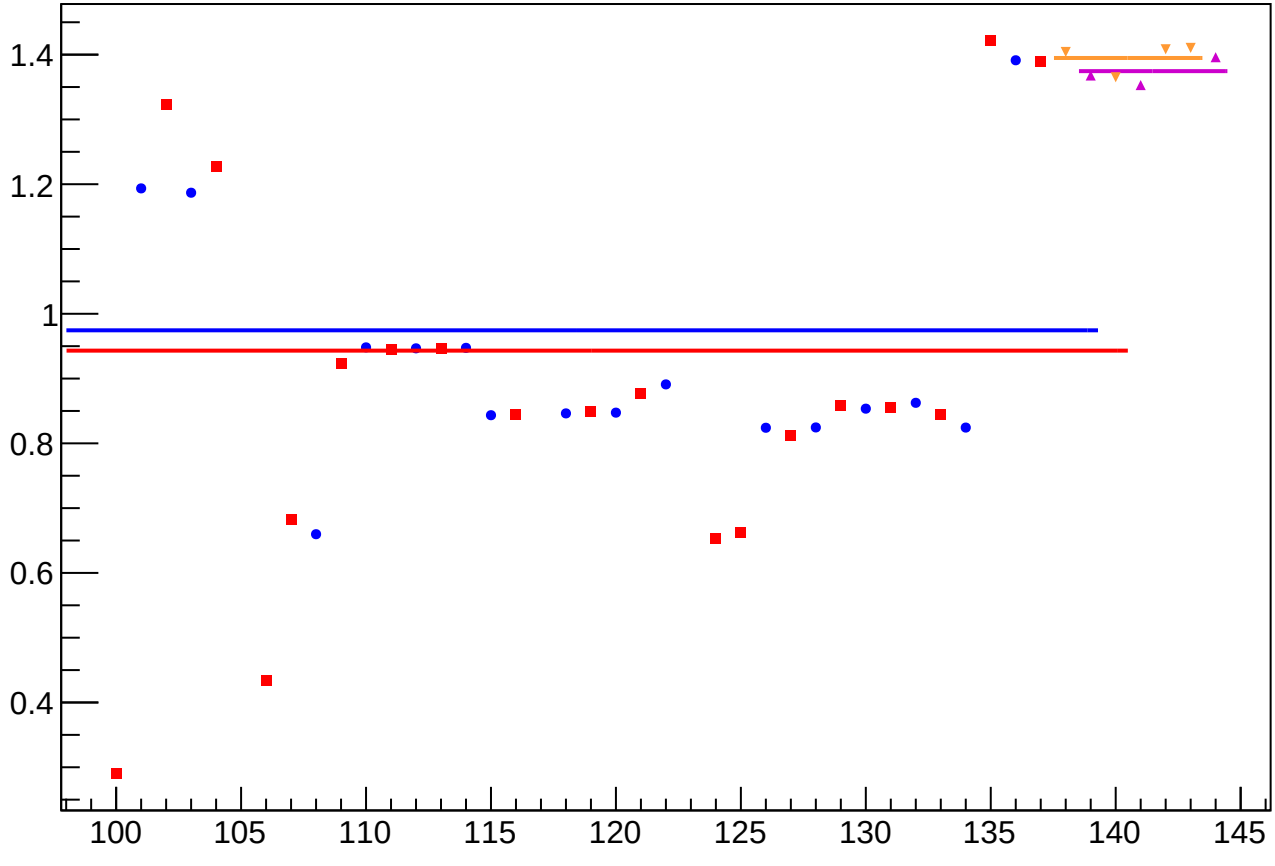
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.032+/-0.000 χ^2/NDF:4277251.1/18

Out: 0.035+/-0.000 χ^2/NDF:4101009.7/22

All: 0.034+/-0.000 χ^2/NDF: 8437178.8/41

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.395+/-0.000 χ^2/NDF:6192797.5/3

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.375+/-0.000 χ^2/NDF:5470052.3/2

Left: 1.386+/-0.000 χ^2/NDF: 14544617.7/6

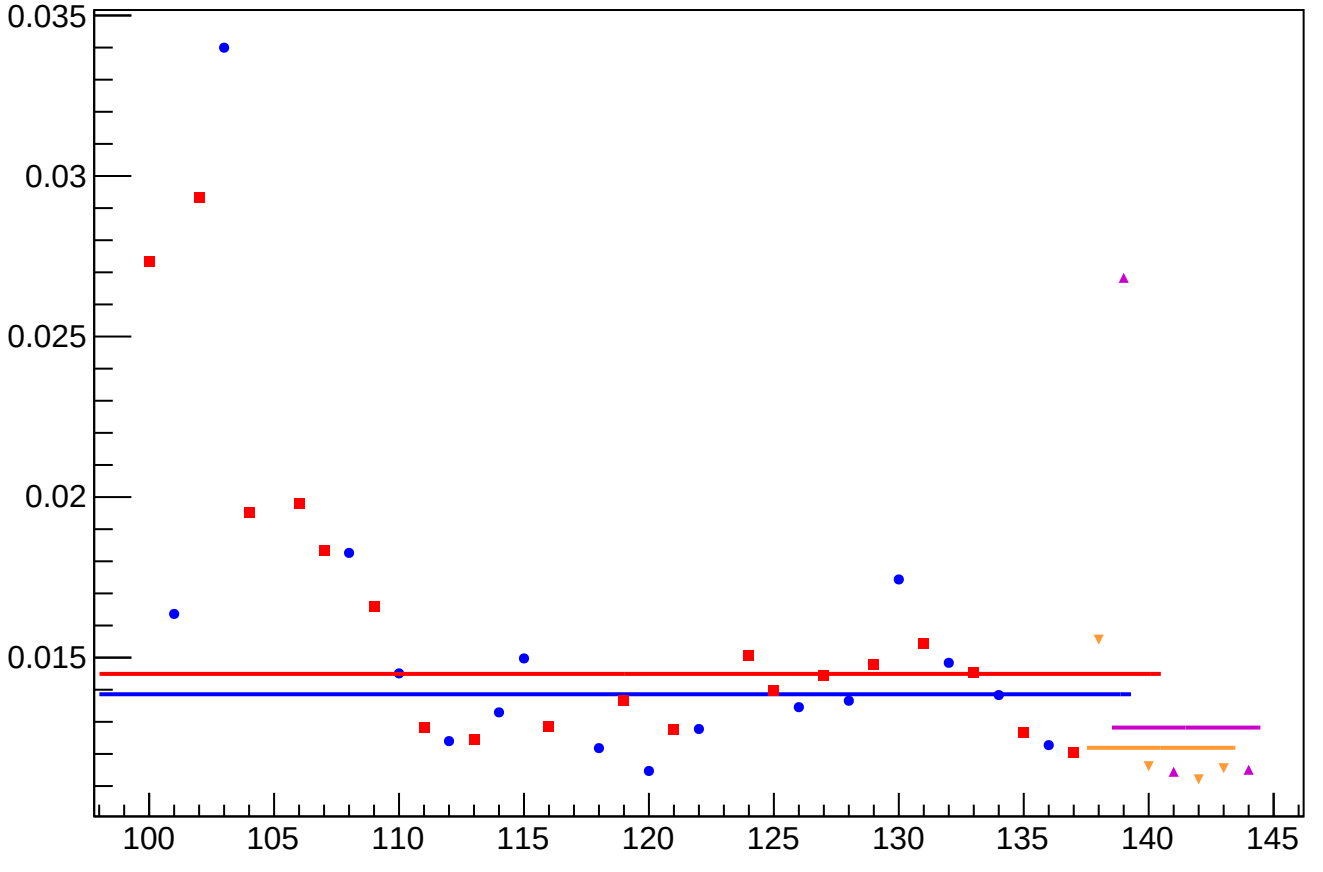
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.088+/-0.000 χ^2/NDF:2935999560.4/18

Out: 1.094+/-0.000 χ^2/NDF:3758399599.7/22

All: 1.091+/-0.000 χ^2/NDF: 6695200269.0/41

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:72116.7/3

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483393.9/2

Left: 0.012+/-0.000 χ^2/NDF: 561055.1/6

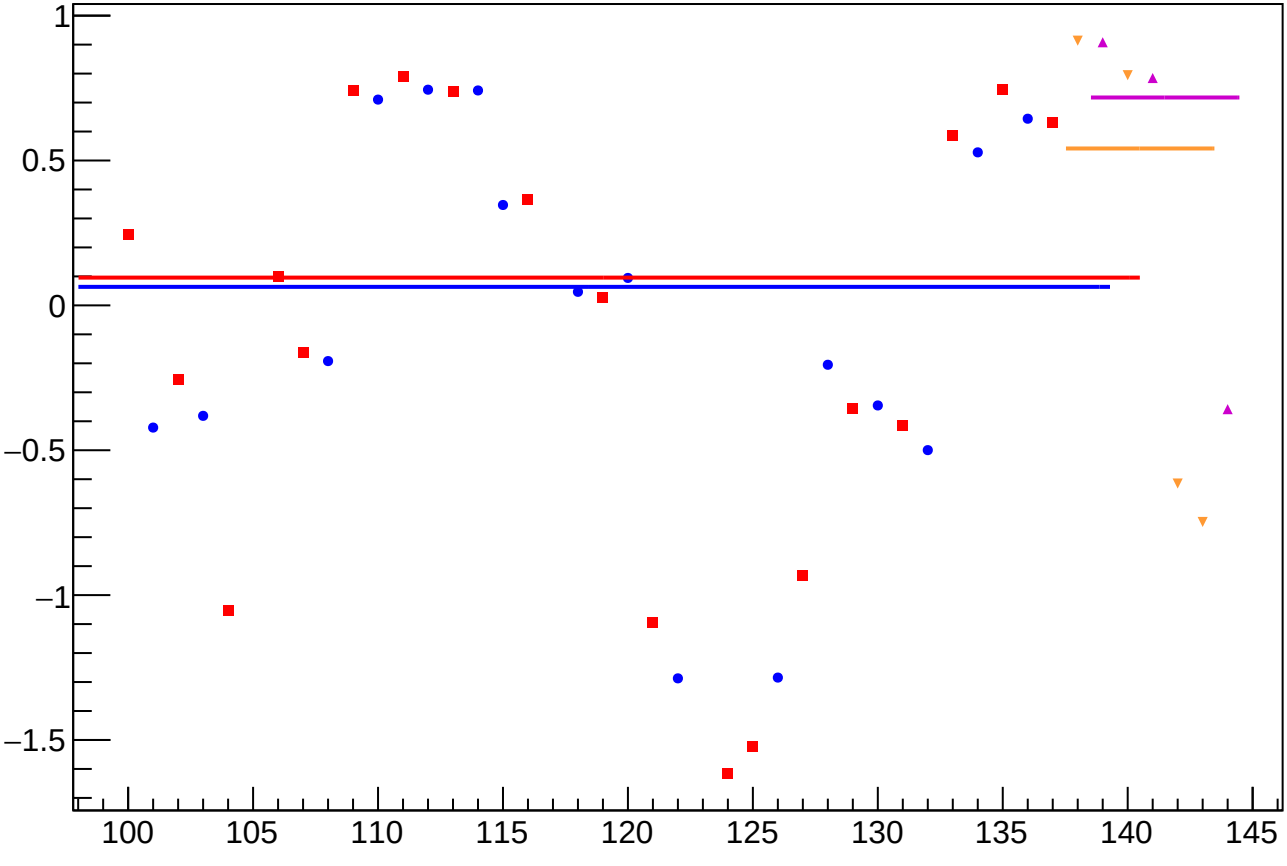
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1103191.1/18

Out: 0.014+/-0.000 χ^2/NDF:724553.3/22

All: 0.014+/-0.000 χ^2/NDF: 1828904.2/41

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.542+/-0.000 χ^2/NDF:13232411845.8/3

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.717+/-0.000 χ^2/NDF:7190869439.5/2

Left: 0.640+/-0.000 χ^2/NDF: 20943874932.2/6

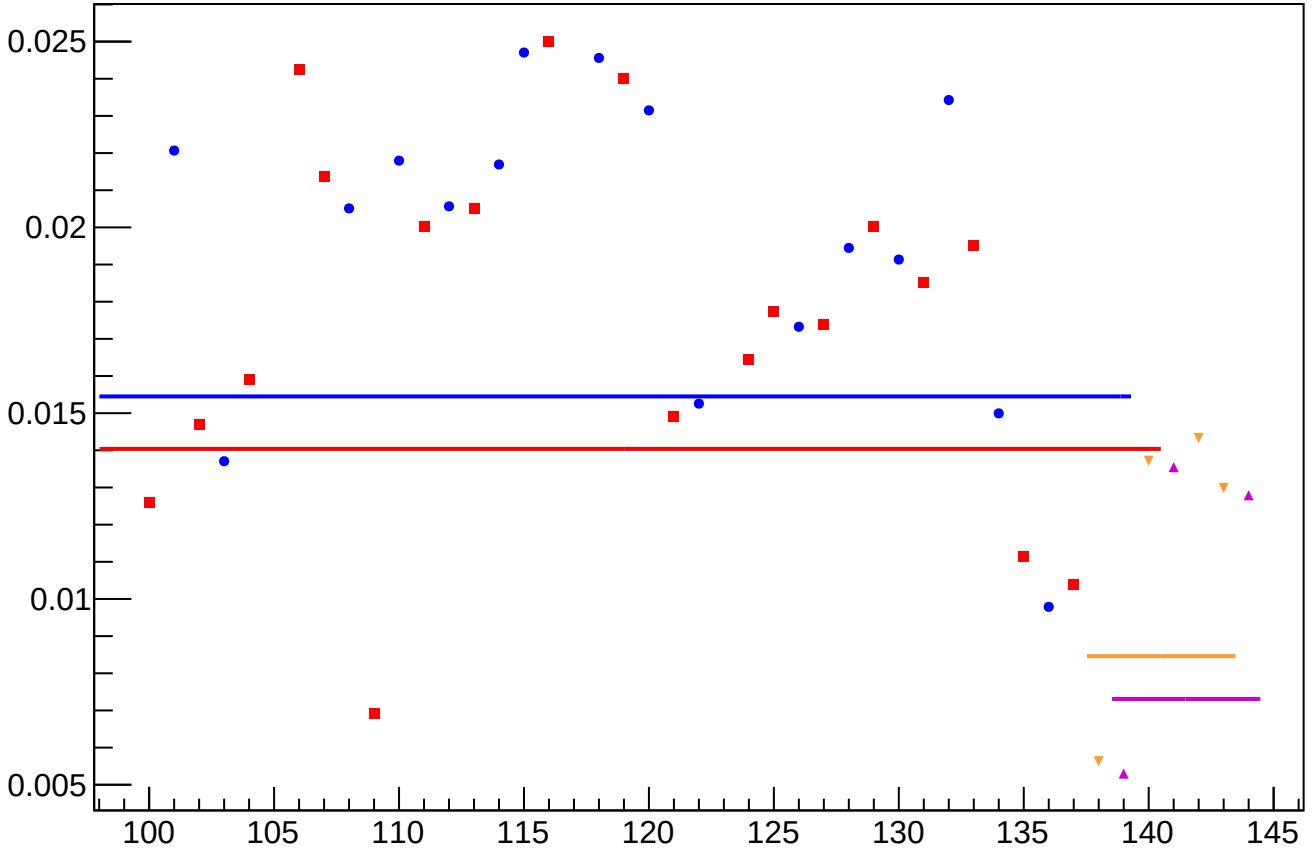
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.458+/-0.000 χ^2/NDF:24702888963.1/18

Out: 0.320+/-0.000 χ^2/NDF:33991280513.8/22

All: 0.390+/-0.000 χ^2/NDF: 59281281287.8/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:867482.1/3

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.007+/-0.000 χ^2/NDF:896038.0/2

Left: 0.008+/-0.000 χ^2/NDF: 1808223.4/6

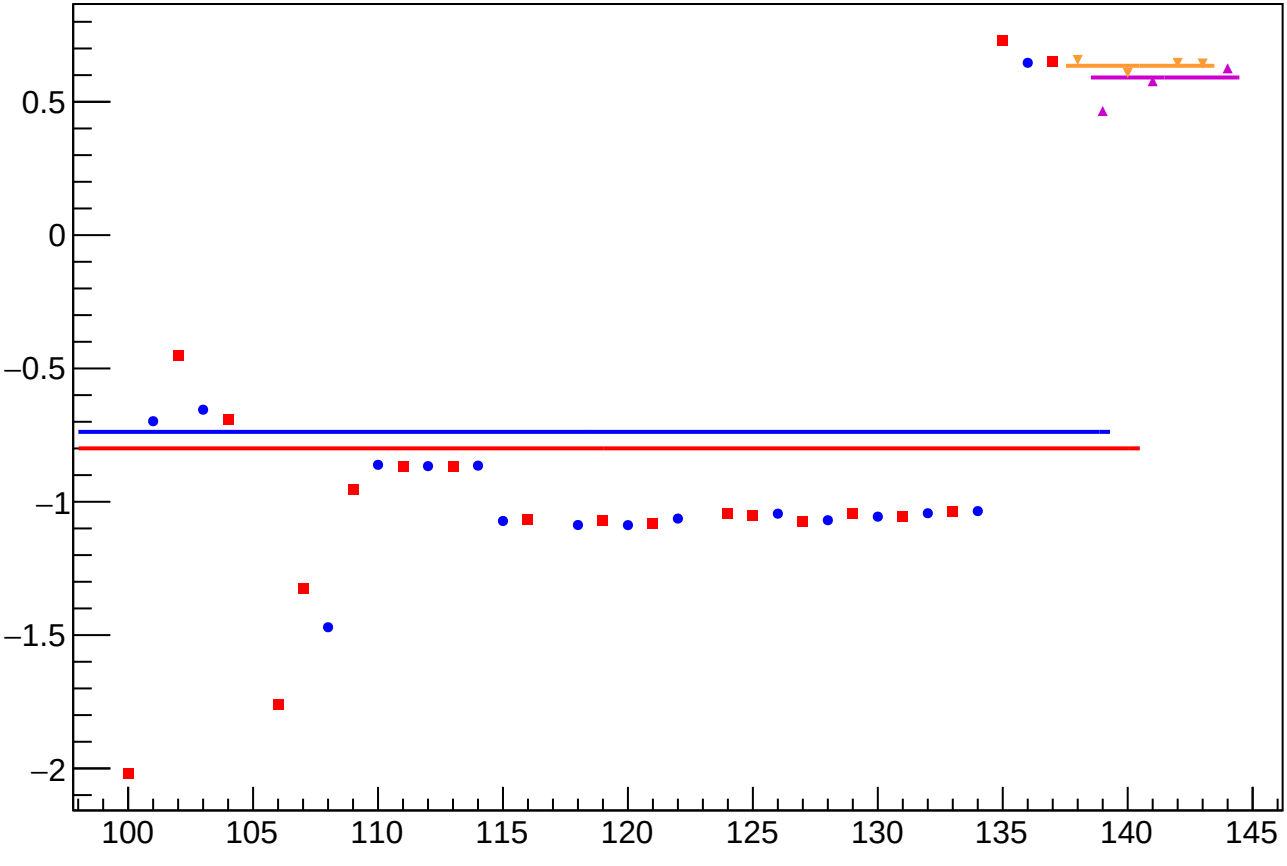
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:4200042.7/18

Out: 0.011+/-0.000 χ^2/NDF:3485231.7/22

All: 0.011+/-0.000 χ^2/NDF: 7714870.5/41

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.635+/-0.000 χ^2/NDF:828463.5/3

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.591+/-0.000 χ^2/NDF:3820816.8/2

Left: 0.615+/-0.000 χ^2/NDF: 6692740.8/6

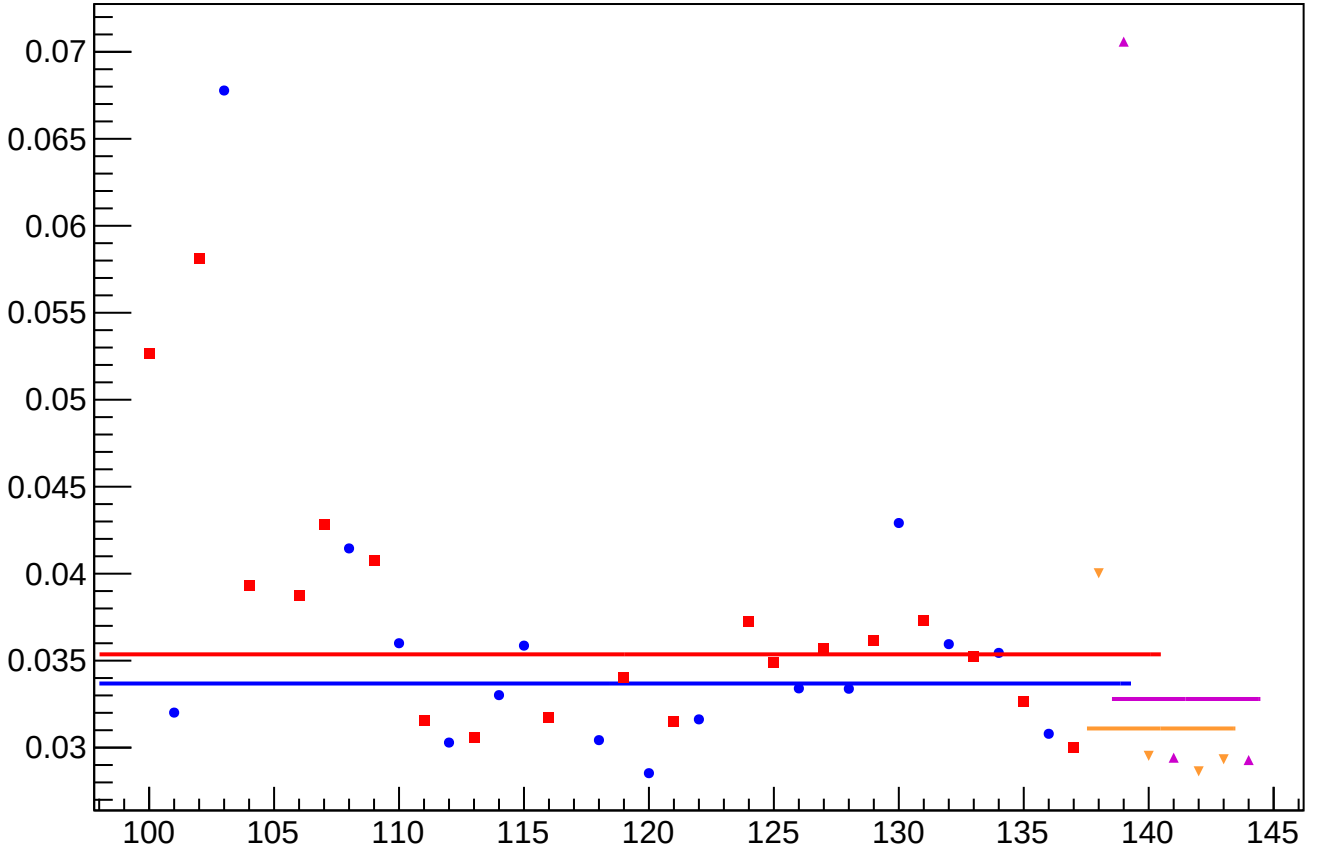
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.394+/-0.000 χ^2/NDF:4616561969.7/18

Out: -0.354+/-0.000 χ^2/NDF:5192864236.1/22

All: -0.374+/-0.000 χ^2/NDF: 9815400486.4/4

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:77524.5/3

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:505263.1/2

Left: 0.032+/-0.000 χ^2/NDF: 588872.7/6

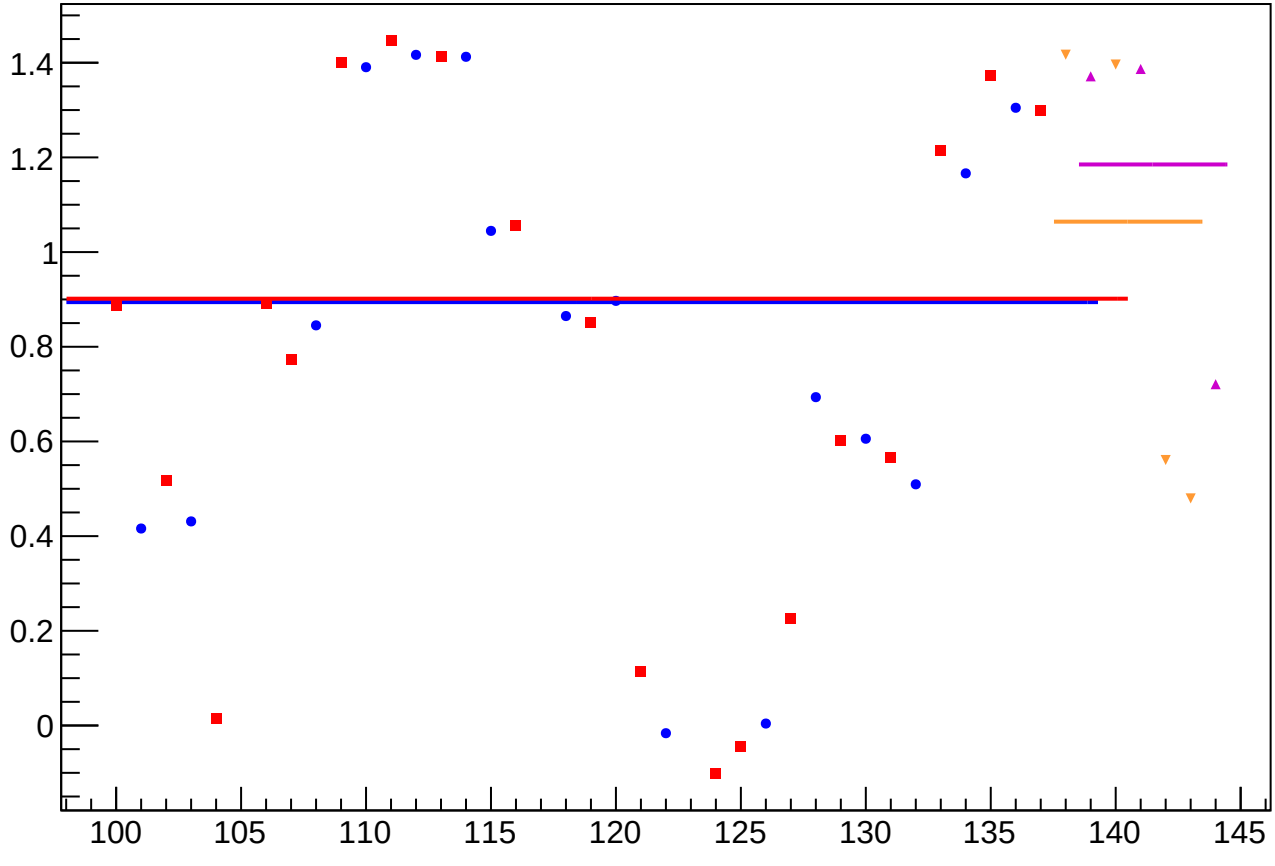
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:927768.6/18

Out: 0.034+/-0.000 χ^2/NDF:432259.9/22

All: 0.034+/-0.000 χ^2/NDF: 1362577.4/41

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.064+/-0.000 χ^2/NDF:7569282221.5/3

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.185+/-0.000 χ^2/NDF:3631003471.9/2

Left: 1.126+/-0.000 χ^2/NDF: 11491883117.7/6

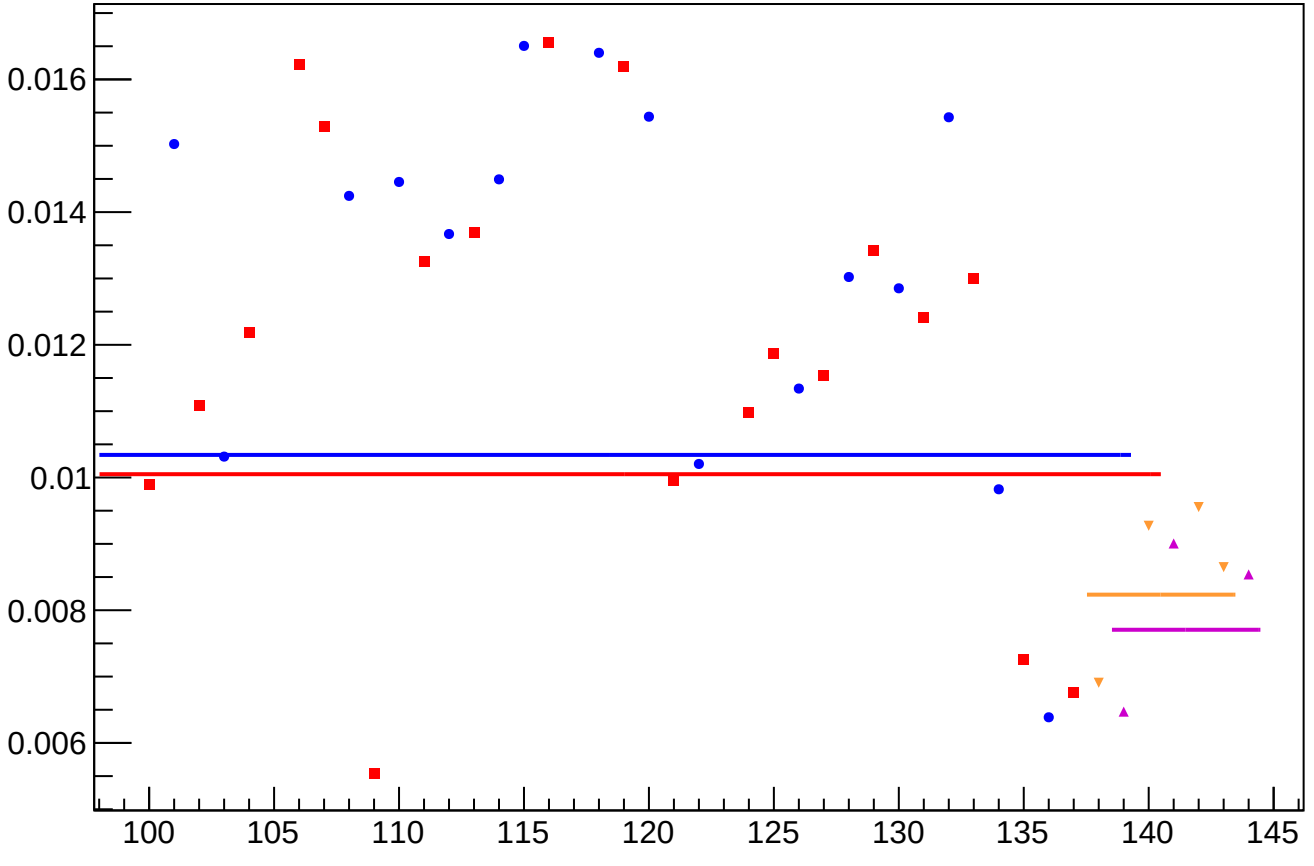
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.017+/-0.000 χ^2/NDF:18373296677.3/18

Out: 0.966+/-0.000 χ^2/NDF:26090781152.6/22

All: 0.991+/-0.000 χ^2/NDF: 44594211104.6/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:92670.0/3

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.008+/-0.000 χ^2/NDF:107938.5/2

Left: 0.008+/-0.000 χ^2/NDF: 211801.0/6

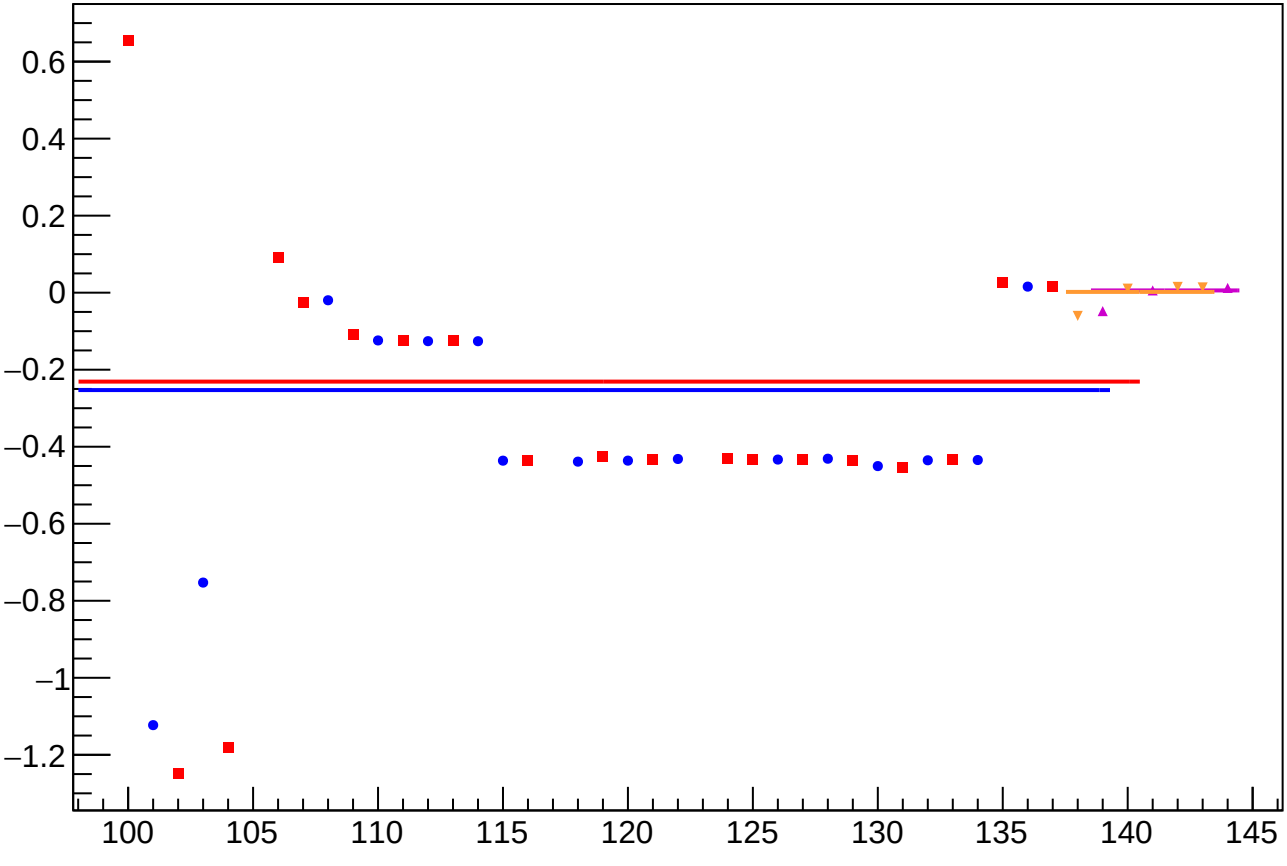
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:1785700.4/18

Out: 0.009+/-0.000 χ^2/NDF:1585958.8/22

All: 0.009+/-0.000 χ^2/NDF: 3372801.1/41

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:16735275.7/3

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.006+/-0.000 χ^2/NDF:3784147.7/2

Left: 0.004+/-0.000 χ^2/NDF: 20682058.3/6

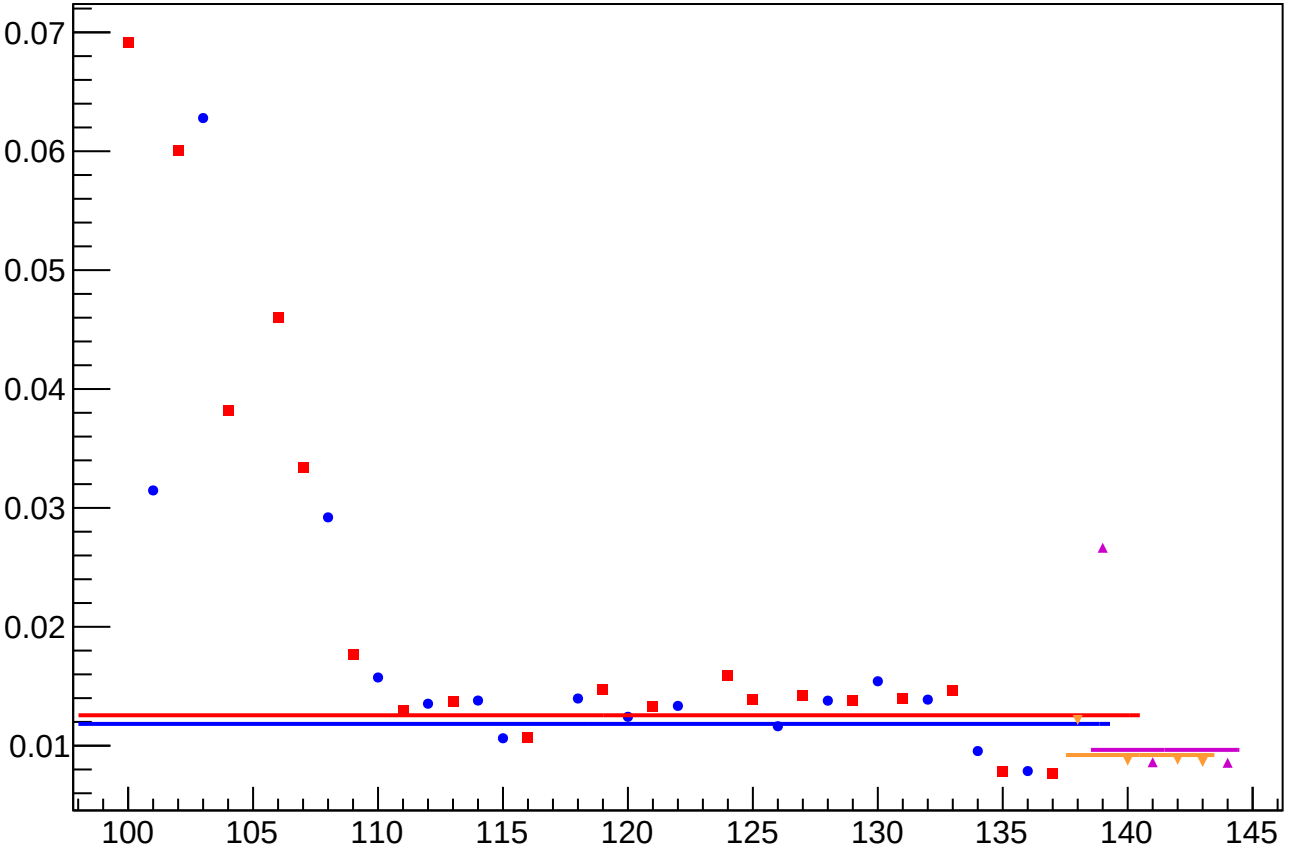
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.160+/-0.000 χ^2/NDF:2884124970.7/18

Out: -0.128+/-0.000 χ^2/NDF:2584040239.7/22

All: -0.144+/-0.000 χ^2/NDF: 5495993506.3/4

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:74782.0/3

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:719610.9/2

Left: 0.009+/-0.000 χ^2/NDF: 798576.6/6

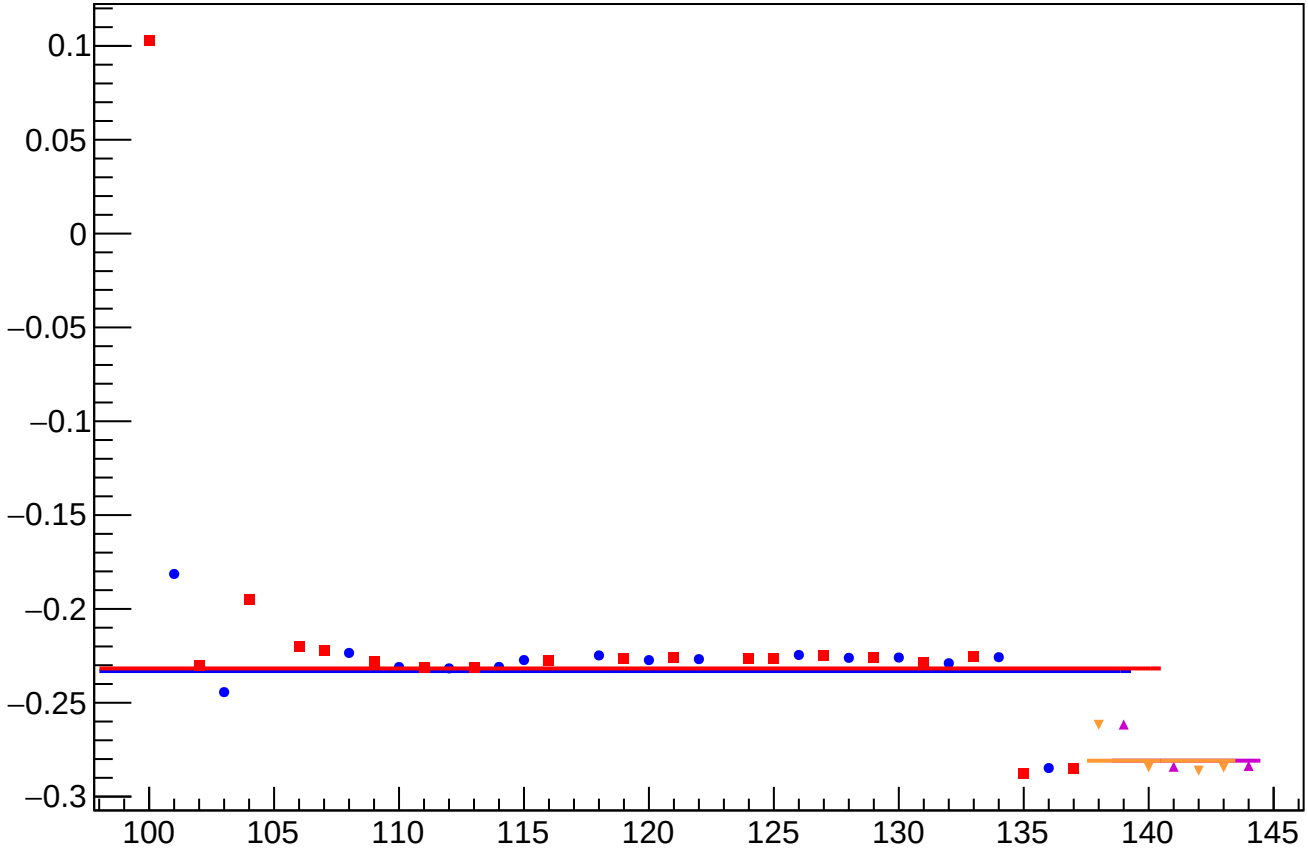
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2784138.9/18

Out: 0.011+/-0.000 χ^2/NDF:2605121.4/22

All: 0.011+/-0.000 χ^2/NDF: 5389343.5/41

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:9517260.5/3

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.281+/-0.000 χ^2/NDF:5681069.3/2

Left: -0.281+/-0.000 χ^2/NDF: 15198342.0/6

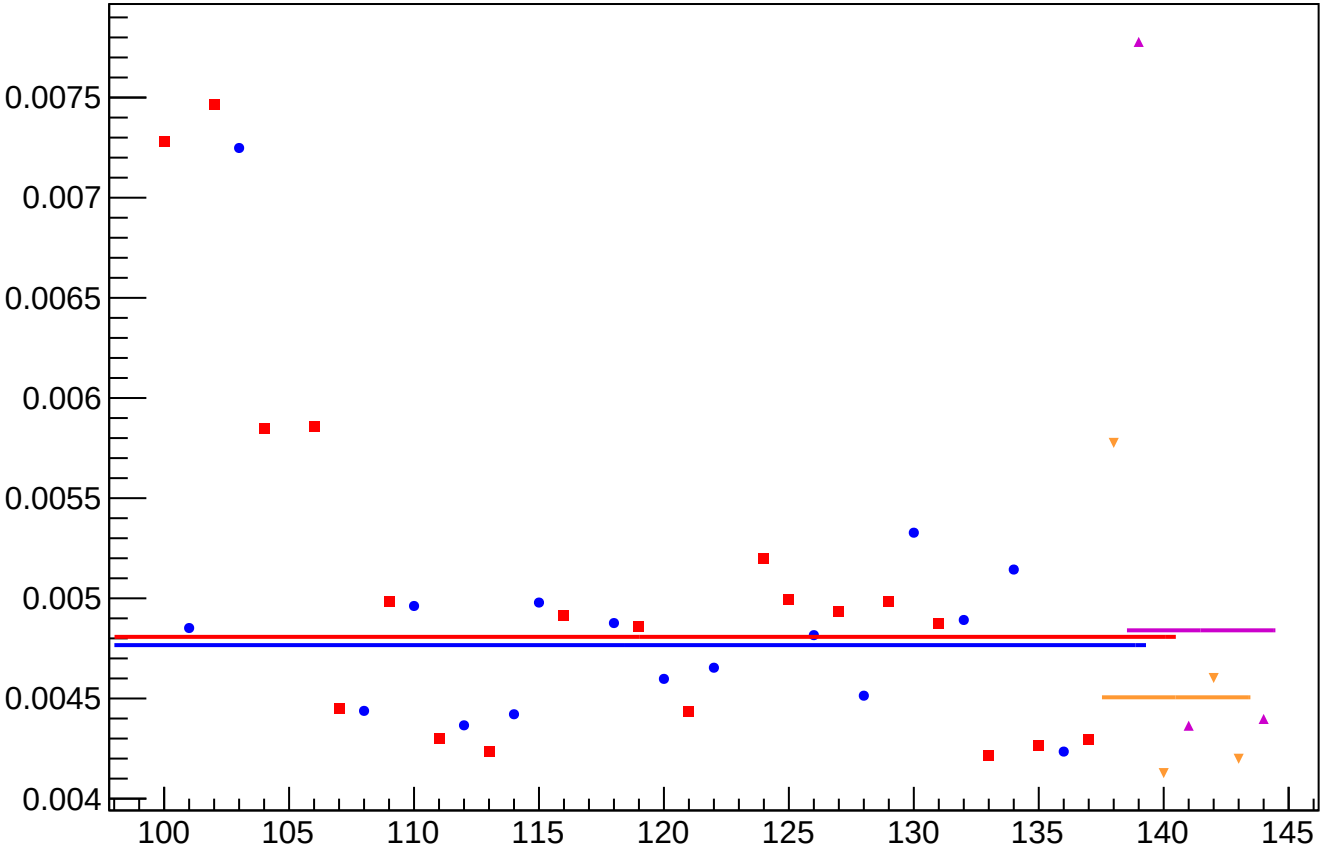
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.245+/-0.000 χ^2/NDF:370654194.4/18

Out: -0.247+/-0.000 χ^2/NDF:508918317.3/22

All: -0.246+/-0.000 χ^2/NDF: 879873422.6/41

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:90018.2/3

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:264191.0/2

Left: 0.005+/-0.000 χ^2/NDF: 366527.4/6

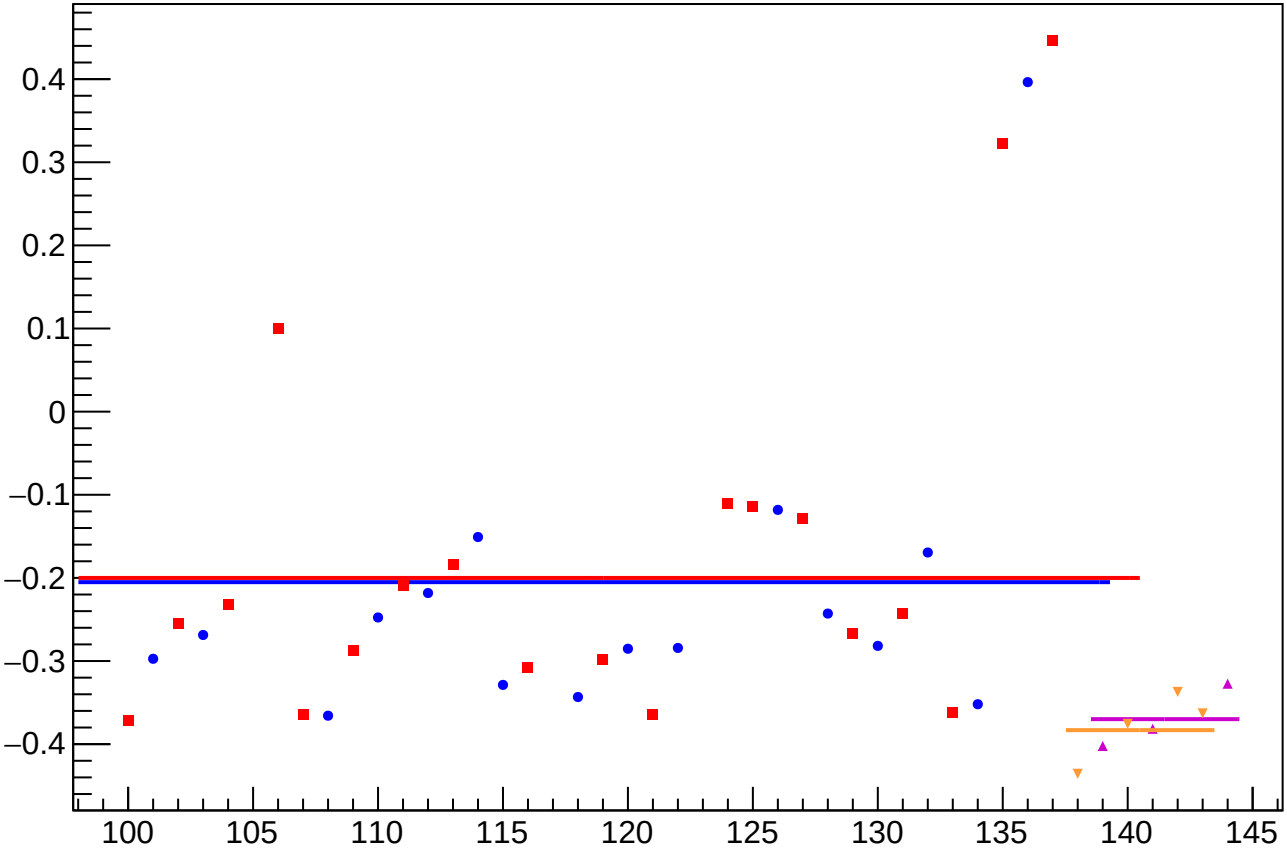
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:456744.9/18

Out: 0.005+/-0.000 χ^2/NDF:399750.6/22

All: 0.005+/-0.000 χ^2/NDF: 858393.0/41

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.383+/-0.000 χ^2/NDF:130940868.2/3

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.370+/-0.000 χ^2/NDF:101242265.1/2

Left: -0.377+/-0.000 χ^2/NDF: 241181286.2/6

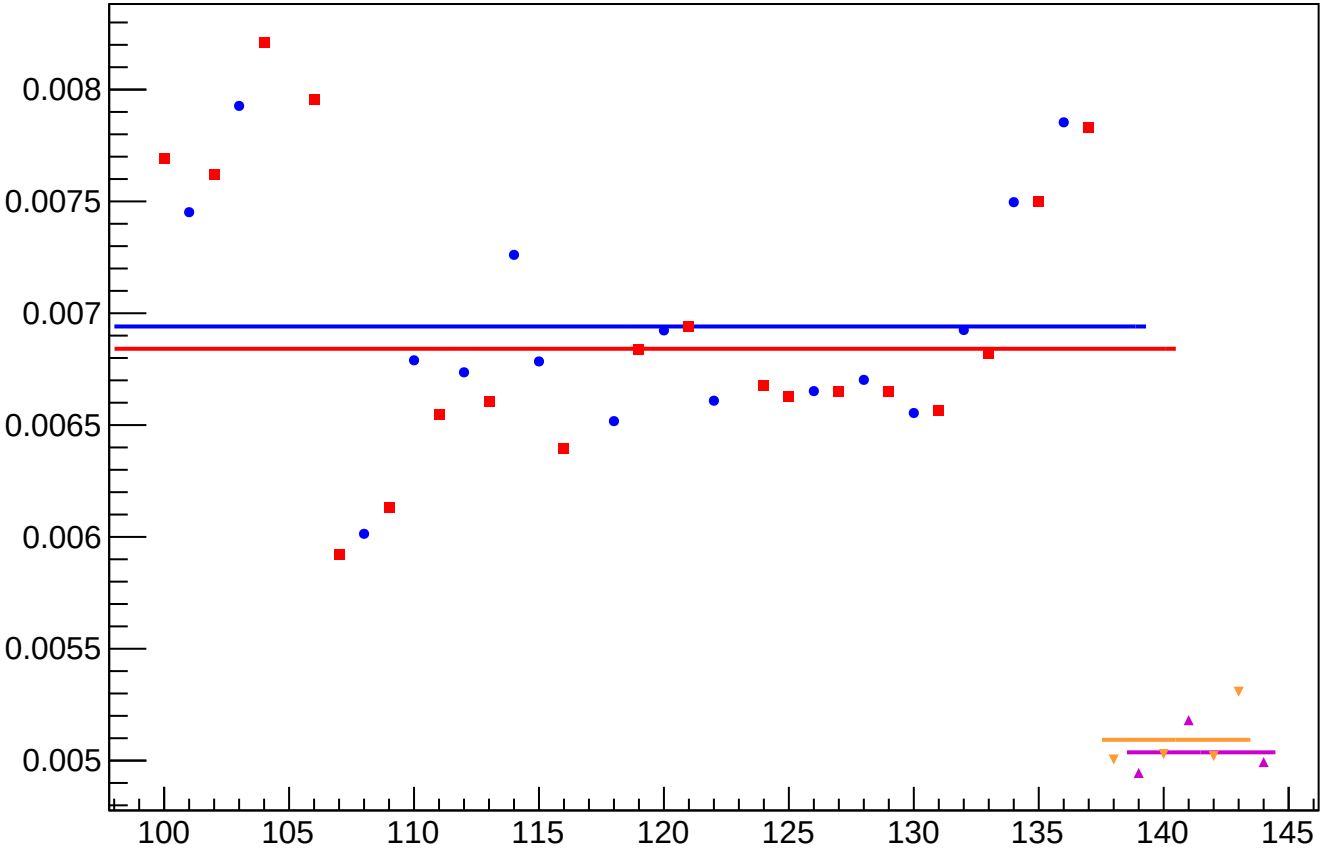
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.272+/-0.000 χ^2/NDF:7897032127.7/18

Out: -0.275+/-0.000 χ^2/NDF:7492767895.2/22

All: -0.273+/-0.000 χ^2/NDF: 15390938504.9/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:3450.1/3

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:2012.8/2

Left: 0.005+/-0.000 χ^2/NDF: 5786.5/6

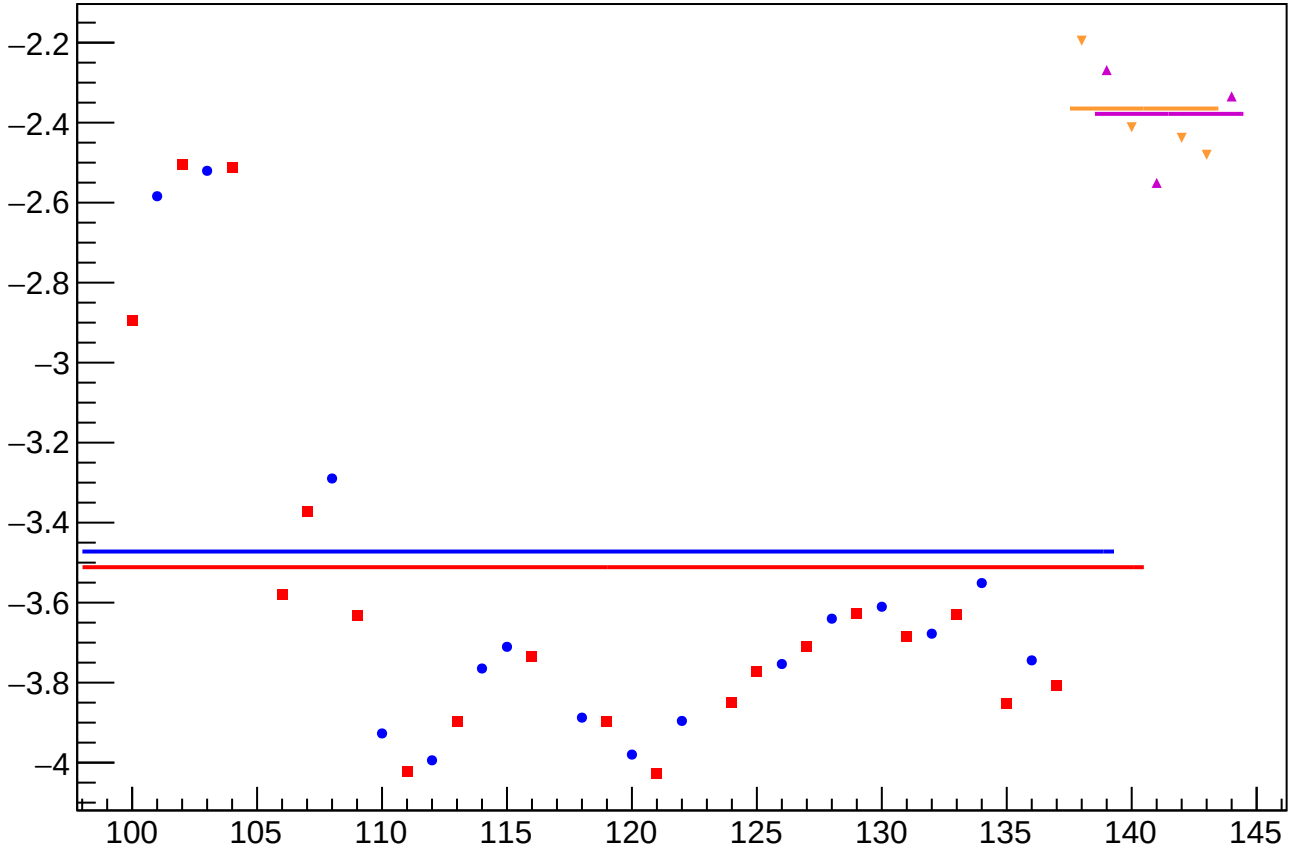
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:516054.6/18

Out: 0.006+/-0.000 χ^2/NDF:488360.7/22

All: 0.006+/-0.000 χ^2/NDF: 1004879.1/41

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.365+/-0.000 χ^2/NDF:376655300.5/3

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.378+/-0.000 χ^2/NDF:338286872.1/2

Left: -2.371+/-0.000 χ^2/NDF: 717165223.7/6

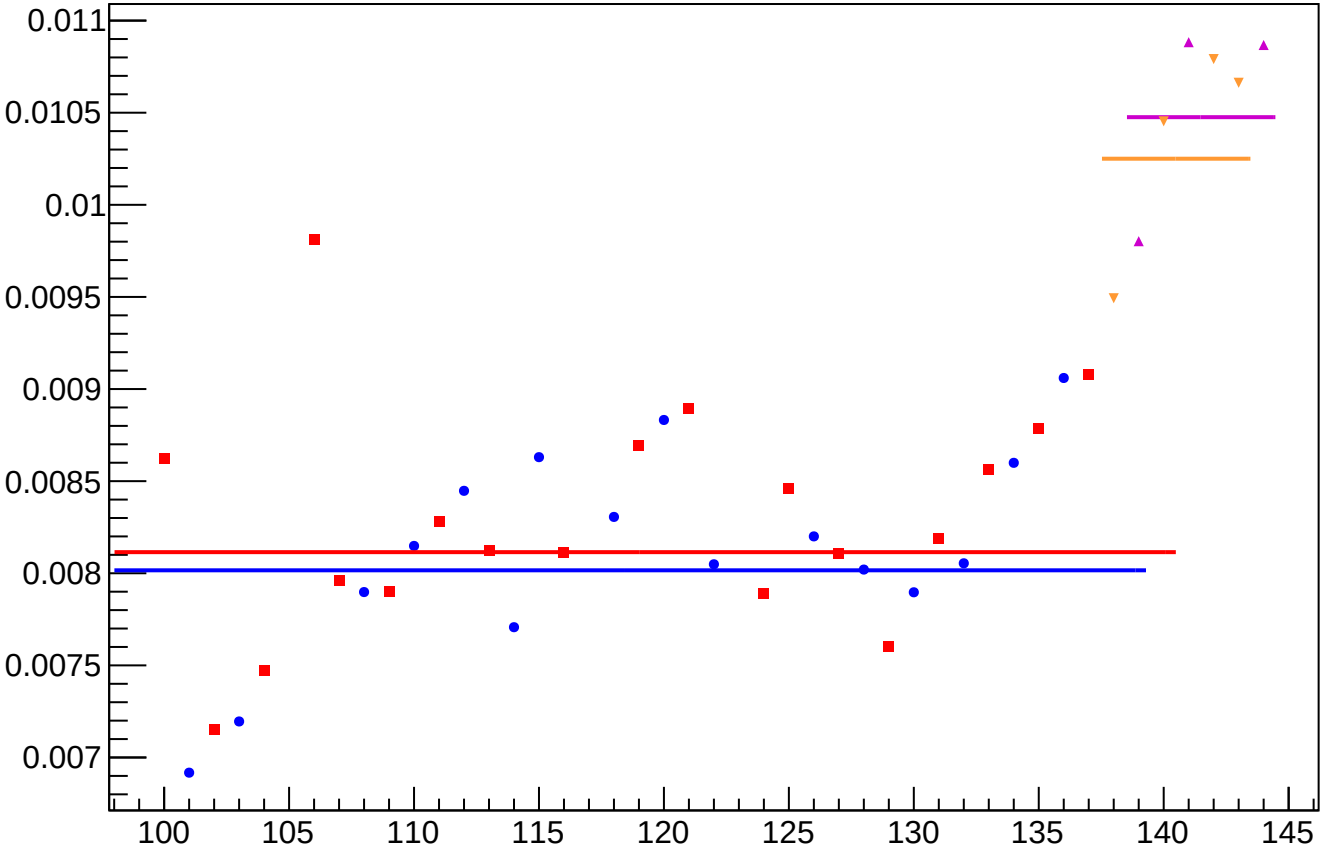
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.278+/-0.000 χ^2/NDF:53002828613.9/18

Out: -3.283+/-0.000 χ^2/NDF:58437774400.5/22

All: -3.280+/-0.000 χ^2/NDF: 111441848682.7

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:14971.5/3

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.010+/-0.000 χ^2/NDF:12599.3/2

Left: 0.010+/-0.000 χ^2/NDF: 28845.0/6

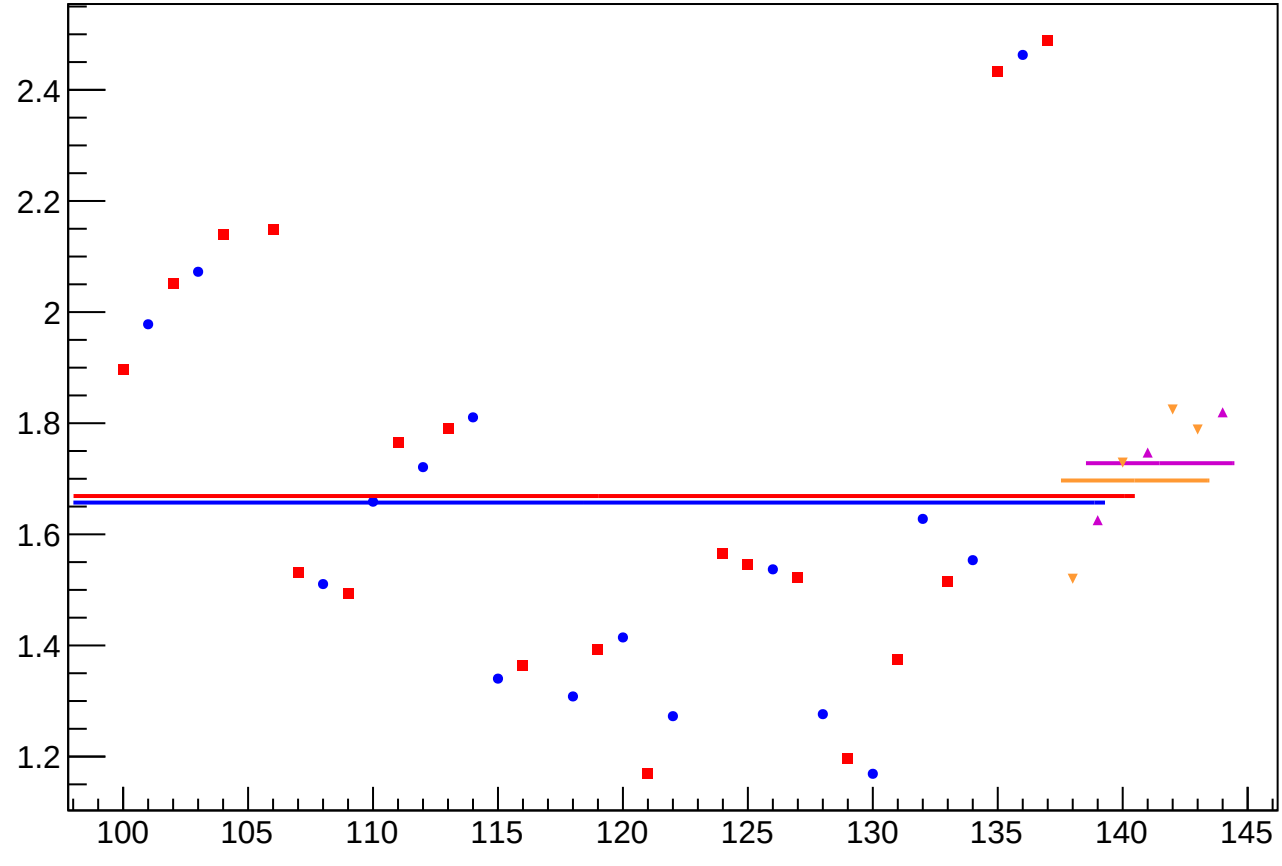
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:332038.2/18

Out: 0.009+/-0.000 χ^2/NDF:282689.3/22

All: 0.008+/-0.000 χ^2/NDF: 615779.2/41

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.697+/-0.000 χ^2/NDF:303713224.3/3

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.728+/-0.000 χ^2/NDF:132448966.6/2

Left: 1.712+/-0.000 χ^2/NDF: 446394463.5/6

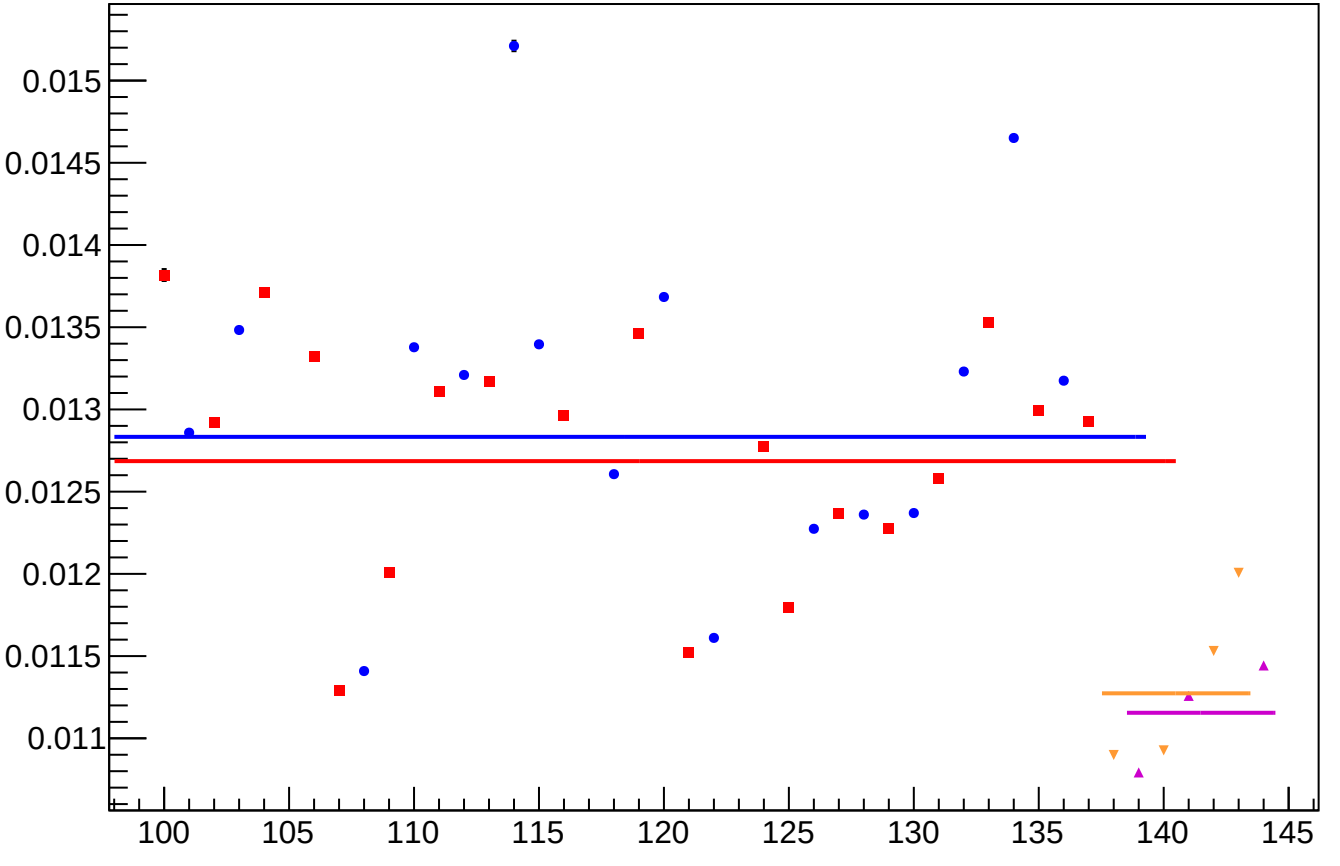
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.680+/-0.000 χ^2/NDF:6868066044.5/18

Out: 1.678+/-0.000 χ^2/NDF:6672784593.0/22

All: 1.679+/-0.000 χ^2/NDF: 13540992506.1/4

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:9632.9/3

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:3104.9/2

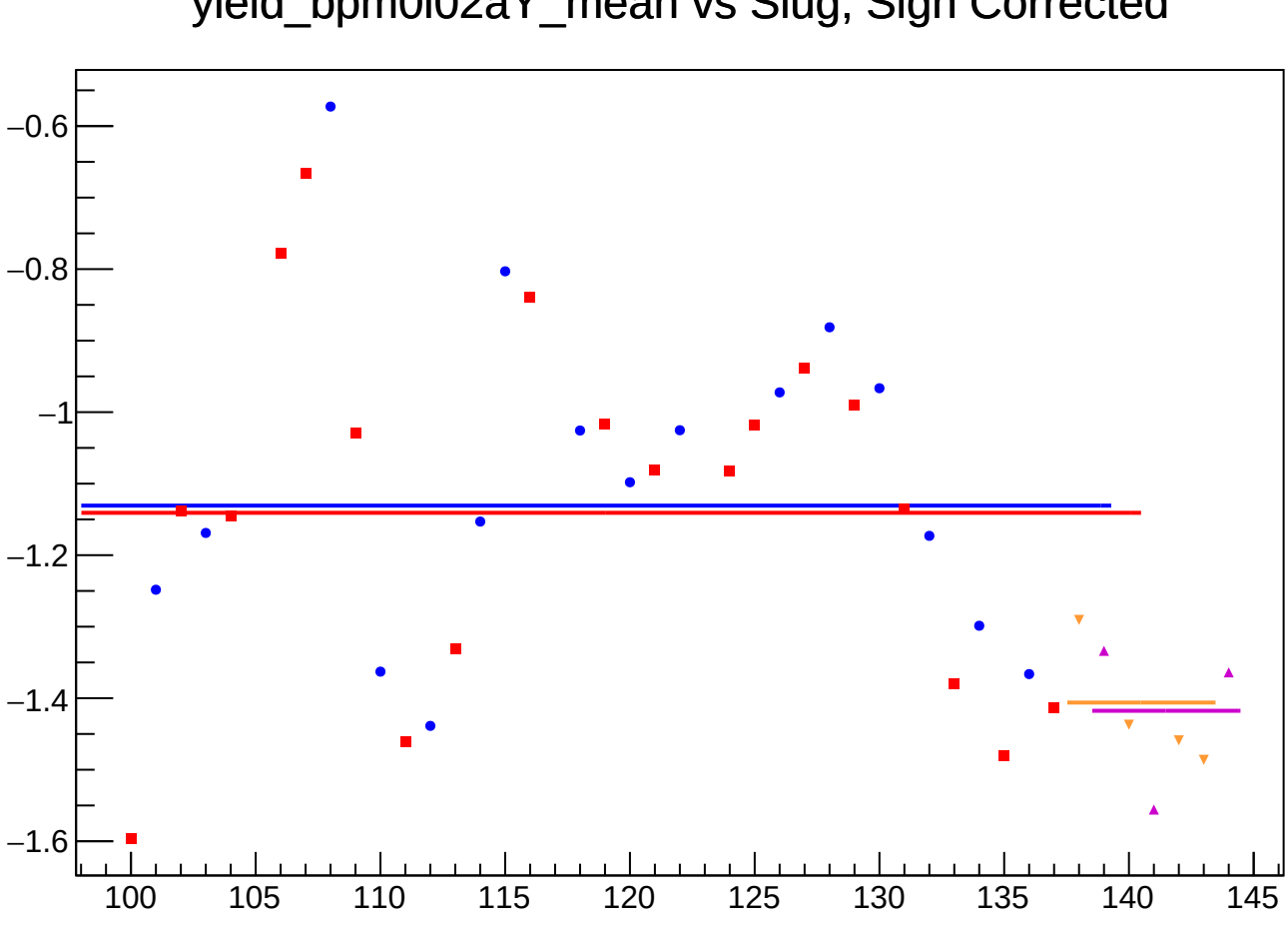
Left: 0.011+/-0.000 χ^2/NDF: 13033.6/6

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

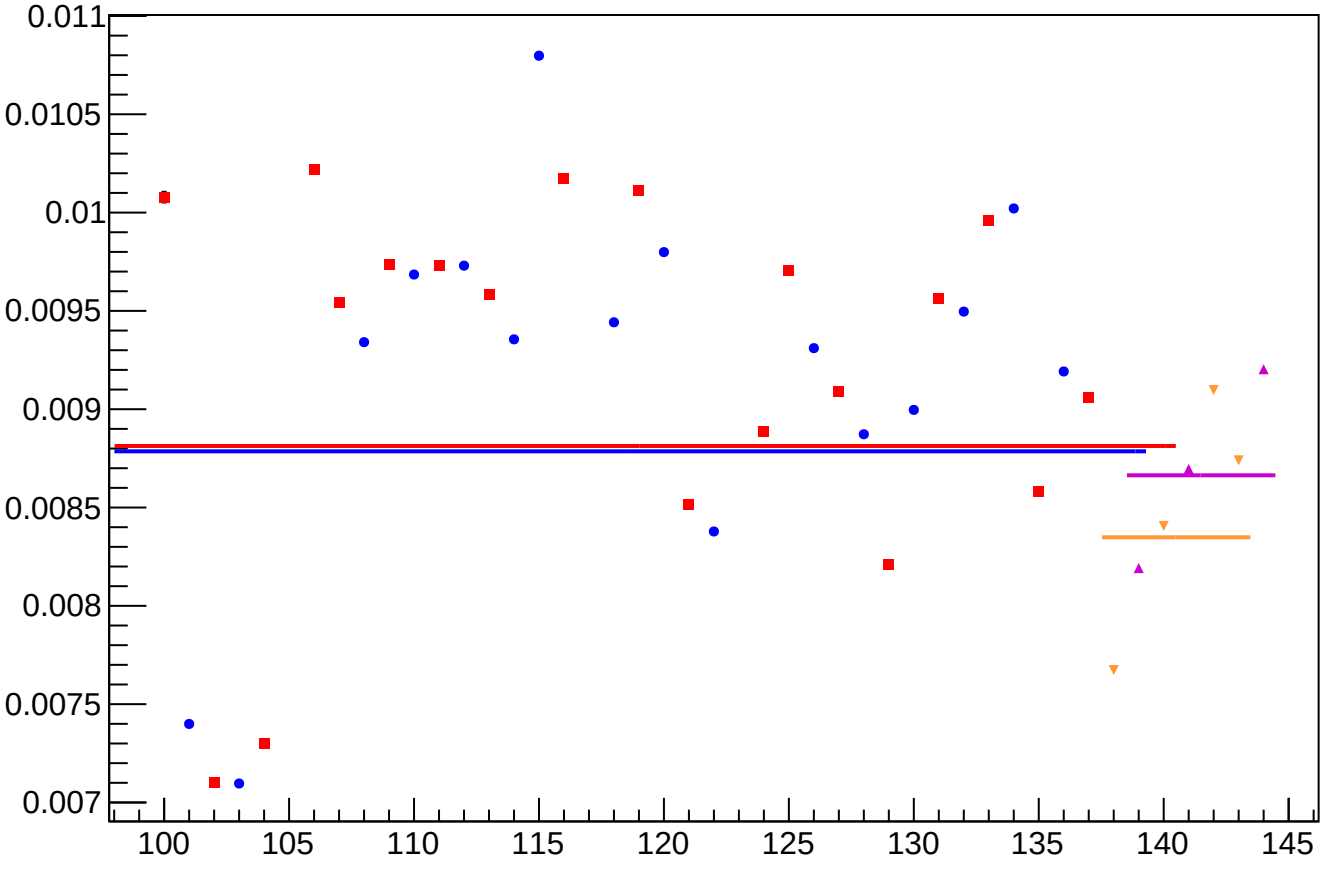
In: 0.012+/-0.000 χ^2/NDF:133525.7/18

Out: 0.012+/-0.000 χ^2/NDF:111412.9/22

All: 0.012+/-0.000 χ^2/NDF: 245211.6/41


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
105
110
115
120
125
130
135
140
145
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.406+/-0.000 χ²/NDF:261724442.4/3
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.418+/-0.000 χ²/NDF:333125880.0/2
Left: -1.411+/-0.000 χ²/NDF: 597273235.3/6
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.210+/-0.000 χ²/NDF:6137808214.9/18
Out: -1.223+/-0.000 χ²/NDF:5749049170.1/22
All: -1.216+/-0.000 χ²/NDF: 11897281451.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:20581.9/3

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:11377.9/2

Left: 0.008+/-0.000 χ^2/NDF: 35600.3/6

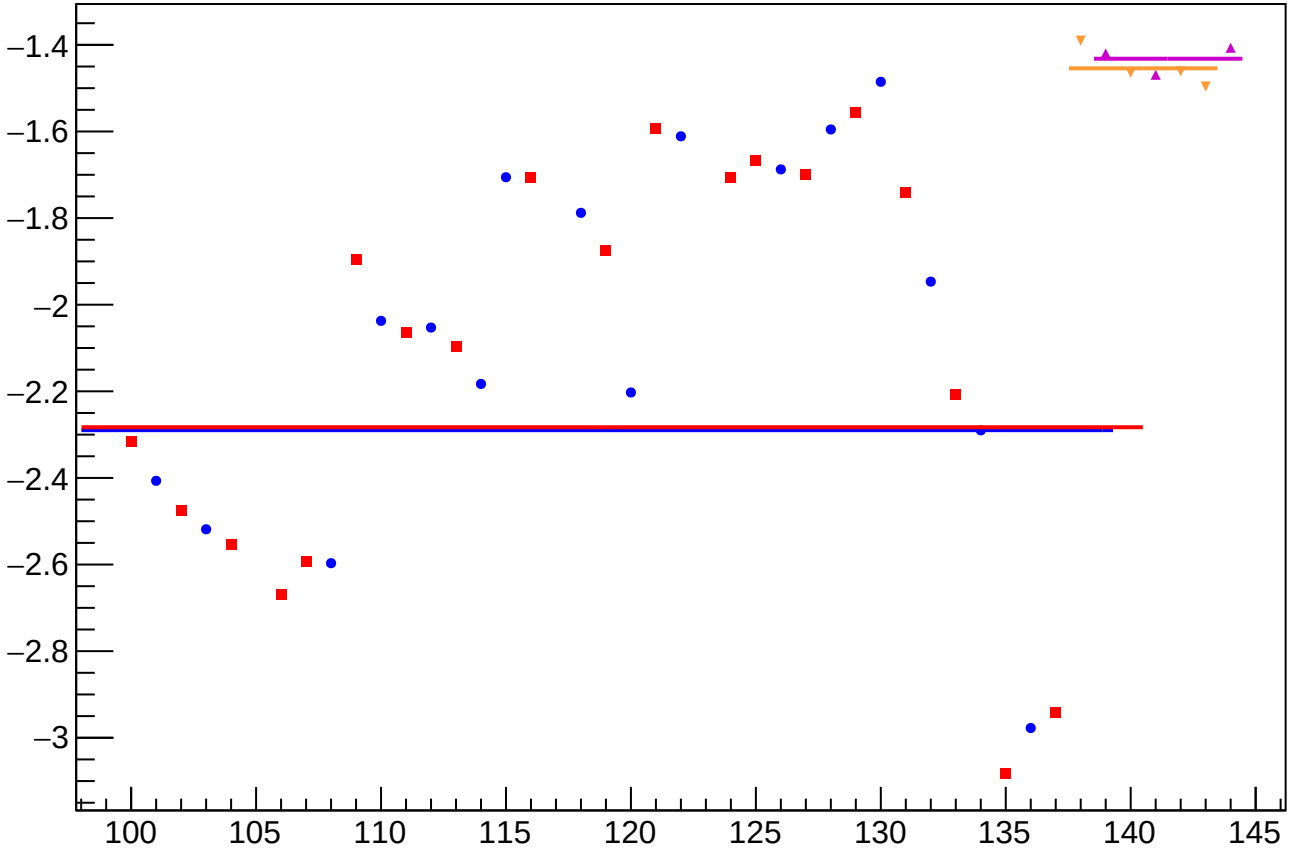
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:185583.4/18

Out: 0.009+/-0.000 χ^2/NDF:236935.1/22

All: 0.009+/-0.000 χ^2/NDF: 423377.4/41

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.454+/-0.000 χ^2/NDF:48709705.1/3

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.432+/-0.000 χ^2/NDF:21982314.7/2

Left: -1.444+/-0.000 χ^2/NDF: 78094883.5/6

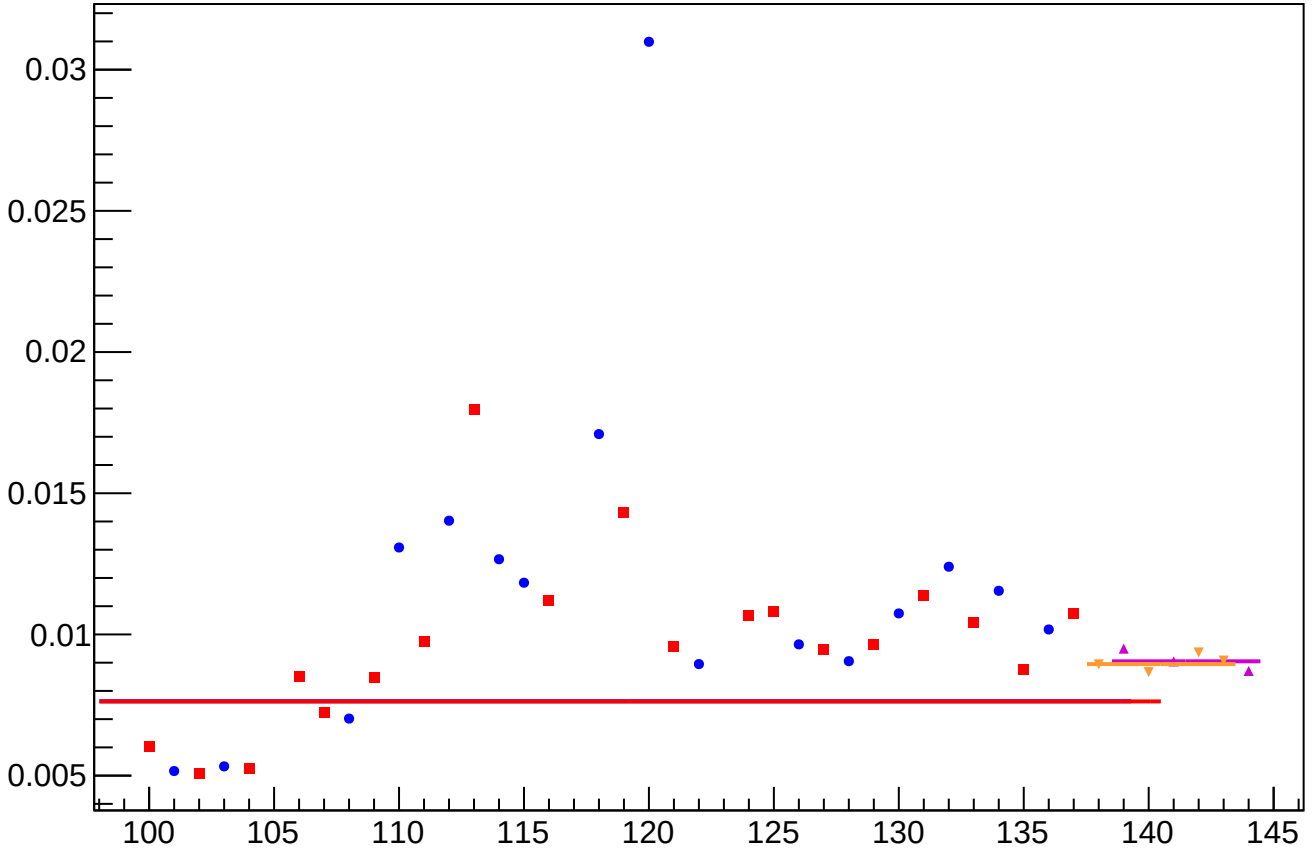
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -2.075+/-0.000 χ^2/NDF:31275149078.3/18

Out: -2.078+/-0.000 χ^2/NDF:33235391370.6/22

All: -2.077+/-0.000 χ^2/NDF: 64511059673.9/

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:3449.6/3

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:5812.6/2

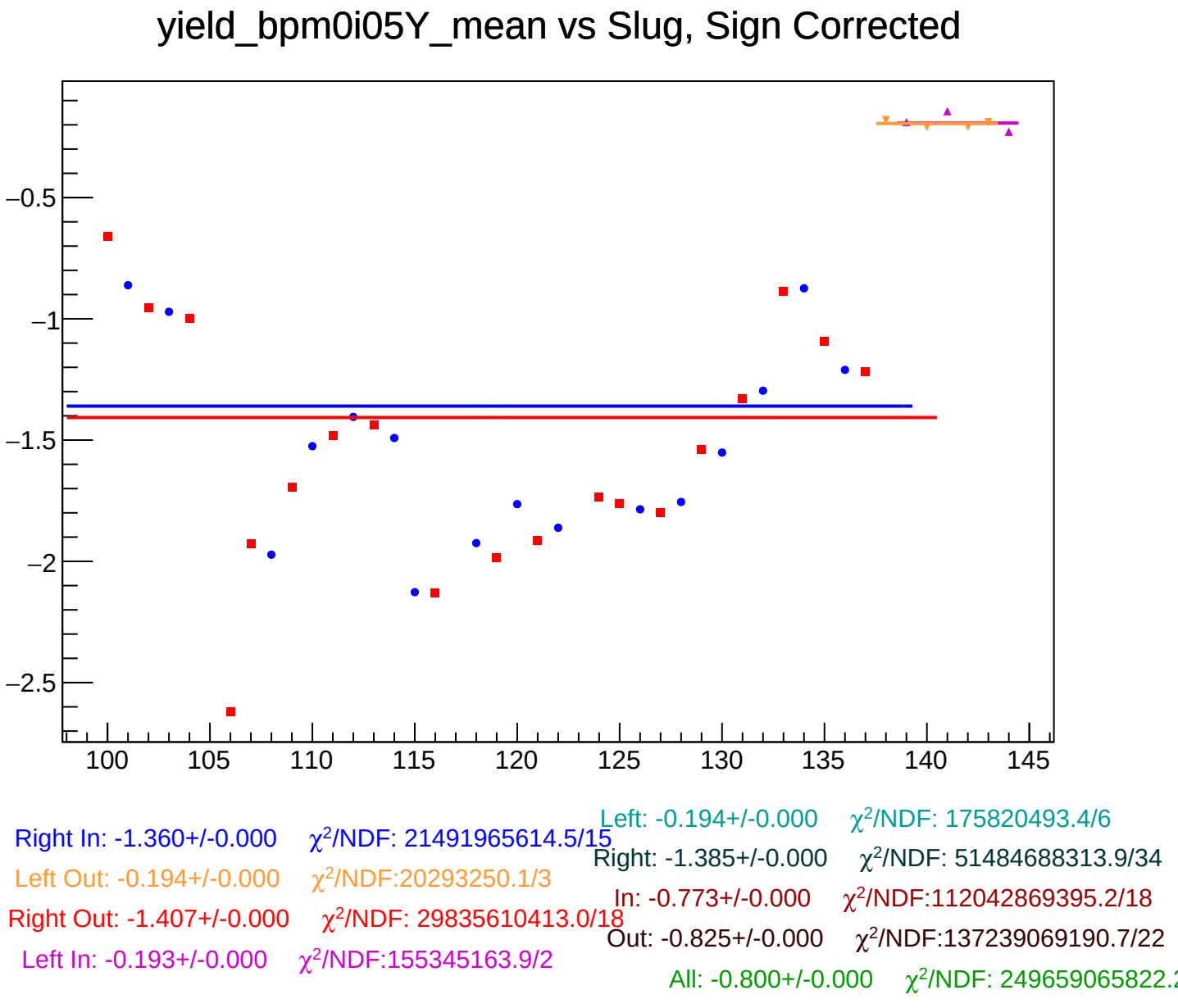
Left: 0.009+/-0.000 χ^2/NDF: 9553.1/6

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

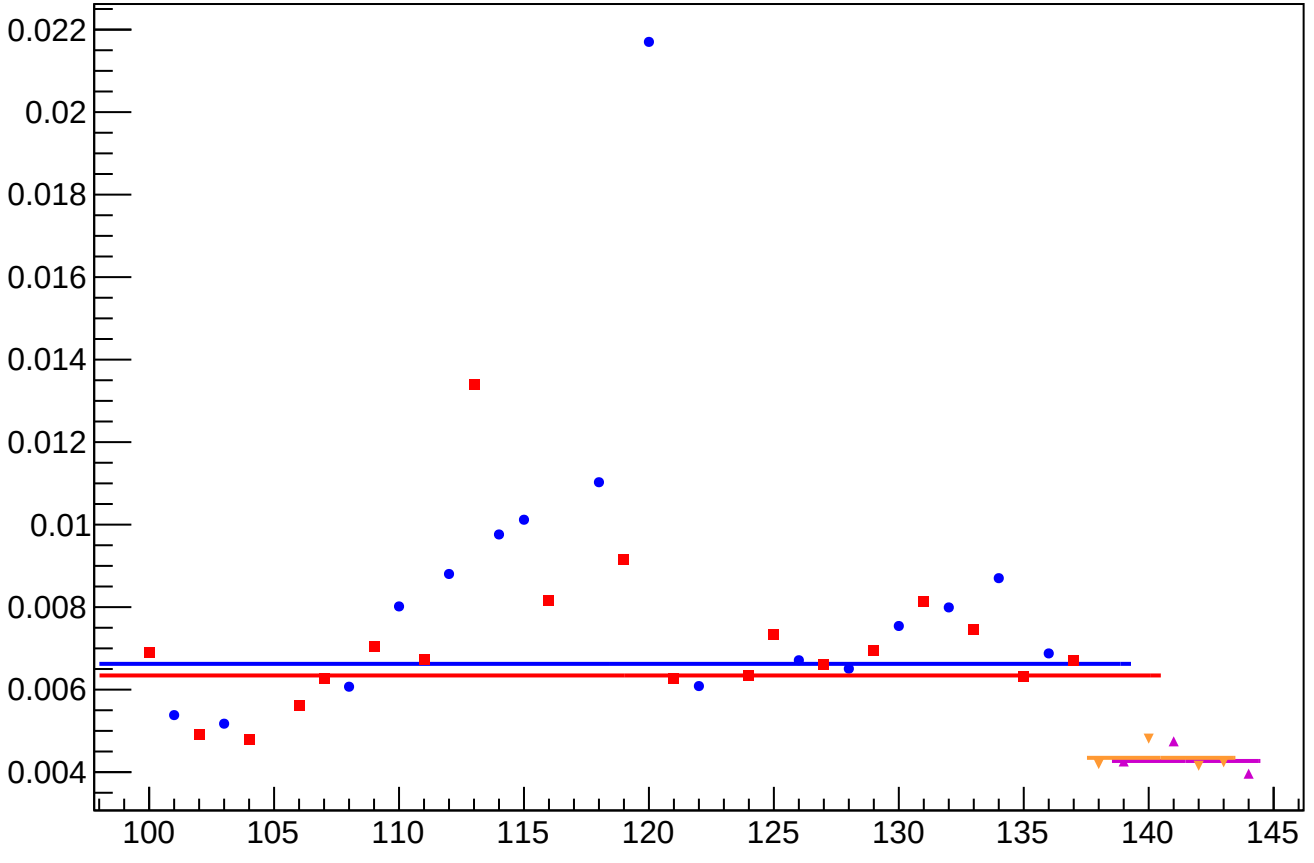
In: 0.008+/-0.000 χ^2/NDF:1803913.9/18

Out: 0.008+/-0.000 χ^2/NDF:1403425.9/22

All: 0.008+/-0.000 χ^2/NDF: 3207466.6/41


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
105
110
115
120
125
130
135
140
145
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.194+/-0.000 χ²/NDF:20293250.1/3
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.193+/-0.000 χ²/NDF:155345163.9/2
Left: -0.194+/-0.000 χ²/NDF: 175820493.4/6
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.773+/-0.000 χ²/NDF:112042869395.2/18
Out: -0.825+/-0.000 χ²/NDF:137239069190.7/22
All: -0.800+/-0.000 χ²/NDF: 249659065822.2

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:19042.5/3

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:26421.0/2

Left: 0.004+/-0.000 χ^2/NDF: 46253.4/6

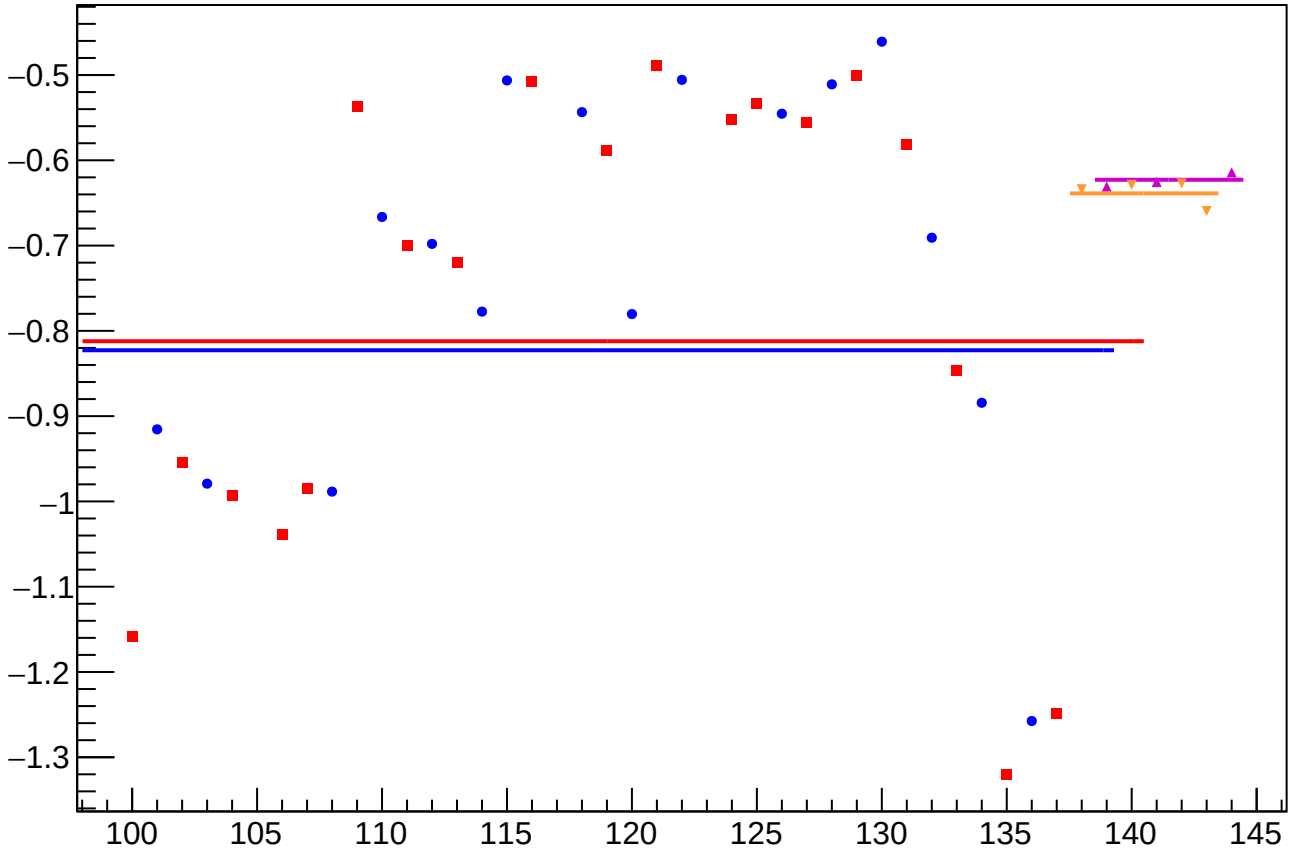
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1455802.2/18

Out: 0.005+/-0.000 χ^2/NDF:1130553.9/22

All: 0.005+/-0.000 χ^2/NDF: 2587223.9/41

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.639+/-0.000 χ^2/NDF:12089822.7/3

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.623+/-0.000 χ^2/NDF:2981283.3/2

Left: -0.631+/-0.000 χ^2/NDF: 23214949.2/6

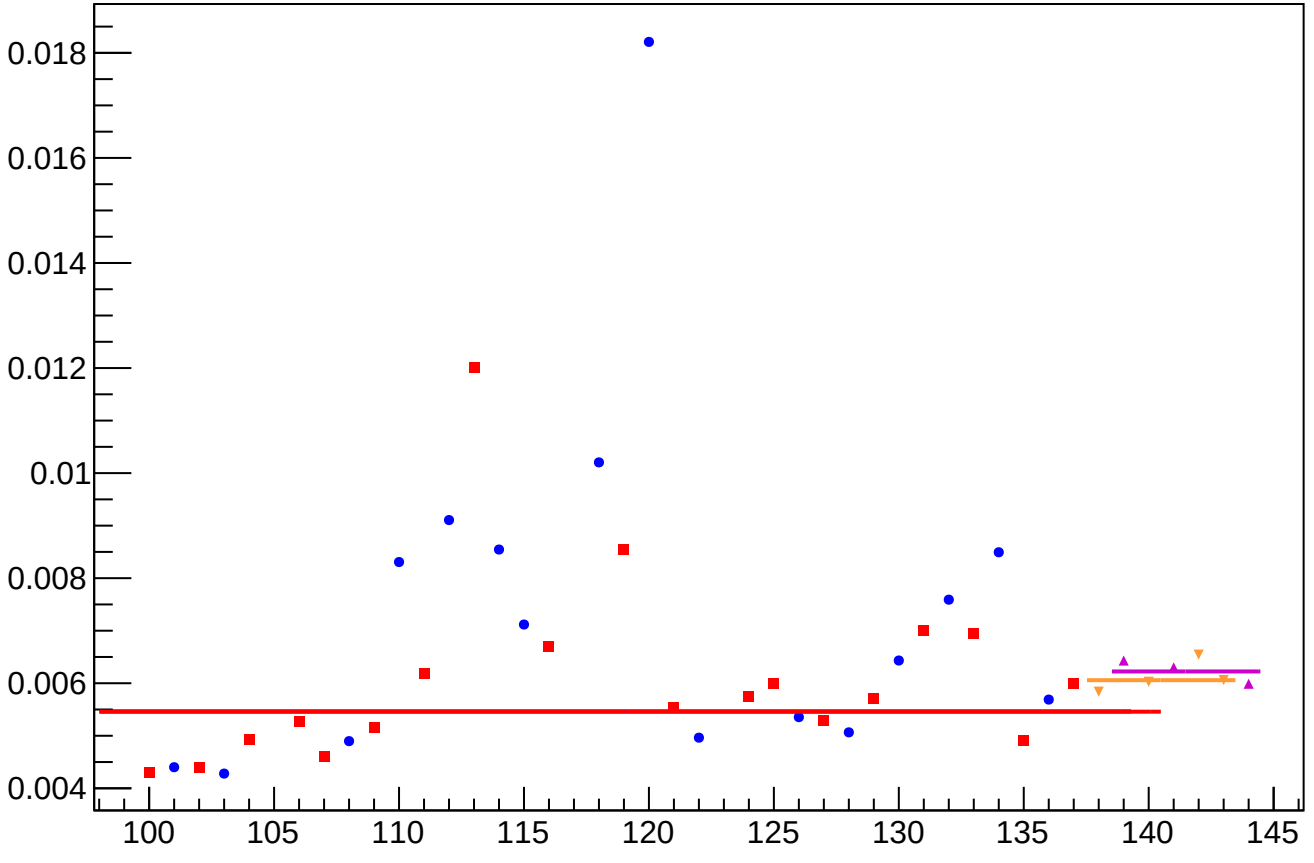
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.773+/-0.000 χ^2/NDF:14051481607.5/18

Out: -0.769+/-0.000 χ^2/NDF:16352150214.1/22

All: -0.771+/-0.000 χ^2/NDF: 30406279380.8/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:6182.2/3

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4222.5/2

Left: 0.006+/-0.000 χ^2/NDF: 12162.0/6

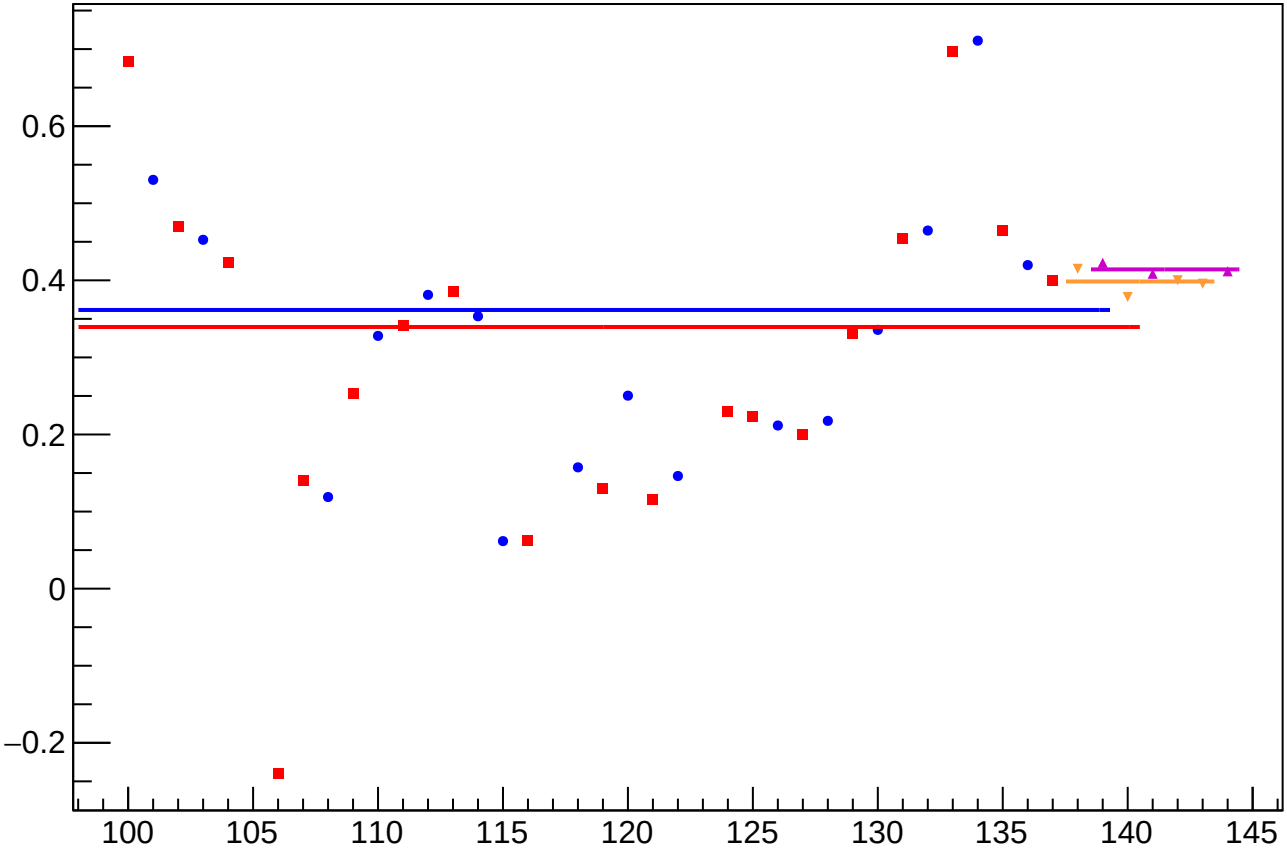
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1018477.0/18

Out: 0.006+/-0.000 χ^2/NDF:550219.6/22

All: 0.006+/-0.000 χ^2/NDF: 1569168.7/41

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:24093816.0/3

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.414+/-0.000 χ^2/NDF:4262065.9/2

Left: 0.406+/-0.000 χ^2/NDF: 43907933.6/6

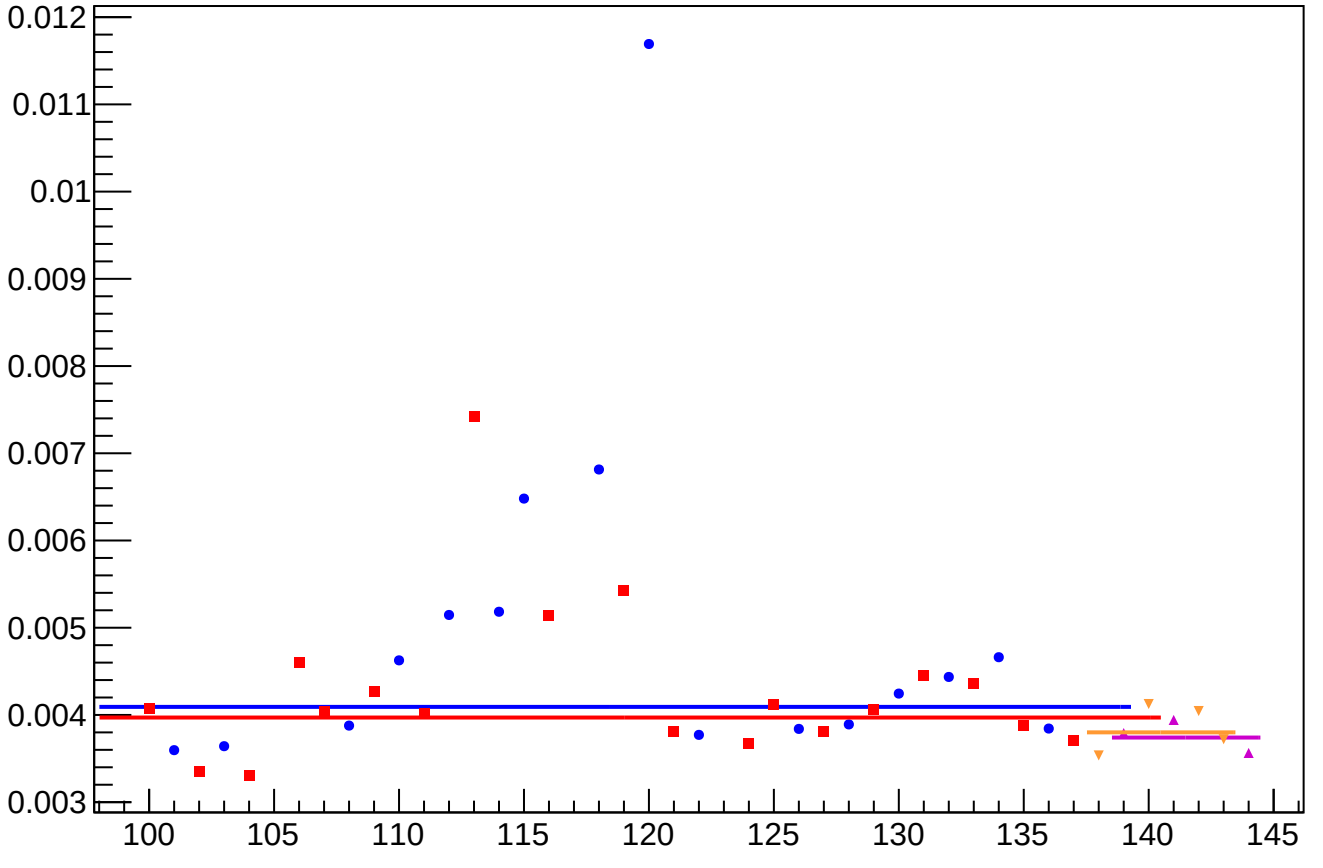
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.375+/-0.000 χ^2/NDF:9037981886.7/18

Out: 0.354+/-0.000 χ^2/NDF:12434623793.7/22

All: 0.364+/-0.000 χ^2/NDF: 21589332074.6/4

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:14885.0/3

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:6305.4/2

Left: 0.004+/-0.000 χ^2/NDF: 21638.9/6

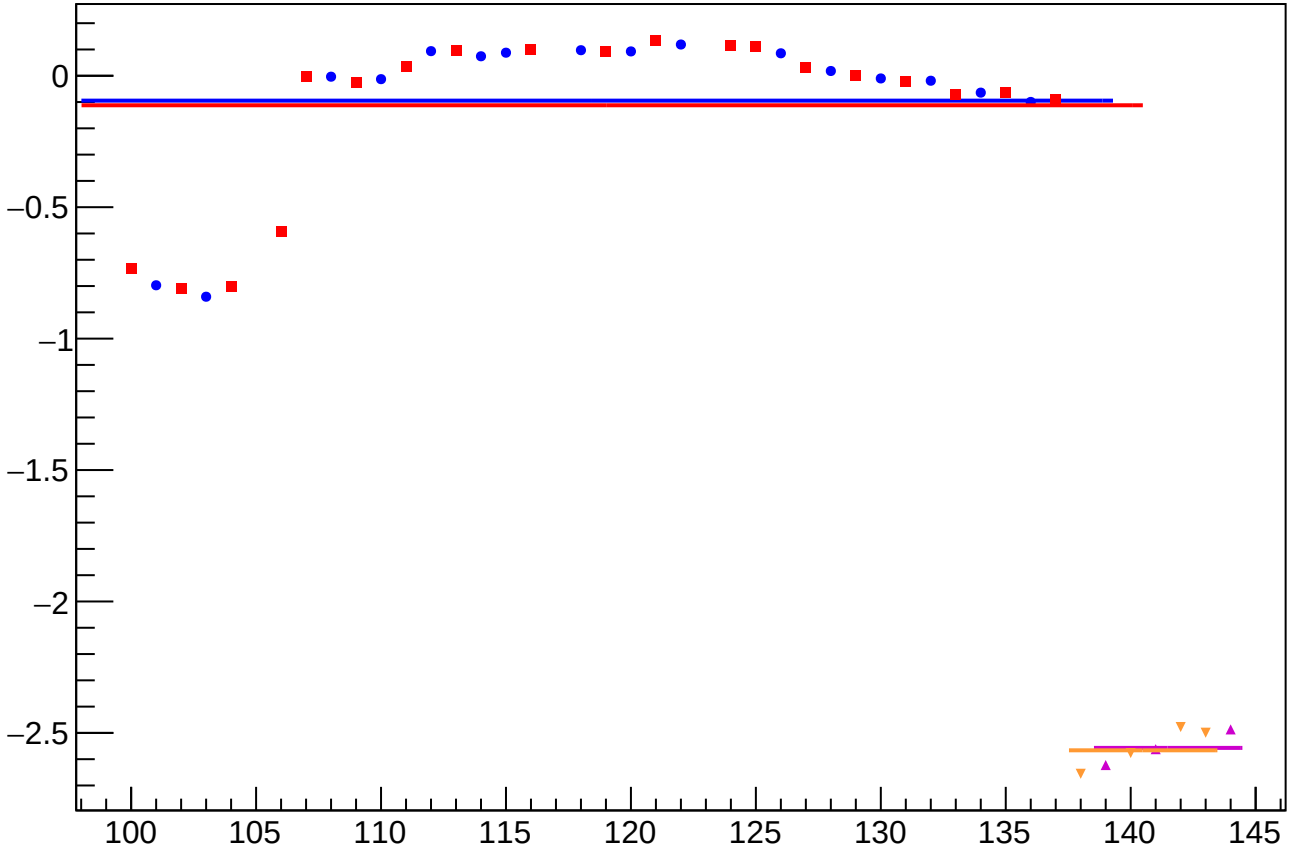
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:521073.7/18

Out: 0.004+/-0.000 χ^2/NDF:334203.3/22

All: 0.004+/-0.000 χ^2/NDF: 858023.7/41

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.566+/-0.000 χ^2/NDF:70312456.0/3

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.557+/-0.000 χ^2/NDF:43233923.3/2

Left: -2.562+/-0.000 χ^2/NDF: 114145733.4/6

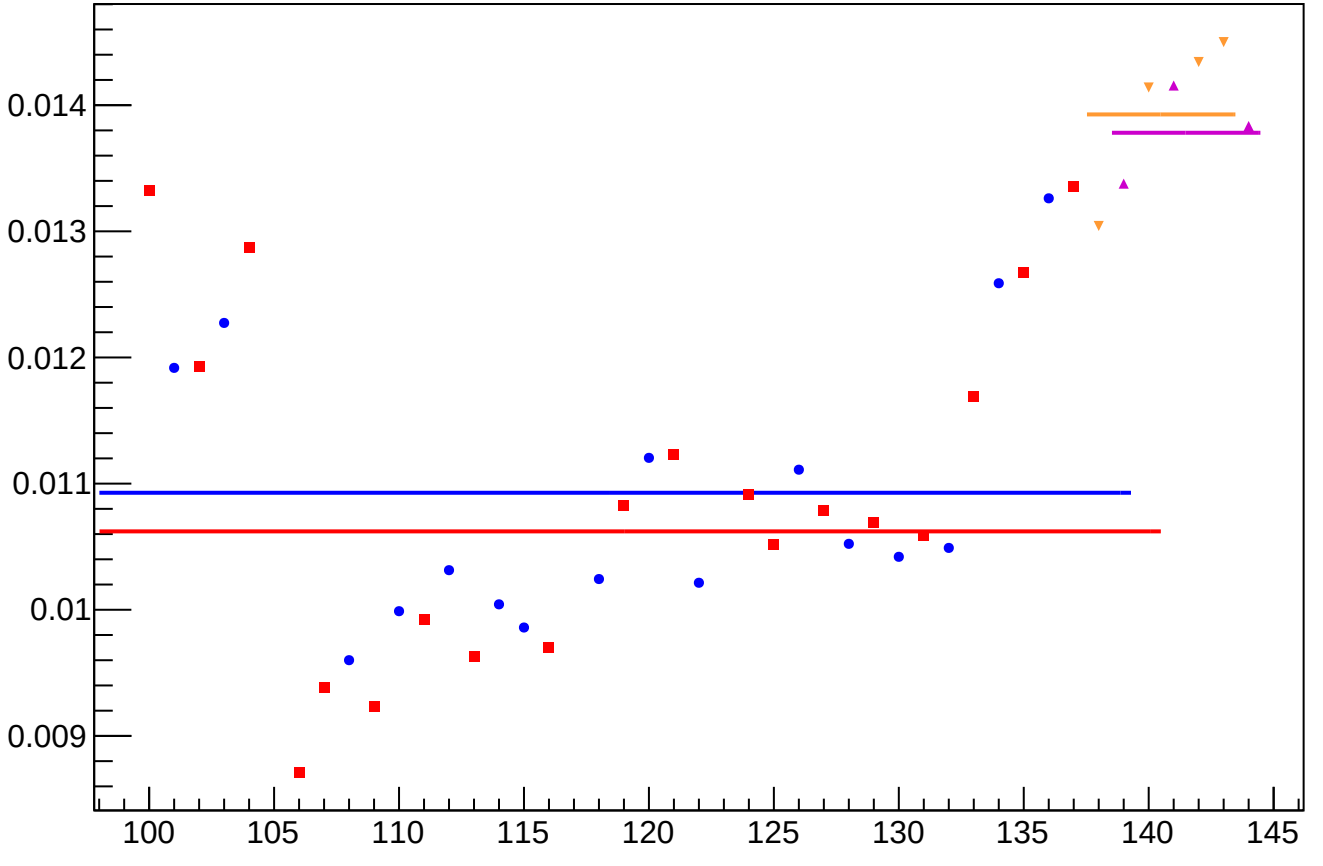
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.556+/-0.000 χ^2/NDF:73367940115.2/18

Out: -0.562+/-0.000 χ^2/NDF:78352891250.5/22

All: -0.559+/-0.000 χ^2/NDF: 151721935922.6

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:10683.5/3

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:2791.2/2

Left: 0.014+/-0.000 χ^2/NDF: 13774.7/6

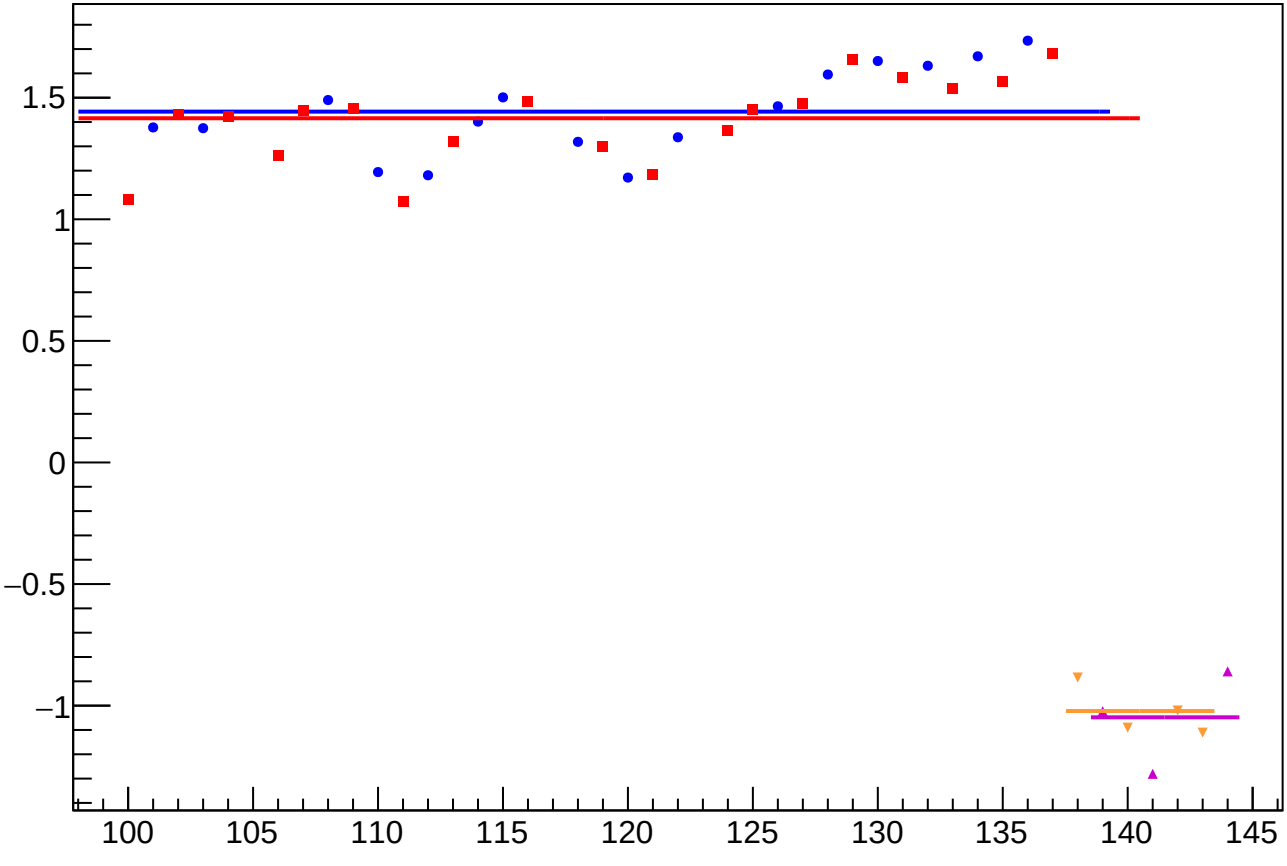
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:321495.2/18

Out: 0.011+/-0.000 χ^2/NDF:462782.4/22

All: 0.011+/-0.000 χ^2/NDF: 788534.9/41

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.022+/-0.000 χ^2/NDF:245251881.1/3

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.048+/-0.000 χ^2/NDF:687271661.2/2

Left: -1.034+/-0.000 χ^2/NDF: 940861094.2/6

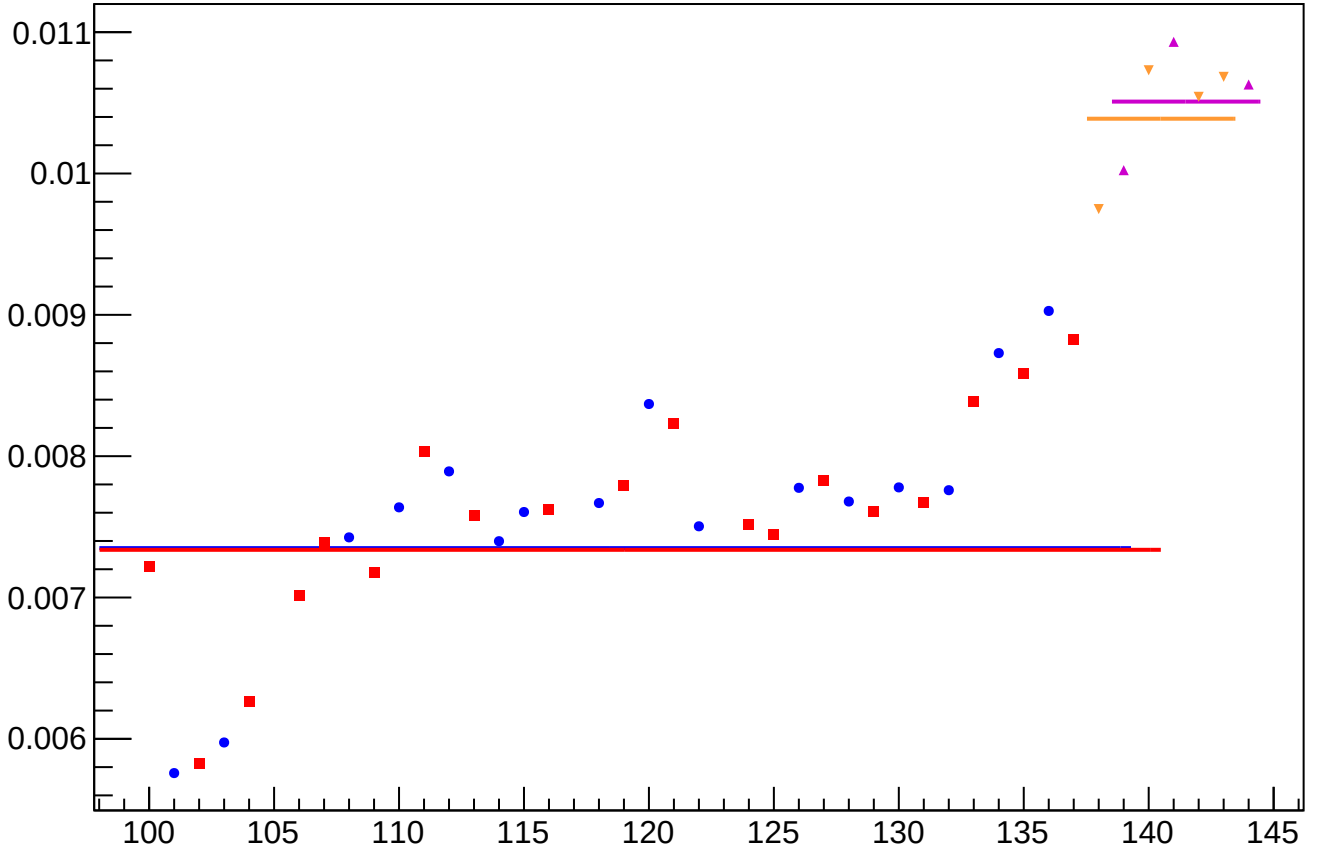
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 1.060+/-0.000 χ^2/NDF:129067418577.5/18

Out: 1.020+/-0.000 χ^2/NDF:135060029951.3/22

All: 1.040+/-0.000 χ^2/NDF: 264256320927.1

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:9822.4/3

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.011+/-0.000 χ^2/NDF:6828.4/2

Left: 0.010+/-0.000 χ^2/NDF: 17017.9/6

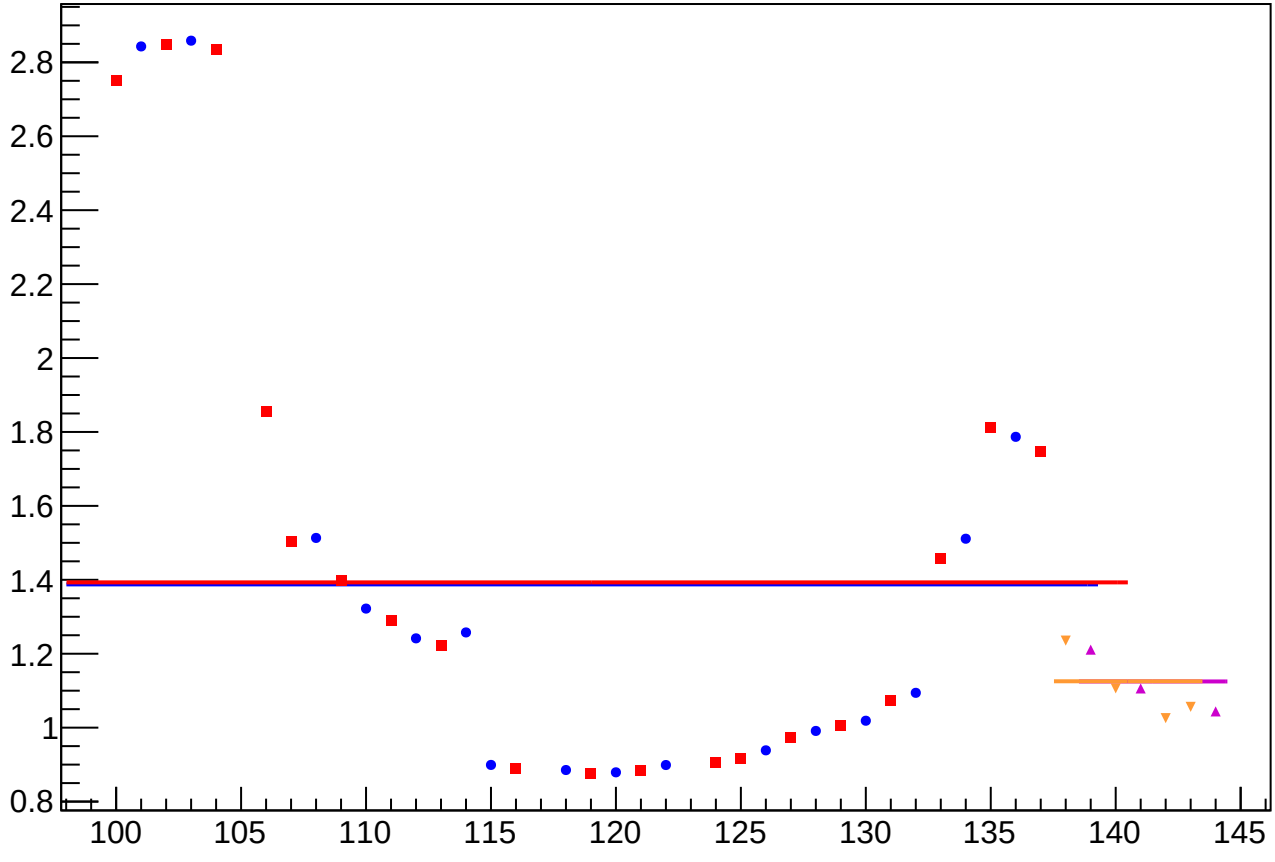
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:678773.1/18

Out: 0.008+/-0.000 χ^2/NDF:618566.0/22

All: 0.008+/-0.000 χ^2/NDF: 1297339.8/41

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.125+/-0.000 χ^2/NDF:277692089.5/3

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.125+/-0.000 χ^2/NDF:190328691.7/2

Left: 1.125+/-0.000 χ^2/NDF: 468025550.8/6

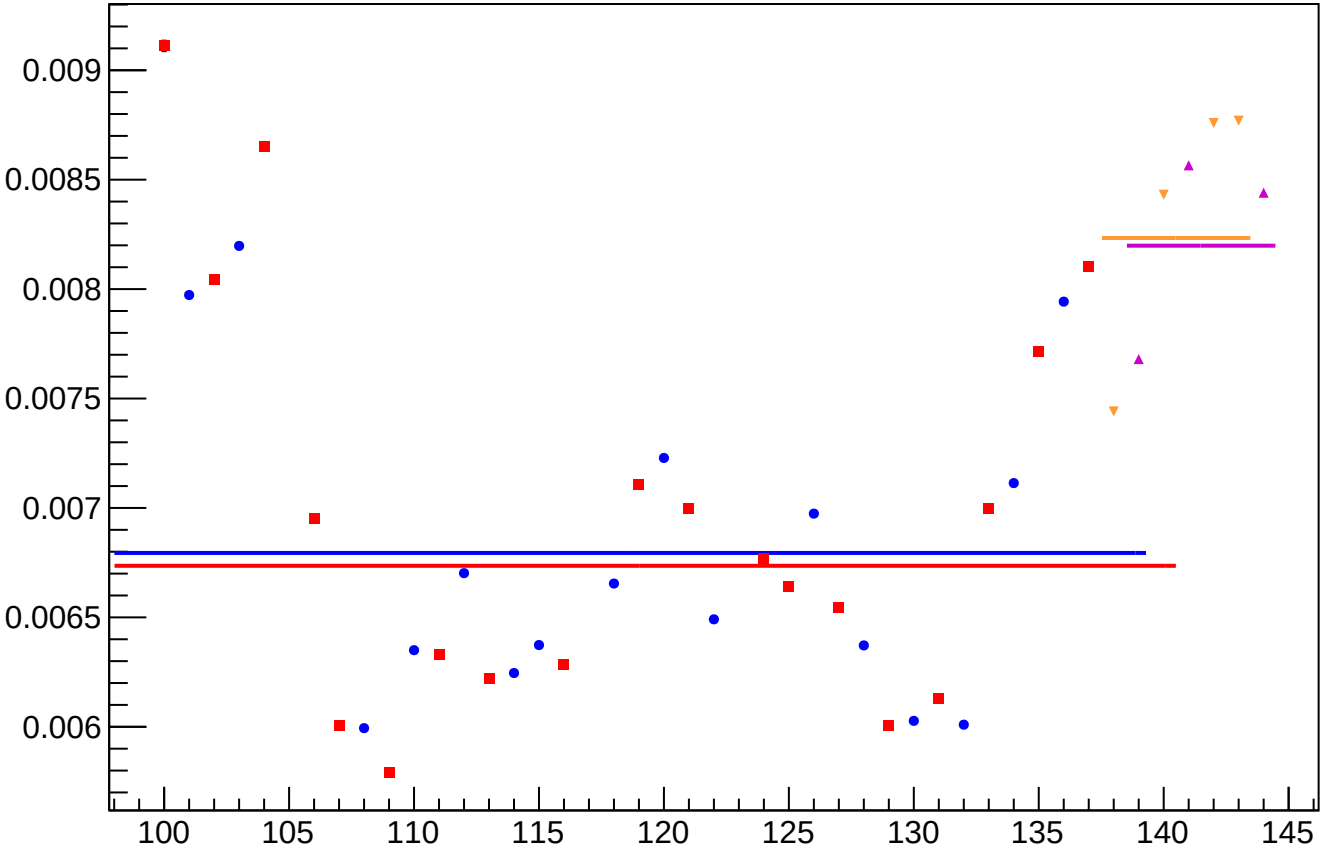
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.335+/-0.000 χ^2/NDF:60923933662.4/18

Out: 1.338+/-0.000 χ^2/NDF:58018015553.8/22

All: 1.337+/-0.000 χ^2/NDF: 118942960458.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:27389.8/3

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:12280.0/2

Left: 0.008+/-0.000 χ^2/NDF: 39719.1/6

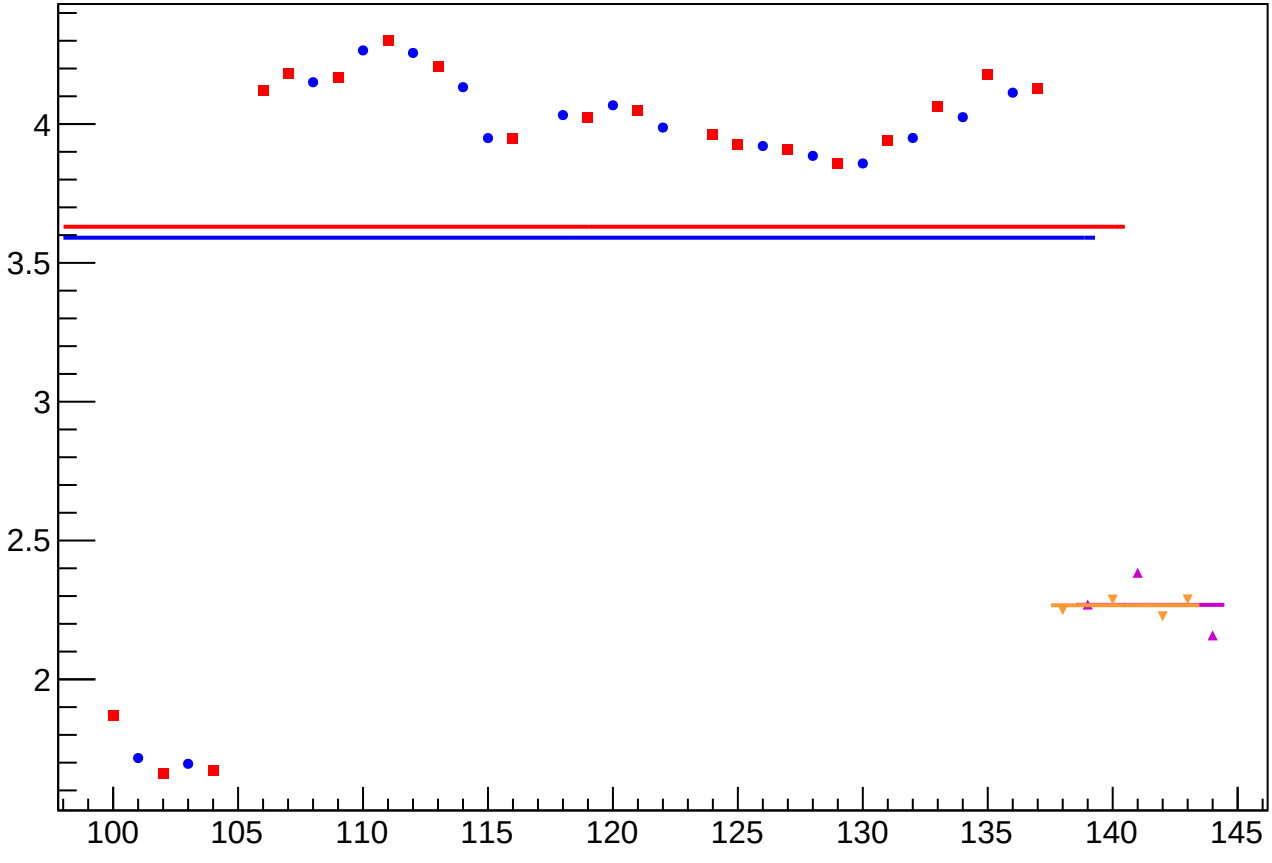
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:297976.5/18

Out: 0.007+/-0.000 χ^2/NDF:374700.4/22

All: 0.007+/-0.000 χ^2/NDF: 672891.9/41

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.267+/-0.000 χ^2/NDF:30481948.9/3

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.268+/-0.000 χ^2/NDF:397999855.1/2

Left: 2.268+/-0.000 χ^2/NDF: 428523873.2/6

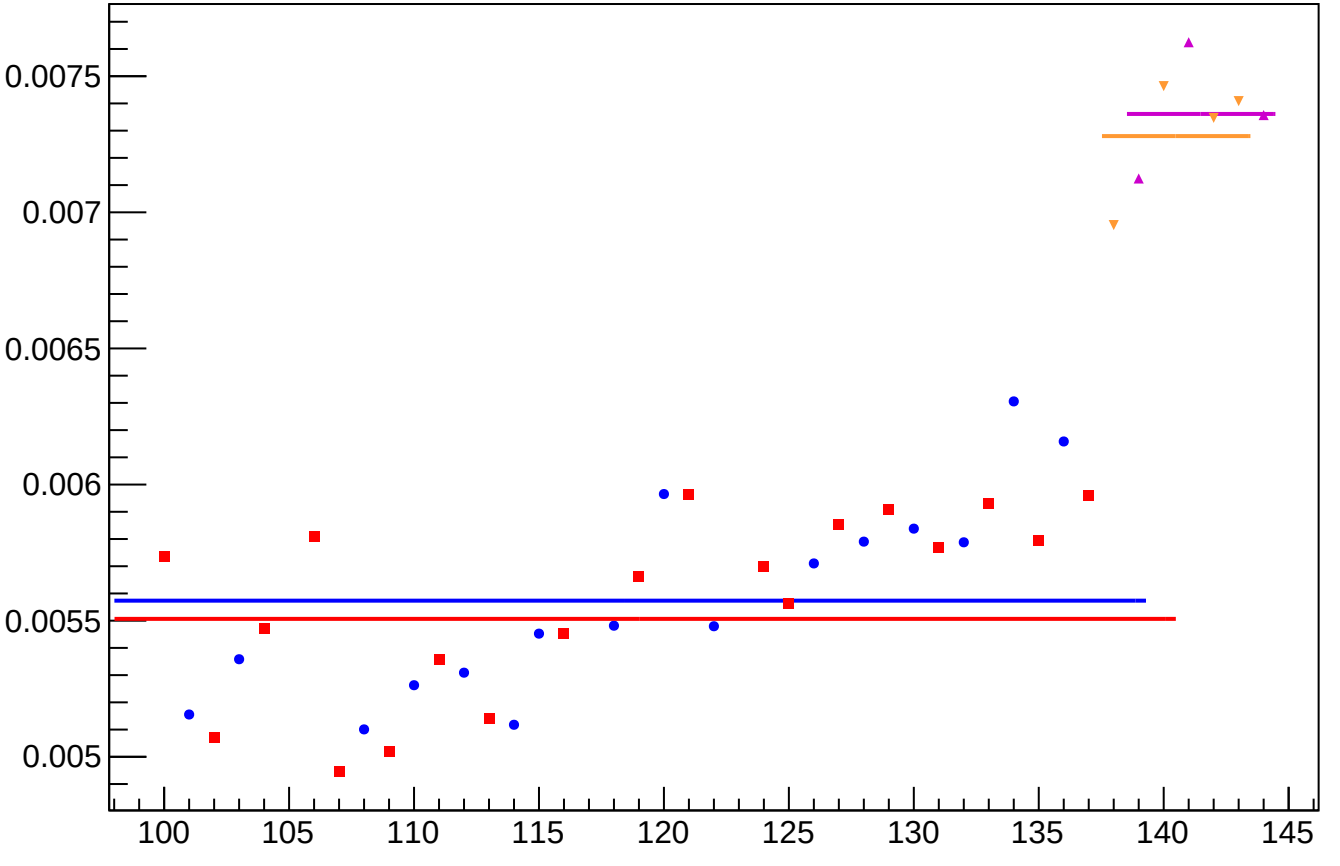
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.363+/-0.000 χ^2/NDF:271946558086.2/18

Out: 3.382+/-0.000 χ^2/NDF:294046124735.2/22

All: 3.373+/-0.000 χ^2/NDF: 566042889360.4

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4953.0/3

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.007+/-0.000 χ^2/NDF:3965.0/2

Left: 0.007+/-0.000 χ^2/NDF: 9252.5/6

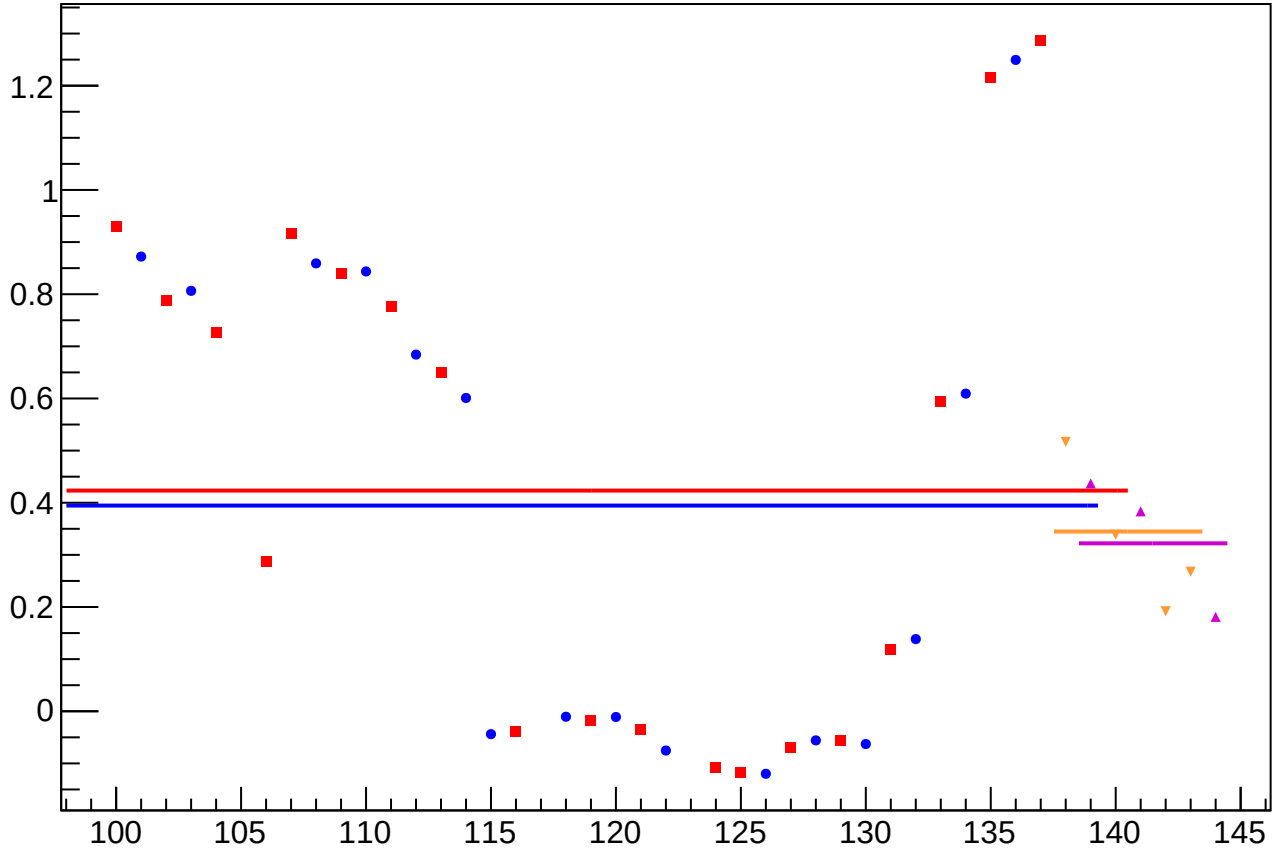
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:316640.1/18

Out: 0.006+/-0.000 χ^2/NDF:337989.2/22

All: 0.006+/-0.000 χ^2/NDF: 655389.3/41

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.345+/-0.000 χ^2/NDF:148318110.5/3

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.322+/-0.000 χ^2/NDF:133467264.9/2

Left: 0.334+/-0.000 χ^2/NDF: 284488725.9/6

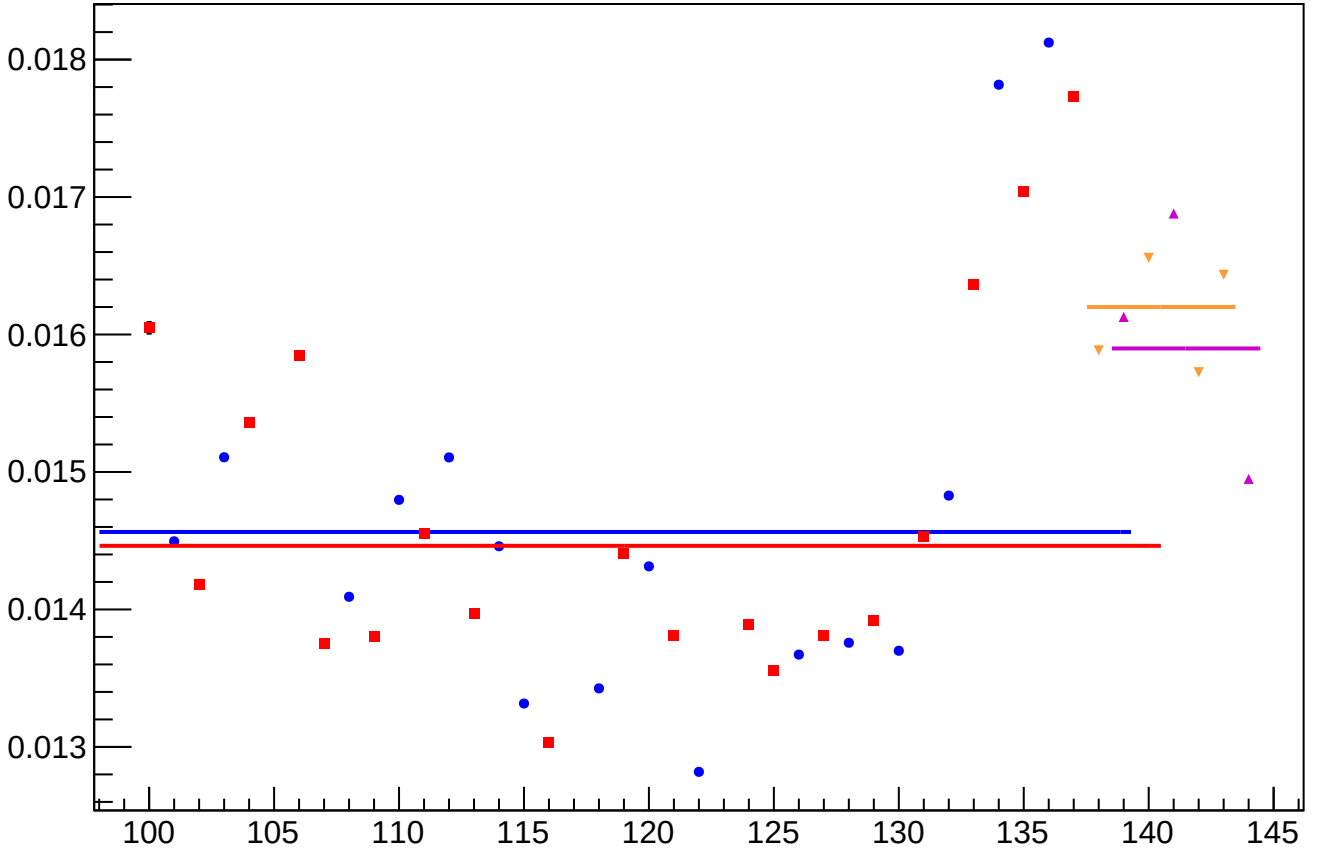
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.378+/-0.000 χ^2/NDF:7587333817.2/18

Out: 0.405+/-0.000 χ^2/NDF:7103303675.4/22

All: 0.391+/-0.000 χ^2/NDF: 14707167823.4/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:2500.7/3

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:13453.9/2

Left: 0.016+/-0.000 χ^2/NDF: 16913.9/6

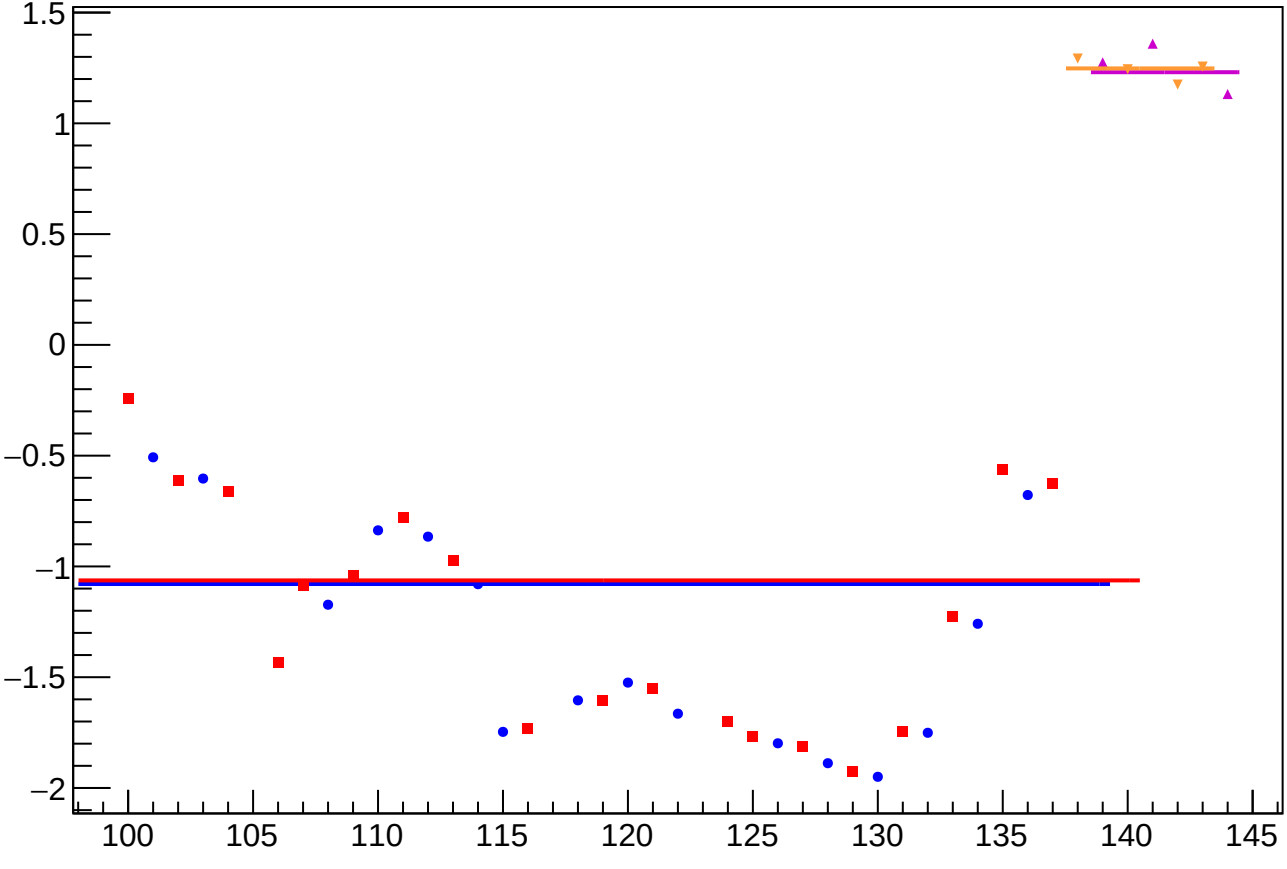
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:174647.9/18

Out: 0.015+/-0.000 χ^2/NDF:129690.4/22

All: 0.015+/-0.000 χ^2/NDF: 304338.7/41

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.248+/-0.000 χ^2/NDF:270121954.9/3

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.231+/-0.000 χ^2/NDF:1507368178.4/2

Left: 1.240+/-0.000 χ^2/NDF: 1802645762.6/6

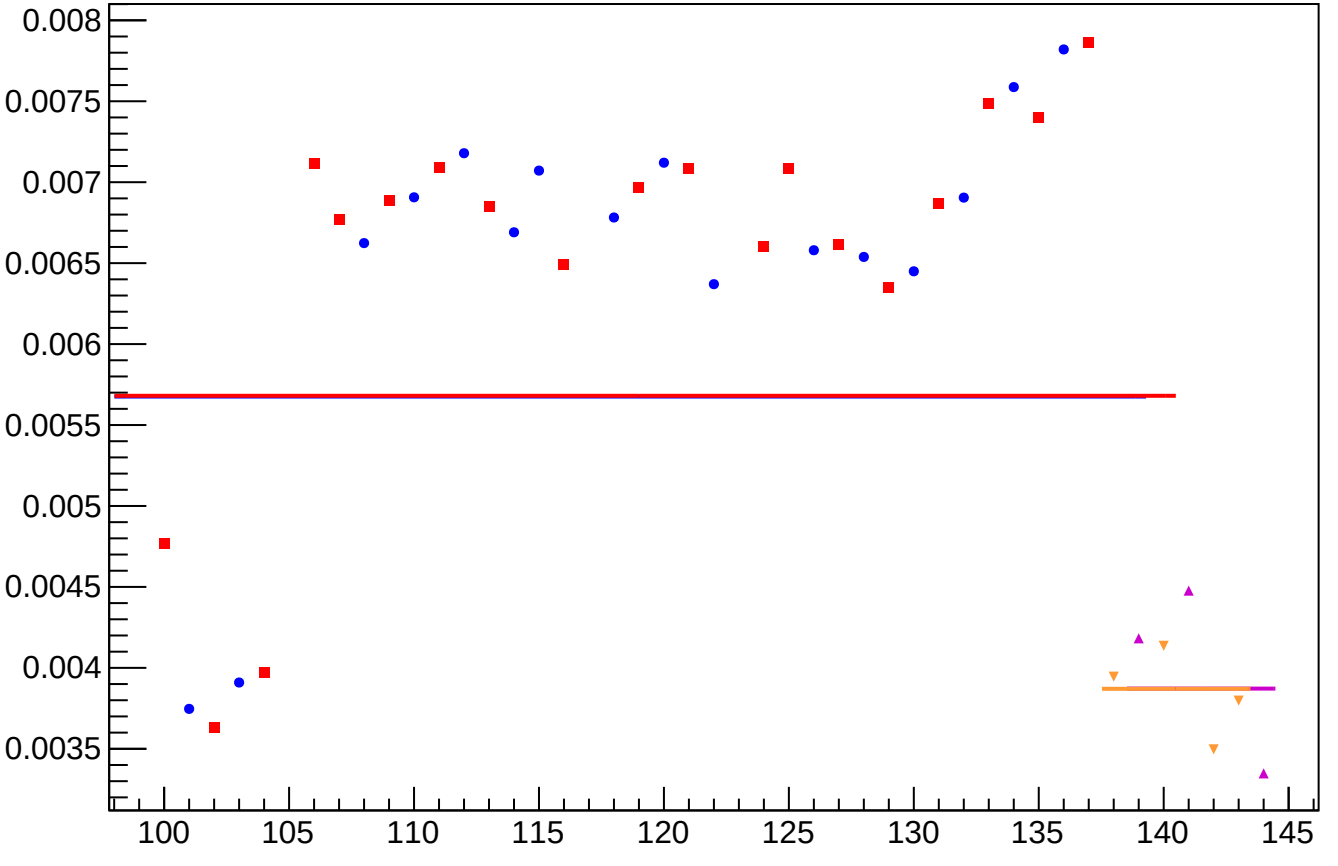
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: -0.037+/-0.000 χ^2/NDF:537031472373.3/18

Out: 0.033+/-0.000 χ^2/NDF:556233006885.9/22

All: -0.001+/-0.000 χ^2/NDF: 1094171318646

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:16804.4/3

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:80445.7/2

Left: 0.004+/-0.000 χ^2/NDF: 97250.4/6

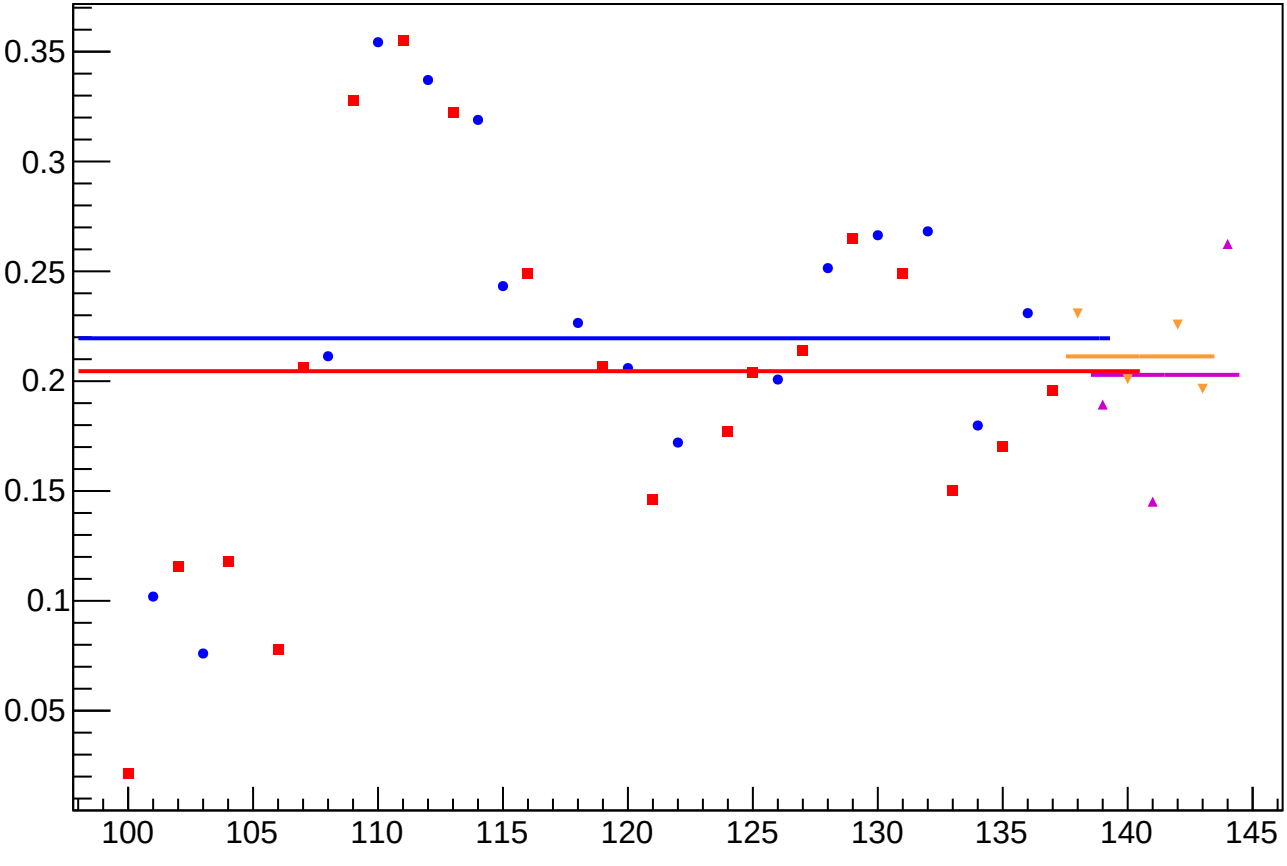
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1605574.3/18

Out: 0.005+/-0.000 χ^2/NDF:1618143.1/22

All: 0.005+/-0.000 χ^2/NDF: 3224303.9/41

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.211+/-0.000 χ^2/NDF:341274693.8/3

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.203+/-0.000 χ^2/NDF:3435259545.3/2

Left: 0.207+/-0.000 χ^2/NDF: 3827460826.2/6

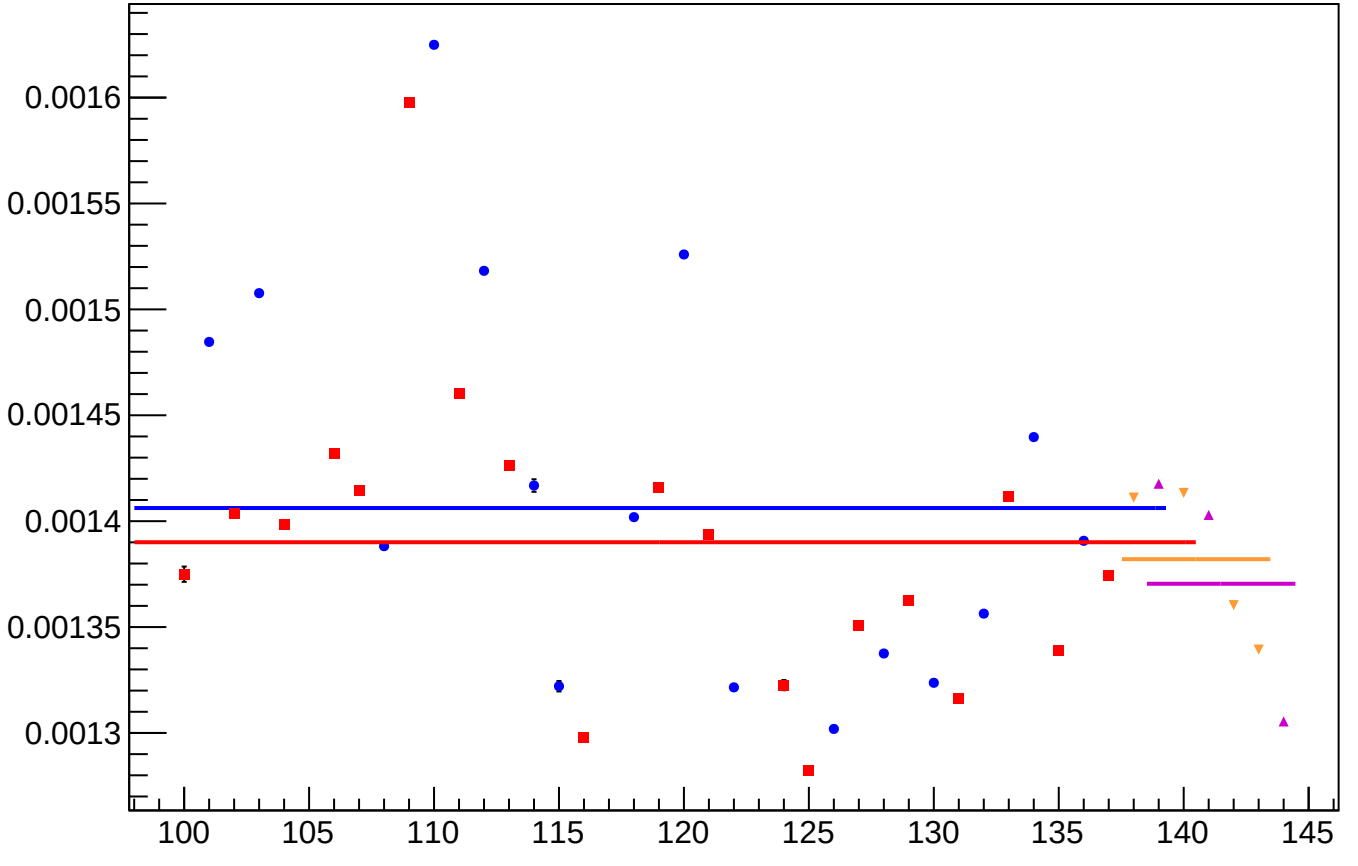
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.215+/-0.000 χ^2/NDF:20441271752.1/18

Out: 0.206+/-0.000 χ^2/NDF:22702374891.6/22

All: 0.210+/-0.000 χ^2/NDF: 43321005574.5/4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3350.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:7265.9/2

Left: 0.001+/-0.000 χ^2/NDF: 10809.8/6

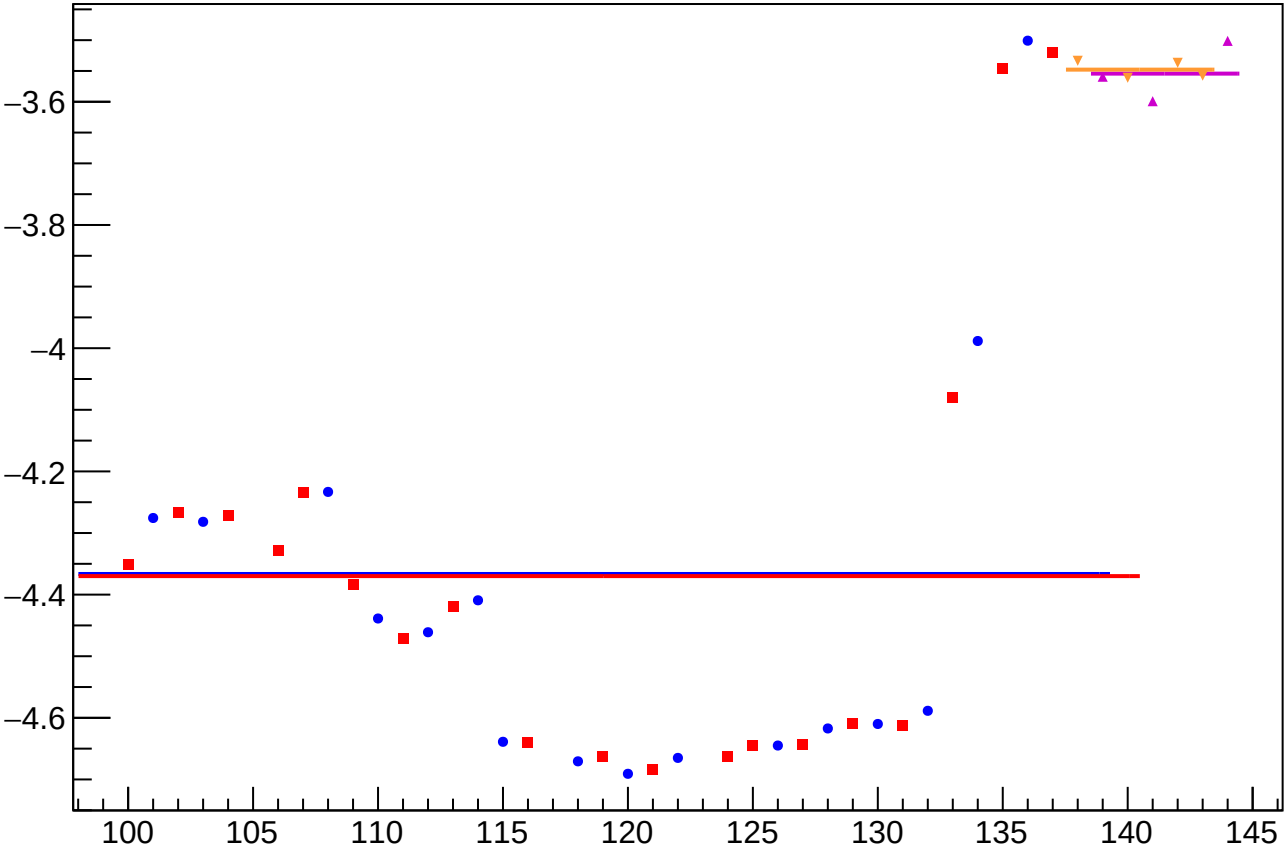
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:58015.3/18

Out: 0.001+/-0.000 χ^2/NDF:38274.6/22

All: 0.001+/-0.000 χ^2/NDF: 96637.0/41

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.548+/-0.000 χ^2/NDF:136999530.5/3

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.554+/-0.000 χ^2/NDF:1227232308.7/2

Left: -3.551+/-0.000 χ^2/NDF: 1381585503.2/6

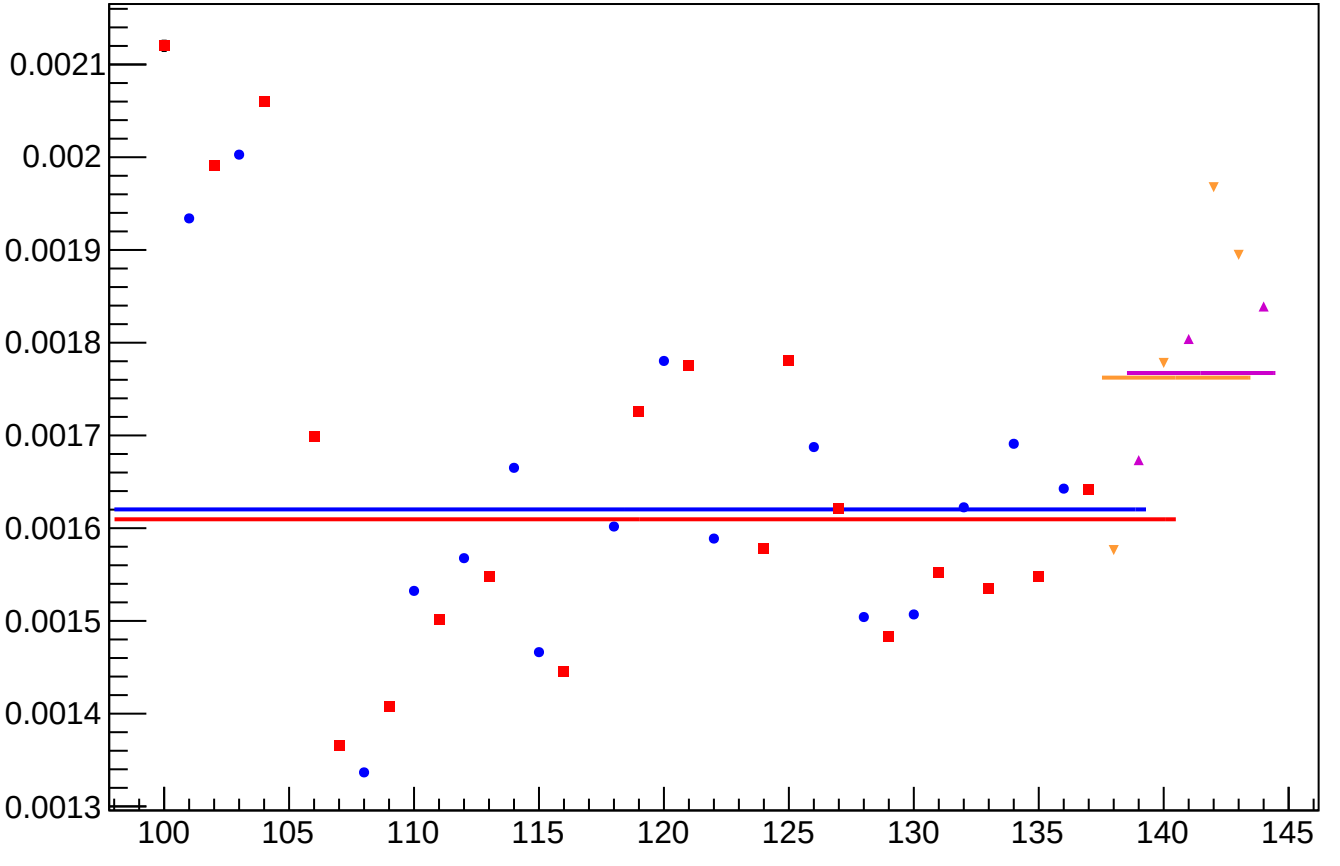
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.177+/-0.000 χ^2/NDF:757680414251.7/18

Out: -4.174+/-0.000 χ^2/NDF:739724301475.4/22

All: -4.175+/-0.000 χ^2/NDF: 1497422476705

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:36749.6/3

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:8367.7/2

Left: 0.002+/-0.000 χ^2/NDF: 45137.9/6

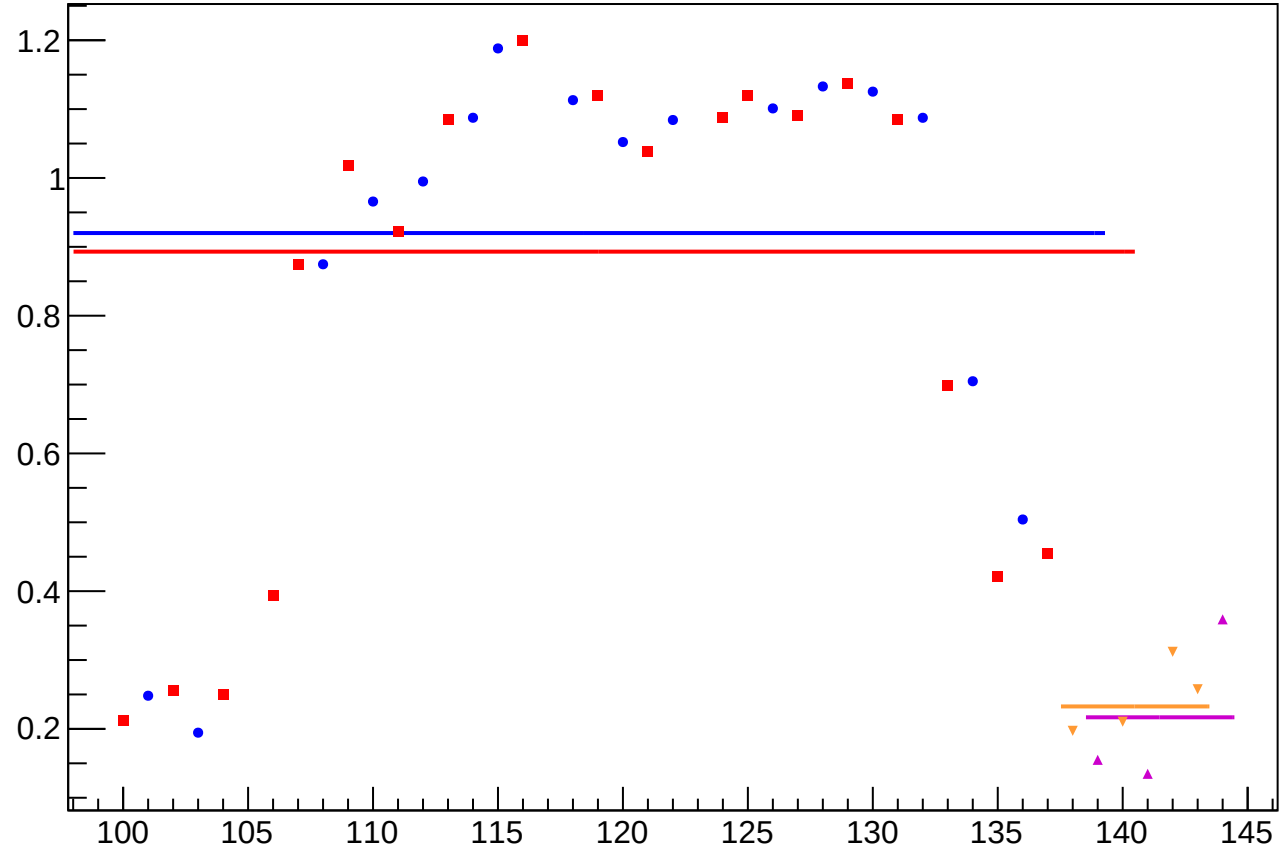
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:175044.2/18

Out: 0.002+/-0.000 χ^2/NDF:252337.6/22

All: 0.002+/-0.000 χ^2/NDF: 427637.7/41

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.233+/-0.000 χ^2/NDF:60247855.0/3

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.217+/-0.000 χ^2/NDF:362911168.9/2

Left: 0.225+/-0.000 χ^2/NDF: 427730042.9/6

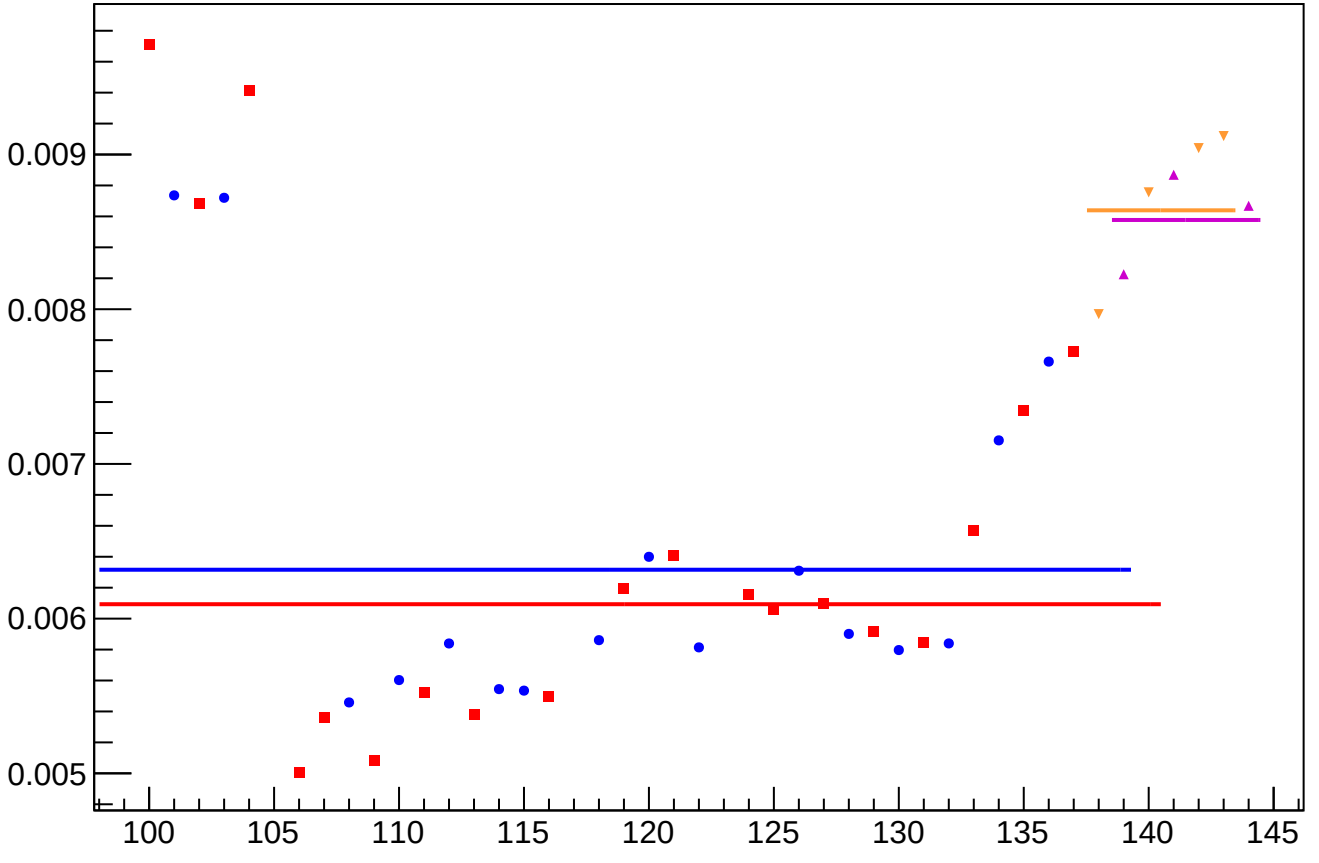
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.802+/-0.000 χ^2/NDF:29539882073.7/18

Out: 0.785+/-0.000 χ^2/NDF:31582964805.0/22

All: 0.793+/-0.000 χ^2/NDF: 61152546758.6/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:17351.2/3

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:5177.1/2

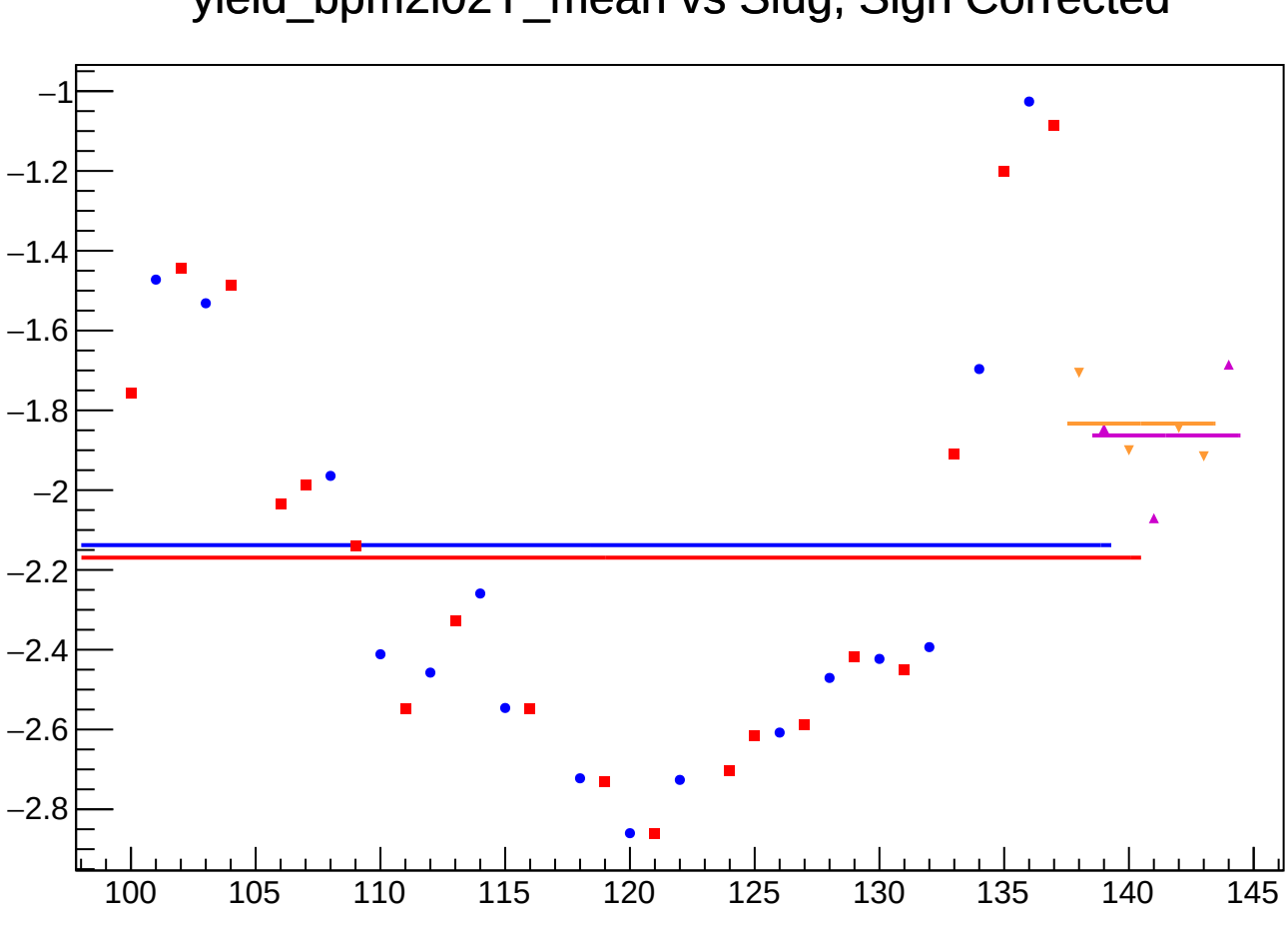
Left: 0.009+/-0.000 χ^2/NDF: 22671.4/6

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

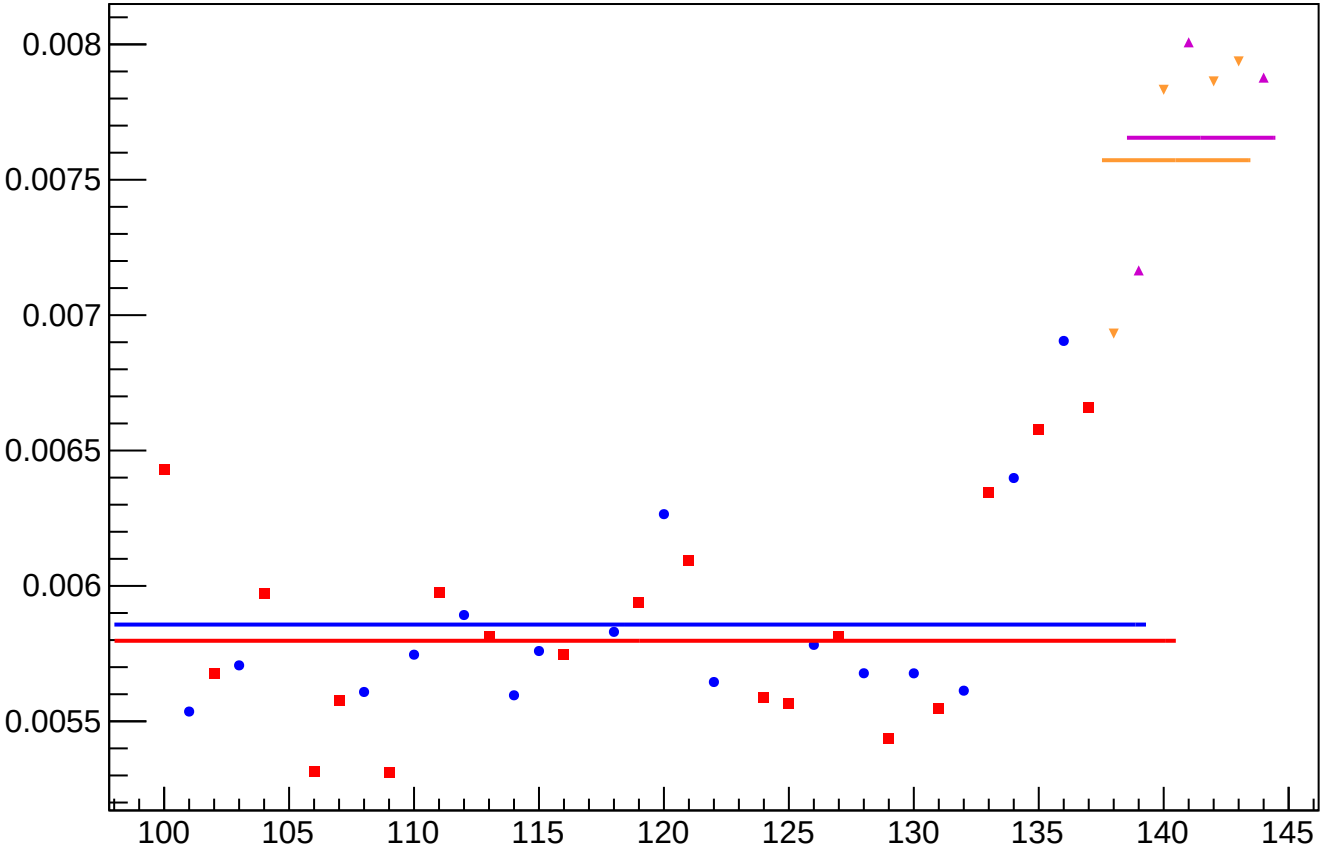
In: 0.007+/-0.000 χ^2/NDF:642924.4/18

Out: 0.007+/-0.000 χ^2/NDF:865899.1/22

All: 0.007+/-0.000 χ^2/NDF: 1516679.8/41


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
105
110
115
120
125
130
135
140
145
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -1.833+/-0.000 χ²/NDF:410885465.5/3
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -1.863+/-0.000 χ²/NDF:1052302645.9/2
Left: -1.847+/-0.000 χ²/NDF: 1483909981.3/6
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.090+/-0.000 χ²/NDF:69504877718.9/18
Out: -2.108+/-0.000 χ²/NDF:62417534936.6/22
All: -2.099+/-0.000 χ²/NDF: 131965187701.5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:19731.7/3

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:12744.6/2

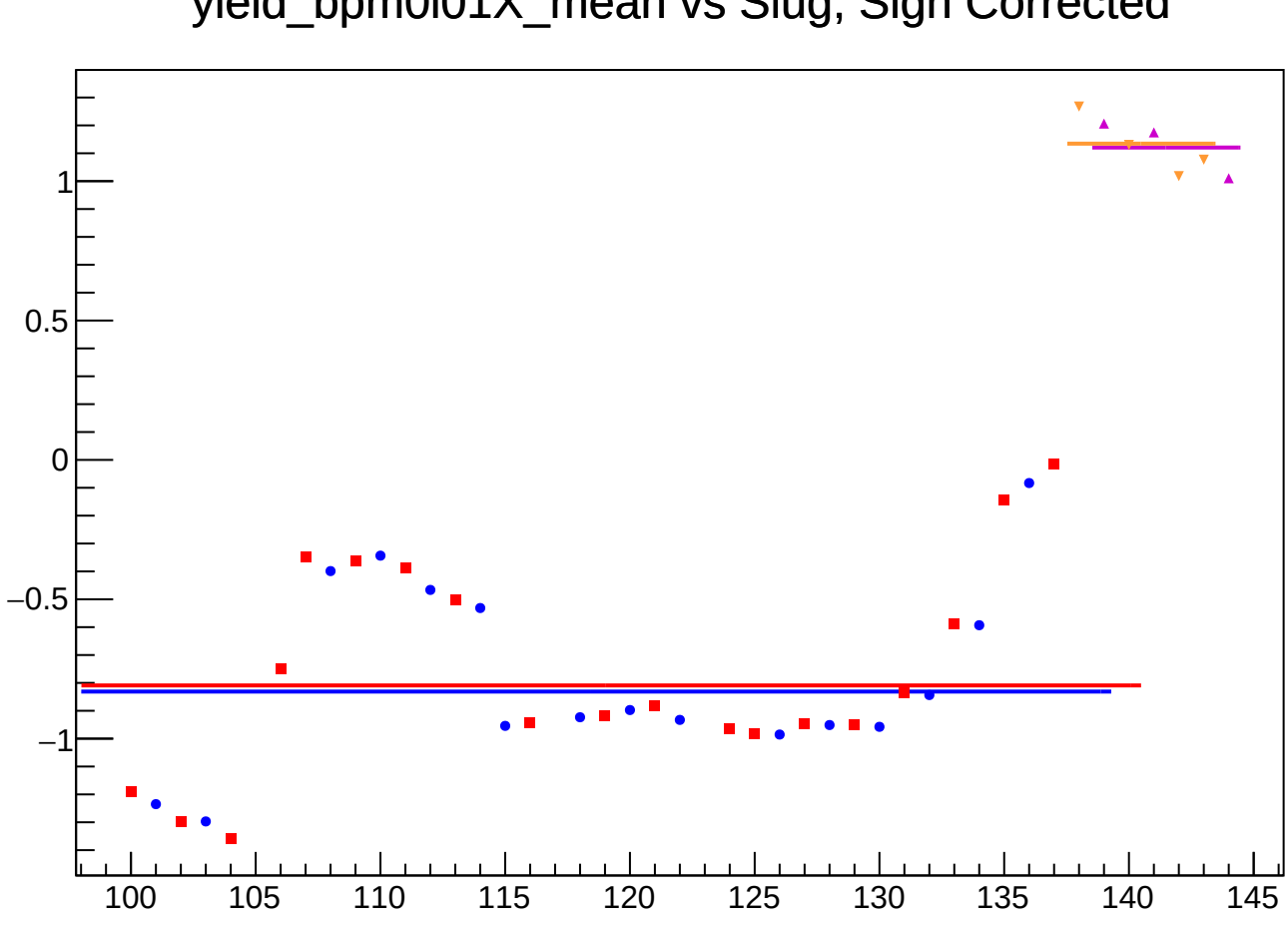
Left: 0.008+/-0.000 χ^2/NDF: 32800.5/6

Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

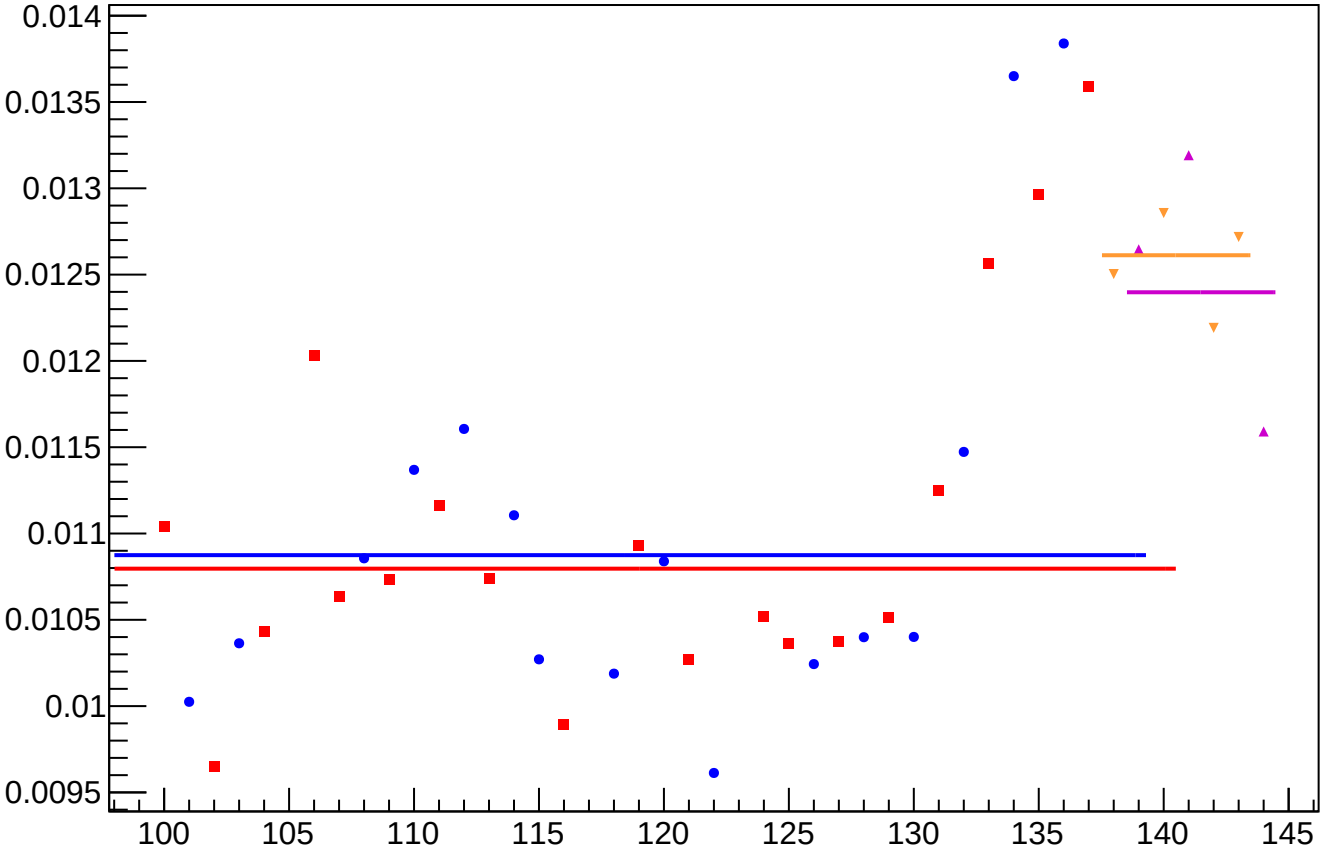
In: 0.006+/-0.000 χ^2/NDF:312816.0/18

Out: 0.006+/-0.000 χ^2/NDF:332568.0/22

All: 0.006+/-0.000 χ^2/NDF: 646043.7/41


yield_bpm0i01X_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.831+/-0.000 χ²/NDF: 7112259663.3/15
Left Out: 1.135+/-0.000 χ²/NDF:142993315.8/3
Right Out: -0.809+/-0.000 χ²/NDF: 8146337898.7/18
Left In: 1.121+/-0.000 χ²/NDF:133790720.3/2
Left: 1.128+/-0.000 χ²/NDF: 278482048.2/6
Right: -0.820+/-0.000 χ²/NDF: 15273298764.6/34
In: -0.399+/-0.000 χ²/NDF:57389269881.5/18
Out: -0.374+/-0.000 χ²/NDF:60678271425.2/22
All: -0.387+/-0.000 χ²/NDF: 118091678398.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:1867.7/3

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.012+/-0.000 χ^2/NDF:15607.8/2

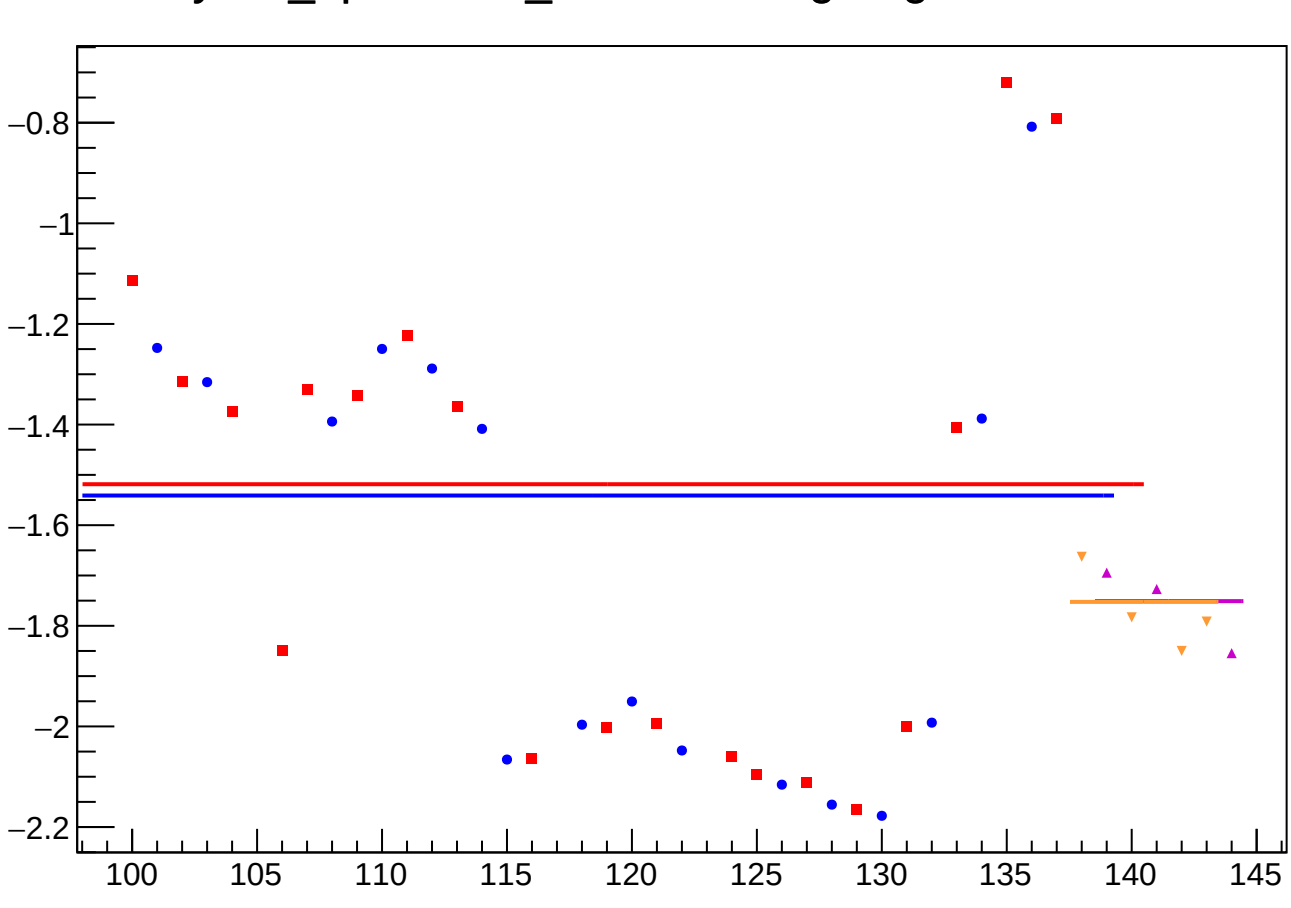
Left: 0.013+/-0.000 χ^2/NDF: 18274.9/6

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:234293.5/18

Out: 0.011+/-0.000 χ^2/NDF:192443.3/22

All: 0.011+/-0.000 χ^2/NDF: 426743.4/41



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.752+/-0.000 χ^2/NDF:1452074355.6/3

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.751+/-0.000 χ^2/NDF:1200808827.8/2

Left: -1.752+/-0.000 χ^2/NDF: 2653215700.6/6

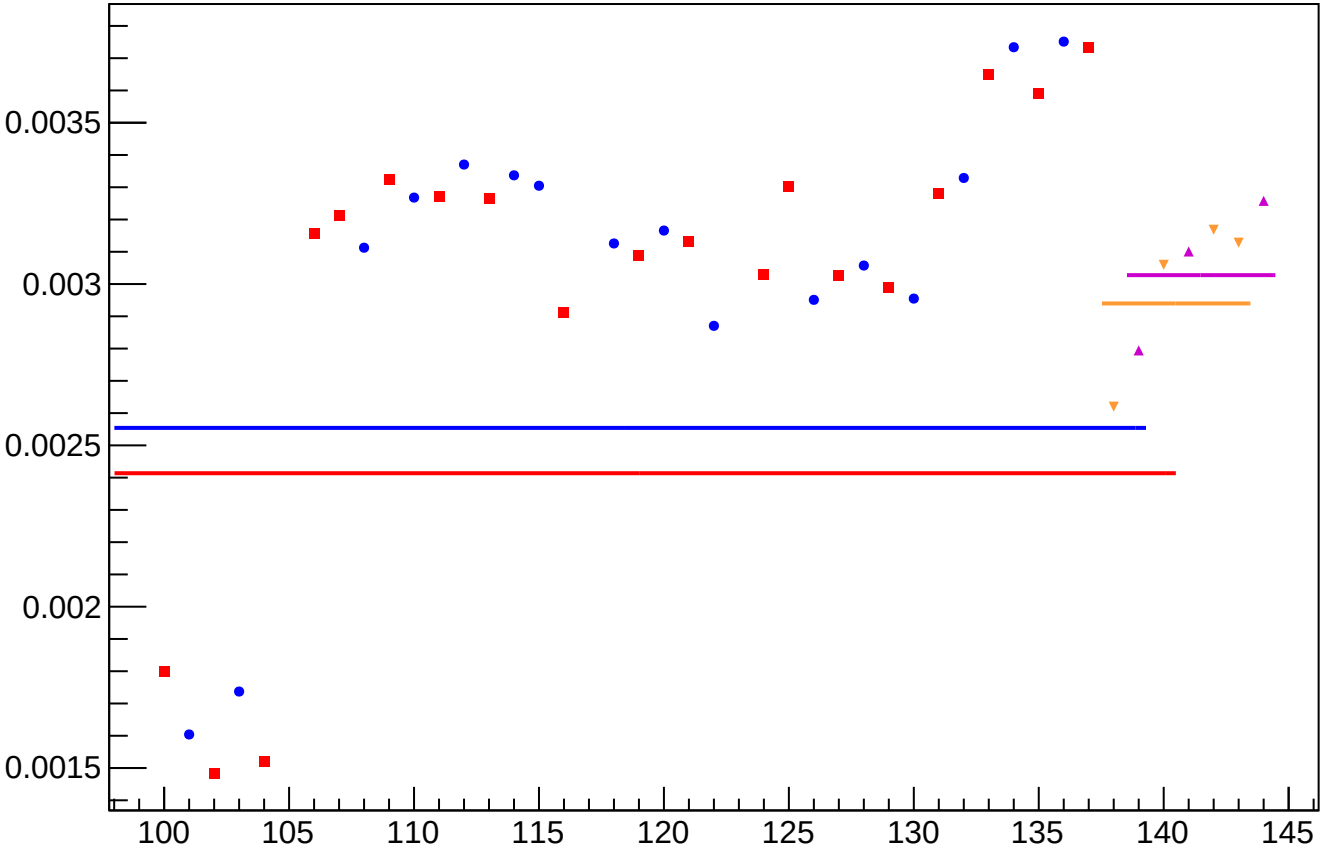
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.588+/-0.000 χ^2/NDF:172743748832.8/18

Out: -1.574+/-0.000 χ^2/NDF:159688383292.0/22

All: -1.581+/-0.000 χ^2/NDF: 332556124623.

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:34456.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:20291.3/2

Left: 0.003+/-0.000 χ^2/NDF: 56971.9/6

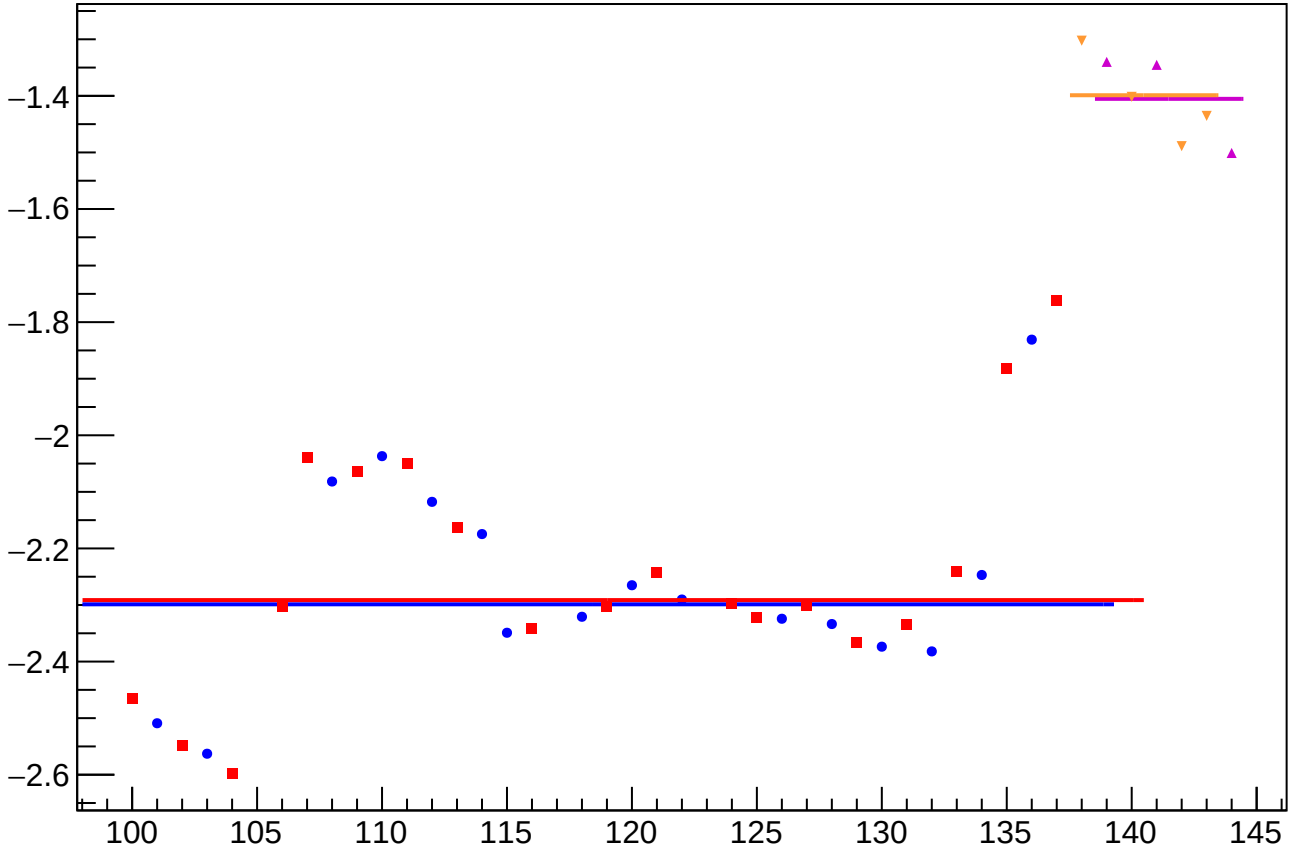
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1285661.4/18

Out: 0.003+/-0.000 χ^2/NDF:1714478.4/22

All: 0.003+/-0.000 χ^2/NDF: 3018813.3/41

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.399+/-0.000 χ^2/NDF:156706002.5/3

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.405+/-0.000 χ^2/NDF:210294205.8/2

Left: -1.402+/-0.000 χ^2/NDF: 367733131.5/6

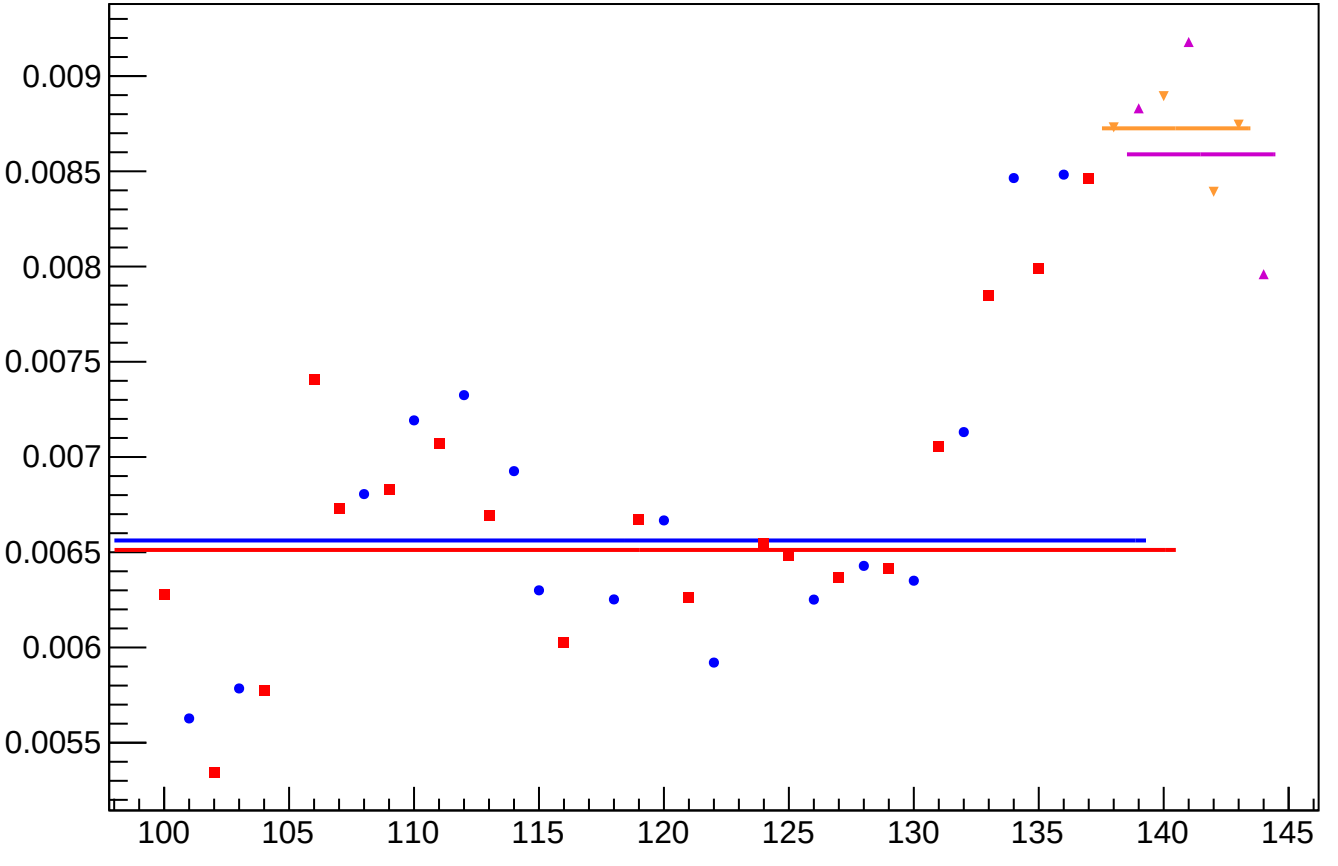
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.139+/-0.000 χ^2/NDF:29279769565.5/18

Out: -2.129+/-0.000 χ^2/NDF:31224674555.8/22

All: -2.134+/-0.000 χ^2/NDF: 60514340055.2/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:1965.0/3

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:19465.8/2

Left: 0.009+/-0.000 χ^2/NDF: 22102.7/6

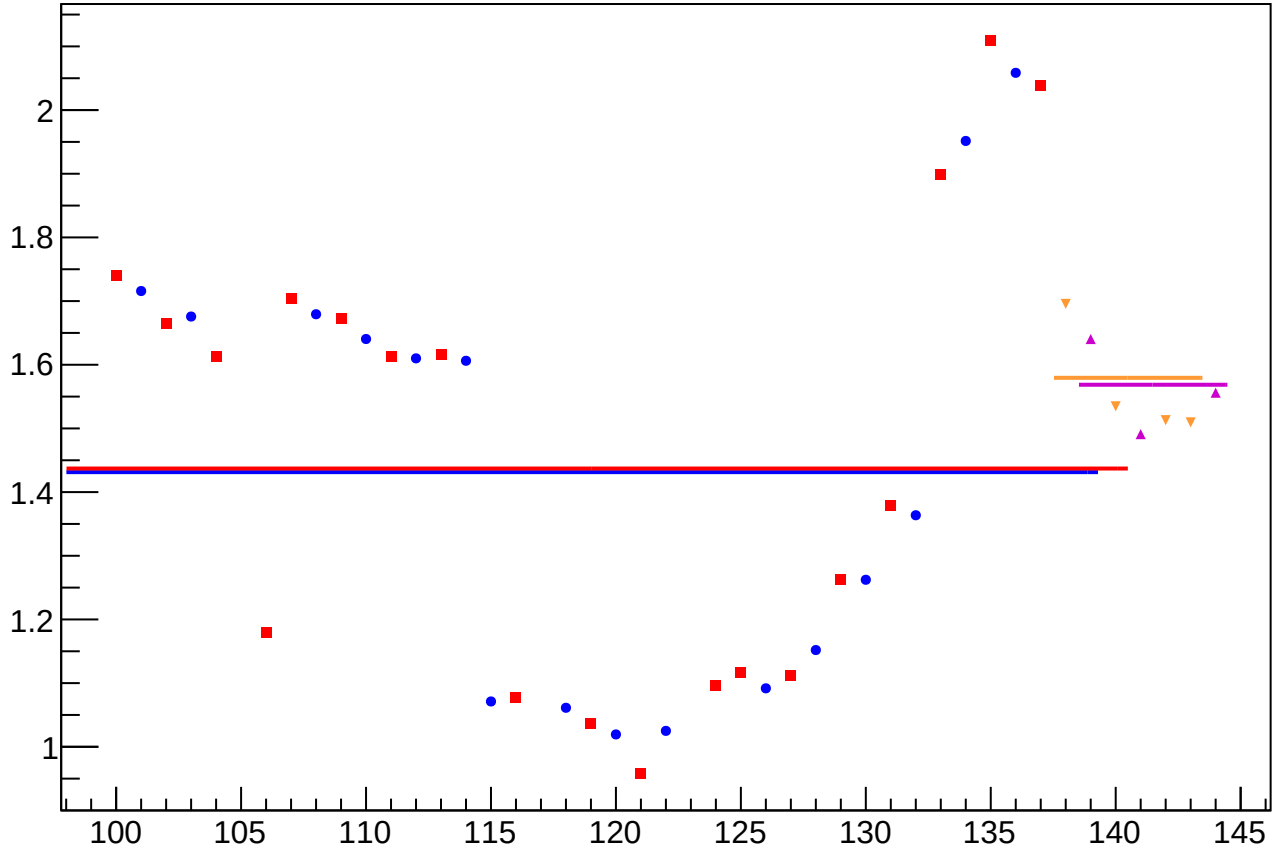
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:477543.2/18

Out: 0.007+/-0.000 χ^2/NDF:485142.8/22

All: 0.007+/-0.000 χ^2/NDF: 962705.3/41

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.579+/-0.000 χ^2/NDF:827921405.1/3

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.569+/-0.000 χ^2/NDF:422493380.8/2

Left: 1.574+/-0.000 χ^2/NDF: 1257041026.9/6

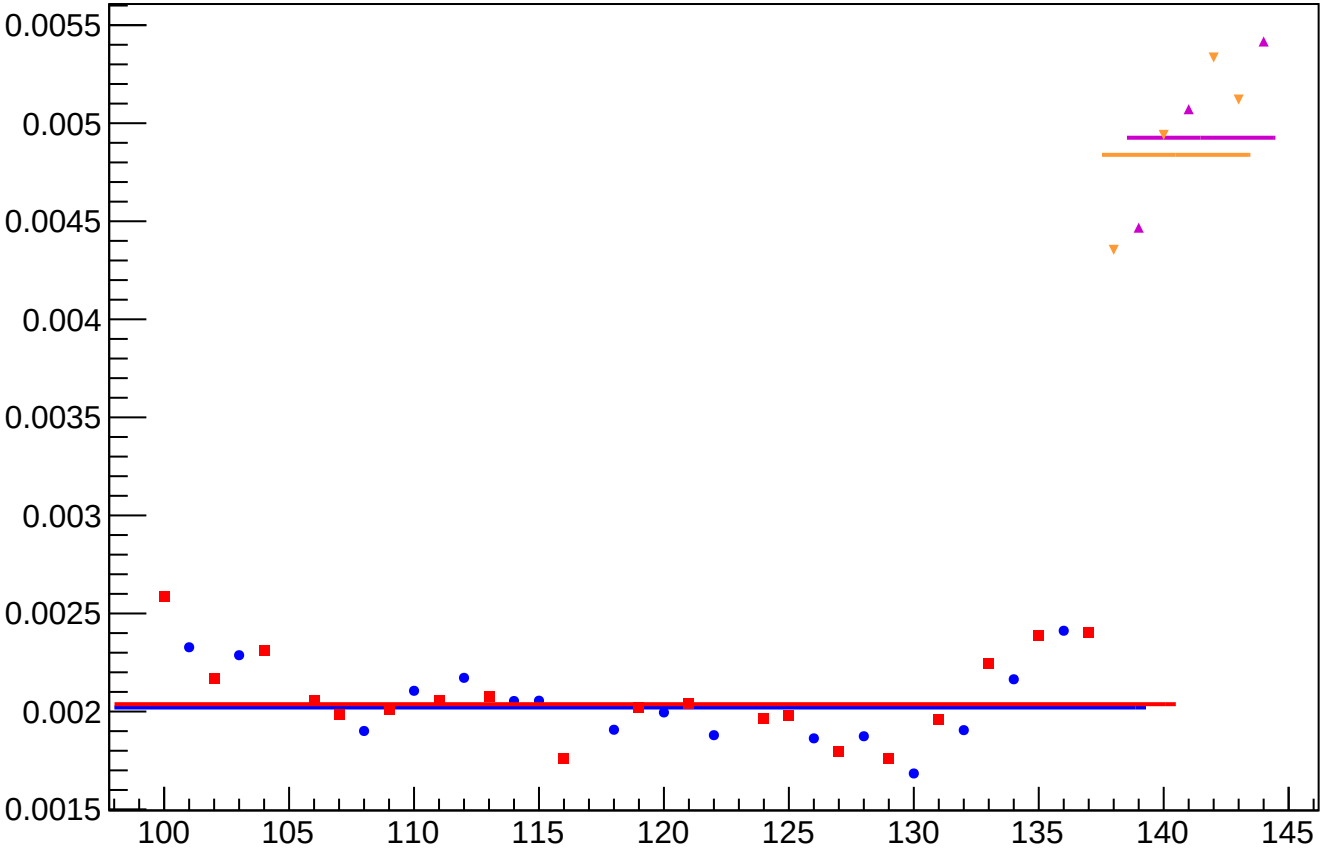
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.440+/-0.000 χ^2/NDF:191448693523.0/18

Out: 1.447+/-0.000 χ^2/NDF:185118448830.8/22

All: 1.443+/-0.000 χ^2/NDF: 376611967434.7

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:31793.8/3

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:32801.8/2

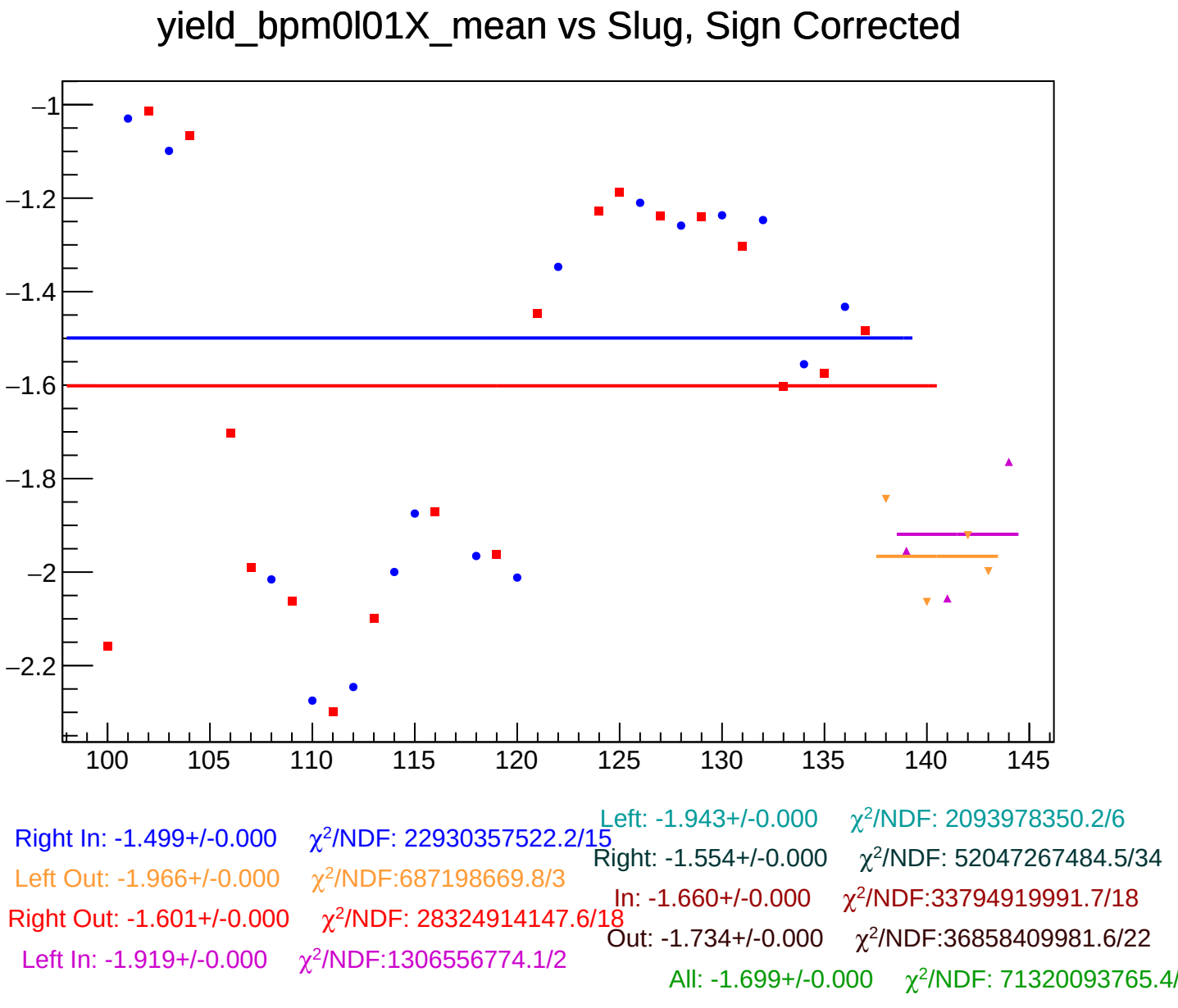
Left: 0.005+/-0.000 χ^2/NDF: 65445.5/6

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

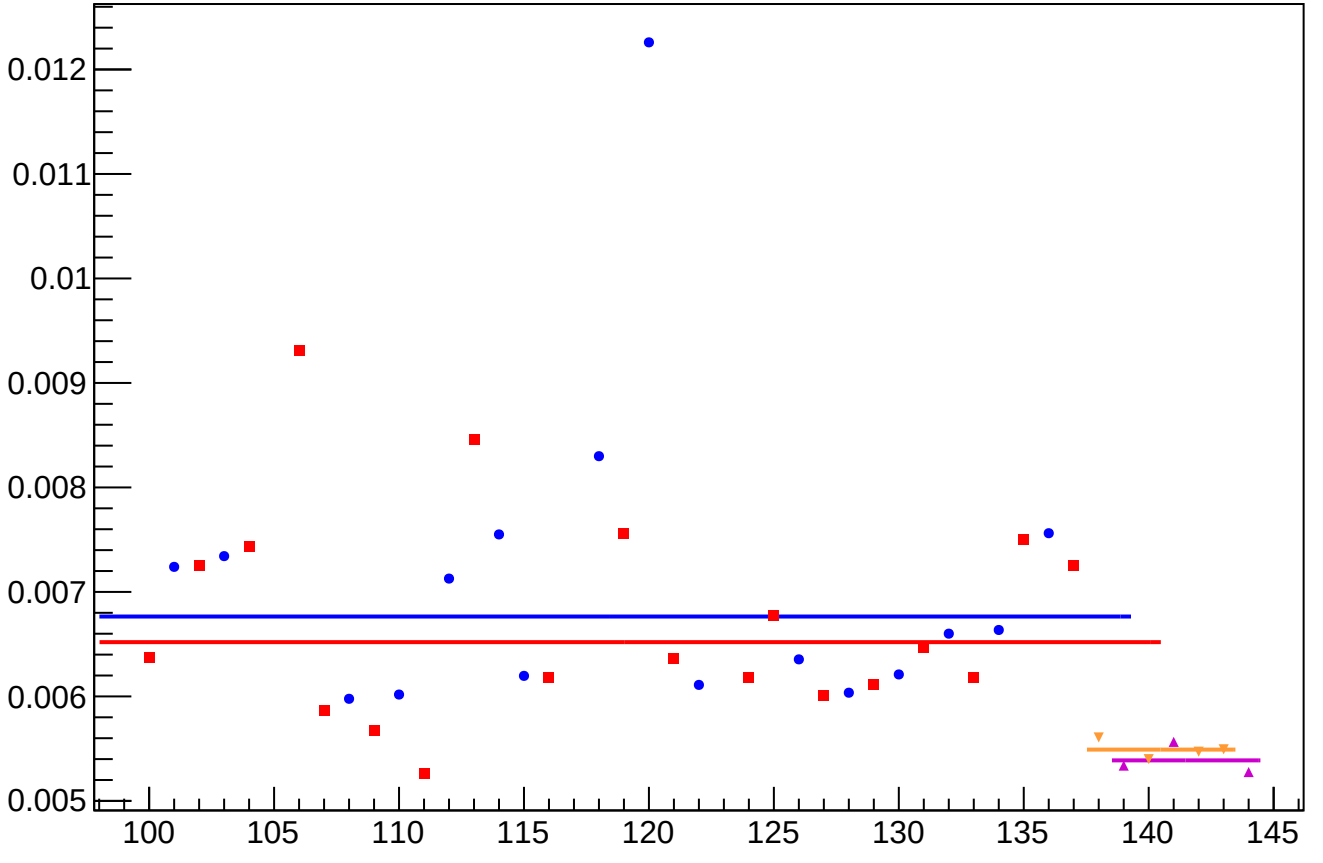
In: 0.002+/-0.000 χ^2/NDF:1841714.5/18

Out: 0.002+/-0.000 χ^2/NDF:1901635.8/22

All: 0.002+/-0.000 χ^2/NDF: 3745354.9/41


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
105
110
115
120
125
130
135
140
145
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.966+/-0.000 χ²/NDF:687198669.8/3
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.919+/-0.000 χ²/NDF:1306556774.1/2
Left: -1.943+/-0.000 χ²/NDF: 2093978350.2/6
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.660+/-0.000 χ²/NDF:33794919991.7/18
Out: -1.734+/-0.000 χ²/NDF:36858409981.6/22
All: -1.699+/-0.000 χ²/NDF: 71320093765.4/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1134.3/3

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.005+/-0.000 χ^2/NDF:2666.1/2

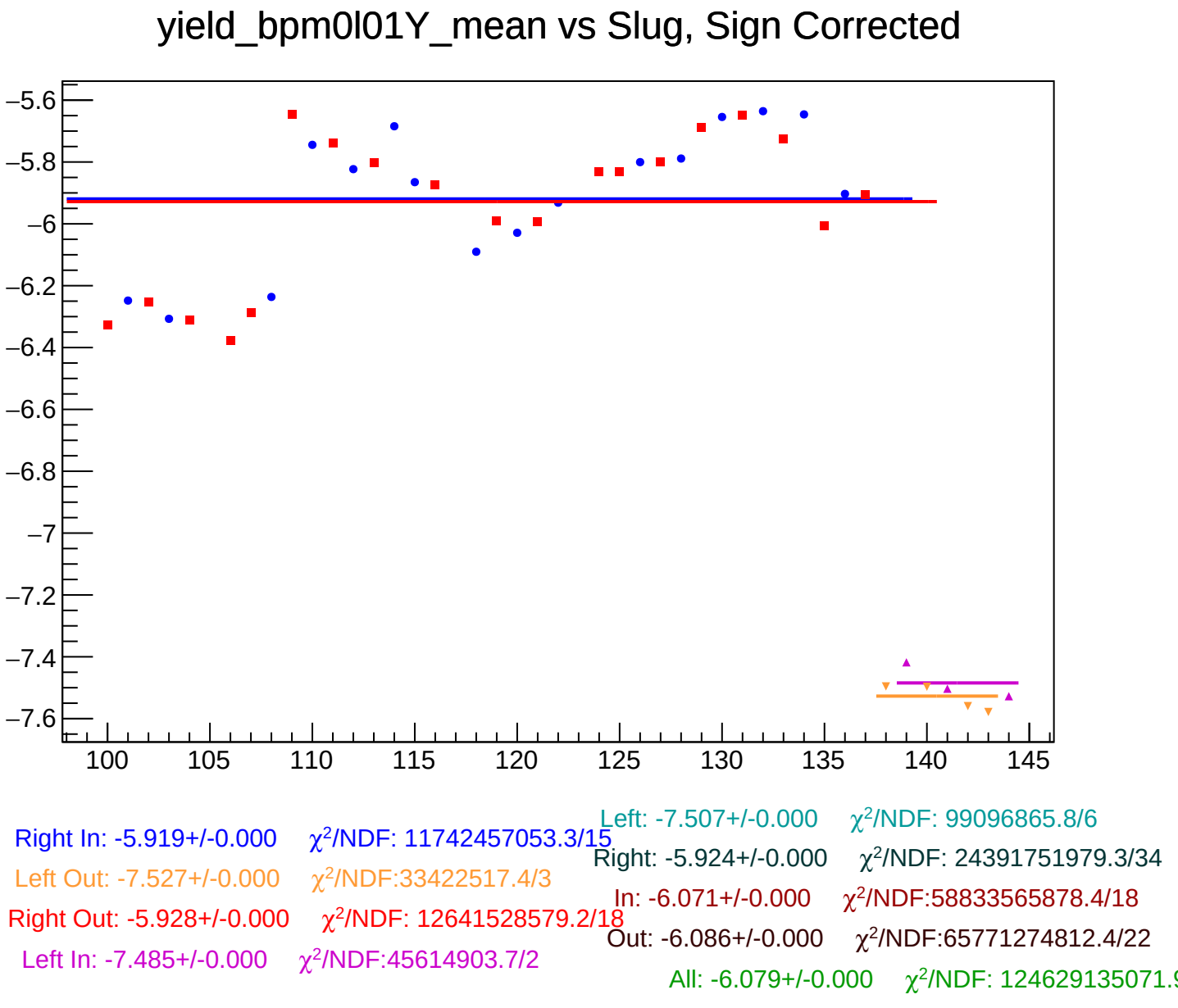
Left: 0.005+/-0.000 χ^2/NDF: 4761.7/6

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

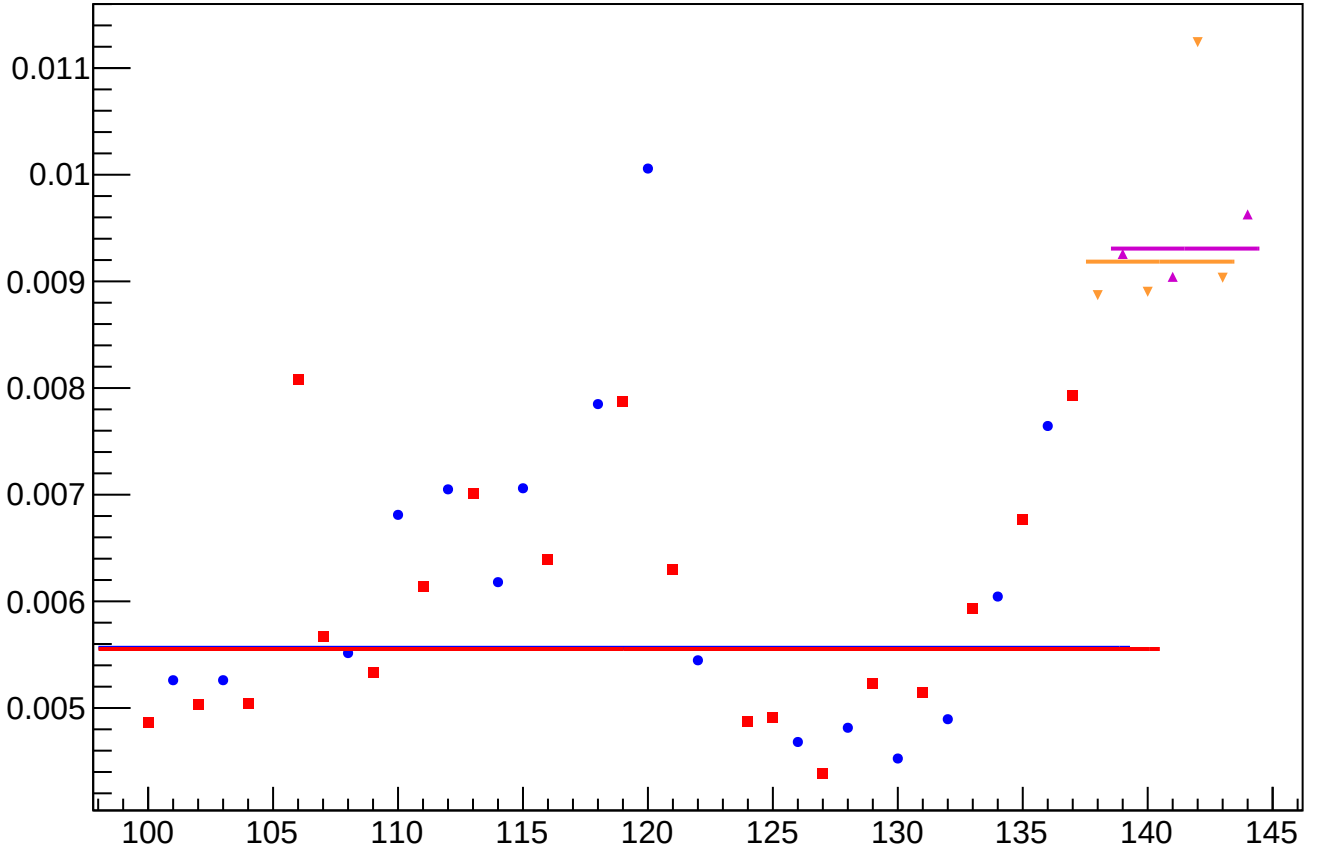
In: 0.006+/-0.000 χ^2/NDF:446733.4/18

Out: 0.006+/-0.000 χ^2/NDF:371274.4/22

All: 0.006+/-0.000 χ^2/NDF: 820073.0/41


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.6
−5.8
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
100
105
110
115
120
125
130
135
140
145
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -7.527+/-0.000 χ²/NDF:33422517.4/3
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -7.485+/-0.000 χ²/NDF:45614903.7/2
Left: -7.507+/-0.000 χ²/NDF: 99096865.8/6
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.071+/-0.000 χ²/NDF:58833565878.4/18
Out: -6.086+/-0.000 χ²/NDF:65771274812.4/22
All: -6.079+/-0.000 χ²/NDF: 124629135071.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:23925.3/3

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2541.9/2

Left: 0.009+/-0.000 χ^2/NDF: 26798.6/6

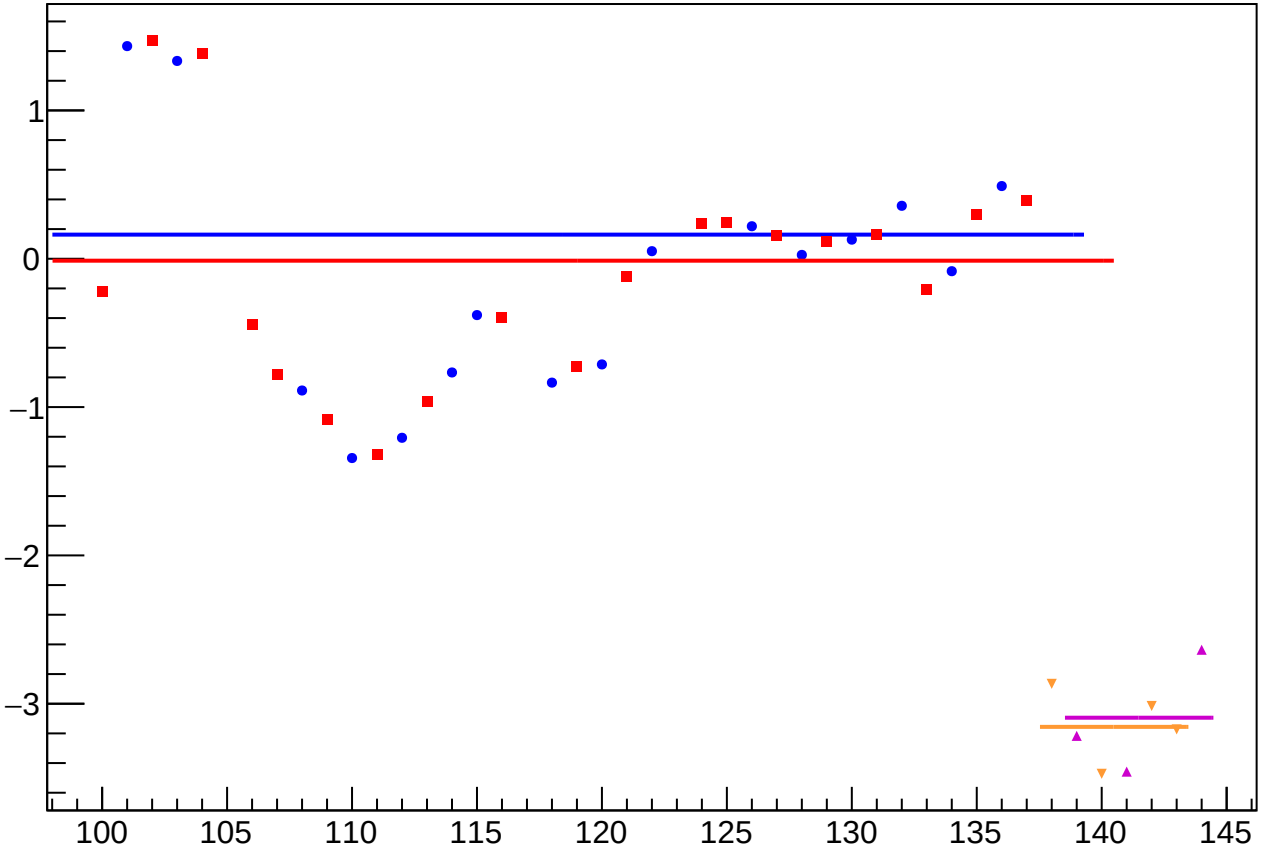
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1036259.0/18

Out: 0.006+/-0.000 χ^2/NDF:936311.0/22

All: 0.006+/-0.000 χ^2/NDF: 1972627.3/41

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.156+/-0.000 χ^2/NDF:468622992.1/3

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.094+/-0.000 χ^2/NDF:955833335.8/2

Left: -3.127+/-0.000 χ^2/NDF: 1440053810.6/6

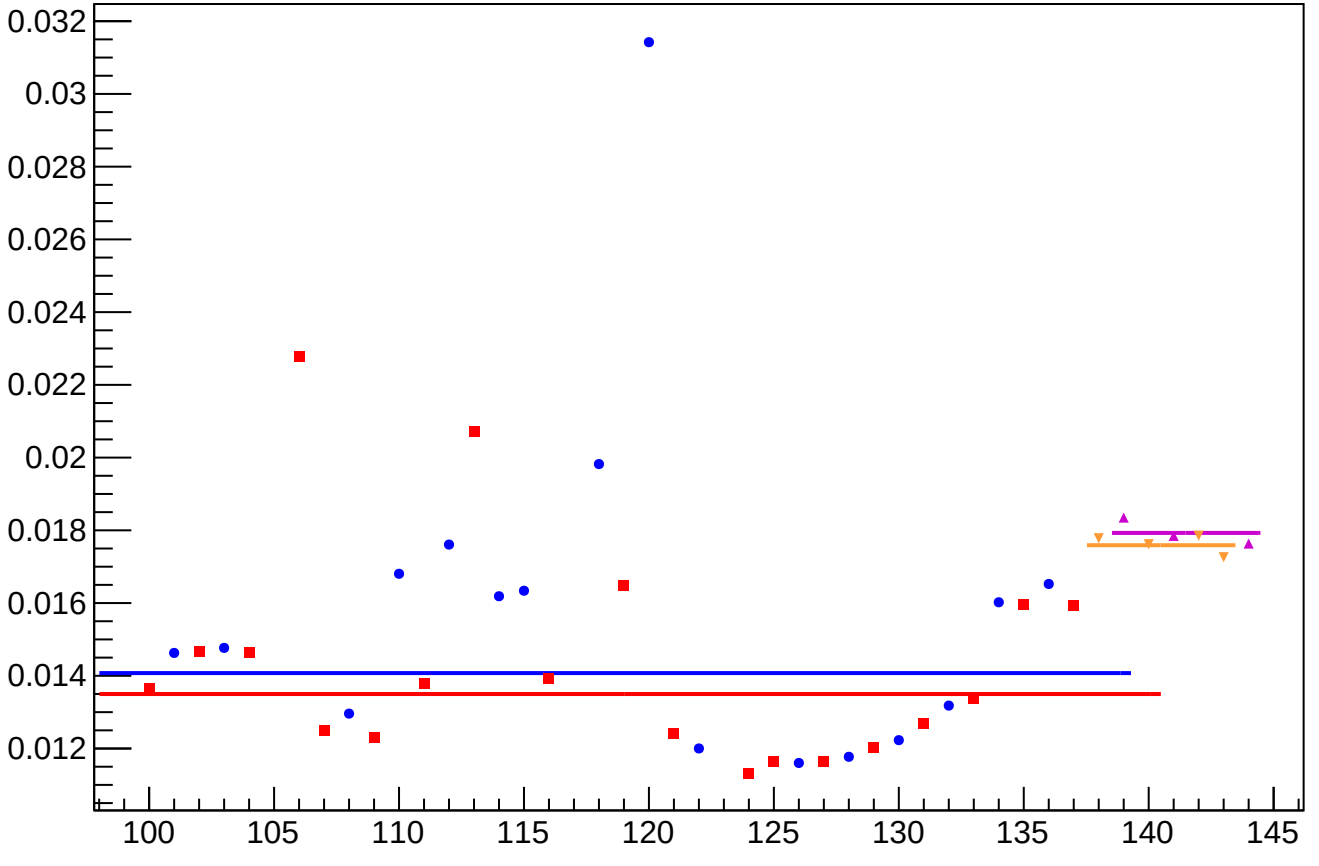
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.475+/-0.000 χ^2/NDF:85047020354.0/18

Out: -0.607+/-0.000 χ^2/NDF:92360156821.0/22

All: -0.546+/-0.000 χ^2/NDF: 177775063210.6

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:911.7/3

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:1353.7/2

Left: 0.018+/-0.000 χ^2/NDF: 3203.9/6

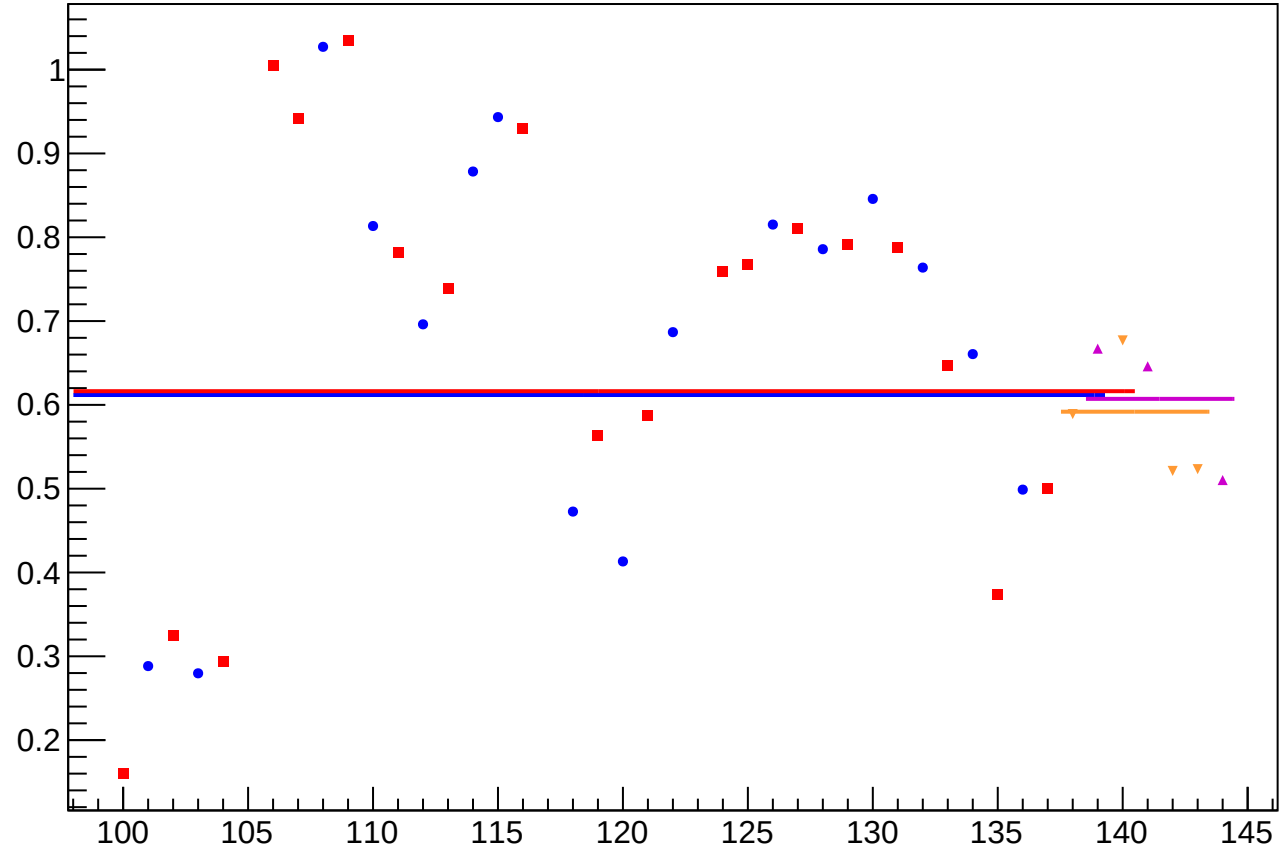
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:652096.8/18

Out: 0.014+/-0.000 χ^2/NDF:550996.7/22

All: 0.015+/-0.000 χ^2/NDF: 1216306.2/41

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.592+/-0.000 χ^2/NDF:154309593.1/3

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.607+/-0.000 χ^2/NDF:151871555.8/2

Left: 0.599+/-0.000 χ^2/NDF: 310205839.2/6

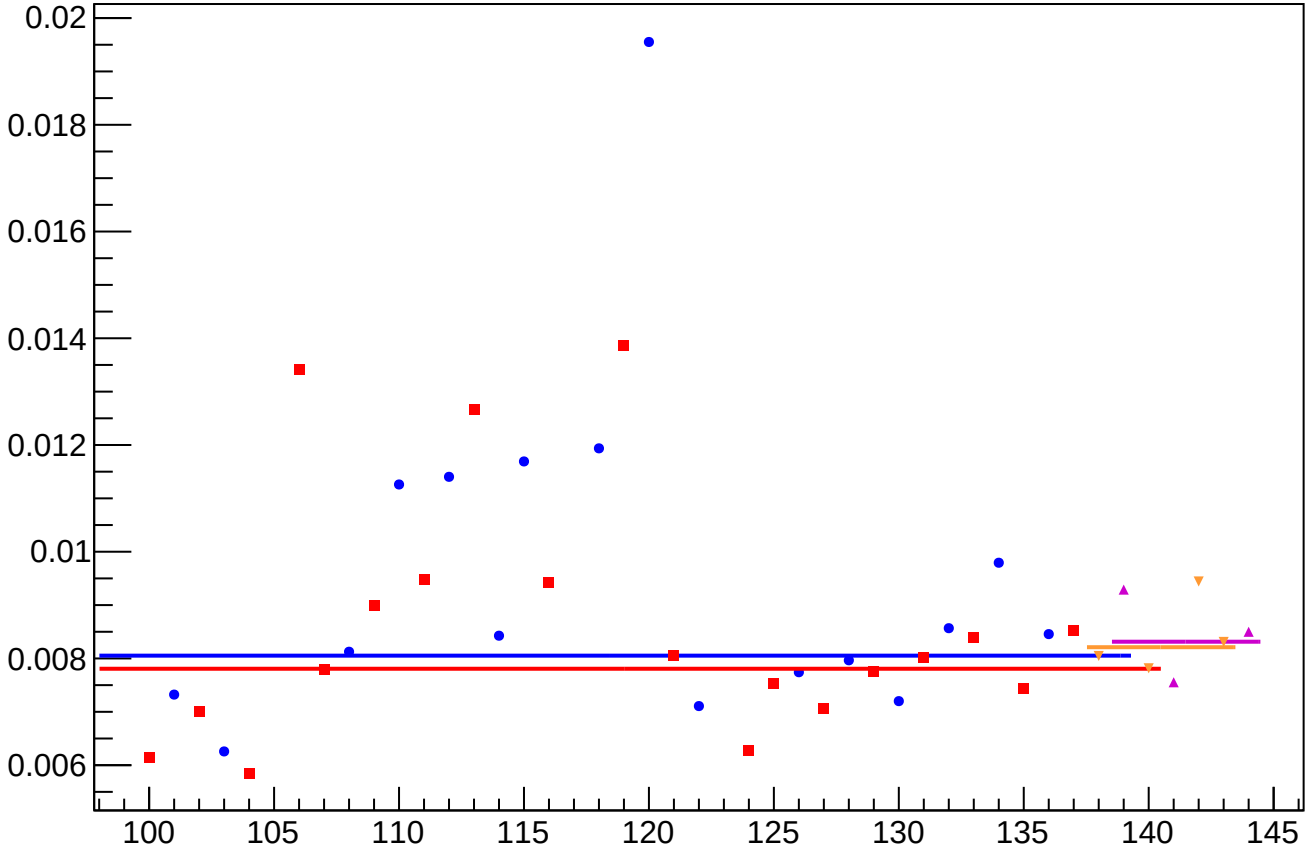
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.611+/-0.000 χ^2/NDF:5791402102.1/18

Out: 0.610+/-0.000 χ^2/NDF:6589860715.3/22

All: 0.610+/-0.000 χ^2/NDF: 12381277977.4/4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:17547.4/3

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:32731.9/2

Left: 0.008+/-0.000 χ^2/NDF: 50644.1/6

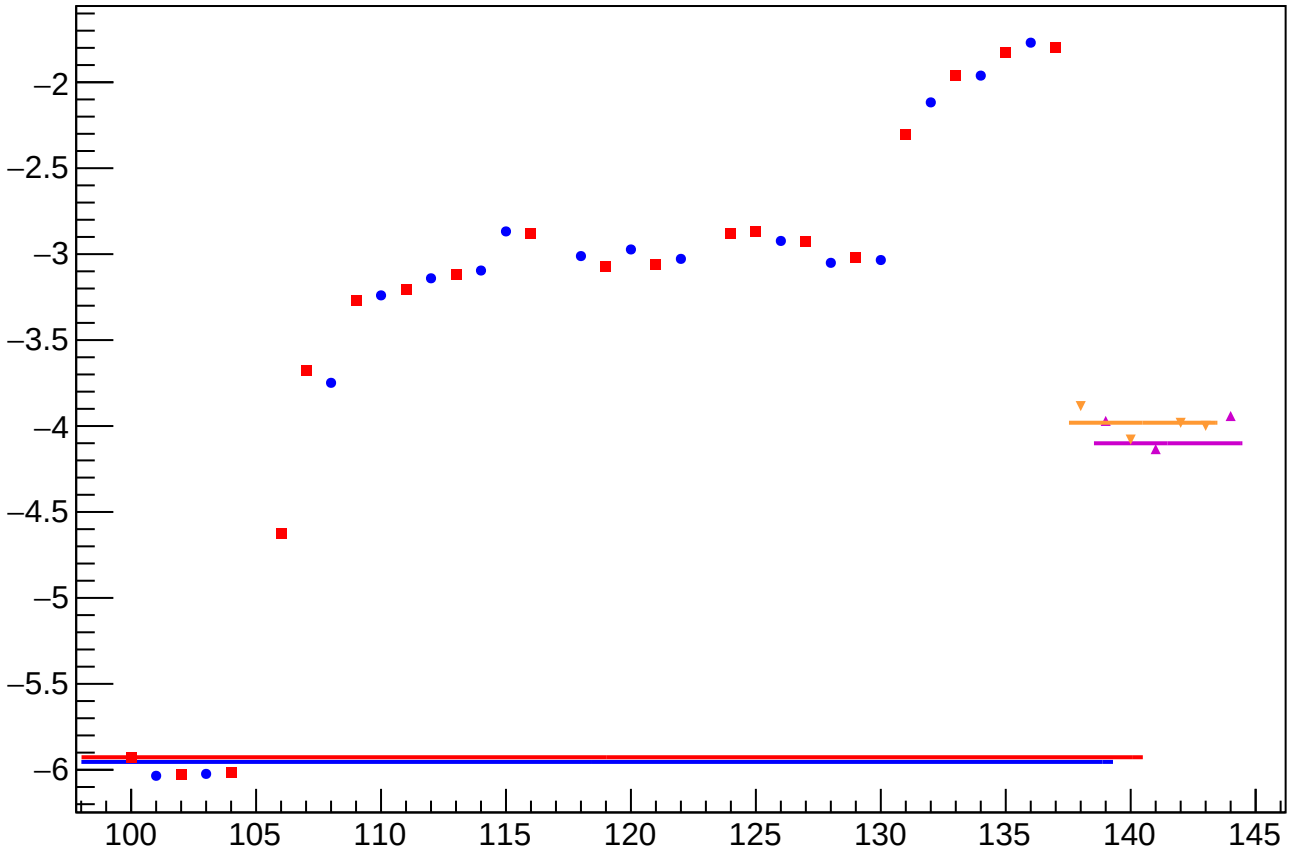
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:634367.1/18

Out: 0.008+/-0.000 χ^2/NDF:613423.6/22

All: 0.008+/-0.000 χ^2/NDF: 1253710.8/41

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.981+/-0.000 χ^2/NDF:2077857.3/3

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.100+/-0.000 χ^2/NDF:4142105.0/2

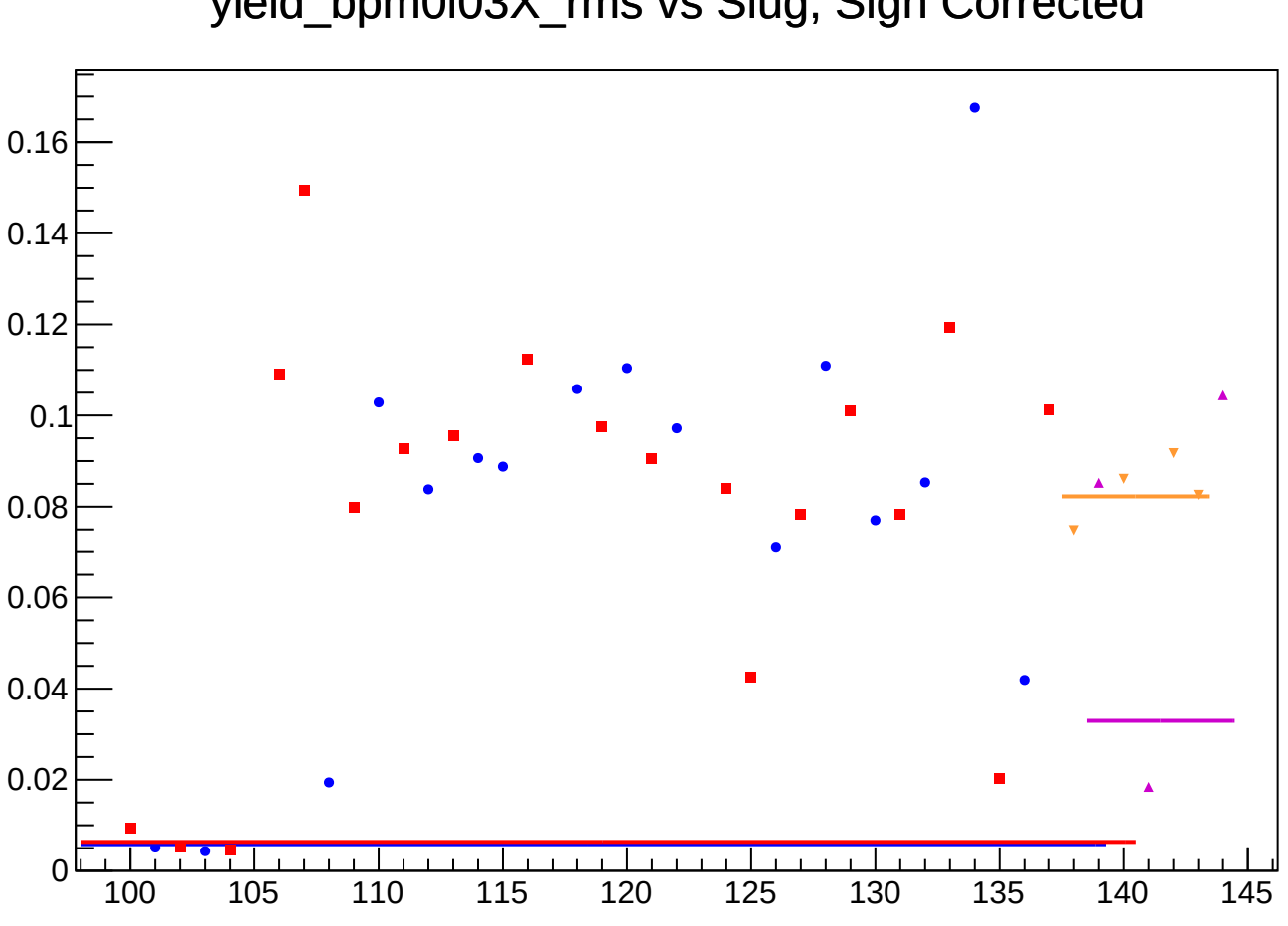
Left: -4.063+/-0.000 χ^2/NDF: 9965436.2/6

Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.924+/-0.000 χ^2/NDF:15952713731.3/18

Out: -5.910+/-0.000 χ^2/NDF:15351277627.8/22

All: -5.918+/-0.000 χ^2/NDF: 31309061645.3/



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.082+/-0.000 χ^2/NDF:25120.4/3

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.033+/-0.000 χ^2/NDF:1525587.8/2

Left: 0.048+/-0.000 χ^2/NDF: 2824561.8/6

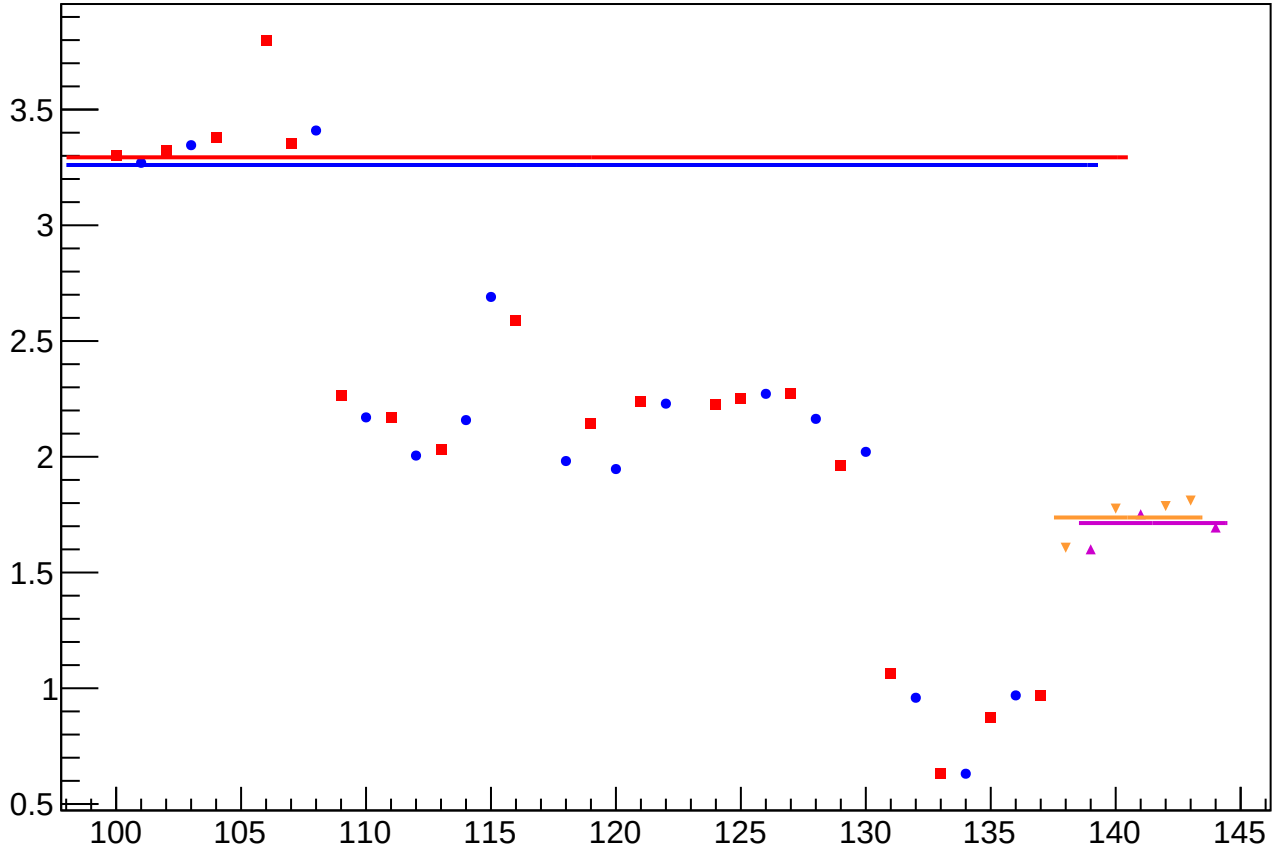
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:11443286.5/18

Out: 0.007+/-0.000 χ^2/NDF:13116906.0/22

All: 0.007+/-0.000 χ^2/NDF: 24585982.4/41

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.738+/-0.000 χ^2/NDF:2409910.0/3

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.714+/-0.000 χ^2/NDF:1330005.8/2

Left: 1.725+/-0.000 χ^2/NDF: 3842577.7/6

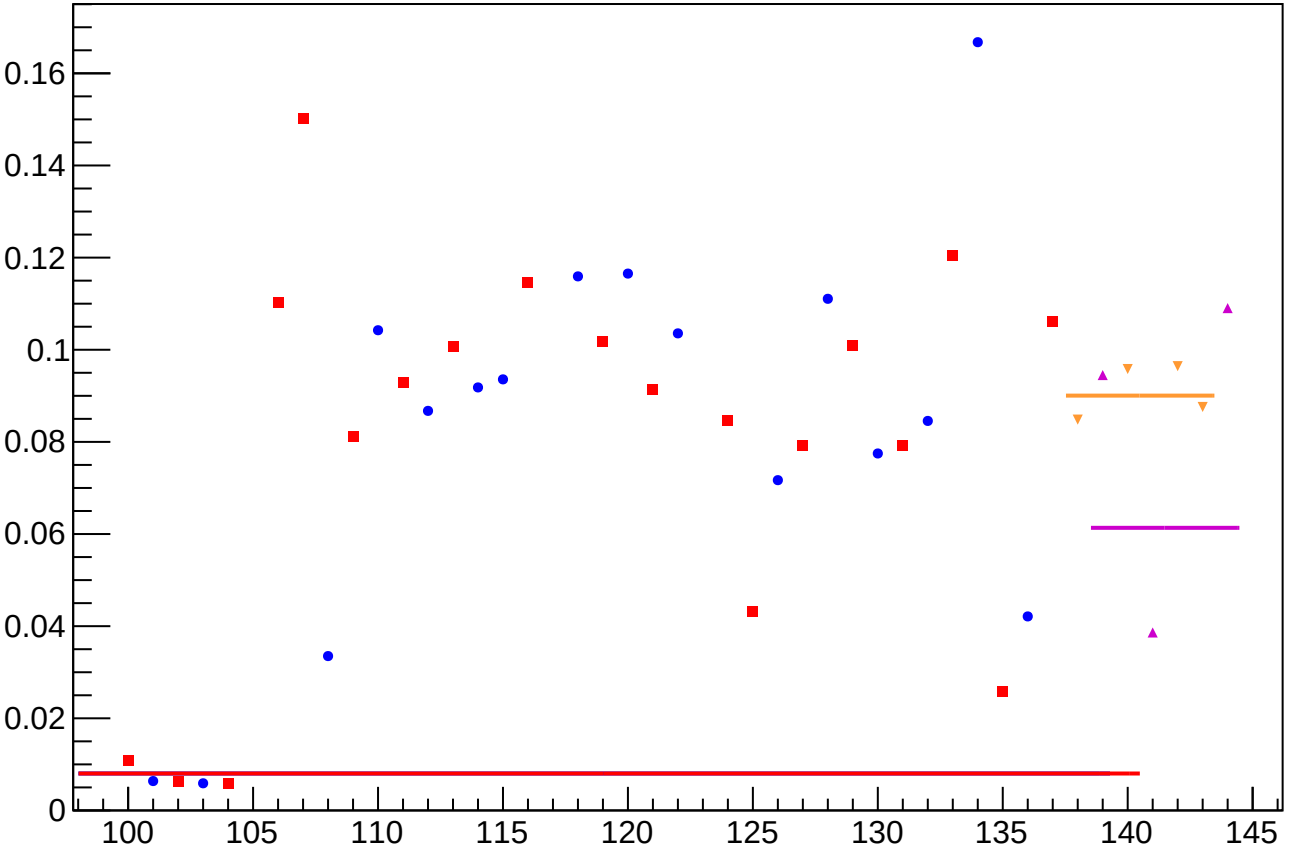
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.241+/-0.000 χ^2/NDF:3938552218.0/18

Out: 3.277+/-0.000 χ^2/NDF:4017231443.2/22

All: 3.258+/-0.000 χ^2/NDF: 7975046414.0/41

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.090+/-0.000 χ^2/NDF:15470.5/3

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.061+/-0.000 χ^2/NDF:732017.8/2

Left: 0.074+/-0.000 χ^2/NDF: 1038863.8/6

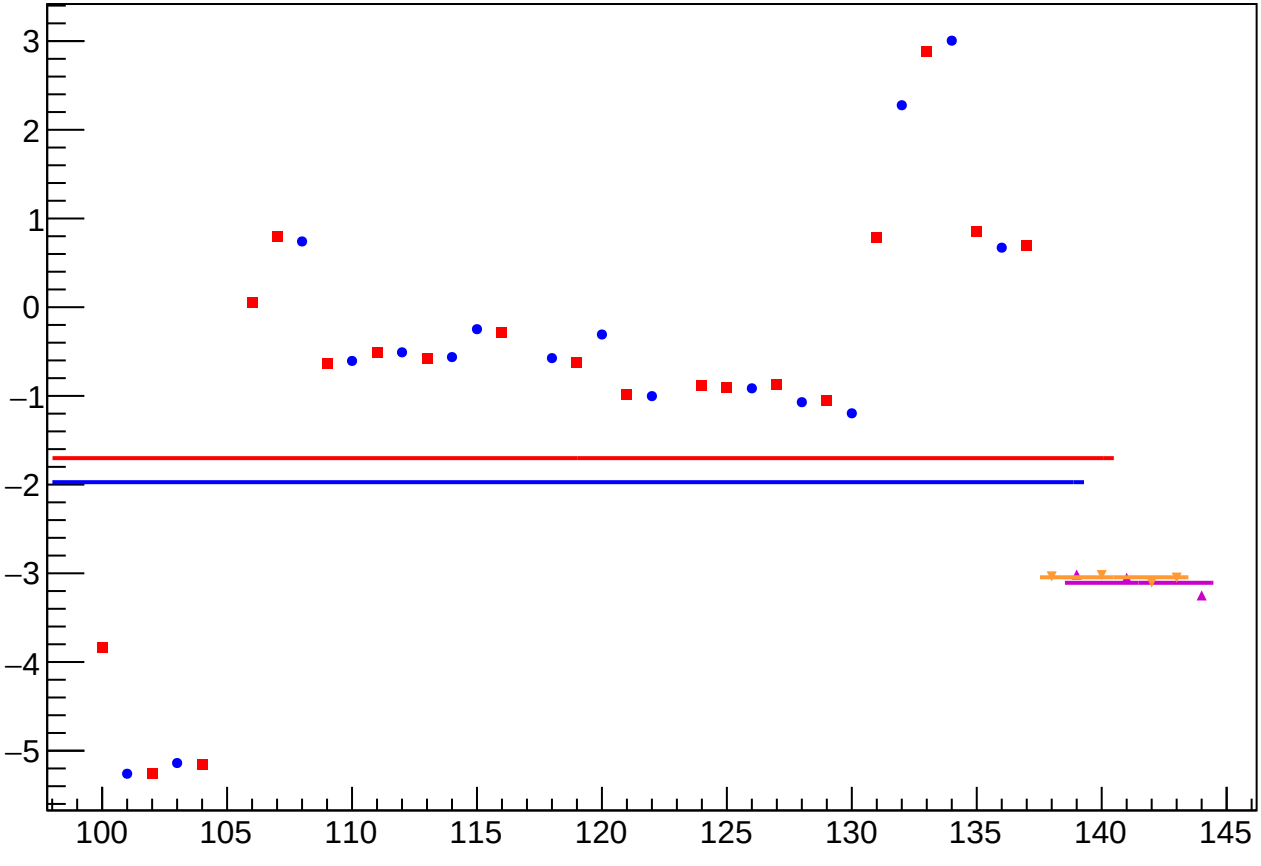
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:11352484.7/18

Out: 0.009+/-0.000 χ^2/NDF:12843729.0/22

All: 0.009+/-0.000 χ^2/NDF: 24197729.1/41

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.045+/-0.000 χ^2/NDF:35329367.0/3

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.107+/-0.000 χ^2/NDF:463528158.2/2

Left: -3.075+/-0.000 χ^2/NDF: 583859333.6/6

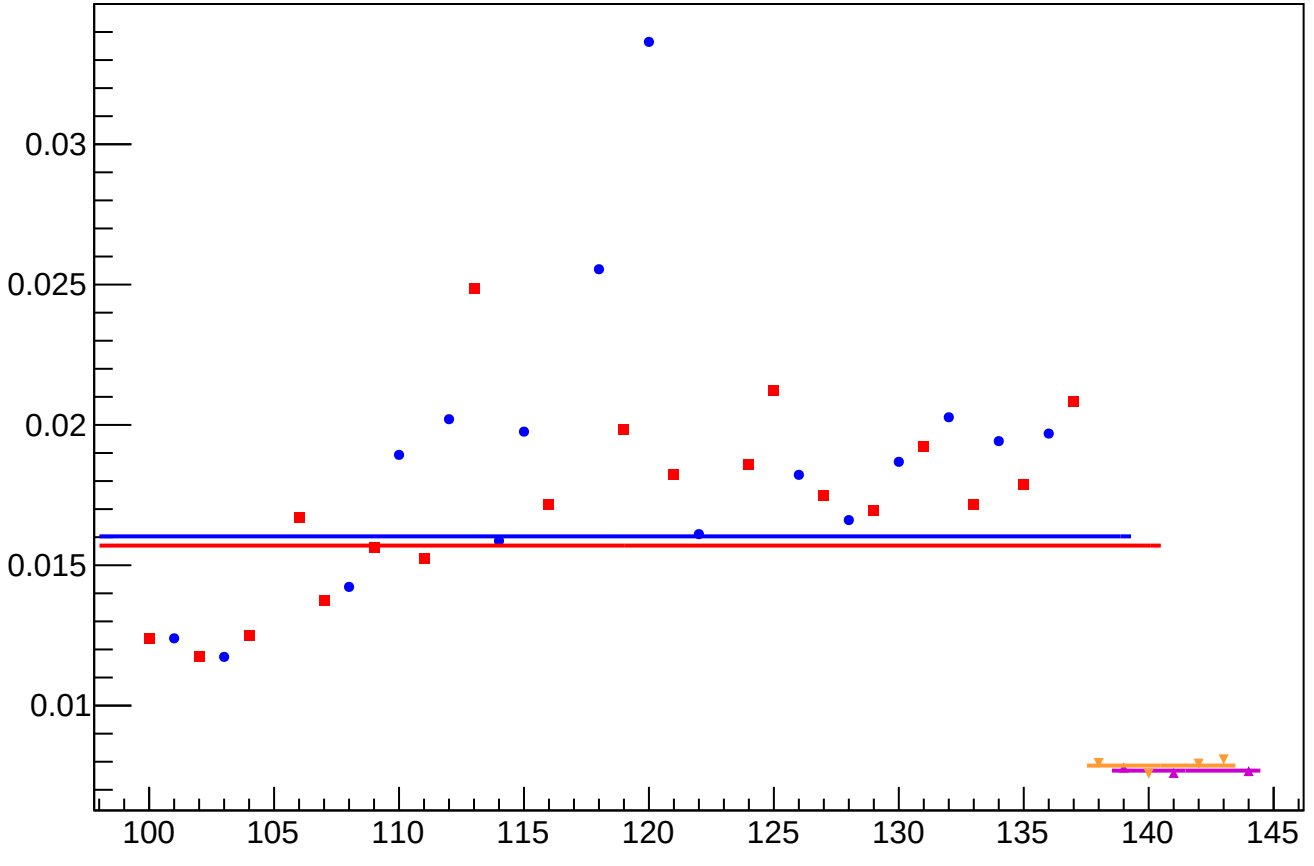
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.717+/-0.000 χ^2/NDF:181575769269.4/18

Out: -2.553+/-0.000 χ^2/NDF:197739930017.5/22

All: -2.633+/-0.000 χ^2/NDF: 380235734212.9

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:3771.0/3

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:525.0/2

Left: 0.008+/-0.000 χ^2/NDF: 5722.7/6

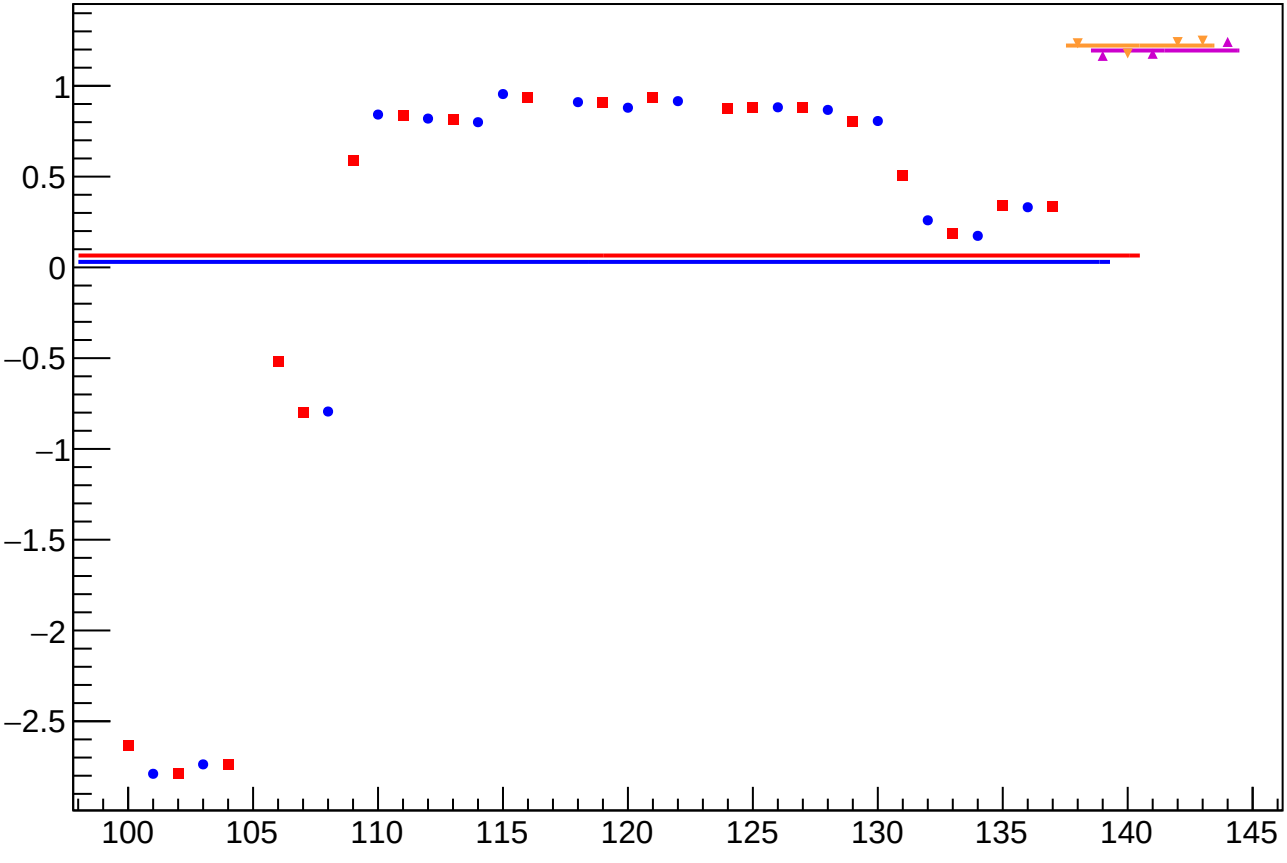
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.011+/-0.000 χ^2/NDF:2808861.4/18

Out: 0.011+/-0.000 χ^2/NDF:2520626.7/22

All: 0.011+/-0.000 χ^2/NDF: 5331758.0/41

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.222+/-0.000 χ^2/NDF:32581920.3/3

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.195+/-0.000 χ^2/NDF:38583132.7/2

Left: 1.209+/-0.000 χ^2/NDF: 84565506.2/6

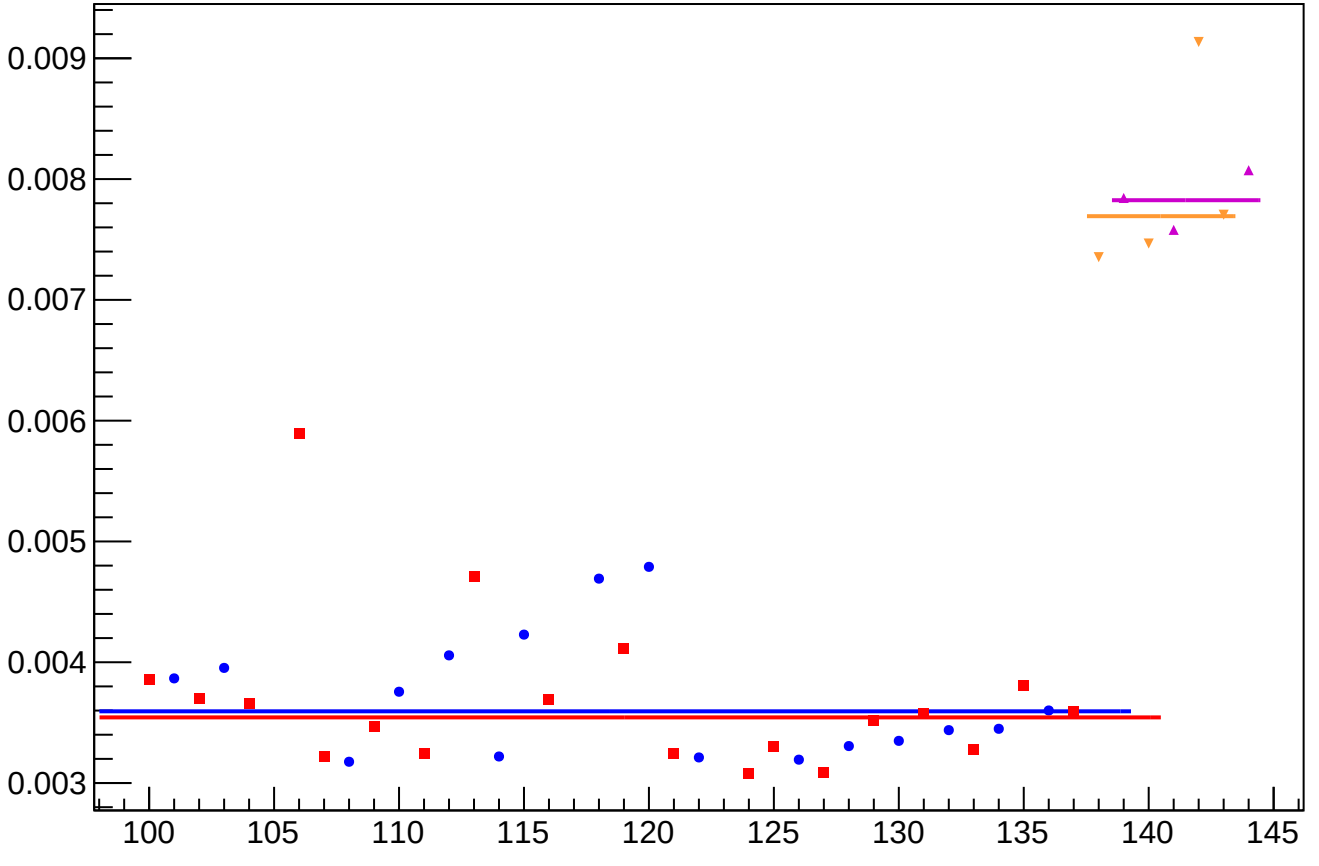
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.102+/-0.000 χ^2/NDF:895336154389.2/18

Out: 0.138+/-0.000 χ^2/NDF:982487856864.8/22

All: 0.121+/-0.000 χ^2/NDF: 1878191771288.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:21718.0/3

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2878.7/2

Left: 0.008+/-0.000 χ^2/NDF: 25222.8/6

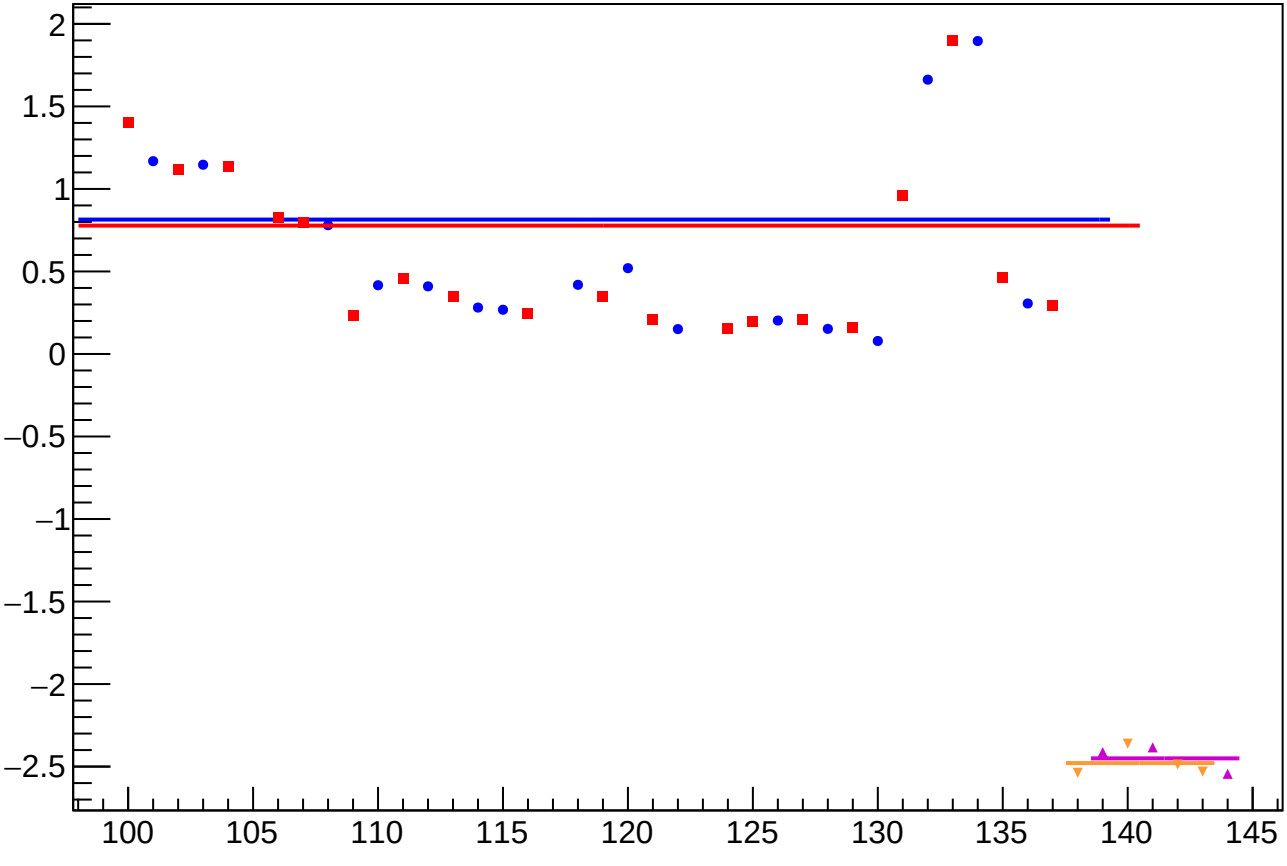
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:1335370.1/18

Out: 0.004+/-0.000 χ^2/NDF:1455580.0/22

All: 0.004+/-0.000 χ^2/NDF: 2792461.3/41

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.479+/-0.000 χ^2/NDF:255146117.7/3

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.450+/-0.000 χ^2/NDF:202885935.0/2

Left: -2.465+/-0.000 χ^2/NDF: 475119716.5/6

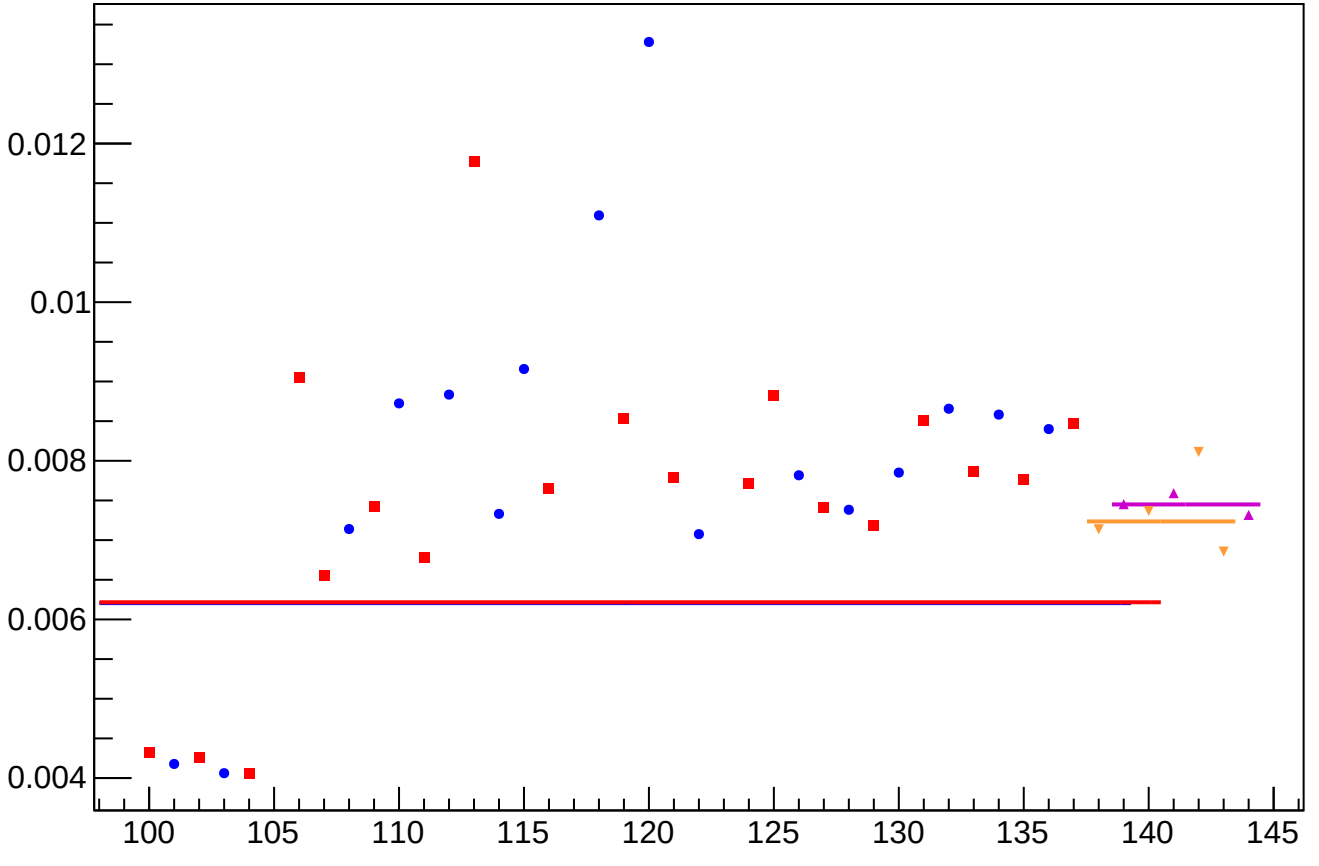
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.104+/-0.000 χ^2/NDF:370174195376.6/18

Out: 0.053+/-0.000 χ^2/NDF:401711183688.6/22

All: 0.078+/-0.000 χ^2/NDF: 772134785244.0

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.8/3

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:1035.4/2

Left: 0.007+/-0.000 χ^2/NDF: 16247.9/6

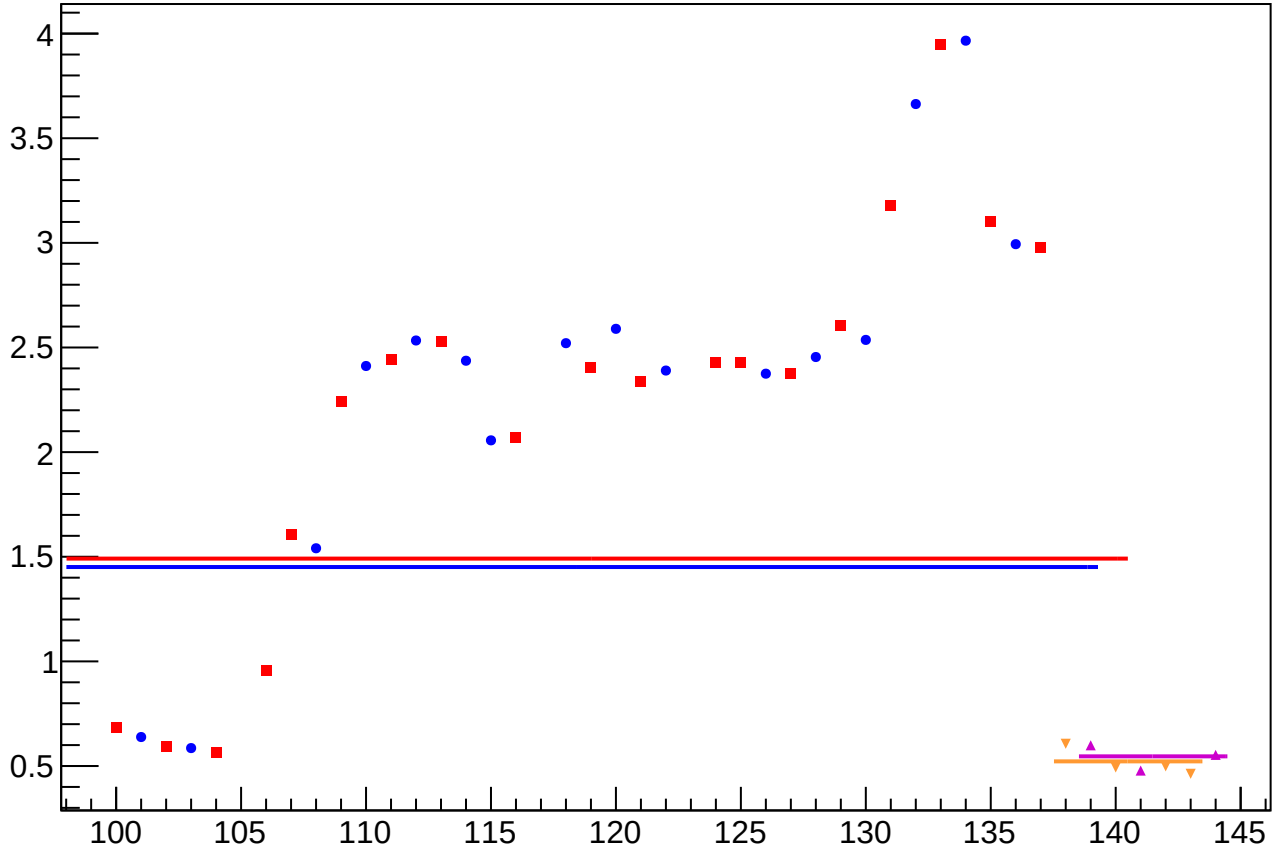
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1522045.9/18

Out: 0.006+/-0.000 χ^2/NDF:1246268.0/22

All: 0.006+/-0.000 χ^2/NDF: 2768528.3/41

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.522+/-0.000 χ^2/NDF:162032296.8/3

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.546+/-0.000 χ^2/NDF:101933943.8/2

Left: 0.534+/-0.000 χ^2/NDF: 276743016.7/6

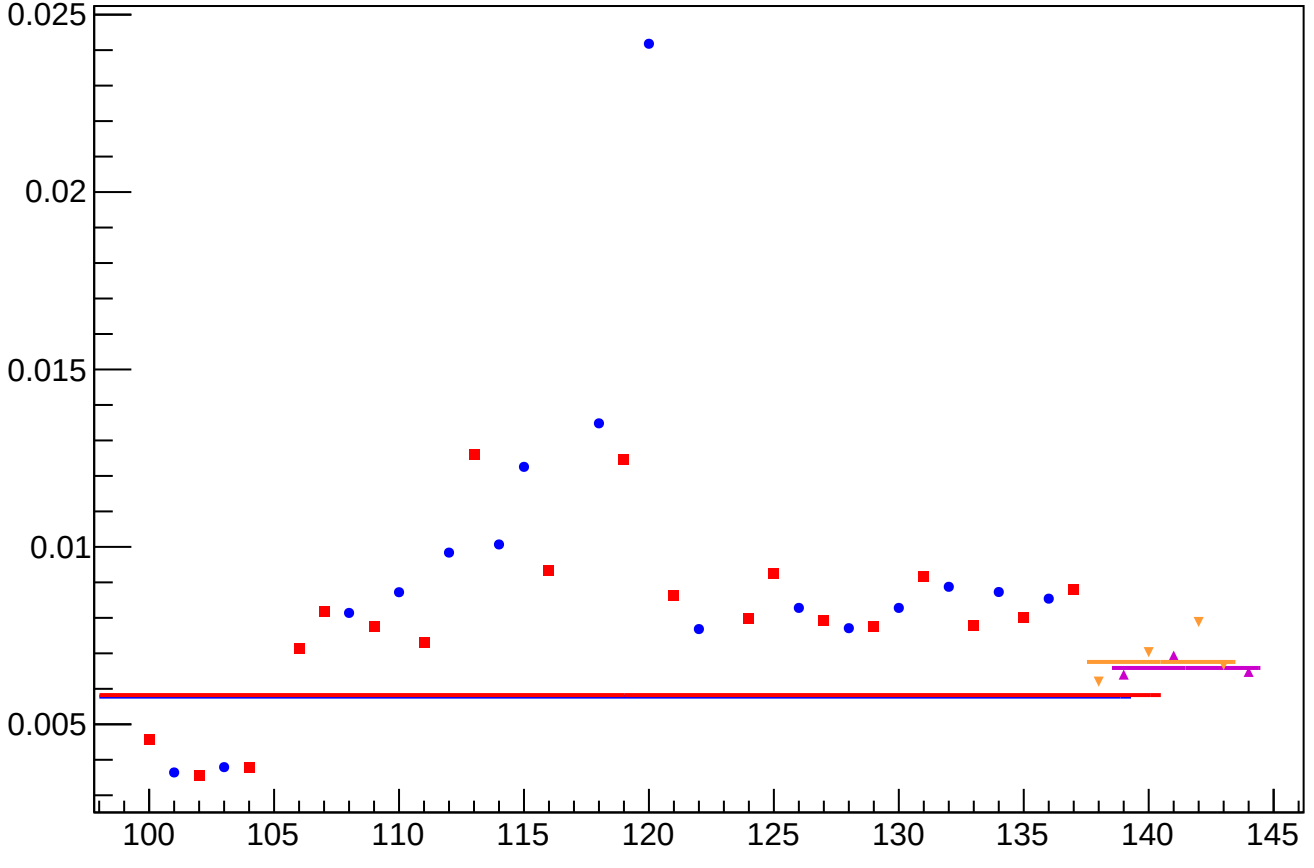
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.245+/-0.000 χ^2/NDF:197655542749.6/18

Out: 1.281+/-0.000 χ^2/NDF:219907739560.4/22

All: 1.264+/-0.000 χ^2/NDF: 417696547564.9

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:24524.7/3

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:4598.2/2

Left: 0.007+/-0.000 χ^2/NDF: 30399.0/6

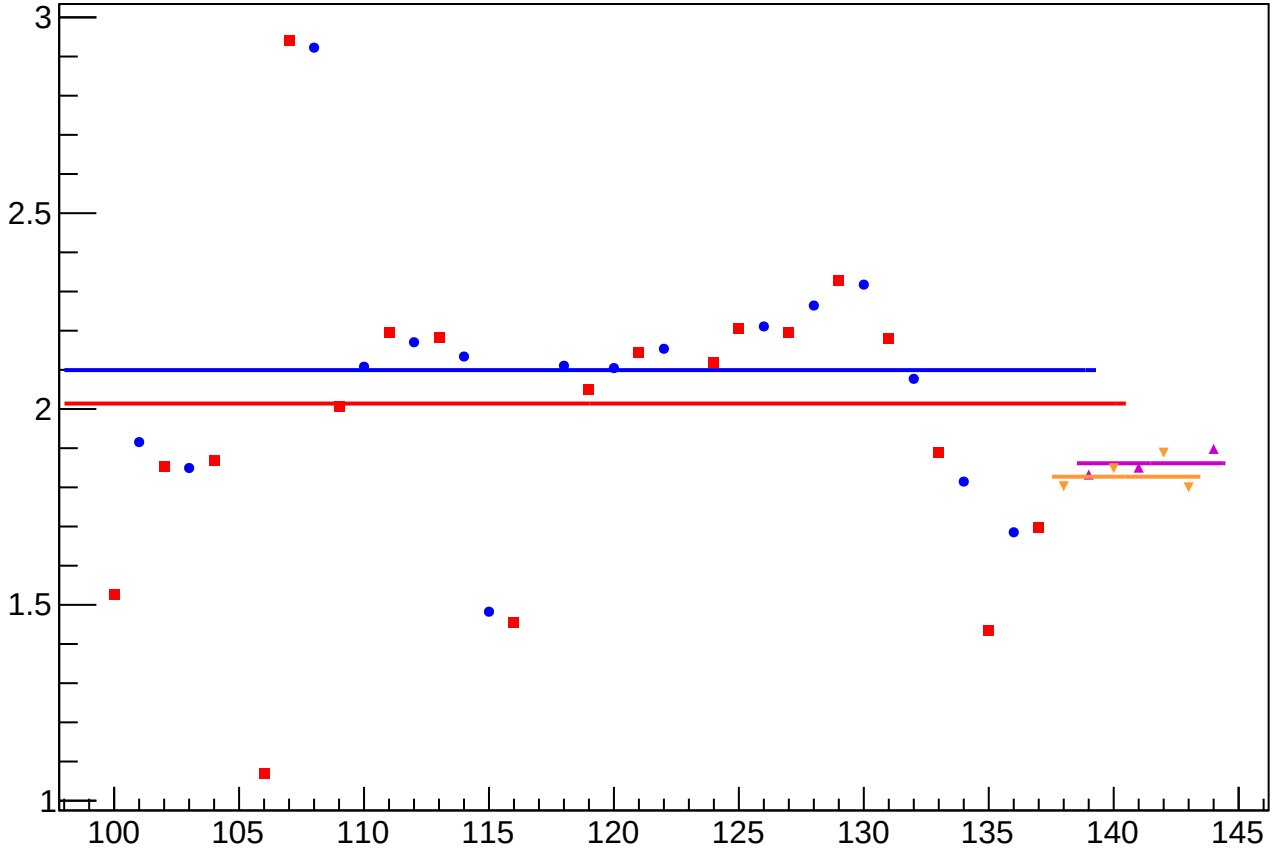
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2262962.9/18

Out: 0.006+/-0.000 χ^2/NDF:2041181.7/22

All: 0.006+/-0.000 χ^2/NDF: 4304902.1/41

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.827+/-0.000 χ^2/NDF:33304495.5/3

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 1.862+/-0.000 χ^2/NDF:23138858.1/2

Left: 1.844+/-0.000 χ^2/NDF: 74736738.3/6

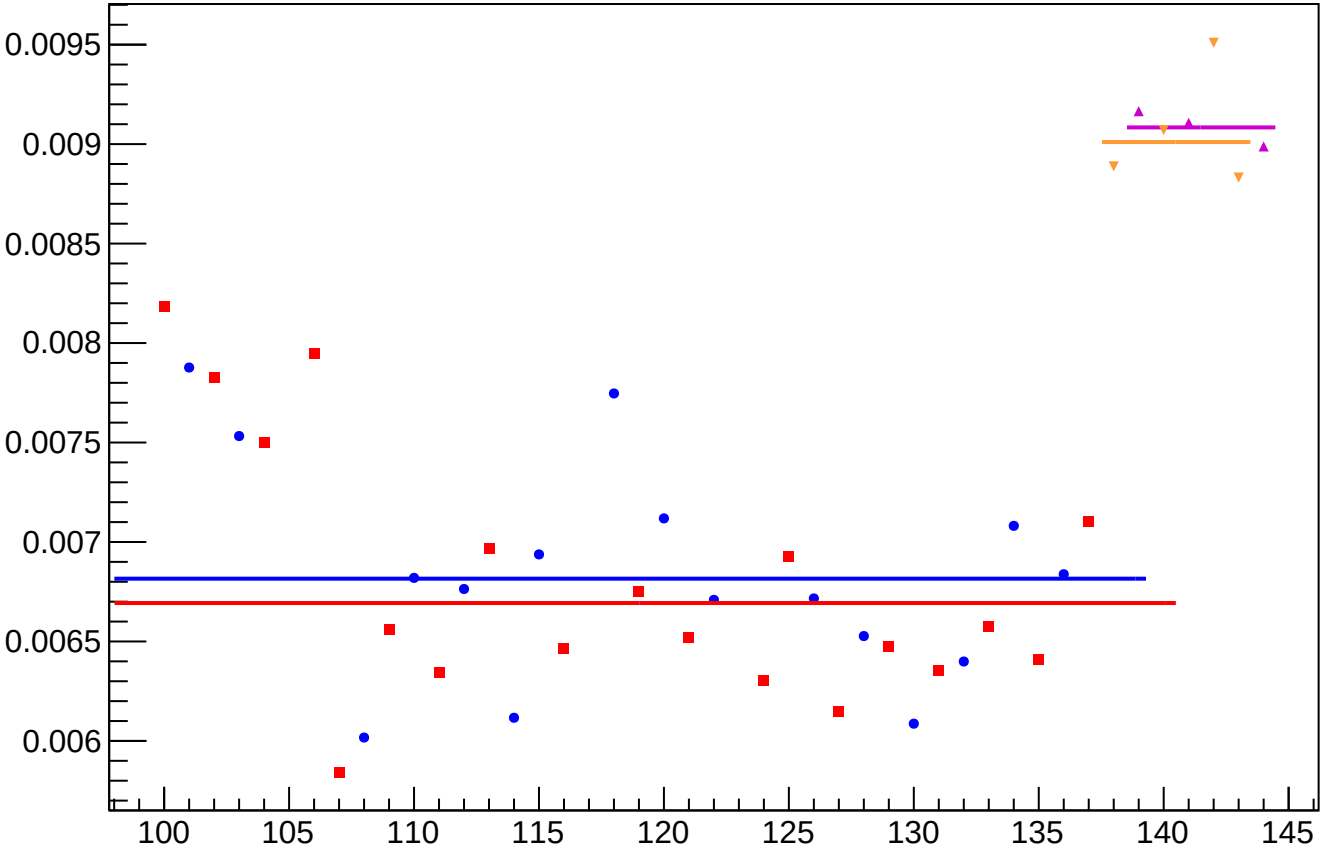
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.059+/-0.000 χ^2/NDF:15357423810.9/18

Out: 1.983+/-0.000 χ^2/NDF:20583807533.6/22

All: 2.019+/-0.000 χ^2/NDF: 36479326286.1/4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:3148.5/3

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:326.6/2

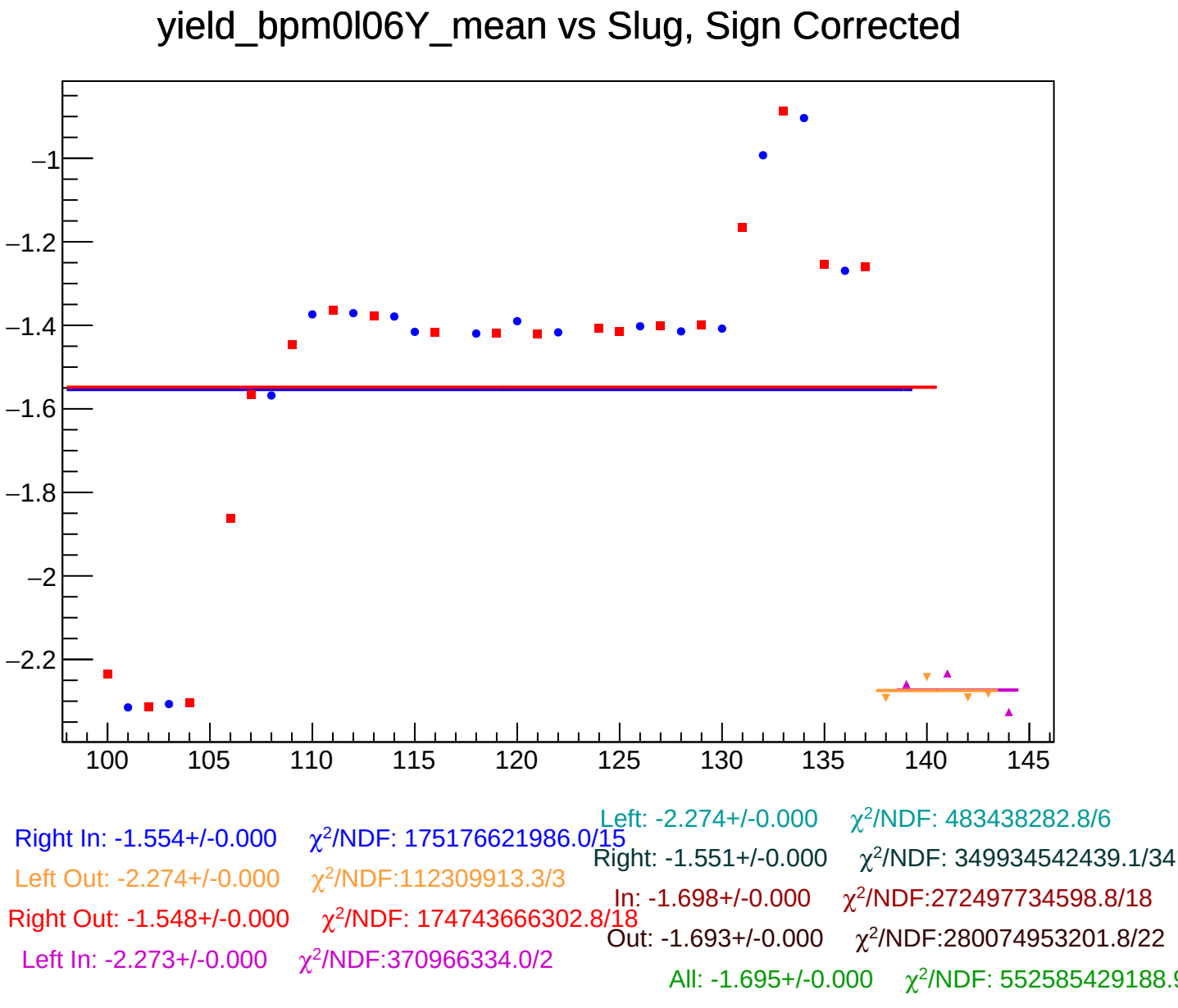
Left: 0.009+/-0.000 χ^2/NDF: 3642.9/6

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

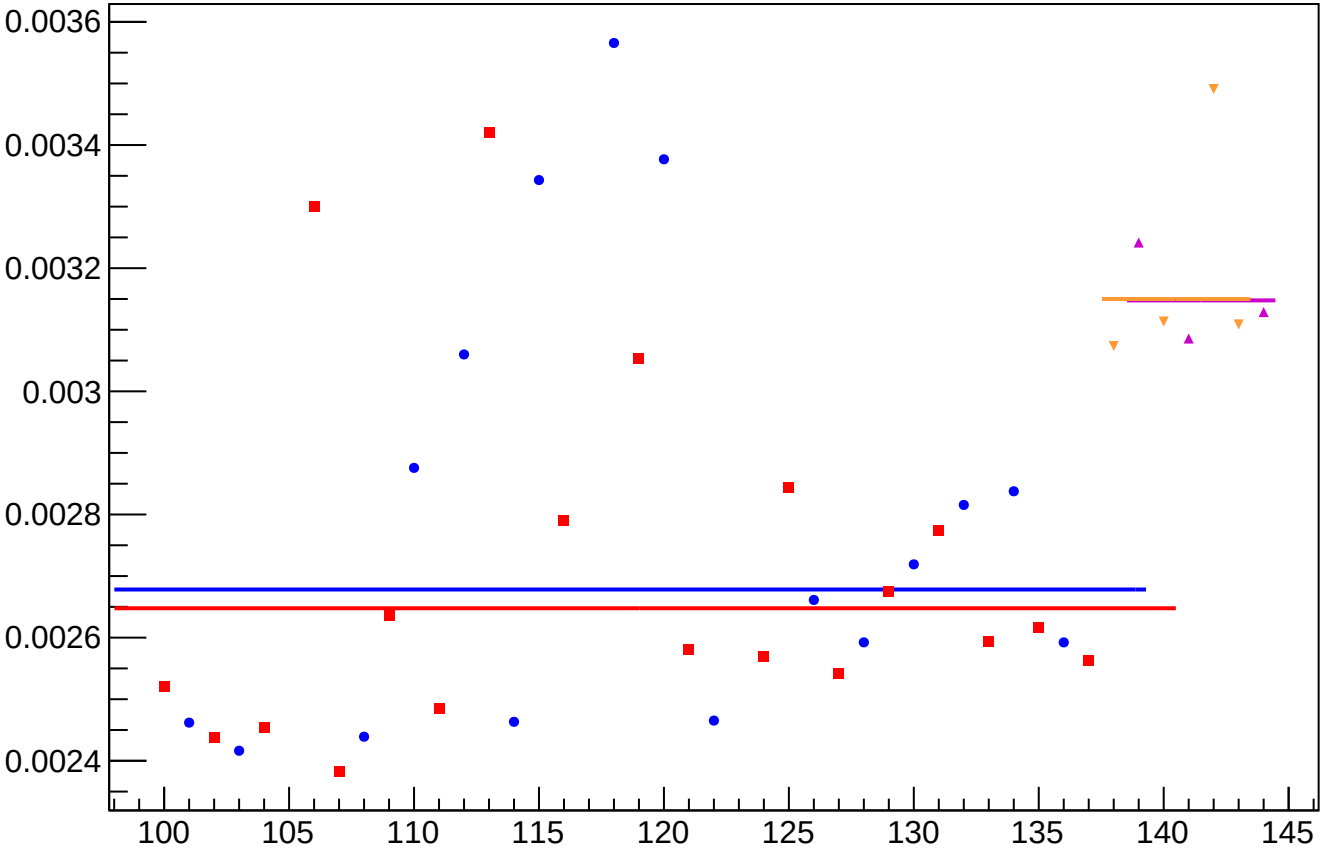
In: 0.007+/-0.000 χ^2/NDF:342916.0/18

Out: 0.007+/-0.000 χ^2/NDF:378546.8/22

All: 0.007+/-0.000 χ^2/NDF: 723971.7/41


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
105
110
115
120
125
130
135
140
145
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -2.274+/-0.000 χ²/NDF:112309913.3/3
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -2.273+/-0.000 χ²/NDF:370966334.0/2
Left: -2.274+/-0.000 χ²/NDF: 483438282.8/6
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.698+/-0.000 χ²/NDF:272497734598.8/18
Out: -1.693+/-0.000 χ²/NDF:280074953201.8/22
All: -1.695+/-0.000 χ²/NDF: 552585429188.9

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:8801.7/3

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:1932.2/2

Left: 0.003+/-0.000 χ^2/NDF: 10735.2/6

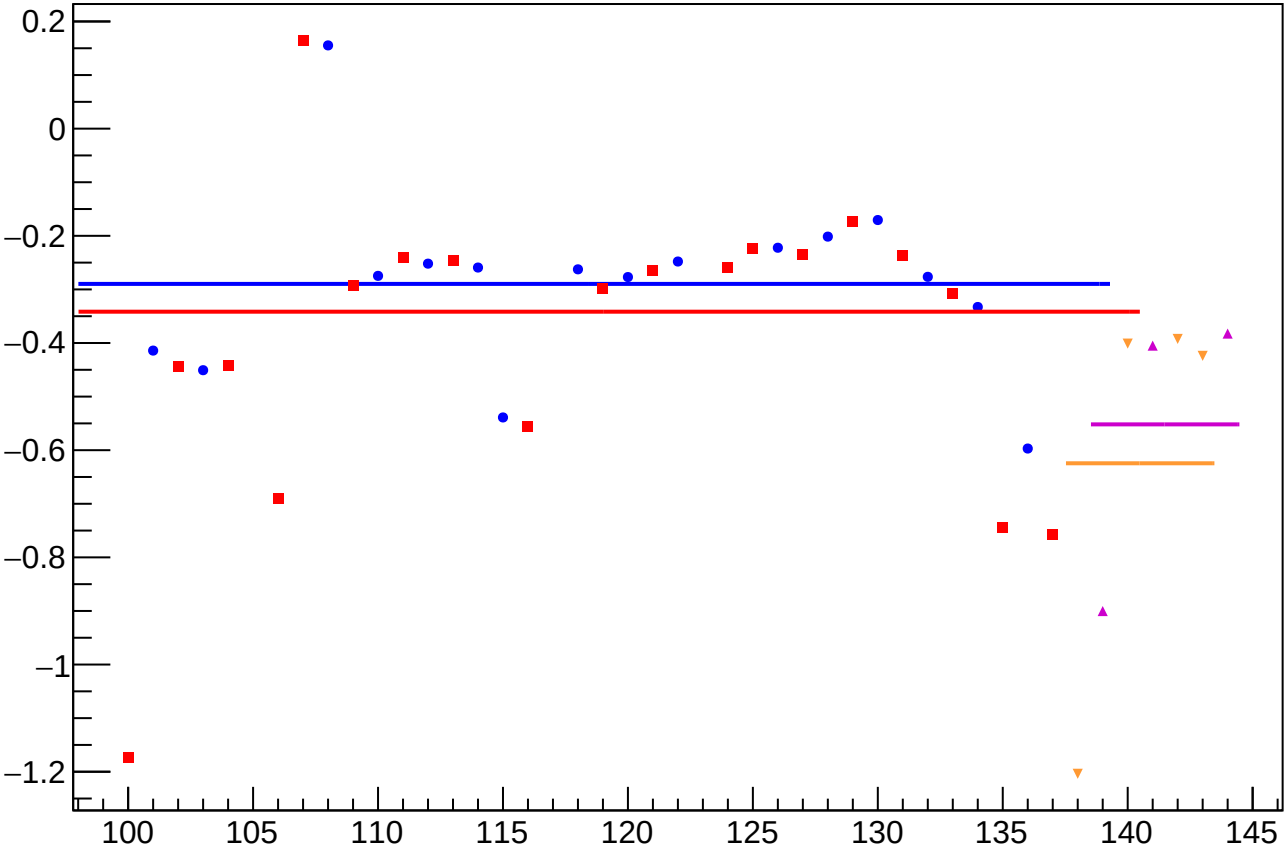
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:242350.6/18

Out: 0.003+/-0.000 χ^2/NDF:225620.8/22

All: 0.003+/-0.000 χ^2/NDF: 468682.8/41

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.624+/-0.000 χ^2/NDF:1454921790.9/3

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.552+/-0.000 χ^2/NDF:620354515.4/2

Left: -0.589+/-0.000 χ^2/NDF: 2105388659.8/6

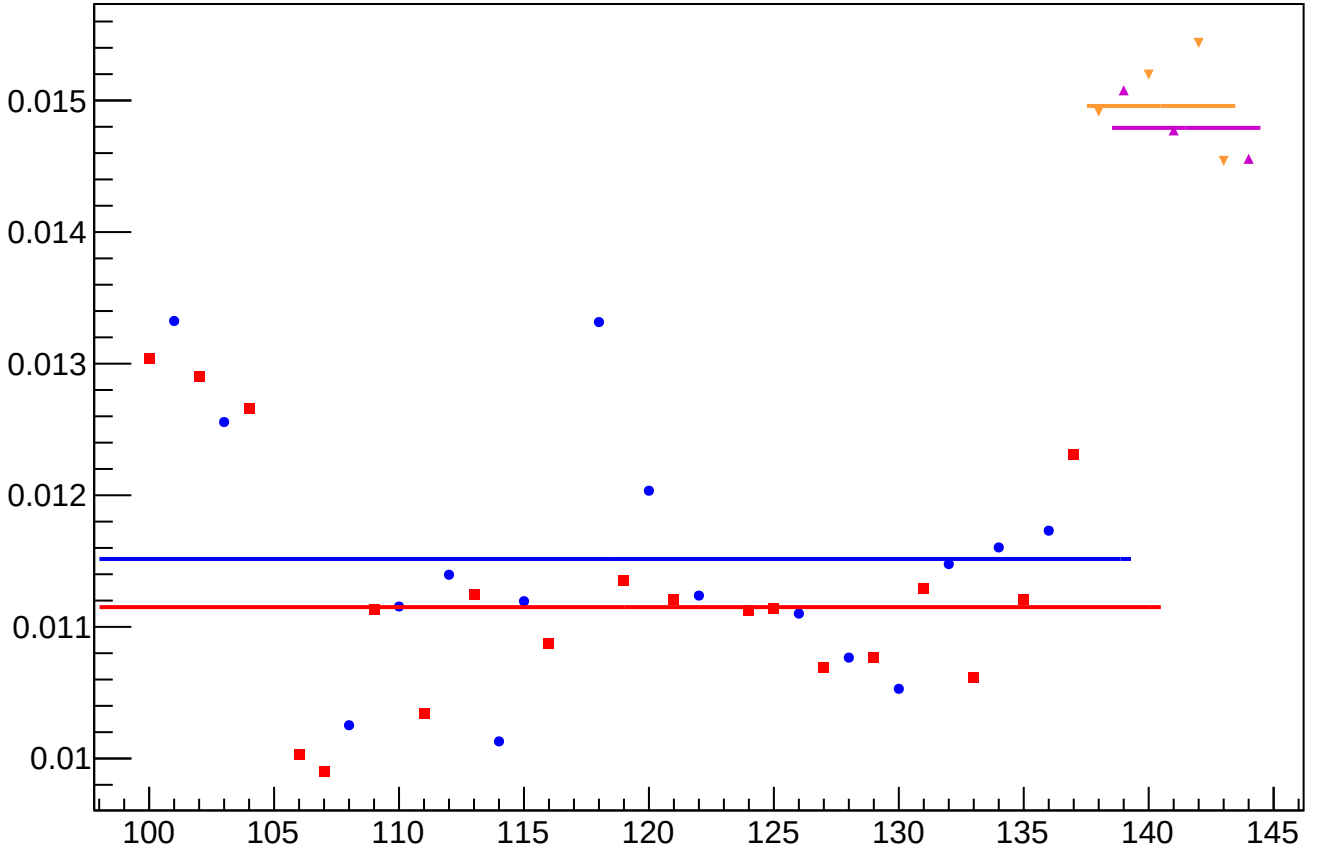
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.336+/-0.000 χ^2/NDF:2899803861.1/18

Out: -0.389+/-0.000 χ^2/NDF:4840250190.8/22

All: -0.364+/-0.000 χ^2/NDF: 7831484295.1/4

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF:2389.7/3

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.015+/-0.000 χ^2/NDF:1011.4/2

Left: 0.015+/-0.000 χ^2/NDF: 3718.6/6

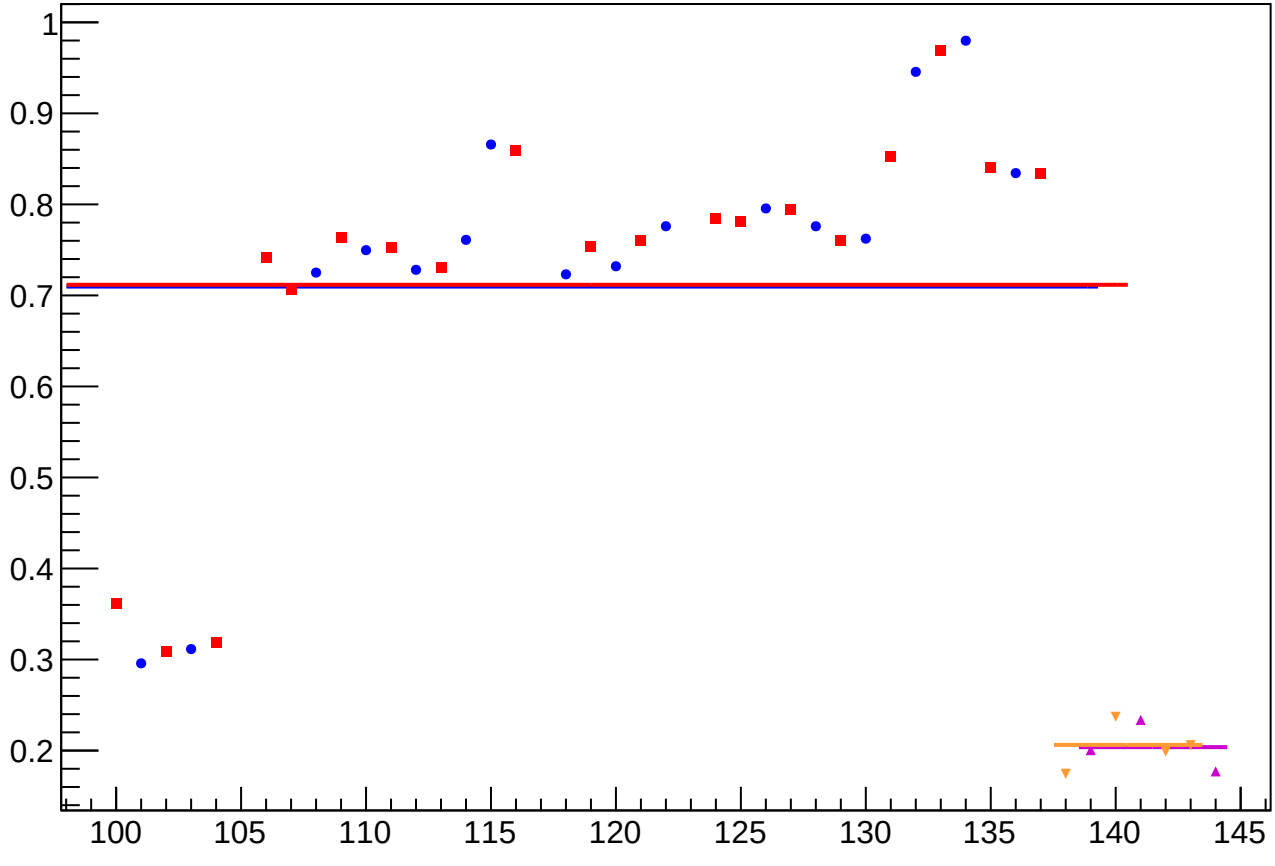
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:283401.1/18

Out: 0.012+/-0.000 χ^2/NDF:354269.9/22

All: 0.012+/-0.000 χ^2/NDF: 644189.8/41

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.206+/-0.000 χ^2/NDF:385389051.7/3

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.204+/-0.000 χ^2/NDF:340783372.7/2

Left: 0.205+/-0.000 χ^2/NDF: 728149752.3/6

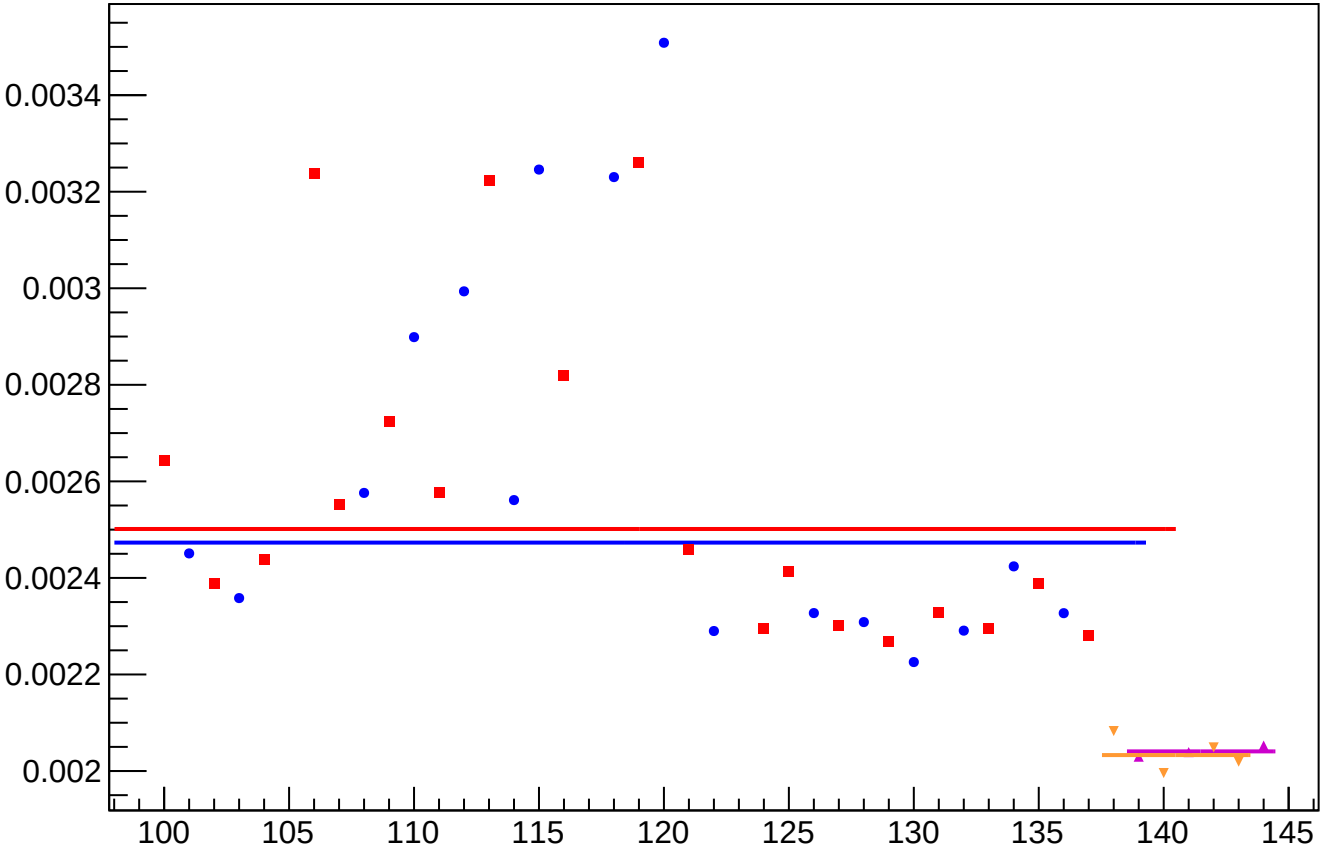
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.528+/-0.000 χ^2/NDF:151957908656.7/18

Out: 0.519+/-0.000 χ^2/NDF:153843179833.4/22

All: 0.523+/-0.000 χ^2/NDF: 305862289536.7

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:1588.3/3

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:111.6/2

Left: 0.002+/-0.000 χ^2/NDF: 1738.2/6

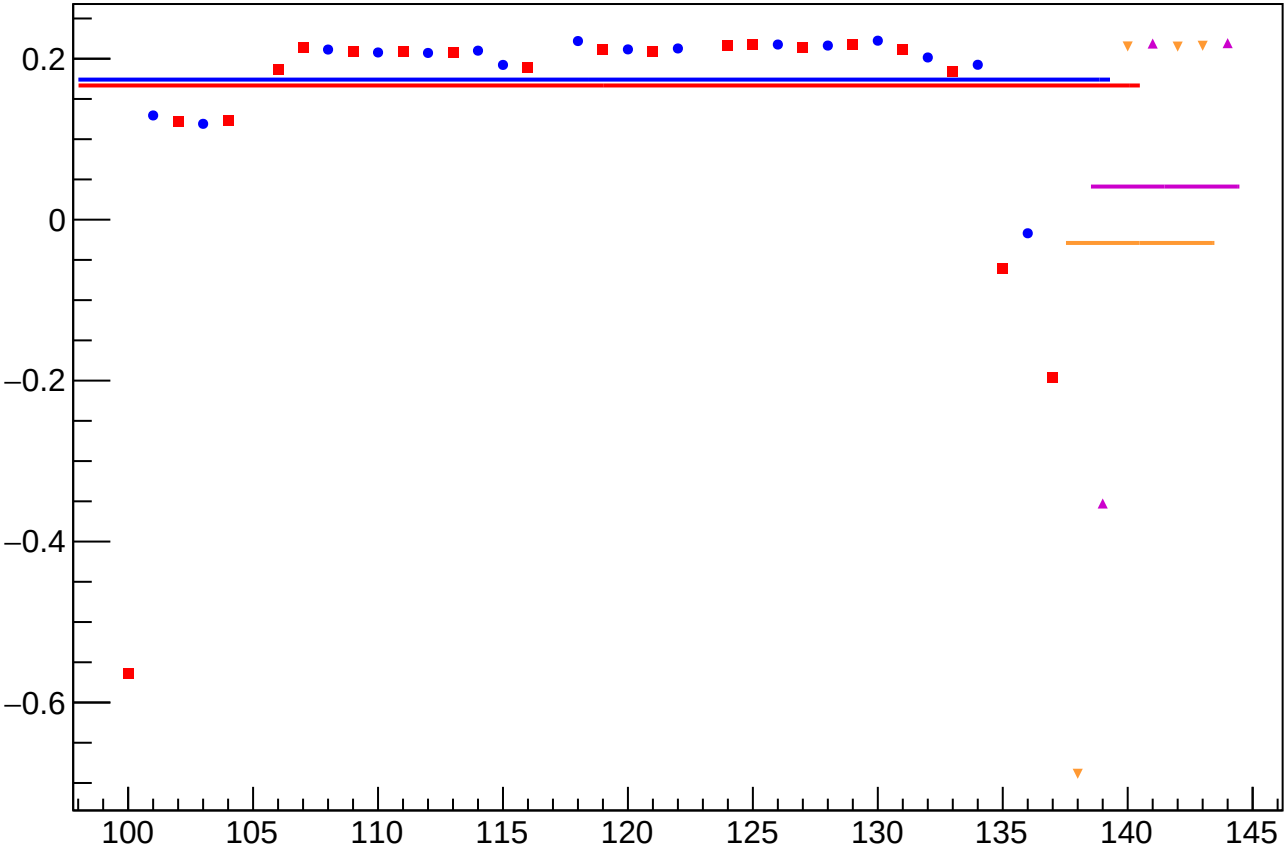
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:358211.4/18

Out: 0.002+/-0.000 χ^2/NDF:366654.6/22

All: 0.002+/-0.000 χ^2/NDF: 724922.7/41

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.029+/-0.000 χ^2/NDF:2321113585.4/3

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.041+/-0.000 χ^2/NDF:976308144.1/2

Left: 0.006+/-0.000 χ^2/NDF: 3332188139.8/6

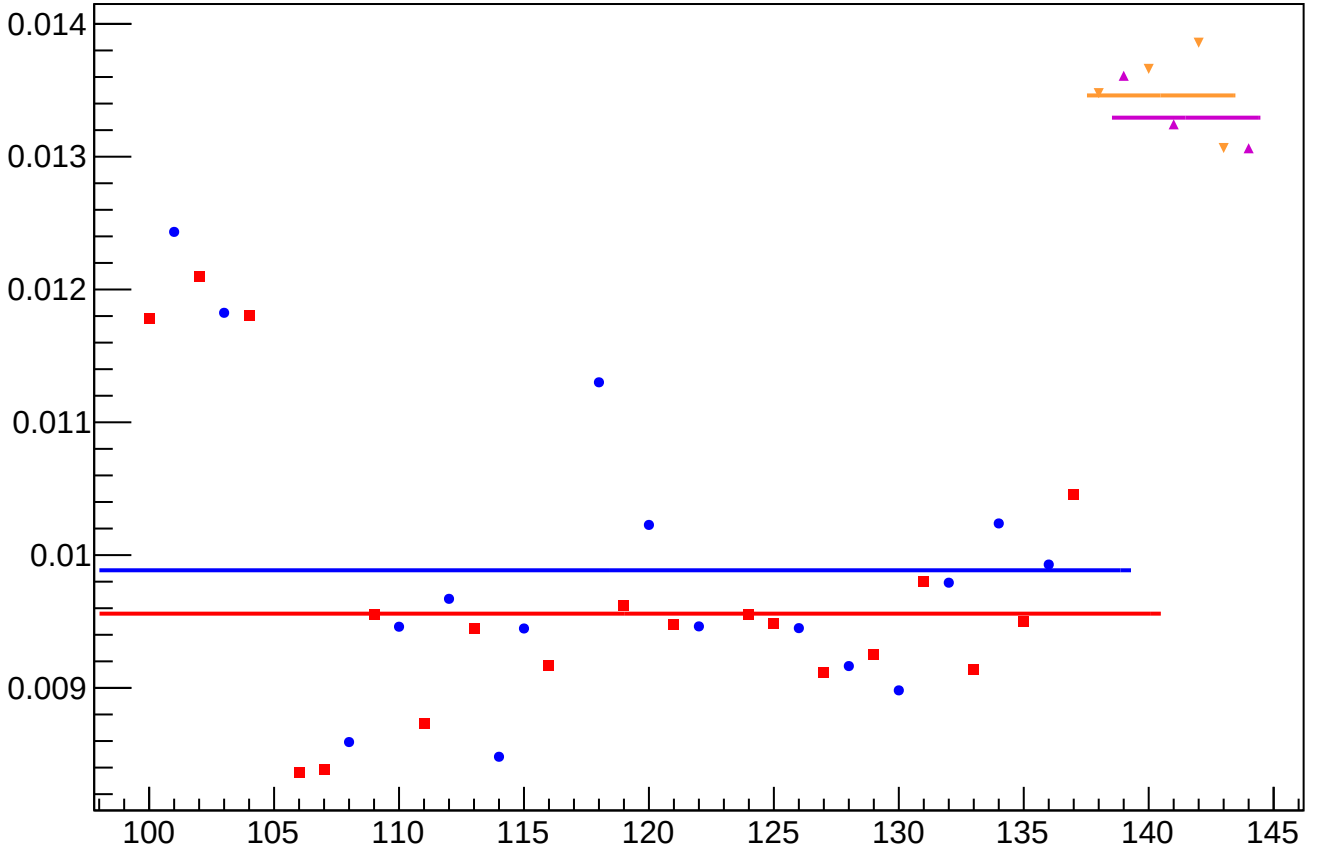
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.152+/-0.000 χ^2/NDF:1583583926.4/18

Out: 0.137+/-0.000 χ^2/NDF:3681239413.7/22

All: 0.144+/-0.000 χ^2/NDF: 5275483944.2/41

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:2359.5/3

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:1408.4/2

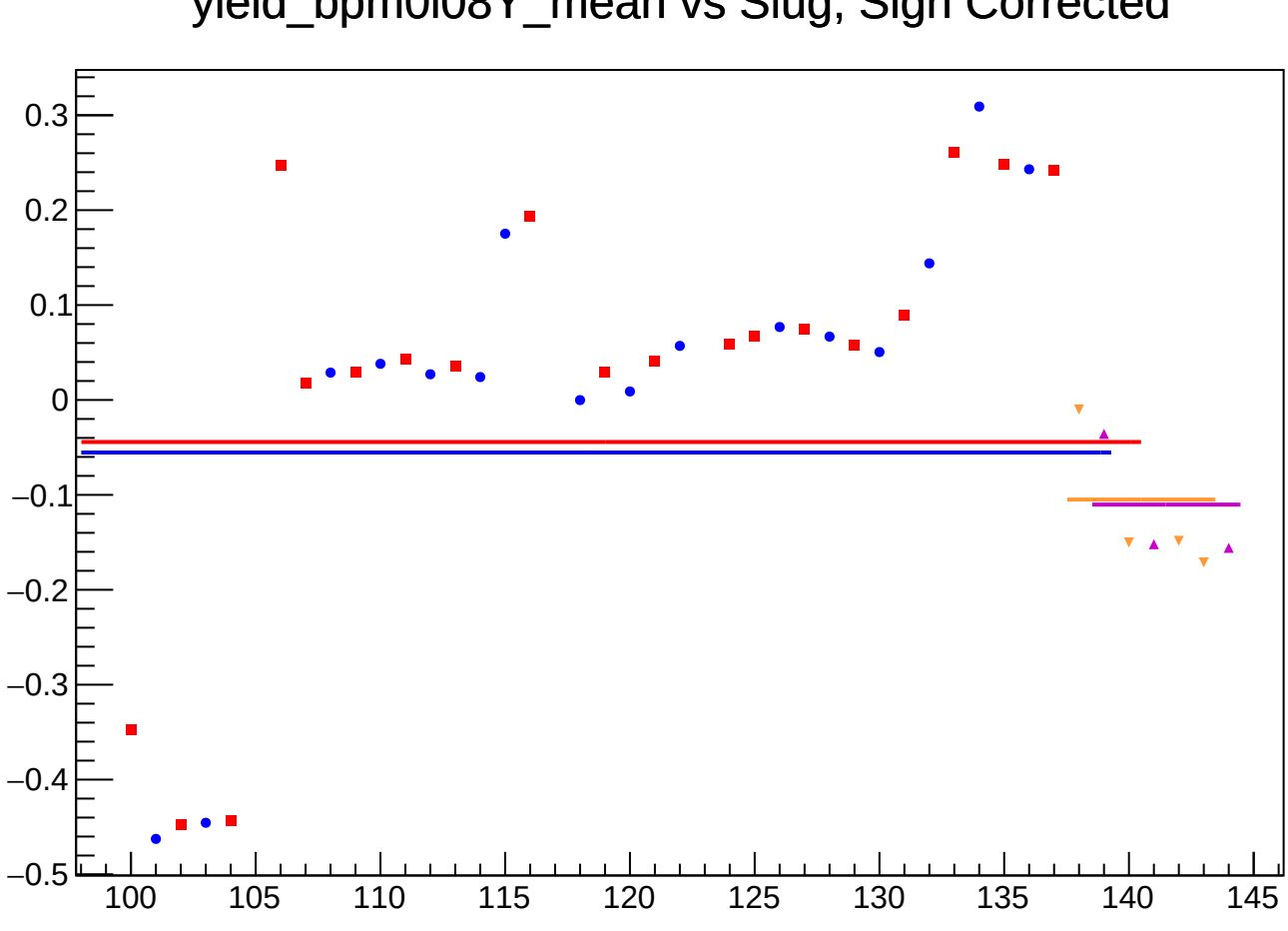
Left: 0.013+/-0.000 χ^2/NDF: 4164.7/6

Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.010+/-0.000 χ^2/NDF:419977.9/18

Out: 0.010+/-0.000 χ^2/NDF:509191.9/22

All: 0.010+/-0.000 χ^2/NDF: 936521.3/41



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.105+/-0.000 χ^2/NDF:1345394061.5/3

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.110+/-0.000 χ^2/NDF:857651446.4/2

Left: -0.108+/-0.000 χ^2/NDF: 2206737183.2/6

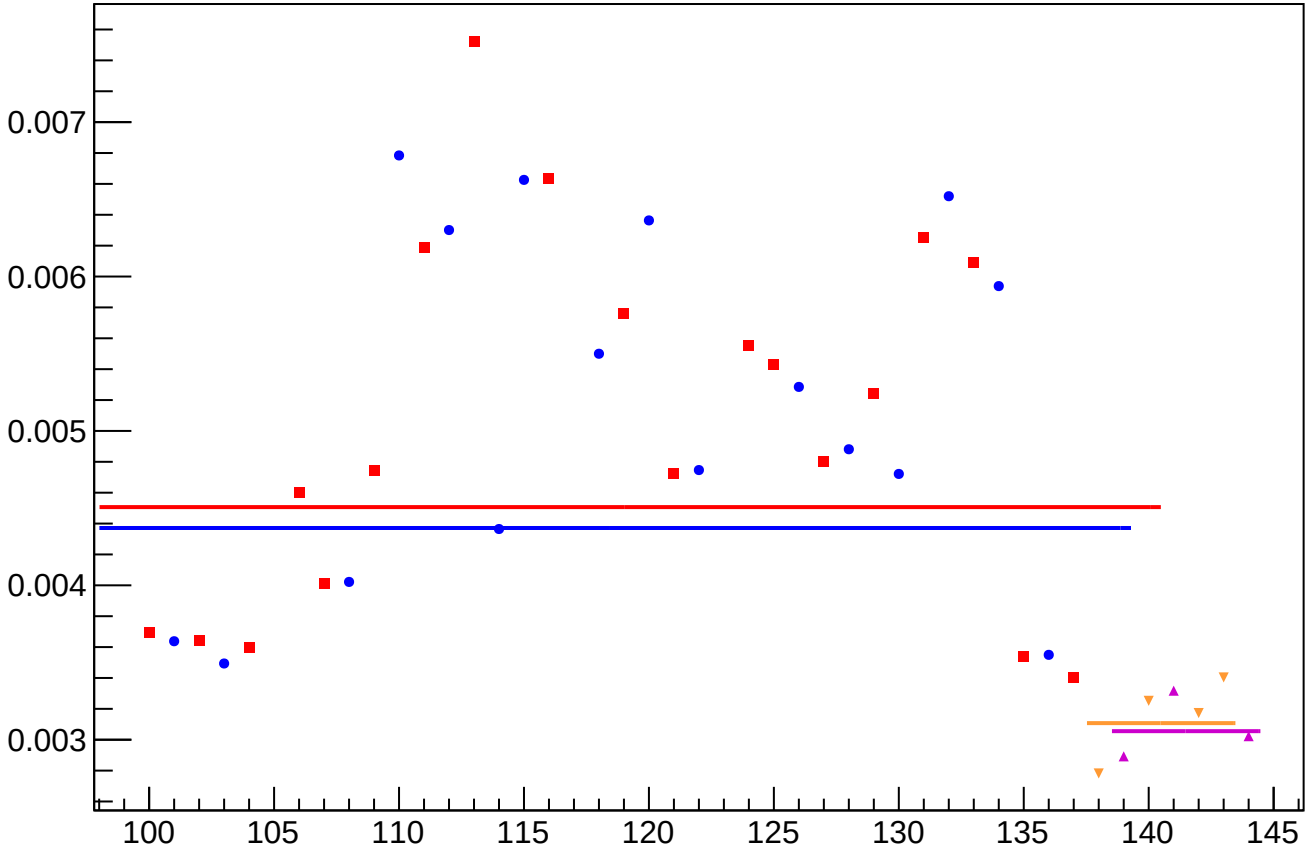
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.080+/-0.000 χ^2/NDF:25373037130.4/18

Out: -0.072+/-0.000 χ^2/NDF:24012379434.9/22

All: -0.076+/-0.000 χ^2/NDF: 49403839490.7/

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:34286.6/3

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:15247.7/2

Left: 0.003+/-0.000 χ^2/NDF: 50250.9/6

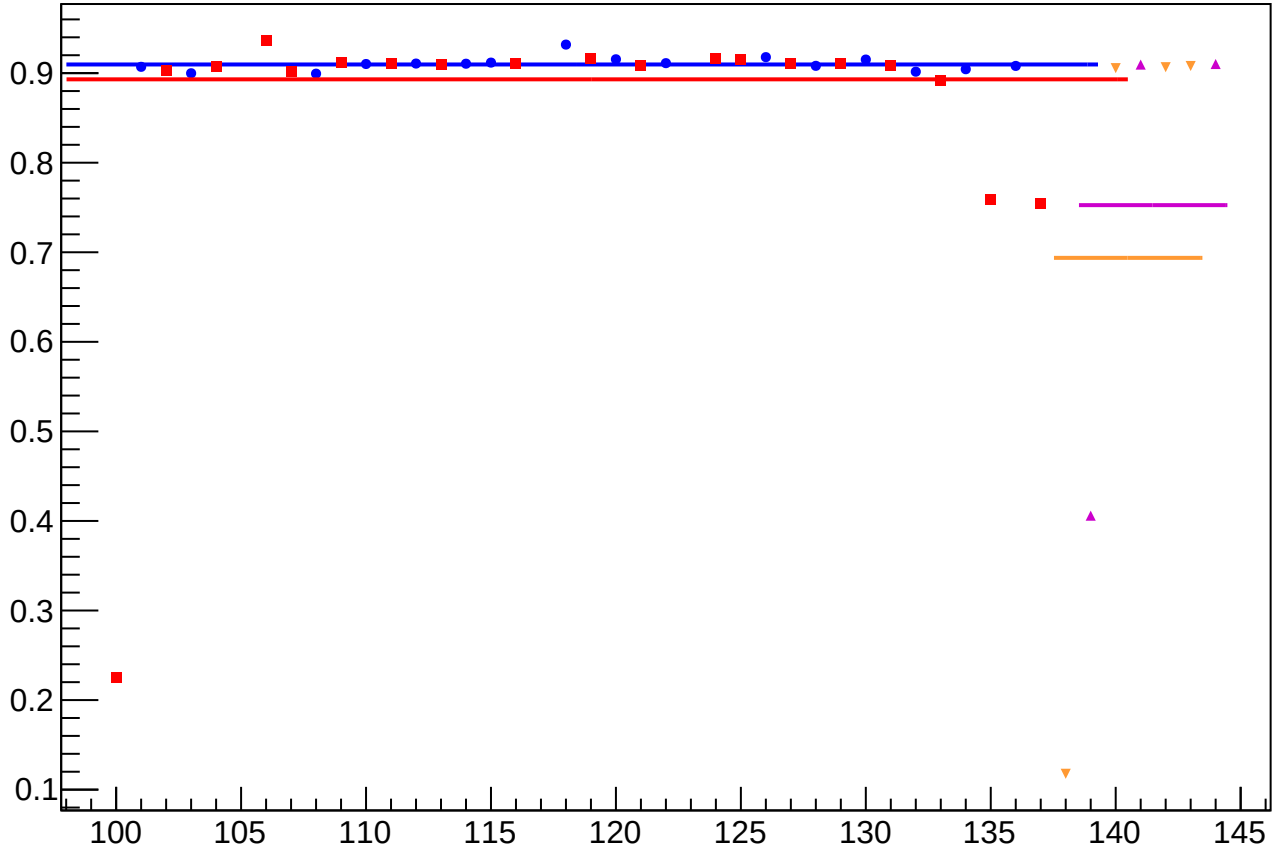
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1173947.1/18

Out: 0.004+/-0.000 χ^2/NDF:1303853.9/22

All: 0.004+/-0.000 χ^2/NDF: 2482153.9/41

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.694+/-0.000 χ^2/NDF:1923414013.8/3

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.753+/-0.000 χ^2/NDF:822691091.1/2

Left: 0.723+/-0.000 χ^2/NDF: 2772743650.1/6

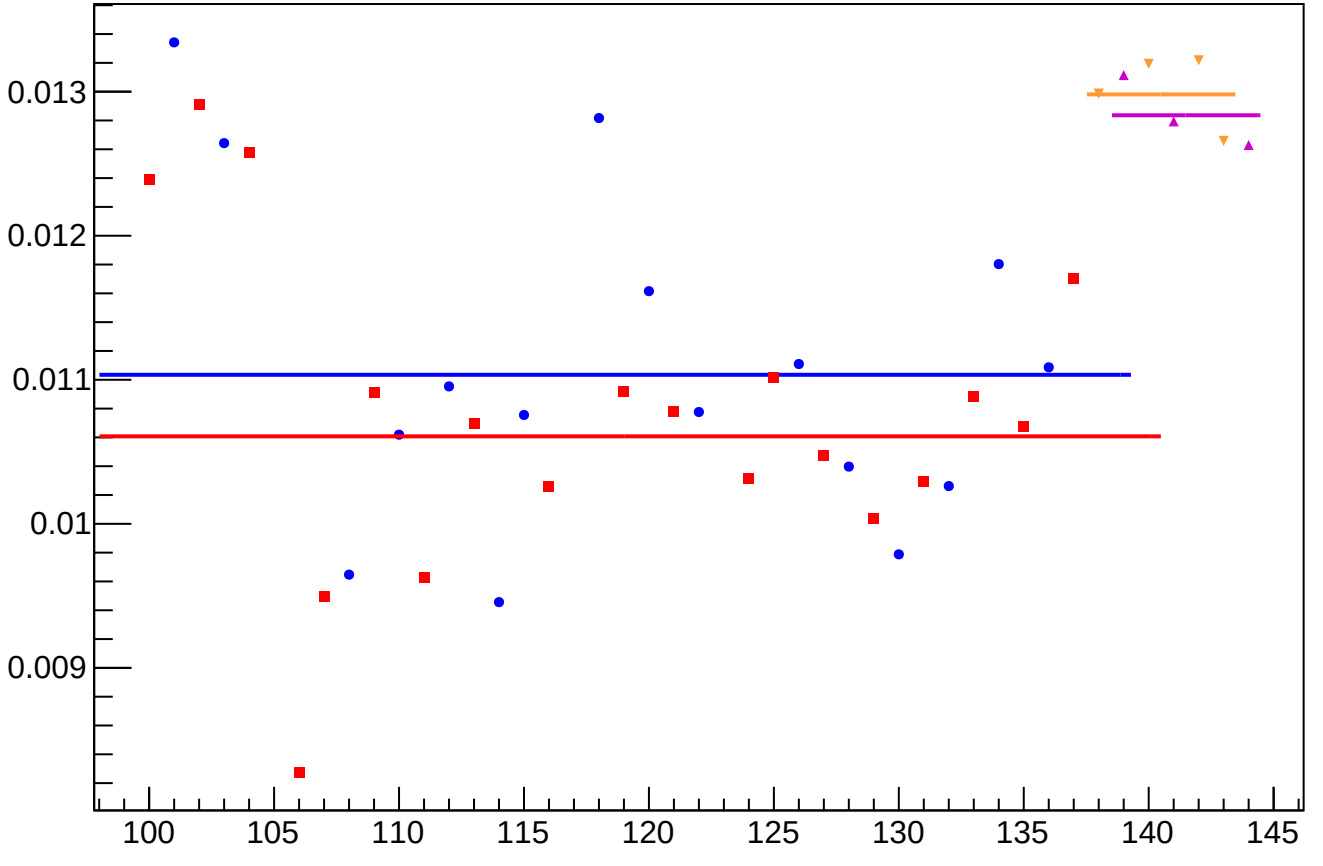
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.877+/-0.000 χ^2/NDF:1119452893.9/18

Out: 0.854+/-0.000 χ^2/NDF:2751697152.1/22

All: 0.865+/-0.000 χ^2/NDF: 3890478228.6/41

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:1638.9/3

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:1203.9/2

Left: 0.013+/-0.000 χ^2/NDF: 3165.0/6

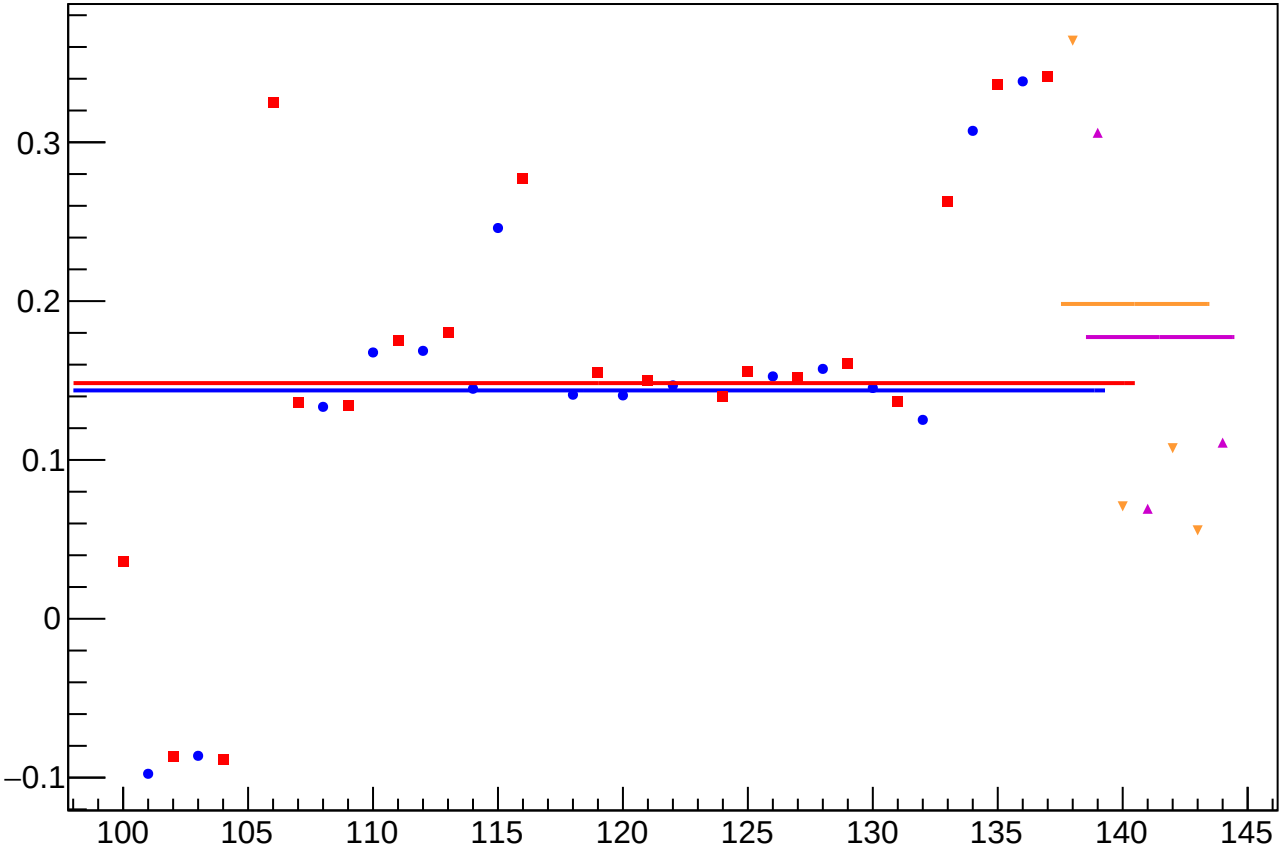
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:208835.5/18

Out: 0.011+/-0.000 χ^2/NDF:287500.0/22

All: 0.011+/-0.000 χ^2/NDF: 505090.6/41

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.198+/-0.000 χ^2/NDF:3677883782.0/3

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.177+/-0.000 χ^2/NDF:1872888362.4/2

Left: 0.188+/-0.000 χ^2/NDF: 5588182587.9/6

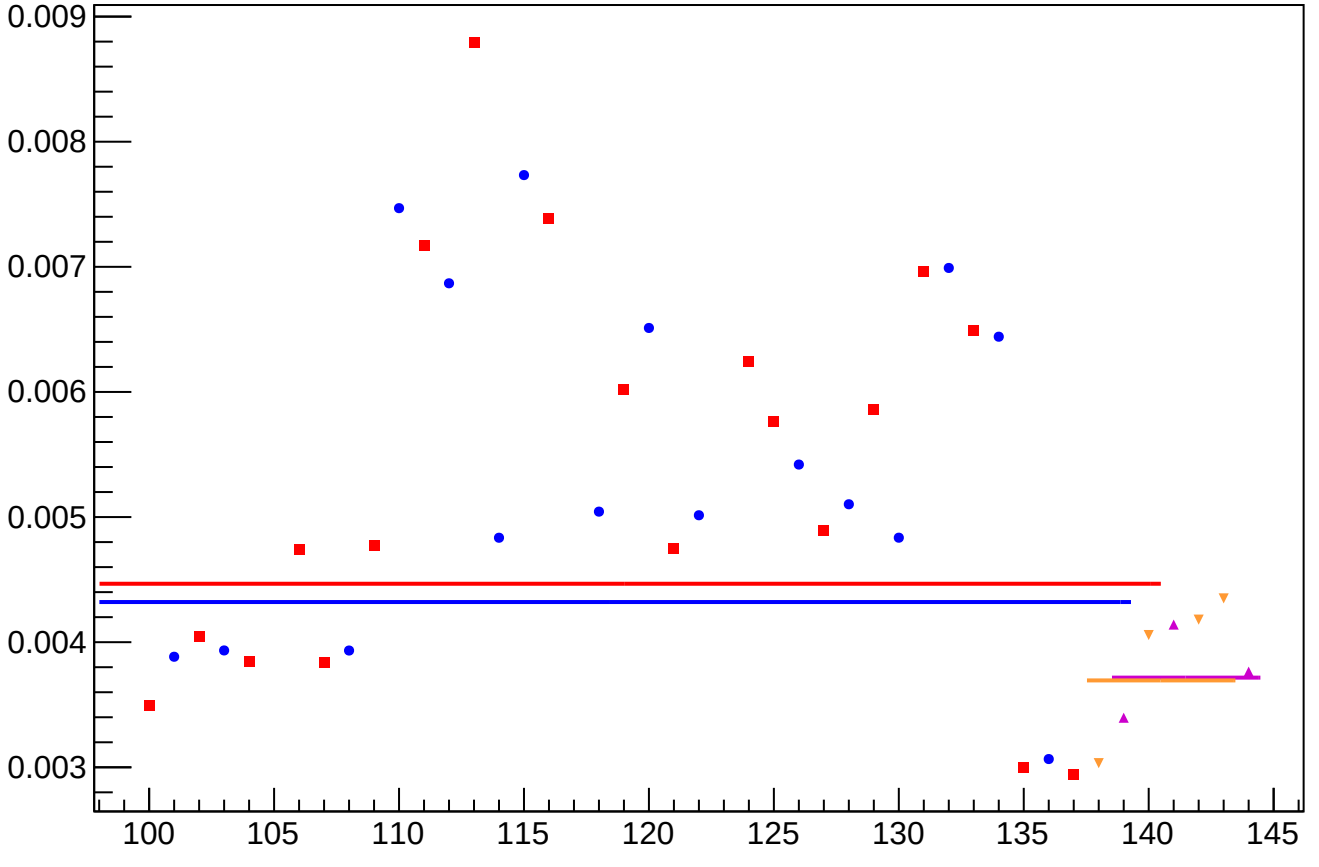
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.156+/-0.000 χ^2/NDF:9862926692.8/18

Out: 0.167+/-0.000 χ^2/NDF:11081493793.5/22

All: 0.161+/-0.000 χ^2/NDF: 20974402268.7/4

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:119168.3/3

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:29768.5/2

Left: 0.004+/-0.000 χ^2/NDF: 149022.3/6

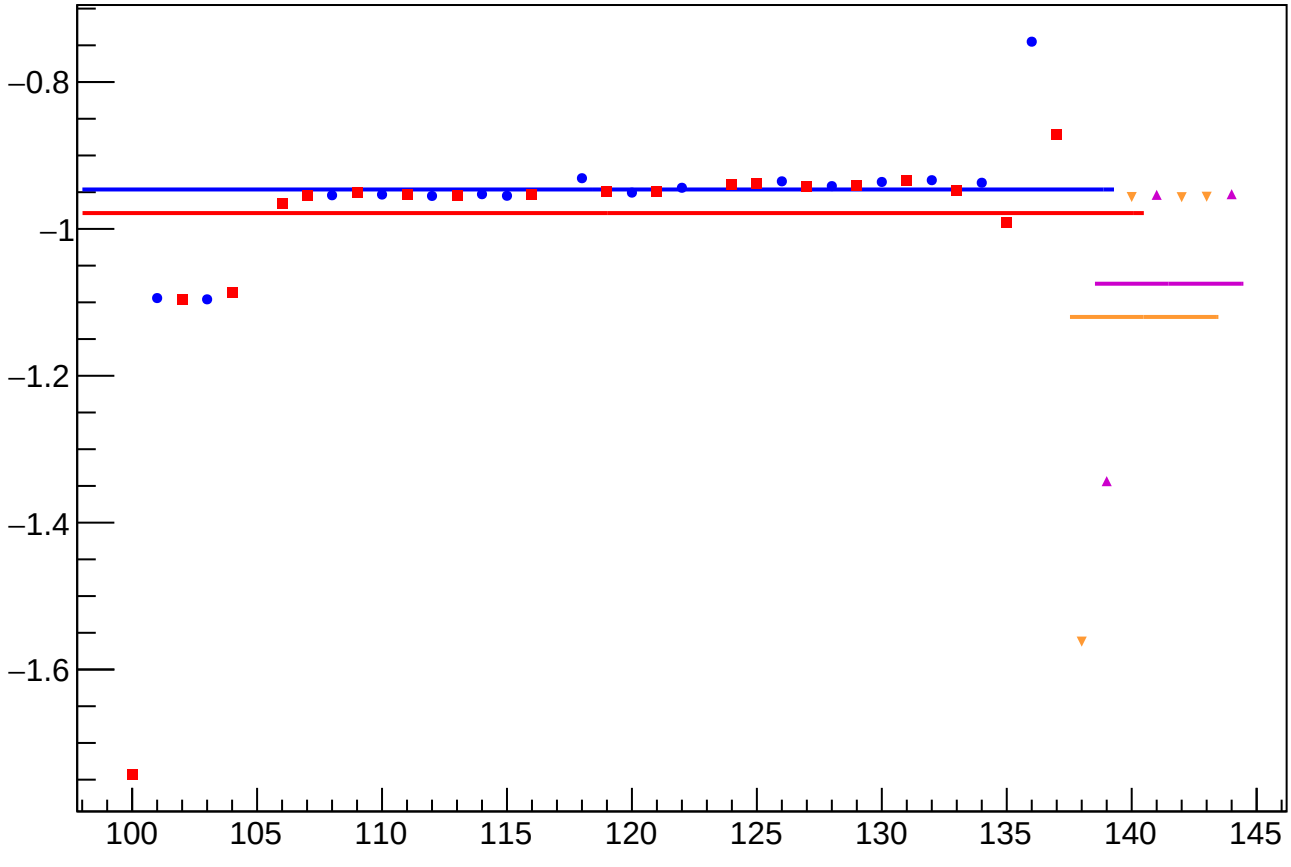
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:987477.3/18

Out: 0.004+/-0.000 χ^2/NDF:1337116.6/22

All: 0.004+/-0.000 χ^2/NDF: 2327101.7/41

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.120+/-0.000 χ^2/NDF:1460770413.7/3

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.075+/-0.000 χ^2/NDF:629912226.0/2

Left: -1.098+/-0.000 χ^2/NDF: 2110887660.3/6

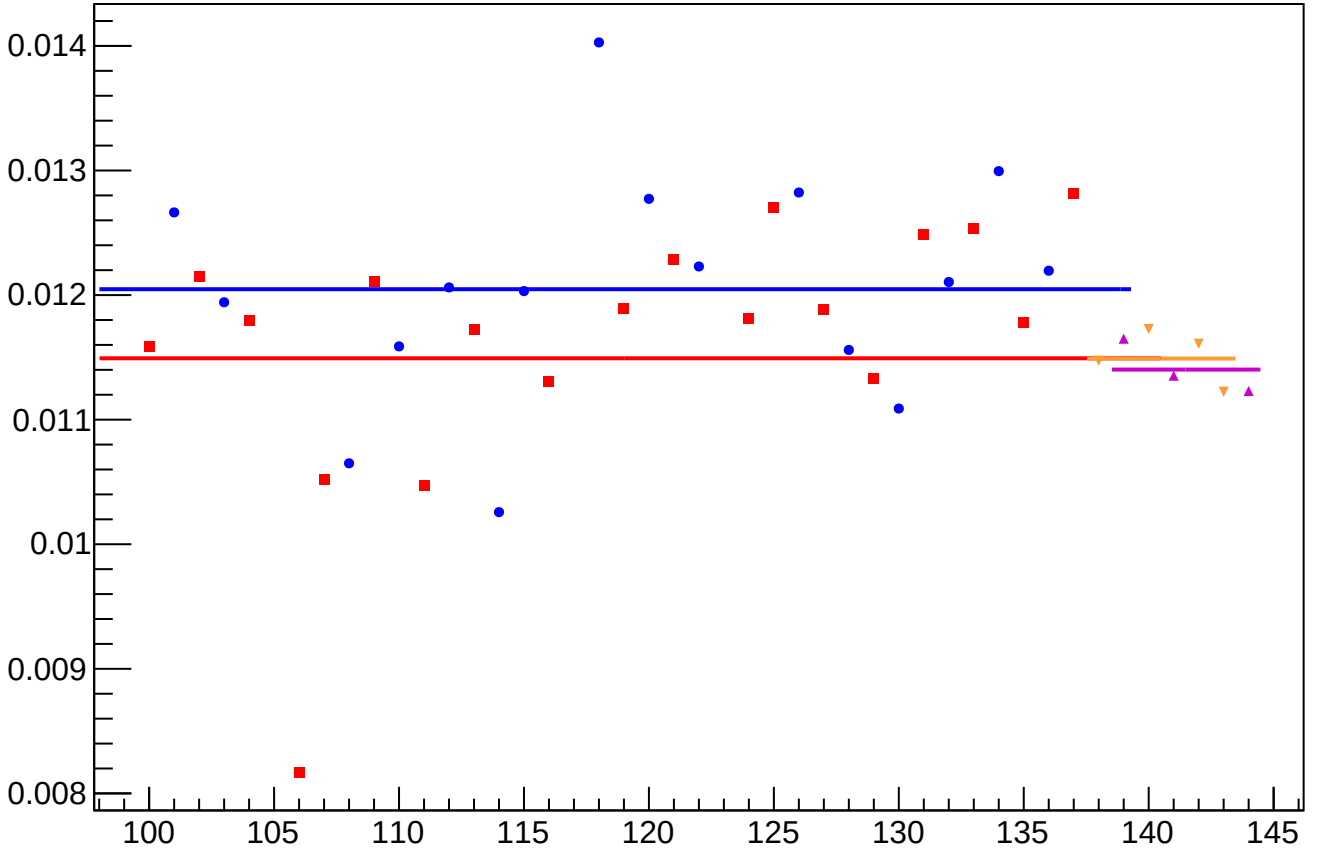
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.983+/-0.000 χ^2/NDF:1260093442.9/18

Out: -1.017+/-0.000 χ^2/NDF:2216457288.7/22

All: -1.001+/-0.000 χ^2/NDF: 3515802030.9/4

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:1578.6/3

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:1170.1/2

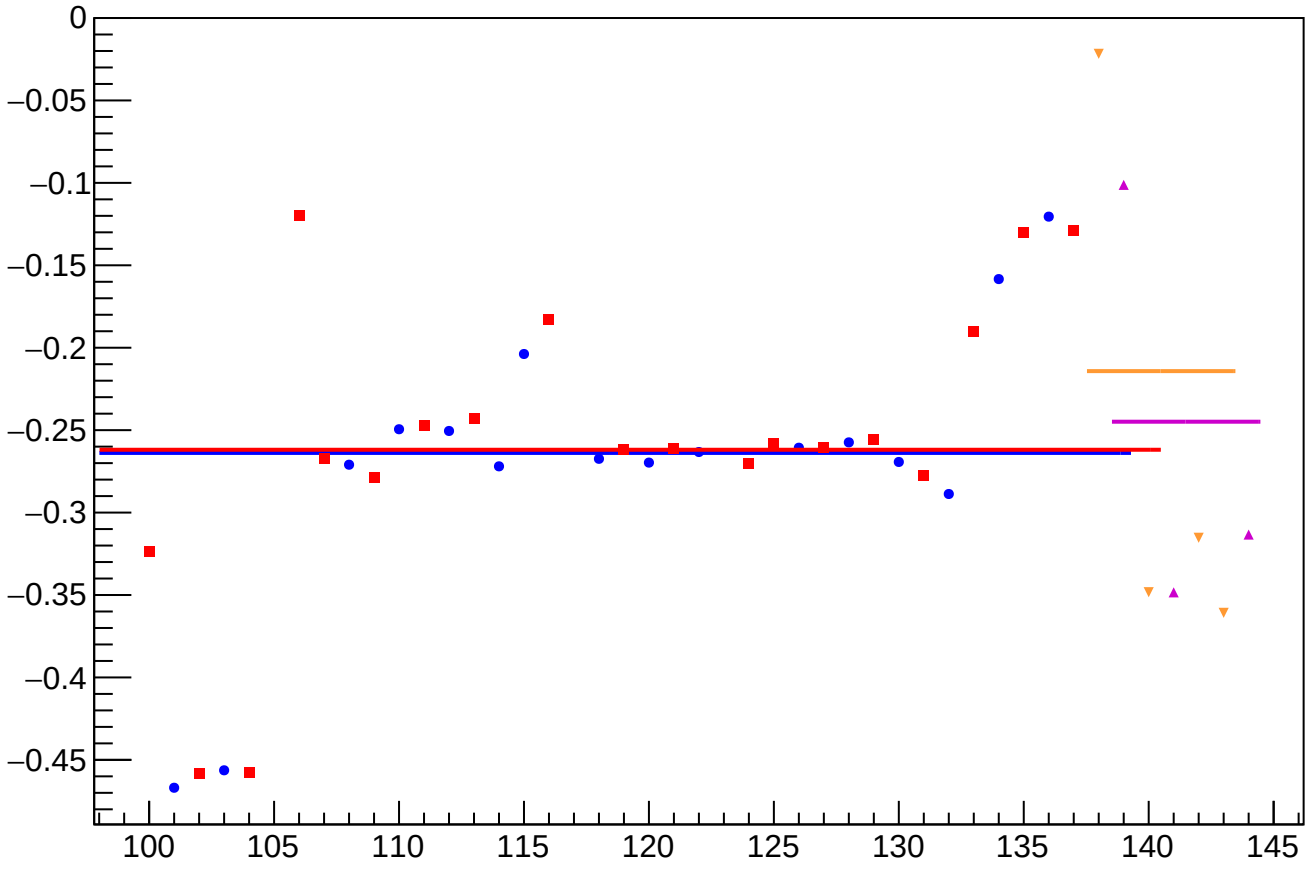
Left: 0.011+/-0.000 χ^2/NDF: 2902.4/6

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:75050.2/18

Out: 0.011+/-0.000 χ^2/NDF:152888.1/22

All: 0.012+/-0.000 χ^2/NDF: 237482.9/41



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.214+/-0.000 χ^2/NDF:3428338631.9/3

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.245+/-0.000 χ^2/NDF:1606951053.1/2

Left: -0.229+/-0.000 χ^2/NDF: 5098038275.7/6

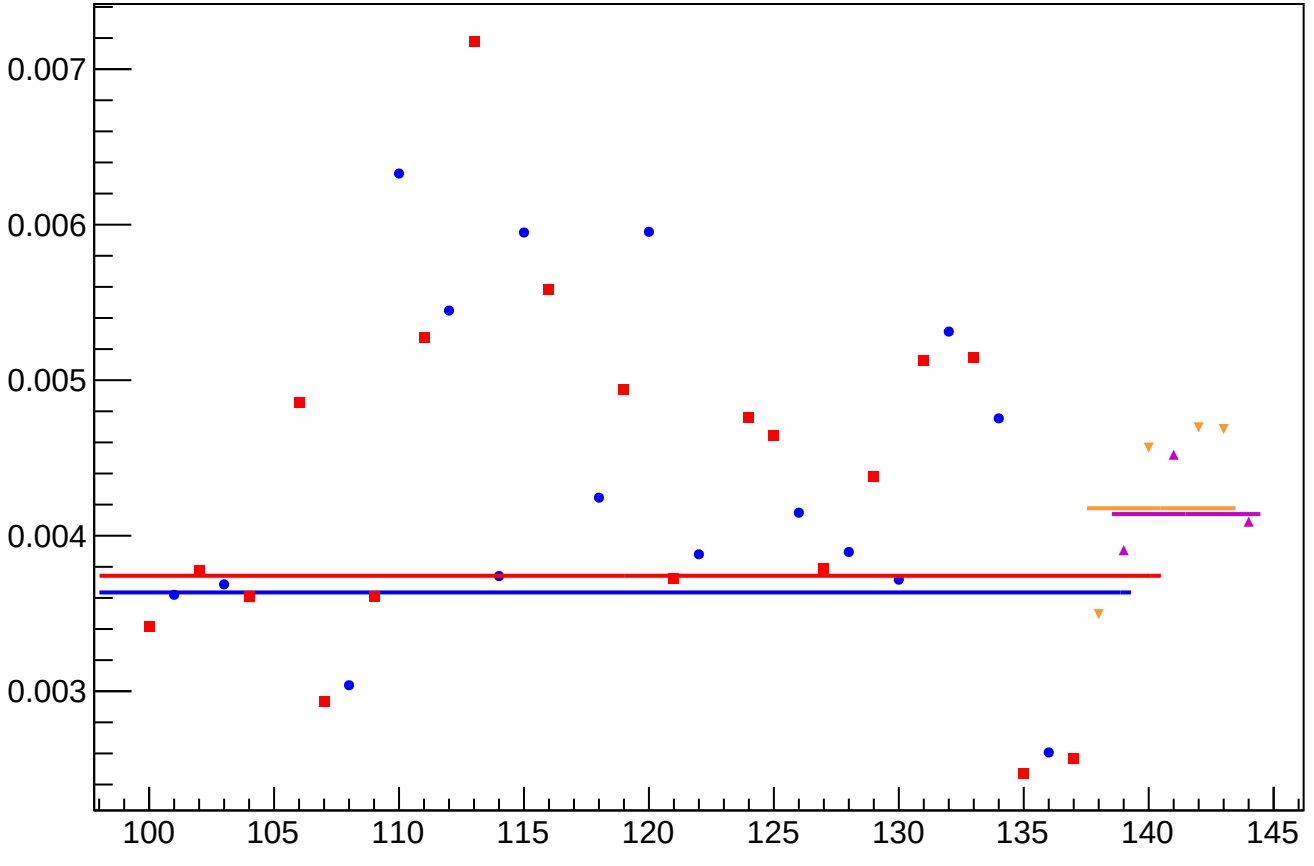
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.259+/-0.000 χ^2/NDF:7749444634.8/18

Out: -0.251+/-0.000 χ^2/NDF:8911632395.6/22

All: -0.255+/-0.000 χ^2/NDF: 16683509628.9/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:85824.4/3

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:15838.6/2

Left: 0.004+/-0.000 χ^2/NDF: 101849.4/6

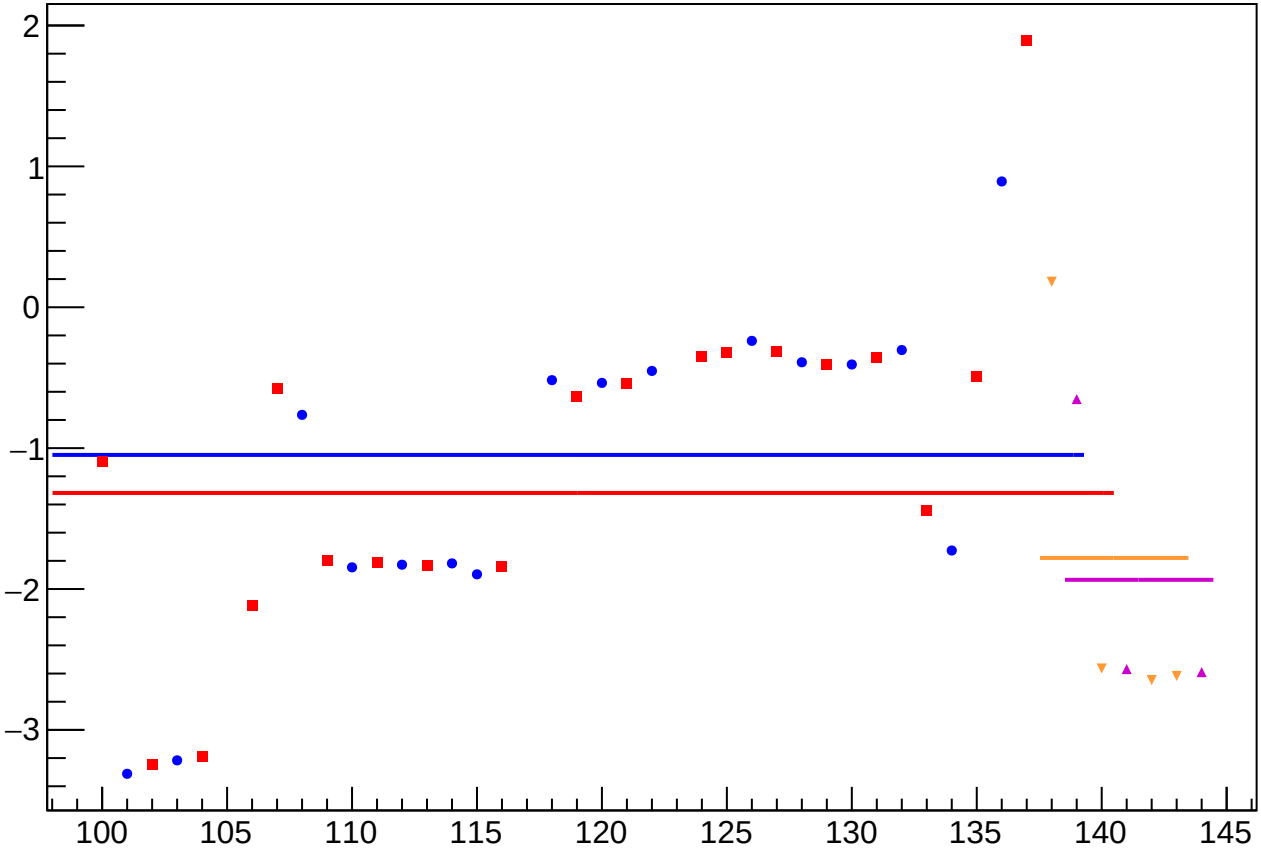
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:795922.6/18

Out: 0.004+/-0.000 χ^2/NDF:1018662.4/22

All: 0.004+/-0.000 χ^2/NDF: 1819568.9/41

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.779+/-0.000 χ^2/NDF:821808052.5/3

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.935+/-0.000 χ^2/NDF:384953808.3/2

Left: -1.854+/-0.000 χ^2/NDF: 1212619417.4/6

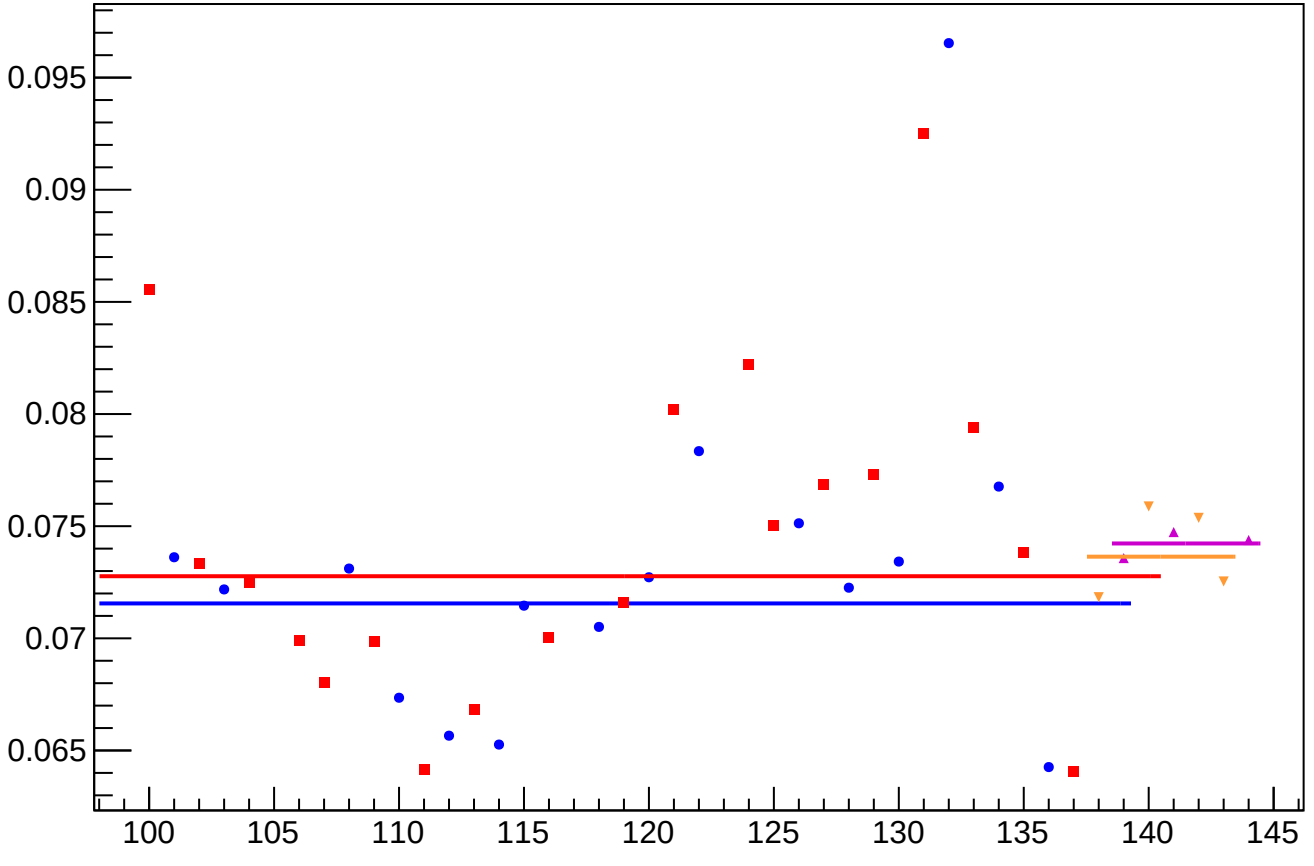
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.273+/-0.000 χ^2/NDF:3005005033.1/18

Out: -1.443+/-0.000 χ^2/NDF:2748776067.3/22

All: -1.359+/-0.000 χ^2/NDF: 5780568935.2/4

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:3159.3/3

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:218.0/2

Left: 0.074+/-0.000 χ^2/NDF: 3545.7/6

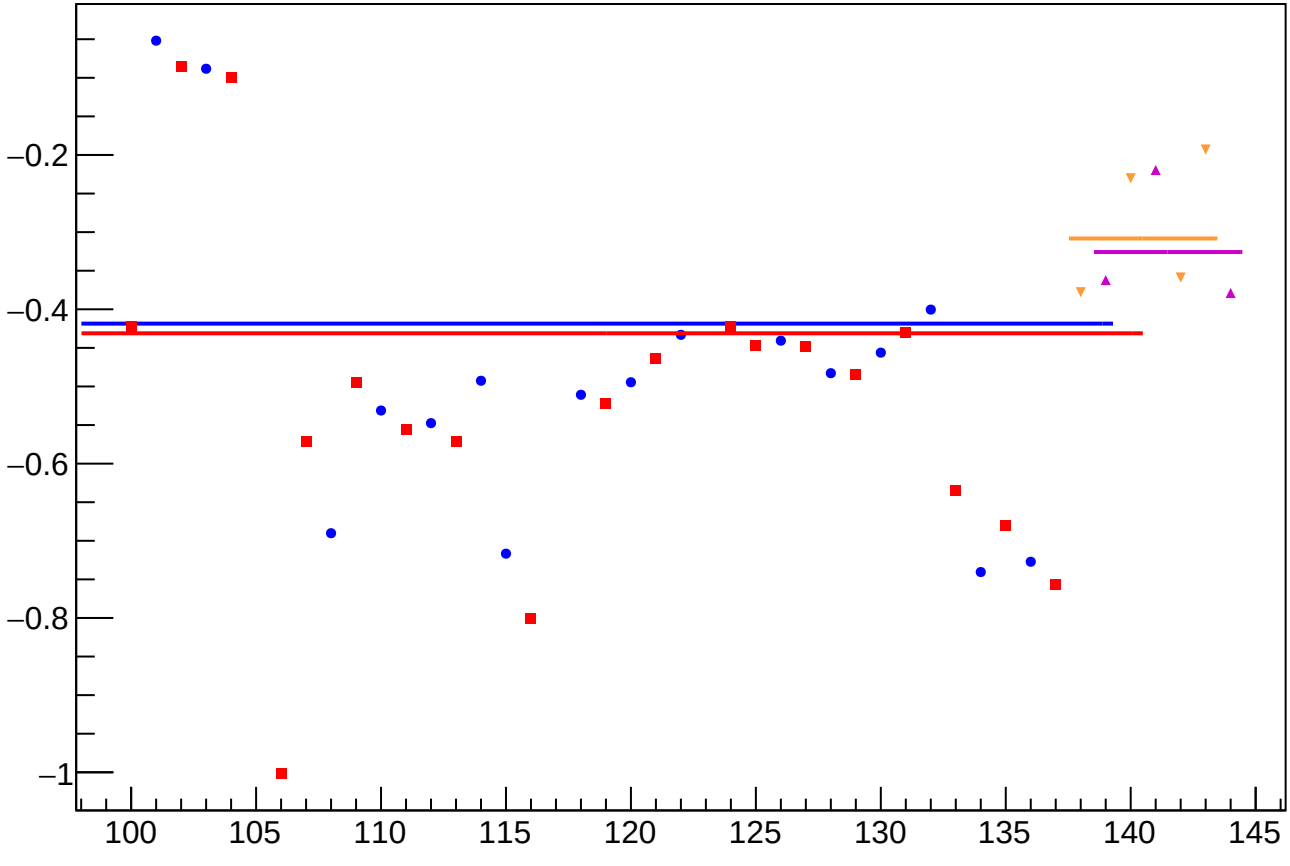
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:106422.7/18

Out: 0.073+/-0.000 χ^2/NDF:100597.4/22

All: 0.073+/-0.000 χ^2/NDF: 208123.2/41

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.308+/-0.000 χ^2/NDF:231717313.4/3

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.326+/-0.000 χ^2/NDF:150262537.5/2

Left: -0.317+/-0.000 χ^2/NDF: 387281190.9/6

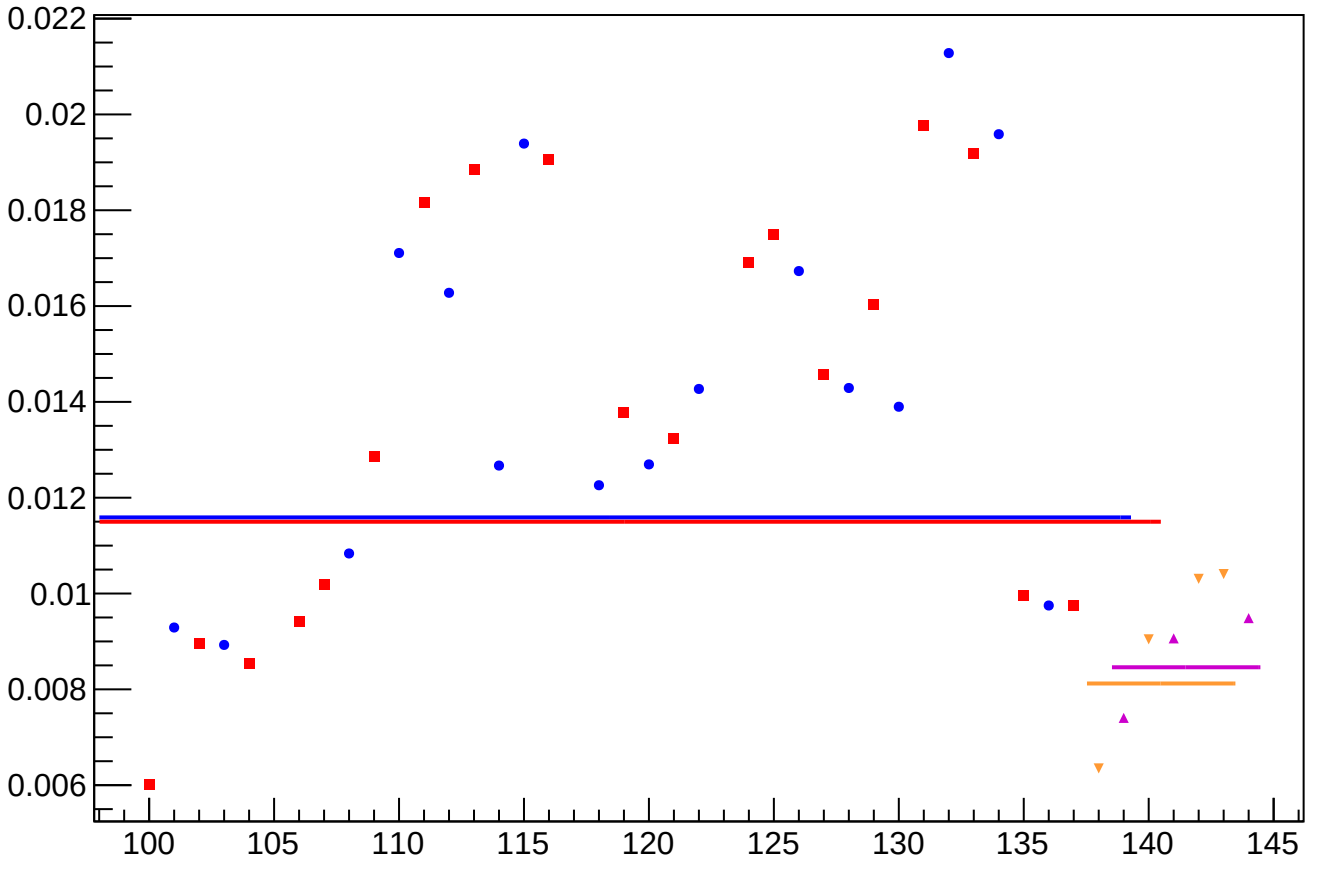
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.379+/-0.000 χ^2/NDF:3384349640.6/18

Out: -0.377+/-0.000 χ^2/NDF:3733113248.0/22

All: -0.378+/-0.000 χ^2/NDF: 7117753356.1/4

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:227476.2/3

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.008+/-0.000 χ^2/NDF:57603.7/2

Left: 0.008+/-0.000 χ^2/NDF: 289025.7/6

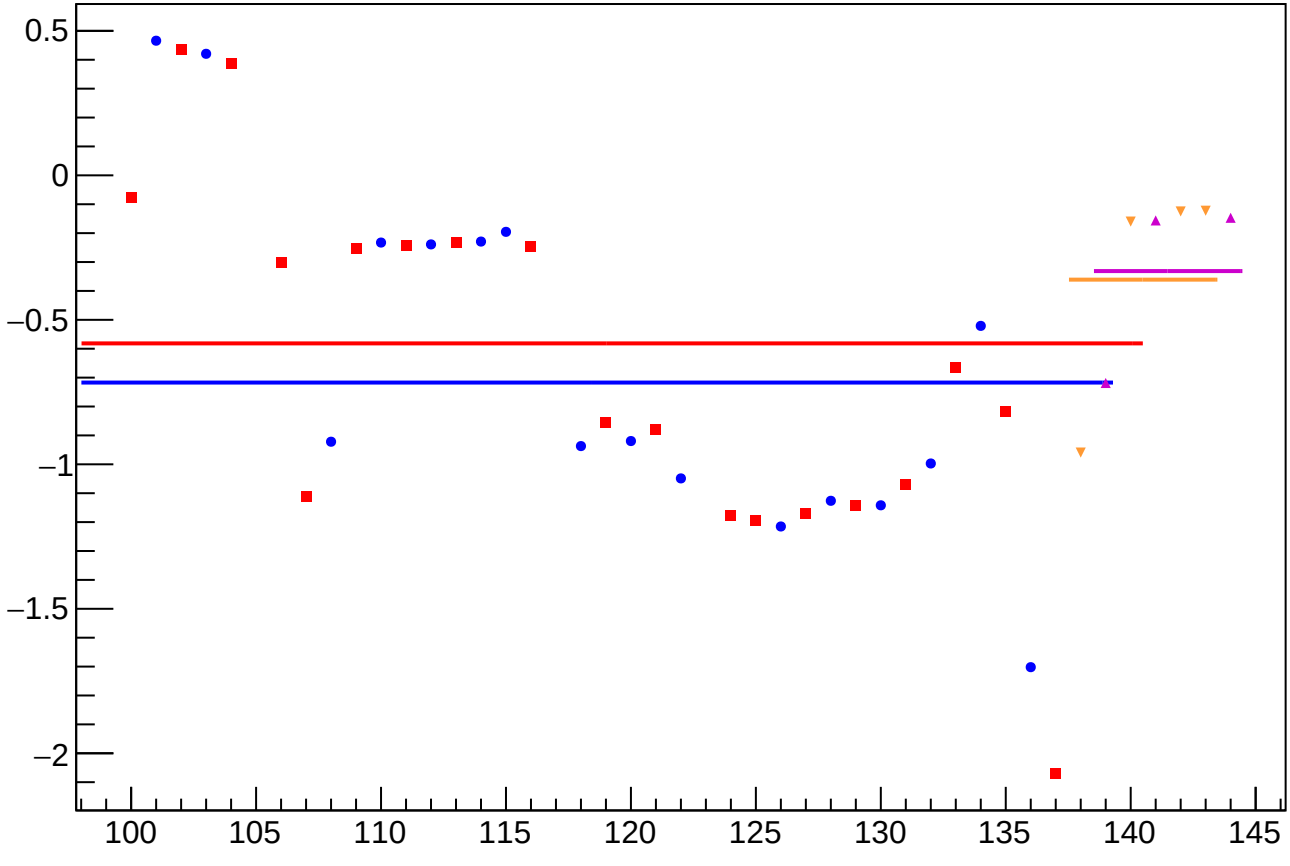
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1212014.8/18

Out: 0.010+/-0.000 χ^2/NDF:1852290.4/22

All: 0.010+/-0.000 χ^2/NDF: 3069834.7/41

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.361+/-0.000 χ^2/NDF:55998093.1/3

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.331+/-0.000 χ^2/NDF:26682732.3/2

Left: -0.347+/-0.000 χ^2/NDF: 82856248.1/6

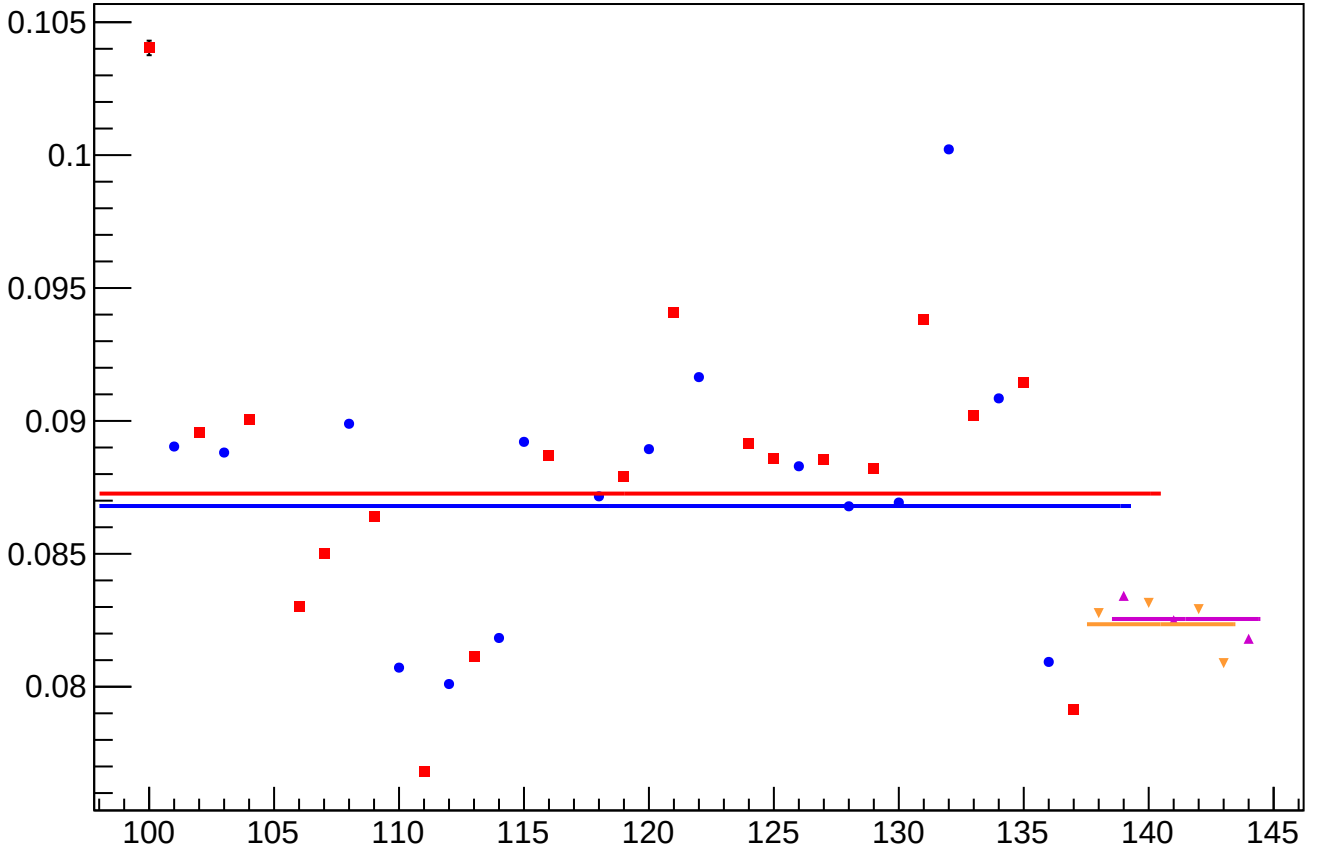
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.606+/-0.000 χ^2/NDF:504735550.4/18

Out: -0.515+/-0.000 χ^2/NDF:412315710.9/22

All: -0.560+/-0.000 χ^2/NDF: 922706587.7/41

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.082+/-0.000 χ^2/NDF:757.8/3

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.083+/-0.000 χ^2/NDF:332.9/2

Left: 0.082+/-0.000 χ^2/NDF: 1106.4/6

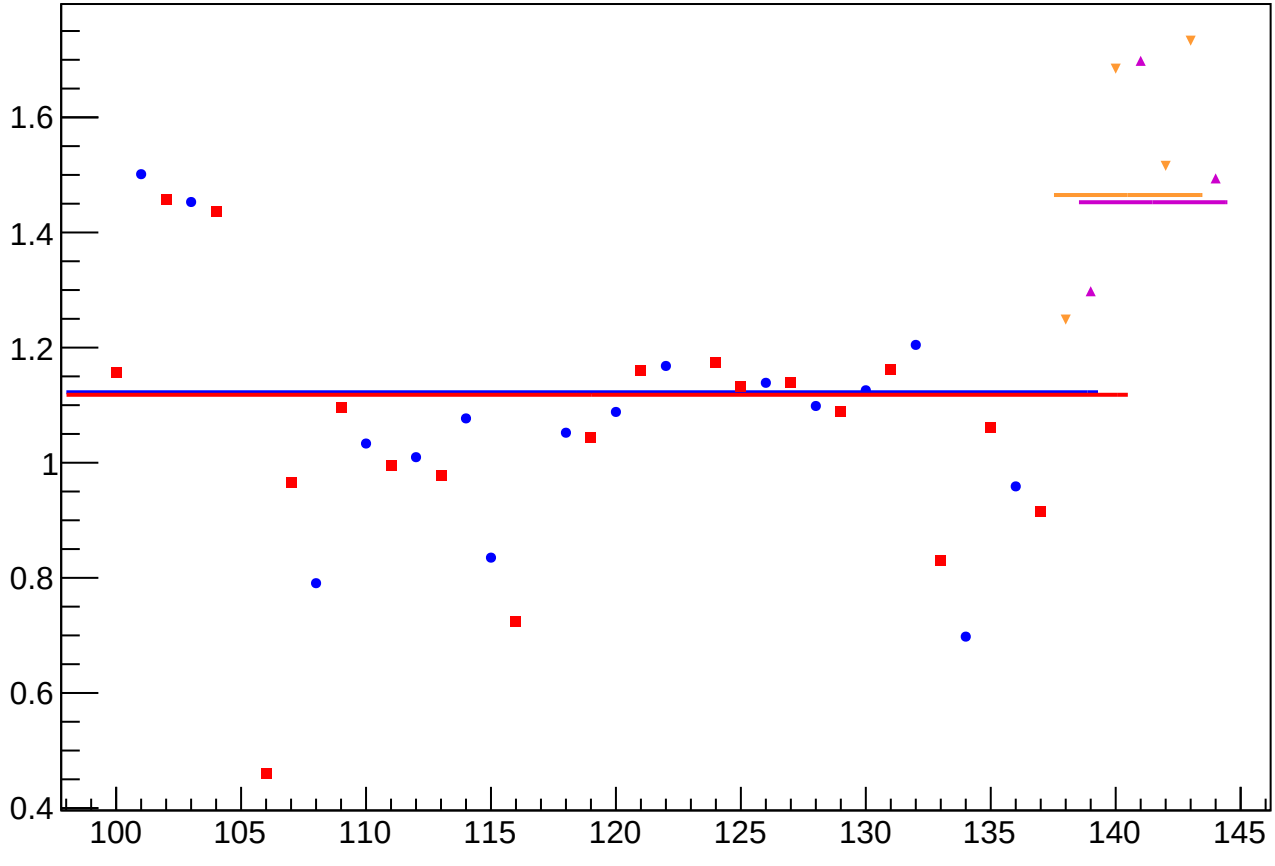
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:53769.6/18

Out: 0.086+/-0.000 χ^2/NDF:61075.3/22

All: 0.086+/-0.000 χ^2/NDF: 114906.9/41

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.465+/-0.000 χ^2/NDF:1225761652.5/3

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.453+/-0.000 χ^2/NDF:645840384.0/2

Left: 1.459+/-0.000 χ^2/NDF: 1873549360.6/6

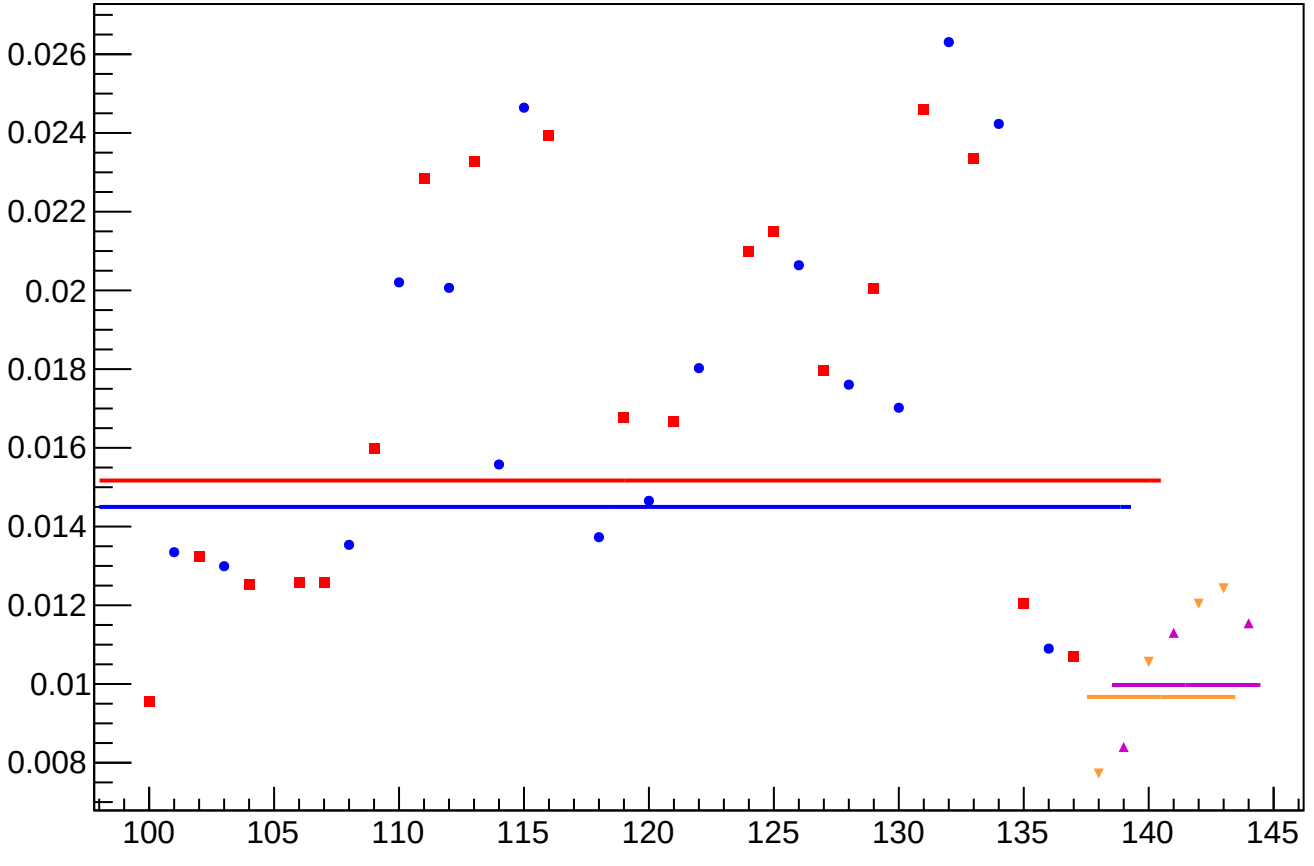
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.272+/-0.000 χ^2/NDF:3503412356.3/18

Out: 1.290+/-0.000 χ^2/NDF:4388878753.4/22

All: 1.281+/-0.000 χ^2/NDF: 7900985595.5/41

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:205103.3/3

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:107804.4/2

Left: 0.010+/-0.000 χ^2/NDF: 315181.7/6

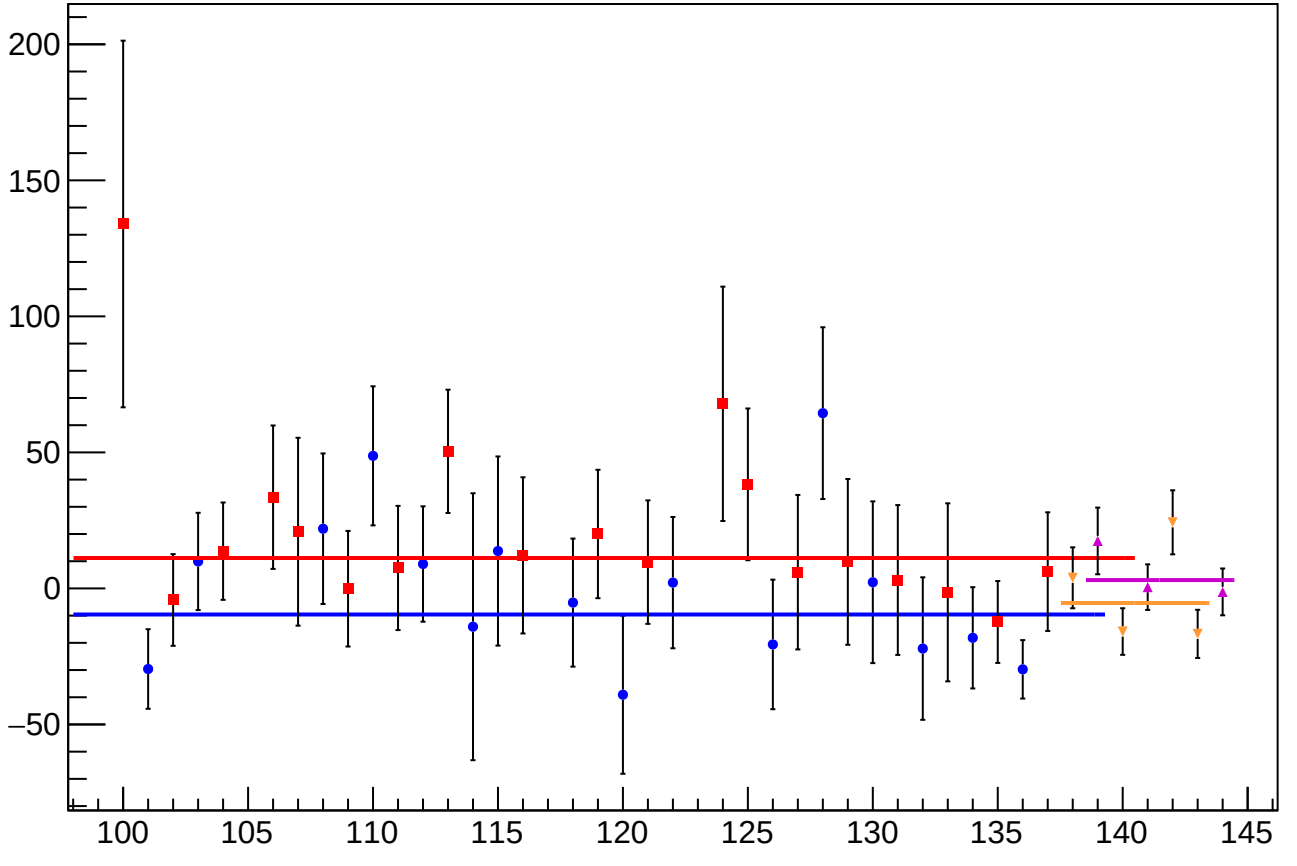
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.012+/-0.000 χ^2/NDF:1345092.9/18

Out: 0.012+/-0.000 χ^2/NDF:1869210.3/22

All: 0.012+/-0.000 χ^2/NDF: 3214305.5/41

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -5.361+/-4.902 χ^2/NDF:10.2/3

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 3.069+/-5.388 χ^2/NDF:1.7/2

Left: -1.544+/-3.626 χ^2/NDF: 13.3/6

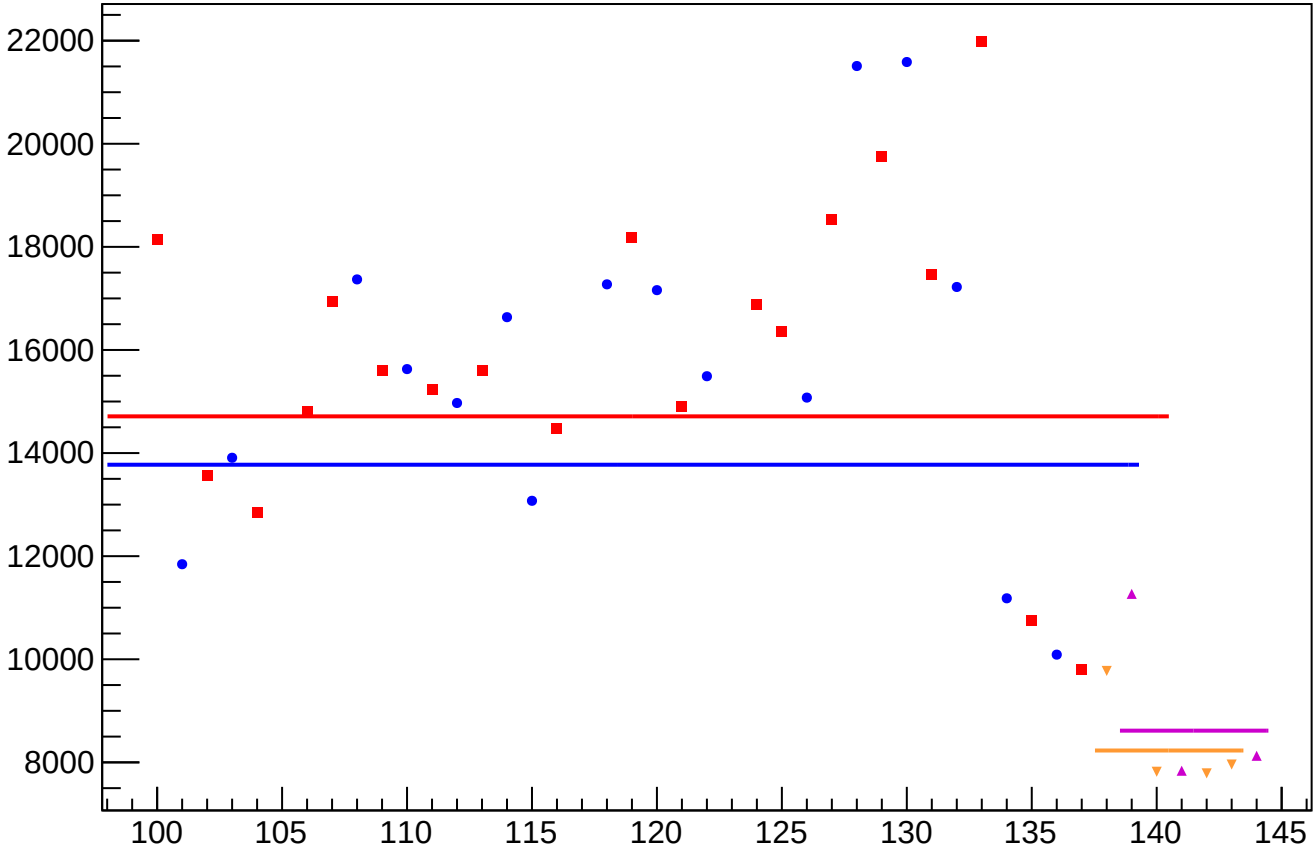
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -3.372+/-3.775 χ^2/NDF:26.5/18

Out: 1.964+/-3.658 χ^2/NDF:29.1/22

All: -0.620+/-2.627 χ^2/NDF: 56.6/41

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8230.230+/-3.466 χ^2/NDF:47359.6/3

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 8615.323+/-3.810 χ^2/NDF:117460.8/2

Left: 8404.611+/-2.564 χ^2/NDF: 170410.6/6

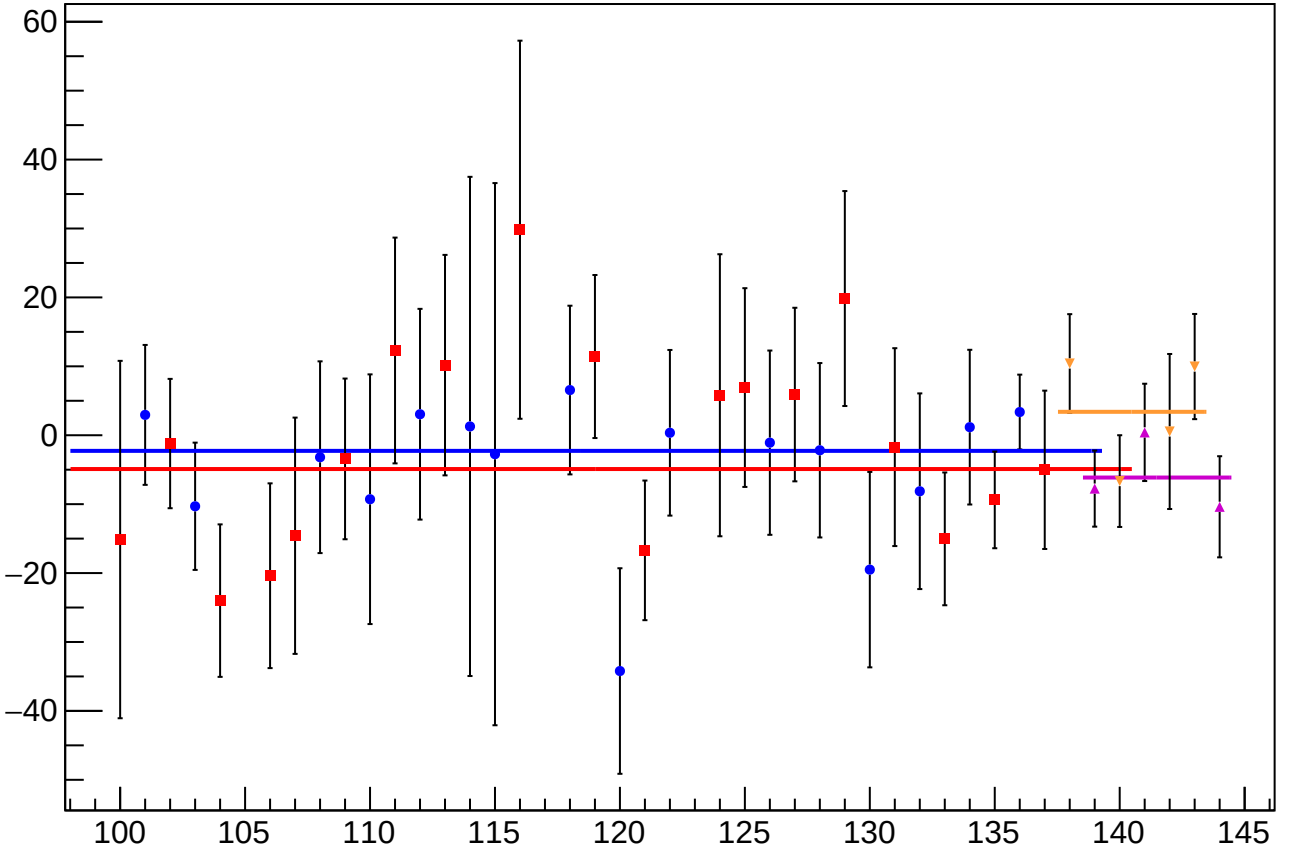
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 11241.624+/-2.669 χ^2/NDF:1798394.8/18

Out: 11101.170+/-2.587 χ^2/NDF:2153804.9/22

All: 11169.195+/-1.858 χ^2/NDF: 3953627.5/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.399+/-3.859 χ^2/NDF:4.0/3

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -6.138+/-3.741 χ^2/NDF:1.3/2

Left: -1.517+/-2.686 χ^2/NDF: 8.5/6

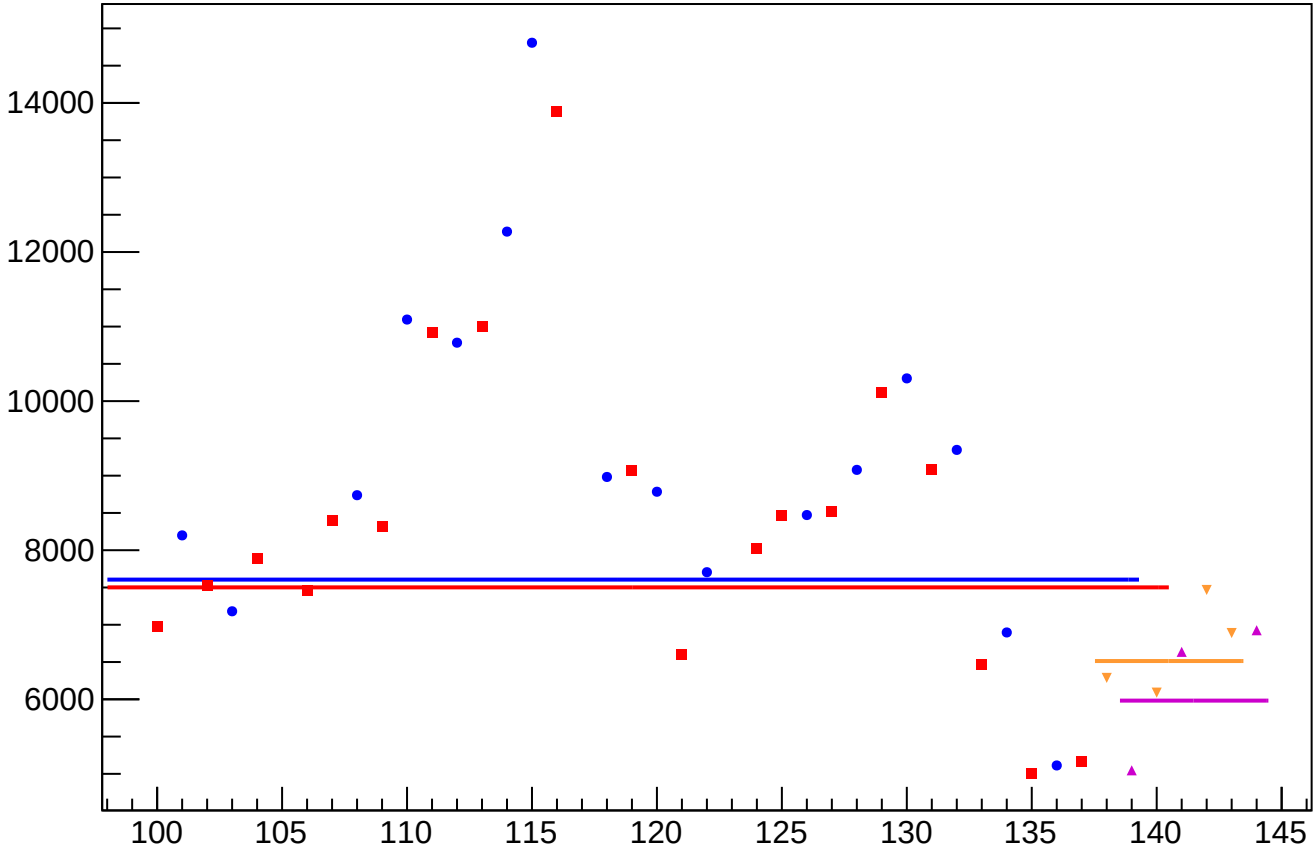
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -3.734+/-2.303 χ^2/NDF:11.2/18

Out: -1.992+/-2.285 χ^2/NDF:24.6/22

All: -2.856+/-1.622 χ^2/NDF: 36.2/41

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6513.343+/-2.729 χ^2/NDF:29323.4/3

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 5982.418+/-2.645 χ^2/NDF:107642.8/2

Left: 6239.673+/-1.899 χ^2/NDF: 156481.8/6

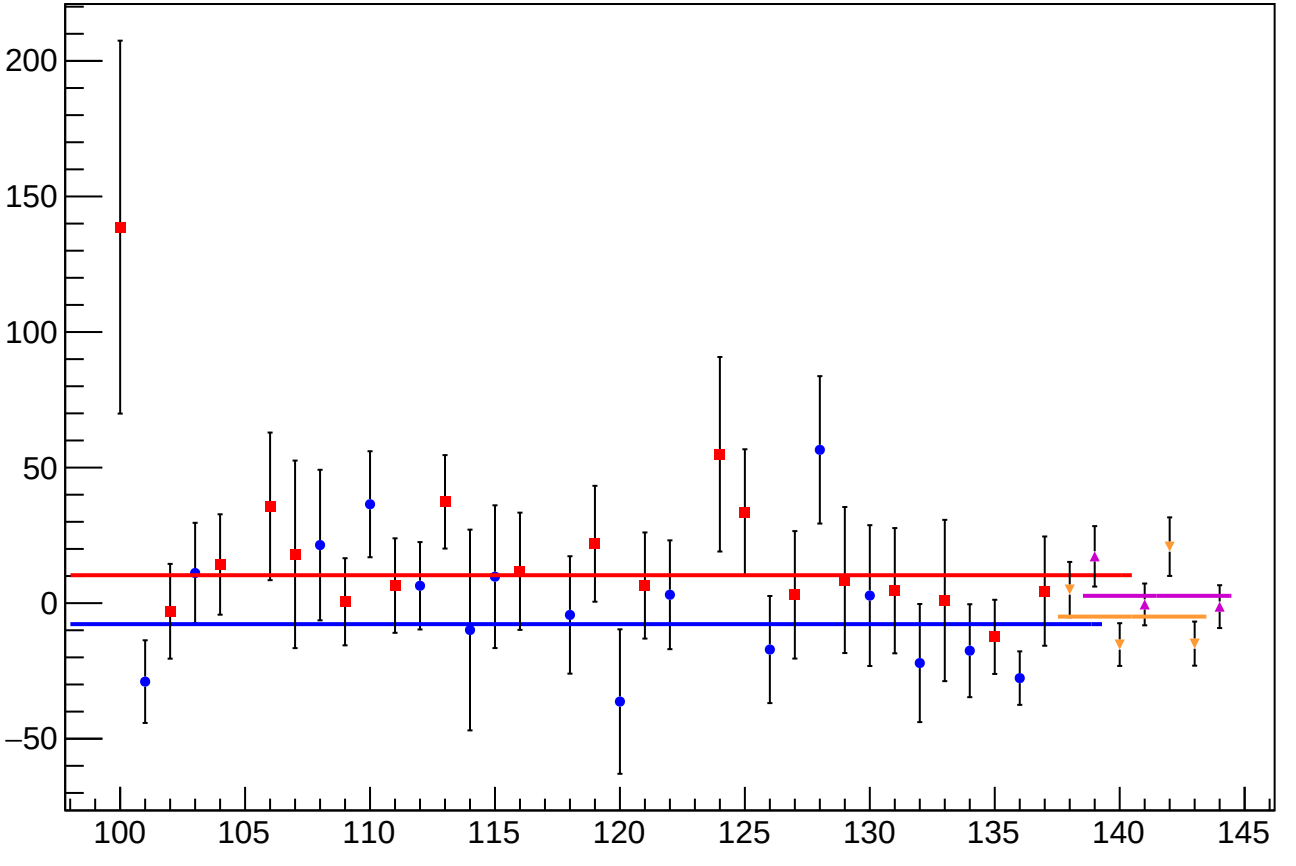
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6990.668+/-1.628 χ^2/NDF:1232993.3/18

Out: 7154.970+/-1.616 χ^2/NDF:938042.1/22

All: 7073.454+/-1.147 χ^2/NDF: 2176165.0/41

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -4.965+/-4.499 χ^2/NDF:9.9/3

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.702+/-4.944 χ^2/NDF:2.1/2

Left: -1.492+/-3.328 χ^2/NDF: 13.3/6

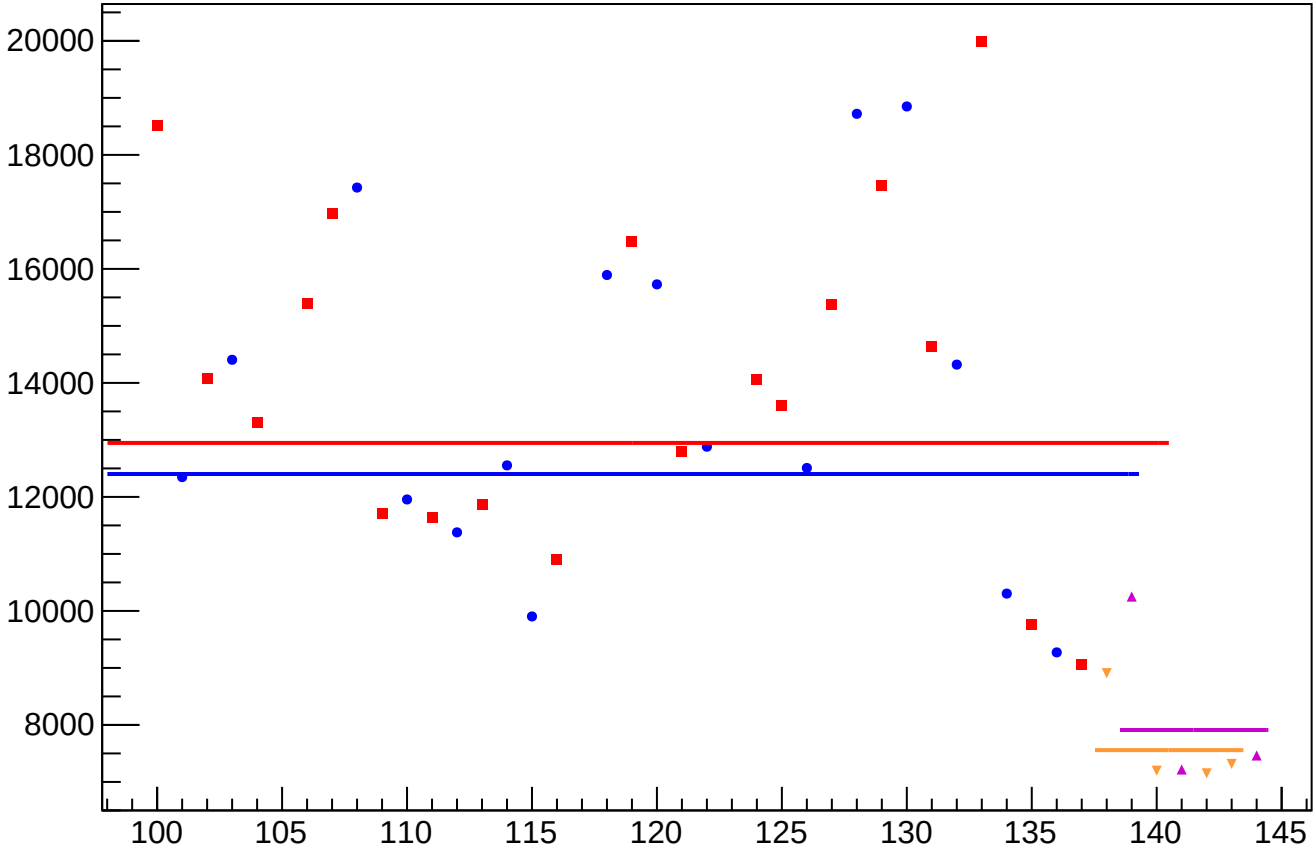
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.731+/-3.425 χ^2/NDF:27.1/18

Out: 2.115+/-3.295 χ^2/NDF:29.1/22

All: -0.214+/-2.375 χ^2/NDF: 57.3/41

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7558.095+/-3.181 χ^2/NDF:43838.4/3

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 7911.335+/-3.496 χ^2/NDF:110767.3/2

Left: 7718.097+/-2.353 χ^2/NDF: 160189.9/6

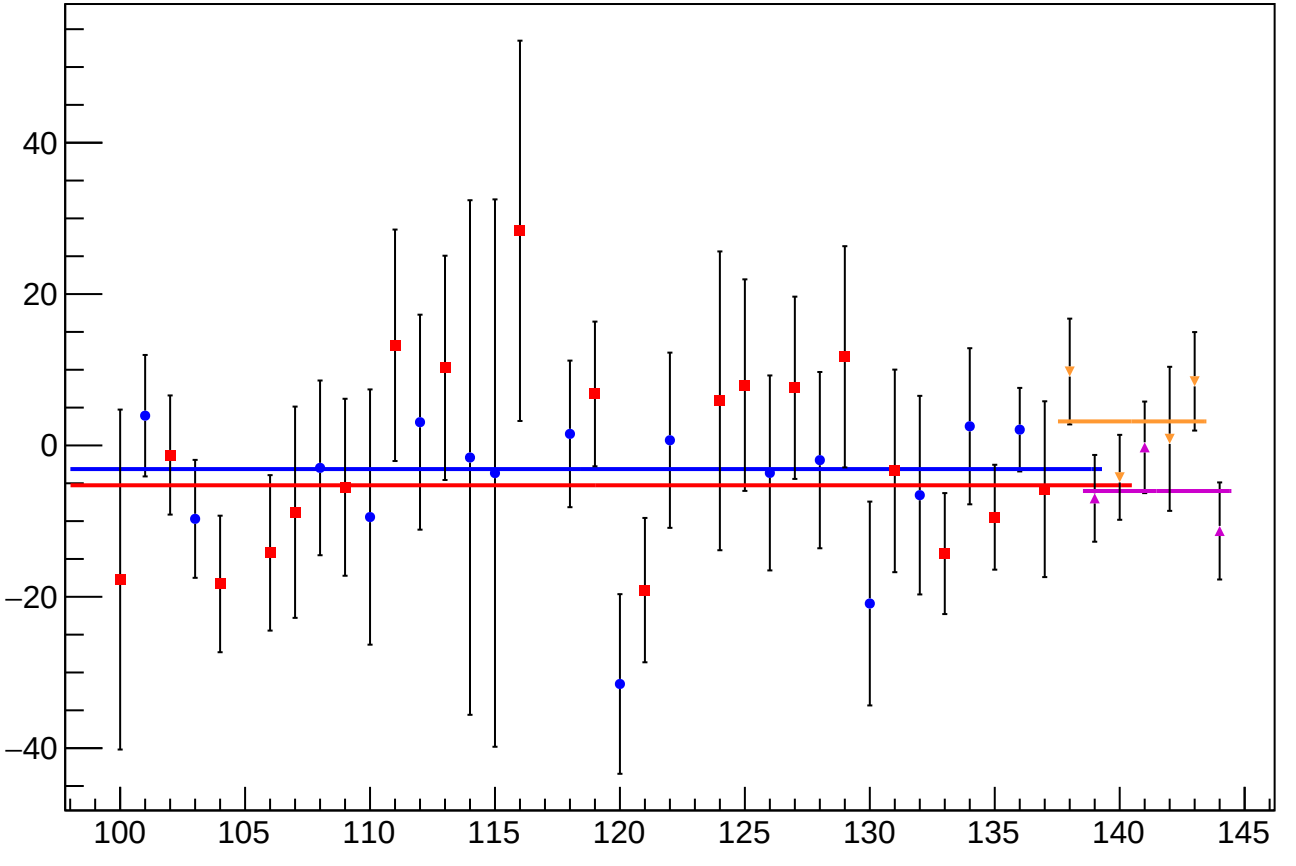
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10247.422+/-2.422 χ^2/NDF:1647267.1/18

Out: 10056.400+/-2.330 χ^2/NDF:1929301.5/22

All: 10148.230+/-1.679 χ^2/NDF: 3579799.6/4

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.175+/-3.393 χ^2/NDF:3.3/3

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -6.022+/-3.491 χ^2/NDF:1.6/2

Left: -1.292+/-2.433 χ^2/NDF: 8.5/6

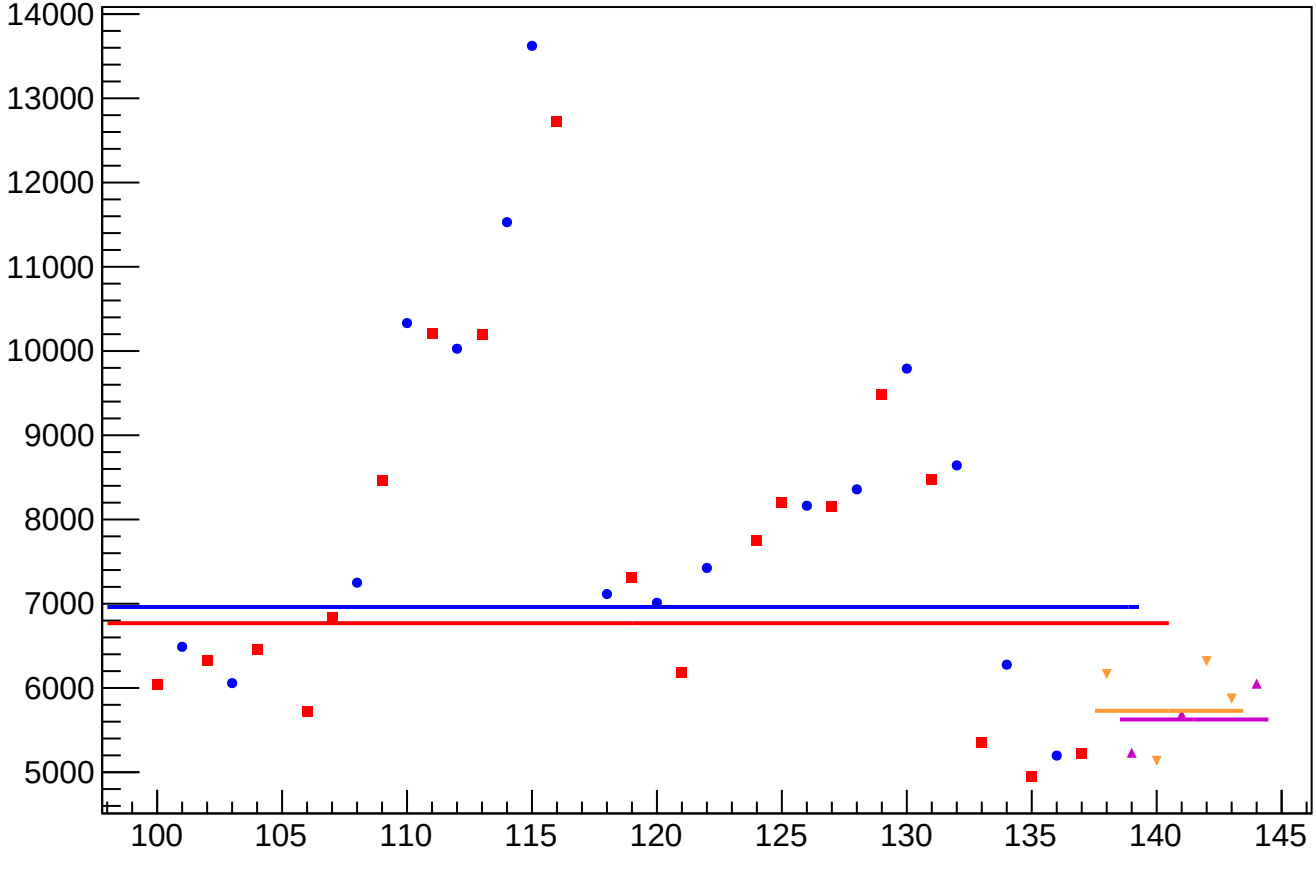
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -4.186+/-2.114 χ^2/NDF:12.9/18

Out: -2.213+/-2.040 χ^2/NDF:24.2/22

All: -3.165+/-1.468 χ^2/NDF: 37.6/41

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5728.640+/-2.399 χ^2/NDF:38863.0/3

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5625.689+/-2.468 χ^2/NDF:18493.2/2

Left: 5678.631+/-1.720 χ^2/NDF: 58250.8/6

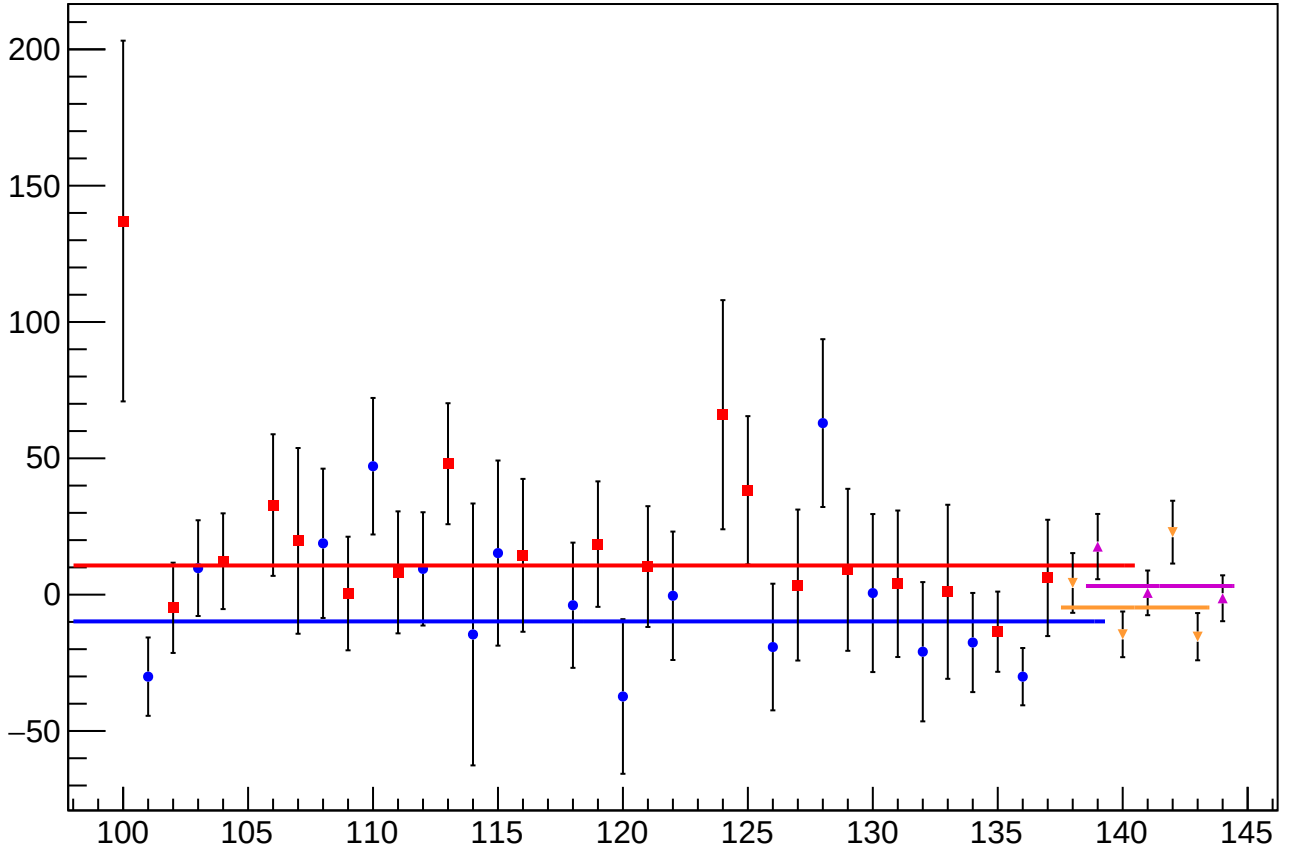
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6471.845+/-1.494 χ^2/NDF:900447.2/18

Out: 6392.844+/-1.442 χ^2/NDF:957042.8/22

All: 6430.945+/-1.038 χ^2/NDF: 1858936.6/41

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -4.706+/-4.797 χ^2/NDF:9.3/3

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 3.173+/-5.271 χ^2/NDF:1.8/2

Left: -1.137+/-3.548 χ^2/NDF: 12.4/6

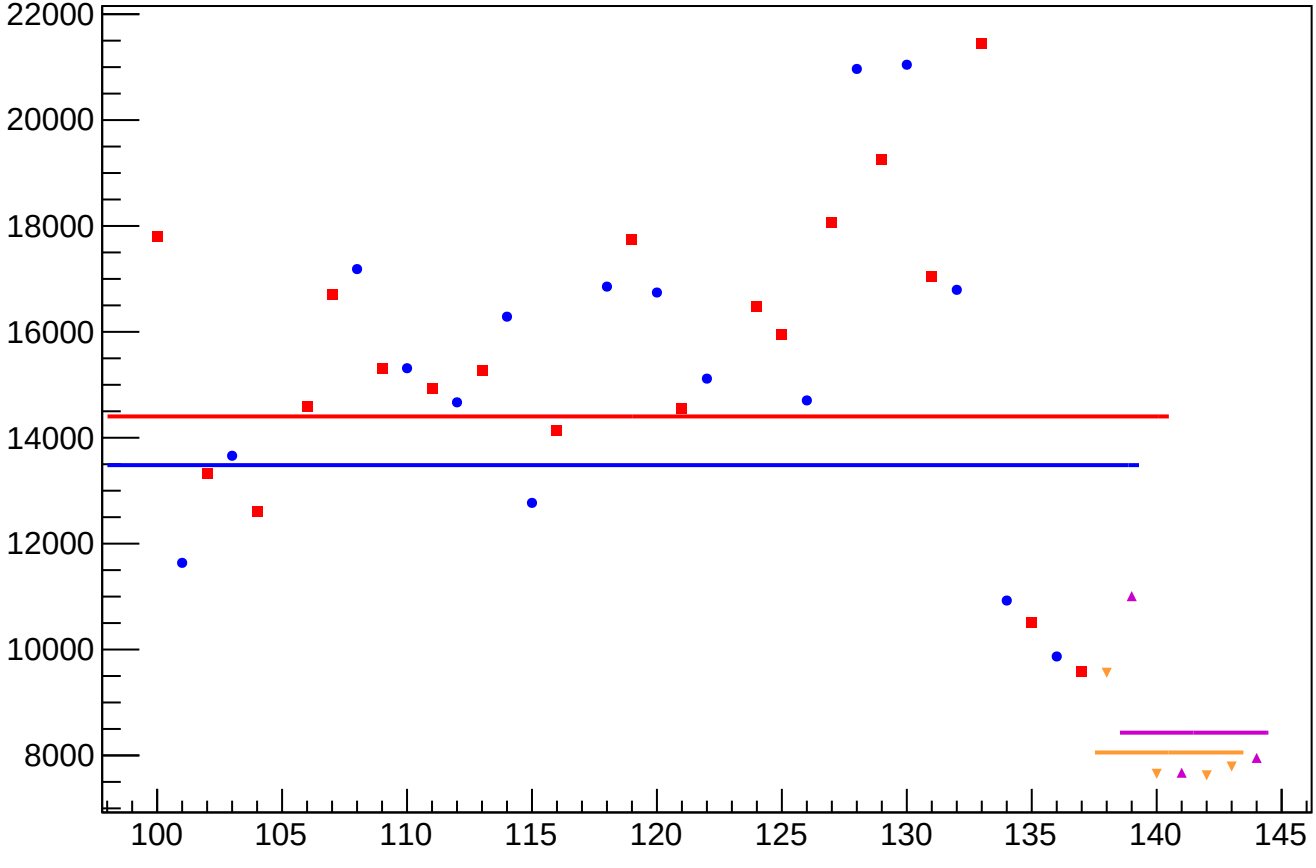
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -3.434+/-3.694 χ^2/NDF:27.0/18

Out: 2.118+/-3.581 χ^2/NDF:28.2/22

All: -0.572+/-2.571 χ^2/NDF: 56.4/41

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8055.816+/-3.392 χ^2/NDF:47079.3/3

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8430.175+/-3.727 χ^2/NDF:116267.3/2

Left: 8225.402+/-2.509 χ^2/NDF: 168864.2/6

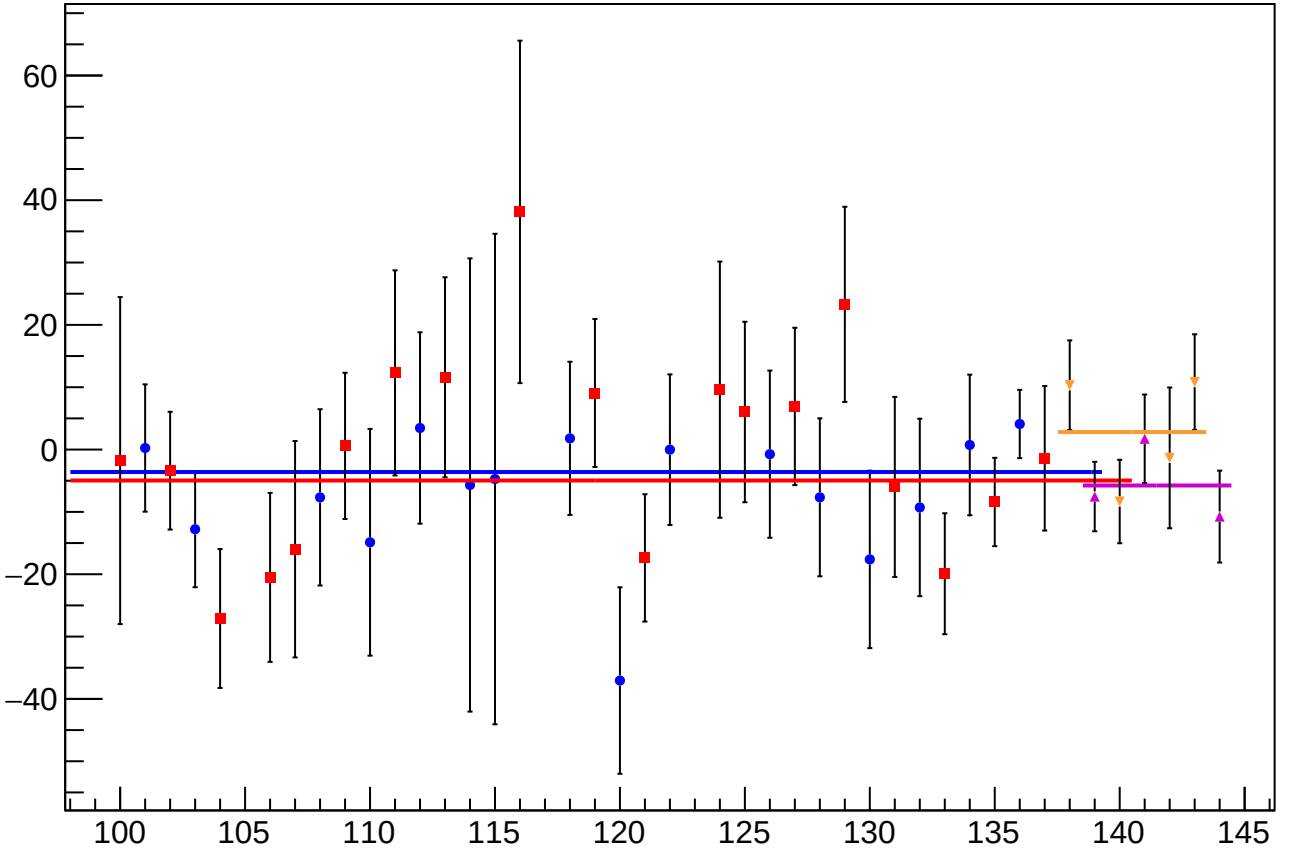
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 11001.639+/-2.612 χ^2/NDF:1795137.4/18

Out: 10866.596+/-2.532 χ^2/NDF:2149934.8/22

All: 10932.015+/-1.818 χ^2/NDF: 3946450.2/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.807+/-3.879 χ^2/NDF:5.1/3

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -5.765+/-3.766 χ^2/NDF:1.7/2

Left: -1.605+/-2.702 χ^2/NDF: 9.3/6

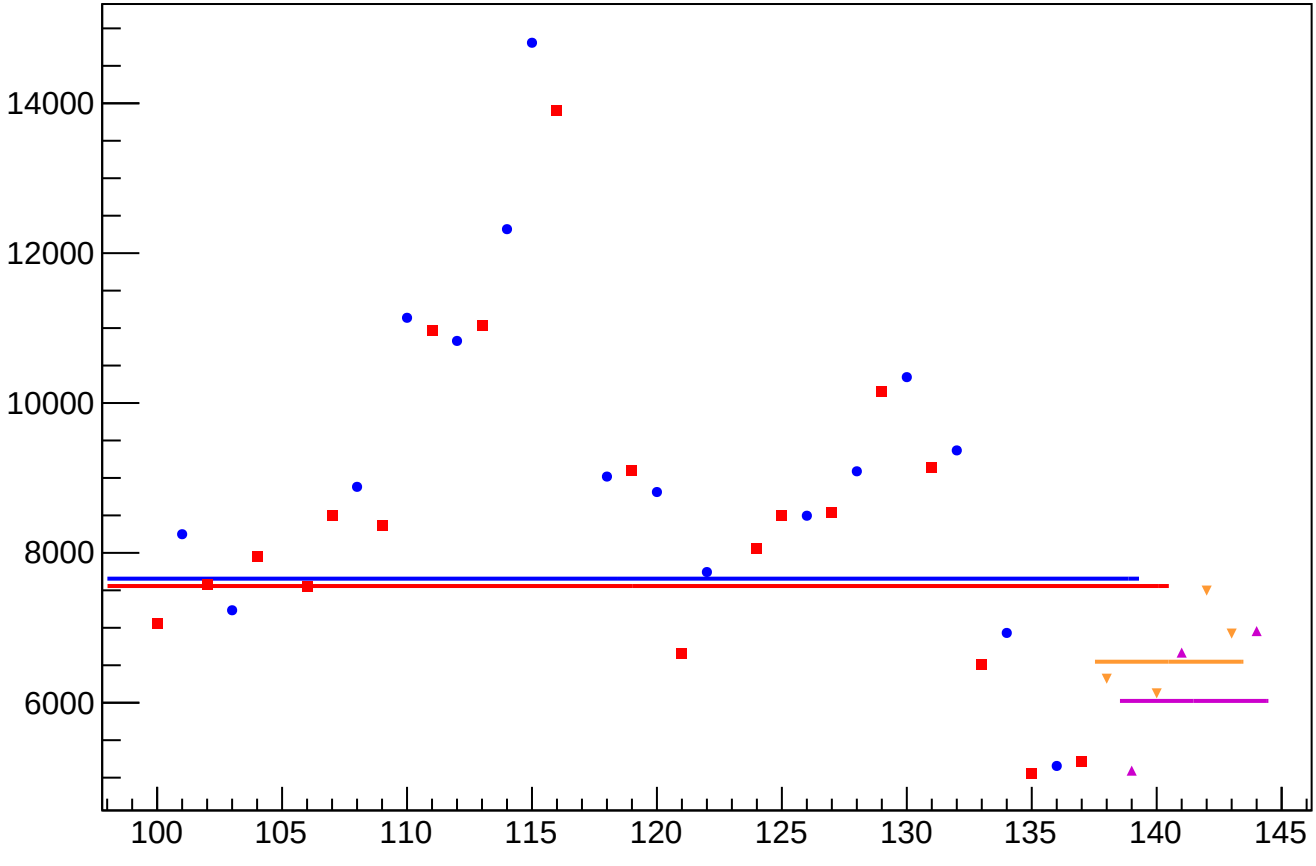
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -4.423+/-2.317 χ^2/NDF:12.4/18

Out: -2.233+/-2.299 χ^2/NDF:29.1/22

All: -3.320+/-1.632 χ^2/NDF: 41.9/41

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6547.377+/-2.743 χ^2/NDF:28875.3/3

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6024.140+/-2.663 χ^2/NDF:104336.1/2

Left: 6278.037+/-1.910 χ^2/NDF: 151948.2/6

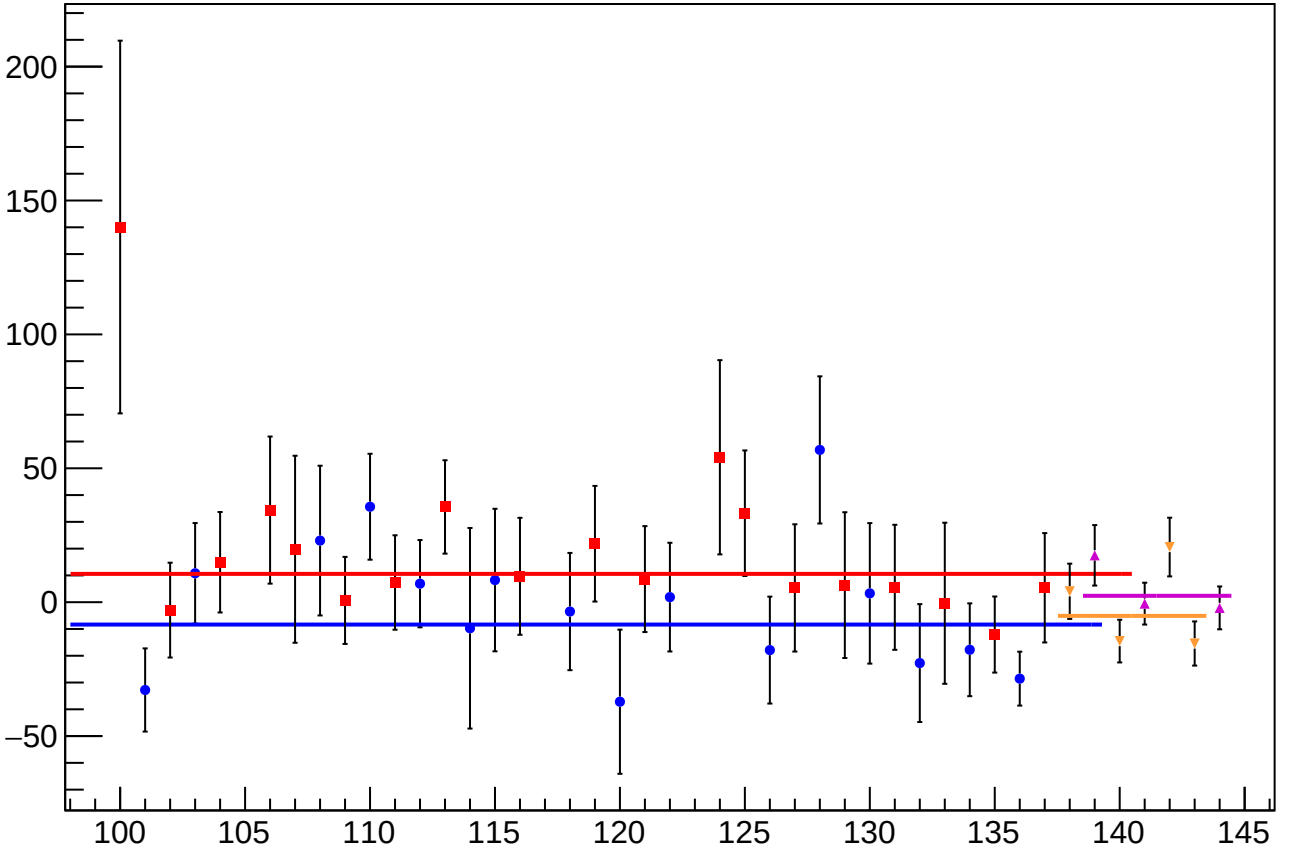
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7037.927+/-1.639 χ^2/NDF:1217413.9/18

Out: 7202.444+/-1.626 χ^2/NDF:926709.5/22

All: 7120.822+/-1.154 χ^2/NDF: 2149202.5/41

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -5.111+/-4.556 χ^2/NDF:9.3/3

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 2.385+/-5.009 χ^2/NDF:2.3/2

Left: -1.717+/-3.370 χ^2/NDF: 12.7/6

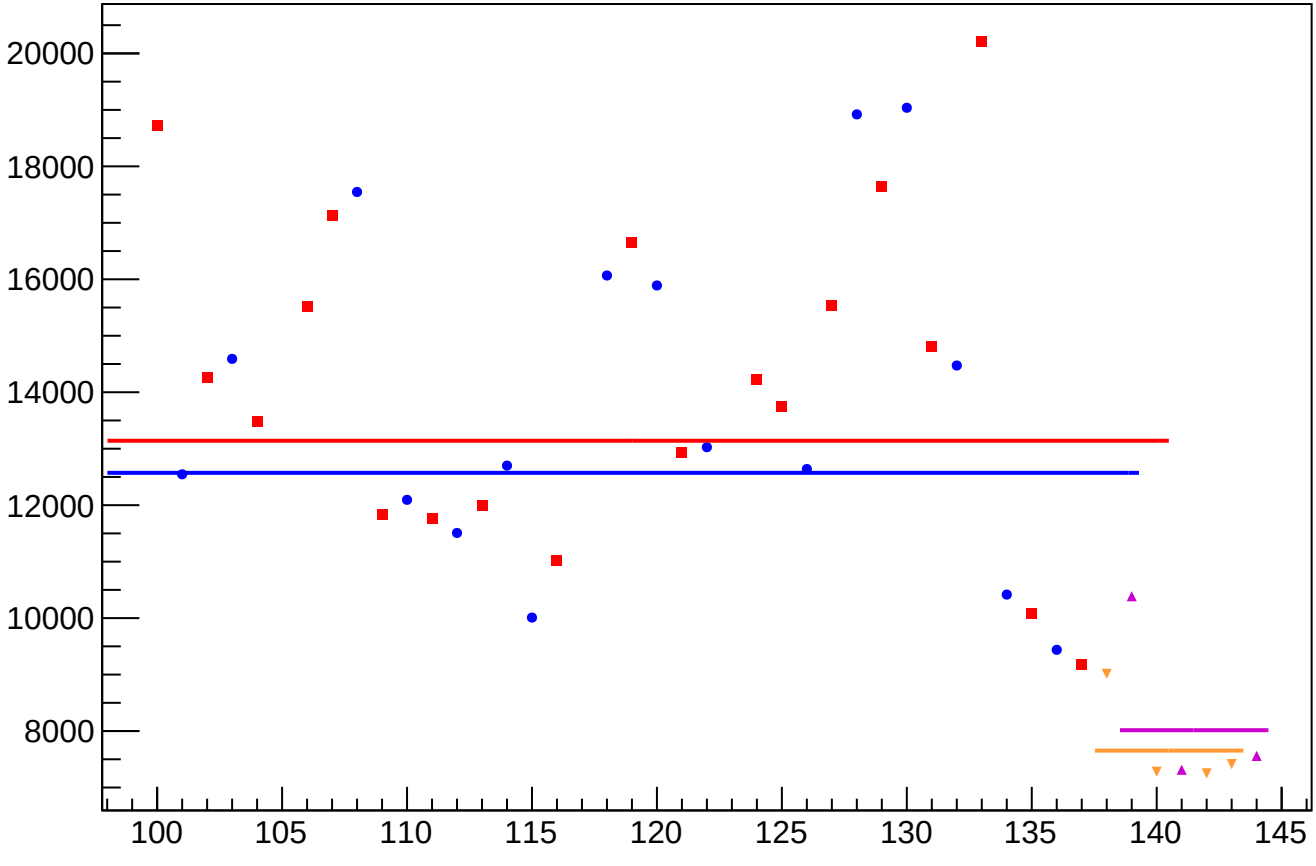
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -3.197+/-3.471 χ^2/NDF:27.9/18

Out: 2.144+/-3.340 χ^2/NDF:27.6/22

All: -0.424+/-2.407 χ^2/NDF: 56.8/41

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7653.977+/-3.222 χ^2/NDF:43433.4/3

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8014.876+/-3.542 χ^2/NDF:110805.5/2

Left: 7817.375+/-2.383 χ^2/NDF: 159920.4/6

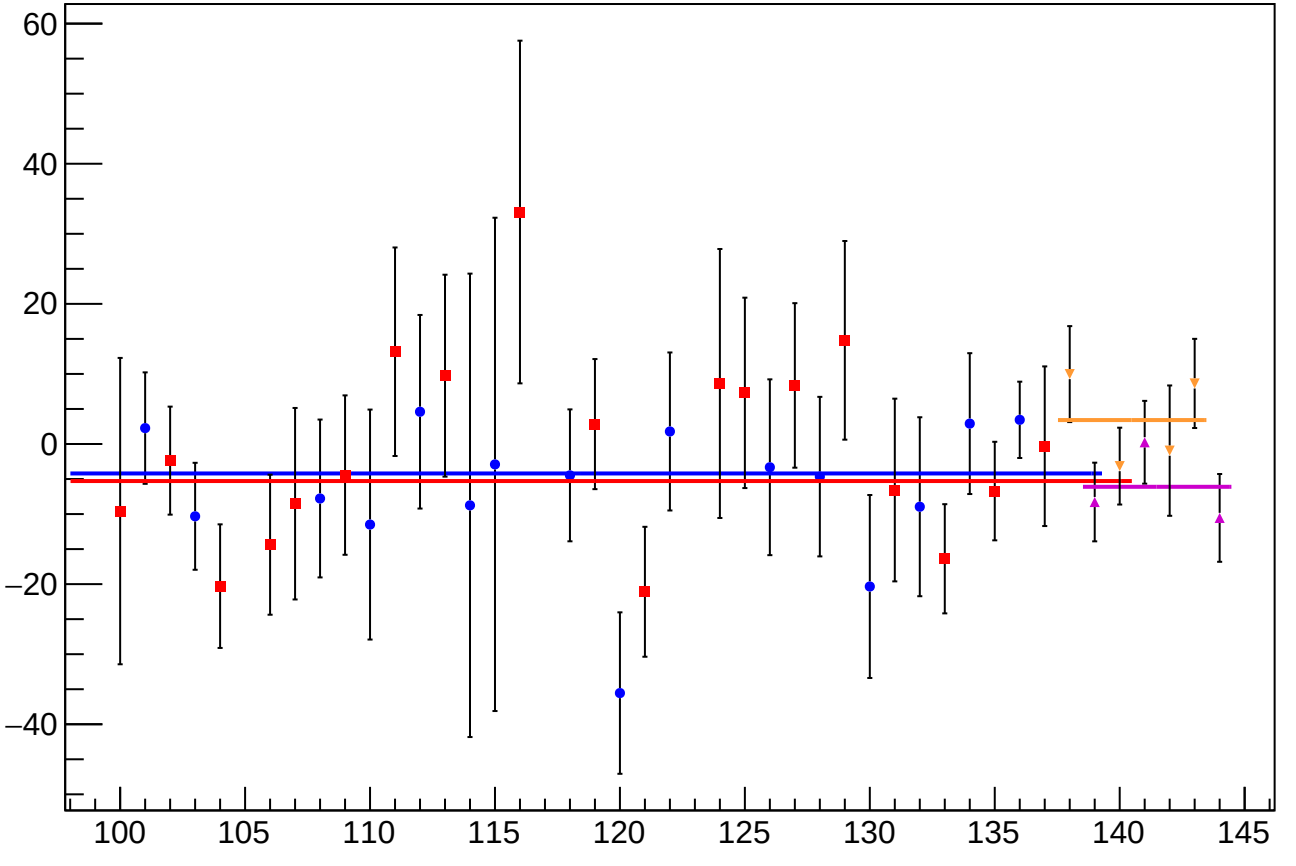
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10384.349+/-2.454 χ^2/NDF:1636637.4/18

Out: 10192.287+/-2.362 χ^2/NDF:1920086.7/22

All: 10284.631+/-1.702 χ^2/NDF: 3559903.7/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.415+/-3.318 χ^2/NDF:3.2/3

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -6.109+/-3.413 χ^2/NDF:1.8/2

Left: -1.212+/-2.379 χ^2/NDF: 9.1/6

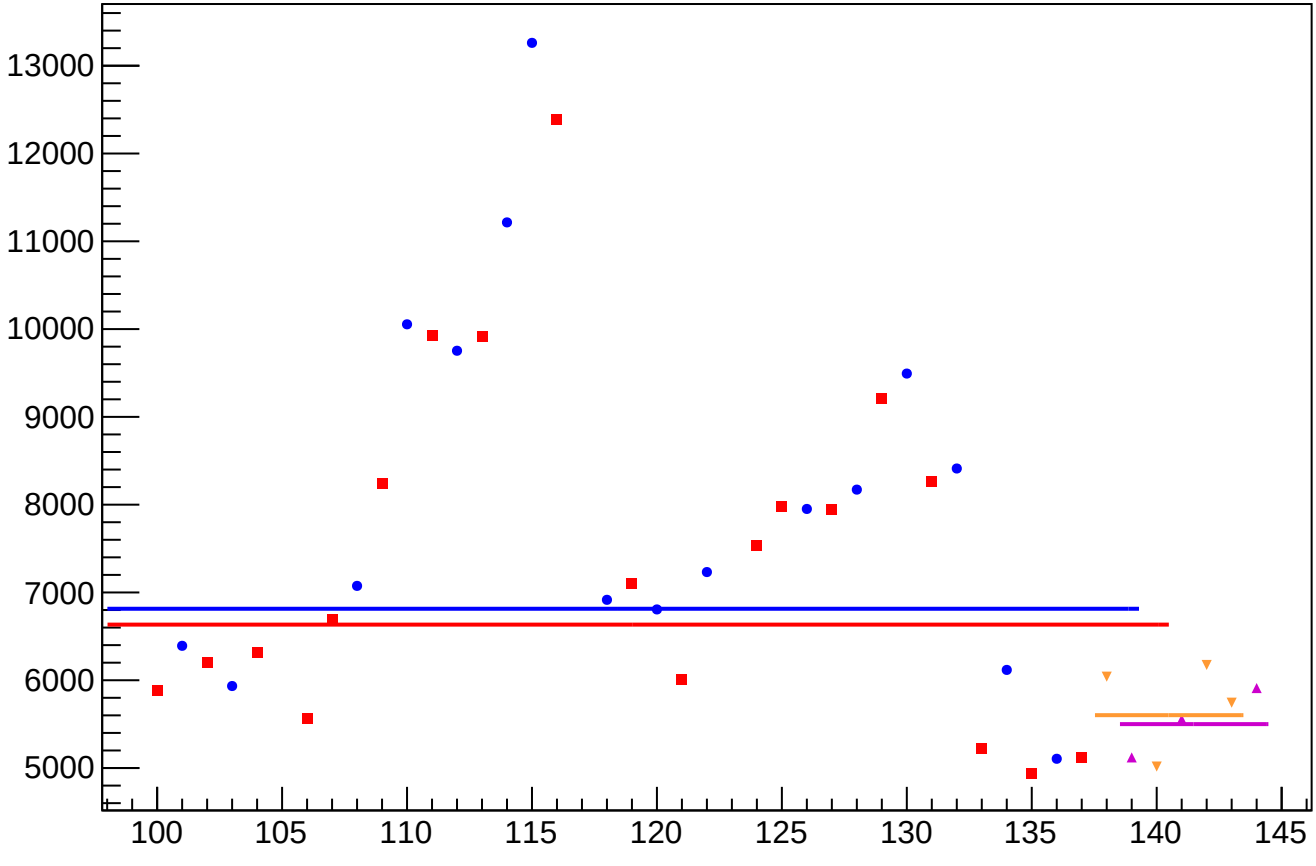
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.904+/-2.068 χ^2/NDF:15.9/18

Out: -2.133+/-1.998 χ^2/NDF:27.4/22

All: -3.470+/-1.437 χ^2/NDF: 44.2/41

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5602.235+/-2.346 χ^2/NDF:39543.4/3

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5500.295+/-2.413 χ^2/NDF:17898.5/2

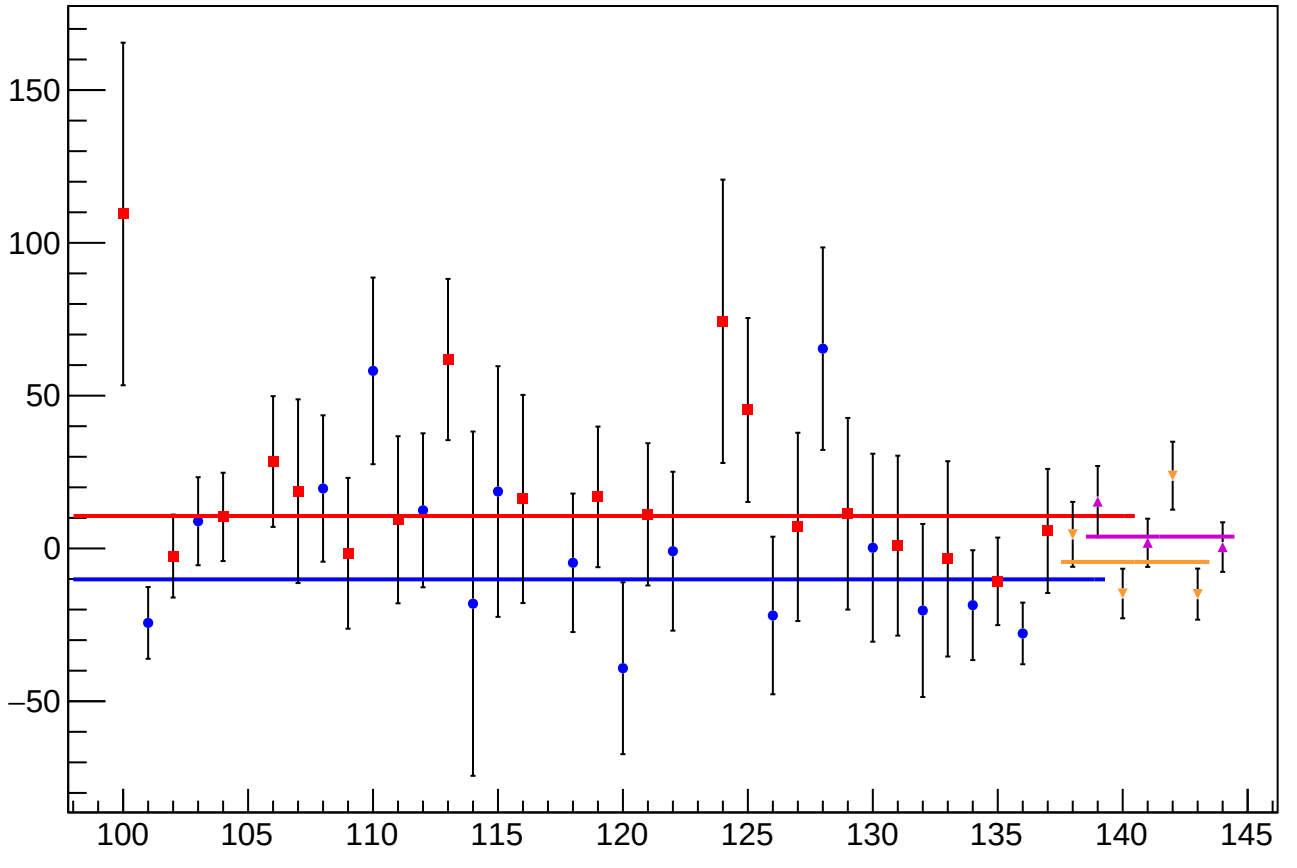
Left: 5552.703+/-1.682 χ^2/NDF: 58359.2/6

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6331.642+/-1.463 χ^2/NDF:879569.0/18

Out: 6259.776+/-1.413 χ^2/NDF:926111.1/22

All: 6294.460+/-1.016 χ^2/NDF: 1806929.3/41



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -4.405+/-4.639 χ^2/NDF:10.4/3

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 3.874+/-5.090 χ^2/NDF:1.2/2

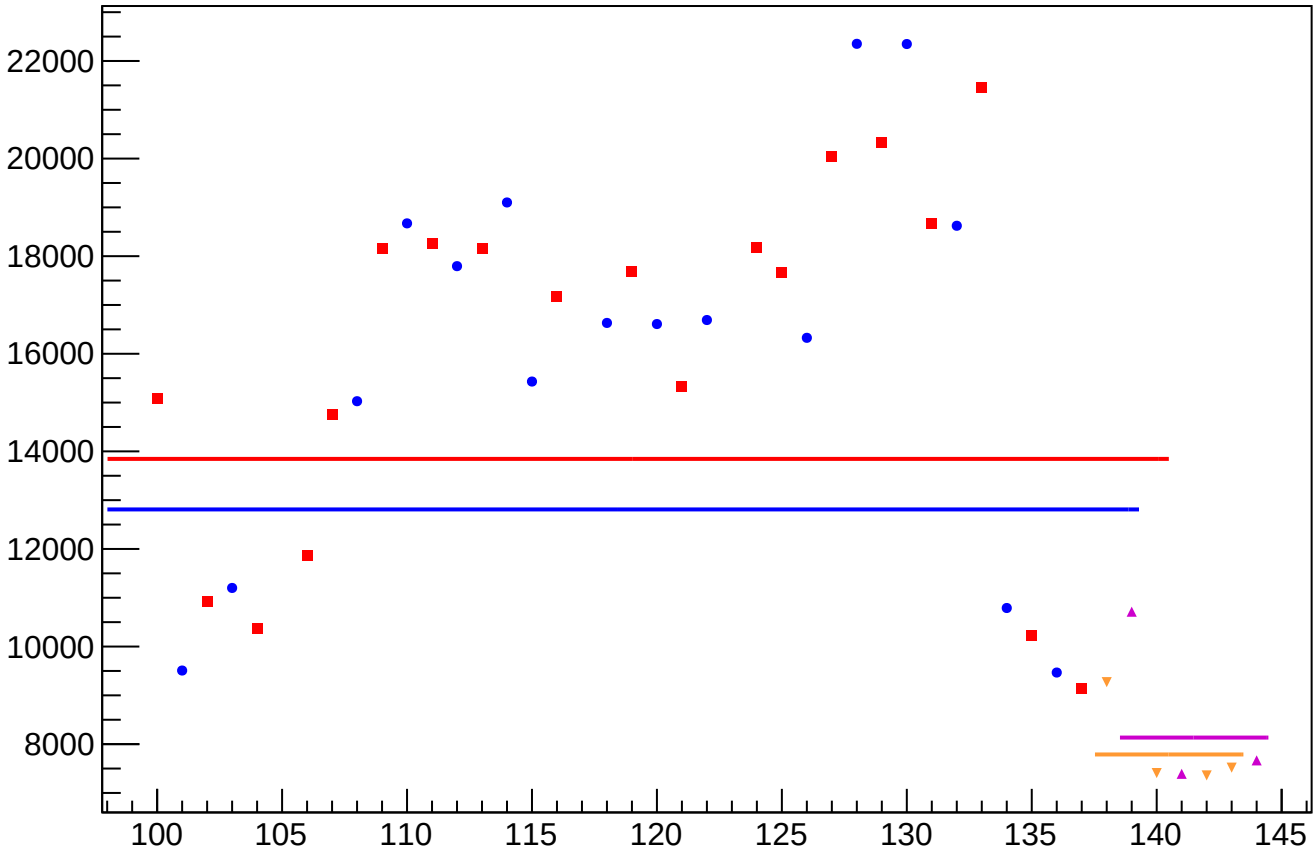
Left: -0.648+/-3.429 χ^2/NDF: 13.0/6

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -3.220+/-3.573 χ^2/NDF:26.3/18

Out: 2.147+/-3.484 χ^2/NDF:29.7/22

All: -0.469+/-2.494 χ^2/NDF: 57.2/41



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7788.554+/-3.280 χ^2/NDF:48416.1/3

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8134.696+/-3.599 χ^2/NDF:122391.0/2

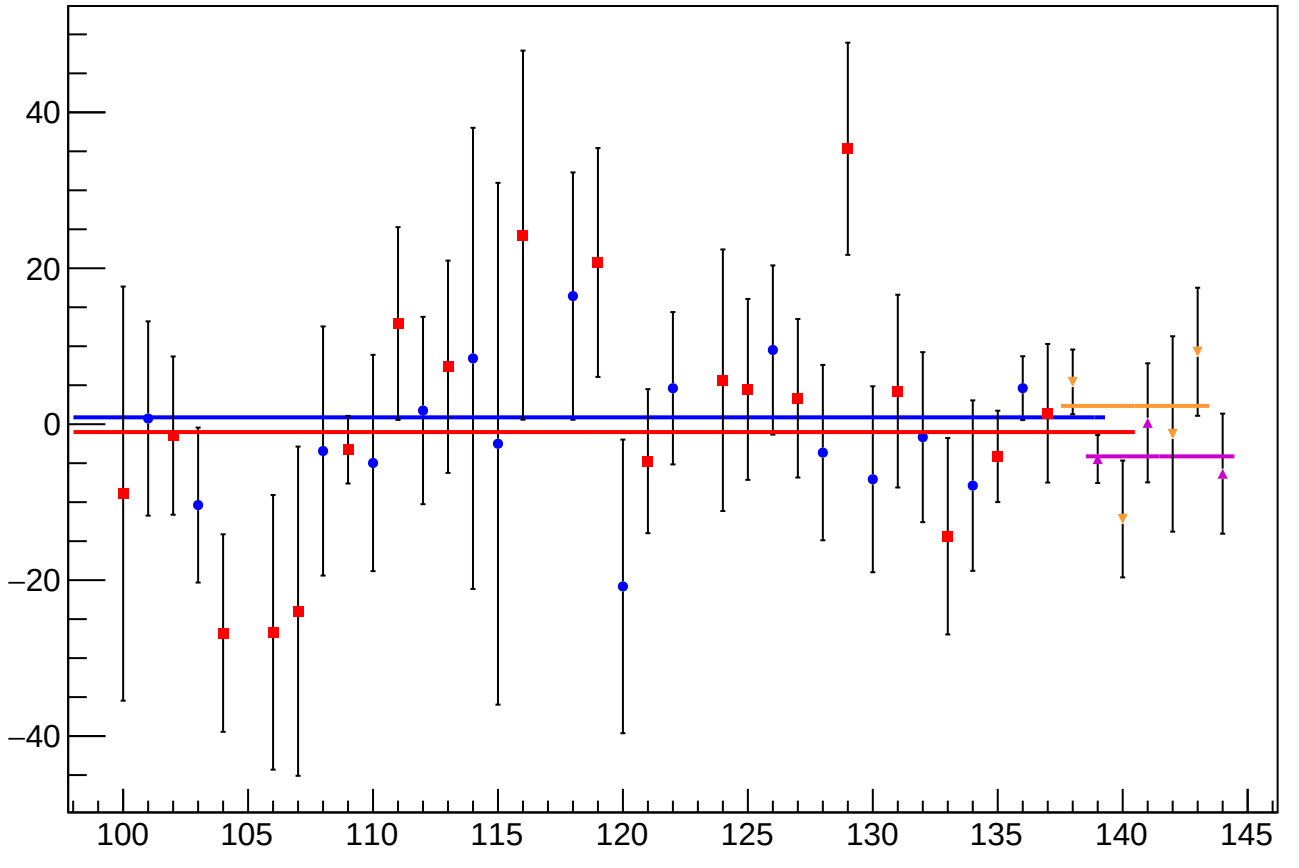
Left: 7945.619+/-2.424 χ^2/NDF: 175859.6/6

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 10505.929+/-2.527 χ^2/NDF:2226493.7/18

Out: 10429.174+/-2.464 χ^2/NDF:2631408.0/22

All: 10466.583+/-1.764 χ^2/NDF: 4858374.8/4



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.347+/-3.212 χ^2/NDF:5.1/3

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -4.124+/-2.673 χ^2/NDF:0.4/2

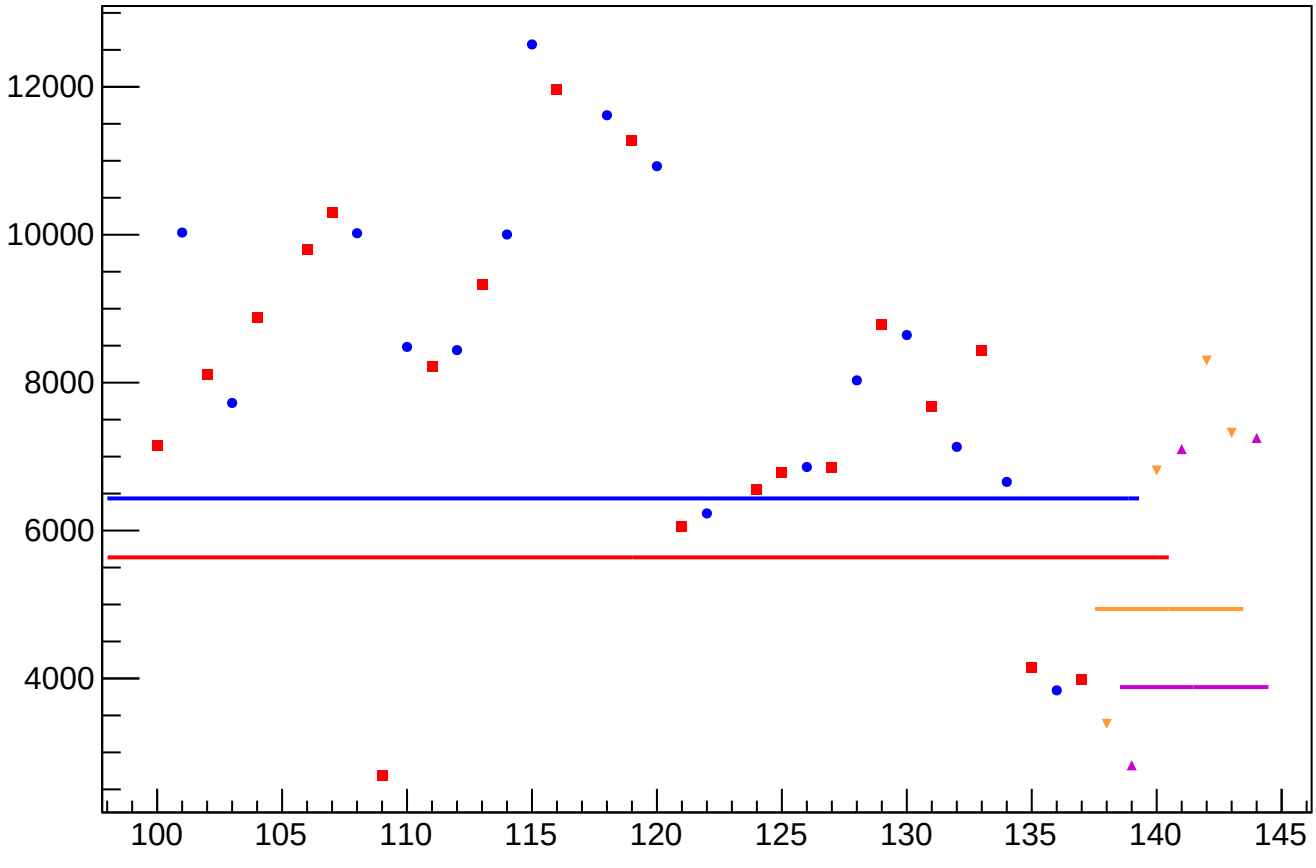
Left: -1.476+/-2.055 χ^2/NDF: 7.9/6

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.519+/-1.851 χ^2/NDF:9.1/18

Out: 0.140+/-1.877 χ^2/NDF:28.1/22

All: -0.701+/-1.318 χ^2/NDF: 37.6/41



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4940.215+/-2.271 χ^2/NDF:716340.4/3

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 3882.981+/-1.890 χ^2/NDF:975287.0/2

Left: 4315.636+/-1.453 χ^2/NDF: 1819655.8/6

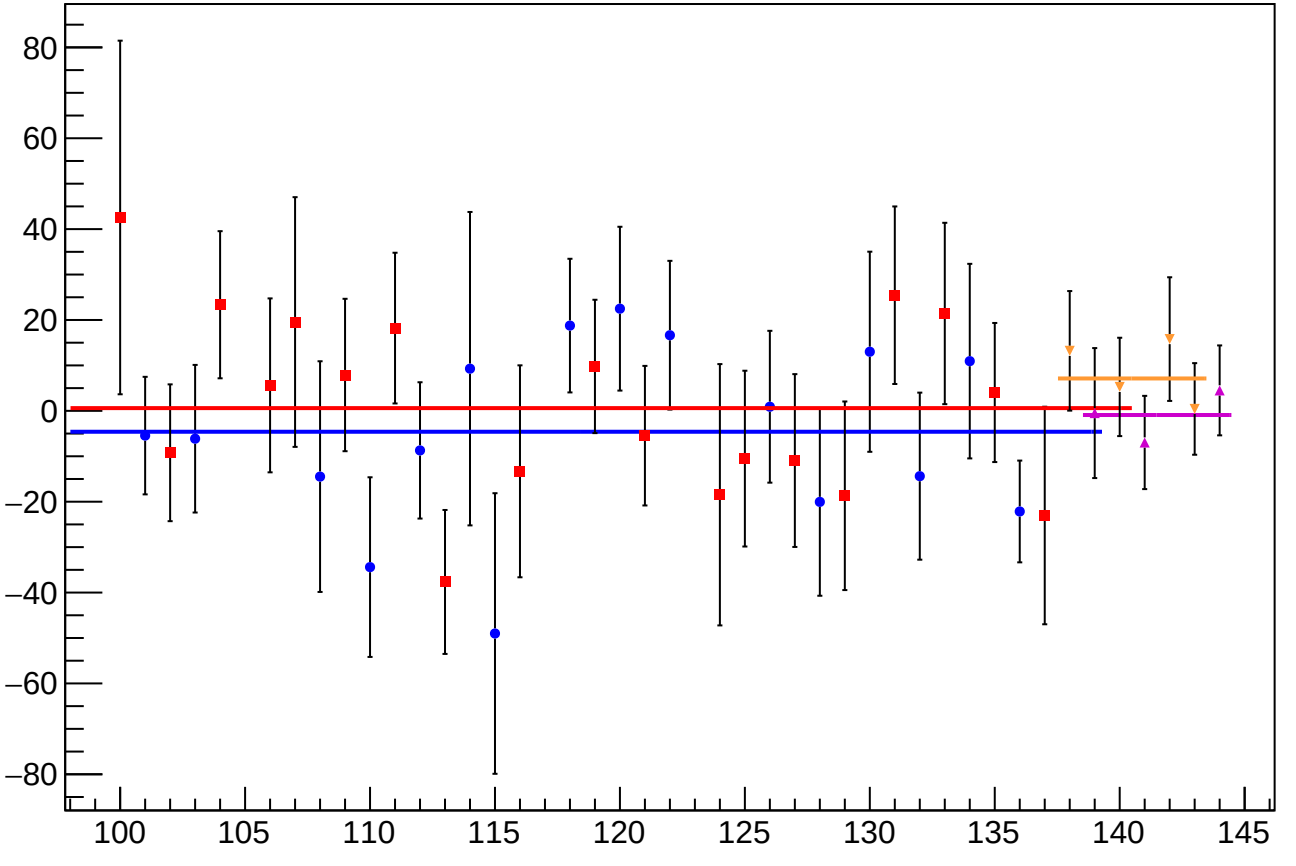
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5210.881+/-1.309 χ^2/NDF:3674244.9/18

Out: 5399.142+/-1.328 χ^2/NDF:3358384.3/22

All: 5303.688+/-0.932 χ^2/NDF: 7042826.1/41

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.127+/-5.817 χ^2/NDF:1.1/3

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.917+/-6.377 χ^2/NDF:0.6/2

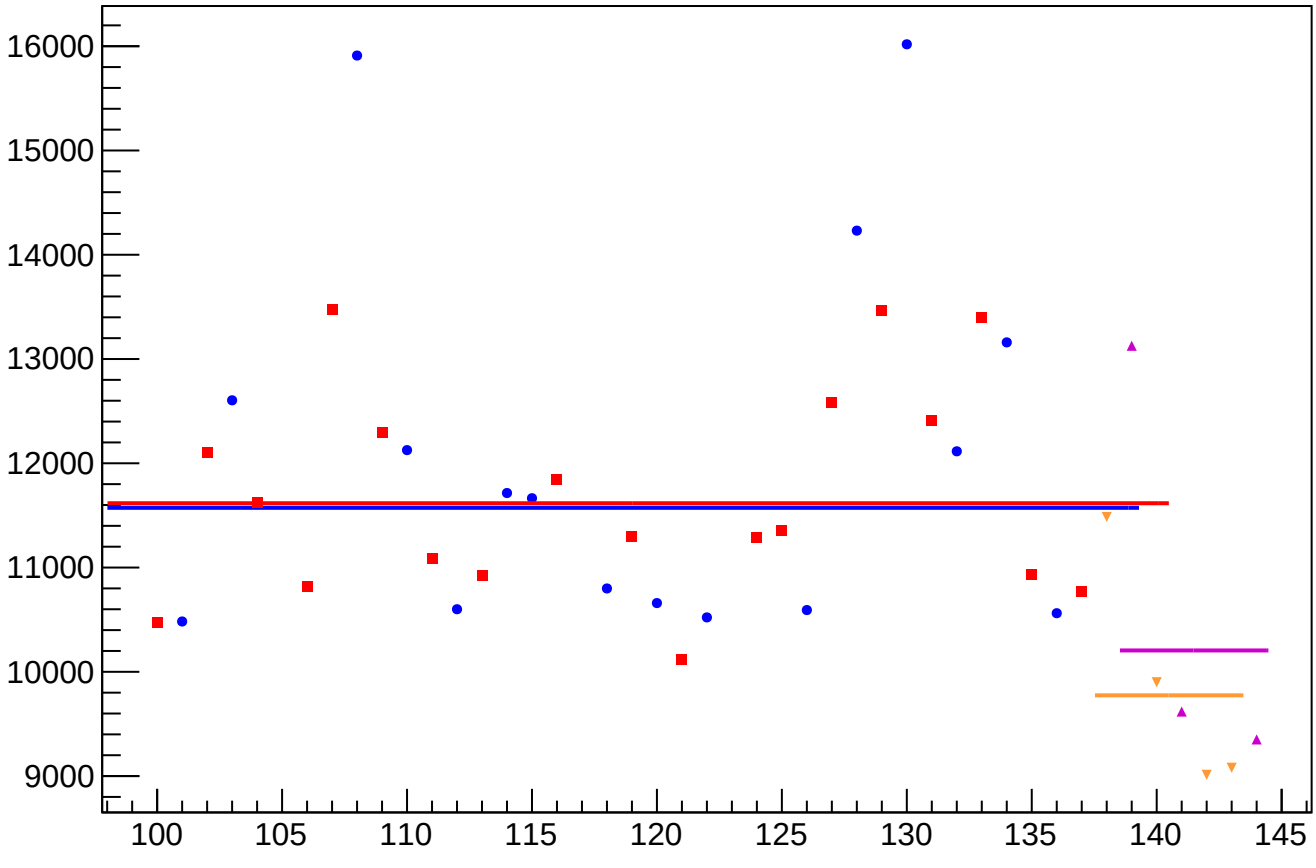
Left: 3.473+/-4.298 χ^2/NDF: 2.6/6

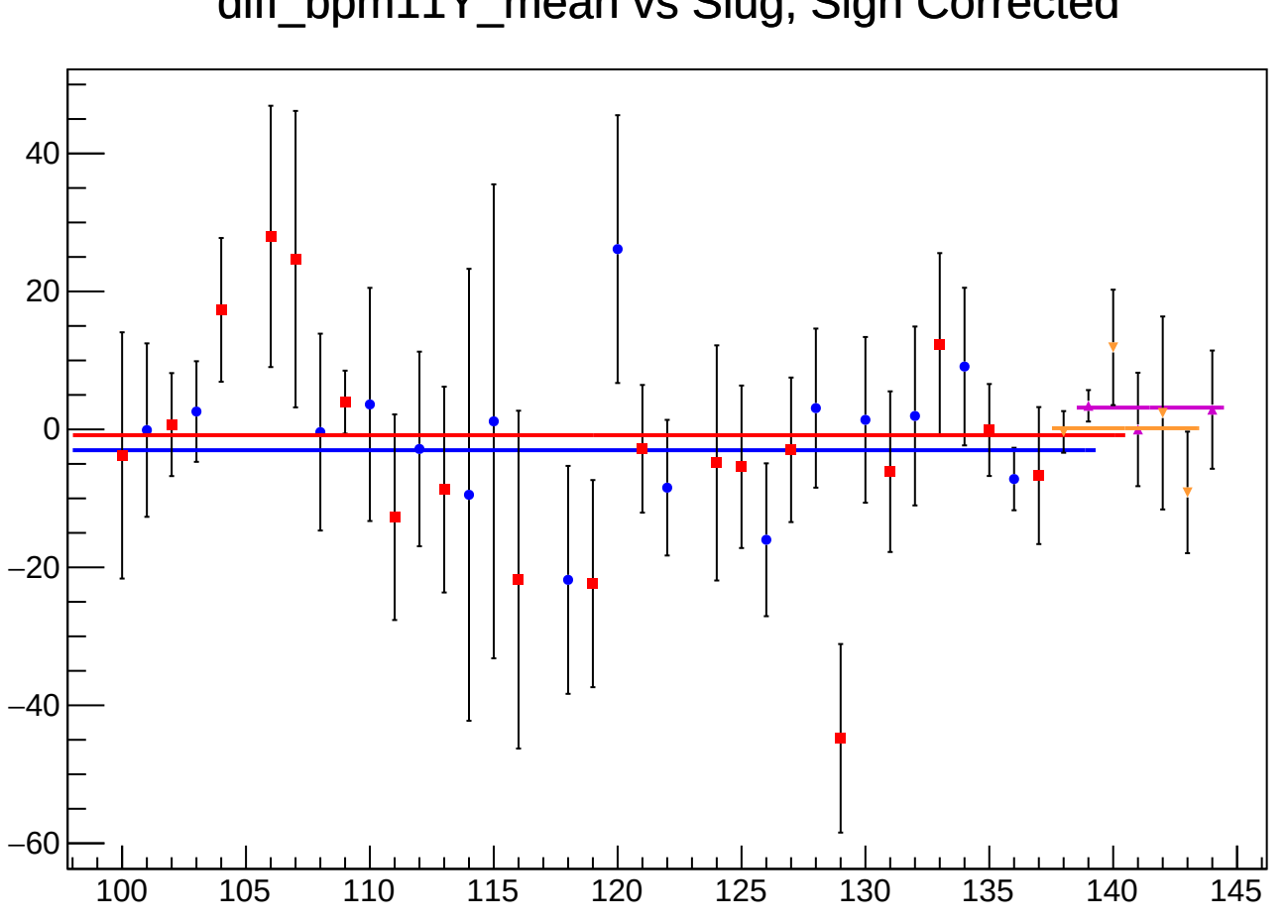
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -3.430+/-3.596 χ^2/NDF:16.7/18

Out: 2.883+/-3.440 χ^2/NDF:19.8/22

All: -0.134+/-2.486 χ^2/NDF: 38.1/41


diff_bpm11X_rms vs Slug, Sign Corrected
16000
15000
14000
13000
12000
11000
10000
9000
100
105
110
115
120
125
130
135
140
145
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 9774.471+/-4.113 χ²/NDF:49834.8/3
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 10204.915+/-4.509 χ²/NDF:104841.1/2
Left: 9969.977+/-3.039 χ²/NDF: 159649.3/6
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11137.972+/-2.543 χ²/NDF:427690.4/18
Out: 10972.407+/-2.433 χ²/NDF:273431.3/22
All: 11051.525+/-1.758 χ²/NDF: 703335.1/41



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.173+/-2.653 χ^2/NDF:3.1/3

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.159+/-2.128 χ^2/NDF:0.2/2

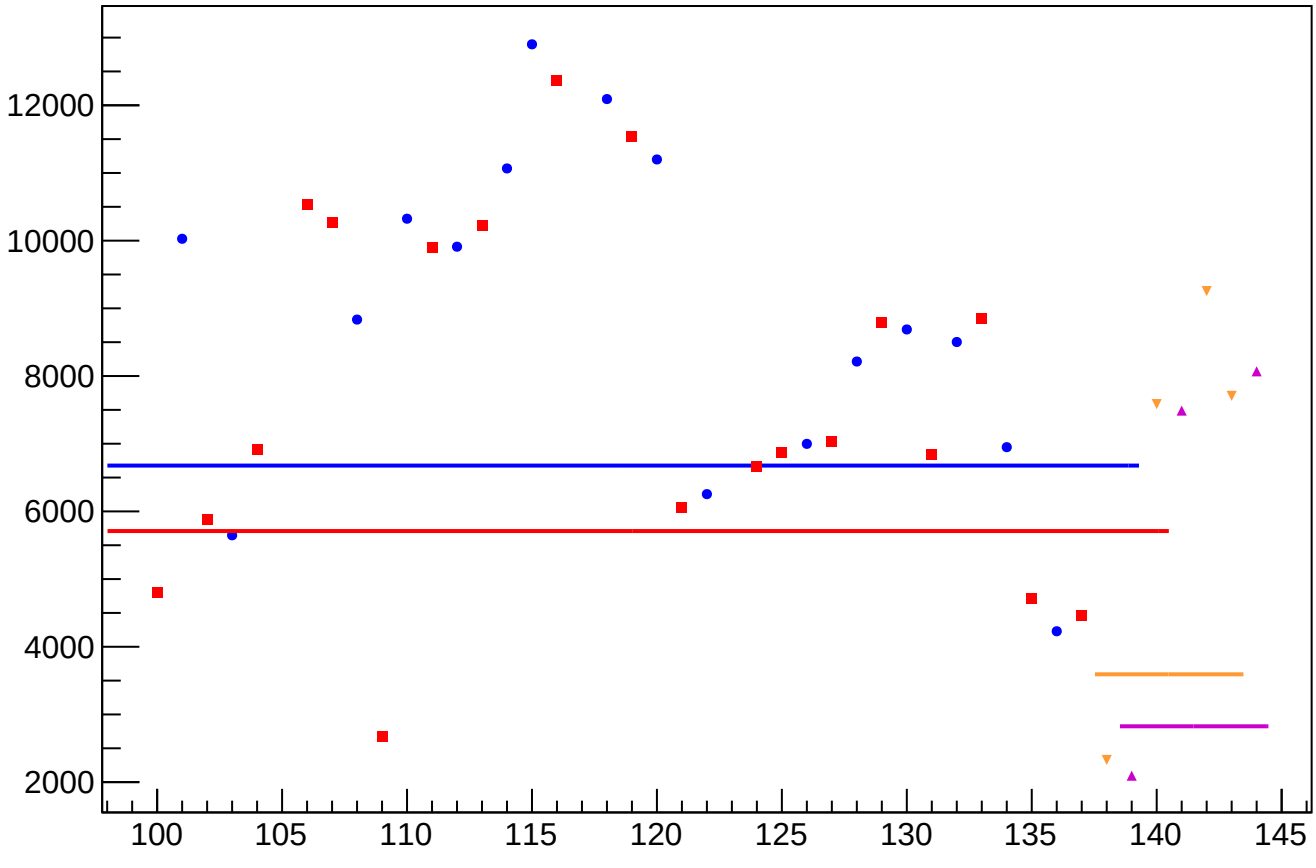
Left: 1.989+/-1.660 χ^2/NDF: 4.1/6

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.743+/-1.660 χ^2/NDF:12.1/18

Out: -0.389+/-1.760 χ^2/NDF:27.0/22

All: 0.210+/-1.208 χ^2/NDF: 39.4/41



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3593.130+/-1.876 χ^2/NDF:1570792.7/3

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 2825.034+/-1.505 χ^2/NDF:1597102.2/2

Left: 3125.850+/-1.174 χ^2/NDF: 3269907.6/6

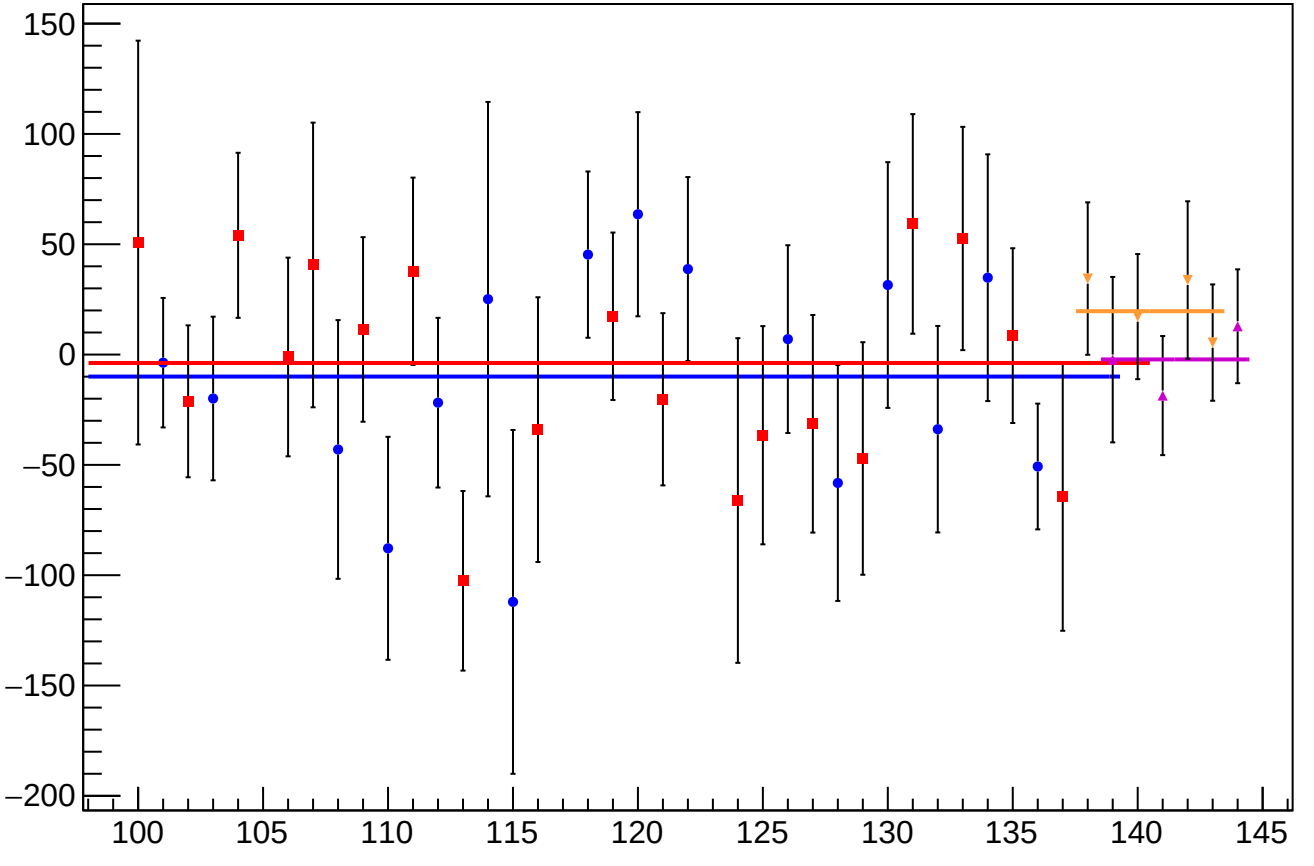
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4332.691+/-1.174 χ^2/NDF:5733934.8/18

Out: 4778.360+/-1.244 χ^2/NDF:4584884.3/22

All: 4542.595+/-0.854 χ^2/NDF: 10386684.0/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.204+/-16.699 χ^2/NDF:0.7/2

Left: 9.726+/-11.256 χ^2/NDF: 2.3/6

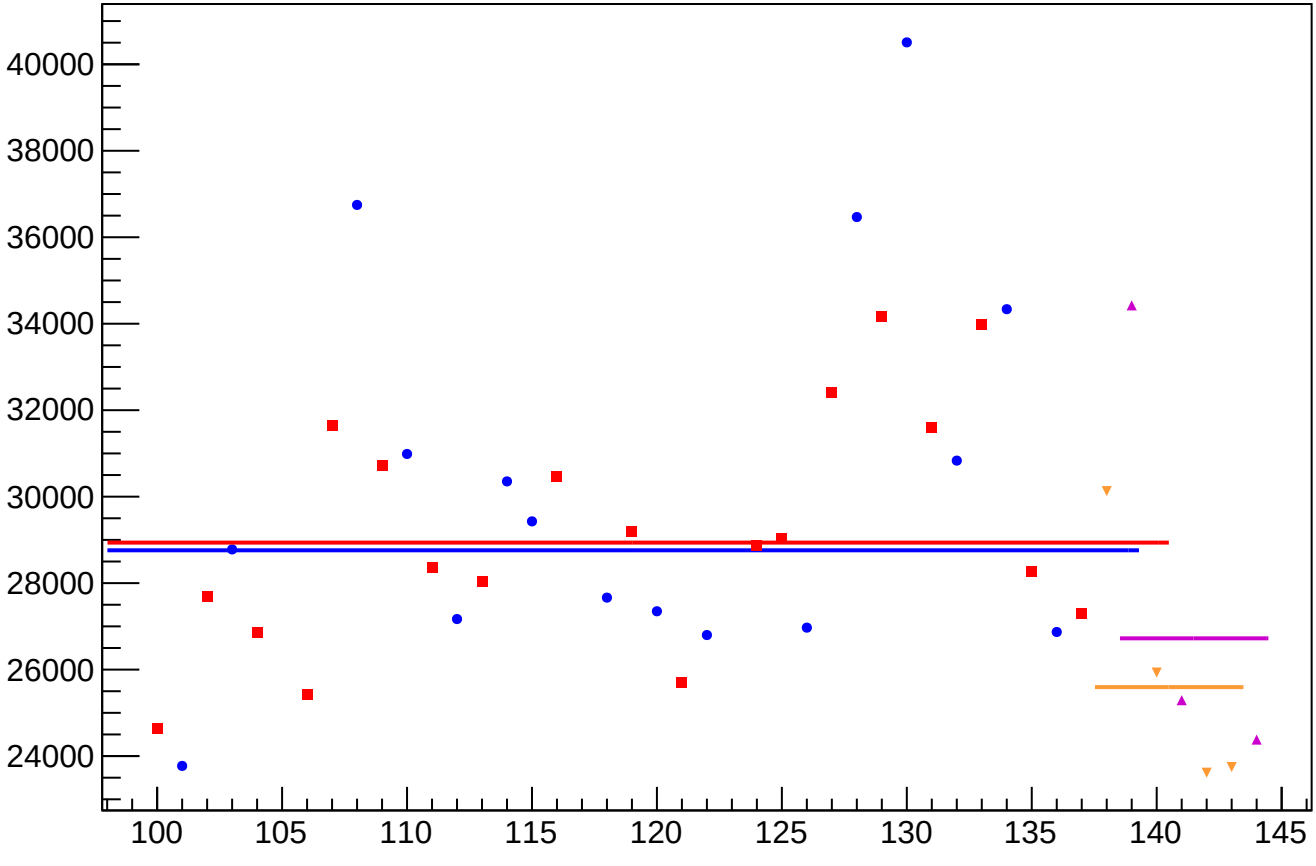
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -7.668+/-9.090 χ^2/NDF:16.2/18

Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -1.657+/-6.293 χ^2/NDF: 36.5/41

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25595.044+/-10.775 χ^2/NDF:50707.5/3

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26723.126+/-11.808 χ^2/NDF:106498.0/2

Left: 26107.586+/-7.959 χ^2/NDF: 162185.7/6

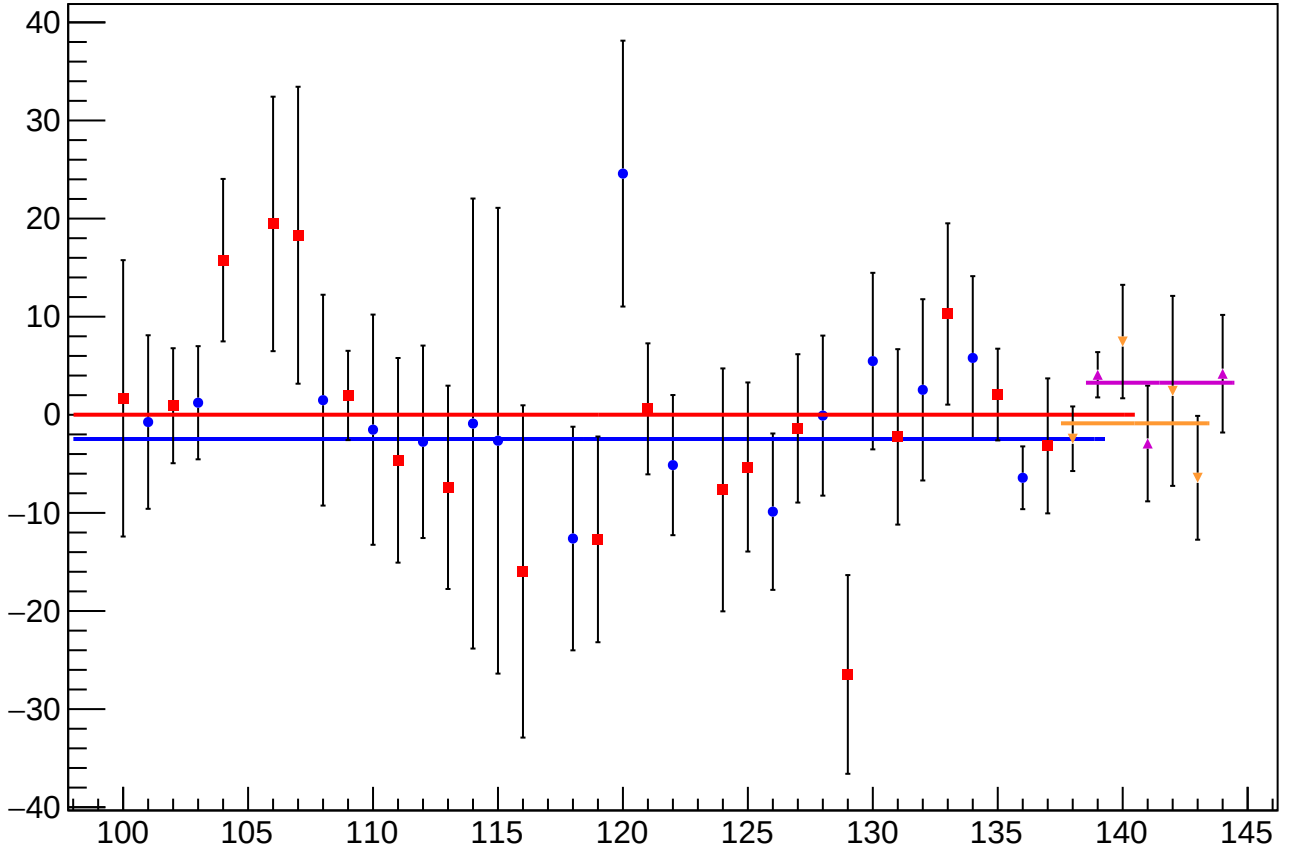
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28155.806+/-6.428 χ^2/NDF:405057.9/18

Out: 27842.605+/-6.167 χ^2/NDF:221682.3/22

All: 27992.730+/-4.450 χ^2/NDF: 627976.4/41

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.869+/-2.516 χ^2/NDF:3.2/3

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.268+/-2.024 χ^2/NDF:1.2/2

Left: 1.643+/-1.577 χ^2/NDF: 6.1/6

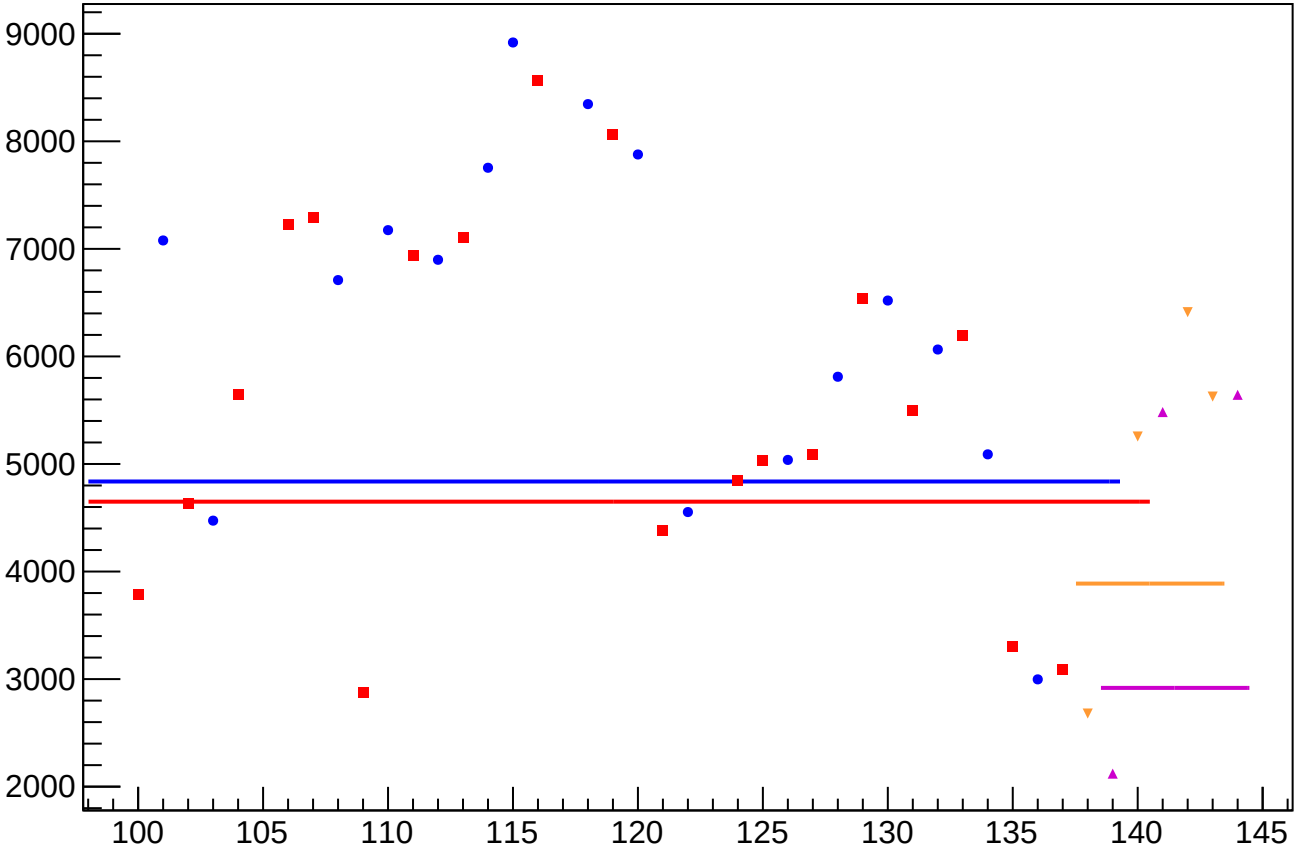
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.243+/-1.391 χ^2/NDF:15.5/18

Out: -0.294+/-1.479 χ^2/NDF:23.2/22

All: -0.009+/-1.013 χ^2/NDF: 38.8/41

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3888.027+/-1.779 χ^2/NDF:668814.6/3

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 2918.235+/-1.431 χ^2/NDF:1029714.7/2

Left: 3299.128+/-1.115 χ^2/NDF: 1878910.8/6

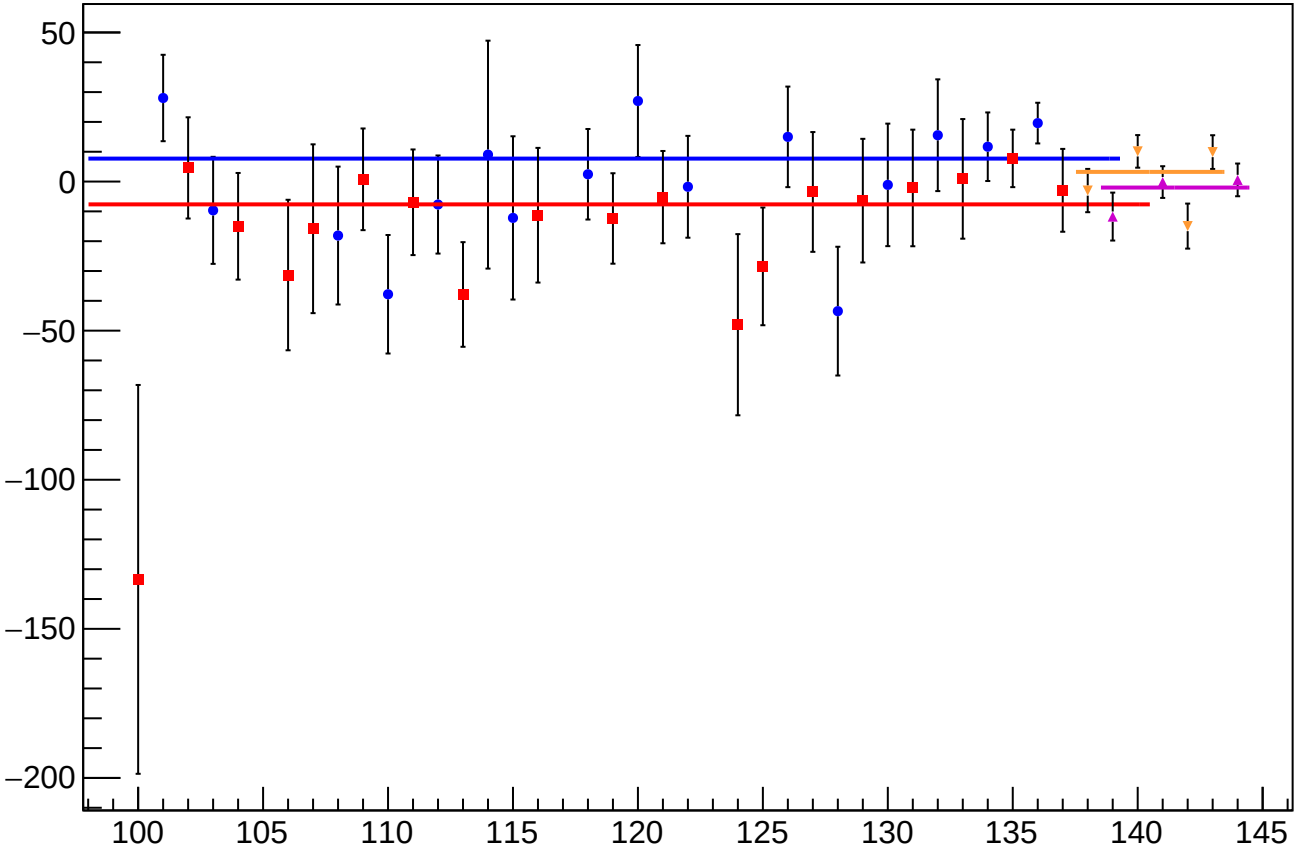
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 3930.337+/-0.984 χ^2/NDF:3525890.3/18

Out: 4386.516+/-1.046 χ^2/NDF:2223271.1/22

All: 4144.483+/-0.717 χ^2/NDF: 5850107.0/41

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 3.243+/-3.142 χ^2/NDF:9.5/3

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -2.012+/-3.448 χ^2/NDF:1.8/2

Left: 0.859+/-2.323 χ^2/NDF: 12.6/6

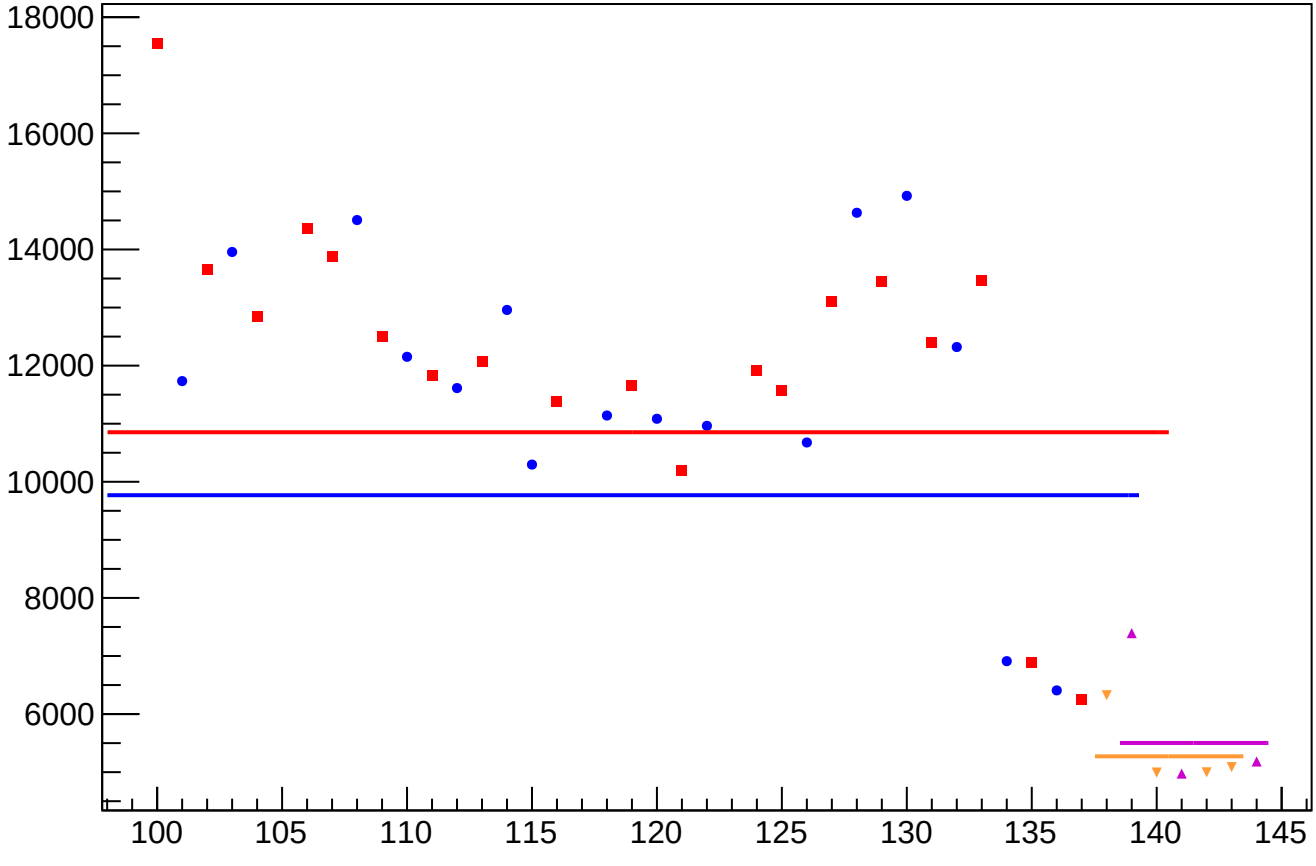
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 2.348+/-2.560 χ^2/NDF:27.0/18

Out: -0.789+/-2.494 χ^2/NDF:28.5/22

All: 0.739+/-1.786 χ^2/NDF: 56.3/41

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5272.251+/-2.222 χ^2/NDF:52061.5/3

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5502.694+/-2.438 χ^2/NDF:137090.8/2

Left: 5376.807+/-1.642 χ^2/NDF: 194032.4/6

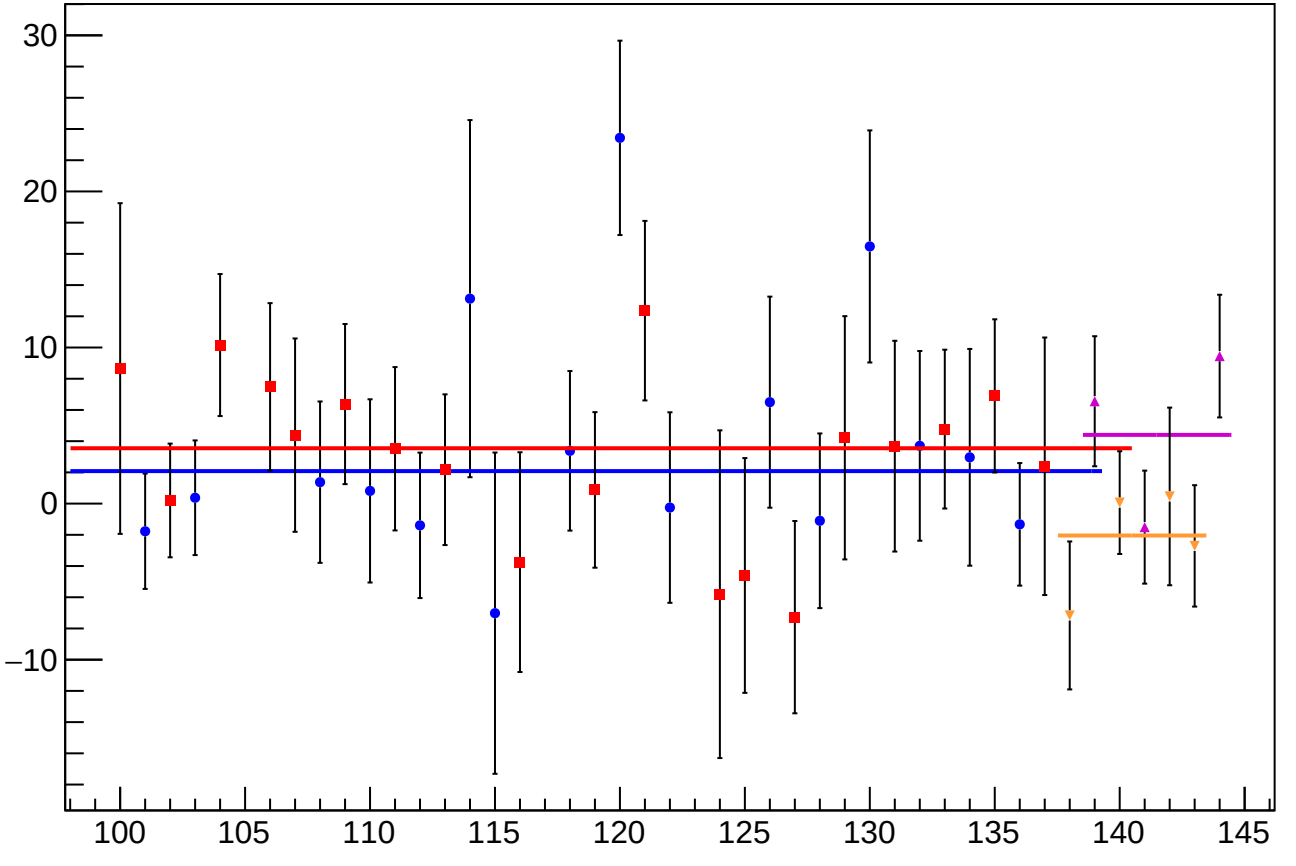
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 7418.117+/-1.810 χ^2/NDF:2725375.4/18

Out: 7337.876+/-1.763 χ^2/NDF:3261407.1/22

All: 7376.955+/-1.263 χ^2/NDF: 5987790.8/41

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.044+/-2.068 χ^2/NDF:1.8/3

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 4.402+/-2.243 χ^2/NDF:4.6/2

Left: 0.917+/-1.520 χ^2/NDF: 10.8/6

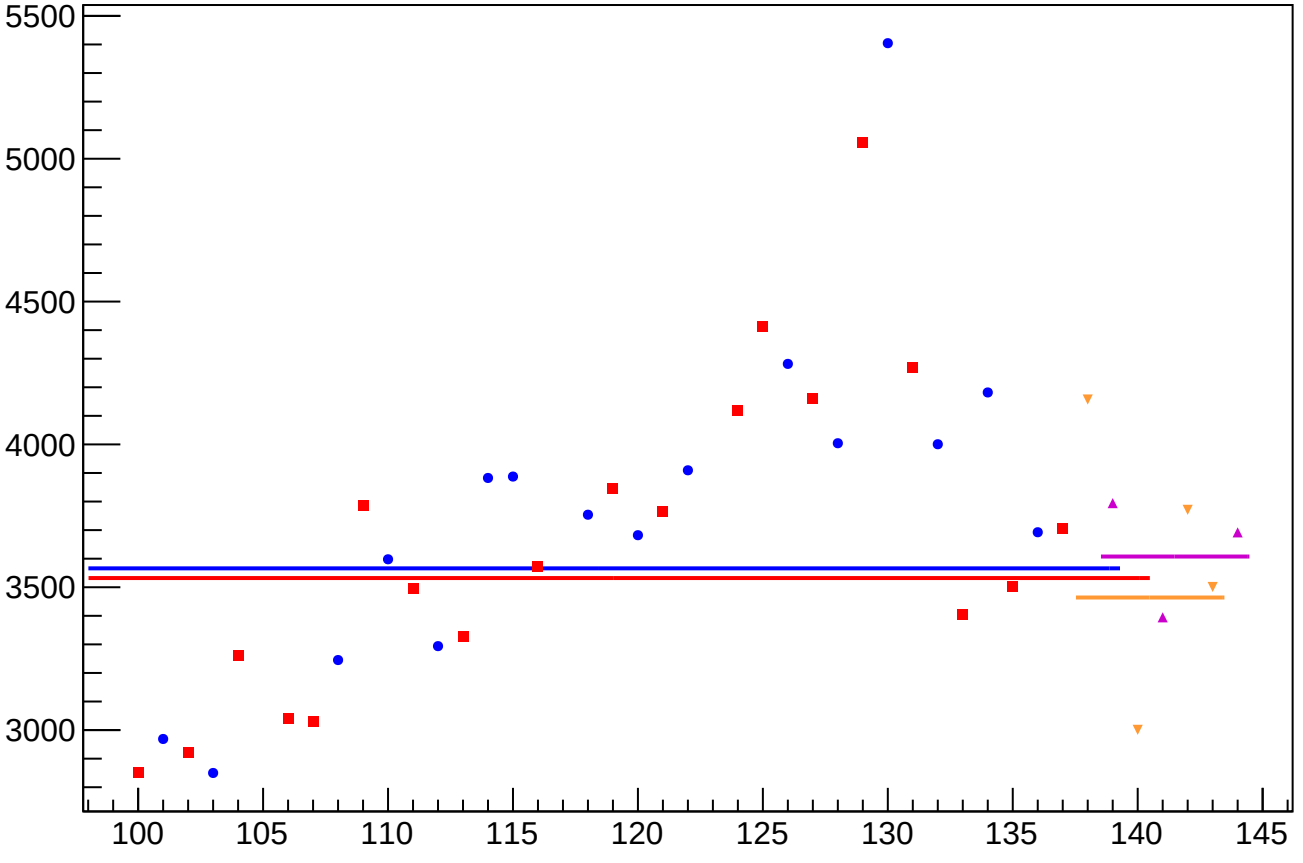
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.696+/-1.154 χ^2/NDF:26.3/18

Out: 1.956+/-1.103 χ^2/NDF:20.5/22

All: 2.309+/-0.797 χ^2/NDF: 47.0/41

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3464.075+/-1.462 χ^2/NDF:88378.3/3

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3607.533+/-1.586 χ^2/NDF:11864.5/2

Left: 3529.970+/-1.075 χ^2/NDF: 104664.3/6

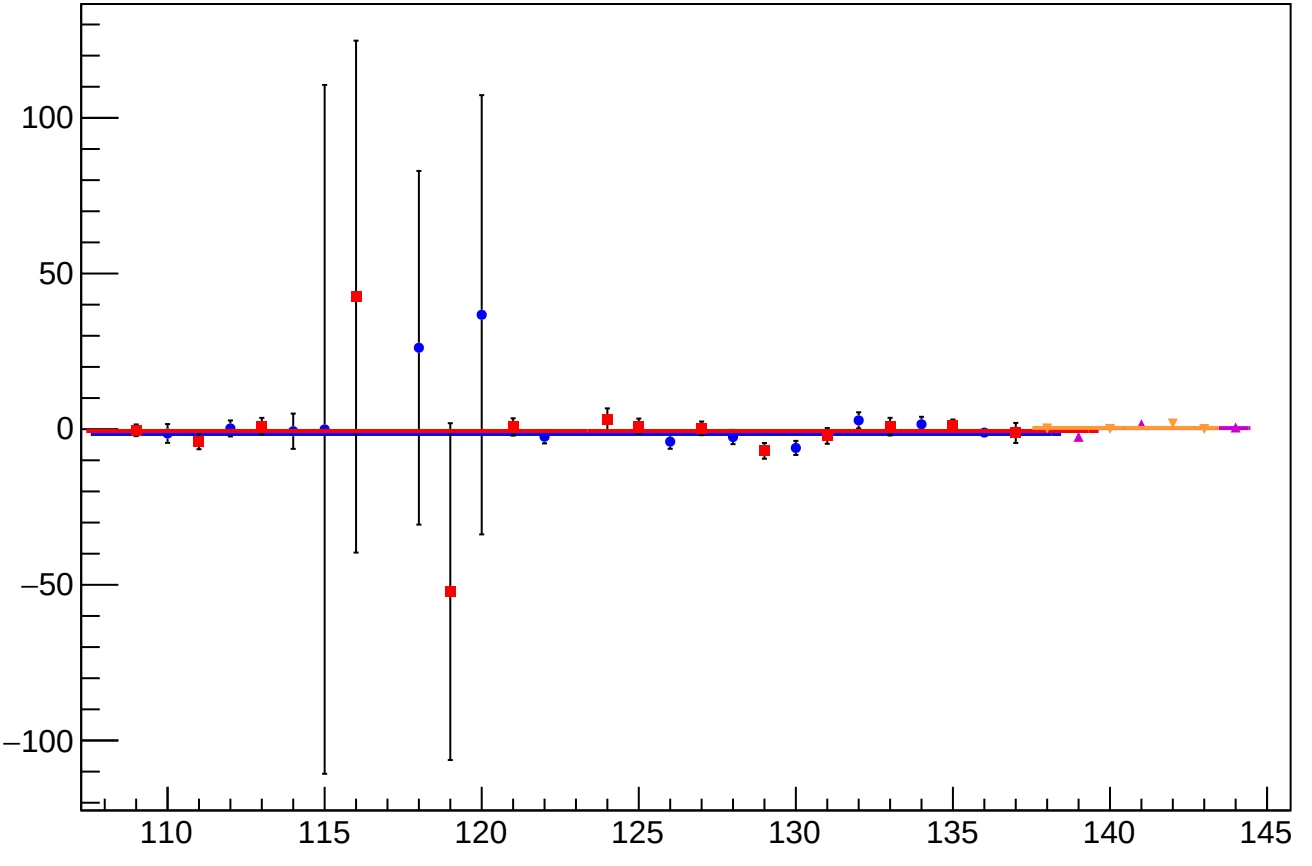
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3577.095+/-0.816 χ^2/NDF:353470.5/18

Out: 3512.805+/-0.780 χ^2/NDF:368623.8/22

All: 3543.508+/-0.564 χ^2/NDF: 725338.5/41

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.402+/-0.582 χ^2/NDF:1.3/3

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: 0.345+/-0.616 χ^2/NDF:6.2/2

Left: 0.375+/-0.423 χ^2/NDF: 7.5/6

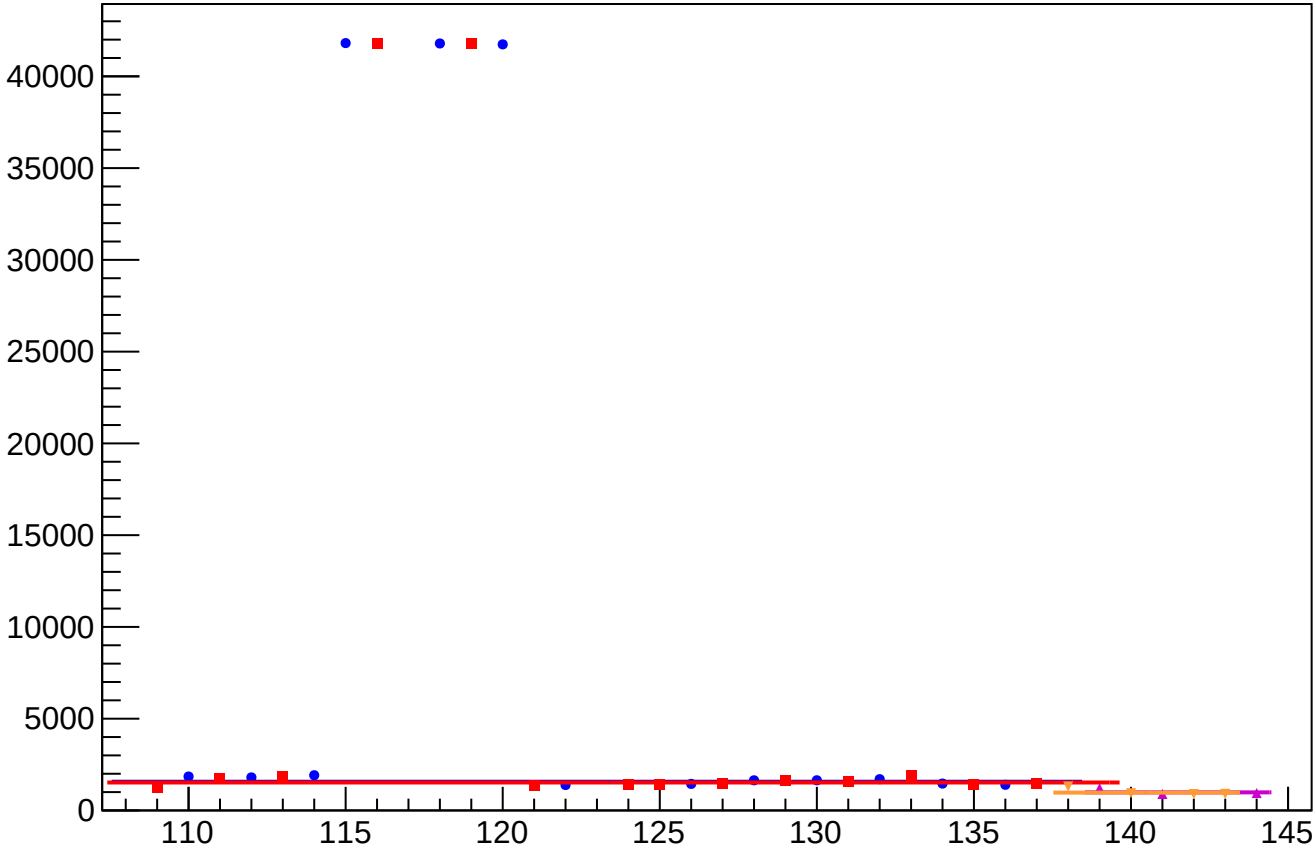
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.434+/-0.472 χ^2/NDF:21.1/15

Out: 0.008+/-0.452 χ^2/NDF:15.2/17

All: -0.204+/-0.326 χ^2/NDF: 36.7/33

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 972.500+/-0.412 χ^2/NDF:117383.4/3

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 985.422+/-0.436 χ^2/NDF:79820.8/2

Left: 978.594+/-0.299 χ^2/NDF: 197668.6/6

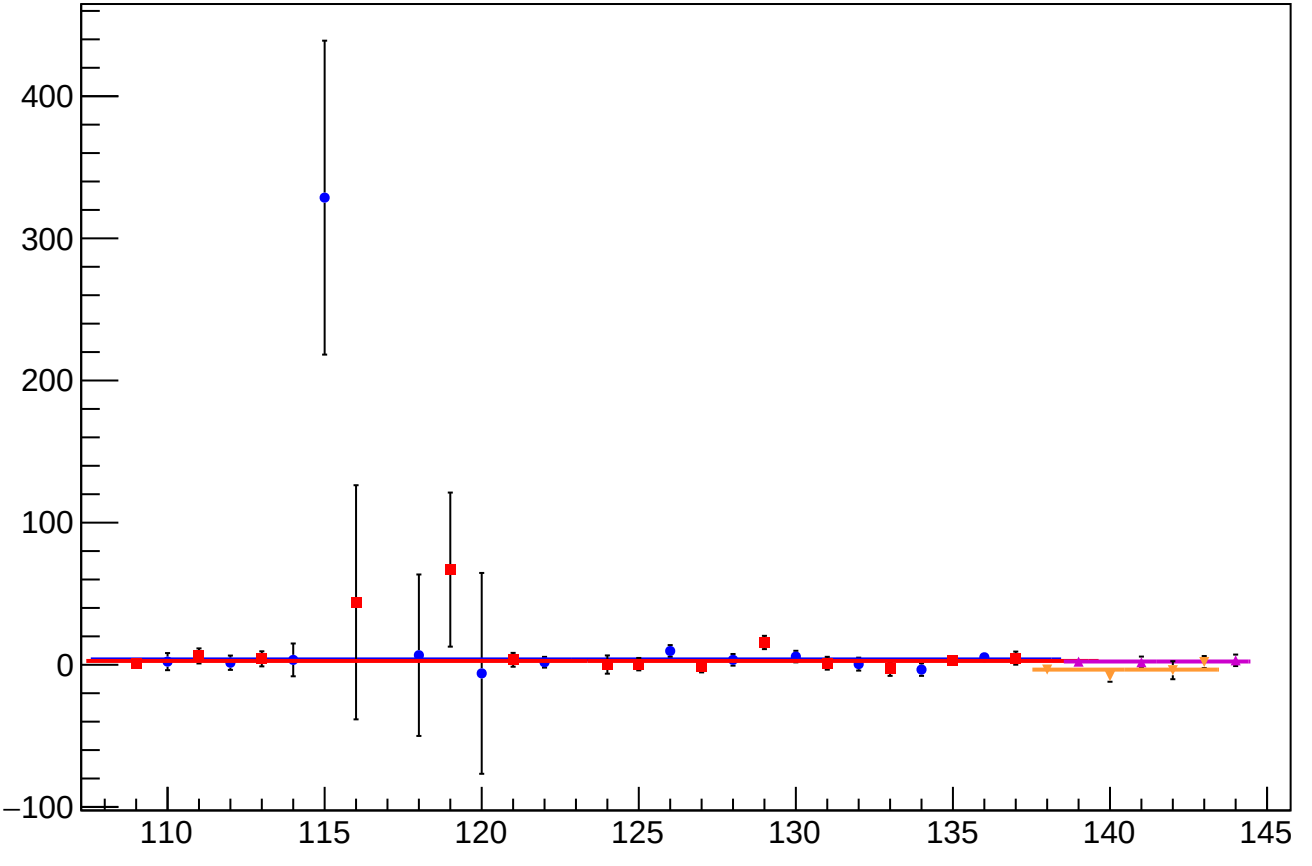
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1225.352+/-0.334 χ^2/NDF:2827775.4/15

Out: 1191.538+/-0.320 χ^2/NDF:2569054.4/17

All: 1207.726+/-0.231 χ^2/NDF: 5402186.8/33

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.391+/-1.639 χ^2/NDF:2.9/3

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 2.312+/-1.697 χ^2/NDF:0.1/2

Left: -0.637+/-1.179 χ^2/NDF: 8.8/6

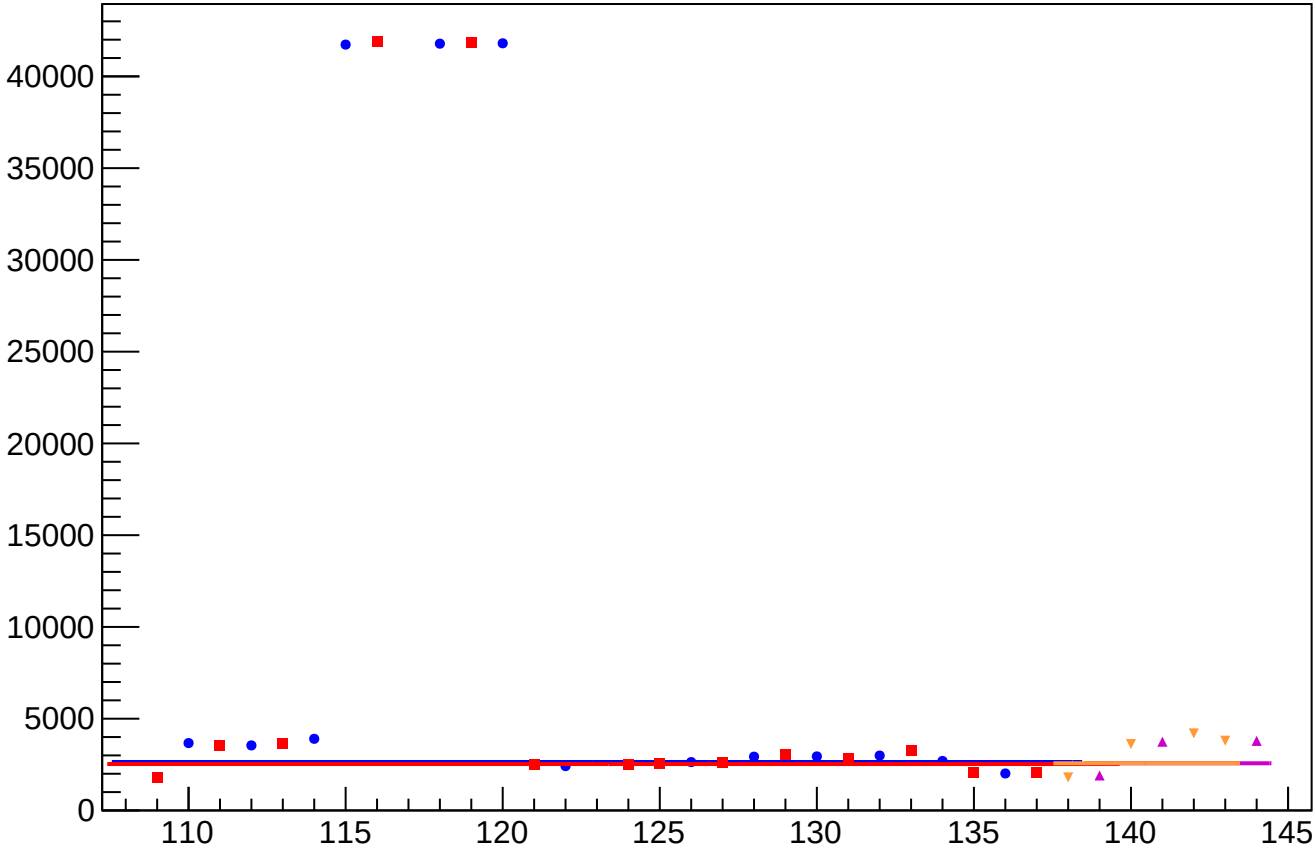
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 3.262+/-1.005 χ^2/NDF:15.7/15

Out: 0.555+/-0.974 χ^2/NDF:25.5/17

All: 1.866+/-0.700 χ^2/NDF: 44.9/33

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2572.231+/-1.159 χ^2/NDF:710333.4/3

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2570.538+/-1.200 χ^2/NDF:551806.8/2

Left: 2571.413+/-0.834 χ^2/NDF: 1262141.3/6

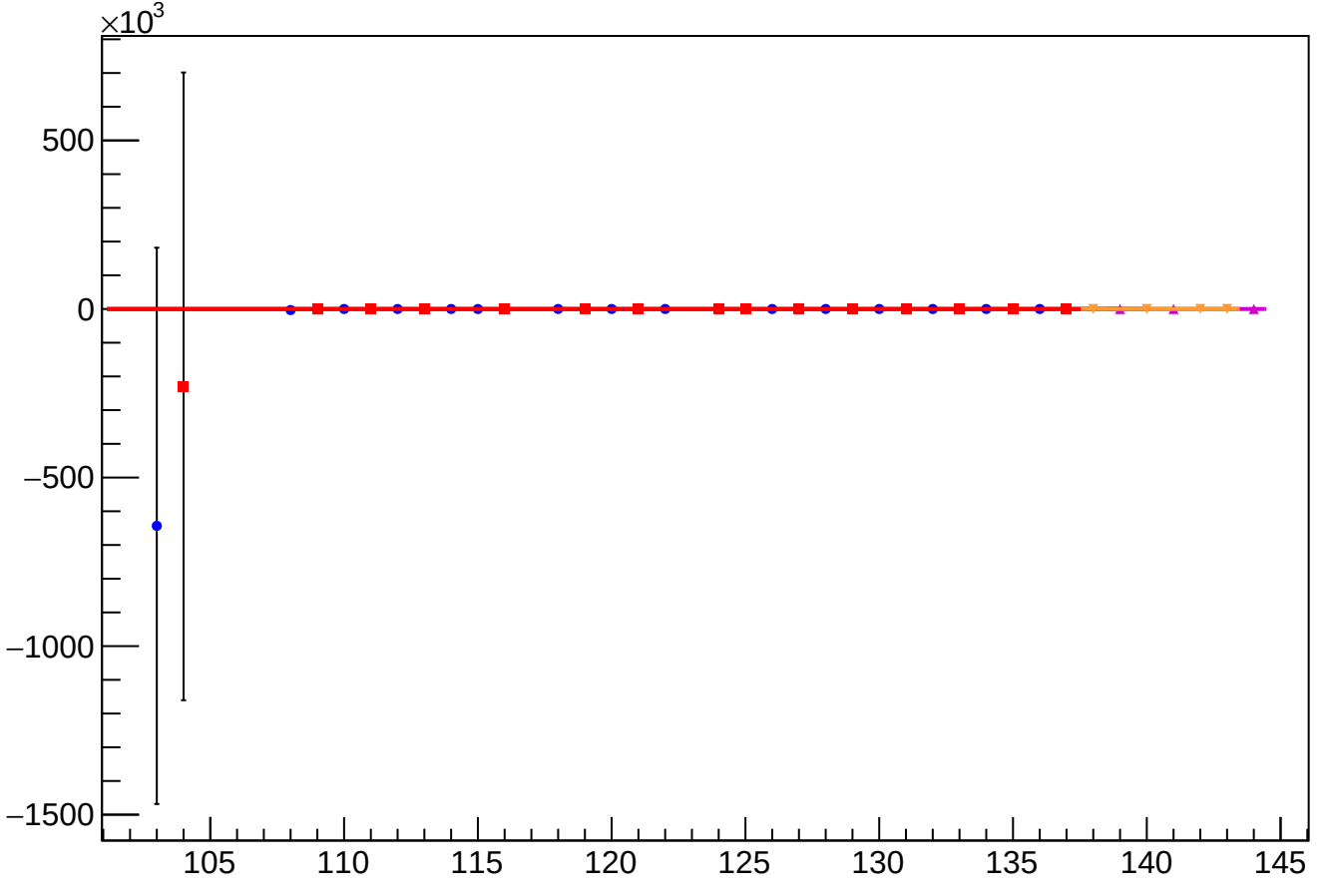
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2615.564+/-0.711 χ^2/NDF:2727373.6/15

Out: 2544.275+/-0.689 χ^2/NDF:2661160.8/17

All: 2578.786+/-0.495 χ^2/NDF: 5393721.3/33

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -0.367+/-0.850 χ^2/NDF:5.4/3

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.899+/-0.925 χ^2/NDF:0.4/2

Left: 0.213+/-0.626 χ^2/NDF: 6.8/6

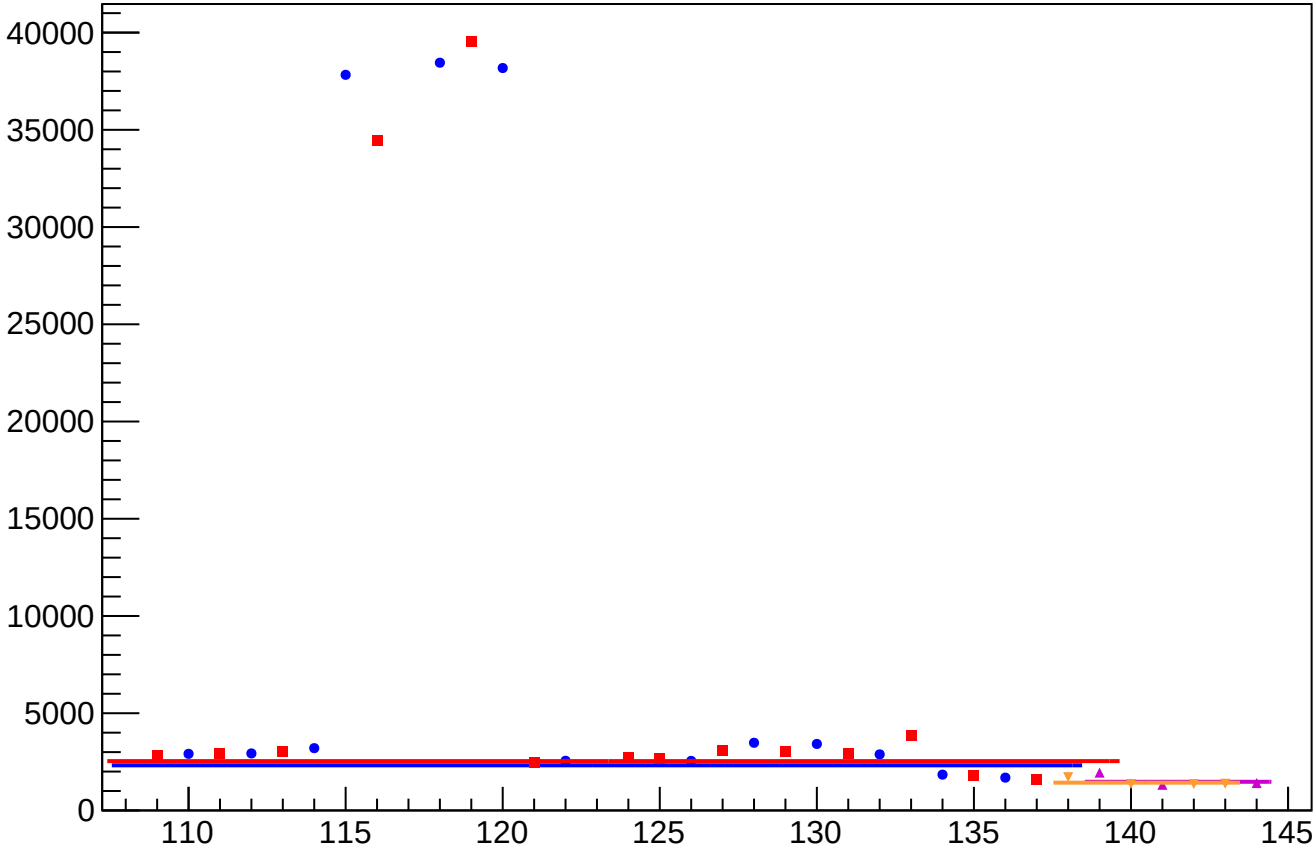
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.046+/-0.715 χ^2/NDF:21.3/17

Out: 0.636+/-0.696 χ^2/NDF:24.1/18

All: 0.349+/-0.499 χ^2/NDF: 45.7/36

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1428.915+/-0.601 χ^2/NDF:51089.8/3

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1474.294+/-0.654 χ^2/NDF:127354.2/2

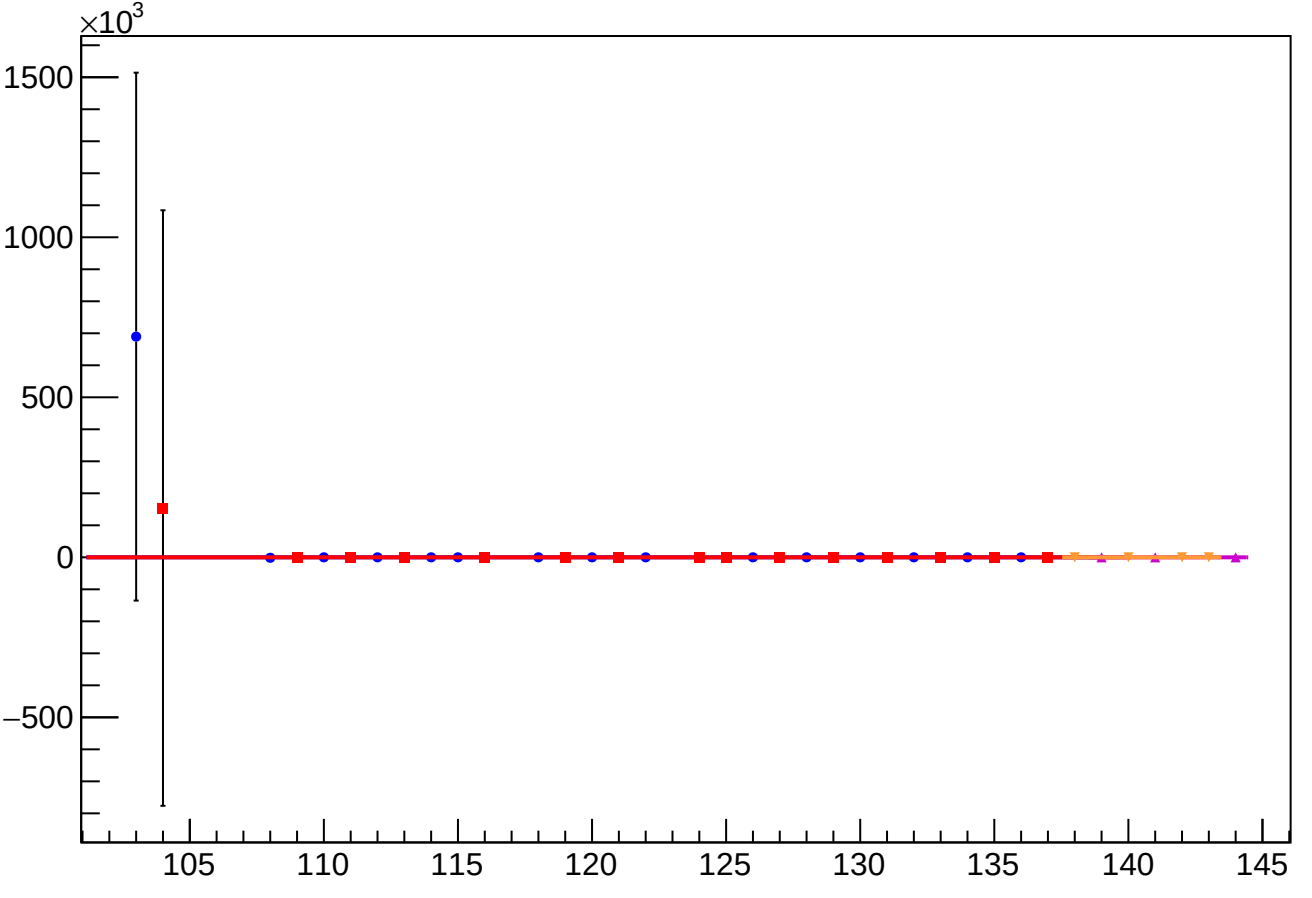
Left: 1449.695+/-0.443 χ^2/NDF: 181051.7/6

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1815.611+/-0.505 χ^2/NDF:3263501.3/15

Out: 1795.041+/-0.492 χ^2/NDF:3211783.3/17

All: 1805.053+/-0.353 χ^2/NDF: 6476134.9/33



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -2.247+/-1.172 χ^2/NDF:4.0/3

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.127+/-1.005 χ^2/NDF:0.6/2

Left: -1.025+/-0.763 χ^2/NDF: 6.5/6

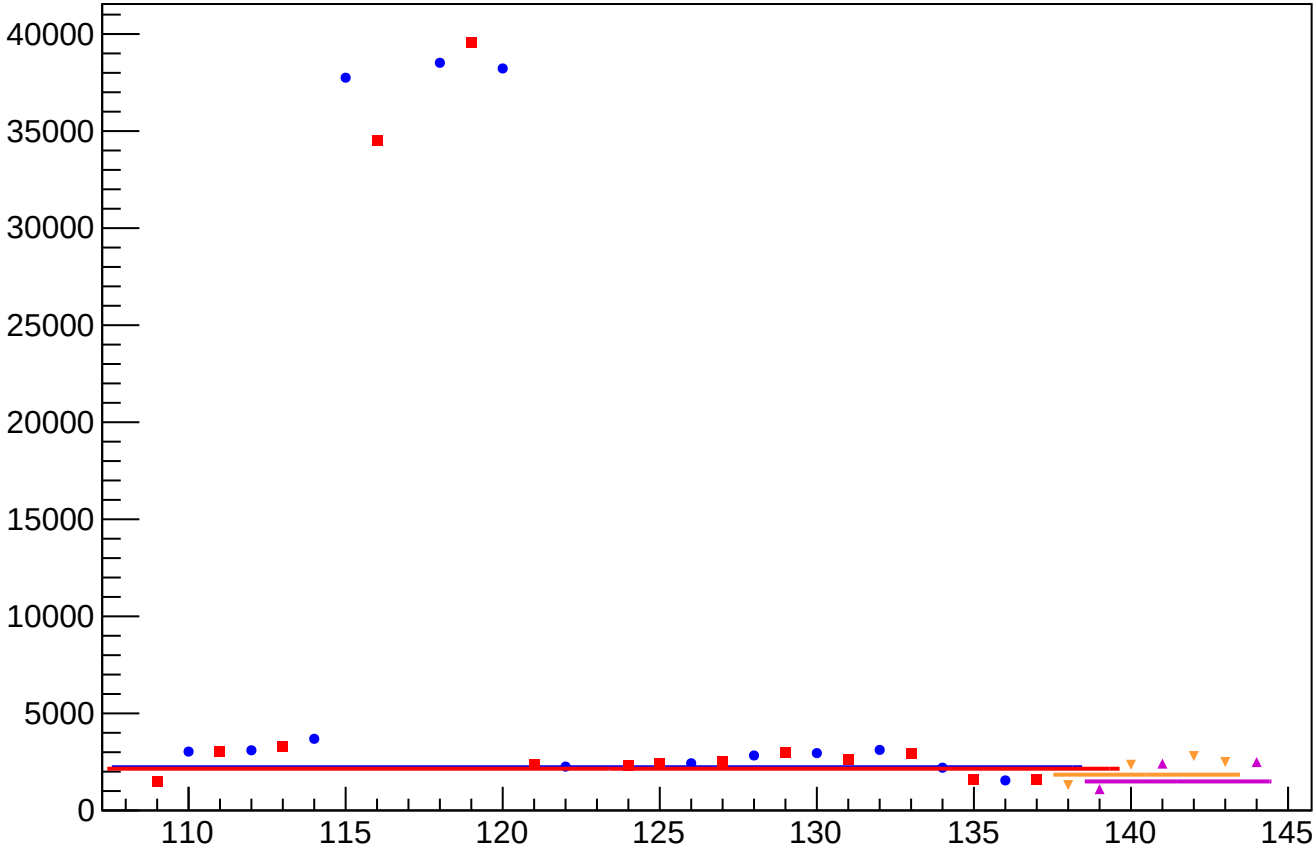
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.728+/-0.735 χ^2/NDF:7.2/17

Out: 0.047+/-0.783 χ^2/NDF:26.2/18

All: 0.409+/-0.536 χ^2/NDF: 33.8/36

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1843.920+/-0.829 χ^2/NDF:515584.1/3

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1494.393+/-0.711 χ^2/NDF:752276.2/2

Left: 1642.496+/-0.540 χ^2/NDF: 1370333.6/6

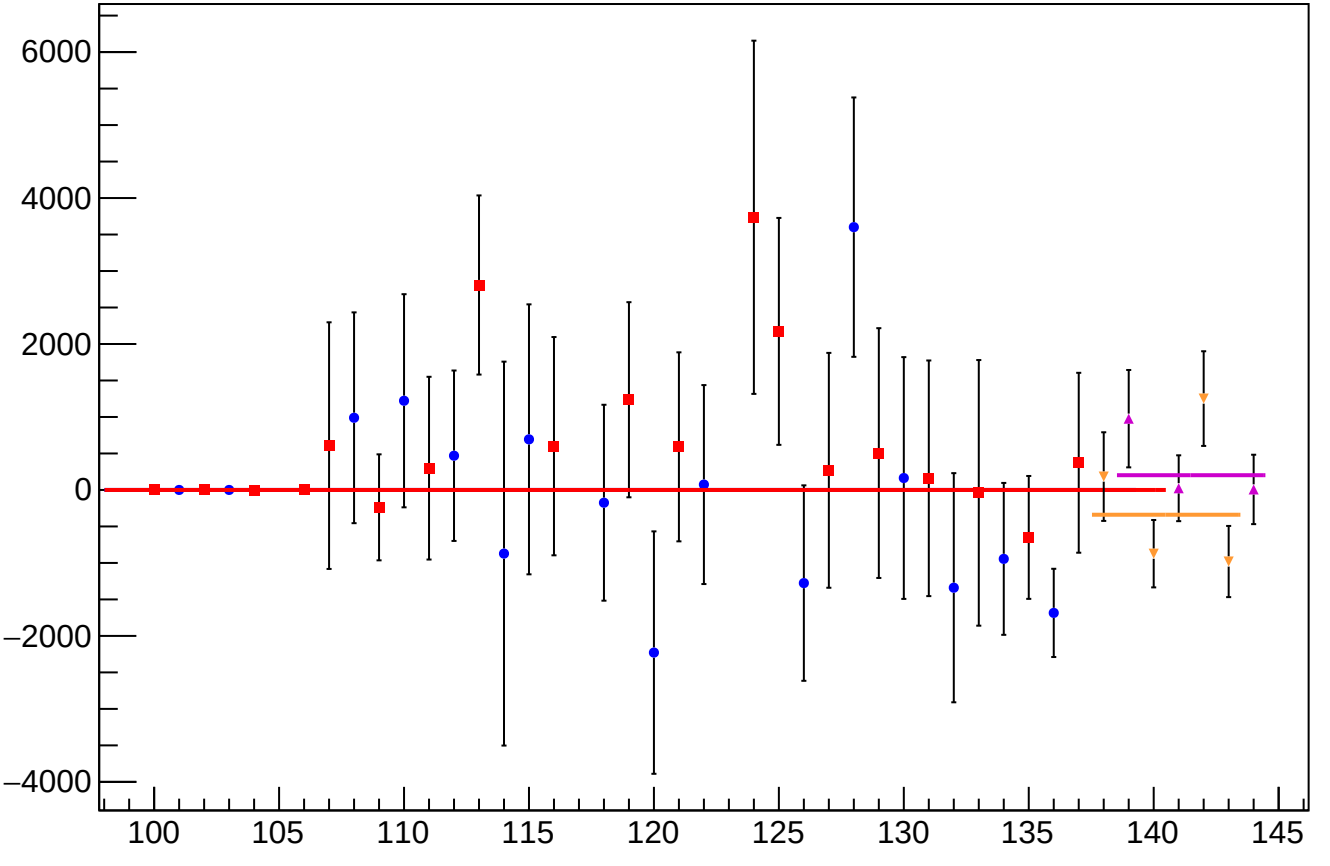
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1835.629+/-0.519 χ^2/NDF:3769397.4/15

Out: 2013.959+/-0.554 χ^2/NDF:2822867.5/17

All: 1919.137+/-0.379 χ^2/NDF: 6647451.3/33

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -339.505+/-267.416 χ^2/NDF:9.8/3

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 202.178+/-293.843 χ^2/NDF:1.7/2

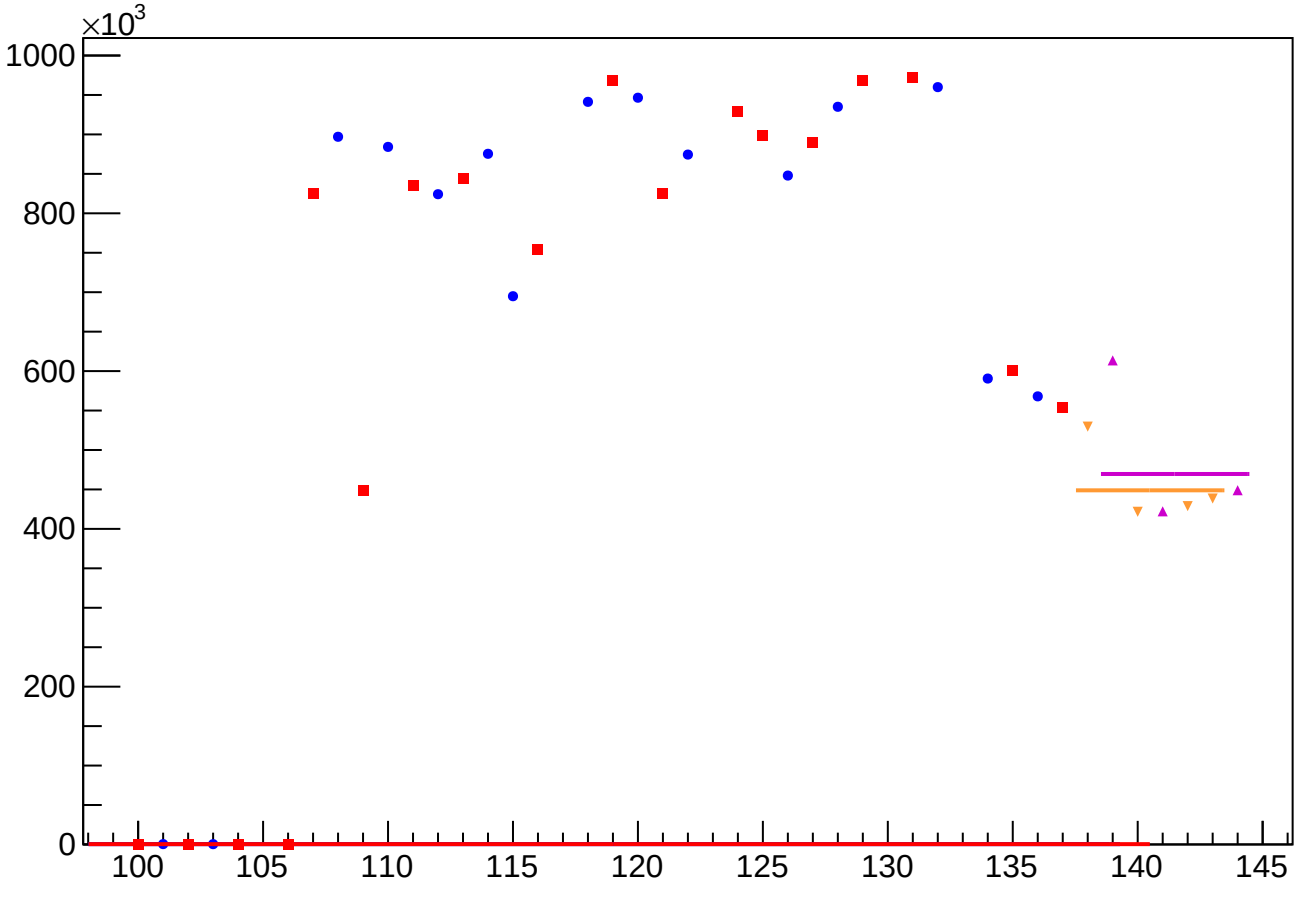
Left: -94.112+/-197.776 χ^2/NDF: 13.4/6

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:19.9/18

Out: -0.096+/-0.328 χ^2/NDF:26.9/22

All: 0.065+/-0.241 χ^2/NDF: 47.3/41



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 448868.708+/-189.091 χ^2/NDF:45124.1/3

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 469587.921+/-207.778 χ^2/NDF:118881.1/2

Left: 458254.908+/-139.849 χ^2/NDF: 169444.2/6

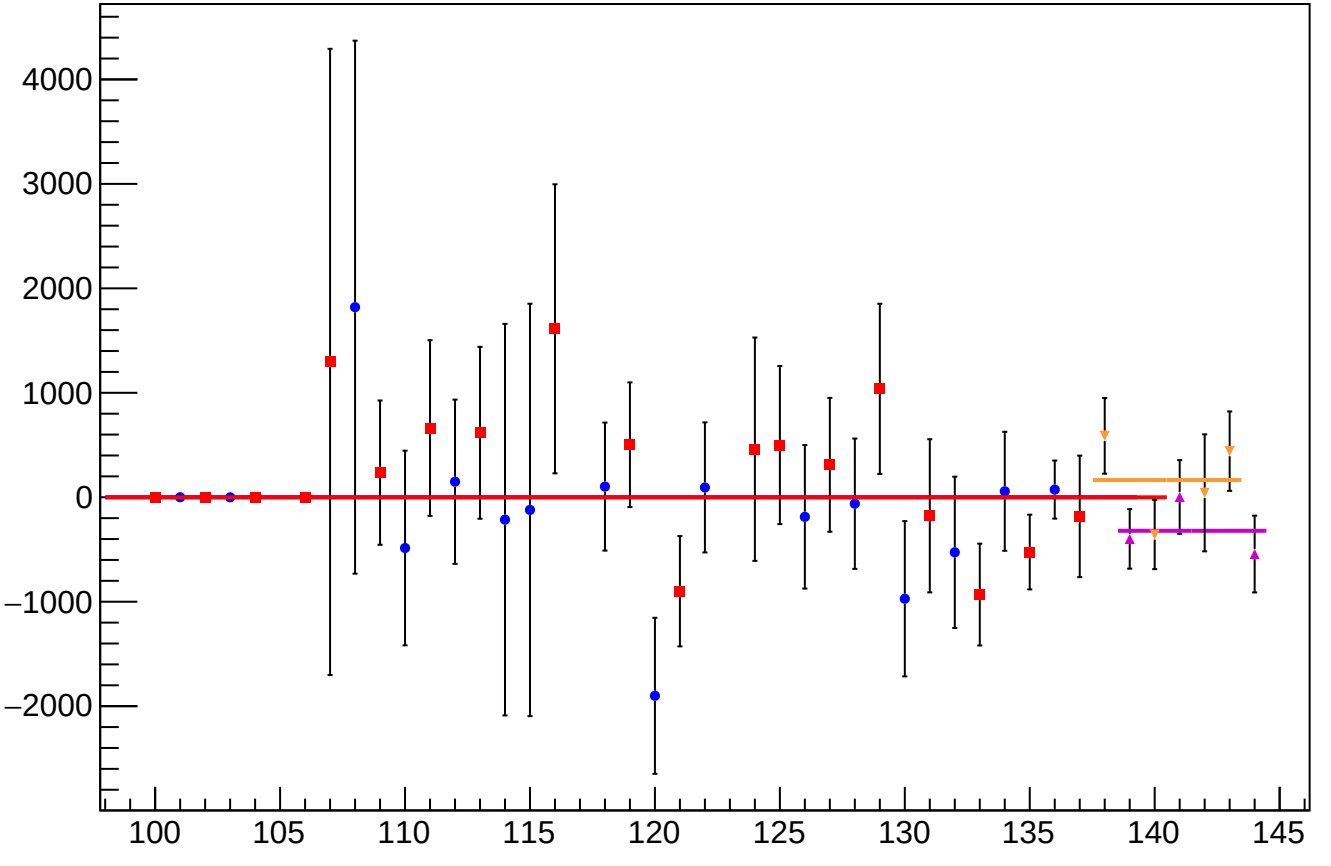
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.568+/-0.251 χ^2/NDF:13709835.3/17

Out: 393.914+/-0.232 χ^2/NDF:13318834.7/21

All: 396.511+/-0.170 χ^2/NDF: 27028943.3/39

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 165.106+/-193.115 χ^2/NDF:4.4/3

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -321.066+/-189.835 χ^2/NDF:1.3/2

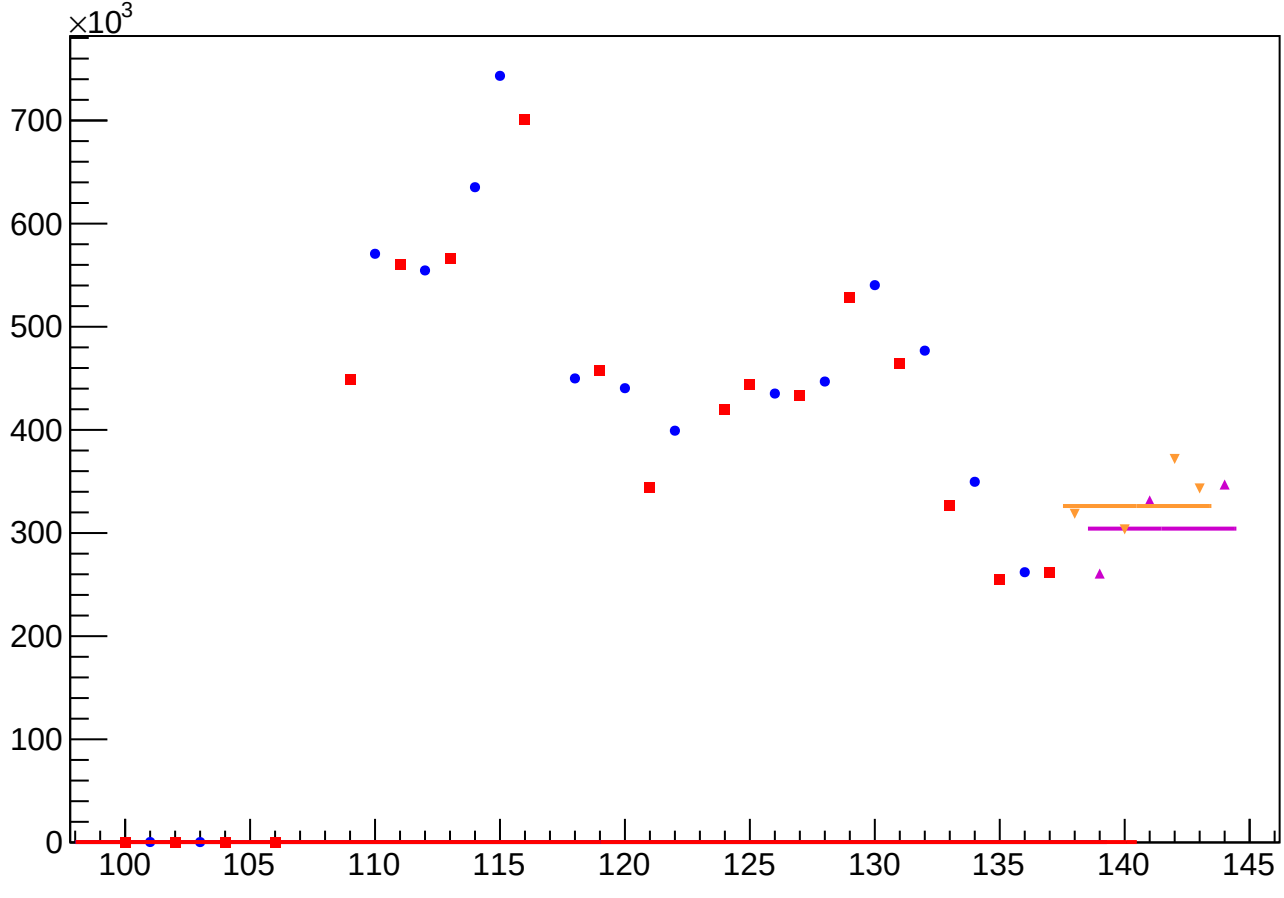
Left: -82.144+/-135.379 χ^2/NDF: 8.9/6

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:14.6/18

Out: -0.598+/-0.324 χ^2/NDF:20.2/22

All: -0.330+/-0.237 χ^2/NDF: 36.2/41



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 326196.240+/-136.553 χ^2/NDF:27462.5/3

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 304277.252+/-134.234 χ^2/NDF:85829.0/2

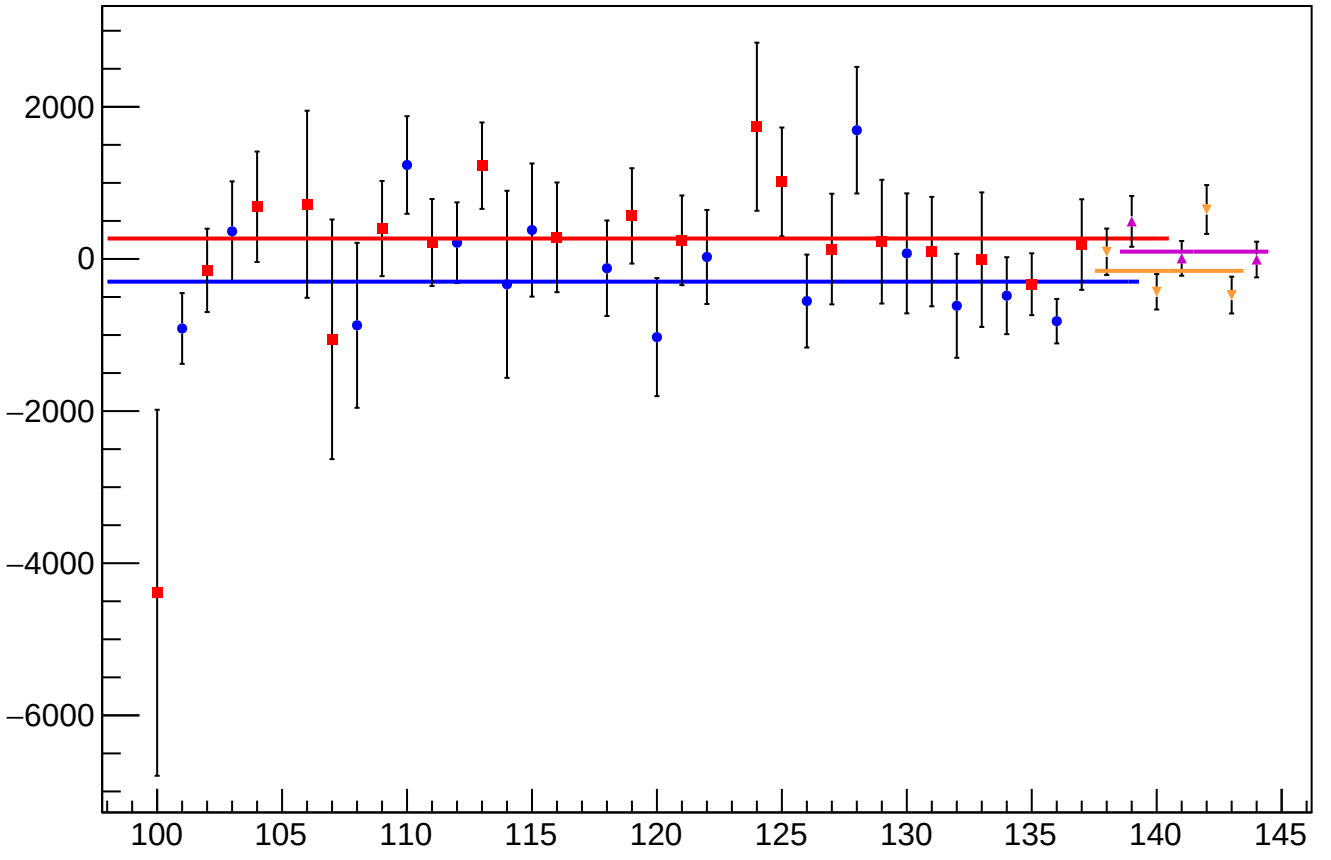
Left: 315049.020+/-95.727 χ^2/NDF: 126394.9/6

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 391.292+/-0.245 χ^2/NDF:16343121.5/17

Out: 388.900+/-0.229 χ^2/NDF:16794472.4/21

All: 390.013+/-0.167 χ^2/NDF: 33137644.6/39



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -156.659+/-133.694 χ^2/NDF:10.1/3

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 96.238+/-146.861 χ^2/NDF:1.8/2

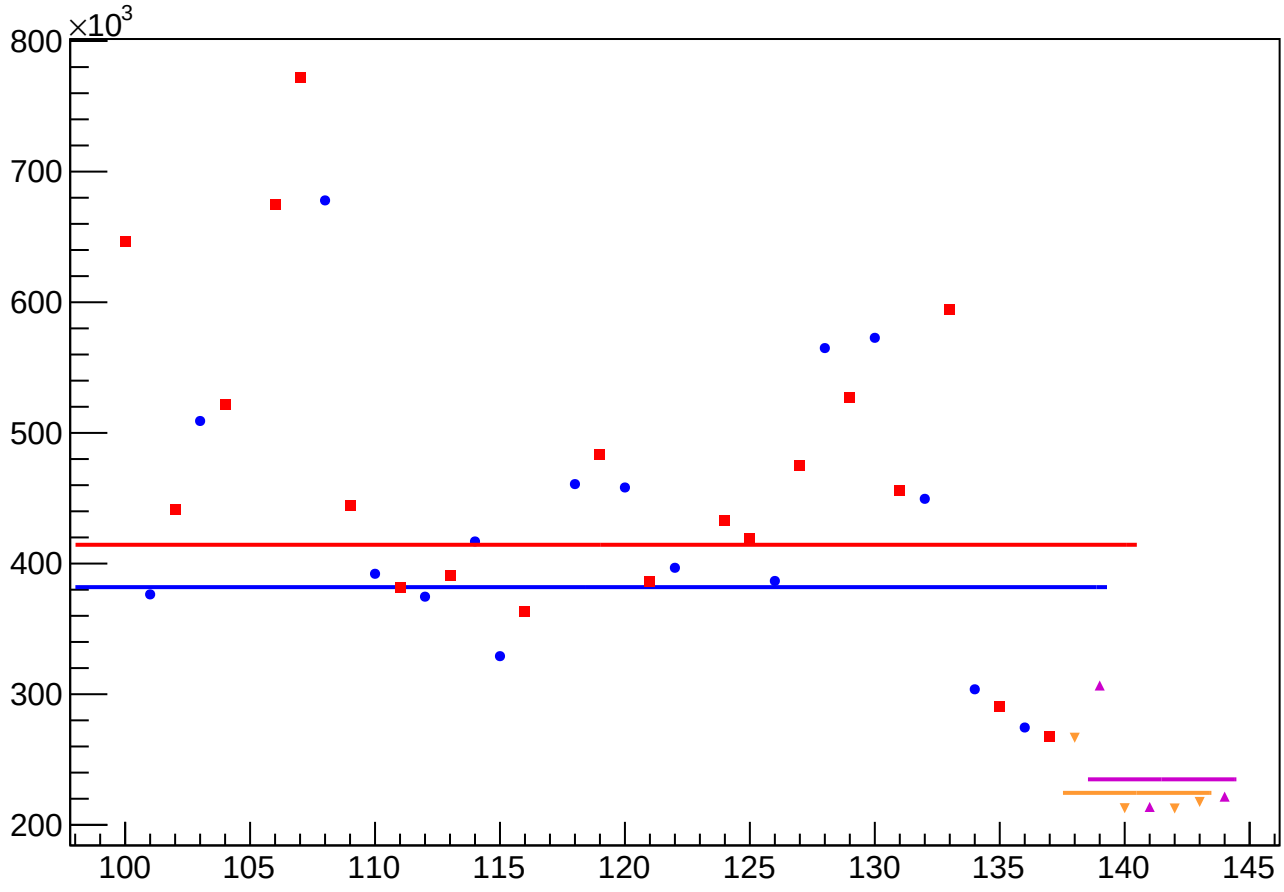
Left: -42.054+/-98.864 χ^2/NDF: 13.5/6

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -100.334+/-104.025 χ^2/NDF:26.5/18

Out: 22.769+/-101.674 χ^2/NDF:28.3/22

All: -37.376+/-72.711 χ^2/NDF: 55.5/41



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 224500.984+/-94.536 χ^2/NDF:47682.7/3

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 234850.778+/-103.847 χ^2/NDF:116261.3/2

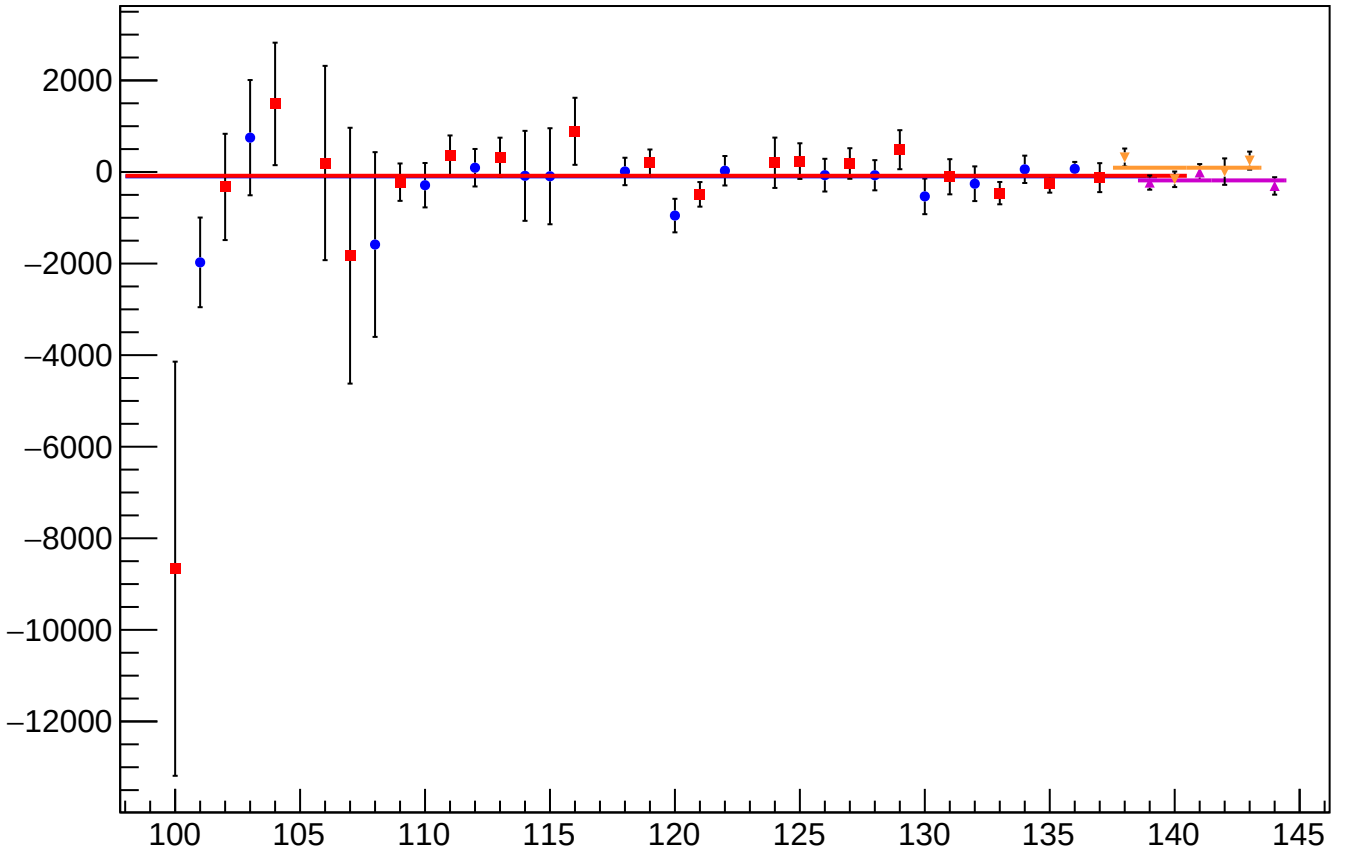
Left: 229191.197+/-69.907 χ^2/NDF: 169375.7/6

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 308139.404+/-73.563 χ^2/NDF:1952457.7/18

Out: 304536.727+/-71.902 χ^2/NDF:2508215.1/22

All: 306296.932+/-51.420 χ^2/NDF: 4461899.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.188+/-100.704 χ^2/NDF:4.2/3

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -183.655+/-100.540 χ^2/NDF:1.4/2

Left: -45.460+/-71.151 χ^2/NDF: 9.4/6

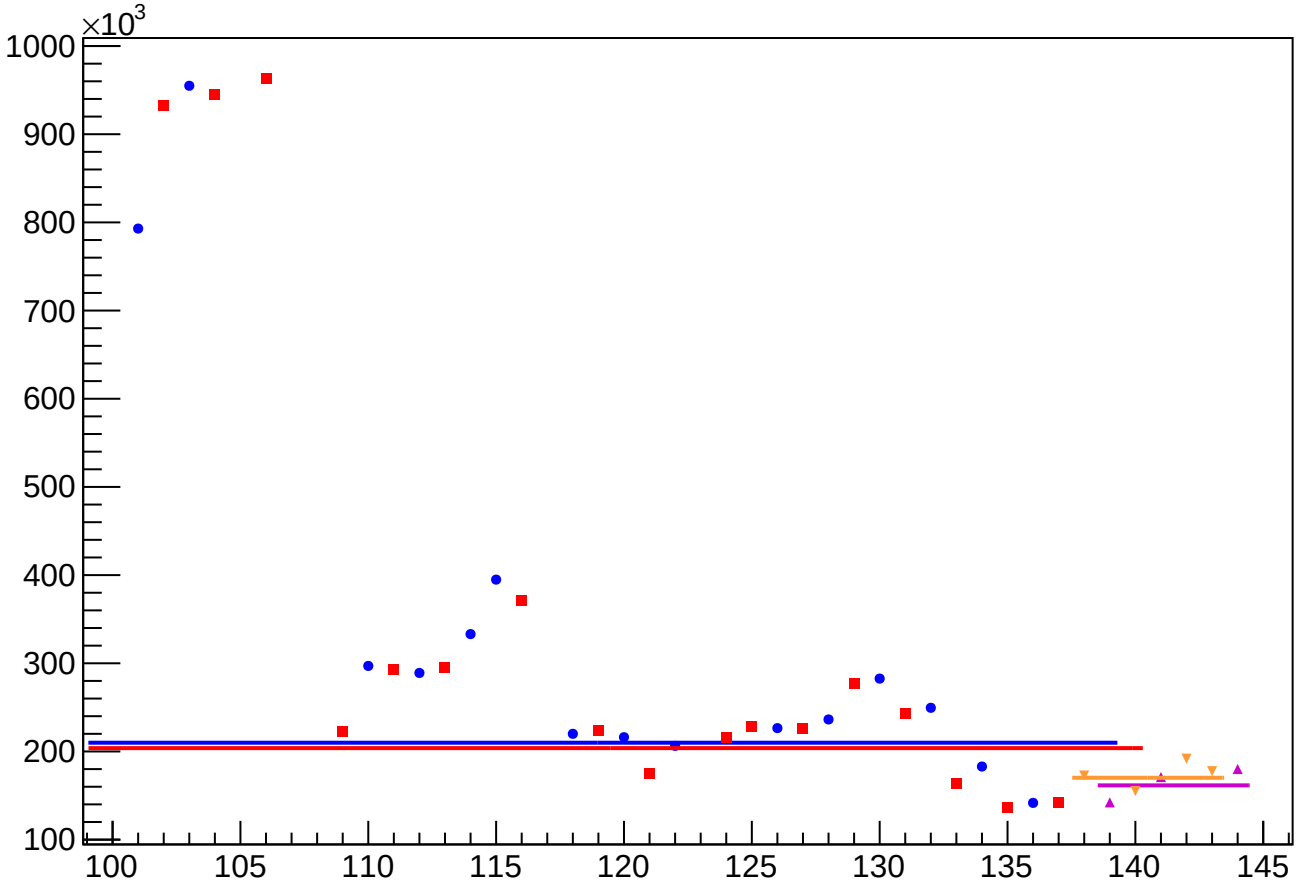
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -134.069+/-66.331 χ^2/NDF:15.5/18

Out: -7.246+/-65.971 χ^2/NDF:25.1/22

All: -70.312+/-46.775 χ^2/NDF: 42.4/41

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 170155.923+/-71.209 χ^2/NDF:29952.8/3

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 161559.746+/-71.093 χ^2/NDF:54902.1/2

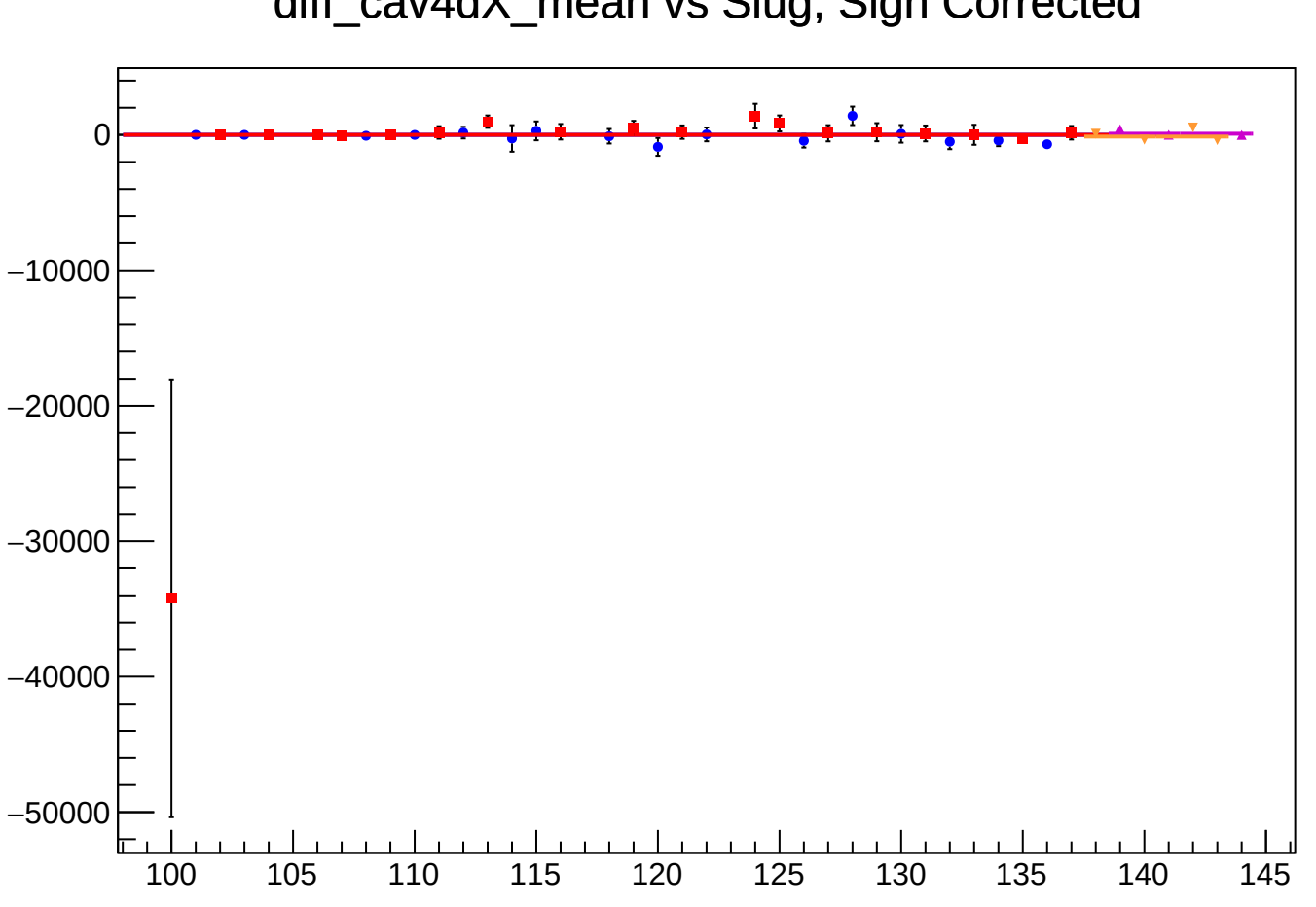
Left: 165850.815+/-50.311 χ^2/NDF: 92153.2/6

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 188834.102+/-46.949 χ^2/NDF:2275821.0/17

Out: 189317.030+/-46.715 χ^2/NDF:2227539.9/20

All: 189076.777+/-33.115 χ^2/NDF: 4503414.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -127.211+/-111.268 χ^2/NDF:10.2/3

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 82.054+/-122.330 χ^2/NDF:1.8/2

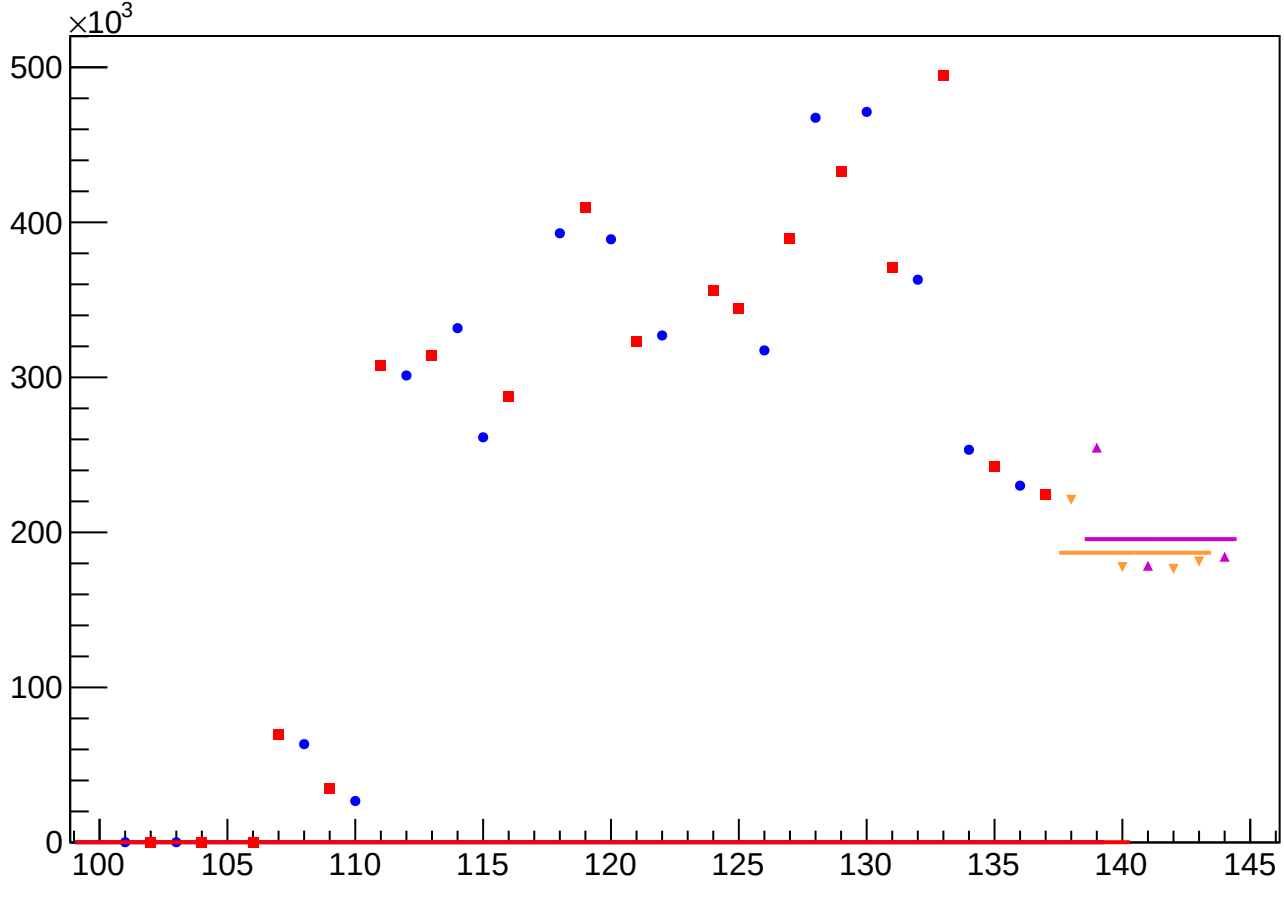
Left: -32.466+/-82.312 χ^2/NDF: 13.6/6

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.4/18

Out: 0.355+/-0.160 χ^2/NDF:28.0/22

All: 0.174+/-0.117 χ^2/NDF: 51.1/41



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 186874.629+/-78.678 χ^2/NDF:45526.9/3

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 195668.078+/-86.500 χ^2/NDF:113903.1/2

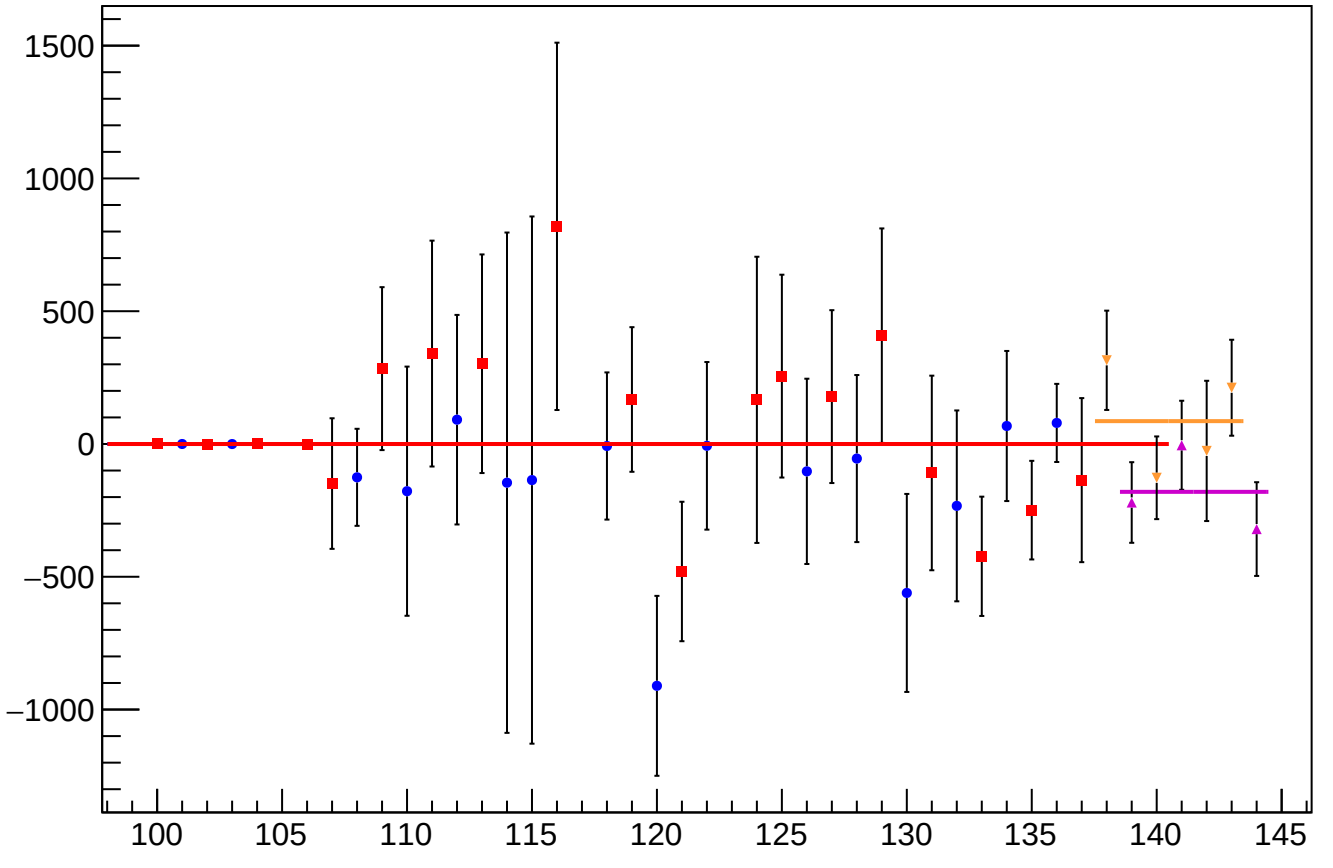
Left: 190855.876+/-58.203 χ^2/NDF: 165085.4/6

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.480+/-0.122 χ^2/NDF:16524940.8/18

Out: 149.765+/-0.113 χ^2/NDF:16966686.4/21

All: 149.633+/-0.083 χ^2/NDF: 33491630.2/40



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 86.030+/-93.318 χ^2/NDF:4.0/3

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -180.225+/-94.867 χ^2/NDF:1.8/2

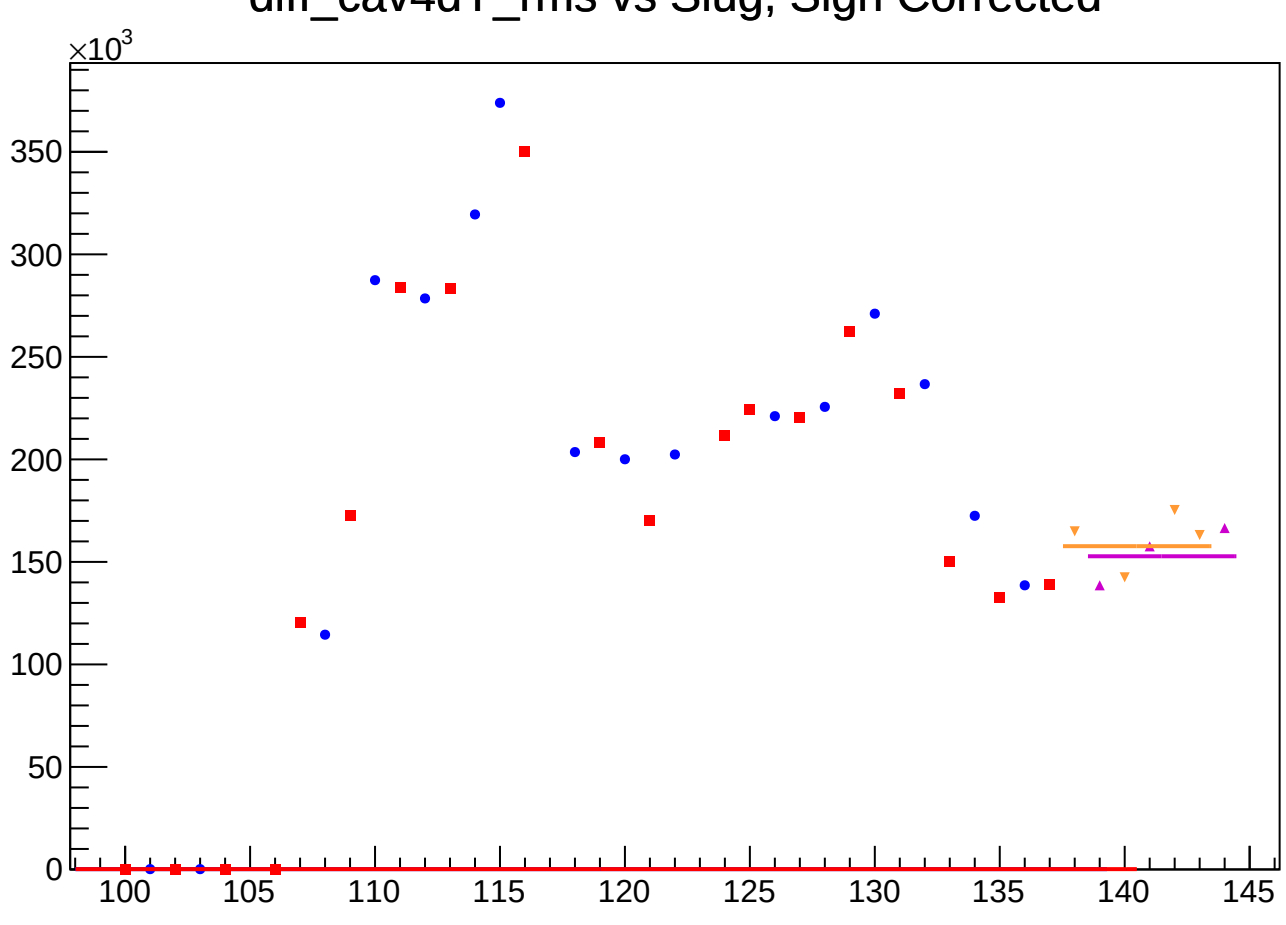
Left: -44.906+/-66.526 χ^2/NDF: 9.8/6

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:16.6/18

Out: -0.126+/-0.166 χ^2/NDF:20.1/22

All: -0.099+/-0.121 χ^2/NDF: 36.8/41



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 157669.763+/-65.986 χ^2/NDF:32779.8/3

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 152750.940+/-67.081 χ^2/NDF:31254.0/2

Left: 155250.842+/-47.041 χ^2/NDF: 66766.5/6

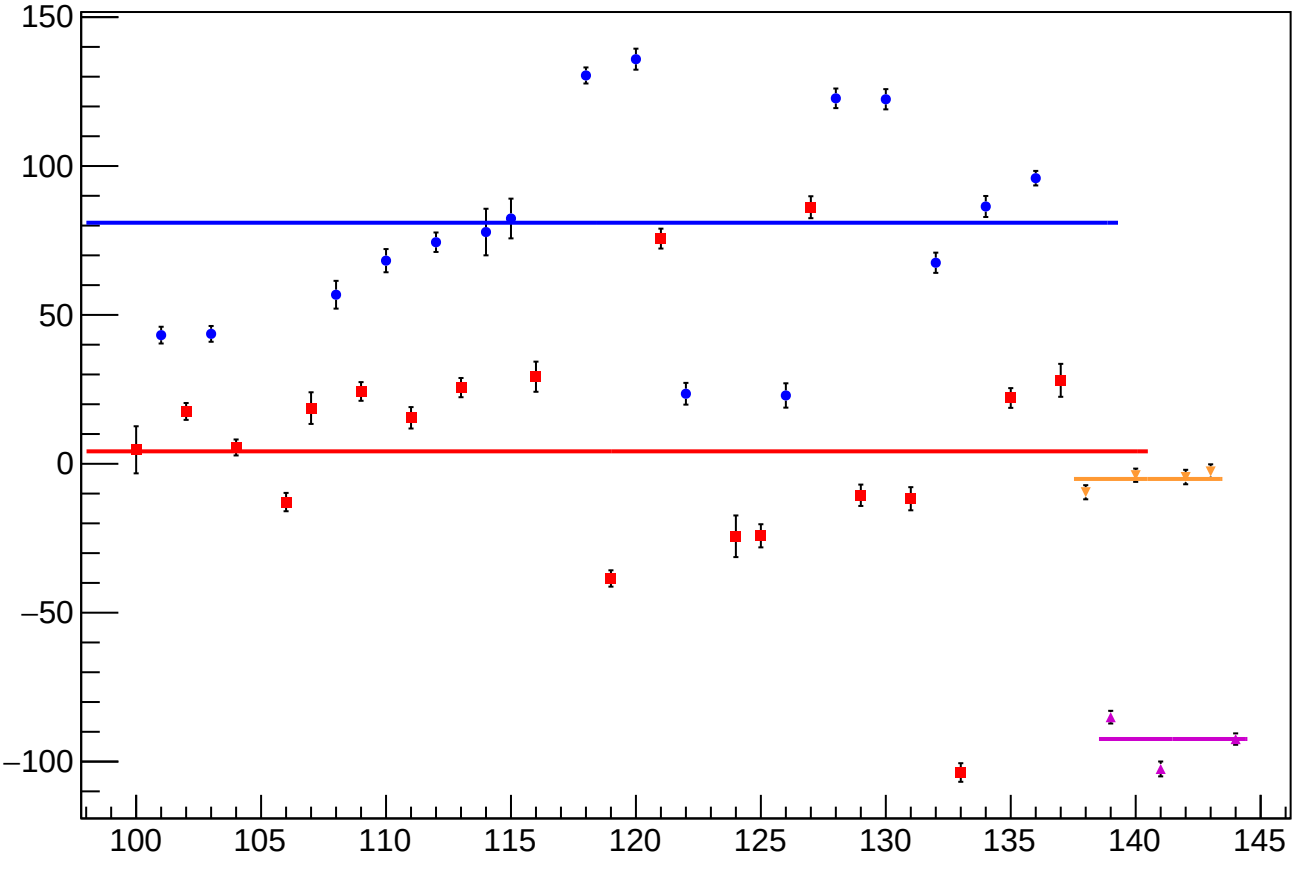
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 153.993+/-0.125 χ^2/NDF:17110985.4/18

Out: 156.659+/-0.118 χ^2/NDF:17061865.2/22

All: 155.409+/-0.086 χ^2/NDF: 34173091.0/41

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -5.086+/-1.177 χ^2/NDF:5.0/3

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -92.413+/-1.237 χ^2/NDF:28.0/2

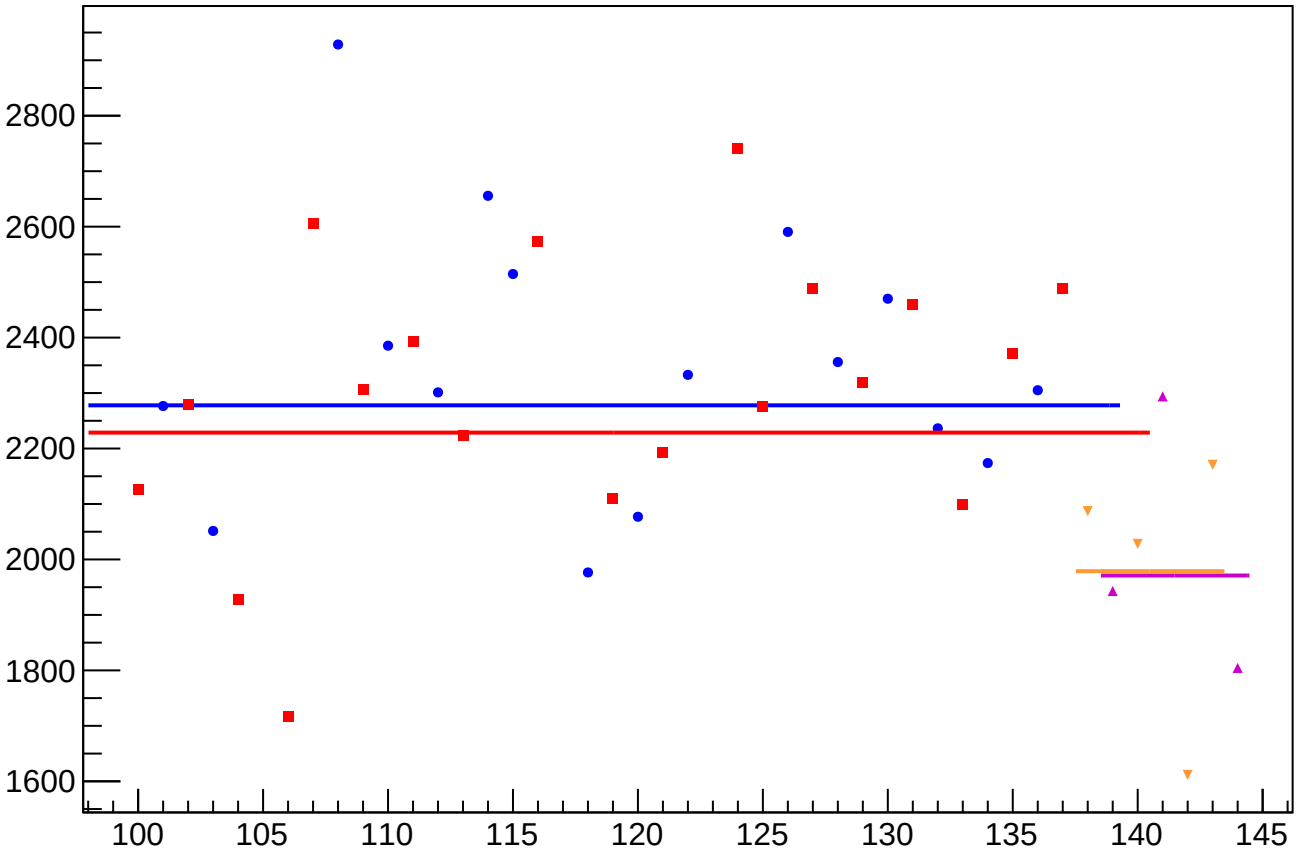
Left: -46.602+/-0.853 χ^2/NDF: 2648.0/6

Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 25.216+/-0.701 χ^2/NDF:15171.4/18

Out: 1.155+/-0.673 χ^2/NDF:2766.5/22

All: 12.689+/-0.486 χ^2/NDF: 18550.6/41



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1978.885+/-0.833 χ^2/NDF:63574.5/3

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1971.028+/-0.875 χ^2/NDF:48847.8/2

Left: 1975.150+/-0.603 χ^2/NDF: 112464.6/6

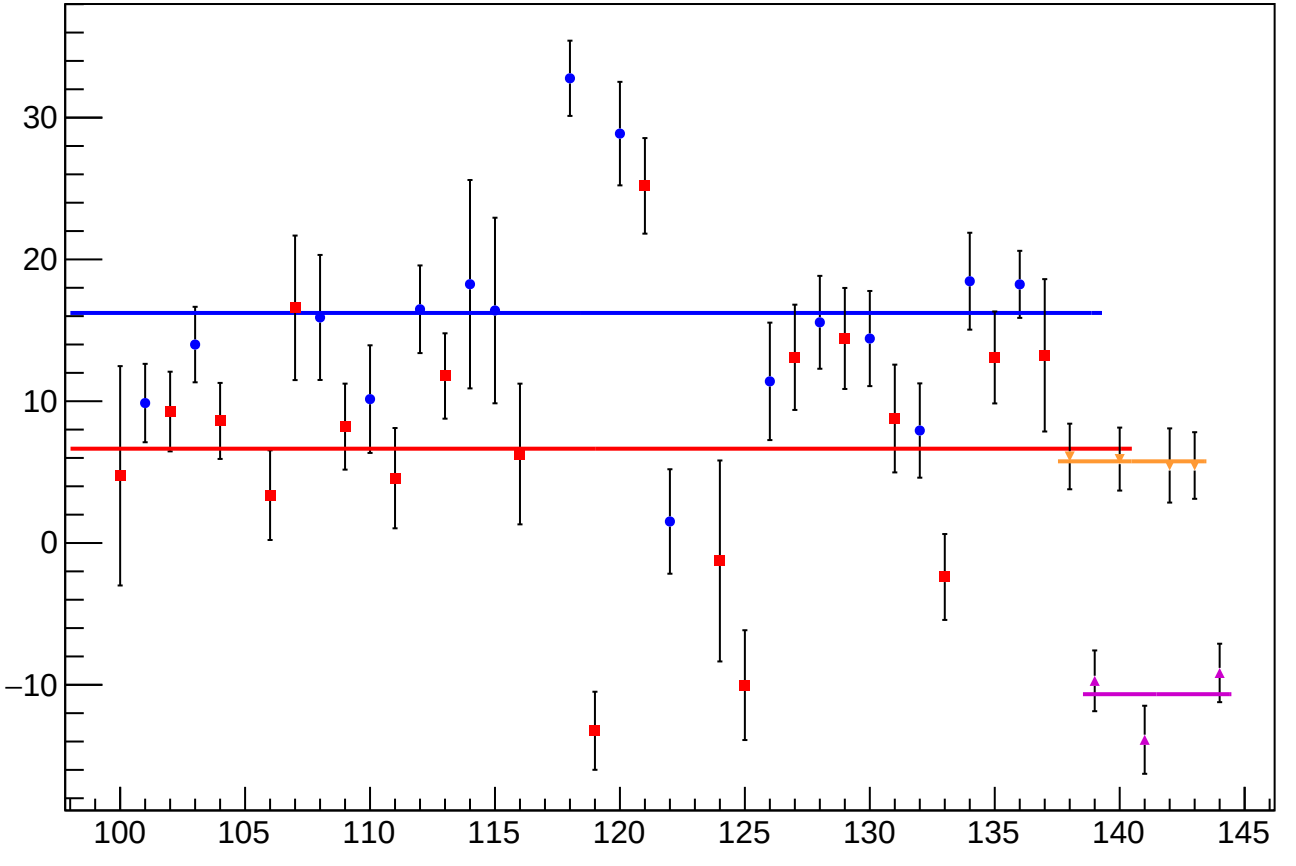
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2179.215+/-0.496 χ^2/NDF:248126.5/18

Out: 2147.092+/-0.476 χ^2/NDF:275323.4/22

All: 2162.490+/-0.343 χ^2/NDF: 525634.4/41

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.761+/-1.181 χ^2/NDF:0.1/3

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -10.662+/-1.263 χ^2/NDF:2.5/2

Left: -1.901+/-0.863 χ^2/NDF: 92.8/6

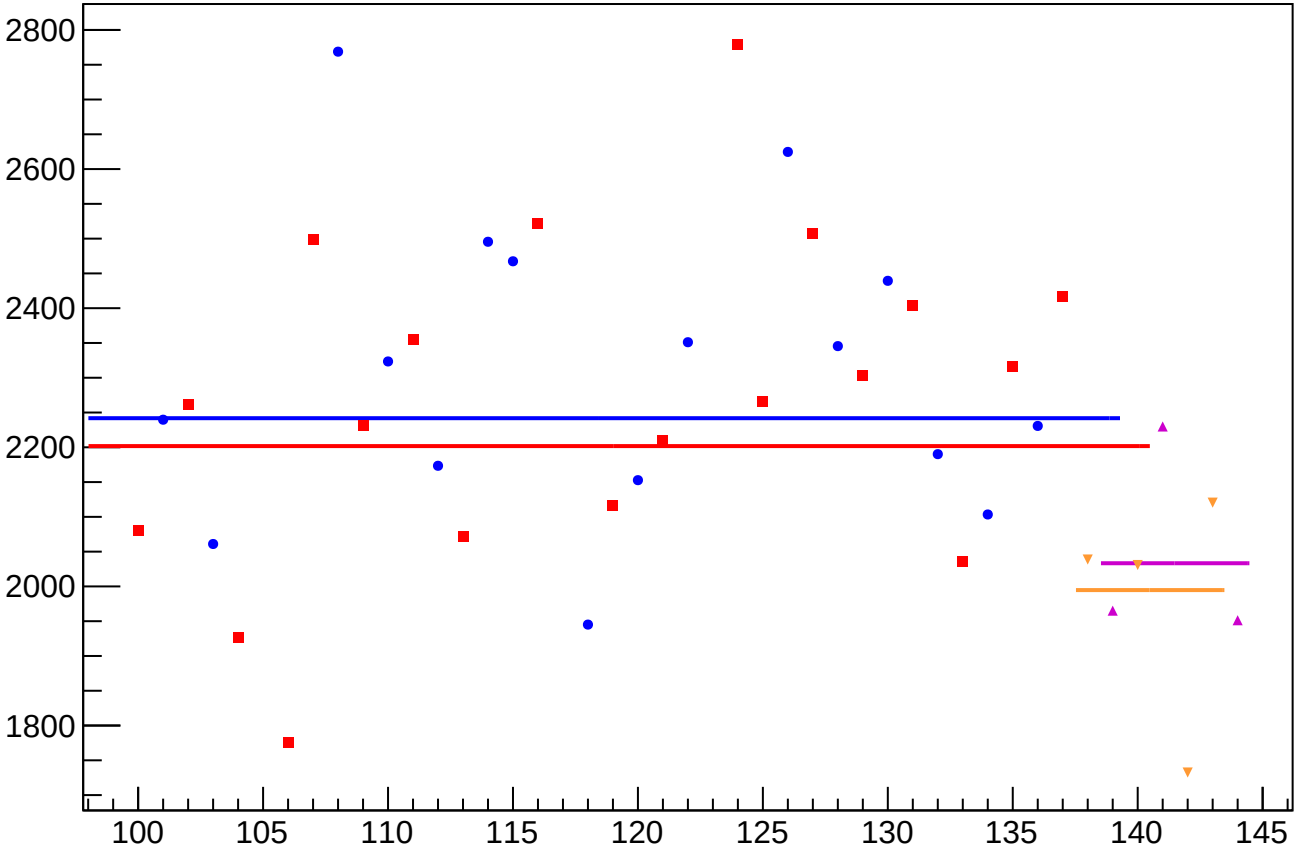
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 8.013+/-0.698 χ^2/NDF:401.8/18

Out: 6.367+/-0.668 χ^2/NDF:135.0/22

All: 7.153+/-0.482 χ^2/NDF: 539.7/41

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 1994.718+/-0.835 χ^2/NDF:27069.7/3

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2033.322+/-0.893 χ^2/NDF:18609.6/2

Left: 2012.728+/-0.610 χ^2/NDF: 46676.0/6

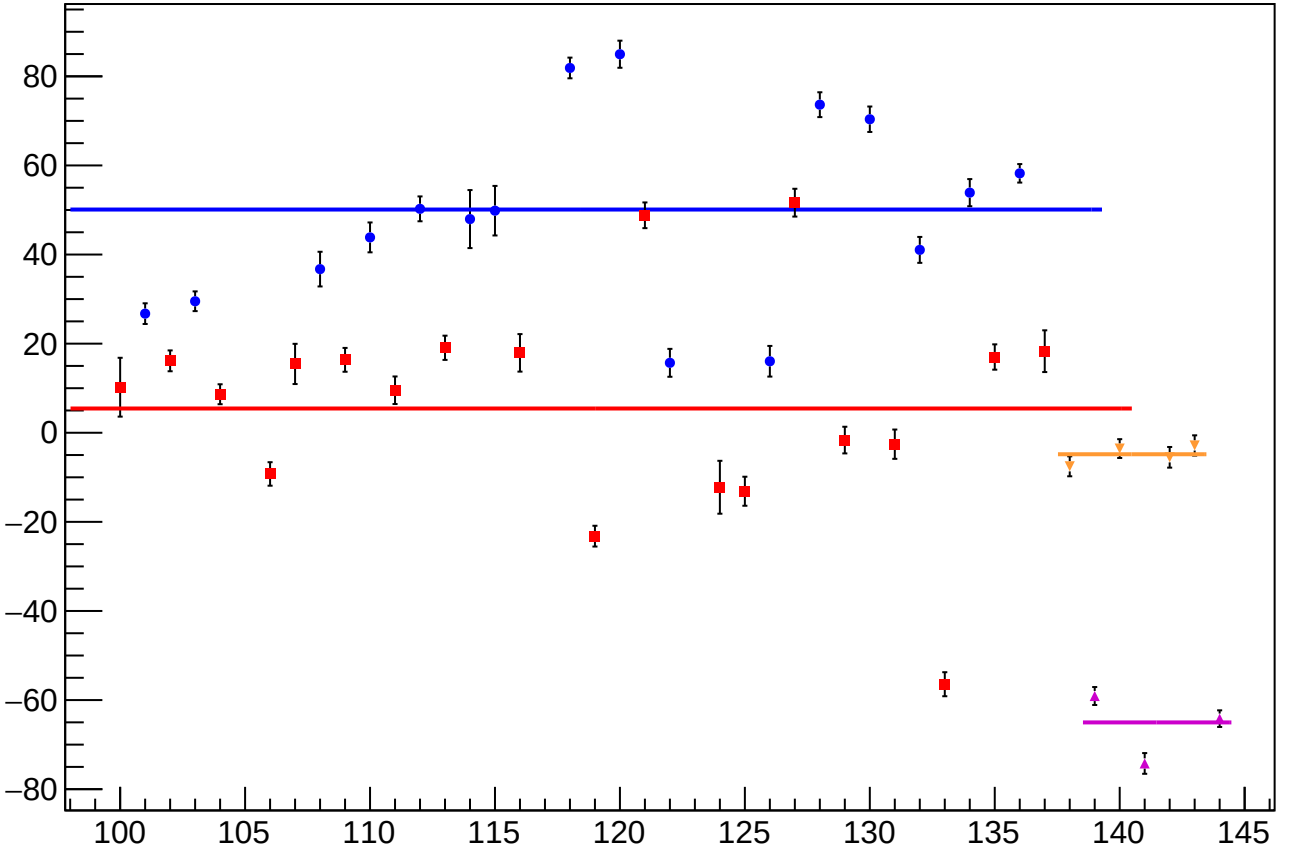
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2178.155+/-0.494 χ^2/NDF:158736.3/18

Out: 2135.596+/-0.472 χ^2/NDF:198764.9/22

All: 2155.928+/-0.341 χ^2/NDF: 361384.0/41

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.824+/-1.116 χ^2/NDF:2.7/3

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -65.015+/-1.180 χ^2/NDF:24.5/2

Left: -33.253+/-0.811 χ^2/NDF: 1401.3/6

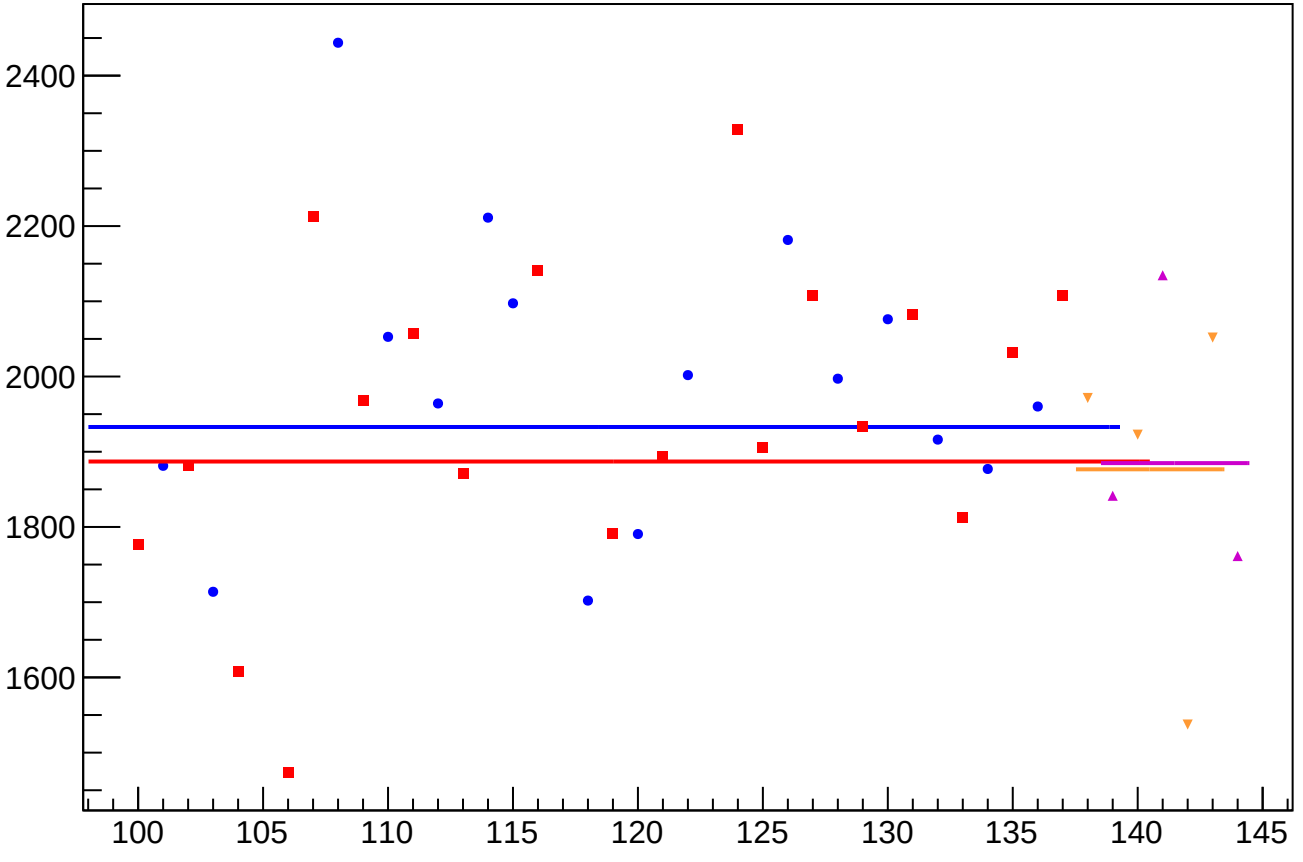
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 18.719+/-0.616 χ^2/NDF:7841.3/18

Out: 2.578+/-0.589 χ^2/NDF:1375.3/22

All: 10.295+/-0.426 χ^2/NDF: 9575.0/41

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1876.640+/-0.789 χ^2/NDF:59230.0/3

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1884.890+/-0.834 χ^2/NDF:32780.8/2

Left: 1880.537+/-0.573 χ^2/NDF: 92062.4/6

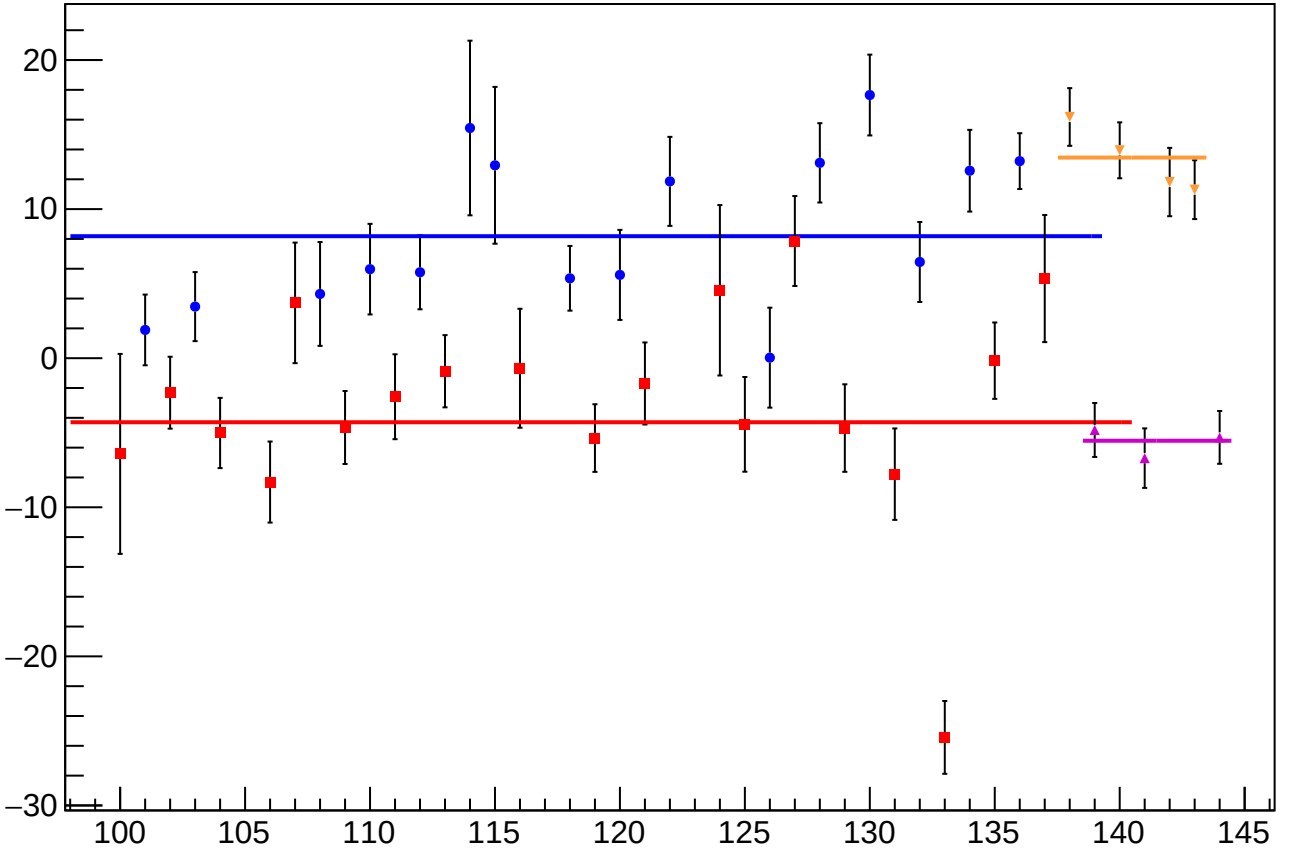
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1919.814+/-0.435 χ^2/NDF:141158.9/18

Out: 1884.113+/-0.417 χ^2/NDF:209100.9/22

All: 1901.183+/-0.301 χ^2/NDF: 353767.2/41

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.458+/-1.001 χ^2/NDF:3.8/3

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -5.537+/-1.069 χ^2/NDF:0.5/2

Left: 4.586+/-0.731 χ^2/NDF: 172.5/6

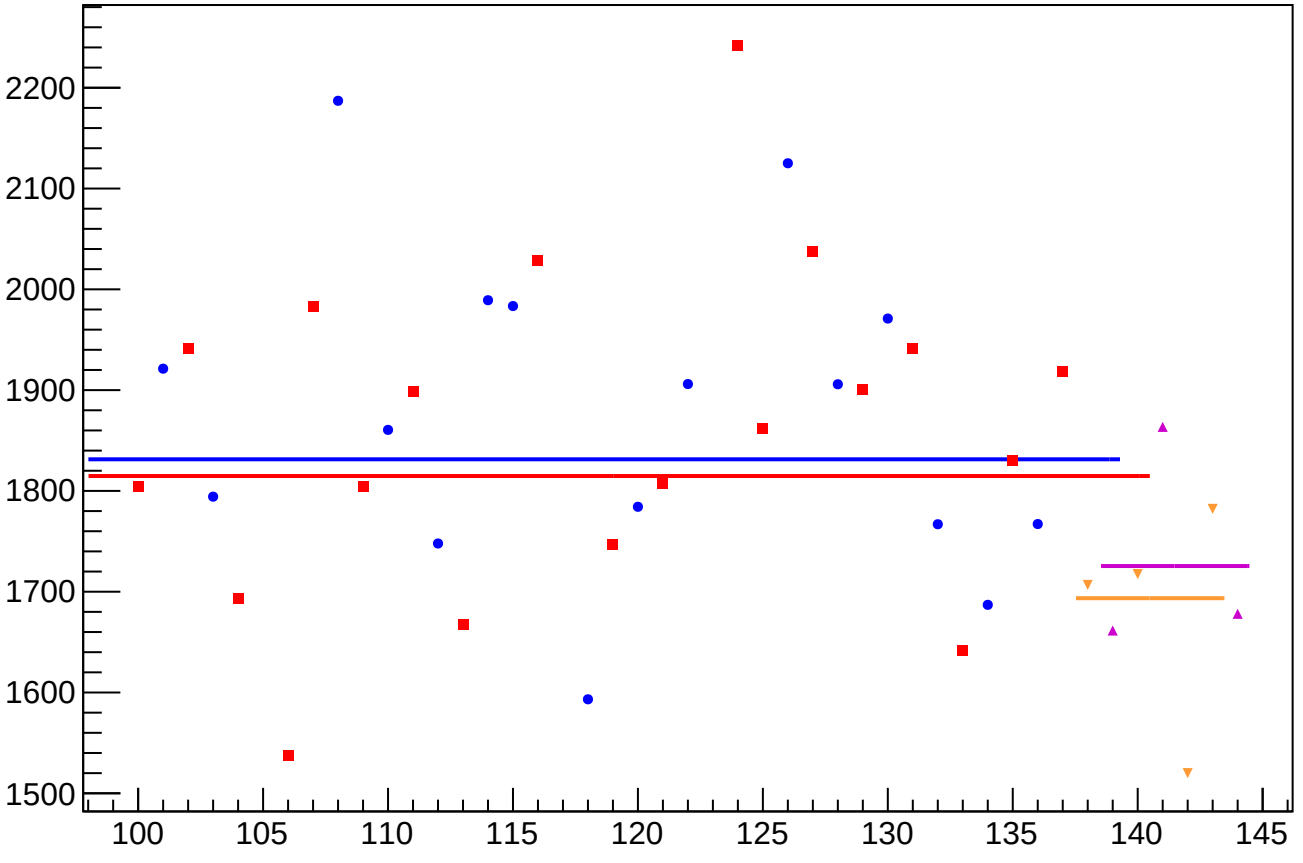
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.202+/-0.576 χ^2/NDF:169.4/18

Out: 1.146+/-0.554 χ^2/NDF:335.9/22

All: 2.615+/-0.399 χ^2/NDF: 519.9/41

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1693.575+/-0.708 χ^2/NDF:15924.3/3

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1725.470+/-0.756 χ^2/NDF:13491.7/2

Left: 1708.472+/-0.517 χ^2/NDF: 30364.8/6

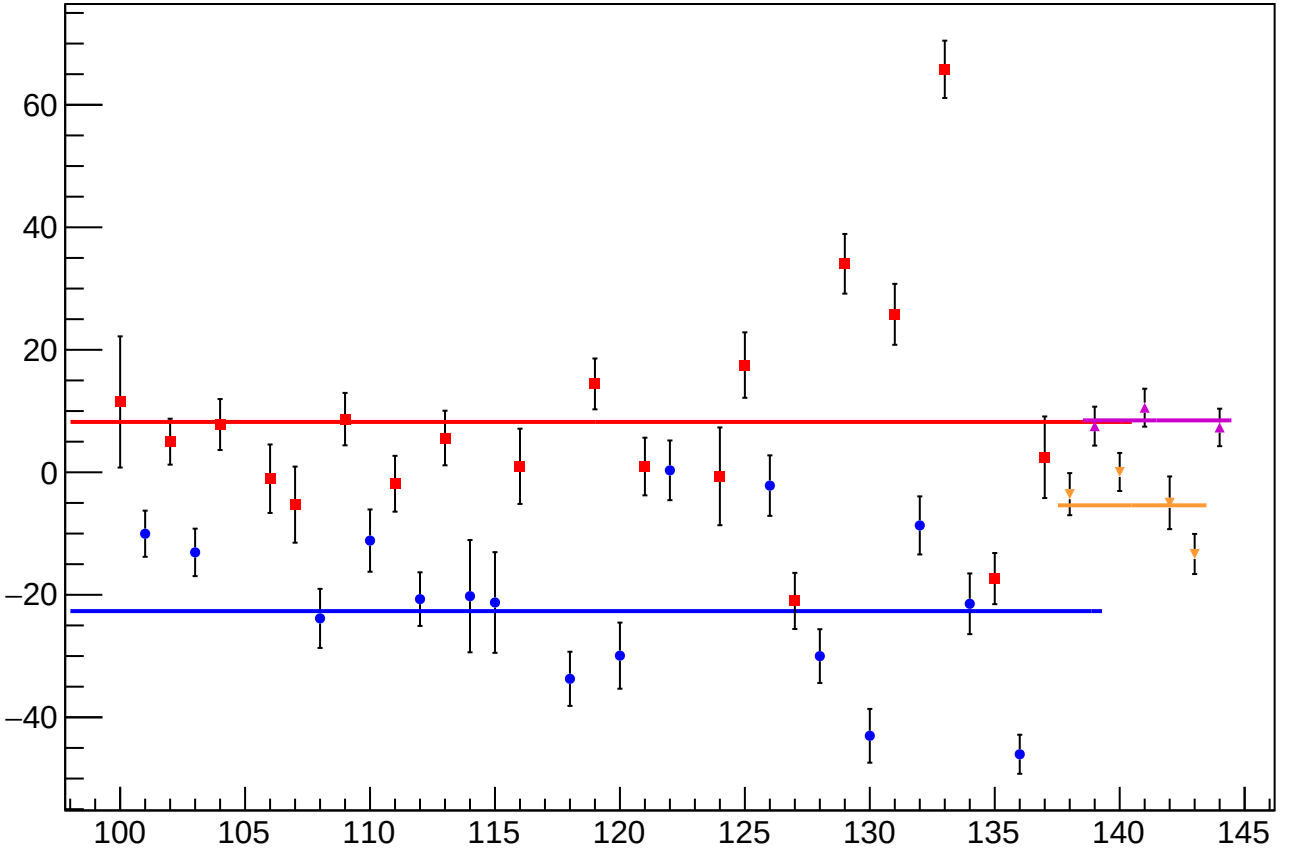
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1800.632+/-0.407 χ^2/NDF:114337.6/18

Out: 1777.618+/-0.392 χ^2/NDF:127001.1/22

All: 1788.682+/-0.282 χ^2/NDF: 242997.1/41

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -5.391+/-1.726 χ^2/NDF:9.2/3

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 8.478+/-1.795 χ^2/NDF:0.7/2

Left: 1.272+/-1.244 χ^2/NDF: 40.9/6

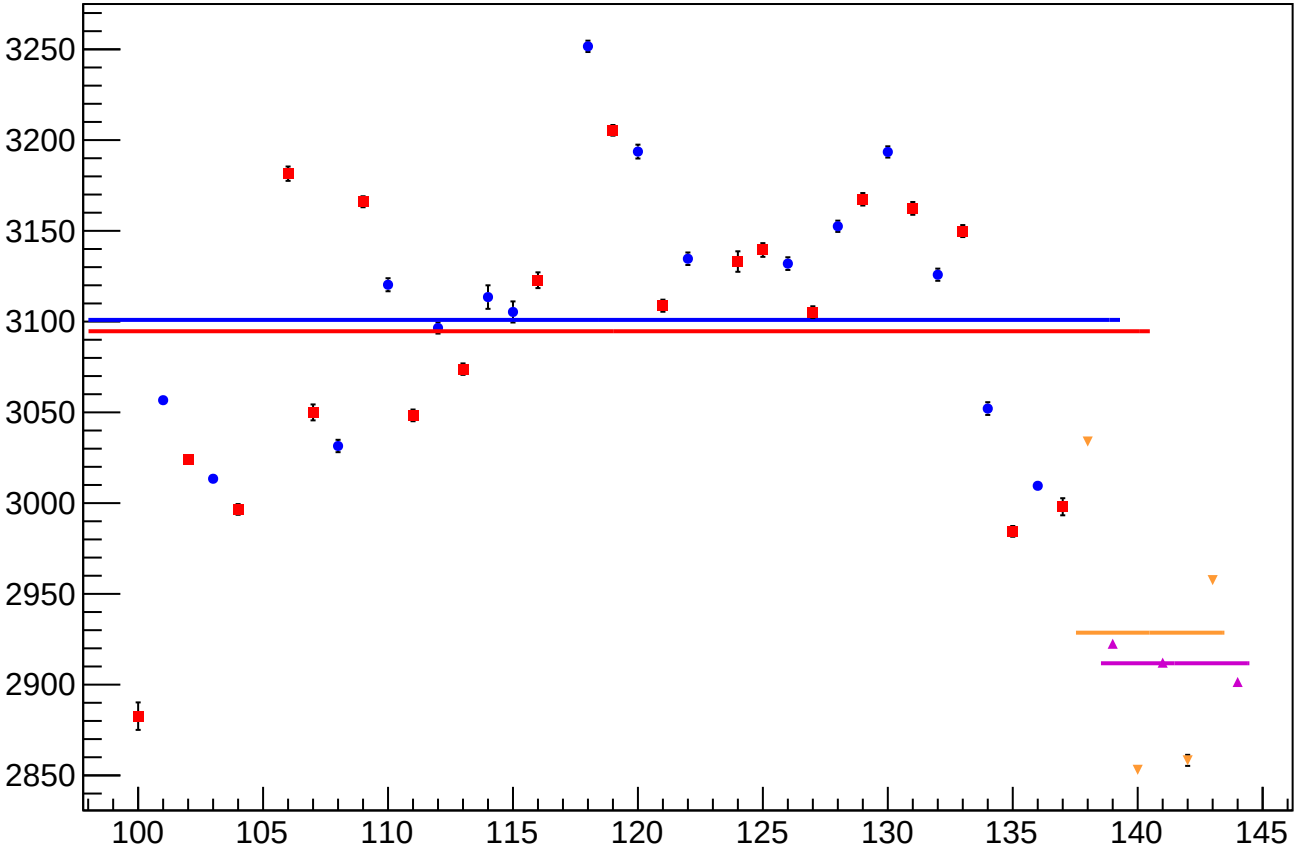
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -13.580+/-0.969 χ^2/NDF:371.0/18

Out: 4.146+/-0.945 χ^2/NDF:347.6/22

All: -4.488+/-0.677 χ^2/NDF: 890.1/41

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2928.629+/-1.221 χ^2/NDF:3752.5/3

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2911.771+/-1.269 χ^2/NDF:45.7/2

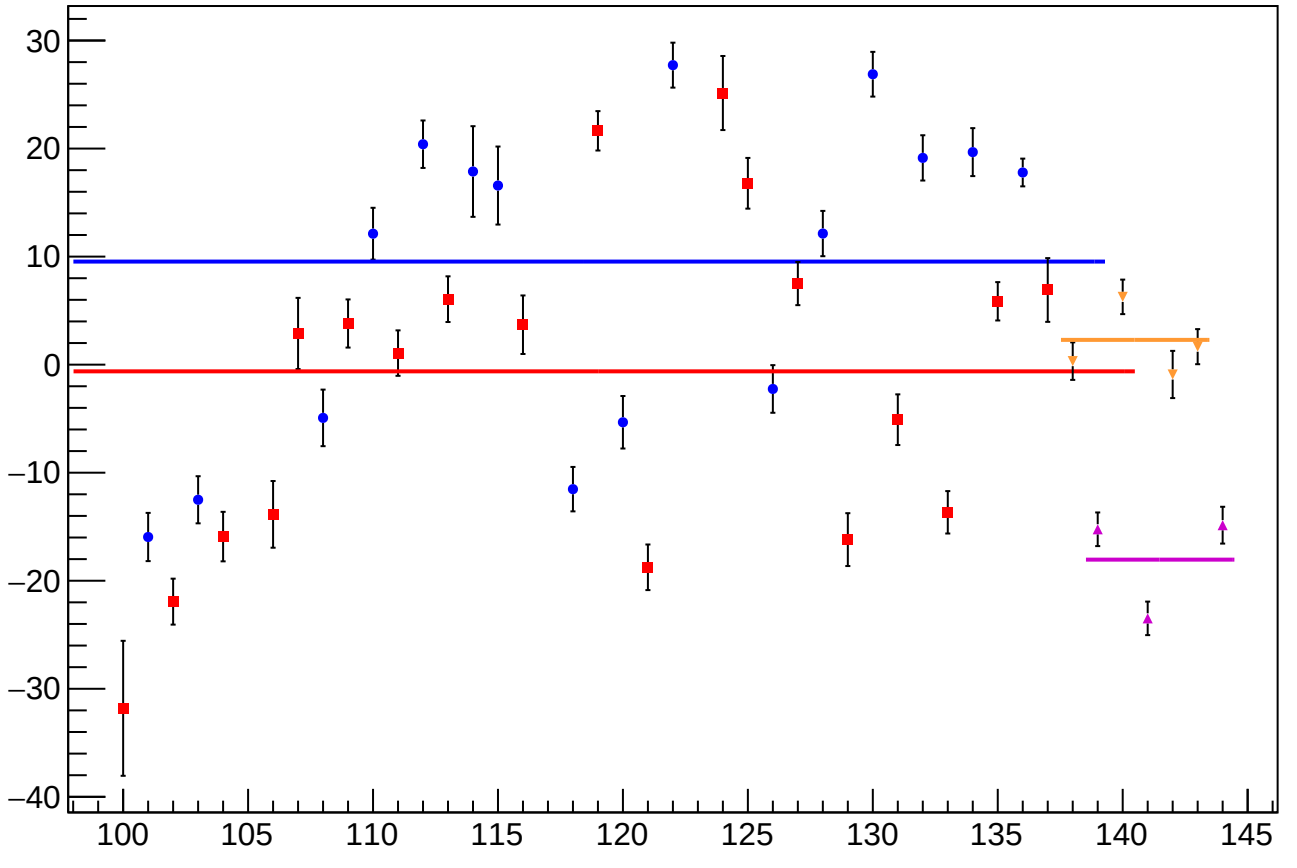
Left: 2920.529+/-0.880 χ^2/NDF: 3889.8/6

Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3045.765+/-0.686 χ^2/NDF:23671.0/18

Out: 3044.951+/-0.668 χ^2/NDF:25301.1/22

All: 3045.347+/-0.478 χ^2/NDF: 48972.8/41



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 2.293+/-0.873 χ^2/NDF:9.8/3

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -18.047+/-0.923 χ^2/NDF:19.0/2

Left: -7.306+/-0.634 χ^2/NDF: 285.0/6

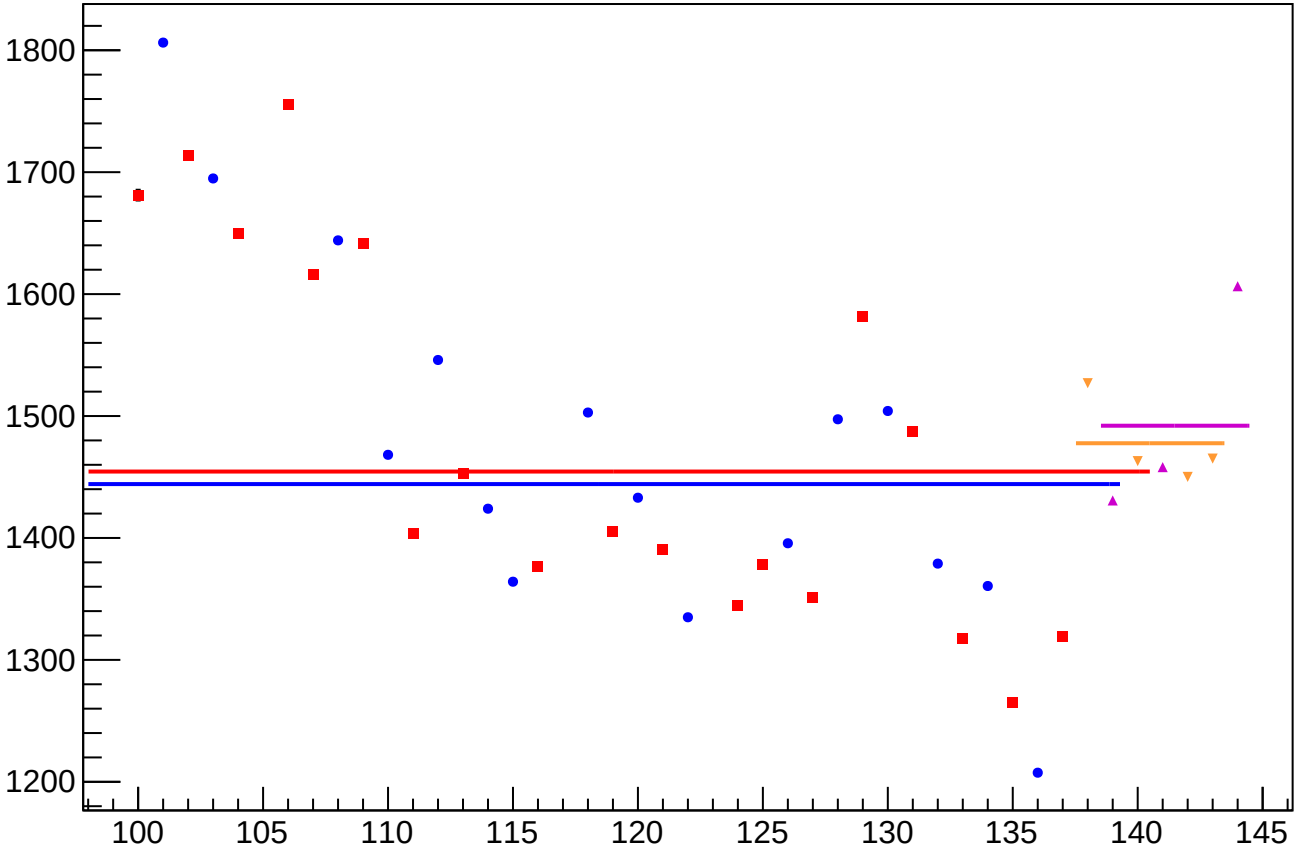
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 2.486+/-0.467 χ^2/NDF:1382.0/18

Out: 0.174+/-0.456 χ^2/NDF:683.7/22

All: 1.301+/-0.326 χ^2/NDF: 2078.2/41

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1477.683+/-0.617 χ^2/NDF:2214.6/3

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1492.058+/-0.653 χ^2/NDF:13075.7/2

Left: 1484.467+/-0.449 χ^2/NDF: 15546.2/6

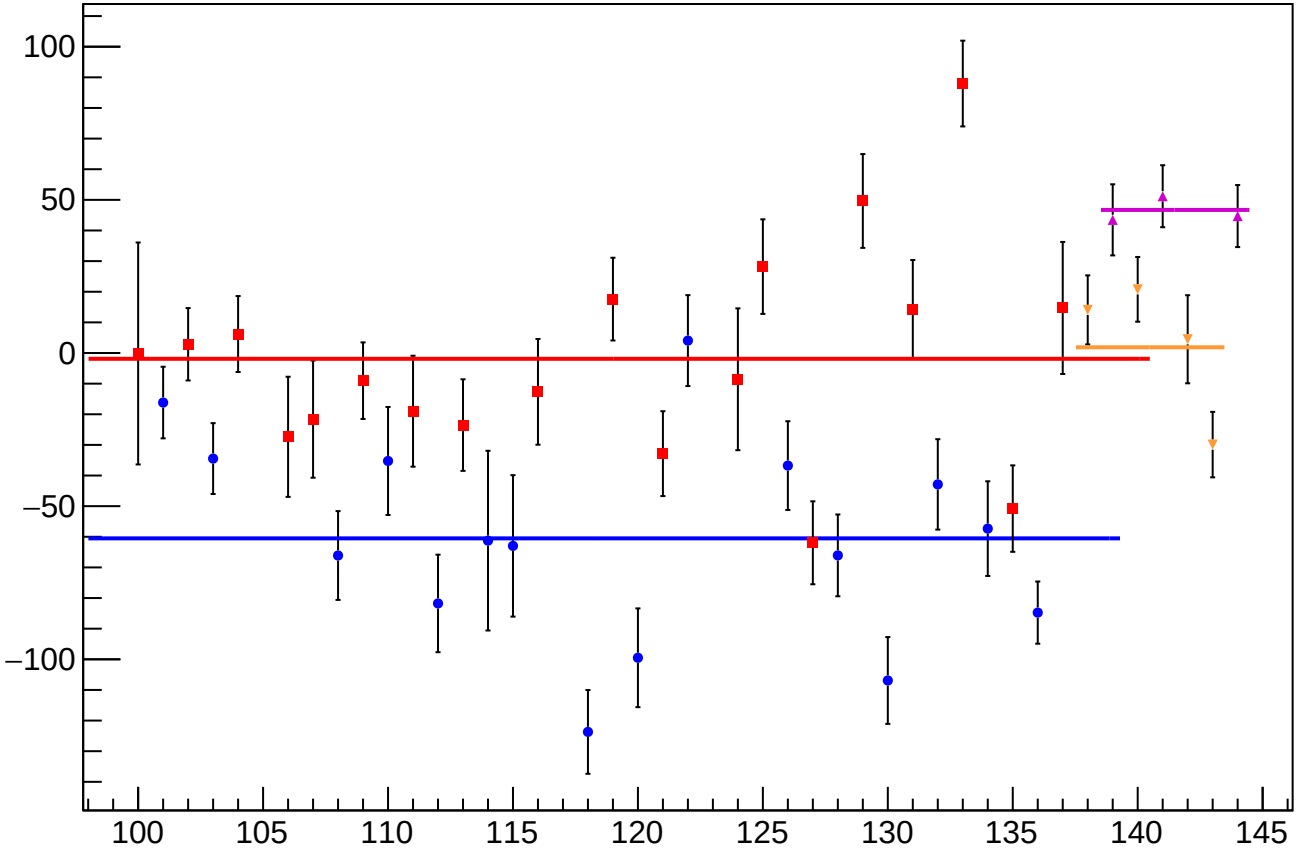
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1456.429+/-0.330 χ^2/NDF:197223.5/18

Out: 1460.792+/-0.322 χ^2/NDF:146016.4/22

All: 1458.665+/-0.231 χ^2/NDF: 343329.3/41

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 1.863+/-5.734 χ^2/NDF:13.3/3

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 46.714+/-6.093 χ^2/NDF:0.3/2

Left: 22.928+/-4.176 χ^2/NDF: 42.3/6

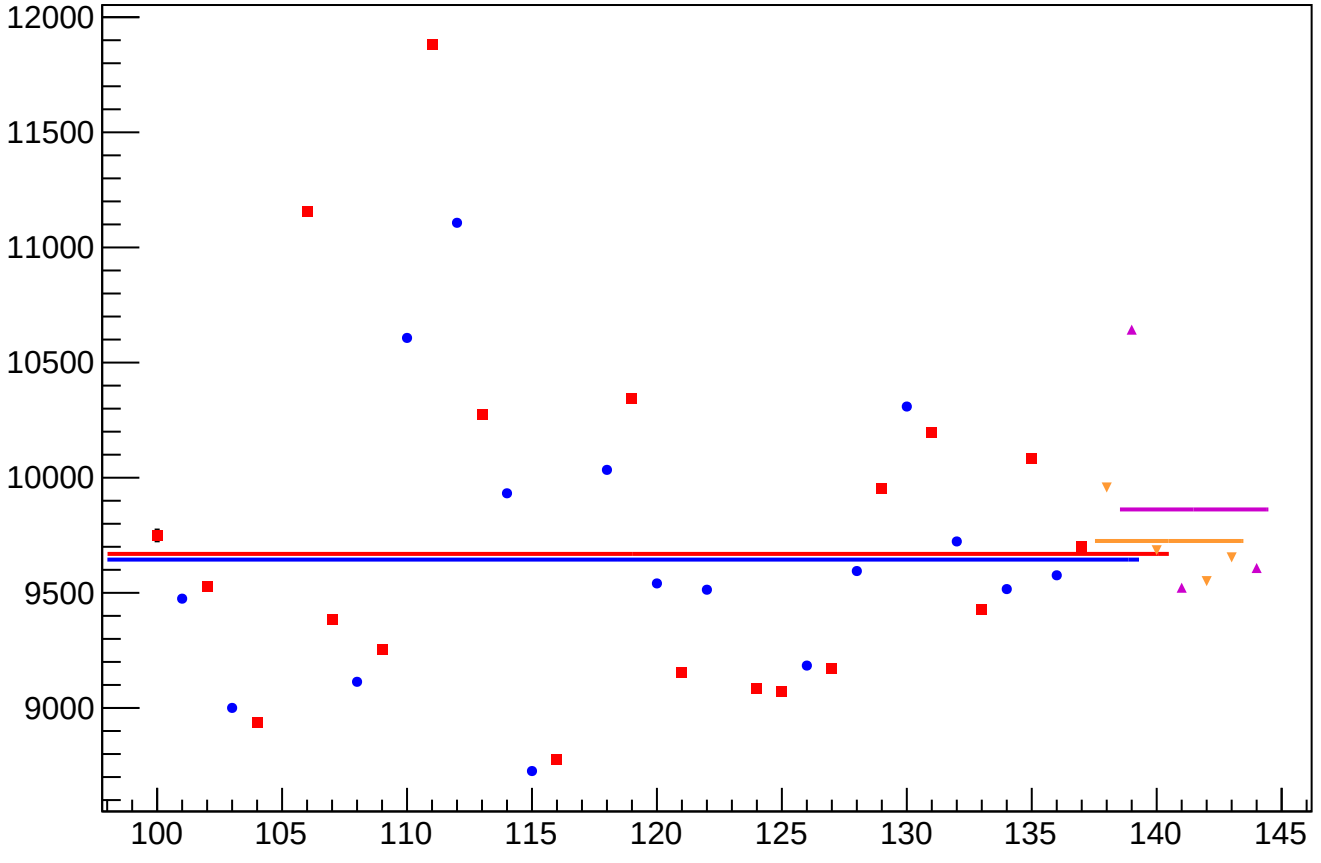
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -32.811+/-3.097 χ^2/NDF:320.4/18

Out: -0.856+/-3.014 χ^2/NDF:117.4/22

All: -16.399+/-2.160 χ^2/NDF: 492.4/41

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9725.252+/-4.054 χ^2/NDF:1261.4/3

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9862.170+/-4.308 χ^2/NDF:12568.7/2

Left: 9789.558+/-2.953 χ^2/NDF: 14365.7/6

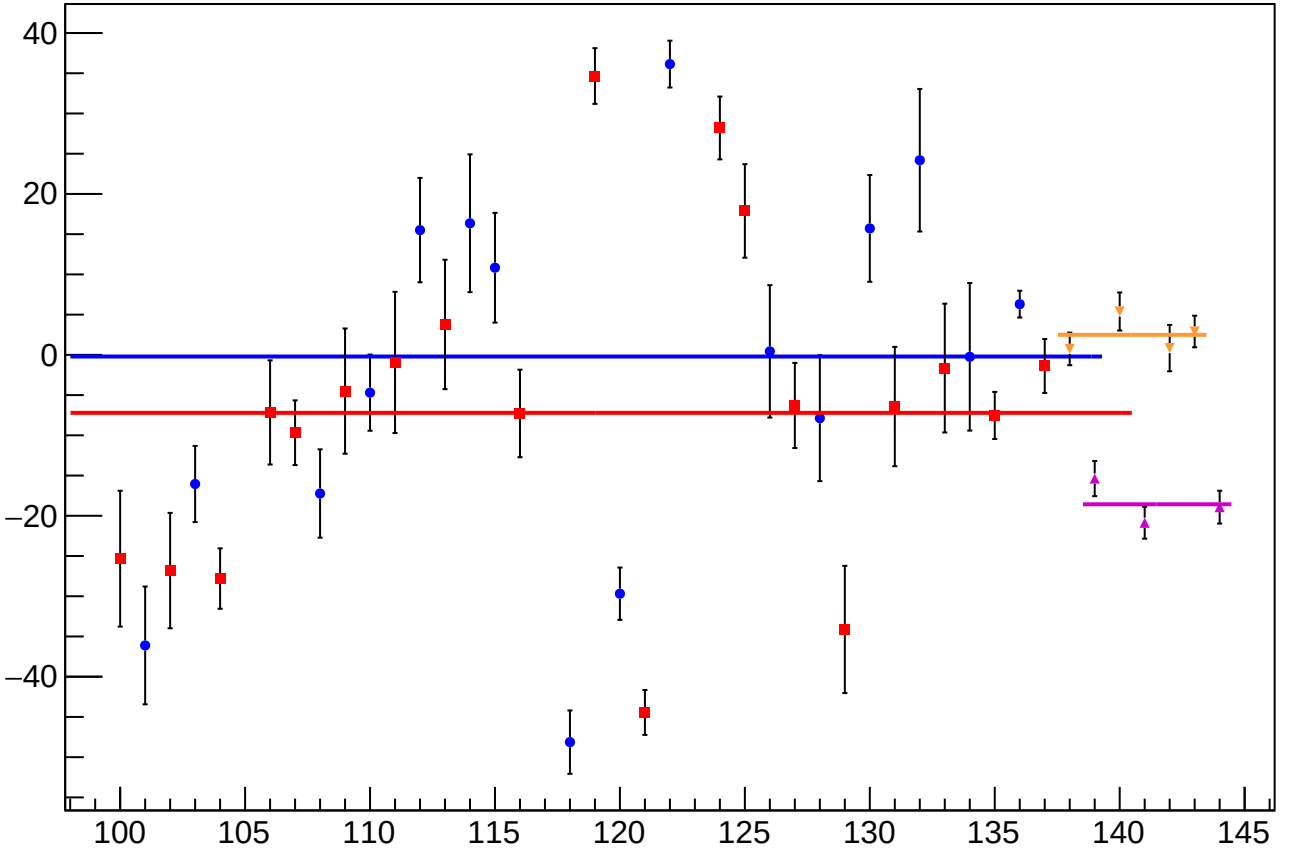
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9700.663+/-2.190 χ^2/NDF:58565.2/18

Out: 9684.641+/-2.131 χ^2/NDF:81278.1/22

All: 9692.434+/-1.527 χ^2/NDF: 139870.8/41

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 2.491+/-1.116 χ^2/NDF:2.6/3

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.571+/-1.191 χ^2/NDF:3.5/2

Left: -7.355+/-0.815 χ^2/NDF: 172.6/6

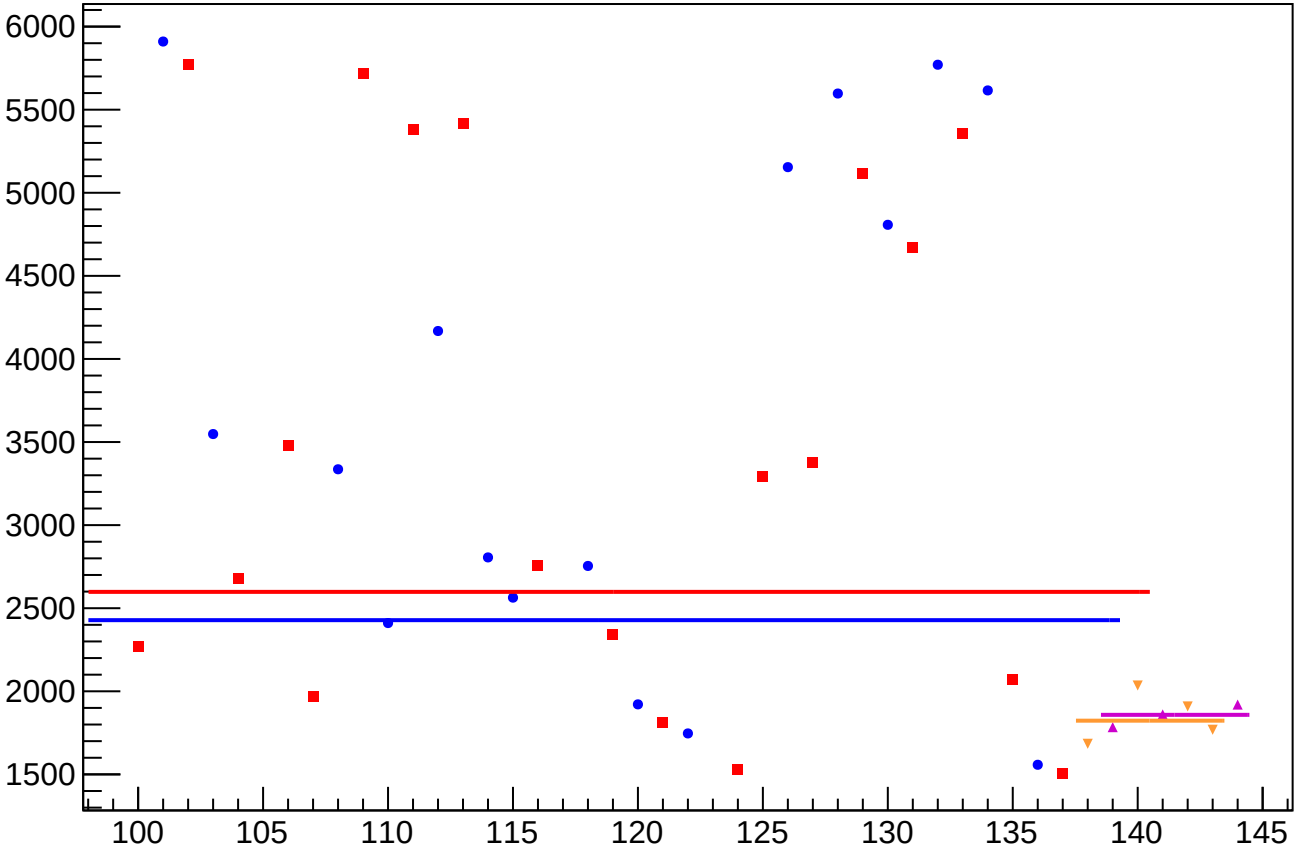
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -8.194+/-0.786 χ^2/NDF:611.5/18

Out: -2.546+/-0.774 χ^2/NDF:527.5/22

All: -5.327+/-0.551 χ^2/NDF: 1165.2/41

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1823.251+/-0.789 χ^2/NDF:28759.4/3

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1858.319+/-0.842 χ^2/NDF:4144.2/2

Left: 1839.644+/-0.576 χ^2/NDF: 33826.3/6

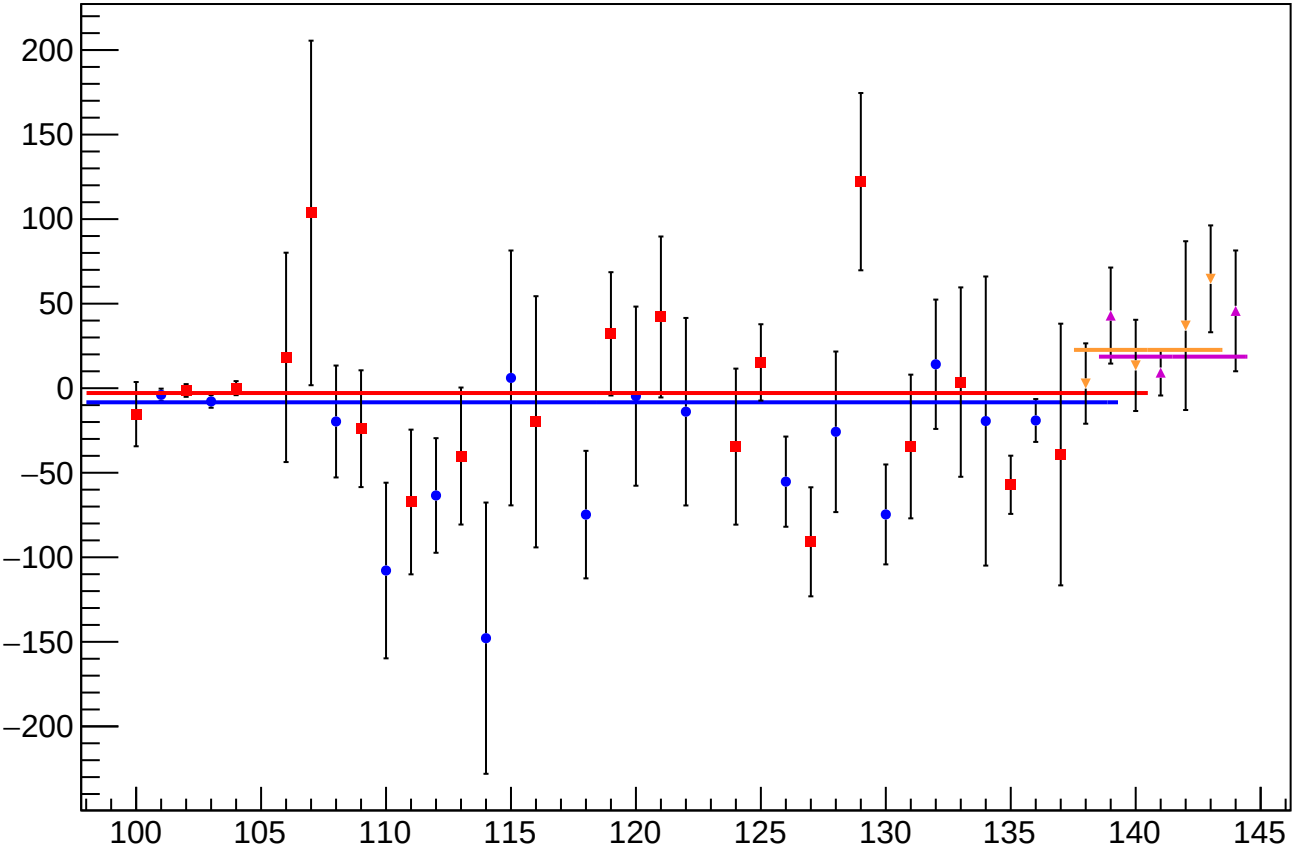
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2180.249+/-0.556 χ^2/NDF:3077914.9/18

Out: 2225.872+/-0.547 χ^2/NDF:3044570.7/22

All: 2203.411+/-0.390 χ^2/NDF: 6125908.5/41

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 22.663+/-14.829 χ^2/NDF:2.7/3

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 18.662+/-11.570 χ^2/NDF:1.8/2

Left: 20.176+/-9.122 χ^2/NDF: 4.5/6

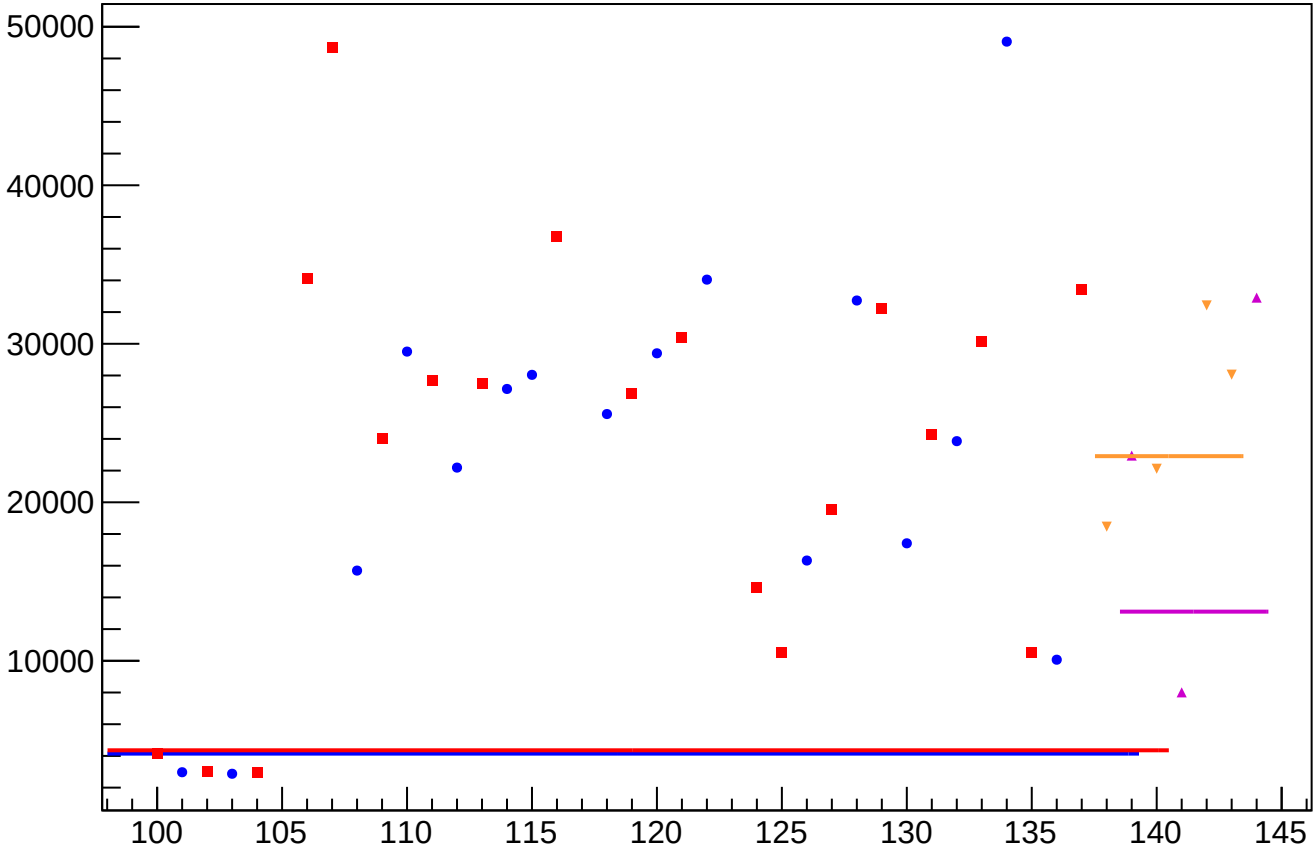
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.129+/-2.443 χ^2/NDF:30.4/18

Out: -2.065+/-2.599 χ^2/NDF:38.2/22

All: -4.753+/-1.780 χ^2/NDF: 70.6/41

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22910.585+/-10.486 χ^2/NDF:197382.1/3

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 13101.871+/-8.181 χ^2/NDF:1137863.0/2

Left: 16813.665+/-6.450 χ^2/NDF: 1879175.2/6

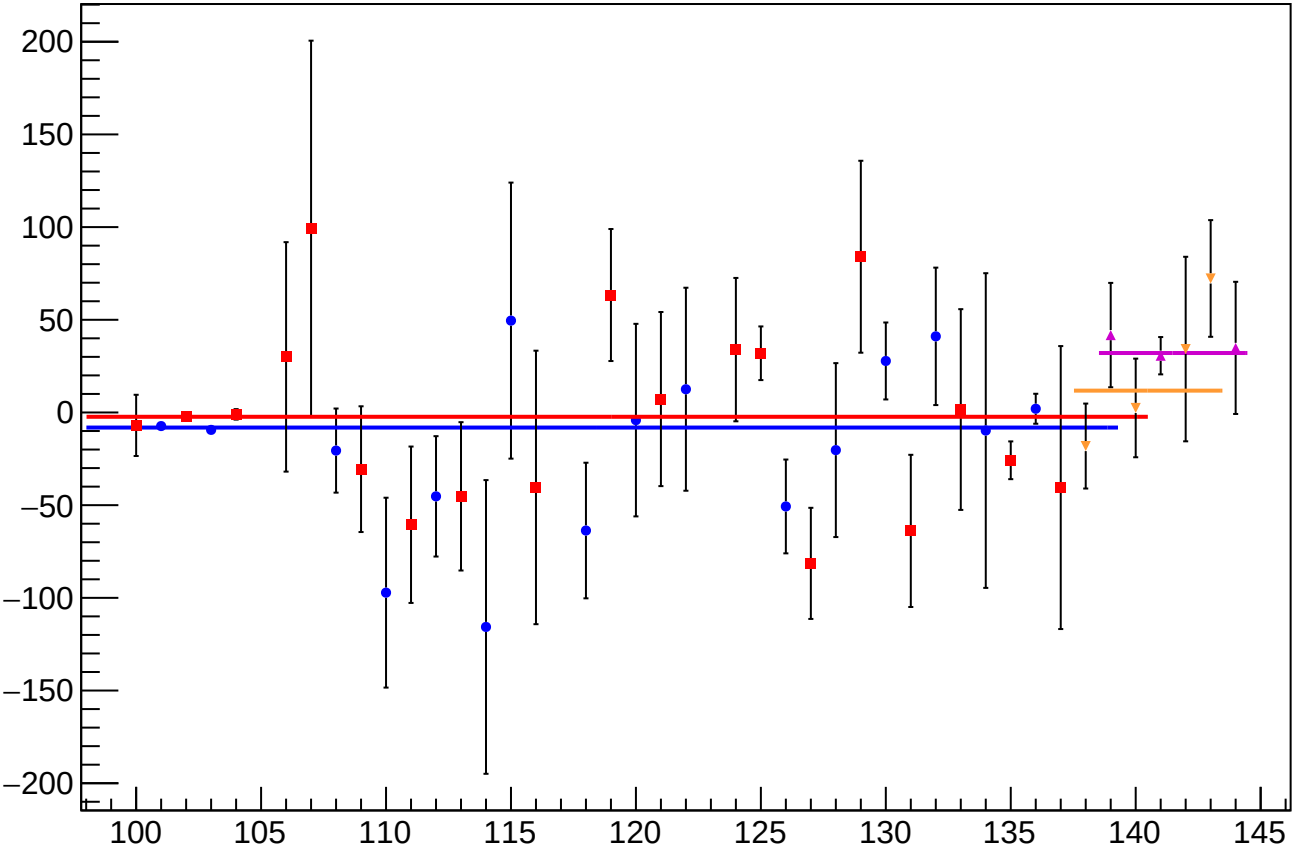
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4545.087+/-1.727 χ^2/NDF:9119734.7/18

Out: 4924.333+/-1.838 χ^2/NDF:10857775.6/22

All: 4723.009+/-1.259 χ^2/NDF: 20000121.7/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 11.785+/-14.539 χ^2/NDF:5.7/3

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 32.078+/-9.159 χ^2/NDF:0.1/2

Left: 26.313+/-7.749 χ^2/NDF: 7.3/6

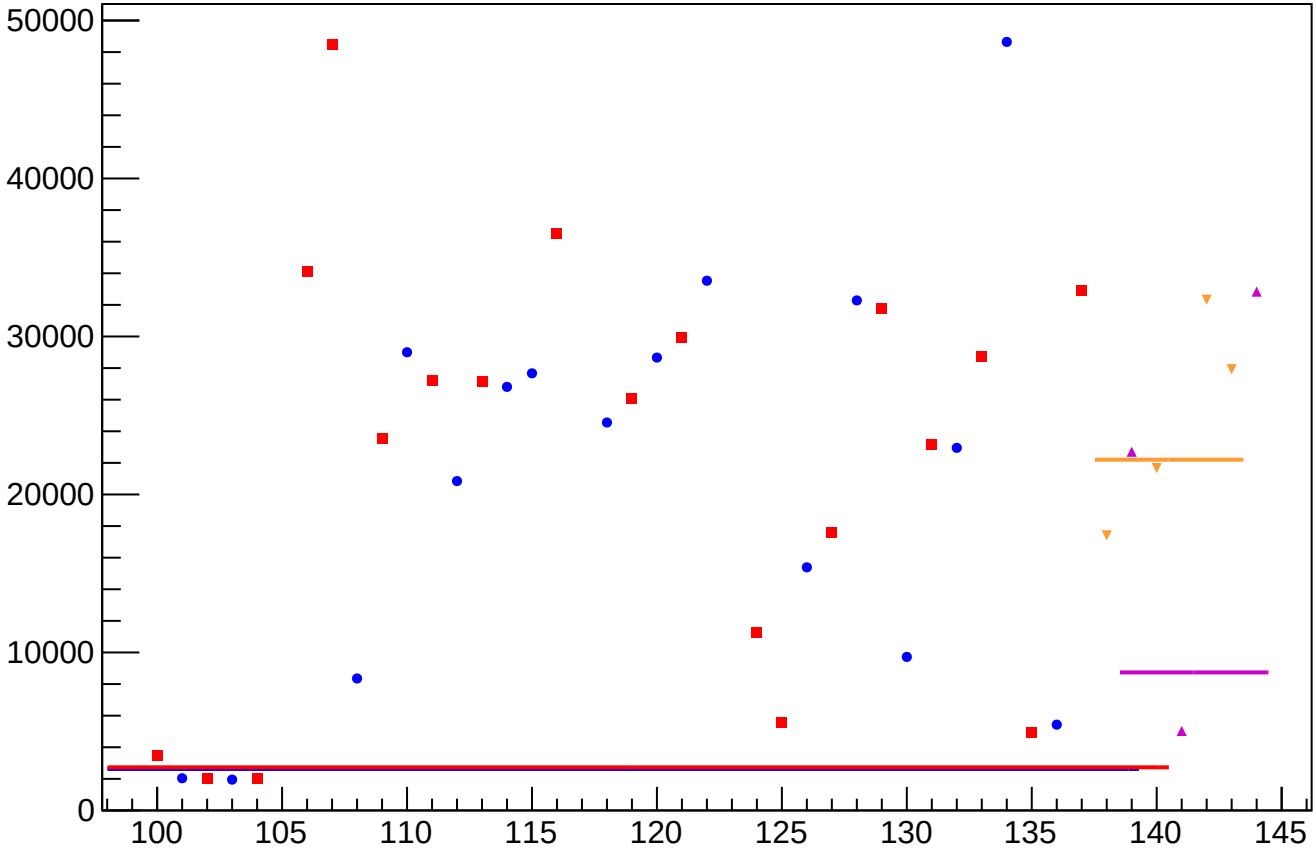
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.762+/-1.691 χ^2/NDF:37.9/18

Out: -2.107+/-1.808 χ^2/NDF:39.7/22

All: -4.589+/-1.235 χ^2/NDF: 81.1/41

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22201.959+/-10.280 χ^2/NDF:237204.5/3

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 8736.950+/-6.476 χ^2/NDF:1677562.2/2

Left: 12562.321+/-5.480 χ^2/NDF: 3142890.4/6

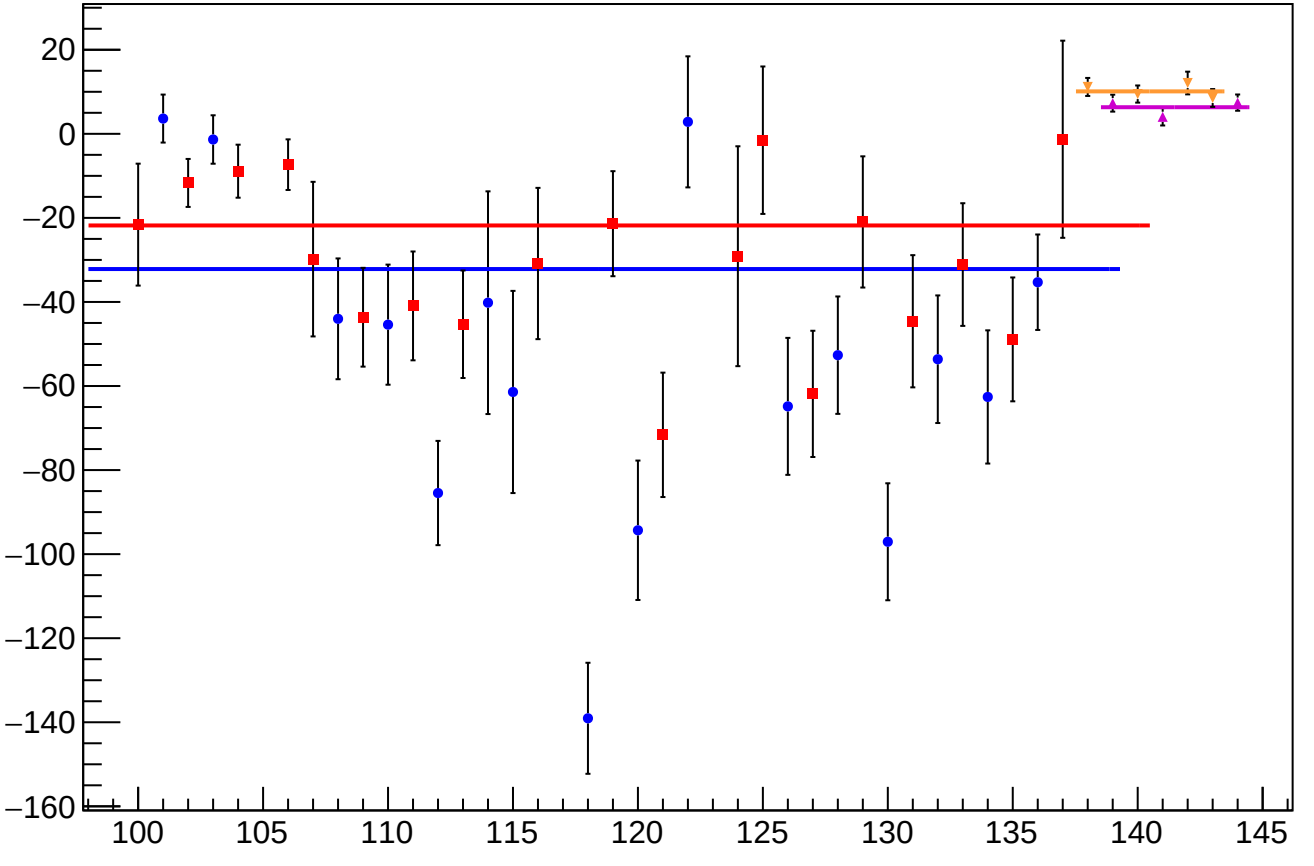
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2834.689+/-1.196 χ^2/NDF:9318367.7/18

Out: 3031.202+/-1.278 χ^2/NDF:11755170.1/22

All: 2926.397+/-0.873 χ^2/NDF: 21086145.3/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.098+/-1.106 χ^2/NDF:1.4/3

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 6.330+/-1.157 χ^2/NDF:1.8/2

Left: 8.298+/-0.800 χ^2/NDF: 8.7/6

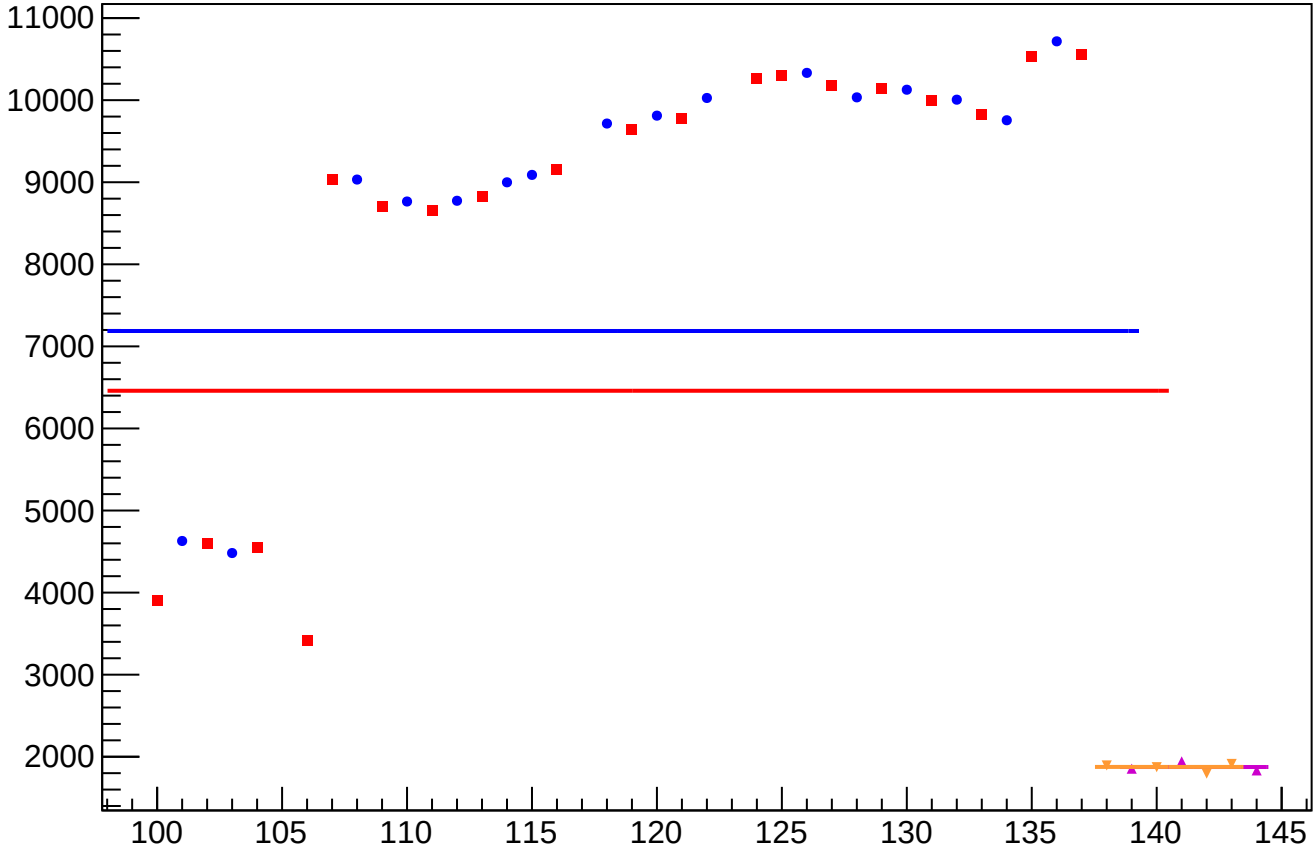
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 0.857+/-1.072 χ^2/NDF:367.0/18

Out: 5.069+/-1.015 χ^2/NDF:181.6/22

All: 3.076+/-0.737 χ^2/NDF: 556.7/41

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1875.980+/-0.782 χ^2/NDF:2571.3/3

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1874.917+/-0.818 χ^2/NDF:3340.9/2

Left: 1875.472+/-0.565 χ^2/NDF: 5913.0/6

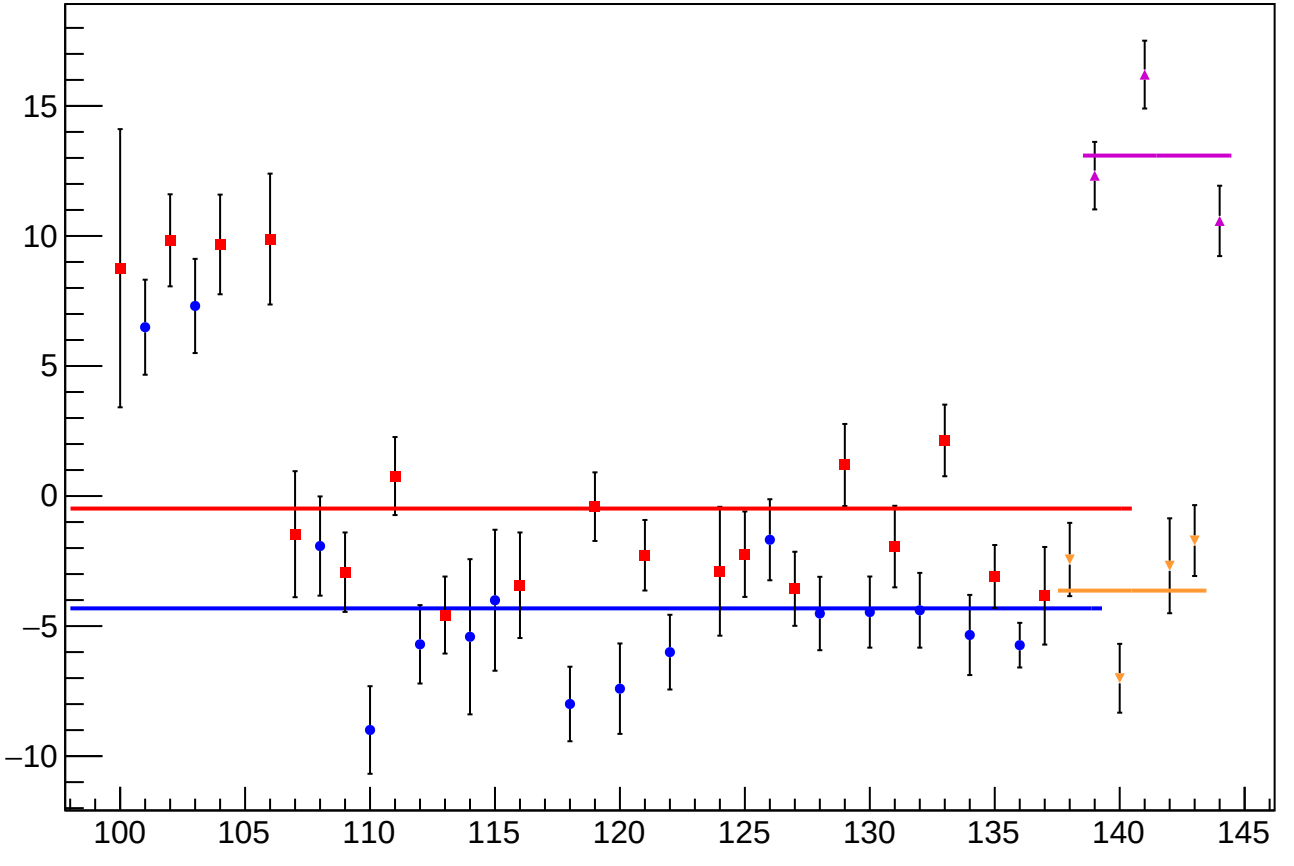
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2630.225+/-0.758 χ^2/NDF:7705143.3/18

Out: 2598.564+/-0.718 χ^2/NDF:7690343.2/22

All: 2613.544+/-0.521 χ^2/NDF: 15396406.5/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.636+/-0.723 χ^2/NDF:9.5/3

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 13.091+/-0.761 χ^2/NDF:9.5/2

Left: 4.302+/-0.524 χ^2/NDF: 273.0/6

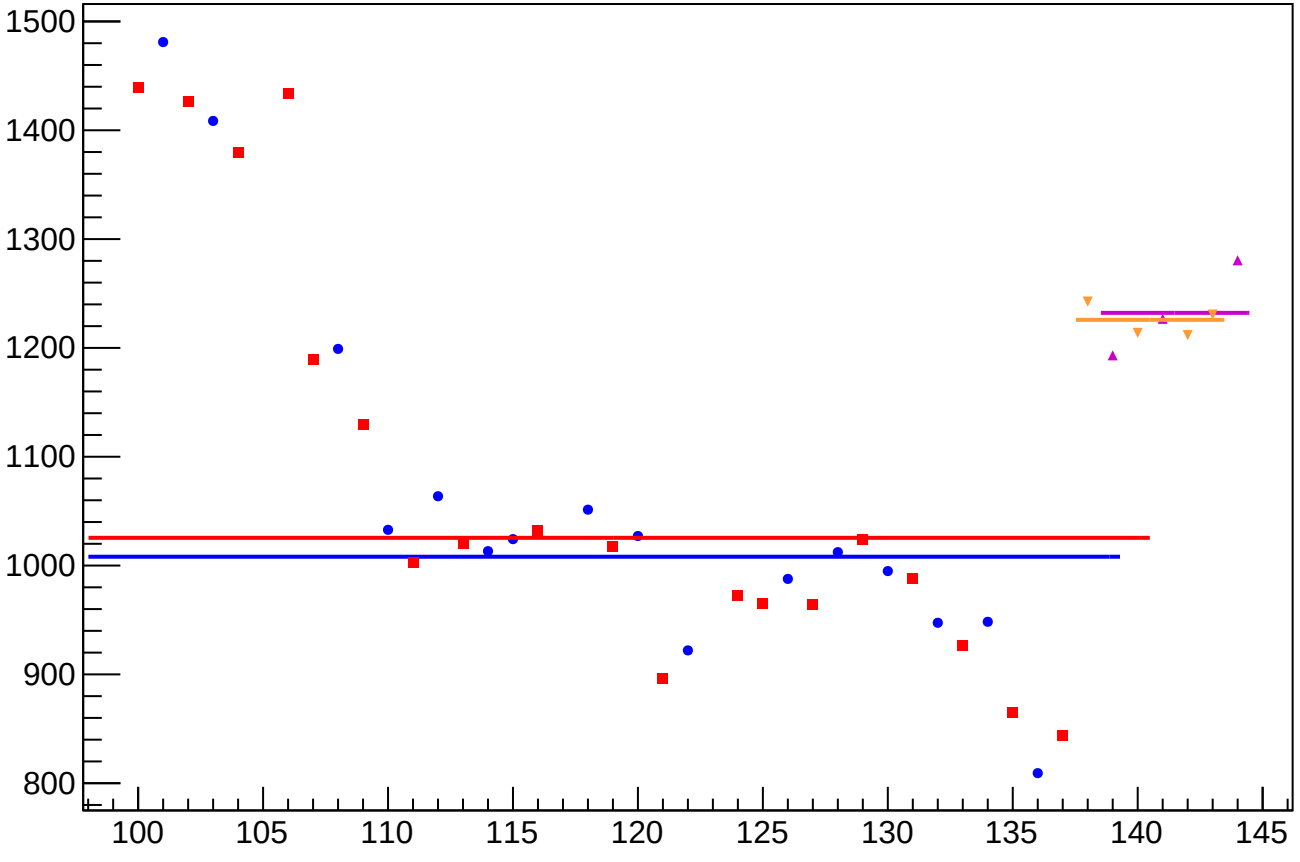
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -0.846+/-0.340 χ^2/NDF:532.4/18

Out: -1.160+/-0.335 χ^2/NDF:141.6/22

All: -1.005+/-0.239 χ^2/NDF: 674.5/41

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1225.803+/-0.511 χ^2/NDF:590.4/3

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1232.230+/-0.538 χ^2/NDF:4392.5/2

Left: 1228.853+/-0.371 χ^2/NDF: 5057.9/6

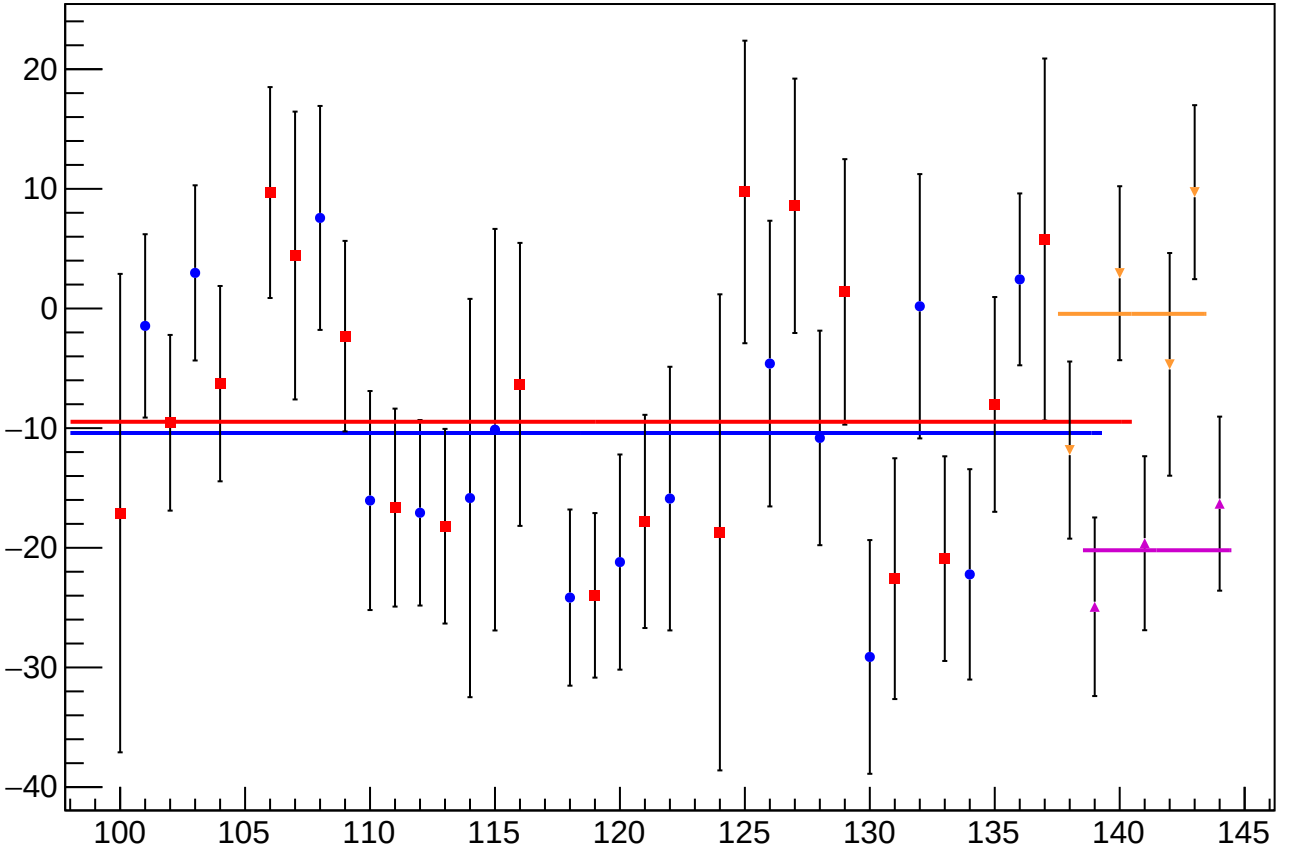
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1052.819+/-0.240 χ^2/NDF:522179.0/18

Out: 1068.609+/-0.237 χ^2/NDF:467075.8/22

All: 1060.816+/-0.169 χ^2/NDF: 991442.3/41

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.446+/-3.845 χ^2/NDF:4.7/3

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -20.205+/-4.234 χ^2/NDF:0.7/2

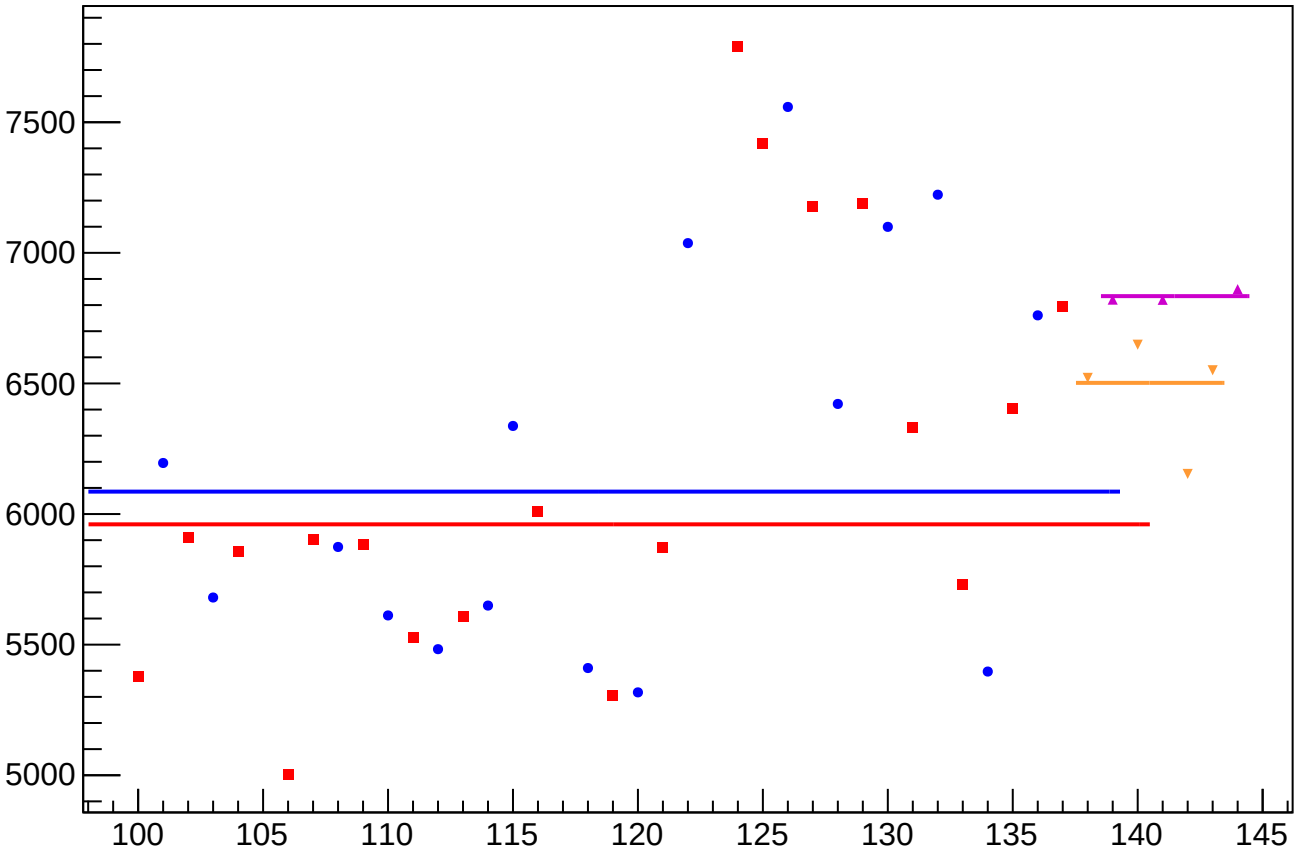
Left: -9.376+/-2.847 χ^2/NDF: 17.4/6

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.607+/-2.007 χ^2/NDF:29.5/18

Out: -7.256+/-1.904 χ^2/NDF:34.3/22

All: -9.789+/-1.381 χ^2/NDF: 67.5/41



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6502.230+/-2.719 χ^2/NDF:3716.4/3

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6834.271+/-2.994 χ^2/NDF:41.1/2

Left: 6652.296+/-2.013 χ^2/NDF: 10497.3/6

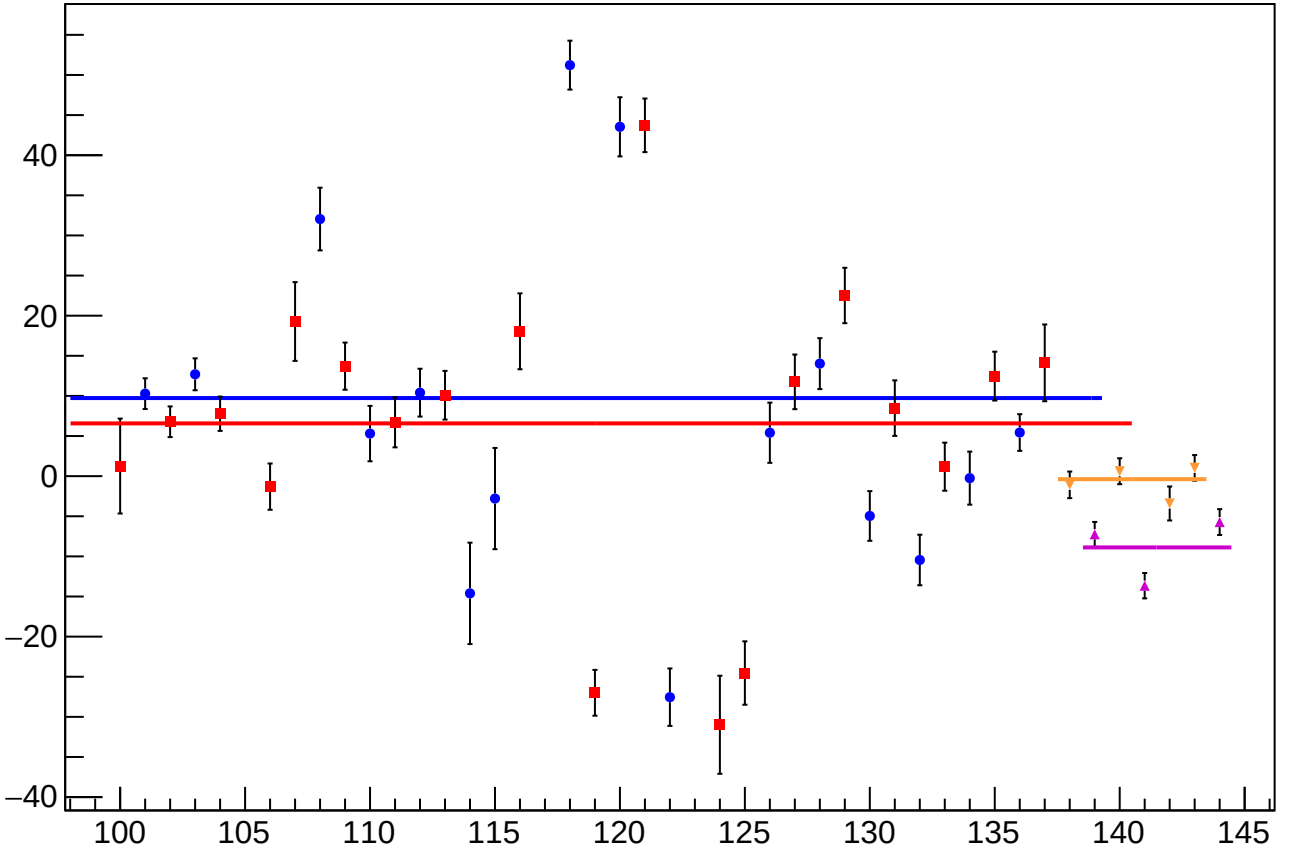
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6254.085+/-1.420 χ^2/NDF:227593.2/18

Out: 6093.349+/-1.346 χ^2/NDF:196443.8/22

All: 6169.450+/-0.977 χ^2/NDF: 430788.2/41

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -0.377+/-0.857 χ^2/NDF:3.4/3

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -8.883+/-0.909 χ^2/NDF:14.1/2

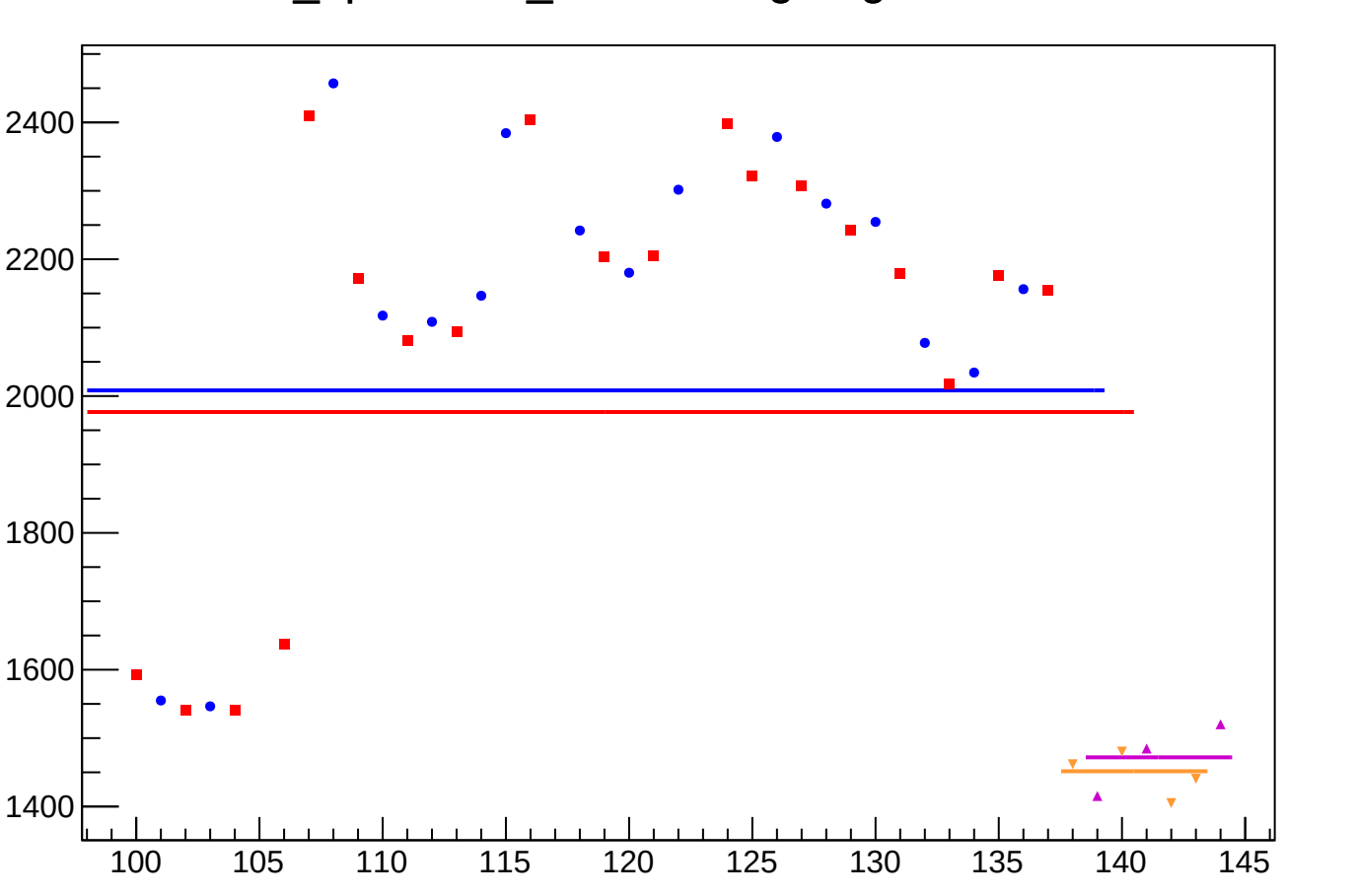
Left: -4.376+/-0.623 χ^2/NDF: 63.9/6

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 2.137+/-0.581 χ^2/NDF:774.6/18

Out: 3.649+/-0.556 χ^2/NDF:465.3/22

All: 2.926+/-0.402 χ^2/NDF: 1243.5/41



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1451.568+/-0.606 χ^2/NDF:1772.7/3

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1471.900+/-0.643 χ^2/NDF:4635.1/2

Left: 1461.127+/-0.441 χ^2/NDF: 6937.7/6

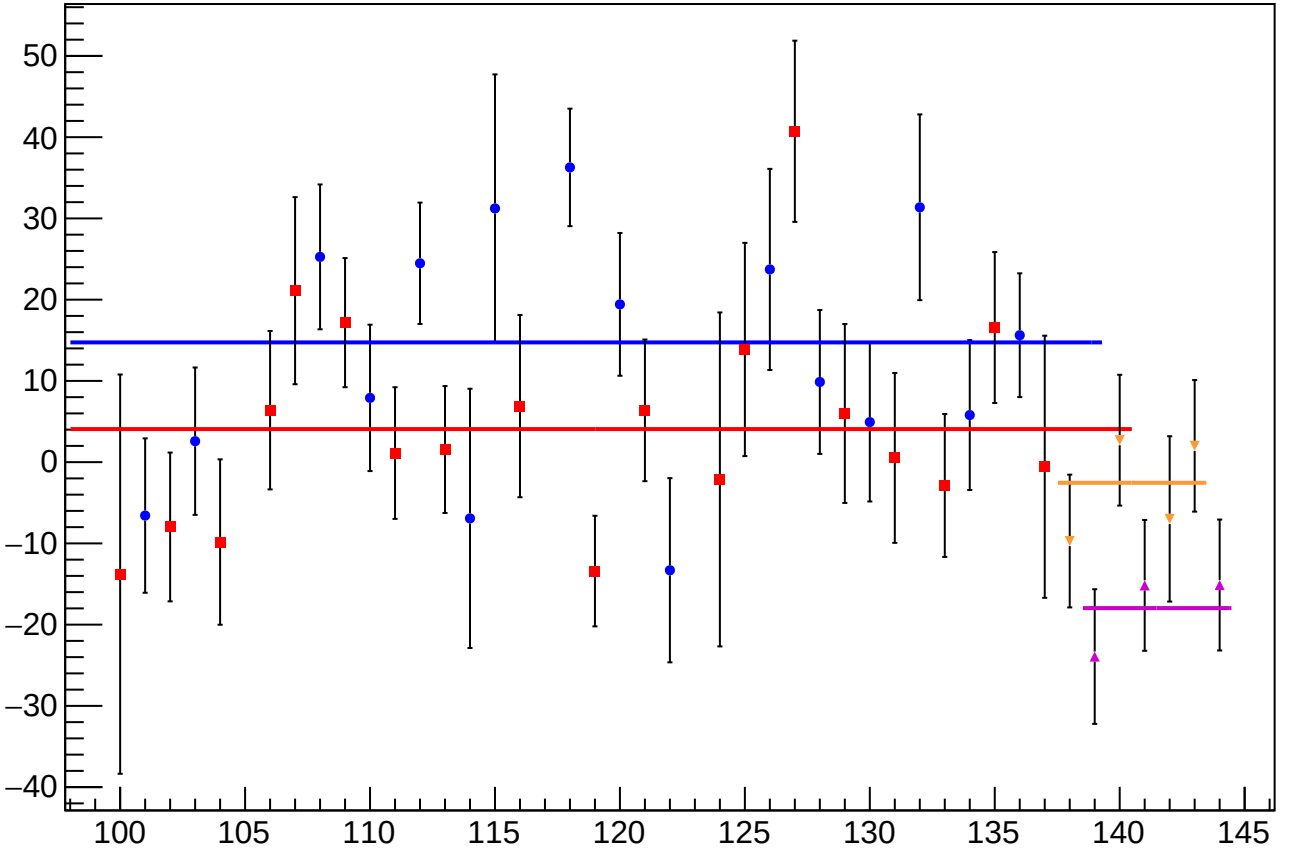
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1789.432+/-0.411 χ^2/NDF:761009.0/18

Out: 1755.627+/-0.393 χ^2/NDF:802392.0/22

All: 1771.783+/-0.284 χ^2/NDF: 1566937.8/41

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.541+/-4.252 χ^2/NDF:1.7/3

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -17.963+/-4.694 χ^2/NDF:0.8/2

Left: -9.491+/-3.151 χ^2/NDF: 8.4/6

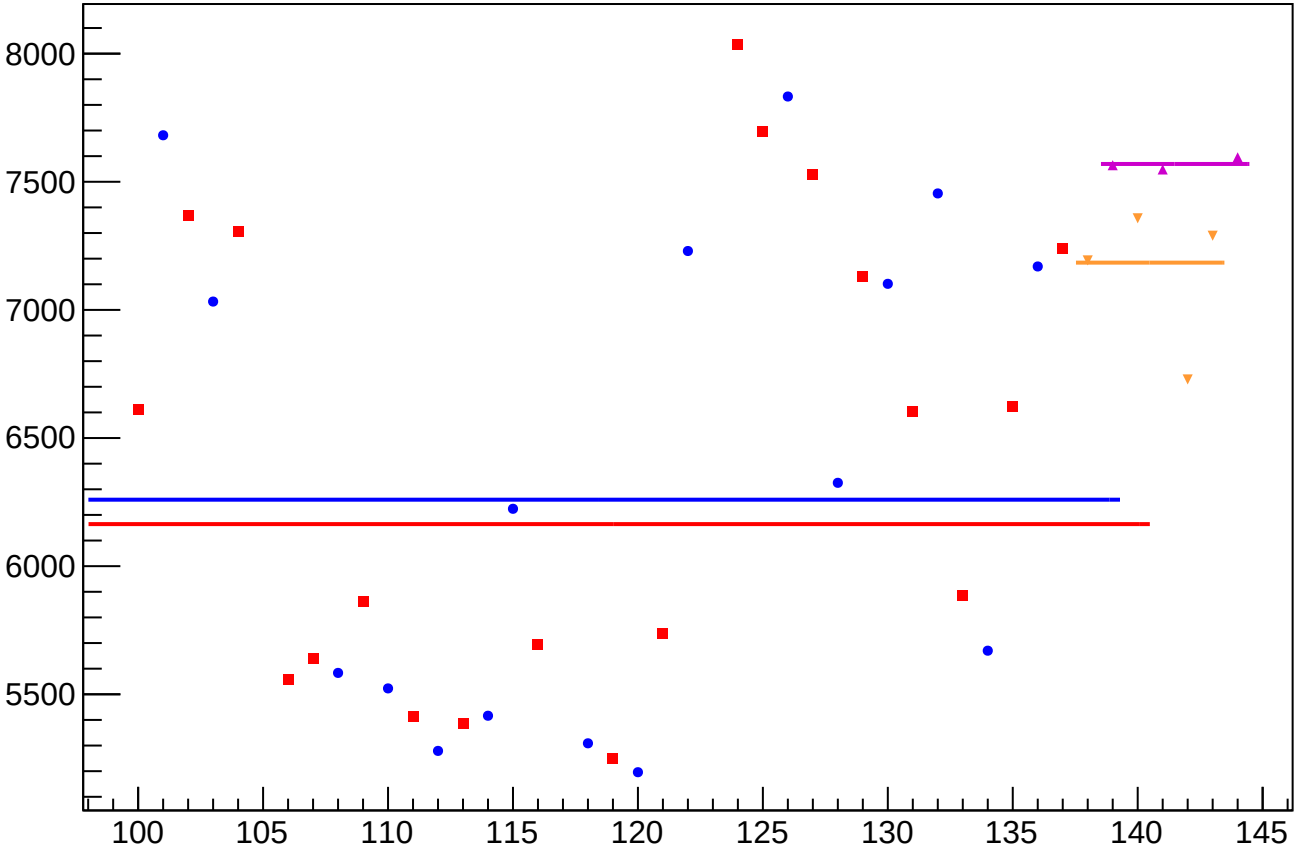
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 8.151+/-2.107 χ^2/NDF:73.0/18

Out: 2.601+/-2.005 χ^2/NDF:33.8/22

All: 5.239+/-1.452 χ^2/NDF: 110.4/41

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7184.491+/-3.006 χ^2/NDF:5274.6/3

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7569.489+/-3.319 χ^2/NDF:35.7/2

Left: 7358.004+/-2.228 χ^2/NDF: 12701.1/6

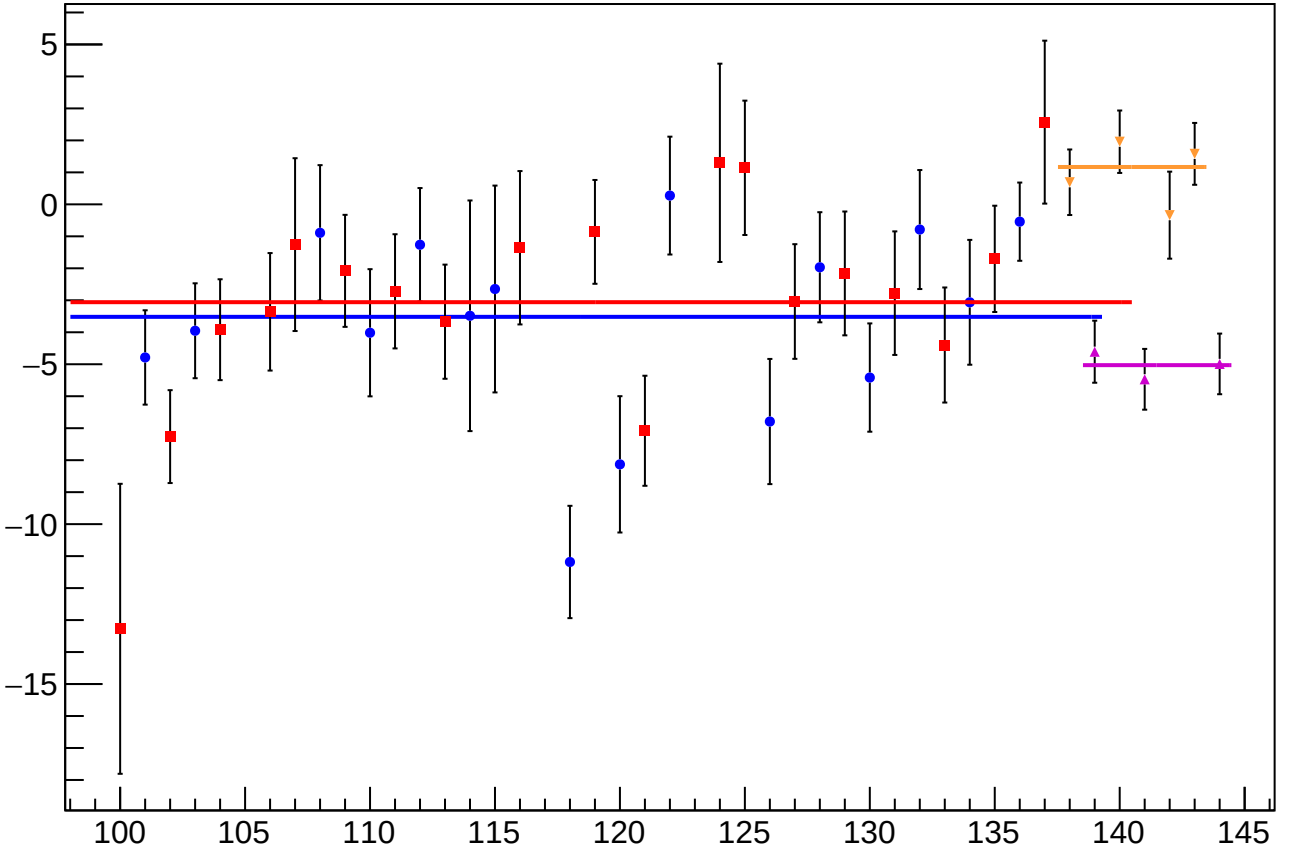
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6523.337+/-1.490 χ^2/NDF:433050.5/18

Out: 6391.059+/-1.418 χ^2/NDF:359903.5/22

All: 6453.926+/-1.027 χ^2/NDF: 797091.1/41

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.168+/-0.526 χ^2/NDF:2.3/3

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -5.028+/-0.552 χ^2/NDF:0.4/2

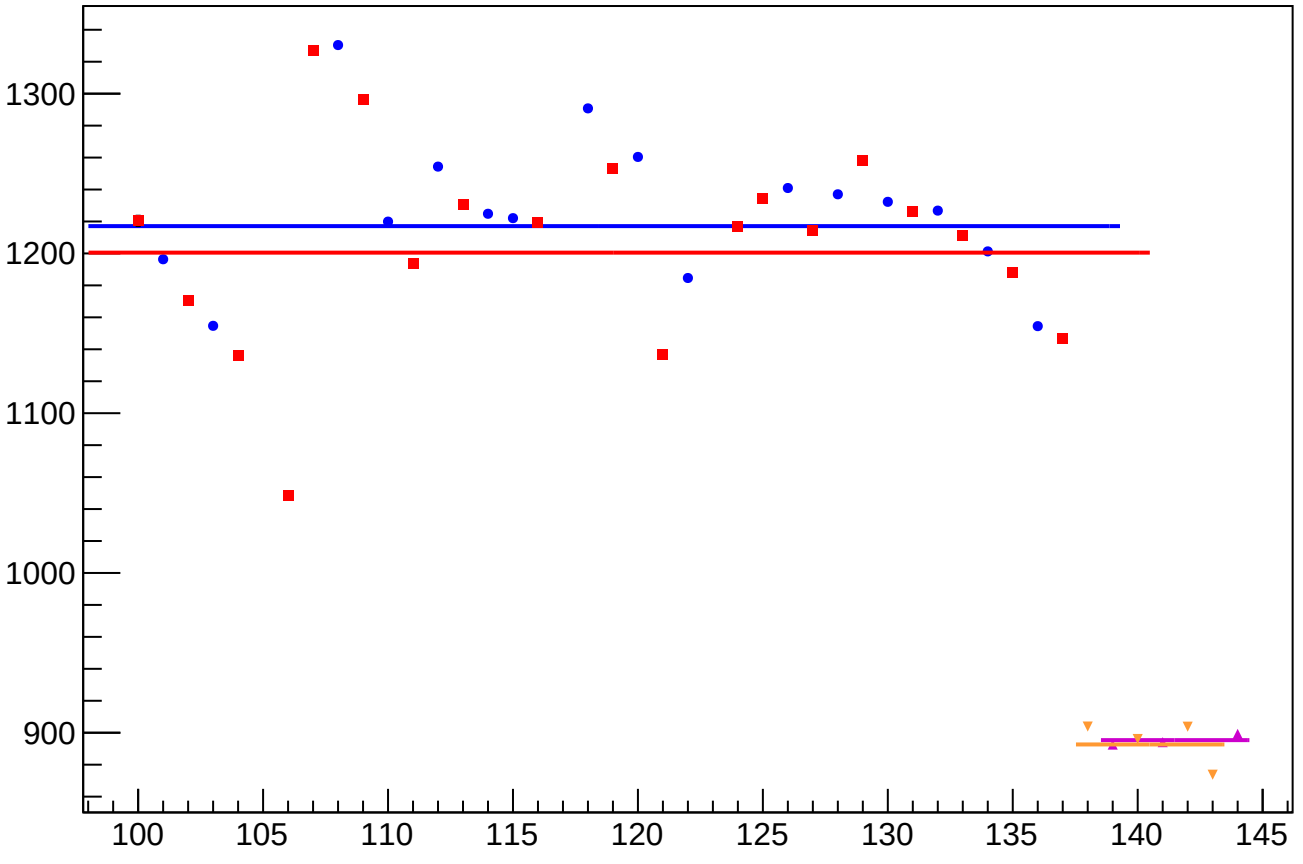
Left: -1.782+/-0.381 χ^2/NDF: 68.7/6

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.125+/-0.350 χ^2/NDF:50.0/18

Out: -1.328+/-0.337 χ^2/NDF:75.2/22

All: -2.673+/-0.243 χ^2/NDF: 158.3/41



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 892.660+/-0.372 χ^2/NDF:1163.2/3

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 895.366+/-0.390 χ^2/NDF:54.2/2

Left: 893.949+/-0.269 χ^2/NDF: 1242.6/6

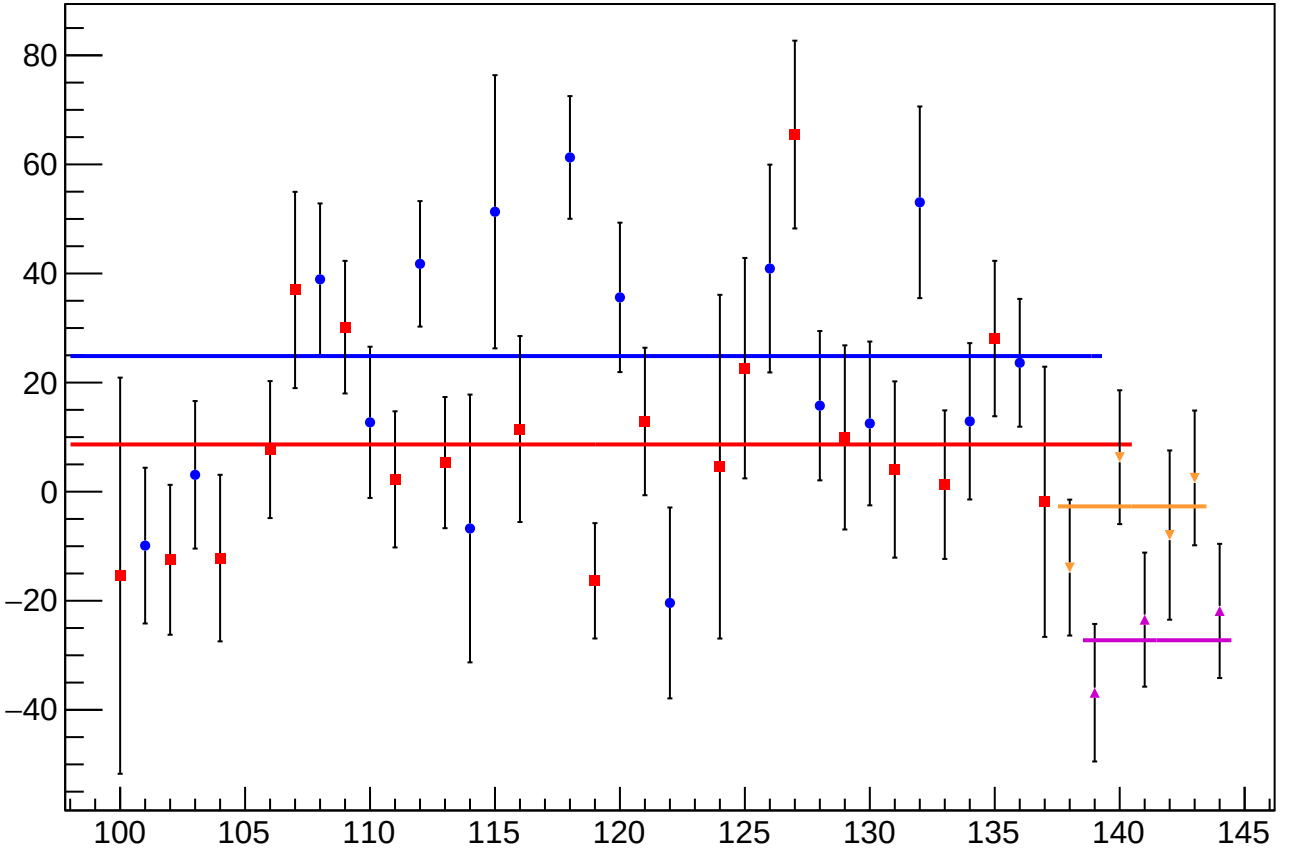
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1087.811+/-0.247 χ^2/NDF:428178.7/18

Out: 1074.405+/-0.238 χ^2/NDF:442842.8/22

All: 1080.853+/-0.172 χ^2/NDF: 872545.4/41

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -2.700+/-6.483 χ^2/NDF:1.6/3

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -27.240+/-7.157 χ^2/NDF:0.9/2

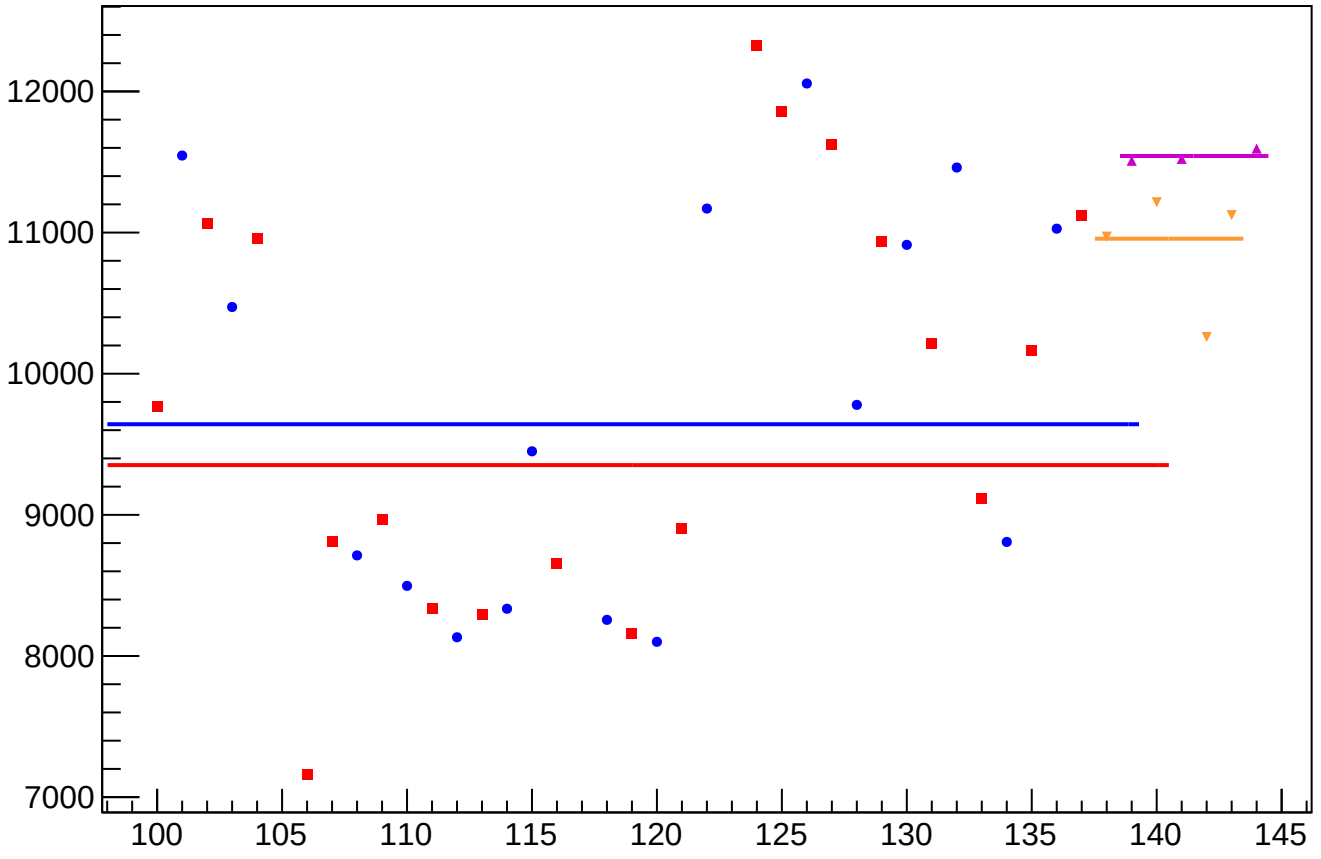
Left: -13.760+/-4.805 χ^2/NDF: 9.0/6

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 14.210+/-3.236 χ^2/NDF:81.2/18

Out: 6.148+/-3.048 χ^2/NDF:34.2/22

All: 9.938+/-2.219 χ^2/NDF: 118.6/41



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10956.693+/-4.585 χ^2/NDF:5280.1/3

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11542.546+/-5.061 χ^2/NDF:56.8/2

Left: 11220.749+/-3.398 χ^2/NDF: 12697.2/6

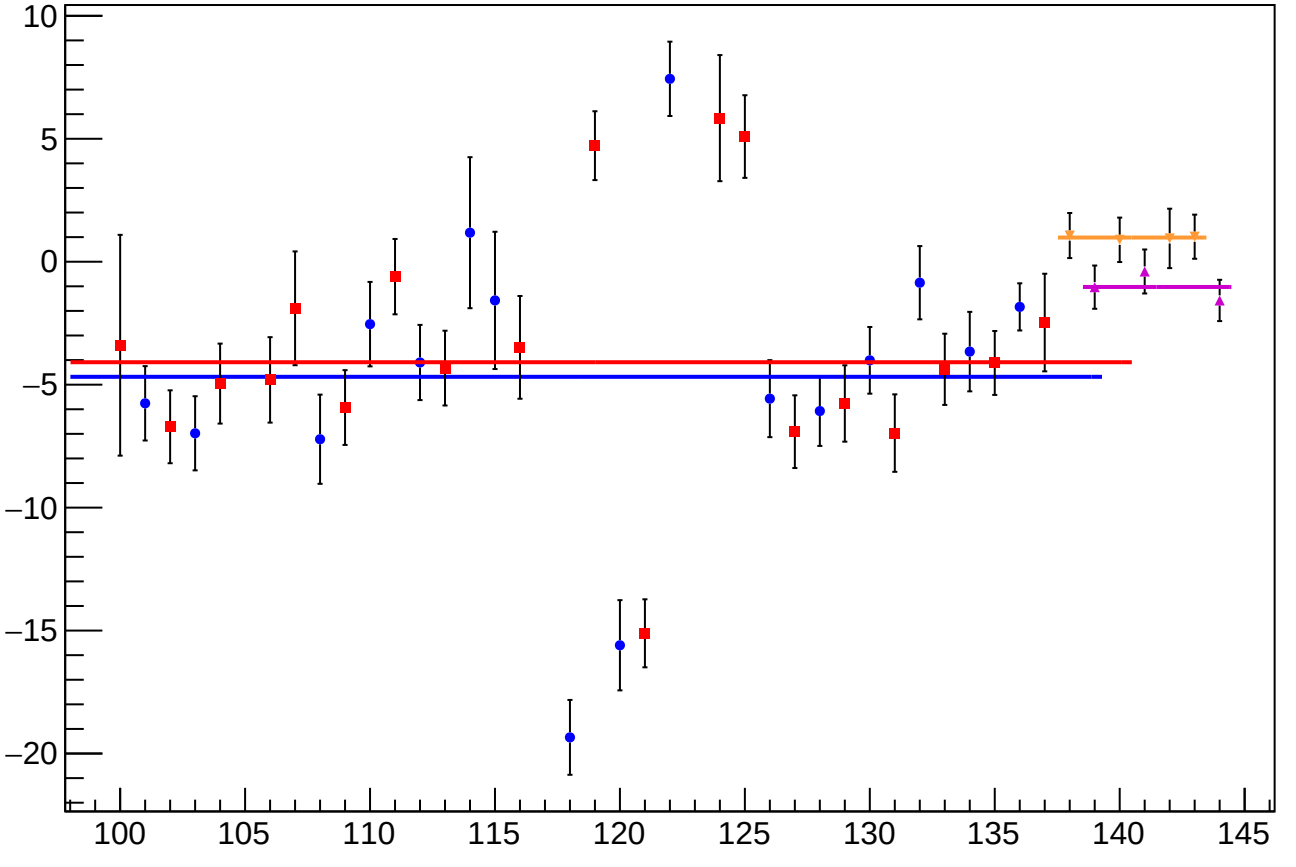
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10030.556+/-2.288 χ^2/NDF:391899.7/18

Out: 9707.091+/-2.155 χ^2/NDF:402435.8/22

All: 9859.166+/-1.569 χ^2/NDF: 804923.9/41

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.984+/-0.480 χ^2/NDF:0.0/3

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.027+/-0.502 χ^2/NDF:0.9/2

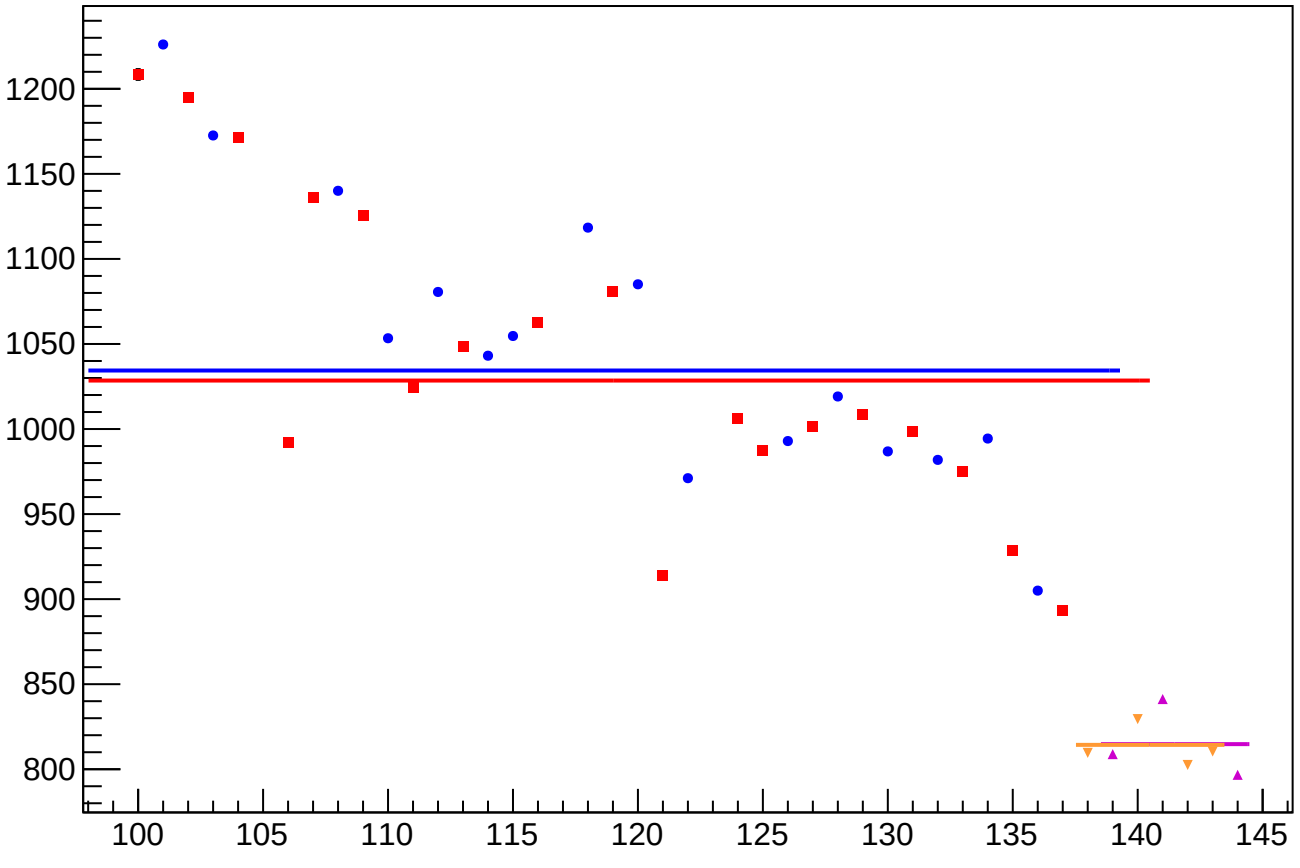
Left: 0.025+/-0.347 χ^2/NDF: 9.3/6

Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.325+/-0.306 χ^2/NDF:255.4/18

Out: -2.156+/-0.296 χ^2/NDF:237.2/22

All: -2.721+/-0.213 χ^2/NDF: 500.1/41



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 814.327+/-0.339 χ^2/NDF:843.1/3

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 814.757+/-0.355 χ^2/NDF:2768.1/2

Left: 814.532+/-0.245 χ^2/NDF: 3611.9/6

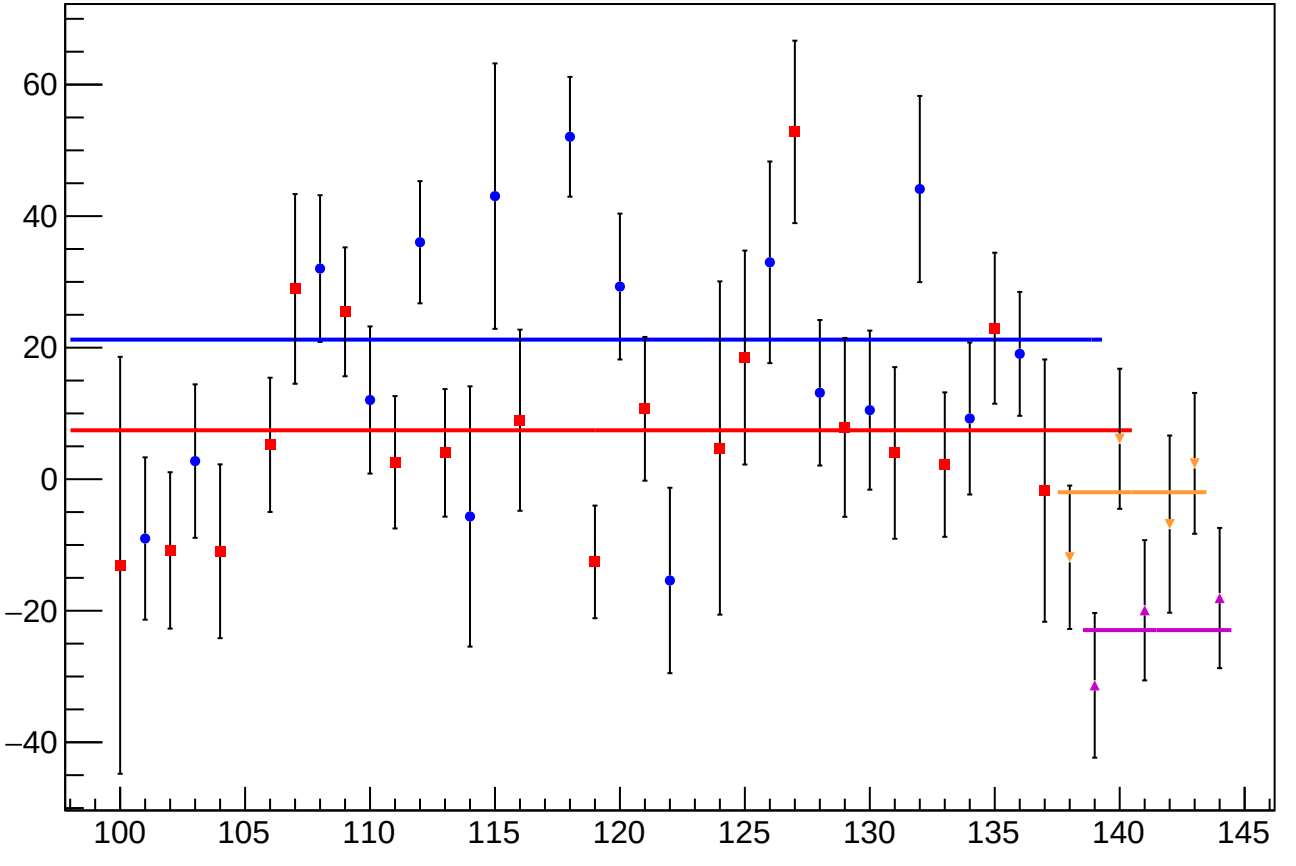
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 952.931+/-0.216 χ^2/NDF:356523.3/18

Out: 946.926+/-0.209 χ^2/NDF:349117.4/22

All: 949.831+/-0.150 χ^2/NDF: 706038.4/41

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -1.981+/-5.637 χ^2/NDF:1.7/3

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -22.943+/-6.220 χ^2/NDF:0.9/2

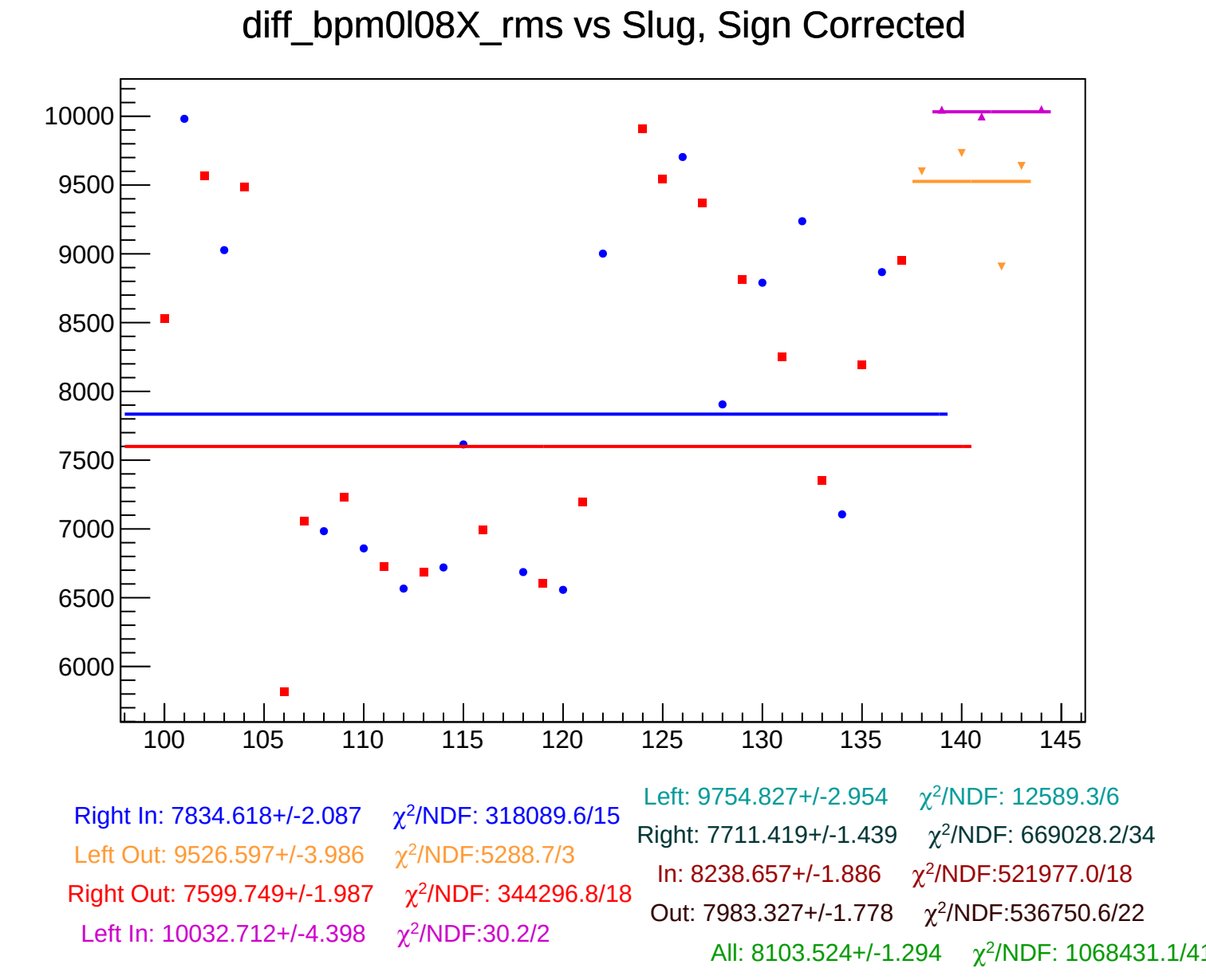
Left: -11.434+/-4.177 χ^2/NDF: 8.8/6

Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

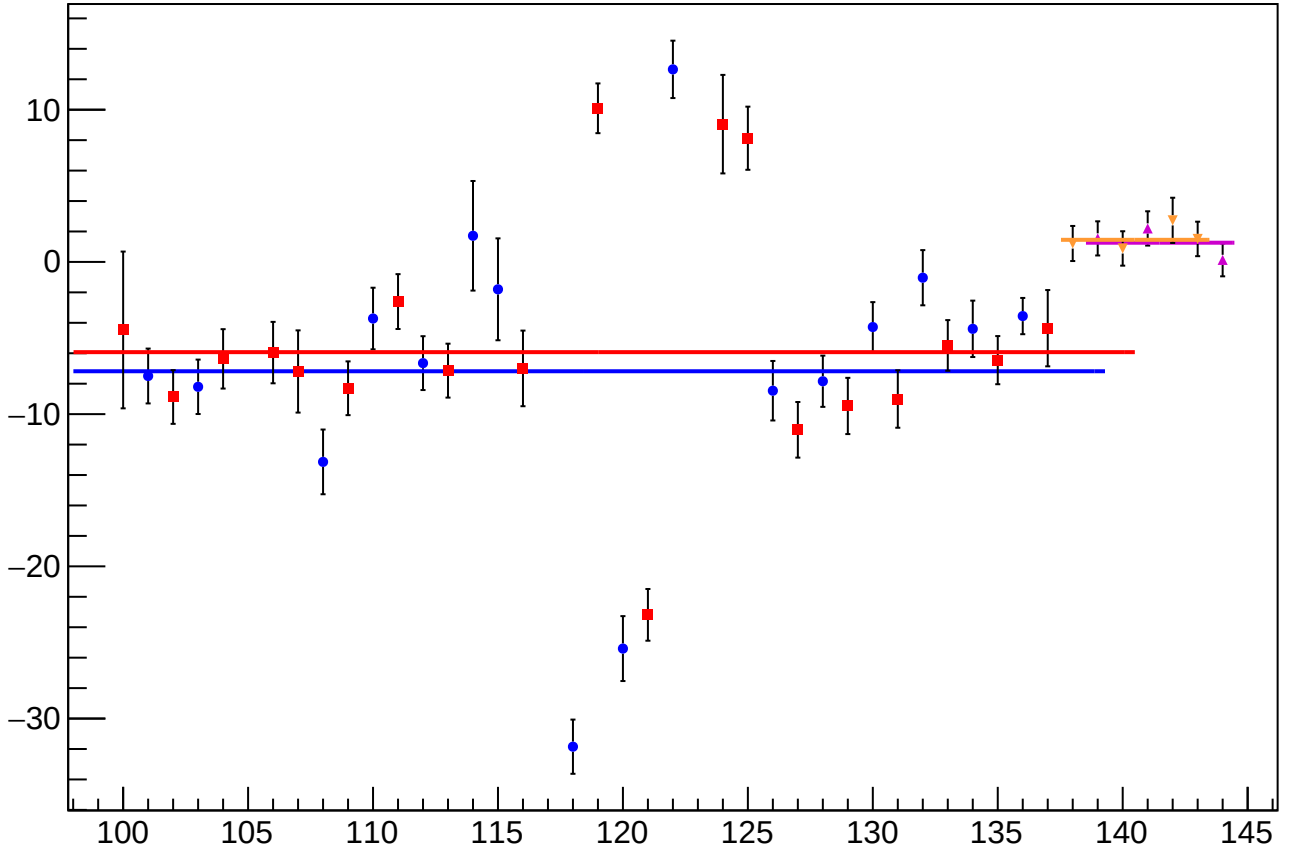
In: 13.104+/-2.667 χ^2/NDF:82.1/18

Out: 5.561+/-2.515 χ^2/NDF:33.7/22

All: 9.112+/-1.830 χ^2/NDF: 120.1/41


diff_bpm0l08X_rms vs Slug, Sign Corrected
10000
9500
9000
8500
8000
7500
7000
6500
6000
100
105
110
115
120
125
130
135
140
145
Right In: 7834.618+/-2.087 χ²/NDF: 318089.6/15
Left Out: 9526.597+/-3.986 χ²/NDF:5288.7/3
Right Out: 7599.749+/-1.987 χ²/NDF: 344296.8/18
Left In: 10032.712+/-4.398 χ²/NDF:30.2/2
Left: 9754.827+/-2.954 χ²/NDF: 12589.3/6
Right: 7711.419+/-1.439 χ²/NDF: 669028.2/34
In: 8238.657+/-1.886 χ²/NDF:521977.0/18
Out: 7983.327+/-1.778 χ²/NDF:536750.6/22
All: 8103.524+/-1.294 χ²/NDF: 1068431.1/41

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.452+/-0.601 χ^2/NDF:1.0/3

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.262+/-0.640 χ^2/NDF:1.8/2

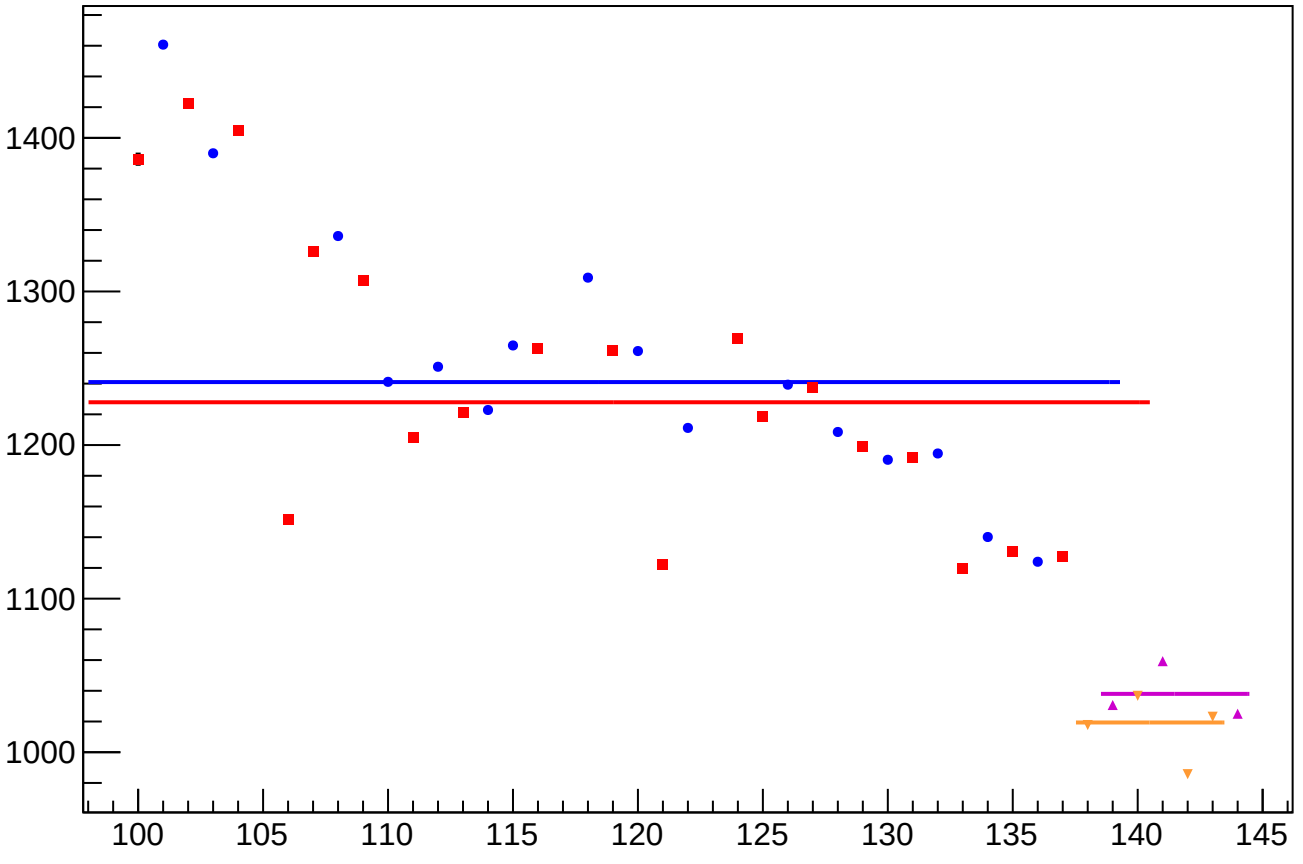
Left: 1.363+/-0.438 χ^2/NDF: 2.9/6

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -4.289+/-0.375 χ^2/NDF:538.4/18

Out: -3.283+/-0.360 χ^2/NDF:388.1/22

All: -3.765+/-0.260 χ^2/NDF: 930.3/41



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1019.365+/-0.425 χ^2/NDF:1526.1/3

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1037.993+/-0.453 χ^2/NDF:1084.0/2

Left: 1028.088+/-0.310 χ^2/NDF: 3509.8/6

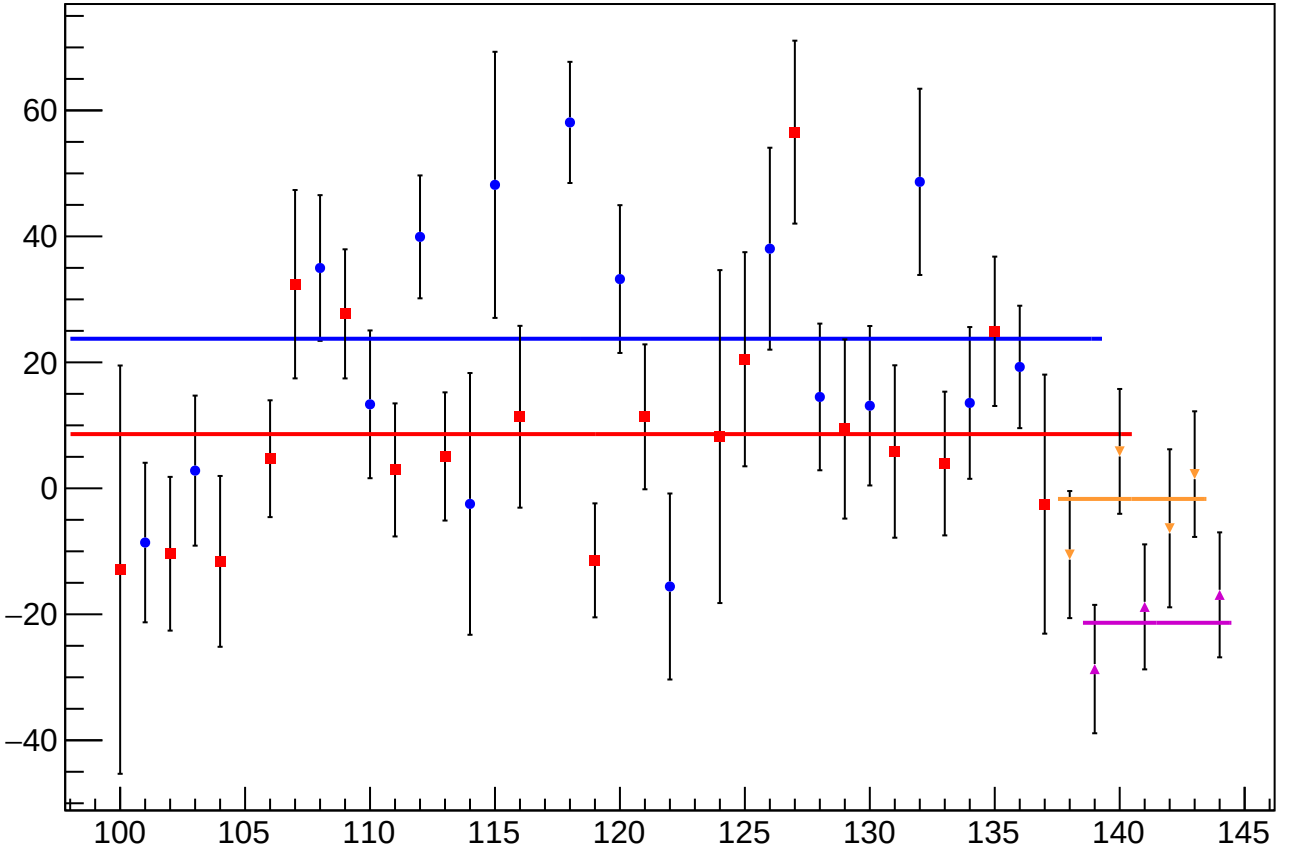
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1171.456+/-0.265 χ^2/NDF:213851.7/18

Out: 1153.144+/-0.254 χ^2/NDF:238308.9/22

All: 1161.924+/-0.184 χ^2/NDF: 454644.9/41

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -1.682+/-5.240 χ^2/NDF:1.6/3

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -21.346+/-5.779 χ^2/NDF:0.8/2

Left: -10.555+/-3.882 χ^2/NDF: 8.8/6

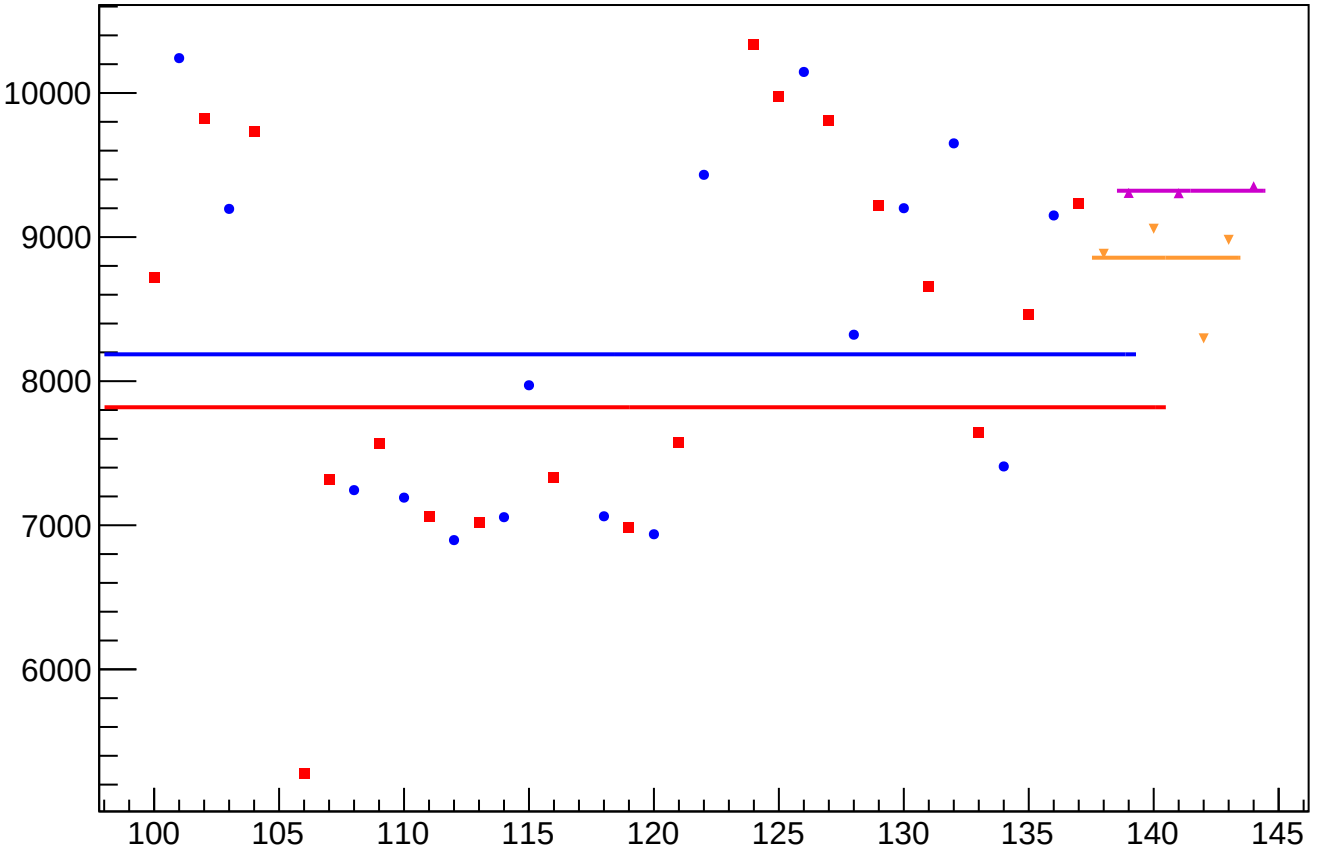
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 13.767+/-2.719 χ^2/NDF:91.6/18

Out: 6.197+/-2.537 χ^2/NDF:35.1/22

All: 9.720+/-1.855 χ^2/NDF: 130.8/41

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8856.896+/-3.705 χ^2/NDF:5130.2/3

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9321.695+/-4.086 χ^2/NDF:29.9/2

Left: 9066.621+/-2.745 χ^2/NDF: 12259.8/6

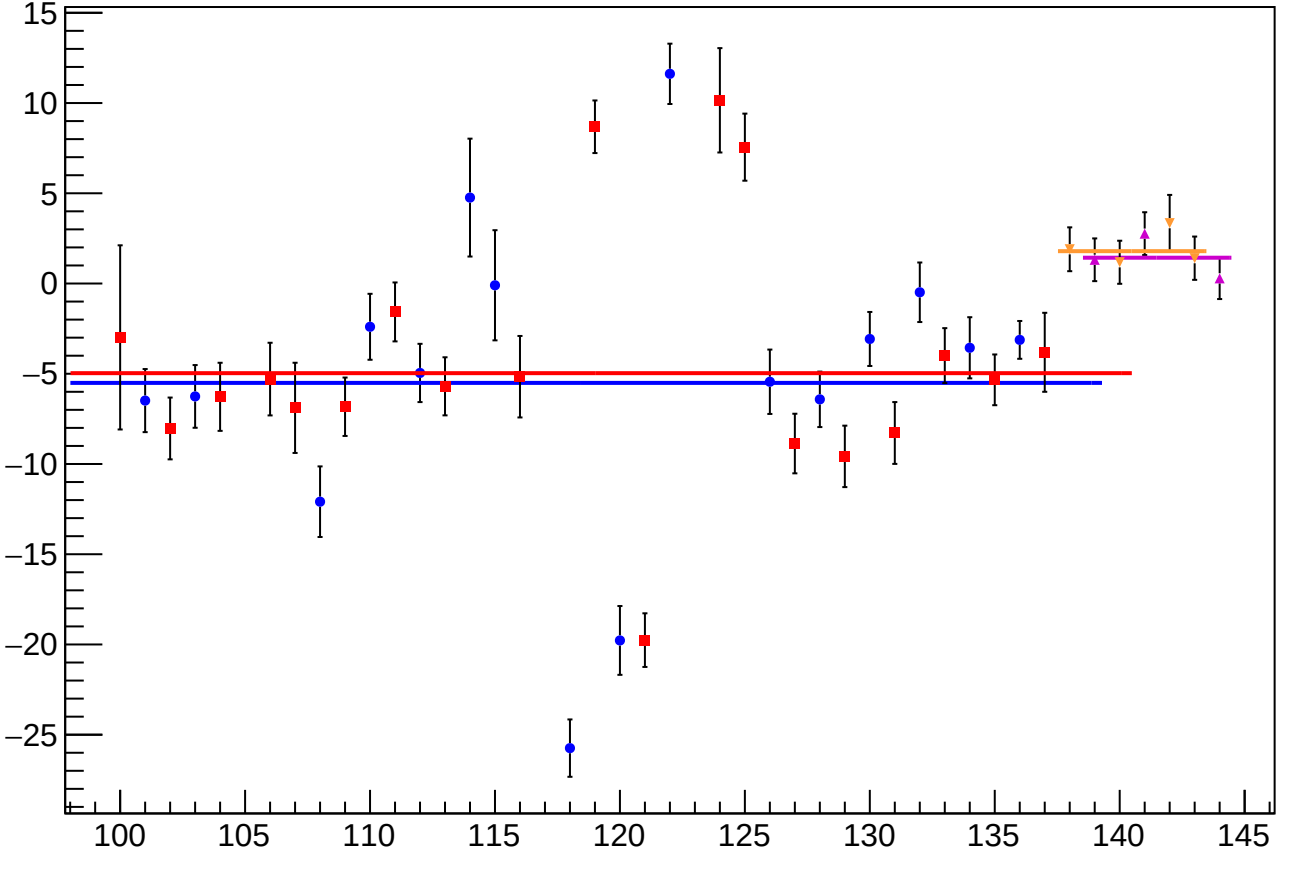
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8437.686+/-1.923 χ^2/NDF:350761.2/18

Out: 8062.188+/-1.794 χ^2/NDF:488204.7/22

All: 8236.925+/-1.312 χ^2/NDF: 859359.1/41

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.792+/-0.635 χ^2/NDF:1.4/3

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.430+/-0.677 χ^2/NDF:2.3/2

Left: 1.623+/-0.463 χ^2/NDF: 3.8/6

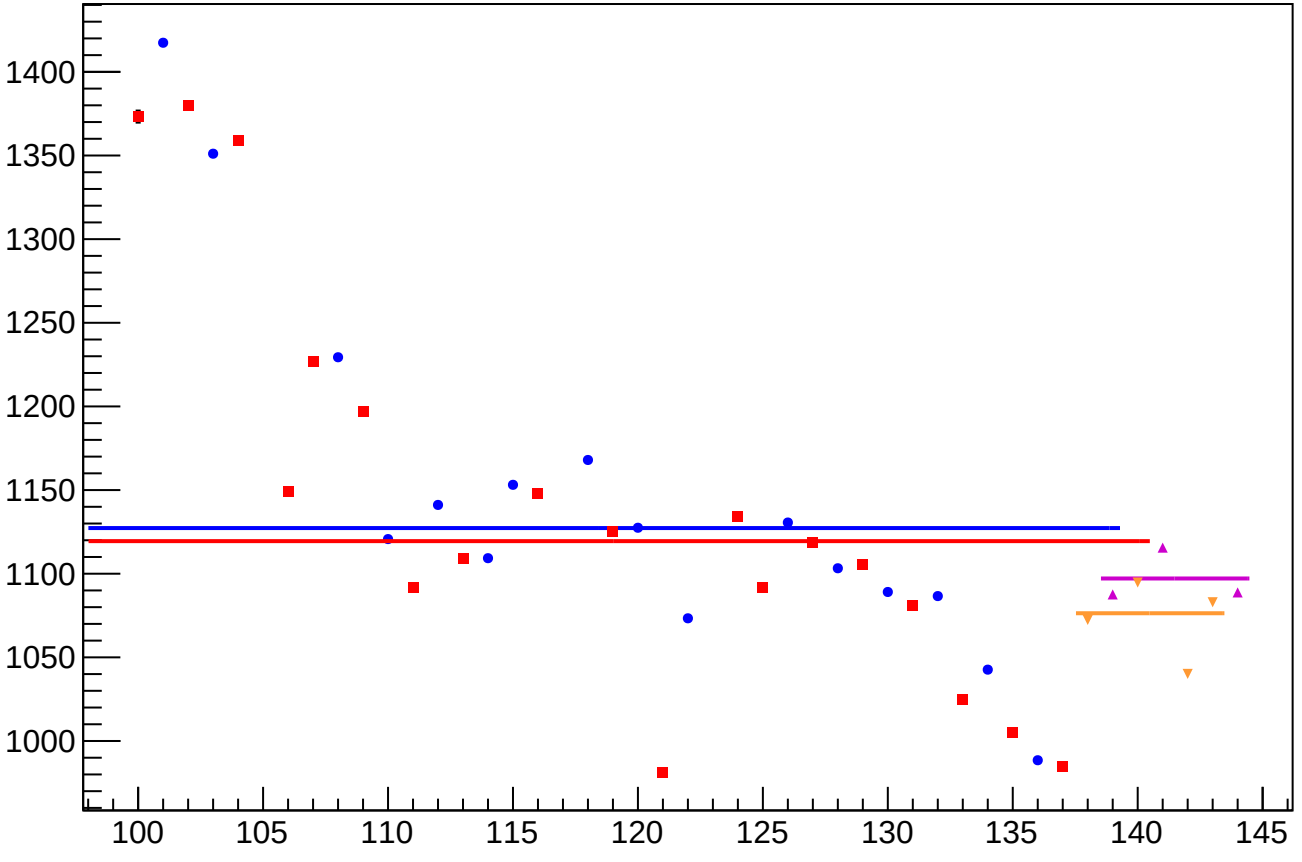
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.573+/-0.357 χ^2/NDF:447.8/18

Out: -2.974+/-0.345 χ^2/NDF:368.7/22

All: -3.262+/-0.248 χ^2/NDF: 817.9/41

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1076.364+/-0.449 χ^2/NDF:1627.3/3

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1097.143+/-0.479 χ^2/NDF:718.5/2

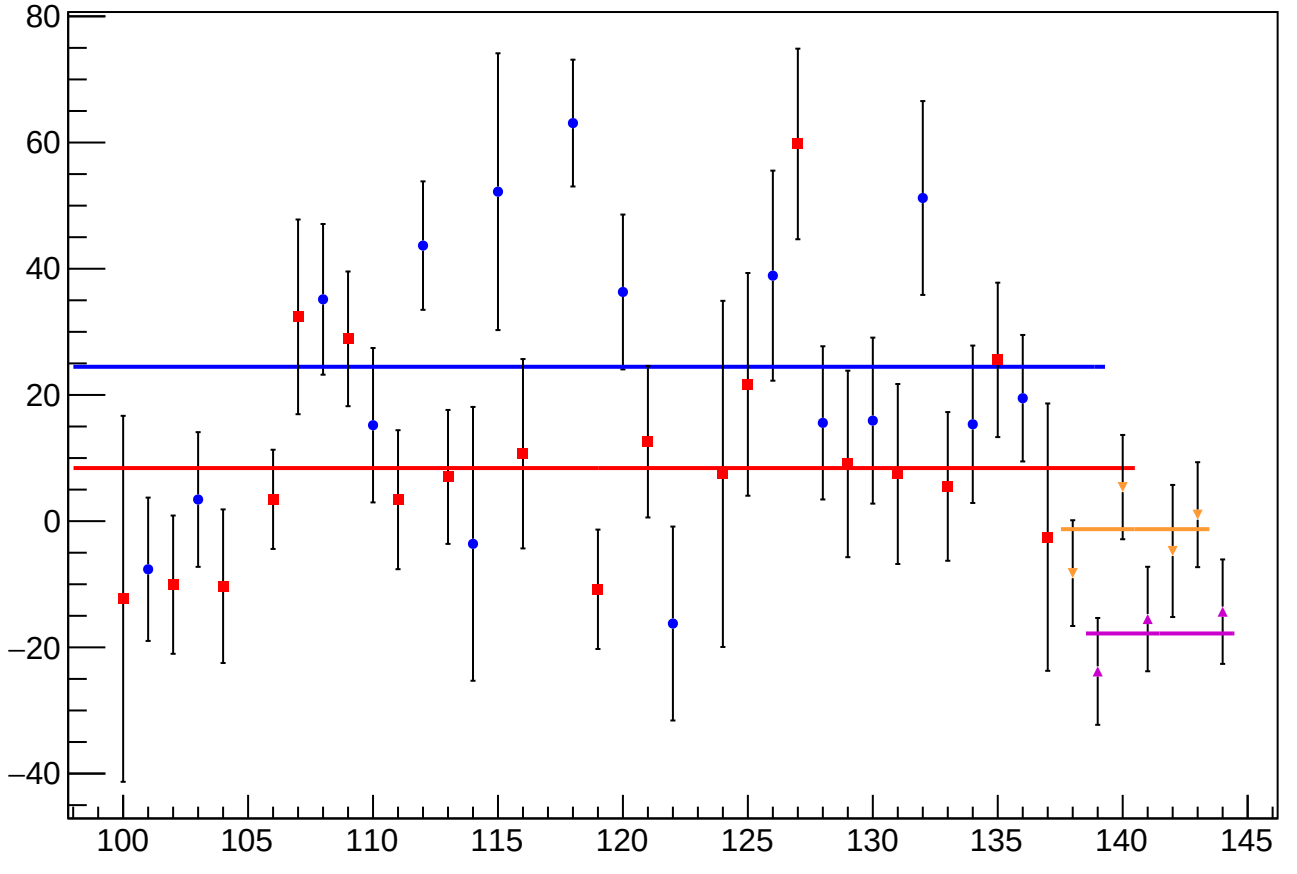
Left: 1086.084+/-0.327 χ^2/NDF: 3348.8/6

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

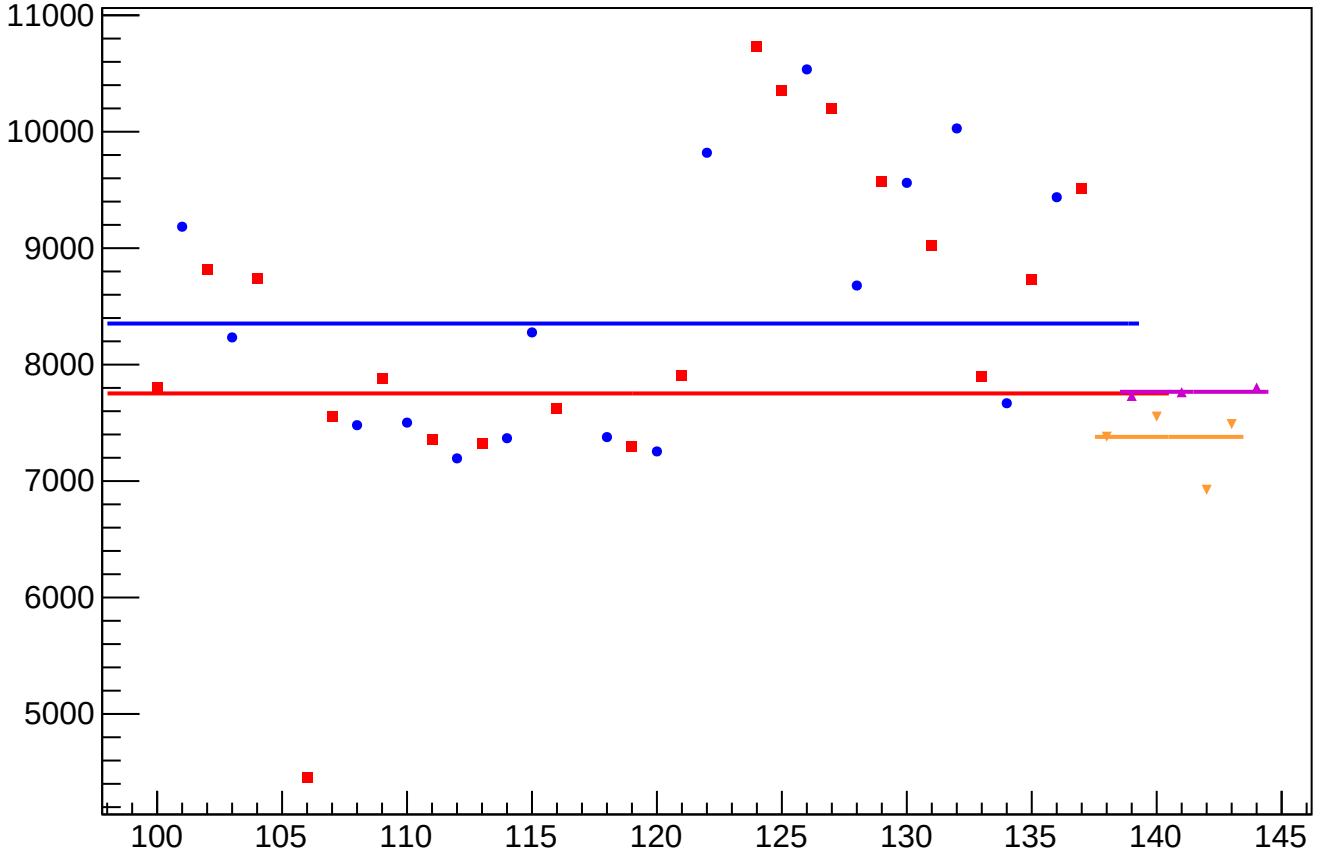
In: 1118.885+/-0.253 χ^2/NDF:144195.2/18

Out: 1106.763+/-0.244 χ^2/NDF:148871.4/22

All: 1112.602+/-0.175 χ^2/NDF: 294258.7/41


diff_bpm0l10X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
105
110
115
120
125
130
135
140
145
Right In: 24.463+/-3.136 χ²/NDF: 48.3/15
Left Out: -1.268+/-4.366 χ²/NDF:1.5/3
Right Out: 8.413+/-2.891 χ²/NDF: 31.1/18
Left In: -17.798+/-4.815 χ²/NDF:0.8/2
Left: -8.726+/-3.234 χ²/NDF: 8.8/6
Right: 15.786+/-2.126 χ²/NDF: 93.6/34
In: 11.874+/-2.628 χ²/NDF:103.2/18
Out: 5.462+/-2.410 χ²/NDF:36.1/22
All: 8.392+/-1.776 χ²/NDF: 142.5/41

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7379.436+/-3.087 χ^2/NDF:5002.4/3

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7766.566+/-3.405 χ^2/NDF:75.2/2

Left: 7554.111+/-2.287 χ^2/NDF: 12173.5/6

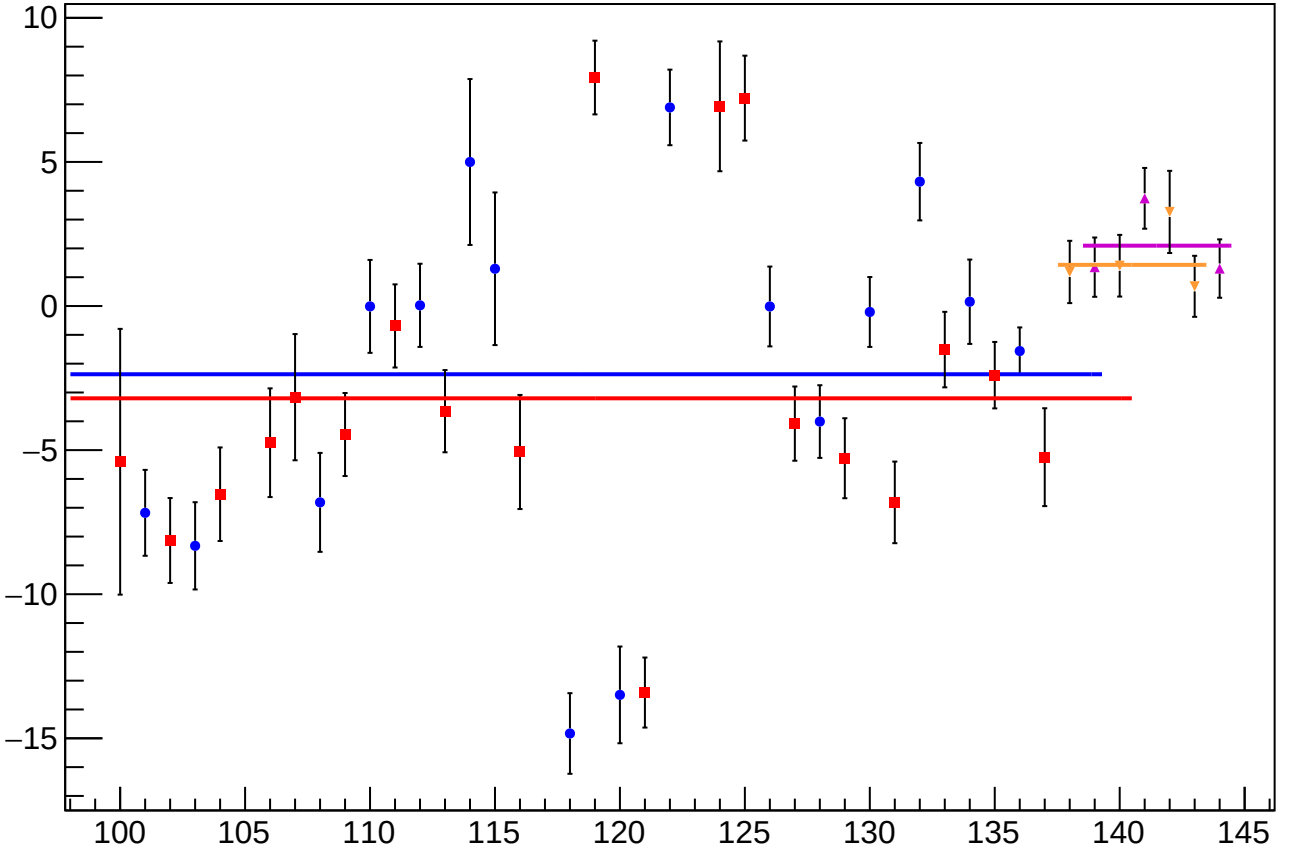
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8178.138+/-1.858 χ^2/NDF:241302.5/18

Out: 7638.899+/-1.704 χ^2/NDF:603236.5/22

All: 7885.287+/-1.256 χ^2/NDF: 890275.3/41

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.429+/-0.567 χ^2/NDF:2.2/3

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 2.094+/-0.596 χ^2/NDF:3.6/2

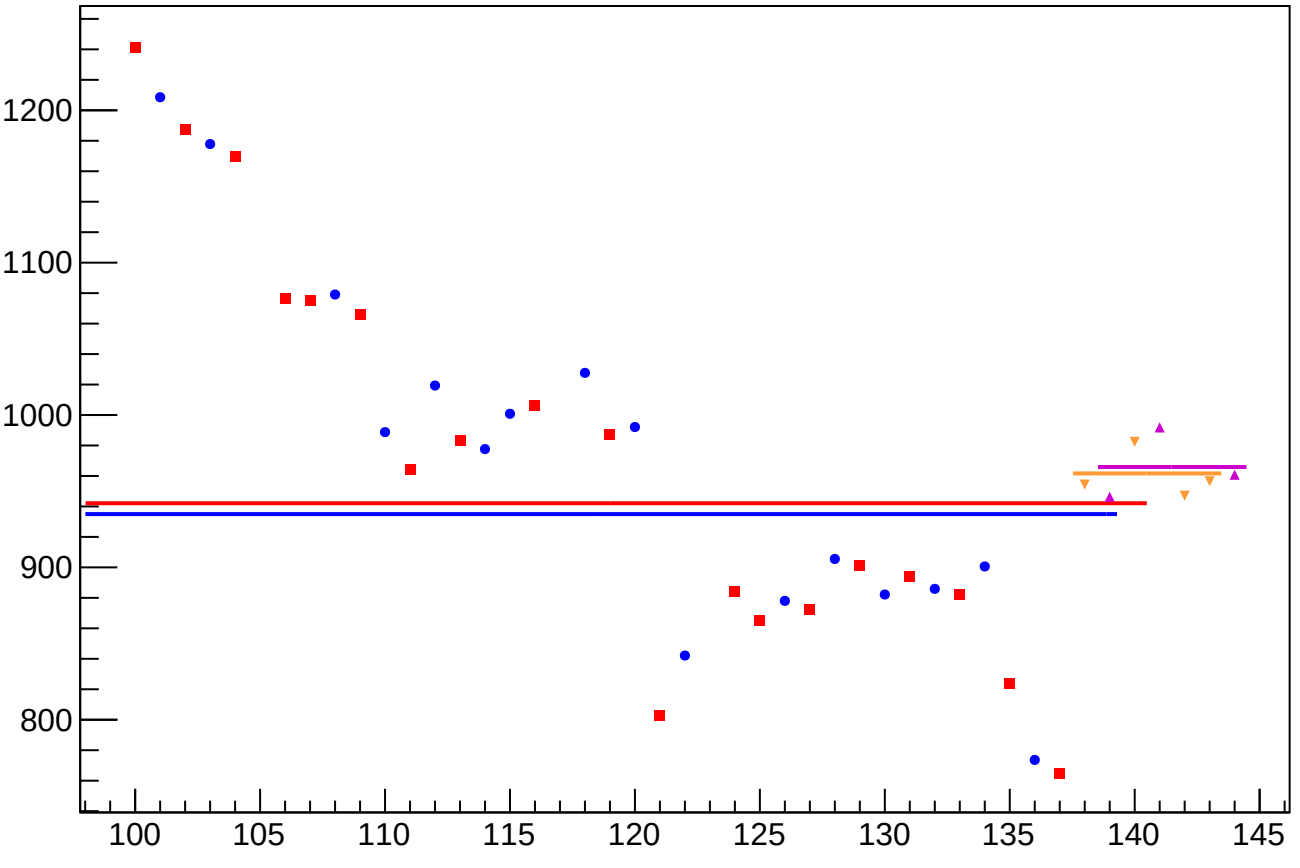
Left: 1.745+/-0.411 χ^2/NDF: 6.4/6

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.220+/-0.302 χ^2/NDF:300.8/18

Out: -1.943+/-0.296 χ^2/NDF:301.3/22

All: -1.590+/-0.211 χ^2/NDF: 605.1/41



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 961.667+/-0.401 χ^2/NDF:1099.8/3

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 965.877+/-0.421 χ^2/NDF:1984.4/2

Left: 963.668+/-0.290 χ^2/NDF: 3136.7/6

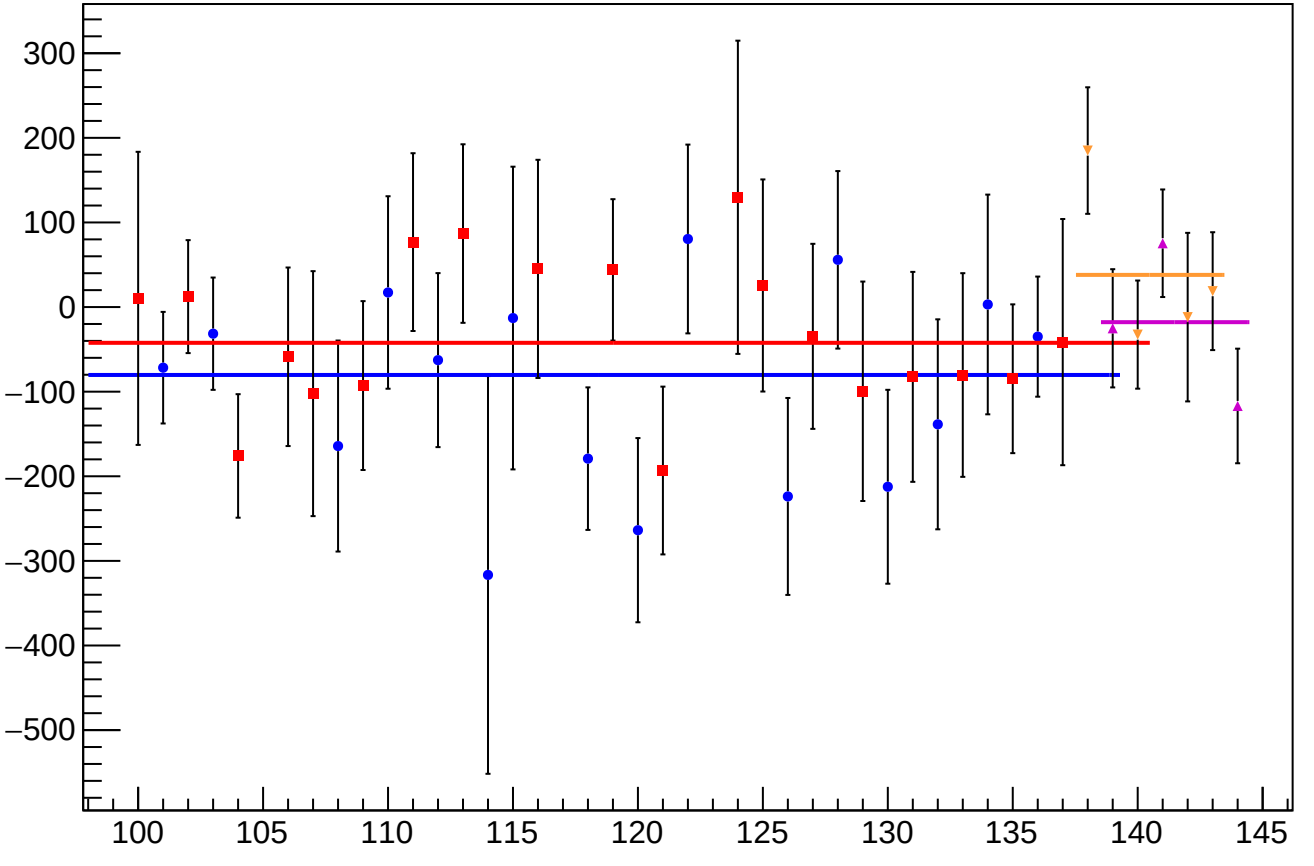
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 942.921+/-0.214 χ^2/NDF:260347.0/18

Out: 947.417+/-0.209 χ^2/NDF:235289.7/22

All: 945.218+/-0.149 χ^2/NDF: 495863.1/41

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 38.024+/-36.997 χ^2/NDF:5.4/3

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -17.853+/-38.624 χ^2/NDF:4.3/2

Left: 11.287+/-26.717 χ^2/NDF: 10.8/6

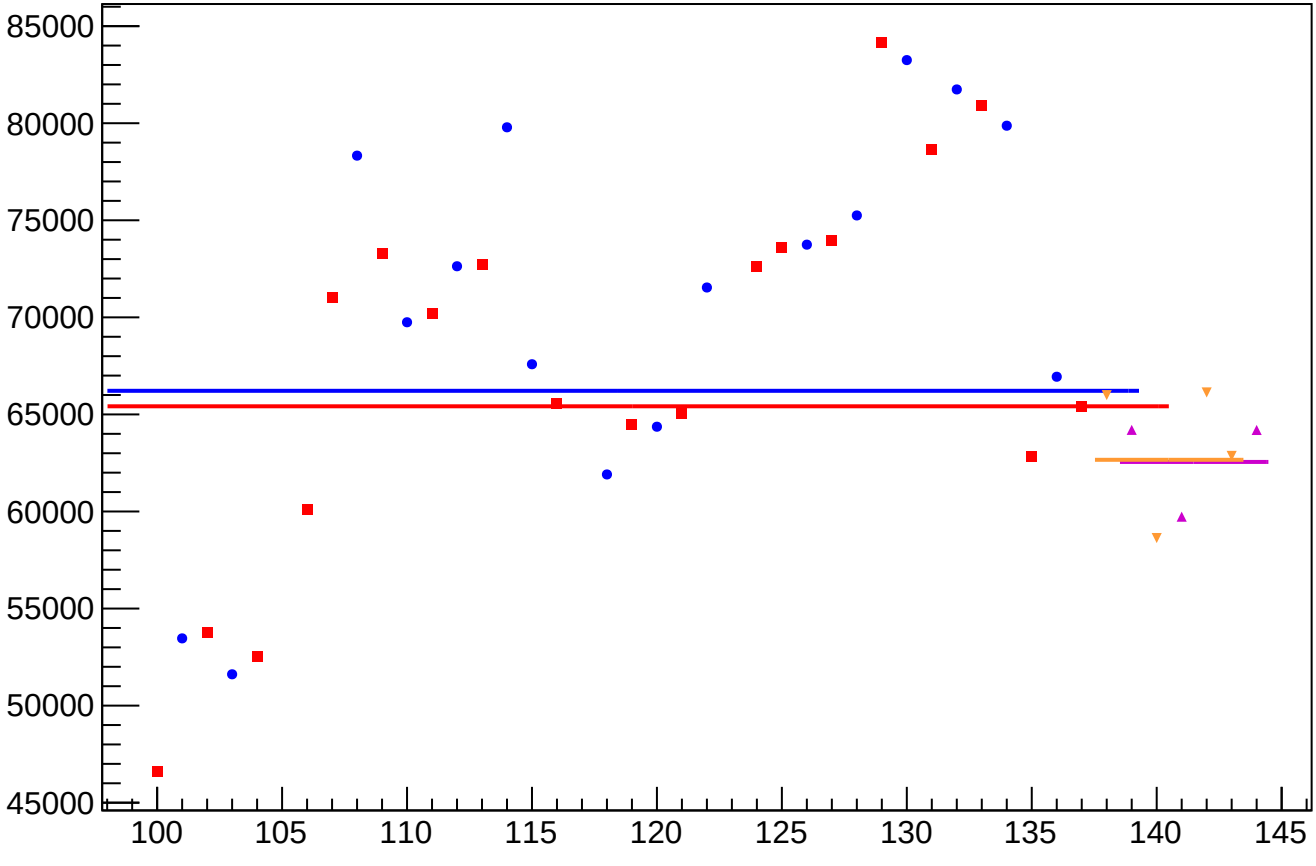
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -61.922+/-20.933 χ^2/NDF:20.9/18

Out: -18.283+/-20.220 χ^2/NDF:21.7/22

All: -39.346+/-14.543 χ^2/NDF: 44.9/41

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 62662.252+/-26.161 χ^2/NDF:14368.7/3

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 62552.561+/-27.311 χ^2/NDF:6236.0/2

Left: 62609.765+/-18.892 χ^2/NDF: 20613.1/6

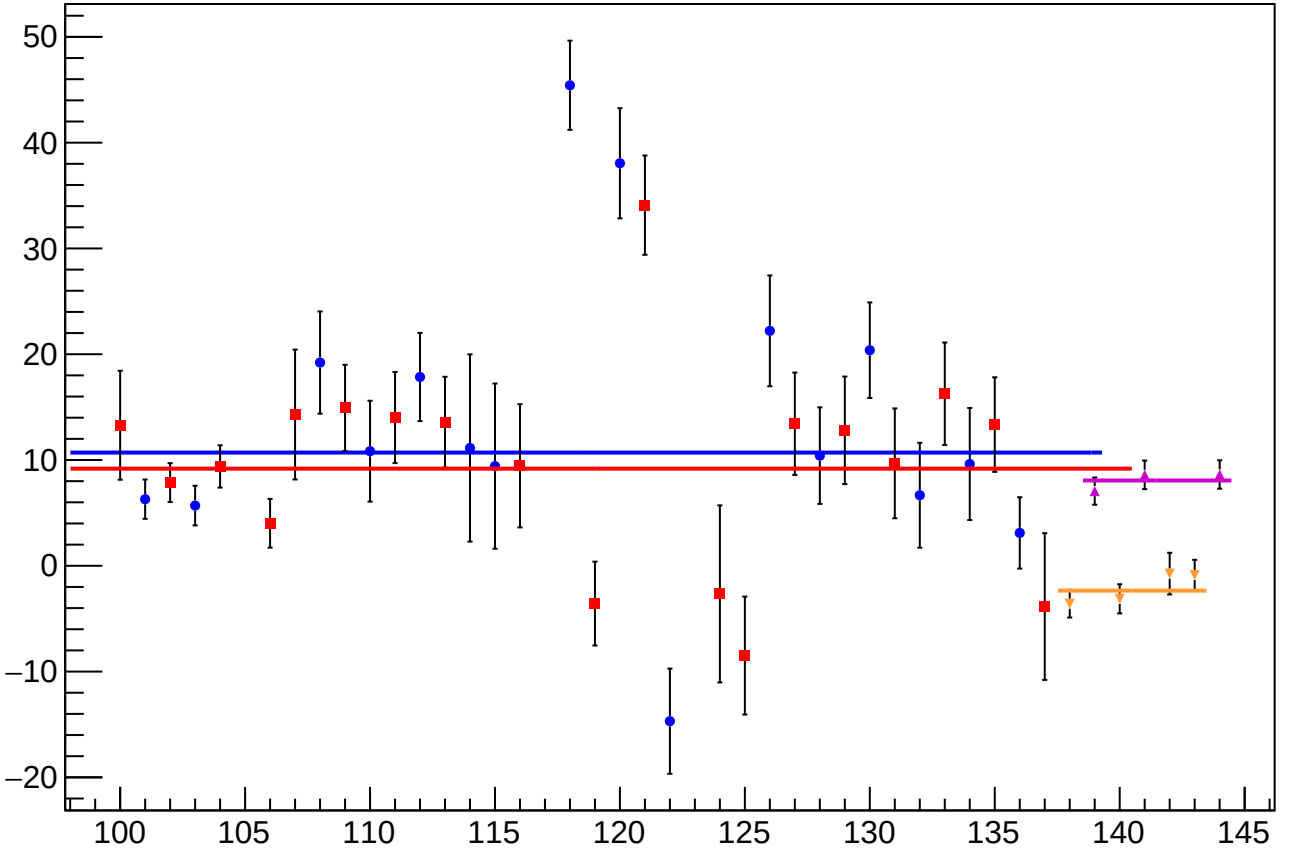
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65139.974+/-14.802 χ^2/NDF:357322.0/18

Out: 64595.267+/-14.297 χ^2/NDF:326709.5/22

All: 64858.178+/-10.284 χ^2/NDF: 684732.1/4

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.346+/-0.735 χ^2/NDF:2.9/3

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 8.066+/-0.765 χ^2/NDF:0.9/2

Left: 2.653+/-0.530 χ^2/NDF: 100.1/6

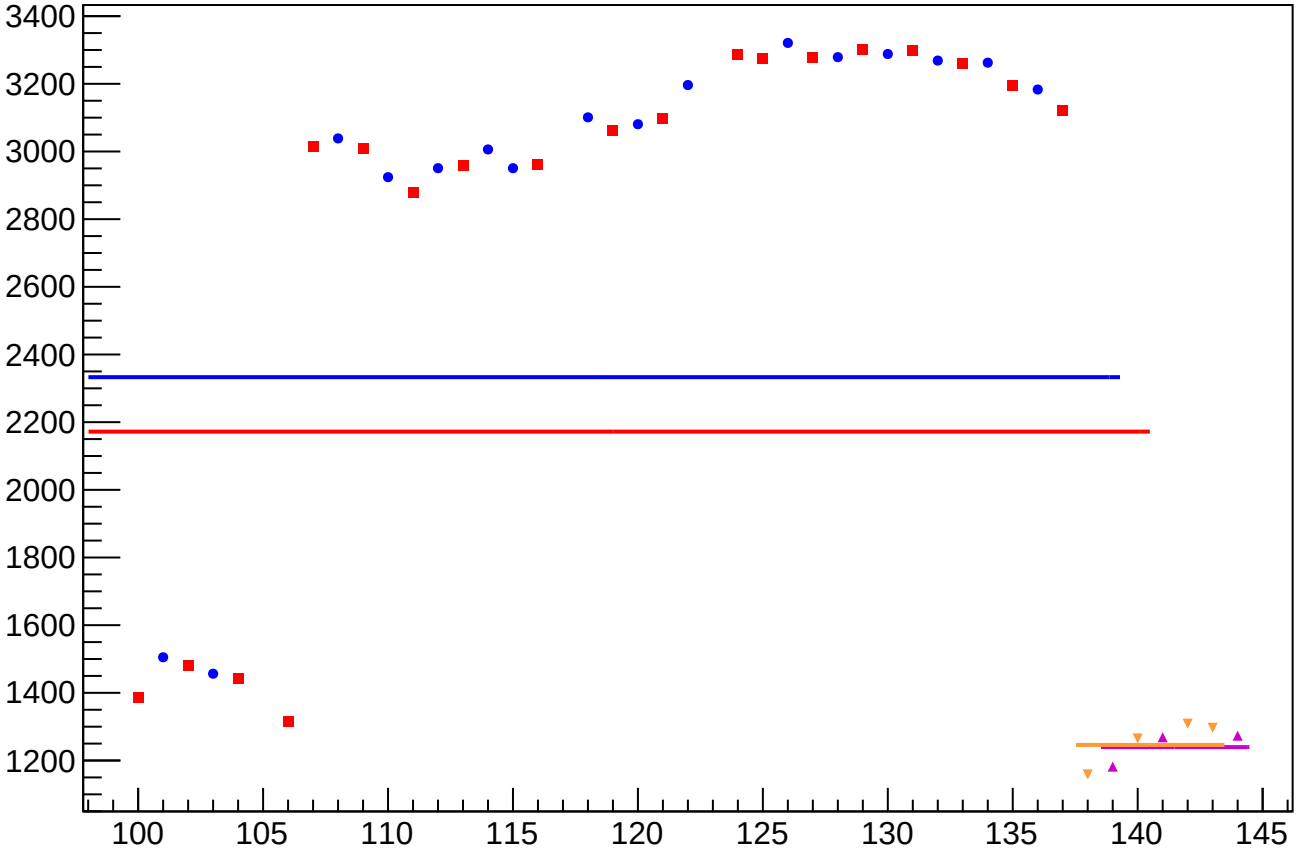
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.144+/-0.588 χ^2/NDF:161.4/18

Out: 2.588+/-0.556 χ^2/NDF:177.7/22

All: 5.682+/-0.404 χ^2/NDF: 404.6/41

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1246.048+/-0.520 χ^2/NDF:13748.9/3

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1239.583+/-0.541 χ^2/NDF:6209.9/2

Left: 1242.944+/-0.375 χ^2/NDF: 20033.1/6

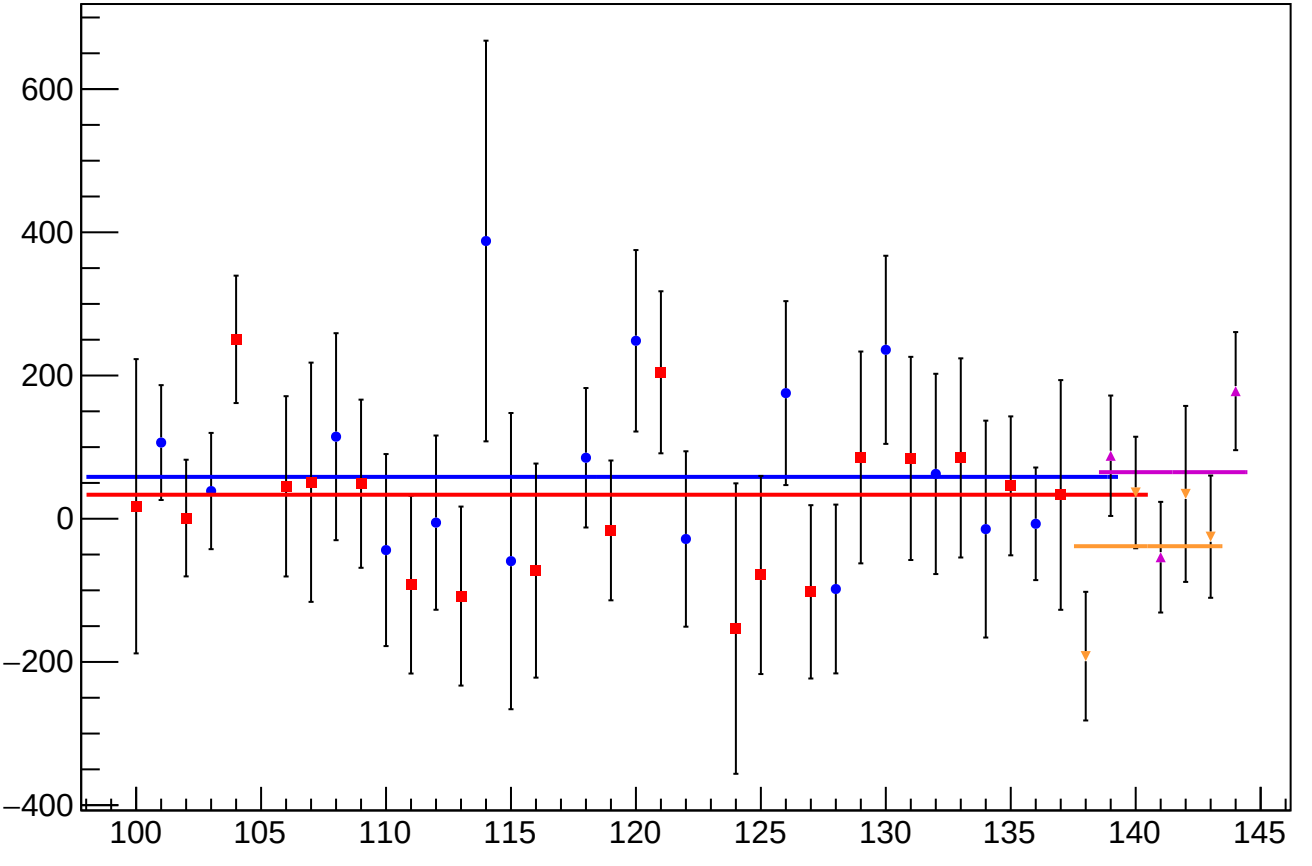
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1686.394+/-0.416 χ^2/NDF:3326336.5/18

Out: 1642.371+/-0.393 χ^2/NDF:3355221.6/22

All: 1663.142+/-0.286 χ^2/NDF: 6687470.4/41

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -38.369+/-45.069 χ^2/NDF:4.2/3

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 65.035+/-46.829 χ^2/NDF:4.3/2

Left: 11.353+/-32.473 χ^2/NDF: 11.1/6

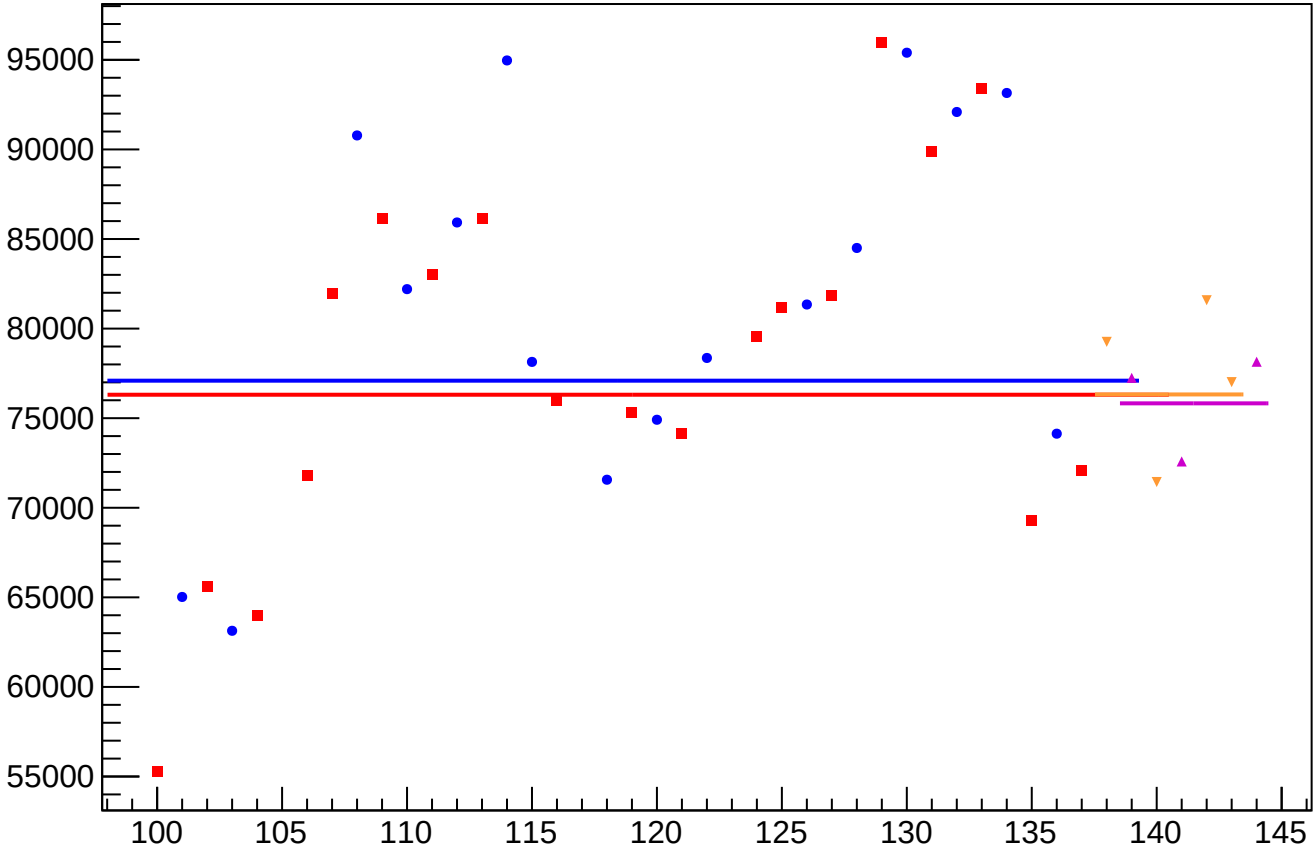
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 60.265+/-24.605 χ^2/NDF:15.6/18

Out: 13.391+/-23.848 χ^2/NDF:20.7/22

All: 36.097+/-17.124 χ^2/NDF: 38.2/41

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 76325.031+/-31.869 χ^2/NDF:13805.5/3

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 75828.127+/-33.113 χ^2/NDF:5683.7/2

Left: 76086.092+/-22.962 χ^2/NDF: 19606.1/6

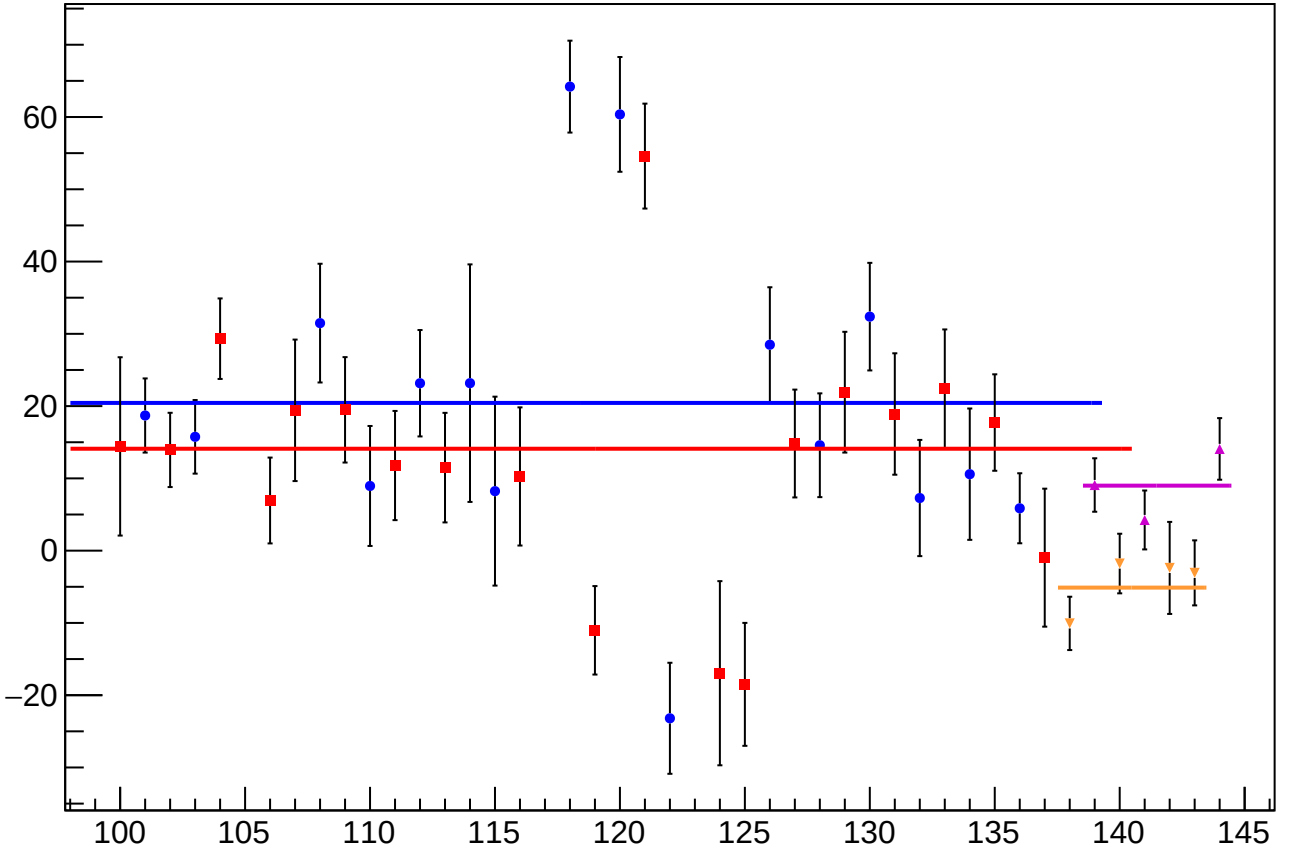
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 76743.915+/-17.398 χ^2/NDF:255283.0/18

Out: 76313.278+/-16.863 χ^2/NDF:248238.9/22

All: 76521.878+/-12.109 χ^2/NDF: 503837.8/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.113+/-2.202 χ^2/NDF:2.8/3

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 8.995+/-2.304 χ^2/NDF:2.8/2

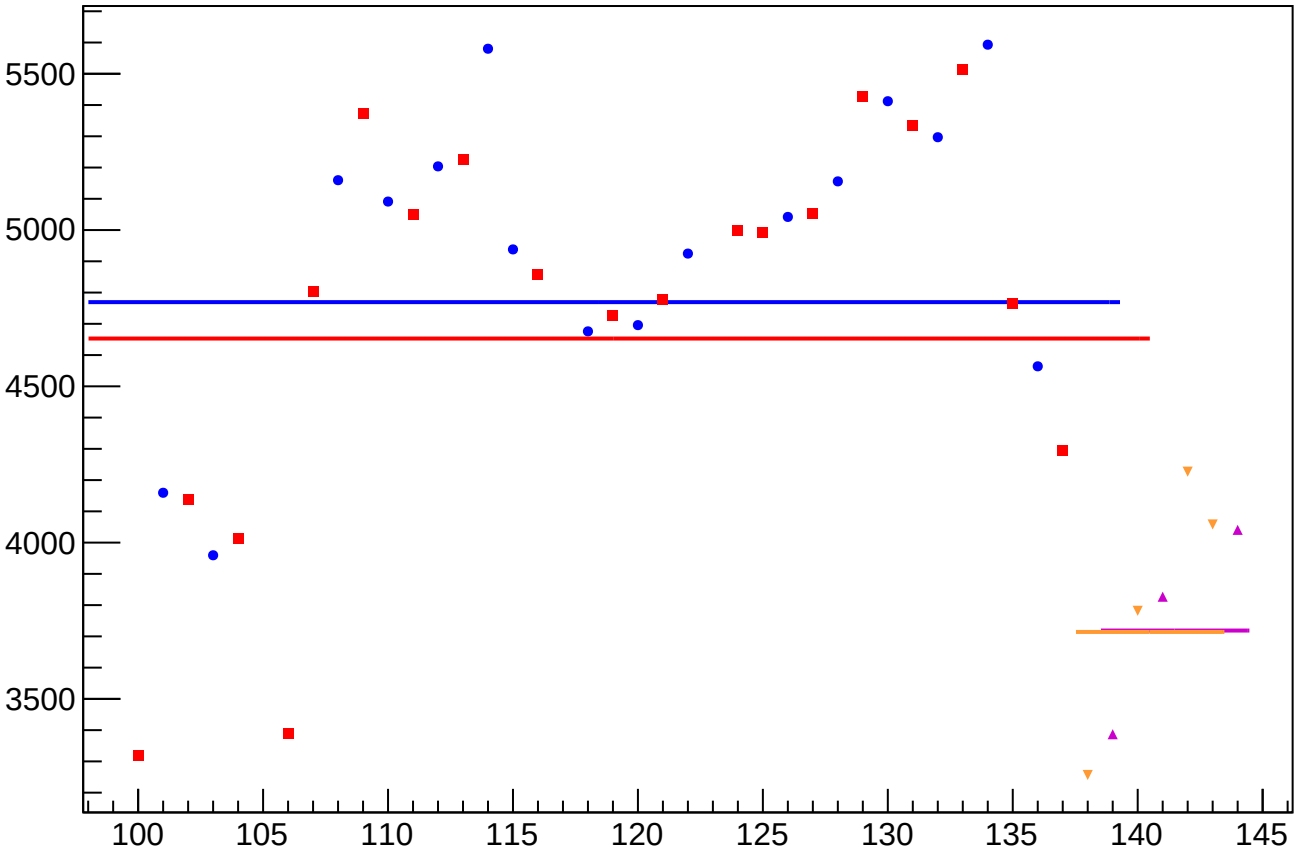
Left: 1.620+/-1.592 χ^2/NDF: 25.2/6

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 16.157+/-1.410 χ^2/NDF:146.1/18

Out: 6.853+/-1.352 χ^2/NDF:134.0/22

All: 11.312+/-0.976 χ^2/NDF: 302.8/41



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3714.176+/-1.557 χ^2/NDF:55958.8/3

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3718.660+/-1.629 χ^2/NDF:28926.4/2

Left: 3716.316+/-1.126 χ^2/NDF: 84889.1/6

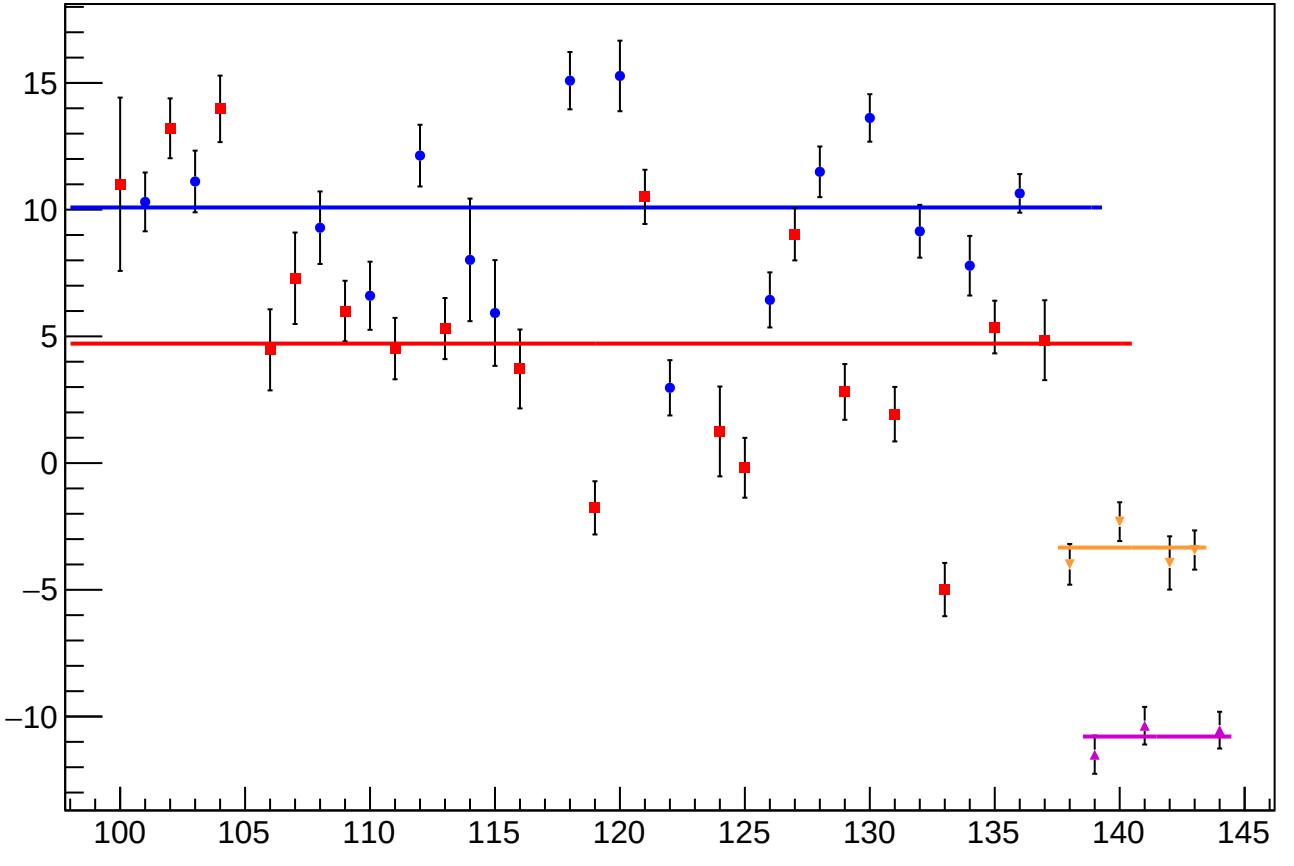
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4376.135+/-0.997 χ^2/NDF:440845.9/18

Out: 4298.760+/-0.956 χ^2/NDF:547526.7/22

All: 4335.841+/-0.690 χ^2/NDF: 991510.7/41

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.332+/-0.414 χ^2/NDF:2.8/3

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -10.790+/-0.428 χ^2/NDF:1.4/2

Left: -6.943+/-0.297 χ^2/NDF: 161.1/6

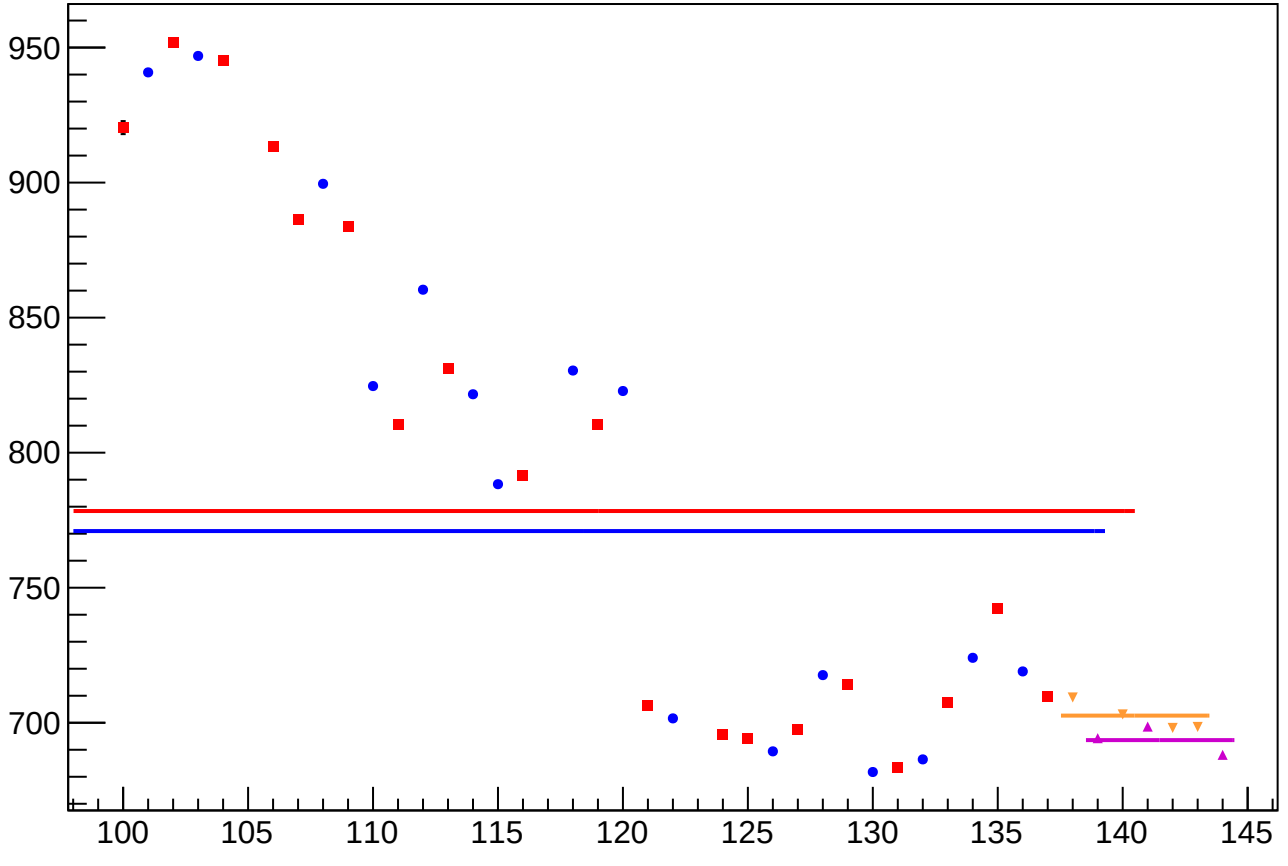
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 3.558+/-0.239 χ^2/NDF:1764.1/18

Out: 2.119+/-0.235 χ^2/NDF:568.8/22

All: 2.827+/-0.168 χ^2/NDF: 2351.4/41

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 702.644+/-0.293 χ^2/NDF:236.9/3

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 693.573+/-0.302 χ^2/NDF:205.6/2

Left: 698.253+/-0.210 χ^2/NDF: 907.0/6

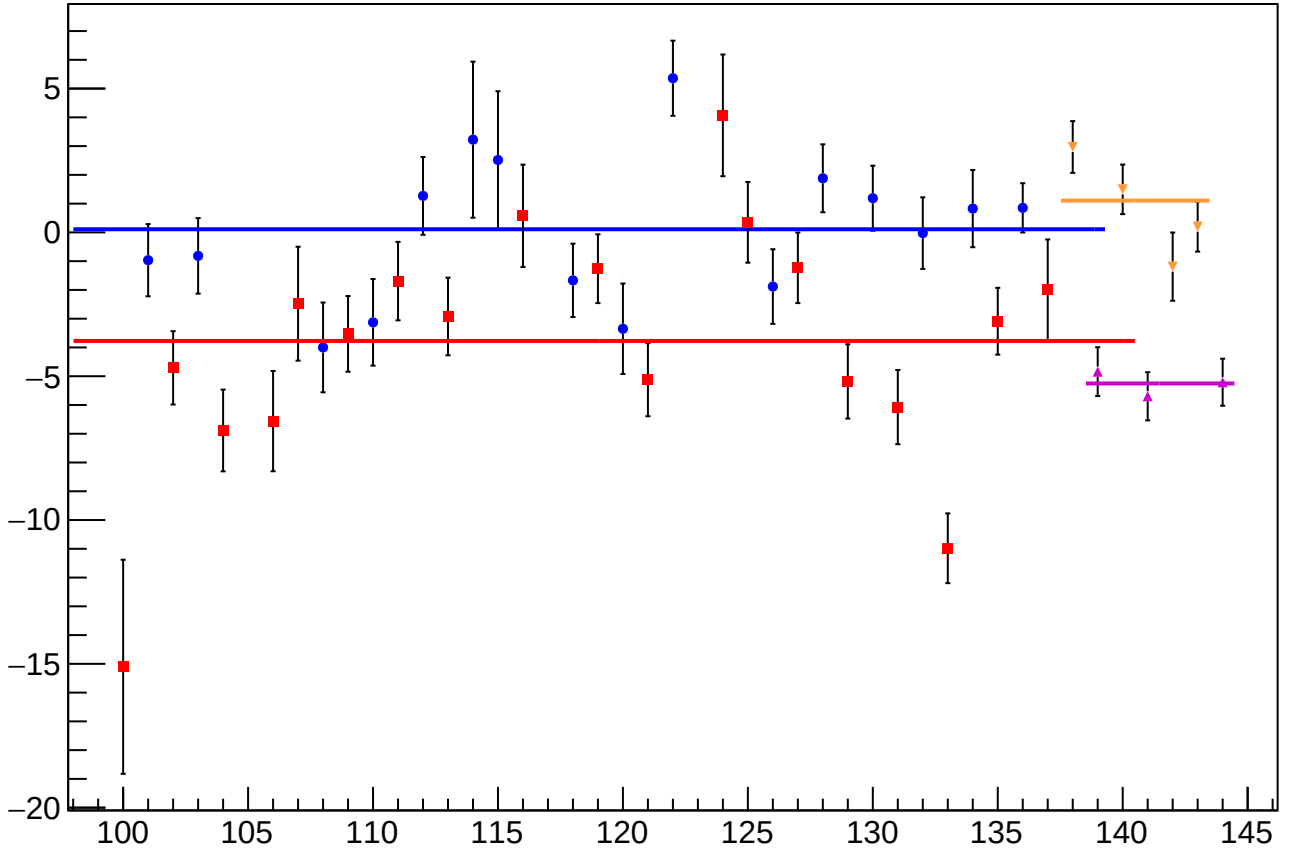
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 746.769+/-0.169 χ^2/NDF:238173.4/18

Out: 753.962+/-0.166 χ^2/NDF:242109.3/22

All: 750.424+/-0.119 χ^2/NDF: 481202.6/41

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.106+/-0.465 χ^2/NDF:9.3/3

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -5.252+/-0.482 χ^2/NDF:0.5/2

Left: -1.964+/-0.335 χ^2/NDF: 100.0/6

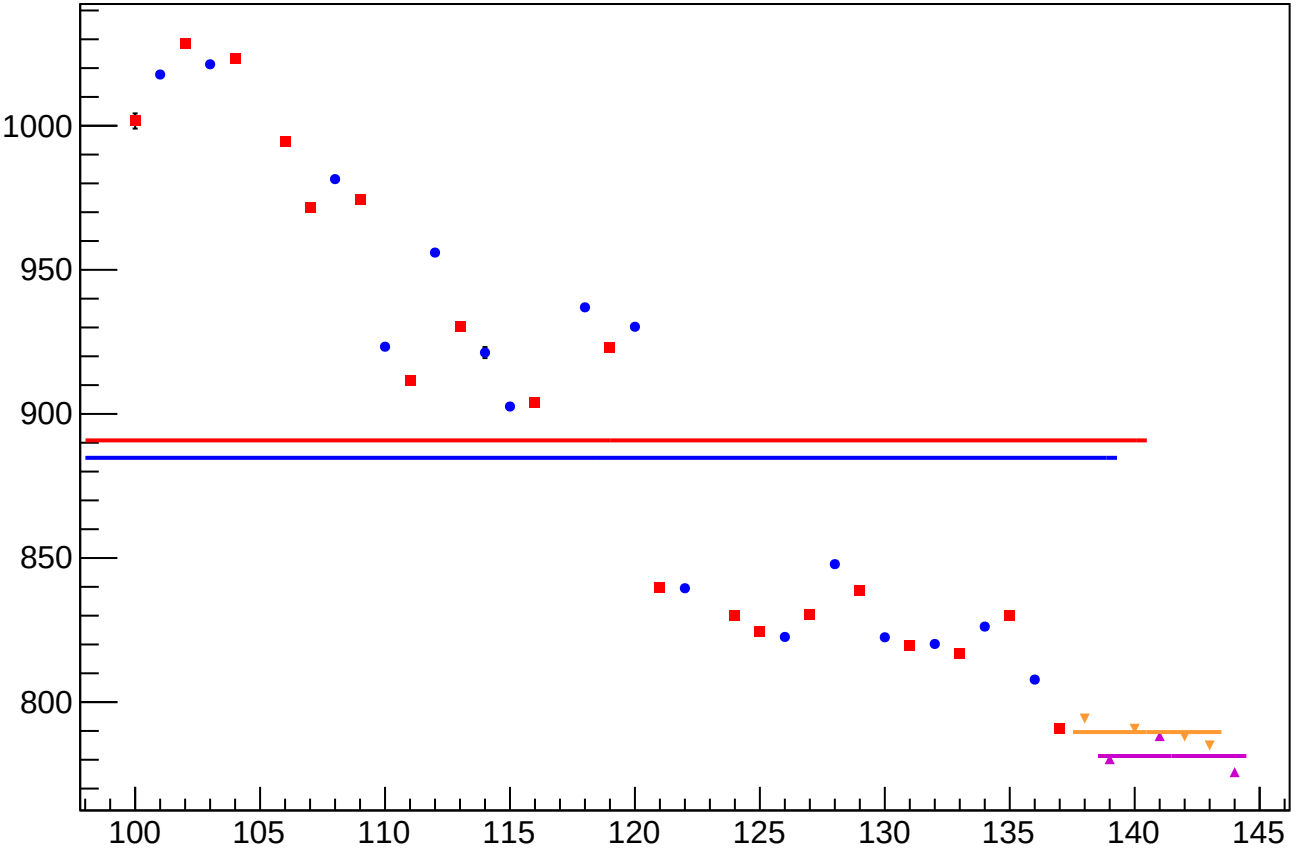
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.603+/-0.272 χ^2/NDF:130.2/18

Out: -2.167+/-0.267 χ^2/NDF:182.6/22

All: -1.890+/-0.191 χ^2/NDF: 315.0/41

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 789.610+/-0.329 χ^2/NDF:118.4/3

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 781.297+/-0.341 χ^2/NDF:233.3/2

Left: 785.596+/-0.237 χ^2/NDF: 659.9/6

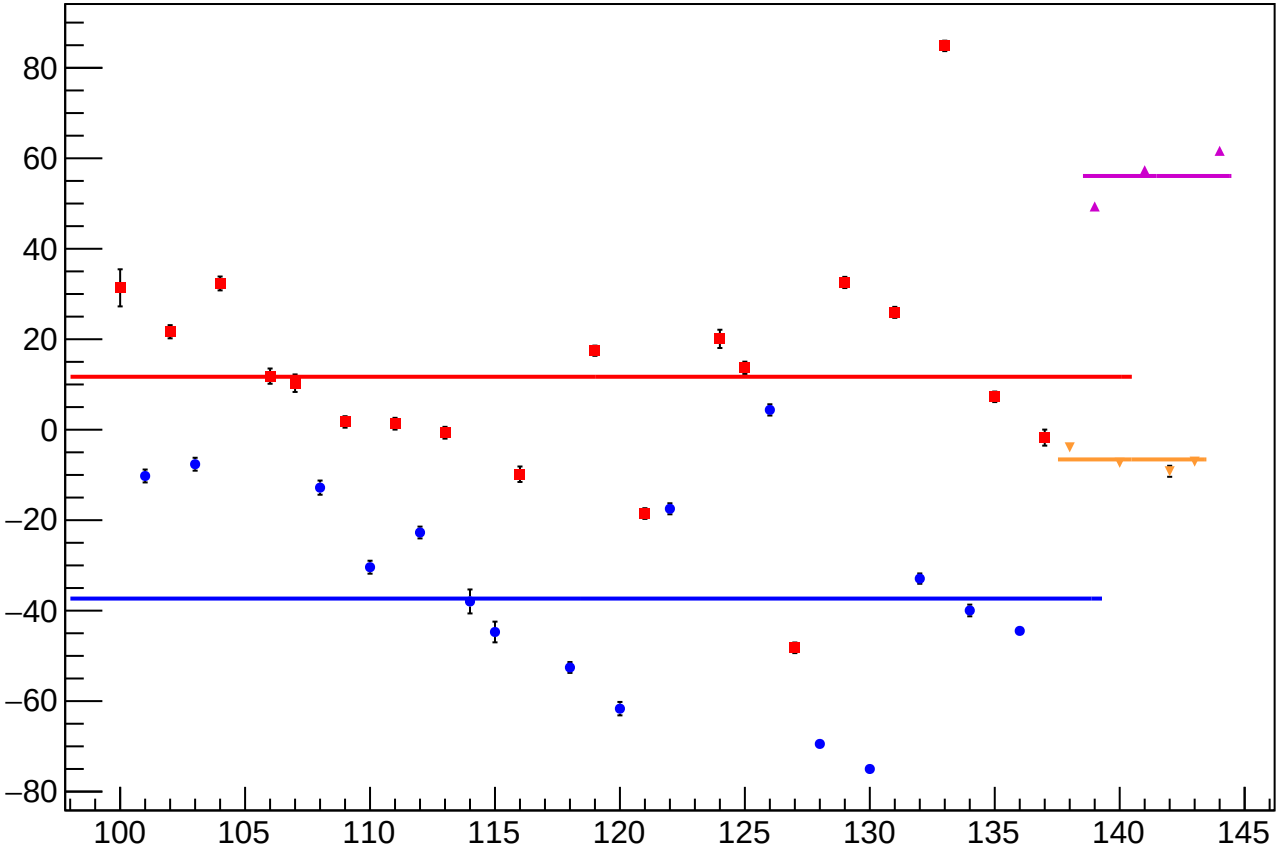
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 851.729+/-0.192 χ^2/NDF:167561.2/18

Out: 857.492+/-0.189 χ^2/NDF:171325.9/22

All: 854.665+/-0.135 χ^2/NDF: 339343.8/41

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -6.571+/-0.473 χ^2/NDF:14.6/3

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 56.093+/-0.493 χ^2/NDF:109.0/2

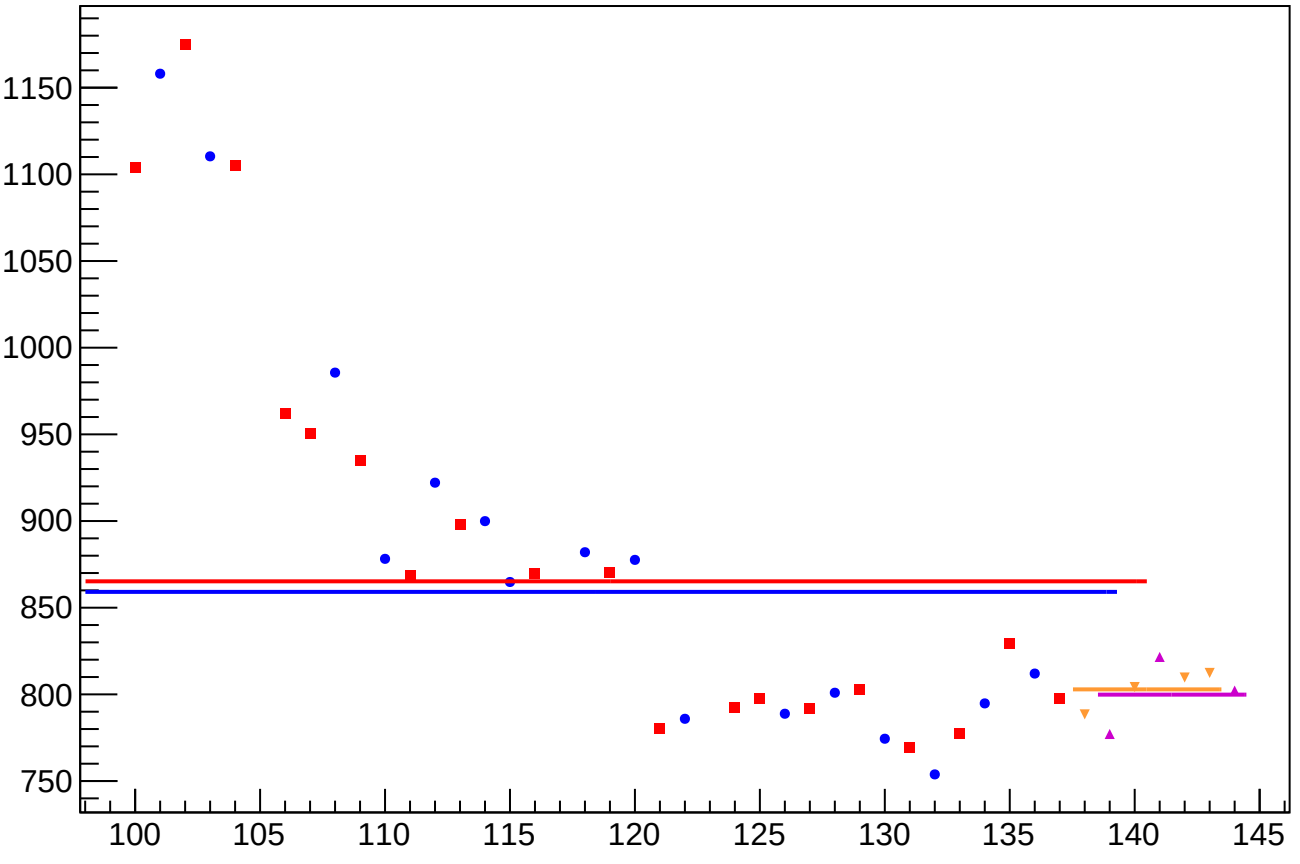
Left: 23.466+/-0.341 χ^2/NDF: 8530.8/6

Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -9.437+/-0.269 χ^2/NDF:30467.6/18

Out: 6.021+/-0.264 χ^2/NDF:9506.2/22

All: -1.546+/-0.189 χ^2/NDF: 41653.9/41



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 802.881+/-0.335 χ^2/NDF:812.8/3

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 799.845+/-0.349 χ^2/NDF:2700.1/2

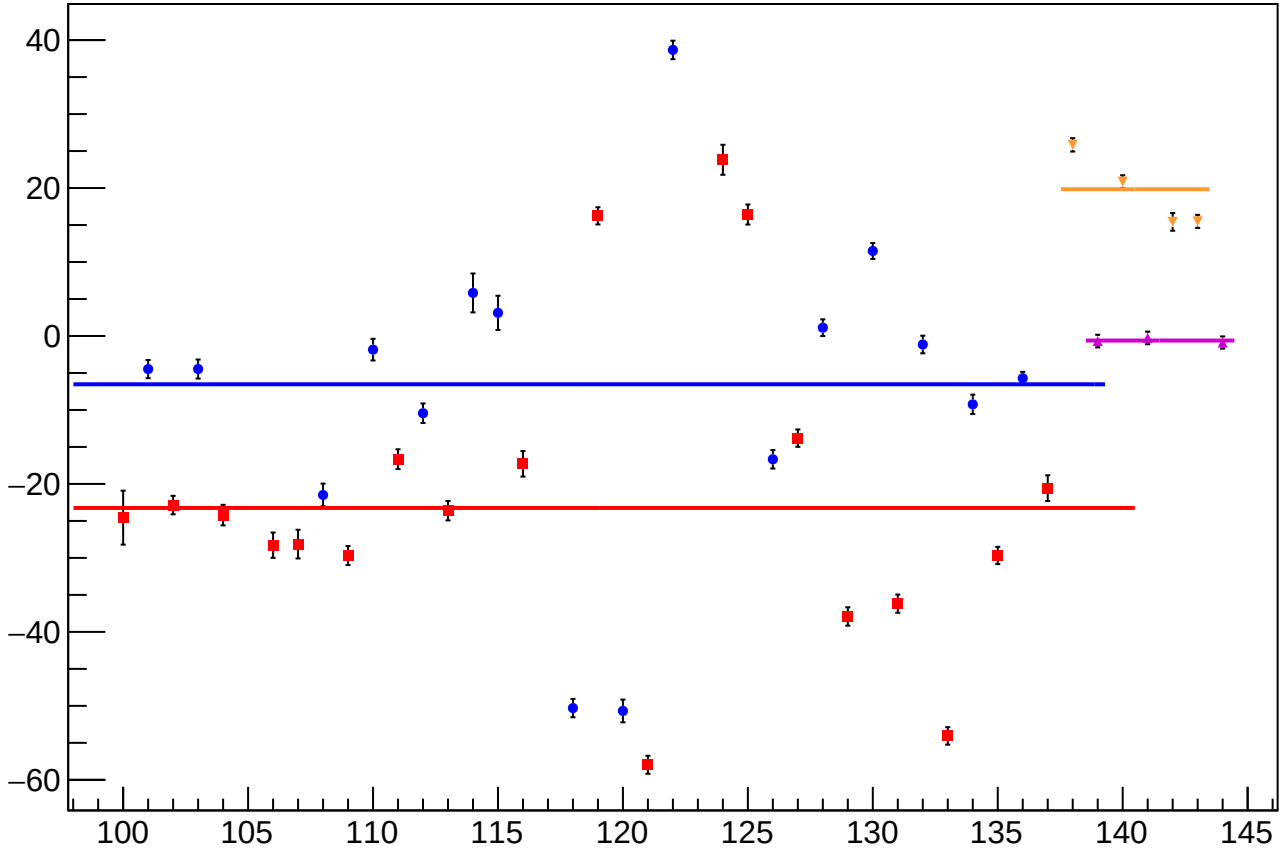
Left: 801.426+/-0.241 χ^2/NDF: 3552.4/6

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 841.427+/-0.191 χ^2/NDF:251682.8/18

Out: 845.826+/-0.187 χ^2/NDF:248395.0/22

All: 843.672+/-0.133 χ^2/NDF: 500349.9/41



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.839+/-0.472 χ^2/NDF:82.8/3

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.617+/-0.489 χ^2/NDF:0.3/2

Left: 9.972+/-0.339 χ^2/NDF: 989.6/6

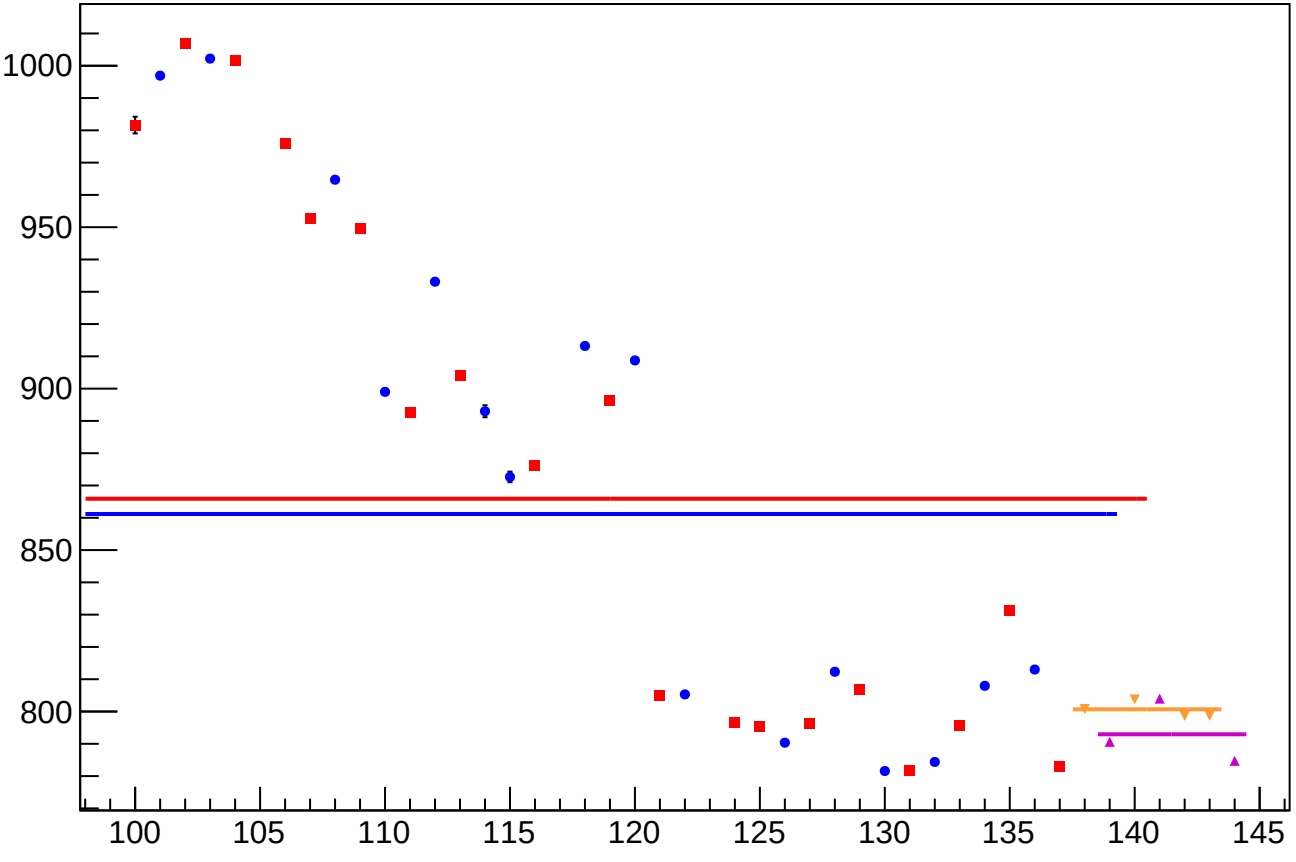
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -4.746+/-0.268 χ^2/NDF:4048.6/18

Out: -9.844+/-0.263 χ^2/NDF:10296.7/22

All: -7.346+/-0.188 χ^2/NDF: 14529.2/41

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.688+/-0.334 χ^2/NDF:40.4/3

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 792.947+/-0.346 χ^2/NDF:546.0/2

Left: 796.954+/-0.240 χ^2/NDF: 846.1/6

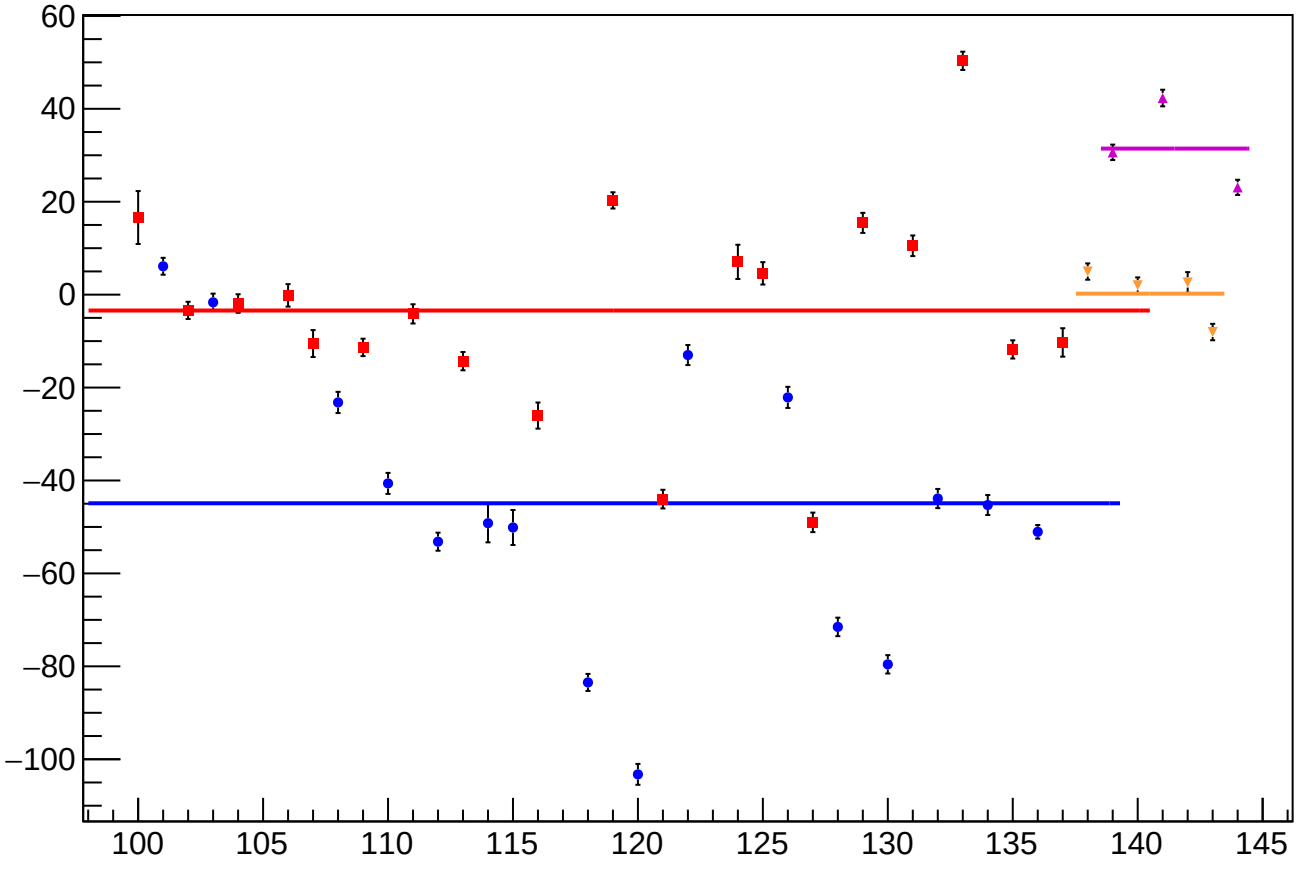
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 840.595+/-0.190 χ^2/NDF:141287.9/18

Out: 845.623+/-0.186 χ^2/NDF:144784.6/22

All: 843.159+/-0.133 χ^2/NDF: 286430.3/41

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 0.215+/-0.916 χ^2/NDF:31.5/3

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 31.437+/-0.976 χ^2/NDF:63.3/2

Left: 14.835+/-0.668 χ^2/NDF: 638.7/6

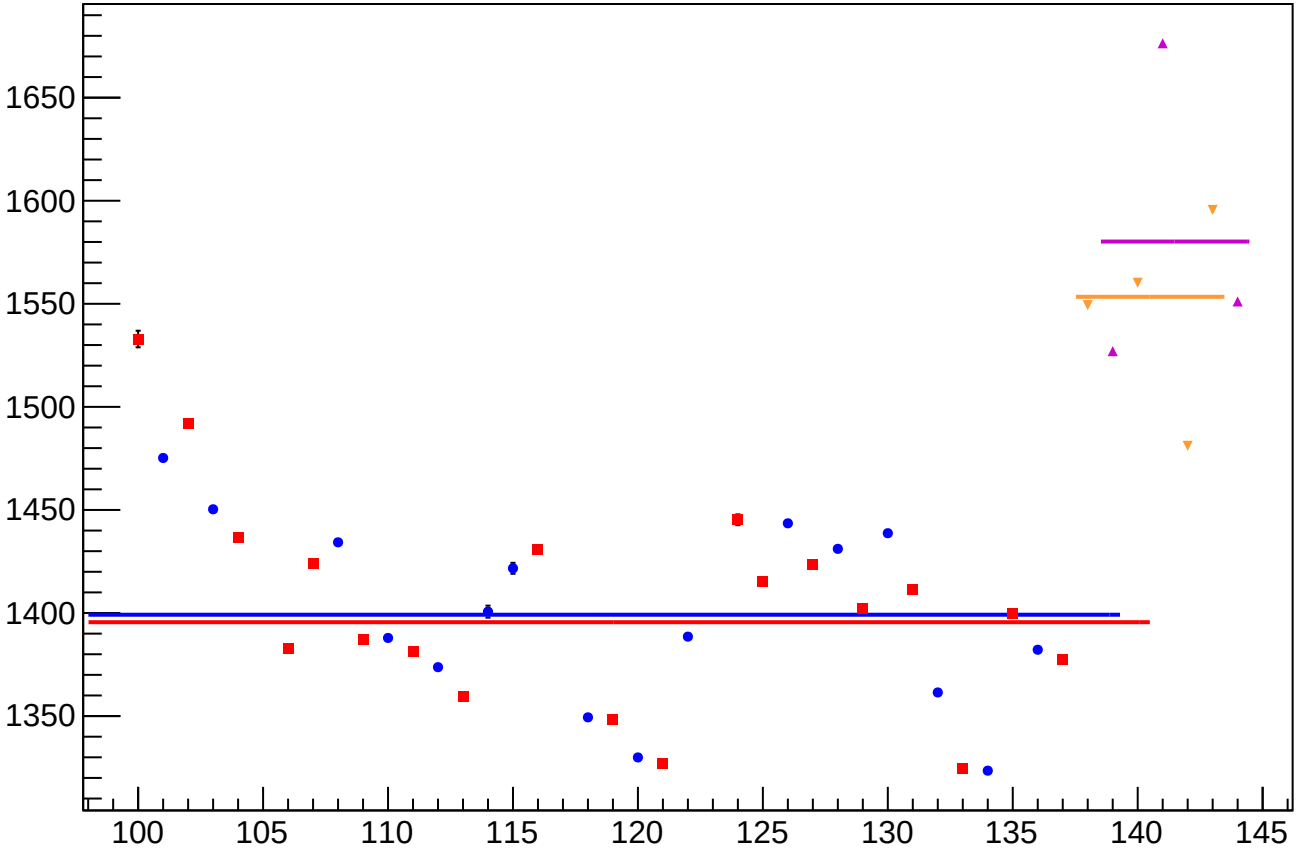
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -28.039+/-0.459 χ^2/NDF:8204.6/18

Out: -2.559+/-0.445 χ^2/NDF:2145.7/22

All: -14.909+/-0.319 χ^2/NDF: 11939.0/41

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1553.403+/-0.648 χ^2/NDF:3280.4/3

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1580.204+/-0.690 χ^2/NDF:8474.0/2

Left: 1565.952+/-0.472 χ^2/NDF: 12555.9/6

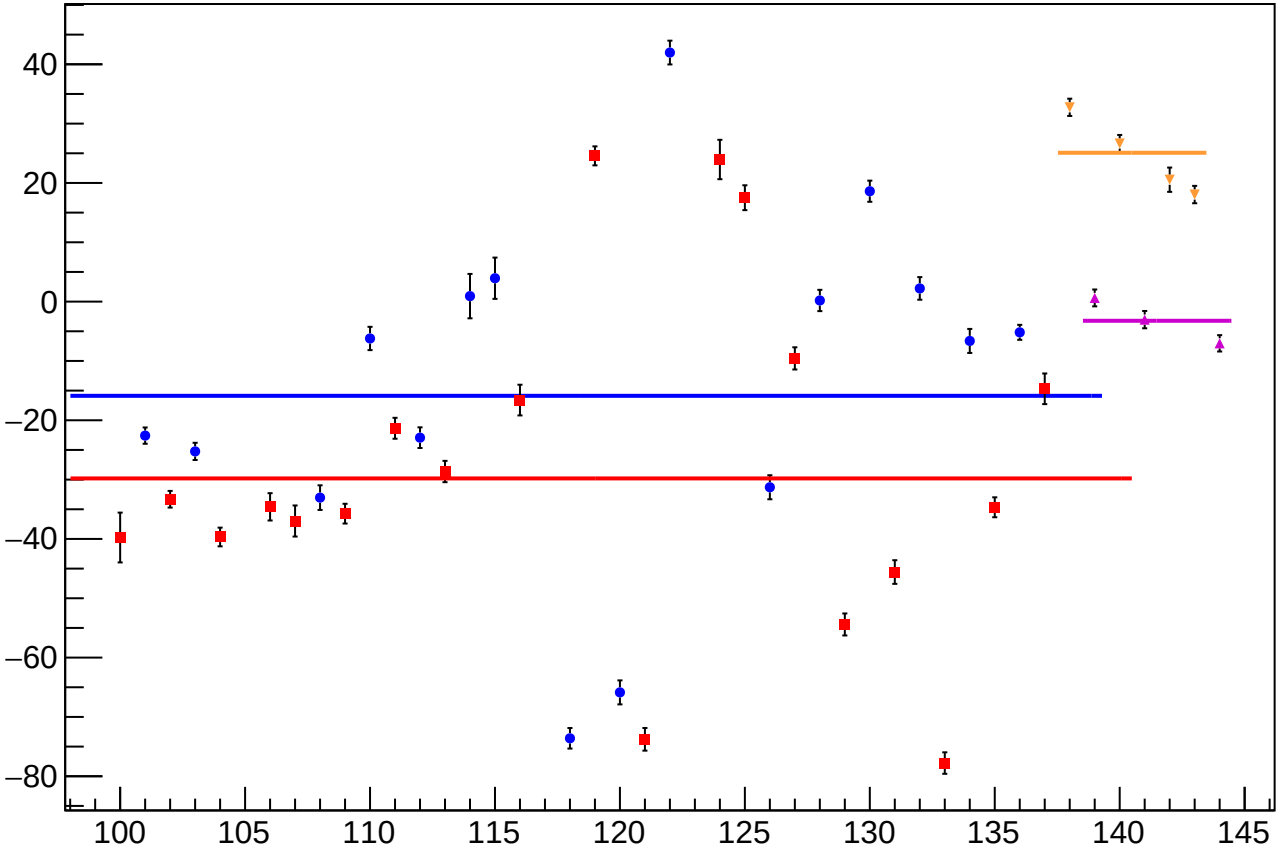
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1439.167+/-0.324 χ^2/NDF:76892.3/18

Out: 1432.797+/-0.315 χ^2/NDF:64887.7/22

All: 1435.884+/-0.226 χ^2/NDF: 141978.6/41

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 25.087+/-0.777 χ^2/NDF:56.9/3

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -3.231+/-0.819 χ^2/NDF:15.0/2

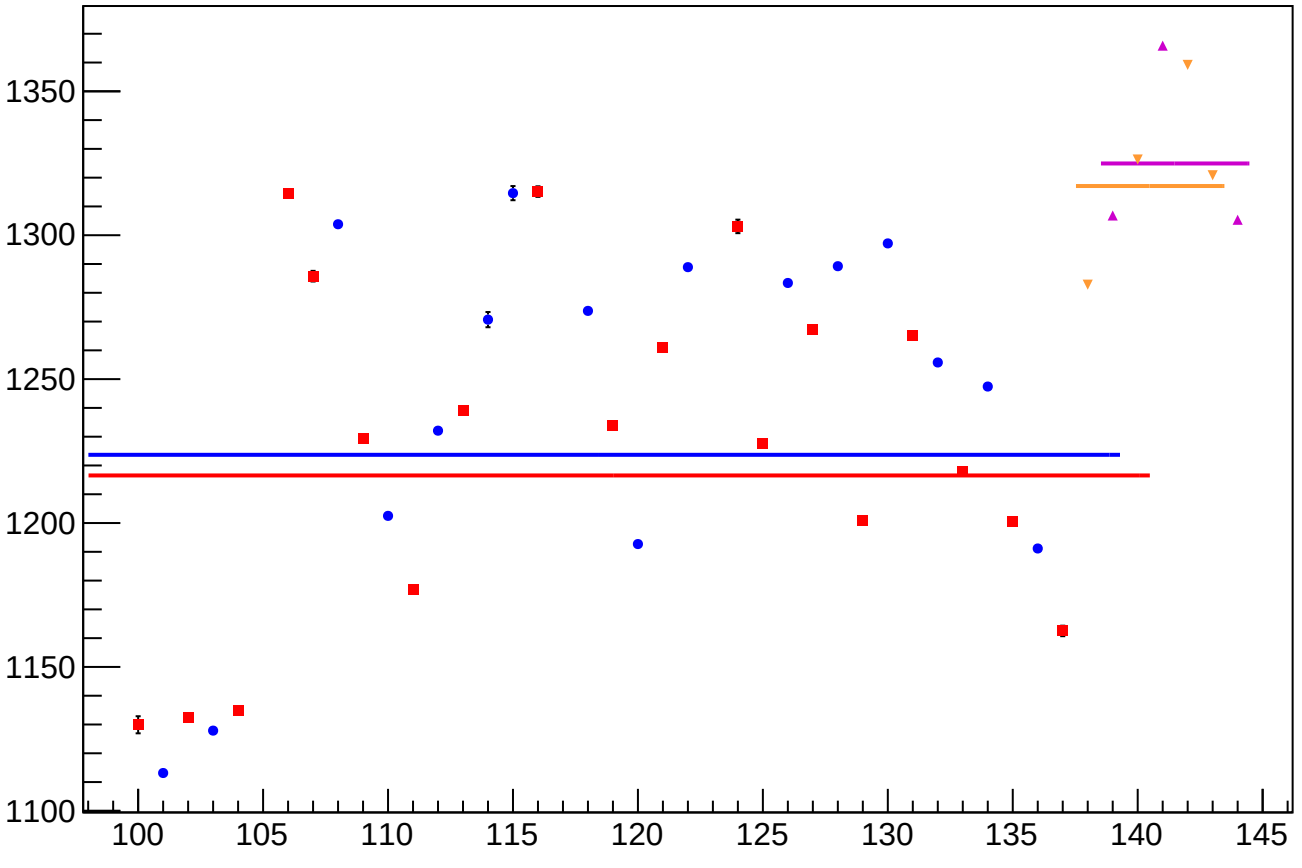
Left: 11.668+/-0.564 χ^2/NDF: 701.4/6

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.891+/-0.398 χ^2/NDF:3675.0/18

Out: -16.271+/-0.386 χ^2/NDF:7498.9/22

All: -14.634+/-0.277 χ^2/NDF: 11211.2/41



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1317.094+/-0.549 χ^2/NDF:2050.0/3

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1324.931+/-0.579 χ^2/NDF:2302.5/2

Left: 1320.807+/-0.398 χ^2/NDF: 4448.9/6

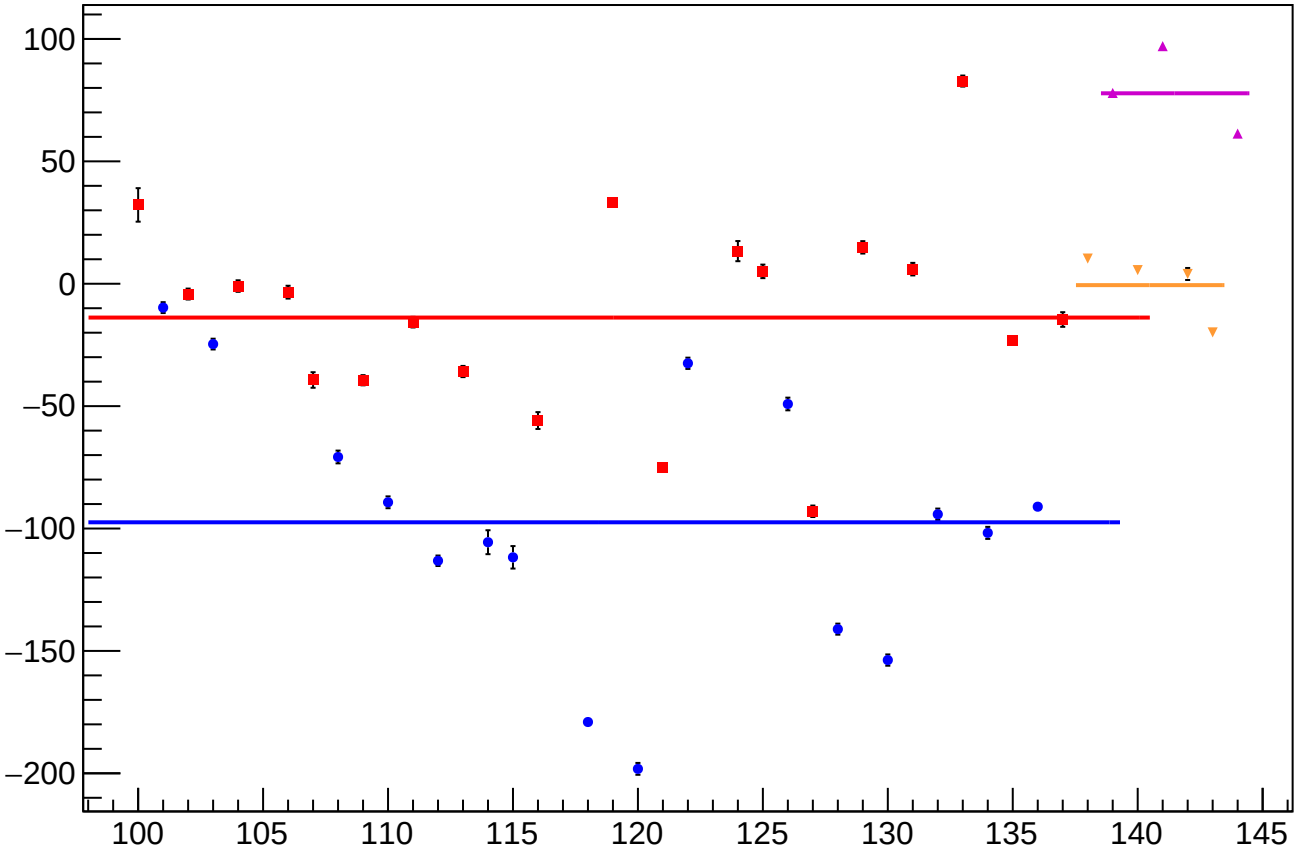
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1247.610+/-0.281 χ^2/NDF:66542.3/18

Out: 1241.320+/-0.273 χ^2/NDF:56678.8/22

All: 1244.368+/-0.196 χ^2/NDF: 123478.7/41

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -0.568+/-0.956 χ^2/NDF:165.9/3

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 77.802+/-1.011 χ^2/NDF:206.3/2

Left: 36.448+/-0.695 χ^2/NDF: 3545.2/6

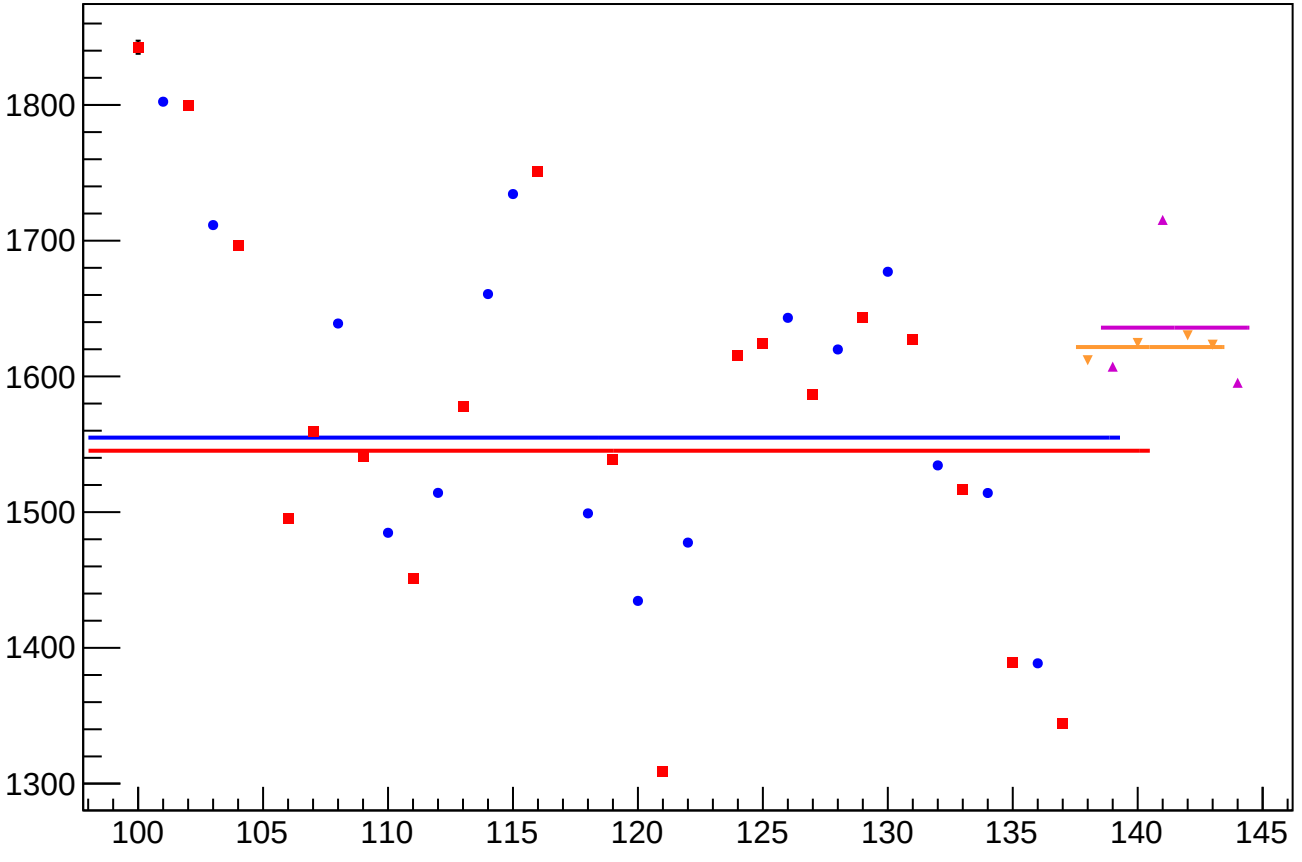
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -54.100+/-0.503 χ^2/NDF:31138.7/18

Out: -10.382+/-0.487 χ^2/NDF:5660.3/22

All: -31.542+/-0.350 χ^2/NDF: 40702.0/41

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1621.638+/-0.676 χ^2/NDF:89.1/3

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1635.921+/-0.715 χ^2/NDF:5470.8/2

Left: 1628.384+/-0.491 χ^2/NDF: 5770.7/6

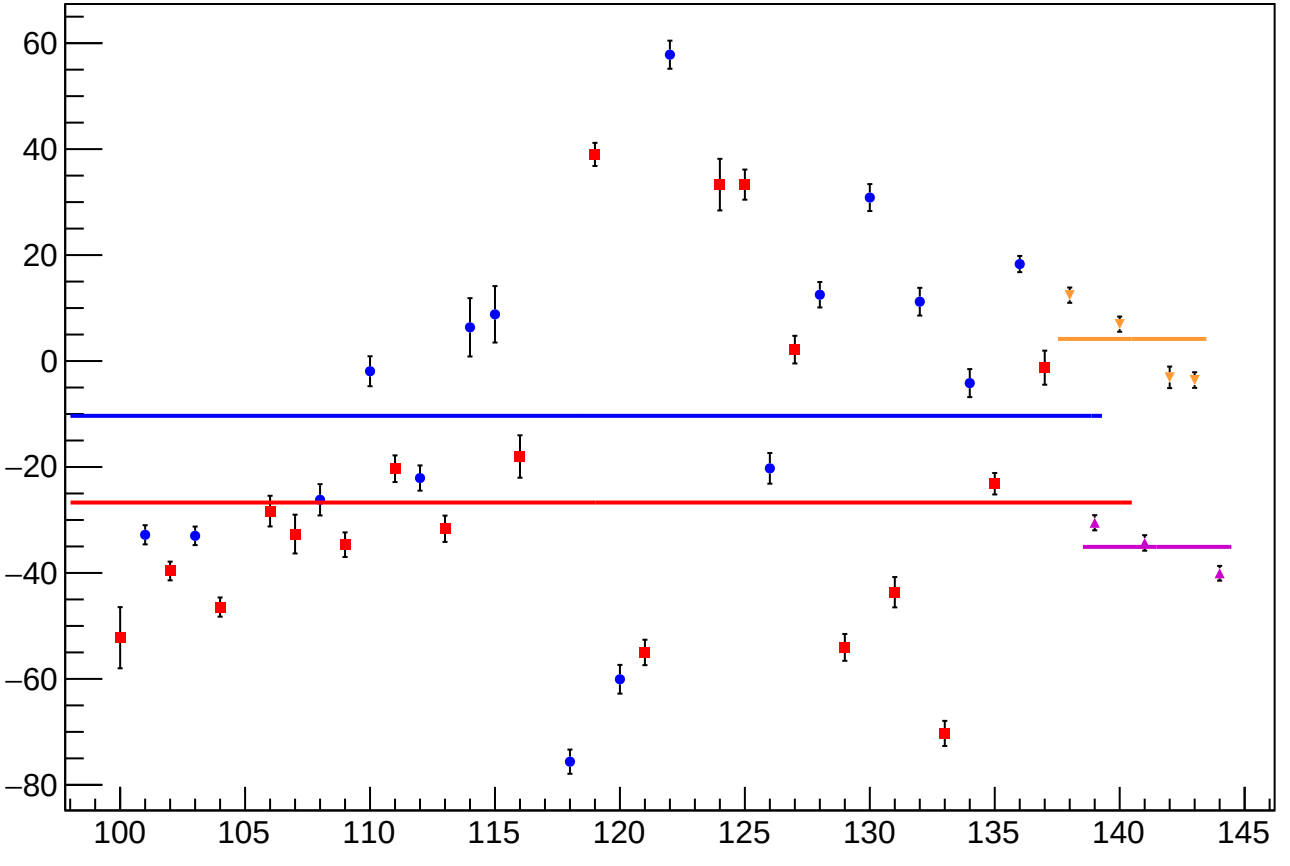
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1574.949+/-0.355 χ^2/NDF:103062.6/18

Out: 1565.045+/-0.344 χ^2/NDF:118336.5/22

All: 1569.839+/-0.247 χ^2/NDF: 221799.7/41

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 4.174+/-0.774 χ^2/NDF:76.9/3

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -35.080+/-0.824 χ^2/NDF:23.2/2

Left: -14.222+/-0.564 χ^2/NDF: 1304.8/6

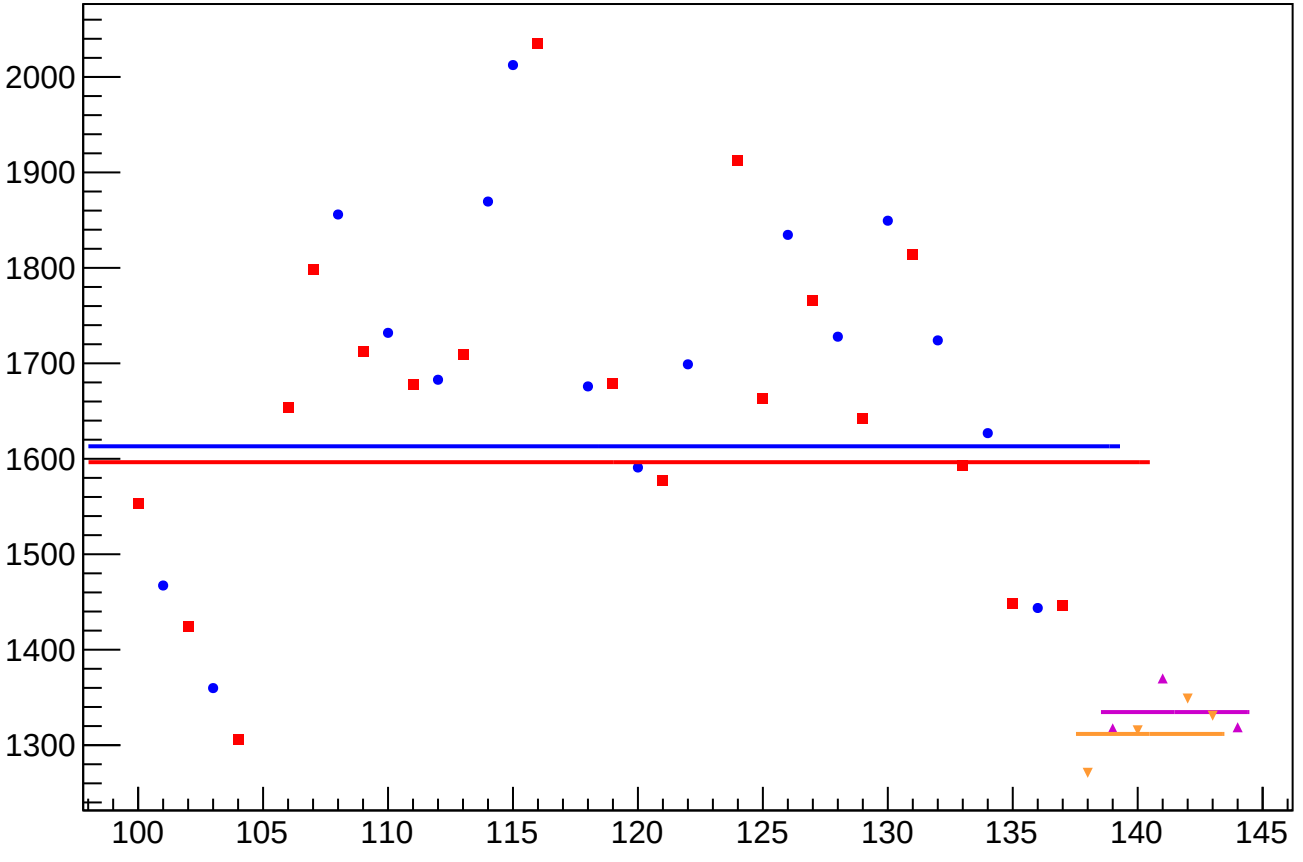
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -18.968+/-0.487 χ^2/NDF:3616.5/18

Out: -15.452+/-0.467 χ^2/NDF:3628.8/22

All: -17.139+/-0.337 χ^2/NDF: 7272.5/41

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1311.766+/-0.547 χ^2/NDF:2608.0/3

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1334.662+/-0.583 χ^2/NDF:1707.1/2

Left: 1322.496+/-0.399 χ^2/NDF: 5134.8/6

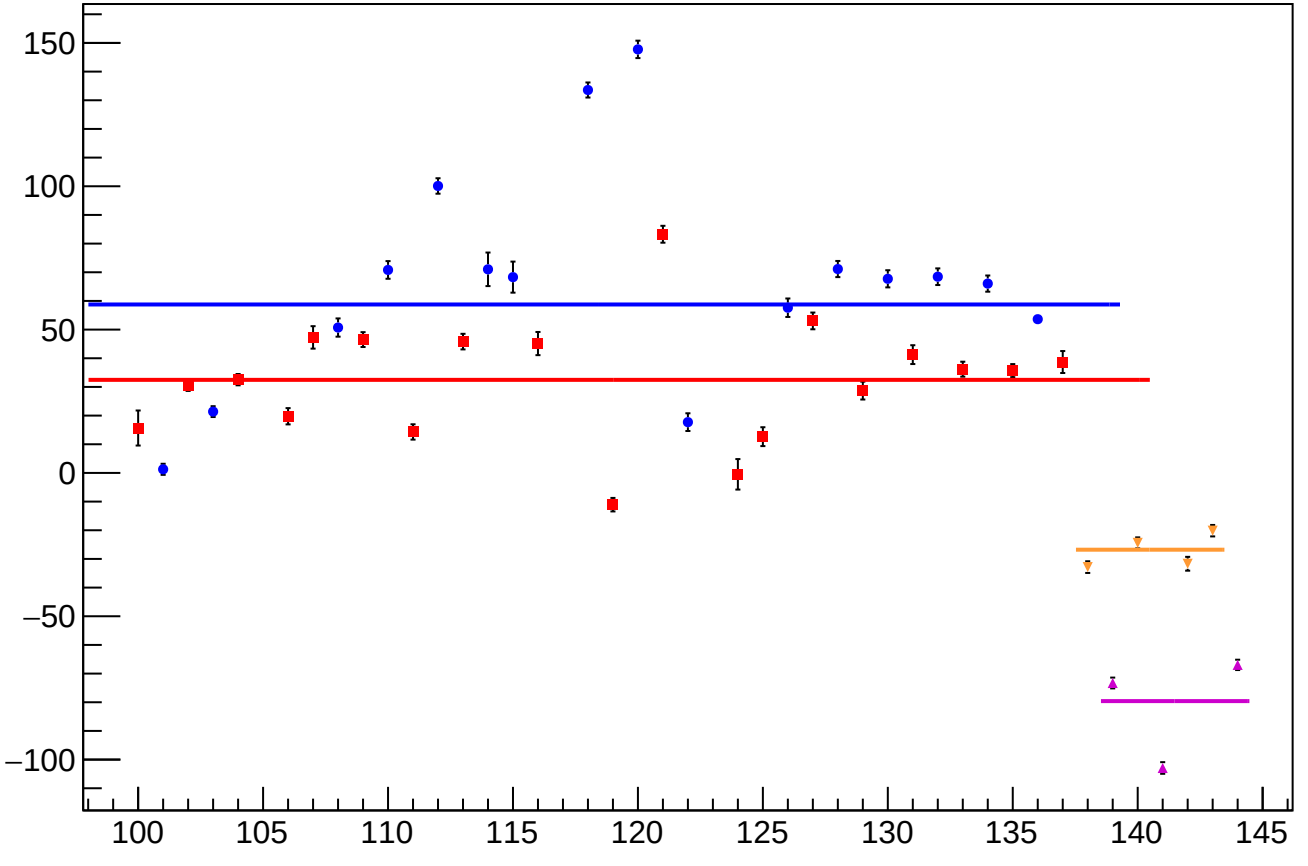
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1516.027+/-0.344 χ^2/NDF:305008.1/18

Out: 1492.676+/-0.331 χ^2/NDF:335156.5/22

All: 1503.878+/-0.238 χ^2/NDF: 642559.0/41

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.782+/-1.035 χ^2/NDF:25.6/3

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -79.599+/-1.097 χ^2/NDF:192.4/2

Left: -51.655+/-0.753 χ^2/NDF: 1445.1/6

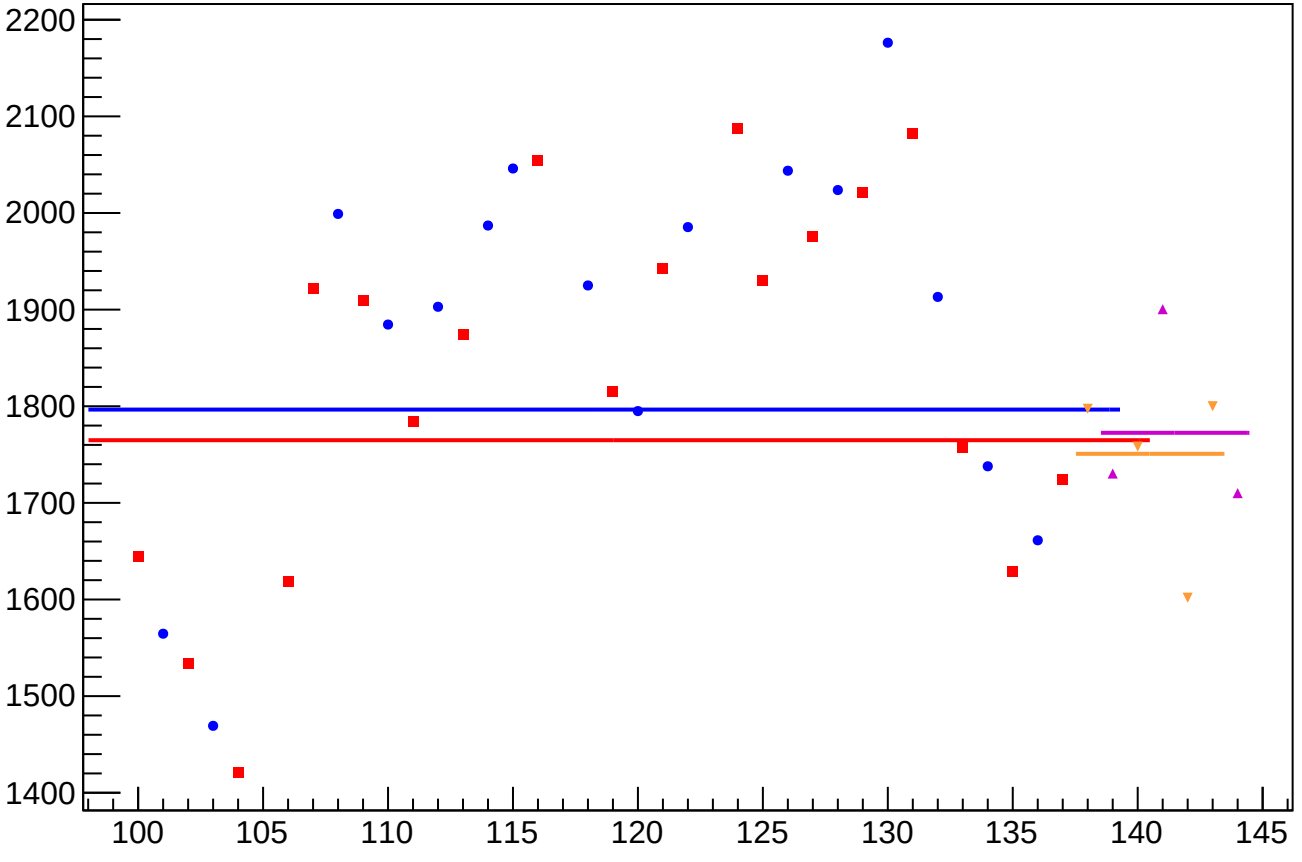
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 20.953+/-0.573 χ^2/NDF:15204.0/18

Out: 15.757+/-0.549 χ^2/NDF:3310.9/22

All: 18.245+/-0.397 χ^2/NDF: 18557.8/41

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1750.787+/-0.732 χ^2/NDF:9902.4/3

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1772.520+/-0.775 χ^2/NDF:11339.1/2

Left: 1761.022+/-0.532 χ^2/NDF: 21657.0/6

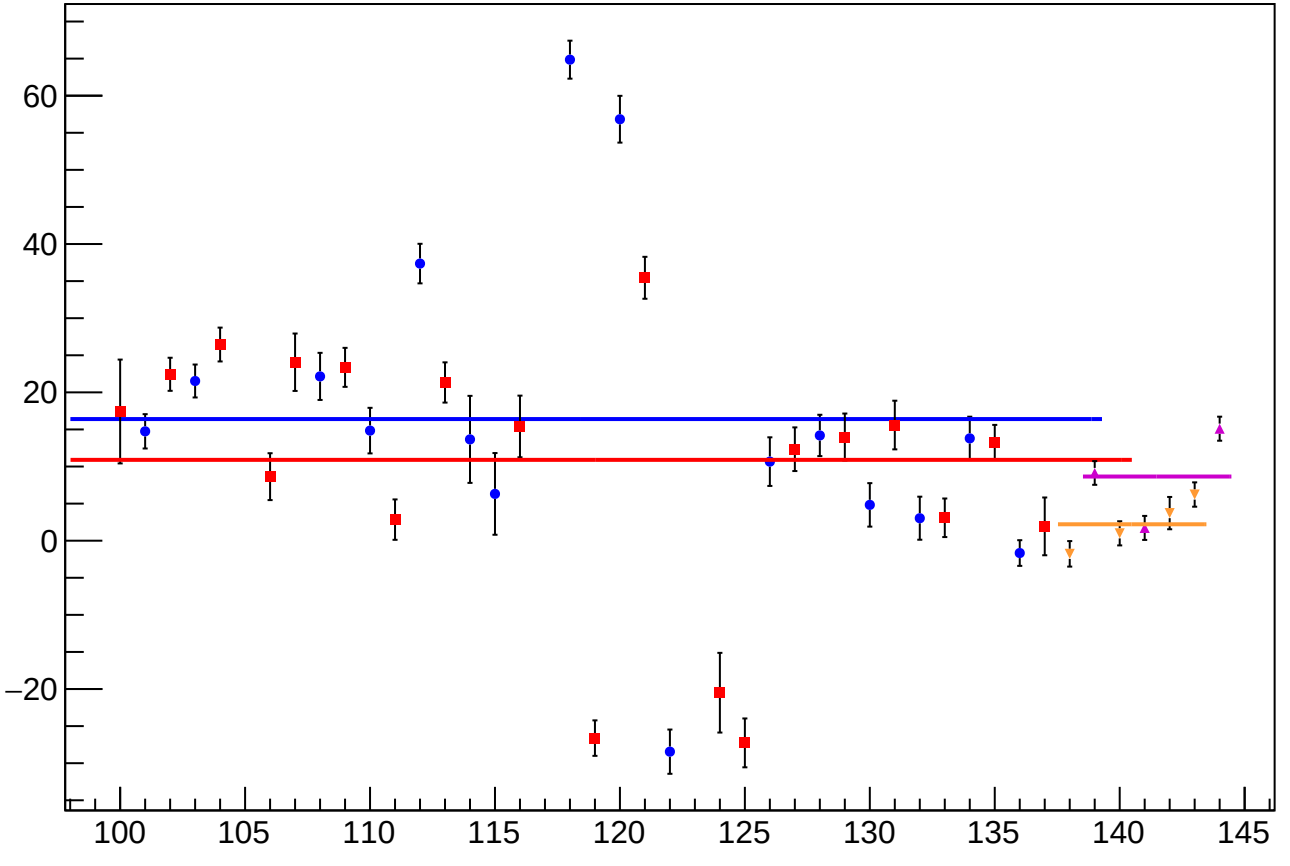
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1789.987+/-0.405 χ^2/NDF:205209.1/18

Out: 1760.891+/-0.389 χ^2/NDF:200155.9/22

All: 1774.822+/-0.280 χ^2/NDF: 408050.4/41

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.213+/-0.878 χ^2/NDF:12.4/3

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 8.652+/-0.931 χ^2/NDF:34.2/2

Left: 5.244+/-0.639 χ^2/NDF: 71.9/6

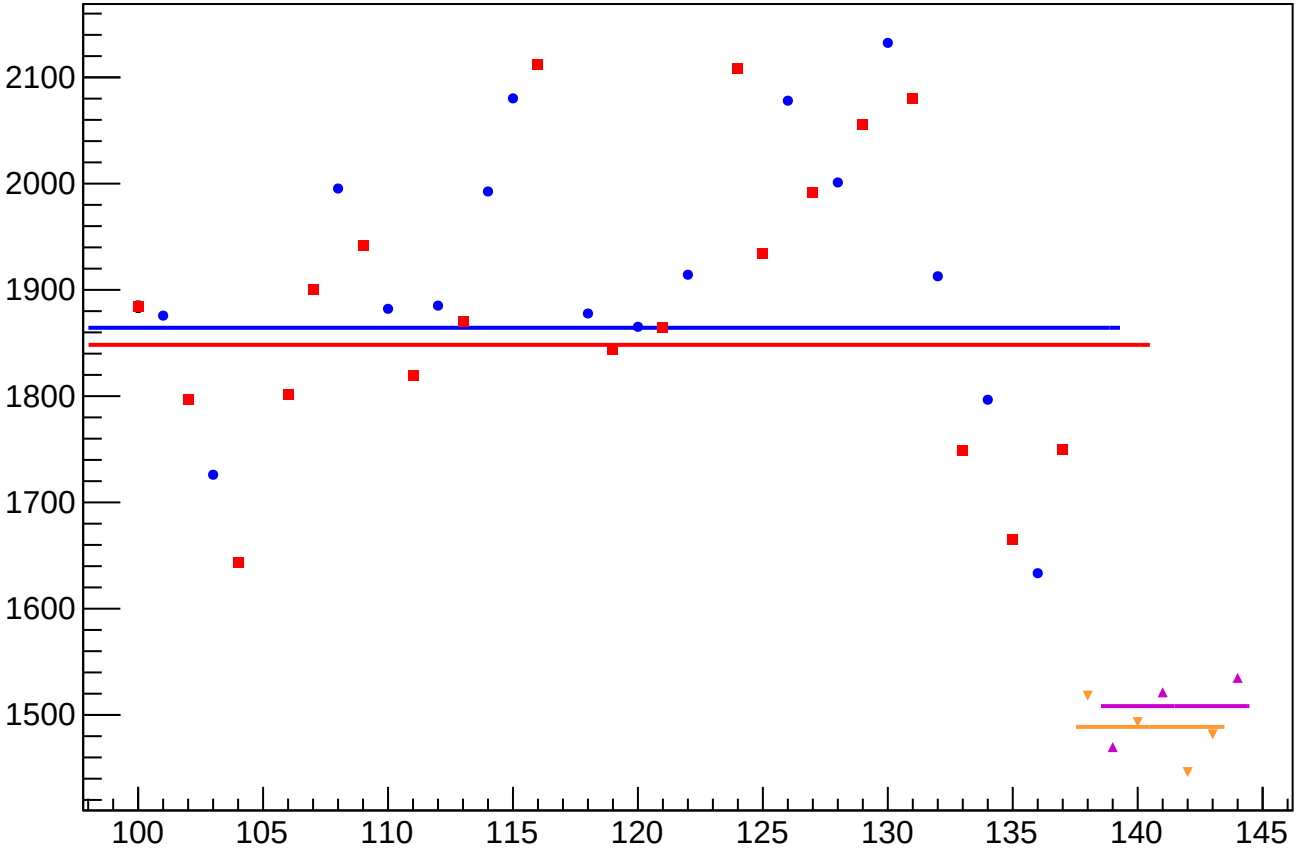
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 13.627+/-0.557 χ^2/NDF:1051.7/18

Out: 7.664+/-0.536 χ^2/NDF:715.5/22

All: 10.530+/-0.386 χ^2/NDF: 1826.7/41

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1488.749+/-0.621 χ^2/NDF:1398.1/3

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1508.303+/-0.658 χ^2/NDF:1833.3/2

Left: 1497.953+/-0.452 χ^2/NDF: 3698.4/6

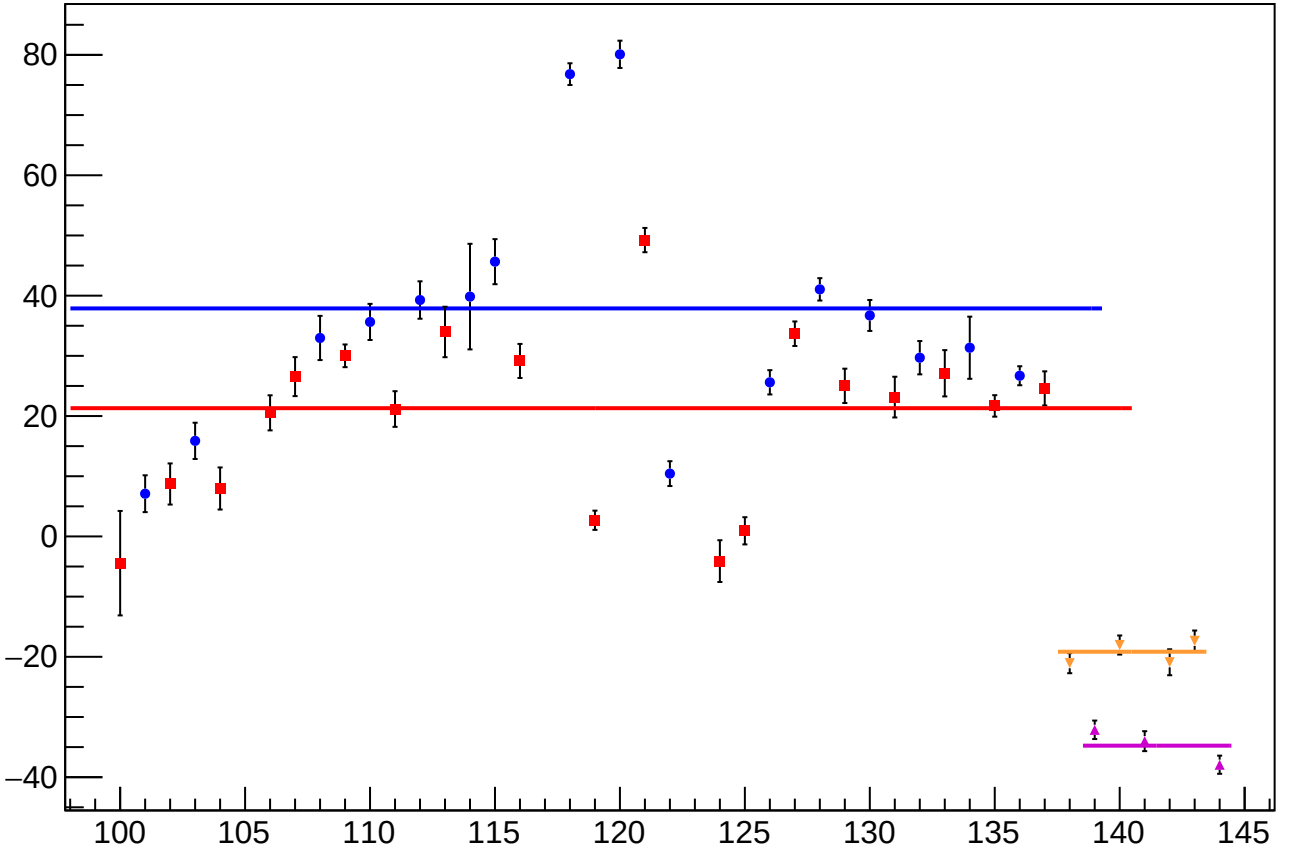
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1736.928+/-0.394 χ^2/NDF:272980.0/18

Out: 1714.391+/-0.379 χ^2/NDF:286881.9/22

All: 1725.223+/-0.273 χ^2/NDF: 561563.1/41

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.156+/-0.872 χ^2/NDF:3.6/3

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -34.761+/-0.902 χ^2/NDF:7.6/2

Left: -26.696+/-0.627 χ^2/NDF: 165.9/6

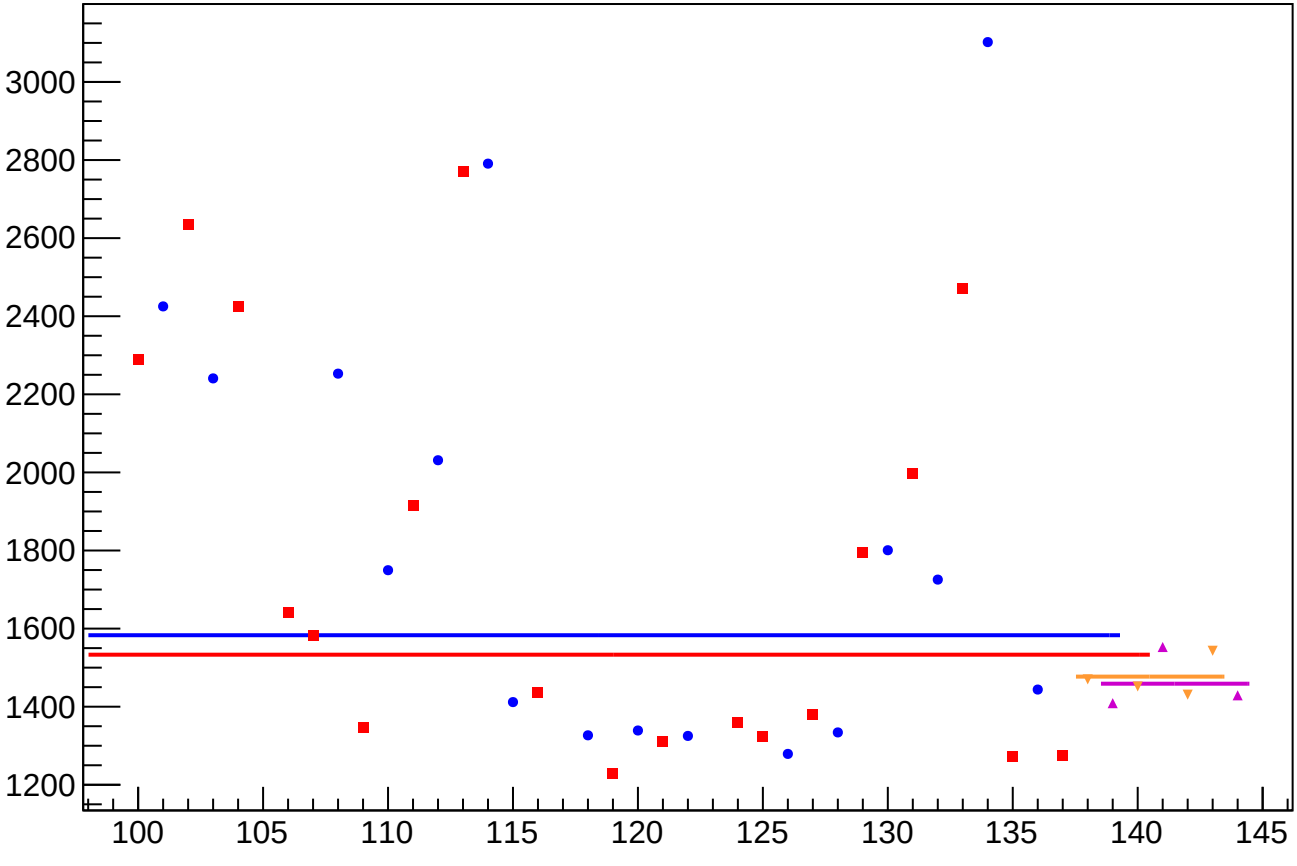
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 14.441+/-0.512 χ^2/NDF:5653.2/18

Out: 8.511+/-0.490 χ^2/NDF:2058.7/22

All: 11.347+/-0.354 χ^2/NDF: 7781.8/41

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1477.047+/-0.617 χ^2/NDF:4452.6/3

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1458.884+/-0.638 χ^2/NDF:9338.5/2

Left: 1468.270+/-0.443 χ^2/NDF: 14210.5/6

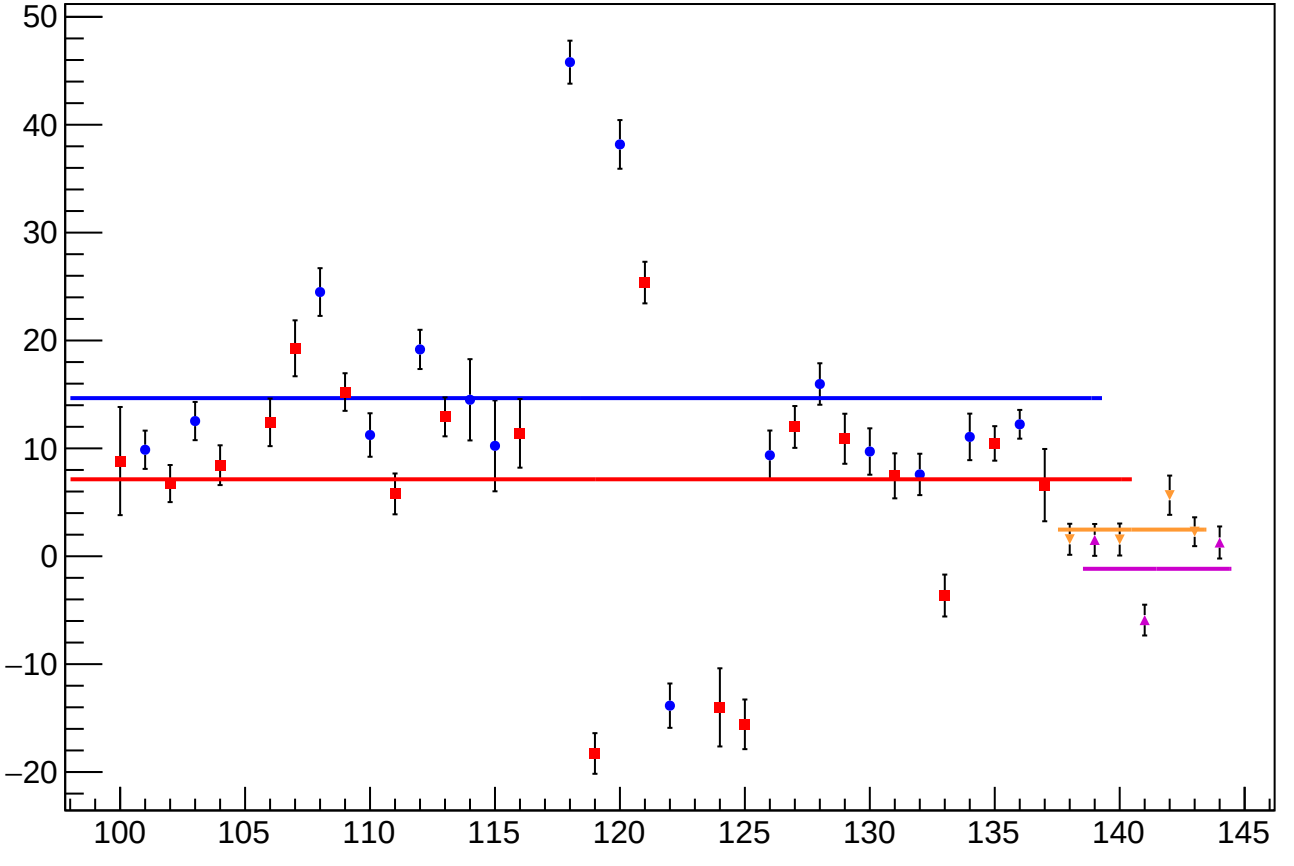
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1542.985+/-0.362 χ^2/NDF:822697.2/18

Out: 1515.436+/-0.347 χ^2/NDF:960900.2/22

All: 1528.609+/-0.250 χ^2/NDF: 1786616.6/41

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.472+/-0.746 χ^2/NDF:3.9/3

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.162+/-0.844 χ^2/NDF:17.1/2

Left: 0.880+/-0.559 χ^2/NDF: 31.3/6

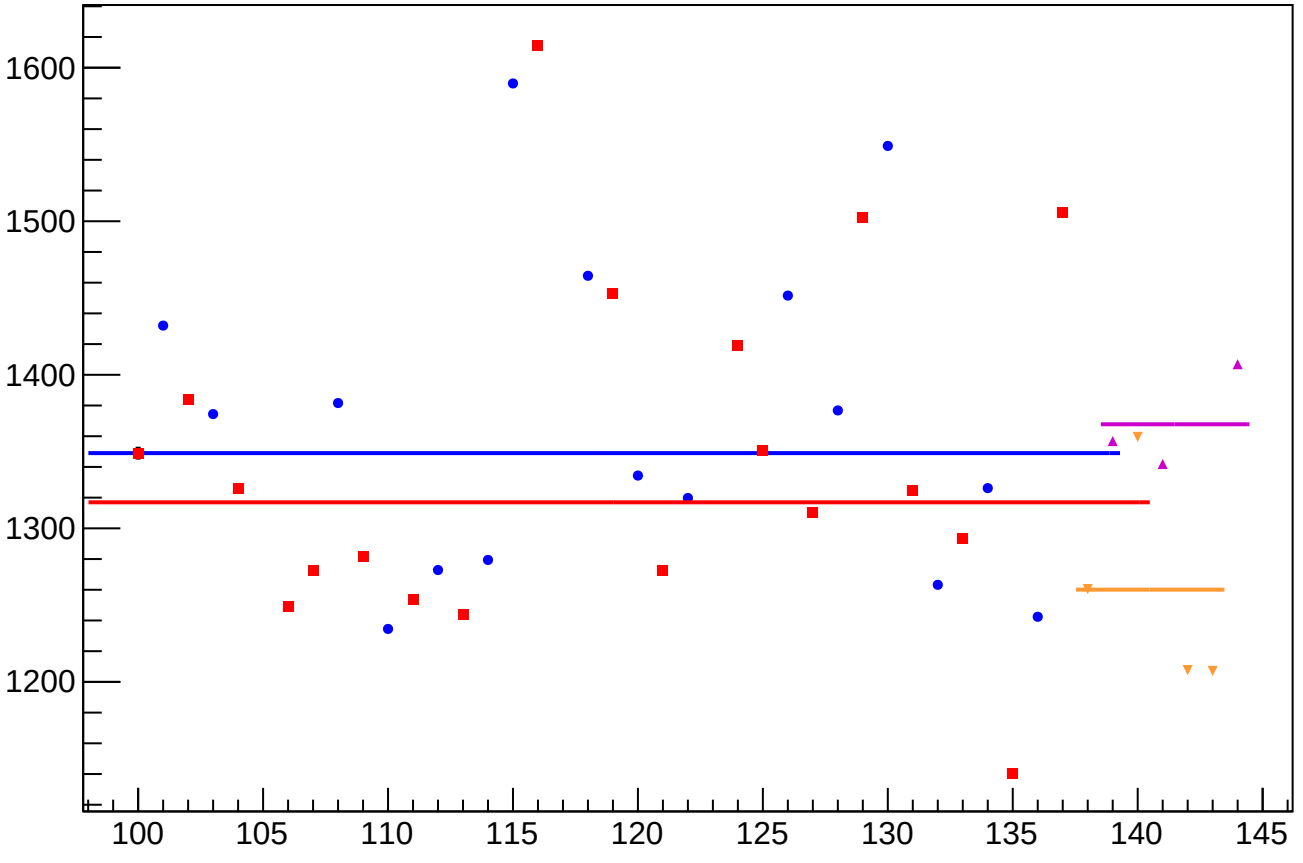
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 10.496+/-0.433 χ^2/NDF:890.5/18

Out: 5.756+/-0.405 χ^2/NDF:540.8/22

All: 7.970+/-0.296 χ^2/NDF: 1495.2/41

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1260.072+/-0.527 χ^2/NDF:13787.5/3

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1367.781+/-0.597 χ^2/NDF:2153.1/2

Left: 1307.260+/-0.395 χ^2/NDF: 34224.7/6

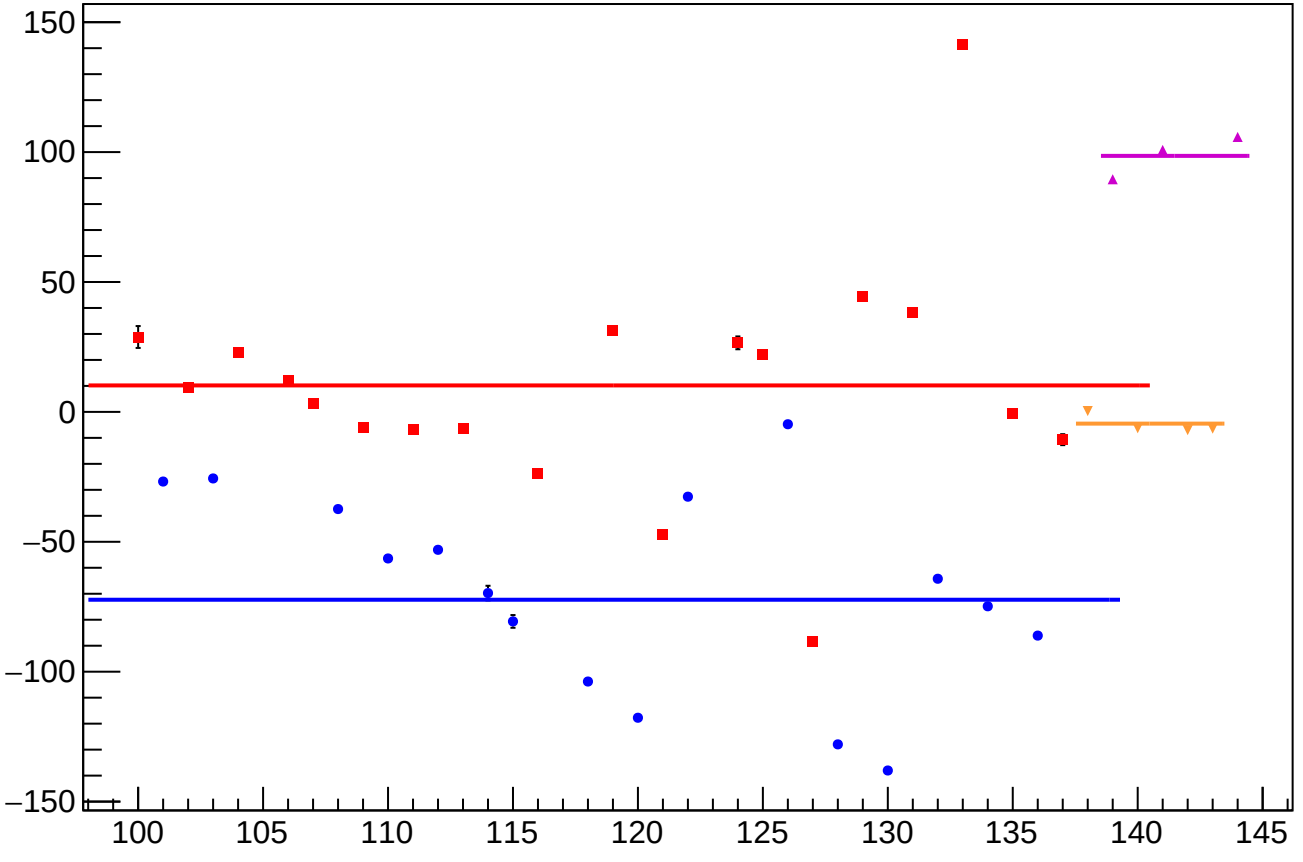
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1353.941+/-0.306 χ^2/NDF:71266.0/18

Out: 1300.136+/-0.287 χ^2/NDF:108860.5/22

All: 1325.269+/-0.209 χ^2/NDF: 196575.4/41

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -4.515+/-0.548 χ^2/NDF:32.2/3

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 98.545+/-0.571 χ^2/NDF:144.0/2

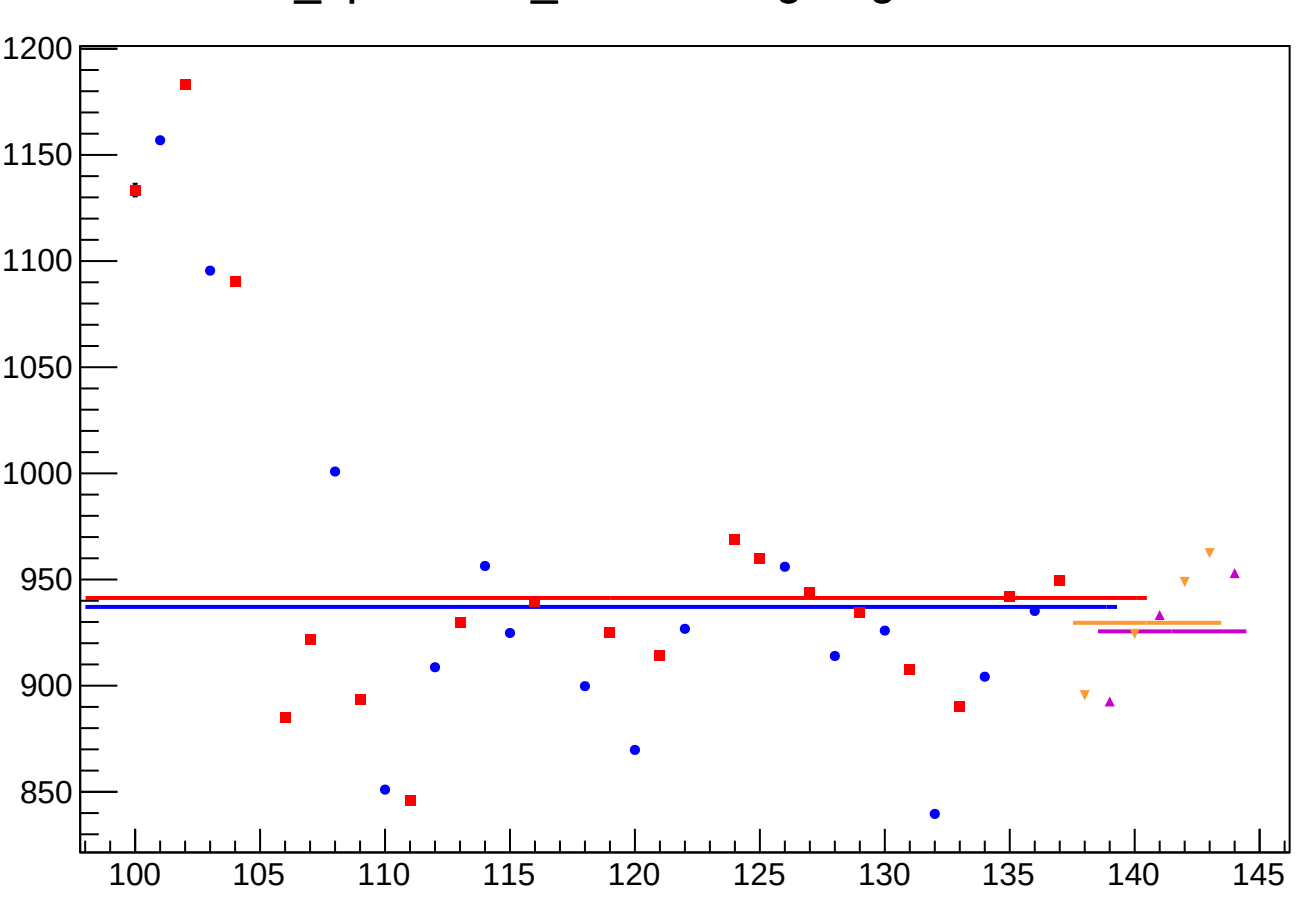
Left: 44.919+/-0.395 χ^2/NDF: 17139.1/6

Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

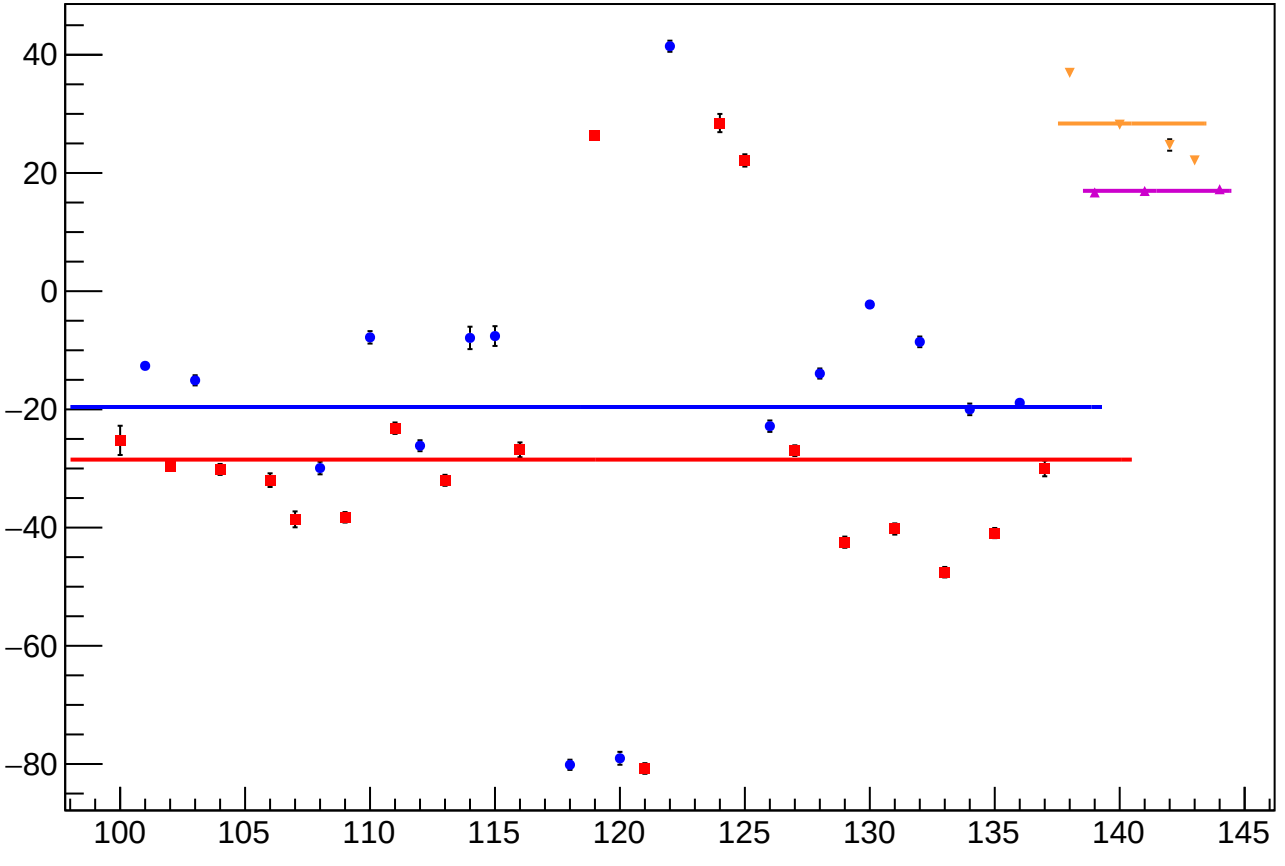
In: -25.726+/-0.298 χ^2/NDF:77463.3/18

Out: 6.023+/-0.292 χ^2/NDF:19594.0/22

All: -9.509+/-0.208 χ^2/NDF: 102853.5/41


diff_bpm1i02X_rms vs Slug, Sign Corrected
1200
1150
1100
1050
1000
950
900
850
100
105
110
115
120
125
130
135
140
145
Right In: 937.097+/-0.247 χ²/NDF: 104660.4/15
Left Out: 929.617+/-0.388 χ²/NDF:4570.8/3
Right Out: 941.323+/-0.244 χ²/NDF: 101031.2/18
Left In: 925.586+/-0.404 χ²/NDF:3931.1/2
Left: 927.683+/-0.280 χ²/NDF: 8553.8/6
Right: 939.240+/-0.173 χ²/NDF: 205839.9/34
In: 933.959+/-0.211 χ²/NDF:109183.2/18
Out: 938.007+/-0.206 χ²/NDF:106256.1/22
All: 936.027+/-0.147 χ²/NDF: 215627.7/41

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 28.371+/-0.377 χ^2/NDF:234.2/3

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 16.980+/-0.399 χ^2/NDF:0.3/2

Left: 22.991+/-0.274 χ^2/NDF: 665.0/6

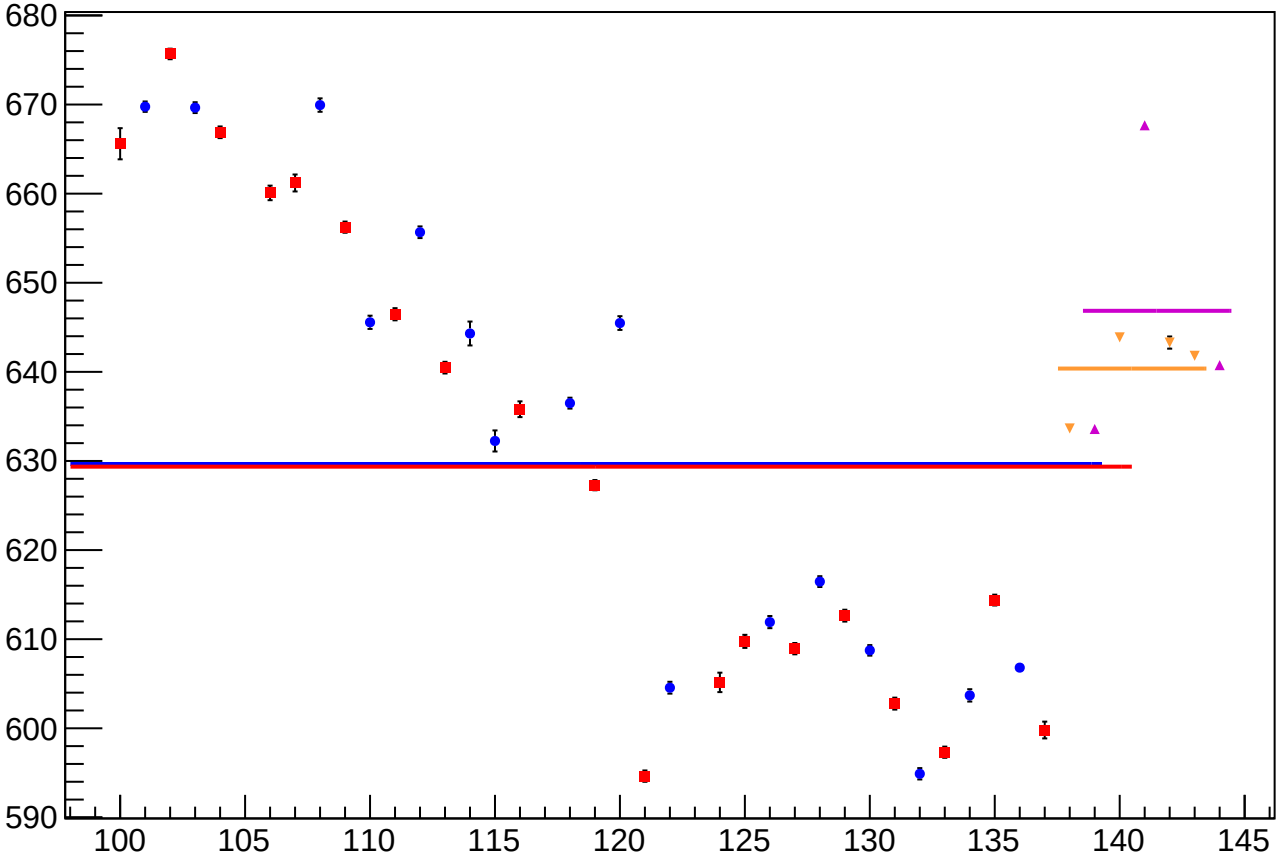
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -10.227+/-0.202 χ^2/NDF:19426.6/18

Out: -13.121+/-0.196 χ^2/NDF:29779.8/22

All: -11.715+/-0.141 χ^2/NDF: 49312.1/41

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 640.371+/-0.267 χ^2/NDF:251.7/3

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 646.850+/-0.282 χ^2/NDF:2625.7/2

Left: 643.431+/-0.194 χ^2/NDF: 3156.0/6

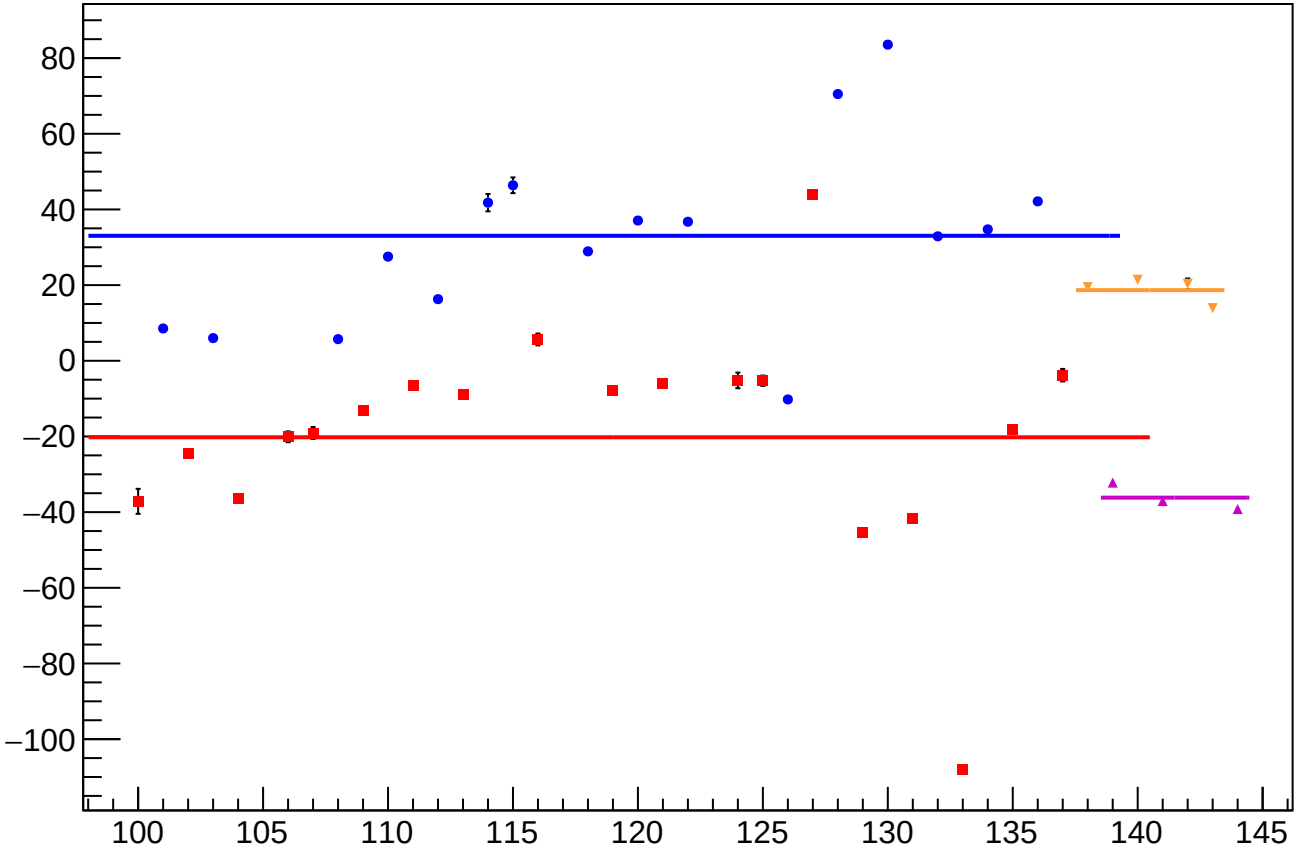
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 634.064+/-0.143 χ^2/NDF:30705.0/18

Out: 632.338+/-0.139 χ^2/NDF:28285.5/22

All: 633.176+/-0.099 χ^2/NDF: 59065.7/41

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.663+/-0.571 χ^2/NDF:27.5/3

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -36.171+/-0.600 χ^2/NDF:23.9/2

Left: -7.434+/-0.414 χ^2/NDF: 4434.9/6

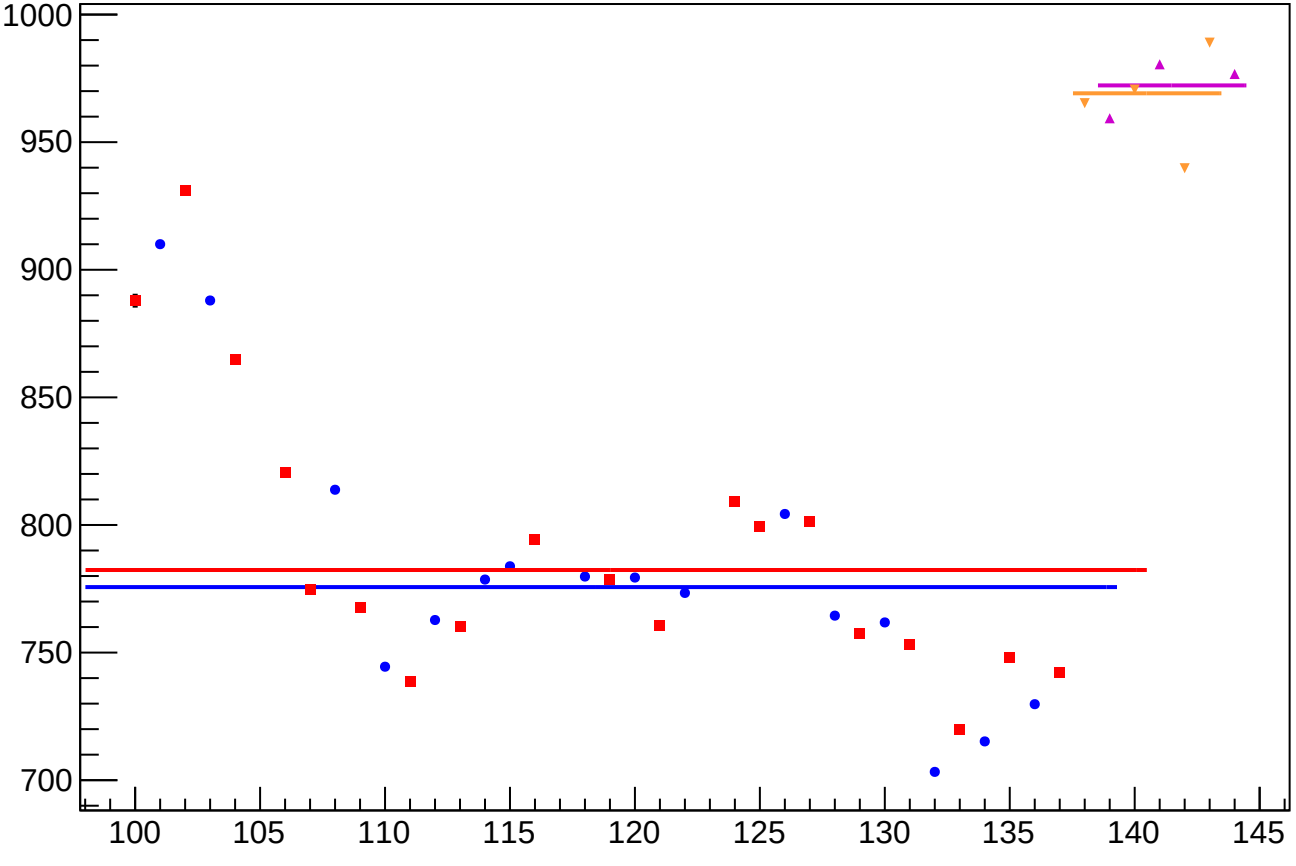
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 19.993+/-0.260 χ^2/NDF:17536.3/18

Out: -12.428+/-0.256 χ^2/NDF:15599.8/22

All: 3.497+/-0.182 χ^2/NDF: 41031.0/41

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 969.145+/-0.404 χ^2/NDF:1545.9/3

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 972.240+/-0.424 χ^2/NDF:468.4/2

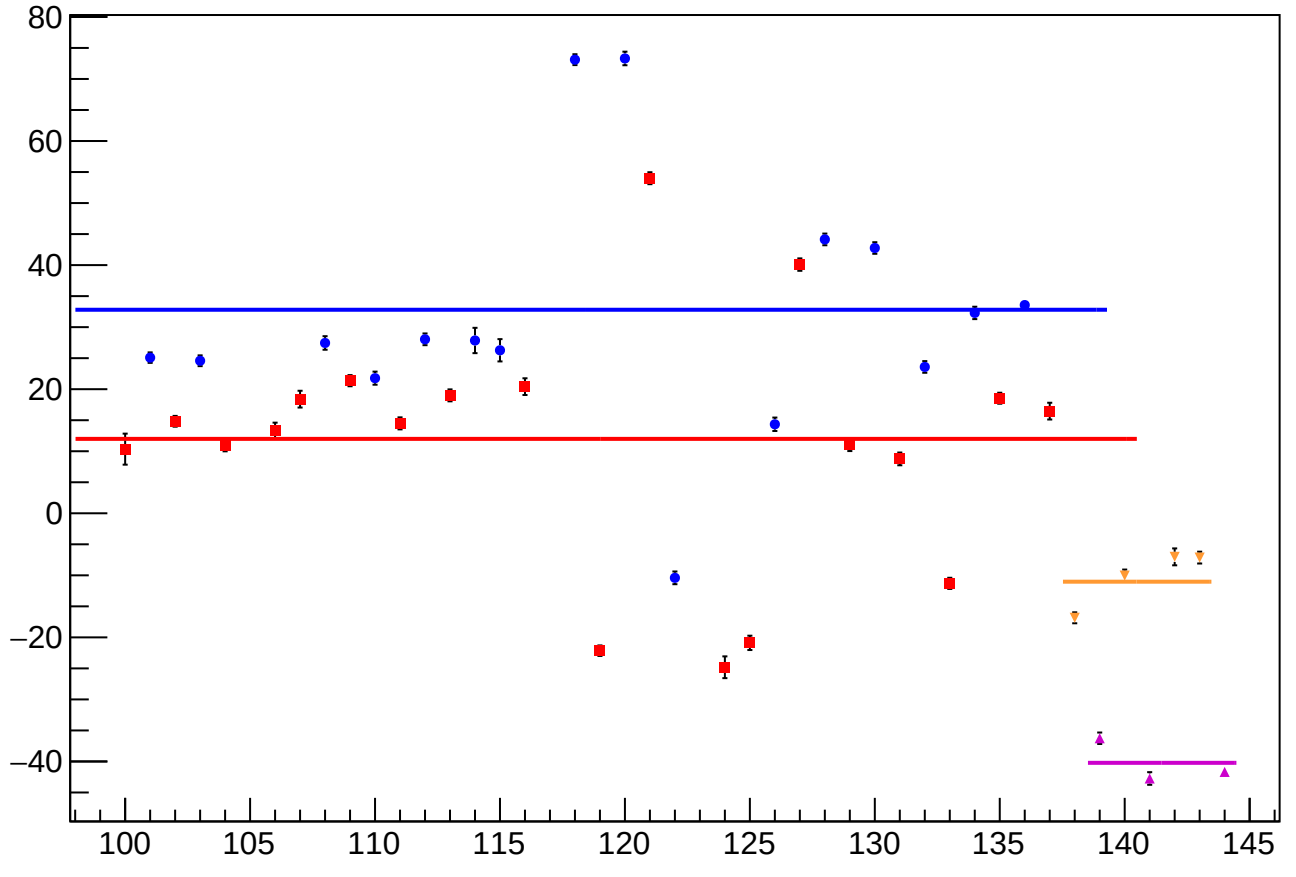
Left: 970.618+/-0.292 χ^2/NDF: 2042.3/6

Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 812.706+/-0.184 χ^2/NDF:249605.3/18

Out: 819.774+/-0.181 χ^2/NDF:237045.4/22

All: 816.302+/-0.129 χ^2/NDF: 487401.2/41



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -11.025+/-0.502 χ^2/NDF:69.6/3

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -40.220+/-0.522 χ^2/NDF:27.9/2

Left: -25.050+/-0.362 χ^2/NDF: 1723.4/6

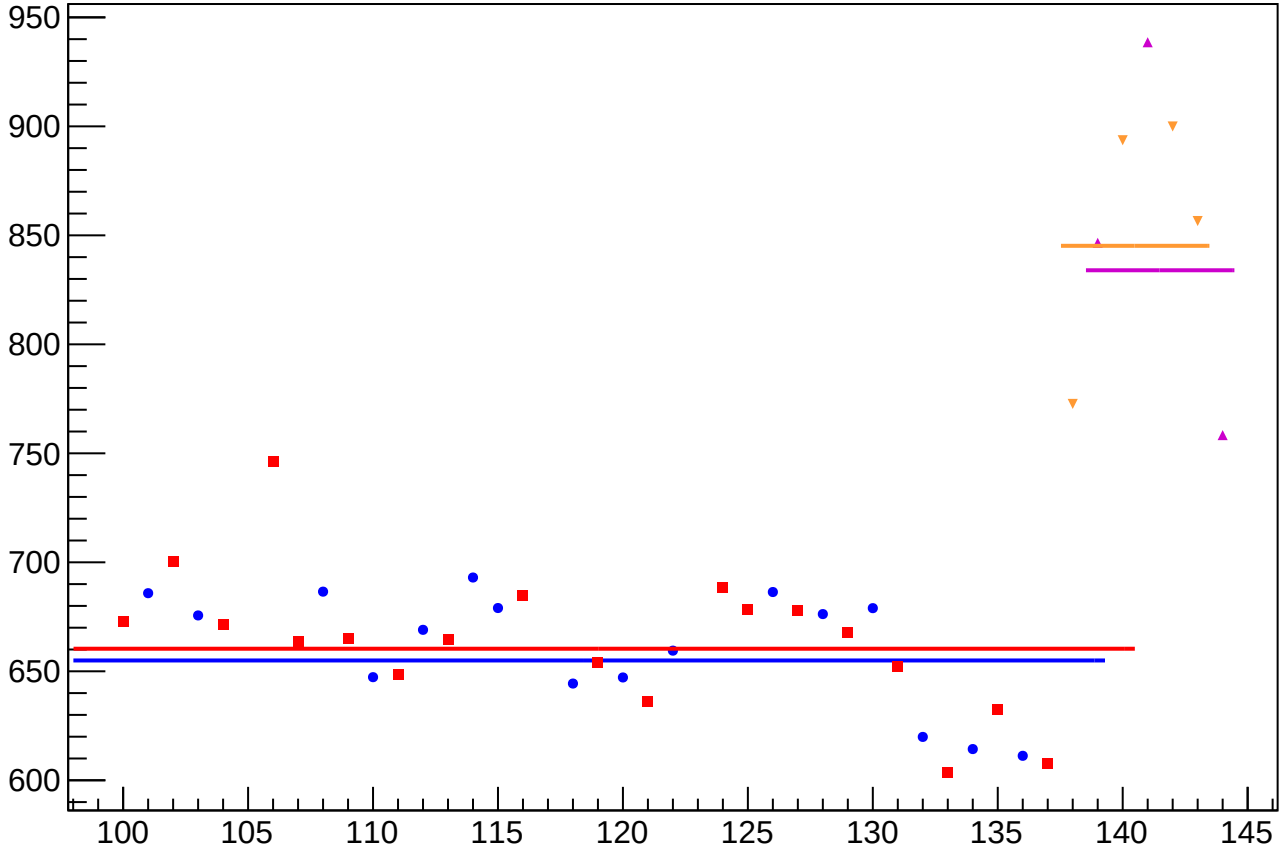
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 19.749+/-0.221 χ^2/NDF:22363.3/18

Out: 7.676+/-0.217 χ^2/NDF:8338.7/22

All: 13.620+/-0.155 χ^2/NDF: 32221.2/41

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 845.196+/-0.355 χ^2/NDF:21930.3/3

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 833.977+/-0.369 χ^2/NDF:38959.2/2

Left: 839.807+/-0.256 χ^2/NDF: 61369.7/6

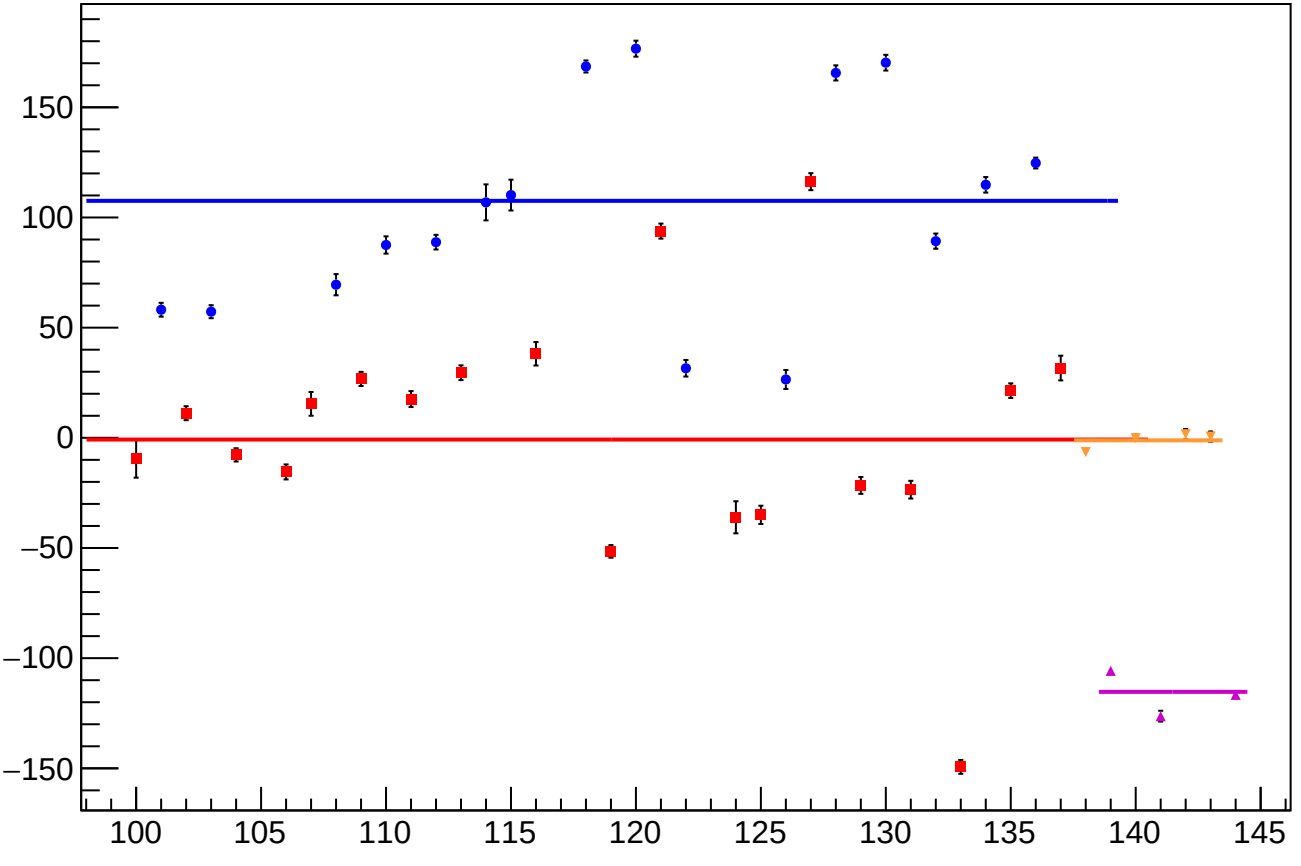
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 686.972+/-0.156 χ^2/NDF:258908.5/18

Out: 695.024+/-0.154 χ^2/NDF:272785.0/22

All: 691.059+/-0.109 χ^2/NDF: 533045.2/41

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -1.148+/-1.134 χ^2/NDF:7.7/3

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -115.288+/-1.179 χ^2/NDF:42.0/2

Left: -56.010+/-0.817 χ^2/NDF: 4919.2/6

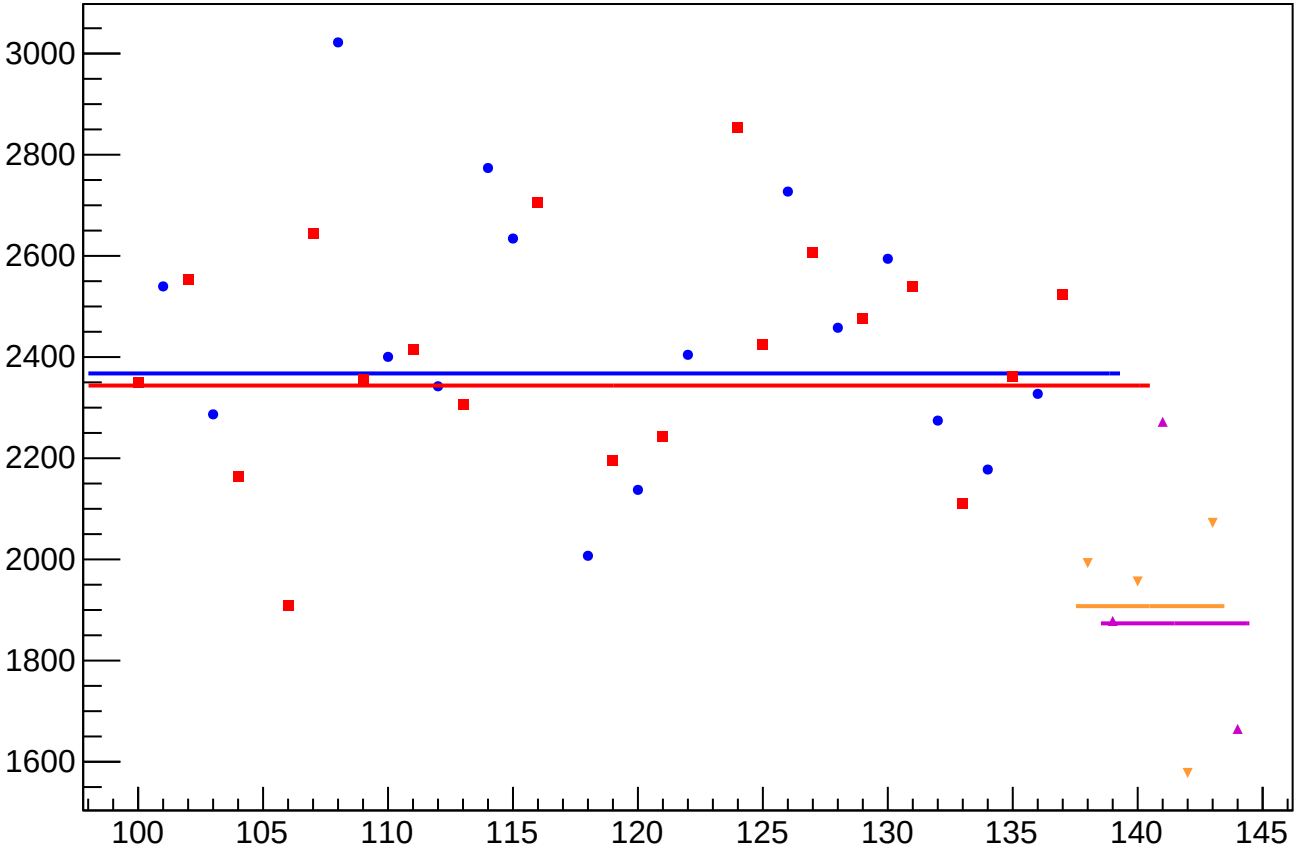
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 27.179+/-0.708 χ^2/NDF:25846.3/18

Out: -0.920+/-0.686 χ^2/NDF:4771.7/22

All: 12.681+/-0.493 χ^2/NDF: 31430.9/41

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1907.618+/-0.802 χ^2/NDF:52600.6/3

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1873.599+/-0.834 χ^2/NDF:79991.7/2

Left: 1891.266+/-0.578 χ^2/NDF: 133457.4/6

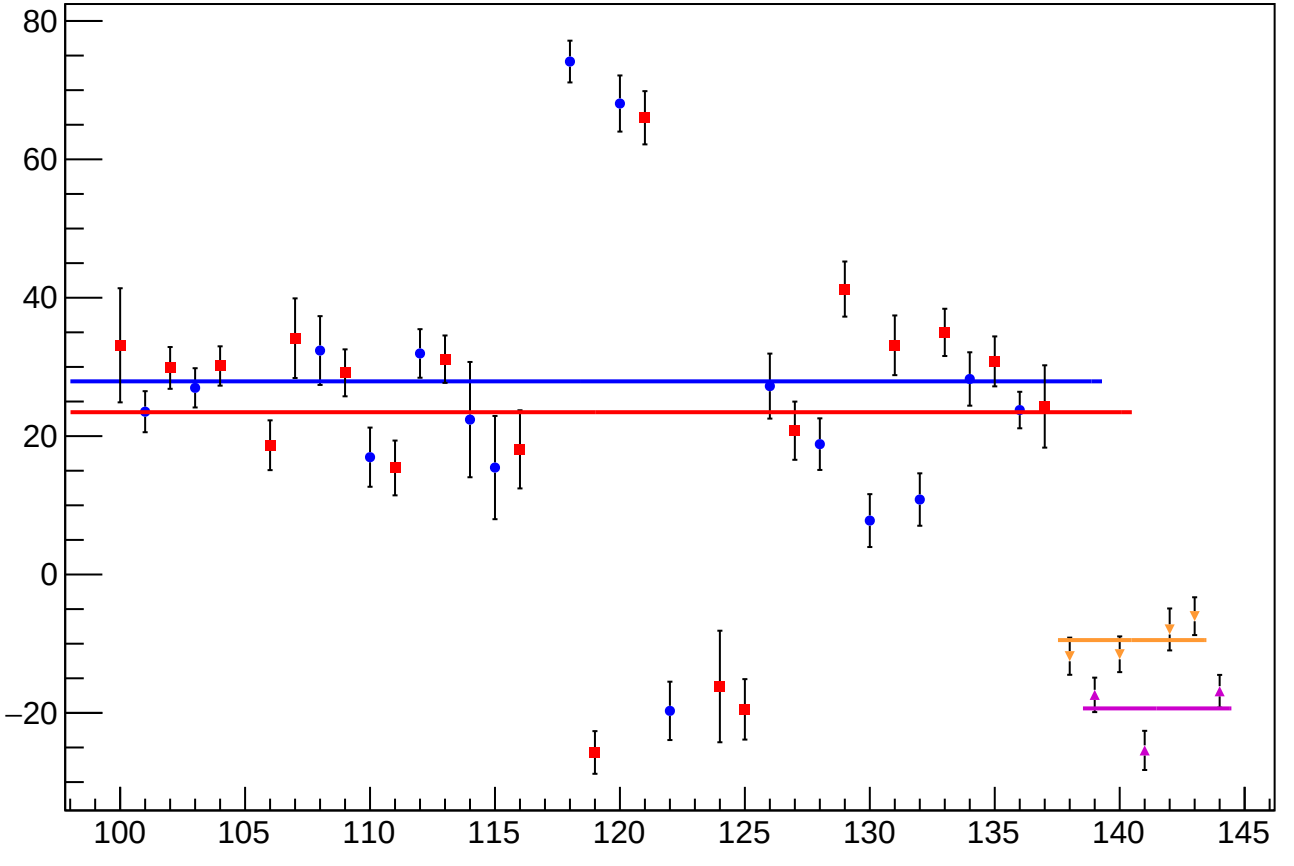
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2189.452+/-0.501 χ^2/NDF:431366.6/18

Out: 2184.281+/-0.485 χ^2/NDF:352516.7/22

All: 2186.784+/-0.348 χ^2/NDF: 783938.3/41

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.478+/-1.372 χ^2/NDF:3.2/3

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -19.352+/-1.467 χ^2/NDF:6.3/2

Left: -14.087+/-1.002 χ^2/NDF: 33.7/6

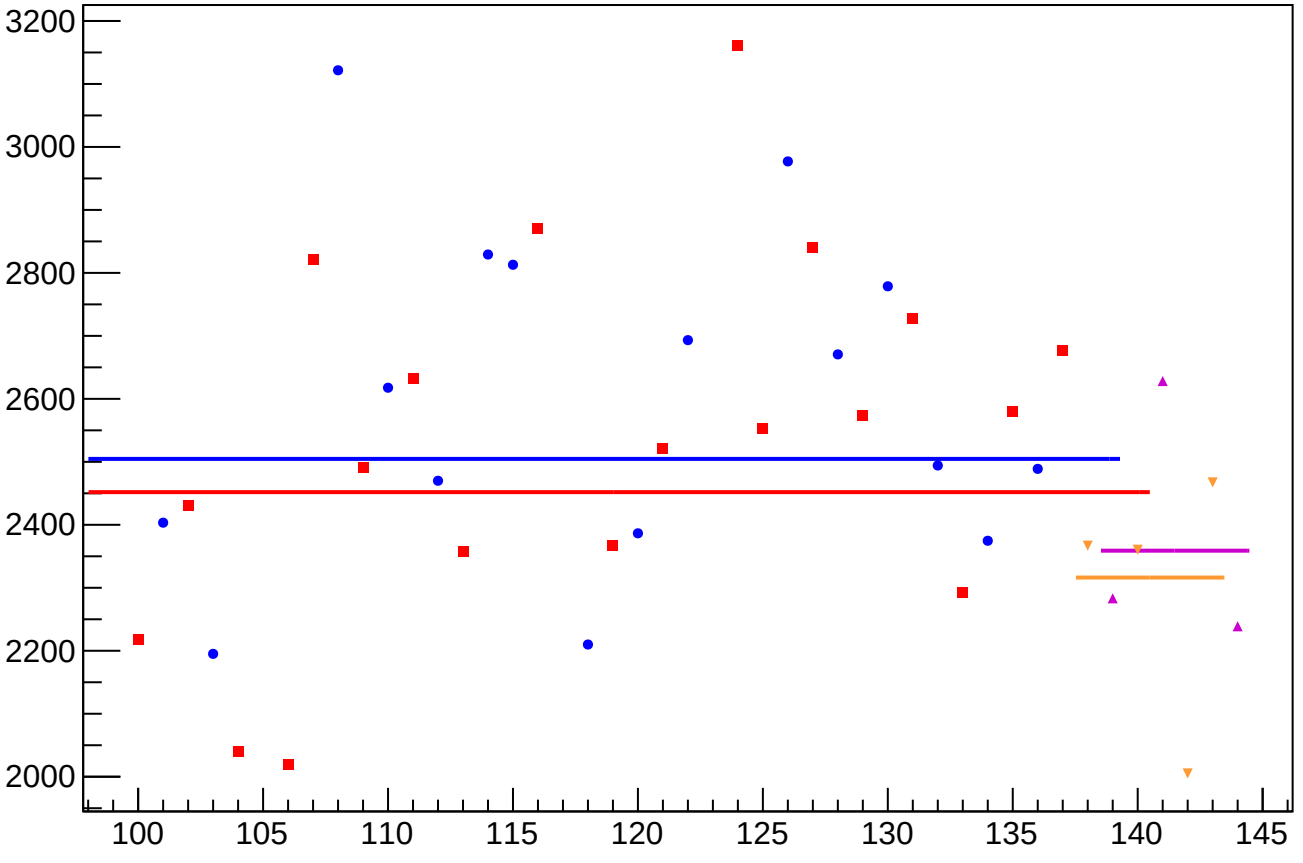
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 14.220+/-0.789 χ^2/NDF:1274.8/18

Out: 13.509+/-0.754 χ^2/NDF:973.3/22

All: 13.848+/-0.545 χ^2/NDF: 2248.4/41

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.247+/-0.970 χ^2/NDF:28465.9/3

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2358.934+/-1.037 χ^2/NDF:25126.8/2

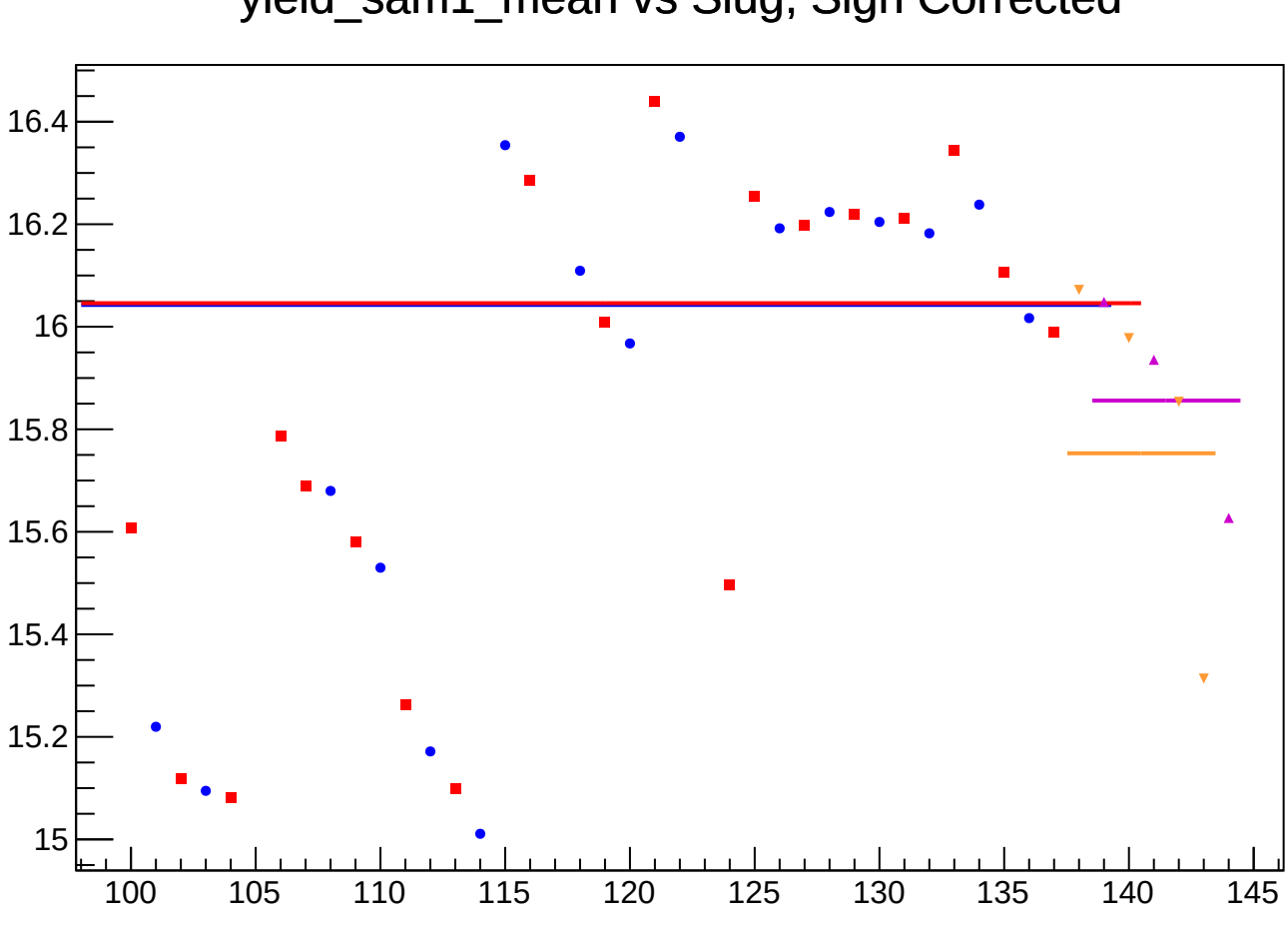
Left: 2336.171+/-0.708 χ^2/NDF: 54496.3/6

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2462.430+/-0.558 χ^2/NDF:165749.0/18

Out: 2410.913+/-0.533 χ^2/NDF:195343.1/22

All: 2435.491+/-0.386 χ^2/NDF: 365545.5/41



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.753+/-0.000 χ^2/NDF:3241783229.1/3

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.856+/-0.000 χ^2/NDF:762257461.9/2

Left: 15.799+/-0.000 χ^2/NDF: 4148353433.5/6

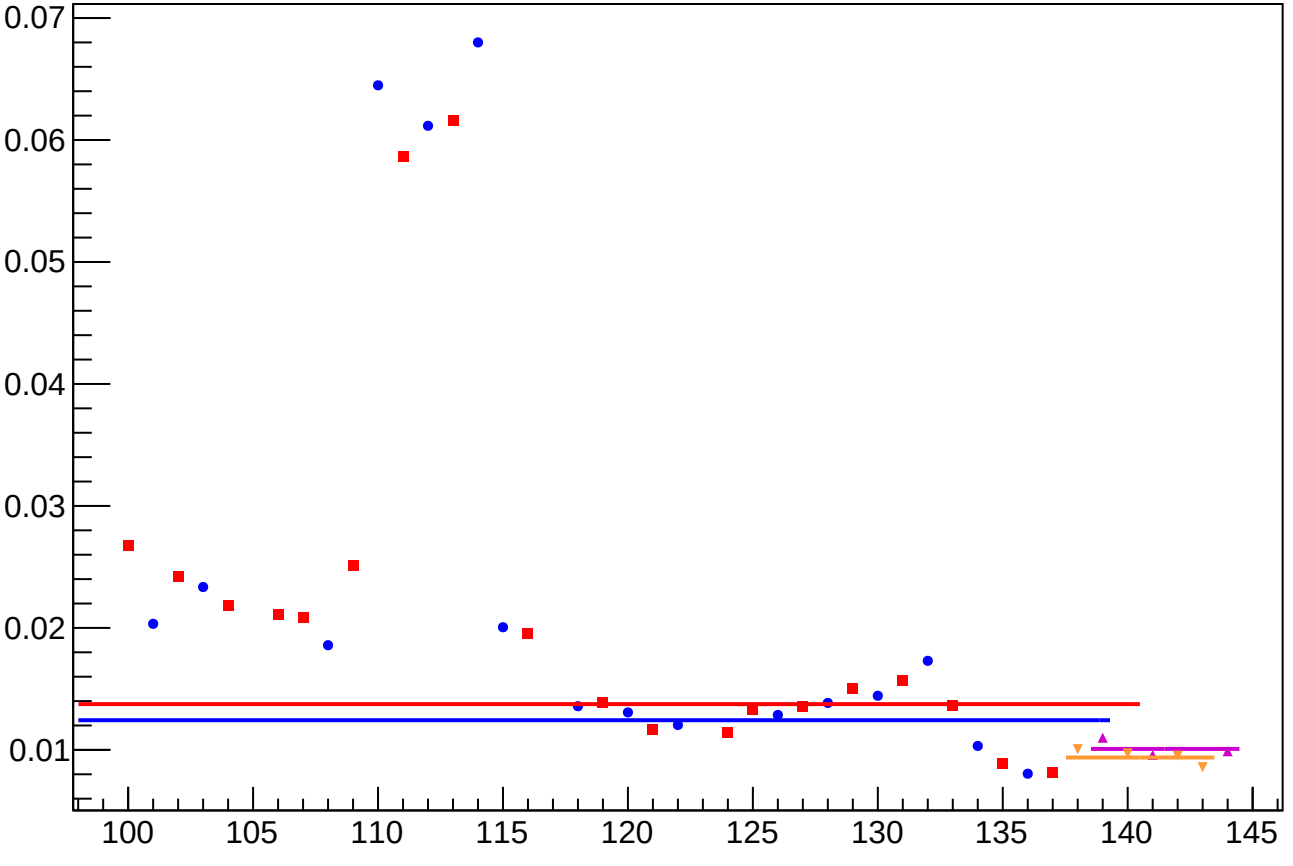
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.967+/-0.000 χ^2/NDF:4107075886.1/18

Out: 15.898+/-0.000 χ^2/NDF:8099005825.0/22

All: 15.932+/-0.000 χ^2/NDF: 12349533025.0

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:22055.7/3

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:16291.6/2

Left: 0.010+/-0.000 χ^2/NDF: 51890.0/6

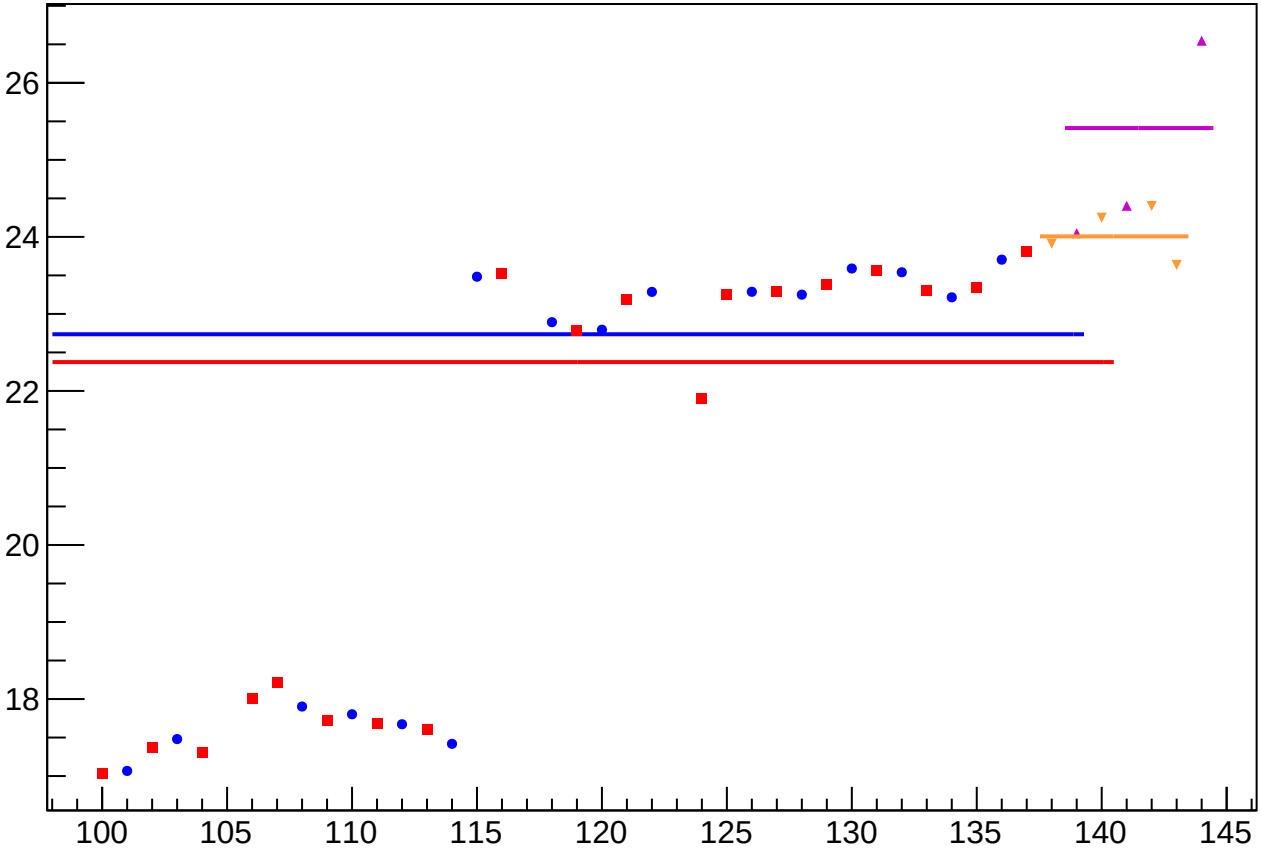
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2493617.0/18

Out: 0.012+/-0.000 χ^2/NDF:2835624.2/22

All: 0.012+/-0.000 χ^2/NDF: 5329467.3/41

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.006+/-0.000 χ^2/NDF:19679526.5/3

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.413+/-0.000 χ^2/NDF:220300037.7/2

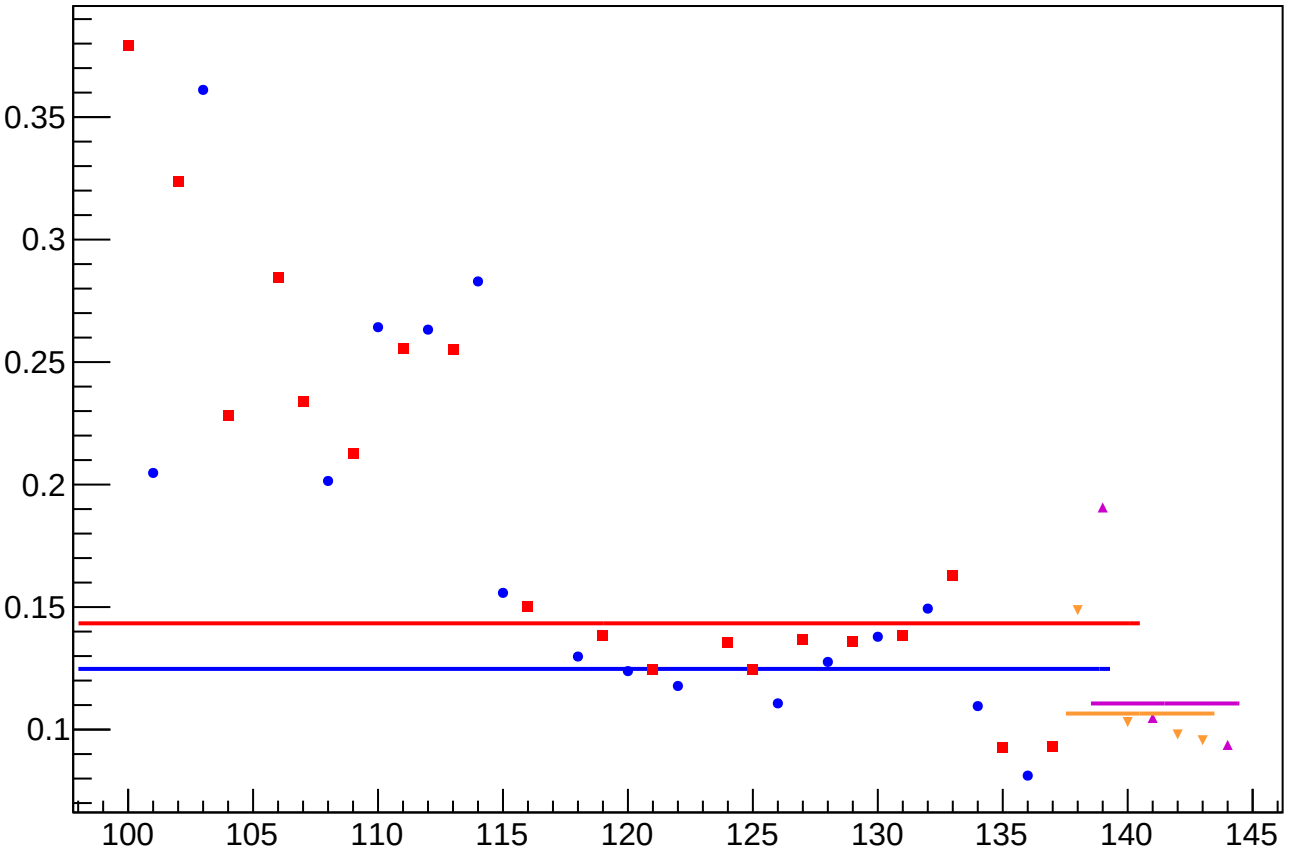
Left: 24.657+/-0.000 χ^2/NDF: 425758130.7/6

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 23.638+/-0.000 χ^2/NDF:2270885518.1/18

Out: 23.061+/-0.000 χ^2/NDF:1548324741.9/22

All: 23.360+/-0.000 χ^2/NDF: 3902477742.1/4



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.107+/-0.000 χ^2/NDF:135977.8/3

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.111+/-0.000 χ^2/NDF:348849.6/2

Left: 0.108+/-0.000 χ^2/NDF: 487999.2/6

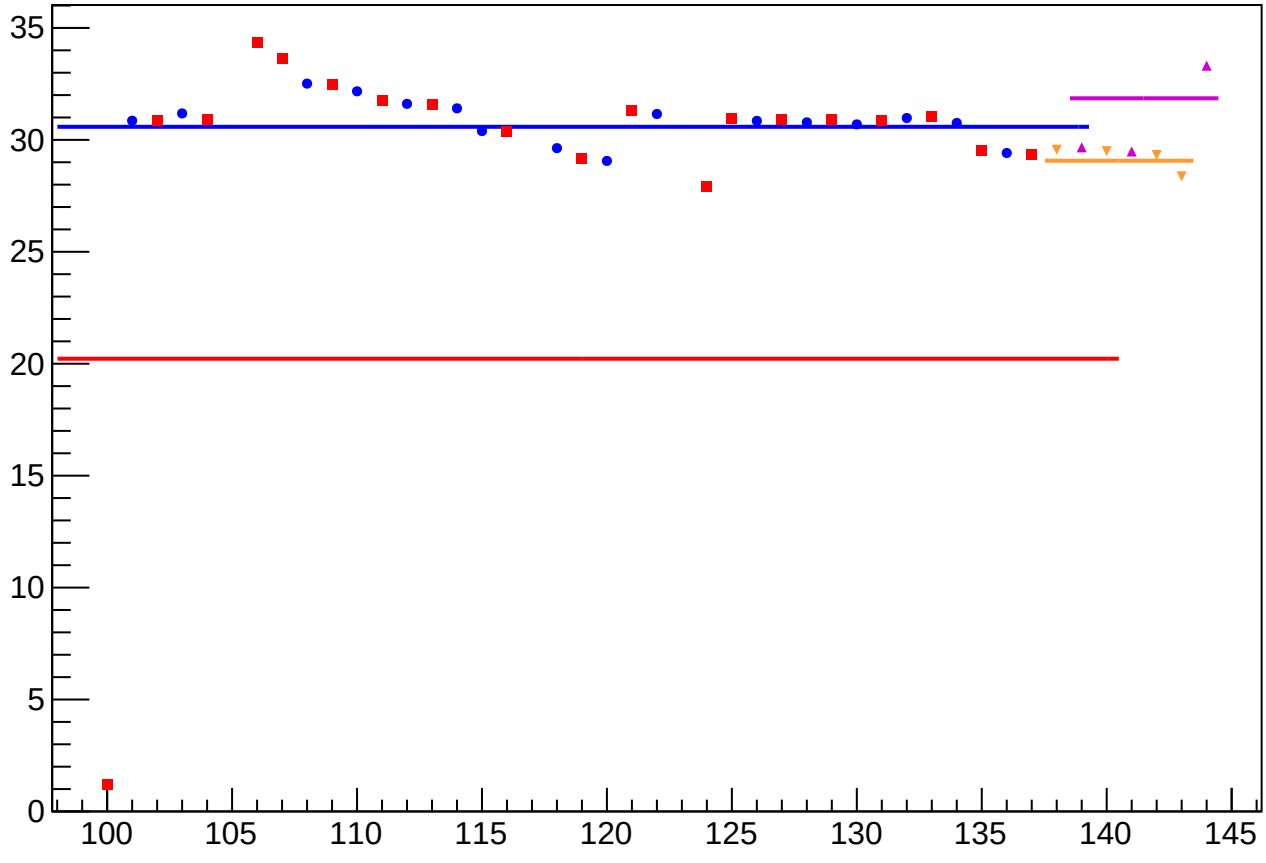
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.120+/-0.000 χ^2/NDF:2144742.7/18

Out: 0.128+/-0.000 χ^2/NDF:2024883.5/22

All: 0.124+/-0.000 χ^2/NDF: 4200594.2/41

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.069+/-0.000 χ^2/NDF:96330282.4/3

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.857+/-0.000 χ^2/NDF:1550518995.8/2

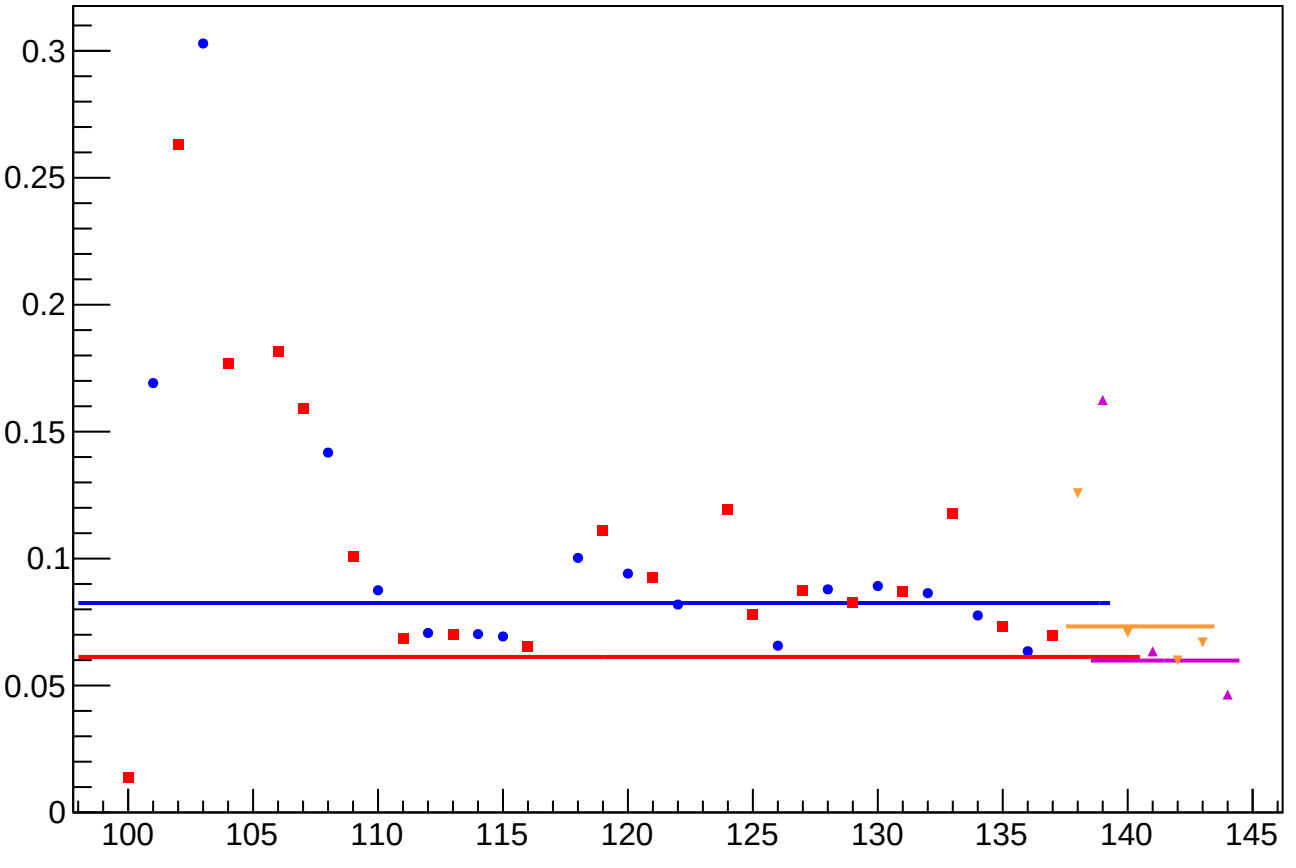
Left: 30.627+/-0.000 χ^2/NDF: 3204903856.2/6

Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.055+/-0.000 χ^2/NDF:2666463495.9/18

Out: 22.415+/-0.000 χ^2/NDF:242450112505.7/22

All: 26.383+/-0.000 χ^2/NDF: 294699400765.



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.073+/-0.000 χ^2/NDF:266995.7/3

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.060+/-0.000 χ^2/NDF:766329.2/2

Left: 0.066+/-0.000 χ^2/NDF: 1105771.1/6

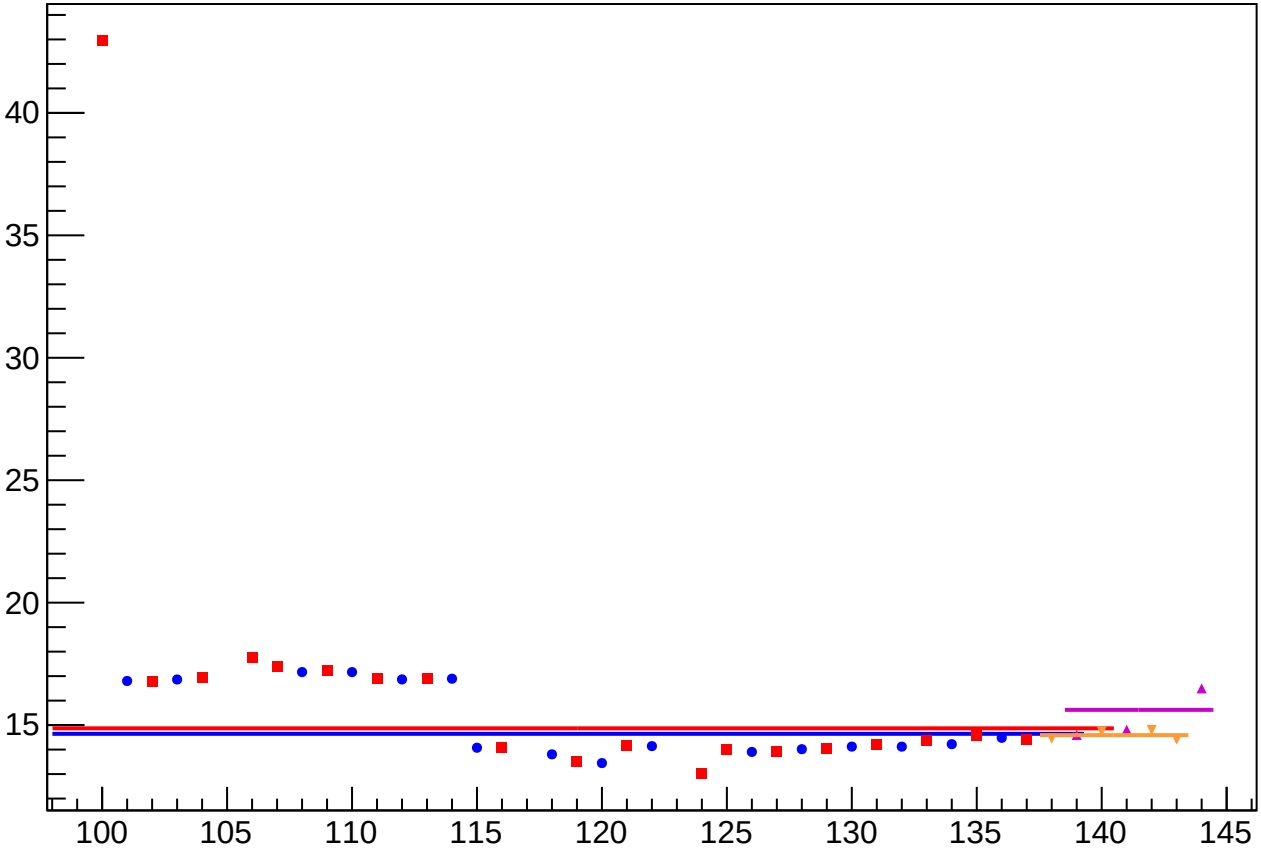
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.074+/-0.000 χ^2/NDF:2321841.0/18

Out: 0.064+/-0.000 χ^2/NDF:4359187.2/22

All: 0.069+/-0.000 χ^2/NDF: 6810542.6/41

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.590+/-0.000 χ^2/NDF:12800836.5/3

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.622+/-0.000 χ^2/NDF:321793108.6/2

Left: 15.109+/-0.000 χ^2/NDF: 557674005.6/6

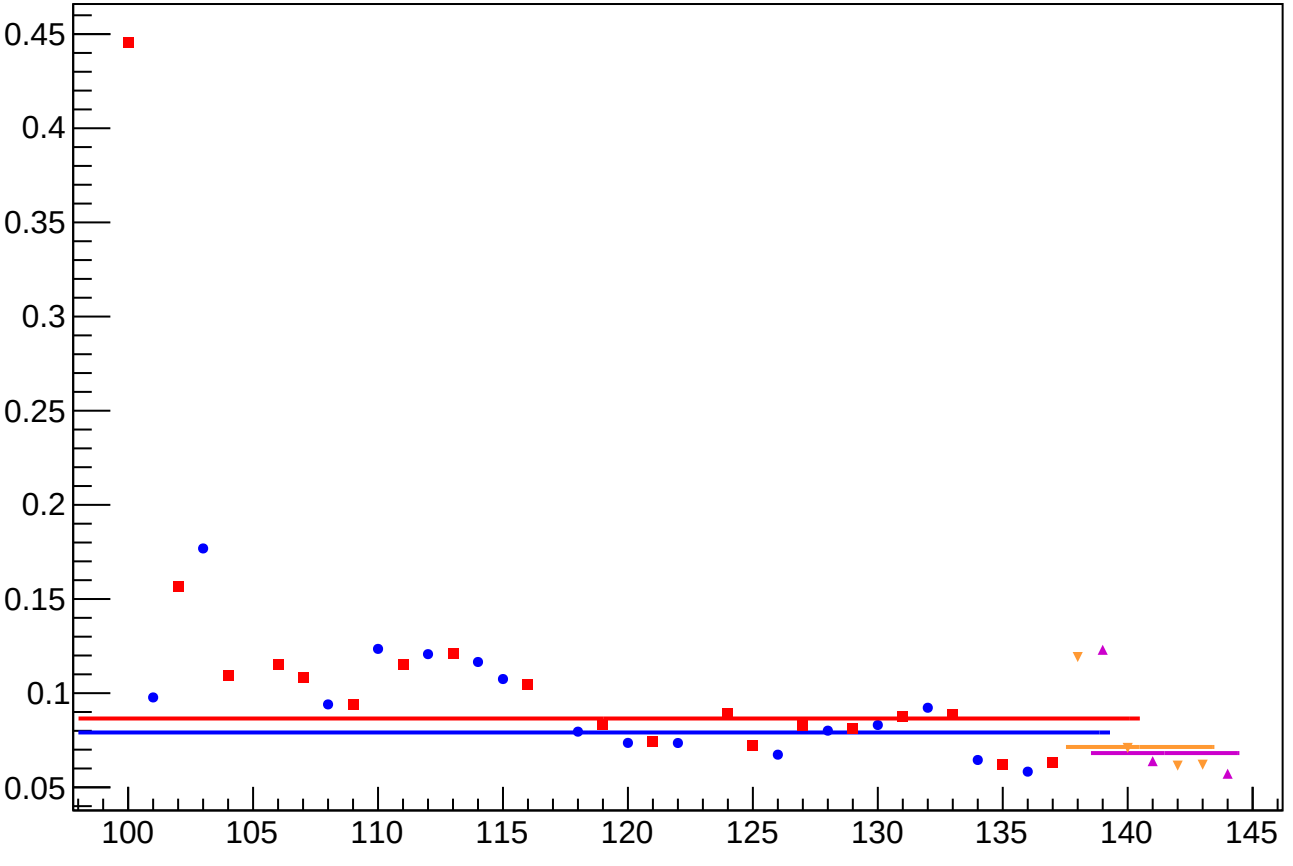
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 14.947+/-0.000 χ^2/NDF:1793830928.3/18

Out: 14.775+/-0.000 χ^2/NDF:1764184058.2/22

All: 14.865+/-0.000 χ^2/NDF: 3577344588.8/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.071+/-0.000 χ^2/NDF:274413.3/3

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.068+/-0.000 χ^2/NDF:381587.6/2

Left: 0.070+/-0.000 χ^2/NDF: 660404.1/6

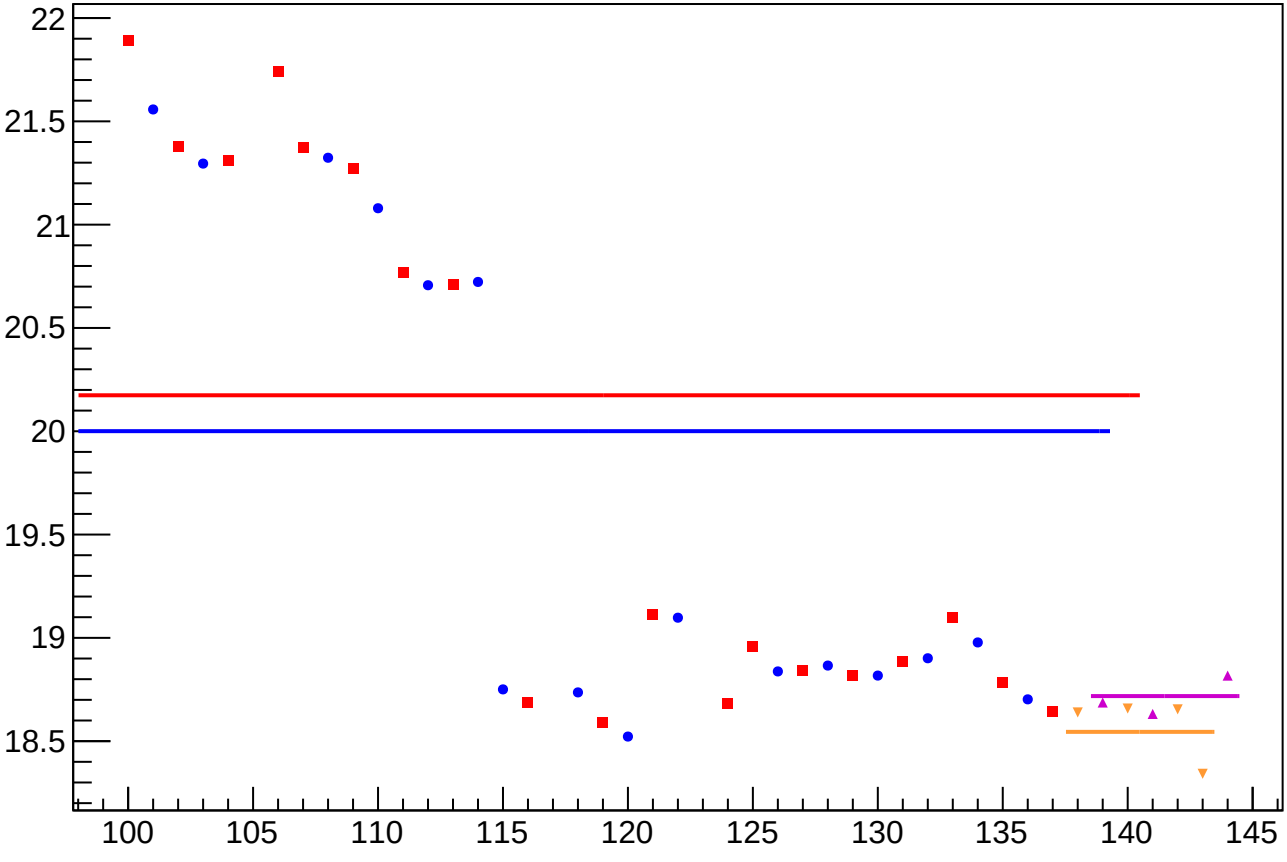
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.076+/-0.000 χ^2/NDF:1369389.6/18

Out: 0.081+/-0.000 χ^2/NDF:1193969.7/22

All: 0.078+/-0.000 χ^2/NDF: 2605766.6/41

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.545+/-0.000 χ^2/NDF:53418196.3/3

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.718+/-0.000 χ^2/NDF:15923622.6/2

Left: 18.629+/-0.000 χ^2/NDF: 105441198.7/6

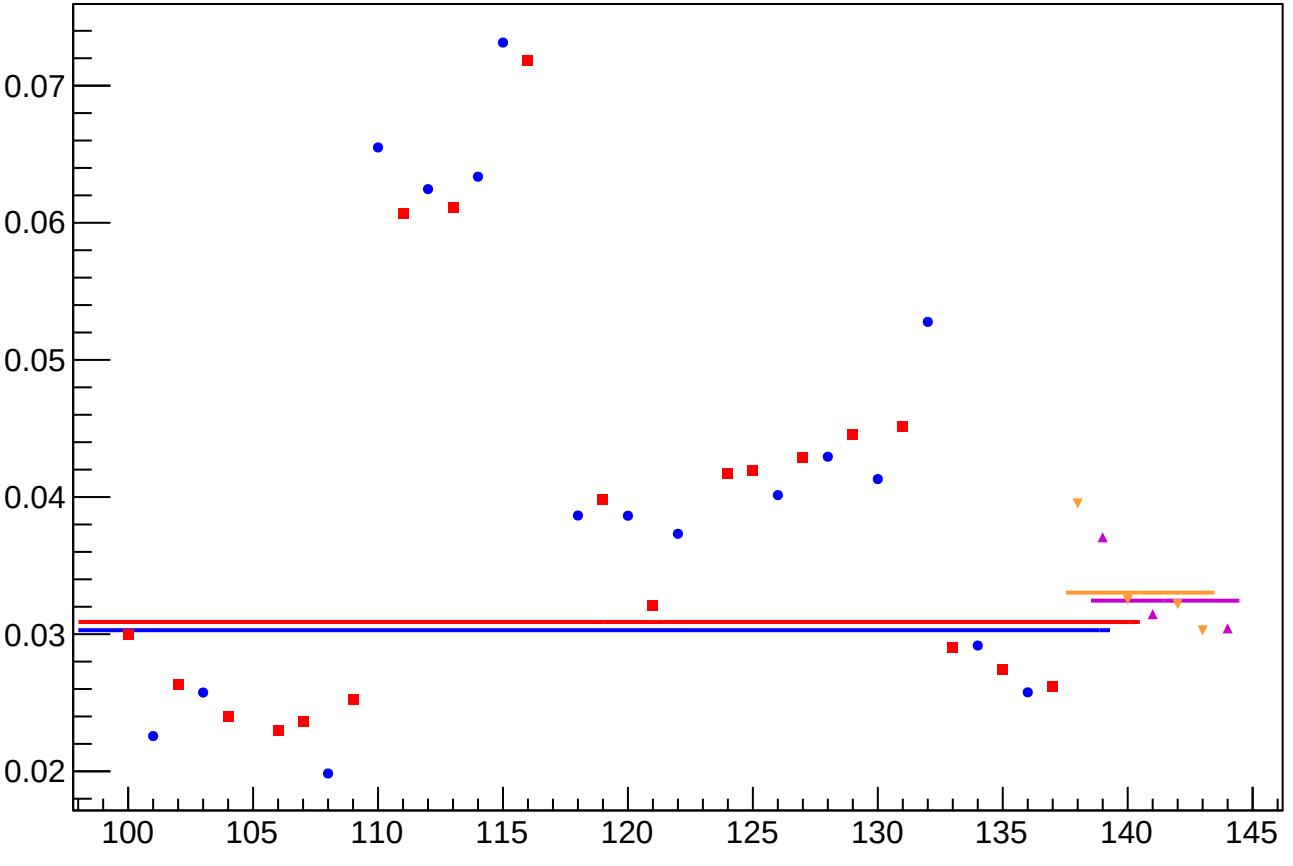
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.660+/-0.000 χ^2/NDF:13732377654.2/18

Out: 19.727+/-0.000 χ^2/NDF:15232805844.6/22

All: 19.694+/-0.000 χ^2/NDF: 28984964631.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:53816.0/3

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:34046.1/2

Left: 0.033+/-0.000 χ^2/NDF: 88693.9/6

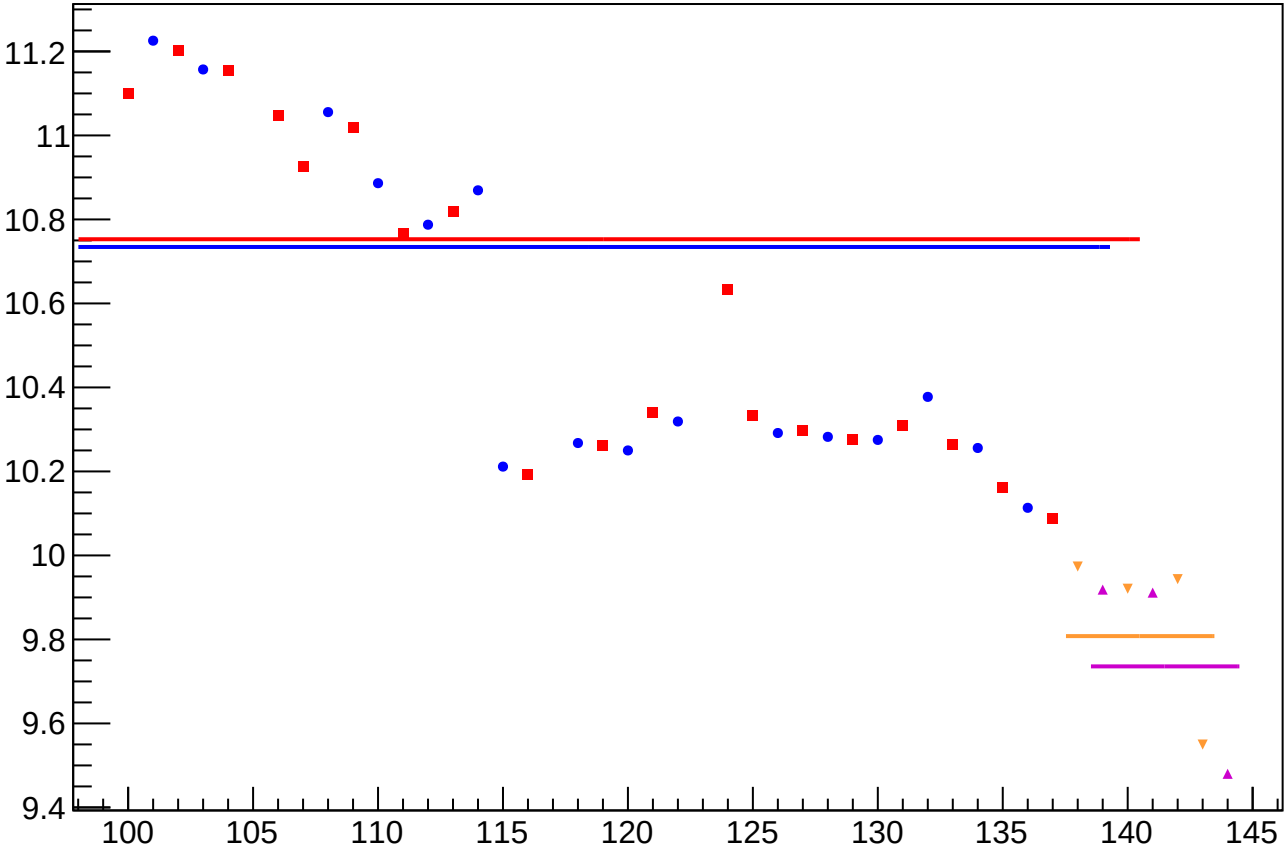
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1497425.6/18

Out: 0.031+/-0.000 χ^2/NDF:1275022.1/22

All: 0.031+/-0.000 χ^2/NDF: 2775807.6/41

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.808+/-0.000 χ^2/NDF:269850631.0/3

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.736+/-0.000 χ^2/NDF:276919218.1/2

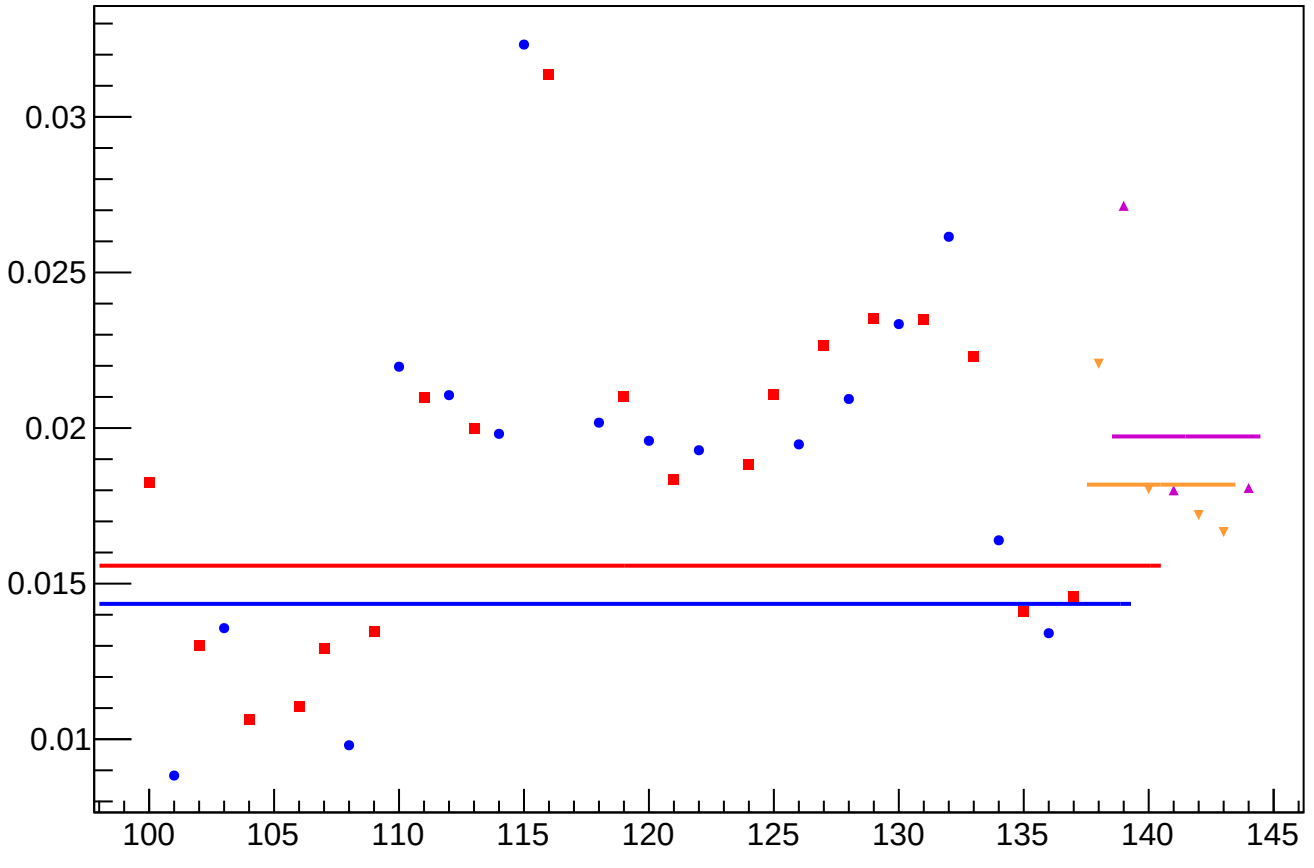
Left: 9.776+/-0.000 χ^2/NDF: 564452834.4/6

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.554+/-0.000 χ^2/NDF:11129098891.7/18

Out: 10.533+/-0.000 χ^2/NDF:9905132847.0/22

All: 10.544+/-0.000 χ^2/NDF: 21041425983.3



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:59161.3/3

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:152684.2/2

Left: 0.019+/-0.000 χ^2/NDF: 228166.4/6

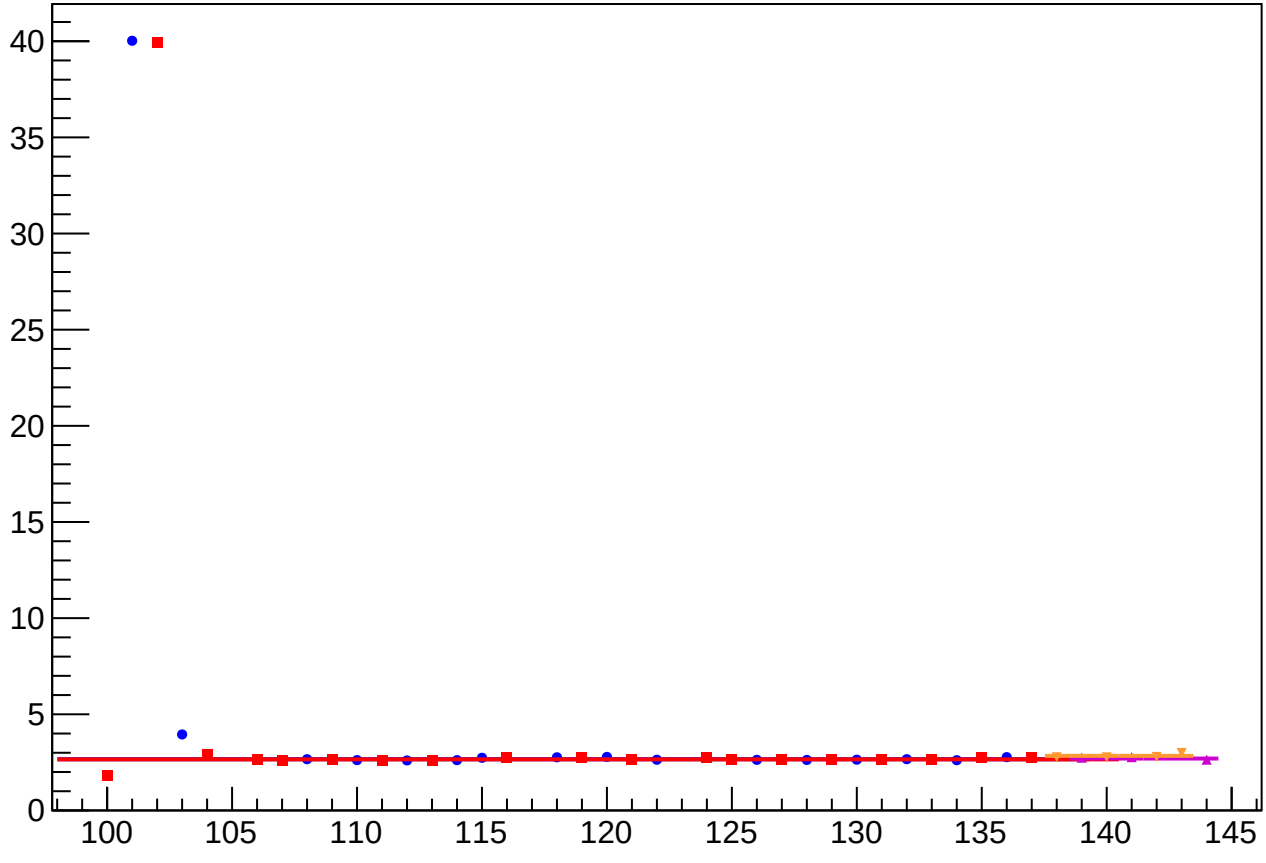
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.015+/-0.000 χ^2/NDF:1923200.1/18

Out: 0.016+/-0.000 χ^2/NDF:1211537.1/22

All: 0.016+/-0.000 χ^2/NDF: 3159522.4/41

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.839+/-0.000 χ^2/NDF:3427097878.1/3

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.699+/-0.000 χ^2/NDF:1772920515.2/2

Left: 2.758+/-0.000 χ^2/NDF: 8912814968.1/6

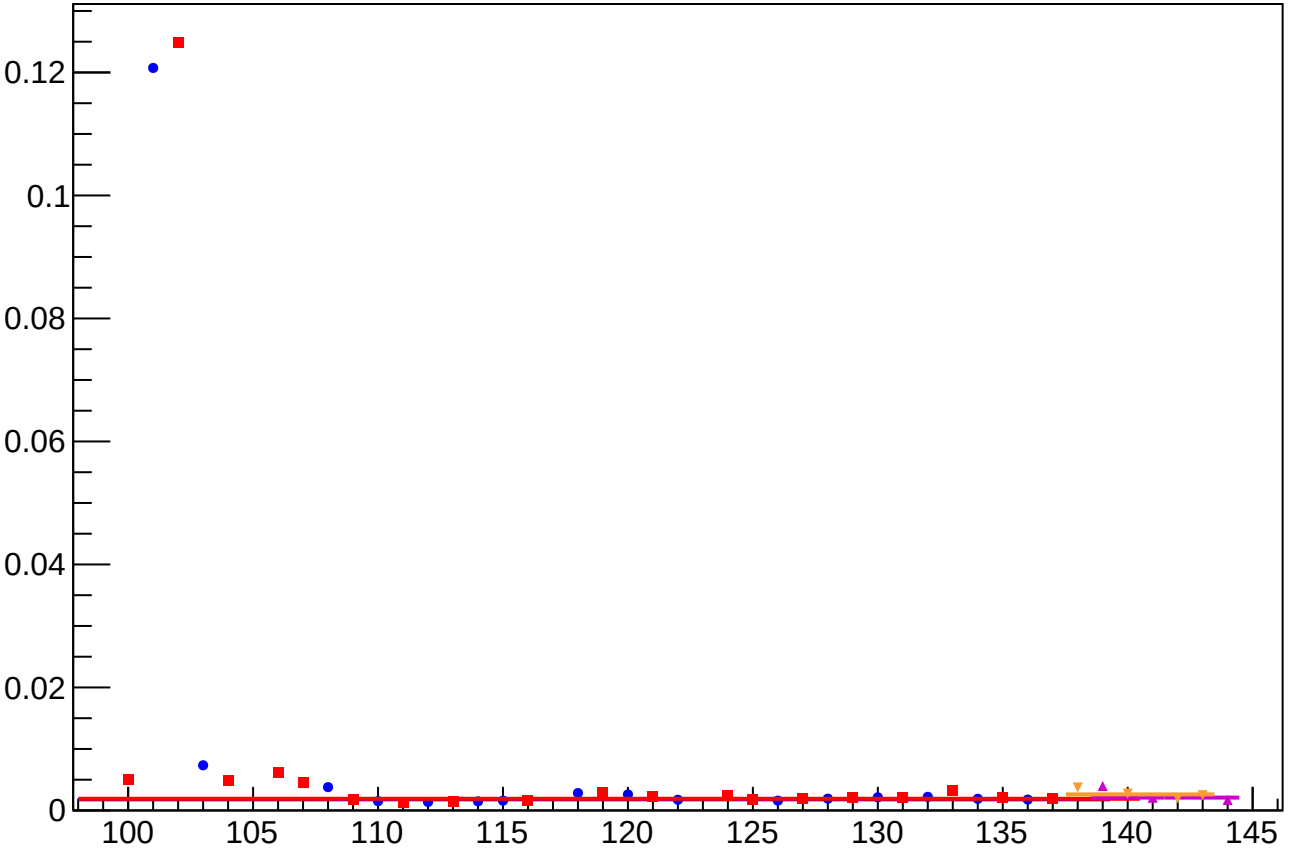
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.672+/-0.000 χ^2/NDF:70035235253.9/18

Out: 2.691+/-0.000 χ^2/NDF:77329856033.3/22

All: 2.681+/-0.000 χ^2/NDF: 147688075547.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:200161.0/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:432704.5/2

Left: 0.002+/-0.000 χ^2/NDF: 736348.0/6

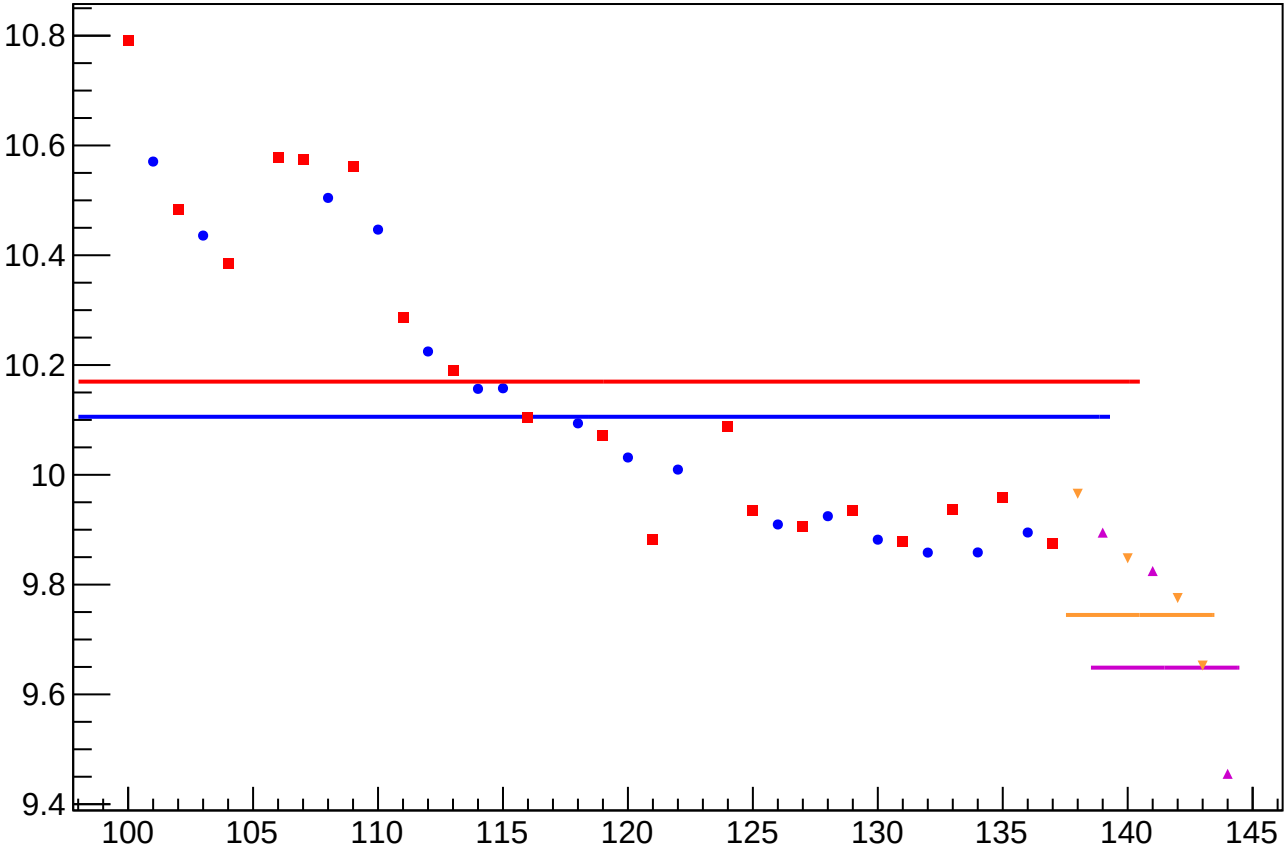
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2307551.0/18

Out: 0.002+/-0.000 χ^2/NDF:2996685.1/22

All: 0.002+/-0.000 χ^2/NDF: 5347384.5/41

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.745+/-0.000 χ^2/NDF:529801949.6/3

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.649+/-0.000 χ^2/NDF:1859613399.9/2

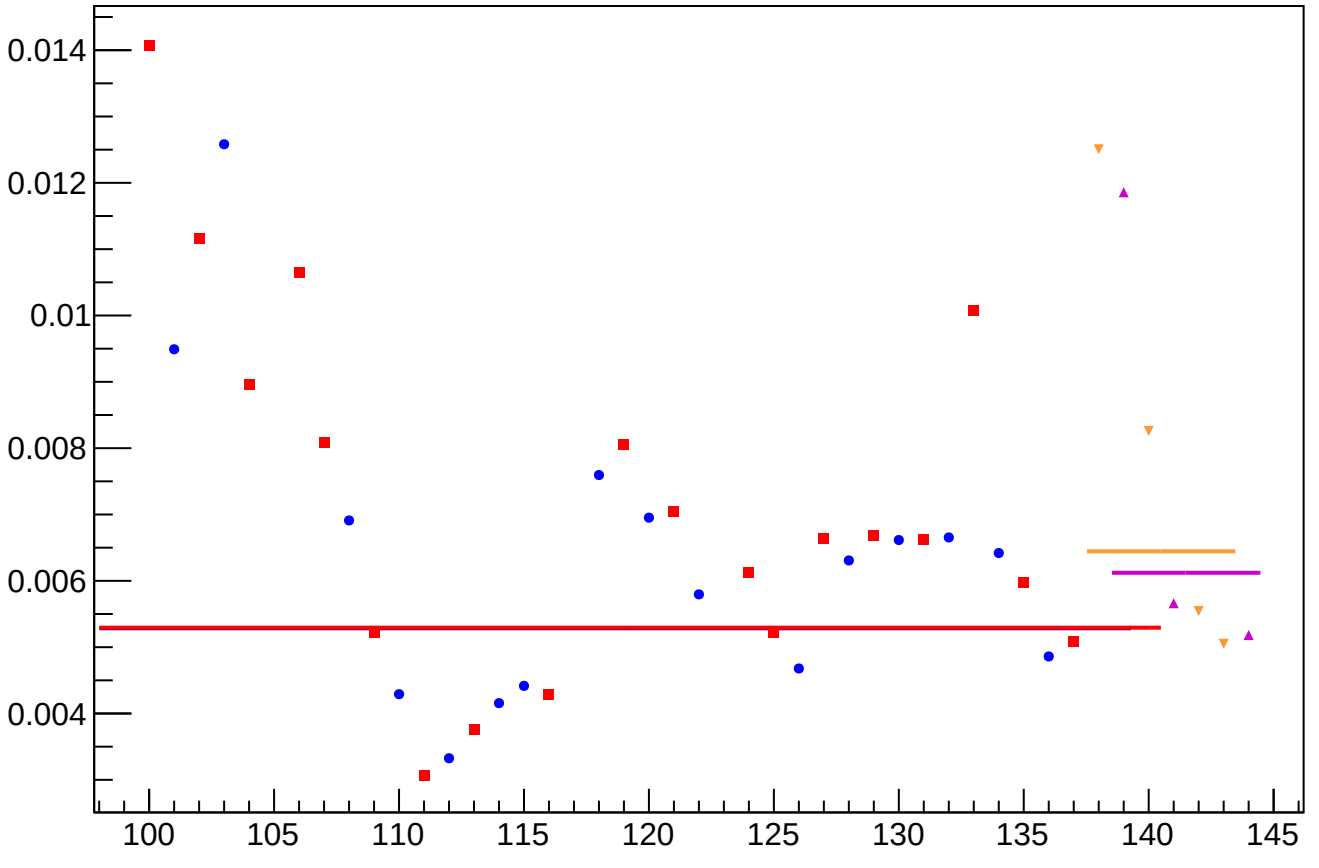
Left: 9.696+/-0.000 χ^2/NDF: 2614923507.2/6

Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 10.012+/-0.000 χ^2/NDF:19229790901.3/18

Out: 10.086+/-0.000 χ^2/NDF:16673414457.3/22

All: 10.049+/-0.000 χ^2/NDF: 36563491328.4



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:498118.4/3

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:419075.3/2

Left: 0.006+/-0.000 χ^2/NDF: 922330.5/6

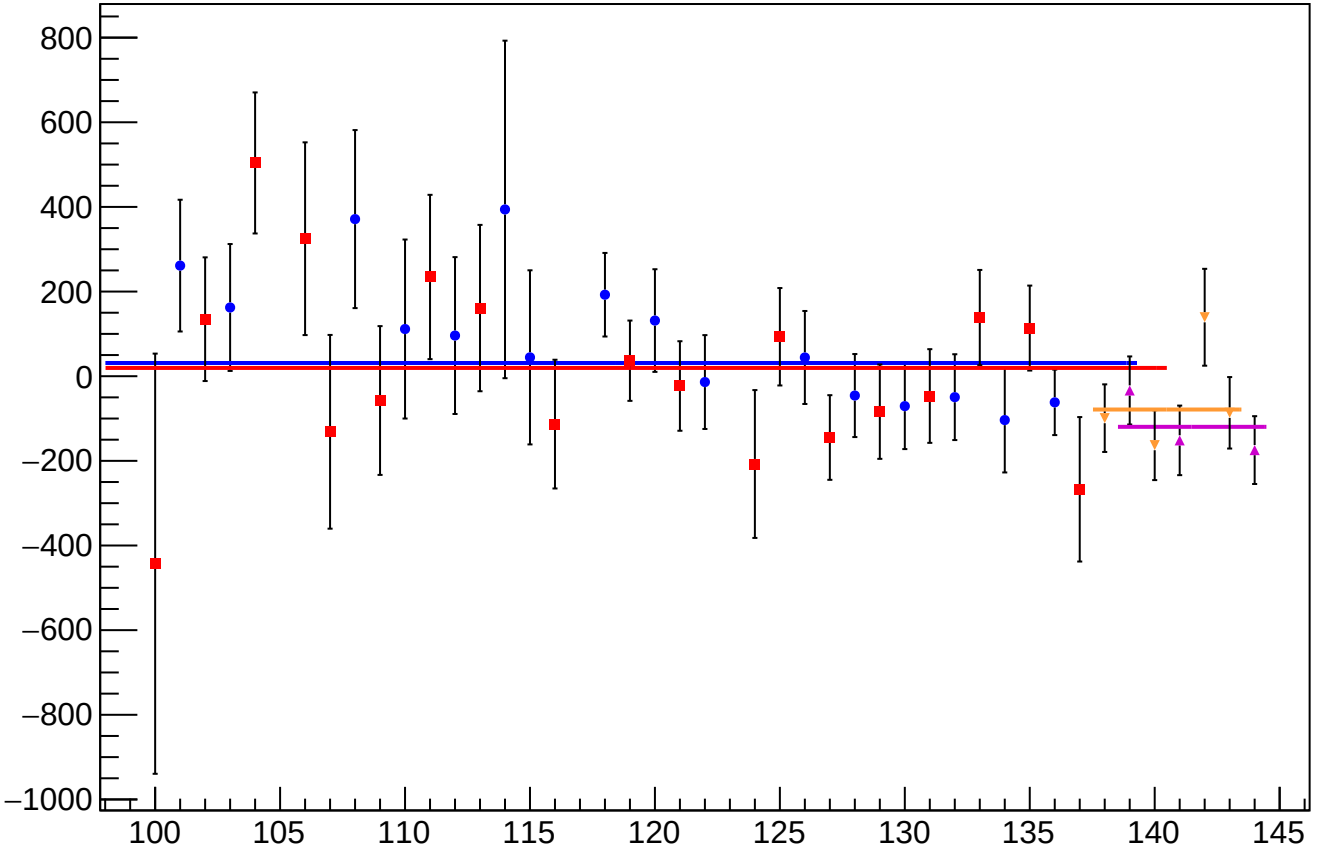
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.005+/-0.000 χ^2/NDF:1748510.0/18

Out: 0.006+/-0.000 χ^2/NDF:2393226.6/22

All: 0.005+/-0.000 χ^2/NDF: 4142786.4/41

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.700+/-43.848 χ^2/NDF:4.7/3

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -119.616+/-46.702 χ^2/NDF:1.8/2

Left: -97.869+/-31.967 χ^2/NDF: 6.9/6

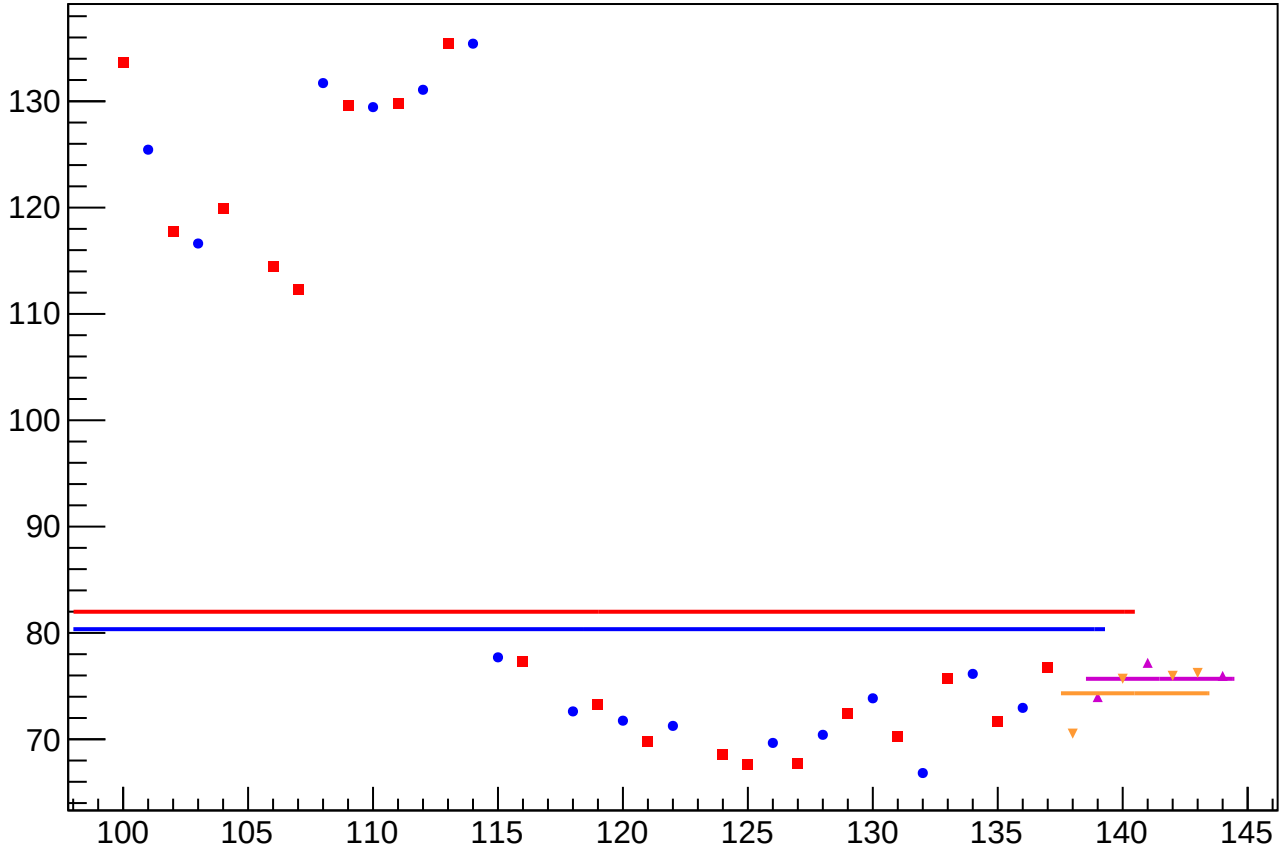
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -14.450+/-25.704 χ^2/NDF:24.1/18

Out: -13.259+/-25.345 χ^2/NDF:34.0/22

All: -13.846+/-18.047 χ^2/NDF: 58.1/41

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

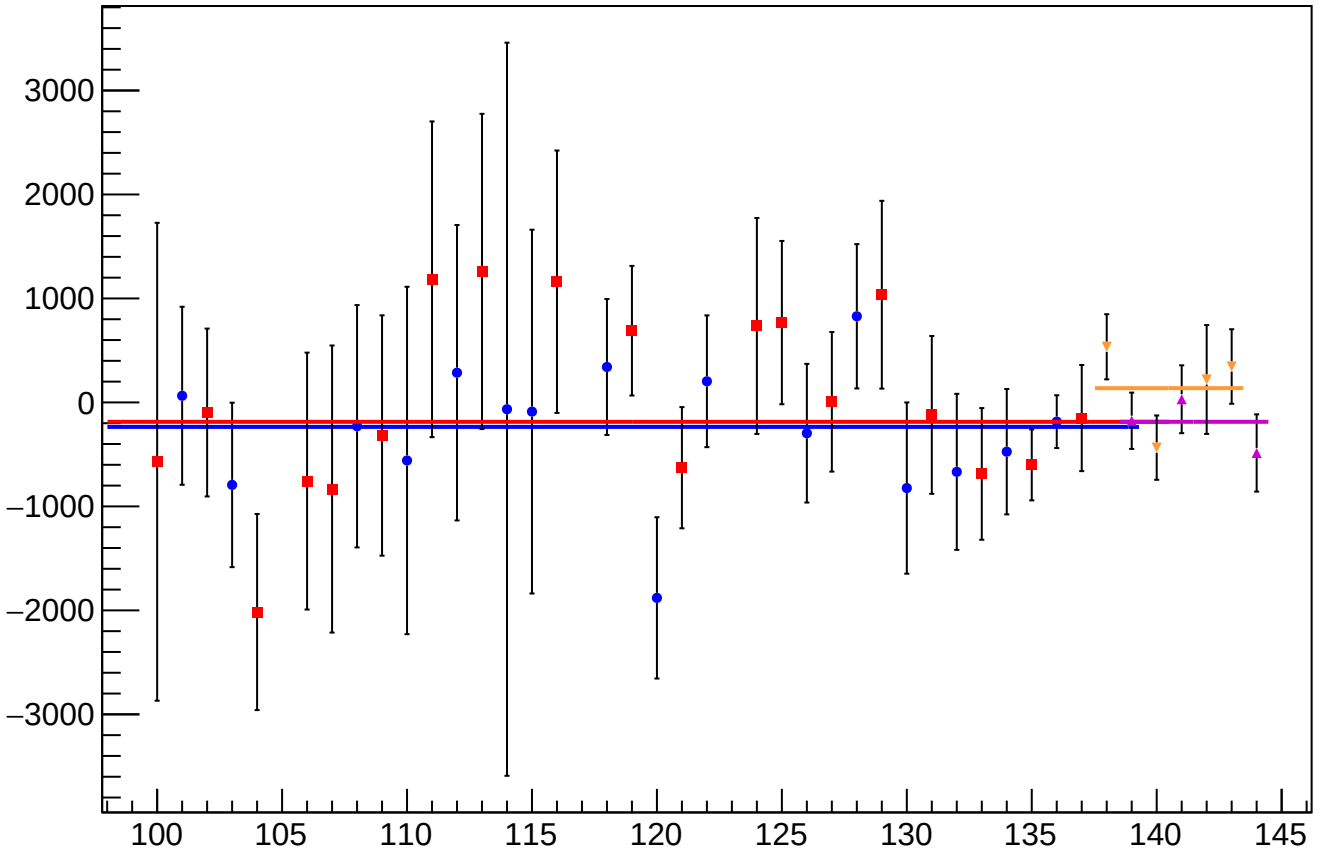
Left: 74.962+/-0.023 χ^2/NDF: 9011.0/6

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 78.940+/-0.018 χ^2/NDF:855572.0/18

Out: 79.431+/-0.018 χ^2/NDF:979585.4/22

All: 79.189+/-0.013 χ^2/NDF: 1835526.9/41



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.359+/-176.595 χ^2/NDF:5.4/3

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -186.310+/-181.757 χ^2/NDF:1.1/2

Left: -19.814+/-126.657 χ^2/NDF: 8.1/6

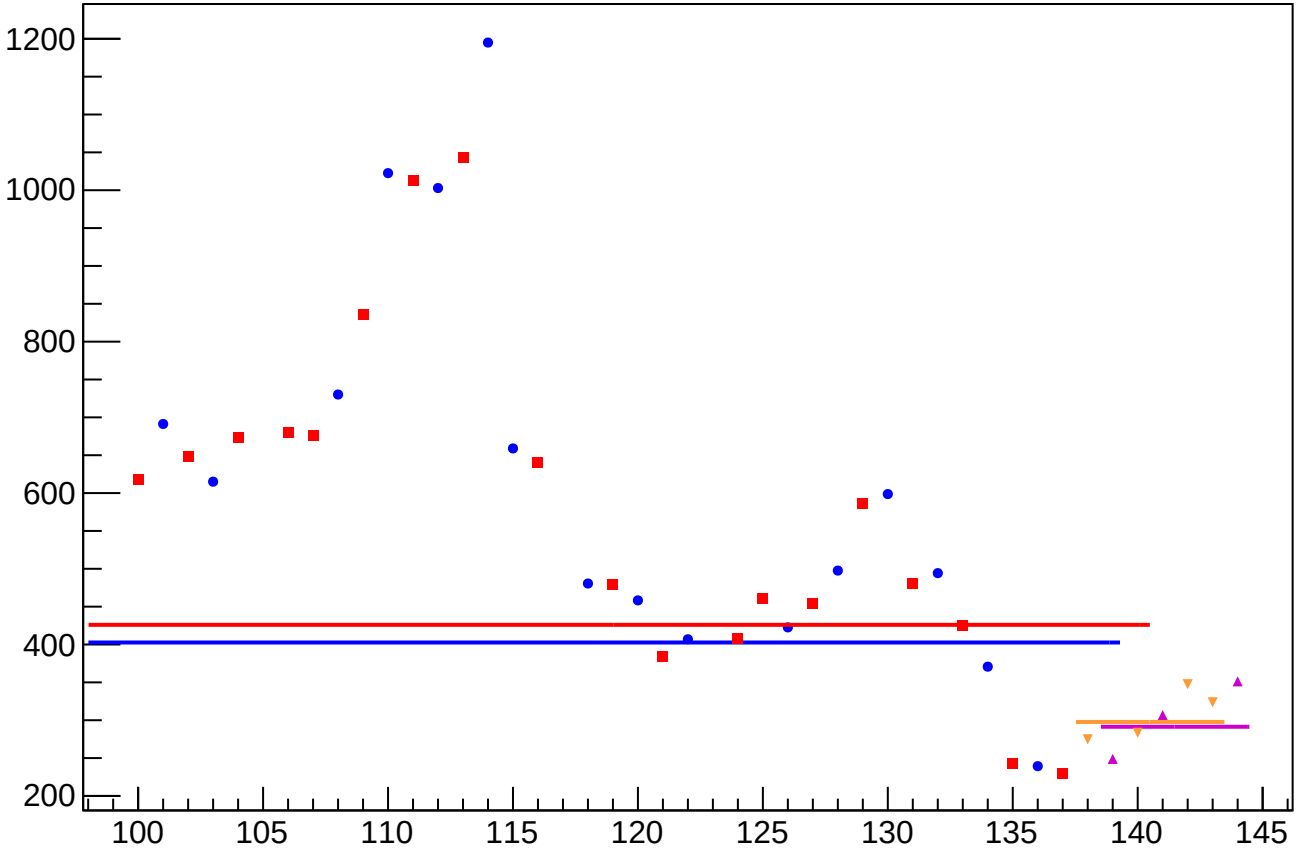
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -213.471+/-121.664 χ^2/NDF:11.1/18

Out: -30.417+/-122.620 χ^2/NDF:23.1/22

All: -122.660+/-86.366 χ^2/NDF: 35.3/41

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 297.731+/-0.125 χ^2/NDF:43557.2/3

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 291.367+/-0.129 χ^2/NDF:105730.7/2

Left: 294.640+/-0.090 χ^2/NDF: 150549.3/6

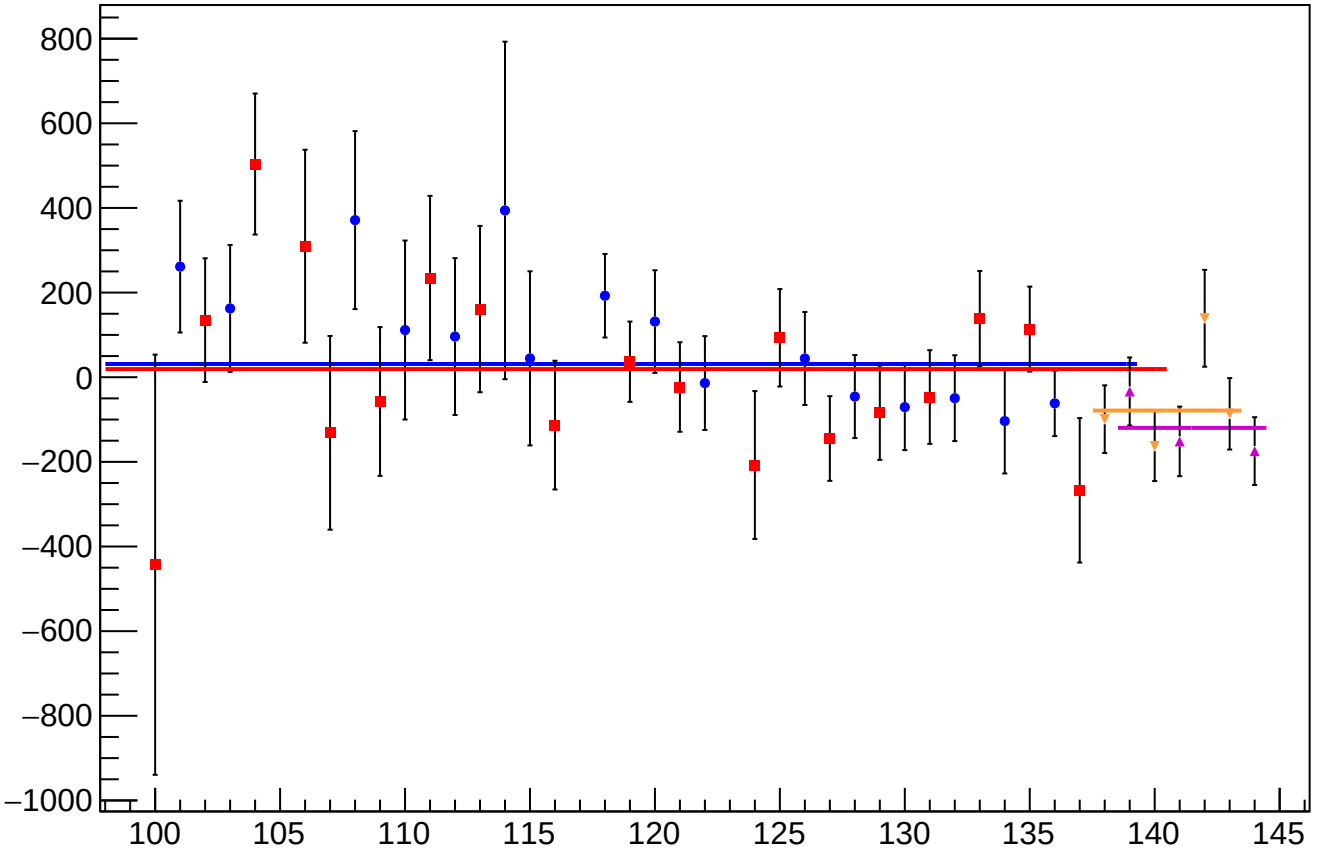
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 352.792+/-0.086 χ^2/NDF:2879682.6/18

Out: 364.146+/-0.087 χ^2/NDF:2958607.7/22

All: 358.425+/-0.061 χ^2/NDF: 5846932.1/41

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -119.613+/-46.702 χ^2/NDF:1.8/2

Left: -97.867+/-31.967 χ^2/NDF: 6.9/6

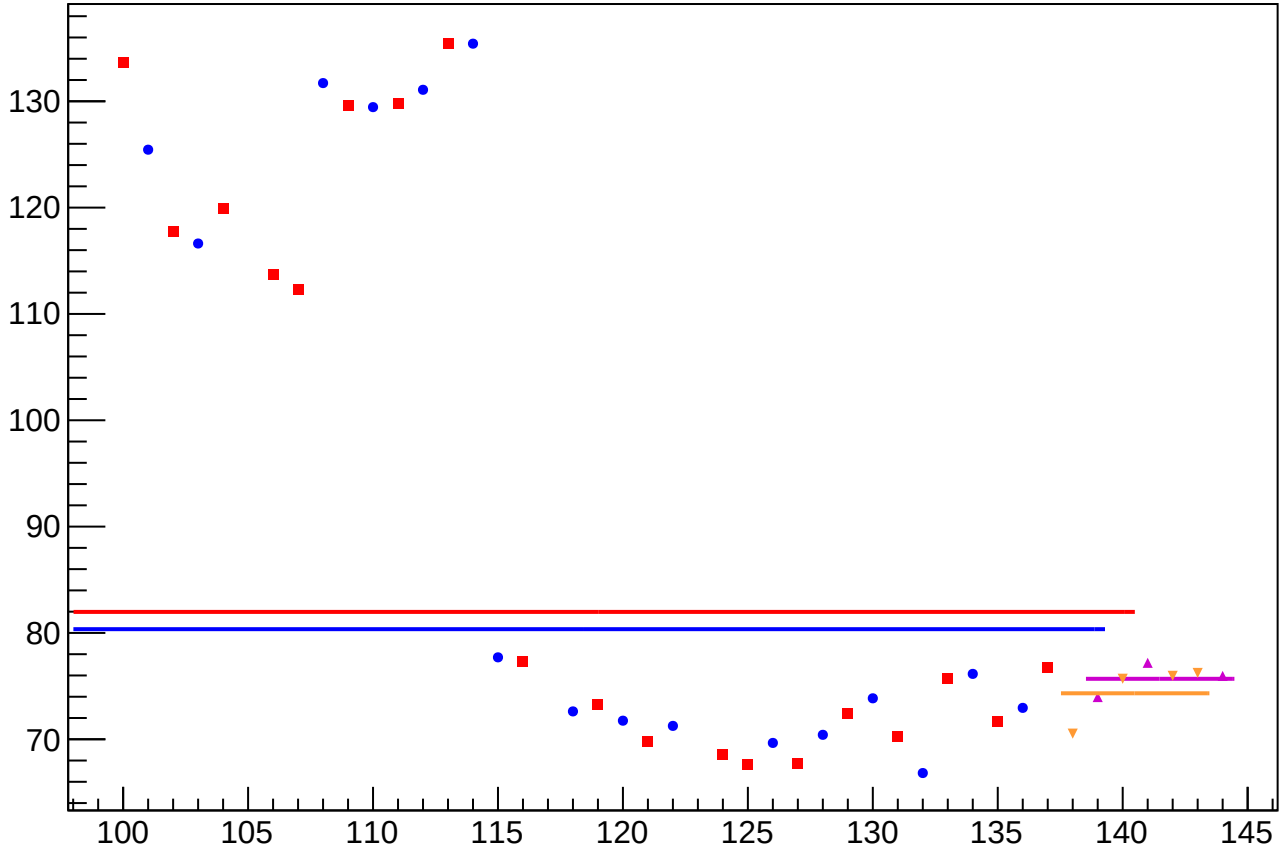
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -14.442+/-25.704 χ^2/NDF:24.1/18

Out: -13.454+/-25.345 χ^2/NDF:33.8/22

All: -13.941+/-18.047 χ^2/NDF: 57.9/41

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

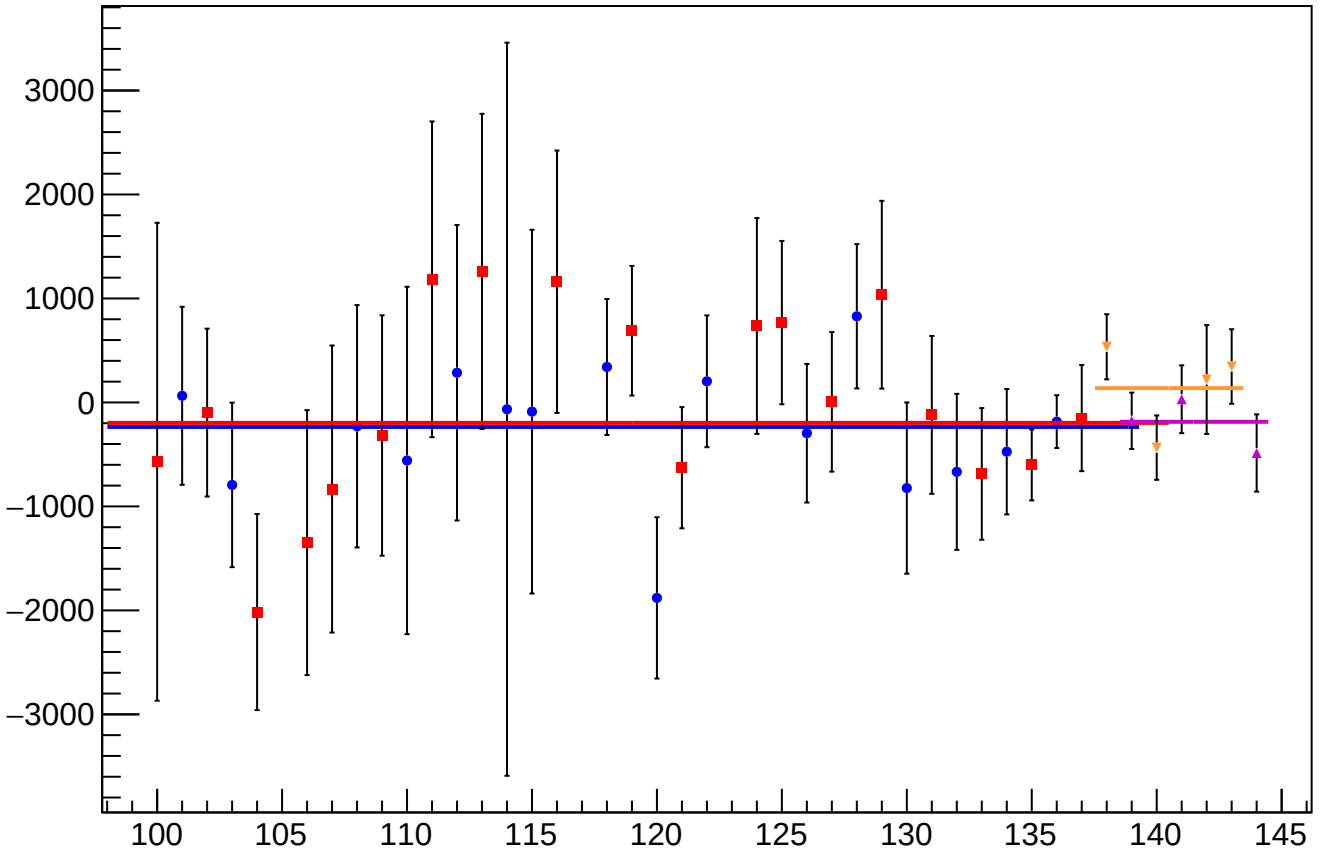
Left: 74.962+/-0.023 χ^2/NDF: 9011.0/6

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.940+/-0.018 χ^2/NDF:855572.2/18

Out: 79.420+/-0.018 χ^2/NDF:977553.7/22

All: 79.184+/-0.013 χ^2/NDF: 1833480.4/41



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -186.309+/-181.757 χ^2/NDF:1.1/2

Left: -19.813+/-126.657 χ^2/NDF: 8.1/6

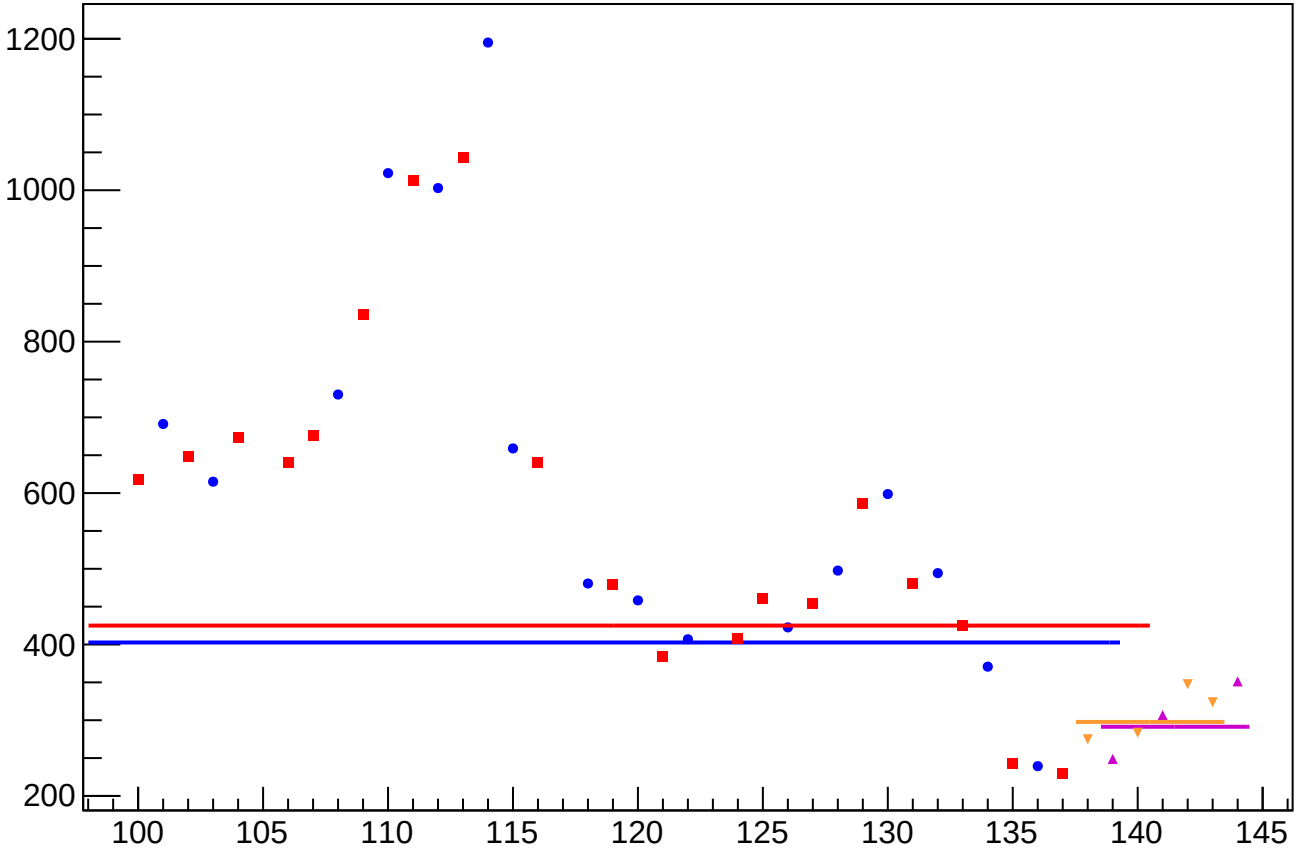
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -213.470+/-121.664 χ^2/NDF:11.1/18

Out: -35.480+/-122.657 χ^2/NDF:23.8/22

All: -125.198+/-86.378 χ^2/NDF: 36.0/41

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 291.366+/-0.129 χ^2/NDF:105730.6/2

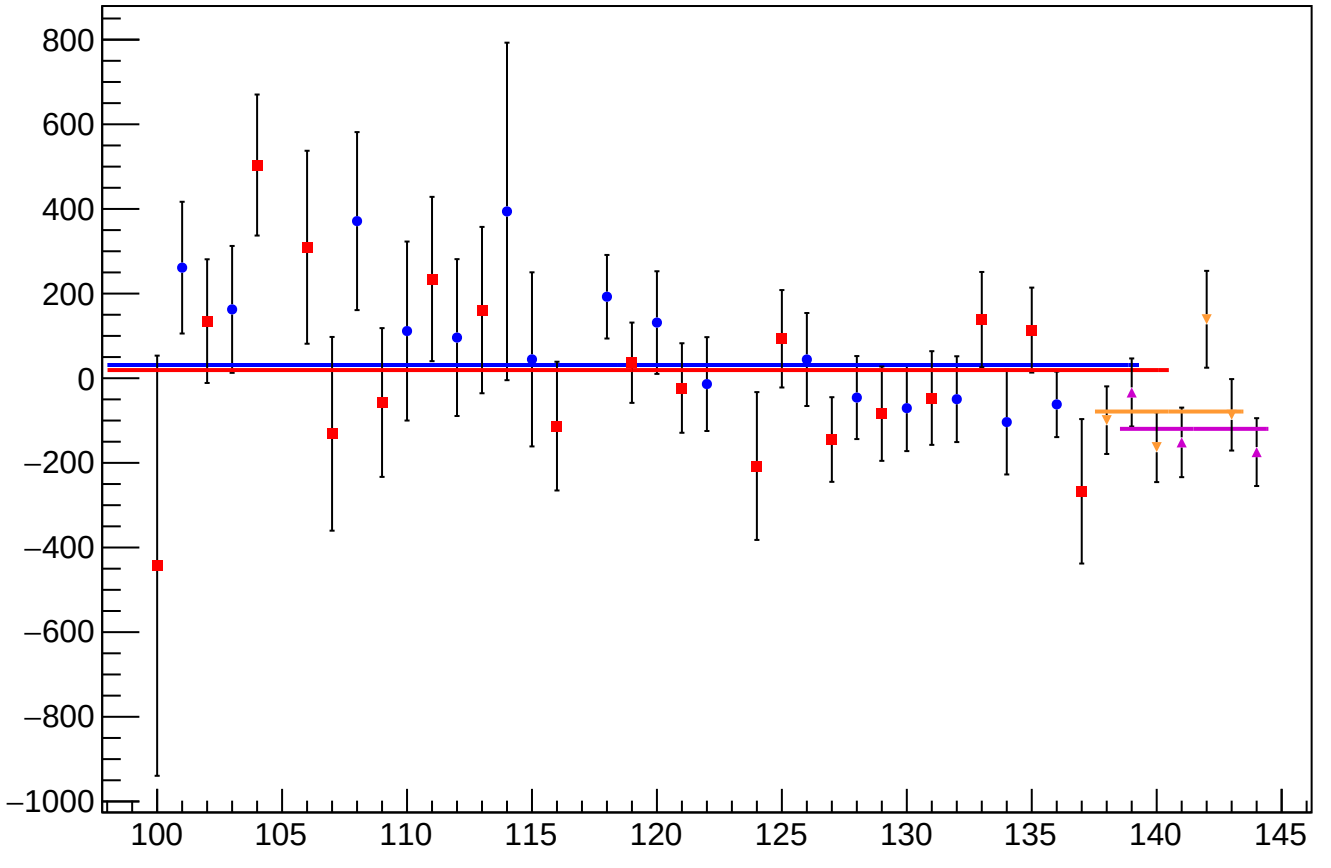
Left: 294.640+/-0.090 χ^2/NDF: 150550.2/6

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.792+/-0.086 χ^2/NDF:2879682.0/18

Out: 363.596+/-0.087 χ^2/NDF:2922131.8/22

All: 358.150+/-0.061 χ^2/NDF: 5809635.7/41



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -119.613+/-46.702 χ^2/NDF:1.8/2

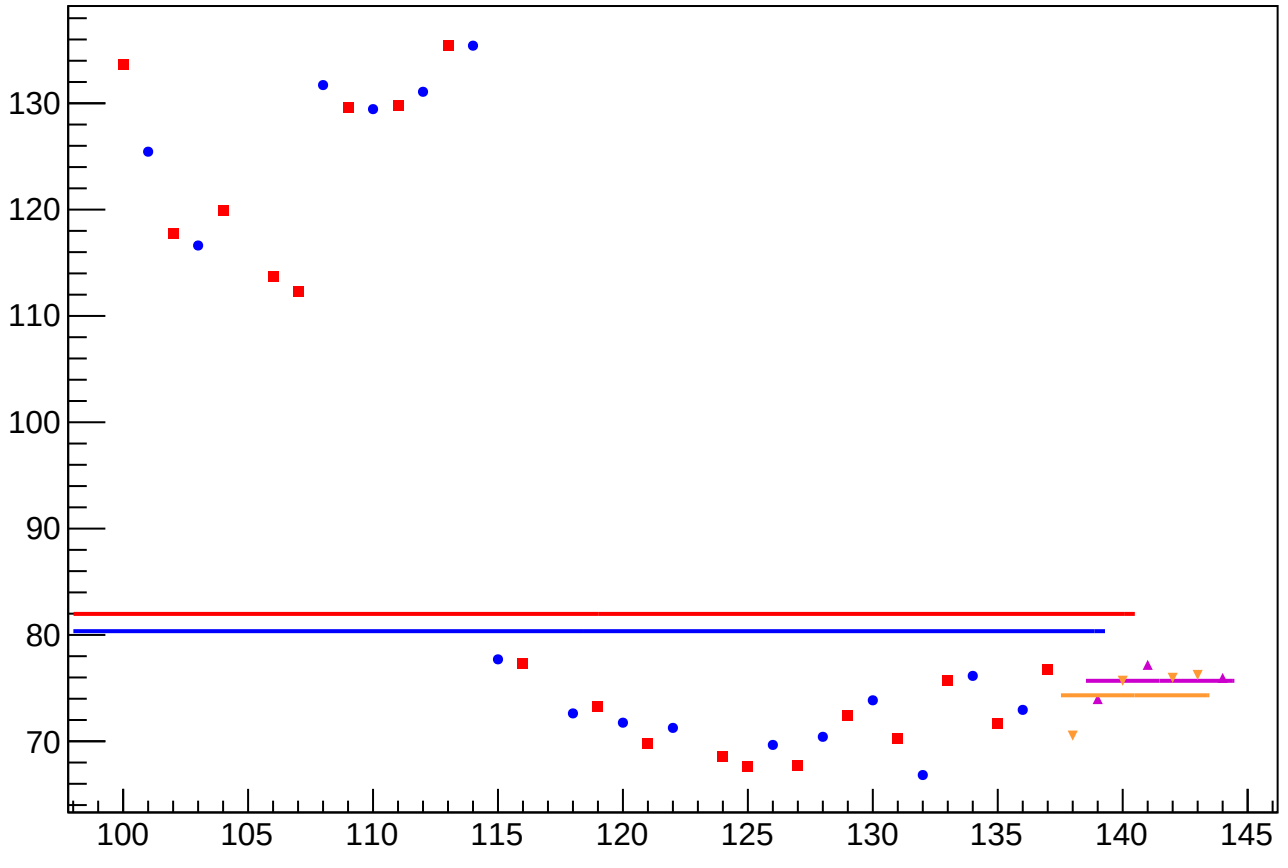
Left: -97.867+/-31.967 χ^2/NDF: 6.9/6

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -14.442+/-25.704 χ^2/NDF:24.1/18

Out: -13.454+/-25.345 χ^2/NDF:33.8/22

All: -13.941+/-18.047 χ^2/NDF: 57.9/41



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.686+/-0.033 χ^2/NDF:1603.3/2

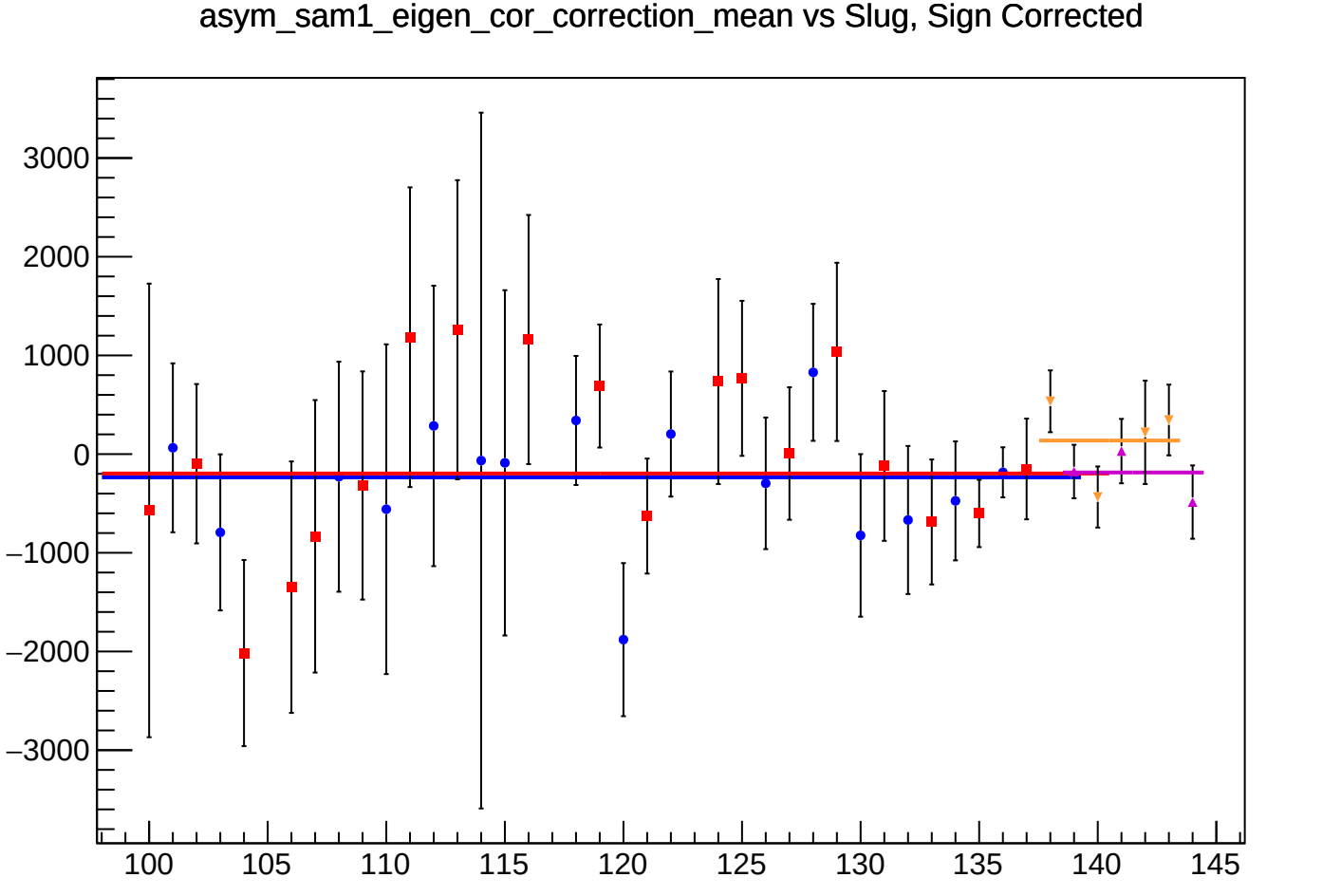
Left: 74.962+/-0.023 χ^2/NDF: 9011.0/6

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.940+/-0.018 χ^2/NDF:855572.2/18

Out: 79.420+/-0.018 χ^2/NDF:977553.7/22

All: 79.184+/-0.013 χ^2/NDF: 1833480.4/41



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -186.309+/-181.757 χ^2/NDF:1.1/2

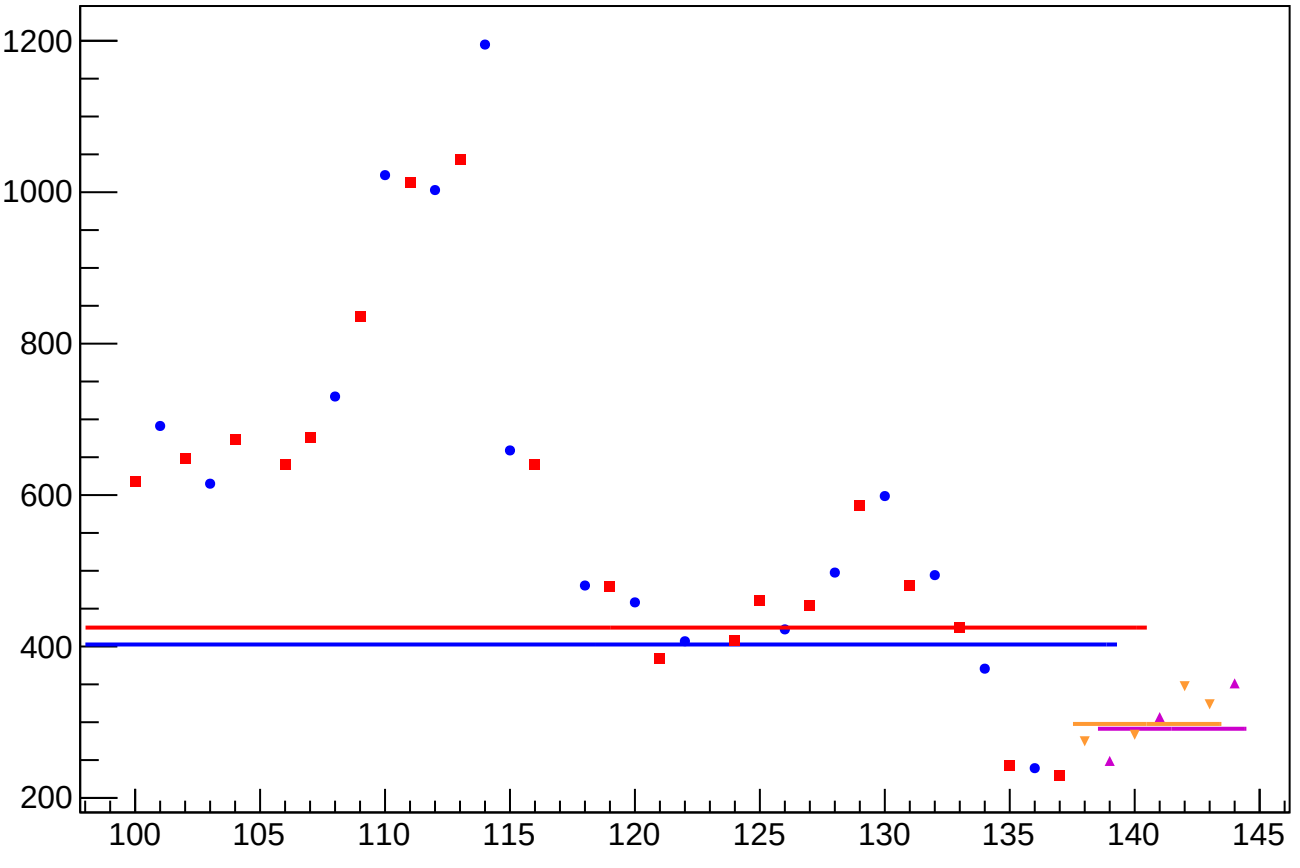
Left: -19.813+/-126.657 χ^2/NDF: 8.1/6

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -213.470+/-121.664 χ^2/NDF:11.1/18

Out: -35.480+/-122.657 χ^2/NDF:23.8/22

All: -125.198+/-86.378 χ^2/NDF: 36.0/41



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 291.366+/-0.129 χ^2/NDF:105730.6/2

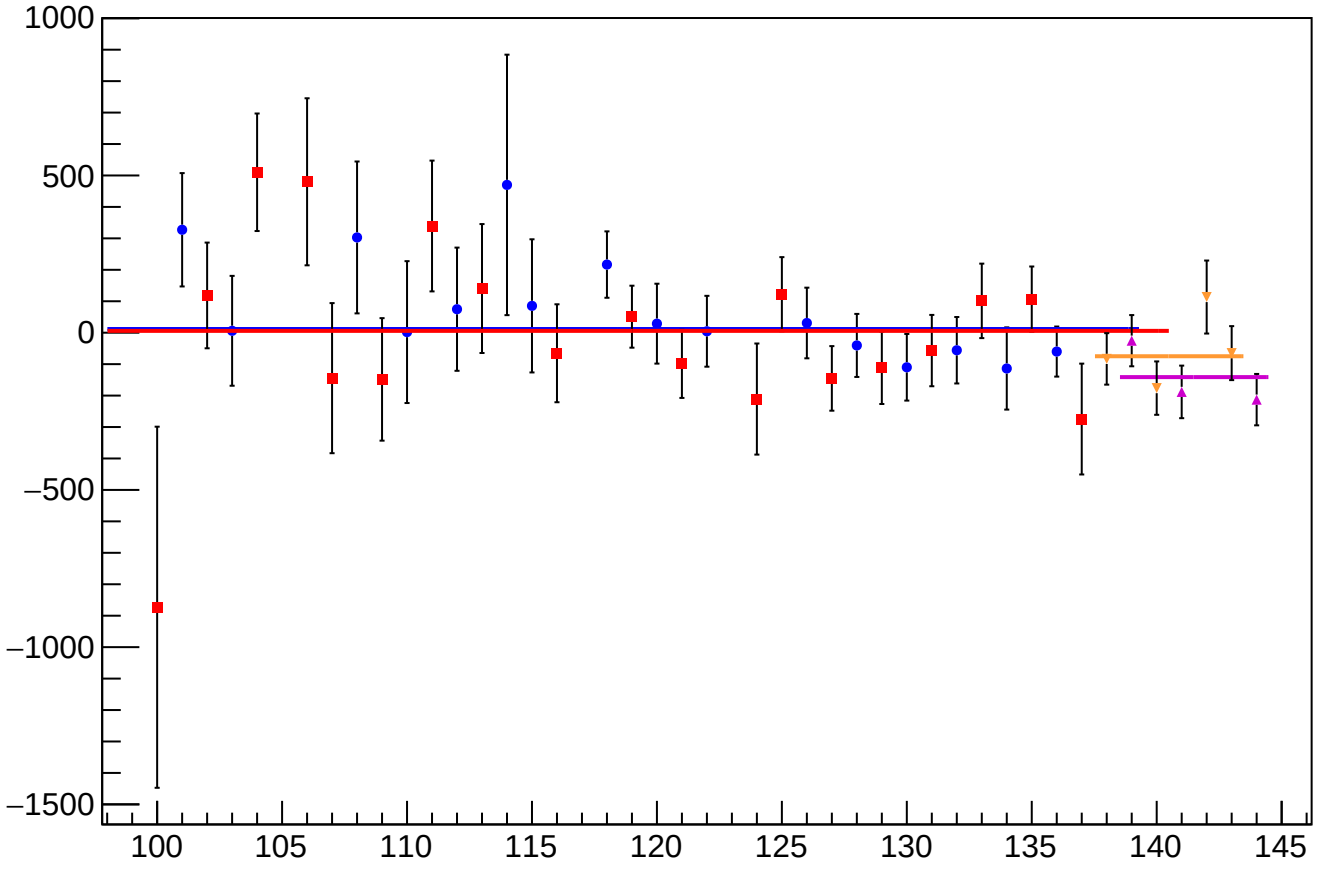
Left: 294.640+/-0.090 χ^2/NDF: 150550.2/6

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.792+/-0.086 χ^2/NDF:2879682.0/18

Out: 363.596+/-0.087 χ^2/NDF:2922131.8/22

All: 358.150+/-0.061 χ^2/NDF: 5809635.7/41



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.898+/-44.815 χ^2/NDF:4.1/3

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -141.227+/-47.475 χ^2/NDF:3.1/2

Left: -106.152+/-32.589 χ^2/NDF: 8.2/6

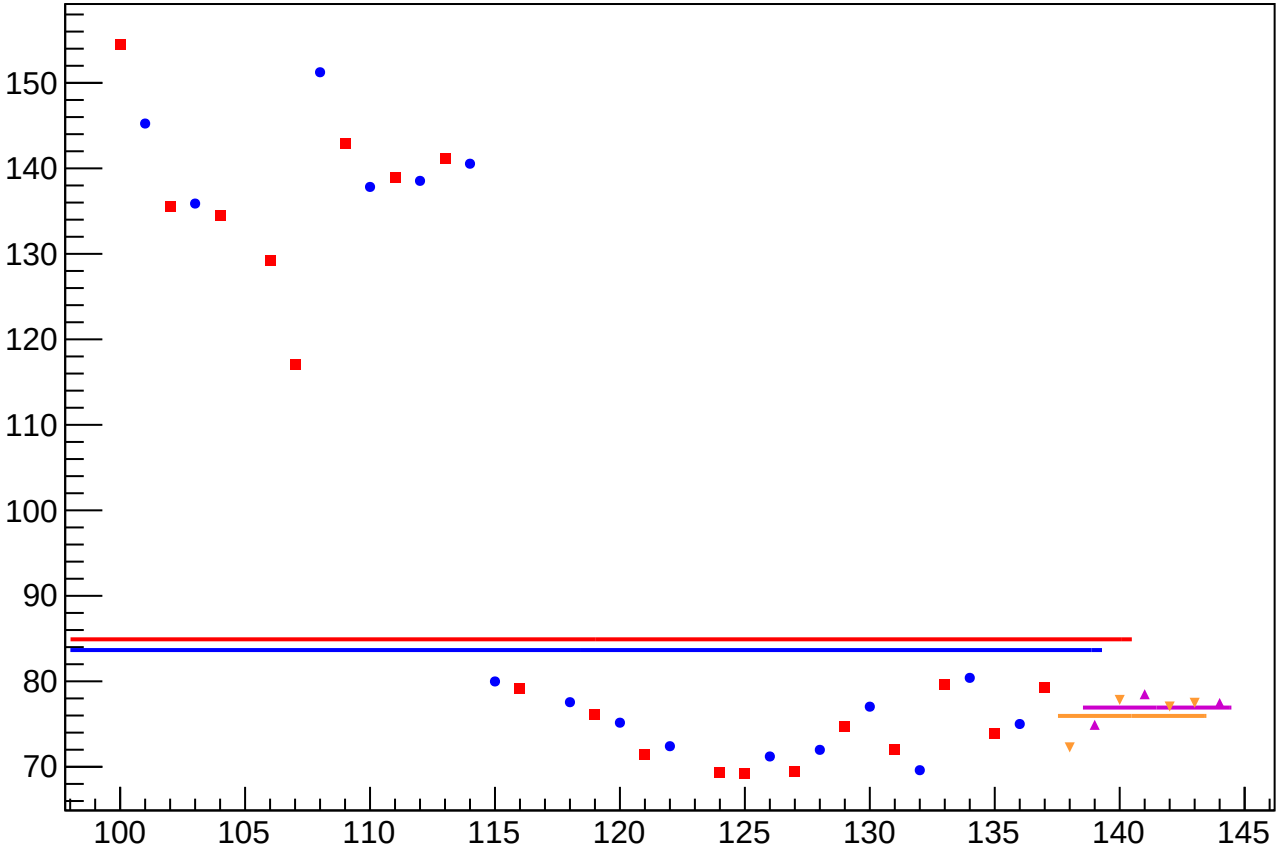
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -36.716+/-26.704 χ^2/NDF:23.7/18

Out: -21.939+/-26.280 χ^2/NDF:35.0/22

All: -29.209+/-18.731 χ^2/NDF: 58.9/41

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 76.930+/-0.034 χ^2/NDF:2011.4/2

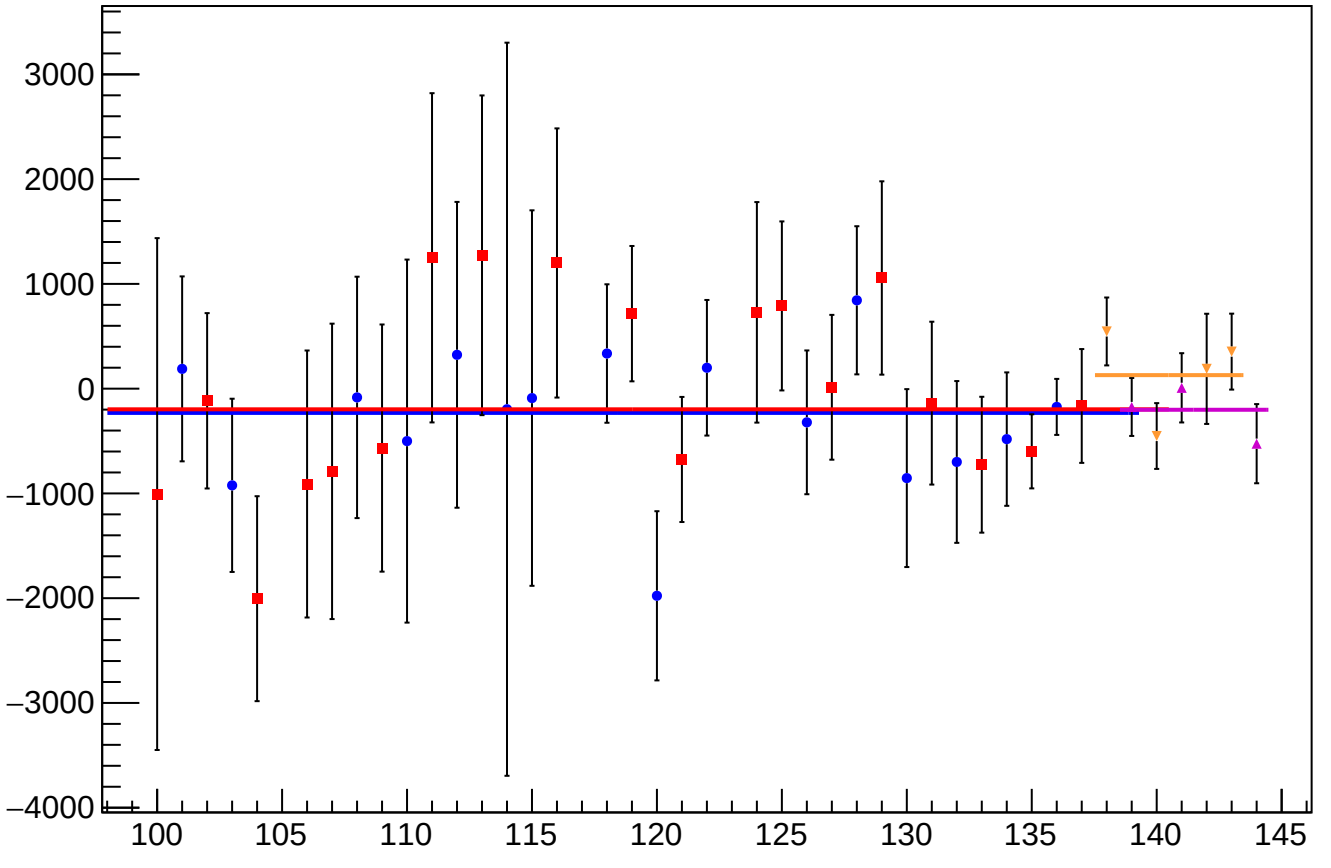
Left: 76.413+/-0.023 χ^2/NDF: 8292.5/6

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 81.529+/-0.019 χ^2/NDF:1064254.6/18

Out: 81.832+/-0.019 χ^2/NDF:1179961.3/22

All: 81.683+/-0.013 χ^2/NDF: 2244346.5/41



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 129.110+/-179.911 χ^2/NDF:5.5/3

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -201.511+/-184.994 χ^2/NDF:1.1/2

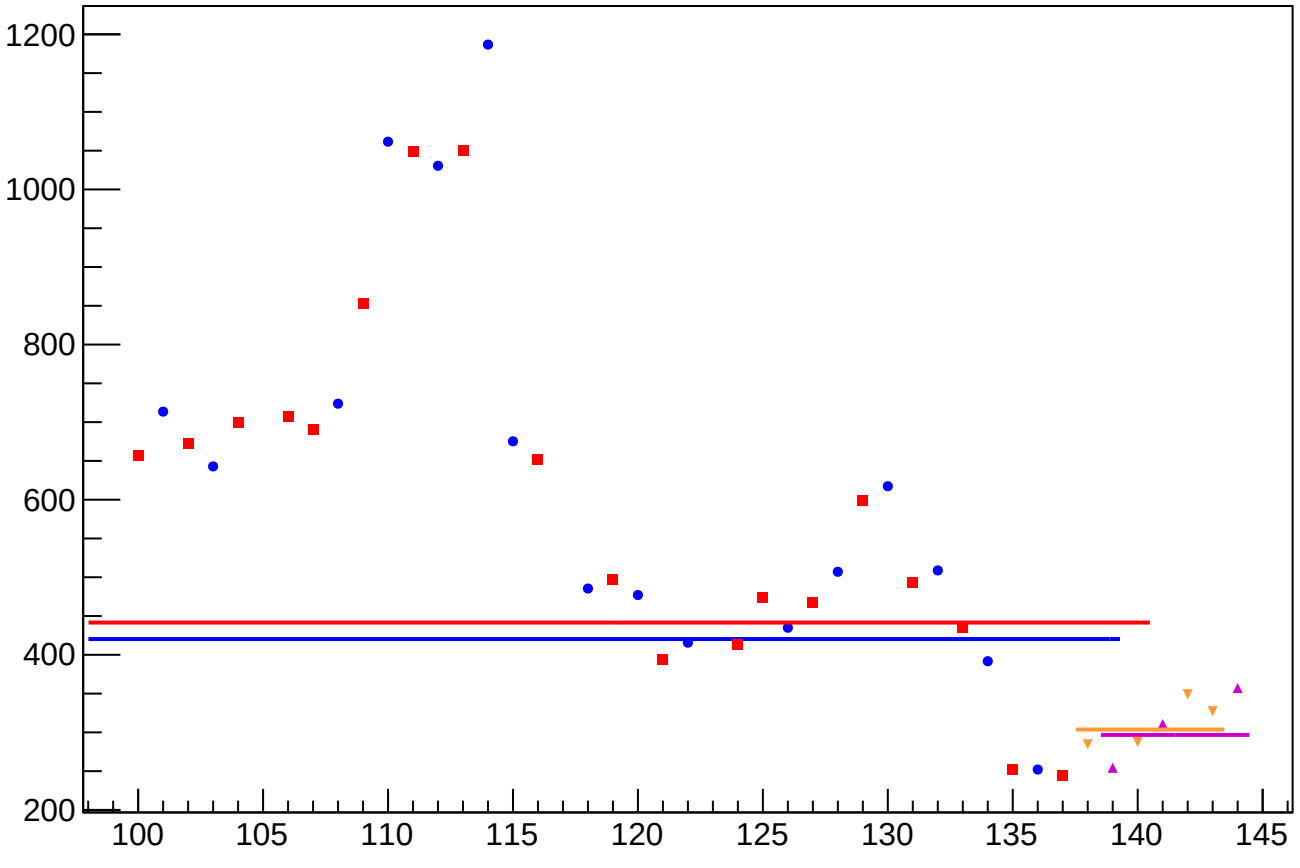
Left: -31.596+/-128.976 χ^2/NDF: 8.3/6

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -217.708+/-125.227 χ^2/NDF:11.6/18

Out: -37.549+/-125.844 χ^2/NDF:23.1/22

All: -128.071+/-88.766 χ^2/NDF: 35.6/41



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.8/3

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 296.710+/-0.131 χ^2/NDF:101675.0/2

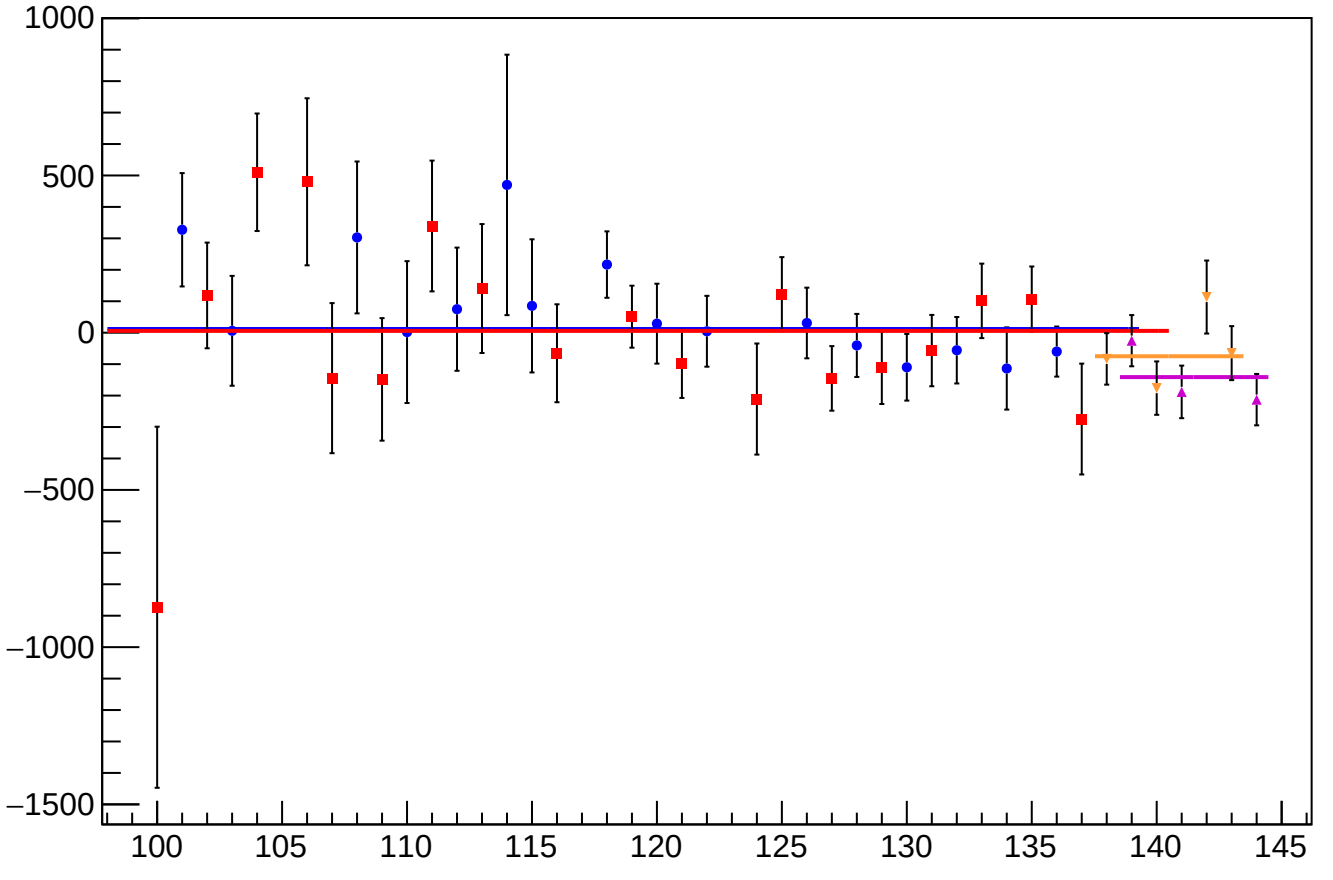
Left: 300.273+/-0.091 χ^2/NDF: 138642.5/6

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 363.684+/-0.089 χ^2/NDF:2840132.2/18

Out: 374.100+/-0.089 χ^2/NDF:2943705.5/22

All: 368.866+/-0.063 χ^2/NDF: 5790722.8/41



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.899+/-44.815 χ^2/NDF:4.1/3

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -141.227+/-47.475 χ^2/NDF:3.1/2

Left: -106.152+/-32.589 χ^2/NDF: 8.2/6

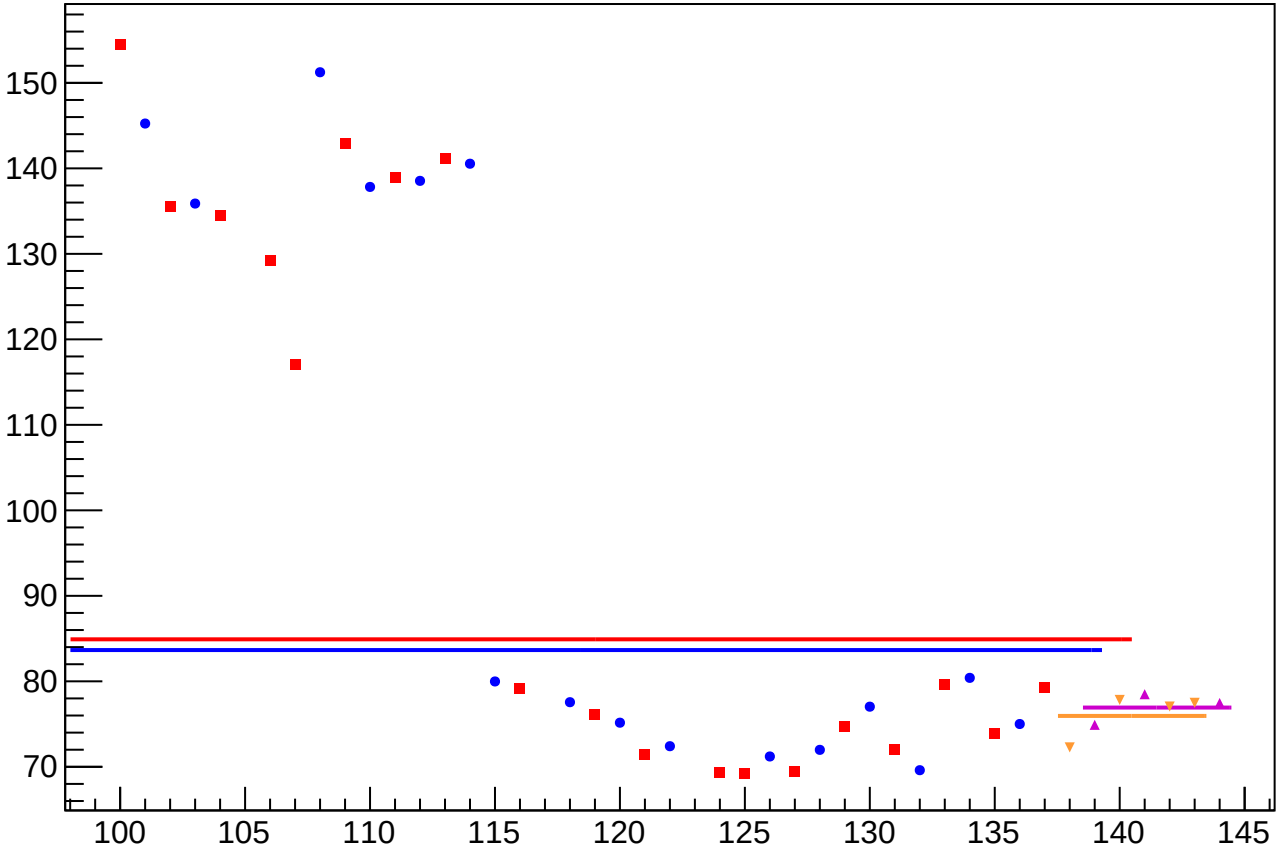
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -36.715+/-26.704 χ^2/NDF:23.7/18

Out: -21.940+/-26.280 χ^2/NDF:35.0/22

All: -29.209+/-18.731 χ^2/NDF: 58.9/41

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 76.930+/-0.034 χ^2/NDF:2011.5/2

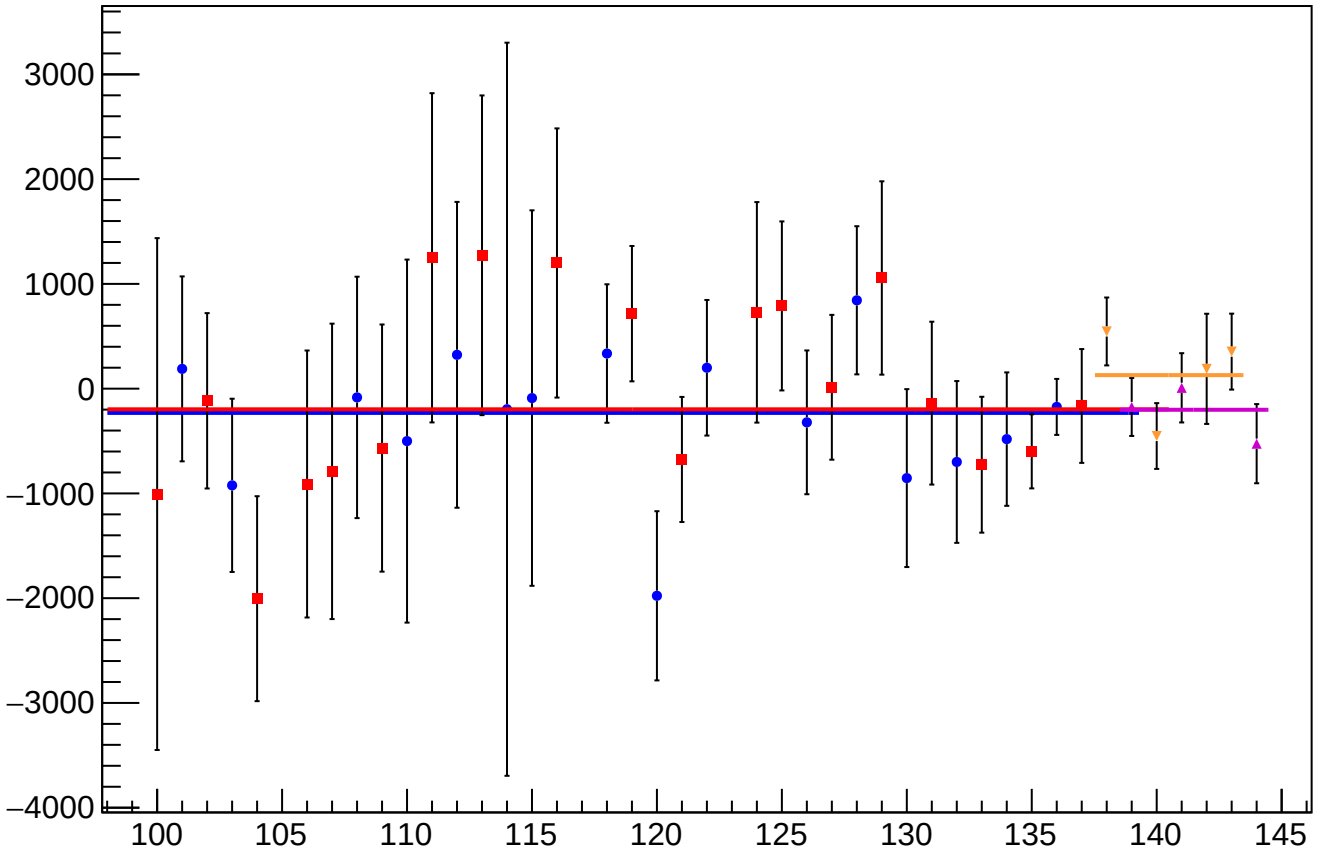
Left: 76.413+/-0.023 χ^2/NDF: 8292.6/6

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 81.529+/-0.019 χ^2/NDF:1064253.6/18

Out: 81.832+/-0.019 χ^2/NDF:1179959.4/22

All: 81.683+/-0.013 χ^2/NDF: 2244343.8/41



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 129.109+/-179.911 χ^2/NDF:5.5/3

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -201.511+/-184.994 χ^2/NDF:1.1/2

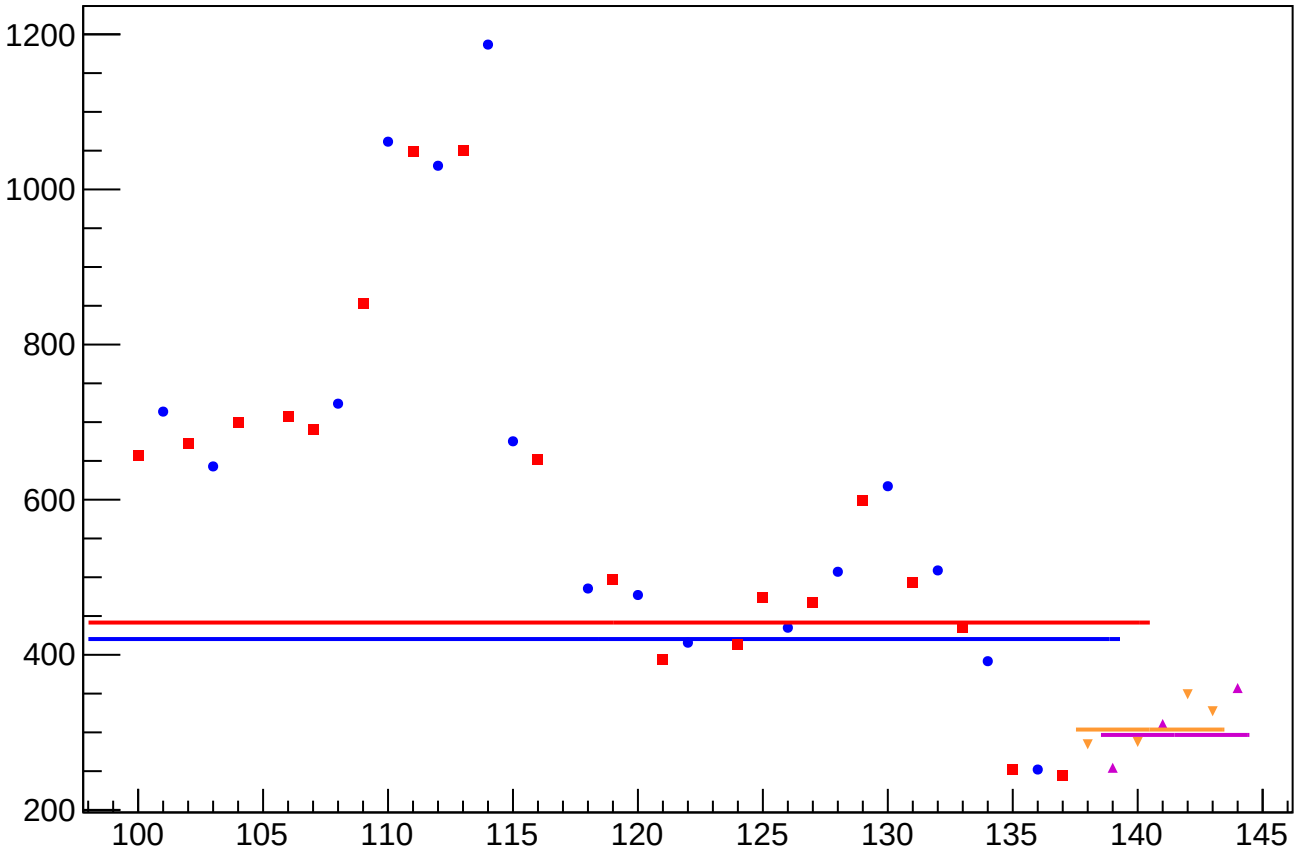
Left: -31.596+/-128.976 χ^2/NDF: 8.3/6

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -217.707+/-125.227 χ^2/NDF:11.6/18

Out: -37.550+/-125.844 χ^2/NDF:23.1/22

All: -128.071+/-88.766 χ^2/NDF: 35.6/41



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.3/3

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 296.709+/-0.131 χ^2/NDF:101675.0/2

Left: 300.272+/-0.091 χ^2/NDF: 138642.0/6

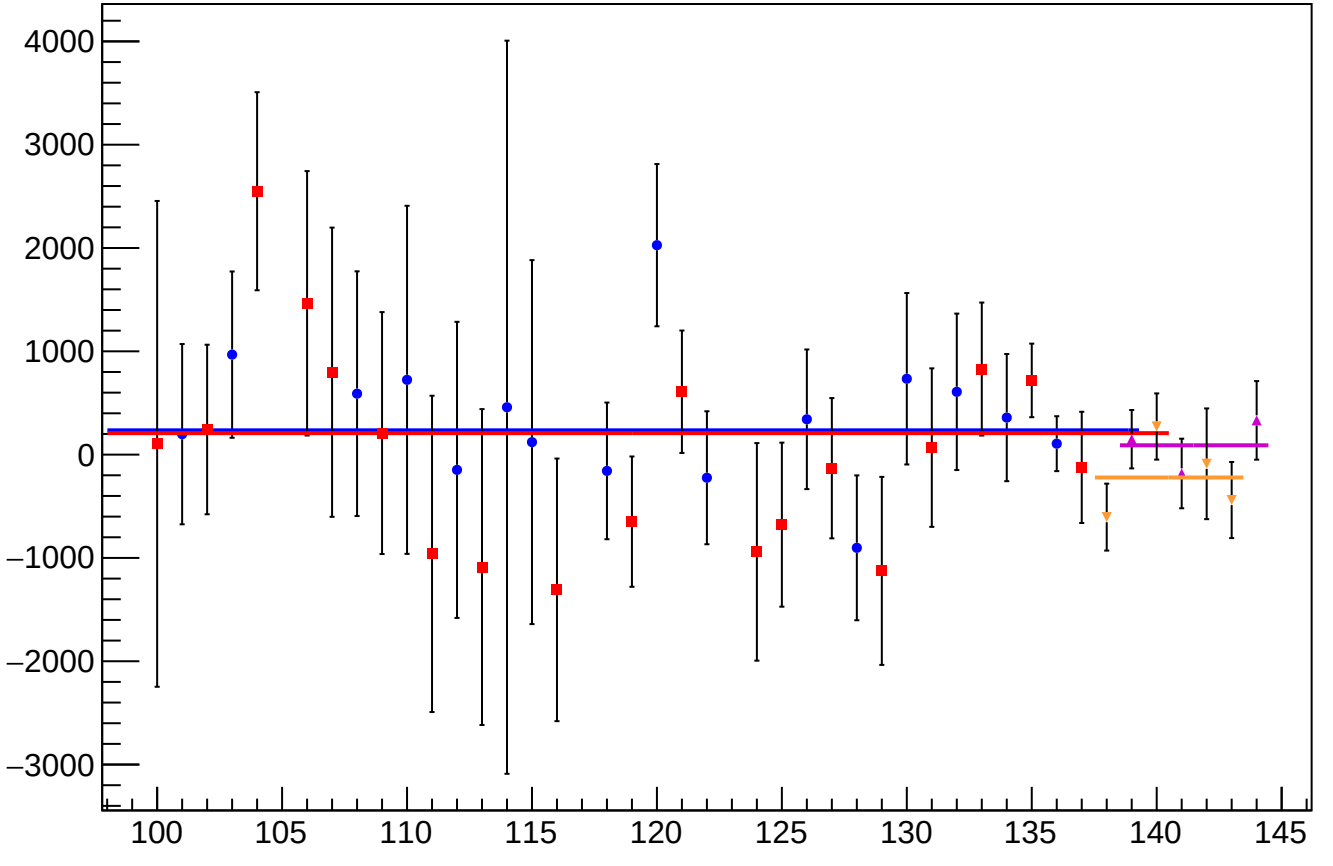
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 363.683+/-0.089 χ^2/NDF:2840135.3/18

Out: 374.100+/-0.089 χ^2/NDF:2943708.6/22

All: 368.866+/-0.063 χ^2/NDF: 5790728.9/41

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -221.315+/-182.244 χ^2/NDF:4.2/3

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 90.322+/-188.129 χ^2/NDF:1.1/2

Left: -70.447+/-130.897 χ^2/NDF: 6.7/6

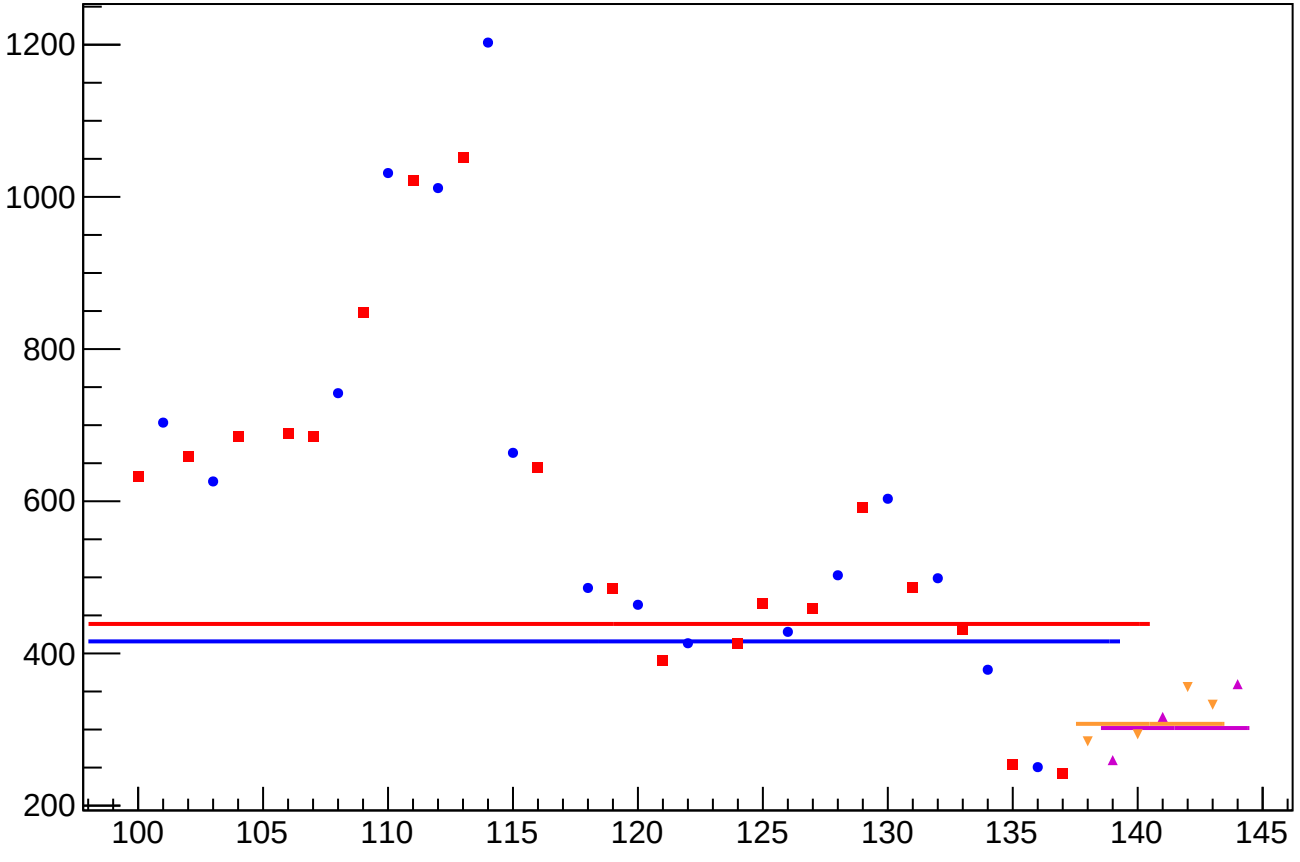
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 170.758+/-125.391 χ^2/NDF:12.1/18

Out: 2.360+/-126.120 χ^2/NDF:27.4/22

All: 87.047+/-88.921 χ^2/NDF: 40.5/41

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 307.480+/-0.129 χ^2/NDF:39370.1/3

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 301.967+/-0.133 χ^2/NDF:94277.4/2

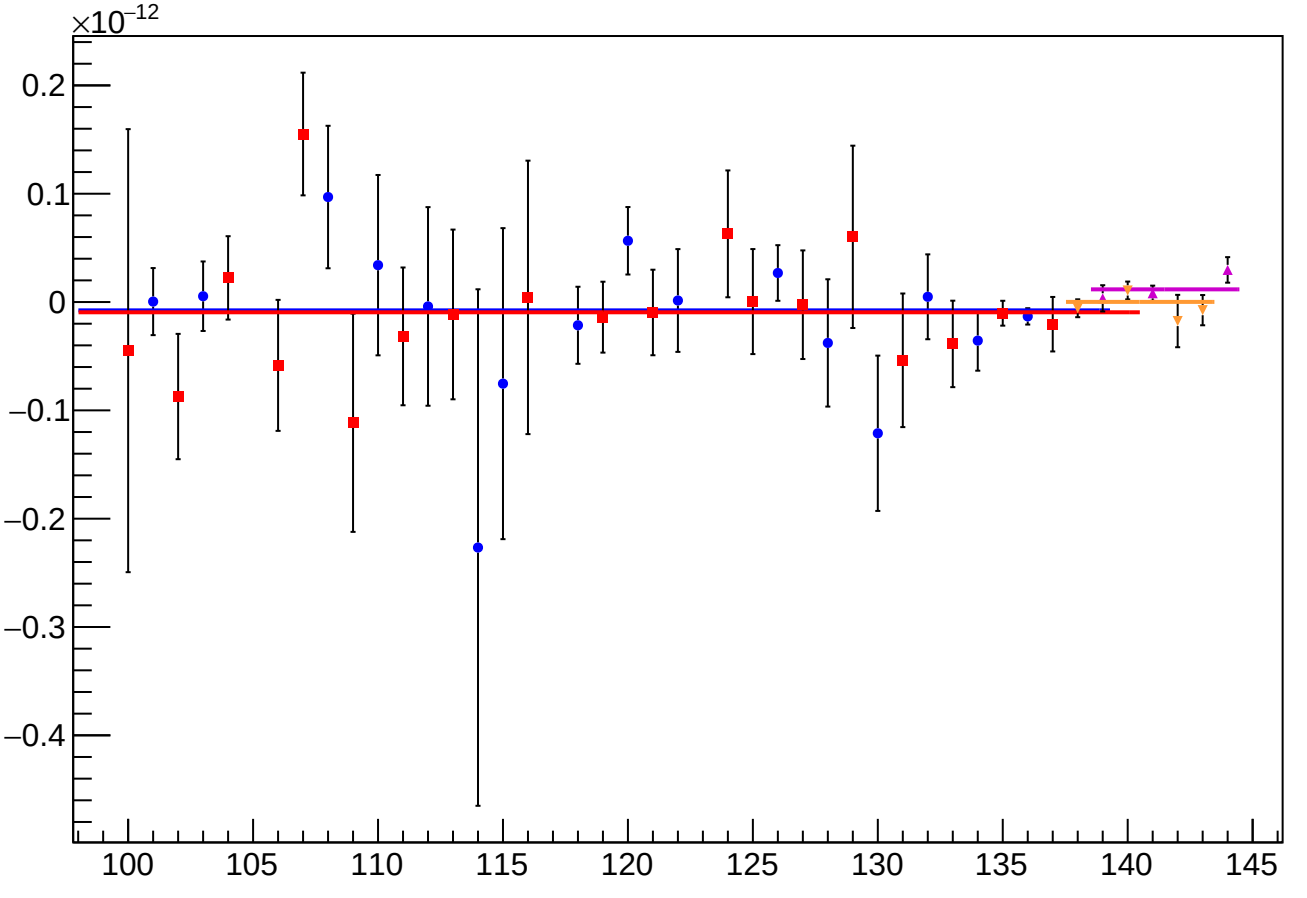
Left: 304.811+/-0.093 χ^2/NDF: 134533.5/6

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 365.253+/-0.089 χ^2/NDF:2725457.8/18

Out: 375.895+/-0.089 χ^2/NDF:2815035.9/22

All: 370.543+/-0.063 χ^2/NDF: 5547654.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/2

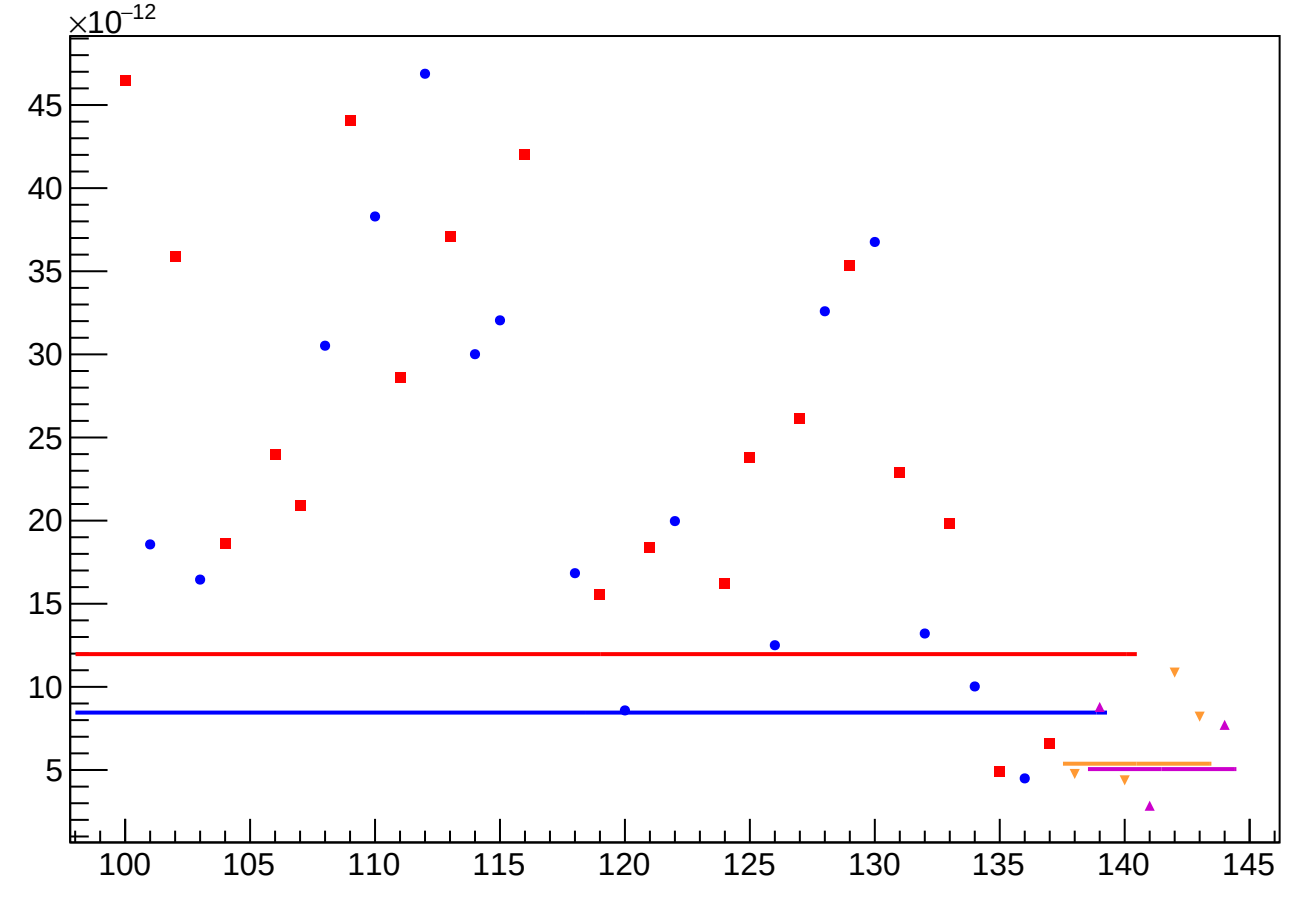
Left: 0.000+/-0.000 χ^2/NDF: 8.4/6

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:23.4/18

Out: -0.000+/-0.000 χ^2/NDF:20.3/22

All: 0.000+/-0.000 χ^2/NDF: 44.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:225740.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:489337.7/2

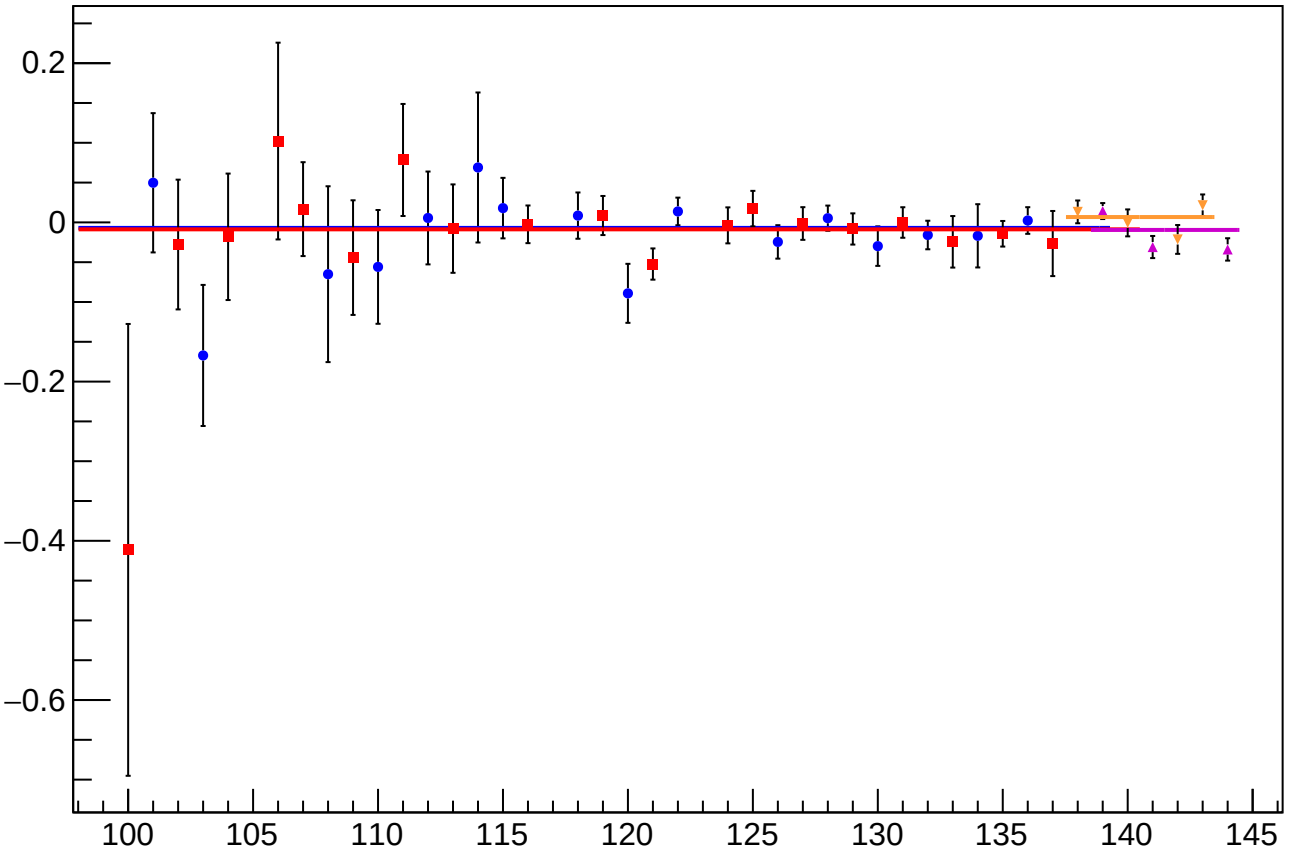
Left: 0.000+/-0.000 χ^2/NDF: 718786.4/6

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:3589756.7/18

Out: 0.000+/-0.000 χ^2/NDF:3910252.0/22

All: 0.000+/-0.000 χ^2/NDF: 7533755.2/41



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.007 χ^2/NDF:11.0/2

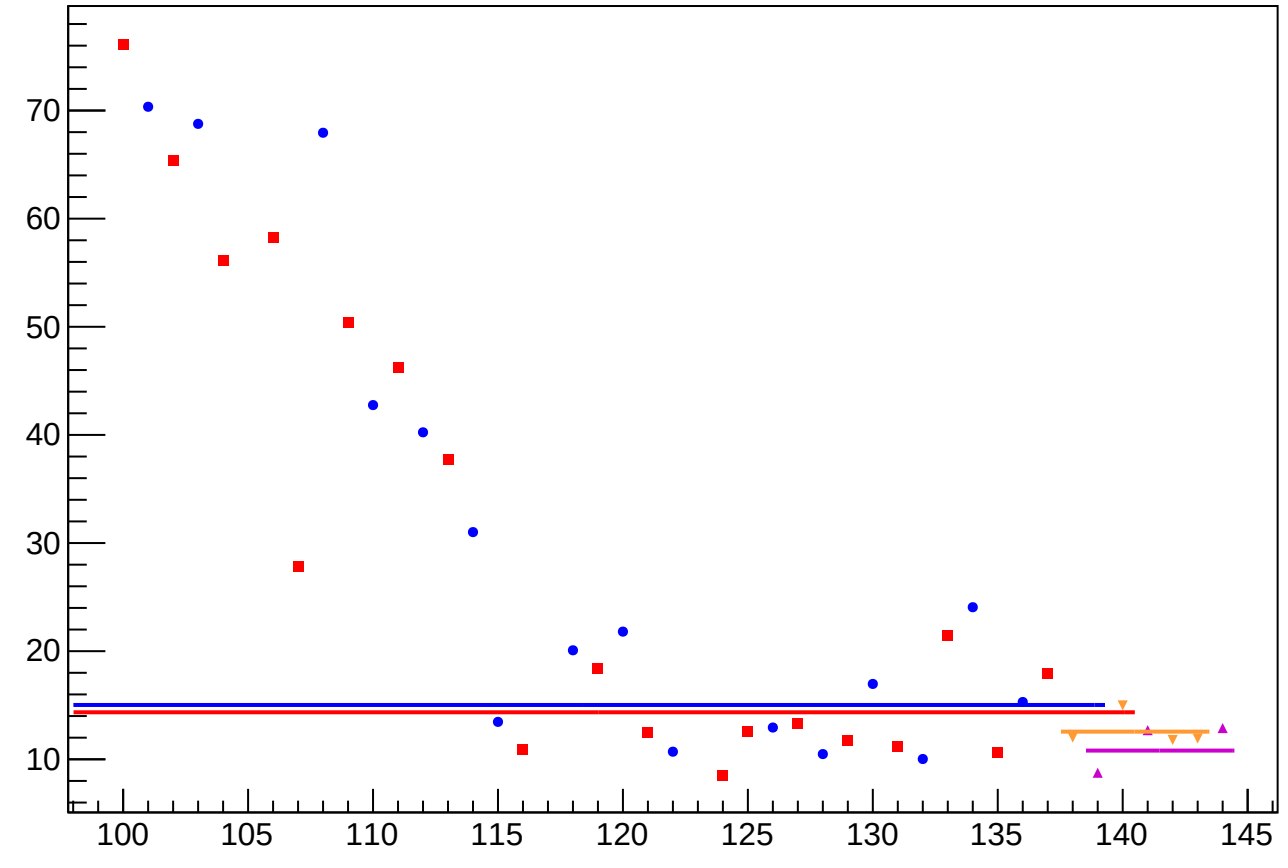
Left: -0.002+/-0.005 χ^2/NDF: 17.4/6

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.008+/-0.005 χ^2/NDF:26.0/18

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.005+/-0.003 χ^2/NDF: 45.7/41



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.807+/-0.005 χ^2/NDF:164095.9/2

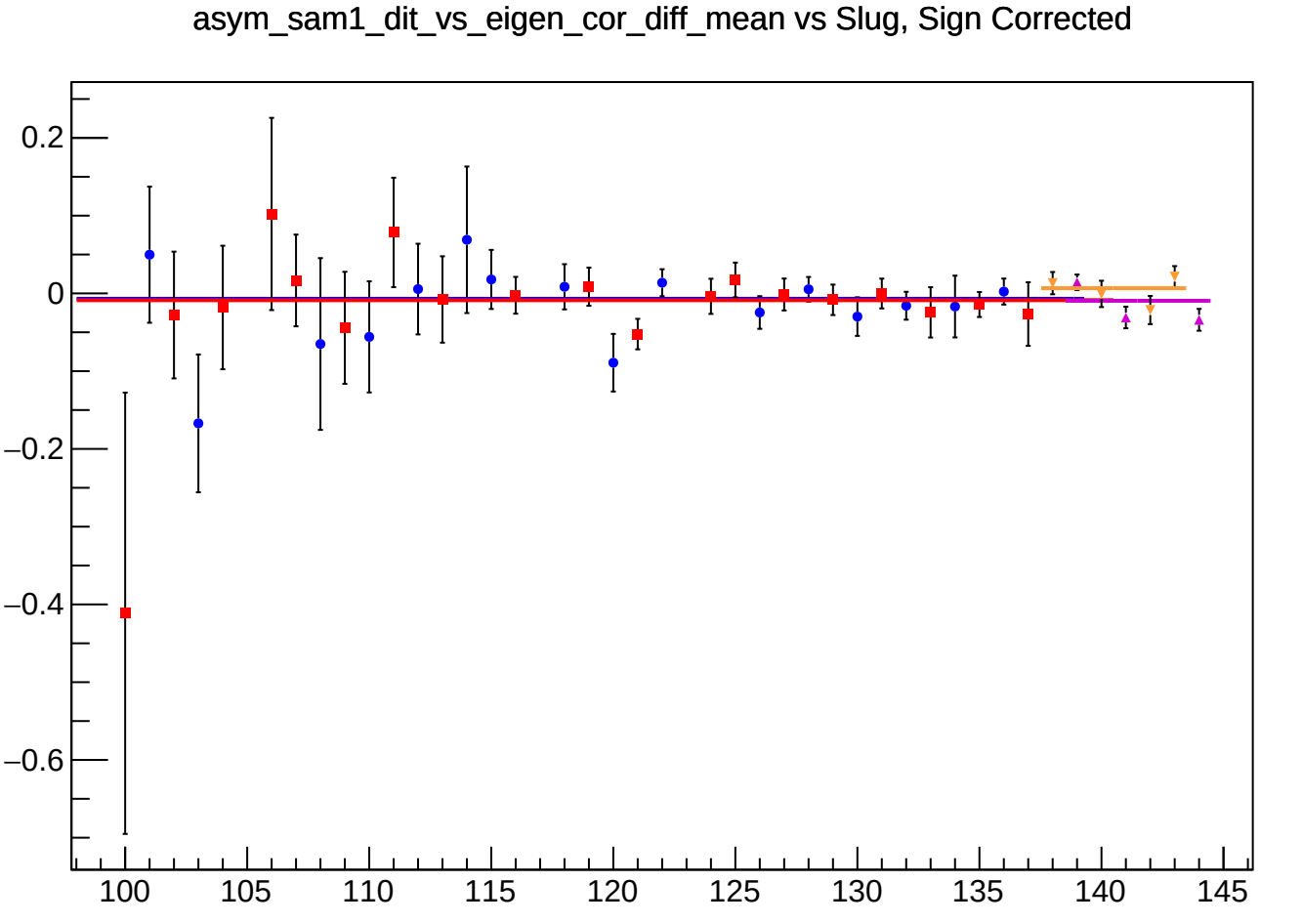
Left: 11.604+/-0.004 χ^2/NDF: 272425.2/6

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.011+/-0.003 χ^2/NDF:3977393.0/18

Out: 13.620+/-0.003 χ^2/NDF:3744902.1/22

All: 13.312+/-0.002 χ^2/NDF: 7737807.1/41



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.007 χ^2/NDF:11.0/2

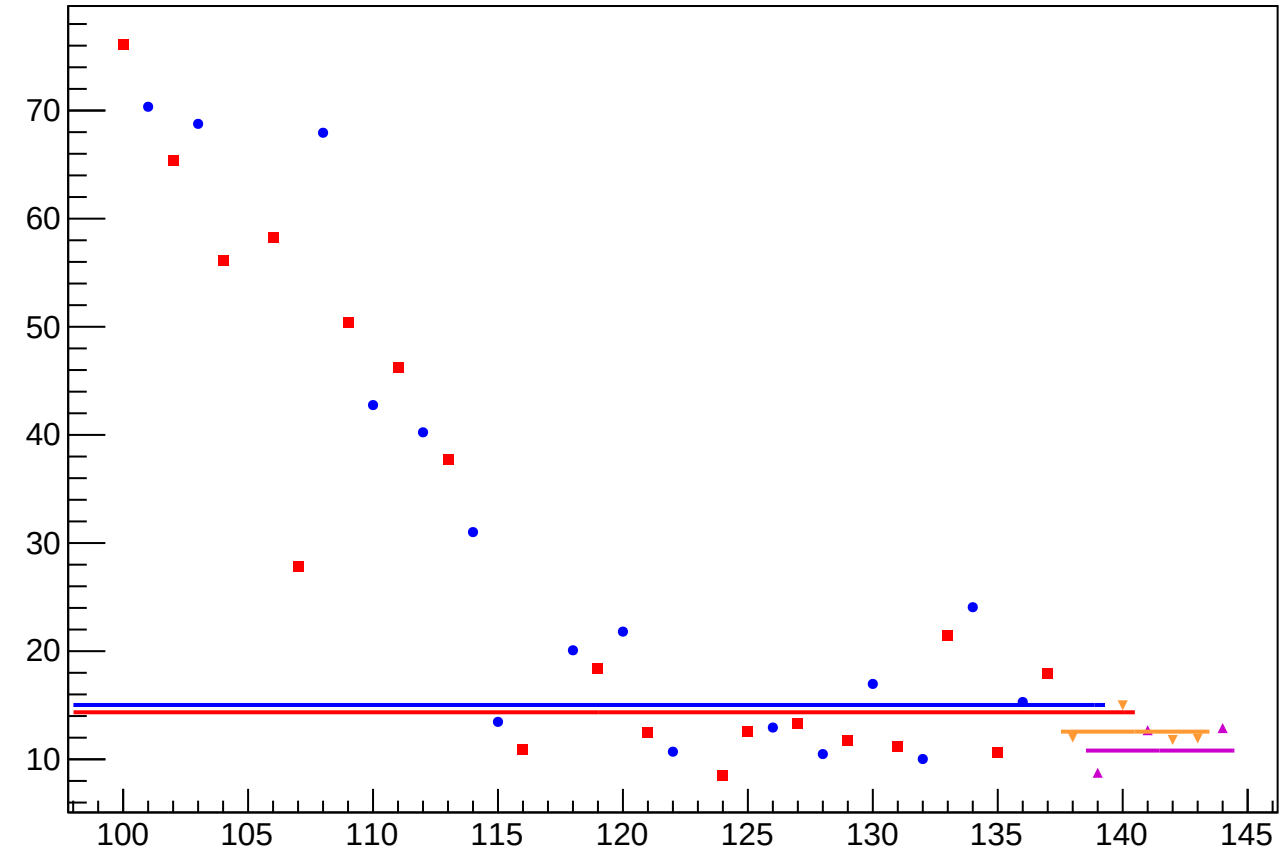
Left: -0.002+/-0.005 χ^2/NDF: 17.4/6

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.008+/-0.005 χ^2/NDF:26.0/18

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.005+/-0.003 χ^2/NDF: 45.7/41



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.807+/-0.005 χ^2/NDF:164095.9/2

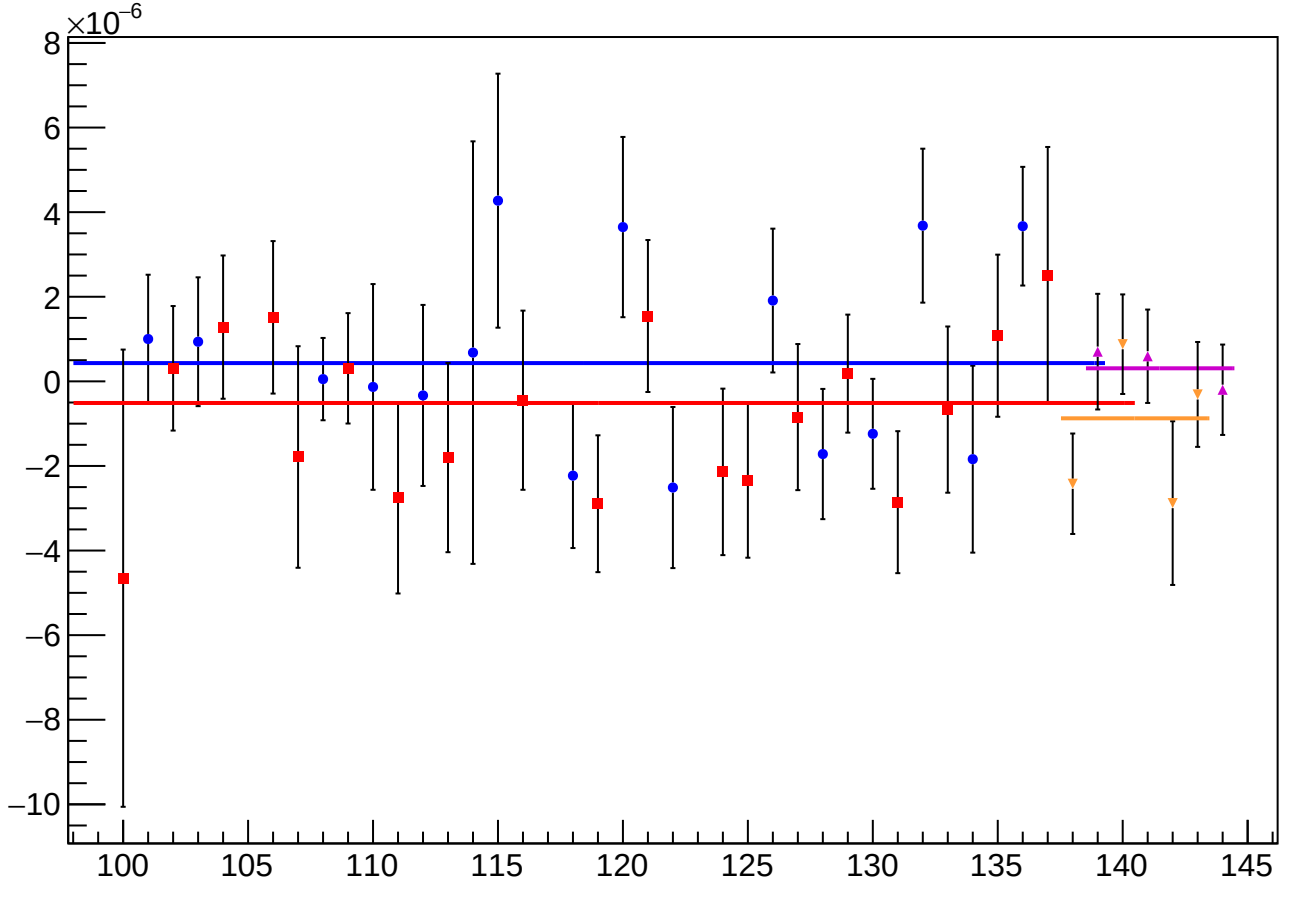
Left: 11.604+/-0.004 χ^2/NDF: 272425.2/6

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.011+/-0.003 χ^2/NDF:3977393.0/18

Out: 13.620+/-0.003 χ^2/NDF:3744902.1/22

All: 13.312+/-0.002 χ^2/NDF: 7737807.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

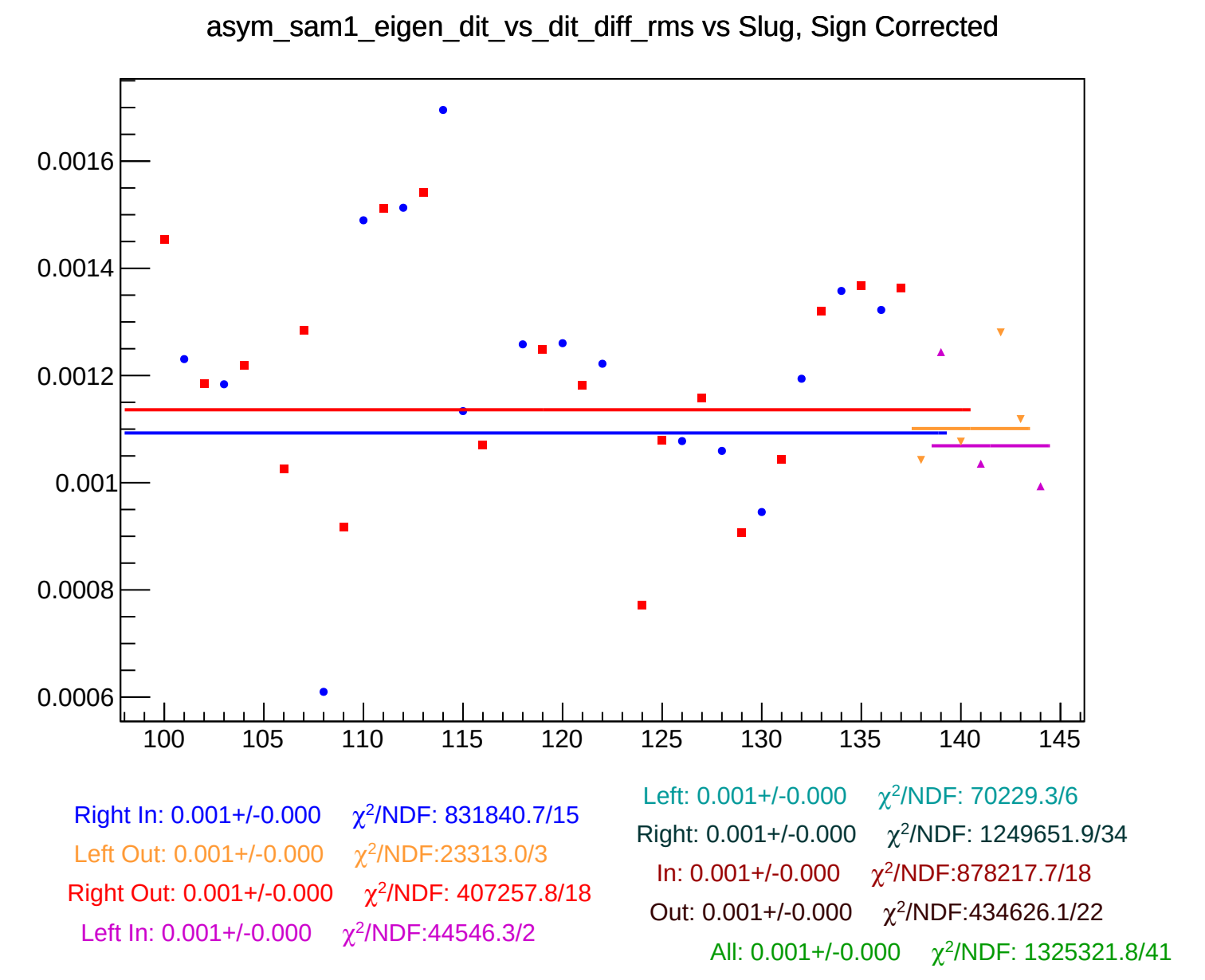
Left: -0.000+/-0.000 χ^2/NDF: 7.2/6

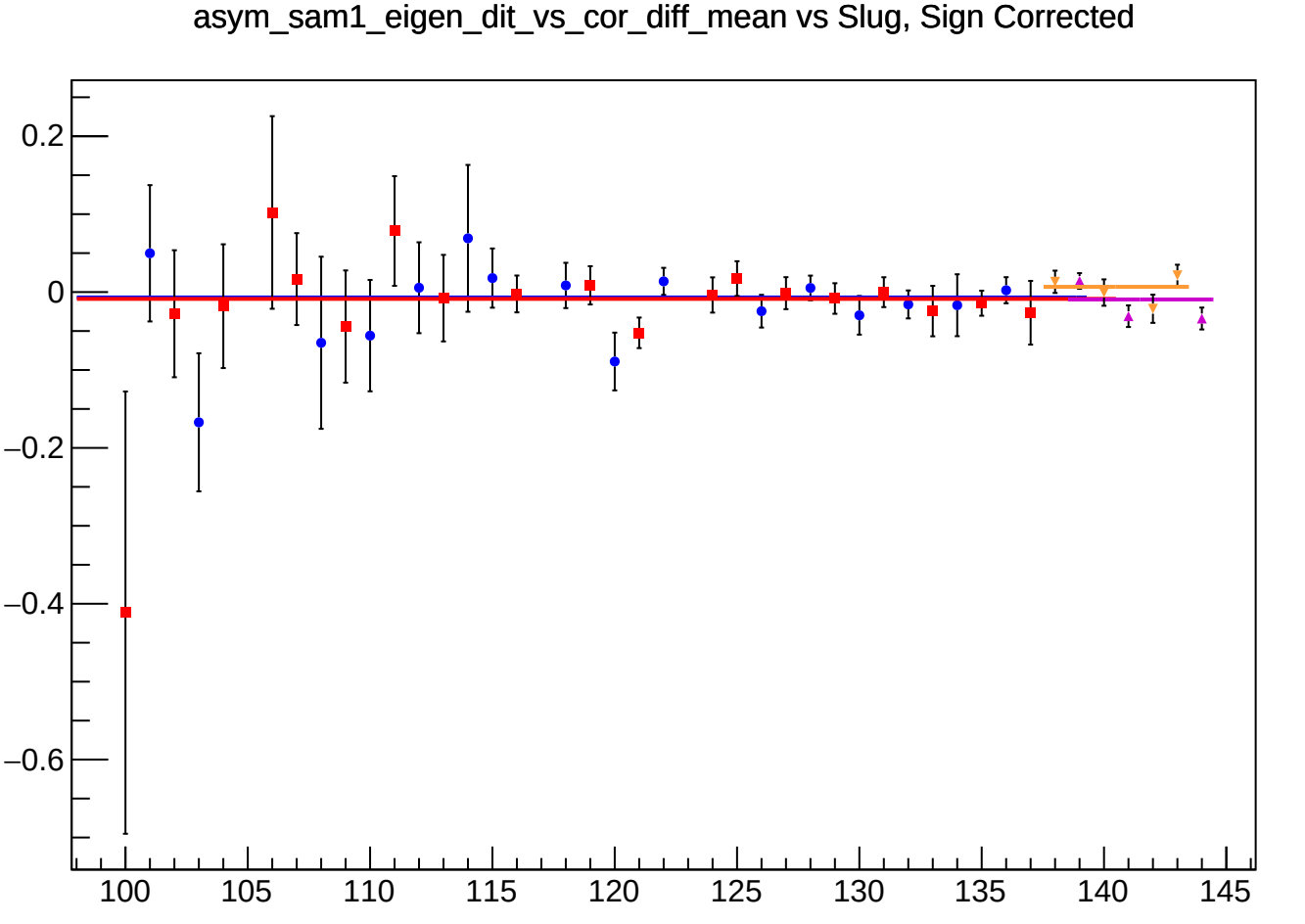
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.6/18

Out: -0.000+/-0.000 χ^2/NDF:19.7/22

All: -0.000+/-0.000 χ^2/NDF: 47.4/41


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:23313.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:44546.3/2
Left: 0.001+/-0.000 χ²/NDF: 70229.3/6
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:878217.7/18
Out: 0.001+/-0.000 χ²/NDF:434626.1/22
All: 0.001+/-0.000 χ²/NDF: 1325321.8/41



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.007 χ^2/NDF:11.0/2

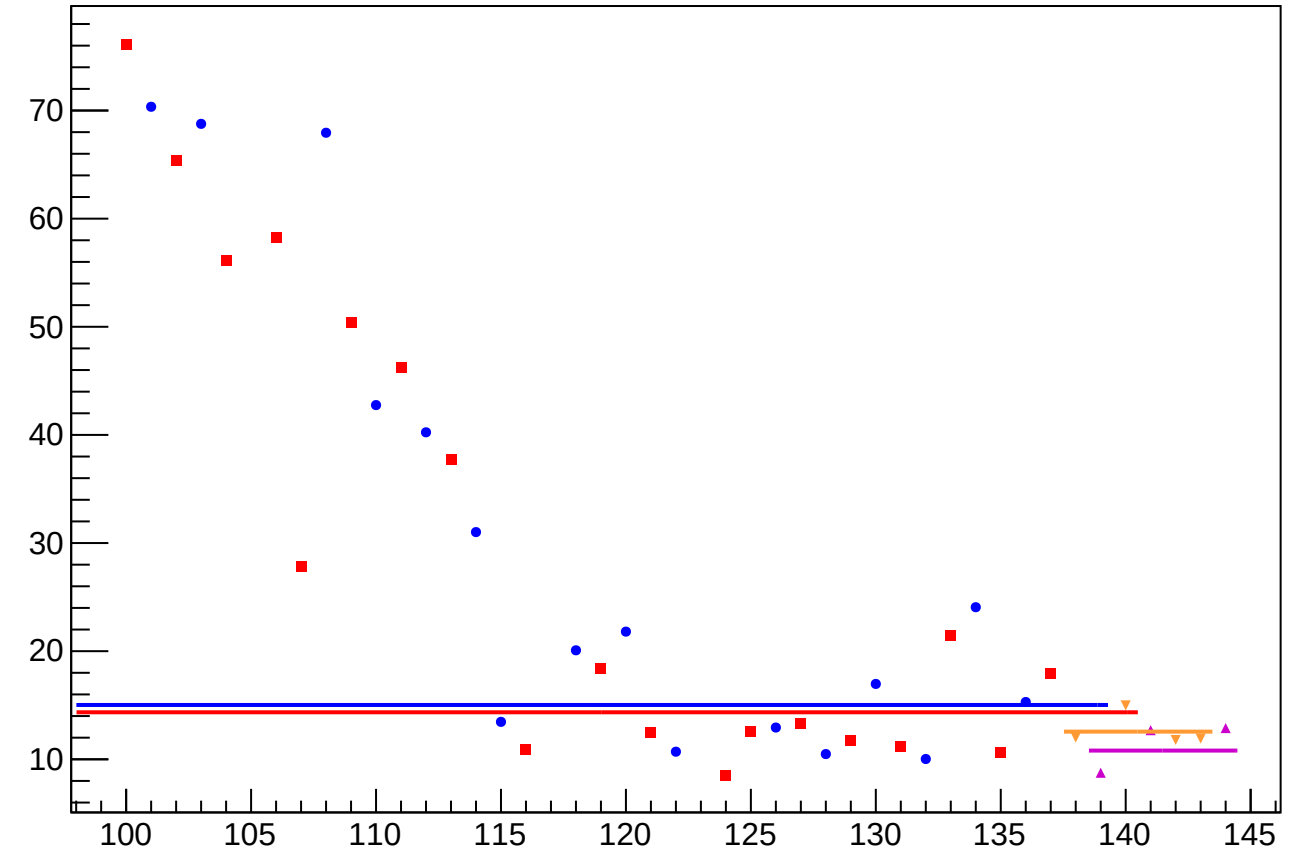
Left: -0.002+/-0.005 χ^2/NDF: 17.4/6

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.008+/-0.005 χ^2/NDF:26.0/18

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.005+/-0.003 χ^2/NDF: 45.7/41



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.559+/-0.005 χ^2/NDF:52008.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.807+/-0.005 χ^2/NDF:164104.9/2

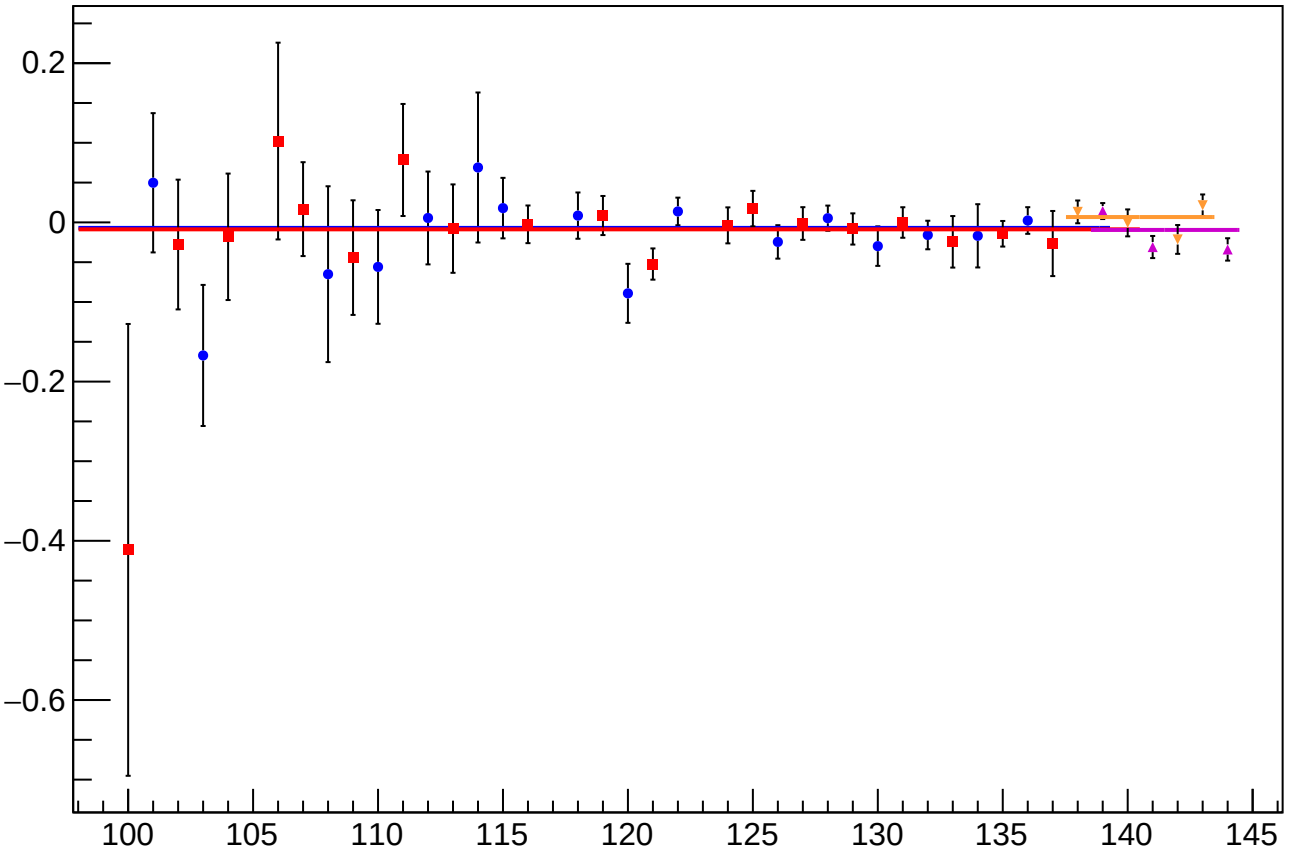
Left: 11.604+/-0.004 χ^2/NDF: 272442.7/6

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.011+/-0.003 χ^2/NDF:3977399.1/18

Out: 13.620+/-0.003 χ^2/NDF:3744882.8/22

All: 13.312+/-0.002 χ^2/NDF: 7737798.0/41



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.007 χ^2/NDF:11.0/2

Left: -0.002+/-0.005 χ^2/NDF: 17.4/6

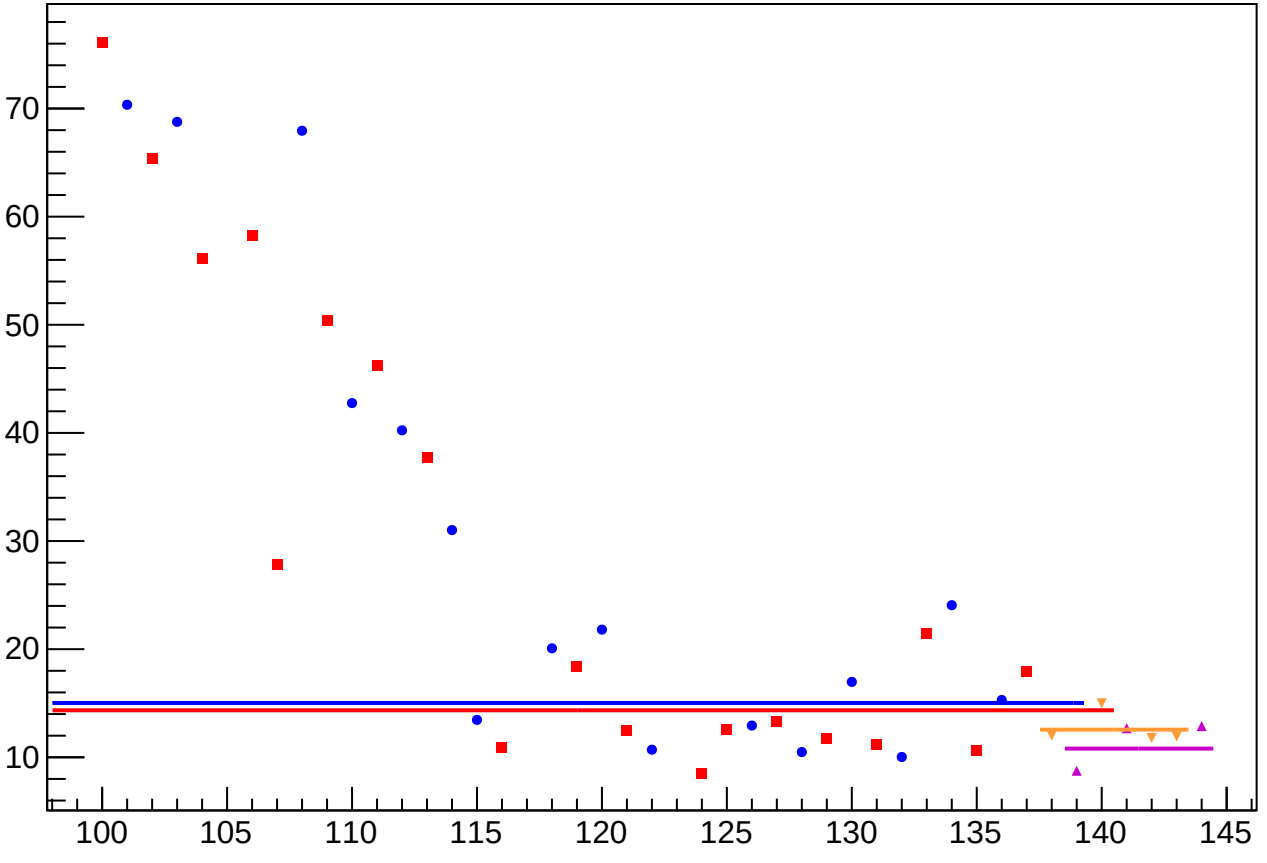
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.008+/-0.005 χ^2/NDF:26.0/18

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.005+/-0.003 χ^2/NDF: 45.7/41

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: 12.559+/-0.005 χ^2/NDF:52008.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.807+/-0.005 χ^2/NDF:164104.9/2

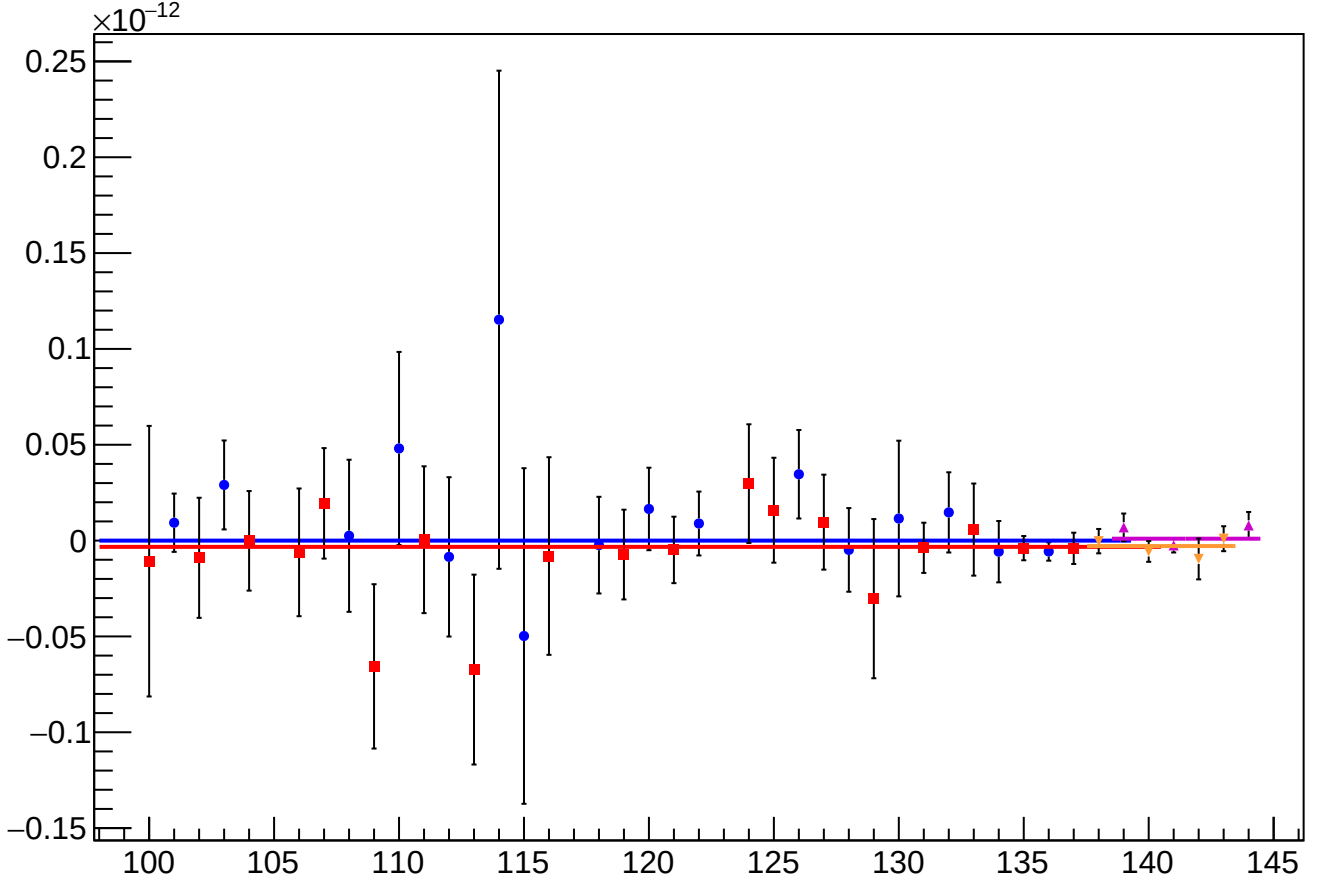
Left: 11.604+/-0.004 χ^2/NDF: 272442.7/6

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.011+/-0.003 χ^2/NDF:3977399.1/18

Out: 13.620+/-0.003 χ^2/NDF:3744882.8/22

All: 13.312+/-0.002 χ^2/NDF: 7737798.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/2

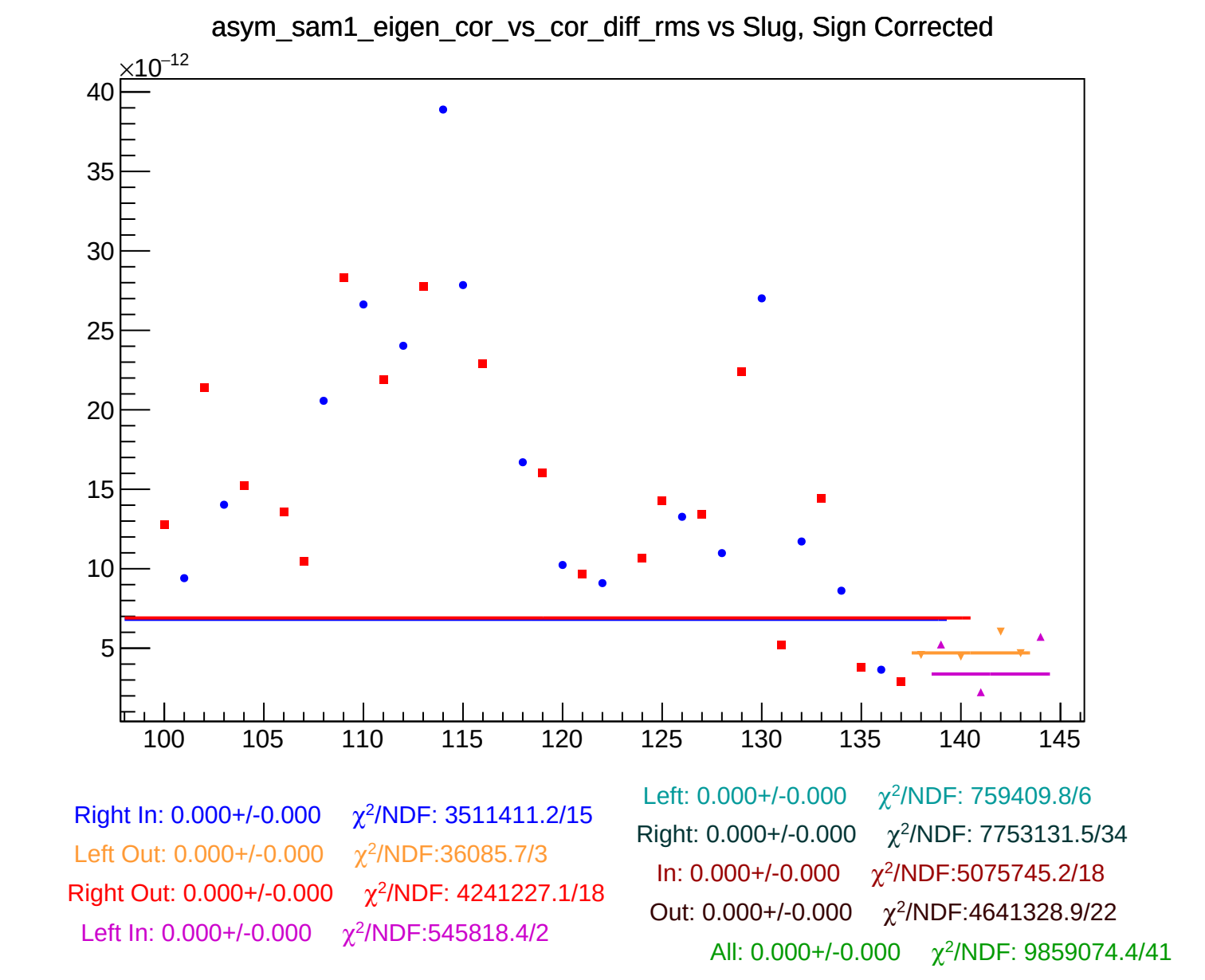
Left: -0.000+/-0.000 χ^2/NDF: 4.4/6

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

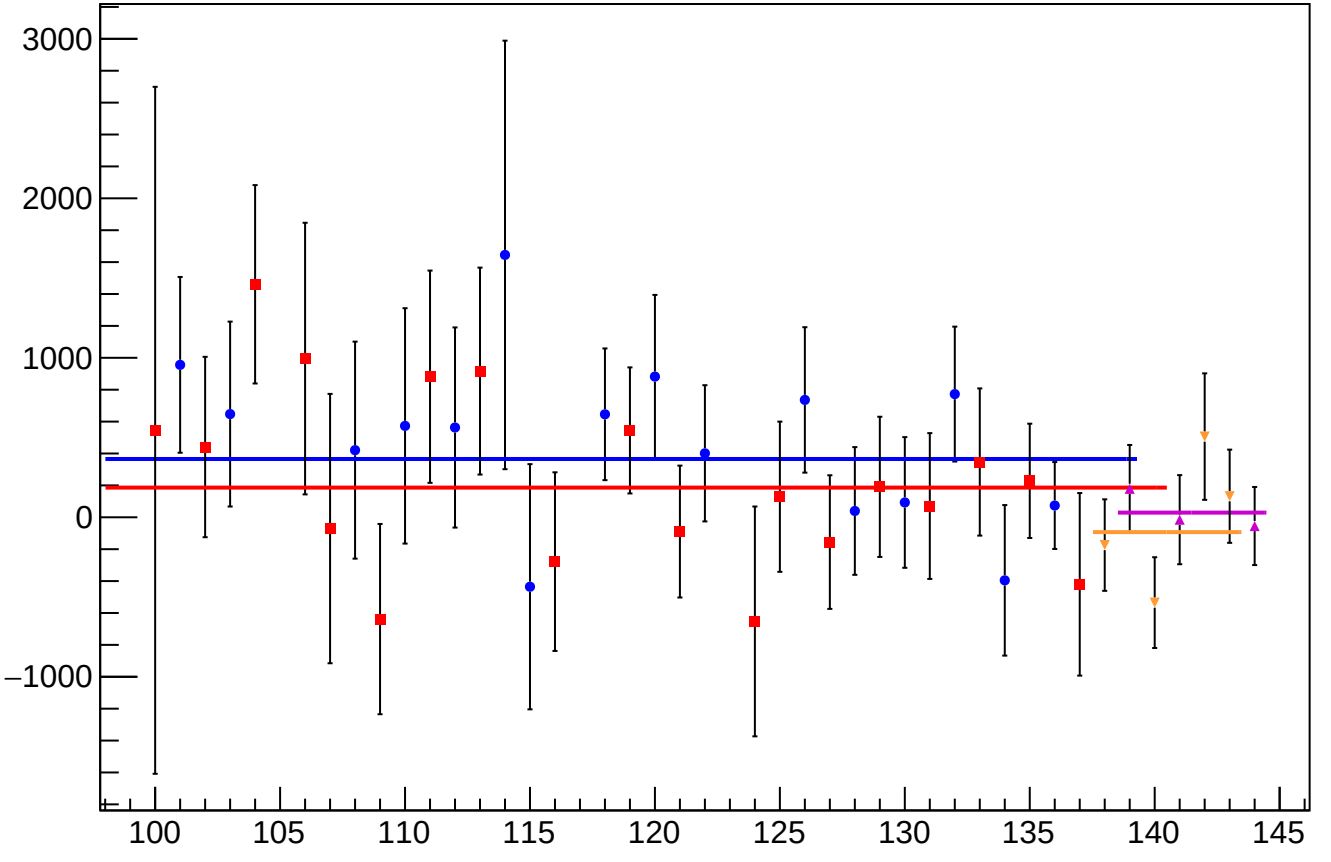
In: 0.000+/-0.000 χ^2/NDF:11.9/18

Out: -0.000+/-0.000 χ^2/NDF:8.2/22

All: -0.000+/-0.000 χ^2/NDF: 21.2/41


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:36085.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:545818.4/2
Left: 0.000+/-0.000 χ²/NDF: 759409.8/6
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5075745.2/18
Out: 0.000+/-0.000 χ²/NDF:4641328.9/22
All: 0.000+/-0.000 χ²/NDF: 9859074.4/41

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: 29.351+/-153.001 χ^2/NDF:0.4/2

Left: -31.719+/-108.278 χ^2/NDF: 6.1/6

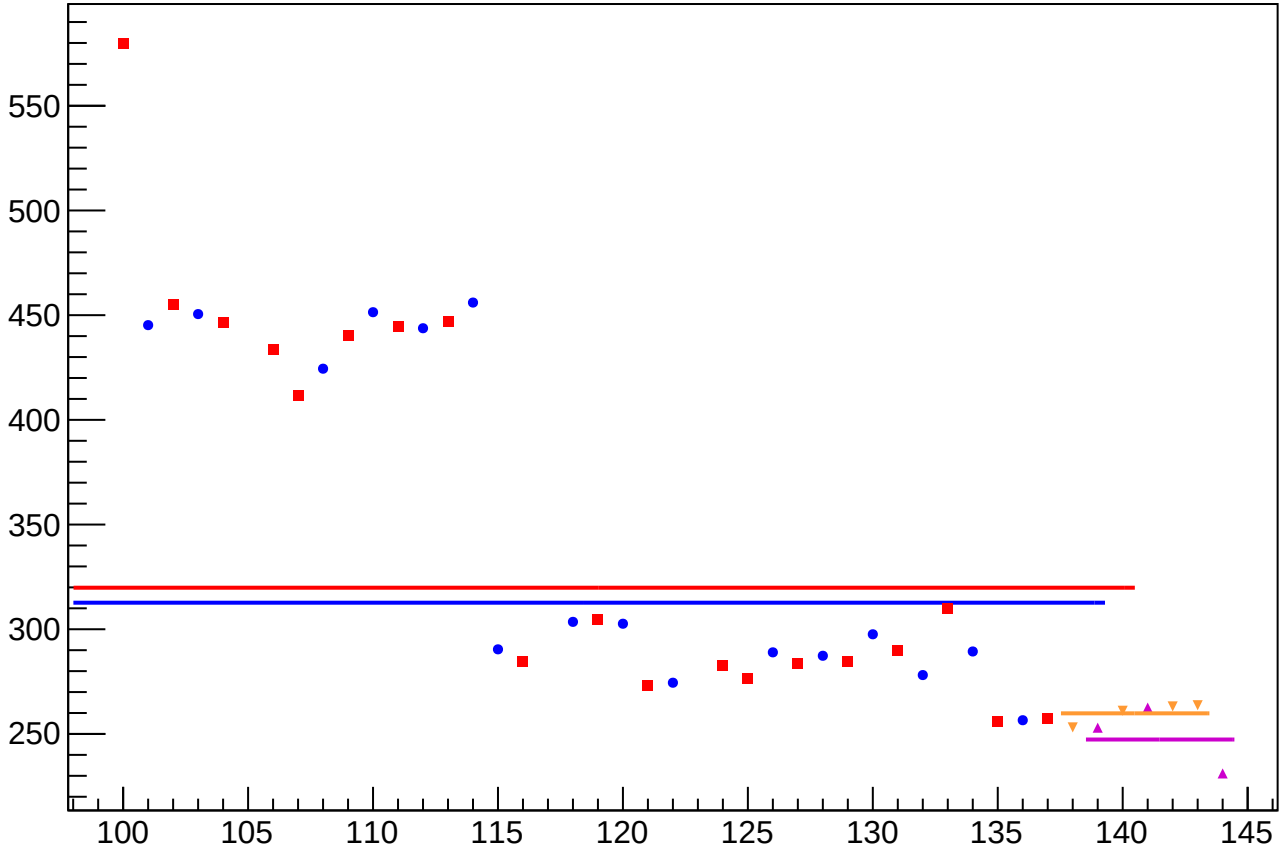
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 238.992+/-93.871 χ^2/NDF:14.9/18

Out: 79.844+/-94.574 χ^2/NDF:22.4/22

All: 160.012+/-66.624 χ^2/NDF: 38.8/41

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

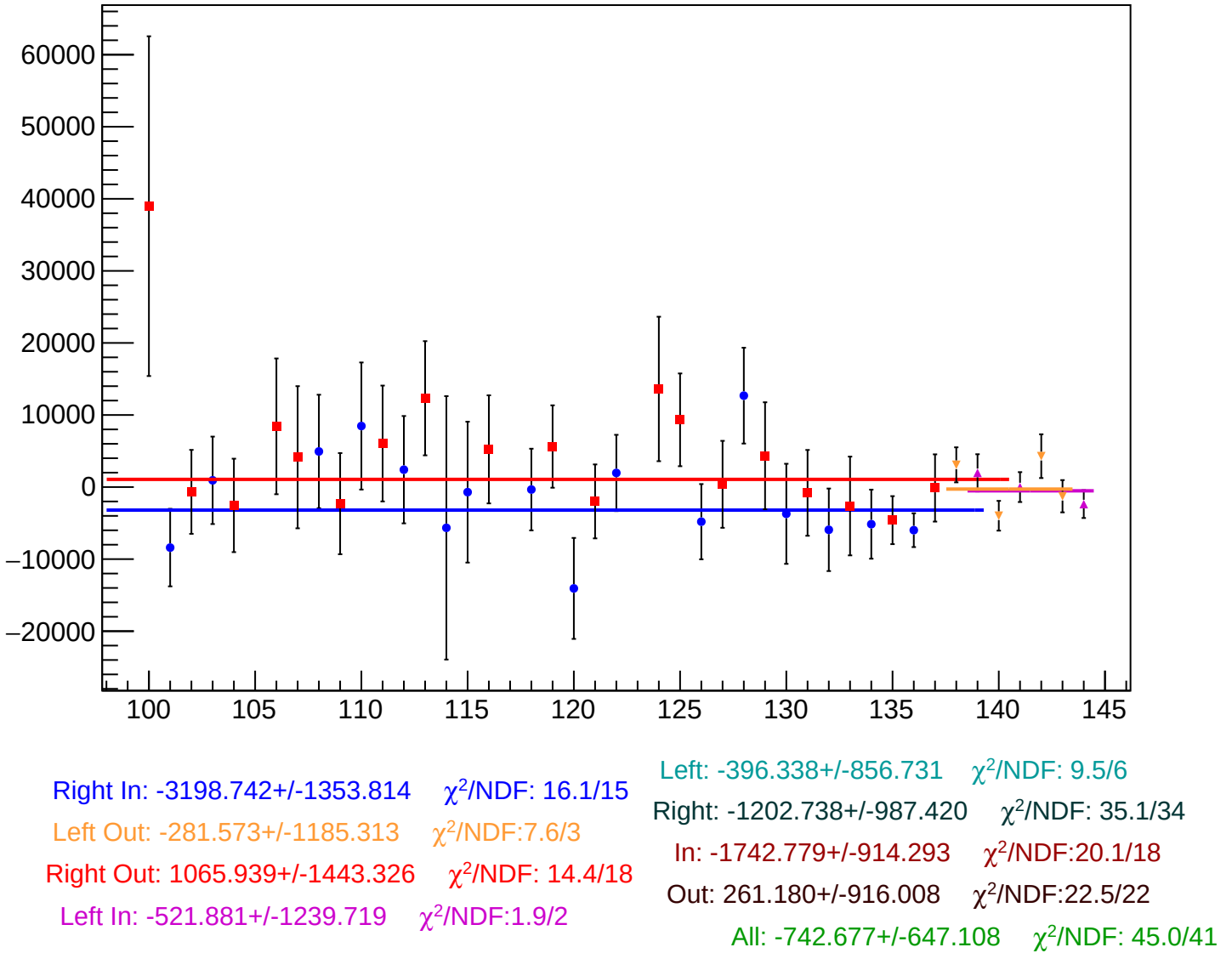
Left: 253.577+/-0.077 χ^2/NDF: 23851.2/6

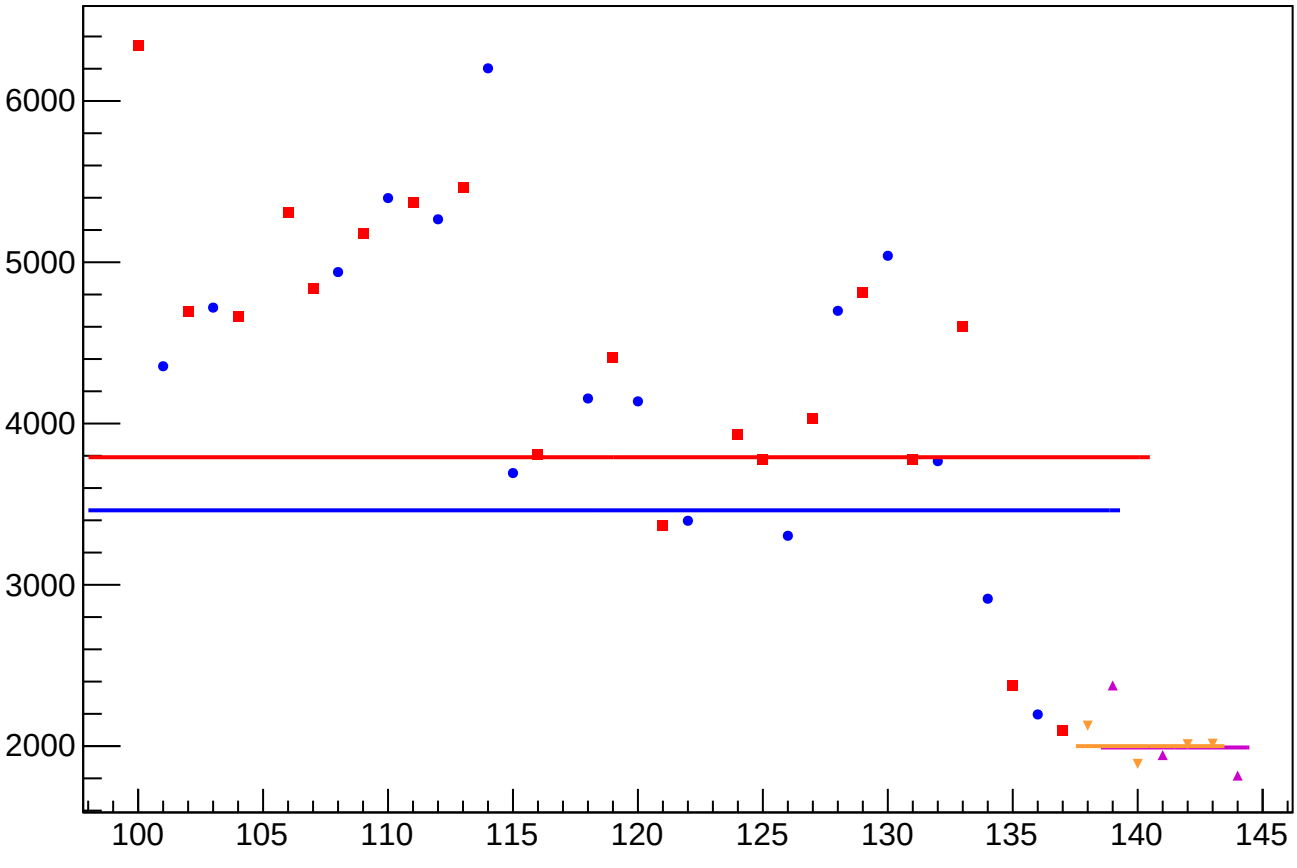
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 288.085+/-0.066 χ^2/NDF:845266.2/18

Out: 296.991+/-0.067 χ^2/NDF:889325.5/22

All: 292.505+/-0.047 χ^2/NDF: 1743525.6/41


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -281.573+/-1185.313 χ²/NDF:7.6/3
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: -521.881+/-1239.719 χ²/NDF:1.9/2
Left: -396.338+/-856.731 χ²/NDF: 9.5/6
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -1742.779+/-914.293 χ²/NDF:20.1/18
Out: 261.180+/-916.008 χ²/NDF:22.5/22
All: -742.677+/-647.108 χ²/NDF: 45.0/41



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11245.6/3

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 1991.455+/-0.877 χ^2/NDF:61681.2/2

Left: 1995.774+/-0.606 χ^2/NDF: 72973.2/6

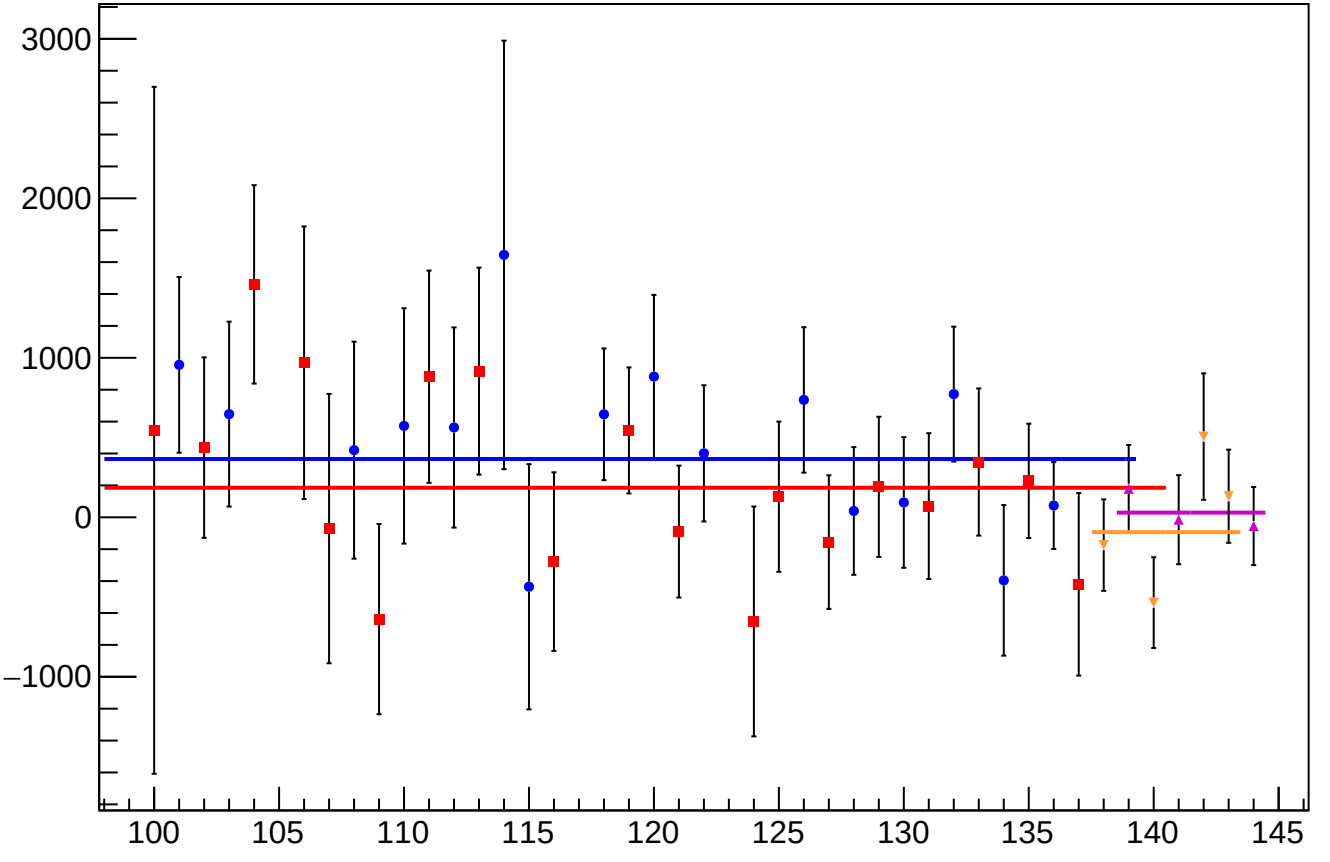
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2662.127+/-0.647 χ^2/NDF:2654627.3/18

Out: 2721.300+/-0.648 χ^2/NDF:3007182.5/22

All: 2691.658+/-0.458 χ^2/NDF: 5665990.5/41

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 29.377+/-153.001 χ^2/NDF:0.4/2

Left: -31.706+/-108.278 χ^2/NDF: 6.1/6

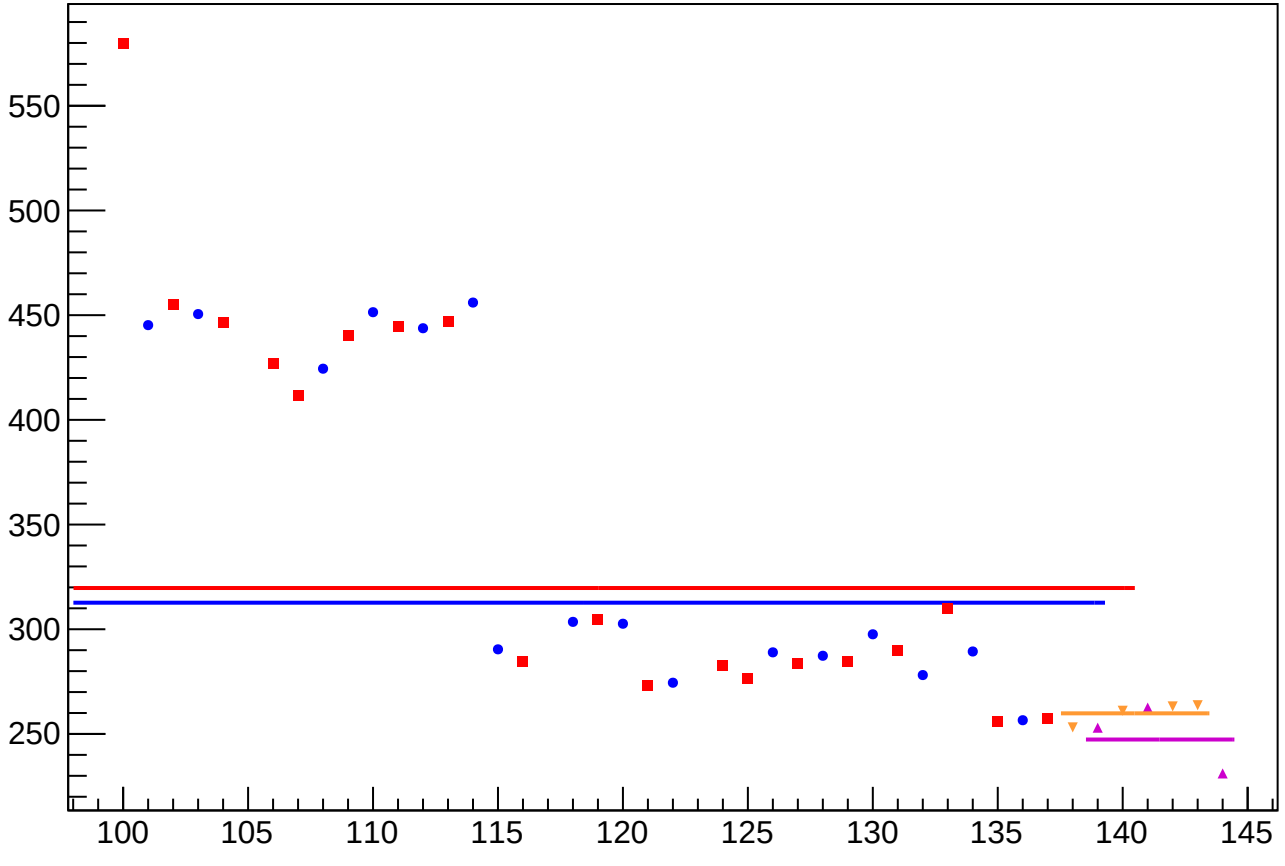
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 238.991+/-93.871 χ^2/NDF:14.9/18

Out: 79.330+/-94.579 χ^2/NDF:22.3/22

All: 159.761+/-66.626 χ^2/NDF: 38.7/41

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

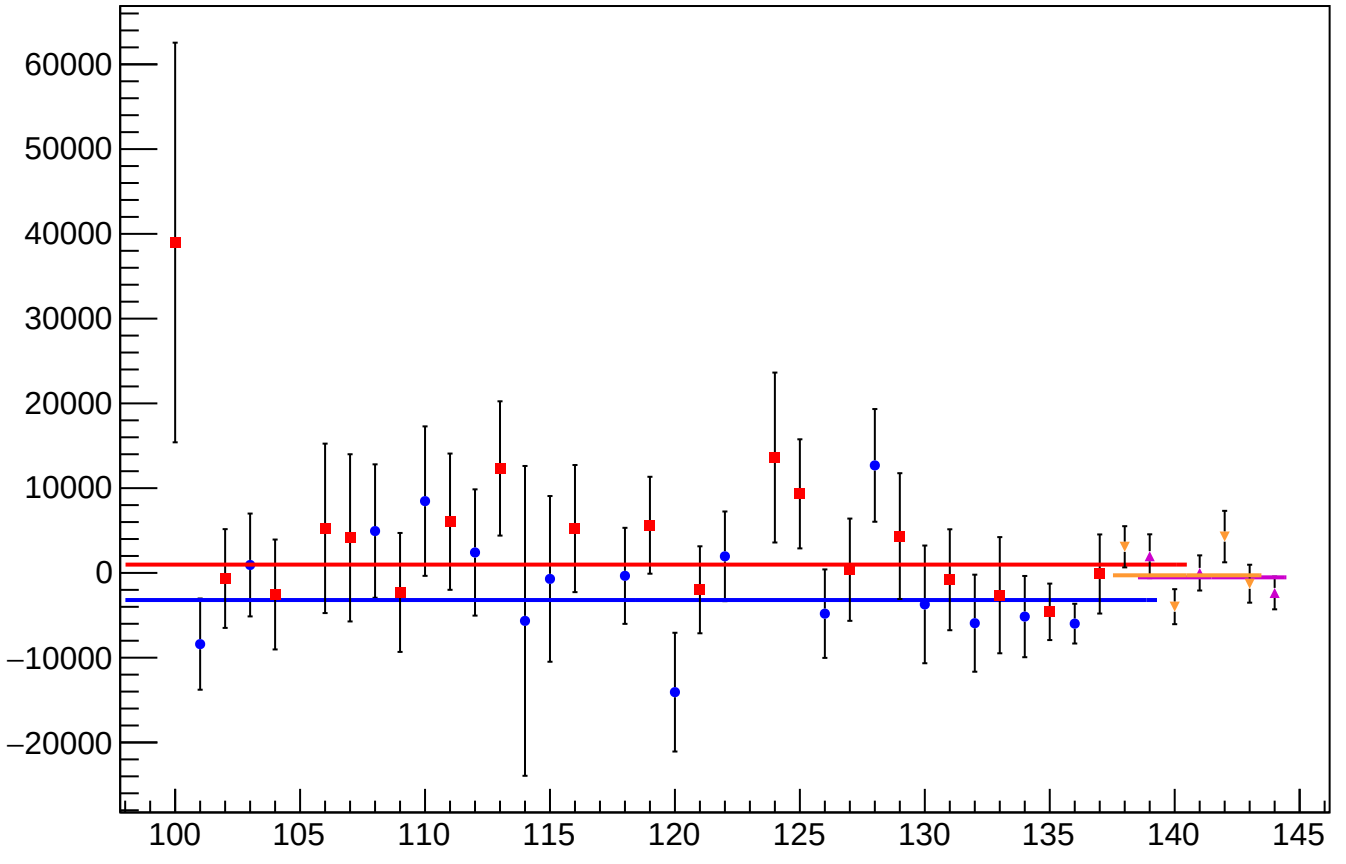
Left: 253.577+/-0.077 χ^2/NDF: 23851.2/6

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 288.085+/-0.066 χ^2/NDF:845267.8/18

Out: 296.897+/-0.067 χ^2/NDF:884212.1/22

All: 292.458+/-0.047 χ^2/NDF: 1738225.0/41



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -281.574+/-1185.312 χ^2/NDF:7.6/3

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -521.827+/-1239.719 χ^2/NDF:1.9/2

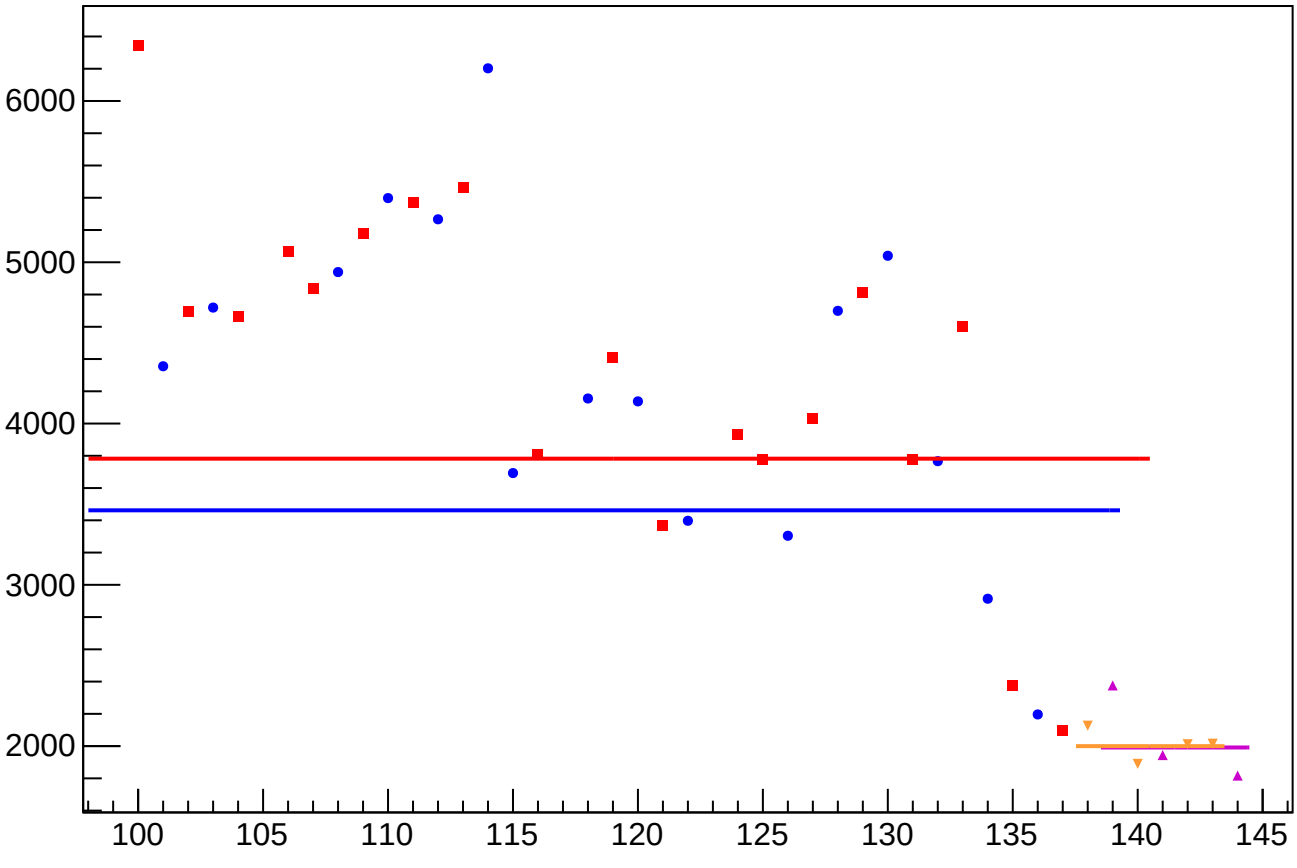
Left: -396.313+/-856.731 χ^2/NDF: 9.5/6

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1742.715+/-914.294 χ^2/NDF:20.1/18

Out: 226.127+/-916.503 χ^2/NDF:22.0/22

All: -760.669+/-647.283 χ^2/NDF: 44.4/41



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 1991.455+/-0.877 χ^2/NDF:61681.4/2

Left: 1995.774+/-0.606 χ^2/NDF: 72973.9/6

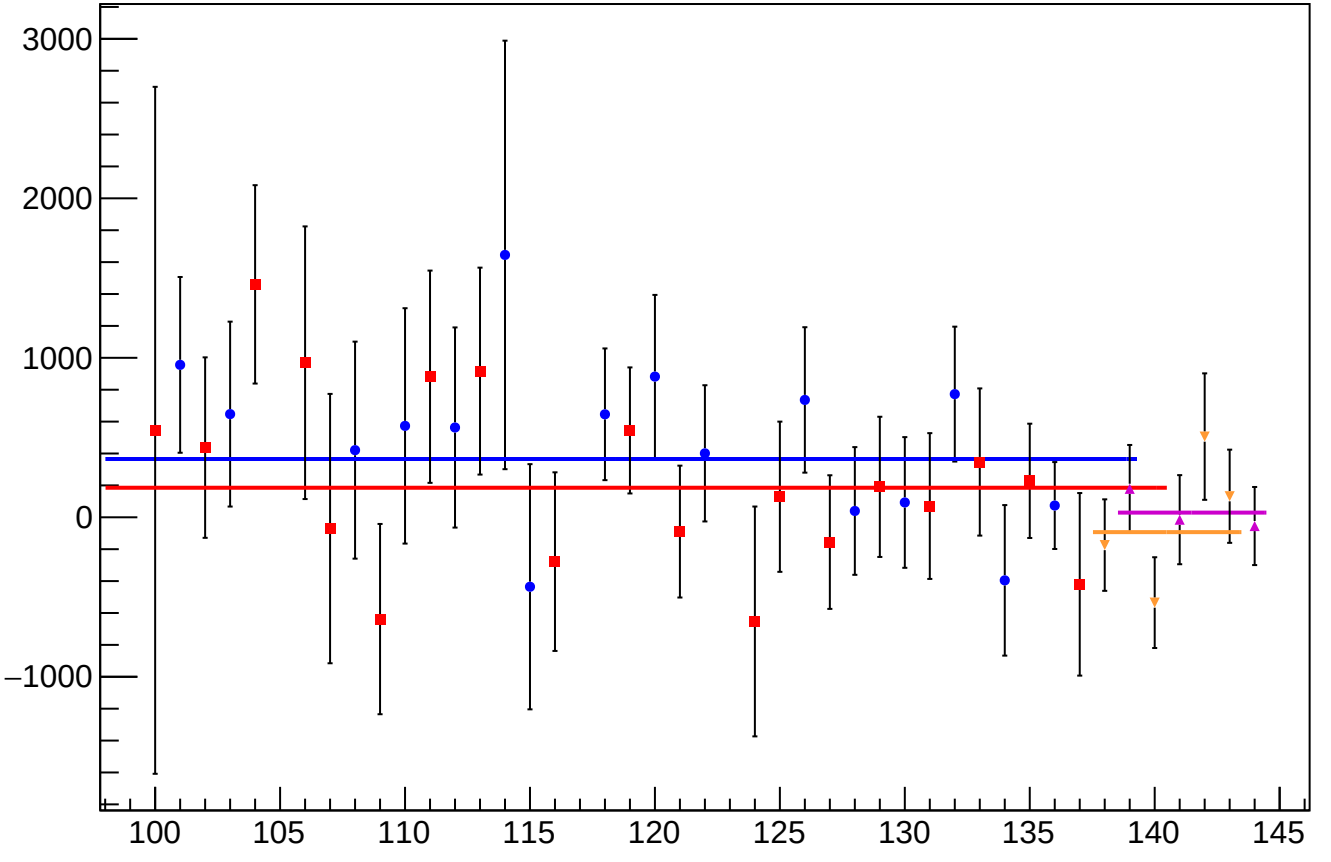
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2662.128+/-0.647 χ^2/NDF:2654648.2/18

Out: 2716.511+/-0.648 χ^2/NDF:2966343.8/22

All: 2689.254+/-0.458 χ^2/NDF: 5624521.6/41

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 29.377+/-153.001 χ^2/NDF:0.4/2

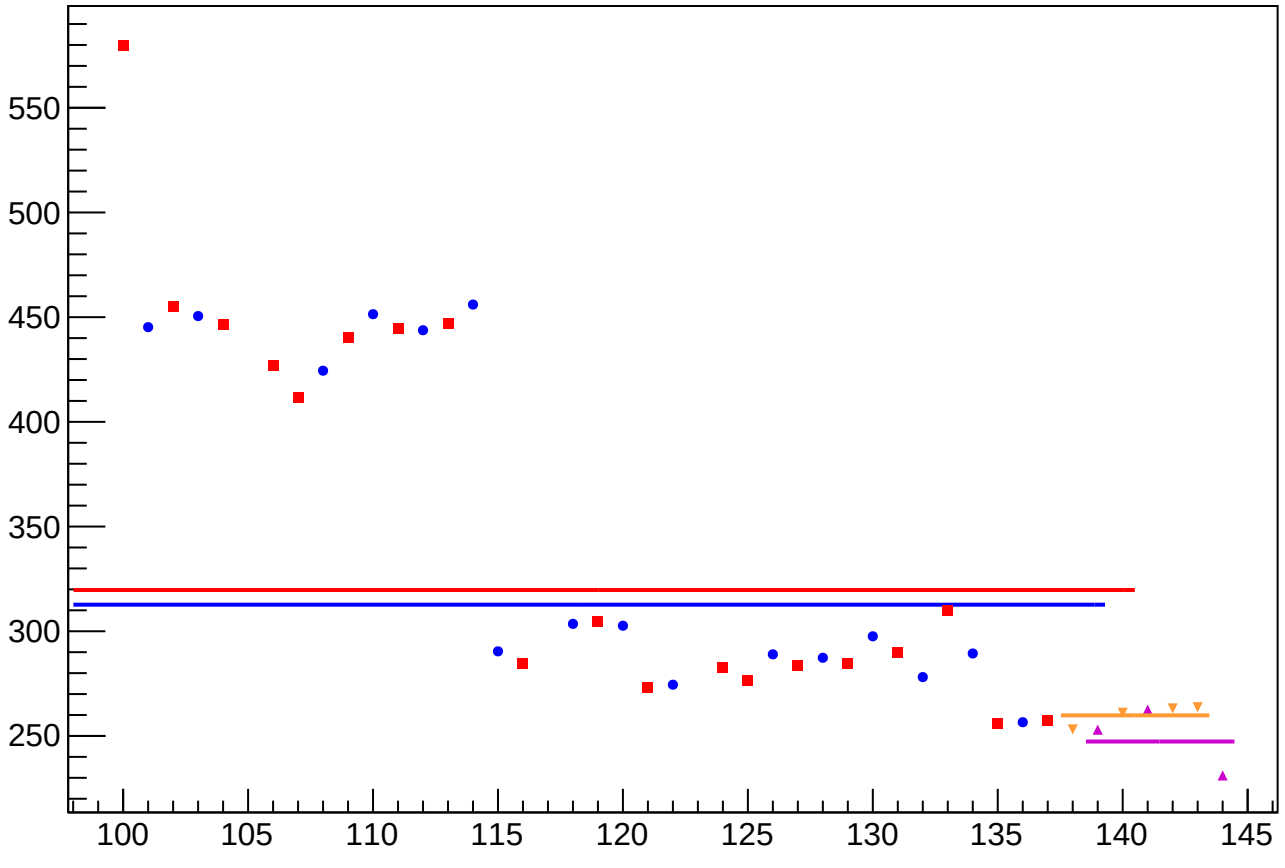
Left: -31.706+/-108.278 χ^2/NDF: 6.1/6

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 238.991+/-93.871 χ^2/NDF:14.9/18

Out: 79.330+/-94.579 χ^2/NDF:22.3/22

All: 159.761+/-66.626 χ^2/NDF: 38.7/41



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 247.337+/-0.108 χ^2/NDF:15562.3/2

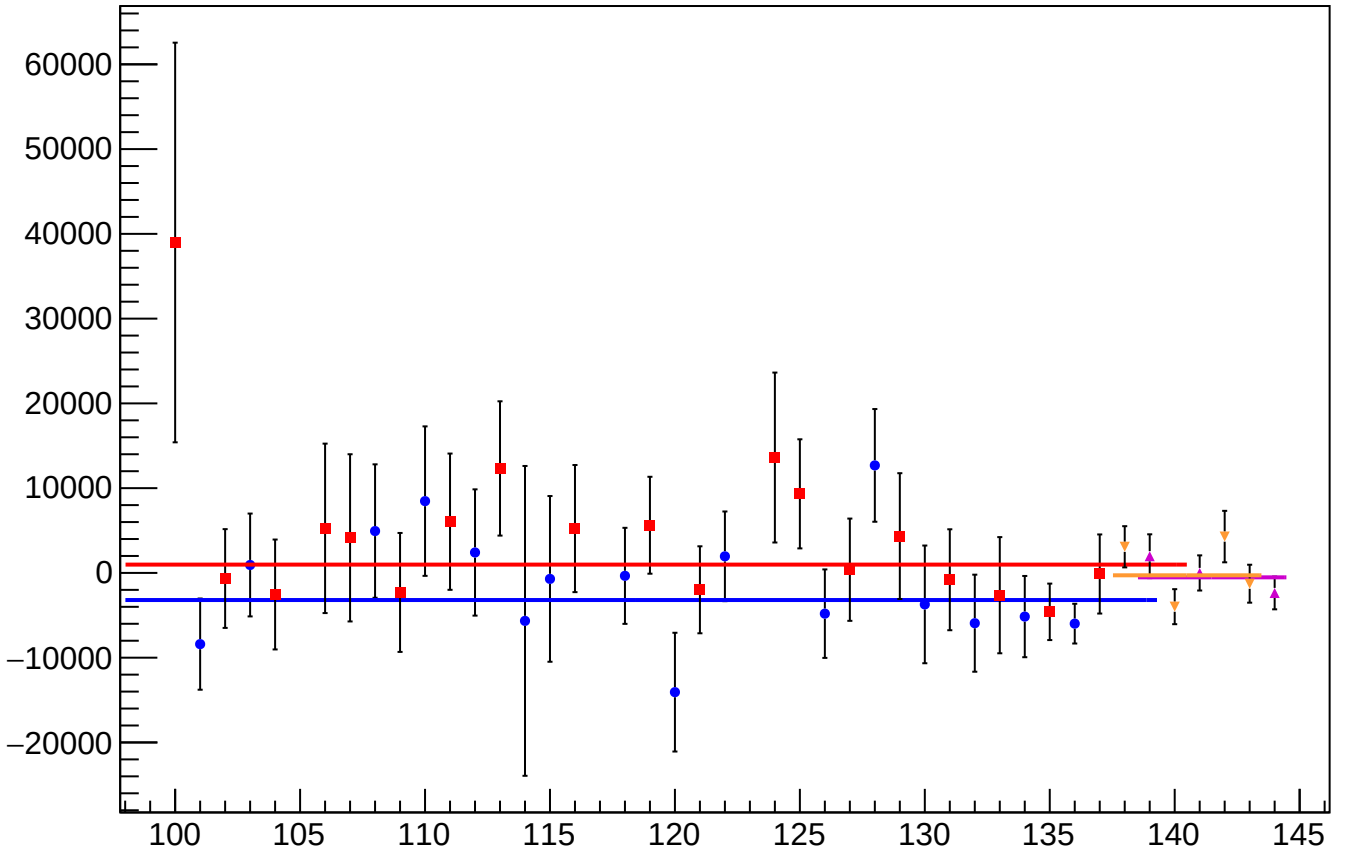
Left: 253.577+/-0.077 χ^2/NDF: 23851.2/6

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 288.085+/-0.066 χ^2/NDF:845267.8/18

Out: 296.897+/-0.067 χ^2/NDF:884212.1/22

All: 292.458+/-0.047 χ^2/NDF: 1738225.0/41



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -281.574+/-1185.312 χ^2/NDF:7.6/3

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -521.827+/-1239.719 χ^2/NDF:1.9/2

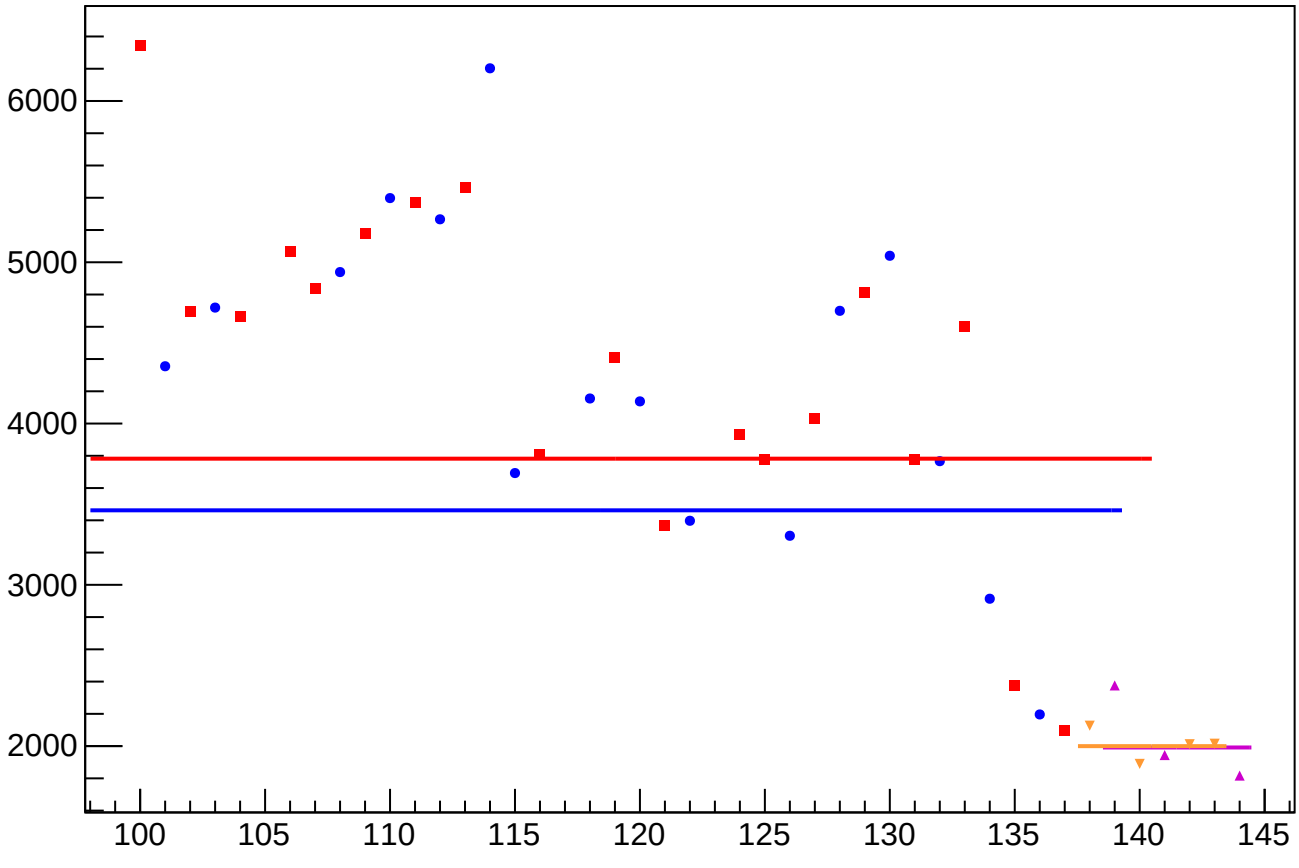
Left: -396.313+/-856.731 χ^2/NDF: 9.5/6

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1742.715+/-914.294 χ^2/NDF:20.1/18

Out: 226.127+/-916.503 χ^2/NDF:22.0/22

All: -760.669+/-647.283 χ^2/NDF: 44.4/41



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 1991.455+/-0.877 χ^2/NDF:61681.4/2

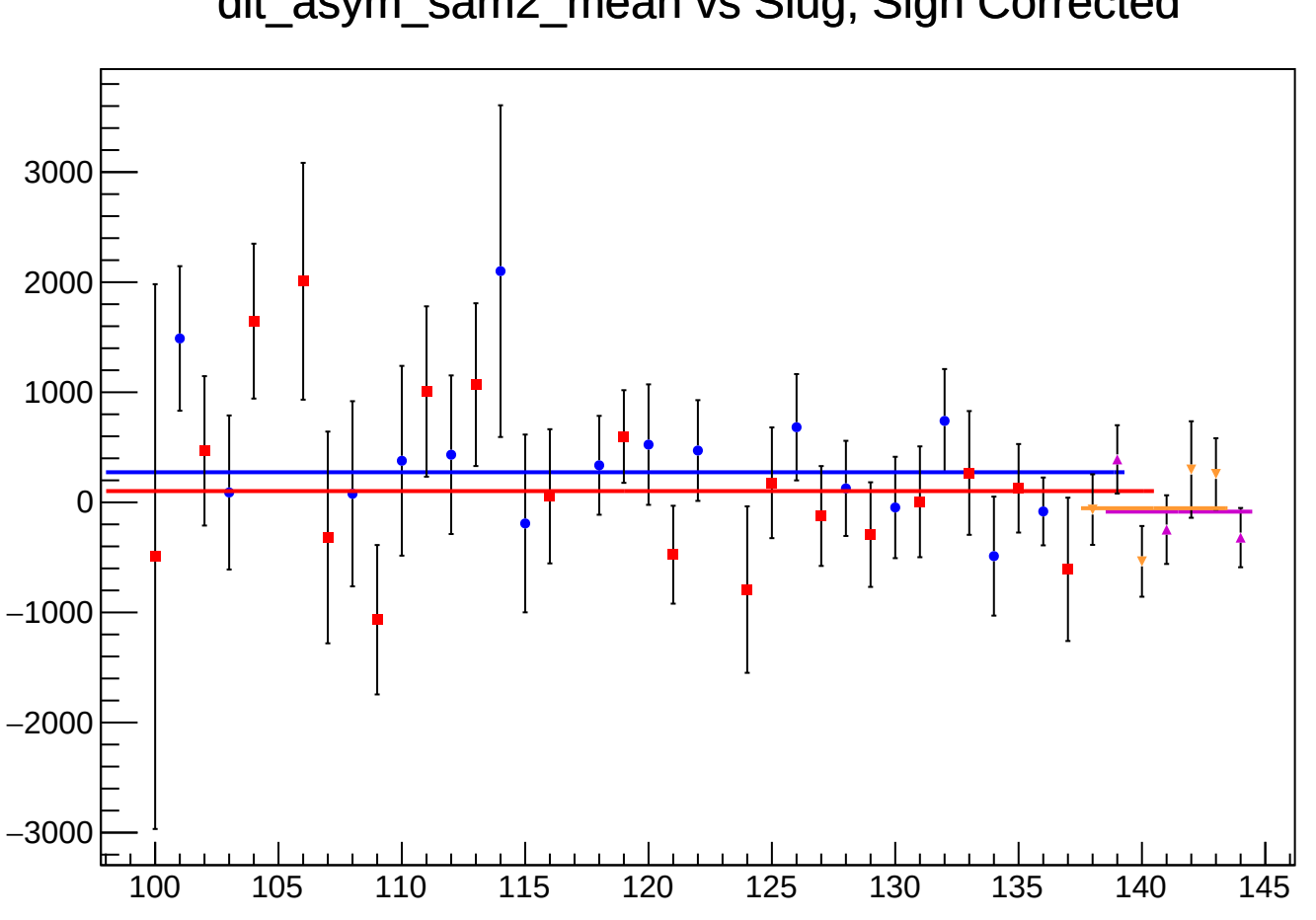
Left: 1995.774+/-0.606 χ^2/NDF: 72973.9/6

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2662.128+/-0.647 χ^2/NDF:2654648.2/18

Out: 2716.511+/-0.648 χ^2/NDF:2966343.8/22

All: 2689.254+/-0.458 χ^2/NDF: 5624521.6/41



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -53.258+/-171.099 χ^2/NDF:3.8/3

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -84.364+/-170.361 χ^2/NDF:3.4/2

Left: -68.878+/-120.724 χ^2/NDF: 7.2/6

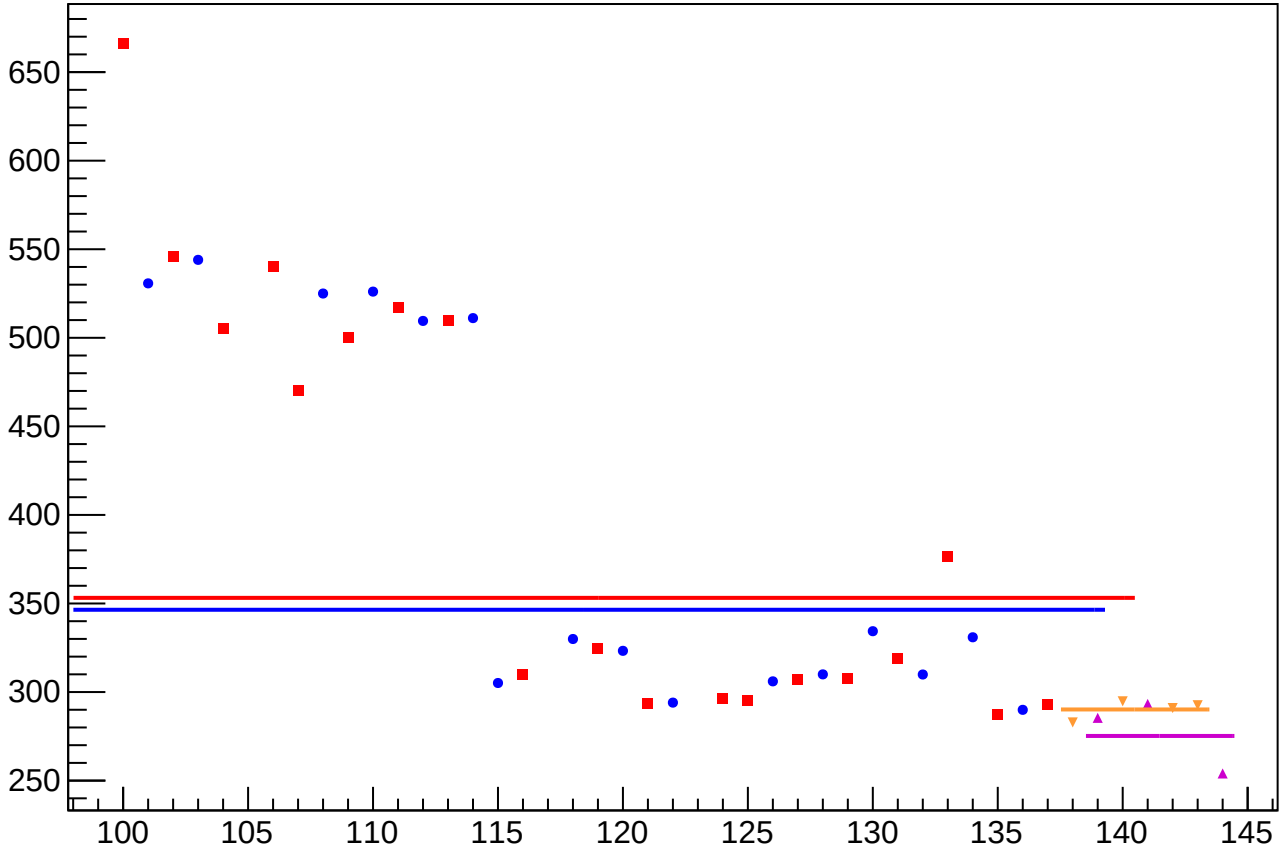
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 138.618+/-104.608 χ^2/NDF:17.6/18

Out: 43.420+/-105.304 χ^2/NDF:25.6/22

All: 91.334+/-74.214 χ^2/NDF: 43.6/41

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.4/3

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 275.214+/-0.120 χ^2/NDF:21268.4/2

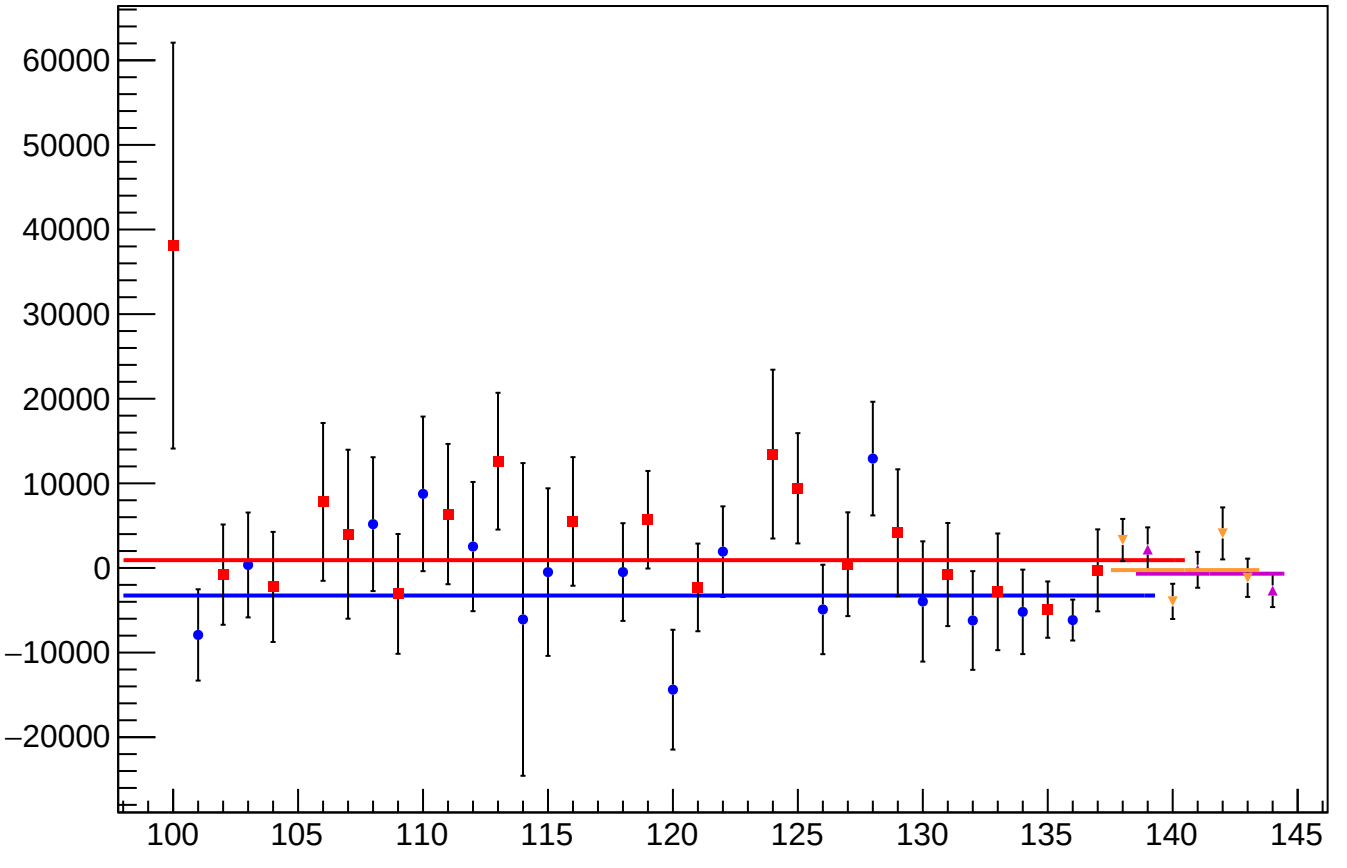
Left: 282.658+/-0.085 χ^2/NDF: 30507.4/6

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.594+/-0.074 χ^2/NDF:1007904.1/18

Out: 329.310+/-0.074 χ^2/NDF:1036432.5/22

All: 324.420+/-0.052 χ^2/NDF: 2052906.2/41



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -253.027+/-1200.890 χ^2/NDF:7.3/3

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -677.093+/-1259.631 χ^2/NDF:2.3/2

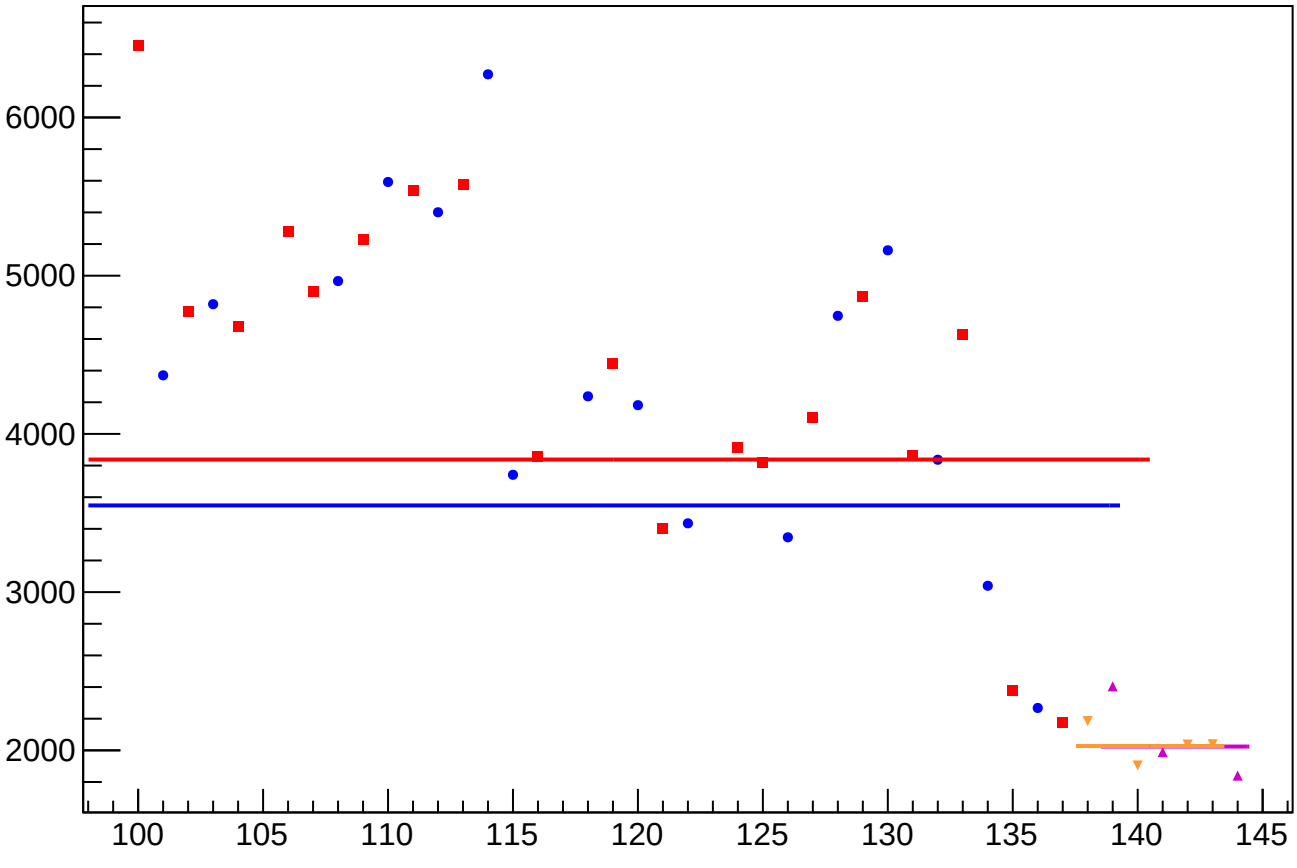
Left: -454.942+/-869.182 χ^2/NDF: 9.7/6

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1846.647+/-931.608 χ^2/NDF:20.2/18

Out: 220.535+/-927.645 χ^2/NDF:22.4/22

All: -808.650+/-657.341 χ^2/NDF: 45.0/41



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2027.348+/-0.849 χ^2/NDF:15055.1/3

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2023.972+/-0.891 χ^2/NDF:60571.1/2

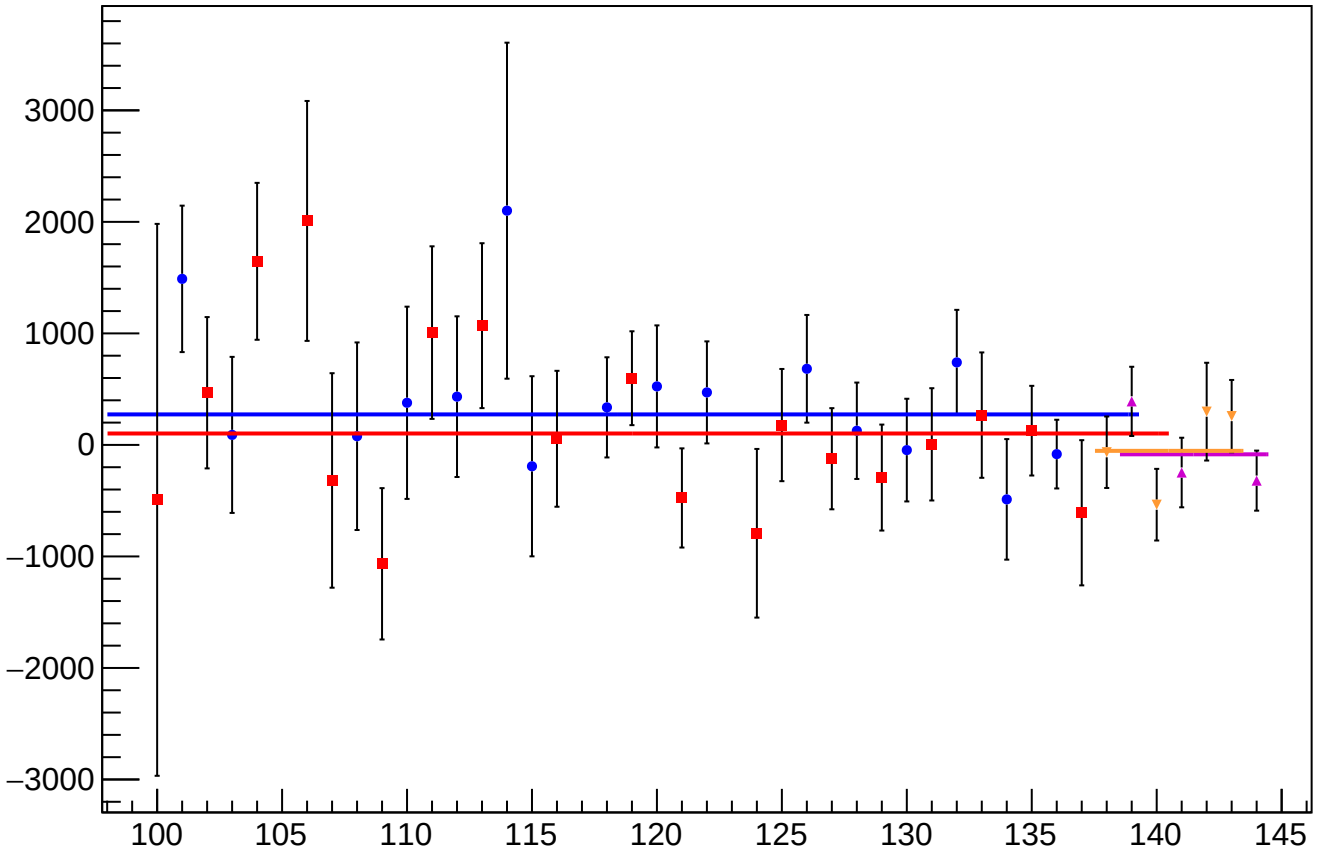
Left: 2025.740+/-0.615 χ^2/NDF: 75633.7/6

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2714.357+/-0.659 χ^2/NDF:2645287.9/18

Out: 2757.568+/-0.656 χ^2/NDF:3004488.1/22

All: 2736.054+/-0.465 χ^2/NDF: 5651936.6/41



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -53.264+/-171.099 χ^2/NDF:3.8/3

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -84.364+/-170.361 χ^2/NDF:3.4/2

Left: -68.881+/-120.724 χ^2/NDF: 7.2/6

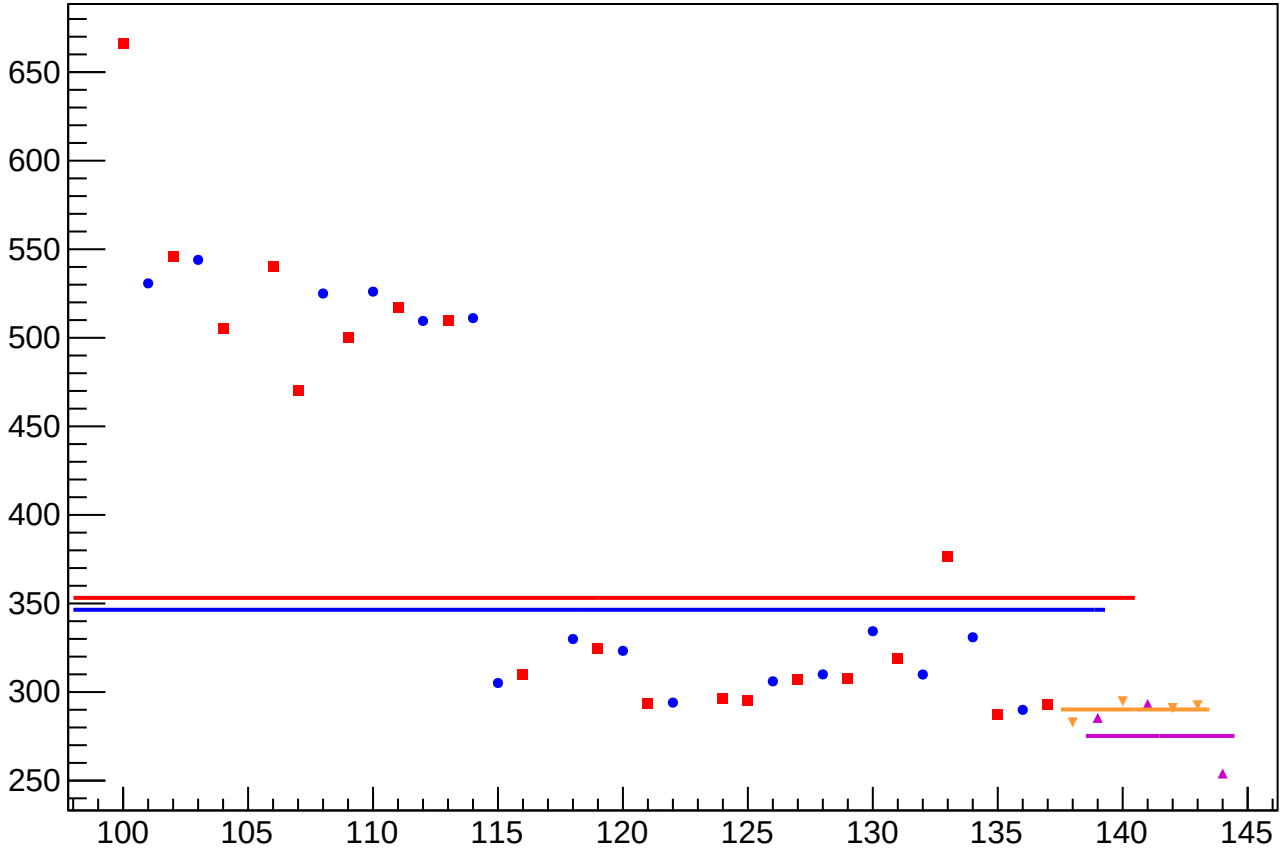
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 138.621+/-104.608 χ^2/NDF:17.6/18

Out: 43.417+/-105.304 χ^2/NDF:25.6/22

All: 91.335+/-74.214 χ^2/NDF: 43.6/41

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.7/3

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 275.214+/-0.120 χ^2/NDF:21268.3/2

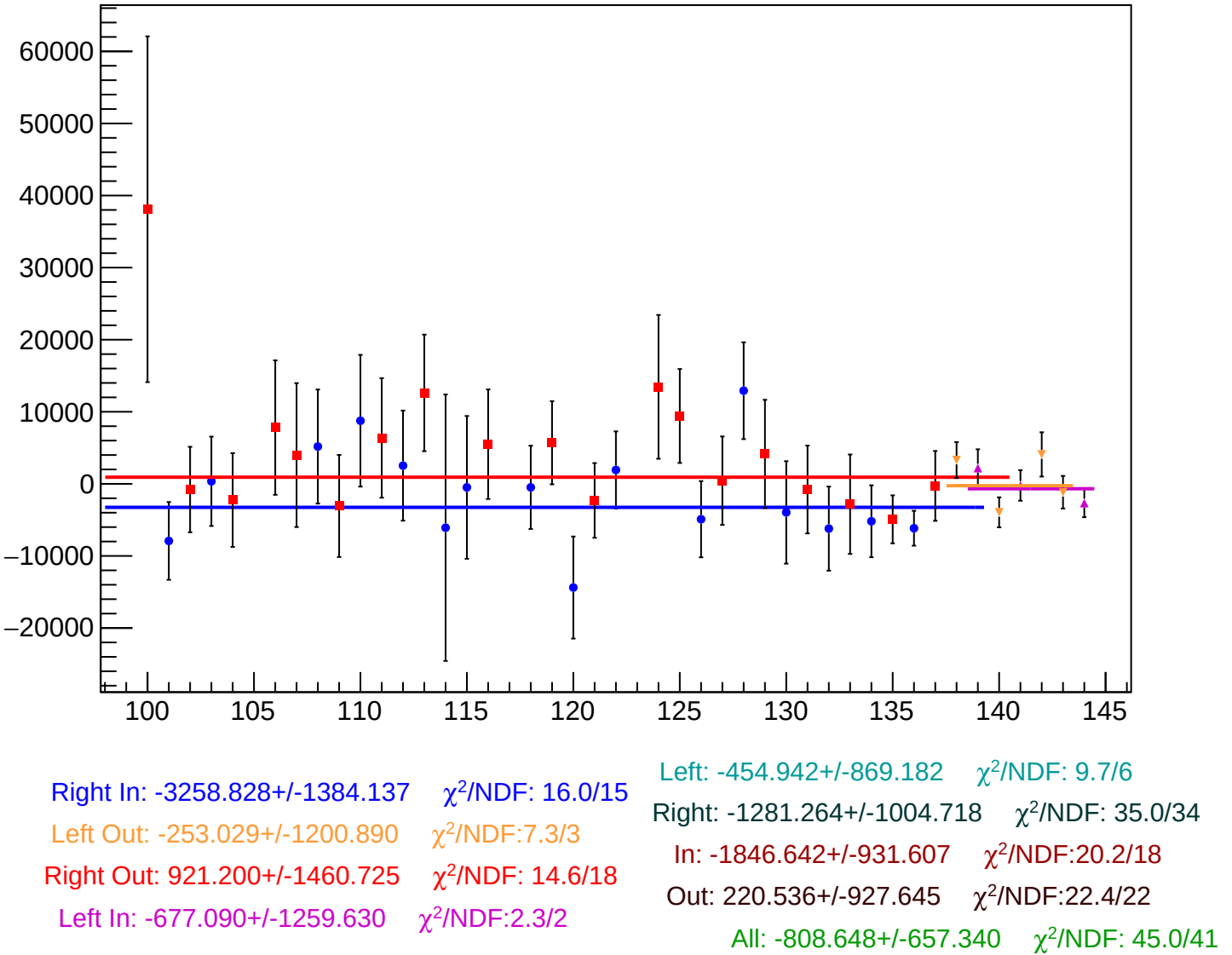
Left: 282.658+/-0.085 χ^2/NDF: 30507.4/6

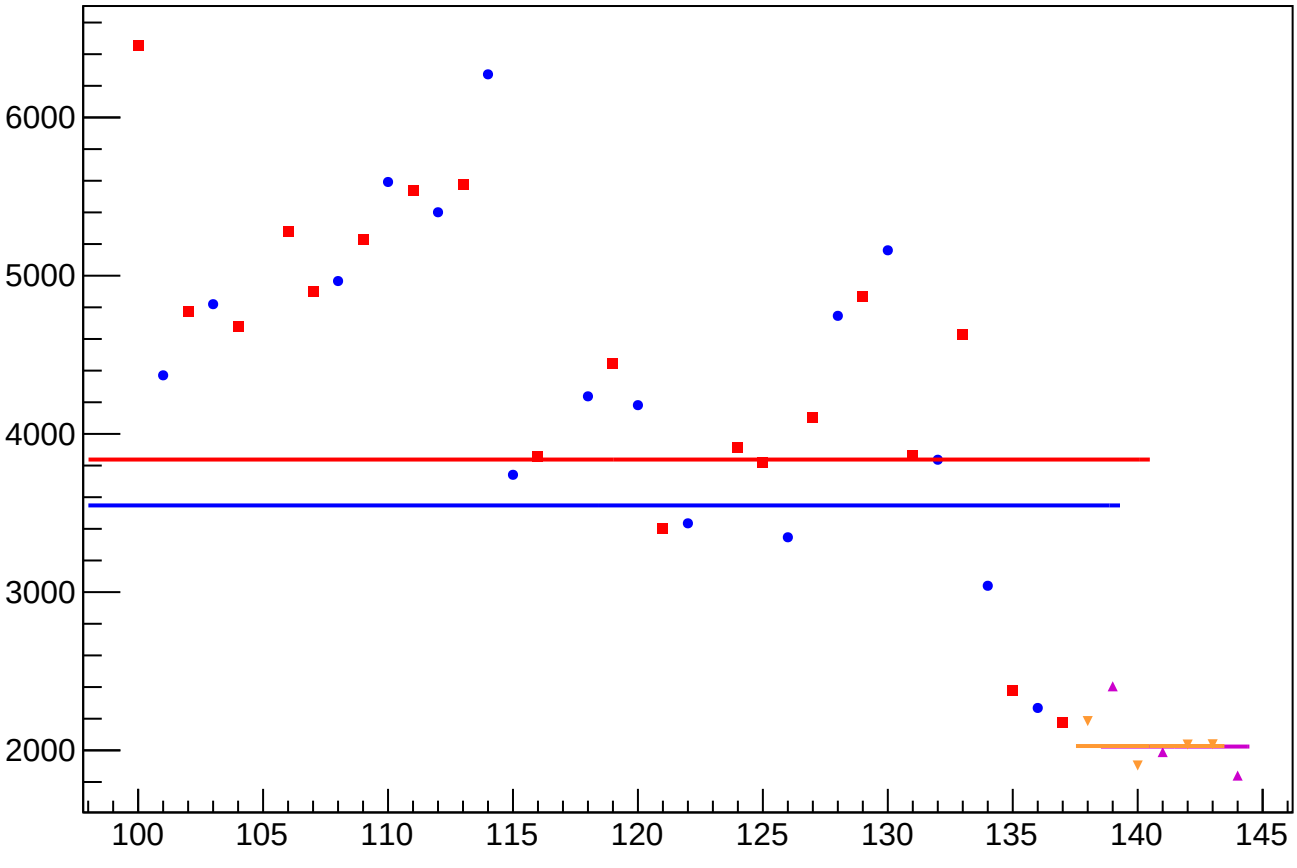
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.593+/-0.074 χ^2/NDF:1007883.9/18

Out: 329.309+/-0.074 χ^2/NDF:1036416.6/22

All: 324.419+/-0.052 χ^2/NDF: 2052870.7/41


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -253.029+/-1200.890 χ²/NDF:7.3/3
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -677.090+/-1259.630 χ²/NDF:2.3/2
Left: -454.942+/-869.182 χ²/NDF: 9.7/6
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1846.642+/-931.607 χ²/NDF:20.2/18
Out: 220.536+/-927.645 χ²/NDF:22.4/22
All: -808.648+/-657.340 χ²/NDF: 45.0/41



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2027.348+/-0.849 χ^2/NDF:15054.3/3

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2023.970+/-0.891 χ^2/NDF:60569.9/2

Left: 2025.739+/-0.615 χ^2/NDF: 75631.8/6

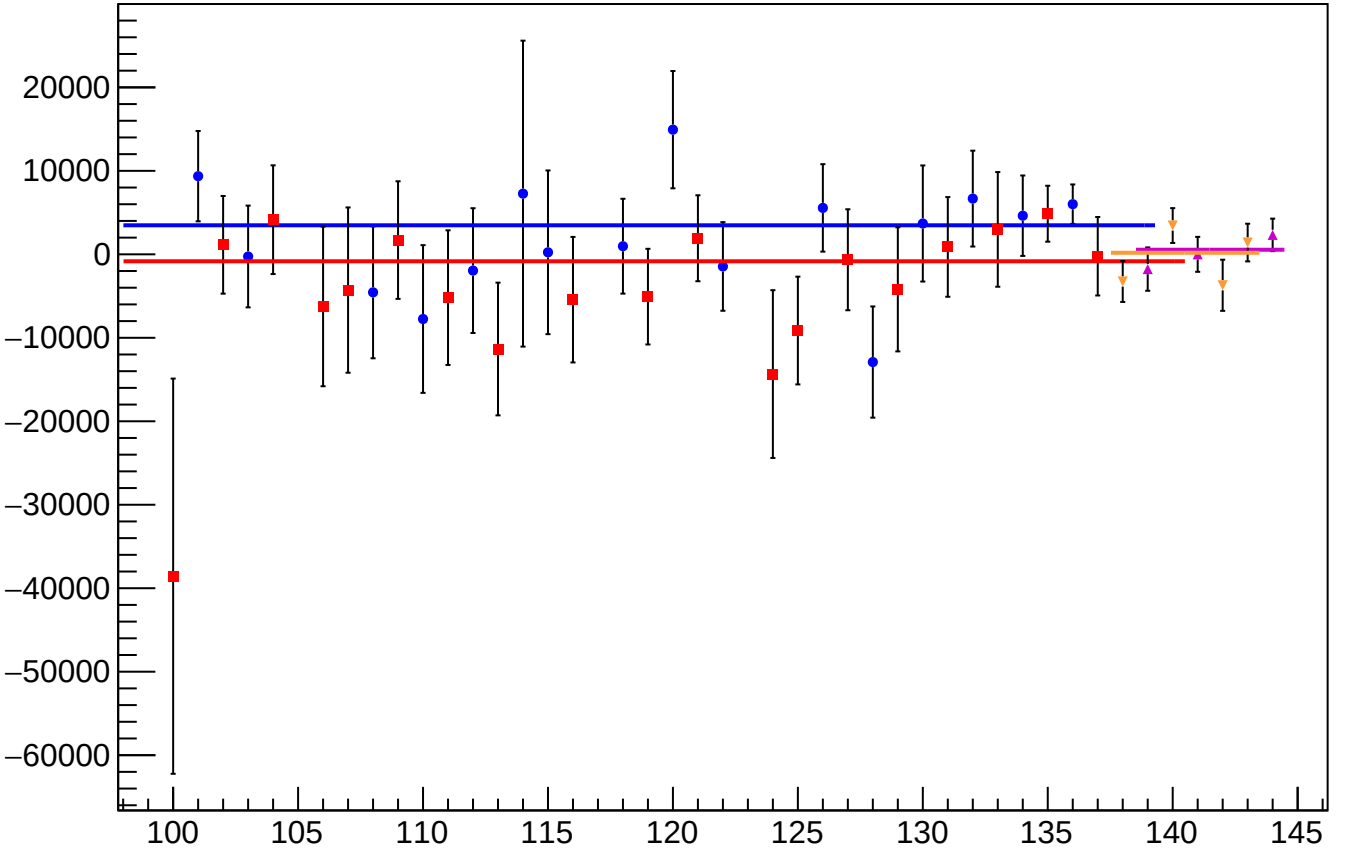
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2714.355+/-0.659 χ^2/NDF:2645273.2/18

Out: 2757.567+/-0.656 χ^2/NDF:3004471.7/22

All: 2736.053+/-0.465 χ^2/NDF: 5651905.6/41

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 186.542+/-1195.521 χ^2/NDF:6.3/3

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 549.972+/-1249.565 χ^2/NDF:1.7/2

Left: 360.228+/-863.835 χ^2/NDF: 8.1/6

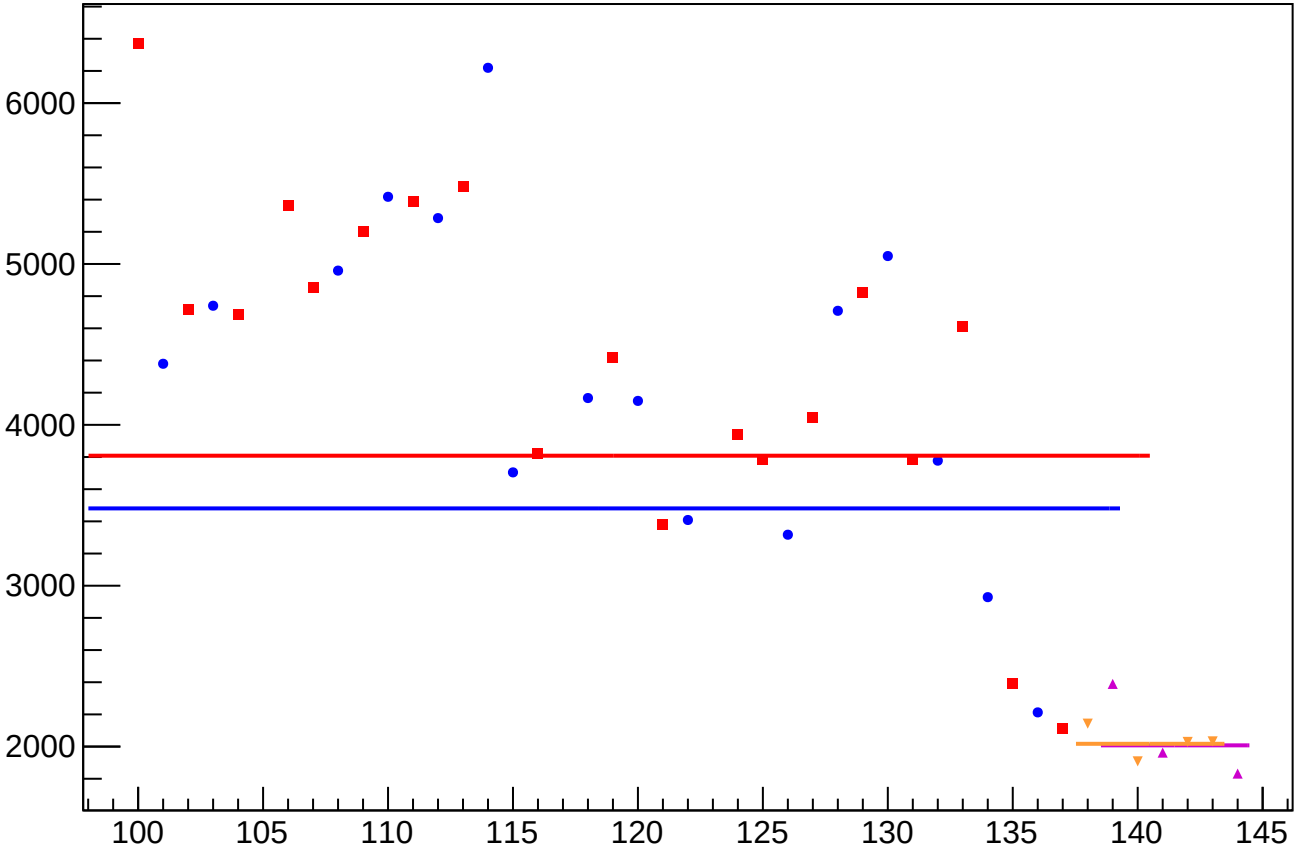
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1890.086+/-920.255 χ^2/NDF:20.5/18

Out: -226.006+/-922.330 χ^2/NDF:20.7/22

All: 834.423+/-651.451 χ^2/NDF: 43.8/41

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2017.241+/-0.845 χ^2/NDF:10837.5/3

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2007.626+/-0.884 χ^2/NDF:60439.5/2

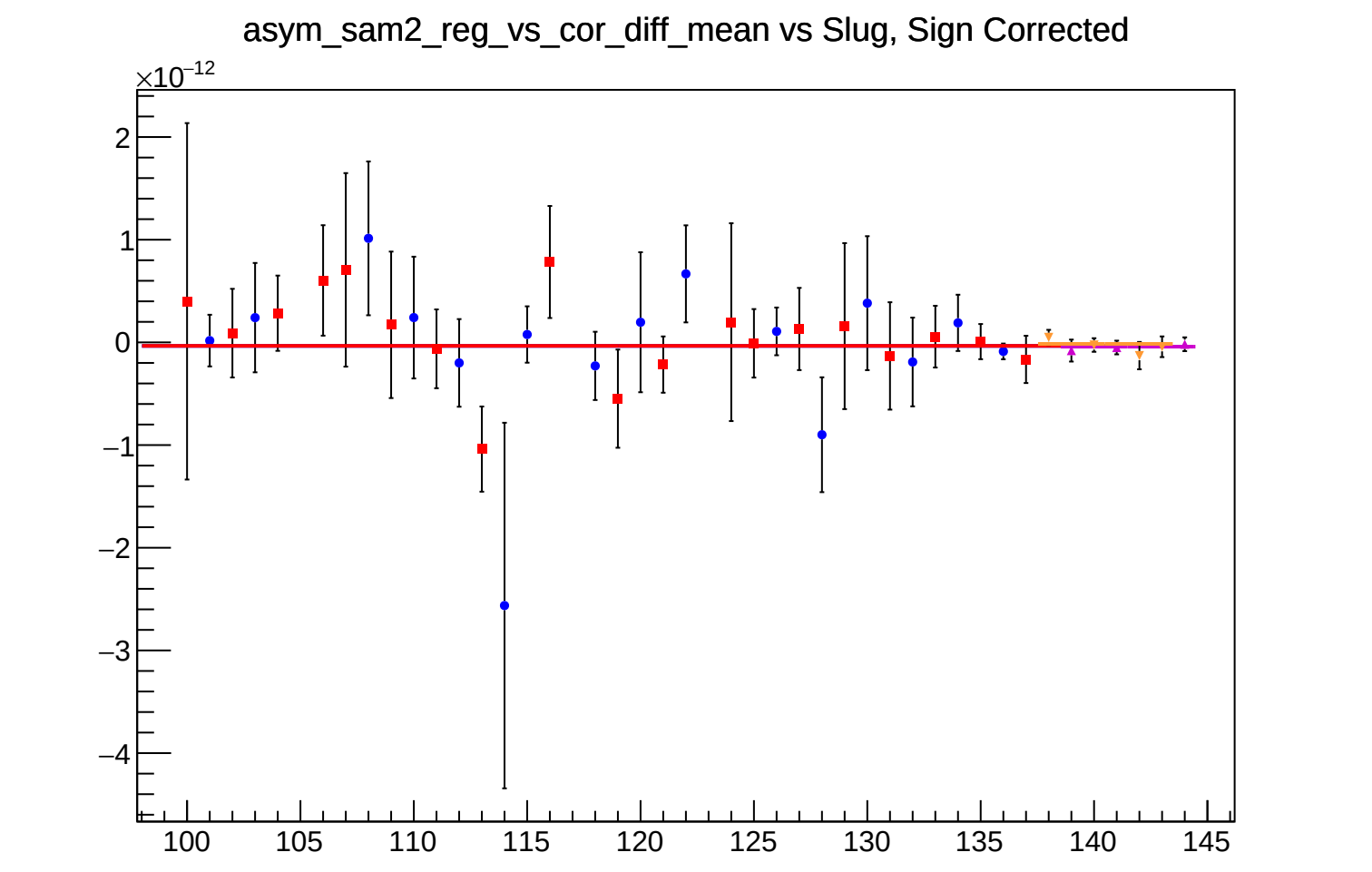
Left: 2012.646+/-0.611 χ^2/NDF: 71338.8/6

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2681.680+/-0.651 χ^2/NDF:2628794.3/18

Out: 2742.213+/-0.652 χ^2/NDF:2975215.7/22

All: 2711.878+/-0.461 χ^2/NDF: 5608327.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

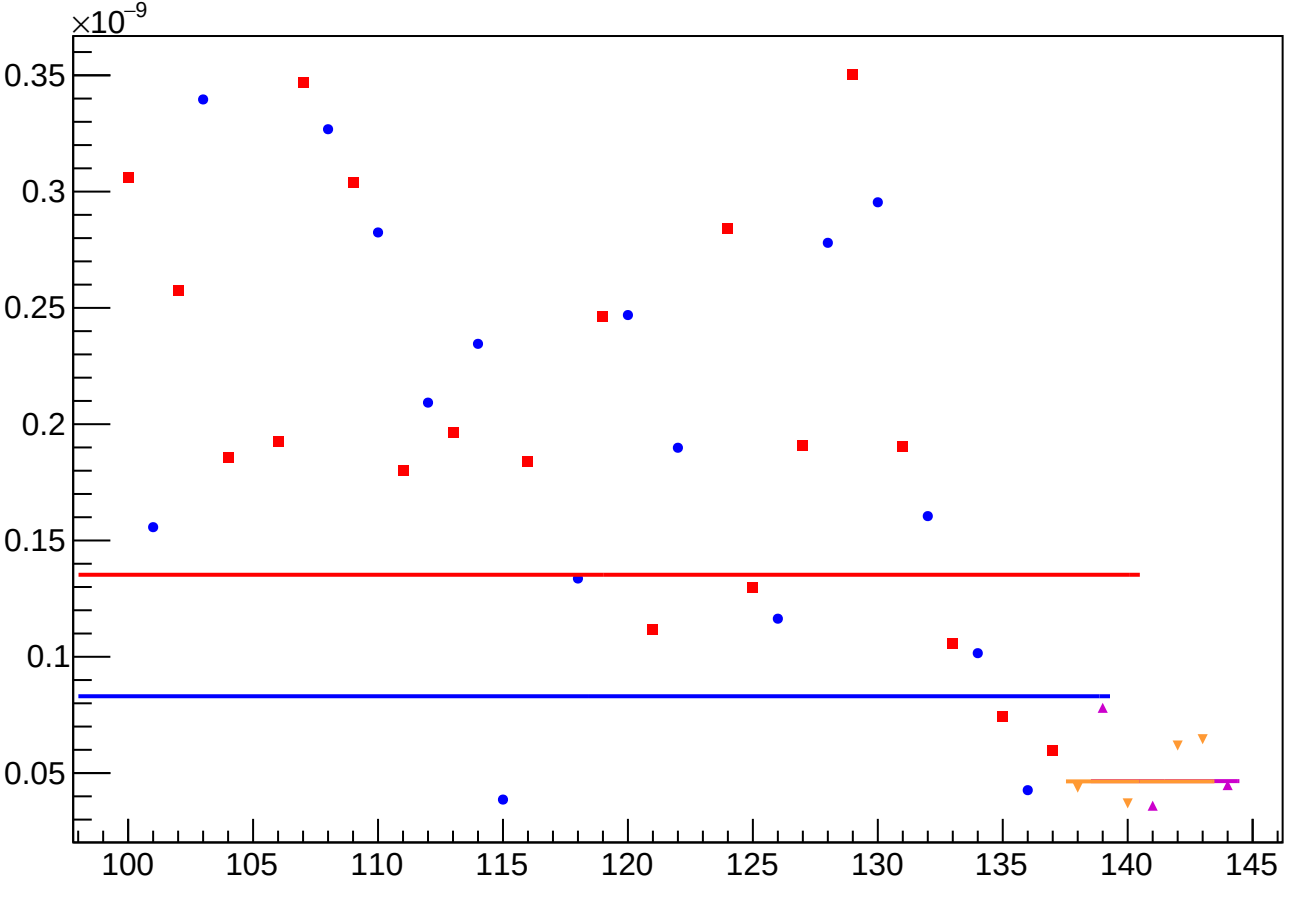
Left: -0.000+/-0.000 χ^2/NDF: 2.0/6

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:12.2/18

Out: -0.000+/-0.000 χ^2/NDF:15.1/22

All: -0.000+/-0.000 χ^2/NDF: 27.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:135141.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:225255.2/2

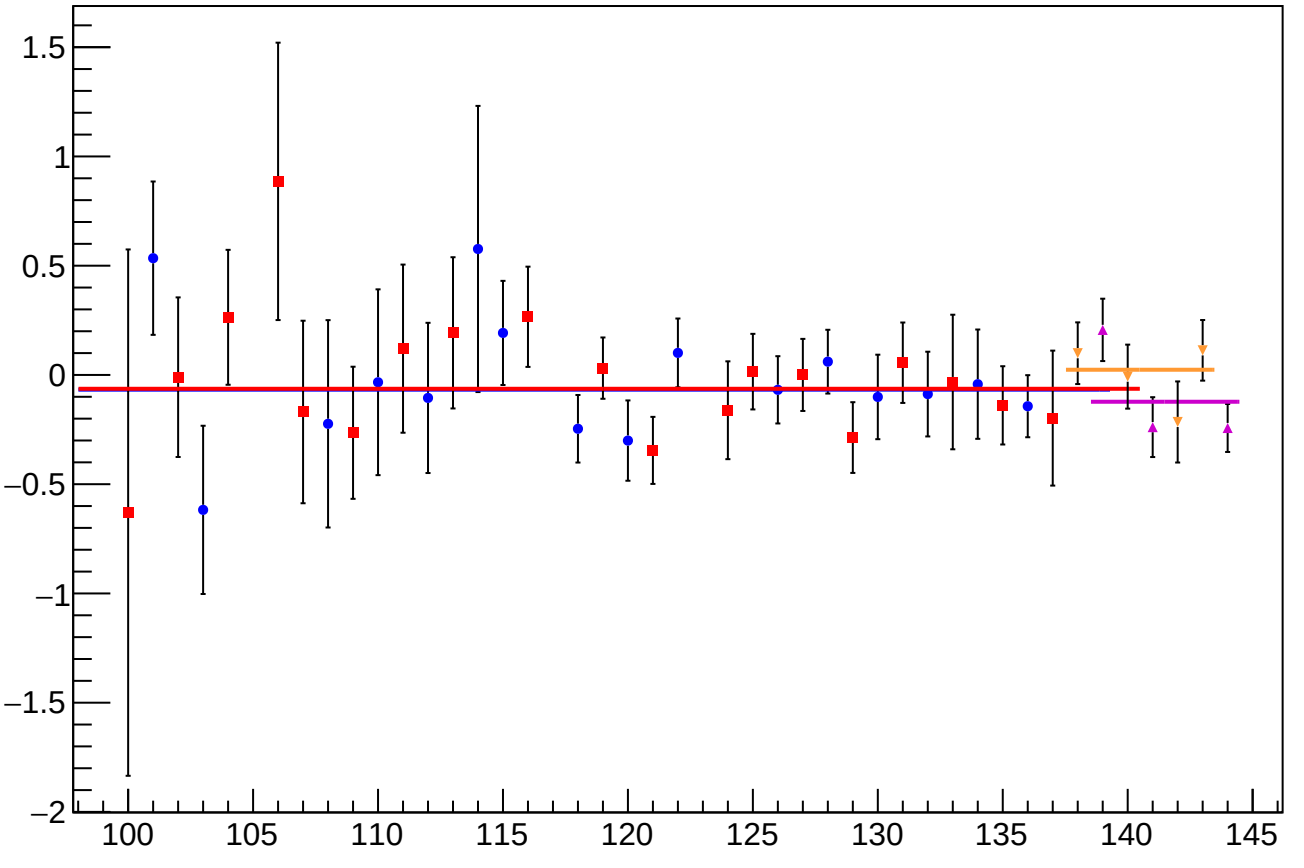
Left: 0.000+/-0.000 χ^2/NDF: 360404.0/6

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3408033.6/18

Out: 0.000+/-0.000 χ^2/NDF:3298207.7/22

All: 0.000+/-0.000 χ^2/NDF: 6725401.9/41



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.123+/-0.073 χ^2/NDF:7.2/2

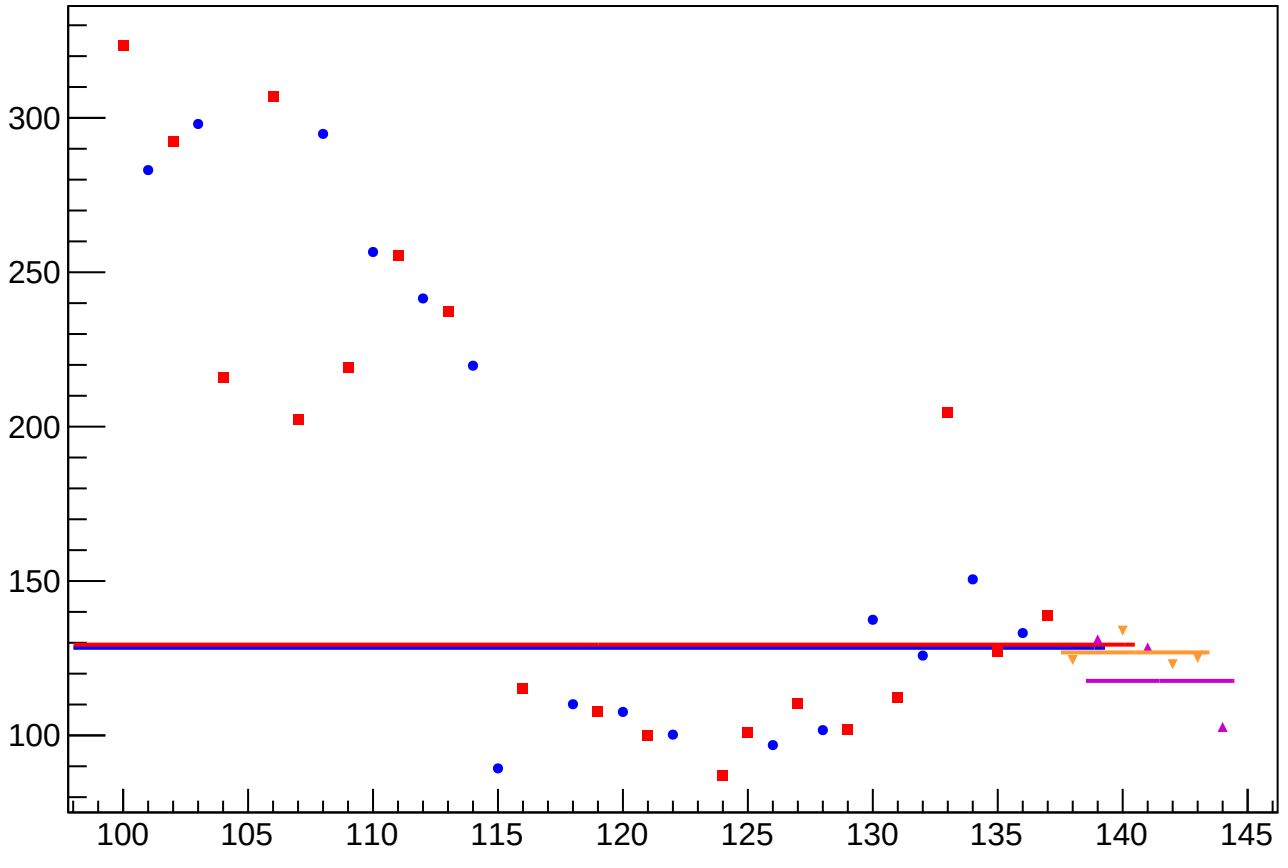
Left: -0.051+/-0.052 χ^2/NDF: 11.6/6

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.086+/-0.042 χ^2/NDF:20.1/18

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.061+/-0.030 χ^2/NDF: 38.1/41



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.877+/-0.053 χ^2/NDF:6433.2/3

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 117.662+/-0.052 χ^2/NDF:67129.7/2

Left: 122.174+/-0.037 χ^2/NDF: 88975.7/6

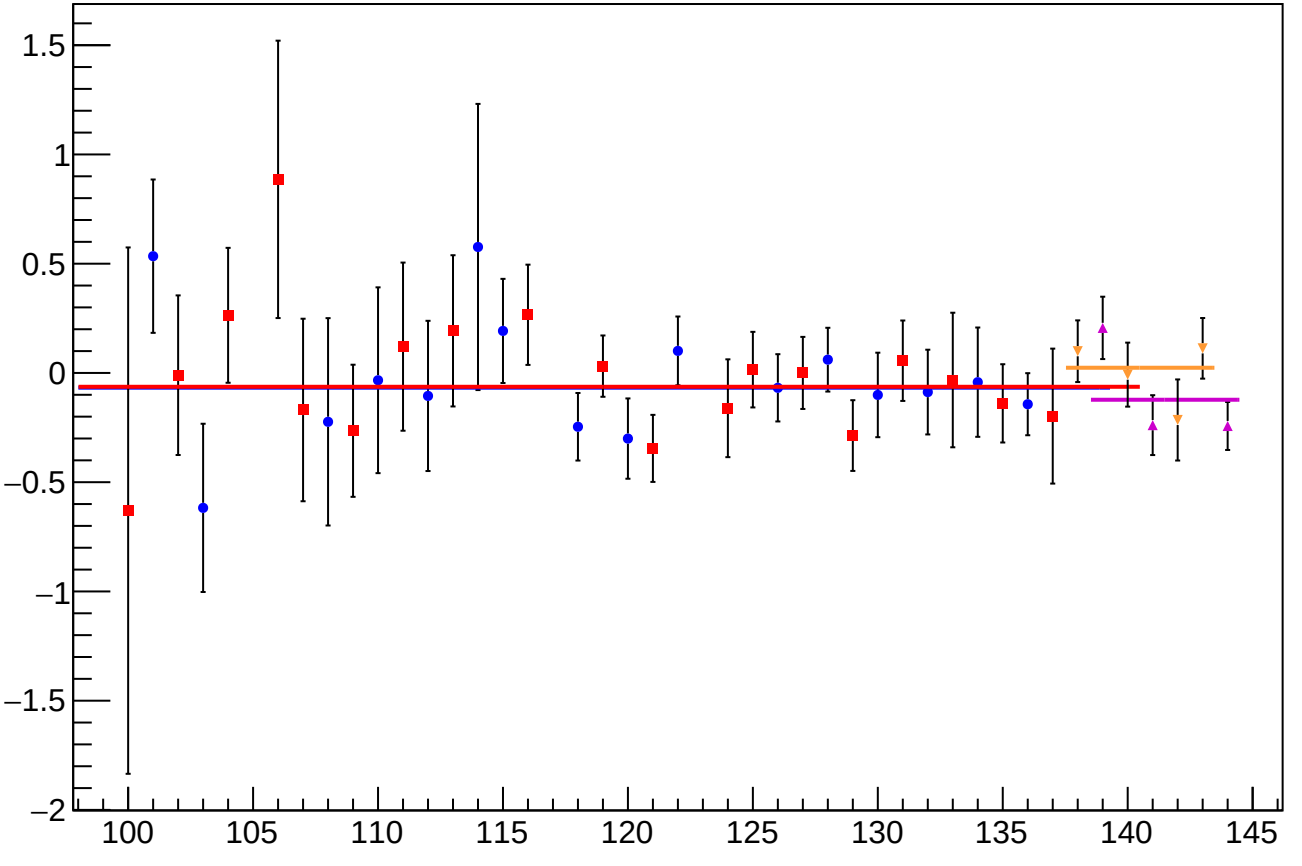
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.823+/-0.030 χ^2/NDF:1900658.1/18

Out: 128.588+/-0.030 χ^2/NDF:1896239.2/22

All: 126.696+/-0.021 χ^2/NDF: 3804777.9/41

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.123+/-0.073 χ^2/NDF:7.2/2

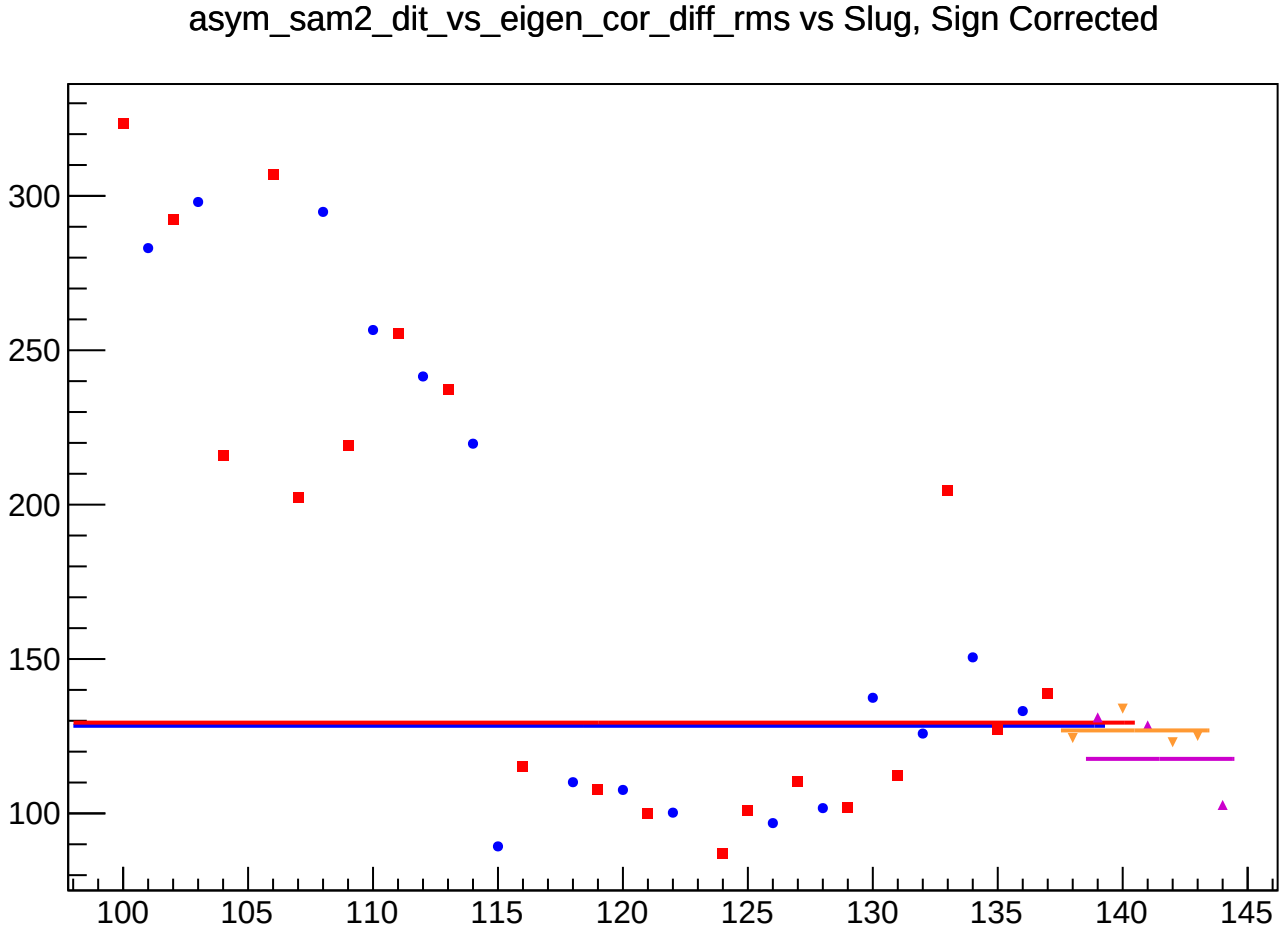
Left: -0.051+/-0.052 χ^2/NDF: 11.6/6

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.086+/-0.042 χ^2/NDF:20.1/18

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.061+/-0.030 χ^2/NDF: 38.1/41


asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
300
250
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115
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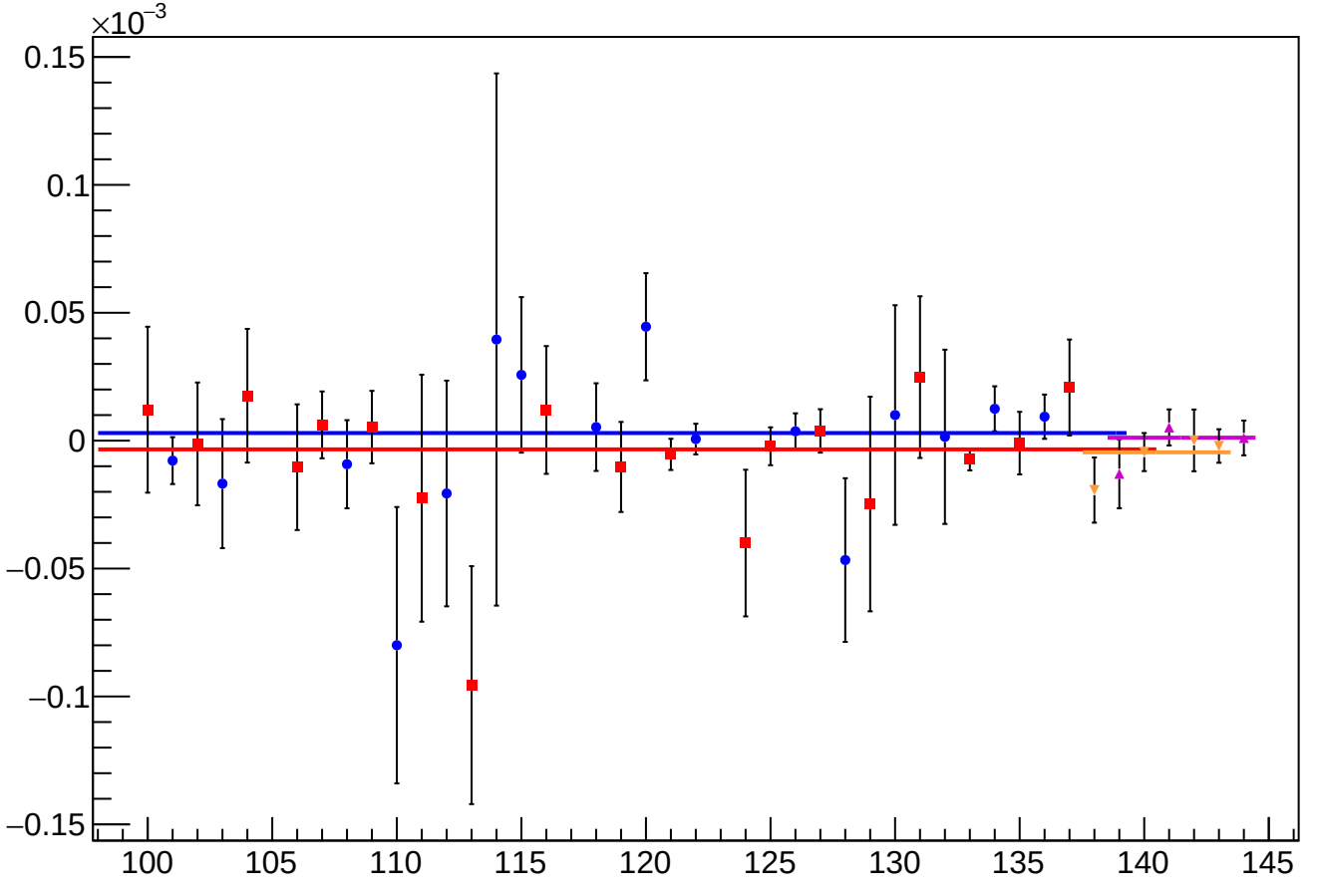
130
135
140
145
Right In: 128.380+/-0.037 χ²/NDF: 1805078.6/15
Left Out: 126.877+/-0.053 χ²/NDF:6433.2/3
Right Out: 129.399+/-0.037 χ²/NDF: 1888271.6/18
Left In: 117.662+/-0.052 χ²/NDF:67129.7/2
Left: 122.174+/-0.037 χ²/NDF: 88975.7/6
Right: 128.891+/-0.026 χ²/NDF: 3693738.9/34
In: 124.823+/-0.030 χ²/NDF:1900658.1/18
Out: 128.588+/-0.030 χ²/NDF:1896239.2/22
All: 126.696+/-0.021 χ²/NDF: 3804777.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

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

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

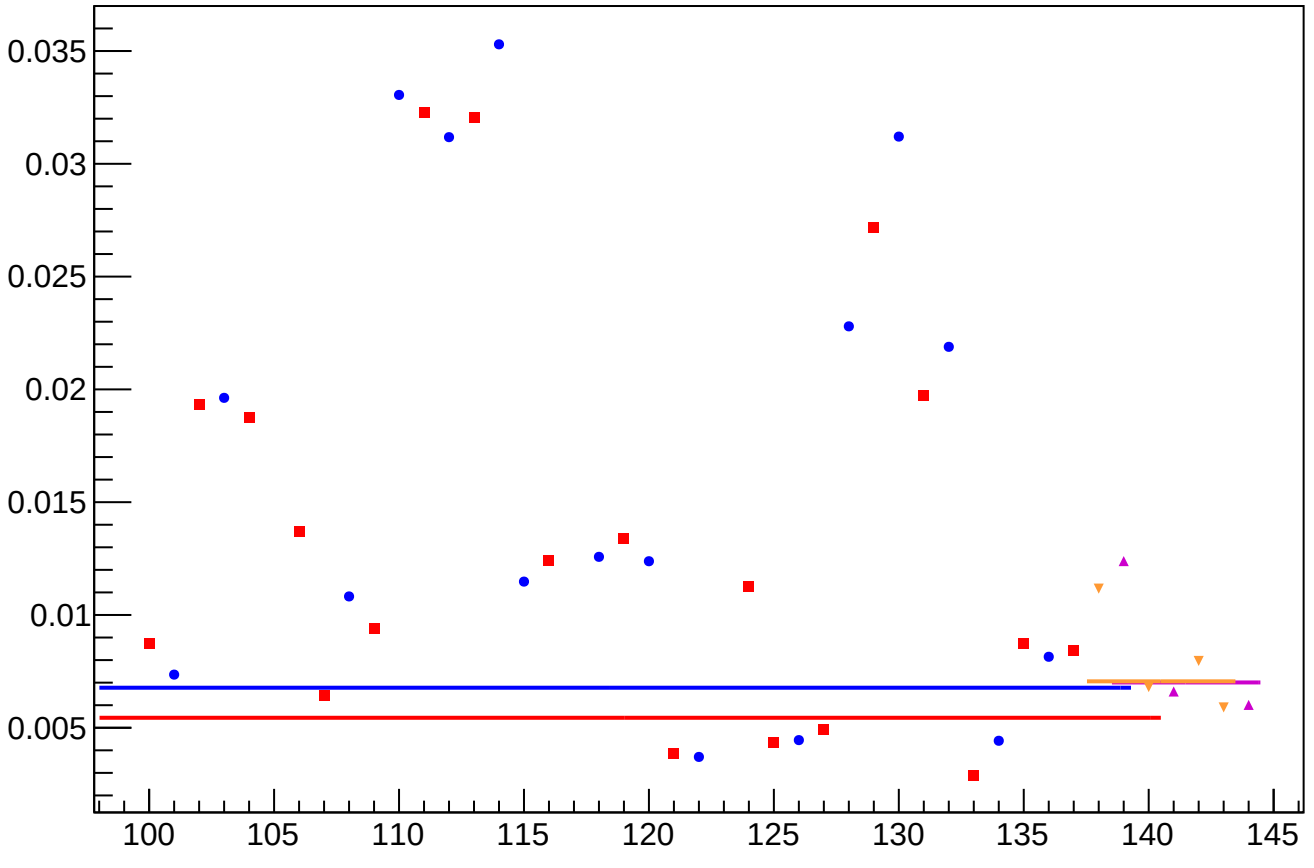
Left: -0.000+/-0.000 χ^2/NDF: 3.9/6

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/18

Out: -0.000+/-0.000 χ^2/NDF:14.3/22

All: -0.000+/-0.000 χ^2/NDF: 33.1/41



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:284158.3/3

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:368169.1/2

Left: 0.007+/-0.000 χ^2/NDF: 652450.0/6

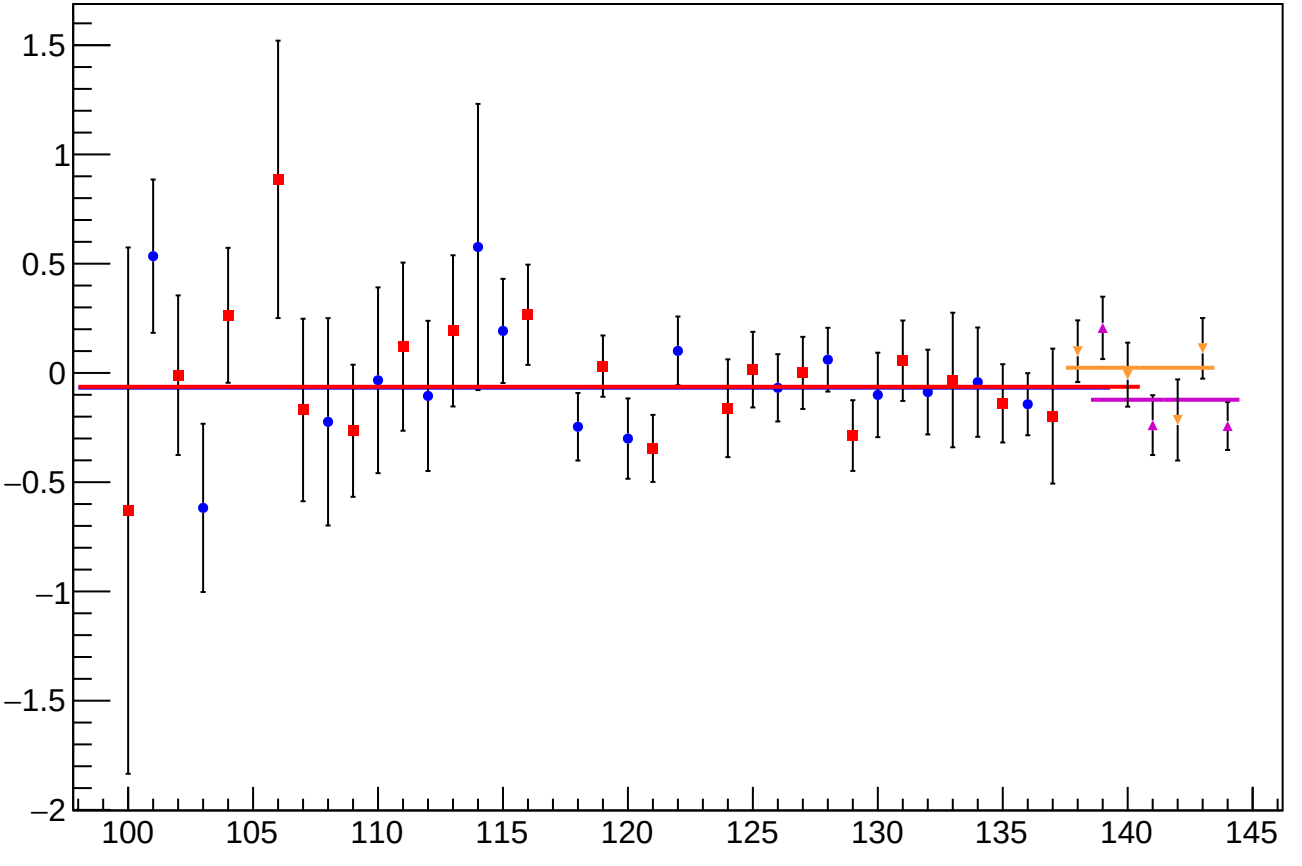
Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5143957.3/18

Out: 0.006+/-0.000 χ^2/NDF:6064262.5/22

All: 0.006+/-0.000 χ^2/NDF: 11370923.7/41

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.123+/-0.073 χ^2/NDF:7.2/2

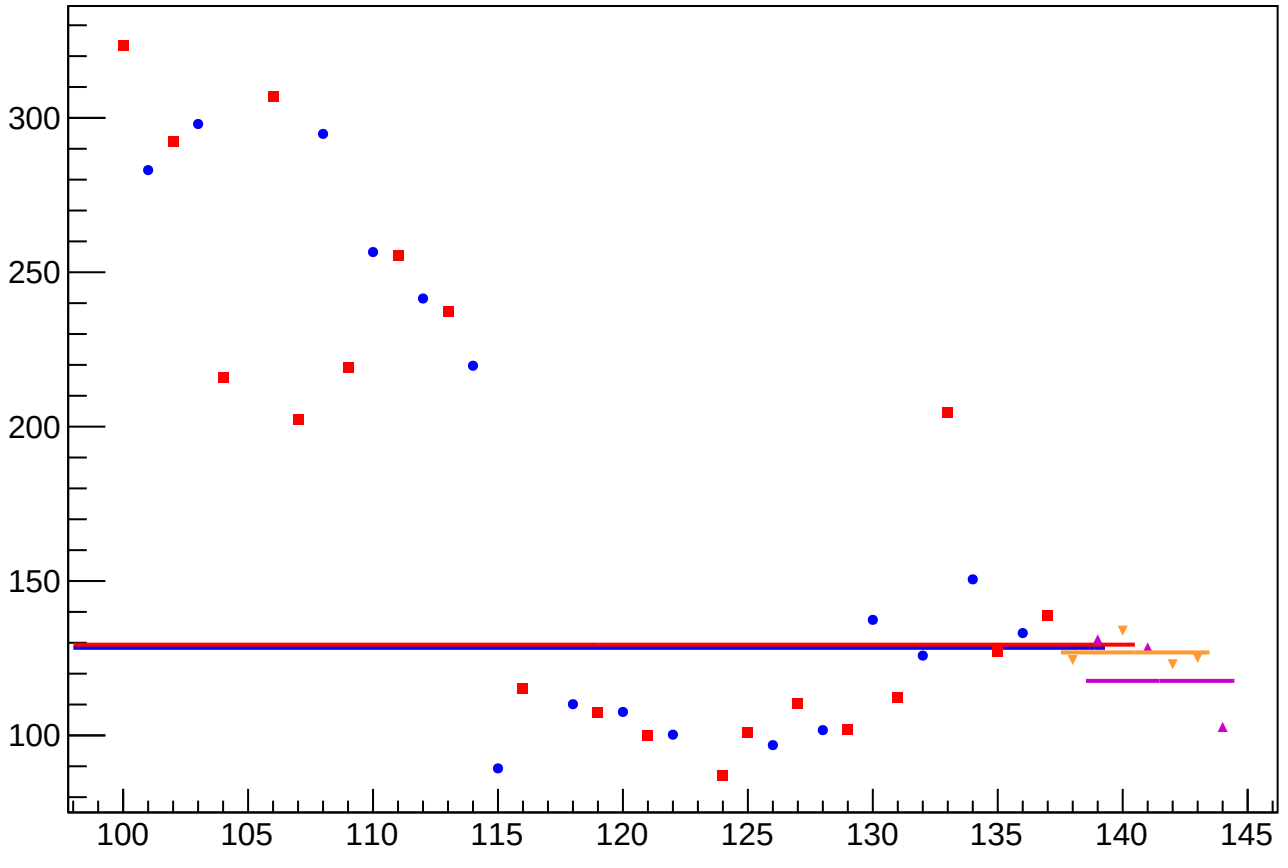
Left: -0.051+/-0.052 χ^2/NDF: 11.6/6

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.086+/-0.042 χ^2/NDF:20.1/18

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.061+/-0.030 χ^2/NDF: 38.1/41



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.877+/-0.053 χ^2/NDF:6434.4/3

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 117.662+/-0.052 χ^2/NDF:67127.3/2

Left: 122.174+/-0.037 χ^2/NDF: 88973.1/6

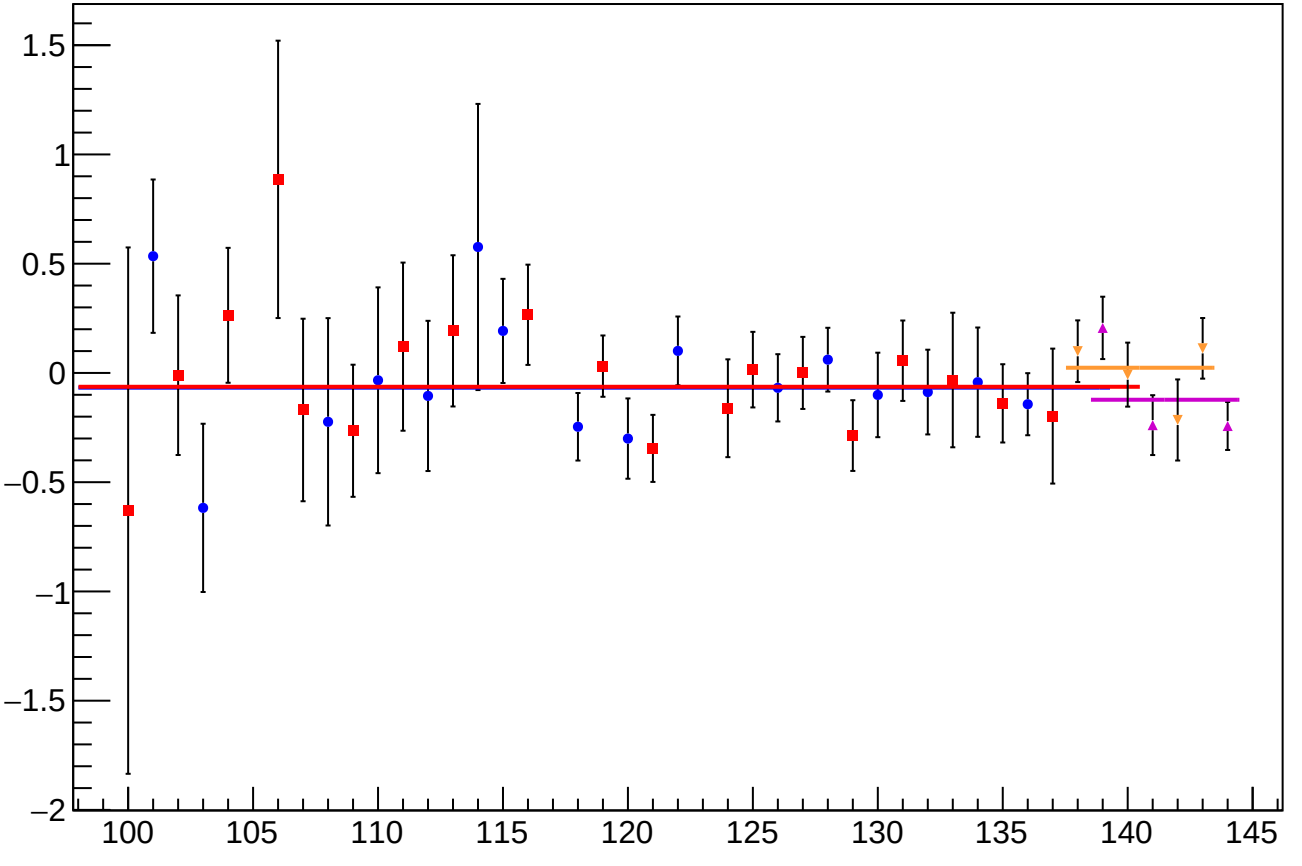
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.821+/-0.030 χ^2/NDF:1900587.6/18

Out: 128.586+/-0.030 χ^2/NDF:1896238.2/22

All: 126.694+/-0.021 χ^2/NDF: 3804705.1/41

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.123+/-0.073 χ^2/NDF:7.2/2

Left: -0.051+/-0.052 χ^2/NDF: 11.6/6

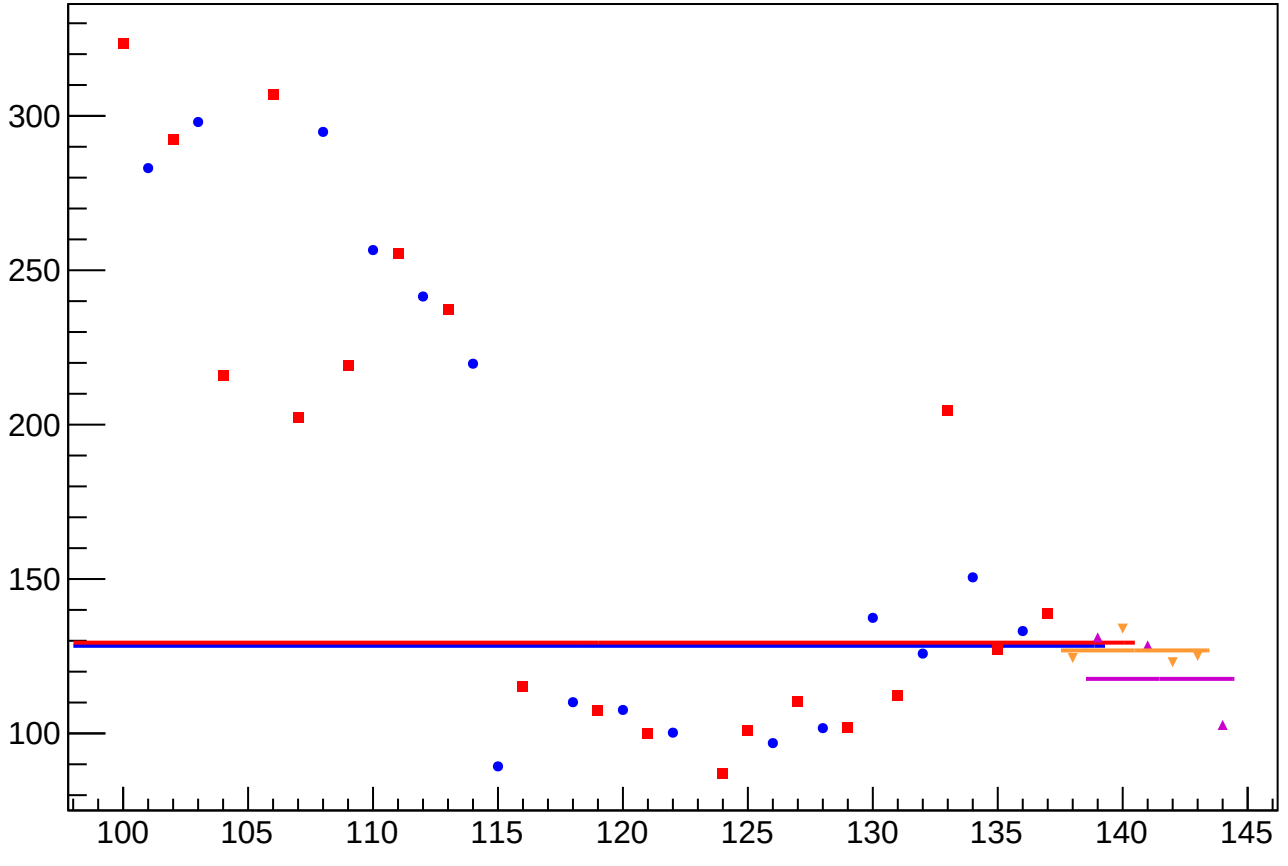
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.086+/-0.042 χ^2/NDF:20.1/18

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.061+/-0.030 χ^2/NDF: 38.1/41

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: 126.877+/-0.053 χ^2/NDF:6434.4/3

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 117.662+/-0.052 χ^2/NDF:67127.3/2

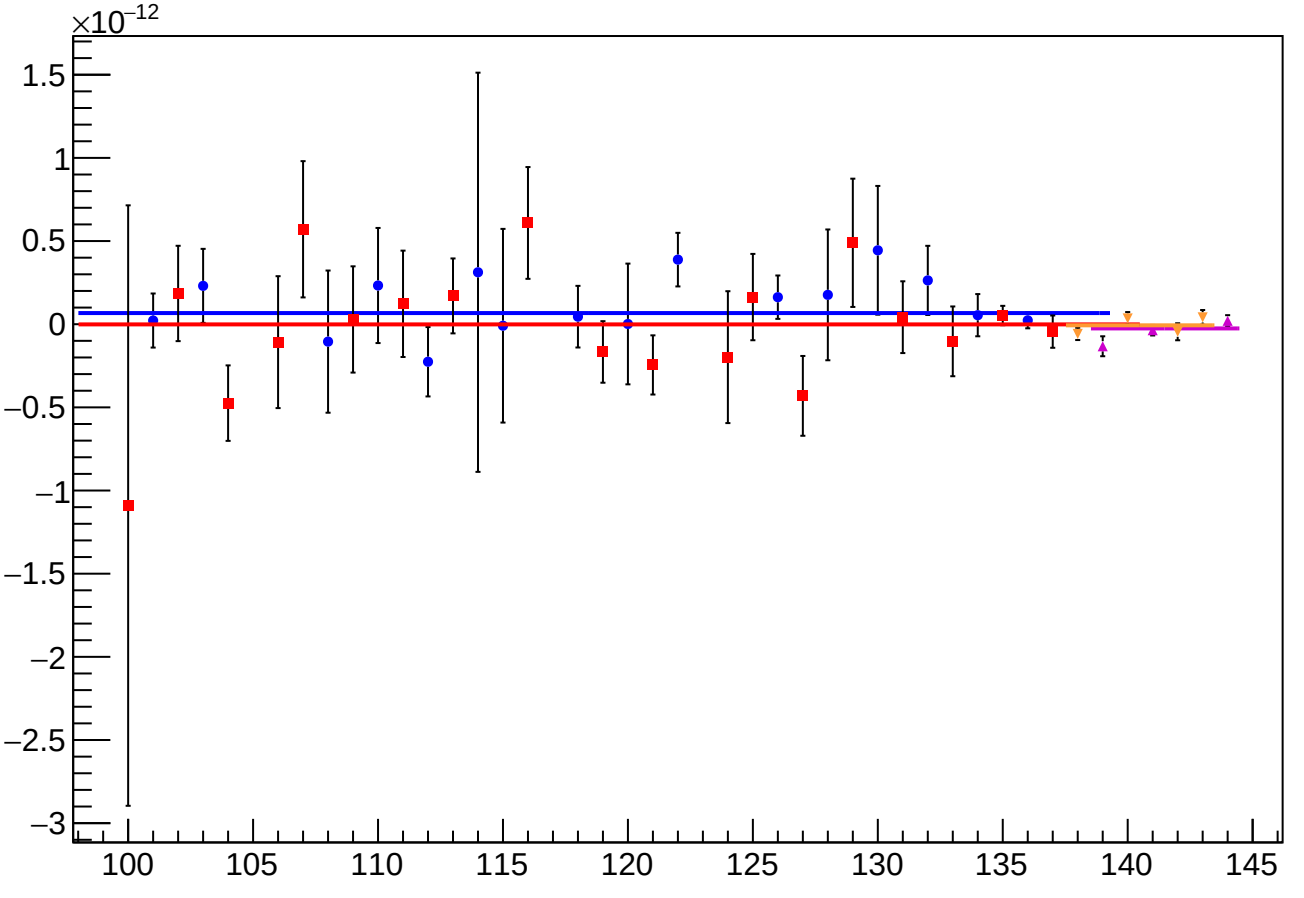
Left: 122.174+/-0.037 χ^2/NDF: 88973.1/6

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.821+/-0.030 χ^2/NDF:1900587.6/18

Out: 128.586+/-0.030 χ^2/NDF:1896238.2/22

All: 126.694+/-0.021 χ^2/NDF: 3804705.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/2

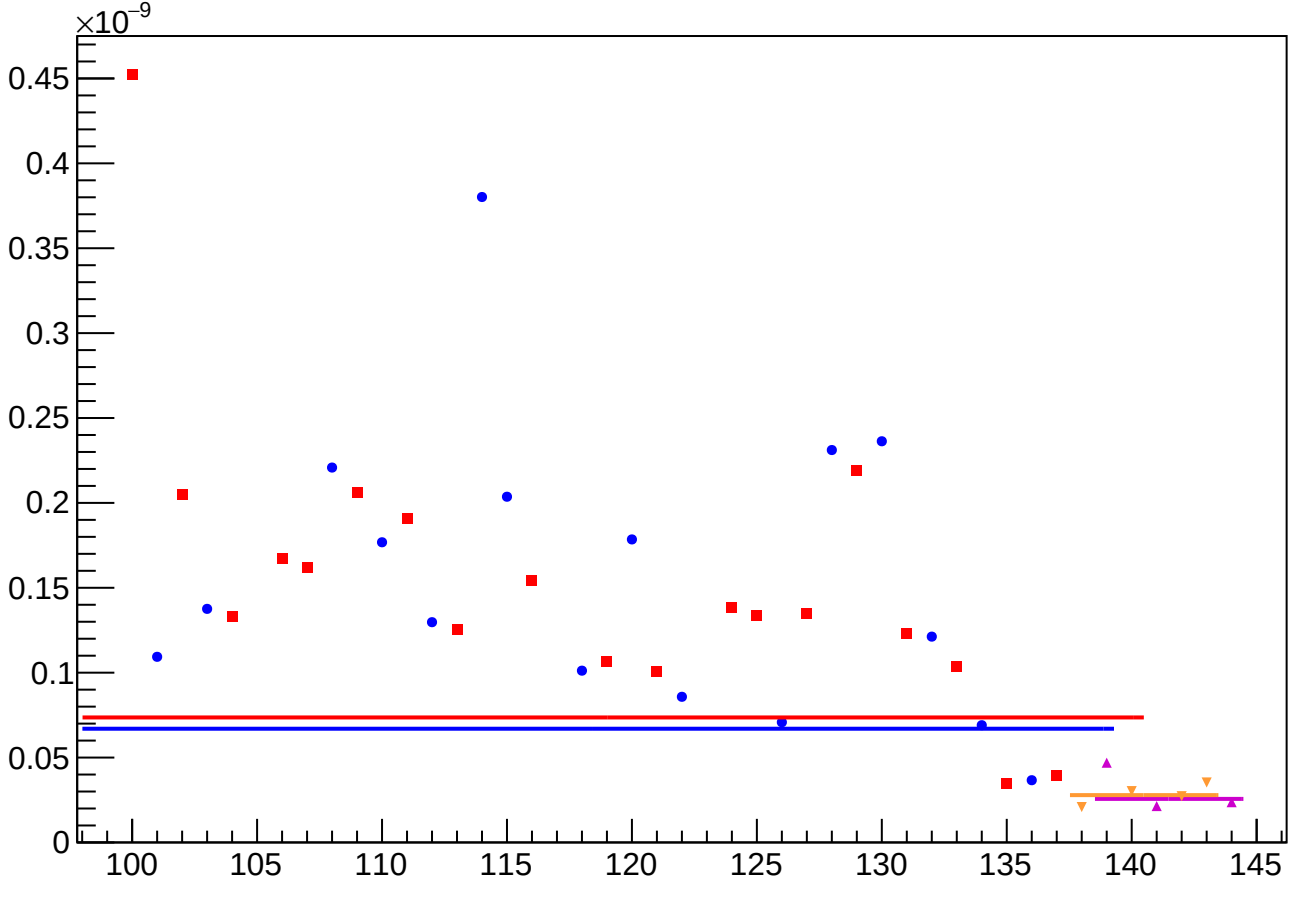
Left: -0.000+/-0.000 χ^2/NDF: 10.4/6

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:20.4/18

Out: -0.000+/-0.000 χ^2/NDF:25.5/22

All: -0.000+/-0.000 χ^2/NDF: 46.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:137173.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:295354.9/2

Left: 0.000+/-0.000 χ^2/NDF: 443587.5/6

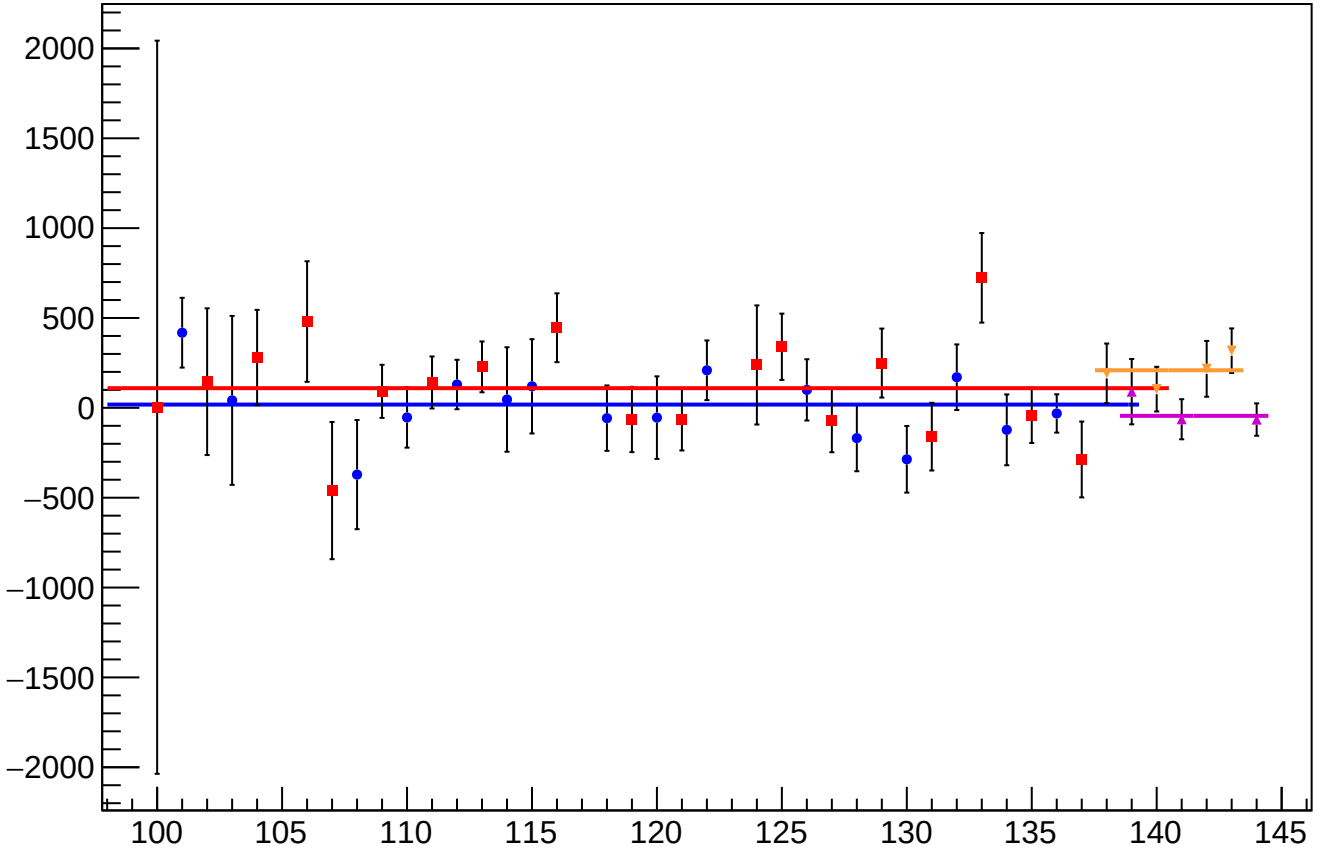
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5409874.8/18

Out: 0.000+/-0.000 χ^2/NDF:5900758.6/22

All: 0.000+/-0.000 χ^2/NDF: 11316223.4/41

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.140+/-69.383 χ^2/NDF:1.5/3

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: -44.549+/-65.372 χ^2/NDF:0.6/2

Left: 74.751+/-47.580 χ^2/NDF: 9.2/6

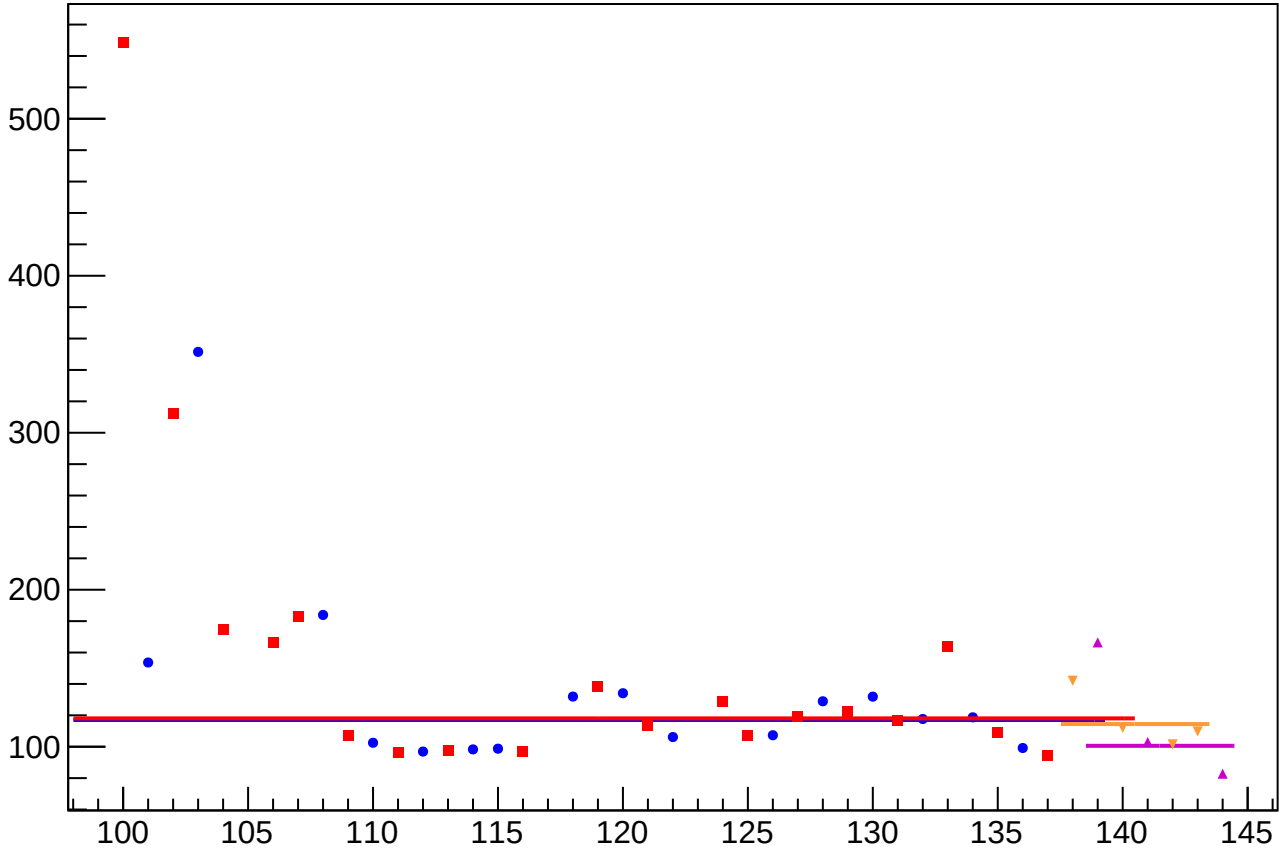
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: -2.399+/-37.457 χ^2/NDF:15.1/18

Out: 139.716+/-38.238 χ^2/NDF:28.4/22

All: 67.194+/-26.758 χ^2/NDF: 50.6/41

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

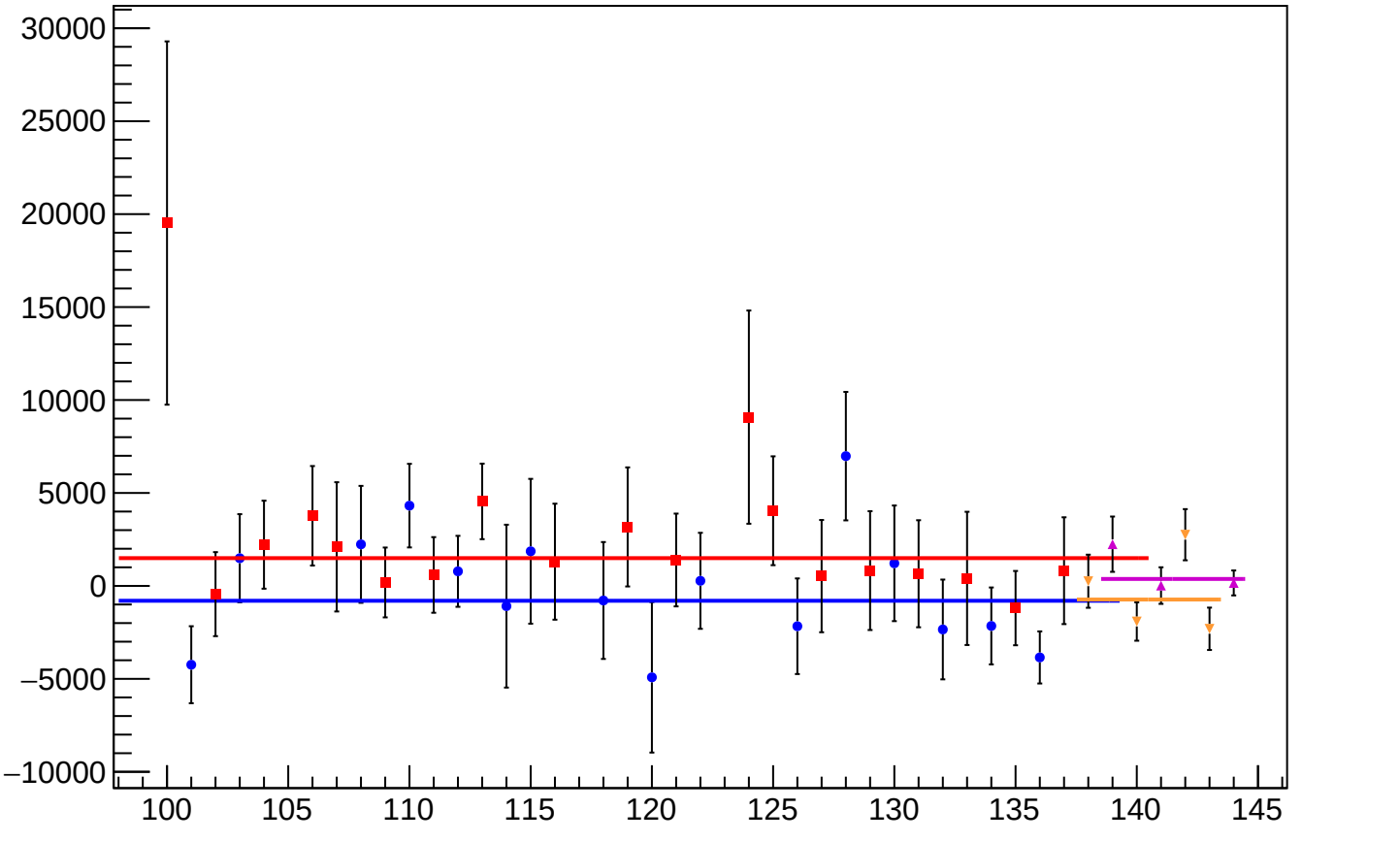
Left: 107.098+/-0.034 χ^2/NDF: 456510.5/6

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 111.651+/-0.026 χ^2/NDF:1285364.7/18

Out: 116.959+/-0.027 χ^2/NDF:1067199.1/22

All: 114.250+/-0.019 χ^2/NDF: 2372225.1/41



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -732.914+/-605.596 χ^2/NDF:10.1/3

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 374.361+/-519.535 χ^2/NDF:1.8/2

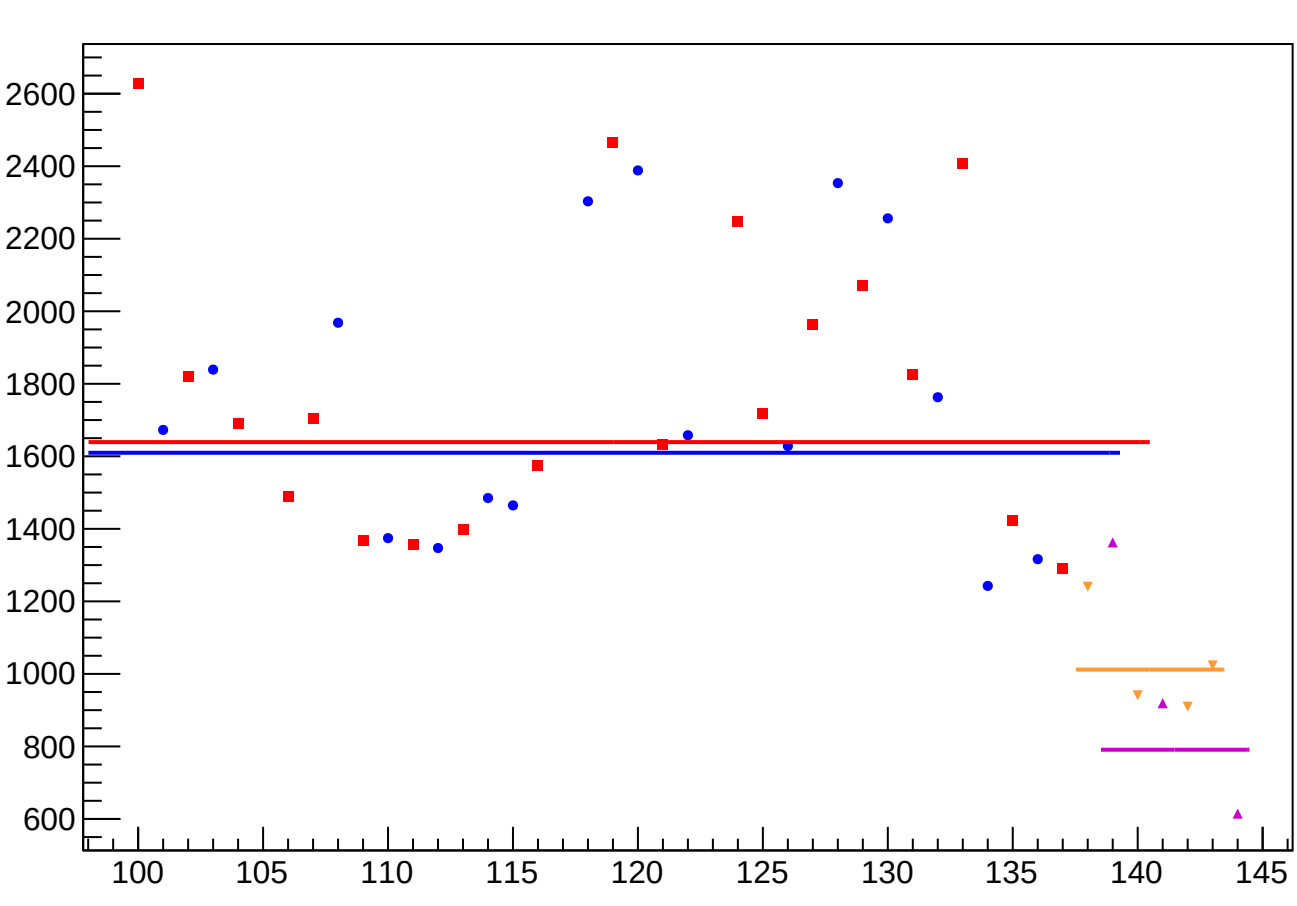
Left: -95.074+/-394.315 χ^2/NDF: 13.9/6

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -113.402+/-397.147 χ^2/NDF:27.4/18

Out: 366.787+/-430.848 χ^2/NDF:29.7/22

All: 107.180+/-292.014 χ^2/NDF: 57.7/41



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1011.907+/-0.428 χ^2/NDF:71863.4/3

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 790.938+/-0.367 χ^2/NDF:467518.3/2

Left: 884.619+/-0.279 χ^2/NDF: 692767.1/6

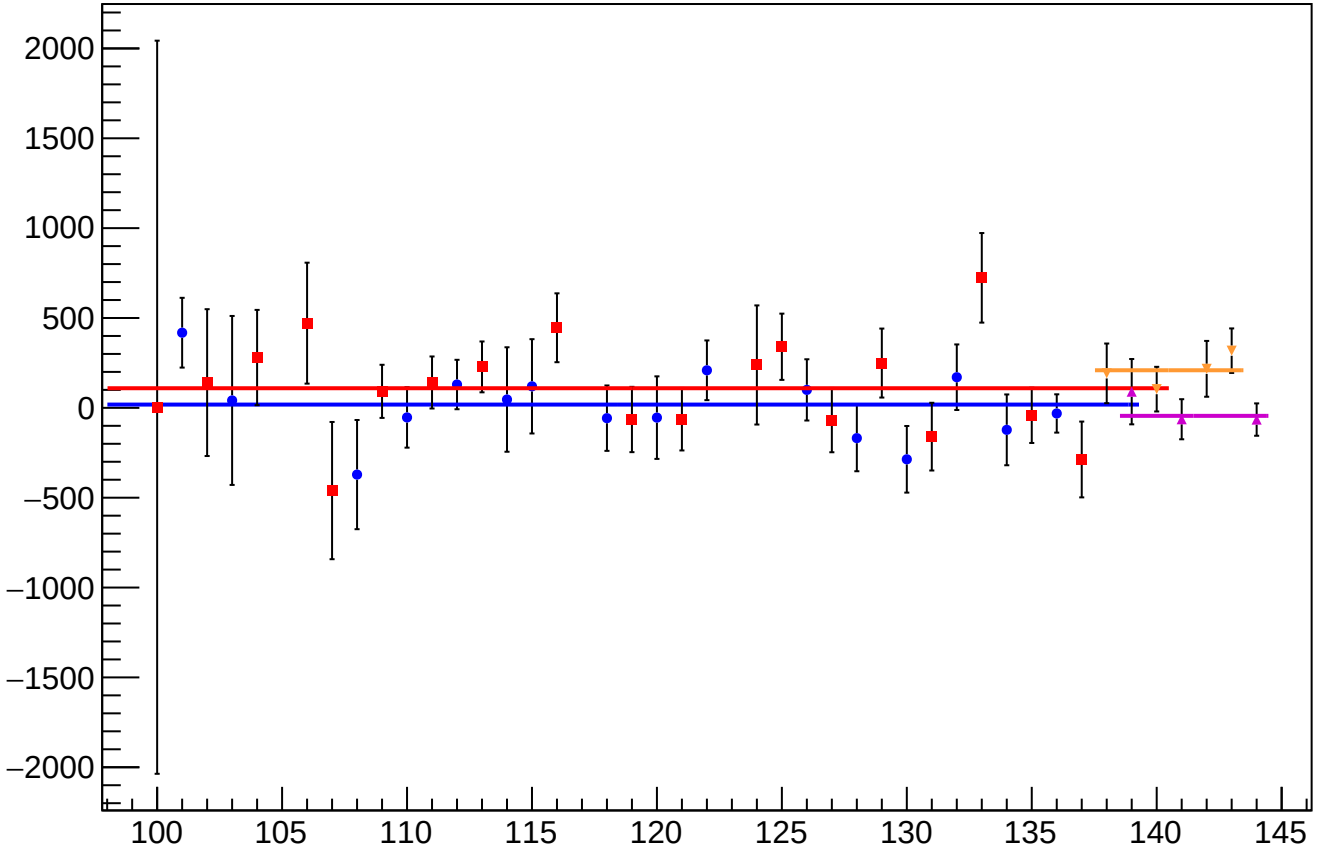
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1131.290+/-0.281 χ^2/NDF:3151697.2/18

Out: 1321.713+/-0.305 χ^2/NDF:1651914.4/22

All: 1218.764+/-0.206 χ^2/NDF: 5014825.4/41

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -44.547+/-65.372 χ^2/NDF:0.6/2

Left: 74.756+/-47.580 χ^2/NDF: 9.2/6

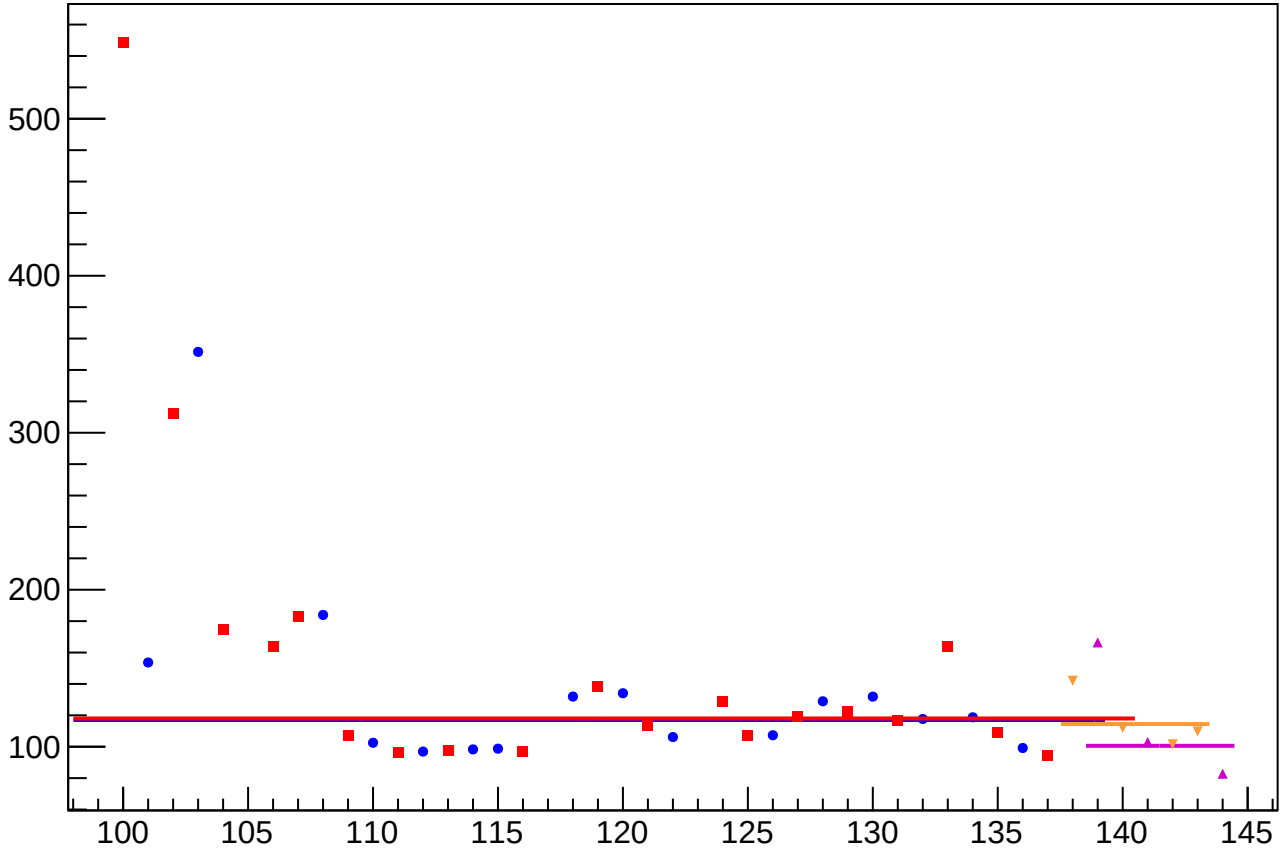
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: -2.407+/-37.457 χ^2/NDF:15.1/18

Out: 139.525+/-38.239 χ^2/NDF:28.4/22

All: 67.093+/-26.759 χ^2/NDF: 50.5/41

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

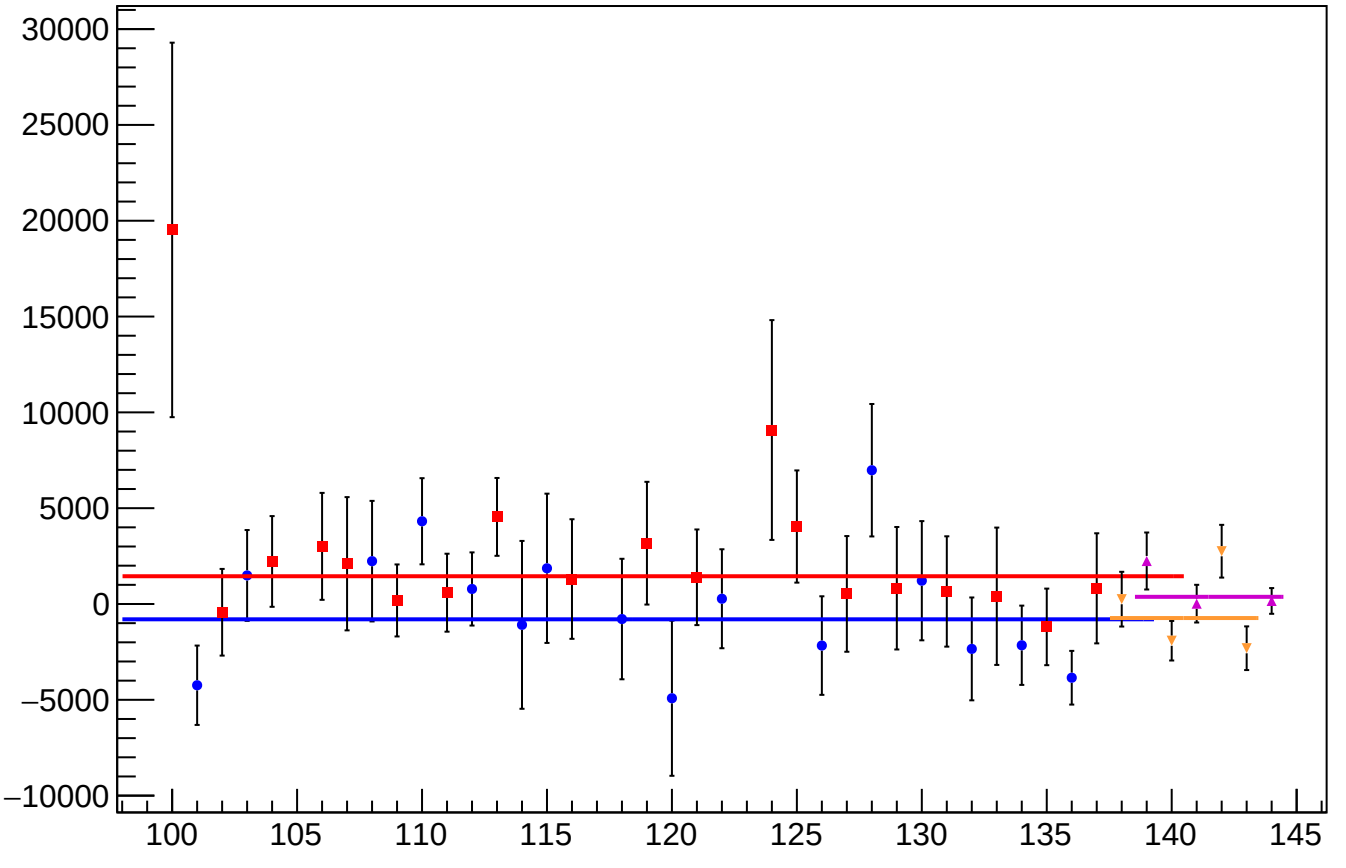
Left: 107.098+/-0.034 χ^2/NDF: 456510.5/6

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 111.651+/-0.026 χ^2/NDF:1285366.7/18

Out: 116.923+/-0.027 χ^2/NDF:1062897.2/22

All: 114.233+/-0.019 χ^2/NDF: 2367657.3/41



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 374.368+/-519.535 χ^2/NDF:1.8/2

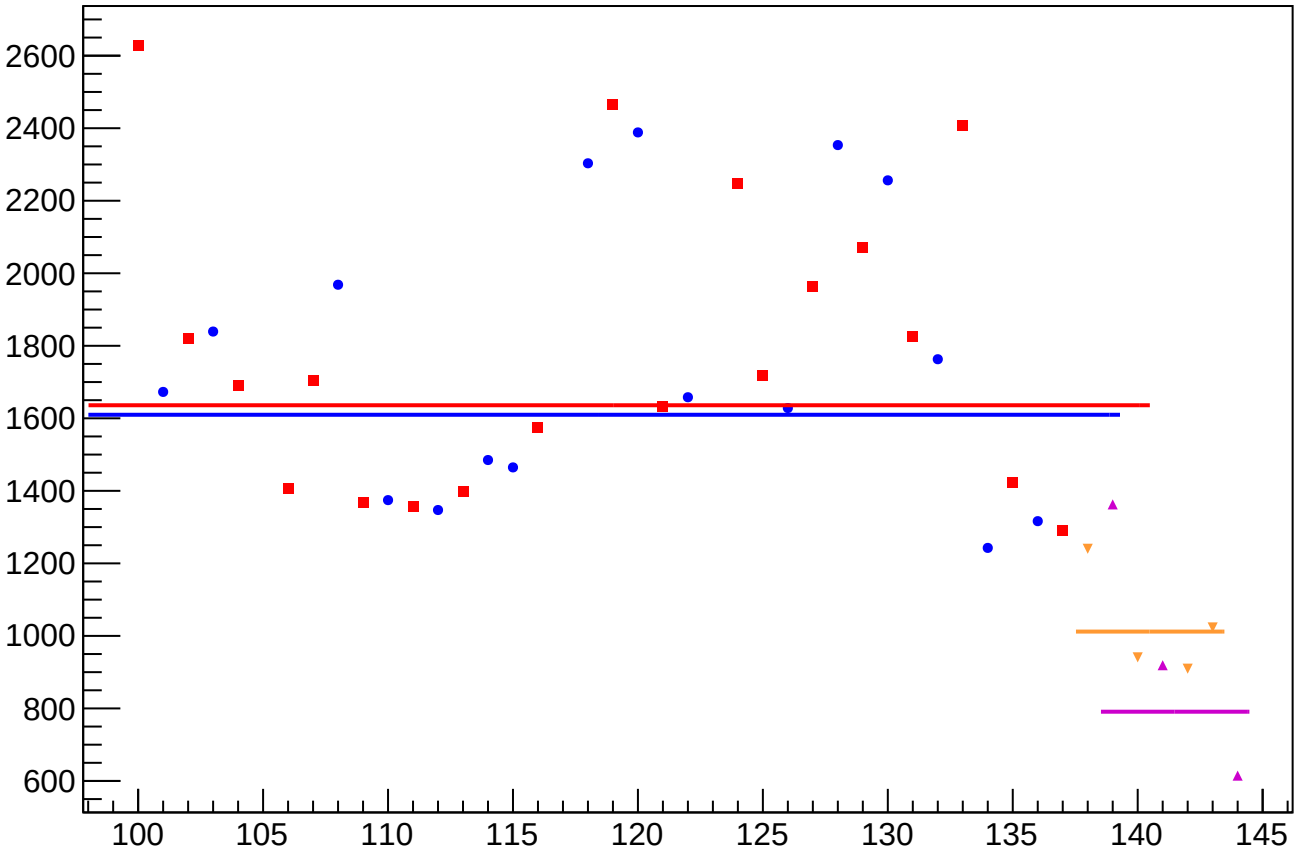
Left: -95.062+/-394.315 χ^2/NDF: 13.9/6

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -113.387+/-397.148 χ^2/NDF:27.4/18

Out: 341.952+/-431.315 χ^2/NDF:29.0/22

All: 95.536+/-292.159 χ^2/NDF: 56.9/41



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 790.938+/-0.367 χ^2/NDF:467518.9/2

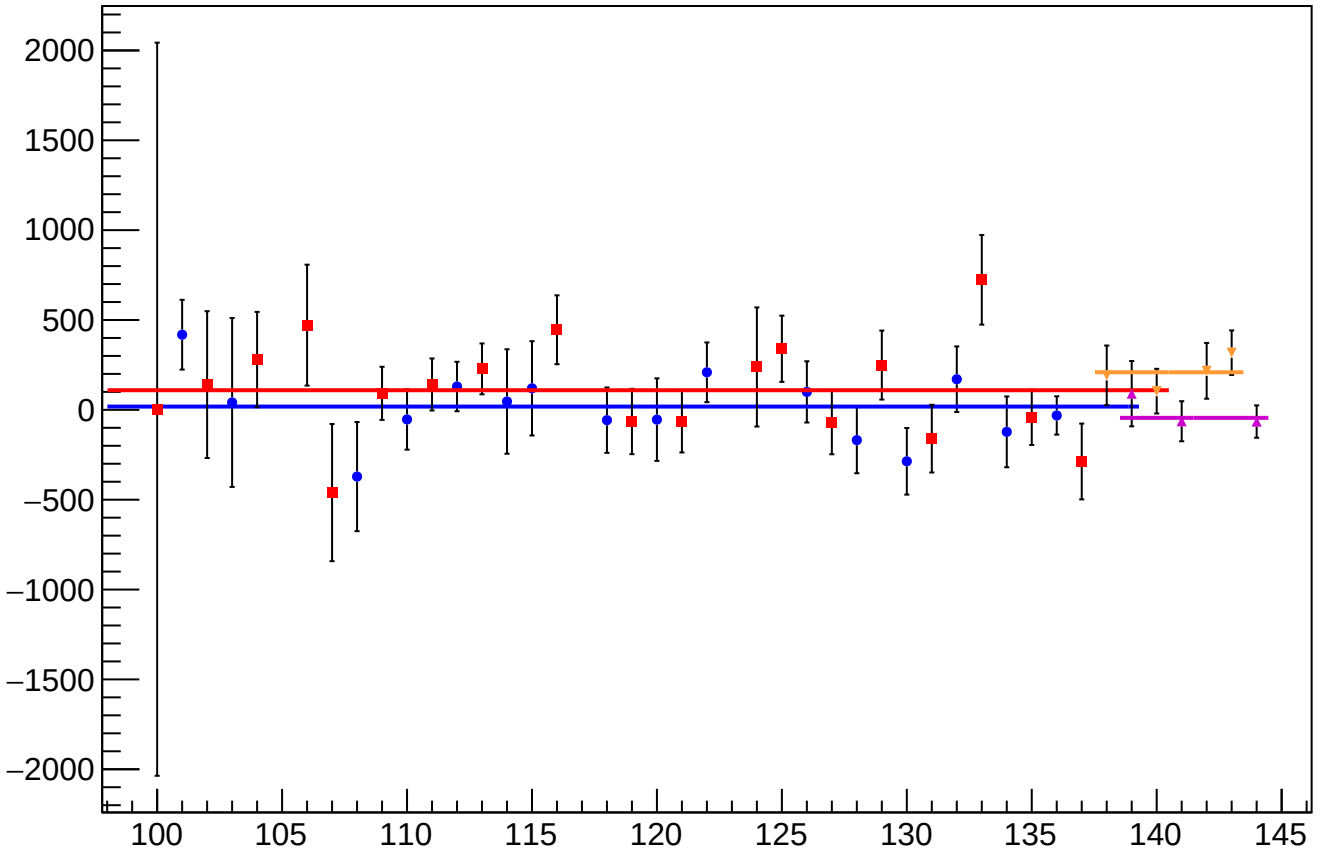
Left: 884.619+/-0.279 χ^2/NDF: 692766.9/6

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1131.292+/-0.281 χ^2/NDF:3151754.5/18

Out: 1319.450+/-0.305 χ^2/NDF:1646448.2/22

All: 1217.624+/-0.207 χ^2/NDF: 5004182.2/41



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -44.547+/-65.372 χ^2/NDF:0.6/2

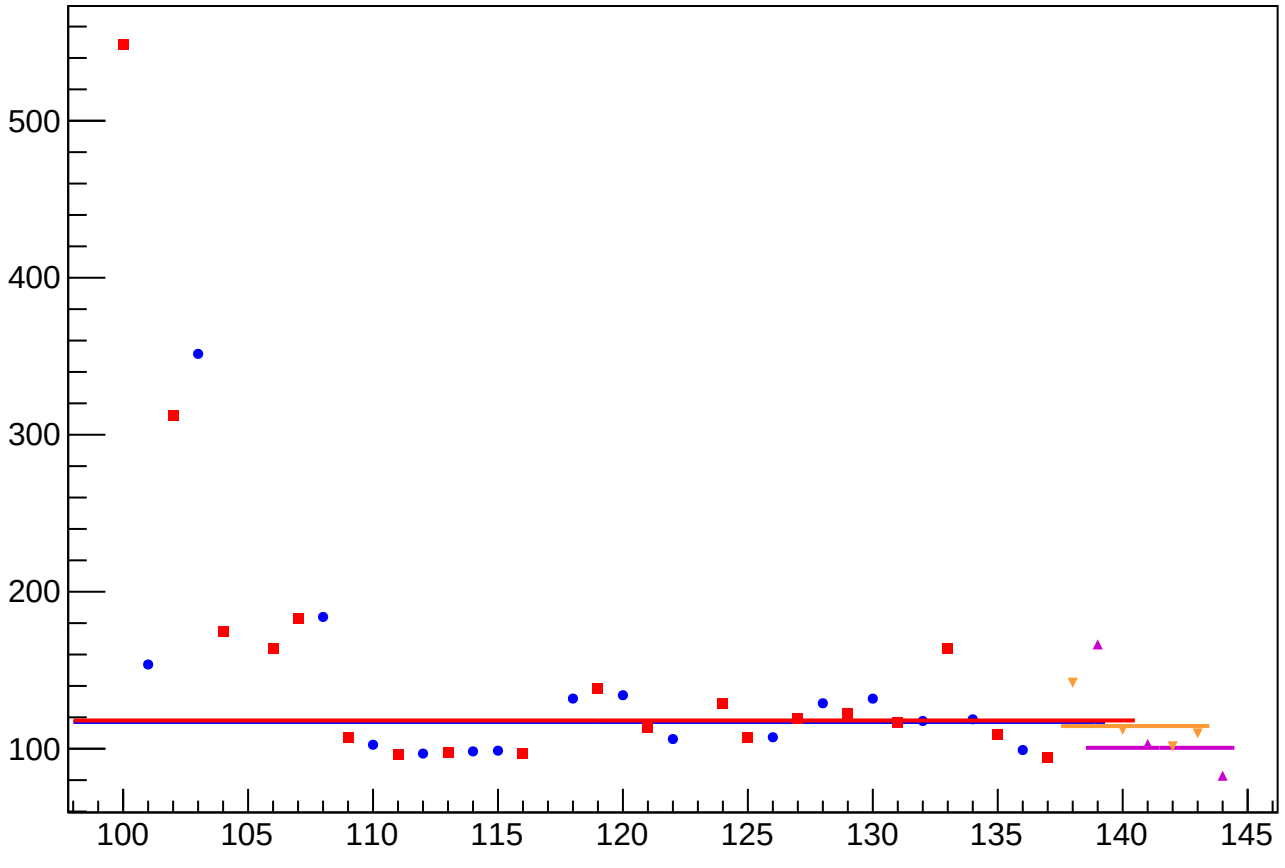
Left: 74.756+/-47.580 χ^2/NDF: 9.2/6

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: -2.407+/-37.457 χ^2/NDF:15.1/18

Out: 139.525+/-38.239 χ^2/NDF:28.4/22

All: 67.093+/-26.759 χ^2/NDF: 50.5/41



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 100.581+/-0.046 χ^2/NDF:341578.0/2

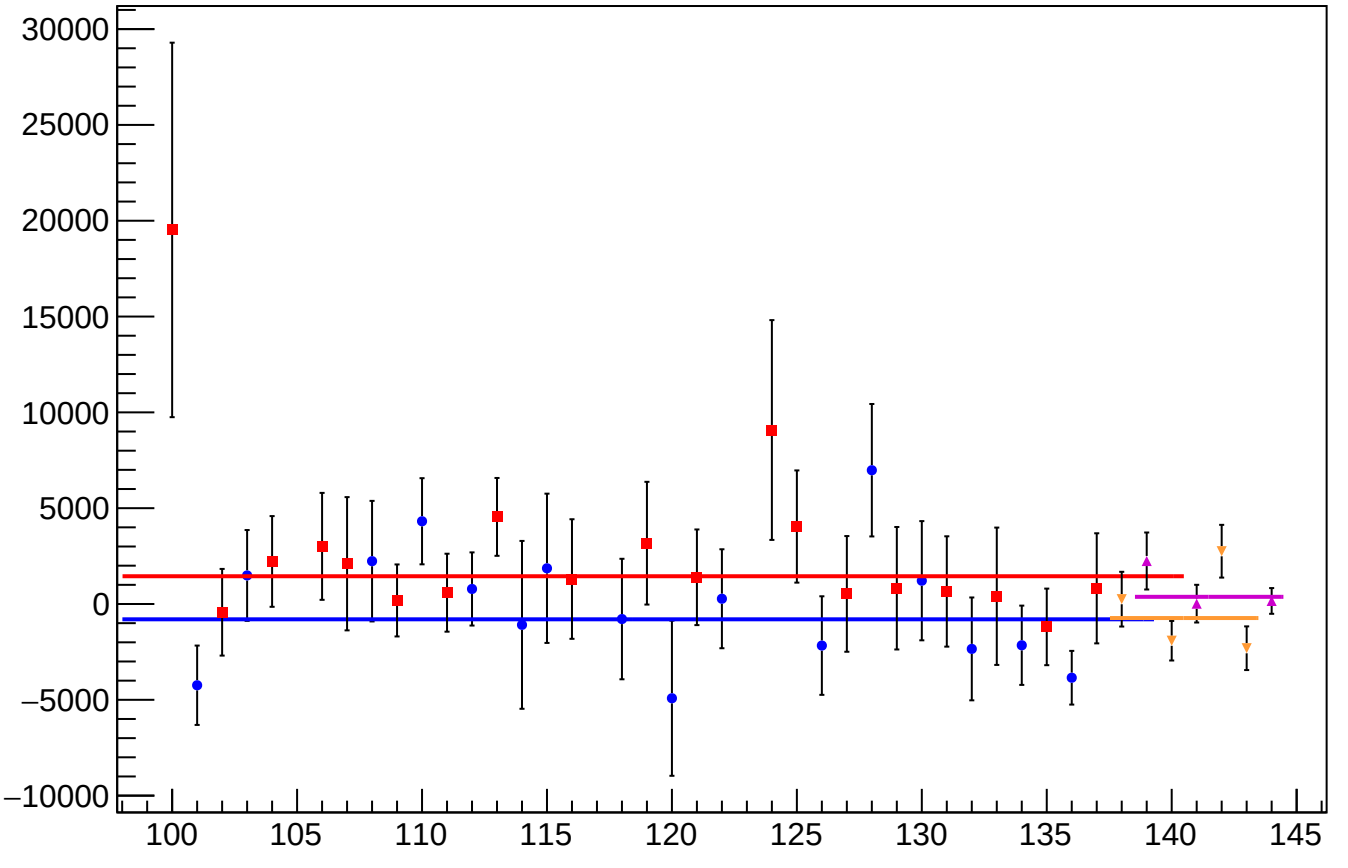
Left: 107.098+/-0.034 χ^2/NDF: 456510.5/6

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 111.651+/-0.026 χ^2/NDF:1285366.7/18

Out: 116.923+/-0.027 χ^2/NDF:1062897.2/22

All: 114.233+/-0.019 χ^2/NDF: 2367657.3/41



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 374.368+/-519.535 χ^2/NDF:1.8/2

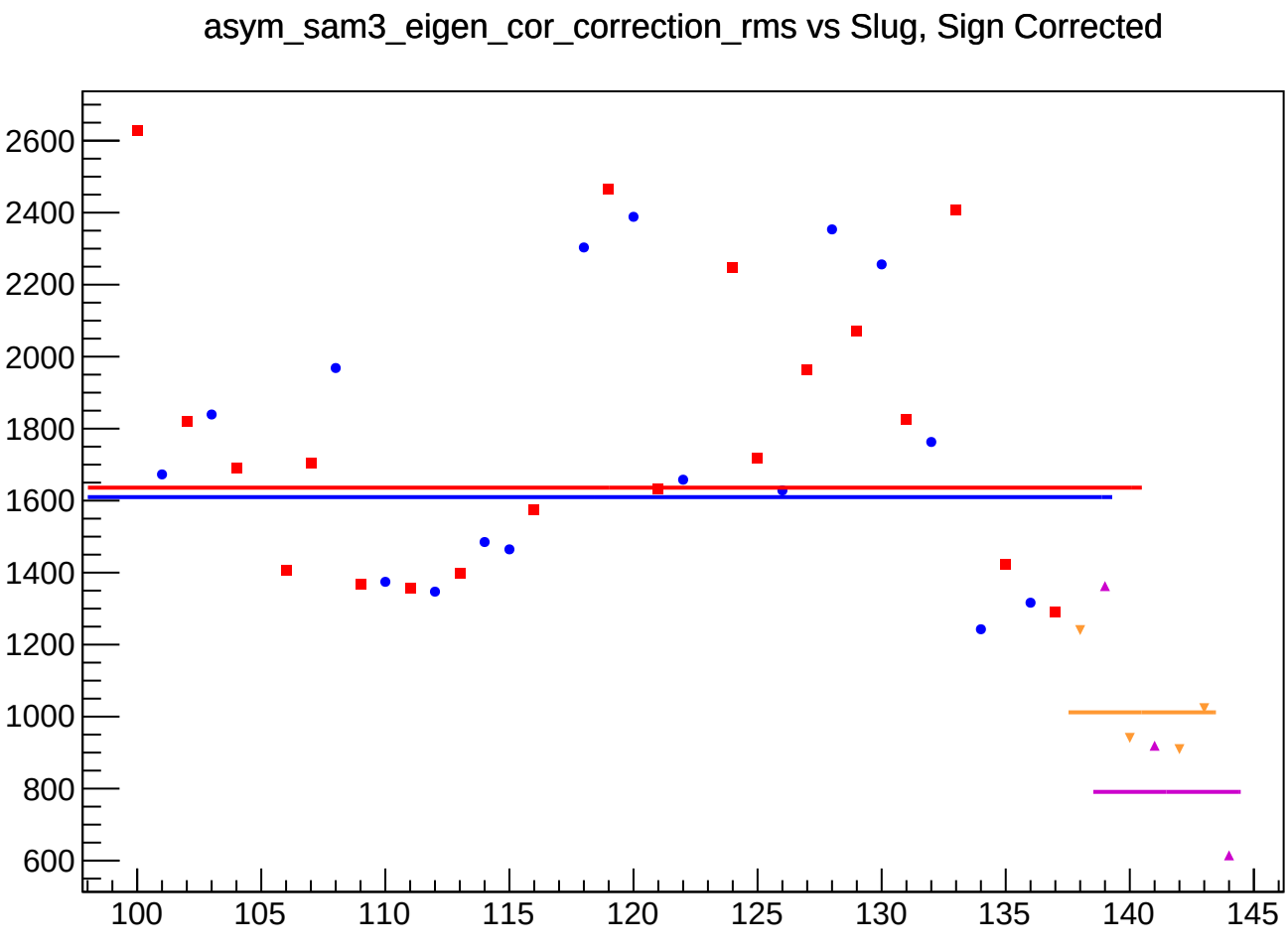
Left: -95.062+/-394.315 χ^2/NDF: 13.9/6

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -113.387+/-397.148 χ^2/NDF:27.4/18

Out: 341.952+/-431.315 χ^2/NDF:29.0/22

All: 95.536+/-292.159 χ^2/NDF: 56.9/41



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 790.938+/-0.367 χ^2/NDF:467518.9/2

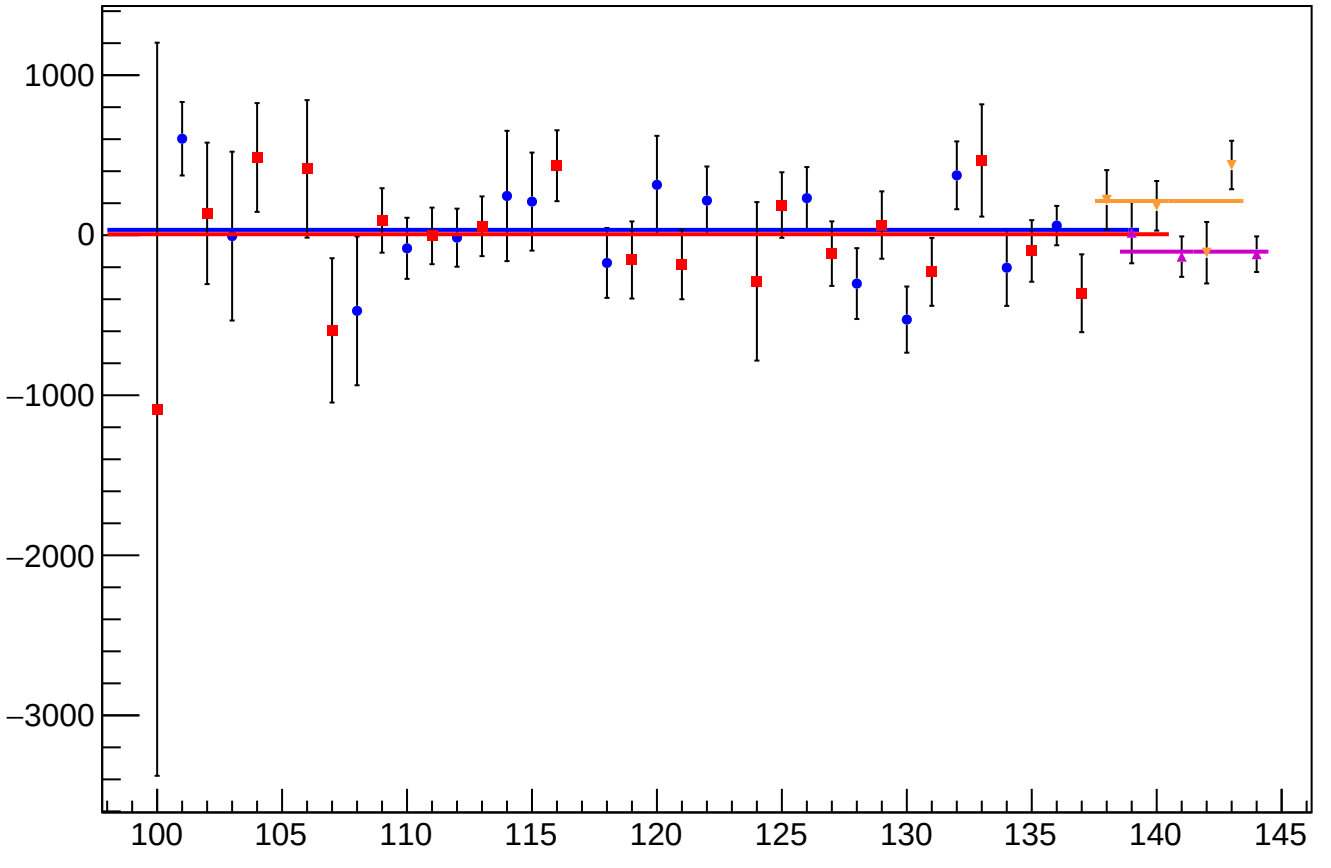
Left: 884.619+/-0.279 χ^2/NDF: 692766.9/6

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1131.292+/-0.281 χ^2/NDF:3151754.5/18

Out: 1319.450+/-0.305 χ^2/NDF:1646448.2/22

All: 1217.624+/-0.207 χ^2/NDF: 5004182.2/41



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.114 χ^2/NDF:5.1/3

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -102.671+/-76.526 χ^2/NDF:0.5/2

Left: 40.665+/-56.605 χ^2/NDF: 13.3/6

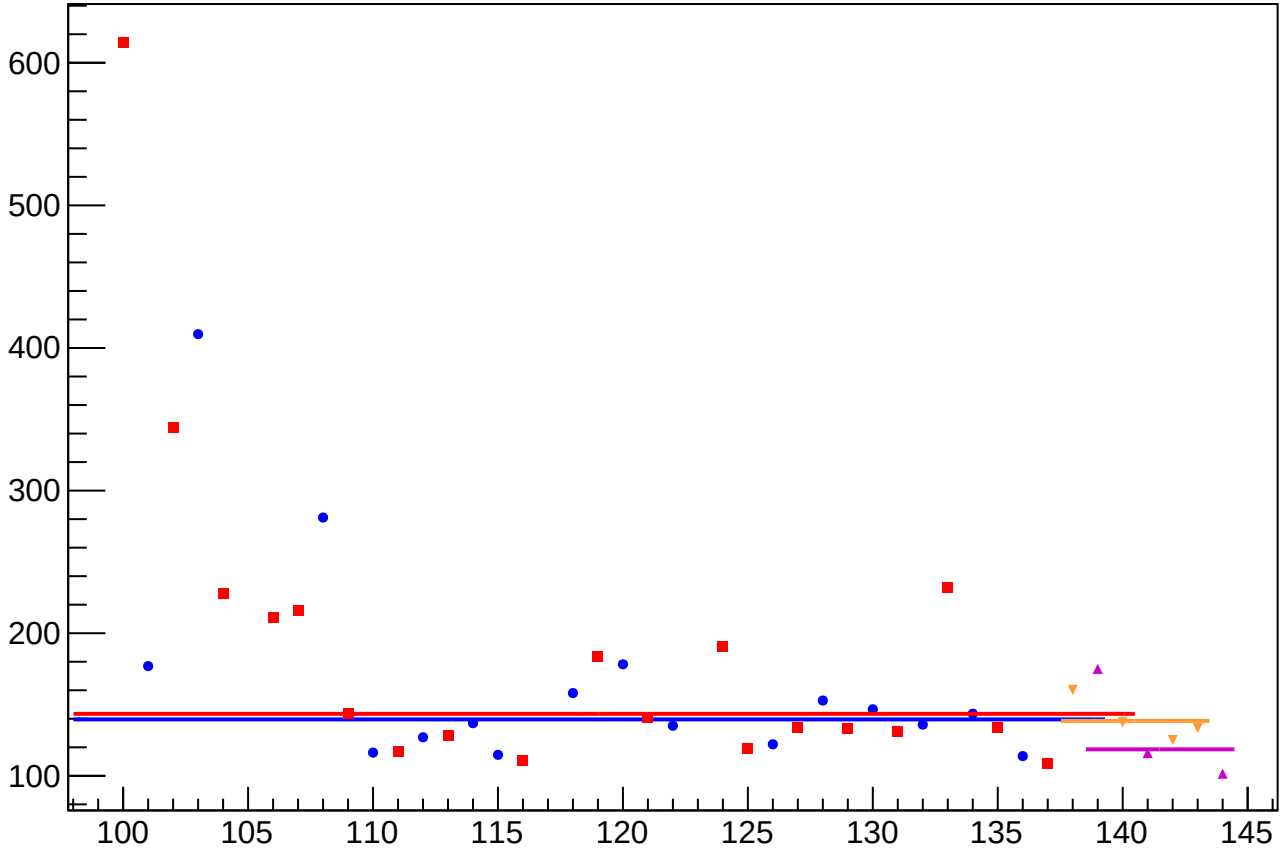
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: -12.798+/-44.612 χ^2/NDF:27.7/18

Out: 70.046+/-46.666 χ^2/NDF:26.6/22

All: 26.761+/-32.247 χ^2/NDF: 56.0/41

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.3/3

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 118.588+/-0.054 χ^2/NDF:222162.0/2

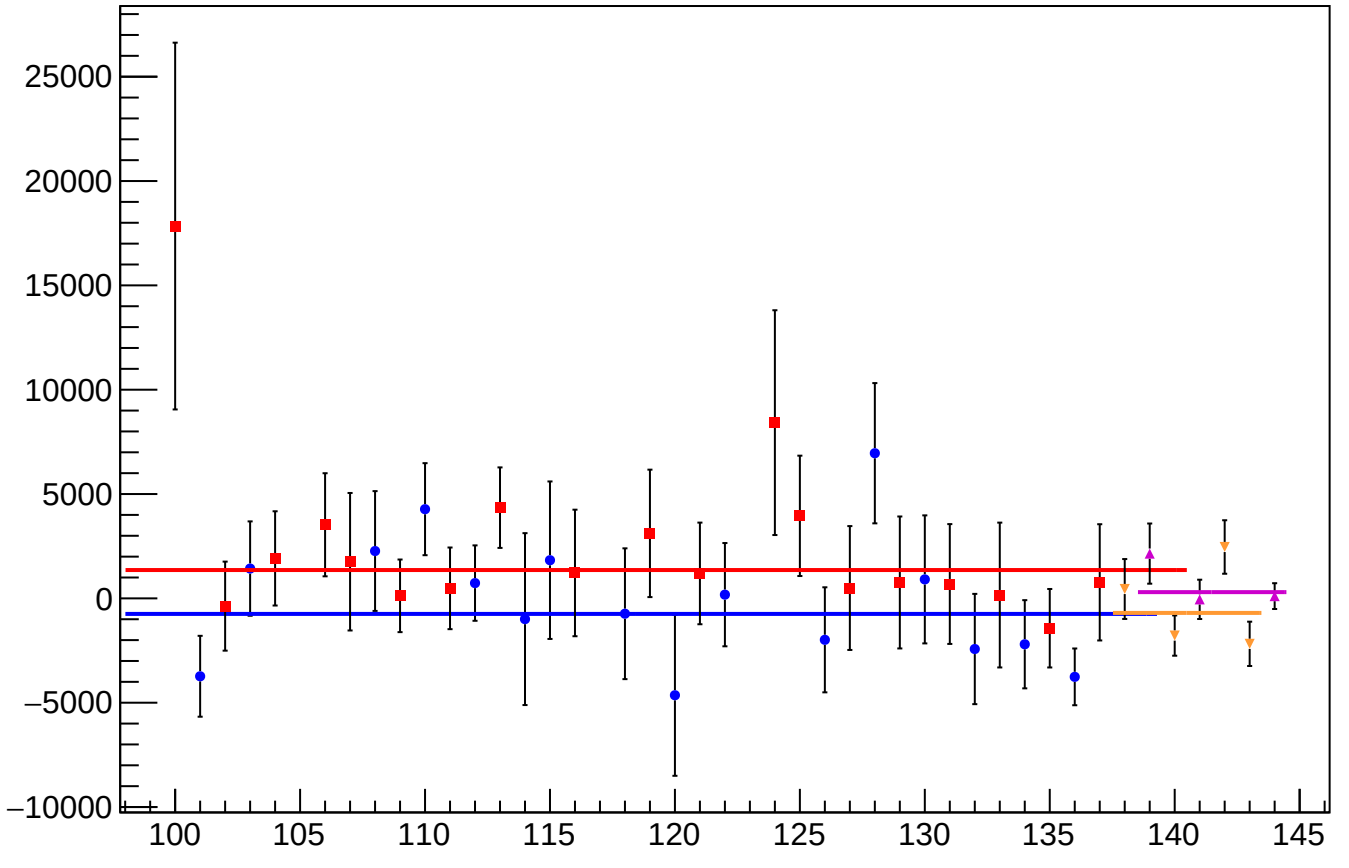
Left: 127.632+/-0.040 χ^2/NDF: 323076.1/6

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 132.437+/-0.032 χ^2/NDF:1298113.8/18

Out: 141.964+/-0.033 χ^2/NDF:1160651.0/22

All: 136.986+/-0.023 χ^2/NDF: 2502321.6/41



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -696.892+/-572.196 χ^2/NDF:9.9/3

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 298.949+/-486.388 χ^2/NDF:1.9/2

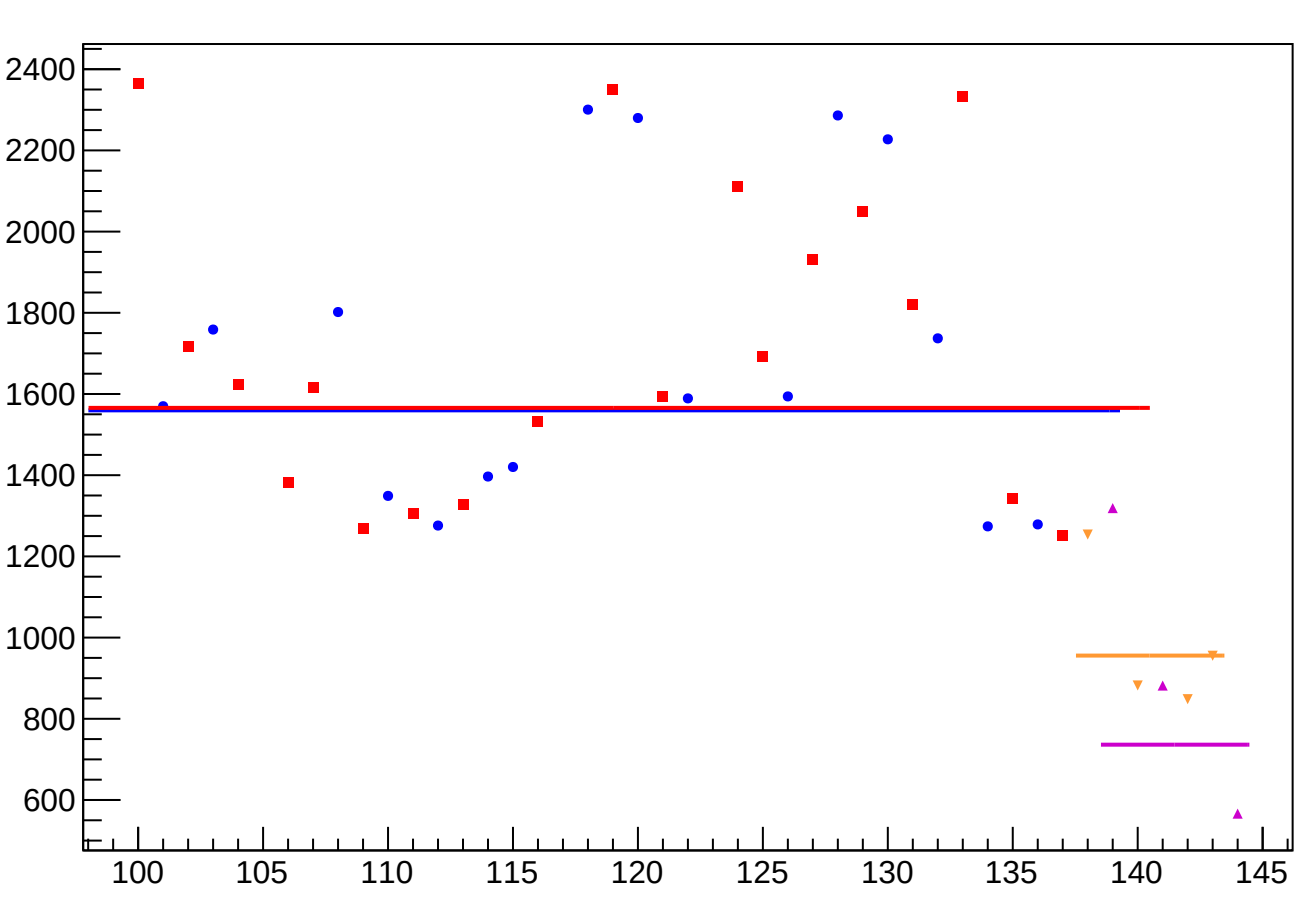
Left: -118.777+/-370.591 χ^2/NDF: 13.6/6

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -118.412+/-376.782 χ^2/NDF:27.2/18

Out: 306.341+/-409.332 χ^2/NDF:29.8/22

All: 76.407+/-277.219 χ^2/NDF: 57.5/41



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 955.678+/-0.405 χ^2/NDF:111983.0/3

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 736.229+/-0.344 χ^2/NDF:525590.0/2

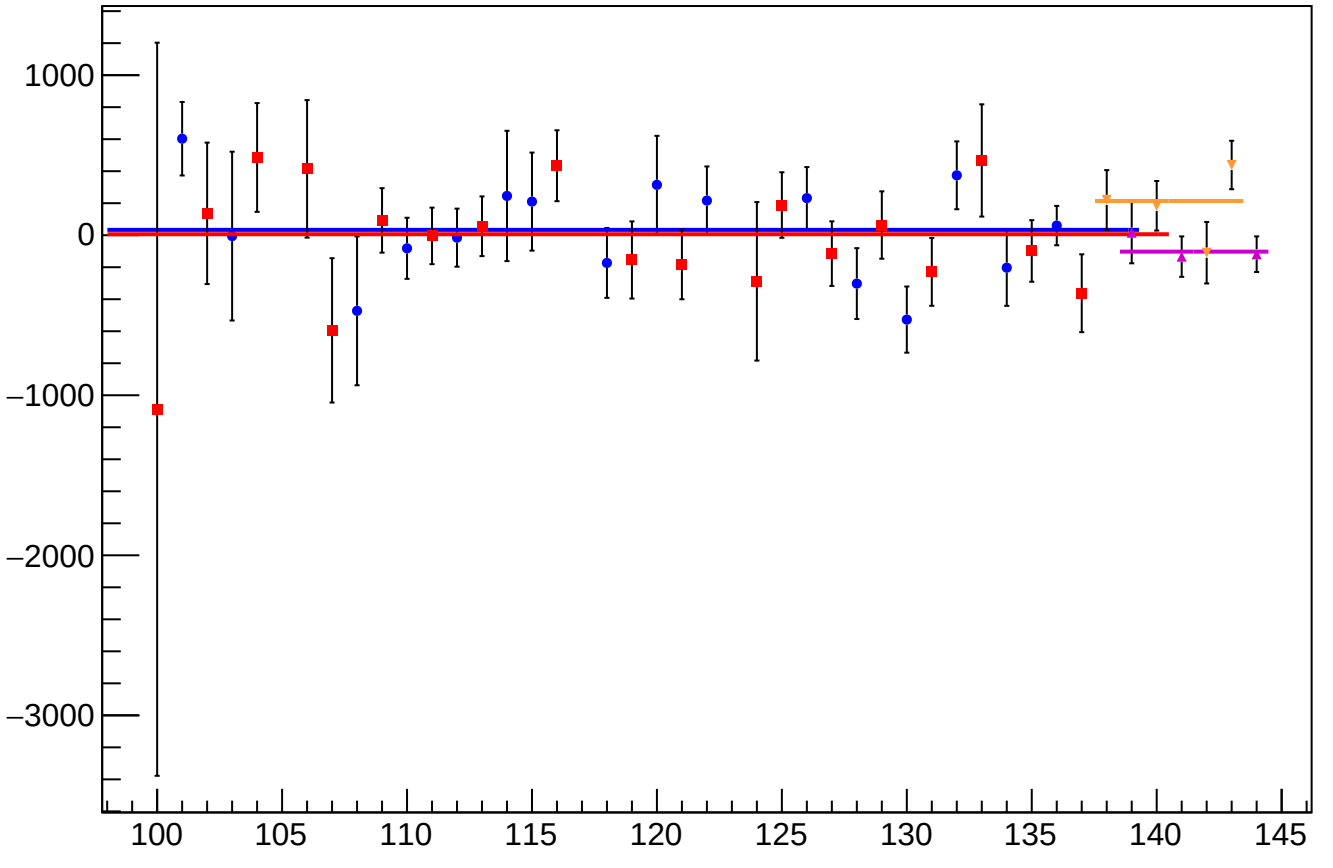
Left: 828.281+/-0.262 χ^2/NDF: 808351.8/6

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1065.559+/-0.266 χ^2/NDF:3422585.6/18

Out: 1253.572+/-0.289 χ^2/NDF:1786090.4/22

All: 1151.794+/-0.196 χ^2/NDF: 5437088.8/41



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.115 χ^2/NDF:5.1/3

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -102.670+/-76.526 χ^2/NDF:0.5/2

Left: 40.665+/-56.605 χ^2/NDF: 13.3/6

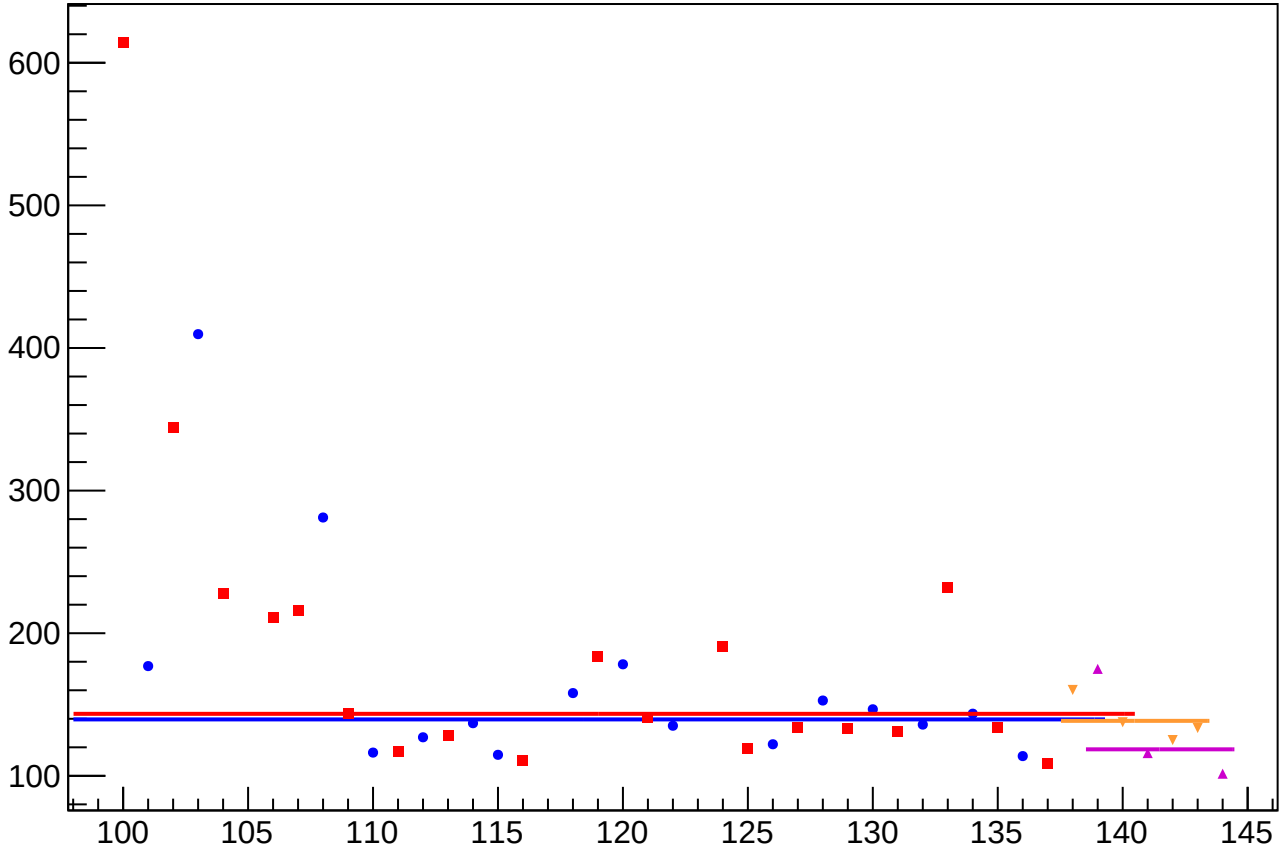
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: -12.798+/-44.612 χ^2/NDF:27.7/18

Out: 70.043+/-46.666 χ^2/NDF:26.6/22

All: 26.759+/-32.247 χ^2/NDF: 56.0/41

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.0/3

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 118.589+/-0.054 χ^2/NDF:222160.1/2

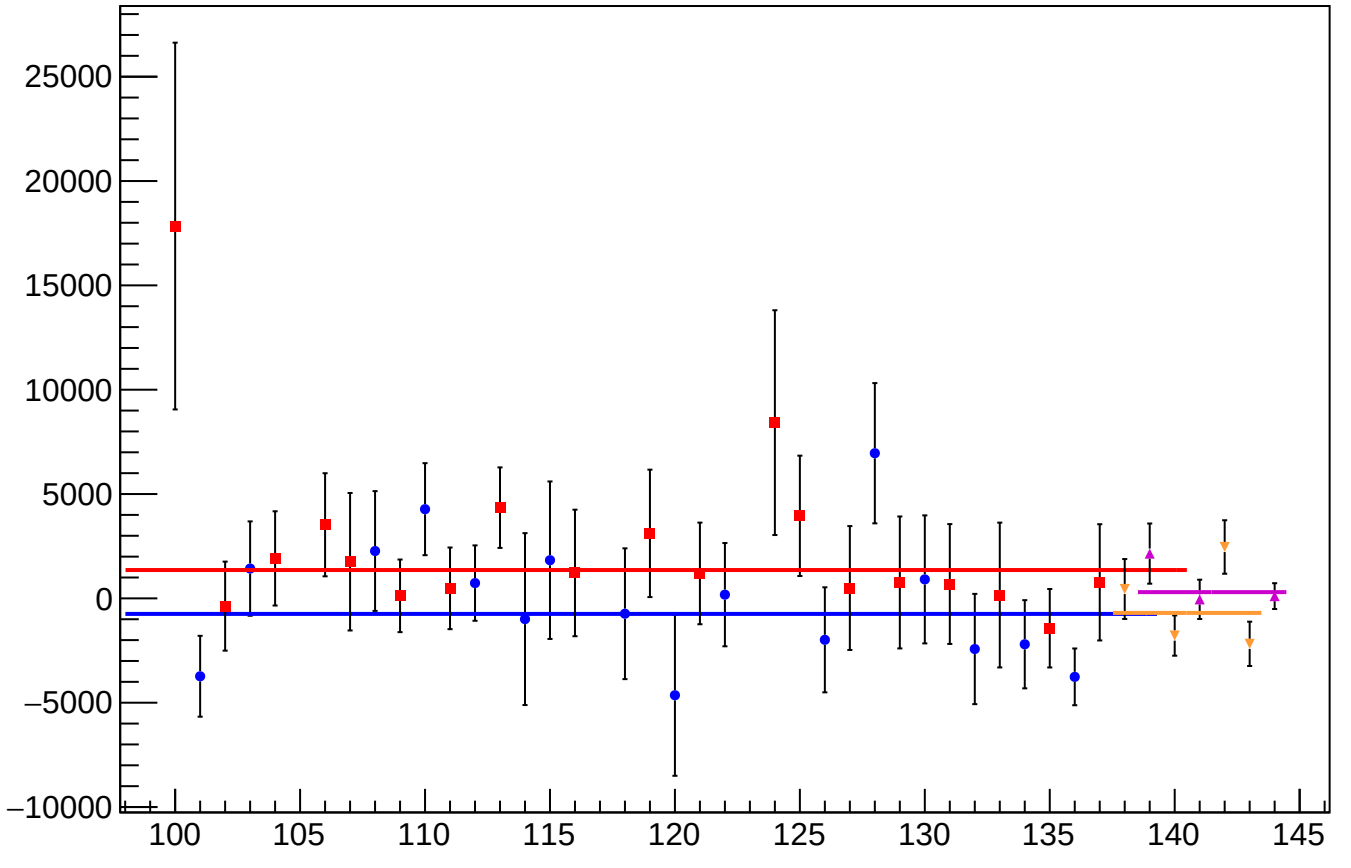
Left: 127.632+/-0.040 χ^2/NDF: 323076.9/6

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 132.437+/-0.032 χ^2/NDF:1298115.1/18

Out: 141.965+/-0.033 χ^2/NDF:1160656.6/22

All: 136.987+/-0.023 χ^2/NDF: 2502331.2/41



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -696.897+/-572.196 χ^2/NDF:9.9/3

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 298.949+/-486.388 χ^2/NDF:1.9/2

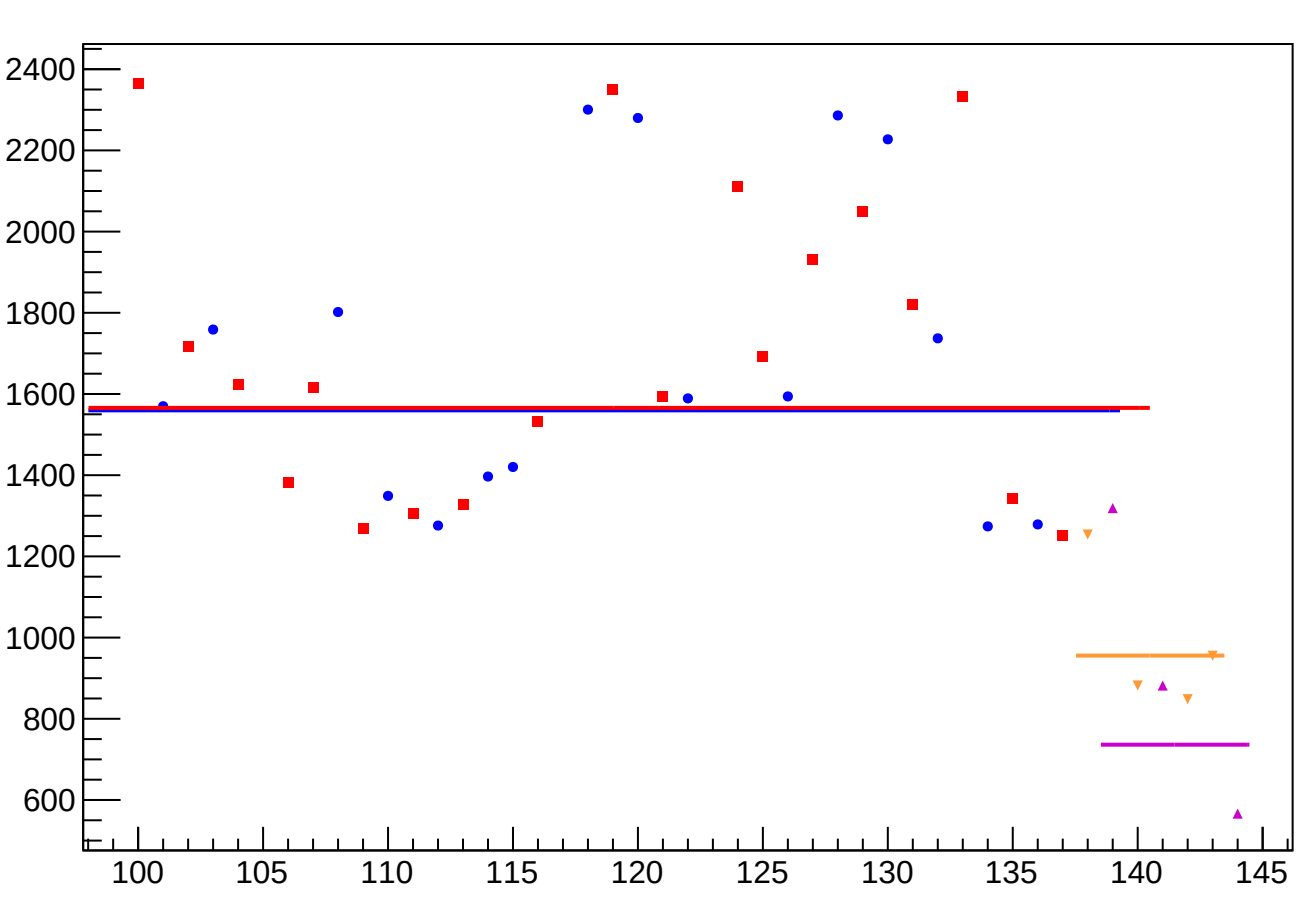
Left: -118.779+/-370.591 χ^2/NDF: 13.6/6

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -118.411+/-376.782 χ^2/NDF:27.2/18

Out: 306.339+/-409.331 χ^2/NDF:29.8/22

All: 76.407+/-277.219 χ^2/NDF: 57.5/41



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 955.677+/-0.405 χ^2/NDF:111984.1/3

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 736.228+/-0.344 χ^2/NDF:525590.7/2

Left: 828.281+/-0.262 χ^2/NDF: 808352.9/6

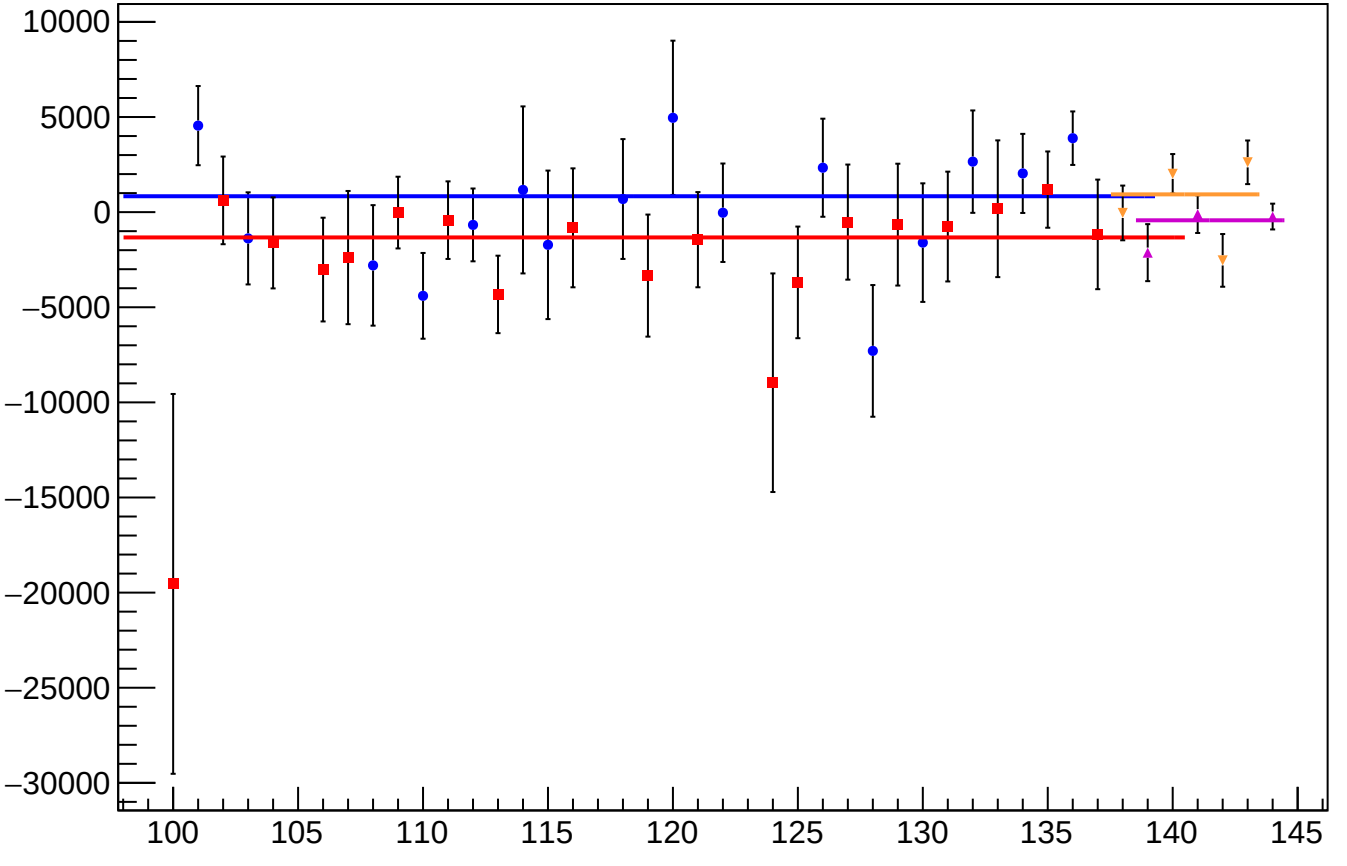
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1065.559+/-0.266 χ^2/NDF:3422583.4/18

Out: 1253.571+/-0.289 χ^2/NDF:1786087.8/22

All: 1151.793+/-0.196 χ^2/NDF: 5437082.4/41

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 934.027+/-609.745 χ^2/NDF:10.0/3

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -428.776+/-523.948 χ^2/NDF:1.5/2

Left: 150.078+/-397.389 χ^2/NDF: 14.3/6

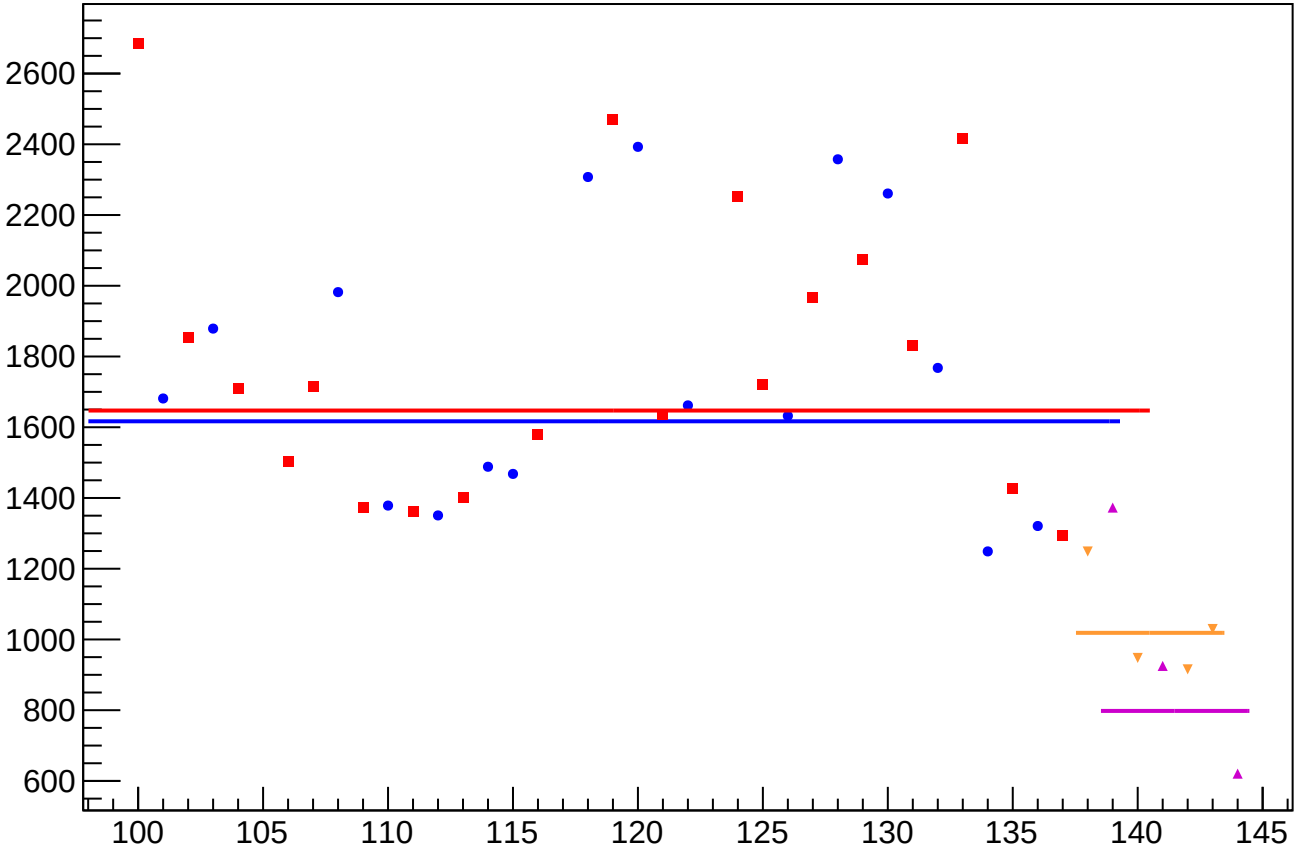
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 99.159+/-399.859 χ^2/NDF:28.8/18

Out: -185.419+/-433.498 χ^2/NDF:28.9/22

All: -31.661+/-293.917 χ^2/NDF: 57.9/41

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1018.727+/-0.431 χ^2/NDF:71723.2/3

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.946+/-0.370 χ^2/NDF:464444.1/2

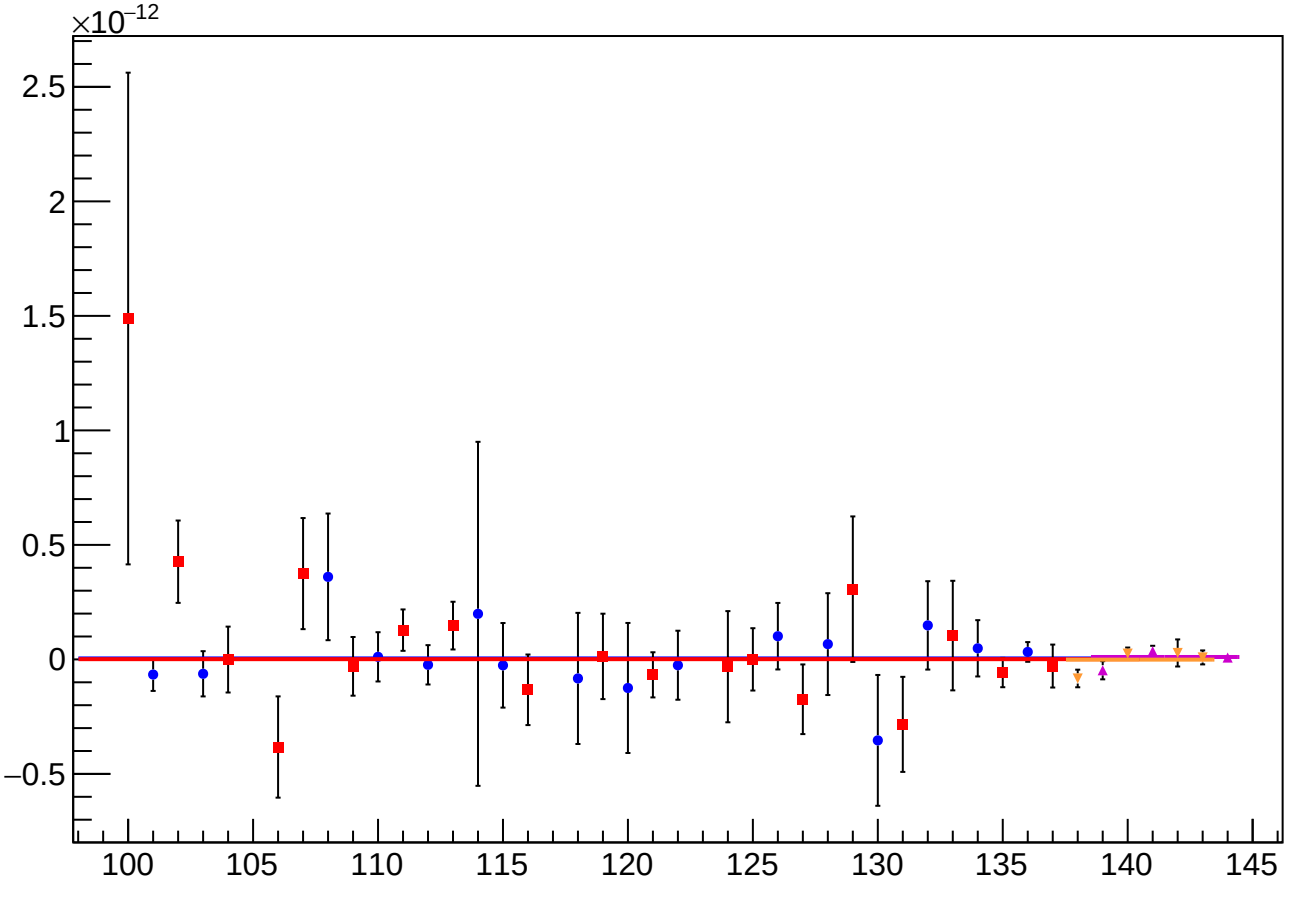
Left: 891.724+/-0.281 χ^2/NDF: 687005.5/6

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1139.885+/-0.283 χ^2/NDF:3126619.6/18

Out: 1329.552+/-0.307 χ^2/NDF:1646466.5/22

All: 1227.075+/-0.208 χ^2/NDF: 4979944.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/2

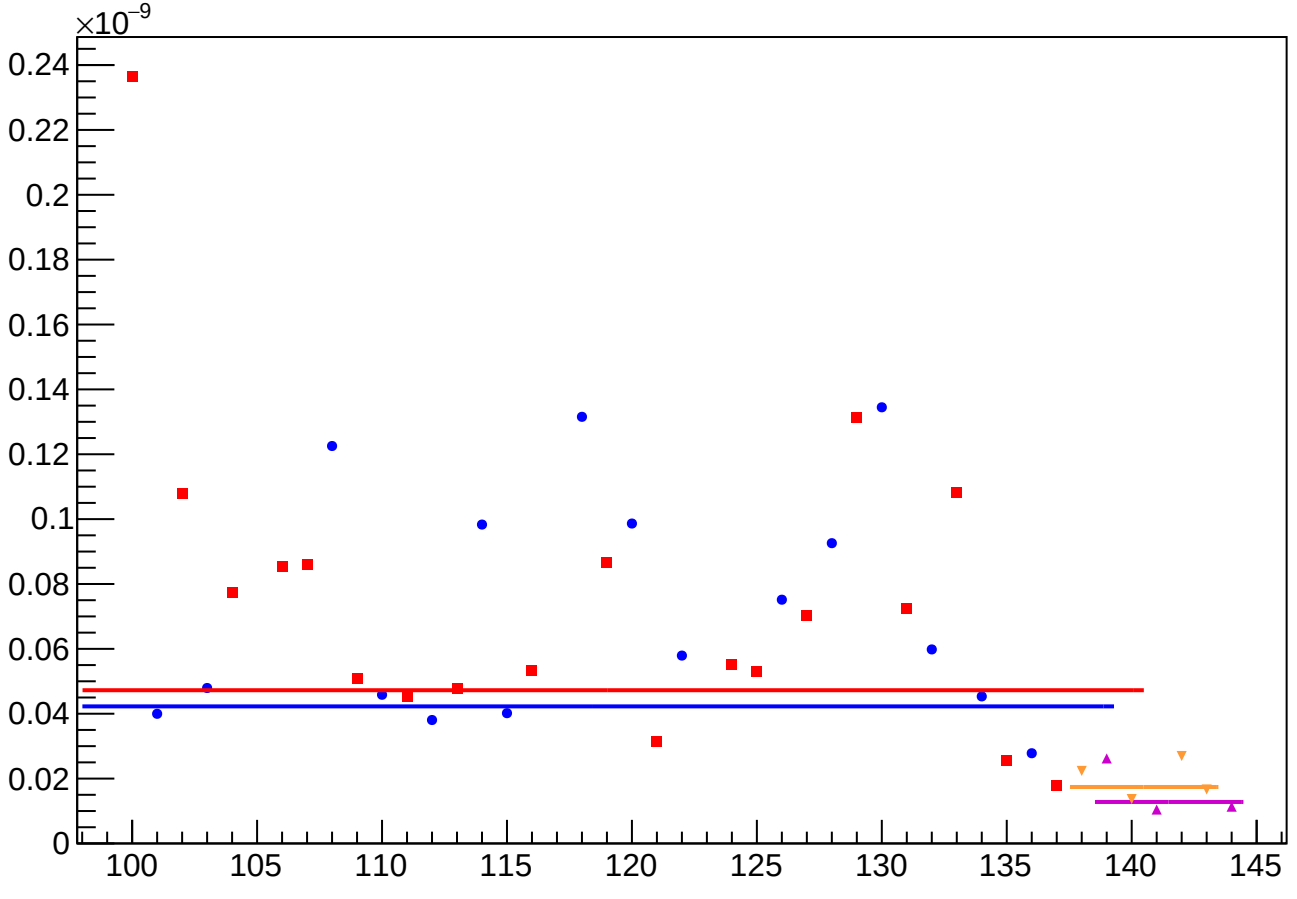
Left: 0.000+/-0.000 χ^2/NDF: 9.5/6

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/18

Out: -0.000+/-0.000 χ^2/NDF:29.3/22

All: 0.000+/-0.000 χ^2/NDF: 39.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:125756.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:261332.4/2

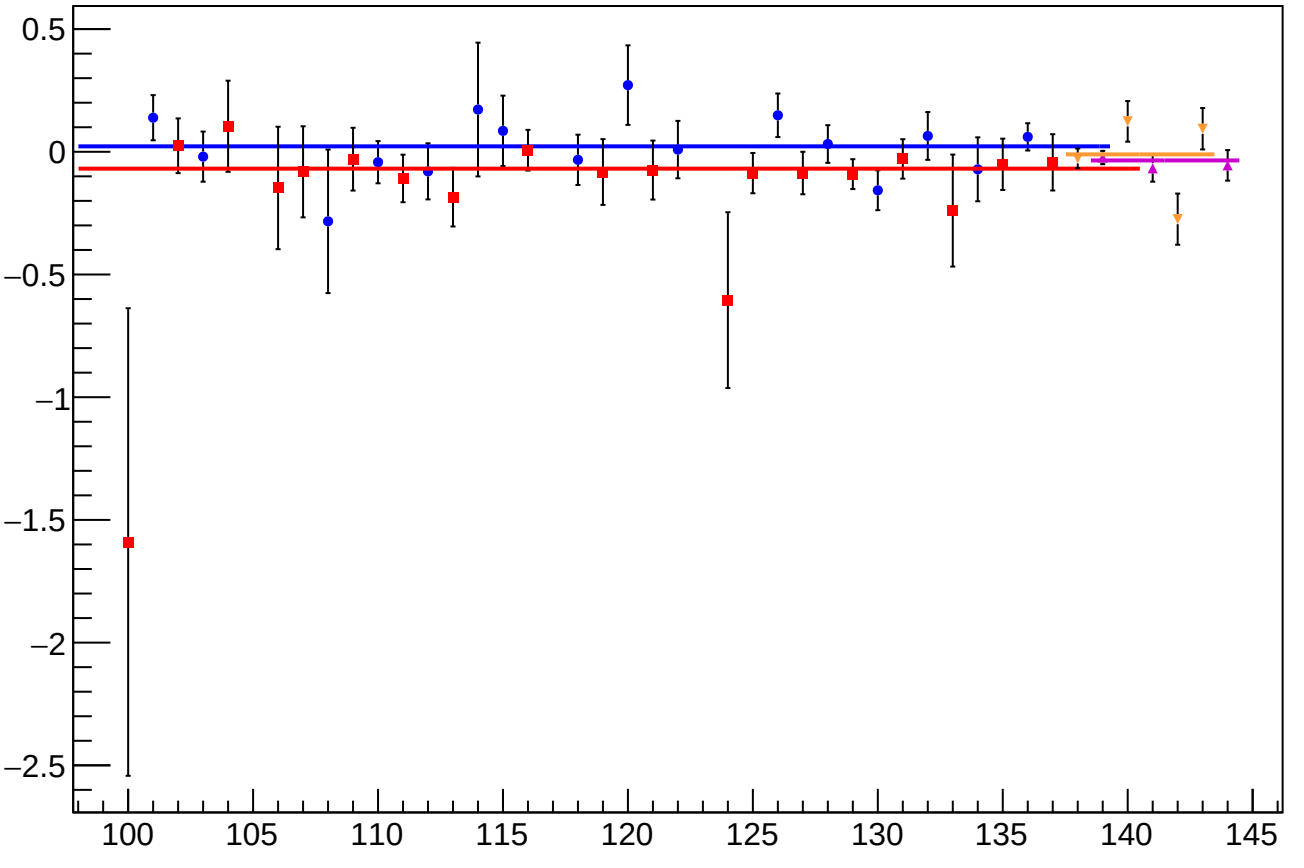
Left: 0.000+/-0.000 χ^2/NDF: 477266.4/6

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3286854.8/18

Out: 0.000+/-0.000 χ^2/NDF:3010072.6/22

All: 0.000+/-0.000 χ^2/NDF: 6489589.6/41



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.035+/-0.023 χ^2/NDF:0.6/2

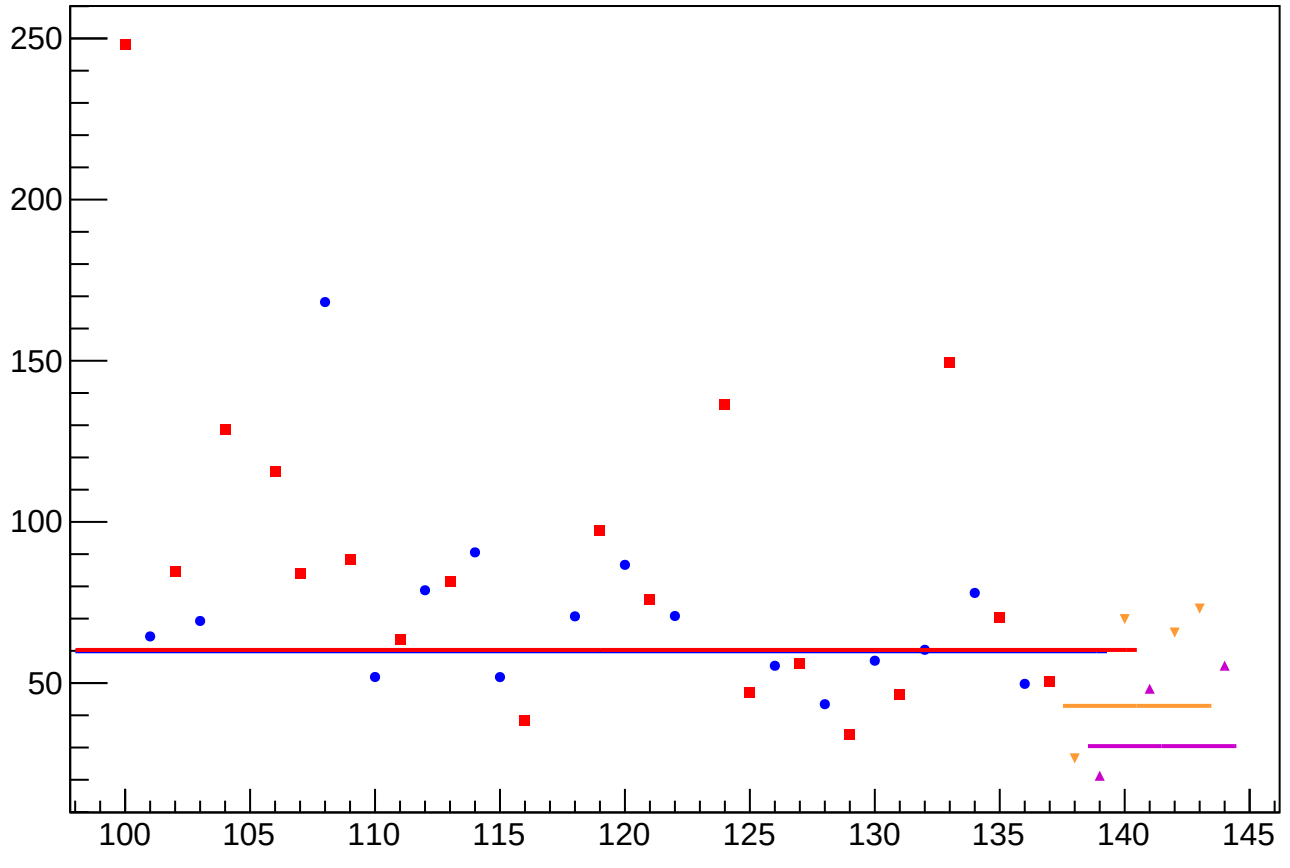
Left: -0.027+/-0.018 χ^2/NDF: 11.8/6

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.017 χ^2/NDF:19.1/18

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.024+/-0.013 χ^2/NDF: 43.5/41



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 30.443+/-0.016 χ^2/NDF:765852.6/2

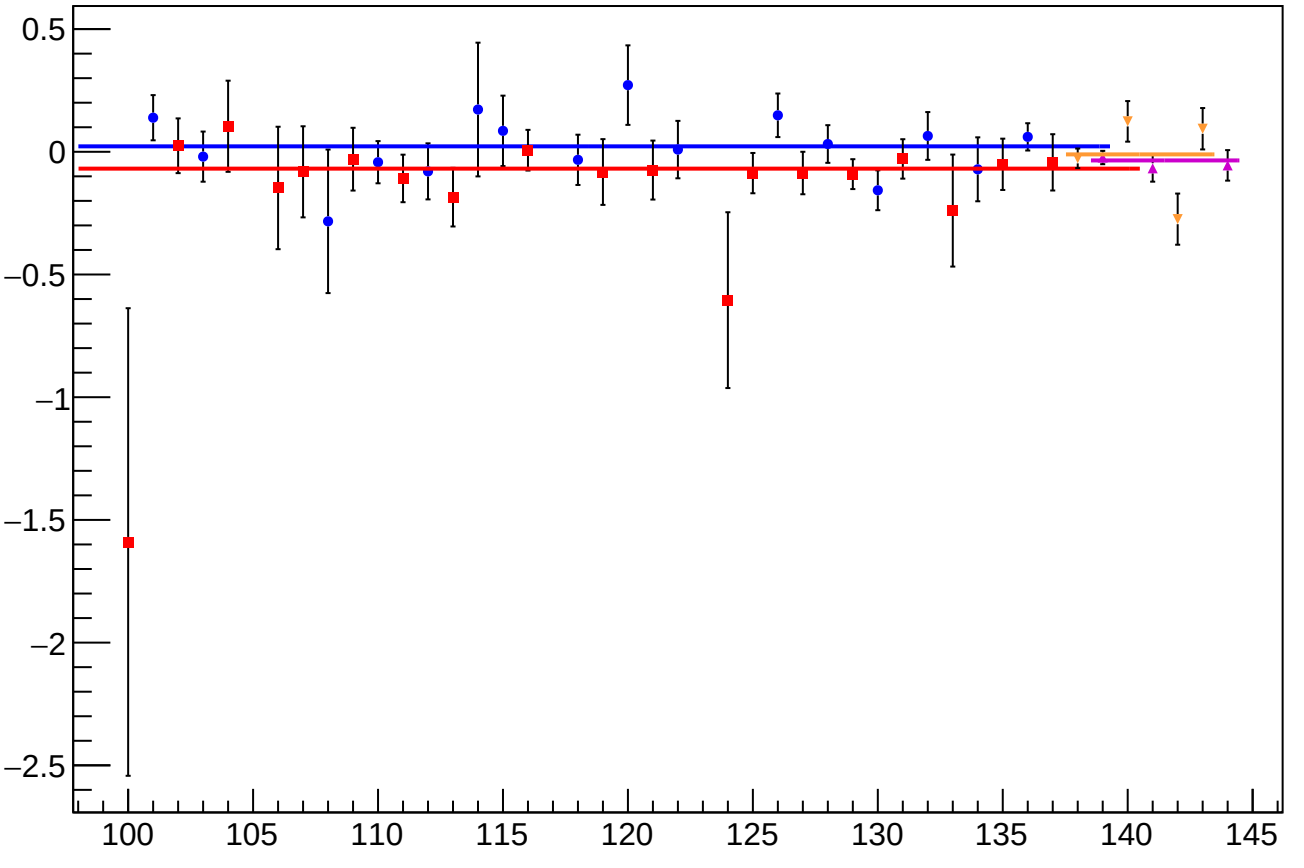
Left: 34.697+/-0.013 χ^2/NDF: 1871306.5/6

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 43.884+/-0.012 χ^2/NDF:3009797.3/18

Out: 53.477+/-0.014 χ^2/NDF:3244342.2/22

All: 47.886+/-0.009 χ^2/NDF: 6530289.7/41



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.035+/-0.023 χ^2/NDF:0.6/2

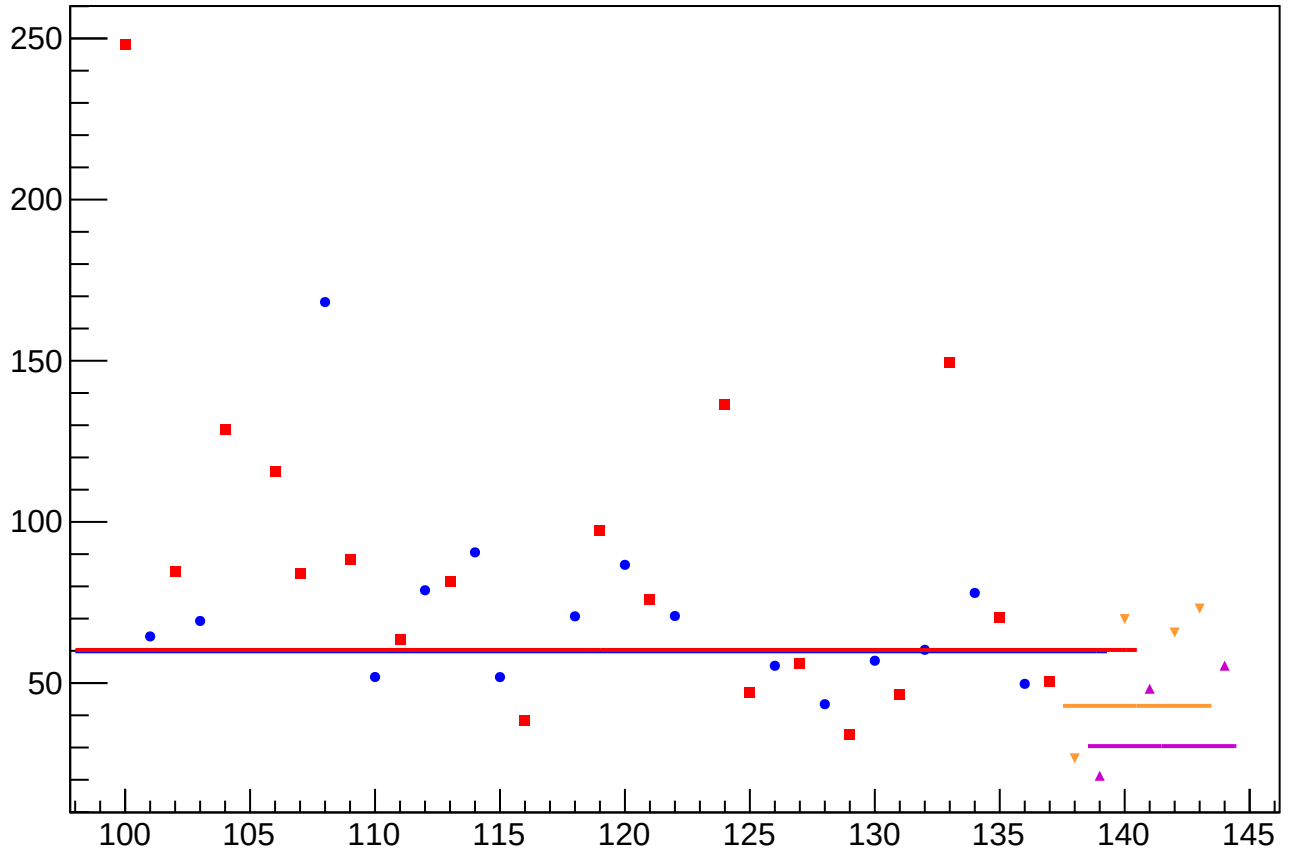
Left: -0.027+/-0.018 χ^2/NDF: 11.8/6

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.017 χ^2/NDF:19.1/18

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.024+/-0.013 χ^2/NDF: 43.5/41



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 30.443+/-0.016 χ^2/NDF:765852.6/2

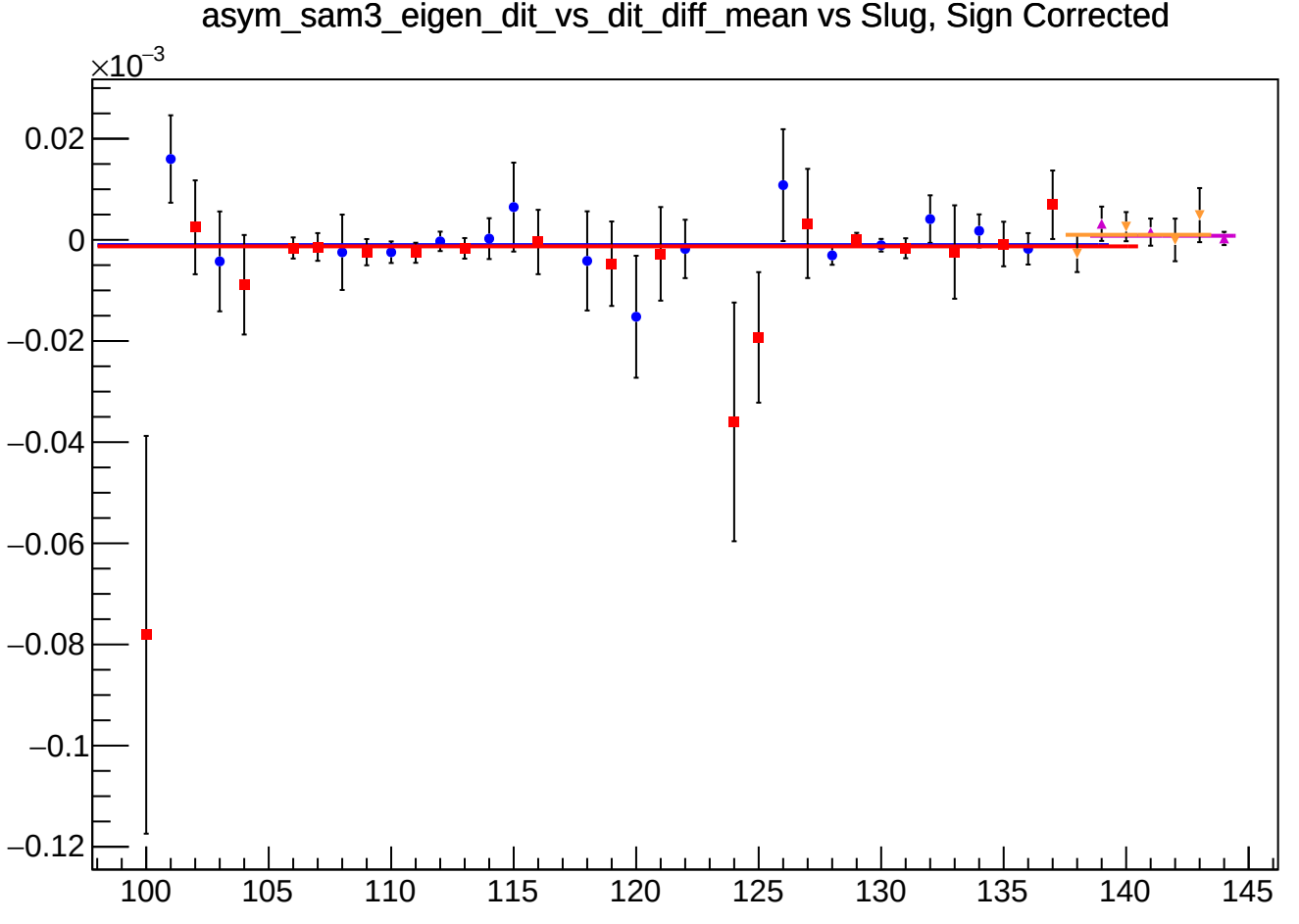
Left: 34.697+/-0.013 χ^2/NDF: 1871306.5/6

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 43.884+/-0.012 χ^2/NDF:3009797.3/18

Out: 53.477+/-0.014 χ^2/NDF:3244342.2/22

All: 47.886+/-0.009 χ^2/NDF: 6530289.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

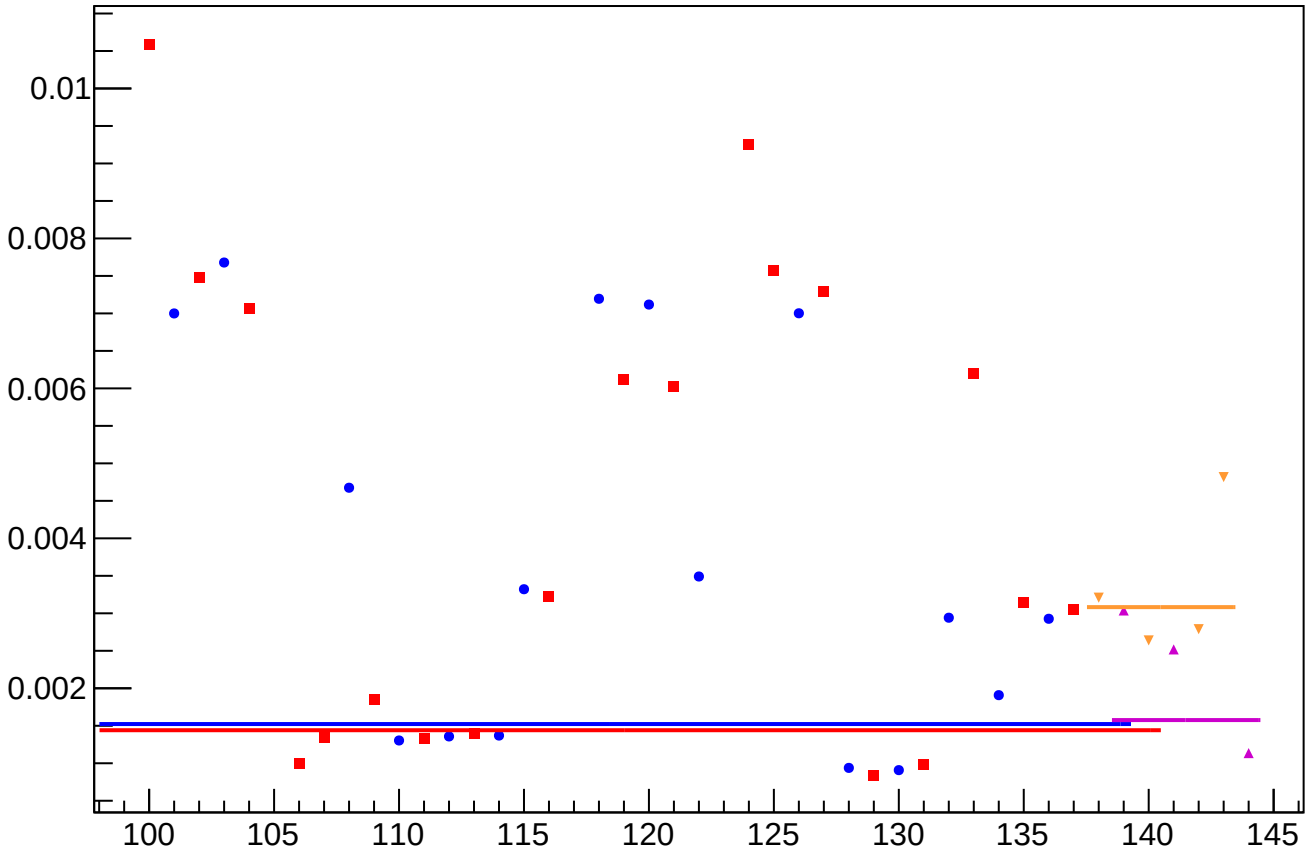
Left: 0.000+/-0.000 χ^2/NDF: 2.6/6

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:13.9/18

Out: -0.000+/-0.000 χ^2/NDF:15.7/22

All: -0.000+/-0.000 χ^2/NDF: 29.9/41



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:270024.4/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:845926.8/2

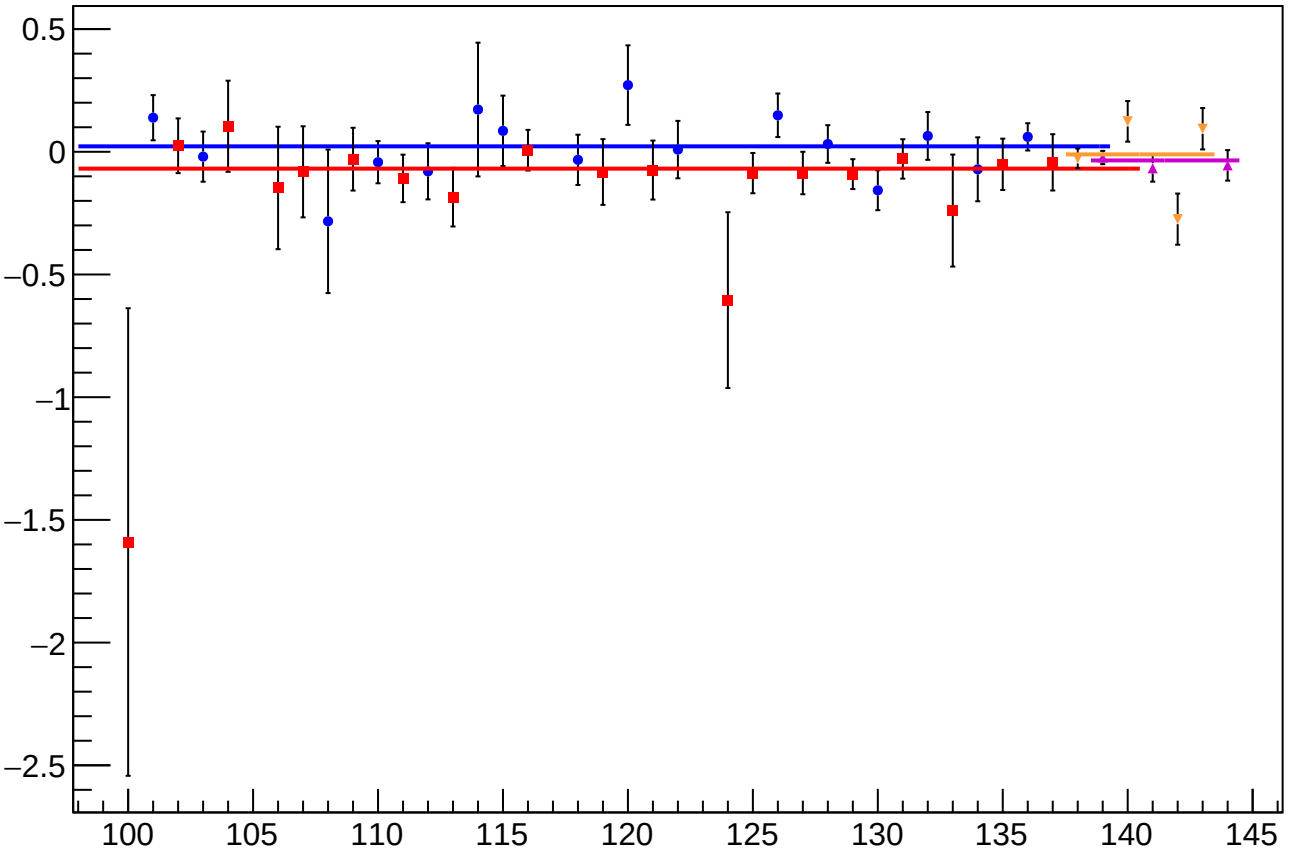
Left: 0.002+/-0.000 χ^2/NDF: 2075046.3/6

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6031960.3/18

Out: 0.002+/-0.000 χ^2/NDF:7410772.8/22

All: 0.002+/-0.000 χ^2/NDF: 13468776.6/41



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.035+/-0.023 χ^2/NDF:0.6/2

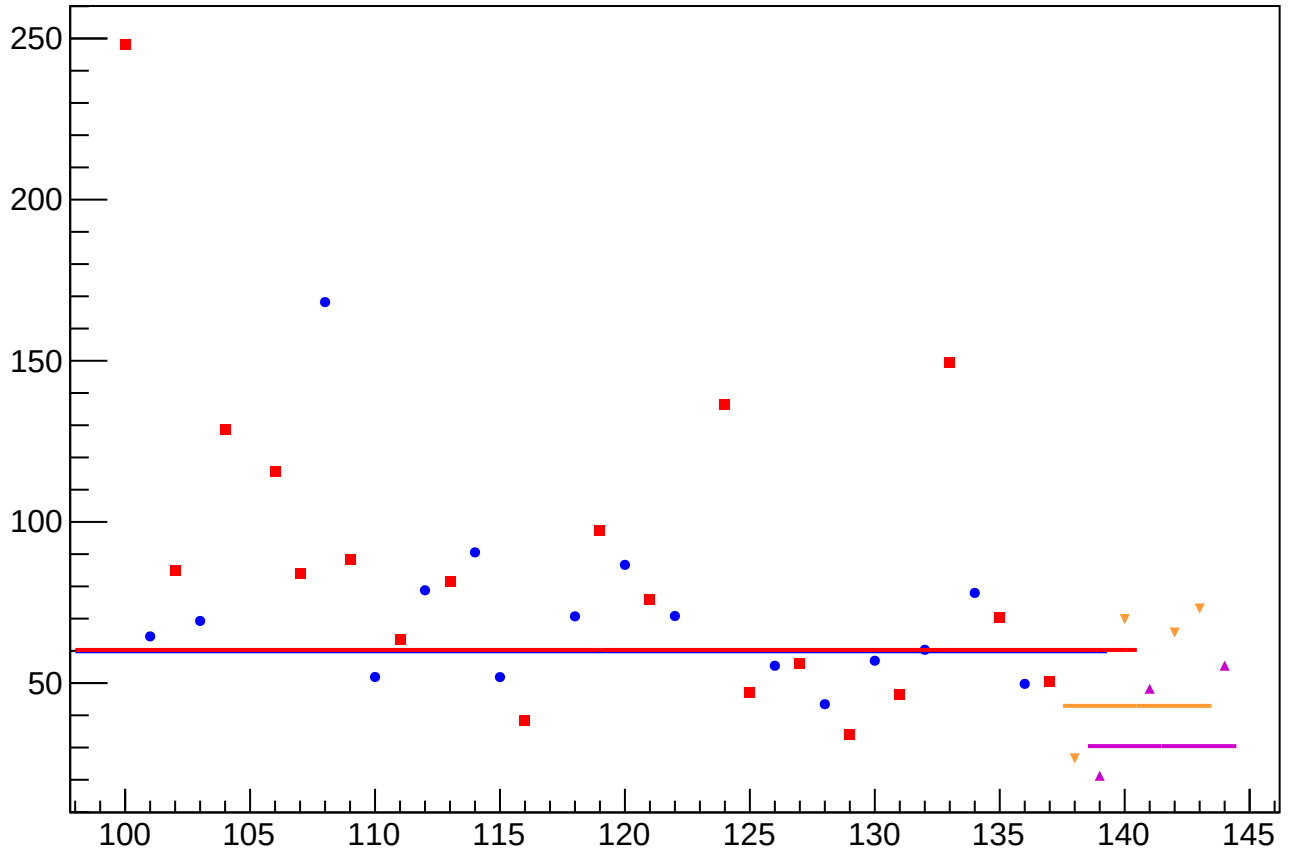
Left: -0.027+/-0.018 χ^2/NDF: 11.8/6

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.017 χ^2/NDF:19.1/18

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.024+/-0.013 χ^2/NDF: 43.5/41



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 42.929+/-0.022 χ^2/NDF:898049.6/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 30.441+/-0.016 χ^2/NDF:765951.7/2

Left: 34.696+/-0.013 χ^2/NDF: 1871558.7/6

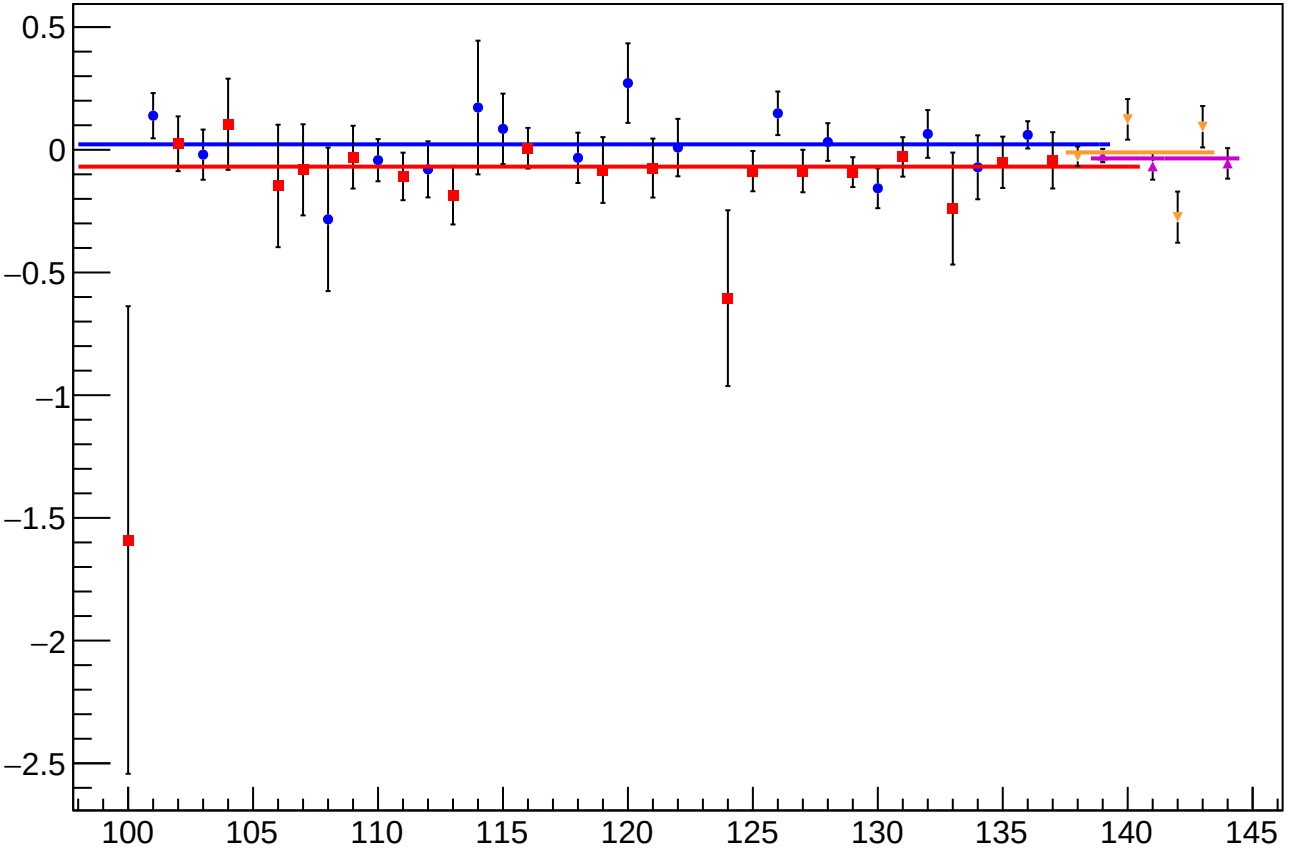
Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 43.883+/-0.012 χ^2/NDF:3010190.3/18

Out: 53.476+/-0.014 χ^2/NDF:3244706.4/22

All: 47.885+/-0.009 χ^2/NDF: 6531060.9/41

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.035+/-0.023 χ^2/NDF:0.6/2

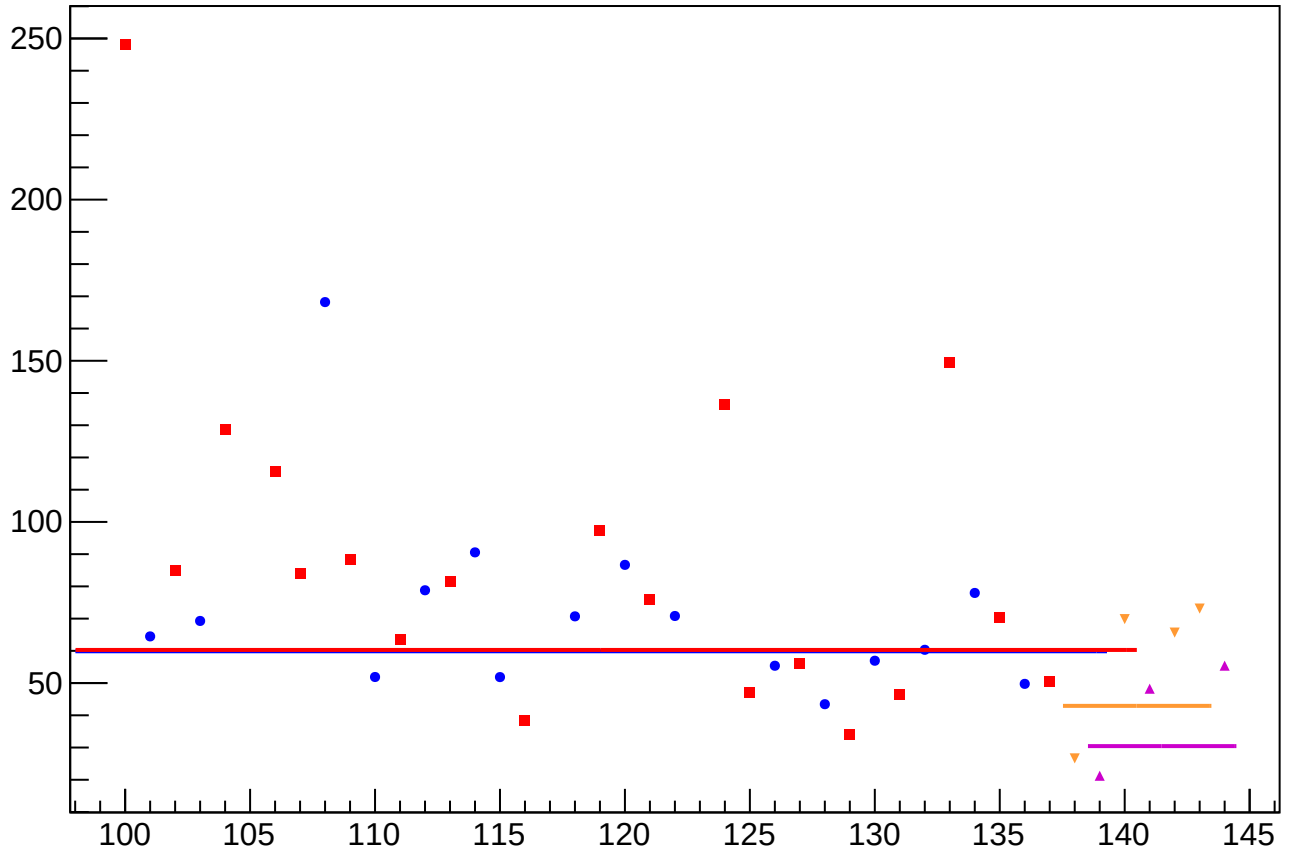
Left: -0.027+/-0.018 χ^2/NDF: 11.8/6

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.017 χ^2/NDF:19.1/18

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.024+/-0.013 χ^2/NDF: 43.5/41



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 42.929+/-0.022 χ^2/NDF:898049.6/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 30.441+/-0.016 χ^2/NDF:765951.7/2

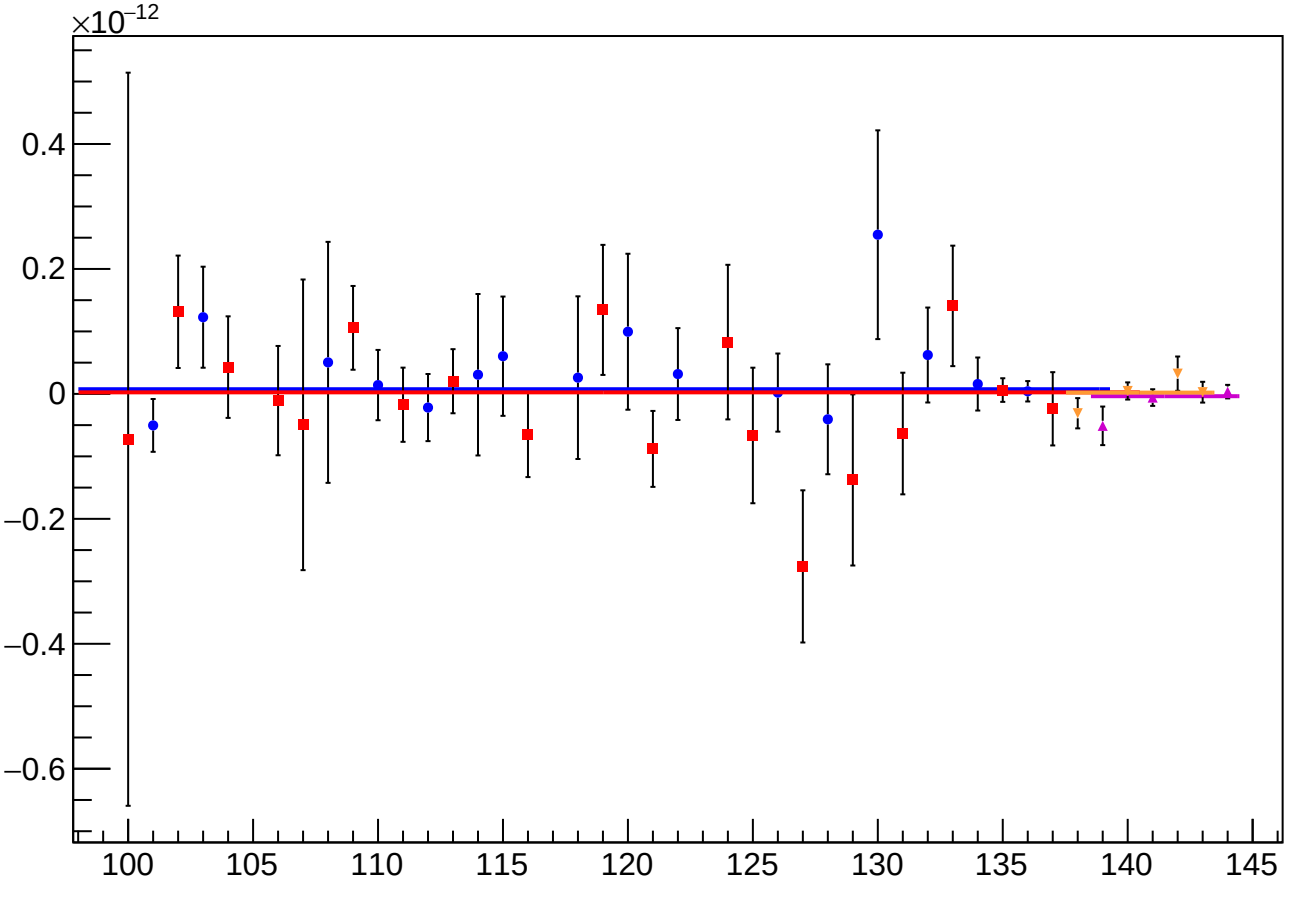
Left: 34.696+/-0.013 χ^2/NDF: 1871558.7/6

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 43.883+/-0.012 χ^2/NDF:3010190.3/18

Out: 53.476+/-0.014 χ^2/NDF:3244706.4/22

All: 47.885+/-0.009 χ^2/NDF: 6531060.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/2

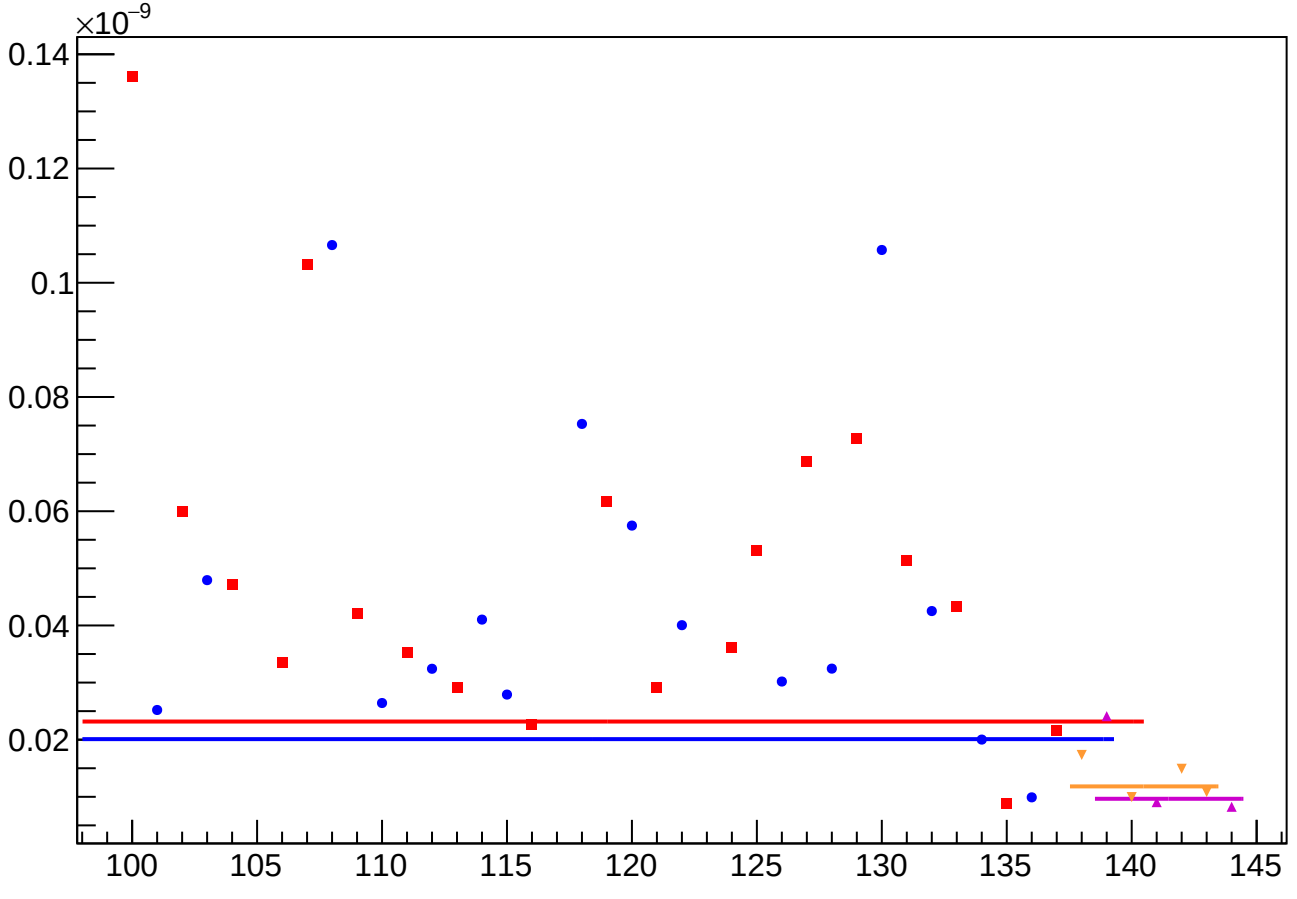
Left: -0.000+/-0.000 χ^2/NDF: 6.2/6

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:11.8/18

Out: 0.000+/-0.000 χ^2/NDF:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 34.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:172907.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:476299.0/2

Left: 0.000+/-0.000 χ^2/NDF: 712037.1/6

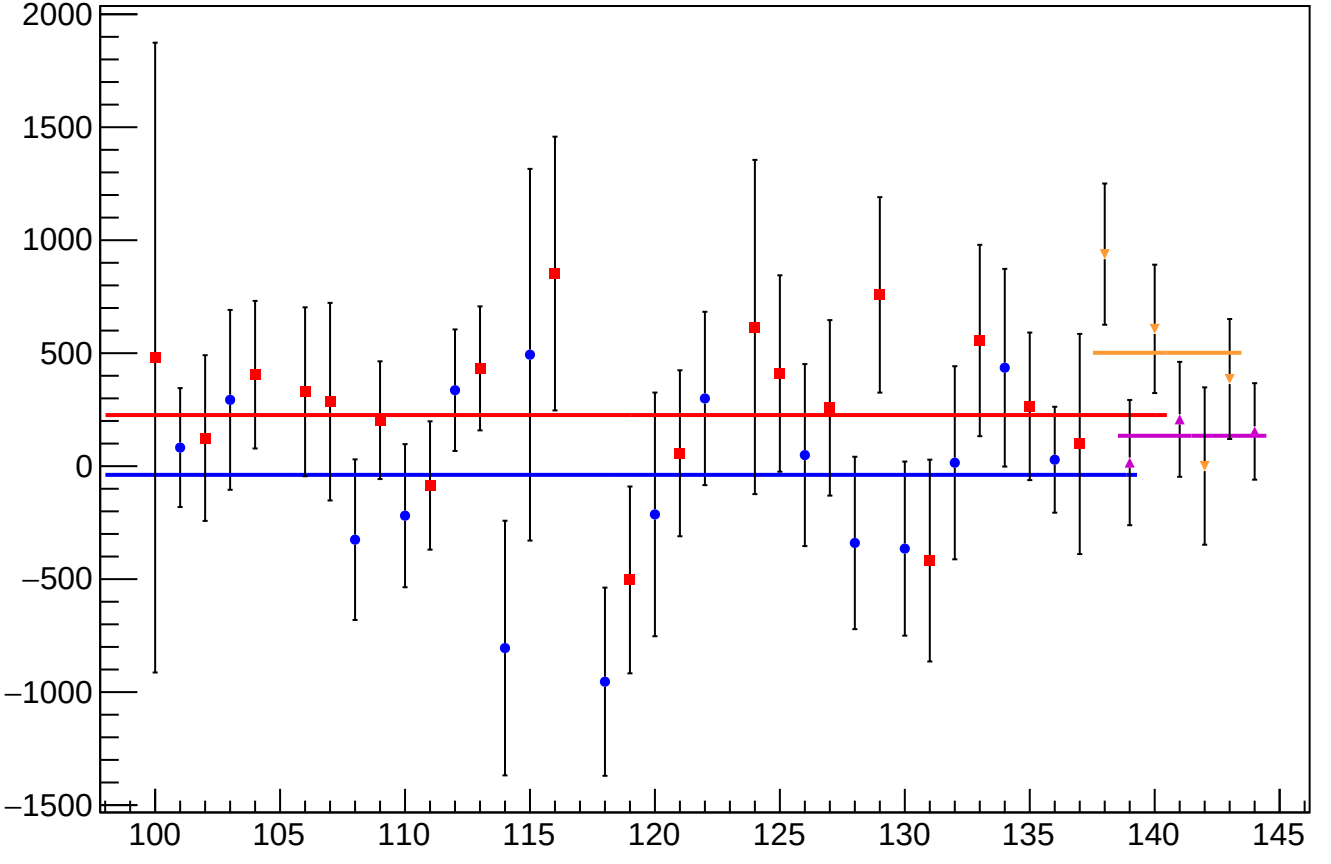
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4620701.0/18

Out: 0.000+/-0.000 χ^2/NDF:4671217.5/22

All: 0.000+/-0.000 χ^2/NDF: 9414591.1/41

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.792+/-148.964 χ^2/NDF:4.4/3

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 134.496+/-140.841 χ^2/NDF:0.3/2

Left: 307.857+/-102.341 χ^2/NDF: 7.8/6

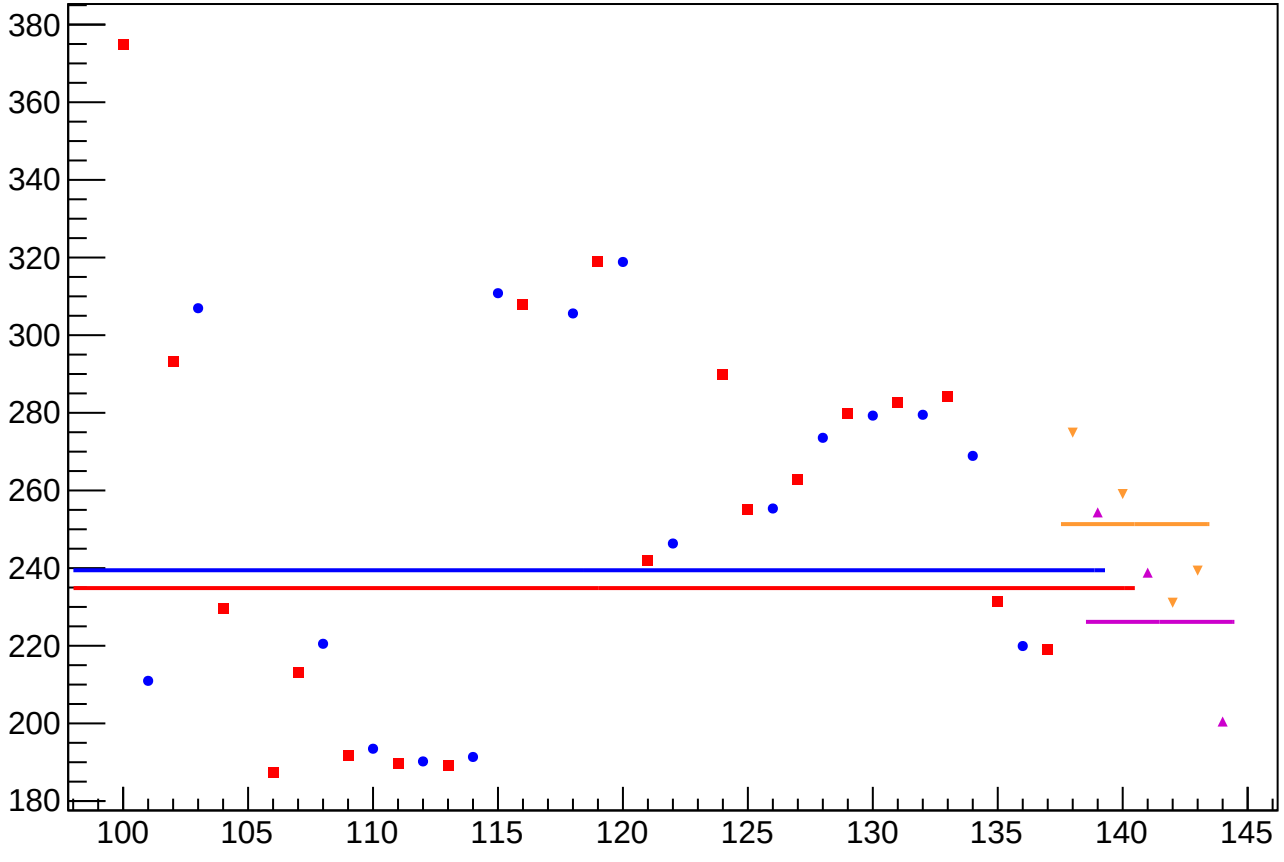
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 12.150+/-76.207 χ^2/NDF:15.8/18

Out: 297.361+/-75.708 χ^2/NDF:18.3/22

All: 155.693+/-53.709 χ^2/NDF: 41.2/41

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 226.157+/-0.100 χ^2/NDF:54584.7/2

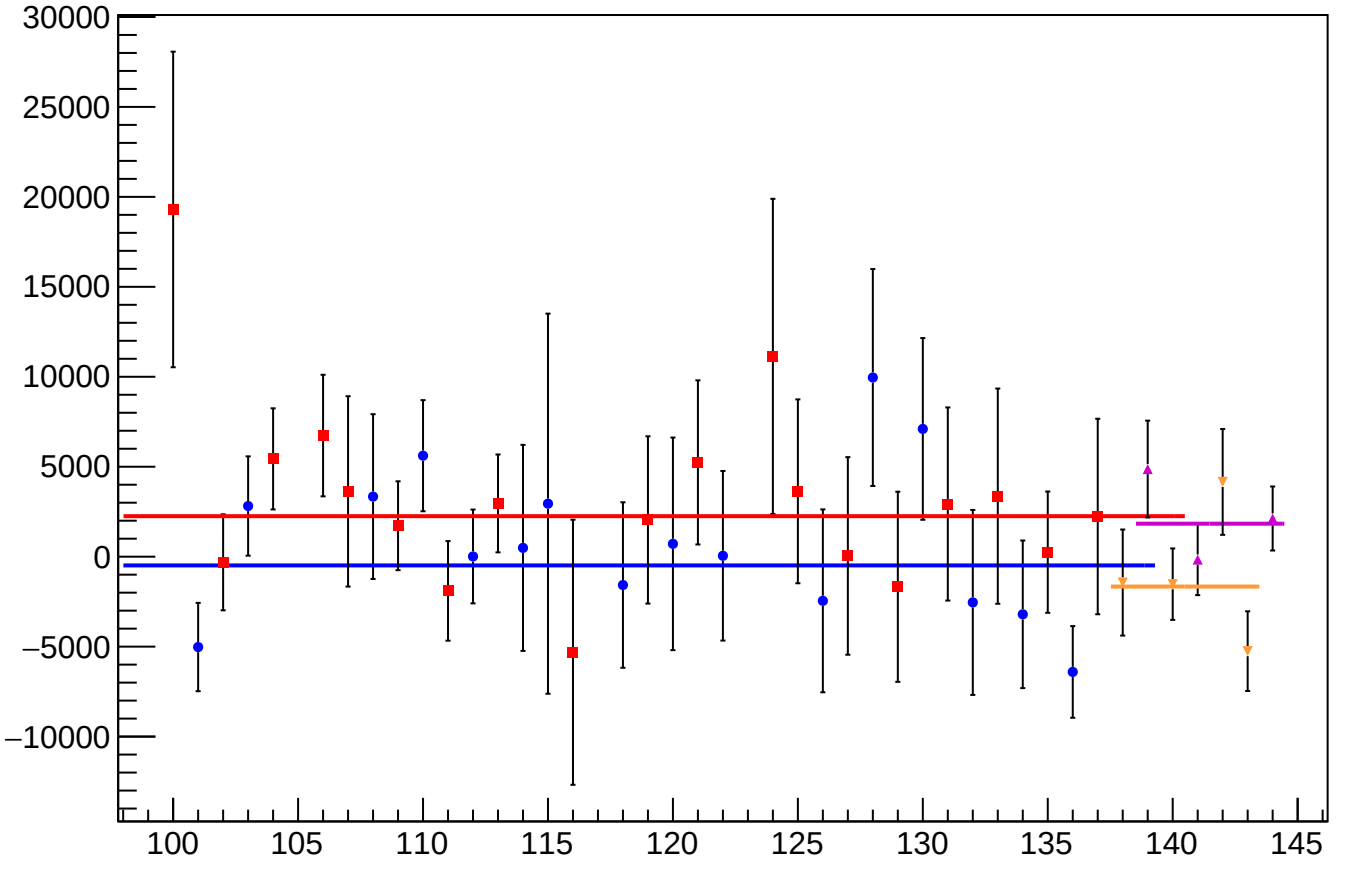
Left: 238.042+/-0.072 χ^2/NDF: 108441.4/6

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 235.558+/-0.054 χ^2/NDF:468138.1/18

Out: 239.112+/-0.054 χ^2/NDF:523560.9/22

All: 237.346+/-0.038 χ^2/NDF: 993888.5/41



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1660.451+/-1205.406 χ^2/NDF:6.5/3

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1833.869+/-1186.985 χ^2/NDF:2.3/2

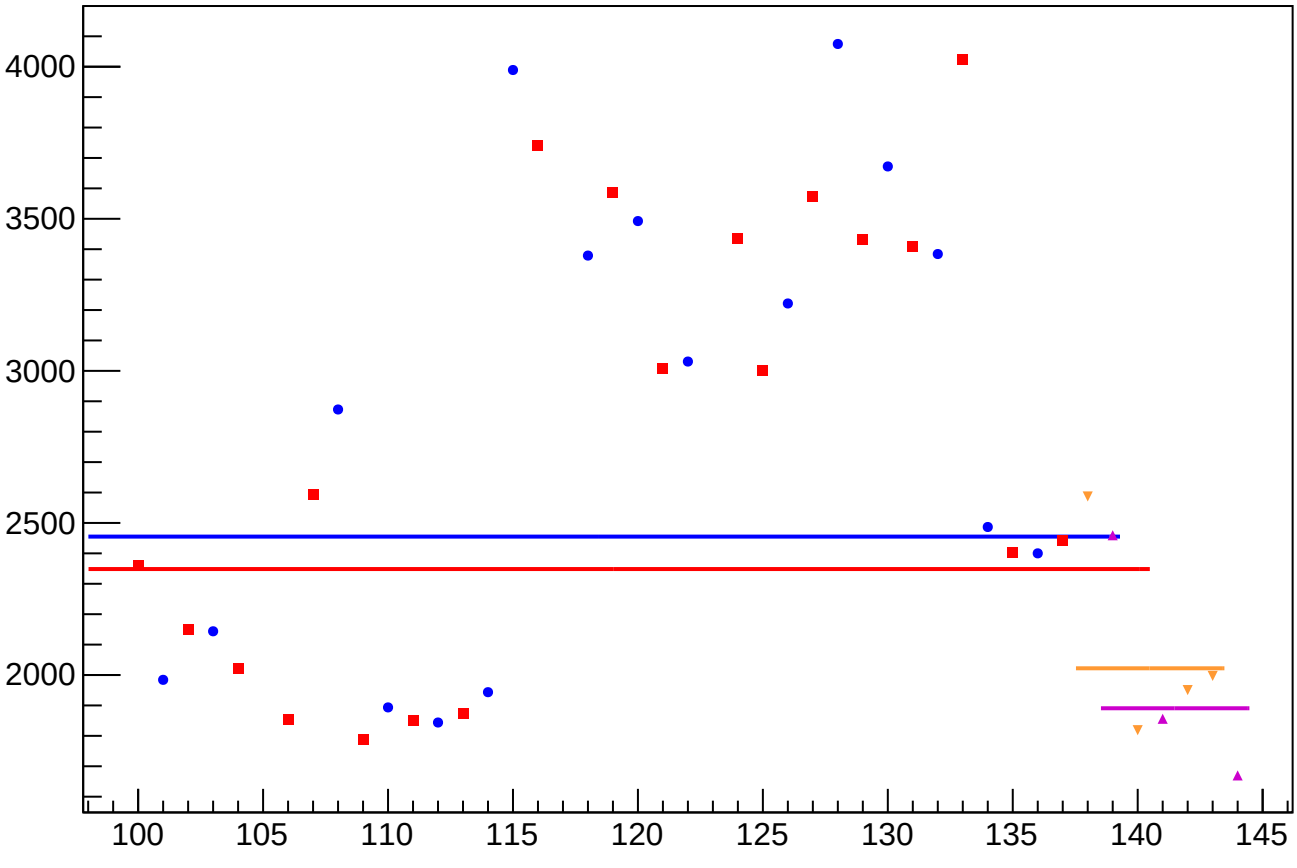
Left: 113.612+/-845.763 χ^2/NDF: 13.1/6

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 416.879+/-740.489 χ^2/NDF:25.8/18

Out: 863.208+/-718.153 χ^2/NDF:27.2/22

All: 646.876+/-515.526 χ^2/NDF: 53.2/41



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2022.093+/-0.852 χ^2/NDF:95913.9/3

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1890.699+/-0.839 χ^2/NDF:120771.7/2

Left: 1955.384+/-0.598 χ^2/NDF: 228750.4/6

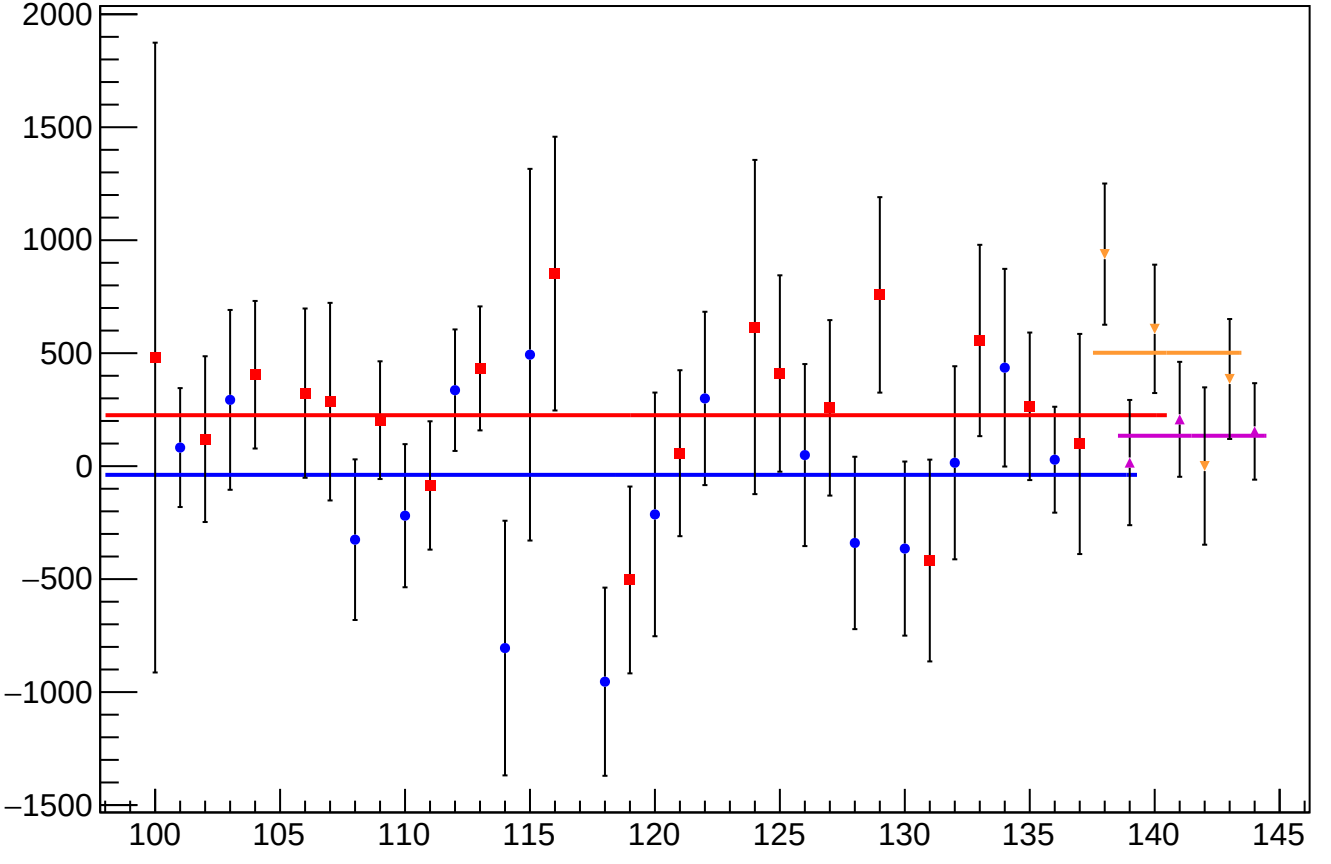
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2235.450+/-0.524 χ^2/NDF:1291368.8/18

Out: 2232.607+/-0.508 χ^2/NDF:1242900.9/22

All: 2233.985+/-0.365 χ^2/NDF: 2534284.8/41

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 134.513+/-140.841 χ^2/NDF:0.3/2

Left: 307.878+/-102.341 χ^2/NDF: 7.8/6

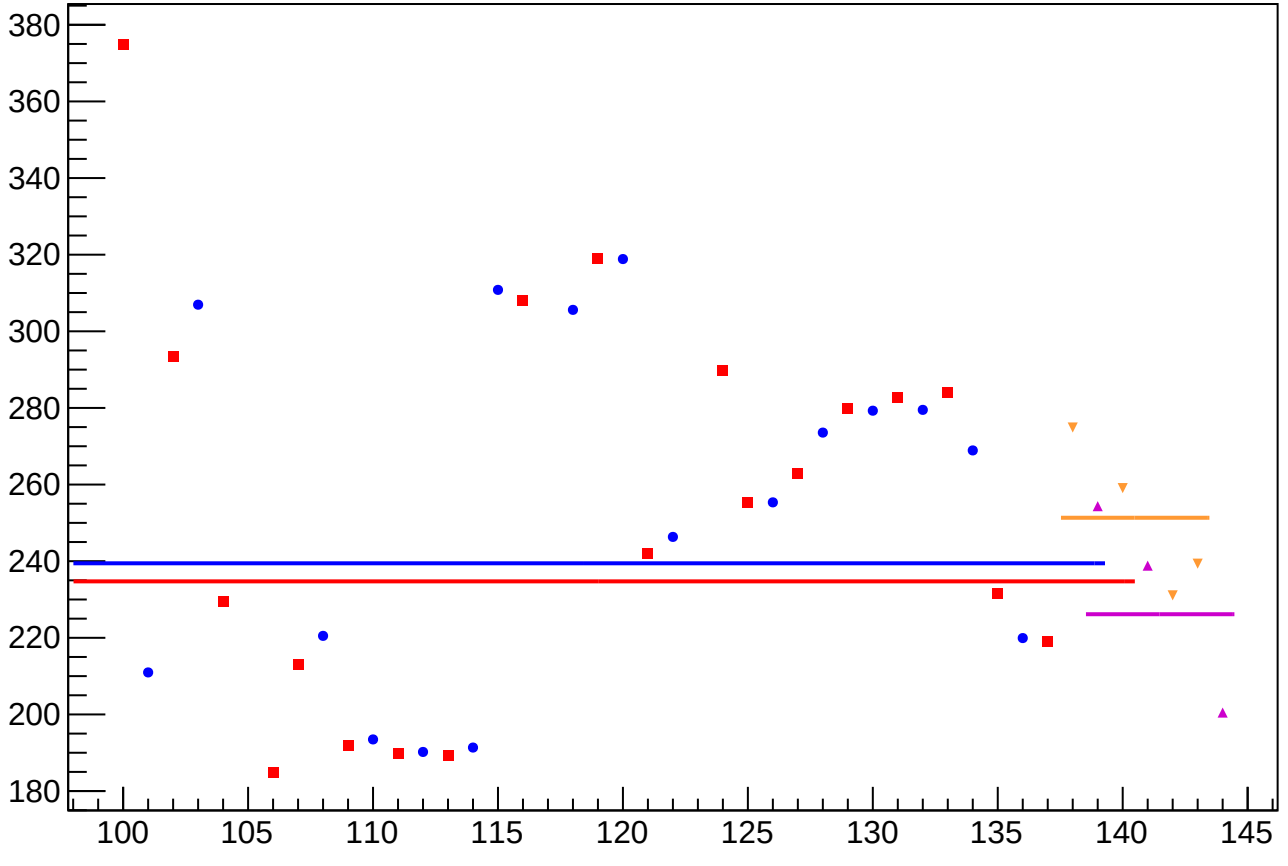
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 12.140+/-76.207 χ^2/NDF:15.8/18

Out: 296.899+/-75.717 χ^2/NDF:18.3/22

All: 155.439+/-53.712 χ^2/NDF: 41.2/41

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 226.157+/-0.100 χ^2/NDF:54584.7/2

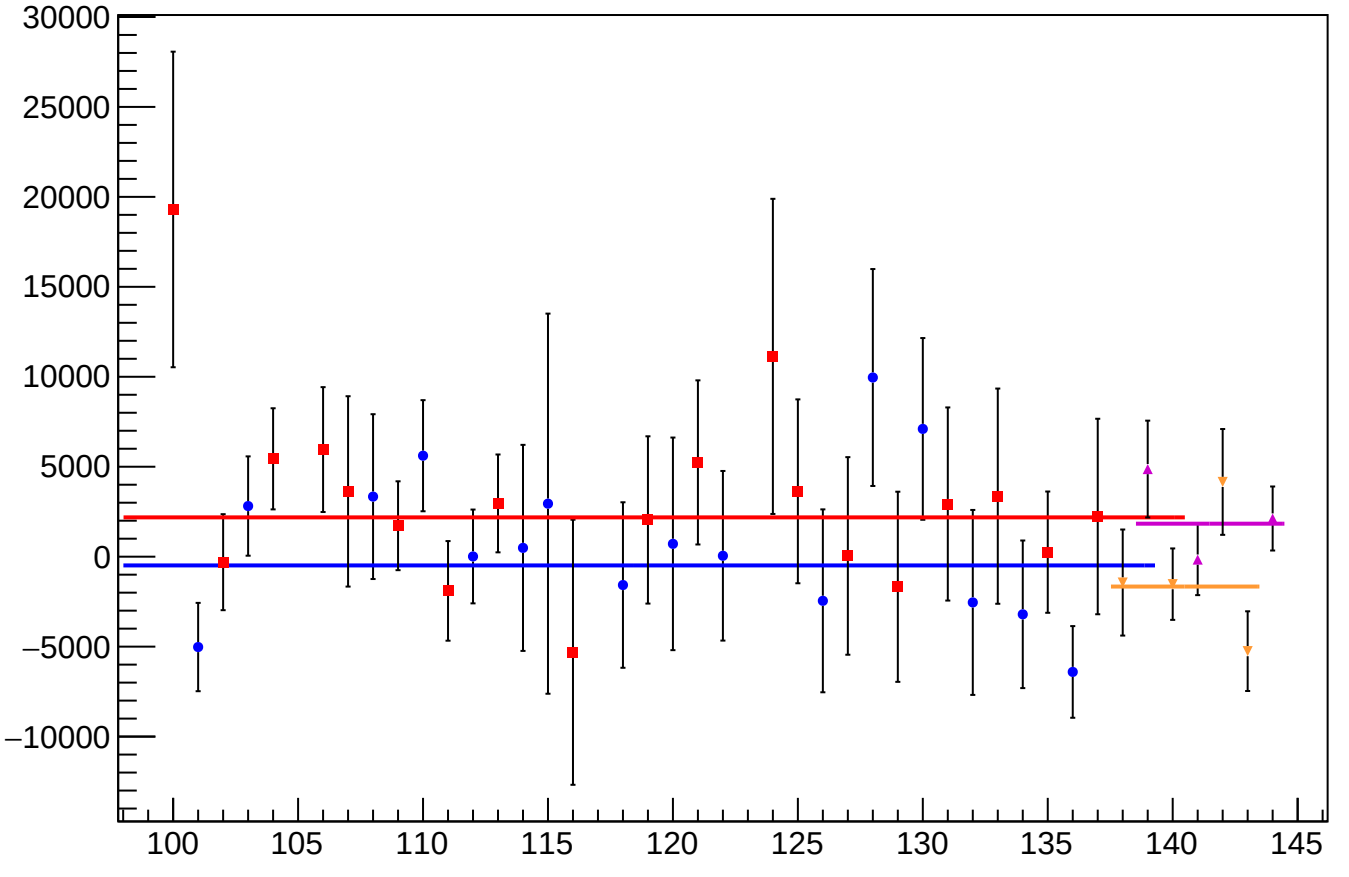
Left: 238.042+/-0.072 χ^2/NDF: 108441.4/6

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 235.558+/-0.054 χ^2/NDF:468140.5/18

Out: 239.022+/-0.054 χ^2/NDF:527351.7/22

All: 237.301+/-0.038 χ^2/NDF: 997572.9/41



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1833.902+/-1186.986 χ^2/NDF:2.3/2

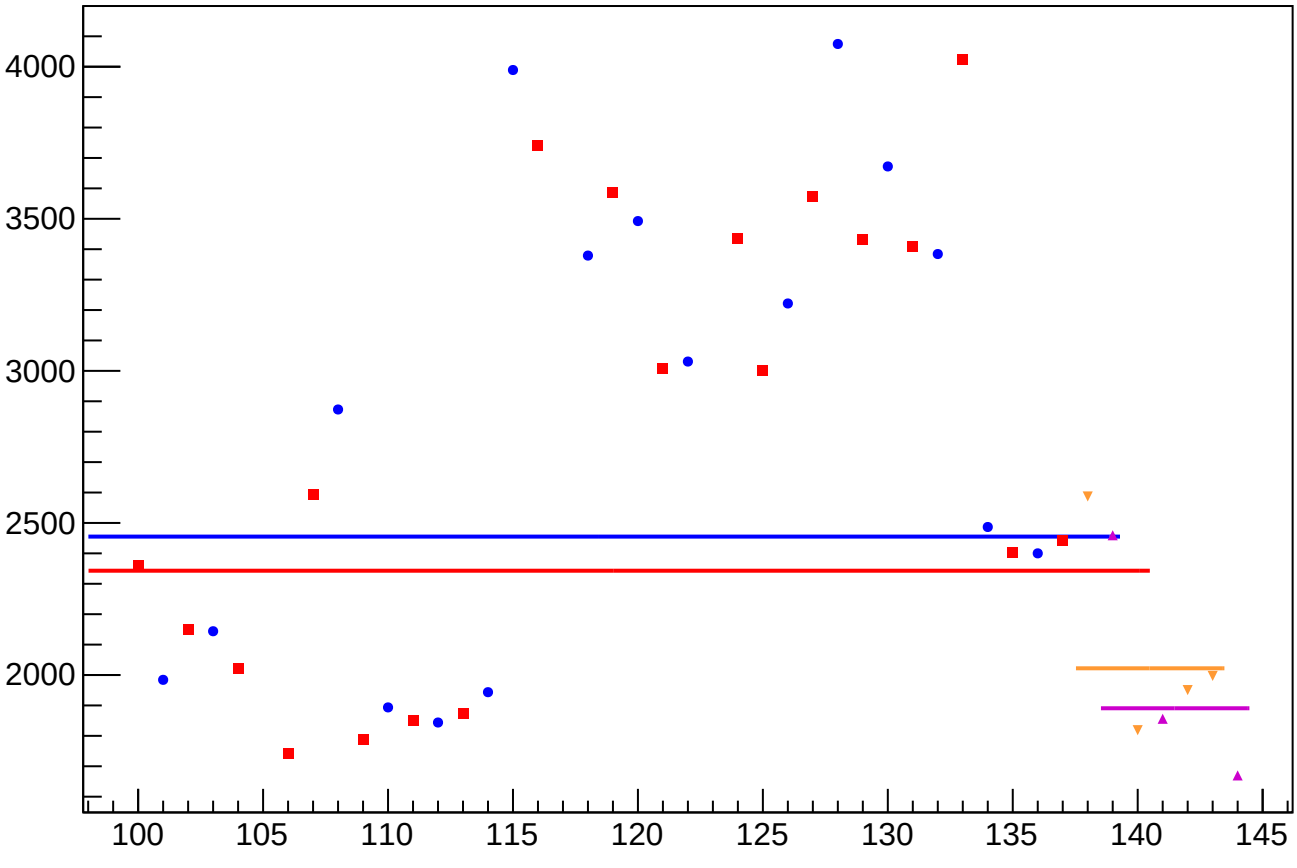
Left: 113.647+/-845.763 χ^2/NDF: 13.1/6

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 416.797+/-740.493 χ^2/NDF:25.8/18

Out: 816.632+/-719.029 χ^2/NDF:26.4/22

All: 622.593+/-515.851 χ^2/NDF: 52.3/41



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1890.700+/-0.839 χ^2/NDF:120770.6/2

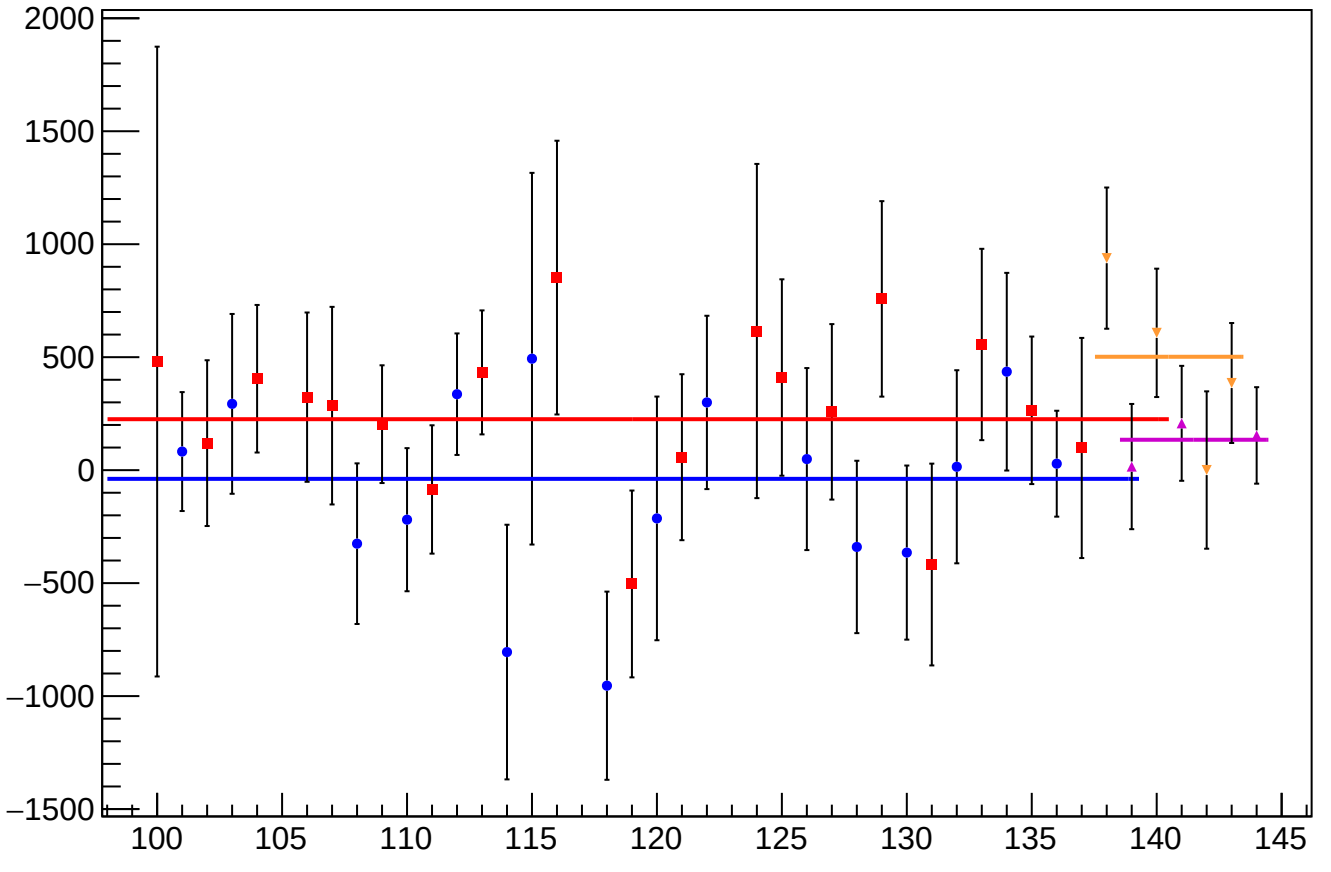
Left: 1955.385+/-0.598 χ^2/NDF: 228748.9/6

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2235.464+/-0.524 χ^2/NDF:1291356.8/18

Out: 2228.787+/-0.508 χ^2/NDF:1257589.9/22

All: 2232.027+/-0.365 χ^2/NDF: 2549030.4/41



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 134.513+/-140.841 χ^2/NDF:0.3/2

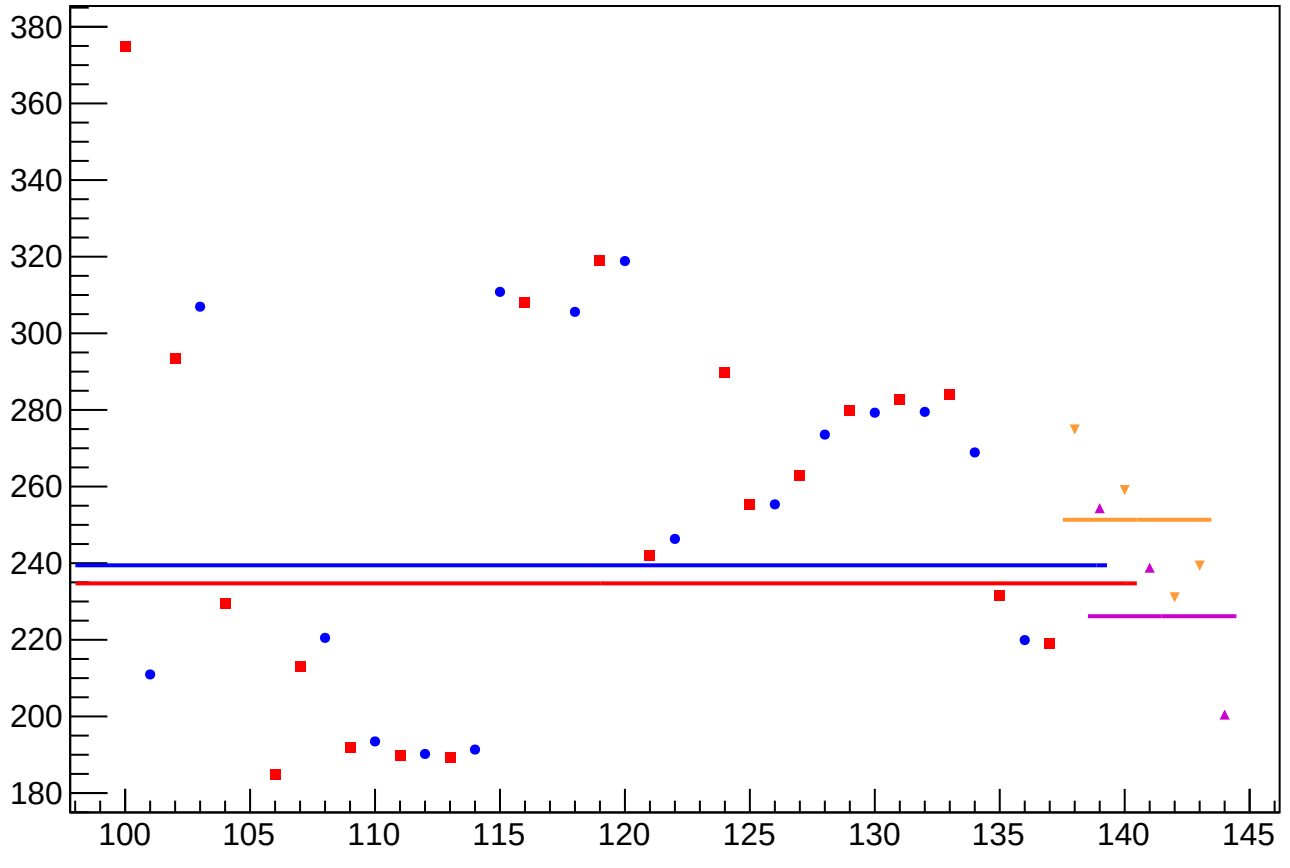
Left: 307.878+/-102.341 χ^2/NDF: 7.8/6

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

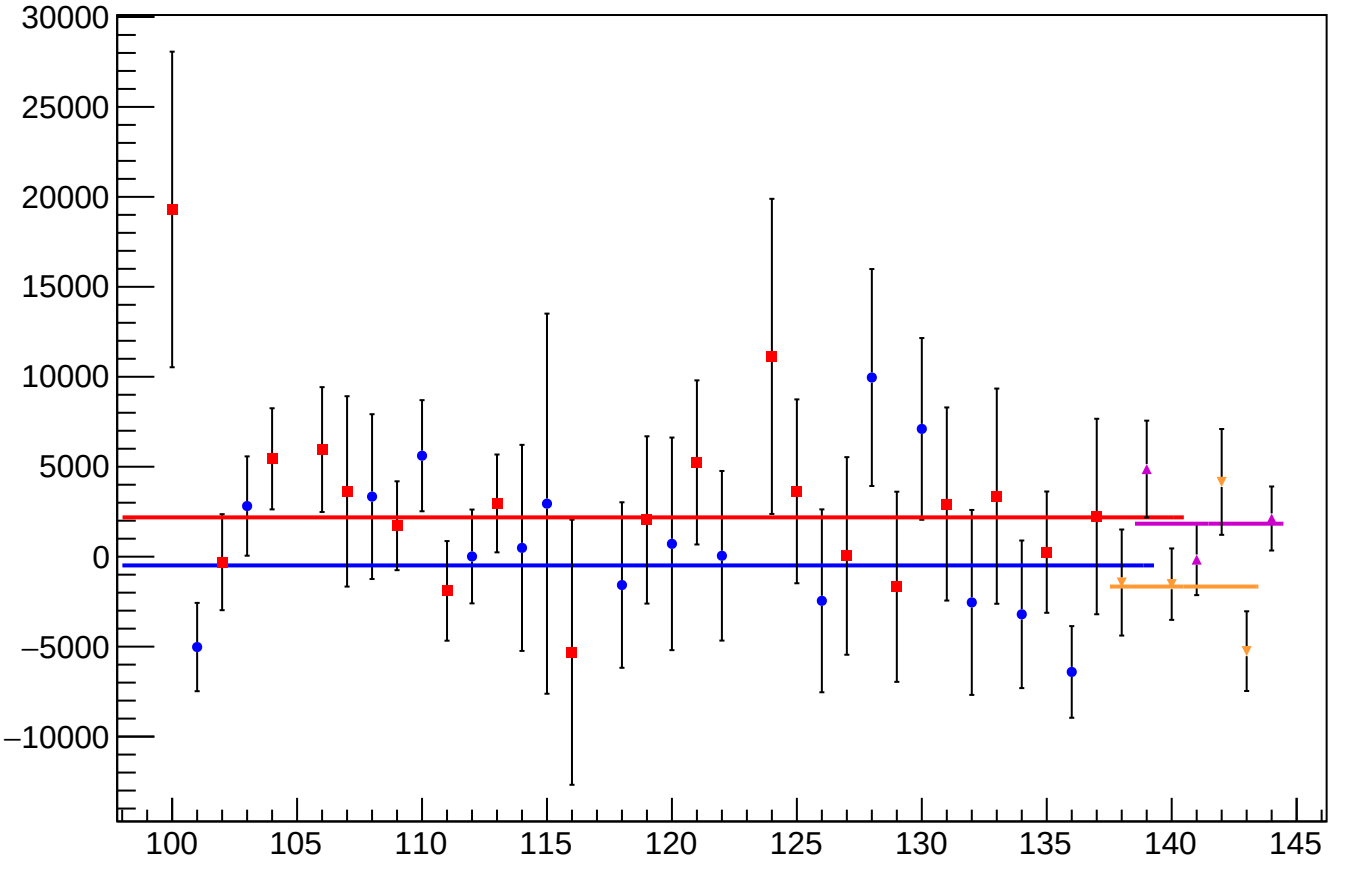
In: 12.140+/-76.207 χ^2/NDF:15.8/18

Out: 296.899+/-75.717 χ^2/NDF:18.3/22

All: 155.439+/-53.712 χ^2/NDF: 41.2/41


eigen_cor_asym_sam4_rms vs Slug, Sign Corrected
380
360
340
320
300
280
260
240
220
200
180
100
105
110
115
120
125
130
135
140
145
Right In: 239.449+/-0.064 χ²/NDF: 400958.1/15
Left Out: 251.336+/-0.105 χ²/NDF:23686.0/3
Right Out: 234.733+/-0.062 χ²/NDF: 485238.4/18
Left In: 226.157+/-0.100 χ²/NDF:54584.7/2
Left: 238.042+/-0.072 χ²/NDF: 108441.4/6
Right: 237.020+/-0.045 χ²/NDF: 888987.0/34
In: 235.558+/-0.054 χ²/NDF:468140.5/18
Out: 239.022+/-0.054 χ²/NDF:527351.7/22
All: 237.301+/-0.038 χ²/NDF: 997572.9/41

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1833.902+/-1186.986 χ^2/NDF:2.3/2

Left: 113.647+/-845.763 χ^2/NDF: 13.1/6

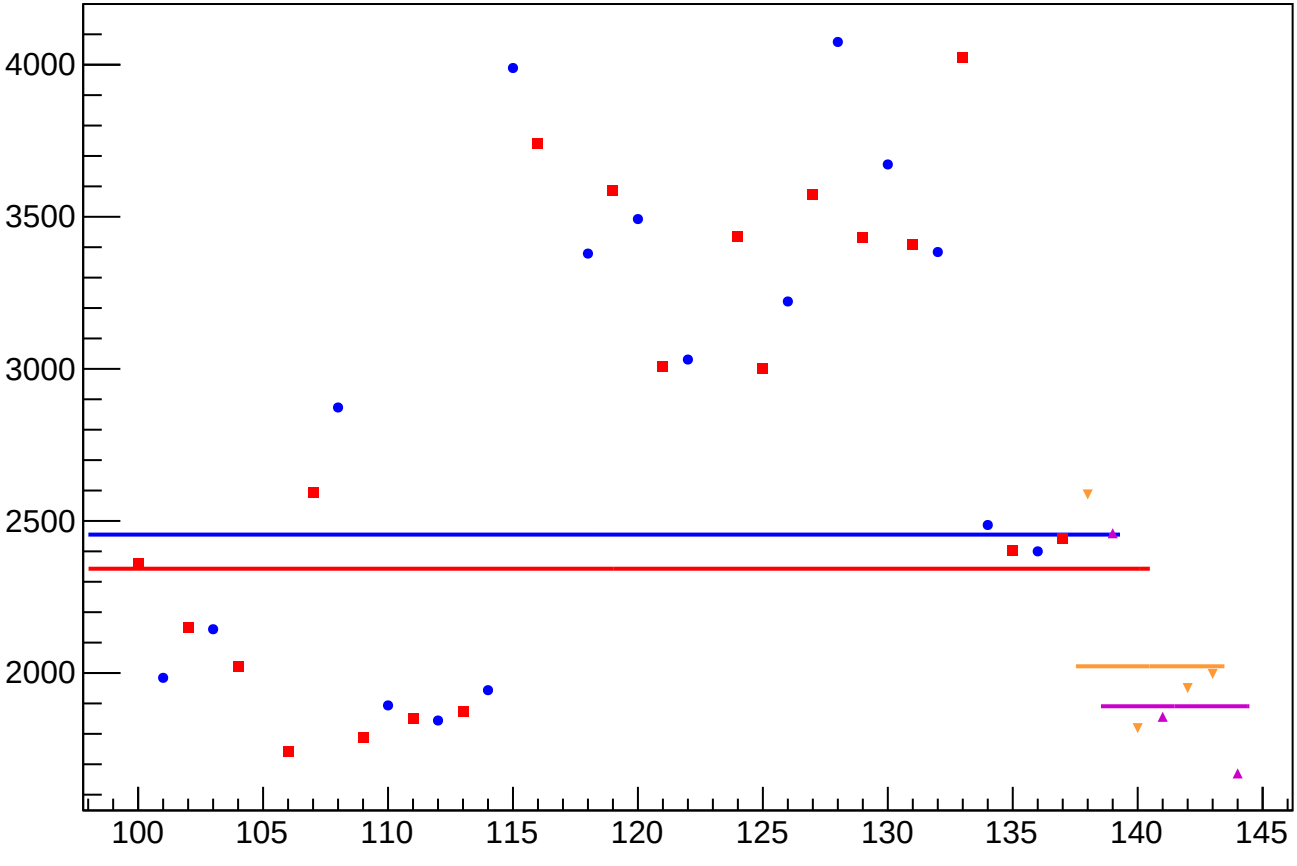
Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 416.797+/-740.493 χ^2/NDF:25.8/18

Out: 816.632+/-719.029 χ^2/NDF:26.4/22

All: 622.593+/-515.851 χ^2/NDF: 52.3/41

asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1890.700+/-0.839 χ^2/NDF:120770.6/2

Left: 1955.385+/-0.598 χ^2/NDF: 228748.9/6

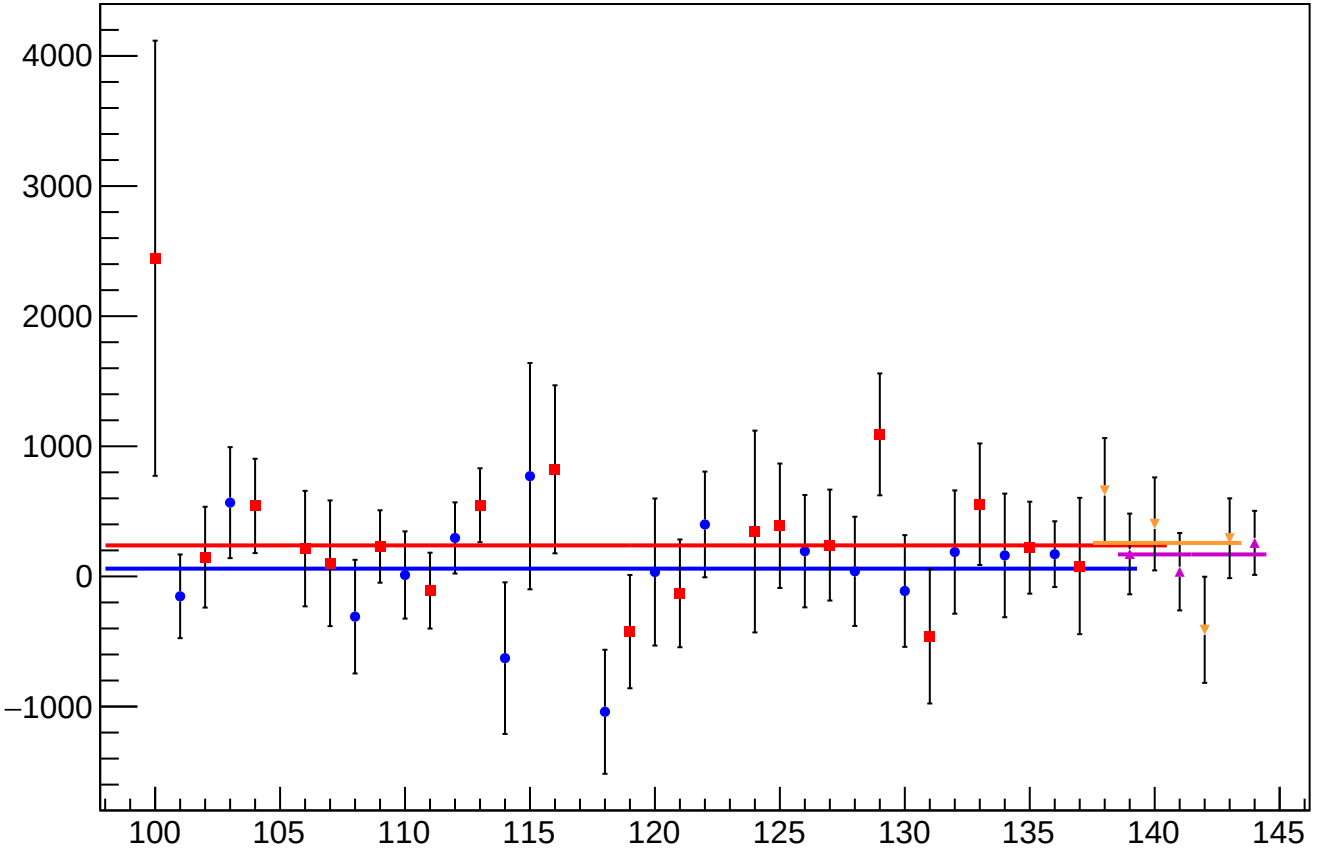
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2235.464+/-0.524 χ^2/NDF:1291356.8/18

Out: 2228.787+/-0.508 χ^2/NDF:1257589.9/22

All: 2232.027+/-0.365 χ^2/NDF: 2549030.4/41

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.270+/-180.650 χ^2/NDF:3.9/3

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 169.061+/-161.751 χ^2/NDF:0.3/2

Left: 208.312+/-120.505 χ^2/NDF: 4.3/6

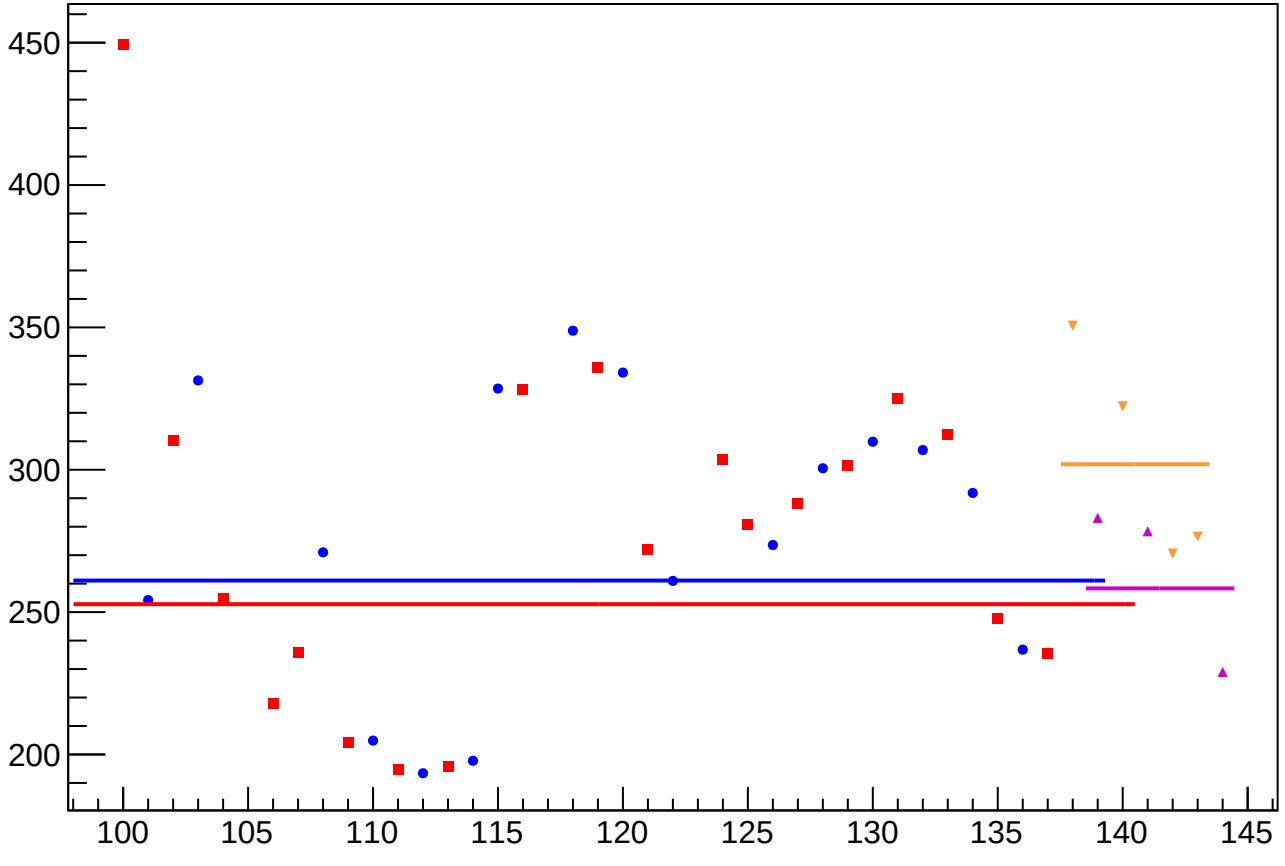
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 89.624+/-84.582 χ^2/NDF:12.7/18

Out: 242.583+/-84.125 χ^2/NDF:18.8/22

All: 166.517+/-59.646 χ^2/NDF: 33.1/41

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 301.941+/-0.128 χ^2/NDF:61254.9/3

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 258.335+/-0.114 χ^2/NDF:50296.6/2

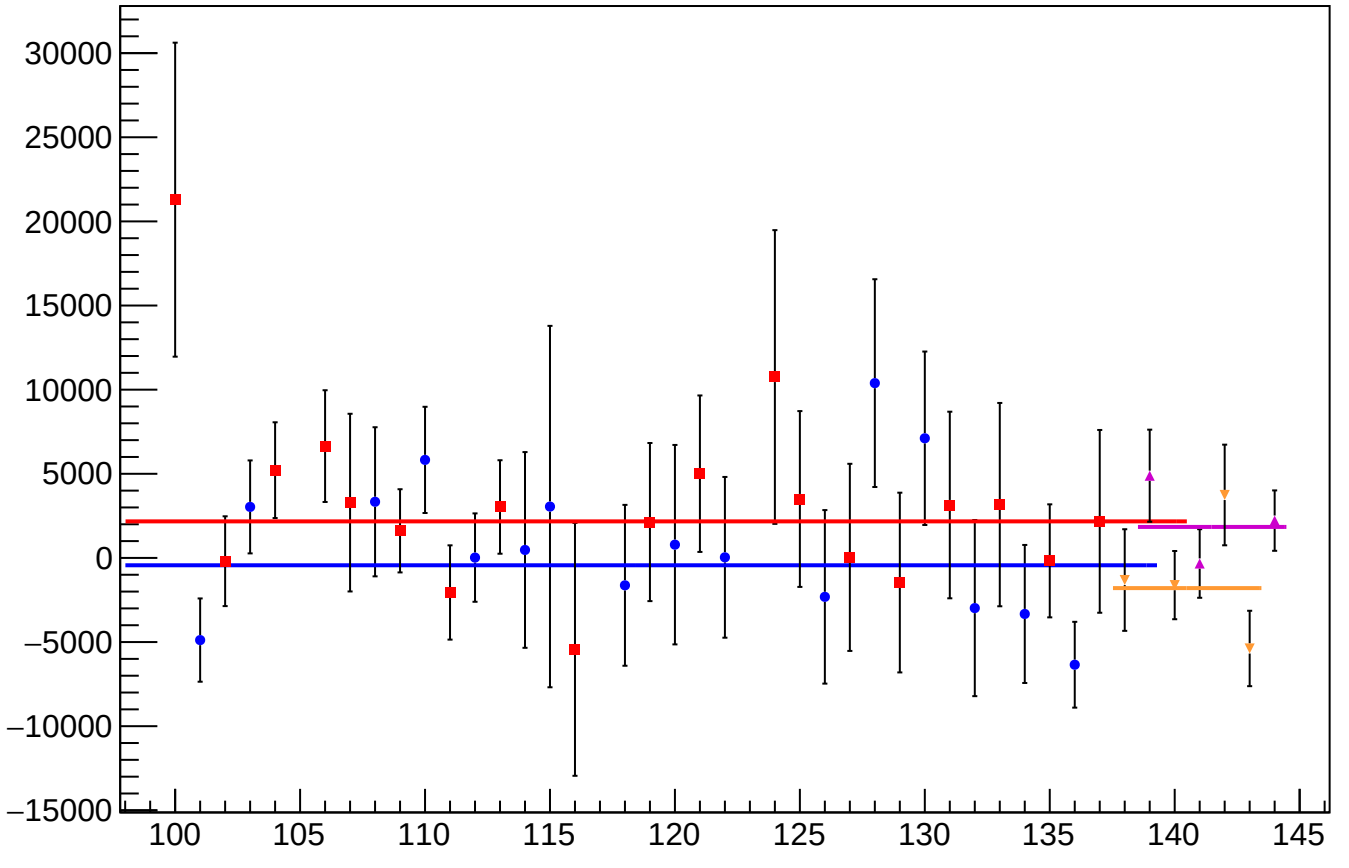
Left: 277.738+/-0.085 χ^2/NDF: 176230.3/6

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 260.336+/-0.060 χ^2/NDF:513380.1/18

Out: 263.447+/-0.059 χ^2/NDF:714504.8/22

All: 261.900+/-0.042 χ^2/NDF: 1229244.9/41



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.191 χ^2/NDF:6.0/3

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1842.131+/-1208.527 χ^2/NDF:2.4/2

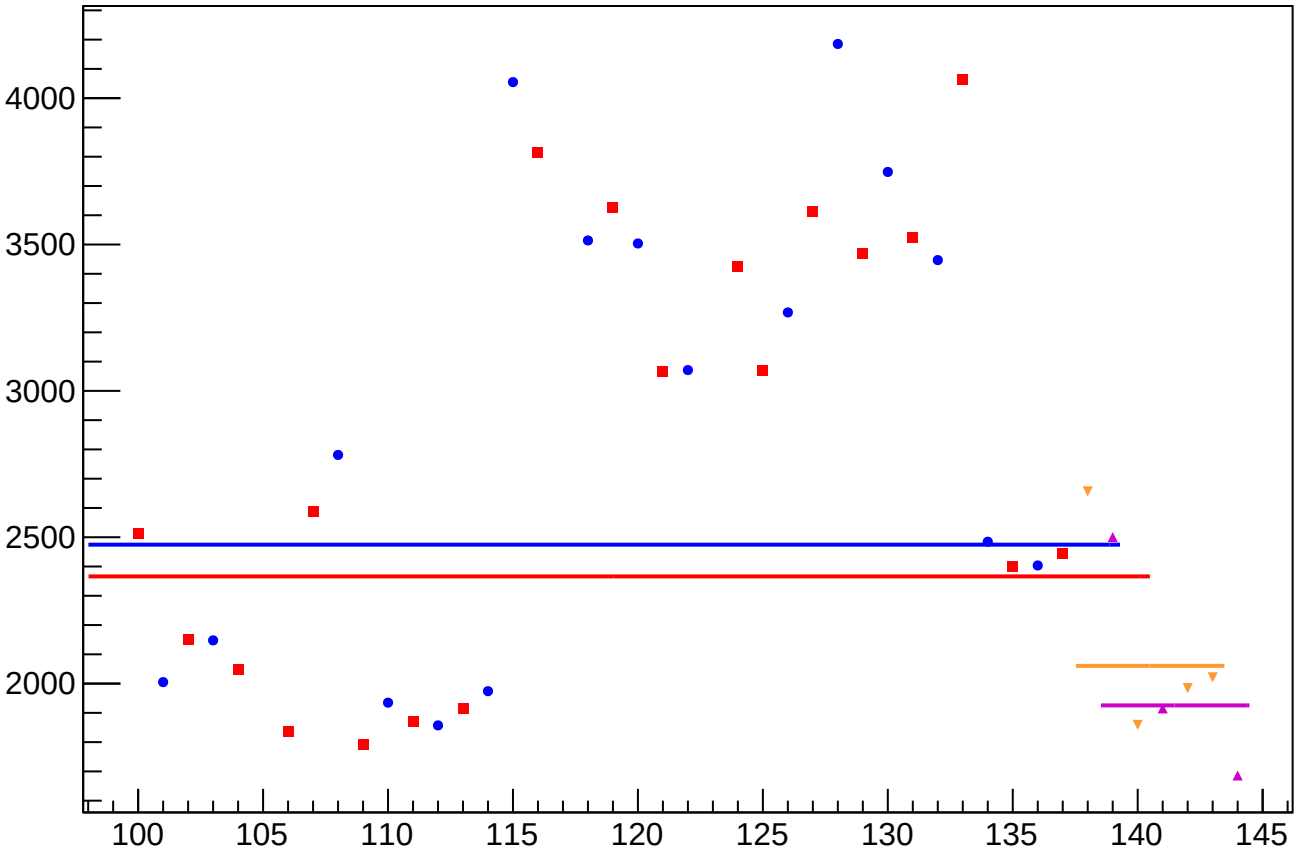
Left: 52.088+/-861.080 χ^2/NDF: 12.9/6

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 439.425+/-749.356 χ^2/NDF:25.8/18

Out: 782.892+/-726.325 χ^2/NDF:26.8/22

All: 616.518+/-521.541 χ^2/NDF: 52.7/41



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2060.548+/-0.868 χ^2/NDF:99630.7/3

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1925.532+/-0.855 χ^2/NDF:123930.3/2

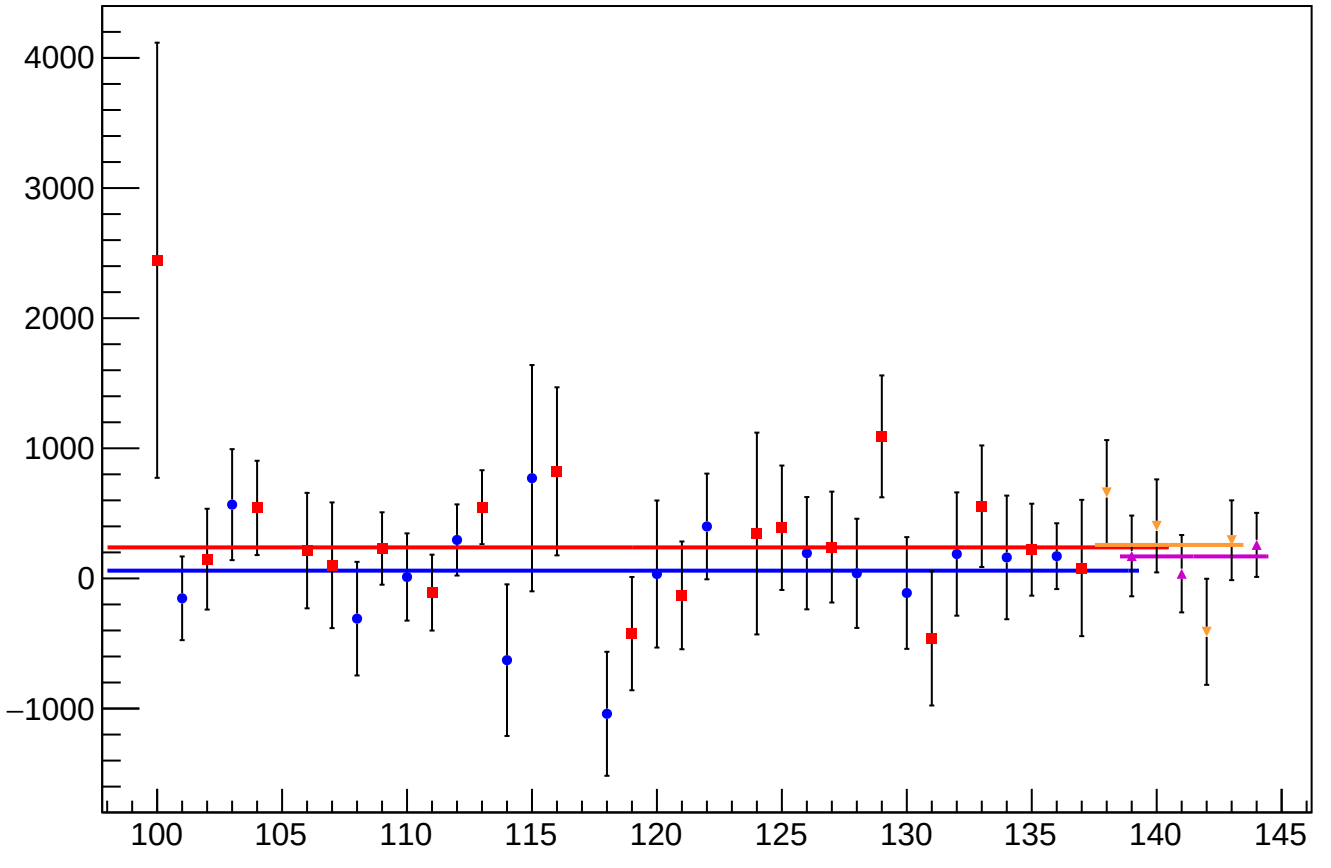
Left: 1992.006+/-0.609 χ^2/NDF: 235851.0/6

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2263.513+/-0.530 χ^2/NDF:1294308.8/18

Out: 2259.145+/-0.514 χ^2/NDF:1257424.3/22

All: 2261.260+/-0.369 χ^2/NDF: 2551768.2/41



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.274+/-180.650 χ^2/NDF:3.9/3

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 169.062+/-161.752 χ^2/NDF:0.3/2

Left: 208.314+/-120.505 χ^2/NDF: 4.3/6

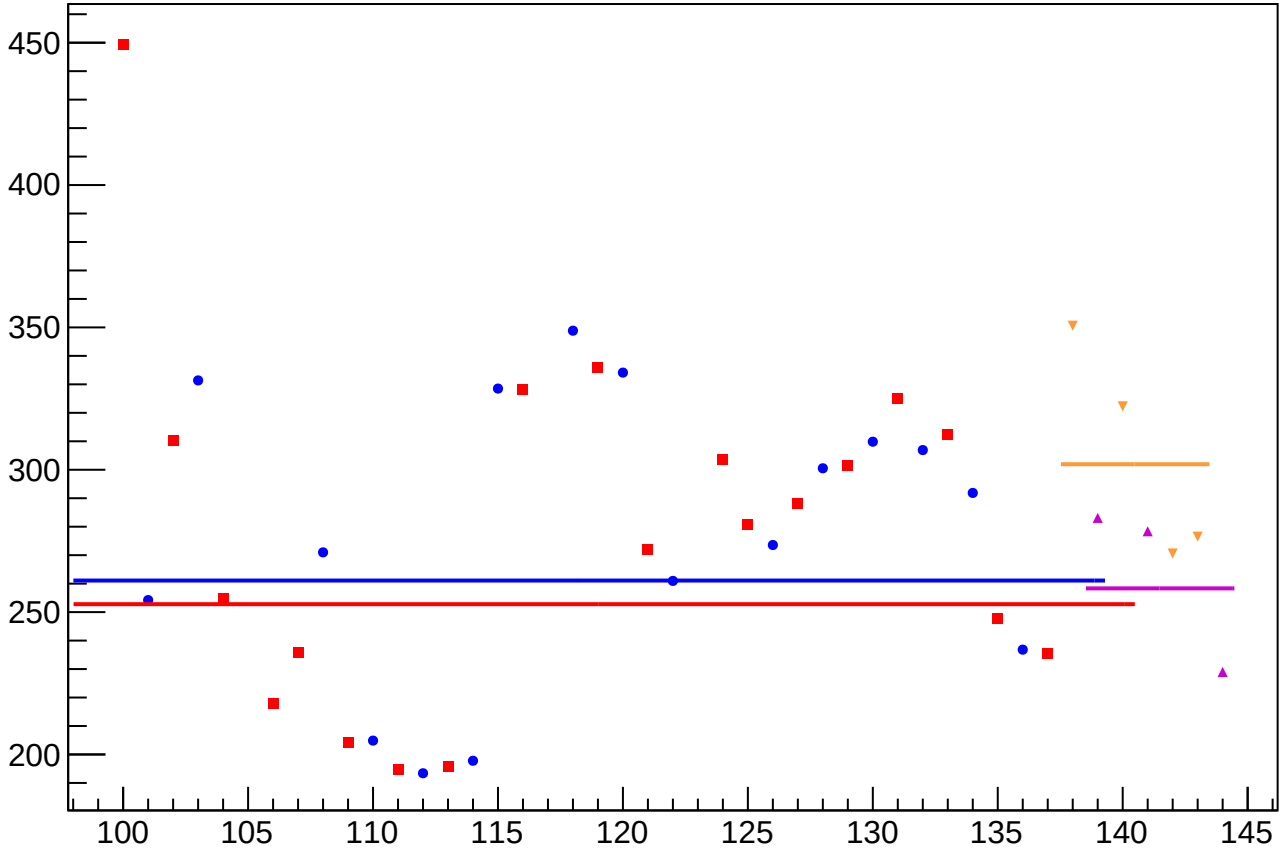
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 89.628+/-84.582 χ^2/NDF:12.7/18

Out: 242.583+/-84.126 χ^2/NDF:18.8/22

All: 166.520+/-59.646 χ^2/NDF: 33.1/41

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 301.941+/-0.128 χ^2/NDF:61253.2/3

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 258.335+/-0.114 χ^2/NDF:50294.9/2

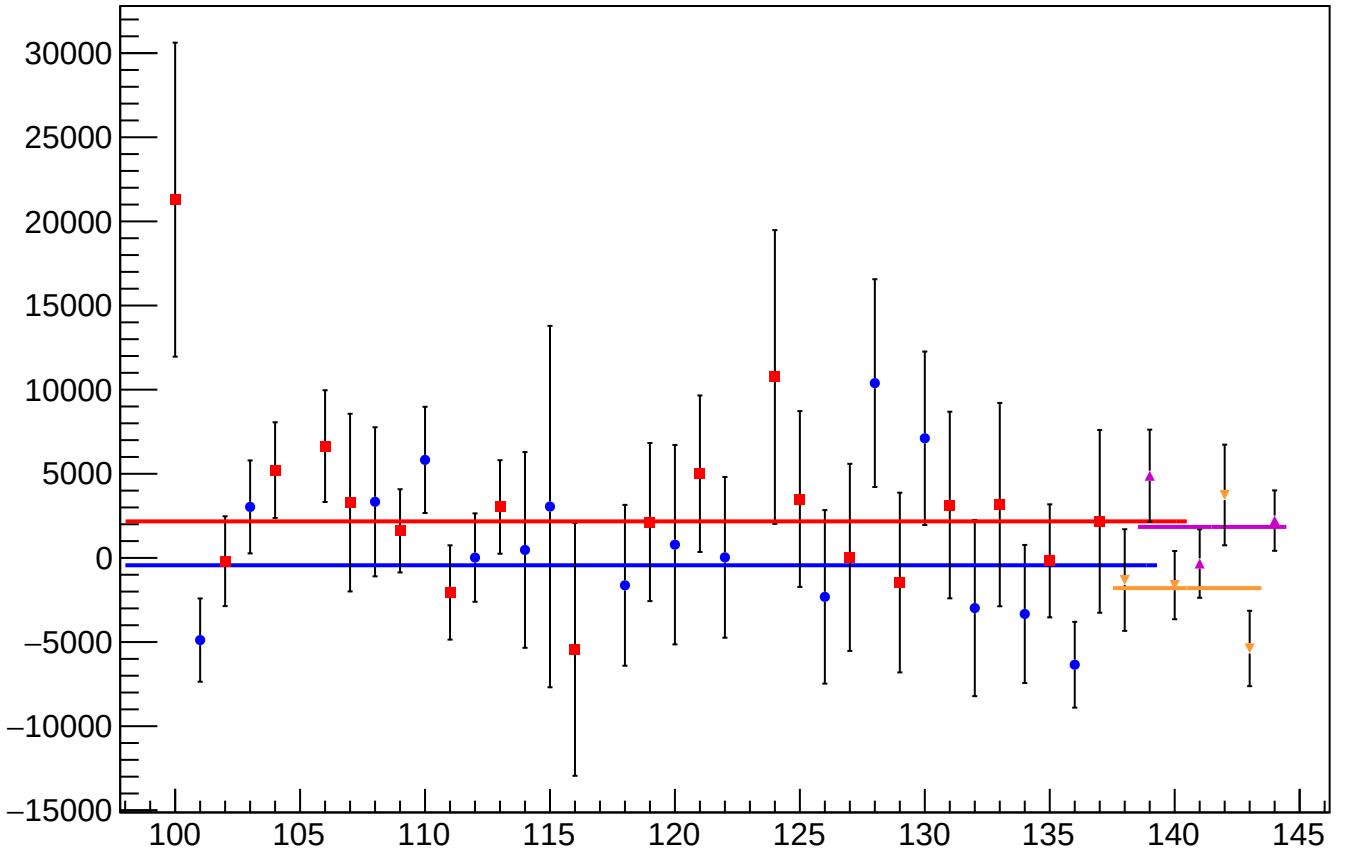
Left: 277.739+/-0.085 χ^2/NDF: 176226.9/6

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 260.336+/-0.060 χ^2/NDF:513381.3/18

Out: 263.447+/-0.059 χ^2/NDF:714507.8/22

All: 261.900+/-0.042 χ^2/NDF: 1229249.0/41



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.189 χ^2/NDF:6.0/3

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1842.130+/-1208.526 χ^2/NDF:2.4/2

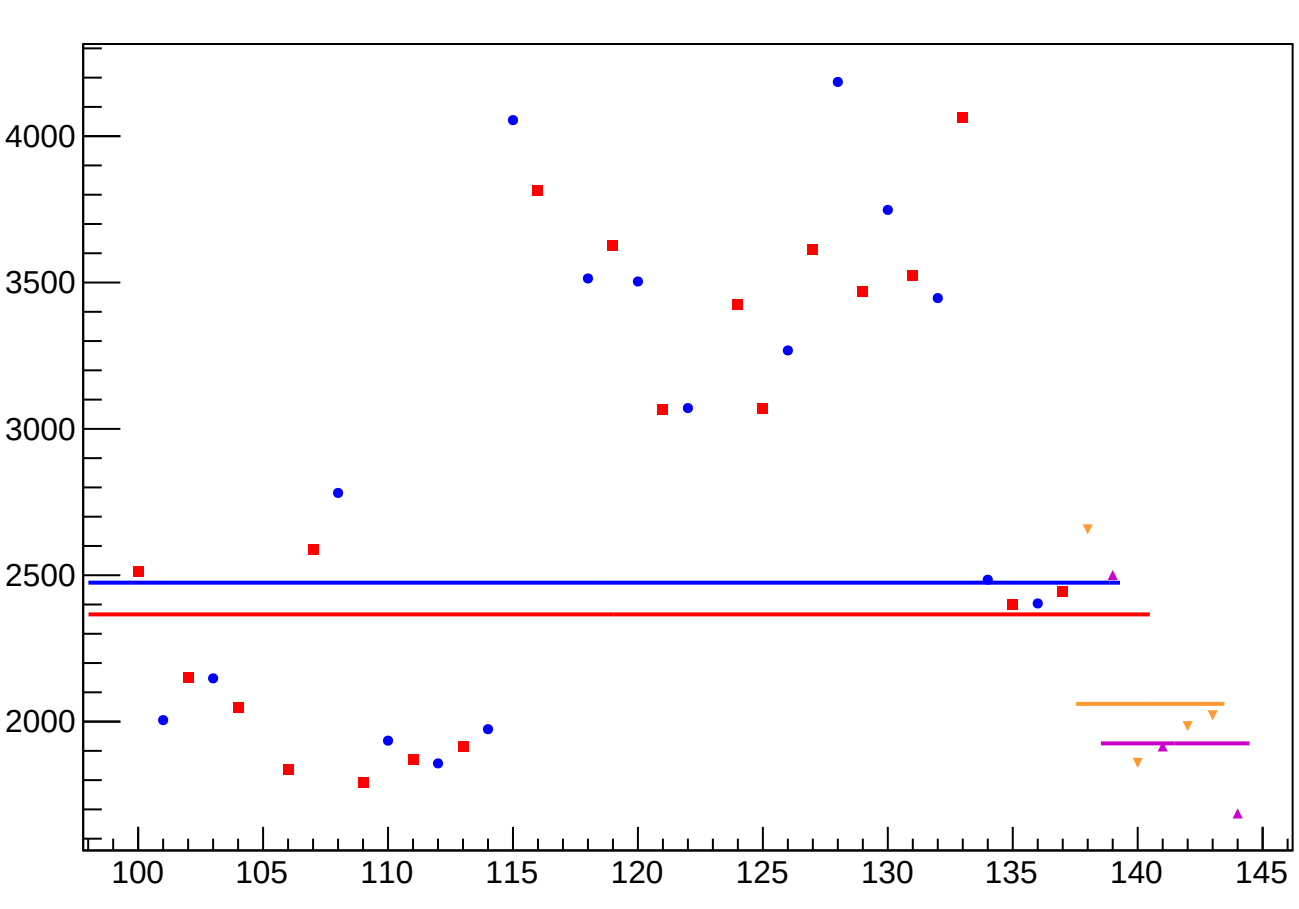
Left: 52.087+/-861.079 χ^2/NDF: 12.9/6

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 439.426+/-749.356 χ^2/NDF:25.8/18

Out: 782.890+/-726.324 χ^2/NDF:26.8/22

All: 616.517+/-521.541 χ^2/NDF: 52.7/41



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2060.546+/-0.868 χ^2/NDF:99630.3/3

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 1925.530+/-0.855 χ^2/NDF:123930.2/2

Left: 1992.004+/-0.609 χ^2/NDF: 235850.5/6

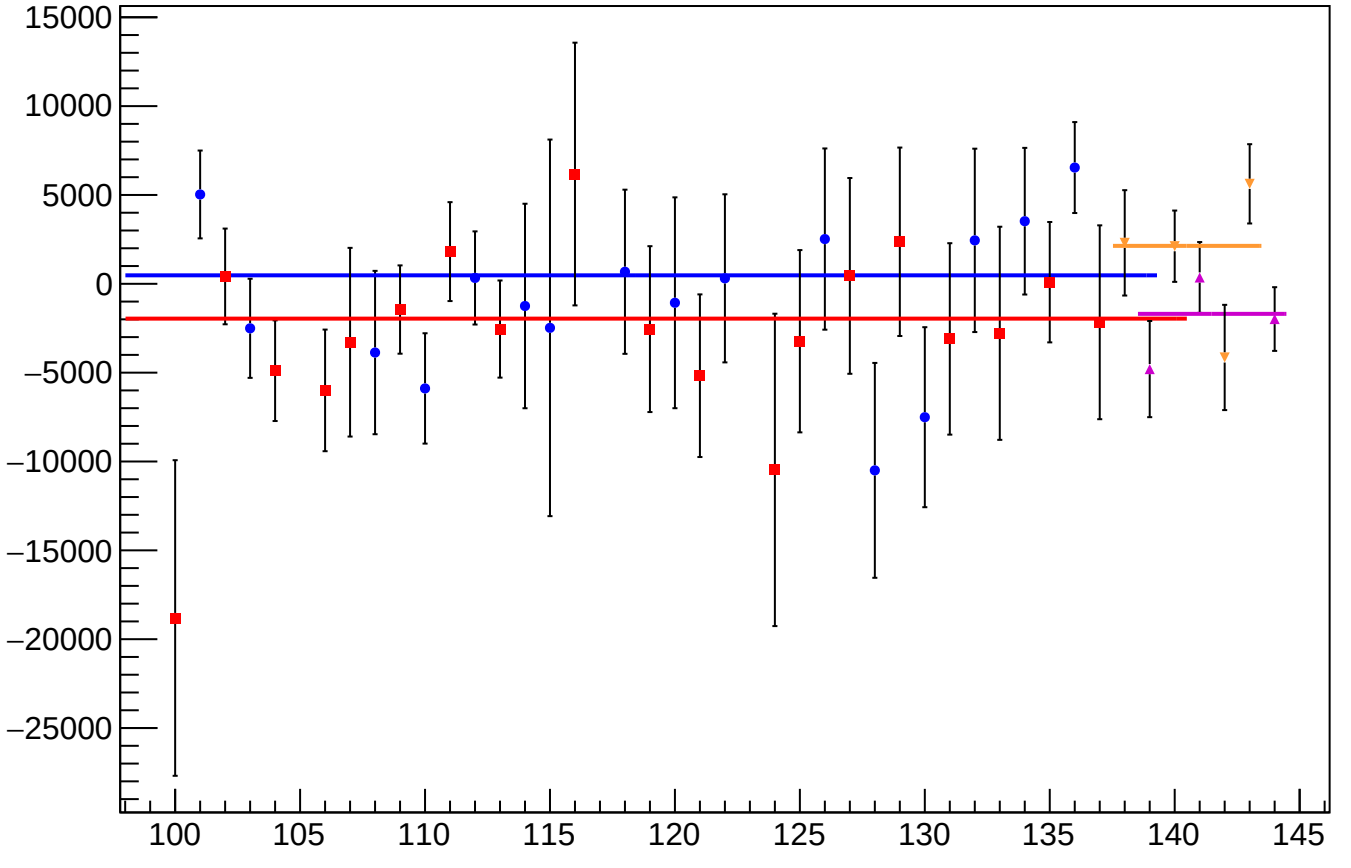
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2263.511+/-0.530 χ^2/NDF:1294313.0/18

Out: 2259.143+/-0.514 χ^2/NDF:1257426.6/22

All: 2261.259+/-0.369 χ^2/NDF: 2551774.7/41

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2135.176+/-1215.249 χ^2/NDF:6.9/3

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1691.089+/-1195.688 χ^2/NDF:2.4/2

Left: 191.002+/-852.311 χ^2/NDF: 14.4/6

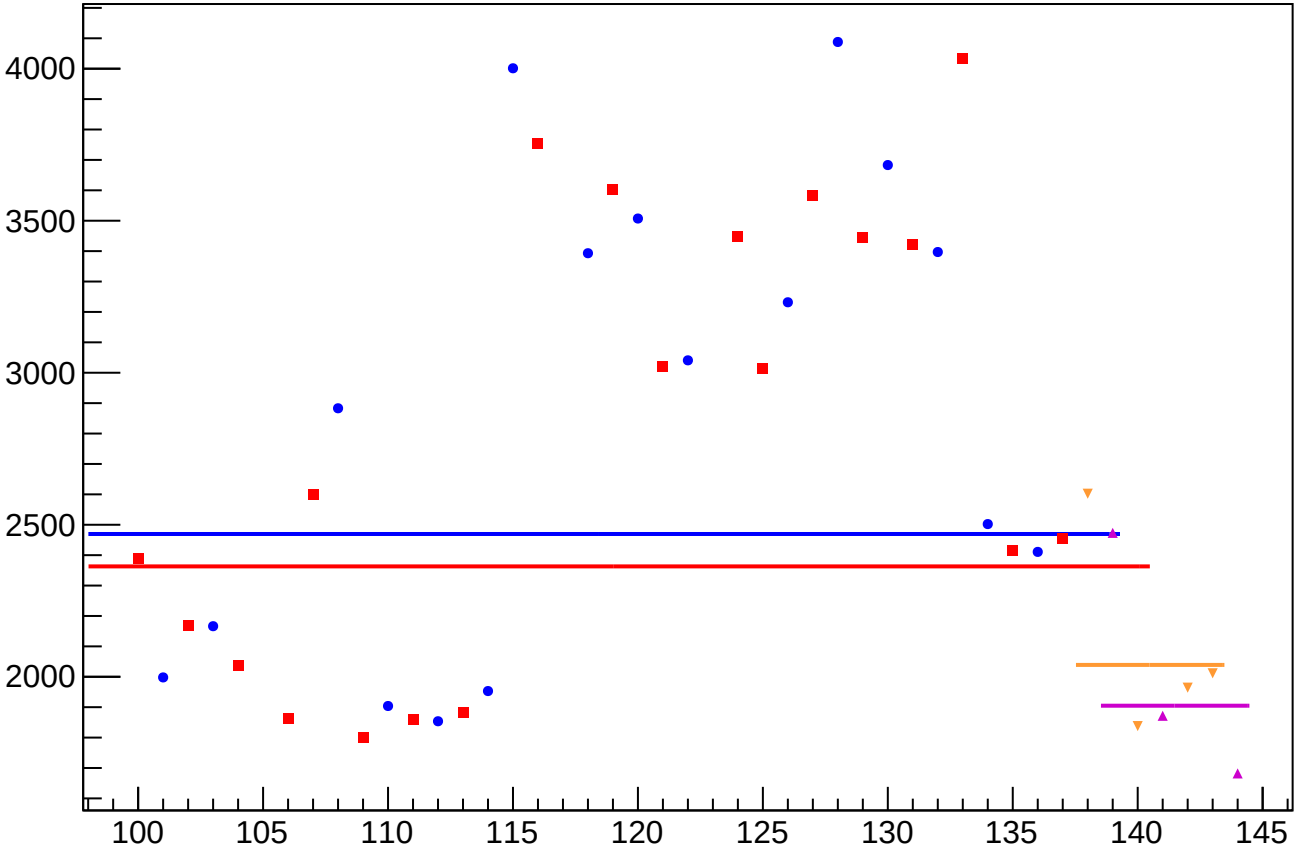
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -364.808+/-745.128 χ^2/NDF:26.5/18

Out: -509.772+/-723.099 χ^2/NDF:27.1/22

All: -439.464+/-518.921 χ^2/NDF: 53.7/41

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2039.022+/-0.859 χ^2/NDF:93851.4/3

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1904.868+/-0.845 χ^2/NDF:119715.1/2

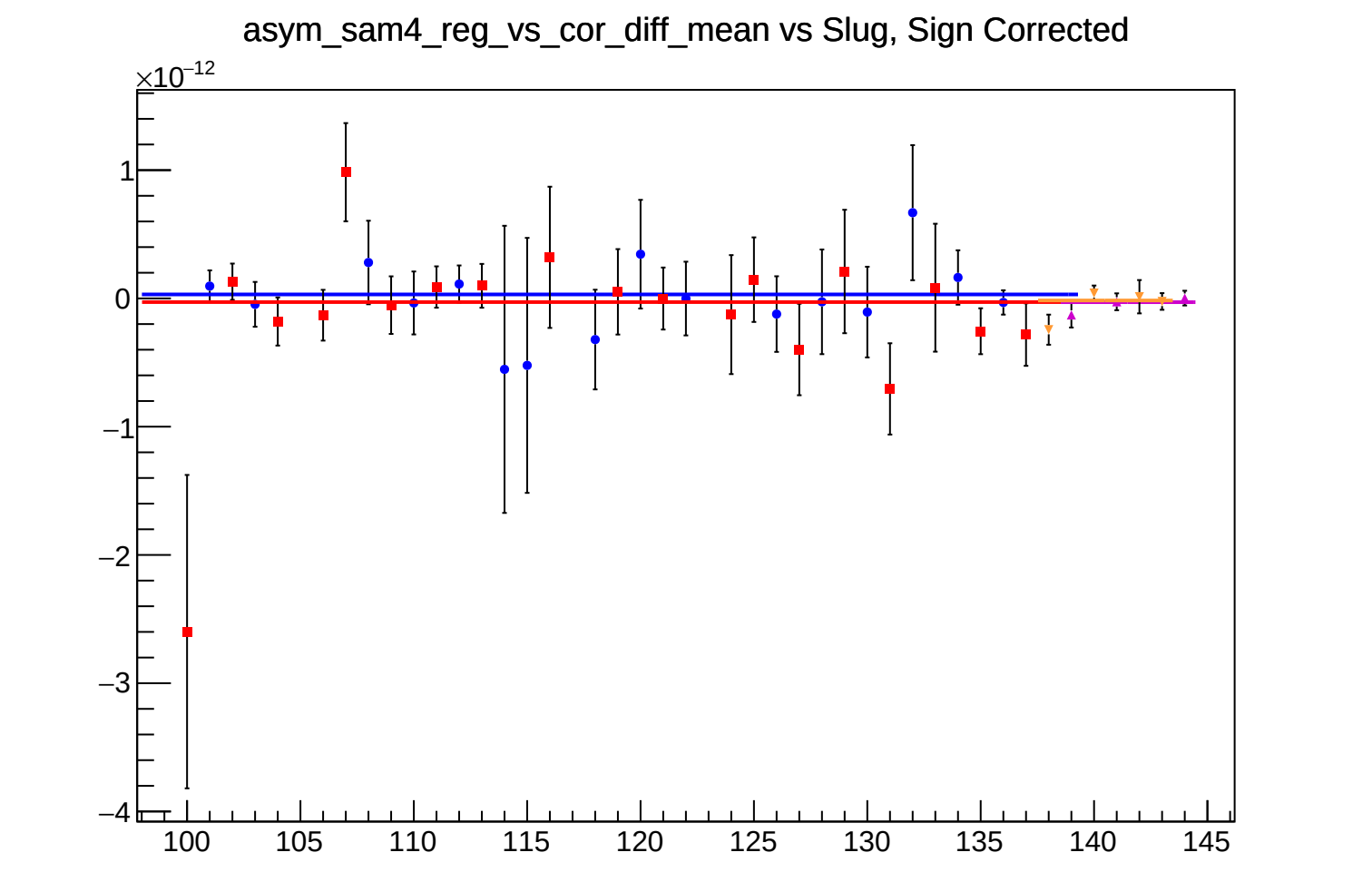
Left: 1970.856+/-0.603 χ^2/NDF: 225950.7/6

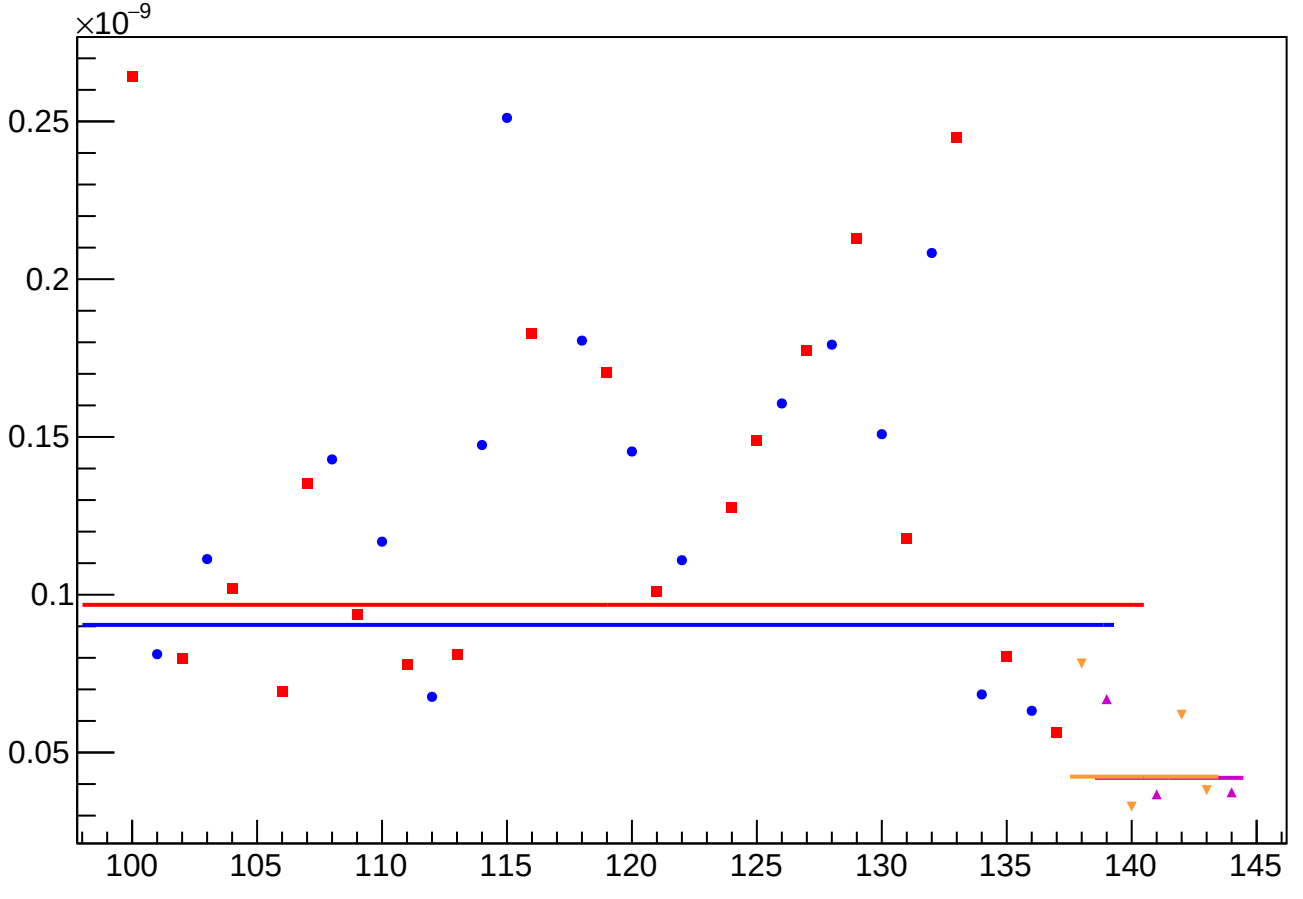
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2250.309+/-0.527 χ^2/NDF:1278817.3/18

Out: 2248.329+/-0.511 χ^2/NDF:1229043.9/22

All: 2249.289+/-0.367 χ^2/NDF: 2507868.5/41


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: -0.000+/-0.000 χ²/NDF:4.8/3
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:1.3/2
Left: -0.000+/-0.000 χ²/NDF: 6.2/6
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: -0.000+/-0.000 χ²/NDF:8.3/18
Out: -0.000+/-0.000 χ²/NDF:28.0/22
All: -0.000+/-0.000 χ²/NDF: 36.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:293087.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:154712.0/2

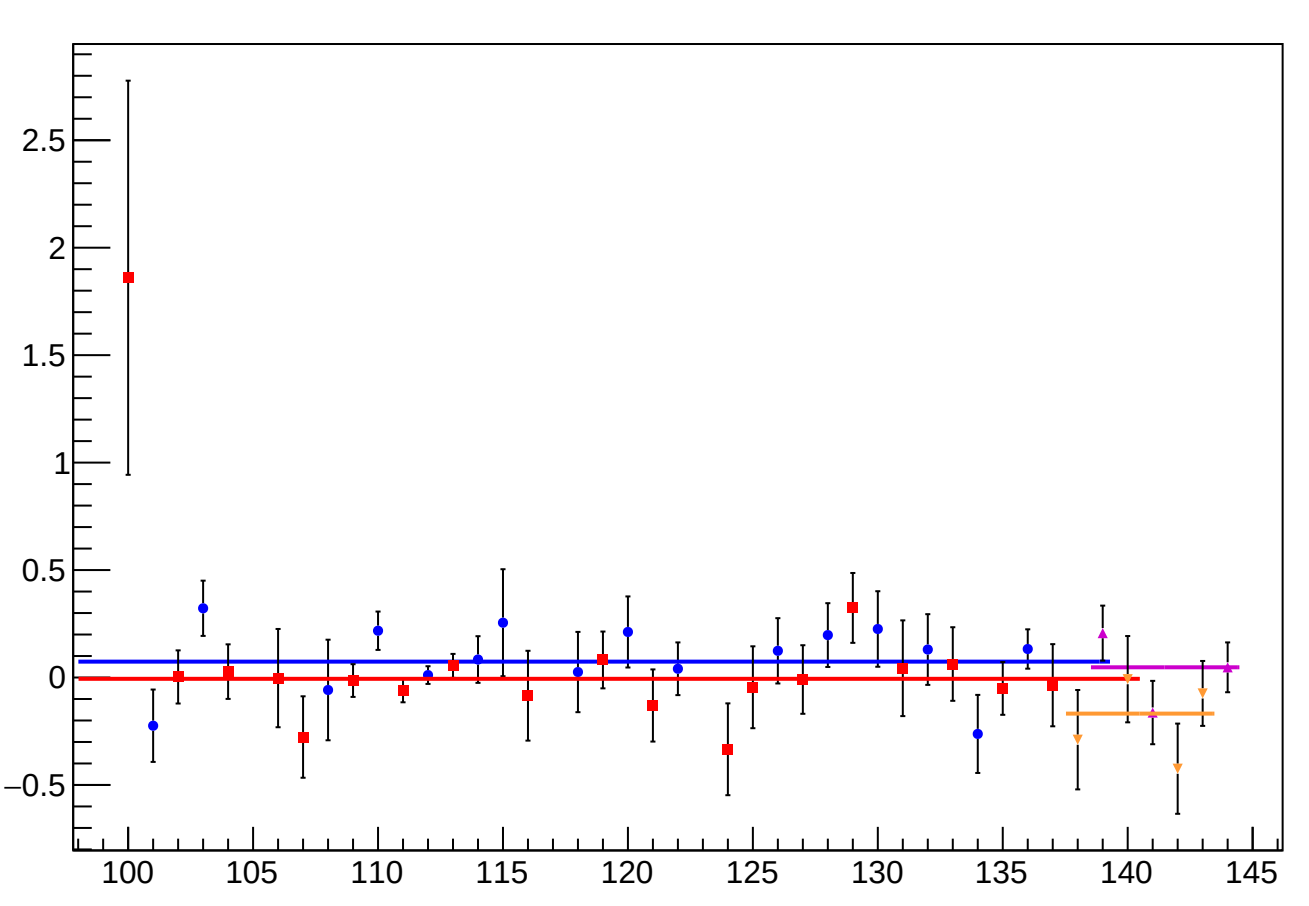
Left: 0.000+/-0.000 χ^2/NDF: 447895.7/6

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2167467.6/18

Out: 0.000+/-0.000 χ^2/NDF:2419429.2/22

All: 0.000+/-0.000 χ^2/NDF: 4587345.7/41



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.074 χ^2/NDF:3.6/2

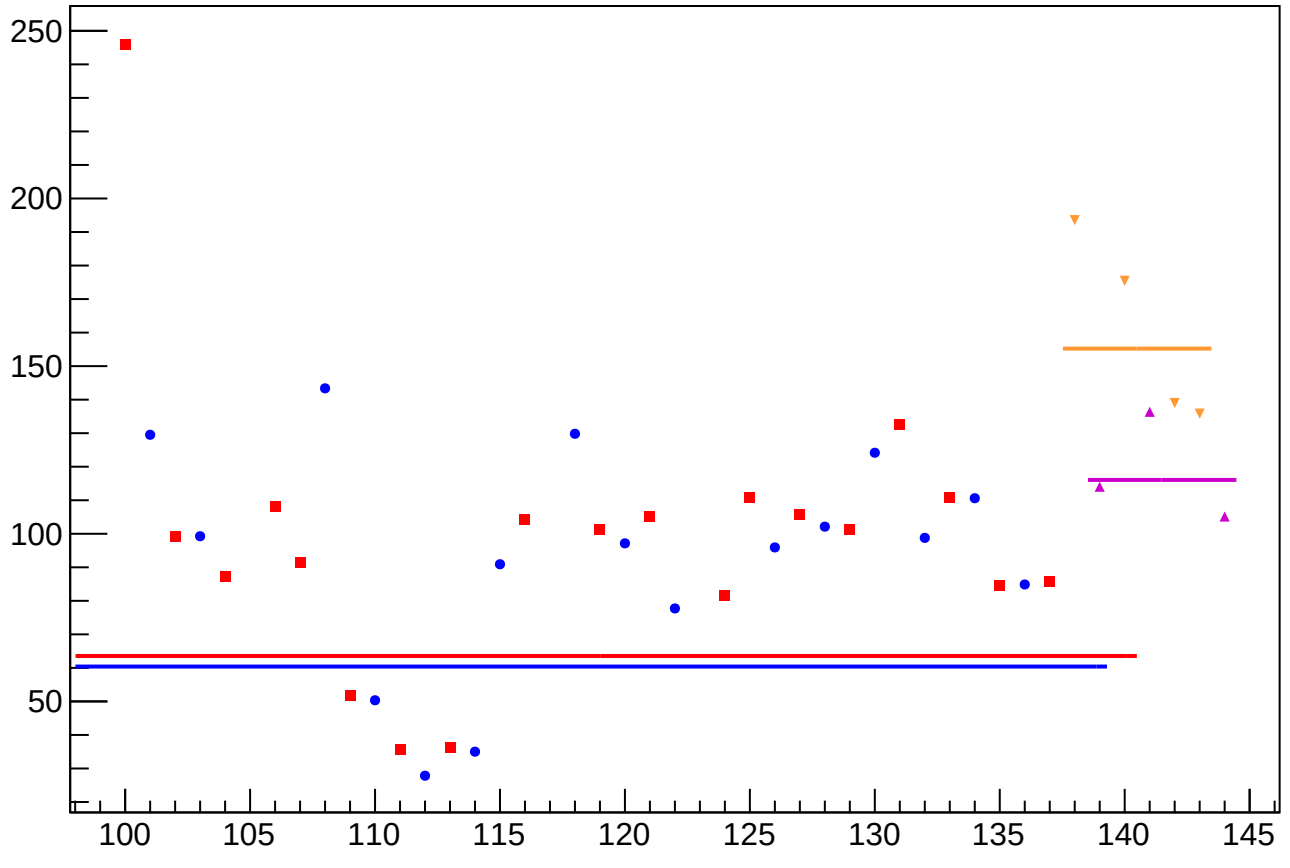
Left: -0.034+/-0.059 χ^2/NDF: 9.6/6

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.025 χ^2/NDF:22.7/18

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.6/41



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.060+/-0.052 χ^2/NDF:56204.0/2

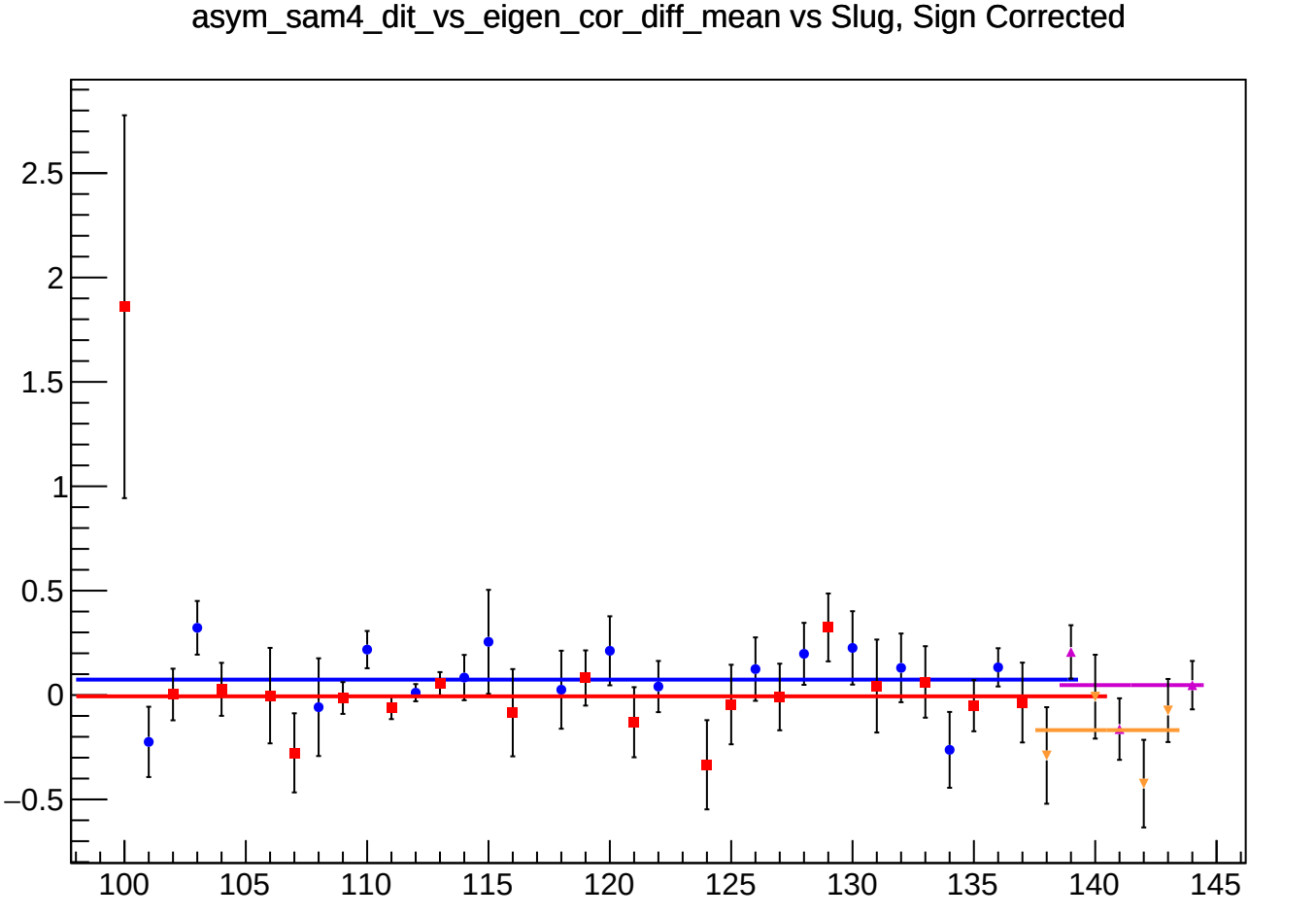
Left: 130.846+/-0.041 χ^2/NDF: 386500.9/6

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 66.909+/-0.018 χ^2/NDF:4587186.9/18

Out: 70.281+/-0.018 χ^2/NDF:4488409.0/22

All: 68.566+/-0.013 χ^2/NDF: 9092941.7/41



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.074 χ^2/NDF:3.6/2

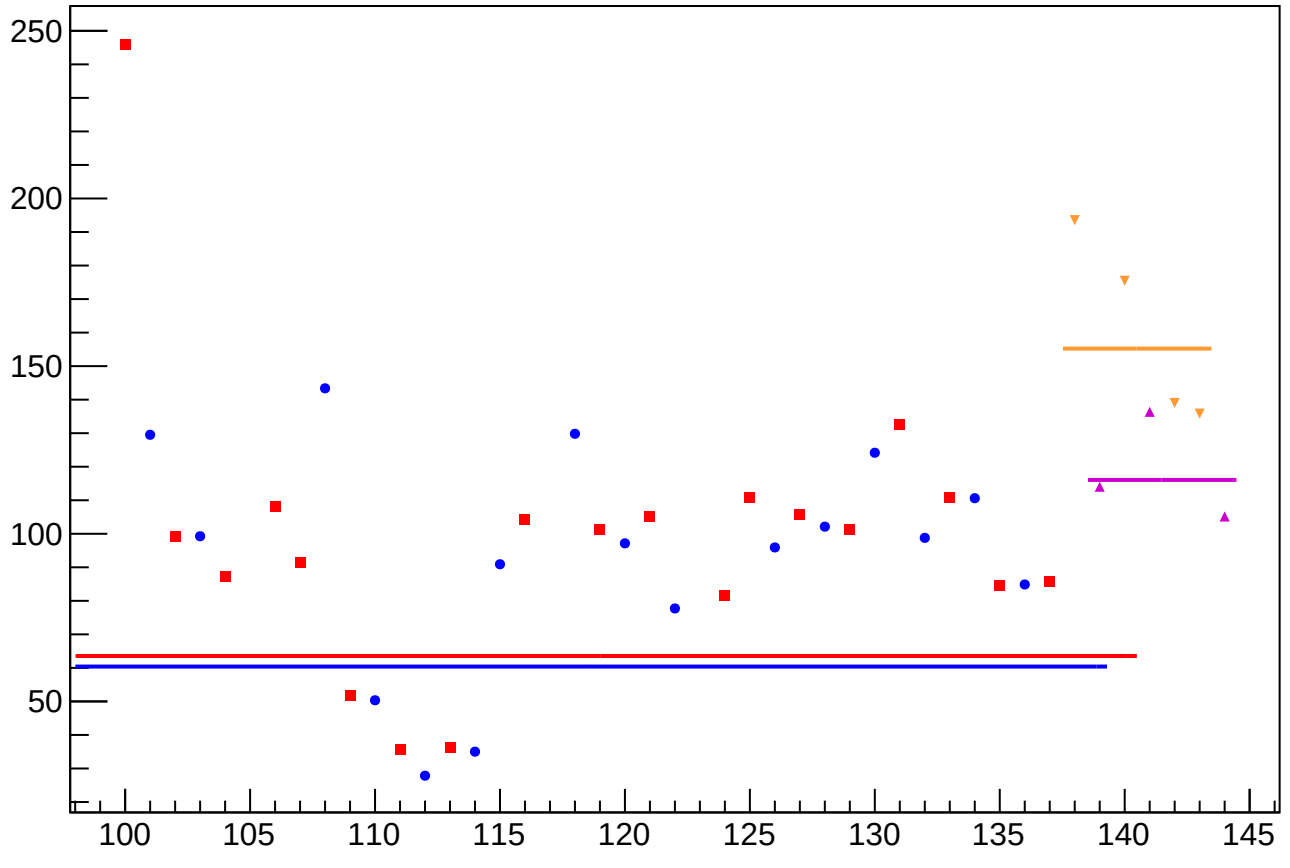
Left: -0.034+/-0.059 χ^2/NDF: 9.6/6

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.025 χ^2/NDF:22.7/18

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.6/41



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.060+/-0.052 χ^2/NDF:56204.0/2

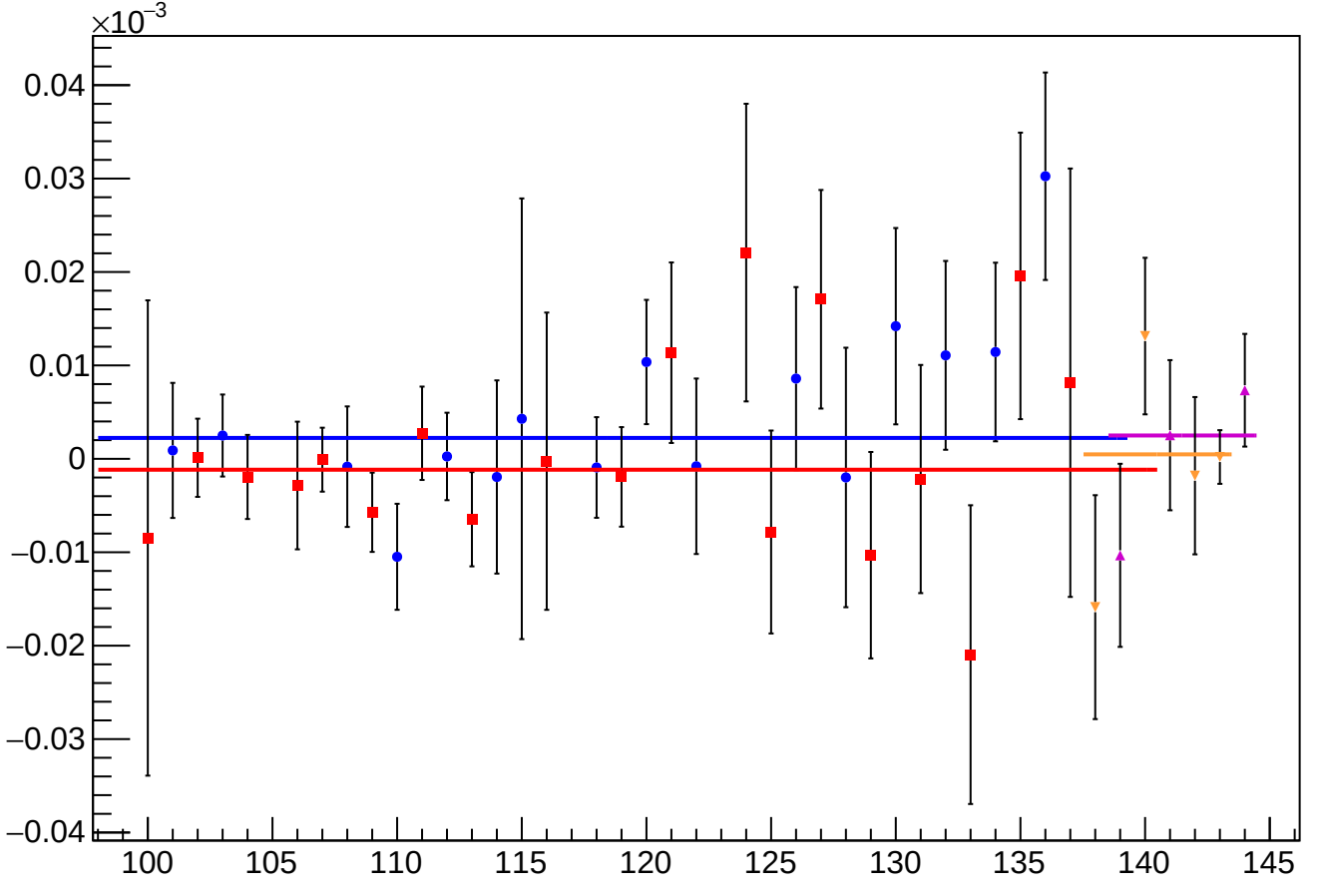
Left: 130.846+/-0.041 χ^2/NDF: 386500.9/6

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 66.909+/-0.018 χ^2/NDF:4587186.9/18

Out: 70.281+/-0.018 χ^2/NDF:4488409.0/22

All: 68.566+/-0.013 χ^2/NDF: 9092941.7/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

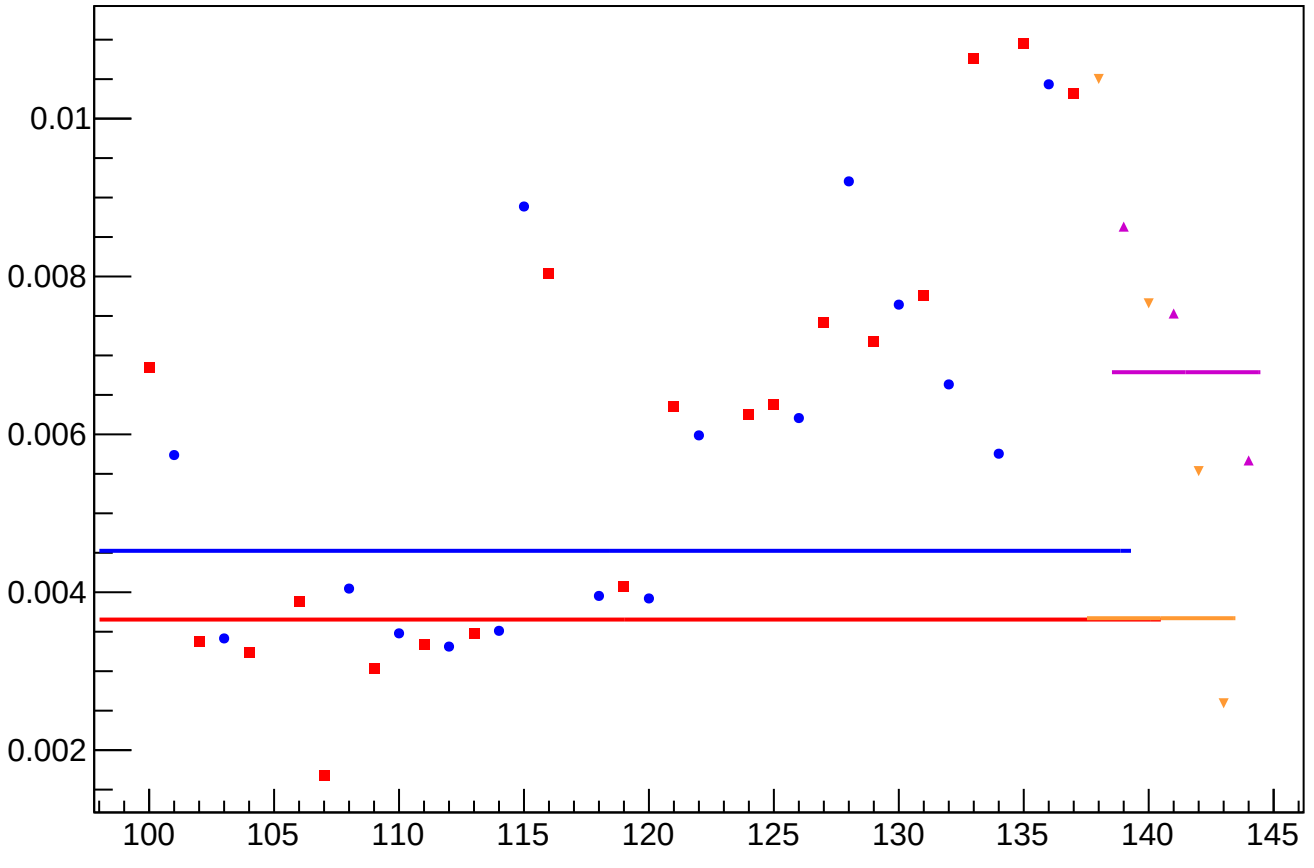
Left: 0.000+/-0.000 χ^2/NDF: 6.8/6

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.8/18

Out: -0.000+/-0.000 χ^2/NDF:18.6/22

All: 0.000+/-0.000 χ^2/NDF: 40.5/41



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1482702.4/3

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.007+/-0.000 χ^2/NDF:156655.3/2

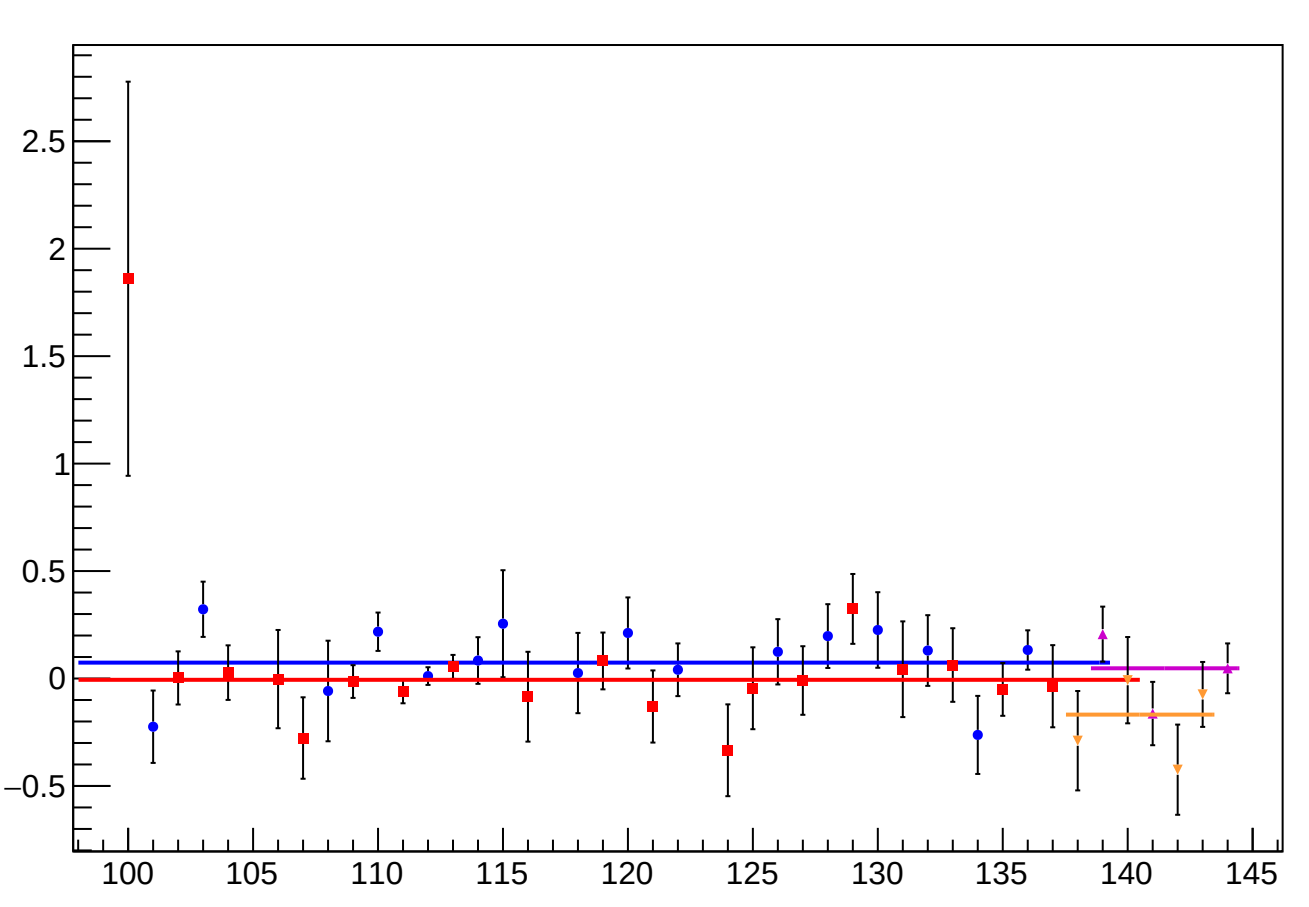
Left: 0.004+/-0.000 χ^2/NDF: 2412519.6/6

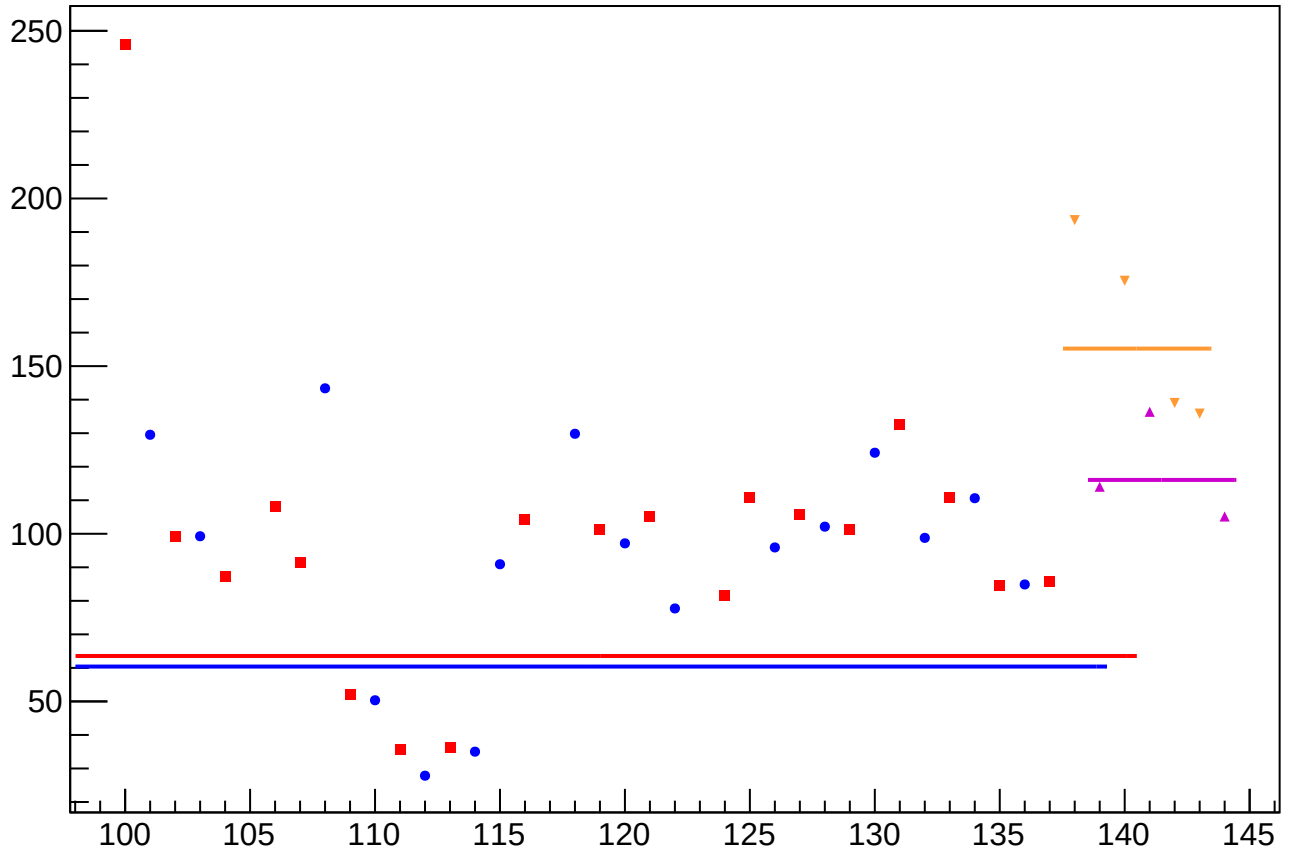
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.005+/-0.000 χ^2/NDF:2343088.2/18

Out: 0.004+/-0.000 χ^2/NDF:4416017.2/22

All: 0.004+/-0.000 χ^2/NDF: 7409275.1/41


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.168+/-0.095 χ²/NDF:2.8/3
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.048+/-0.074 χ²/NDF:3.6/2
Left: -0.034+/-0.059 χ²/NDF: 9.6/6
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.071+/-0.025 χ²/NDF:22.7/18
Out: -0.018+/-0.026 χ²/NDF:21.9/22
All: 0.027+/-0.018 χ²/NDF: 50.6/41



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.061+/-0.052 χ^2/NDF:56202.9/2

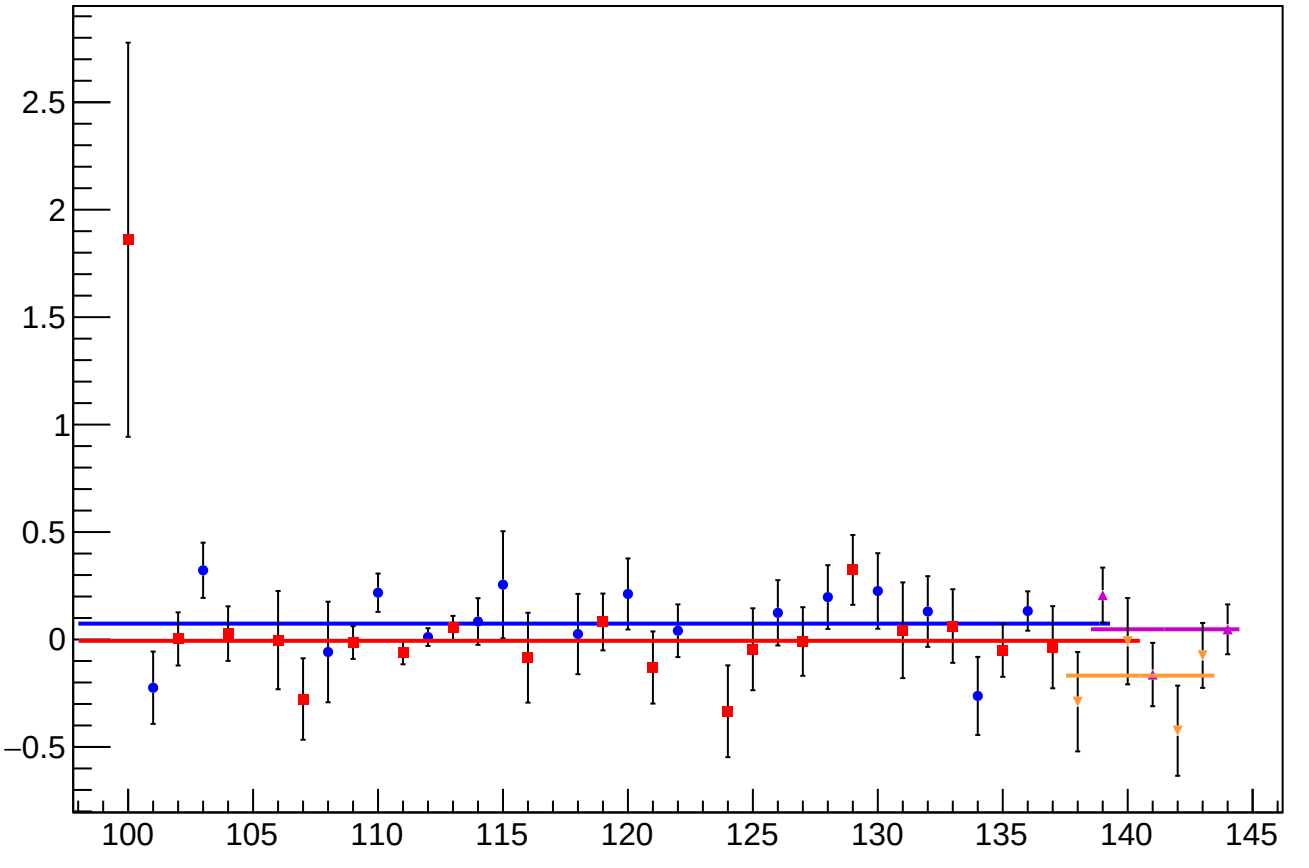
Left: 130.846+/-0.041 χ^2/NDF: 386492.8/6

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 66.907+/-0.018 χ^2/NDF:4587535.5/18

Out: 70.279+/-0.018 χ^2/NDF:4488758.2/22

All: 68.564+/-0.013 χ^2/NDF: 9093642.0/41



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.074 χ^2/NDF:3.6/2

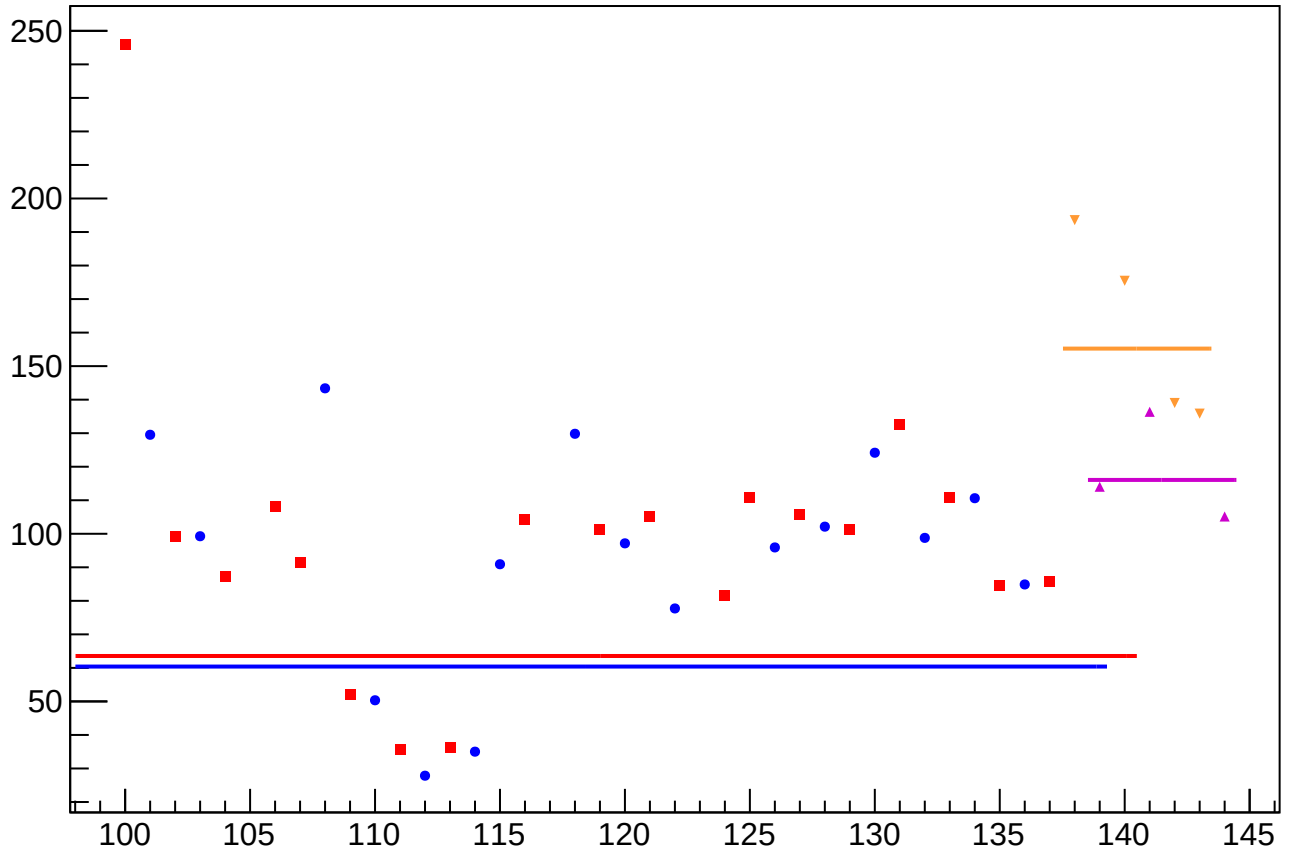
Left: -0.034+/-0.059 χ^2/NDF: 9.6/6

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.025 χ^2/NDF:22.7/18

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.6/41



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.061+/-0.052 χ^2/NDF:56202.9/2

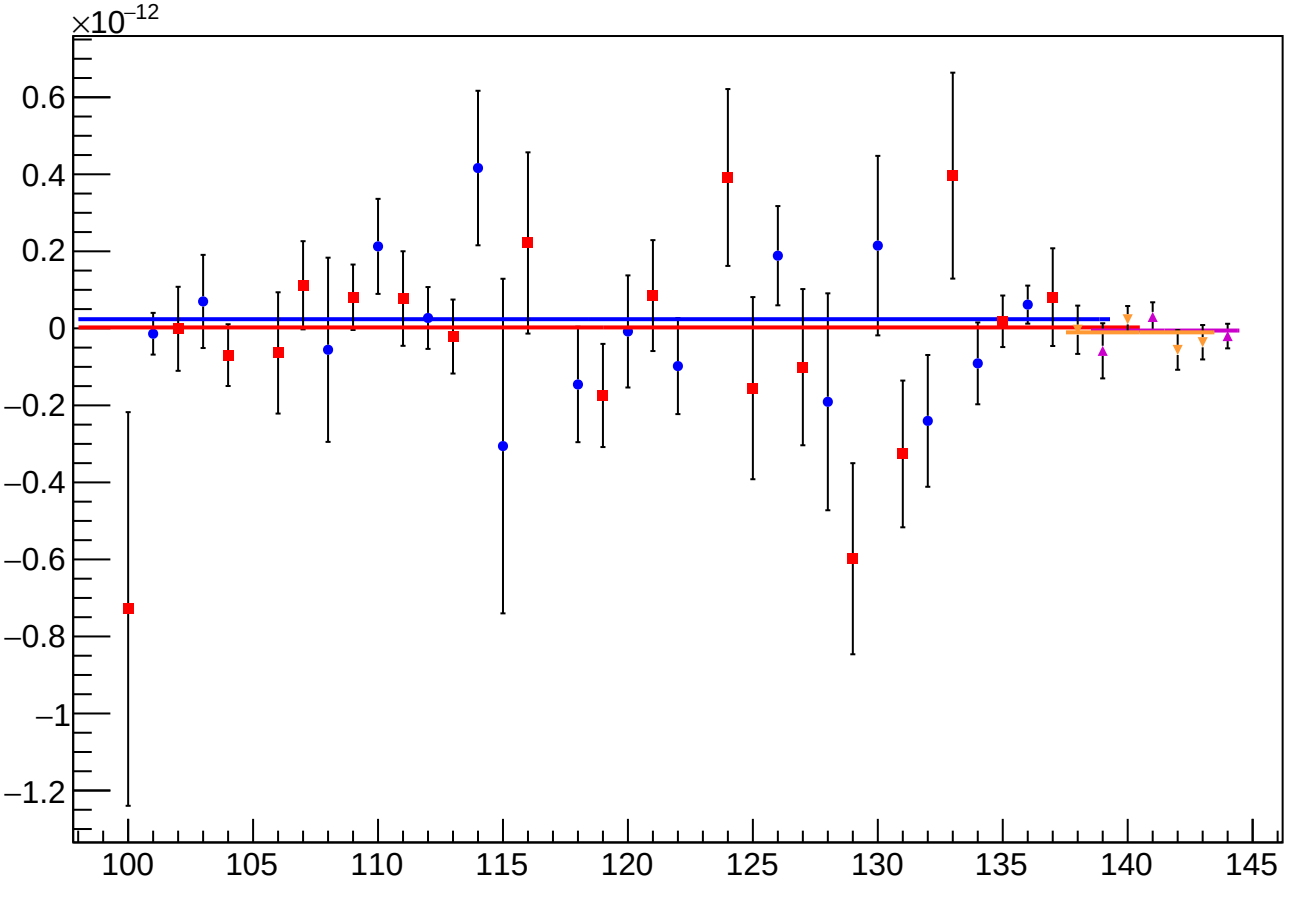
Left: 130.846+/-0.041 χ^2/NDF: 386492.8/6

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 66.907+/-0.018 χ^2/NDF:4587535.5/18

Out: 70.279+/-0.018 χ^2/NDF:4488758.2/22

All: 68.564+/-0.013 χ^2/NDF: 9093642.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/2

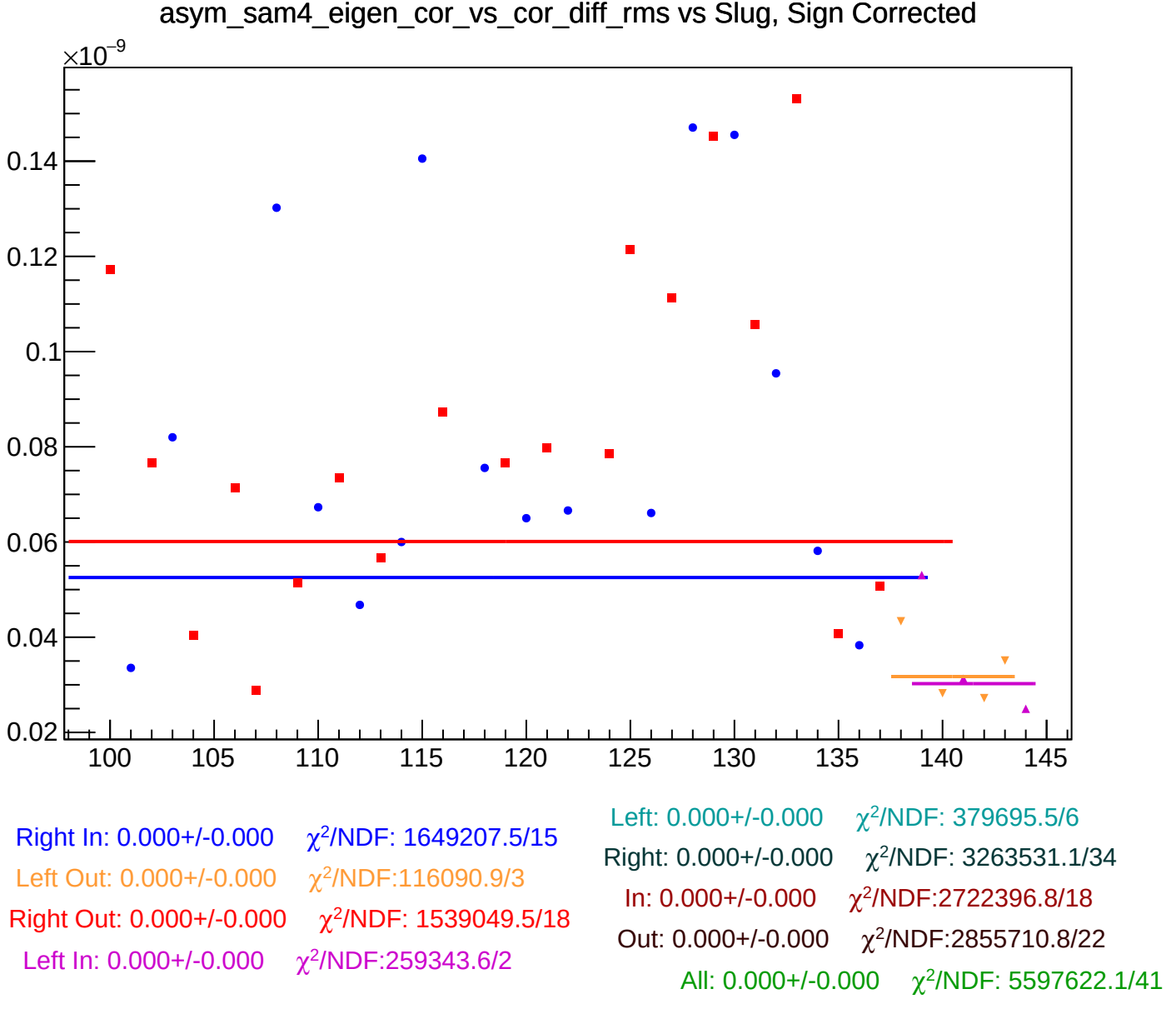
Left: -0.000+/-0.000 χ^2/NDF: 3.7/6

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

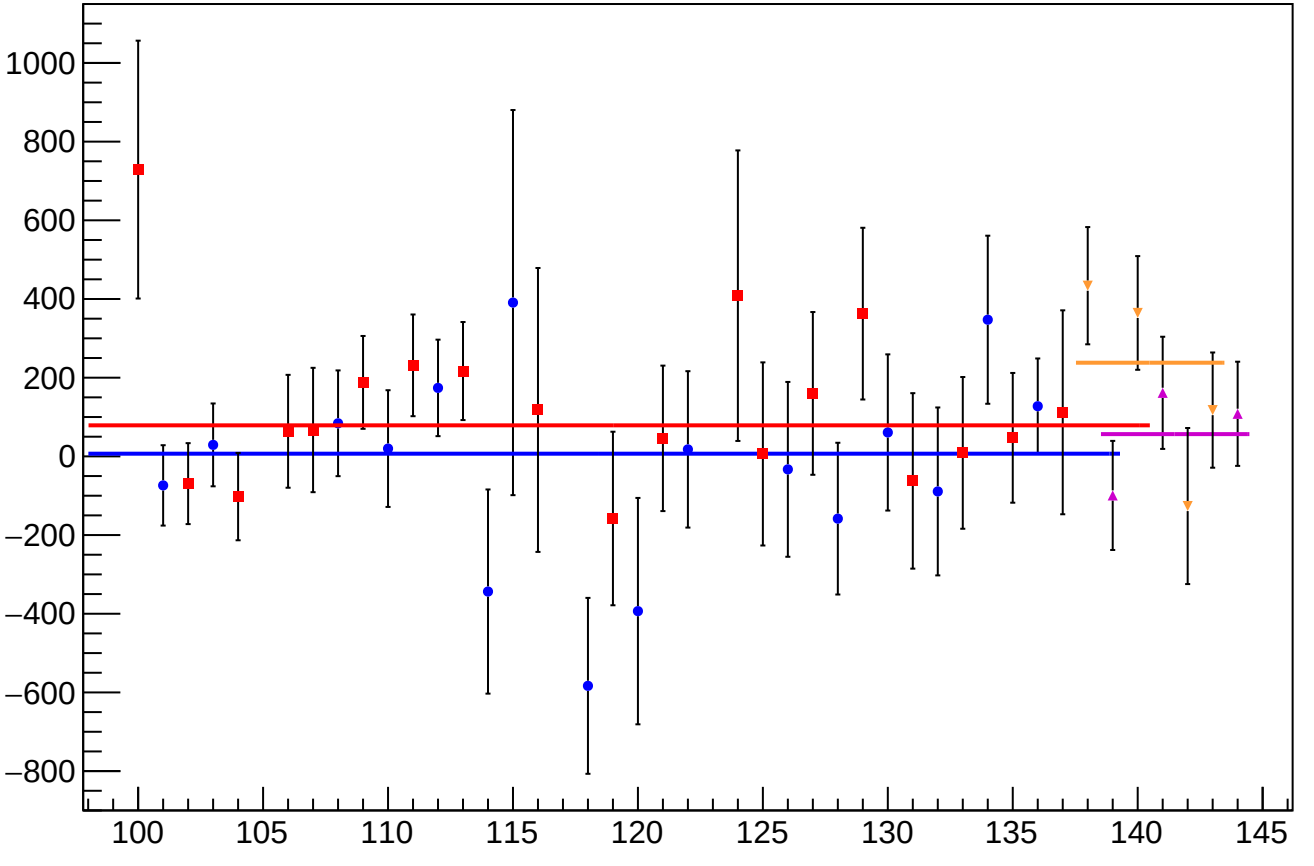
In: 0.000+/-0.000 χ^2/NDF:19.1/18

Out: -0.000+/-0.000 χ^2/NDF:25.4/22

All: 0.000+/-0.000 χ^2/NDF: 44.8/41


asym_sam4_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
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1649207.5/15
Left Out: 0.000+/-0.000 χ²/NDF:116090.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1539049.5/18
Left In: 0.000+/-0.000 χ²/NDF:259343.6/2
Left: 0.000+/-0.000 χ²/NDF: 379695.5/6
Right: 0.000+/-0.000 χ²/NDF: 3263531.1/34
In: 0.000+/-0.000 χ²/NDF:2722396.8/18
Out: 0.000+/-0.000 χ²/NDF:2855710.8/22
All: 0.000+/-0.000 χ²/NDF: 5597622.1/41

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.059+/-77.852 χ^2/NDF:6.5/3

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 56.575+/-79.488 χ^2/NDF:2.0/2

Left: 149.205+/-55.619 χ^2/NDF: 11.2/6

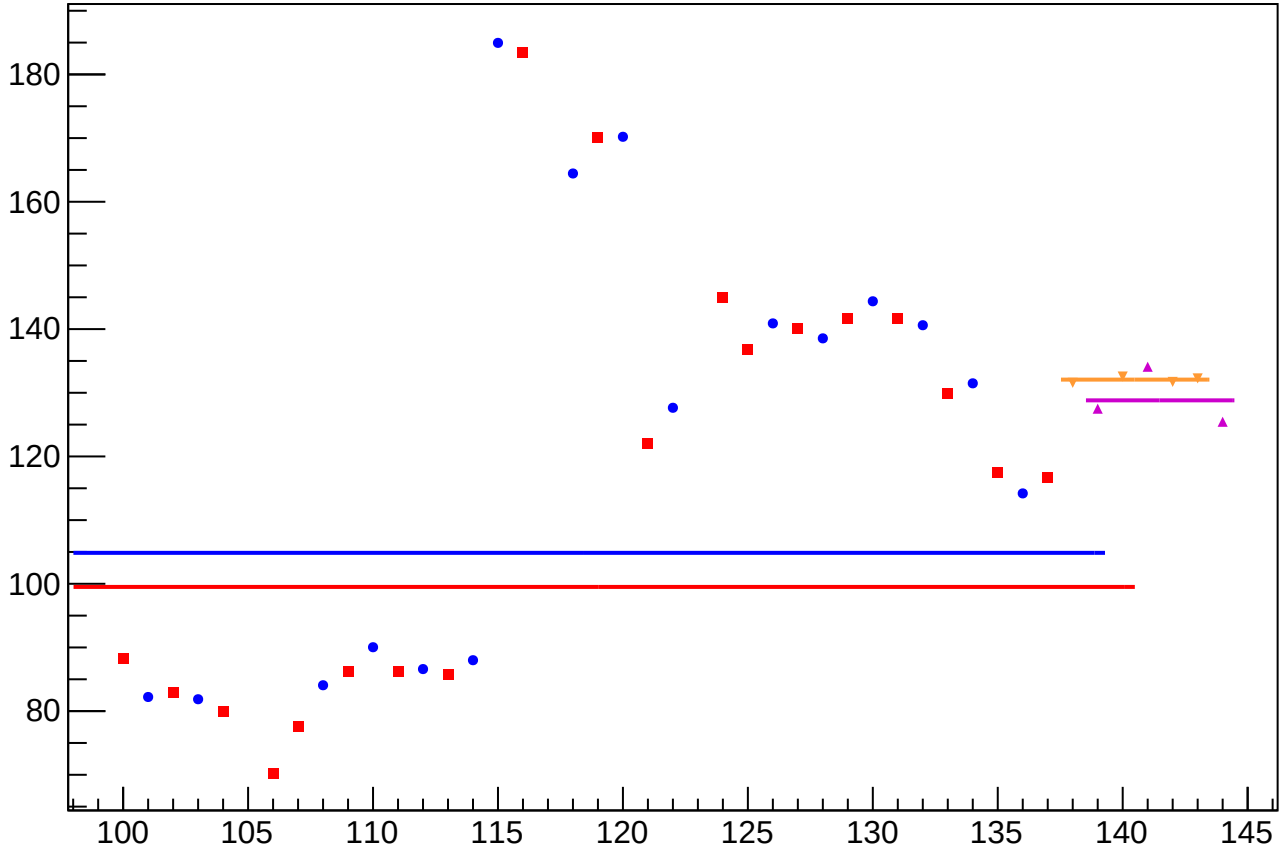
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 17.008+/-35.982 χ^2/NDF:21.1/18

Out: 109.387+/-34.081 χ^2/NDF:26.6/22

All: 65.702+/-24.744 χ^2/NDF: 51.1/41

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

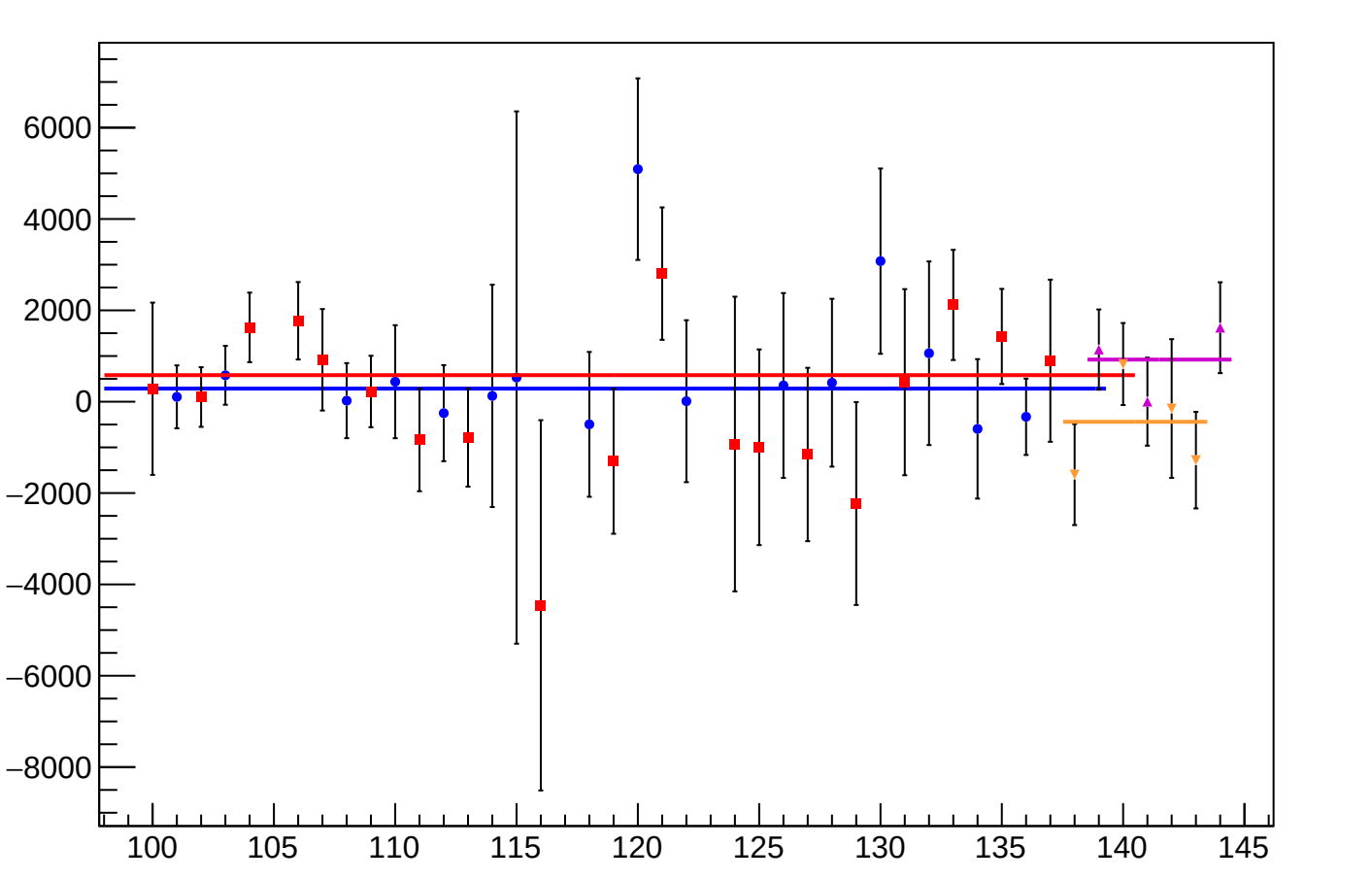
Left: 130.473+/-0.039 χ^2/NDF: 5979.5/6

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 109.767+/-0.025 χ^2/NDF:1079801.6/18

Out: 105.747+/-0.024 χ^2/NDF:1321880.3/22

All: 107.648+/-0.017 χ^2/NDF: 2414840.4/41



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -440.040+/-543.606 χ^2/NDF:3.7/3

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 921.892+/-543.531 χ^2/NDF:1.5/2

Left: 241.020+/-384.361 χ^2/NDF: 8.3/6

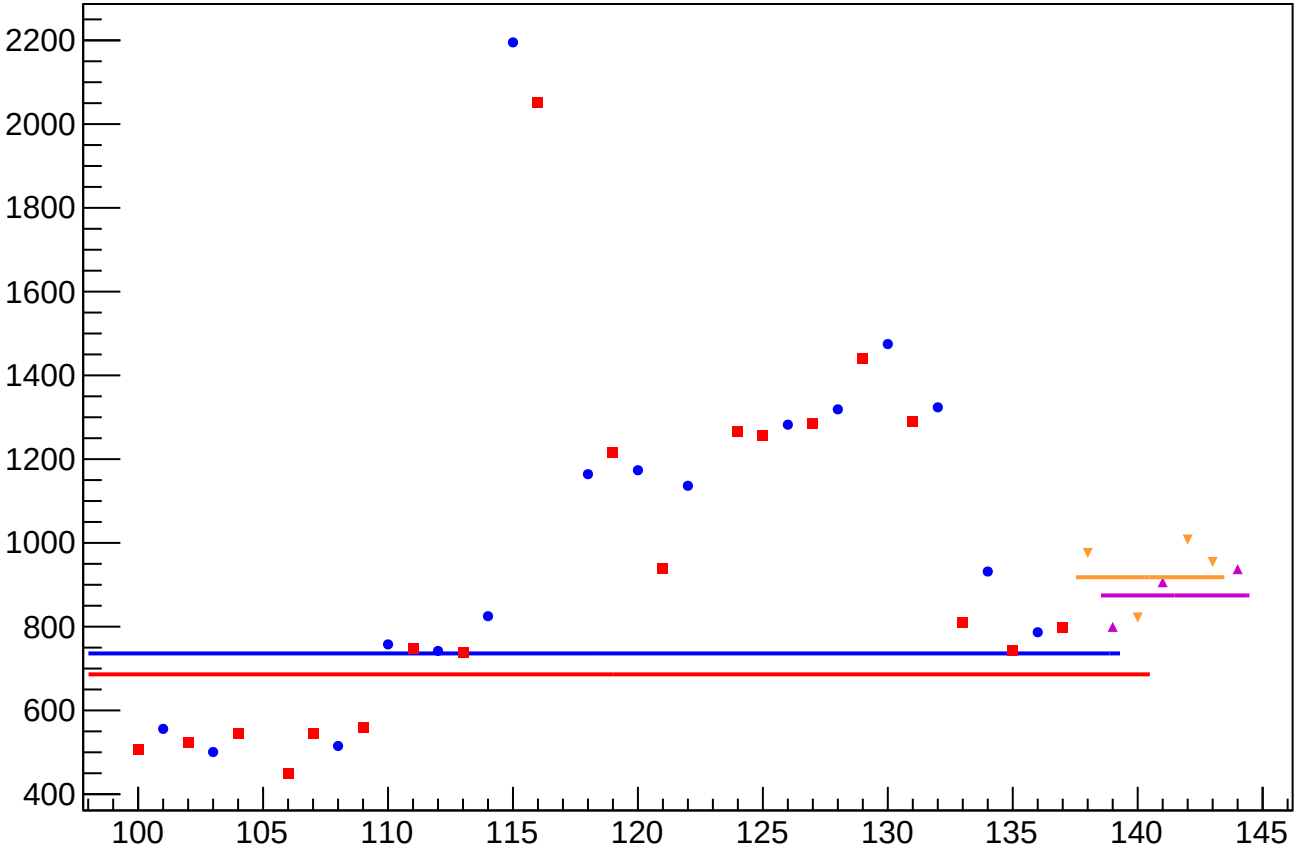
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 430.246+/-258.236 χ^2/NDF:12.2/18

Out: 379.402+/-241.654 χ^2/NDF:25.3/22

All: 403.140+/-176.446 χ^2/NDF: 37.6/41

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.6/3

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 874.569+/-0.384 χ^2/NDF:24723.6/2

Left: 896.263+/-0.272 χ^2/NDF: 68913.5/6

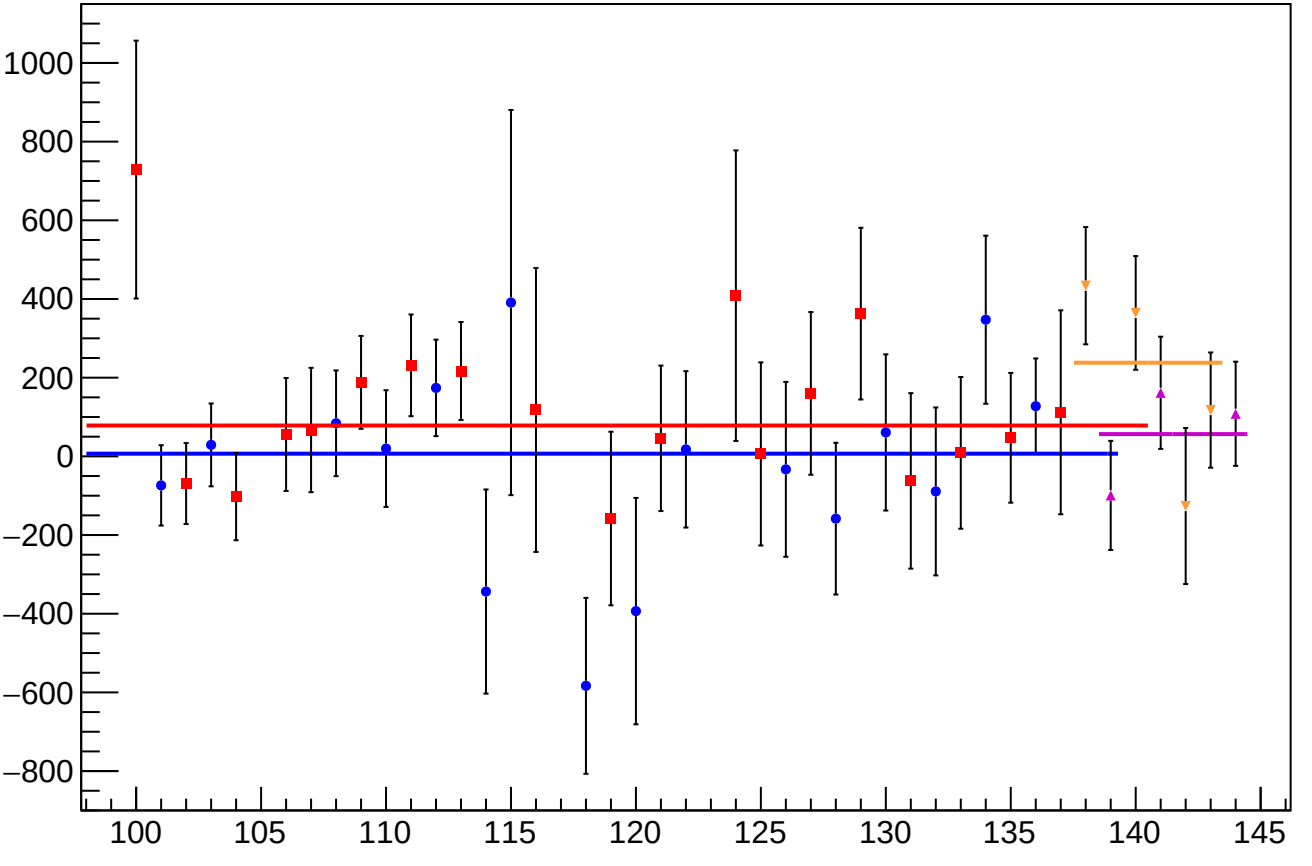
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 767.344+/-0.183 χ^2/NDF:1969746.2/18

Out: 731.926+/-0.171 χ^2/NDF:2148922.1/22

All: 748.461+/-0.125 χ^2/NDF: 4138725.7/41

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 56.578+/-79.488 χ^2/NDF:2.0/2

Left: 149.207+/-55.619 χ^2/NDF: 11.2/6

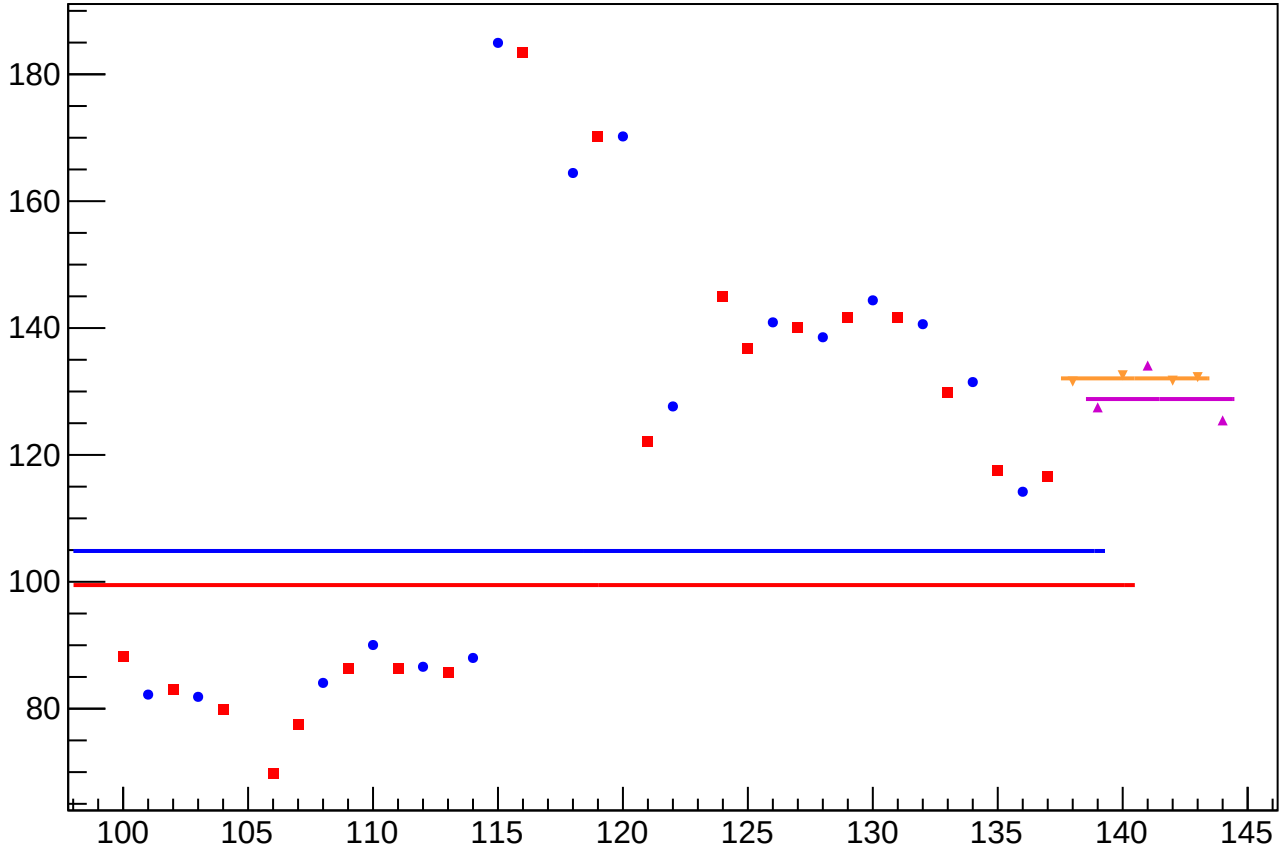
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 16.999+/-35.982 χ^2/NDF:21.1/18

Out: 108.958+/-34.083 χ^2/NDF:26.6/22

All: 65.470+/-24.744 χ^2/NDF: 51.1/41

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

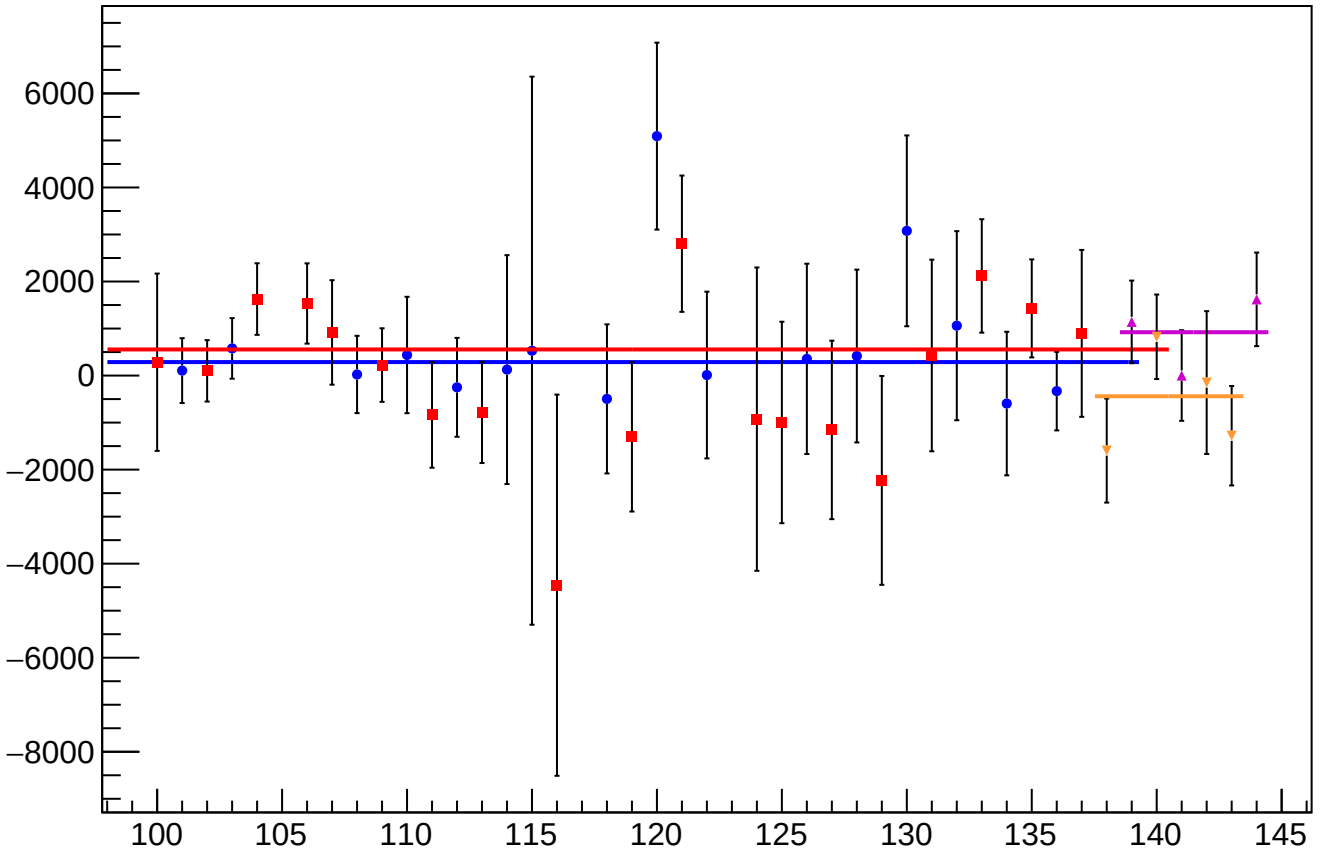
Left: 130.473+/-0.039 χ^2/NDF: 5979.5/6

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 109.767+/-0.025 χ^2/NDF:1079800.7/18

Out: 105.729+/-0.024 χ^2/NDF:1324474.5/22

All: 107.639+/-0.017 χ^2/NDF: 2417555.2/41



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.033+/-543.606 χ^2/NDF:3.7/3

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 921.883+/-543.531 χ^2/NDF:1.5/2

Left: 241.019+/-384.361 χ^2/NDF: 8.3/6

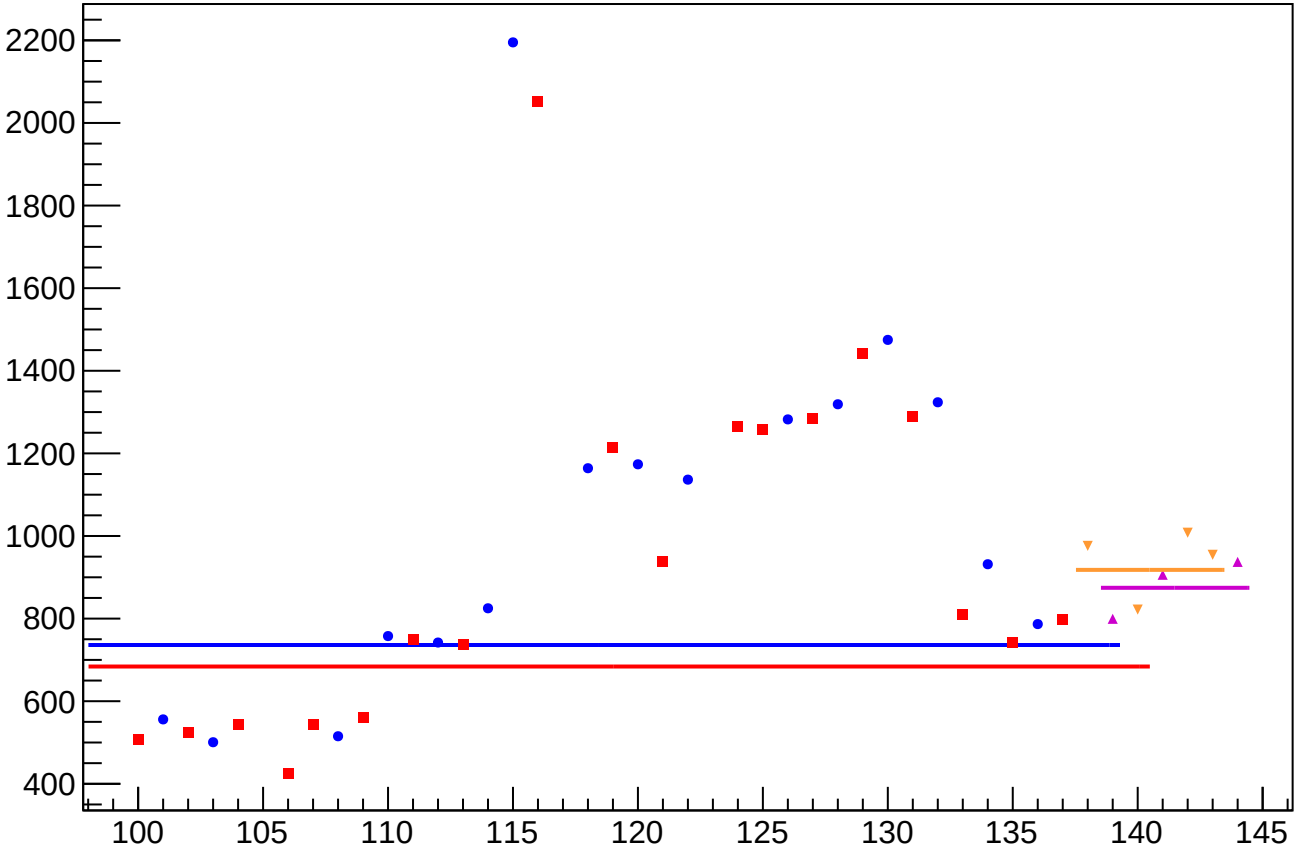
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 430.246+/-258.235 χ^2/NDF:12.2/18

Out: 358.509+/-241.782 χ^2/NDF:24.5/22

All: 392.019+/-176.496 χ^2/NDF: 36.7/41

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 874.569+/-0.384 χ^2/NDF:24723.8/2

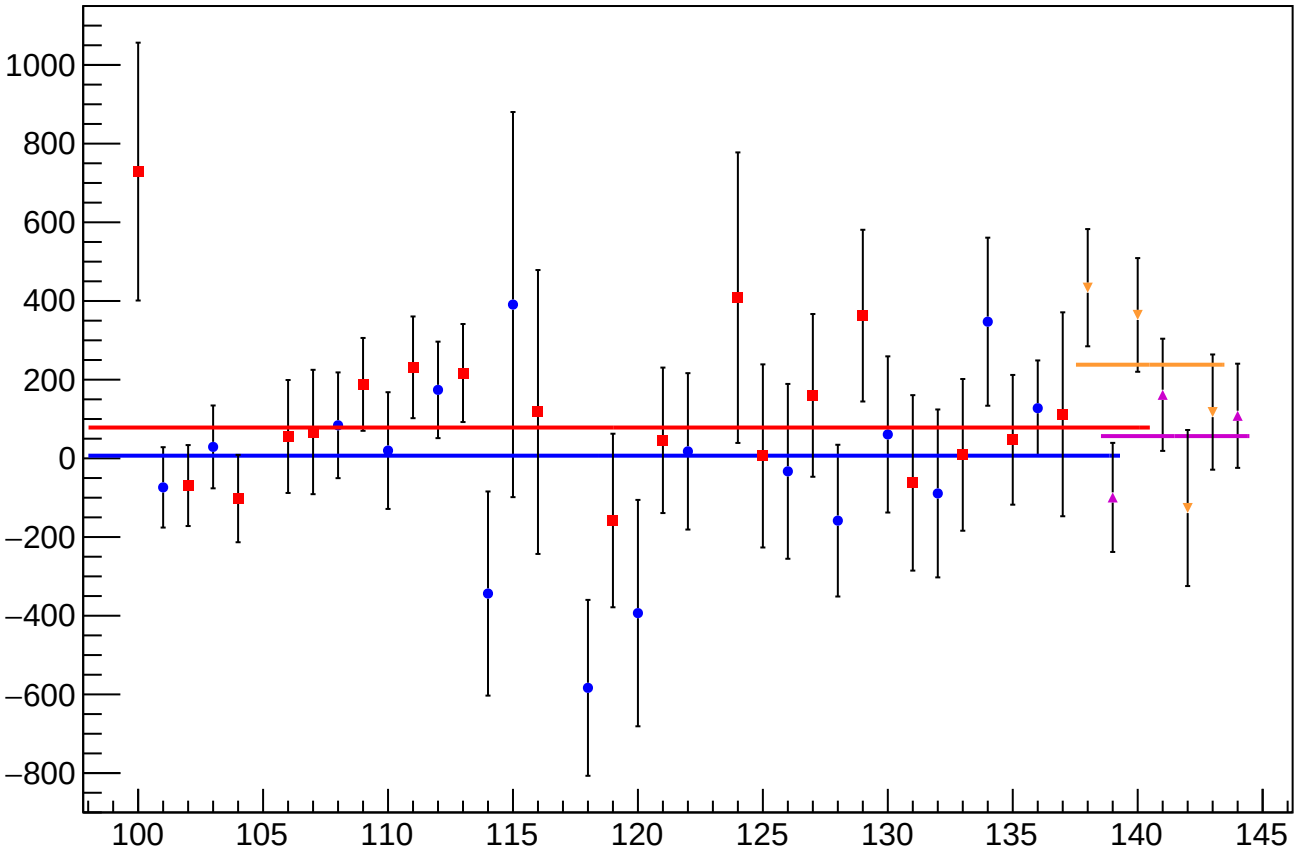
Left: 896.263+/-0.272 χ^2/NDF: 68913.6/6

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 767.343+/-0.183 χ^2/NDF:1969749.2/18

Out: 730.268+/-0.171 χ^2/NDF:2185453.1/22

All: 747.587+/-0.125 χ^2/NDF: 4177170.3/41



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 56.578+/-79.488 χ^2/NDF:2.0/2

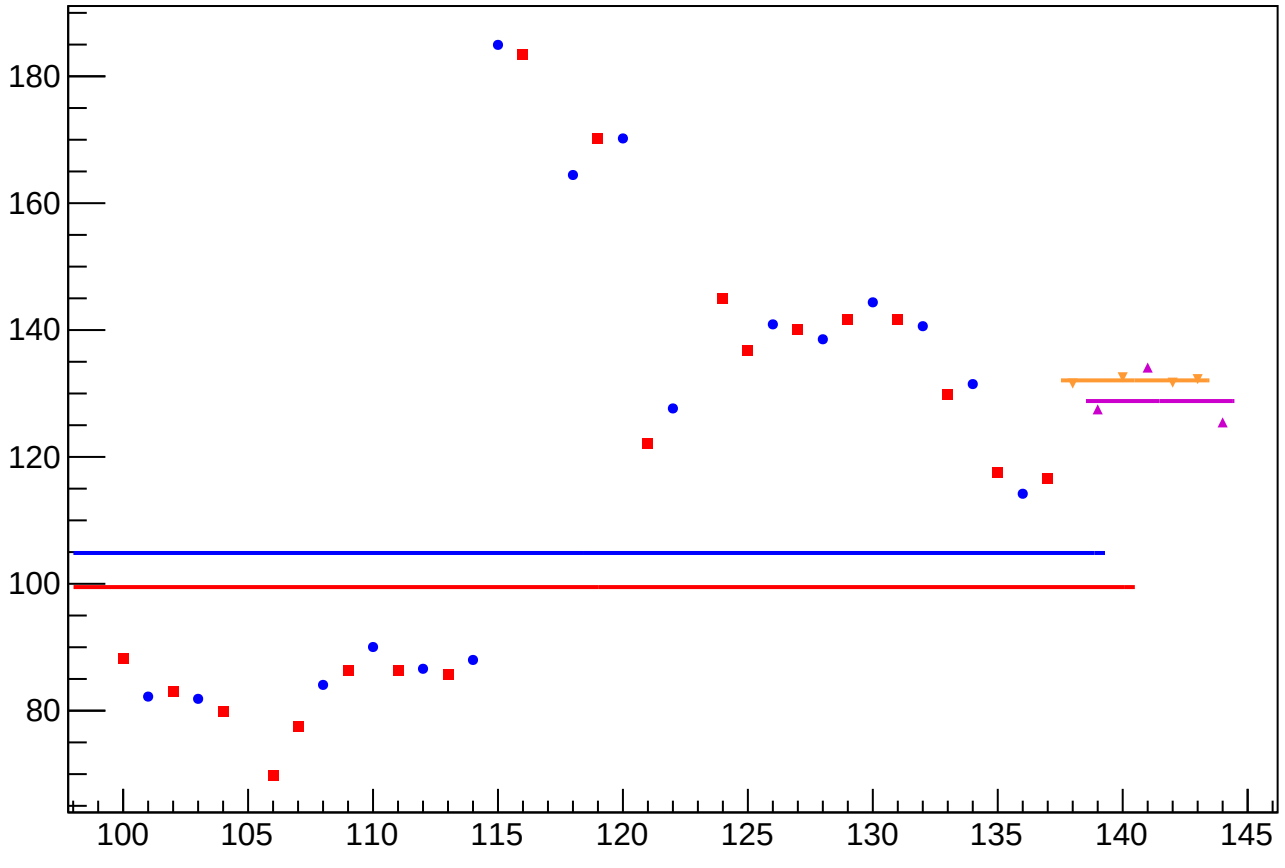
Left: 149.207+/-55.619 χ^2/NDF: 11.2/6

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 16.999+/-35.982 χ^2/NDF:21.1/18

Out: 108.958+/-34.083 χ^2/NDF:26.6/22

All: 65.470+/-24.744 χ^2/NDF: 51.1/41



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 128.810+/-0.056 χ^2/NDF:4209.5/2

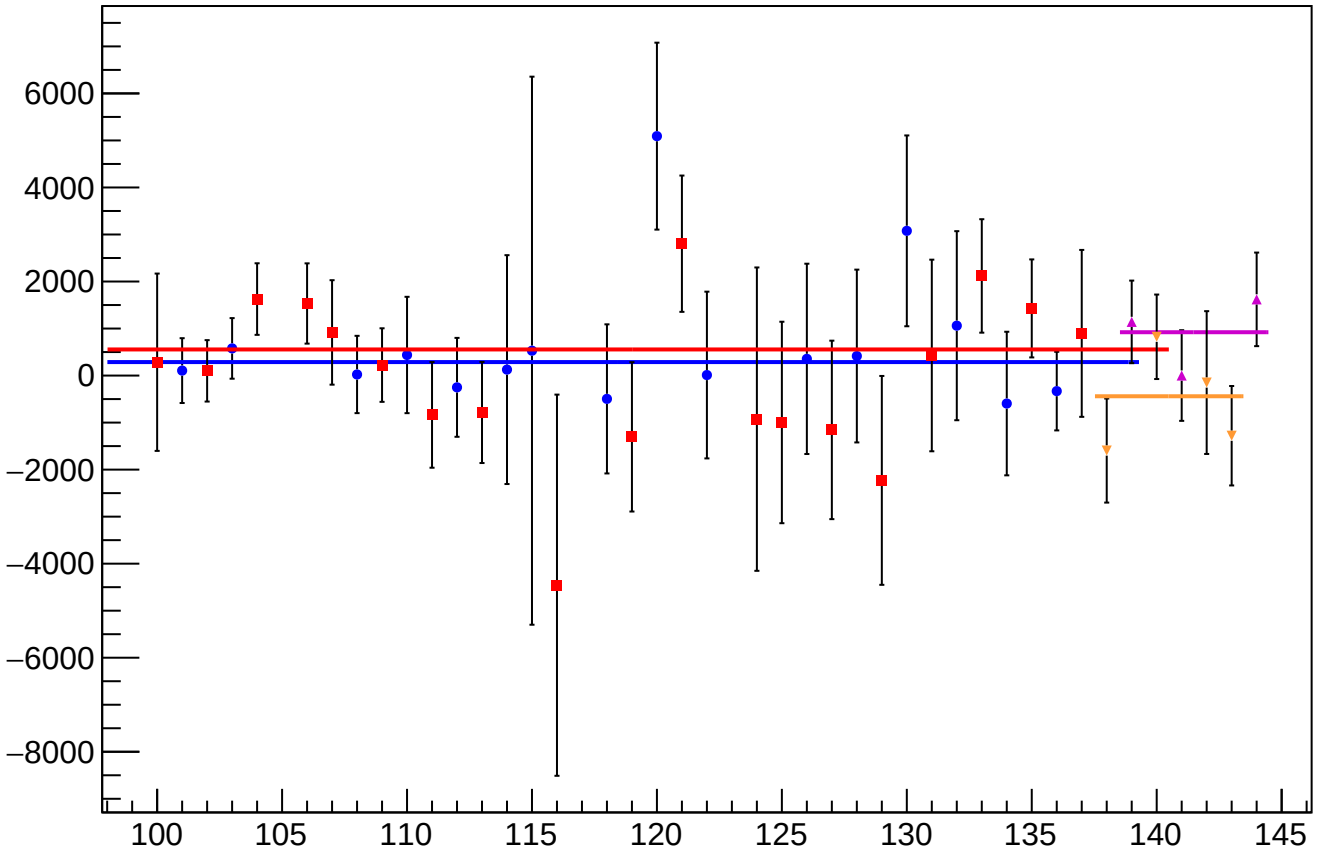
Left: 130.473+/-0.039 χ^2/NDF: 5979.5/6

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 109.767+/-0.025 χ^2/NDF:1079800.7/18

Out: 105.729+/-0.024 χ^2/NDF:1324474.5/22

All: 107.639+/-0.017 χ^2/NDF: 2417555.2/41



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.033+/-543.606 χ^2/NDF:3.7/3

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 921.883+/-543.531 χ^2/NDF:1.5/2

Left: 241.019+/-384.361 χ^2/NDF: 8.3/6

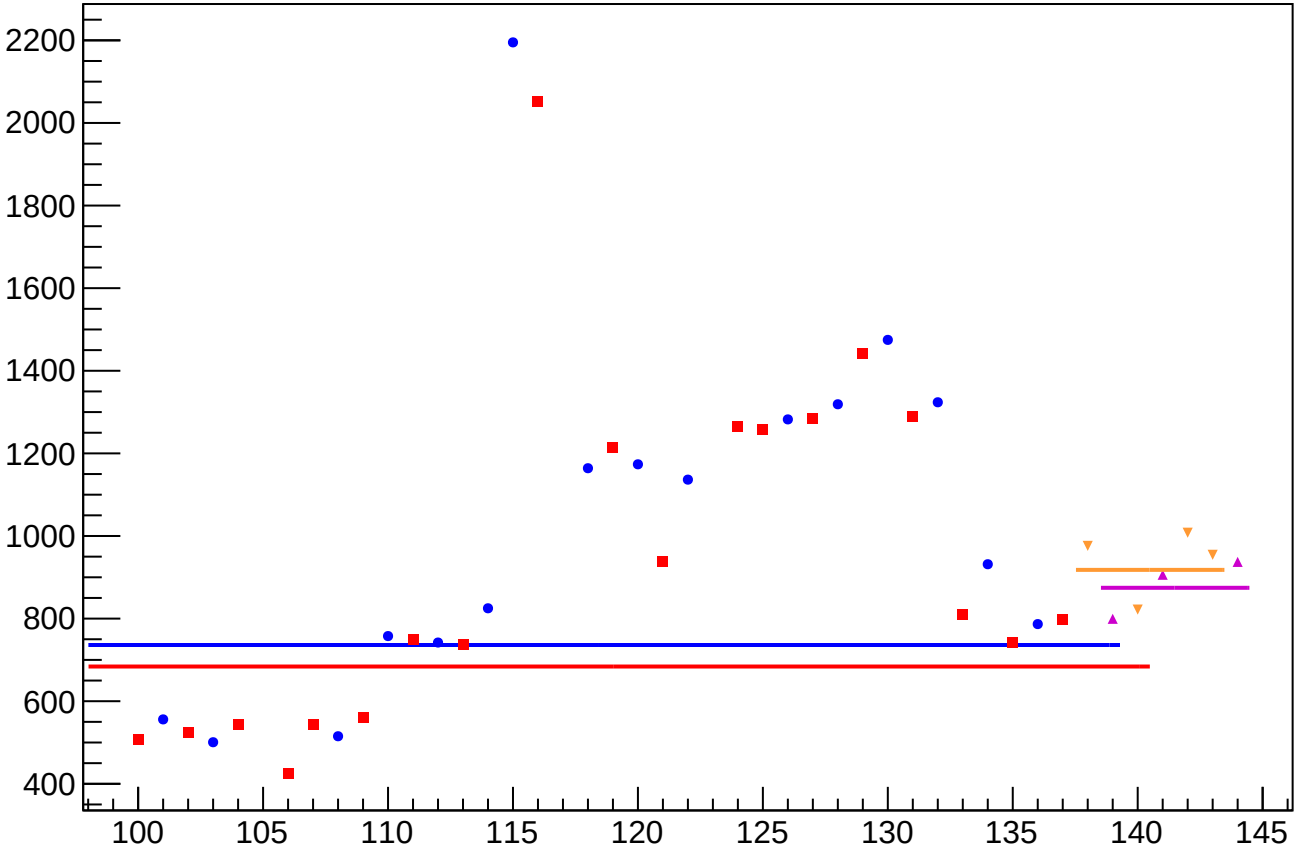
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 430.246+/-258.235 χ^2/NDF:12.2/18

Out: 358.509+/-241.782 χ^2/NDF:24.5/22

All: 392.019+/-176.496 χ^2/NDF: 36.7/41

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 874.569+/-0.384 χ^2/NDF:24723.8/2

Left: 896.263+/-0.272 χ^2/NDF: 68913.6/6

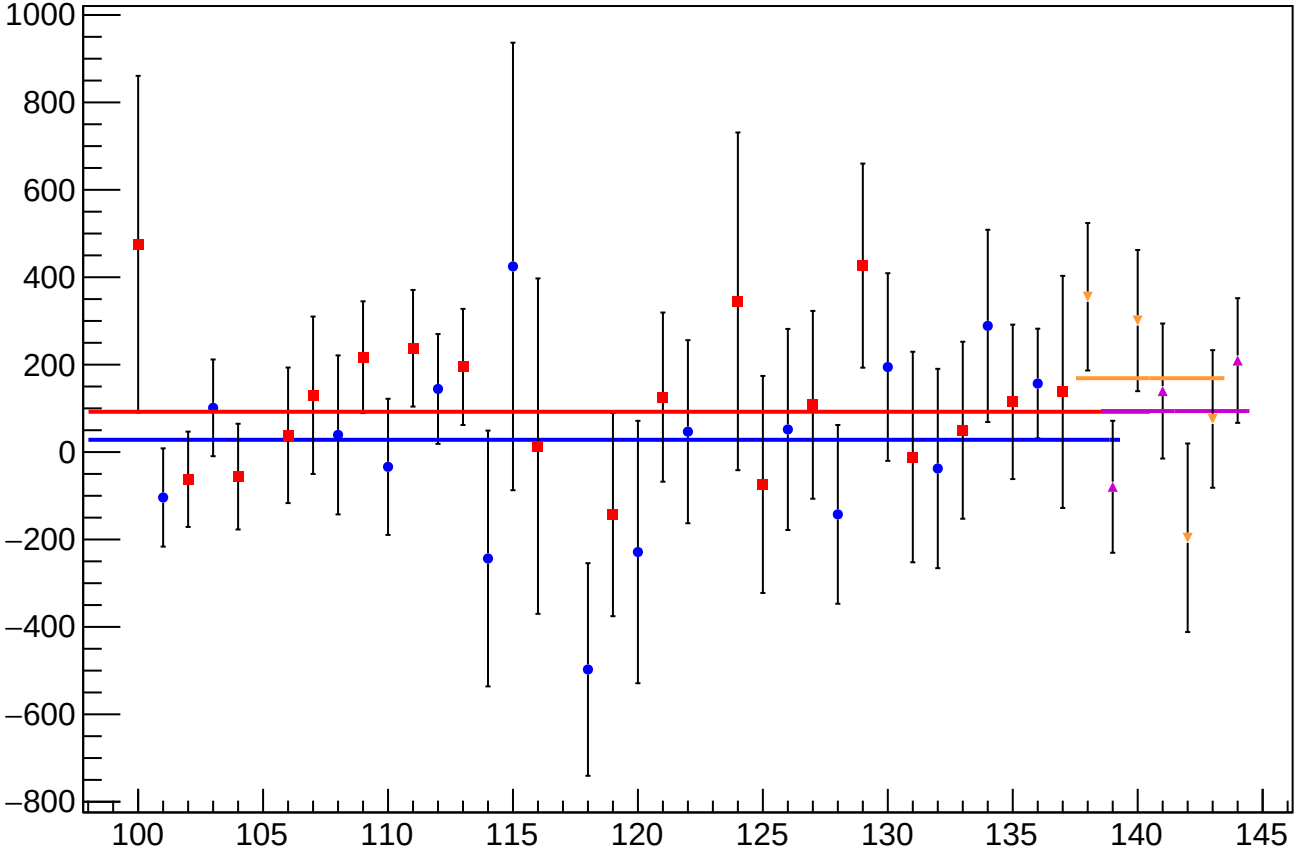
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 767.343+/-0.183 χ^2/NDF:1969749.2/18

Out: 730.268+/-0.171 χ^2/NDF:2185453.1/22

All: 747.587+/-0.125 χ^2/NDF: 4177170.3/41

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.958 χ^2/NDF:5.1/3

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 93.848+/-86.081 χ^2/NDF:2.1/2

Left: 131.474+/-60.825 χ^2/NDF: 7.5/6

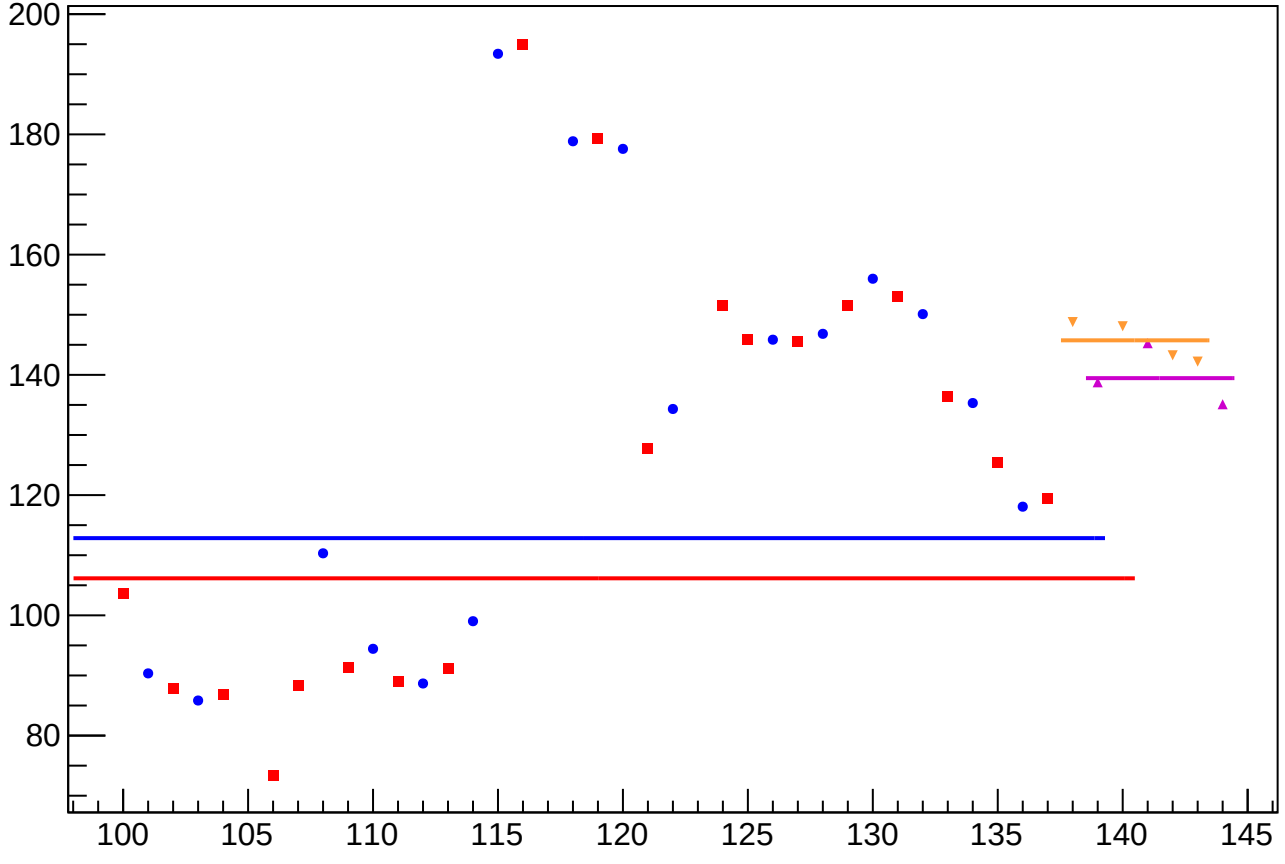
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 41.440+/-38.781 χ^2/NDF:16.1/18

Out: 106.211+/-36.666 χ^2/NDF:17.5/22

All: 75.639+/-26.643 χ^2/NDF: 35.0/41

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 145.743+/-0.061 χ^2/NDF:2346.0/3

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 139.455+/-0.061 χ^2/NDF:4727.2/2

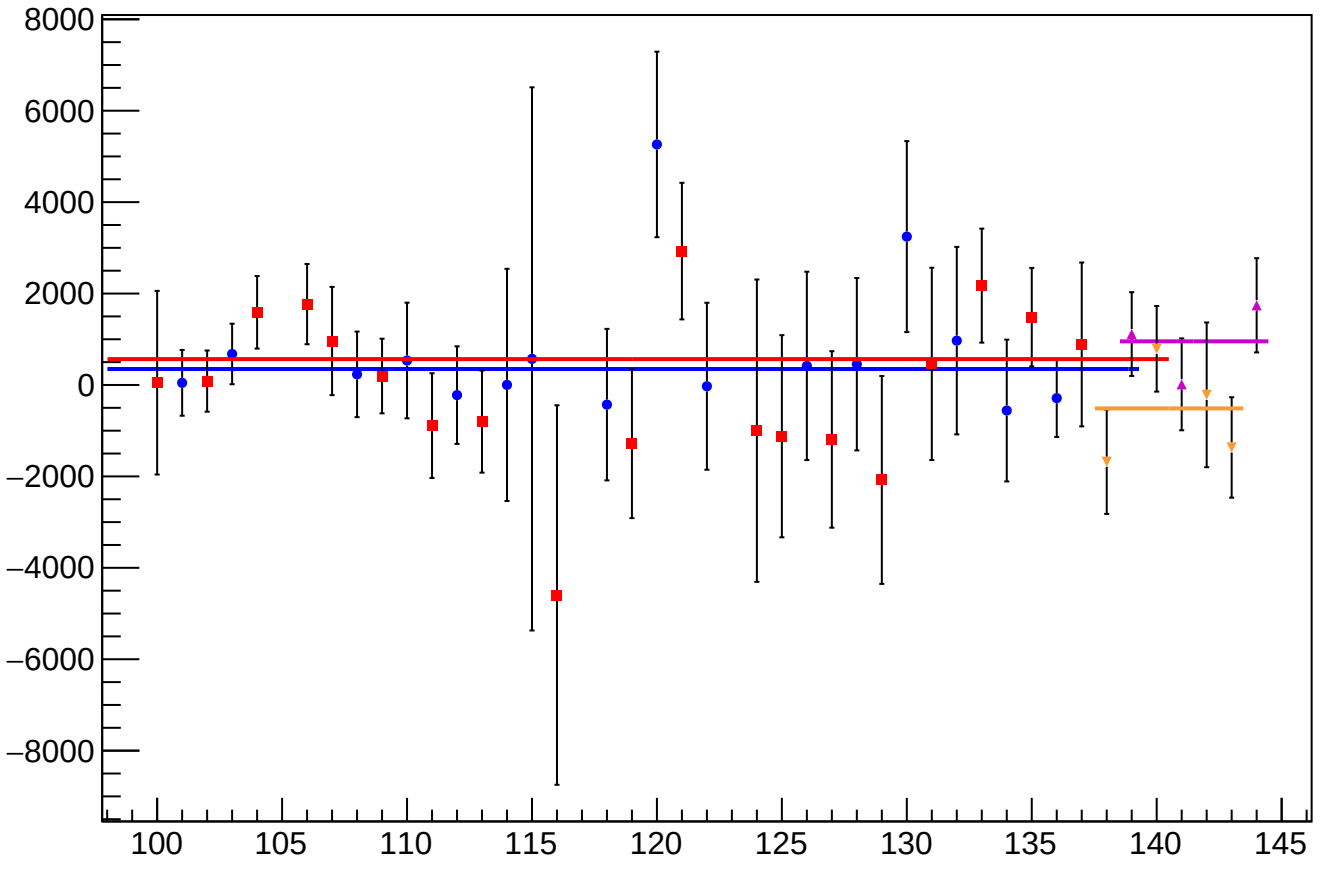
Left: 142.604+/-0.043 χ^2/NDF: 12417.7/6

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 118.244+/-0.027 χ^2/NDF:1029308.2/18

Out: 113.361+/-0.026 χ^2/NDF:1351464.9/22

All: 115.666+/-0.019 χ^2/NDF: 2397515.1/41



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.399+/-564.840 χ^2/NDF:3.6/3

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 954.543+/-565.898 χ^2/NDF:1.5/2

Left: 219.699+/-399.776 χ^2/NDF: 8.5/6

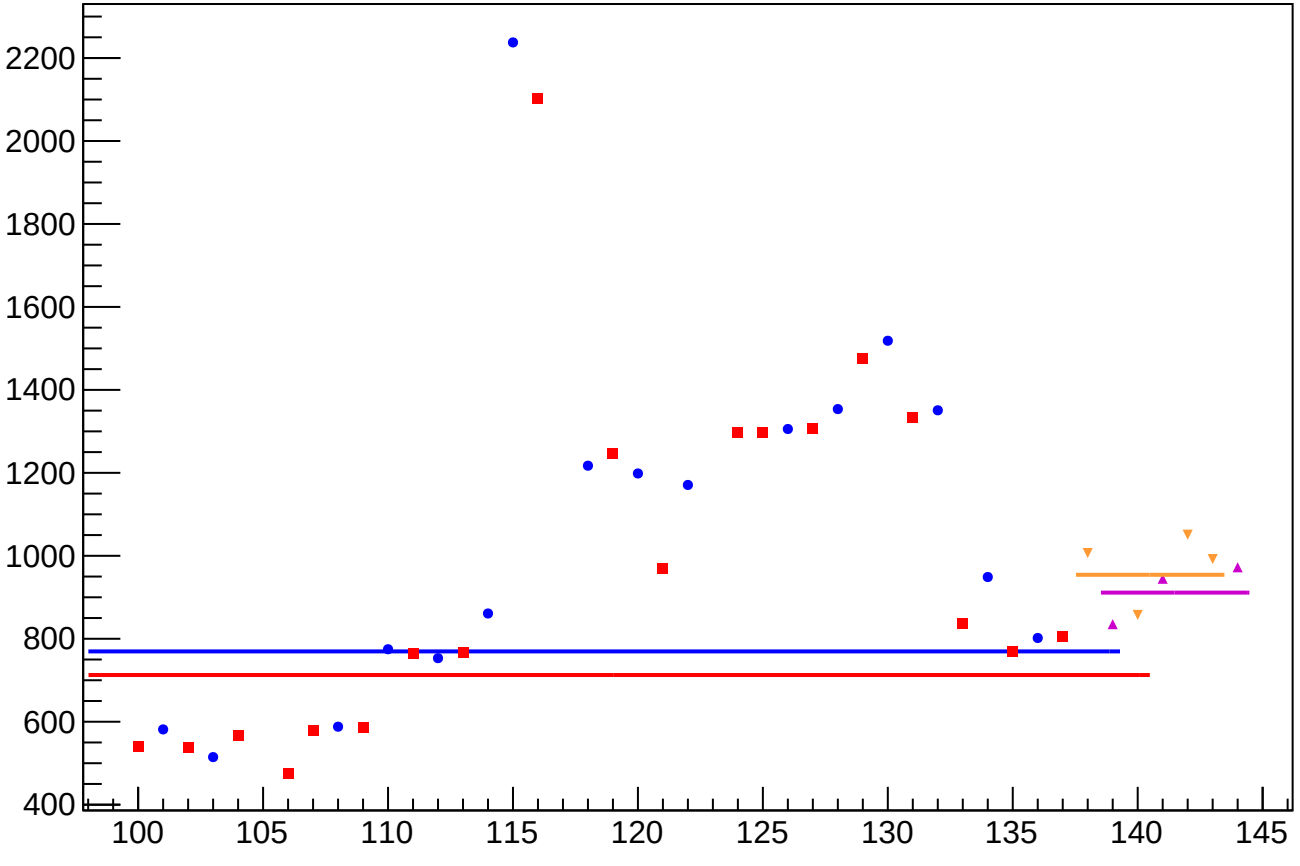
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 485.620+/-268.711 χ^2/NDF:12.2/18

Out: 354.248+/-250.306 χ^2/NDF:24.9/22

All: 415.282+/-183.154 χ^2/NDF: 37.2/41

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 954.219+/-0.399 χ^2/NDF:35390.5/3

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 911.274+/-0.400 χ^2/NDF:23028.7/2

Left: 932.787+/-0.283 χ^2/NDF: 64188.9/6

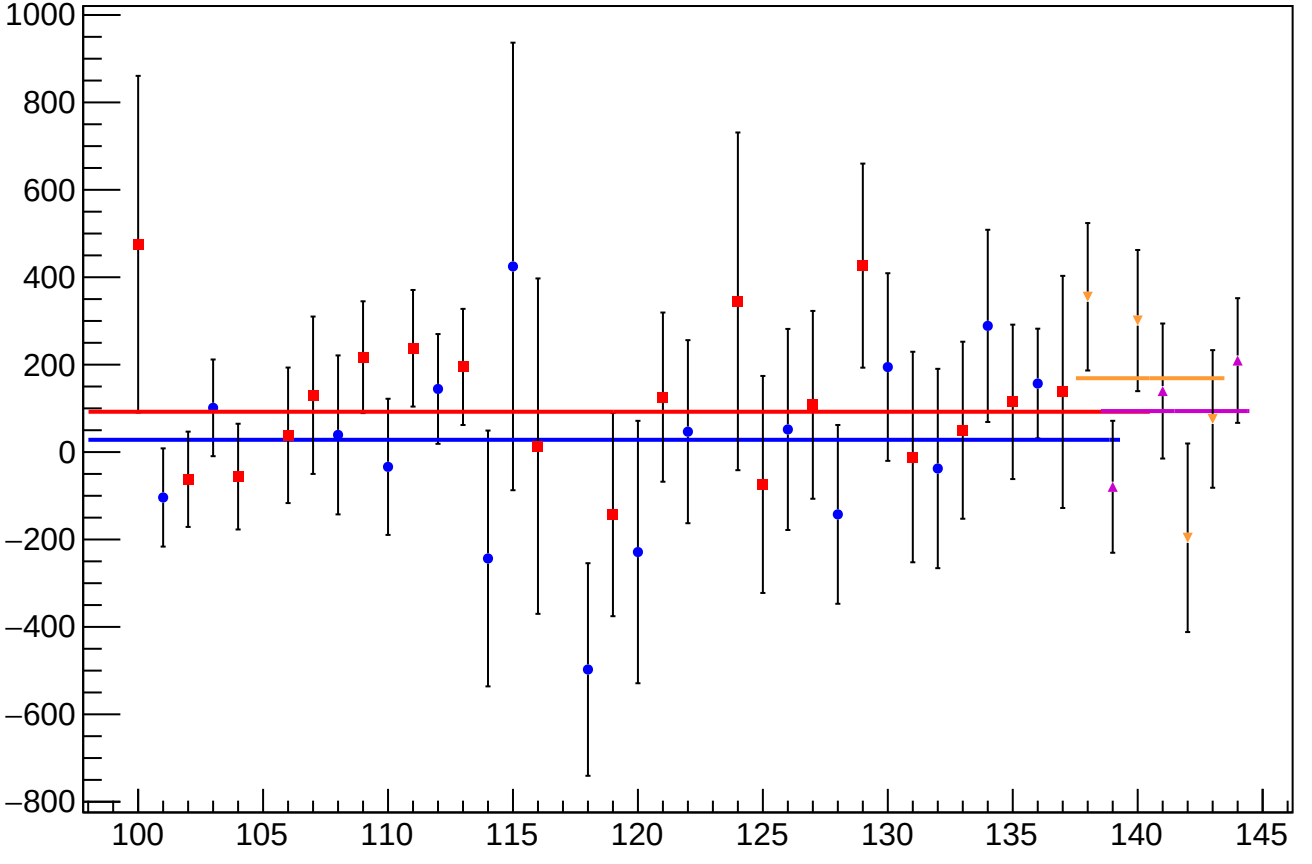
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 801.511+/-0.190 χ^2/NDF:1860113.8/18

Out: 760.071+/-0.177 χ^2/NDF:2096646.3/22

All: 779.323+/-0.130 χ^2/NDF: 3982227.3/41

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.959 χ^2/NDF:5.1/3

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 93.849+/-86.081 χ^2/NDF:2.1/2

Left: 131.475+/-60.825 χ^2/NDF: 7.5/6

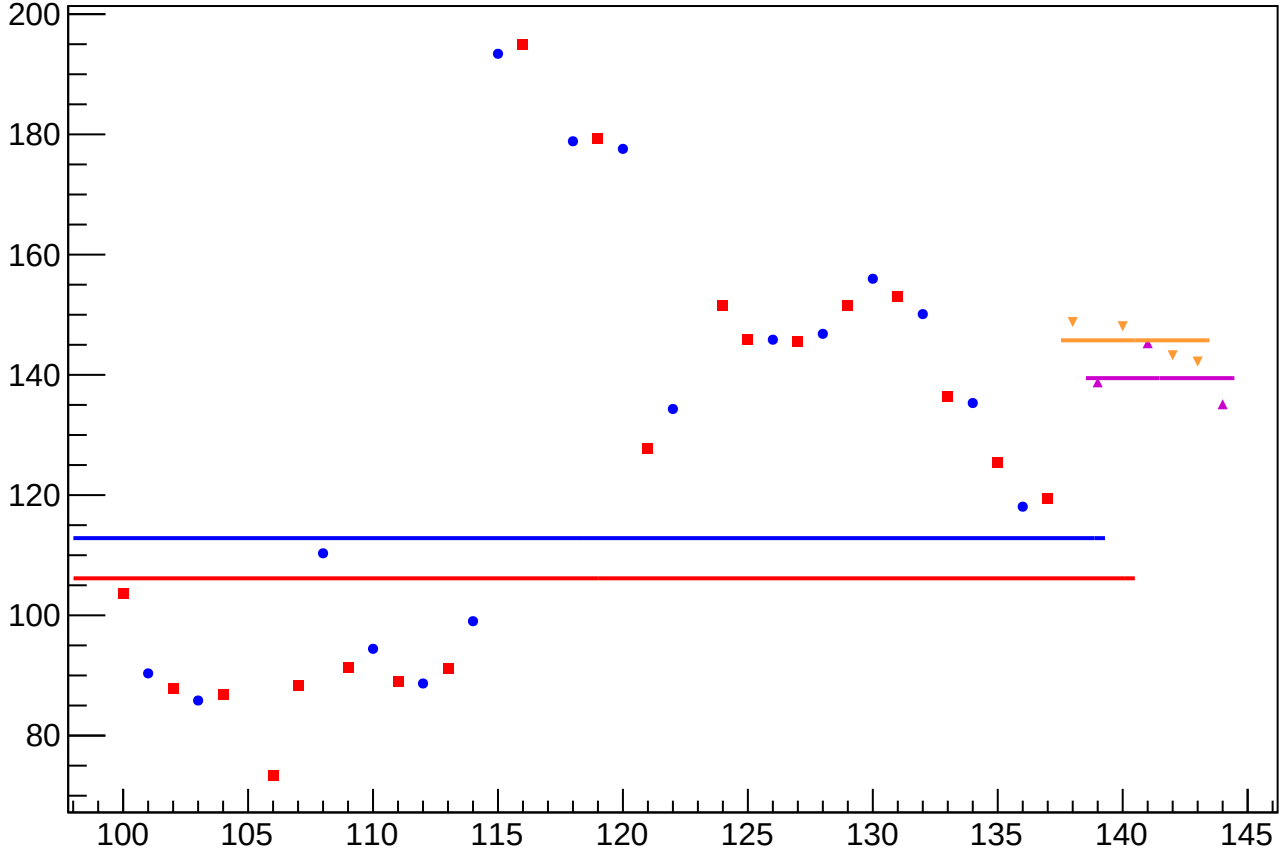
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 41.439+/-38.781 χ^2/NDF:16.1/18

Out: 106.211+/-36.666 χ^2/NDF:17.5/22

All: 75.639+/-26.643 χ^2/NDF: 35.0/41

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 145.744+/-0.061 χ^2/NDF:2346.9/3

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 139.455+/-0.061 χ^2/NDF:4727.9/2

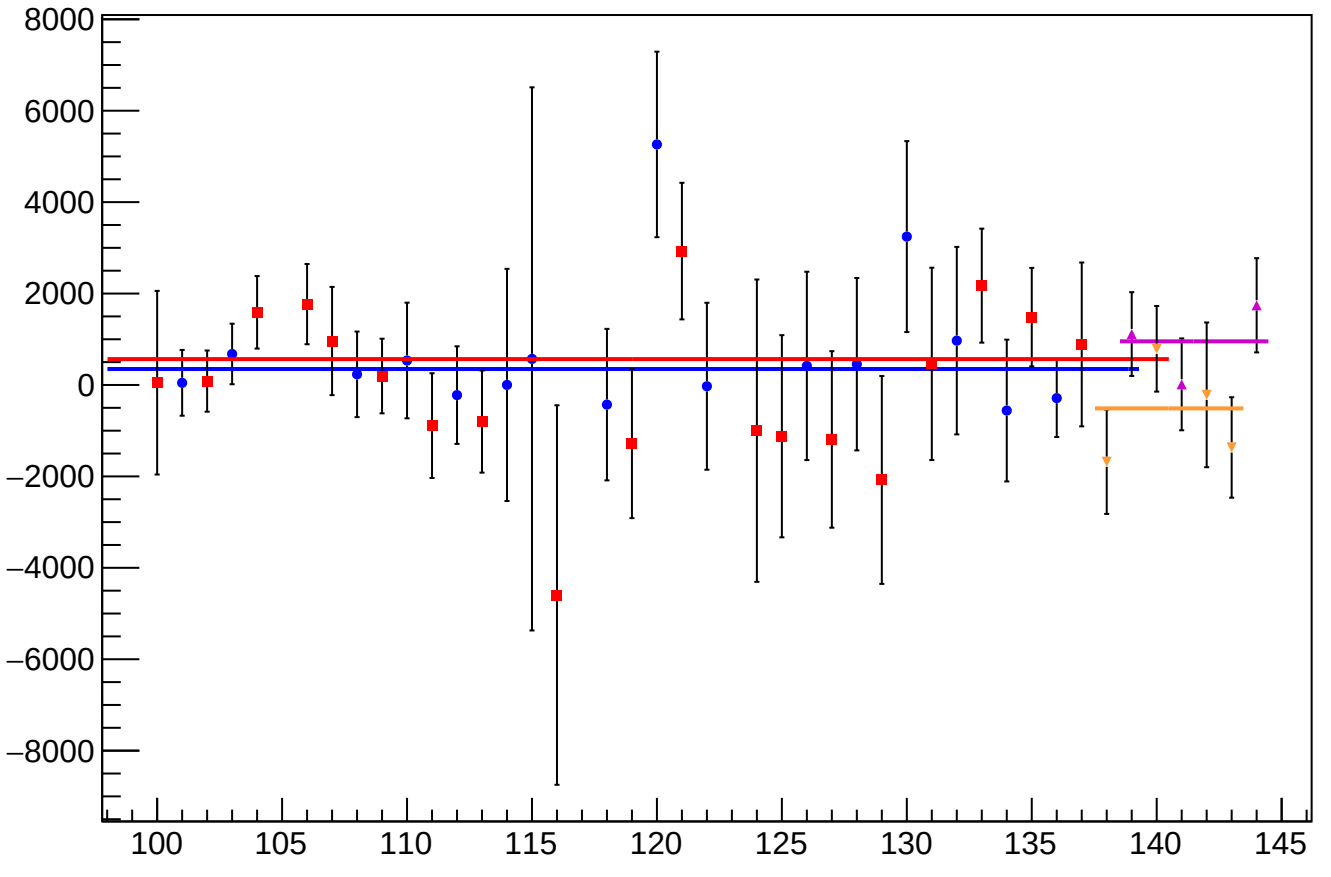
Left: 142.604+/-0.043 χ^2/NDF: 12419.1/6

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 118.244+/-0.027 χ^2/NDF:1029311.6/18

Out: 113.361+/-0.026 χ^2/NDF:1351463.5/22

All: 115.666+/-0.019 χ^2/NDF: 2397517.0/41



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.401+/-564.841 χ^2/NDF:3.6/3

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 954.546+/-565.900 χ^2/NDF:1.5/2

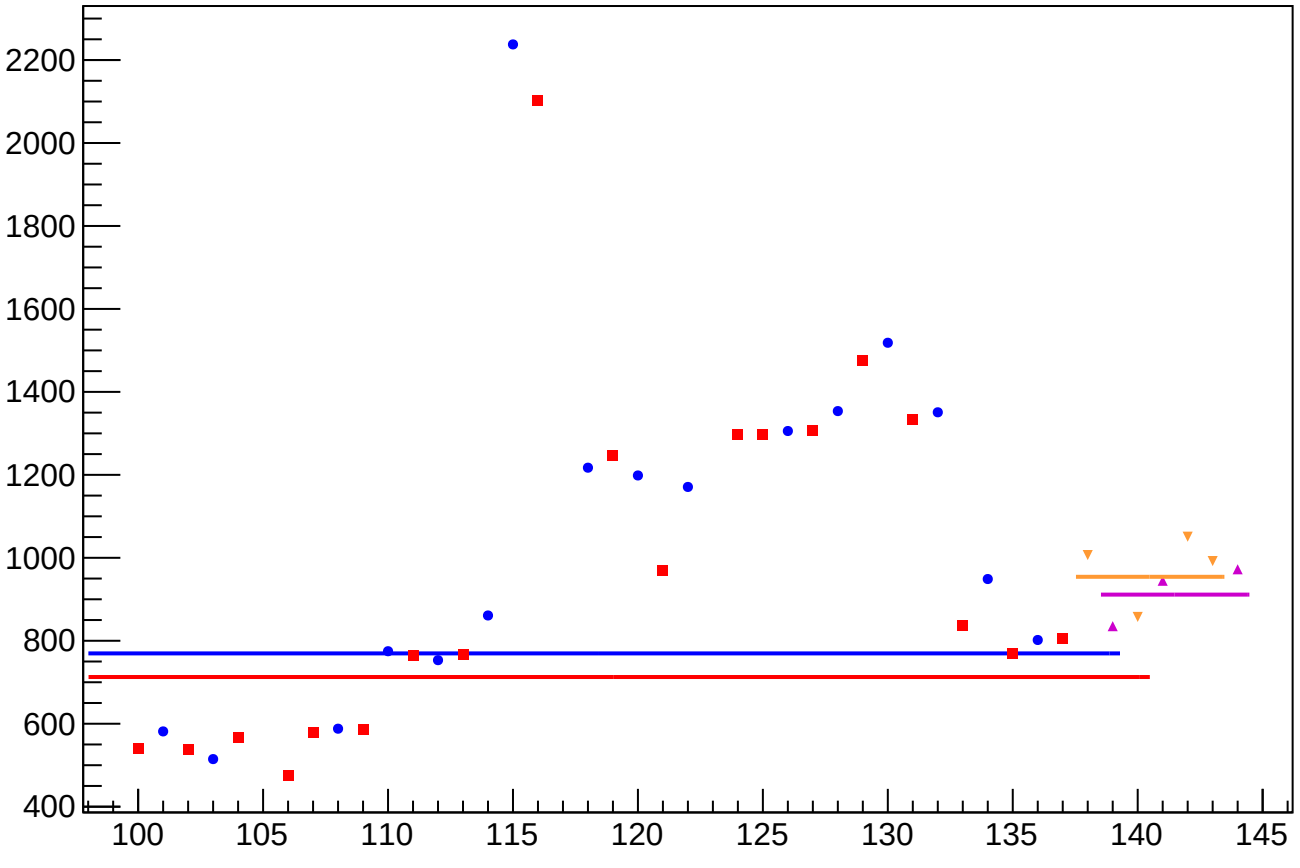
Left: 219.700+/-399.777 χ^2/NDF: 8.5/6

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 485.619+/-268.711 χ^2/NDF:12.2/18

Out: 354.249+/-250.305 χ^2/NDF:24.9/22

All: 415.282+/-183.154 χ^2/NDF: 37.2/41



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 954.221+/-0.399 χ^2/NDF:35389.6/3

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 911.276+/-0.400 χ^2/NDF:23028.5/2

Left: 932.789+/-0.283 χ^2/NDF: 64187.8/6

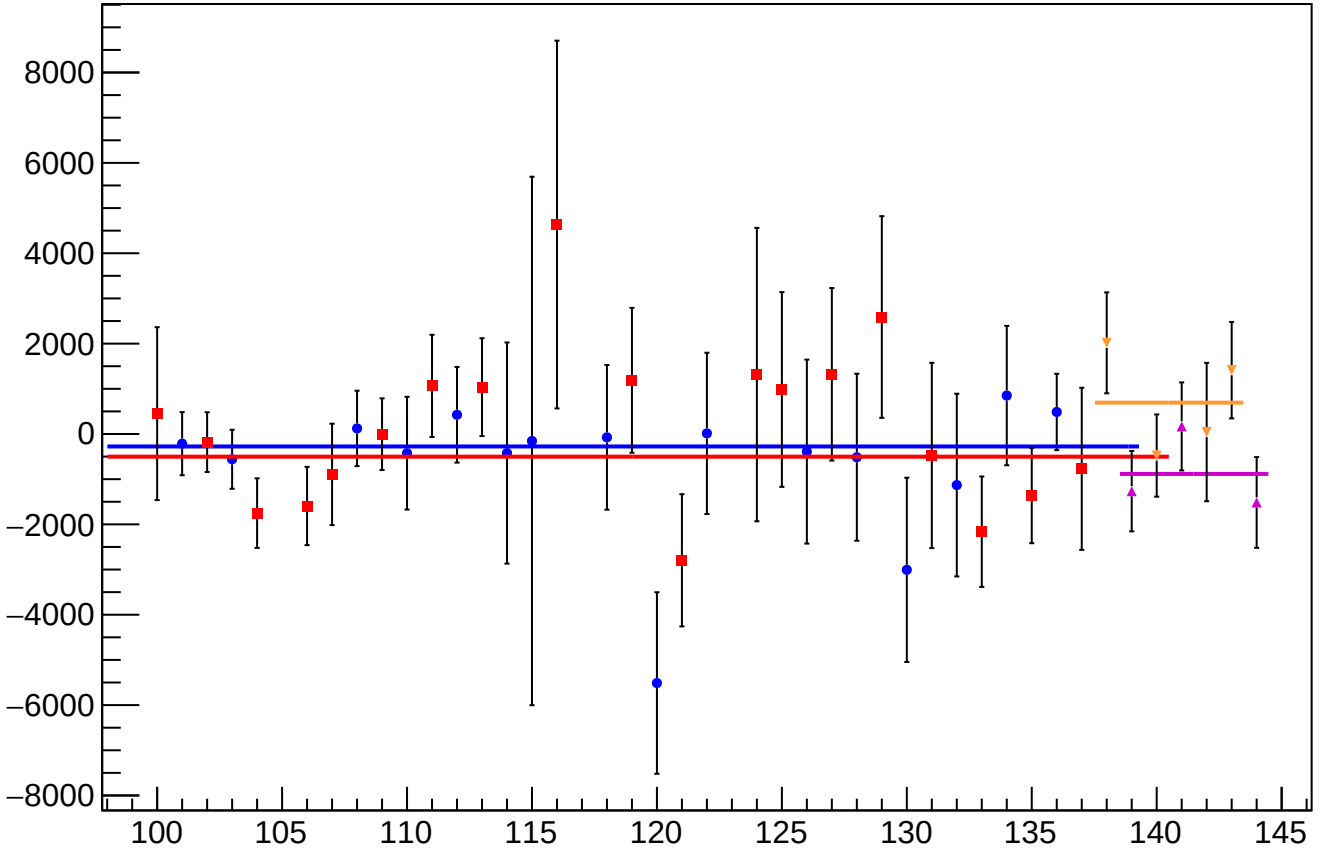
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 801.510+/-0.190 χ^2/NDF:1860114.3/18

Out: 760.070+/-0.177 χ^2/NDF:2096645.3/22

All: 779.323+/-0.130 χ^2/NDF: 3982226.8/41

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 693.967+/-549.409 χ^2/NDF:3.7/3

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -884.383+/-549.630 χ^2/NDF:1.7/2

Left: -94.890+/-388.569 χ^2/NDF: 9.6/6

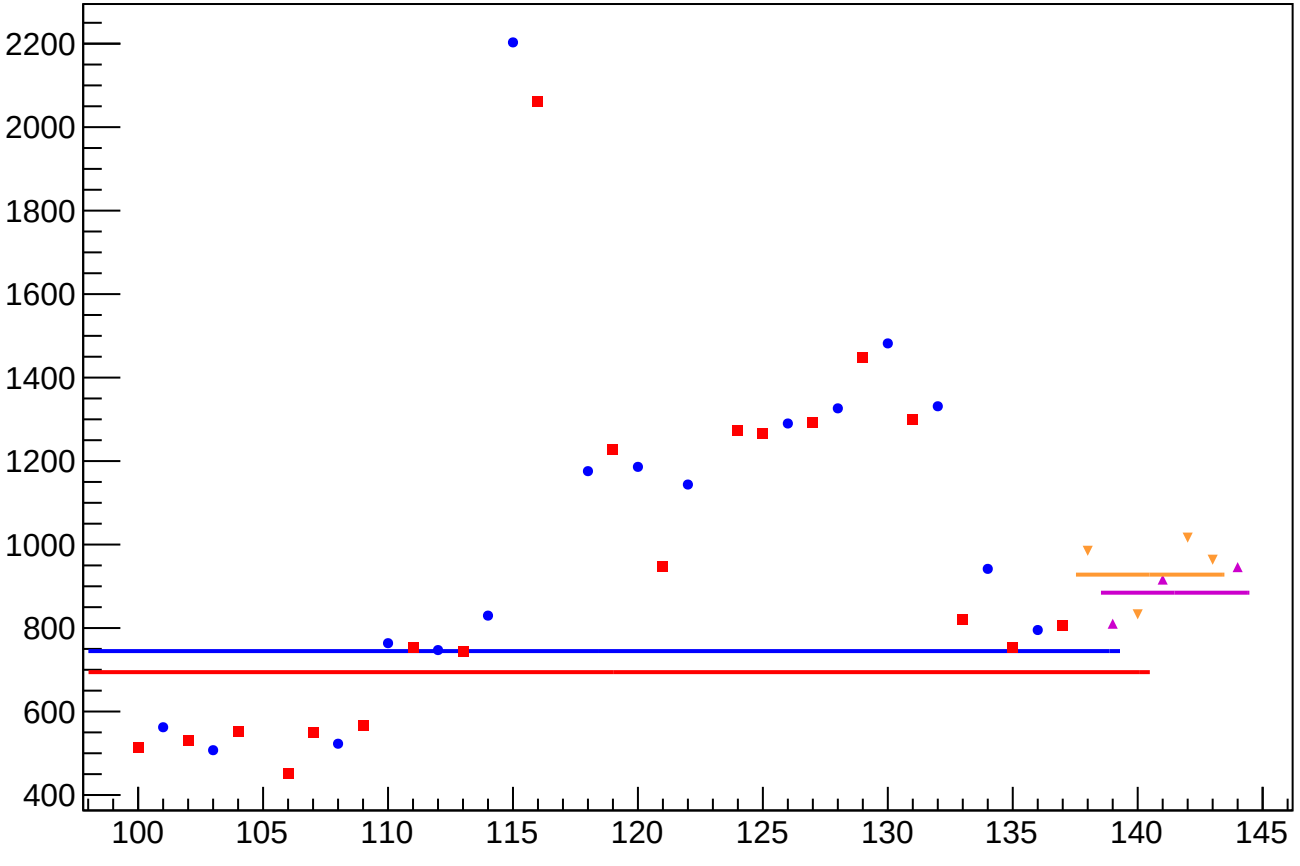
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -413.440+/-261.094 χ^2/NDF:13.8/18

Out: -265.180+/-244.475 χ^2/NDF:28.0/22

All: -334.442+/-178.456 χ^2/NDF: 41.9/41

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 927.973+/-0.388 χ^2/NDF:36006.2/3

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 884.671+/-0.389 χ^2/NDF:23493.2/2

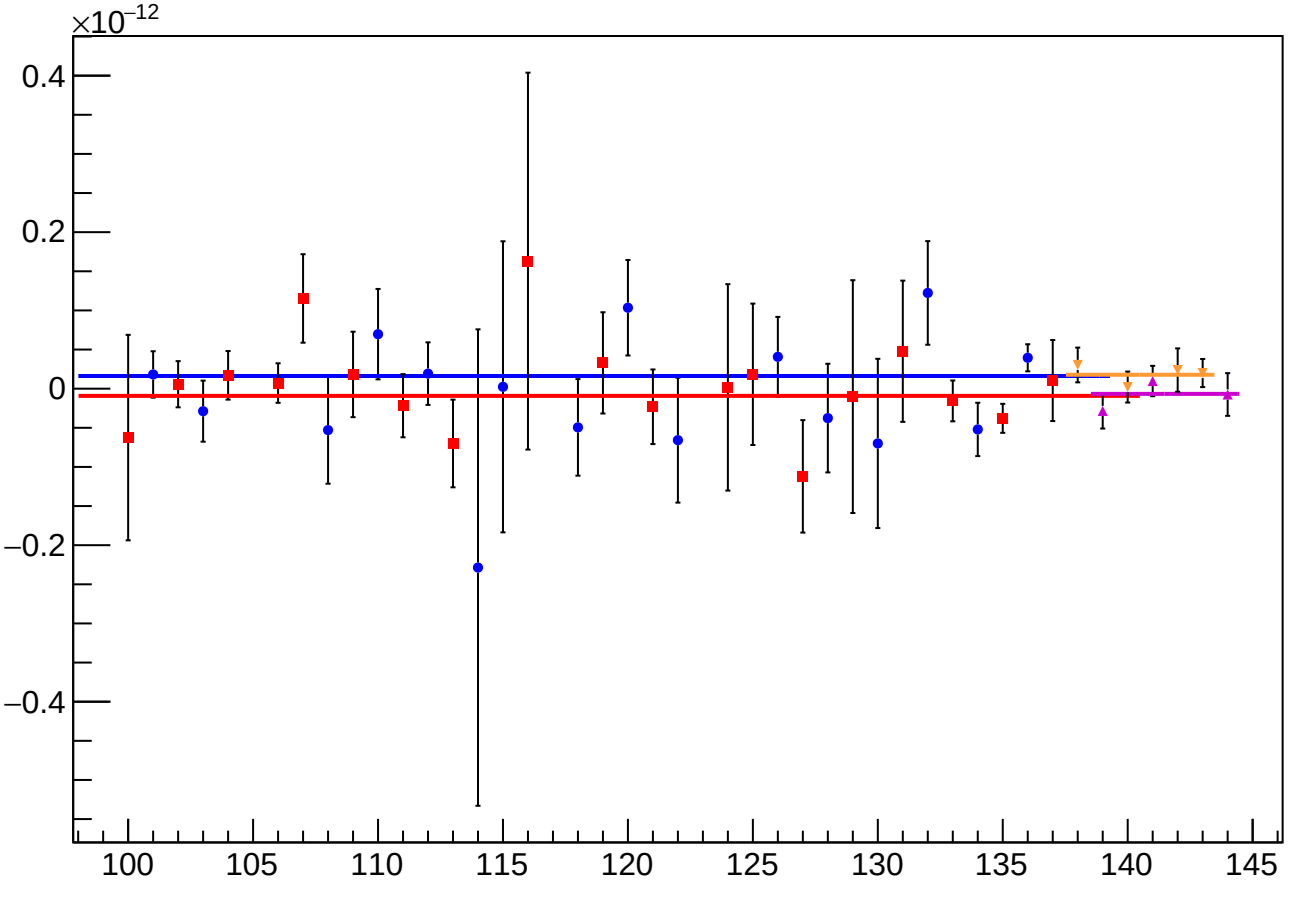
Left: 906.331+/-0.275 χ^2/NDF: 65708.9/6

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 776.350+/-0.185 χ^2/NDF:1946365.7/18

Out: 740.607+/-0.173 χ^2/NDF:2129782.4/22

All: 757.305+/-0.126 χ^2/NDF: 4096119.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/2

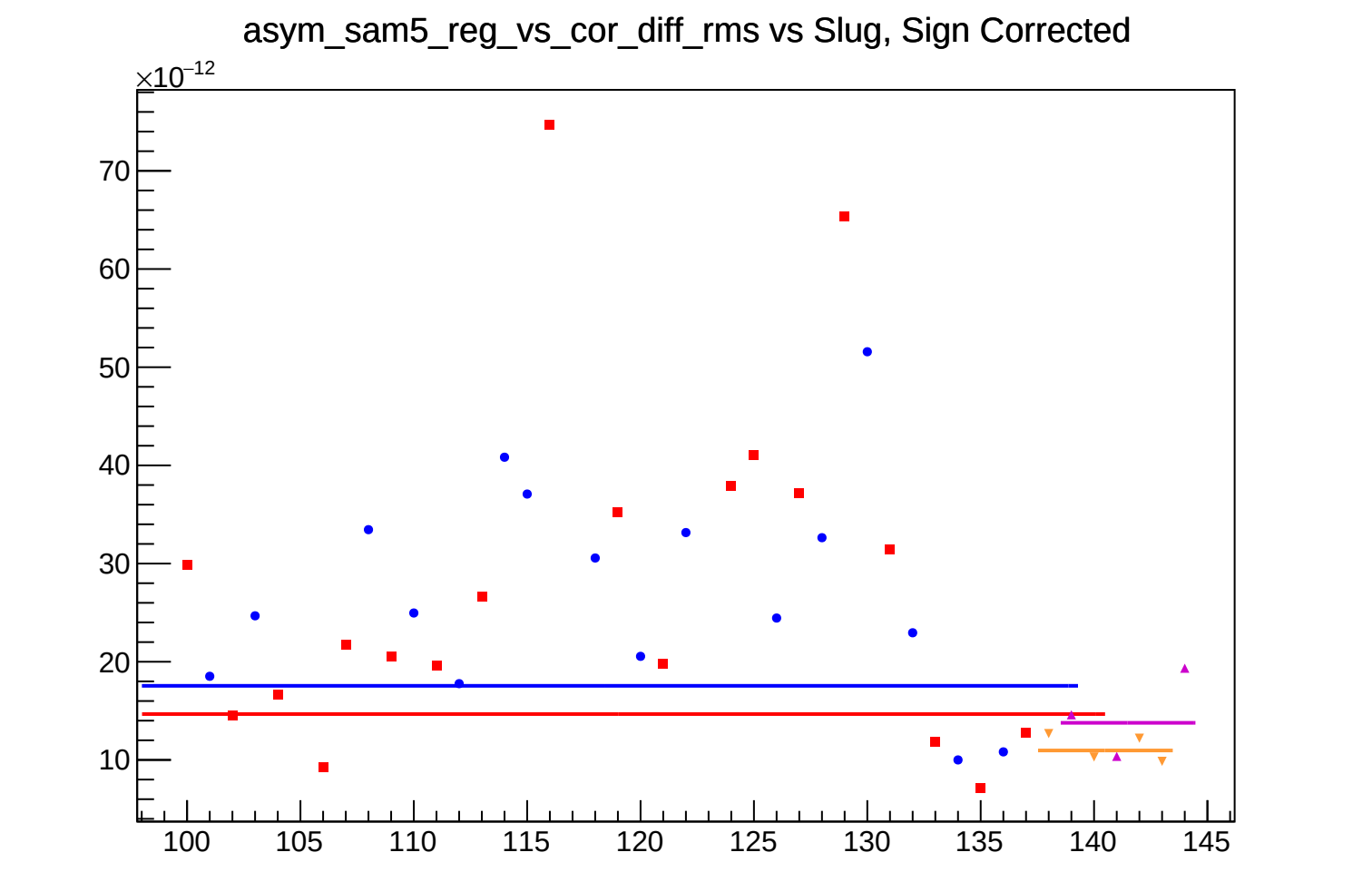
Left: 0.000+/-0.000 χ^2/NDF: 4.8/6

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:21.5/18

Out: 0.000+/-0.000 χ^2/NDF:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25934.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:147808.1/2

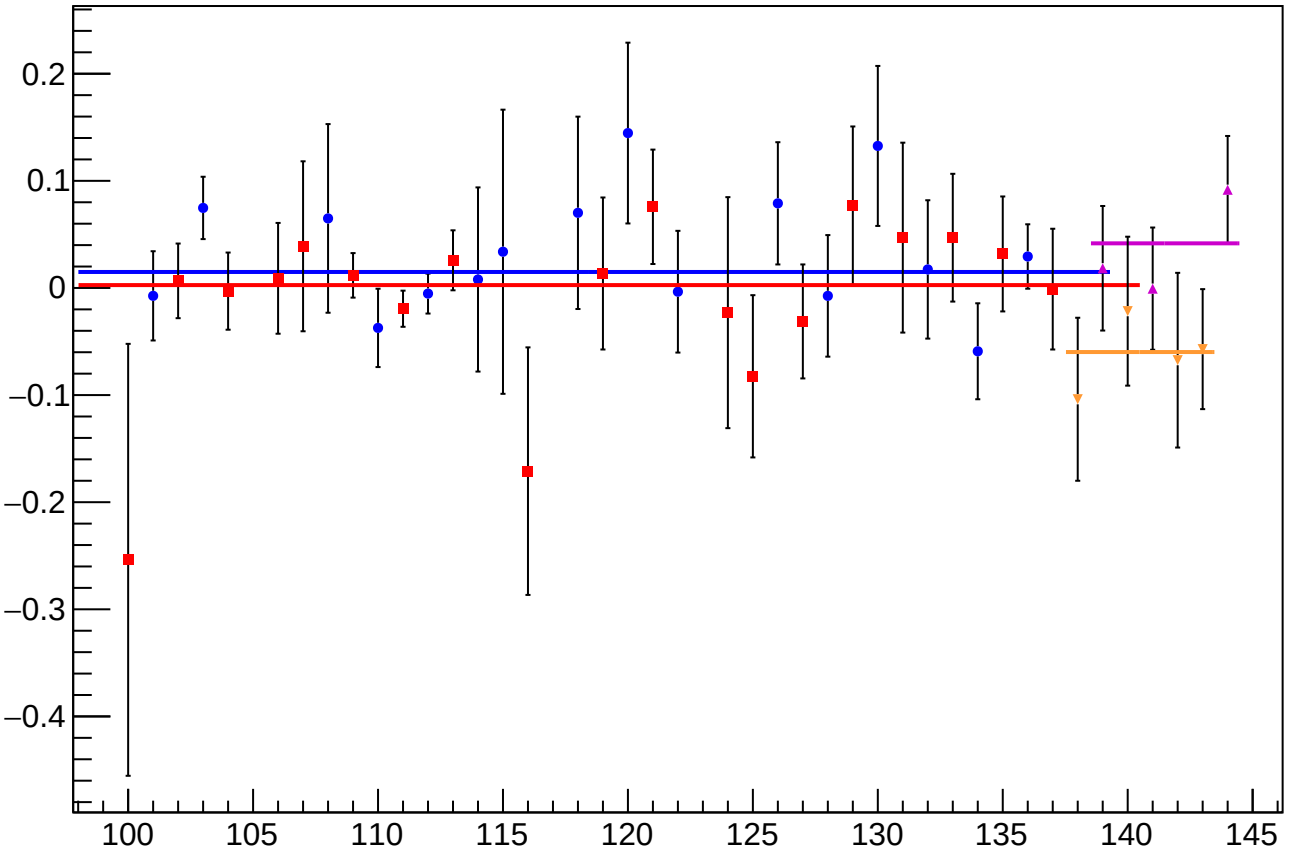
Left: 0.000+/-0.000 χ^2/NDF: 230591.0/6

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:1405234.0/18

Out: 0.000+/-0.000 χ^2/NDF:1905761.9/22

All: 0.000+/-0.000 χ^2/NDF: 3463374.2/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.032 χ^2/NDF:1.7/2

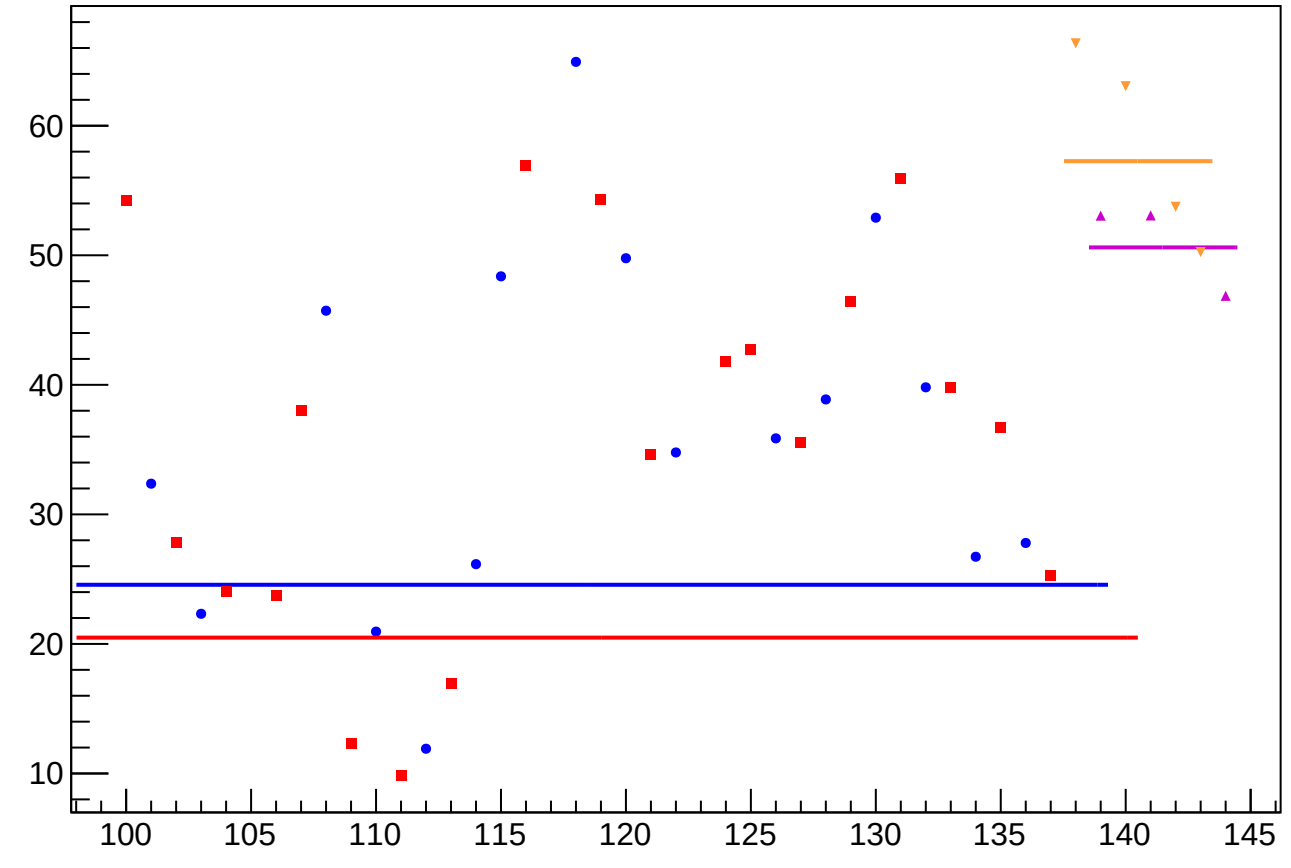
Left: -0.005+/-0.023 χ^2/NDF: 7.1/6

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.1/18

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.007+/-0.007 χ^2/NDF: 38.3/41



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77536.1/3

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.608+/-0.022 χ^2/NDF:18386.5/2

Left: 53.665+/-0.016 χ^2/NDF: 136627.1/6

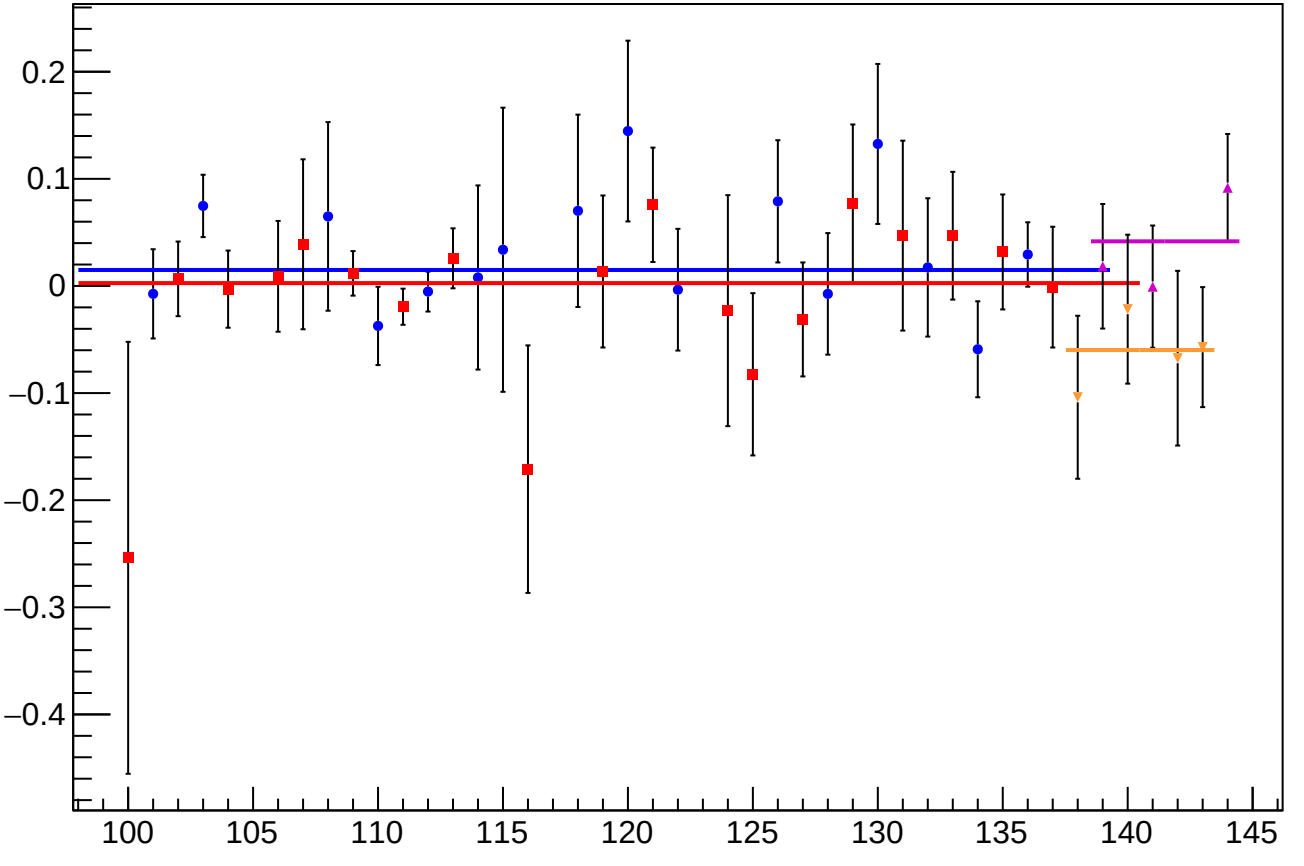
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.191+/-0.007 χ^2/NDF:3722623.1/18

Out: 22.966+/-0.006 χ^2/NDF:5802895.0/22

All: 24.827+/-0.005 χ^2/NDF: 9723677.6/41

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.032 χ^2/NDF:1.7/2

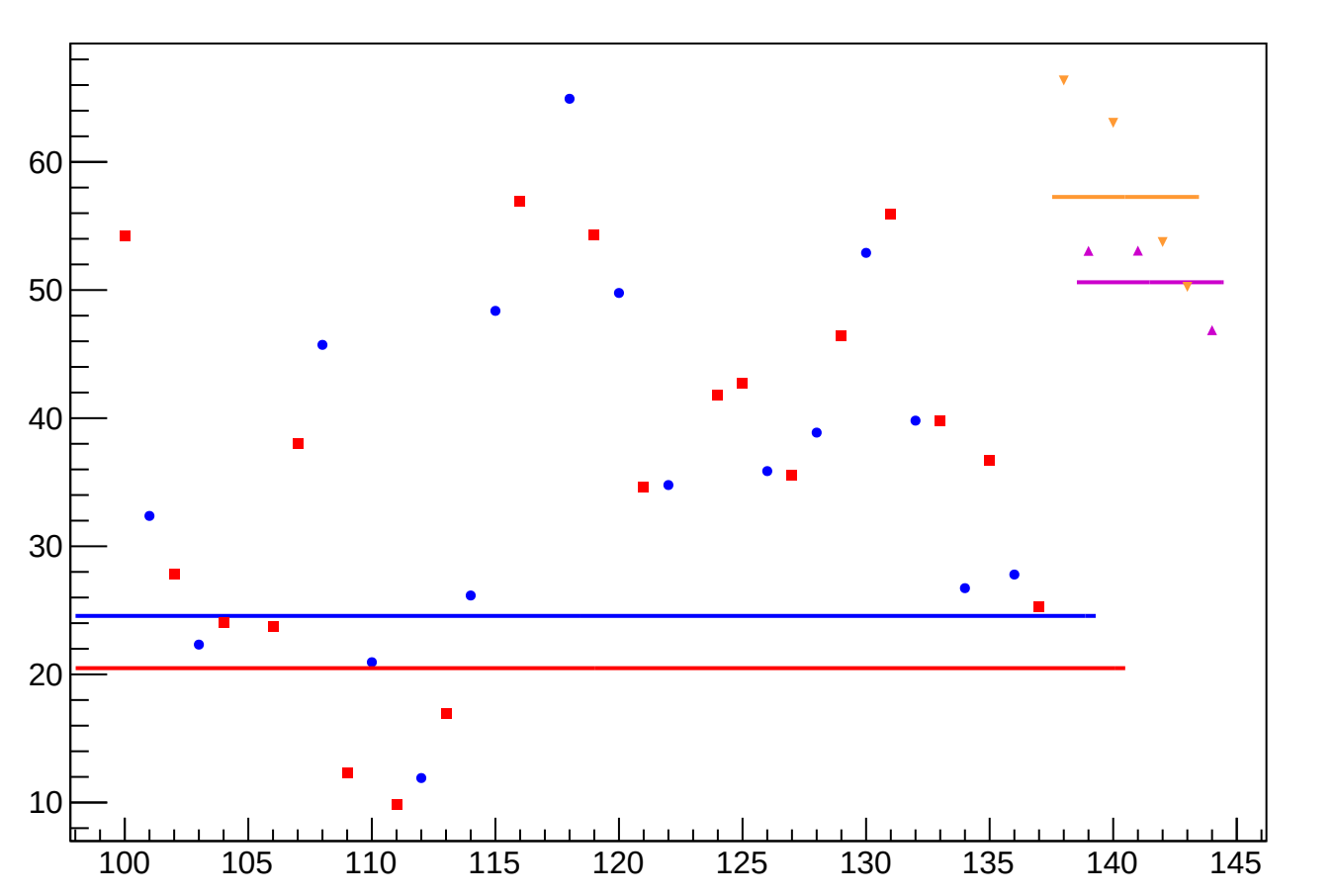
Left: -0.005+/-0.023 χ^2/NDF: 7.1/6

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.1/18

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.007+/-0.007 χ^2/NDF: 38.3/41



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77536.1/3

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.608+/-0.022 χ^2/NDF:18386.5/2

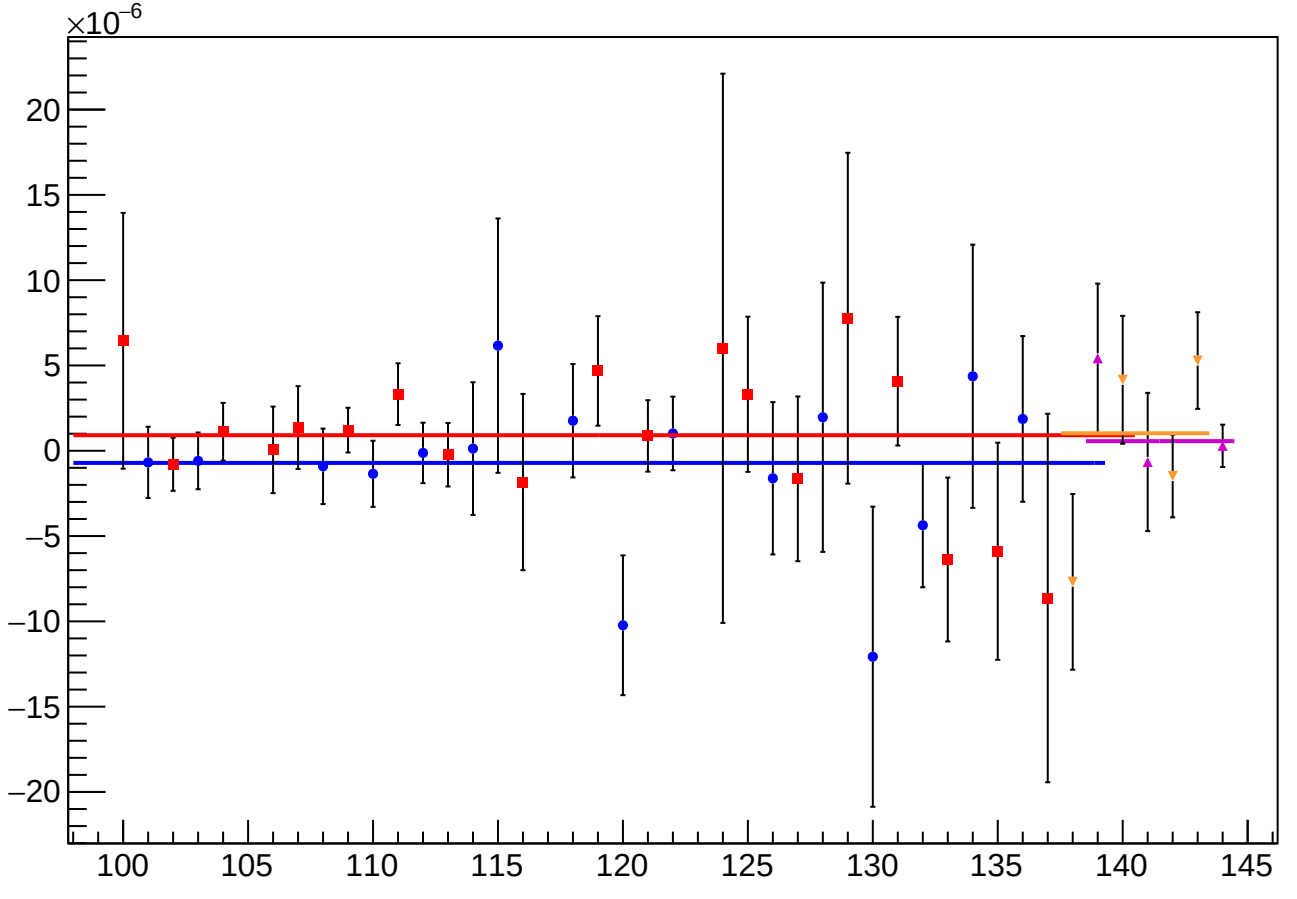
Left: 53.665+/-0.016 χ^2/NDF: 136627.1/6

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.191+/-0.007 χ^2/NDF:3722623.1/18

Out: 22.966+/-0.006 χ^2/NDF:5802895.0/22

All: 24.827+/-0.005 χ^2/NDF: 9723677.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

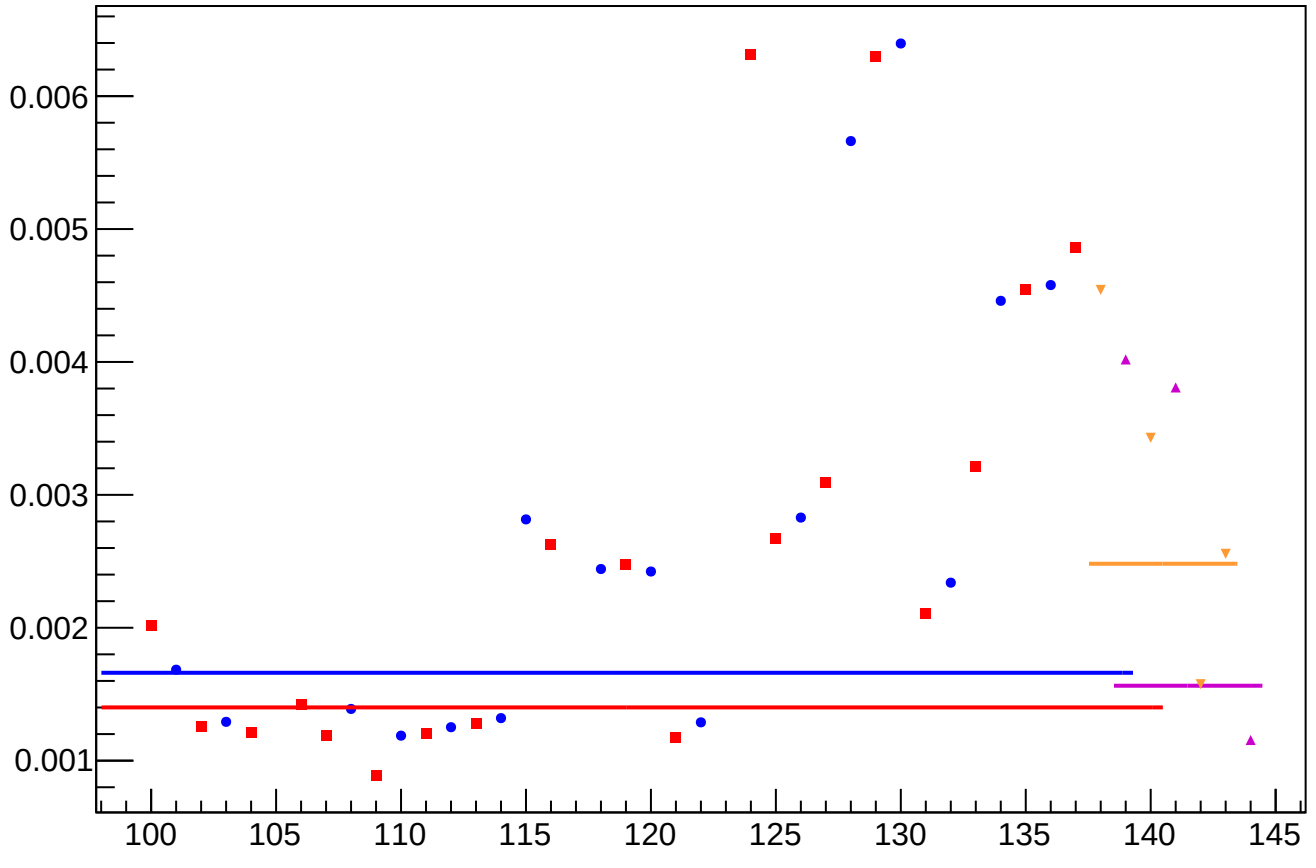
Left: 0.000+/-0.000 χ^2/NDF: 8.3/6

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:13.5/18

Out: 0.000+/-0.000 χ^2/NDF:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 34.8/41



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:729410.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1459079.2/2

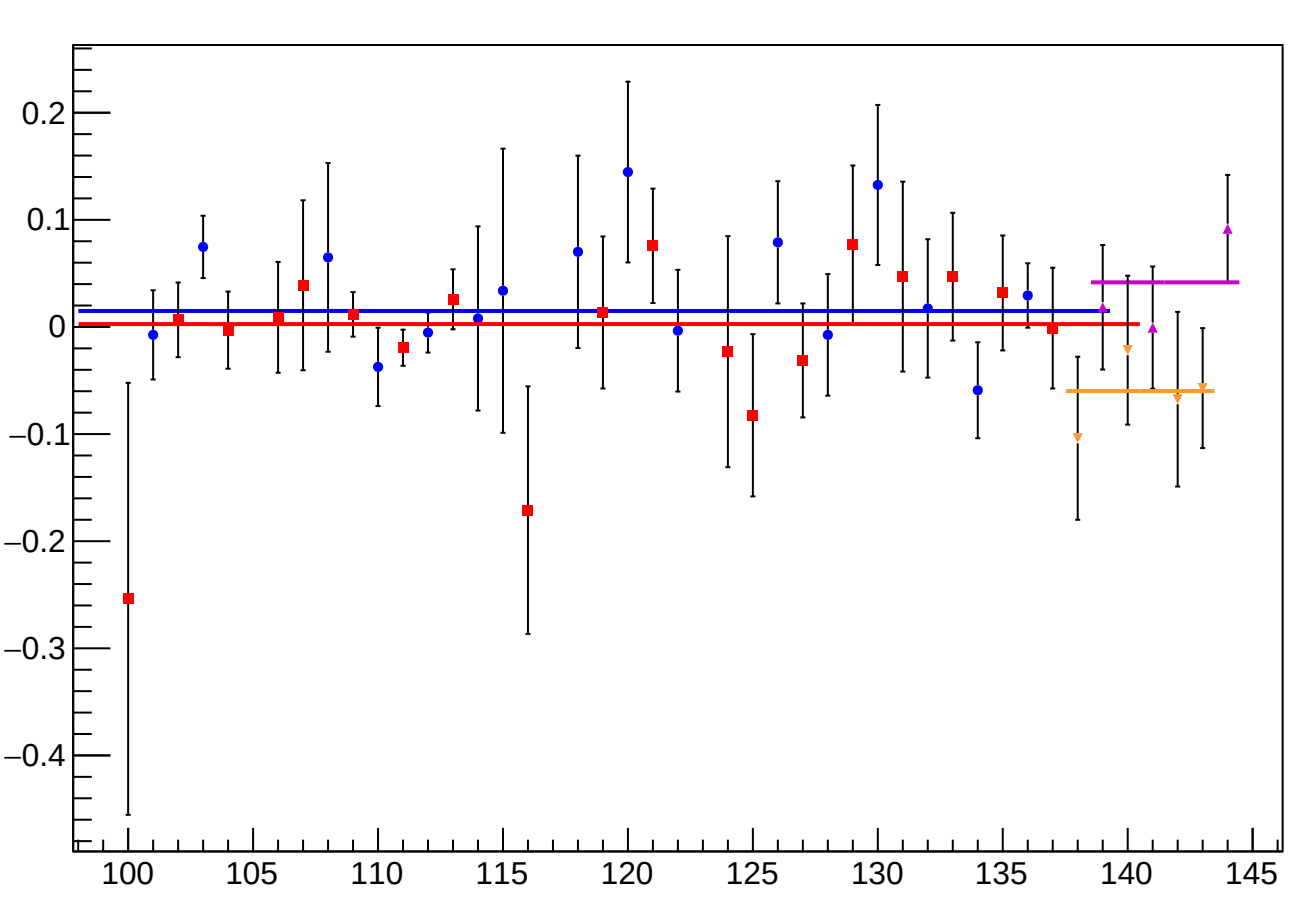
Left: 0.002+/-0.000 χ^2/NDF: 2633213.9/6

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:4411632.8/18

Out: 0.002+/-0.000 χ^2/NDF:4473677.9/22

All: 0.002+/-0.000 χ^2/NDF: 8916755.2/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.032 χ^2/NDF:1.7/2

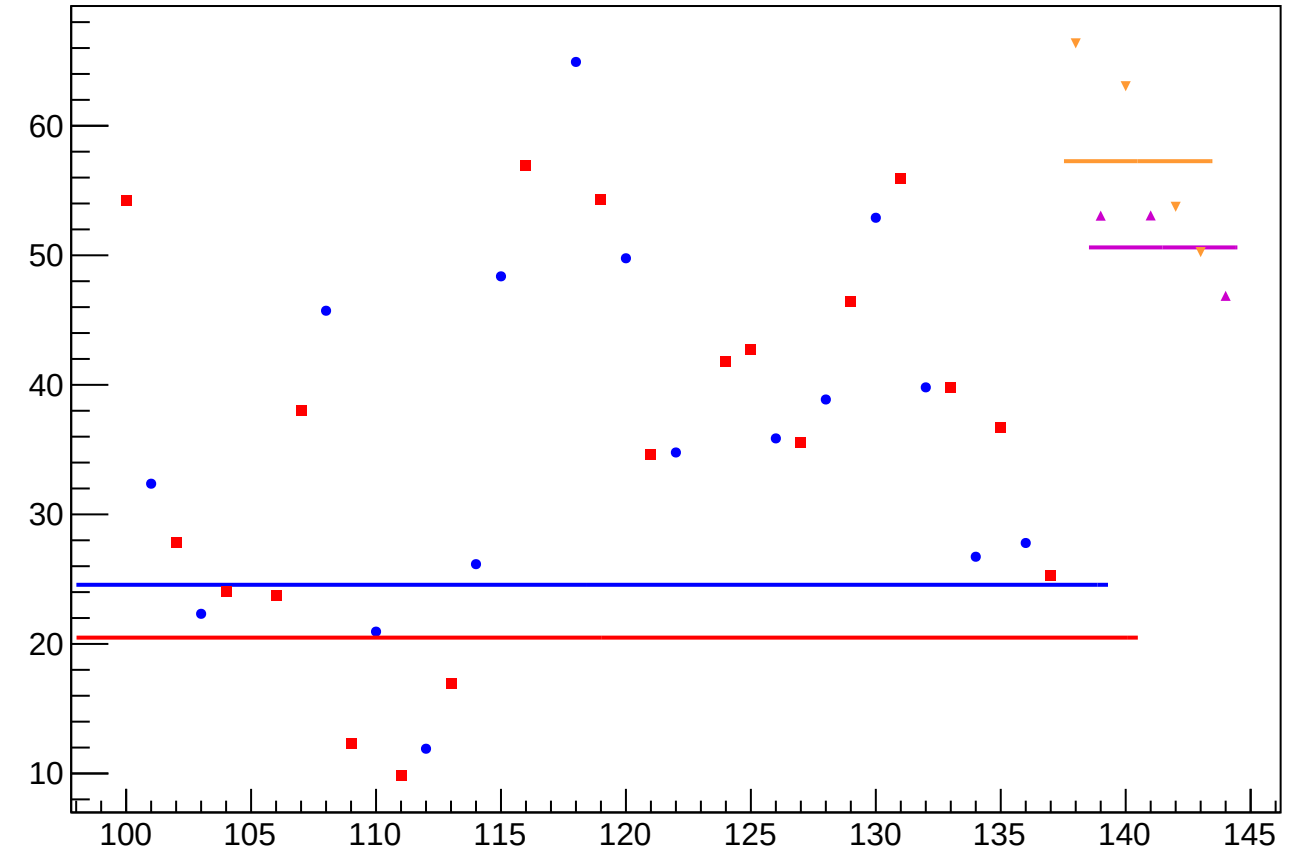
Left: -0.005+/-0.023 χ^2/NDF: 7.1/6

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.1/18

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.007+/-0.007 χ^2/NDF: 38.3/41



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.609+/-0.022 χ^2/NDF:18399.0/2

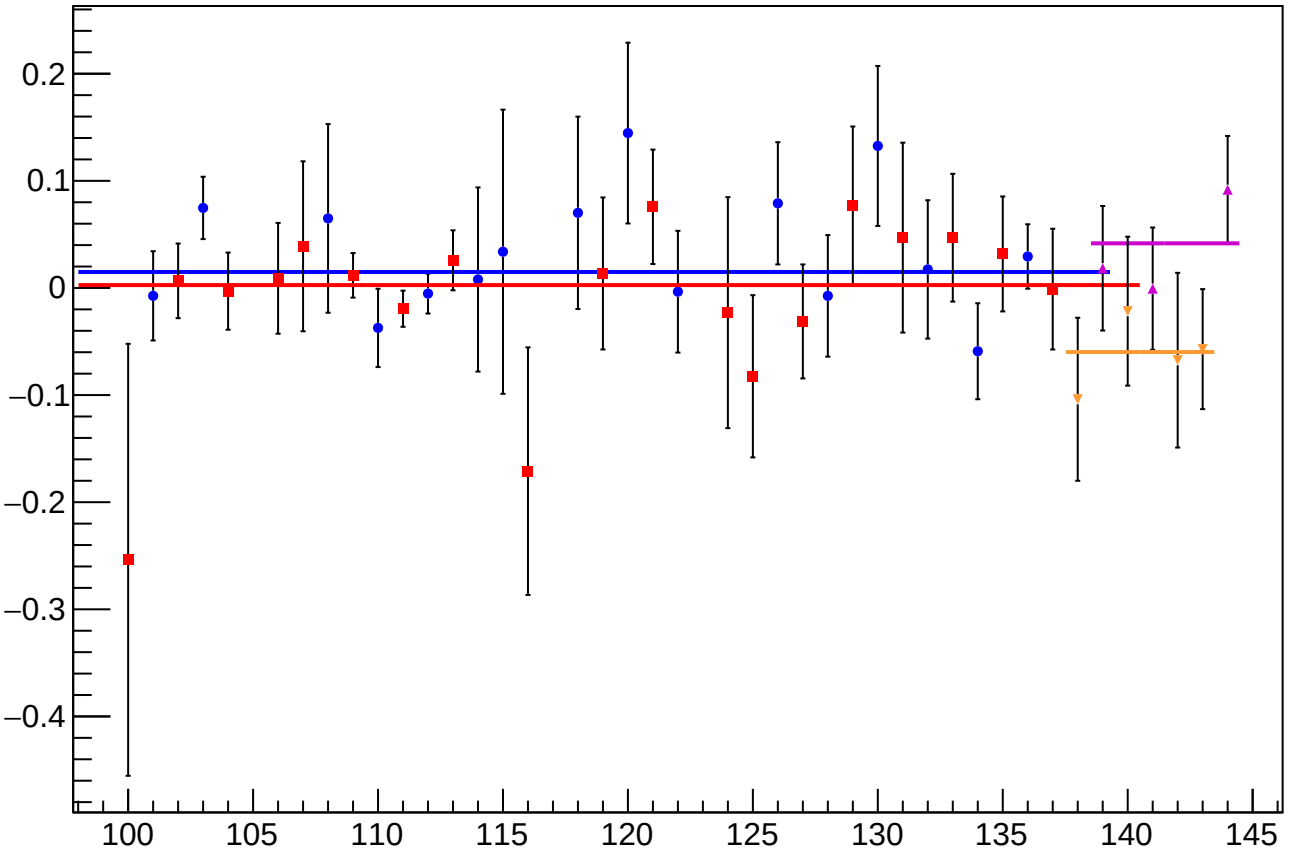
Left: 53.665+/-0.016 χ^2/NDF: 136662.9/6

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.190+/-0.007 χ^2/NDF:3722657.6/18

Out: 22.965+/-0.006 χ^2/NDF:5802953.2/22

All: 24.827+/-0.005 χ^2/NDF: 9723783.5/41



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.032 χ^2/NDF:1.7/2

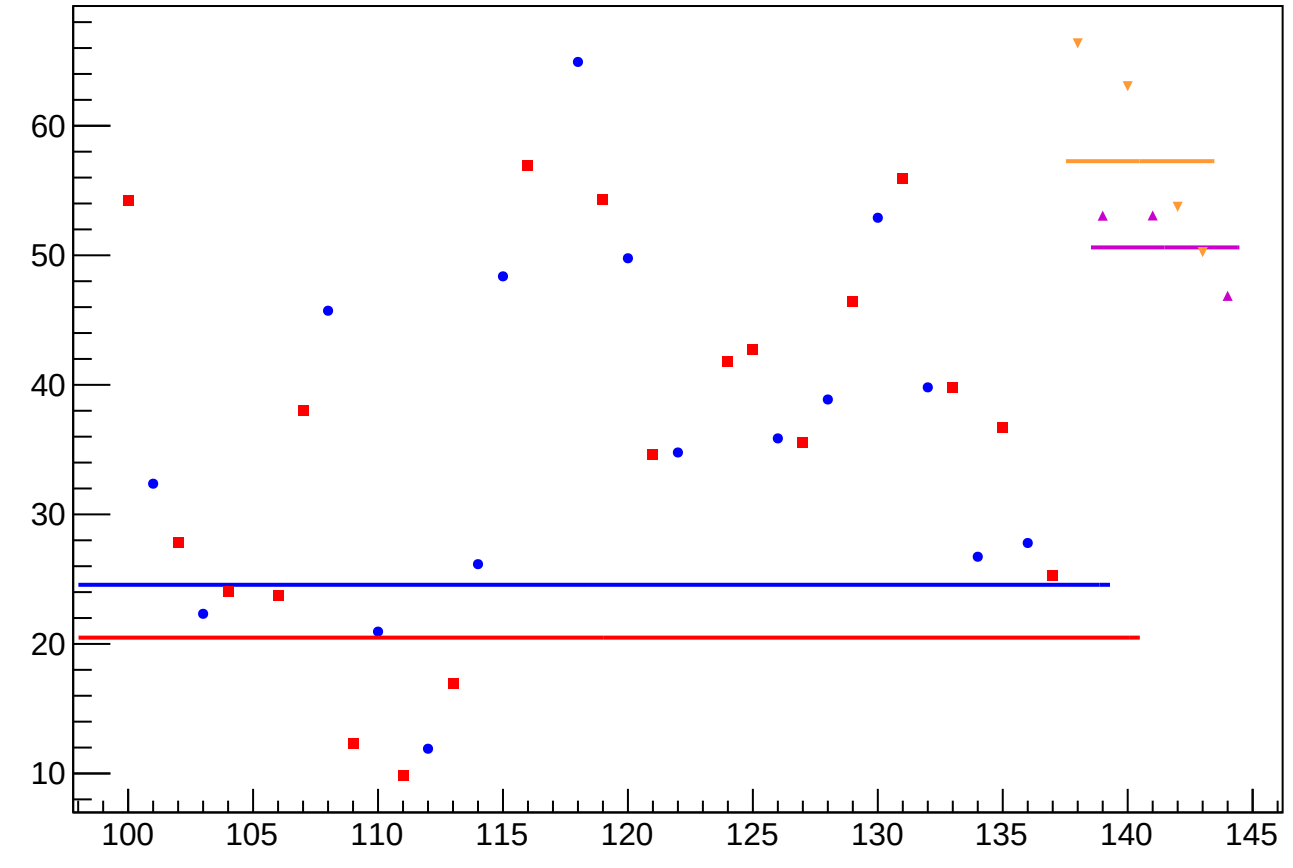
Left: -0.005+/-0.023 χ^2/NDF: 7.1/6

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.1/18

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.007+/-0.007 χ^2/NDF: 38.3/41



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.609+/-0.022 χ^2/NDF:18399.0/2

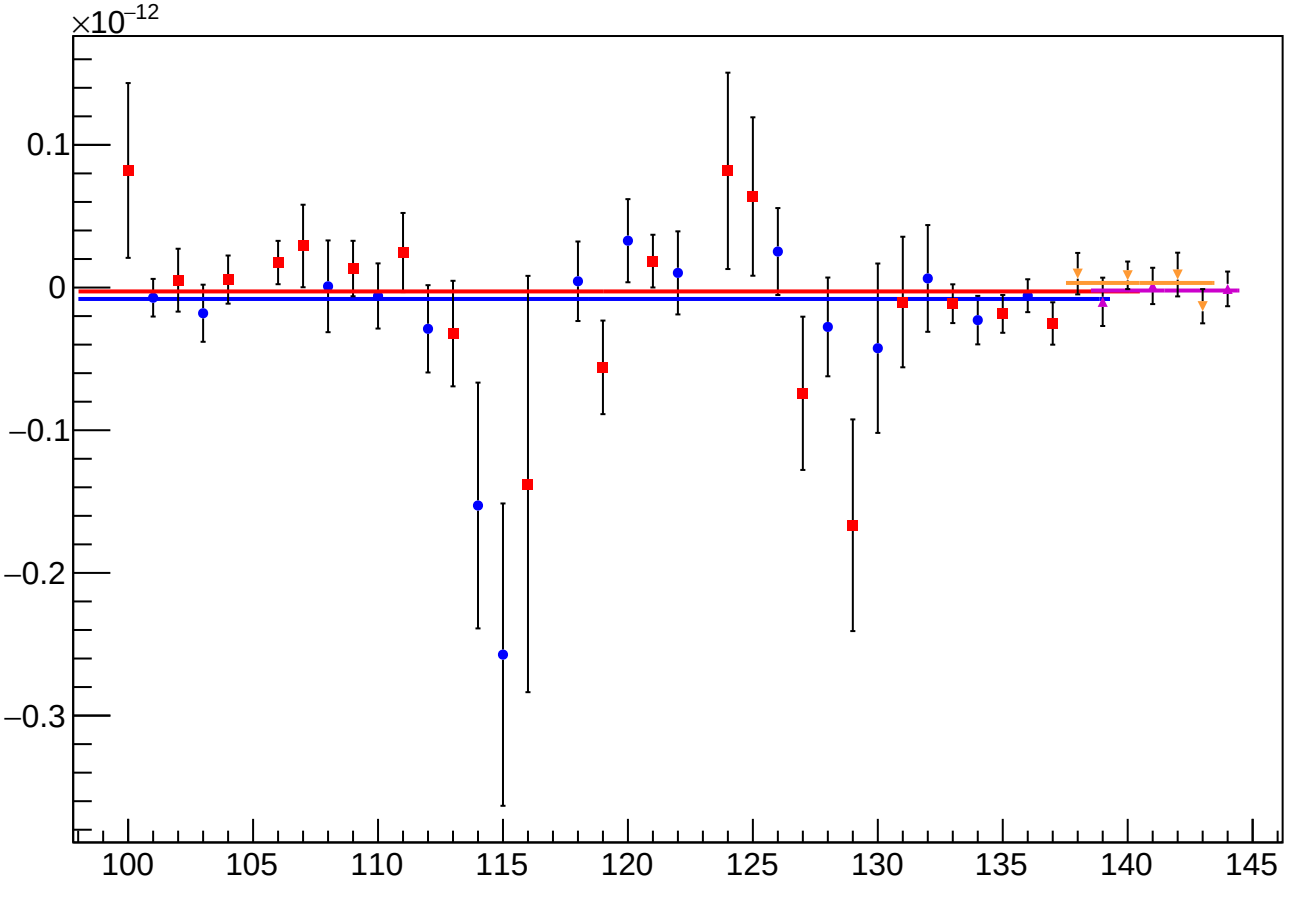
Left: 53.665+/-0.016 χ^2/NDF: 136662.9/6

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.190+/-0.007 χ^2/NDF:3722657.6/18

Out: 22.965+/-0.006 χ^2/NDF:5802953.2/22

All: 24.827+/-0.005 χ^2/NDF: 9723783.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

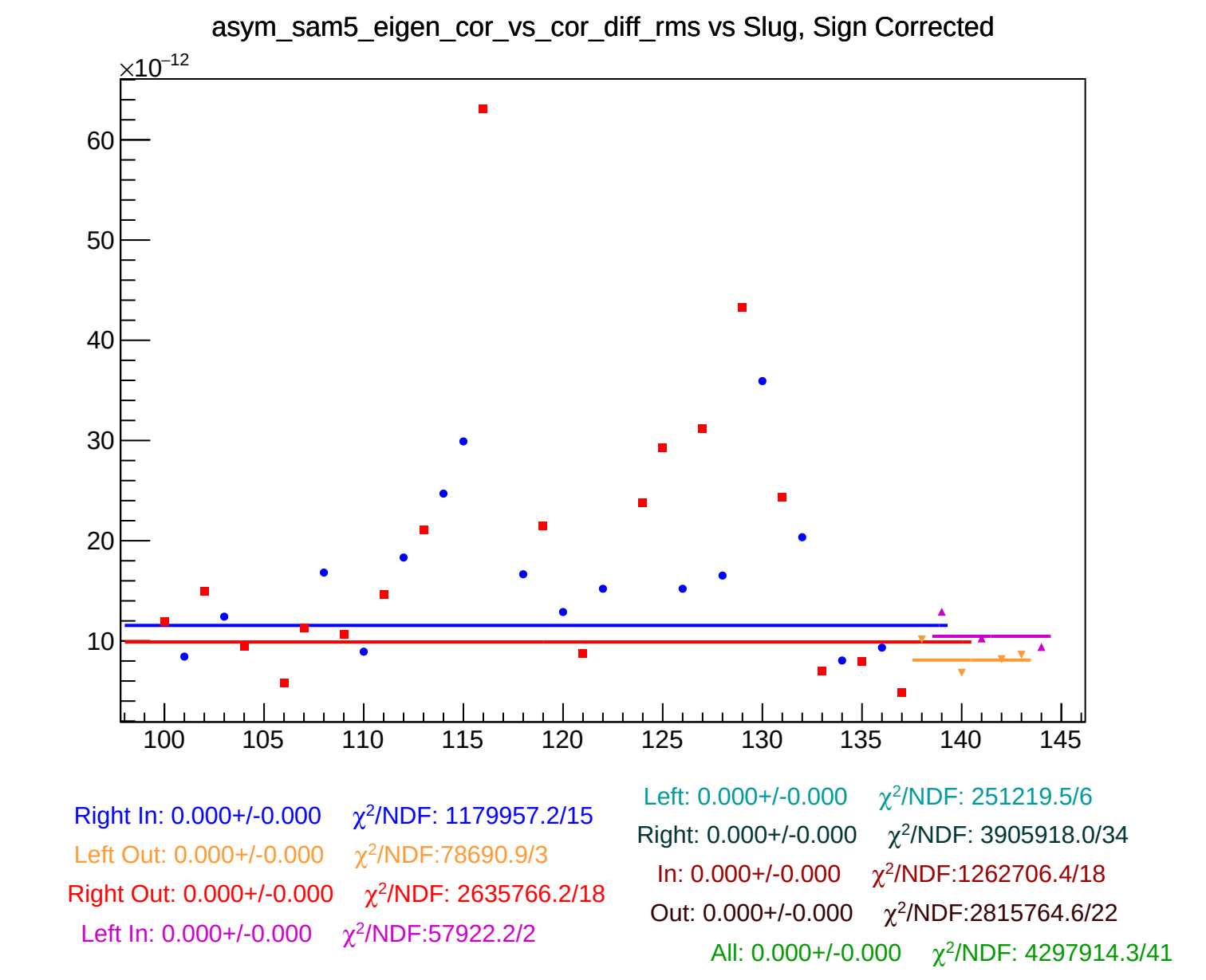
Left: 0.000+/-0.000 χ^2/NDF: 3.1/6

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

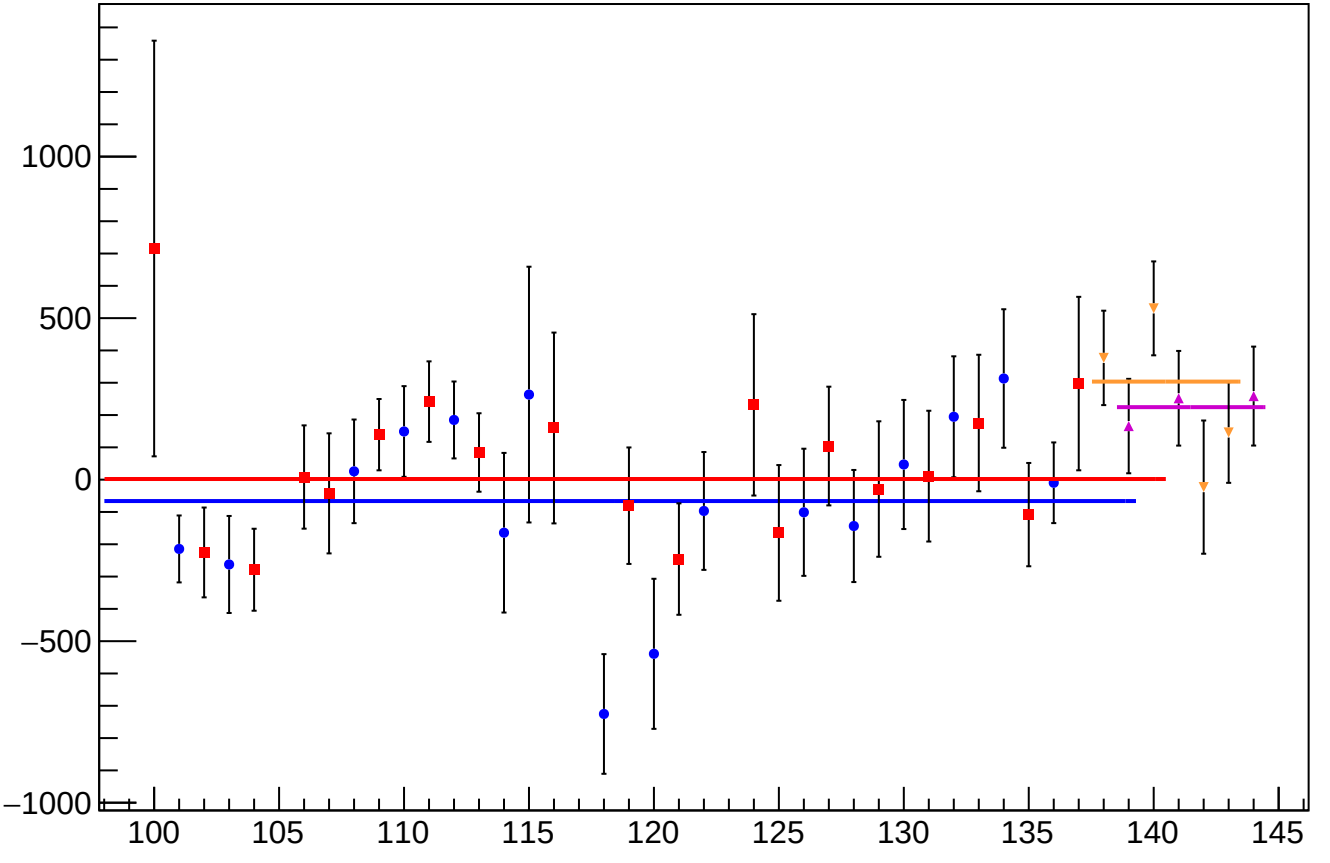
In: -0.000+/-0.000 χ^2/NDF:15.2/18

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: -0.000+/-0.000 χ^2/NDF: 45.2/41


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:78690.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:57922.2/2
Left: 0.000+/-0.000 χ²/NDF: 251219.5/6
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1262706.4/18
Out: 0.000+/-0.000 χ²/NDF:2815764.6/22
All: 0.000+/-0.000 χ²/NDF: 4297914.3/41

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.569+/-79.349 χ^2/NDF:6.2/3

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 224.471+/-85.748 χ^2/NDF:0.2/2

Left: 267.081+/-58.239 χ^2/NDF: 6.9/6

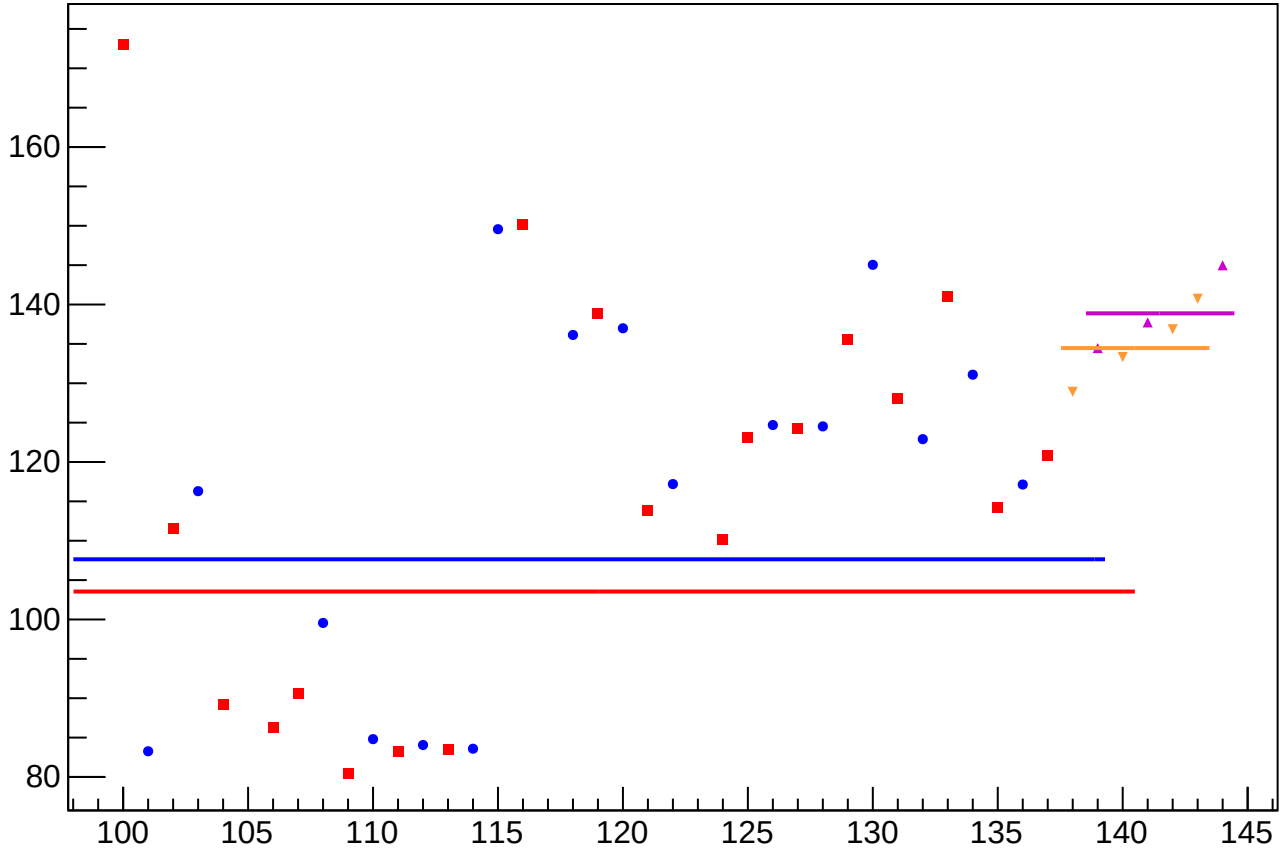
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: -12.271+/-36.943 χ^2/NDF:44.0/18

Out: 60.366+/-34.904 χ^2/NDF:39.0/22

All: 26.107+/-25.371 χ^2/NDF: 85.0/41

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

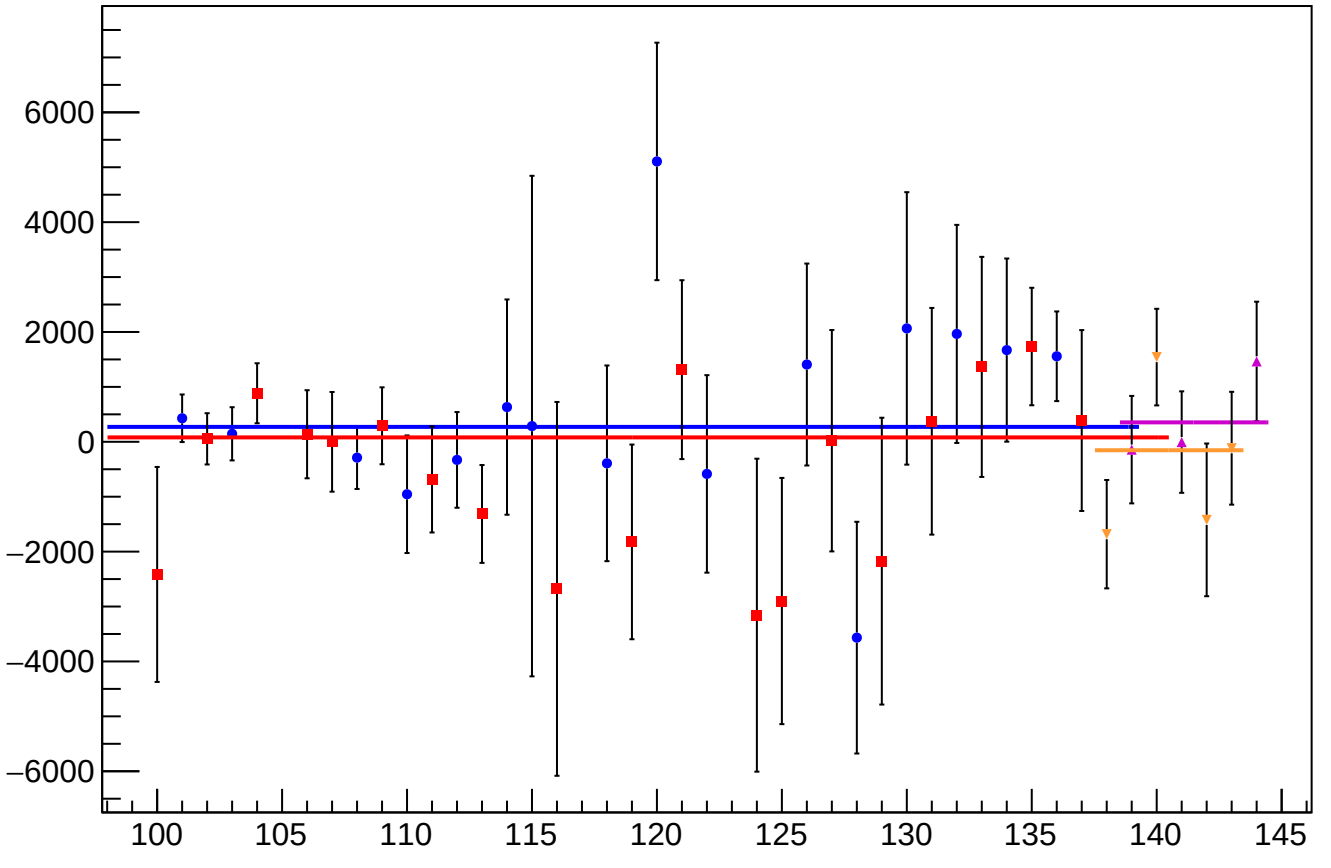
Left: 136.503+/-0.041 χ^2/NDF: 14487.4/6

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 113.442+/-0.026 χ^2/NDF:754088.5/18

Out: 109.532+/-0.025 χ^2/NDF:868724.7/22

All: 111.376+/-0.018 χ^2/NDF: 1634652.2/41



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -153.559+/-514.132 χ^2/NDF:6.9/3

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 353.807+/-571.494 χ^2/NDF:1.5/2

Left: 73.391+/-382.222 χ^2/NDF: 8.8/6

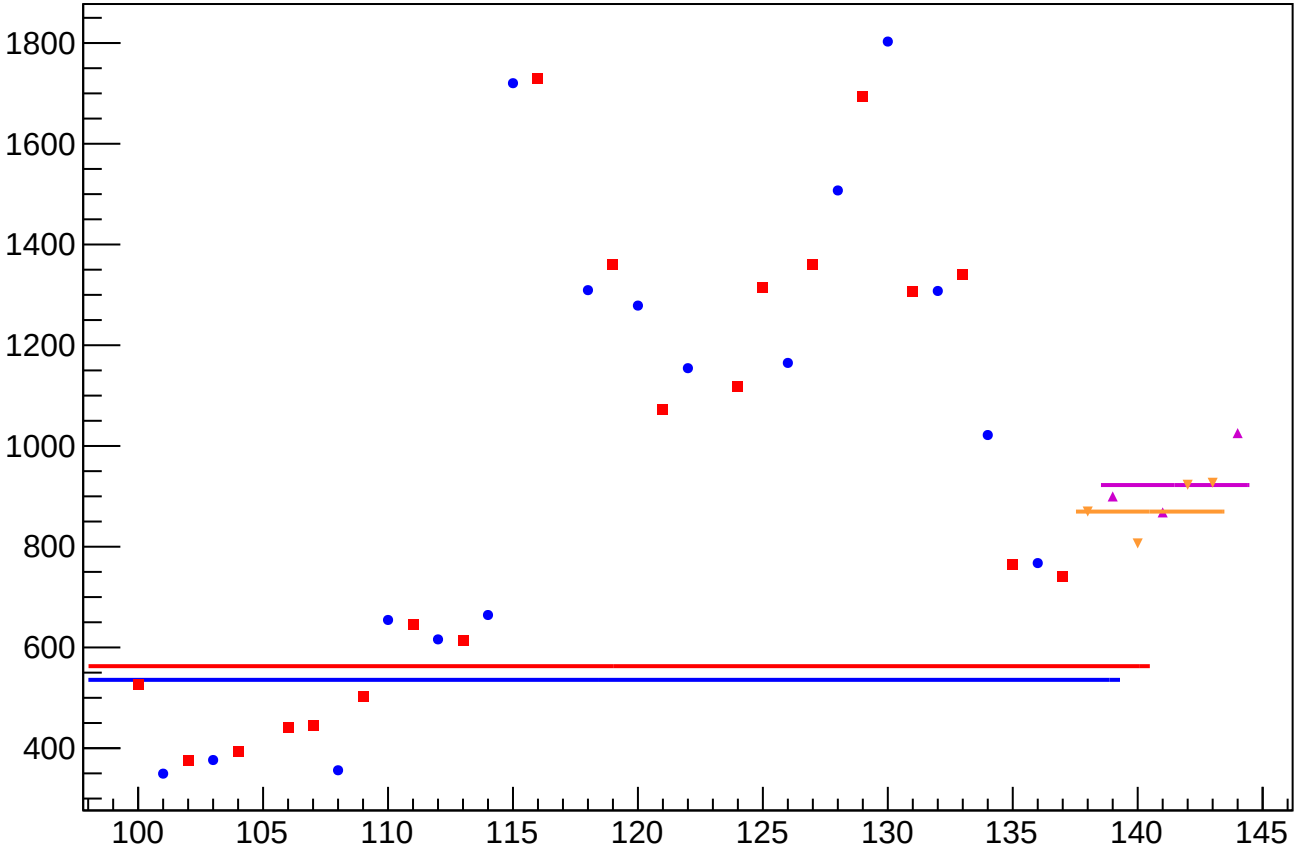
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 283.034+/-213.897 χ^2/NDF:17.9/18

Out: 40.522+/-211.584 χ^2/NDF:23.1/22

All: 160.460+/-150.424 χ^2/NDF: 41.7/41

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.7/3

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 922.437+/-0.404 χ^2/NDF:25967.3/2

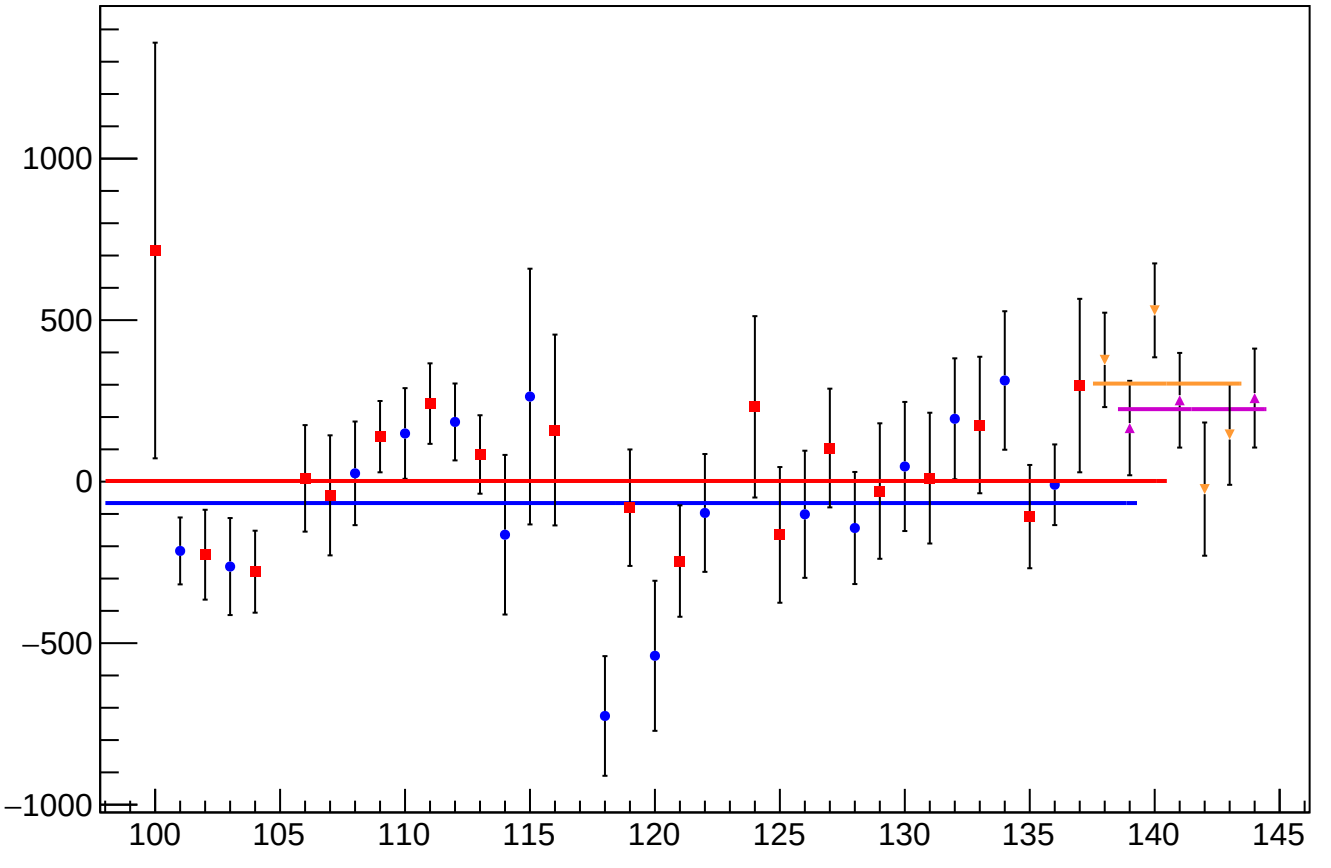
Left: 893.322+/-0.270 χ^2/NDF: 54819.8/6

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 589.861+/-0.151 χ^2/NDF:4446004.9/18

Out: 614.824+/-0.150 χ^2/NDF:3722496.5/22

All: 602.478+/-0.106 χ^2/NDF: 8182270.0/41



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 224.466+/-85.748 χ^2/NDF:0.2/2

Left: 267.079+/-58.239 χ^2/NDF: 6.9/6

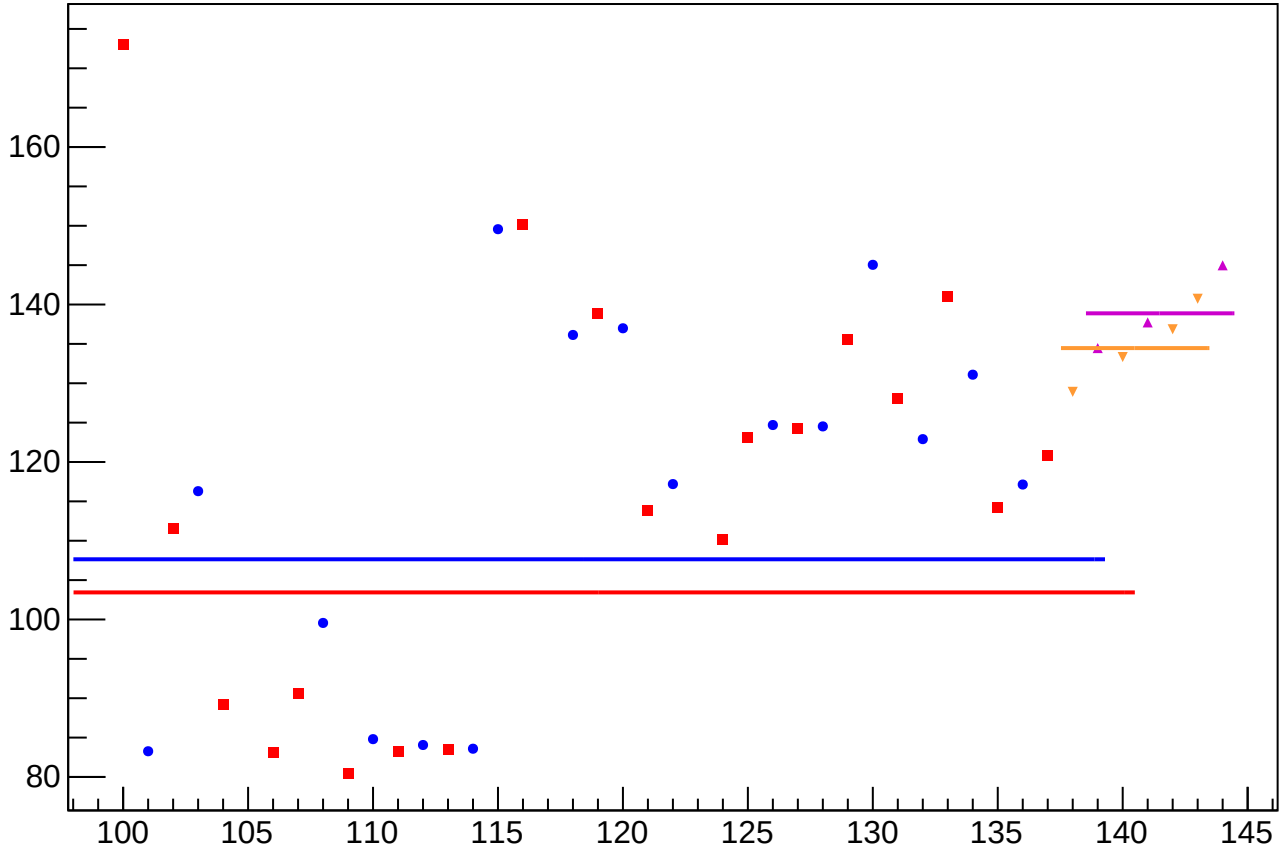
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -12.293+/-36.943 χ^2/NDF:44.0/18

Out: 60.572+/-34.955 χ^2/NDF:39.0/22

All: 26.153+/-25.391 χ^2/NDF: 85.0/41

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

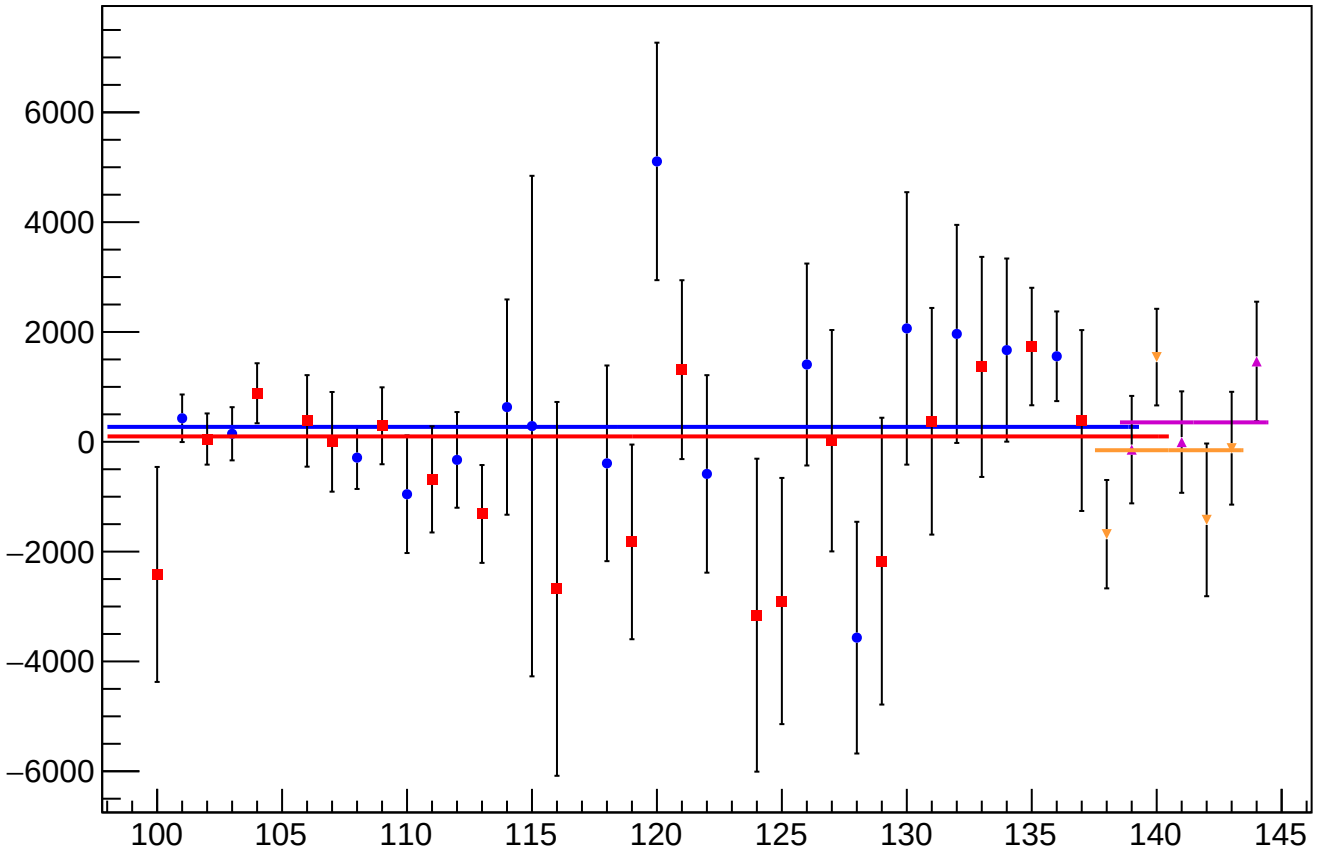
Left: 136.503+/-0.041 χ^2/NDF: 14487.4/6

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 113.442+/-0.026 χ^2/NDF:754088.9/18

Out: 109.459+/-0.025 χ^2/NDF:877735.7/22

All: 111.341+/-0.018 χ^2/NDF: 1644092.5/41



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 353.782+/-571.494 χ^2/NDF:1.5/2

Left: 73.388+/-382.222 χ^2/NDF: 8.8/6

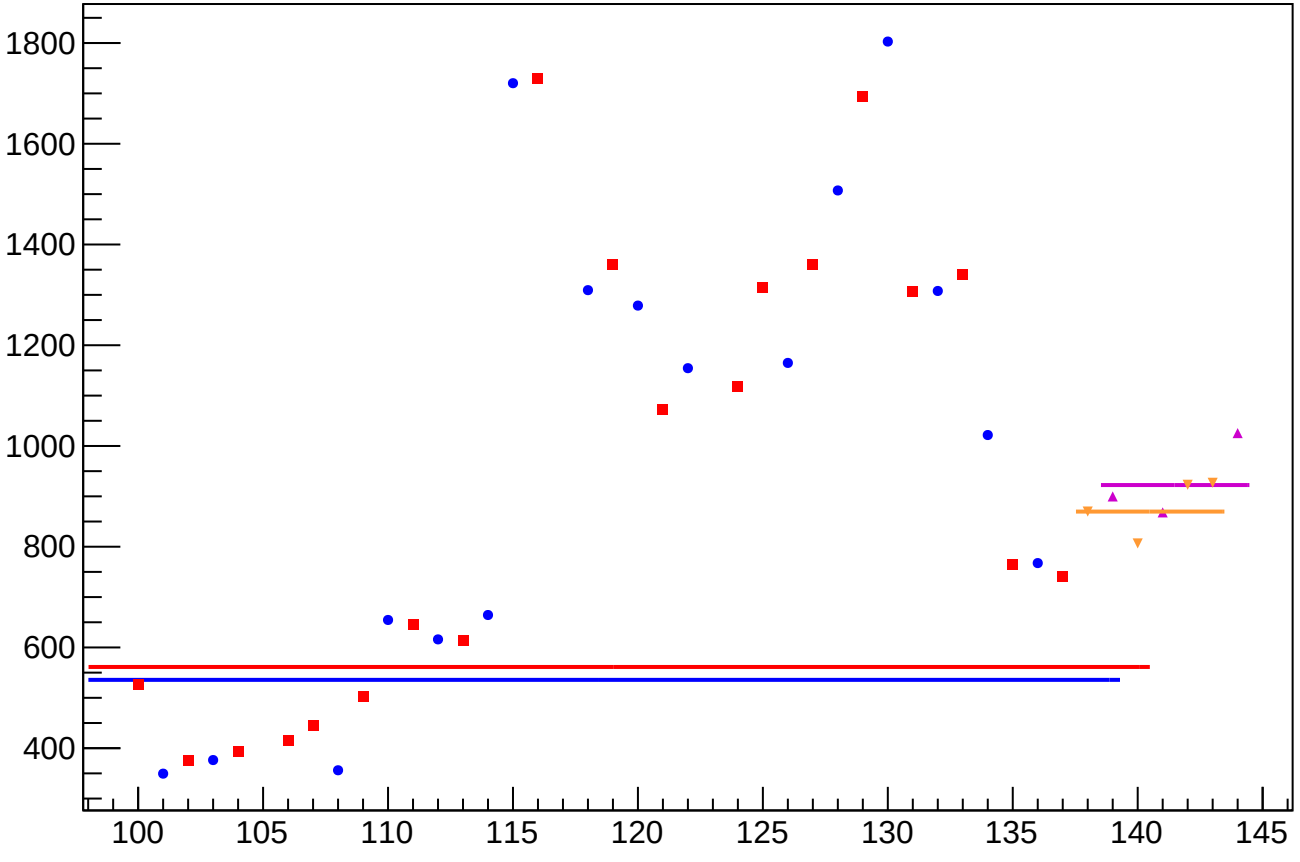
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 283.151+/-213.892 χ^2/NDF:17.9/18

Out: 55.080+/-212.058 χ^2/NDF:23.3/22

All: 168.133+/-150.592 χ^2/NDF: 41.8/41

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 922.437+/-0.404 χ^2/NDF:25967.1/2

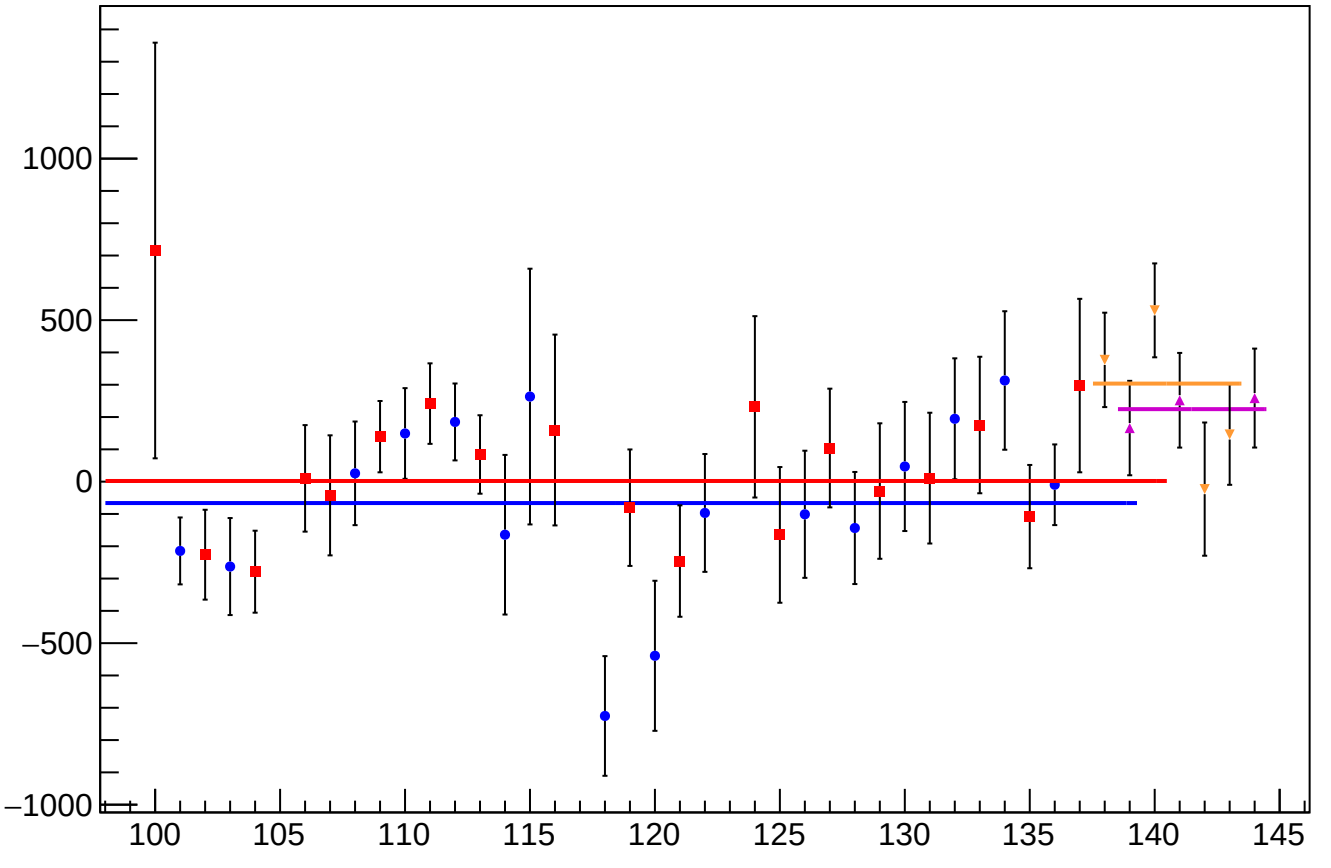
Left: 893.322+/-0.270 χ^2/NDF: 54819.8/6

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 589.839+/-0.151 χ^2/NDF:4446300.2/18

Out: 613.750+/-0.150 χ^2/NDF:3747771.1/22

All: 601.898+/-0.106 χ^2/NDF: 8206675.7/41



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 224.466+/-85.748 χ^2/NDF:0.2/2

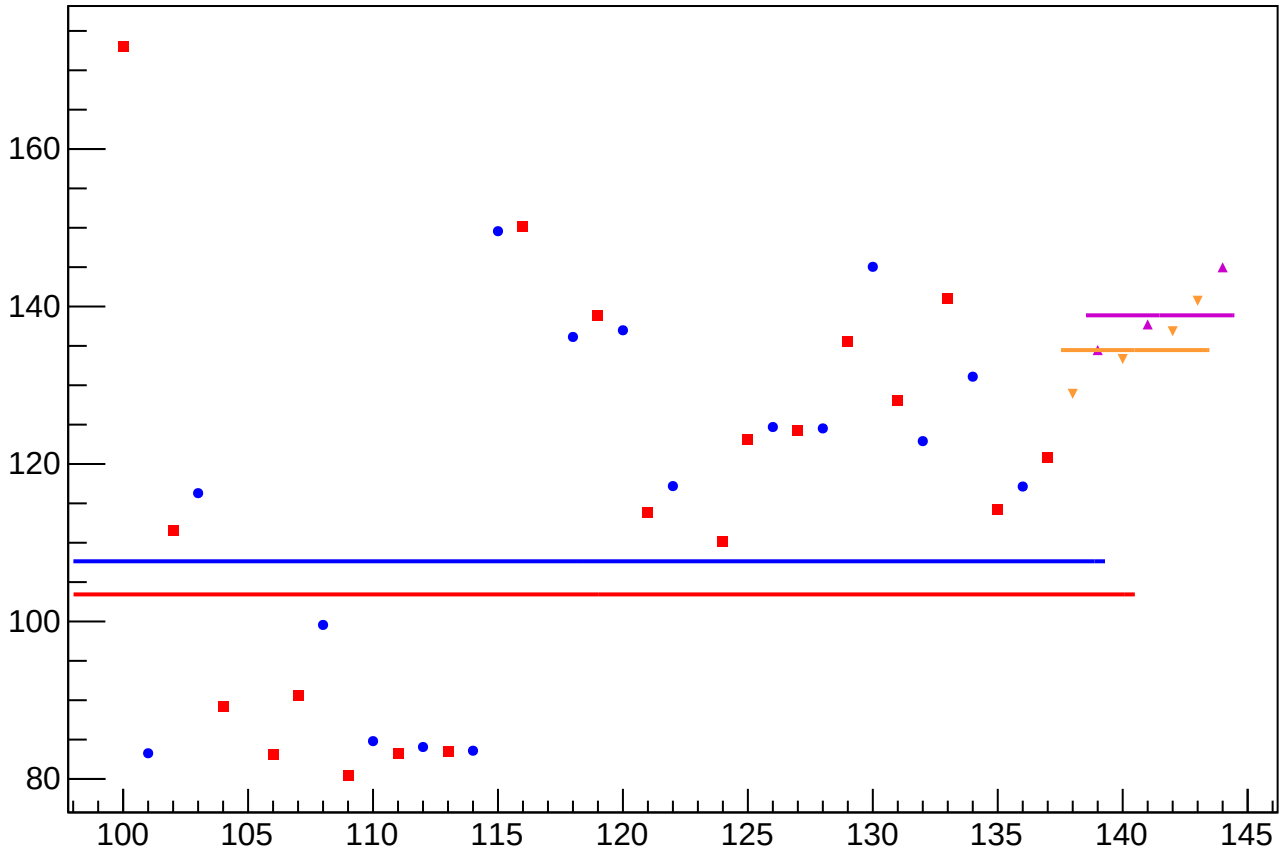
Left: 267.079+/-58.239 χ^2/NDF: 6.9/6

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -12.293+/-36.943 χ^2/NDF:44.0/18

Out: 60.572+/-34.955 χ^2/NDF:39.0/22

All: 26.153+/-25.391 χ^2/NDF: 85.0/41



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 138.881+/-0.061 χ^2/NDF:5118.8/2

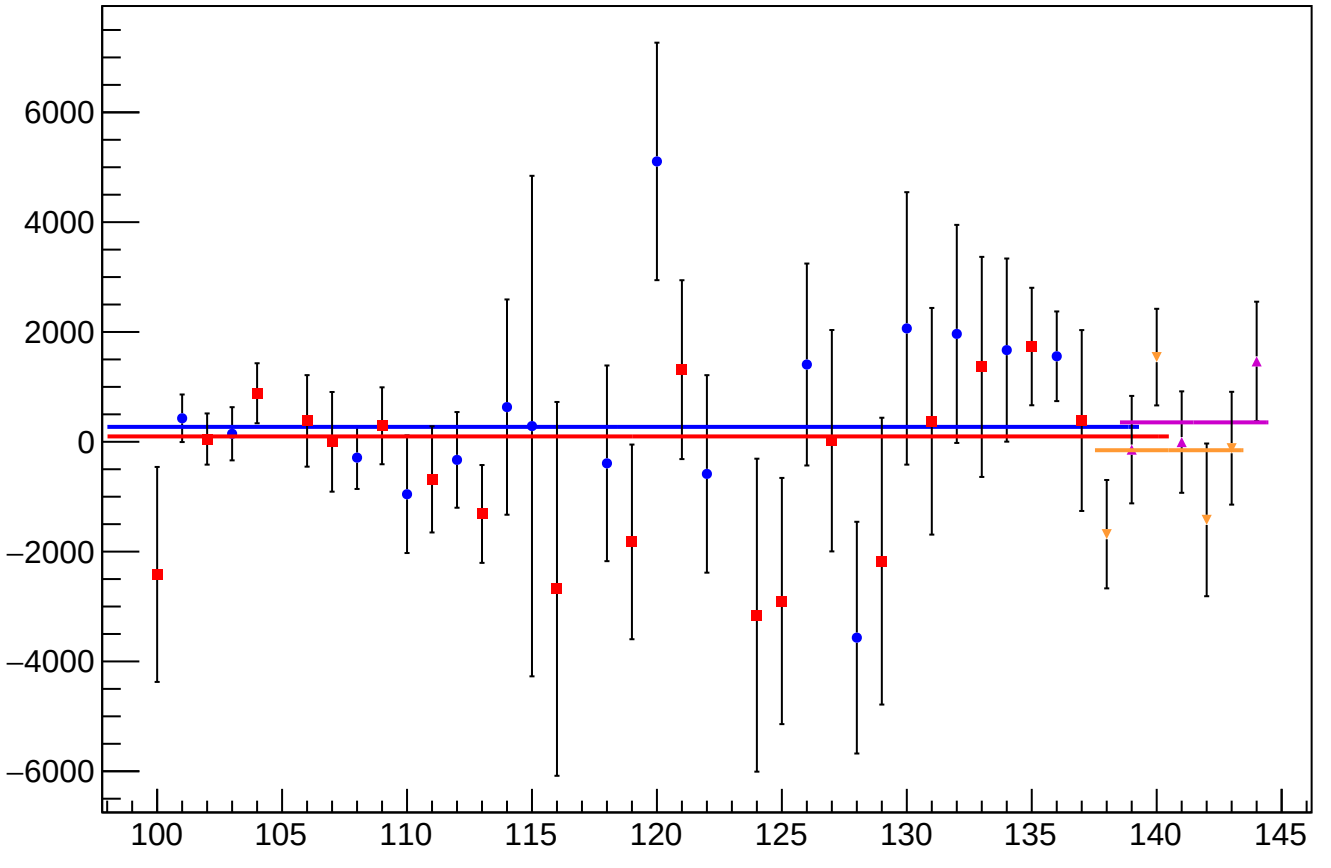
Left: 136.503+/-0.041 χ^2/NDF: 14487.4/6

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 113.442+/-0.026 χ^2/NDF:754088.9/18

Out: 109.459+/-0.025 χ^2/NDF:877735.7/22

All: 111.341+/-0.018 χ^2/NDF: 1644092.5/41



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 353.782+/-571.494 χ^2/NDF:1.5/2

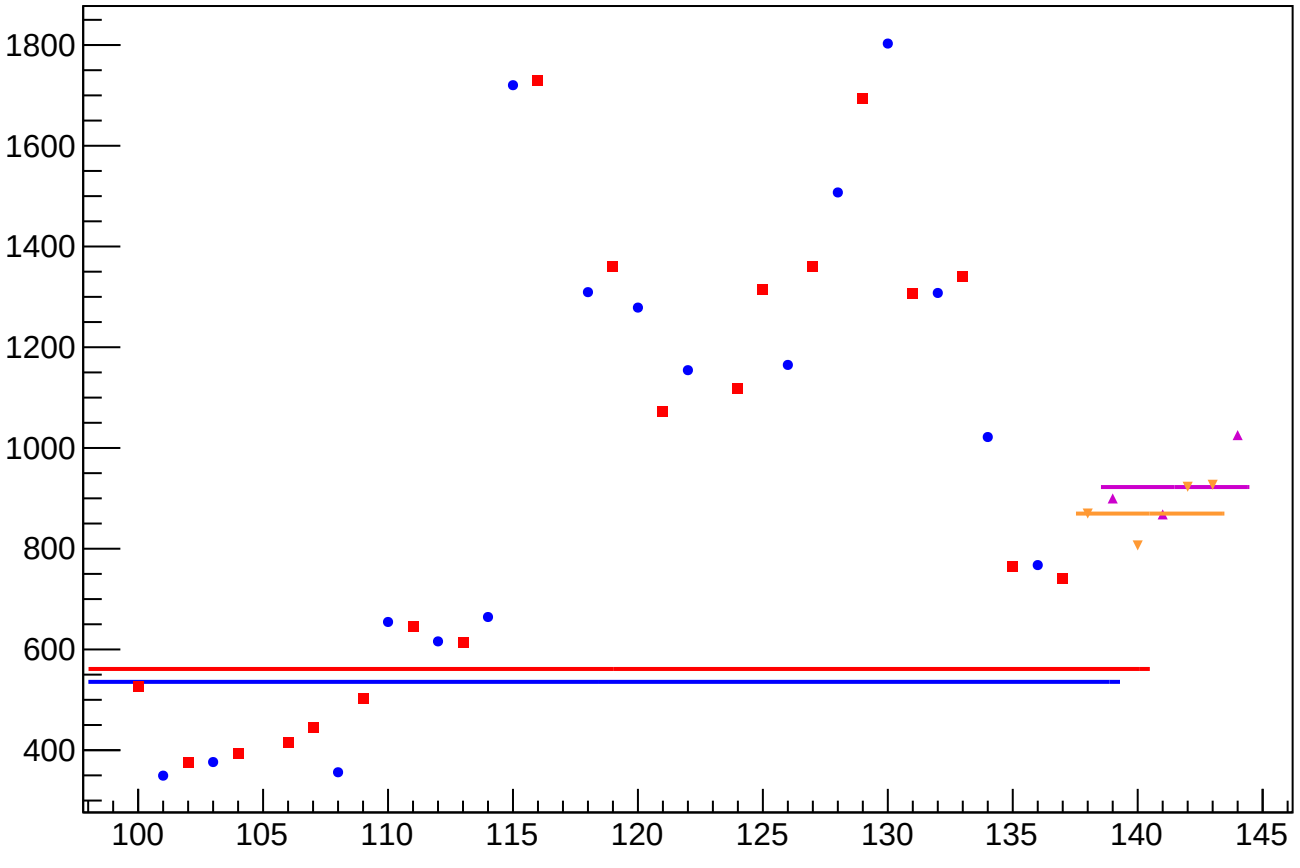
Left: 73.388+/-382.222 χ^2/NDF: 8.8/6

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 283.151+/-213.892 χ^2/NDF:17.9/18

Out: 55.080+/-212.058 χ^2/NDF:23.3/22

All: 168.133+/-150.592 χ^2/NDF: 41.8/41



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 922.437+/-0.404 χ^2/NDF:25967.1/2

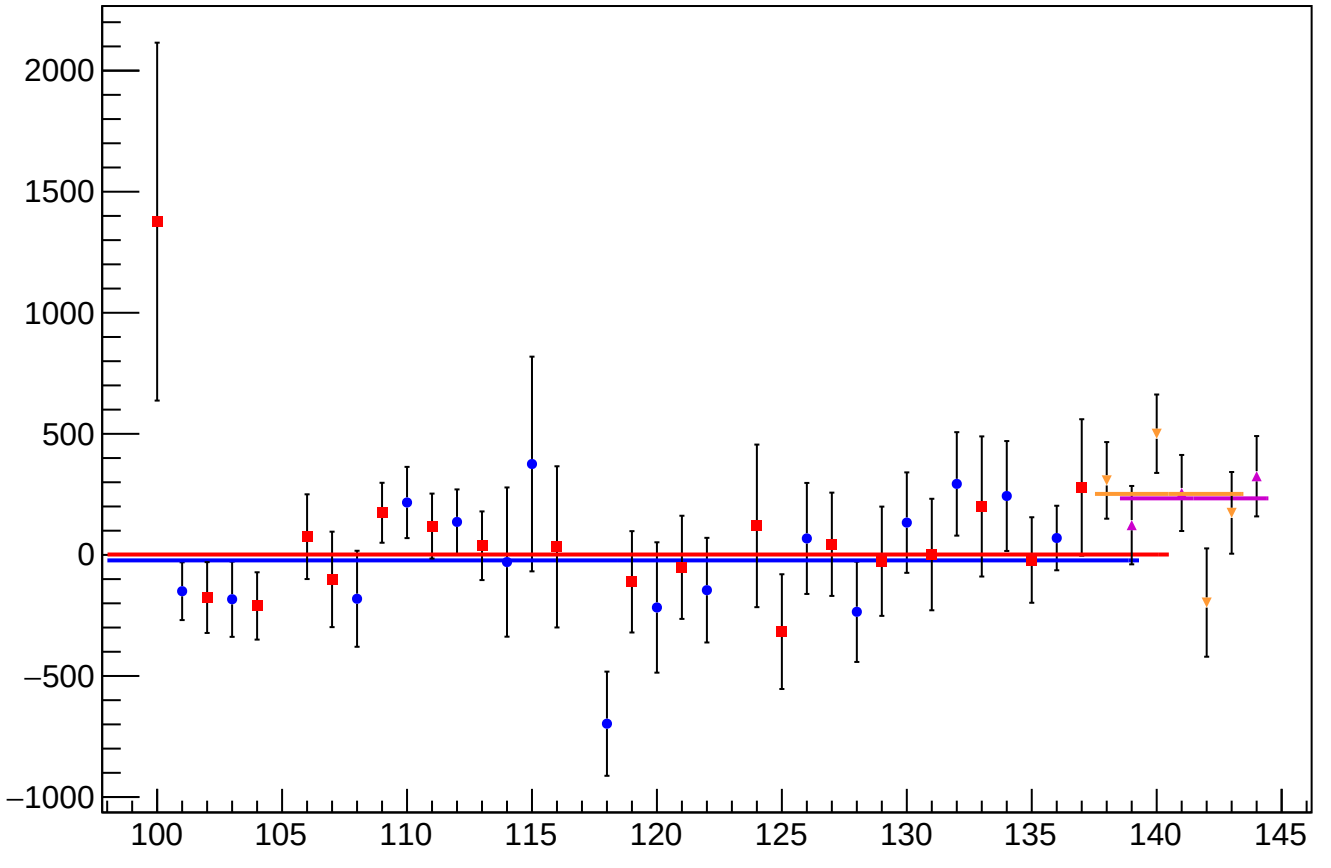
Left: 893.322+/-0.270 χ^2/NDF: 54819.8/6

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 589.839+/-0.151 χ^2/NDF:4446300.2/18

Out: 613.750+/-0.150 χ^2/NDF:3747771.1/22

All: 601.898+/-0.106 χ^2/NDF: 8206675.7/41



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.877+/-86.644 χ^2/NDF:6.7/3

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 233.504+/-93.239 χ^2/NDF:0.8/2

Left: 243.363+/-63.470 χ^2/NDF: 7.5/6

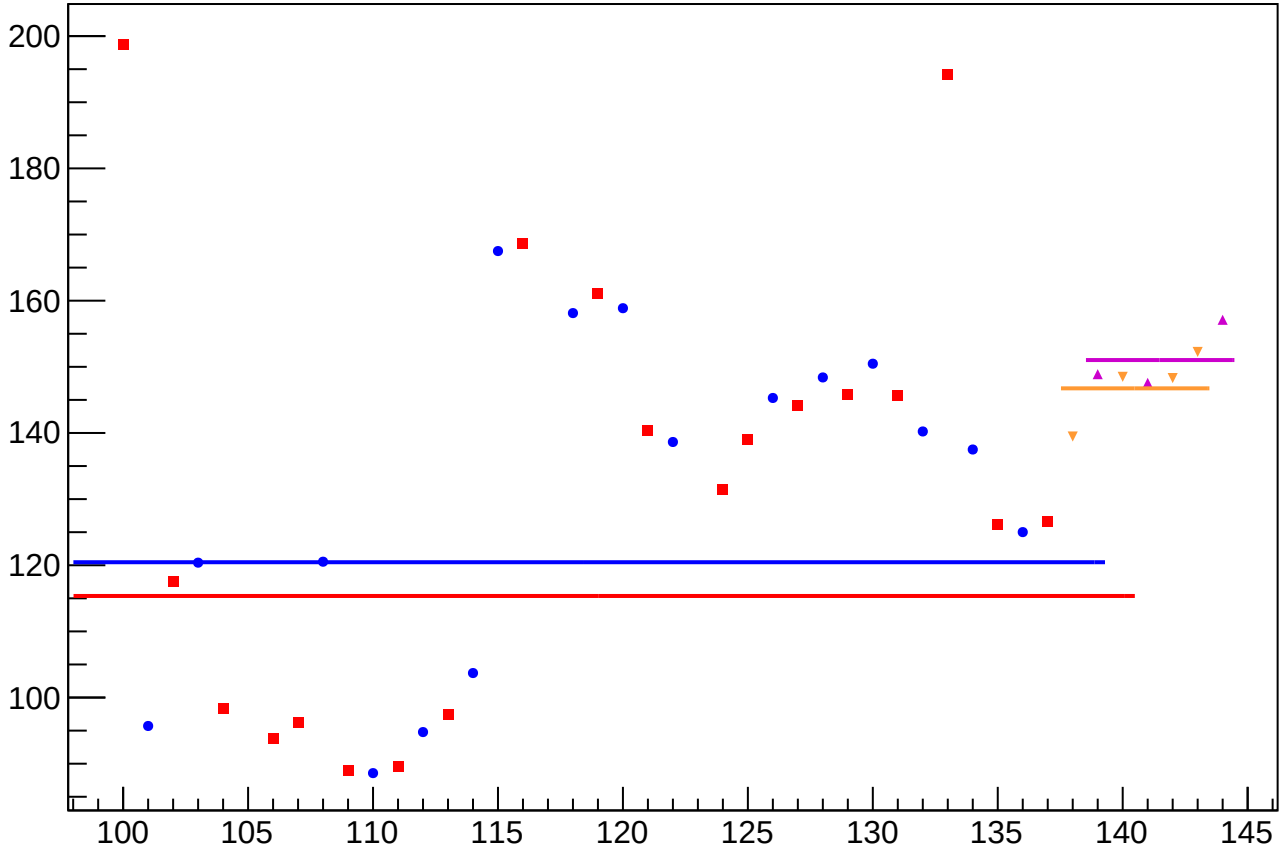
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 27.310+/-41.186 χ^2/NDF:31.0/18

Out: 52.101+/-38.921 χ^2/NDF:27.7/22

All: 40.406+/-28.288 χ^2/NDF: 58.9/41

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.7/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 151.025+/-0.066 χ^2/NDF:4004.3/2

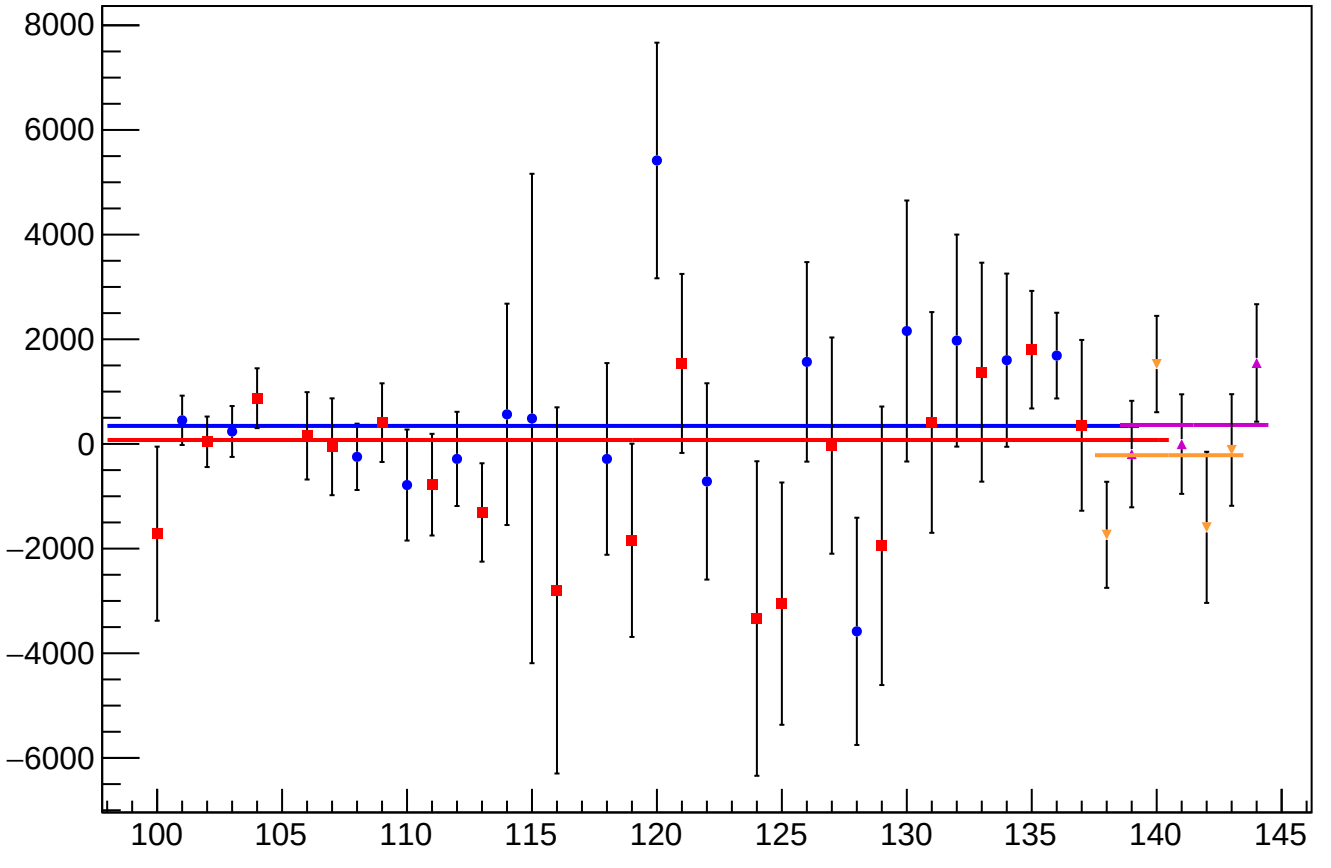
Left: 148.729+/-0.045 χ^2/NDF: 12959.3/6

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 126.423+/-0.029 χ^2/NDF:707343.7/18

Out: 121.691+/-0.028 χ^2/NDF:983456.6/22

All: 123.923+/-0.020 χ^2/NDF: 1704746.5/41



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -215.093+/-533.555 χ^2/NDF:6.8/3

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 362.436+/-590.854 χ^2/NDF:1.6/2

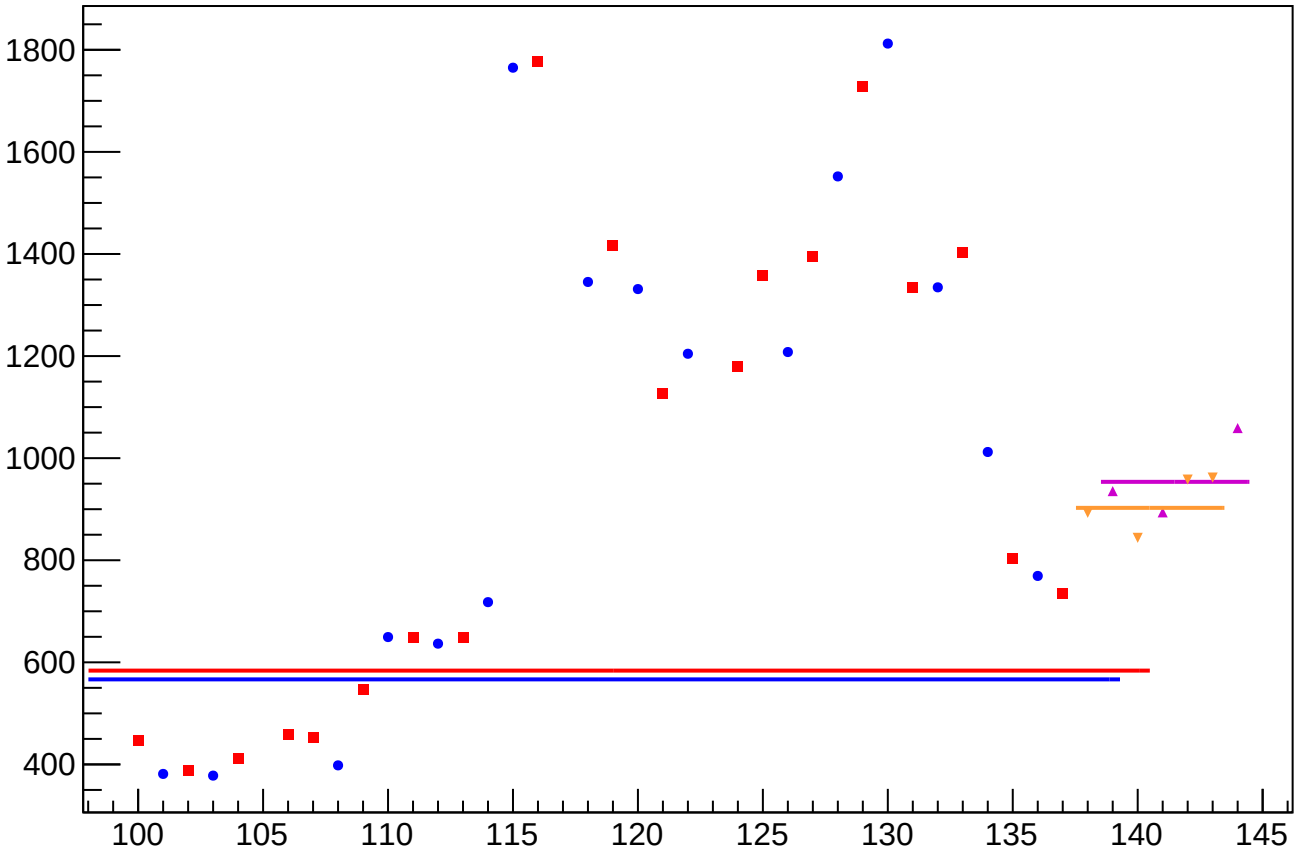
Left: 44.318+/-395.992 χ^2/NDF: 8.8/6

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 347.014+/-223.573 χ^2/NDF:17.8/18

Out: 26.381+/-219.240 χ^2/NDF:22.3/22

All: 183.560+/-156.535 χ^2/NDF: 41.1/41



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 902.632+/-0.377 χ^2/NDF:17466.3/3

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 953.605+/-0.418 χ^2/NDF:26149.7/2

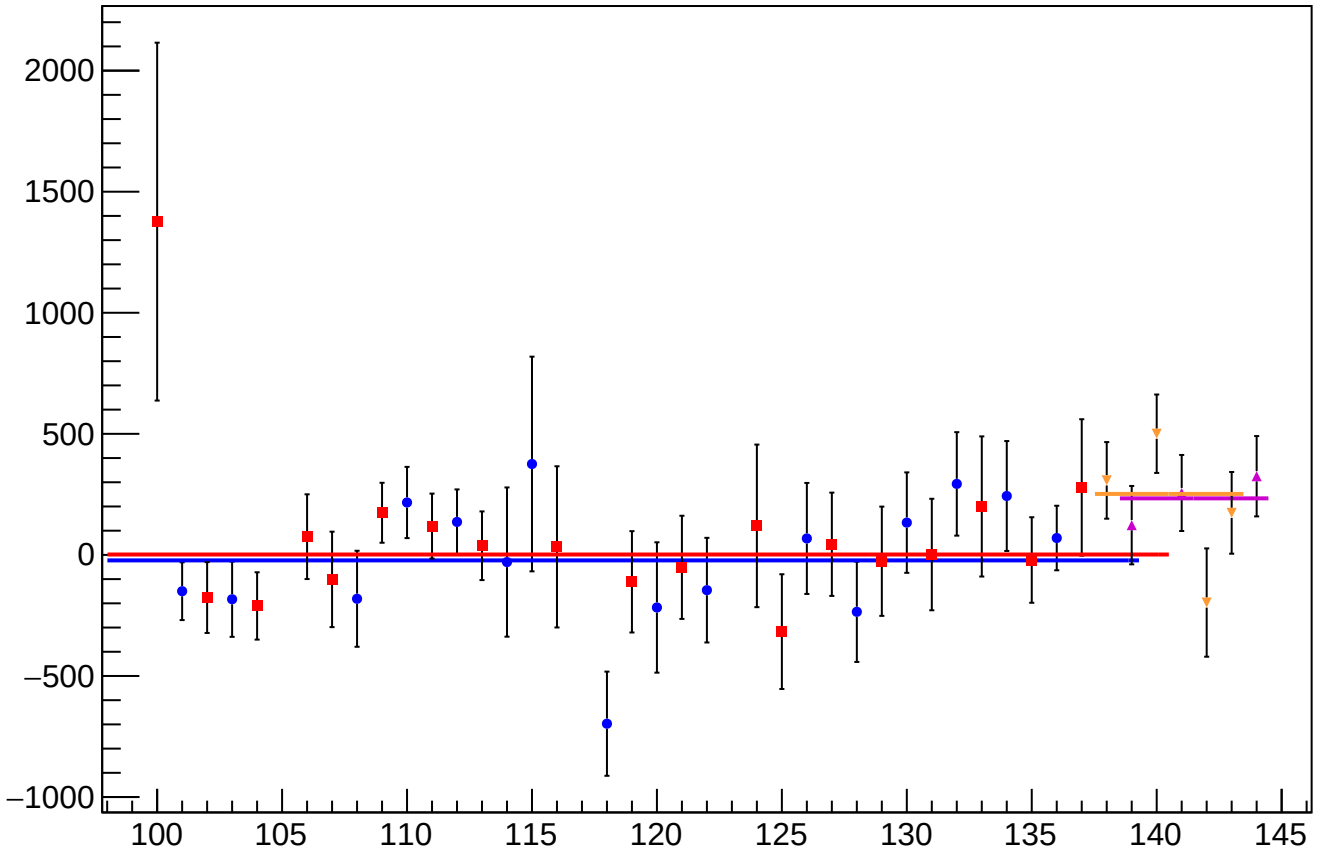
Left: 925.528+/-0.280 χ^2/NDF: 51814.8/6

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 622.014+/-0.158 χ^2/NDF:4193755.5/18

Out: 637.627+/-0.155 χ^2/NDF:3718584.2/22

All: 629.973+/-0.111 χ^2/NDF: 7917312.3/41



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.881+/-86.644 χ^2/NDF:6.7/3

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 233.503+/-93.239 χ^2/NDF:0.8/2

Left: 243.365+/-63.470 χ^2/NDF: 7.5/6

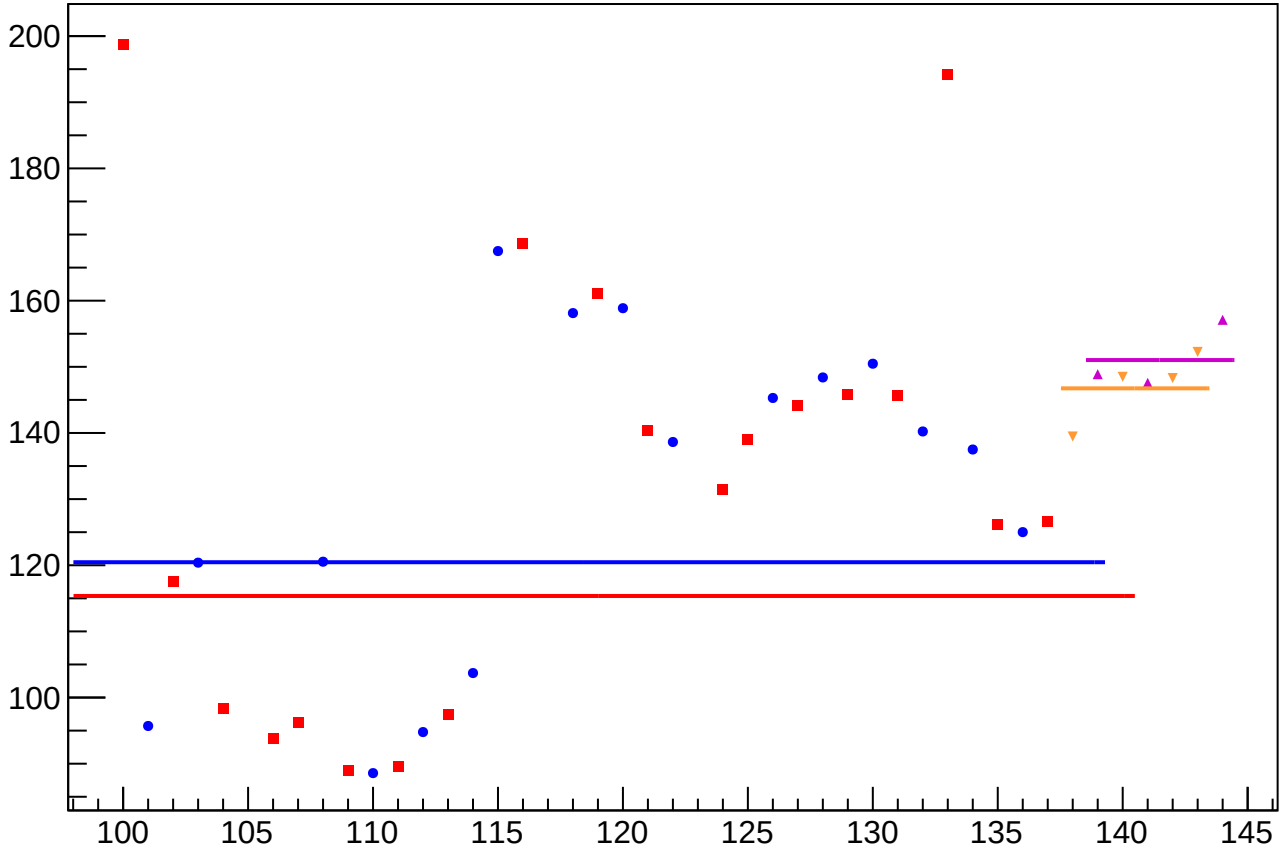
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 27.308+/-41.186 χ^2/NDF:31.0/18

Out: 52.103+/-38.920 χ^2/NDF:27.7/22

All: 40.406+/-28.288 χ^2/NDF: 58.9/41

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.3/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 151.025+/-0.066 χ^2/NDF:4004.3/2

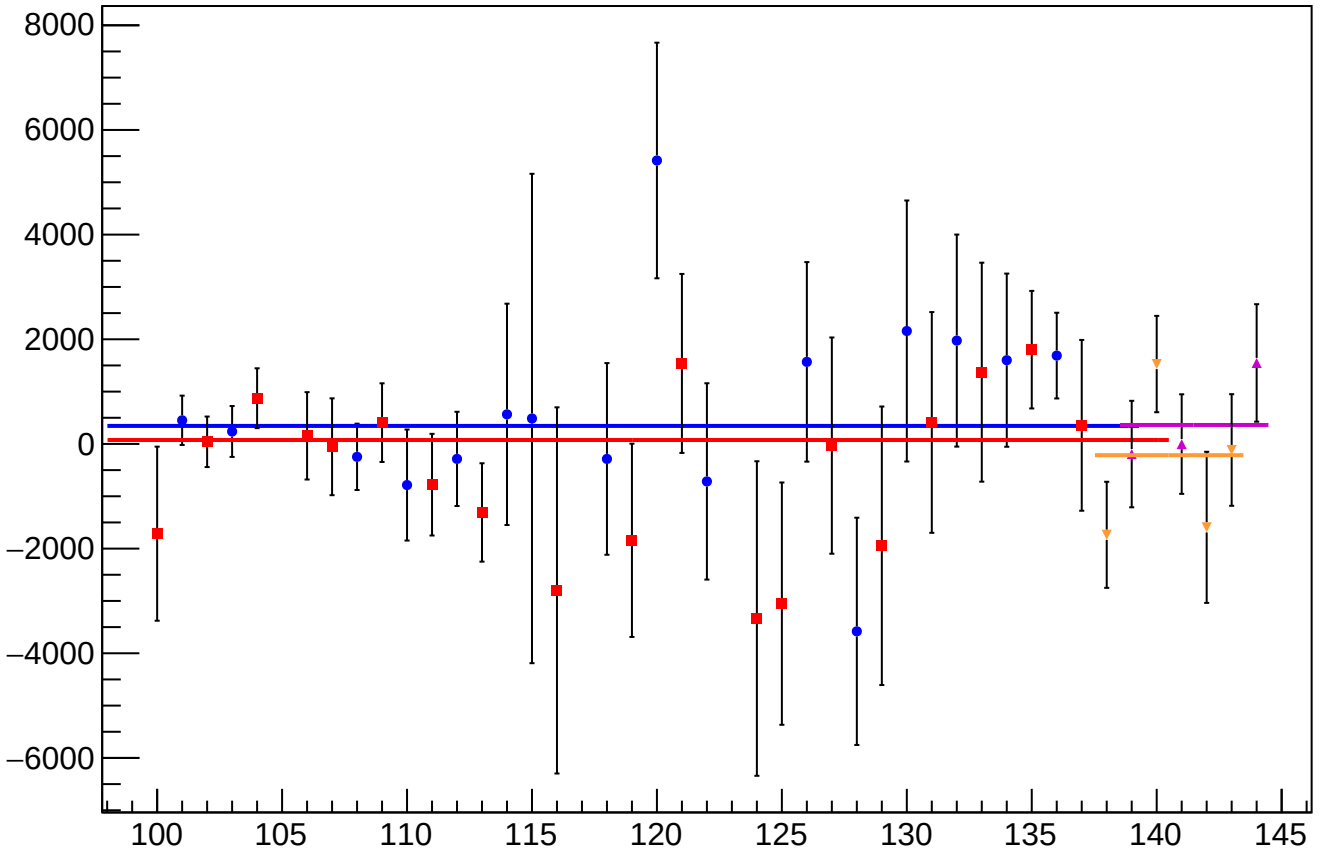
Left: 148.729+/-0.045 χ^2/NDF: 12959.0/6

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 126.422+/-0.029 χ^2/NDF:707348.4/18

Out: 121.691+/-0.028 χ^2/NDF:983455.8/22

All: 123.923+/-0.020 χ^2/NDF: 1704750.2/41



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -215.087+/-533.554 χ^2/NDF:6.8/3

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 362.434+/-590.853 χ^2/NDF:1.6/2

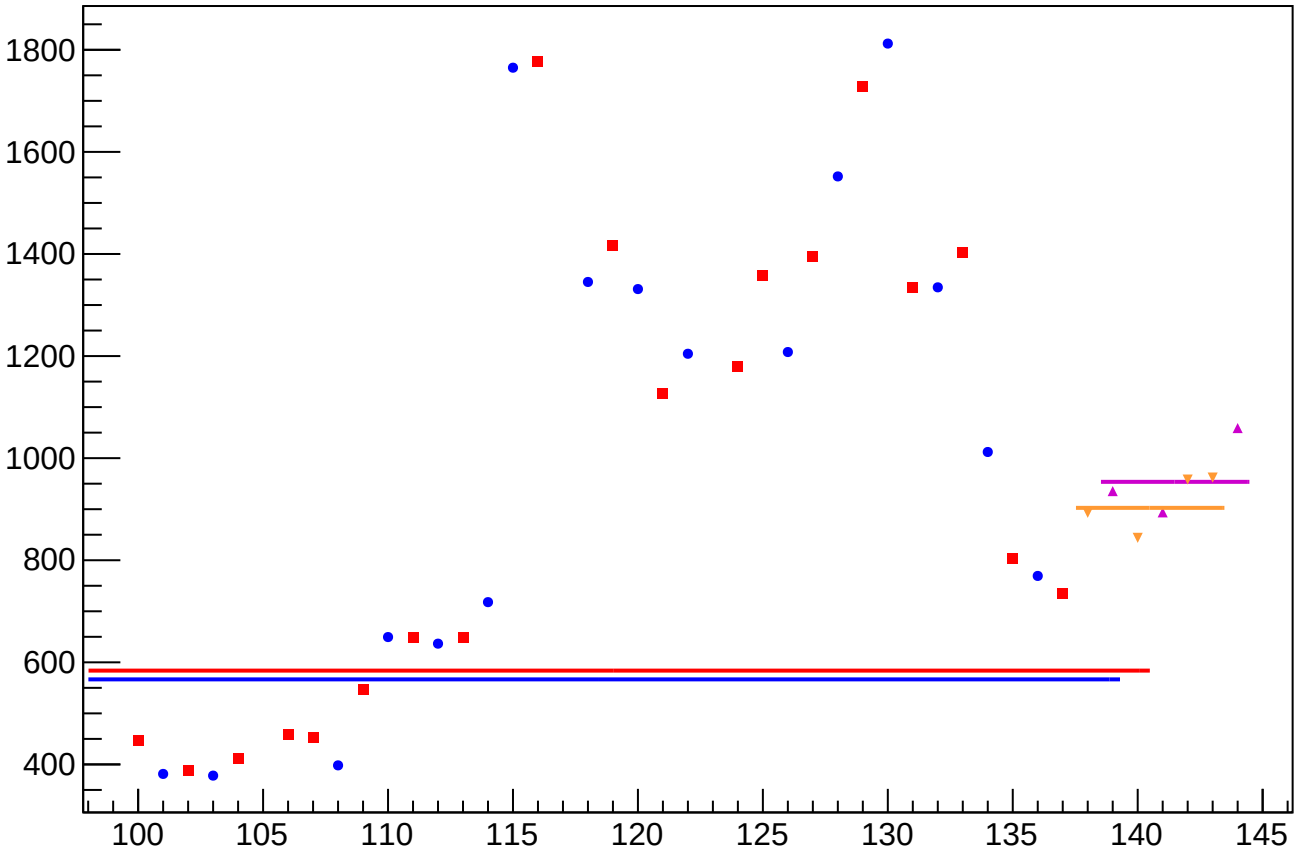
Left: 44.320+/-395.992 χ^2/NDF: 8.8/6

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 347.013+/-223.573 χ^2/NDF:17.8/18

Out: 26.383+/-219.240 χ^2/NDF:22.3/22

All: 183.561+/-156.535 χ^2/NDF: 41.1/41



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 902.631+/-0.377 χ^2/NDF:17466.5/3

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 953.604+/-0.418 χ^2/NDF:26150.2/2

Left: 925.527+/-0.280 χ^2/NDF: 51815.7/6

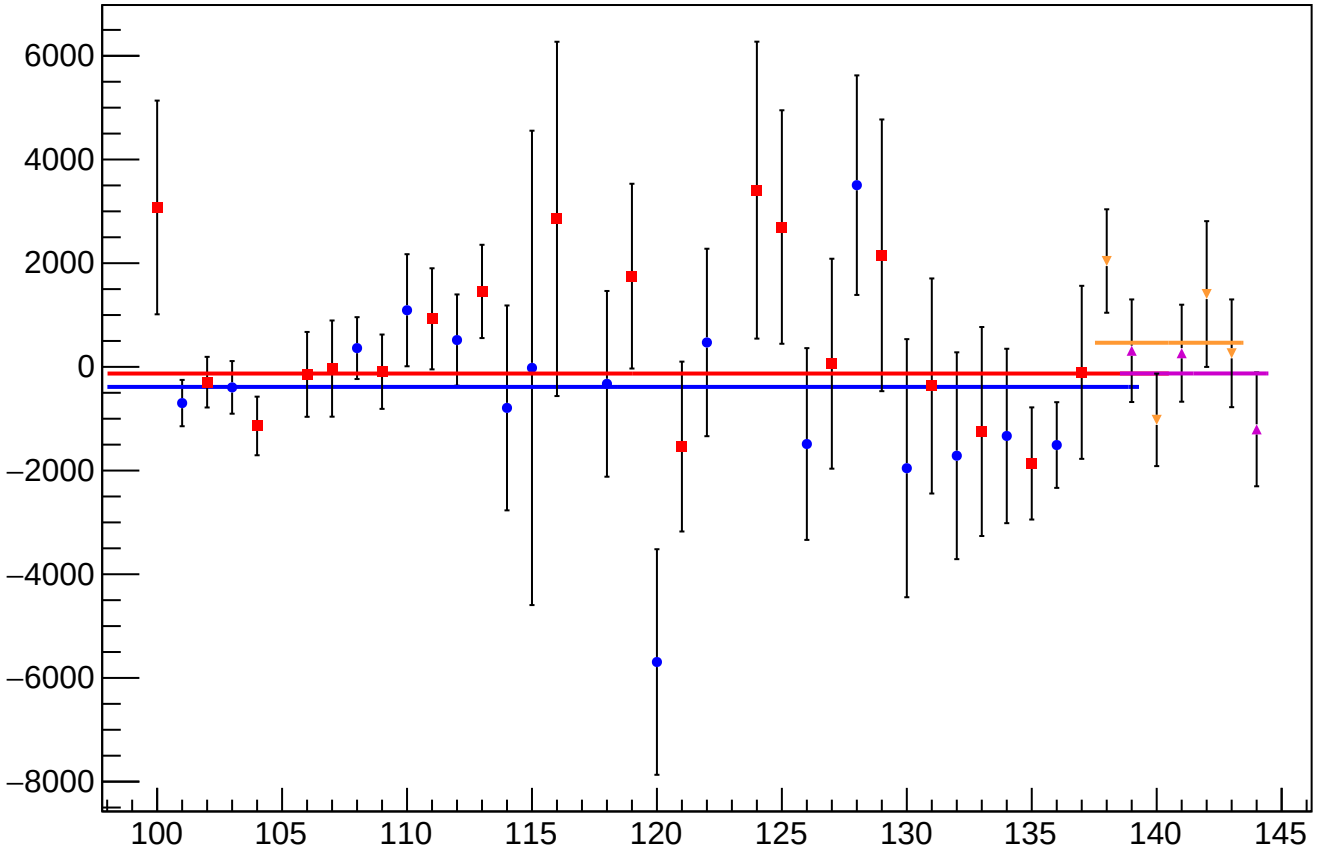
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 622.013+/-0.158 χ^2/NDF:4193761.6/18

Out: 637.627+/-0.155 χ^2/NDF:3718583.9/22

All: 629.973+/-0.111 χ^2/NDF: 7917318.3/41

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 465.389+/-520.330 χ^2/NDF:5.8/3

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: -126.862+/-578.015 χ^2/NDF:1.3/2

Left: 200.283+/-386.720 χ^2/NDF: 7.7/6

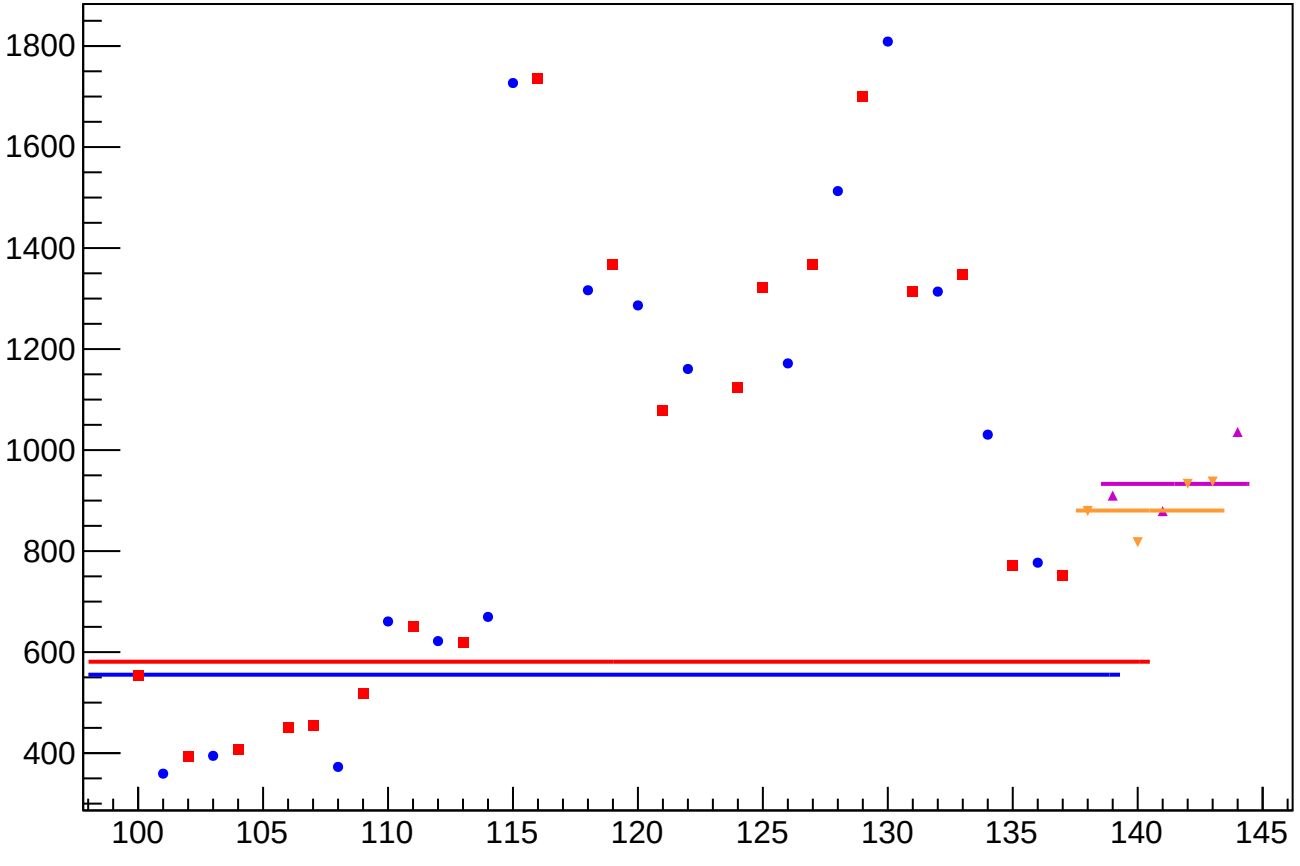
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -349.009+/-219.698 χ^2/NDF:19.4/18

Out: -25.643+/-216.615 χ^2/NDF:26.2/22

All: -185.041+/-154.248 χ^2/NDF: 46.8/41

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 880.329+/-0.368 χ^2/NDF:18801.1/3

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 933.076+/-0.409 χ^2/NDF:25289.6/2

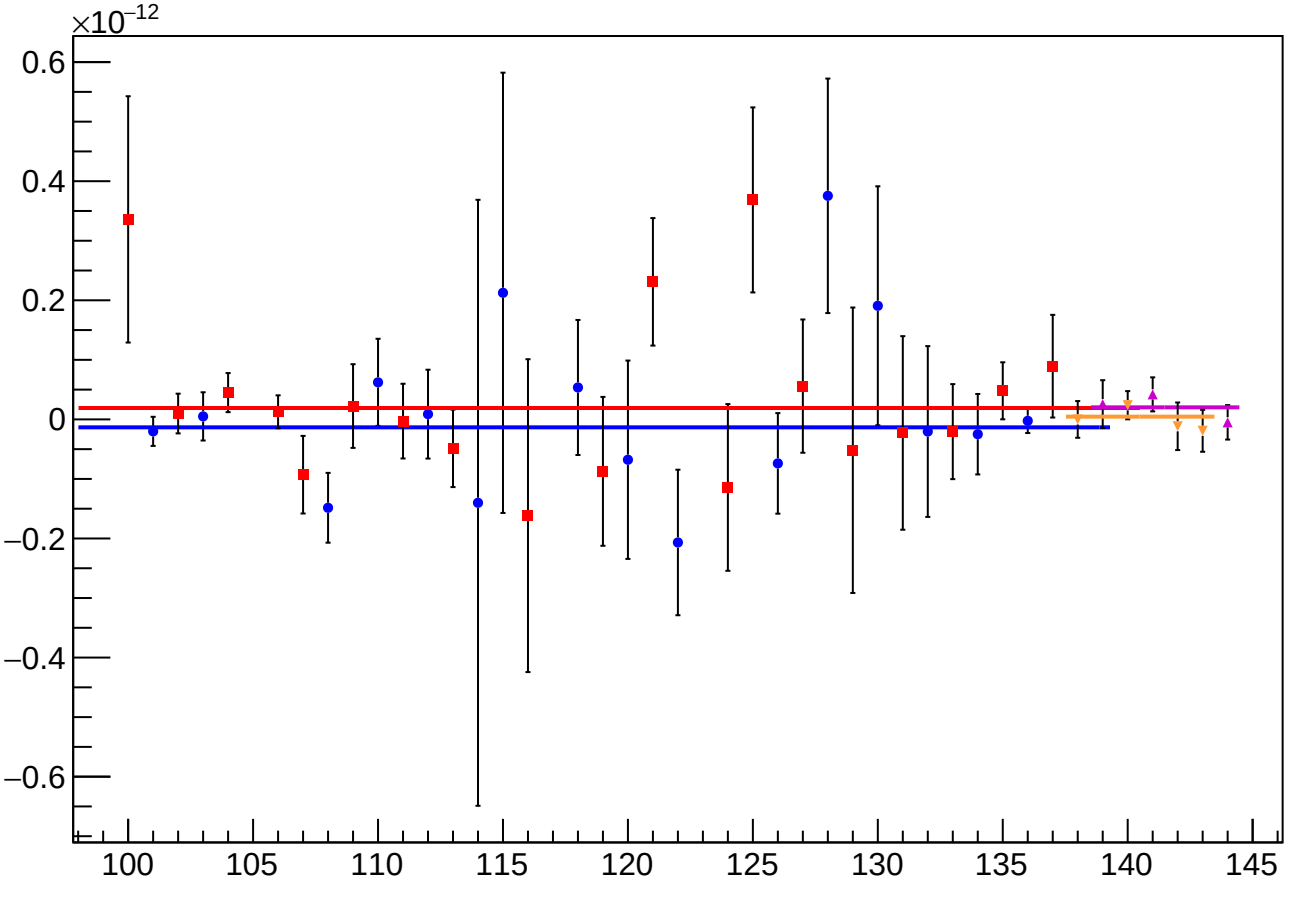
Left: 903.940+/-0.273 χ^2/NDF: 53290.6/6

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 609.870+/-0.155 χ^2/NDF:4238748.2/18

Out: 632.872+/-0.153 χ^2/NDF:3549534.9/22

All: 621.534+/-0.109 χ^2/NDF: 7799400.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

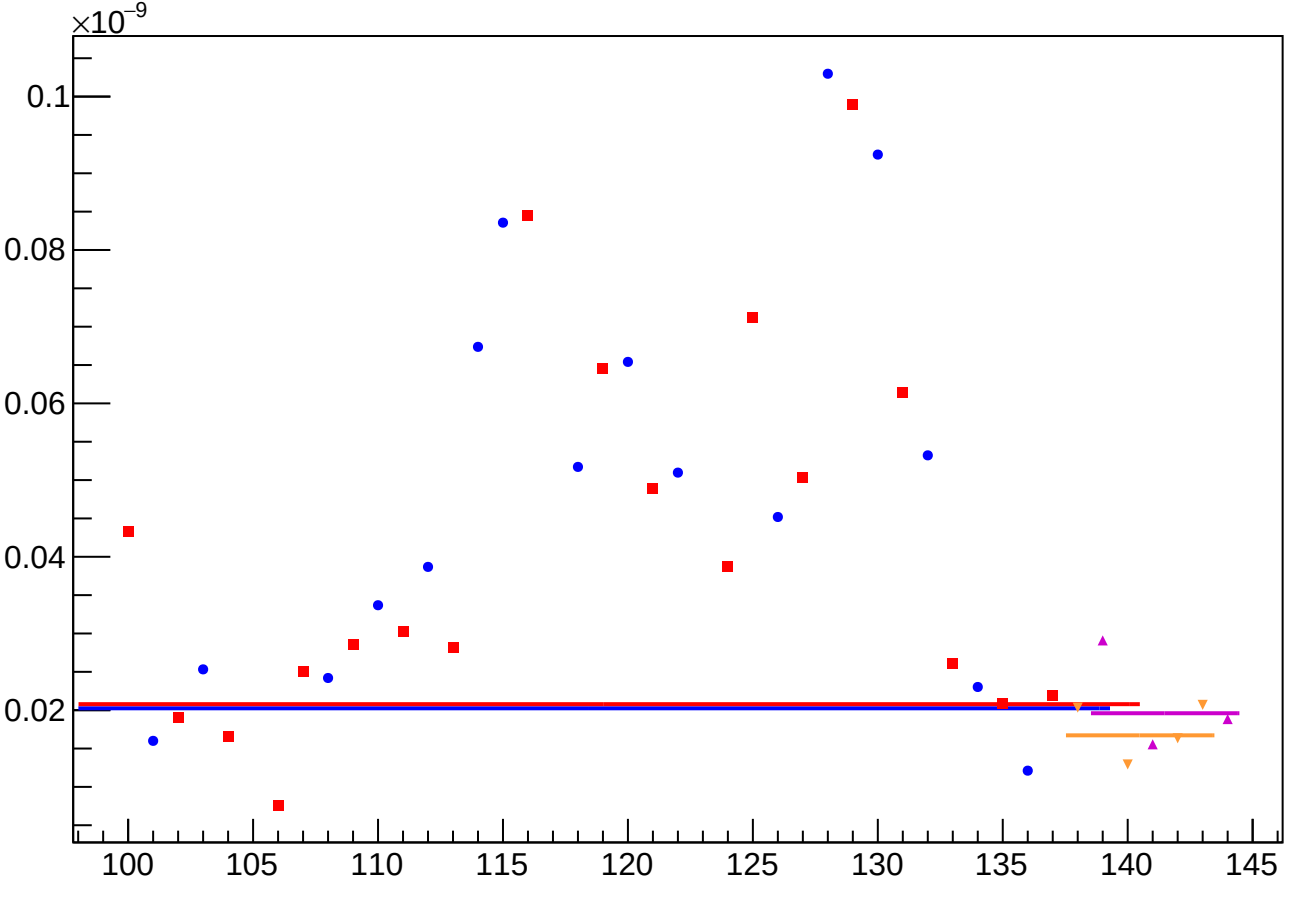
Left: 0.000+/-0.000 χ^2/NDF: 3.1/6

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:19.5/18

Out: 0.000+/-0.000 χ^2/NDF:21.7/22

All: 0.000+/-0.000 χ^2/NDF: 42.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:104598.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:153094.1/2

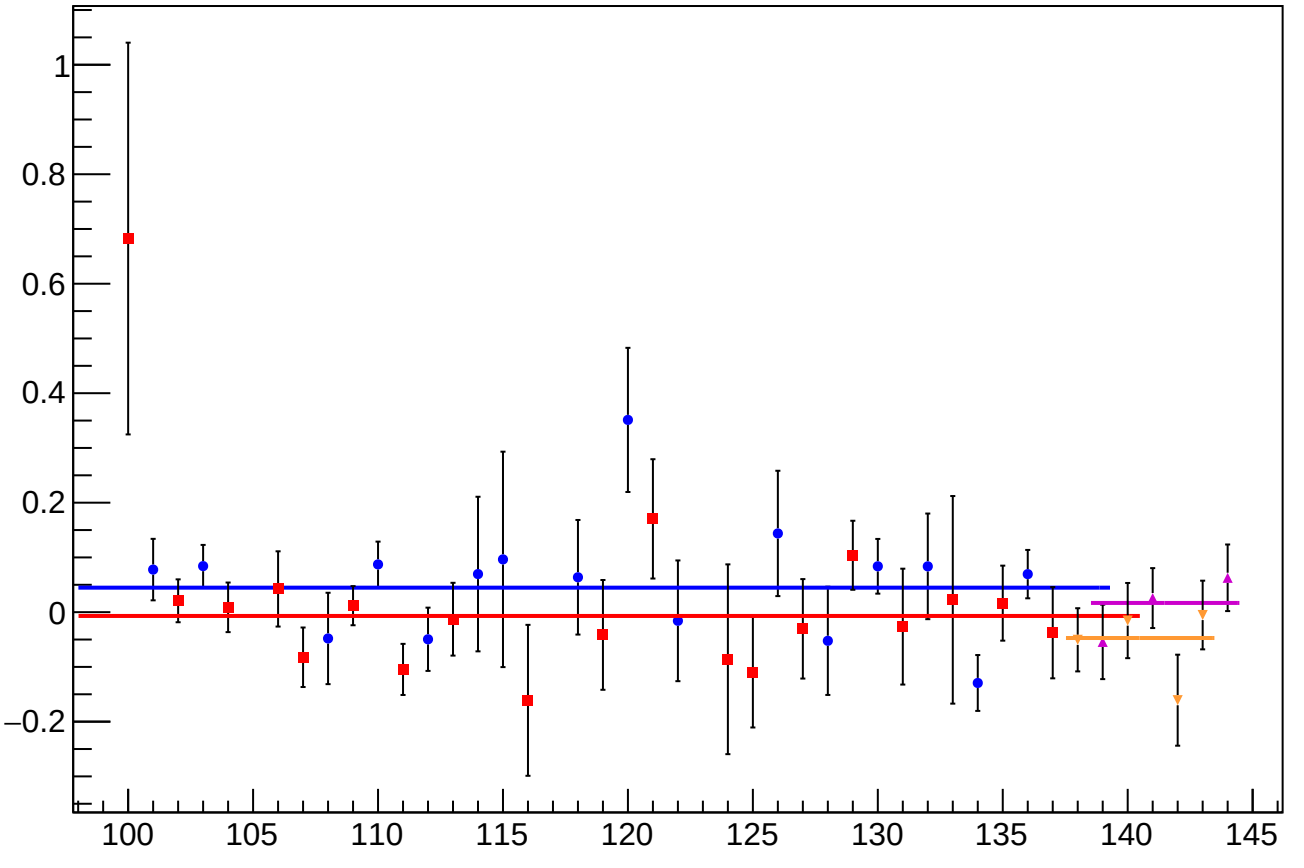
Left: 0.000+/-0.000 χ^2/NDF: 287161.5/6

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2159438.5/18

Out: 0.000+/-0.000 χ^2/NDF:2037999.1/22

All: 0.000+/-0.000 χ^2/NDF: 4208092.9/41



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.017+/-0.035 χ^2/NDF:1.7/2

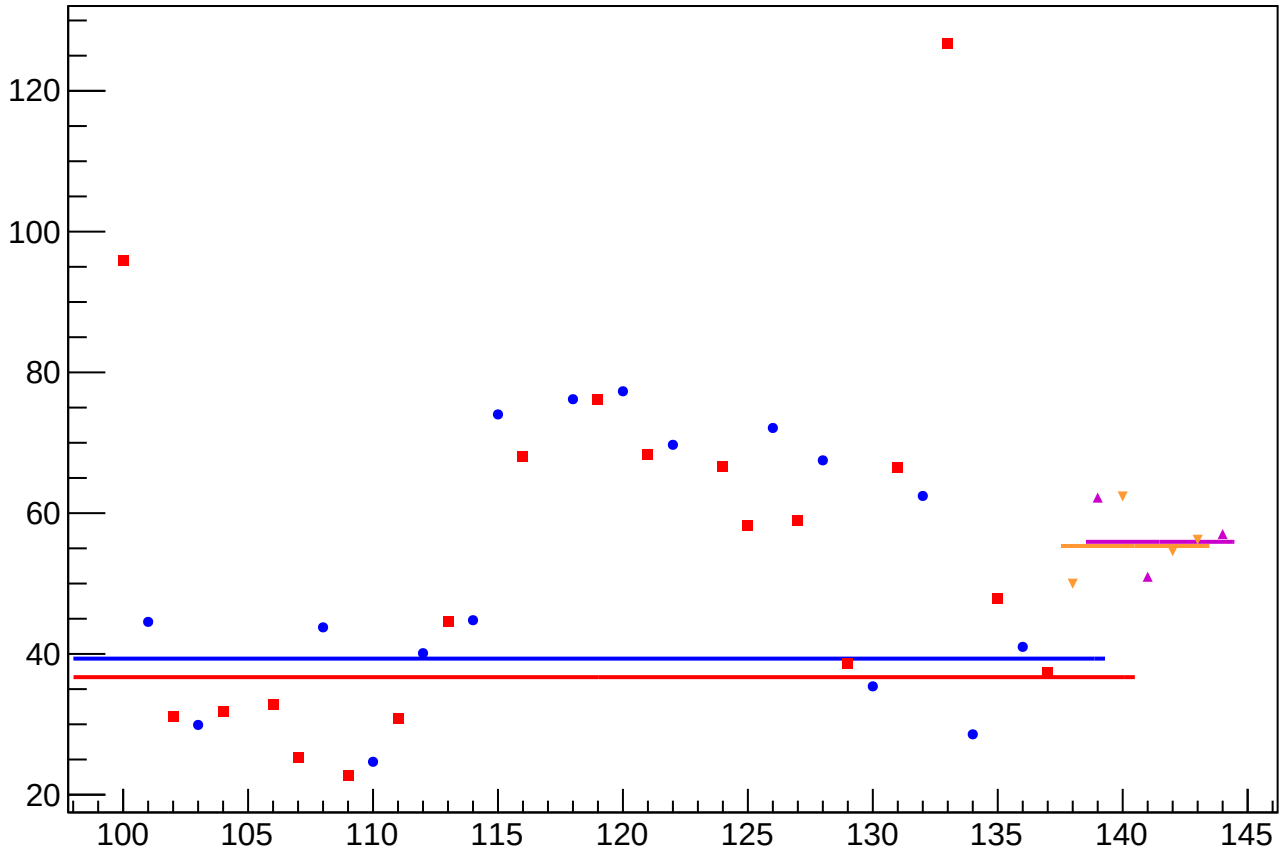
Left: -0.017+/-0.024 χ^2/NDF: 6.0/6

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.015 χ^2/NDF:28.8/18

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.011+/-0.010 χ^2/NDF: 60.0/41



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.929+/-0.025 χ^2/NDF:34139.8/2

Left: 55.615+/-0.017 χ^2/NDF: 73253.4/6

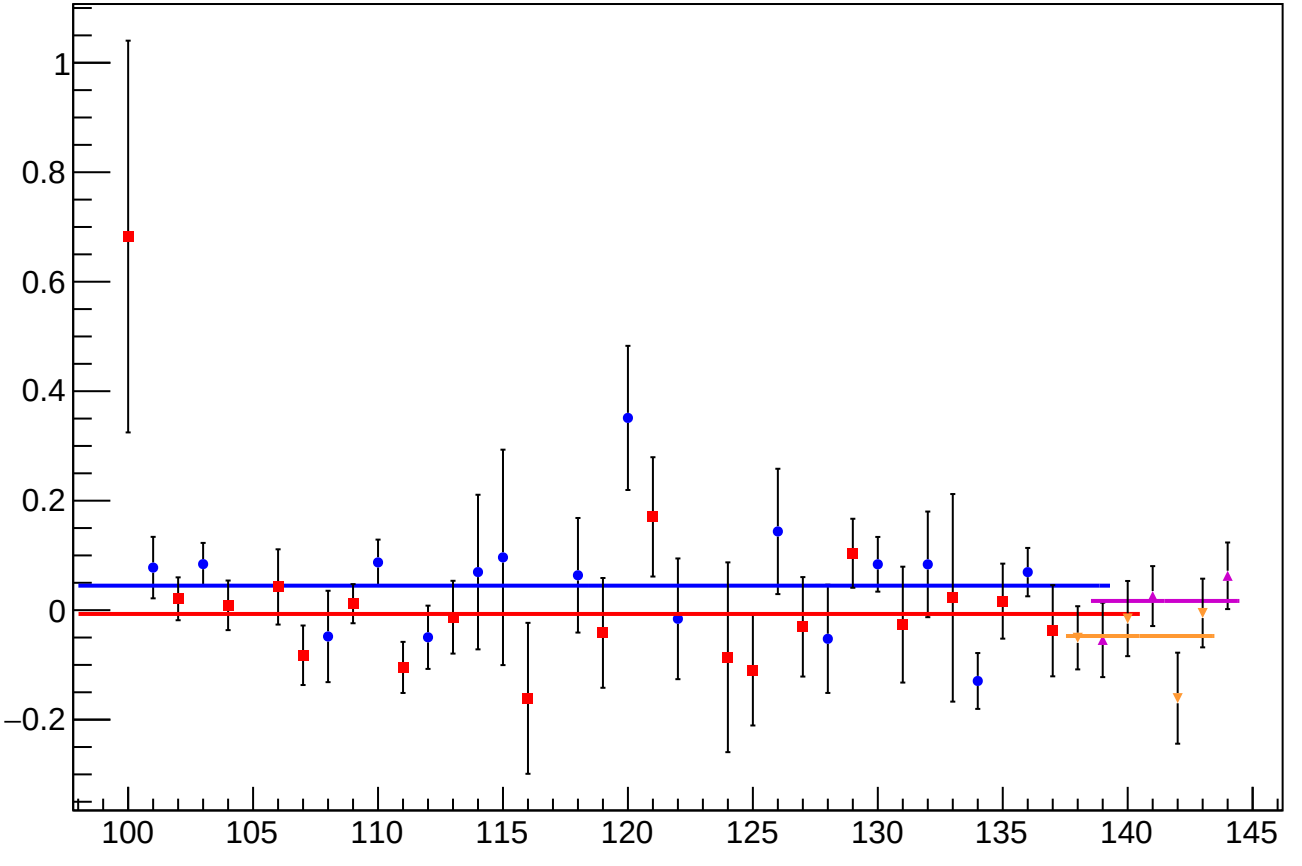
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 42.220+/-0.010 χ^2/NDF:1973776.7/18

Out: 39.909+/-0.010 χ^2/NDF:2659270.1/22

All: 40.998+/-0.007 χ^2/NDF: 4659698.8/41

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.017+/-0.035 χ^2/NDF:1.7/2

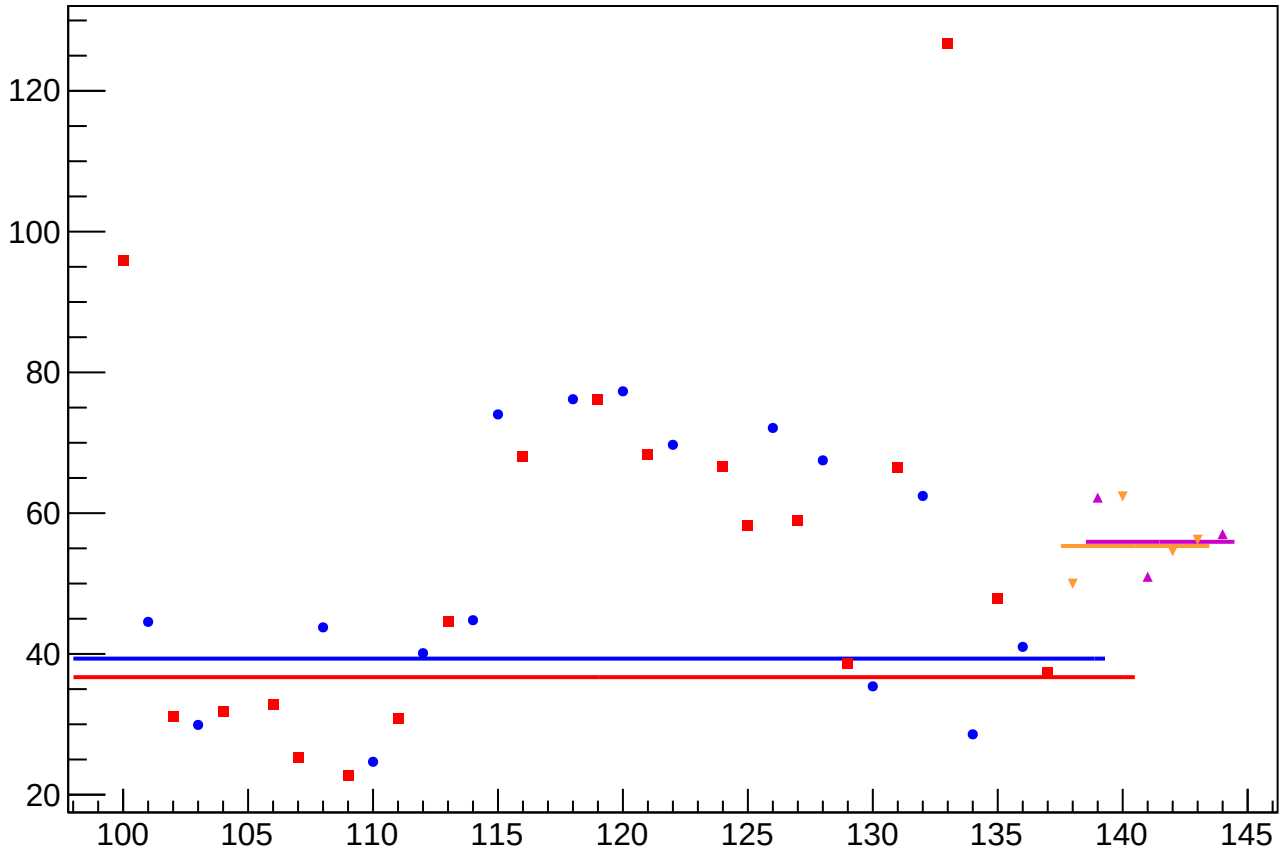
Left: -0.017+/-0.024 χ^2/NDF: 6.0/6

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.015 χ^2/NDF:28.8/18

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.011+/-0.010 χ^2/NDF: 60.0/41



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.929+/-0.025 χ^2/NDF:34139.8/2

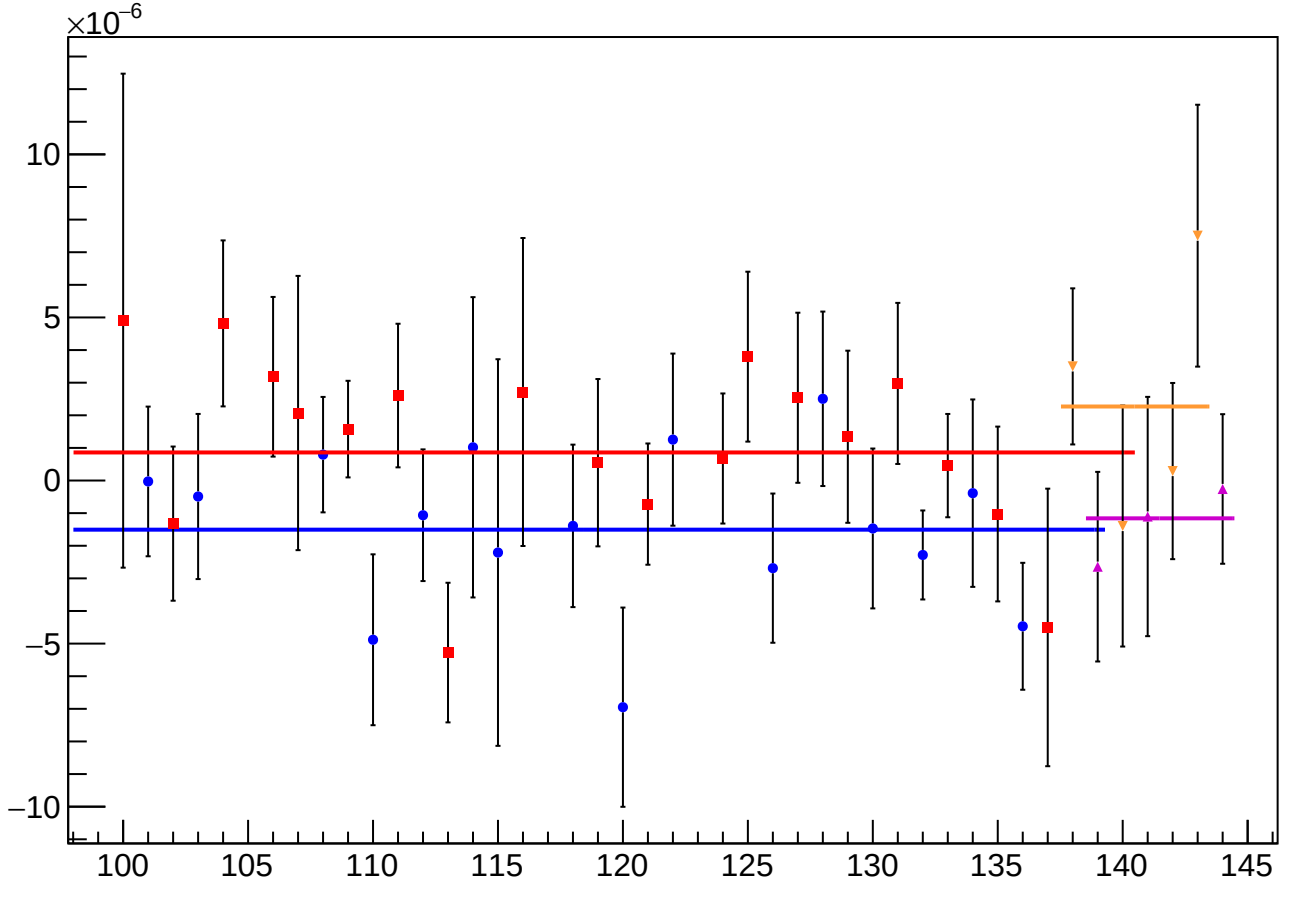
Left: 55.615+/-0.017 χ^2/NDF: 73253.4/6

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 42.220+/-0.010 χ^2/NDF:1973776.7/18

Out: 39.909+/-0.010 χ^2/NDF:2659270.1/22

All: 40.998+/-0.007 χ^2/NDF: 4659698.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

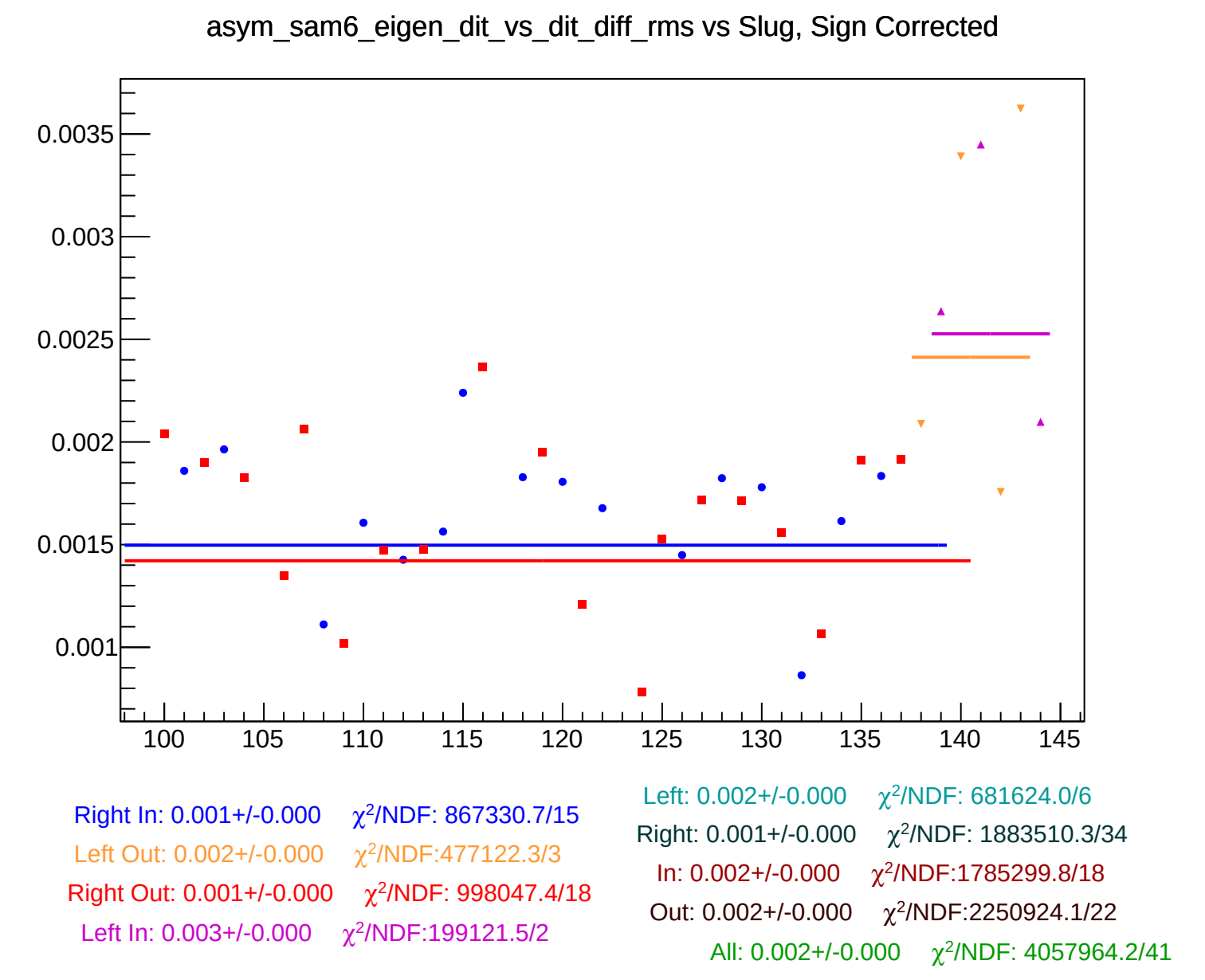
Left: 0.000+/-0.000 χ^2/NDF: 6.3/6

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

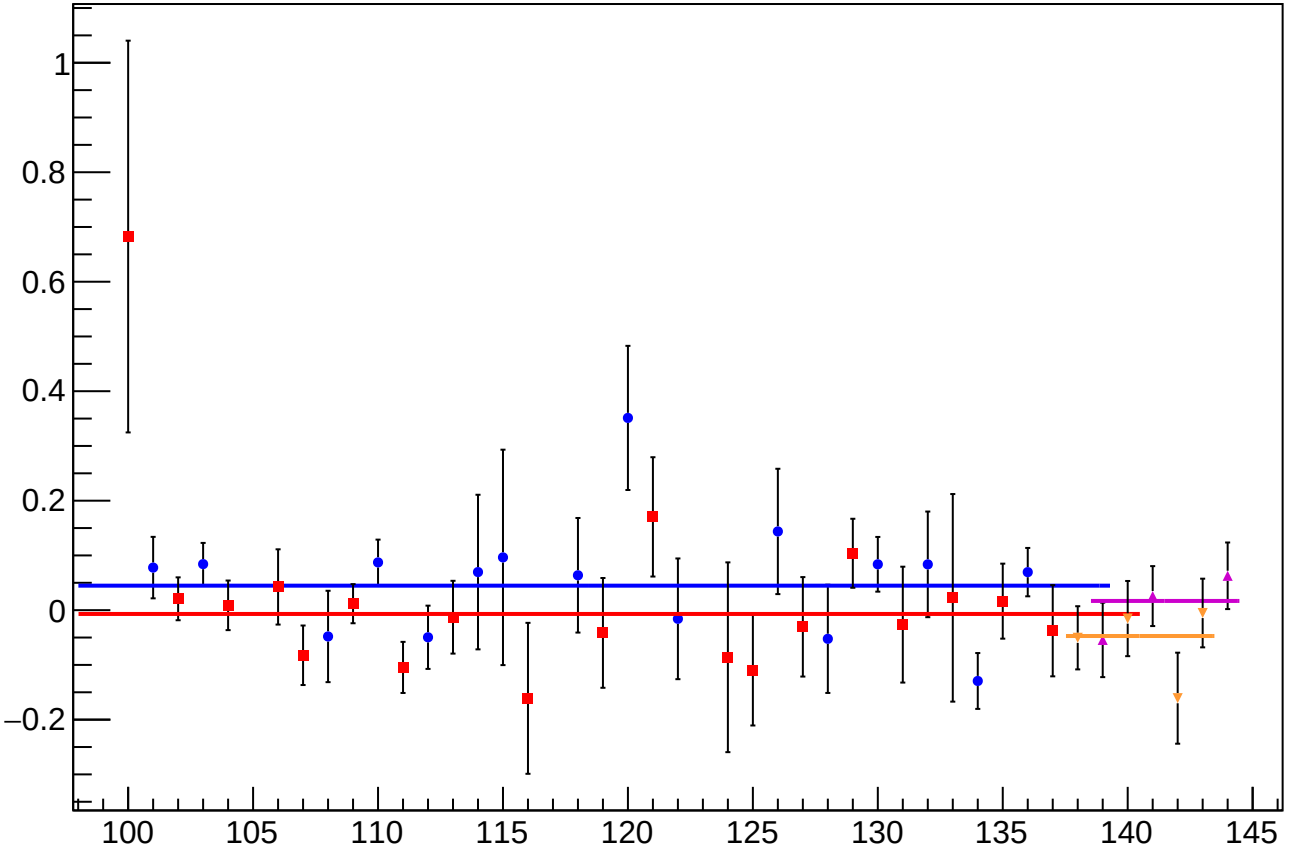
In: -0.000+/-0.000 χ^2/NDF:14.3/18

Out: 0.000+/-0.000 χ^2/NDF:23.4/22

All: -0.000+/-0.000 χ^2/NDF: 48.8/41


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:477122.3/3
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:199121.5/2
Left: 0.002+/-0.000 χ²/NDF: 681624.0/6
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:1785299.8/18
Out: 0.002+/-0.000 χ²/NDF:2250924.1/22
All: 0.002+/-0.000 χ²/NDF: 4057964.2/41

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.017+/-0.035 χ^2/NDF:1.7/2

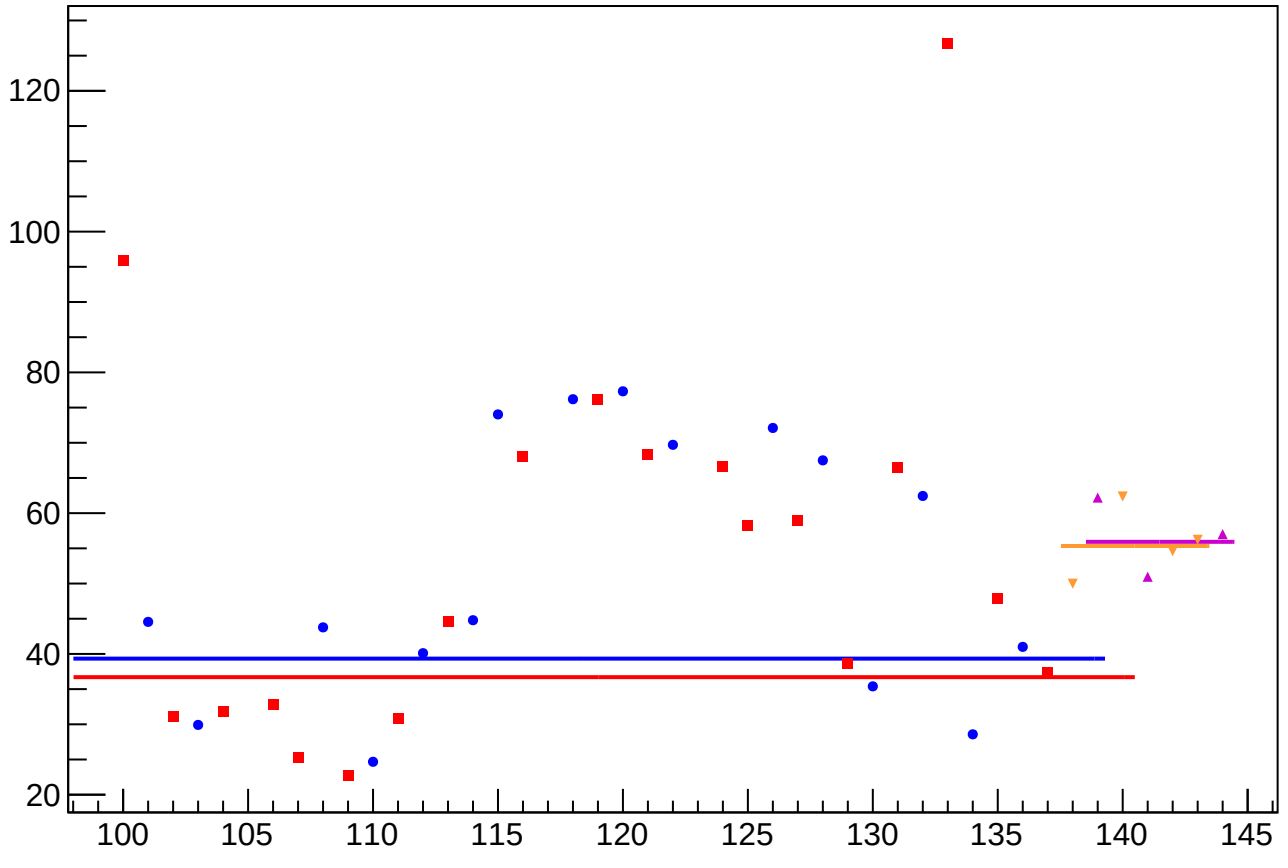
Left: -0.017+/-0.024 χ^2/NDF: 6.0/6

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.015 χ^2/NDF:28.8/18

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.011+/-0.010 χ^2/NDF: 60.0/41



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.332+/-0.023 χ^2/NDF:38801.3/3

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.928+/-0.025 χ^2/NDF:34146.3/2

Left: 55.615+/-0.017 χ^2/NDF: 73253.9/6

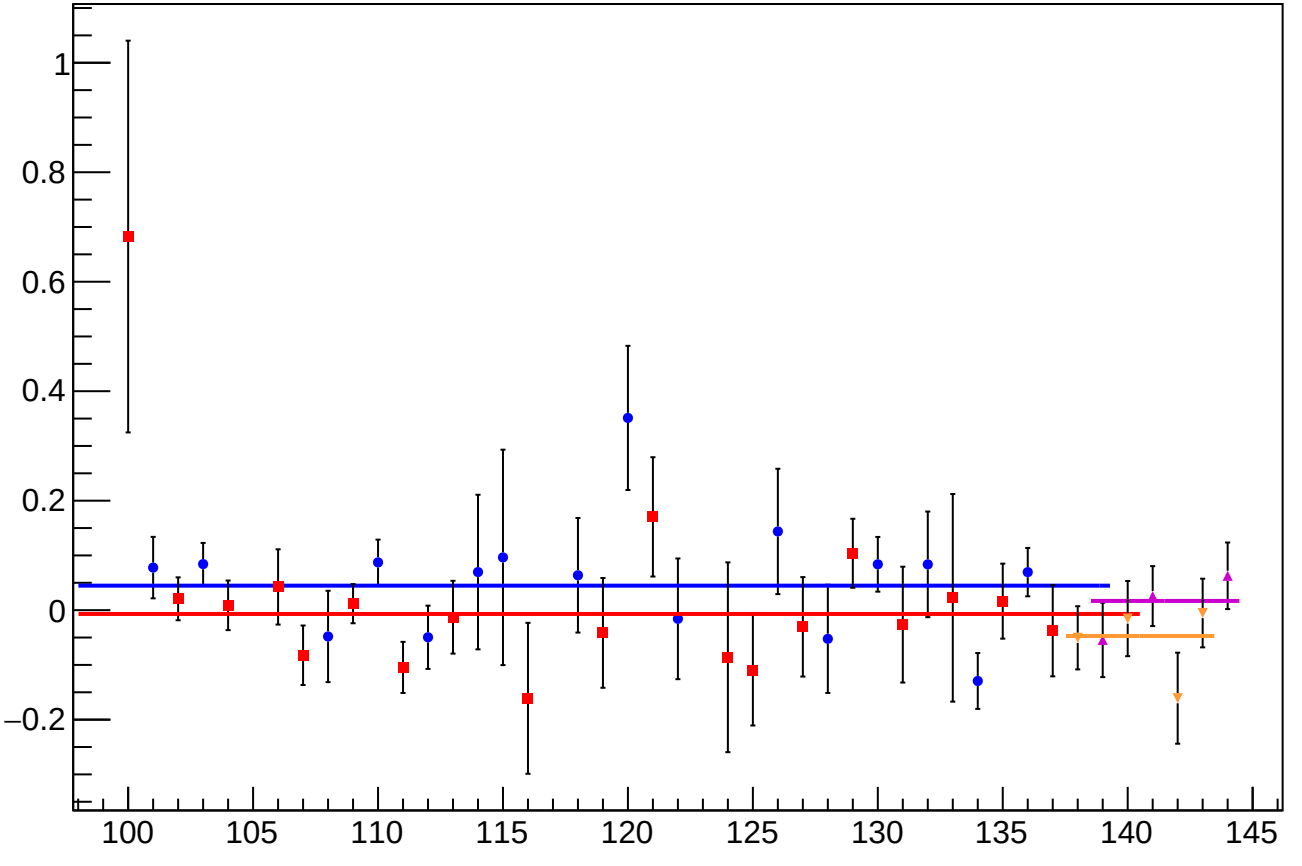
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 42.220+/-0.010 χ^2/NDF:1973807.5/18

Out: 39.908+/-0.010 χ^2/NDF:2659253.3/22

All: 40.998+/-0.007 χ^2/NDF: 4659707.1/41

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: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.017+/-0.035 χ^2/NDF:1.7/2

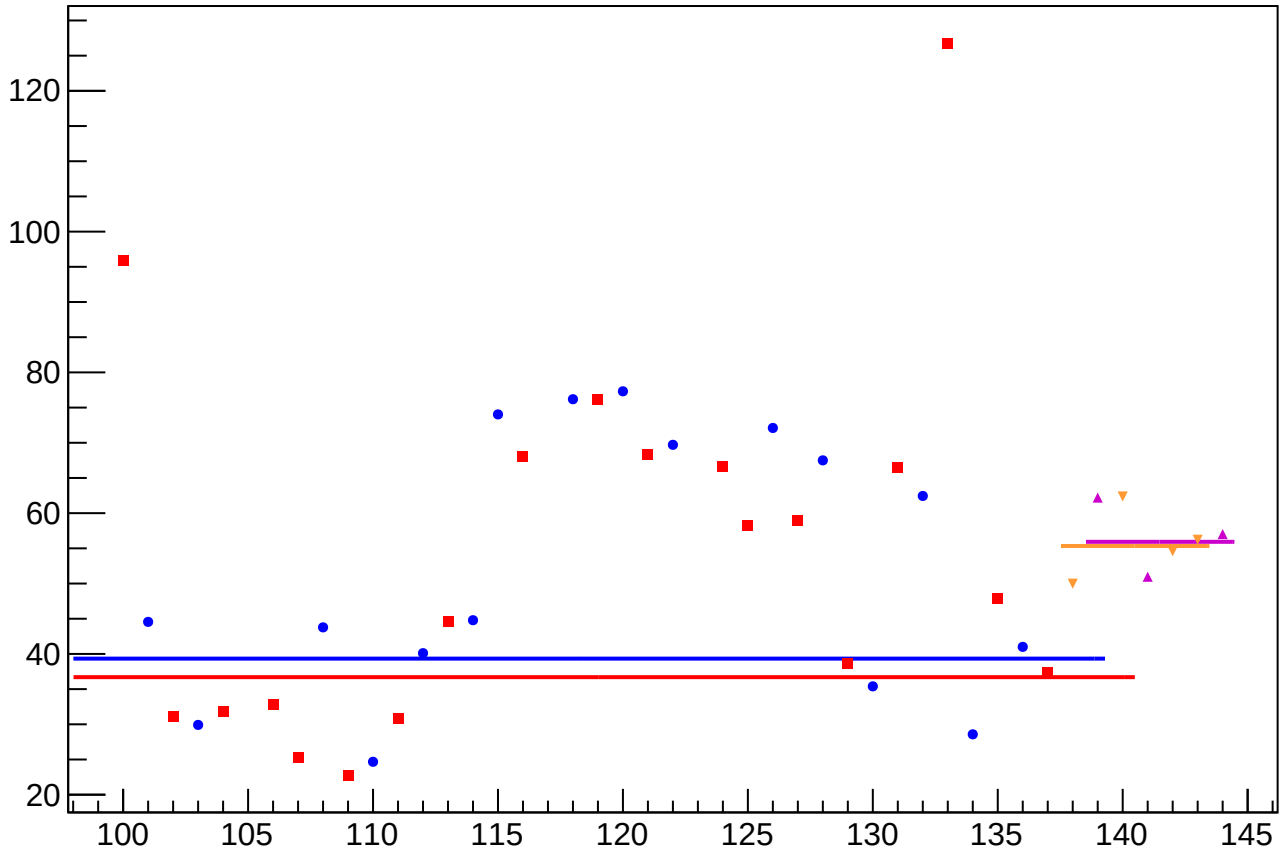
Left: -0.017+/-0.024 χ^2/NDF: 6.0/6

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.015 χ^2/NDF:28.8/18

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.011+/-0.010 χ^2/NDF: 60.0/41



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.332+/-0.023 χ^2/NDF:38801.3/3

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.928+/-0.025 χ^2/NDF:34146.3/2

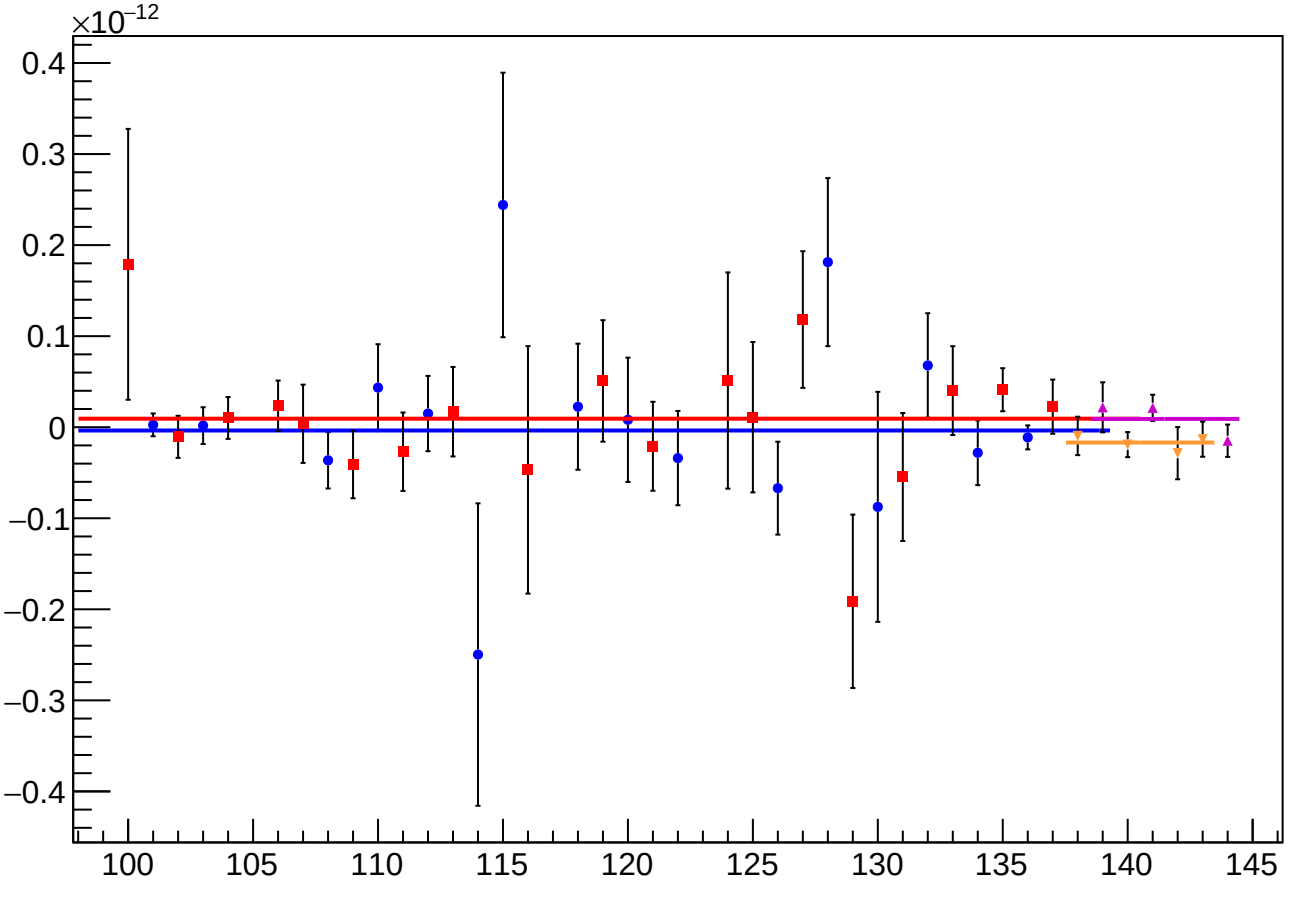
Left: 55.615+/-0.017 χ^2/NDF: 73253.9/6

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 42.220+/-0.010 χ^2/NDF:1973807.5/18

Out: 39.908+/-0.010 χ^2/NDF:2659253.3/22

All: 40.998+/-0.007 χ^2/NDF: 4659707.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/2

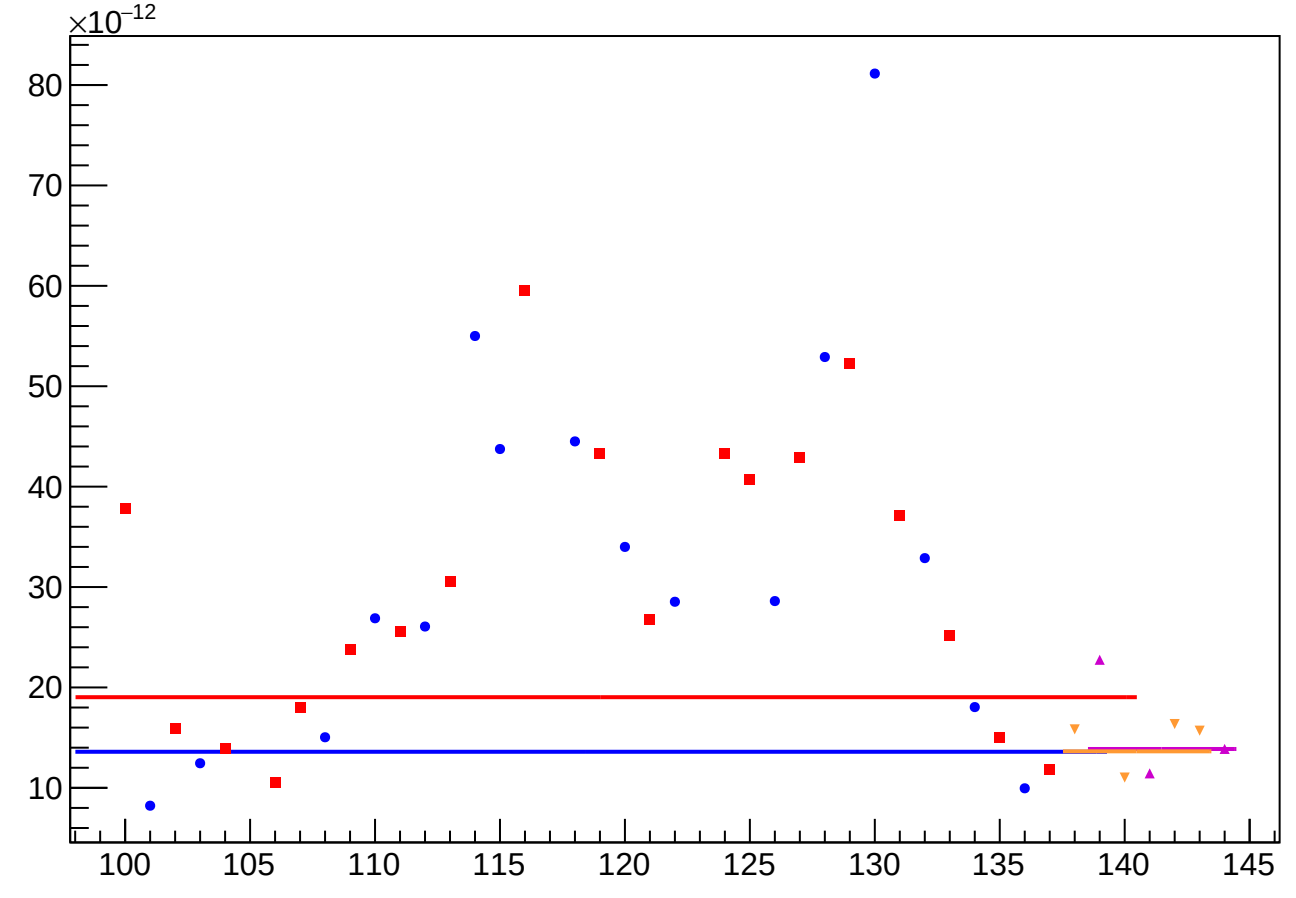
Left: -0.000+/-0.000 χ^2/NDF: 6.6/6

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.3/18

Out: -0.000+/-0.000 χ^2/NDF:20.1/22

All: -0.000+/-0.000 χ^2/NDF: 40.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:134076.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:265619.9/2

Left: 0.000+/-0.000 χ^2/NDF: 400253.7/6

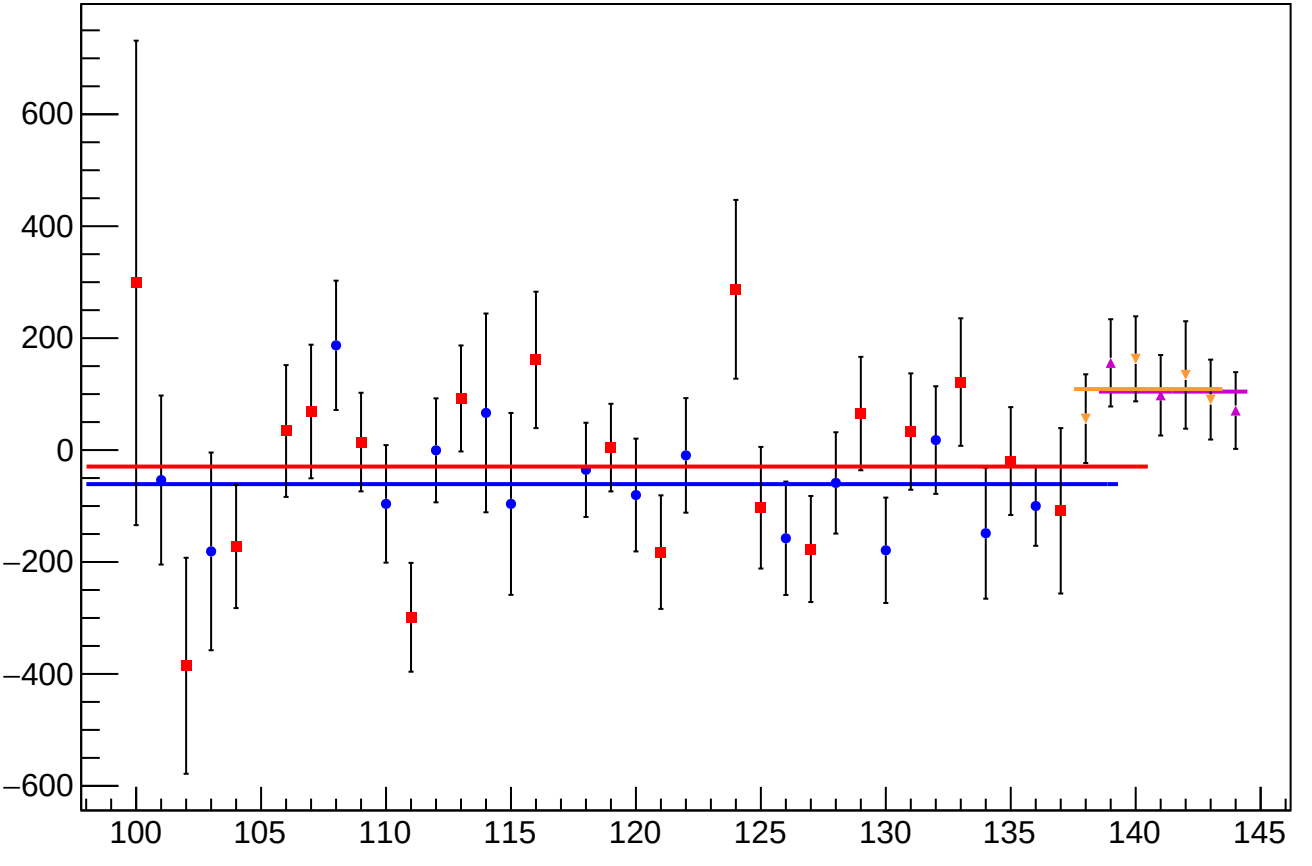
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:3453679.4/18

Out: 0.000+/-0.000 χ^2/NDF:2524860.4/22

All: 0.000+/-0.000 χ^2/NDF: 6170092.1/41

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.982+/-39.625 χ^2/NDF:1.1/3

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 104.465+/-41.862 χ^2/NDF:0.7/2

Left: 106.848+/-28.777 χ^2/NDF: 1.8/6

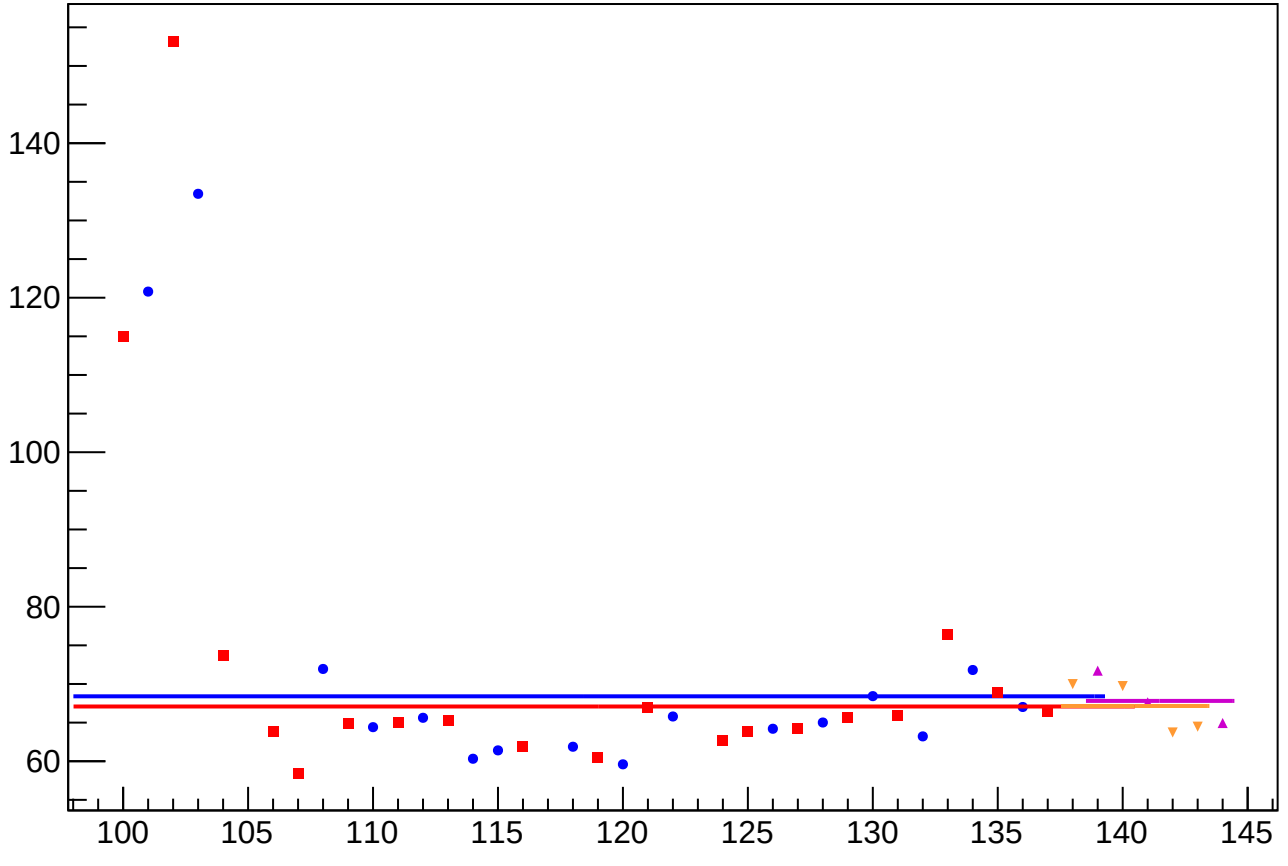
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: -14.692+/-22.120 χ^2/NDF:22.5/18

Out: 10.201+/-21.207 χ^2/NDF:41.0/22

All: -1.722+/-15.308 χ^2/NDF: 64.2/41

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

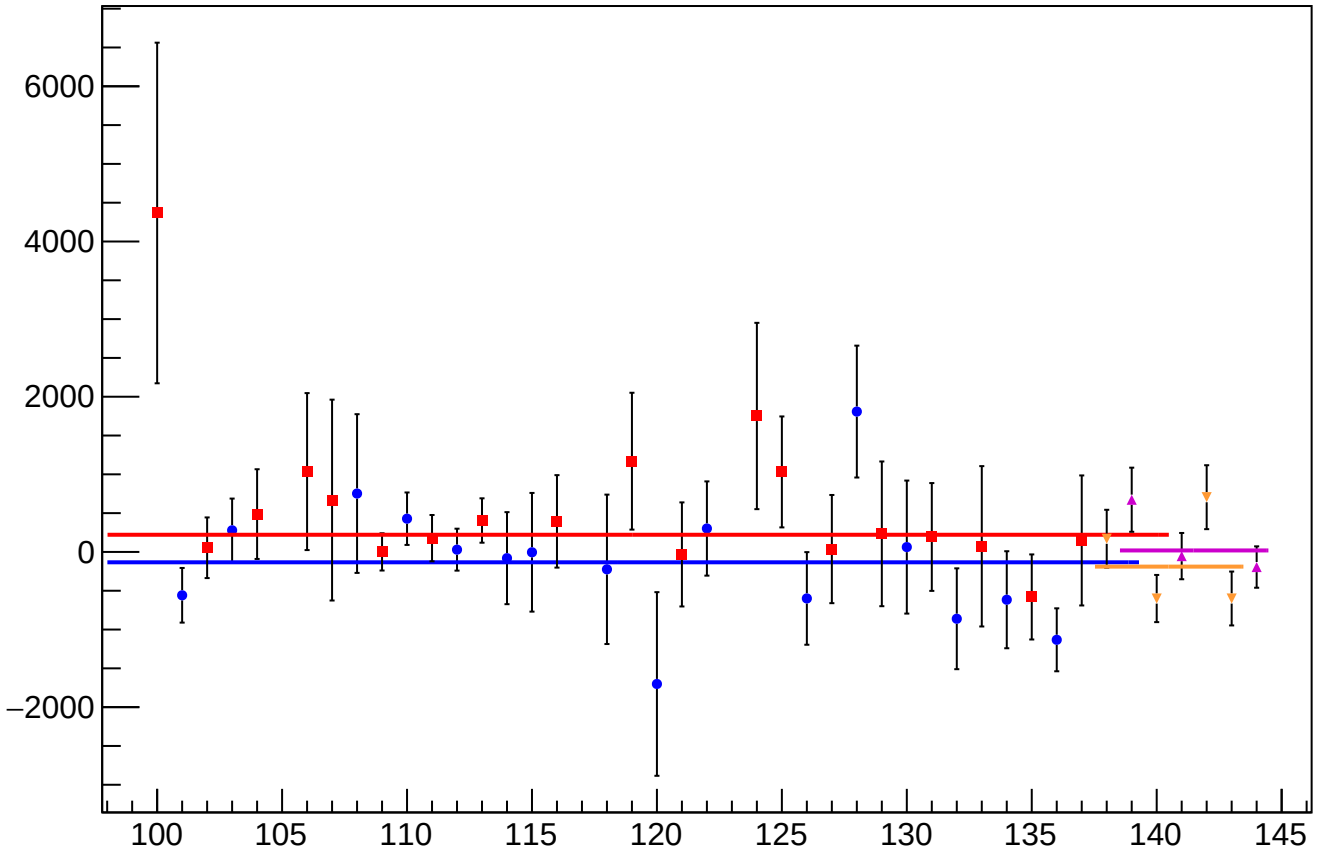
Left: 67.462+/-0.020 χ^2/NDF: 19018.6/6

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 68.238+/-0.016 χ^2/NDF:578389.3/18

Out: 67.104+/-0.015 χ^2/NDF:492033.4/22

All: 67.647+/-0.011 χ^2/NDF: 1073158.6/41



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.155+/-176.221 χ^2/NDF:8.9/3

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 19.293+/-179.119 χ^2/NDF:3.2/2

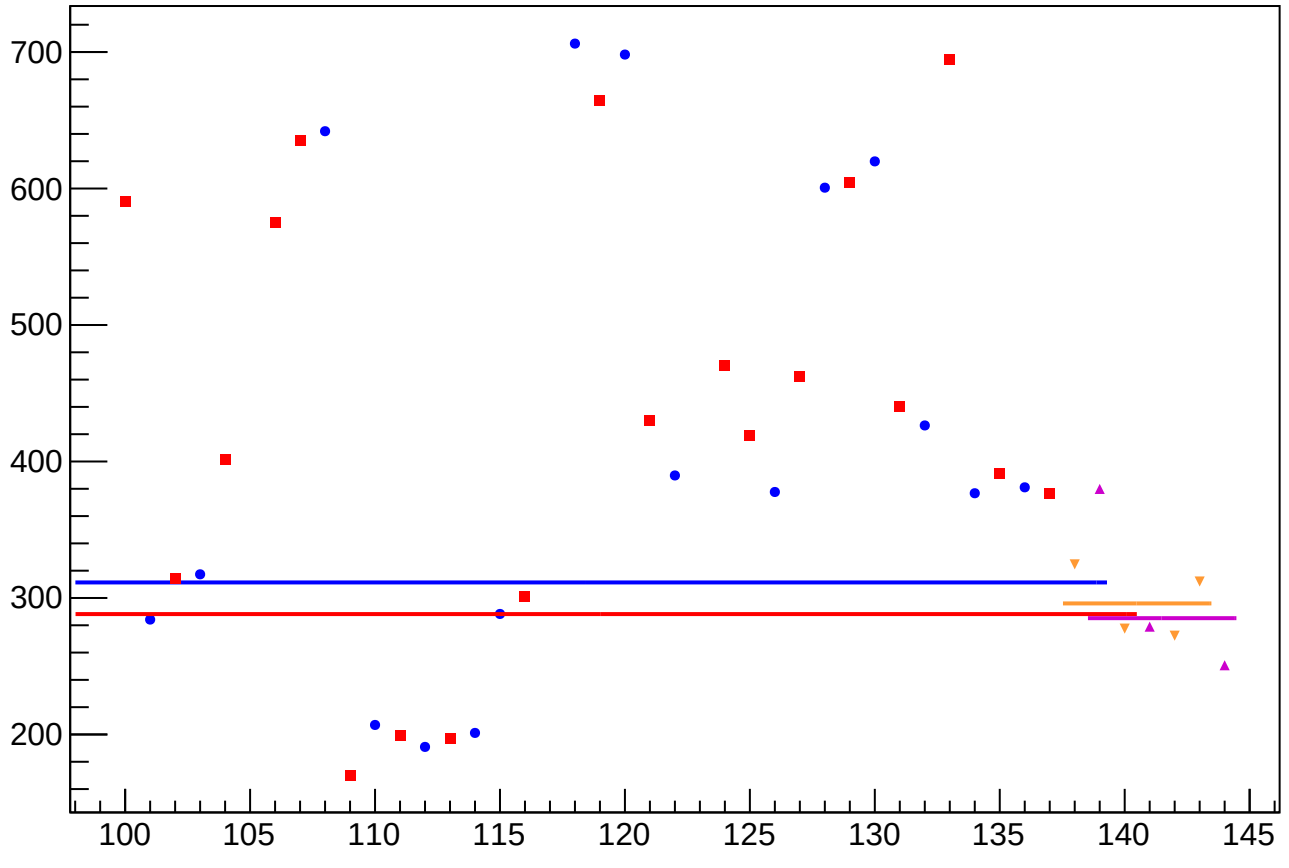
Left: -86.631+/-125.619 χ^2/NDF: 12.8/6

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -83.033+/-103.003 χ^2/NDF:26.2/18

Out: 94.573+/-97.923 χ^2/NDF:25.2/22

All: 10.258+/-70.970 χ^2/NDF: 52.9/41



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 296.012+/-0.125 χ^2/NDF:30010.6/3

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 285.209+/-0.127 χ^2/NDF:139442.8/2

Left: 290.698+/-0.089 χ^2/NDF: 173149.9/6

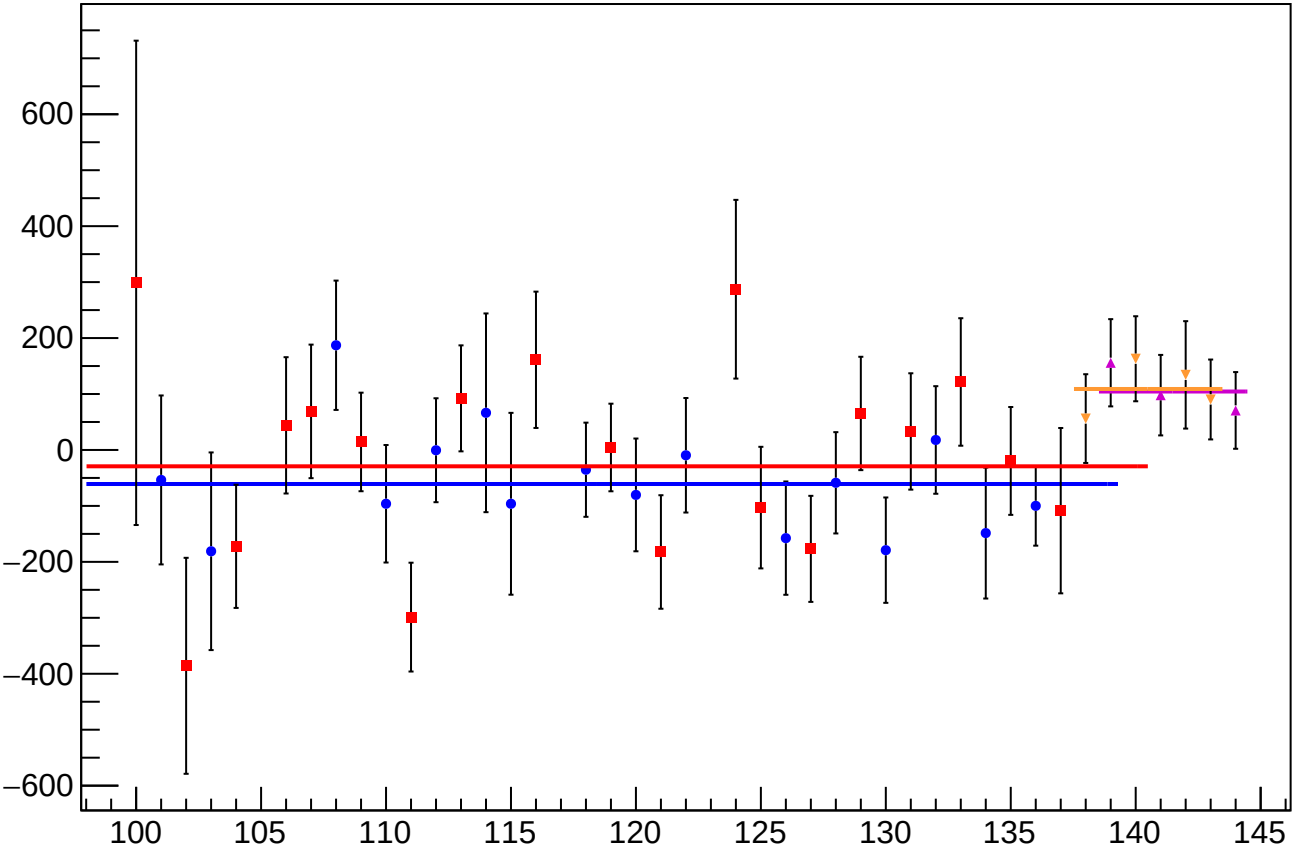
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 302.730+/-0.073 χ^2/NDF:2291830.5/18

Out: 290.615+/-0.069 χ^2/NDF:2748104.3/22

All: 296.366+/-0.050 χ^2/NDF: 5054465.9/41

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.460+/-41.862 χ^2/NDF:0.7/2

Left: 106.845+/-28.777 χ^2/NDF: 1.8/6

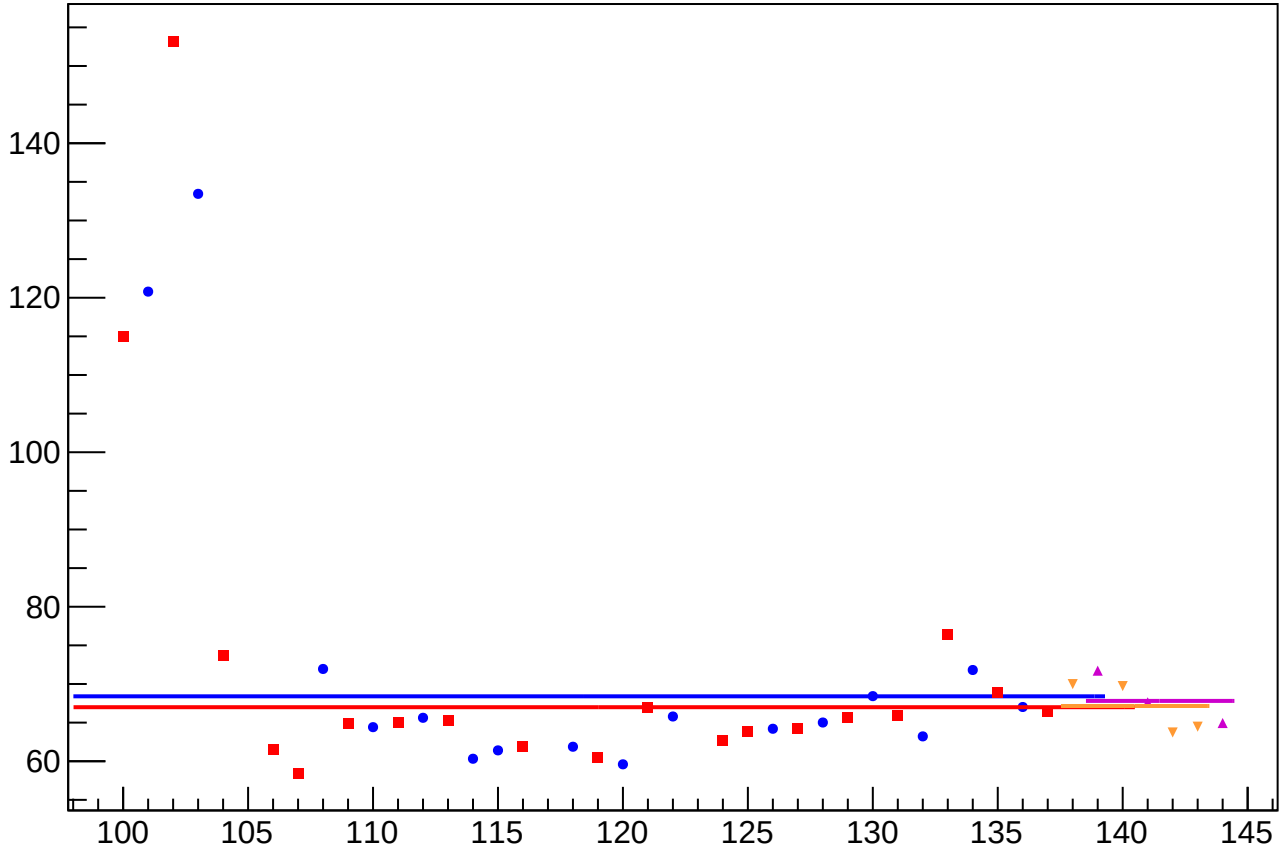
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -14.695+/-22.120 χ^2/NDF:22.5/18

Out: 10.451+/-21.230 χ^2/NDF:41.0/22

All: -1.606+/-15.317 χ^2/NDF: 64.2/41

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

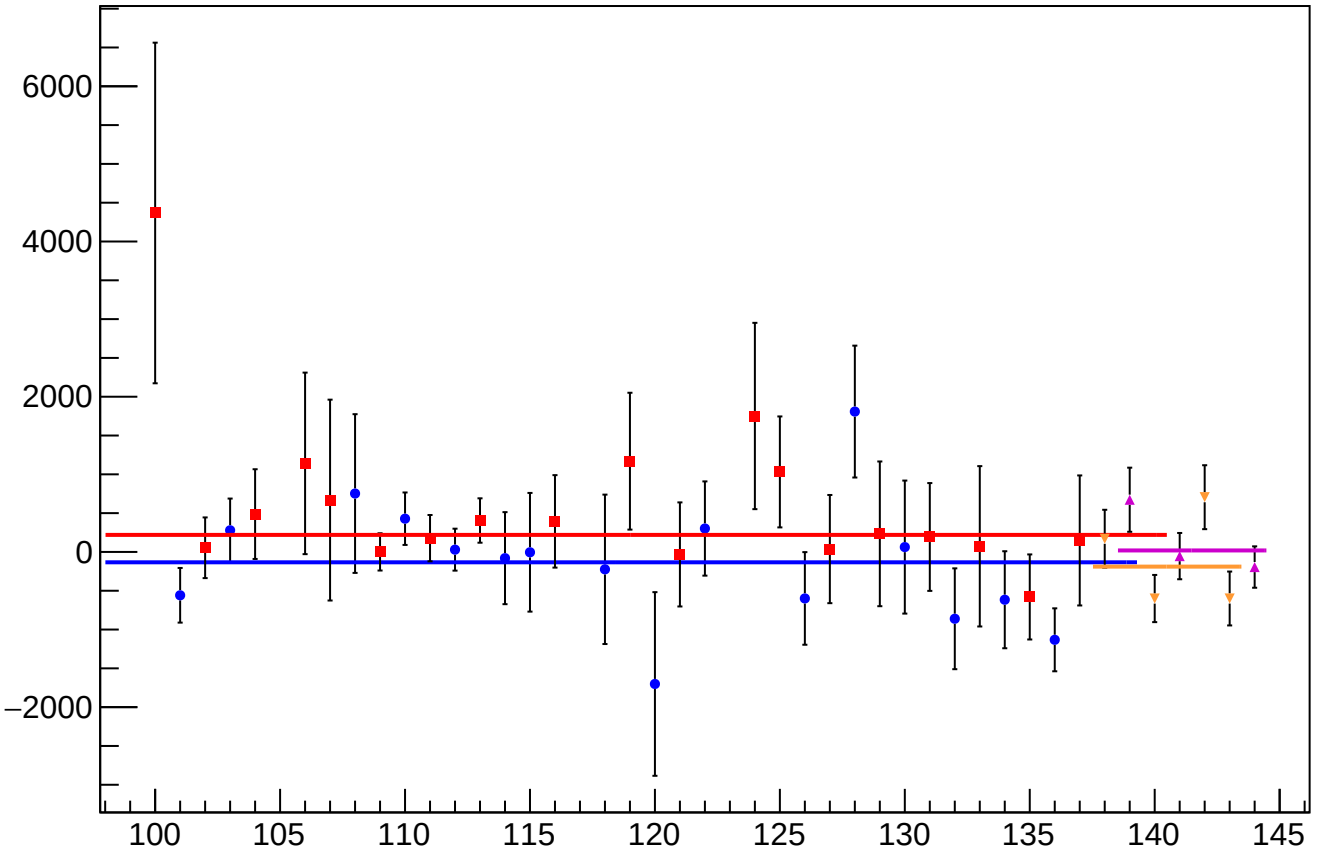
Left: 67.462+/-0.020 χ^2/NDF: 19018.6/6

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.238+/-0.016 χ^2/NDF:578389.7/18

Out: 67.039+/-0.015 χ^2/NDF:494724.2/22

All: 67.614+/-0.011 χ^2/NDF: 1076169.1/41



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 19.282+/-179.119 χ^2/NDF:3.2/2

Left: -86.635+/-125.619 χ^2/NDF: 12.8/6

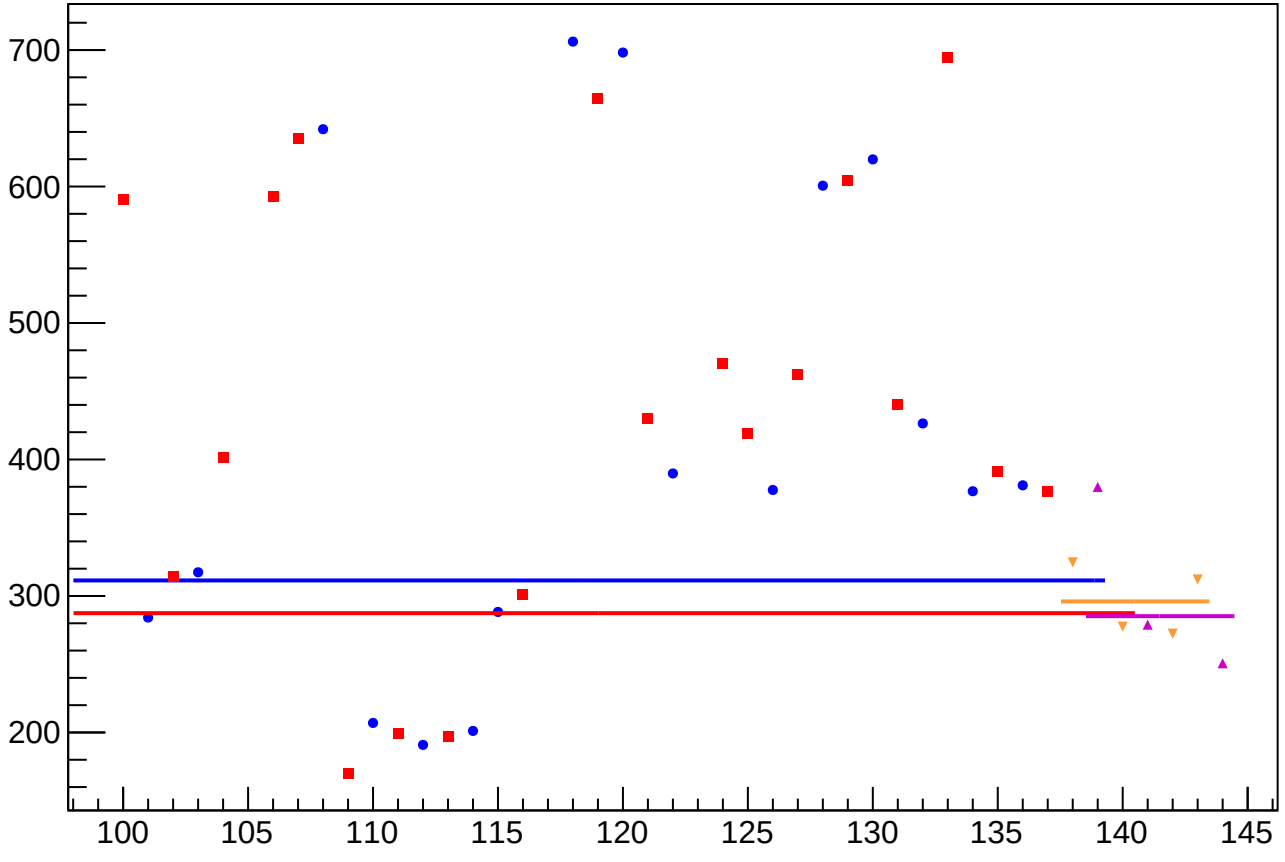
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -83.034+/-103.004 χ^2/NDF:26.2/18

Out: 93.087+/-98.042 χ^2/NDF:25.1/22

All: 9.370+/-71.016 χ^2/NDF: 52.8/41

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 285.210+/-0.127 χ^2/NDF:139443.0/2

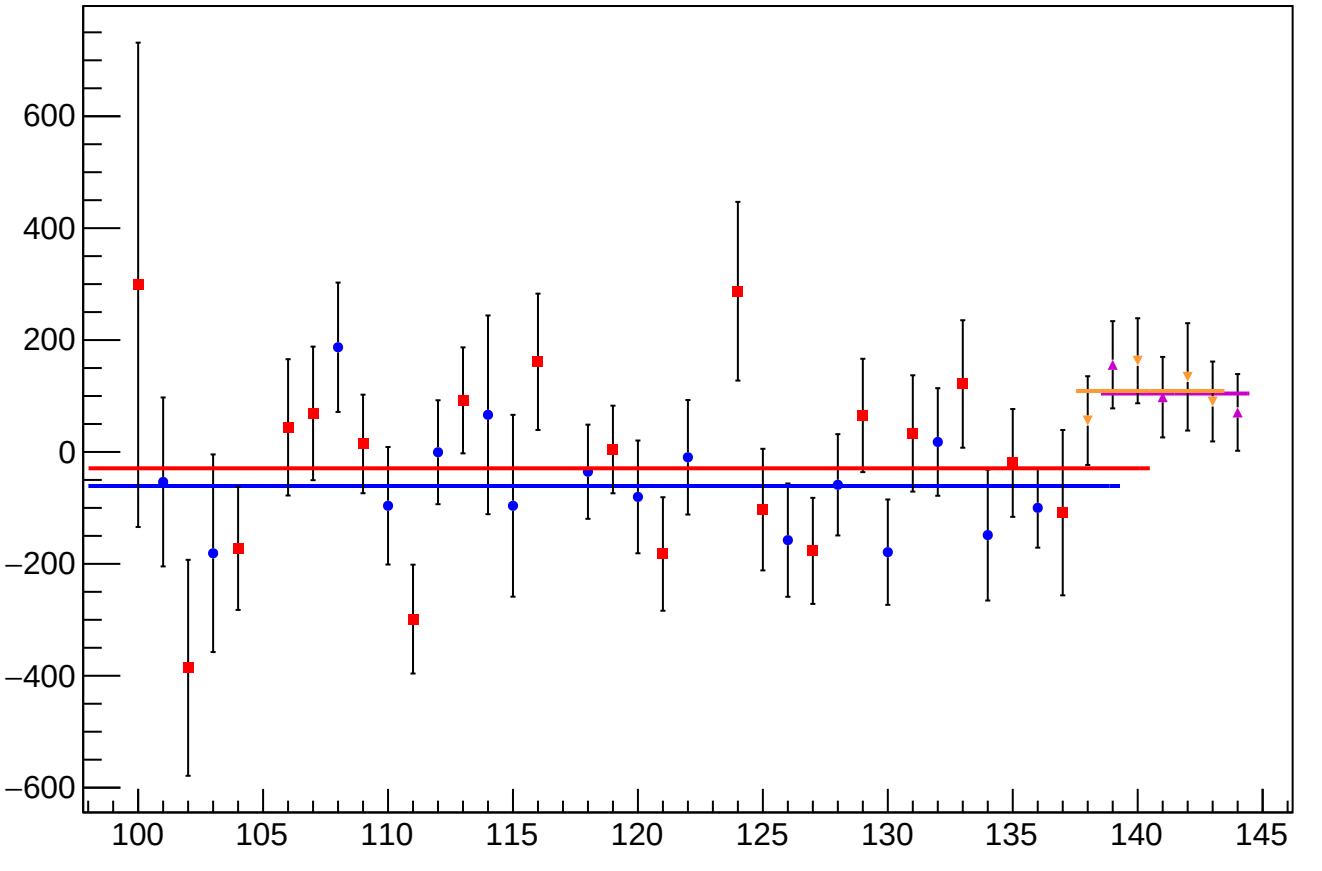
Left: 290.698+/-0.089 χ^2/NDF: 173148.8/6

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 302.731+/-0.073 χ^2/NDF:2291835.2/18

Out: 290.074+/-0.069 χ^2/NDF:2723555.3/22

All: 296.091+/-0.050 χ^2/NDF: 5031233.5/41



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 104.460+/-41.862 χ^2/NDF:0.7/2

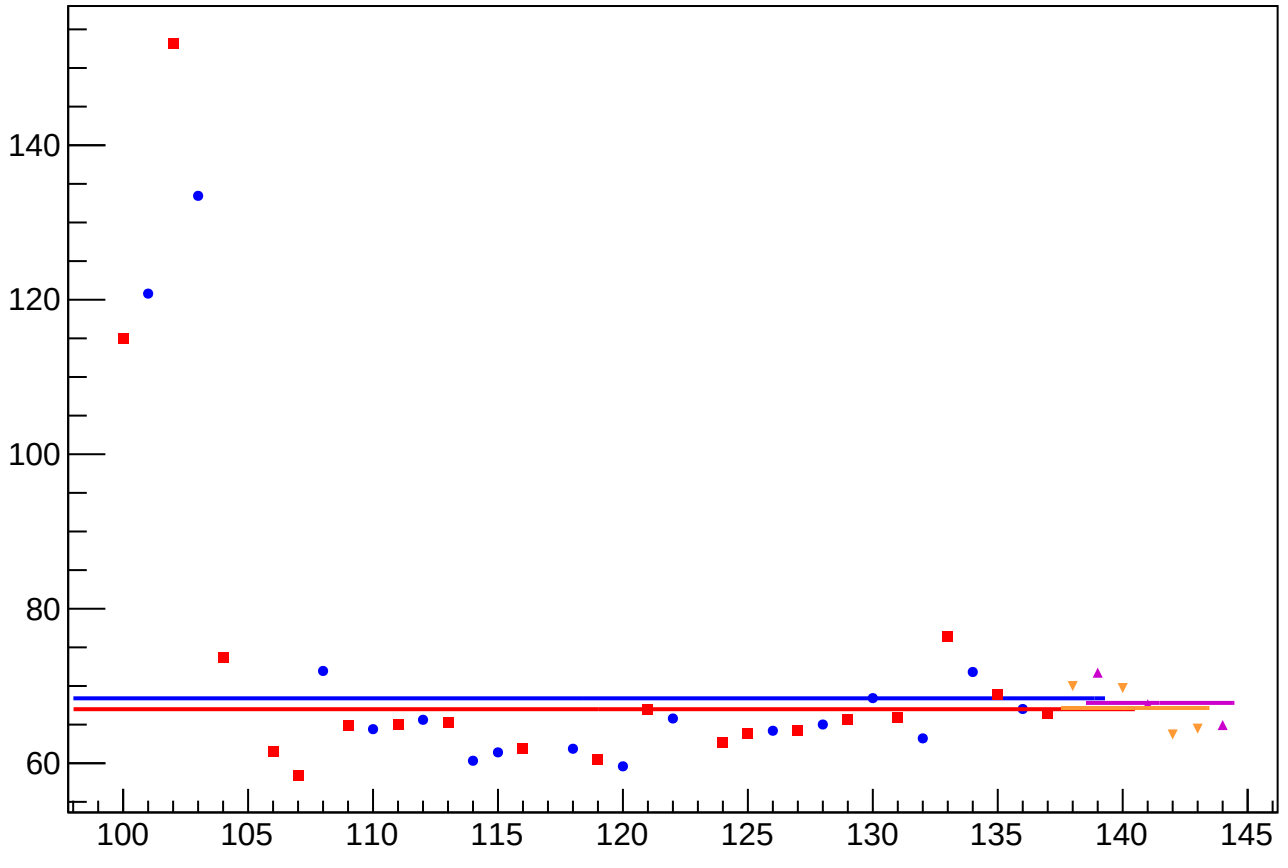
Left: 106.845+/-28.777 χ^2/NDF: 1.8/6

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -14.695+/-22.120 χ^2/NDF:22.5/18

Out: 10.451+/-21.230 χ^2/NDF:41.0/22

All: -1.606+/-15.317 χ^2/NDF: 64.2/41



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.810+/-0.030 χ^2/NDF:8542.3/2

Left: 67.462+/-0.020 χ^2/NDF: 19018.6/6

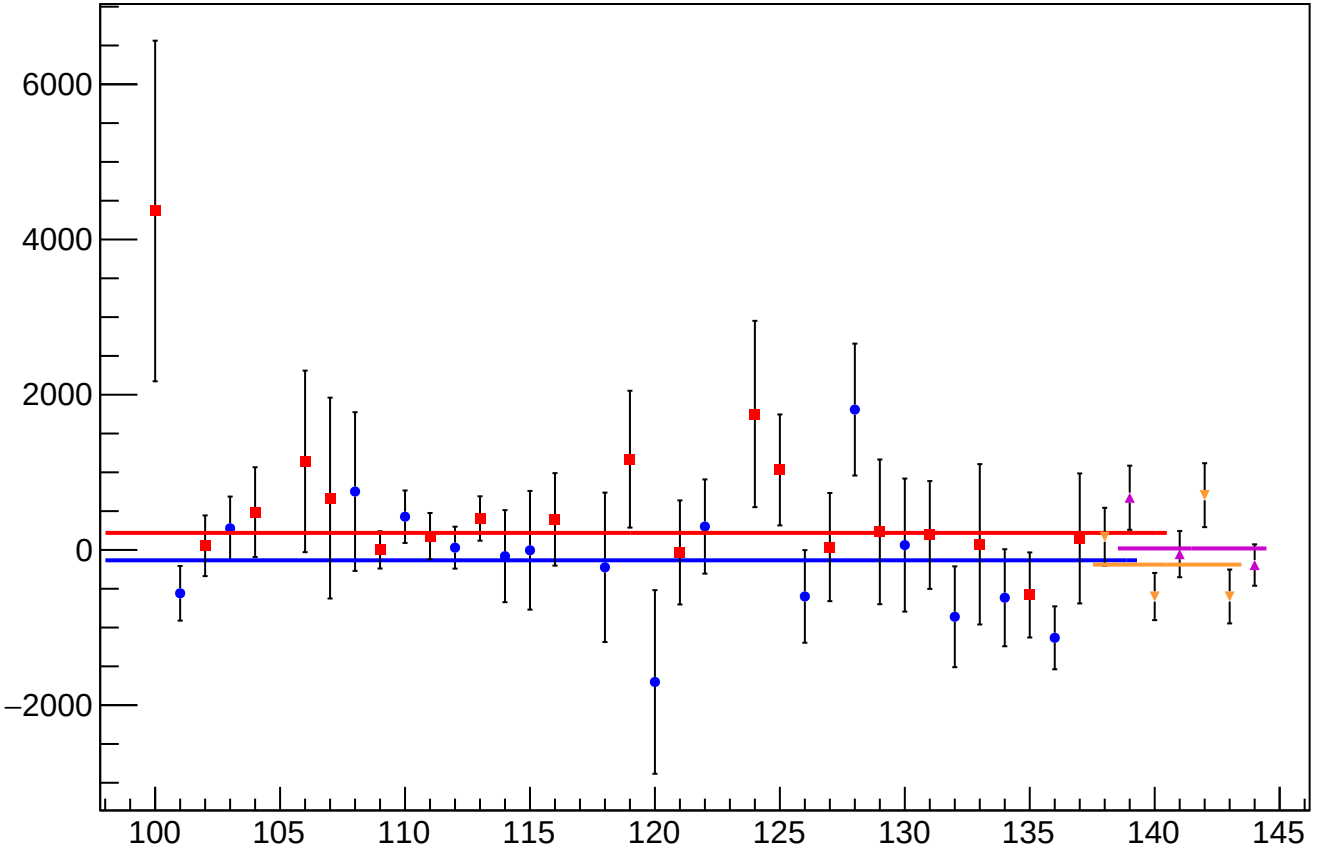
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.238+/-0.016 χ^2/NDF:578389.7/18

Out: 67.039+/-0.015 χ^2/NDF:494724.2/22

All: 67.614+/-0.011 χ^2/NDF: 1076169.1/41

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 19.282+/-179.119 χ^2/NDF:3.2/2

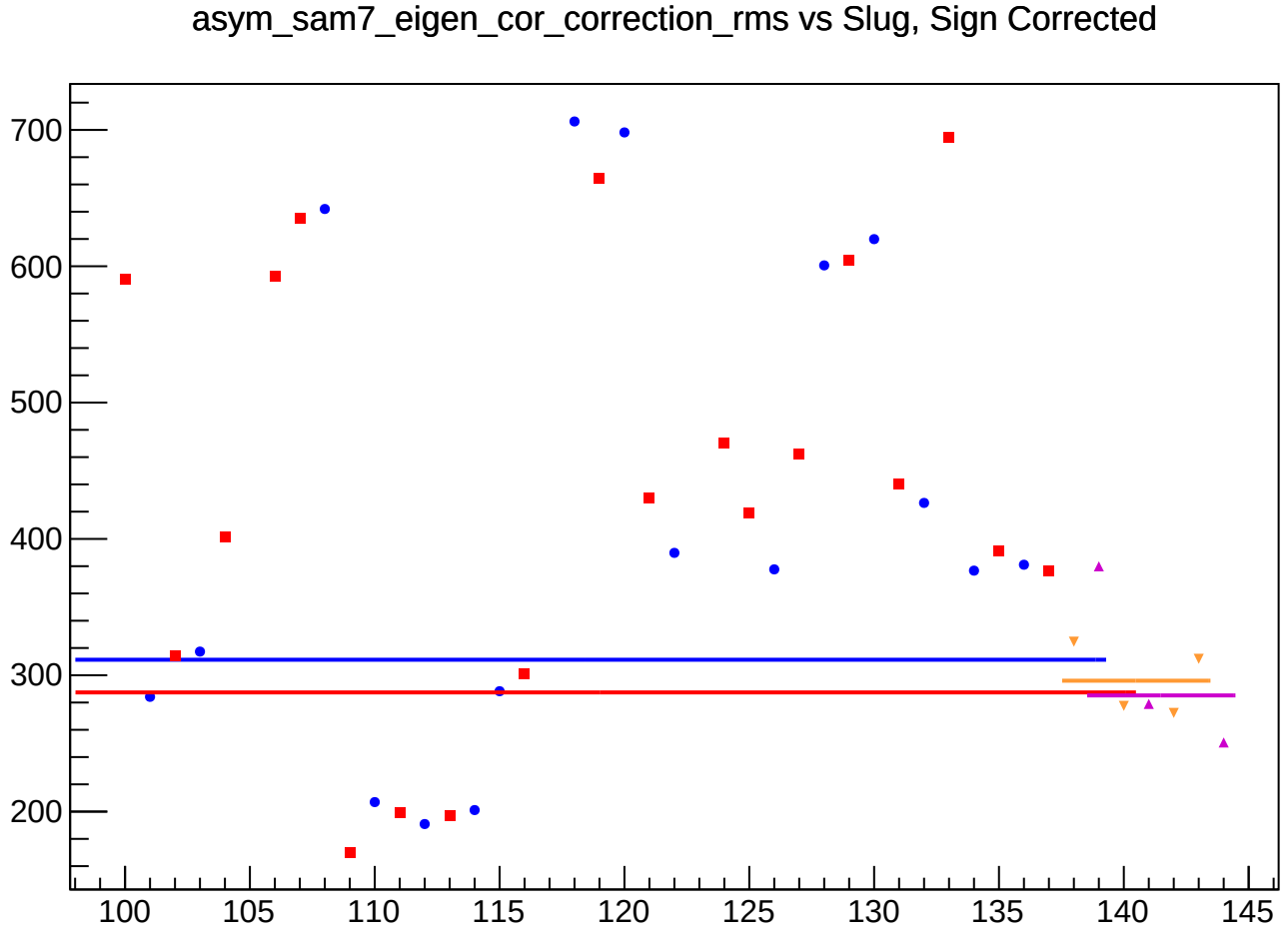
Left: -86.635+/-125.619 χ^2/NDF: 12.8/6

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -83.034+/-103.004 χ^2/NDF:26.2/18

Out: 93.087+/-98.042 χ^2/NDF:25.1/22

All: 9.370+/-71.016 χ^2/NDF: 52.8/41



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 285.210+/-0.127 χ^2/NDF:139443.0/2

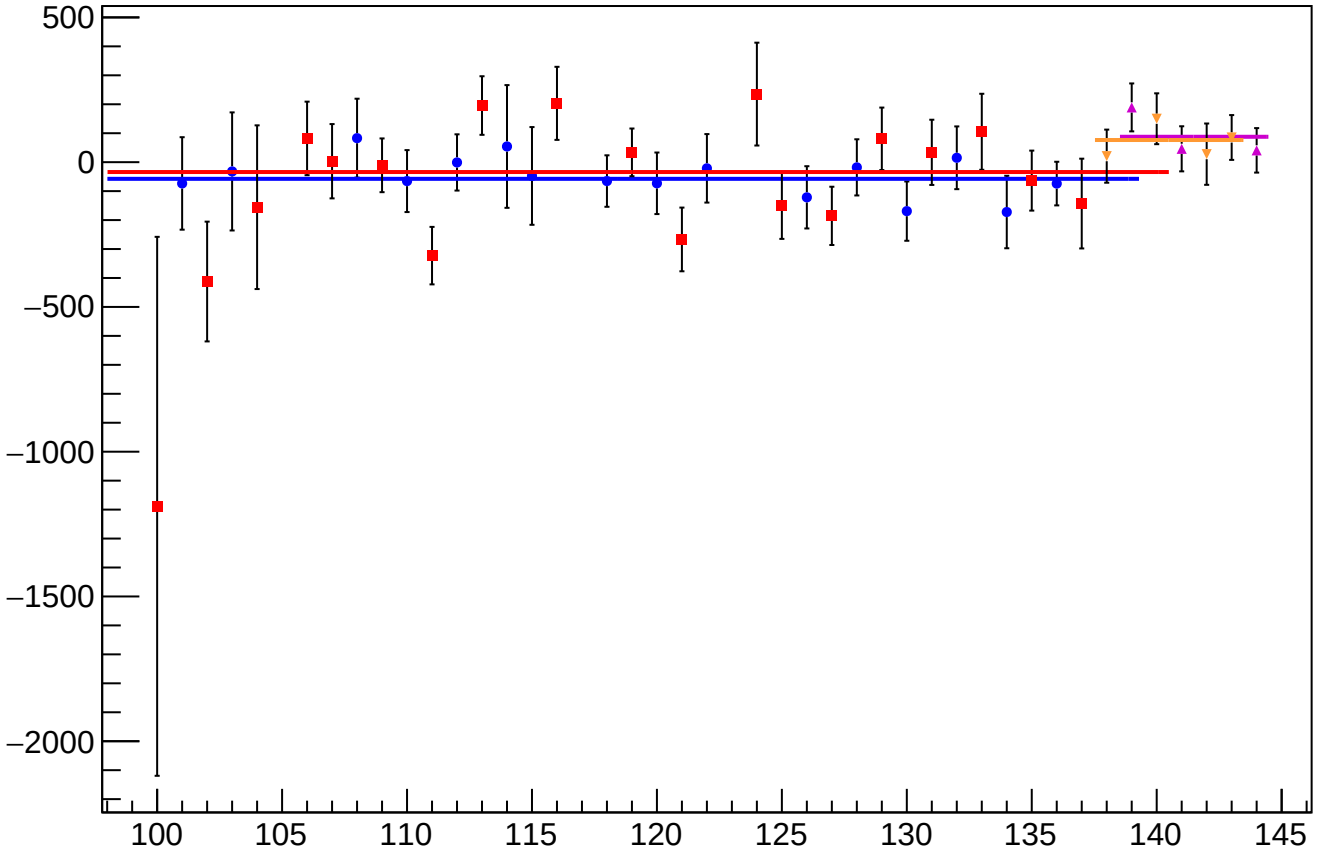
Left: 290.698+/-0.089 χ^2/NDF: 173148.8/6

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 302.731+/-0.073 χ^2/NDF:2291835.2/18

Out: 290.074+/-0.069 χ^2/NDF:2723555.3/22

All: 296.091+/-0.050 χ^2/NDF: 5031233.5/41



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.527+/-44.512 χ^2/NDF:1.3/3

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 87.735+/-45.626 χ^2/NDF:2.2/2

Left: 81.992+/-31.862 χ^2/NDF: 3.5/6

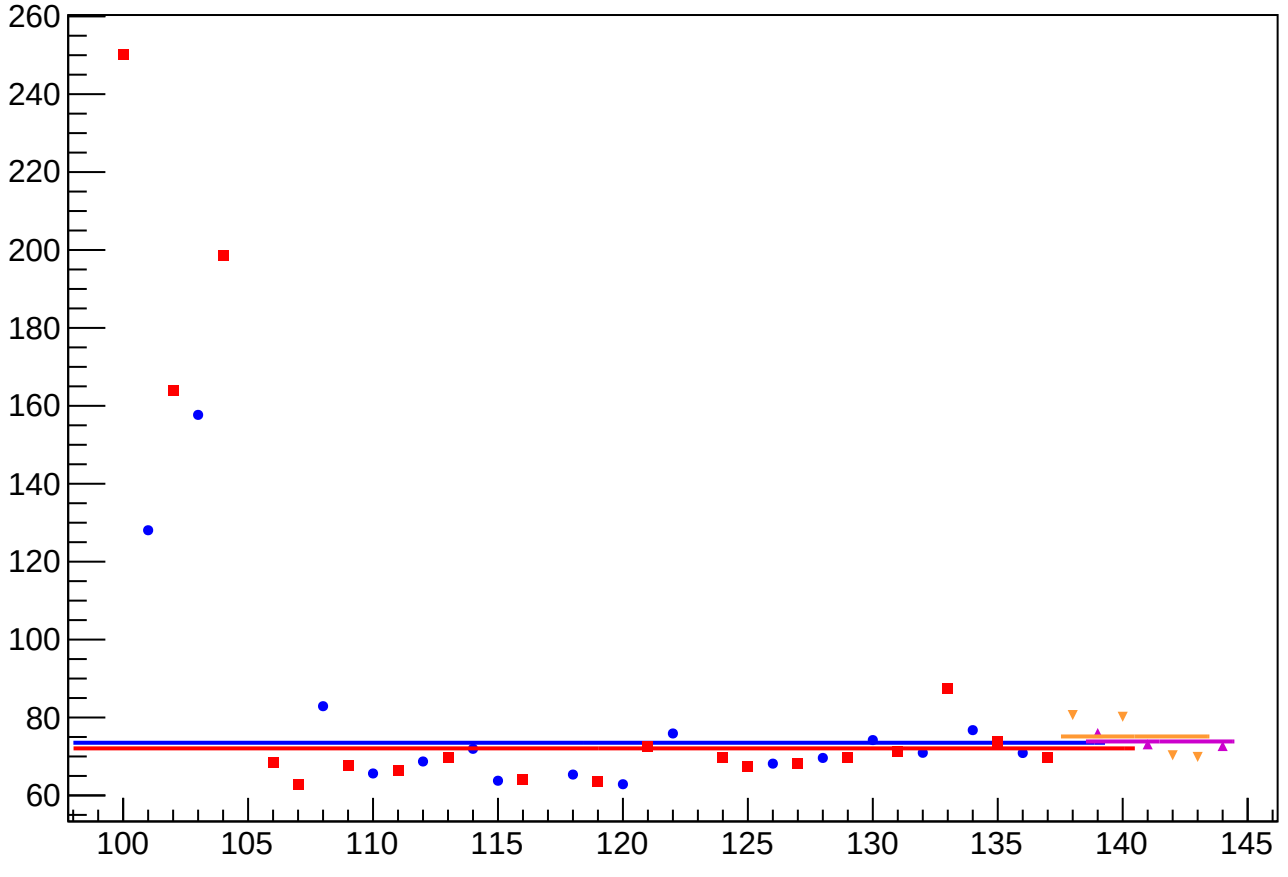
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -17.612+/-23.918 χ^2/NDF:14.4/18

Out: -3.655+/-23.332 χ^2/NDF:42.9/22

All: -10.461+/-16.702 χ^2/NDF: 57.5/41

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 75.132+/-0.031 χ^2/NDF:27178.7/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 73.850+/-0.032 χ^2/NDF:2008.8/2

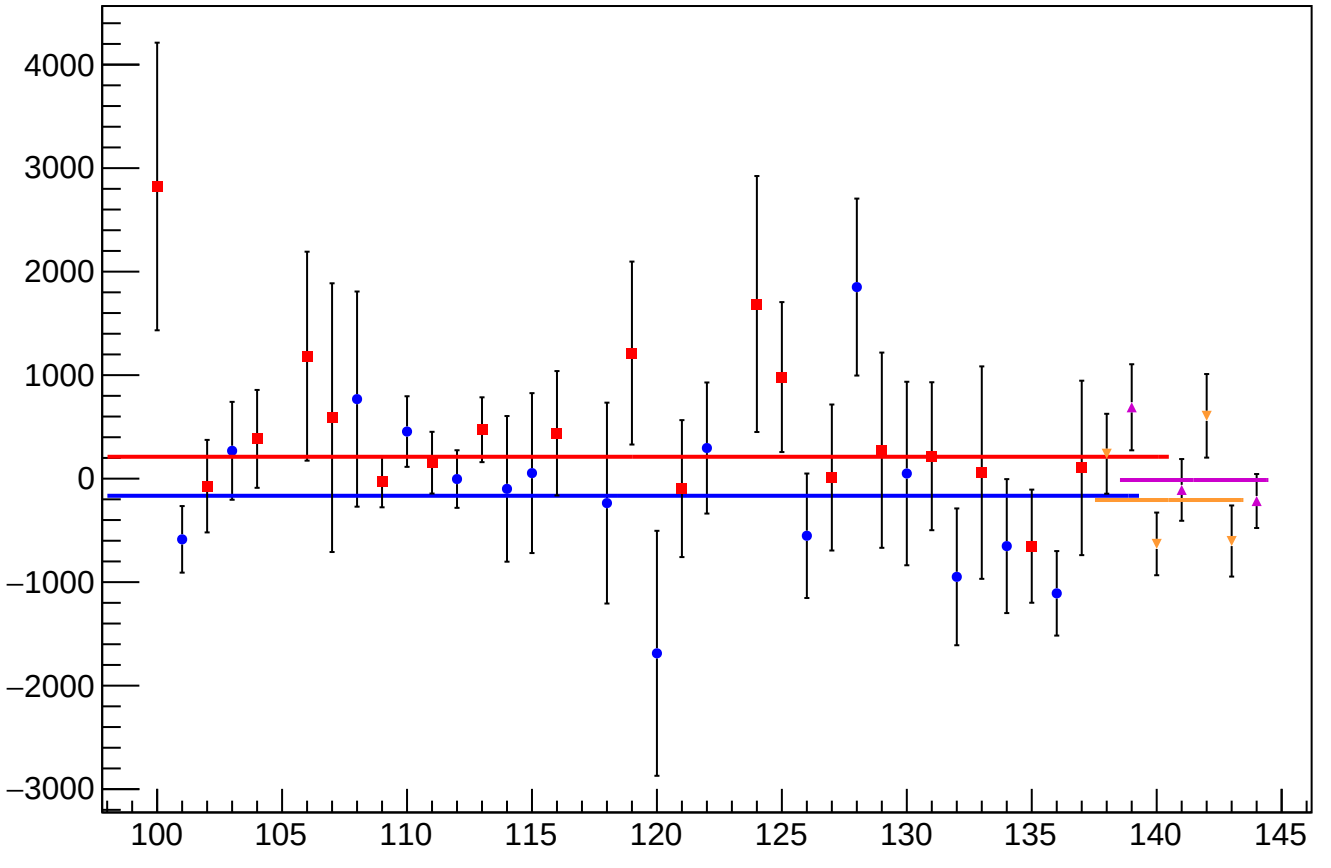
Left: 74.507+/-0.023 χ^2/NDF: 29997.2/6

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.610+/-0.017 χ^2/NDF:658932.6/18

Out: 72.914+/-0.016 χ^2/NDF:992521.2/22

All: 73.253+/-0.012 χ^2/NDF: 1652320.7/41



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -206.416+/-176.144 χ^2/NDF:8.7/3

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -13.123+/-177.512 χ^2/NDF:3.6/2

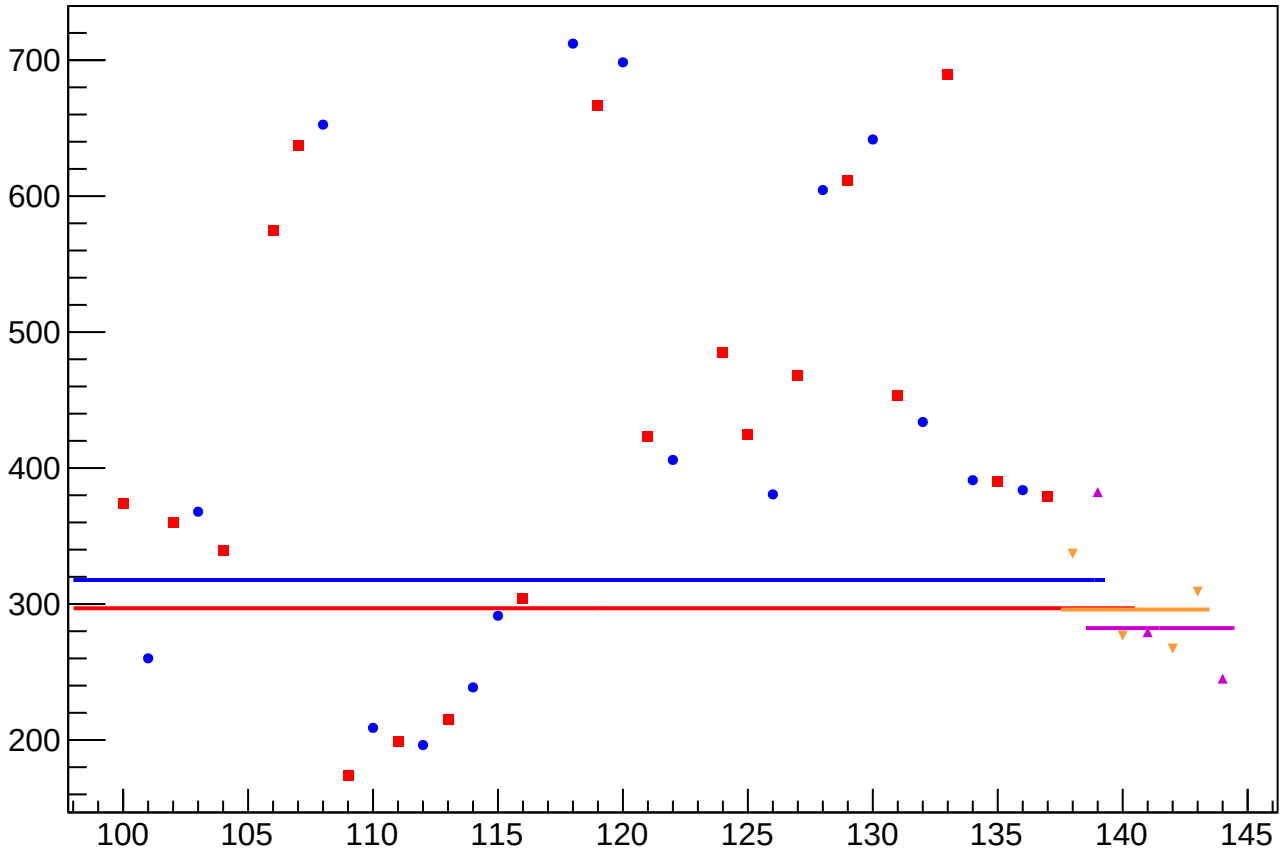
Left: -110.517+/-125.033 χ^2/NDF: 12.9/6

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -113.139+/-104.056 χ^2/NDF:26.7/18

Out: 78.735+/-99.242 χ^2/NDF:26.1/22

All: -12.660+/-71.816 χ^2/NDF: 54.6/41



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.6/3

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 282.299+/-0.126 χ^2/NDF:156601.5/2

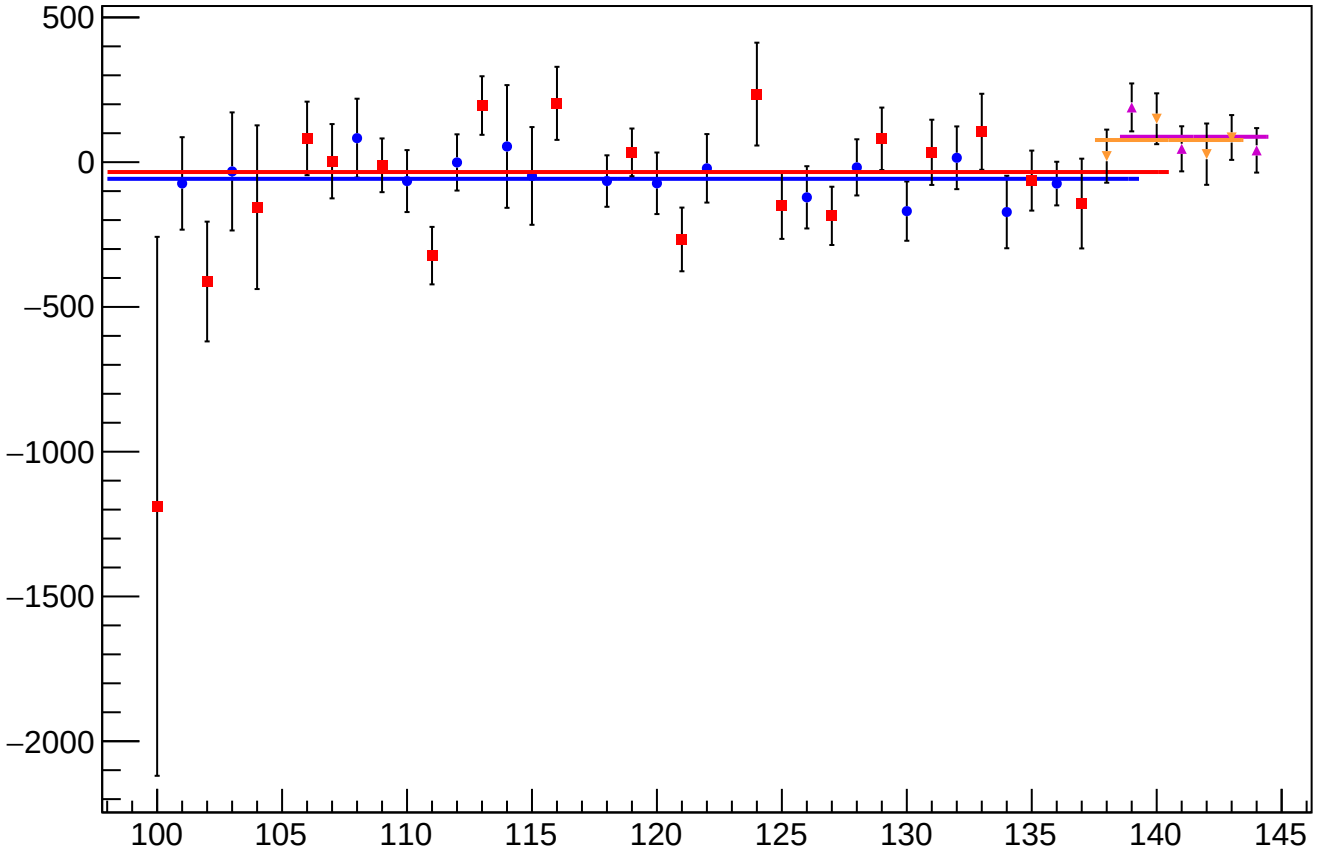
Left: 289.192+/-0.088 χ^2/NDF: 206252.6/6

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 305.512+/-0.074 χ^2/NDF:2344900.0/18

Out: 296.600+/-0.070 χ^2/NDF:2584741.1/22

All: 300.845+/-0.051 χ^2/NDF: 4937323.0/41



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.525+/-44.512 χ^2/NDF:1.3/3

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 87.735+/-45.626 χ^2/NDF:2.2/2

Left: 81.992+/-31.862 χ^2/NDF: 3.5/6

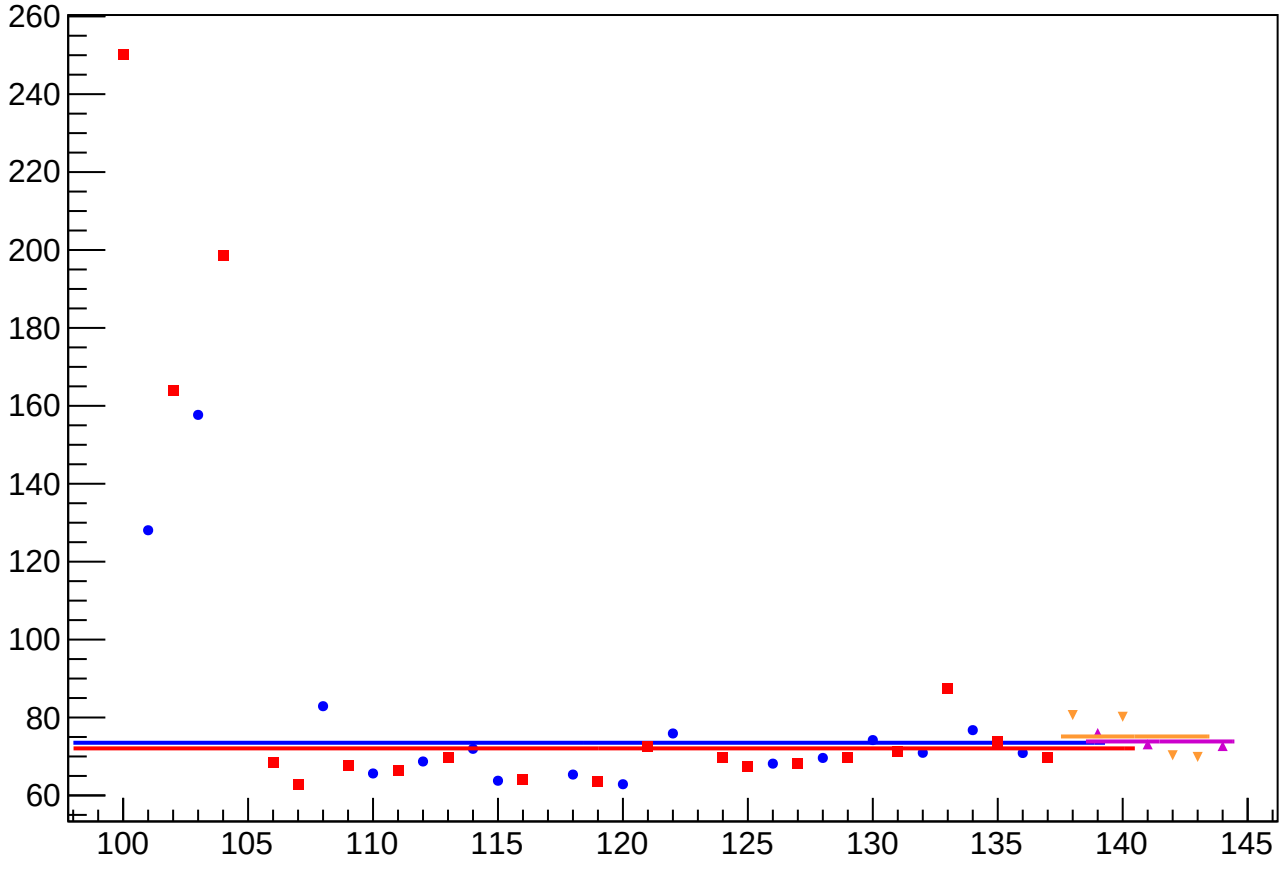
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -17.612+/-23.918 χ^2/NDF:14.4/18

Out: -3.656+/-23.332 χ^2/NDF:42.9/22

All: -10.461+/-16.702 χ^2/NDF: 57.5/41

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 75.132+/-0.031 χ^2/NDF:27177.8/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 73.850+/-0.032 χ^2/NDF:2008.6/2

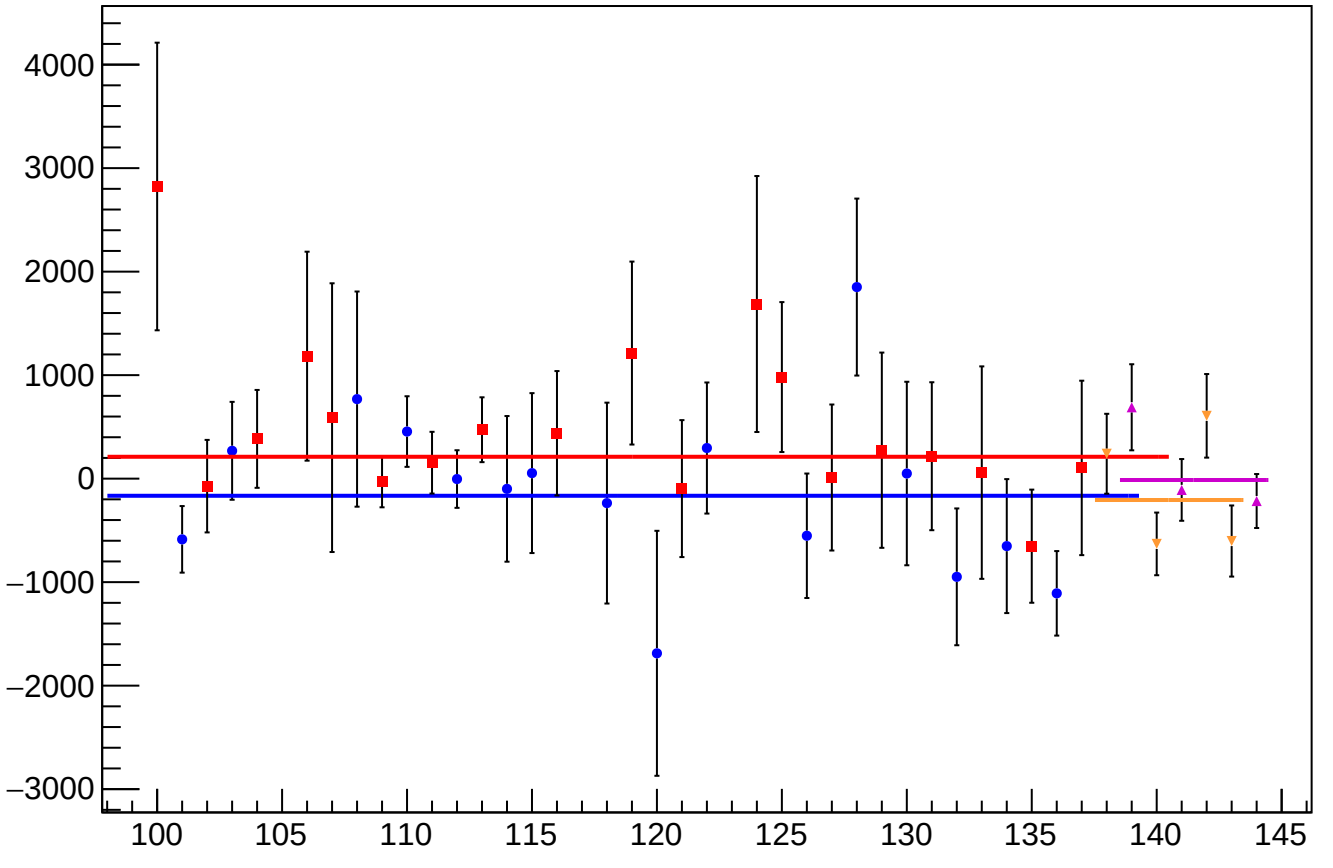
Left: 74.507+/-0.023 χ^2/NDF: 29996.0/6

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.610+/-0.017 χ^2/NDF:658934.2/18

Out: 72.914+/-0.016 χ^2/NDF:992522.3/22

All: 73.253+/-0.012 χ^2/NDF: 1652323.3/41



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -206.417+/-176.144 χ^2/NDF:8.7/3

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -13.122+/-177.511 χ^2/NDF:3.6/2

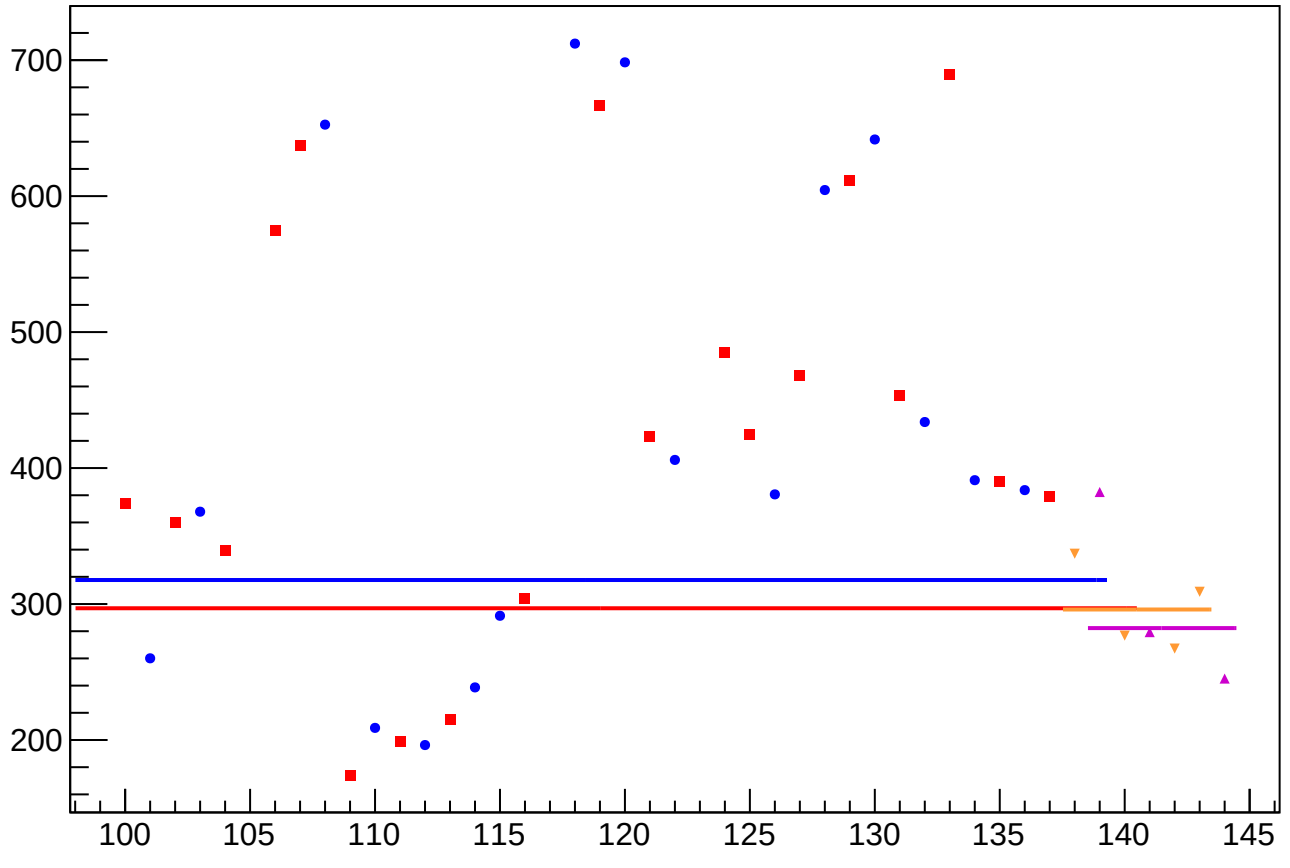
Left: -110.517+/-125.033 χ^2/NDF: 12.9/6

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -113.139+/-104.056 χ^2/NDF:26.7/18

Out: 78.735+/-99.241 χ^2/NDF:26.1/22

All: -12.660+/-71.816 χ^2/NDF: 54.6/41



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.3/3

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 282.298+/-0.126 χ^2/NDF:156602.5/2

Left: 289.192+/-0.088 χ^2/NDF: 206253.4/6

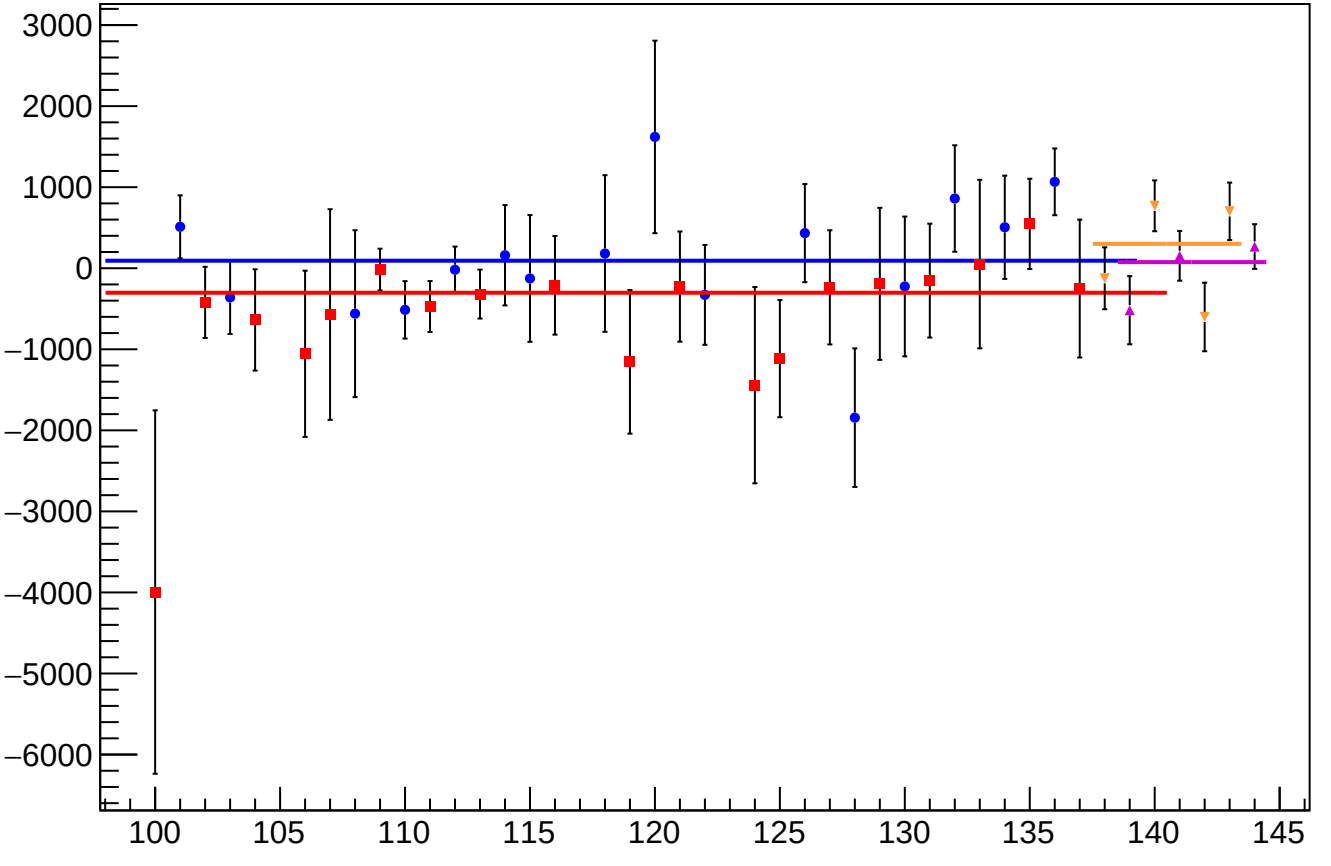
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 305.510+/-0.074 χ^2/NDF:2344927.2/18

Out: 296.599+/-0.070 χ^2/NDF:2584751.6/22

All: 300.843+/-0.051 χ^2/NDF: 4937359.8/41

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 300.976+/-180.895 χ^2/NDF:9.3/3

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 75.401+/-184.386 χ^2/NDF:2.5/2

Left: 190.344+/-129.129 χ^2/NDF: 12.6/6

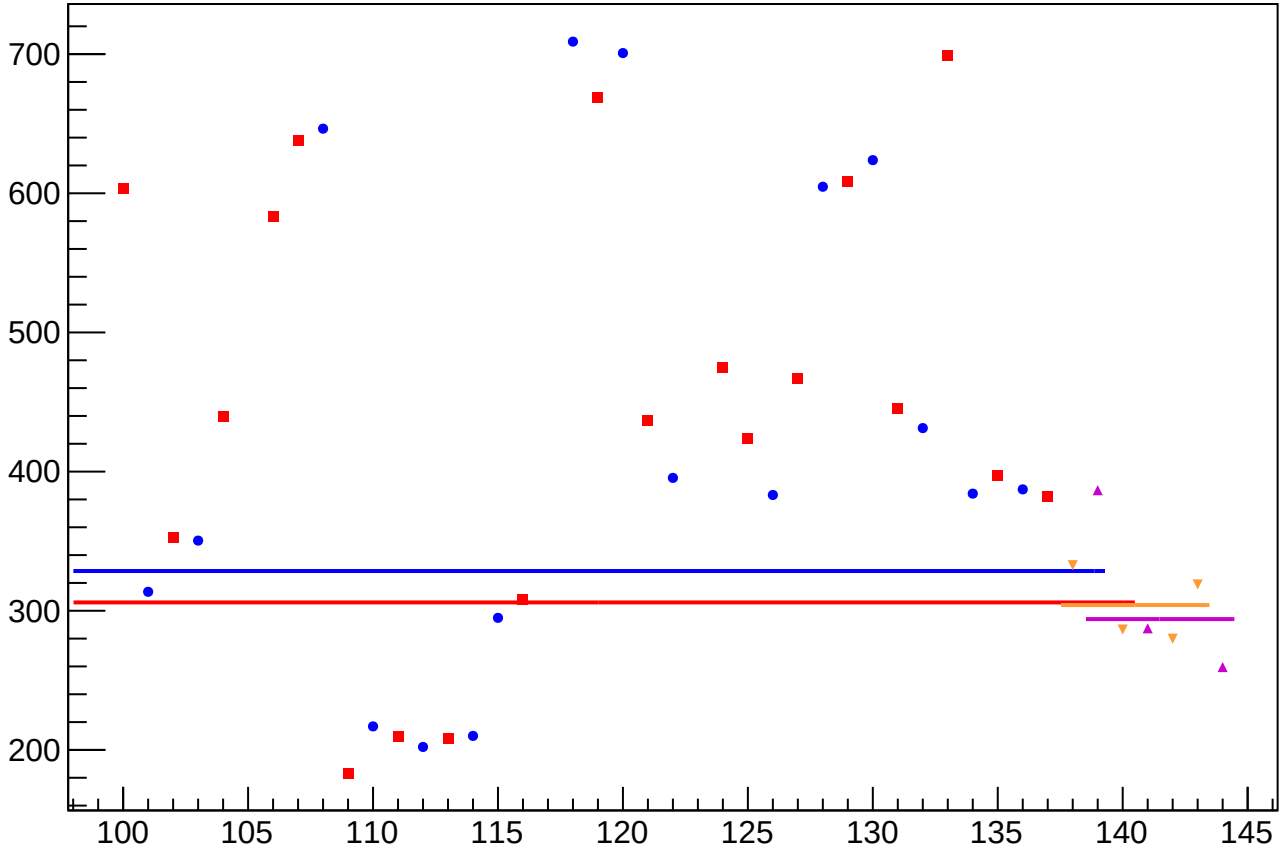
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 86.911+/-107.292 χ^2/NDF:23.4/18

Out: -109.606+/-102.231 χ^2/NDF:27.7/22

All: -16.093+/-74.013 χ^2/NDF: 52.8/41

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 304.104+/-0.128 χ^2/NDF:27599.6/3

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 294.033+/-0.130 χ^2/NDF:129274.2/2

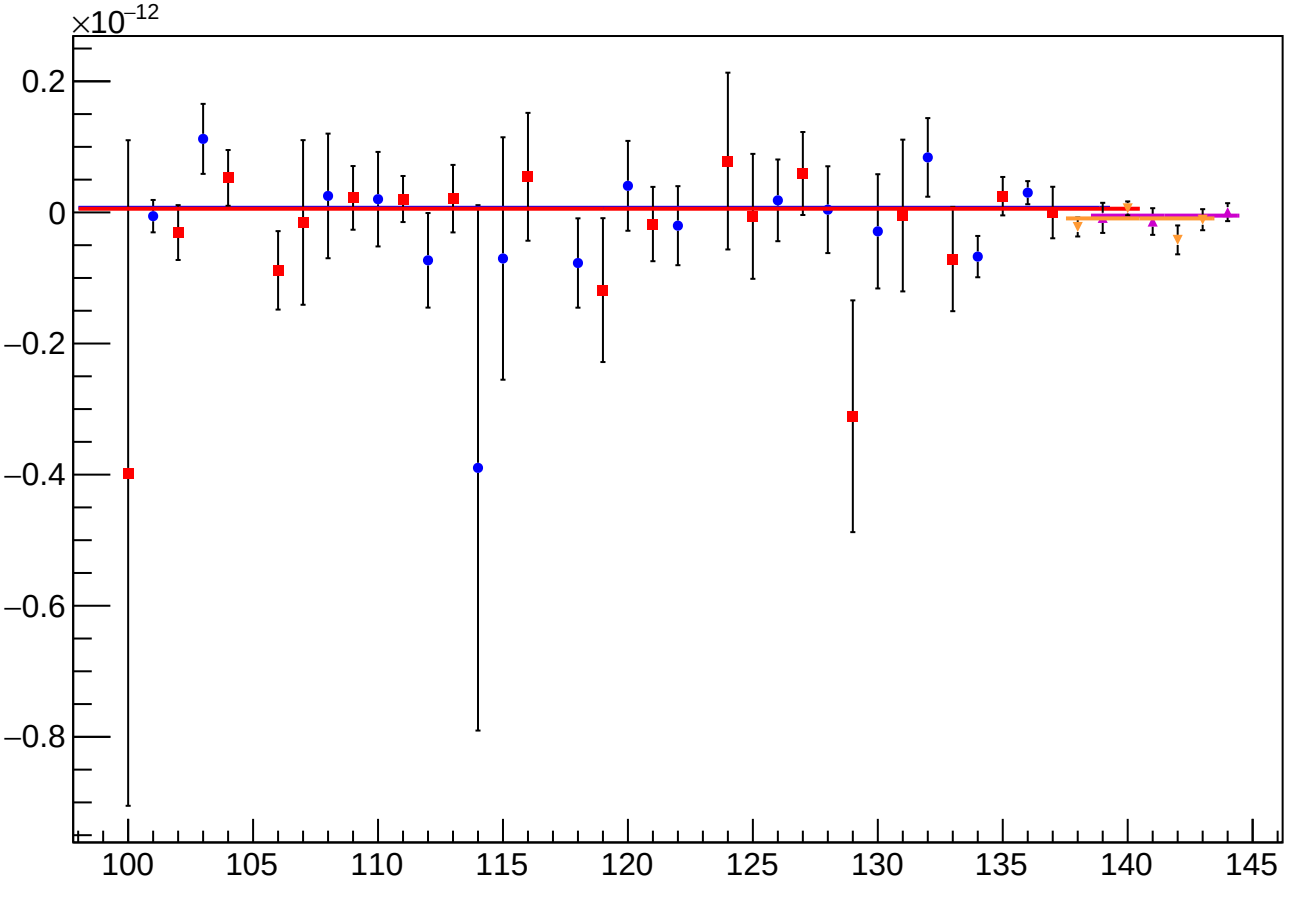
Left: 299.165+/-0.091 χ^2/NDF: 159913.7/6

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 316.874+/-0.076 χ^2/NDF:2134547.0/18

Out: 305.386+/-0.072 χ^2/NDF:2555210.8/22

All: 310.853+/-0.052 χ^2/NDF: 4701774.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/2

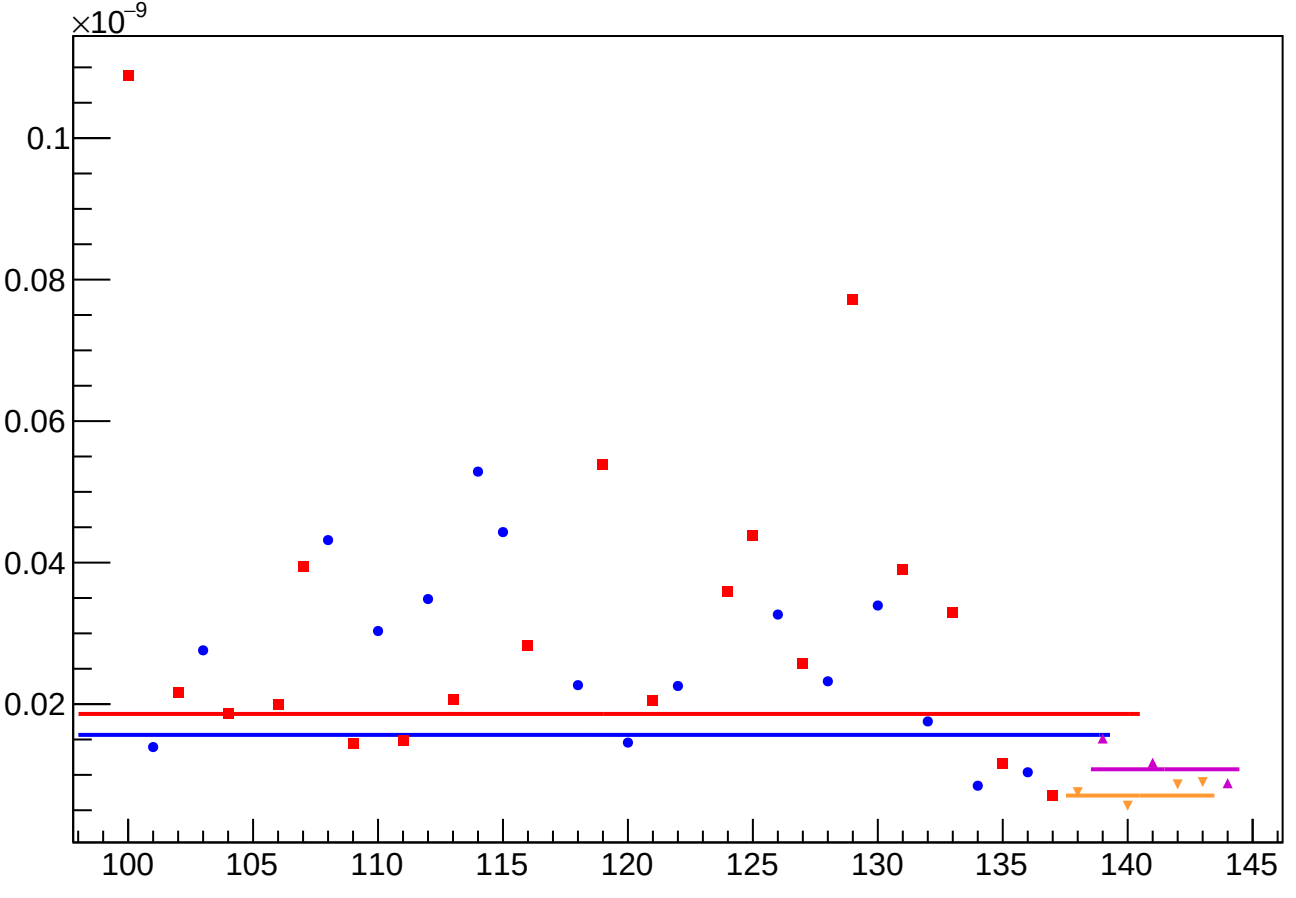
Left: -0.000+/-0.000 χ^2/NDF: 5.6/6

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:18.7/18

Out: -0.000+/-0.000 χ^2/NDF:19.0/22

All: -0.000+/-0.000 χ^2/NDF: 38.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:77340.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:117441.4/2

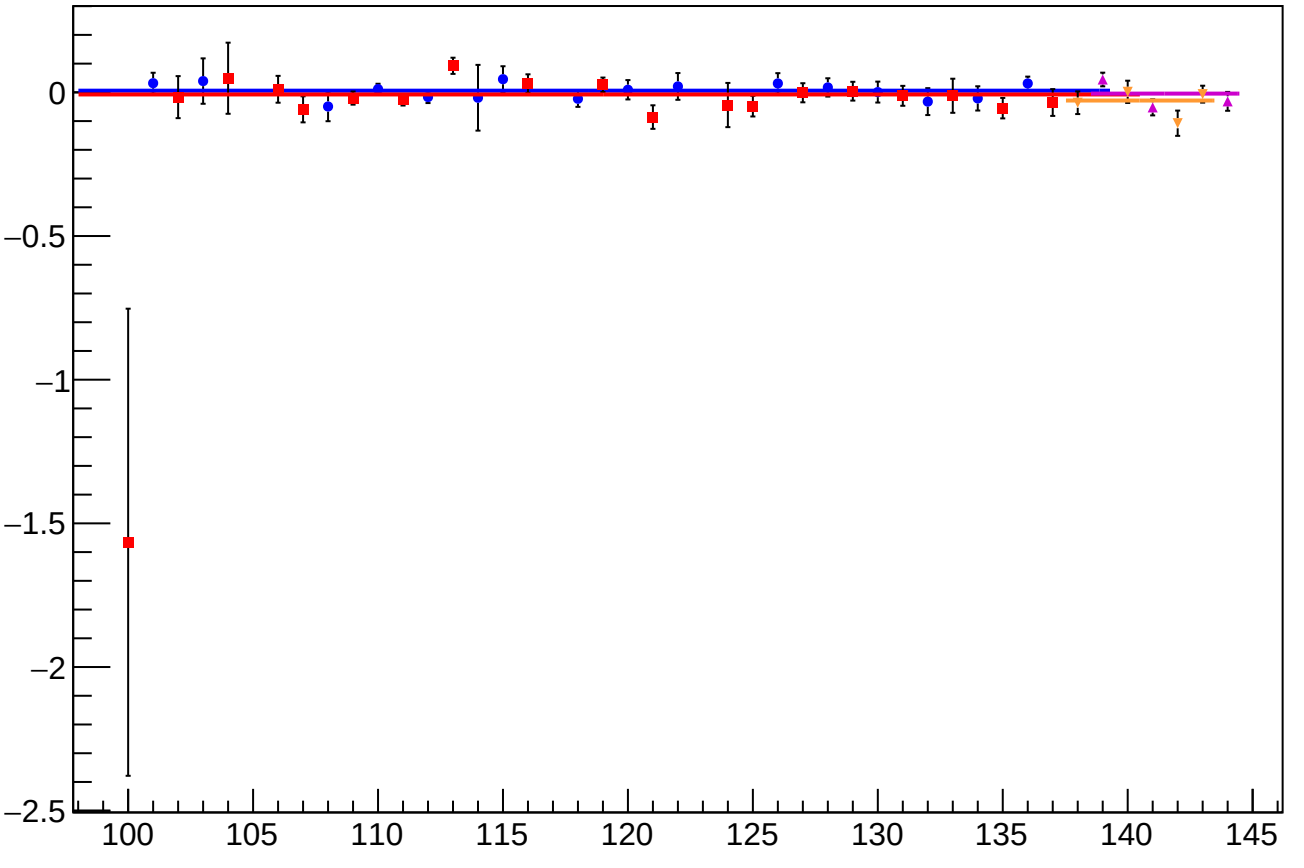
Left: 0.000+/-0.000 χ^2/NDF: 373289.9/6

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1493628.1/18

Out: 0.000+/-0.000 χ^2/NDF:2540022.4/22

All: 0.000+/-0.000 χ^2/NDF: 4255867.8/41



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.016 χ^2/NDF:7.9/2

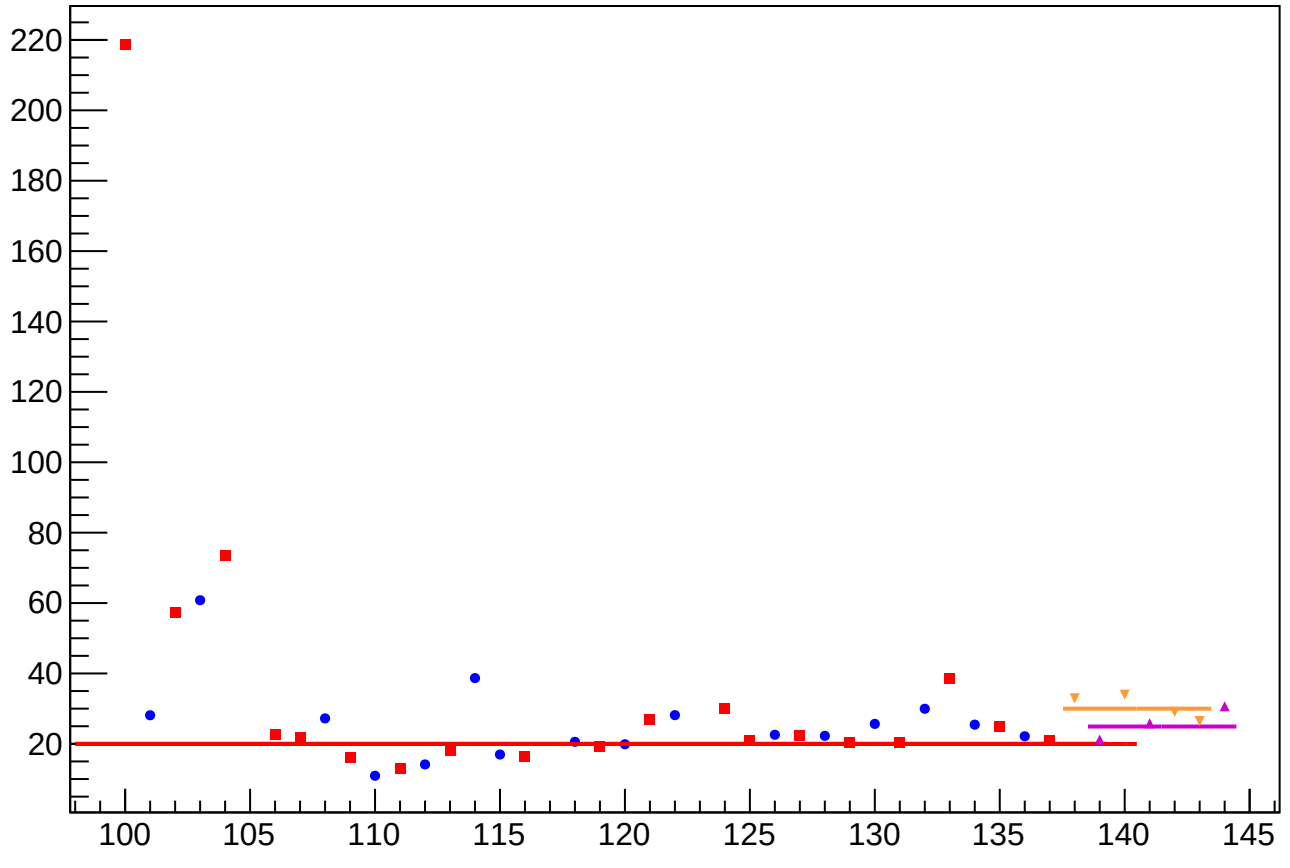
Left: -0.015+/-0.012 χ^2/NDF: 13.3/6

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/18

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 53.4/41



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.916+/-0.011 χ^2/NDF:111971.3/2

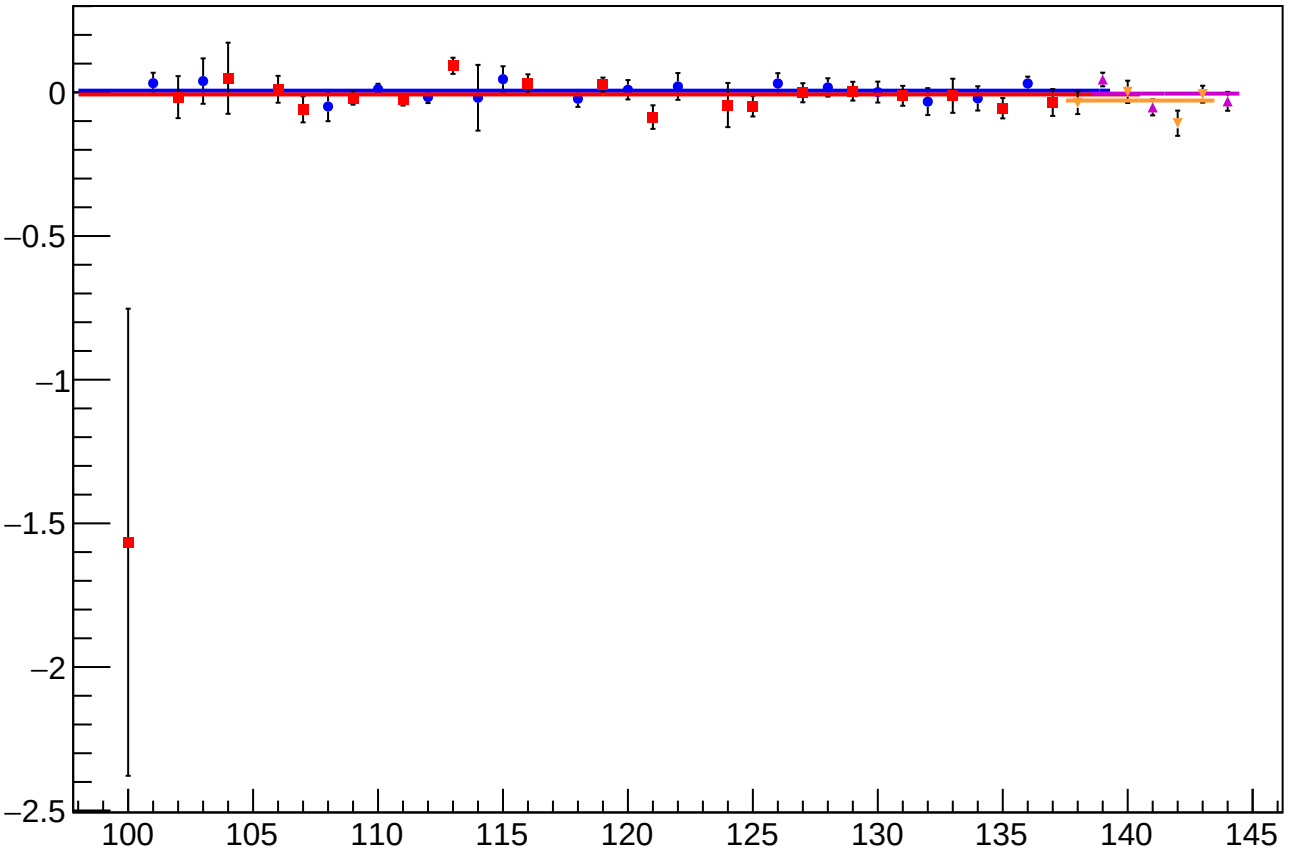
Left: 27.089+/-0.008 χ^2/NDF: 261765.3/6

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.032+/-0.005 χ^2/NDF:1905427.0/18

Out: 21.602+/-0.005 χ^2/NDF:2280706.2/22

All: 21.312+/-0.004 χ^2/NDF: 4192190.5/41



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.016 χ^2/NDF:7.9/2

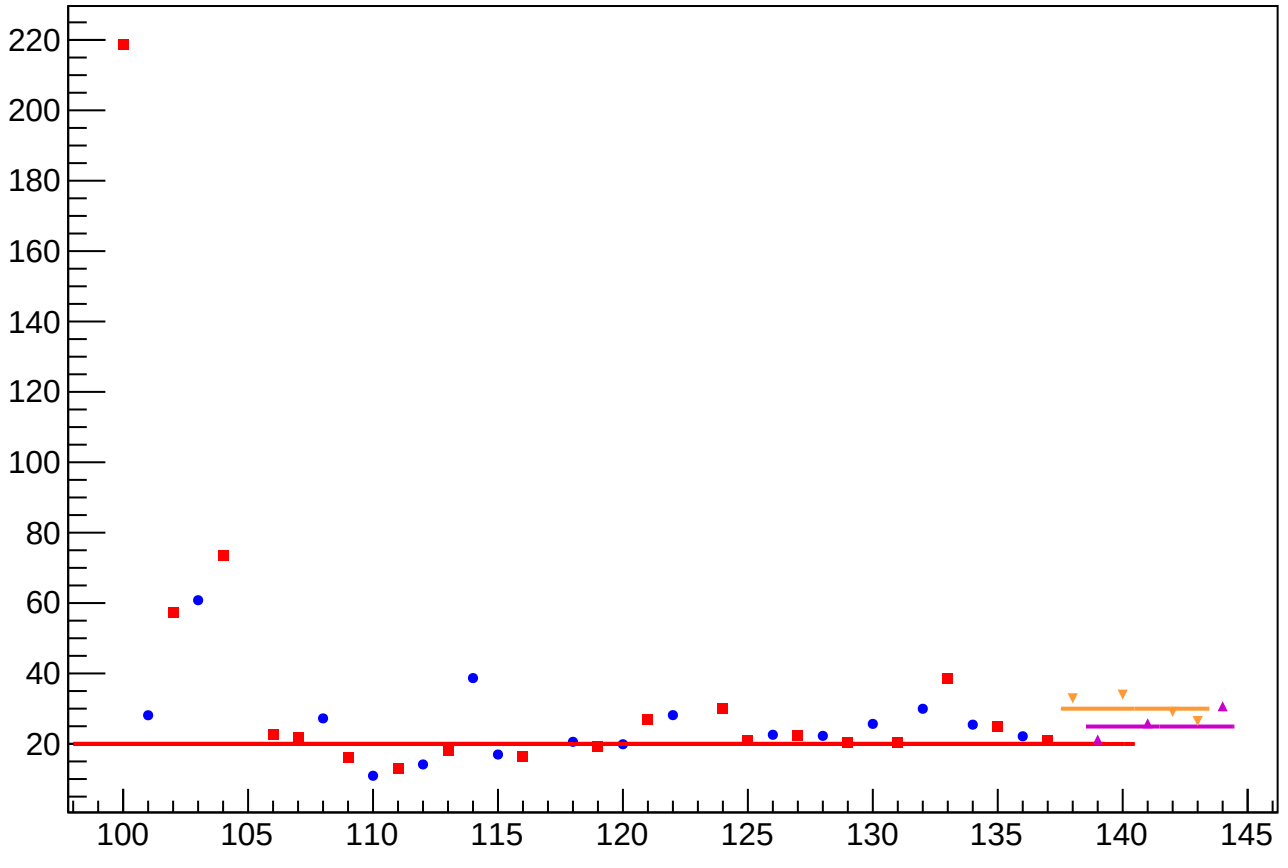
Left: -0.015+/-0.012 χ^2/NDF: 13.3/6

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/18

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 53.4/41



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.916+/-0.011 χ^2/NDF:111971.3/2

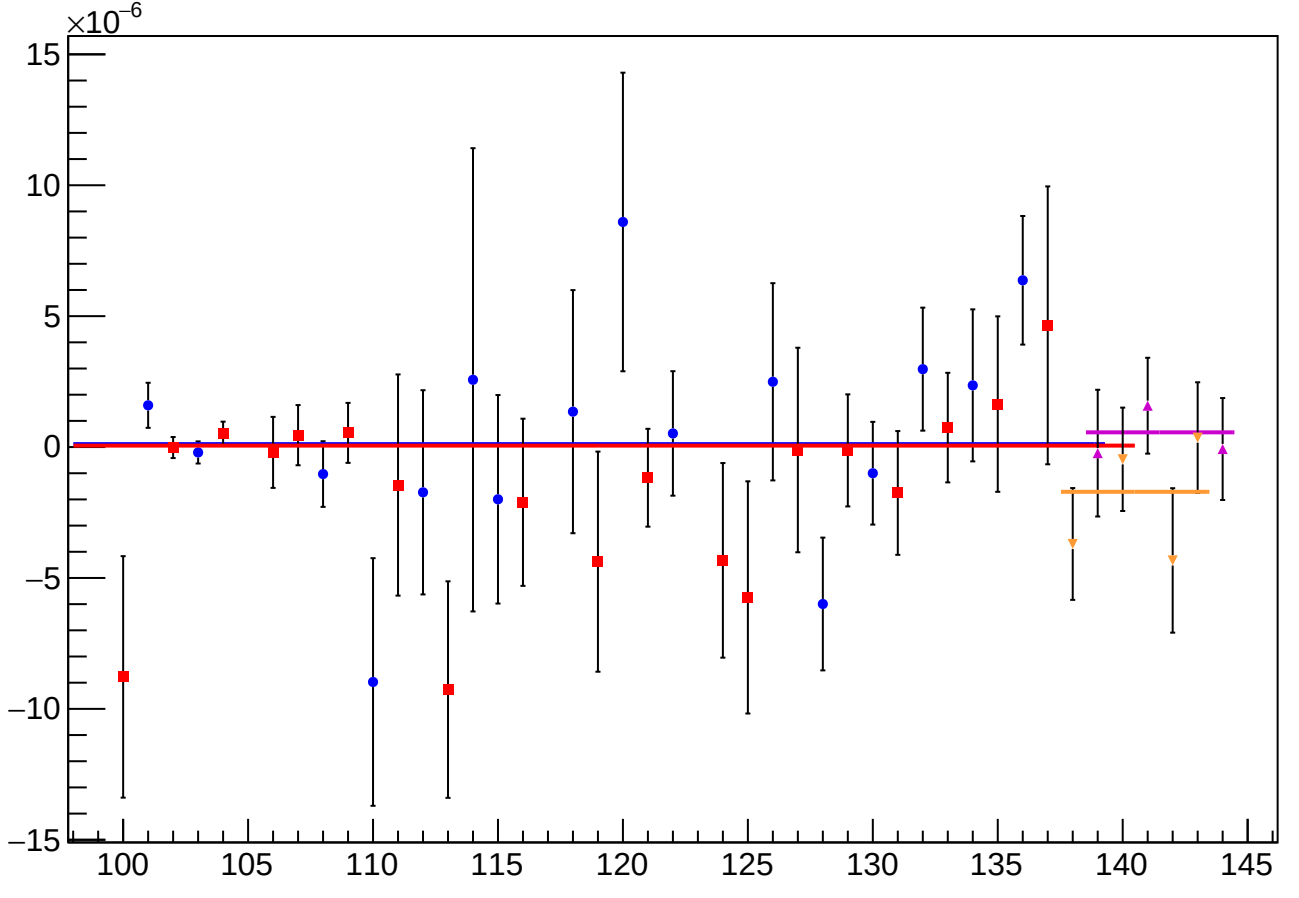
Left: 27.089+/-0.008 χ^2/NDF: 261765.3/6

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.032+/-0.005 χ^2/NDF:1905427.0/18

Out: 21.602+/-0.005 χ^2/NDF:2280706.2/22

All: 21.312+/-0.004 χ^2/NDF: 4192190.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/2

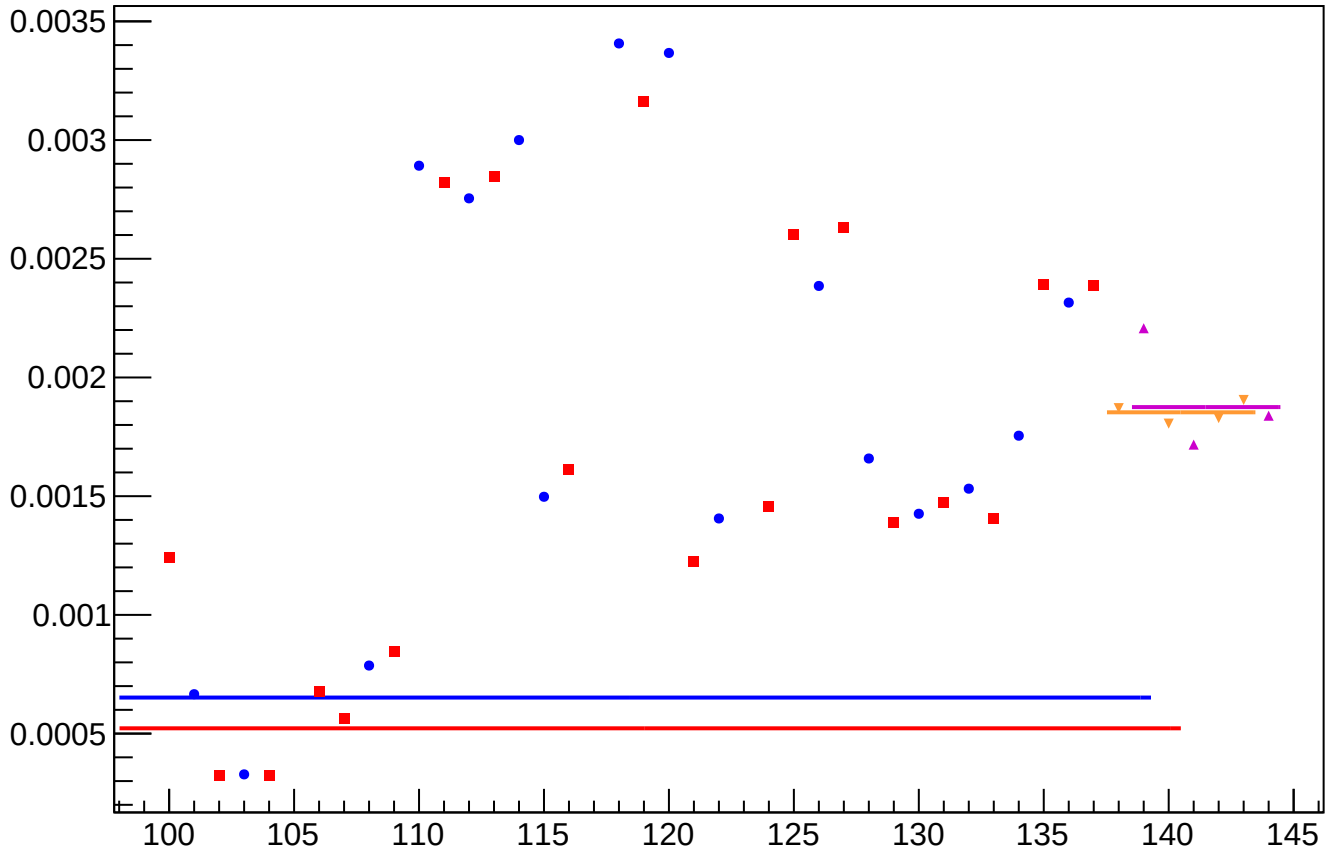
Left: -0.000+/-0.000 χ^2/NDF: 5.7/6

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.7/18

Out: -0.000+/-0.000 χ^2/NDF:22.7/22

All: 0.000+/-0.000 χ^2/NDF: 49.6/41



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2667.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:53261.3/2

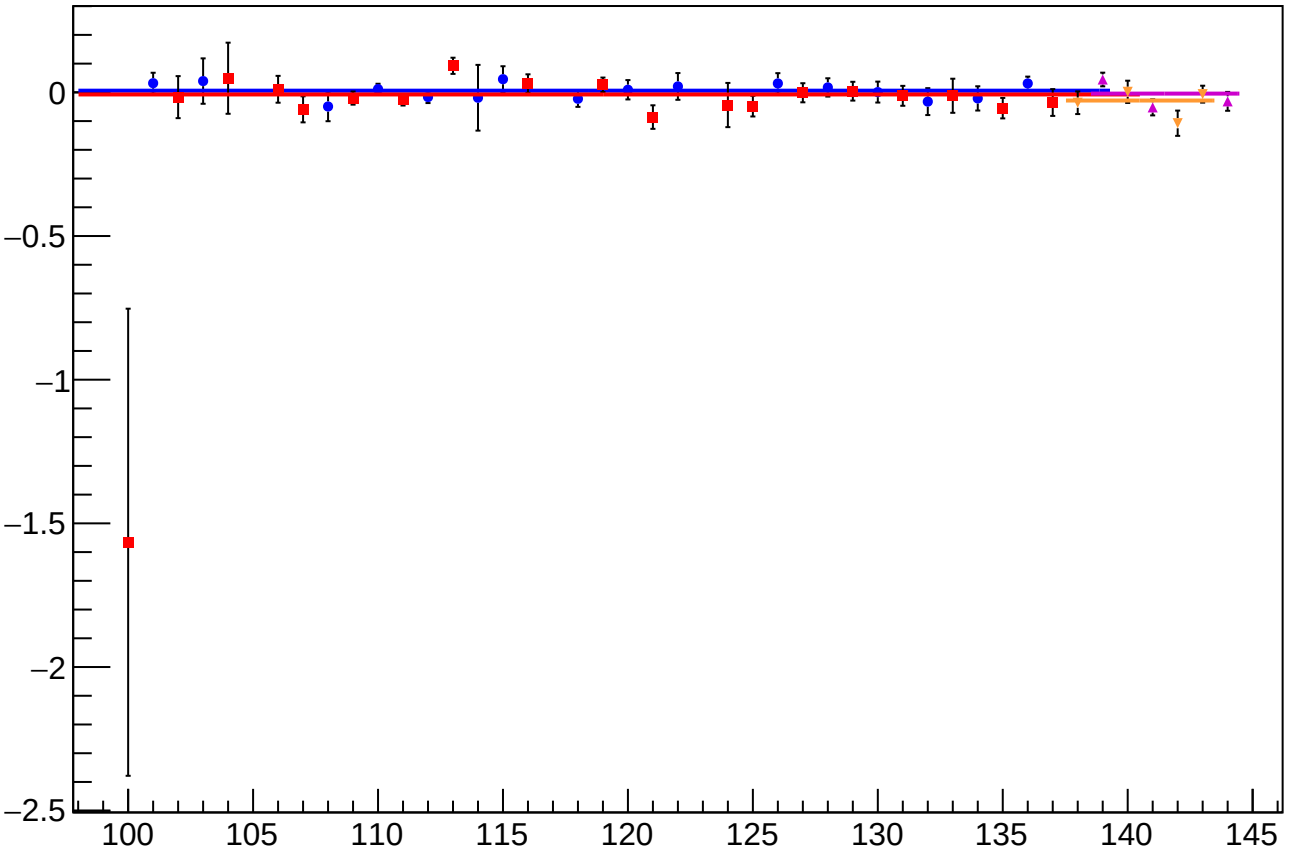
Left: 0.002+/-0.000 χ^2/NDF: 56304.8/6

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:8439926.6/18

Out: 0.001+/-0.000 χ^2/NDF:9467857.1/22

All: 0.001+/-0.000 χ^2/NDF: 18180136.1/41



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.016 χ^2/NDF:7.9/2

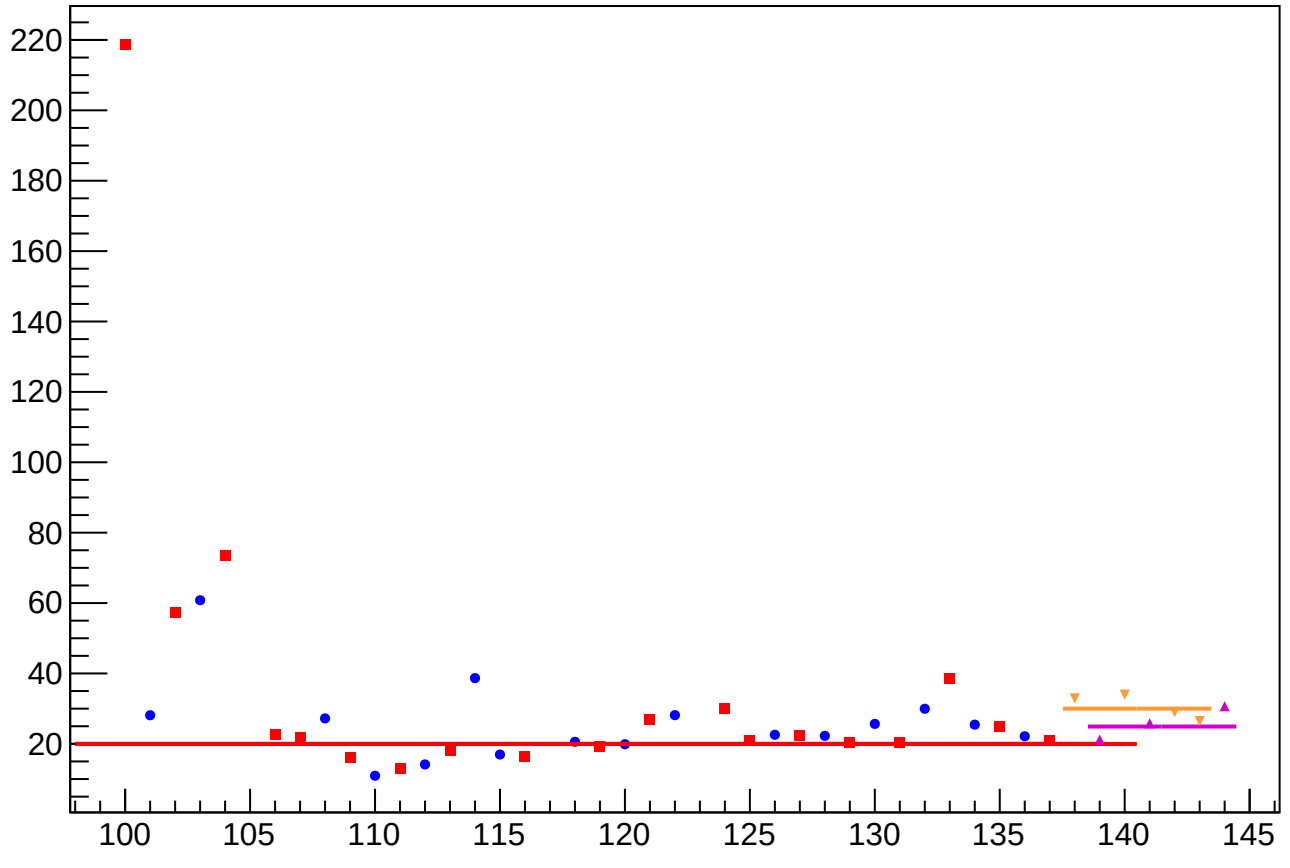
Left: -0.015+/-0.012 χ^2/NDF: 13.3/6

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/18

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 53.4/41



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 29.991+/-0.013 χ^2/NDF:61910.7/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.916+/-0.011 χ^2/NDF:111984.6/2

Left: 27.089+/-0.008 χ^2/NDF: 261776.2/6

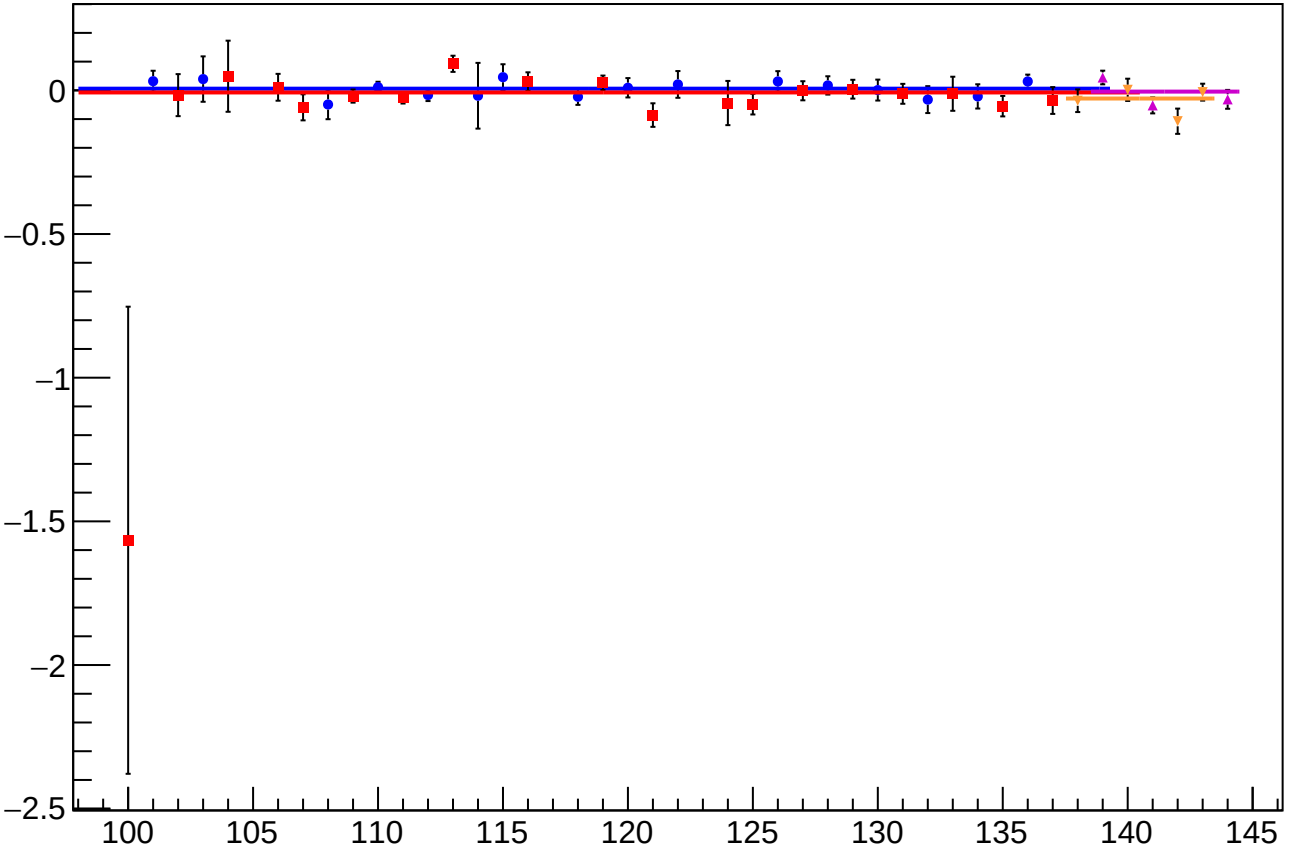
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.032+/-0.005 χ^2/NDF:1905238.8/18

Out: 21.603+/-0.005 χ^2/NDF:2280639.7/22

All: 21.312+/-0.004 χ^2/NDF: 4191930.1/41

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.016 χ^2/NDF:7.9/2

Left: -0.015+/-0.012 χ^2/NDF: 13.3/6

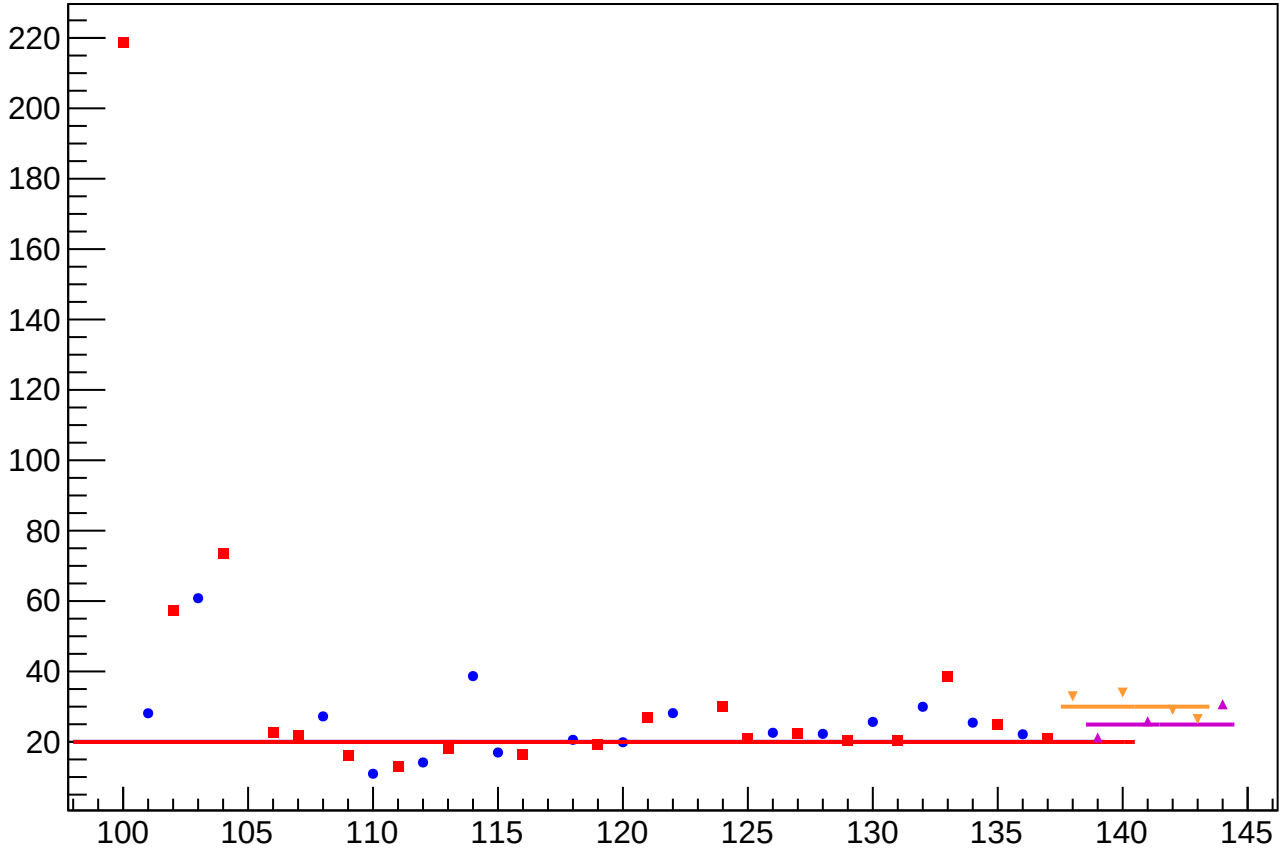
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/18

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 53.4/41

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 29.991+/-0.013 χ^2/NDF:61910.7/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.916+/-0.011 χ^2/NDF:111984.6/2

Left: 27.089+/-0.008 χ^2/NDF: 261776.2/6

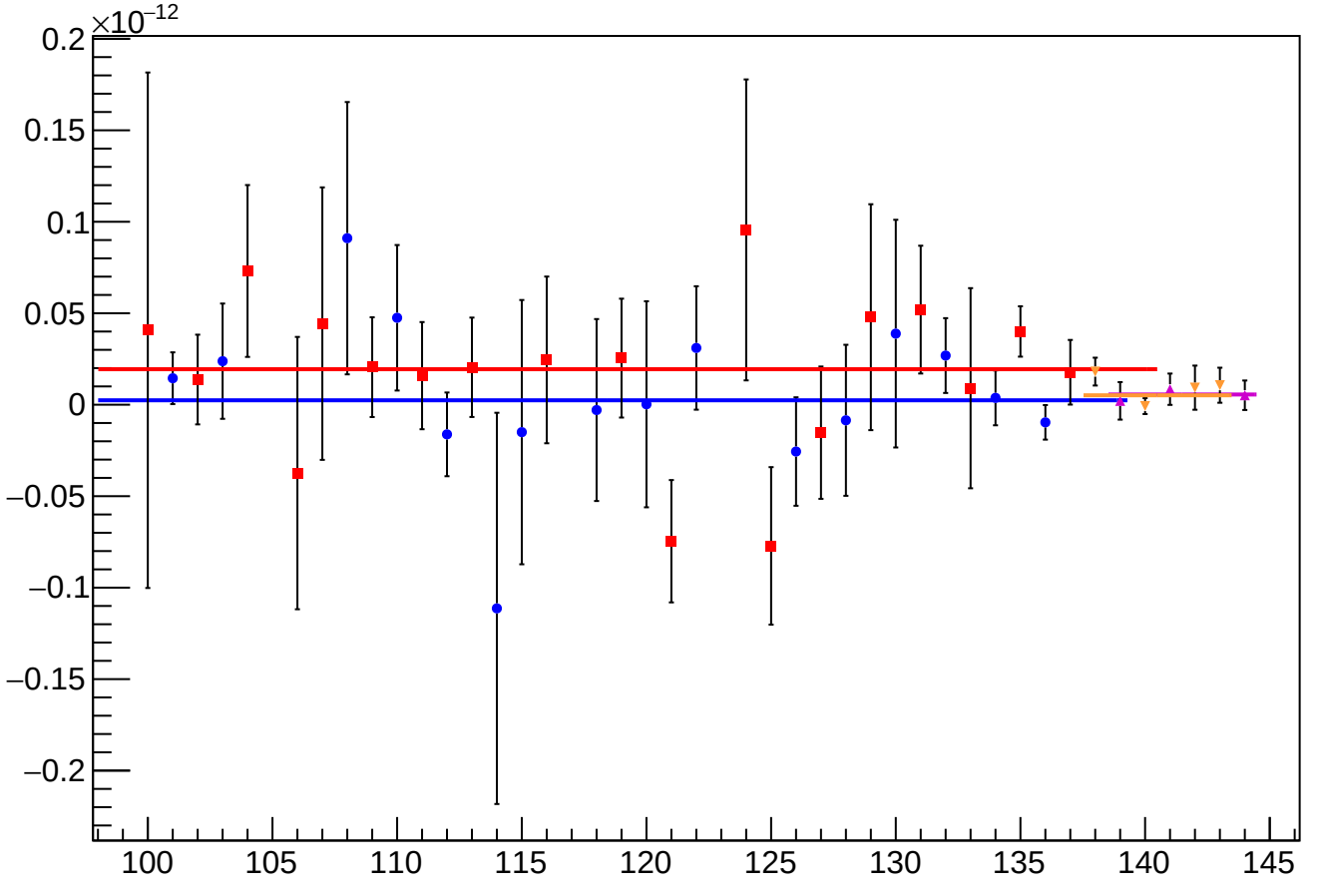
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.032+/-0.005 χ^2/NDF:1905238.8/18

Out: 21.603+/-0.005 χ^2/NDF:2280639.7/22

All: 21.312+/-0.004 χ^2/NDF: 4191930.1/41

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

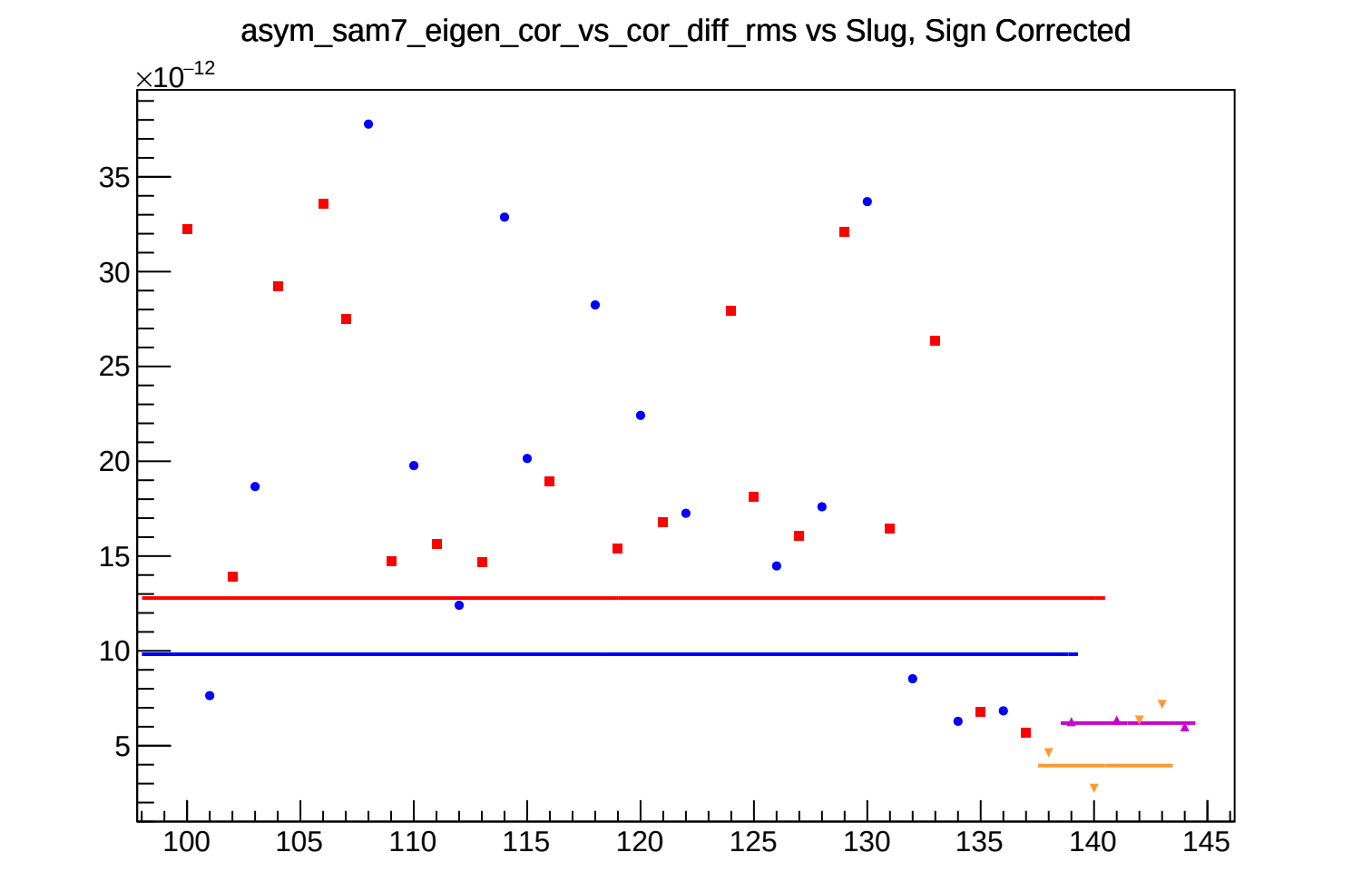
Left: 0.000+/-0.000 χ^2/NDF: 5.4/6

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:11.3/18

Out: 0.000+/-0.000 χ^2/NDF:28.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:473522.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1935.6/2

Left: 0.000+/-0.000 χ^2/NDF: 745195.5/6

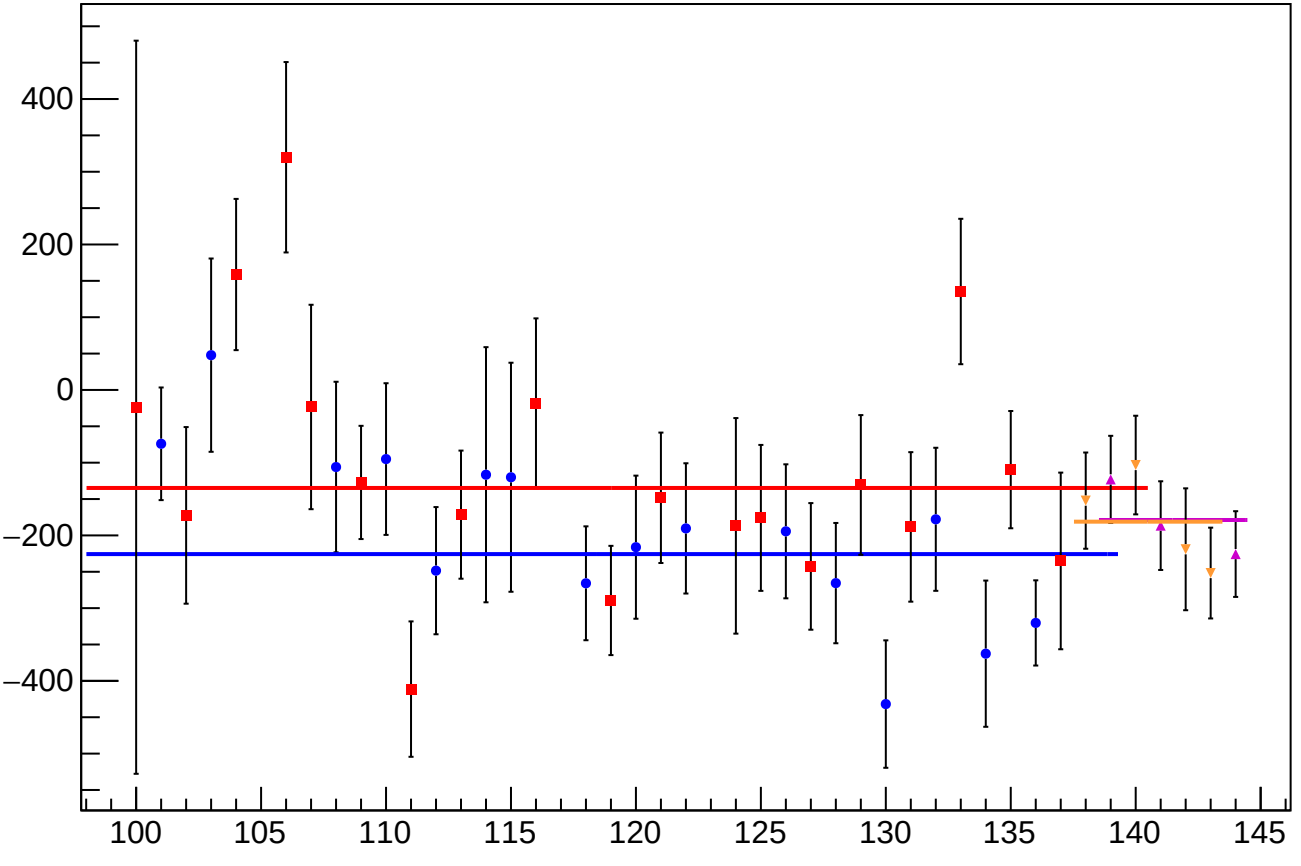
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2428668.5/18

Out: 0.000+/-0.000 χ^2/NDF:4824733.0/22

All: 0.000+/-0.000 χ^2/NDF: 7665422.3/41

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.107+/-34.399 χ^2/NDF:3.0/3

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -178.807+/-34.591 χ^2/NDF:1.5/2

Left: -179.963+/-24.391 χ^2/NDF: 4.5/6

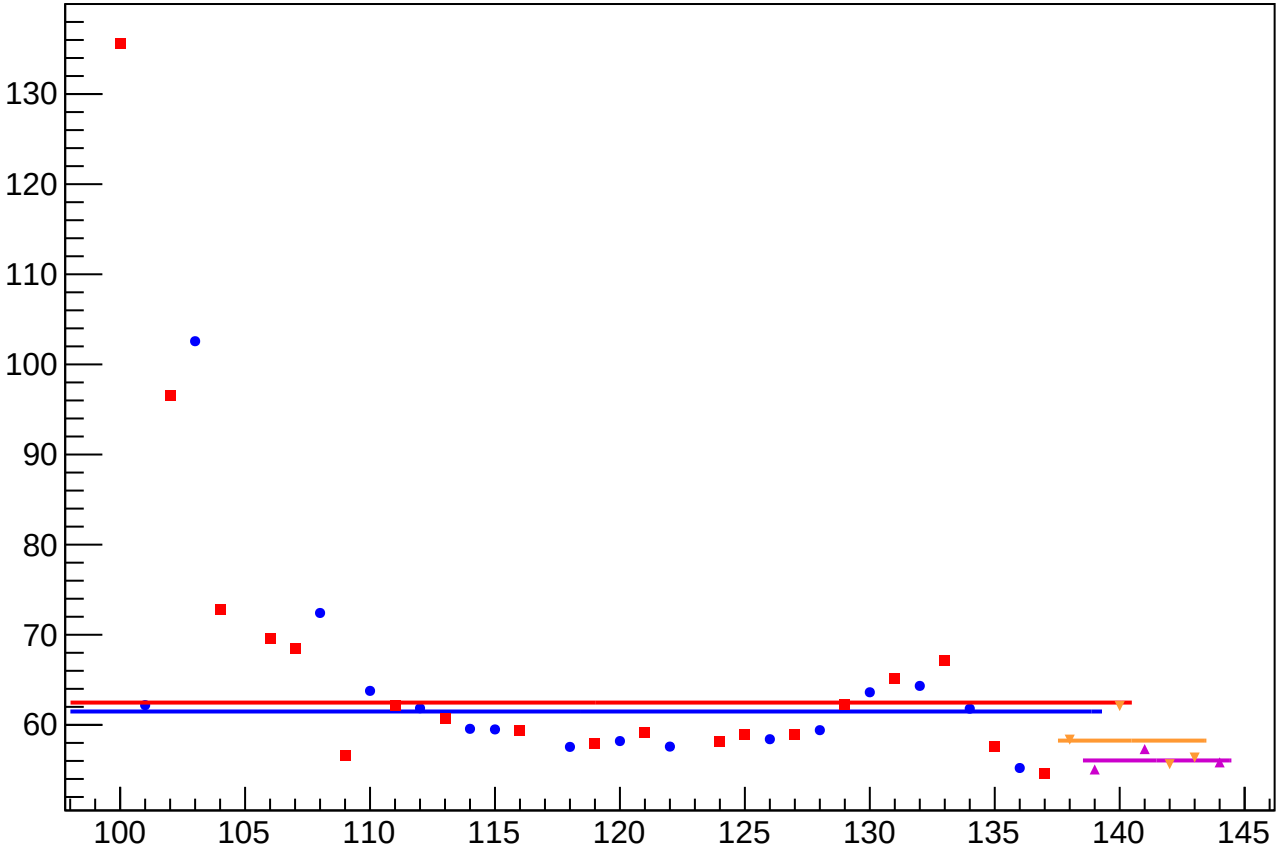
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -211.215+/-19.221 χ^2/NDF:25.4/18

Out: -149.245+/-19.230 χ^2/NDF:49.5/22

All: -180.244+/-13.594 χ^2/NDF: 80.1/41

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

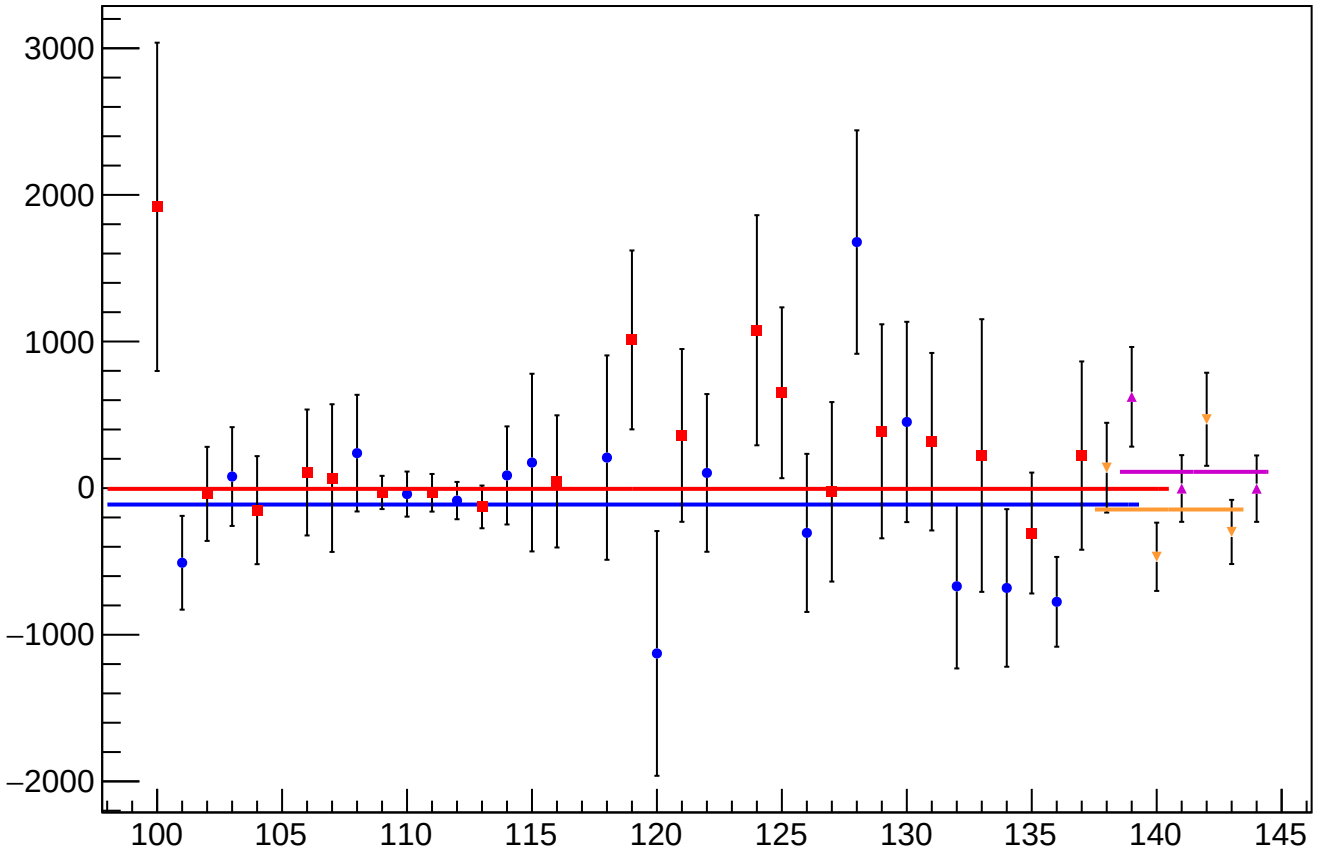
Left: 57.161+/-0.017 χ^2/NDF: 15665.6/6

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.809+/-0.014 χ^2/NDF:286201.8/18

Out: 61.157+/-0.014 χ^2/NDF:311991.4/22

All: 60.483+/-0.010 χ^2/NDF: 603112.7/41



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -145.669+/-129.171 χ^2/NDF:7.0/3

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 111.119+/-145.100 χ^2/NDF:2.8/2

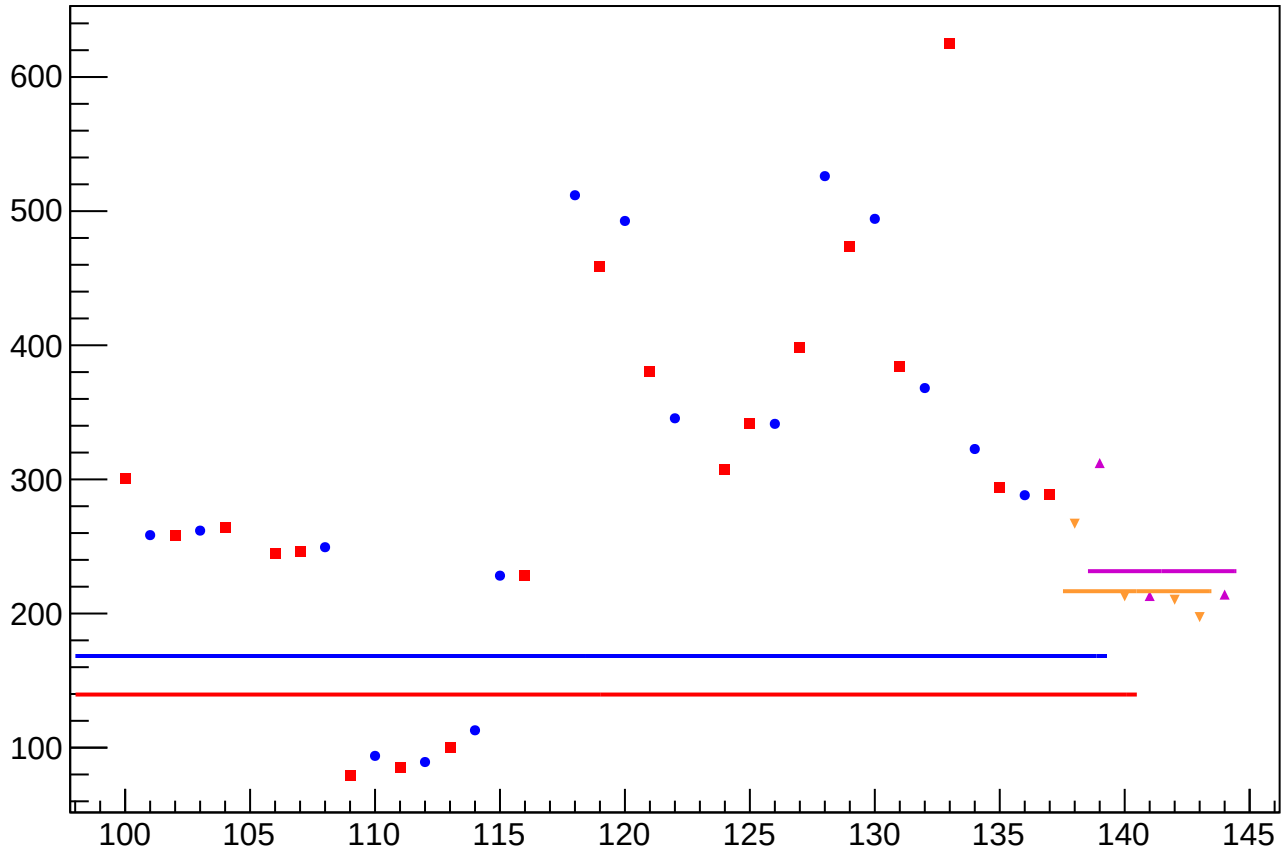
Left: -32.138+/-96.480 χ^2/NDF: 11.6/6

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -63.665+/-67.472 χ^2/NDF:23.1/18

Out: -32.593+/-57.298 χ^2/NDF:19.6/22

All: -45.612+/-43.675 χ^2/NDF: 42.8/41



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70974.2/3

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 231.576+/-0.103 χ^2/NDF:137607.4/2

Left: 223.240+/-0.068 χ^2/NDF: 220412.9/6

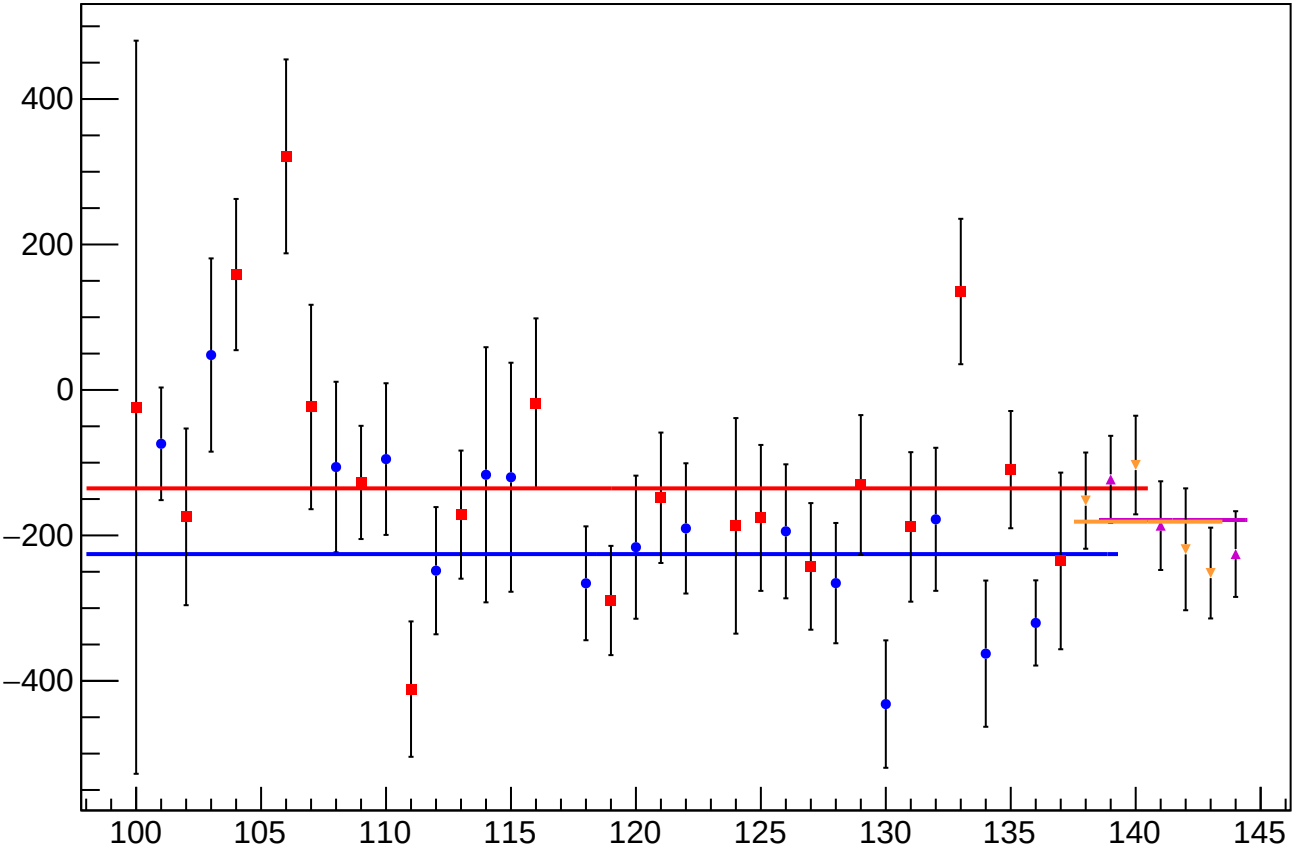
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 182.005+/-0.048 χ^2/NDF:4979474.5/18

Out: 154.753+/-0.041 χ^2/NDF:5796578.1/22

All: 166.171+/-0.031 χ^2/NDF: 10965622.6/41

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -178.809+/-34.591 χ^2/NDF:1.5/2

Left: -179.962+/-24.391 χ^2/NDF: 4.5/6

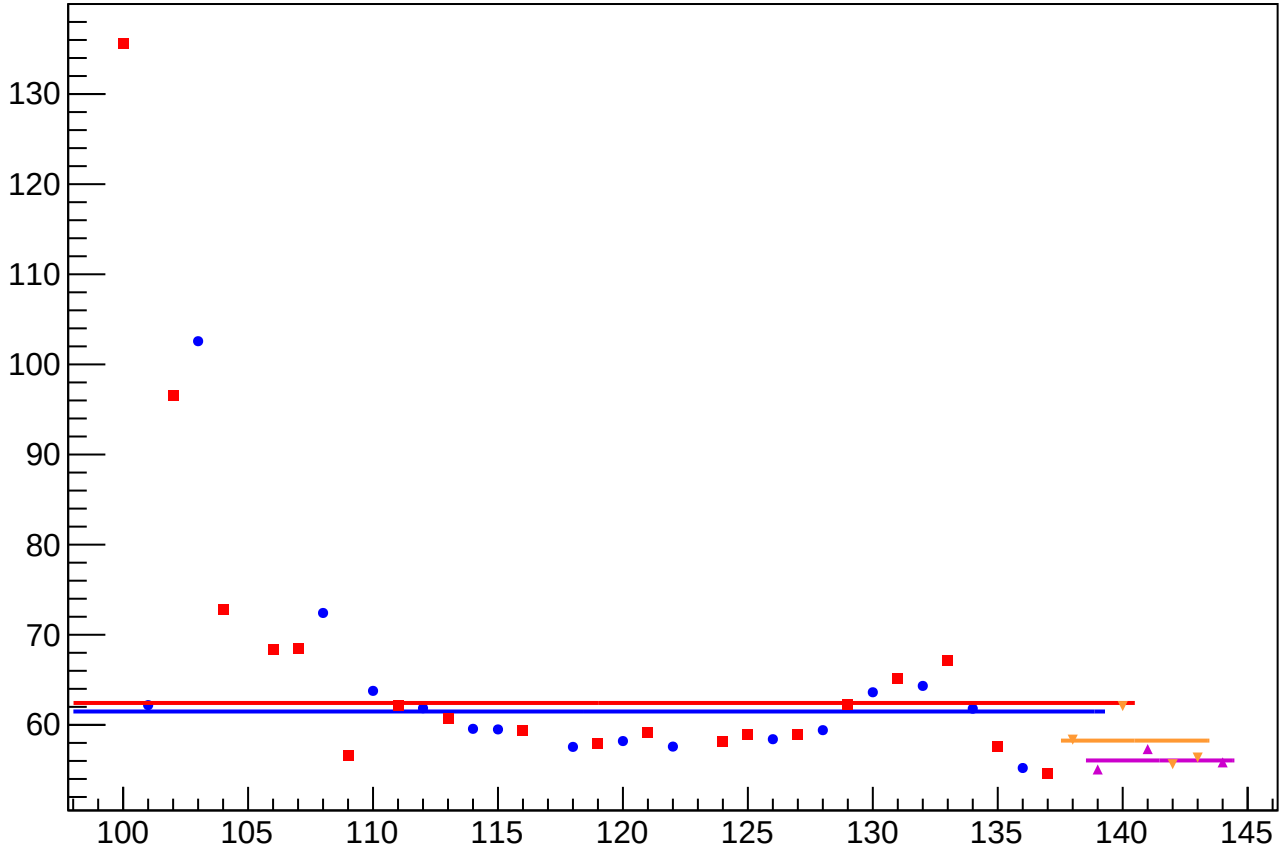
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -211.217+/-19.221 χ^2/NDF:25.4/18

Out: -149.632+/-19.237 χ^2/NDF:49.1/22

All: -180.450+/-13.597 χ^2/NDF: 79.6/41

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

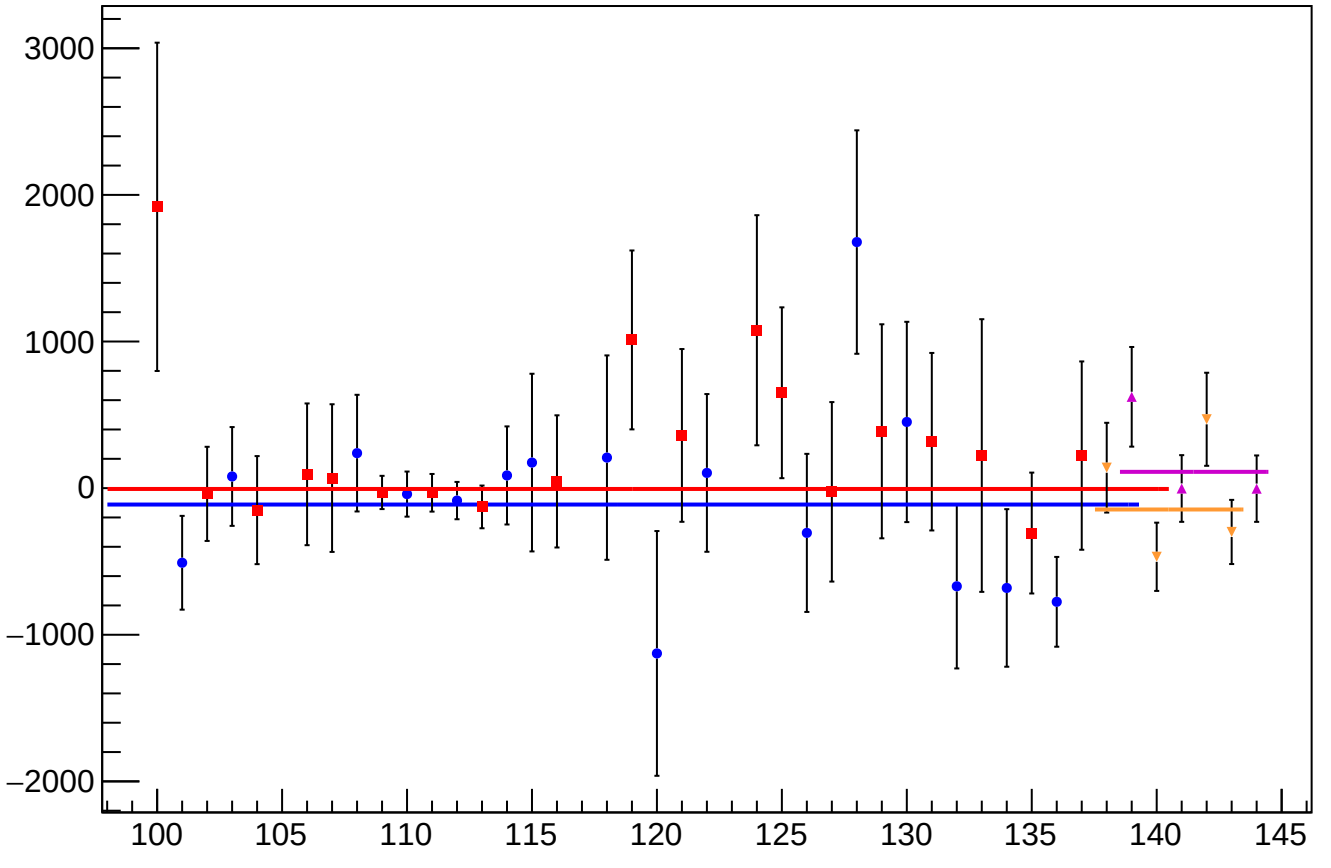
Left: 57.161+/-0.017 χ^2/NDF: 15665.6/6

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.809+/-0.014 χ^2/NDF:286204.4/18

Out: 61.126+/-0.014 χ^2/NDF:309824.2/22

All: 60.467+/-0.010 χ^2/NDF: 600725.1/41



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 111.114+/-145.100 χ^2/NDF:2.8/2

Left: -32.139+/-96.480 χ^2/NDF: 11.6/6

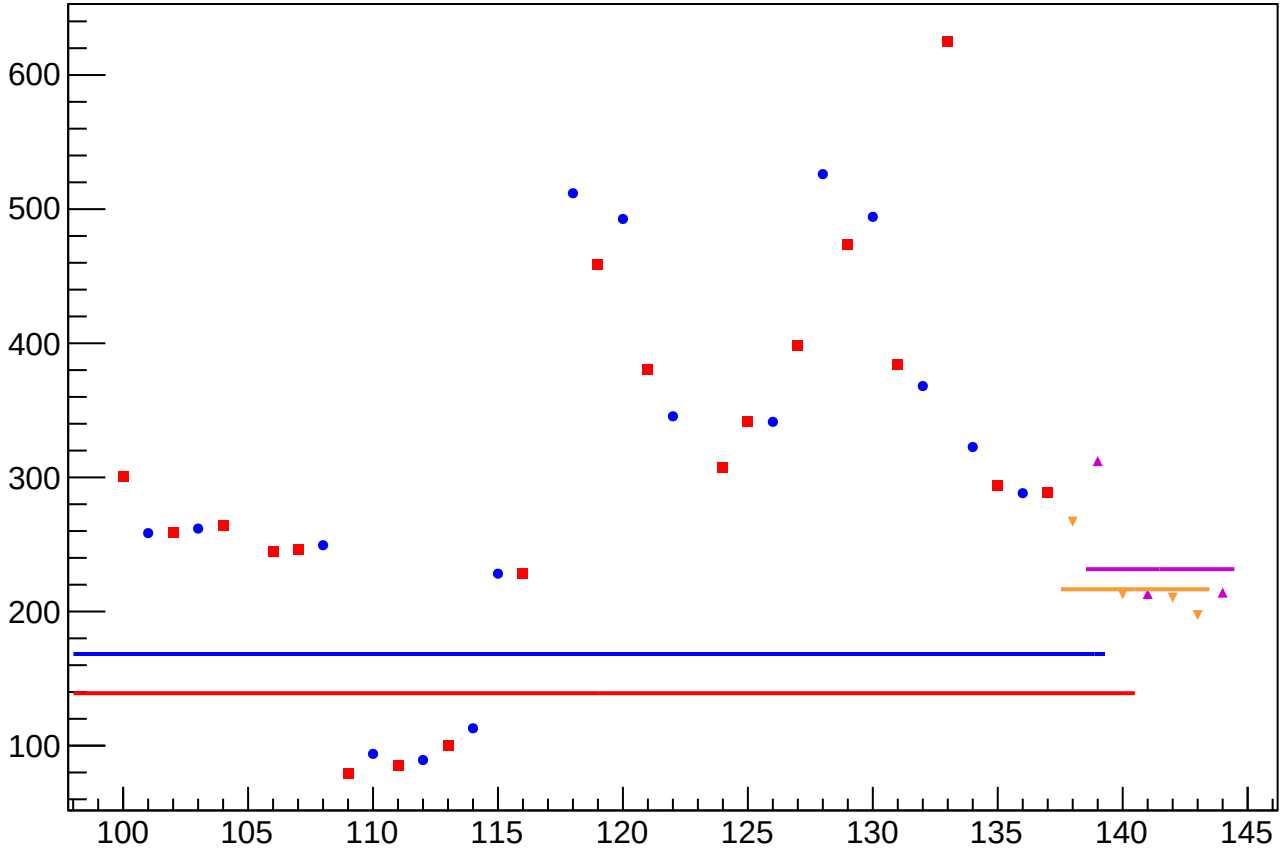
Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -63.652+/-67.472 χ^2/NDF:23.1/18

Out: -33.279+/-57.408 χ^2/NDF:19.6/22

All: -46.033+/-43.723 χ^2/NDF: 42.8/41

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 231.576+/-0.103 χ^2/NDF:137607.6/2

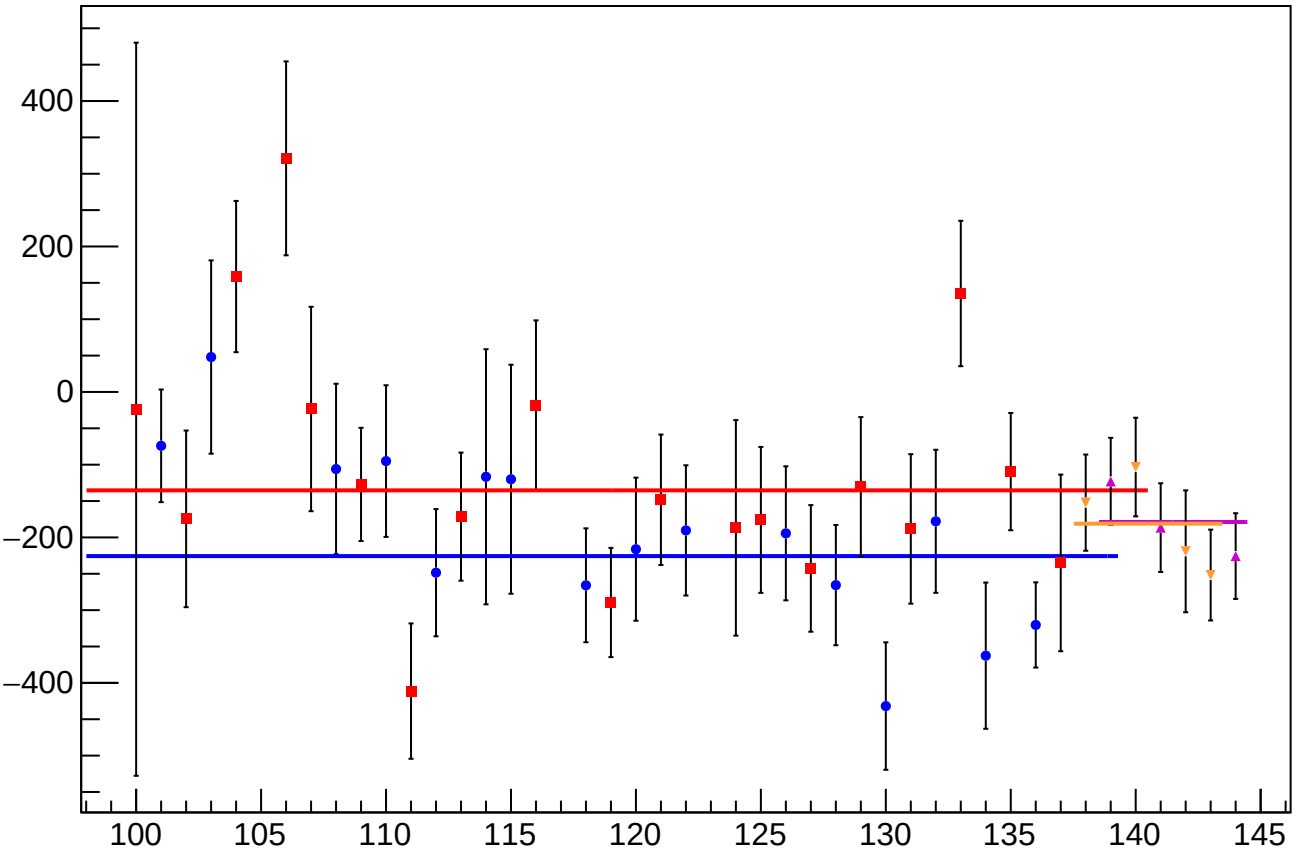
Left: 223.240+/-0.068 χ^2/NDF: 220412.5/6

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 182.005+/-0.048 χ^2/NDF:4979526.1/18

Out: 154.418+/-0.041 χ^2/NDF:5779164.0/22

All: 166.003+/-0.031 χ^2/NDF: 10952632.8/41



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -178.809+/-34.591 χ^2/NDF:1.5/2

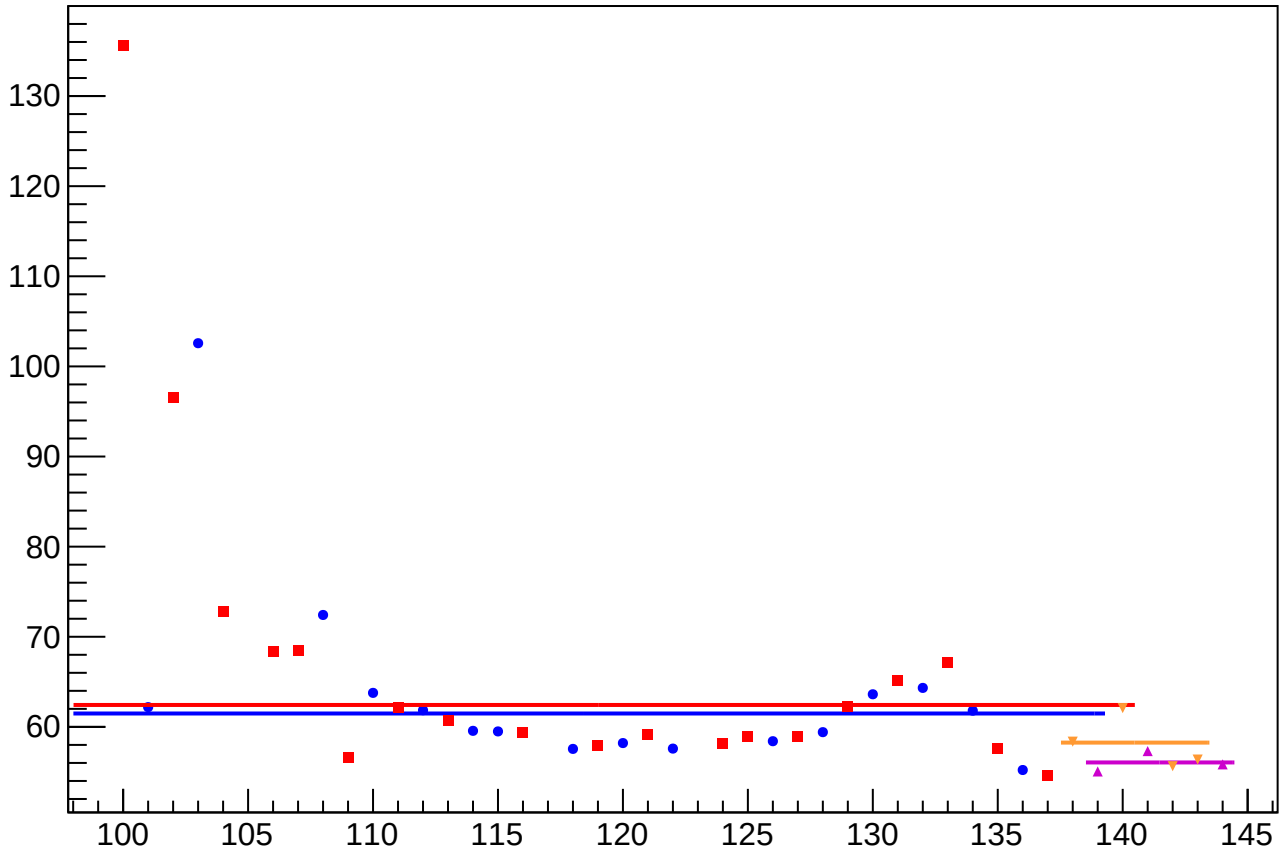
Left: -179.962+/-24.391 χ^2/NDF: 4.5/6

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -211.217+/-19.221 χ^2/NDF:25.4/18

Out: -149.632+/-19.237 χ^2/NDF:49.1/22

All: -180.450+/-13.597 χ^2/NDF: 79.6/41



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.054+/-0.024 χ^2/NDF:1437.6/2

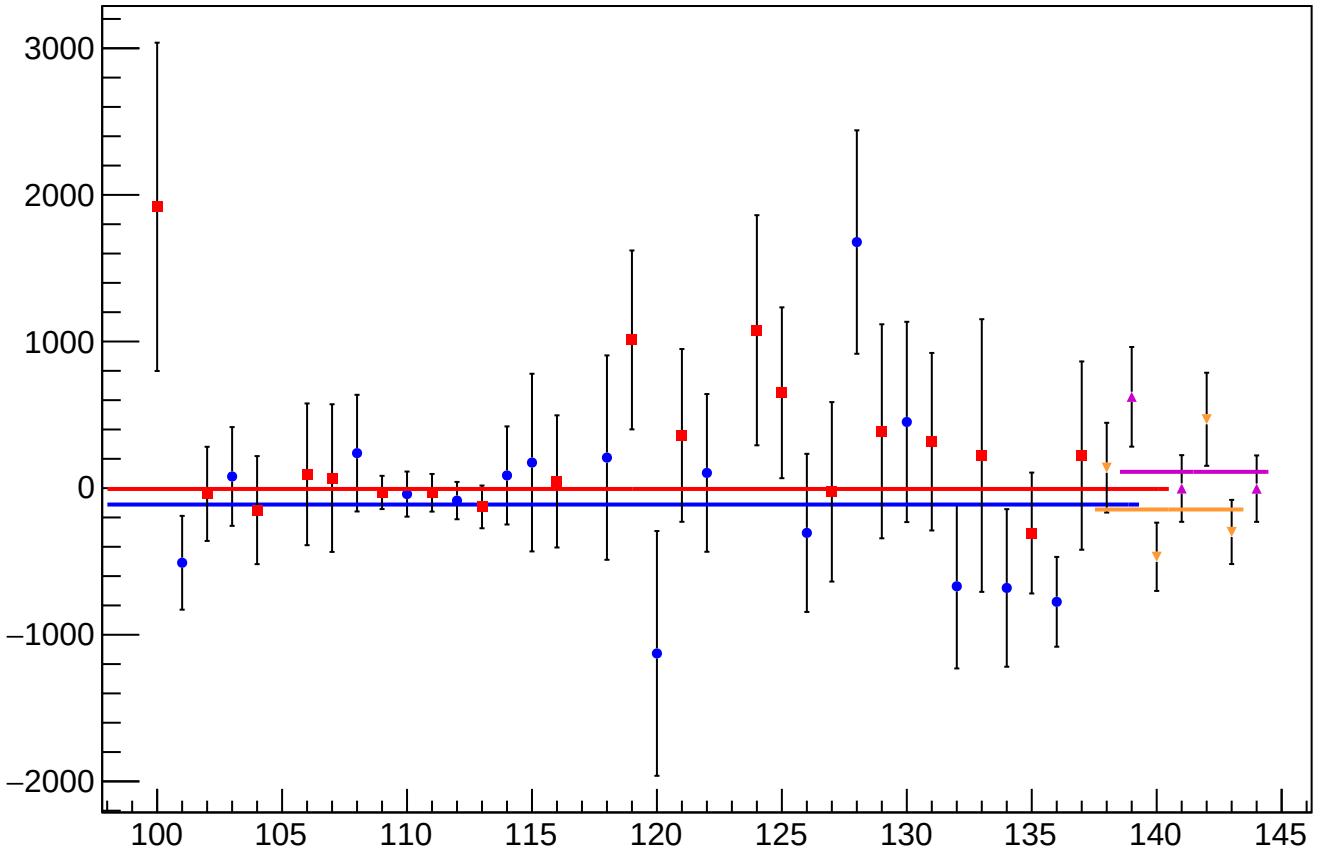
Left: 57.161+/-0.017 χ^2/NDF: 15665.6/6

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.809+/-0.014 χ^2/NDF:286204.4/18

Out: 61.126+/-0.014 χ^2/NDF:309824.2/22

All: 60.467+/-0.010 χ^2/NDF: 600725.1/41



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 111.114+/-145.100 χ^2/NDF:2.8/2

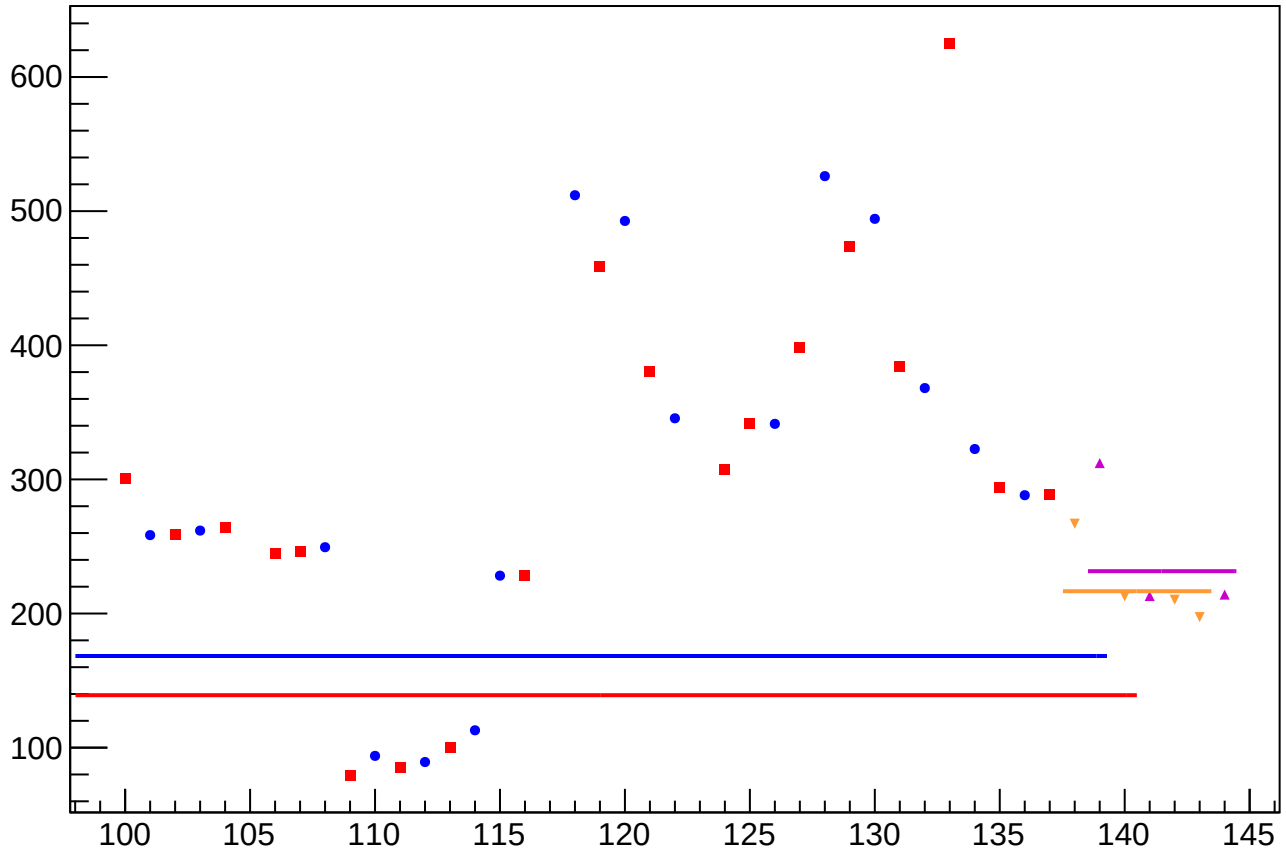
Left: -32.139+/-96.480 χ^2/NDF: 11.6/6

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -63.652+/-67.472 χ^2/NDF:23.1/18

Out: -33.279+/-57.408 χ^2/NDF:19.6/22

All: -46.033+/-43.723 χ^2/NDF: 42.8/41



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 231.576+/-0.103 χ^2/NDF:137607.6/2

Left: 223.240+/-0.068 χ^2/NDF: 220412.5/6

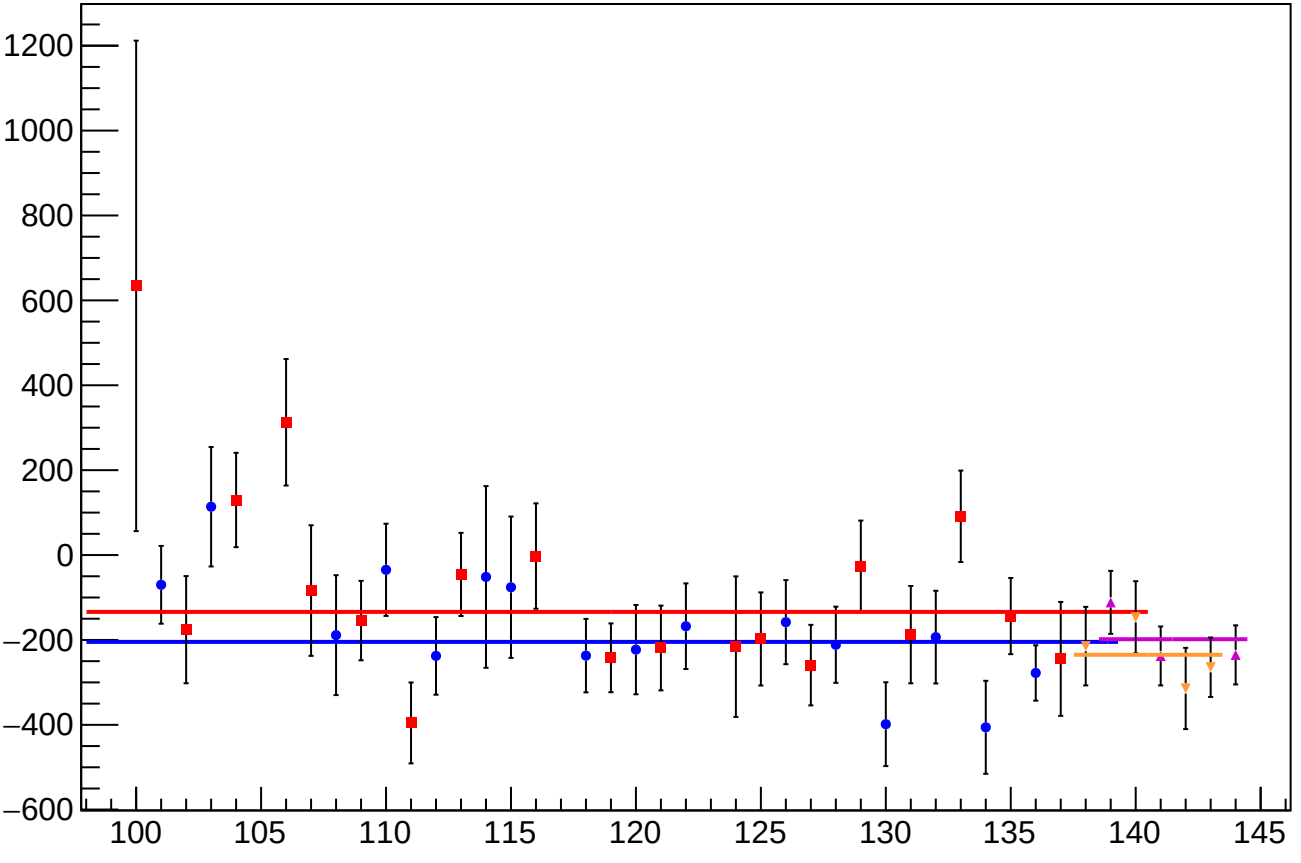
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 182.005+/-0.048 χ^2/NDF:4979526.1/18

Out: 154.418+/-0.041 χ^2/NDF:5779164.0/22

All: 166.003+/-0.031 χ^2/NDF: 10952632.8/41

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.964+/-41.944 χ^2/NDF:2.0/3

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -198.322+/-40.968 χ^2/NDF:2.0/2

Left: -216.212+/-29.308 χ^2/NDF: 4.4/6

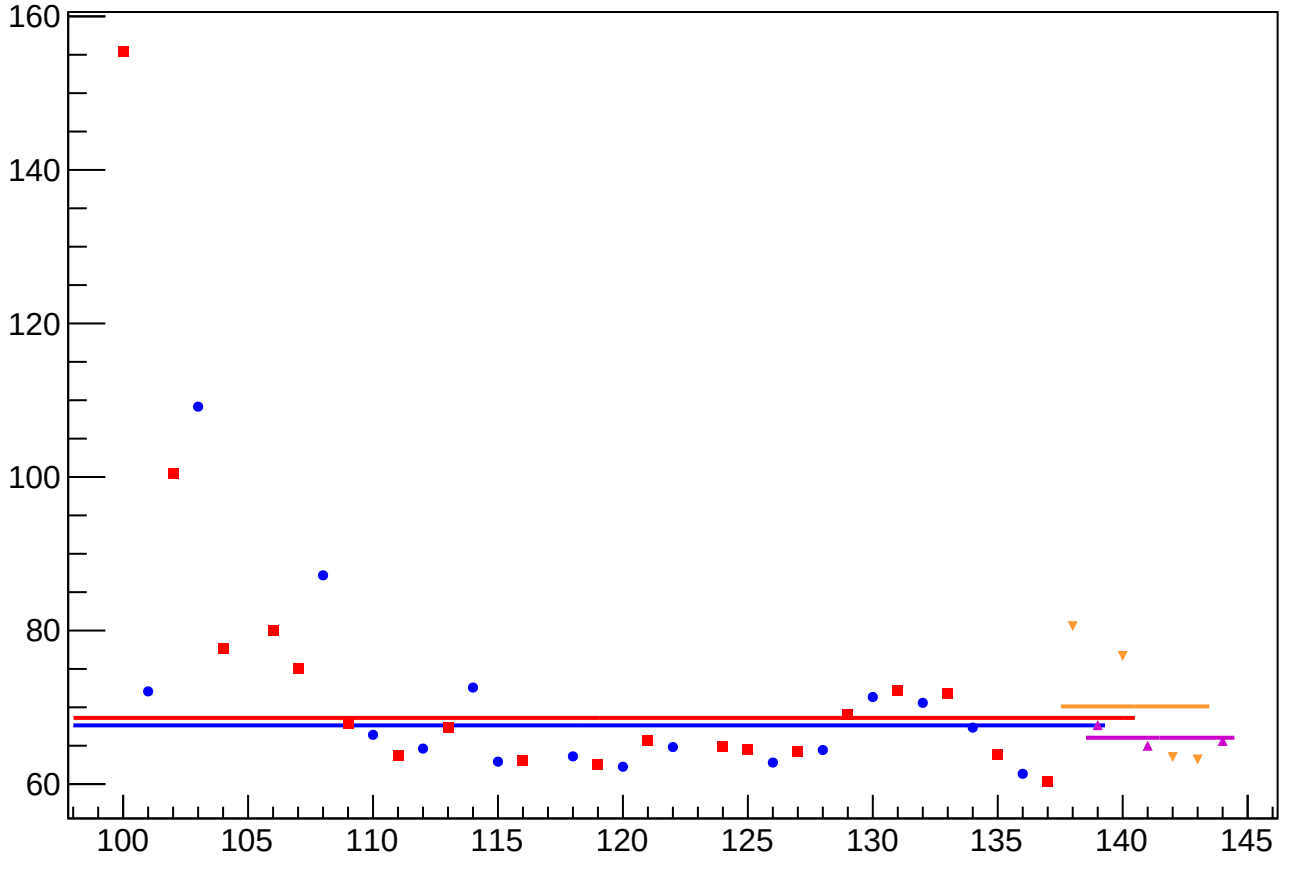
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -202.828+/-21.663 χ^2/NDF:22.0/18

Out: -161.166+/-21.779 χ^2/NDF:43.5/22

All: -182.108+/-15.359 χ^2/NDF: 67.3/41

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66511.3/3

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.040+/-0.029 χ^2/NDF:1515.5/2

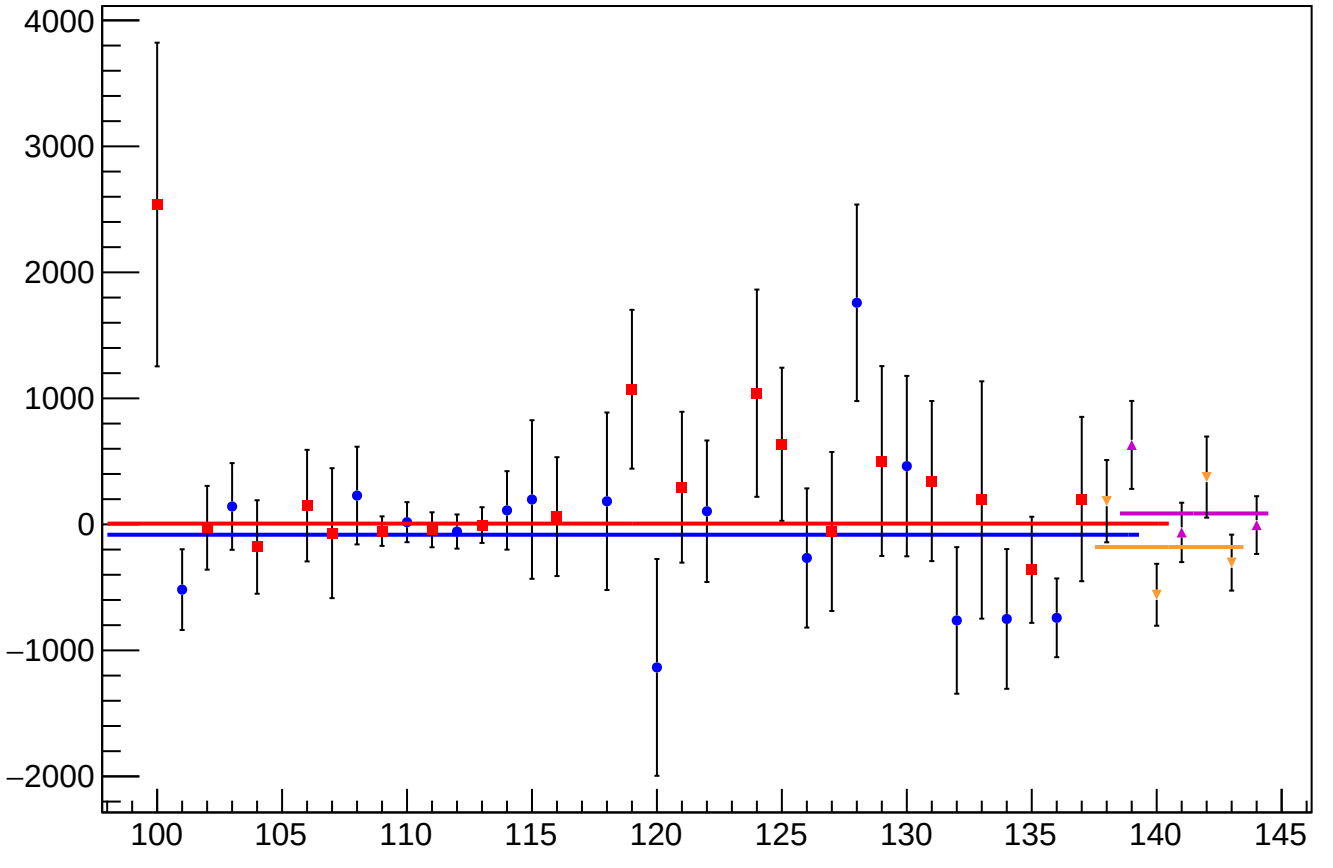
Left: 68.032+/-0.021 χ^2/NDF: 77711.0/6

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.198+/-0.015 χ^2/NDF:267404.4/18

Out: 69.027+/-0.015 χ^2/NDF:316533.2/22

All: 68.108+/-0.011 χ^2/NDF: 591030.1/41



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -180.012+/-133.787 χ^2/NDF:6.9/3

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.575+/-148.741 χ^2/NDF:3.0/2

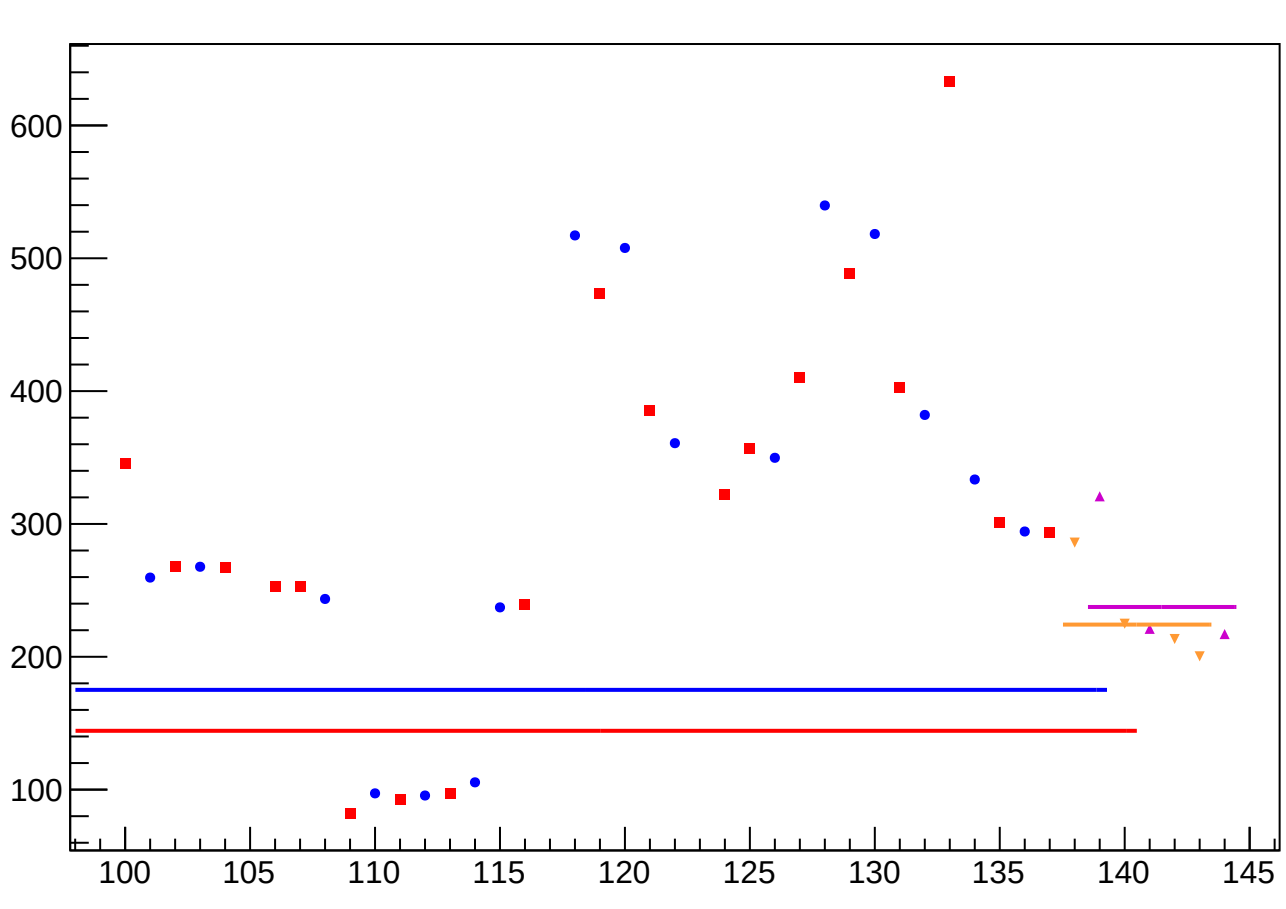
Left: -60.790+/-99.470 χ^2/NDF: 11.7/6

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -45.324+/-69.546 χ^2/NDF:23.2/18

Out: -30.278+/-59.125 χ^2/NDF:20.5/22

All: -36.590+/-45.046 χ^2/NDF: 43.7/41



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 224.239+/-0.095 χ^2/NDF:96897.8/3

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 237.496+/-0.105 χ^2/NDF:139413.5/2

Left: 230.168+/-0.070 χ^2/NDF: 245094.1/6

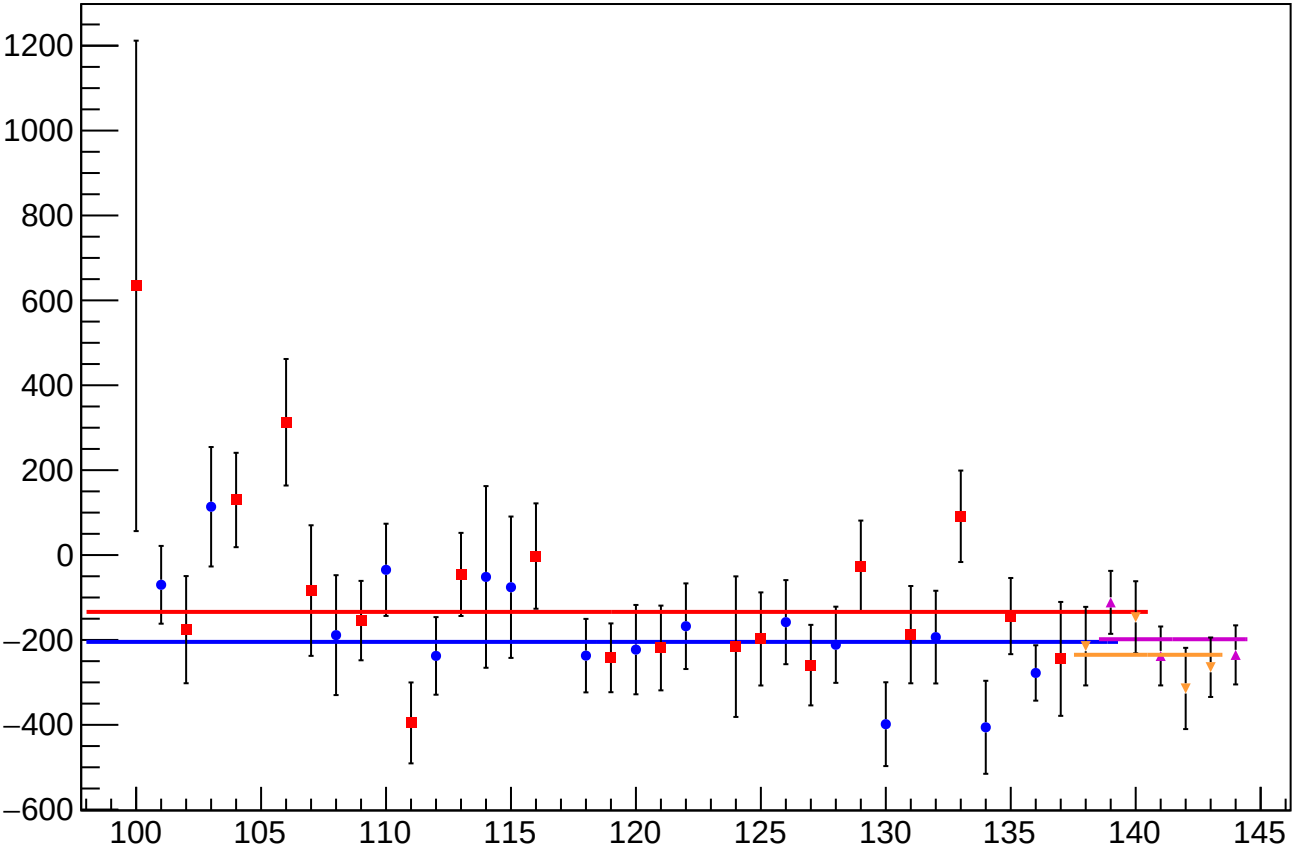
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 188.740+/-0.049 χ^2/NDF:4843503.3/18

Out: 159.893+/-0.042 χ^2/NDF:5804252.9/22

All: 171.996+/-0.032 χ^2/NDF: 10847497.2/41

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.965+/-41.944 χ^2/NDF:2.0/3

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -198.322+/-40.968 χ^2/NDF:2.0/2

Left: -216.212+/-29.308 χ^2/NDF: 4.4/6

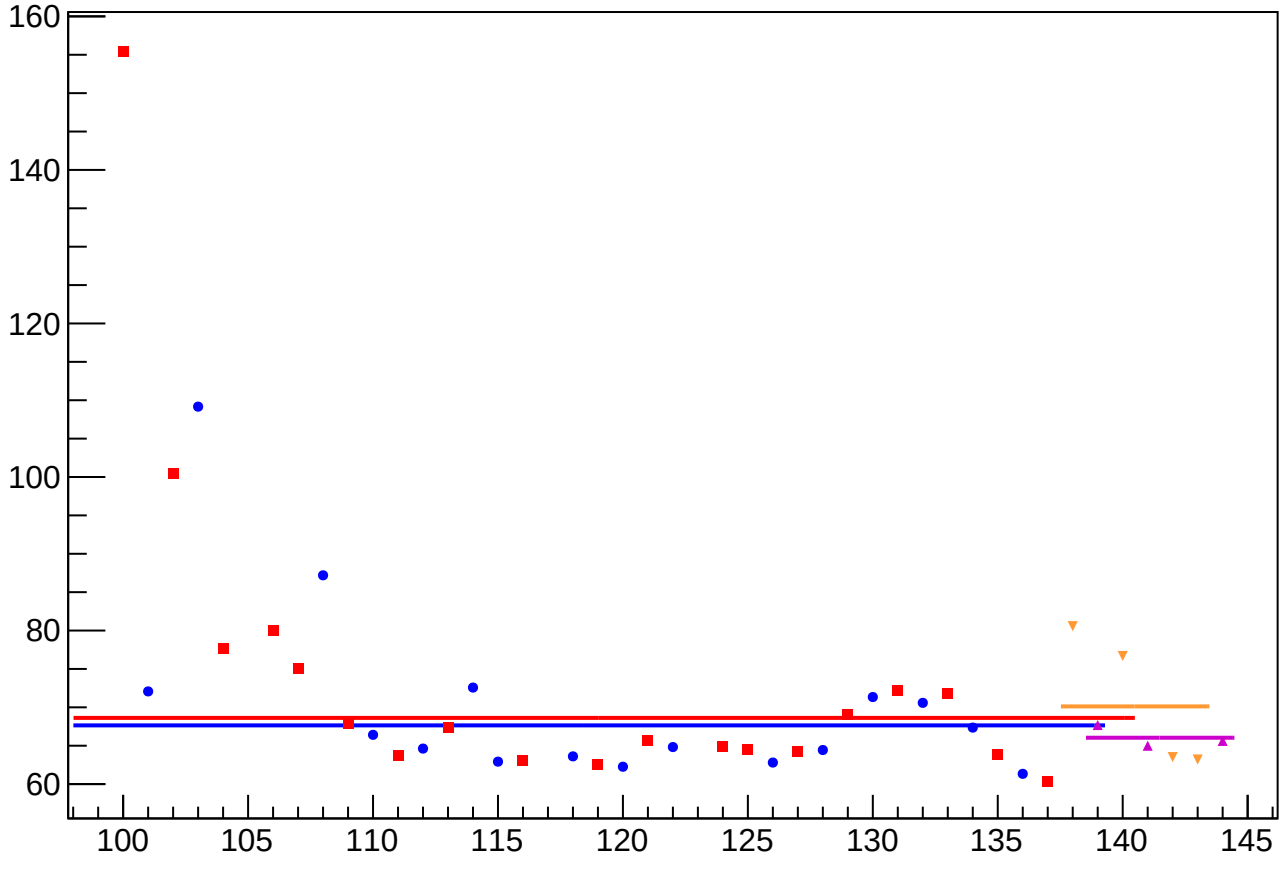
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -202.828+/-21.663 χ^2/NDF:22.0/18

Out: -161.167+/-21.779 χ^2/NDF:43.5/22

All: -182.108+/-15.359 χ^2/NDF: 67.3/41

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66509.6/3

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.040+/-0.029 χ^2/NDF:1515.3/2

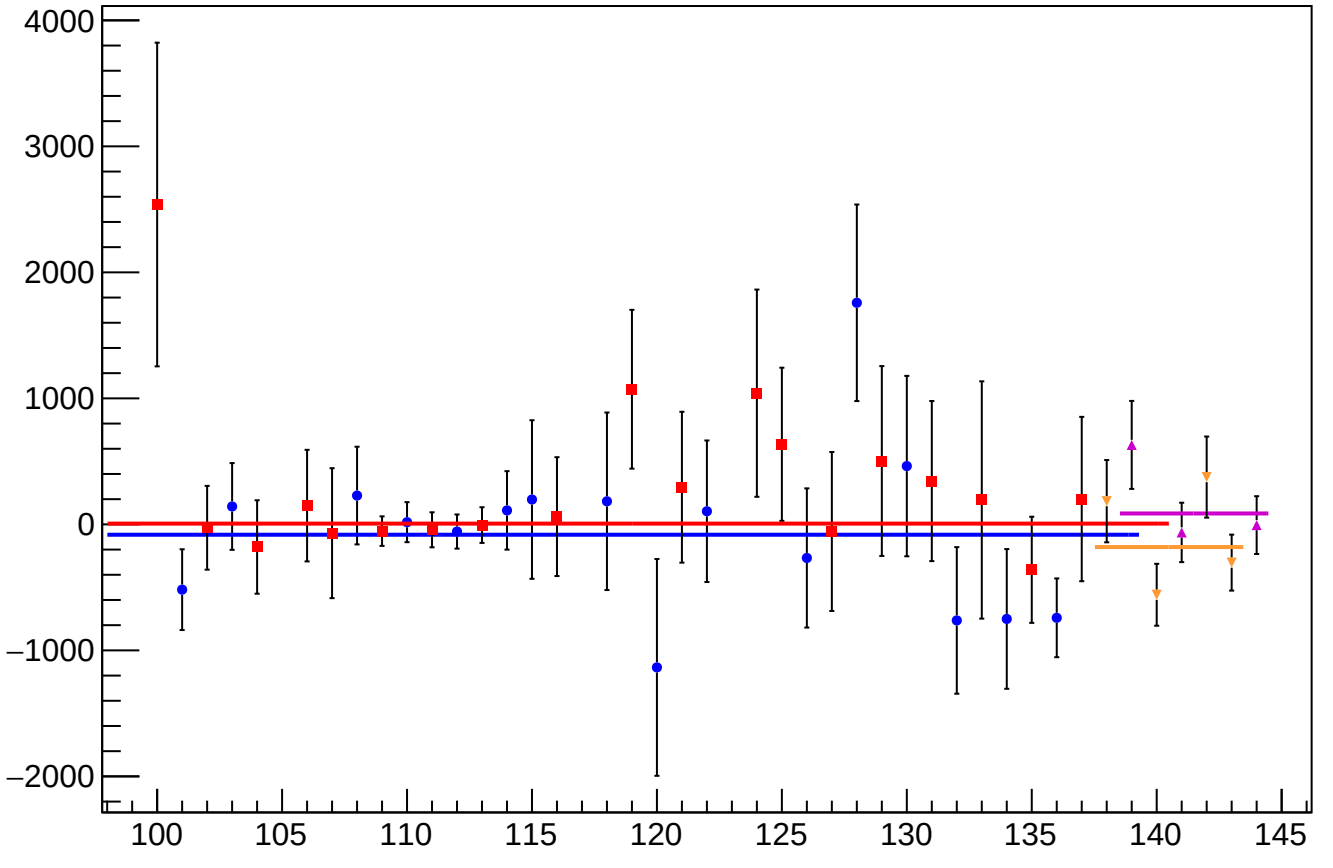
Left: 68.032+/-0.021 χ^2/NDF: 77709.1/6

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.198+/-0.015 χ^2/NDF:267402.6/18

Out: 69.027+/-0.015 χ^2/NDF:316533.7/22

All: 68.108+/-0.011 χ^2/NDF: 591028.6/41



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -180.013+/-133.786 χ^2/NDF:6.9/3

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.576+/-148.741 χ^2/NDF:3.0/2

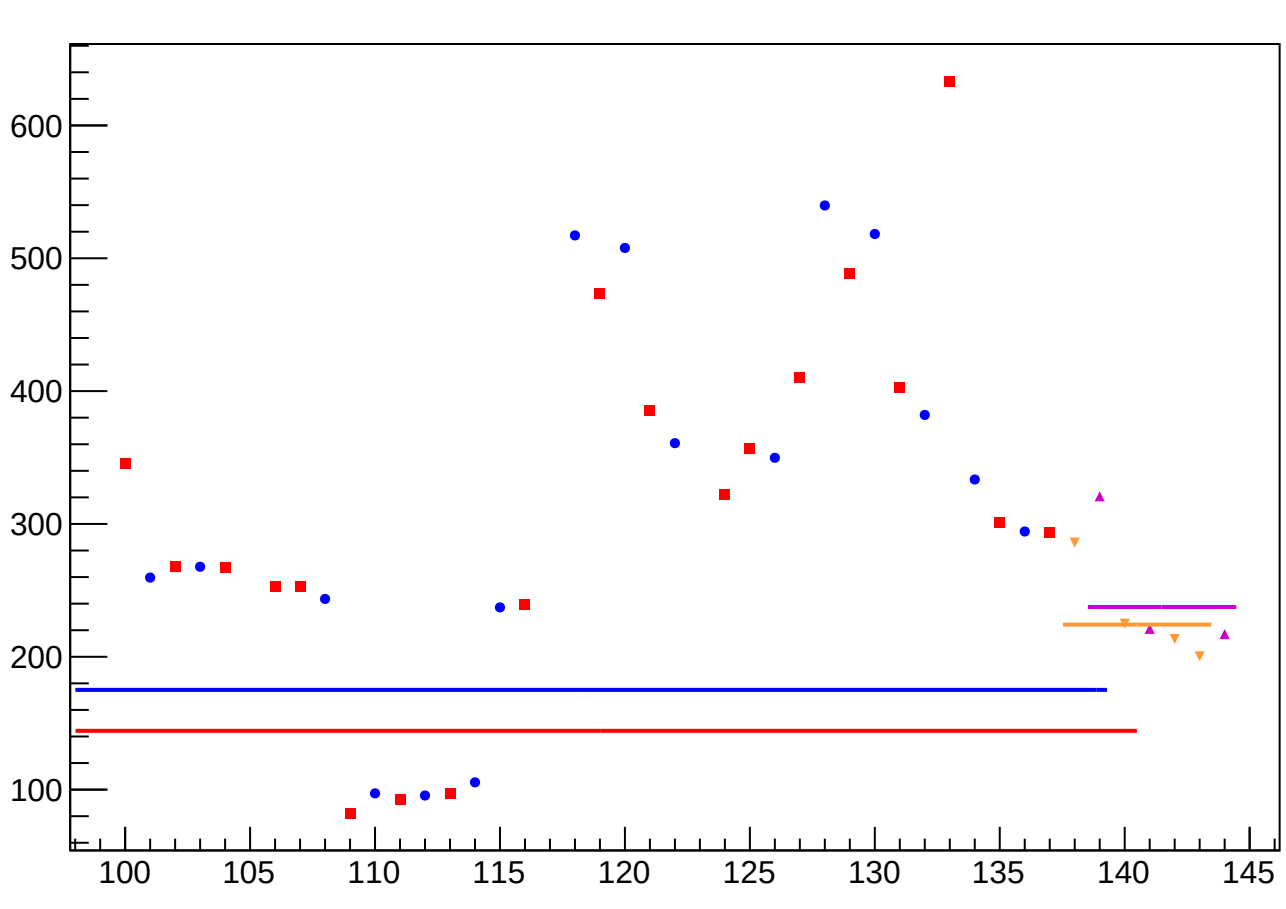
Left: -60.790+/-99.469 χ^2/NDF: 11.7/6

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -45.323+/-69.546 χ^2/NDF:23.2/18

Out: -30.279+/-59.124 χ^2/NDF:20.5/22

All: -36.591+/-45.046 χ^2/NDF: 43.7/41



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 224.238+/-0.095 χ^2/NDF:96897.8/3

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 237.495+/-0.105 χ^2/NDF:139412.1/2

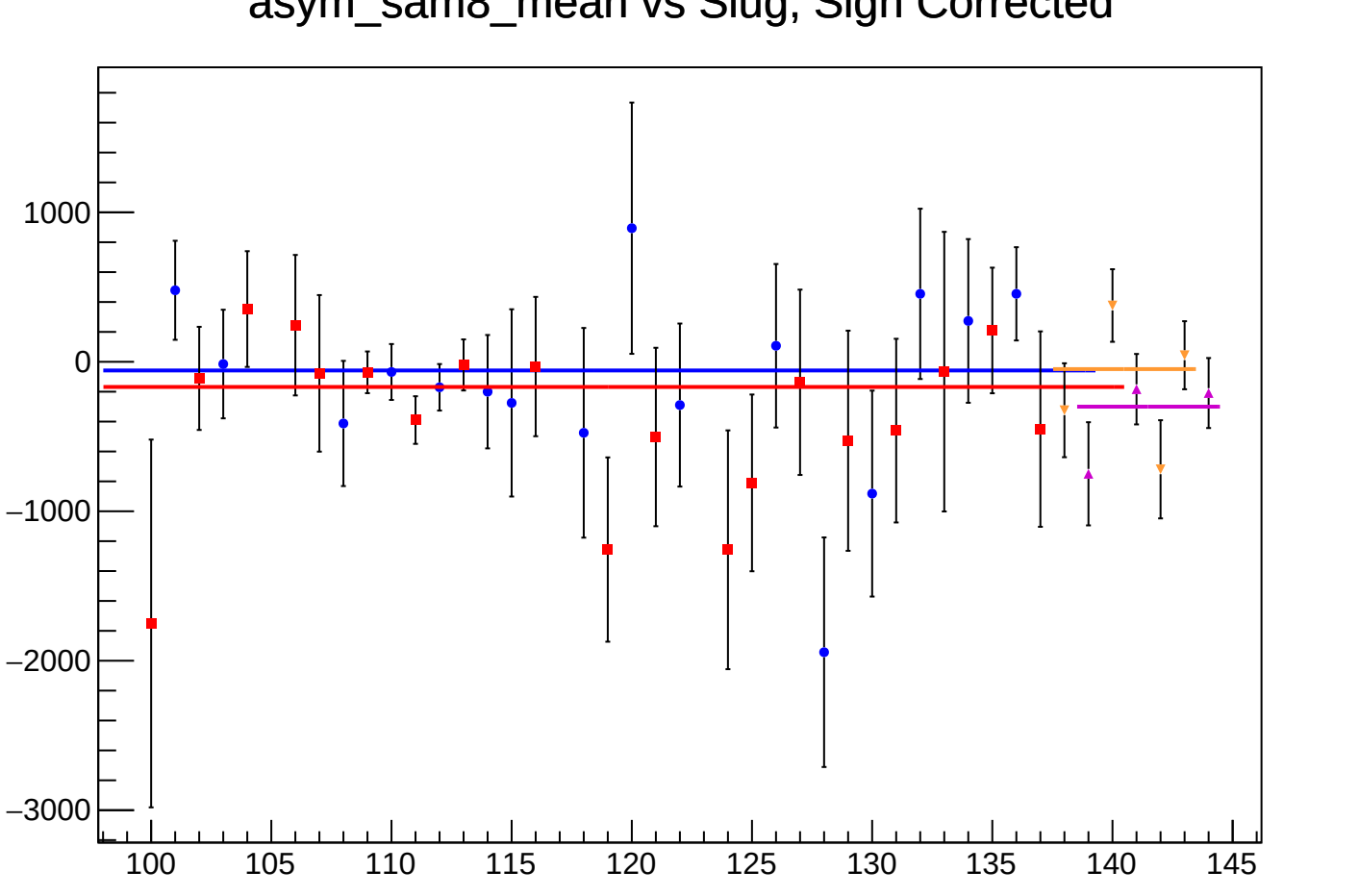
Left: 230.167+/-0.070 χ^2/NDF: 245093.3/6

Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 188.739+/-0.049 χ^2/NDF:4843530.9/18

Out: 159.893+/-0.042 χ^2/NDF:5804226.0/22

All: 171.995+/-0.032 χ^2/NDF: 10847487.0/41



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -48.792+/-134.038 χ^2/NDF:8.2/3

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -300.203+/-149.674 χ^2/NDF:2.1/2

Left: -160.683+/-99.851 χ^2/NDF: 11.8/6

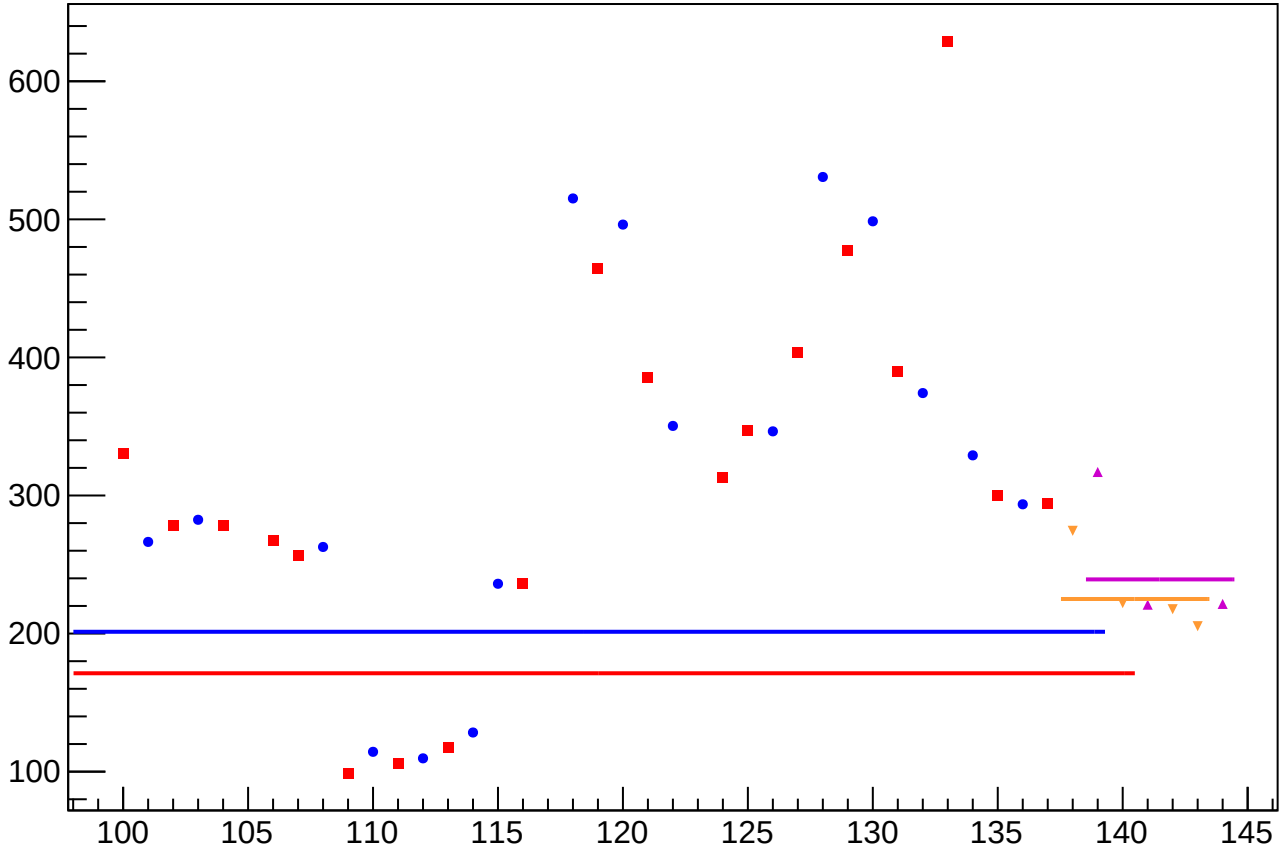
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -119.029+/-75.146 χ^2/NDF:21.4/18

Out: -140.054+/-65.183 χ^2/NDF:24.3/22

All: -131.027+/-49.240 χ^2/NDF: 45.7/41

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 225.043+/-0.095 χ^2/NDF:65701.6/3

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 239.232+/-0.106 χ^2/NDF:125194.7/2

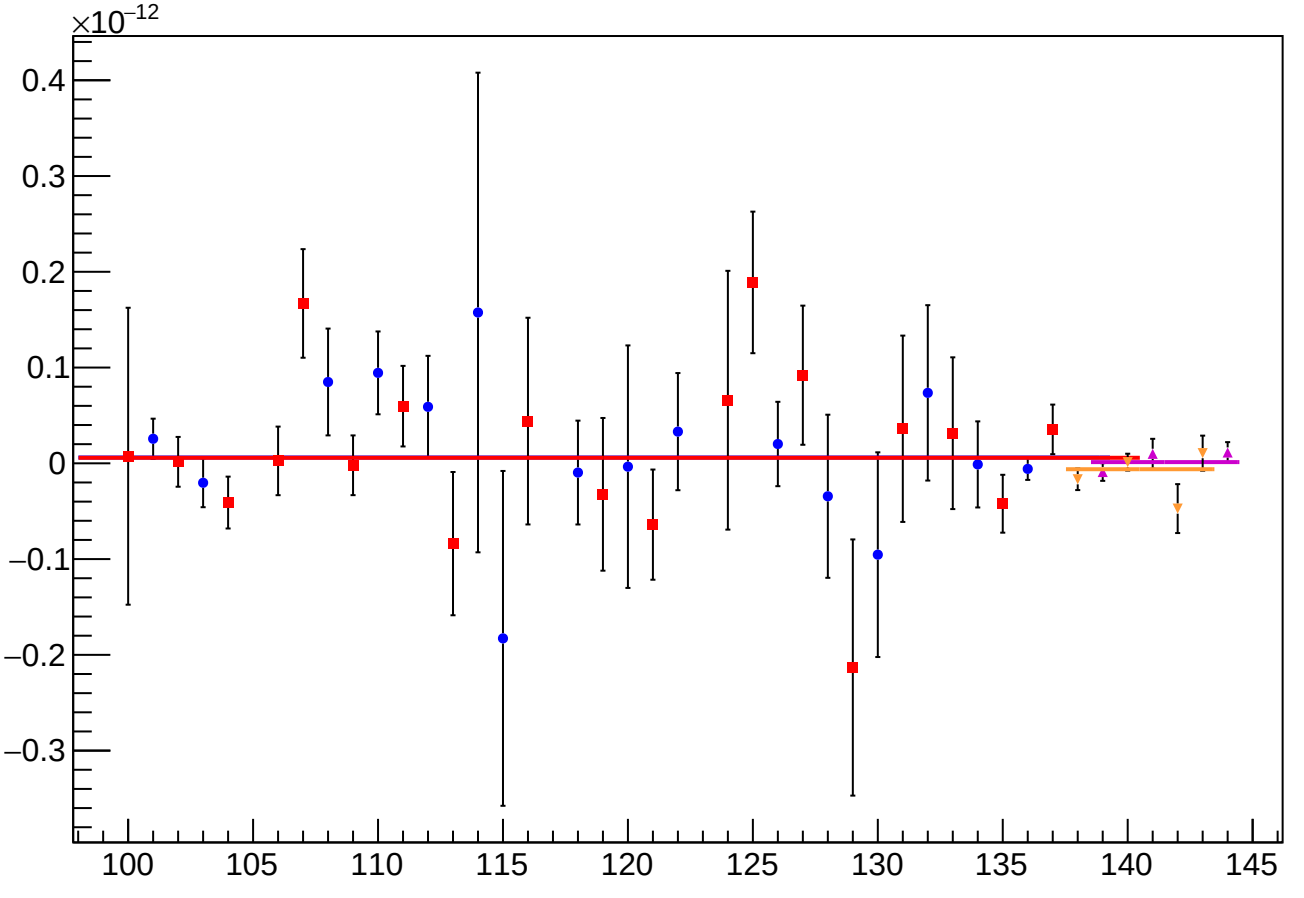
Left: 231.358+/-0.071 χ^2/NDF: 200871.5/6

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 210.862+/-0.053 χ^2/NDF:3793463.4/18

Out: 183.973+/-0.046 χ^2/NDF:4504185.3/22

All: 195.518+/-0.035 χ^2/NDF: 8443785.1/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

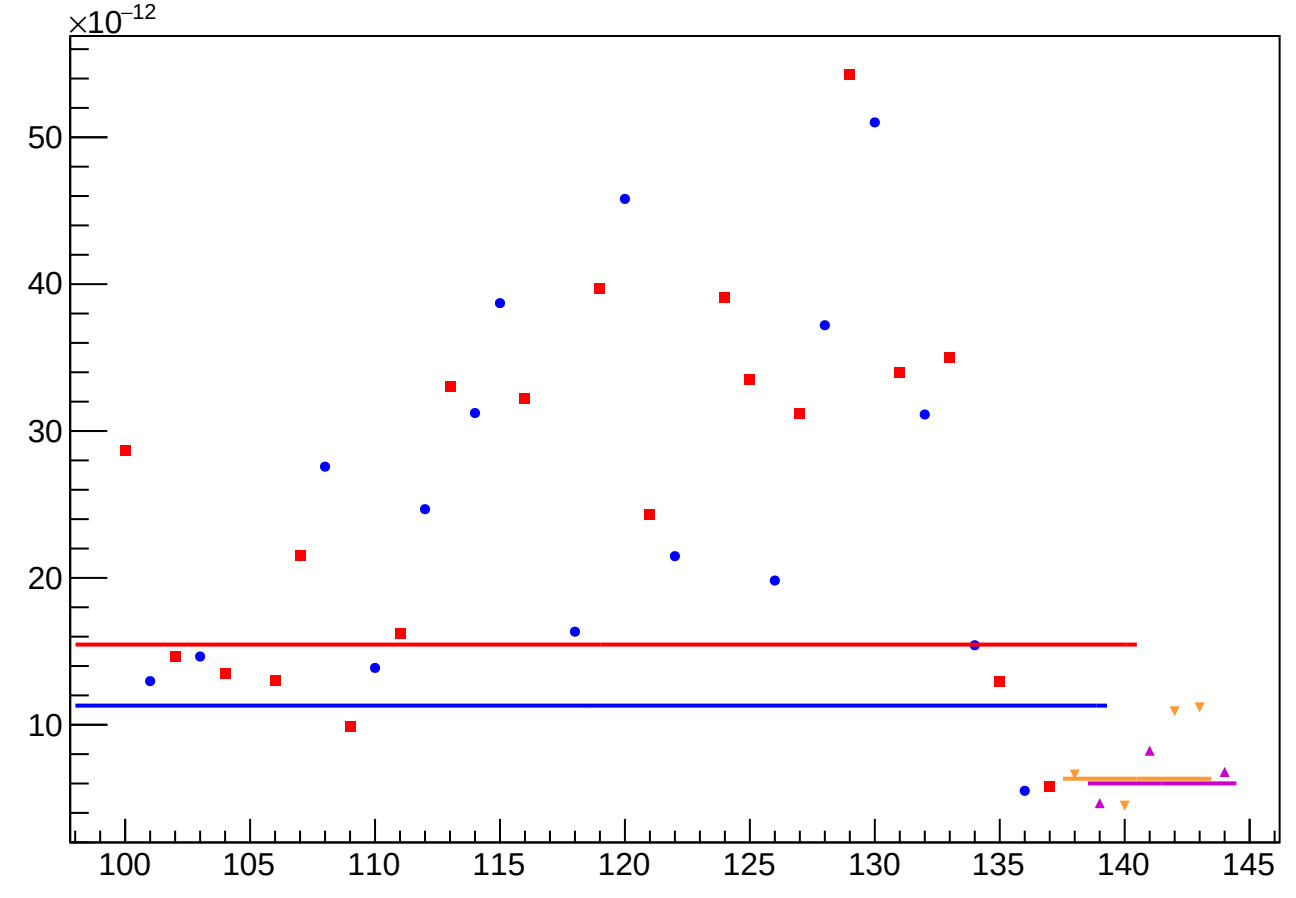
Left: -0.000+/-0.000 χ^2/NDF: 8.1/6

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:16.4/18

Out: -0.000+/-0.000 χ^2/NDF:36.5/22

All: 0.000+/-0.000 χ^2/NDF: 53.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:293766.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:93117.8/2

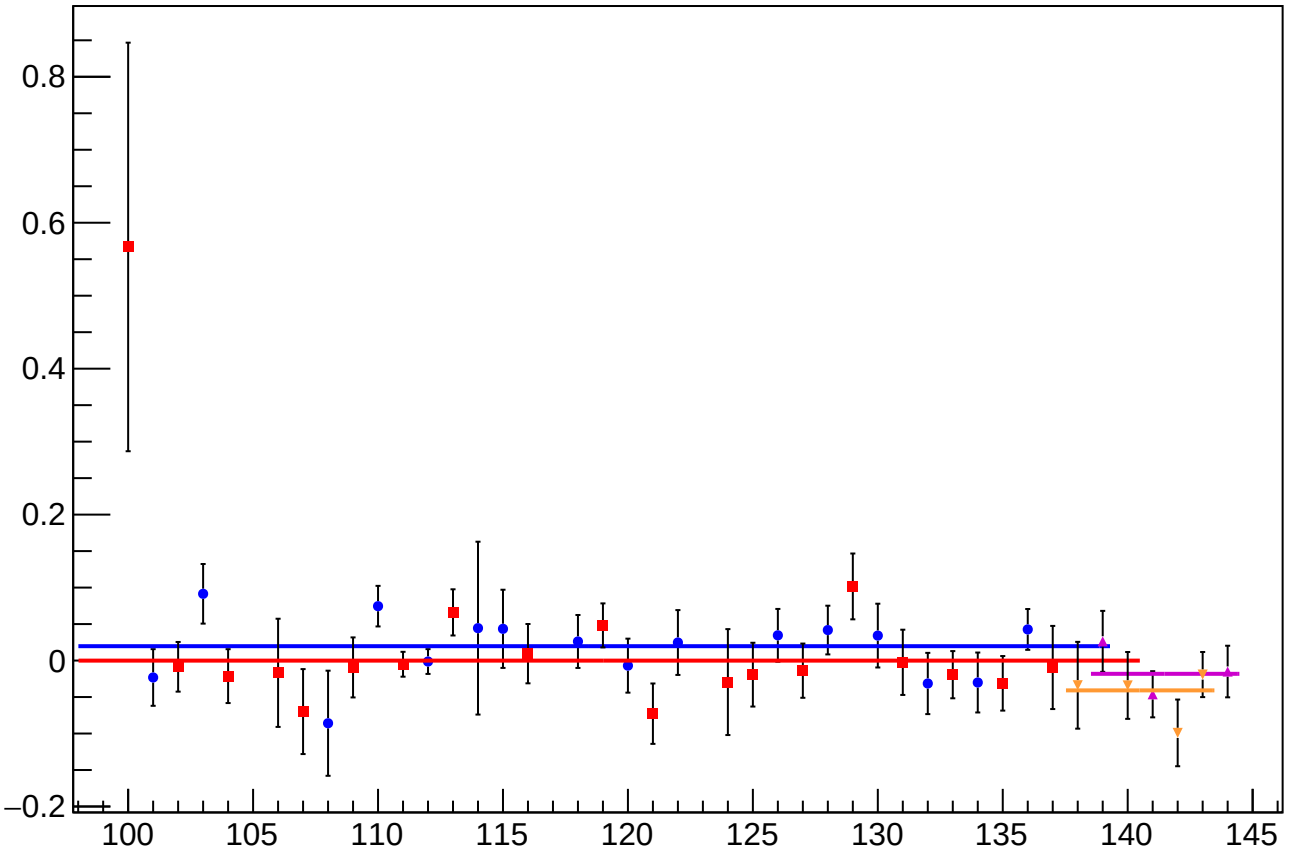
Left: 0.000+/-0.000 χ^2/NDF: 389394.6/6

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:2394645.3/18

Out: 0.000+/-0.000 χ^2/NDF:2898787.1/22

All: 0.000+/-0.000 χ^2/NDF: 5319852.9/41



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.018+/-0.021 χ^2/NDF:1.9/2

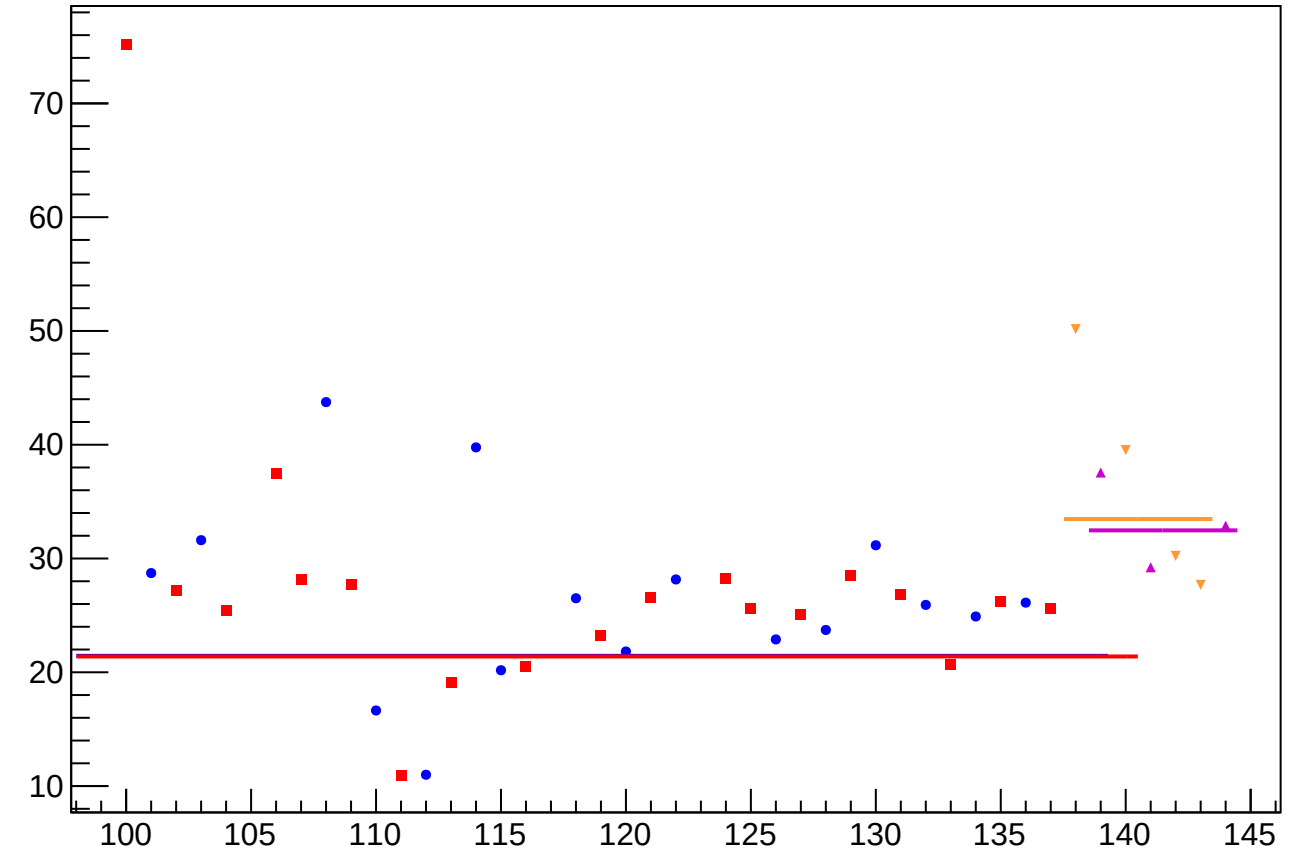
Left: -0.029+/-0.015 χ^2/NDF: 4.7/6

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.014+/-0.008 χ^2/NDF:21.8/18

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 53.2/41



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.474+/-0.015 χ^2/NDF:50952.8/2

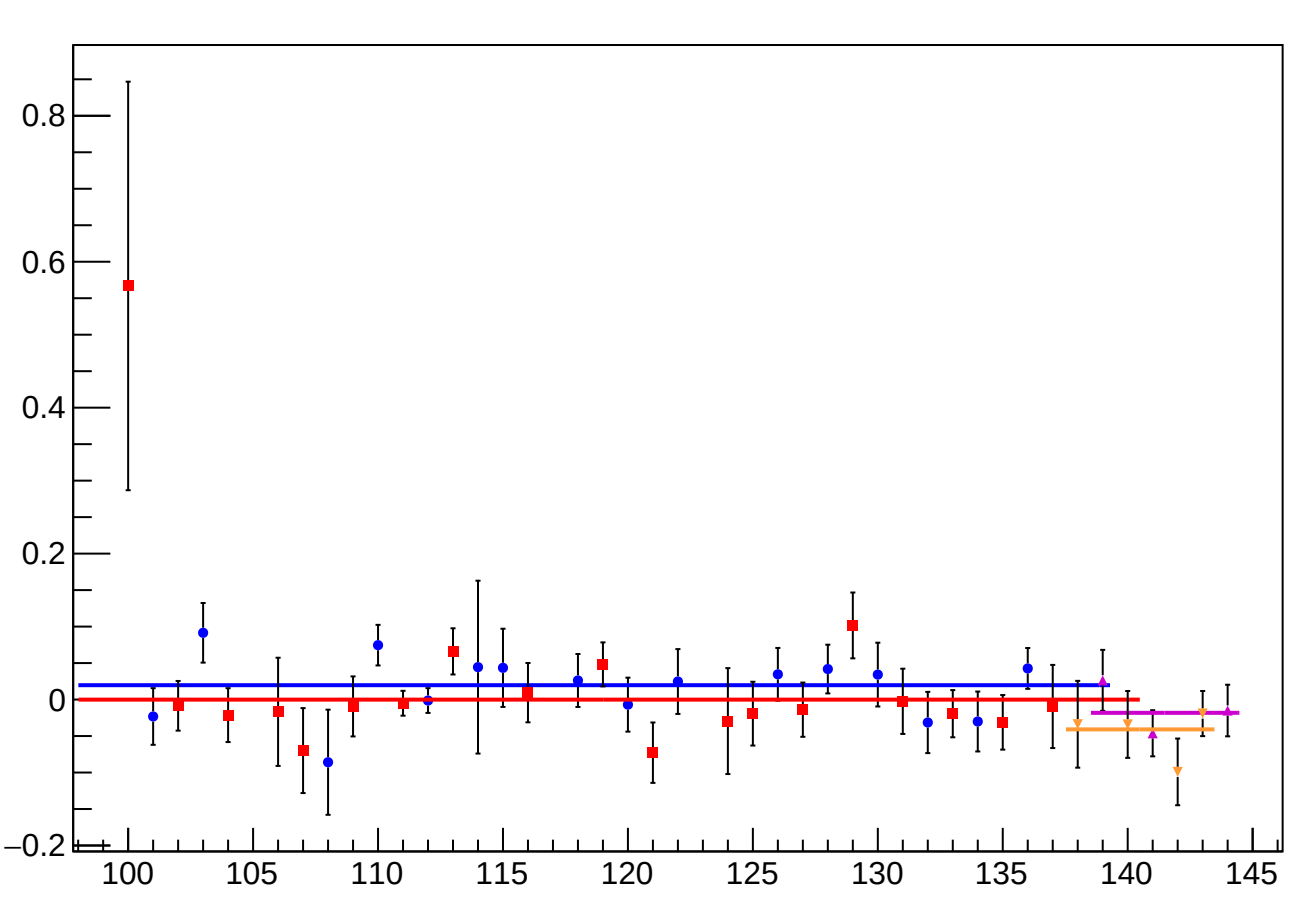
Left: 32.963+/-0.010 χ^2/NDF: 325891.5/6

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.119+/-0.006 χ^2/NDF:2081492.8/18

Out: 23.103+/-0.006 χ^2/NDF:2156684.9/22

All: 23.111+/-0.004 χ^2/NDF: 4238181.6/41



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.018+/-0.021 χ^2/NDF:1.9/2

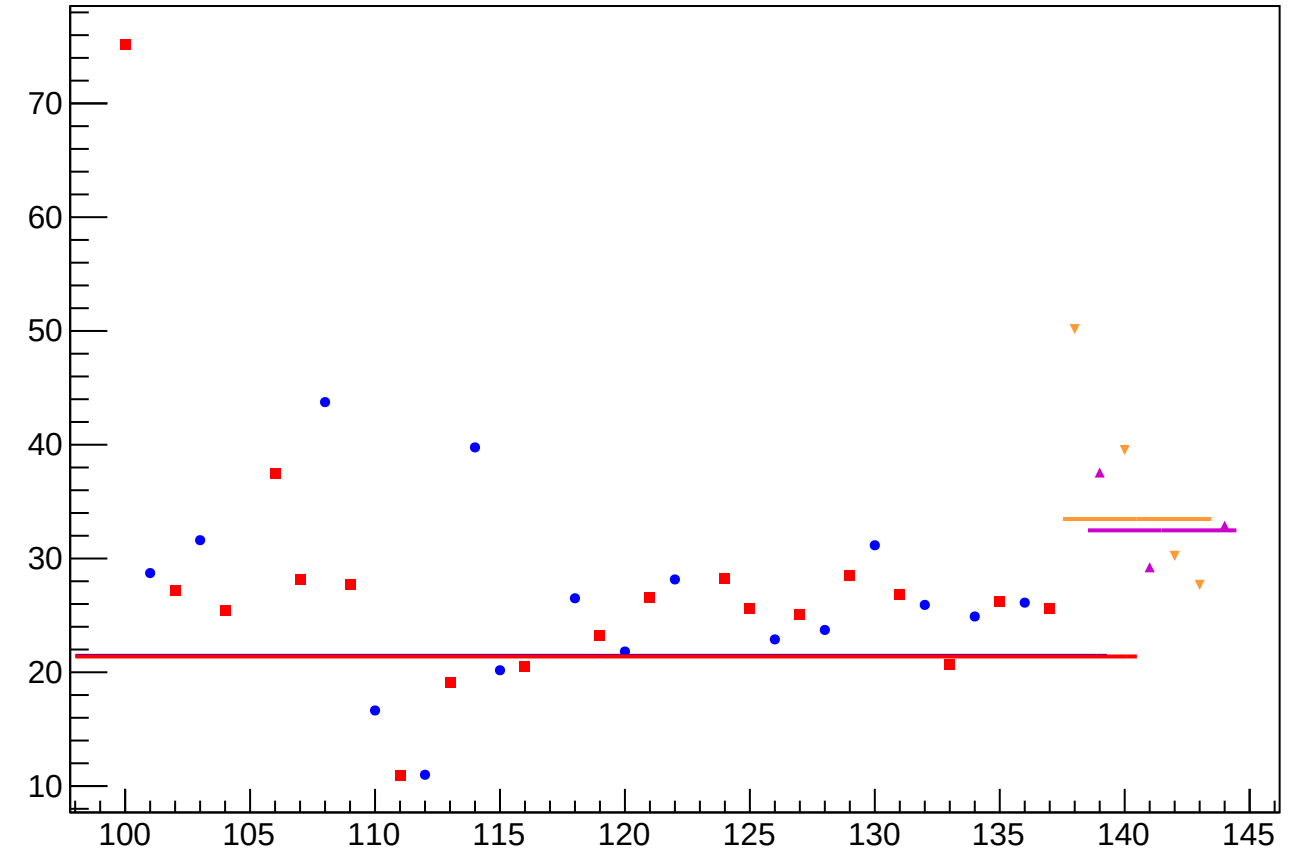
Left: -0.029+/-0.015 χ^2/NDF: 4.7/6

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.014+/-0.008 χ^2/NDF:21.8/18

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 53.2/41



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.474+/-0.015 χ^2/NDF:50952.8/2

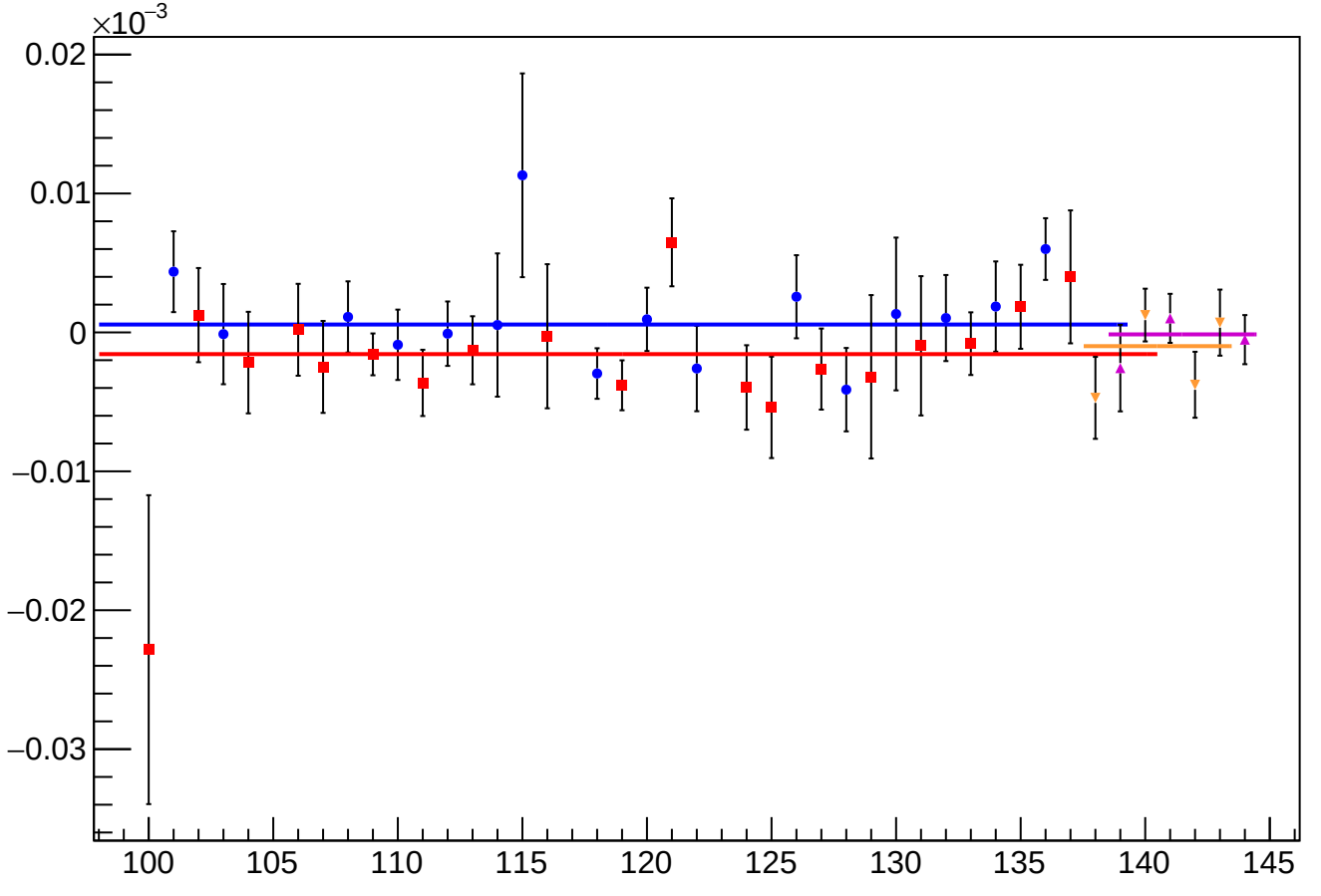
Left: 32.963+/-0.010 χ^2/NDF: 325891.5/6

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.119+/-0.006 χ^2/NDF:2081492.8/18

Out: 23.103+/-0.006 χ^2/NDF:2156684.9/22

All: 23.111+/-0.004 χ^2/NDF: 4238181.6/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/2

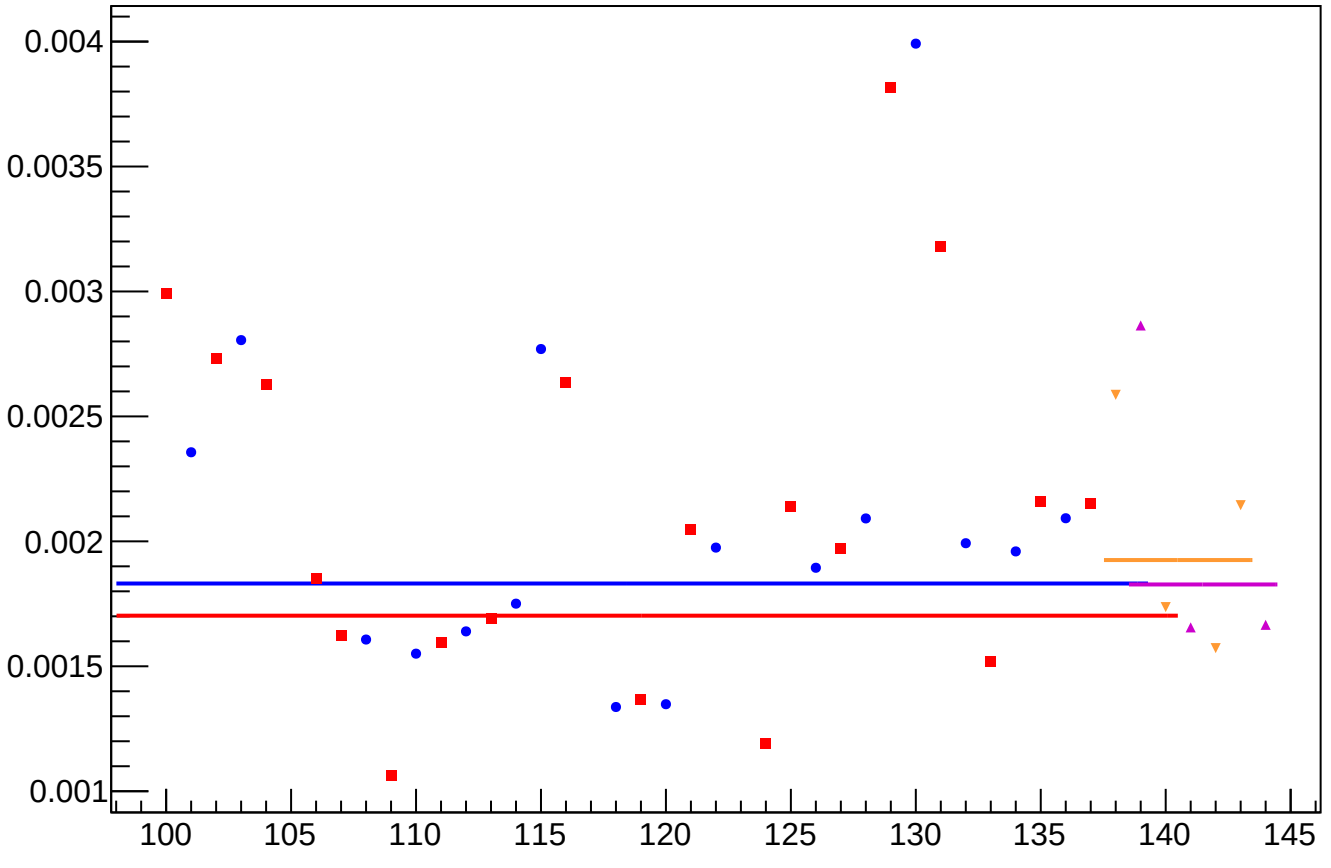
Left: -0.000+/-0.000 χ^2/NDF: 6.2/6

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:19.6/18

Out: -0.000+/-0.000 χ^2/NDF:23.3/22

All: -0.000+/-0.000 χ^2/NDF: 47.6/41



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:181310.1/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:257159.0/2

Left: 0.002+/-0.000 χ^2/NDF: 445587.8/6

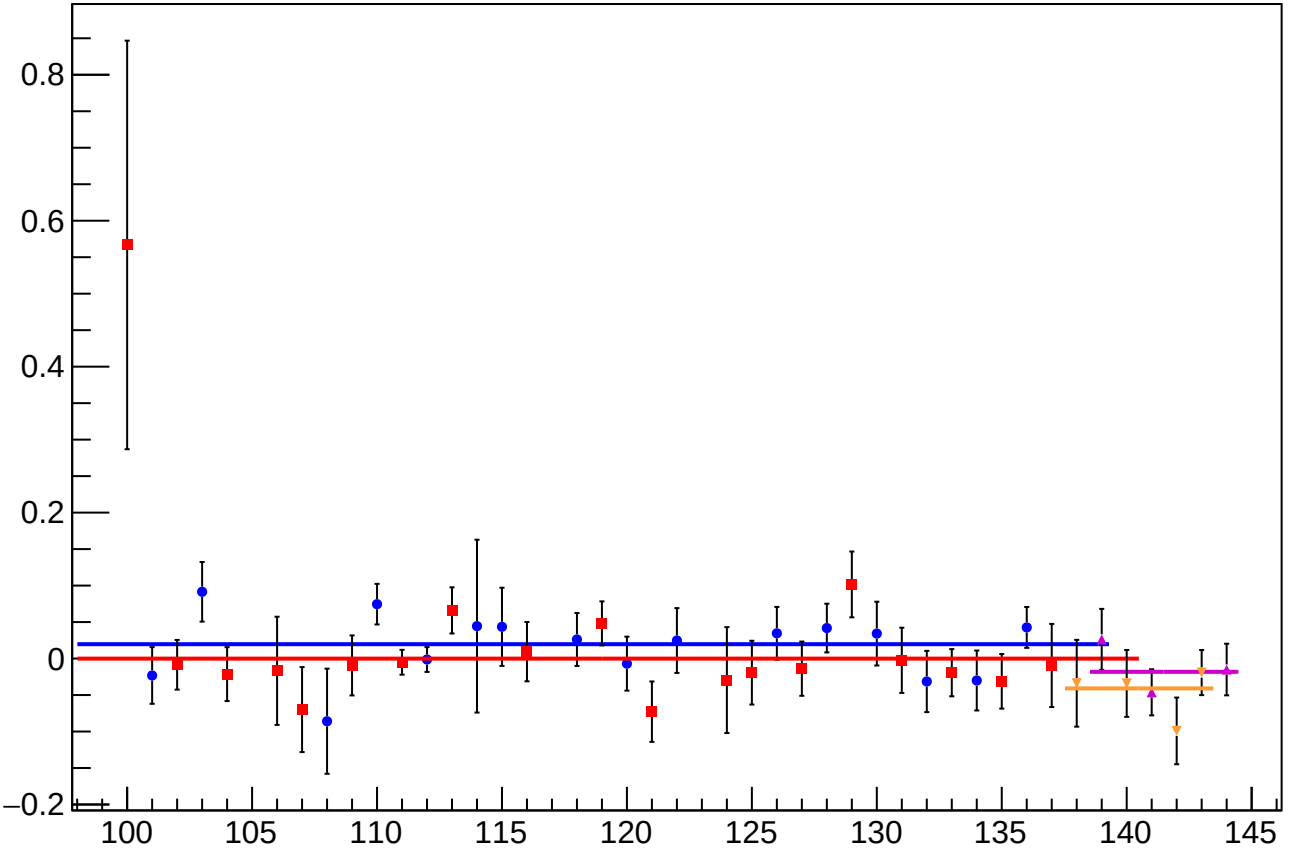
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1157580.9/18

Out: 0.002+/-0.000 χ^2/NDF:1715255.8/22

All: 0.002+/-0.000 χ^2/NDF: 2888312.7/41

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: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.018+/-0.021 χ^2/NDF:1.9/2

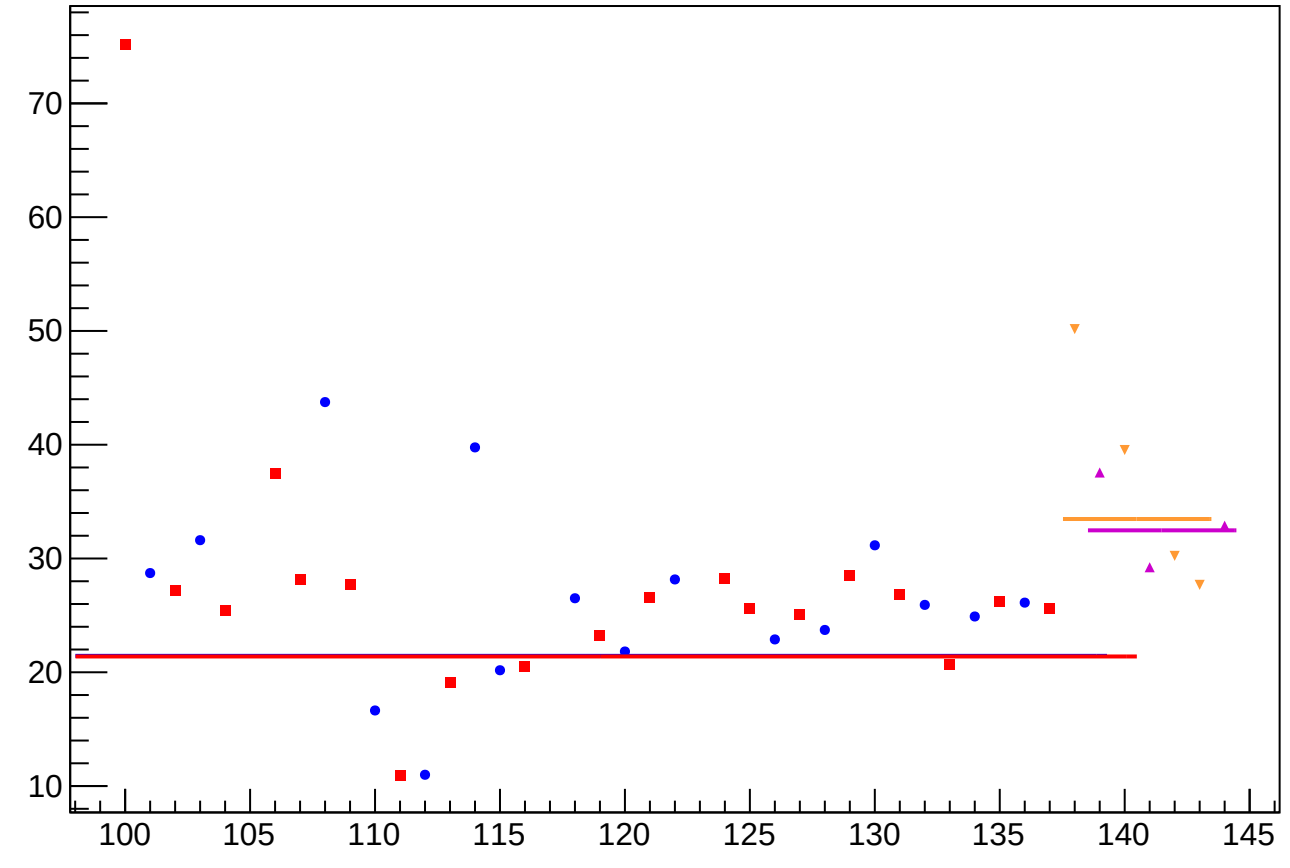
Left: -0.029+/-0.015 χ^2/NDF: 4.7/6

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.014+/-0.008 χ^2/NDF:21.8/18

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 53.2/41



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272611.8/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.474+/-0.015 χ^2/NDF:50950.2/2

Left: 32.963+/-0.010 χ^2/NDF: 325874.2/6

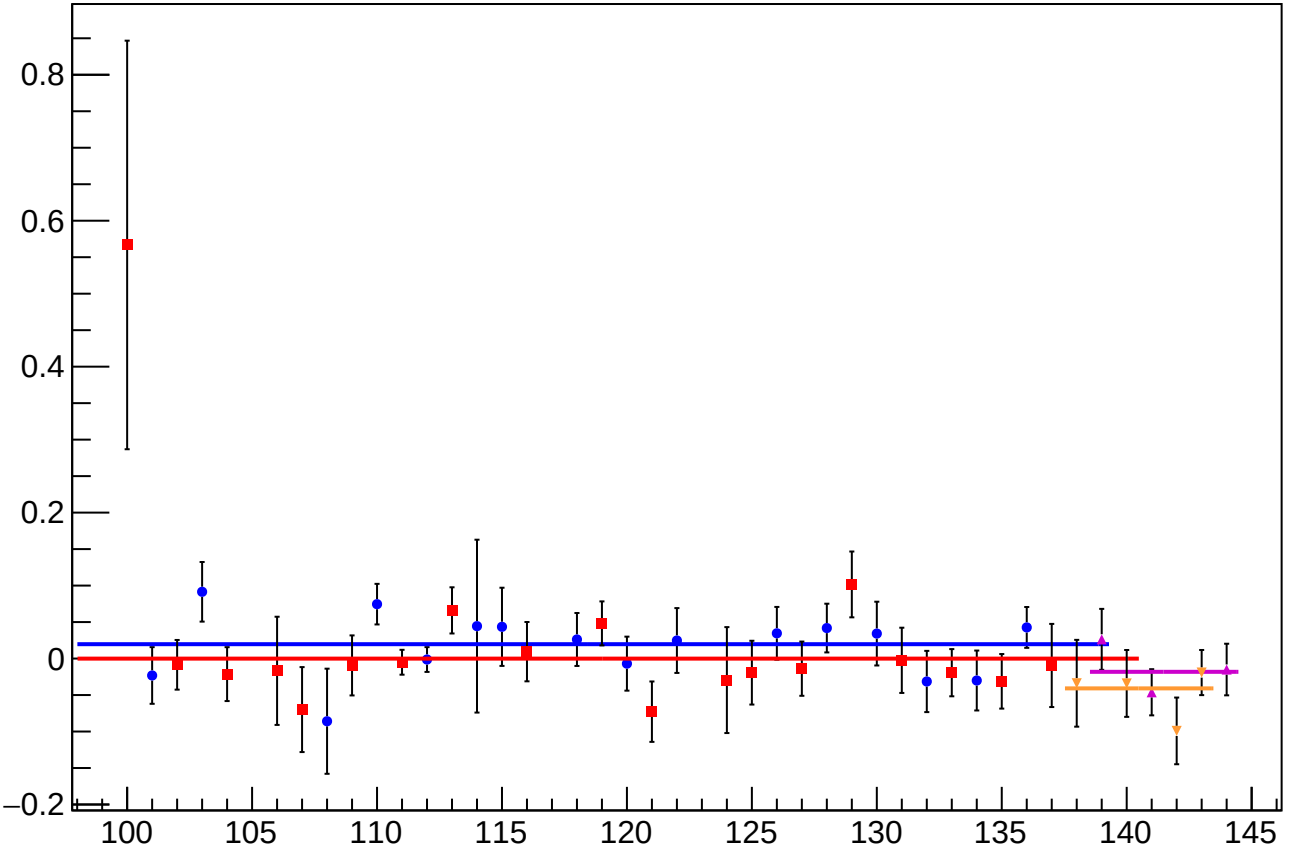
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.118+/-0.006 χ^2/NDF:2081712.9/18

Out: 23.102+/-0.006 χ^2/NDF:2156878.9/22

All: 23.110+/-0.004 χ^2/NDF: 4238595.7/41

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.018+/-0.021 χ^2/NDF:1.9/2

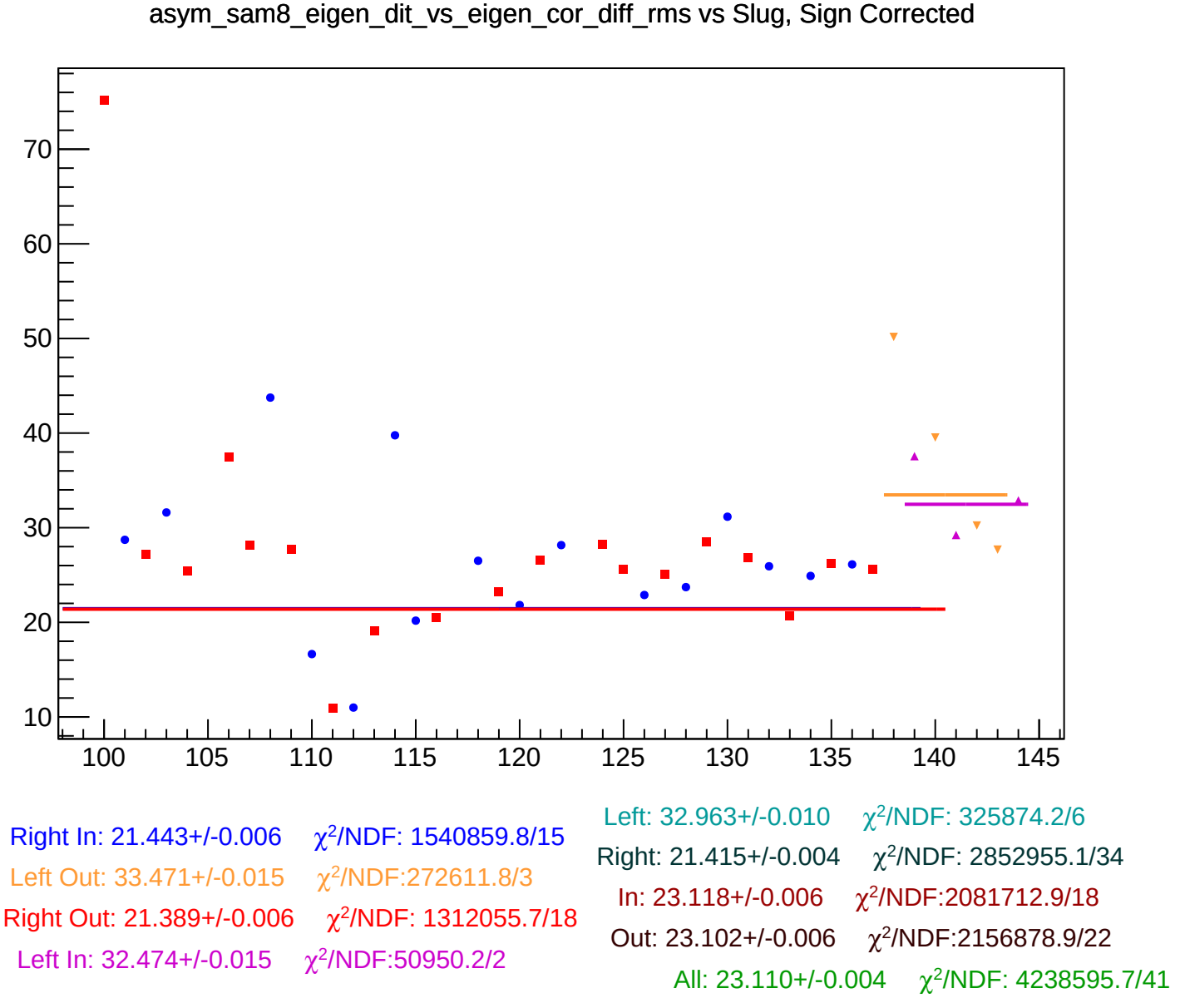
Left: -0.029+/-0.015 χ^2/NDF: 4.7/6

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.014+/-0.008 χ^2/NDF:21.8/18

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 53.2/41


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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20
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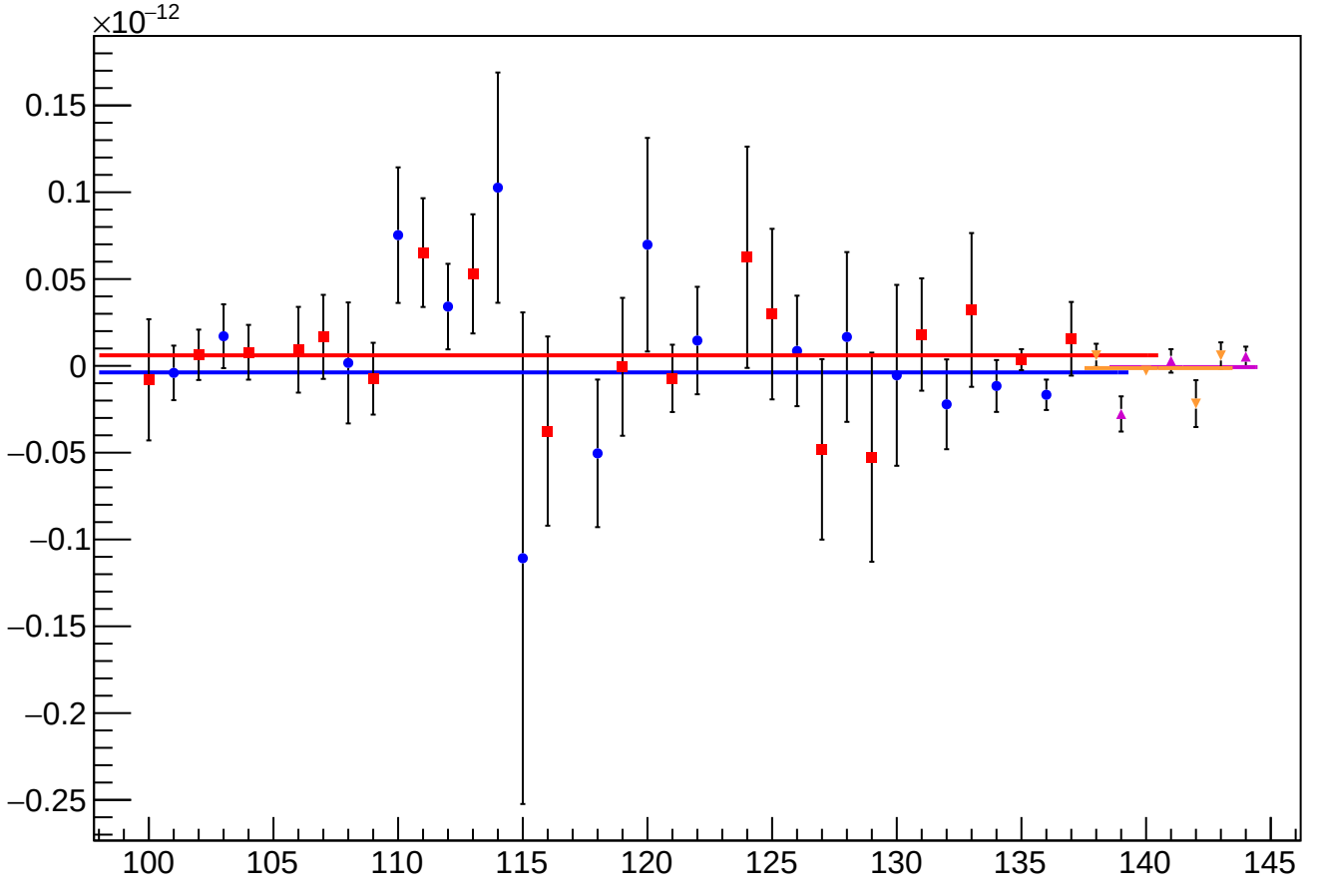
100
105
110
115
120
125
130
135
140
145
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 33.471+/-0.015 χ²/NDF:272611.8/3
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 32.474+/-0.015 χ²/NDF:50950.2/2
Left: 32.963+/-0.010 χ²/NDF: 325874.2/6
Right: 21.415+/-0.004 χ²/NDF: 2852955.1/34
In: 23.118+/-0.006 χ²/NDF:2081712.9/18
Out: 23.102+/-0.006 χ²/NDF:2156878.9/22
All: 23.110+/-0.004 χ²/NDF: 4238595.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/2

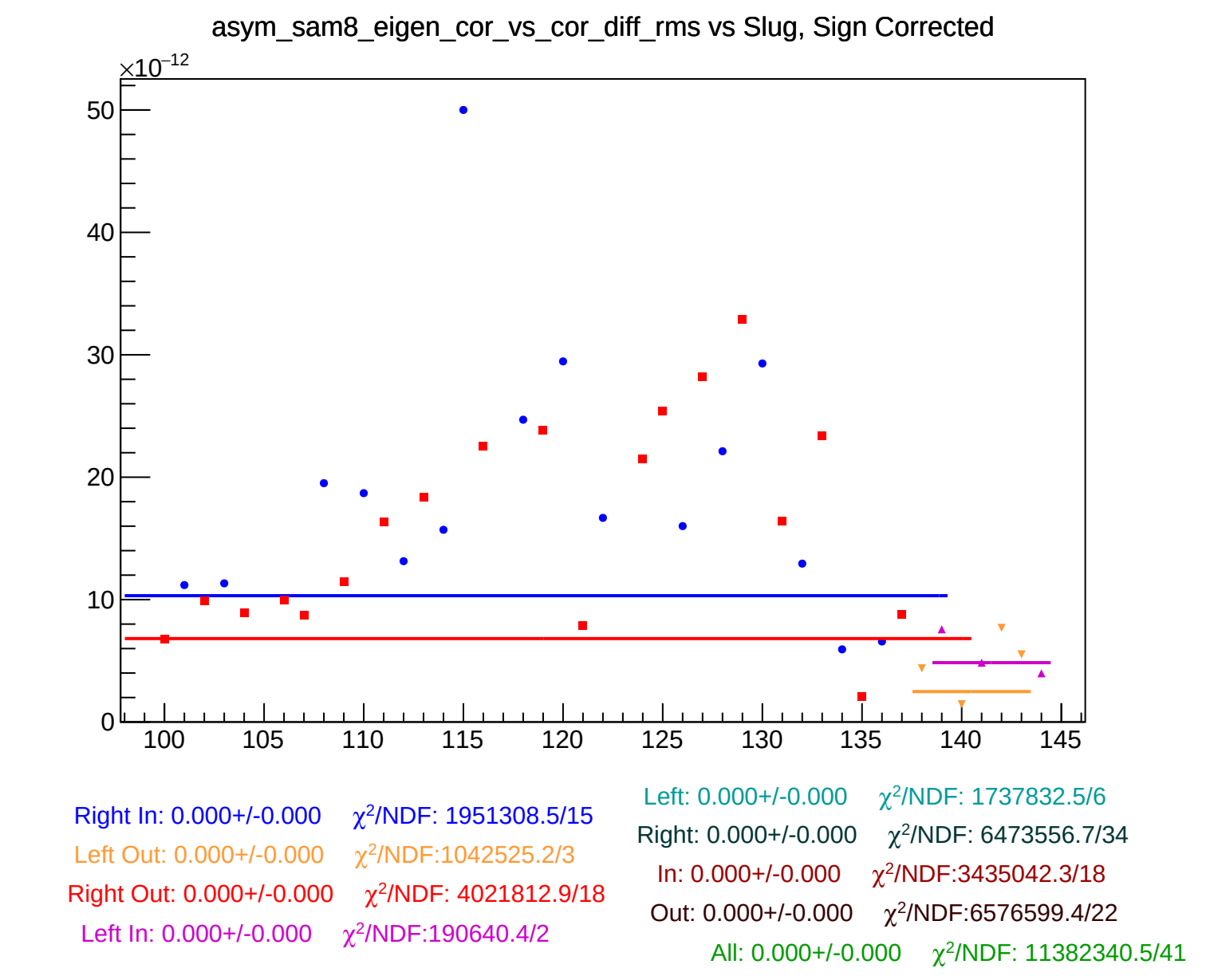
Left: -0.000+/-0.000 χ^2/NDF: 13.2/6

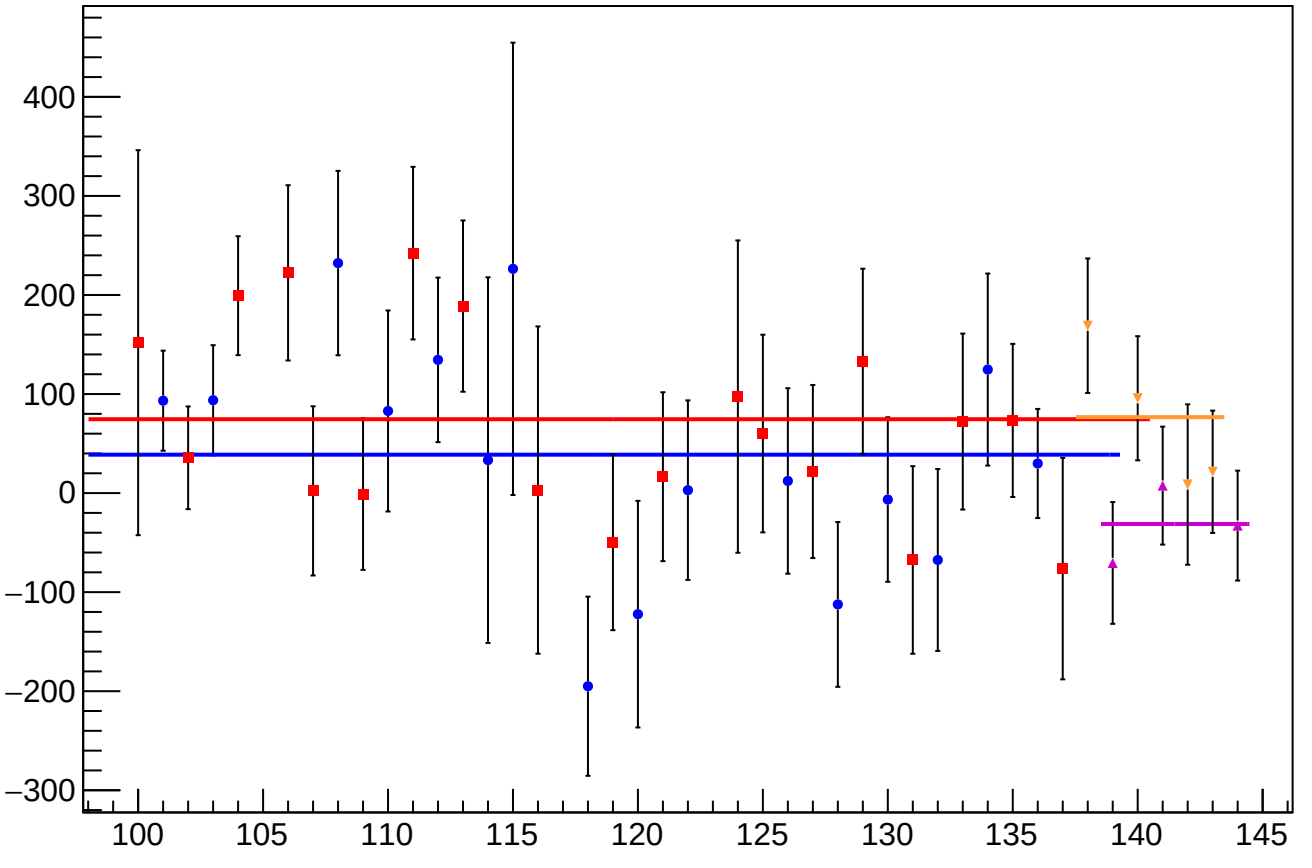
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:25.9/18

Out: 0.000+/-0.000 χ^2/NDF:18.2/22

All: -0.000+/-0.000 χ^2/NDF: 44.4/41


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1042525.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:190640.4/2
Left: 0.000+/-0.000 χ²/NDF: 1737832.5/6
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3435042.3/18
Out: 0.000+/-0.000 χ²/NDF:6576599.4/22
All: 0.000+/-0.000 χ²/NDF: 11382340.5/41



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.694+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -31.210+/-33.873 χ^2/NDF:0.8/2

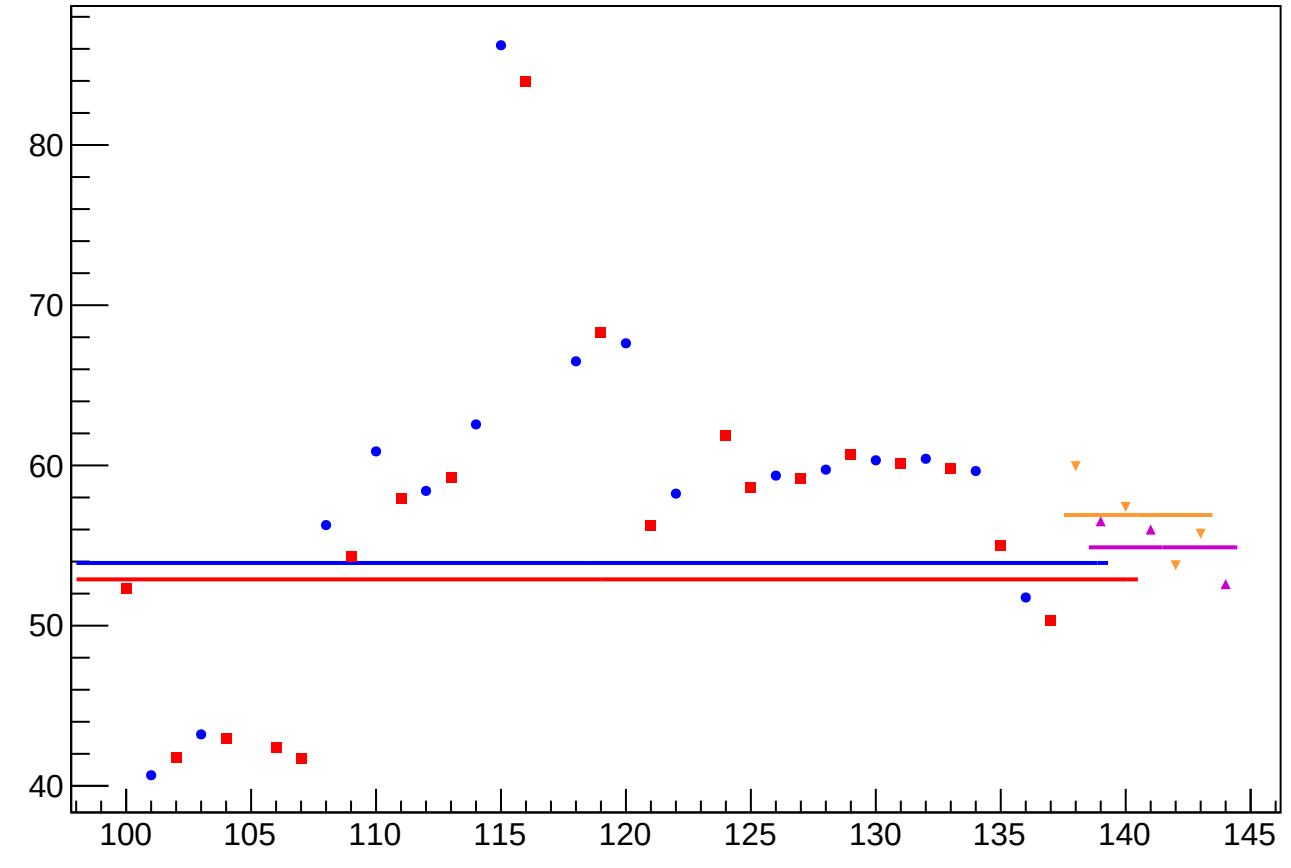
Left: 23.202+/-23.850 χ^2/NDF: 9.4/6

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 20.135+/-17.484 χ^2/NDF:27.3/18

Out: 75.124+/-17.058 χ^2/NDF:25.9/22

All: 48.308+/-12.209 χ^2/NDF: 58.2/41



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

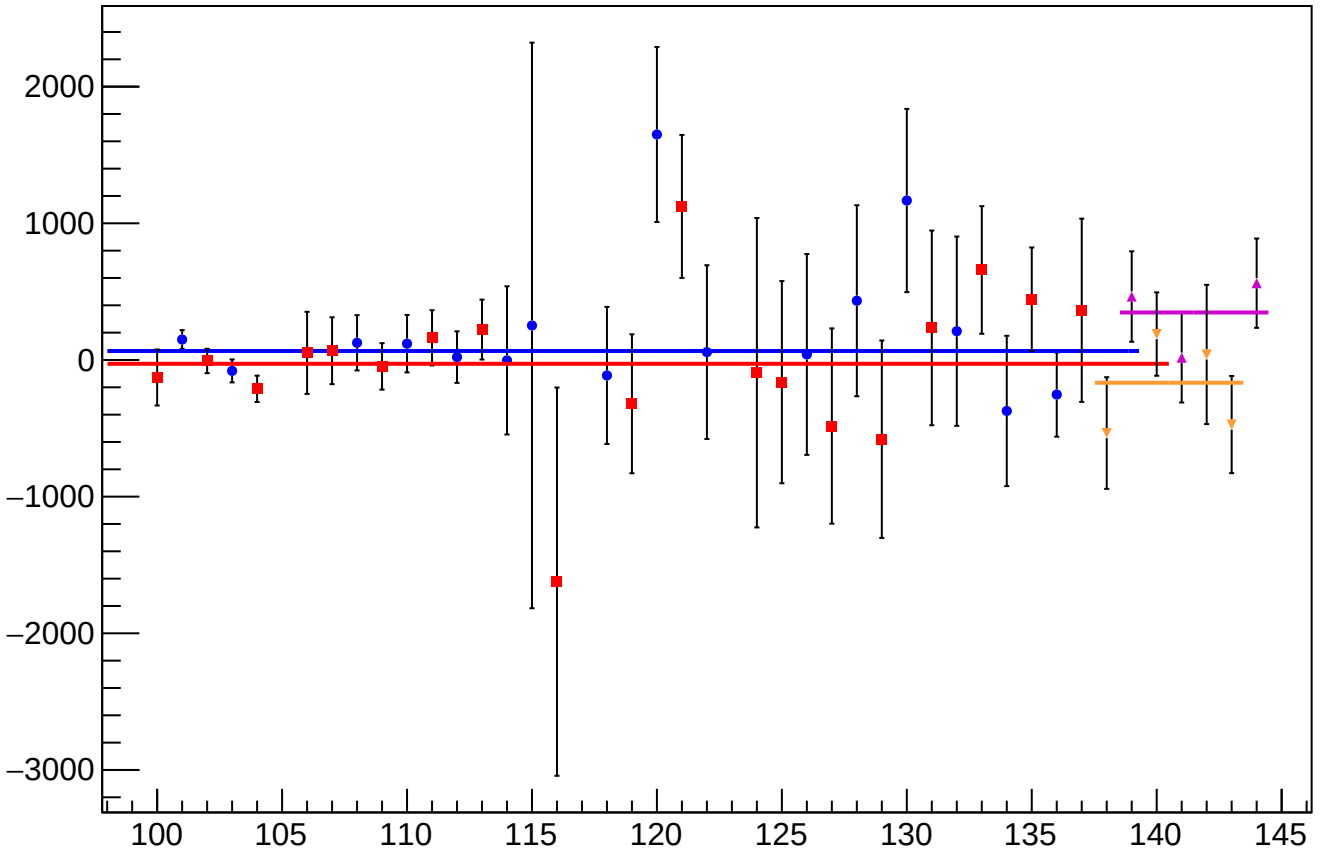
Left: 55.906+/-0.017 χ^2/NDF: 16991.1/6

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.172+/-0.012 χ^2/NDF:400000.1/18

Out: 53.925+/-0.012 χ^2/NDF:454349.1/22

All: 54.046+/-0.009 χ^2/NDF: 854553.0/41



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -166.492+/-187.316 χ^2/NDF:3.1/3

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 347.558+/-189.675 χ^2/NDF:1.6/2

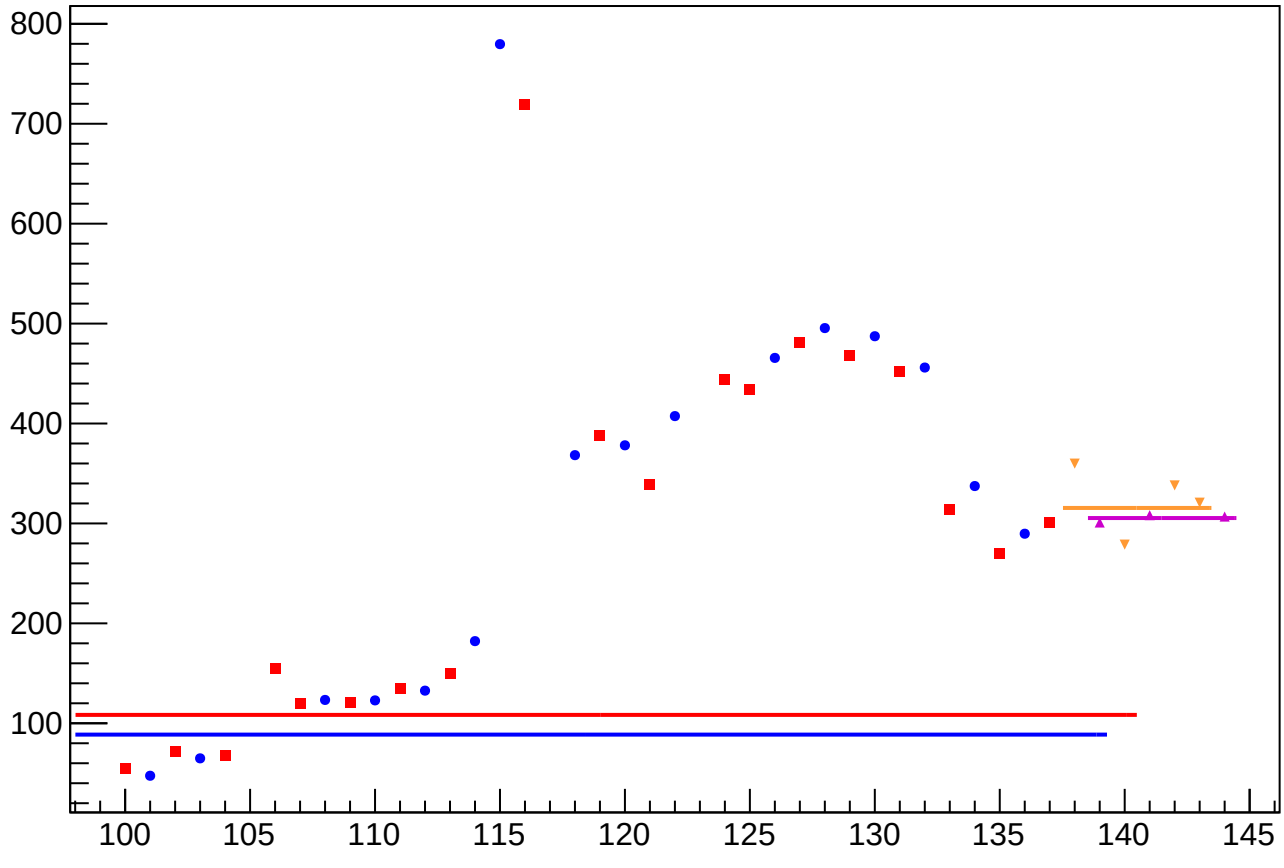
Left: 87.317+/-133.278 χ^2/NDF: 8.4/6

Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 81.810+/-45.143 χ^2/NDF:19.4/18

Out: -37.172+/-48.571 χ^2/NDF:21.6/22

All: 26.666+/-33.066 χ^2/NDF: 44.2/41



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.5/3

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 305.392+/-0.134 χ^2/NDF:560.9/2

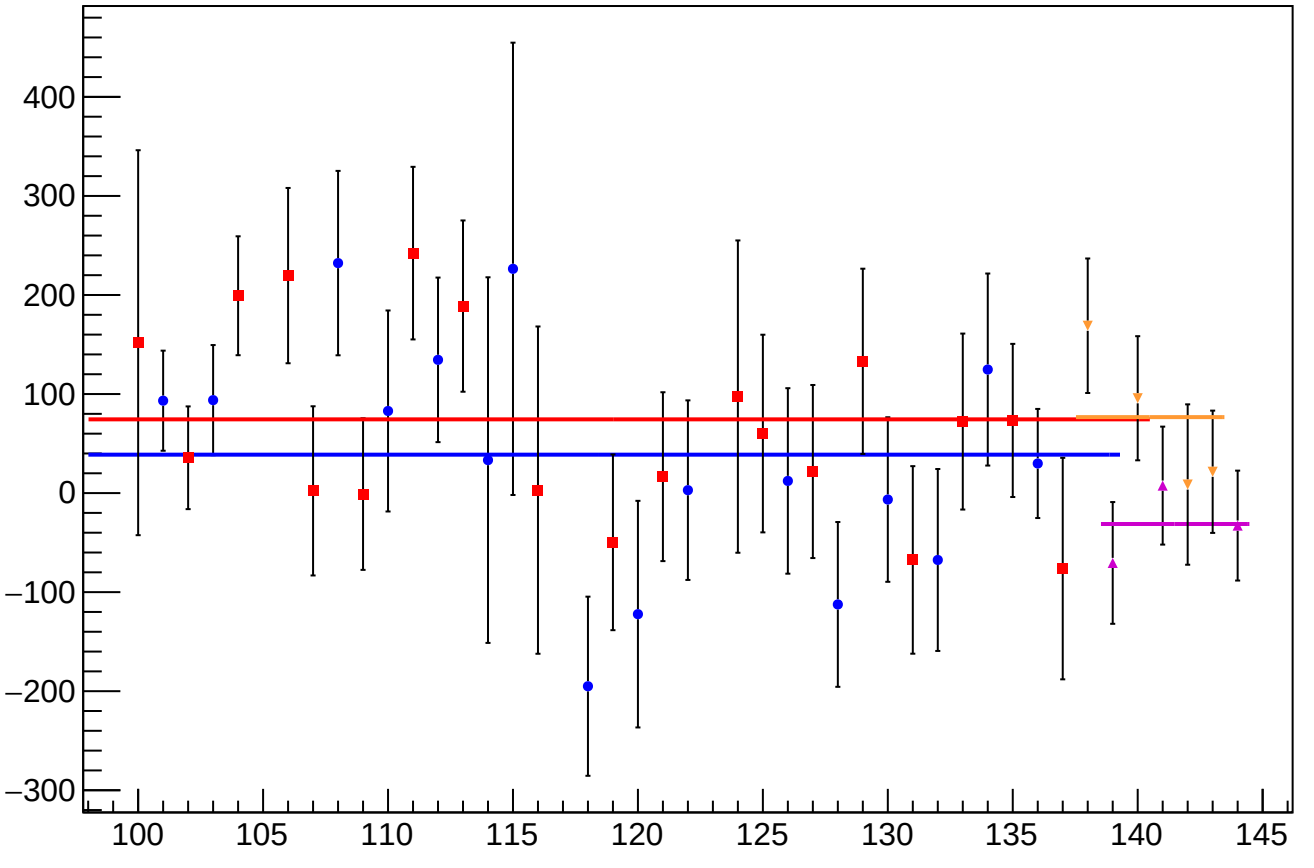
Left: 310.506+/-0.094 χ^2/NDF: 60319.9/6

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 100.935+/-0.032 χ^2/NDF:9112052.2/18

Out: 122.311+/-0.034 χ^2/NDF:7700347.4/22

All: 110.842+/-0.023 χ^2/NDF: 17020236.2/41



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -31.206+/-33.873 χ^2/NDF:0.8/2

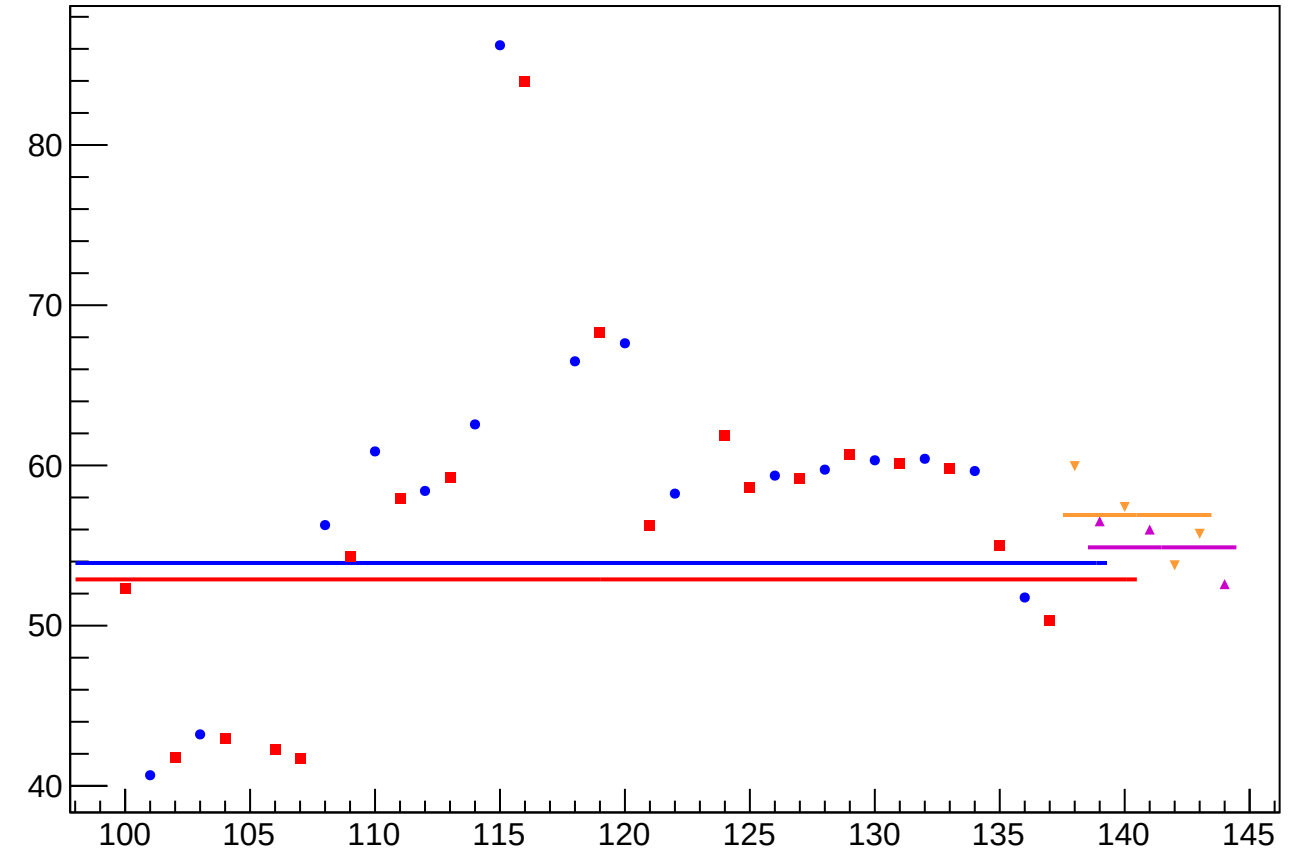
Left: 23.206+/-23.850 χ^2/NDF: 9.4/6

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 20.145+/-17.484 χ^2/NDF:27.3/18

Out: 75.024+/-17.059 χ^2/NDF:25.8/22

All: 48.260+/-12.210 χ^2/NDF: 58.1/41



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

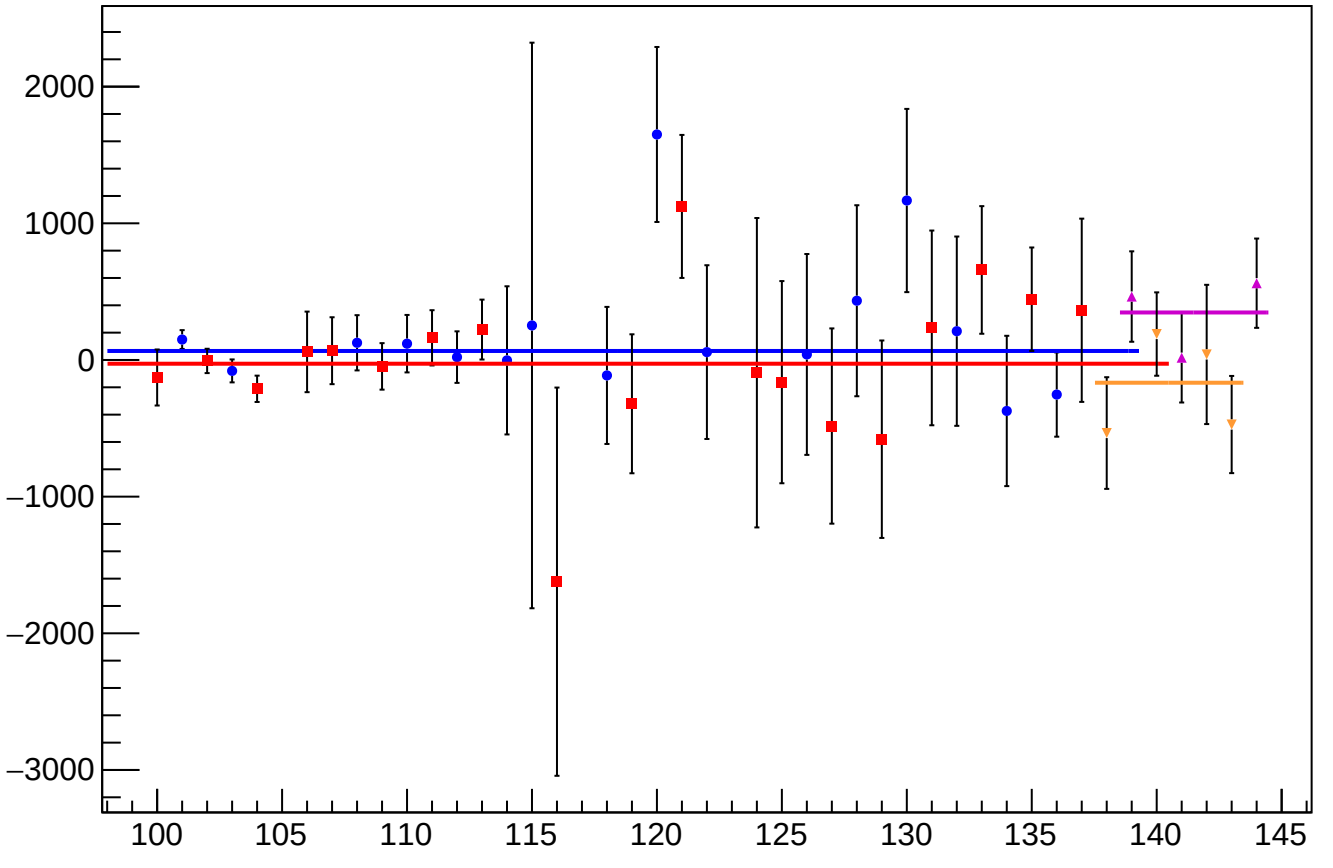
Left: 55.906+/-0.017 χ^2/NDF: 16991.1/6

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.172+/-0.012 χ^2/NDF:399999.4/18

Out: 53.924+/-0.012 χ^2/NDF:454679.6/22

All: 54.045+/-0.009 χ^2/NDF: 854885.5/41



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 347.556+/-189.675 χ^2/NDF:1.6/2

Left: 87.318+/-133.278 χ^2/NDF: 8.4/6

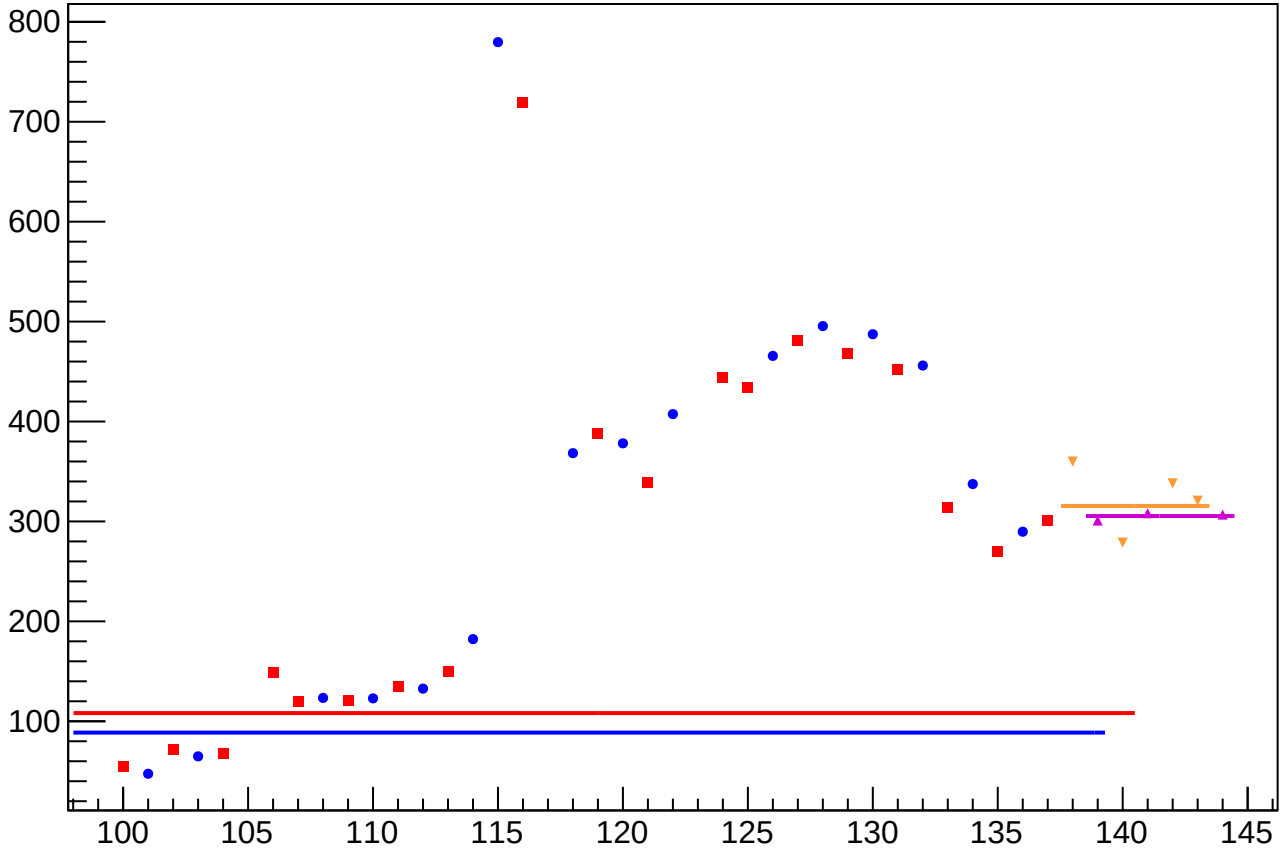
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 81.813+/-45.142 χ^2/NDF:19.4/18

Out: -36.742+/-48.533 χ^2/NDF:21.6/22

All: 26.821+/-33.054 χ^2/NDF: 44.2/41

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: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 305.392+/-0.134 χ^2/NDF:561.0/2

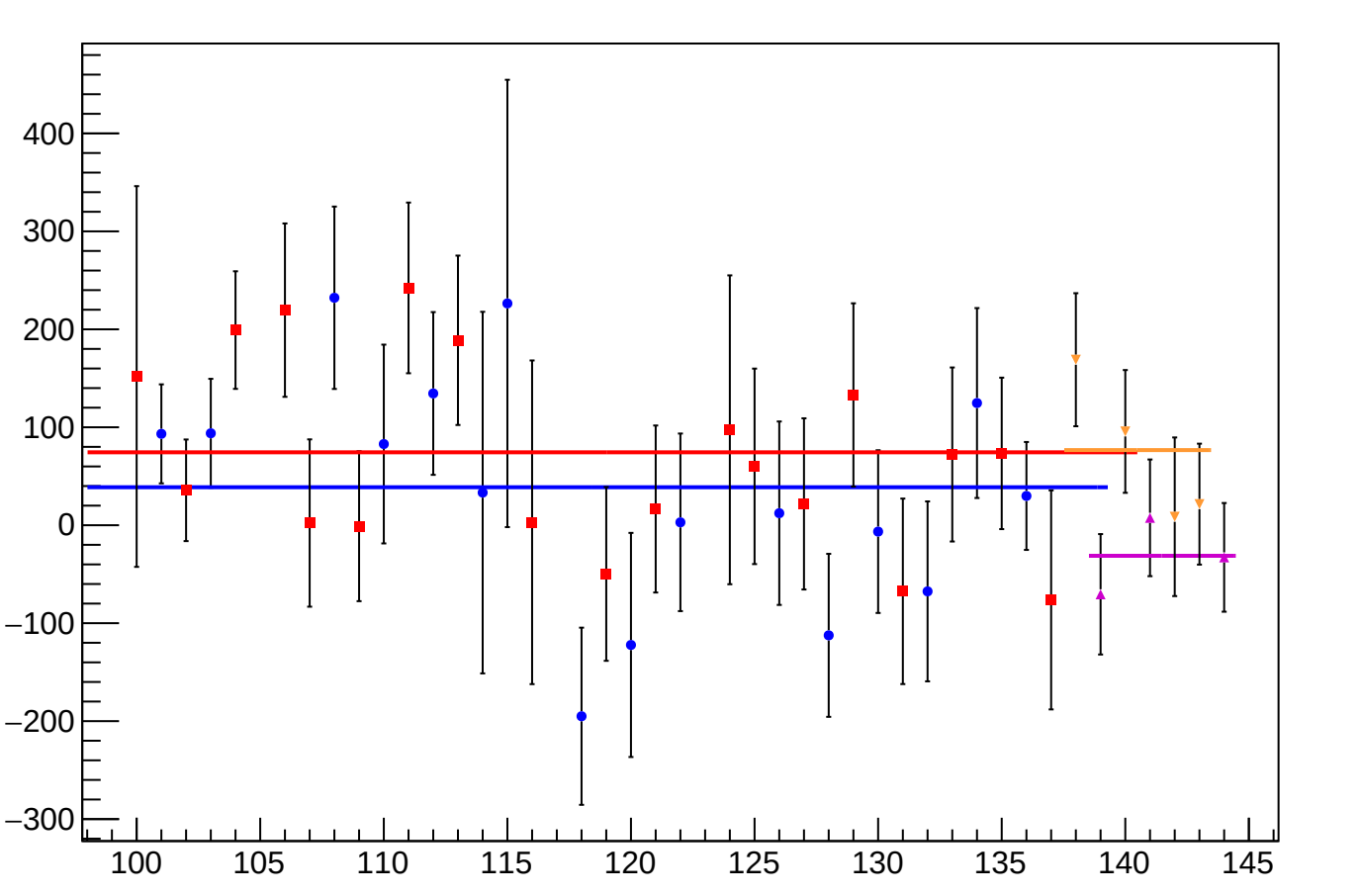
Left: 310.507+/-0.094 χ^2/NDF: 60320.2/6

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 100.932+/-0.032 χ^2/NDF:9112195.5/18

Out: 122.122+/-0.034 χ^2/NDF:7696567.1/22

All: 110.761+/-0.023 χ^2/NDF: 17013180.3/41



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -31.206+/-33.873 χ^2/NDF:0.8/2

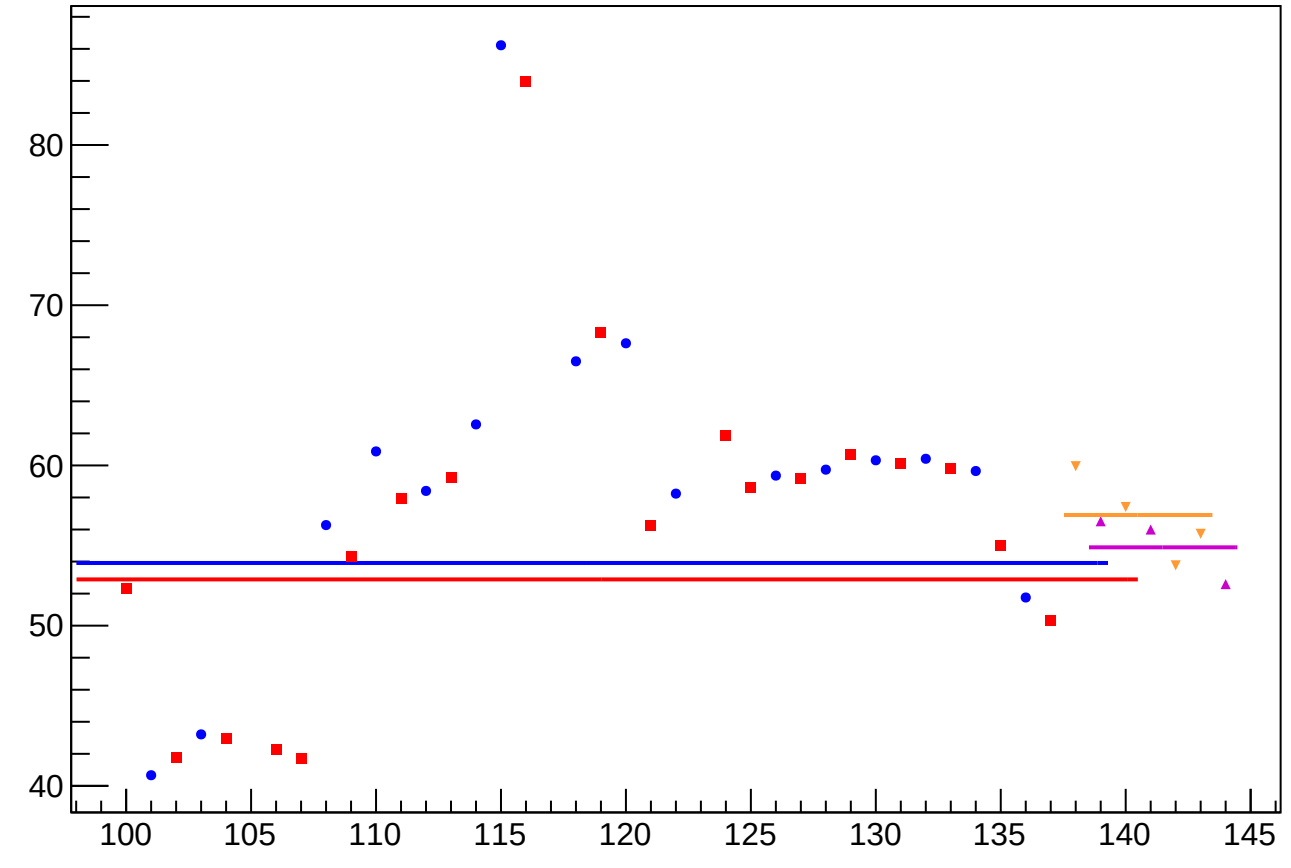
Left: 23.206+/-23.850 χ^2/NDF: 9.4/6

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 20.145+/-17.484 χ^2/NDF:27.3/18

Out: 75.024+/-17.059 χ^2/NDF:25.8/22

All: 48.260+/-12.210 χ^2/NDF: 58.1/41



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 54.887+/-0.024 χ^2/NDF:5523.2/2

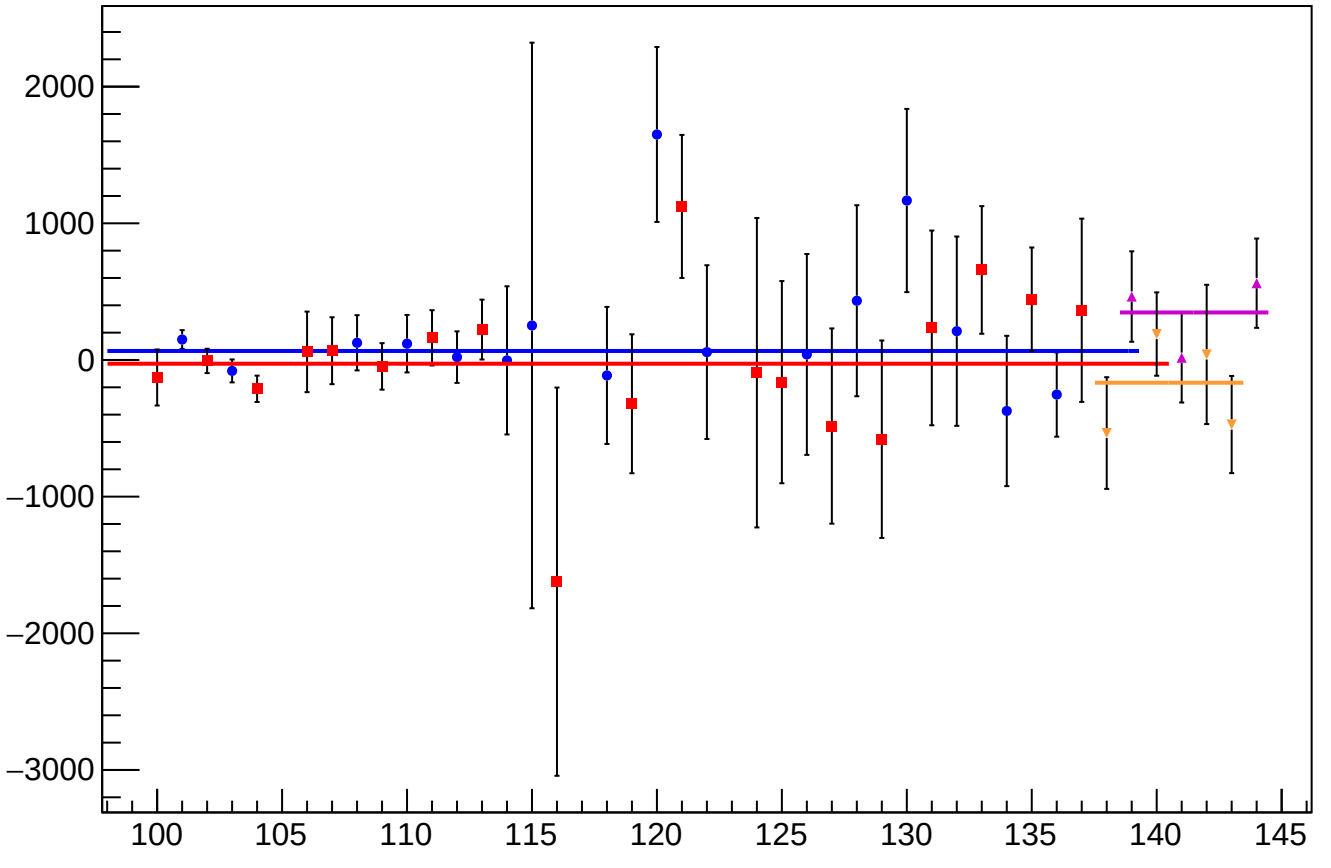
Left: 55.906+/-0.017 χ^2/NDF: 16991.1/6

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.172+/-0.012 χ^2/NDF:399999.4/18

Out: 53.924+/-0.012 χ^2/NDF:454679.6/22

All: 54.045+/-0.009 χ^2/NDF: 854885.5/41



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 347.556+/-189.675 χ^2/NDF:1.6/2

Left: 87.318+/-133.278 χ^2/NDF: 8.4/6

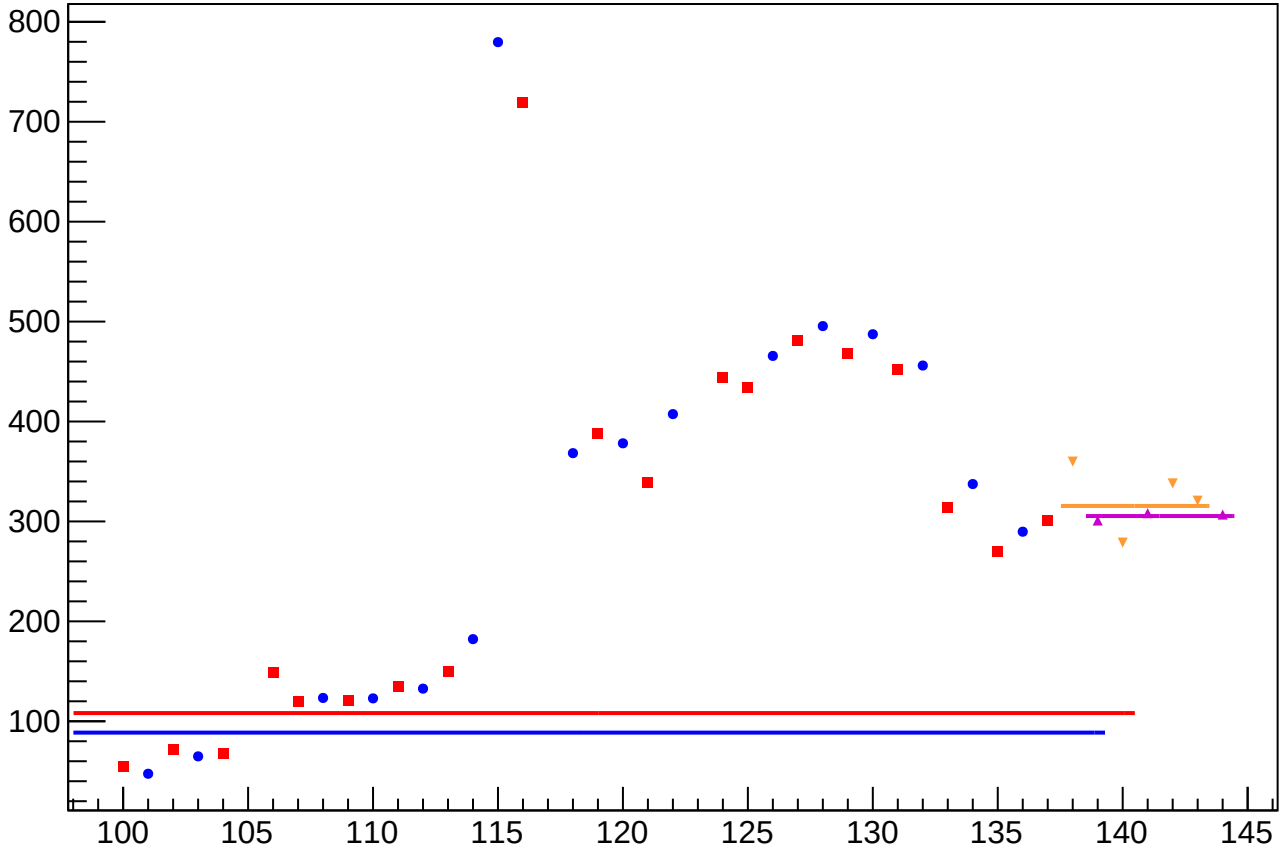
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 81.813+/-45.142 χ^2/NDF:19.4/18

Out: -36.742+/-48.533 χ^2/NDF:21.6/22

All: 26.821+/-33.054 χ^2/NDF: 44.2/41

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: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 305.392+/-0.134 χ^2/NDF:561.0/2

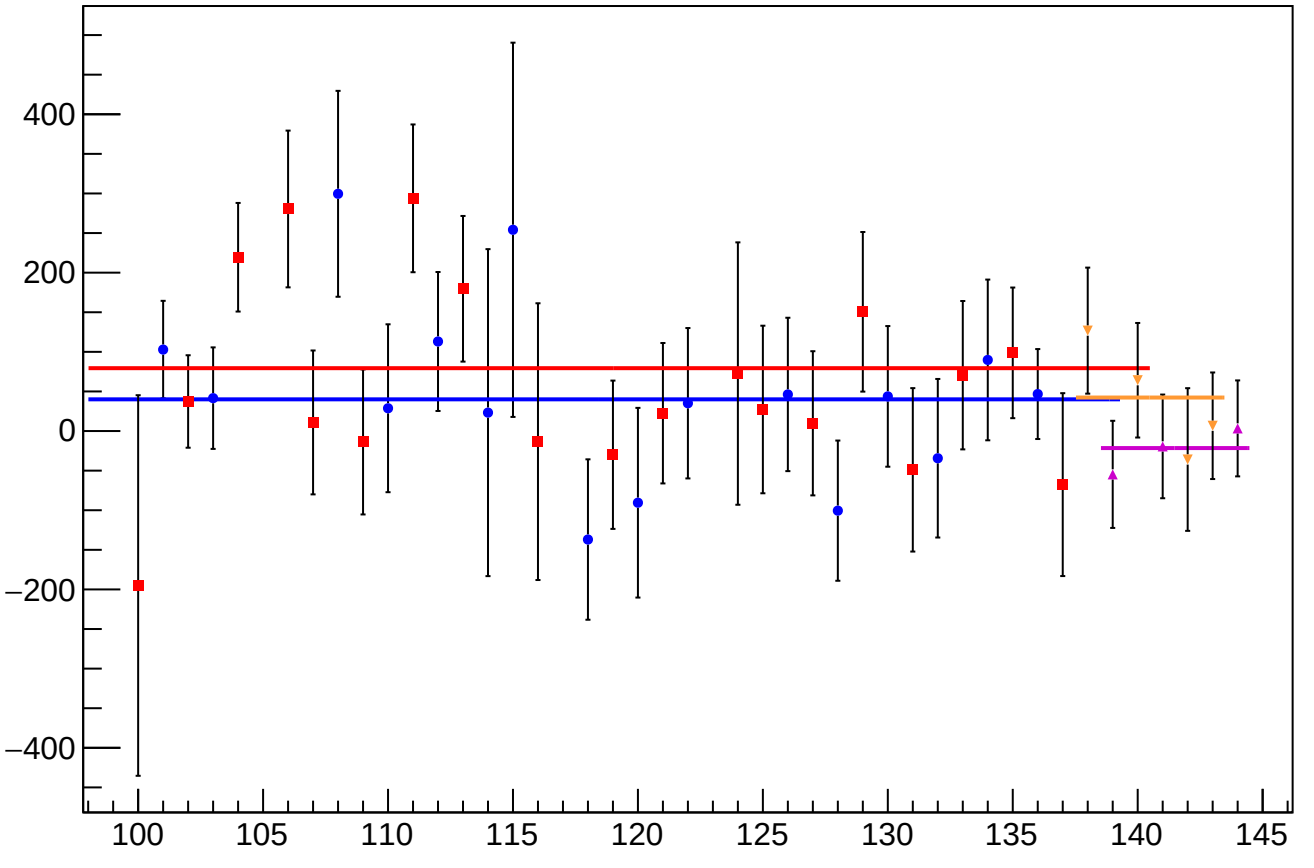
Left: 310.507+/-0.094 χ^2/NDF: 60320.2/6

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 100.932+/-0.032 χ^2/NDF:9112195.5/18

Out: 122.122+/-0.034 χ^2/NDF:7696567.1/22

All: 110.761+/-0.023 χ^2/NDF: 17013180.3/41



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.305+/-37.982 χ^2/NDF:2.3/3

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -21.504+/-37.154 χ^2/NDF:0.4/2

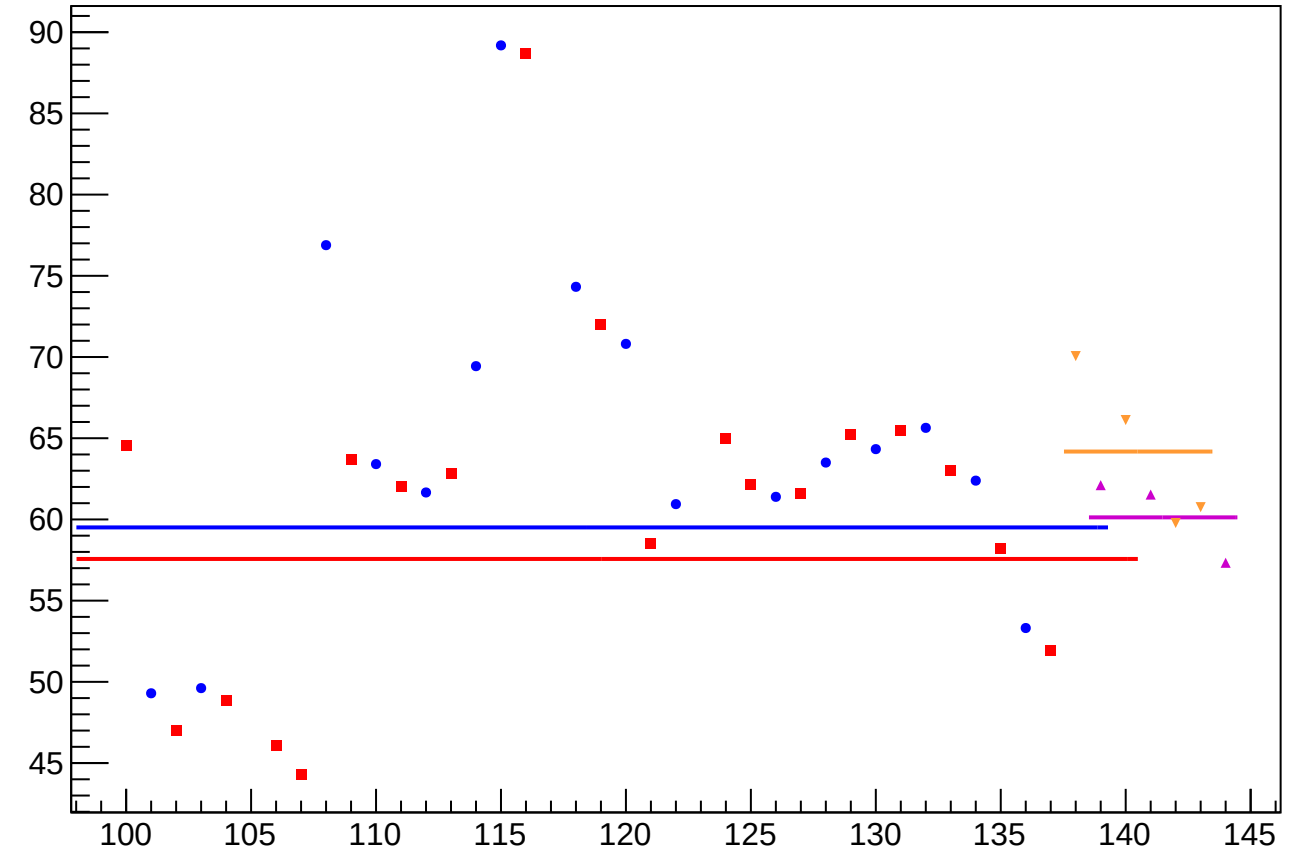
Left: 9.698+/-26.560 χ^2/NDF: 4.1/6

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 23.503+/-19.255 χ^2/NDF:16.6/18

Out: 70.333+/-18.761 χ^2/NDF:27.8/22

All: 47.527+/-13.437 χ^2/NDF: 47.4/41



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.180+/-0.027 χ^2/NDF:22299.6/3

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 60.127+/-0.026 χ^2/NDF:6895.1/2

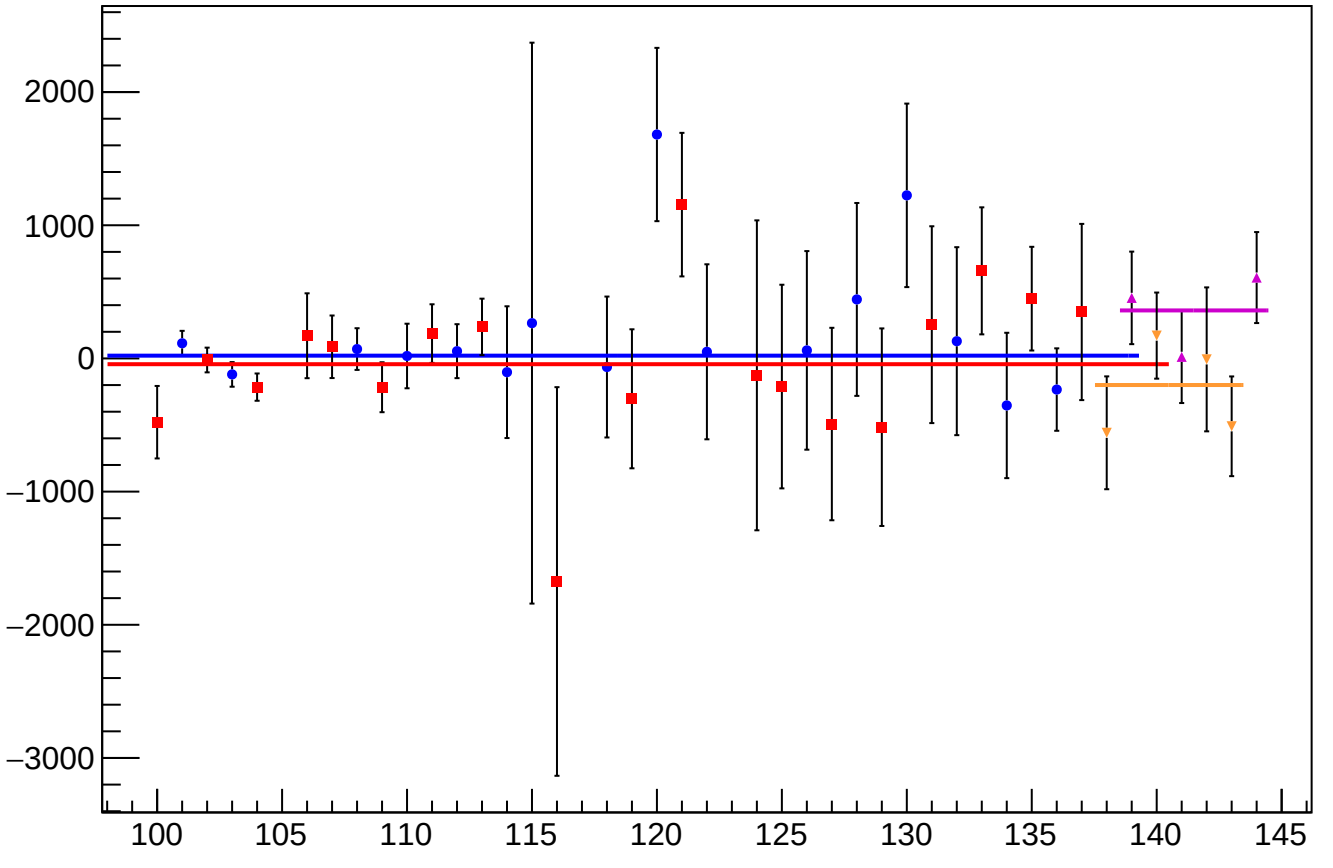
Left: 62.109+/-0.019 χ^2/NDF: 40831.0/6

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 59.675+/-0.014 χ^2/NDF:290492.9/18

Out: 59.180+/-0.013 χ^2/NDF:415513.6/22

All: 59.421+/-0.010 χ^2/NDF: 706683.2/41



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.653+/-197.274 χ^2/NDF:2.8/3

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 360.459+/-199.370 χ^2/NDF:1.6/2

Left: 77.443+/-140.229 χ^2/NDF: 8.4/6

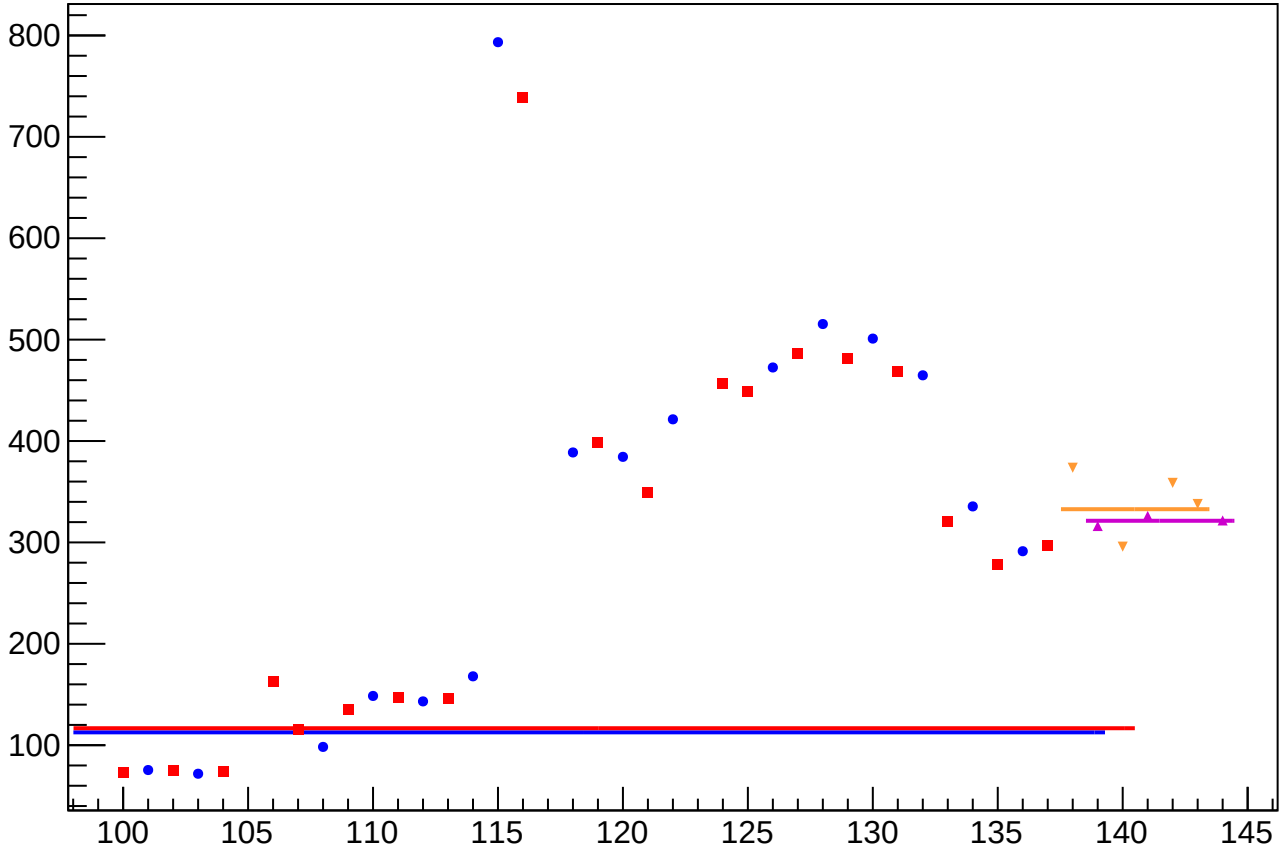
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.721+/-51.749 χ^2/NDF:18.9/18

Out: -53.868+/-51.374 χ^2/NDF:24.9/22

All: -5.428+/-36.459 χ^2/NDF: 45.7/41

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 332.756+/-0.139 χ^2/NDF:49740.9/3

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 321.344+/-0.141 χ^2/NDF:824.6/2

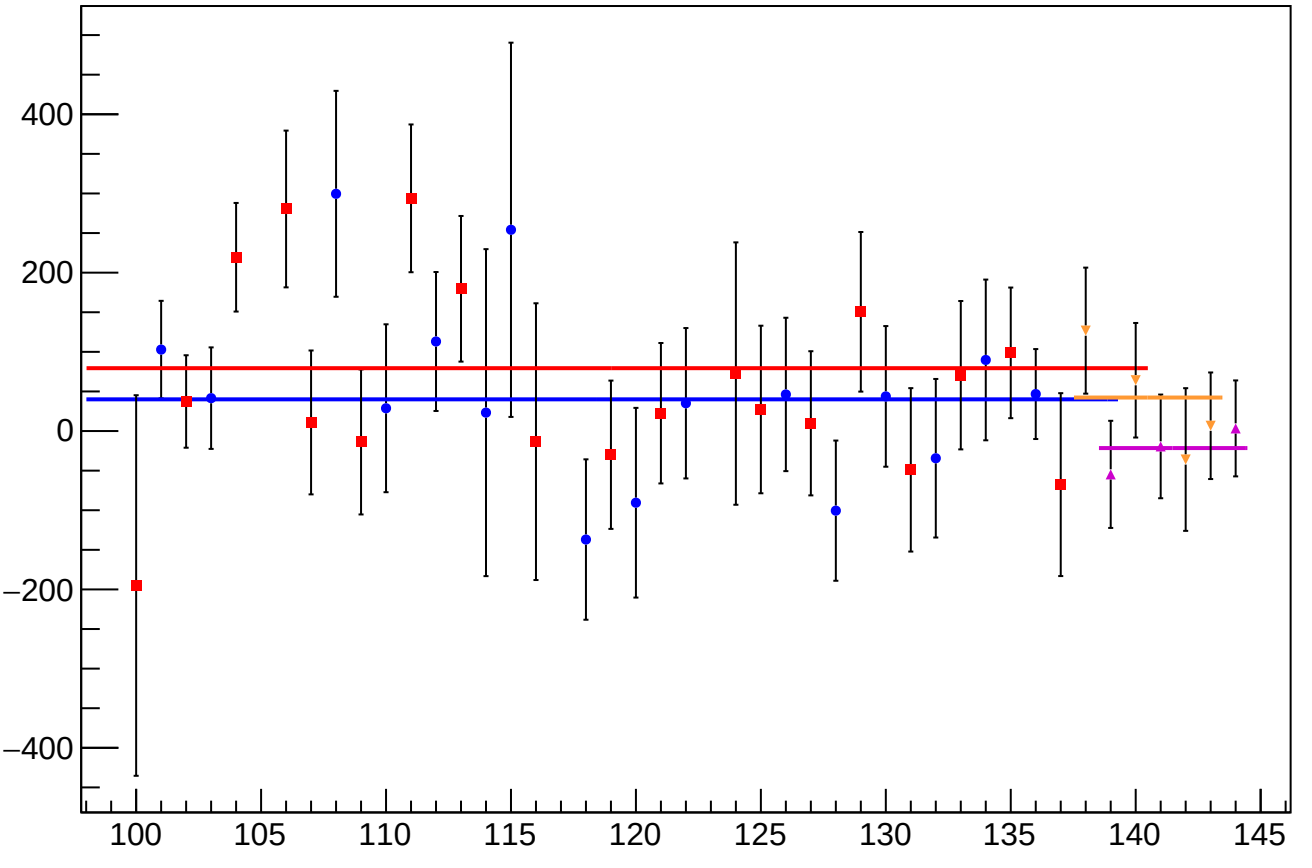
Left: 327.111+/-0.099 χ^2/NDF: 53876.7/6

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 126.727+/-0.037 χ^2/NDF:7643927.7/18

Out: 131.383+/-0.036 χ^2/NDF:7426726.4/22

All: 129.072+/-0.026 χ^2/NDF: 15078808.8/41



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.306+/-37.982 χ^2/NDF:2.3/3

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -21.503+/-37.155 χ^2/NDF:0.4/2

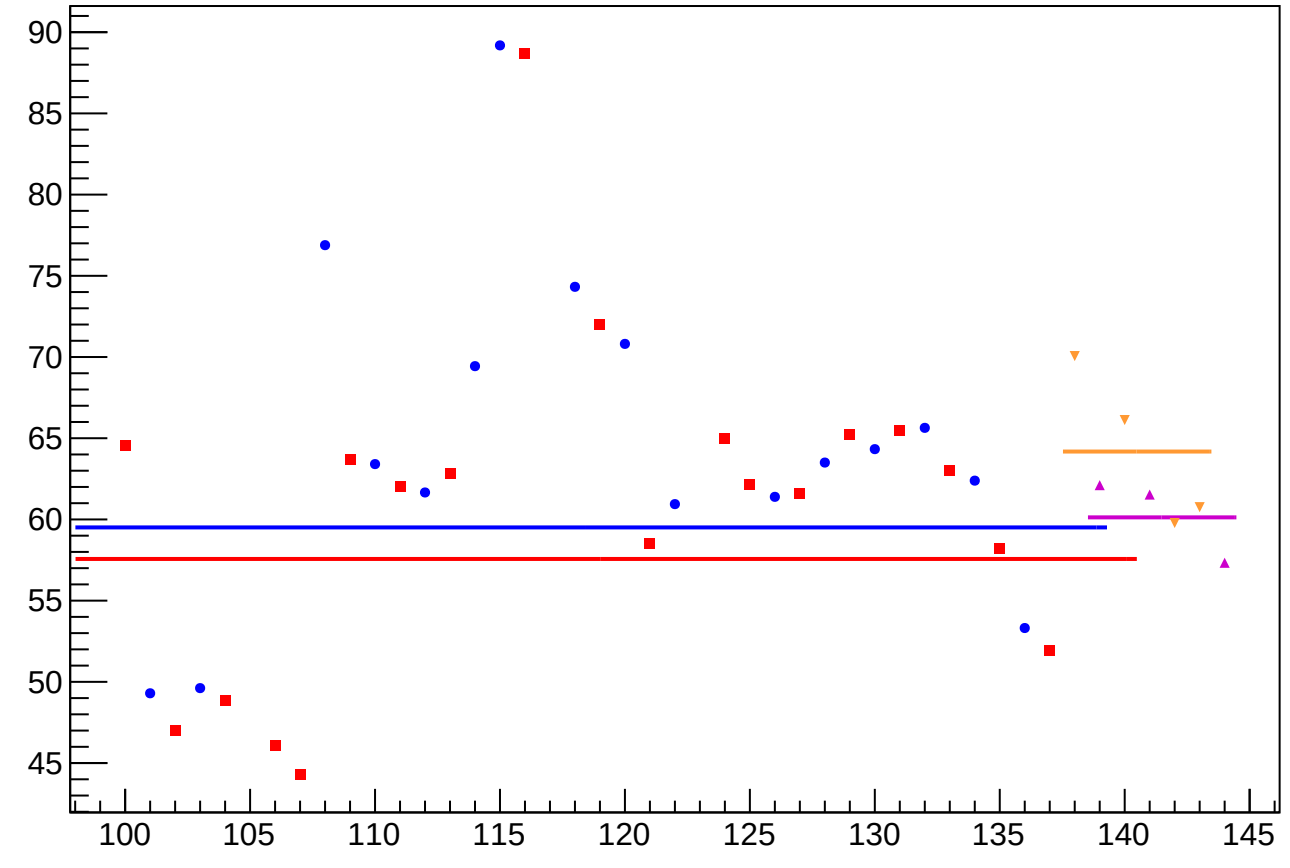
Left: 9.699+/-26.560 χ^2/NDF: 4.1/6

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 23.503+/-19.255 χ^2/NDF:16.6/18

Out: 70.333+/-18.761 χ^2/NDF:27.8/22

All: 47.527+/-13.437 χ^2/NDF: 47.4/41



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.180+/-0.027 χ^2/NDF:22301.7/3

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 60.127+/-0.026 χ^2/NDF:6896.1/2

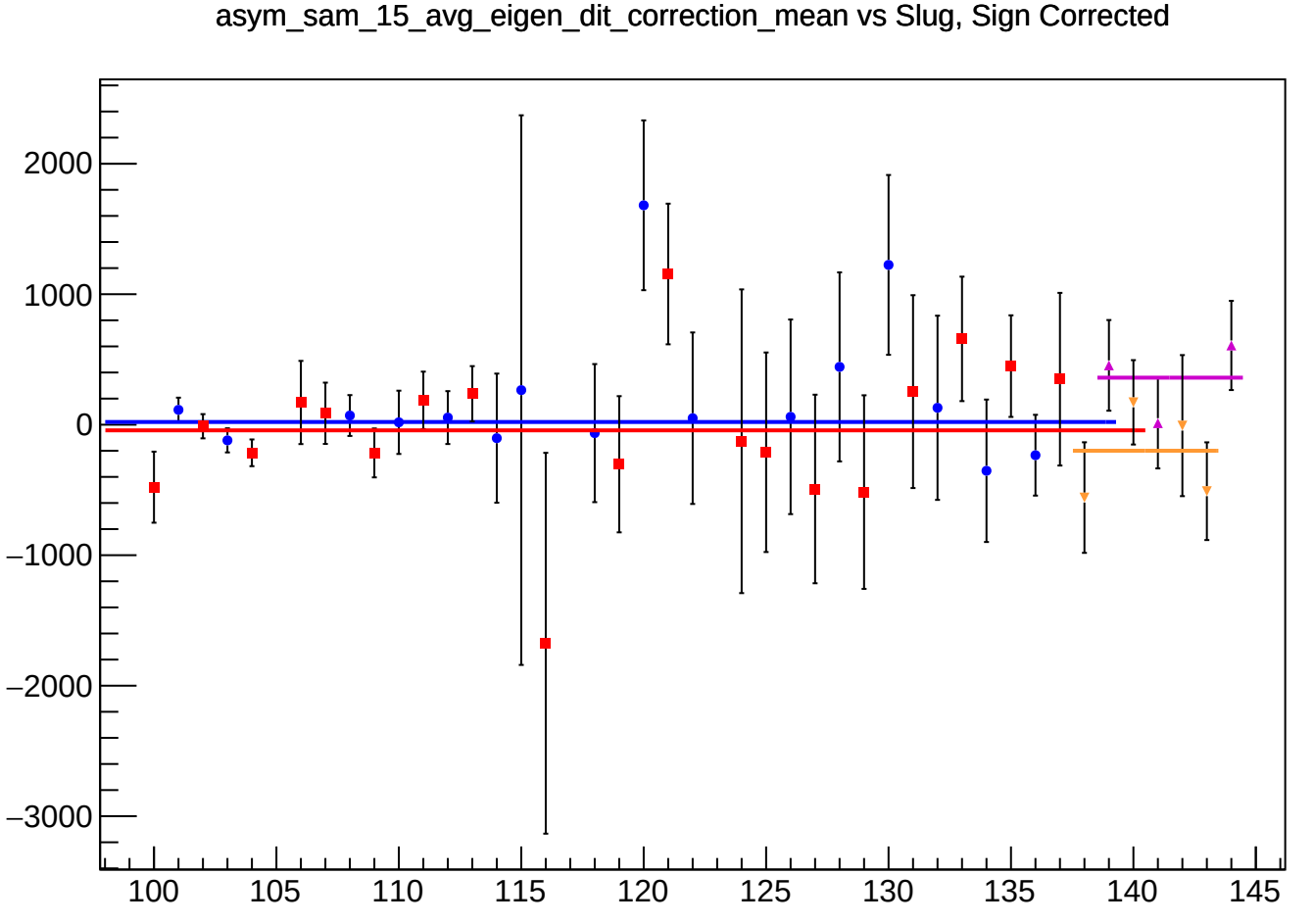
Left: 62.109+/-0.019 χ^2/NDF: 40833.5/6

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 59.675+/-0.014 χ^2/NDF:290492.2/18

Out: 59.180+/-0.013 χ^2/NDF:415516.1/22

All: 59.421+/-0.010 χ^2/NDF: 706685.1/41



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.654+/-197.275 χ^2/NDF:2.8/3

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 360.460+/-199.371 χ^2/NDF:1.6/2

Left: 77.443+/-140.229 χ^2/NDF: 8.4/6

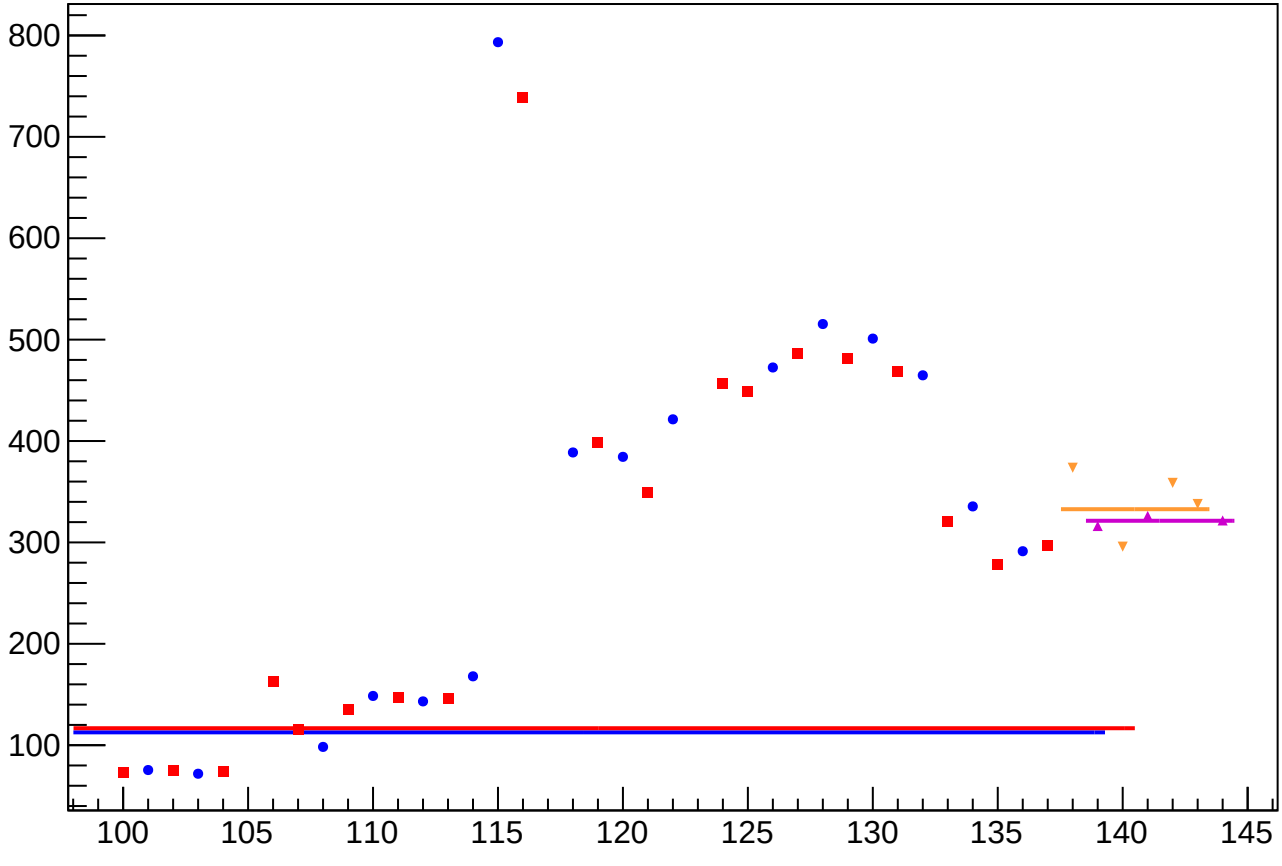
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.720+/-51.749 χ^2/NDF:18.9/18

Out: -53.868+/-51.374 χ^2/NDF:24.9/22

All: -5.428+/-36.459 χ^2/NDF: 45.7/41

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: 332.757+/-0.139 χ^2/NDF:49740.5/3

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 321.345+/-0.141 χ^2/NDF:824.7/2

Left: 327.112+/-0.099 χ^2/NDF: 53876.3/6

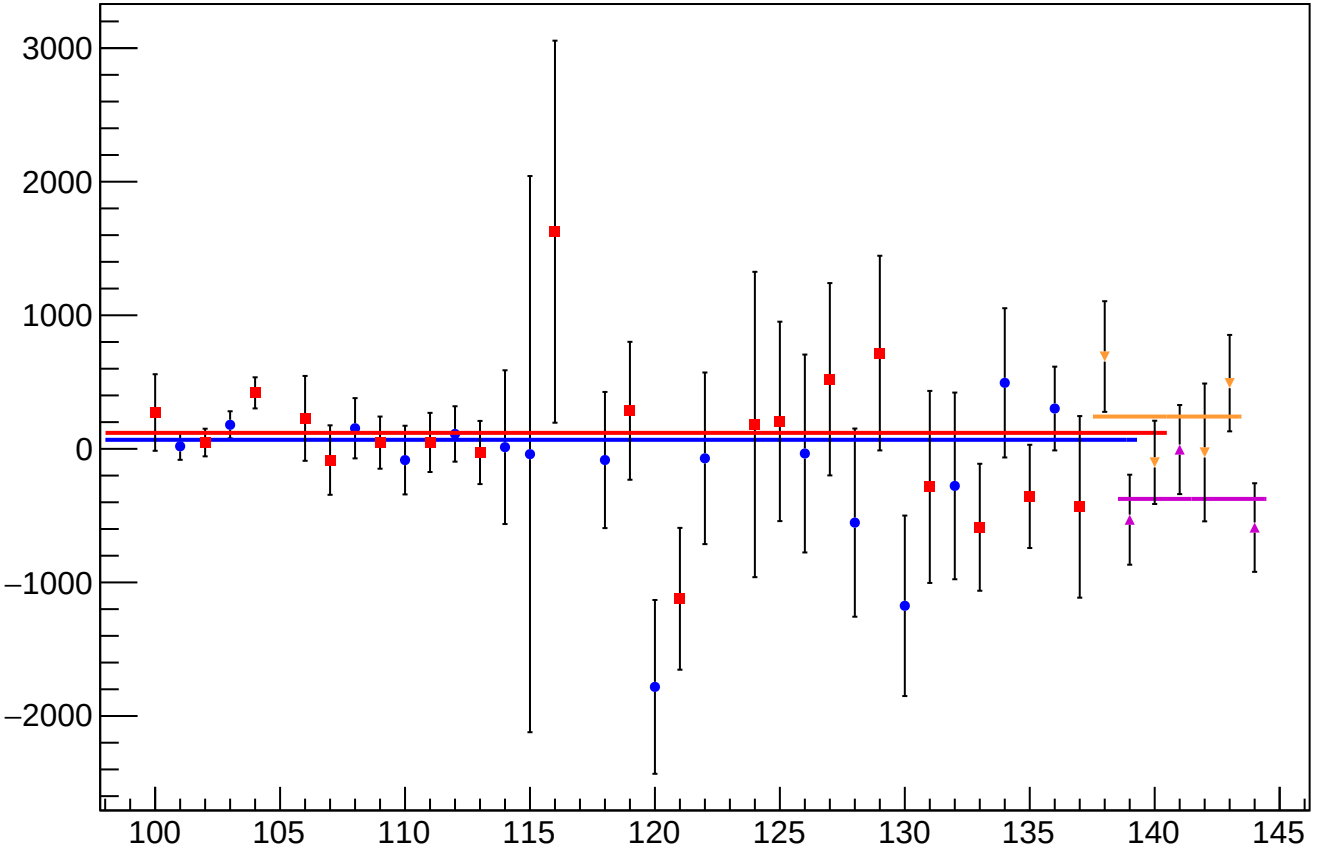
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 126.727+/-0.037 χ^2/NDF:7643938.0/18

Out: 131.383+/-0.036 χ^2/NDF:7426744.4/22

All: 129.072+/-0.026 χ^2/NDF: 15078836.7/41

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 241.758+/-190.506 χ^2/NDF:3.1/3

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -374.712+/-192.835 χ^2/NDF:1.9/2

Left: -62.731+/-135.524 χ^2/NDF: 10.2/6

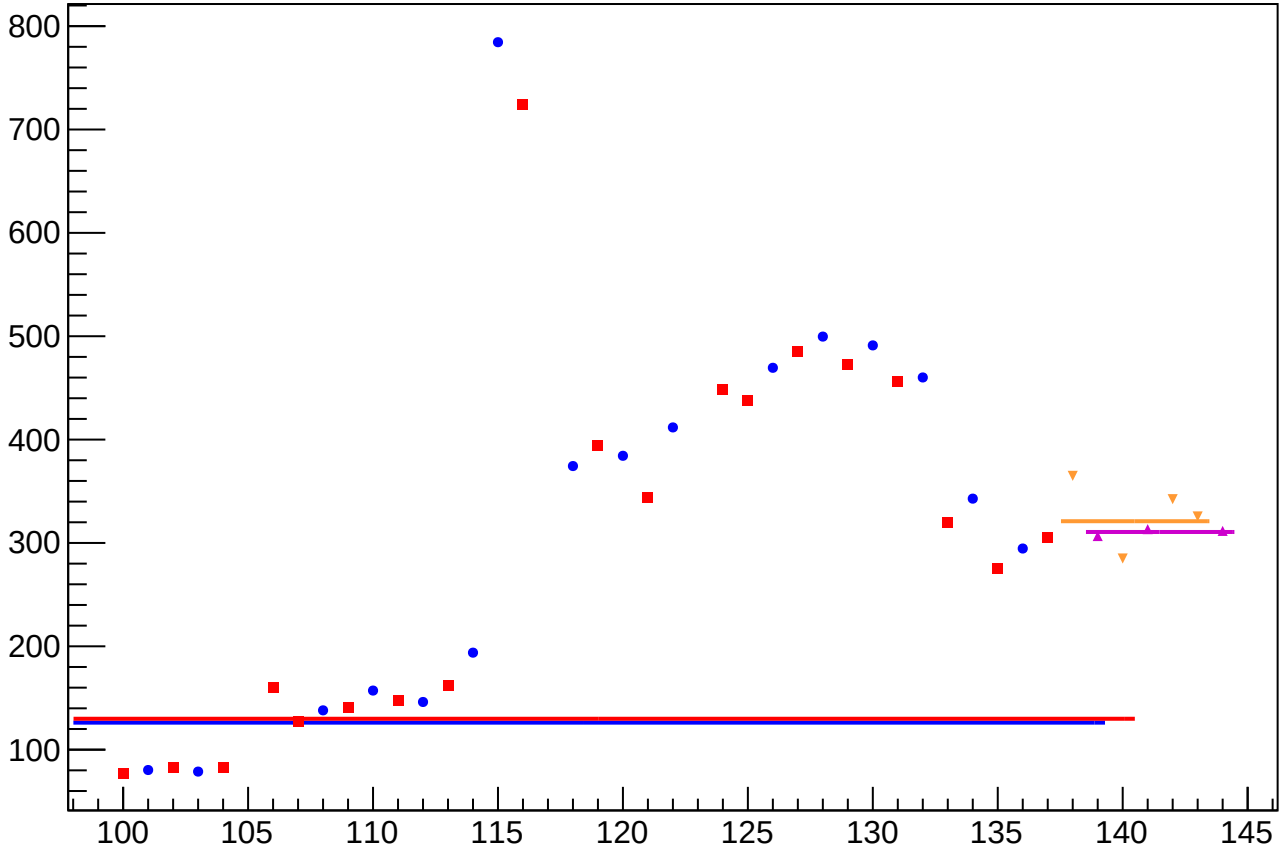
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 29.559+/-56.566 χ^2/NDF:22.4/18

Out: 129.975+/-55.434 χ^2/NDF:24.7/22

All: 80.782+/-39.592 χ^2/NDF: 48.7/41

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 321.024+/-0.135 χ^2/NDF:52974.5/3

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 310.614+/-0.136 χ^2/NDF:427.8/2

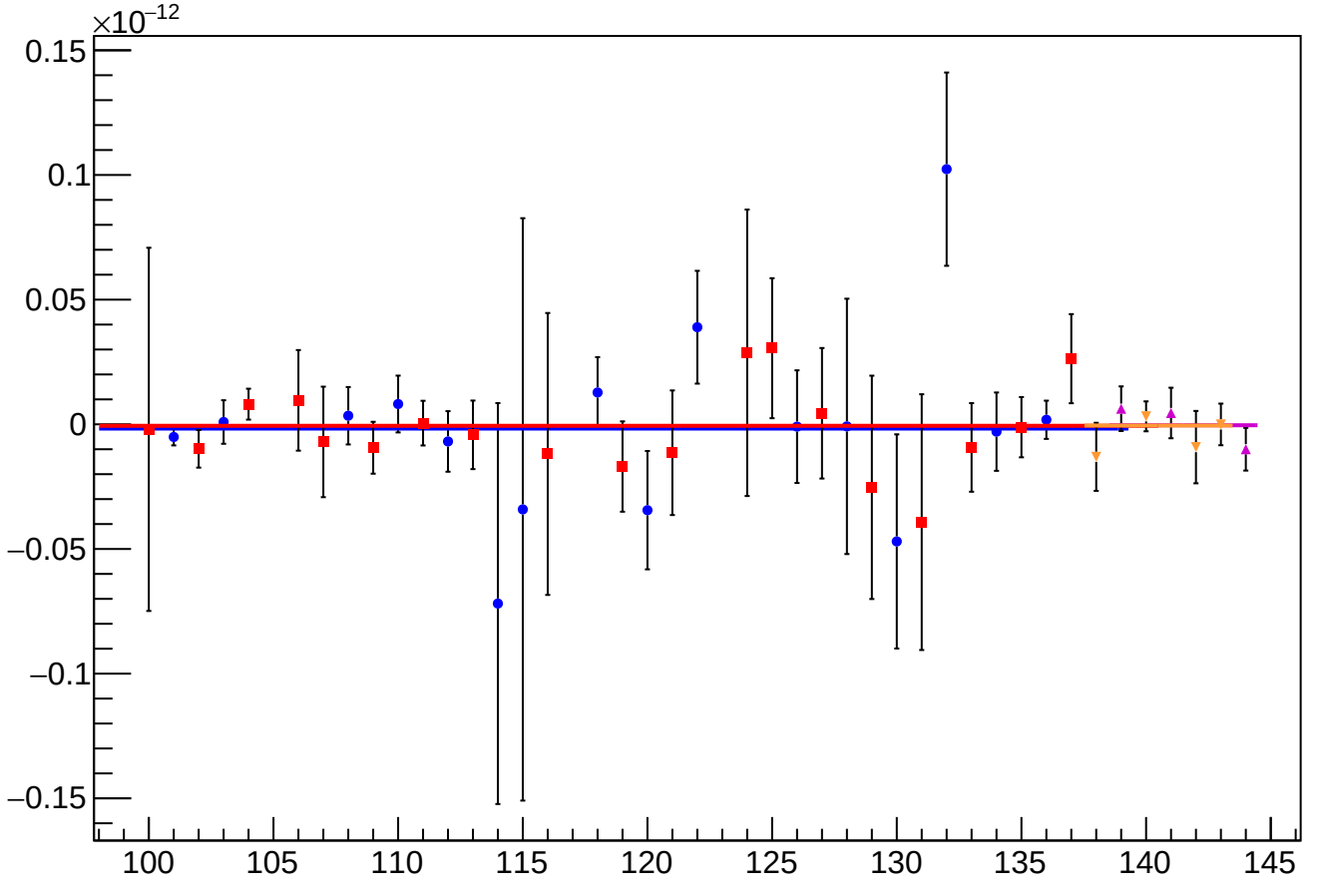
Left: 315.882+/-0.096 χ^2/NDF: 56352.2/6

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 142.026+/-0.040 χ^2/NDF:6893127.7/18

Out: 146.096+/-0.039 χ^2/NDF:6542929.7/22

All: 144.102+/-0.028 χ^2/NDF: 13441338.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

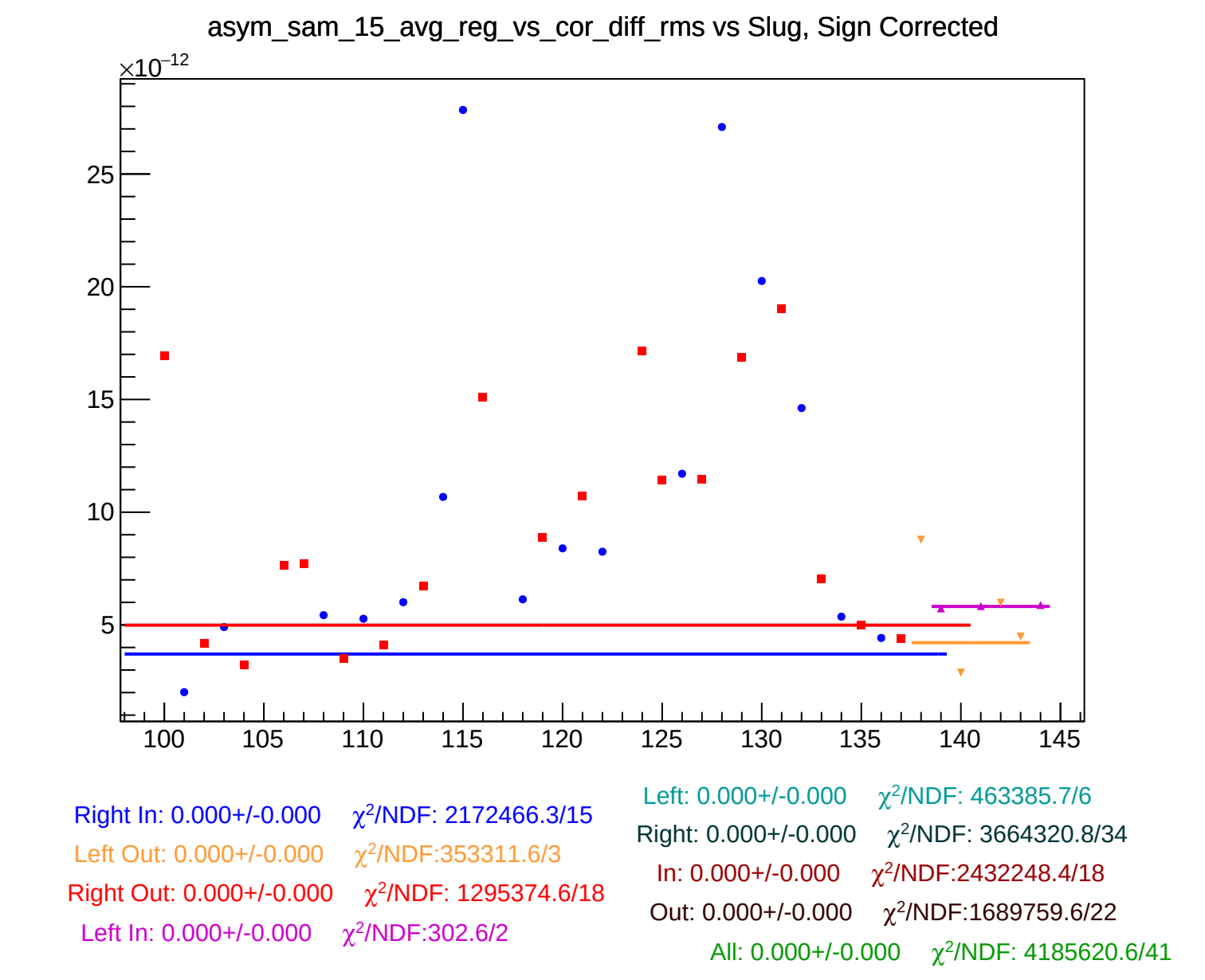
Left: -0.000+/-0.000 χ^2/NDF: 3.6/6

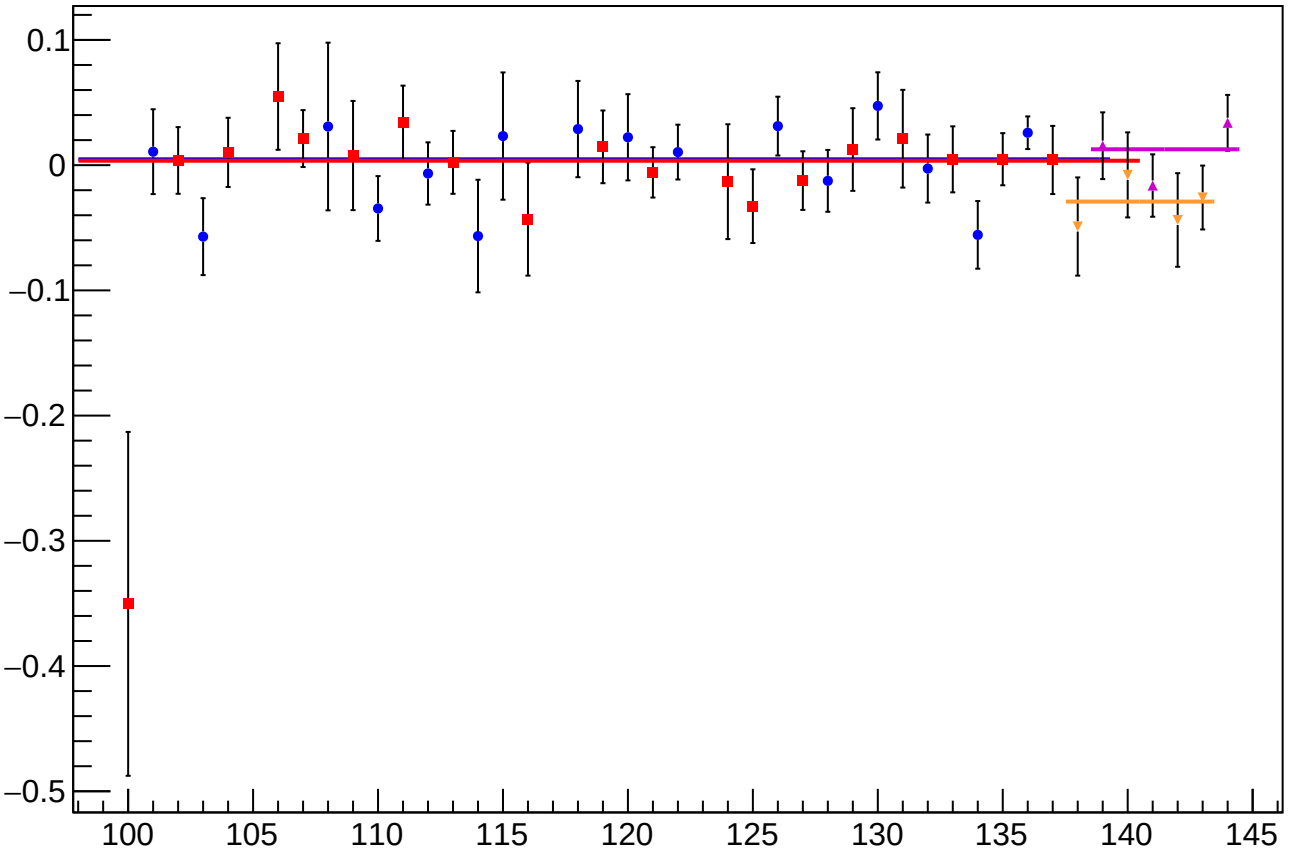
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:19.9/18

Out: -0.000+/-0.000 χ^2/NDF:12.1/22

All: -0.000+/-0.000 χ^2/NDF: 32.0/41


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:353311.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:302.6/2
Left: 0.000+/-0.000 χ²/NDF: 463385.7/6
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2432248.4/18
Out: 0.000+/-0.000 χ²/NDF:1689759.6/22
All: 0.000+/-0.000 χ²/NDF: 4185620.6/41



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.013+/-0.014 χ^2/NDF:2.3/2

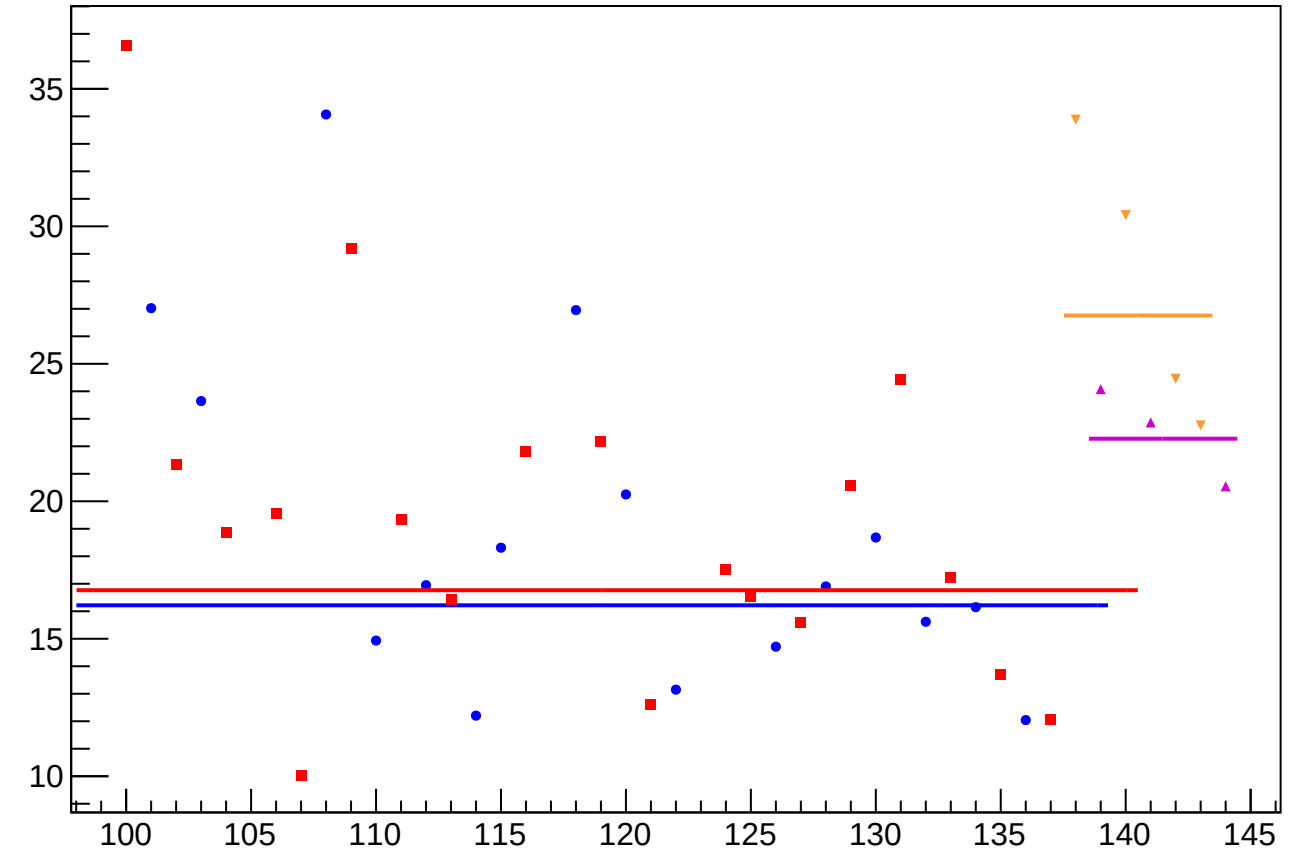
Left: -0.005+/-0.011 χ^2/NDF: 6.8/6

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.006 χ^2/NDF:24.0/18

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.003+/-0.004 χ^2/NDF: 42.6/41



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 26.757+/-0.012 χ^2/NDF:145786.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.276+/-0.010 χ^2/NDF:22359.3/2

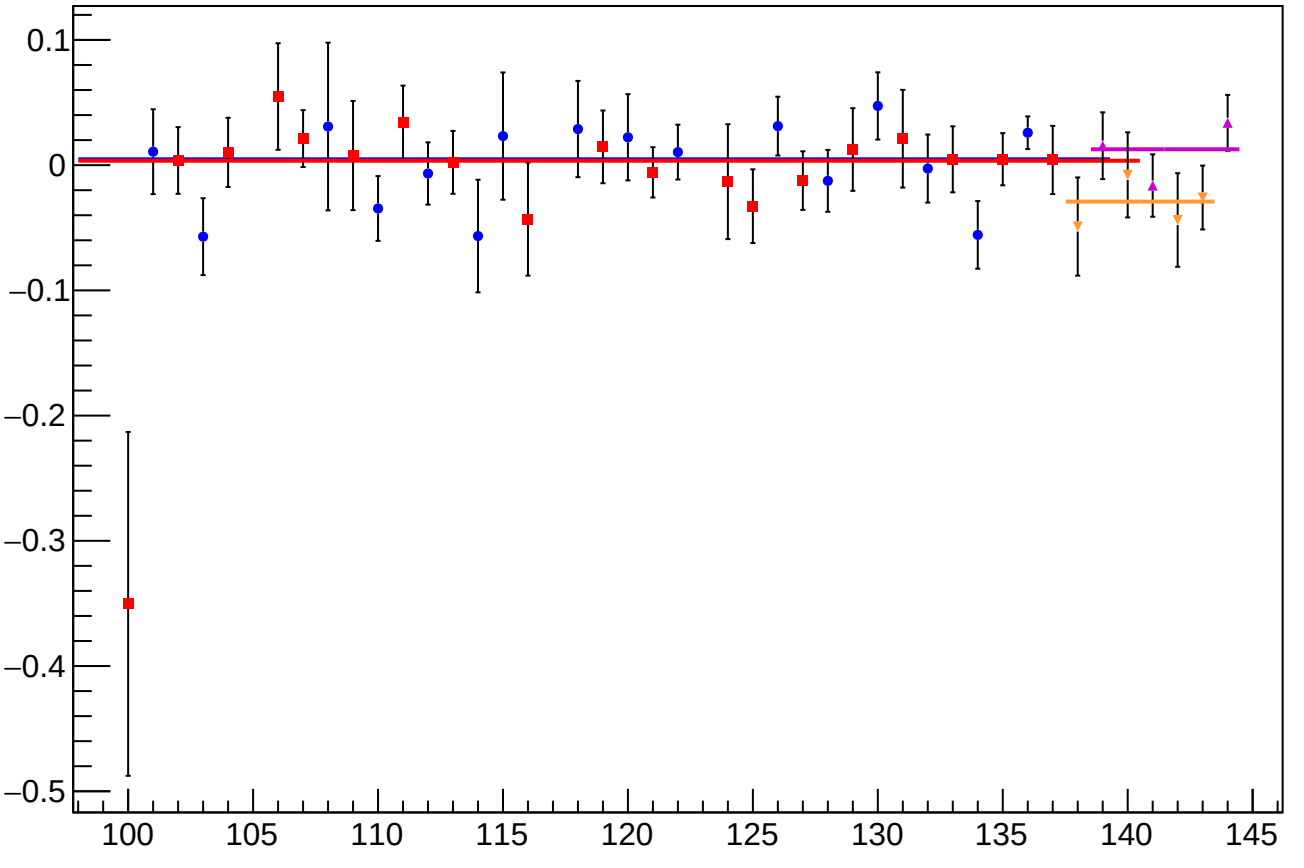
Left: 24.195+/-0.008 χ^2/NDF: 254697.4/6

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.297+/-0.004 χ^2/NDF:1270062.9/18

Out: 18.185+/-0.004 χ^2/NDF:1658178.5/22

All: 17.727+/-0.003 χ^2/NDF: 2949819.6/41



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.013+/-0.014 χ^2/NDF:2.3/2

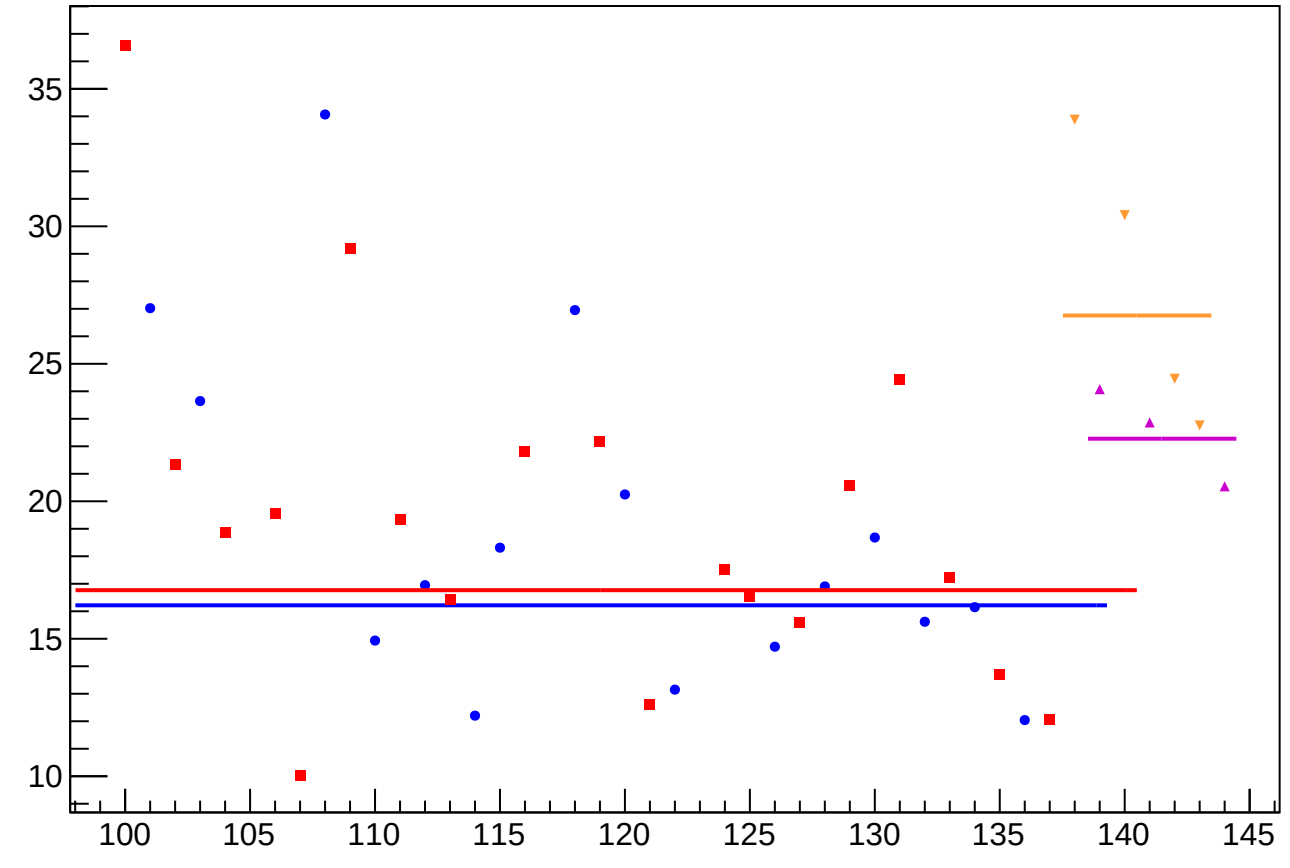
Left: -0.005+/-0.011 χ^2/NDF: 6.8/6

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.006 χ^2/NDF:24.0/18

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.003+/-0.004 χ^2/NDF: 42.6/41



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 26.757+/-0.012 χ^2/NDF:145786.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.276+/-0.010 χ^2/NDF:22359.3/2

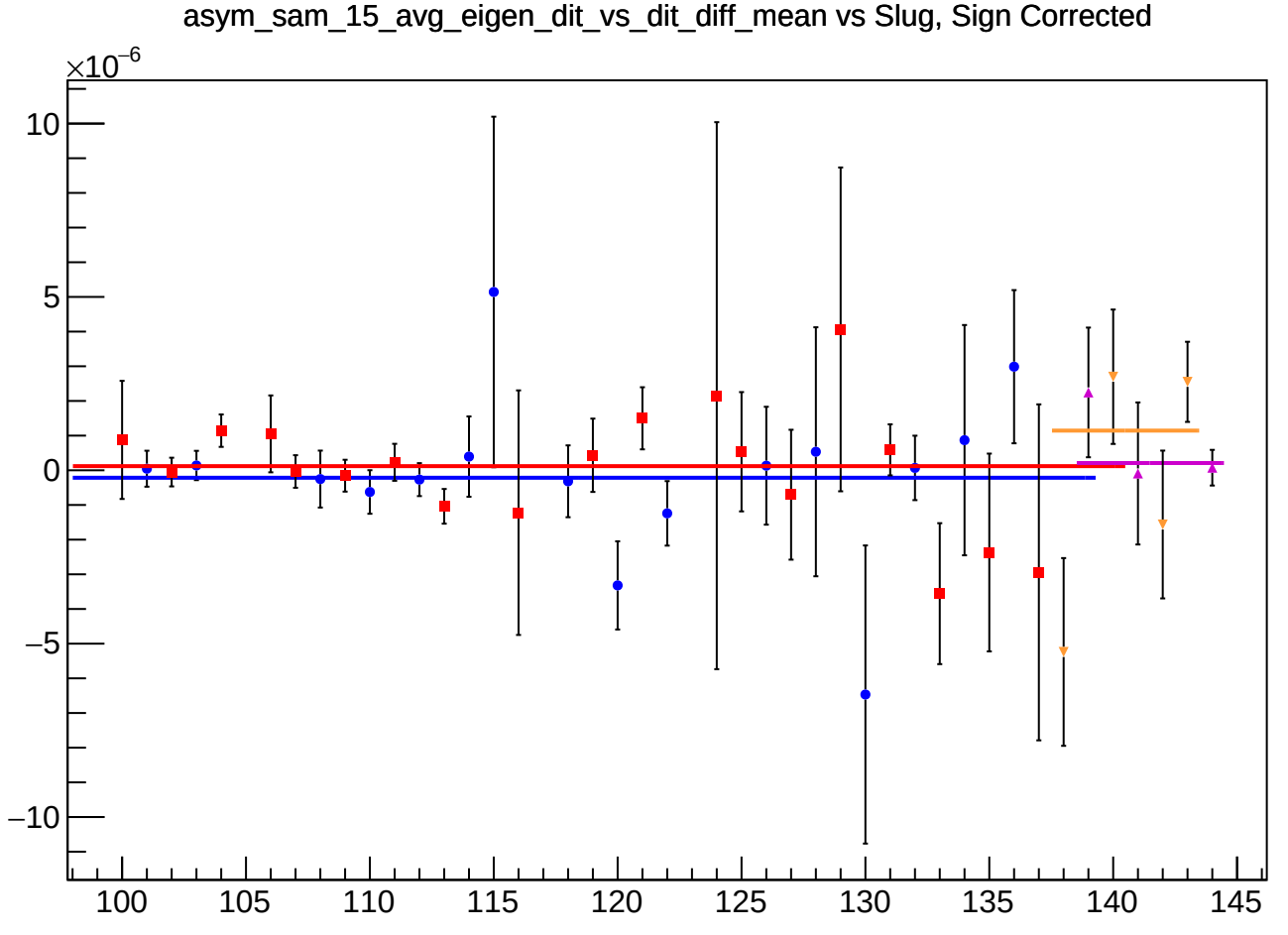
Left: 24.195+/-0.008 χ^2/NDF: 254697.4/6

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.297+/-0.004 χ^2/NDF:1270062.9/18

Out: 18.185+/-0.004 χ^2/NDF:1658178.5/22

All: 17.727+/-0.003 χ^2/NDF: 2949819.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/2

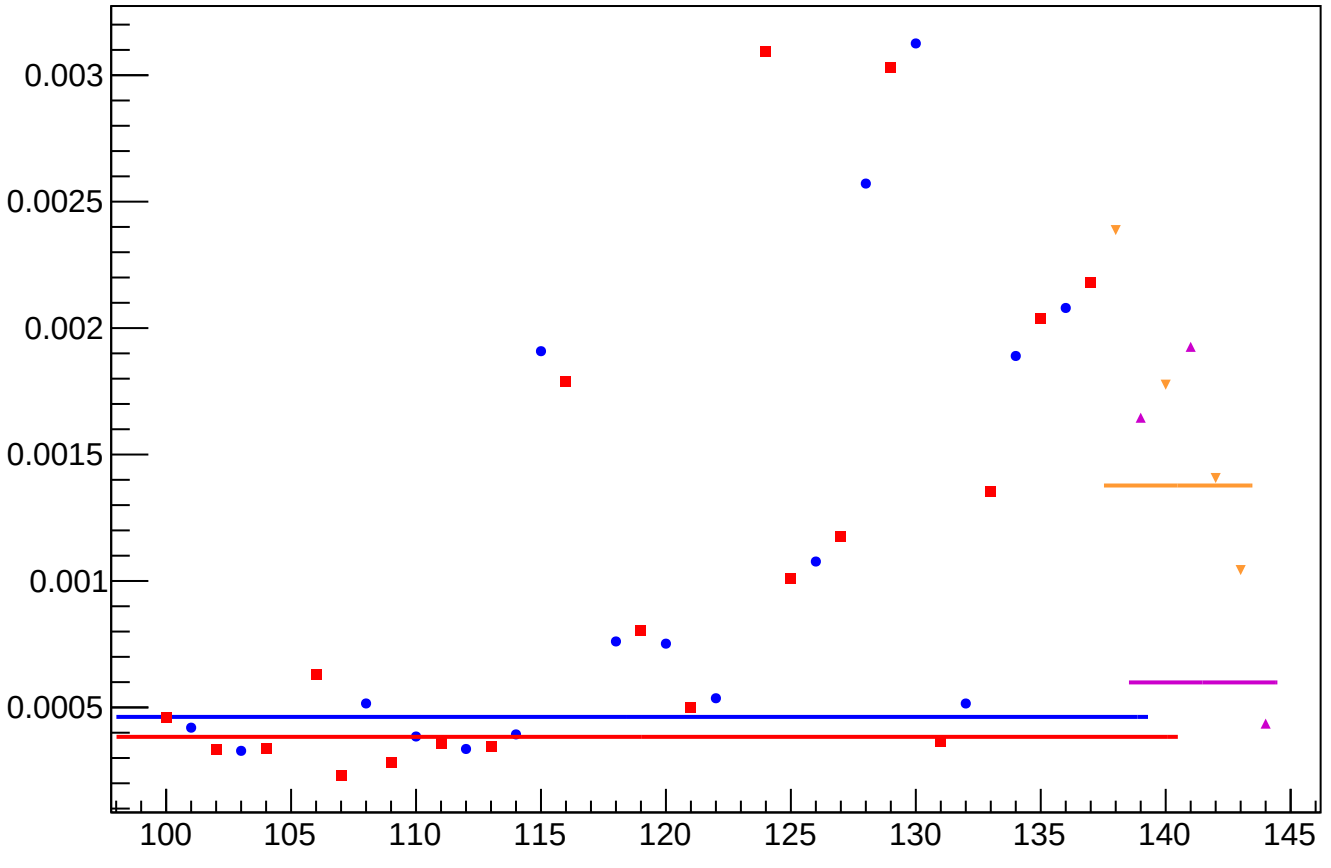
Left: 0.000+/-0.000 χ^2/NDF: 11.5/6

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:16.4/18

Out: 0.000+/-0.000 χ^2/NDF:30.9/22

All: 0.000+/-0.000 χ^2/NDF: 48.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:530820.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1666710.0/2

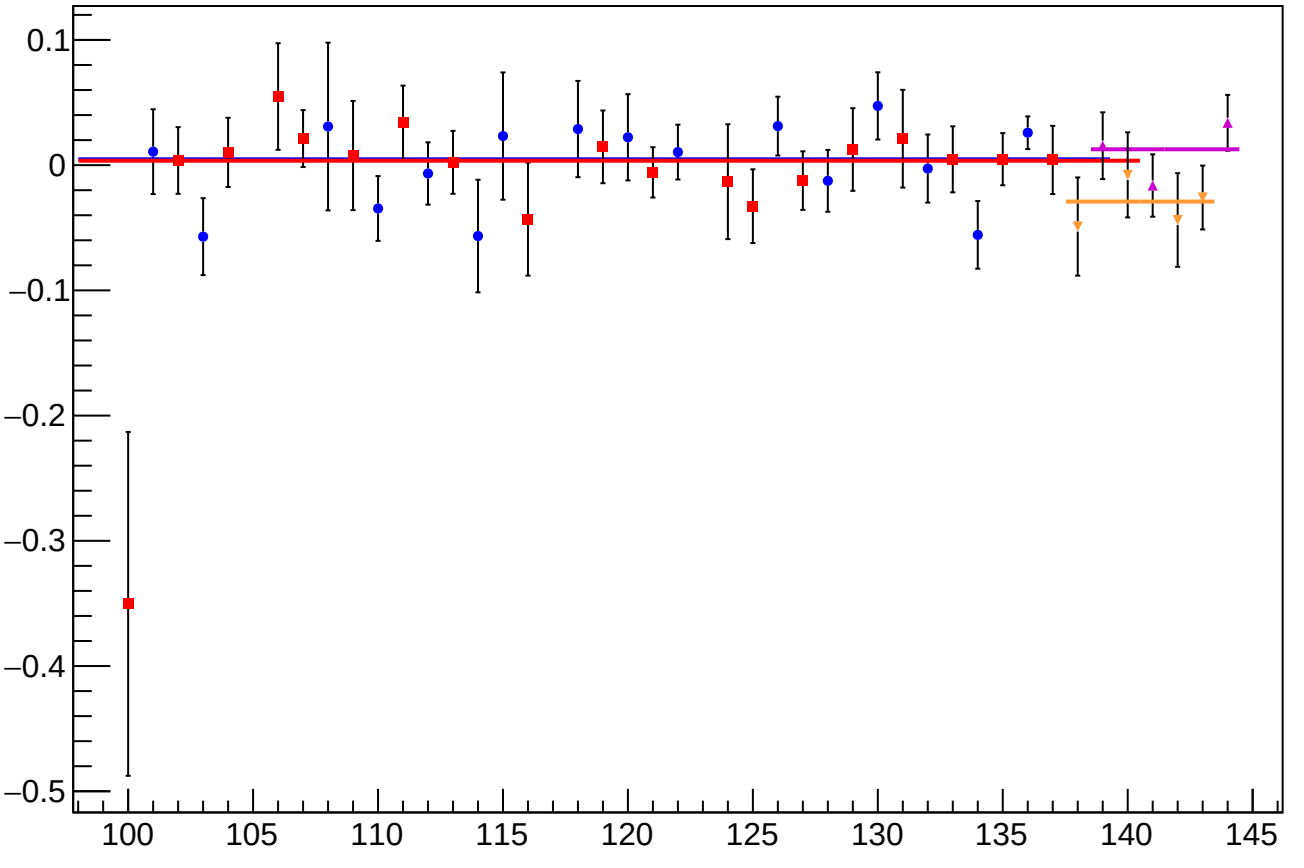
Left: 0.001+/-0.000 χ^2/NDF: 3458945.4/6

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.000+/-0.000 χ^2/NDF:5817621.8/18

Out: 0.000+/-0.000 χ^2/NDF:7192385.9/22

All: 0.000+/-0.000 χ^2/NDF: 13125106.4/41



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.013+/-0.014 χ^2/NDF:2.3/2

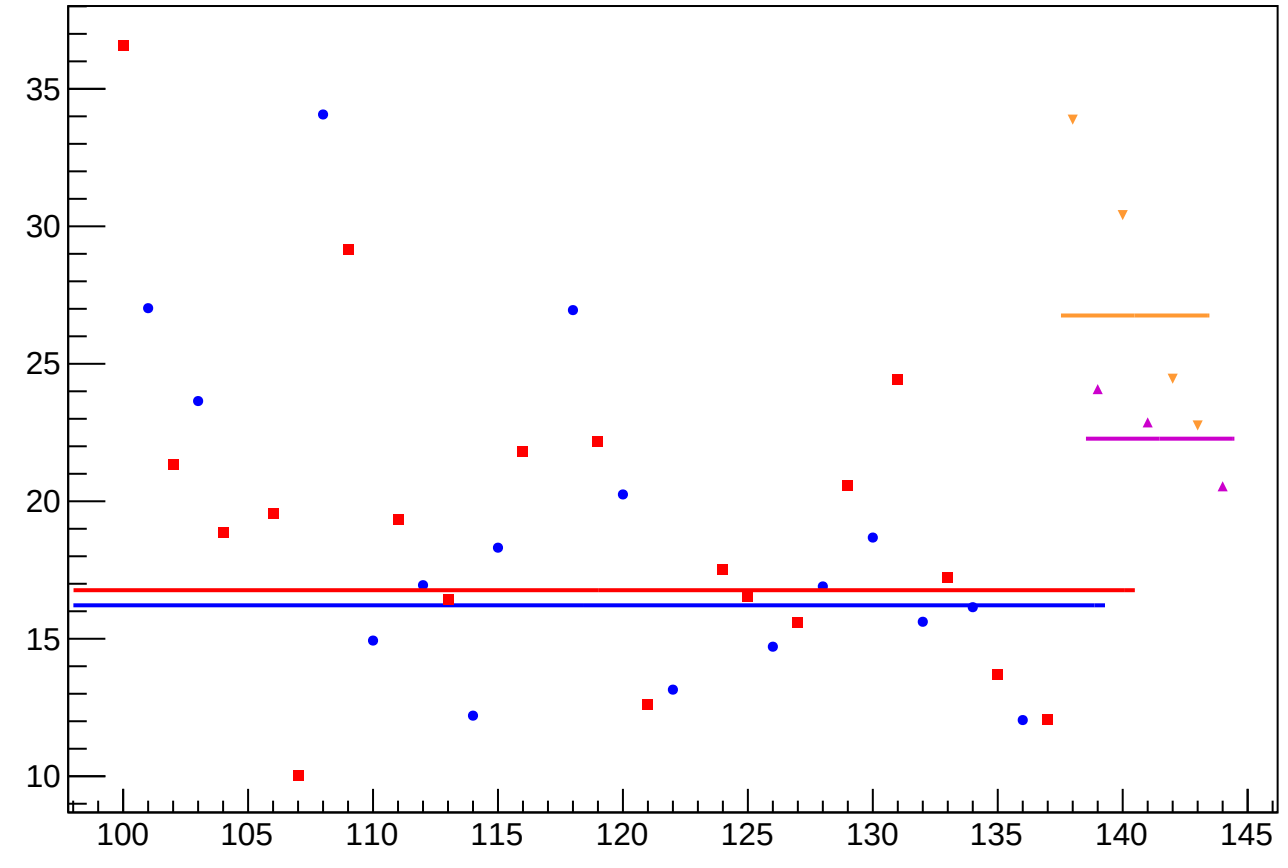
Left: -0.005+/-0.011 χ^2/NDF: 6.8/6

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.006 χ^2/NDF:24.0/18

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.003+/-0.004 χ^2/NDF: 42.6/41



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 26.757+/-0.012 χ^2/NDF:145824.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.277+/-0.010 χ^2/NDF:22371.3/2

Left: 24.195+/-0.008 χ^2/NDF: 254727.6/6

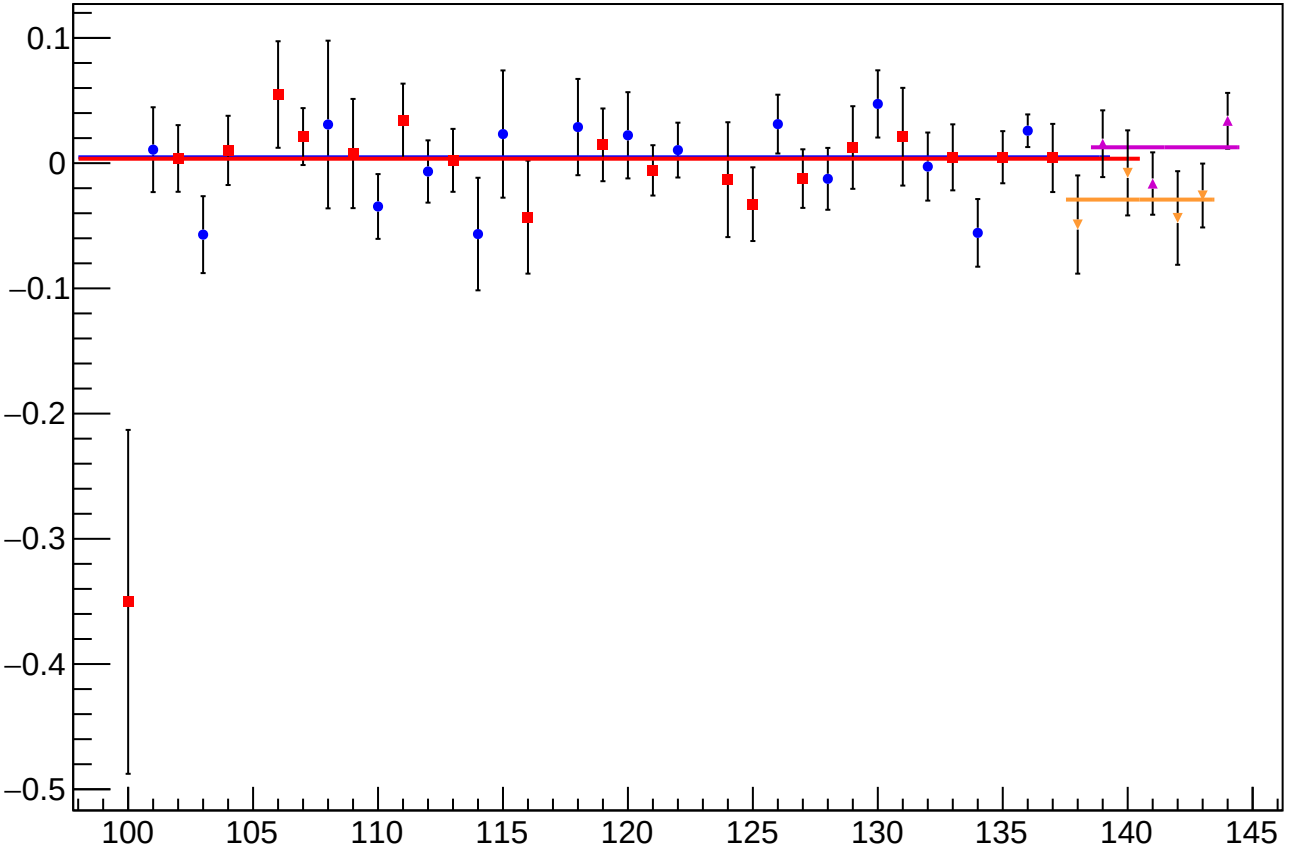
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.297+/-0.004 χ^2/NDF:1270110.2/18

Out: 18.185+/-0.004 χ^2/NDF:1658254.1/22

All: 17.727+/-0.003 χ^2/NDF: 2949937.7/41

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.013+/-0.014 χ^2/NDF:2.3/2

Left: -0.005+/-0.011 χ^2/NDF: 6.8/6

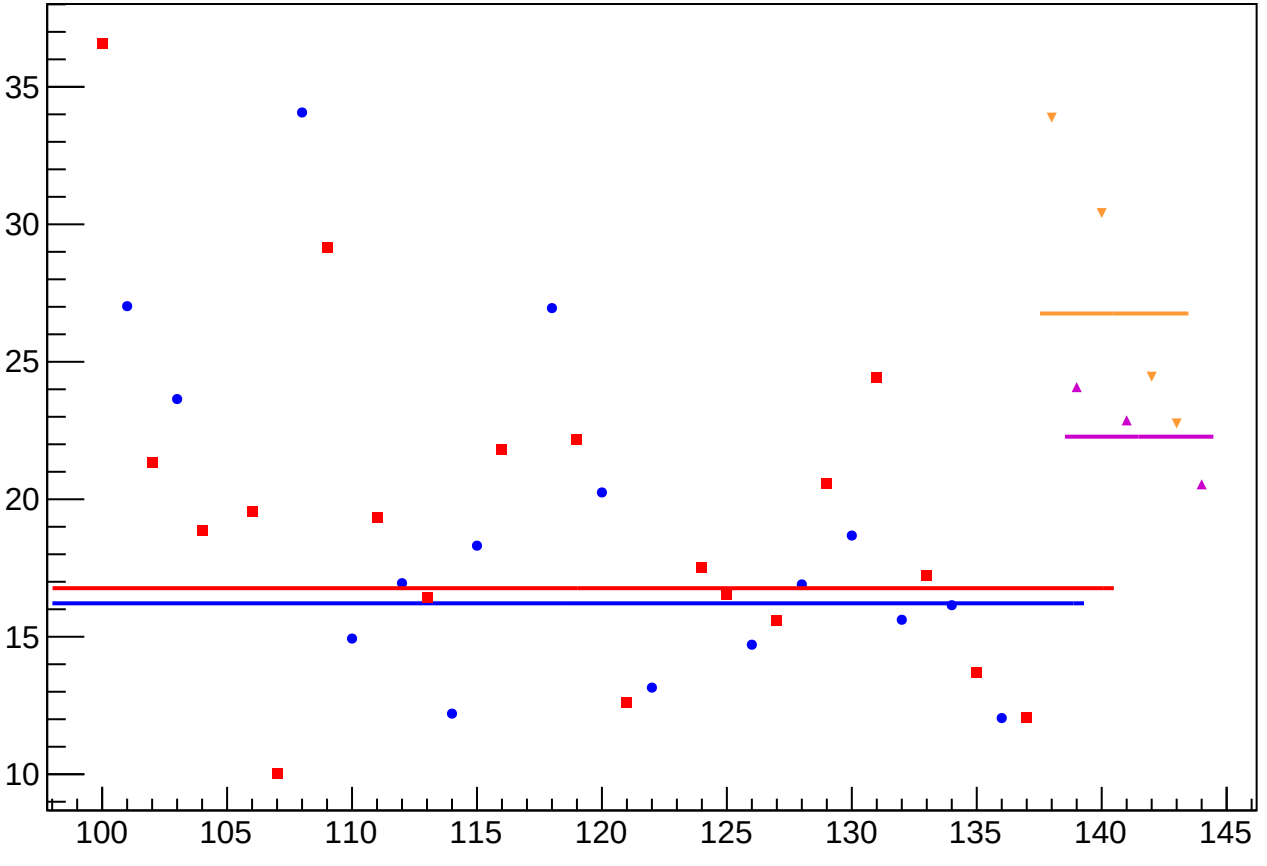
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.006 χ^2/NDF:24.0/18

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.003+/-0.004 χ^2/NDF: 42.6/41

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: 26.757+/-0.012 χ^2/NDF:145824.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.277+/-0.010 χ^2/NDF:22371.3/2

Left: 24.195+/-0.008 χ^2/NDF: 254727.6/6

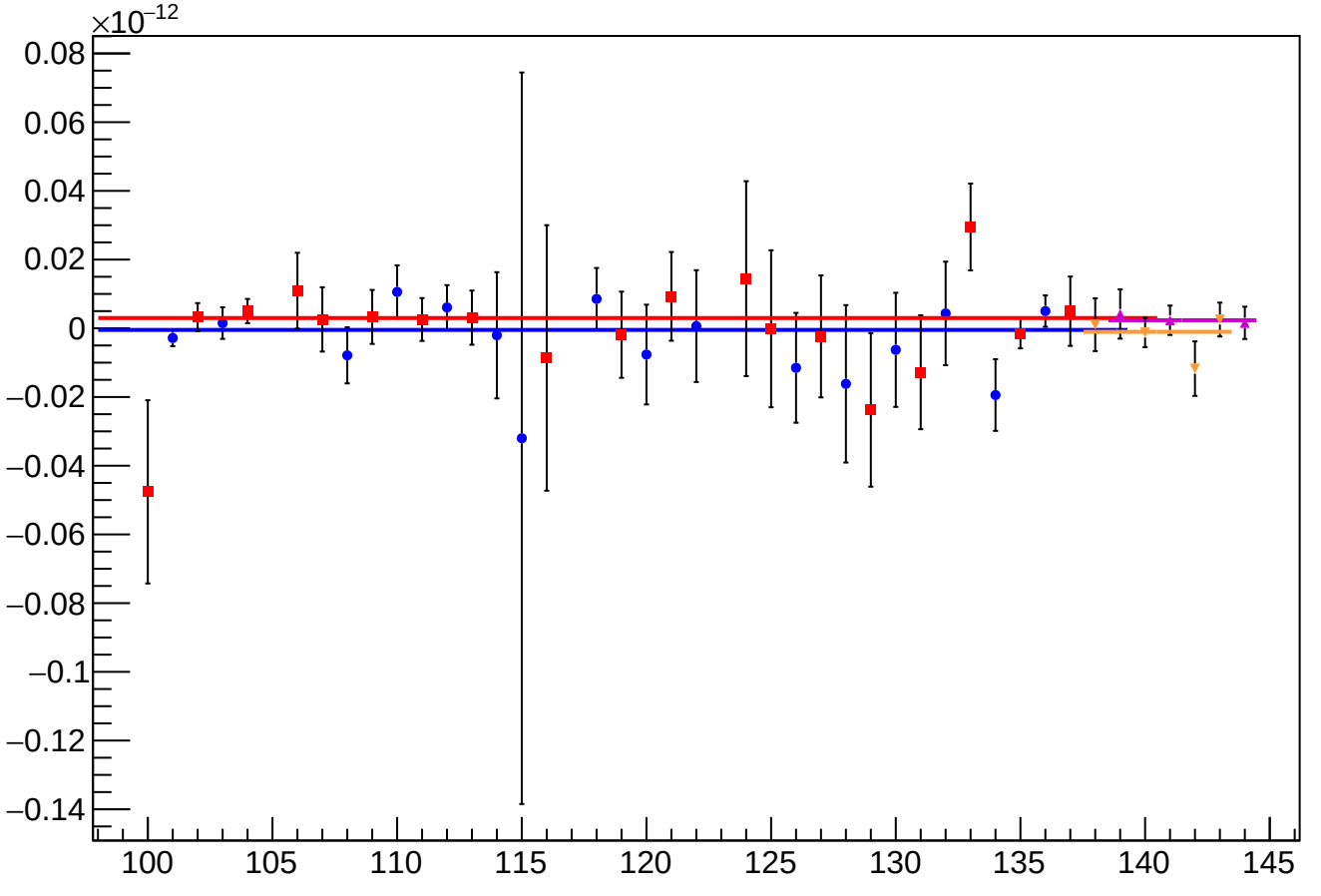
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.297+/-0.004 χ^2/NDF:1270110.2/18

Out: 18.185+/-0.004 χ^2/NDF:1658254.1/22

All: 17.727+/-0.003 χ^2/NDF: 2949937.7/41

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

Left: 0.000+/-0.000 χ^2/NDF: 3.2/6

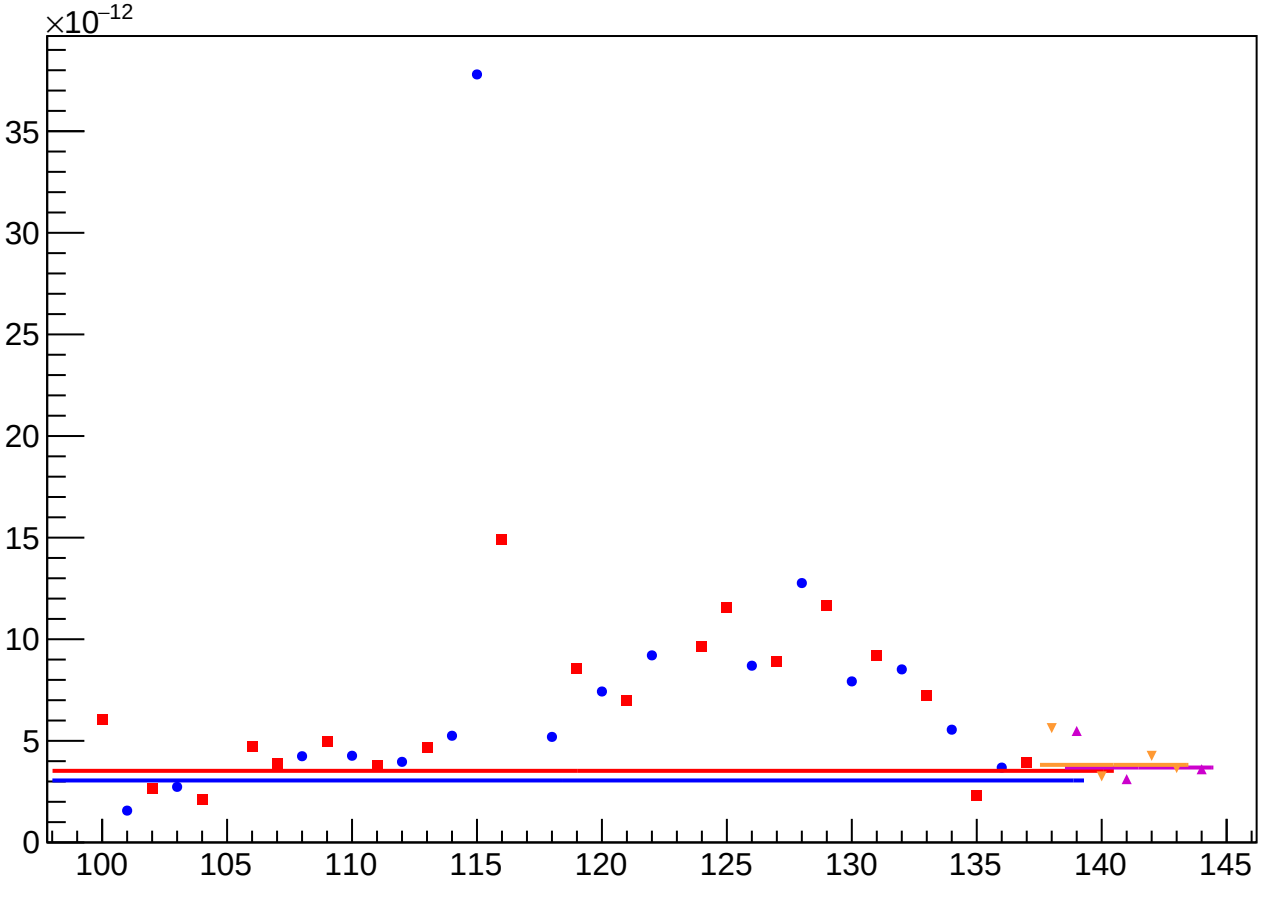
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:13.1/18

Out: 0.000+/-0.000 χ^2/NDF:16.9/22

All: 0.000+/-0.000 χ^2/NDF: 30.6/41

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:154054.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:162310.7/2

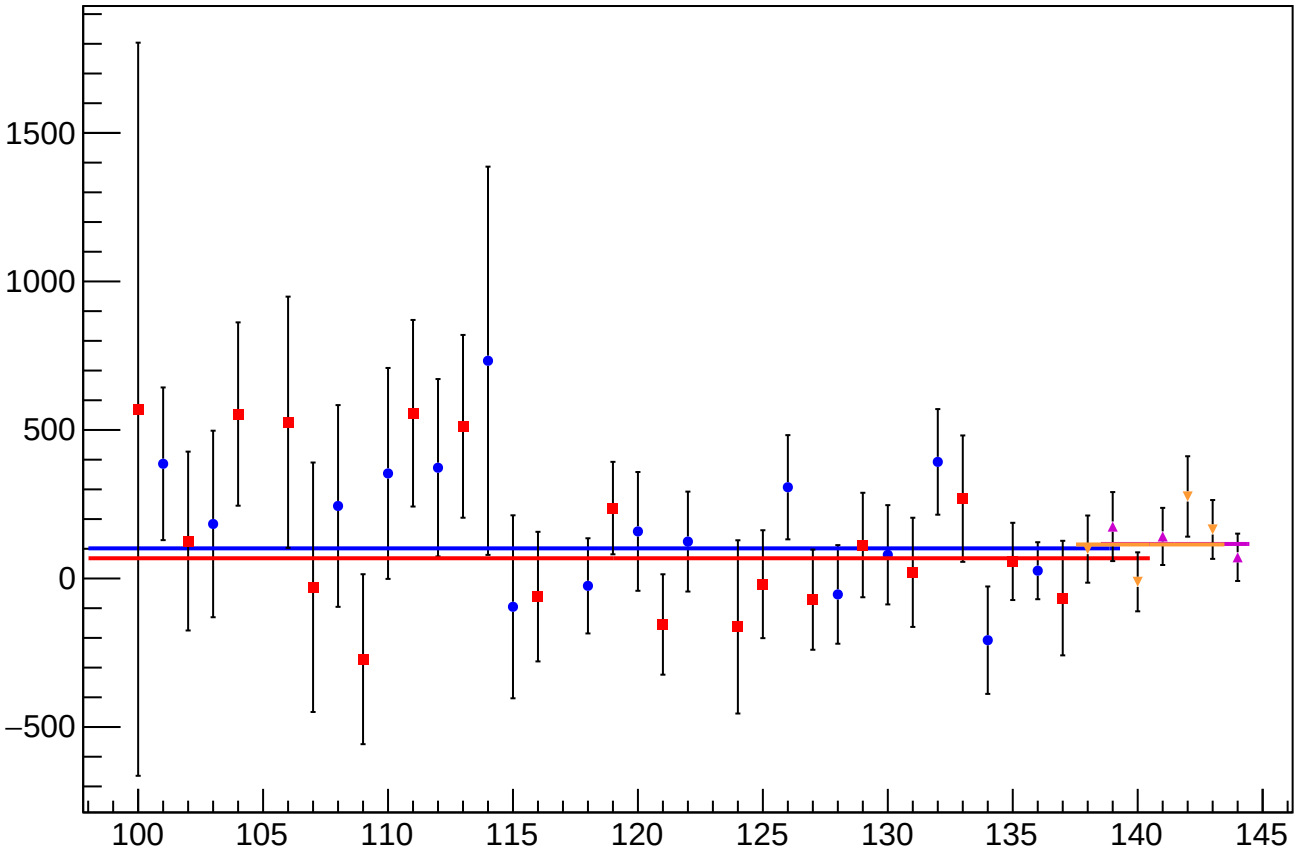
Left: 0.000+/-0.000 χ^2/NDF: 318499.1/6

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3172916.3/18

Out: 0.000+/-0.000 χ^2/NDF:2728931.5/22

All: 0.000+/-0.000 χ^2/NDF: 5978290.0/41



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 114.526+/-54.545 χ^2/NDF:3.3/3

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 116.240+/-54.258 χ^2/NDF:0.6/2

Left: 115.388+/-38.467 χ^2/NDF: 4.0/6

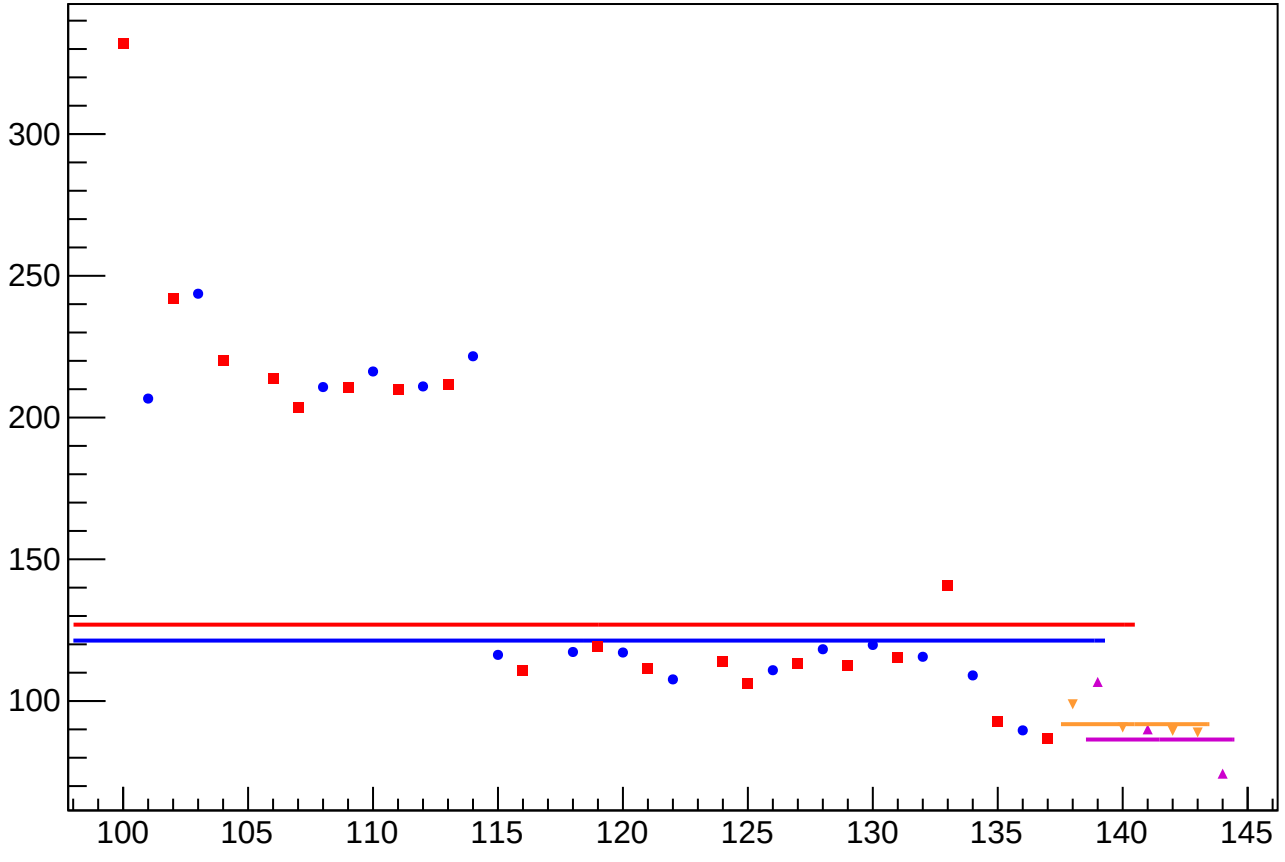
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 107.893+/-35.795 χ^2/NDF:14.0/18

Out: 88.991+/-36.586 χ^2/NDF:19.8/22

All: 98.648+/-25.586 χ^2/NDF: 34.0/41

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

Left: 89.115+/-0.027 χ^2/NDF: 129827.2/6

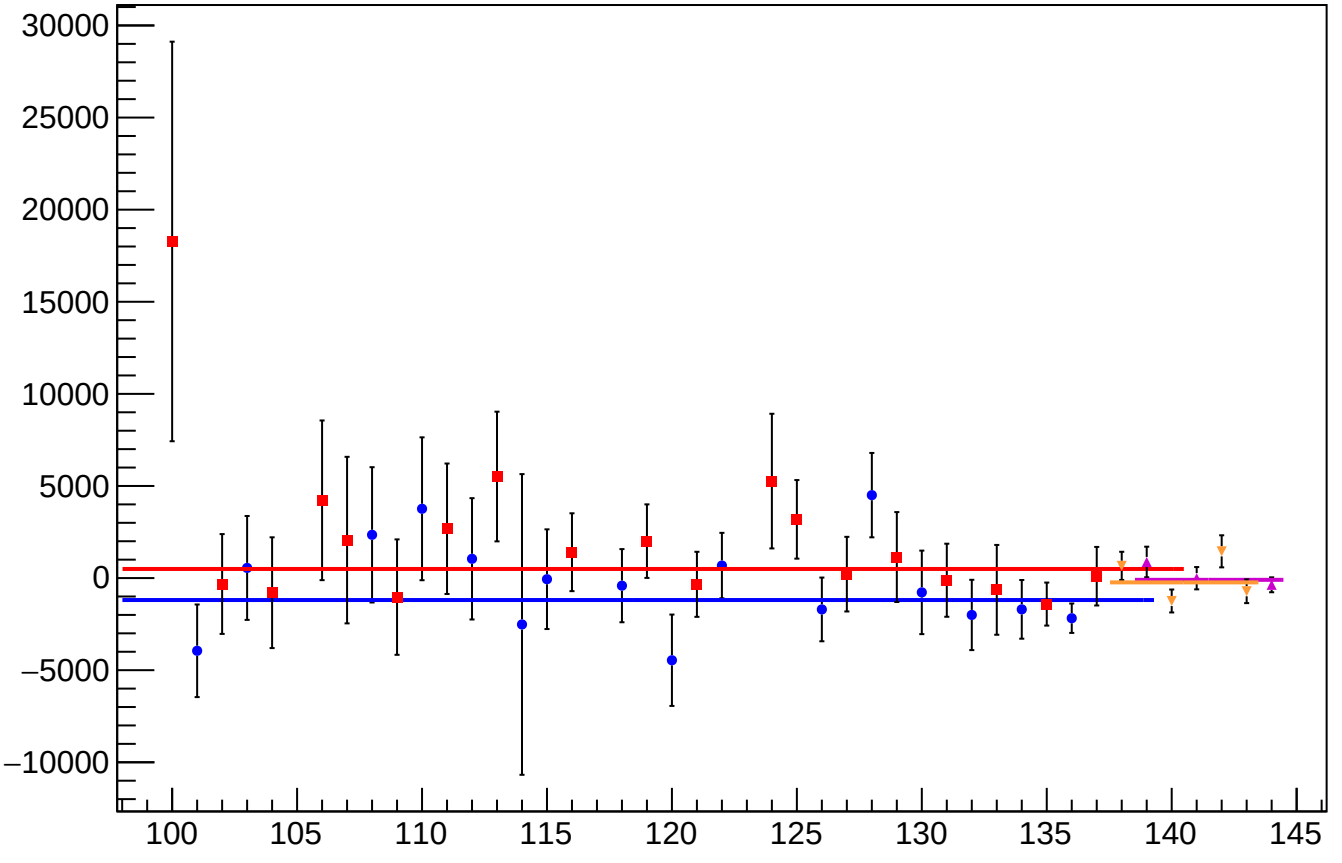
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 106.134+/-0.025 χ^2/NDF:1863683.0/18

Out: 111.150+/-0.026 χ^2/NDF:1937687.0/22

All: 108.587+/-0.018 χ^2/NDF: 3820579.9/41

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: -234.171+/-353.247 χ^2/NDF:8.3/3

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -95.320+/-311.816 χ^2/NDF:1.8/2

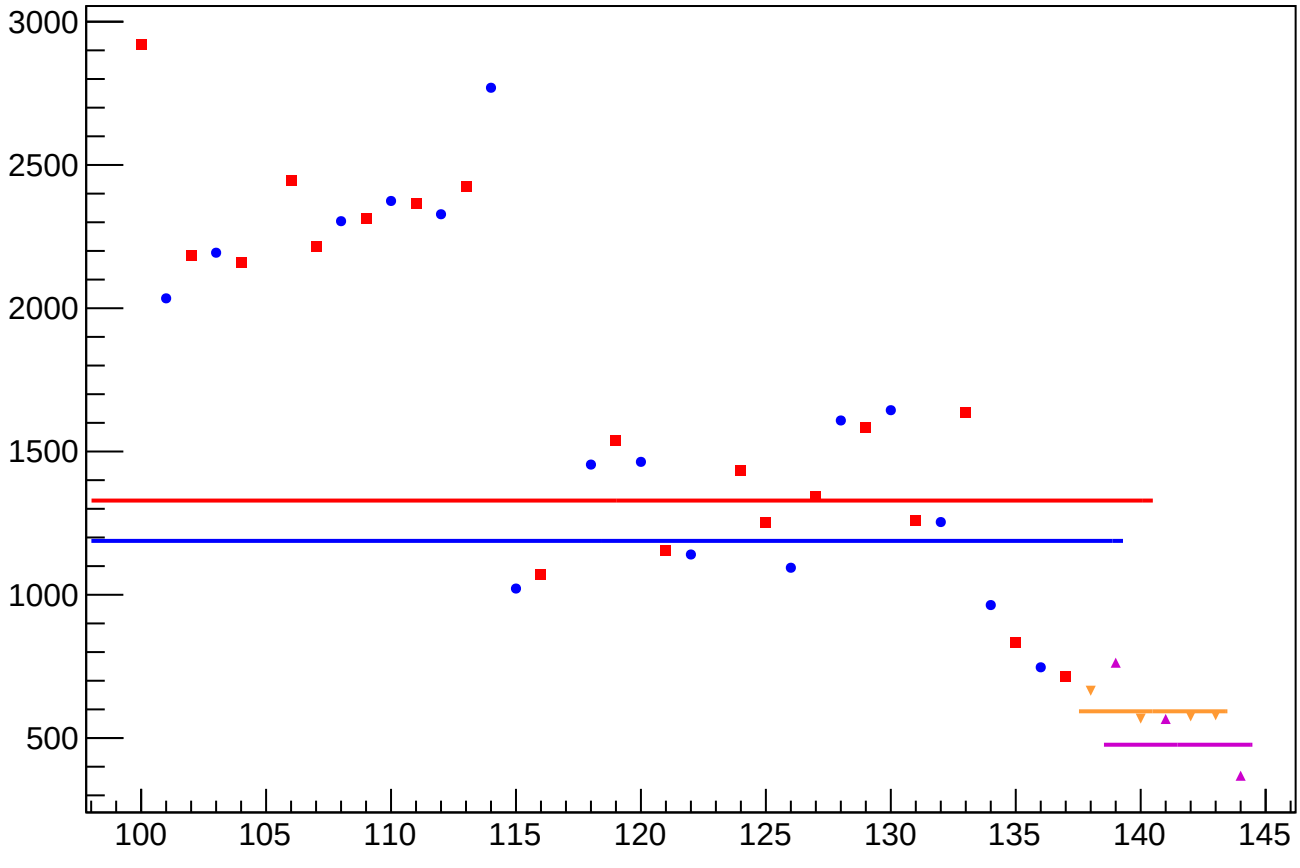
Left: -156.129+/-233.769 χ^2/NDF: 10.2/6

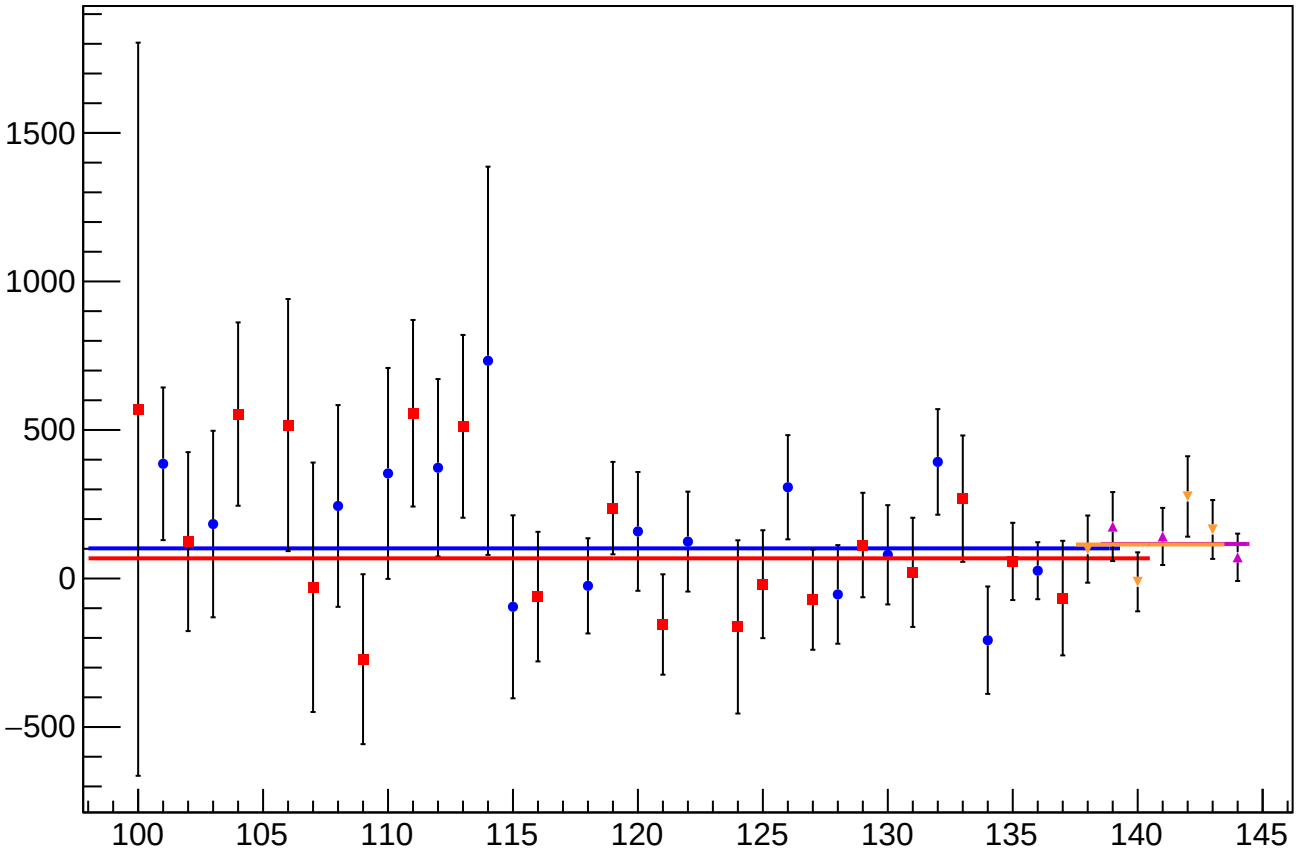
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -421.871+/-261.309 χ^2/NDF:21.4/18

Out: -5.106+/-292.512 χ^2/NDF:23.5/22

All: -236.895+/-194.875 χ^2/NDF: 46.1/41


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
140
145
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 593.318+/-0.250 χ²/NDF:22708.5/3
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 476.685+/-0.220 χ²/NDF:424797.8/2
Left: 527.764+/-0.165 χ²/NDF: 570050.2/6
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 688.477+/-0.185 χ²/NDF:5568608.5/18
Out: 824.489+/-0.207 χ²/NDF:4705613.0/22
All: 748.844+/-0.138 χ²/NDF: 10514715.0/41



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 116.248+/-54.258 χ^2/NDF:0.6/2

Left: 115.392+/-38.467 χ^2/NDF: 4.0/6

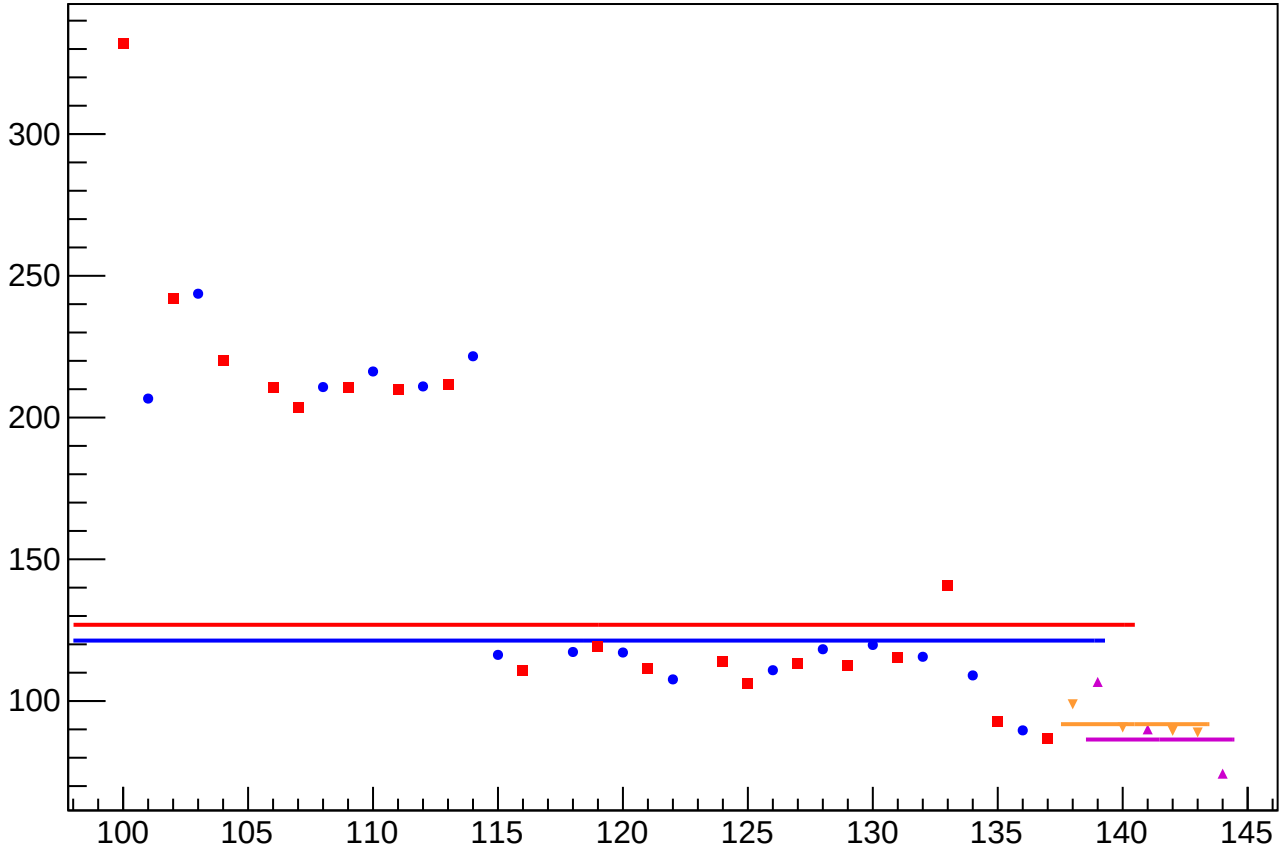
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 107.889+/-35.795 χ^2/NDF:14.0/18

Out: 88.869+/-36.587 χ^2/NDF:19.8/22

All: 98.587+/-25.586 χ^2/NDF: 34.0/41

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

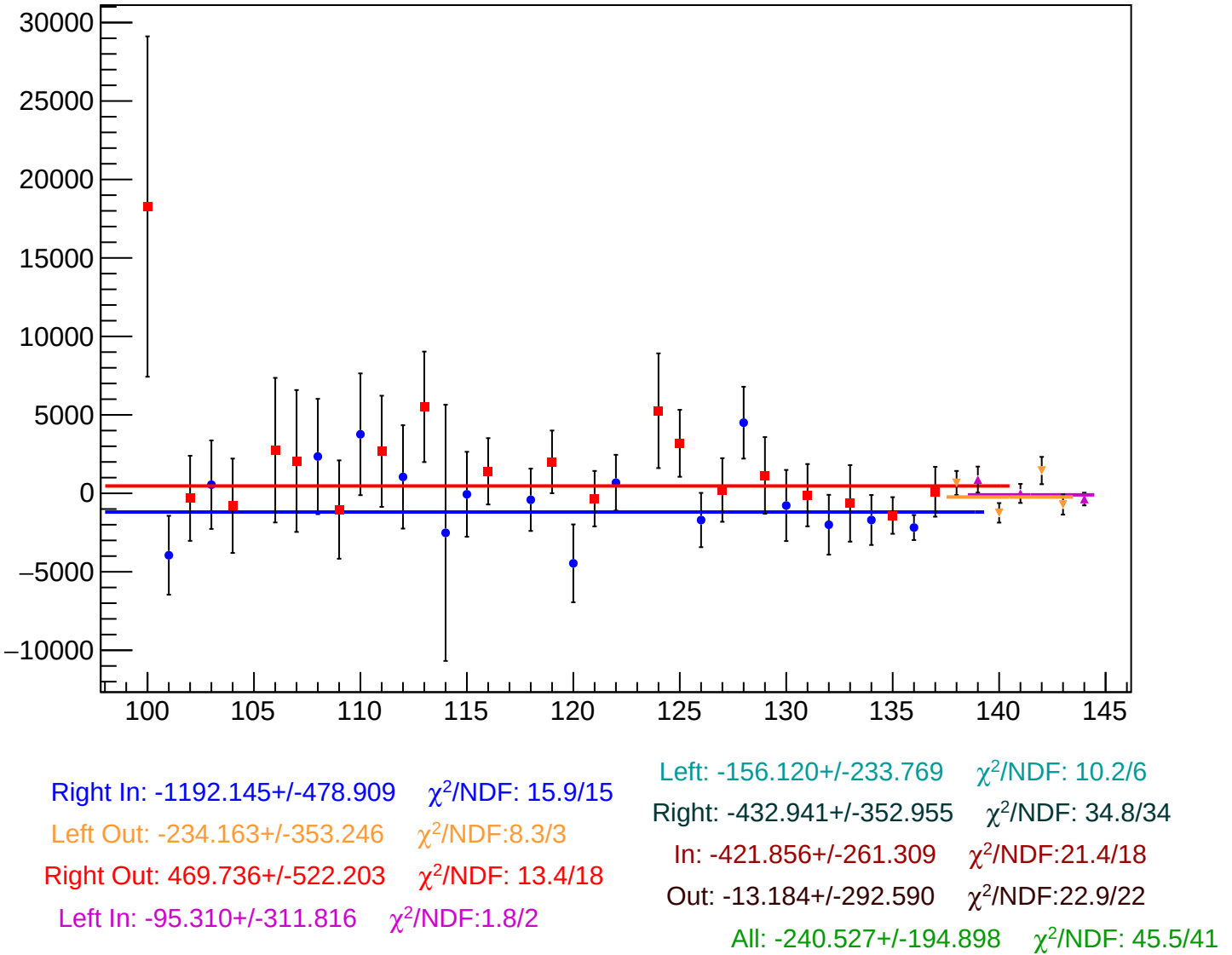
Left: 89.115+/-0.027 χ^2/NDF: 129827.2/6

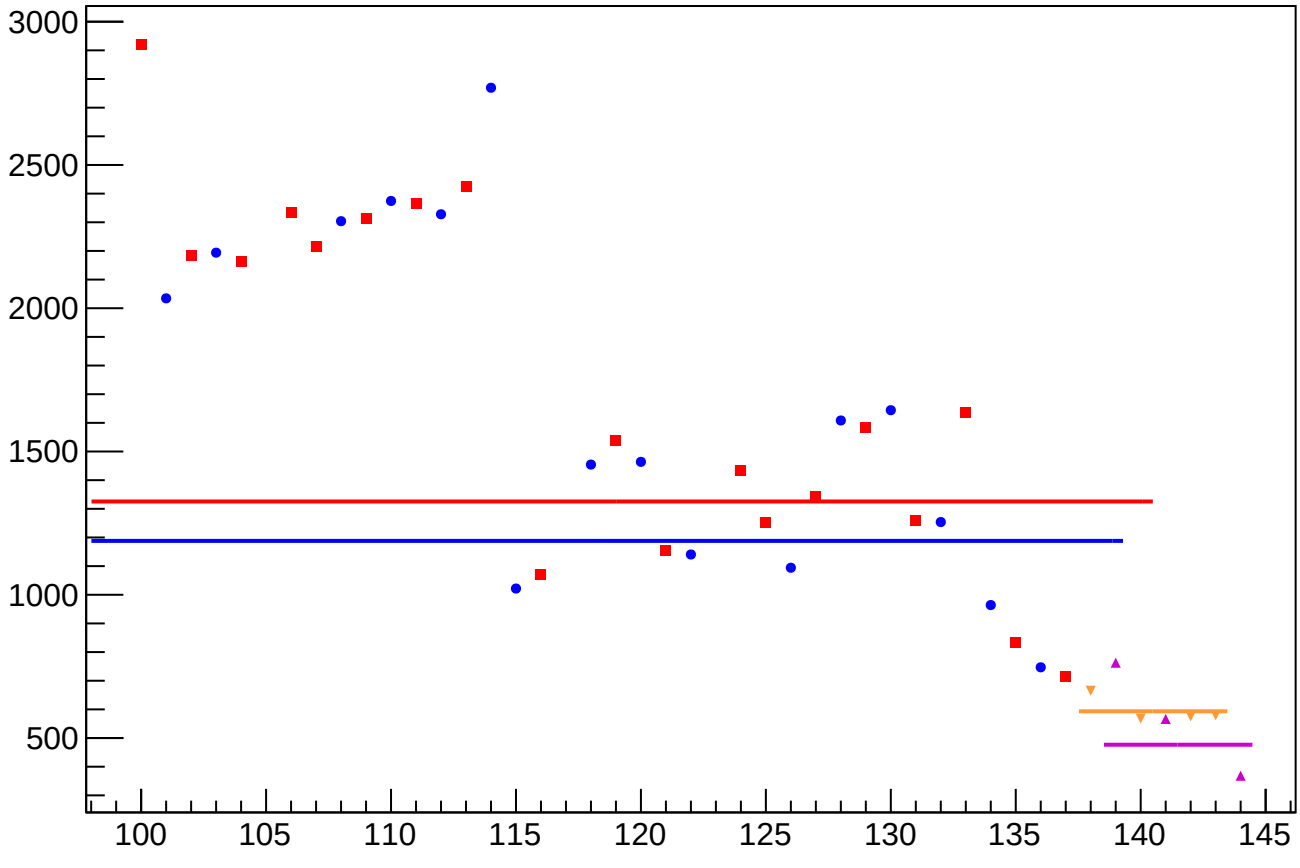
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 106.134+/-0.025 χ^2/NDF:1863685.4/18

Out: 111.122+/-0.026 χ^2/NDF:1930250.4/22

All: 108.573+/-0.018 χ^2/NDF: 3812926.6/41


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -234.163+/-353.246 χ²/NDF:8.3/3
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -95.310+/-311.816 χ²/NDF:1.8/2
Left: -156.120+/-233.769 χ²/NDF: 10.2/6
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -421.856+/-261.309 χ²/NDF:21.4/18
Out: -13.184+/-292.590 χ²/NDF:22.9/22
All: -240.527+/-194.898 χ²/NDF: 45.5/41



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 593.318+/-0.250 χ^2/NDF:22708.6/3

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 476.686+/-0.220 χ^2/NDF:424797.7/2

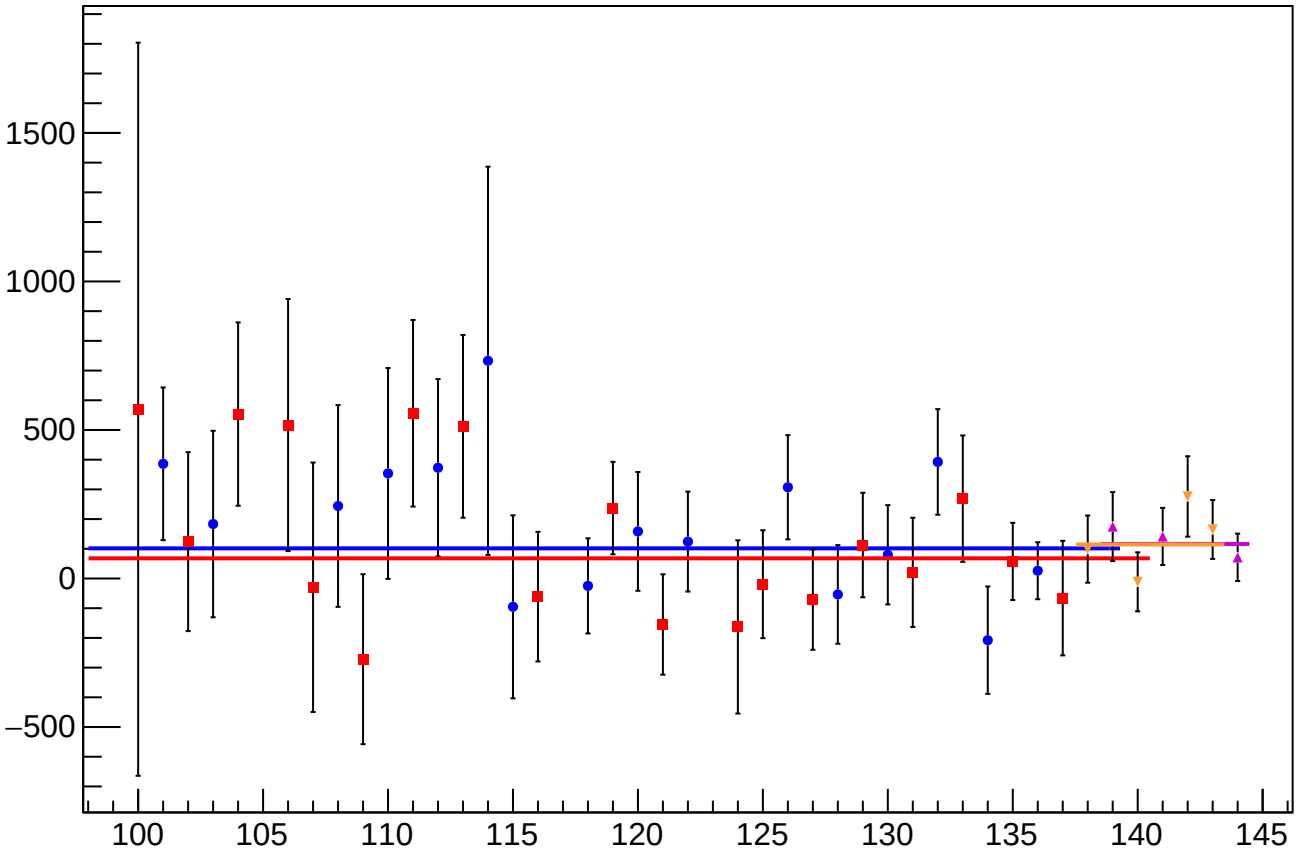
Left: 527.764+/-0.165 χ^2/NDF: 570049.3/6

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 688.476+/-0.185 χ^2/NDF:5568628.4/18

Out: 823.196+/-0.207 χ^2/NDF:4641622.0/22

All: 748.252+/-0.138 χ^2/NDF: 10446123.1/41



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 116.248+/-54.258 χ^2/NDF:0.6/2

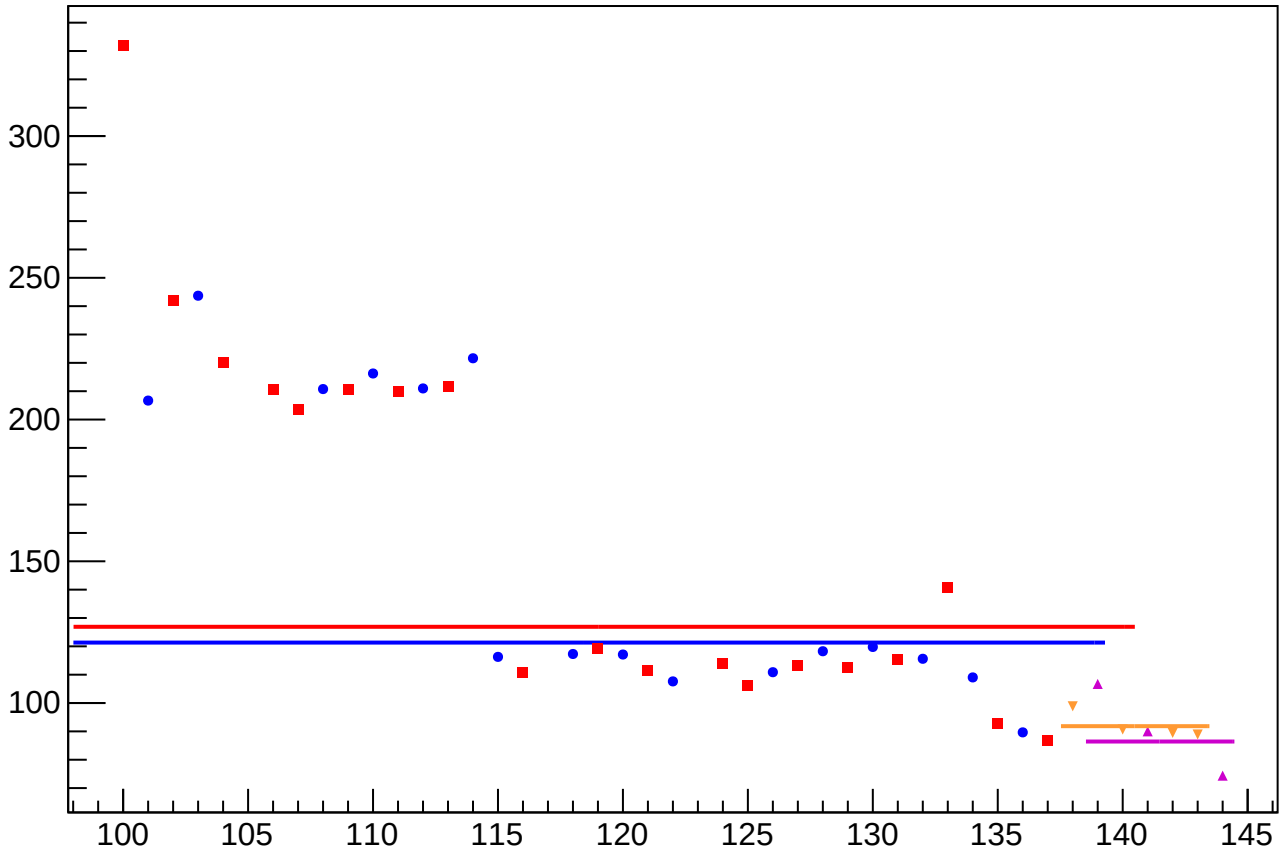
Left: 115.392+/-38.467 χ^2/NDF: 4.0/6

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 107.889+/-35.795 χ^2/NDF:14.0/18

Out: 88.869+/-36.587 χ^2/NDF:19.8/22

All: 98.587+/-25.586 χ^2/NDF: 34.0/41



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.422+/-0.038 χ^2/NDF:109590.1/2

Left: 89.115+/-0.027 χ^2/NDF: 129827.2/6

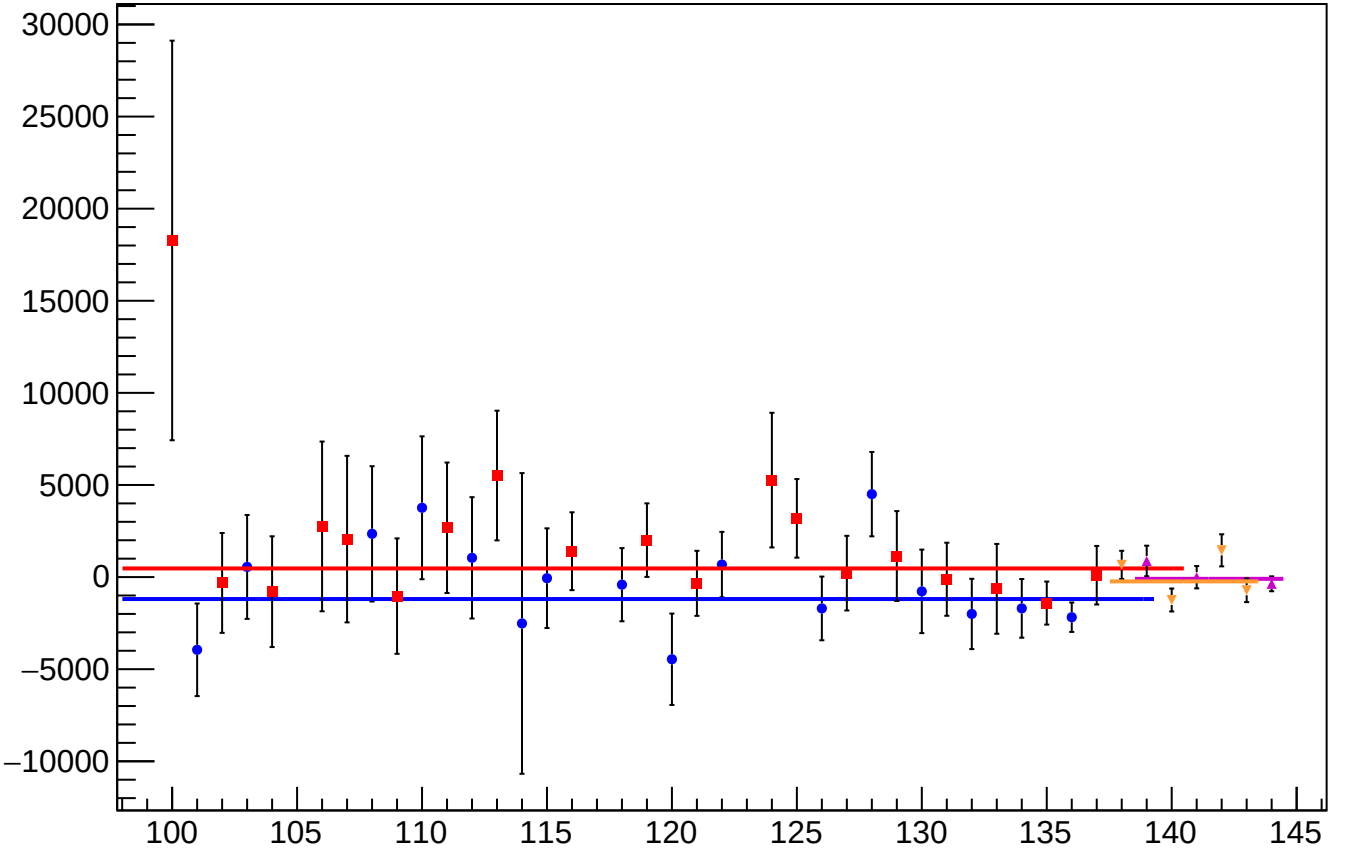
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 106.134+/-0.025 χ^2/NDF:1863685.4/18

Out: 111.122+/-0.026 χ^2/NDF:1930250.4/22

All: 108.573+/-0.018 χ^2/NDF: 3812926.6/41

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: -234.163+/-353.246 χ^2/NDF:8.3/3

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -95.310+/-311.816 χ^2/NDF:1.8/2

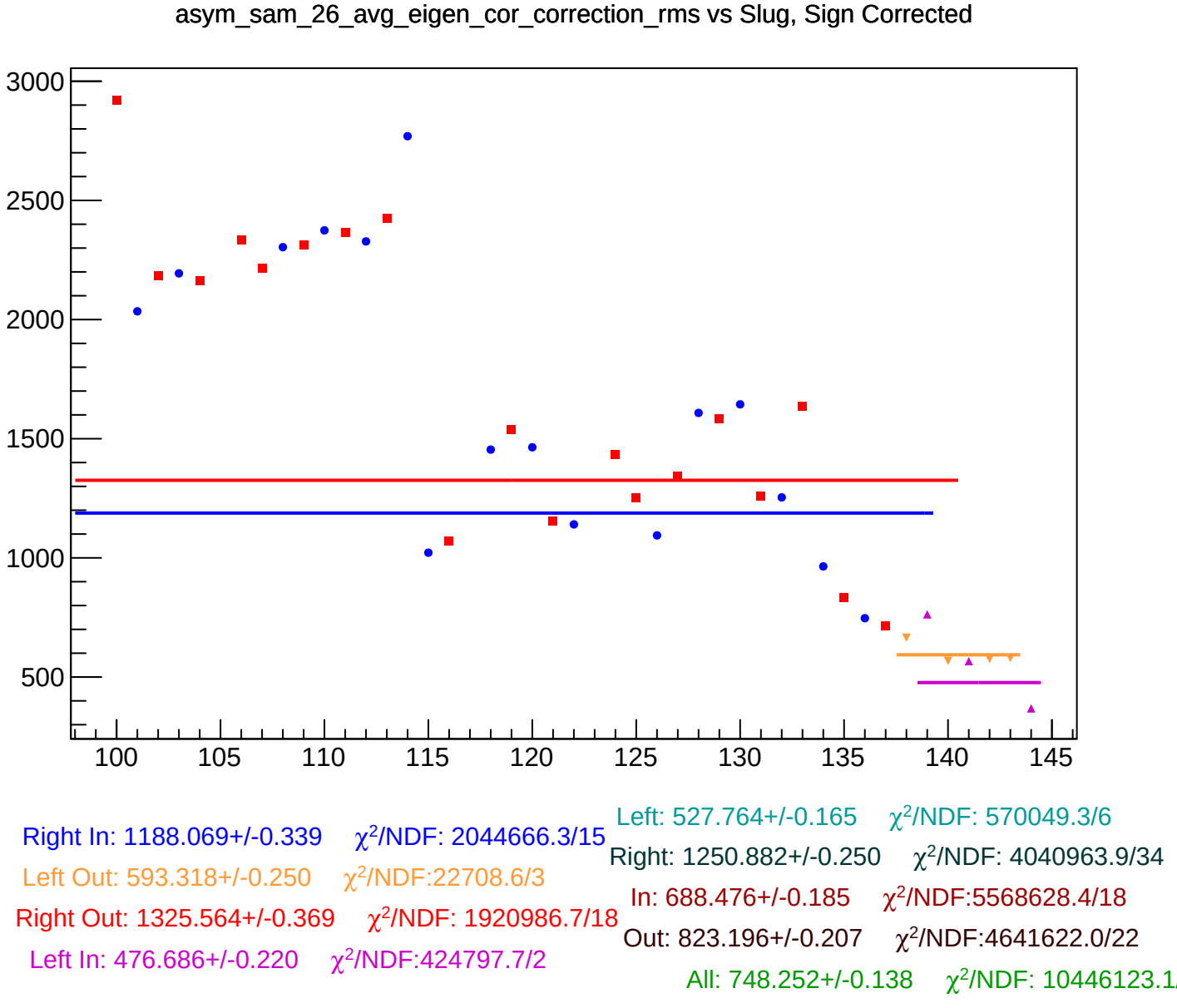
Left: -156.120+/-233.769 χ^2/NDF: 10.2/6

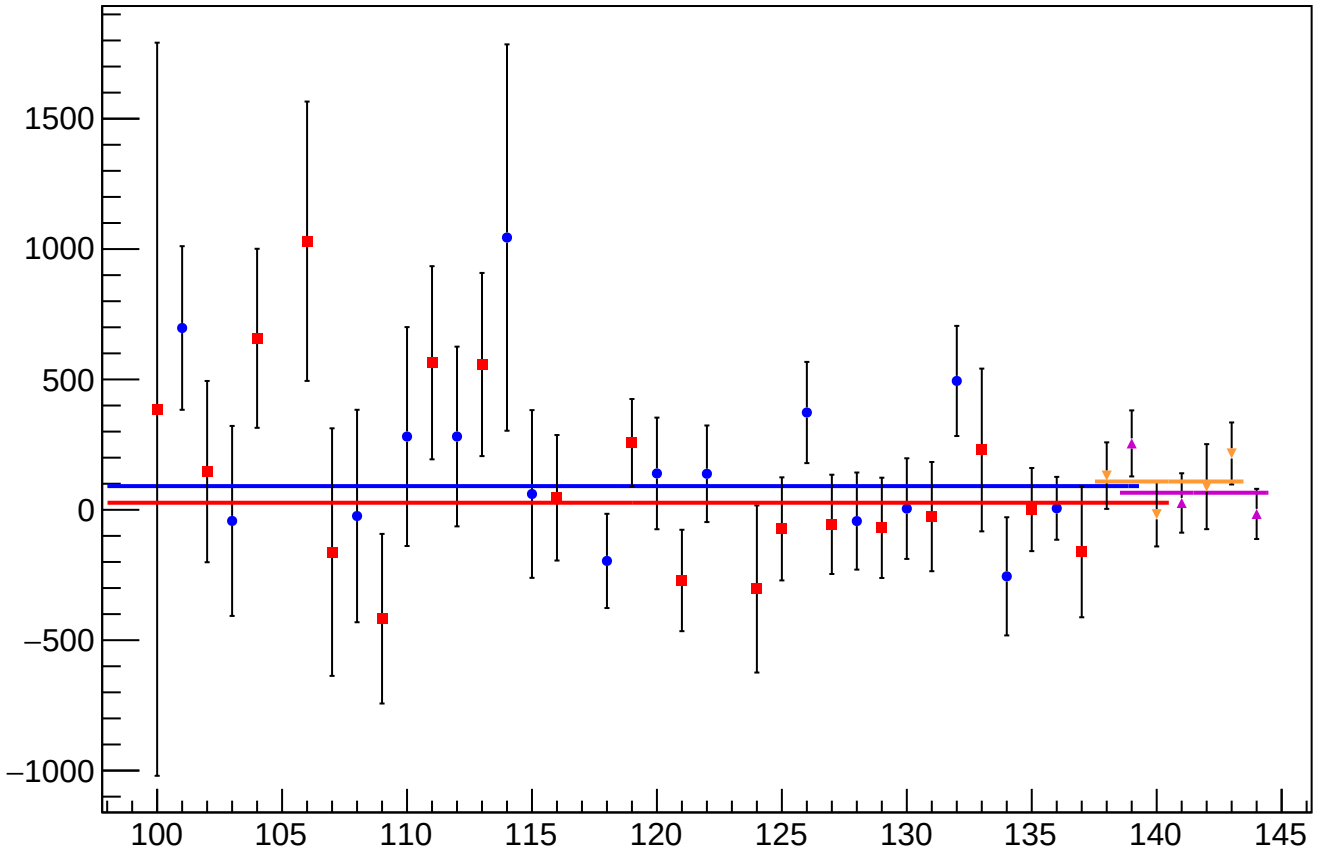
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -421.856+/-261.309 χ^2/NDF:21.4/18

Out: -13.184+/-292.590 χ^2/NDF:22.9/22

All: -240.527+/-194.898 χ^2/NDF: 45.5/41


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
140
145
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 593.318+/-0.250 χ²/NDF:22708.6/3
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 476.686+/-0.220 χ²/NDF:424797.7/2
Left: 527.764+/-0.165 χ²/NDF: 570049.3/6
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 688.476+/-0.185 χ²/NDF:5568628.4/18
Out: 823.196+/-0.207 χ²/NDF:4641622.0/22
All: 748.252+/-0.138 χ²/NDF: 10446123.1/41



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 108.632+/-65.161 χ^2/NDF:1.9/3

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 65.511+/-63.568 χ^2/NDF:3.1/2

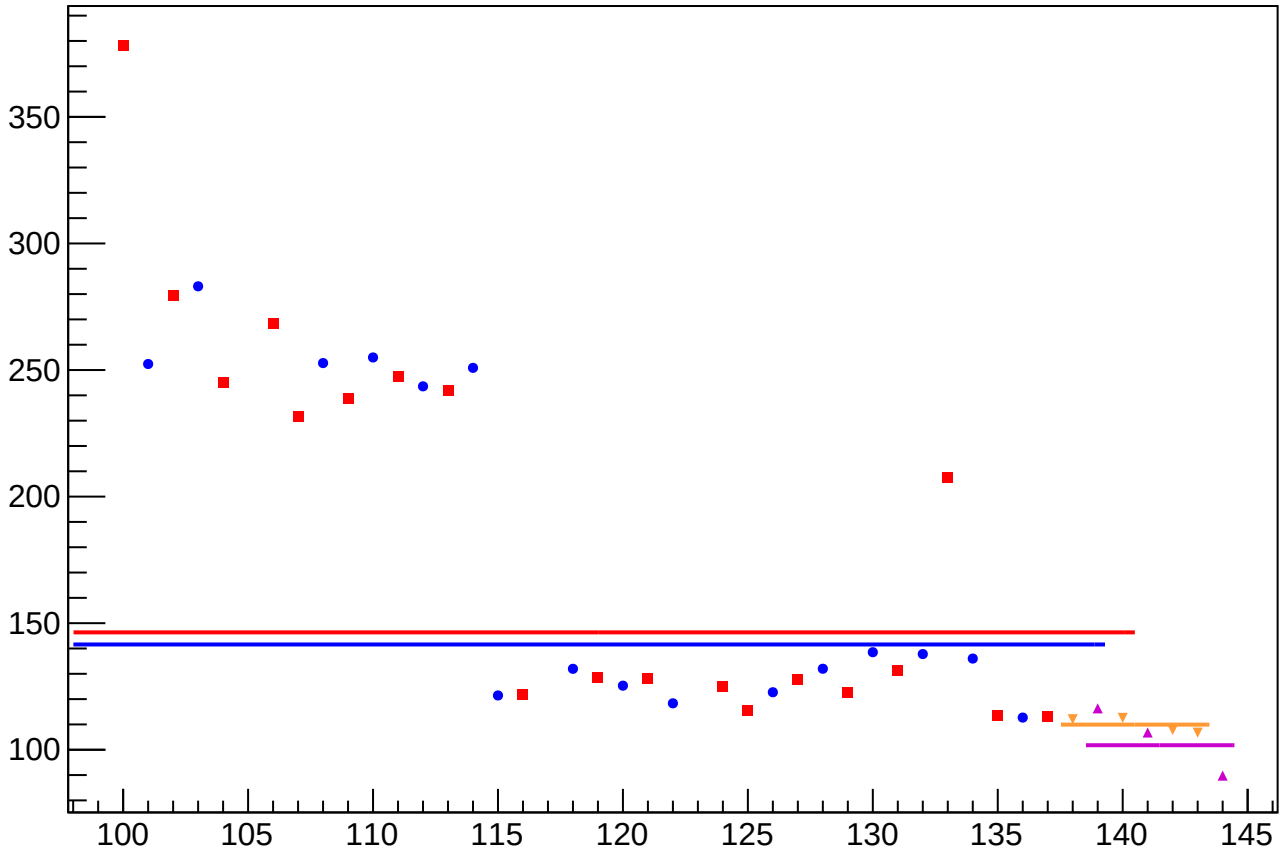
Left: 86.538+/-45.502 χ^2/NDF: 5.2/6

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 79.908+/-41.835 χ^2/NDF:21.2/18

Out: 62.494+/-42.909 χ^2/NDF:23.3/22

All: 71.421+/-29.954 χ^2/NDF: 44.7/41



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.4/3

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 101.784+/-0.045 χ^2/NDF:61537.3/2

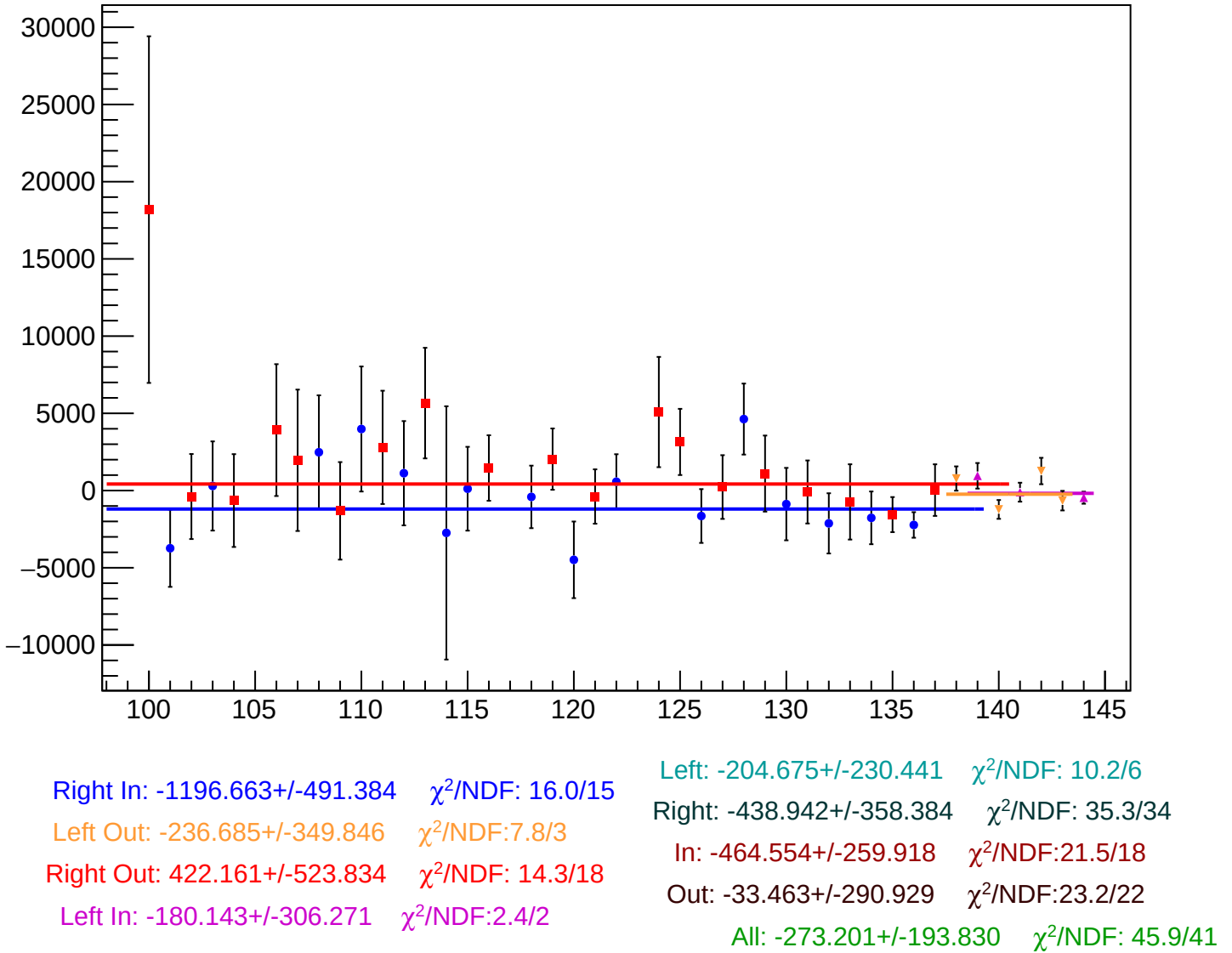
Left: 105.754+/-0.032 χ^2/NDF: 80792.1/6

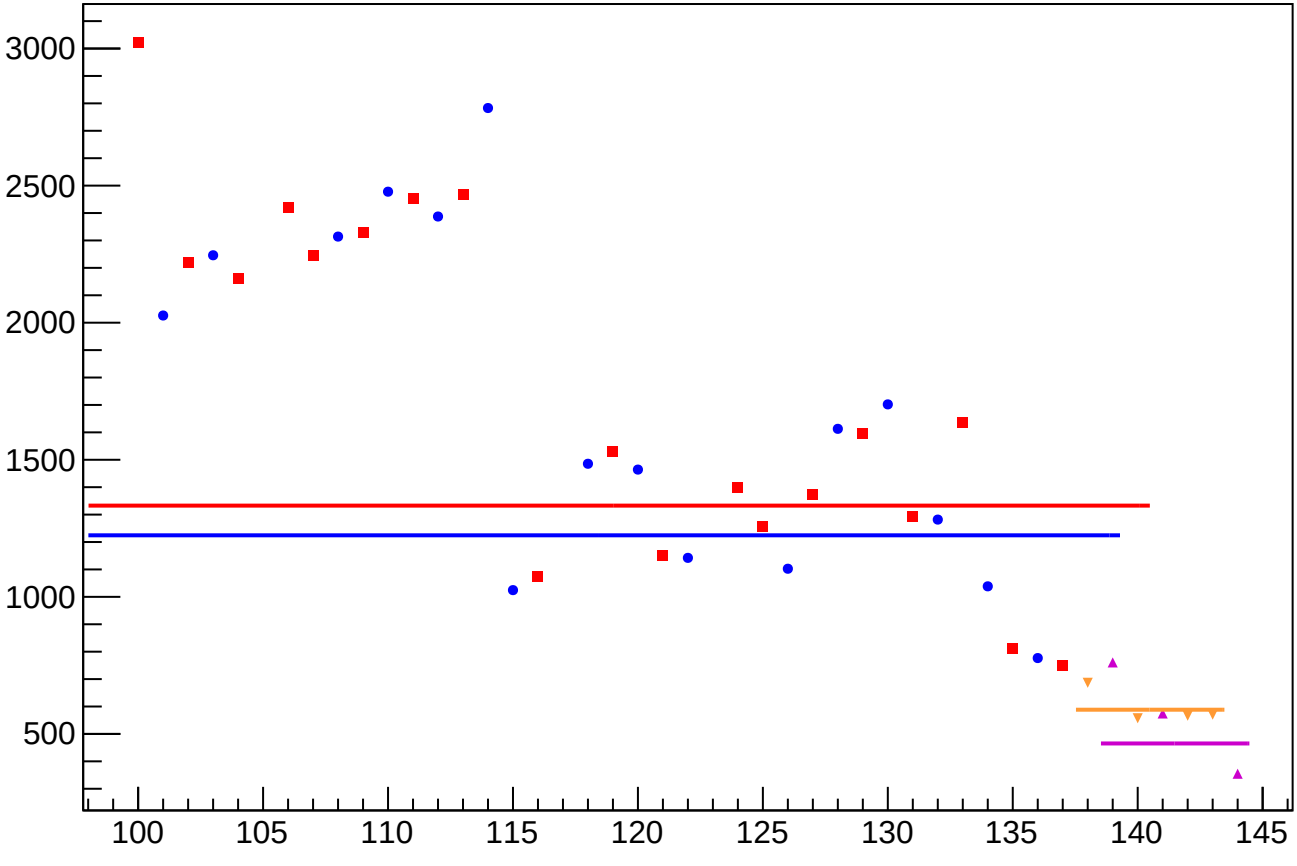
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 124.347+/-0.030 χ^2/NDF:1768389.4/18

Out: 130.566+/-0.030 χ^2/NDF:1871238.7/22

All: 127.378+/-0.021 χ^2/NDF: 3661164.0/41


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -236.685+/-349.846 χ²/NDF:7.8/3
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -180.143+/-306.271 χ²/NDF:2.4/2
Left: -204.675+/-230.441 χ²/NDF: 10.2/6
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -464.554+/-259.918 χ²/NDF:21.5/18
Out: -33.463+/-290.929 χ²/NDF:23.2/22
All: -273.201+/-193.830 χ²/NDF: 45.9/41



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 588.338+/-0.247 χ^2/NDF:39408.3/3

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 465.219+/-0.217 χ^2/NDF:477980.0/2

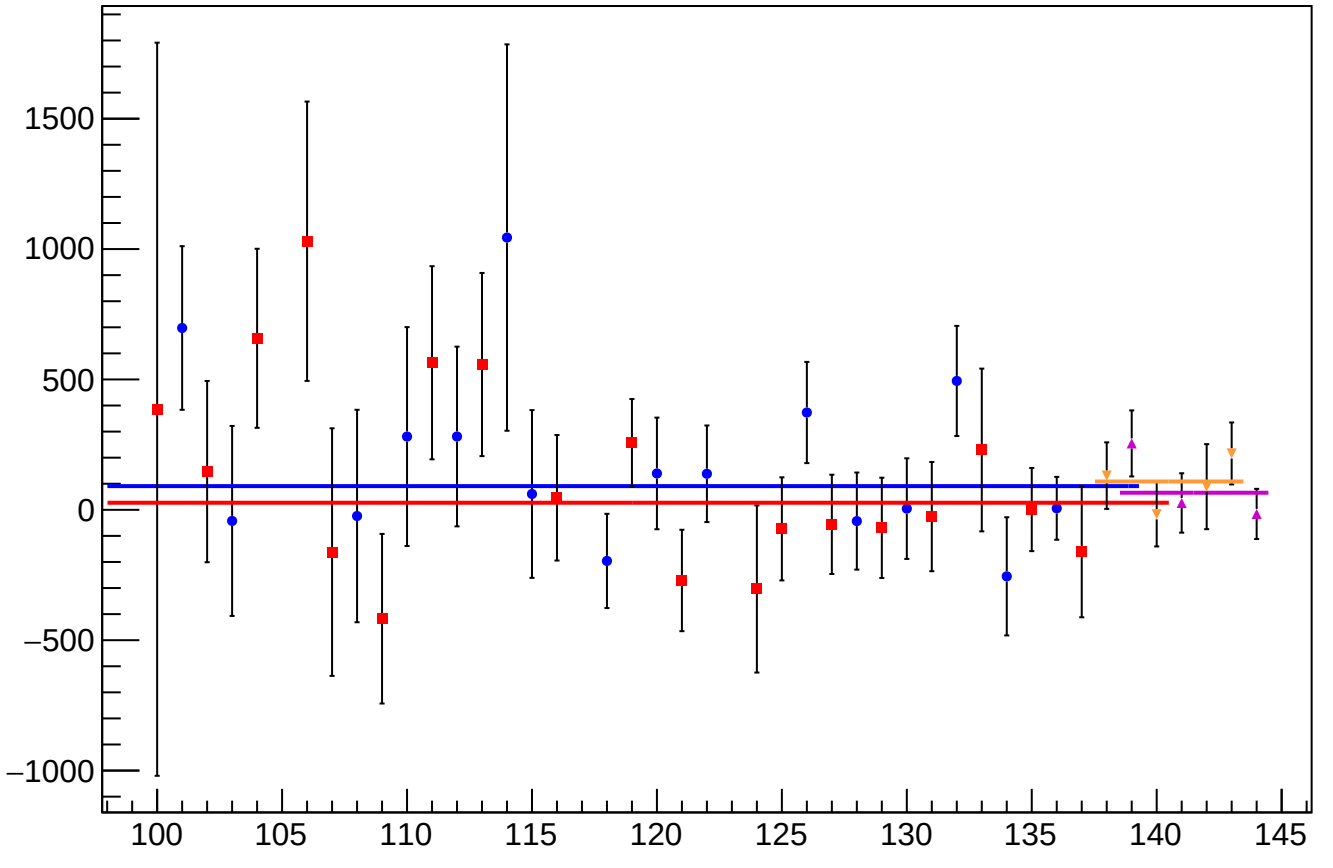
Left: 518.638+/-0.163 χ^2/NDF: 657616.3/6

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 677.649+/-0.184 χ^2/NDF:5876234.9/18

Out: 817.964+/-0.206 χ^2/NDF:4827614.0/22

All: 739.932+/-0.137 χ^2/NDF: 10962570.9/41



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 108.631+/-65.161 χ^2/NDF:1.9/3

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 65.511+/-63.568 χ^2/NDF:3.1/2

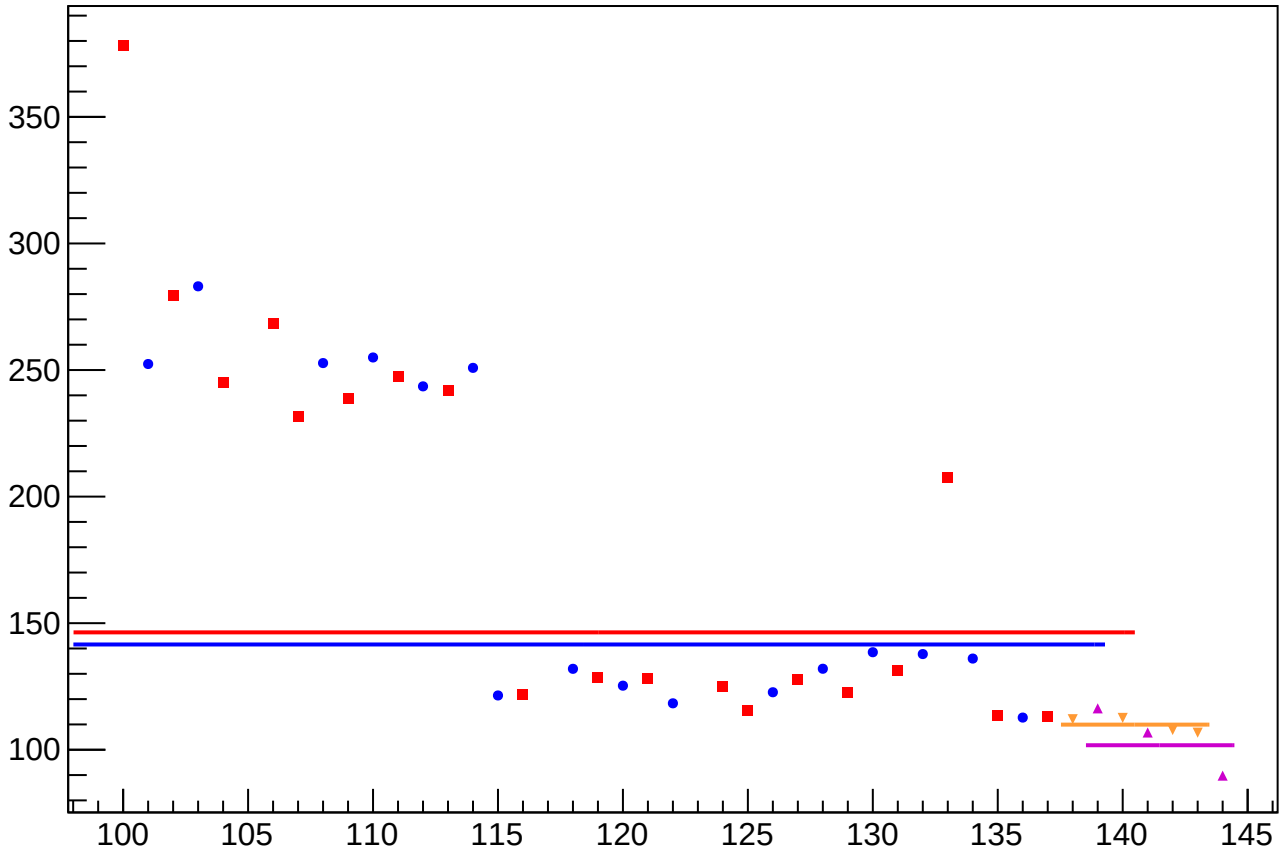
Left: 86.537+/-45.502 χ^2/NDF: 5.2/6

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 79.909+/-41.835 χ^2/NDF:21.2/18

Out: 62.493+/-42.908 χ^2/NDF:23.3/22

All: 71.422+/-29.954 χ^2/NDF: 44.7/41



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.0/3

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 101.785+/-0.045 χ^2/NDF:61535.2/2

Left: 105.754+/-0.032 χ^2/NDF: 80787.8/6

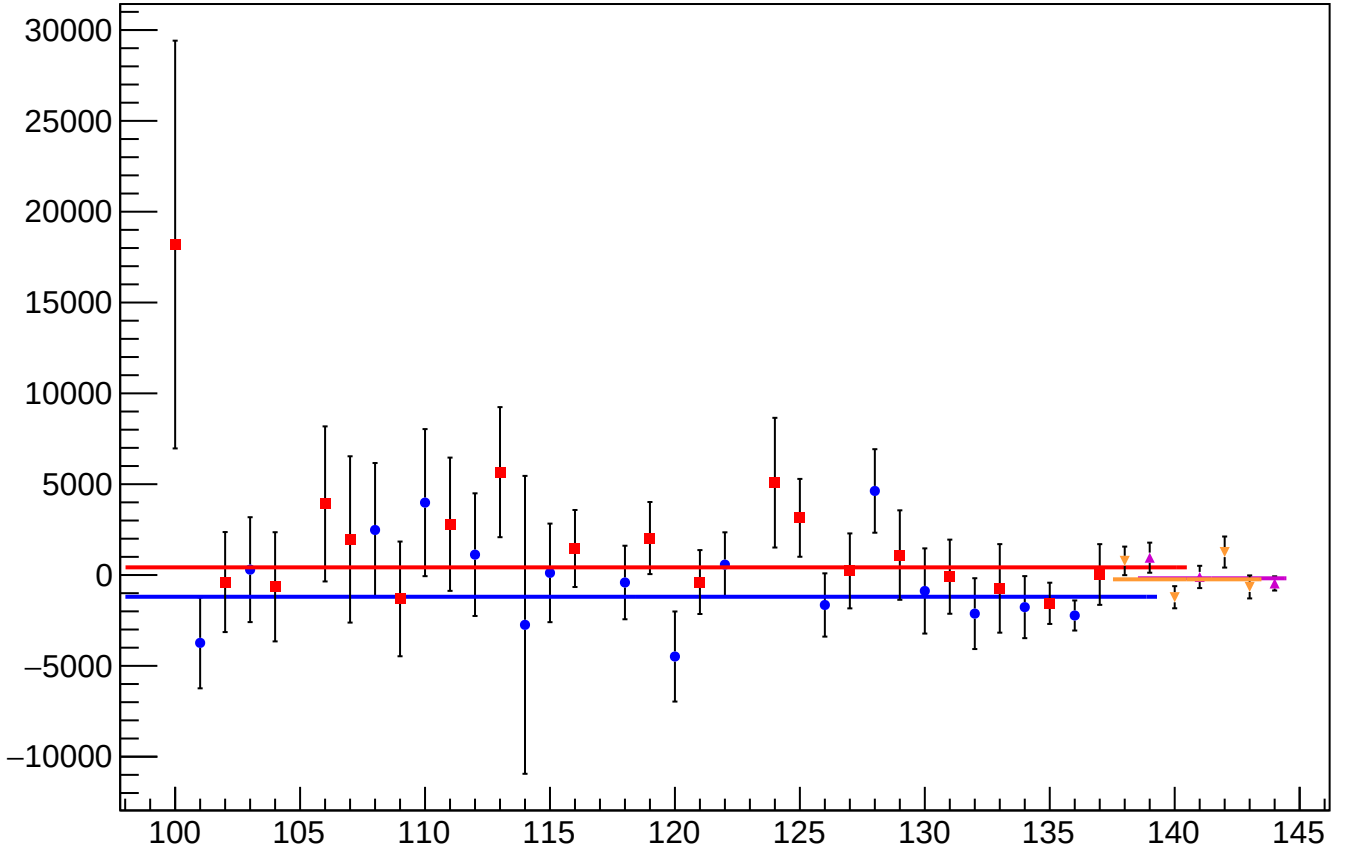
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 124.347+/-0.030 χ^2/NDF:1768341.9/18

Out: 130.566+/-0.030 χ^2/NDF:1871214.8/22

All: 127.378+/-0.021 χ^2/NDF: 3661091.7/41

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: -236.684+/-349.846 χ^2/NDF:7.8/3

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -180.143+/-306.270 χ^2/NDF:2.4/2

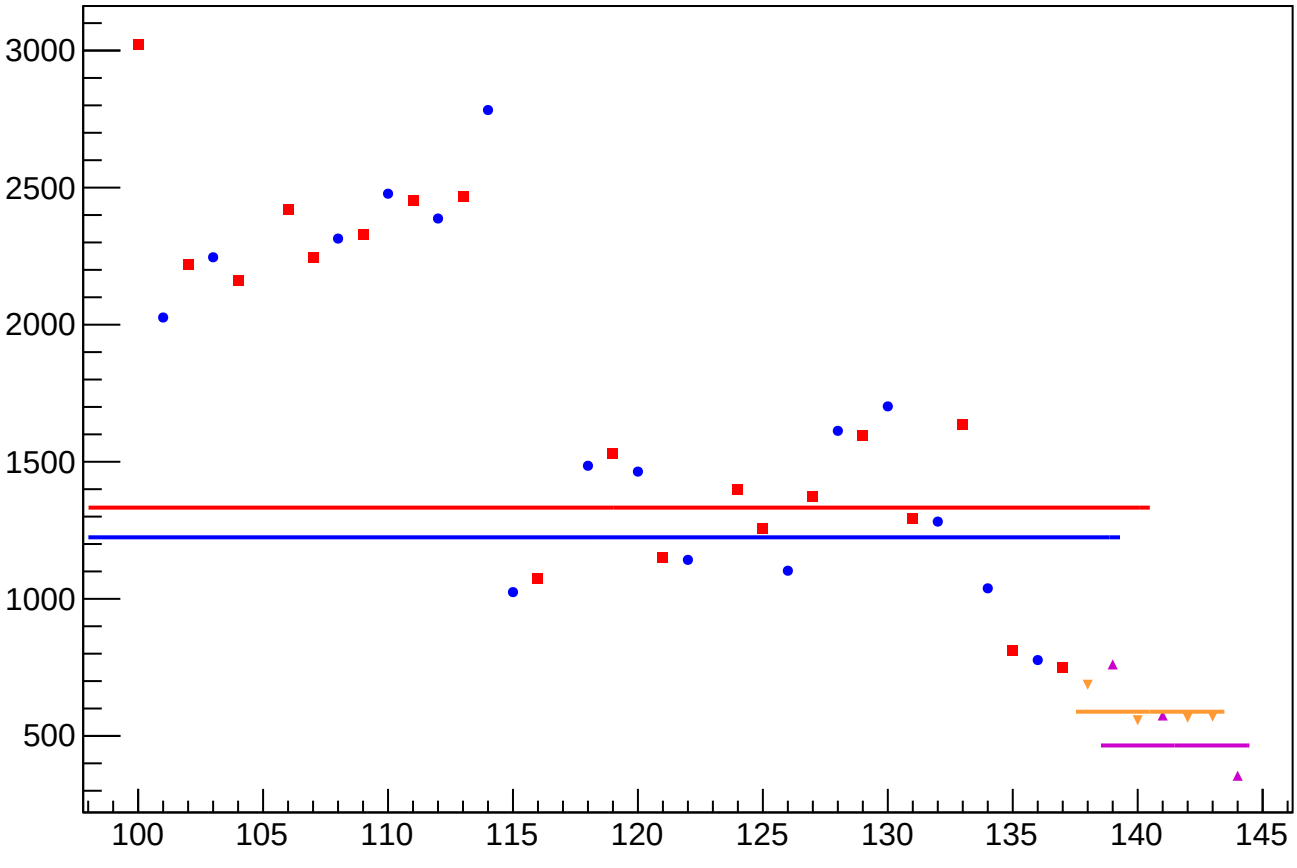
Left: -204.675+/-230.441 χ^2/NDF: 10.2/6

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -464.552+/-259.917 χ^2/NDF:21.5/18

Out: -33.461+/-290.929 χ^2/NDF:23.2/22

All: -273.200+/-193.829 χ^2/NDF: 45.9/41



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 588.338+/-0.247 χ^2/NDF:39405.5/3

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 465.218+/-0.217 χ^2/NDF:477983.3/2

Left: 518.637+/-0.163 χ^2/NDF: 657621.6/6

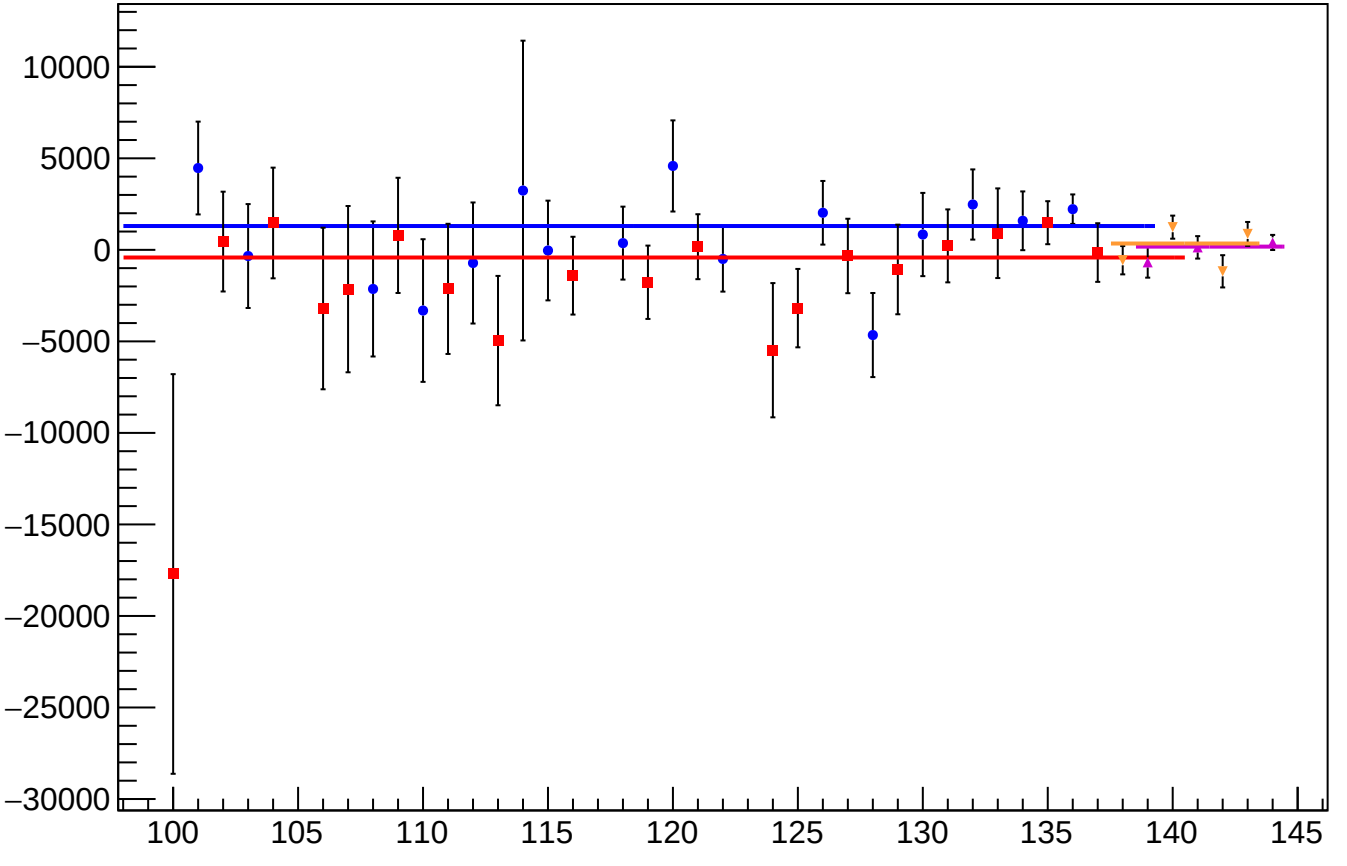
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 677.647+/-0.184 χ^2/NDF:5876238.9/18

Out: 817.965+/-0.206 χ^2/NDF:4827589.8/22

All: 739.931+/-0.137 χ^2/NDF: 10962559.8/41

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 345.698+/-357.496 χ^2/NDF:7.0/3

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 176.809+/-317.135 χ^2/NDF:1.4/2

Left: 251.186+/-237.240 χ^2/NDF: 8.5/6

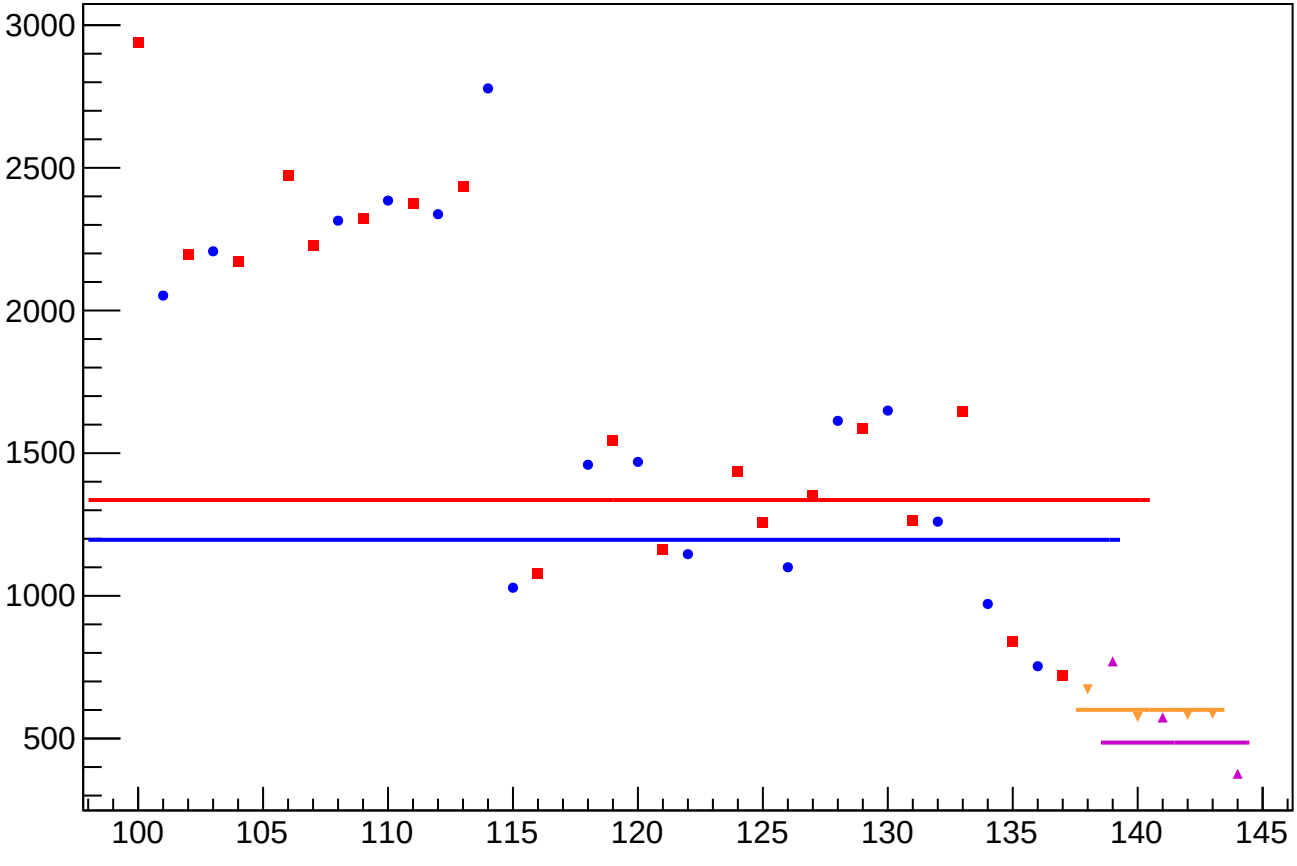
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 516.676+/-264.926 χ^2/NDF:21.6/18

Out: 103.369+/-295.406 χ^2/NDF:21.5/22

All: 332.439+/-197.229 χ^2/NDF: 44.2/41

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 600.505+/-0.253 χ^2/NDF:22355.8/3

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 485.695+/-0.224 χ^2/NDF:411529.9/2

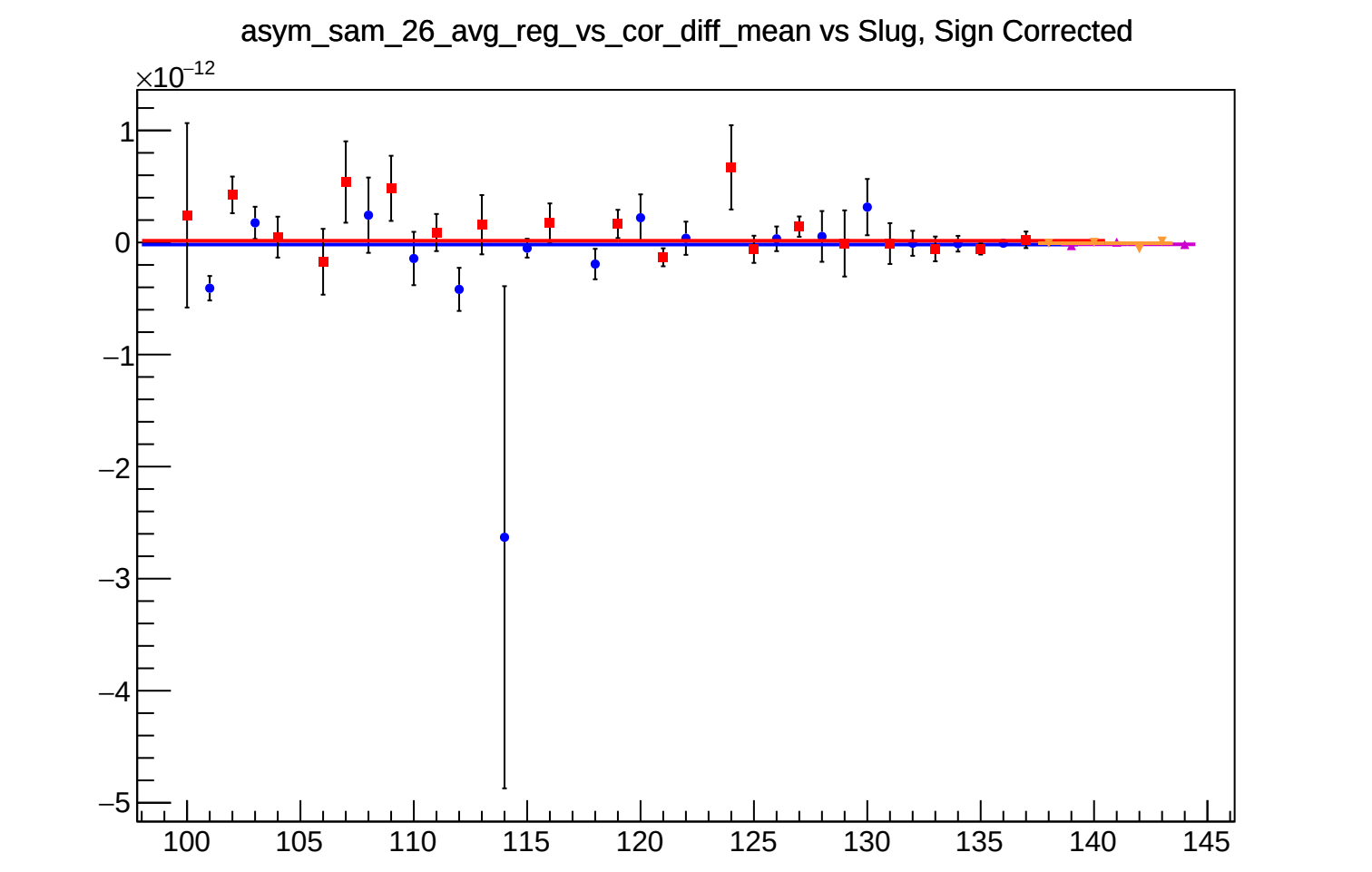
Left: 536.256+/-0.168 χ^2/NDF: 549320.1/6

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 700.423+/-0.187 χ^2/NDF:5477765.6/18

Out: 833.738+/-0.209 χ^2/NDF:4657598.9/22

All: 759.850+/-0.139 χ^2/NDF: 10361122.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/2

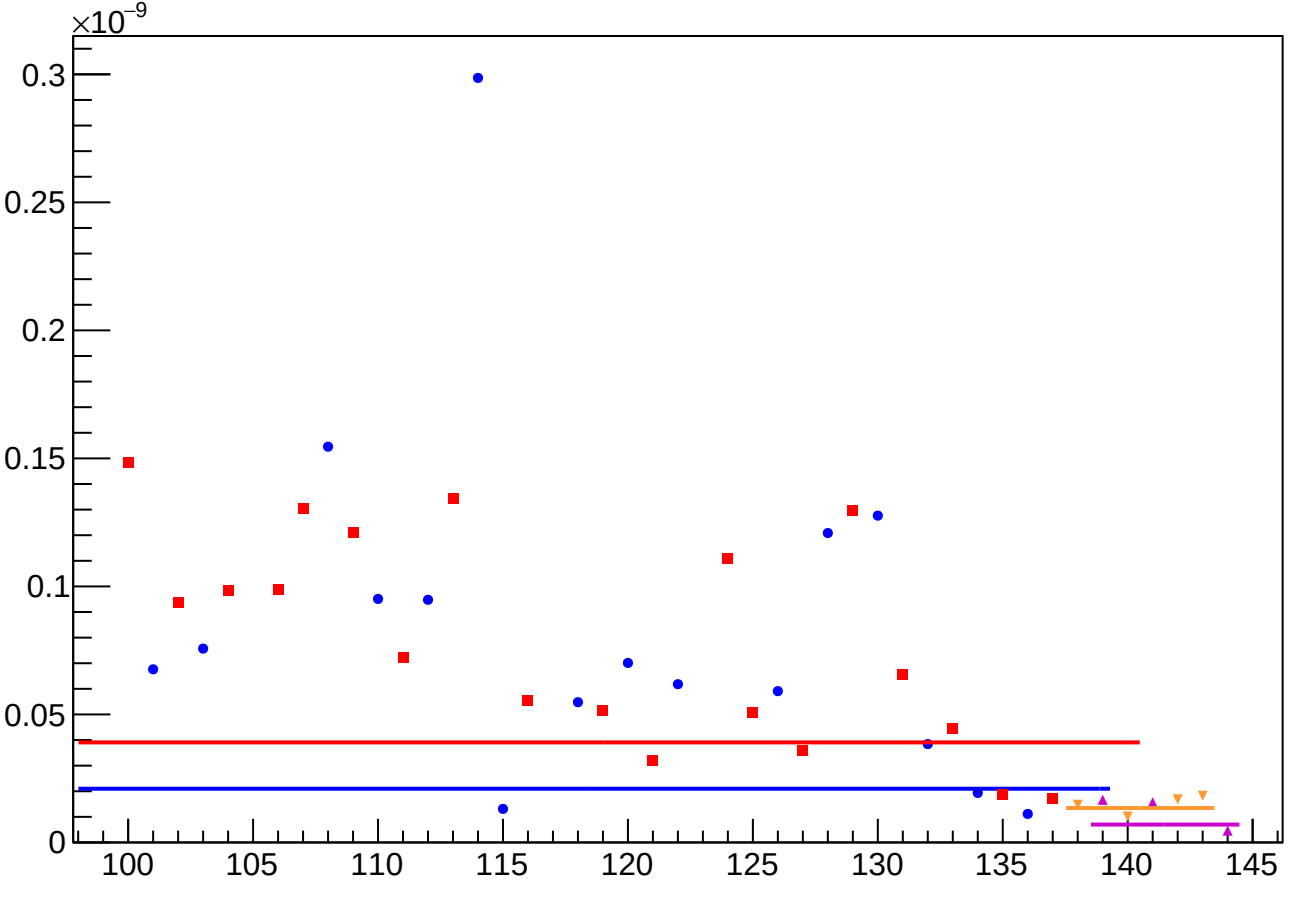
Left: -0.000+/-0.000 χ^2/NDF: 3.6/6

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/18

Out: -0.000+/-0.000 χ^2/NDF:28.6/22

All: -0.000+/-0.000 χ^2/NDF: 57.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:139374.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:605875.2/2

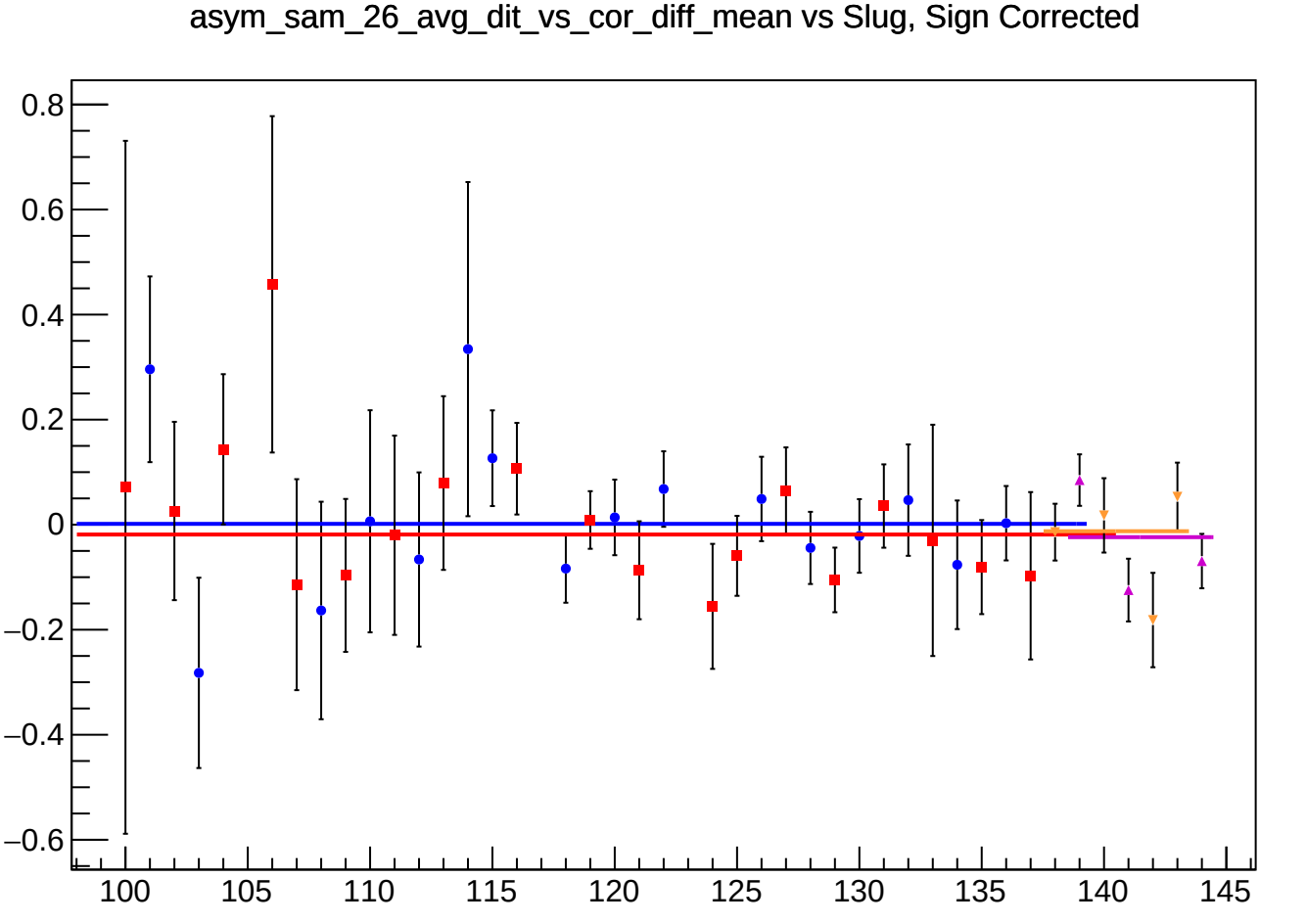
Left: 0.000+/-0.000 χ^2/NDF: 1111822.7/6

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:4992088.9/18

Out: 0.000+/-0.000 χ^2/NDF:3648288.2/22

All: 0.000+/-0.000 χ^2/NDF: 9354499.7/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.024+/-0.031 χ^2/NDF:8.5/2

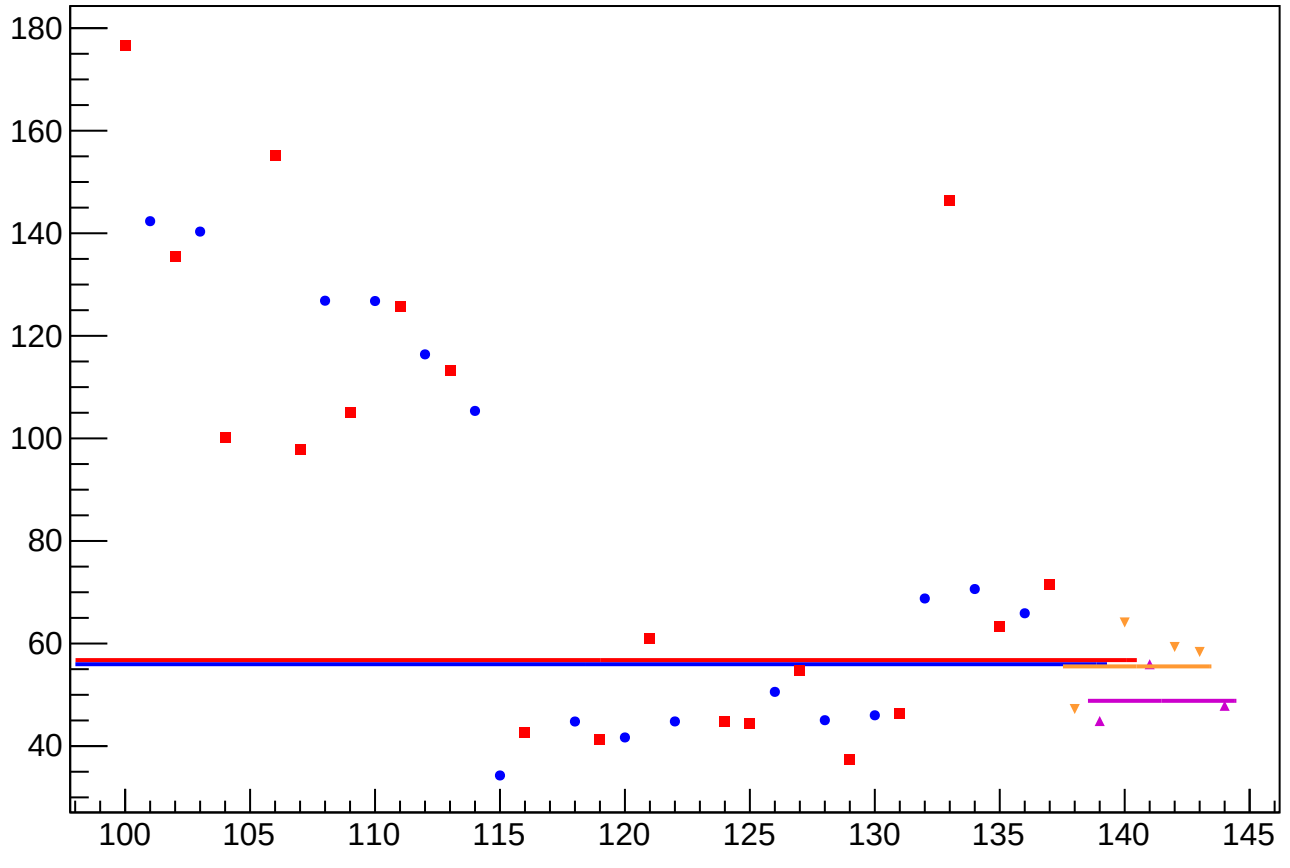
Left: -0.019+/-0.023 χ^2/NDF: 13.3/6

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.008+/-0.019 χ^2/NDF:22.0/18

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.012+/-0.013 χ^2/NDF: 40.0/41



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.540+/-0.024 χ^2/NDF:83845.0/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 48.830+/-0.022 χ^2/NDF:42122.1/2

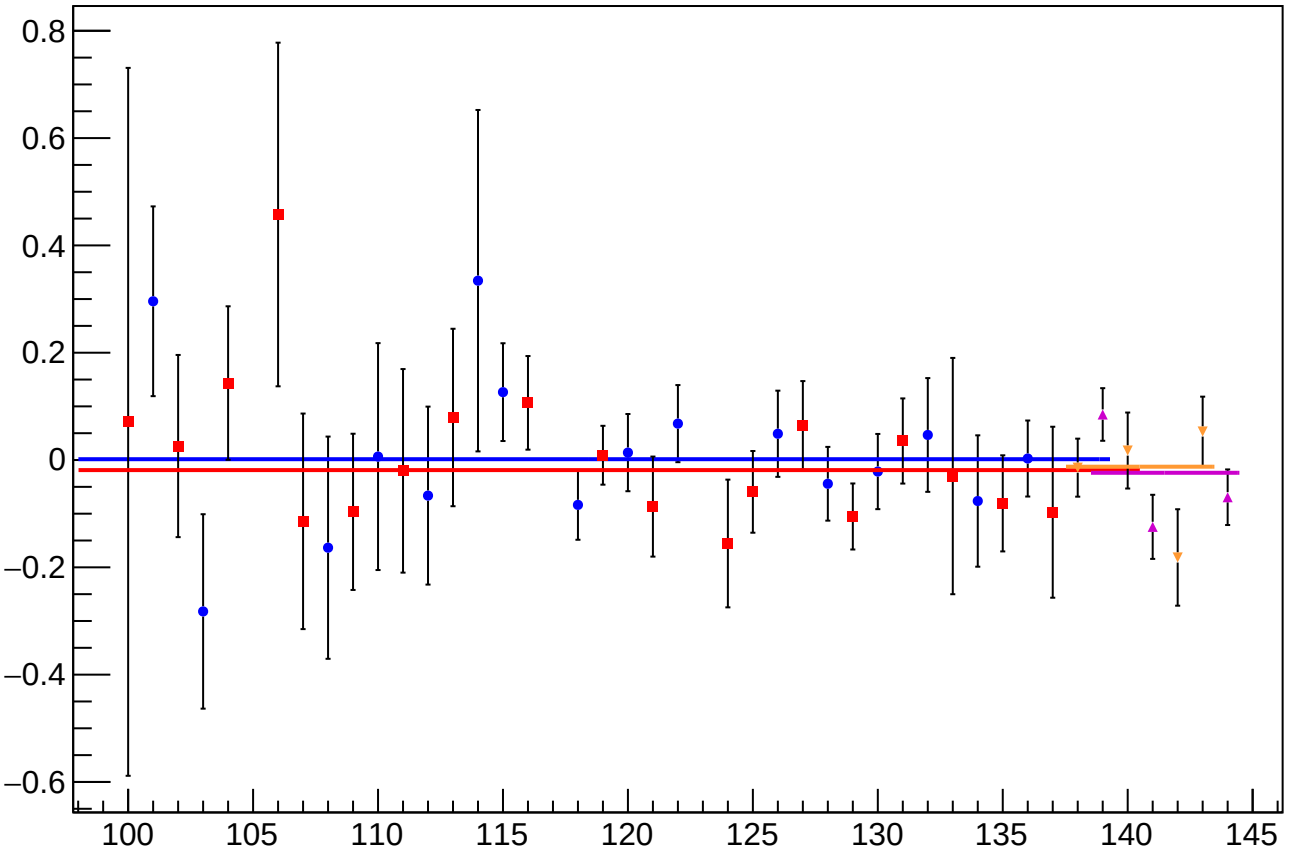
Left: 51.901+/-0.016 χ^2/NDF: 170021.8/6

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 53.330+/-0.013 χ^2/NDF:2290624.6/18

Out: 56.361+/-0.014 χ^2/NDF:2638889.8/22

All: 54.796+/-0.009 χ^2/NDF: 4955216.1/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.024+/-0.031 χ^2/NDF:8.5/2

Left: -0.019+/-0.023 χ^2/NDF: 13.3/6

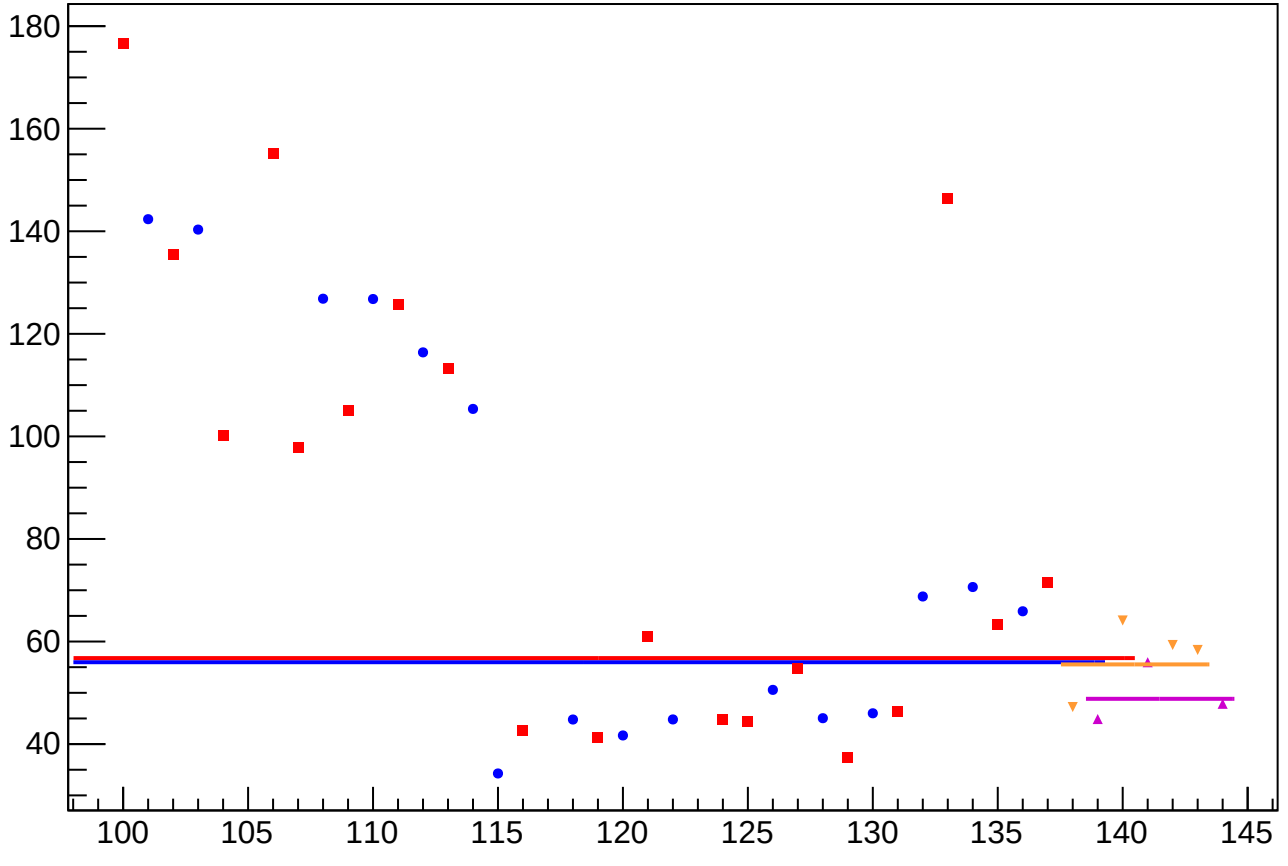
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.008+/-0.019 χ^2/NDF:22.0/18

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.012+/-0.013 χ^2/NDF: 40.0/41

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.540+/-0.024 χ^2/NDF:83845.0/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 48.830+/-0.022 χ^2/NDF:42122.1/2

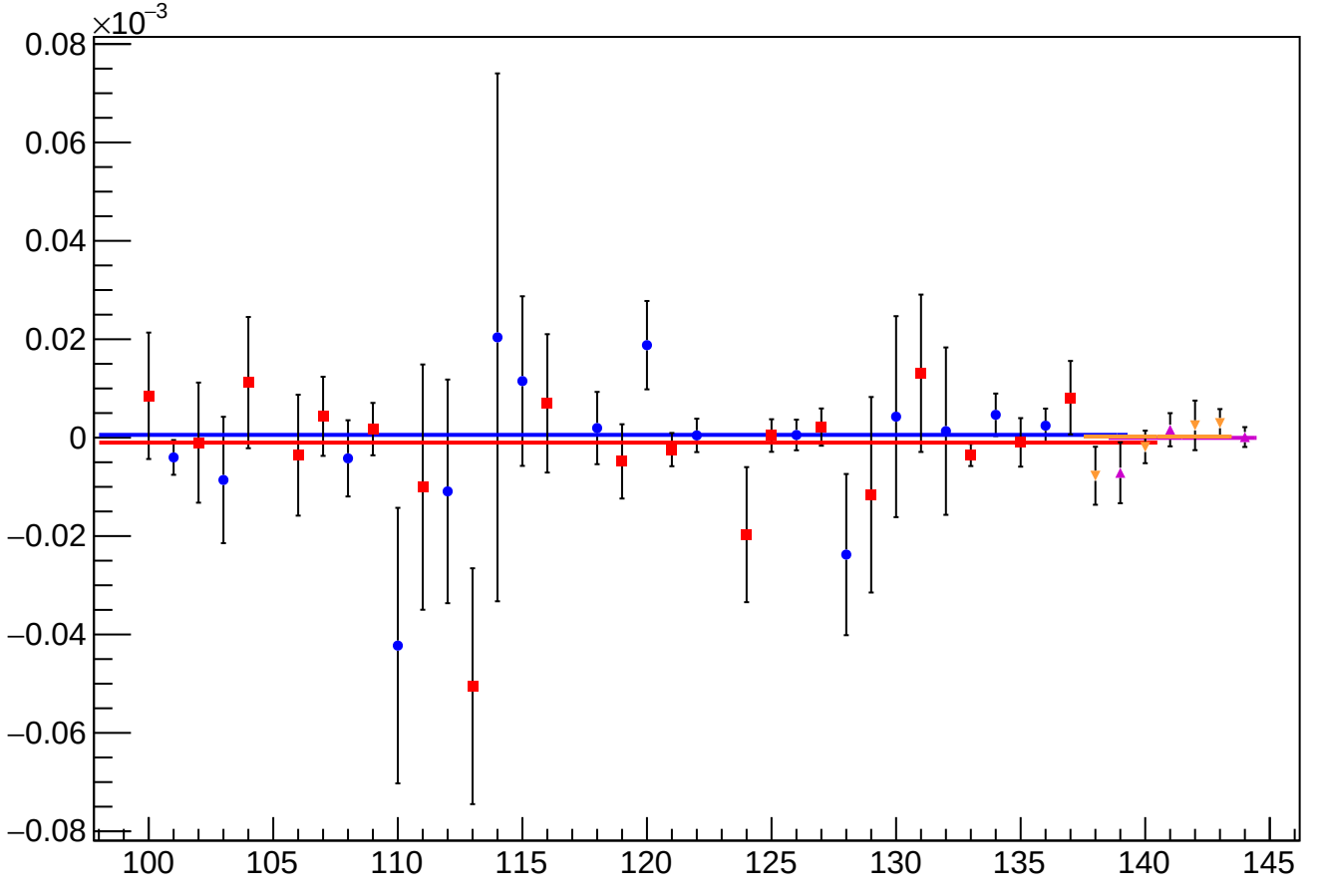
Left: 51.901+/-0.016 χ^2/NDF: 170021.8/6

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 53.330+/-0.013 χ^2/NDF:2290624.6/18

Out: 56.361+/-0.014 χ^2/NDF:2638889.8/22

All: 54.796+/-0.009 χ^2/NDF: 4955216.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/2

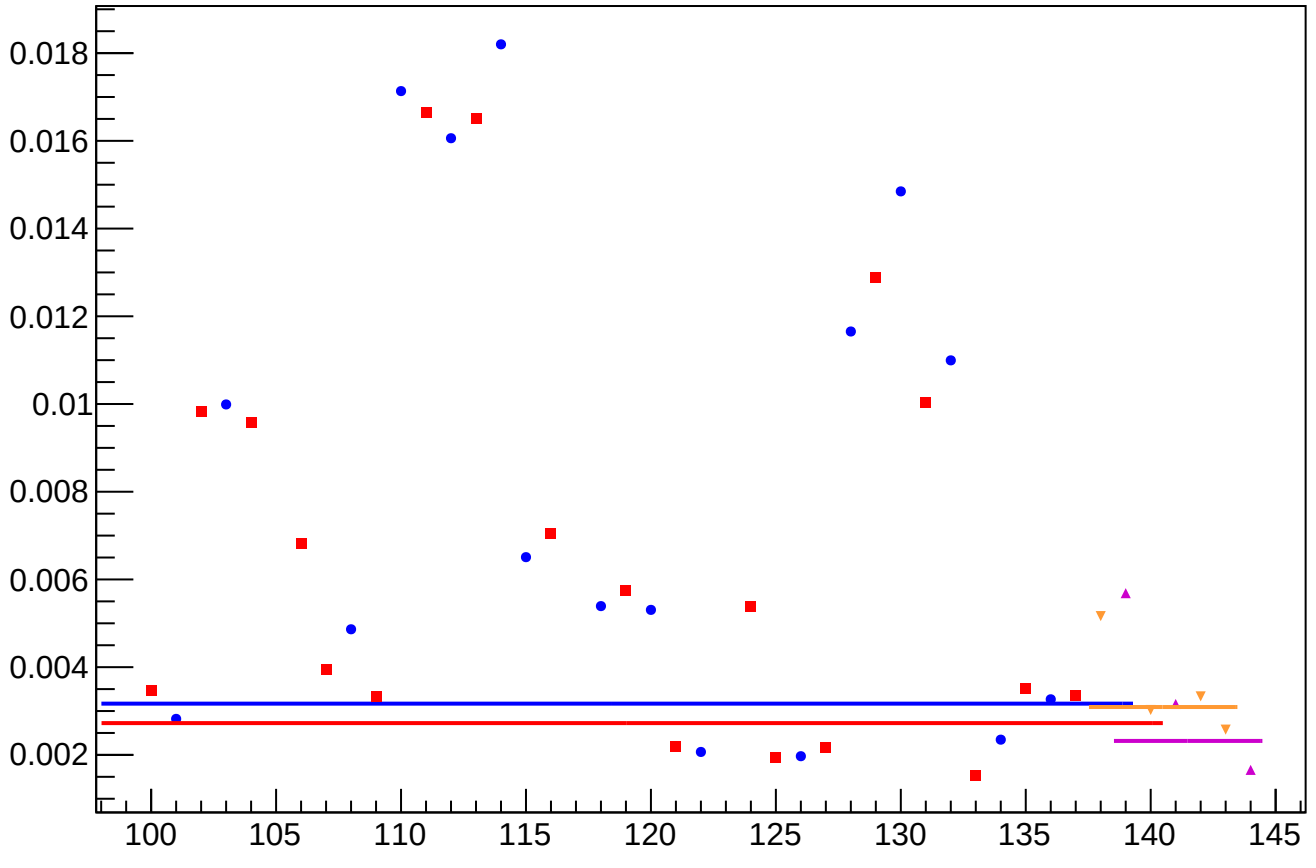
Left: 0.000+/-0.000 χ^2/NDF: 4.9/6

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.9/18

Out: -0.000+/-0.000 χ^2/NDF:17.4/22

All: -0.000+/-0.000 χ^2/NDF: 32.8/41



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:317937.9/3

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:932423.1/2

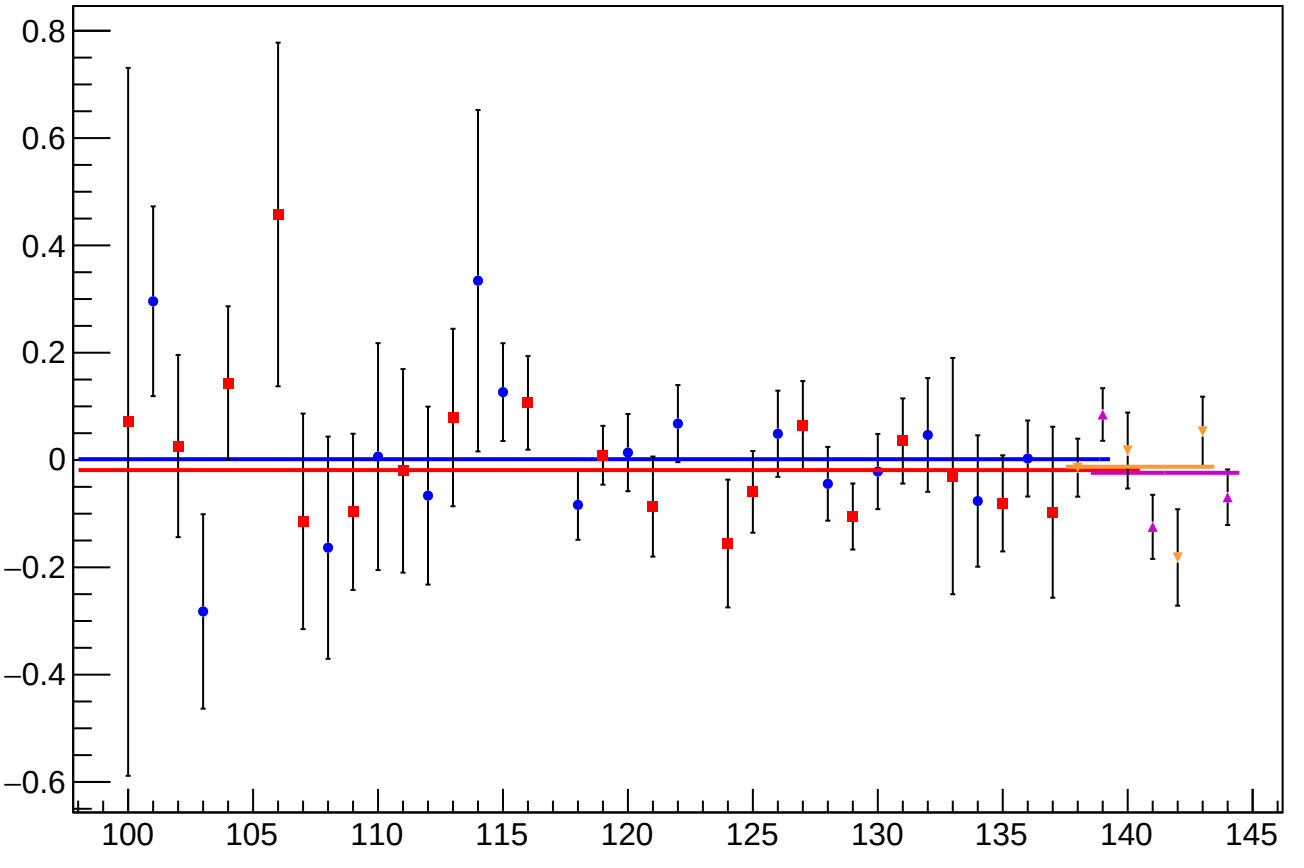
Left: 0.003+/-0.000 χ^2/NDF: 1439292.0/6

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:5774606.4/18

Out: 0.003+/-0.000 χ^2/NDF:5523160.1/22

All: 0.003+/-0.000 χ^2/NDF: 11298934.2/41



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.024+/-0.031 χ^2/NDF:8.5/2

Left: -0.019+/-0.023 χ^2/NDF: 13.3/6

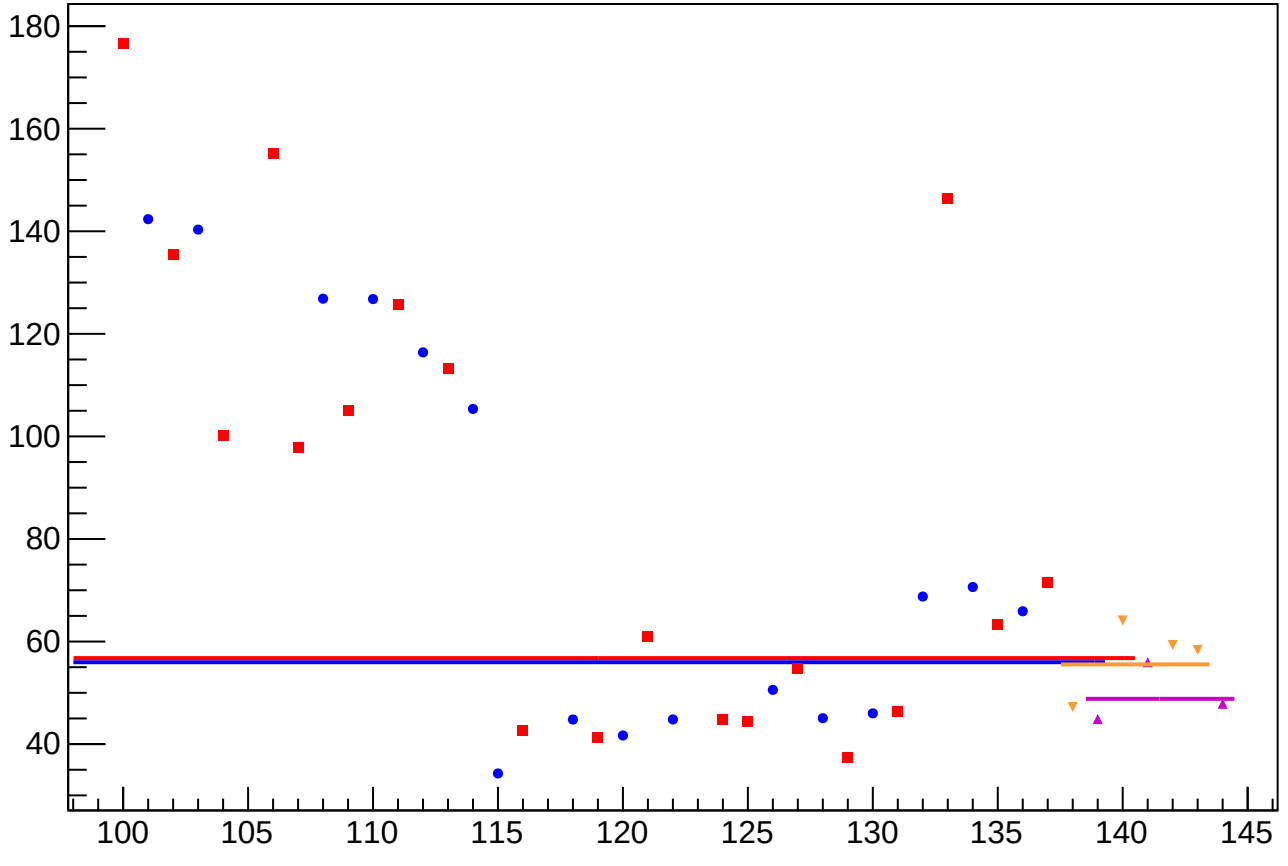
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.008+/-0.019 χ^2/NDF:22.0/18

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.012+/-0.013 χ^2/NDF: 40.0/41

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: 55.540+/-0.024 χ^2/NDF:83855.8/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 48.831+/-0.022 χ^2/NDF:42126.7/2

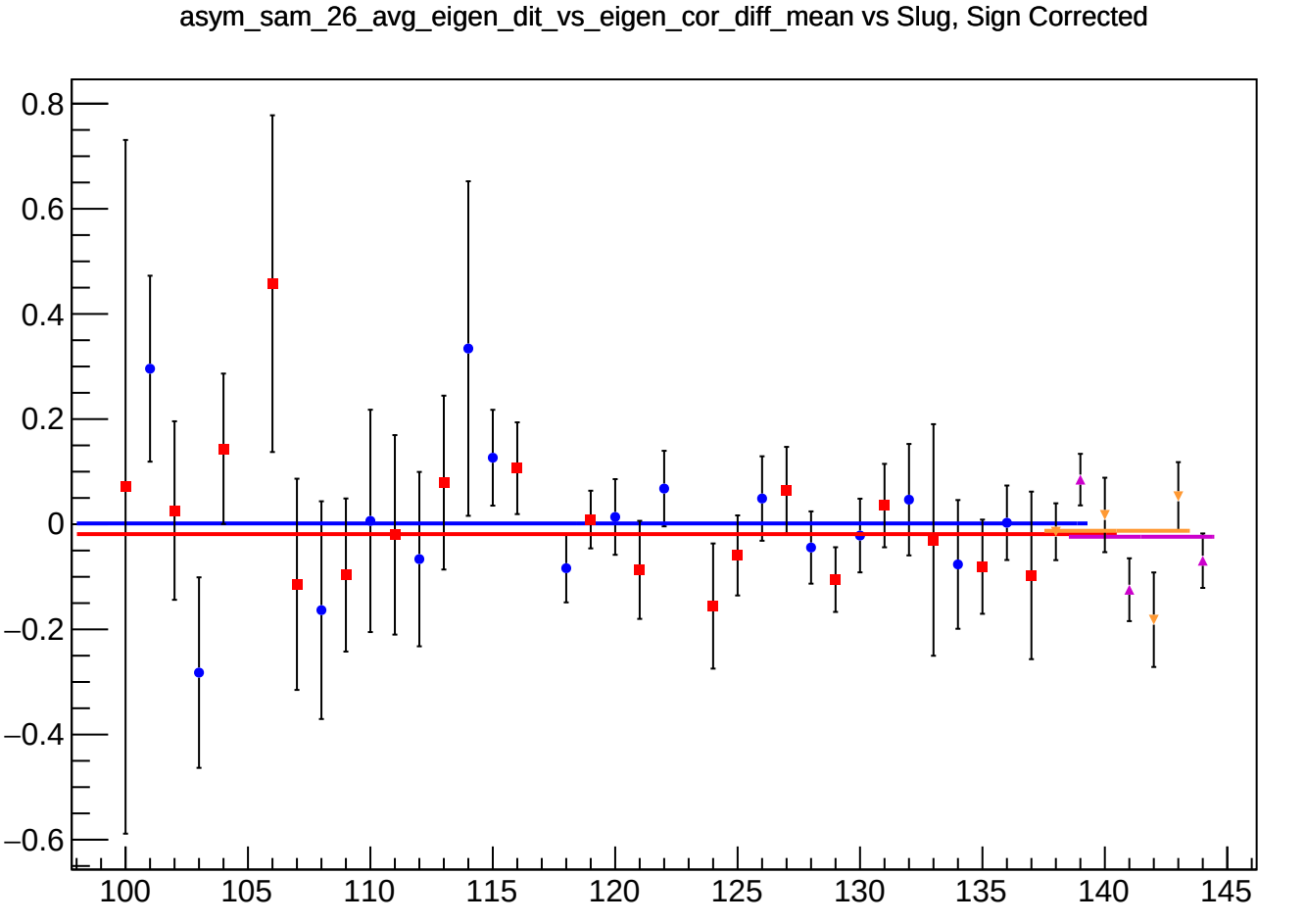
Left: 51.902+/-0.016 χ^2/NDF: 170028.8/6

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

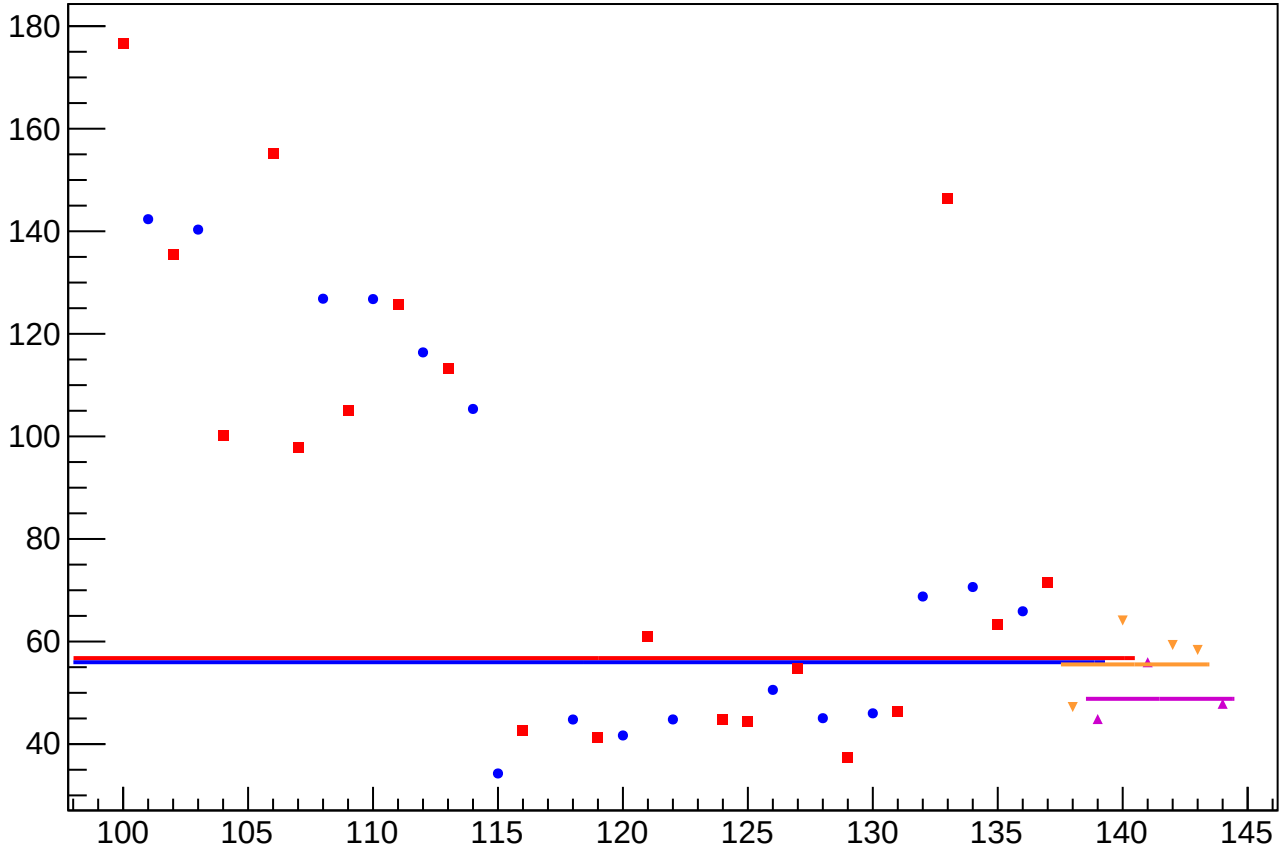
In: 53.331+/-0.013 χ^2/NDF:2290536.9/18

Out: 56.361+/-0.014 χ^2/NDF:2638843.6/22

All: 54.796+/-0.009 χ^2/NDF: 4955074.4/41


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: -0.012+/-0.033 χ²/NDF:4.7/3
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.024+/-0.031 χ²/NDF:8.5/2
Left: -0.019+/-0.023 χ²/NDF: 13.3/6
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.008+/-0.019 χ²/NDF:22.0/18
Out: -0.017+/-0.019 χ²/NDF:17.9/22
All: -0.012+/-0.013 χ²/NDF: 40.0/41

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: 55.540+/-0.024 χ^2/NDF:83855.8/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 48.831+/-0.022 χ^2/NDF:42126.7/2

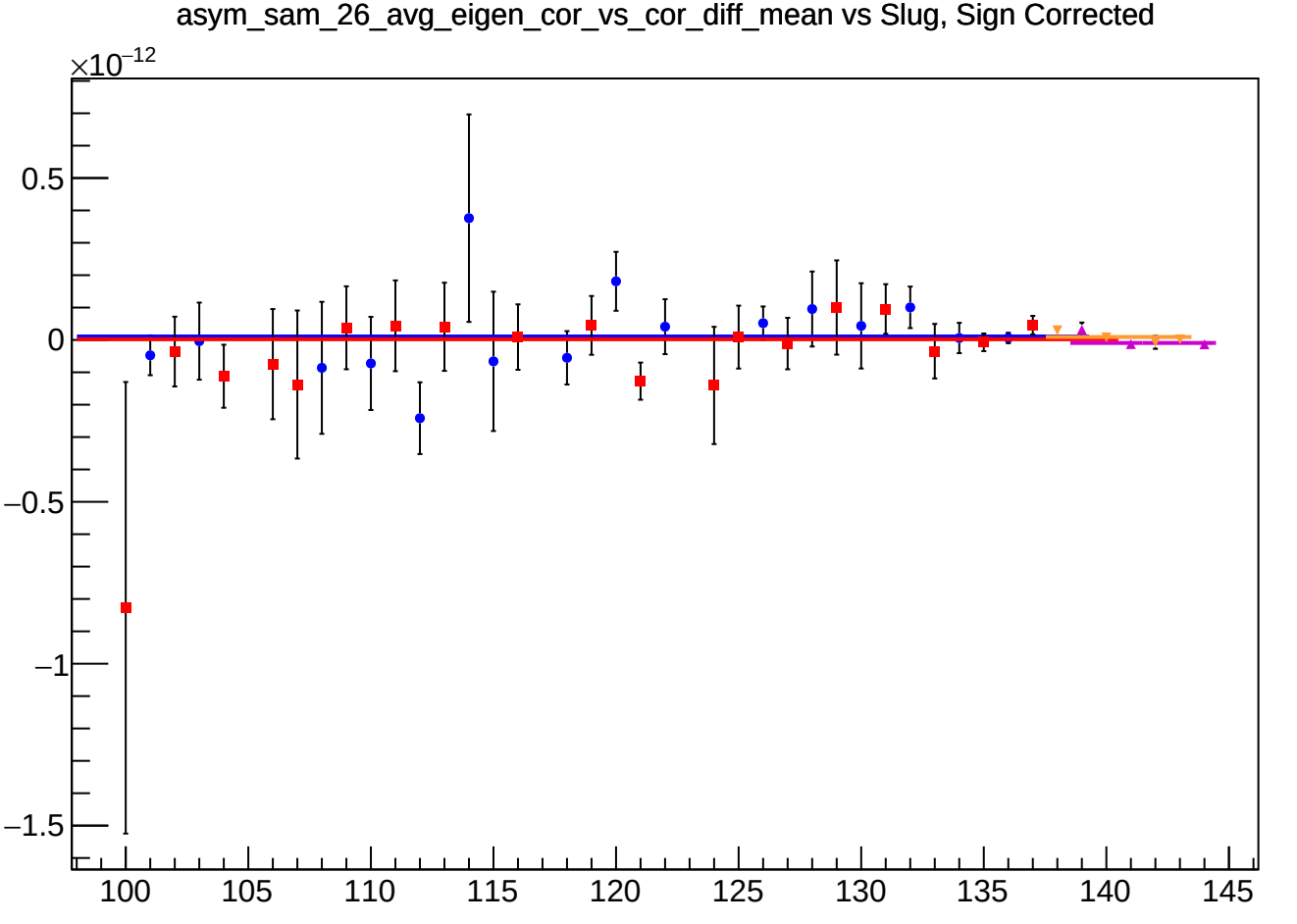
Left: 51.902+/-0.016 χ^2/NDF: 170028.8/6

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 53.331+/-0.013 χ^2/NDF:2290536.9/18

Out: 56.361+/-0.014 χ^2/NDF:2638843.6/22

All: 54.796+/-0.009 χ^2/NDF: 4955074.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/2

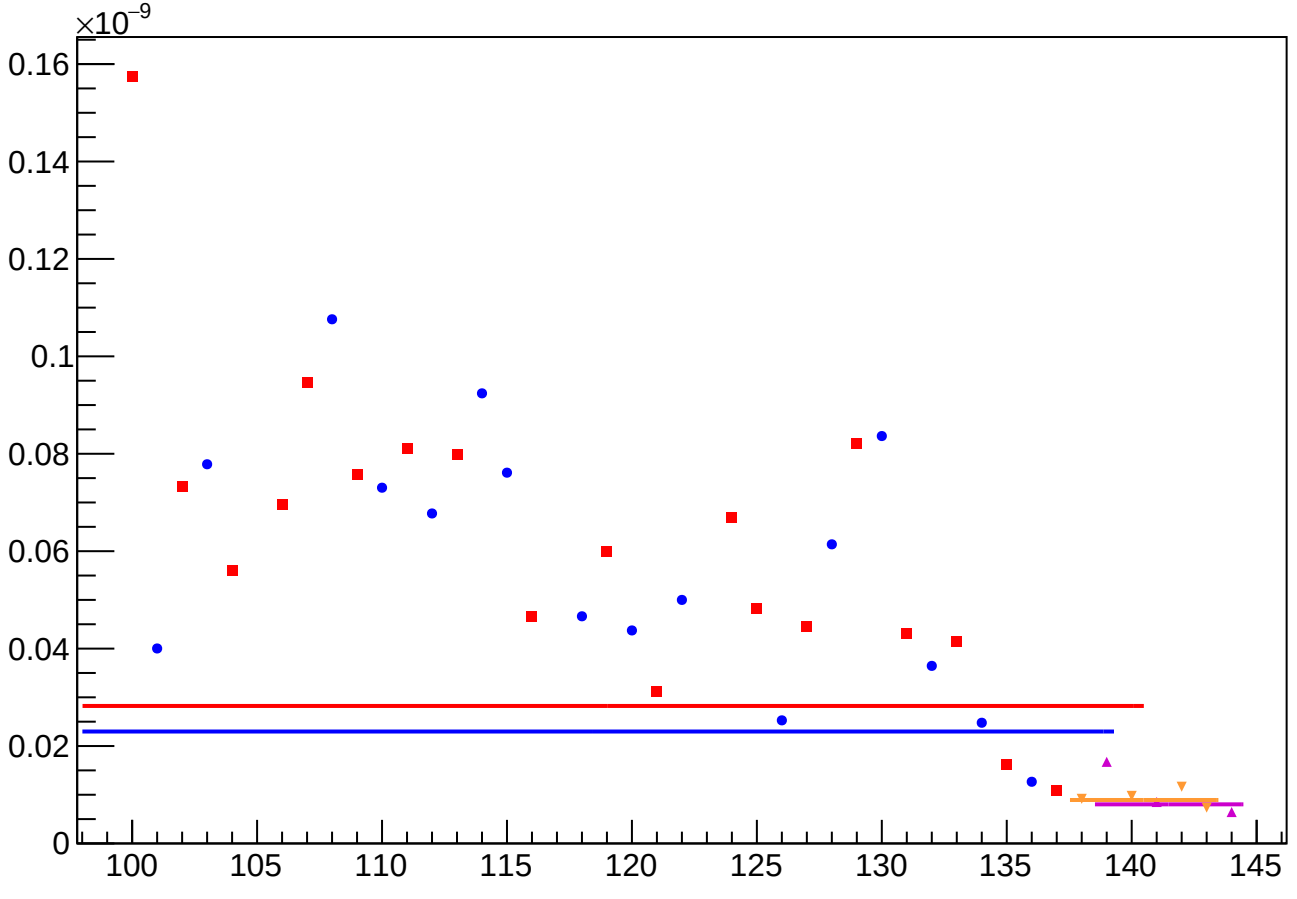
Left: -0.000+/-0.000 χ^2/NDF: 11.5/6

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:21.4/18

Out: 0.000+/-0.000 χ^2/NDF:18.0/22

All: 0.000+/-0.000 χ^2/NDF: 42.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:91654.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:390821.3/2

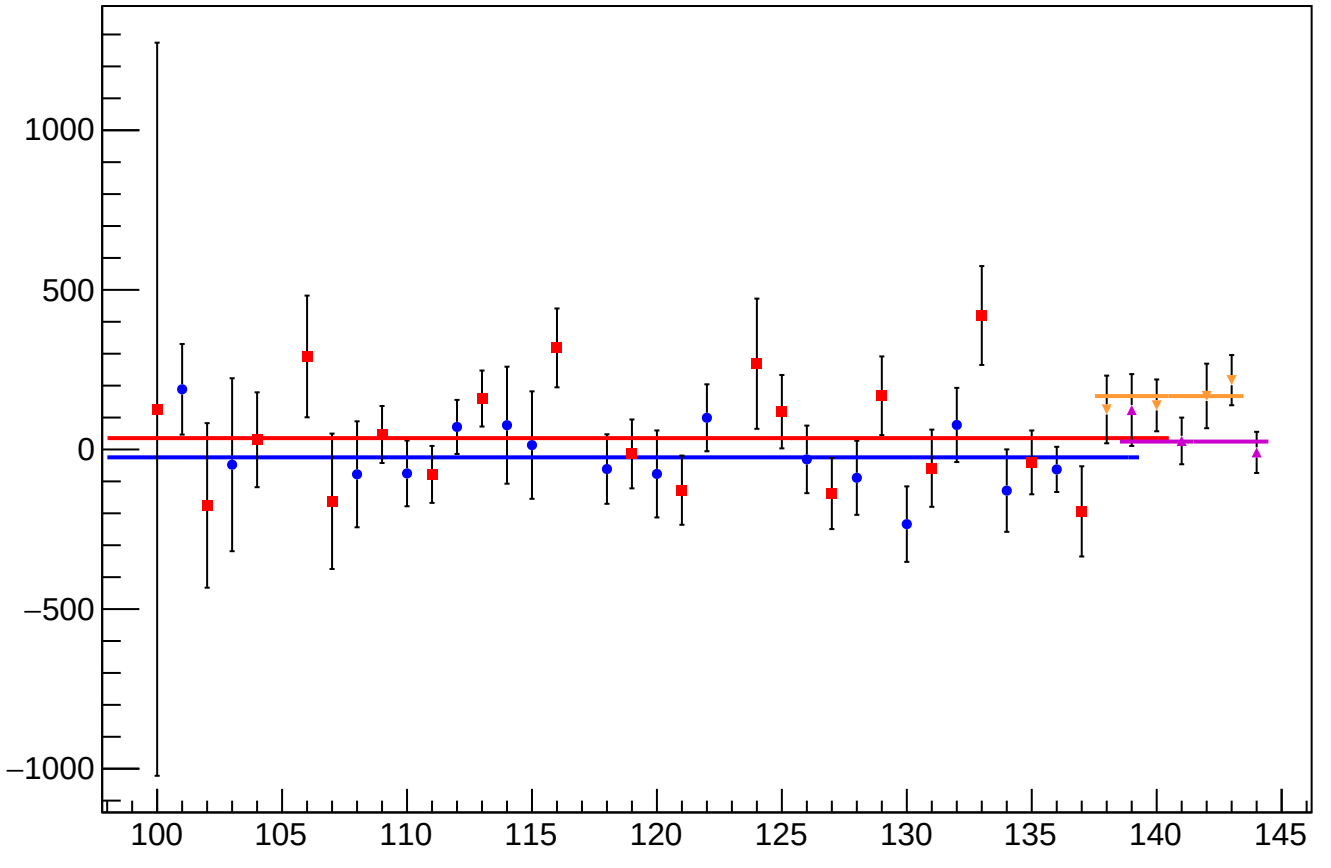
Left: 0.000+/-0.000 χ^2/NDF: 501770.4/6

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6256749.1/18

Out: 0.000+/-0.000 χ^2/NDF:6560435.9/22

All: 0.000+/-0.000 χ^2/NDF: 12833841.4/41



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.178+/-44.700 χ^2/NDF:0.7/3

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 24.768+/-44.424 χ^2/NDF:1.0/2

Left: 95.532+/-31.510 χ^2/NDF: 6.8/6

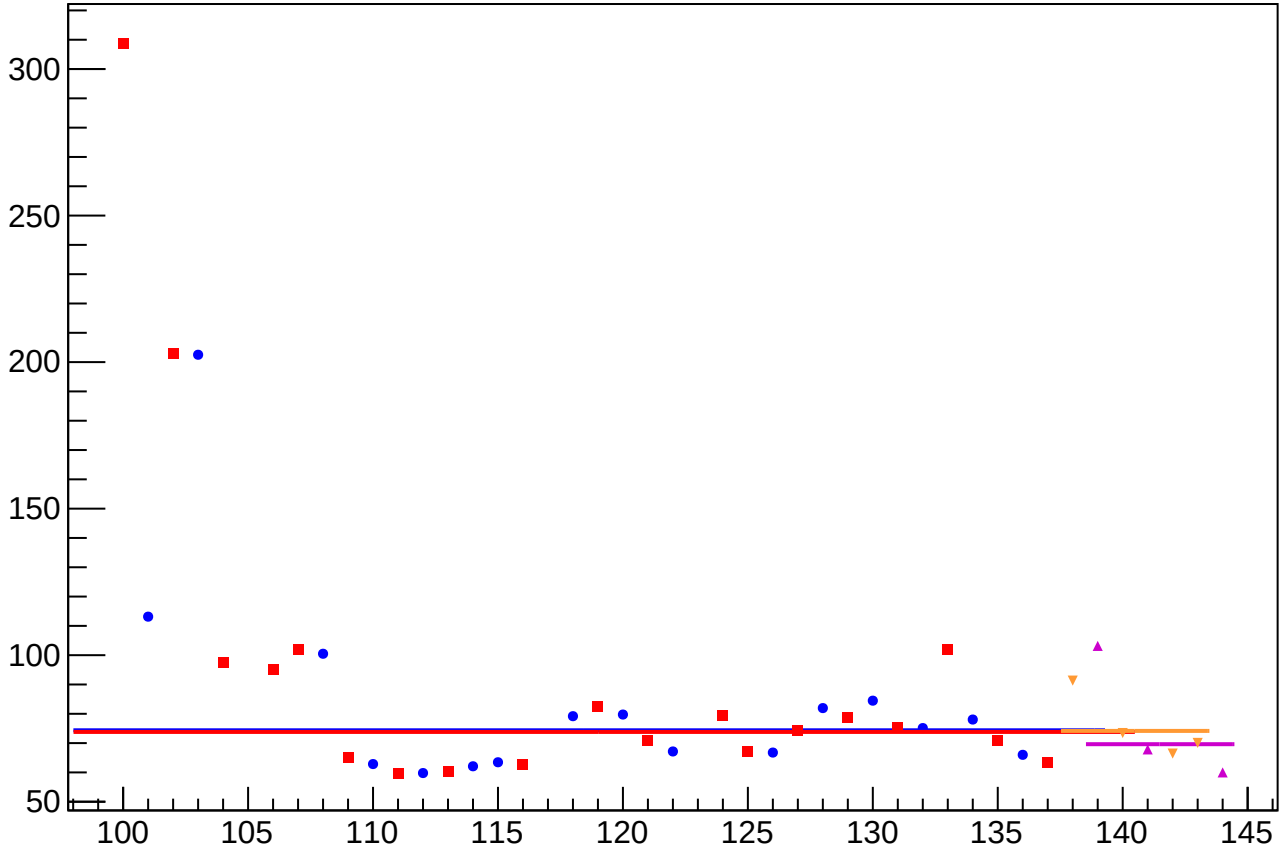
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: -9.933+/-24.232 χ^2/NDF:12.9/18

Out: 73.529+/-24.004 χ^2/NDF:36.9/22

All: 32.194+/-17.053 χ^2/NDF: 55.9/41

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

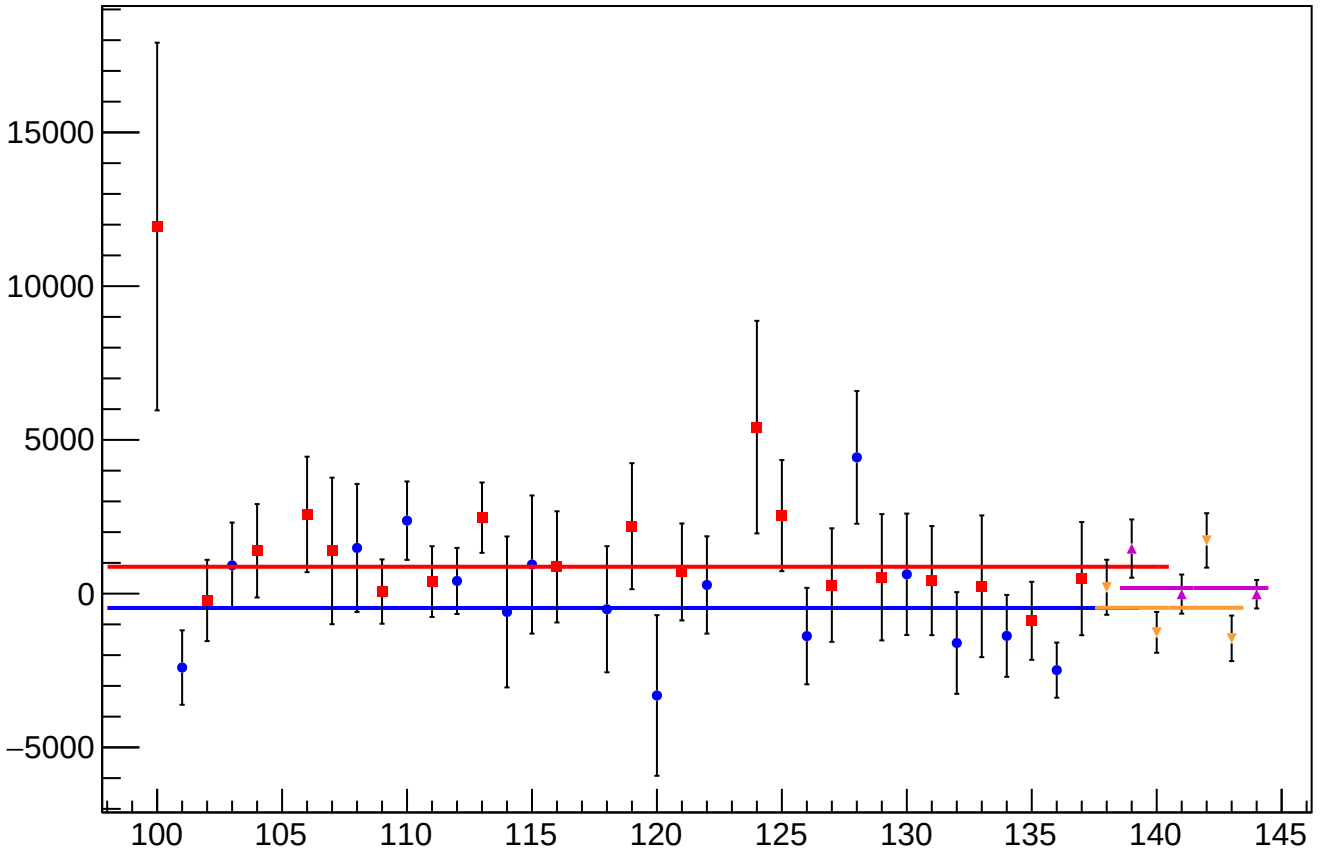
Left: 71.881+/-0.022 χ^2/NDF: 303578.2/6

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 72.958+/-0.017 χ^2/NDF:1067076.8/18

Out: 73.915+/-0.017 χ^2/NDF:1001771.3/22

All: 73.441+/-0.012 χ^2/NDF: 2070420.4/41



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -460.227+/-388.596 χ^2/NDF:9.9/3

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 182.503+/-348.057 χ^2/NDF:2.1/2

Left: -103.598+/-259.265 χ^2/NDF: 13.6/6

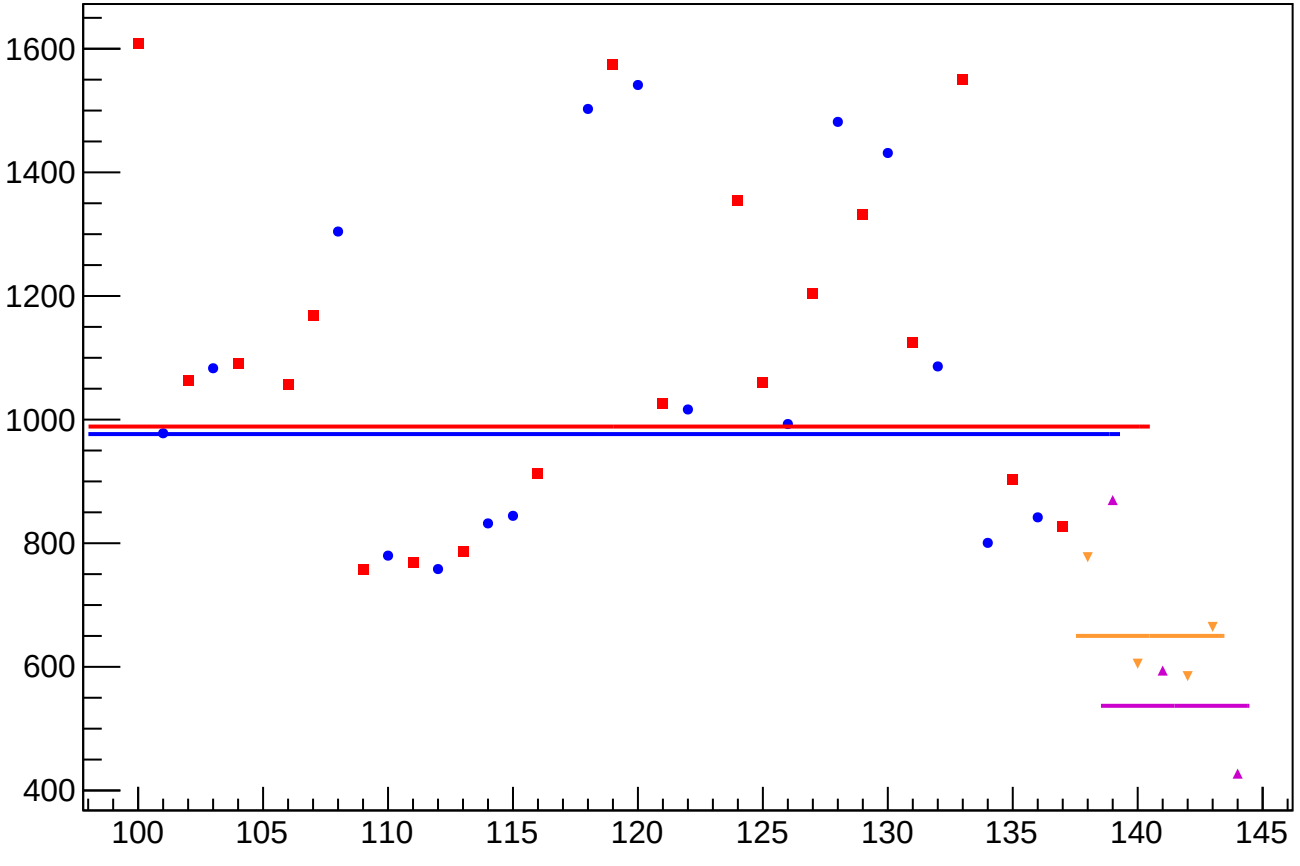
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -117.833+/-255.117 χ^2/NDF:27.4/18

Out: 236.262+/-268.809 χ^2/NDF:29.2/22

All: 49.967+/-185.046 χ^2/NDF: 57.5/41

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 650.089+/-0.275 χ^2/NDF:61265.8/3

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 536.983+/-0.246 χ^2/NDF:375018.4/2

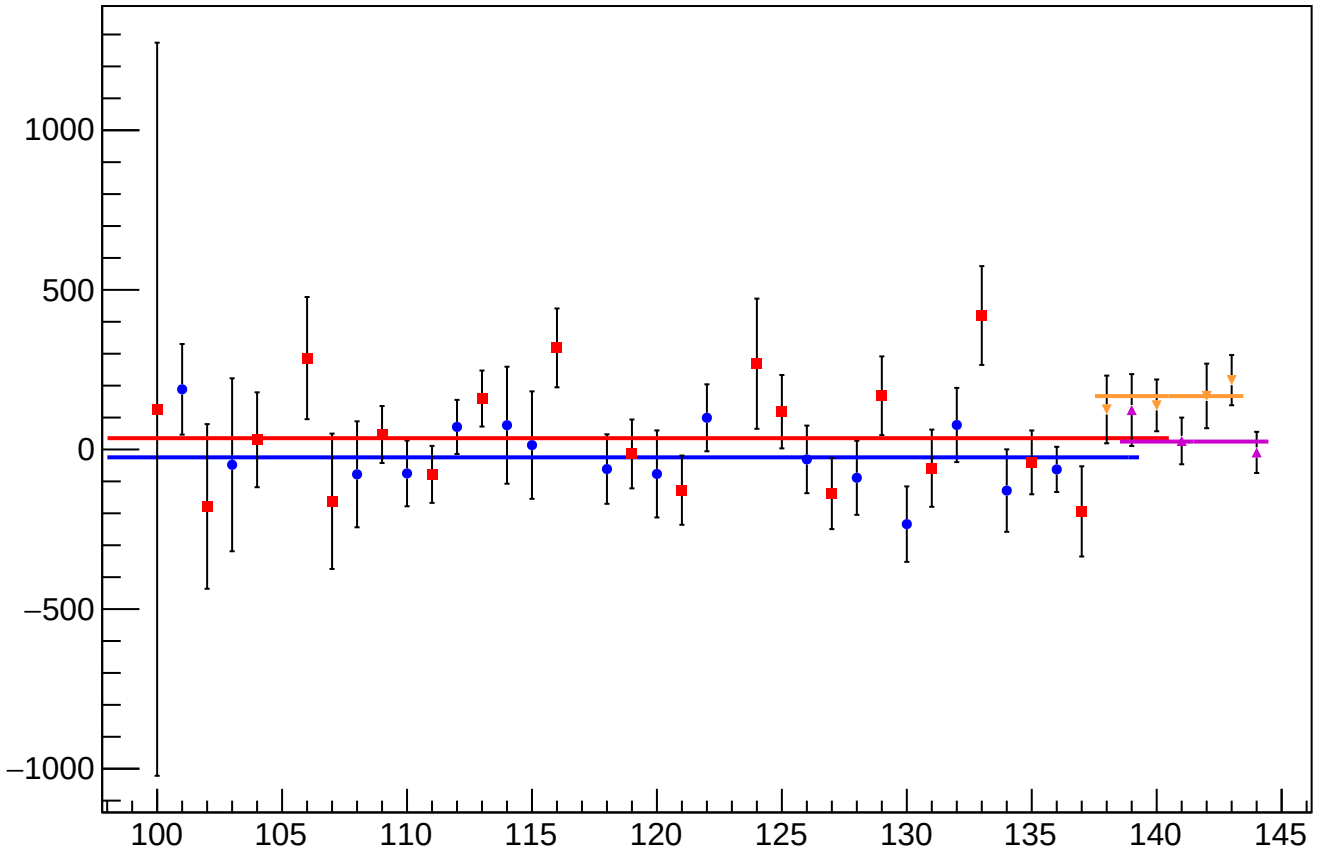
Left: 587.331+/-0.183 χ^2/NDF: 530297.7/6

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 740.407+/-0.180 χ^2/NDF:2587973.5/18

Out: 826.704+/-0.190 χ^2/NDF:1569184.6/22

All: 781.302+/-0.131 χ^2/NDF: 4265603.2/41



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 24.765+/-44.424 χ^2/NDF:1.0/2

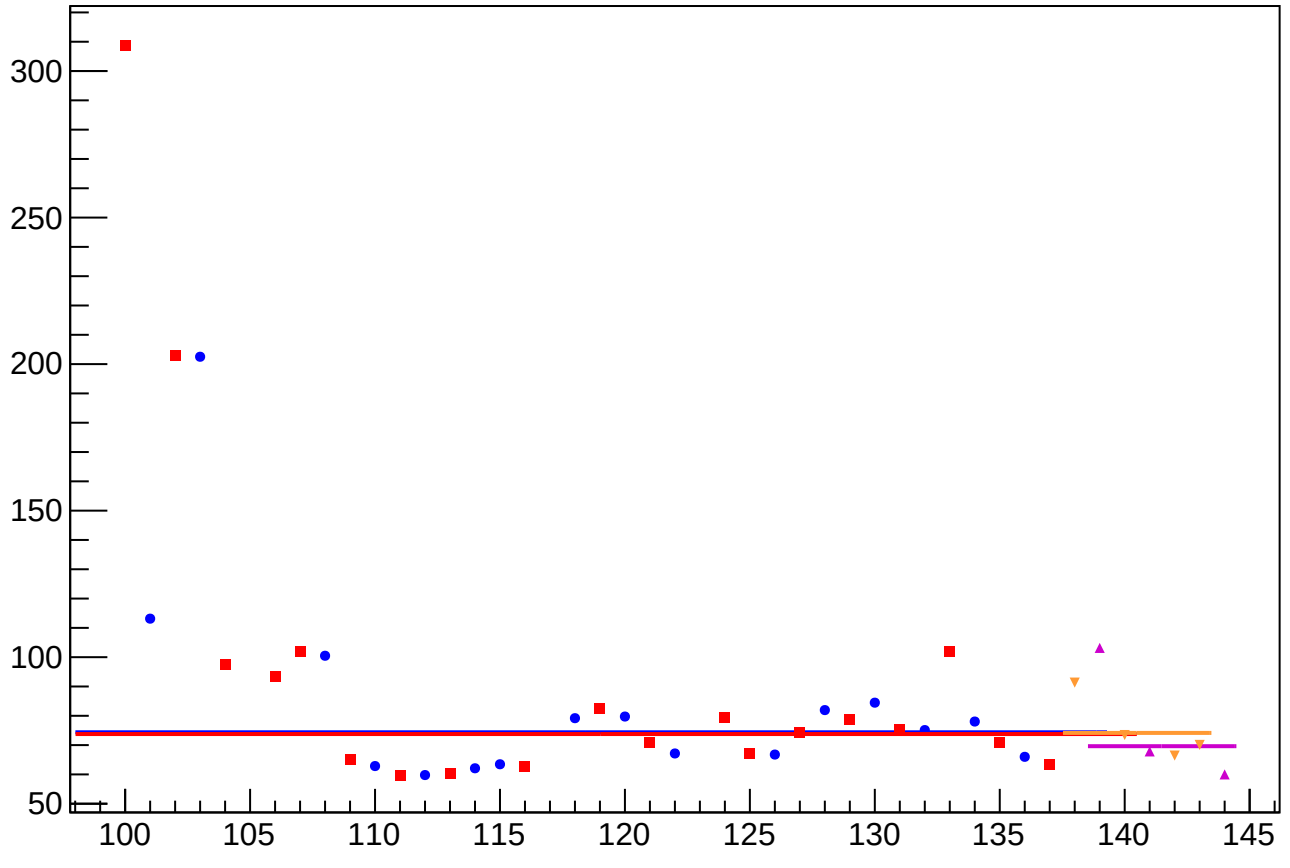
Left: 95.532+/-31.510 χ^2/NDF: 6.8/6

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -9.940+/-24.232 χ^2/NDF:12.9/18

Out: 73.394+/-24.005 χ^2/NDF:36.9/22

All: 32.119+/-17.054 χ^2/NDF: 55.8/41



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

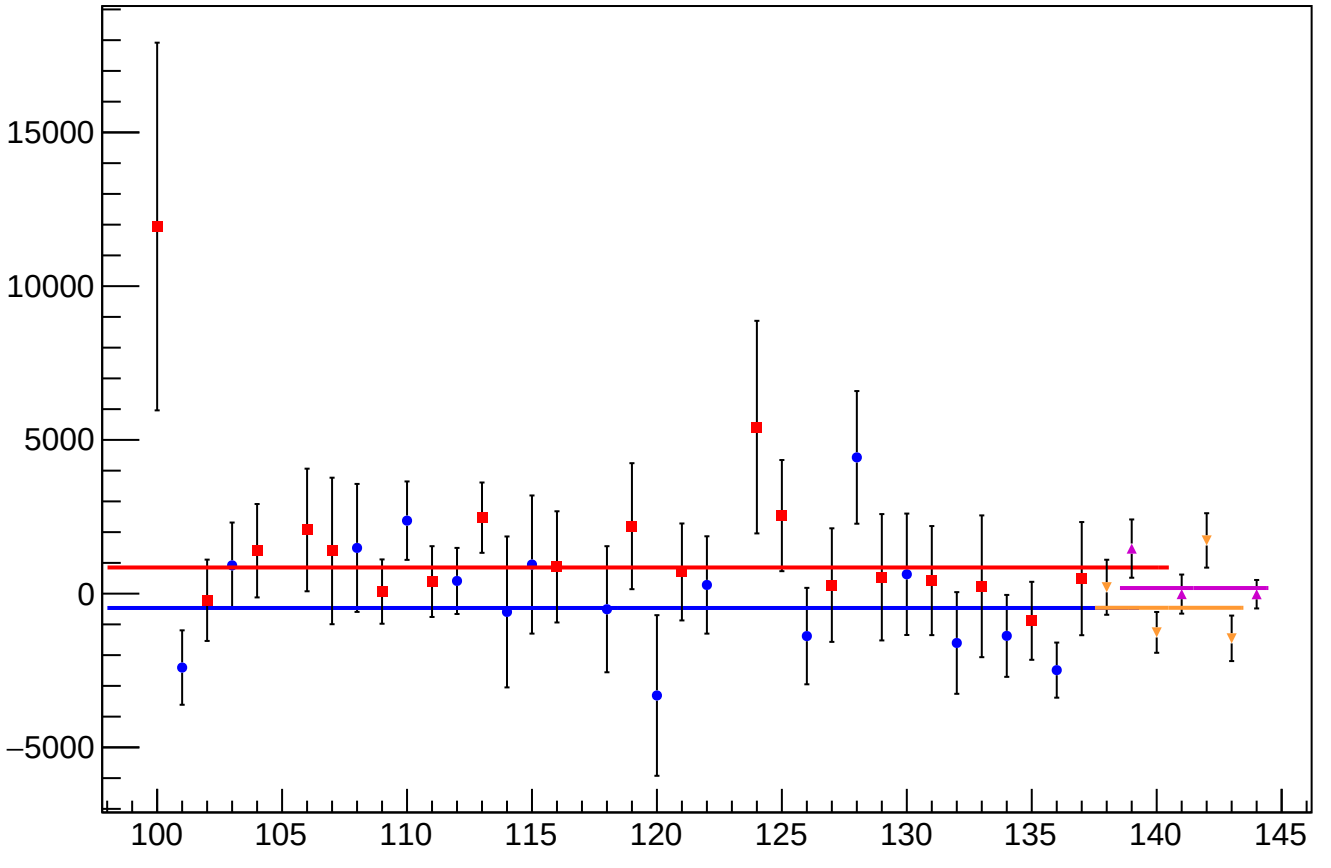
Left: 71.881+/-0.022 χ^2/NDF: 303578.2/6

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 72.958+/-0.017 χ^2/NDF:1067078.8/18

Out: 73.885+/-0.017 χ^2/NDF:998008.0/22

All: 73.426+/-0.012 χ^2/NDF: 2066562.7/41



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -460.216+/-388.595 χ^2/NDF:9.9/3

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 182.500+/-348.057 χ^2/NDF:2.1/2

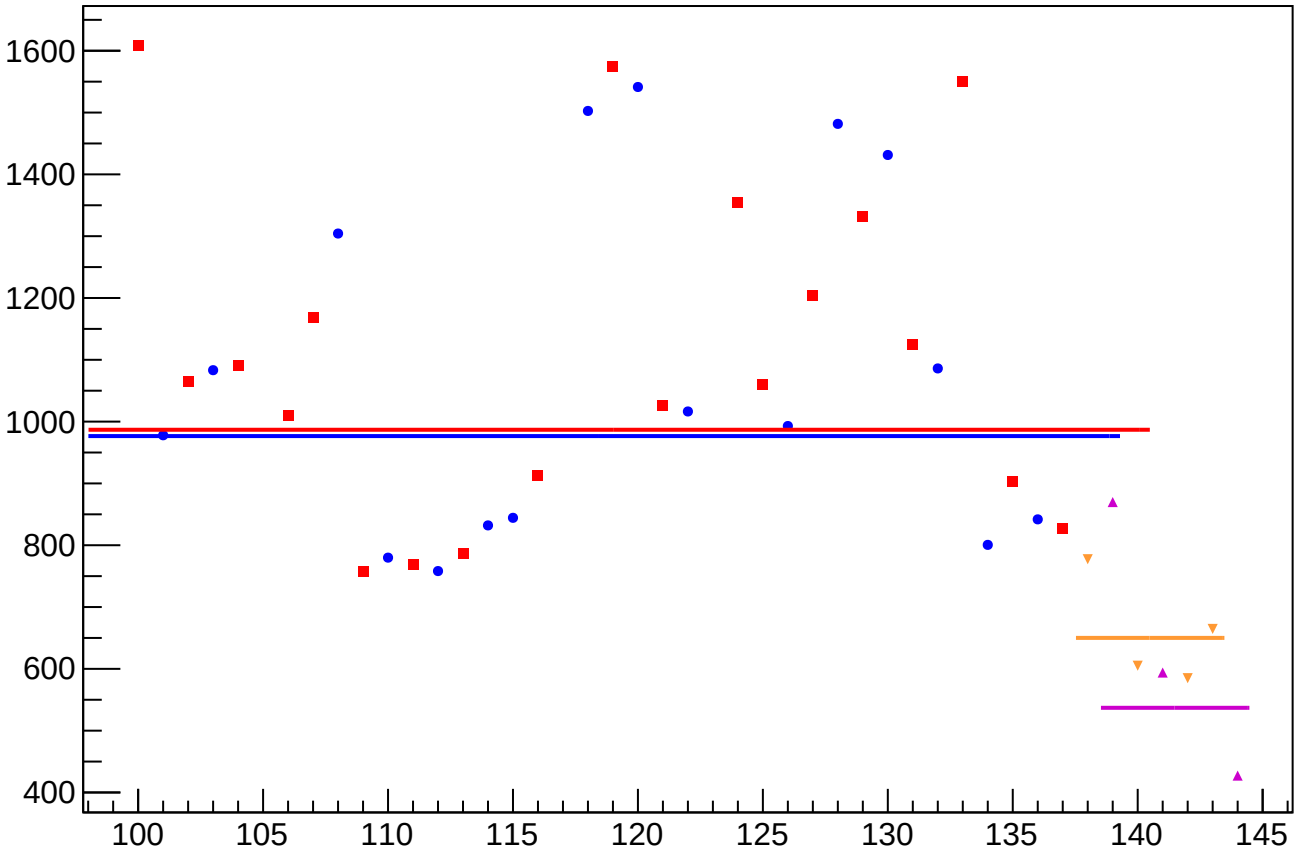
Left: -103.595+/-259.265 χ^2/NDF: 13.6/6

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -117.826+/-255.118 χ^2/NDF:27.4/18

Out: 221.943+/-269.130 χ^2/NDF:28.4/22

All: 42.983+/-185.151 χ^2/NDF: 56.7/41



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 536.984+/-0.246 χ^2/NDF:375018.9/2

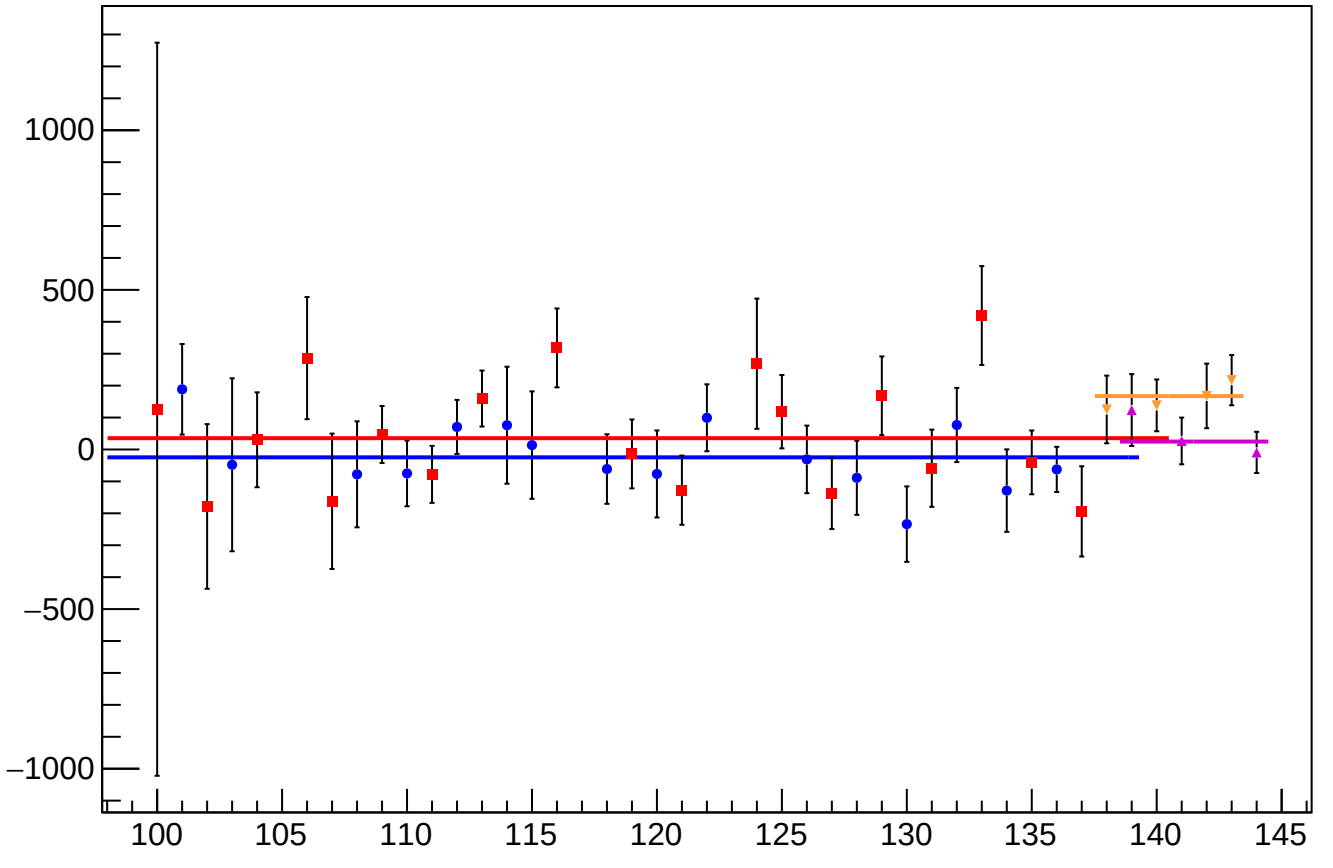
Left: 587.331+/-0.183 χ^2/NDF: 530296.8/6

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 740.409+/-0.180 χ^2/NDF:2588023.6/18

Out: 825.307+/-0.190 χ^2/NDF:1556035.3/22

All: 780.590+/-0.131 χ^2/NDF: 4248885.9/41



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 24.765+/-44.424 χ^2/NDF:1.0/2

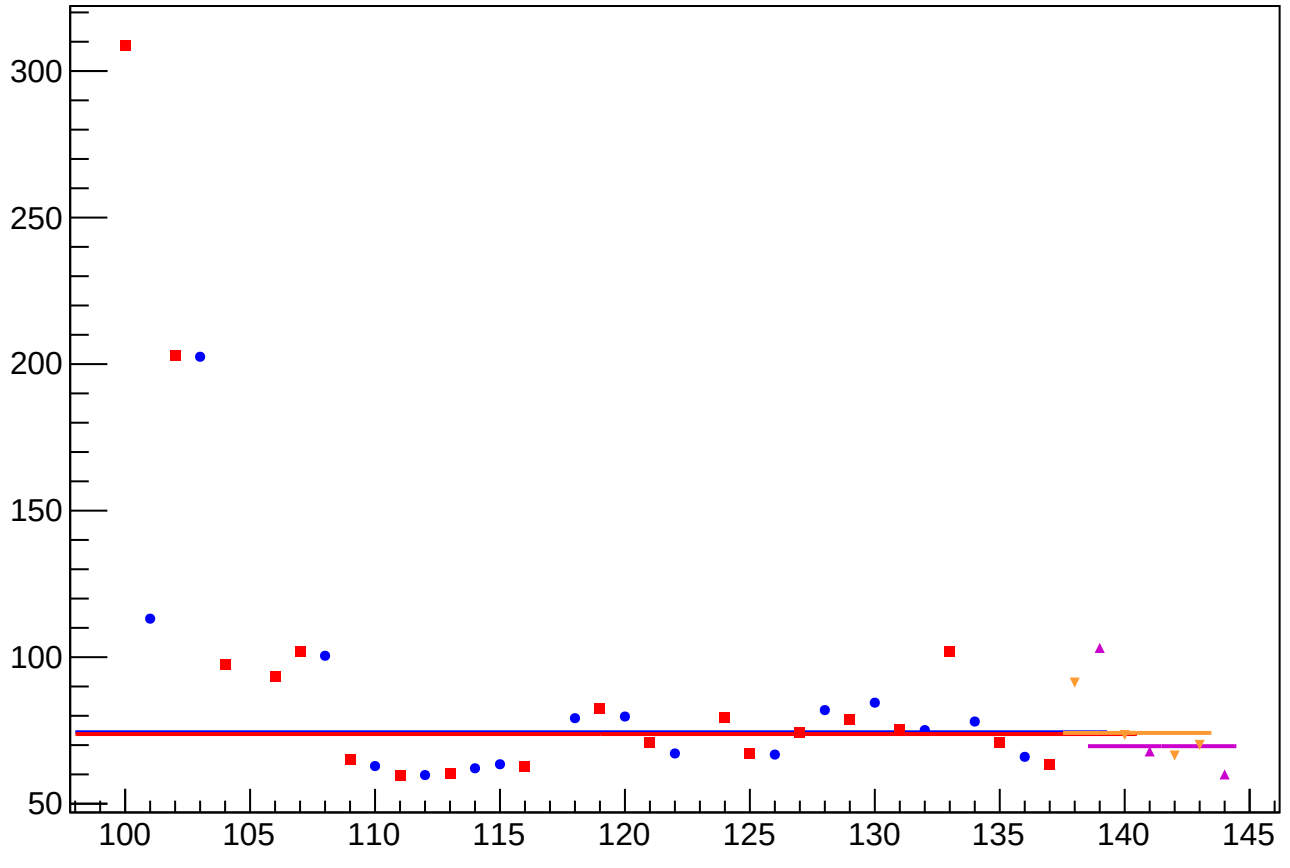
Left: 95.532+/-31.510 χ^2/NDF: 6.8/6

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -9.940+/-24.232 χ^2/NDF:12.9/18

Out: 73.394+/-24.005 χ^2/NDF:36.9/22

All: 32.119+/-17.054 χ^2/NDF: 55.8/41



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 69.628+/-0.031 χ^2/NDF:223494.6/2

Left: 71.881+/-0.022 χ^2/NDF: 303578.2/6

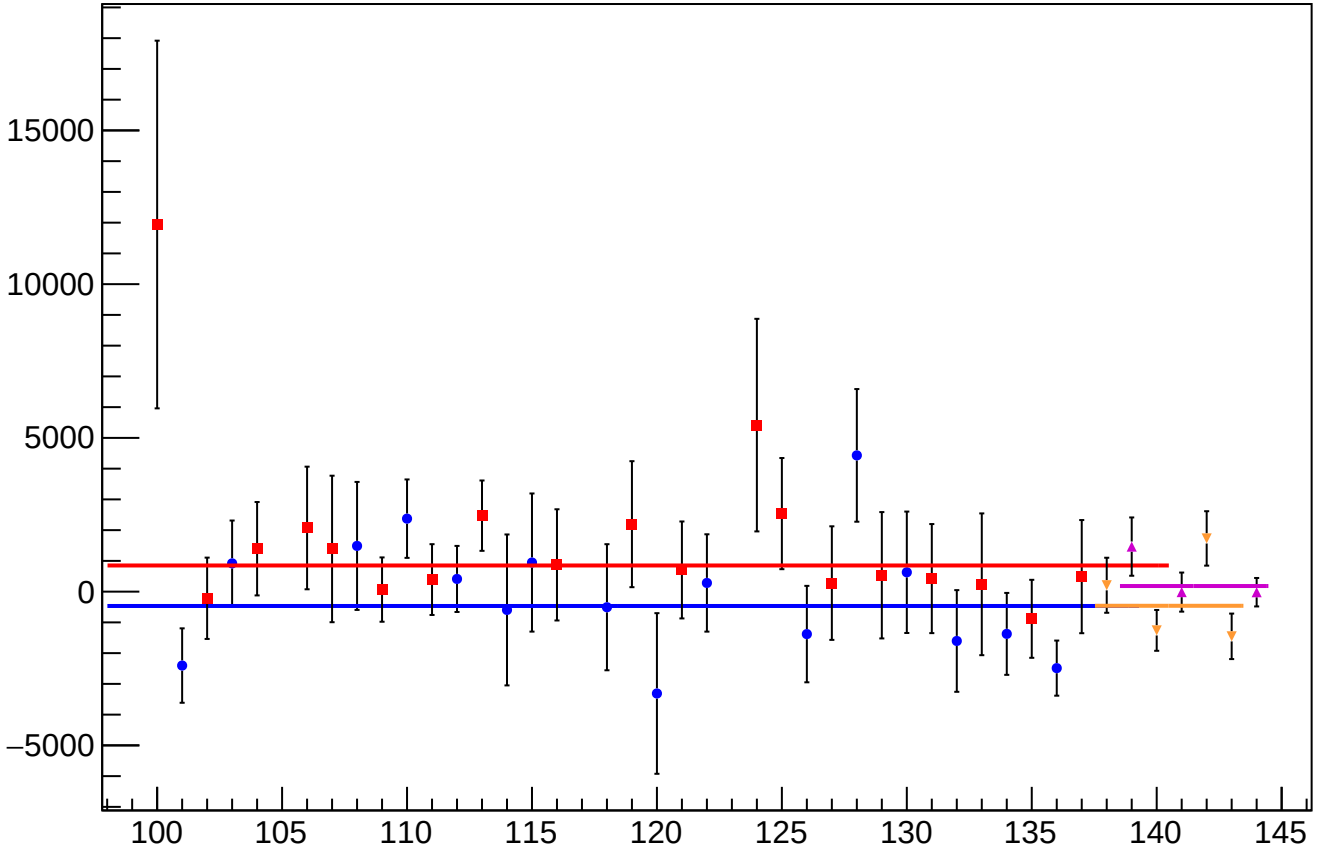
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 72.958+/-0.017 χ^2/NDF:1067078.8/18

Out: 73.885+/-0.017 χ^2/NDF:998008.0/22

All: 73.426+/-0.012 χ^2/NDF: 2066562.7/41

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: -460.216+/-388.595 χ^2/NDF:9.9/3

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 182.500+/-348.057 χ^2/NDF:2.1/2

Left: -103.595+/-259.265 χ^2/NDF: 13.6/6

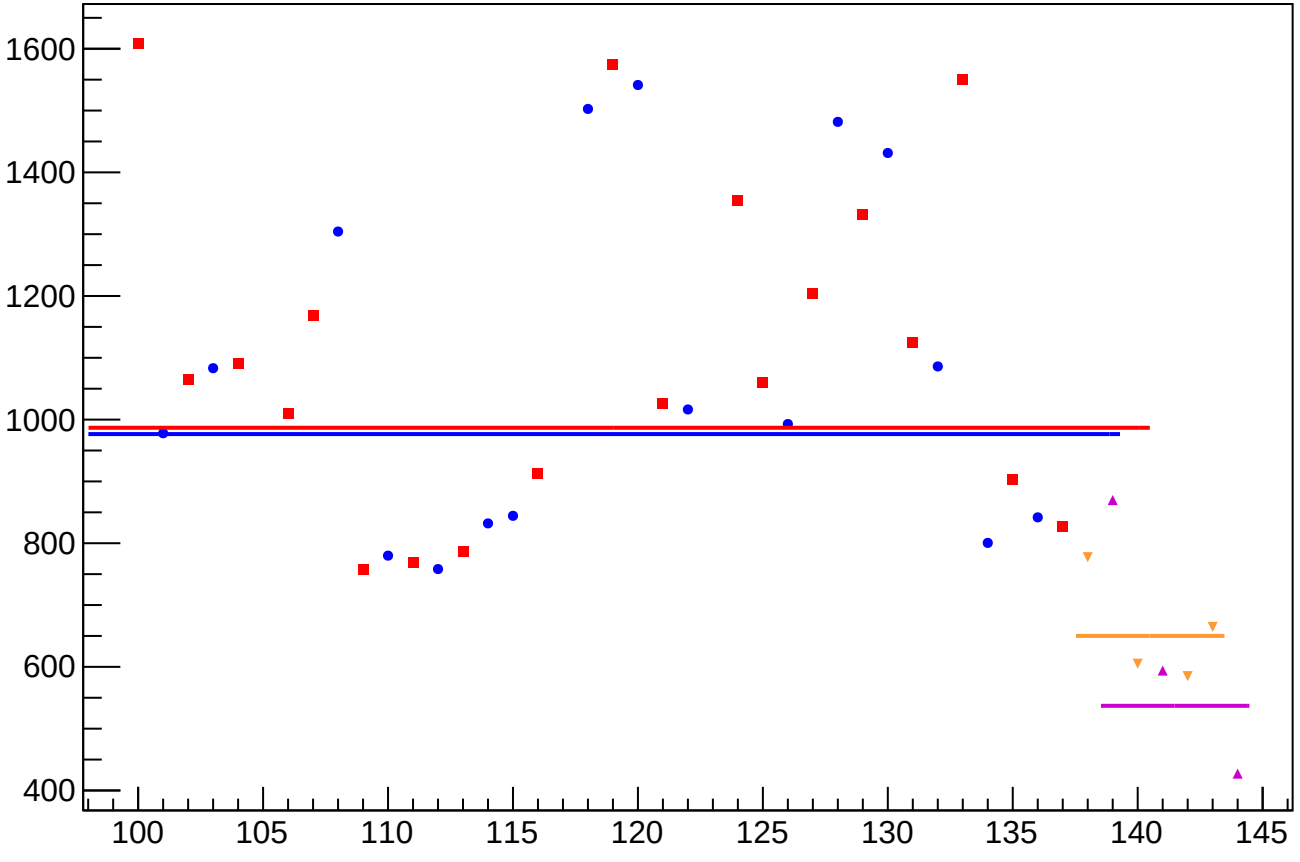
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -117.826+/-255.118 χ^2/NDF:27.4/18

Out: 221.943+/-269.130 χ^2/NDF:28.4/22

All: 42.983+/-185.151 χ^2/NDF: 56.7/41

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: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 536.984+/-0.246 χ^2/NDF:375018.9/2

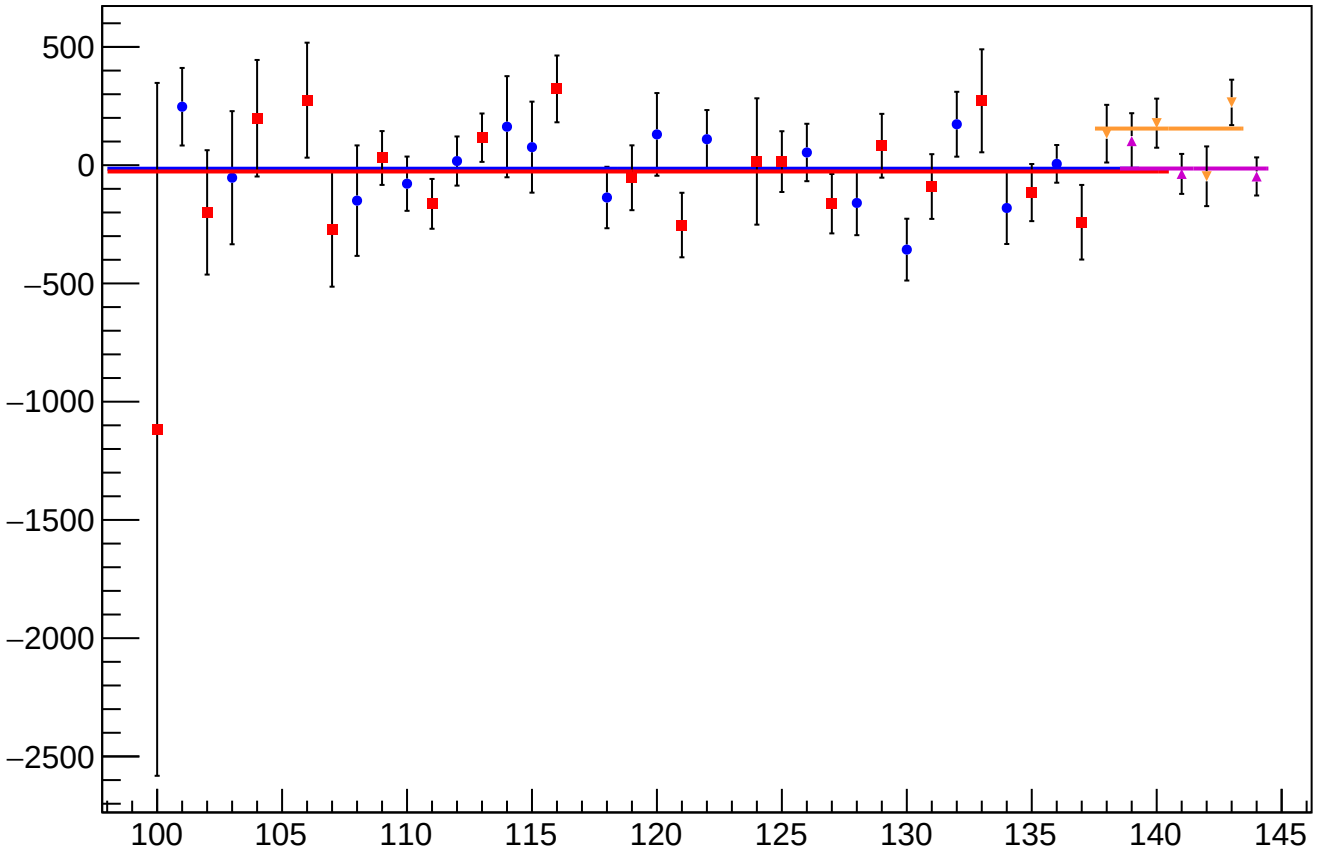
Left: 587.331+/-0.183 χ^2/NDF: 530296.8/6

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 740.409+/-0.180 χ^2/NDF:2588023.6/18

Out: 825.307+/-0.190 χ^2/NDF:1556035.3/22

All: 780.590+/-0.131 χ^2/NDF: 4248885.9/41



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.822+/-54.940 χ^2/NDF:4.0/3

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: -14.122+/-52.277 χ^2/NDF:1.2/2

Left: 66.155+/-37.872 χ^2/NDF: 10.1/6

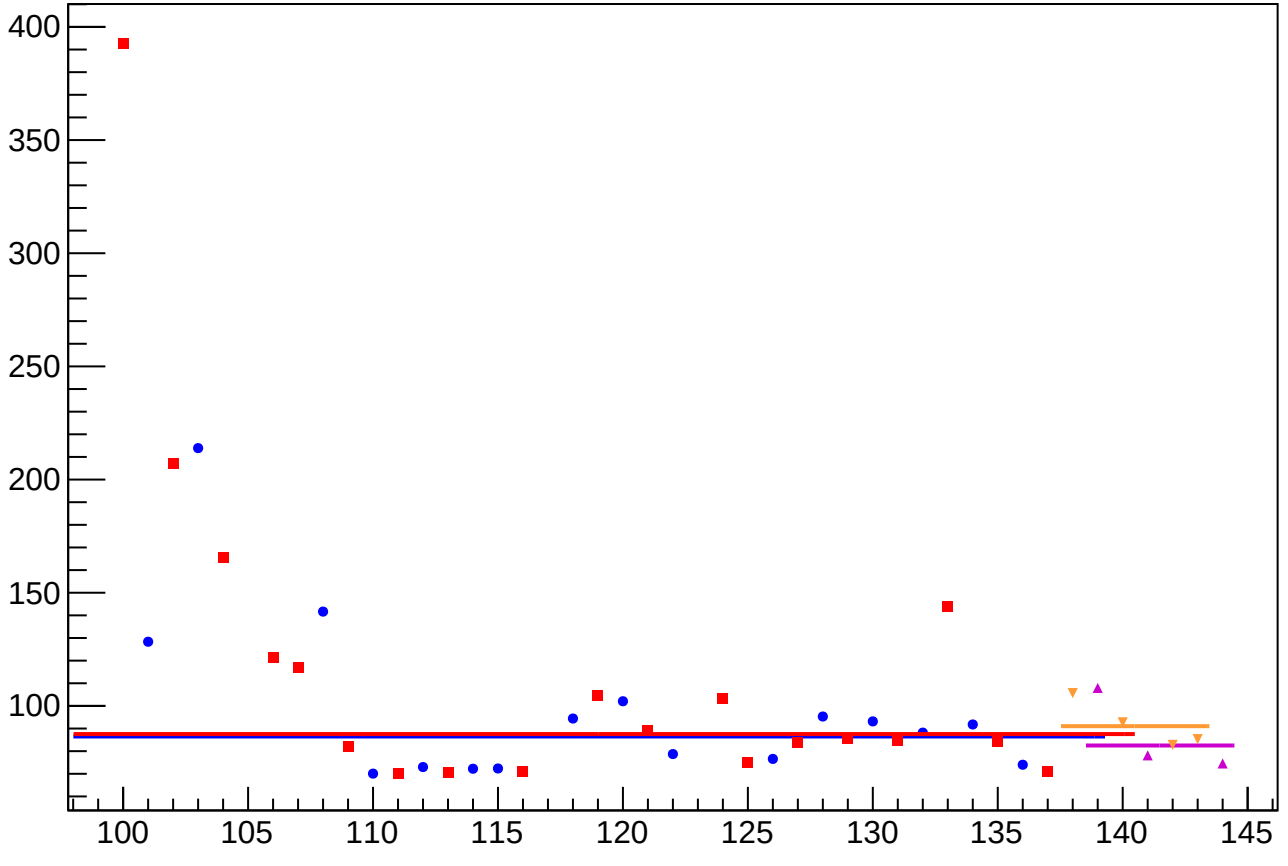
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -14.708+/-28.361 χ^2/NDF:19.5/18

Out: 23.756+/-28.956 χ^2/NDF:35.4/22

All: 4.124+/-20.261 χ^2/NDF: 55.8/41

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 91.047+/-0.039 χ^2/NDF:44874.0/3

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 82.503+/-0.037 χ^2/NDF:117829.1/2

Left: 86.563+/-0.027 χ^2/NDF: 188087.0/6

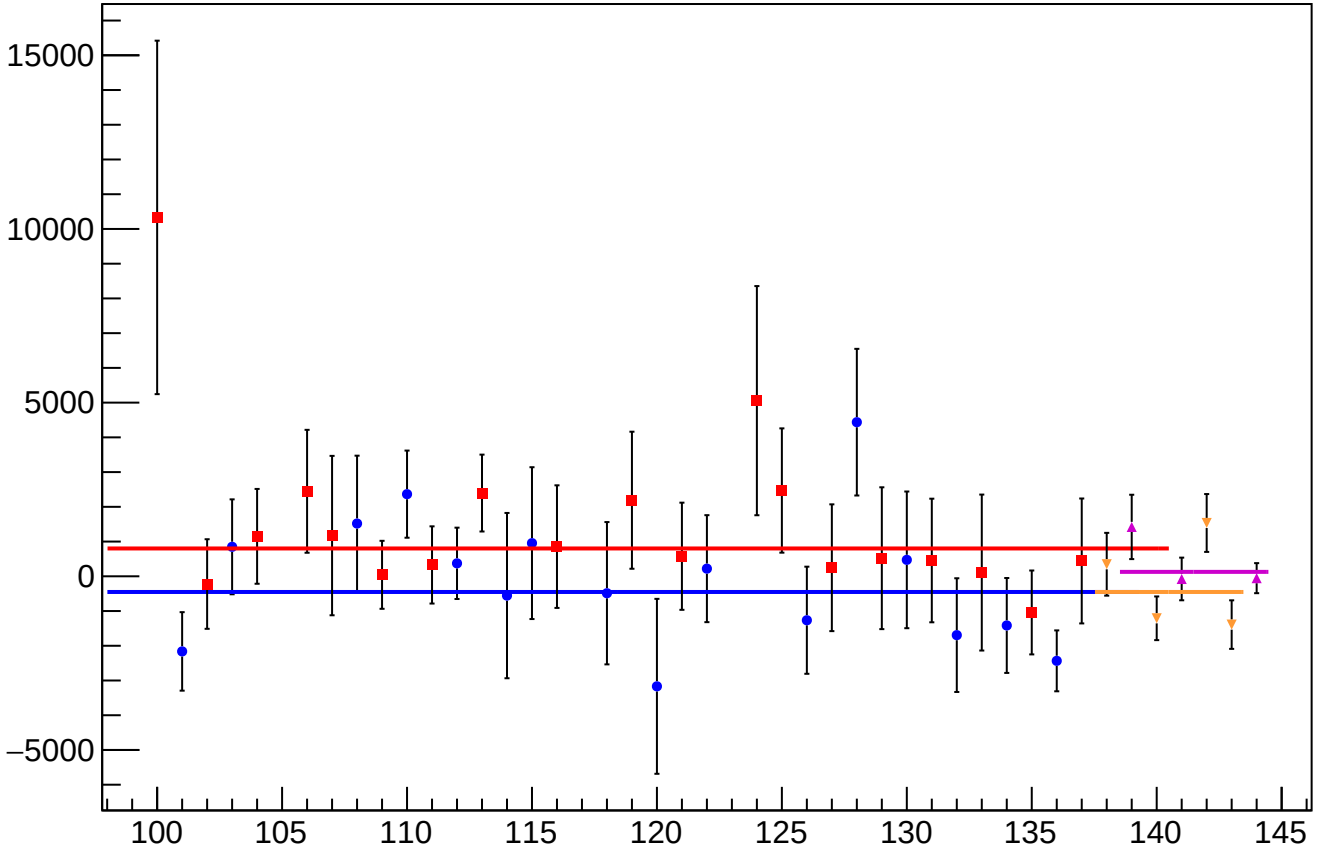
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.316+/-0.020 χ^2/NDF:982291.6/18

Out: 88.525+/-0.020 χ^2/NDF:1180504.4/22

All: 86.887+/-0.014 χ^2/NDF: 2175331.1/41

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: -451.190+/-371.571 χ^2/NDF:9.7/3

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 127.417+/-330.409 χ^2/NDF:2.2/2

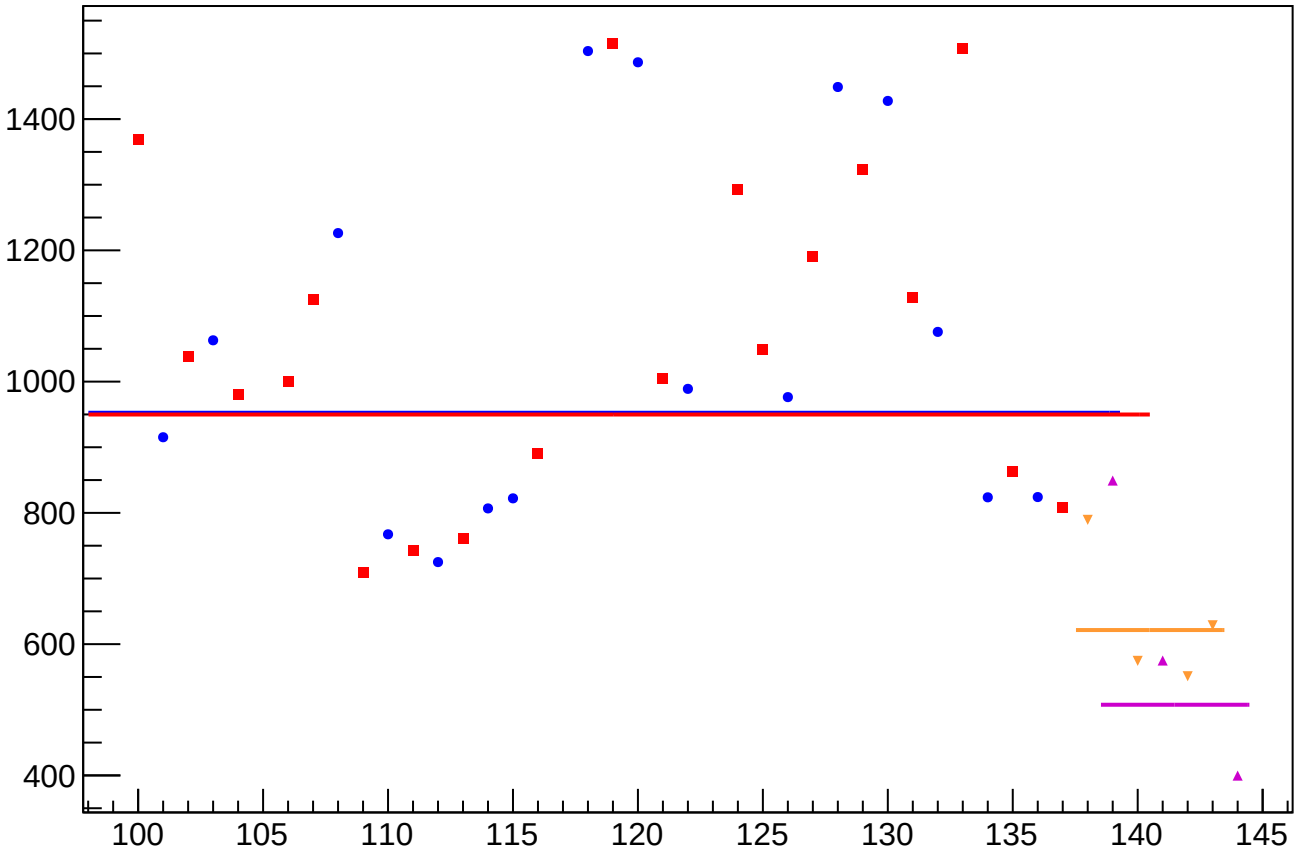
Left: -128.076+/-246.910 χ^2/NDF: 13.3/6

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -132.788+/-245.136 χ^2/NDF:27.3/18

Out: 198.530+/-257.758 χ^2/NDF:29.2/22

All: 24.560+/-177.632 χ^2/NDF: 57.4/41



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 621.492+/-0.263 χ^2/NDF:94671.5/3

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 507.668+/-0.234 χ^2/NDF:420530.9/2

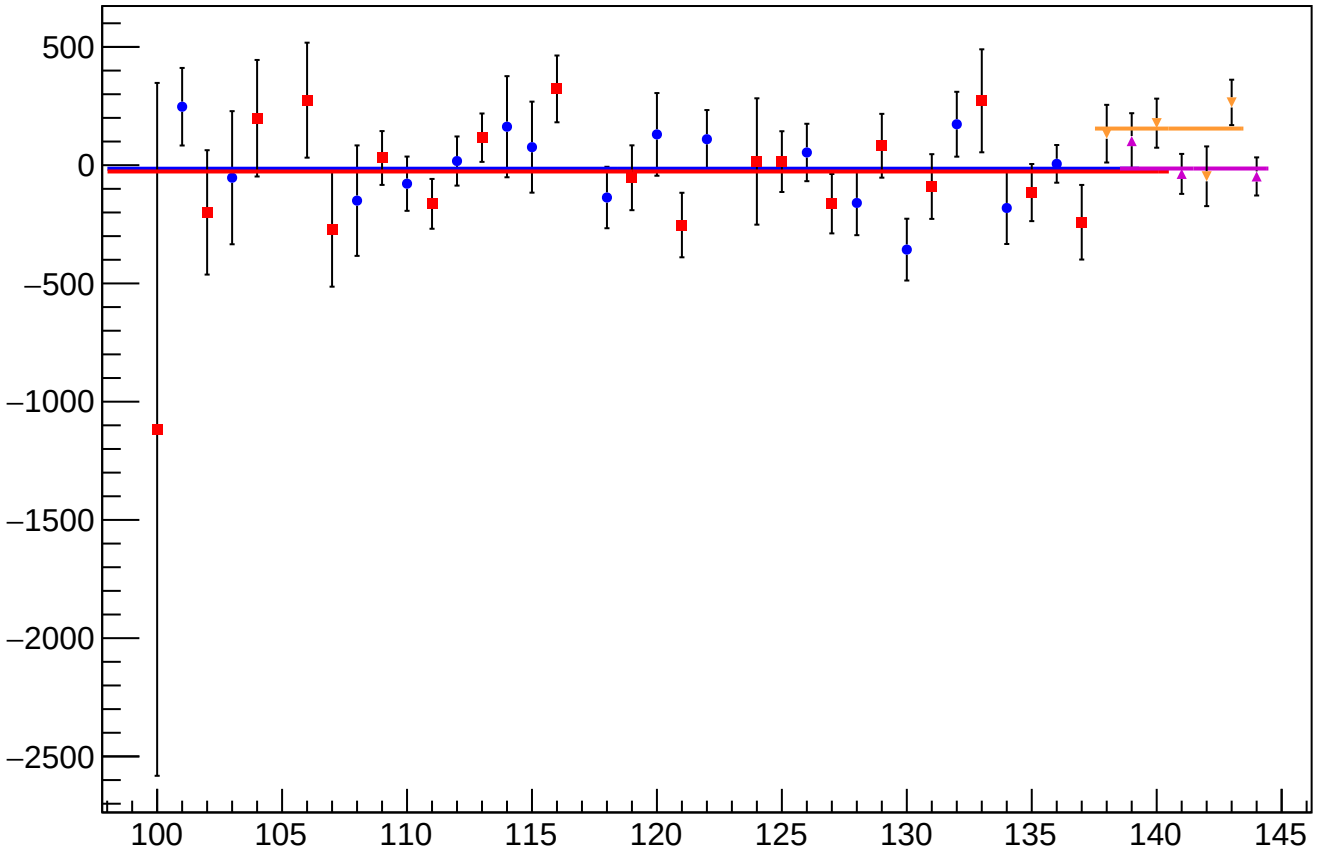
Left: 557.928+/-0.175 χ^2/NDF: 620008.7/6

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 707.670+/-0.173 χ^2/NDF:2796947.5/18

Out: 791.859+/-0.182 χ^2/NDF:1656817.8/22

All: 747.653+/-0.126 χ^2/NDF: 4565799.3/41



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.821+/-54.941 χ^2/NDF:4.0/3

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: -14.121+/-52.277 χ^2/NDF:1.2/2

Left: 66.155+/-37.872 χ^2/NDF: 10.1/6

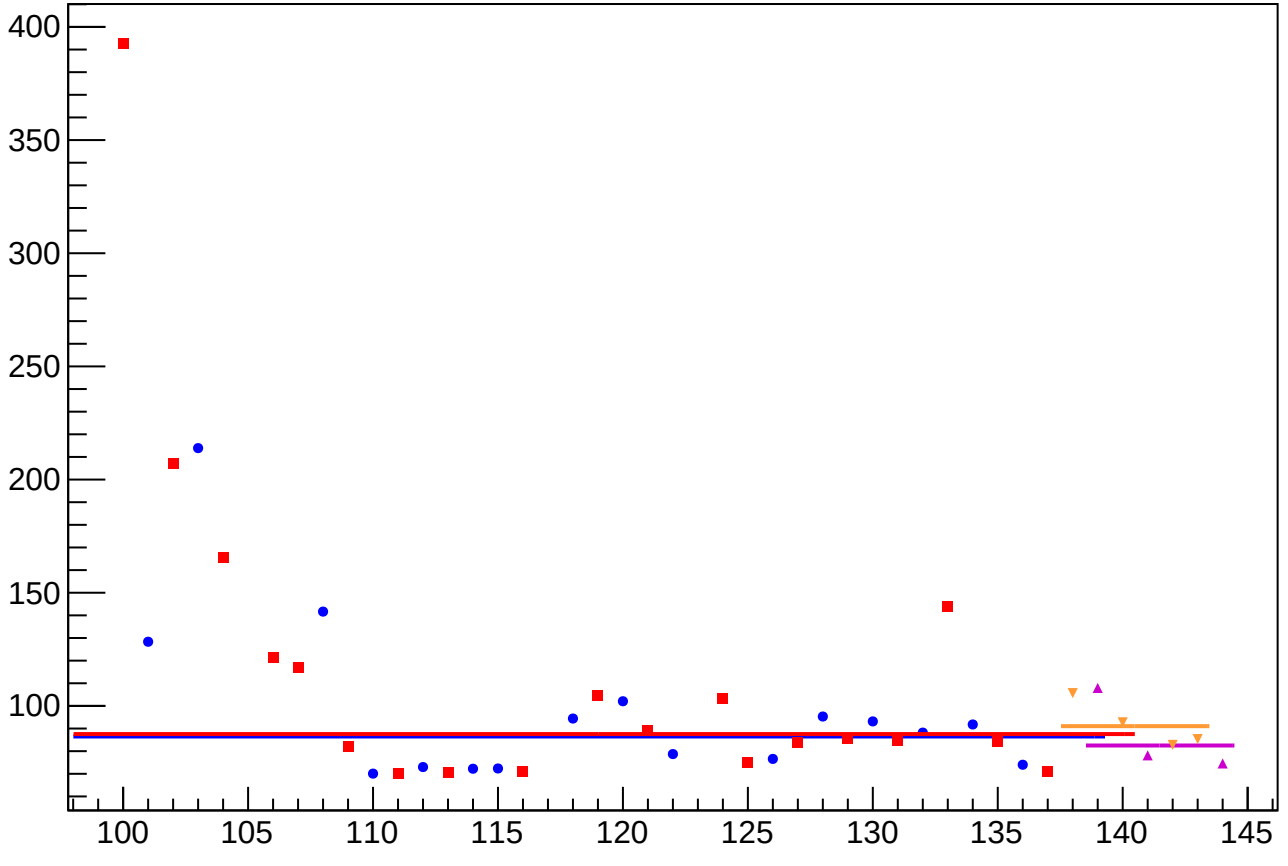
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -14.708+/-28.361 χ^2/NDF:19.5/18

Out: 23.754+/-28.956 χ^2/NDF:35.4/22

All: 4.123+/-20.261 χ^2/NDF: 55.8/41

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 91.047+/-0.039 χ^2/NDF:44871.5/3

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 82.503+/-0.037 χ^2/NDF:117826.7/2

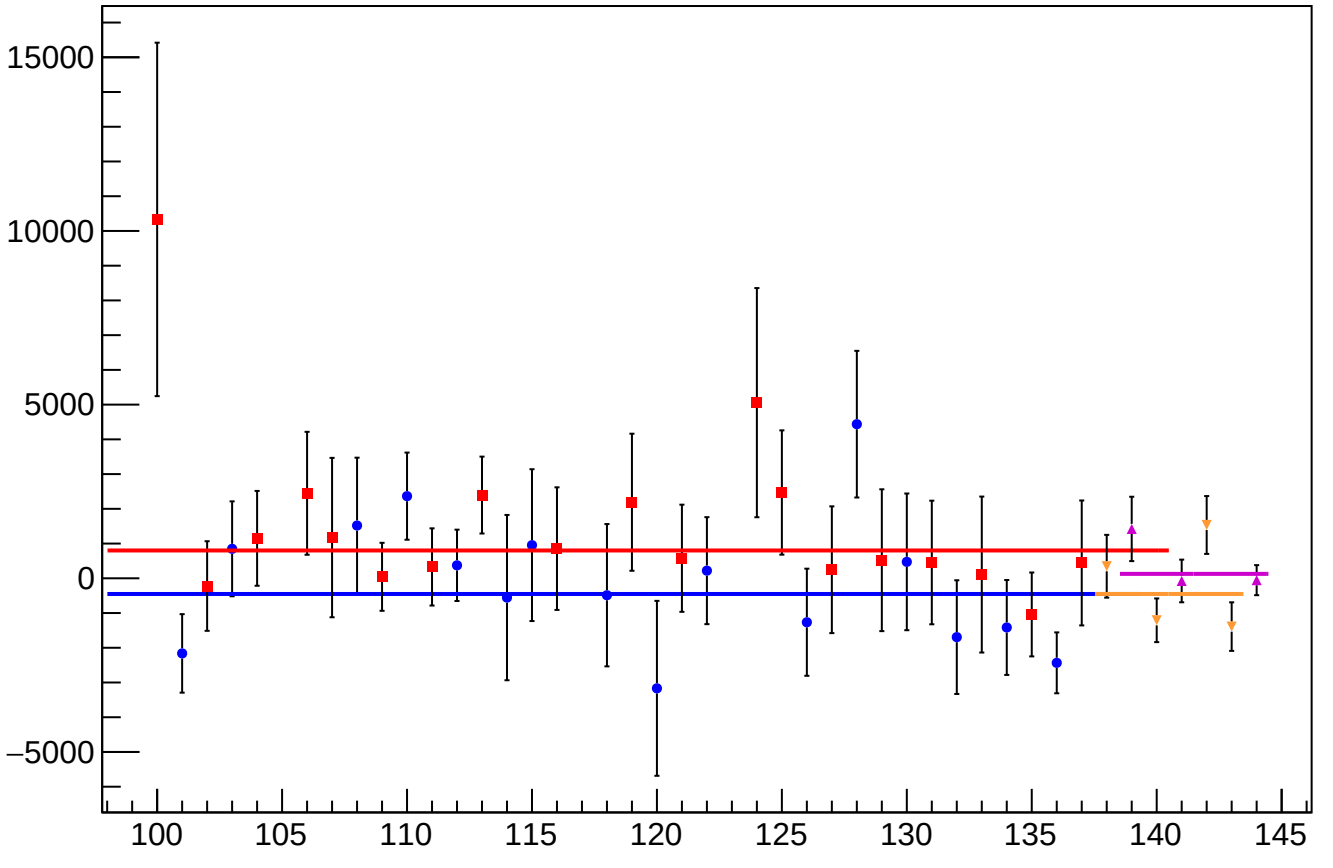
Left: 86.563+/-0.027 χ^2/NDF: 188083.5/6

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 85.316+/-0.020 χ^2/NDF:982281.4/18

Out: 88.525+/-0.020 χ^2/NDF:1180499.7/22

All: 86.887+/-0.014 χ^2/NDF: 2175317.2/41



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -451.193+/-371.570 χ^2/NDF:9.7/3

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 127.417+/-330.409 χ^2/NDF:2.2/2

Left: -128.077+/-246.910 χ^2/NDF: 13.3/6

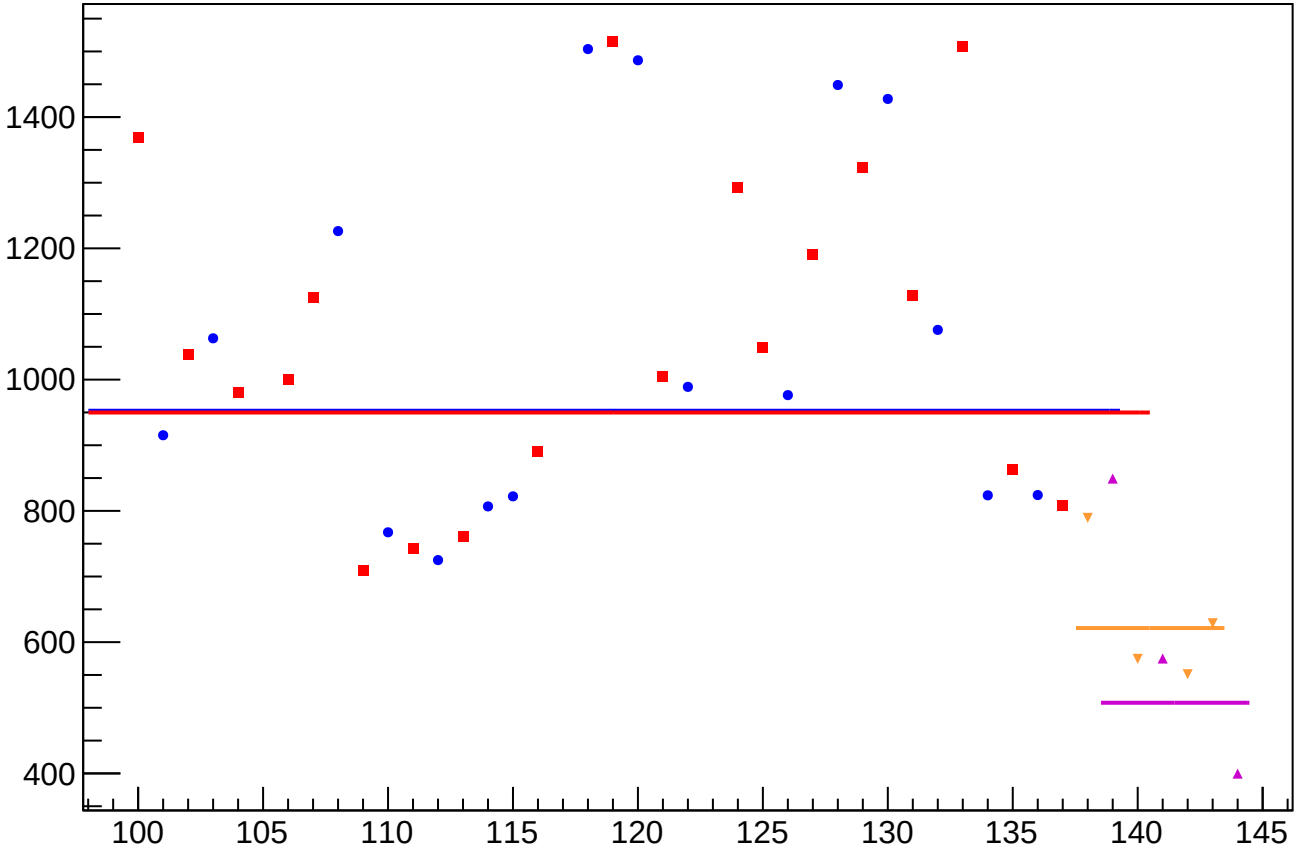
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -132.787+/-245.136 χ^2/NDF:27.3/18

Out: 198.529+/-257.758 χ^2/NDF:29.2/22

All: 24.560+/-177.632 χ^2/NDF: 57.4/41

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 621.491+/-0.263 χ^2/NDF:94672.1/3

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 507.667+/-0.234 χ^2/NDF:420532.5/2

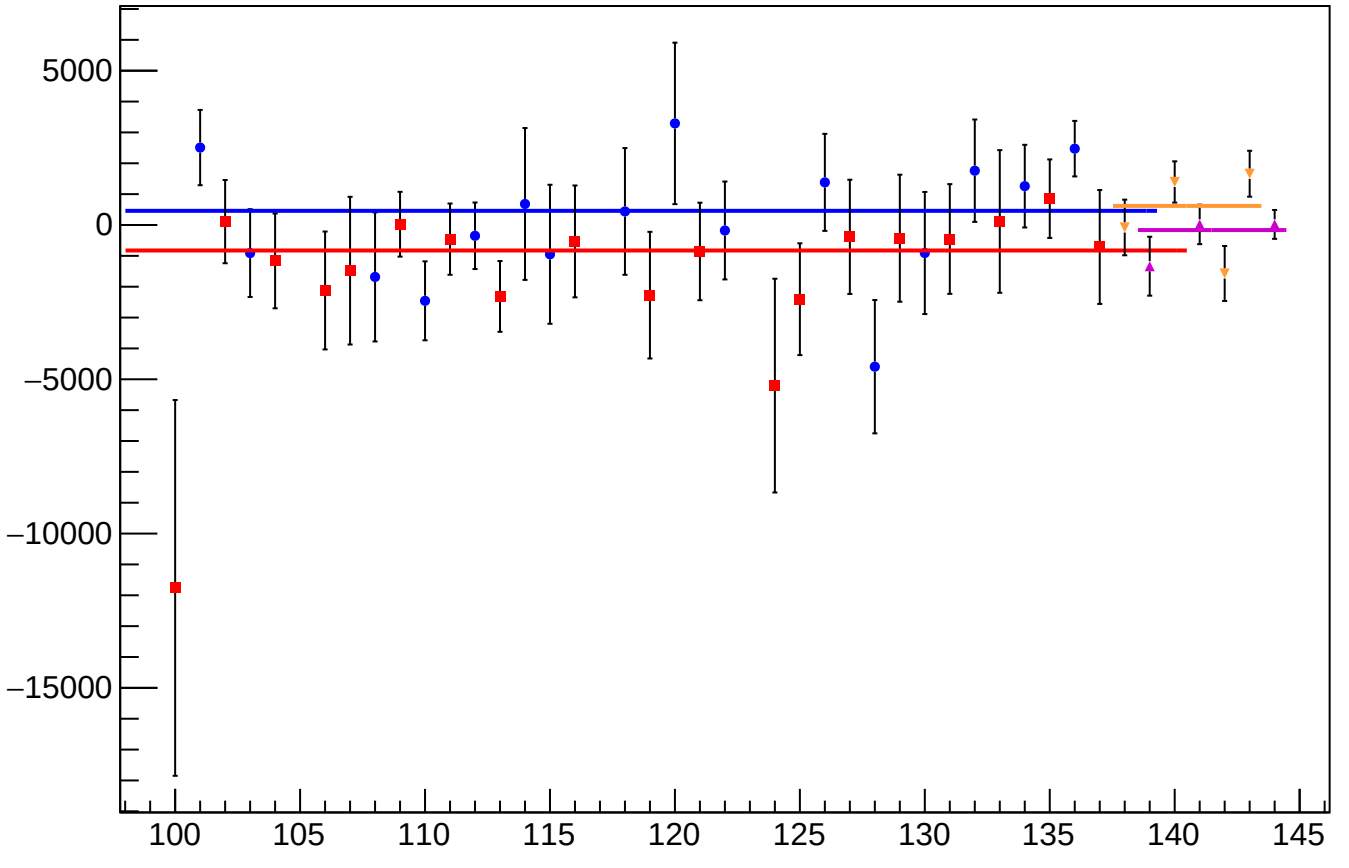
Left: 557.928+/-0.175 χ^2/NDF: 620010.9/6

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 707.669+/-0.173 χ^2/NDF:2796947.1/18

Out: 791.858+/-0.182 χ^2/NDF:1656814.5/22

All: 747.652+/-0.126 χ^2/NDF: 4565795.4/41



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 618.520+/-391.256 χ^2/NDF:10.0/3

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -164.190+/-351.118 χ^2/NDF:1.7/2

Left: 184.970+/-261.320 χ^2/NDF: 13.9/6

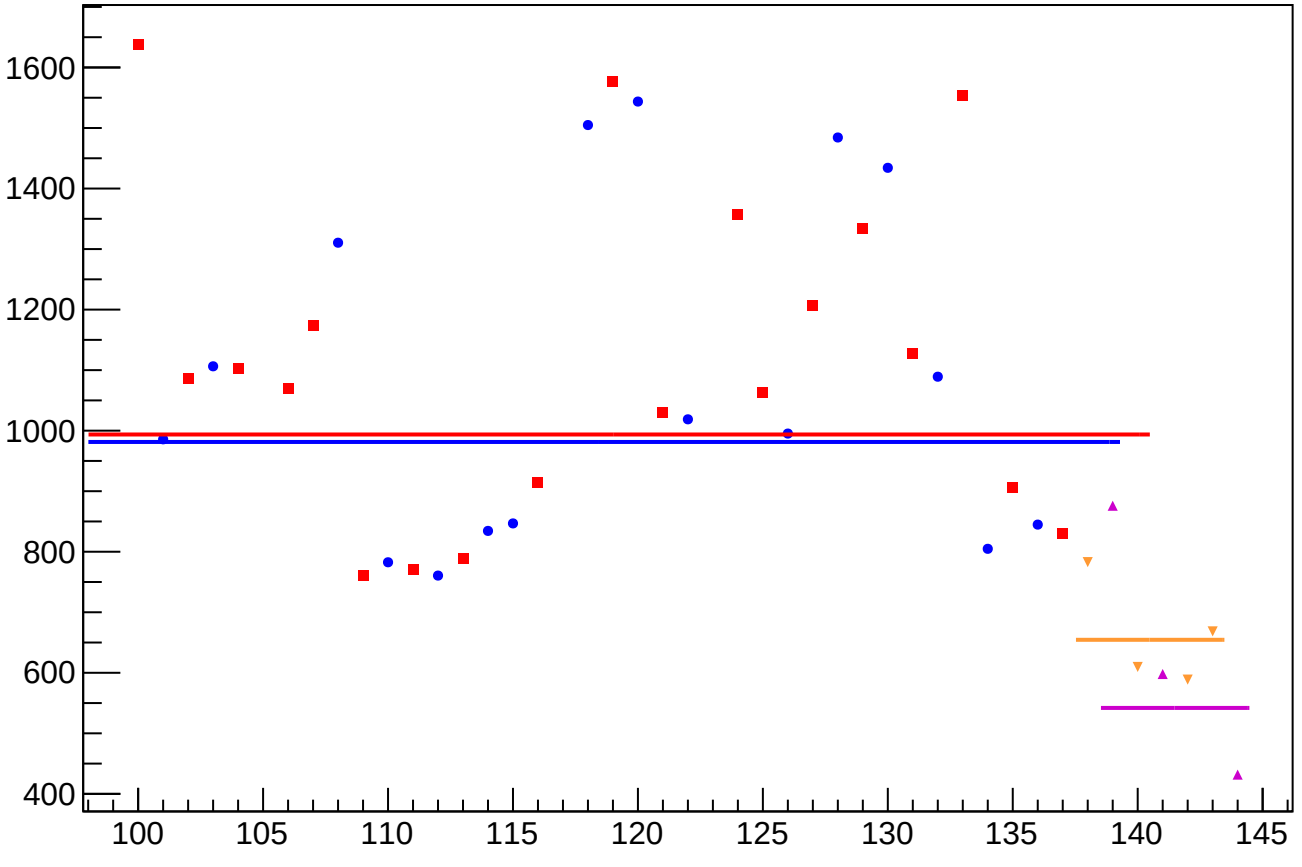
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 125.449+/-256.901 χ^2/NDF:27.8/18

Out: -136.103+/-270.444 χ^2/NDF:28.7/22

All: 1.385+/-186.260 χ^2/NDF: 57.0/41

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 654.502+/-0.277 χ^2/NDF:61122.1/3

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 541.966+/-0.248 χ^2/NDF:371173.3/2

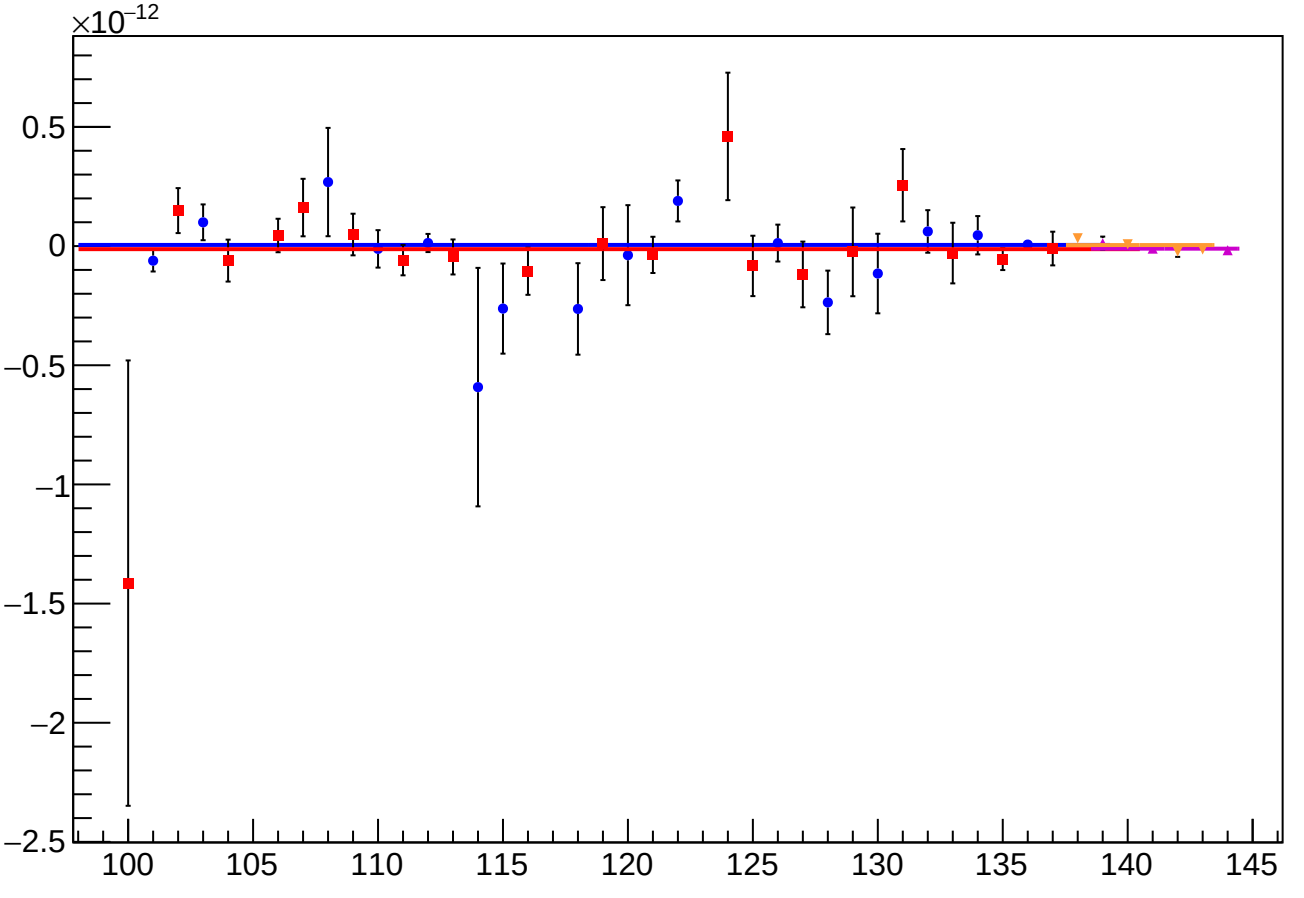
Left: 592.167+/-0.185 χ^2/NDF: 523945.2/6

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 746.132+/-0.182 χ^2/NDF:2564095.4/18

Out: 831.627+/-0.191 χ^2/NDF:1565835.3/22

All: 786.685+/-0.132 χ^2/NDF: 4234996.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/2

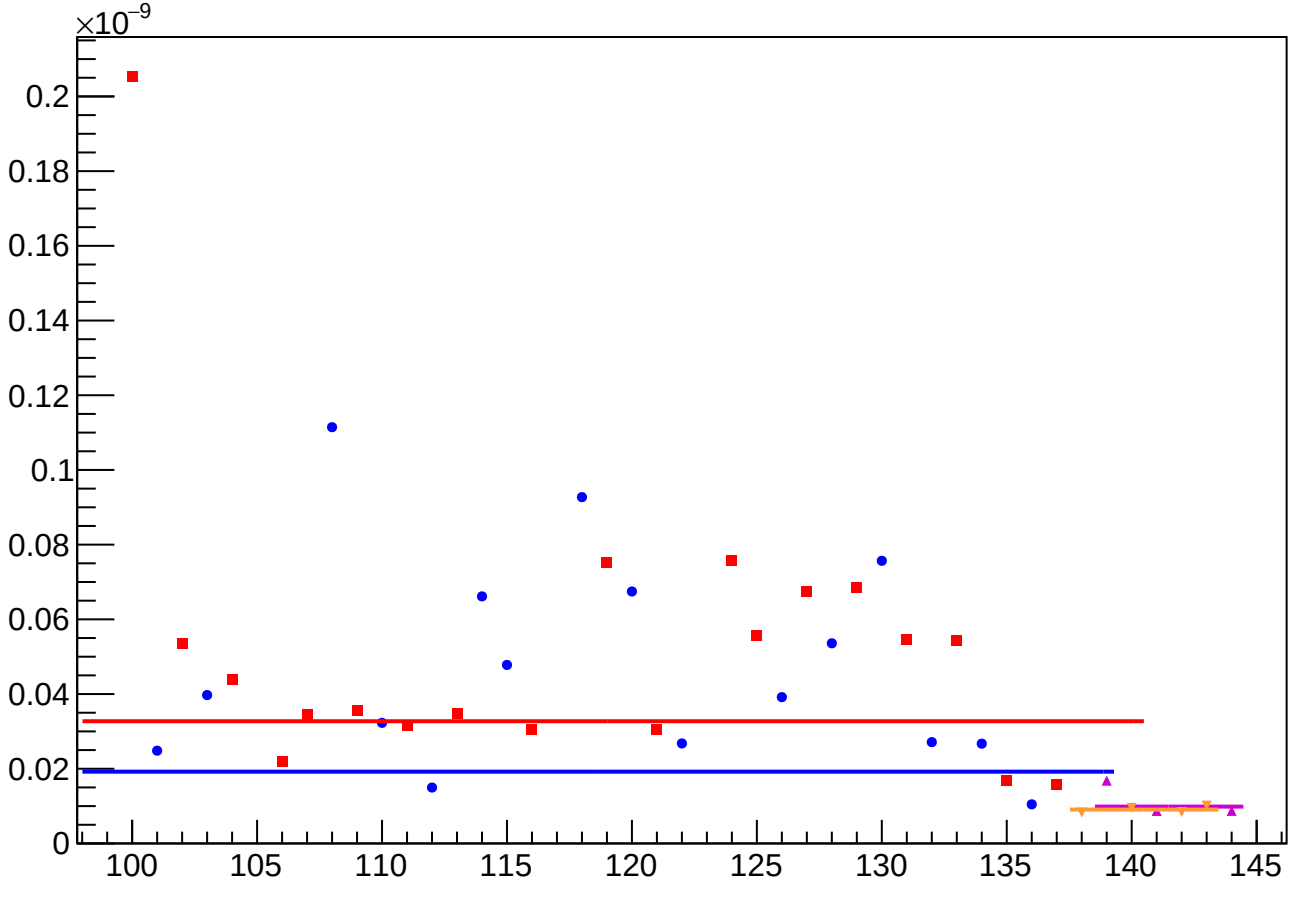
Left: -0.000+/-0.000 χ^2/NDF: 7.0/6

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:21.3/18

Out: 0.000+/-0.000 χ^2/NDF:24.0/22

All: -0.000+/-0.000 χ^2/NDF: 45.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12747.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:147506.1/2

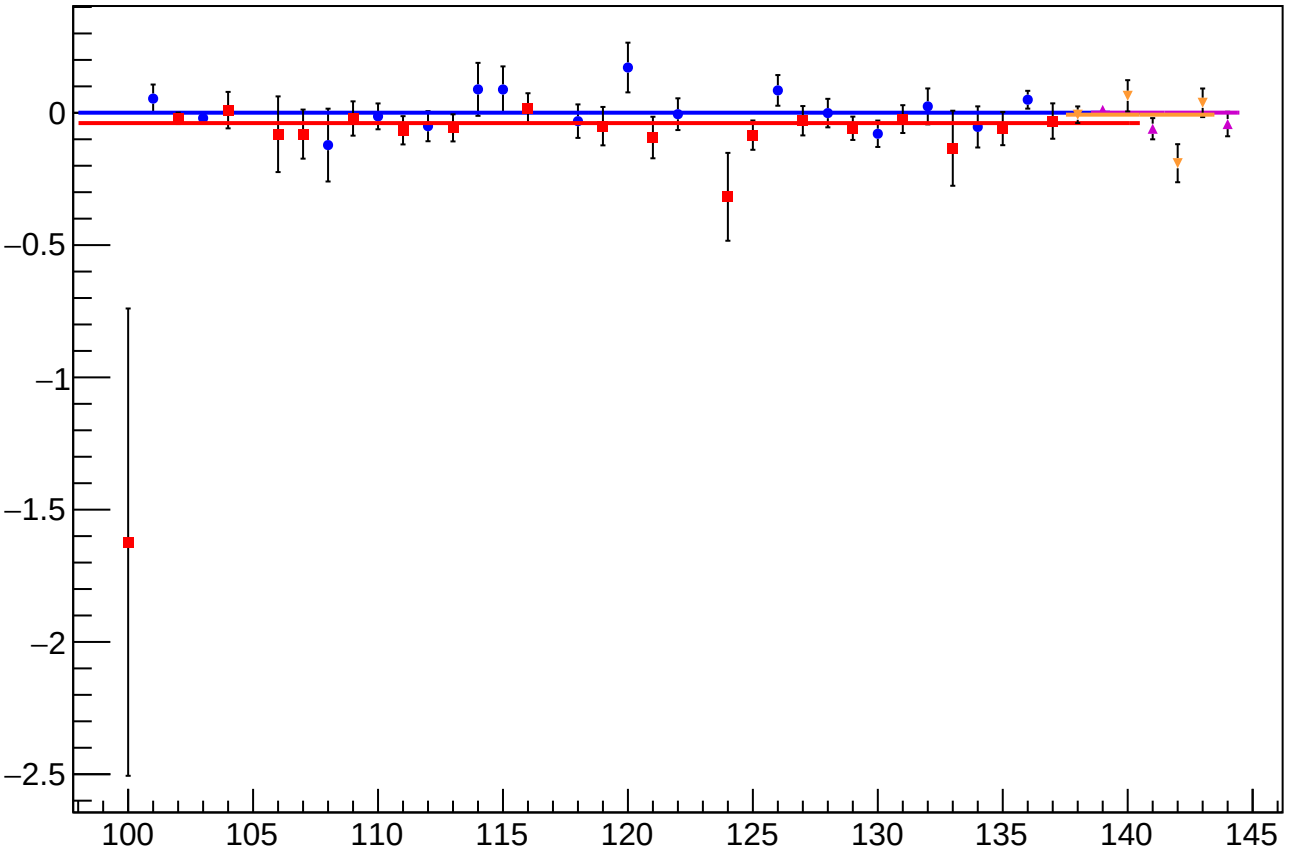
Left: 0.000+/-0.000 χ^2/NDF: 166458.7/6

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2679998.4/18

Out: 0.000+/-0.000 χ^2/NDF:3329821.6/22

All: 0.000+/-0.000 χ^2/NDF: 6010683.3/41



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/2

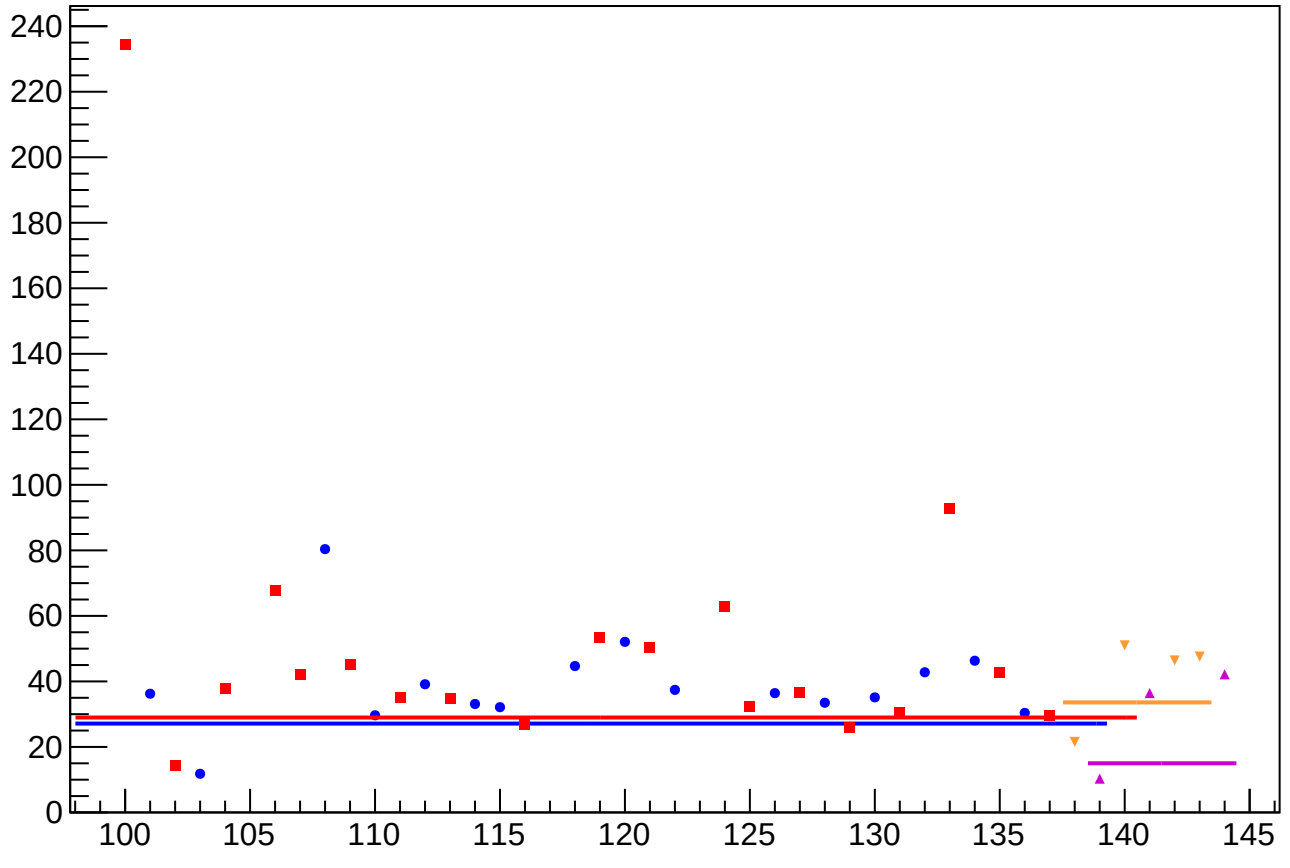
Left: -0.001+/-0.011 χ^2/NDF: 12.5/6

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/18

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.7/41



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 33.587+/-0.017 χ^2/NDF:665300.9/3

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 15.015+/-0.009 χ^2/NDF:1503916.1/2

Left: 19.041+/-0.008 χ^2/NDF: 3161402.7/6

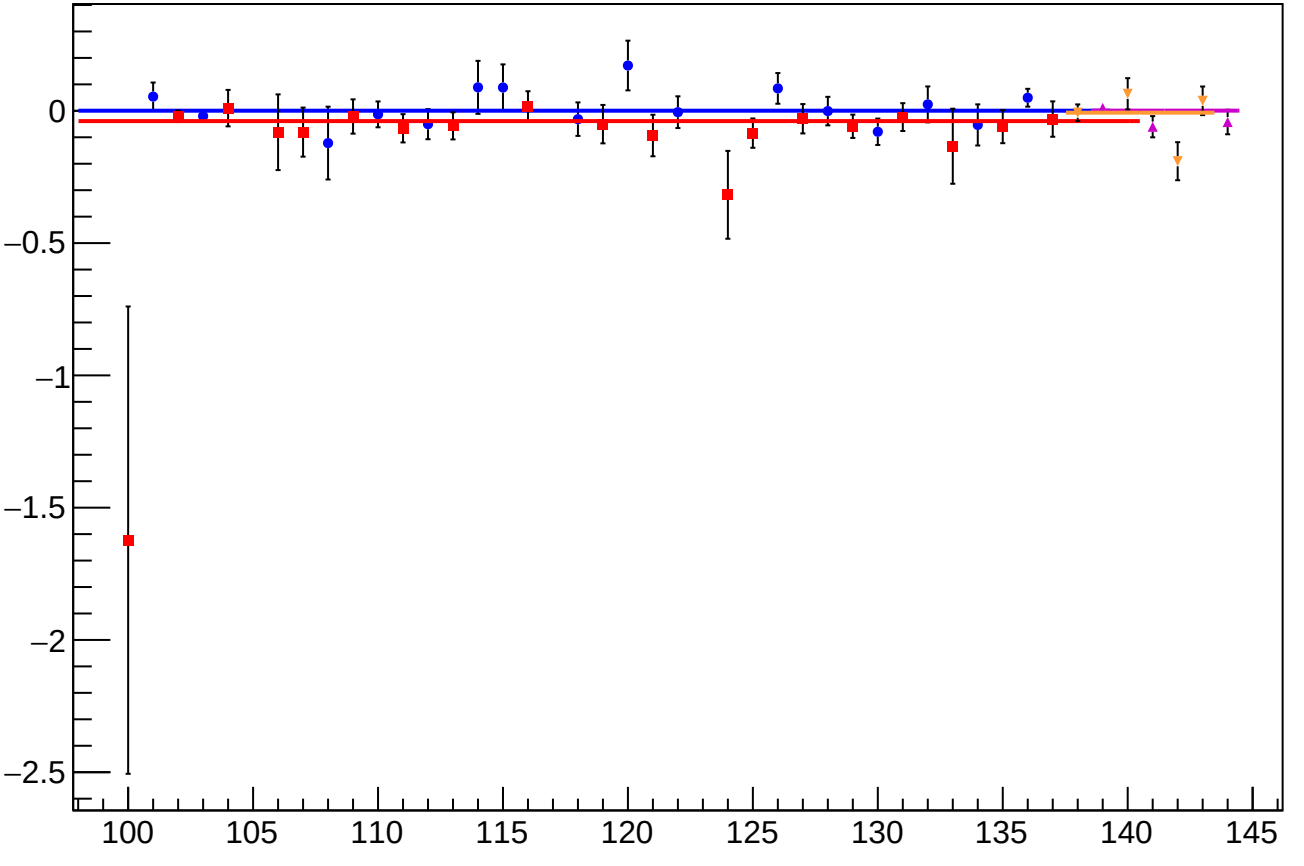
Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 21.193+/-0.006 χ^2/NDF:4912224.3/18

Out: 30.024+/-0.008 χ^2/NDF:3181869.2/22

All: 24.498+/-0.005 χ^2/NDF: 8884401.9/41

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/2

Left: -0.001+/-0.011 χ^2/NDF: 12.5/6

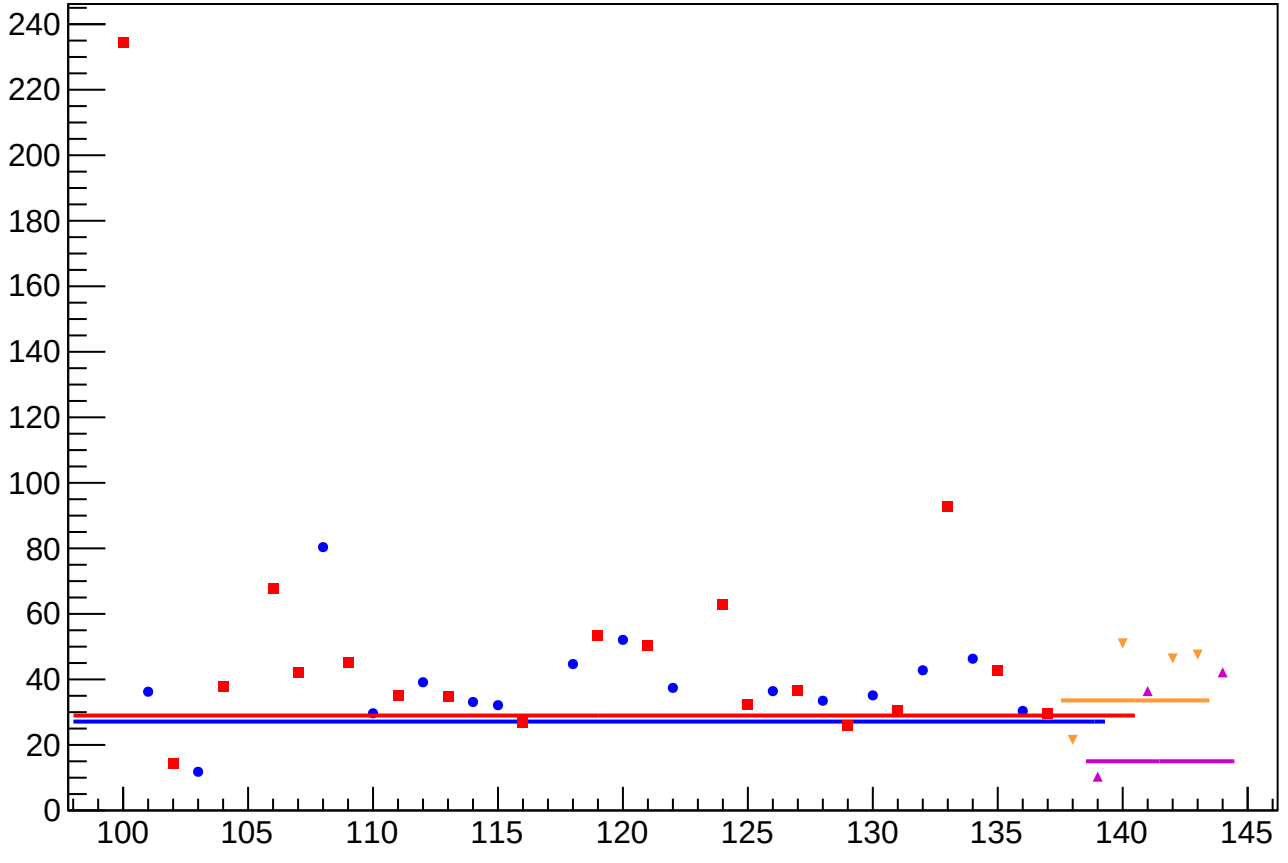
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/18

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.7/41

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: 33.587+/-0.017 χ^2/NDF:665300.9/3

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 15.015+/-0.009 χ^2/NDF:1503916.1/2

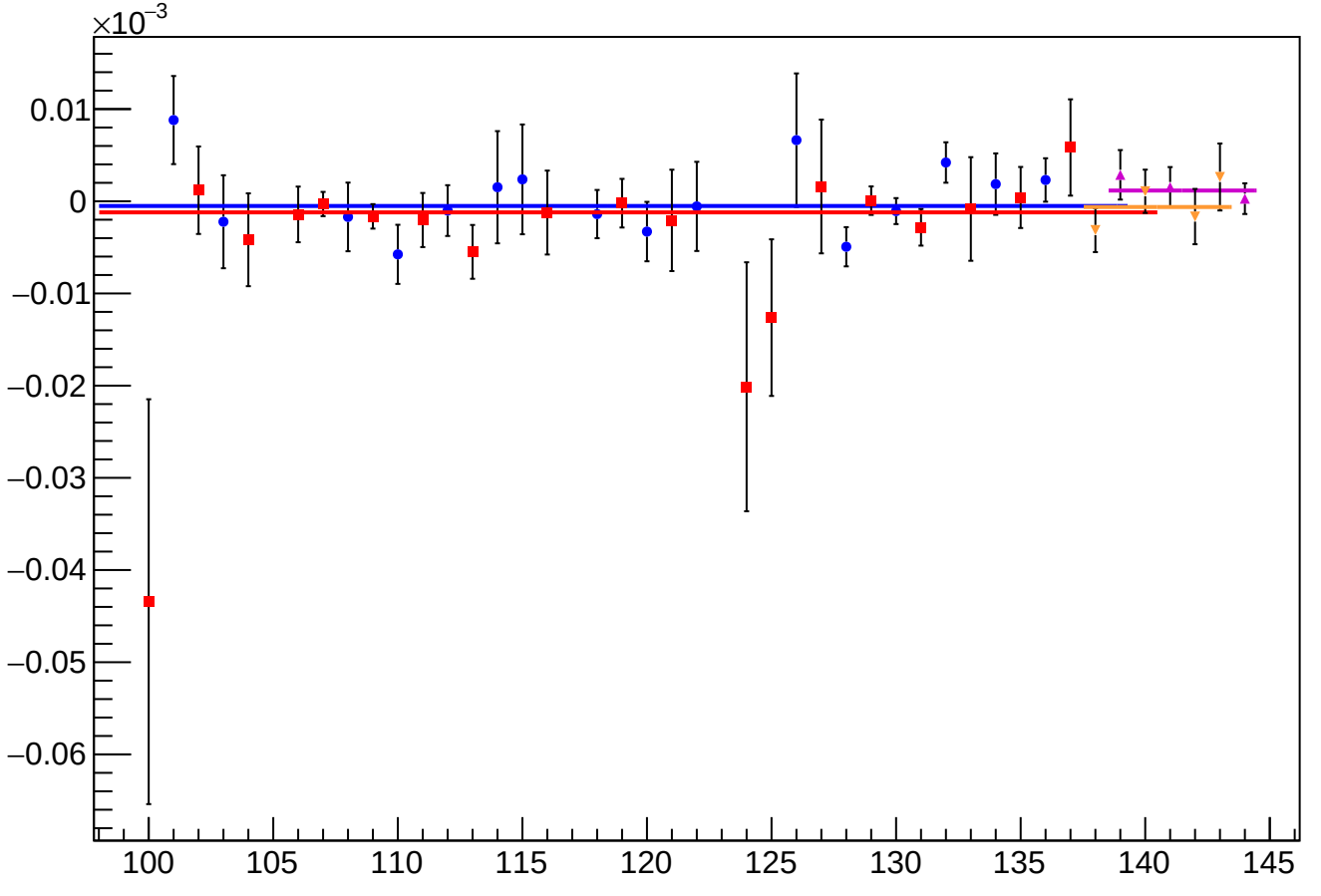
Left: 19.041+/-0.008 χ^2/NDF: 3161402.7/6

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 21.193+/-0.006 χ^2/NDF:4912224.3/18

Out: 30.024+/-0.008 χ^2/NDF:3181869.2/22

All: 24.498+/-0.005 χ^2/NDF: 8884401.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

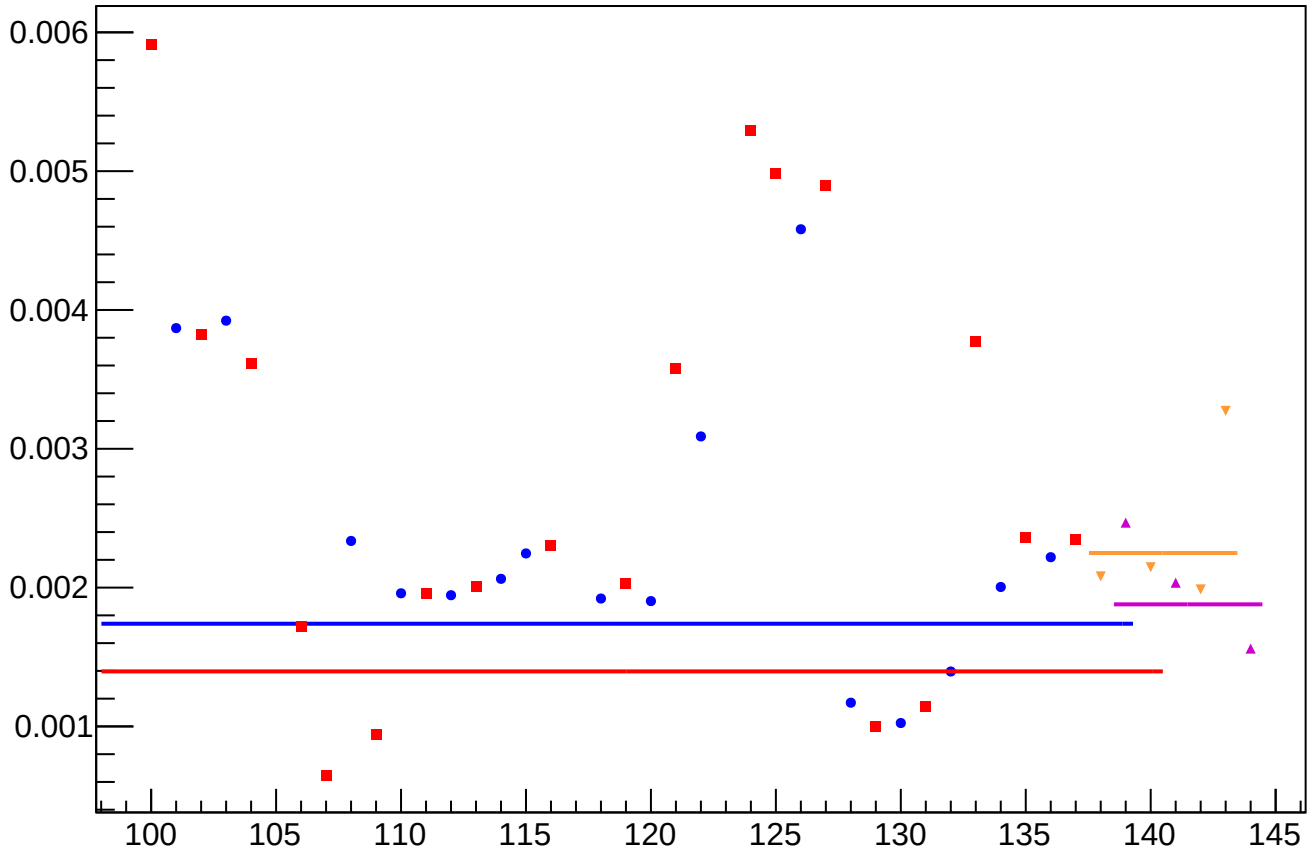
Left: 0.000+/-0.000 χ^2/NDF: 4.3/6

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:22.1/18

Out: -0.000+/-0.000 χ^2/NDF:17.3/22

All: -0.000+/-0.000 χ^2/NDF: 41.0/41



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:188078.8/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:179655.2/2

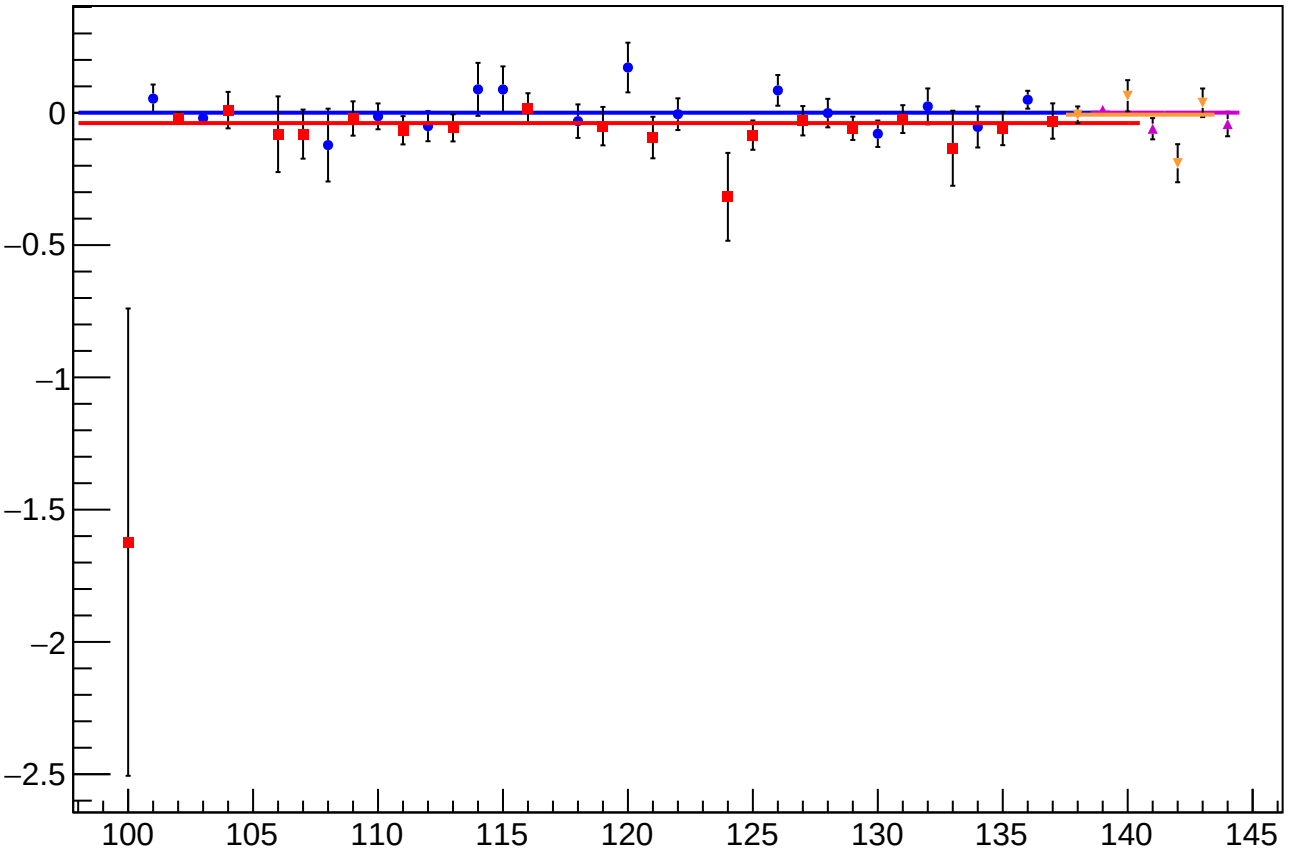
Left: 0.002+/-0.000 χ^2/NDF: 452248.6/6

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2346790.4/18

Out: 0.002+/-0.000 χ^2/NDF:5169917.8/22

All: 0.002+/-0.000 χ^2/NDF: 7679302.9/41



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/2

Left: -0.001+/-0.011 χ^2/NDF: 12.5/6

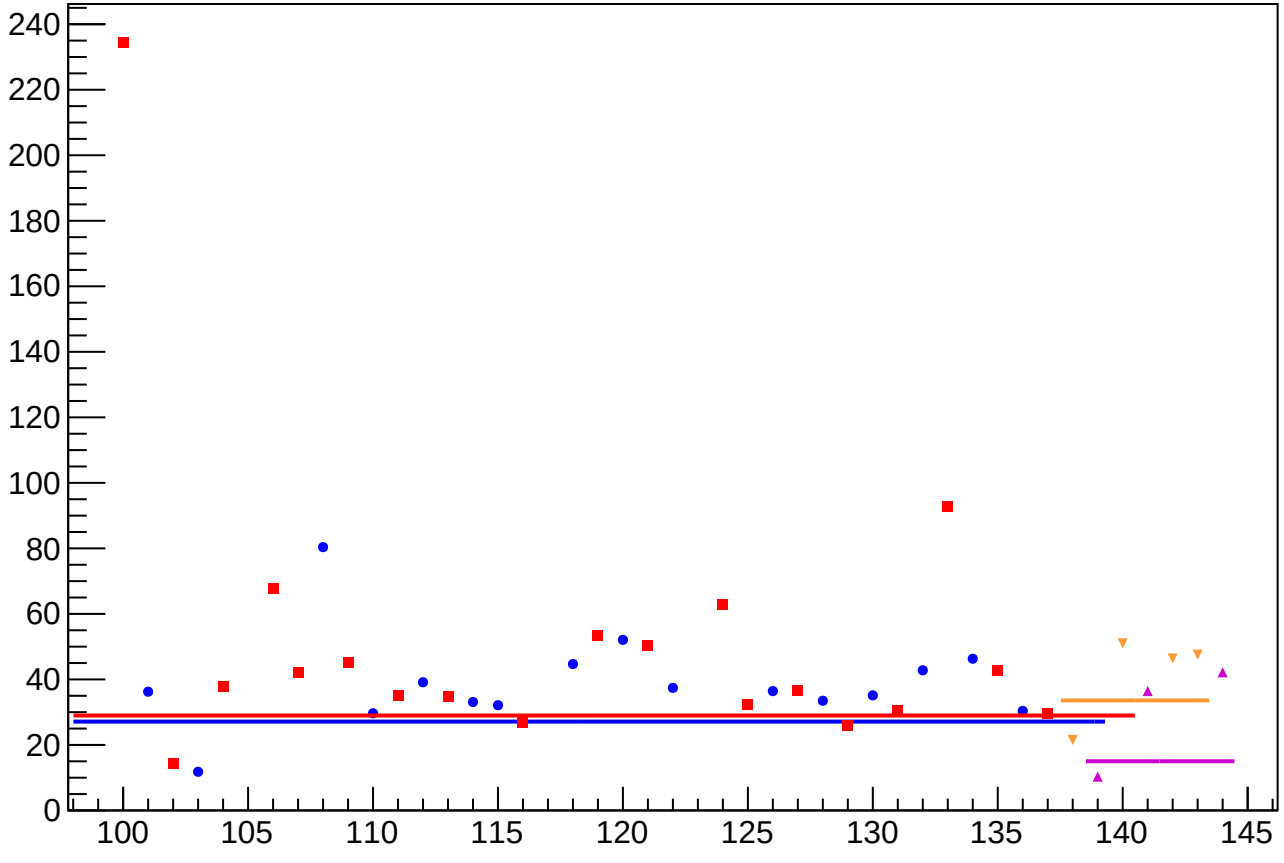
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/18

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.7/41

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: 33.584+/-0.017 χ^2/NDF:665568.6/3

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 15.013+/-0.009 χ^2/NDF:1504106.0/2

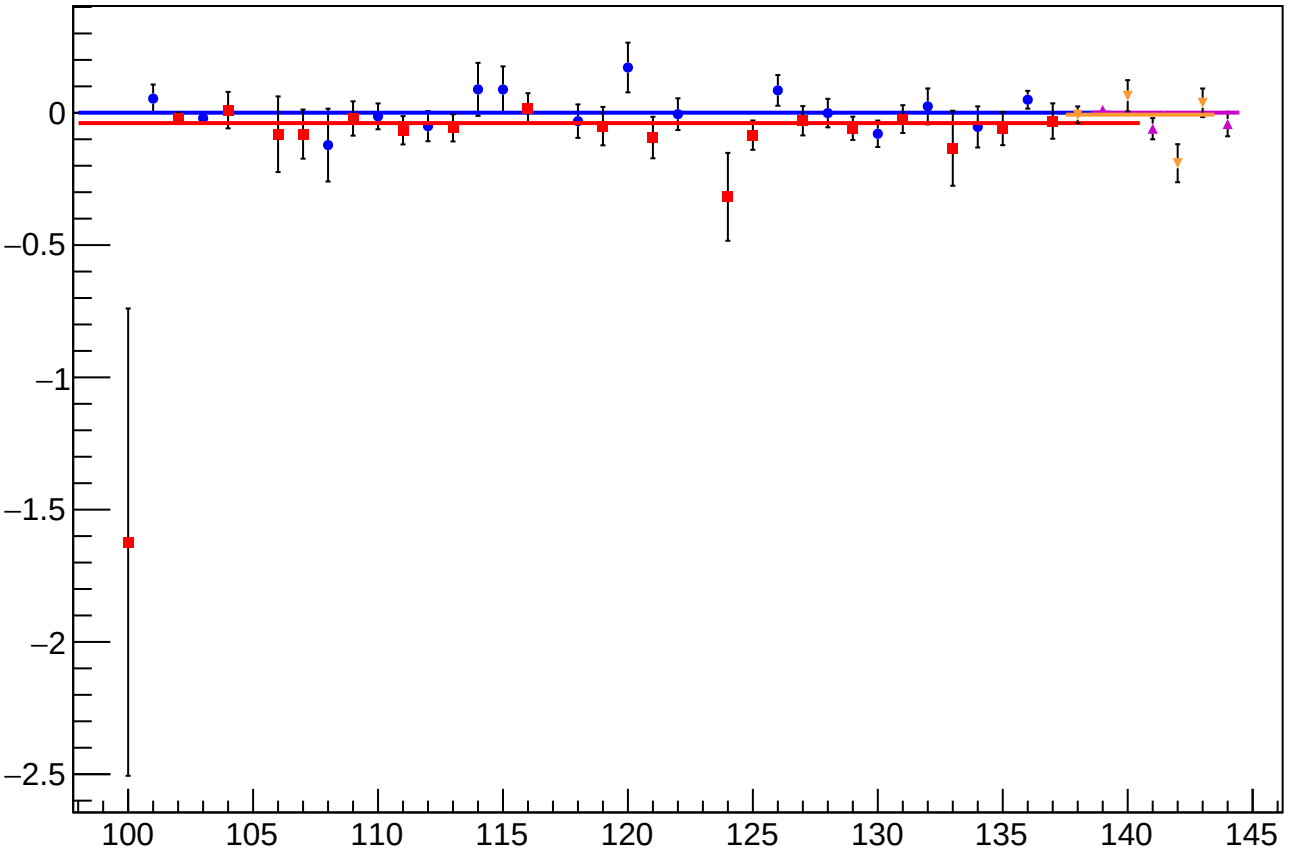
Left: 19.039+/-0.008 χ^2/NDF: 3161822.9/6

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.192+/-0.006 χ^2/NDF:4912999.8/18

Out: 30.025+/-0.008 χ^2/NDF:3181391.9/22

All: 24.498+/-0.005 χ^2/NDF: 8885270.6/41



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/2

Left: -0.001+/-0.011 χ^2/NDF: 12.5/6

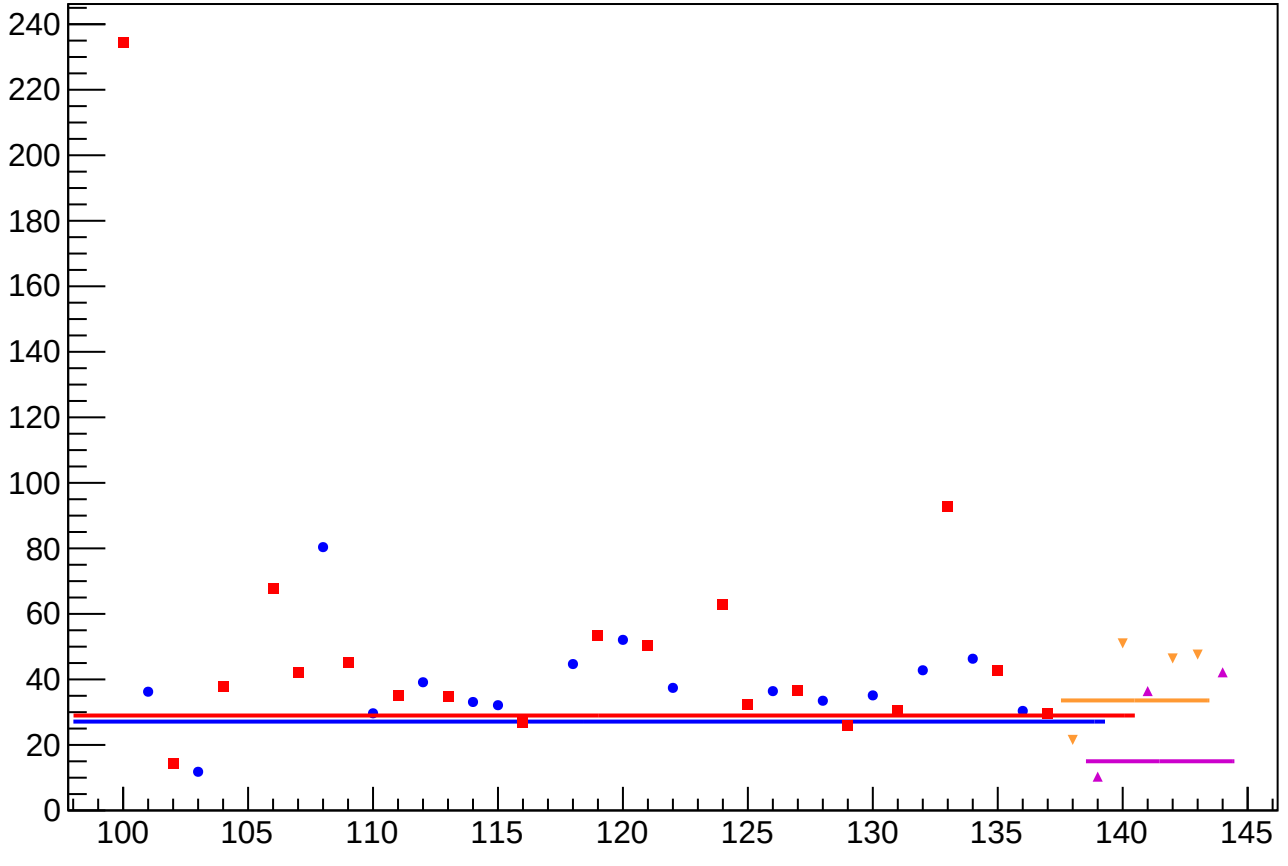
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/18

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.7/41

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: 33.584+/-0.017 χ^2/NDF:665568.6/3

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 15.013+/-0.009 χ^2/NDF:1504106.0/2

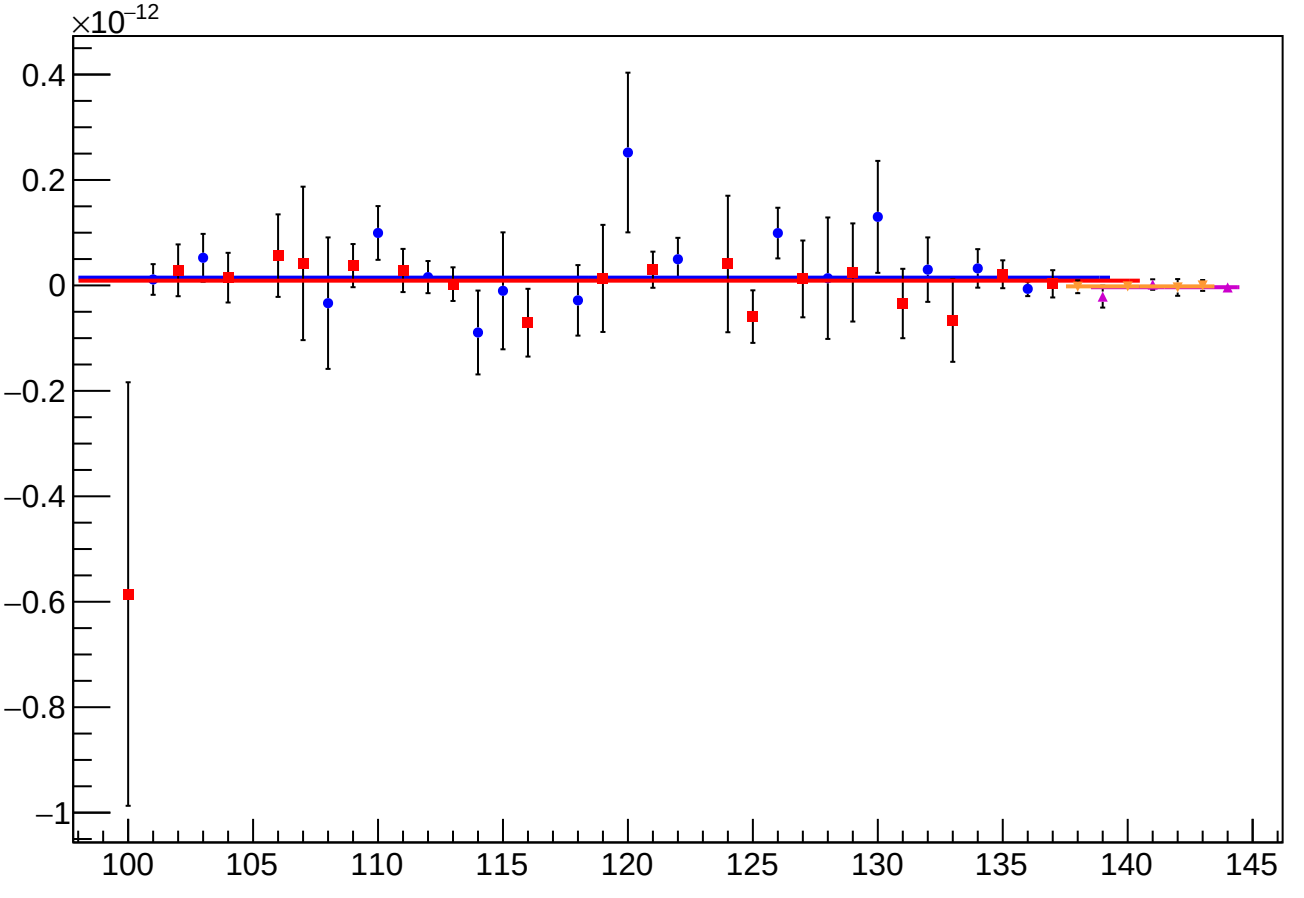
Left: 19.039+/-0.008 χ^2/NDF: 3161822.9/6

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.192+/-0.006 χ^2/NDF:4912999.8/18

Out: 30.025+/-0.008 χ^2/NDF:3181391.9/22

All: 24.498+/-0.005 χ^2/NDF: 8885270.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

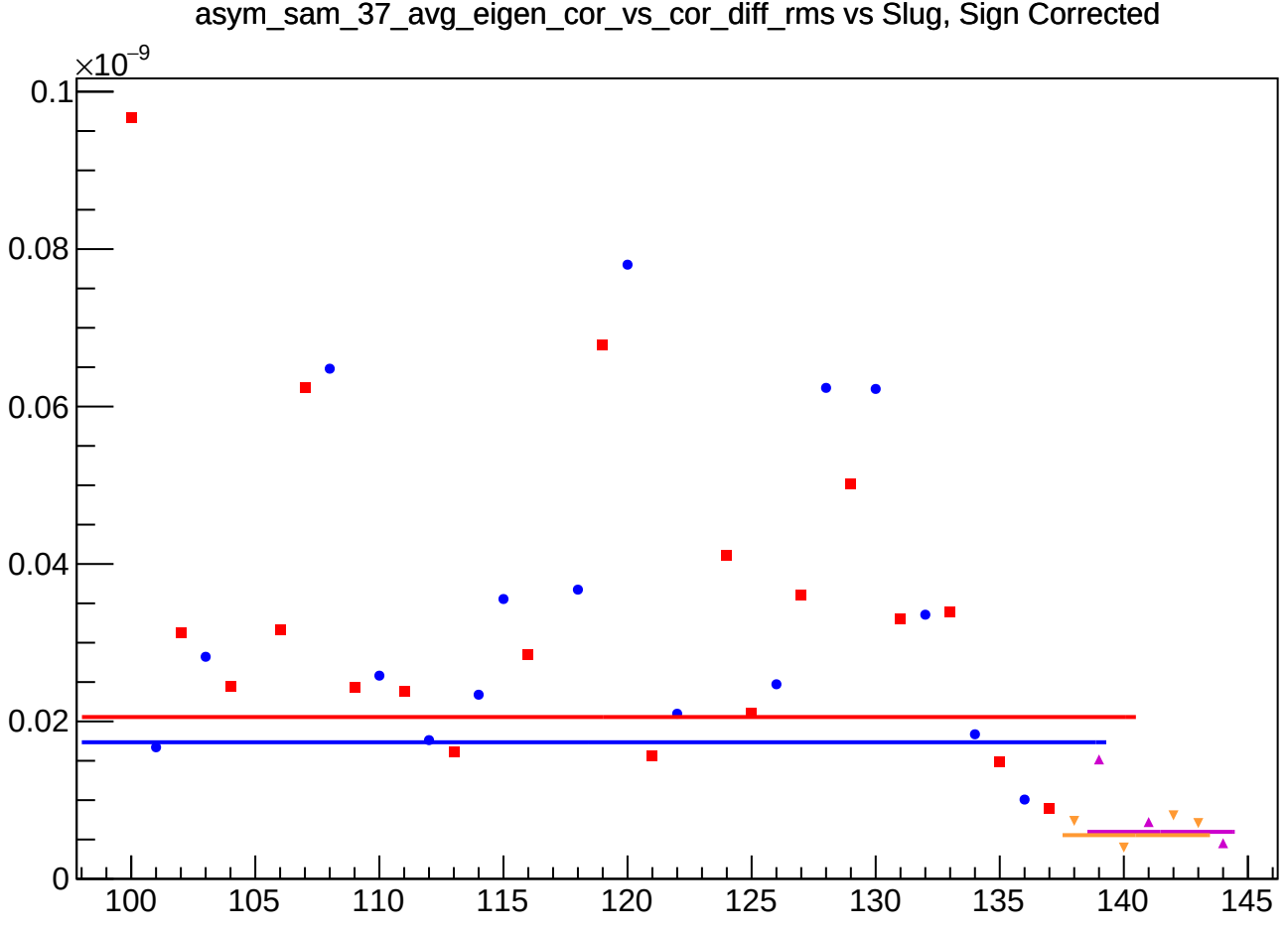
Left: -0.000+/-0.000 χ^2/NDF: 1.1/6

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.8/18

Out: -0.000+/-0.000 χ^2/NDF:9.9/22

All: 0.000+/-0.000 χ^2/NDF: 29.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:254305.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:520352.8/2

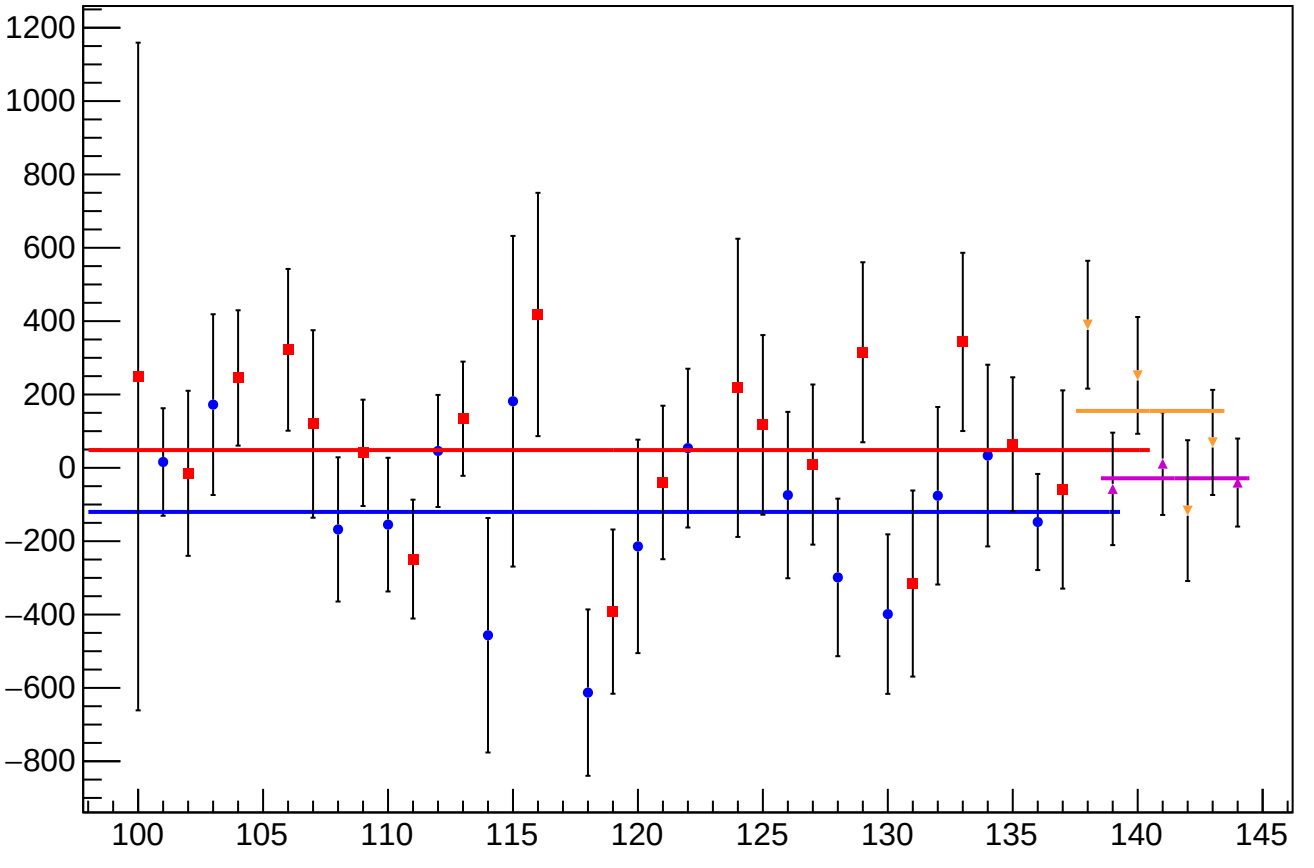
Left: 0.000+/-0.000 χ^2/NDF: 781486.7/6

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5176051.2/18

Out: 0.000+/-0.000 χ^2/NDF:5389809.7/22

All: 0.000+/-0.000 χ^2/NDF: 10586802.6/41



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.204+/-82.140 χ^2/NDF:4.6/3

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: -28.467+/-78.320 χ^2/NDF:0.1/2

Left: 58.999+/-56.683 χ^2/NDF: 7.3/6

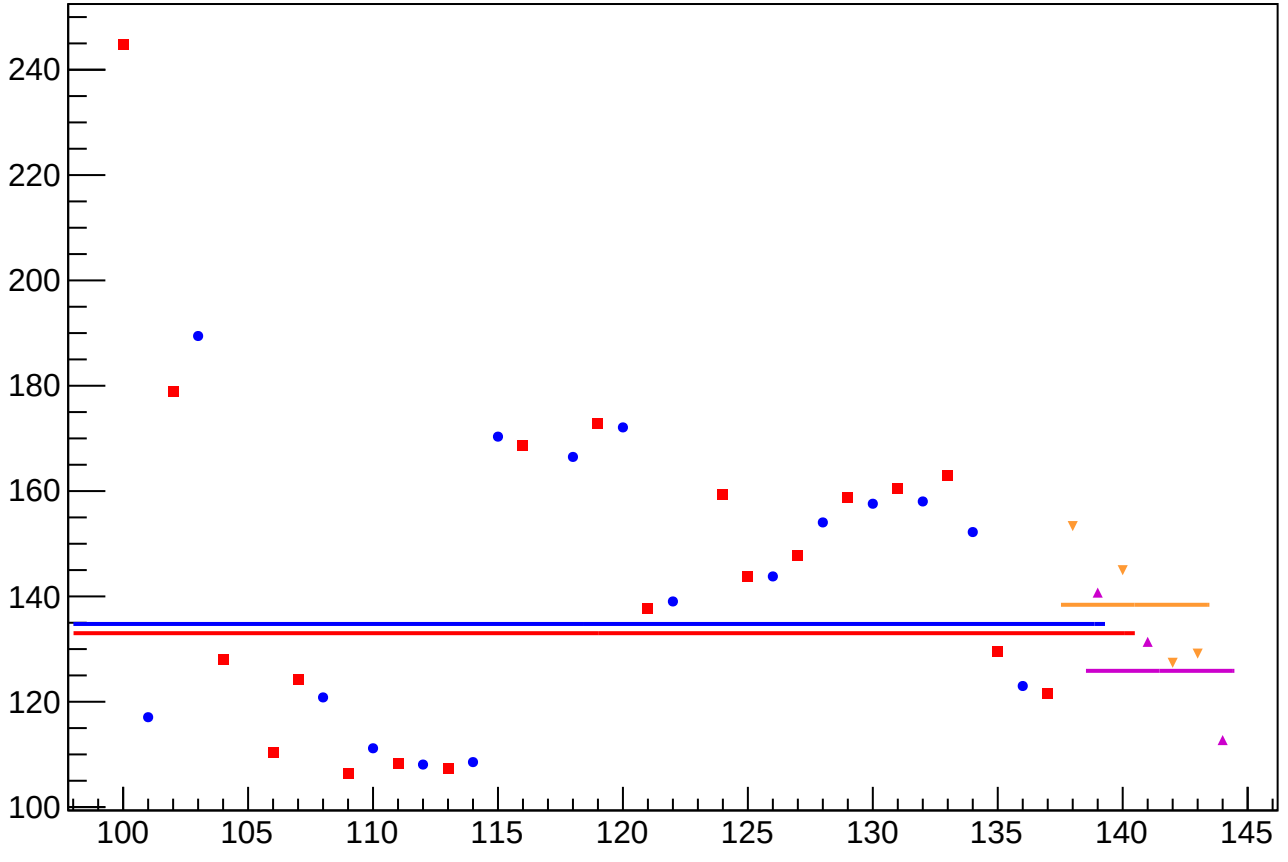
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -92.778+/-42.798 χ^2/NDF:14.5/18

Out: 77.235+/-42.653 χ^2/NDF:22.8/22

All: -7.483+/-30.212 χ^2/NDF: 45.2/41

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

Left: 131.843+/-0.040 χ^2/NDF: 103346.7/6

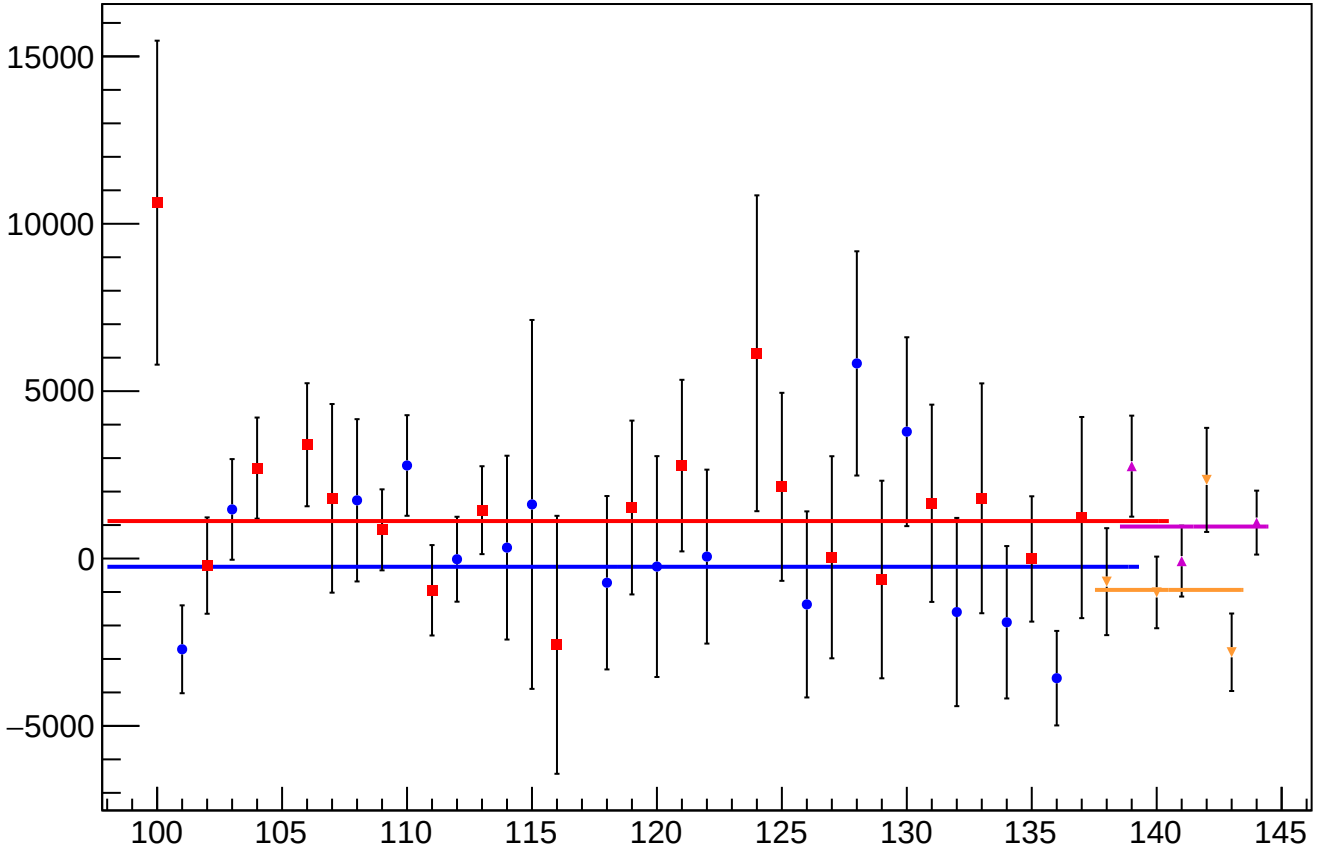
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 132.113+/-0.030 χ^2/NDF:480777.4/18

Out: 134.474+/-0.030 χ^2/NDF:535055.5/22

All: 133.297+/-0.021 χ^2/NDF: 1018885.2/41

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -937.169+/-642.155 χ^2/NDF:7.1/3

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 955.411+/-641.786 χ^2/NDF:2.4/2

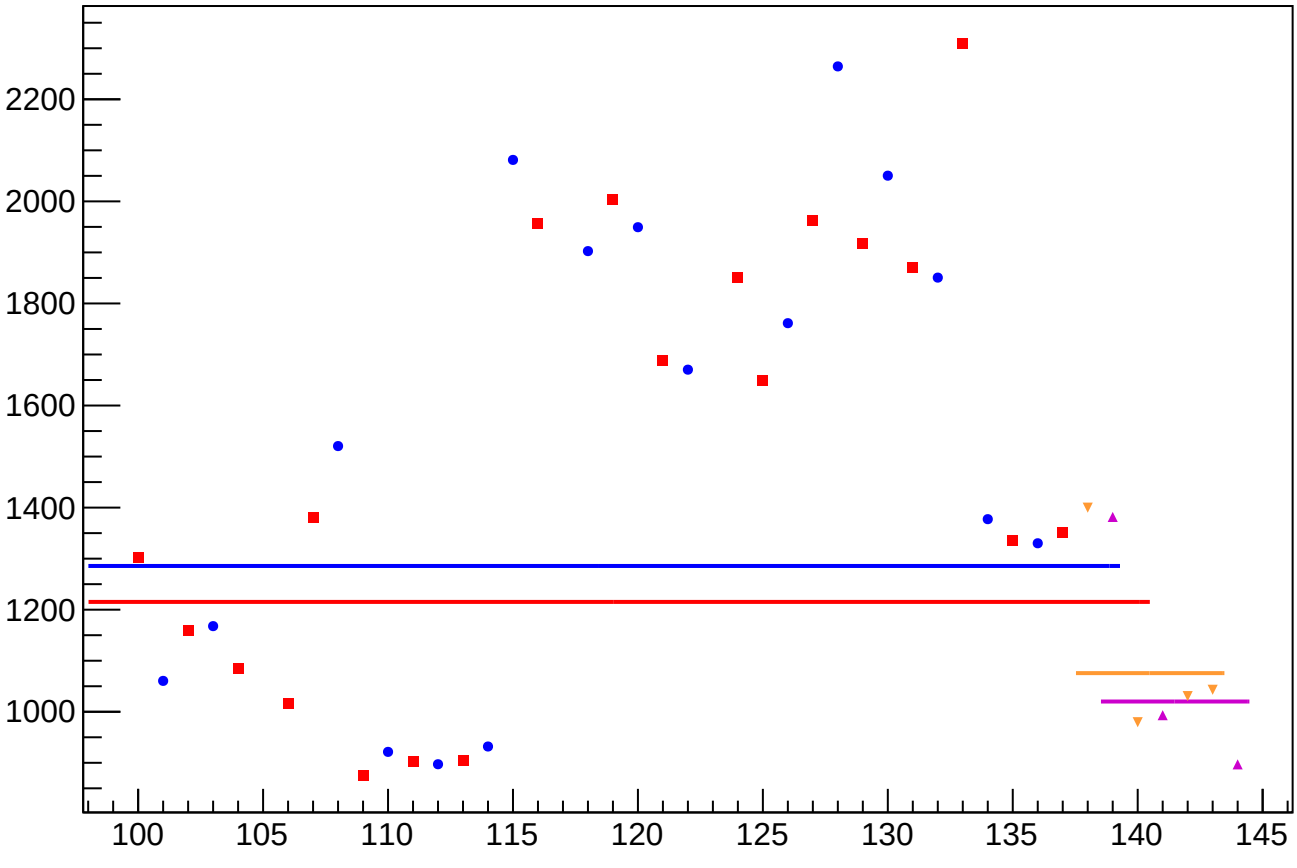
Left: 9.665+/-453.942 χ^2/NDF: 13.8/6

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 209.154+/-395.121 χ^2/NDF:26.2/18

Out: 405.208+/-378.425 χ^2/NDF:27.2/22

All: 311.410+/-273.299 χ^2/NDF: 53.5/41



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.5/3

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1020.070+/-0.454 χ^2/NDF:149416.6/2

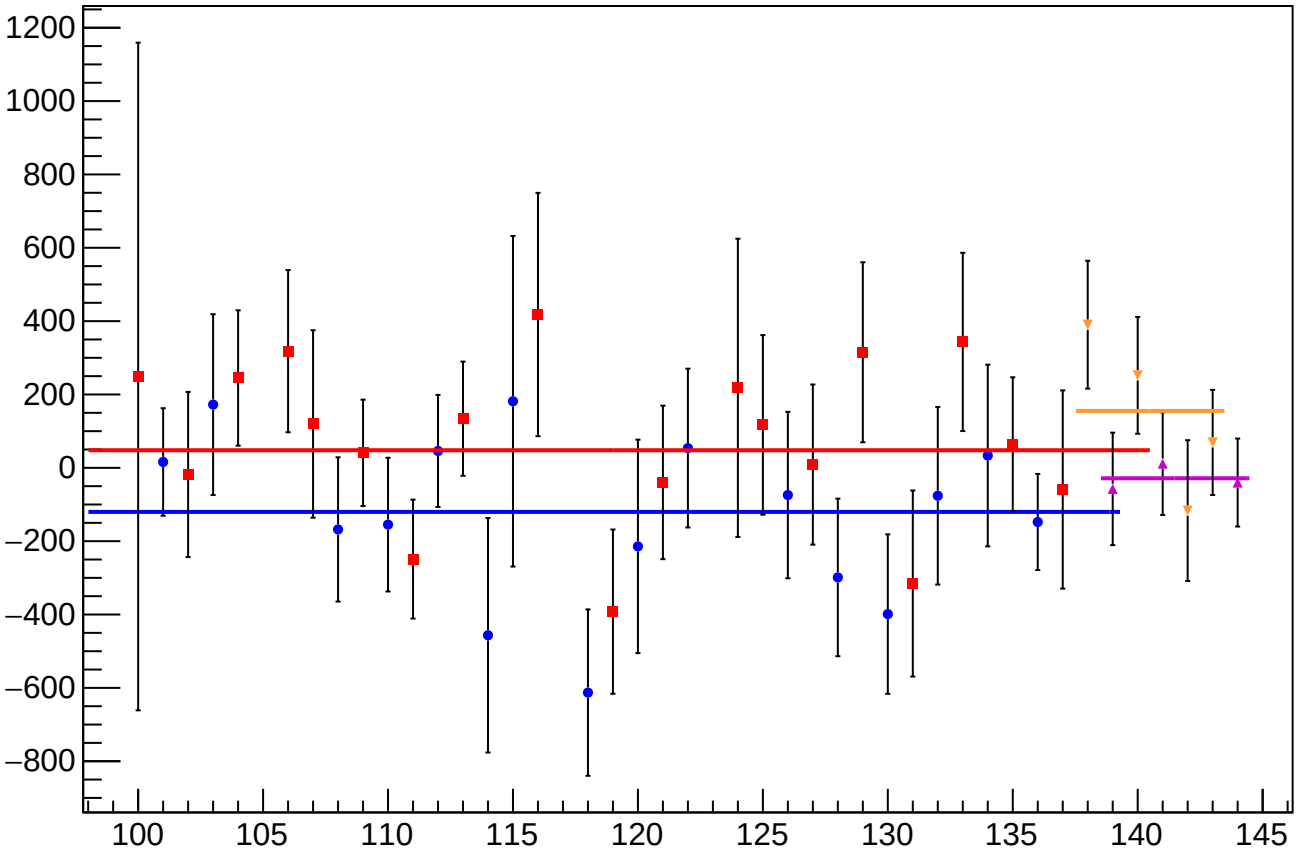
Left: 1047.875+/-0.321 χ^2/NDF: 258713.1/6

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1184.997+/-0.279 χ^2/NDF:1532553.2/18

Out: 1166.783+/-0.268 χ^2/NDF:1549703.9/22

All: 1175.497+/-0.193 χ^2/NDF: 3084473.9/41



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.219+/-82.140 χ^2/NDF:4.6/3

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -28.459+/-78.320 χ^2/NDF:0.1/2

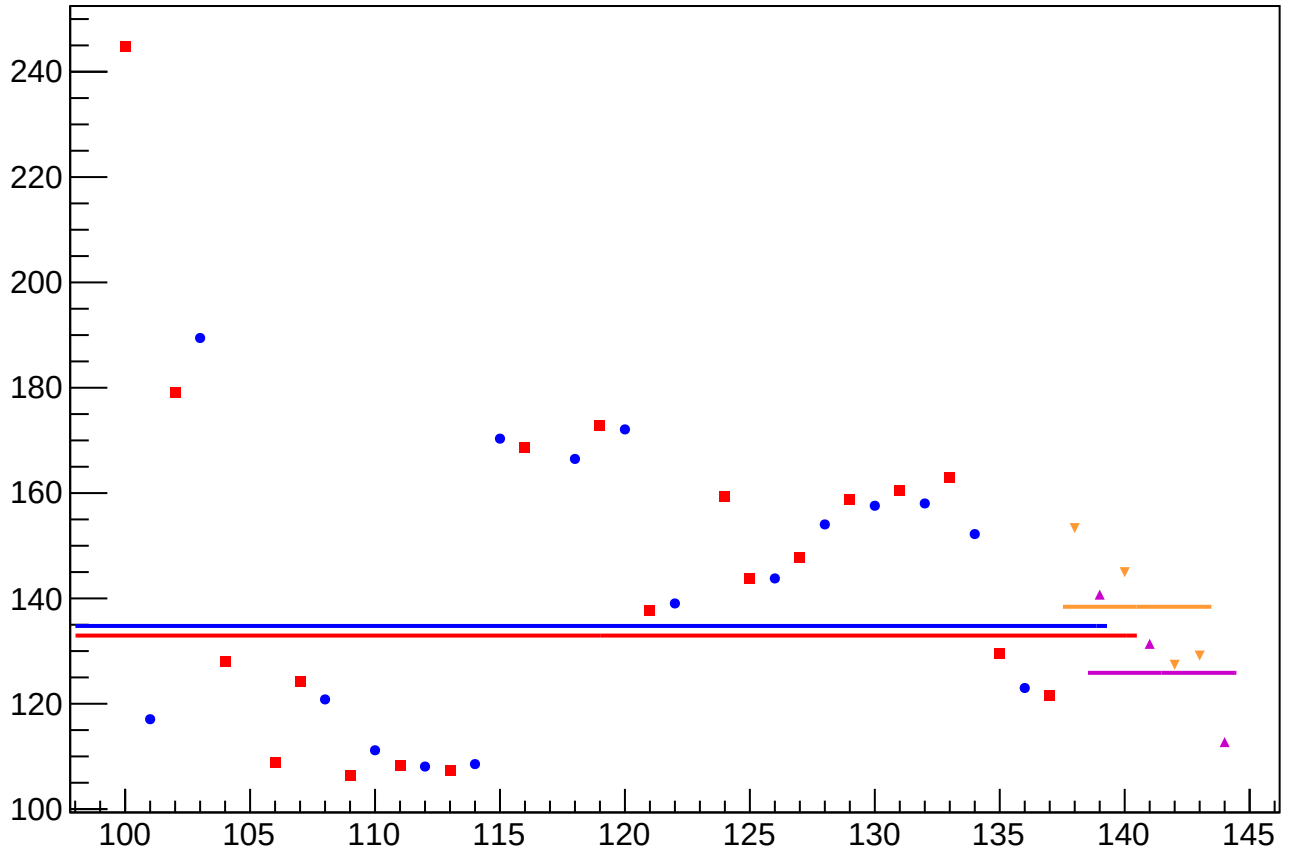
Left: 59.010+/-56.683 χ^2/NDF: 7.3/6

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -92.784+/-42.798 χ^2/NDF:14.5/18

Out: 76.928+/-42.659 χ^2/NDF:22.8/22

All: -7.651+/-30.214 χ^2/NDF: 45.1/41



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

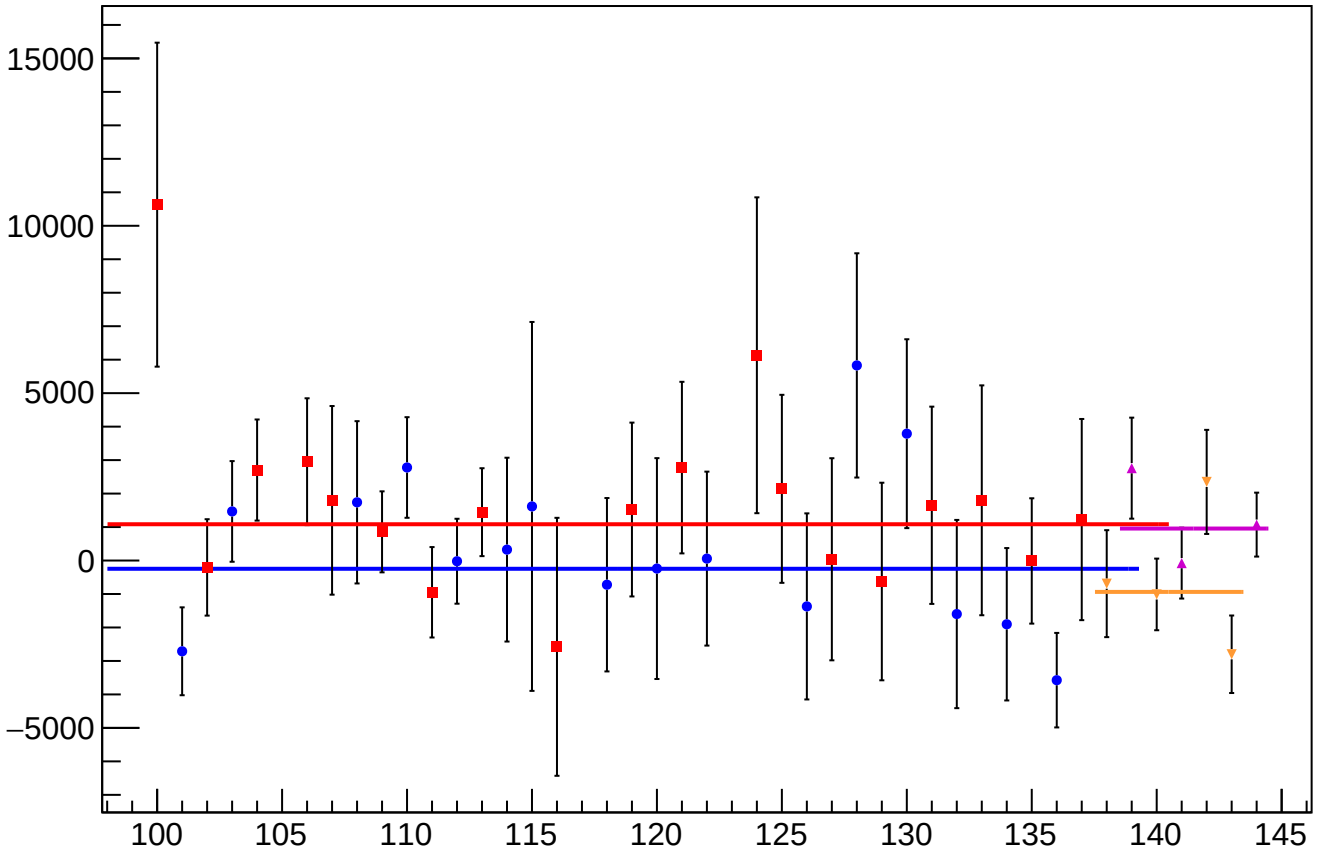
Left: 131.843+/-0.040 χ^2/NDF: 103346.7/6

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 132.113+/-0.030 χ^2/NDF:480780.6/18

Out: 134.421+/-0.030 χ^2/NDF:538358.5/22

All: 133.271+/-0.021 χ^2/NDF: 1022056.8/41



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -937.148+/-642.155 χ^2/NDF:7.1/3

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 955.431+/-641.786 χ^2/NDF:2.4/2

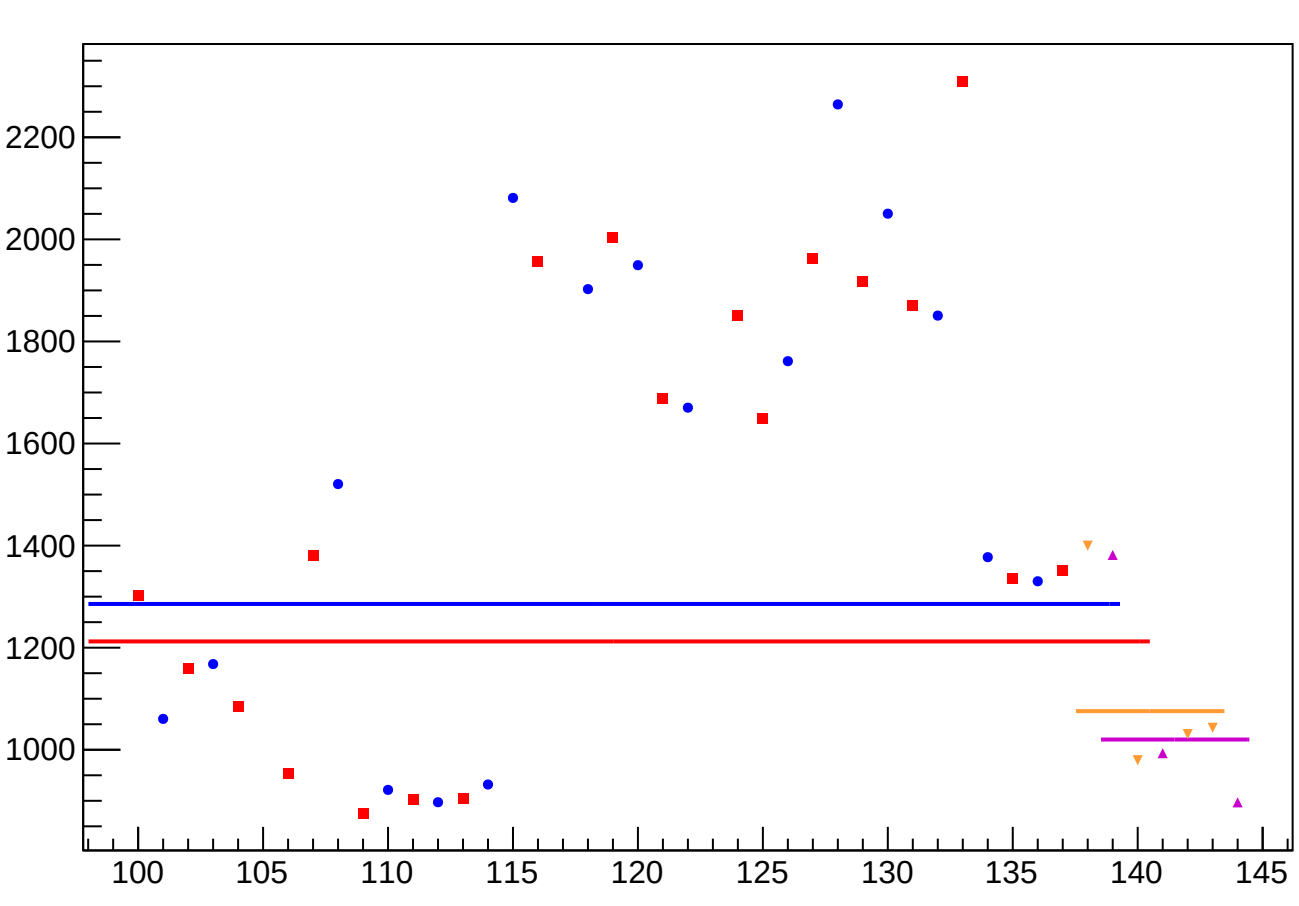
Left: 9.685+/-453.942 χ^2/NDF: 13.8/6

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 209.123+/-395.123 χ^2/NDF:26.2/18

Out: 380.350+/-378.912 χ^2/NDF:26.3/22

All: 298.321+/-273.483 χ^2/NDF: 52.6/41



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1020.071+/-0.454 χ^2/NDF:149415.6/2

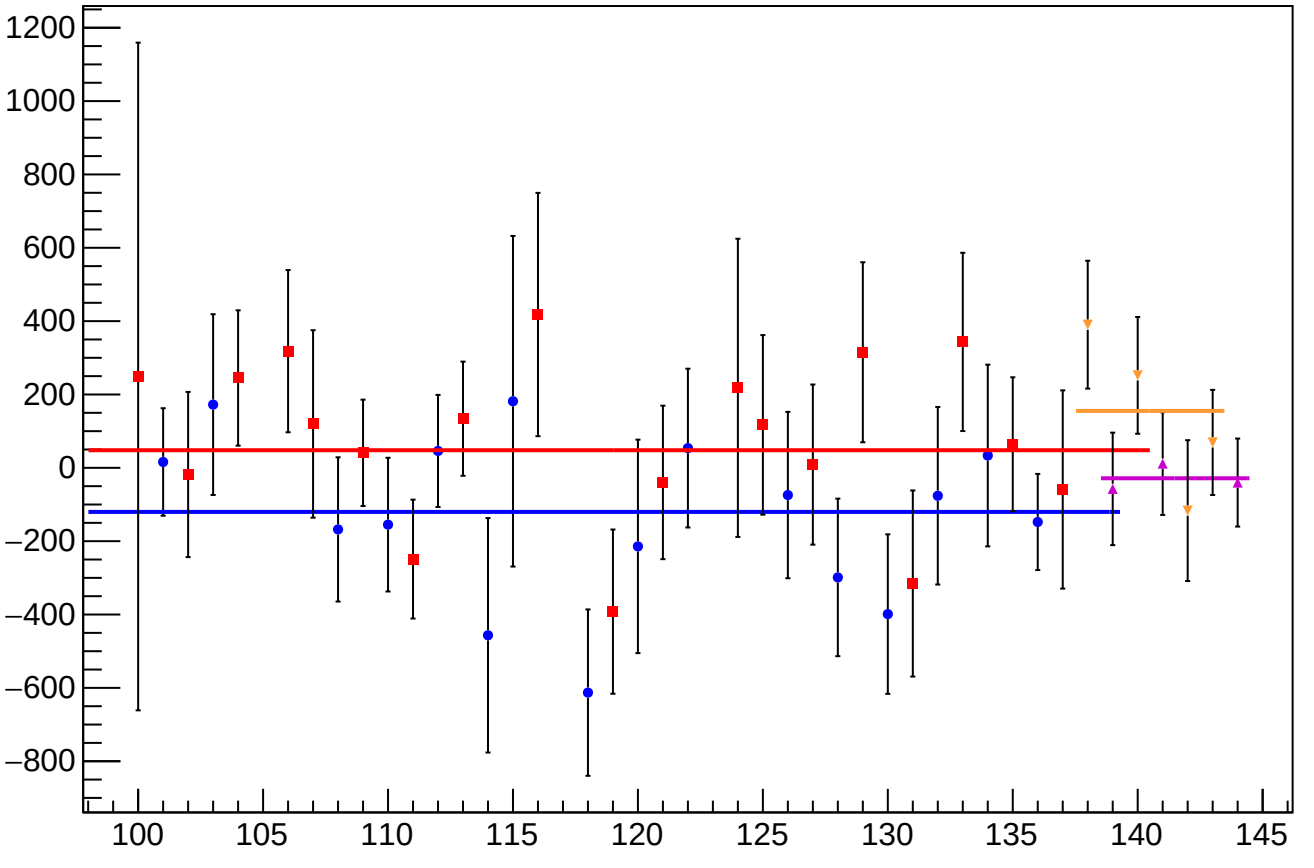
Left: 1047.875+/-0.321 χ^2/NDF: 258711.7/6

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.005+/-0.279 χ^2/NDF:1532546.3/18

Out: 1164.727+/-0.268 χ^2/NDF:1561380.2/22

All: 1174.442+/-0.193 χ^2/NDF: 3096670.5/41



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.219+/-82.140 χ^2/NDF:4.6/3

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -28.459+/-78.320 χ^2/NDF:0.1/2

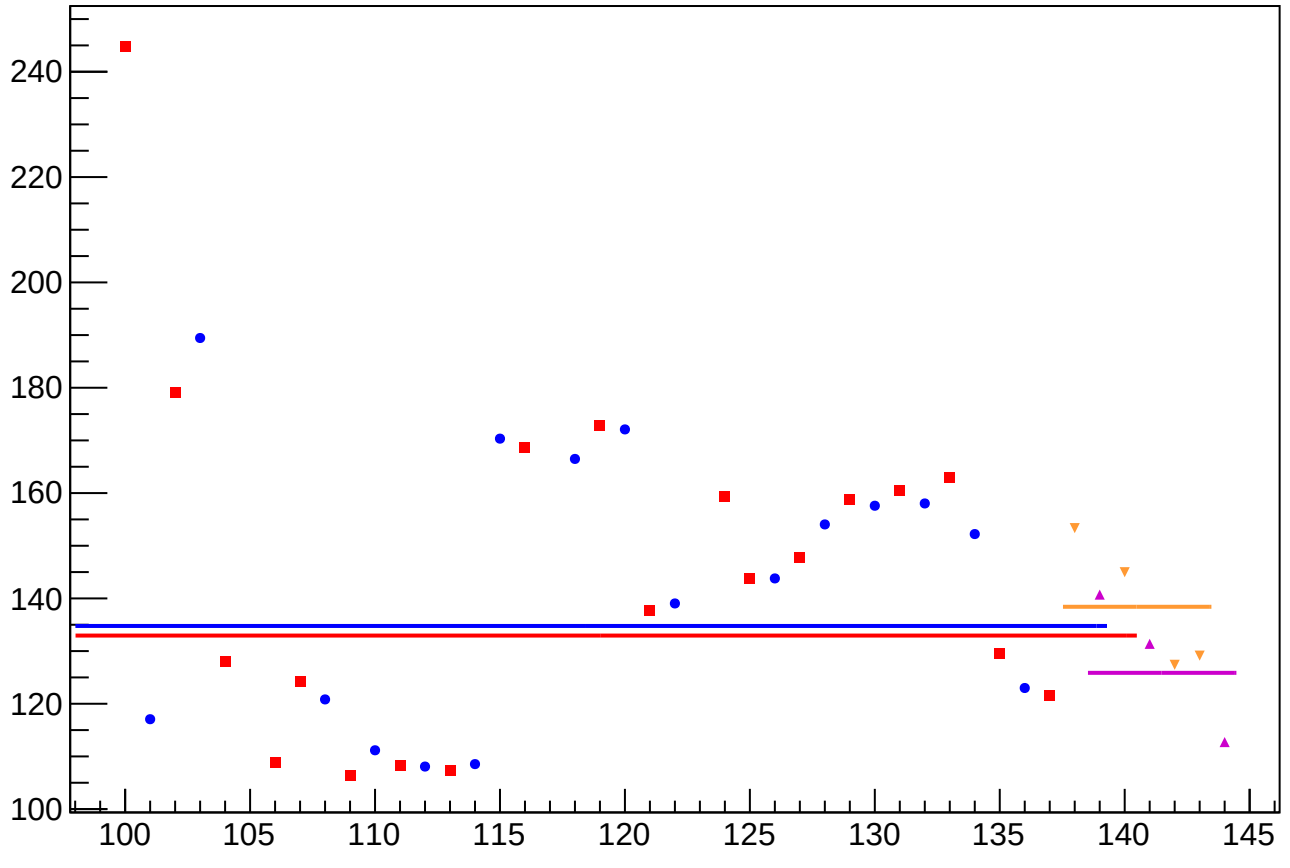
Left: 59.010+/-56.683 χ^2/NDF: 7.3/6

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -92.784+/-42.798 χ^2/NDF:14.5/18

Out: 76.928+/-42.659 χ^2/NDF:22.8/22

All: -7.651+/-30.214 χ^2/NDF: 45.1/41



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.870+/-0.055 χ^2/NDF:45878.5/2

Left: 131.843+/-0.040 χ^2/NDF: 103346.7/6

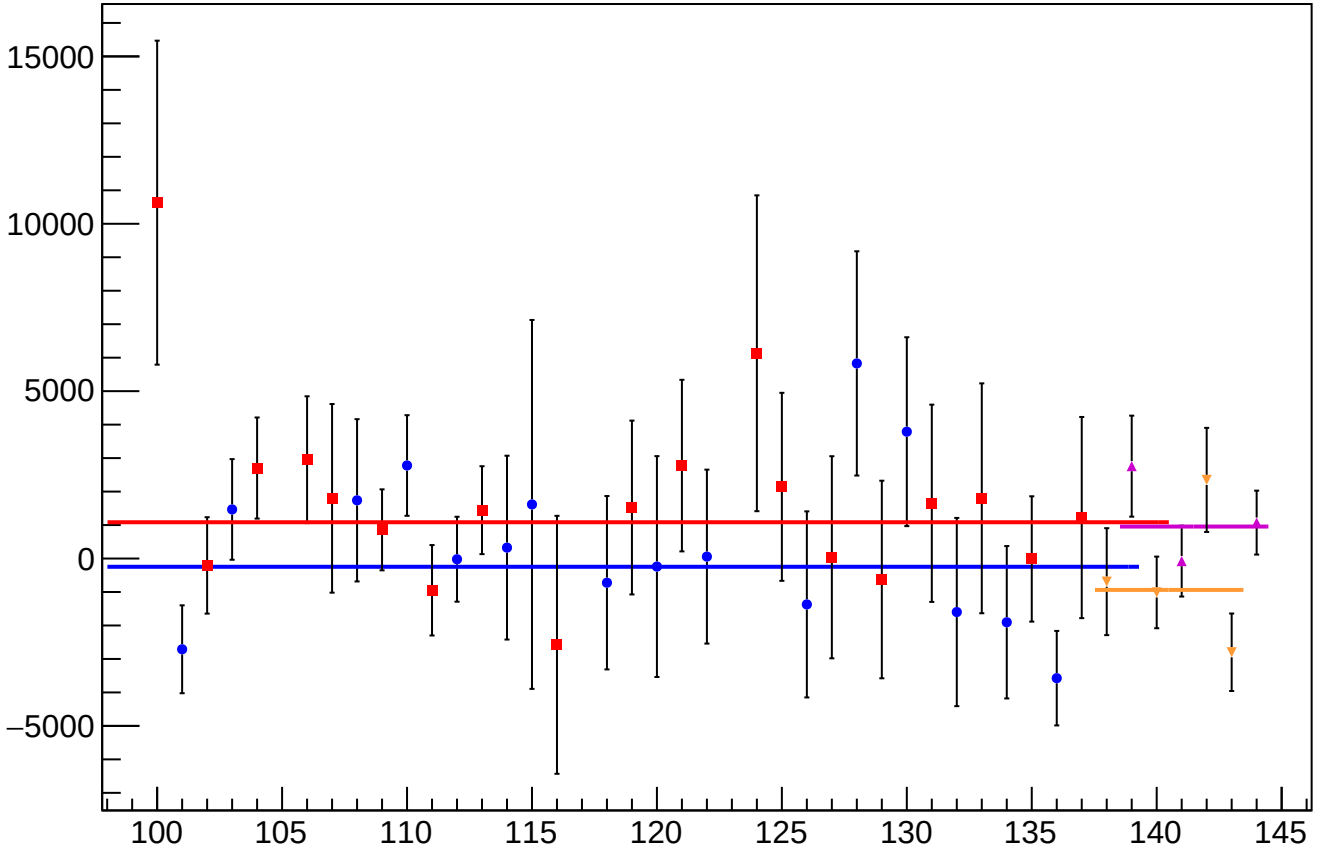
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 132.113+/-0.030 χ^2/NDF:480780.6/18

Out: 134.421+/-0.030 χ^2/NDF:538358.5/22

All: 133.271+/-0.021 χ^2/NDF: 1022056.8/41

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: -937.148+/-642.155 χ^2/NDF:7.1/3

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 955.431+/-641.786 χ^2/NDF:2.4/2

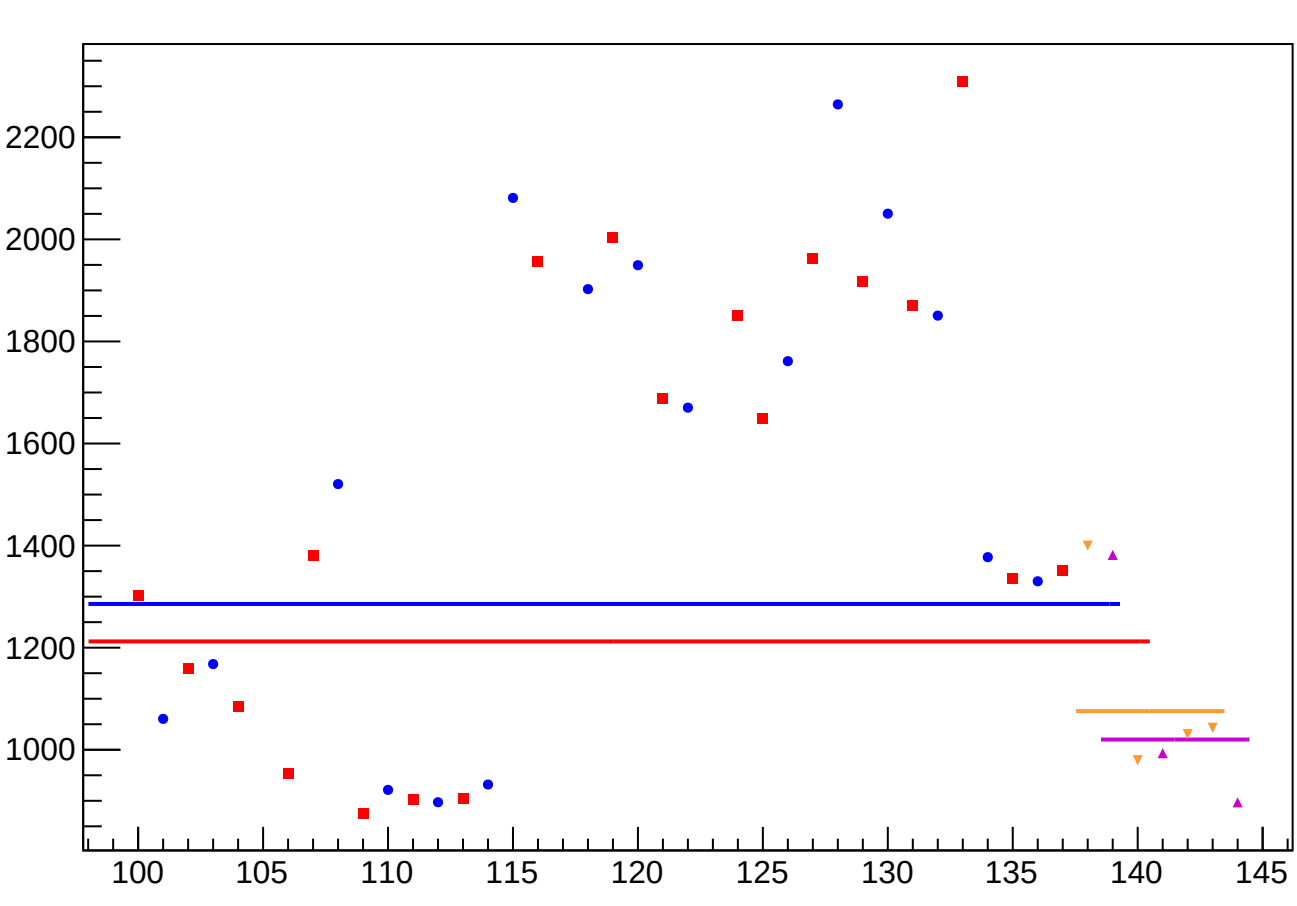
Left: 9.685+/-453.942 χ^2/NDF: 13.8/6

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 209.123+/-395.123 χ^2/NDF:26.2/18

Out: 380.350+/-378.912 χ^2/NDF:26.3/22

All: 298.321+/-273.483 χ^2/NDF: 52.6/41



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1020.071+/-0.454 χ^2/NDF:149415.6/2

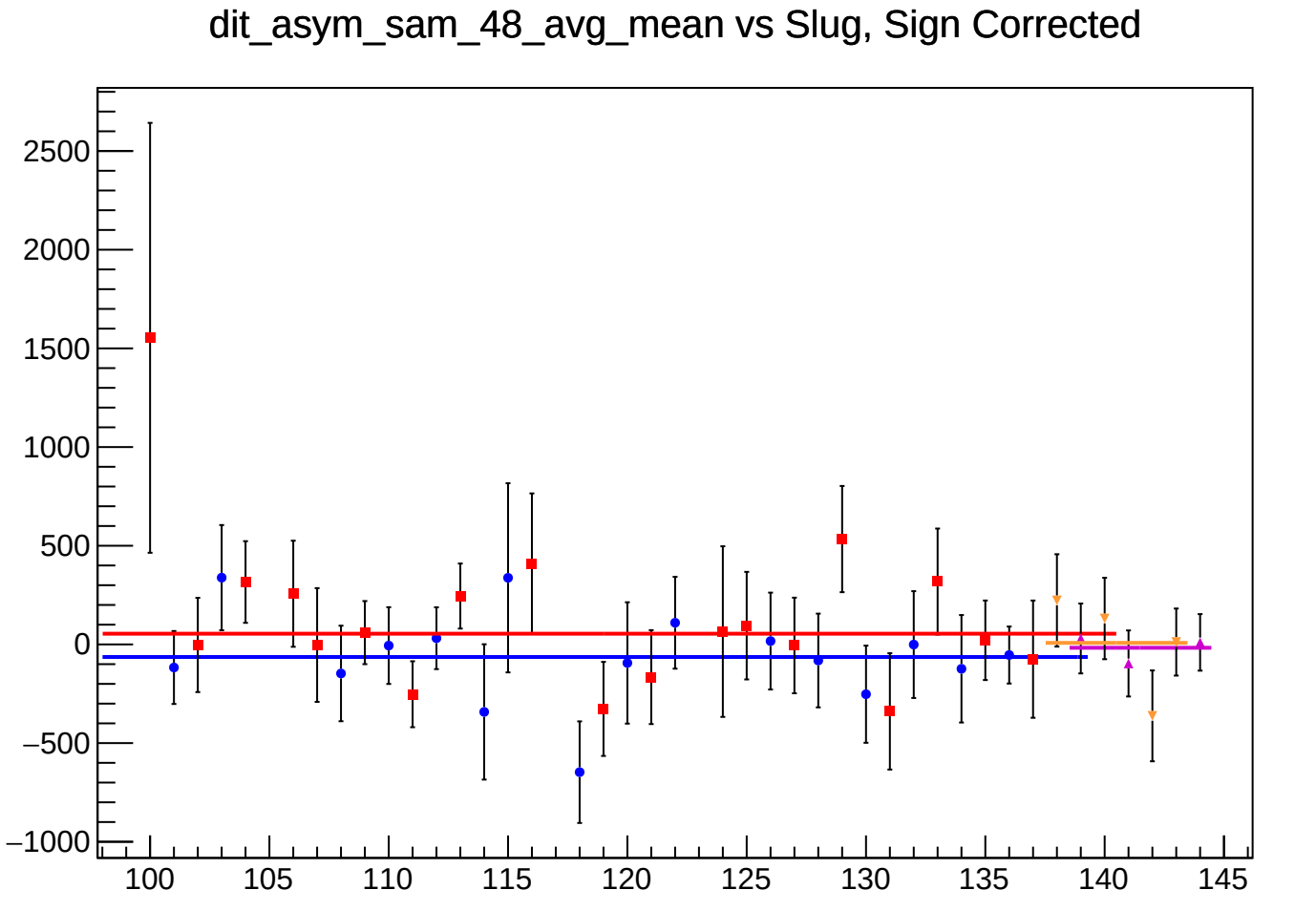
Left: 1047.875+/-0.321 χ^2/NDF: 258711.7/6

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1185.005+/-0.279 χ^2/NDF:1532546.3/18

Out: 1164.727+/-0.268 χ^2/NDF:1561380.2/22

All: 1174.442+/-0.193 χ^2/NDF: 3096670.5/41



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.802+/-102.443 χ^2/NDF:3.8/3

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: -17.063+/-92.707 χ^2/NDF:0.3/2

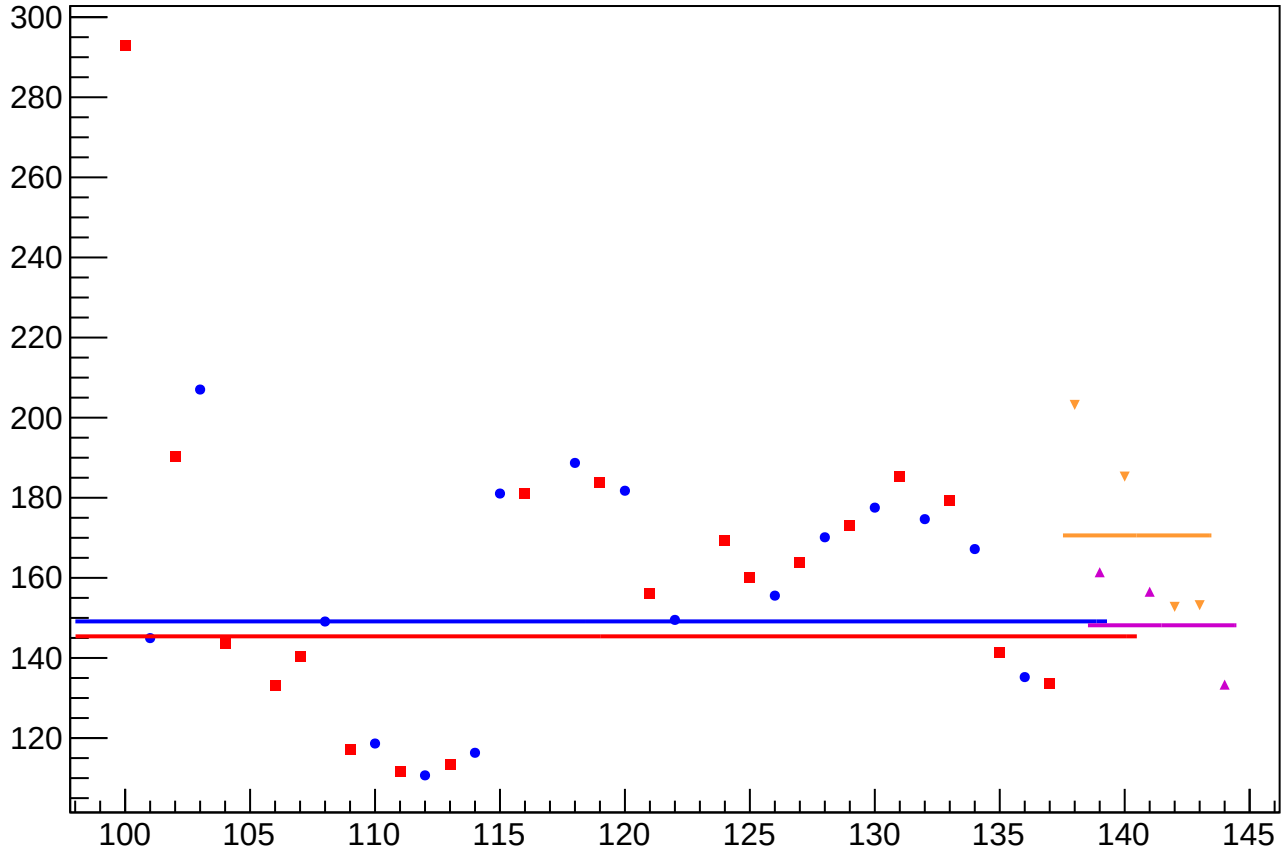
Left: -5.868+/-68.739 χ^2/NDF: 4.2/6

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -51.052+/-48.391 χ^2/NDF:11.3/18

Out: 43.975+/-48.281 χ^2/NDF:23.5/22

All: -3.430+/-34.179 χ^2/NDF: 36.7/41



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 170.598+/-0.072 χ^2/NDF:81976.3/3

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 148.159+/-0.066 χ^2/NDF:37601.1/2

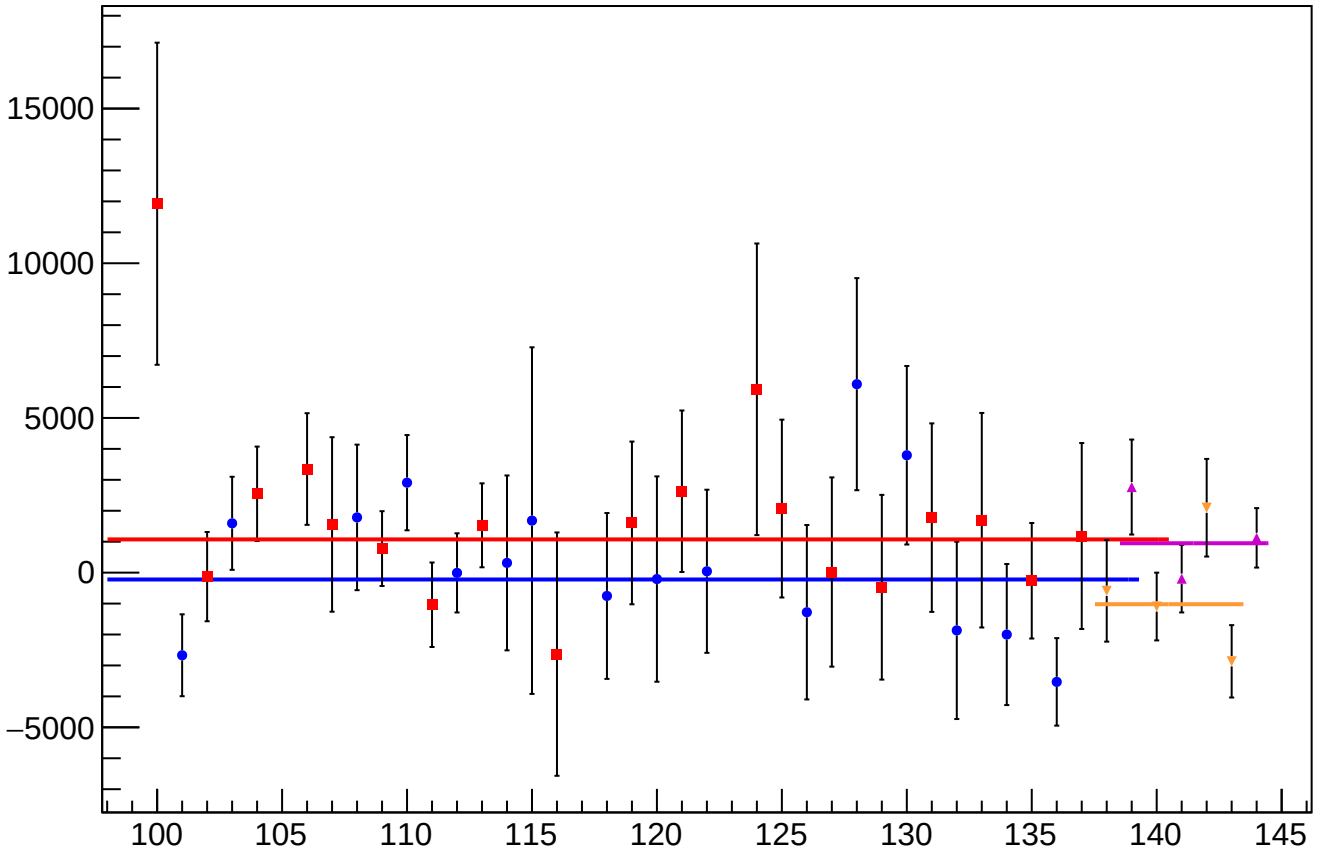
Left: 158.262+/-0.049 χ^2/NDF: 172331.1/6

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 148.866+/-0.034 χ^2/NDF:488764.4/18

Out: 150.997+/-0.034 χ^2/NDF:701930.0/22

All: 149.934+/-0.024 χ^2/NDF: 1192637.8/41



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.143 χ^2/NDF:6.5/3

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 949.933+/-652.949 χ^2/NDF:2.5/2

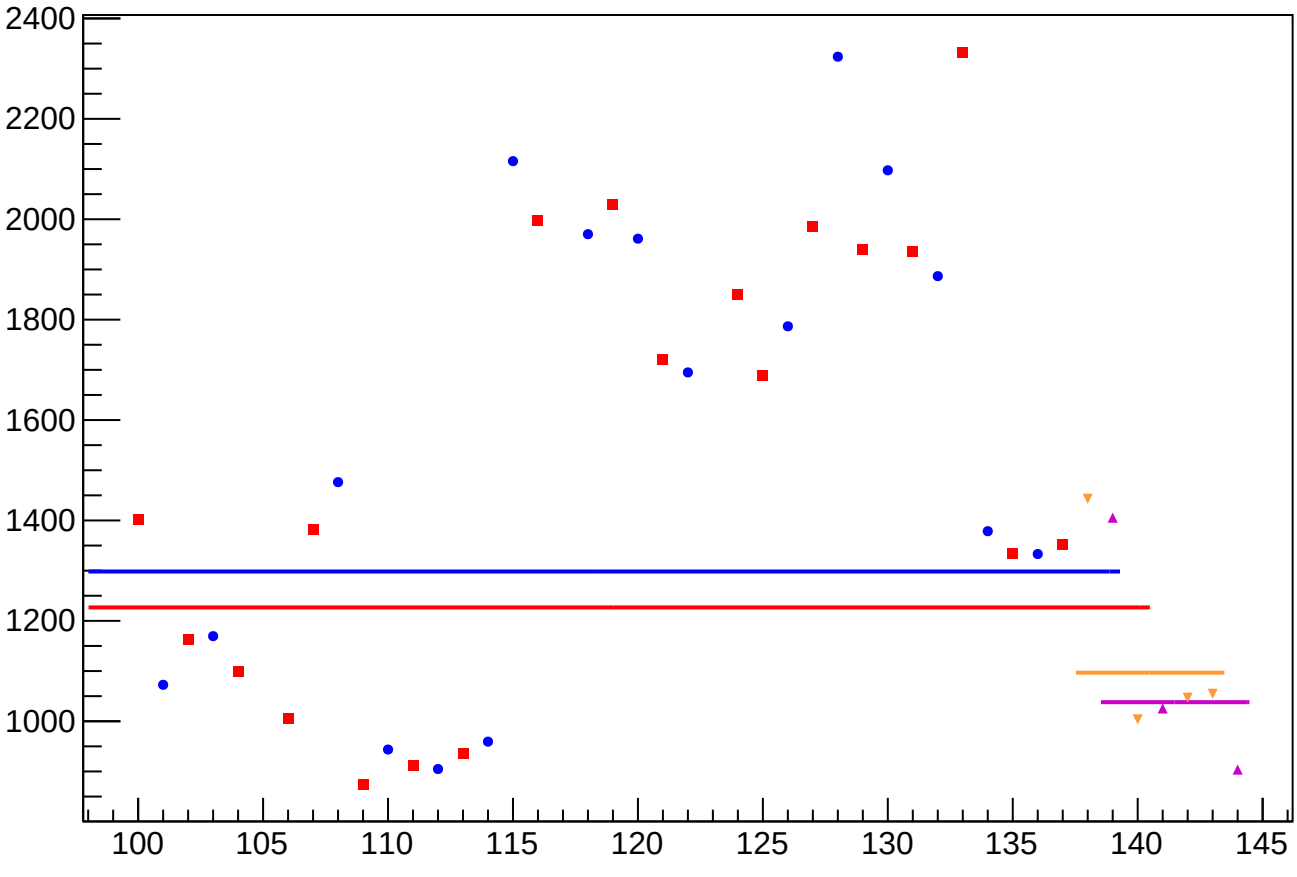
Left: -33.414+/-462.126 χ^2/NDF: 13.5/6

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 218.416+/-400.060 χ^2/NDF:26.4/18

Out: 355.581+/-383.197 χ^2/NDF:26.8/22

All: 289.950+/-276.731 χ^2/NDF: 53.3/41



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1096.821+/-0.463 χ^2/NDF:107996.5/3

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1038.019+/-0.462 χ^2/NDF:153901.6/2

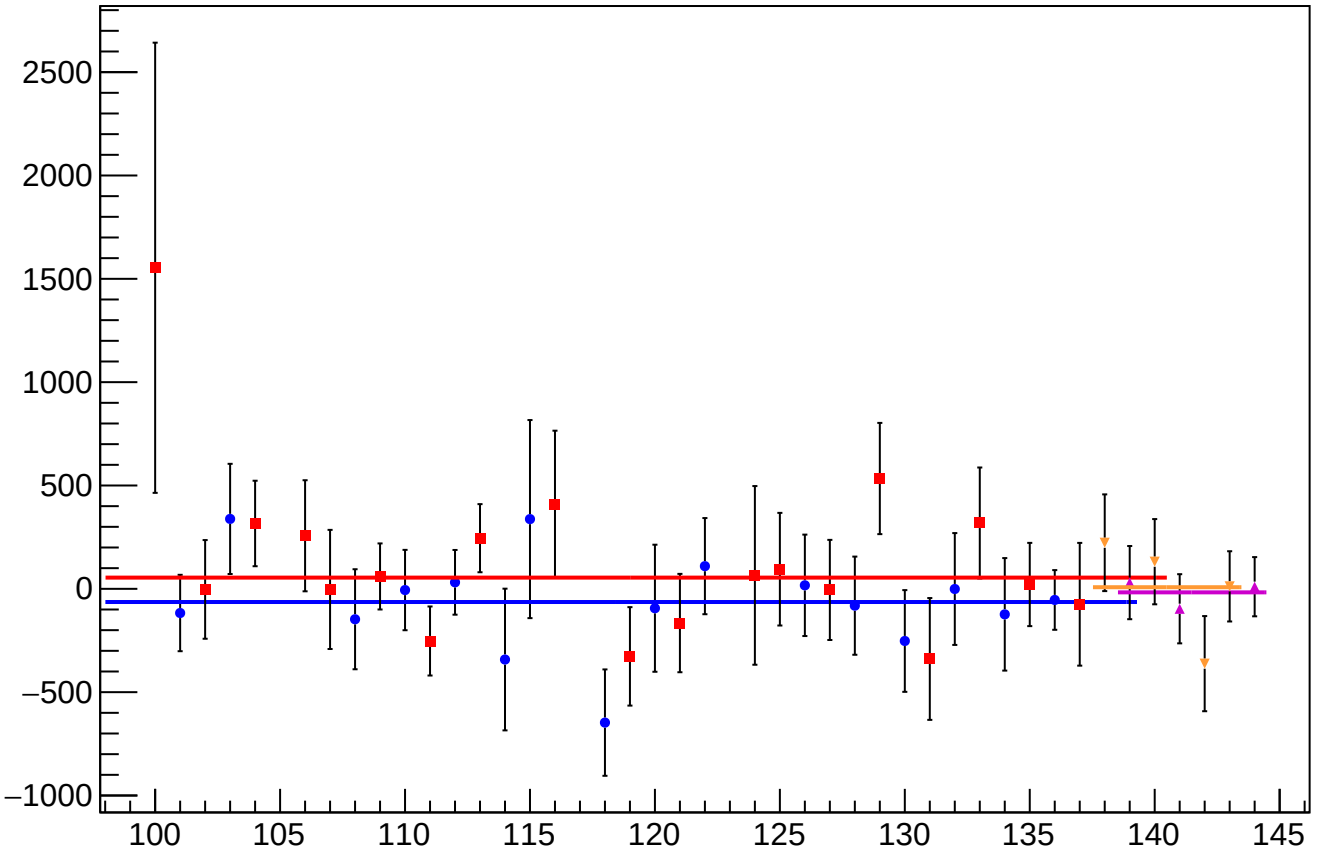
Left: 1067.366+/-0.327 χ^2/NDF: 269993.3/6

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1200.587+/-0.283 χ^2/NDF:1534513.7/18

Out: 1182.149+/-0.271 χ^2/NDF:1564328.3/22

All: 1190.971+/-0.196 χ^2/NDF: 3101057.5/41



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.804+/-102.443 χ^2/NDF:3.8/3

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: -17.062+/-92.708 χ^2/NDF:0.3/2

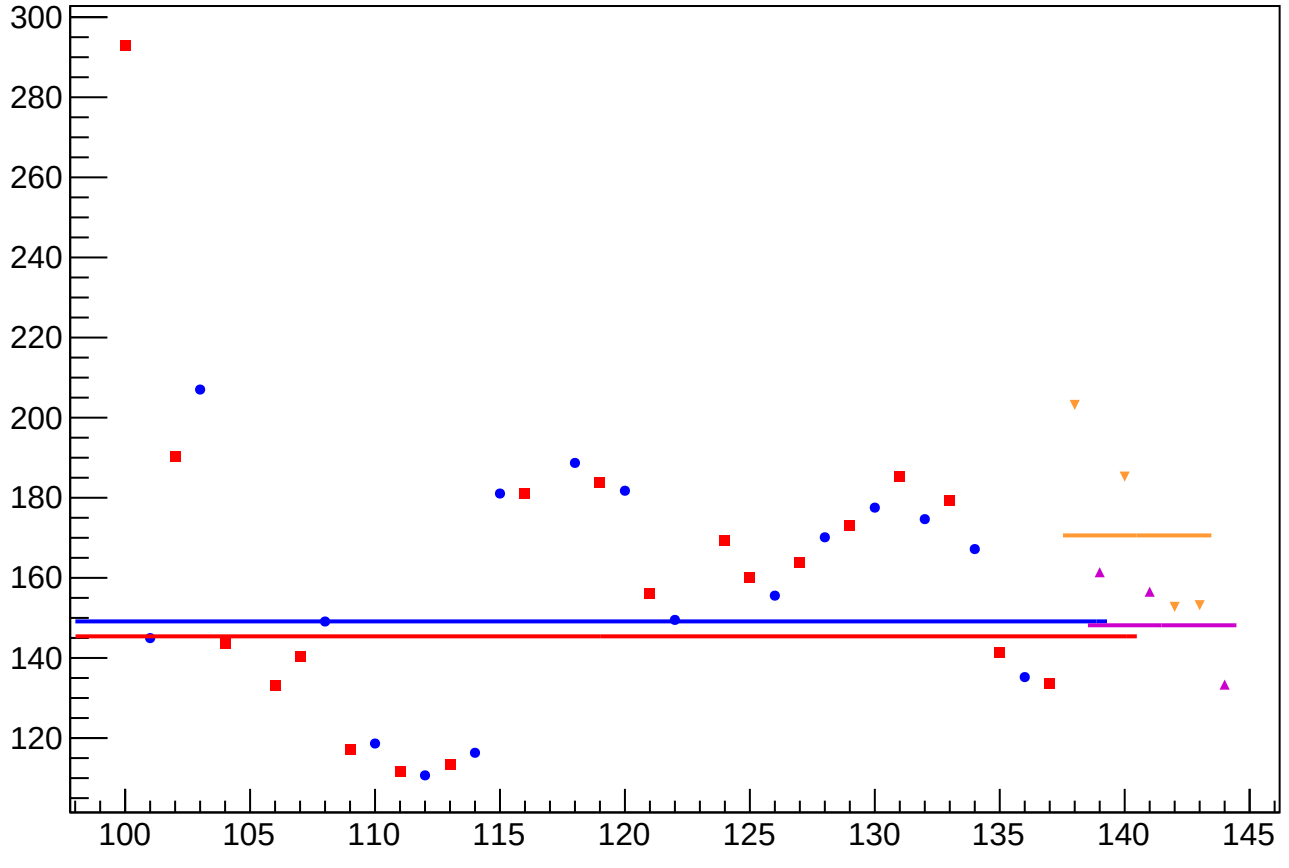
Left: -5.867+/-68.739 χ^2/NDF: 4.2/6

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -51.050+/-48.391 χ^2/NDF:11.3/18

Out: 43.975+/-48.281 χ^2/NDF:23.5/22

All: -3.429+/-34.179 χ^2/NDF: 36.7/41



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 170.598+/-0.072 χ^2/NDF:81973.8/3

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 148.159+/-0.066 χ^2/NDF:37599.3/2

Left: 158.262+/-0.049 χ^2/NDF: 172326.9/6

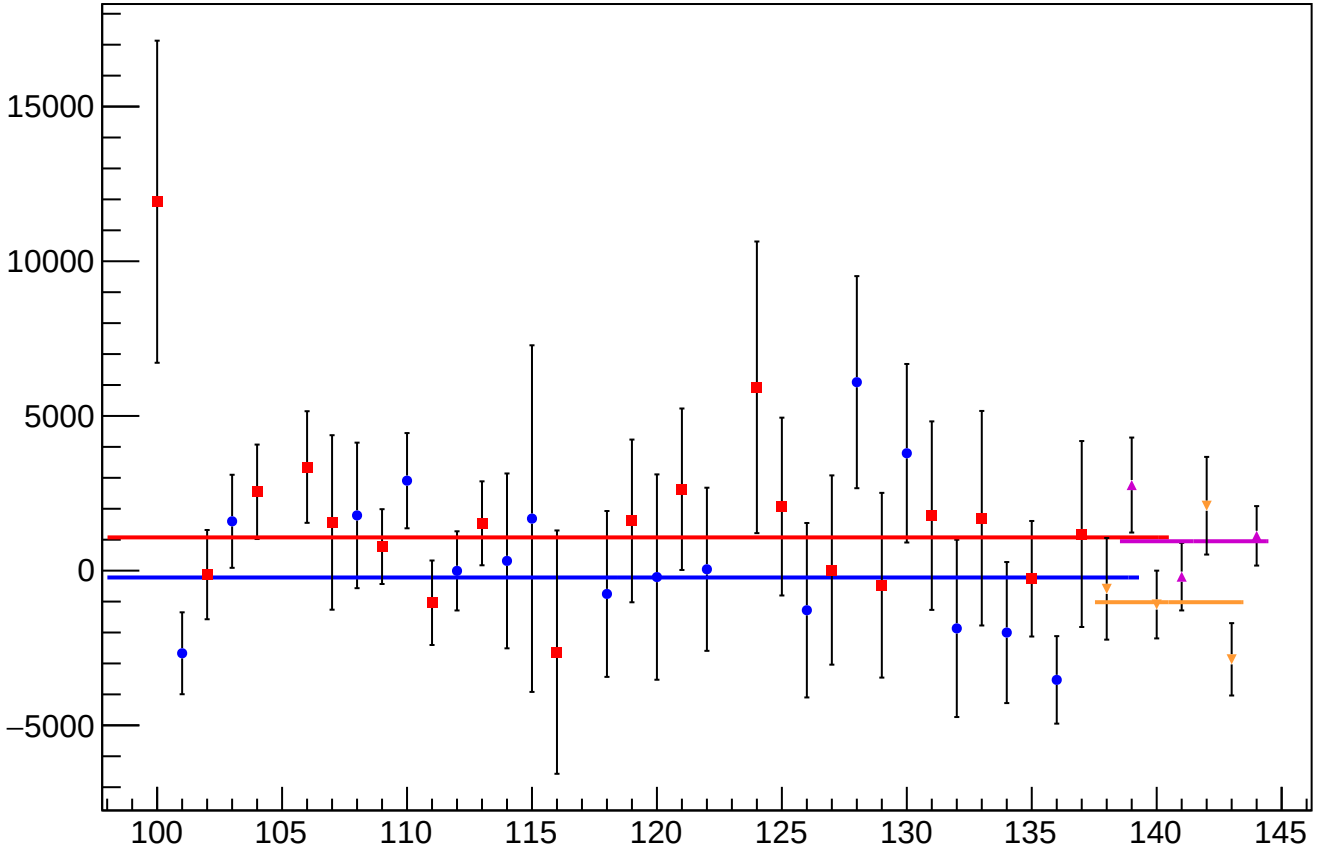
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 148.866+/-0.034 χ^2/NDF:488764.0/18

Out: 150.997+/-0.034 χ^2/NDF:701932.1/22

All: 149.934+/-0.024 χ^2/NDF: 1192639.3/41

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.142 χ^2/NDF:6.5/3

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 949.932+/-652.948 χ^2/NDF:2.5/2

Left: -33.414+/-462.125 χ^2/NDF: 13.5/6

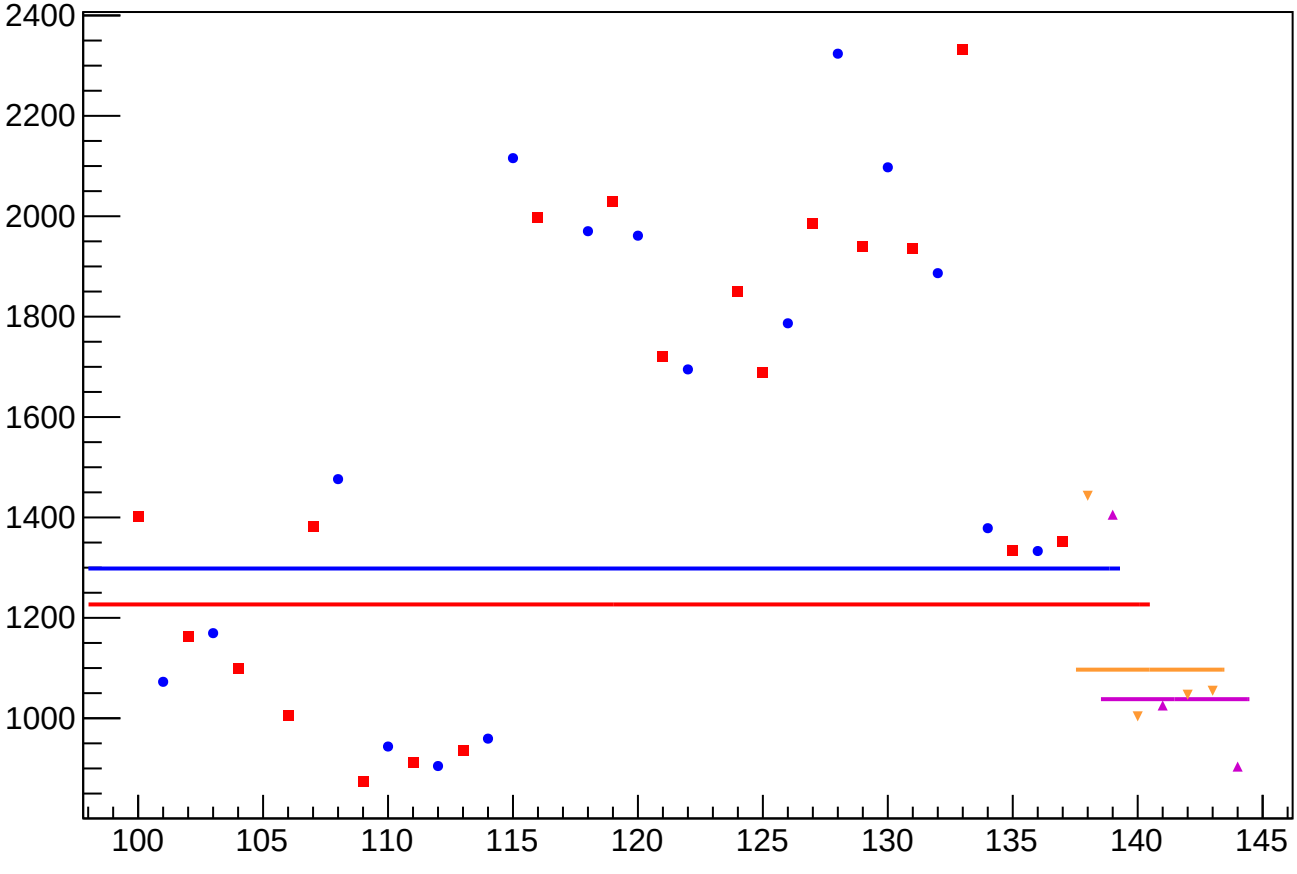
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 218.417+/-400.059 χ^2/NDF:26.4/18

Out: 355.579+/-383.196 χ^2/NDF:26.8/22

All: 289.950+/-276.730 χ^2/NDF: 53.3/41

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1096.819+/-0.463 χ^2/NDF:107995.7/3

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1038.018+/-0.462 χ^2/NDF:153901.5/2

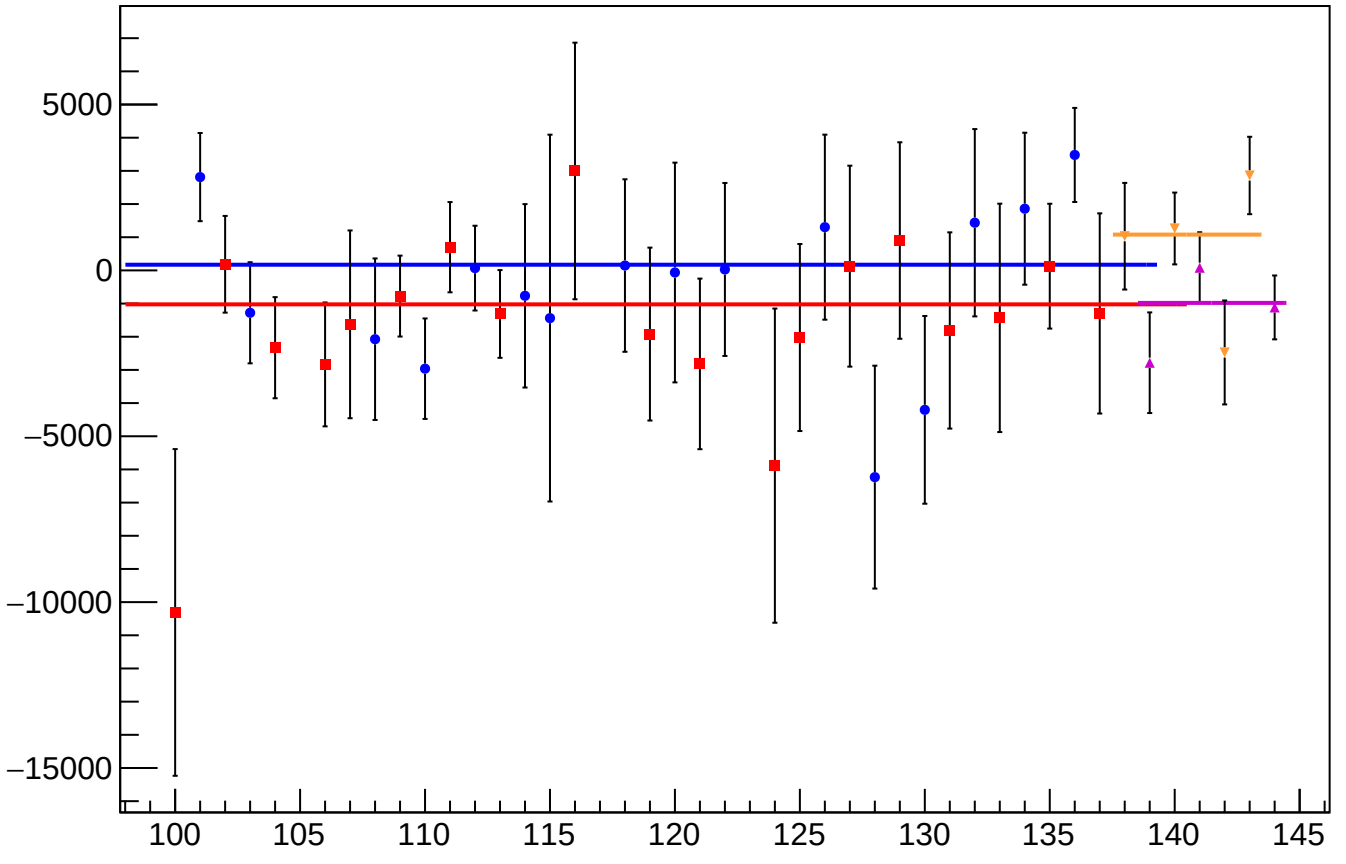
Left: 1067.365+/-0.327 χ^2/NDF: 269992.4/6

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1200.585+/-0.283 χ^2/NDF:1534518.5/18

Out: 1182.148+/-0.271 χ^2/NDF:1564330.6/22

All: 1190.970+/-0.196 χ^2/NDF: 3101064.5/41



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1079.216+/-647.808 χ^2/NDF:7.5/3

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -980.046+/-646.820 χ^2/NDF:2.4/2

Left: 48.013+/-457.720 χ^2/NDF: 15.0/6

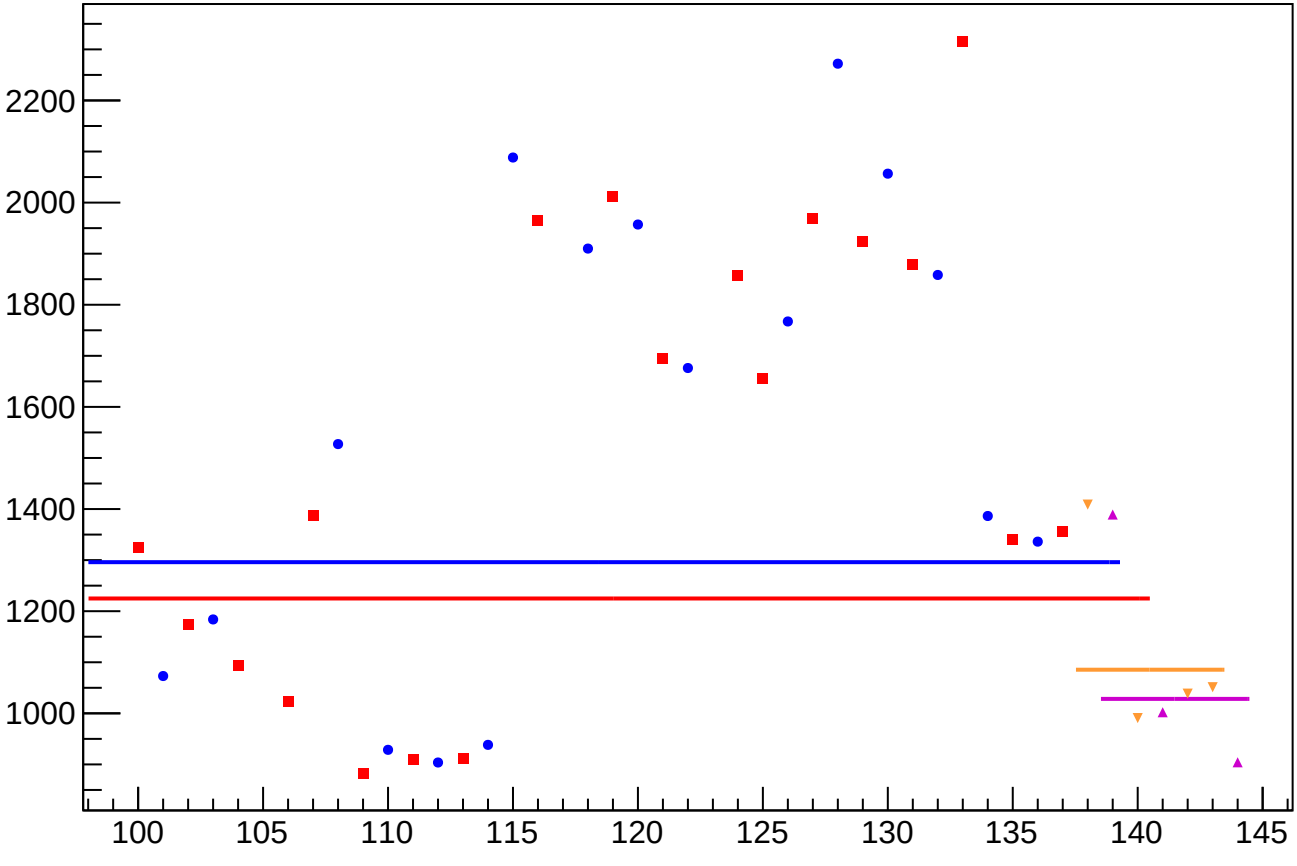
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -265.026+/-398.117 χ^2/NDF:27.0/18

Out: -294.437+/-381.485 χ^2/NDF:25.9/22

All: -280.359+/-275.443 χ^2/NDF: 52.9/41

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1085.424+/-0.458 χ^2/NDF:99714.1/3

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1028.301+/-0.457 χ^2/NDF:147679.8/2

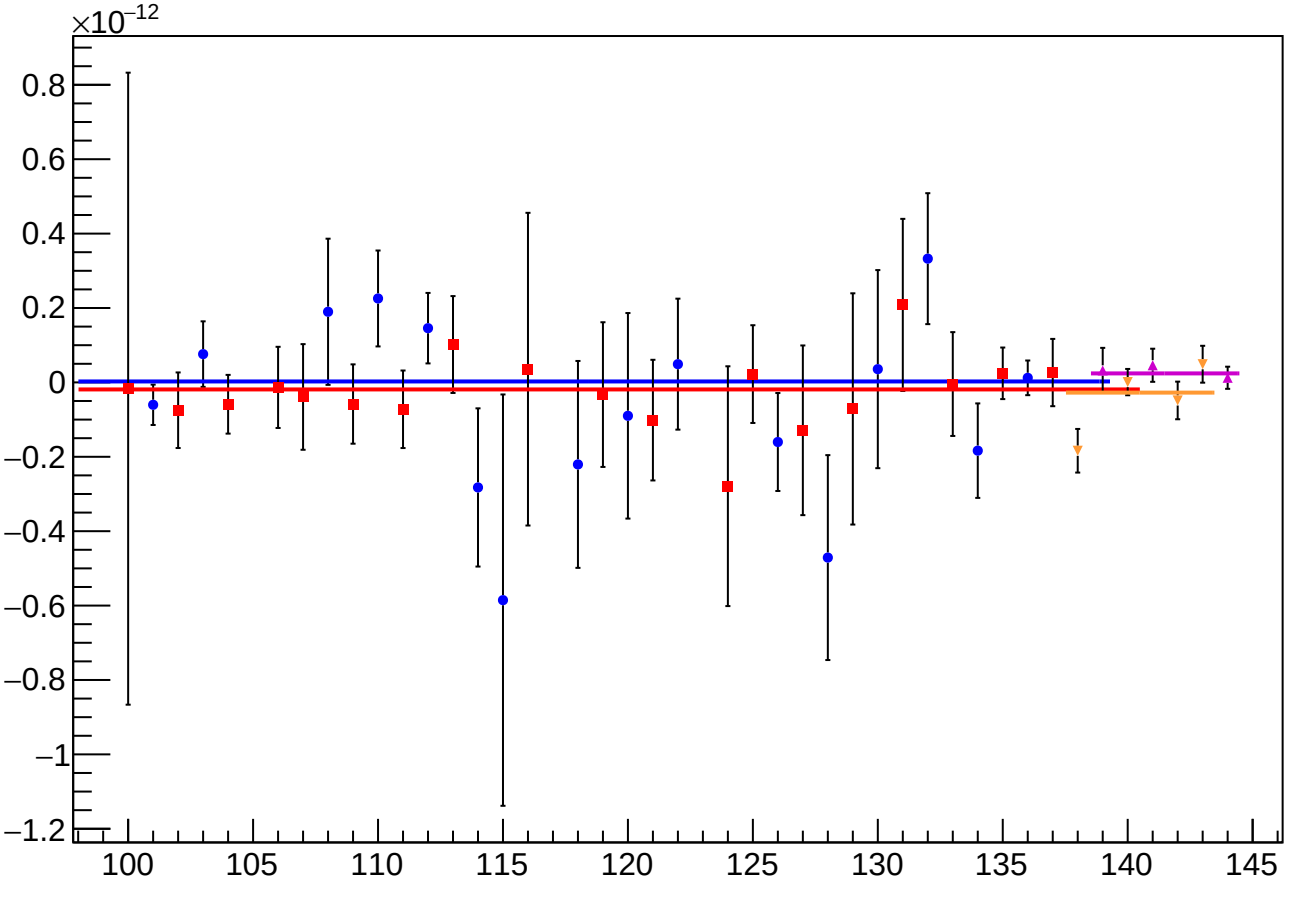
Left: 1056.819+/-0.324 χ^2/NDF: 255181.4/6

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1194.577+/-0.282 χ^2/NDF:1514640.6/18

Out: 1176.513+/-0.270 χ^2/NDF:1531535.2/22

All: 1185.160+/-0.195 χ^2/NDF: 3048322.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

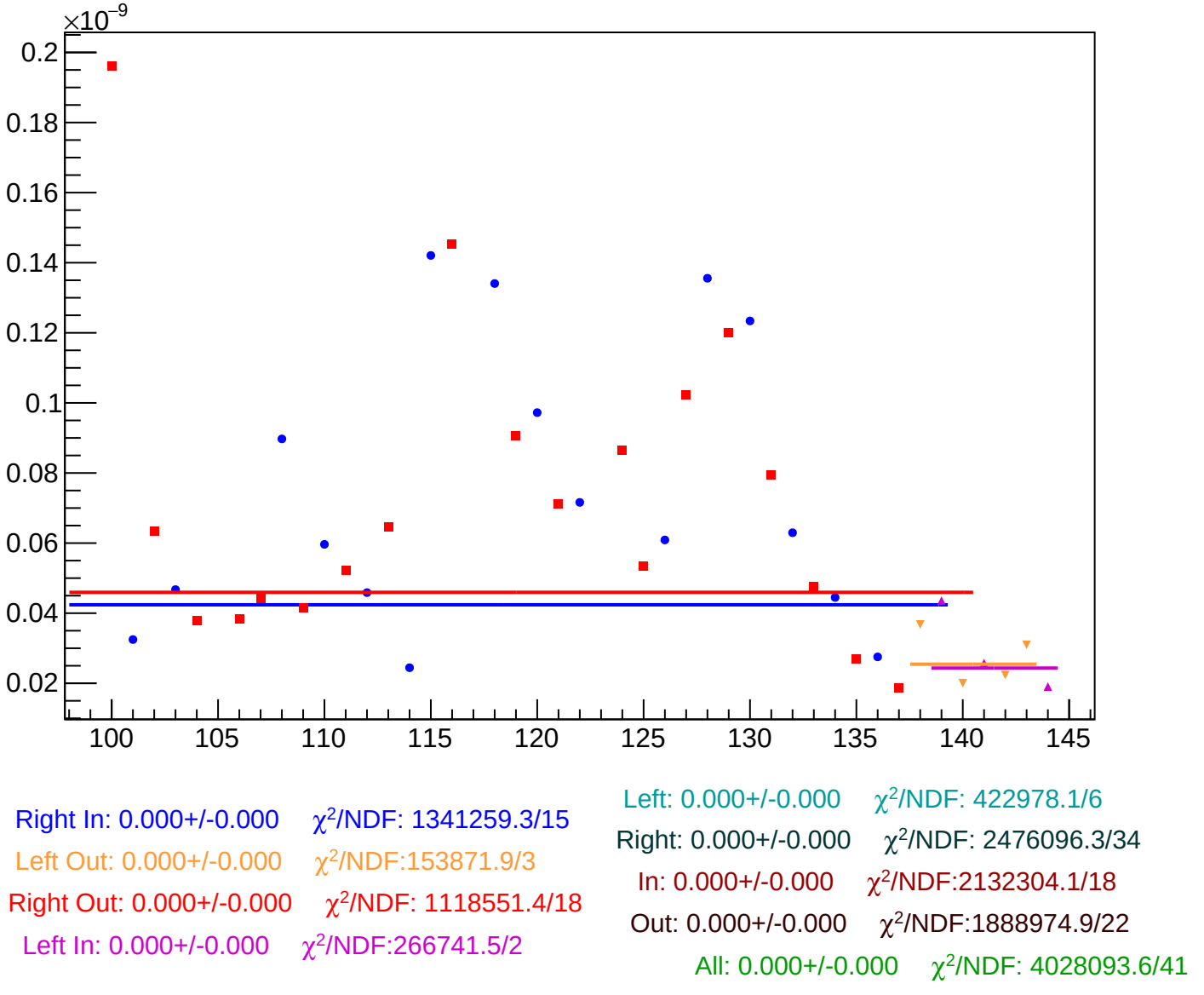
Left: -0.000+/-0.000 χ^2/NDF: 13.2/6

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

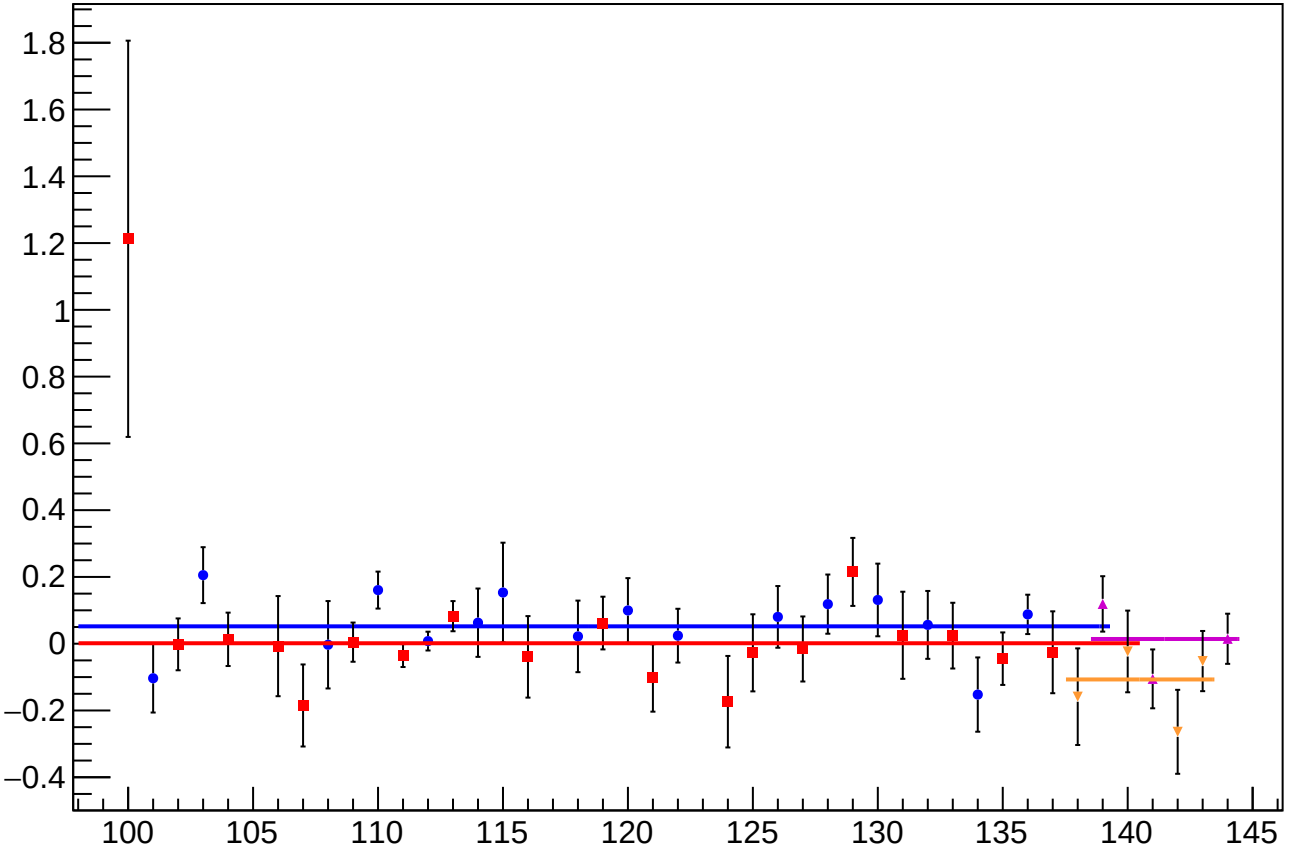
In: 0.000+/-0.000 χ^2/NDF:23.0/18

Out: -0.000+/-0.000 χ^2/NDF:15.1/22

All: -0.000+/-0.000 χ^2/NDF: 40.5/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1341259.3/15
Left Out: 0.000+/-0.000 χ²/NDF:153871.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1118551.4/18
Left In: 0.000+/-0.000 χ²/NDF:266741.5/2
Left: 0.000+/-0.000 χ²/NDF: 422978.1/6
Right: 0.000+/-0.000 χ²/NDF: 2476096.3/34
In: 0.000+/-0.000 χ²/NDF:2132304.1/18
Out: 0.000+/-0.000 χ²/NDF:1888974.9/22
All: 0.000+/-0.000 χ²/NDF: 4028093.6/41

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.047 χ^2/NDF:3.4/2

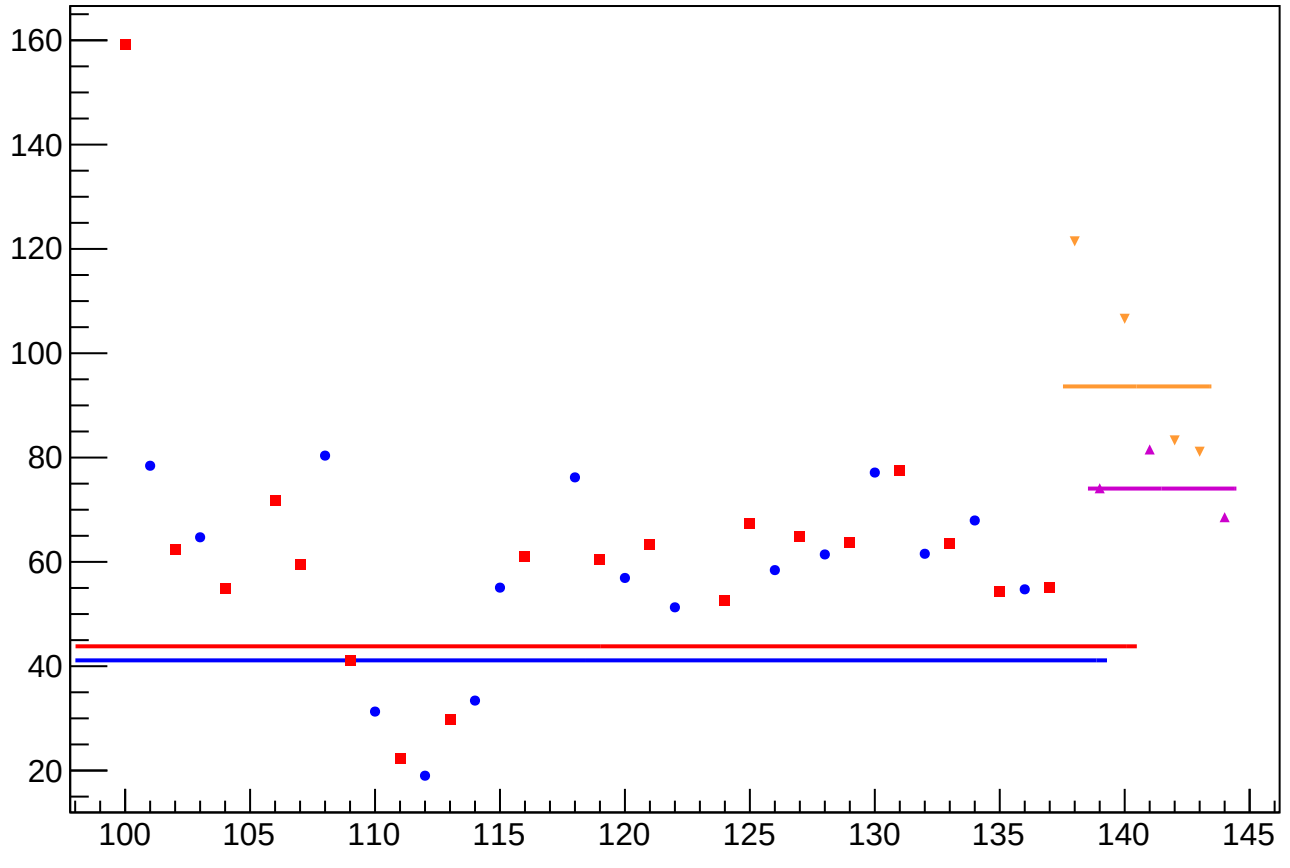
Left: -0.034+/-0.036 χ^2/NDF: 8.6/6

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.017 χ^2/NDF:22.0/18

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.020+/-0.012 χ^2/NDF: 52.4/41



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 93.638+/-0.041 χ^2/NDF:148470.7/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.057+/-0.033 χ^2/NDF:25146.6/2

Left: 81.891+/-0.026 χ^2/NDF: 312029.0/6

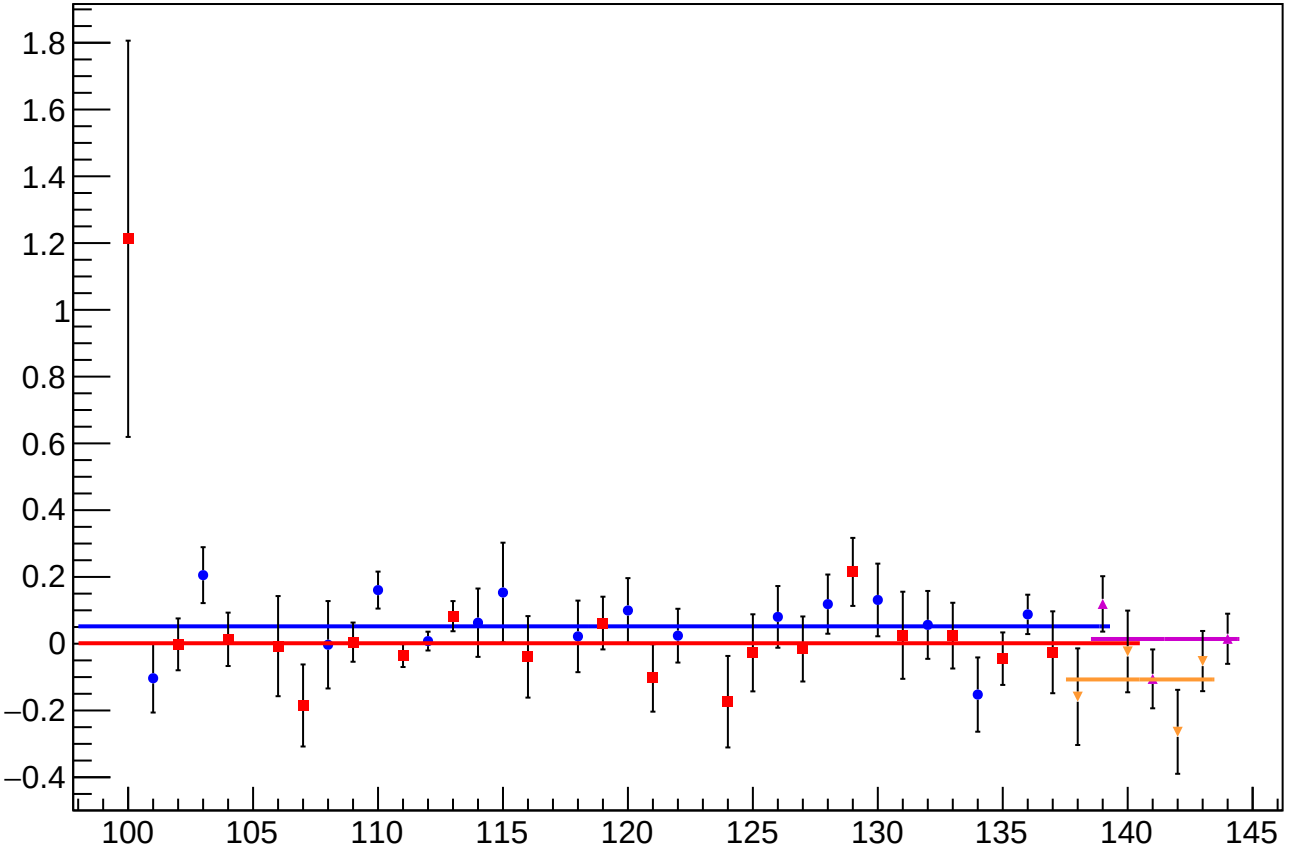
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 45.228+/-0.012 χ^2/NDF:3807230.8/18

Out: 48.206+/-0.012 χ^2/NDF:3558992.3/22

All: 46.674+/-0.008 χ^2/NDF: 7397373.4/41

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.047 χ^2/NDF:3.4/2

Left: -0.034+/-0.036 χ^2/NDF: 8.6/6

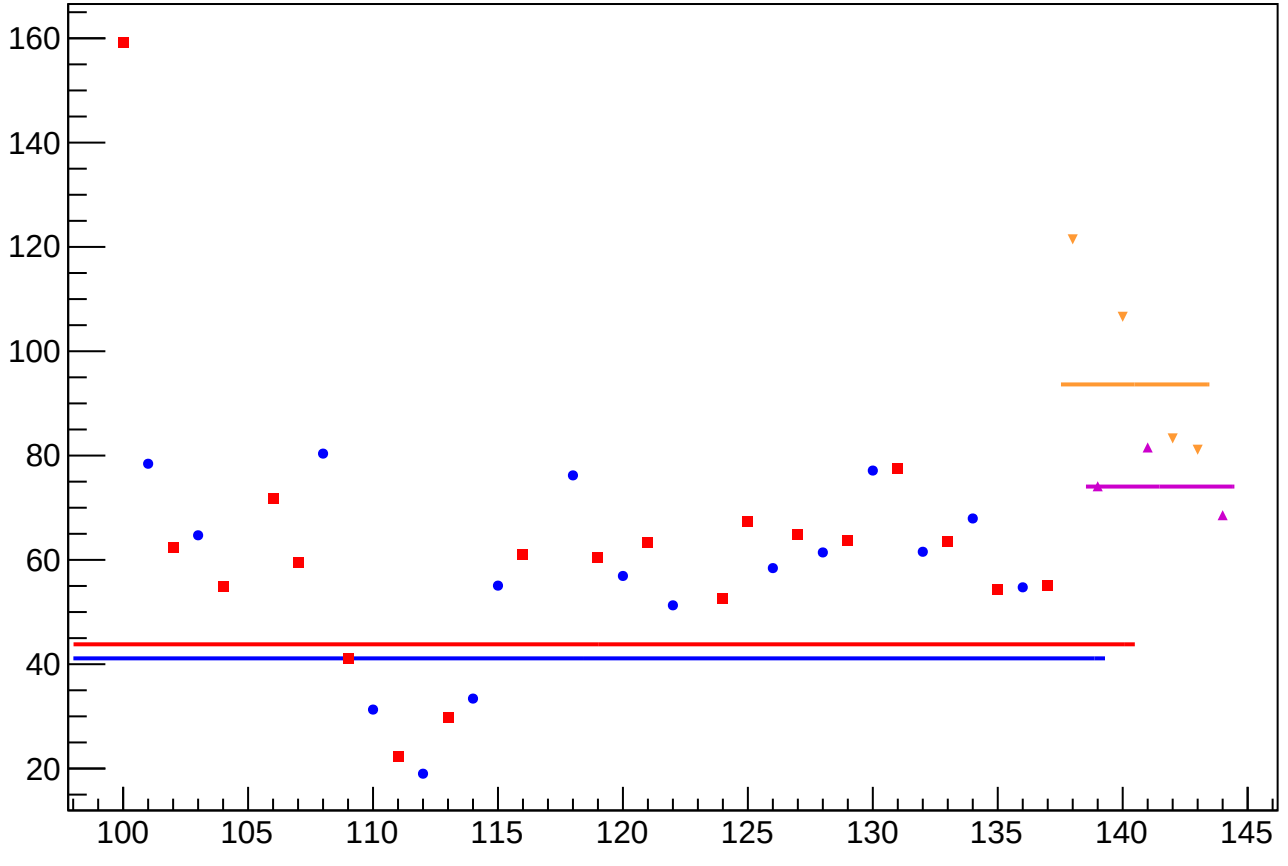
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.017 χ^2/NDF:22.0/18

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.020+/-0.012 χ^2/NDF: 52.4/41

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 93.638+/-0.041 χ^2/NDF:148470.7/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.057+/-0.033 χ^2/NDF:25146.6/2

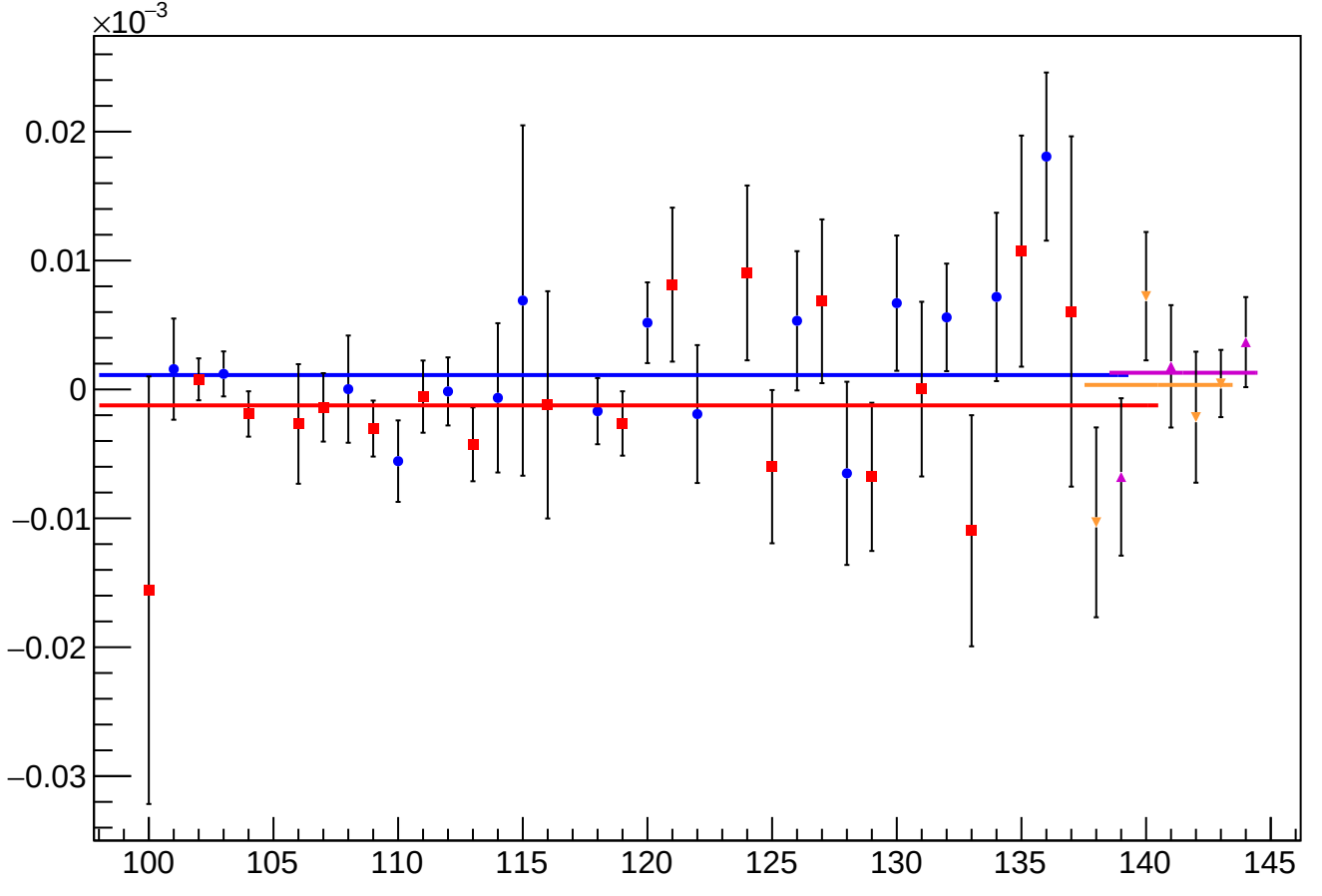
Left: 81.891+/-0.026 χ^2/NDF: 312029.0/6

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 45.228+/-0.012 χ^2/NDF:3807230.8/18

Out: 48.206+/-0.012 χ^2/NDF:3558992.3/22

All: 46.674+/-0.008 χ^2/NDF: 7397373.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/2

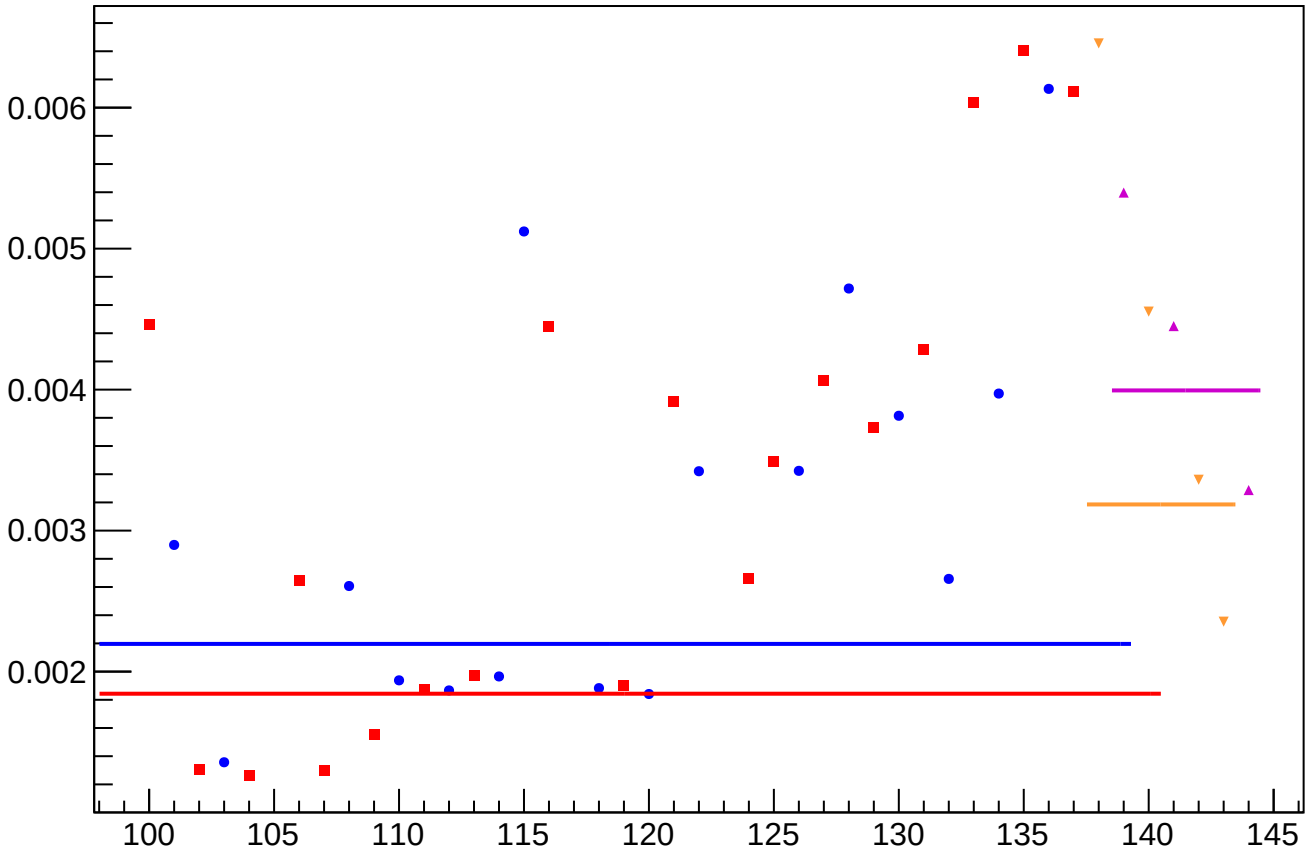
Left: 0.000+/-0.000 χ^2/NDF: 6.6/6

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:22.1/18

Out: -0.000+/-0.000 χ^2/NDF:20.7/22

All: -0.000+/-0.000 χ^2/NDF: 46.7/41



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:750771.6/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.004+/-0.000 χ^2/NDF:205925.0/2

Left: 0.003+/-0.000 χ^2/NDF: 1079839.7/6

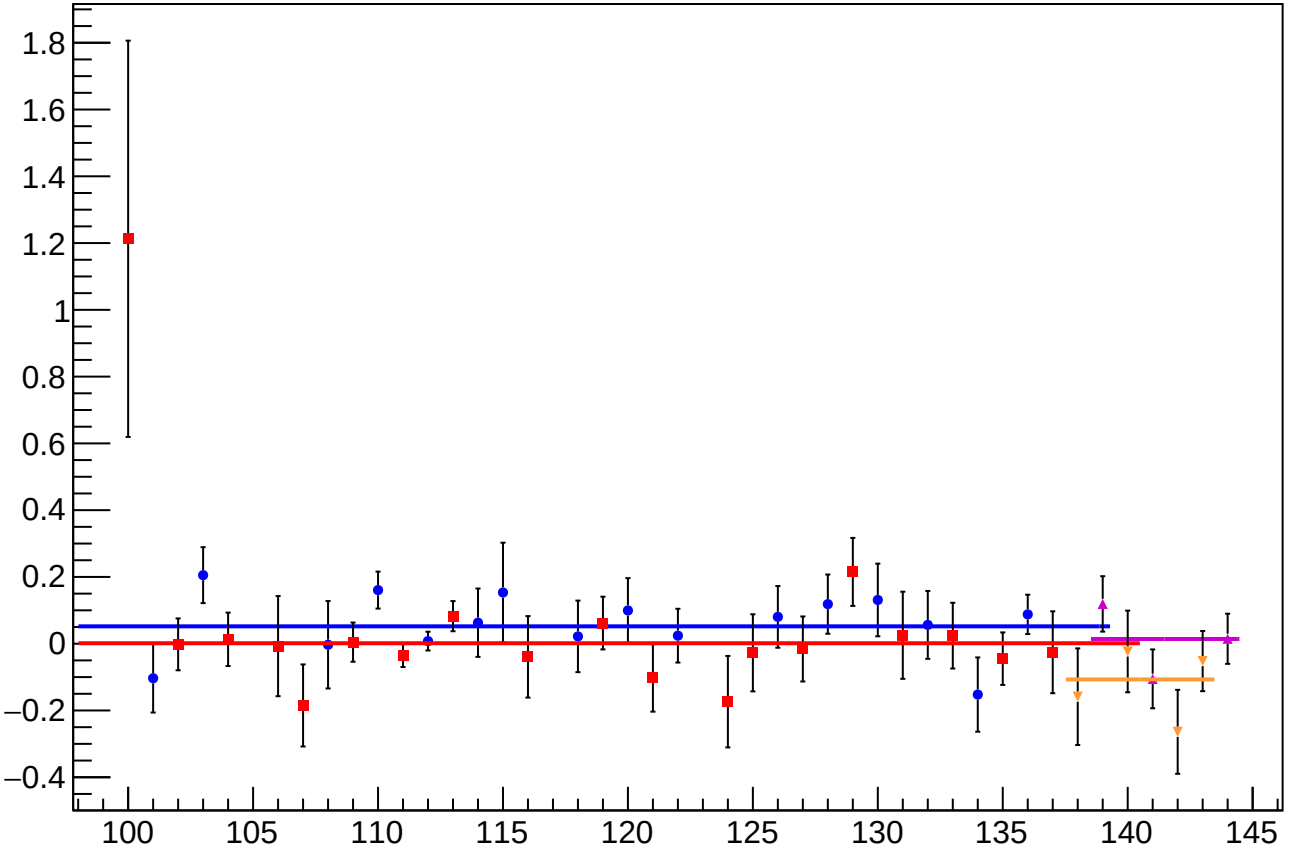
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3377671.1/18

Out: 0.002+/-0.000 χ^2/NDF:4659557.5/22

All: 0.002+/-0.000 χ^2/NDF: 8278378.3/41

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.047 χ^2/NDF:3.4/2

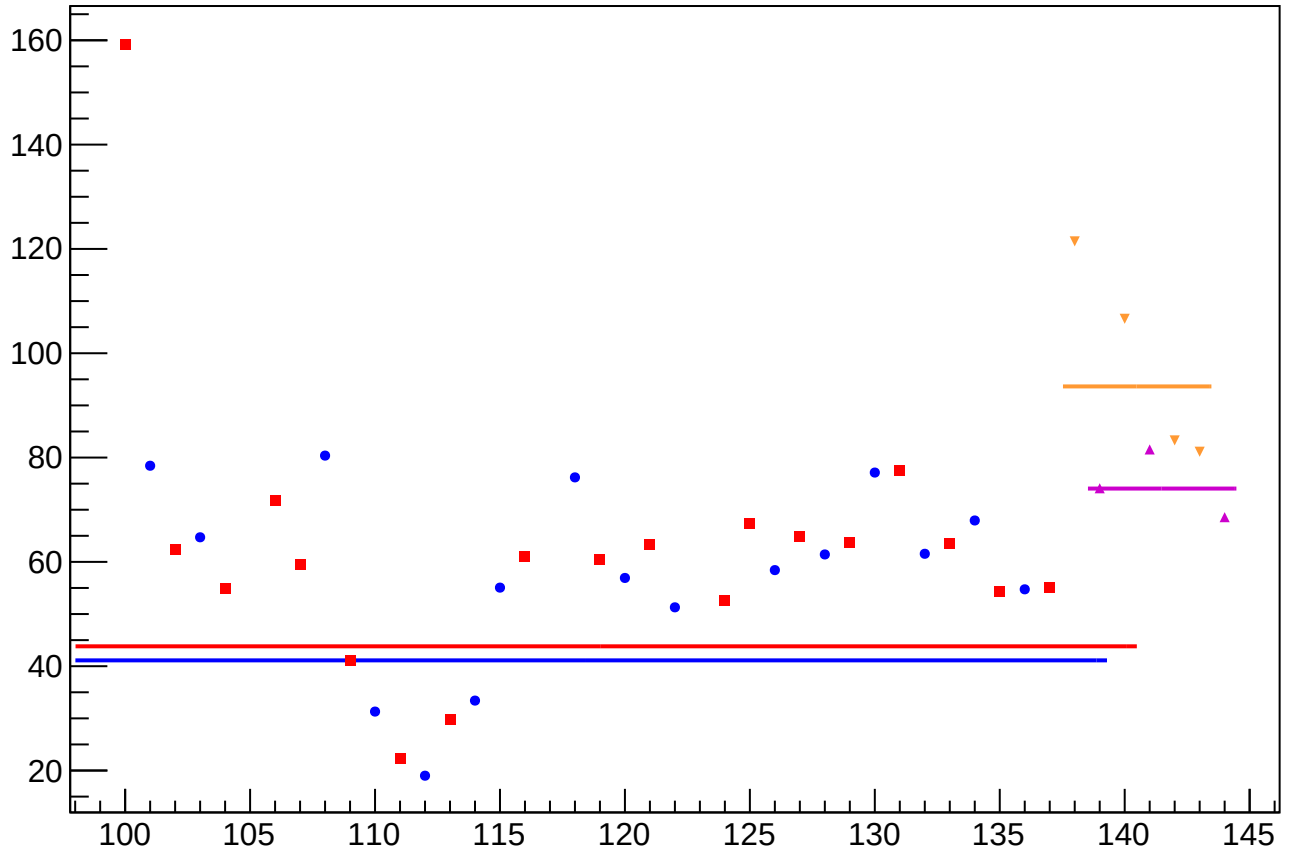
Left: -0.034+/-0.036 χ^2/NDF: 8.6/6

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.017 χ^2/NDF:22.0/18

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.020+/-0.012 χ^2/NDF: 52.4/41



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 93.639+/-0.041 χ^2/NDF:148459.6/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.057+/-0.033 χ^2/NDF:25144.7/2

Left: 81.891+/-0.026 χ^2/NDF: 312018.5/6

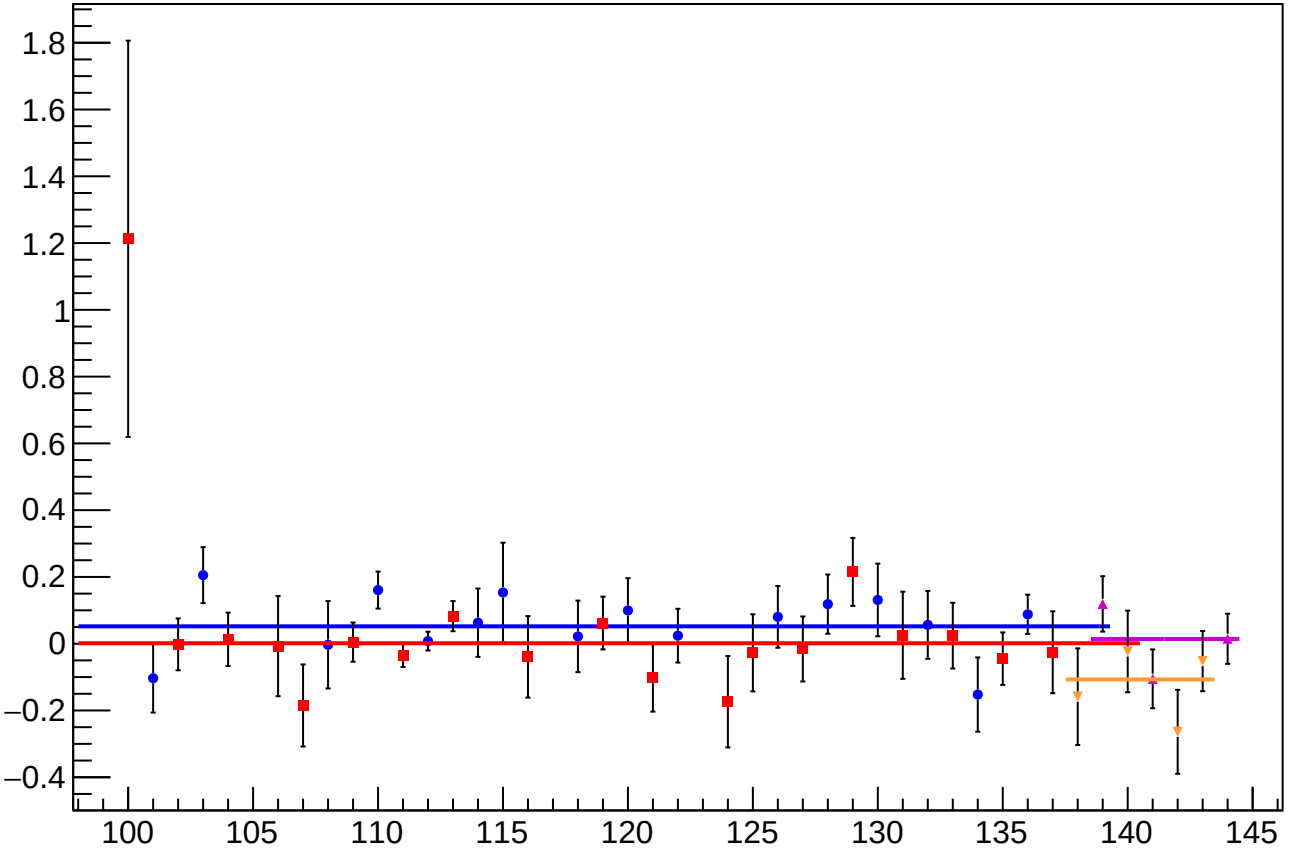
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 45.227+/-0.012 χ^2/NDF:3807453.3/18

Out: 48.206+/-0.012 χ^2/NDF:3559227.5/22

All: 46.673+/-0.008 χ^2/NDF: 7397831.3/41

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.047 χ^2/NDF:3.4/2

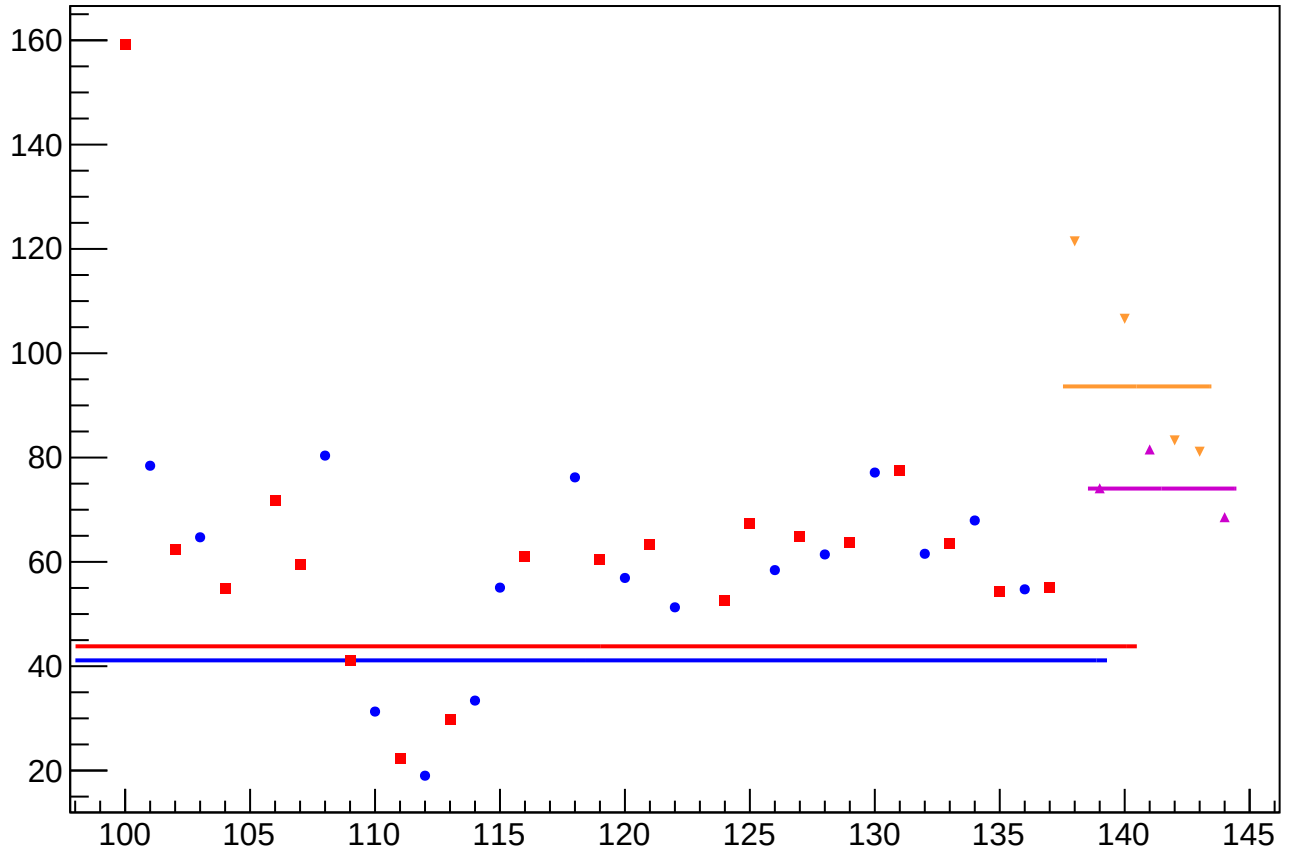
Left: -0.034+/-0.036 χ^2/NDF: 8.6/6

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.017 χ^2/NDF:22.0/18

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.020+/-0.012 χ^2/NDF: 52.4/41



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 93.639+/-0.041 χ^2/NDF:148459.6/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.057+/-0.033 χ^2/NDF:25144.7/2

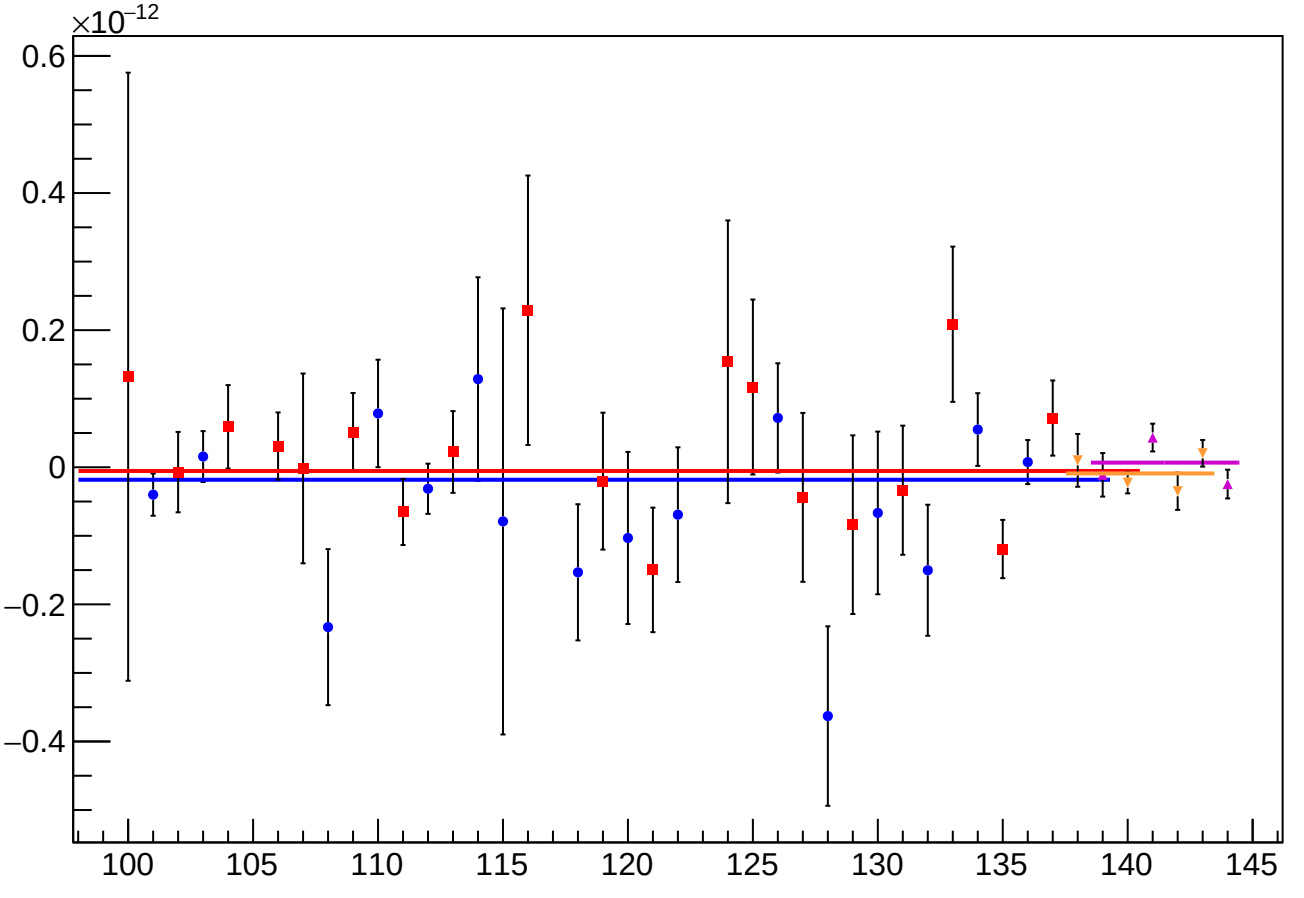
Left: 81.891+/-0.026 χ^2/NDF: 312018.5/6

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 45.227+/-0.012 χ^2/NDF:3807453.3/18

Out: 48.206+/-0.012 χ^2/NDF:3559227.5/22

All: 46.673+/-0.008 χ^2/NDF: 7397831.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/2

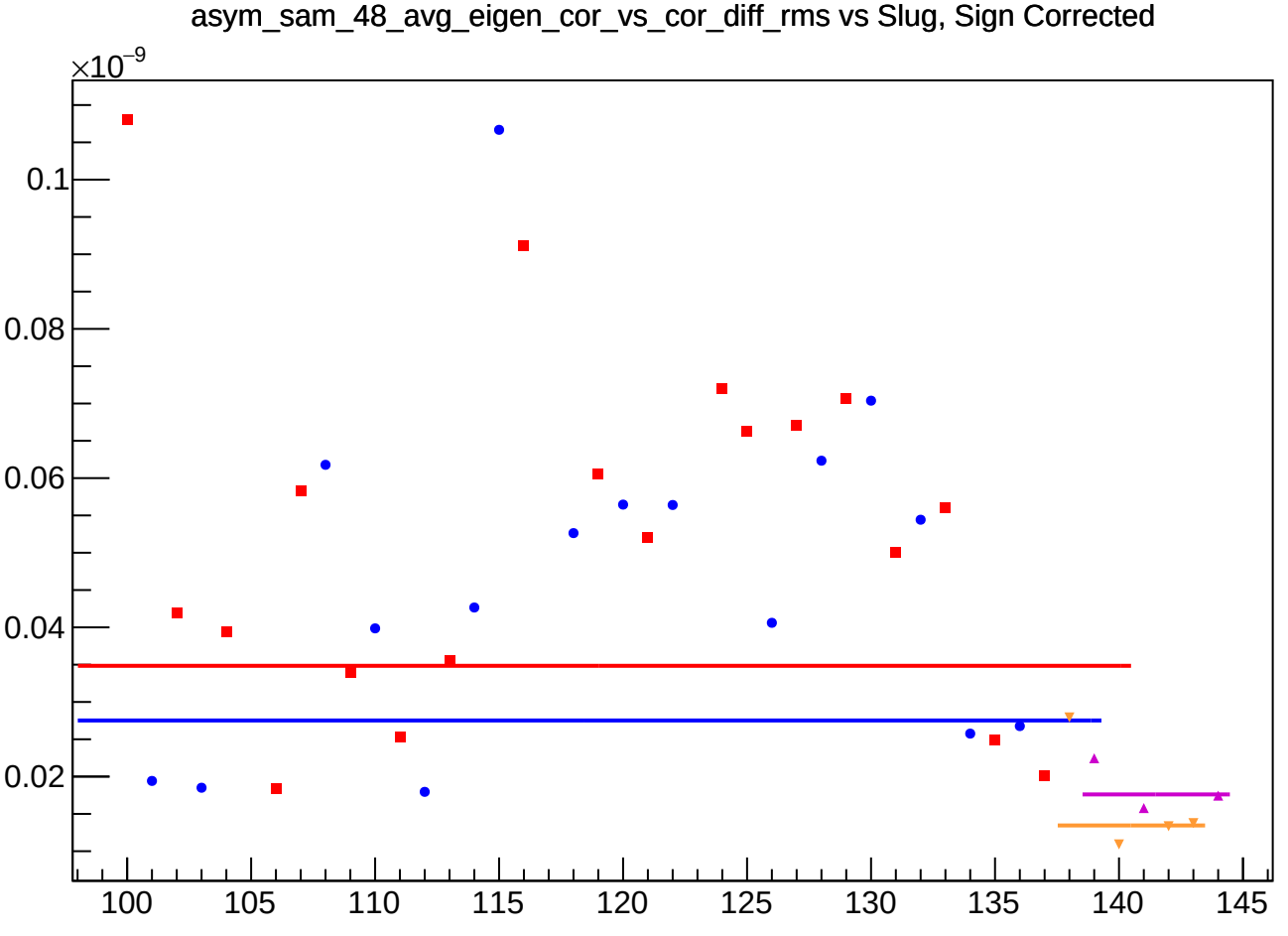
Left: -0.000+/-0.000 χ^2/NDF: 10.9/6

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:30.4/18

Out: -0.000+/-0.000 χ^2/NDF:27.5/22

All: -0.000+/-0.000 χ^2/NDF: 58.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:336142.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:63080.8/2

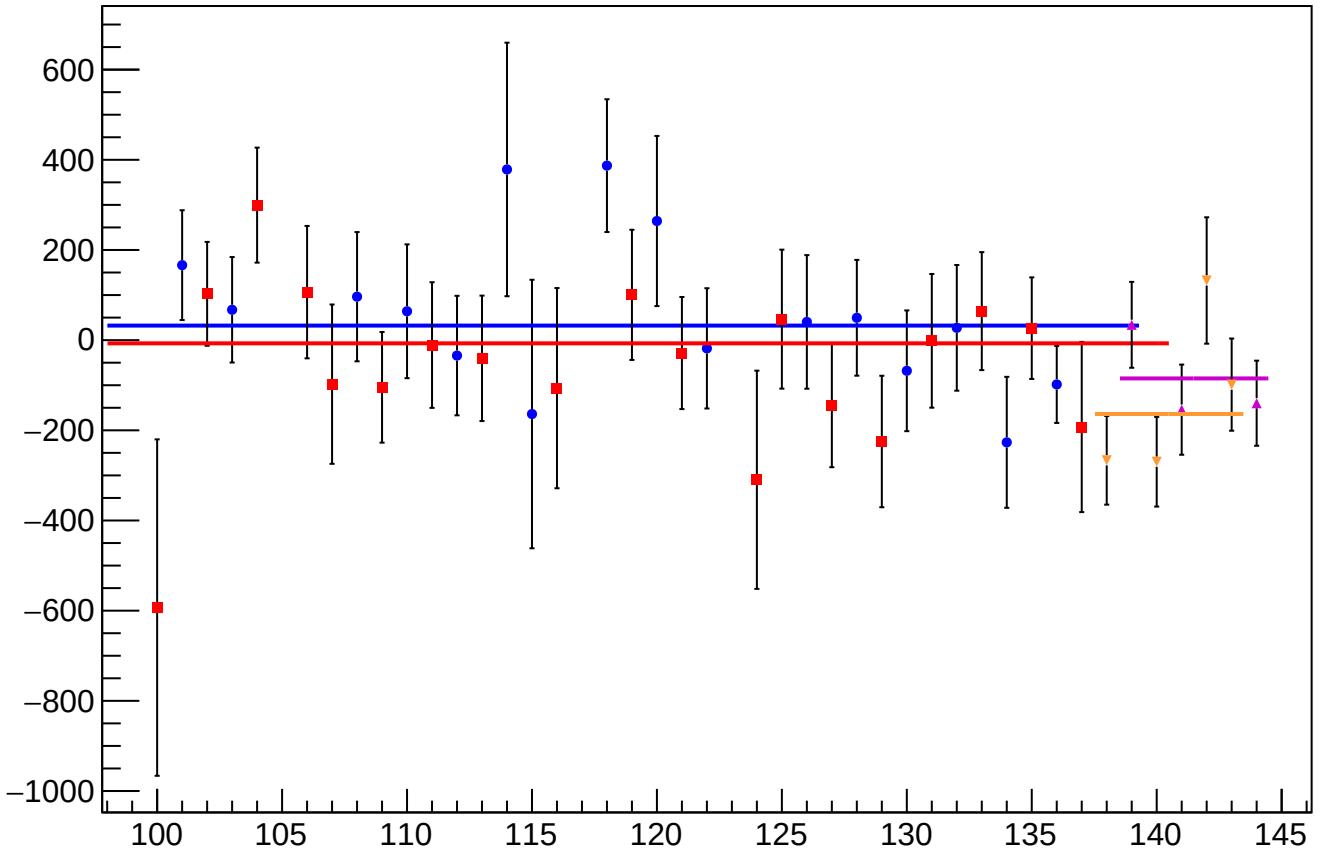
Left: 0.000+/-0.000 χ^2/NDF: 519014.1/6

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2376249.3/18

Out: 0.000+/-0.000 χ^2/NDF:4346088.3/22

All: 0.000+/-0.000 χ^2/NDF: 6792653.4/41



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.798+/-53.386 χ^2/NDF:7.1/3

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -84.897+/-55.683 χ^2/NDF:2.4/2

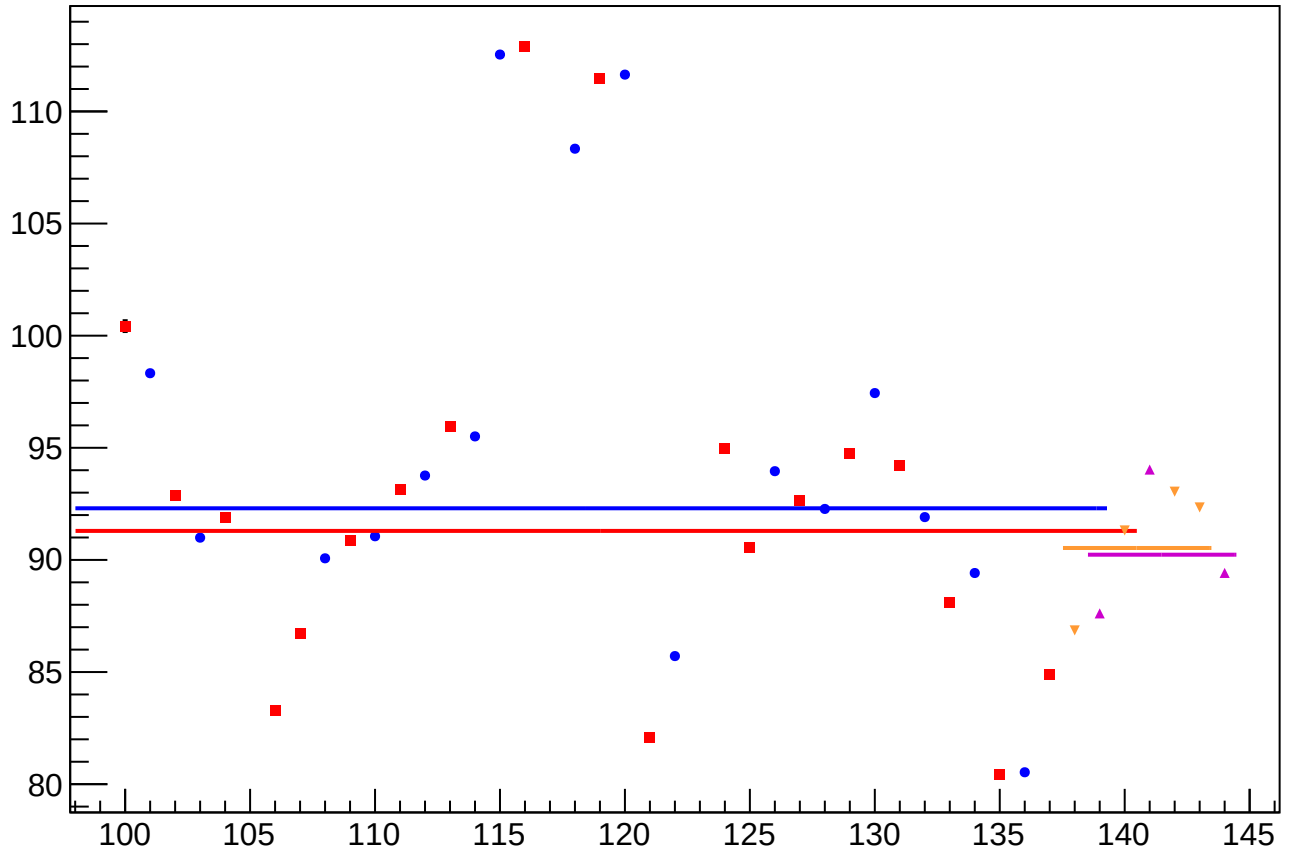
Left: -126.008+/-38.536 χ^2/NDF: 10.5/6

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -0.114+/-29.283 χ^2/NDF:22.9/18

Out: -51.197+/-28.327 χ^2/NDF:31.1/22

All: -26.503+/-20.360 χ^2/NDF: 55.5/41



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

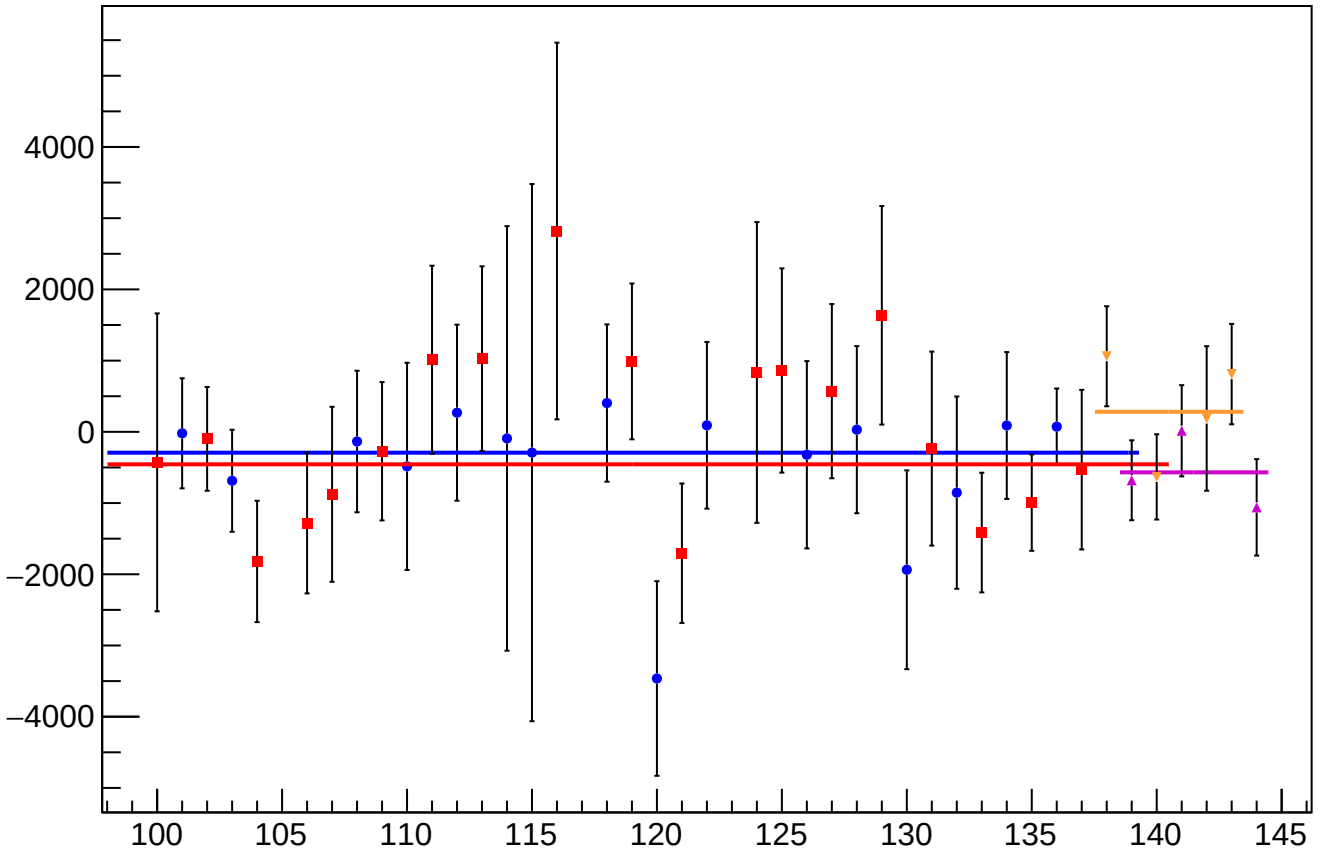
Left: 90.389+/-0.027 χ^2/NDF: 8753.9/6

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 91.730+/-0.021 χ^2/NDF:113605.0/18

Out: 91.079+/-0.020 χ^2/NDF:109572.2/22

All: 91.394+/-0.014 χ^2/NDF: 223687.5/41



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.729+/-358.012 χ^2/NDF:4.1/3

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -568.957+/-358.263 χ^2/NDF:1.4/2

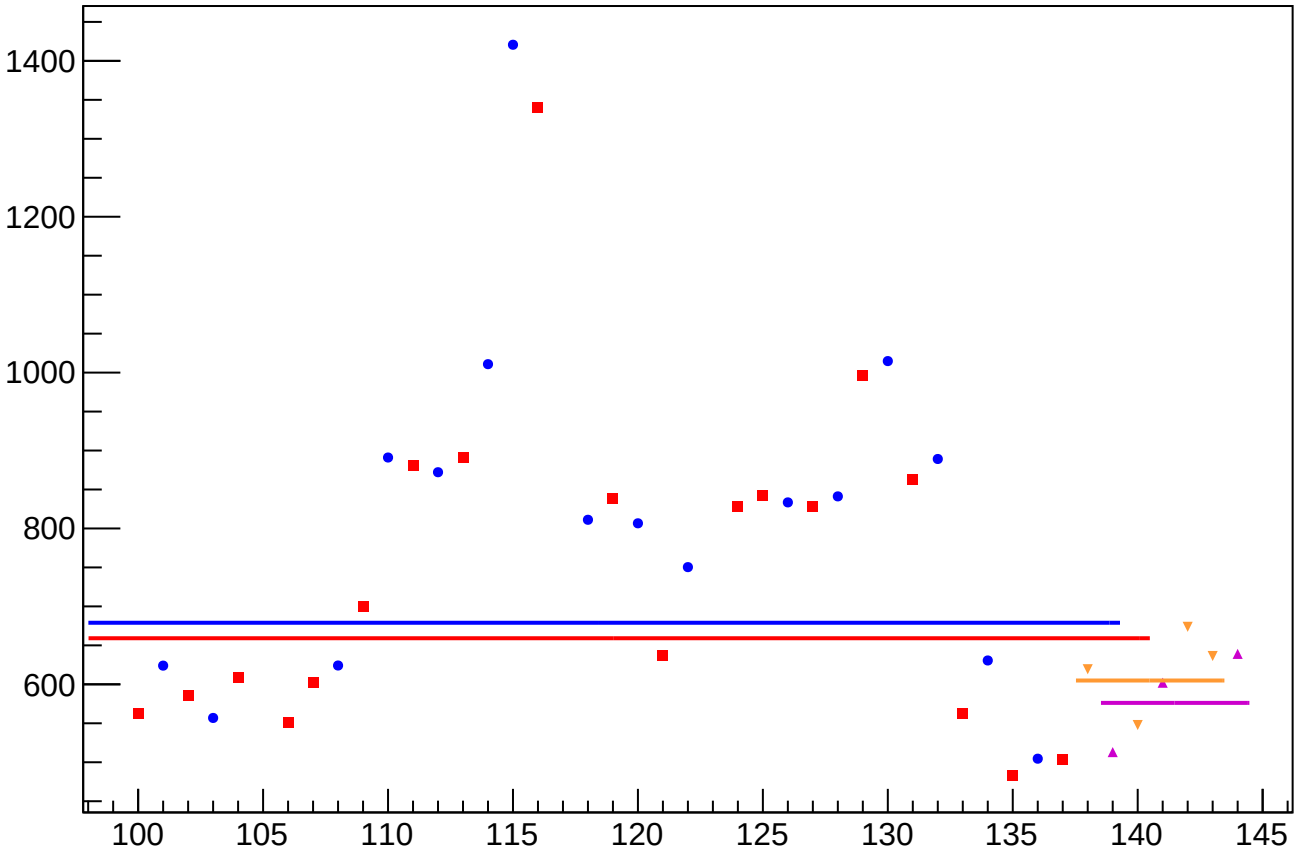
Left: -143.317+/-253.242 χ^2/NDF: 8.4/6

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -387.892+/-210.263 χ^2/NDF:10.6/18

Out: -215.738+/-204.262 χ^2/NDF:23.9/22

All: -299.324+/-146.511 χ^2/NDF: 34.8/41



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.5/3

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

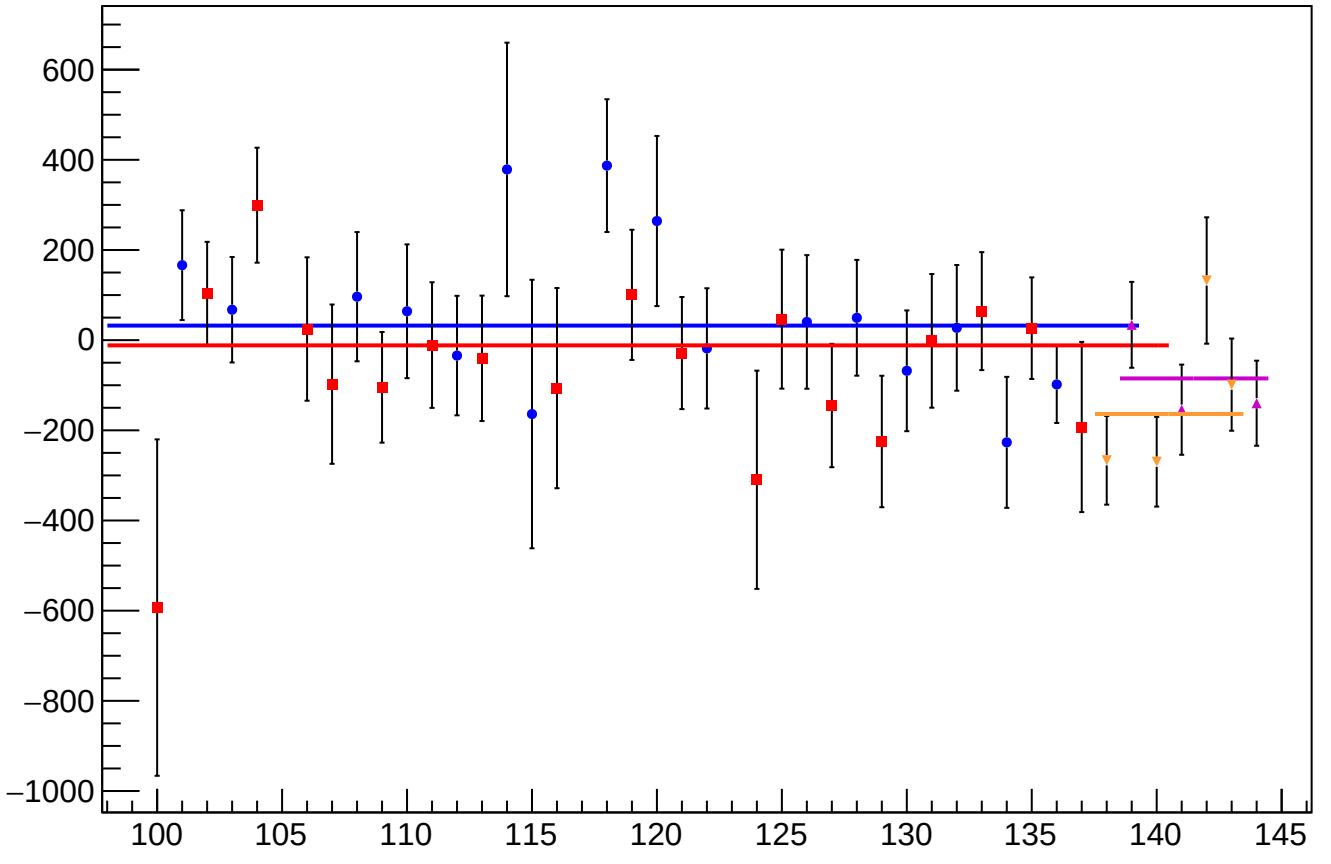
Left: 590.550+/-0.179 χ^2/NDF: 84518.3/6

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 643.587+/-0.149 χ^2/NDF:921789.5/18

Out: 641.477+/-0.144 χ^2/NDF:859113.3/22

All: 642.502+/-0.104 χ^2/NDF: 1781006.4/41



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -84.897+/-55.683 χ^2/NDF:2.4/2

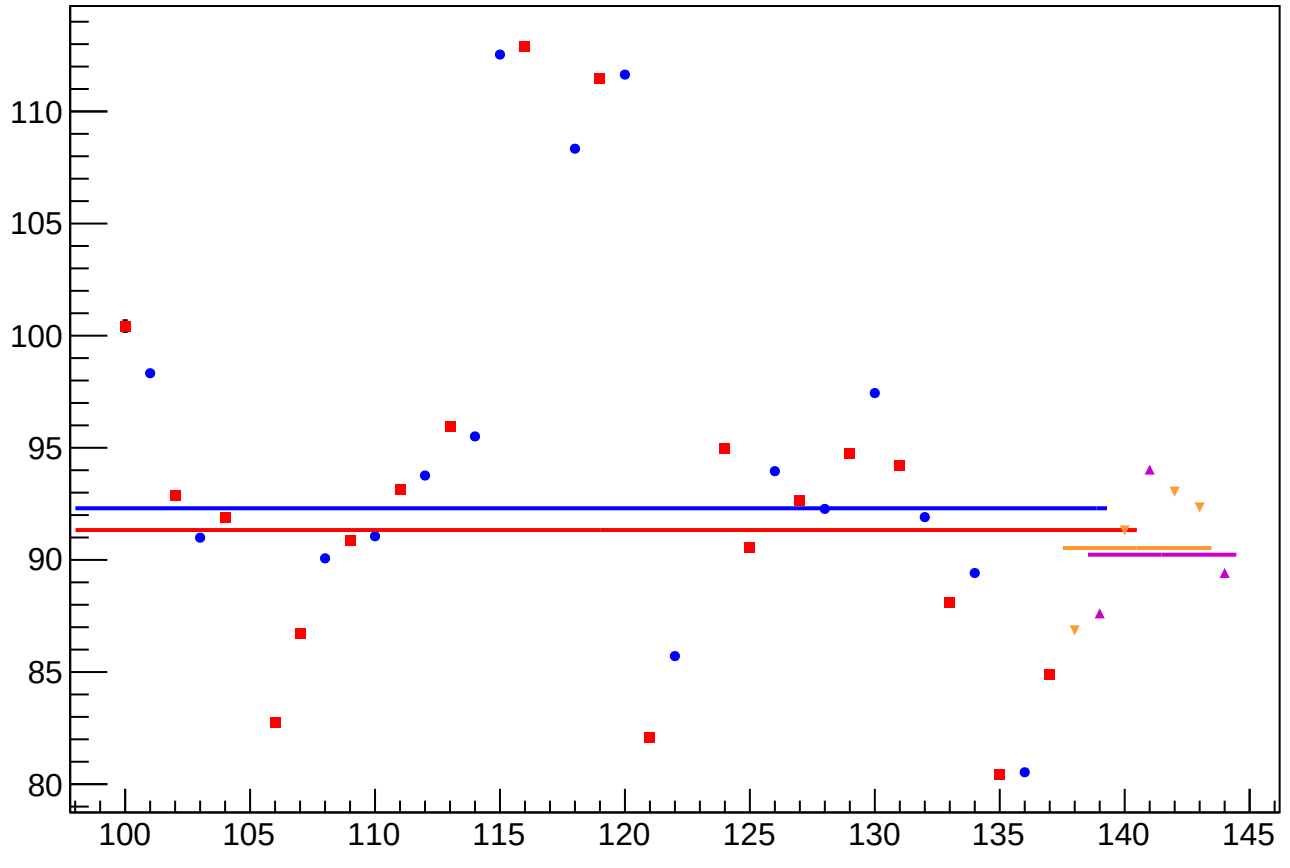
Left: -126.008+/-38.536 χ^2/NDF: 10.5/6

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -0.104+/-29.283 χ^2/NDF:22.9/18

Out: -54.670+/-28.405 χ^2/NDF:30.1/22

All: -28.217+/-20.389 χ^2/NDF: 54.8/41



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

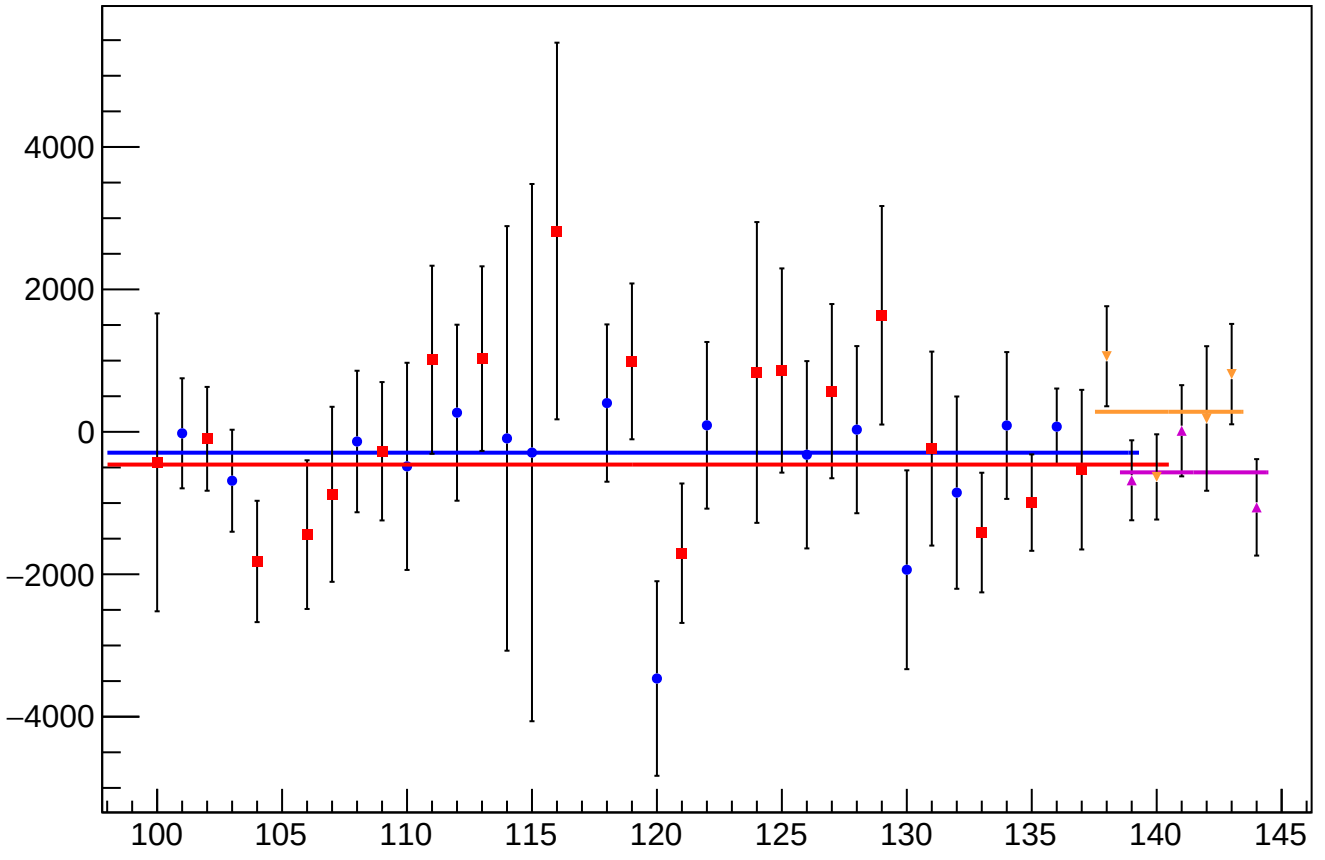
Left: 90.389+/-0.027 χ^2/NDF: 8753.9/6

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.730+/-0.021 χ^2/NDF:113605.0/18

Out: 91.106+/-0.020 χ^2/NDF:109423.4/22

All: 91.408+/-0.014 χ^2/NDF: 223497.0/41



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -568.951+/-358.263 χ^2/NDF:1.4/2

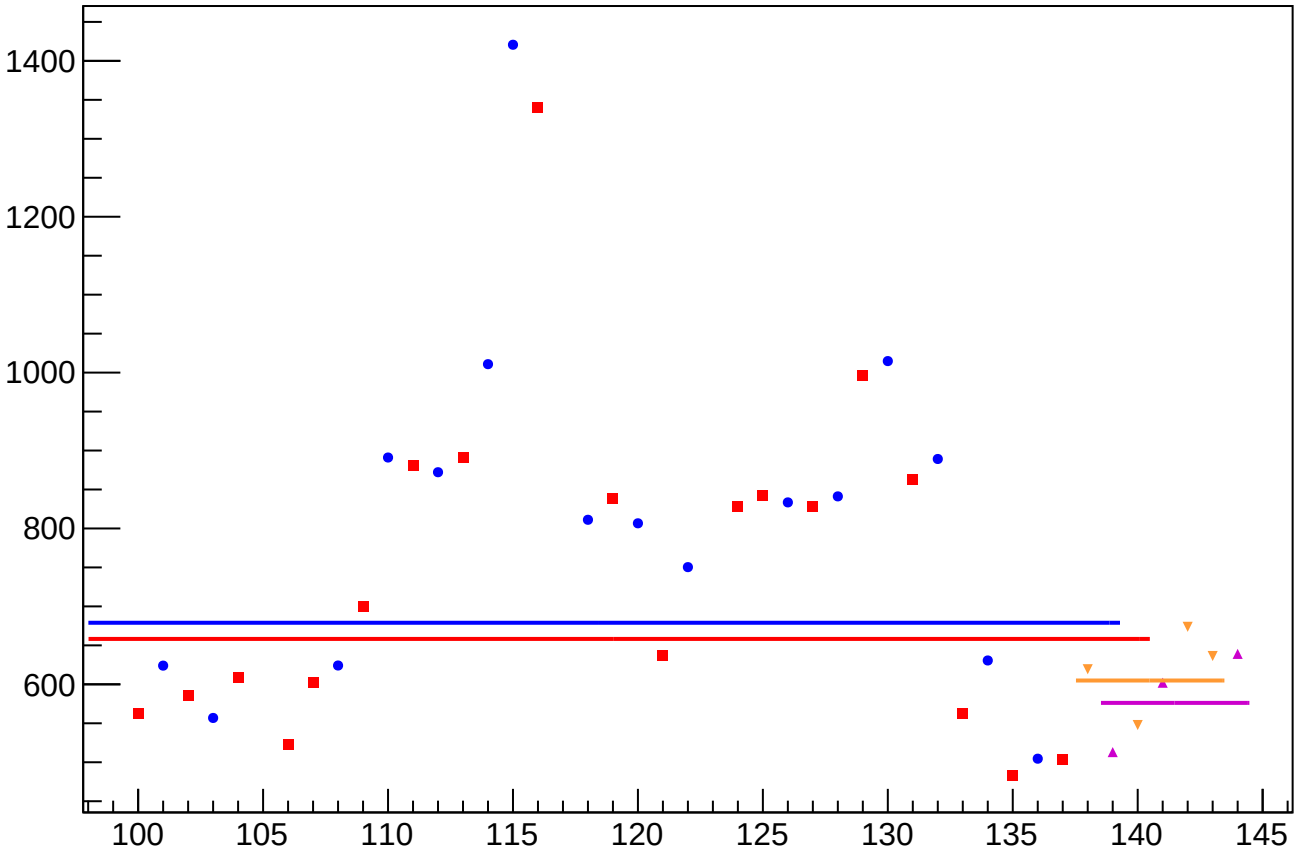
Left: -143.315+/-253.241 χ^2/NDF: 8.4/6

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -387.889+/-210.263 χ^2/NDF:10.6/18

Out: -217.198+/-204.719 χ^2/NDF:24.1/22

All: -300.263+/-146.679 χ^2/NDF: 35.0/41



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

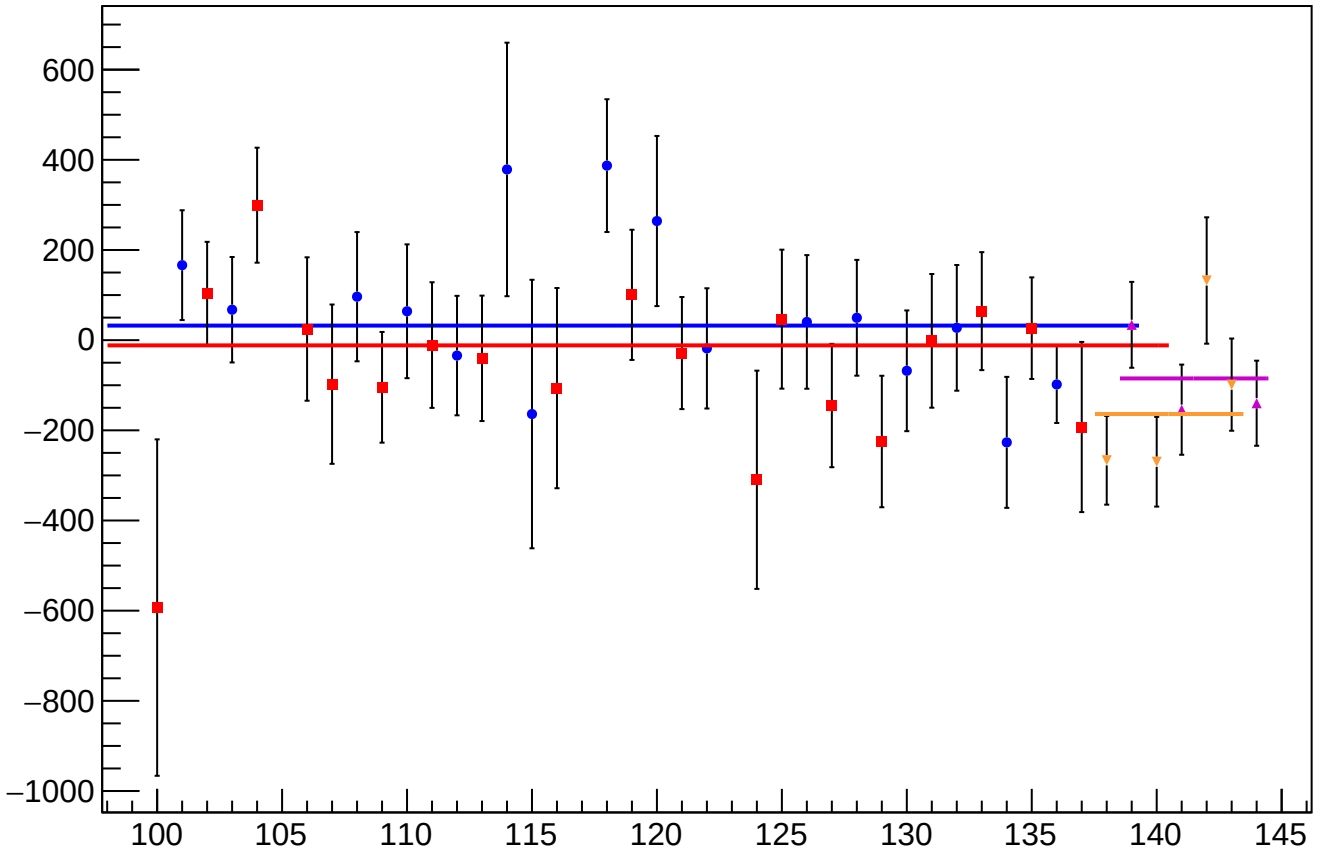
Left: 590.549+/-0.179 χ^2/NDF: 84518.4/6

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.587+/-0.149 χ^2/NDF:921791.0/18

Out: 640.812+/-0.145 χ^2/NDF:868082.1/22

All: 642.162+/-0.104 χ^2/NDF: 1790052.1/41



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -84.897+/-55.683 χ^2/NDF:2.4/2

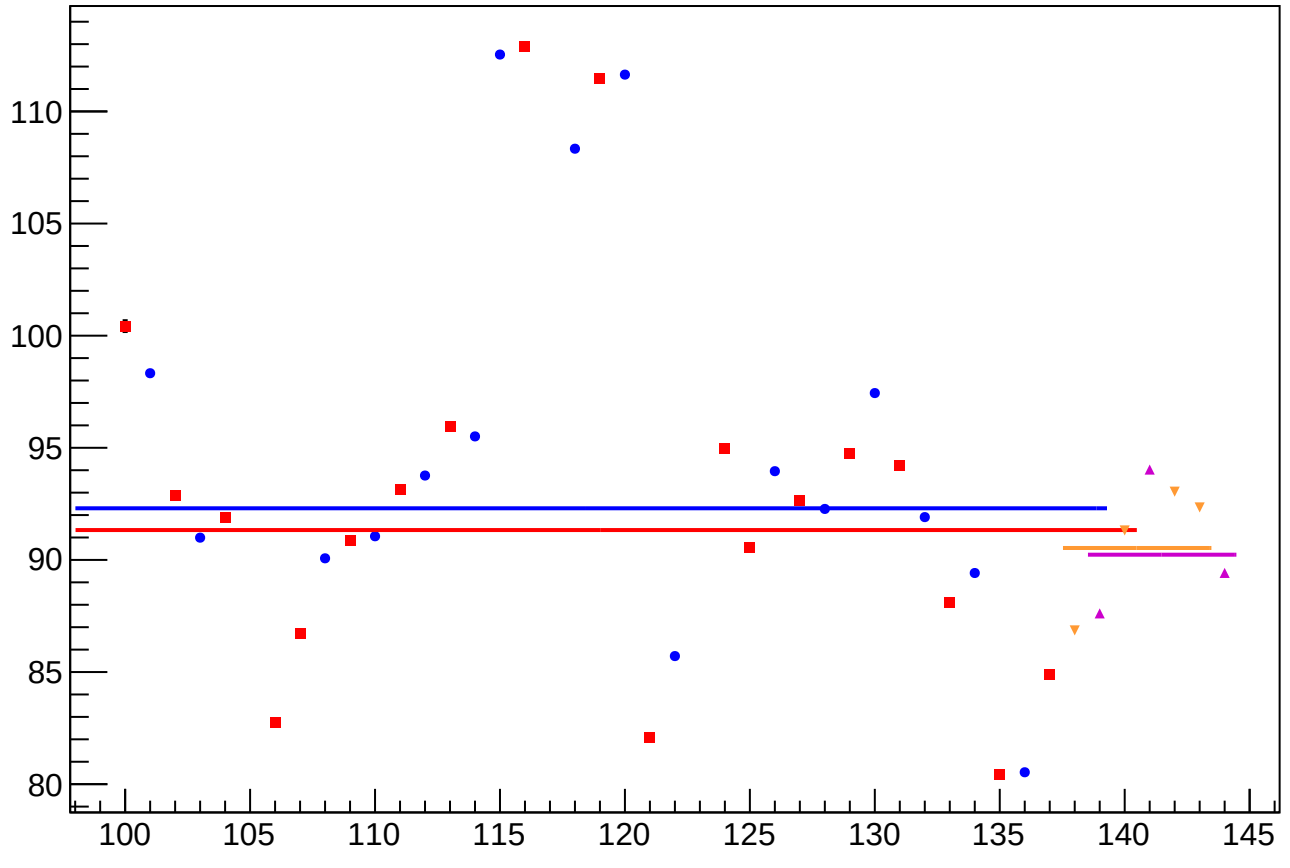
Left: -126.008+/-38.536 χ^2/NDF: 10.5/6

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -0.104+/-29.283 χ^2/NDF:22.9/18

Out: -54.670+/-28.405 χ^2/NDF:30.1/22

All: -28.217+/-20.389 χ^2/NDF: 54.8/41



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.233+/-0.039 χ^2/NDF:4540.5/2

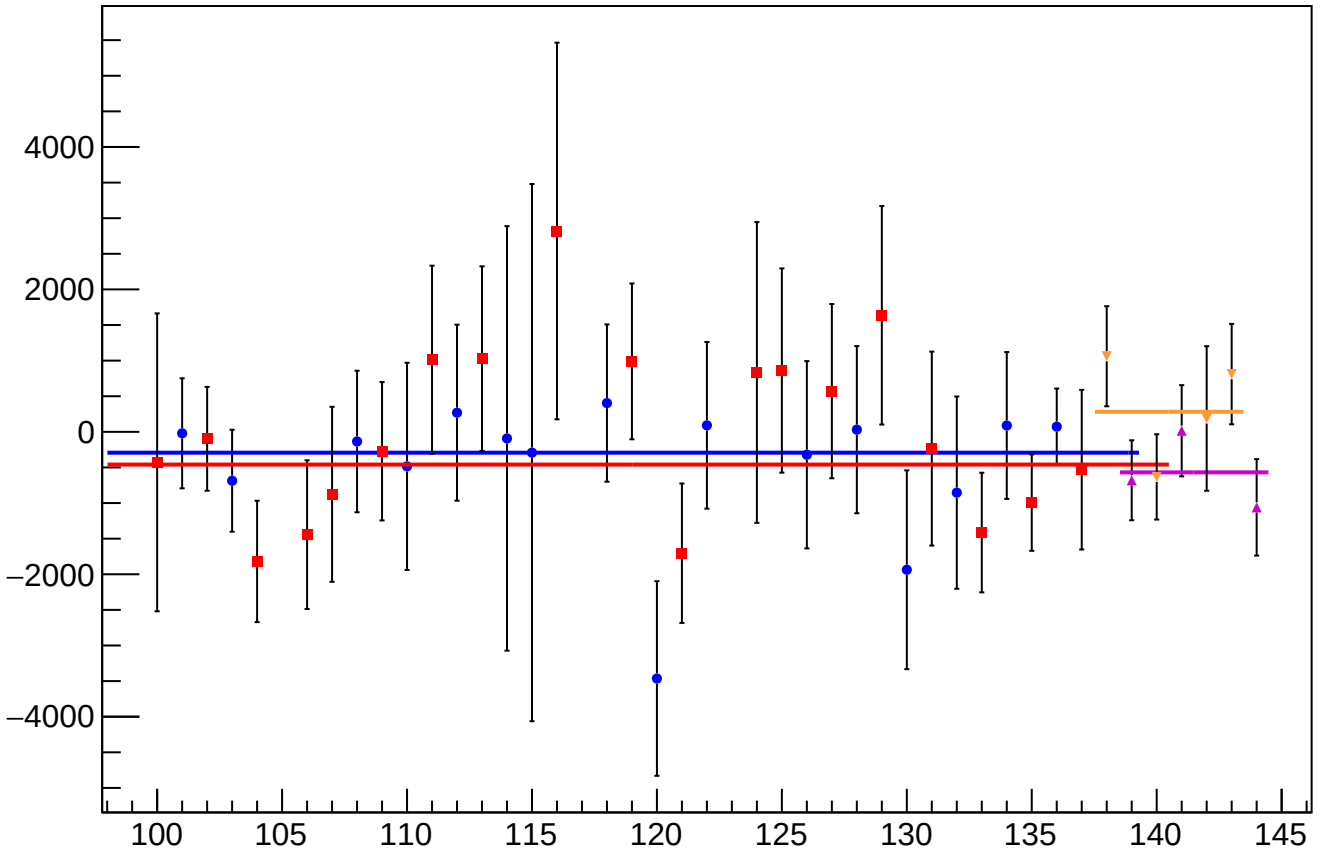
Left: 90.389+/-0.027 χ^2/NDF: 8753.9/6

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.730+/-0.021 χ^2/NDF:113605.0/18

Out: 91.106+/-0.020 χ^2/NDF:109423.4/22

All: 91.408+/-0.014 χ^2/NDF: 223497.0/41



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -568.951+/-358.263 χ^2/NDF:1.4/2

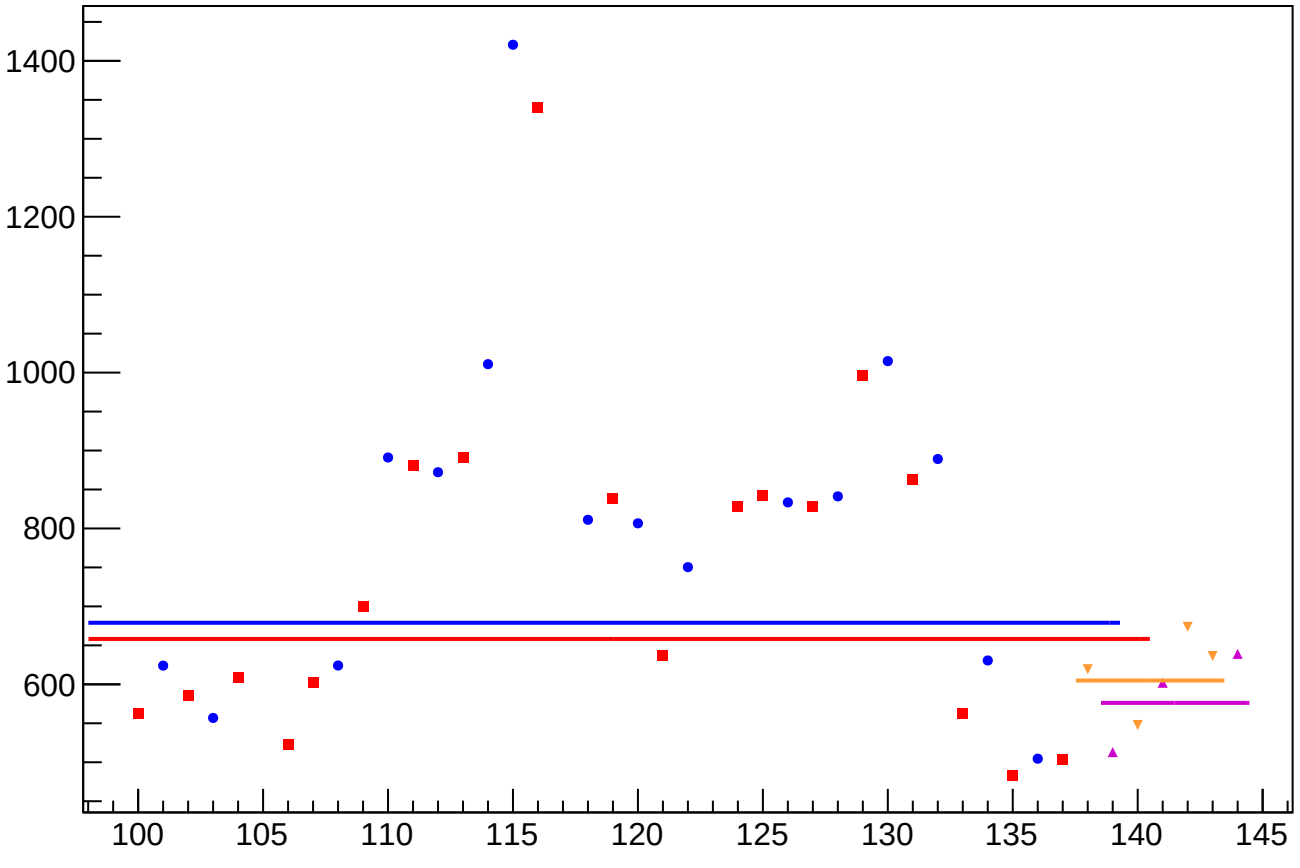
Left: -143.315+/-253.241 χ^2/NDF: 8.4/6

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -387.889+/-210.263 χ^2/NDF:10.6/18

Out: -217.198+/-204.719 χ^2/NDF:24.1/22

All: -300.263+/-146.679 χ^2/NDF: 35.0/41



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 576.184+/-0.253 χ^2/NDF:45817.1/2

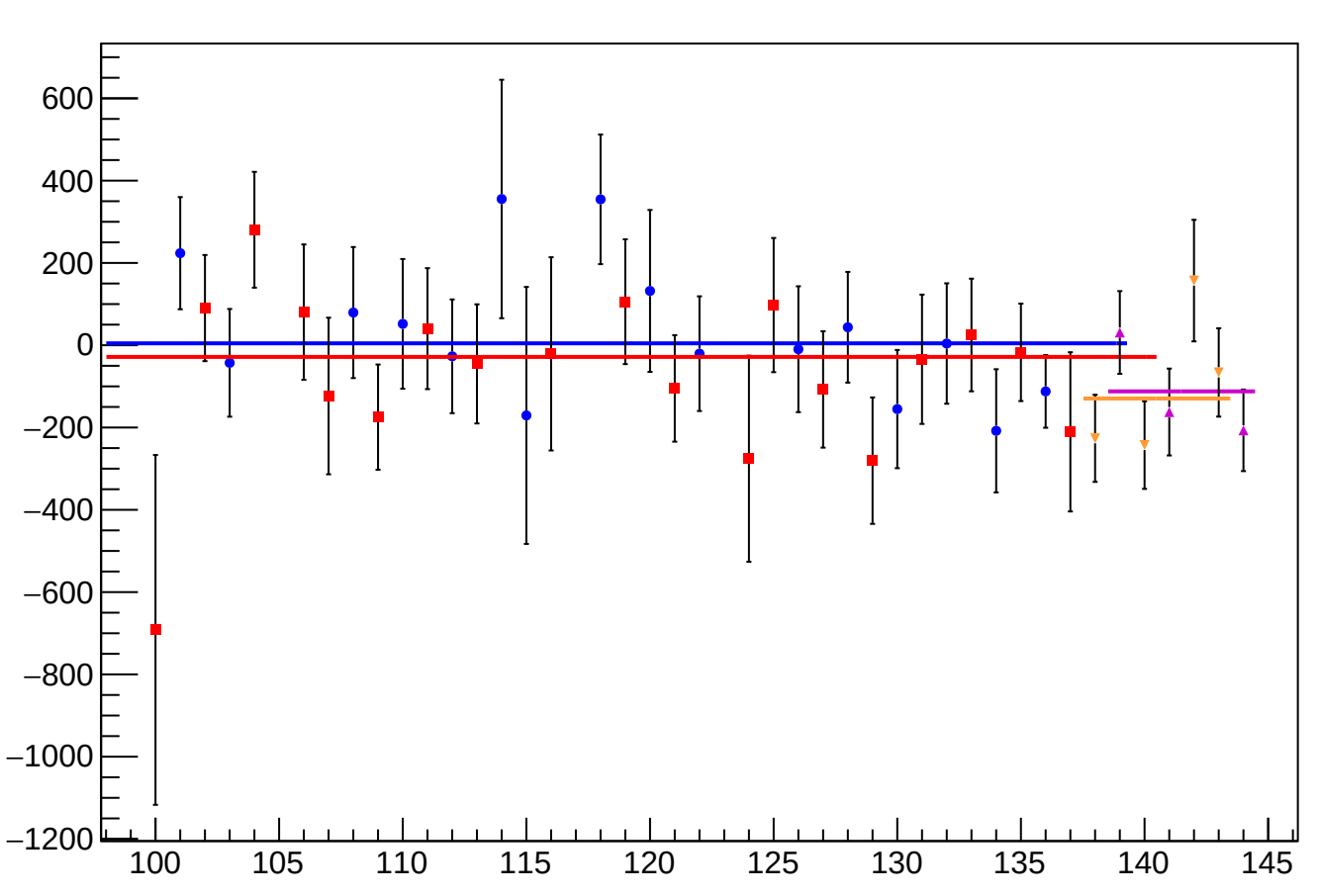
Left: 590.549+/-0.179 χ^2/NDF: 84518.4/6

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.587+/-0.149 χ^2/NDF:921791.0/18

Out: 640.812+/-0.145 χ^2/NDF:868082.1/22

All: 642.162+/-0.104 χ^2/NDF: 1790052.1/41



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -112.148+/-58.687 χ^2/NDF:3.2/2

Left: -121.073+/-40.812 χ^2/NDF: 9.3/6

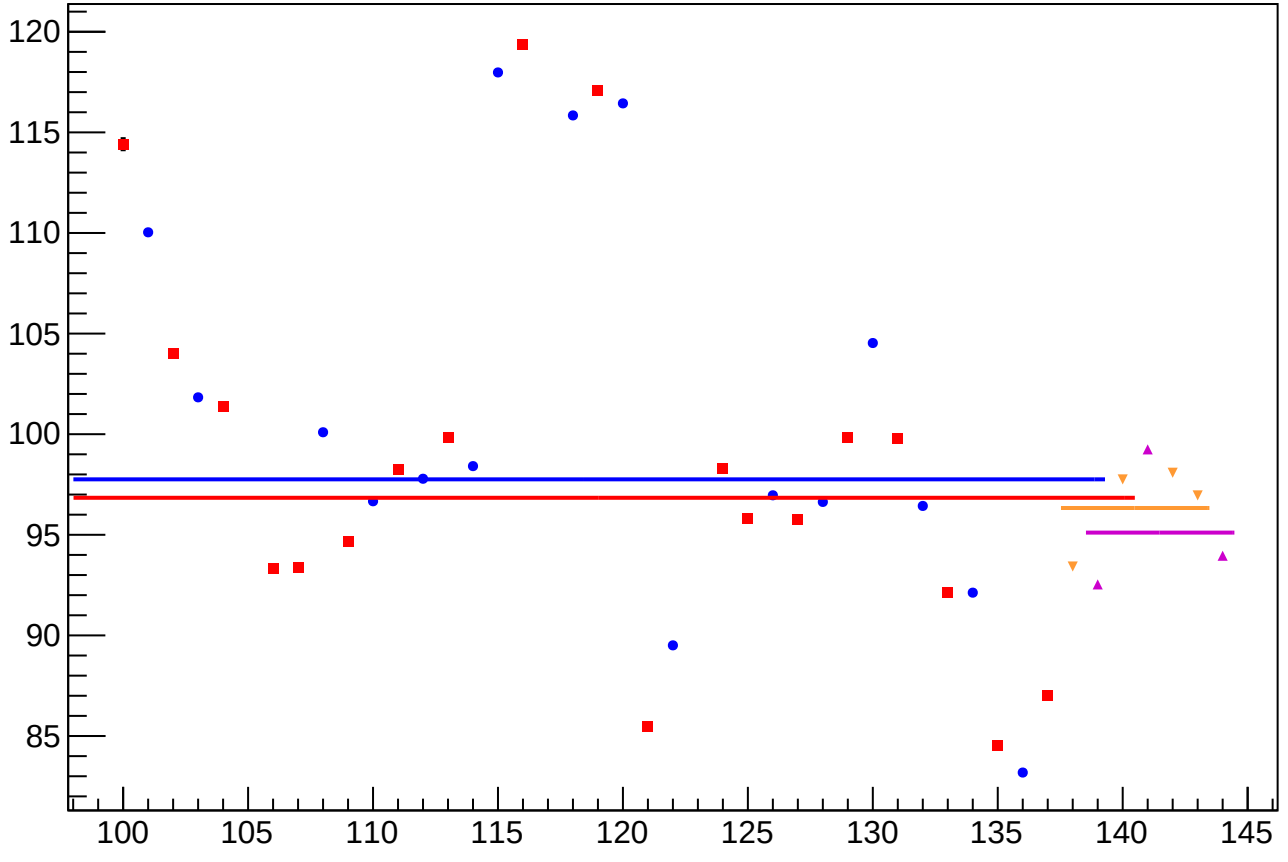
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -27.961+/-31.000 χ^2/NDF:21.4/18

Out: -56.750+/-30.081 χ^2/NDF:25.4/22

All: -42.788+/-21.588 χ^2/NDF: 47.3/41

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 96.332+/-0.040 χ^2/NDF:2216.0/3

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 95.109+/-0.041 χ^2/NDF:4650.5/2

Left: 95.741+/-0.029 χ^2/NDF: 7315.1/6

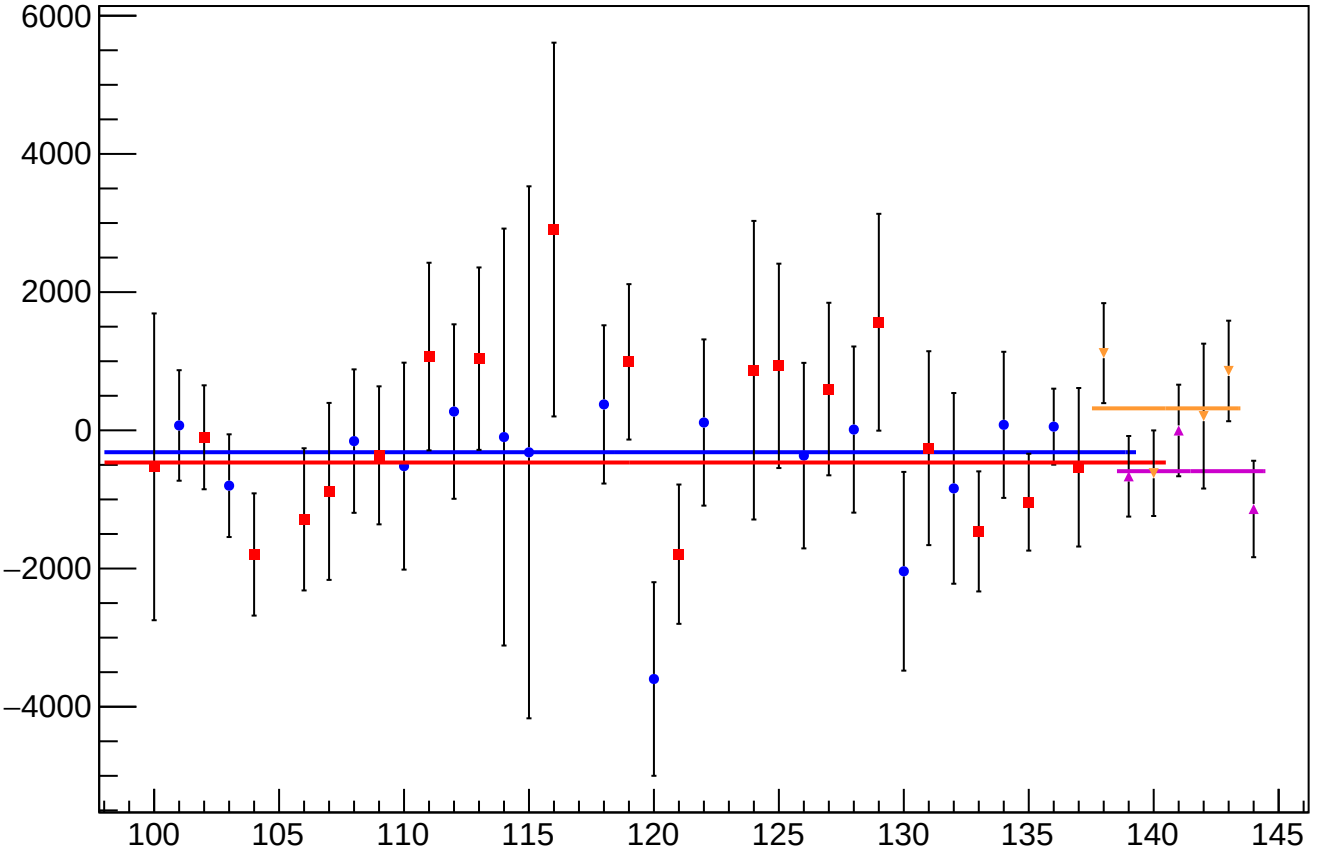
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 97.017+/-0.022 χ^2/NDF:148238.2/18

Out: 96.697+/-0.021 χ^2/NDF:117501.9/22

All: 96.853+/-0.015 χ^2/NDF: 265849.9/41

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: 318.035+/-369.702 χ^2/NDF:4.1/3

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -591.047+/-370.854 χ^2/NDF:1.4/2

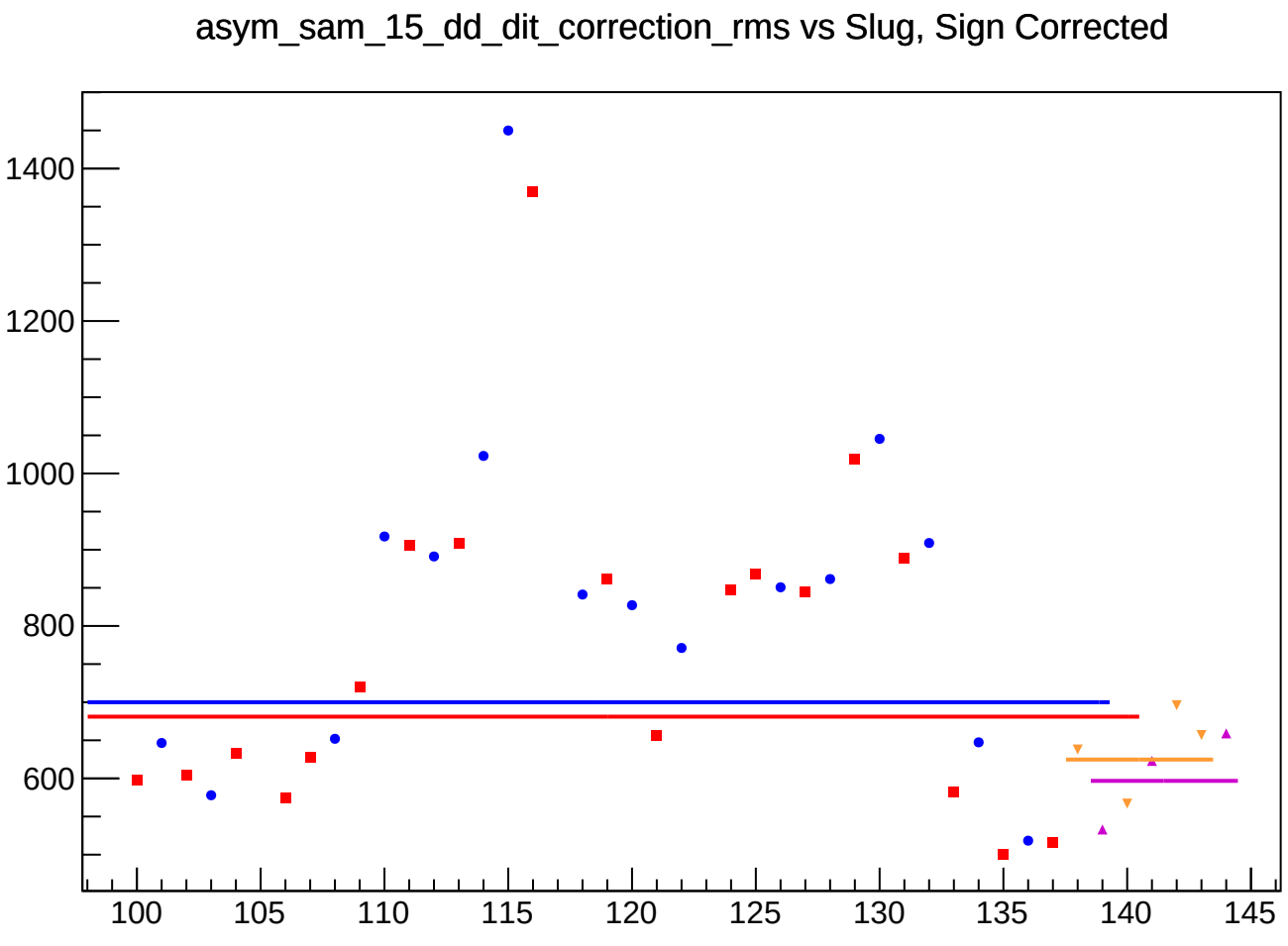
Left: -135.093+/-261.825 χ^2/NDF: 8.5/6

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -410.512+/-216.959 χ^2/NDF:10.9/18

Out: -210.750+/-210.826 χ^2/NDF:23.6/22

All: -307.768+/-151.198 χ^2/NDF: 35.0/41



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 624.746+/-0.261 χ^2/NDF:31233.5/3

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 596.798+/-0.262 χ^2/NDF:42968.6/2

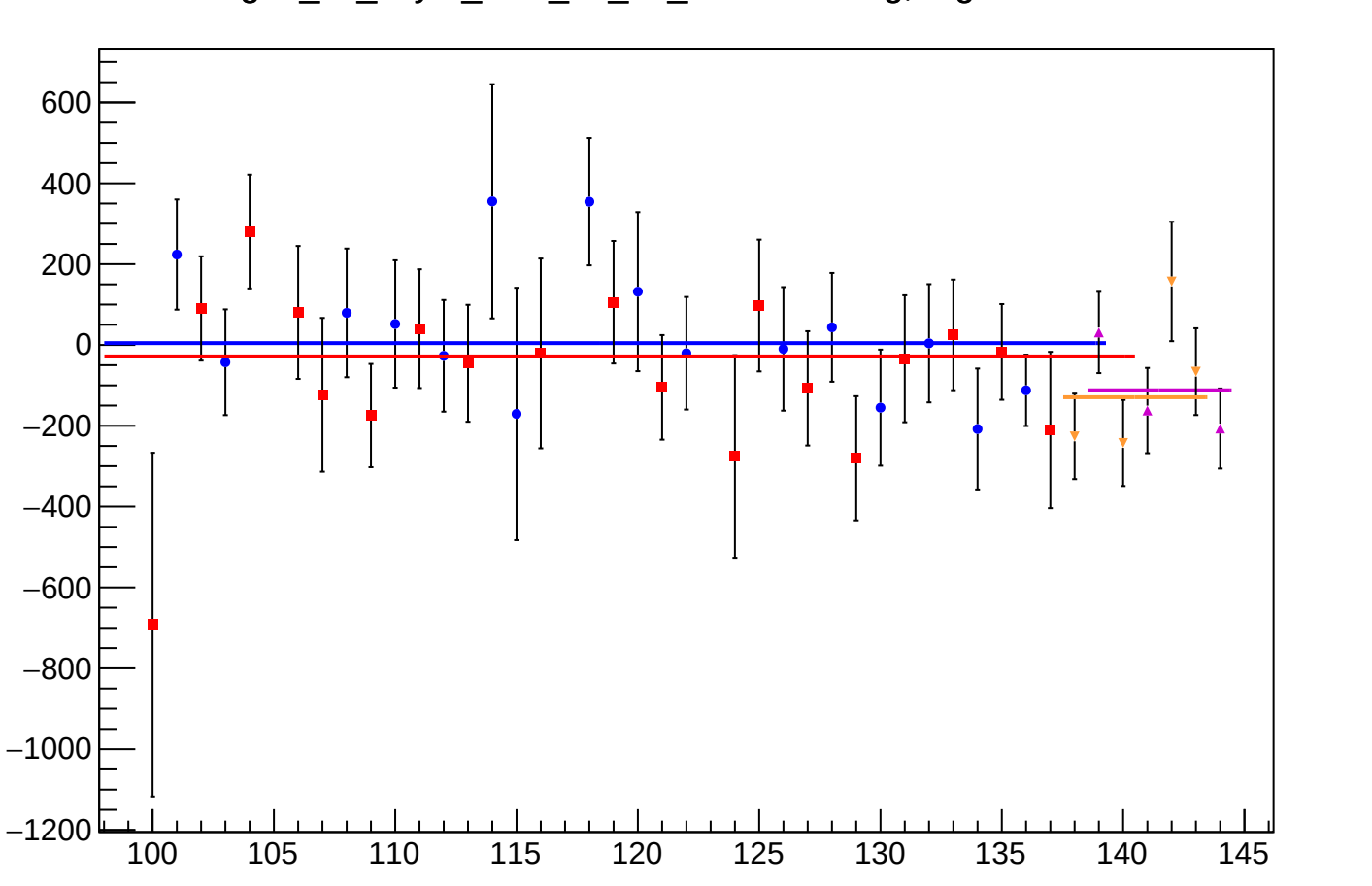
Left: 610.815+/-0.185 χ^2/NDF: 79899.1/6

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 664.661+/-0.153 χ^2/NDF:898453.2/18

Out: 662.718+/-0.149 χ^2/NDF:831896.3/22

All: 663.661+/-0.107 χ^2/NDF: 1730432.0/41



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -112.148+/-58.688 χ^2/NDF:3.2/2

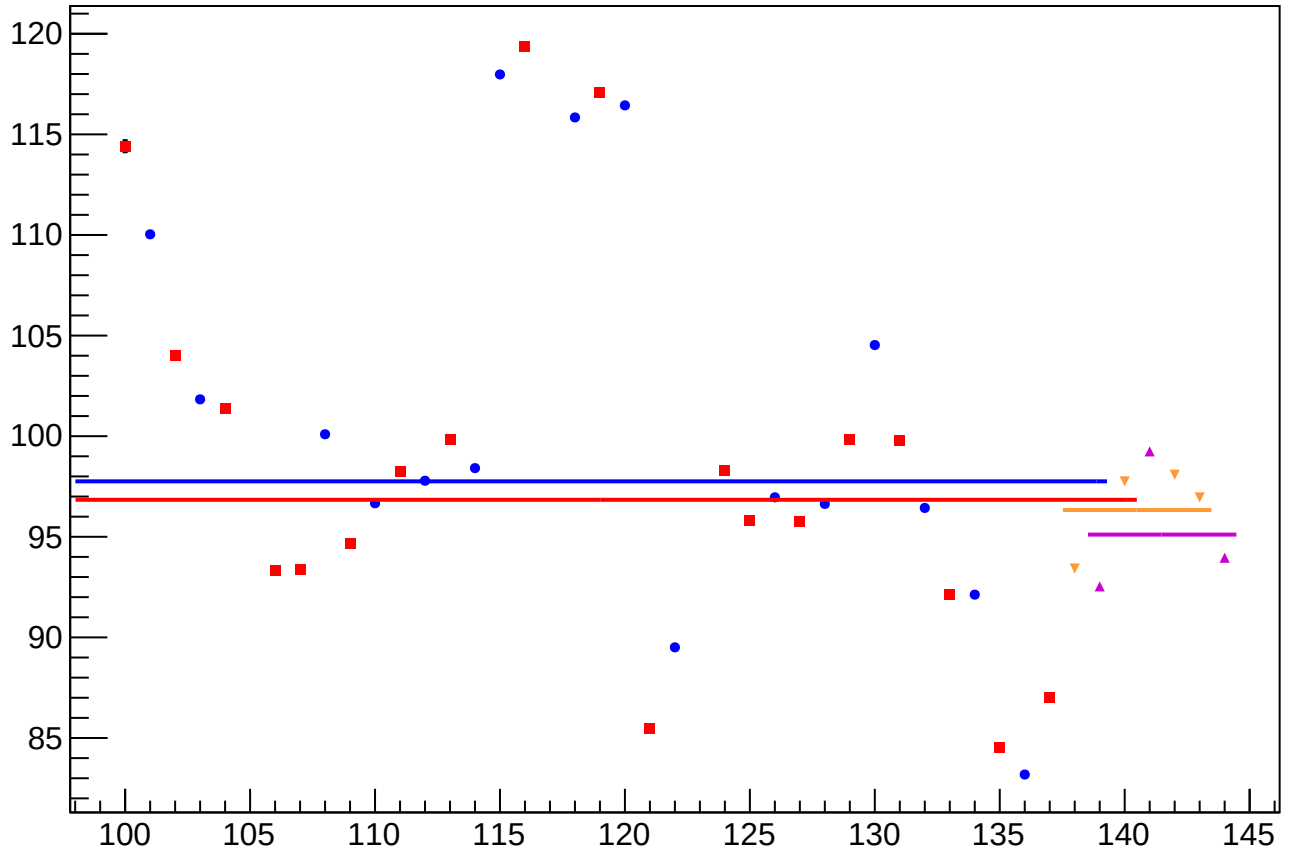
Left: -121.074+/-40.812 χ^2/NDF: 9.3/6

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -27.960+/-31.000 χ^2/NDF:21.4/18

Out: -56.750+/-30.081 χ^2/NDF:25.4/22

All: -42.788+/-21.588 χ^2/NDF: 47.3/41



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 96.332+/-0.040 χ^2/NDF:2215.6/3

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 95.109+/-0.041 χ^2/NDF:4650.7/2

Left: 95.741+/-0.029 χ^2/NDF: 7314.9/6

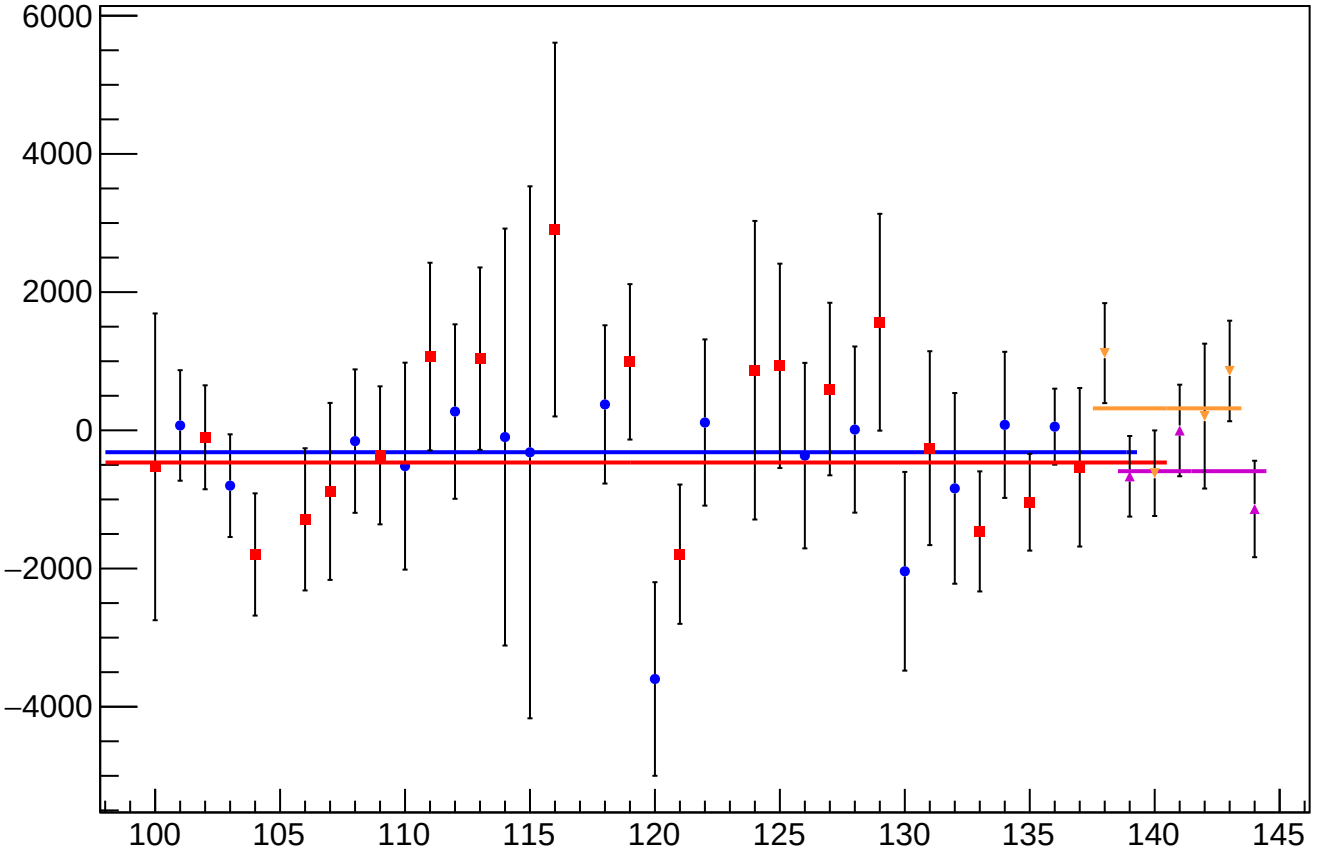
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 97.017+/-0.022 χ^2/NDF:148237.7/18

Out: 96.697+/-0.021 χ^2/NDF:117503.5/22

All: 96.852+/-0.015 χ^2/NDF: 265851.1/41

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 318.035+/-369.703 χ^2/NDF:4.1/3

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -591.049+/-370.854 χ^2/NDF:1.4/2

Left: -135.093+/-261.826 χ^2/NDF: 8.5/6

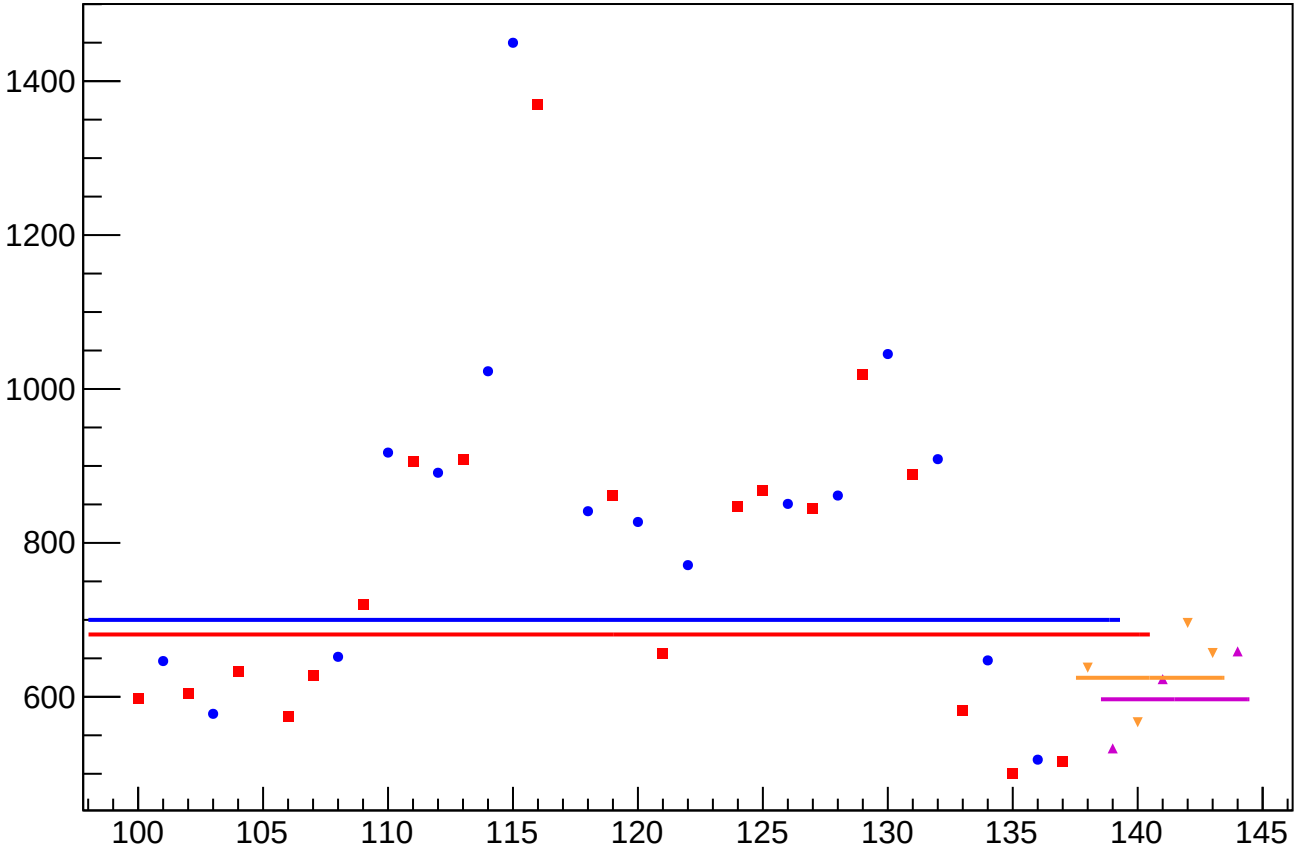
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -410.511+/-216.959 χ^2/NDF:10.9/18

Out: -210.751+/-210.826 χ^2/NDF:23.6/22

All: -307.768+/-151.198 χ^2/NDF: 35.0/41

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: 624.747+/-0.261 χ^2/NDF:31232.5/3

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 596.799+/-0.262 χ^2/NDF:42968.3/2

Left: 610.816+/-0.185 χ^2/NDF: 79897.8/6

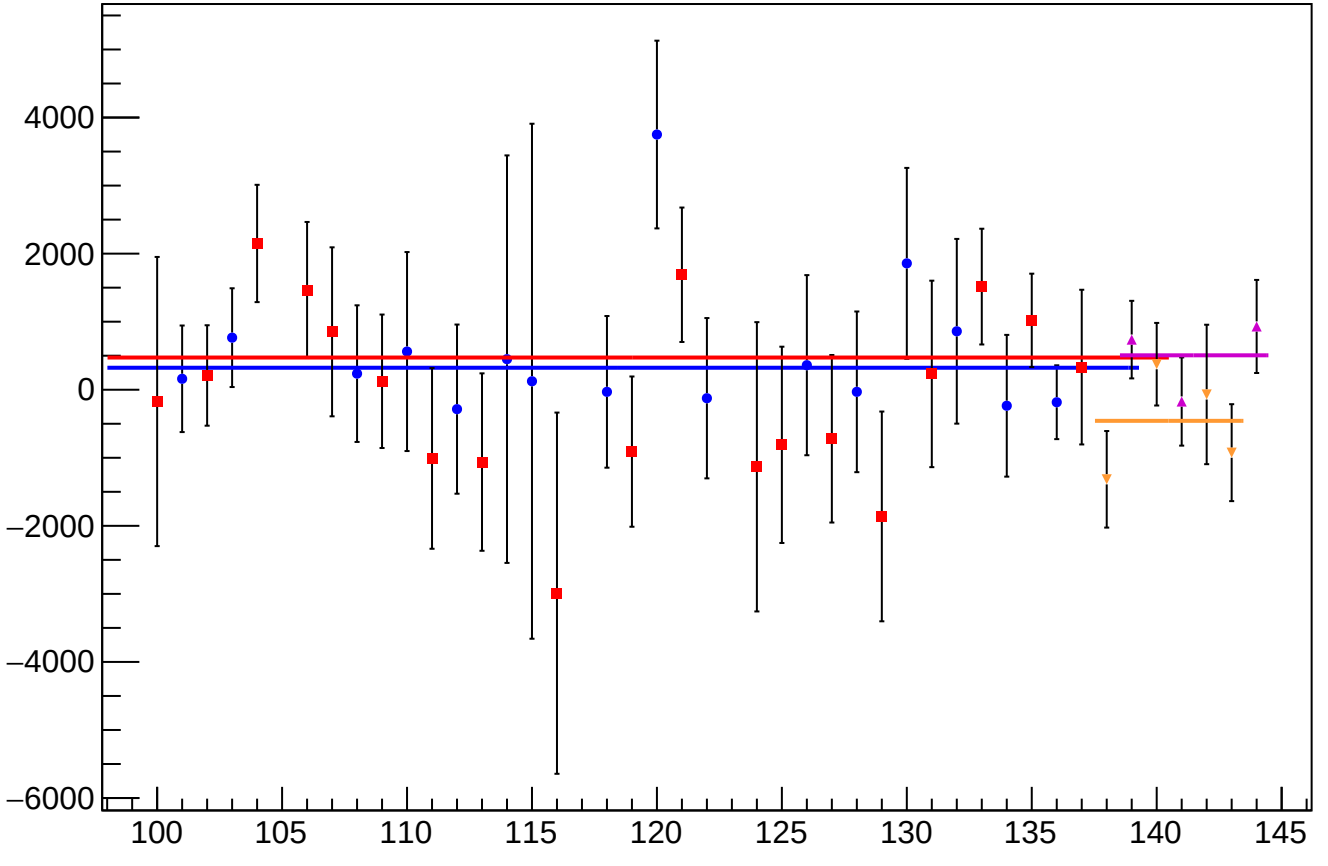
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 664.660+/-0.153 χ^2/NDF:898451.0/18

Out: 662.717+/-0.149 χ^2/NDF:831895.7/22

All: 663.661+/-0.107 χ^2/NDF: 1730429.2/41

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -457.093+/-362.138 χ^2/NDF:3.9/3

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 505.860+/-362.798 χ^2/NDF:1.6/2

Left: 23.507+/-256.303 χ^2/NDF: 9.1/6

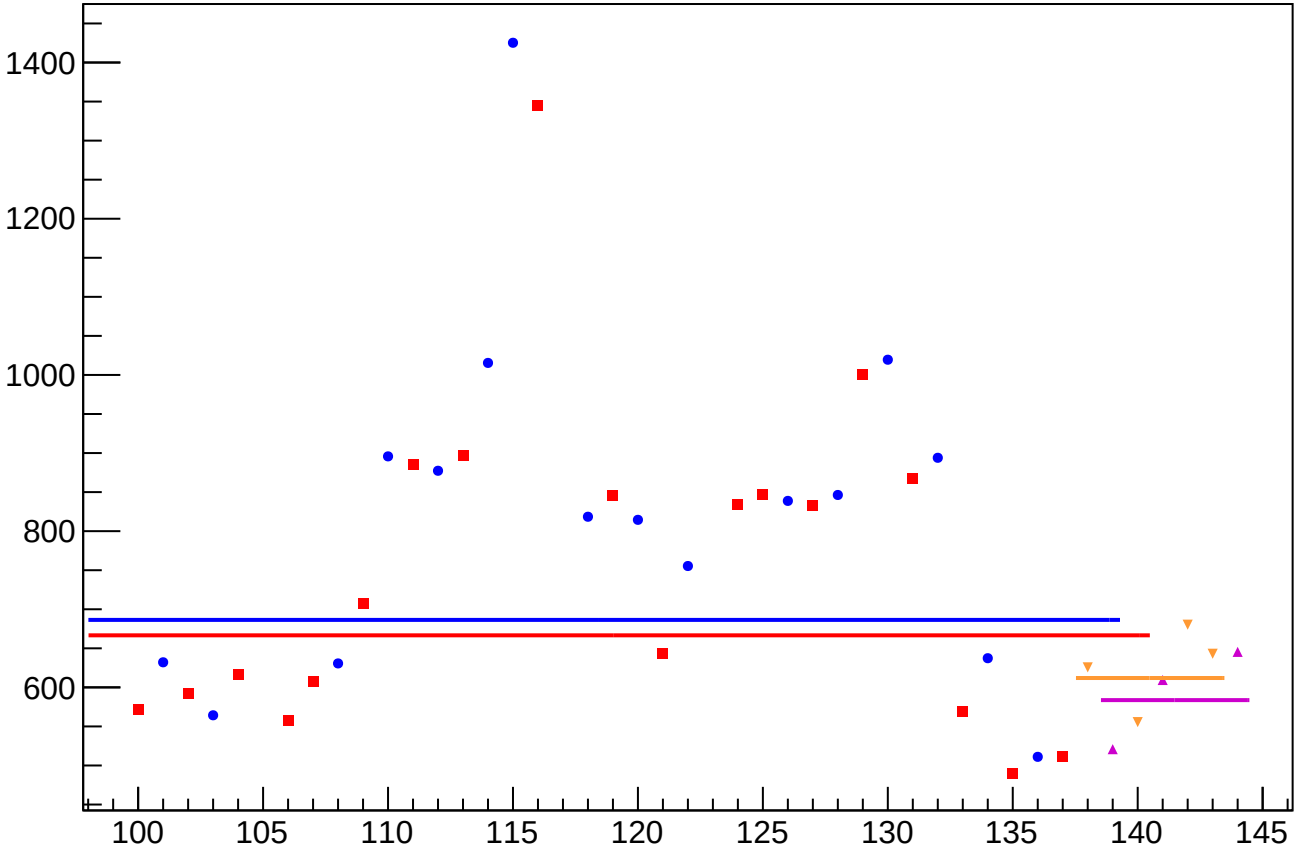
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 385.913+/-212.581 χ^2/NDF:11.5/18

Out: 170.802+/-206.476 χ^2/NDF:27.8/22

All: 275.224+/-148.112 χ^2/NDF: 39.8/41

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 611.995+/-0.256 χ^2/NDF:30734.6/3

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 583.694+/-0.257 χ^2/NDF:43773.6/2

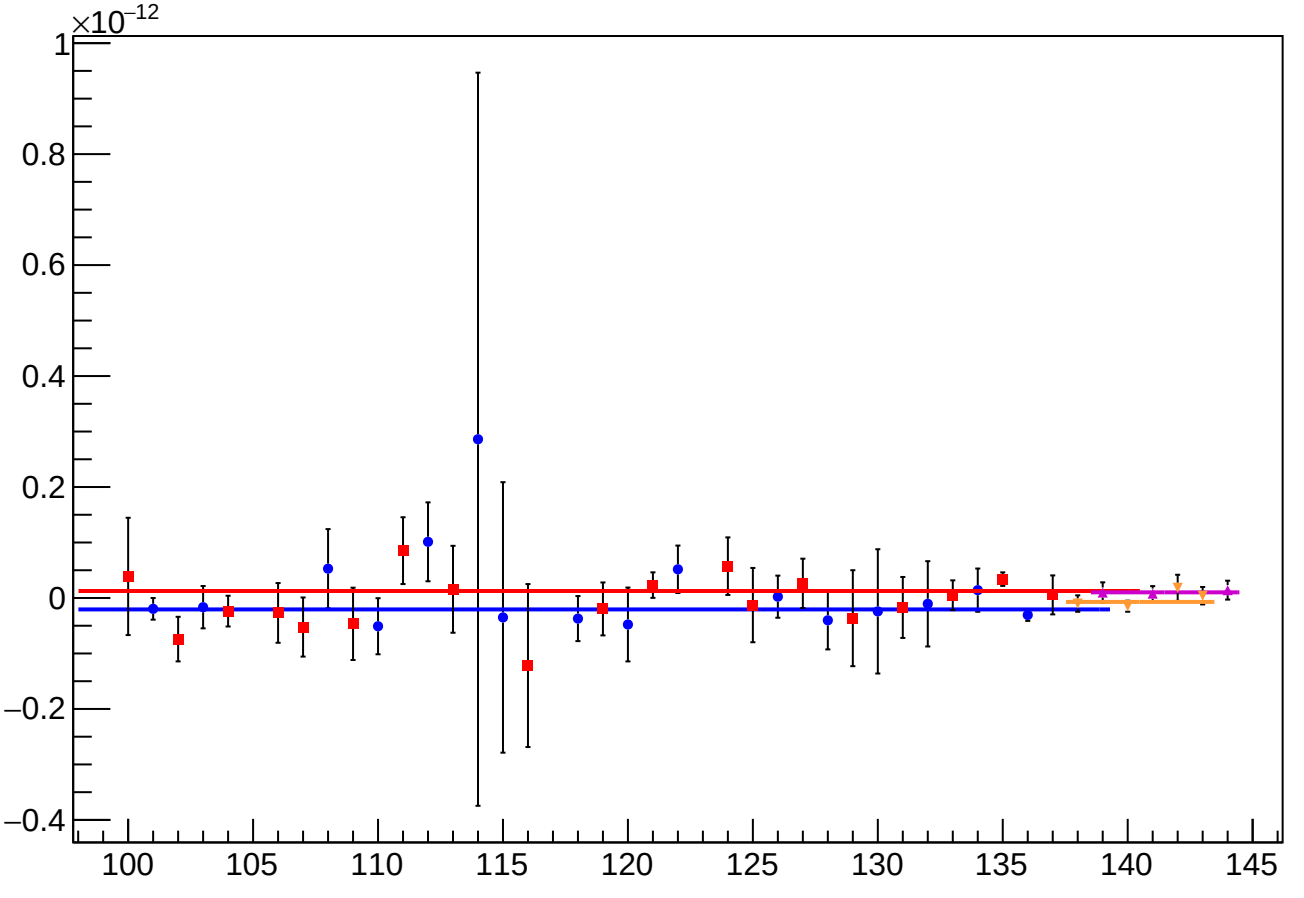
Left: 597.871+/-0.181 χ^2/NDF: 80604.4/6

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.134+/-0.150 χ^2/NDF:898469.0/18

Out: 648.872+/-0.146 χ^2/NDF:838496.9/22

All: 649.970+/-0.105 χ^2/NDF: 1737082.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/2

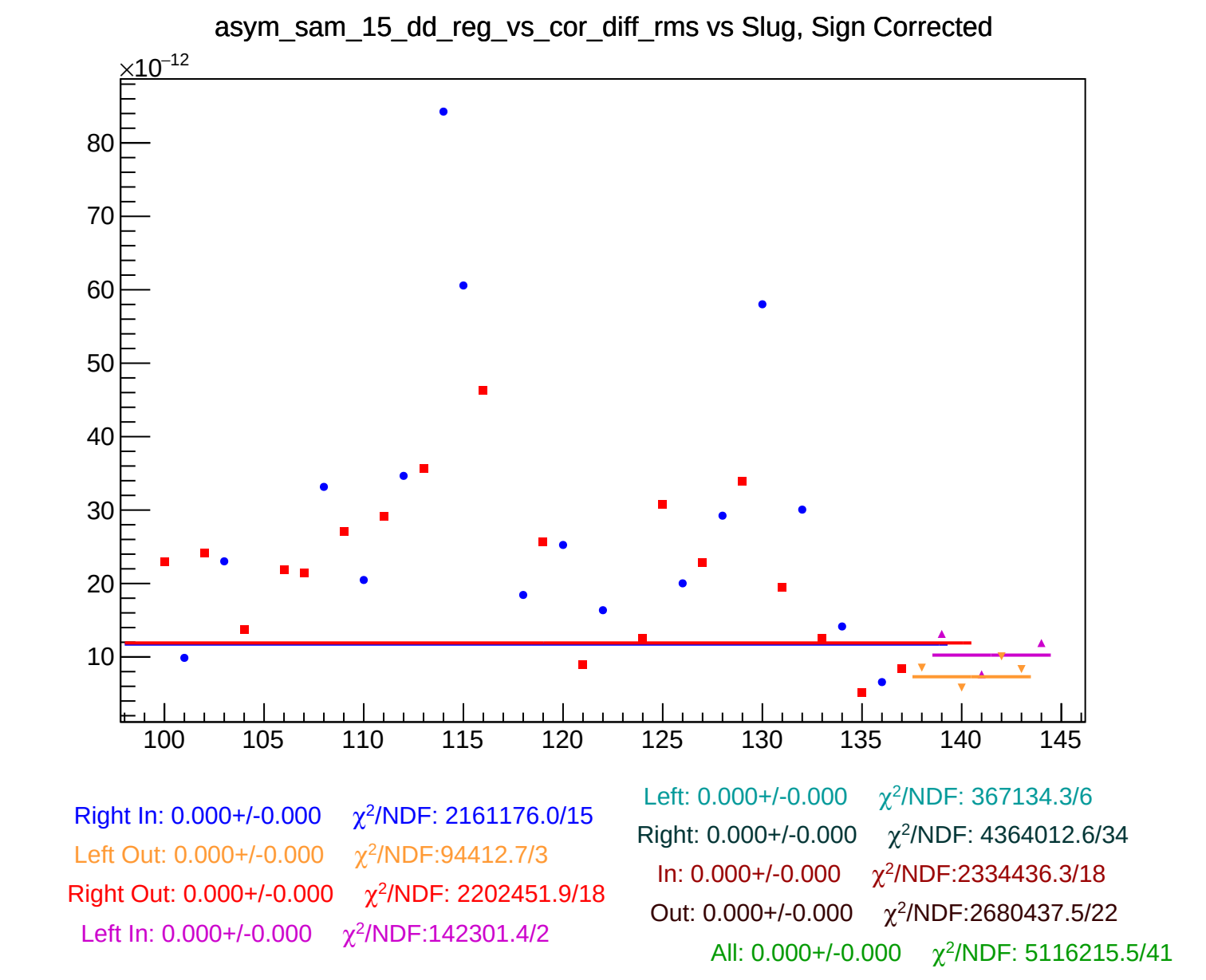
Left: -0.000+/-0.000 χ^2/NDF: 4.6/6

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:16.6/18

Out: 0.000+/-0.000 χ^2/NDF:22.9/22

All: -0.000+/-0.000 χ^2/NDF: 40.8/41


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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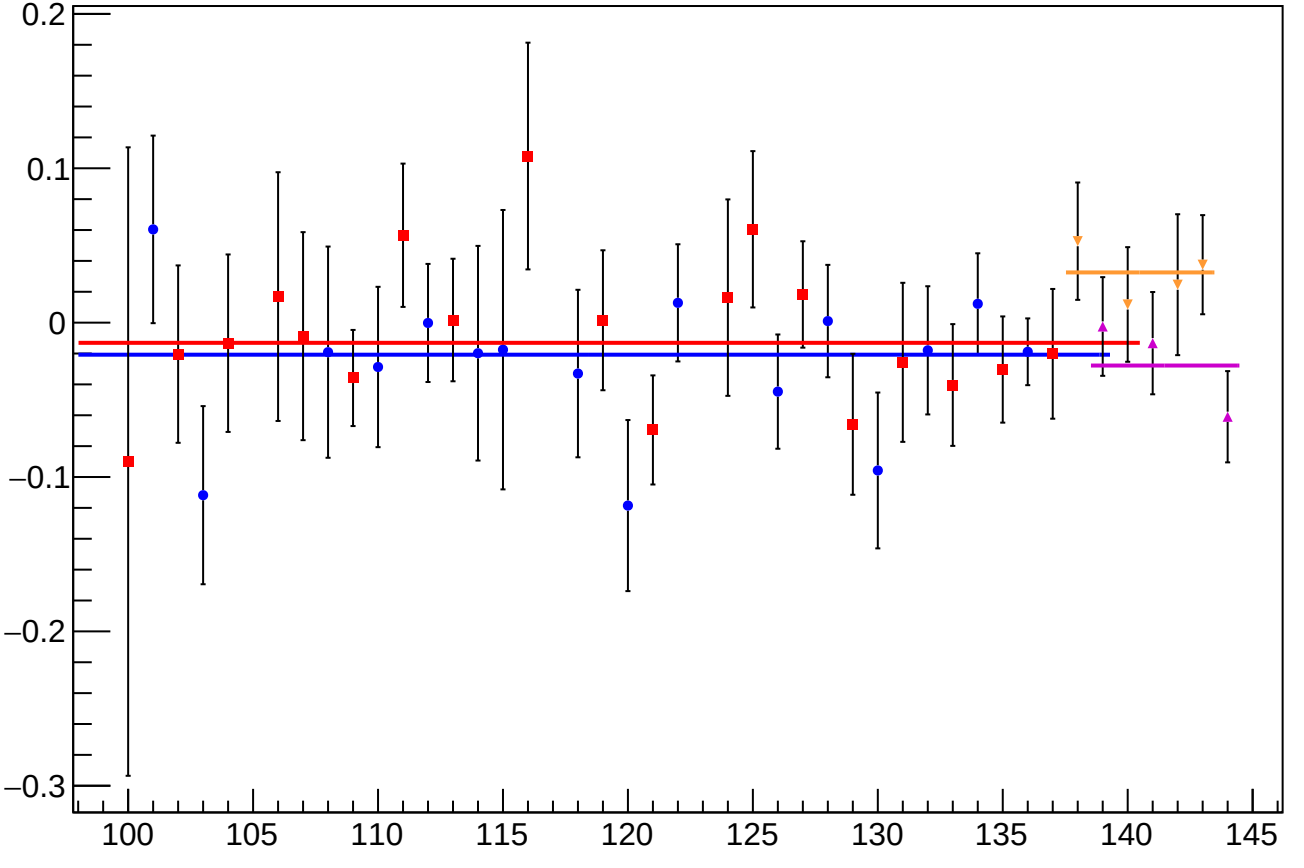
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:94412.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:142301.4/2
Left: 0.000+/-0.000 χ²/NDF: 367134.3/6
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2334436.3/18
Out: 0.000+/-0.000 χ²/NDF:2680437.5/22
All: 0.000+/-0.000 χ²/NDF: 5116215.5/41



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.018 χ^2/NDF:2.1/2

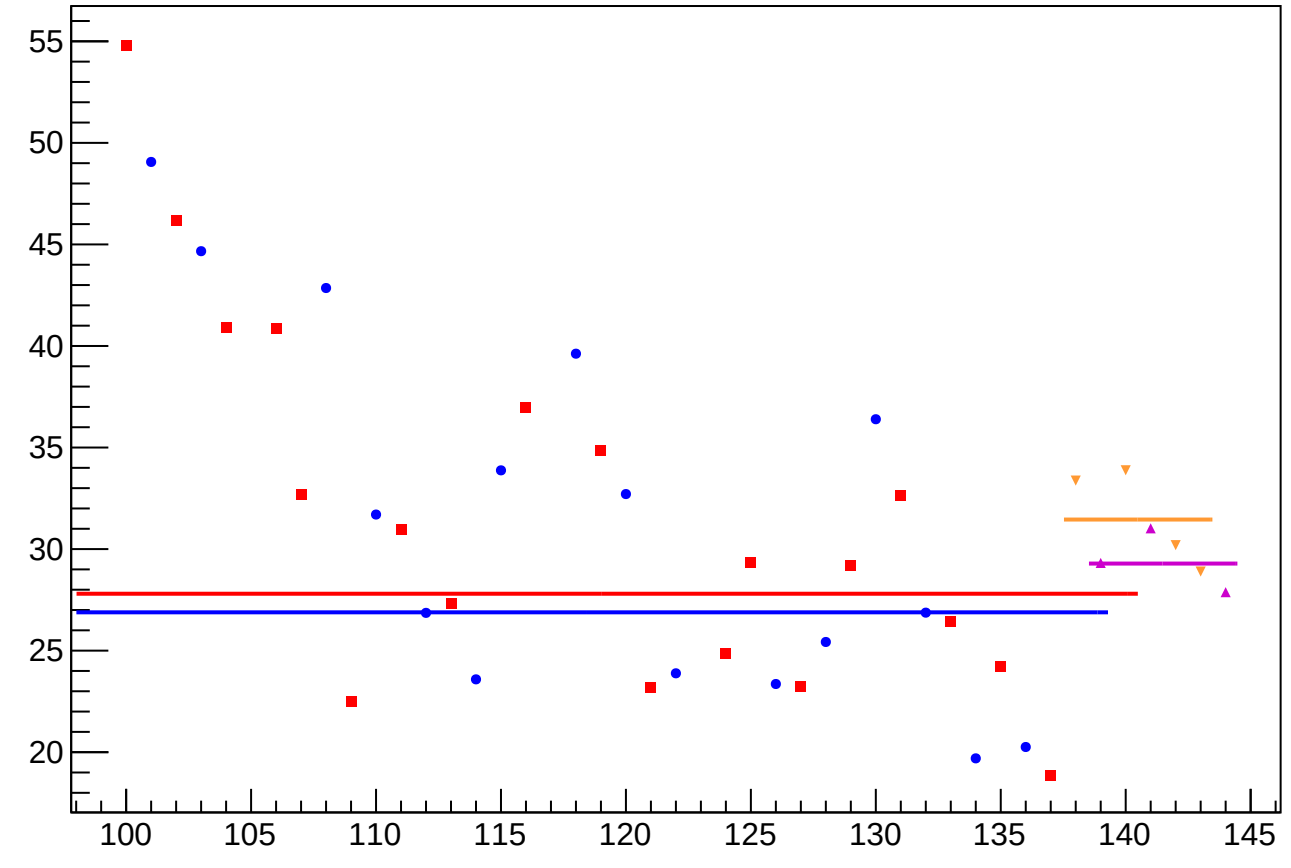
Left: 0.002+/-0.013 χ^2/NDF: 8.1/6

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:14.7/18

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.012+/-0.006 χ^2/NDF: 36.3/41



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.454+/-0.013 χ^2/NDF:27866.4/3

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 29.287+/-0.013 χ^2/NDF:10031.2/2

Left: 30.340+/-0.009 χ^2/NDF: 51750.3/6

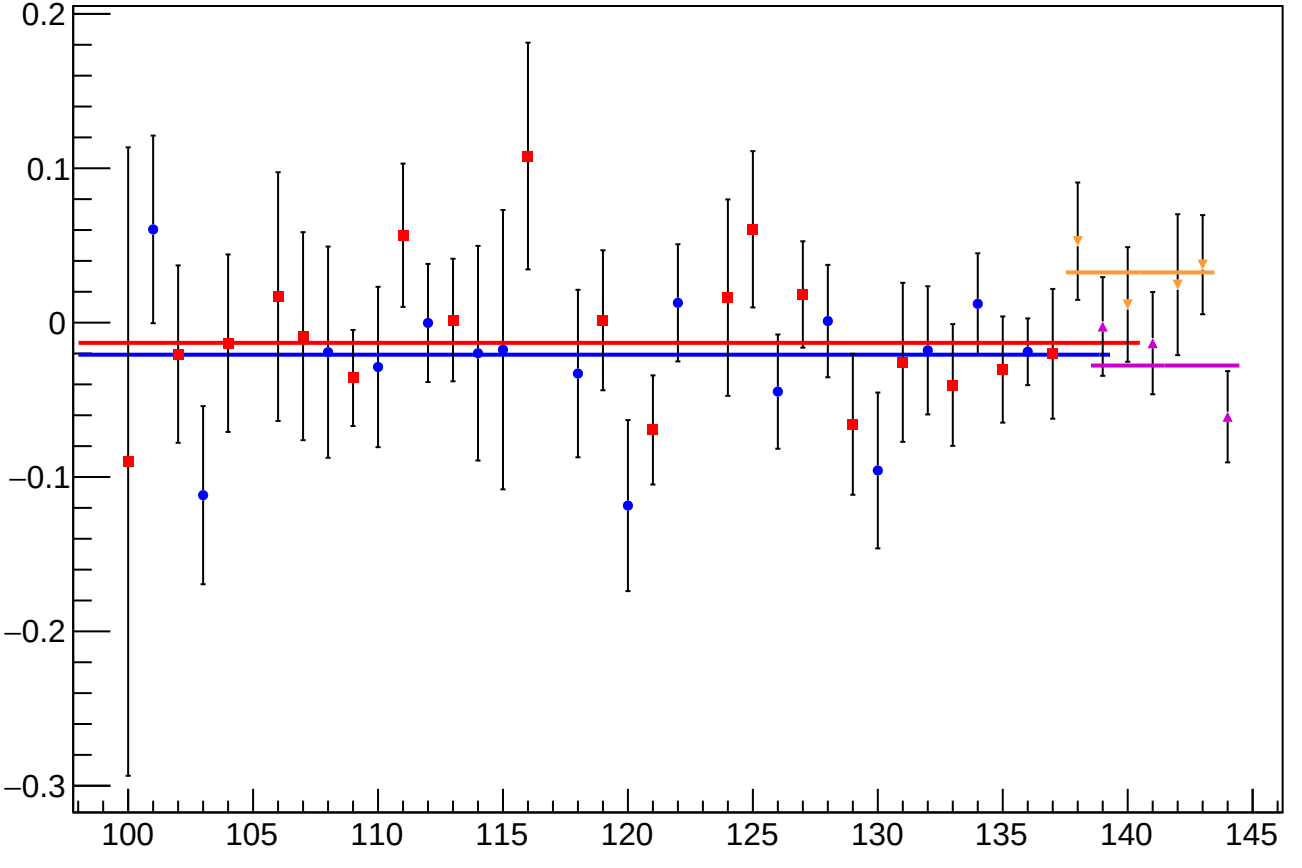
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.489+/-0.006 χ^2/NDF:1156788.9/18

Out: 28.684+/-0.006 χ^2/NDF:848999.8/22

All: 28.081+/-0.005 χ^2/NDF: 2022911.9/41

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.018 χ^2/NDF:2.1/2

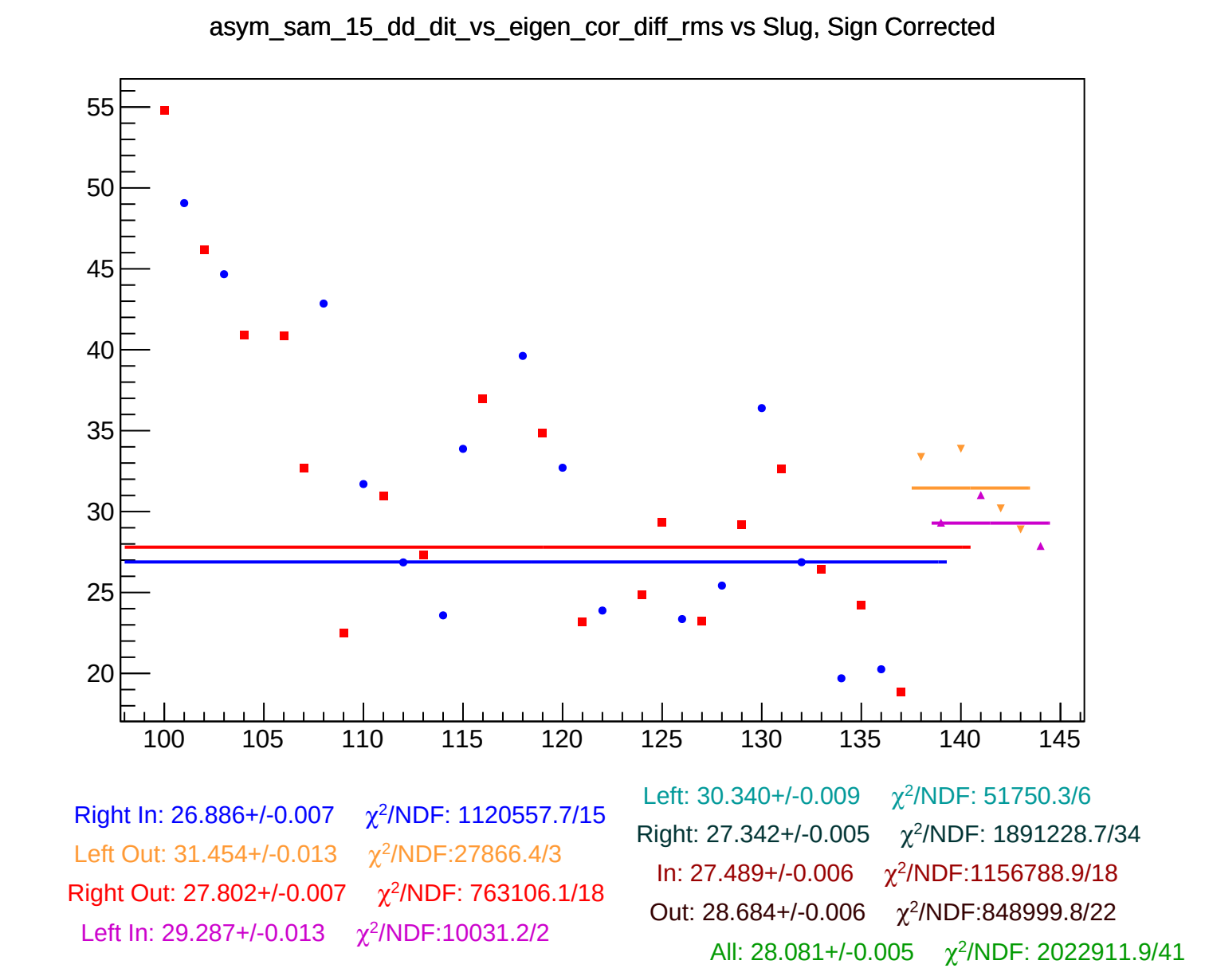
Left: 0.002+/-0.013 χ^2/NDF: 8.1/6

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:14.7/18

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.012+/-0.006 χ^2/NDF: 36.3/41


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
55
50
45
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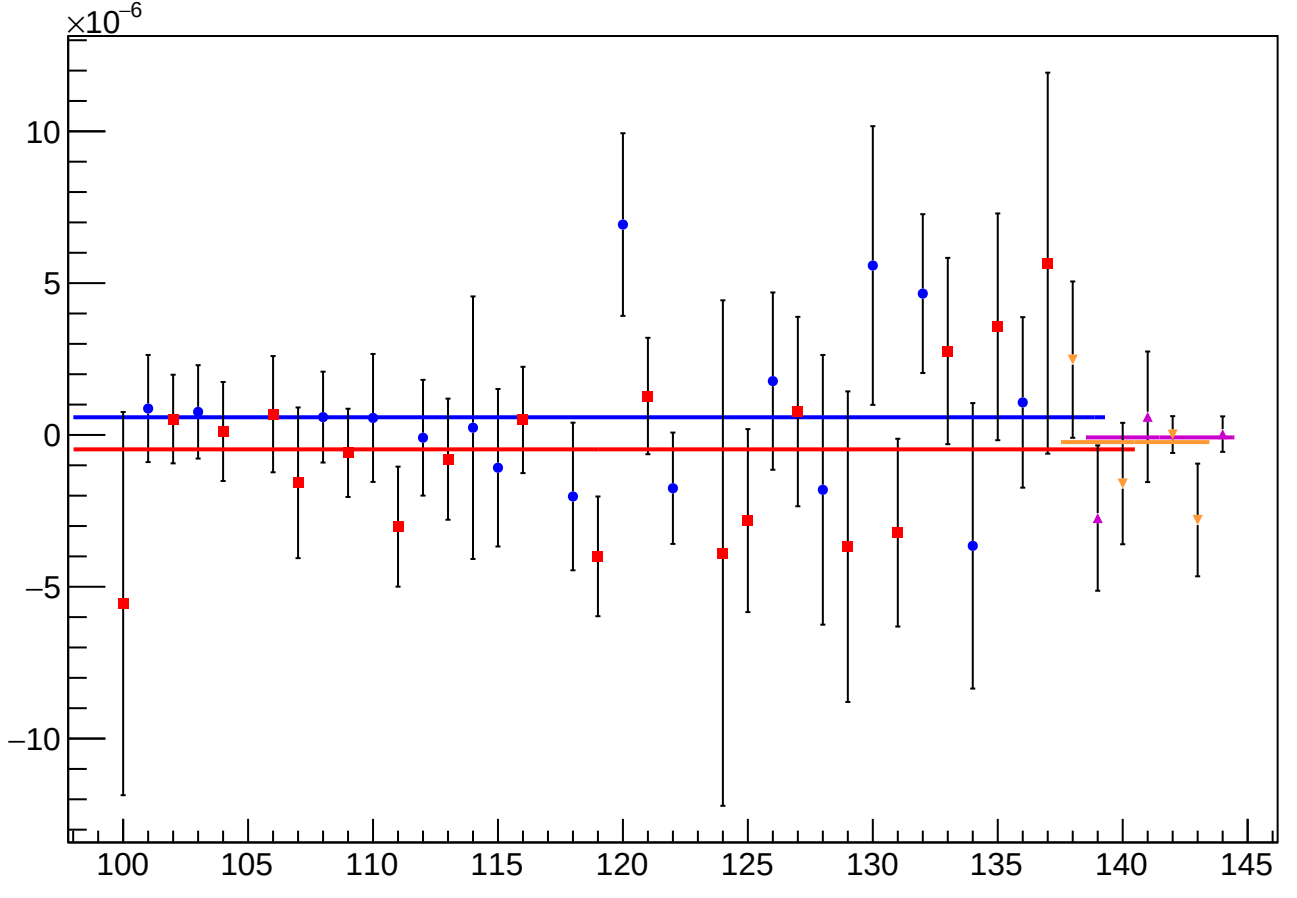
25
20
100
105
110
115
120
125
130
135
140
145
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.454+/-0.013 χ²/NDF:27866.4/3
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 29.287+/-0.013 χ²/NDF:10031.2/2
Left: 30.340+/-0.009 χ²/NDF: 51750.3/6
Right: 27.342+/-0.005 χ²/NDF: 1891228.7/34
In: 27.489+/-0.006 χ²/NDF:1156788.9/18
Out: 28.684+/-0.006 χ²/NDF:848999.8/22
All: 28.081+/-0.005 χ²/NDF: 2022911.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

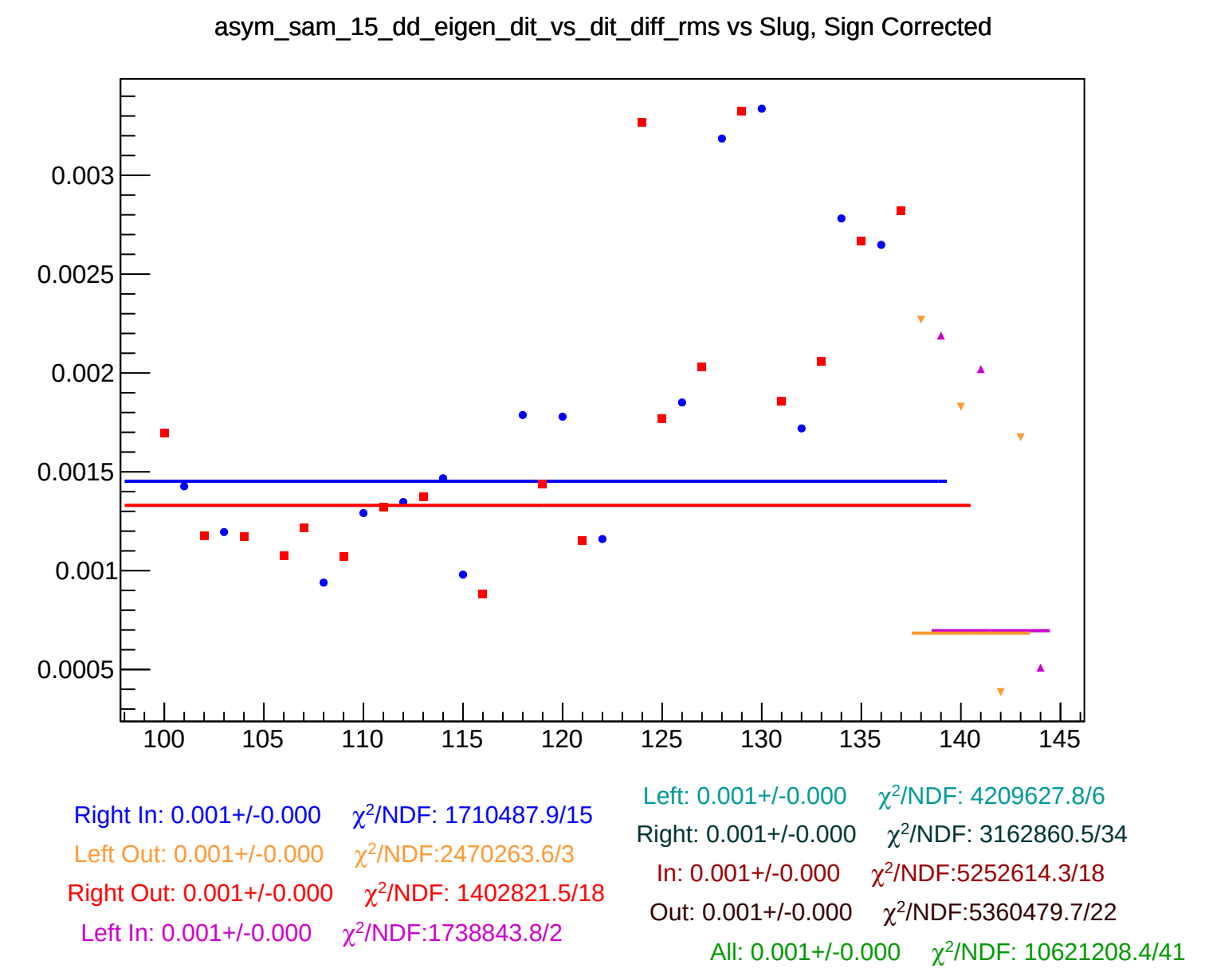
Left: -0.000+/-0.000 χ^2/NDF: 5.1/6

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

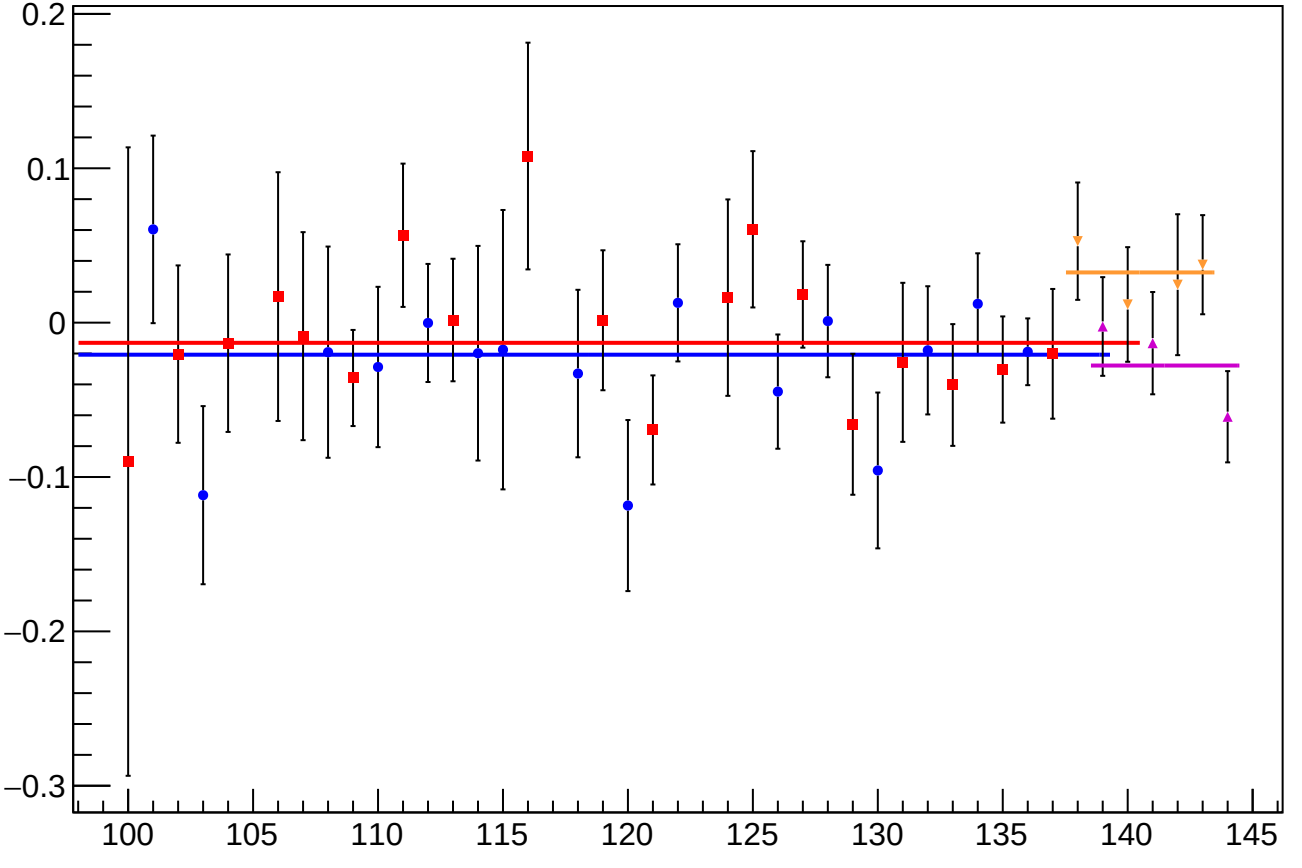
In: 0.000+/-0.000 χ^2/NDF:14.8/18

Out: -0.000+/-0.000 χ^2/NDF:17.0/22

All: -0.000+/-0.000 χ^2/NDF: 32.9/41


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2470263.6/3
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:1738843.8/2
Left: 0.001+/-0.000 χ²/NDF: 4209627.8/6
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:5252614.3/18
Out: 0.001+/-0.000 χ²/NDF:5360479.7/22
All: 0.001+/-0.000 χ²/NDF: 10621208.4/41

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.018 χ^2/NDF:2.1/2

Left: 0.002+/-0.013 χ^2/NDF: 8.1/6

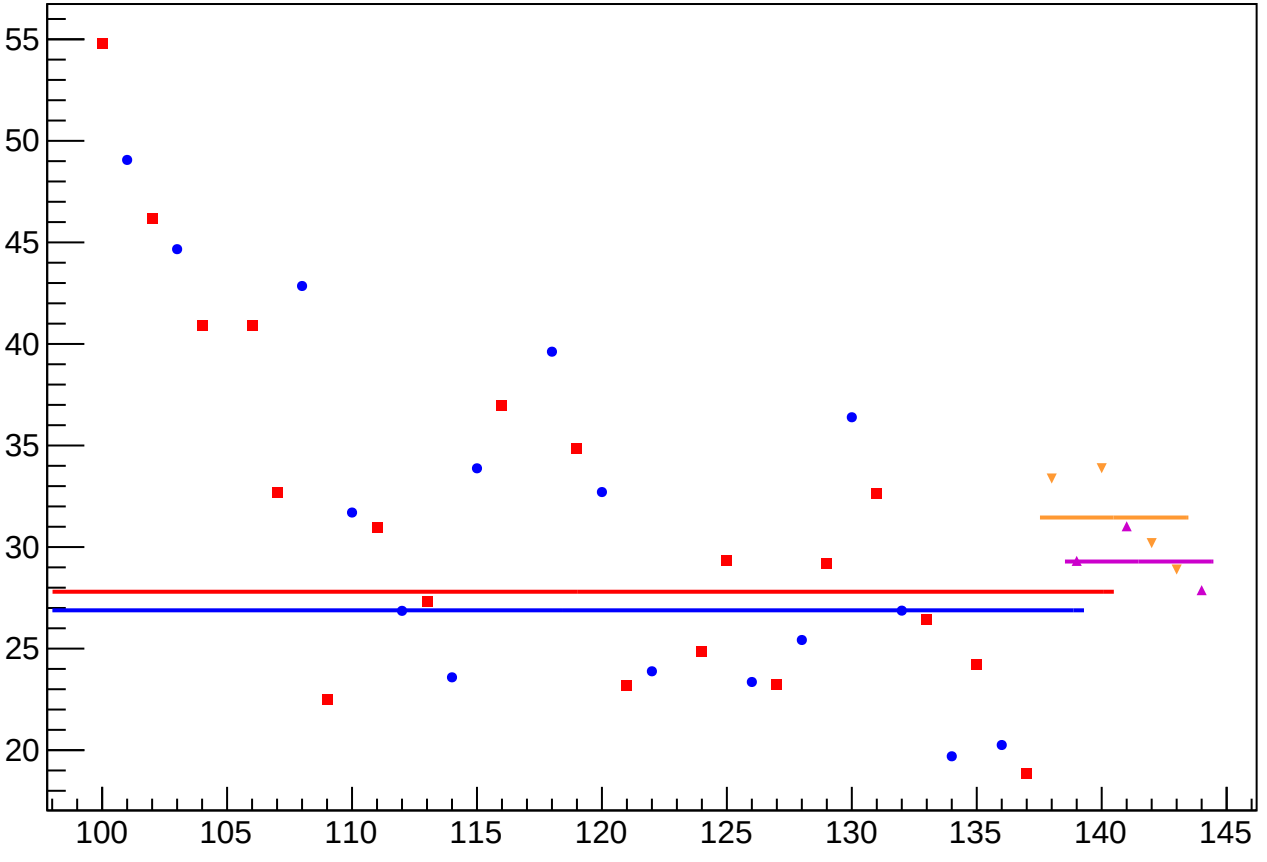
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:14.7/18

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.012+/-0.006 χ^2/NDF: 36.3/41

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.455+/-0.013 χ^2/NDF:27890.4/3

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.288+/-0.013 χ^2/NDF:10039.1/2

Left: 30.340+/-0.009 χ^2/NDF: 51775.5/6

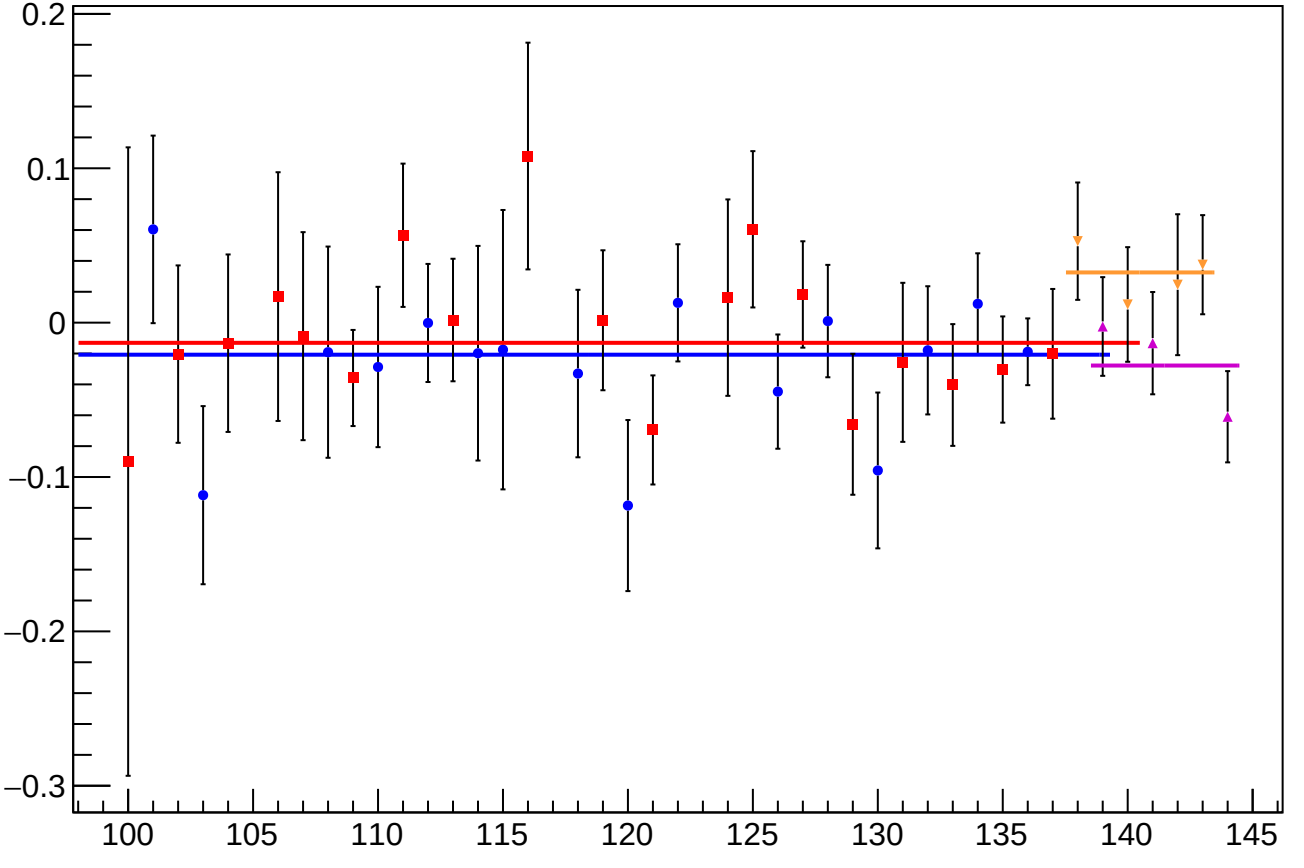
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.488+/-0.006 χ^2/NDF:1156839.3/18

Out: 28.683+/-0.006 χ^2/NDF:849179.6/22

All: 28.080+/-0.005 χ^2/NDF: 2023128.3/41

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.018 χ^2/NDF:2.1/2

Left: 0.002+/-0.013 χ^2/NDF: 8.1/6

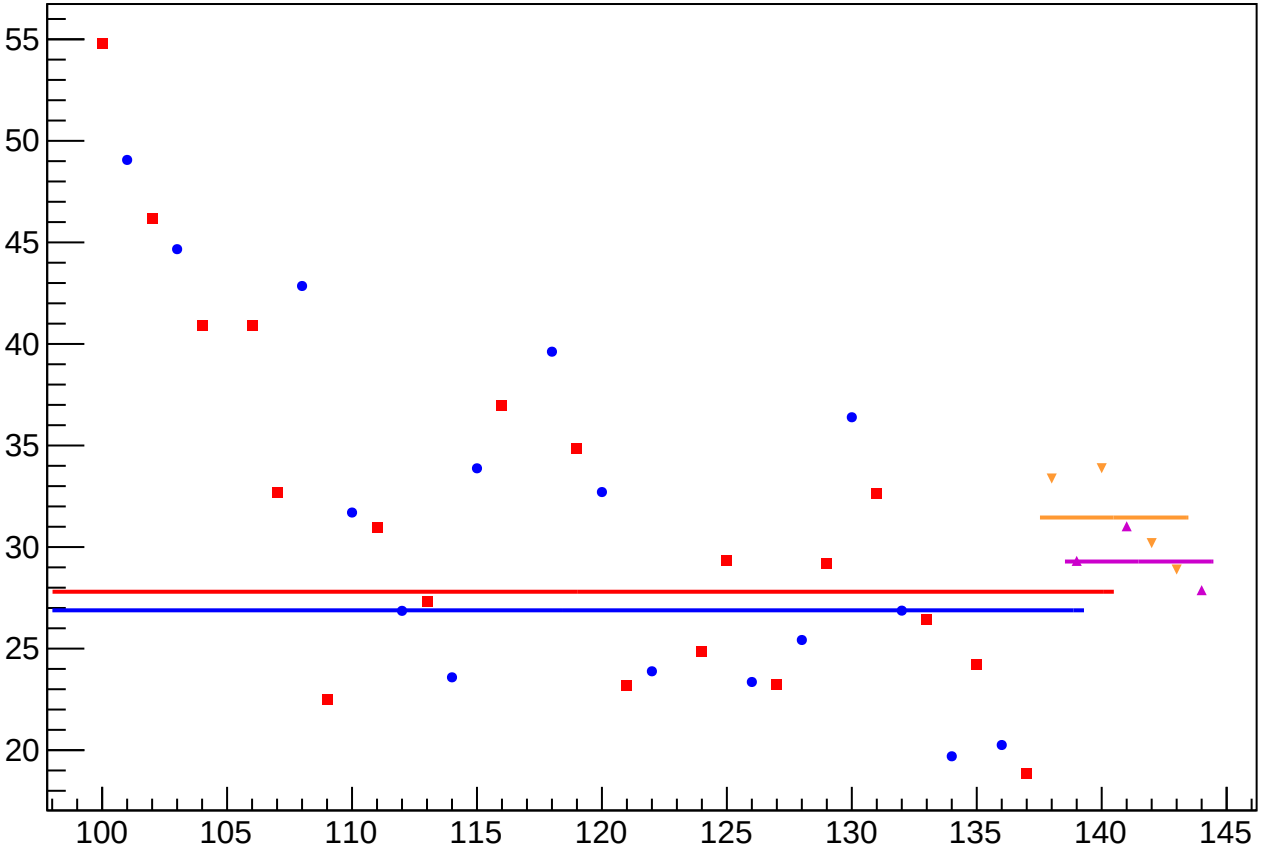
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:14.7/18

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.012+/-0.006 χ^2/NDF: 36.3/41

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.455+/-0.013 χ^2/NDF:27890.4/3

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 29.288+/-0.013 χ^2/NDF:10039.1/2

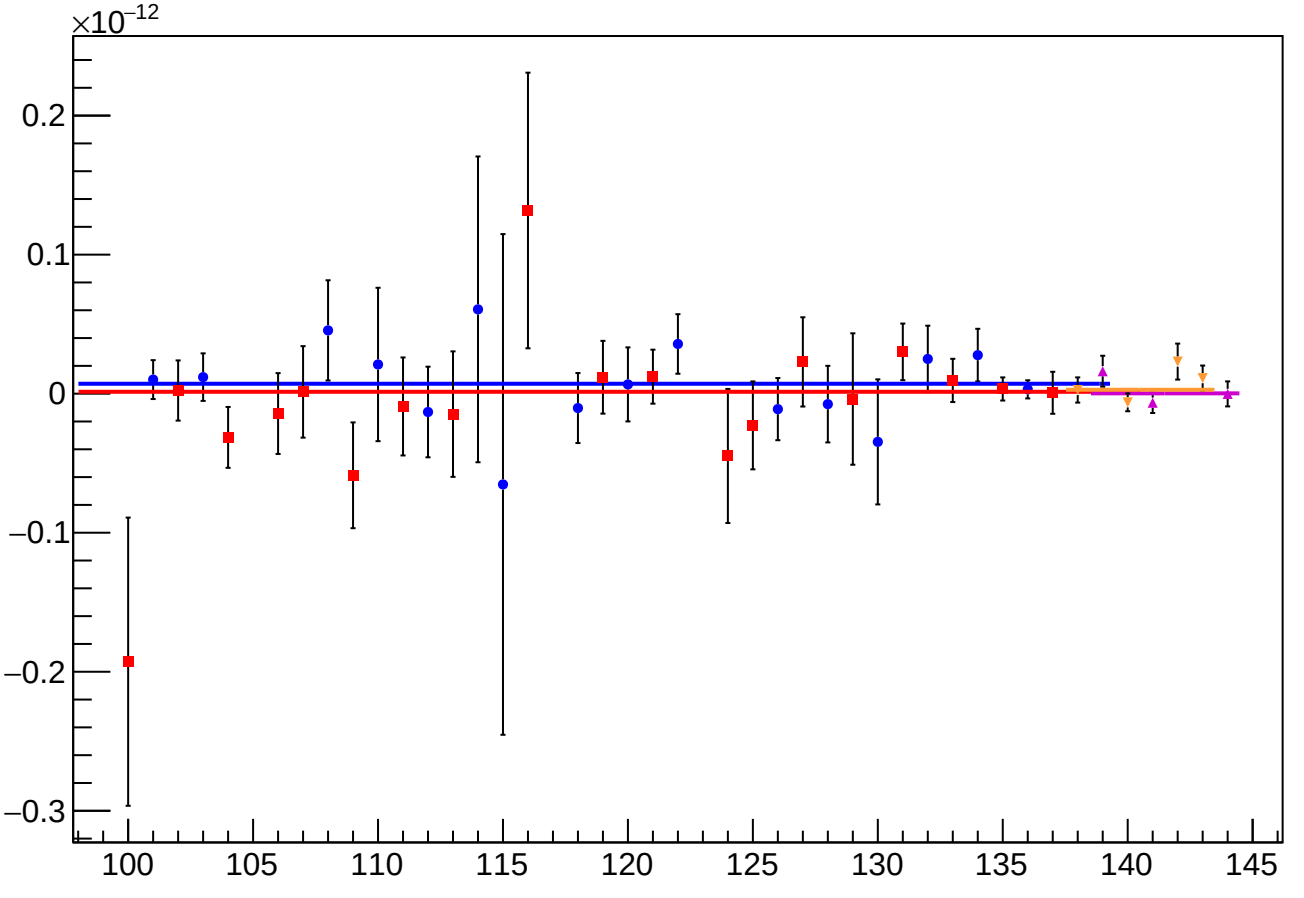
Left: 30.340+/-0.009 χ^2/NDF: 51775.5/6

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.488+/-0.006 χ^2/NDF:1156839.3/18

Out: 28.683+/-0.006 χ^2/NDF:849179.6/22

All: 28.080+/-0.005 χ^2/NDF: 2023128.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/2

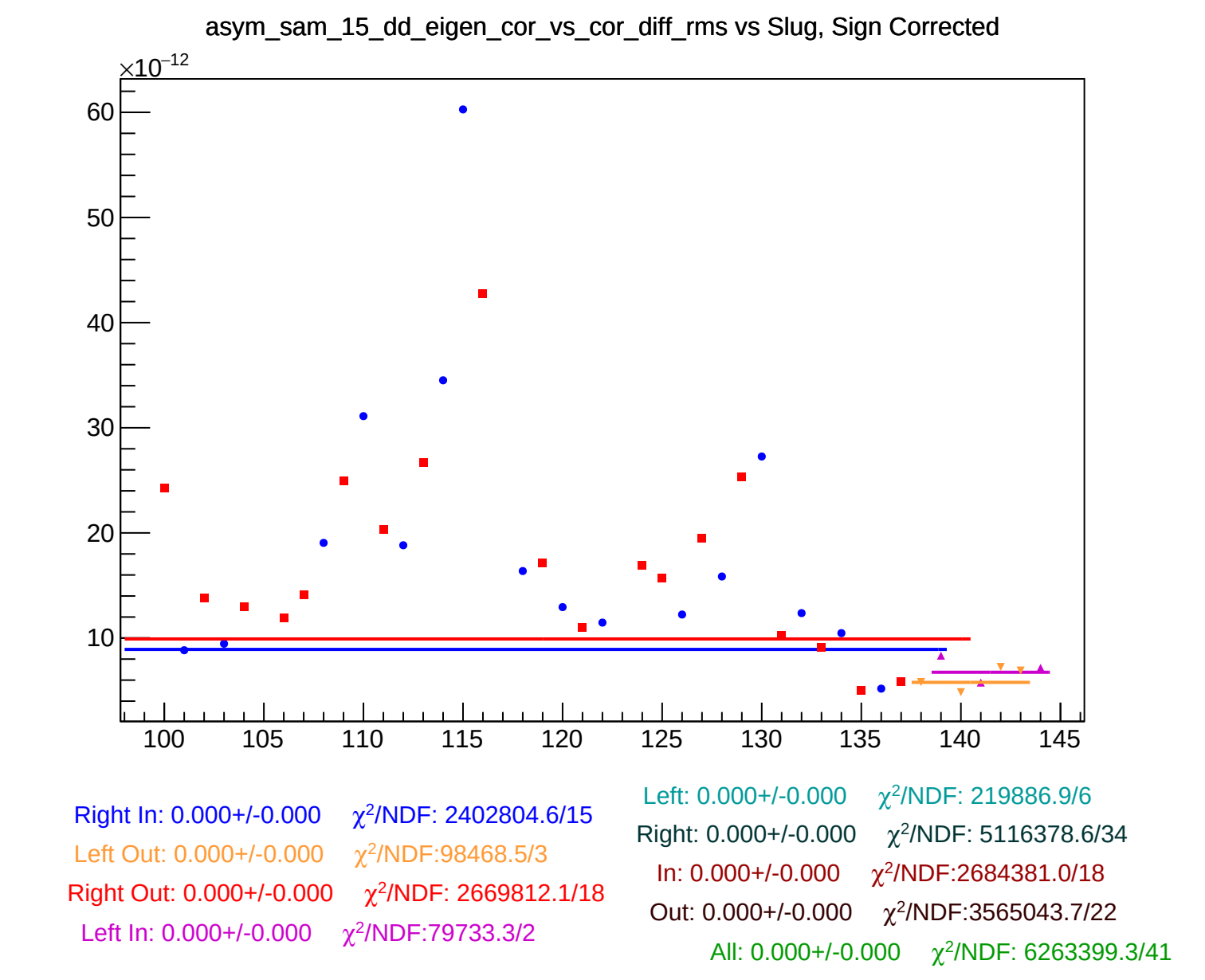
Left: 0.000+/-0.000 χ^2/NDF: 8.3/6

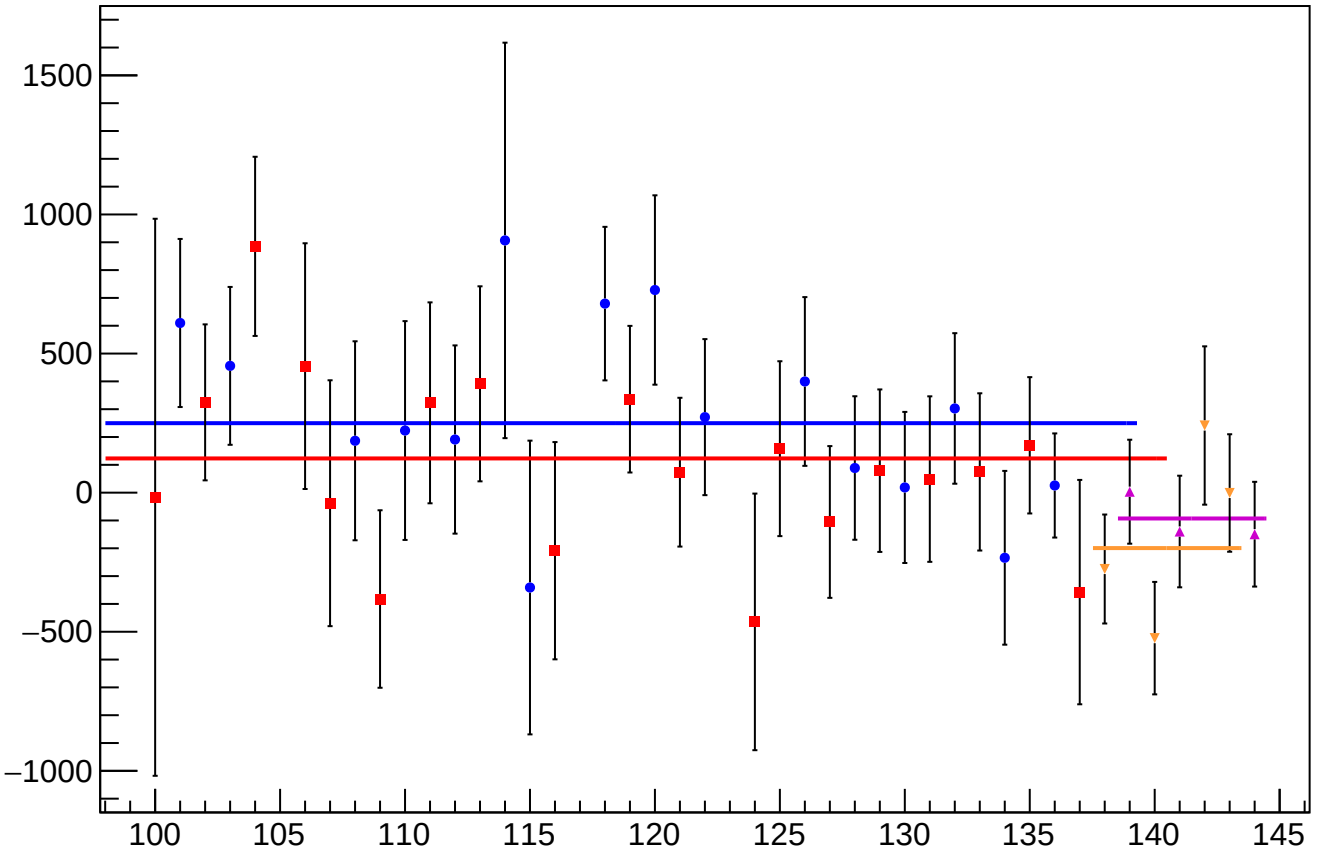
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:12.2/18

Out: 0.000+/-0.000 χ^2/NDF:20.6/22

All: 0.000+/-0.000 χ^2/NDF: 32.9/41


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:98468.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:79733.3/2
Left: 0.000+/-0.000 χ²/NDF: 219886.9/6
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:2684381.0/18
Out: 0.000+/-0.000 χ²/NDF:3565043.7/22
All: 0.000+/-0.000 χ²/NDF: 6263399.3/41



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -92.863+/-110.629 χ^2/NDF:0.4/2

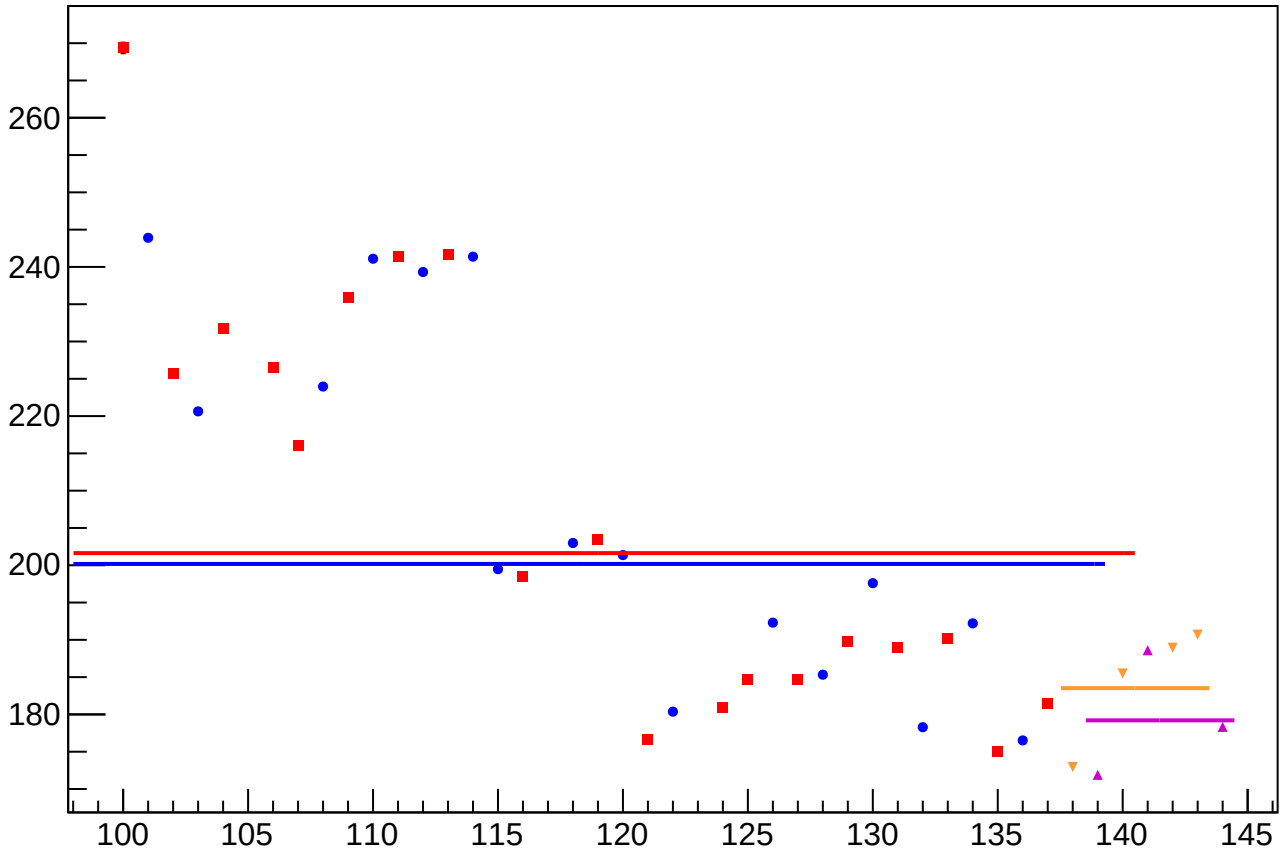
Left: -147.216+/-77.376 χ^2/NDF: 6.9/6

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 142.117+/-62.009 χ^2/NDF:20.7/18

Out: 19.676+/-61.300 χ^2/NDF:27.6/22

All: 80.192+/-43.594 χ^2/NDF: 50.3/41



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

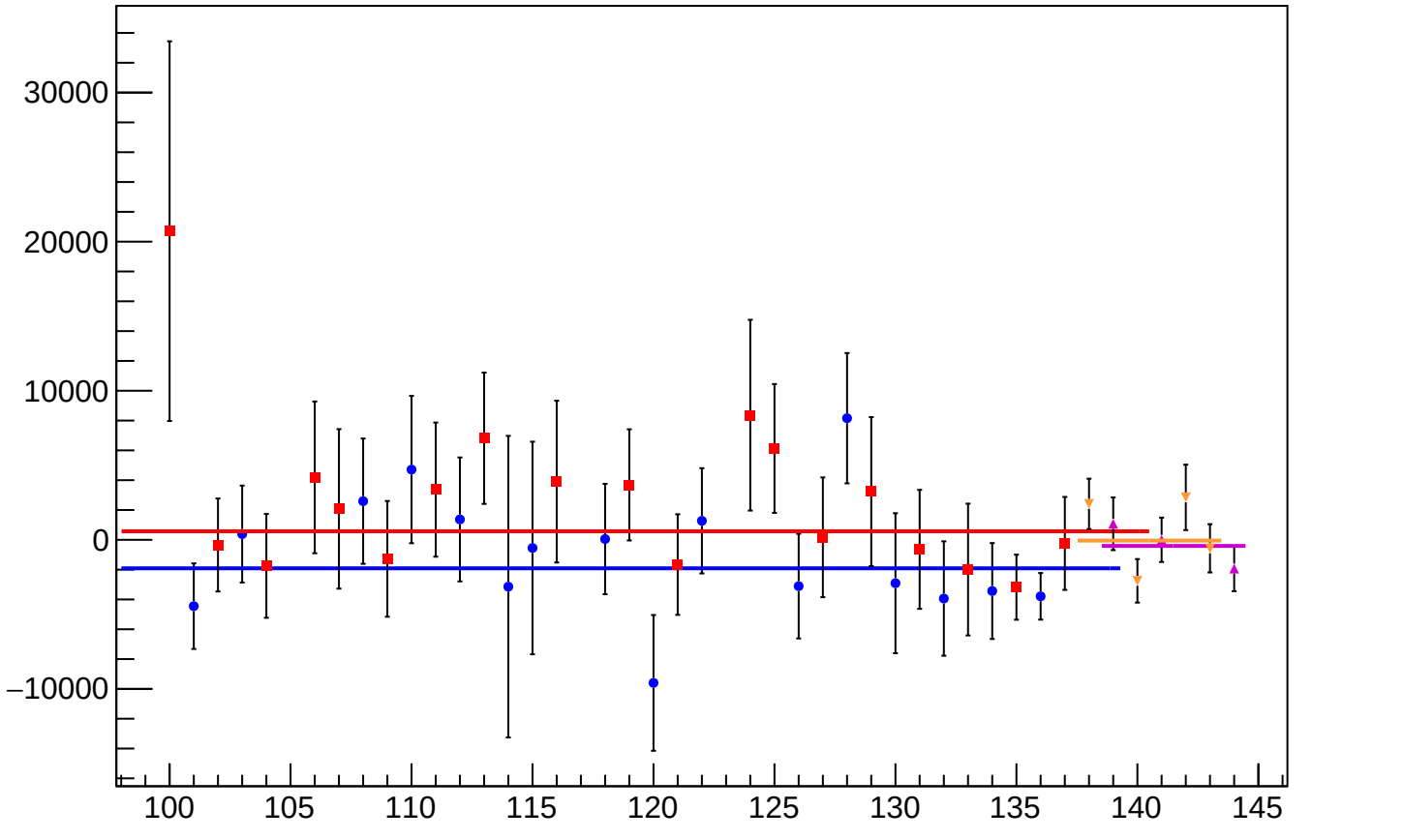
Left: 181.410+/-0.055 χ^2/NDF: 18103.8/6

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 193.587+/-0.044 χ^2/NDF:237797.6/18

Out: 195.823+/-0.043 χ^2/NDF:244294.3/22

All: 194.718+/-0.031 χ^2/NDF: 483407.2/41



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -52.462+/-842.796 χ^2/NDF:7.4/3

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -410.064+/-909.909 χ^2/NDF:1.8/2

Left: -217.590+/-618.313 χ^2/NDF: 9.2/6

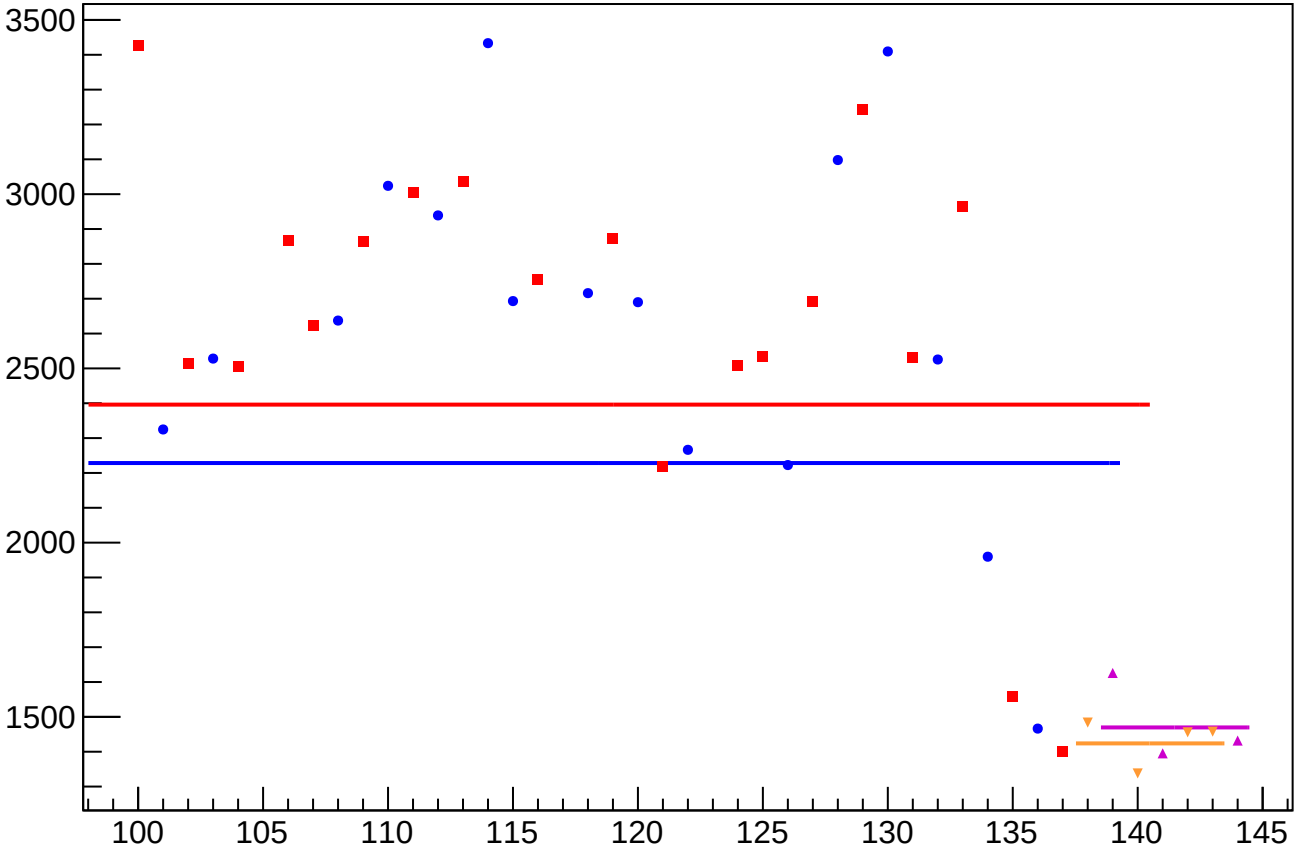
Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1203.273+/-624.661 χ^2/NDF:19.5/18

Out: 238.646+/-615.321 χ^2/NDF:22.3/22

All: -471.452+/-438.362 χ^2/NDF: 44.5/41

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10748.9/3

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1469.687+/-0.643 χ^2/NDF:21878.3/2

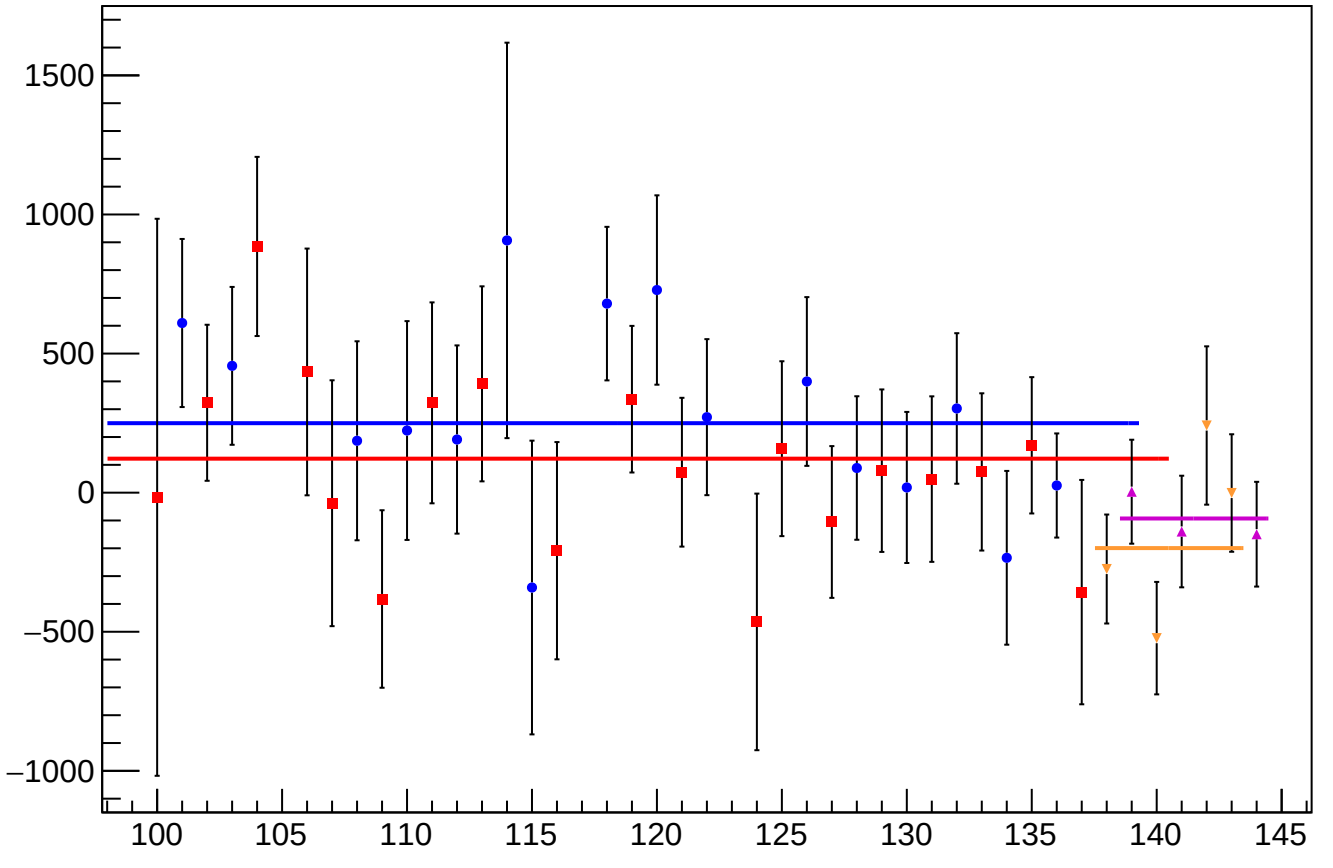
Left: 1445.019+/-0.437 χ^2/NDF: 35358.4/6

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1870.839+/-0.442 χ^2/NDF:1704788.0/18

Out: 1877.848+/-0.435 χ^2/NDF:2052988.8/22

All: 1874.396+/-0.310 χ^2/NDF: 3757904.6/41



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -92.848+/-110.629 χ^2/NDF:0.4/2

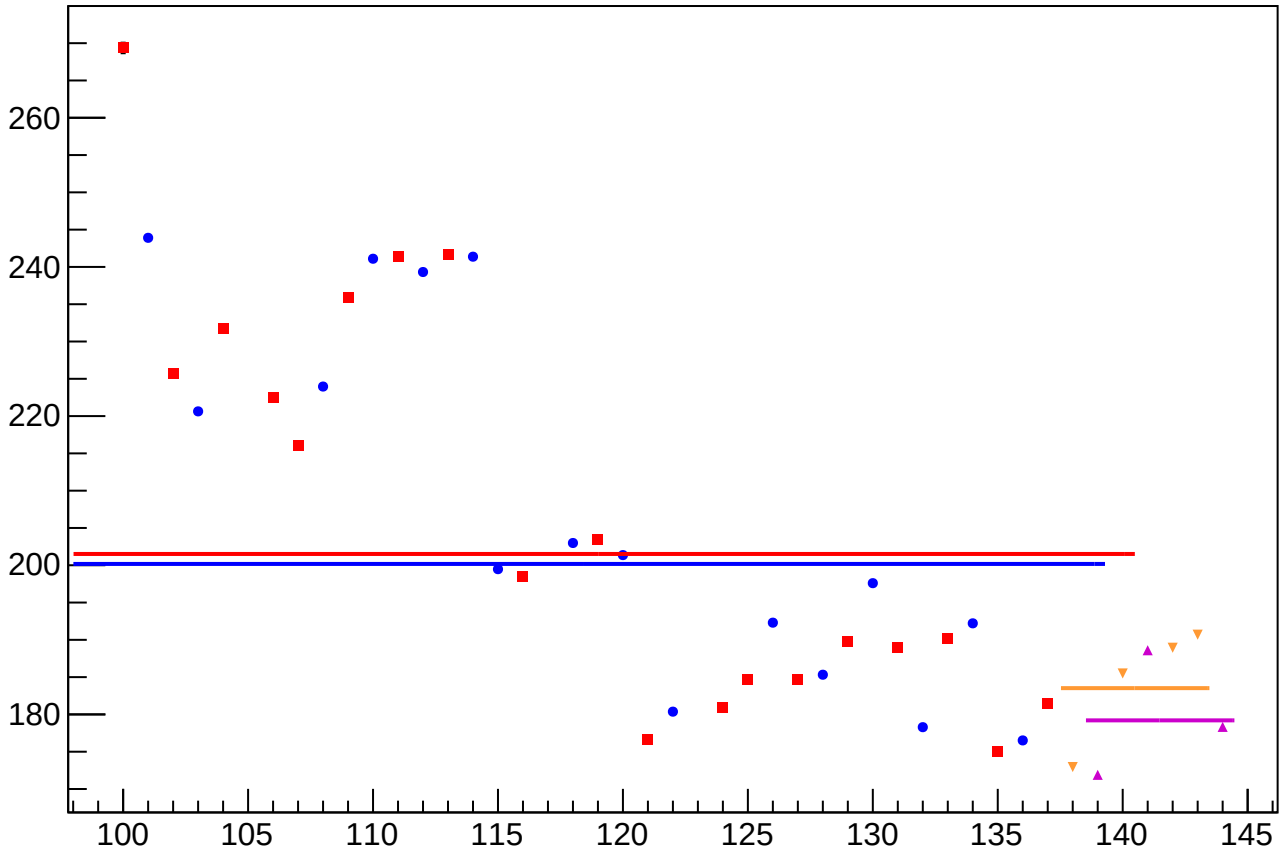
Left: -147.208+/-77.376 χ^2/NDF: 6.9/6

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 142.124+/-62.009 χ^2/NDF:20.7/18

Out: 19.124+/-61.305 χ^2/NDF:27.4/22

All: 79.922+/-43.596 χ^2/NDF: 50.2/41



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

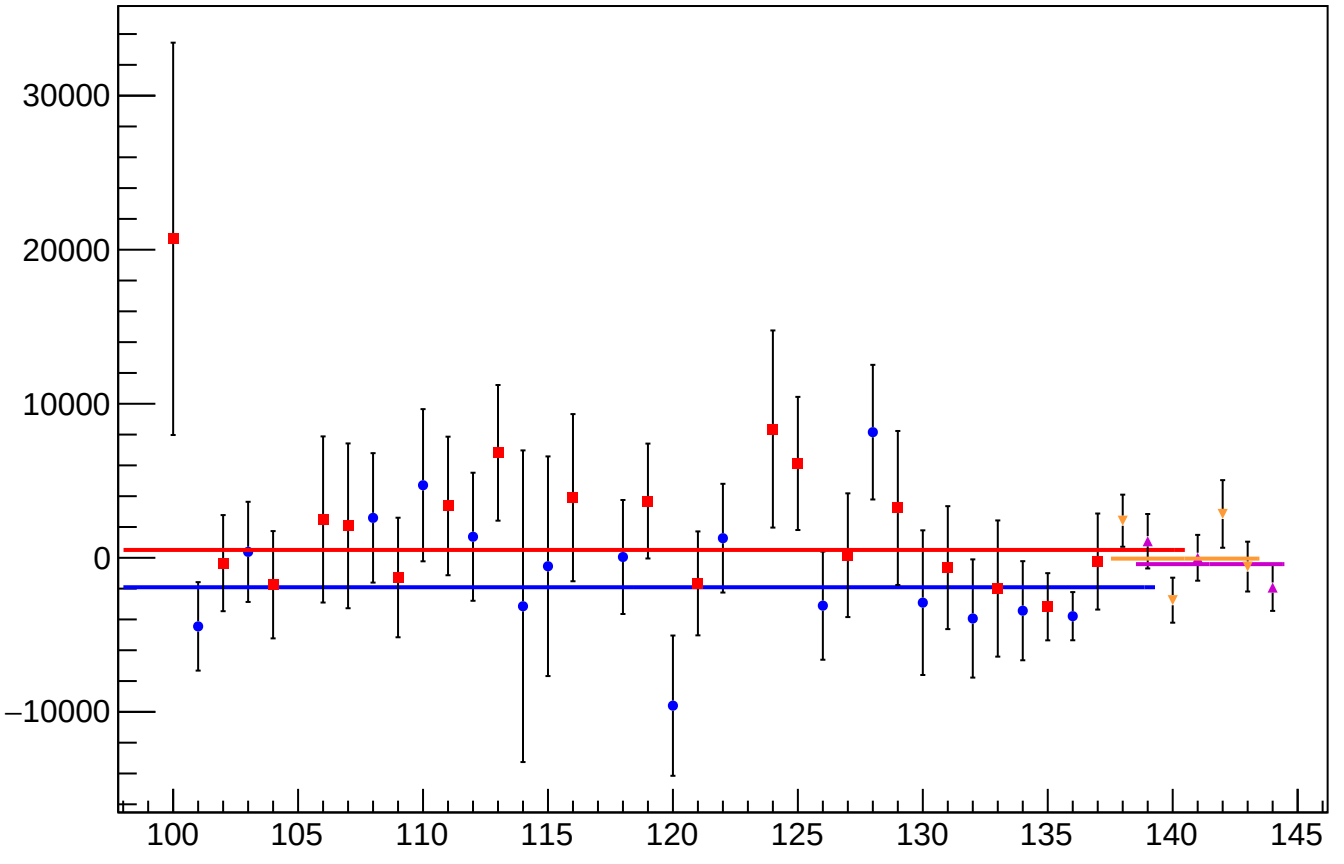
Left: 181.410+/-0.055 χ^2/NDF: 18103.8/6

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.587+/-0.044 χ^2/NDF:237798.0/18

Out: 195.745+/-0.043 χ^2/NDF:242004.5/22

All: 194.679+/-0.031 χ^2/NDF: 481027.9/41



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -52.471+/-842.796 χ^2/NDF:7.4/3

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -410.023+/-909.909 χ^2/NDF:1.8/2

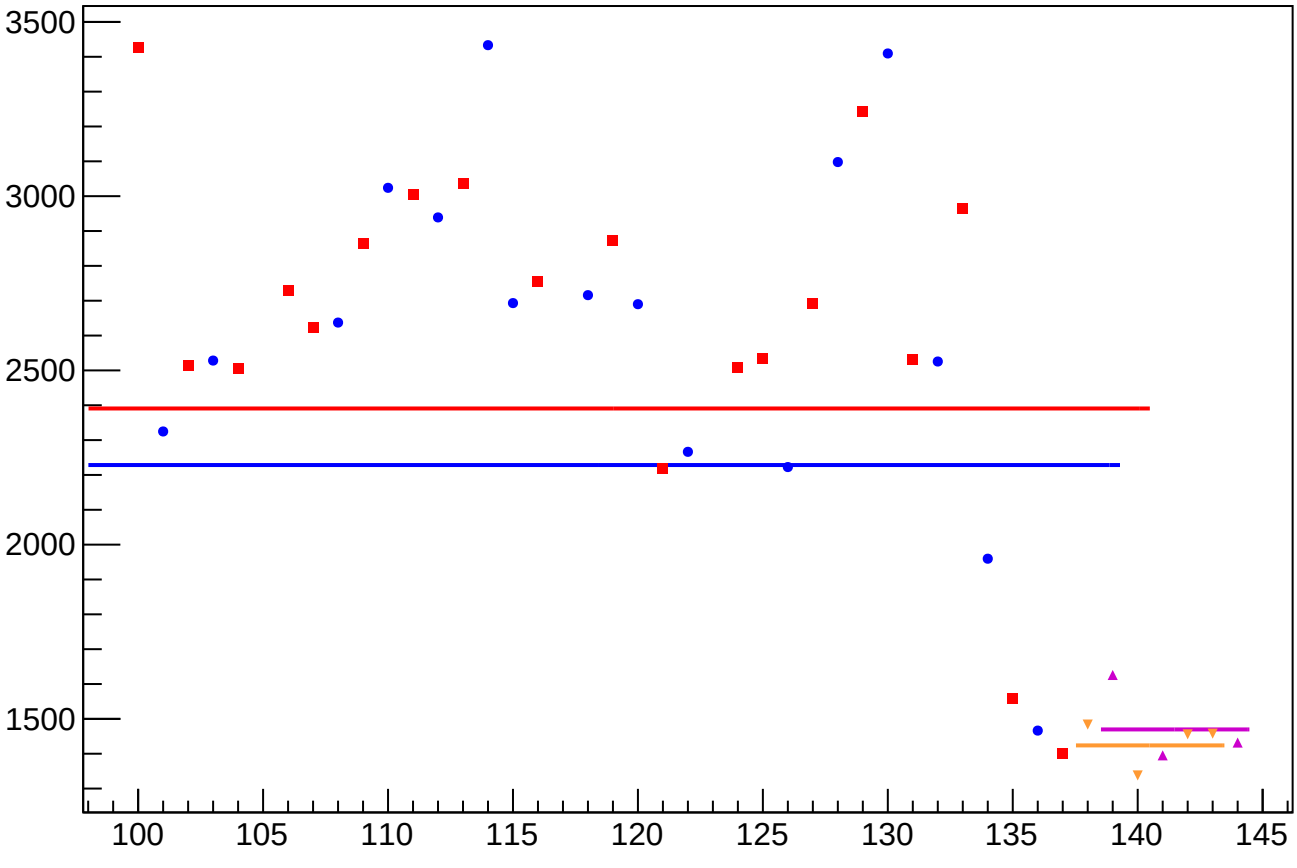
Left: -217.576+/-618.313 χ^2/NDF: 9.2/6

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1203.231+/-624.662 χ^2/NDF:19.5/18

Out: 210.291+/-615.819 χ^2/NDF:21.8/22

All: -486.394+/-438.543 χ^2/NDF: 43.9/41



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1469.687+/-0.643 χ^2/NDF:21878.4/2

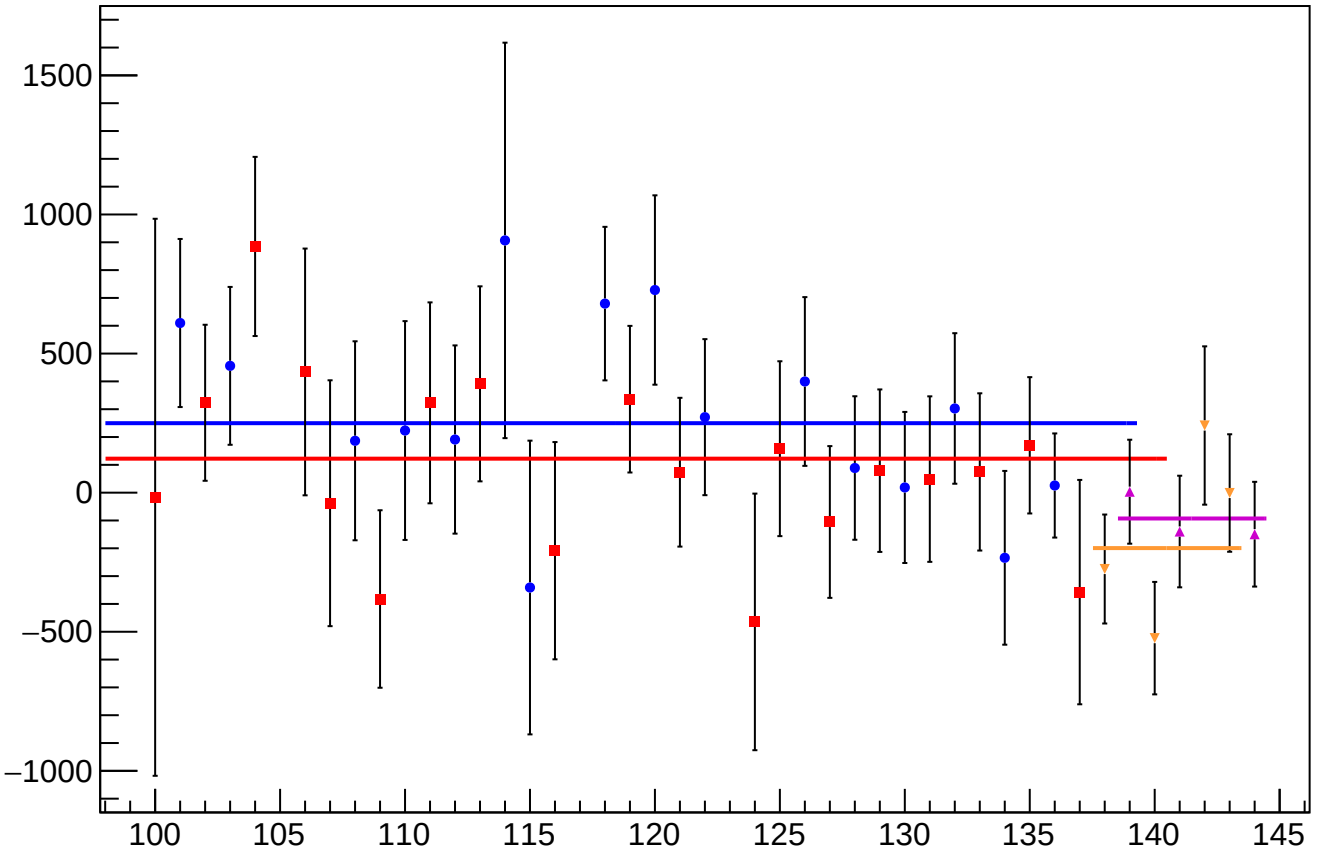
Left: 1445.019+/-0.437 χ^2/NDF: 35358.9/6

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1870.841+/-0.442 χ^2/NDF:1704798.6/18

Out: 1874.515+/-0.435 χ^2/NDF:2027641.8/22

All: 1872.704+/-0.310 χ^2/NDF: 3732475.6/41



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -92.848+/-110.629 χ^2/NDF:0.4/2

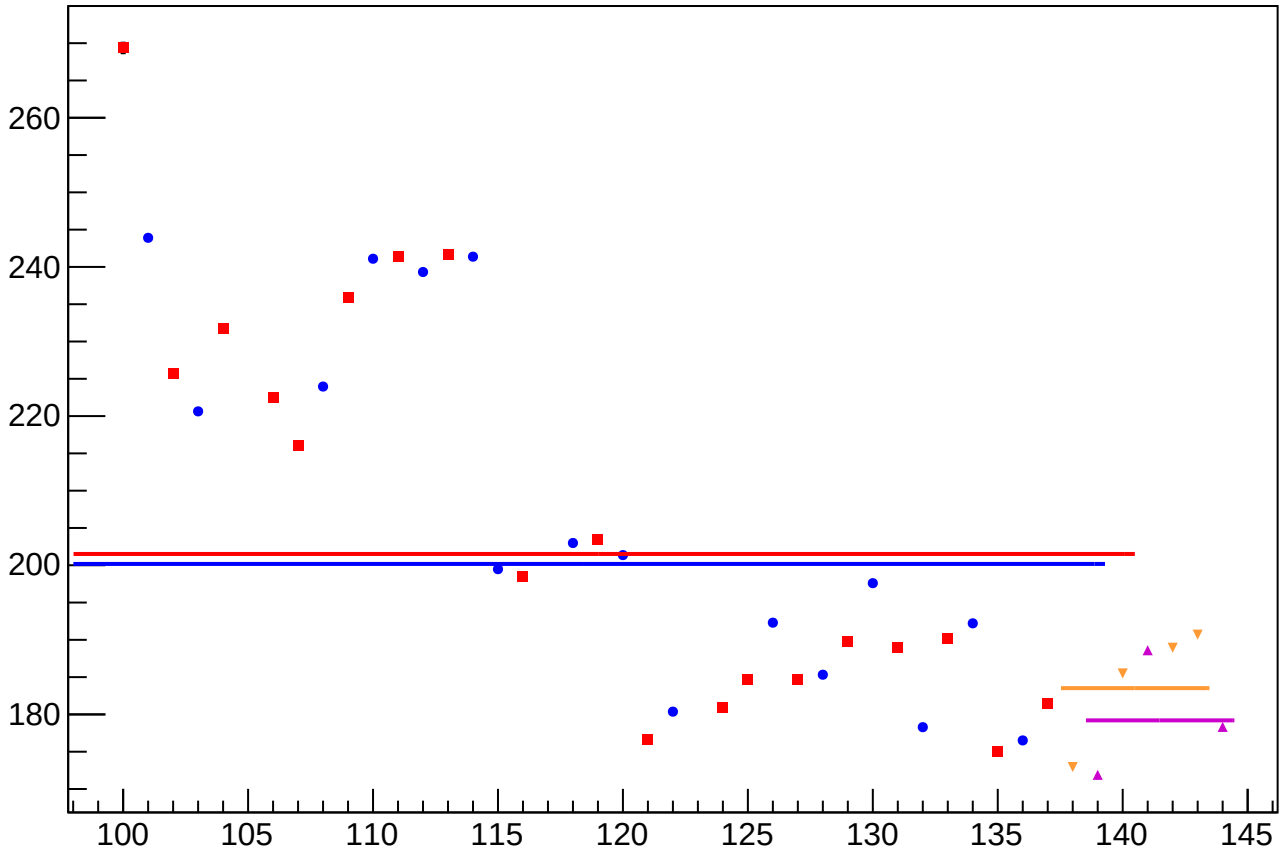
Left: -147.208+/-77.376 χ^2/NDF: 6.9/6

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 142.124+/-62.009 χ^2/NDF:20.7/18

Out: 19.124+/-61.305 χ^2/NDF:27.4/22

All: 79.922+/-43.596 χ^2/NDF: 50.2/41



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.202+/-0.078 χ^2/NDF:7490.3/2

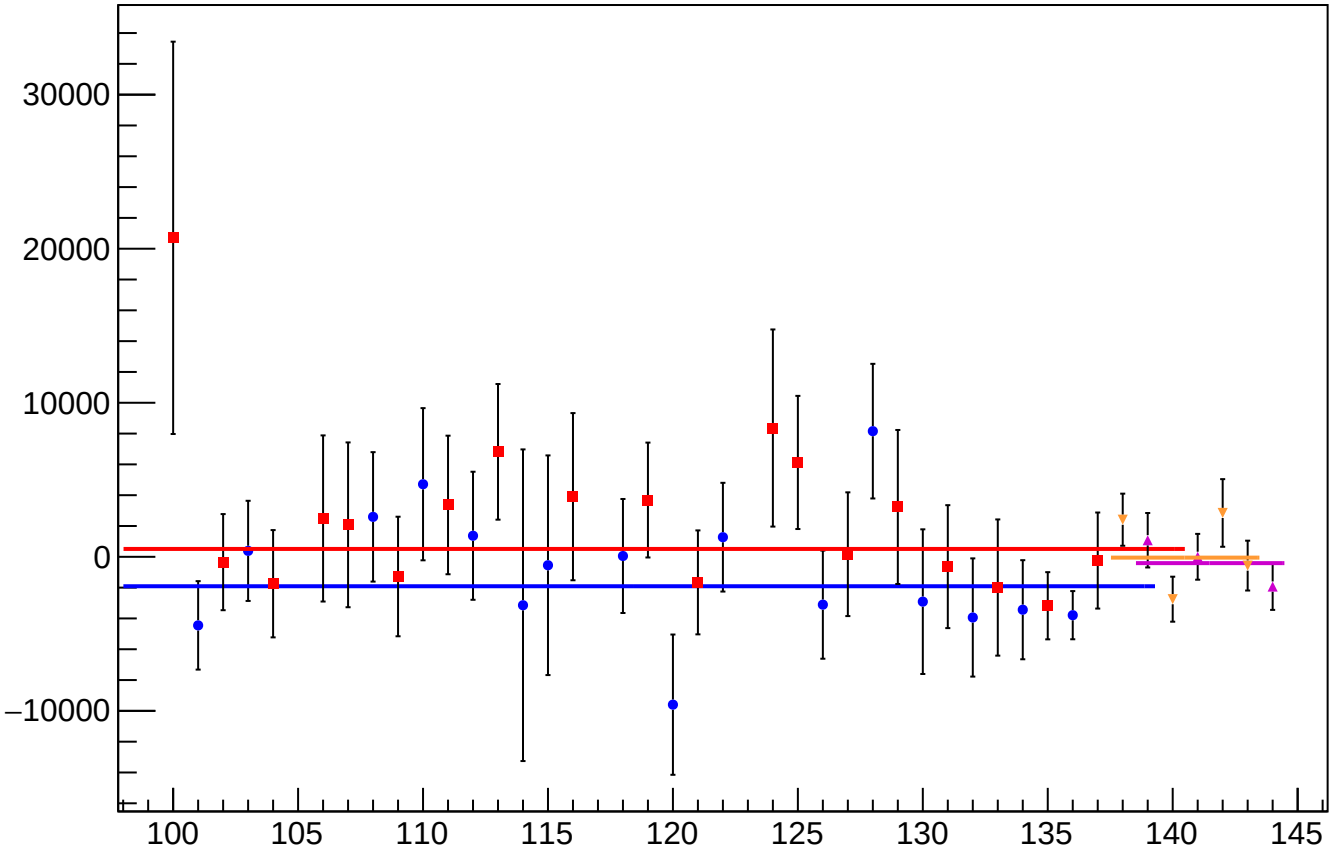
Left: 181.410+/-0.055 χ^2/NDF: 18103.8/6

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.587+/-0.044 χ^2/NDF:237798.0/18

Out: 195.745+/-0.043 χ^2/NDF:242004.5/22

All: 194.679+/-0.031 χ^2/NDF: 481027.9/41



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -52.471+/-842.796 χ^2/NDF:7.4/3

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -410.023+/-909.909 χ^2/NDF:1.8/2

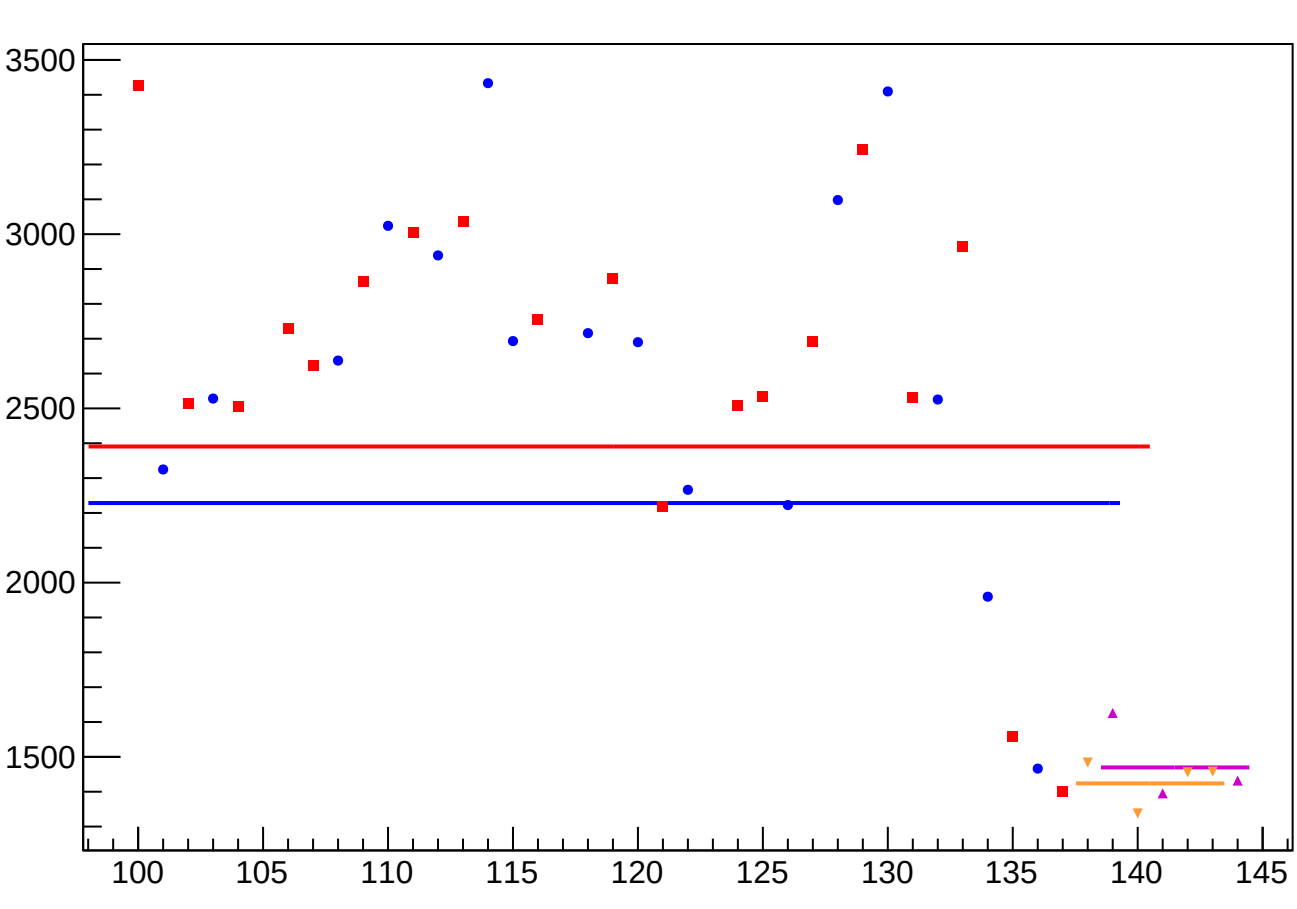
Left: -217.576+/-618.313 χ^2/NDF: 9.2/6

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1203.231+/-624.662 χ^2/NDF:19.5/18

Out: 210.291+/-615.819 χ^2/NDF:21.8/22

All: -486.394+/-438.543 χ^2/NDF: 43.9/41



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1469.687+/-0.643 χ^2/NDF:21878.4/2

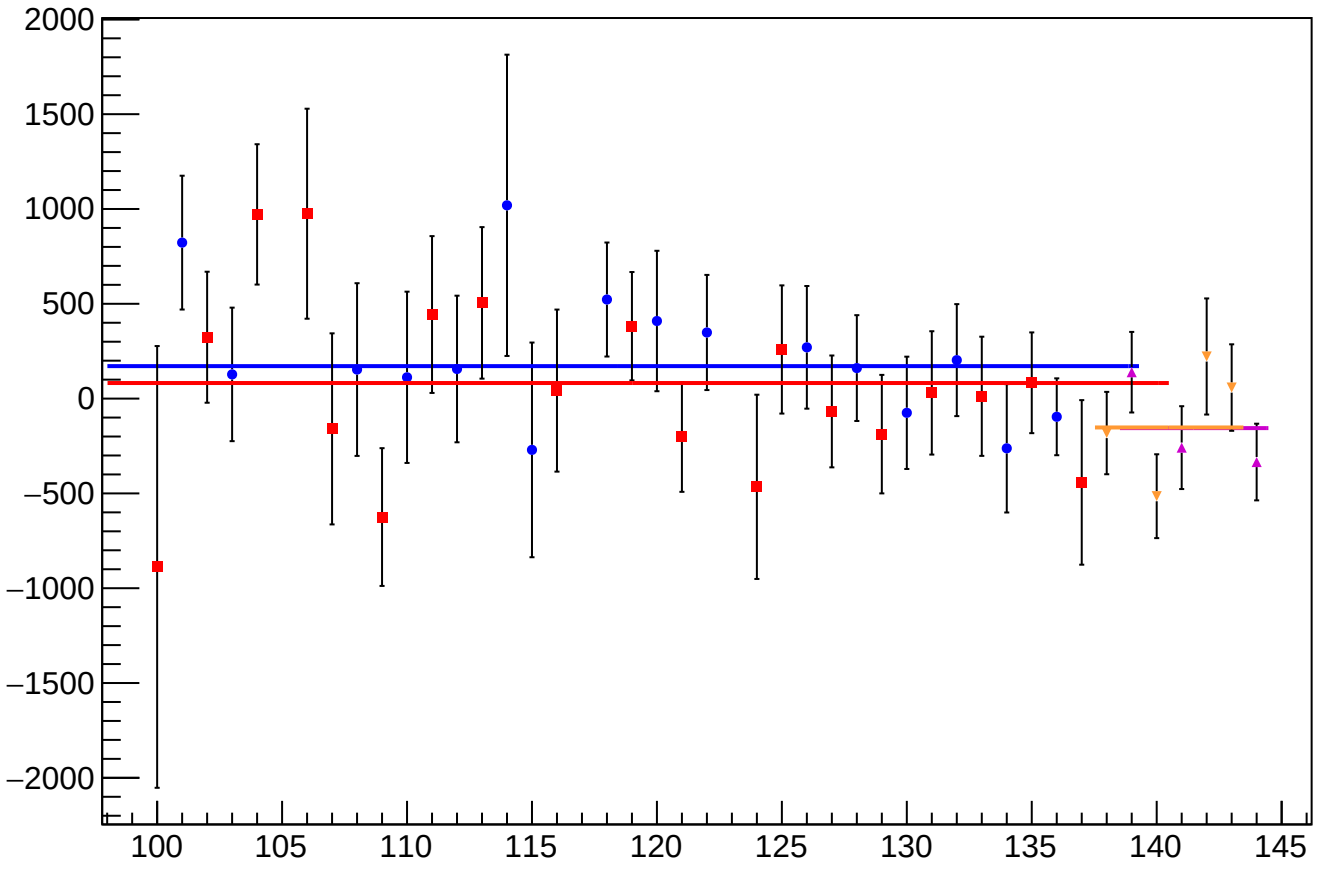
Left: 1445.019+/-0.437 χ^2/NDF: 35358.9/6

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1870.841+/-0.442 χ^2/NDF:1704798.6/18

Out: 1874.515+/-0.435 χ^2/NDF:2027641.8/22

All: 1872.704+/-0.310 χ^2/NDF: 3732475.6/41



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -152.265+/-118.227 χ^2/NDF:5.1/3

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -155.660+/-121.656 χ^2/NDF:2.9/2

Left: -153.914+/-84.786 χ^2/NDF: 8.0/6

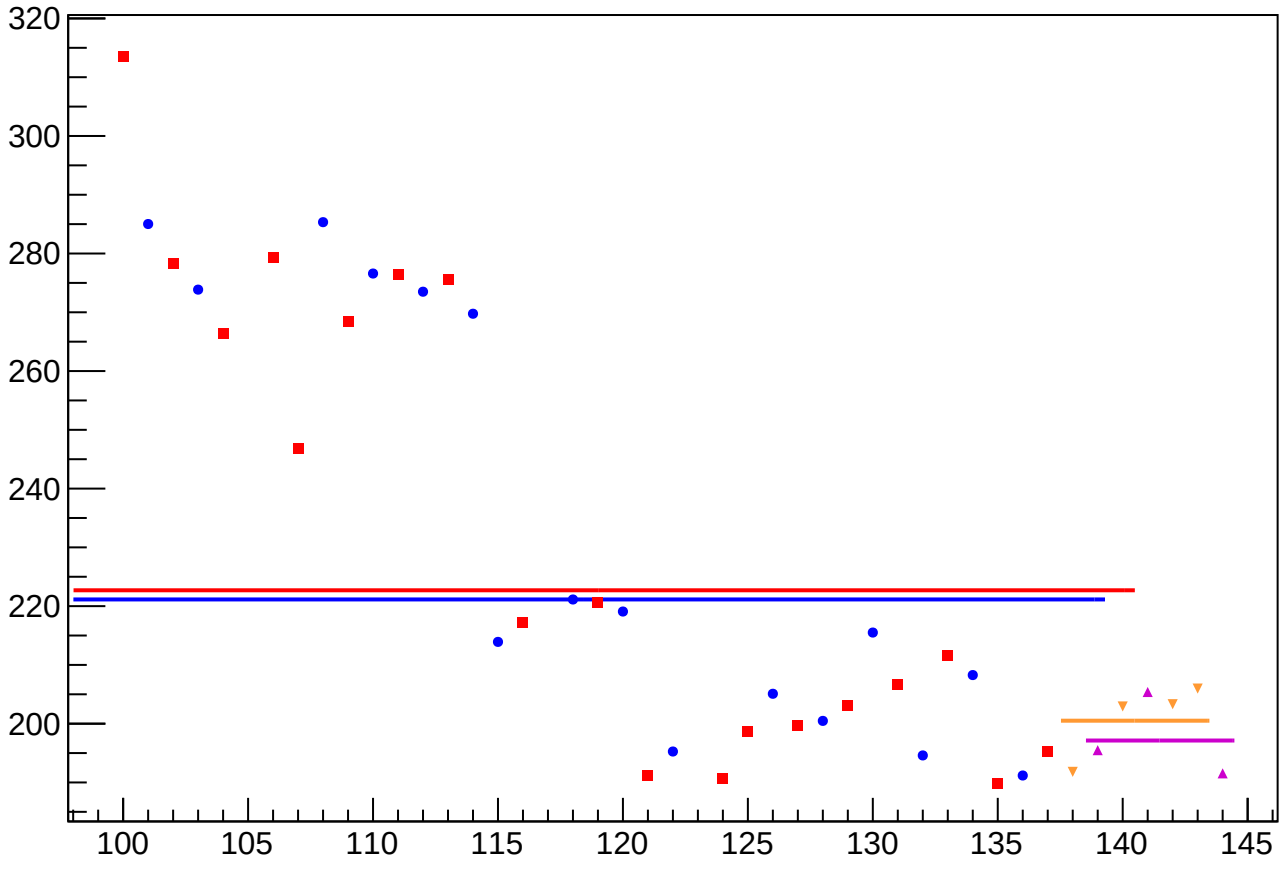
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 67.224+/-68.628 χ^2/NDF:19.3/18

Out: 5.329+/-67.681 χ^2/NDF:29.3/22

All: 35.846+/-48.189 χ^2/NDF: 49.1/41

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.7/3

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 197.134+/-0.086 χ^2/NDF:4504.3/2

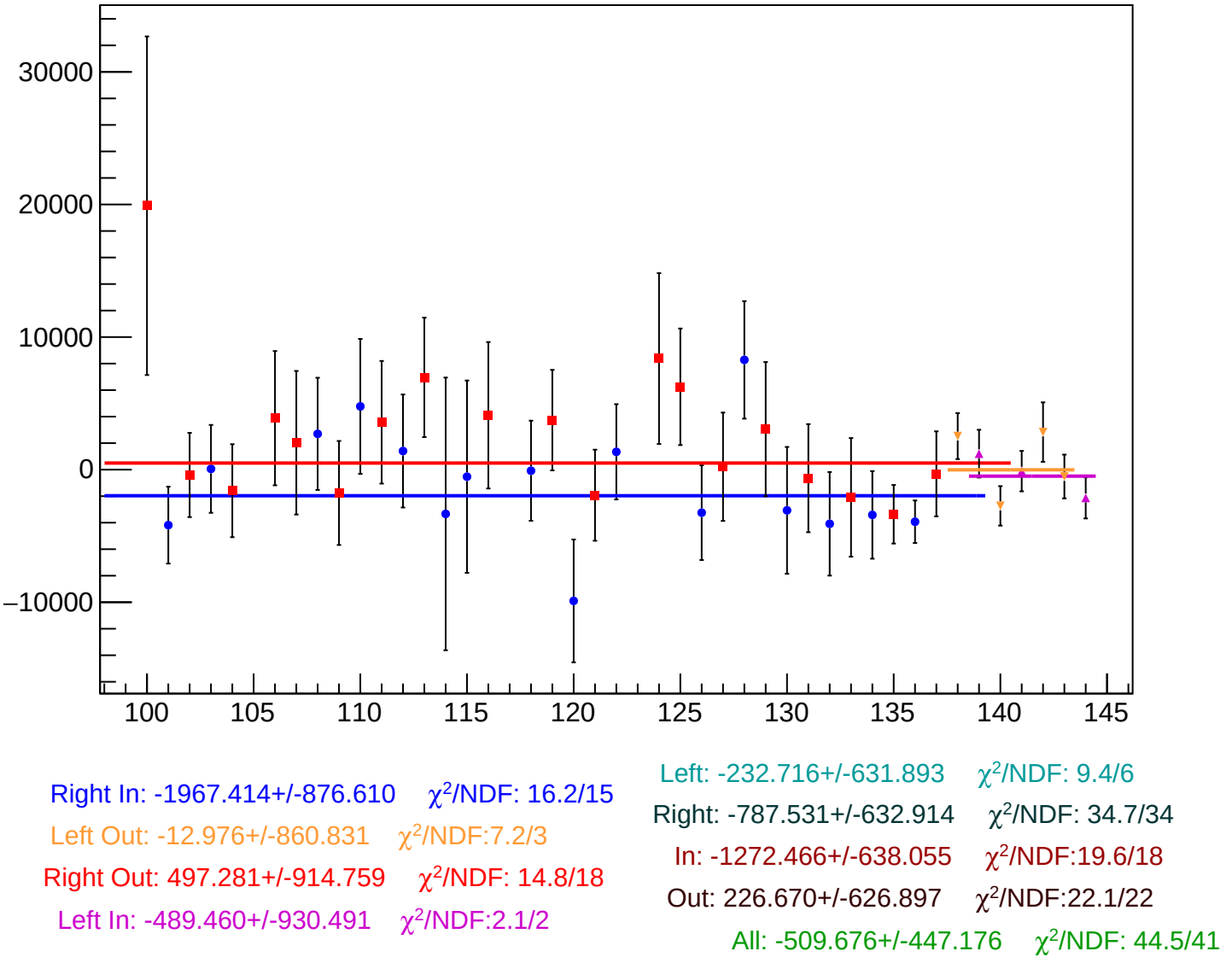
Left: 198.869+/-0.060 χ^2/NDF: 10063.8/6

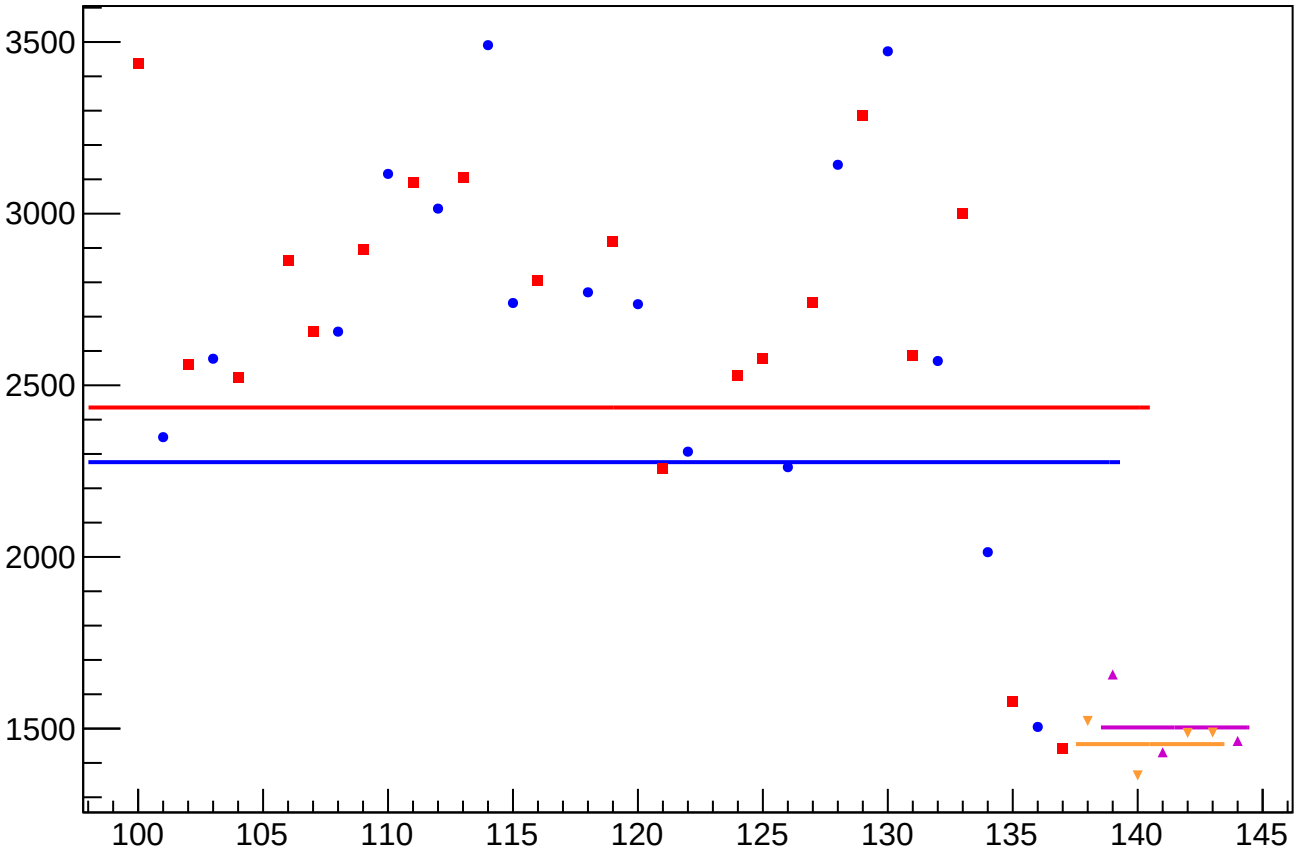
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 213.500+/-0.049 χ^2/NDF:376293.7/18

Out: 215.425+/-0.048 χ^2/NDF:379164.5/22

All: 214.476+/-0.034 χ^2/NDF: 756256.2/41


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -12.976+/-860.831 χ²/NDF:7.2/3
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -489.460+/-930.491 χ²/NDF:2.1/2
Left: -232.716+/-631.893 χ²/NDF: 9.4/6
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -1272.466+/-638.055 χ²/NDF:19.6/18
Out: 226.670+/-626.897 χ²/NDF:22.1/22
All: -509.676+/-447.176 χ²/NDF: 44.5/41



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.5/3

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1503.393+/-0.658 χ^2/NDF:20445.9/2

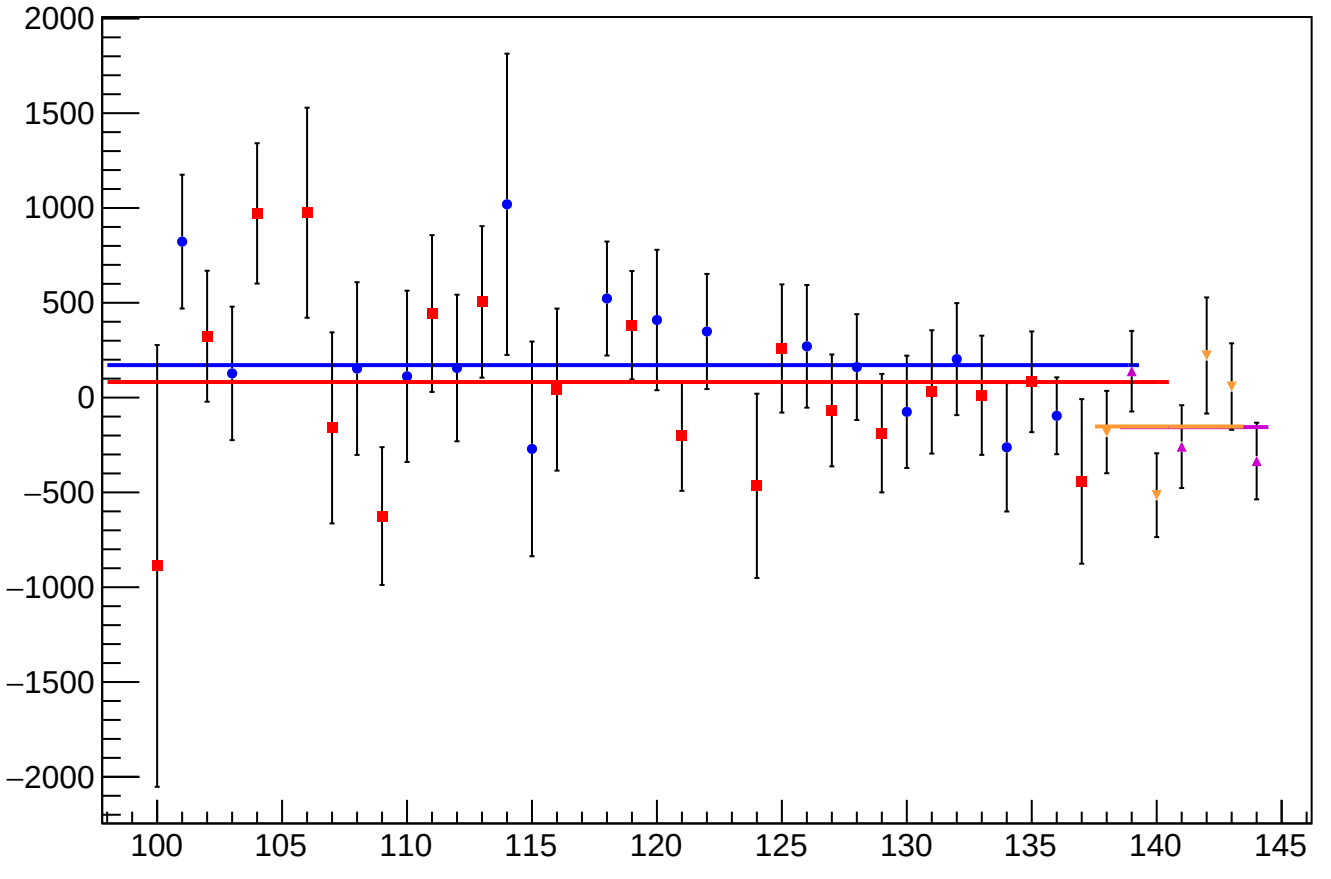
Left: 1477.219+/-0.447 χ^2/NDF: 35166.4/6

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1912.784+/-0.451 χ^2/NDF:1678192.9/18

Out: 1915.332+/-0.443 χ^2/NDF:2022017.3/22

All: 1914.080+/-0.316 χ^2/NDF: 3700226.4/41



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -152.270+/-118.227 χ^2/NDF:5.1/3

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -155.660+/-121.656 χ^2/NDF:2.9/2

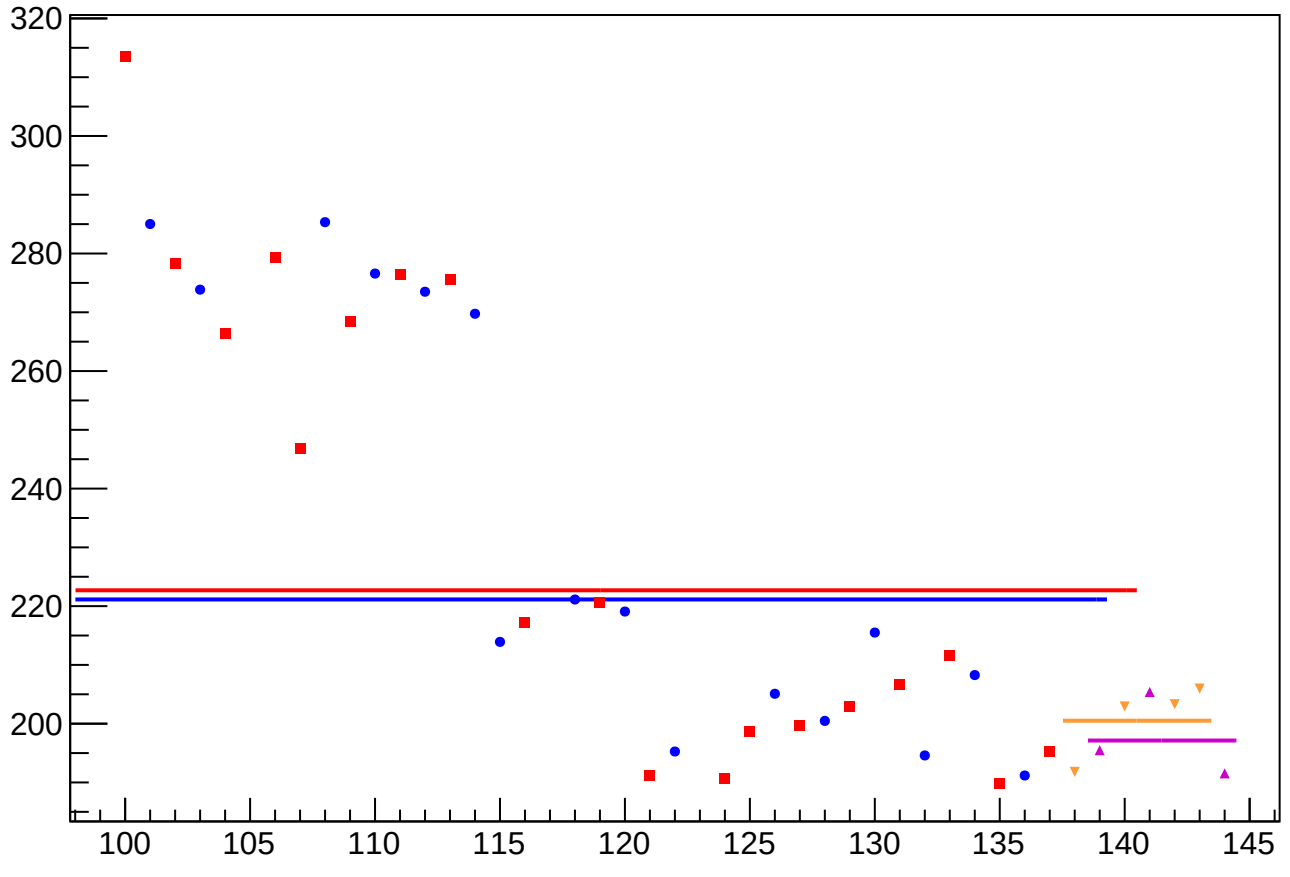
Left: -153.916+/-84.785 χ^2/NDF: 8.0/6

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 67.225+/-68.628 χ^2/NDF:19.3/18

Out: 5.327+/-67.681 χ^2/NDF:29.3/22

All: 35.846+/-48.189 χ^2/NDF: 49.1/41



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.9/3

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 197.134+/-0.086 χ^2/NDF:4504.4/2

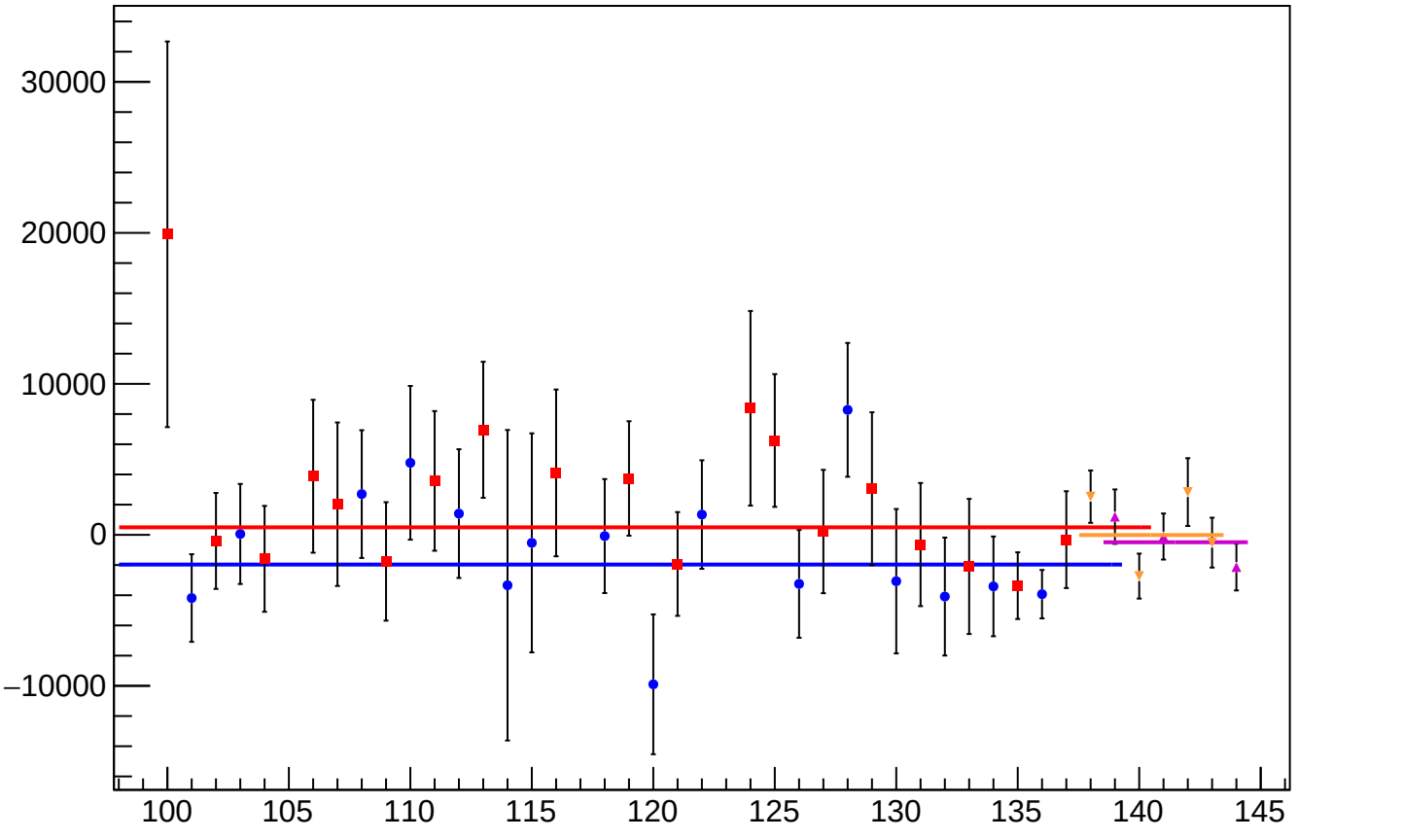
Left: 198.869+/-0.060 χ^2/NDF: 10064.2/6

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 213.499+/-0.049 χ^2/NDF:376285.0/18

Out: 215.425+/-0.048 χ^2/NDF:379154.8/22

All: 214.475+/-0.034 χ^2/NDF: 756238.0/41



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -12.979+/-860.830 χ^2/NDF:7.2/3

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -489.458+/-930.491 χ^2/NDF:2.1/2

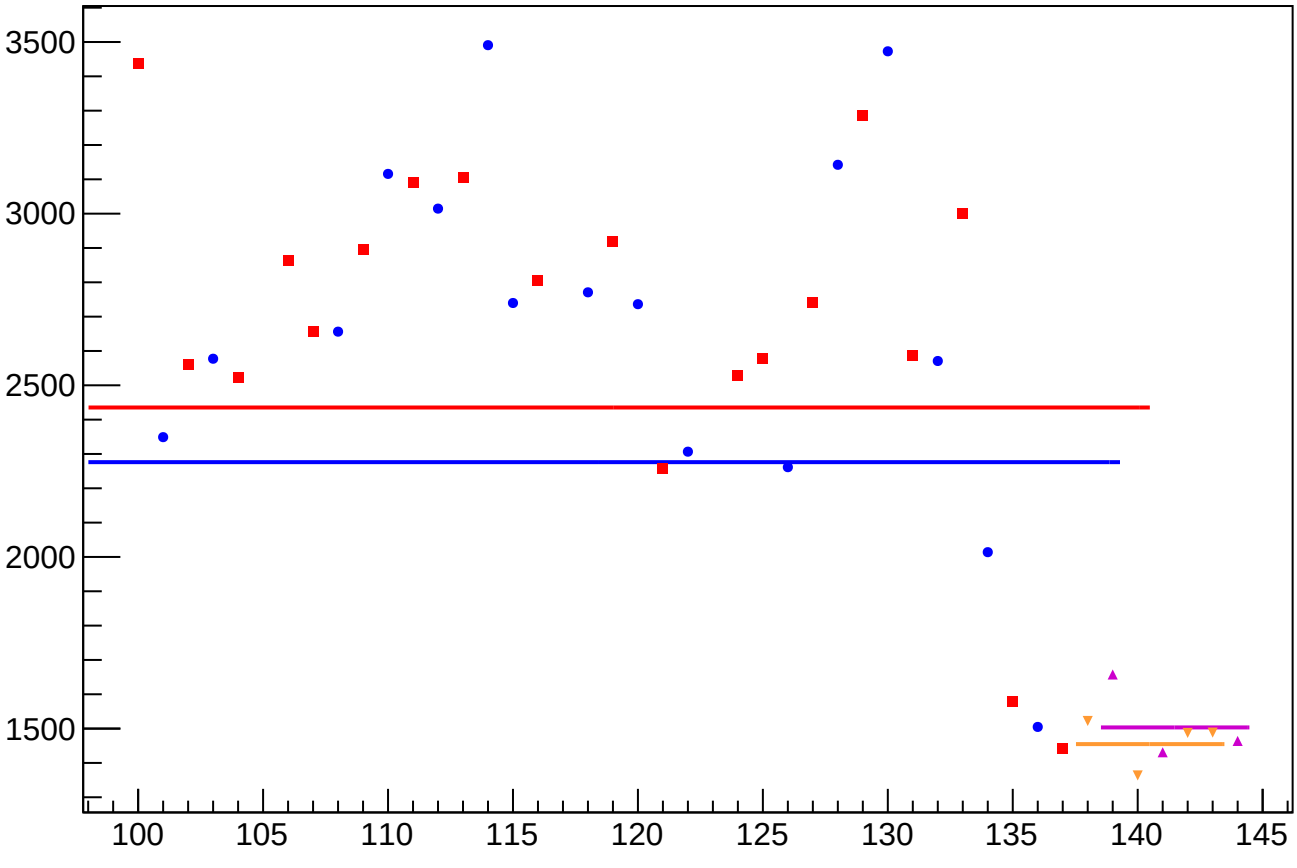
Left: -232.717+/-631.892 χ^2/NDF: 9.4/6

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1272.463+/-638.054 χ^2/NDF:19.6/18

Out: 226.669+/-626.897 χ^2/NDF:22.1/22

All: -509.675+/-447.176 χ^2/NDF: 44.5/41



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.3/3

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1503.392+/-0.658 χ^2/NDF:20445.3/2

Left: 1477.218+/-0.447 χ^2/NDF: 35165.6/6

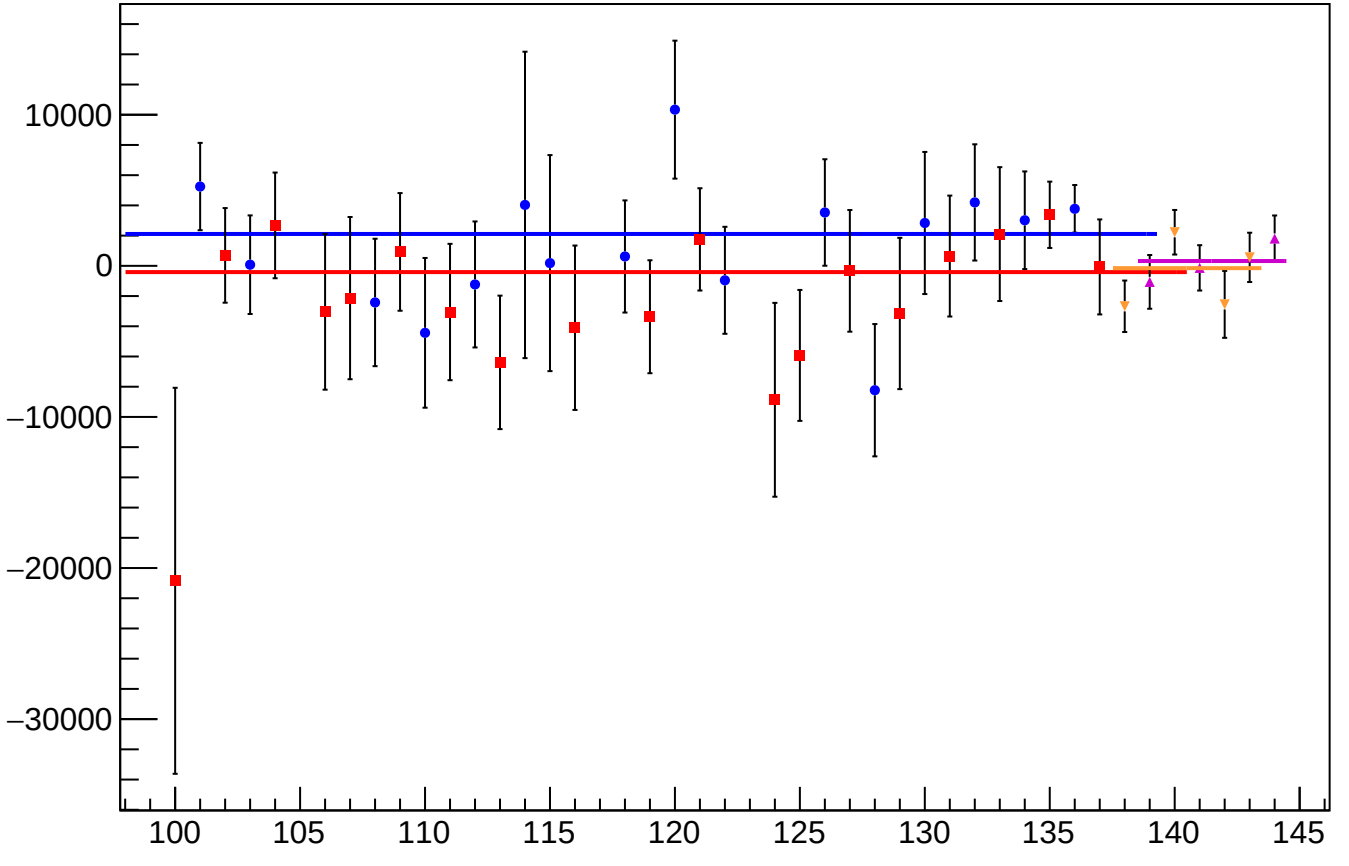
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1912.782+/-0.451 χ^2/NDF:1678181.2/18

Out: 1915.330+/-0.443 χ^2/NDF:2022006.1/22

All: 1914.079+/-0.316 χ^2/NDF: 3700203.6/41

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -152.669+/-850.027 χ^2/NDF:6.2/3

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 318.165+/-916.980 χ^2/NDF:1.6/2

Left: 64.933+/-623.387 χ^2/NDF: 7.9/6

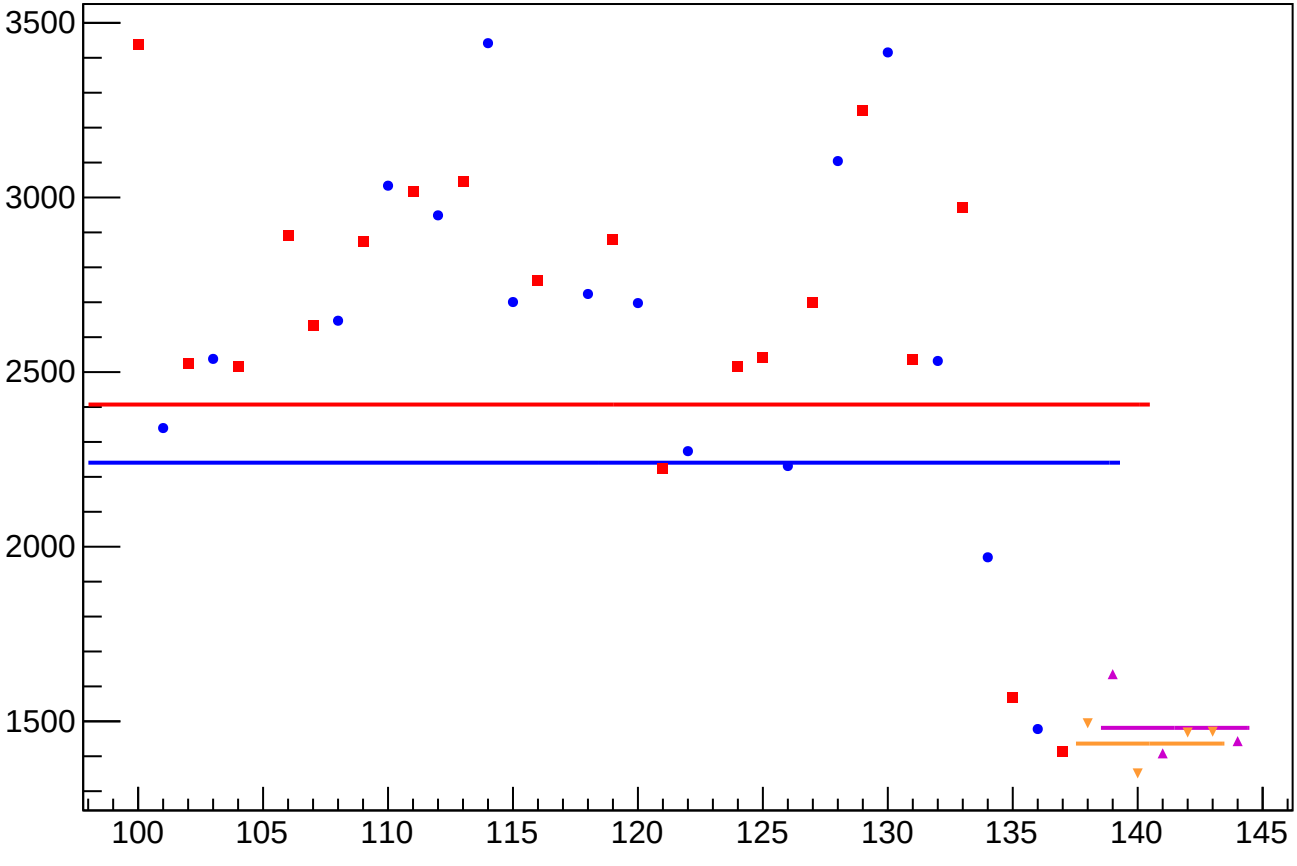
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1267.825+/-628.562 χ^2/NDF:20.3/18

Out: -275.285+/-619.395 χ^2/NDF:20.9/22

All: 484.934+/-441.184 χ^2/NDF: 44.2/41

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1436.275+/-0.601 χ^2/NDF:10321.5/3

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1481.321+/-0.648 χ^2/NDF:20932.8/2

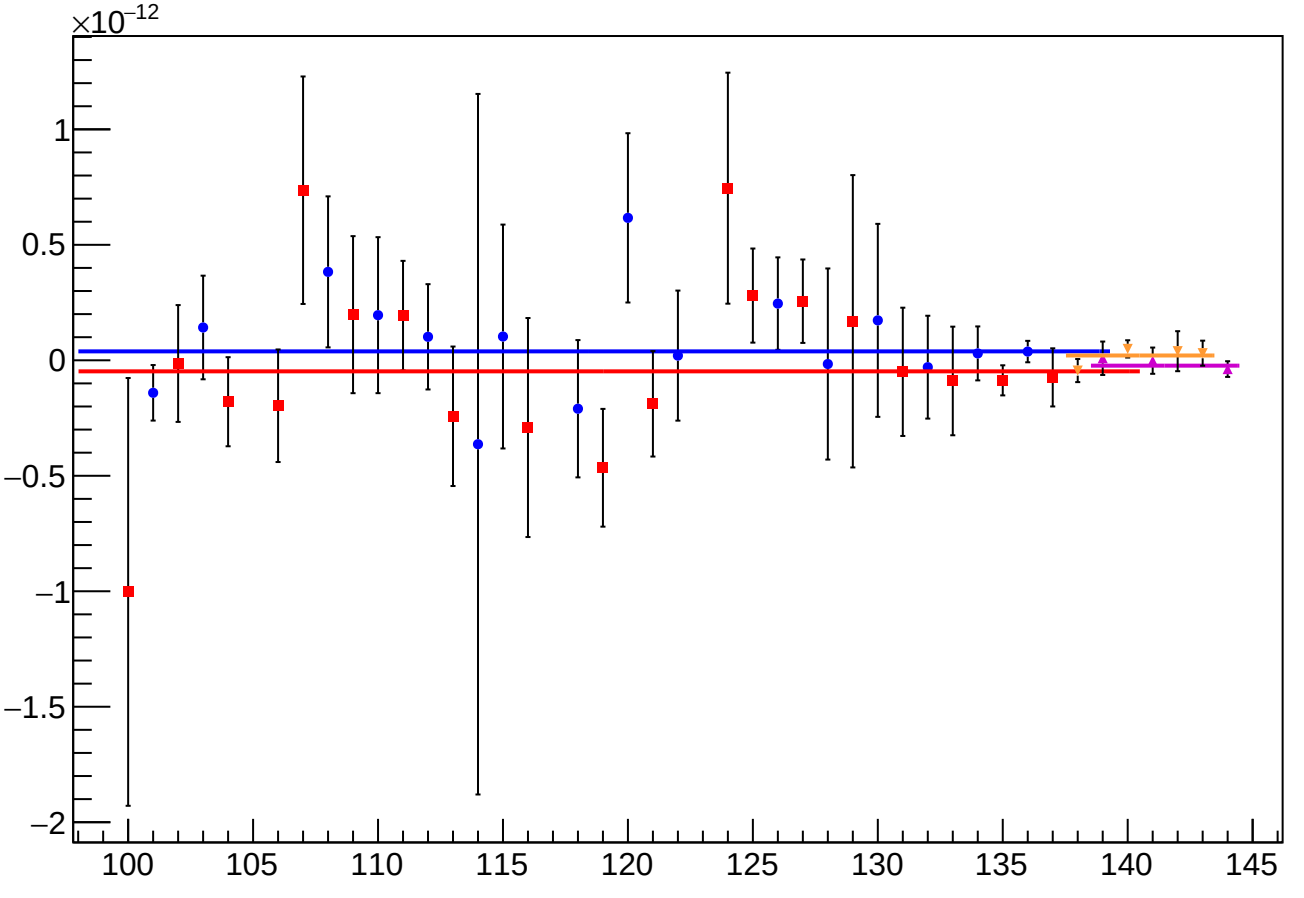
Left: 1457.093+/-0.441 χ^2/NDF: 33850.1/6

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1883.852+/-0.444 χ^2/NDF:1681509.0/18

Out: 1891.632+/-0.438 χ^2/NDF:2022981.8/22

All: 1887.799+/-0.312 χ^2/NDF: 3704646.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/2

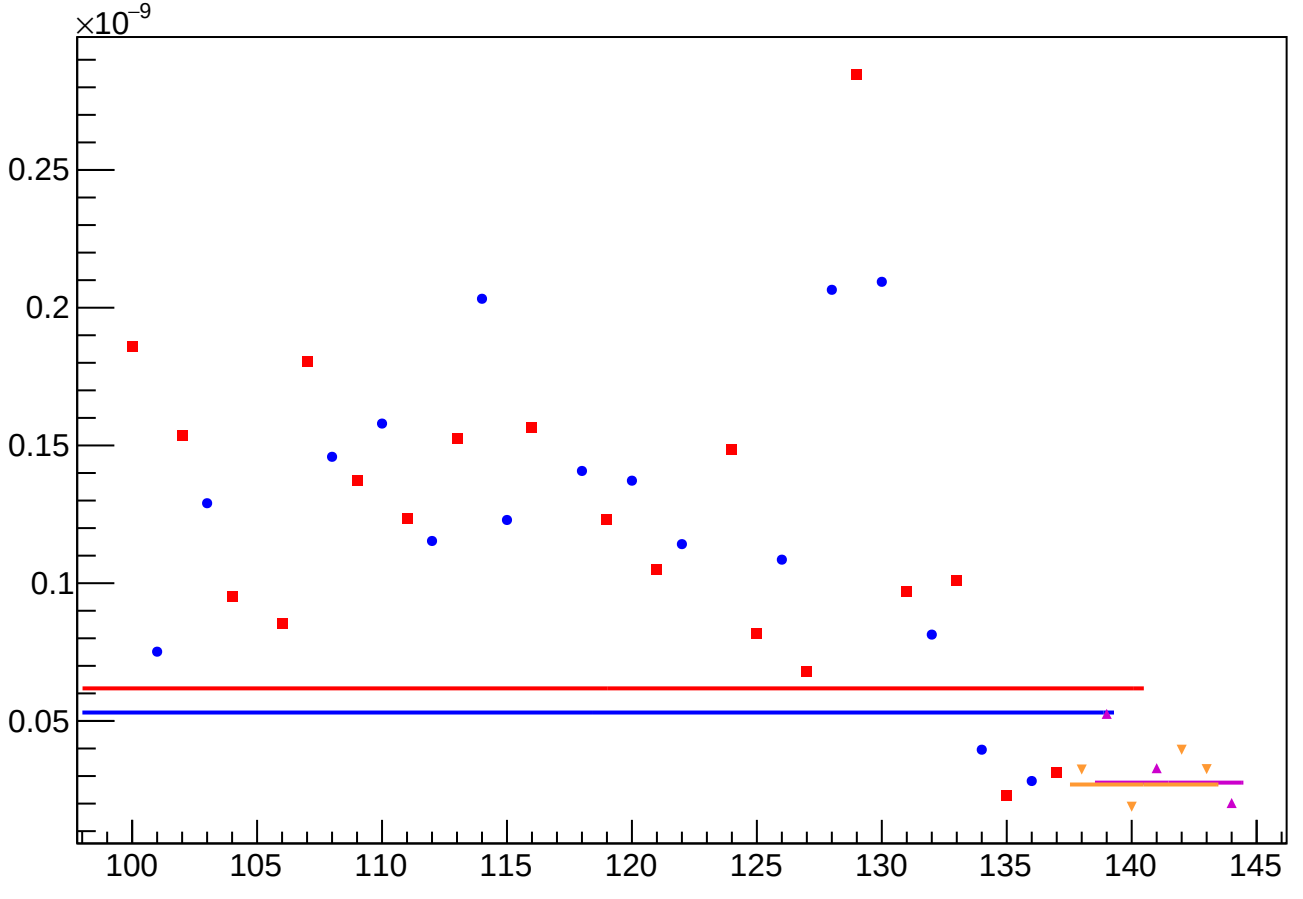
Left: 0.000+/-0.000 χ^2/NDF: 4.3/6

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:10.8/18

Out: 0.000+/-0.000 χ^2/NDF:22.5/22

All: 0.000+/-0.000 χ^2/NDF: 33.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:179900.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:349765.3/2

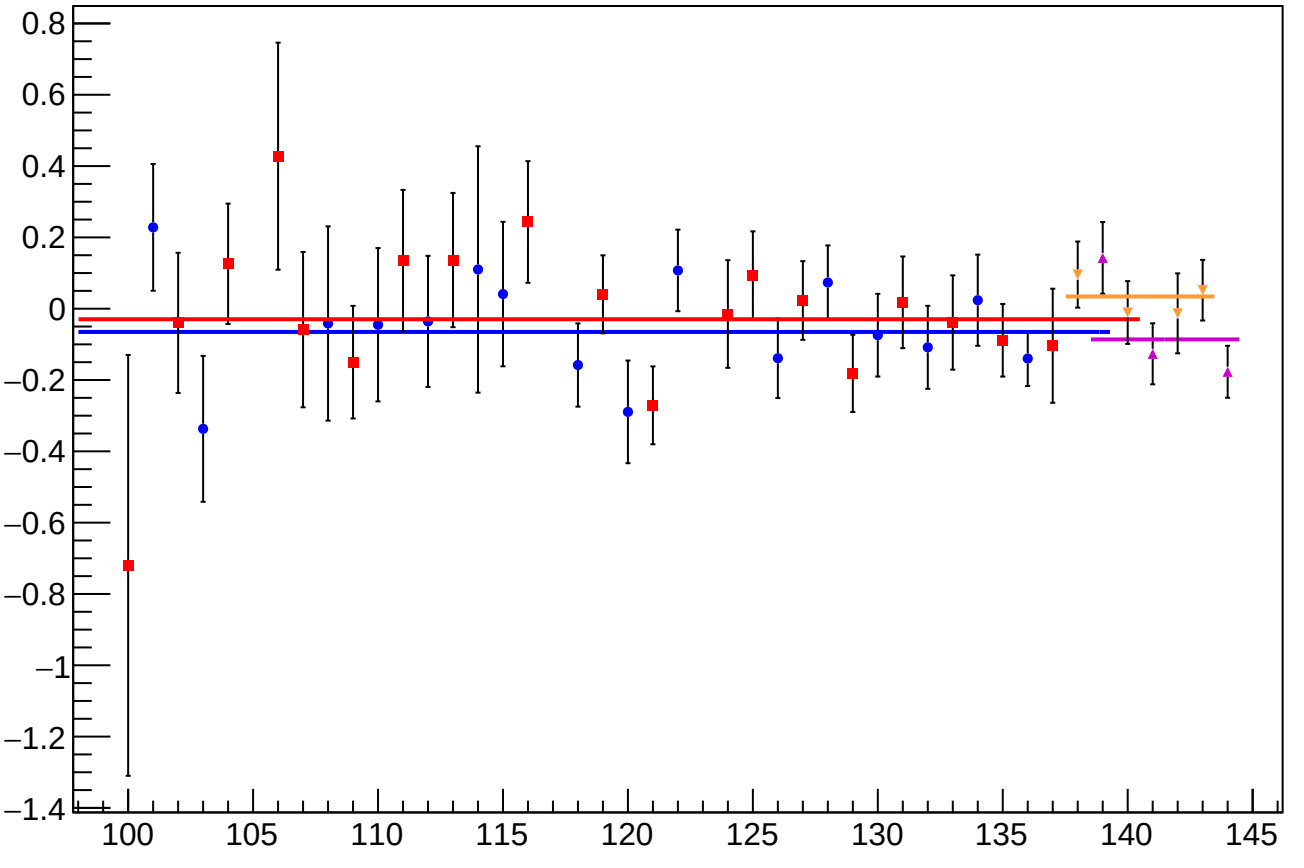
Left: 0.000+/-0.000 χ^2/NDF: 530346.8/6

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3556494.6/18

Out: 0.000+/-0.000 χ^2/NDF:3566365.0/22

All: 0.000+/-0.000 χ^2/NDF: 7124940.5/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.086+/-0.049 χ^2/NDF:7.0/2

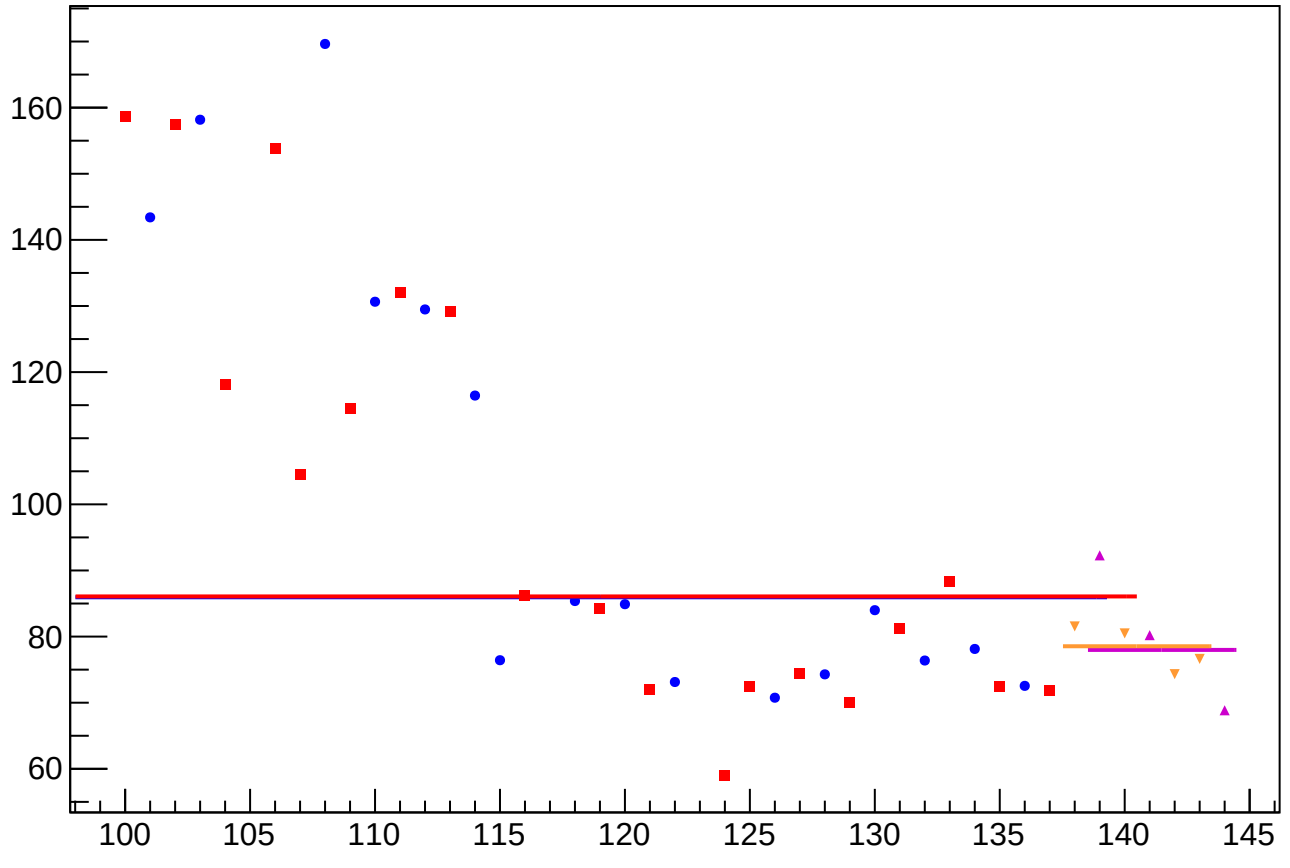
Left: -0.023+/-0.034 χ^2/NDF: 11.1/6

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.072+/-0.027 χ^2/NDF:21.3/18

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.039+/-0.019 χ^2/NDF: 44.3/41



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.537+/-0.033 χ^2/NDF:6915.9/3

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 77.984+/-0.034 χ^2/NDF:73318.6/2

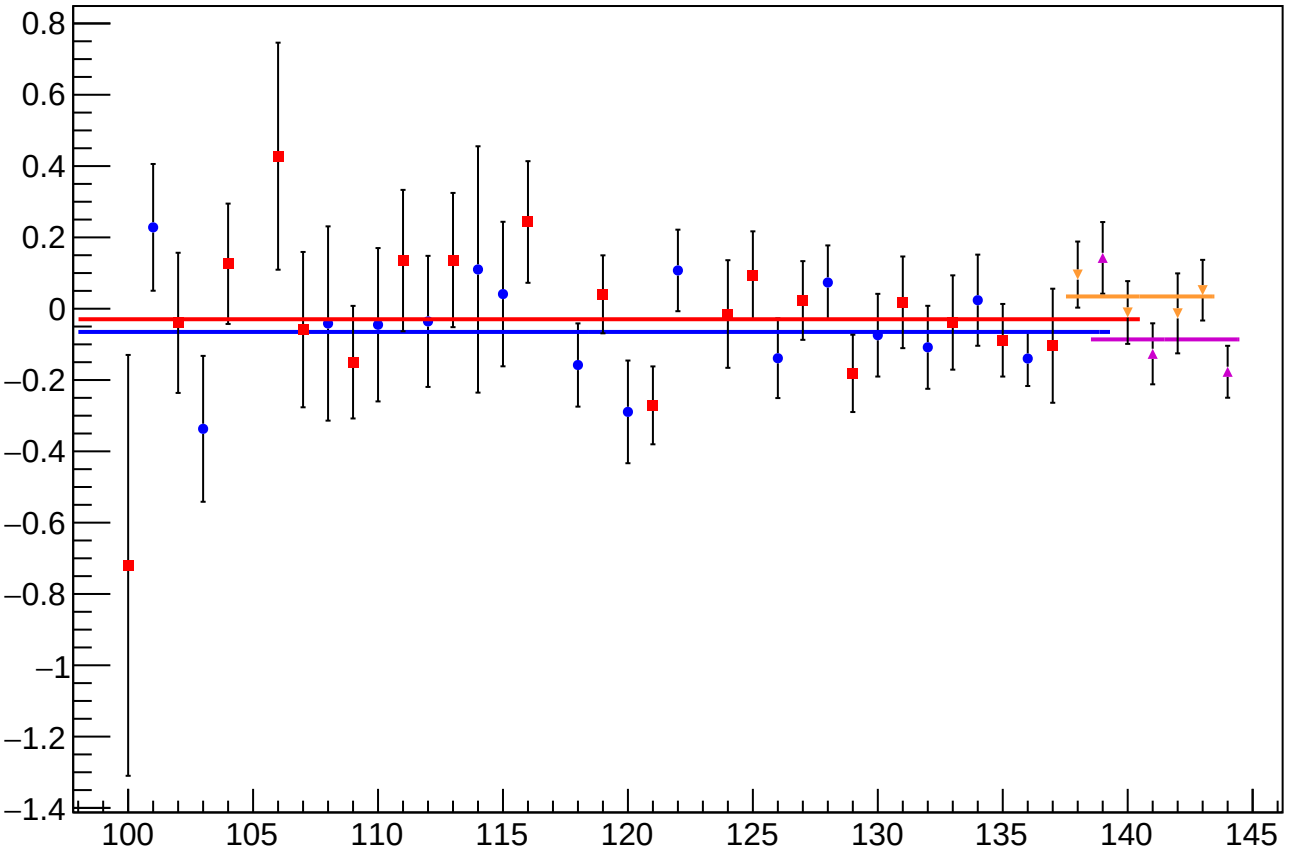
Left: 78.273+/-0.024 χ^2/NDF: 80369.9/6

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.397+/-0.019 χ^2/NDF:1144896.6/18

Out: 83.549+/-0.019 χ^2/NDF:1033288.0/22

All: 83.475+/-0.014 χ^2/NDF: 2178215.9/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.086+/-0.049 χ^2/NDF:7.0/2

Left: -0.023+/-0.034 χ^2/NDF: 11.1/6

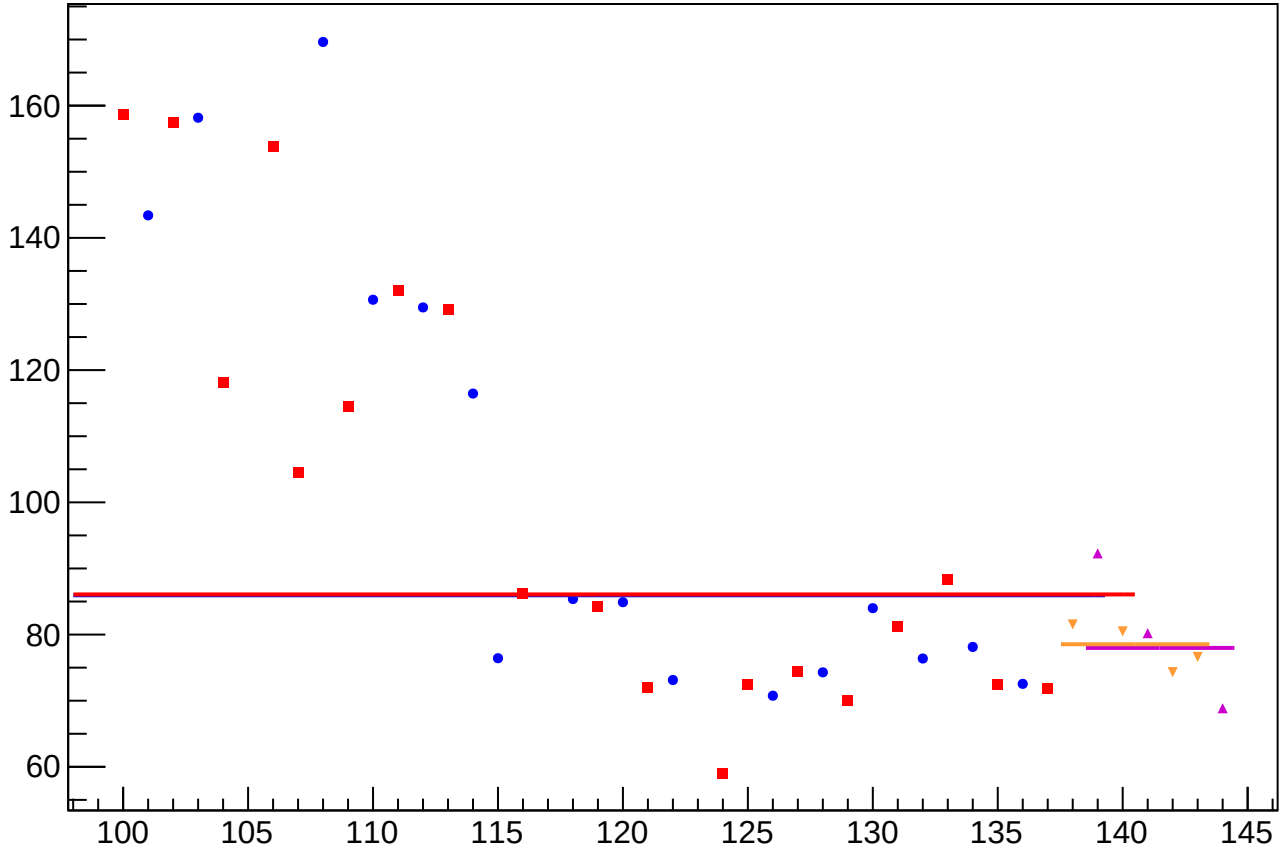
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.072+/-0.027 χ^2/NDF:21.3/18

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.039+/-0.019 χ^2/NDF: 44.3/41

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: 78.537+/-0.033 χ^2/NDF:6915.9/3

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 77.984+/-0.034 χ^2/NDF:73318.6/2

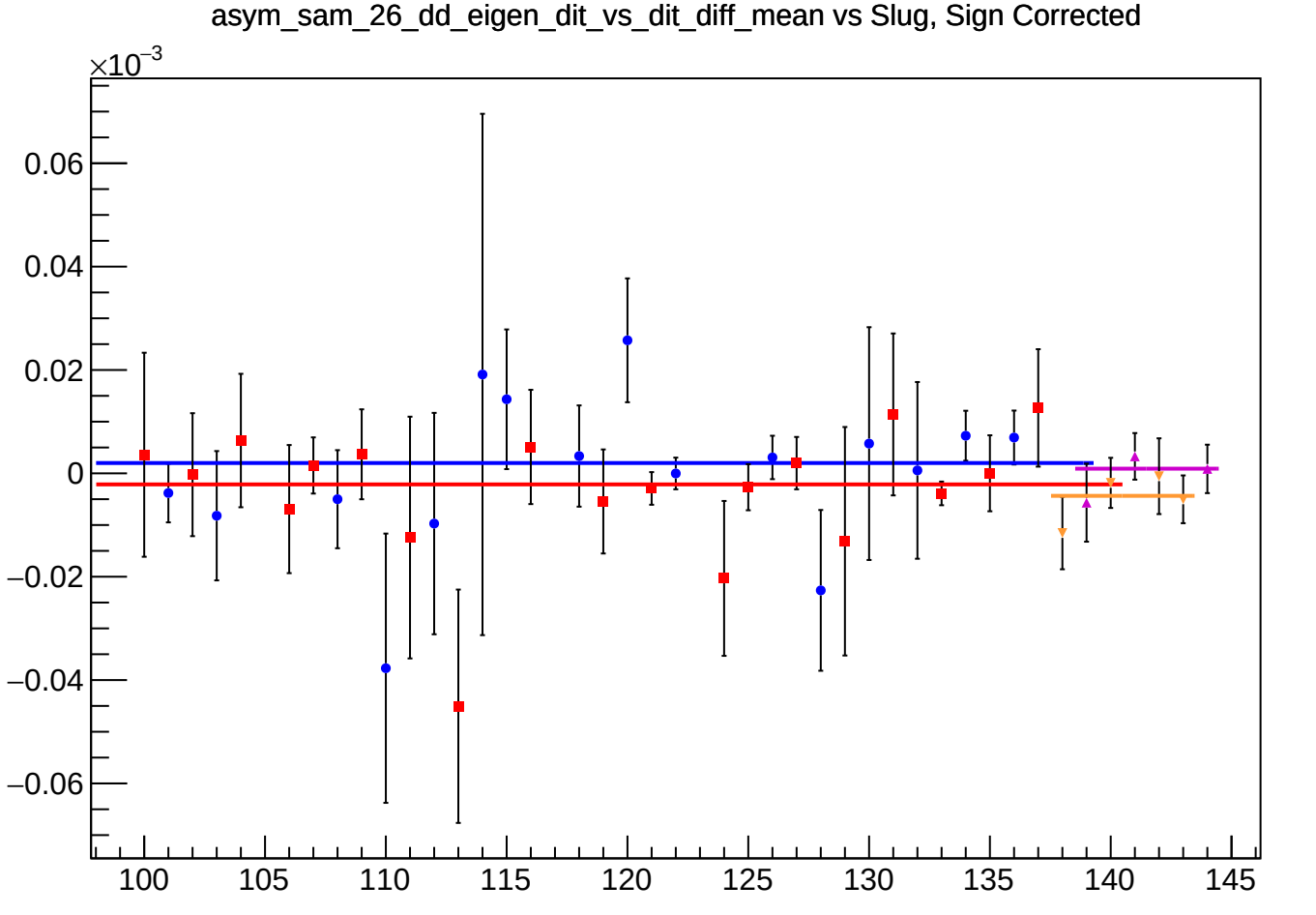
Left: 78.273+/-0.024 χ^2/NDF: 80369.9/6

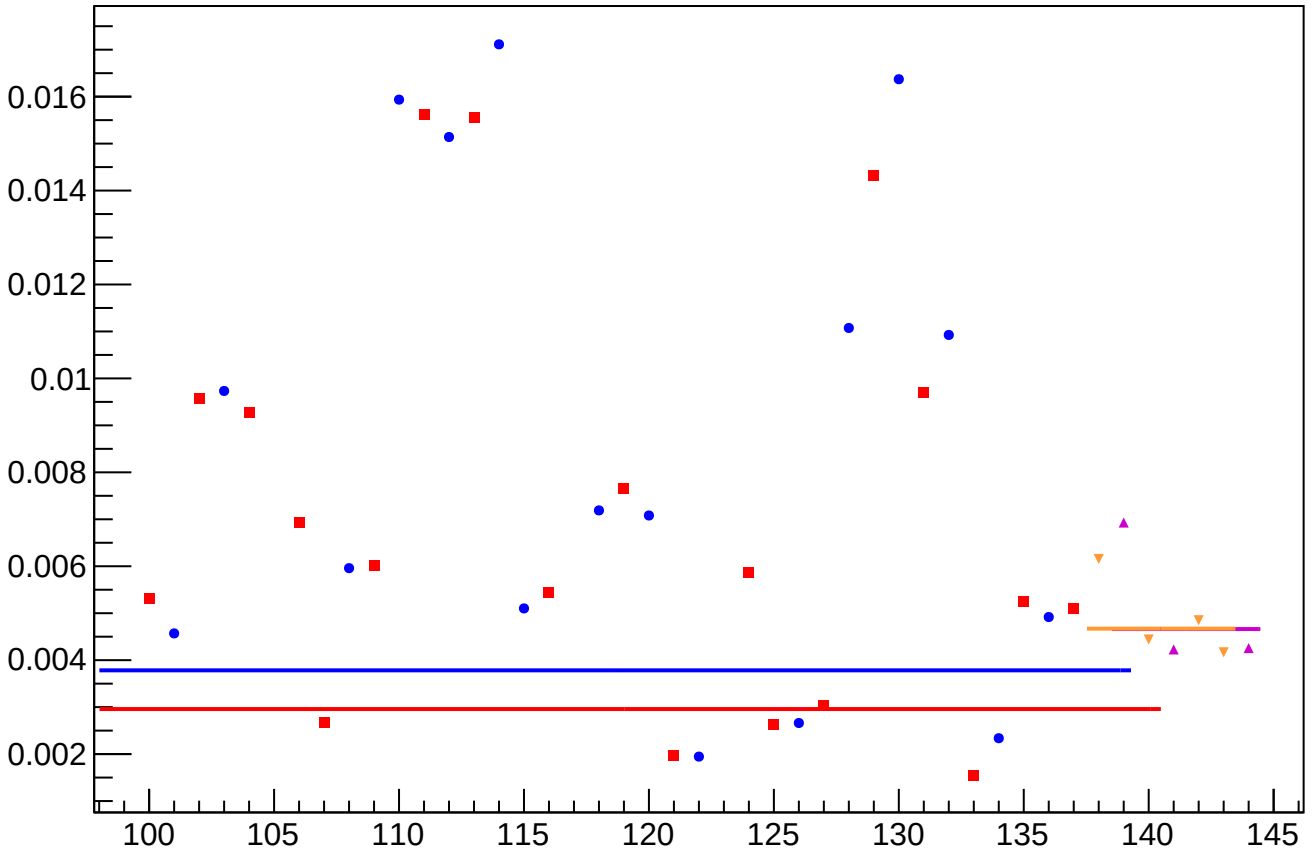
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.397+/-0.019 χ^2/NDF:1144896.6/18

Out: 83.549+/-0.019 χ^2/NDF:1033288.0/22

All: 83.475+/-0.014 χ^2/NDF: 2178215.9/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:1.6/3
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:1.0/2
Left: -0.000+/-0.000 χ²/NDF: 4.3/6
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:16.0/18
Out: -0.000+/-0.000 χ²/NDF:13.6/22
All: -0.000+/-0.000 χ²/NDF: 34.5/41



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:118951.9/3

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:214184.0/2

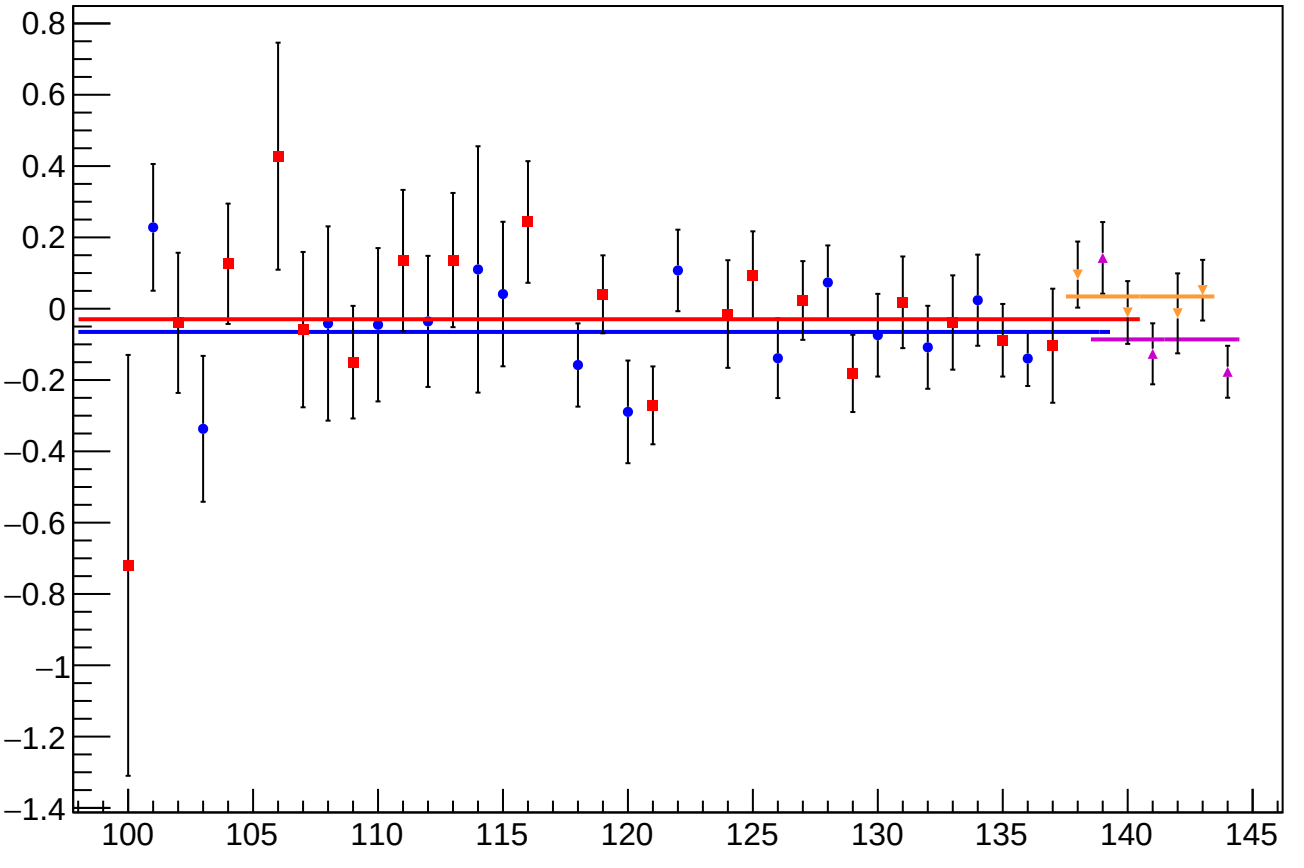
Left: 0.005+/-0.000 χ^2/NDF: 333145.2/6

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5037887.4/18

Out: 0.003+/-0.000 χ^2/NDF:6267473.0/22

All: 0.004+/-0.000 χ^2/NDF: 11563321.3/41



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.086+/-0.049 χ^2/NDF:7.0/2

Left: -0.023+/-0.034 χ^2/NDF: 11.1/6

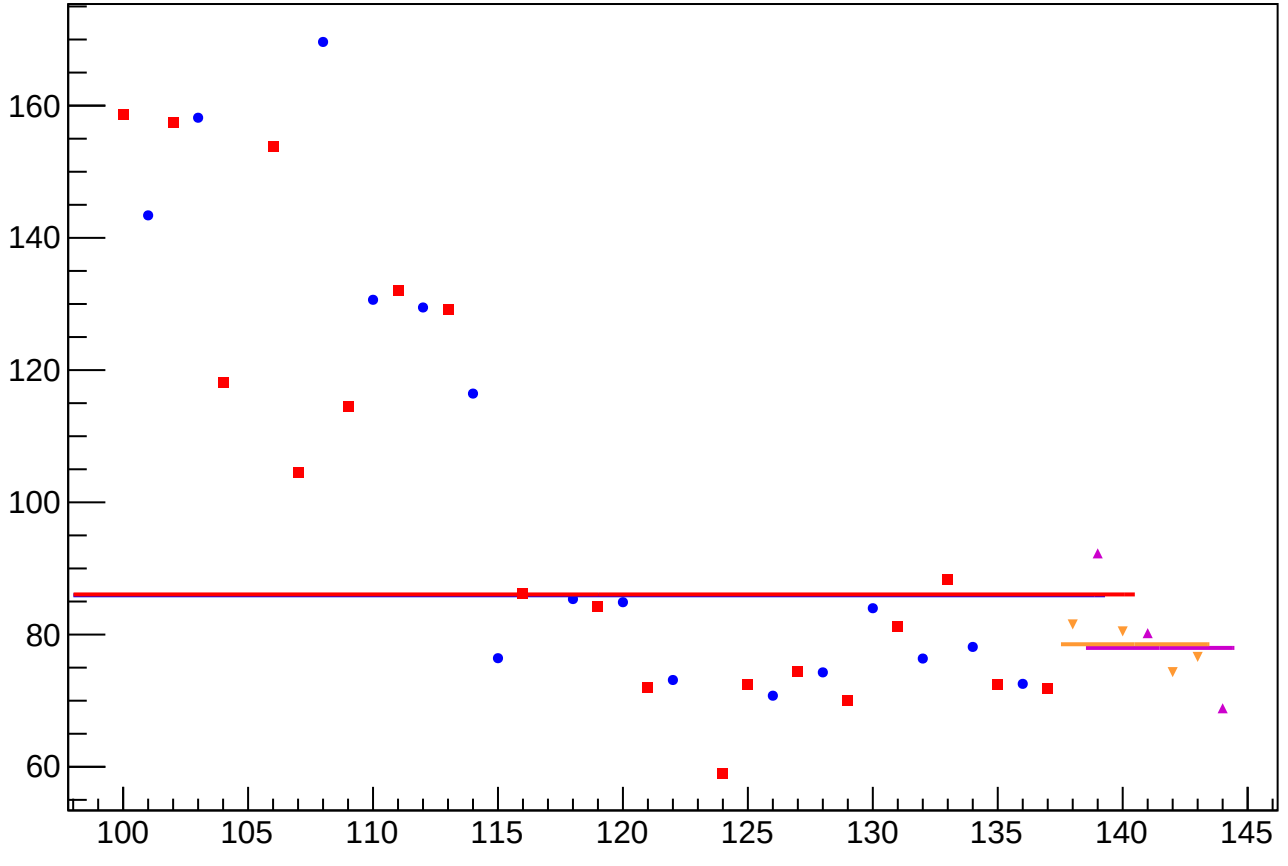
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.072+/-0.027 χ^2/NDF:21.3/18

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.039+/-0.019 χ^2/NDF: 44.3/41

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: 78.536+/-0.033 χ^2/NDF:6914.0/3

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 77.983+/-0.034 χ^2/NDF:73316.3/2

Left: 78.272+/-0.024 χ^2/NDF: 80365.7/6

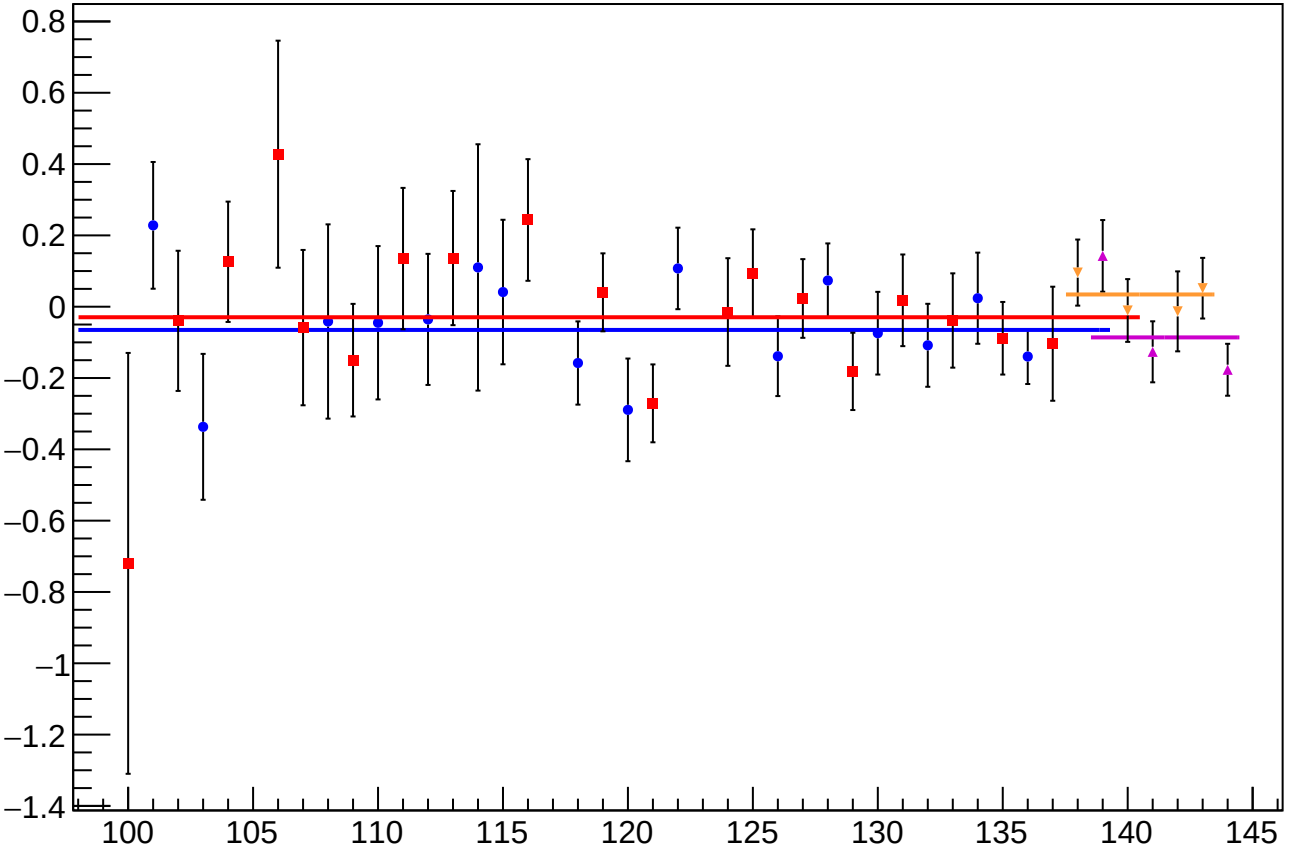
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.396+/-0.019 χ^2/NDF:1144859.7/18

Out: 83.548+/-0.019 χ^2/NDF:1033264.6/22

All: 83.473+/-0.014 χ^2/NDF: 2178155.7/41

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: 0.034+/-0.046 χ^2/NDF:0.9/3

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.086+/-0.049 χ^2/NDF:7.0/2

Left: -0.023+/-0.034 χ^2/NDF: 11.1/6

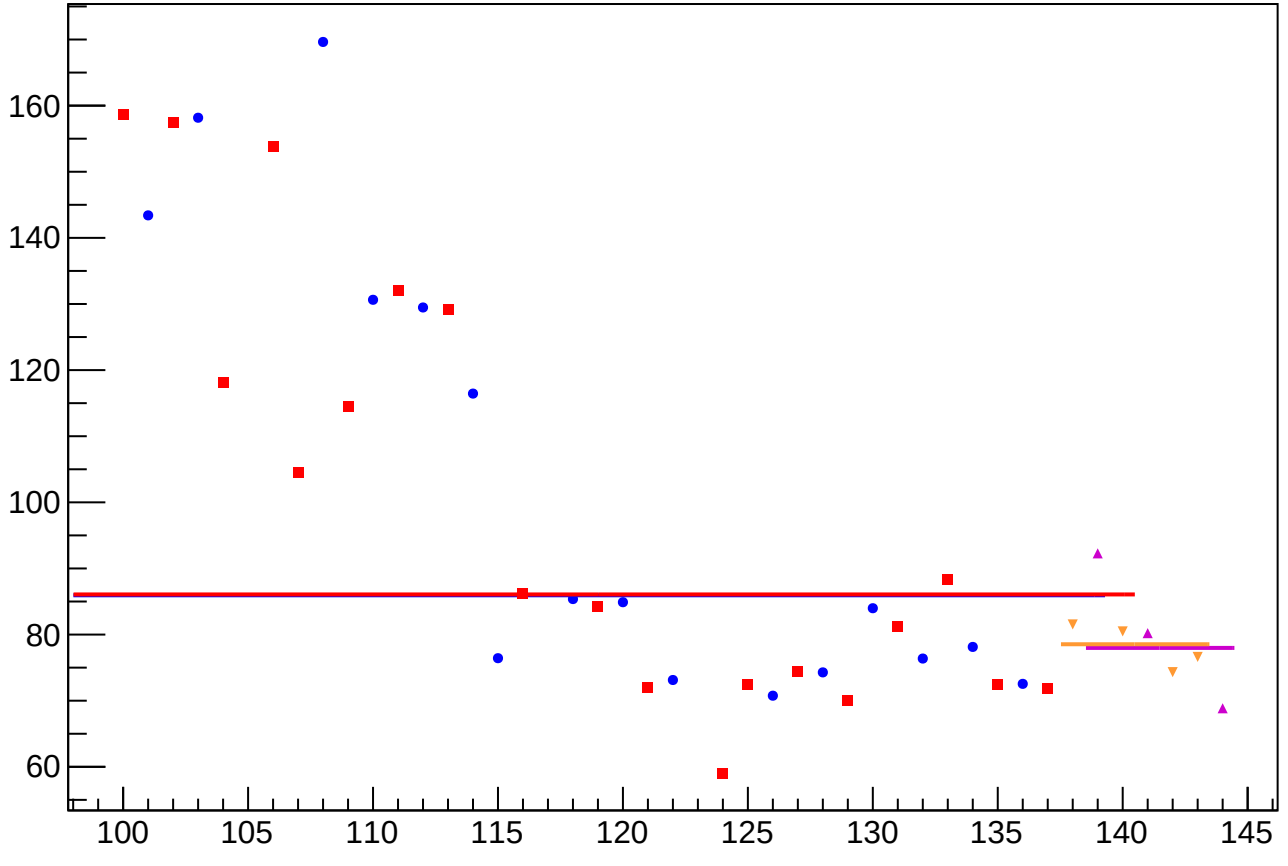
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.072+/-0.027 χ^2/NDF:21.3/18

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.039+/-0.019 χ^2/NDF: 44.3/41

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: 78.536+/-0.033 χ^2/NDF:6914.0/3

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 77.983+/-0.034 χ^2/NDF:73316.3/2

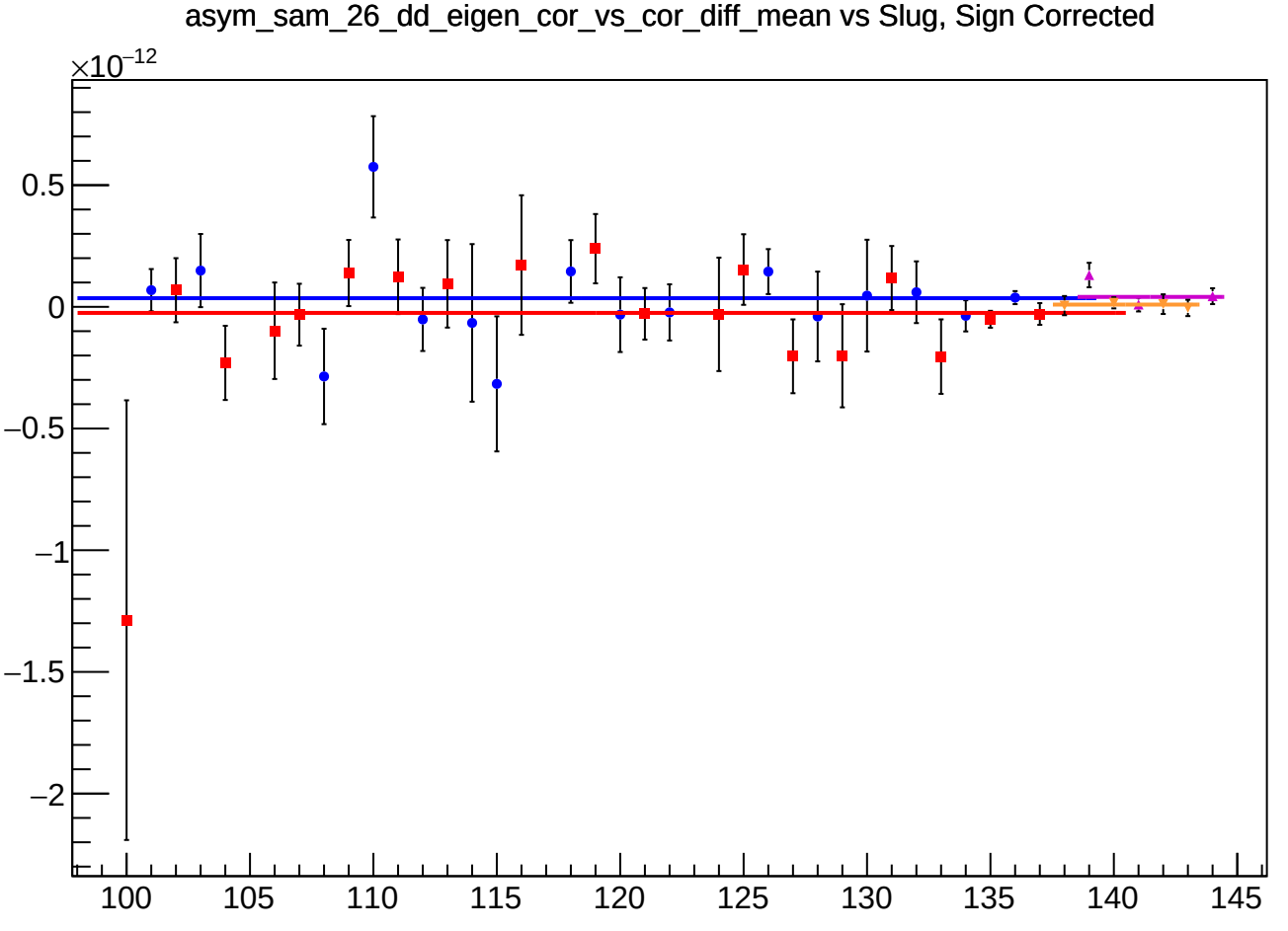
Left: 78.272+/-0.024 χ^2/NDF: 80365.7/6

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.396+/-0.019 χ^2/NDF:1144859.7/18

Out: 83.548+/-0.019 χ^2/NDF:1033264.6/22

All: 83.473+/-0.014 χ^2/NDF: 2178155.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/2

Left: 0.000+/-0.000 χ^2/NDF: 6.2/6

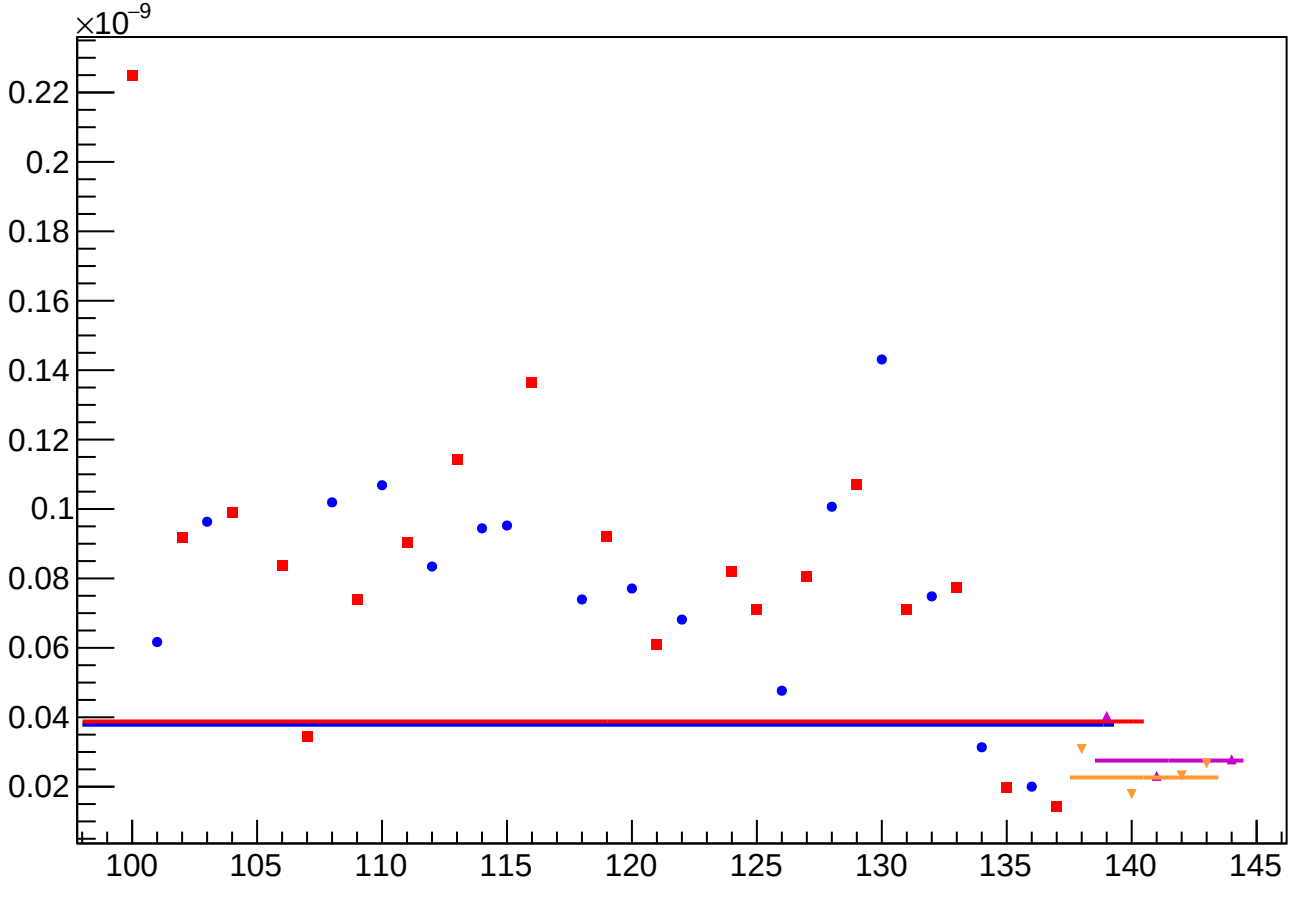
Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:20.8/18

Out: -0.000+/-0.000 χ^2/NDF:19.8/22

All: 0.000+/-0.000 χ^2/NDF: 45.0/41

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:203065.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:178909.8/2

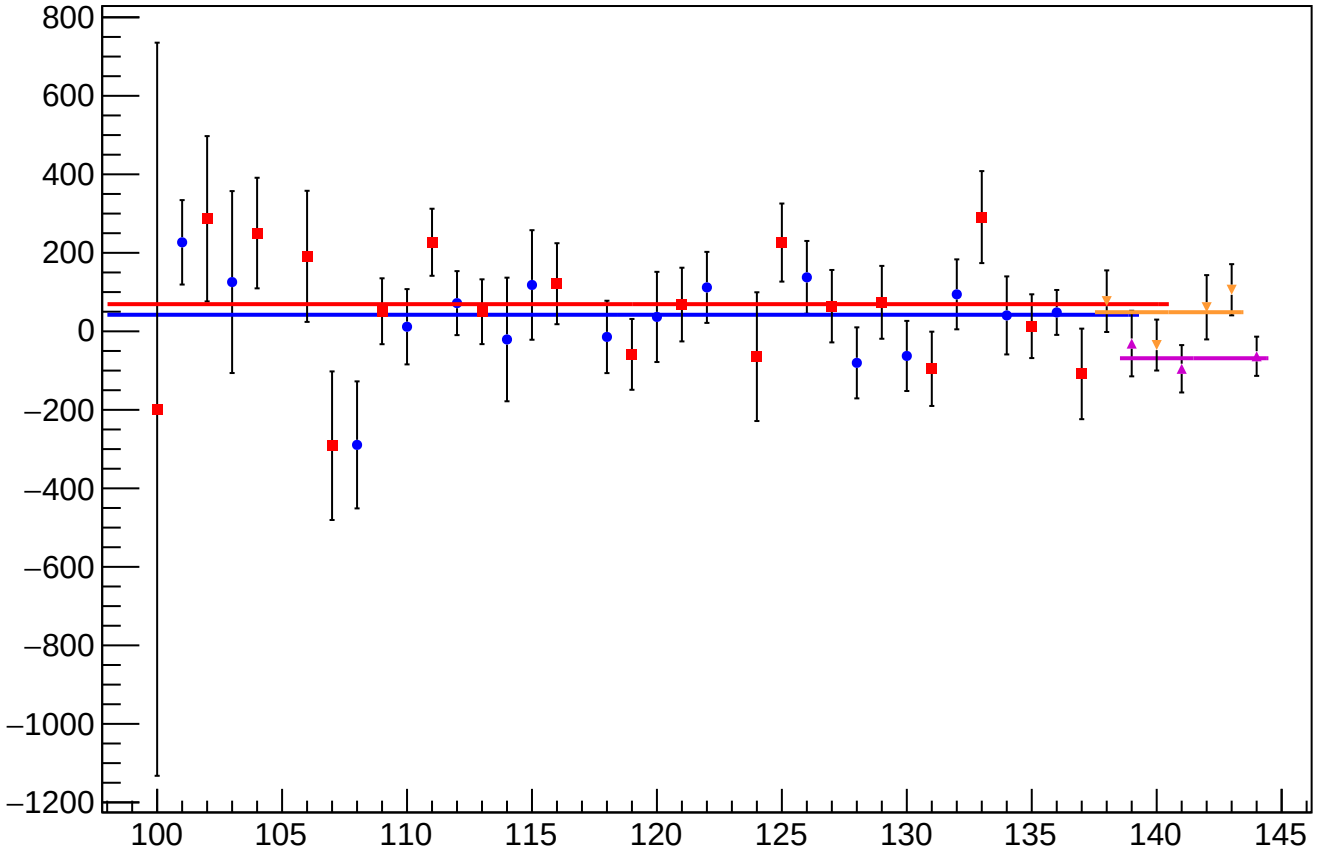
Left: 0.000+/-0.000 χ^2/NDF: 456943.9/6

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3897253.0/18

Out: 0.000+/-0.000 χ^2/NDF:5030465.6/22

All: 0.000+/-0.000 χ^2/NDF: 9034914.8/41



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.750+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -68.529+/-34.952 χ^2/NDF:0.4/2

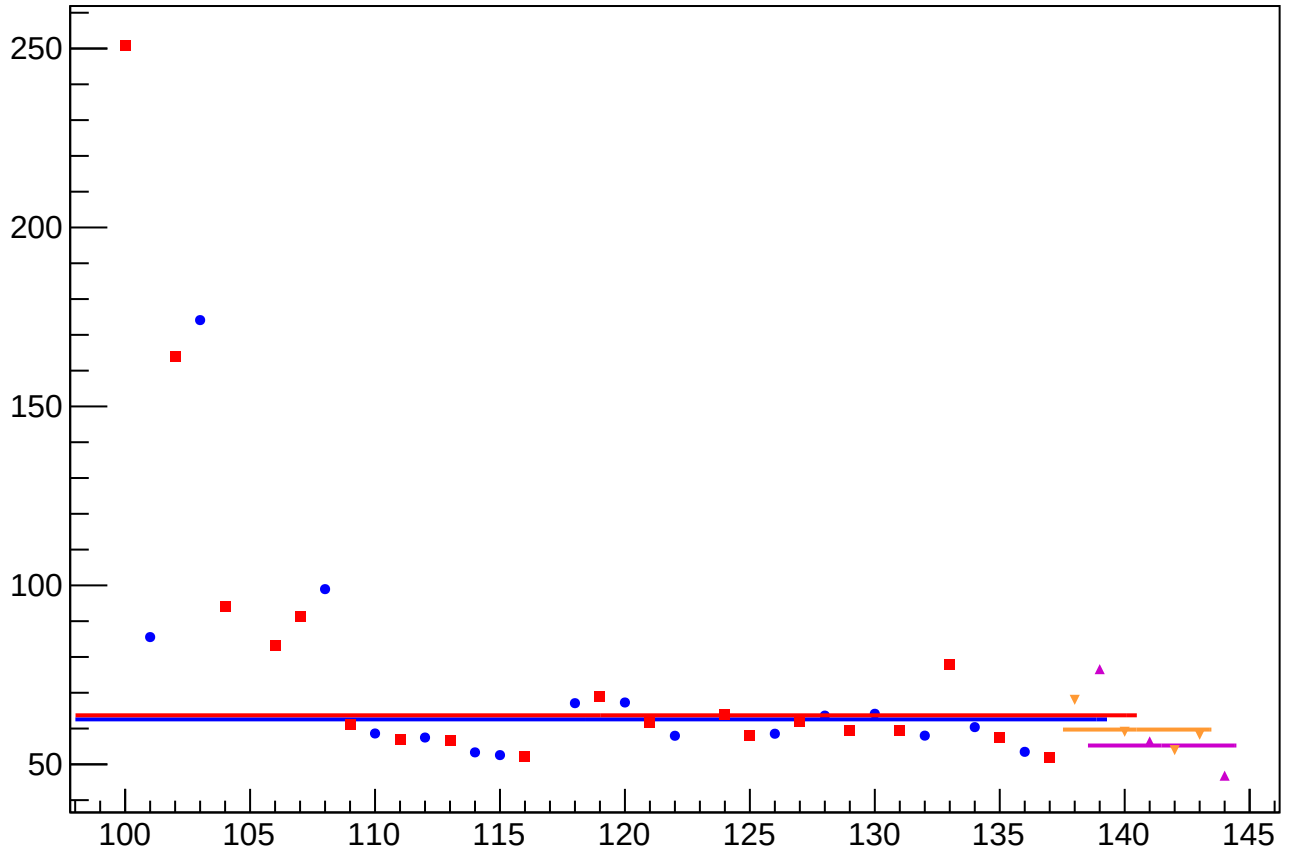
Left: -11.141+/-24.977 χ^2/NDF: 8.5/6

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: 6.319+/-19.900 χ^2/NDF:20.7/18

Out: 62.717+/-20.156 χ^2/NDF:28.2/22

All: 34.158+/-14.161 χ^2/NDF: 52.9/41



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

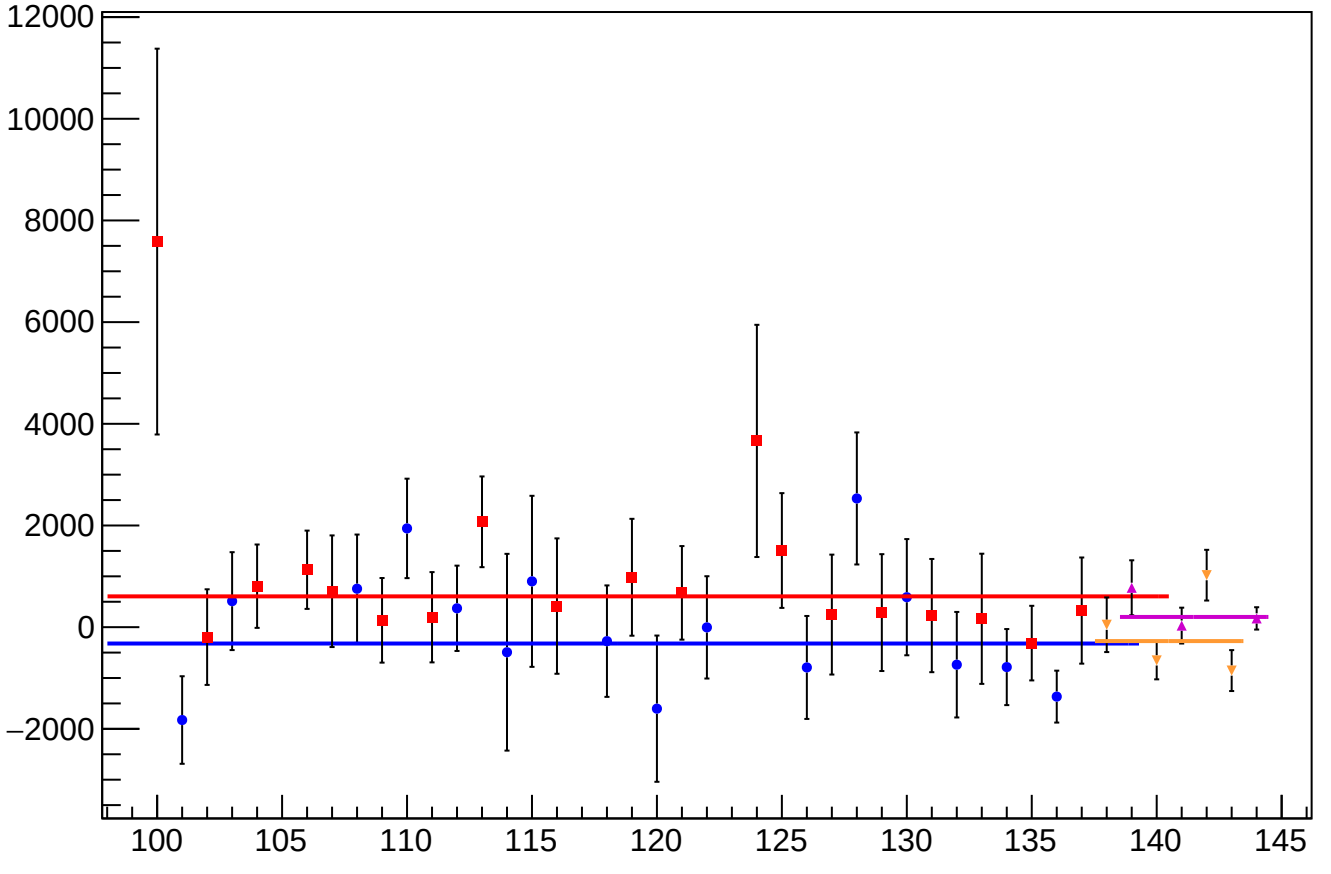
Left: 57.441+/-0.018 χ^2/NDF: 237579.5/6

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 60.198+/-0.014 χ^2/NDF:1005853.2/18

Out: 62.430+/-0.014 χ^2/NDF:884609.0/22

All: 61.300+/-0.010 χ^2/NDF: 1902881.8/41



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -273.760+/-218.888 χ^2/NDF:10.2/3

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 201.134+/-176.236 χ^2/NDF:1.4/2

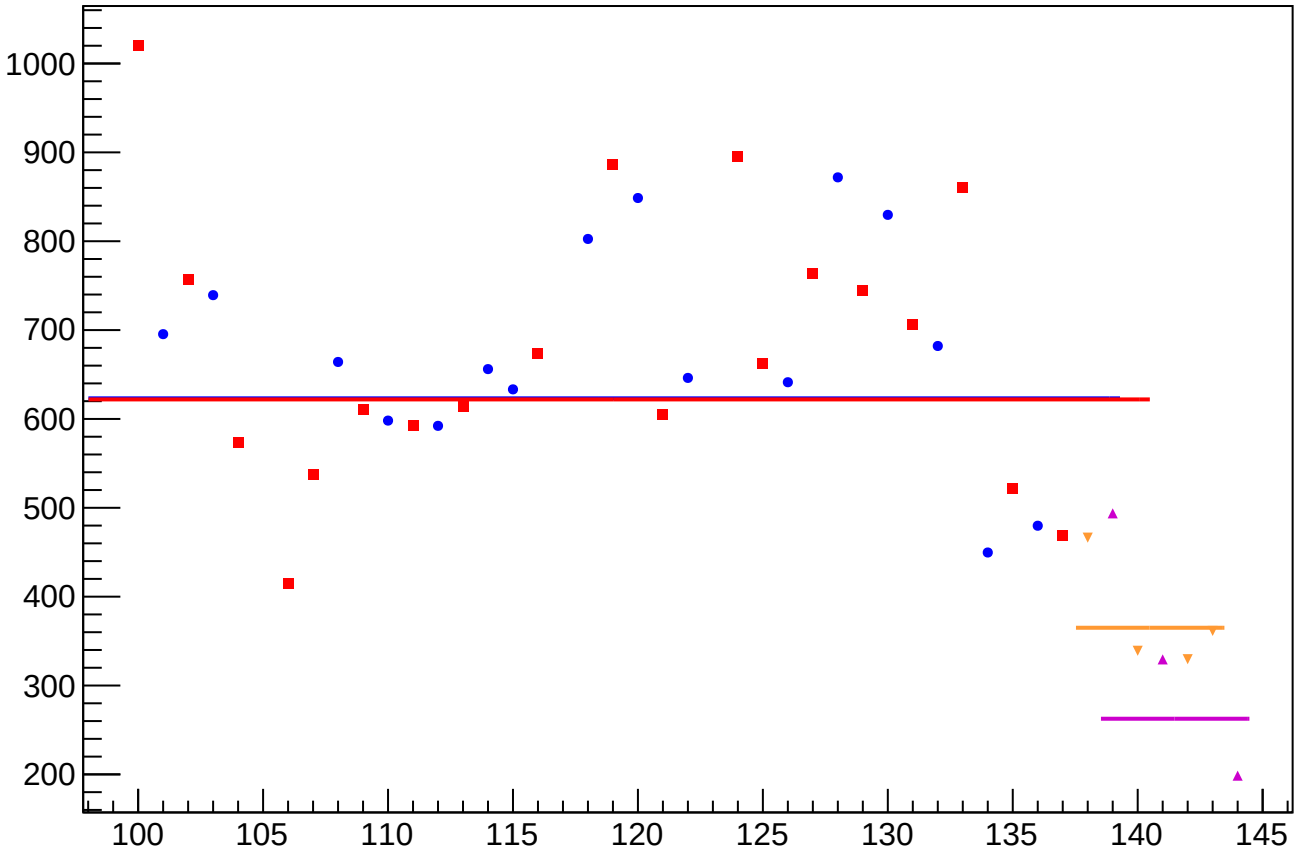
Left: 14.359+/-137.272 χ^2/NDF: 14.5/6

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 16.474+/-141.735 χ^2/NDF:27.2/18

Out: 137.400+/-159.739 χ^2/NDF:30.3/22

All: 69.741+/-106.018 χ^2/NDF: 57.8/41



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 365.017+/-0.155 χ^2/NDF:91150.8/3

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 262.627+/-0.125 χ^2/NDF:607402.5/2

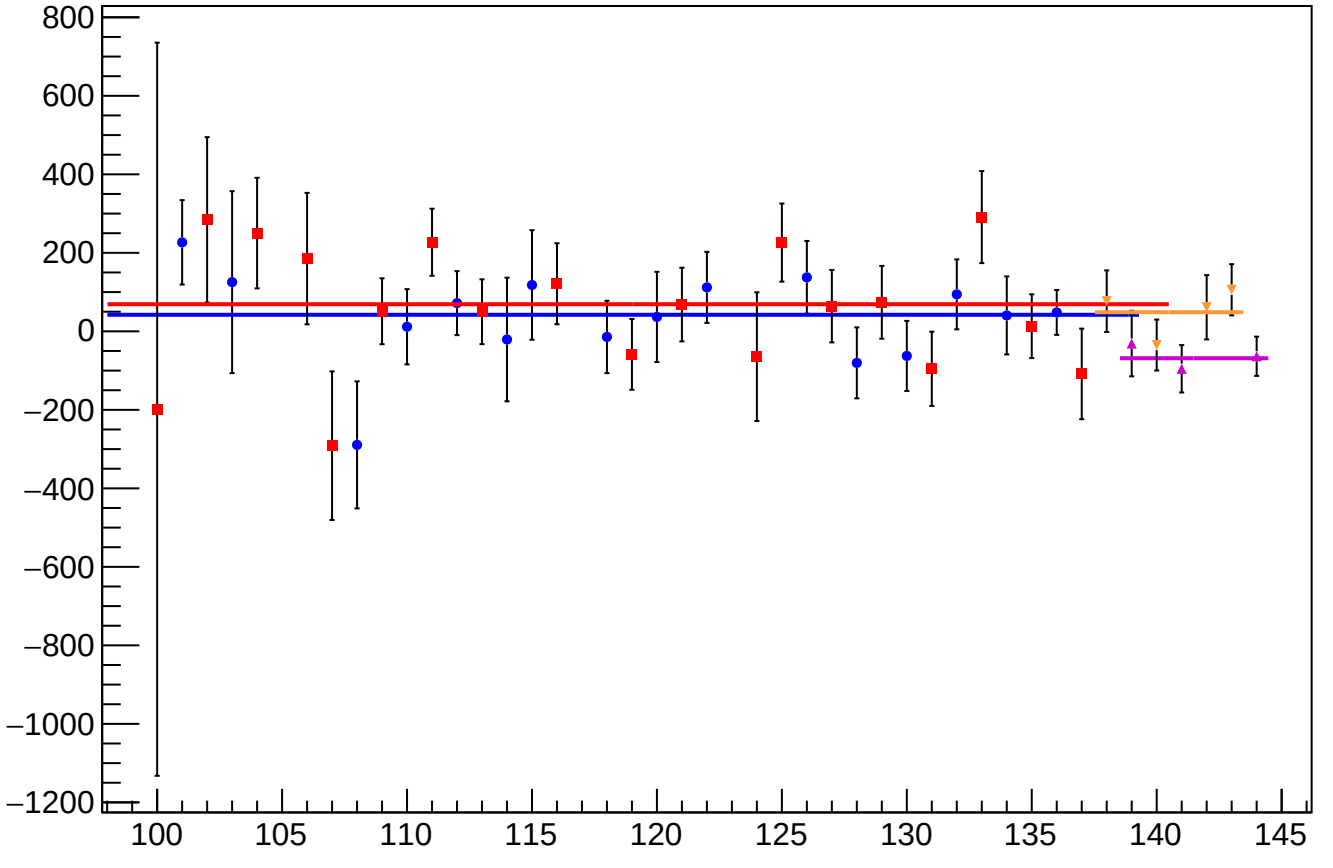
Left: 302.897+/-0.097 χ^2/NDF: 964061.6/6

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 389.980+/-0.100 χ^2/NDF:4129706.0/18

Out: 485.127+/-0.113 χ^2/NDF:1962063.8/22

All: 431.891+/-0.075 χ^2/NDF: 6488781.3/41



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -68.525+/-34.952 χ^2/NDF:0.4/2

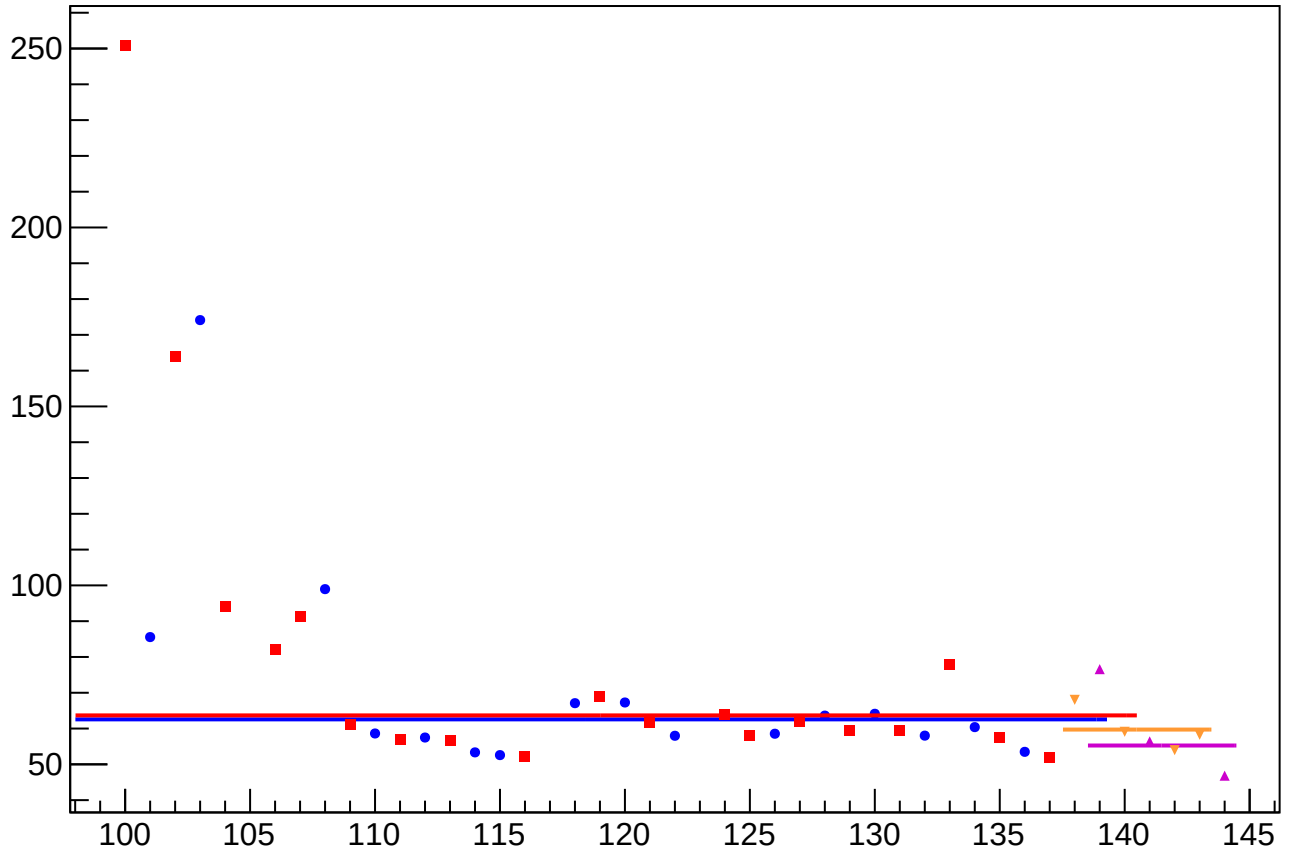
Left: -11.137+/-24.977 χ^2/NDF: 8.5/6

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 6.316+/-19.900 χ^2/NDF:20.7/18

Out: 62.595+/-20.157 χ^2/NDF:28.1/22

All: 34.095+/-14.161 χ^2/NDF: 52.8/41



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

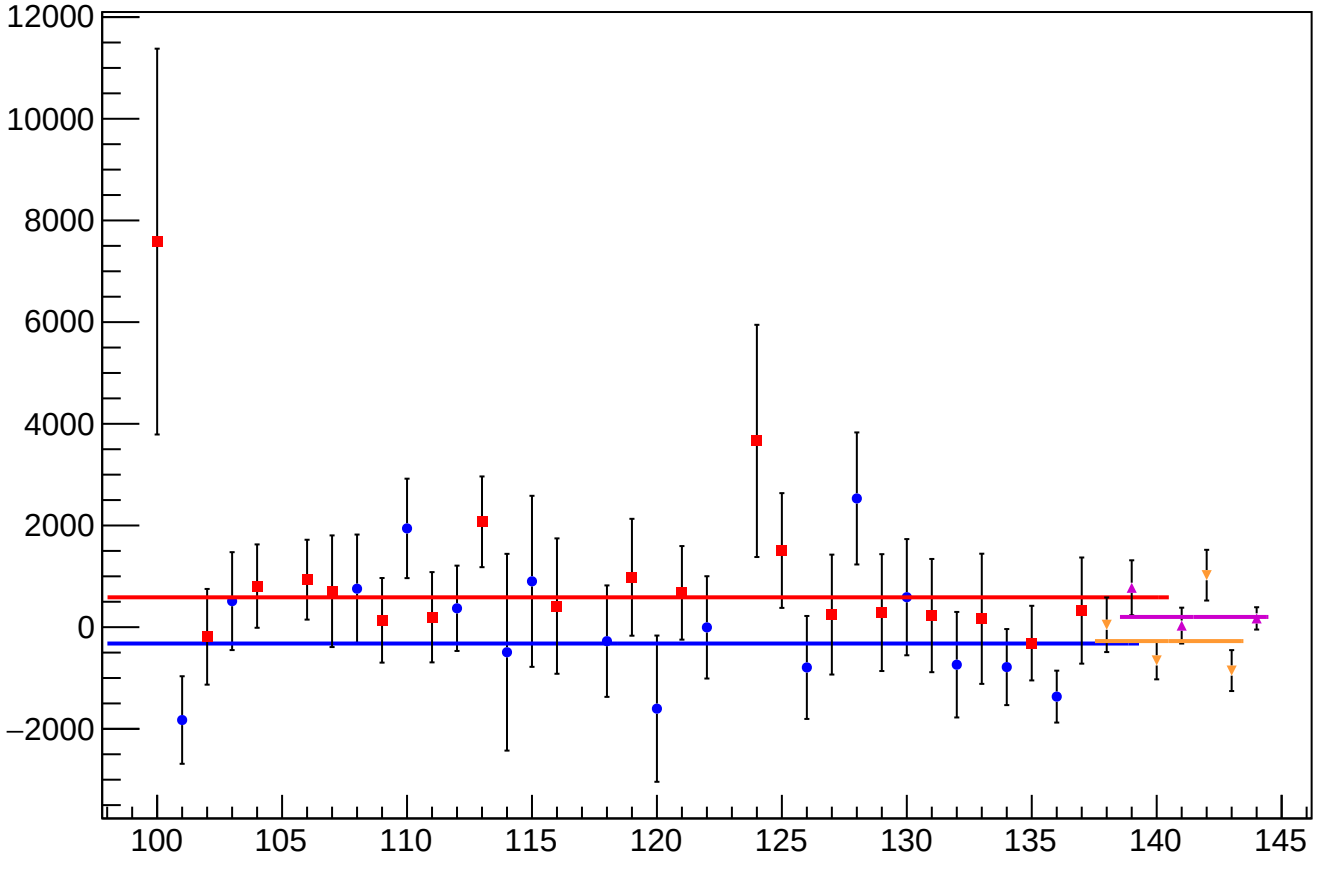
Left: 57.441+/-0.018 χ^2/NDF: 237579.5/6

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 60.198+/-0.014 χ^2/NDF:1005855.3/18

Out: 62.413+/-0.014 χ^2/NDF:881655.7/22

All: 61.291+/-0.010 χ^2/NDF: 1899746.5/41



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 201.145+/-176.236 χ^2/NDF:1.4/2

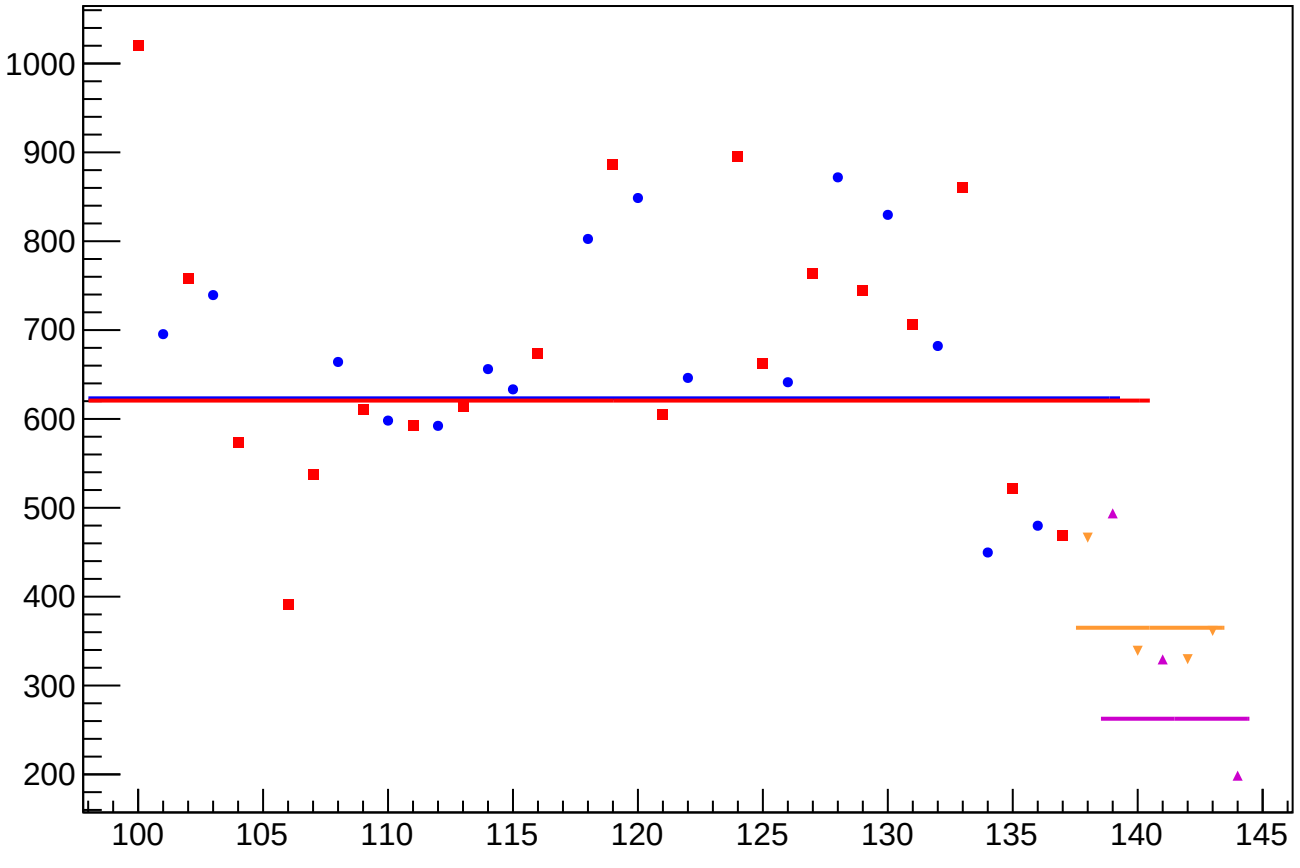
Left: 14.368+/-137.272 χ^2/NDF: 14.5/6

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 16.484+/-141.735 χ^2/NDF:27.2/18

Out: 127.893+/-159.878 χ^2/NDF:29.6/22

All: 65.510+/-106.059 χ^2/NDF: 57.1/41



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 262.627+/-0.125 χ^2/NDF:607403.7/2

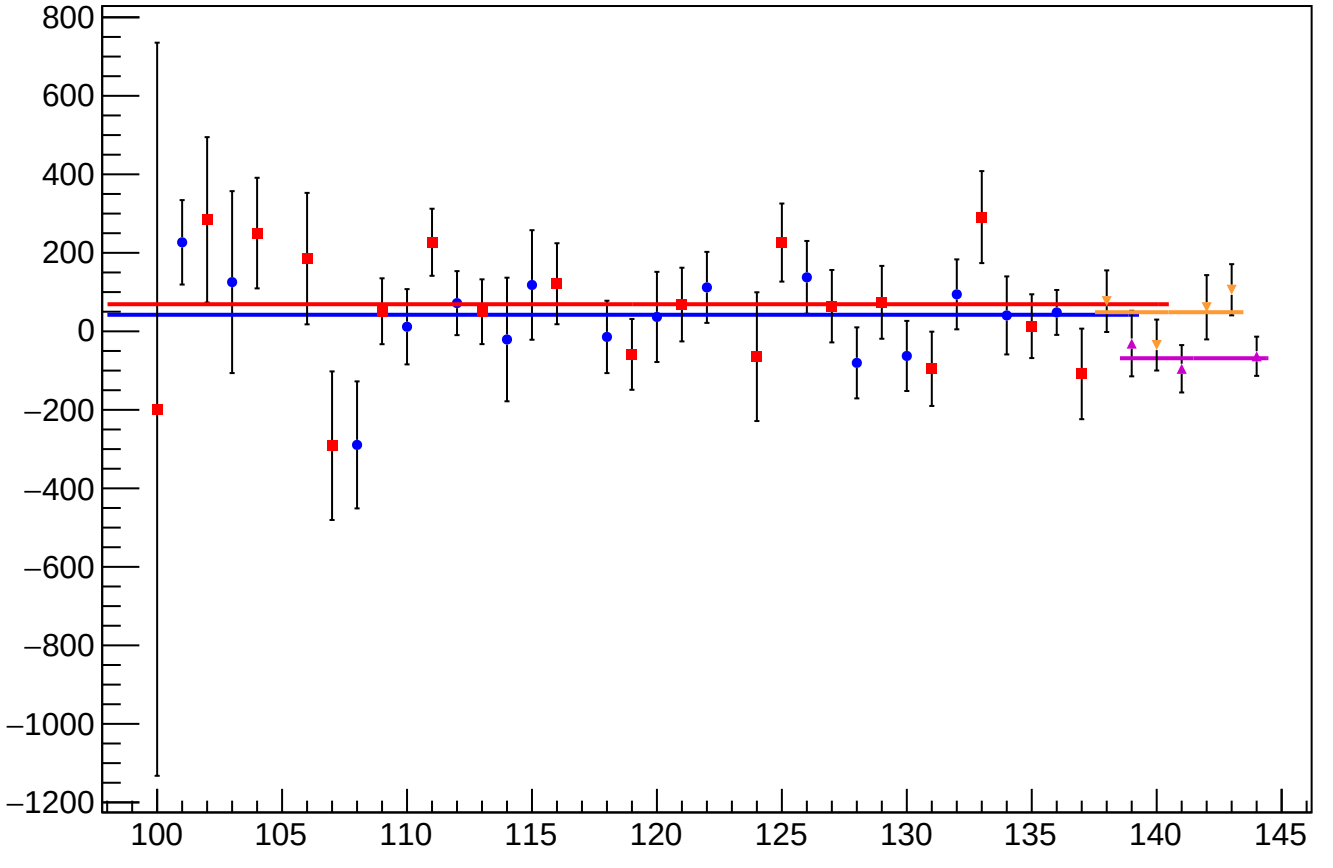
Left: 302.897+/-0.097 χ^2/NDF: 964063.6/6

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 389.980+/-0.100 χ^2/NDF:4129765.0/18

Out: 484.280+/-0.113 χ^2/NDF:1974441.1/22

All: 431.478+/-0.075 χ^2/NDF: 6493804.9/41



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -68.525+/-34.952 χ^2/NDF:0.4/2

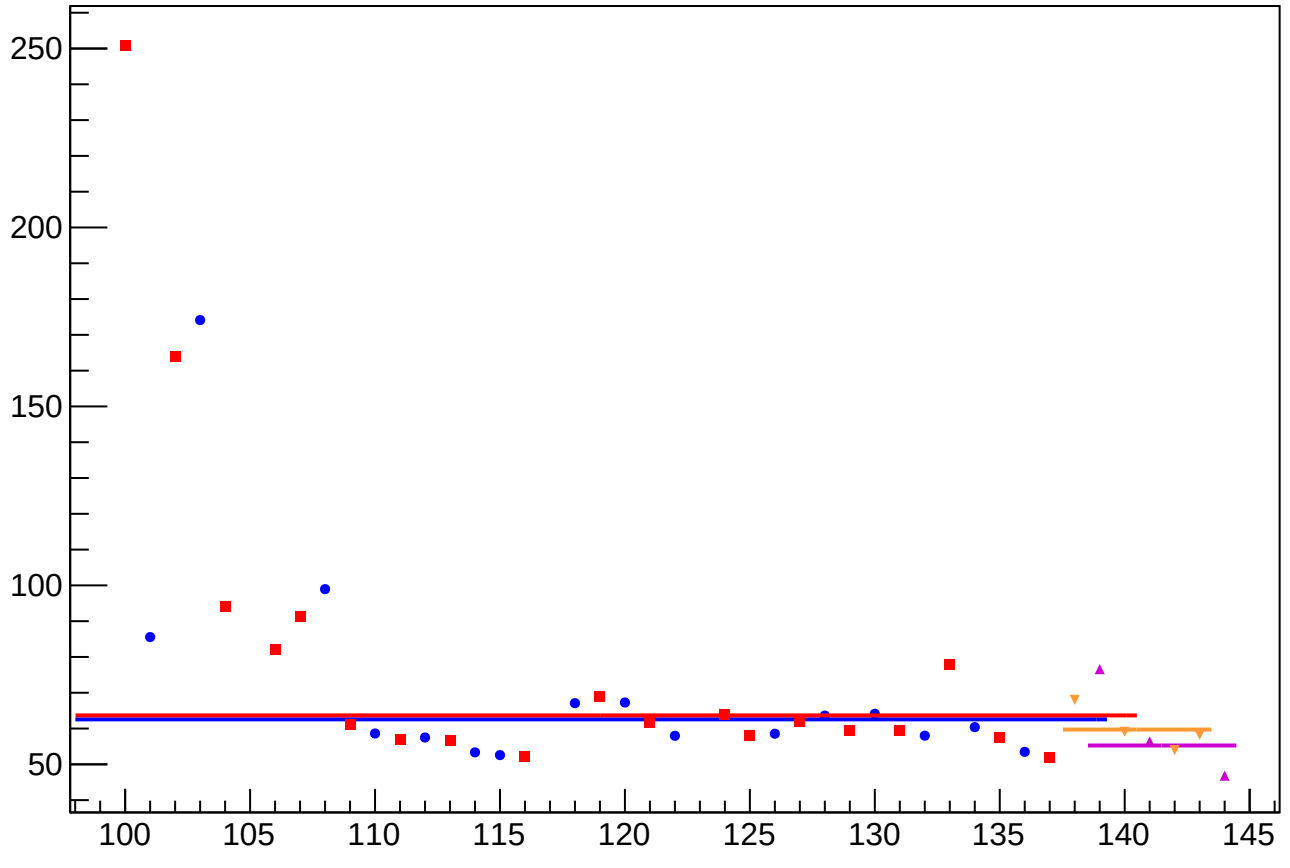
Left: -11.137+/-24.977 χ^2/NDF: 8.5/6

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 6.316+/-19.900 χ^2/NDF:20.7/18

Out: 62.595+/-20.157 χ^2/NDF:28.1/22

All: 34.095+/-14.161 χ^2/NDF: 52.8/41



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 55.261+/-0.025 χ^2/NDF:188222.3/2

Left: 57.441+/-0.018 χ^2/NDF: 237579.5/6

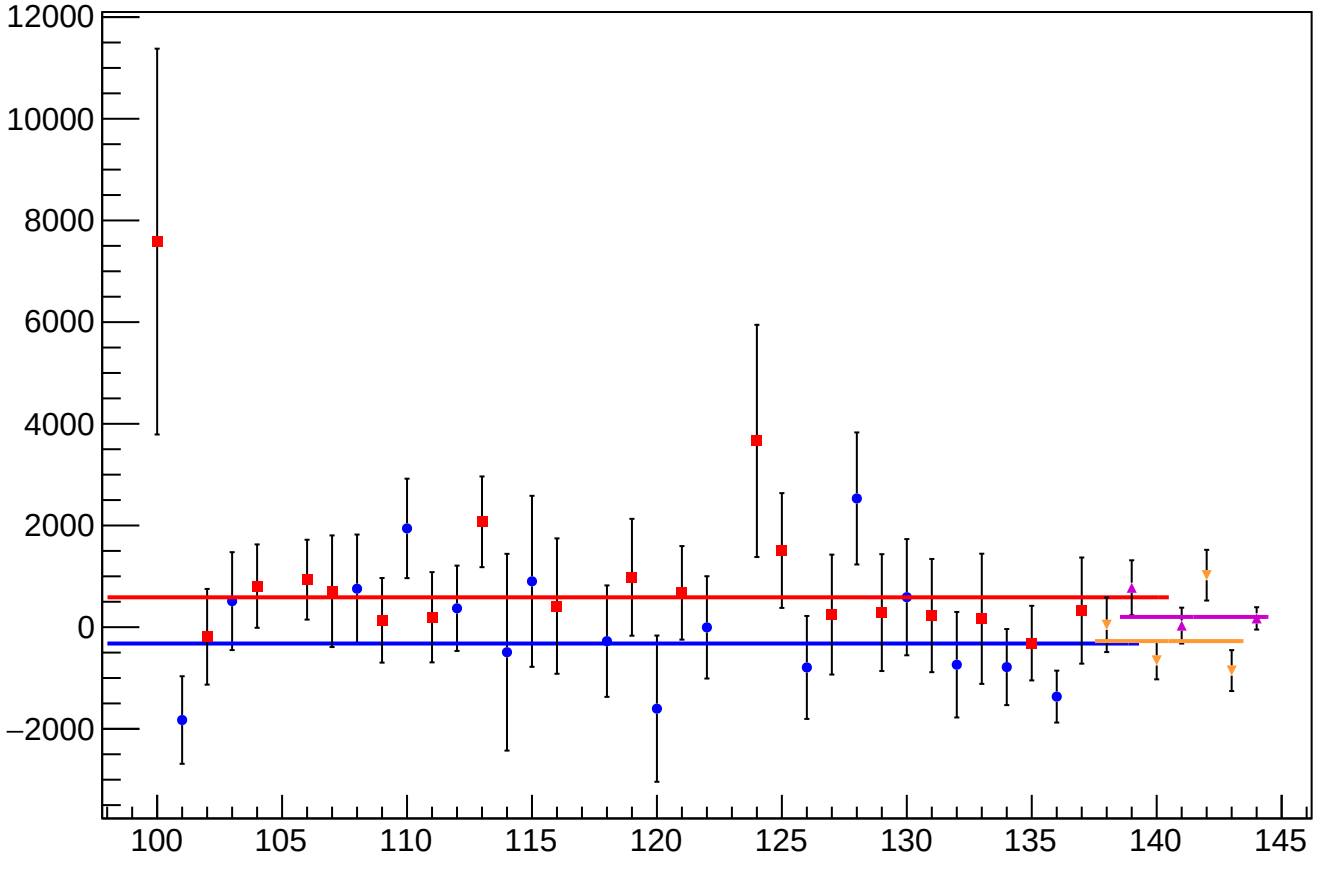
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 60.198+/-0.014 χ^2/NDF:1005855.3/18

Out: 62.413+/-0.014 χ^2/NDF:881655.7/22

All: 61.291+/-0.010 χ^2/NDF: 1899746.5/41

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 201.145+/-176.236 χ^2/NDF:1.4/2

Left: 14.368+/-137.272 χ^2/NDF: 14.5/6

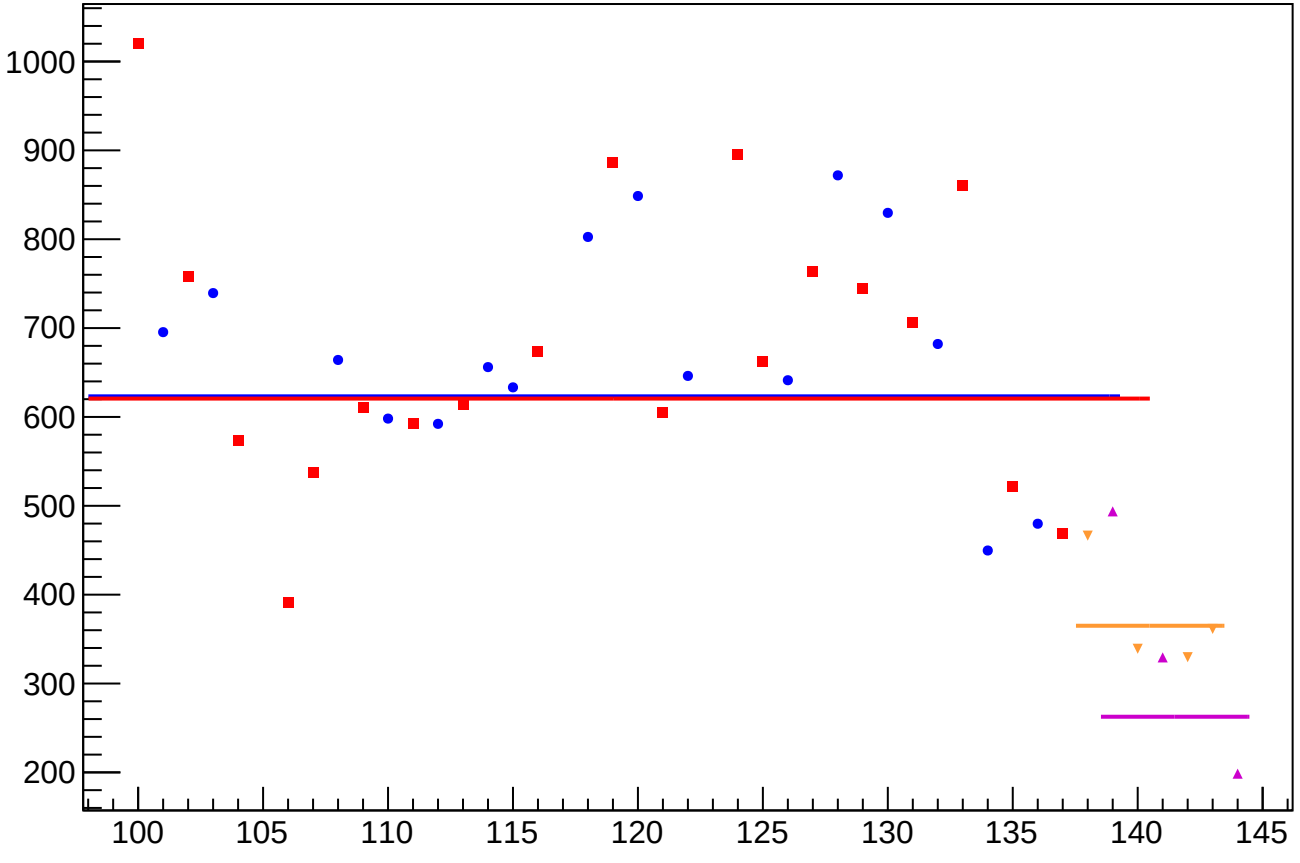
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 16.484+/-141.735 χ^2/NDF:27.2/18

Out: 127.893+/-159.878 χ^2/NDF:29.6/22

All: 65.510+/-106.059 χ^2/NDF: 57.1/41

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: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 262.627+/-0.125 χ^2/NDF:607403.7/2

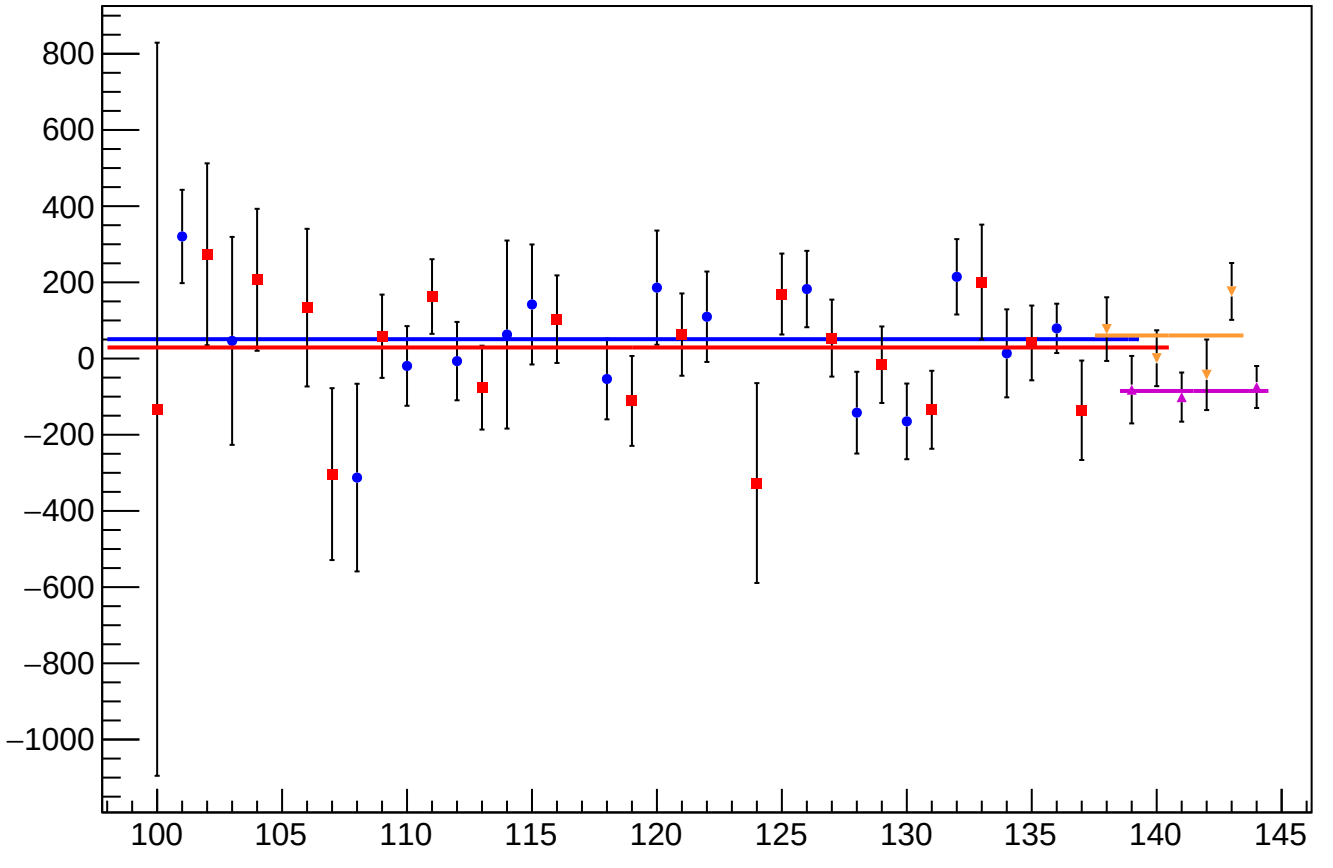
Left: 302.897+/-0.097 χ^2/NDF: 964063.6/6

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 389.980+/-0.100 χ^2/NDF:4129765.0/18

Out: 484.280+/-0.113 χ^2/NDF:1974441.1/22

All: 431.478+/-0.075 χ^2/NDF: 6493804.9/41



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 60.542+/-39.986 χ^2/NDF:4.3/3

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -85.118+/-37.876 χ^2/NDF:0.1/2

Left: -16.231+/-27.498 χ^2/NDF: 11.4/6

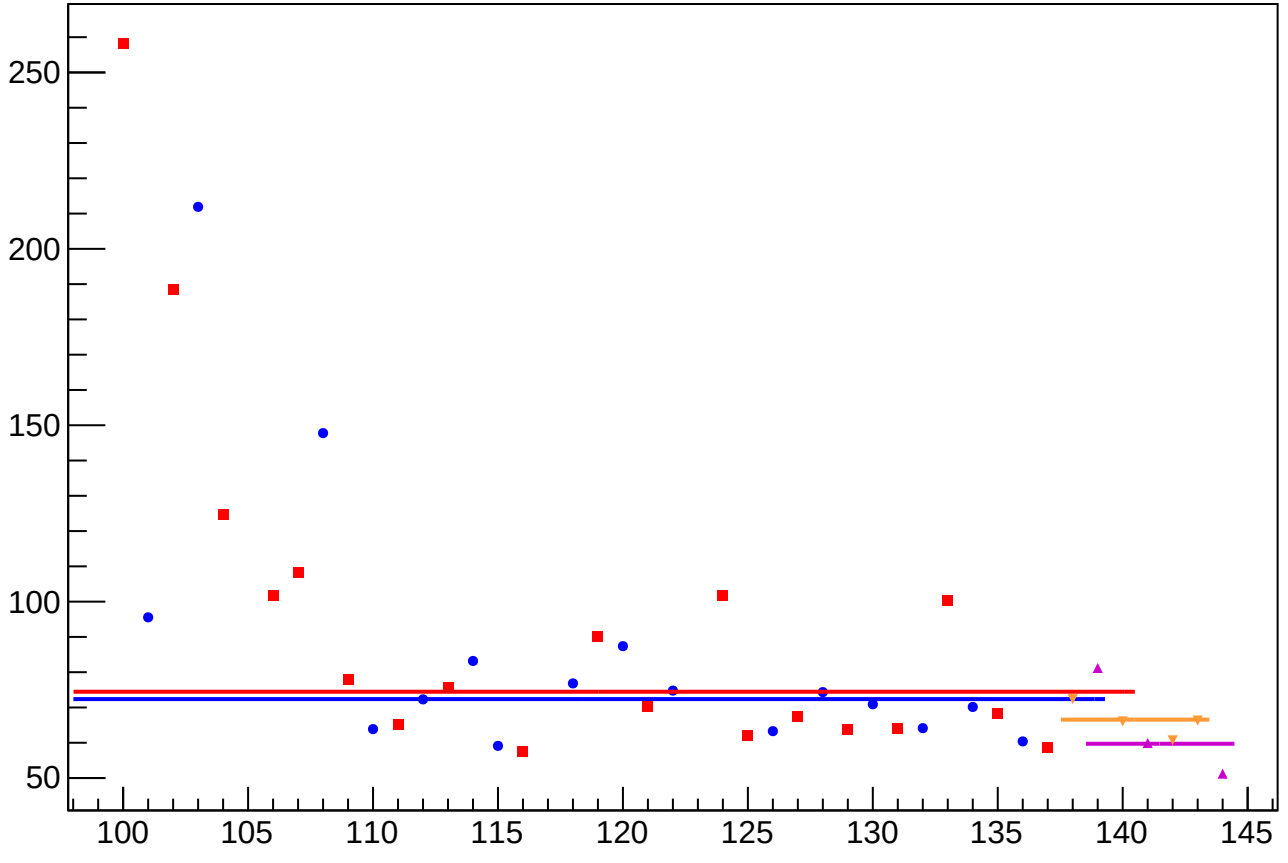
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: 2.096+/-22.679 χ^2/NDF:31.2/18

Out: 39.854+/-23.428 χ^2/NDF:23.3/22

All: 20.362+/-16.295 χ^2/NDF: 55.8/41

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 66.557+/-0.028 χ^2/NDF:17825.5/3

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 59.719+/-0.027 χ^2/NDF:165084.1/2

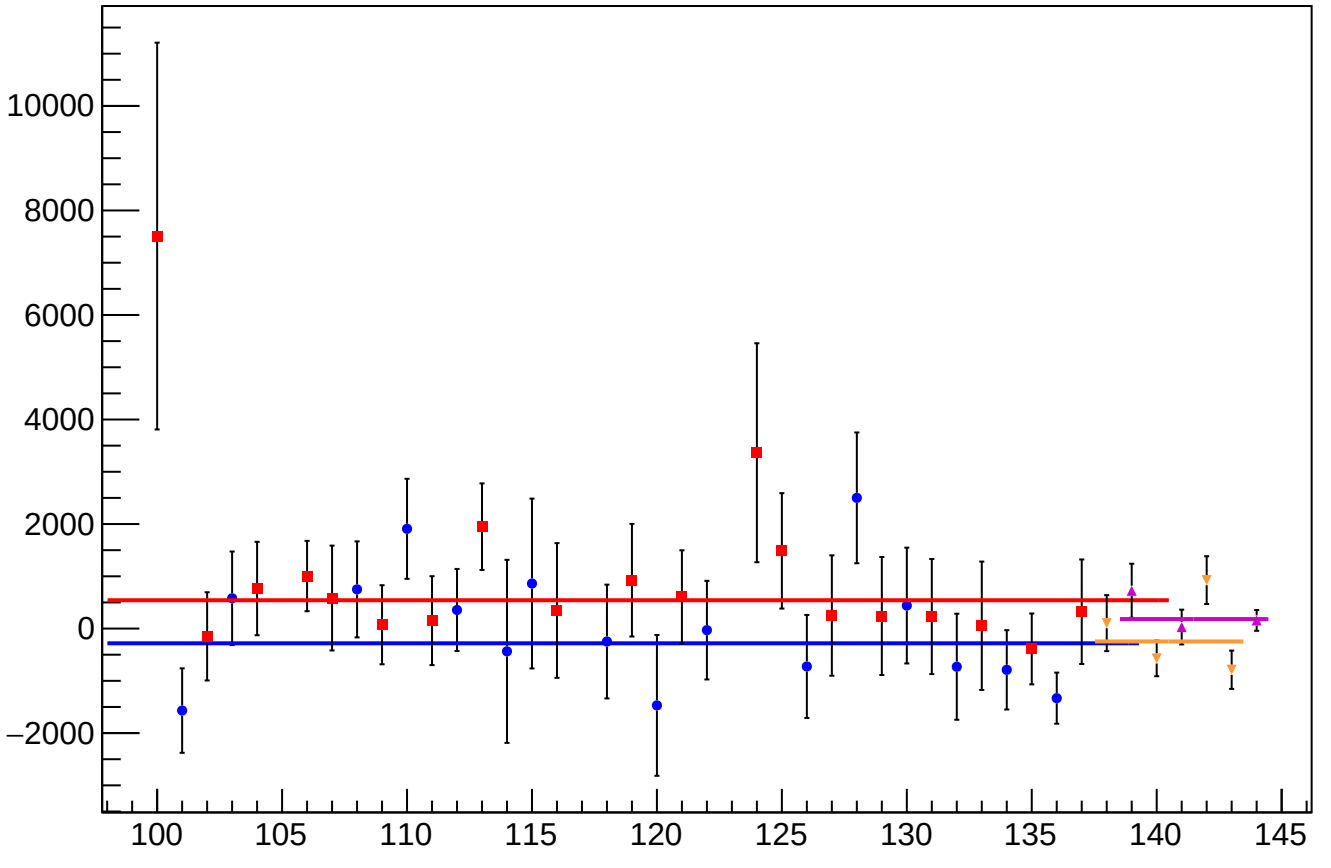
Left: 62.953+/-0.019 χ^2/NDF: 213742.0/6

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 67.839+/-0.016 χ^2/NDF:1246563.6/18

Out: 71.749+/-0.017 χ^2/NDF:1121468.1/22

All: 69.731+/-0.012 χ^2/NDF: 2396791.6/41



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.565+/-202.910 χ^2/NDF:10.1/3

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 181.473+/-161.986 χ^2/NDF:1.3/2

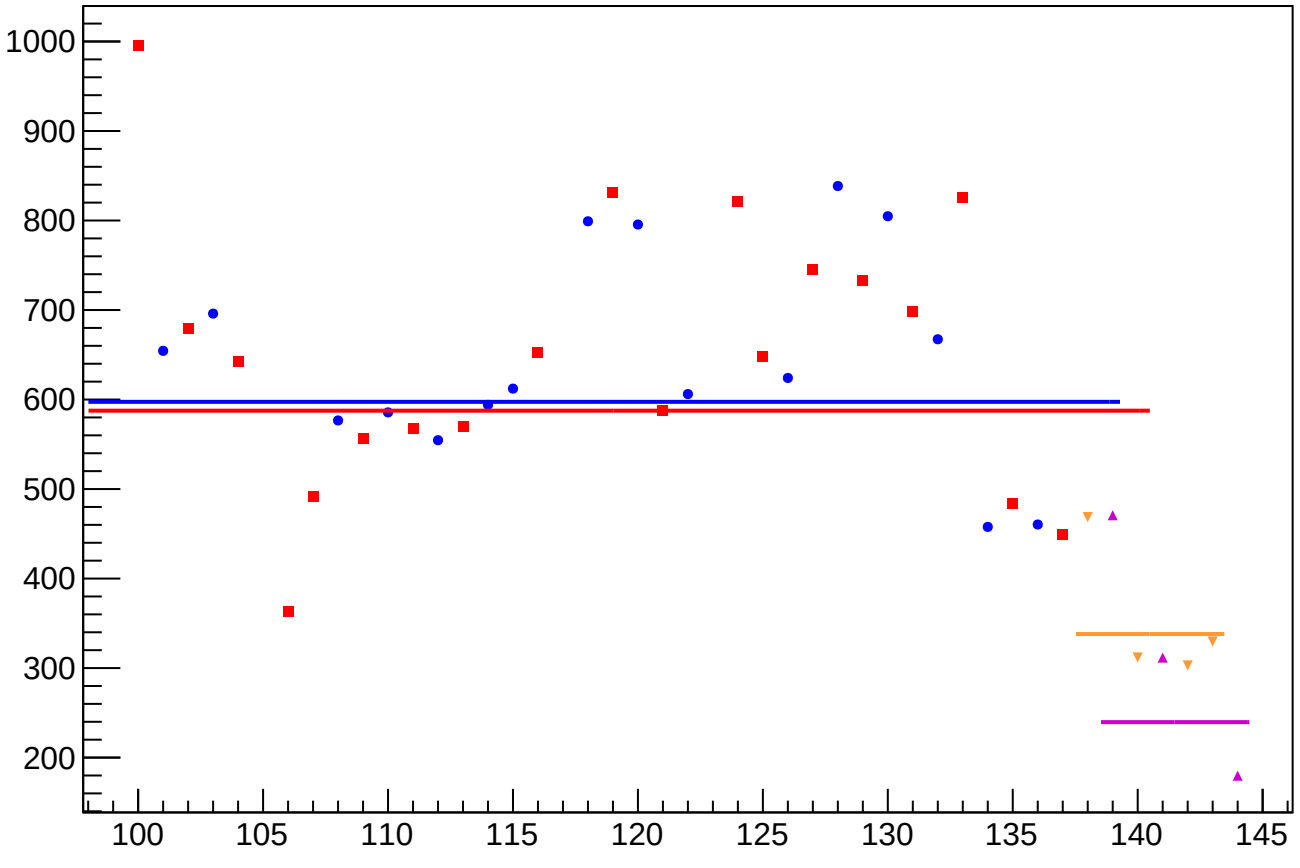
Left: 14.864+/-126.594 χ^2/NDF: 14.1/6

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 25.800+/-132.011 χ^2/NDF:26.9/18

Out: 114.310+/-149.436 χ^2/NDF:30.3/22

All: 64.596+/-98.936 χ^2/NDF: 57.3/41



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 338.056+/-0.143 χ^2/NDF:143303.8/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 239.611+/-0.115 χ^2/NDF:674798.1/2

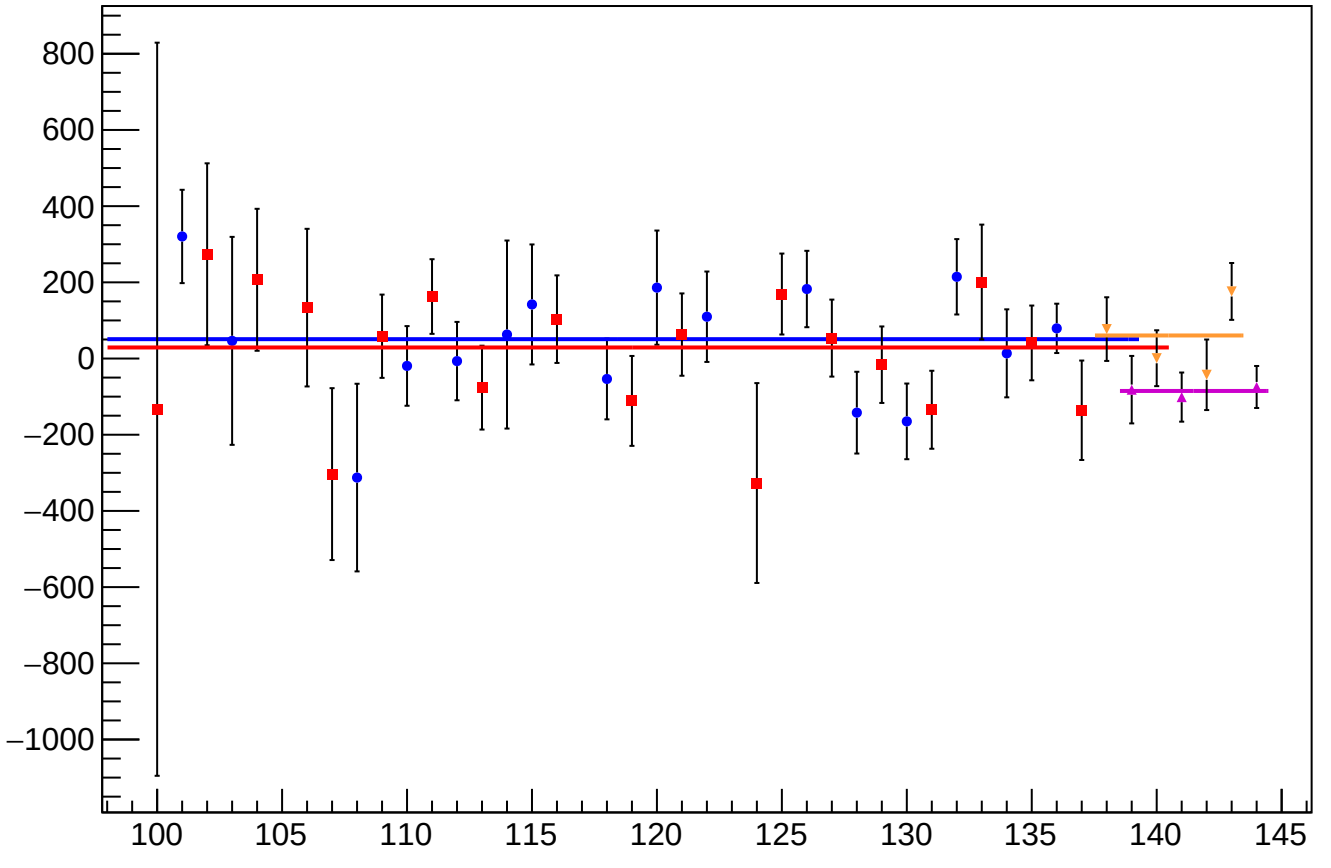
Left: 277.930+/-0.090 χ^2/NDF: 1105629.6/6

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 359.789+/-0.093 χ^2/NDF:4486321.0/18

Out: 452.236+/-0.106 χ^2/NDF:2216224.9/22

All: 400.311+/-0.070 χ^2/NDF: 7132470.8/41



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 60.543+/-39.986 χ^2/NDF:4.3/3

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -85.117+/-37.876 χ^2/NDF:0.1/2

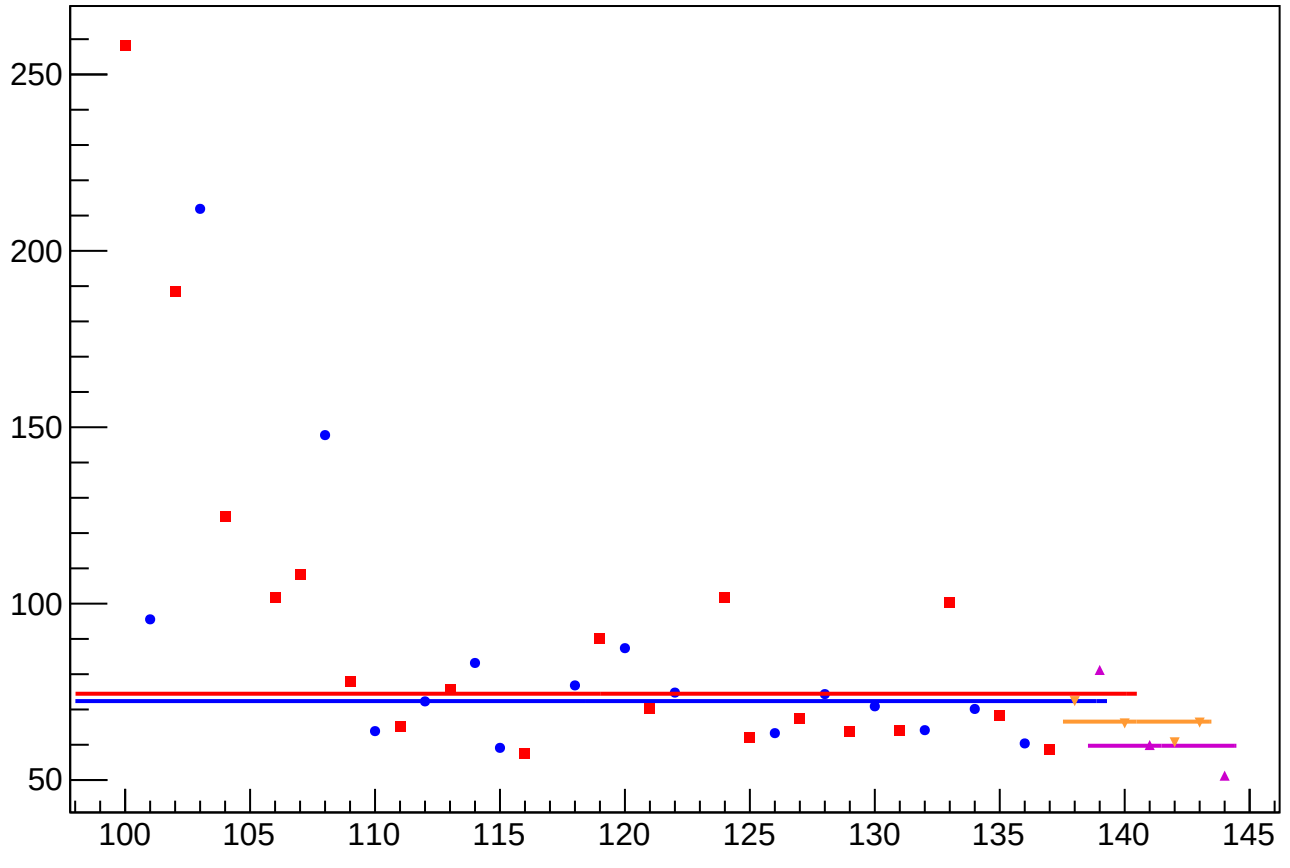
Left: -16.230+/-27.498 χ^2/NDF: 11.4/6

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: 2.096+/-22.679 χ^2/NDF:31.2/18

Out: 39.853+/-23.428 χ^2/NDF:23.3/22

All: 20.362+/-16.295 χ^2/NDF: 55.8/41



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 66.558+/-0.028 χ^2/NDF:17827.0/3

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.719+/-0.027 χ^2/NDF:165085.0/2

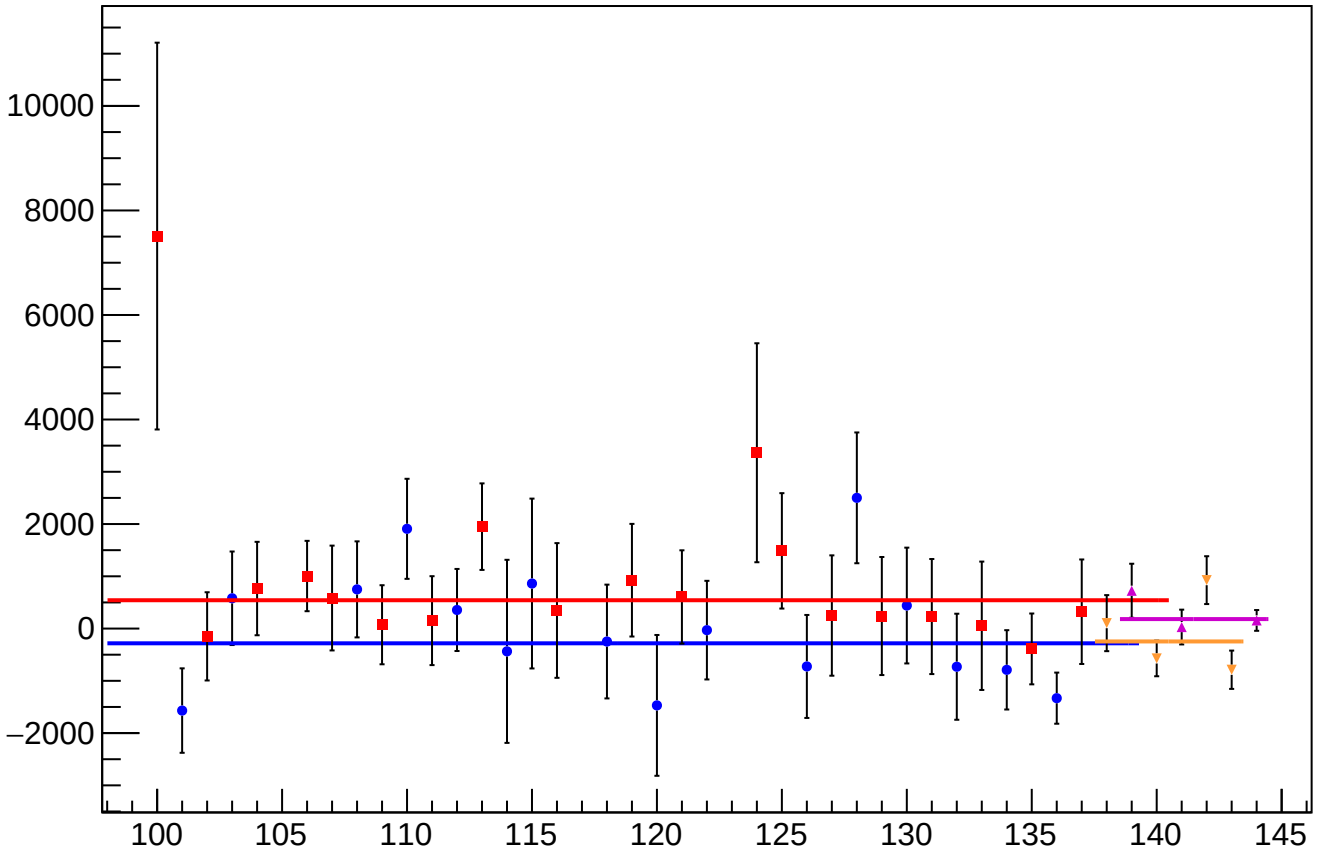
Left: 62.953+/-0.019 χ^2/NDF: 213746.8/6

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 67.839+/-0.016 χ^2/NDF:1246569.5/18

Out: 71.749+/-0.017 χ^2/NDF:1121460.2/22

All: 69.731+/-0.012 χ^2/NDF: 2396791.8/41



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.567+/-202.910 χ^2/NDF:10.1/3

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 181.473+/-161.986 χ^2/NDF:1.3/2

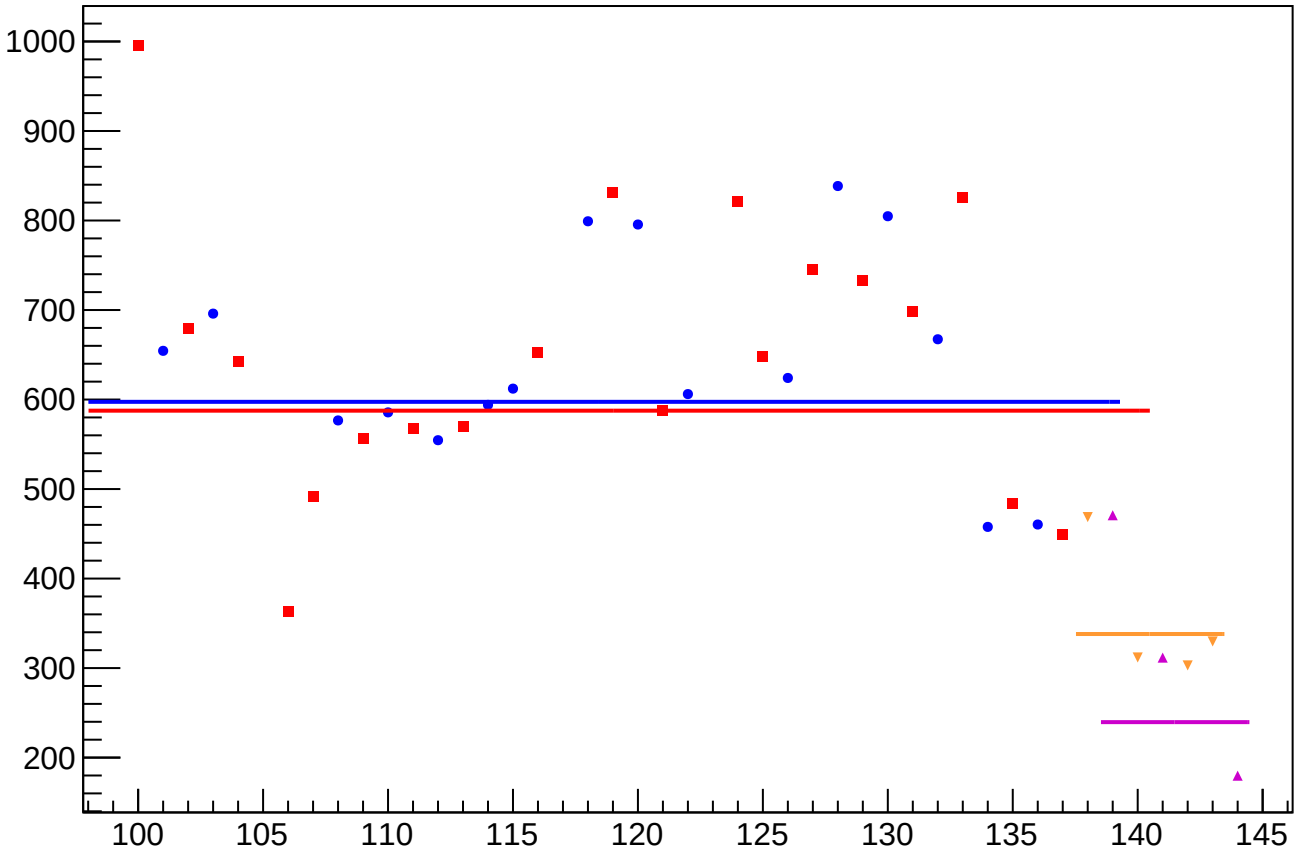
Left: 14.862+/-126.594 χ^2/NDF: 14.1/6

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 25.800+/-132.011 χ^2/NDF:26.9/18

Out: 114.309+/-149.436 χ^2/NDF:30.3/22

All: 64.596+/-98.936 χ^2/NDF: 57.3/41



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 338.056+/-0.143 χ^2/NDF:143306.0/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 239.611+/-0.115 χ^2/NDF:674796.3/2

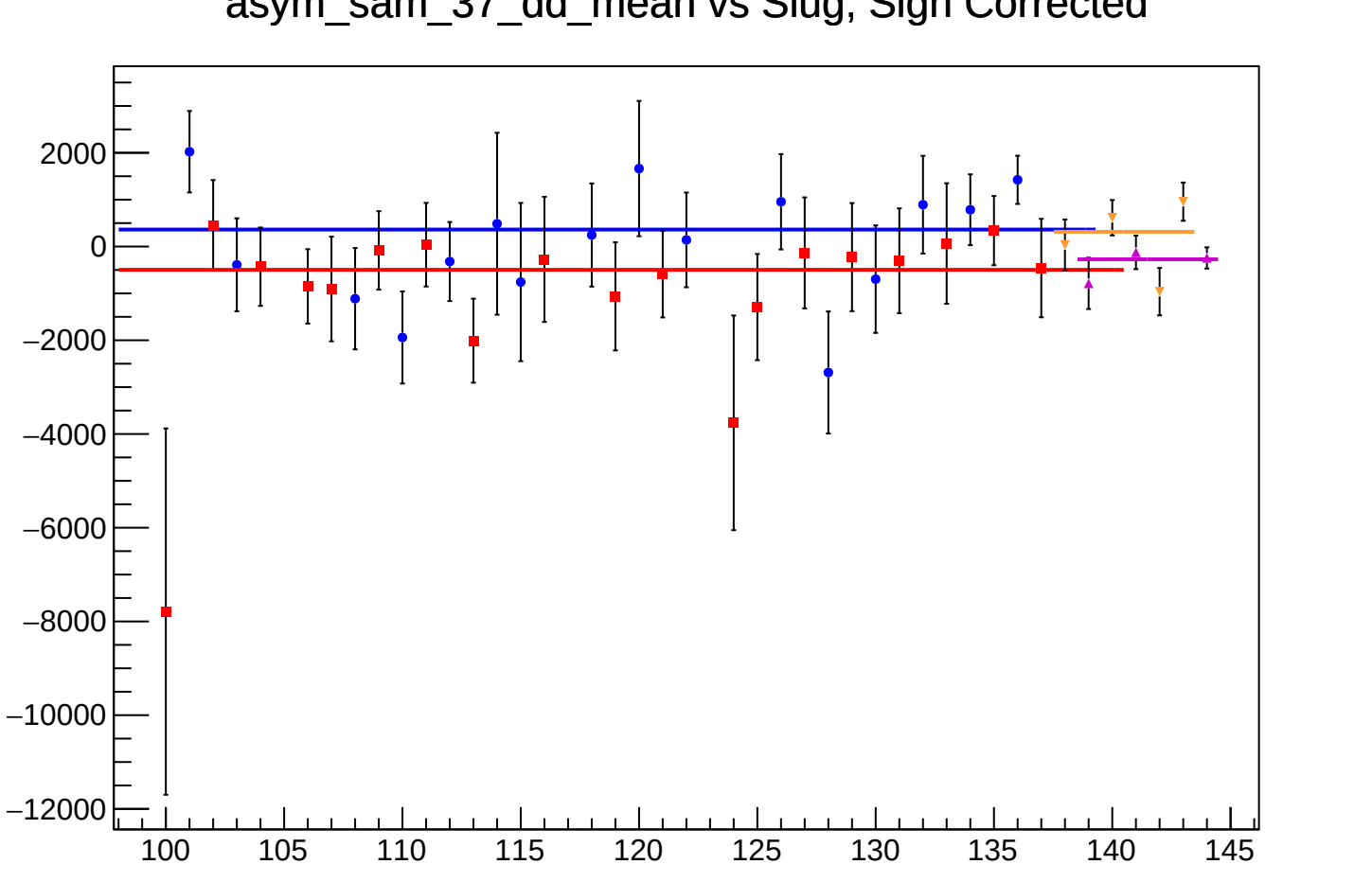
Left: 277.930+/-0.090 χ^2/NDF: 1105626.5/6

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 359.789+/-0.093 χ^2/NDF:4486312.7/18

Out: 452.236+/-0.106 χ^2/NDF:2216226.2/22

All: 400.311+/-0.070 χ^2/NDF: 7132457.1/41



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.455+/-221.864 χ^2/NDF:9.8/3

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -271.575+/-180.306 χ^2/NDF:1.1/2

Left: -38.080+/-139.925 χ^2/NDF: 15.1/6

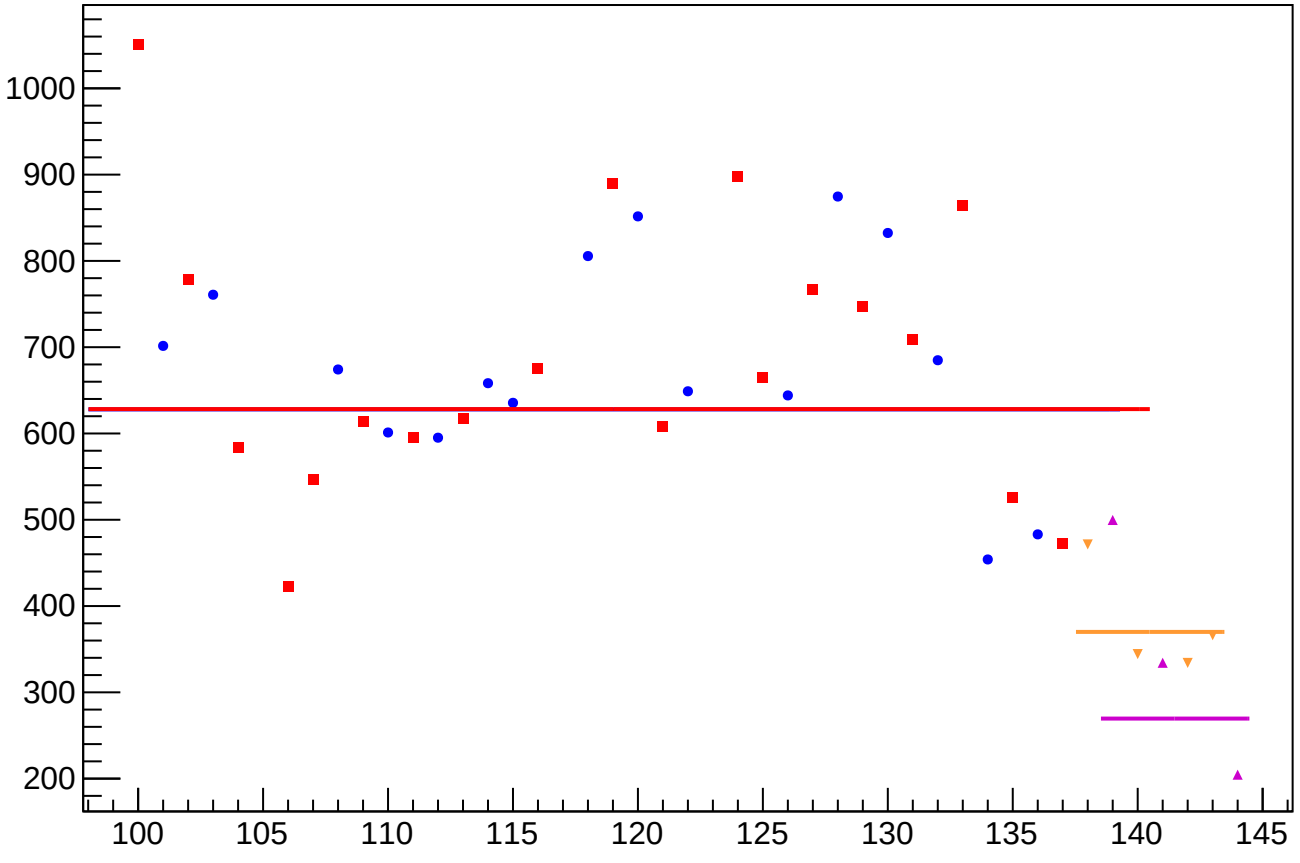
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -43.222+/-144.222 χ^2/NDF:30.6/18

Out: -65.495+/-161.657 χ^2/NDF:28.8/22

All: -53.093+/-107.619 χ^2/NDF: 59.3/41

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 370.032+/-0.157 χ^2/NDF:89257.4/3

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 269.584+/-0.127 χ^2/NDF:585007.6/2

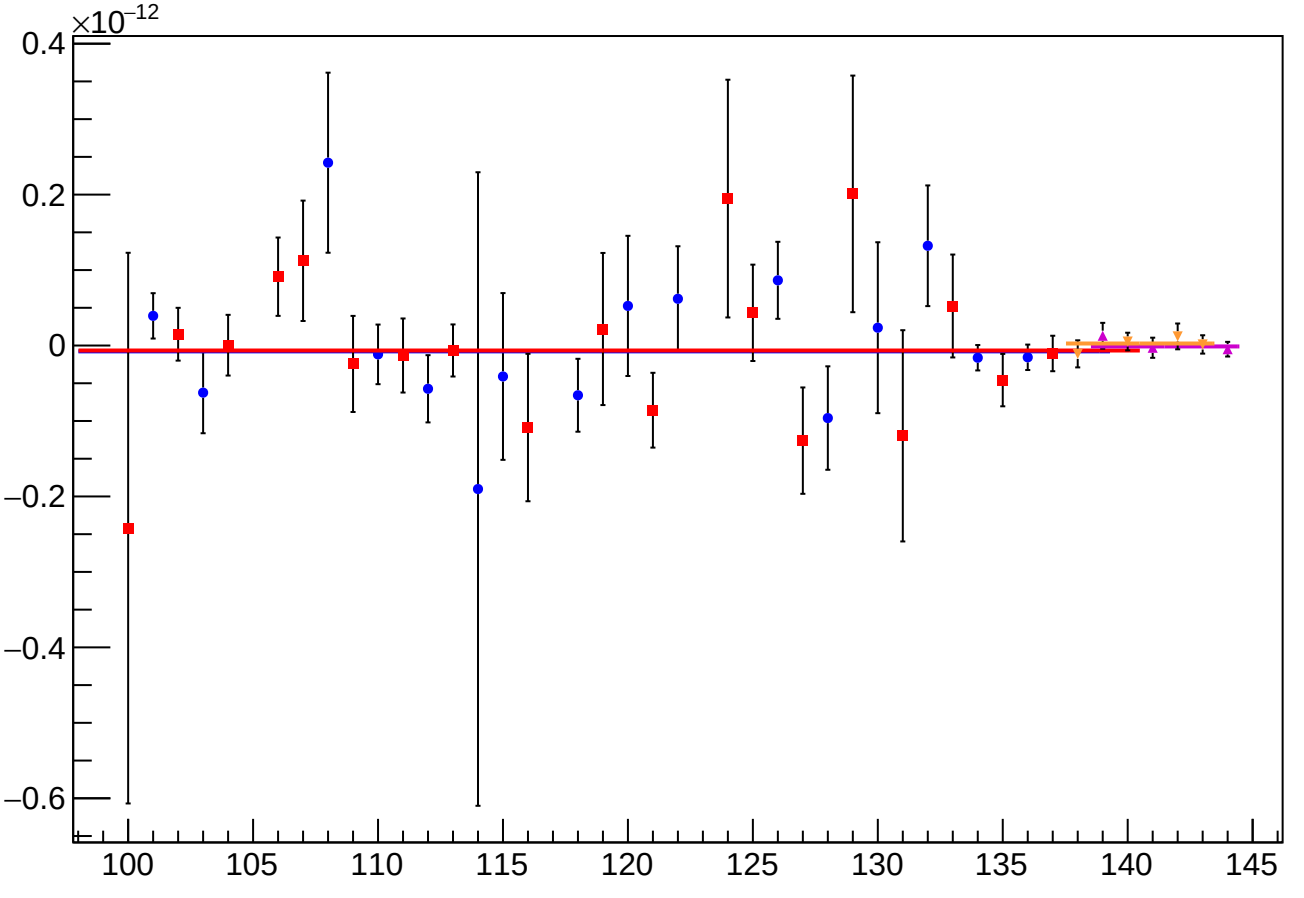
Left: 309.538+/-0.099 χ^2/NDF: 921161.7/6

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 398.649+/-0.102 χ^2/NDF:3996773.0/18

Out: 491.161+/-0.114 χ^2/NDF:1931067.0/22

All: 439.649+/-0.076 χ^2/NDF: 6292553.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/2

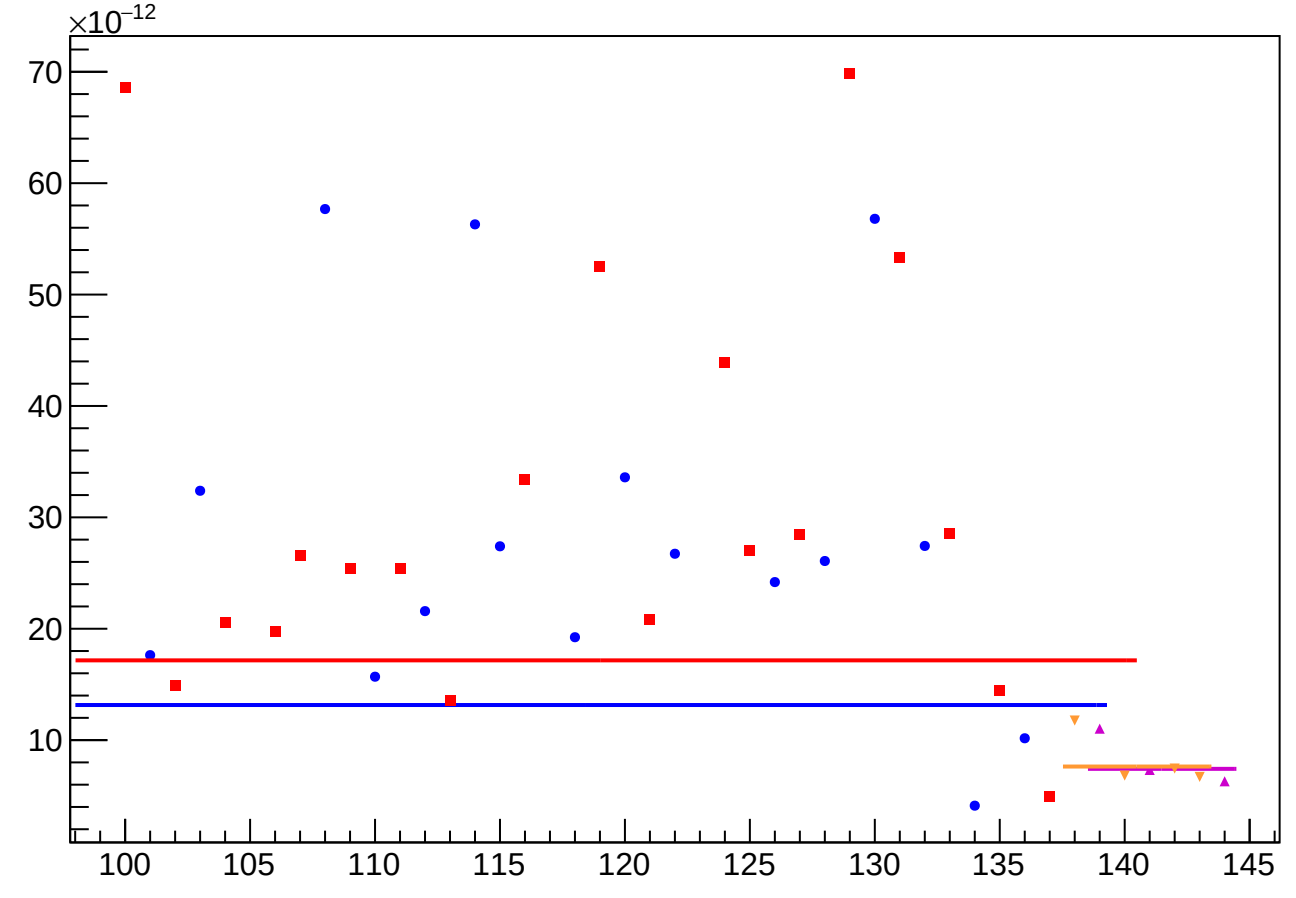
Left: 0.000+/-0.000 χ^2/NDF: 1.9/6

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:22.1/18

Out: 0.000+/-0.000 χ^2/NDF:21.4/22

All: -0.000+/-0.000 χ^2/NDF: 43.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:127506.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:115696.8/2

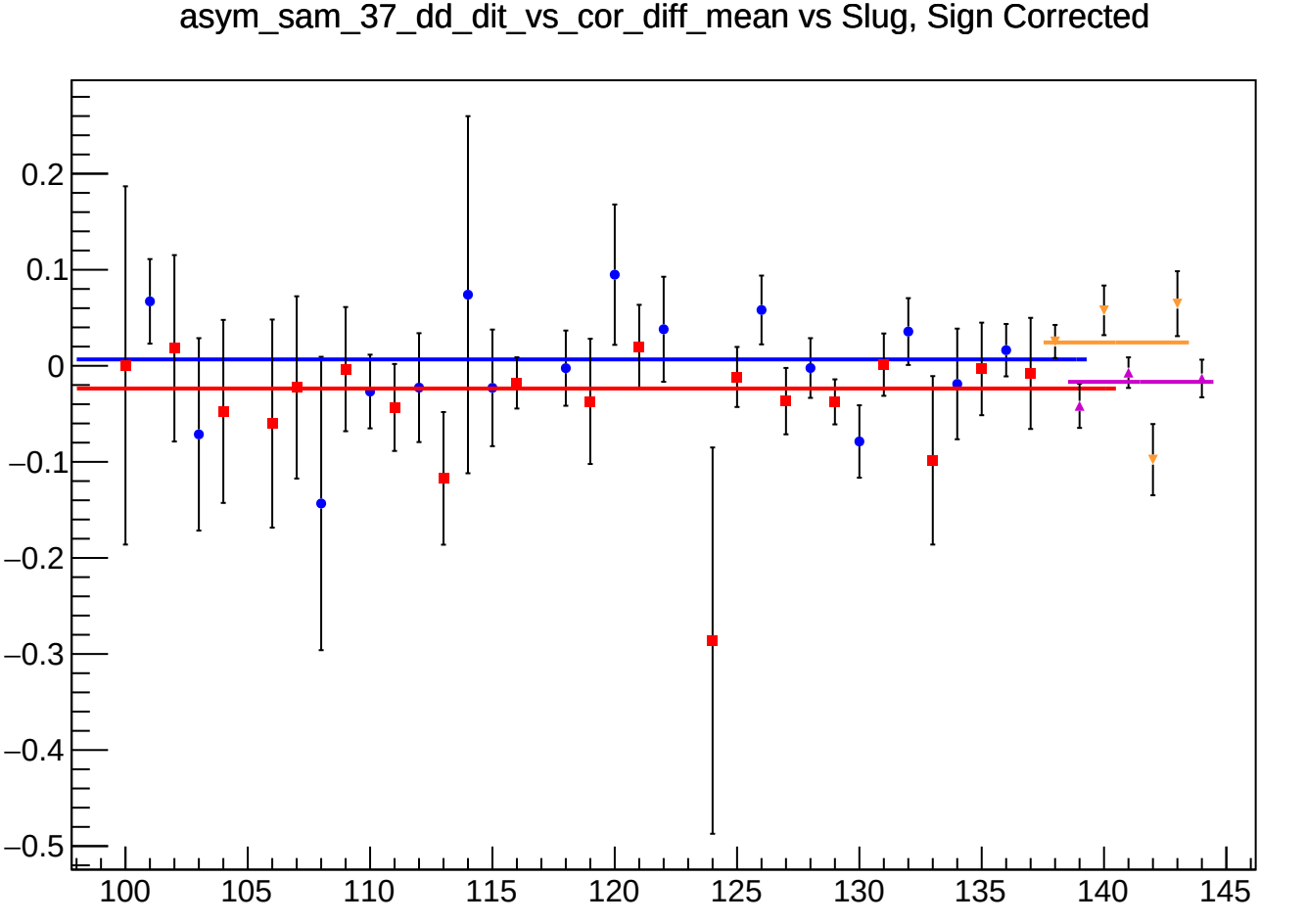
Left: 0.000+/-0.000 χ^2/NDF: 244069.8/6

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:2672015.2/18

Out: 0.000+/-0.000 χ^2/NDF:2773858.2/22

All: 0.000+/-0.000 χ^2/NDF: 5458456.4/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.017+/-0.011 χ^2/NDF:1.6/2

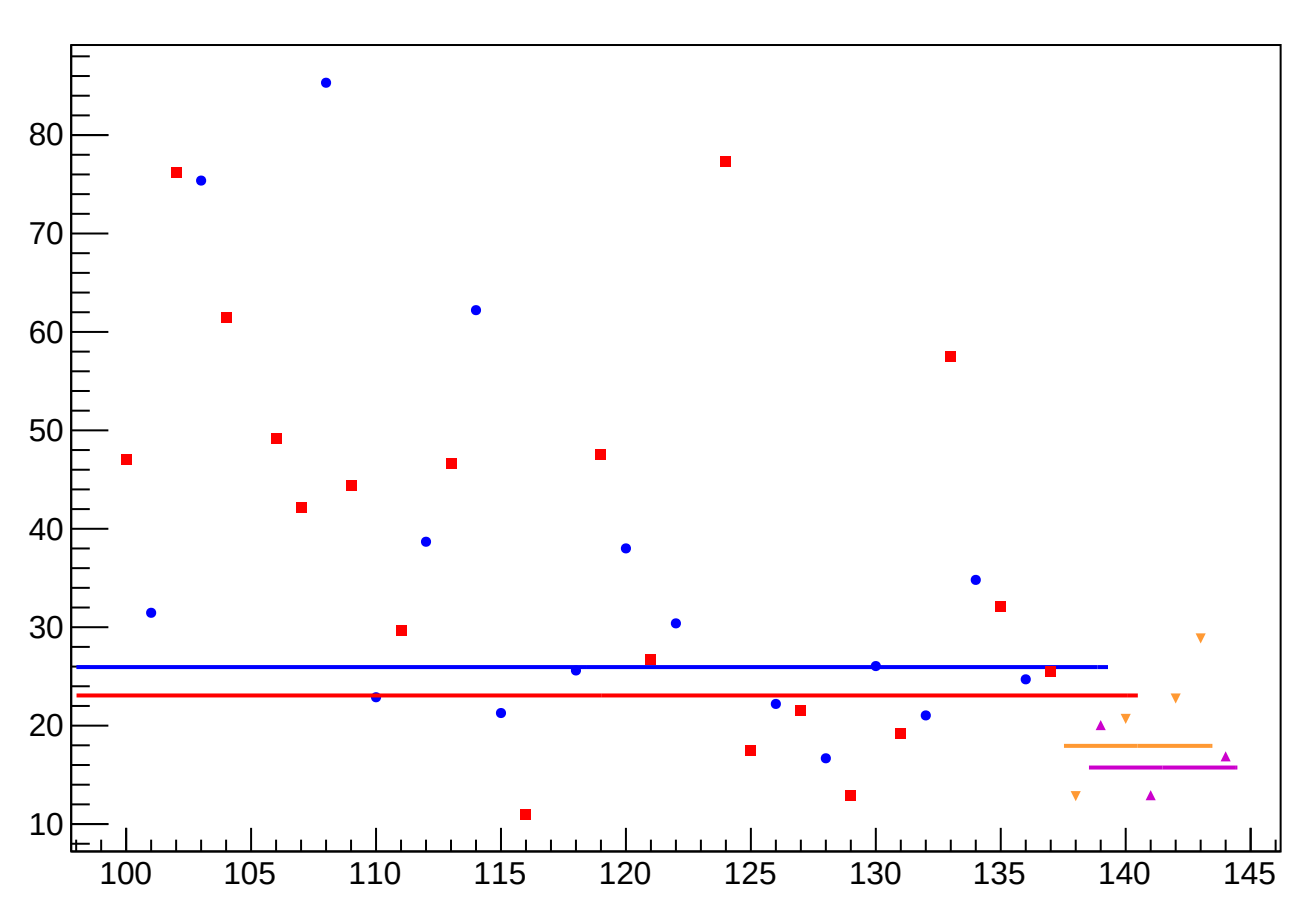
Left: 0.001+/-0.008 χ^2/NDF: 21.7/6

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.008 χ^2/NDF:18.8/18

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 49.0/41



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.945+/-0.009 χ^2/NDF:440433.4/3

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.744+/-0.008 χ^2/NDF:139502.8/2

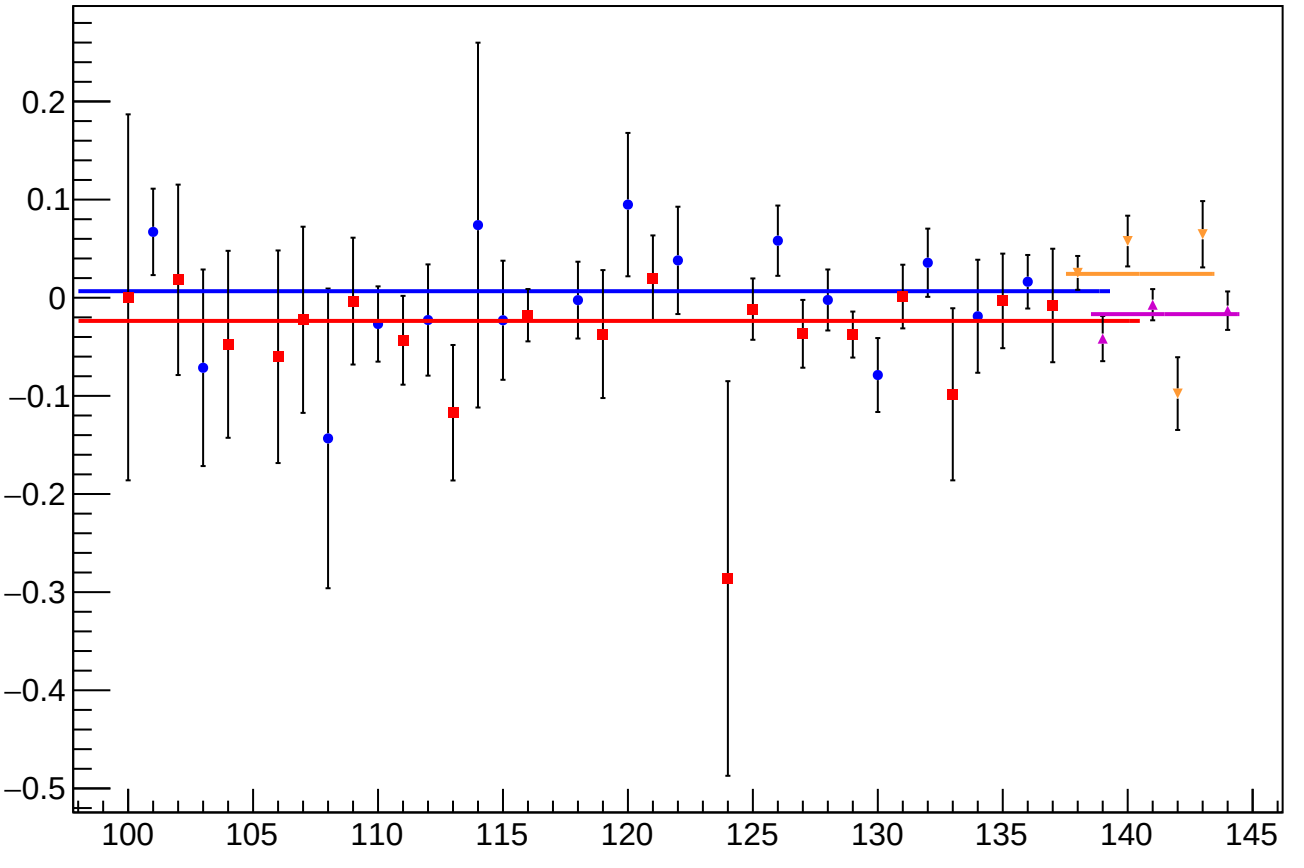
Left: 16.698+/-0.006 χ^2/NDF: 615420.6/6

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.744+/-0.005 χ^2/NDF:2383410.9/18

Out: 20.935+/-0.006 χ^2/NDF:3999083.6/22

All: 20.837+/-0.004 χ^2/NDF: 6383075.4/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.017+/-0.011 χ^2/NDF:1.6/2

Left: 0.001+/-0.008 χ^2/NDF: 21.7/6

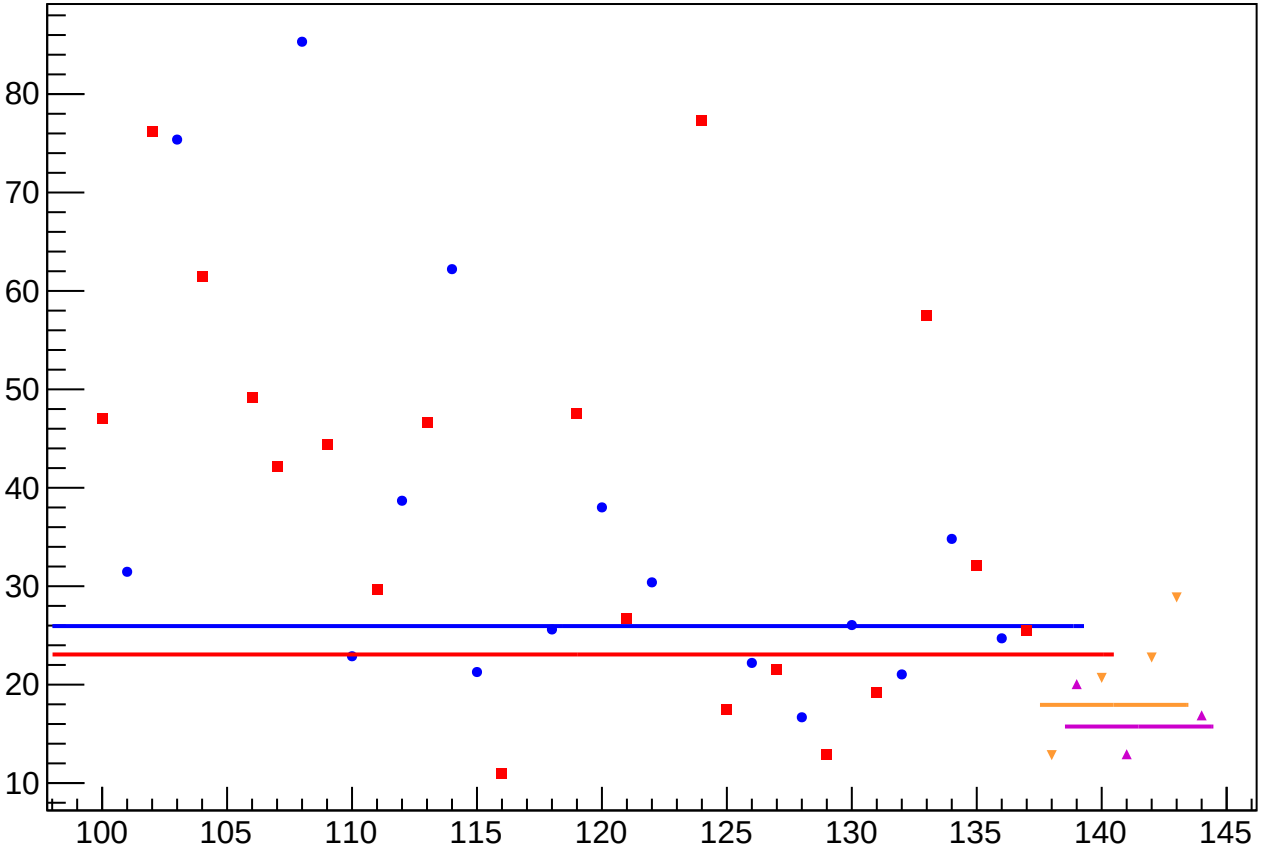
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.008 χ^2/NDF:18.8/18

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 49.0/41

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.945+/-0.009 χ^2/NDF:440433.4/3

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.744+/-0.008 χ^2/NDF:139502.8/2

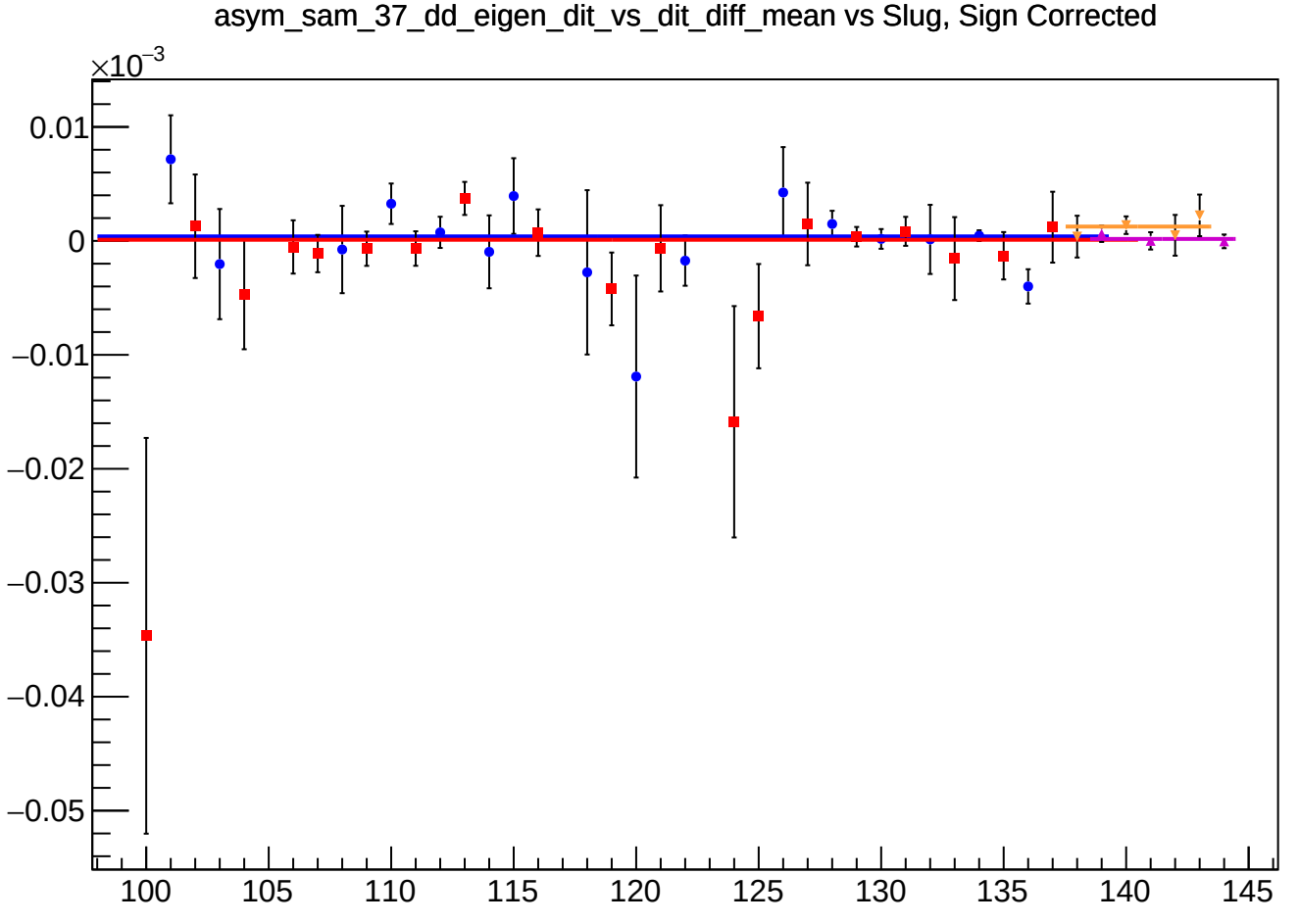
Left: 16.698+/-0.006 χ^2/NDF: 615420.6/6

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.744+/-0.005 χ^2/NDF:2383410.9/18

Out: 20.935+/-0.006 χ^2/NDF:3999083.6/22

All: 20.837+/-0.004 χ^2/NDF: 6383075.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

Left: 0.000+/-0.000 χ^2/NDF: 3.5/6

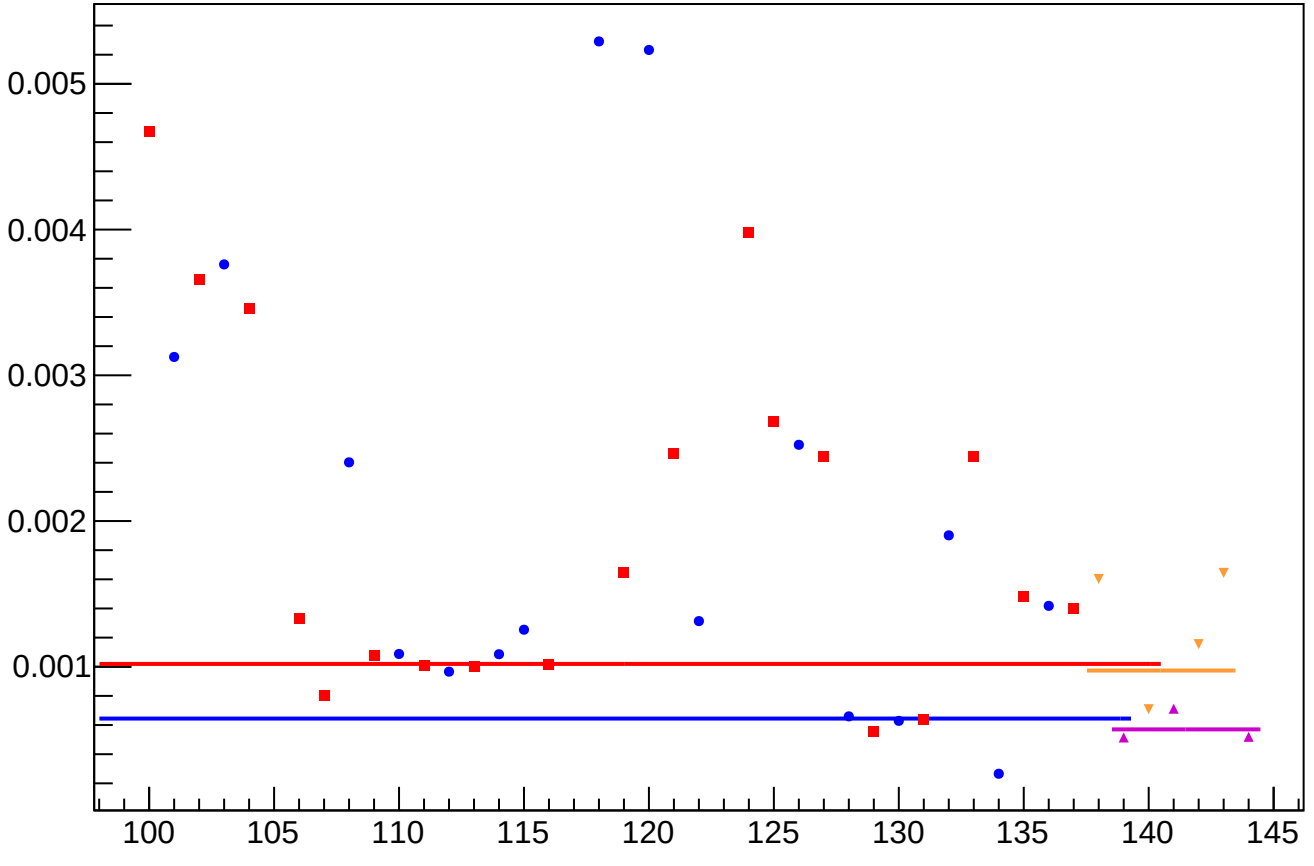
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/18

Out: 0.000+/-0.000 χ^2/NDF:23.4/22

All: 0.000+/-0.000 χ^2/NDF: 45.2/41

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: 0.001+/-0.000 χ^2/NDF:760451.5/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:96082.9/2

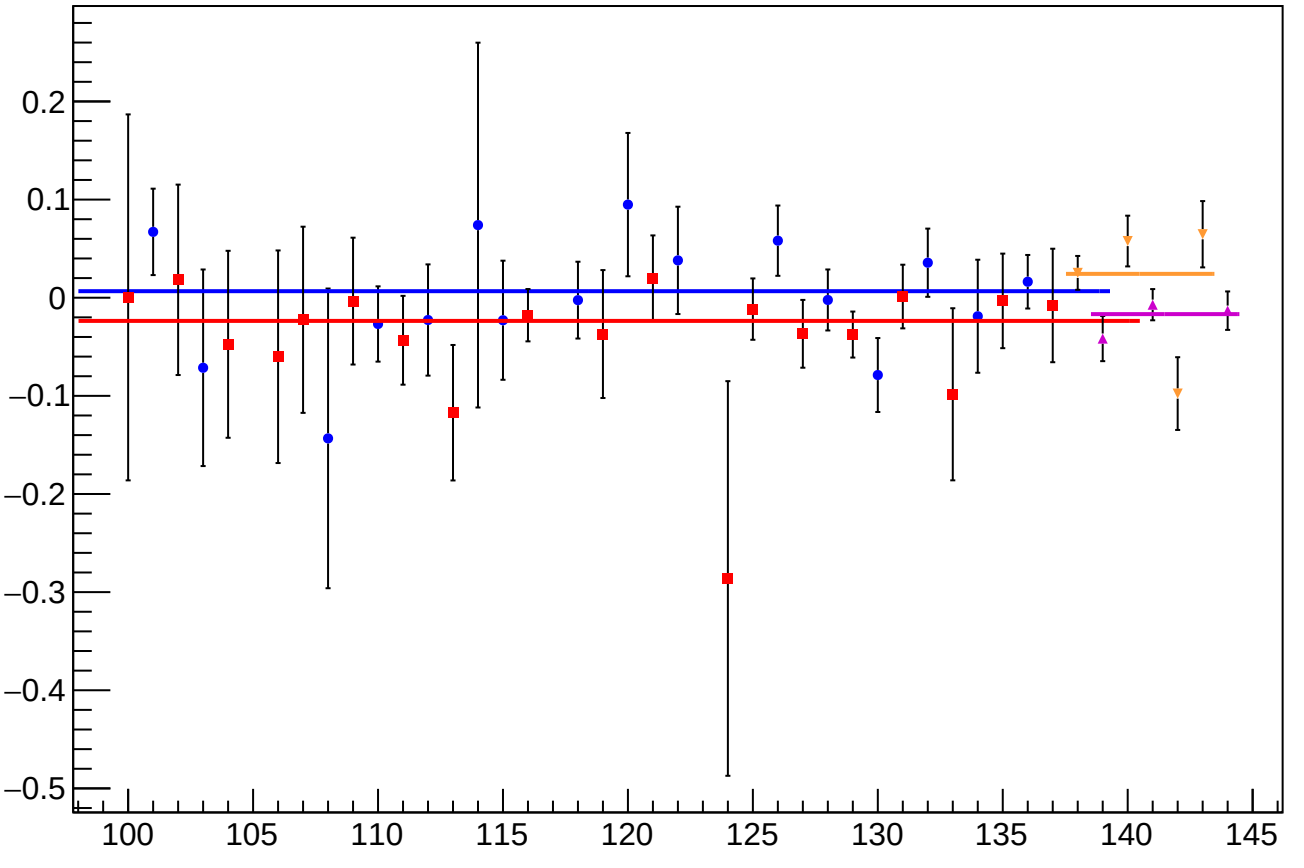
Left: 0.001+/-0.000 χ^2/NDF: 1457742.0/6

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6712455.7/18

Out: 0.001+/-0.000 χ^2/NDF:4429897.0/22

All: 0.001+/-0.000 χ^2/NDF: 12676679.5/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.017+/-0.011 χ^2/NDF:1.6/2

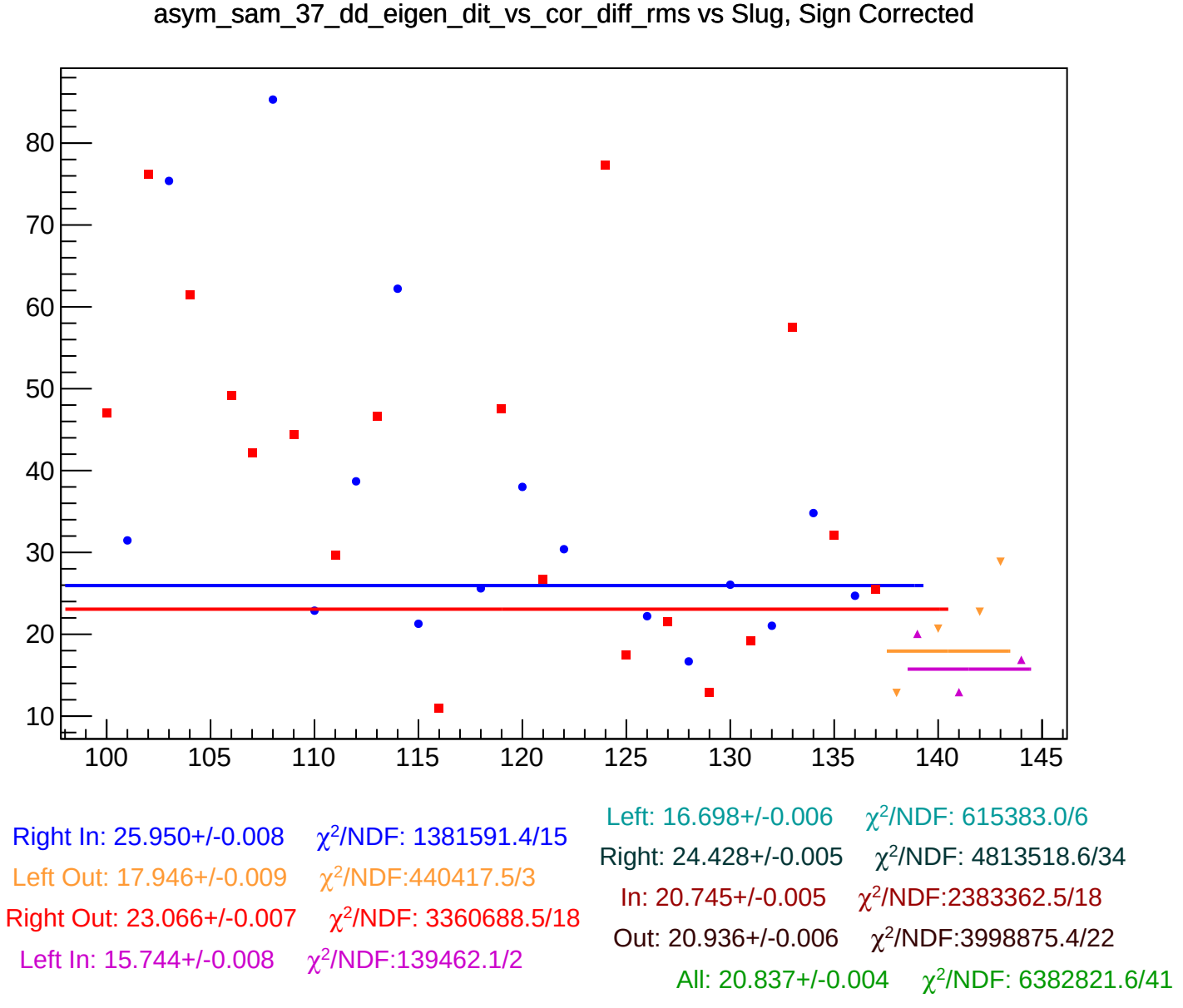
Left: 0.001+/-0.008 χ^2/NDF: 21.7/6

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.008 χ^2/NDF:18.8/18

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 49.0/41


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
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105
110
115
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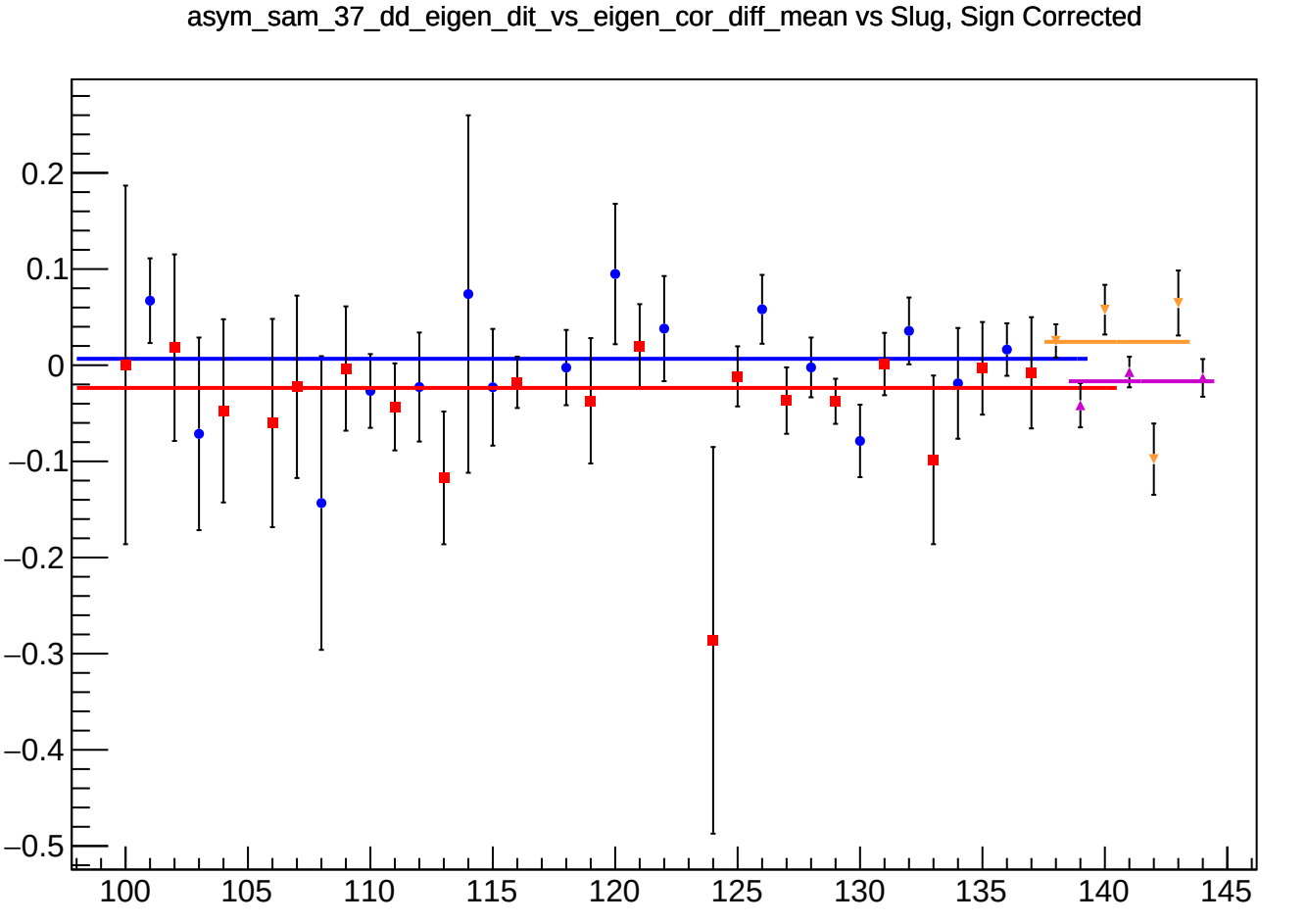
125
130
135
140
145
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 17.946+/-0.009 χ²/NDF:440417.5/3
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 15.744+/-0.008 χ²/NDF:139462.1/2
Left: 16.698+/-0.006 χ²/NDF: 615383.0/6
Right: 24.428+/-0.005 χ²/NDF: 4813518.6/34
In: 20.745+/-0.005 χ²/NDF:2383362.5/18
Out: 20.936+/-0.006 χ²/NDF:3998875.4/22
All: 20.837+/-0.004 χ²/NDF: 6382821.6/41



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.017+/-0.011 χ^2/NDF:1.6/2

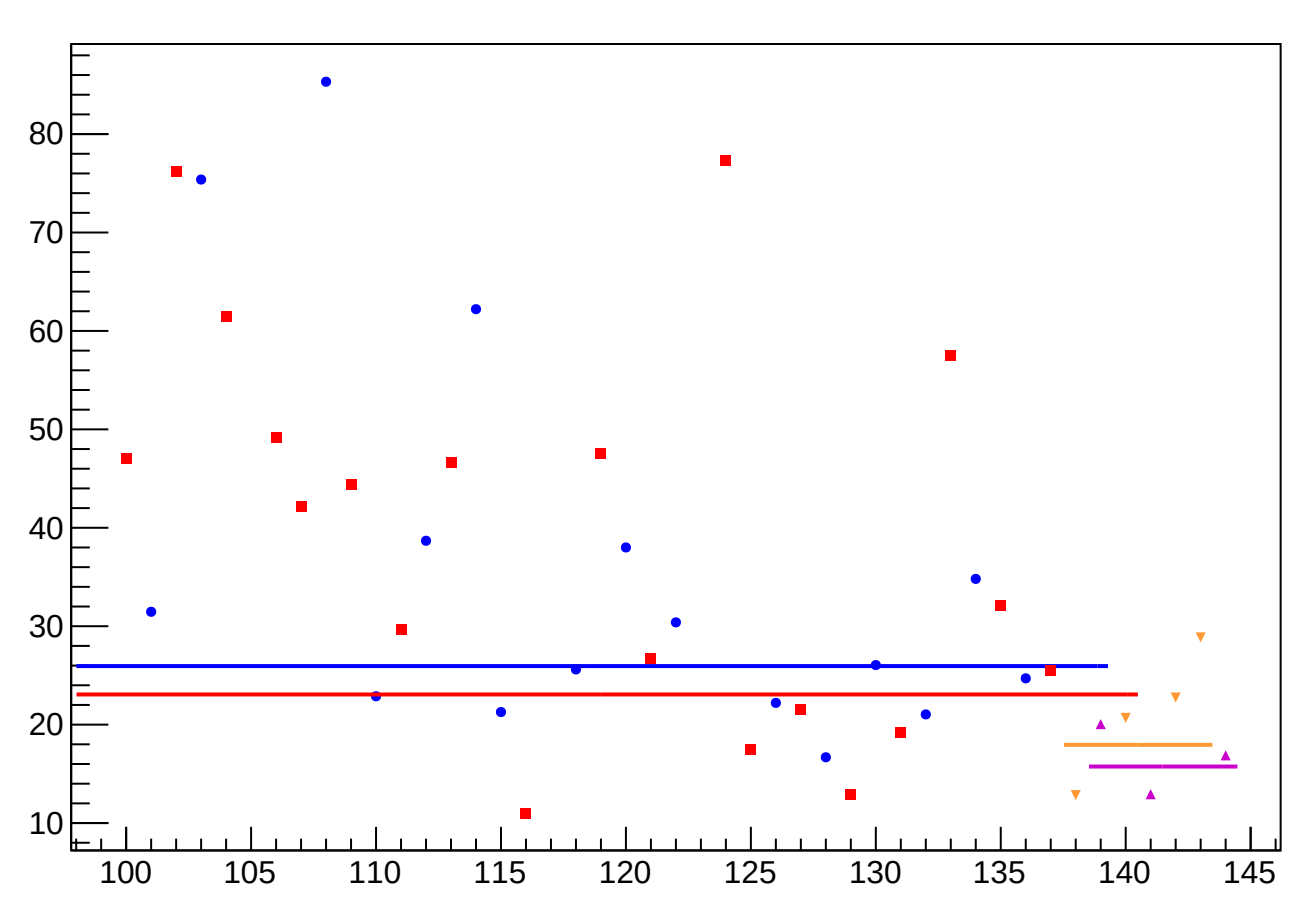
Left: 0.001+/-0.008 χ^2/NDF: 21.7/6

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.008 χ^2/NDF:18.8/18

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 49.0/41



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.946+/-0.009 χ^2/NDF:440417.5/3

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.744+/-0.008 χ^2/NDF:139462.1/2

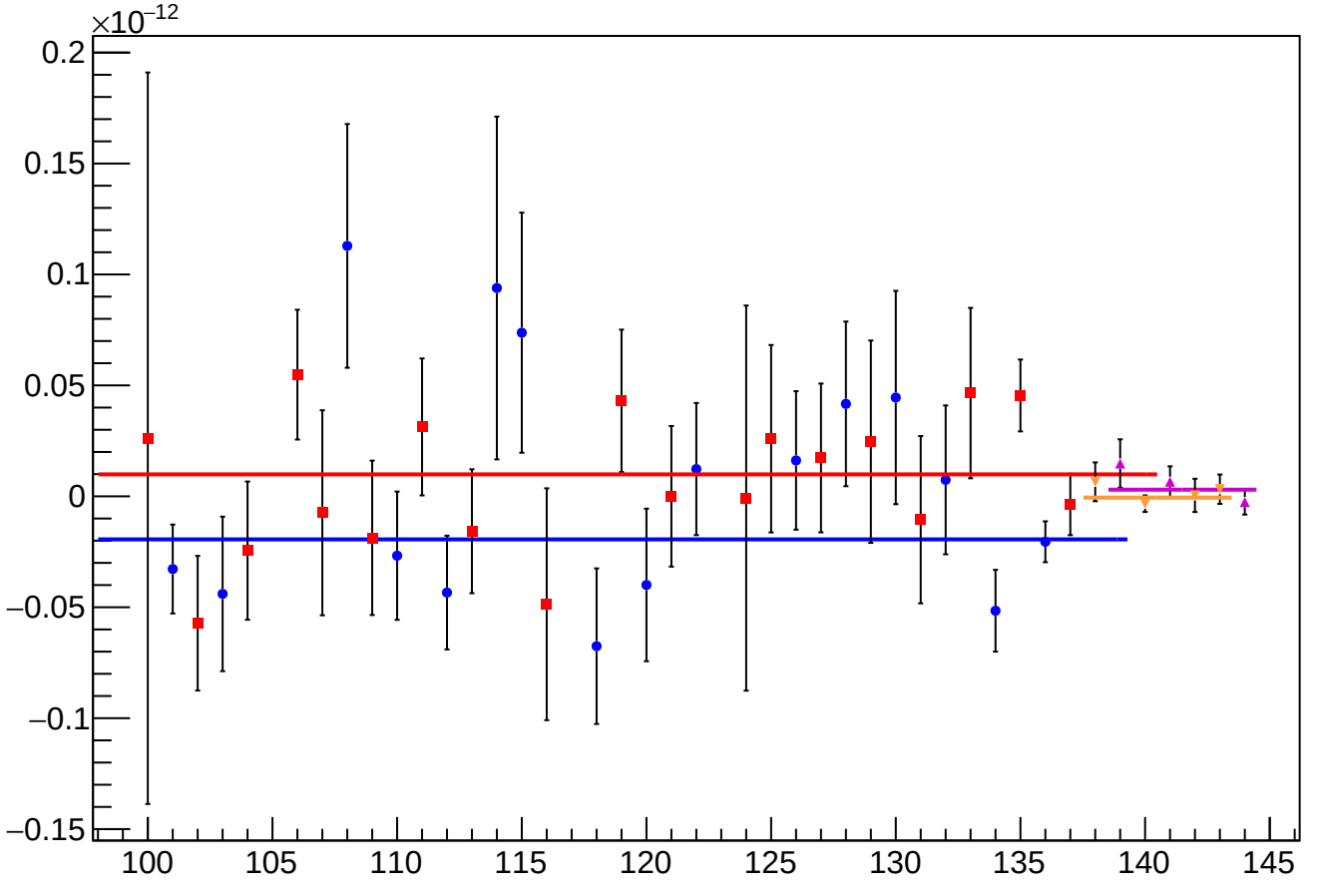
Left: 16.698+/-0.006 χ^2/NDF: 615383.0/6

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.745+/-0.005 χ^2/NDF:2383362.5/18

Out: 20.936+/-0.006 χ^2/NDF:3998875.4/22

All: 20.837+/-0.004 χ^2/NDF: 6382821.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

Left: 0.000+/-0.000 χ^2/NDF: 4.5/6

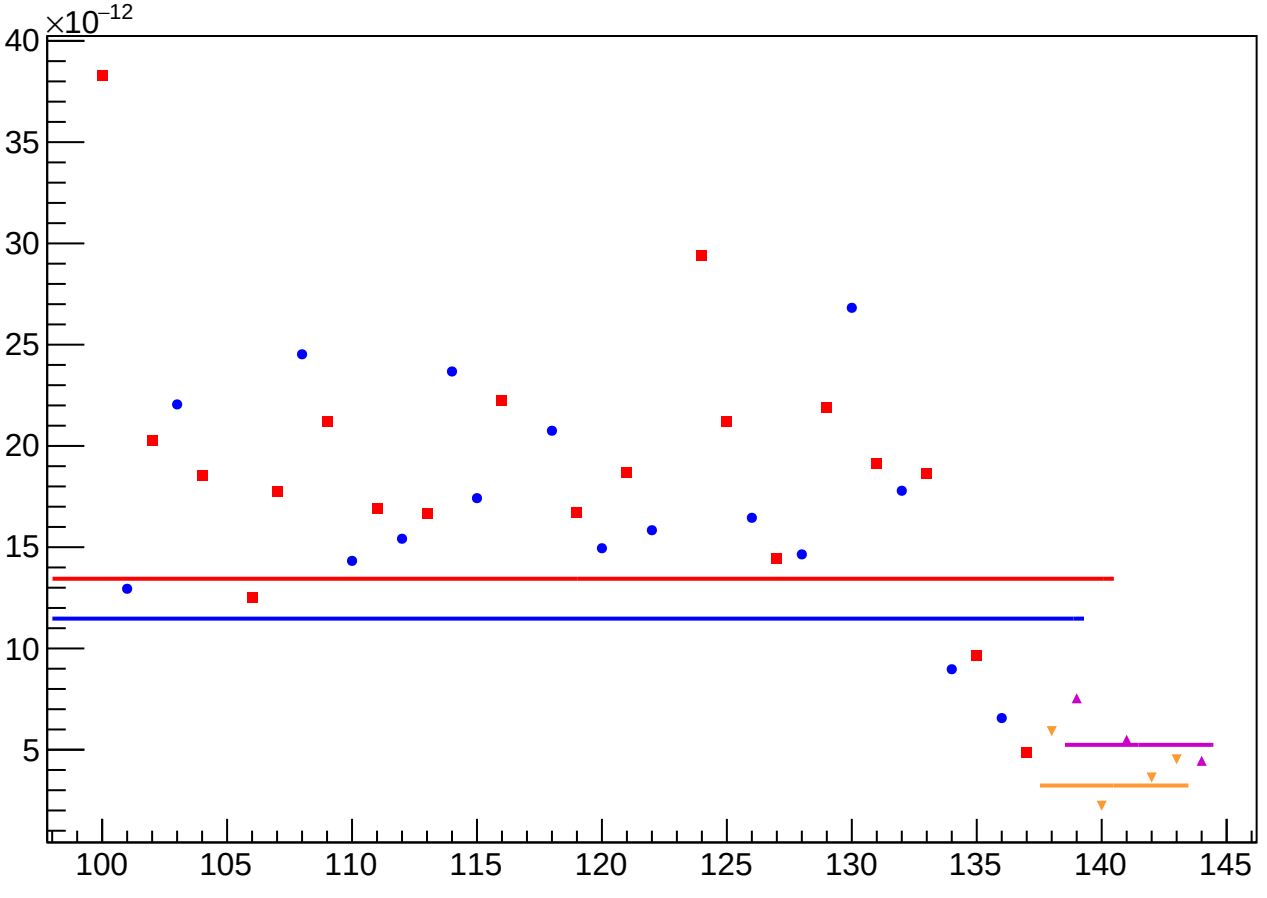
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:37.6/18

Out: 0.000+/-0.000 χ^2/NDF:23.9/22

All: -0.000+/-0.000 χ^2/NDF: 62.8/41

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:413779.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:130368.9/2

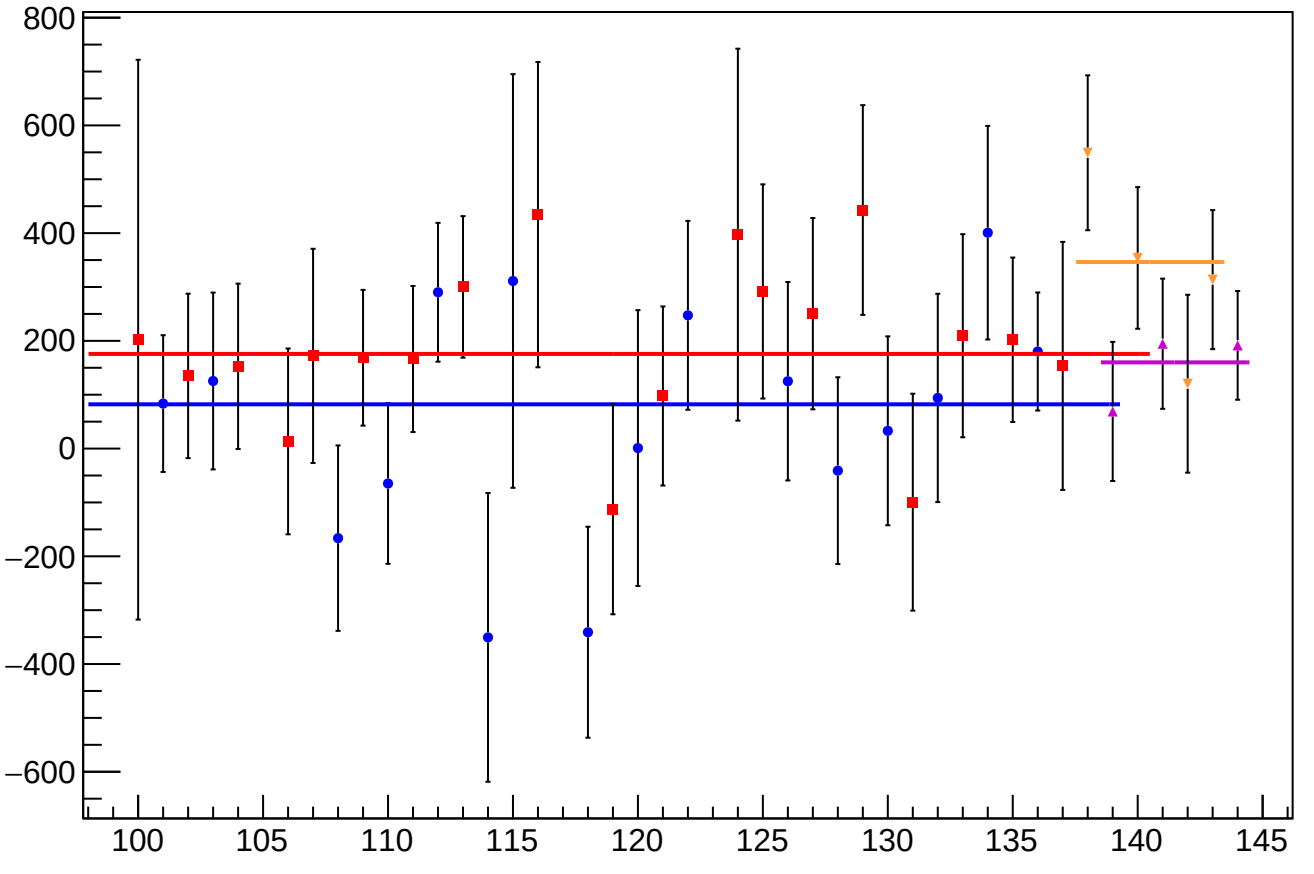
Left: 0.000+/-0.000 χ^2/NDF: 874609.9/6

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3199591.9/18

Out: 0.000+/-0.000 χ^2/NDF:5954726.2/22

All: 0.000+/-0.000 χ^2/NDF: 9812048.9/41



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.363+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 160.087+/-66.433 χ^2/NDF:0.7/2

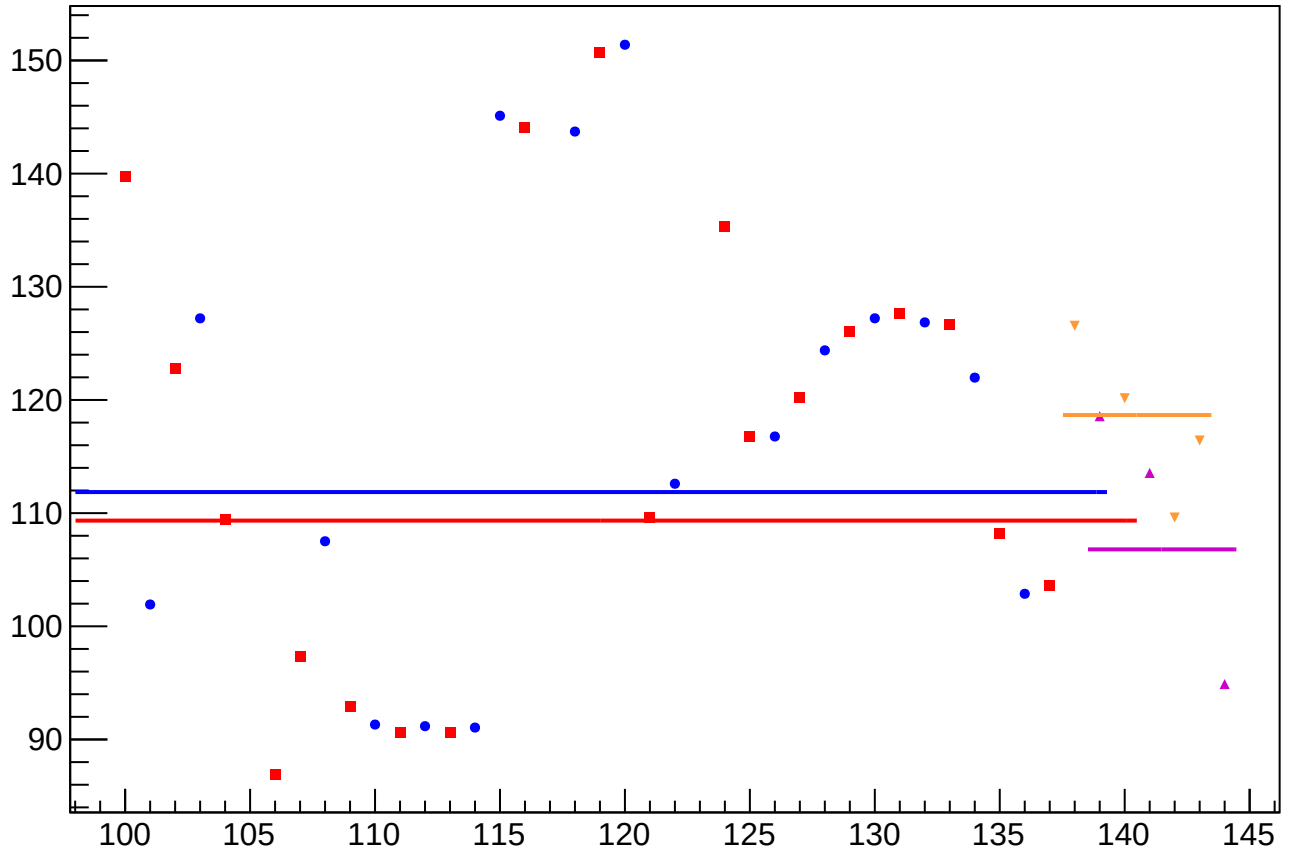
Left: 248.093+/-48.252 χ^2/NDF: 8.3/6

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 104.540+/-35.580 χ^2/NDF:20.0/18

Out: 218.615+/-35.193 χ^2/NDF:18.2/22

All: 162.203+/-25.021 χ^2/NDF: 43.4/41



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

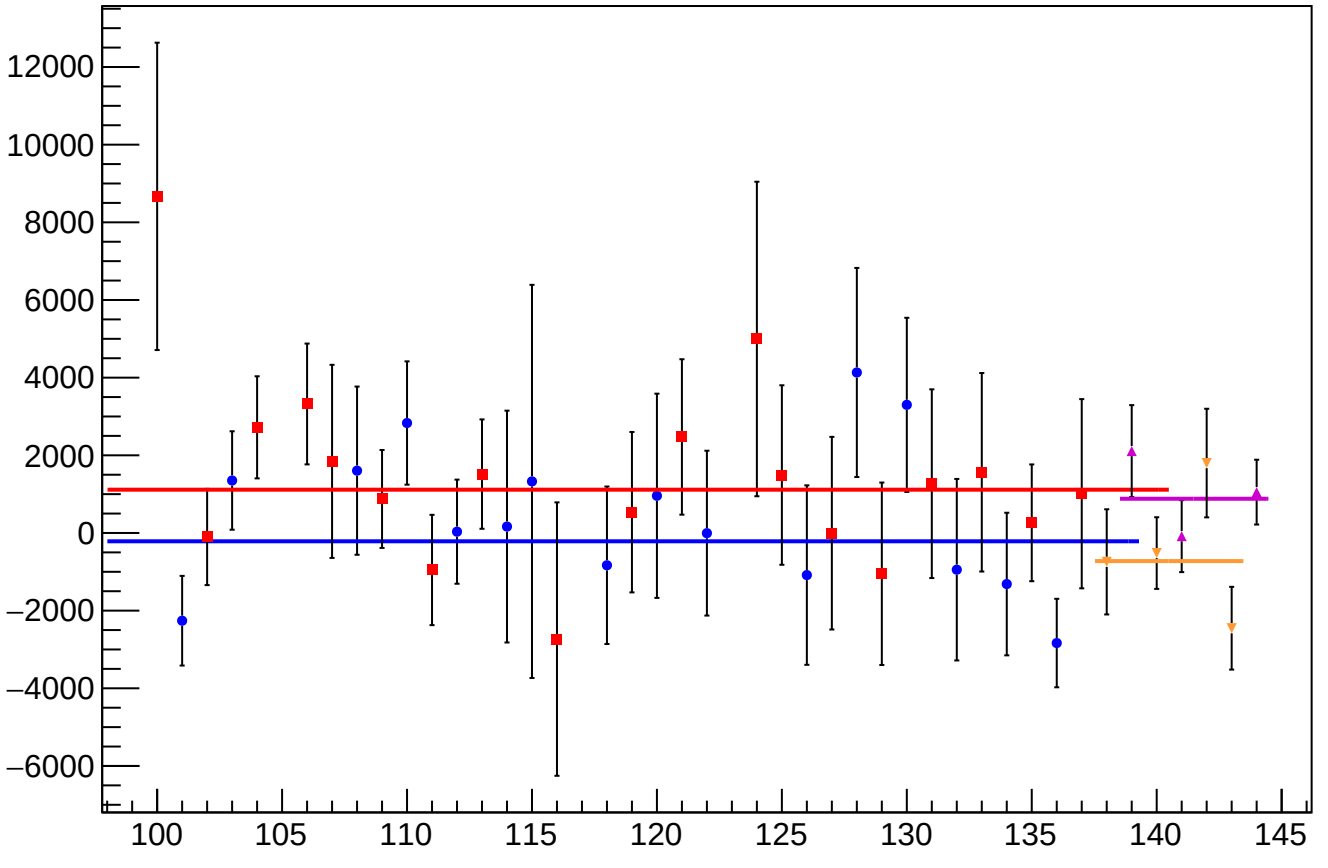
Left: 112.405+/-0.034 χ^2/NDF: 93718.0/6

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 110.409+/-0.025 χ^2/NDF:364970.5/18

Out: 111.684+/-0.025 χ^2/NDF:406547.8/22

All: 111.054+/-0.018 χ^2/NDF: 772816.9/41



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -723.968+/-566.922 χ^2/NDF:5.9/3

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 881.094+/-549.253 χ^2/NDF:2.2/2

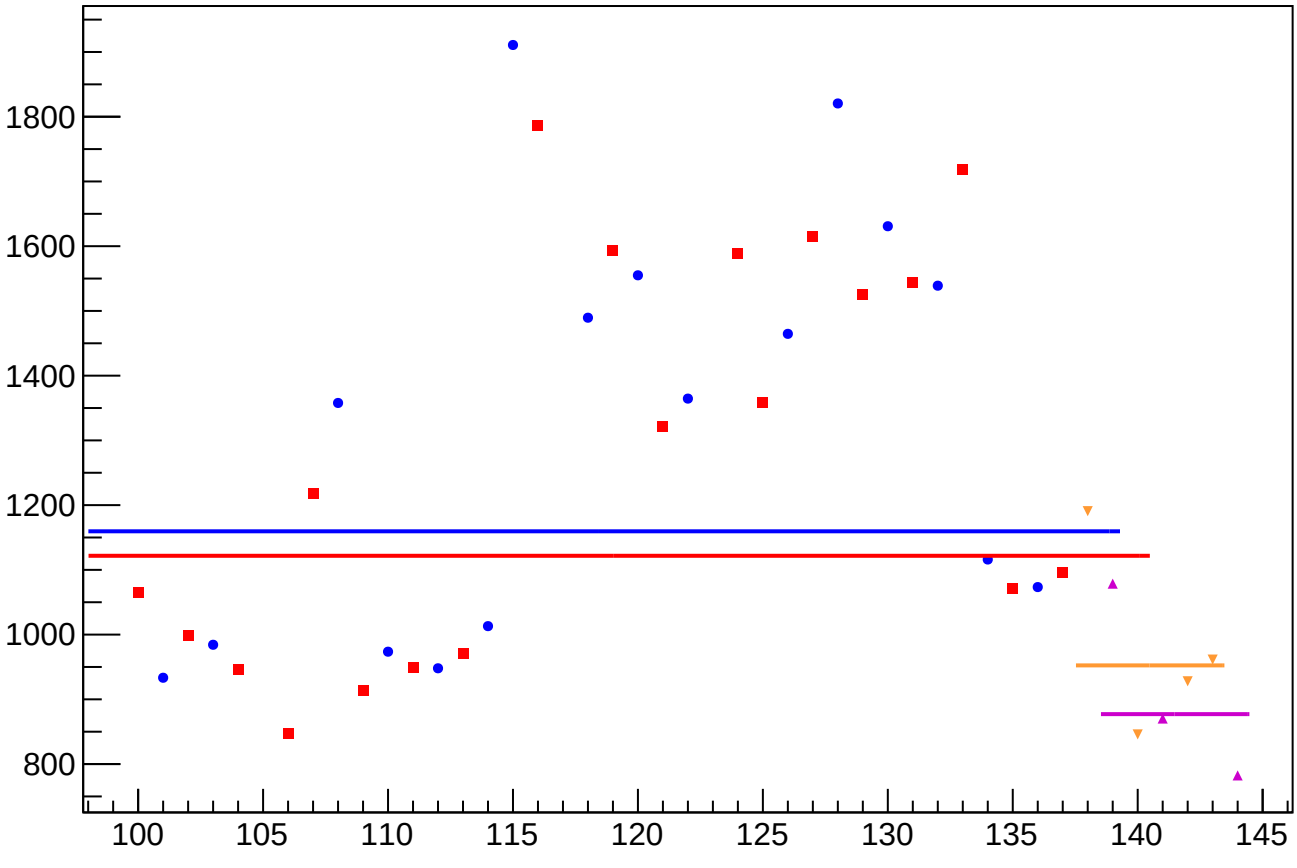
Left: 103.965+/-394.479 χ^2/NDF: 12.3/6

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 218.633+/-345.273 χ^2/NDF:25.0/18

Out: 457.073+/-339.048 χ^2/NDF:27.2/22

All: 340.022+/-241.914 χ^2/NDF: 52.5/41



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 952.432+/-0.401 χ^2/NDF:89339.2/3

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 877.147+/-0.388 χ^2/NDF:83835.0/2

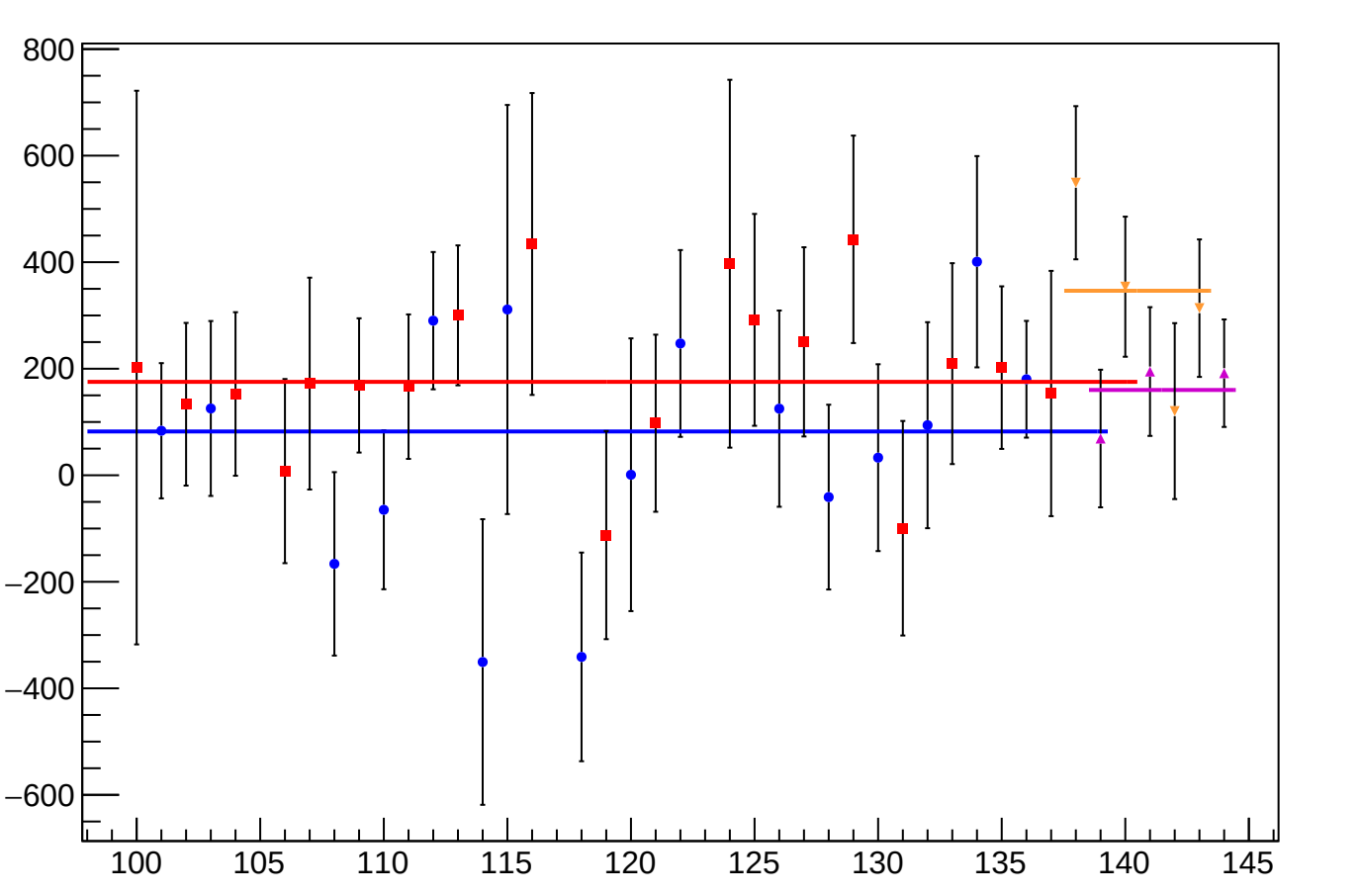
Left: 913.598+/-0.279 χ^2/NDF: 191367.3/6

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1047.963+/-0.244 χ^2/NDF:1087352.5/18

Out: 1061.192+/-0.240 χ^2/NDF:986206.3/22

All: 1054.698+/-0.171 χ^2/NDF: 2075053.5/41



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 160.097+/-66.433 χ^2/NDF:0.7/2

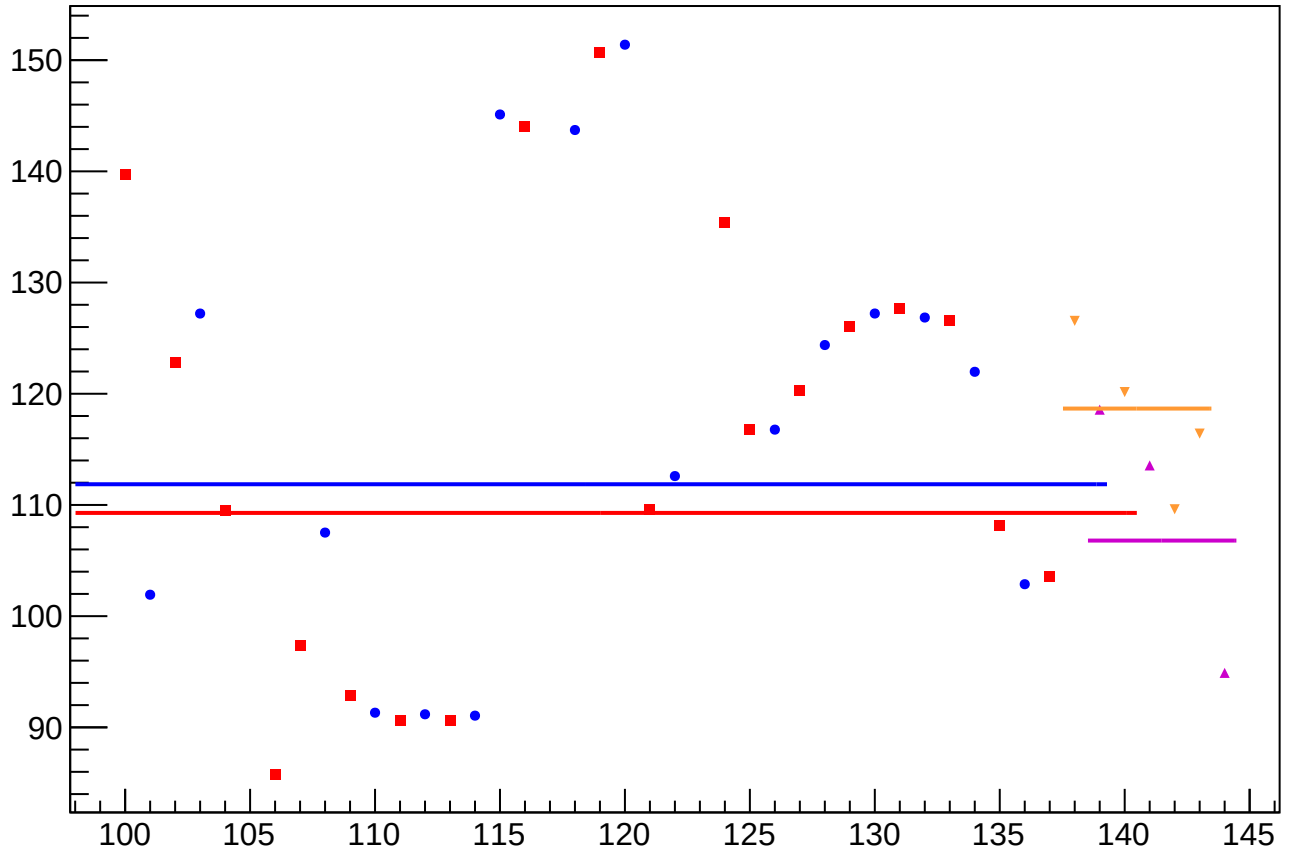
Left: 248.102+/-48.252 χ^2/NDF: 8.3/6

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 104.534+/-35.581 χ^2/NDF:20.0/18

Out: 218.331+/-35.196 χ^2/NDF:18.3/22

All: 162.051+/-25.022 χ^2/NDF: 43.5/41



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

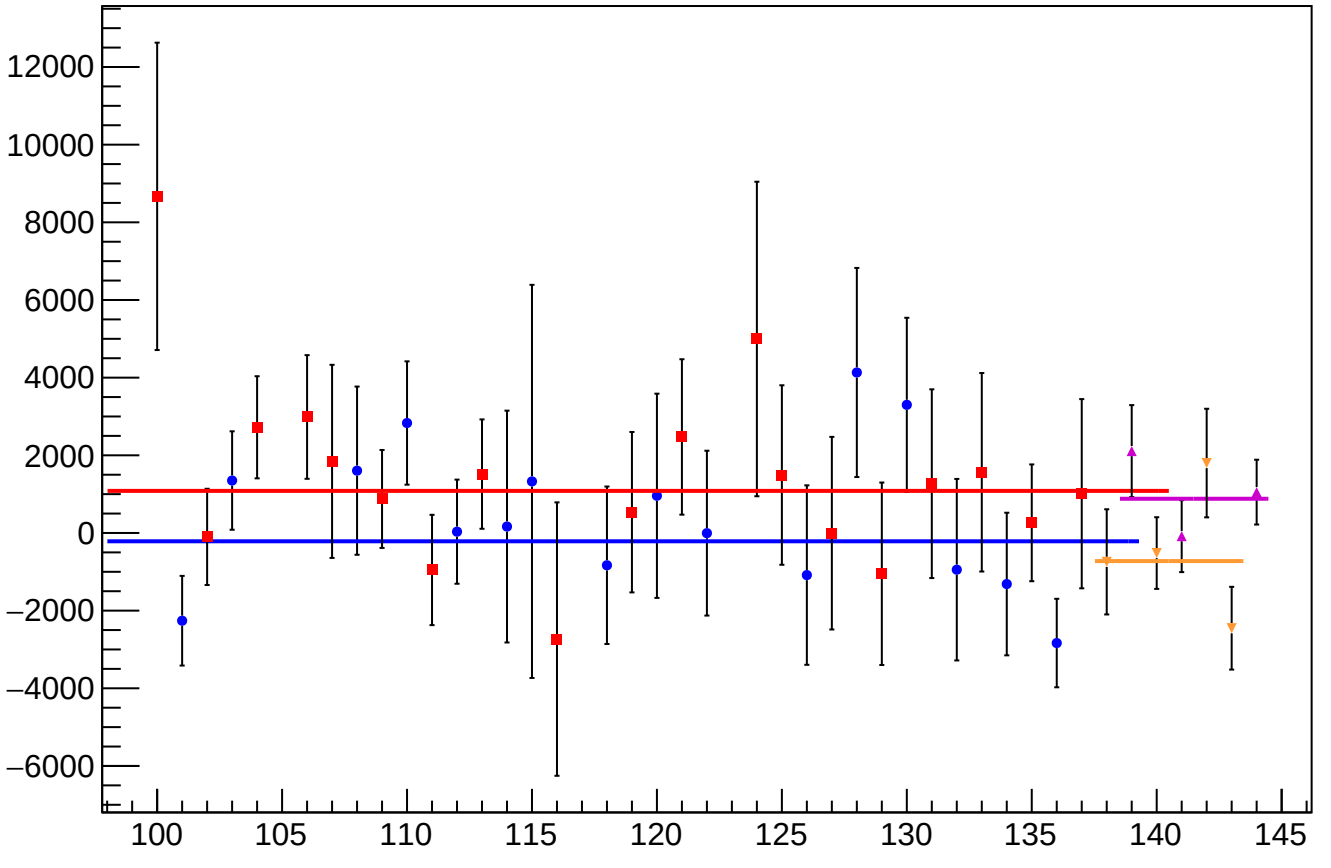
Left: 112.405+/-0.034 χ^2/NDF: 93718.0/6

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.409+/-0.025 χ^2/NDF:364971.7/18

Out: 111.643+/-0.025 χ^2/NDF:410356.7/22

All: 111.033+/-0.018 χ^2/NDF: 776543.7/41



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 881.107+/-549.253 χ^2/NDF:2.2/2

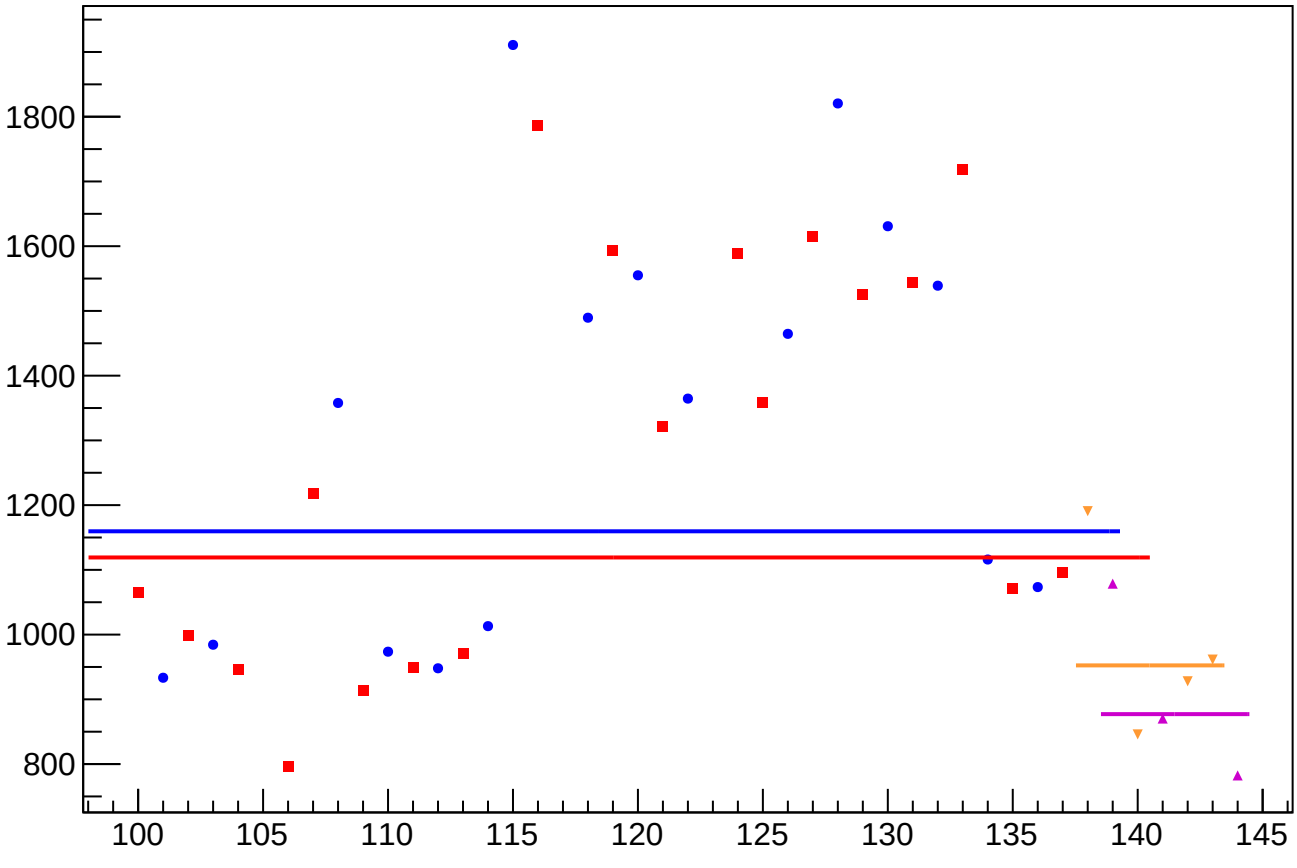
Left: 103.979+/-394.479 χ^2/NDF: 12.3/6

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 218.587+/-345.275 χ^2/NDF:25.0/18

Out: 435.879+/-339.426 χ^2/NDF:26.4/22

All: 329.089+/-242.052 χ^2/NDF: 51.6/41



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 877.147+/-0.388 χ^2/NDF:83833.7/2

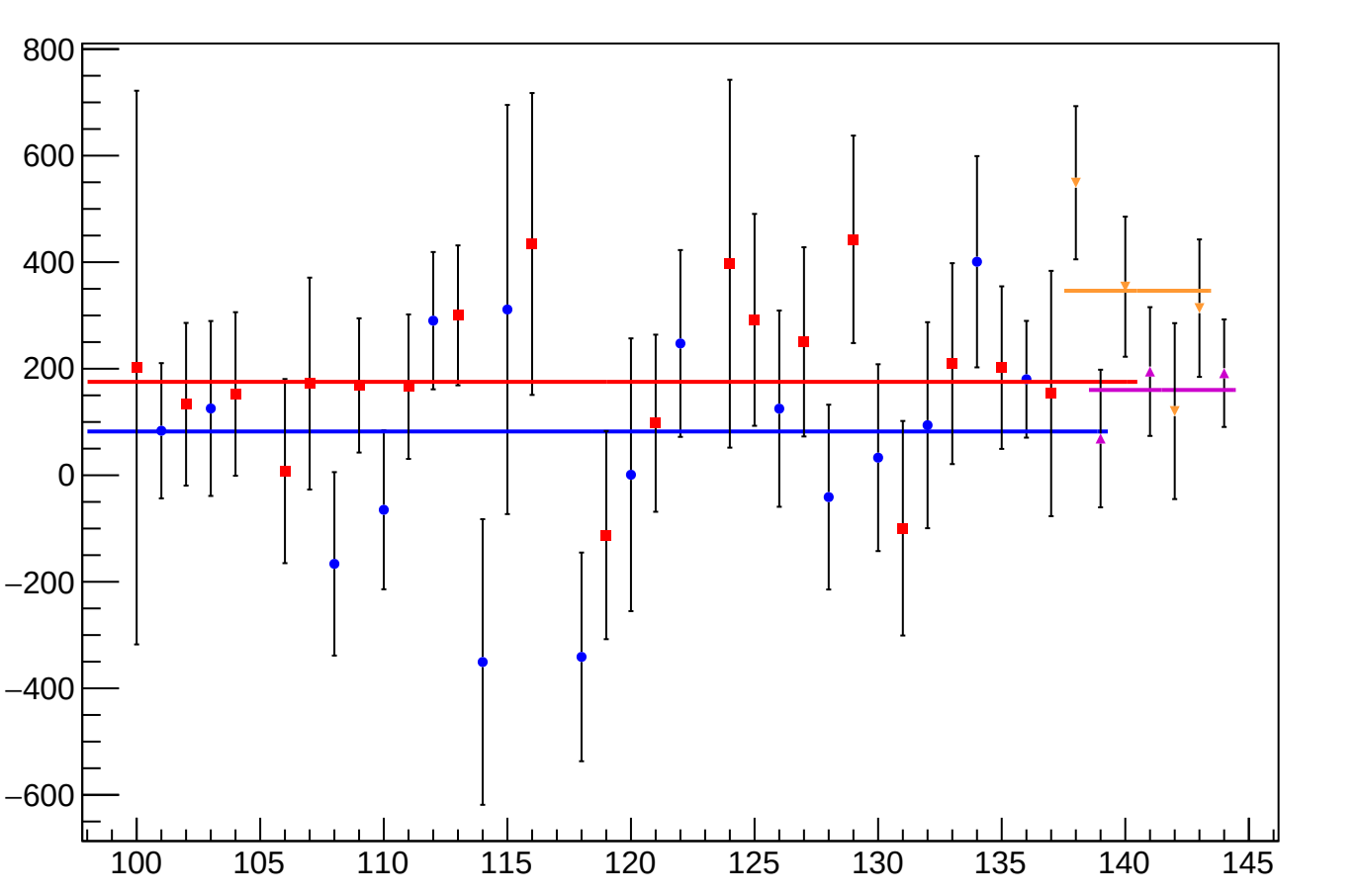
Left: 913.598+/-0.279 χ^2/NDF: 191365.6/6

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1047.969+/-0.244 χ^2/NDF:1087338.5/18

Out: 1059.391+/-0.240 χ^2/NDF:1003463.6/22

All: 1053.777+/-0.171 χ^2/NDF: 2091915.2/41



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 160.097+/-66.433 χ^2/NDF:0.7/2

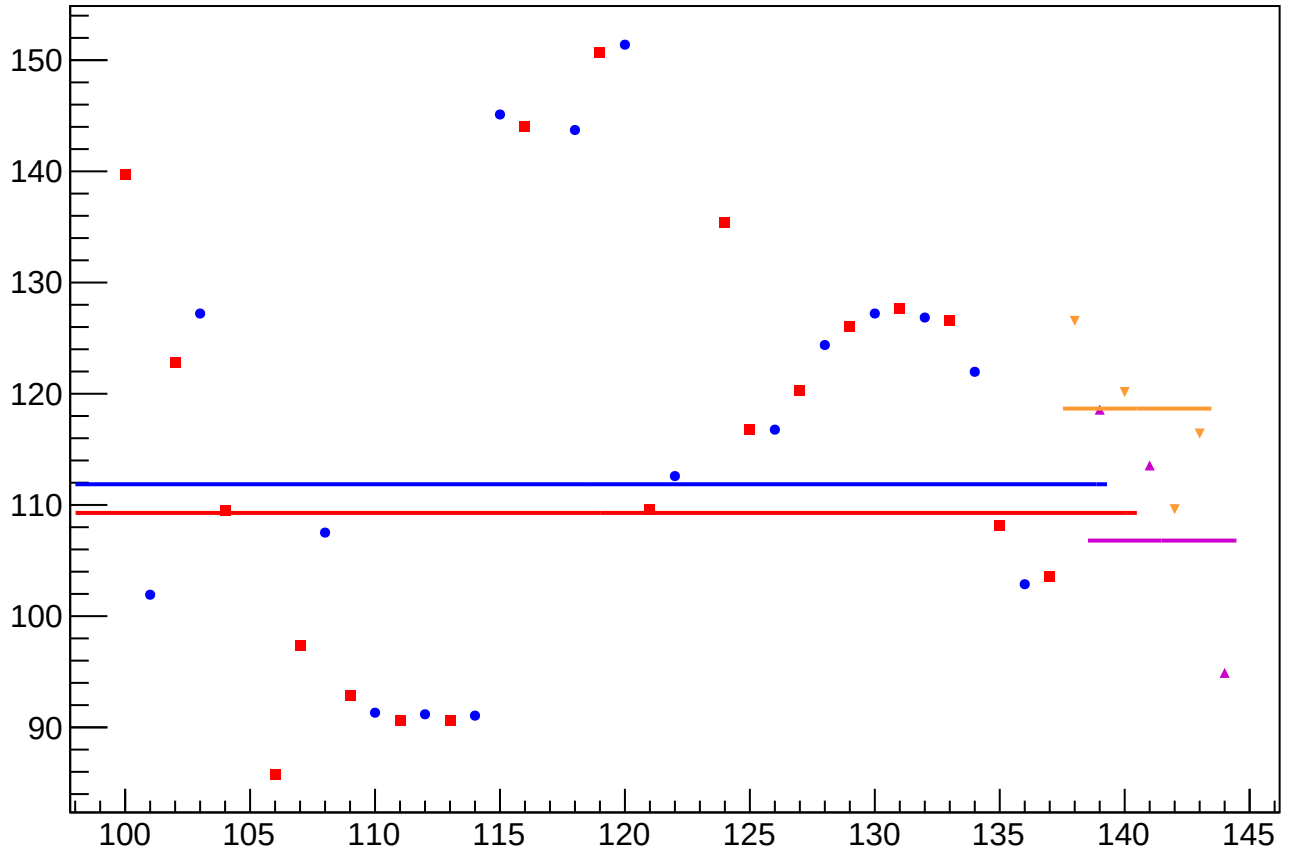
Left: 248.102+/-48.252 χ^2/NDF: 8.3/6

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 104.534+/-35.581 χ^2/NDF:20.0/18

Out: 218.331+/-35.196 χ^2/NDF:18.3/22

All: 162.051+/-25.022 χ^2/NDF: 43.5/41



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 106.797+/-0.047 χ^2/NDF:50656.8/2

Left: 112.405+/-0.034 χ^2/NDF: 93718.0/6

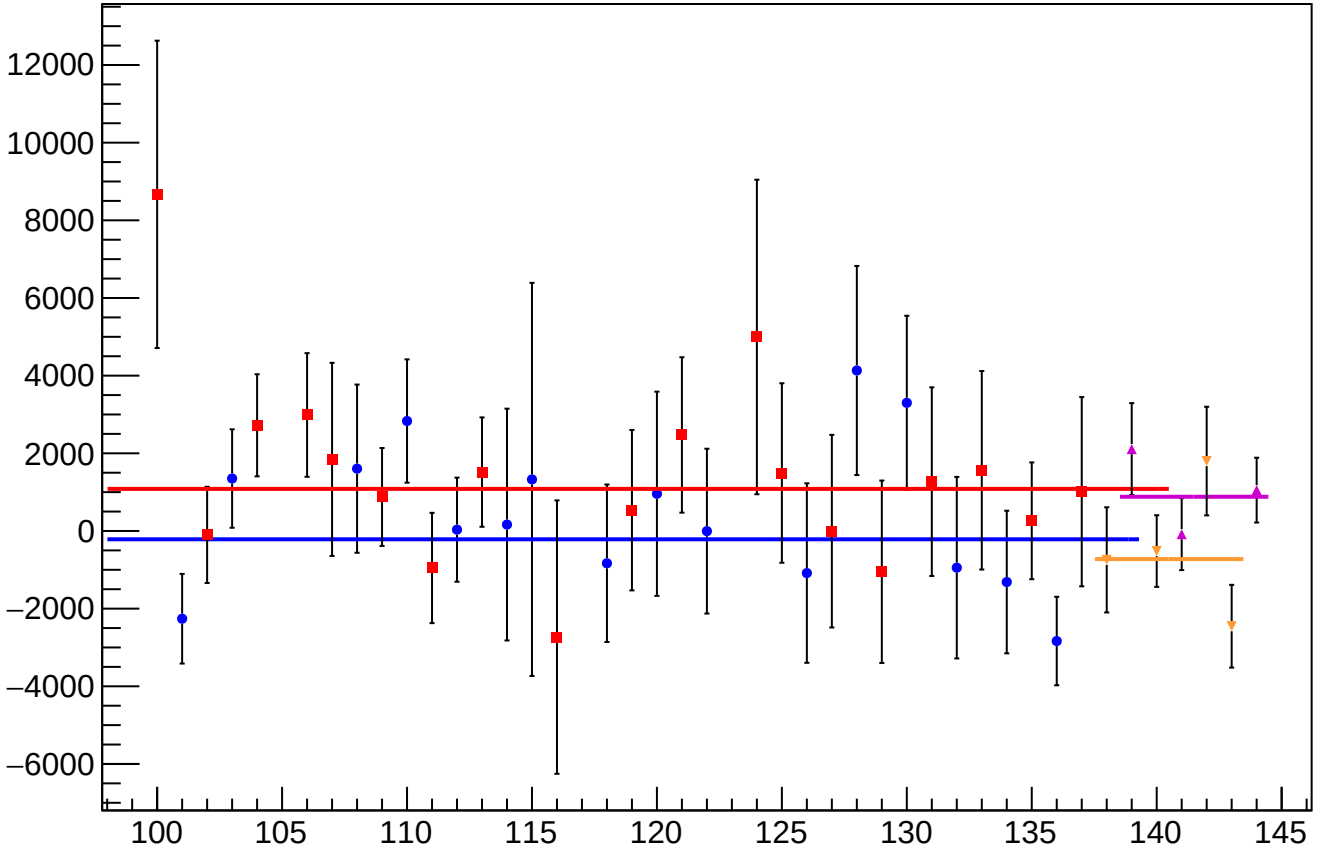
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.409+/-0.025 χ^2/NDF:364971.7/18

Out: 111.643+/-0.025 χ^2/NDF:410356.7/22

All: 111.033+/-0.018 χ^2/NDF: 776543.7/41

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 881.107+/-549.253 χ^2/NDF:2.2/2

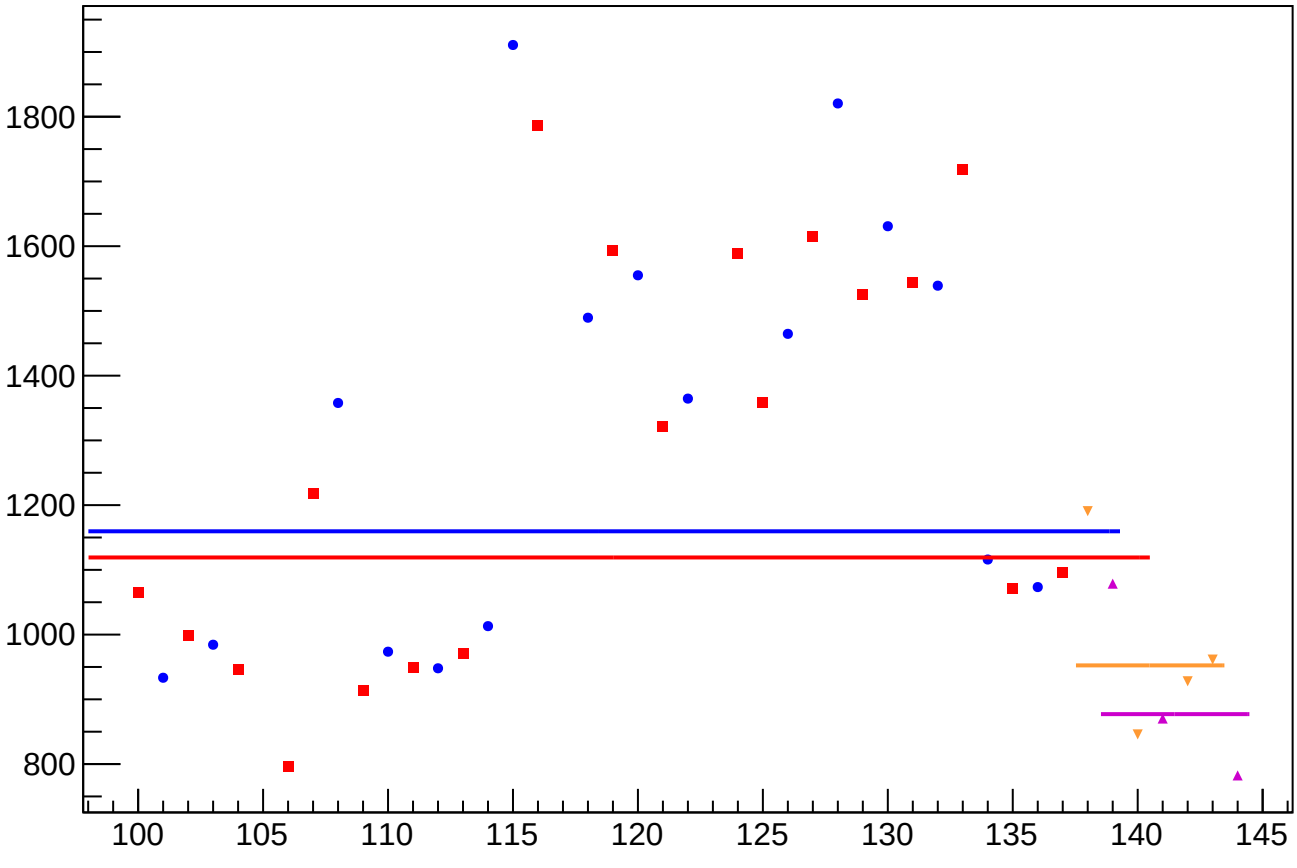
Left: 103.979+/-394.479 χ^2/NDF: 12.3/6

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 218.587+/-345.275 χ^2/NDF:25.0/18

Out: 435.879+/-339.426 χ^2/NDF:26.4/22

All: 329.089+/-242.052 χ^2/NDF: 51.6/41



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 877.147+/-0.388 χ^2/NDF:83833.7/2

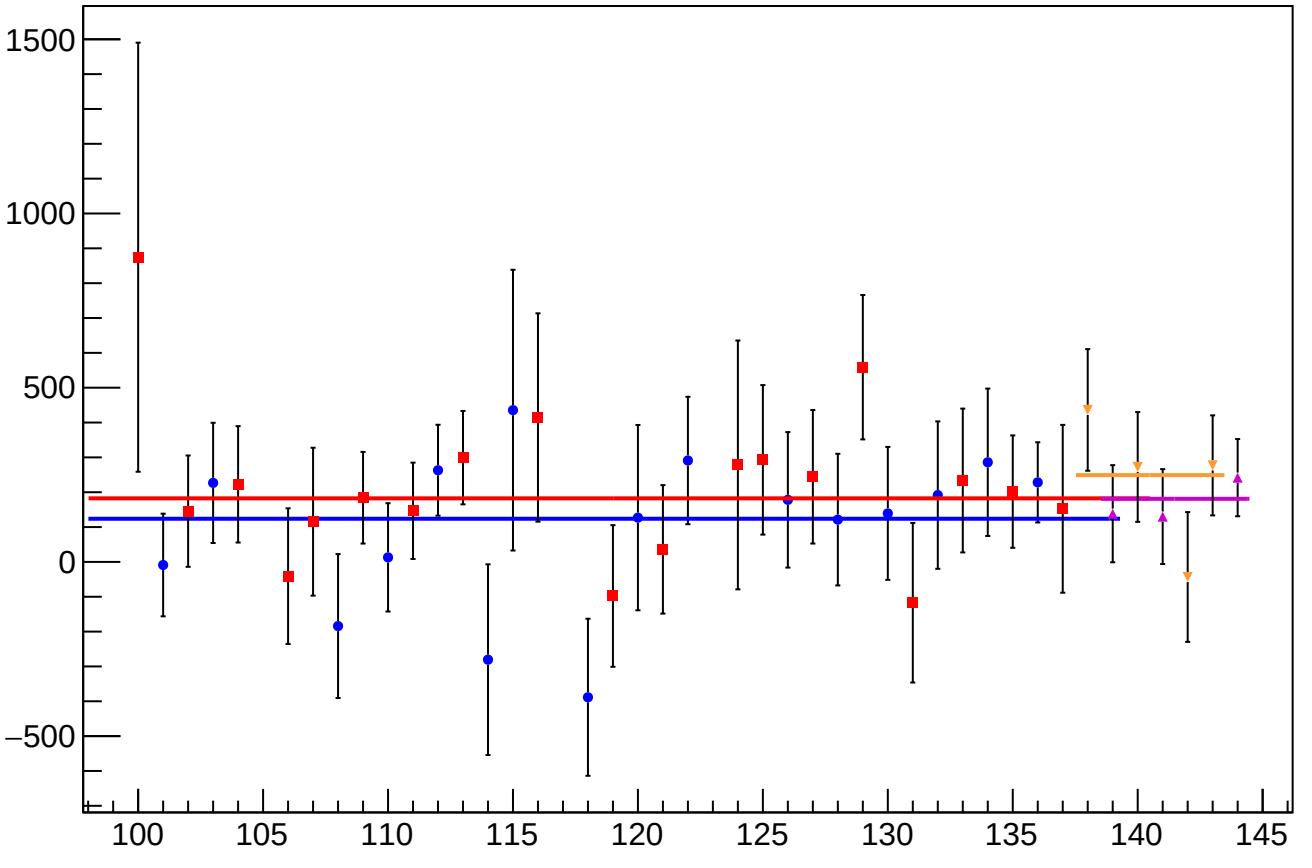
Left: 913.598+/-0.279 χ^2/NDF: 191365.6/6

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1047.969+/-0.244 χ^2/NDF:1087338.5/18

Out: 1059.391+/-0.240 χ^2/NDF:1003463.6/22

All: 1053.777+/-0.171 χ^2/NDF: 2091915.2/41



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.179+/-81.526 χ^2/NDF:3.7/3

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 181.075+/-73.164 χ^2/NDF:0.5/2

Left: 211.456+/-54.452 χ^2/NDF: 4.6/6

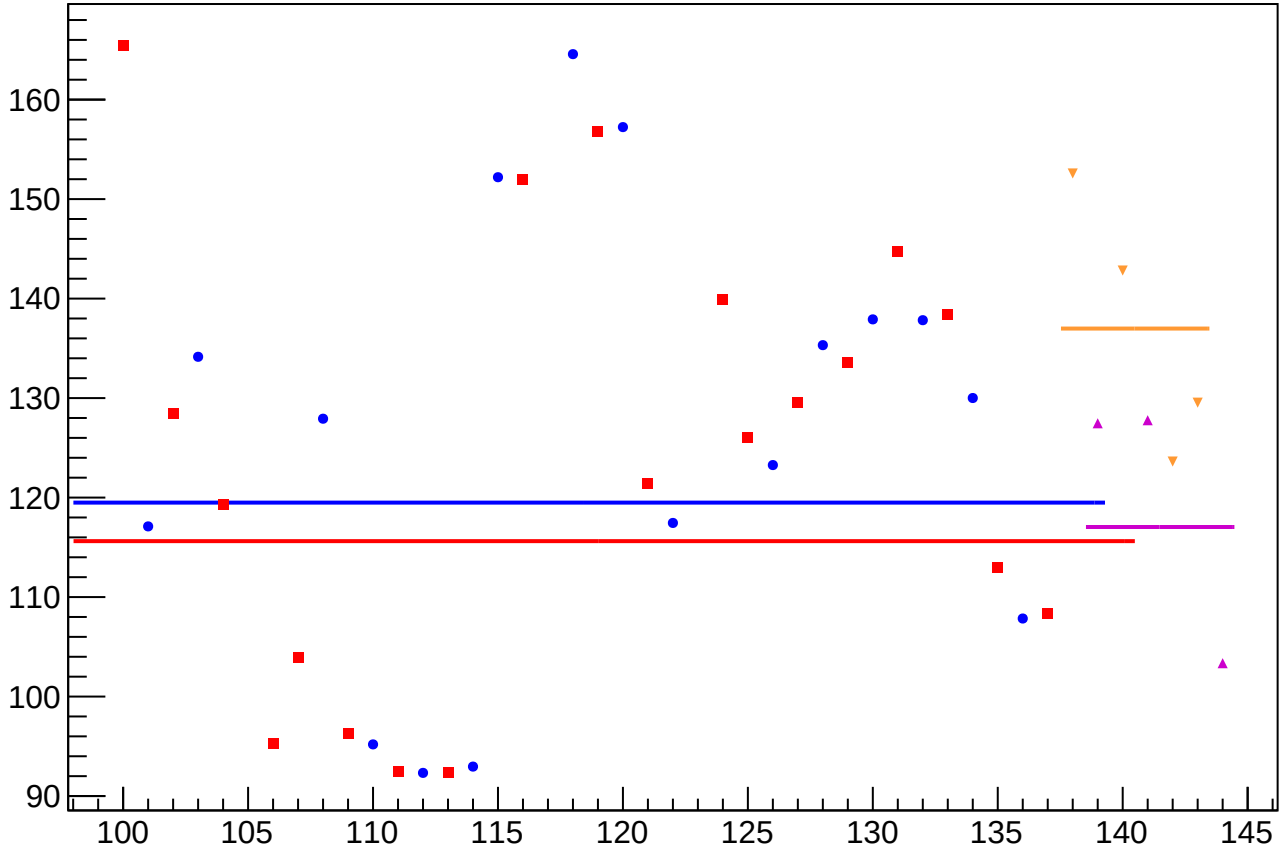
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 139.708+/-38.477 χ^2/NDF:16.4/18

Out: 197.105+/-38.189 χ^2/NDF:16.5/22

All: 168.622+/-27.105 χ^2/NDF: 34.0/41

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 136.988+/-0.058 χ^2/NDF:34379.5/3

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 117.043+/-0.052 χ^2/NDF:54131.2/2

Left: 125.941+/-0.039 χ^2/NDF: 154812.2/6

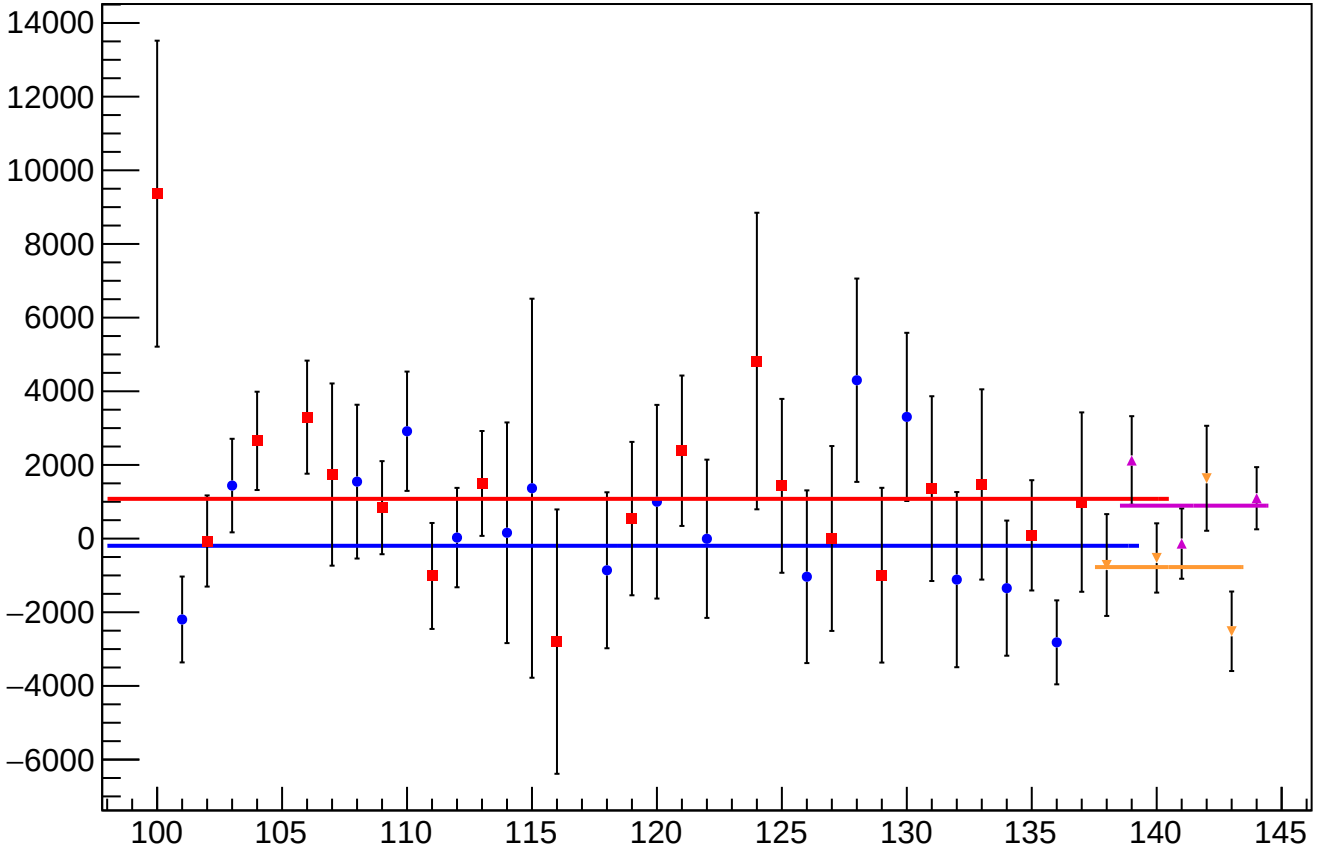
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 118.817+/-0.027 χ^2/NDF:436006.2/18

Out: 120.310+/-0.027 χ^2/NDF:568569.4/22

All: 119.569+/-0.019 χ^2/NDF: 1006093.2/41

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.931 χ^2/NDF:5.5/3

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 894.361+/-559.870 χ^2/NDF:2.3/2

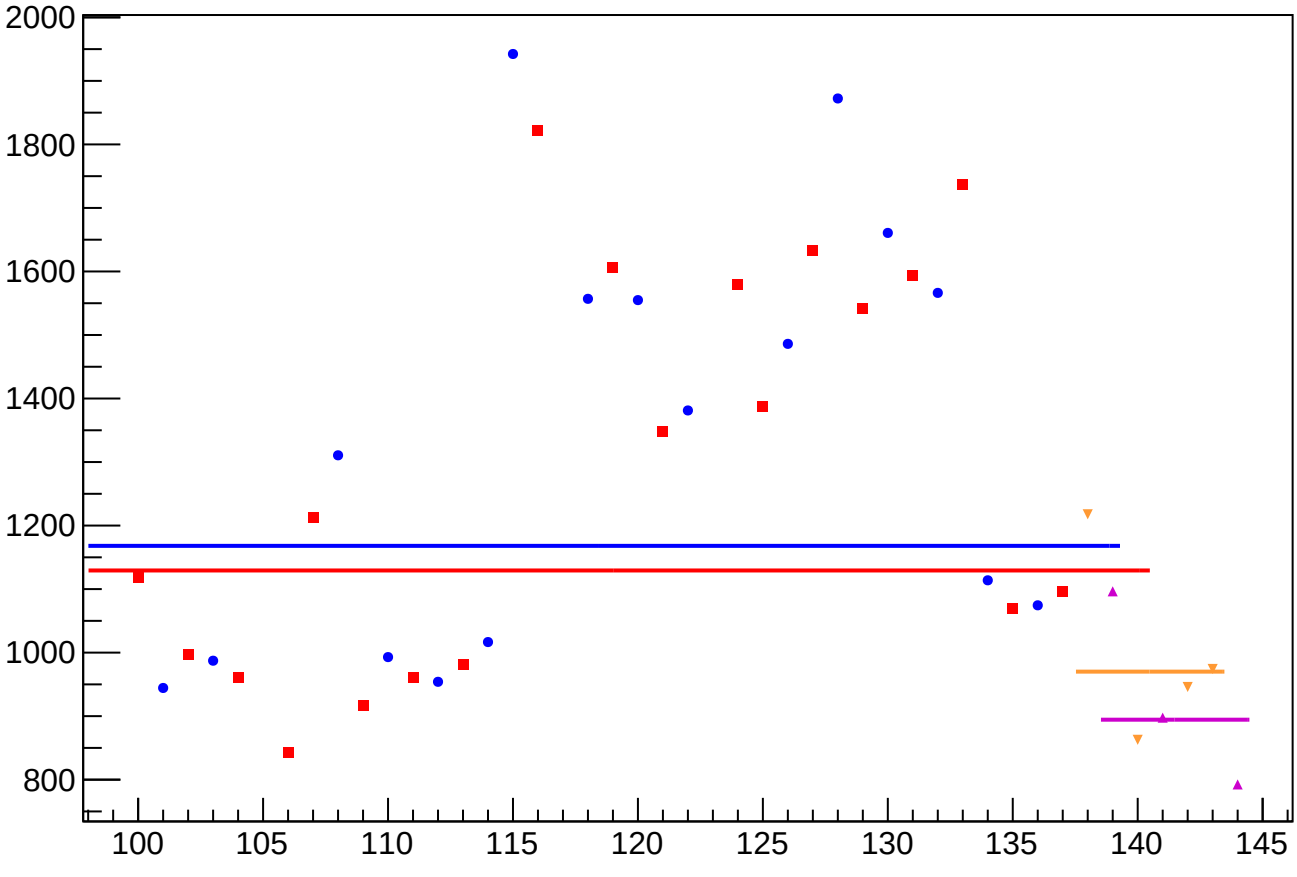
Left: 85.553+/-401.784 χ^2/NDF: 12.1/6

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 229.413+/-349.480 χ^2/NDF:25.0/18

Out: 425.783+/-342.674 χ^2/NDF:26.8/22

All: 329.529+/-244.678 χ^2/NDF: 51.9/41



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.075+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 894.416+/-0.396 χ^2/NDF:85527.5/2

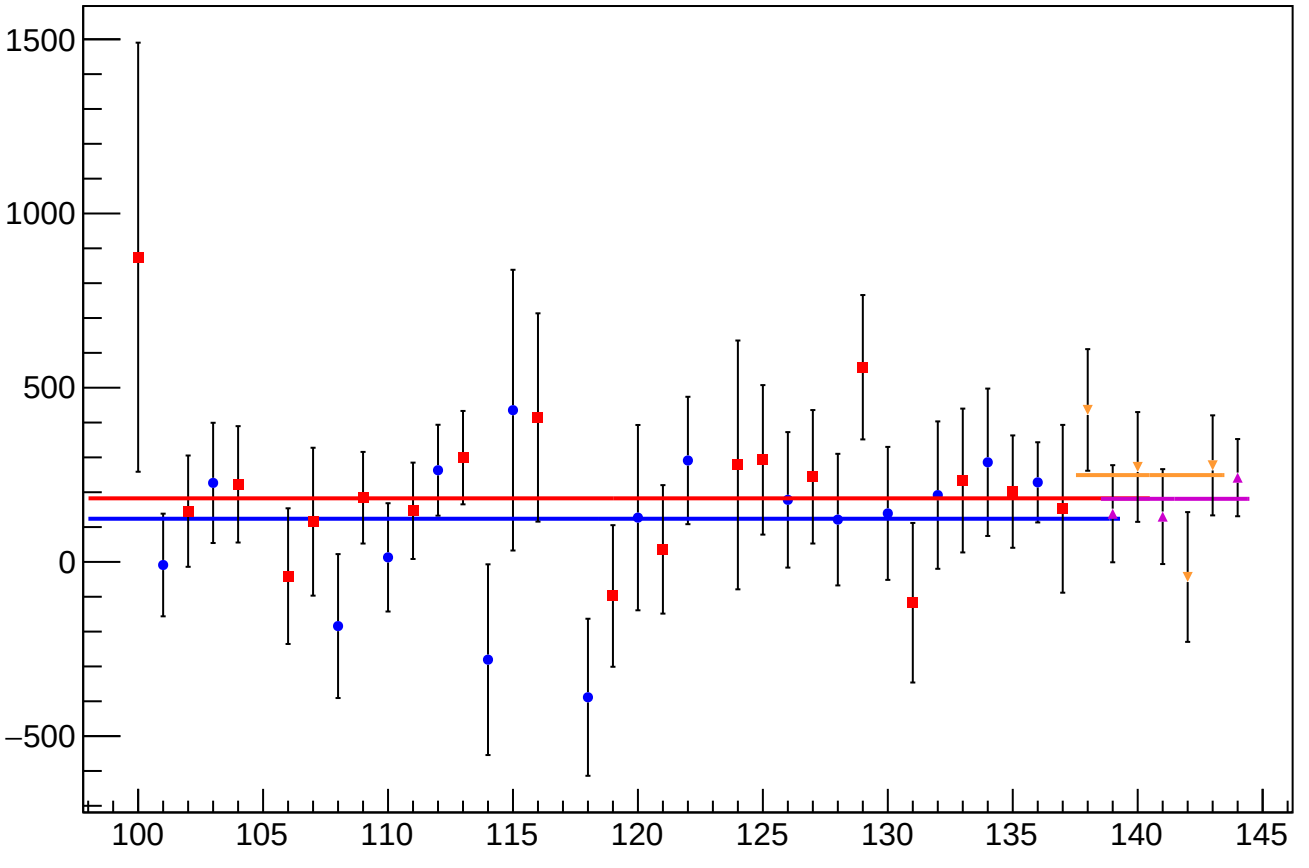
Left: 931.110+/-0.284 χ^2/NDF: 194081.0/6

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1061.437+/-0.247 χ^2/NDF:1086511.2/18

Out: 1073.138+/-0.242 χ^2/NDF:996676.3/22

All: 1067.403+/-0.173 χ^2/NDF: 2084330.4/41



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.181+/-81.527 χ^2/NDF:3.7/3

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 181.076+/-73.164 χ^2/NDF:0.5/2

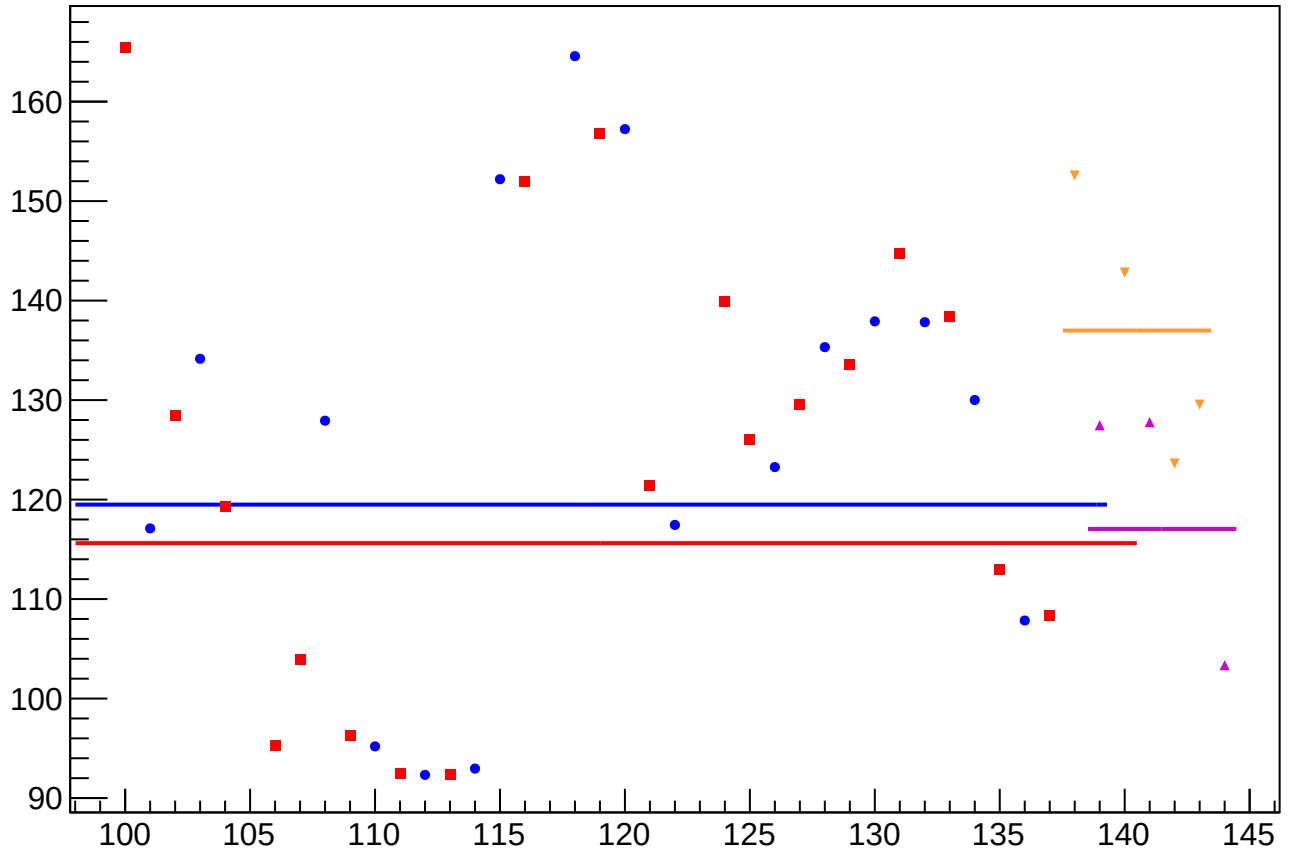
Left: 211.457+/-54.452 χ^2/NDF: 4.6/6

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 139.710+/-38.477 χ^2/NDF:16.4/18

Out: 197.106+/-38.189 χ^2/NDF:16.5/22

All: 168.623+/-27.105 χ^2/NDF: 34.0/41



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 136.988+/-0.058 χ^2/NDF:34378.6/3

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 117.043+/-0.052 χ^2/NDF:54130.1/2

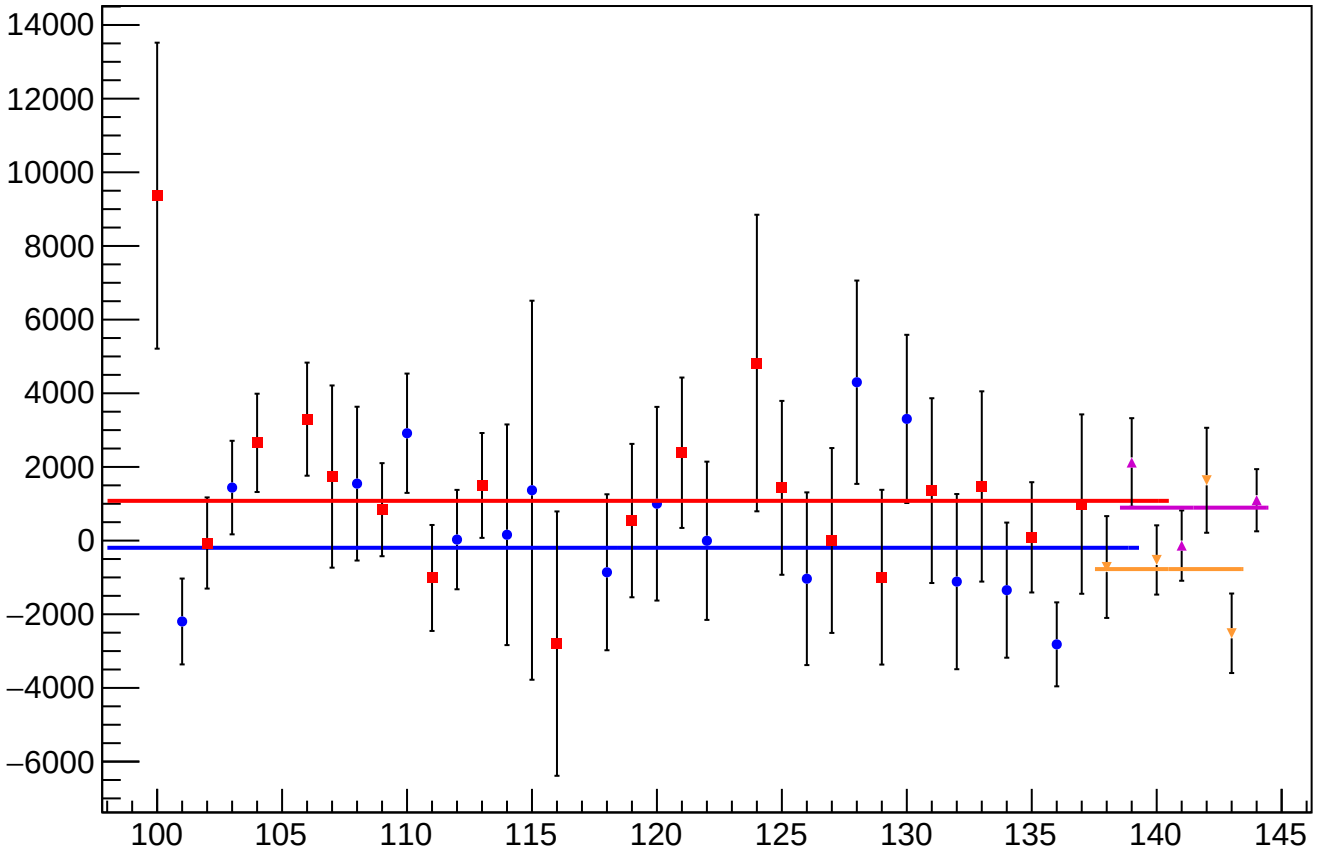
Left: 125.941+/-0.039 χ^2/NDF: 154810.2/6

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 118.817+/-0.027 χ^2/NDF:436008.4/18

Out: 120.310+/-0.027 χ^2/NDF:568573.9/22

All: 119.569+/-0.019 χ^2/NDF: 1006099.8/41



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.930 χ^2/NDF:5.5/3

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 894.360+/-559.870 χ^2/NDF:2.3/2

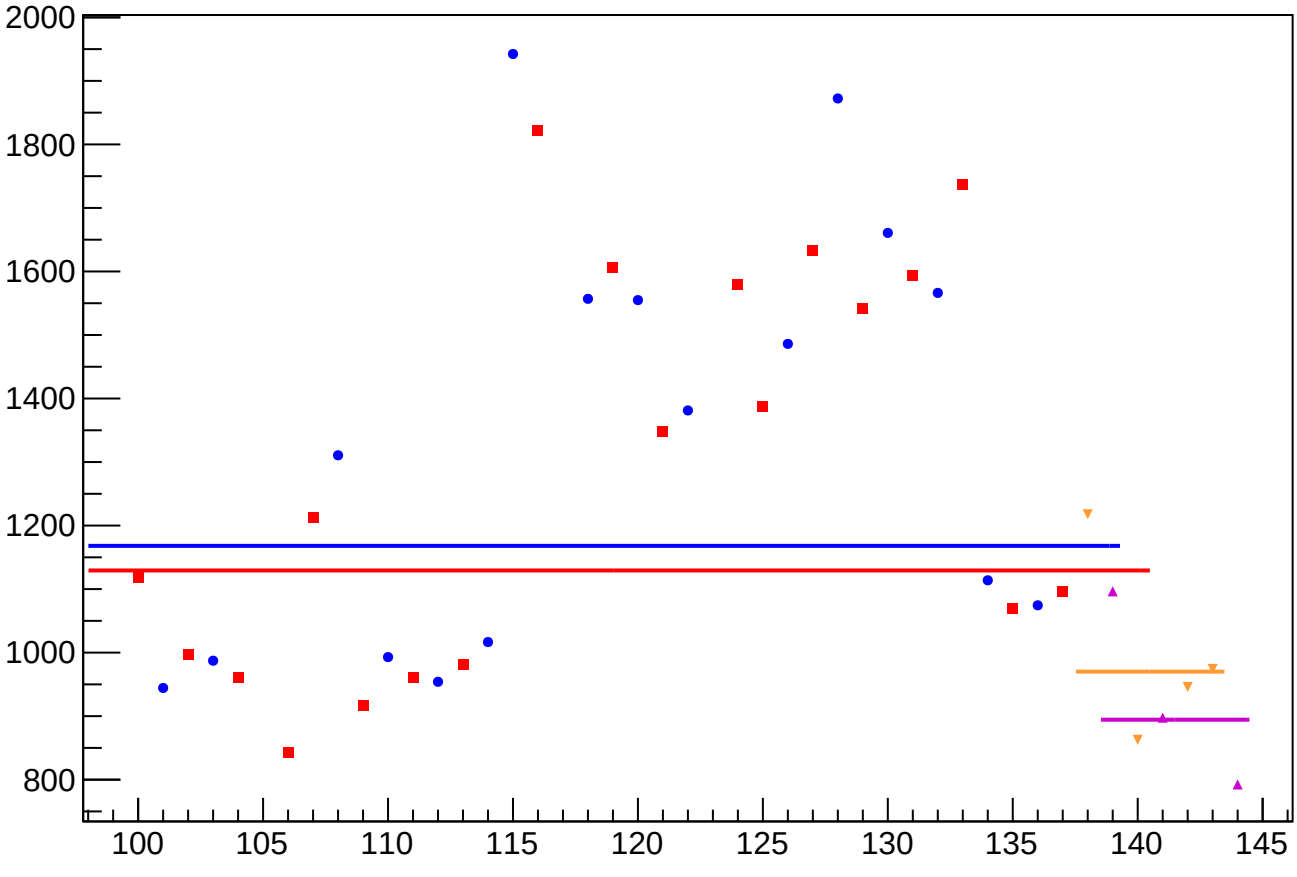
Left: 85.553+/-401.784 χ^2/NDF: 12.1/6

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 229.413+/-349.480 χ^2/NDF:25.0/18

Out: 425.783+/-342.674 χ^2/NDF:26.8/22

All: 329.529+/-244.678 χ^2/NDF: 51.9/41



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.074+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 894.415+/-0.396 χ^2/NDF:85527.6/2

Left: 931.110+/-0.284 χ^2/NDF: 194081.0/6

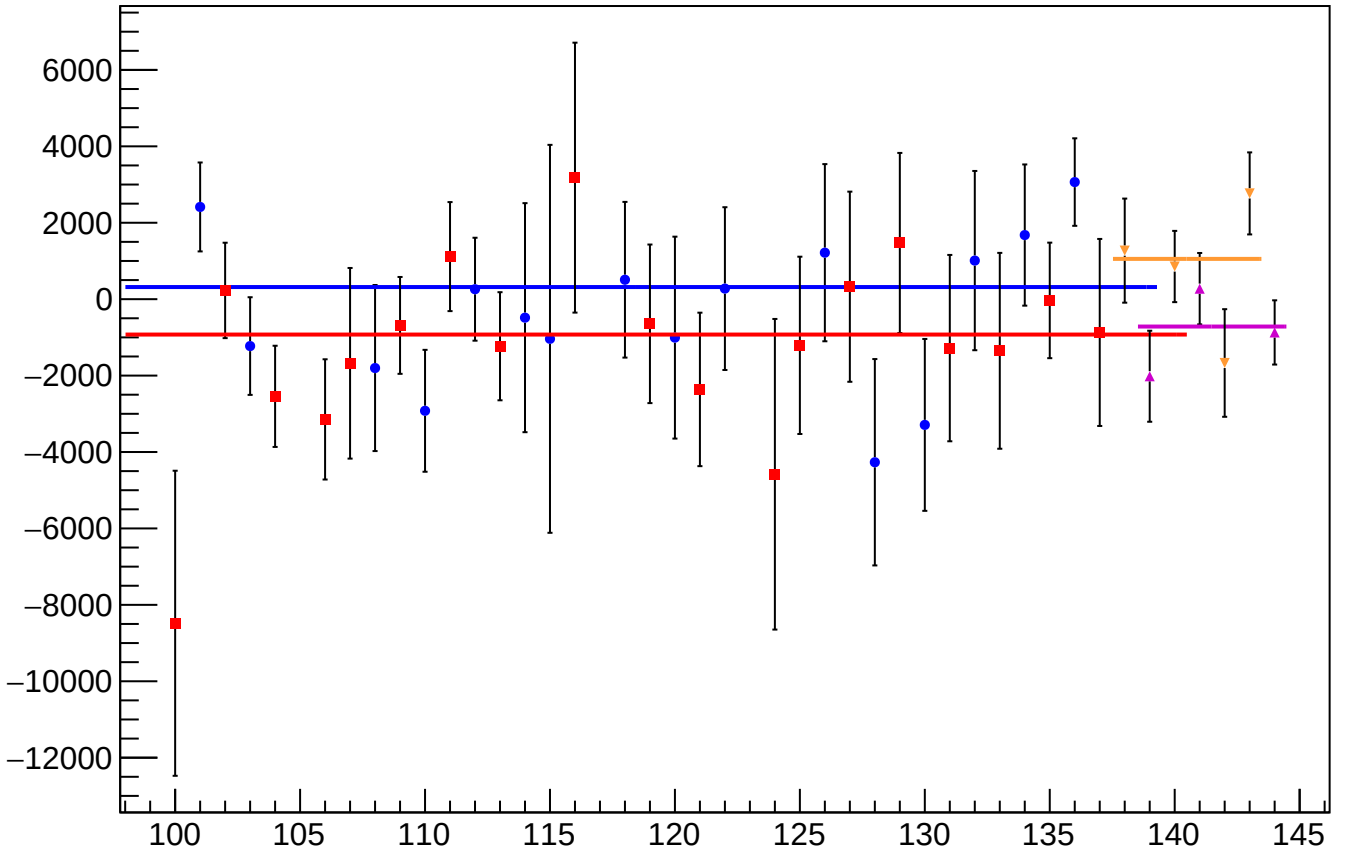
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1061.437+/-0.247 χ^2/NDF:1086514.5/18

Out: 1073.137+/-0.242 χ^2/NDF:996678.5/22

All: 1067.402+/-0.173 χ^2/NDF: 2084335.9/41

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1054.467+/-571.534 χ^2/NDF:6.4/3

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -716.257+/-553.404 χ^2/NDF:2.4/2

Left: 140.575+/-397.571 χ^2/NDF: 13.7/6

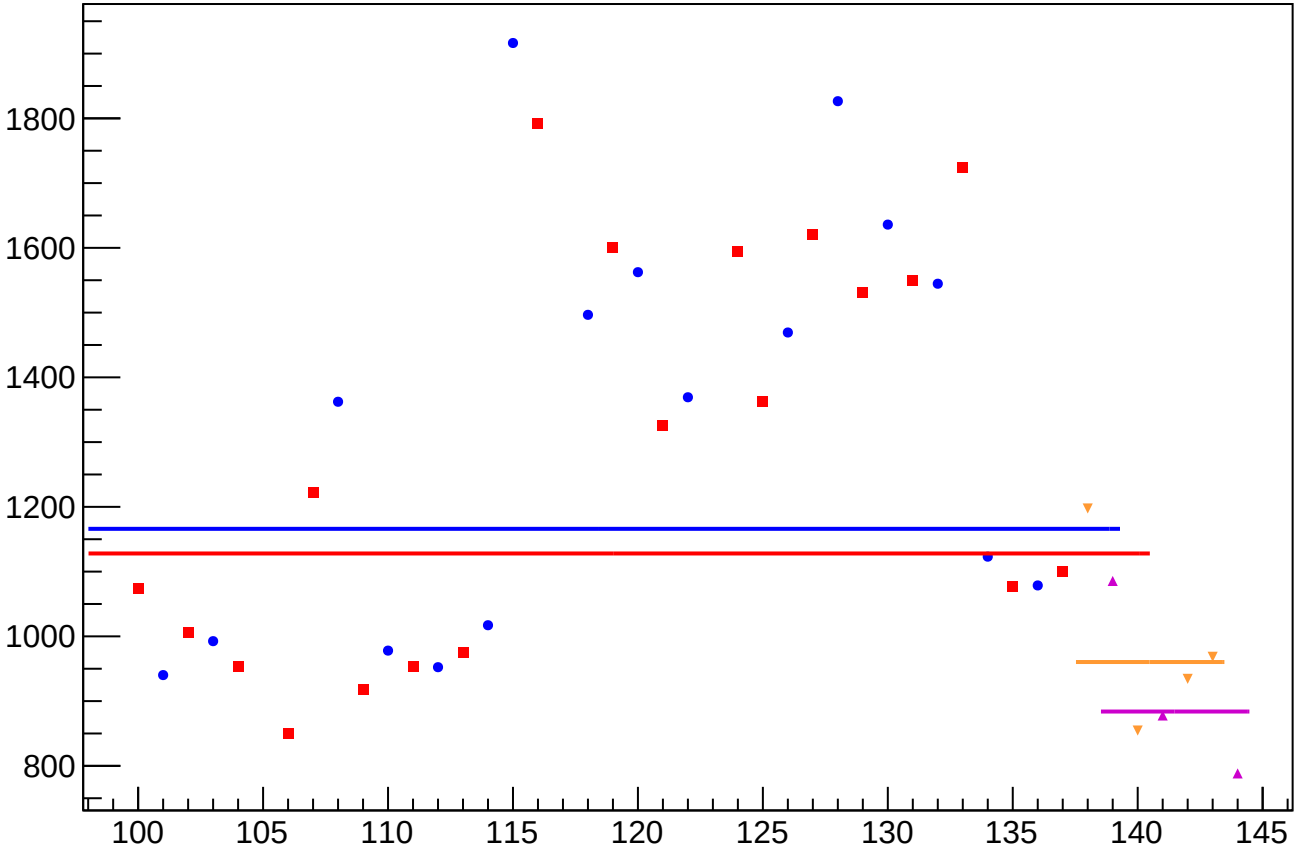
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -90.010+/-347.423 χ^2/NDF:26.6/18

Out: -219.976+/-341.252 χ^2/NDF:28.6/22

All: -156.158+/-243.454 χ^2/NDF: 55.3/41

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 960.377+/-0.404 χ^2/NDF:87172.9/3

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 883.901+/-0.391 χ^2/NDF:83275.0/2

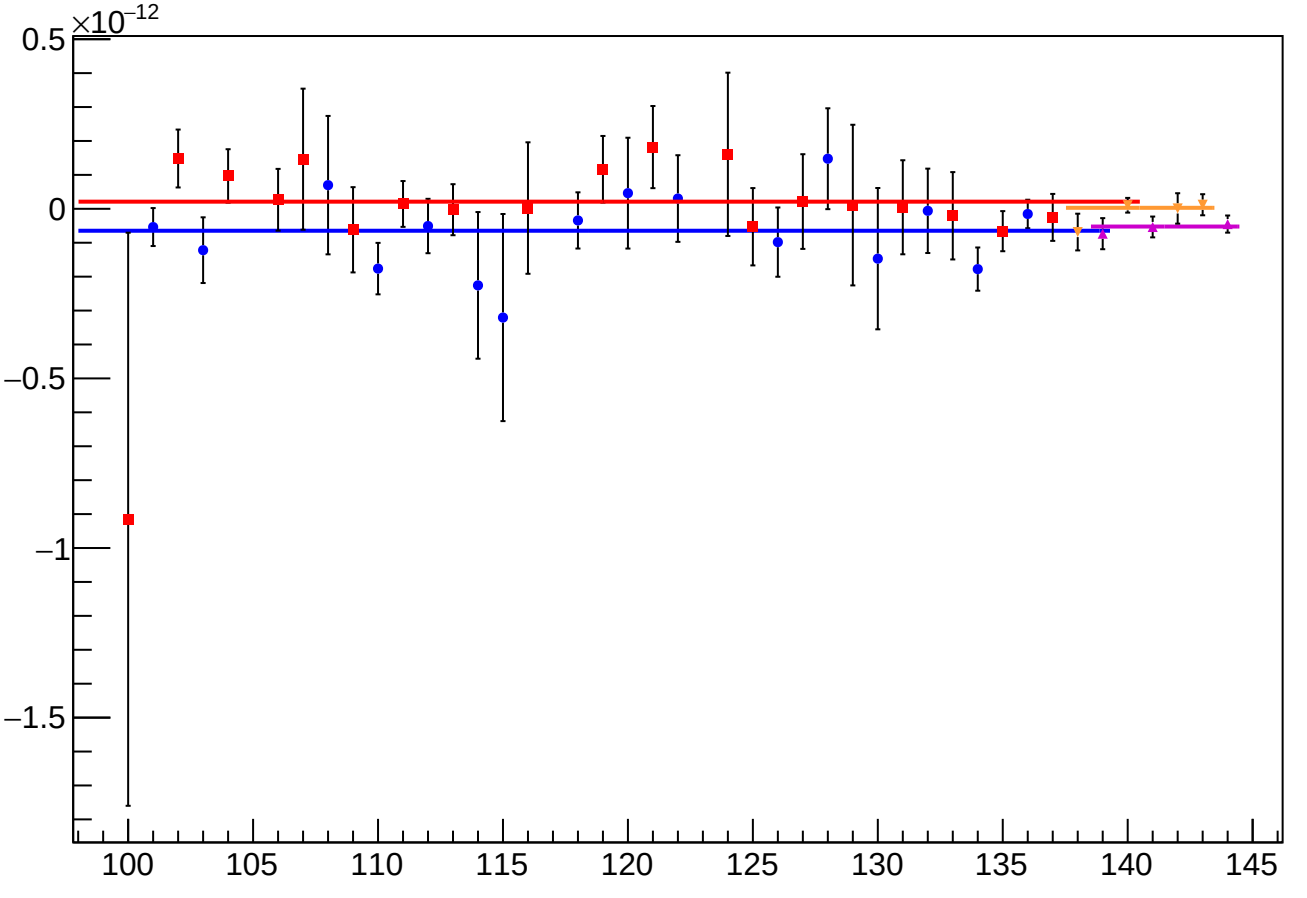
Left: 920.906+/-0.281 χ^2/NDF: 188929.5/6

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1054.852+/-0.246 χ^2/NDF:1075336.1/18

Out: 1068.245+/-0.241 χ^2/NDF:973651.5/22

All: 1061.669+/-0.172 χ^2/NDF: 2050500.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/2

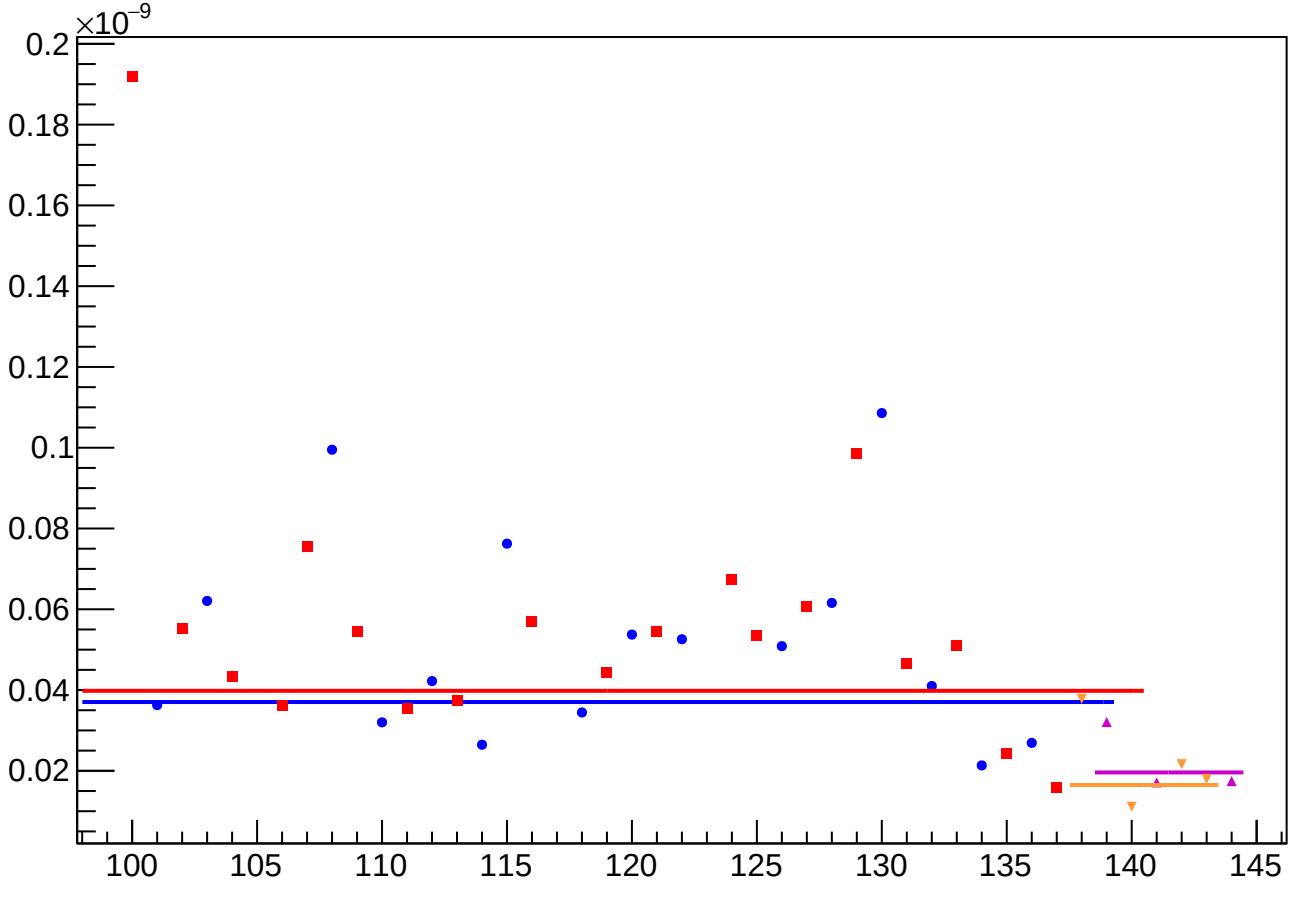
Left: -0.000+/-0.000 χ^2/NDF: 7.6/6

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:13.0/18

Out: 0.000+/-0.000 χ^2/NDF:13.9/22

All: -0.000+/-0.000 χ^2/NDF: 38.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:464415.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:175638.3/2

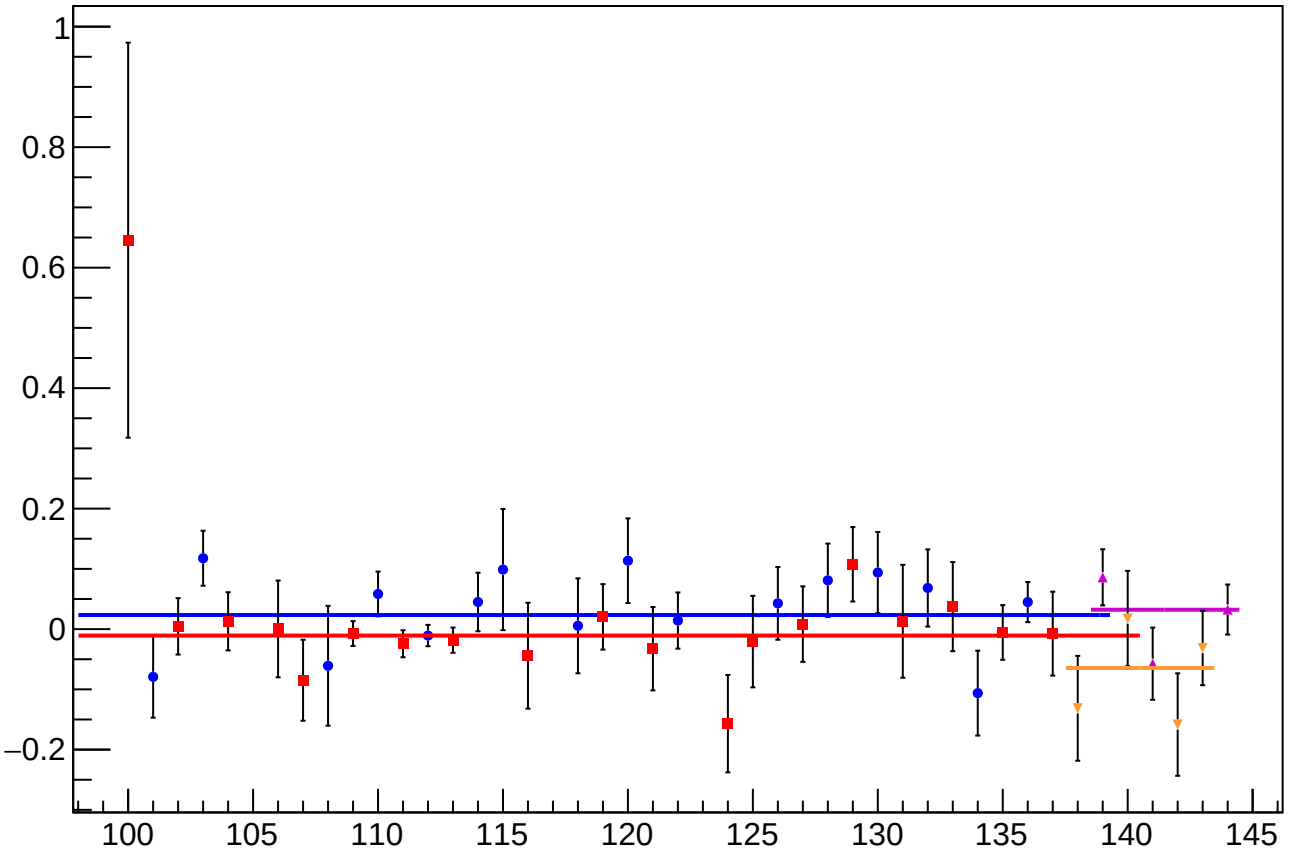
Left: 0.000+/-0.000 χ^2/NDF: 673938.5/6

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:1932137.7/18

Out: 0.000+/-0.000 χ^2/NDF:2755323.8/22

All: 0.000+/-0.000 χ^2/NDF: 4727846.0/41



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.028 χ^2/NDF:3.6/2

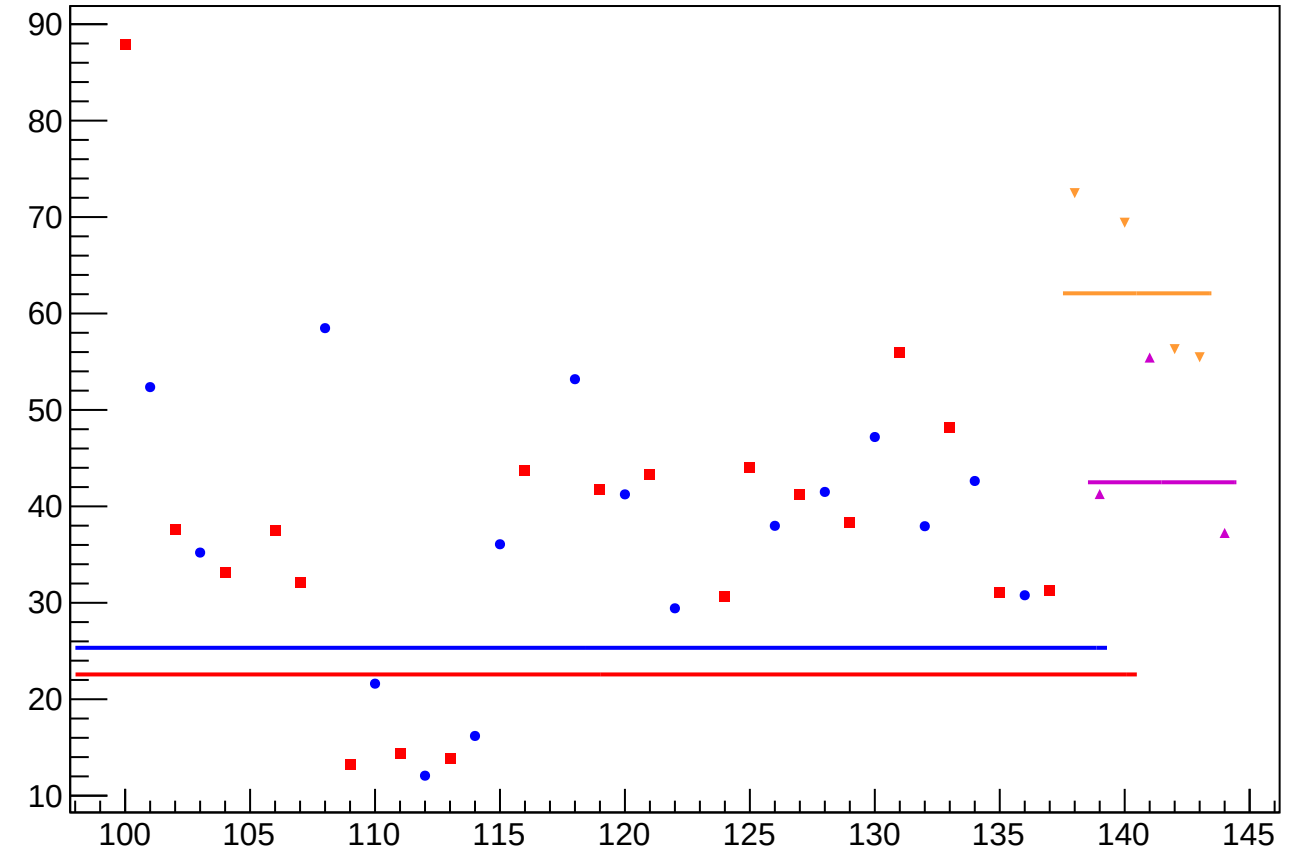
Left: -0.001+/-0.022 χ^2/NDF: 11.0/6

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.4/18

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.004+/-0.007 χ^2/NDF: 51.3/41



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 62.092+/-0.027 χ^2/NDF:77961.4/3

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.498+/-0.019 χ^2/NDF:126686.5/2

Left: 49.241+/-0.016 χ^2/NDF: 553404.1/6

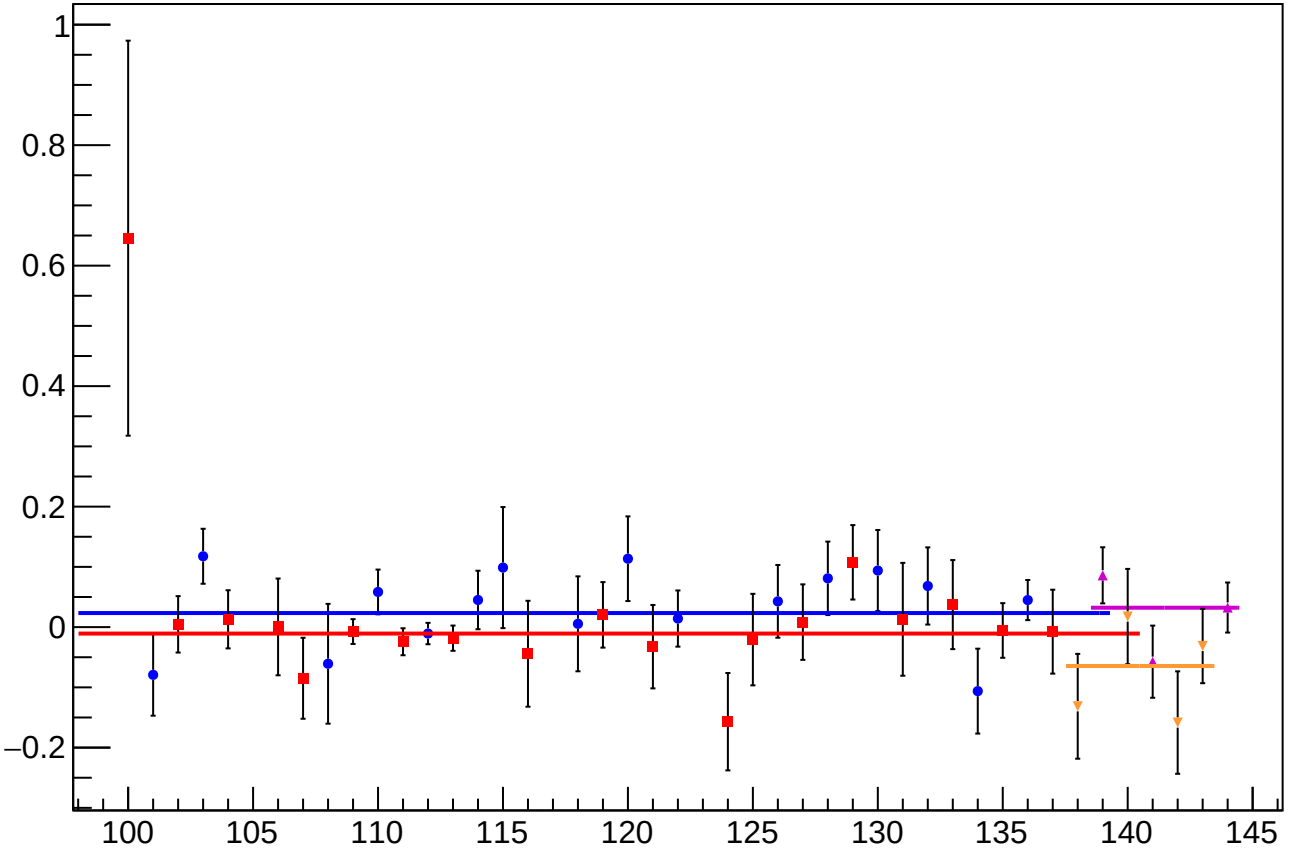
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.723+/-0.007 χ^2/NDF:3721266.0/18

Out: 25.037+/-0.007 χ^2/NDF:5246232.3/22

All: 26.274+/-0.005 χ^2/NDF: 9041290.0/41

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.028 χ^2/NDF:3.6/2

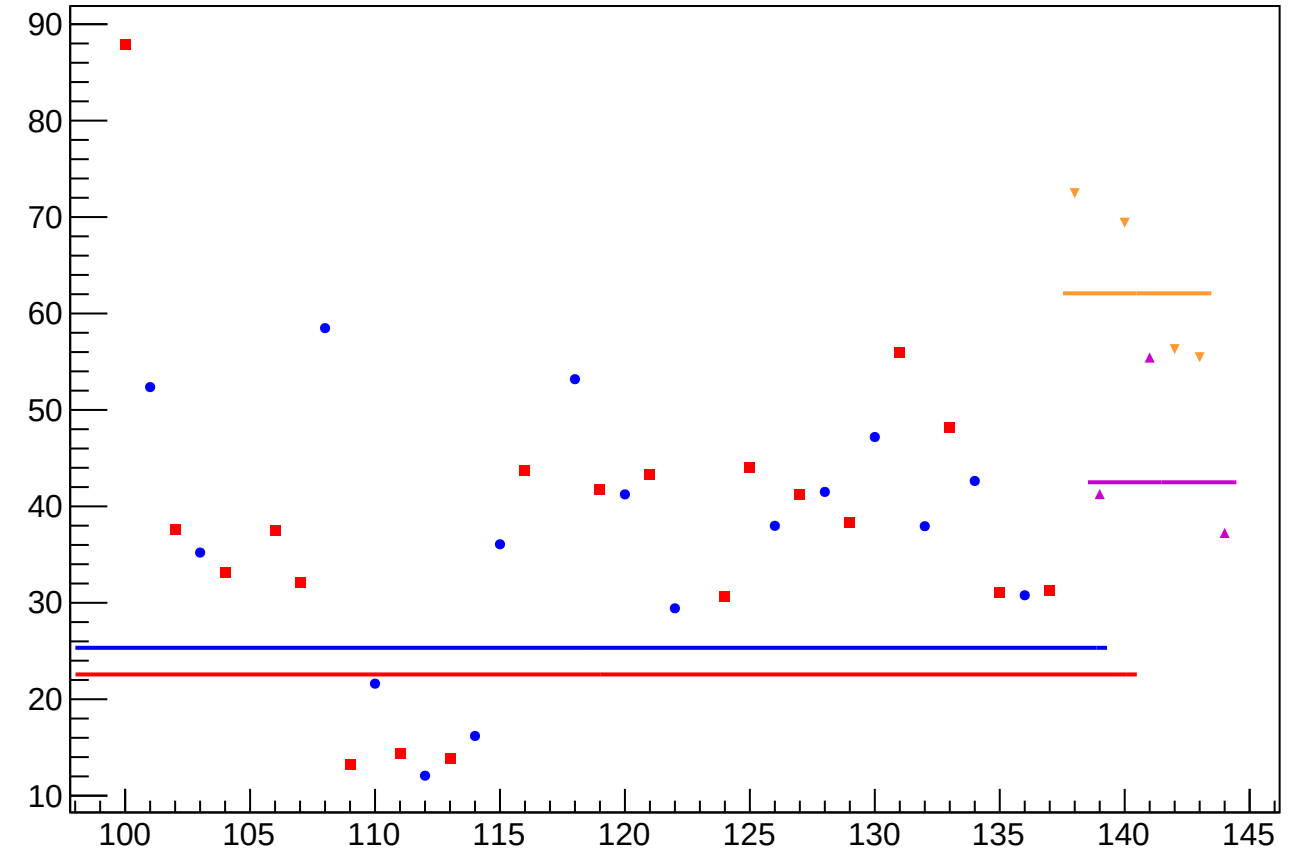
Left: -0.001+/-0.022 χ^2/NDF: 11.0/6

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.4/18

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.004+/-0.007 χ^2/NDF: 51.3/41



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 62.092+/-0.027 χ^2/NDF:77961.4/3

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.498+/-0.019 χ^2/NDF:126686.5/2

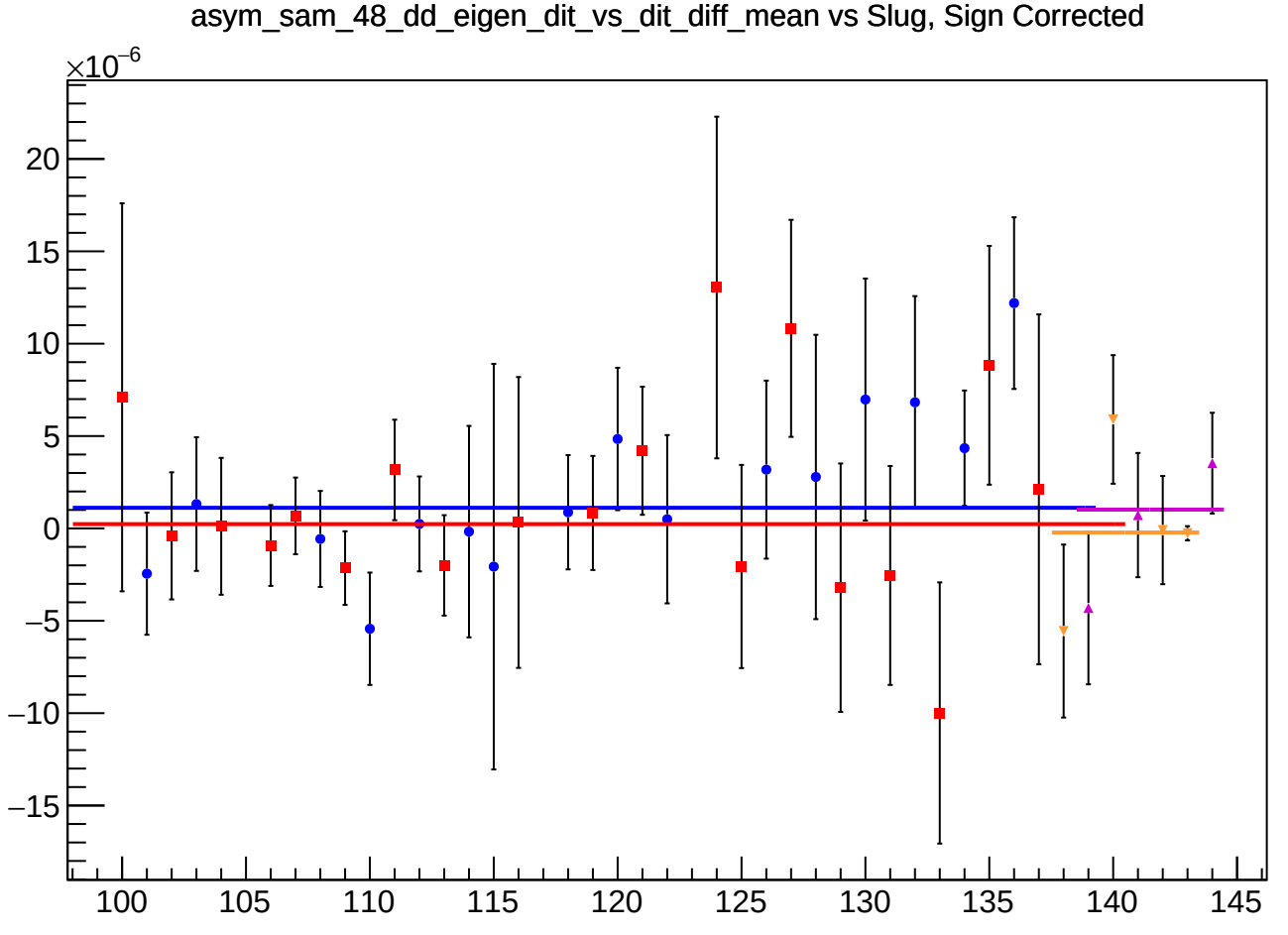
Left: 49.241+/-0.016 χ^2/NDF: 553404.1/6

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.723+/-0.007 χ^2/NDF:3721266.0/18

Out: 25.037+/-0.007 χ^2/NDF:5246232.3/22

All: 26.274+/-0.005 χ^2/NDF: 9041290.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/2

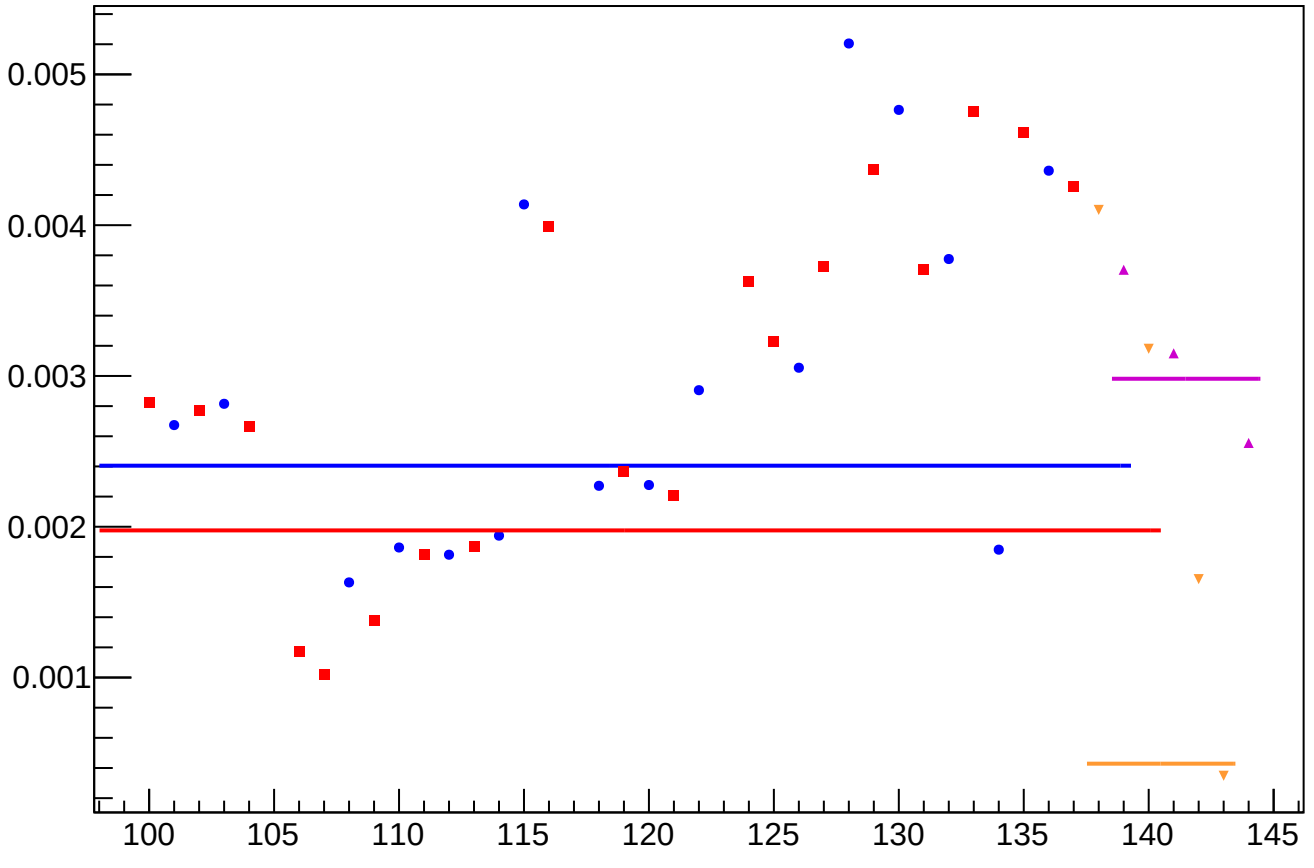
Left: -0.000+/-0.000 χ^2/NDF: 7.3/6

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:18.7/18

Out: -0.000+/-0.000 χ^2/NDF:19.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.3/41



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2916717.5/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.003+/-0.000 χ^2/NDF:114980.4/2

Left: 0.001+/-0.000 χ^2/NDF: 6558220.6/6

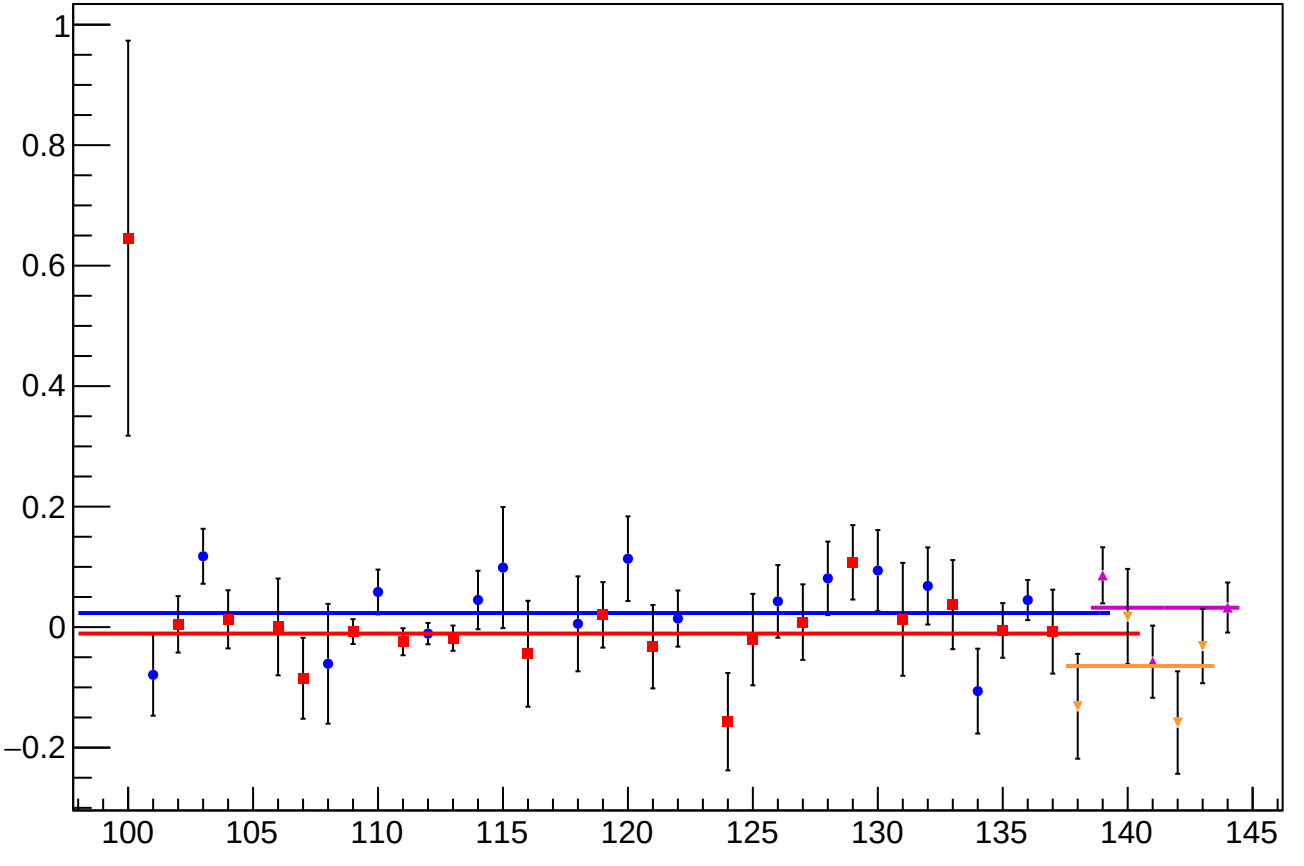
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.003+/-0.000 χ^2/NDF:1835908.2/18

Out: 0.001+/-0.000 χ^2/NDF:11644668.3/22

All: 0.001+/-0.000 χ^2/NDF: 21312498.2/41

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.028 χ^2/NDF:3.6/2

Left: -0.001+/-0.022 χ^2/NDF: 11.0/6

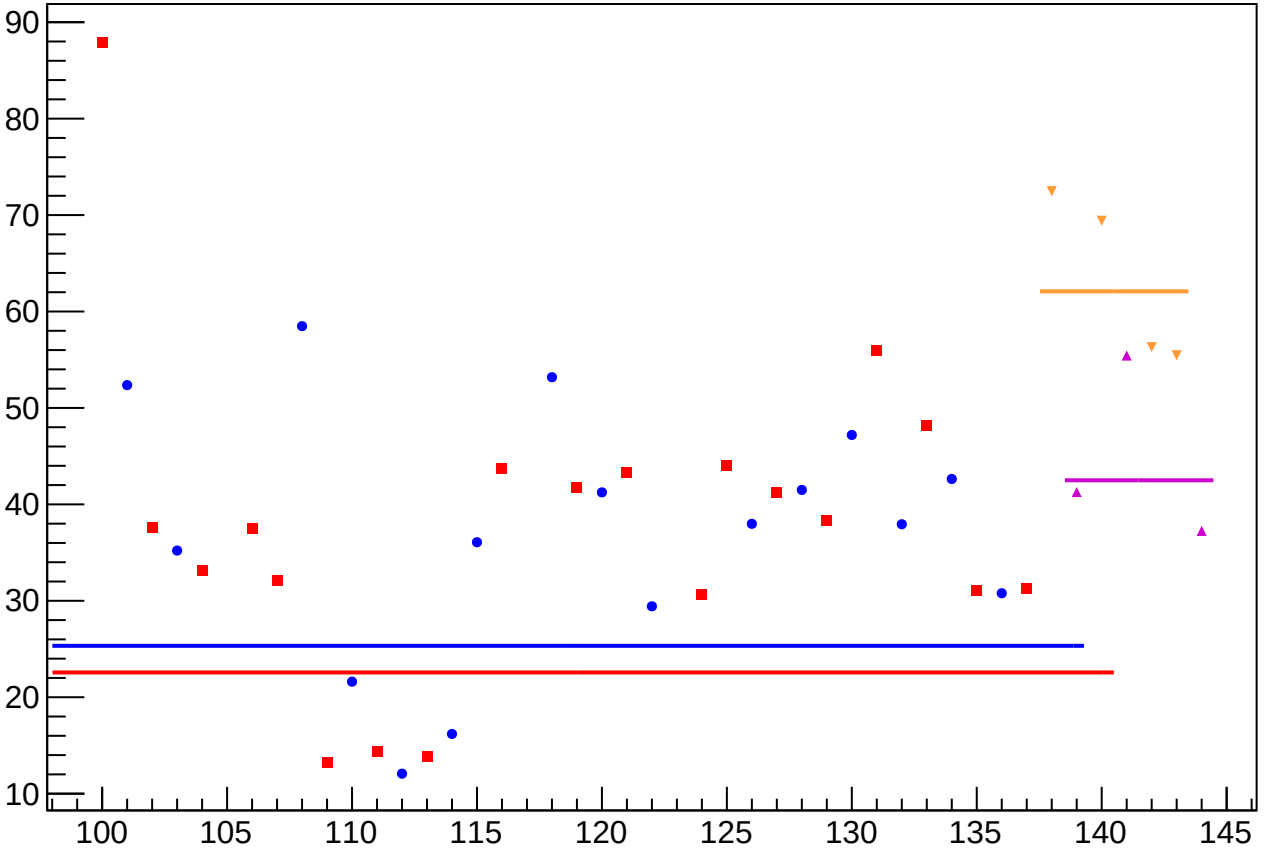
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.4/18

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.004+/-0.007 χ^2/NDF: 51.3/41

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: 62.092+/-0.027 χ^2/NDF:77957.6/3

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.498+/-0.019 χ^2/NDF:126685.4/2

Left: 49.241+/-0.016 χ^2/NDF: 553396.3/6

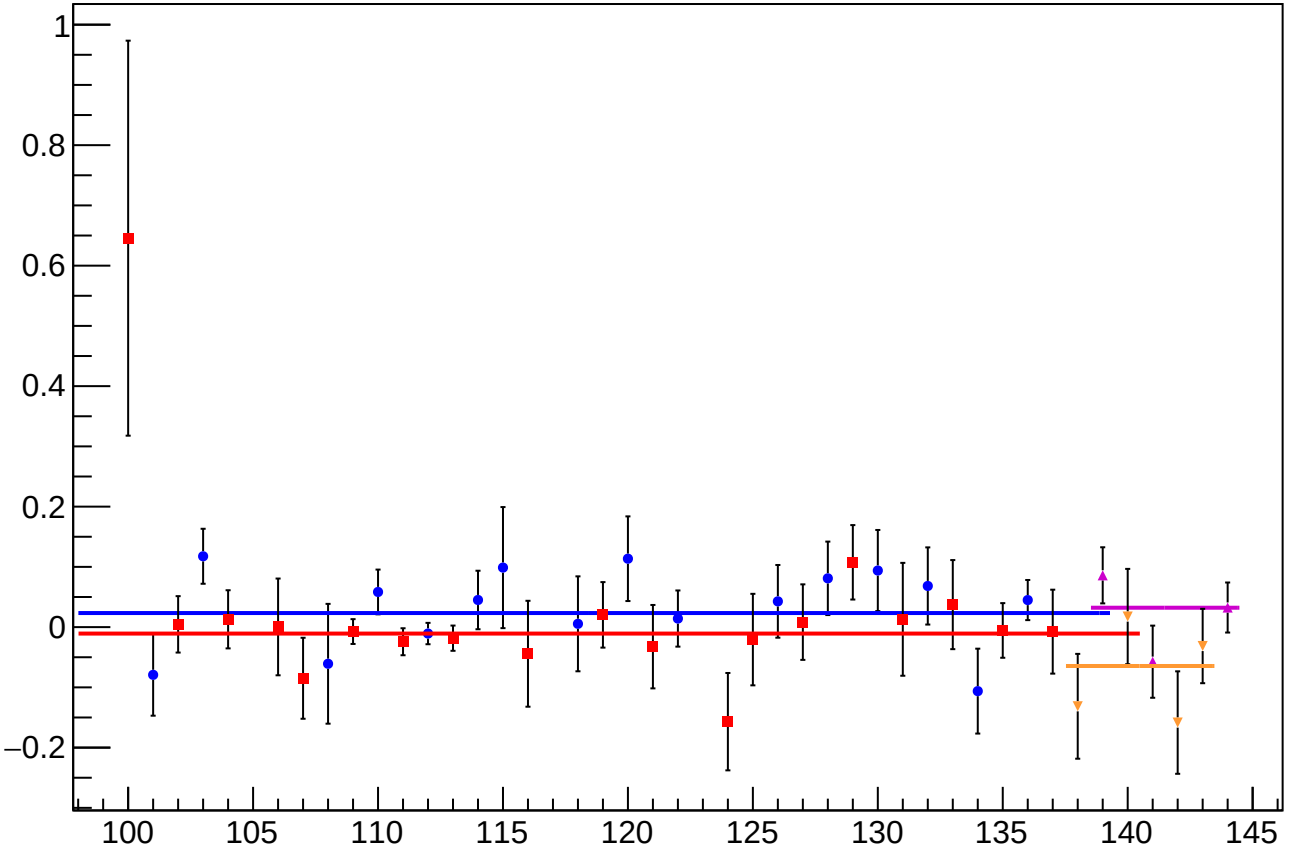
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 27.722+/-0.007 χ^2/NDF:3721803.4/18

Out: 25.037+/-0.007 χ^2/NDF:5246415.6/22

All: 26.274+/-0.005 χ^2/NDF: 9041963.1/41

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: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.028 χ^2/NDF:3.6/2

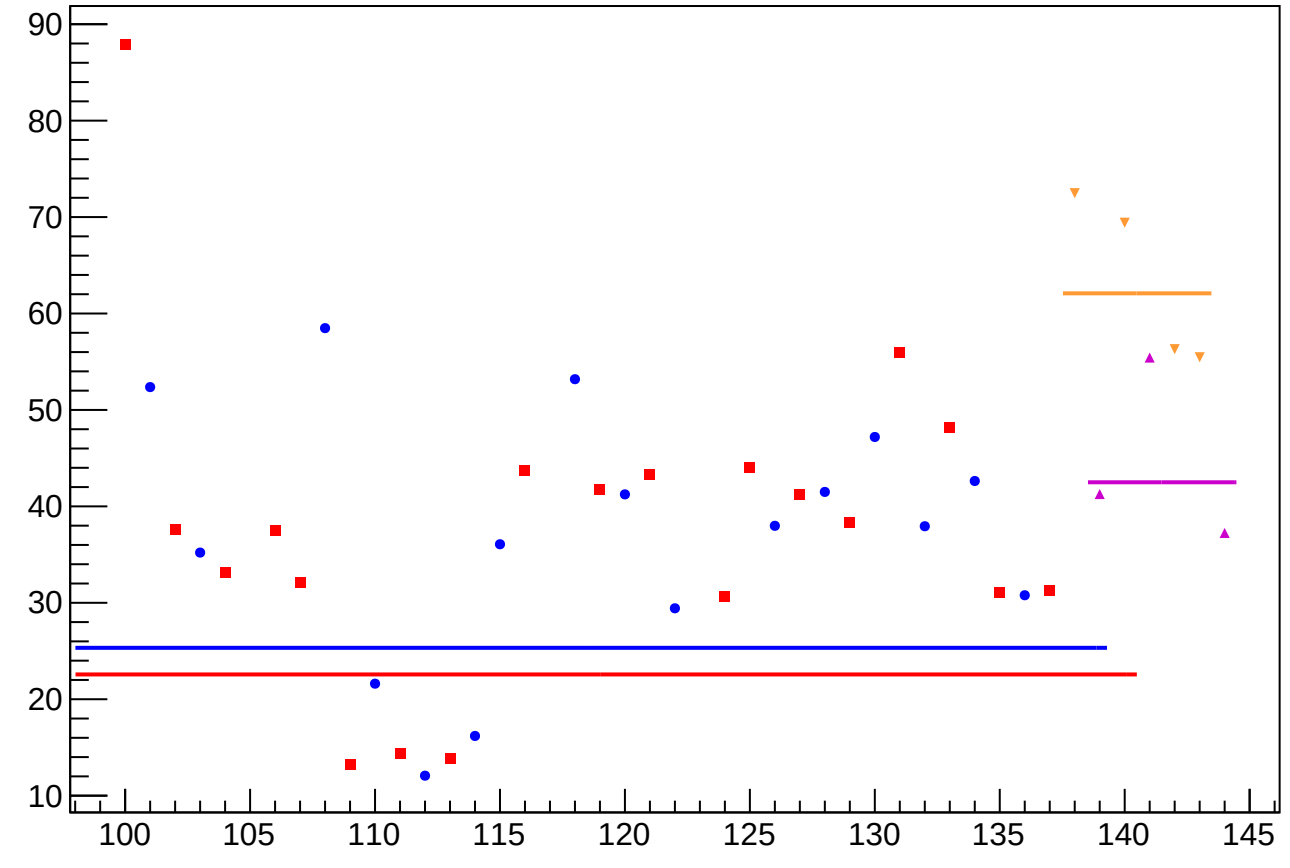
Left: -0.001+/-0.022 χ^2/NDF: 11.0/6

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.4/18

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.004+/-0.007 χ^2/NDF: 51.3/41



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 62.092+/-0.027 χ^2/NDF:77957.6/3

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.498+/-0.019 χ^2/NDF:126685.4/2

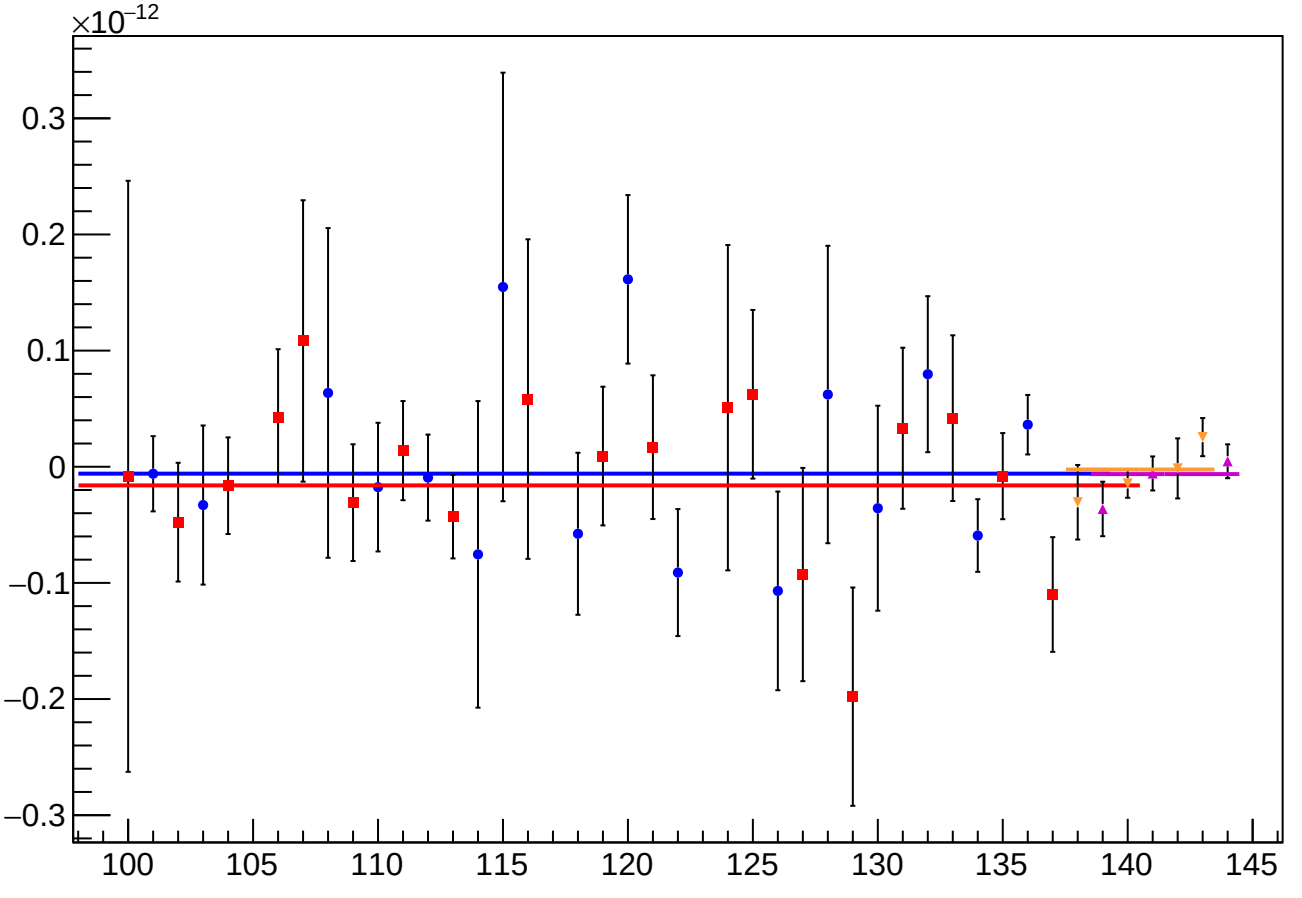
Left: 49.241+/-0.016 χ^2/NDF: 553396.3/6

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 27.722+/-0.007 χ^2/NDF:3721803.4/18

Out: 25.037+/-0.007 χ^2/NDF:5246415.6/22

All: 26.274+/-0.005 χ^2/NDF: 9041963.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/2

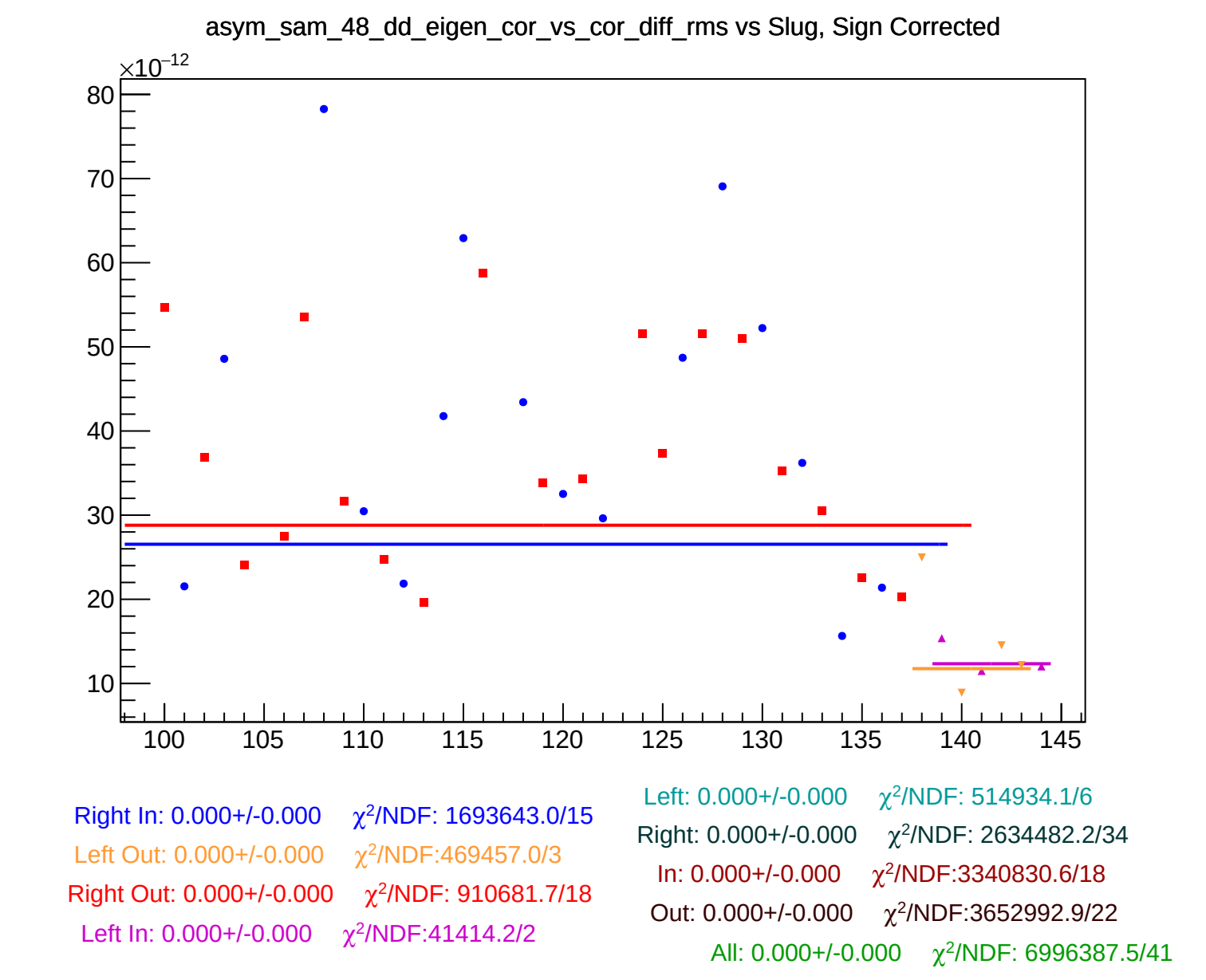
Left: -0.000+/-0.000 χ^2/NDF: 6.9/6

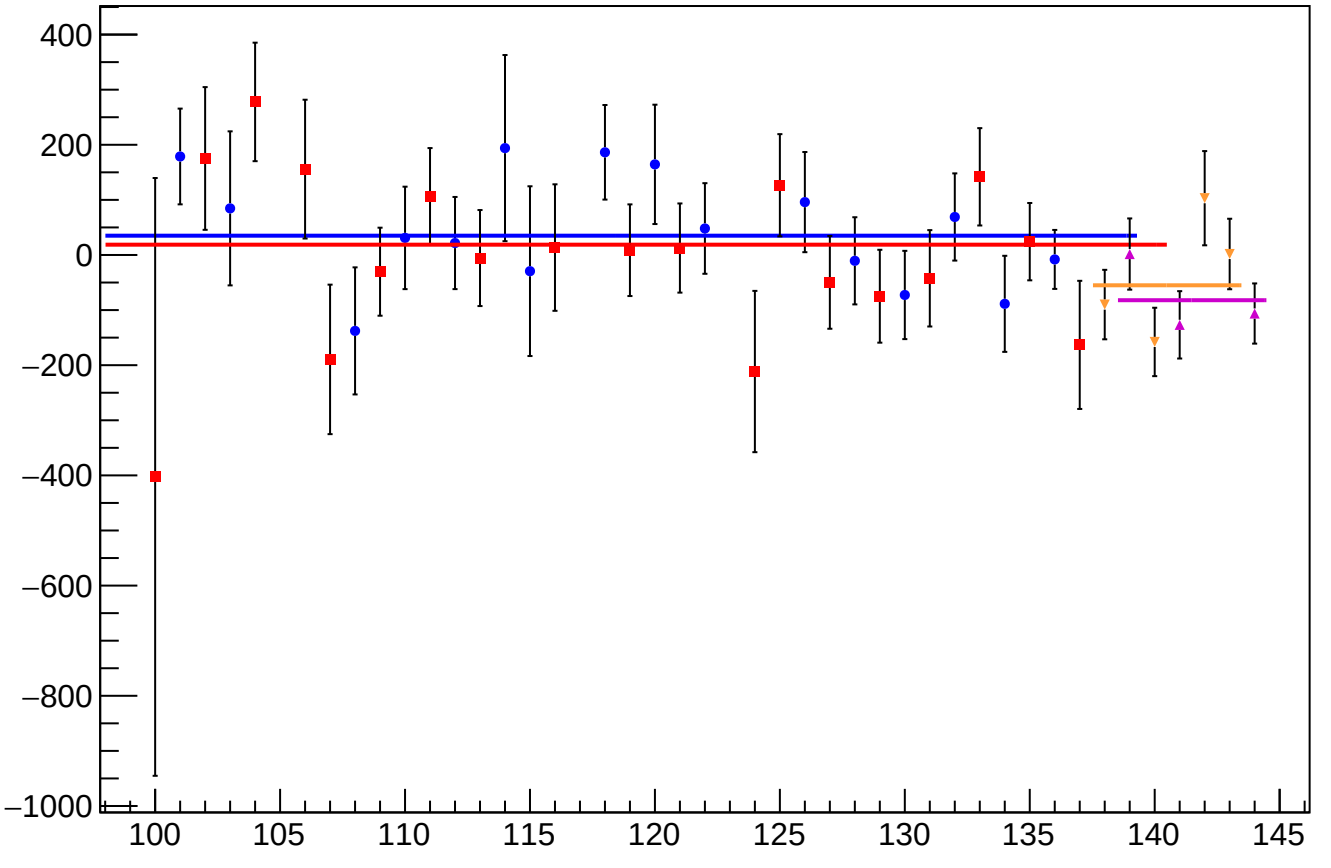
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:21.0/18

Out: -0.000+/-0.000 χ^2/NDF:20.3/22

All: -0.000+/-0.000 χ^2/NDF: 41.3/41


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:469457.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:41414.2/2
Left: 0.000+/-0.000 χ²/NDF: 514934.1/6
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:3340830.6/18
Out: 0.000+/-0.000 χ²/NDF:3652992.9/22
All: 0.000+/-0.000 χ²/NDF: 6996387.5/41



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.008+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -82.087+/-34.454 χ^2/NDF:2.4/2

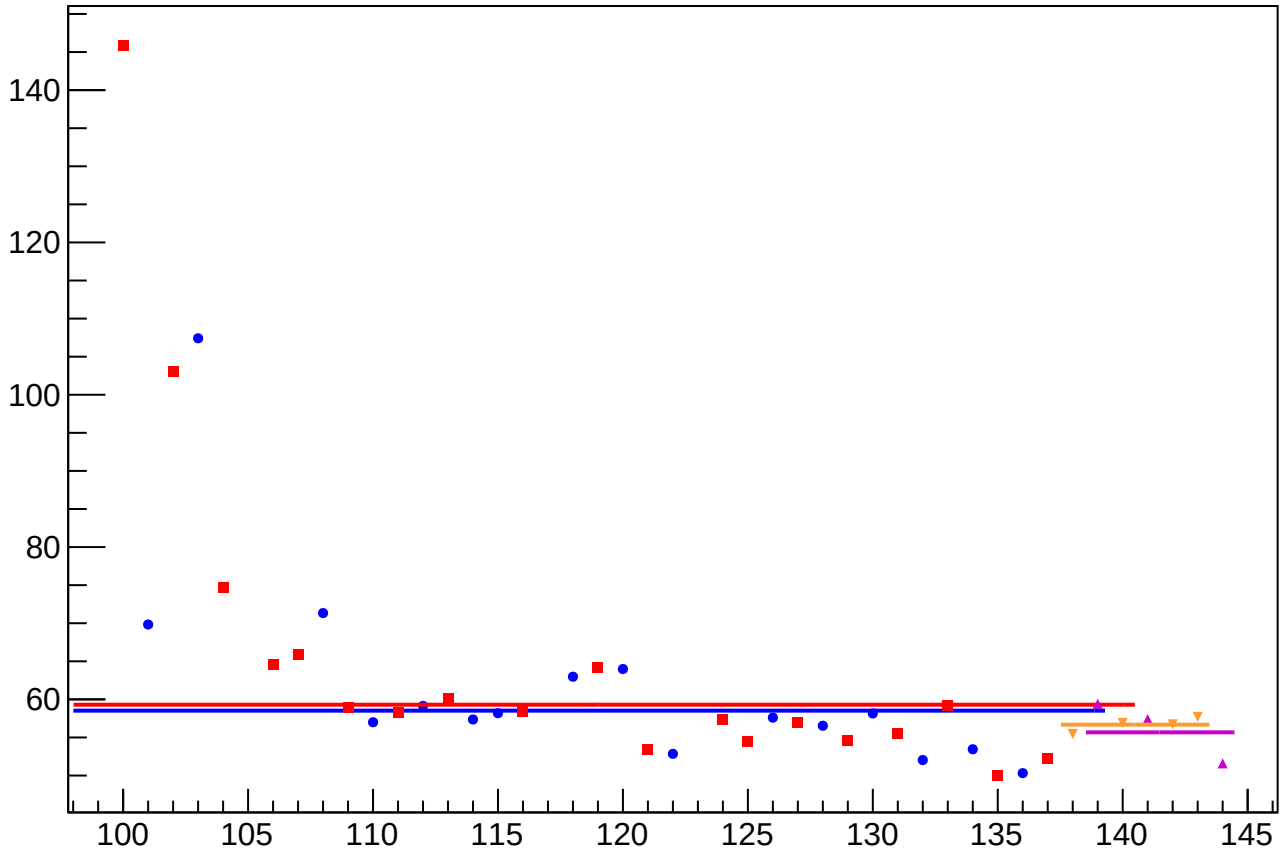
Left: -68.157+/-24.009 χ^2/NDF: 10.0/6

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: 0.807+/-18.623 χ^2/NDF:26.8/18

Out: -3.733+/-18.465 χ^2/NDF:34.1/22

All: -1.482+/-13.112 χ^2/NDF: 60.9/41



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

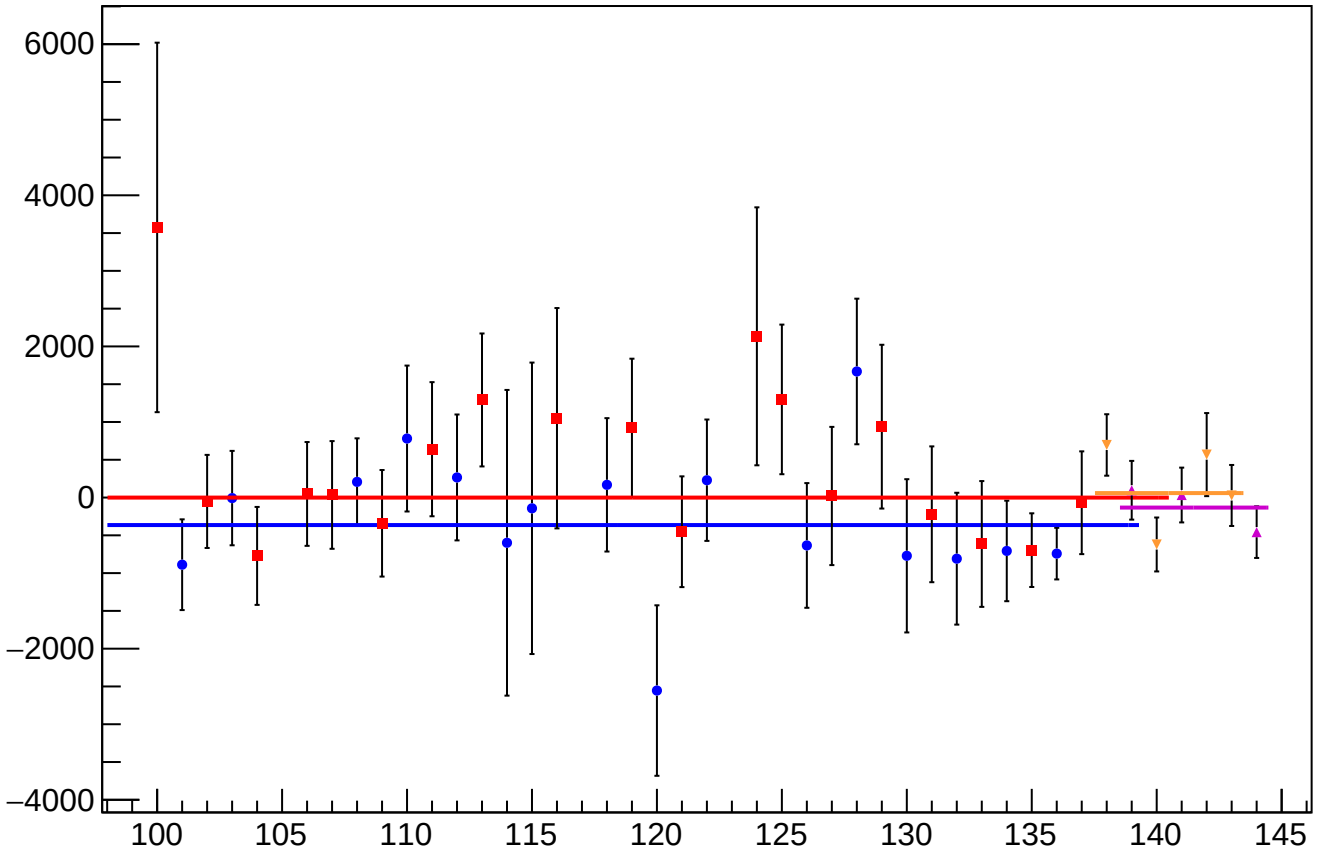
Left: 56.192+/-0.017 χ^2/NDF: 21658.0/6

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.689+/-0.013 χ^2/NDF:421905.1/18

Out: 58.504+/-0.013 χ^2/NDF:416422.0/22

All: 58.100+/-0.009 χ^2/NDF: 840260.2/41



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: 59.104+/-206.970 χ^2/NDF:6.9/3

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -132.778+/-209.438 χ^2/NDF:1.5/2

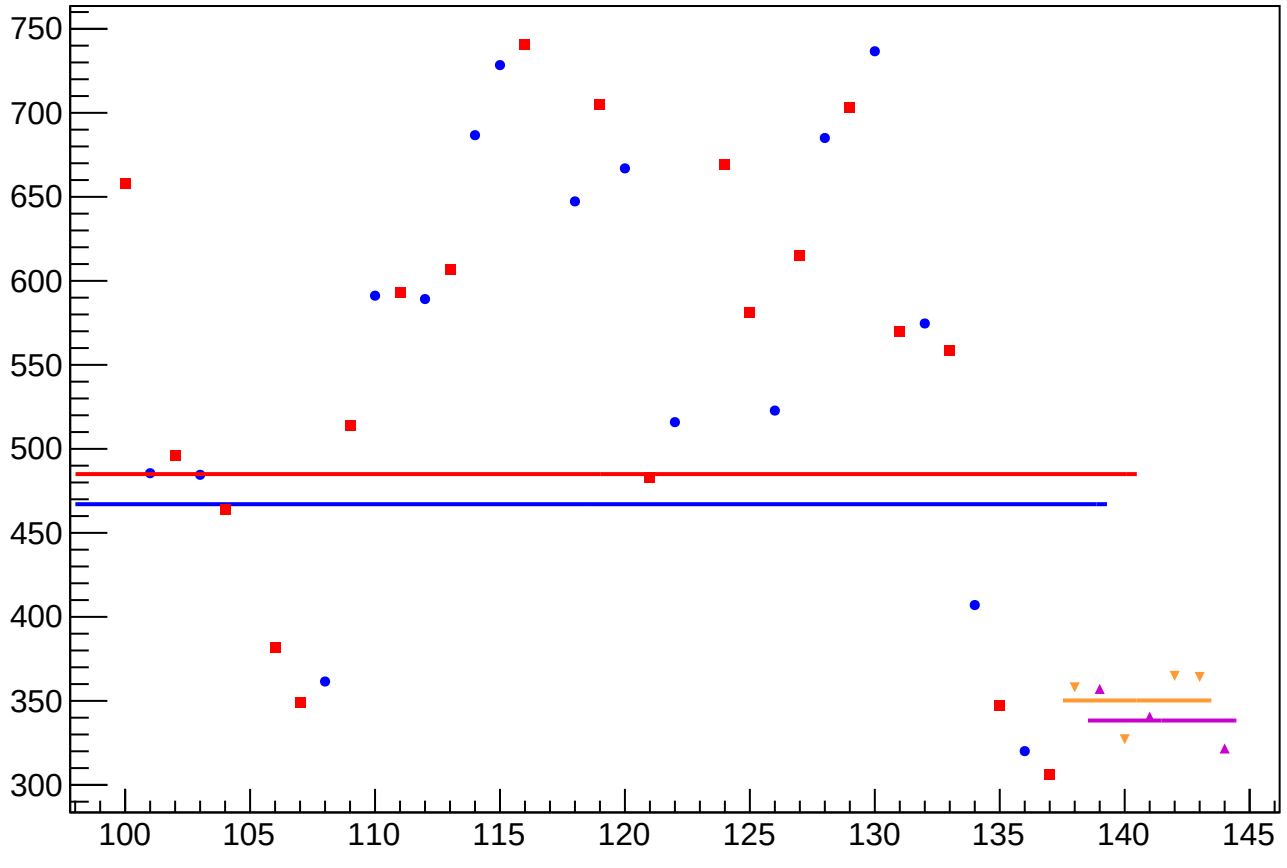
Left: -35.700+/-147.215 χ^2/NDF: 8.8/6

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -265.435+/-136.772 χ^2/NDF:17.4/18

Out: 25.627+/-137.131 χ^2/NDF:22.1/22

All: -120.286+/-96.839 χ^2/NDF: 41.7/41



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 350.250+/-0.146 χ^2/NDF:12930.8/3

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 338.311+/-0.148 χ^2/NDF:9512.5/2

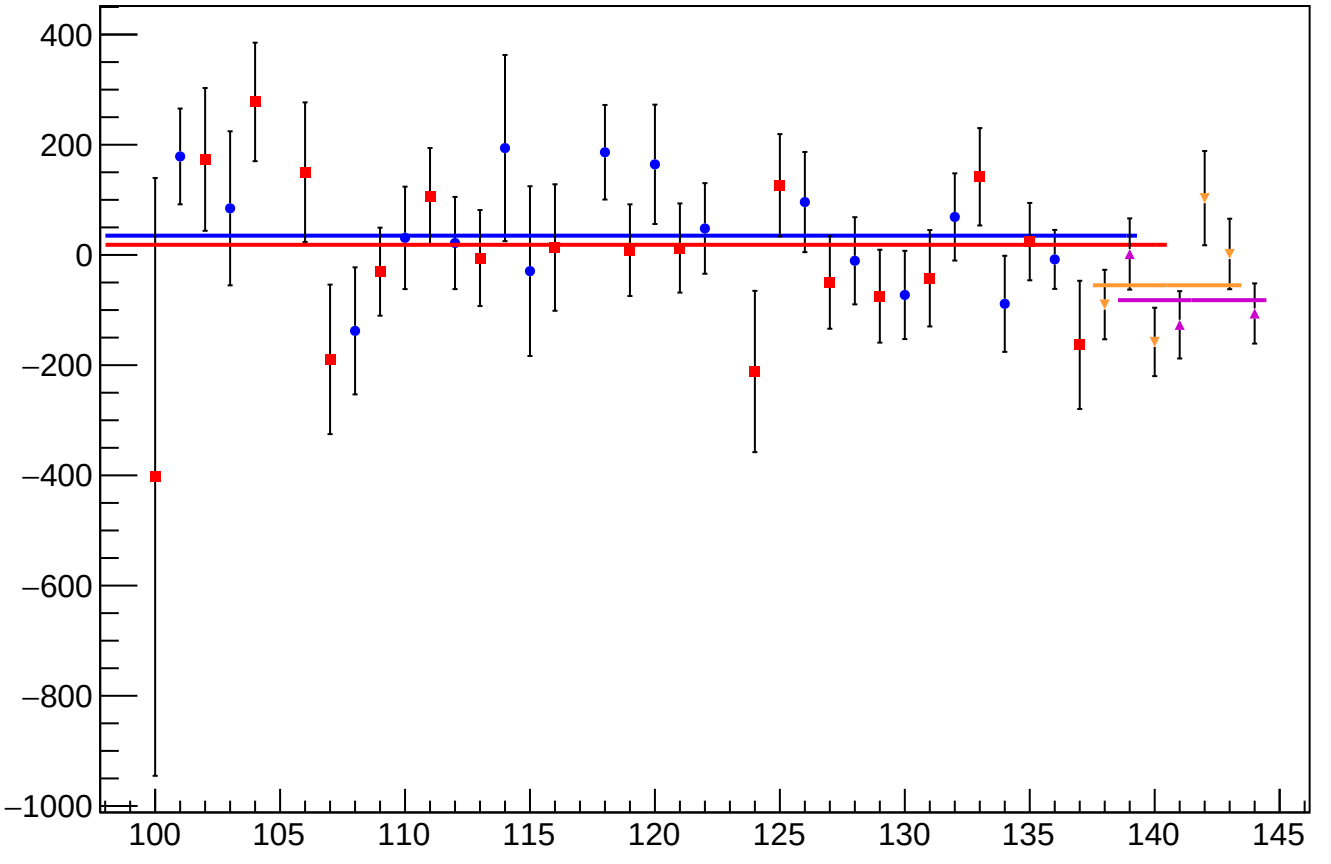
Left: 344.351+/-0.104 χ^2/NDF: 25731.2/6

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 412.157+/-0.097 χ^2/NDF:1473319.8/18

Out: 425.835+/-0.097 χ^2/NDF:1362503.3/22

All: 418.978+/-0.068 χ^2/NDF: 2845797.5/41



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -82.086+/-34.454 χ^2/NDF:2.4/2

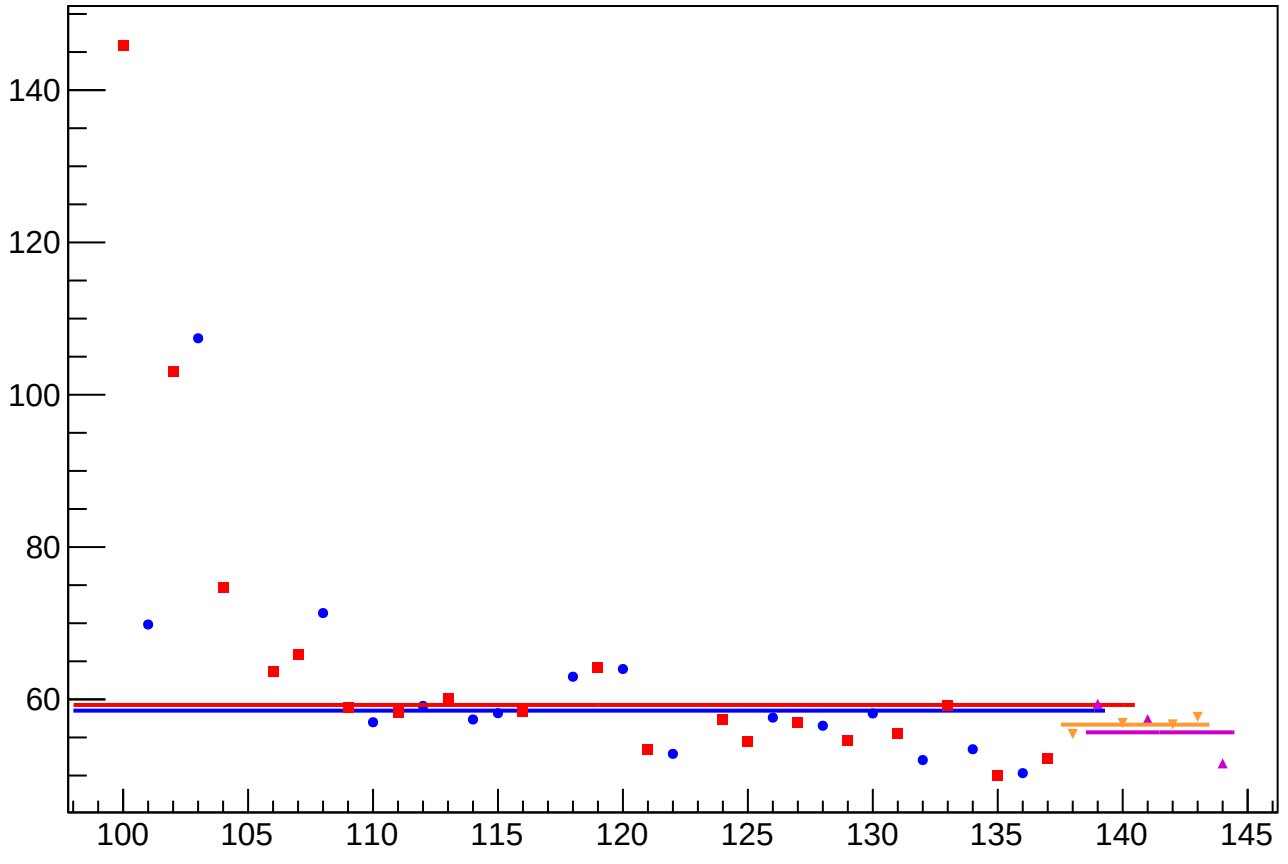
Left: -68.156+/-24.009 χ^2/NDF: 10.0/6

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 0.806+/-18.623 χ^2/NDF:26.8/18

Out: -3.928+/-18.467 χ^2/NDF:34.0/22

All: -1.581+/-13.113 χ^2/NDF: 60.8/41



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

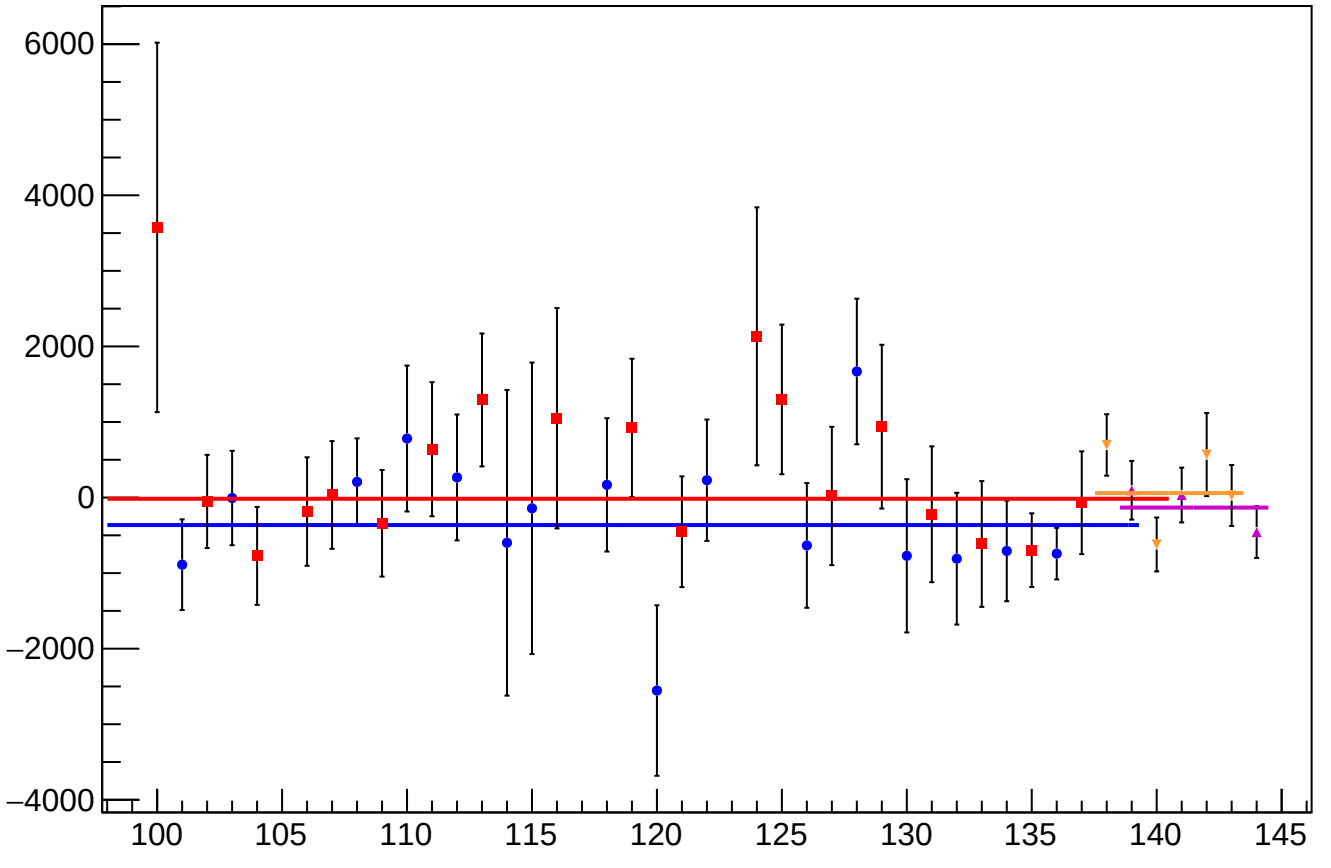
Left: 56.192+/-0.017 χ^2/NDF: 21658.0/6

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.689+/-0.013 χ^2/NDF:421907.2/18

Out: 58.482+/-0.013 χ^2/NDF:415220.1/22

All: 58.089+/-0.009 χ^2/NDF: 838955.7/41



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 59.099+/-206.970 χ^2/NDF:6.9/3

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -132.771+/-209.438 χ^2/NDF:1.5/2

Left: -35.699+/-147.215 χ^2/NDF: 8.8/6

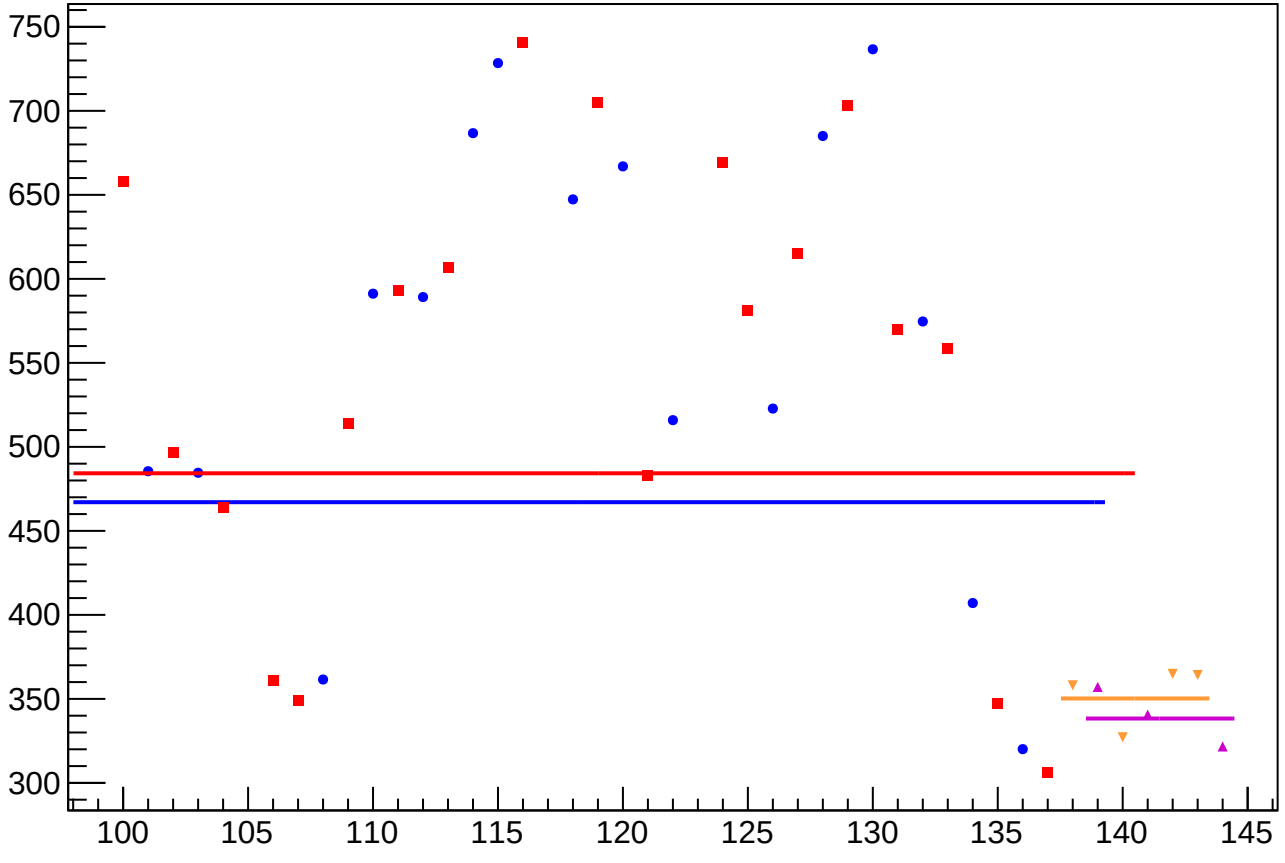
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -265.411+/-136.773 χ^2/NDF:17.4/18

Out: 17.033+/-137.368 χ^2/NDF:22.2/22

All: -124.802+/-96.923 χ^2/NDF: 41.7/41

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: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 338.311+/-0.148 χ^2/NDF:9512.4/2

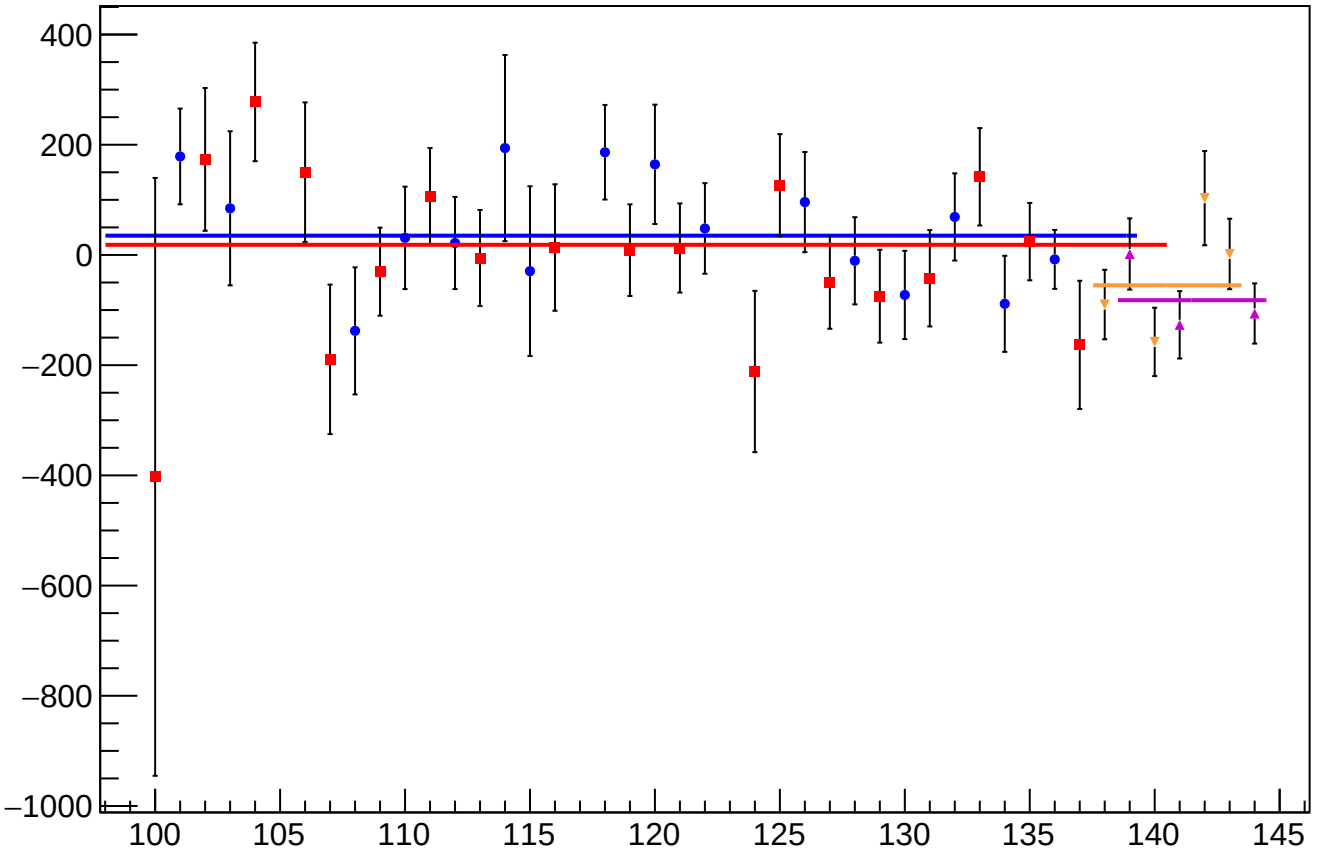
Left: 344.351+/-0.104 χ^2/NDF: 25731.4/6

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.159+/-0.097 χ^2/NDF:1473337.1/18

Out: 425.234+/-0.097 χ^2/NDF:1370941.5/22

All: 418.668+/-0.069 χ^2/NDF: 2853378.6/41



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -82.086+/-34.454 χ^2/NDF:2.4/2

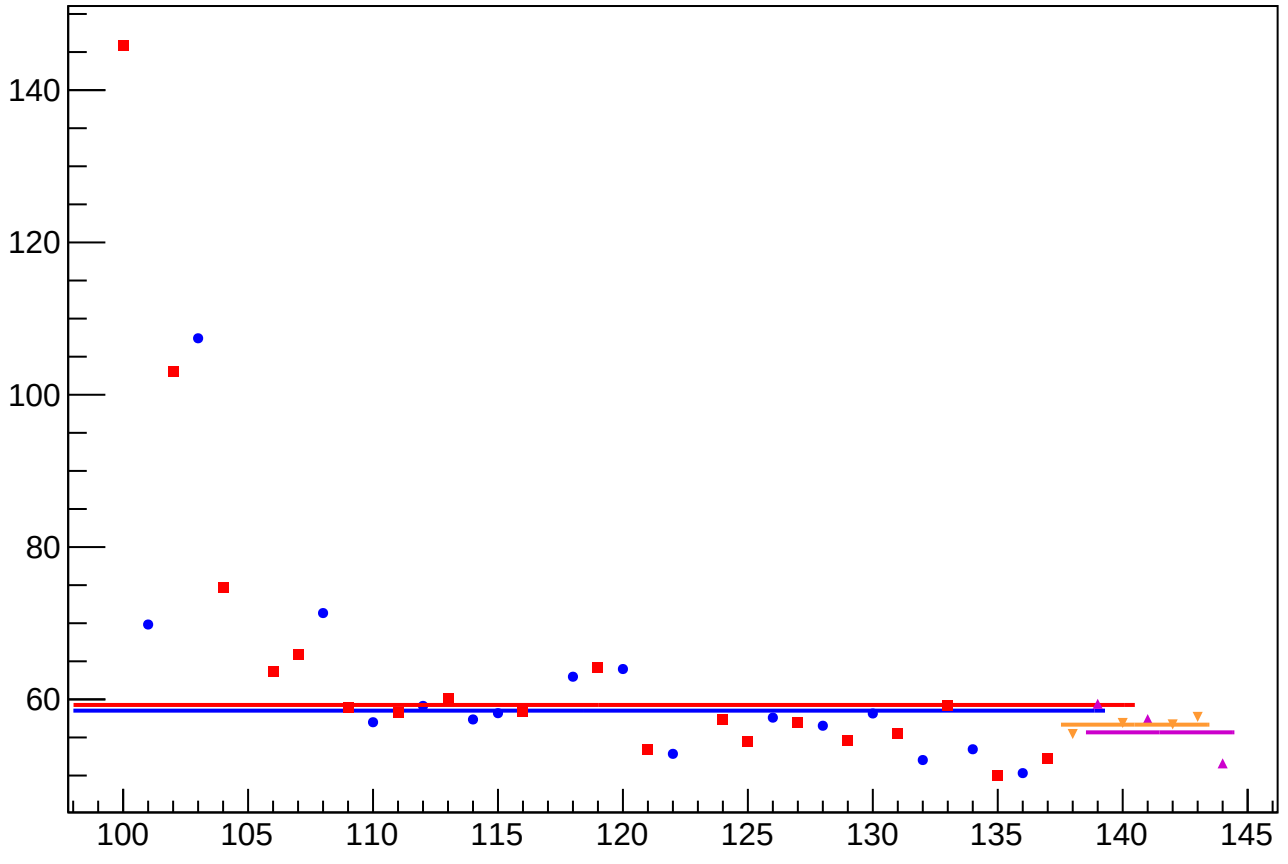
Left: -68.156+/-24.009 χ^2/NDF: 10.0/6

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 0.806+/-18.623 χ^2/NDF:26.8/18

Out: -3.928+/-18.467 χ^2/NDF:34.0/22

All: -1.581+/-13.113 χ^2/NDF: 60.8/41



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.672+/-0.024 χ^2/NDF:19478.5/2

Left: 56.192+/-0.017 χ^2/NDF: 21658.0/6

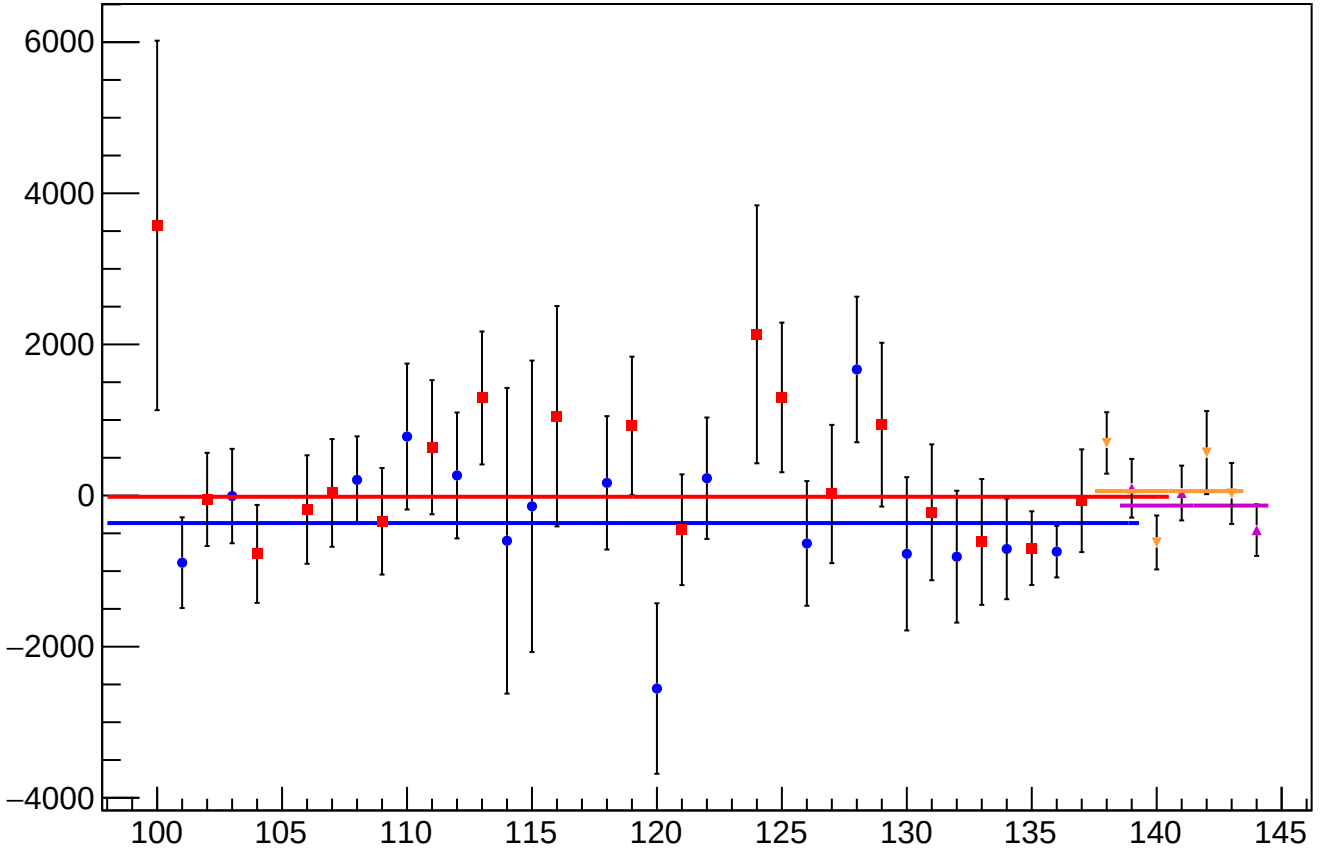
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.689+/-0.013 χ^2/NDF:421907.2/18

Out: 58.482+/-0.013 χ^2/NDF:415220.1/22

All: 58.089+/-0.009 χ^2/NDF: 838955.7/41

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: 59.099+/-206.970 χ^2/NDF:6.9/3

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -132.771+/-209.438 χ^2/NDF:1.5/2

Left: -35.699+/-147.215 χ^2/NDF: 8.8/6

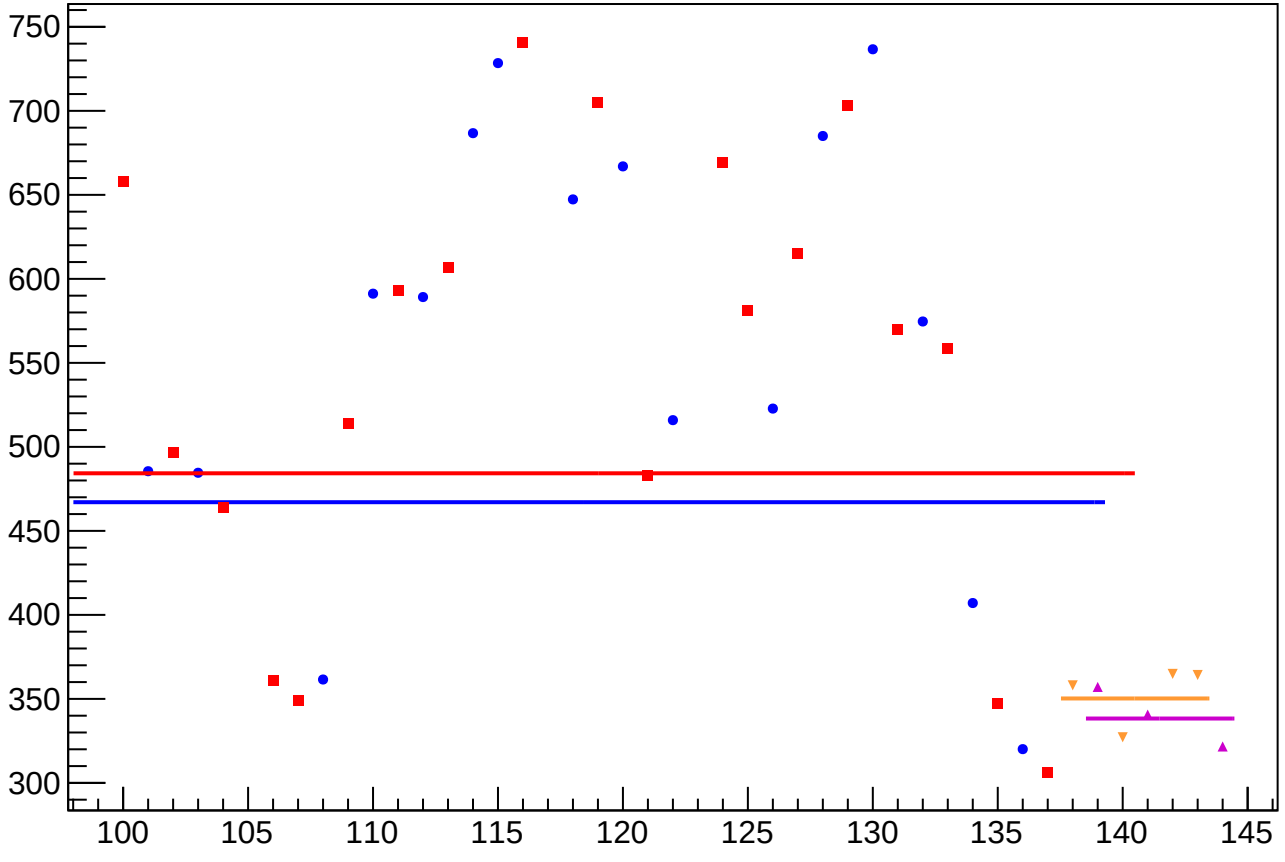
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -265.411+/-136.773 χ^2/NDF:17.4/18

Out: 17.033+/-137.368 χ^2/NDF:22.2/22

All: -124.802+/-96.923 χ^2/NDF: 41.7/41

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: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 338.311+/-0.148 χ^2/NDF:9512.4/2

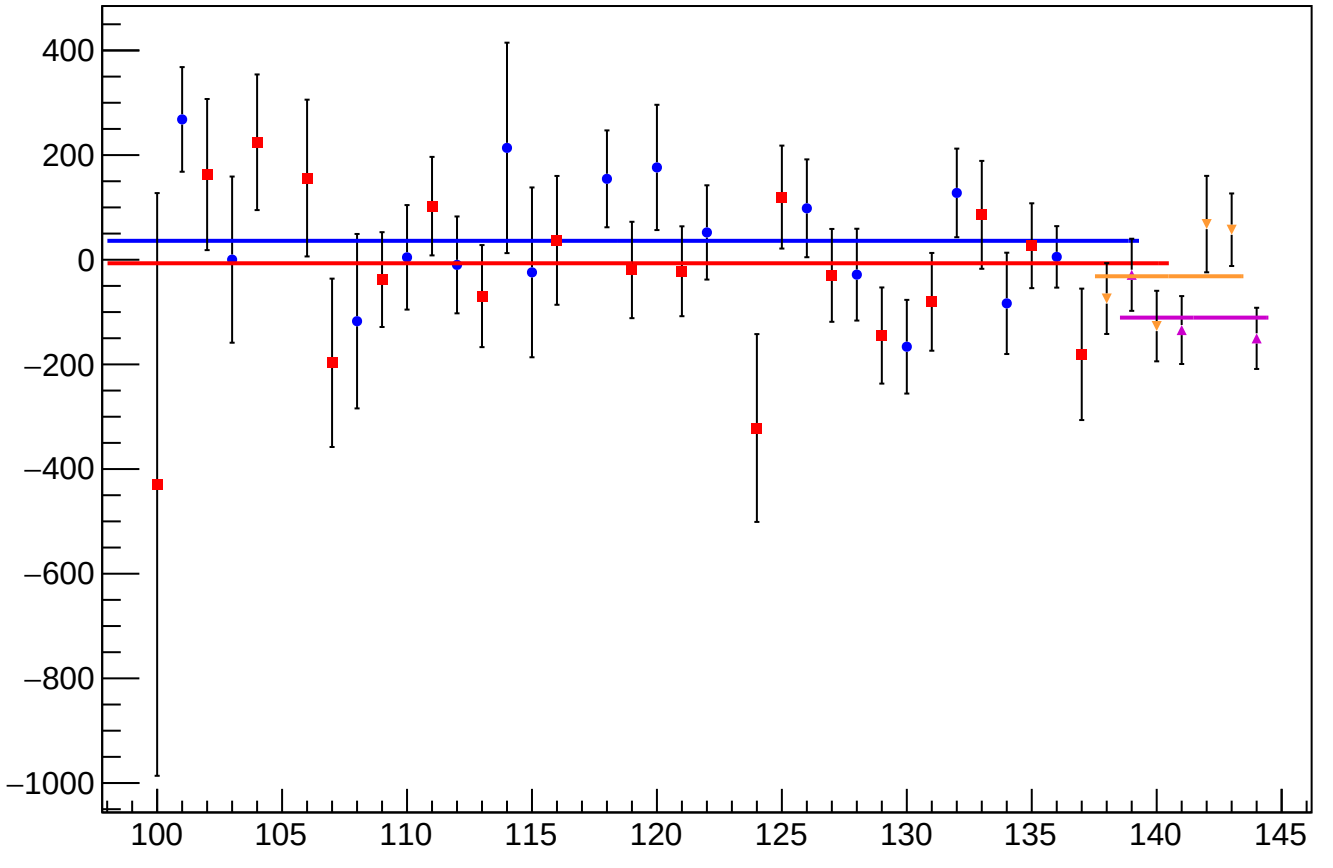
Left: 344.351+/-0.104 χ^2/NDF: 25731.4/6

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.159+/-0.097 χ^2/NDF:1473337.1/18

Out: 425.234+/-0.097 χ^2/NDF:1370941.5/22

All: 418.668+/-0.069 χ^2/NDF: 2853378.6/41



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.577+/-36.177 χ^2/NDF:5.2/3

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -110.596+/-36.748 χ^2/NDF:2.0/2

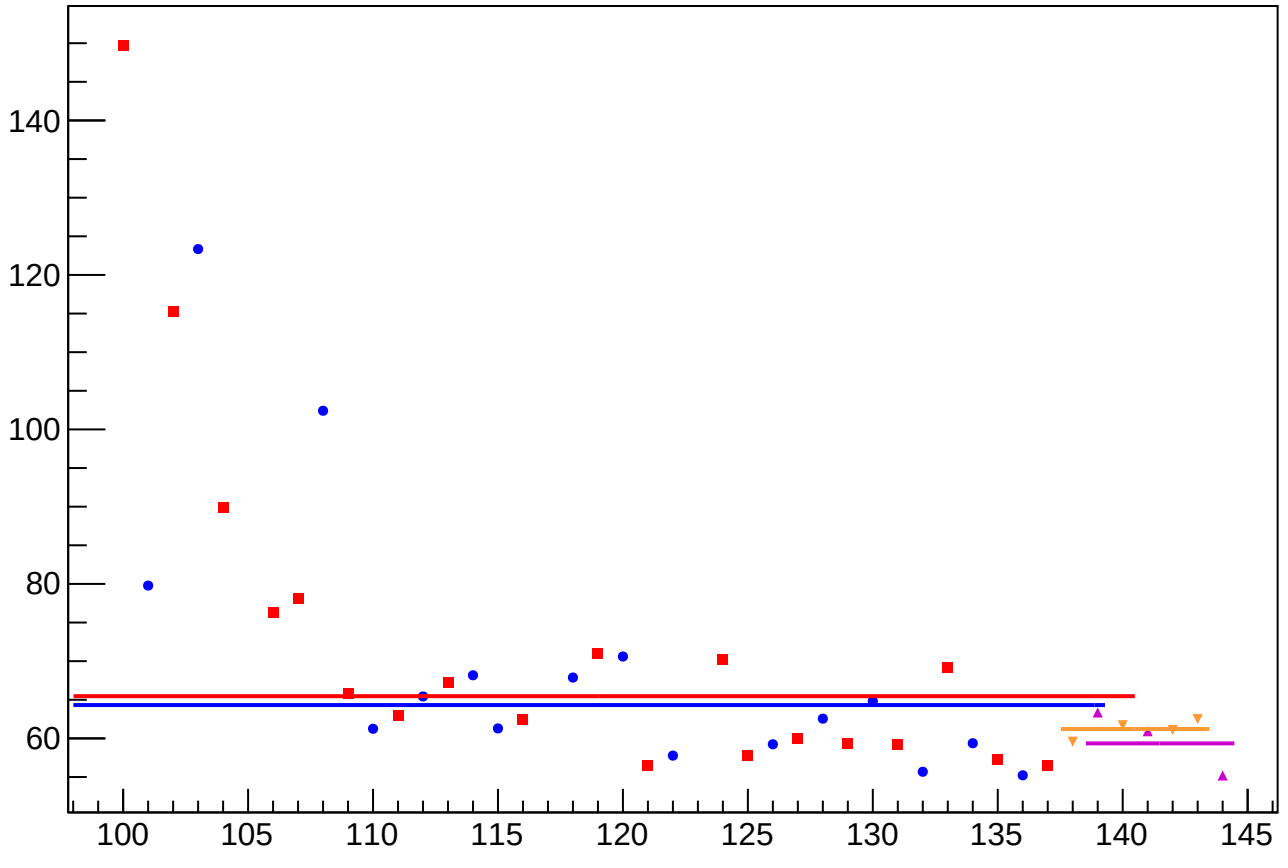
Left: -70.468+/-25.780 χ^2/NDF: 9.6/6

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -8.929+/-20.368 χ^2/NDF:32.7/18

Out: -14.574+/-20.323 χ^2/NDF:25.9/22

All: -11.758+/-14.386 χ^2/NDF: 58.6/41



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.1/3

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 59.357+/-0.026 χ^2/NDF:18021.4/2

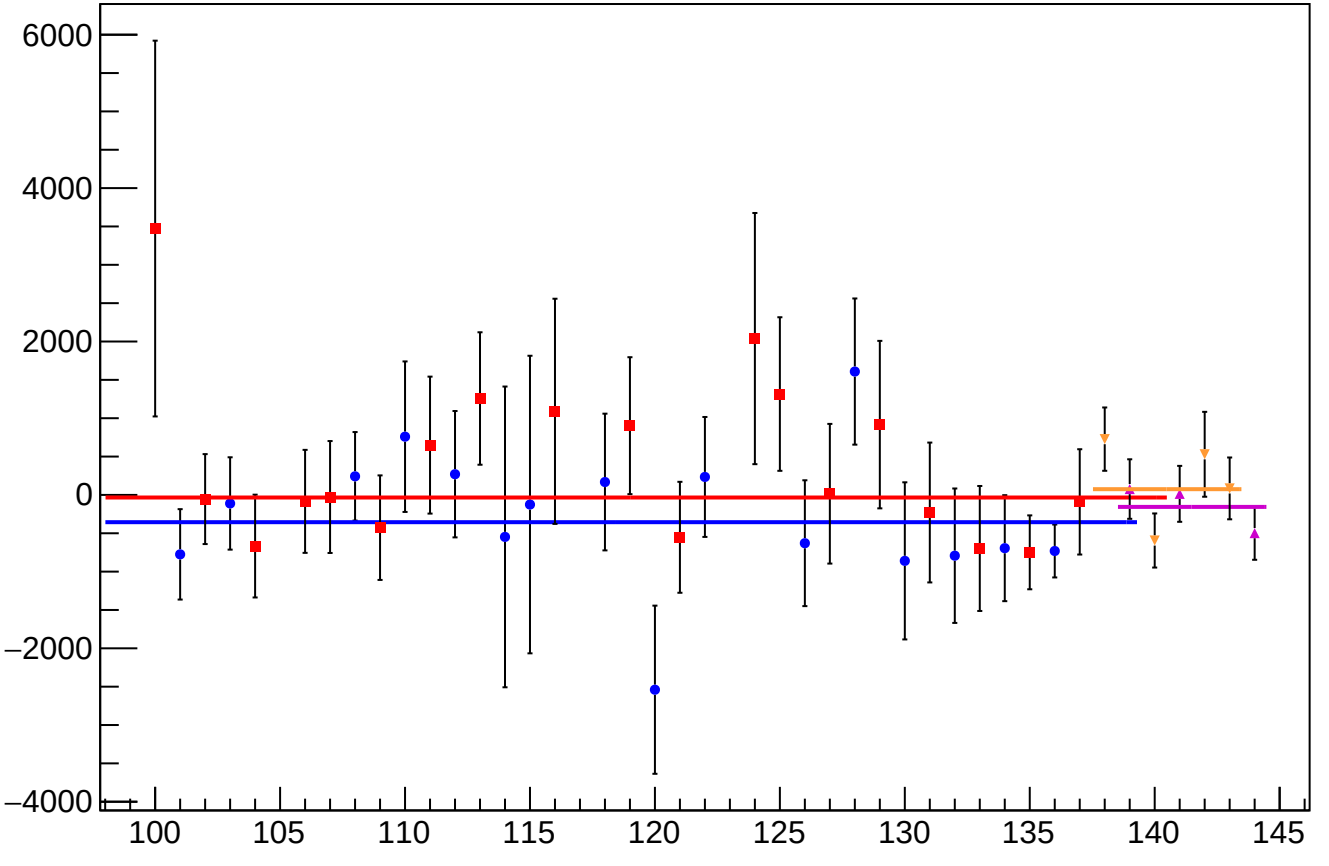
Left: 60.301+/-0.018 χ^2/NDF: 22594.2/6

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.793+/-0.014 χ^2/NDF:575318.4/18

Out: 64.125+/-0.014 χ^2/NDF:503226.3/22

All: 63.460+/-0.010 χ^2/NDF: 1082831.7/41



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 74.825+/-207.028 χ^2/NDF:6.8/3

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -156.213+/-211.151 χ^2/NDF:1.5/2

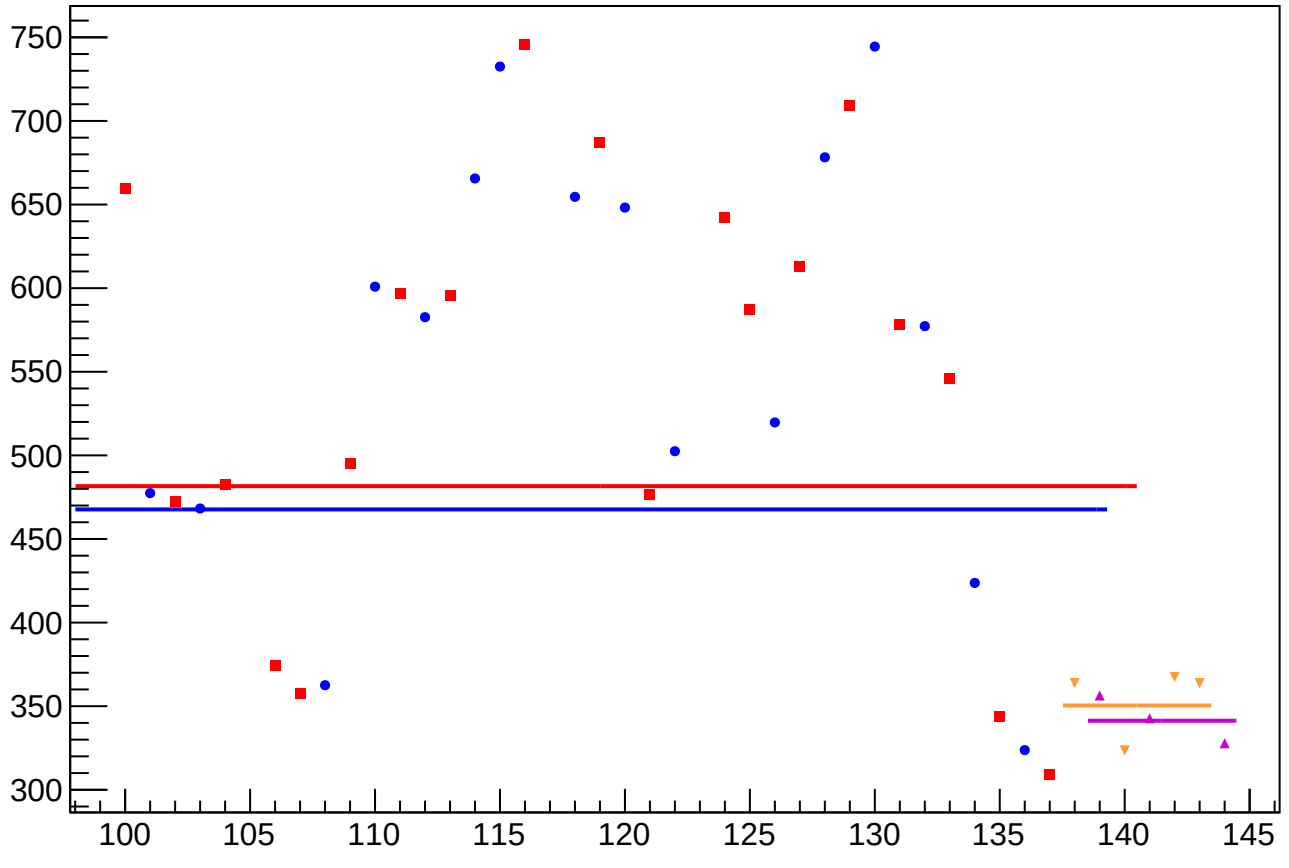
Left: -38.416+/-147.827 χ^2/NDF: 8.9/6

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -271.464+/-137.129 χ^2/NDF:16.9/18

Out: 13.432+/-136.504 χ^2/NDF:22.3/22

All: -128.365+/-96.743 χ^2/NDF: 41.4/41



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.438+/-0.146 χ^2/NDF:17831.3/3

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 341.304+/-0.149 χ^2/NDF:6052.5/2

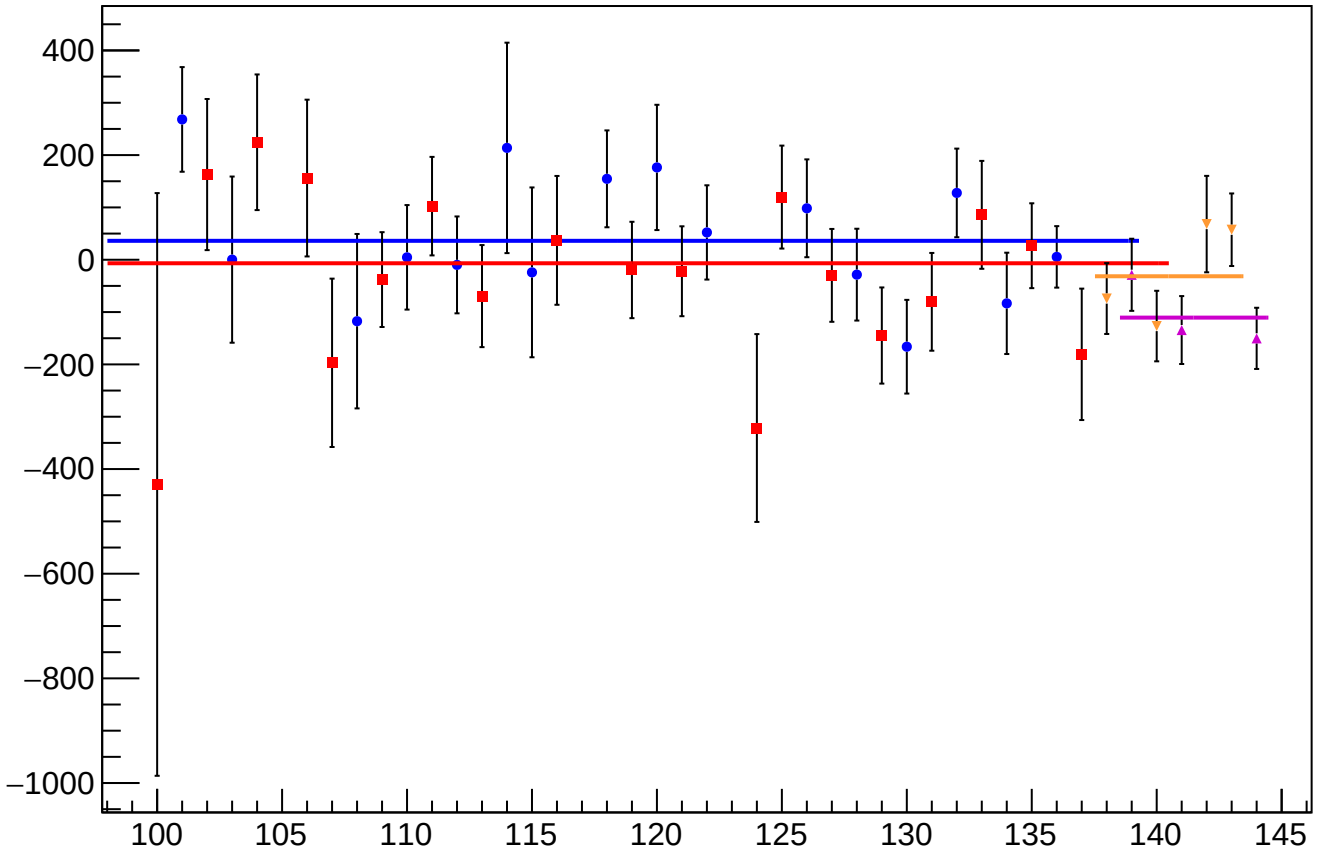
Left: 345.961+/-0.105 χ^2/NDF: 25791.9/6

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 414.376+/-0.097 χ^2/NDF:1406220.0/18

Out: 424.578+/-0.097 χ^2/NDF:1325876.2/22

All: 419.500+/-0.068 χ^2/NDF: 2737656.9/41



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.576+/-36.177 χ^2/NDF:5.2/3

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -110.596+/-36.748 χ^2/NDF:2.0/2

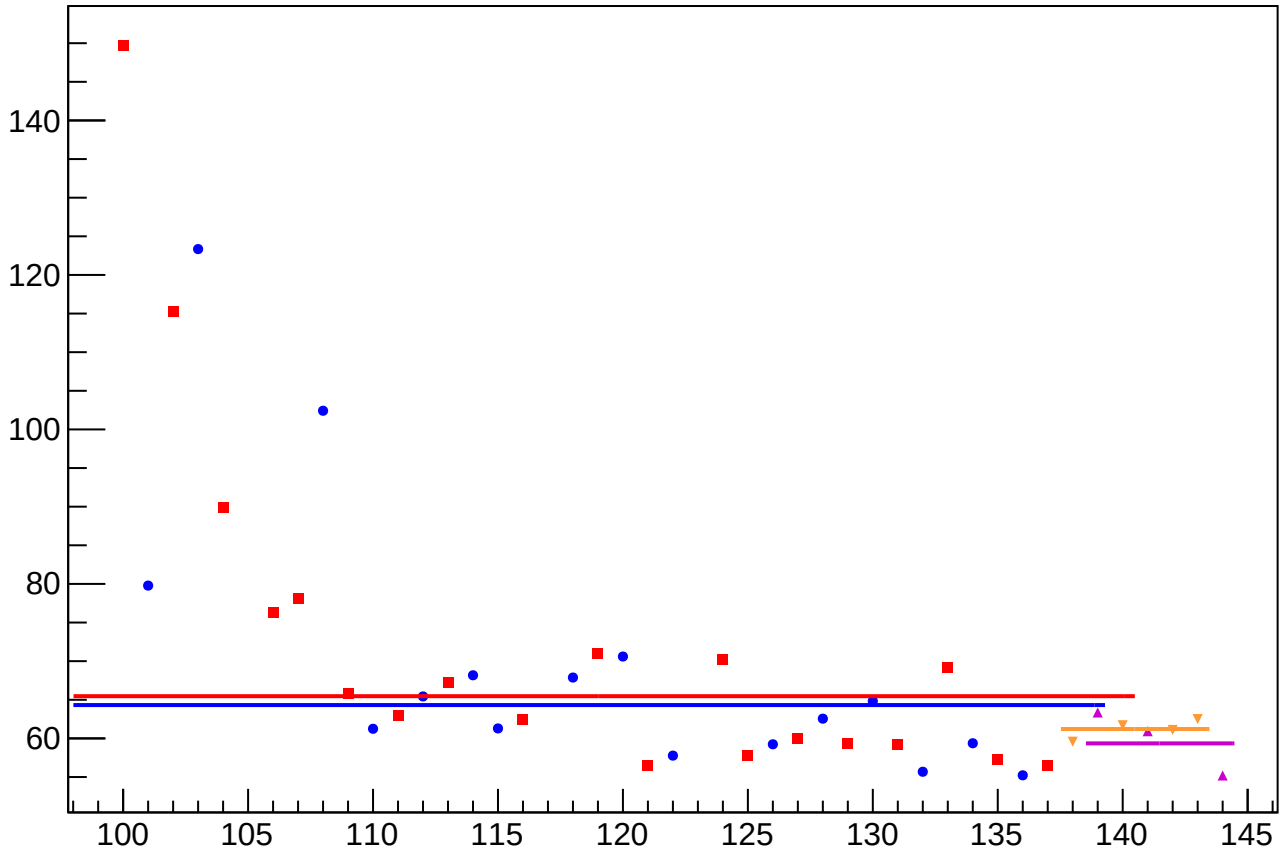
Left: -70.468+/-25.781 χ^2/NDF: 9.6/6

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -8.928+/-20.368 χ^2/NDF:32.7/18

Out: -14.574+/-20.323 χ^2/NDF:25.9/22

All: -11.757+/-14.386 χ^2/NDF: 58.6/41



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.0/3

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 59.357+/-0.026 χ^2/NDF:18022.1/2

Left: 60.301+/-0.018 χ^2/NDF: 22595.0/6

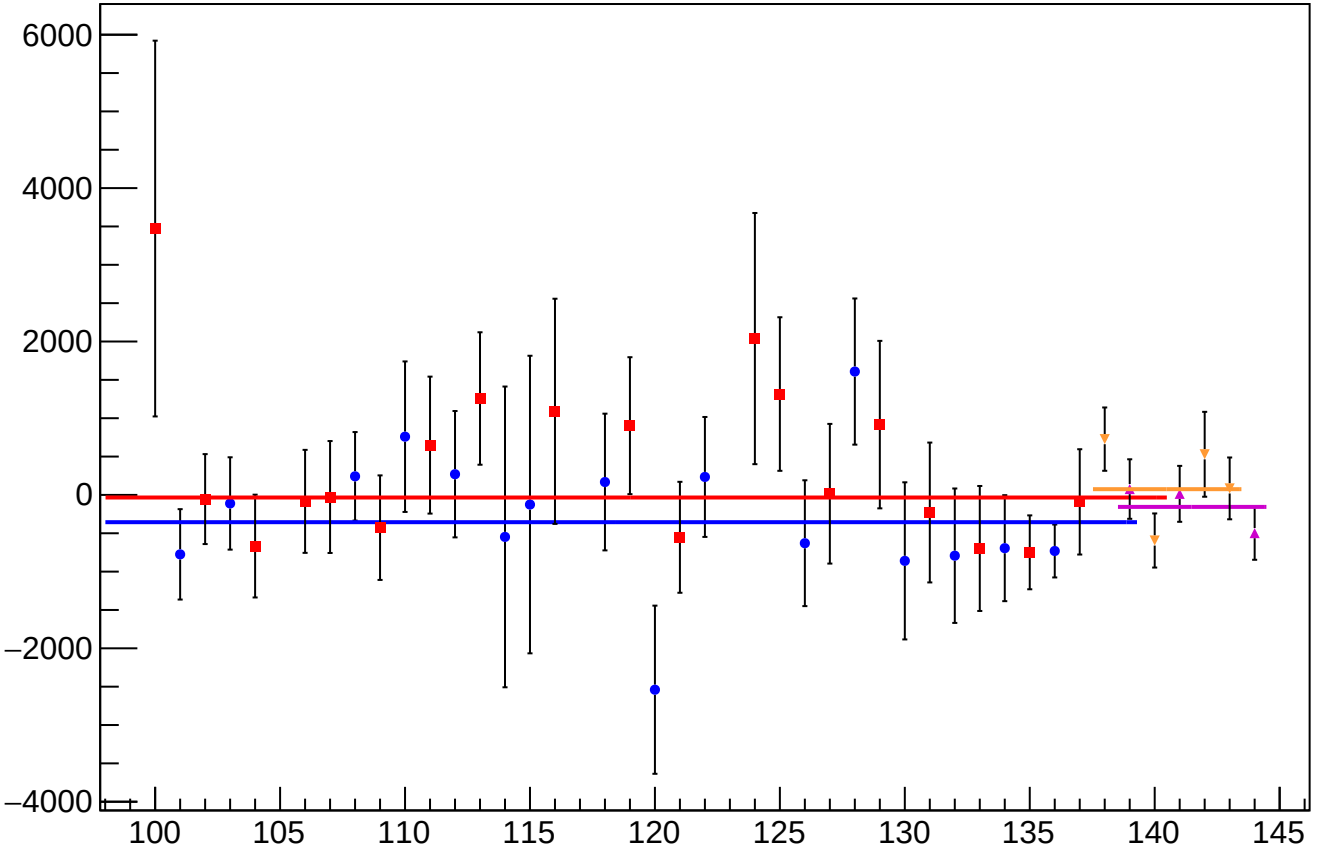
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.793+/-0.014 χ^2/NDF:575326.3/18

Out: 64.125+/-0.014 χ^2/NDF:503230.7/22

All: 63.460+/-0.010 χ^2/NDF: 1082844.2/41

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 74.825+/-207.028 χ^2/NDF:6.8/3

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -156.213+/-211.152 χ^2/NDF:1.5/2

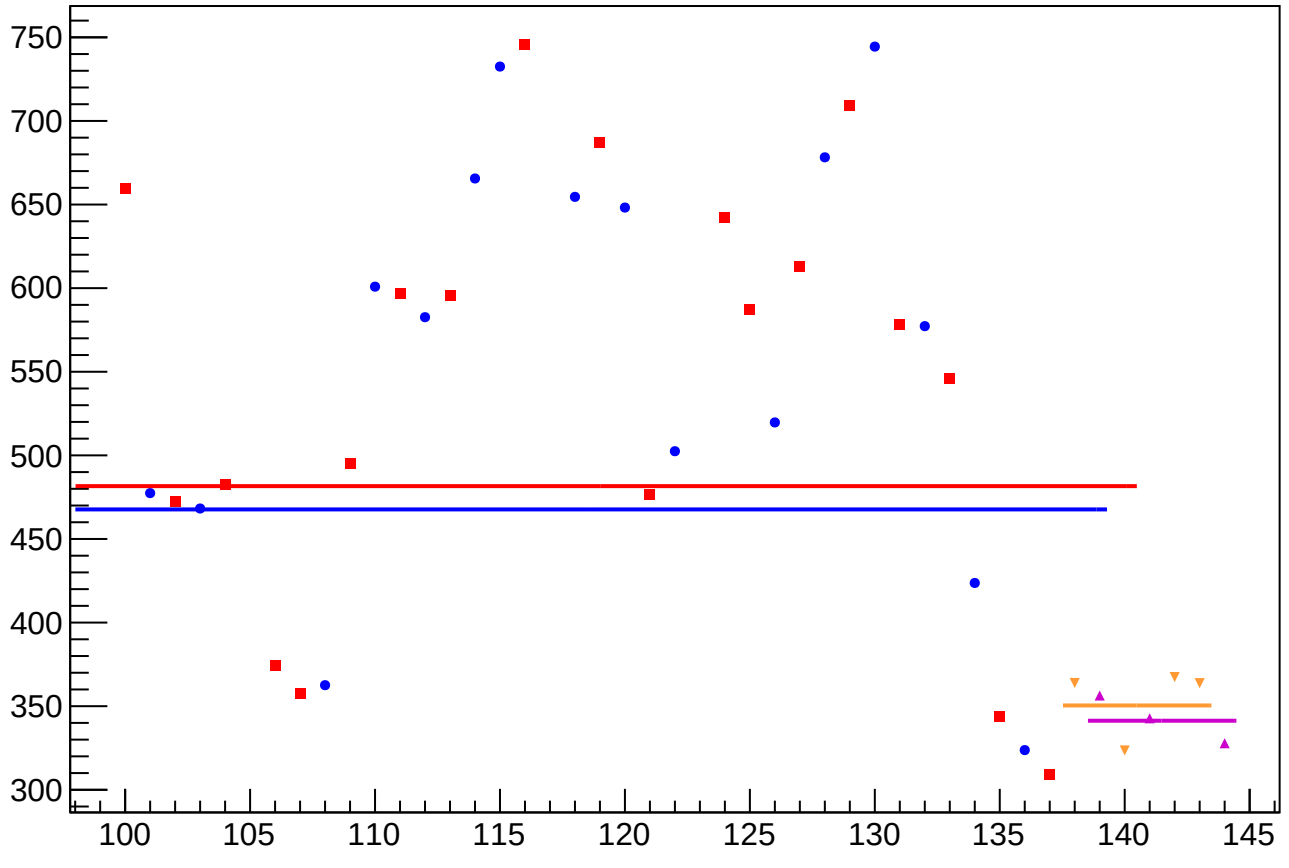
Left: -38.416+/-147.827 χ^2/NDF: 8.9/6

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -271.464+/-137.129 χ^2/NDF:16.9/18

Out: 13.431+/-136.504 χ^2/NDF:22.3/22

All: -128.365+/-96.743 χ^2/NDF: 41.4/41



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 350.438+/-0.146 χ^2/NDF:17831.0/3

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 341.305+/-0.149 χ^2/NDF:6052.8/2

Left: 345.962+/-0.105 χ^2/NDF: 25791.9/6

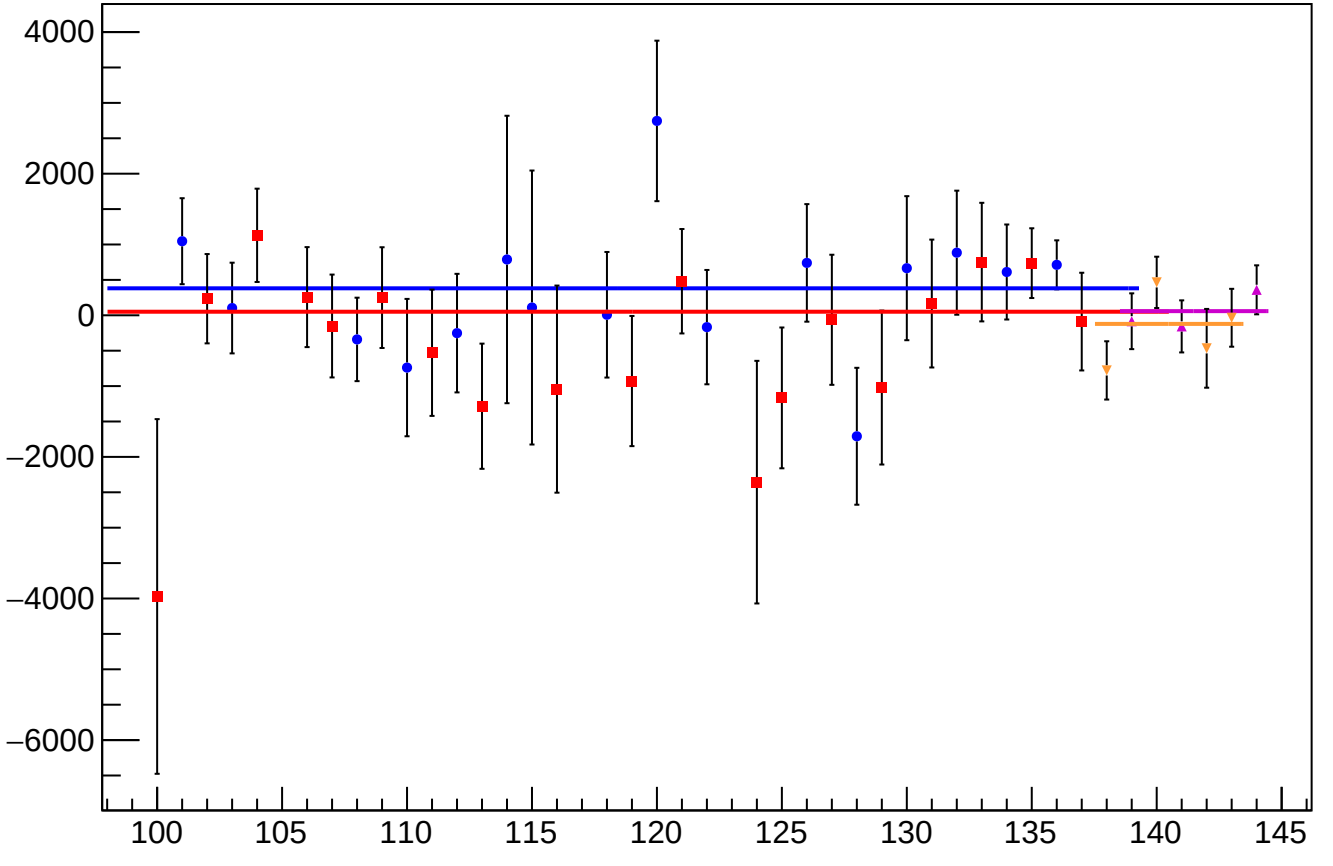
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 414.376+/-0.097 χ^2/NDF:1406214.8/18

Out: 424.578+/-0.097 χ^2/NDF:1325869.2/22

All: 419.500+/-0.068 χ^2/NDF: 2737644.5/41

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -121.700+/-209.717 χ^2/NDF:5.6/3

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 58.674+/-212.288 χ^2/NDF:1.2/2

Left: -32.611+/-149.193 χ^2/NDF: 7.2/6

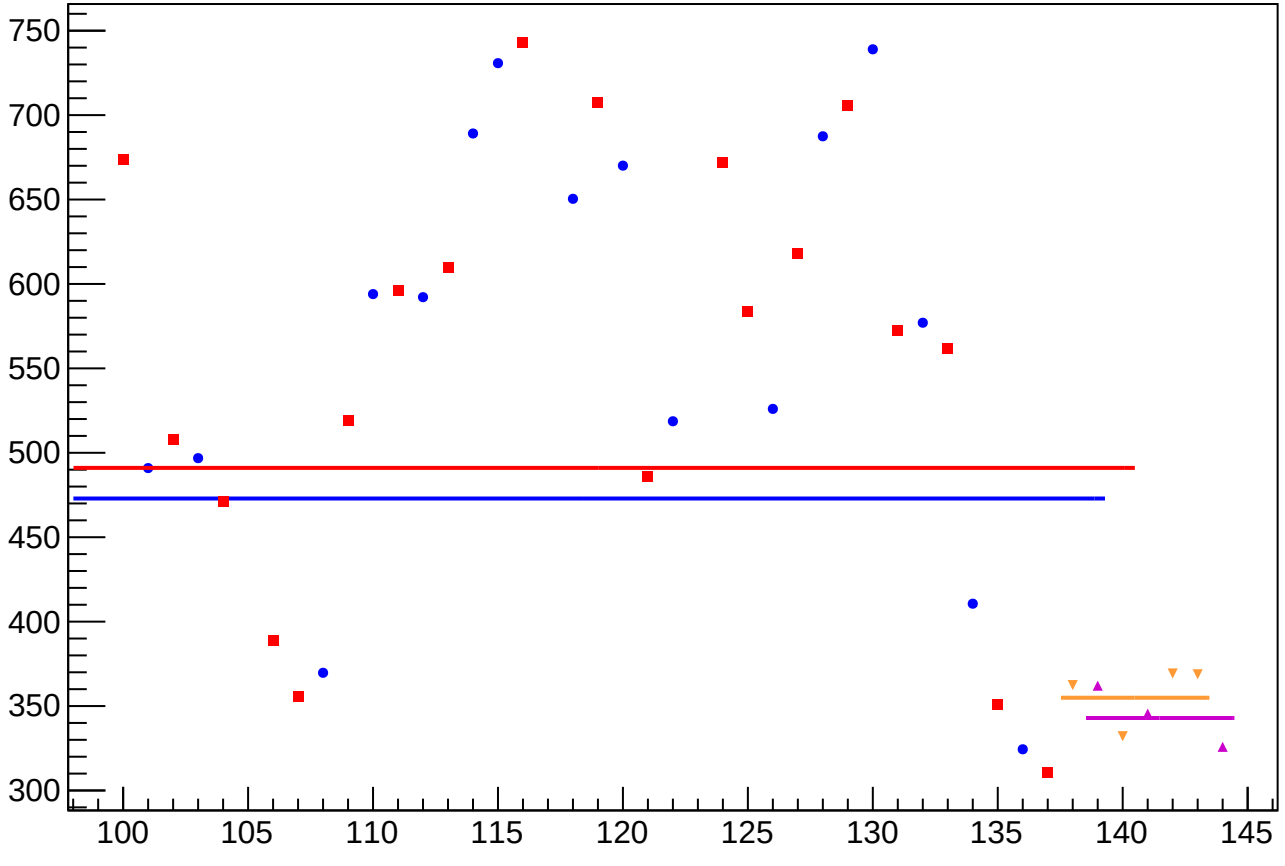
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 243.935+/-138.458 χ^2/NDF:18.7/18

Out: -25.039+/-138.845 χ^2/NDF:23.5/22

All: 109.823+/-98.041 χ^2/NDF: 44.0/41

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 354.930+/-0.148 χ^2/NDF:12213.5/3

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 342.931+/-0.150 χ^2/NDF:9683.4/2

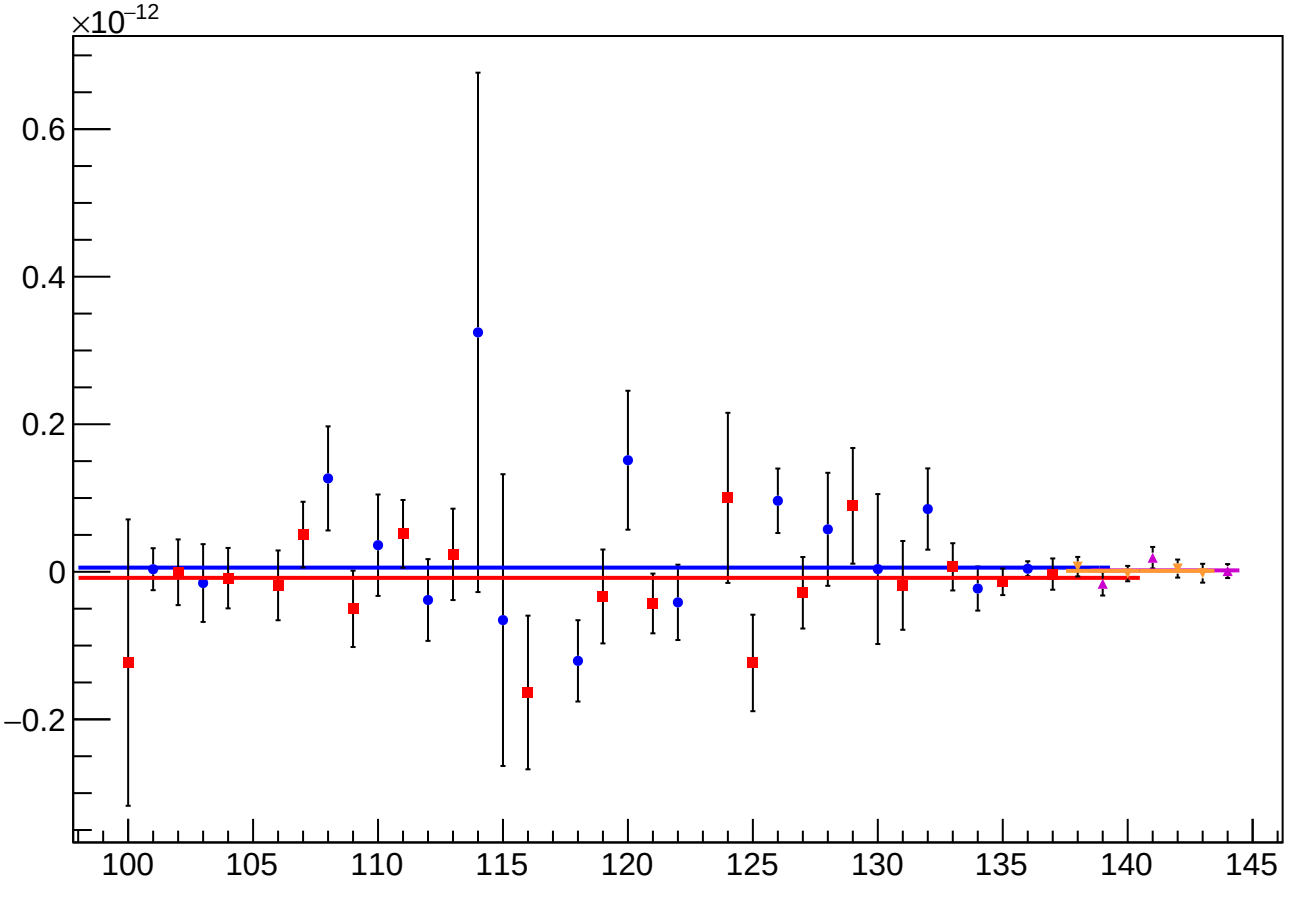
Left: 349.004+/-0.105 χ^2/NDF: 25130.6/6

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 417.626+/-0.098 χ^2/NDF:1440876.3/18

Out: 431.393+/-0.098 χ^2/NDF:1333050.9/22

All: 424.491+/-0.069 χ^2/NDF: 2783785.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/2

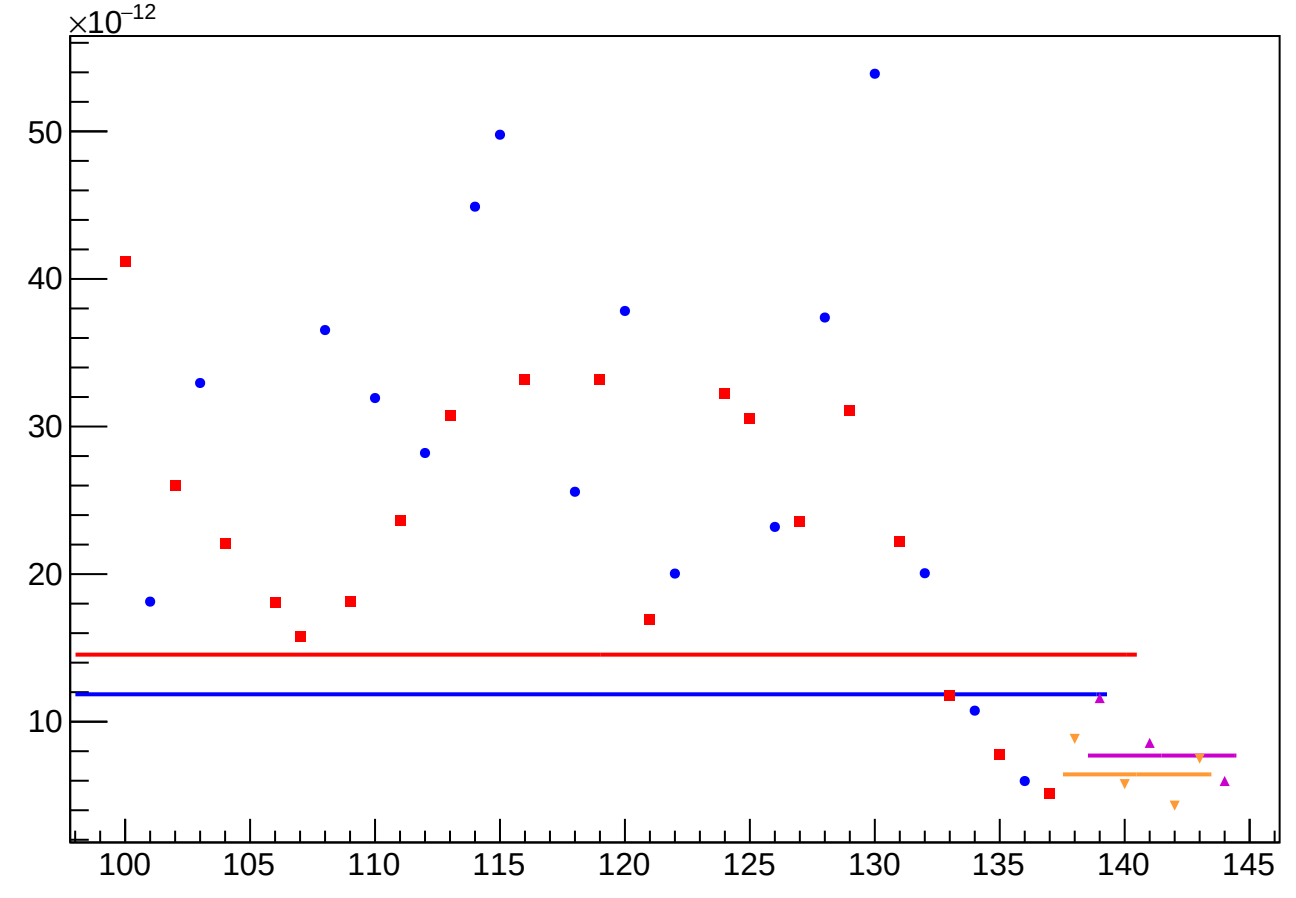
Left: 0.000+/-0.000 χ^2/NDF: 3.1/6

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:23.9/18

Out: -0.000+/-0.000 χ^2/NDF:15.2/22

All: 0.000+/-0.000 χ^2/NDF: 39.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:148357.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:191670.7/2

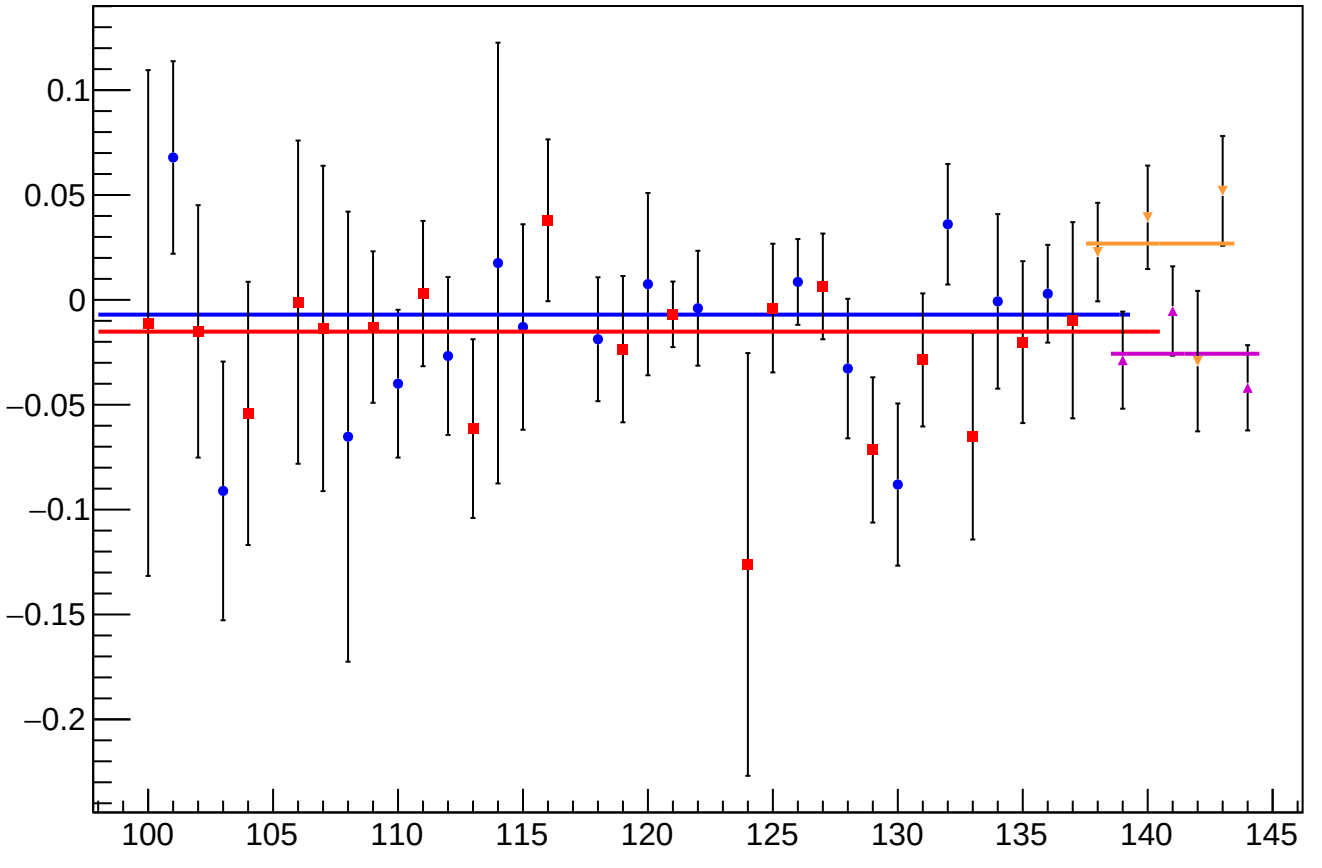
Left: 0.000+/-0.000 χ^2/NDF: 377590.9/6

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3336434.5/18

Out: 0.000+/-0.000 χ^2/NDF:2994119.4/22

All: 0.000+/-0.000 χ^2/NDF: 6348265.9/41



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.026+/-0.012 χ^2/NDF:1.6/2

Left: -0.001+/-0.009 χ^2/NDF: 14.0/6

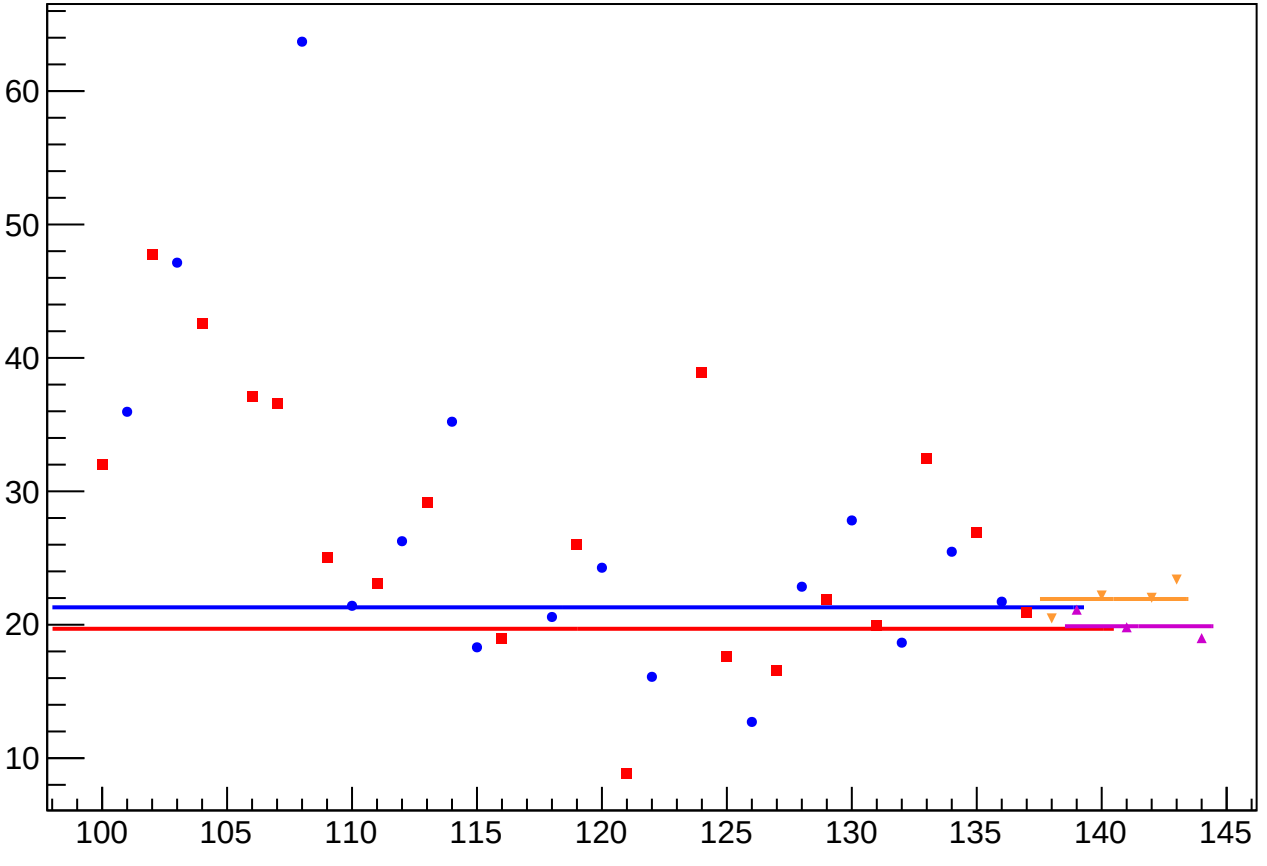
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.4/18

Out: -0.003+/-0.007 χ^2/NDF:21.4/22

All: -0.008+/-0.005 χ^2/NDF: 39.9/41

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.929+/-0.009 χ^2/NDF:14116.1/3

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.888+/-0.009 χ^2/NDF:9616.5/2

Left: 20.852+/-0.006 χ^2/NDF: 49295.4/6

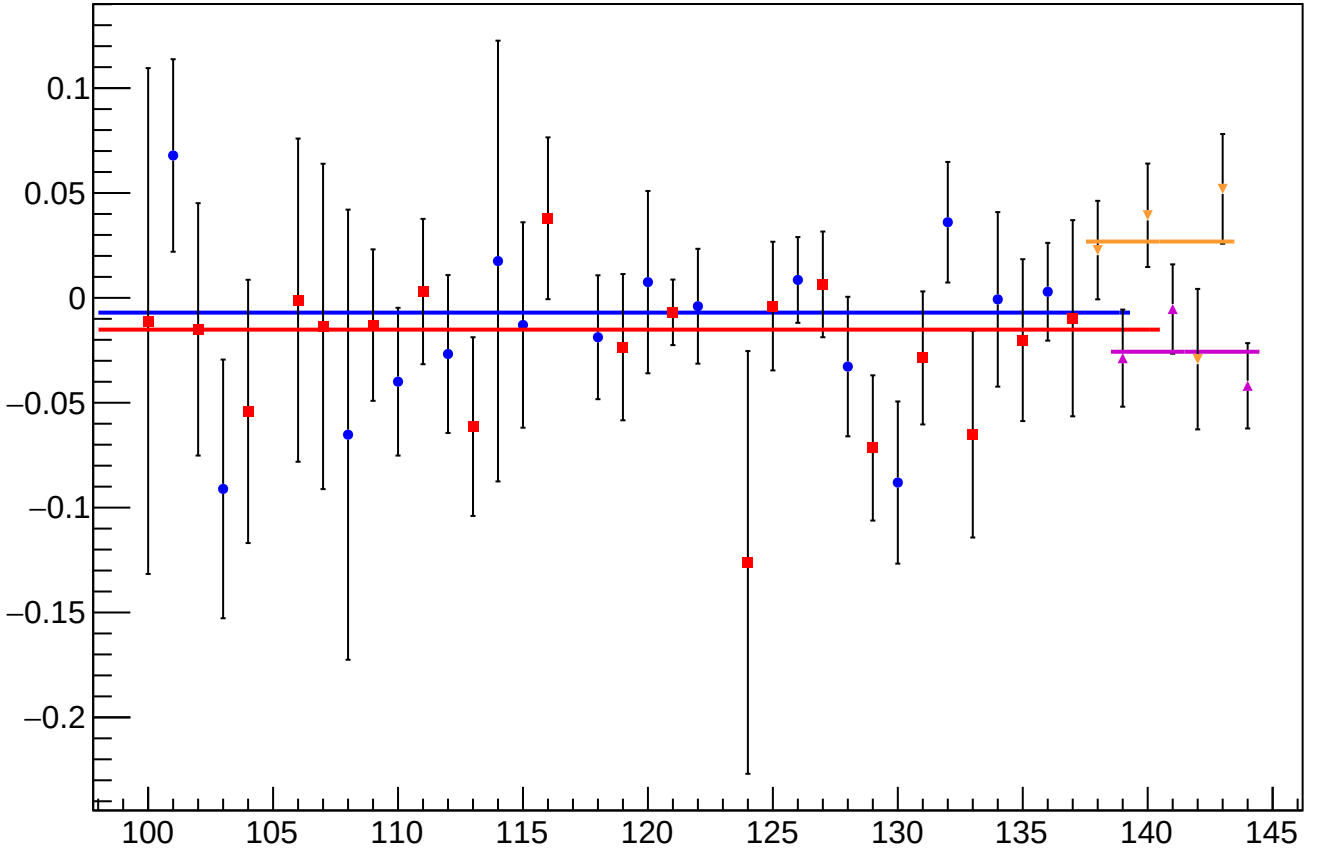
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.844+/-0.005 χ^2/NDF:1506607.6/18

Out: 20.327+/-0.005 χ^2/NDF:2494682.9/22

All: 20.581+/-0.004 χ^2/NDF: 4006703.6/41

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.026+/-0.012 χ^2/NDF:1.6/2

Left: -0.001+/-0.009 χ^2/NDF: 14.0/6

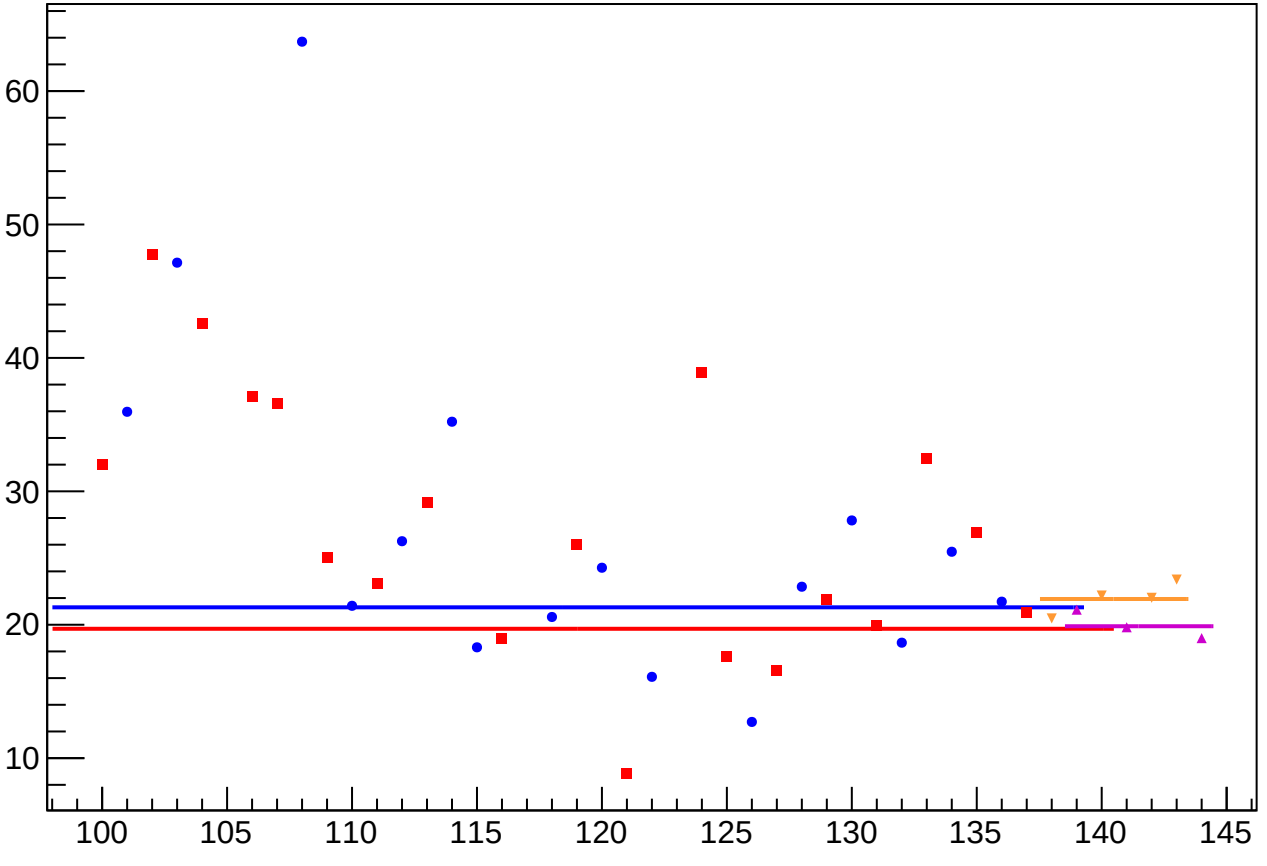
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.4/18

Out: -0.003+/-0.007 χ^2/NDF:21.4/22

All: -0.008+/-0.005 χ^2/NDF: 39.9/41

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.929+/-0.009 χ^2/NDF:14116.1/3

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.888+/-0.009 χ^2/NDF:9616.5/2

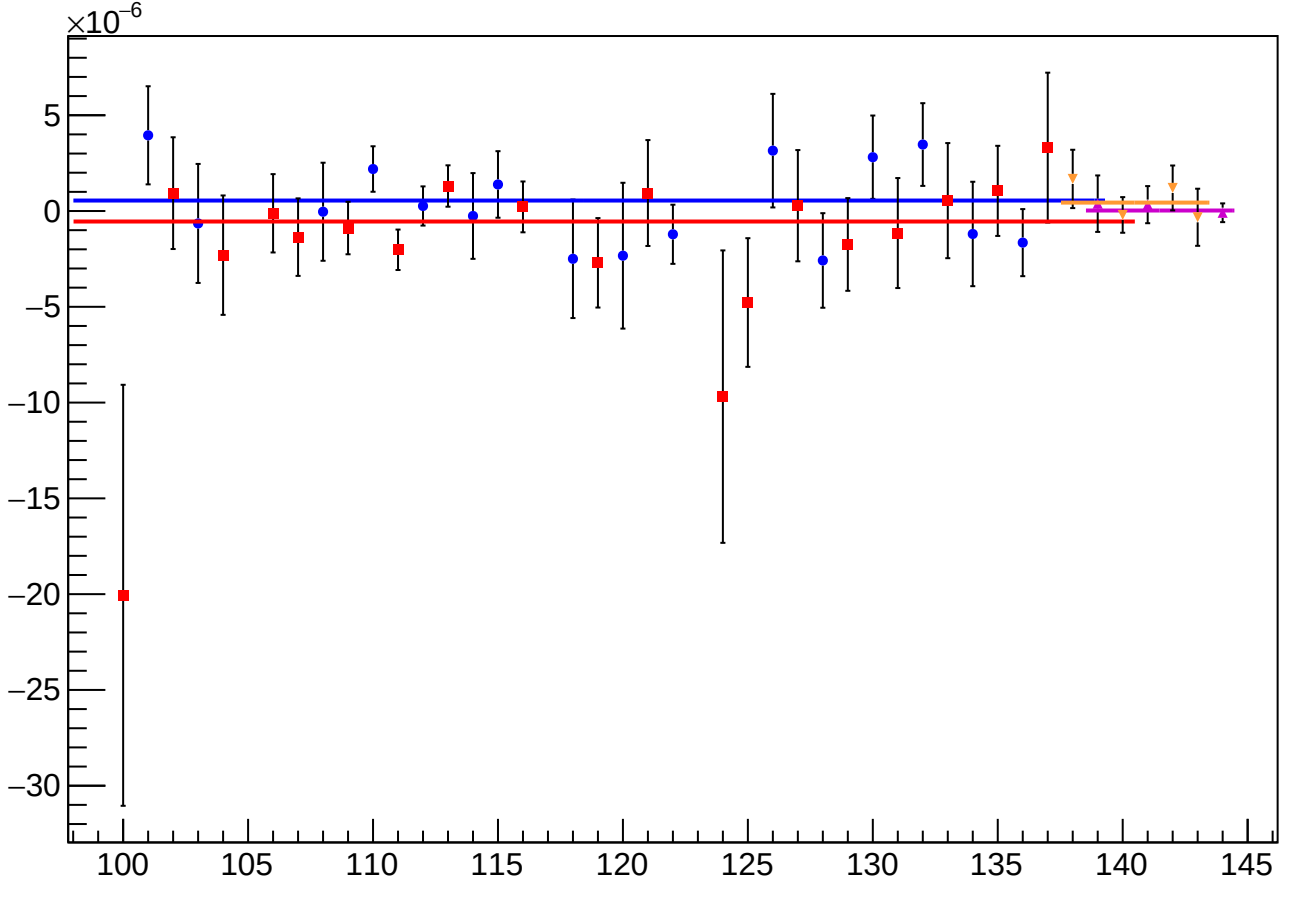
Left: 20.852+/-0.006 χ^2/NDF: 49295.4/6

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.844+/-0.005 χ^2/NDF:1506607.6/18

Out: 20.327+/-0.005 χ^2/NDF:2494682.9/22

All: 20.581+/-0.004 χ^2/NDF: 4006703.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

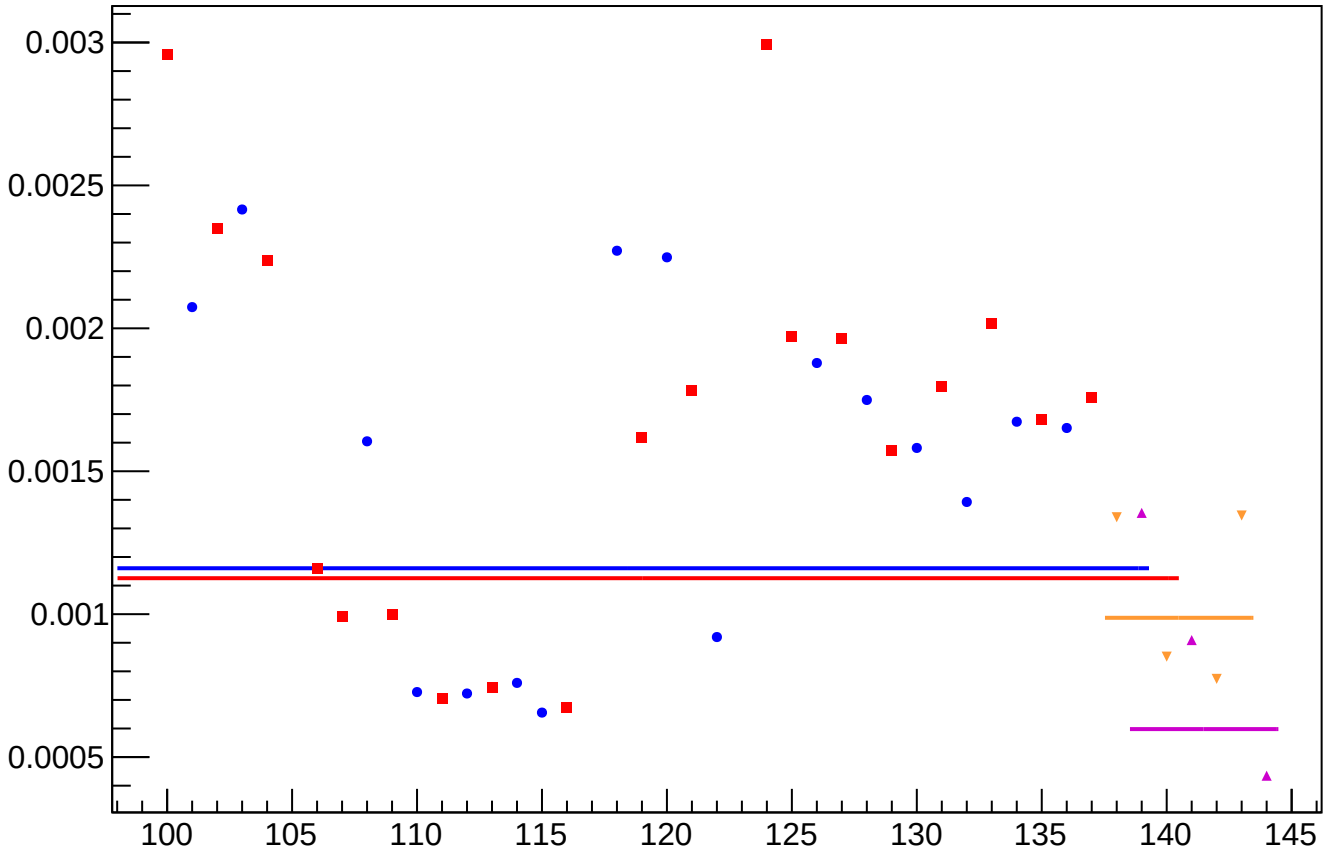
Left: 0.000+/-0.000 χ^2/NDF: 2.4/6

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:15.3/18

Out: -0.000+/-0.000 χ^2/NDF:18.9/22

All: 0.000+/-0.000 χ^2/NDF: 35.0/41



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:331298.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:955330.9/2

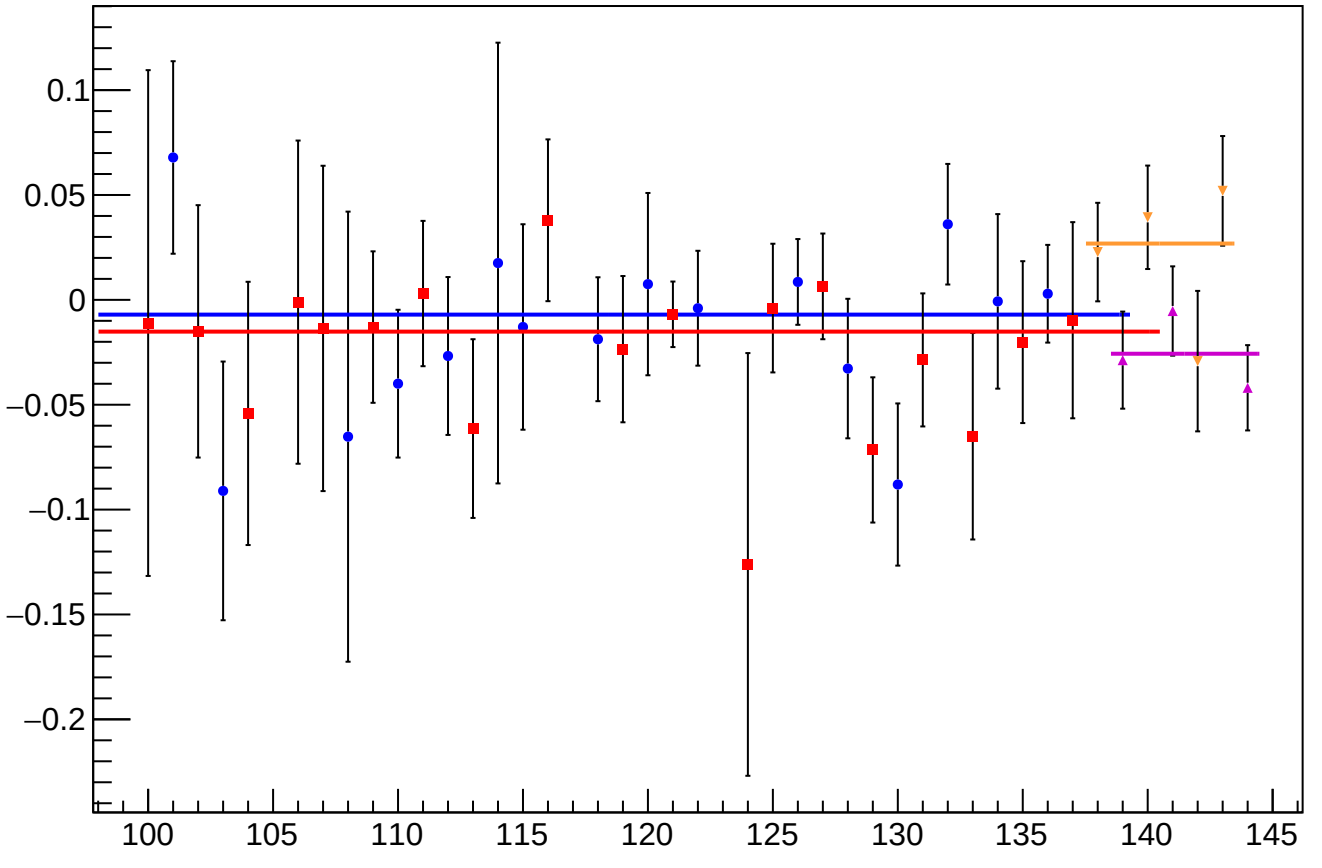
Left: 0.001+/-0.000 χ^2/NDF: 1851231.3/6

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:5054885.2/18

Out: 0.001+/-0.000 χ^2/NDF:3022423.4/22

All: 0.001+/-0.000 χ^2/NDF: 8544273.1/41



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.026+/-0.012 χ^2/NDF:1.6/2

Left: -0.001+/-0.009 χ^2/NDF: 14.0/6

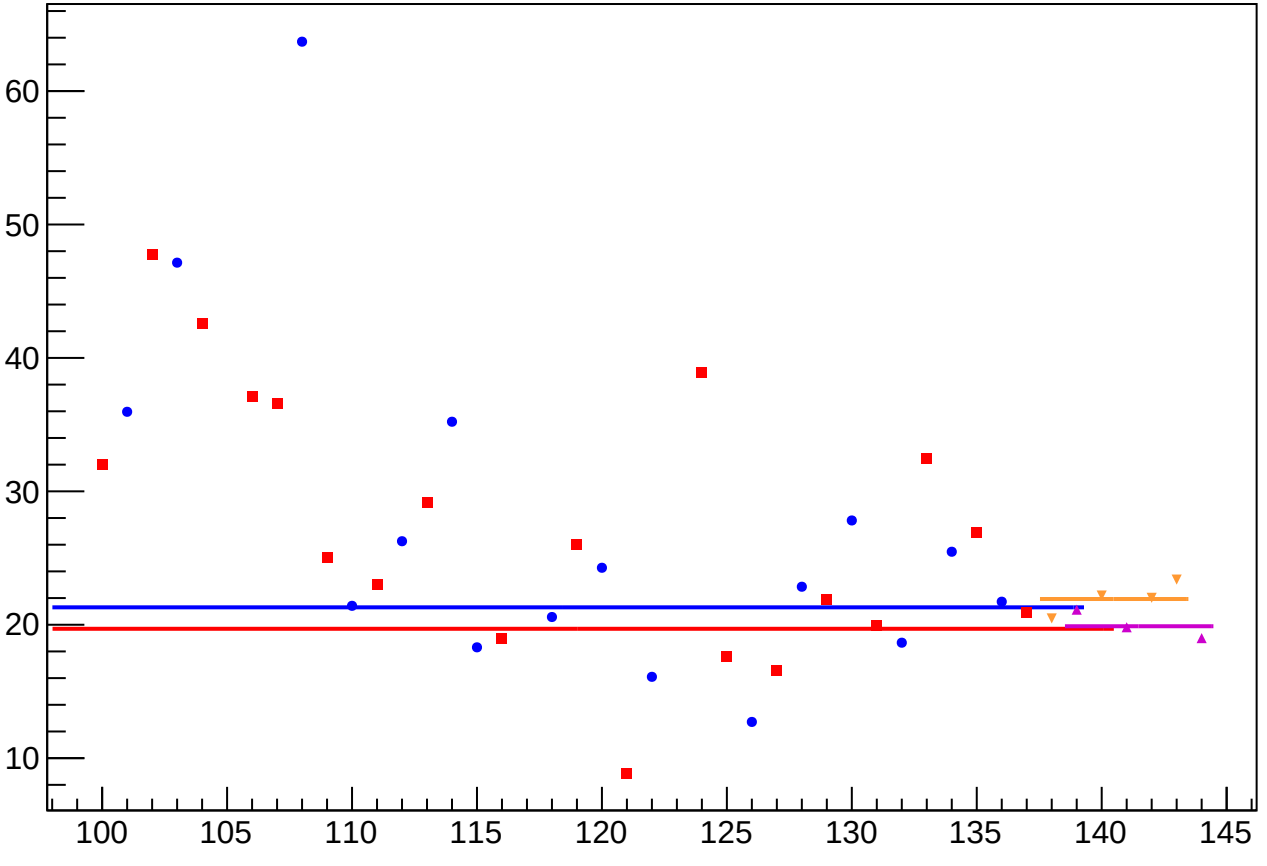
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.4/18

Out: -0.003+/-0.007 χ^2/NDF:21.4/22

All: -0.008+/-0.005 χ^2/NDF: 39.9/41

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.930+/-0.009 χ^2/NDF:14111.8/3

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.888+/-0.009 χ^2/NDF:9619.4/2

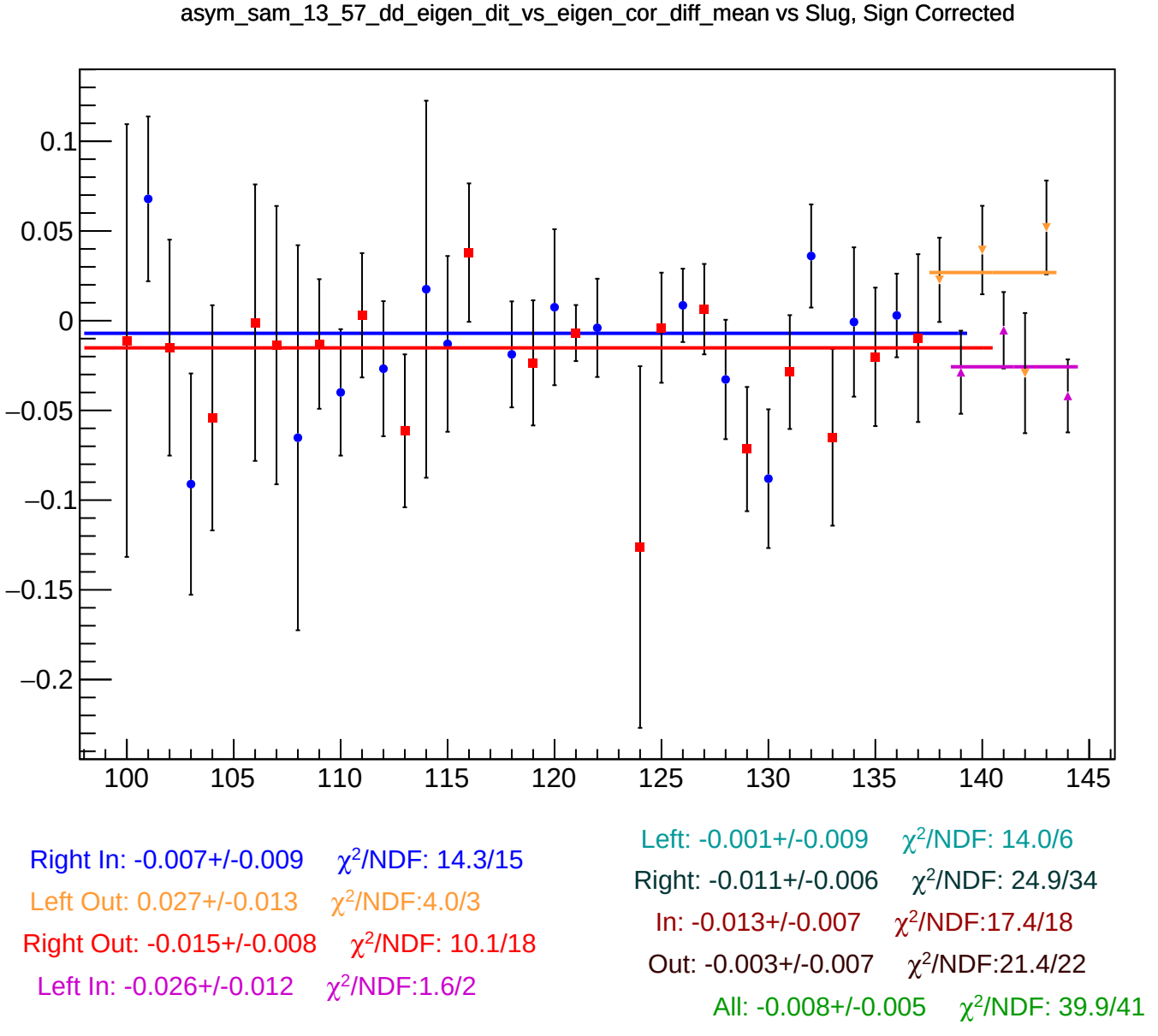
Left: 20.852+/-0.006 χ^2/NDF: 49296.1/6

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

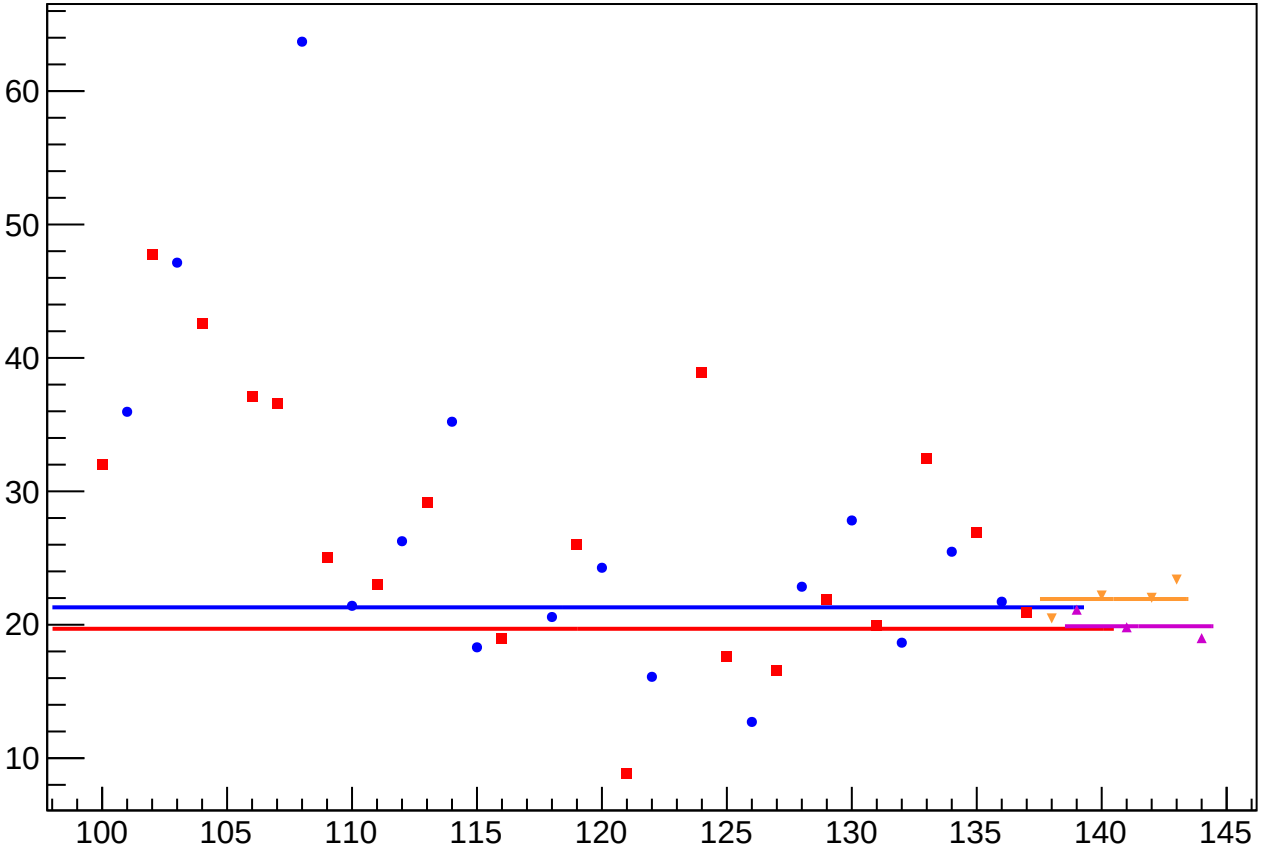
In: 20.844+/-0.005 χ^2/NDF:1506446.4/18

Out: 20.327+/-0.005 χ^2/NDF:2494296.5/22

All: 20.582+/-0.004 χ^2/NDF: 4006149.7/41


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.027+/-0.013 χ²/NDF:4.0/3
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.026+/-0.012 χ²/NDF:1.6/2
Left: -0.001+/-0.009 χ²/NDF: 14.0/6
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.007 χ²/NDF:17.4/18
Out: -0.003+/-0.007 χ²/NDF:21.4/22
All: -0.008+/-0.005 χ²/NDF: 39.9/41

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.930+/-0.009 χ^2/NDF:14111.8/3

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.888+/-0.009 χ^2/NDF:9619.4/2

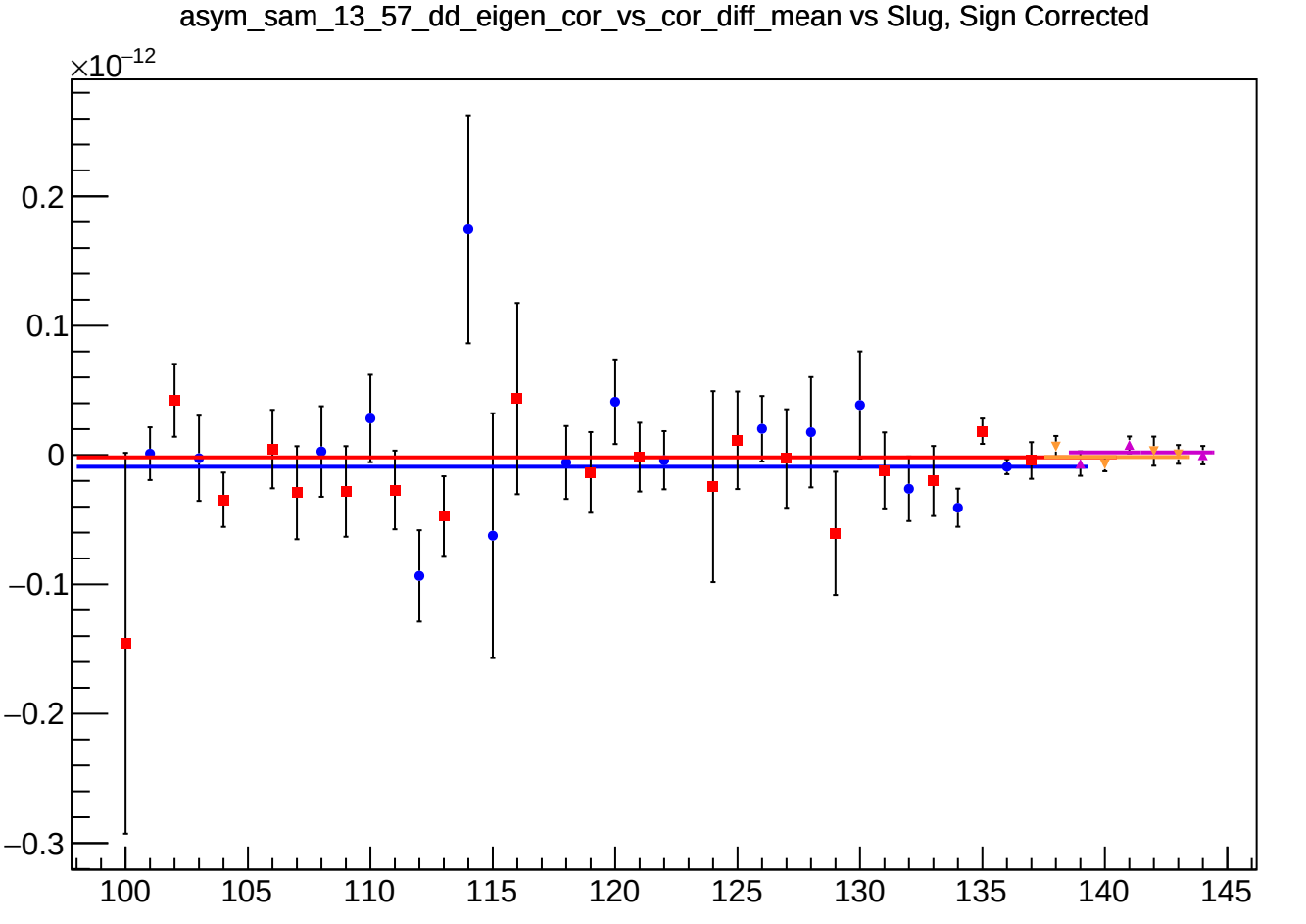
Left: 20.852+/-0.006 χ^2/NDF: 49296.1/6

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.844+/-0.005 χ^2/NDF:1506446.4/18

Out: 20.327+/-0.005 χ^2/NDF:2494296.5/22

All: 20.582+/-0.004 χ^2/NDF: 4006149.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/2

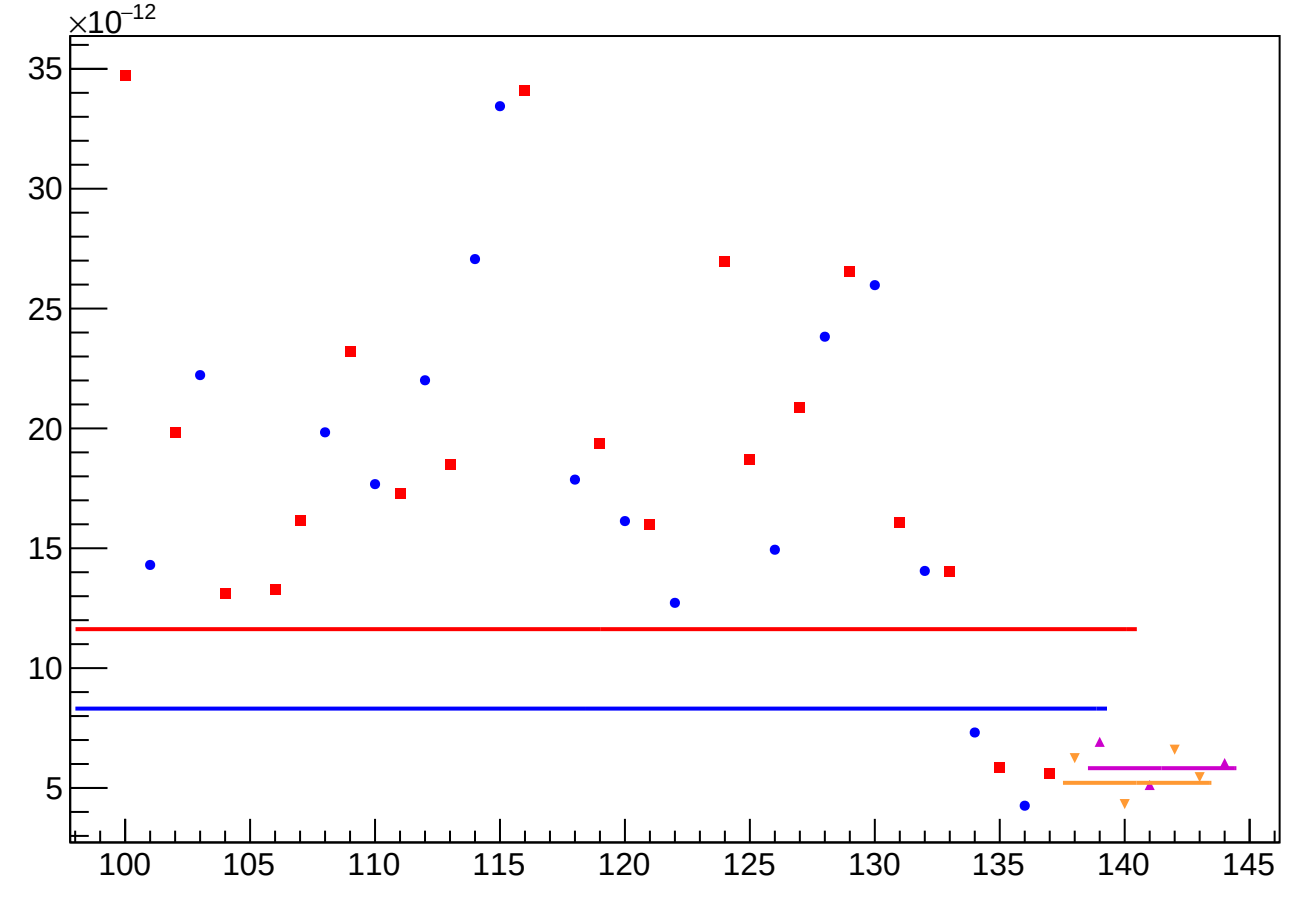
Left: -0.000+/-0.000 χ^2/NDF: 4.4/6

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.5/18

Out: -0.000+/-0.000 χ^2/NDF:19.3/22

All: -0.000+/-0.000 χ^2/NDF: 46.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:117497.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:52637.5/2

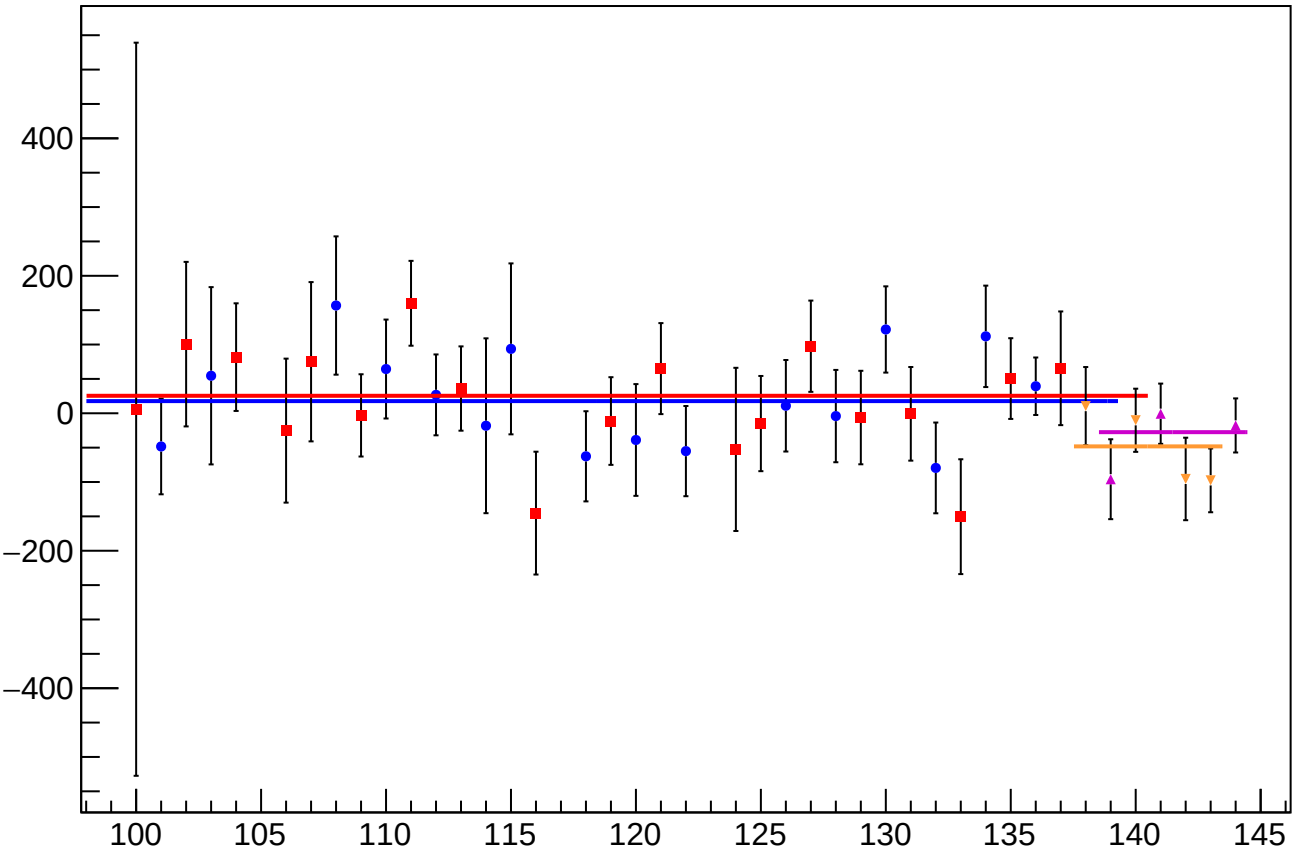
Left: 0.000+/-0.000 χ^2/NDF: 193918.5/6

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:4105974.9/18

Out: 0.000+/-0.000 χ^2/NDF:4535825.8/22

All: 0.000+/-0.000 χ^2/NDF: 8642243.8/41



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.175+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -27.475+/-26.147 χ^2/NDF:1.8/2

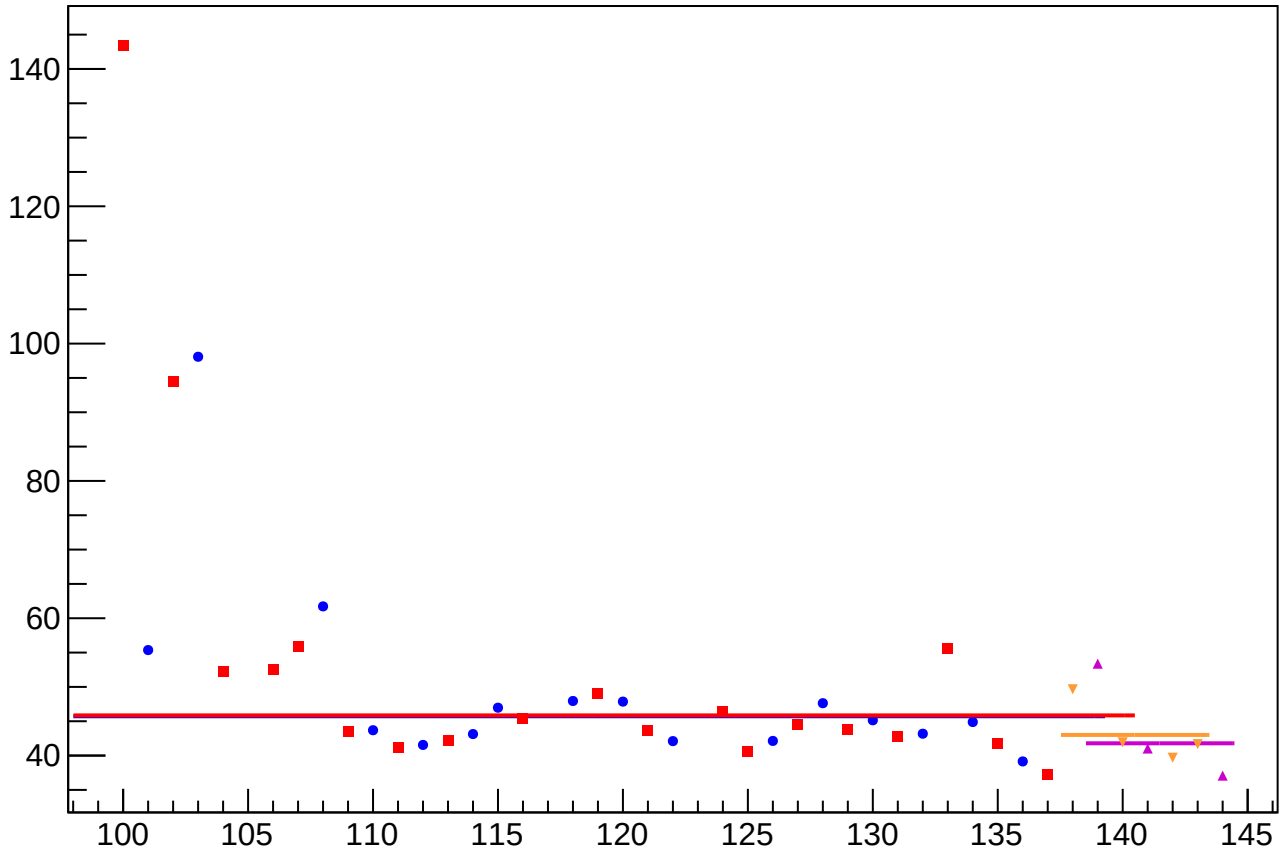
Left: -38.042+/-18.294 χ^2/NDF: 5.6/6

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: 3.758+/-14.526 χ^2/NDF:17.8/18

Out: 2.298+/-14.355 χ^2/NDF:27.0/22

All: 3.020+/-10.211 χ^2/NDF: 44.9/41



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

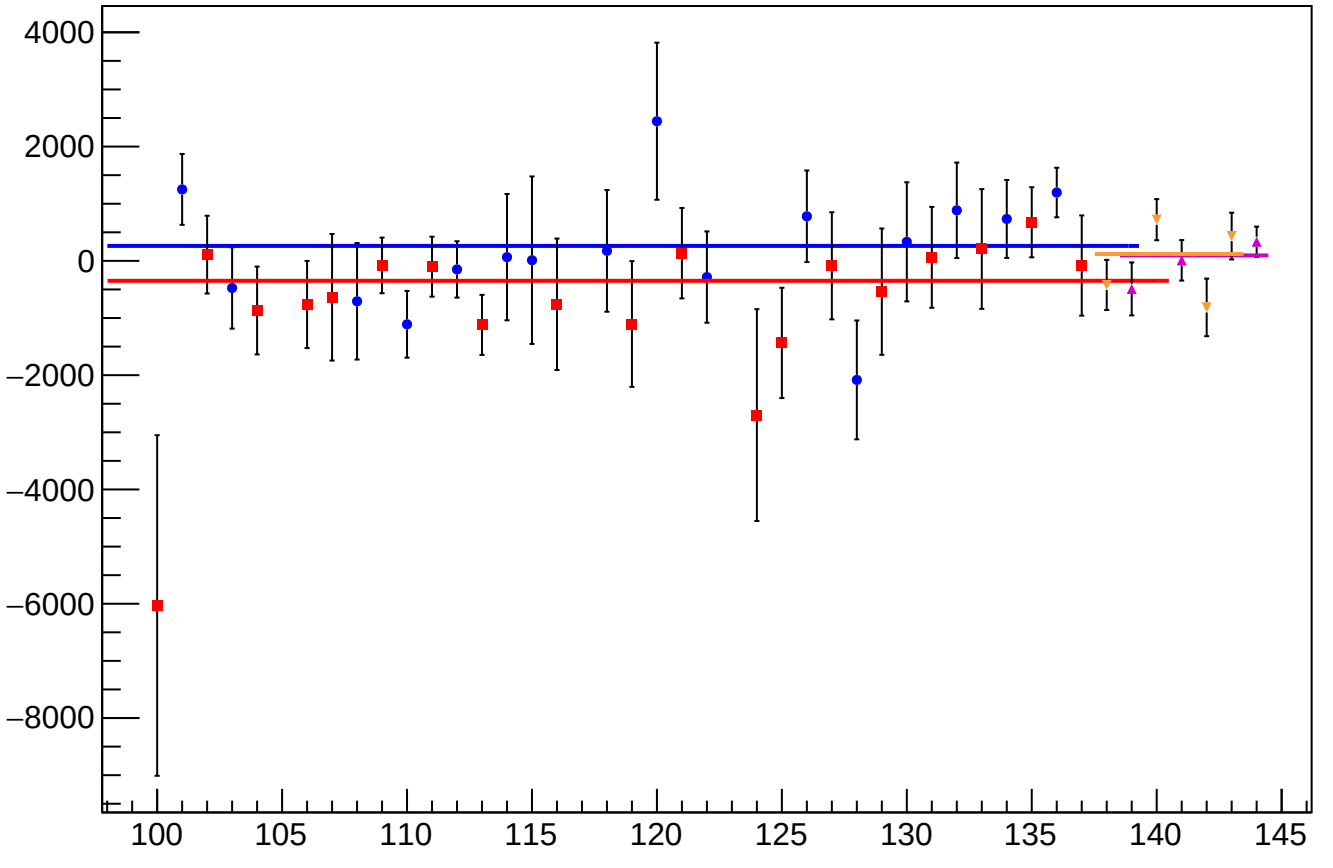
Left: 42.410+/-0.013 χ^2/NDF: 147323.6/6

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 44.511+/-0.010 χ^2/NDF:641716.3/18

Out: 44.956+/-0.010 χ^2/NDF:593278.6/22

All: 44.736+/-0.007 χ^2/NDF: 1235946.5/41



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 121.088+/-209.219 χ^2/NDF:8.3/3

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 95.576+/-192.813 χ^2/NDF:2.5/2

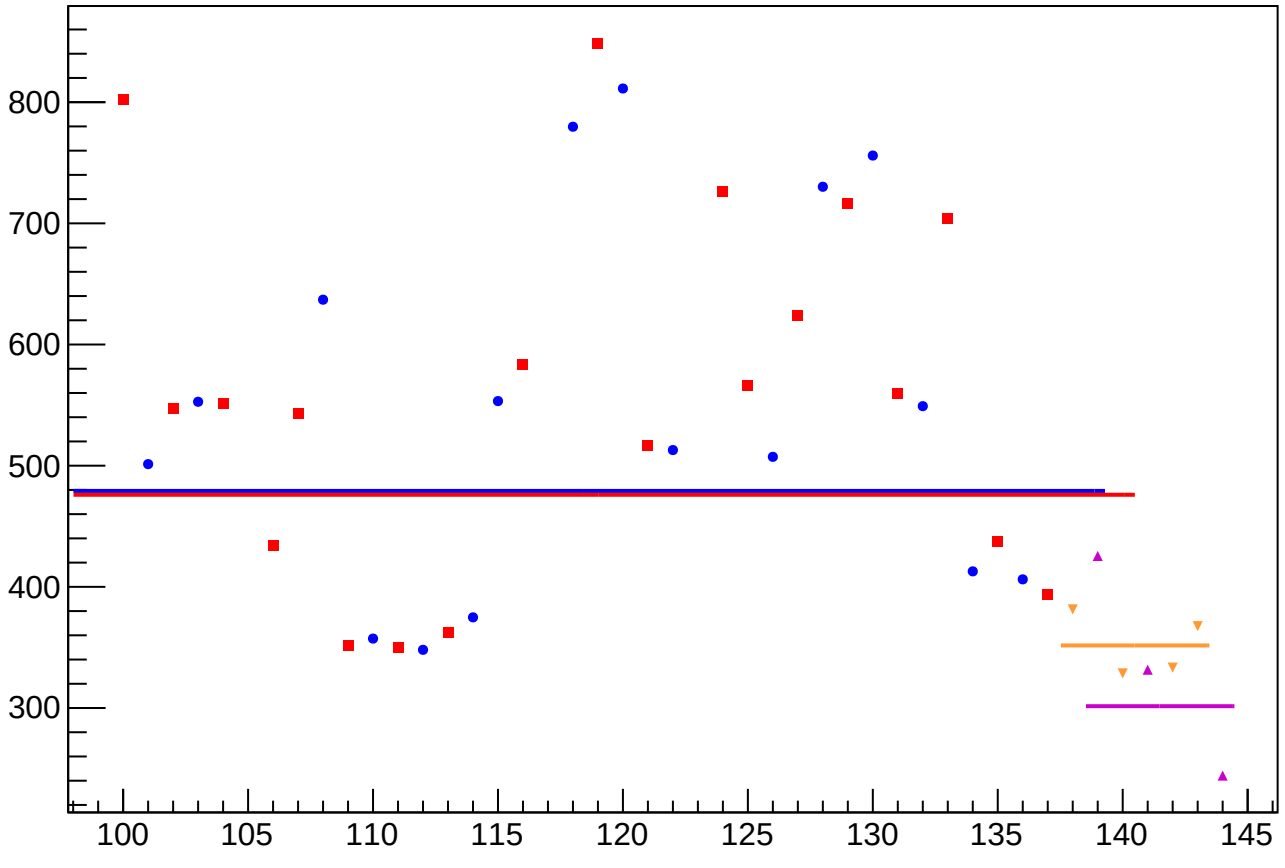
Left: 107.293+/-141.785 χ^2/NDF: 10.8/6

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 182.104+/-133.571 χ^2/NDF:27.8/18

Out: -147.998+/-136.746 χ^2/NDF:26.2/22

All: 20.931+/-95.552 χ^2/NDF: 57.0/41



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 351.625+/-0.148 χ^2/NDF:23090.7/3

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 301.493+/-0.136 χ^2/NDF:251204.2/2

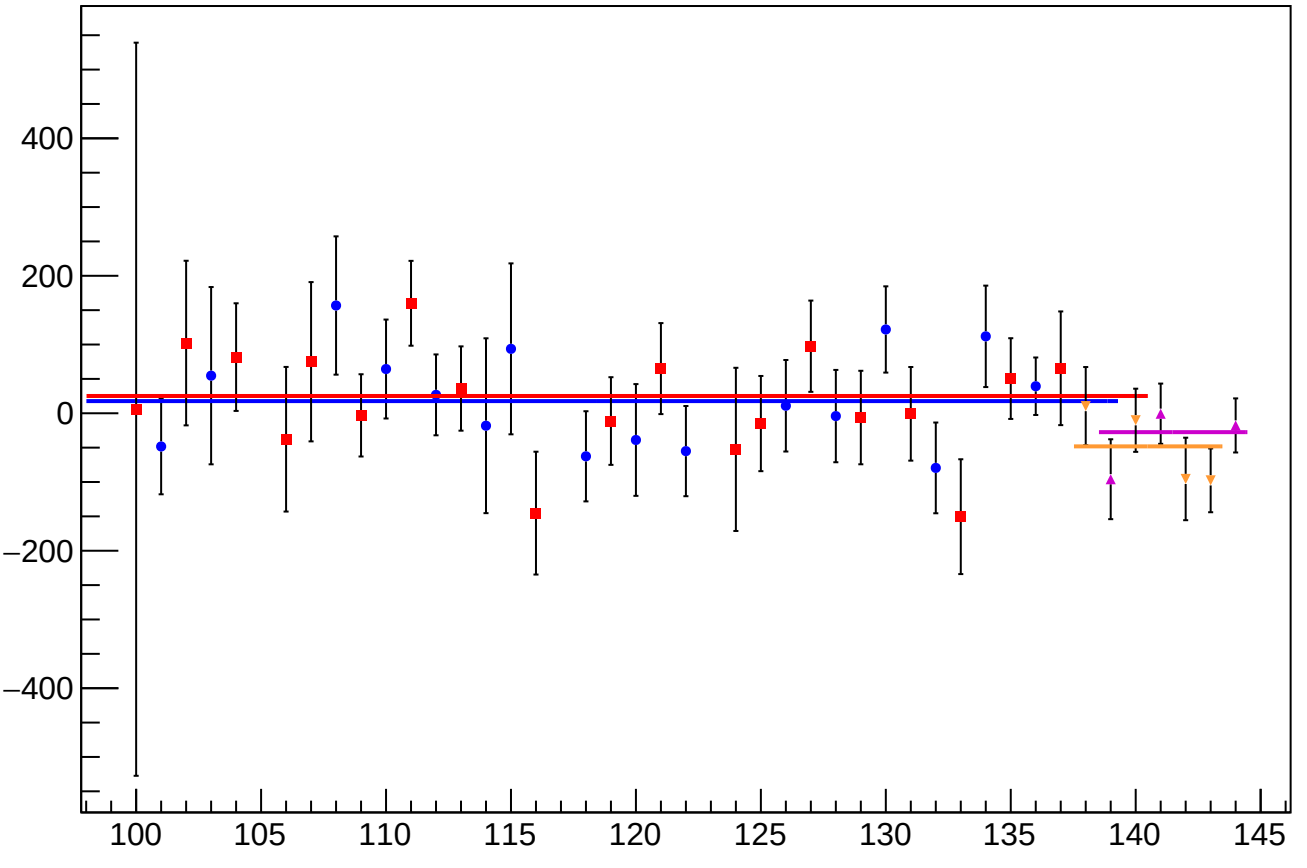
Left: 324.517+/-0.100 χ^2/NDF: 336387.6/6

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 393.907+/-0.094 χ^2/NDF:2087269.7/18

Out: 422.862+/-0.097 χ^2/NDF:1434378.8/22

All: 408.045+/-0.068 χ^2/NDF: 3567536.1/41



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.471+/-26.147 χ^2/NDF:1.8/2

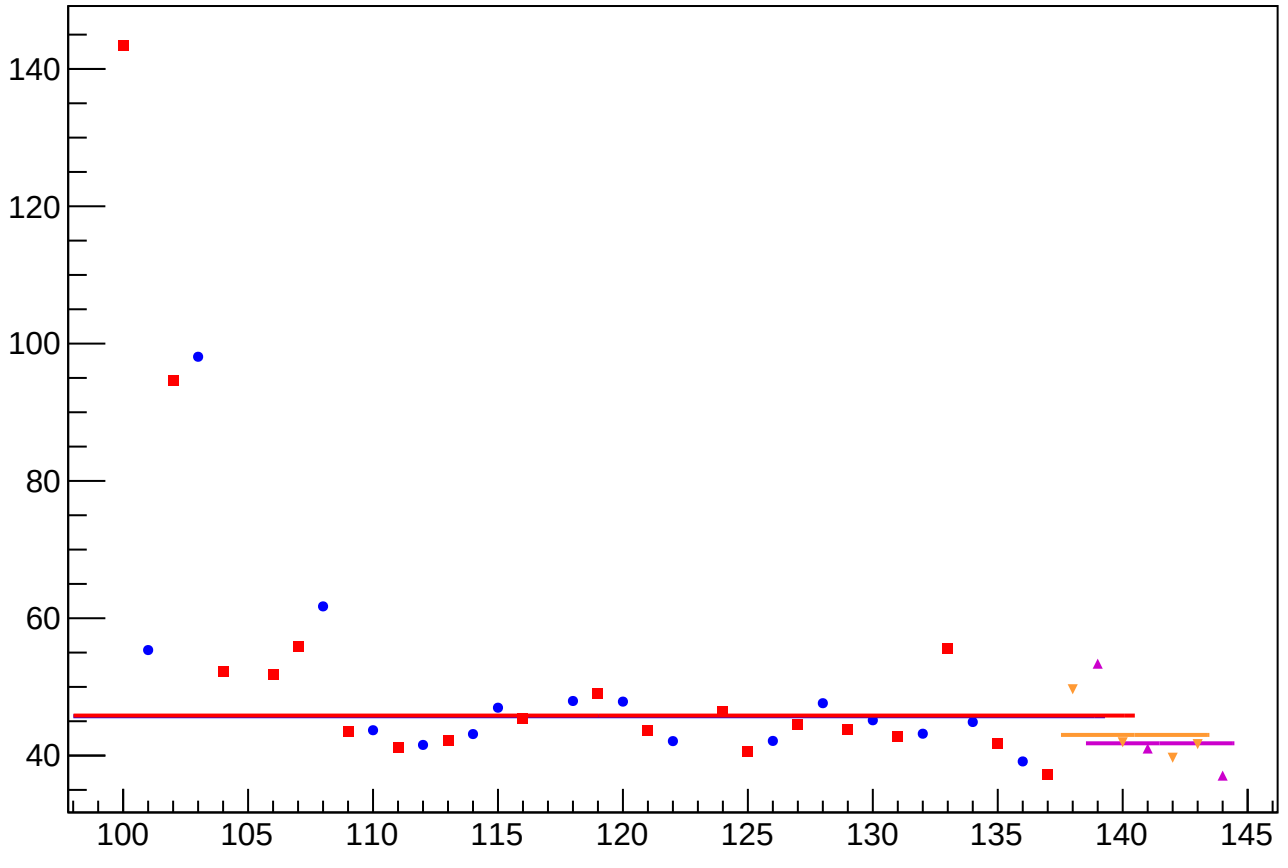
Left: -38.040+/-18.294 χ^2/NDF: 5.6/6

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 3.763+/-14.526 χ^2/NDF:17.8/18

Out: 2.092+/-14.357 χ^2/NDF:27.1/22

All: 2.918+/-10.211 χ^2/NDF: 45.0/41



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

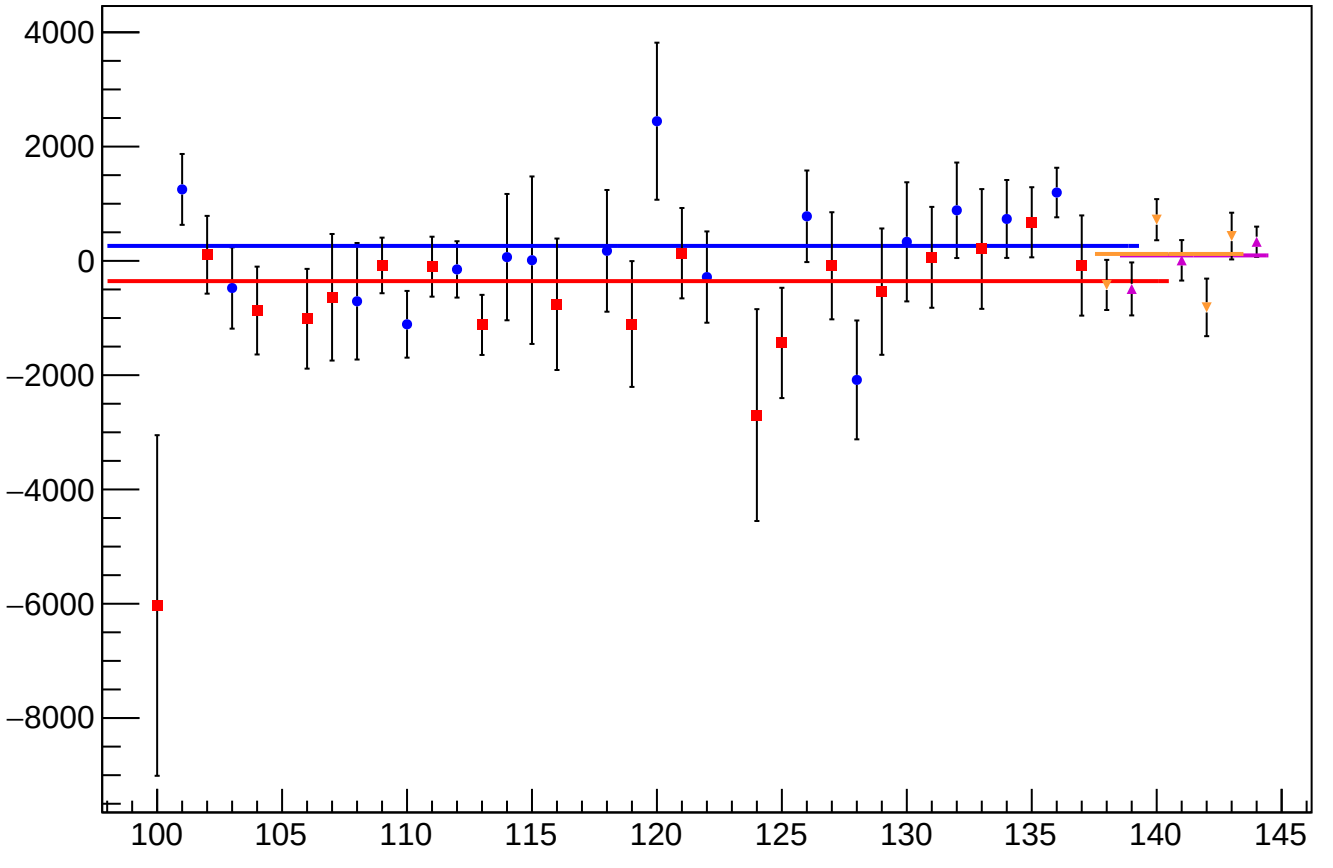
Left: 42.410+/-0.013 χ^2/NDF: 147323.6/6

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 44.511+/-0.010 χ^2/NDF:641719.3/18

Out: 44.940+/-0.010 χ^2/NDF:591308.6/22

All: 44.728+/-0.007 χ^2/NDF: 1233910.2/41



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 95.578+/-192.813 χ^2/NDF:2.5/2

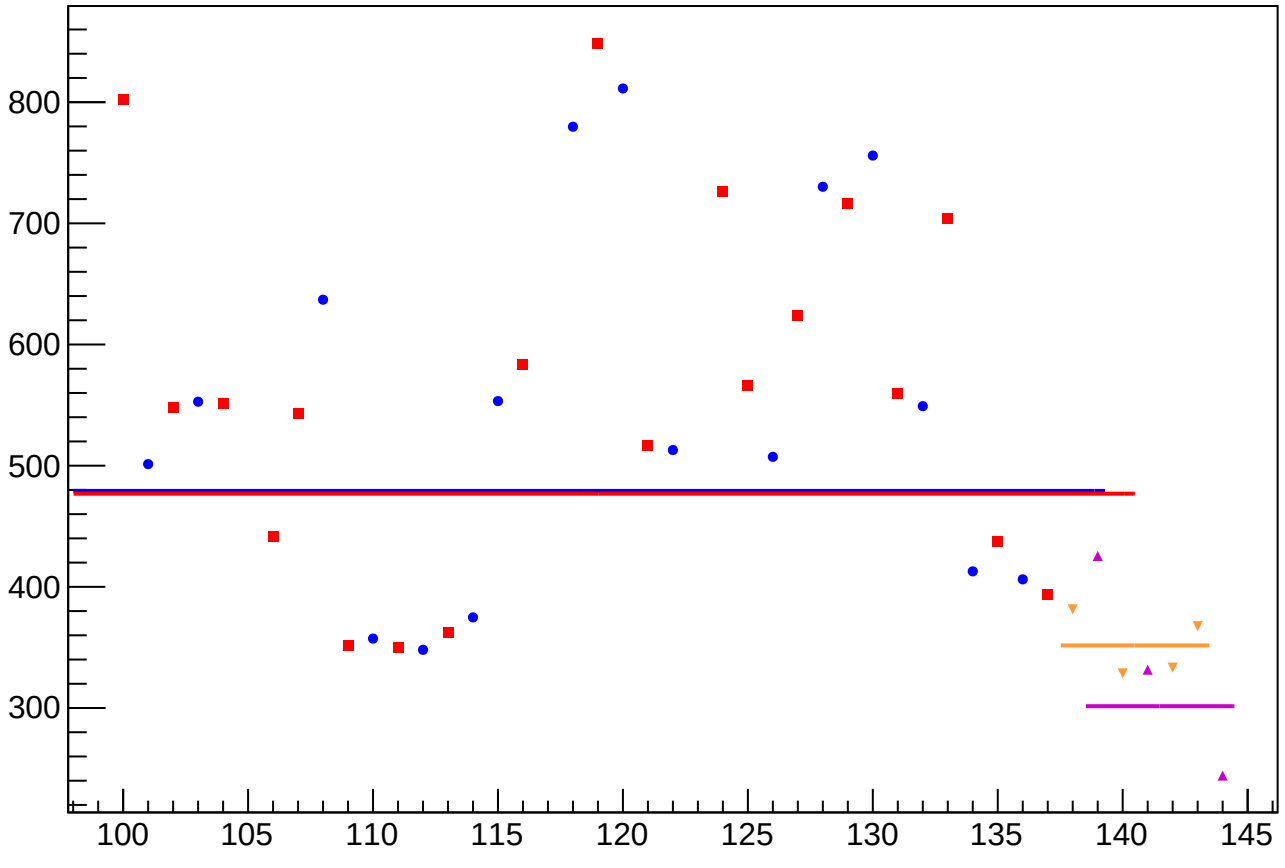
Left: 107.293+/-141.785 χ^2/NDF: 10.8/6

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 182.107+/-133.571 χ^2/NDF:27.8/18

Out: -149.592+/-137.273 χ^2/NDF:26.5/22

All: 20.791+/-95.731 χ^2/NDF: 57.3/41



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.494+/-0.136 χ^2/NDF:251205.0/2

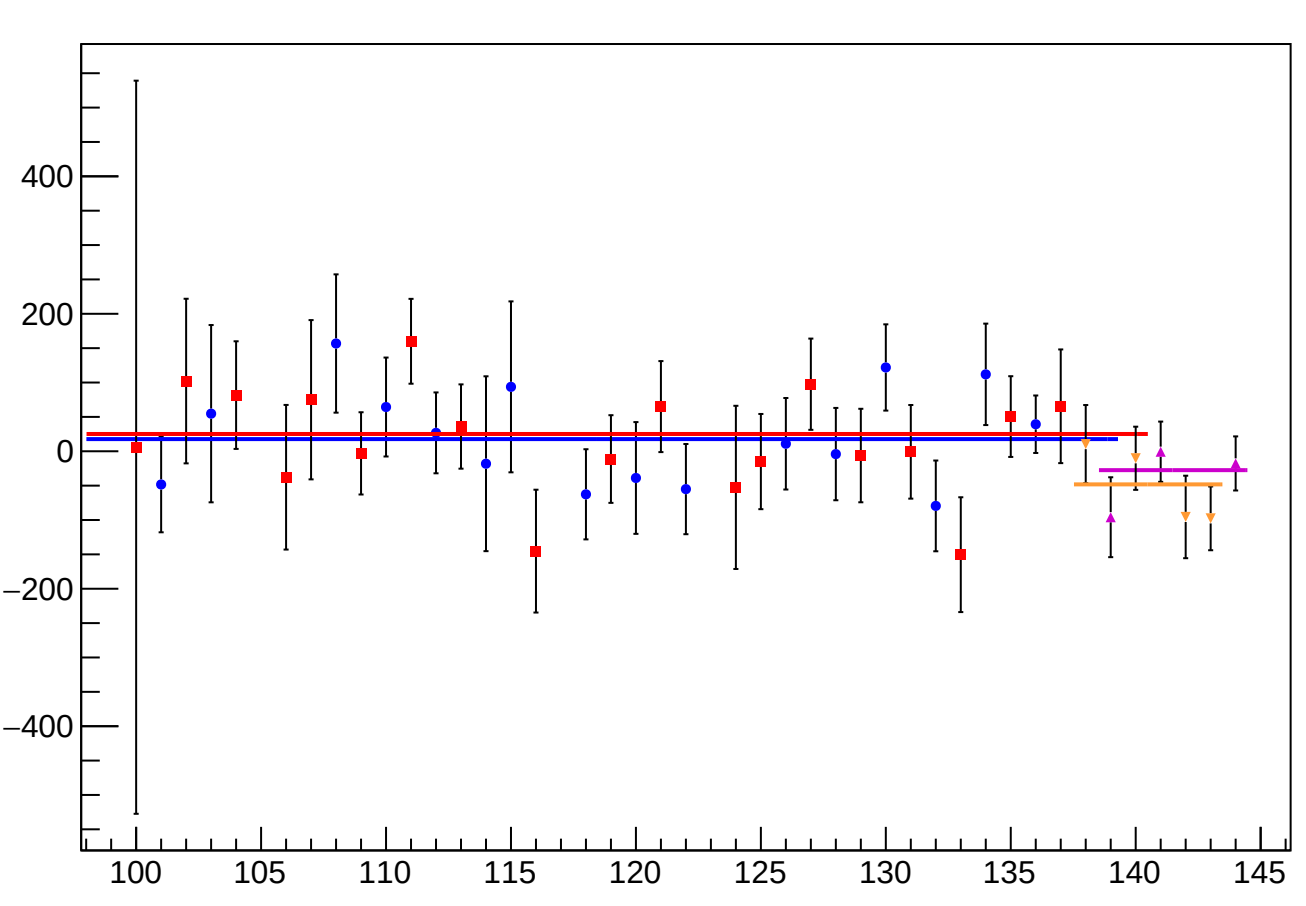
Left: 324.517+/-0.100 χ^2/NDF: 336388.0/6

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 393.908+/-0.094 χ^2/NDF:2087313.3/18

Out: 422.965+/-0.097 χ^2/NDF:1435181.8/22

All: 408.040+/-0.068 χ^2/NDF: 3568524.6/41



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.471+/-26.147 χ^2/NDF:1.8/2

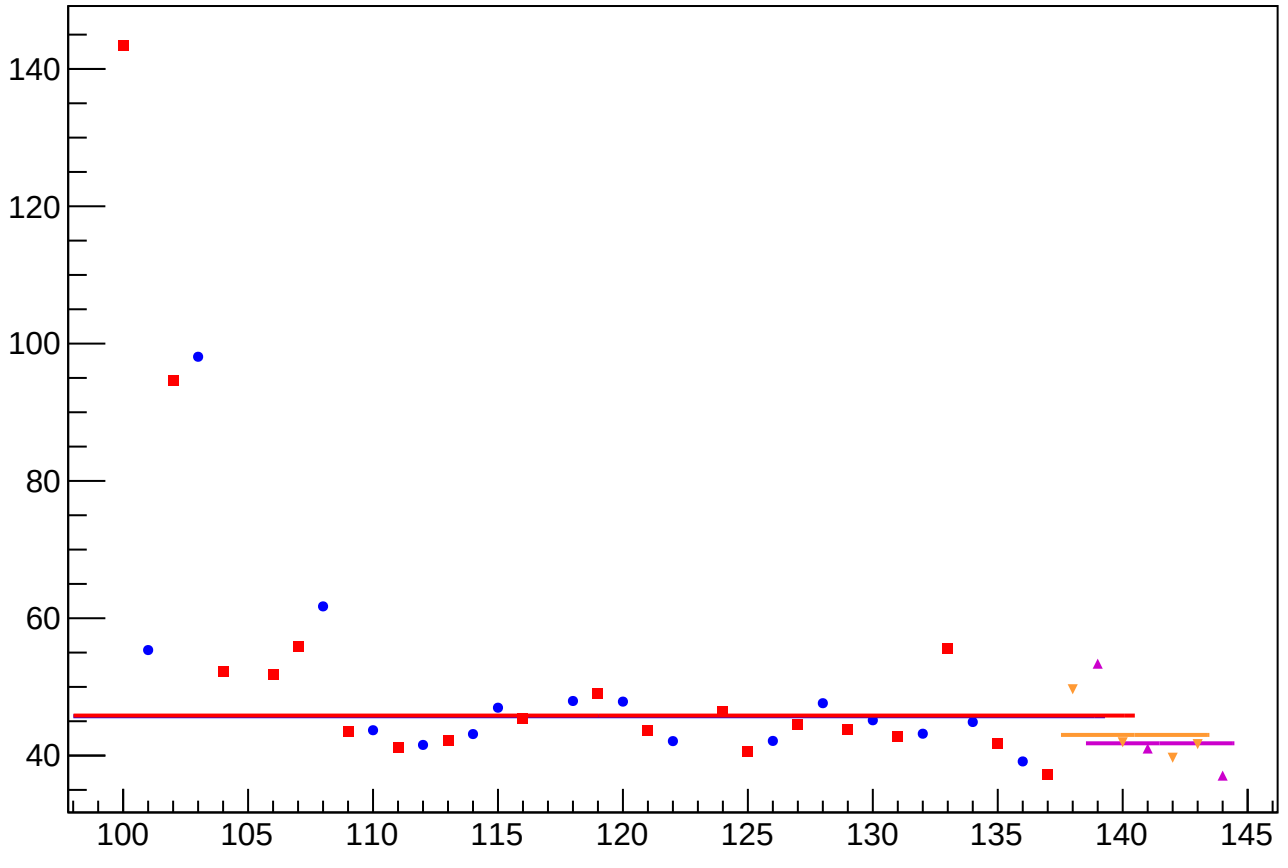
Left: -38.040+/-18.294 χ^2/NDF: 5.6/6

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 3.763+/-14.526 χ^2/NDF:17.8/18

Out: 2.092+/-14.357 χ^2/NDF:27.1/22

All: 2.918+/-10.211 χ^2/NDF: 45.0/41



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.787+/-0.018 χ^2/NDF:108857.3/2

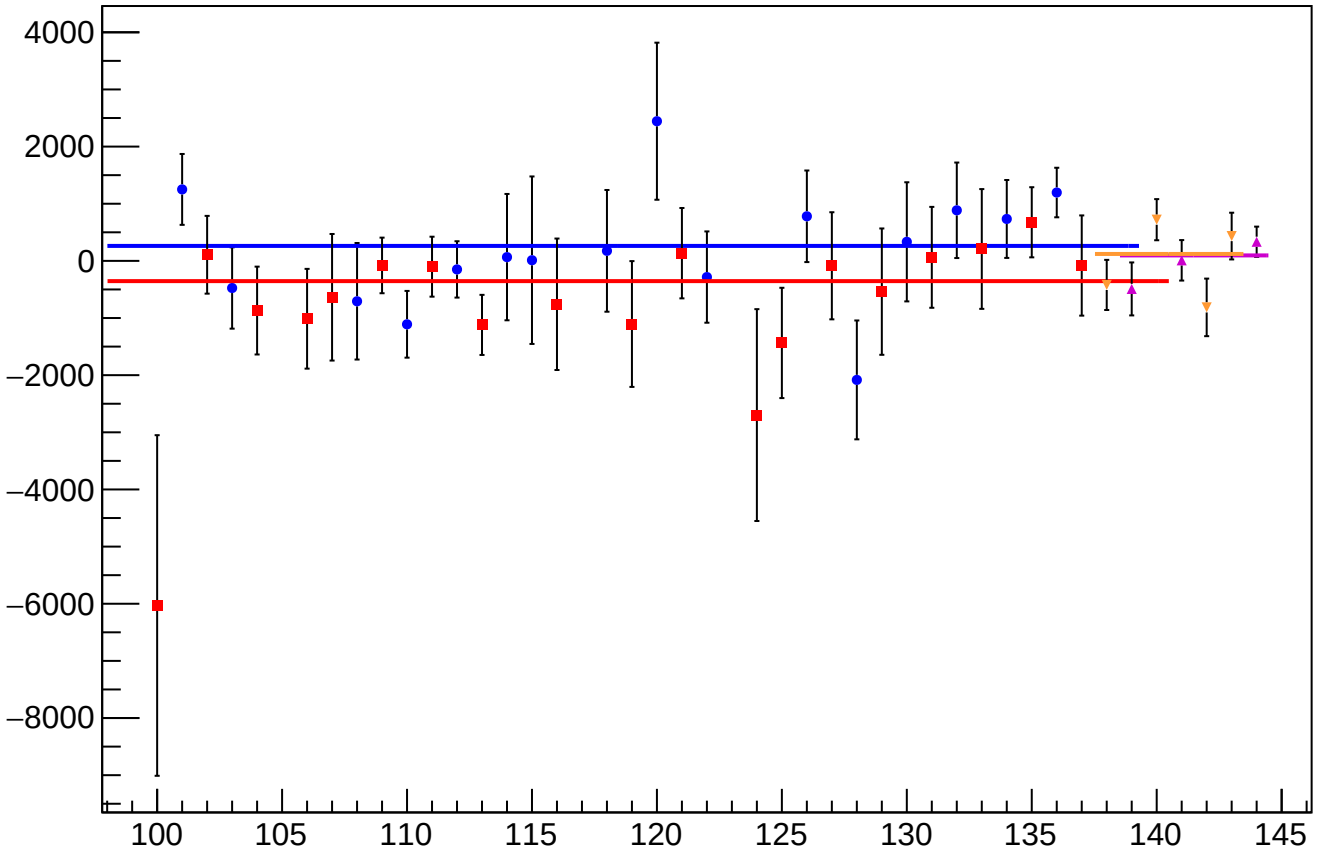
Left: 42.410+/-0.013 χ^2/NDF: 147323.6/6

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 44.511+/-0.010 χ^2/NDF:641719.3/18

Out: 44.940+/-0.010 χ^2/NDF:591308.6/22

All: 44.728+/-0.007 χ^2/NDF: 1233910.2/41



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 95.578+/-192.813 χ^2/NDF:2.5/2

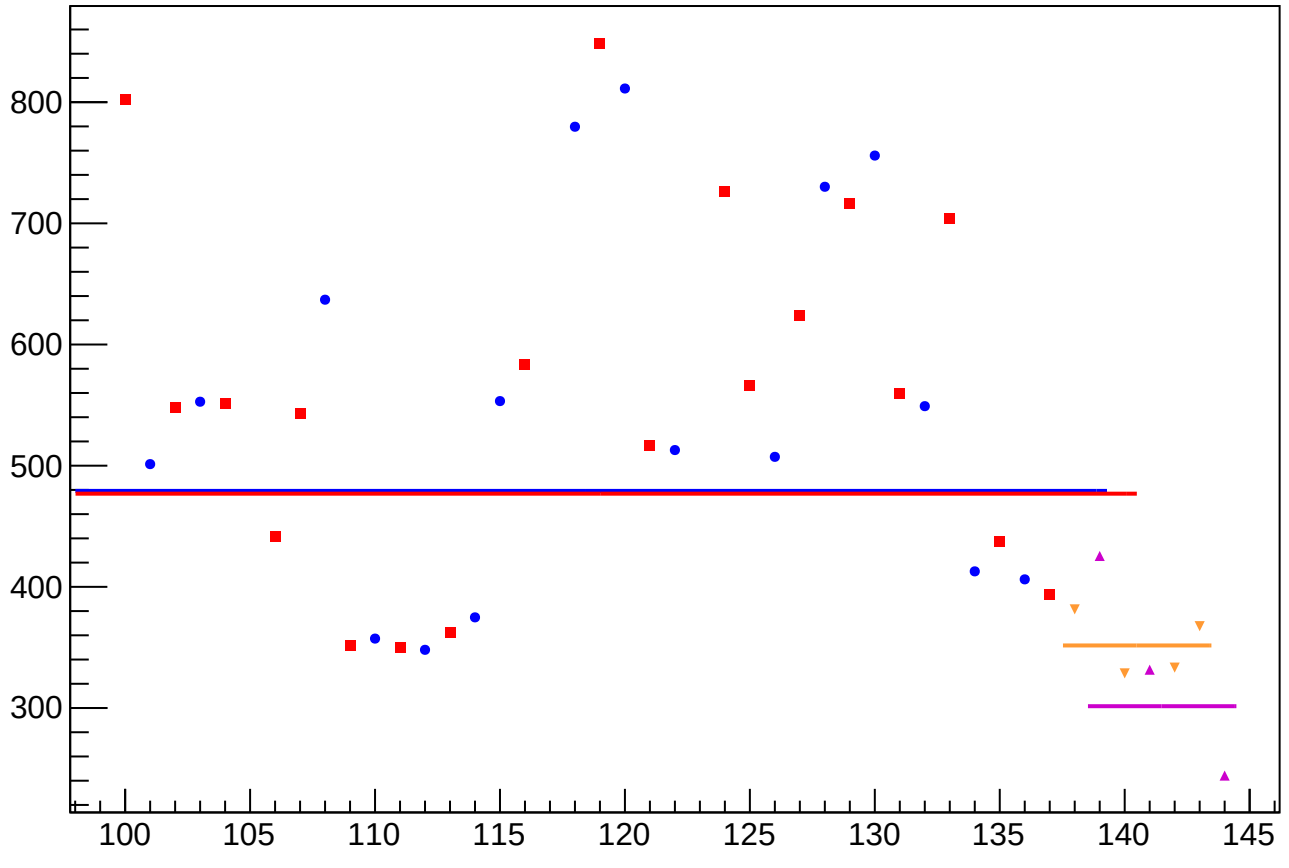
Left: 107.293+/-141.785 χ^2/NDF: 10.8/6

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 182.107+/-133.571 χ^2/NDF:27.8/18

Out: -149.592+/-137.273 χ^2/NDF:26.5/22

All: 20.791+/-95.731 χ^2/NDF: 57.3/41



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 301.494+/-0.136 χ^2/NDF:251205.0/2

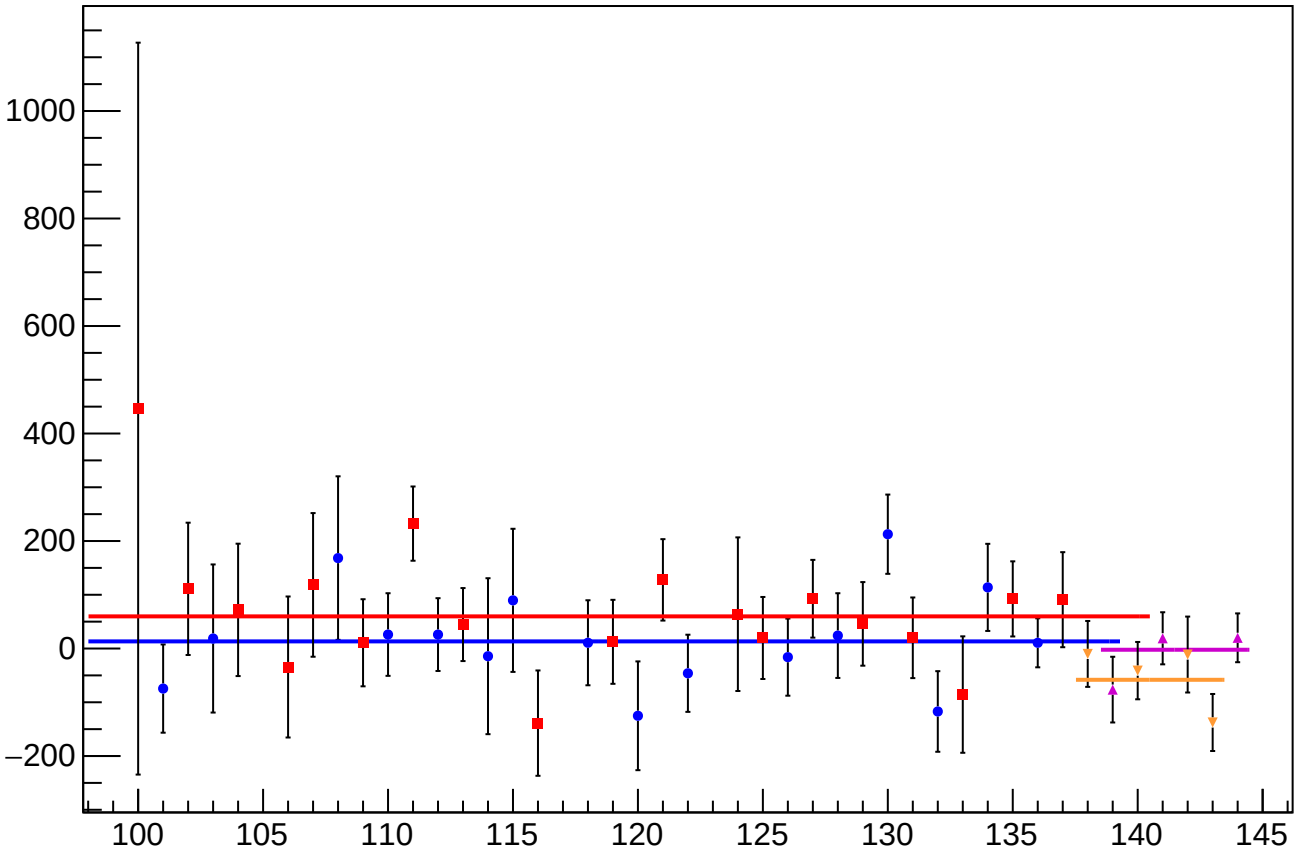
Left: 324.517+/-0.100 χ^2/NDF: 336388.0/6

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 393.908+/-0.094 χ^2/NDF:2087313.3/18

Out: 422.965+/-0.097 χ^2/NDF:1435181.8/22

All: 408.040+/-0.068 χ^2/NDF: 3568524.6/41



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -2.284+/-29.129 χ^2/NDF:1.9/2

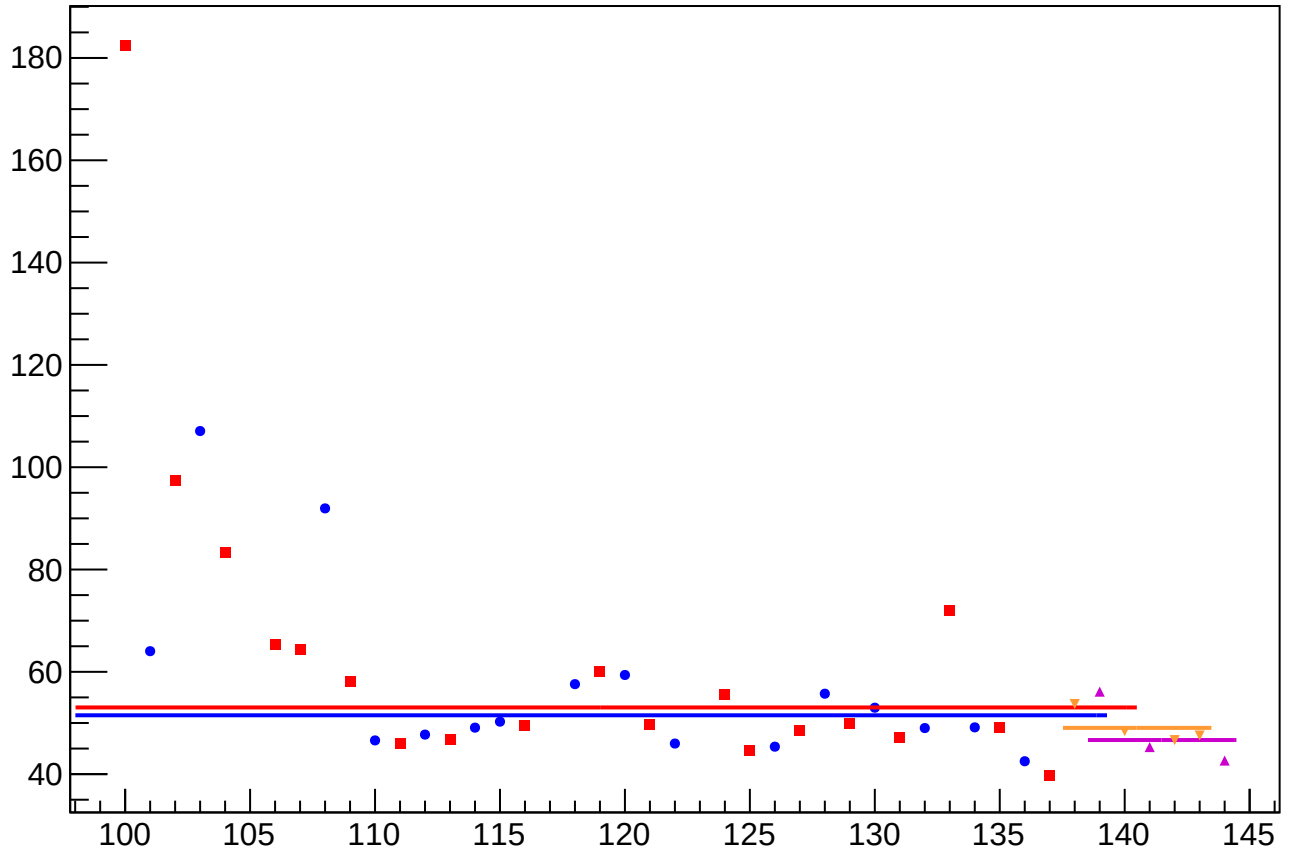
Left: -30.175+/-20.619 χ^2/NDF: 7.1/6

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 8.335+/-16.403 χ^2/NDF:19.3/18

Out: 21.517+/-16.630 χ^2/NDF:30.5/22

All: 14.836+/-11.678 χ^2/NDF: 50.2/41



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.5/3

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.670+/-0.021 χ^2/NDF:65134.3/2

Left: 47.856+/-0.015 χ^2/NDF: 87510.4/6

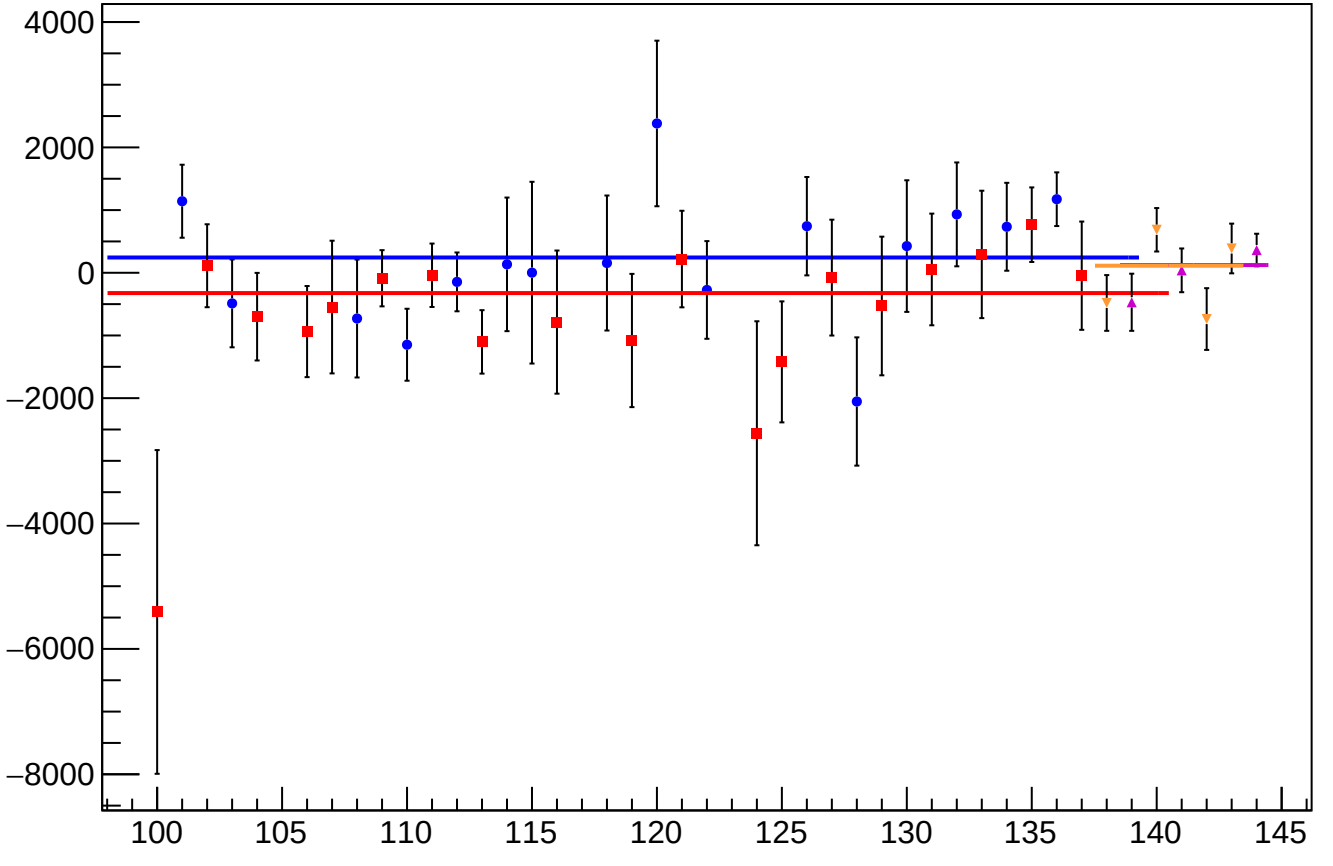
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.972+/-0.012 χ^2/NDF:769833.9/18

Out: 51.742+/-0.012 χ^2/NDF:753889.9/22

All: 50.845+/-0.008 χ^2/NDF: 1535208.9/41

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 112.932+/-204.661 χ^2/NDF:8.0/3

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 123.167+/-189.524 χ^2/NDF:2.6/2

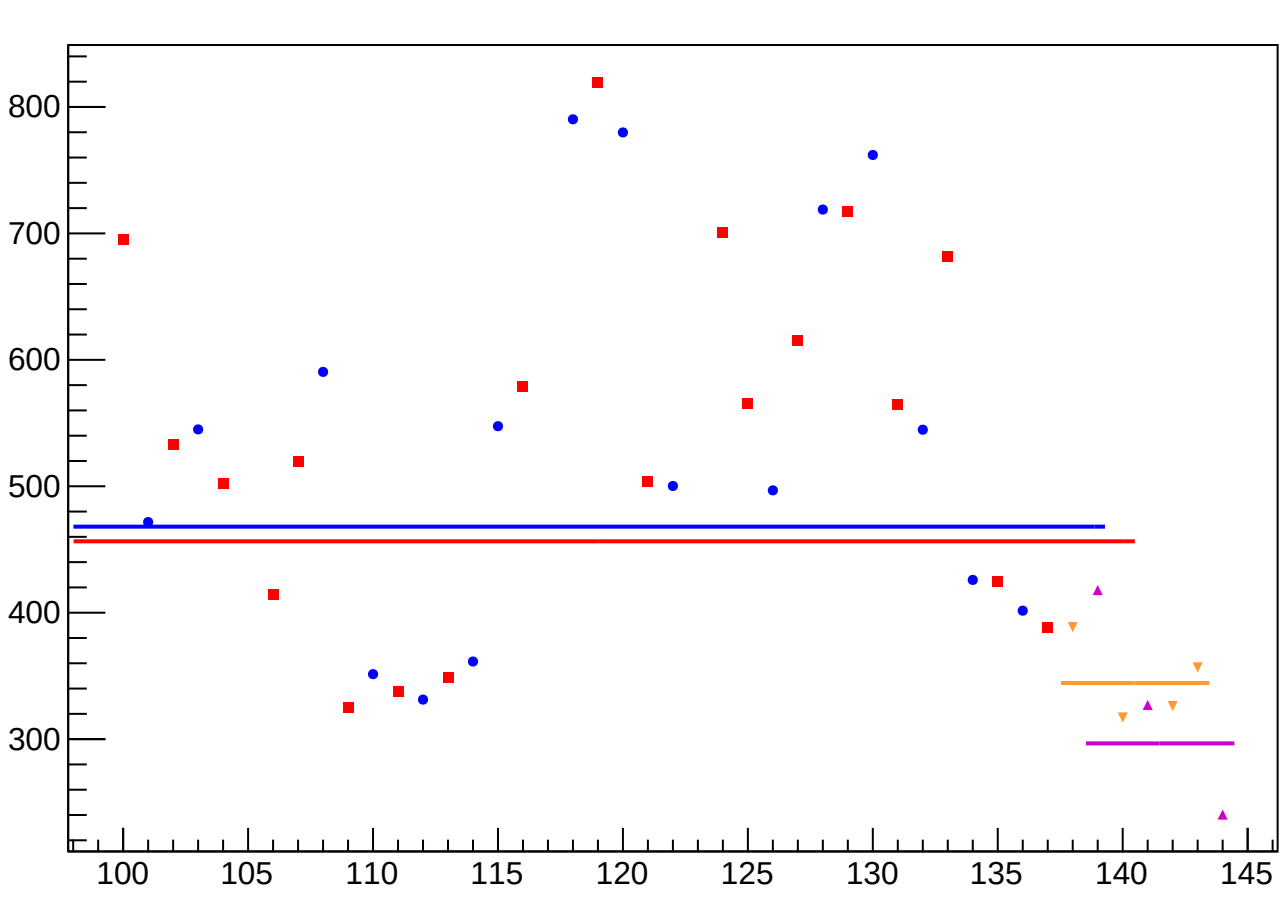
Left: 118.442+/-139.058 χ^2/NDF: 10.6/6

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 186.314+/-130.848 χ^2/NDF:28.4/18

Out: -140.917+/-132.402 χ^2/NDF:27.1/22

All: 24.631+/-93.068 χ^2/NDF: 58.6/41



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 344.388+/-0.145 χ^2/NDF:36857.8/3

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 296.642+/-0.134 χ^2/NDF:250658.4/2

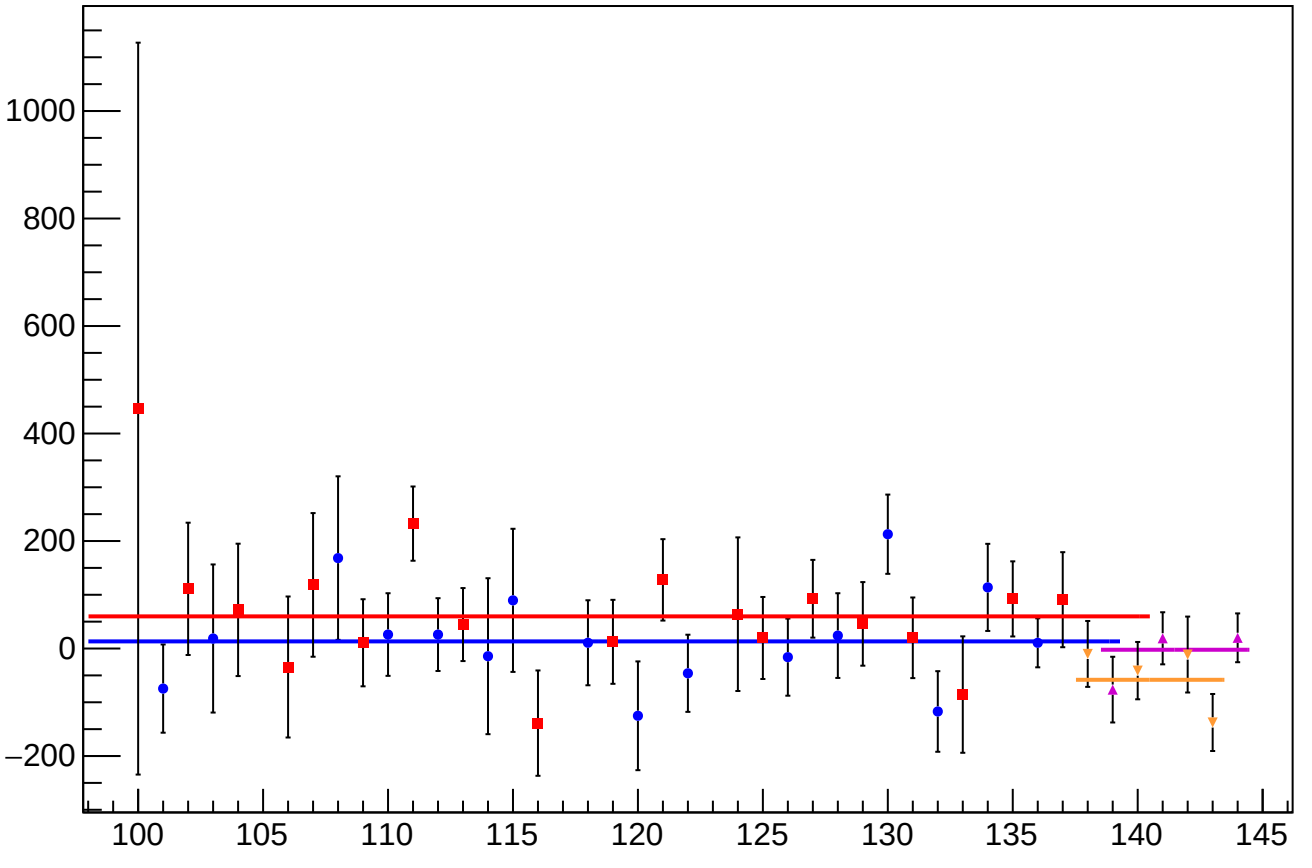
Left: 318.684+/-0.098 χ^2/NDF: 346114.4/6

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 386.356+/-0.093 χ^2/NDF:2089883.4/18

Out: 409.560+/-0.094 χ^2/NDF:1468205.0/22

All: 397.821+/-0.066 χ^2/NDF: 3589164.5/41



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -2.285+/-29.129 χ^2/NDF:1.9/2

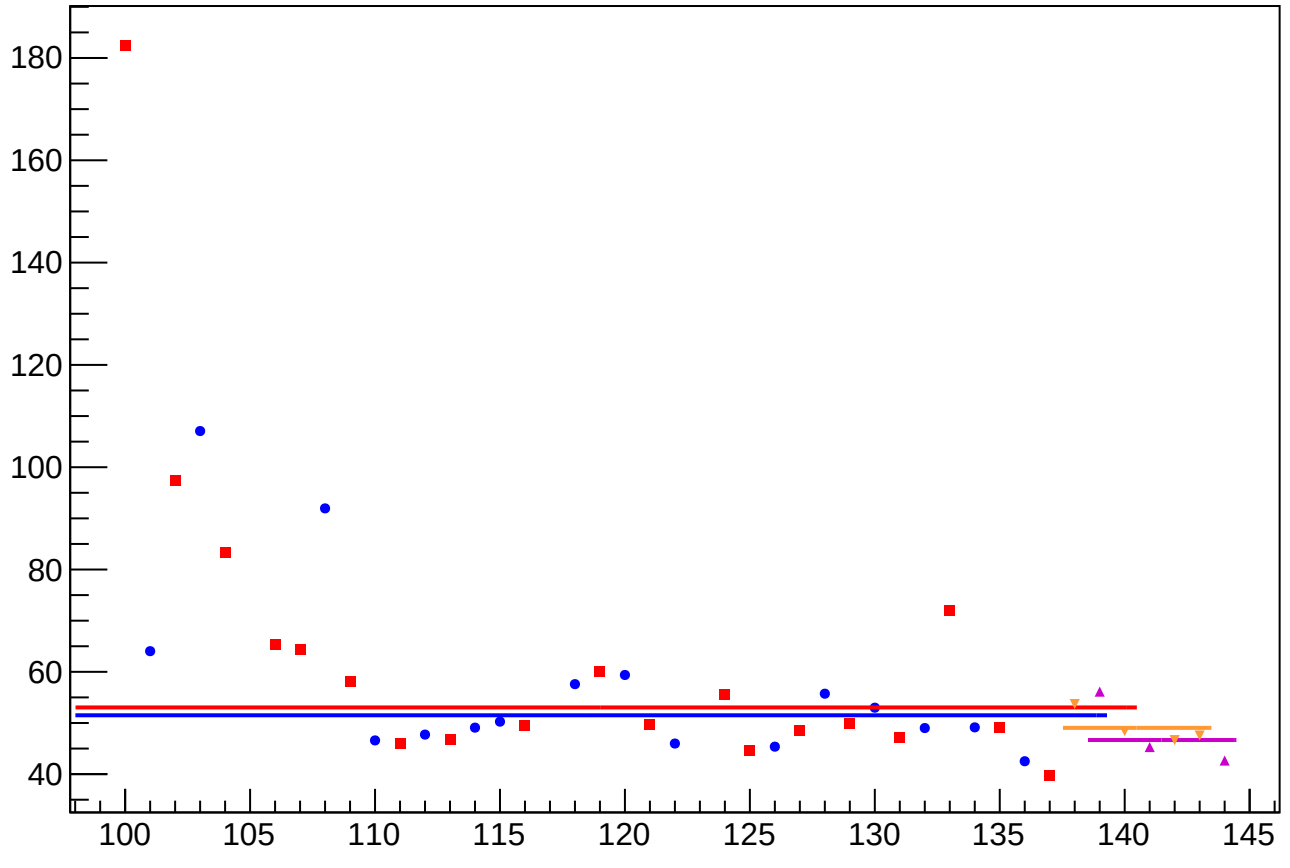
Left: -30.175+/-20.619 χ^2/NDF: 7.1/6

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 8.335+/-16.403 χ^2/NDF:19.3/18

Out: 21.518+/-16.630 χ^2/NDF:30.5/22

All: 14.836+/-11.678 χ^2/NDF: 50.2/41



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.7/3

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.670+/-0.021 χ^2/NDF:65134.1/2

Left: 47.856+/-0.015 χ^2/NDF: 87510.7/6

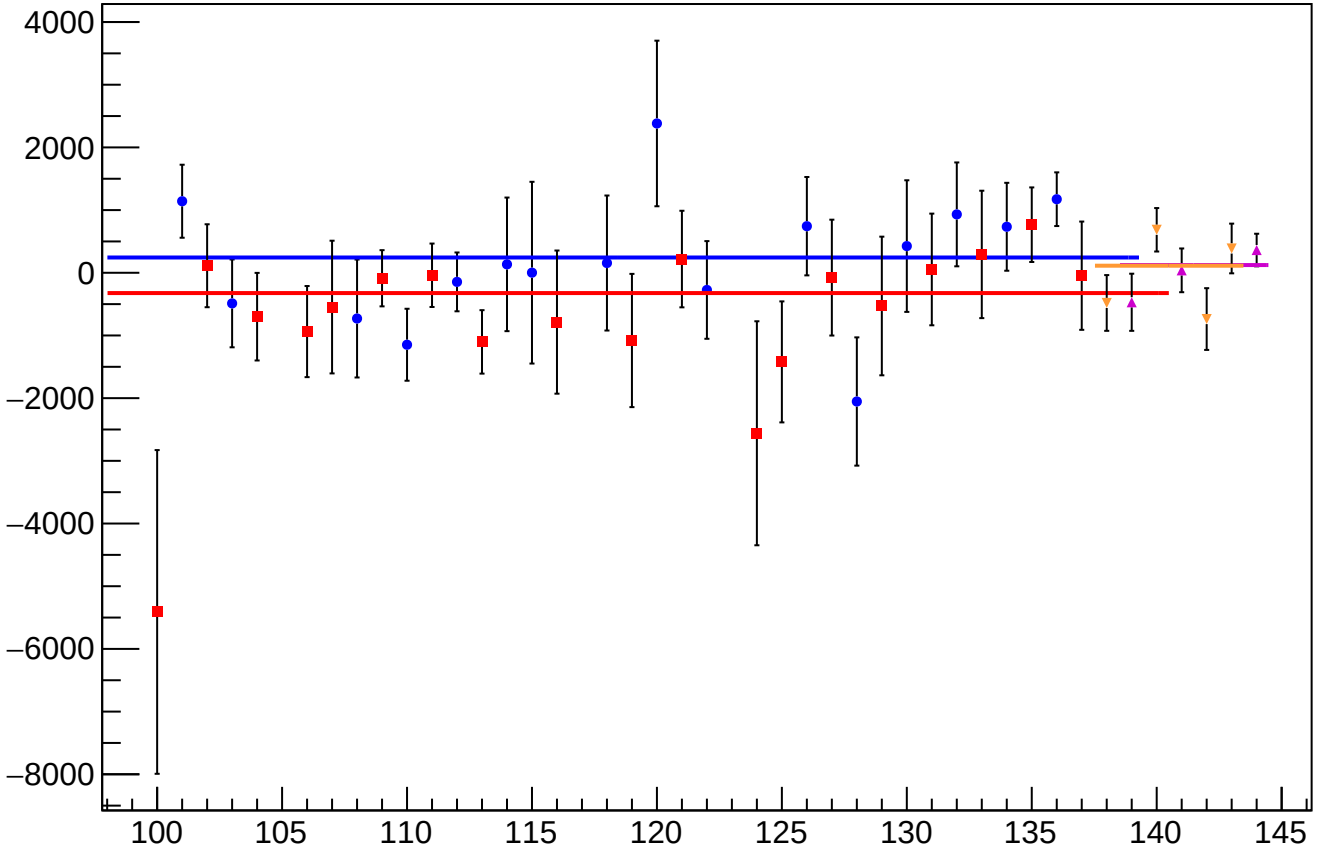
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.972+/-0.012 χ^2/NDF:769838.6/18

Out: 51.742+/-0.012 χ^2/NDF:753899.2/22

All: 50.845+/-0.008 χ^2/NDF: 1535223.3/41

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: 112.934+/-204.661 χ^2/NDF:8.0/3

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 123.168+/-189.524 χ^2/NDF:2.6/2

Left: 118.443+/-139.058 χ^2/NDF: 10.6/6

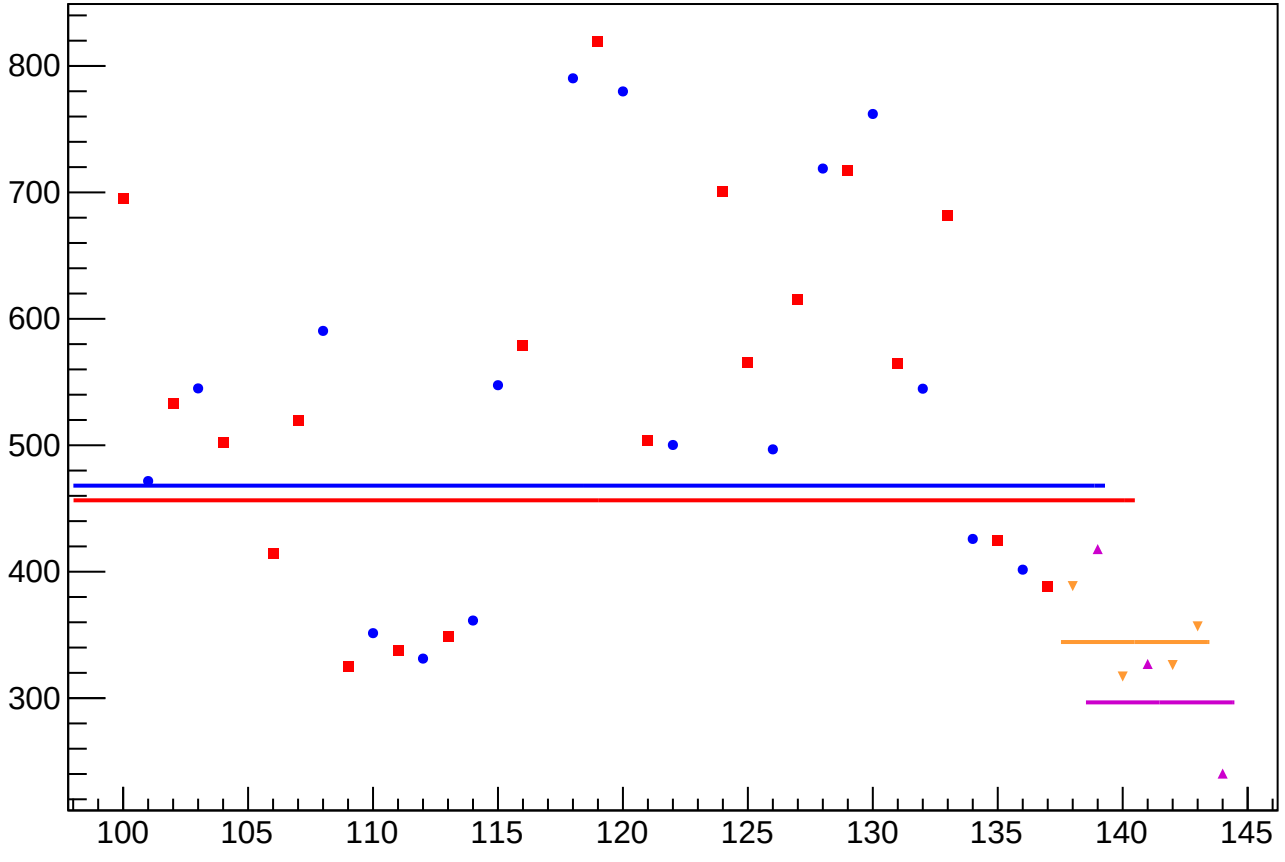
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 186.314+/-130.848 χ^2/NDF:28.4/18

Out: -140.917+/-132.402 χ^2/NDF:27.1/22

All: 24.631+/-93.068 χ^2/NDF: 58.6/41

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: 344.388+/-0.145 χ^2/NDF:36857.8/3

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 296.642+/-0.134 χ^2/NDF:250660.2/2

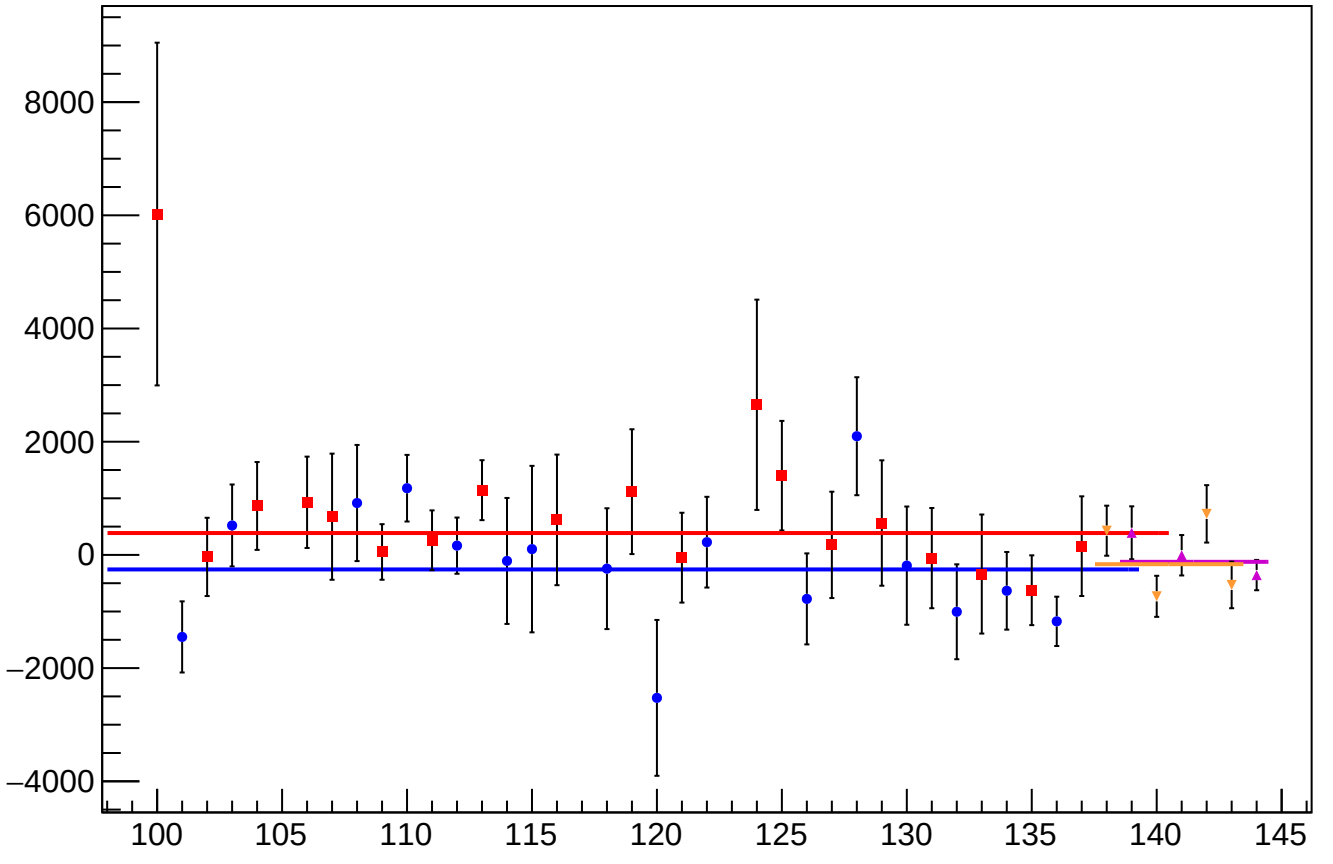
Left: 318.684+/-0.098 χ^2/NDF: 346116.2/6

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 386.356+/-0.093 χ^2/NDF:2089878.3/18

Out: 409.559+/-0.094 χ^2/NDF:1468196.7/22

All: 397.821+/-0.066 χ^2/NDF: 3589150.9/41



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -163.808+/-210.817 χ^2/NDF:8.1/3

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -122.227+/-194.748 χ^2/NDF:2.1/2

Left: -141.373+/-143.051 χ^2/NDF: 10.2/6

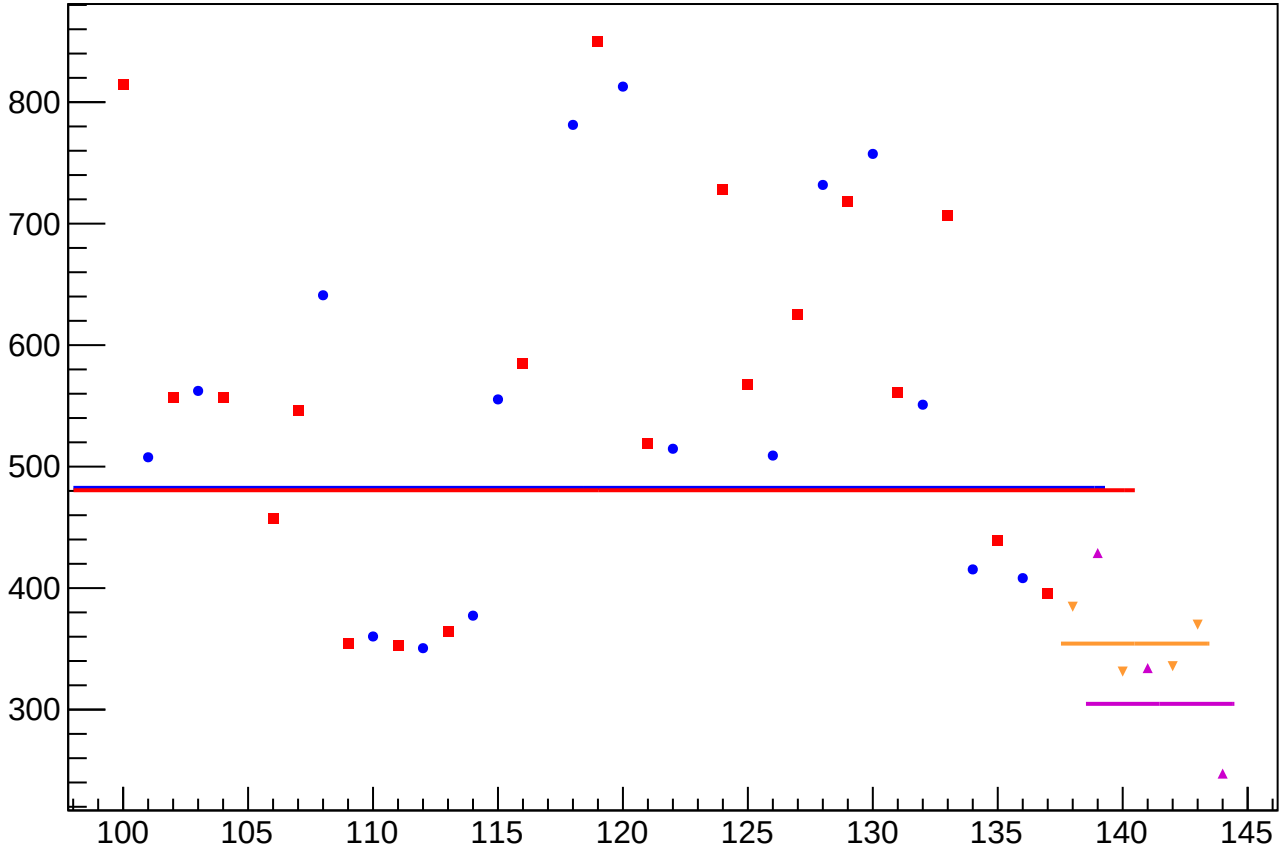
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -192.410+/-134.682 χ^2/NDF:29.3/18

Out: 150.935+/-137.921 χ^2/NDF:26.2/22

All: -24.817+/-96.360 χ^2/NDF: 58.7/41

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 354.324+/-0.149 χ^2/NDF:23044.8/3

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 304.733+/-0.138 χ^2/NDF:246645.5/2

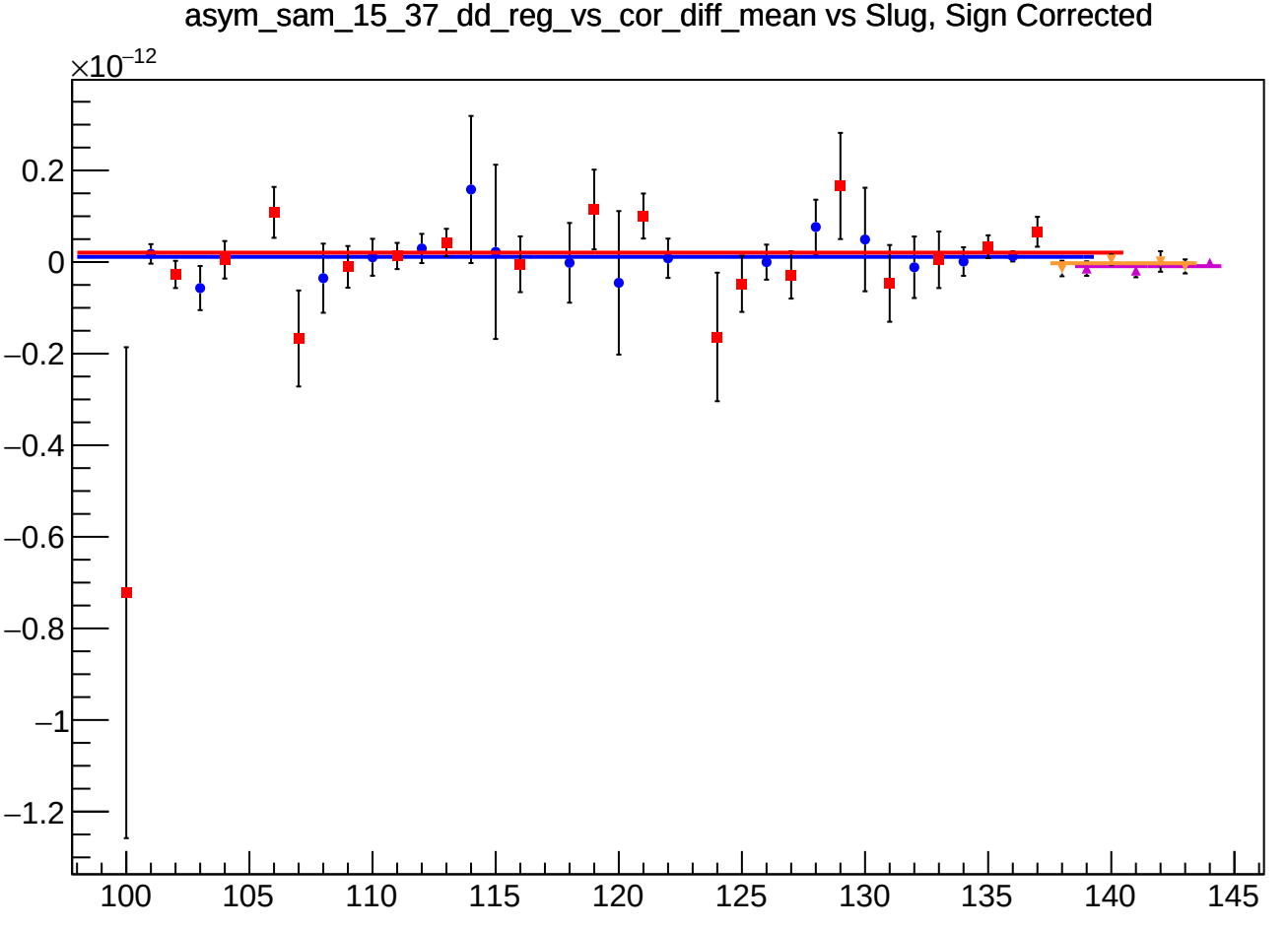
Left: 327.567+/-0.101 χ^2/NDF: 329401.7/6

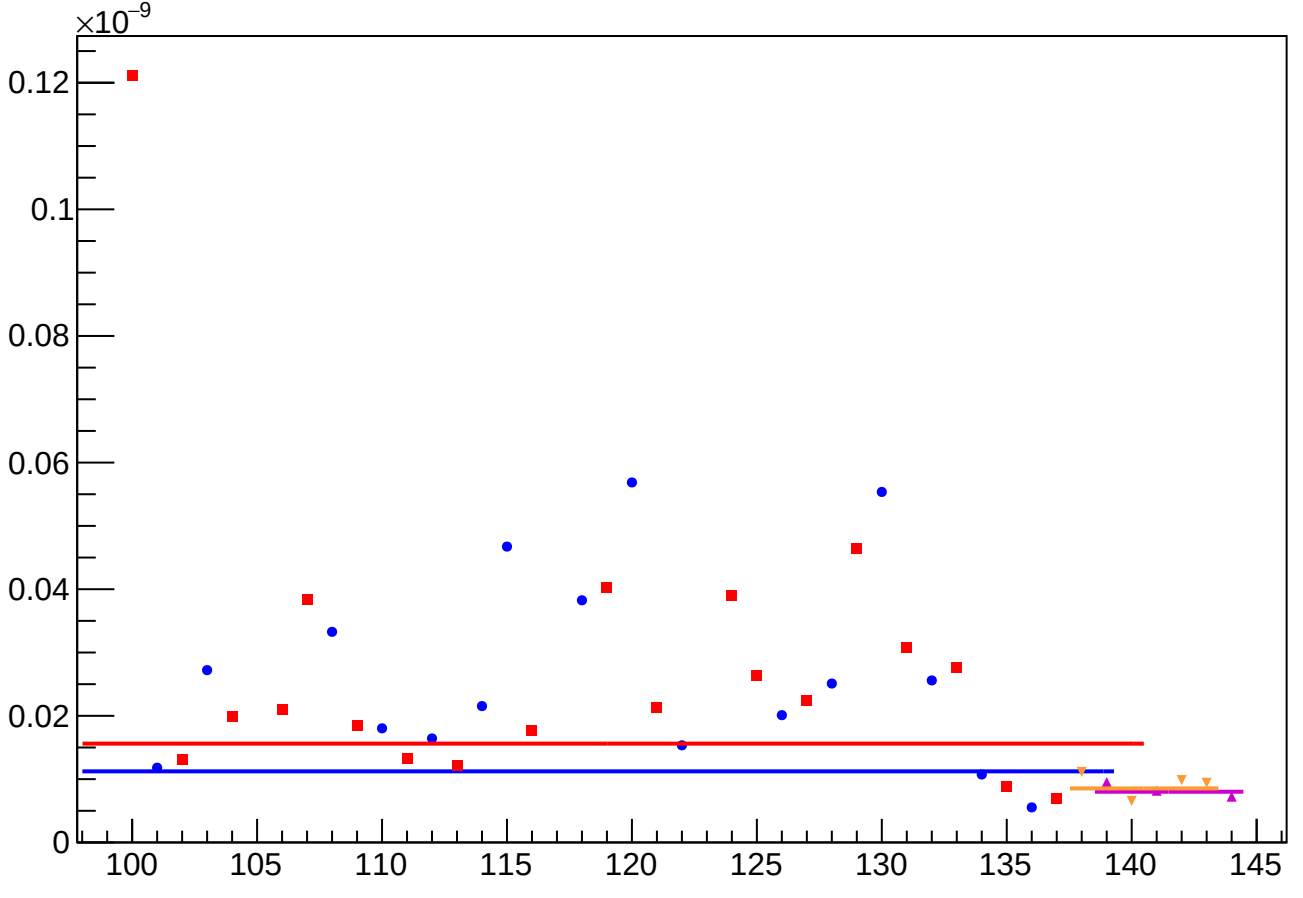
Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 397.485+/-0.095 χ^2/NDF:2062711.1/18

Out: 426.529+/-0.098 χ^2/NDF:1427018.1/22

All: 411.662+/-0.068 χ^2/NDF: 3535129.6/41


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: -0.000+/-0.000 χ²/NDF:1.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/2
Left: -0.000+/-0.000 χ²/NDF: 2.6/6
Right: 0.000+/-0.000 χ²/NDF: 29.7/34
In: 0.000+/-0.000 χ²/NDF:9.9/18
Out: 0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 38.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:121906.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:29228.7/2

Left: 0.000+/-0.000 χ^2/NDF: 155929.5/6

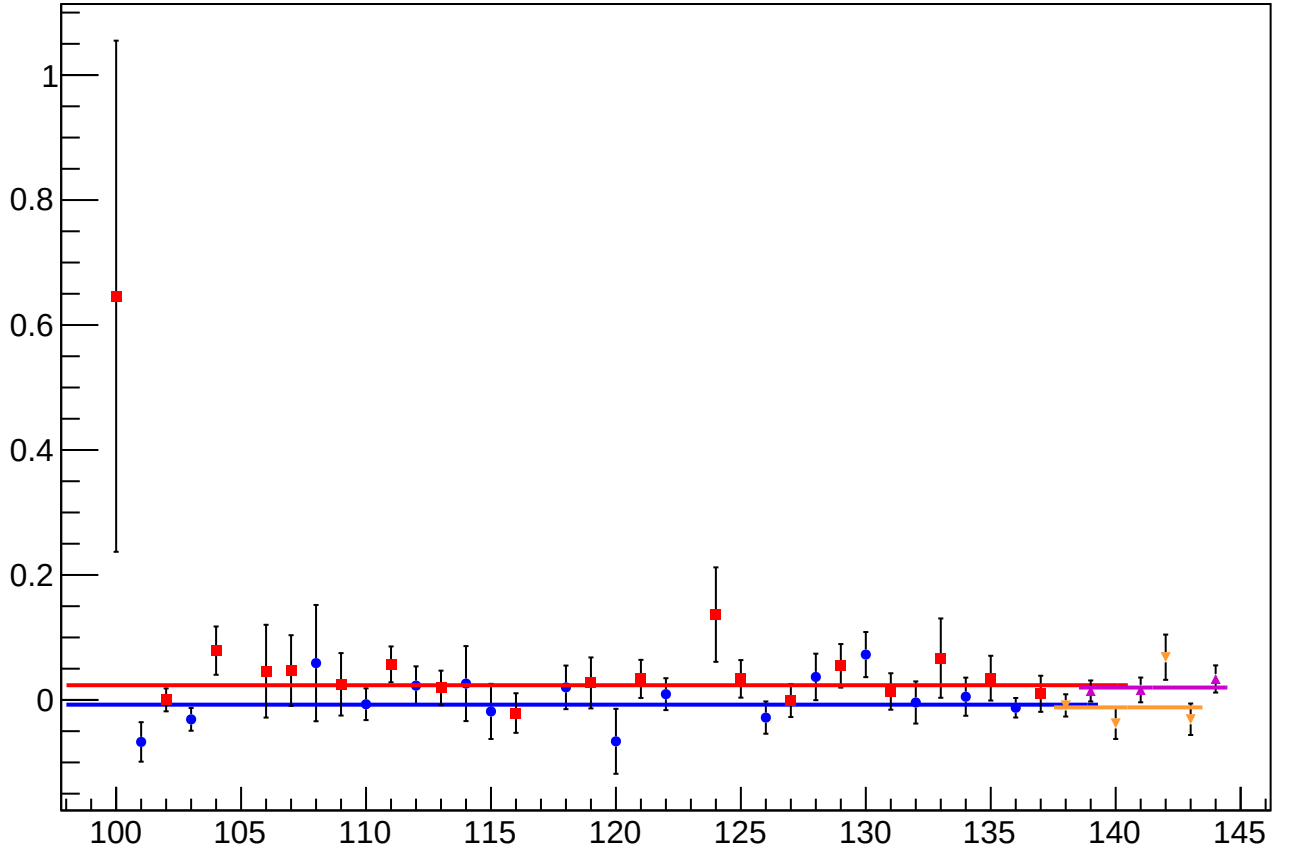
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2303846.1/18

Out: 0.000+/-0.000 χ^2/NDF:1924126.5/22

All: 0.000+/-0.000 χ^2/NDF: 4293932.7/41

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+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.020+/-0.011 χ^2/NDF:0.5/2

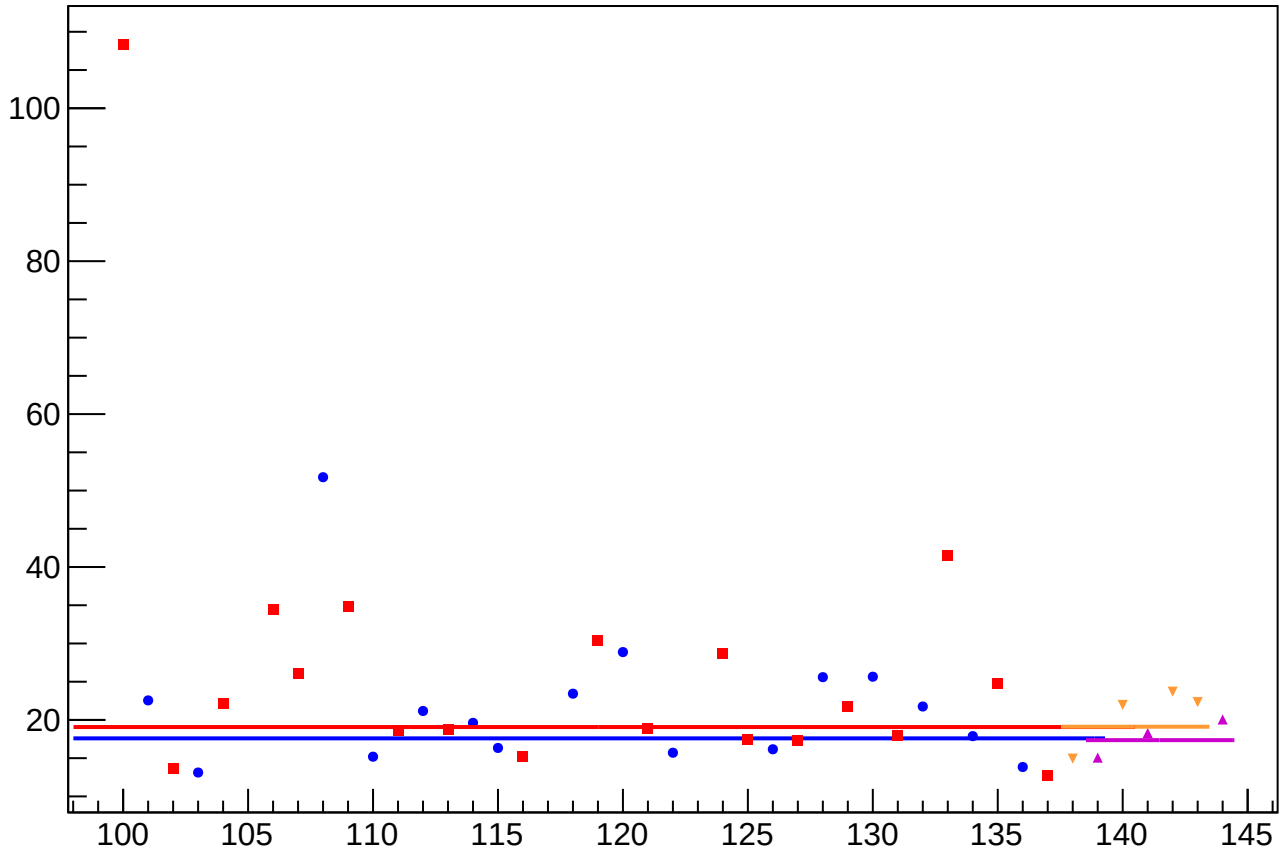
Left: 0.005+/-0.008 χ^2/NDF: 11.0/6

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/18

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.006+/-0.004 χ^2/NDF: 51.0/41



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.115+/-0.008 χ^2/NDF:200686.4/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.357+/-0.008 χ^2/NDF:72364.2/2

Left: 18.173+/-0.006 χ^2/NDF: 296567.5/6

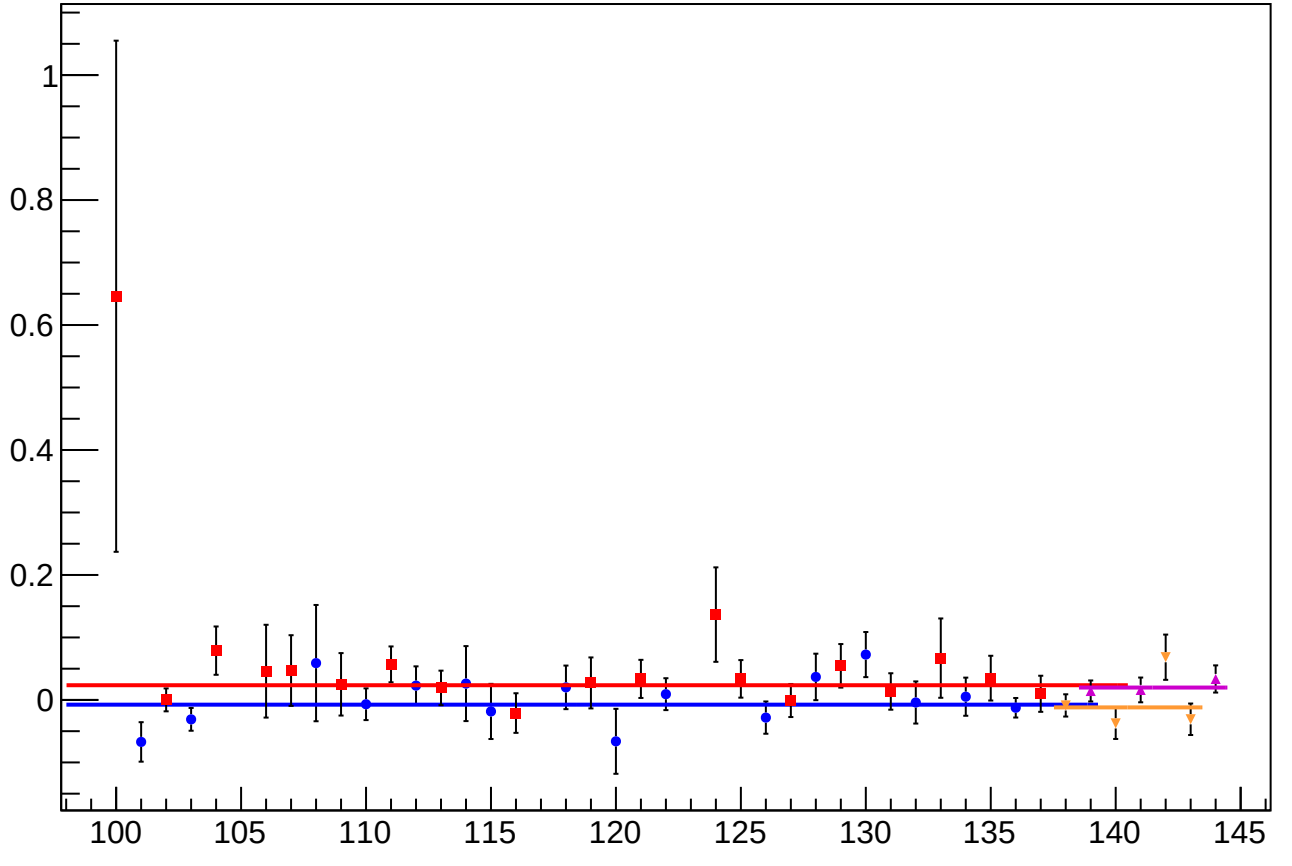
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.522+/-0.004 χ^2/NDF:1066243.4/18

Out: 19.085+/-0.005 χ^2/NDF:1448688.0/22

All: 18.247+/-0.003 χ^2/NDF: 2577254.1/41

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+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.020+/-0.011 χ^2/NDF:0.5/2

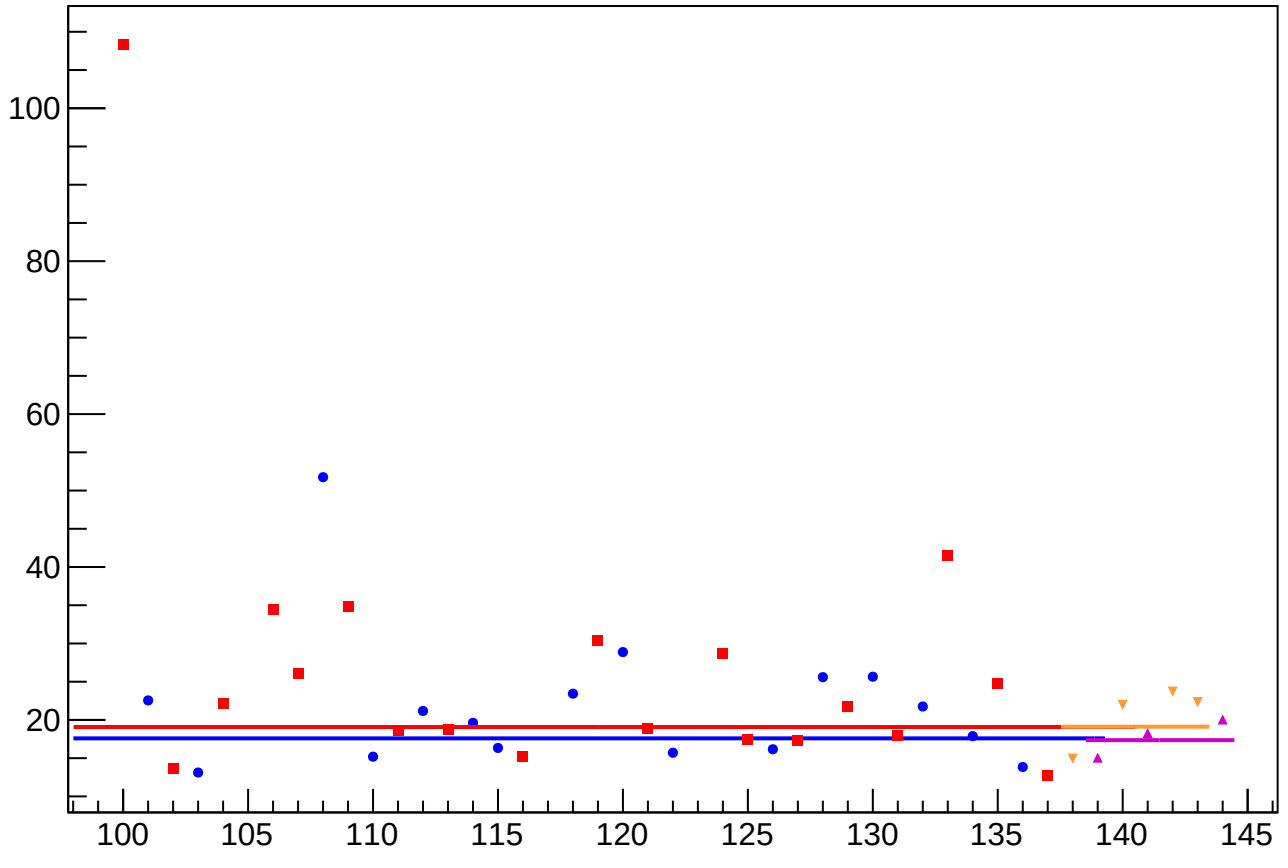
Left: 0.005+/-0.008 χ^2/NDF: 11.0/6

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/18

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.006+/-0.004 χ^2/NDF: 51.0/41



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.115+/-0.008 χ^2/NDF:200686.4/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.357+/-0.008 χ^2/NDF:72364.2/2

Left: 18.173+/-0.006 χ^2/NDF: 296567.5/6

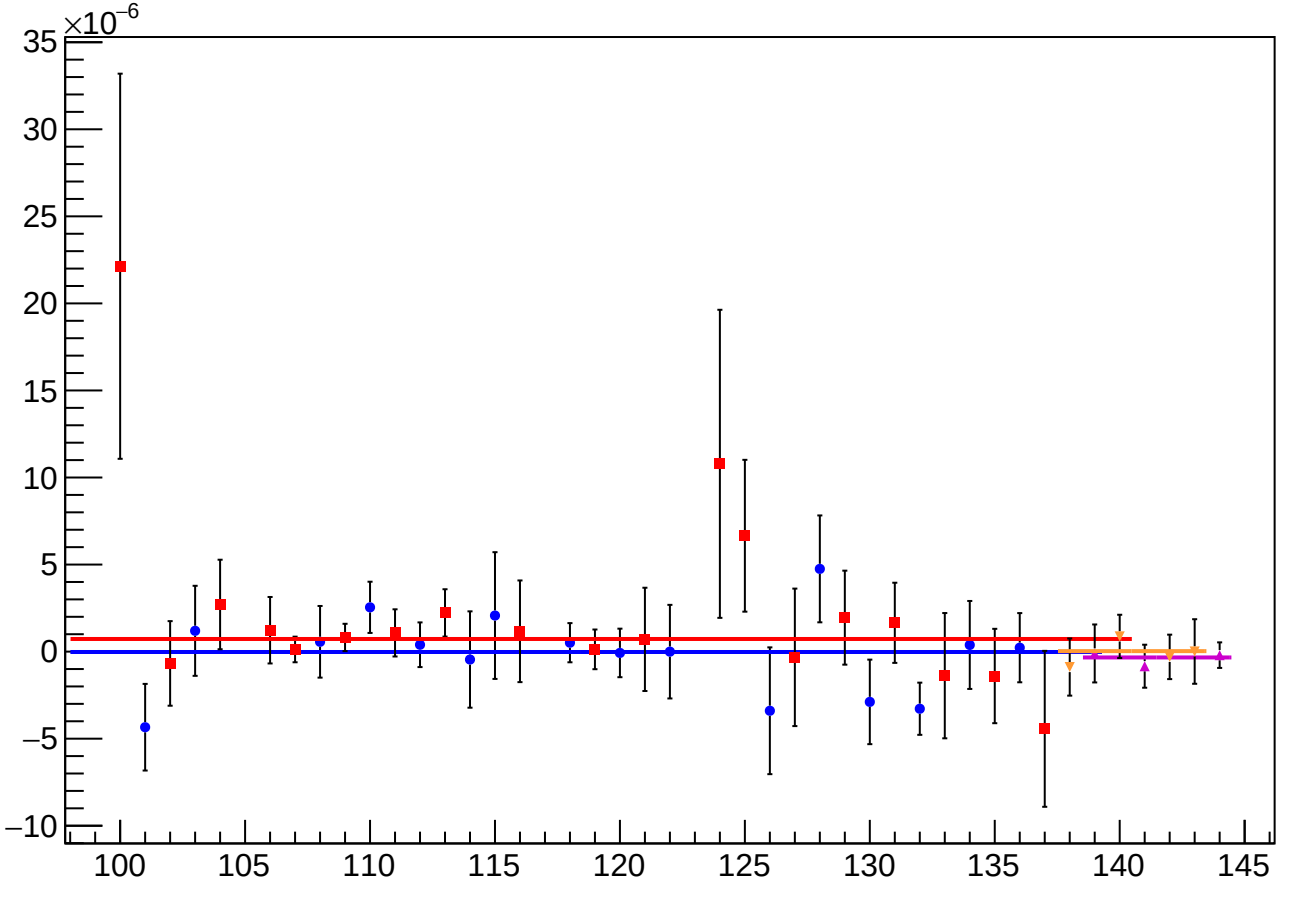
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.522+/-0.004 χ^2/NDF:1066243.4/18

Out: 19.085+/-0.005 χ^2/NDF:1448688.0/22

All: 18.247+/-0.003 χ^2/NDF: 2577254.1/41

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:0.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/2

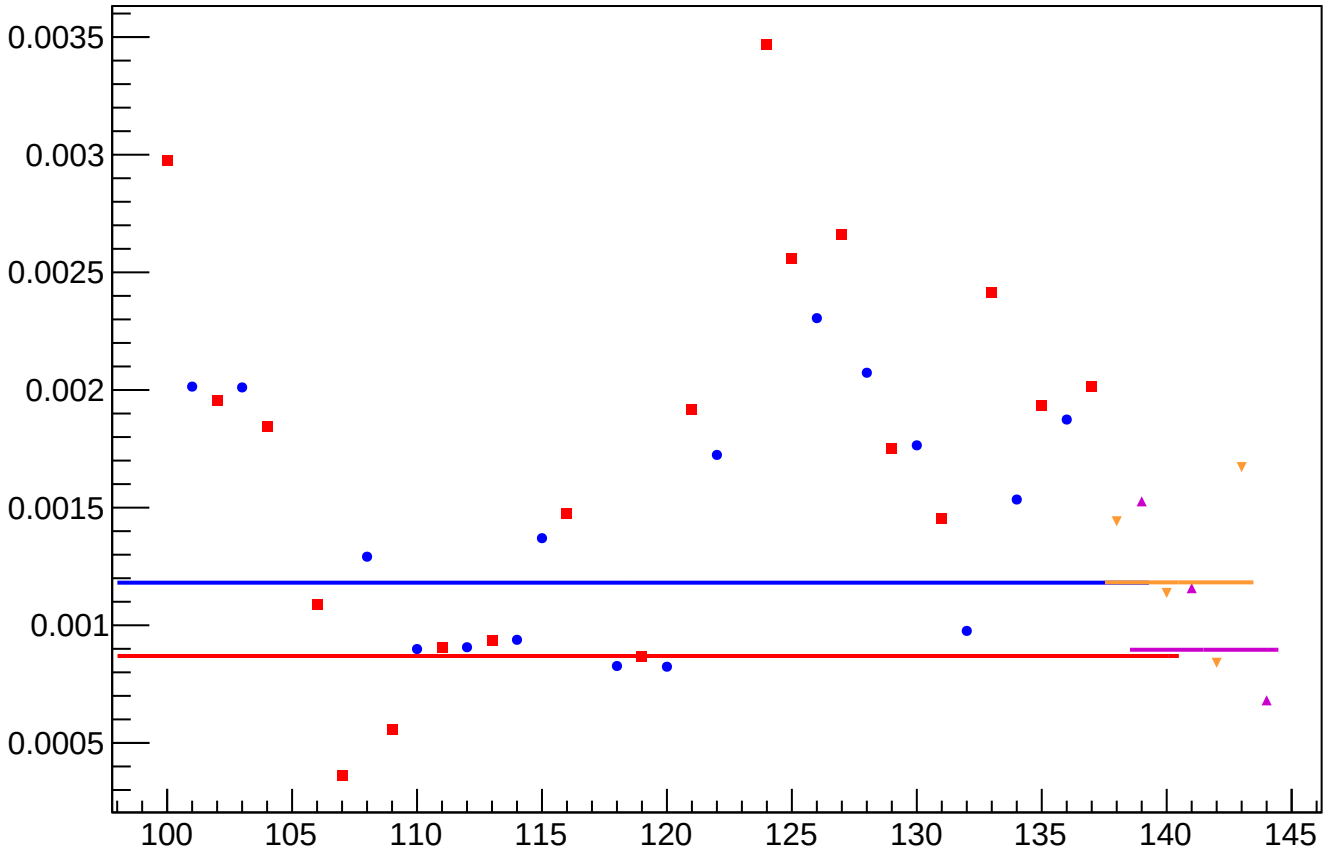
Left: -0.000+/-0.000 χ^2/NDF: 1.2/6

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:16.9/18

Out: 0.000+/-0.000 χ^2/NDF:14.5/22

All: 0.000+/-0.000 χ^2/NDF: 33.4/41



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:335613.1/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:548526.3/2

Left: 0.001+/-0.000 χ^2/NDF: 1073115.6/6

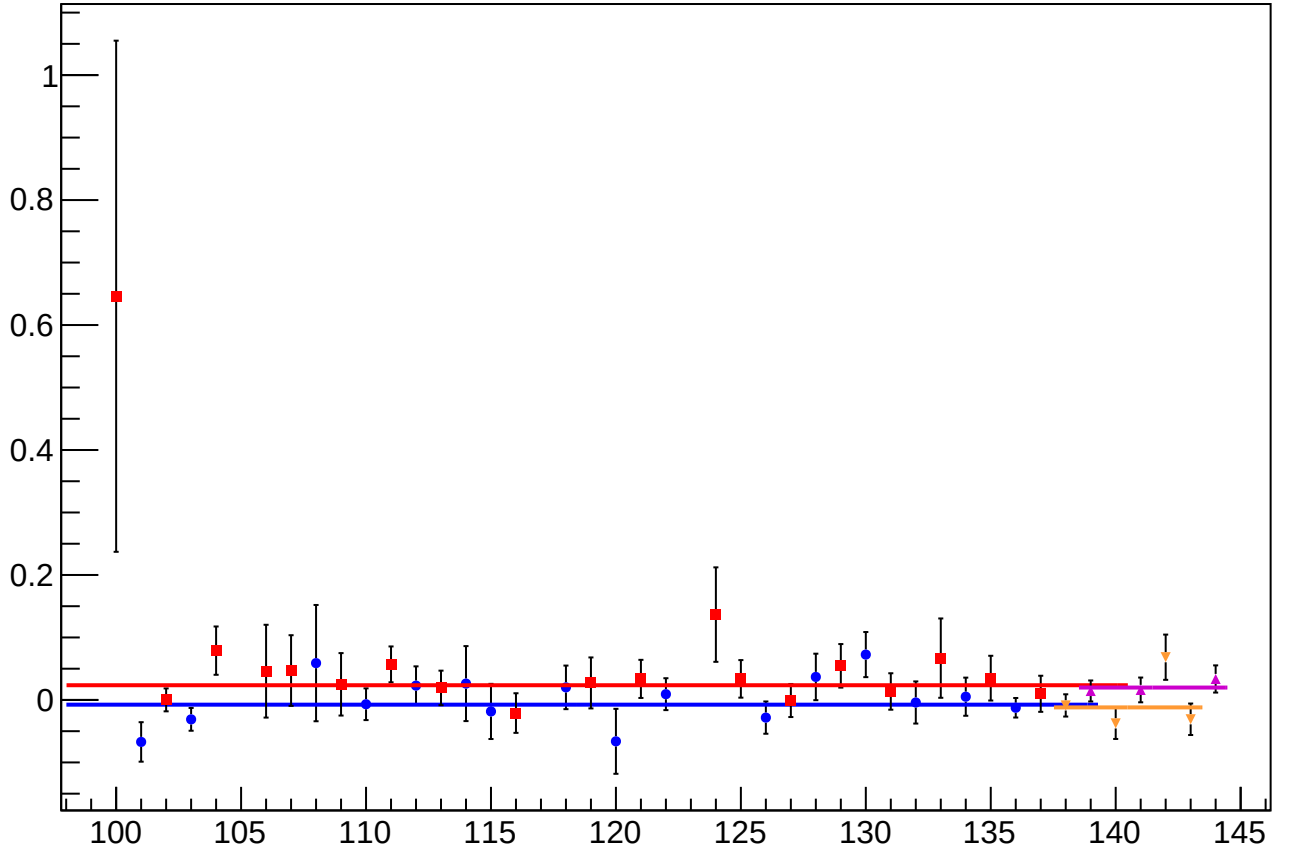
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:2661265.7/18

Out: 0.001+/-0.000 χ^2/NDF:5065426.5/22

All: 0.001+/-0.000 χ^2/NDF: 7865859.2/41

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+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.020+/-0.011 χ^2/NDF:0.5/2

Left: 0.005+/-0.008 χ^2/NDF: 11.0/6

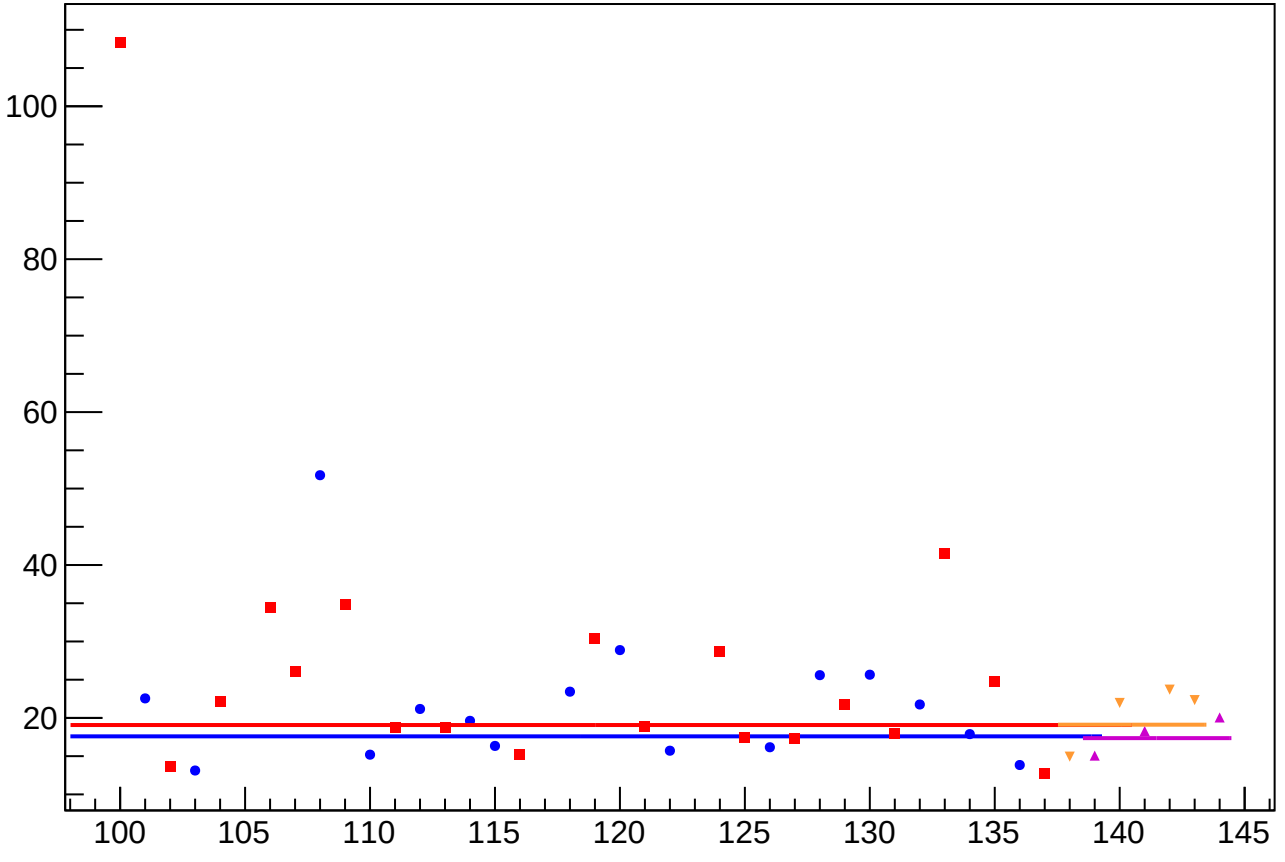
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/18

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.006+/-0.004 χ^2/NDF: 51.0/41

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: 19.115+/-0.008 χ^2/NDF:200688.5/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.358+/-0.008 χ^2/NDF:72357.5/2

Left: 18.173+/-0.006 χ^2/NDF: 296559.6/6

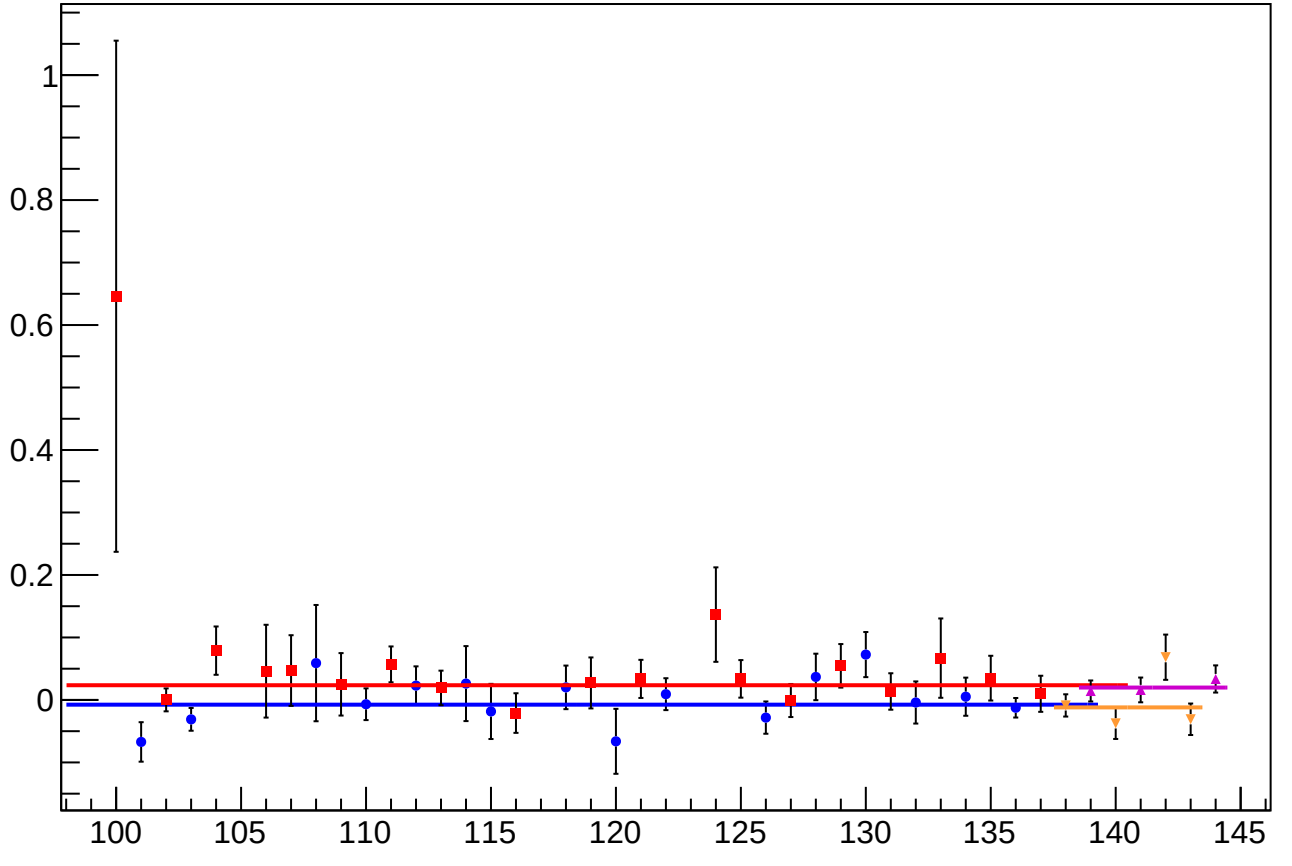
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.522+/-0.004 χ^2/NDF:1066274.7/18

Out: 19.085+/-0.005 χ^2/NDF:1448611.6/22

All: 18.247+/-0.003 χ^2/NDF: 2577221.7/41

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+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.020+/-0.011 χ^2/NDF:0.5/2

Left: 0.005+/-0.008 χ^2/NDF: 11.0/6

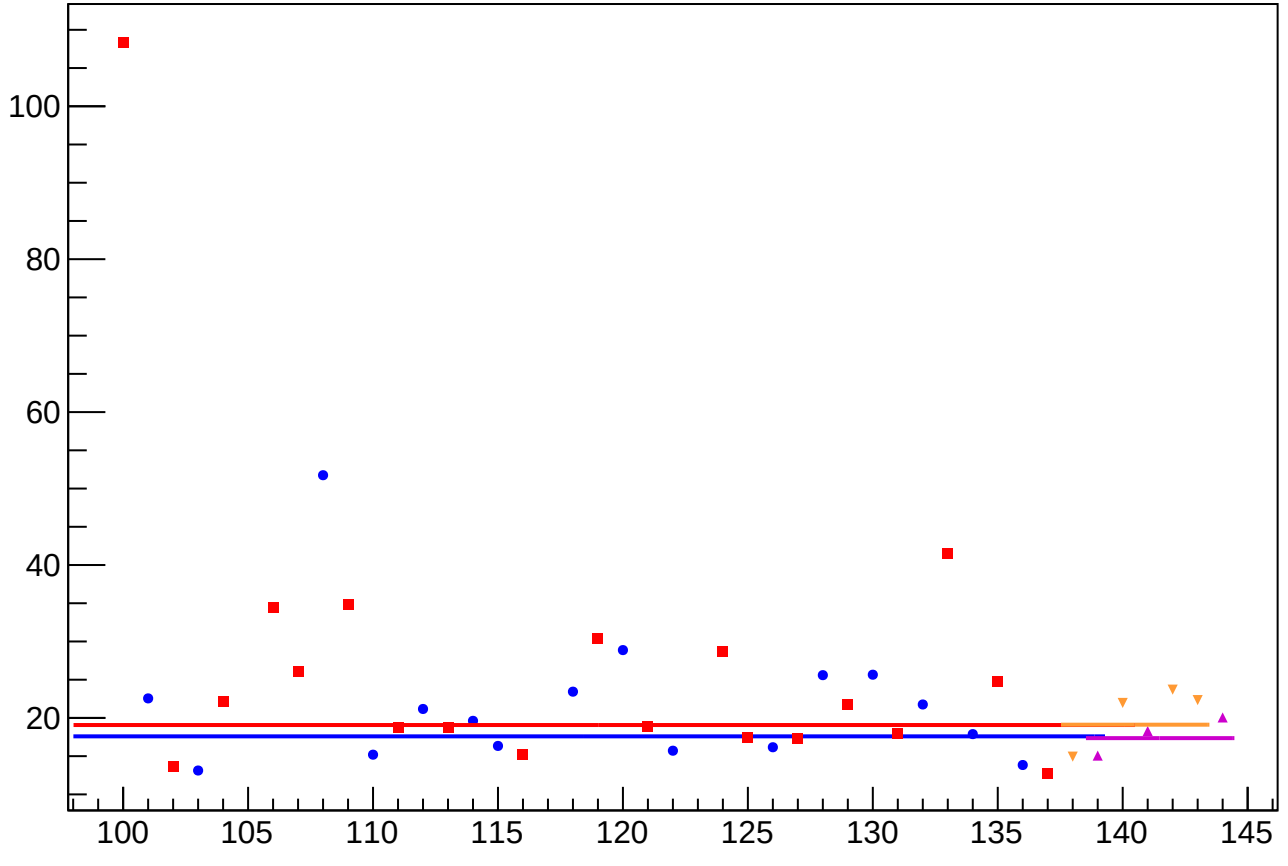
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/18

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.006+/-0.004 χ^2/NDF: 51.0/41

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: 19.115+/-0.008 χ^2/NDF:200688.5/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.358+/-0.008 χ^2/NDF:72357.5/2

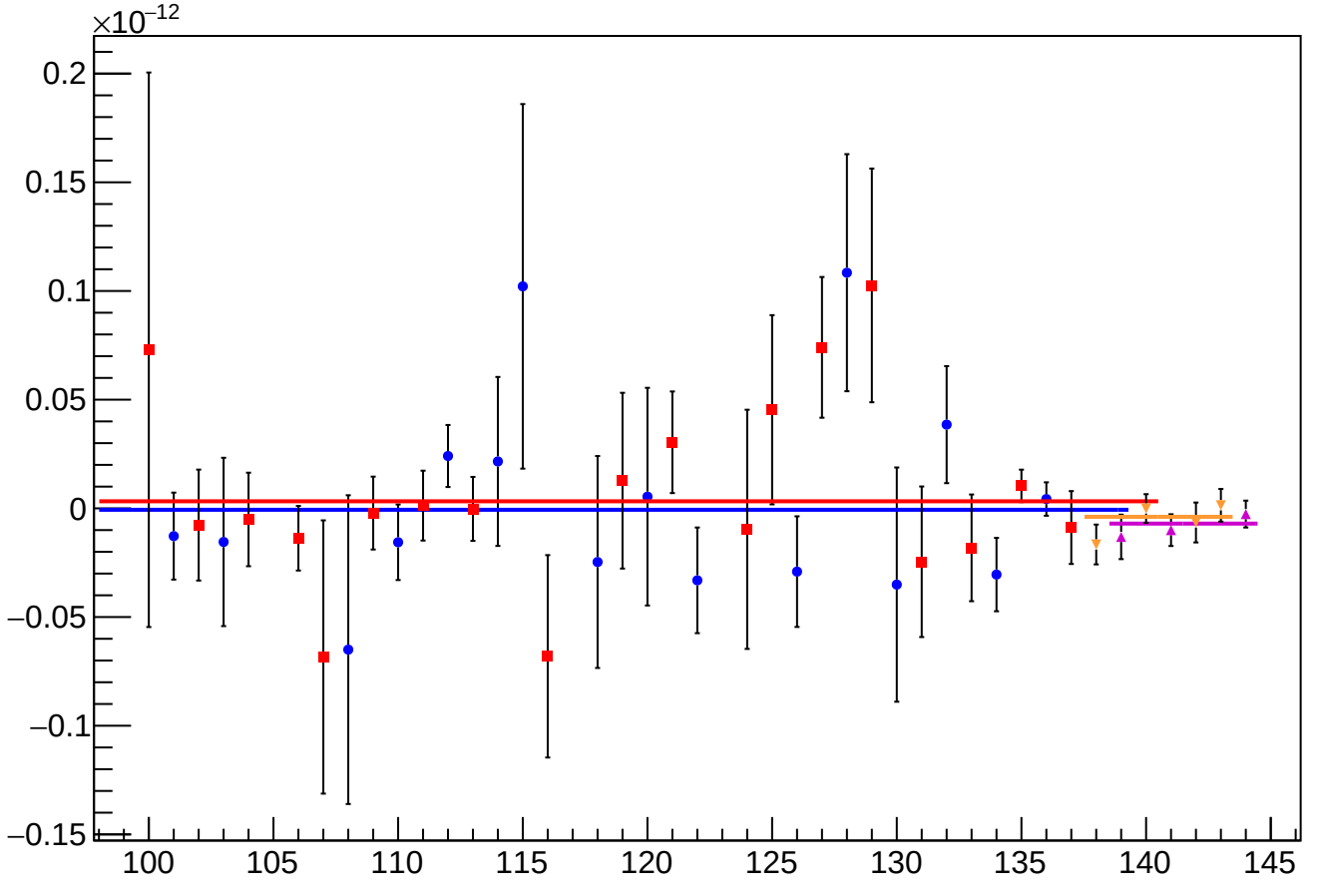
Left: 18.173+/-0.006 χ^2/NDF: 296559.6/6

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.522+/-0.004 χ^2/NDF:1066274.7/18

Out: 19.085+/-0.005 χ^2/NDF:1448611.6/22

All: 18.247+/-0.003 χ^2/NDF: 2577221.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

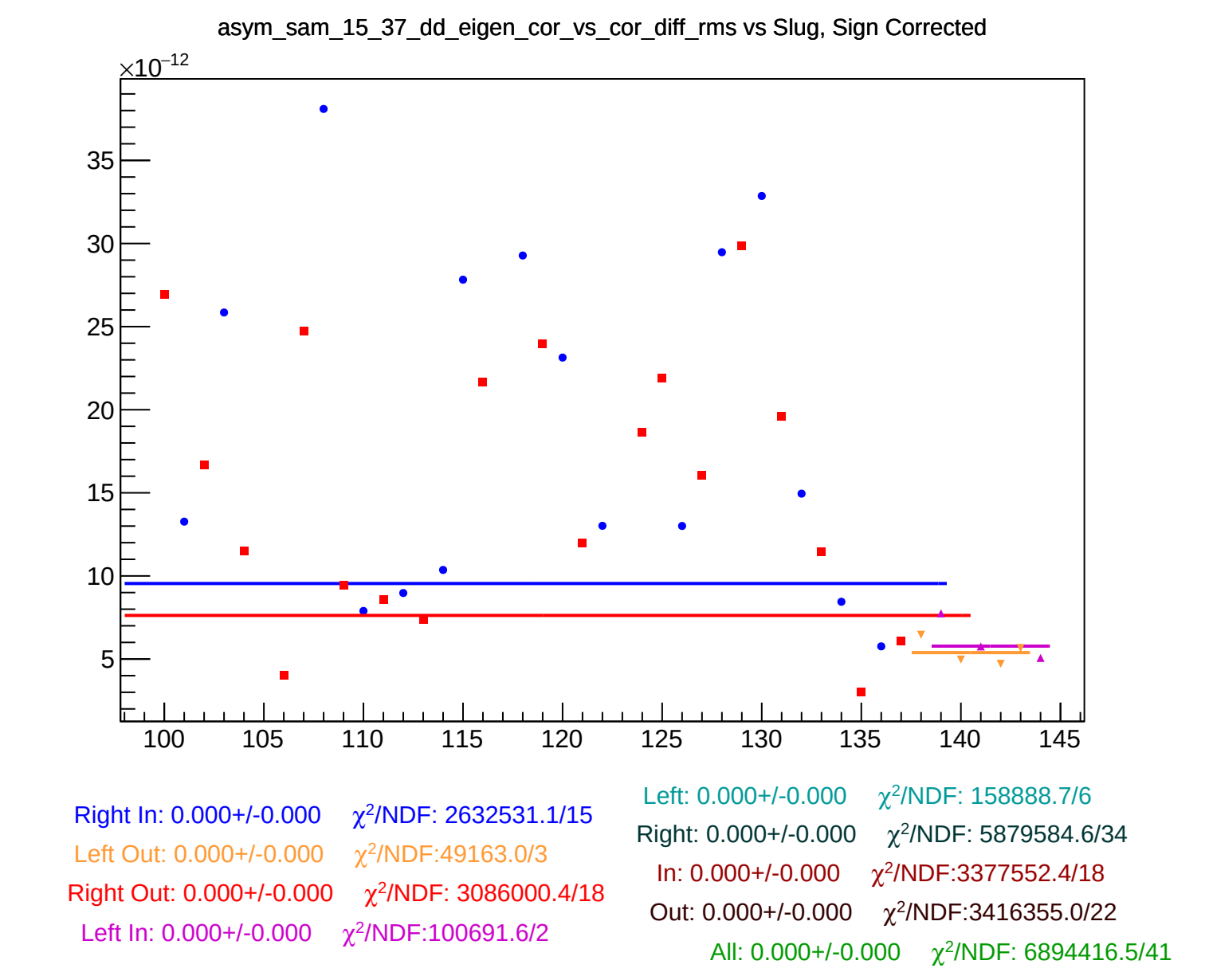
Left: -0.000+/-0.000 χ^2/NDF: 4.2/6

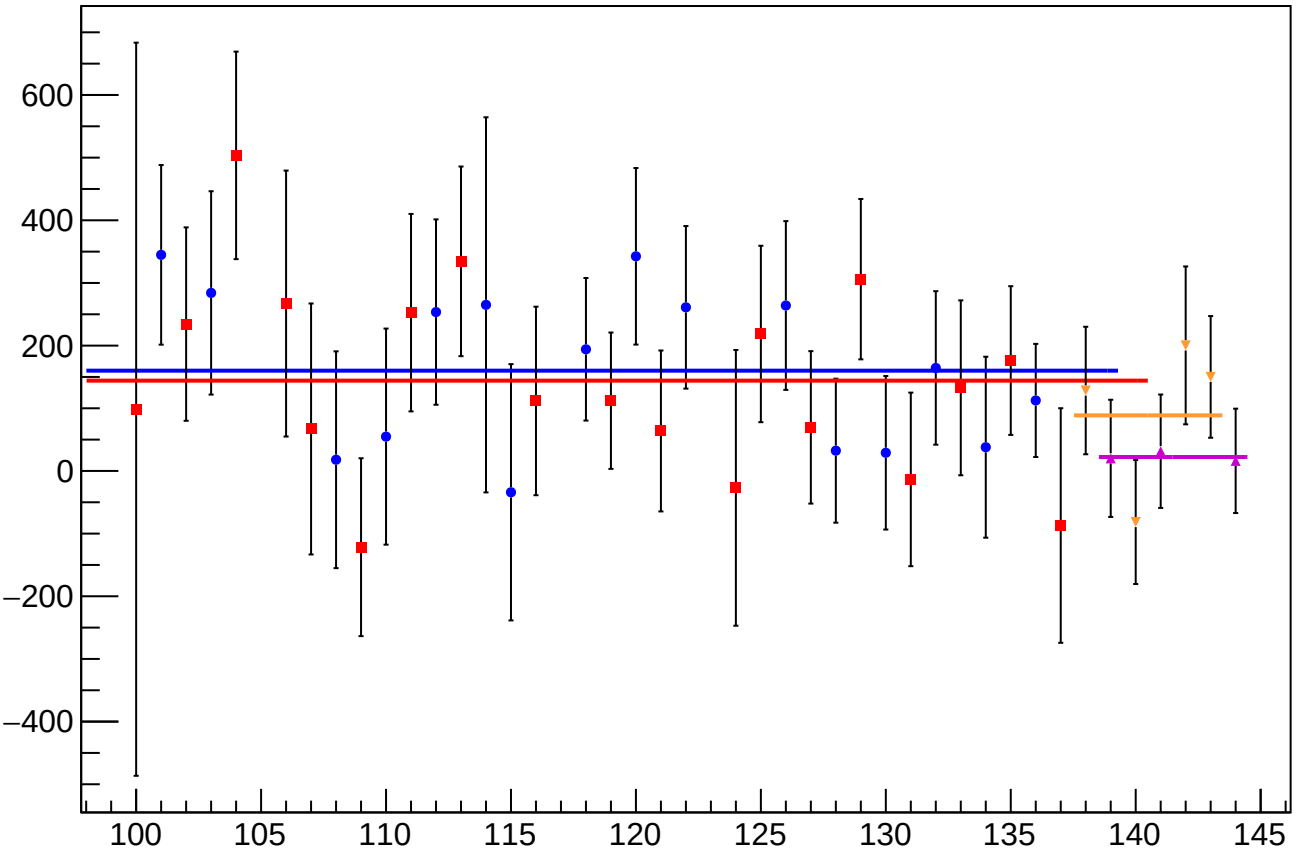
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:22.2/18

Out: -0.000+/-0.000 χ^2/NDF:23.5/22

All: -0.000+/-0.000 χ^2/NDF: 46.3/41


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:49163.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:100691.6/2
Left: 0.000+/-0.000 χ²/NDF: 158888.7/6
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3377552.4/18
Out: 0.000+/-0.000 χ²/NDF:3416355.0/22
All: 0.000+/-0.000 χ²/NDF: 6894416.5/41



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.679+/-52.138 χ^2/NDF:4.3/3

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 22.230+/-51.250 χ^2/NDF:0.0/2

Left: 54.884+/-36.549 χ^2/NDF: 5.1/6

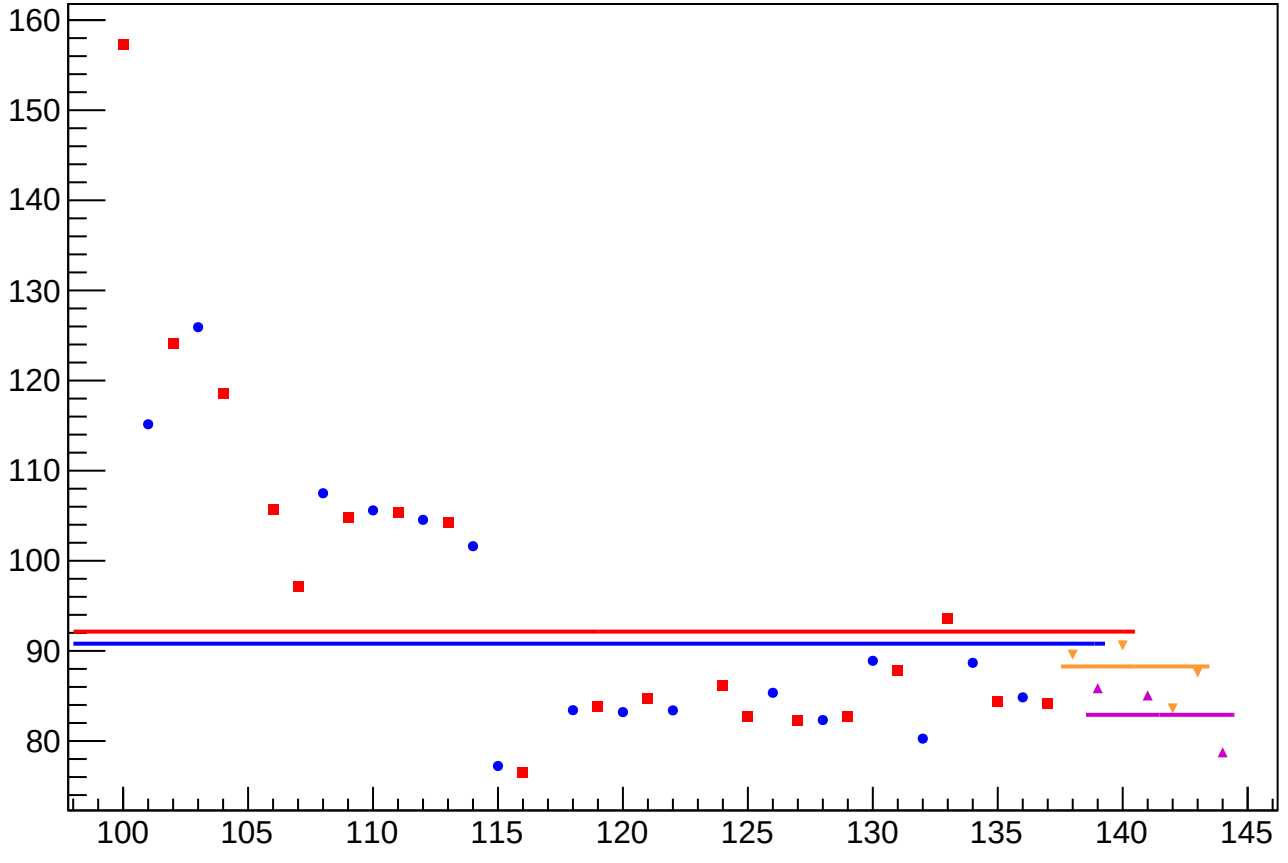
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 117.621+/-28.430 χ^2/NDF:16.1/18

Out: 127.430+/-28.605 χ^2/NDF:22.5/22

All: 122.495+/-20.165 χ^2/NDF: 38.6/41

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: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

Left: 85.544+/-0.026 χ^2/NDF: 23153.7/6

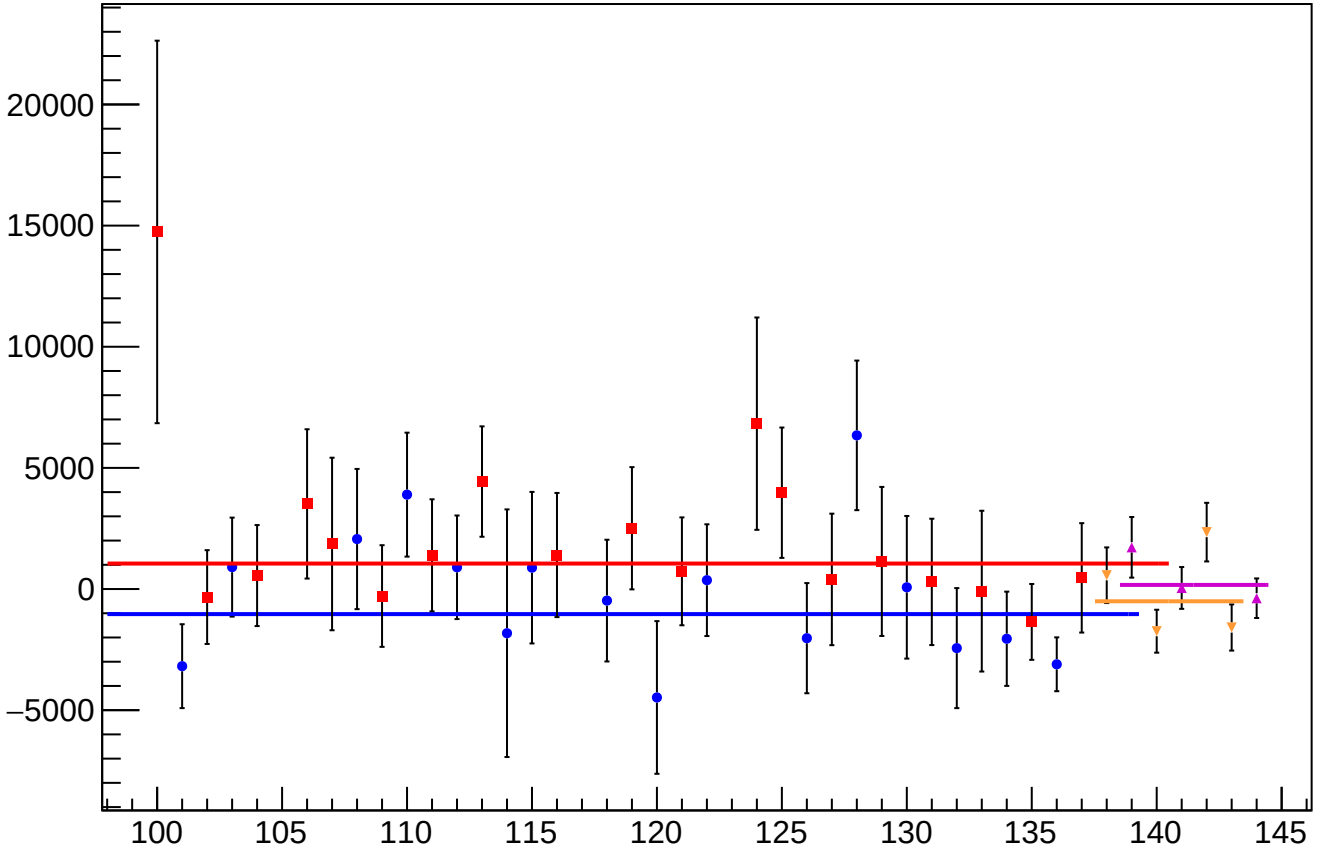
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 88.373+/-0.020 χ^2/NDF:313719.2/18

Out: 90.977+/-0.020 χ^2/NDF:314001.7/22

All: 89.667+/-0.014 χ^2/NDF: 636058.6/41

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: -505.522+/-511.872 χ^2/NDF:9.7/3

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 169.746+/-535.847 χ^2/NDF:2.0/2

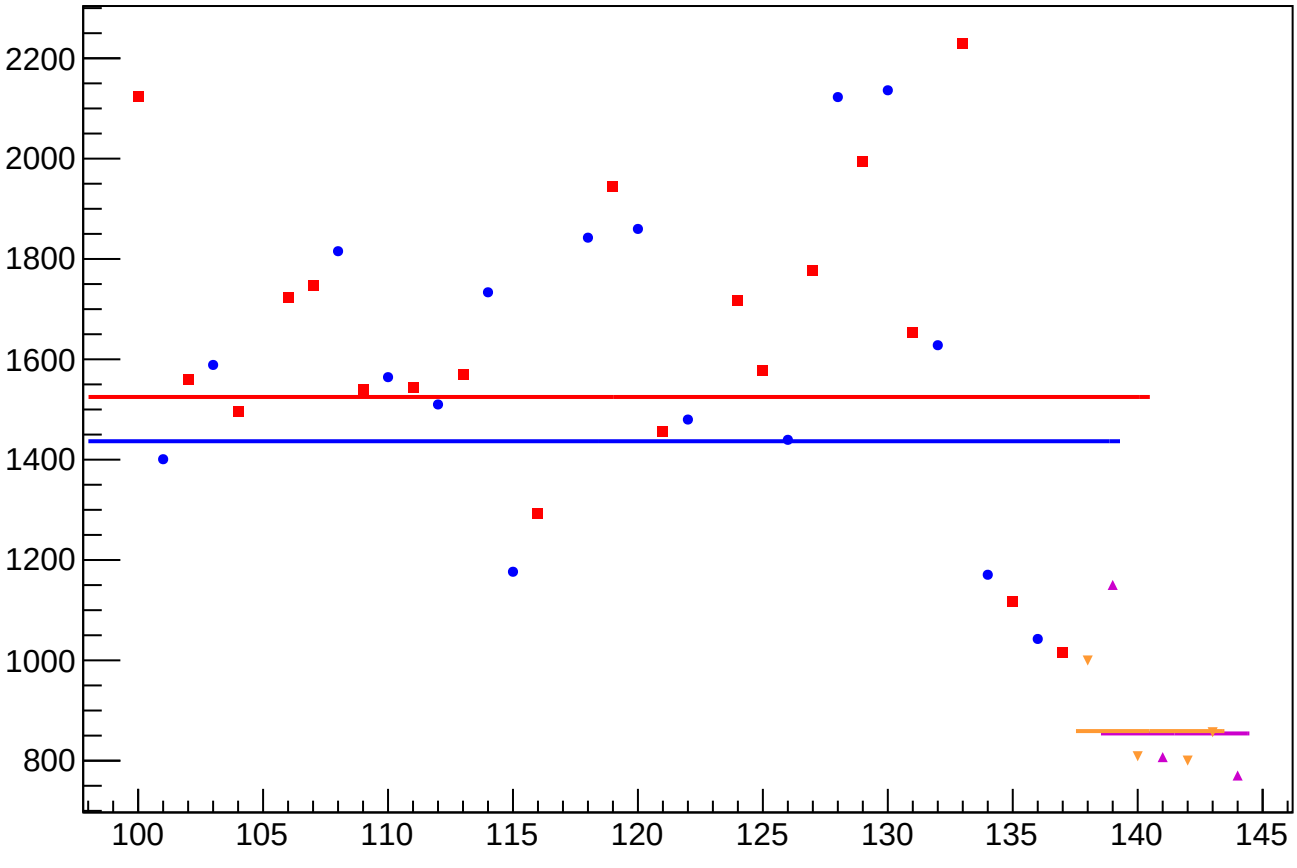
Left: -183.332+/-370.134 χ^2/NDF: 12.5/6

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -416.717+/-383.877 χ^2/NDF:24.7/18

Out: 191.020+/-380.528 χ^2/NDF:26.7/22

All: -110.185+/-270.250 χ^2/NDF: 52.7/41



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 859.015+/-0.362 χ^2/NDF:41176.8/3

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 854.327+/-0.379 χ^2/NDF:139067.2/2

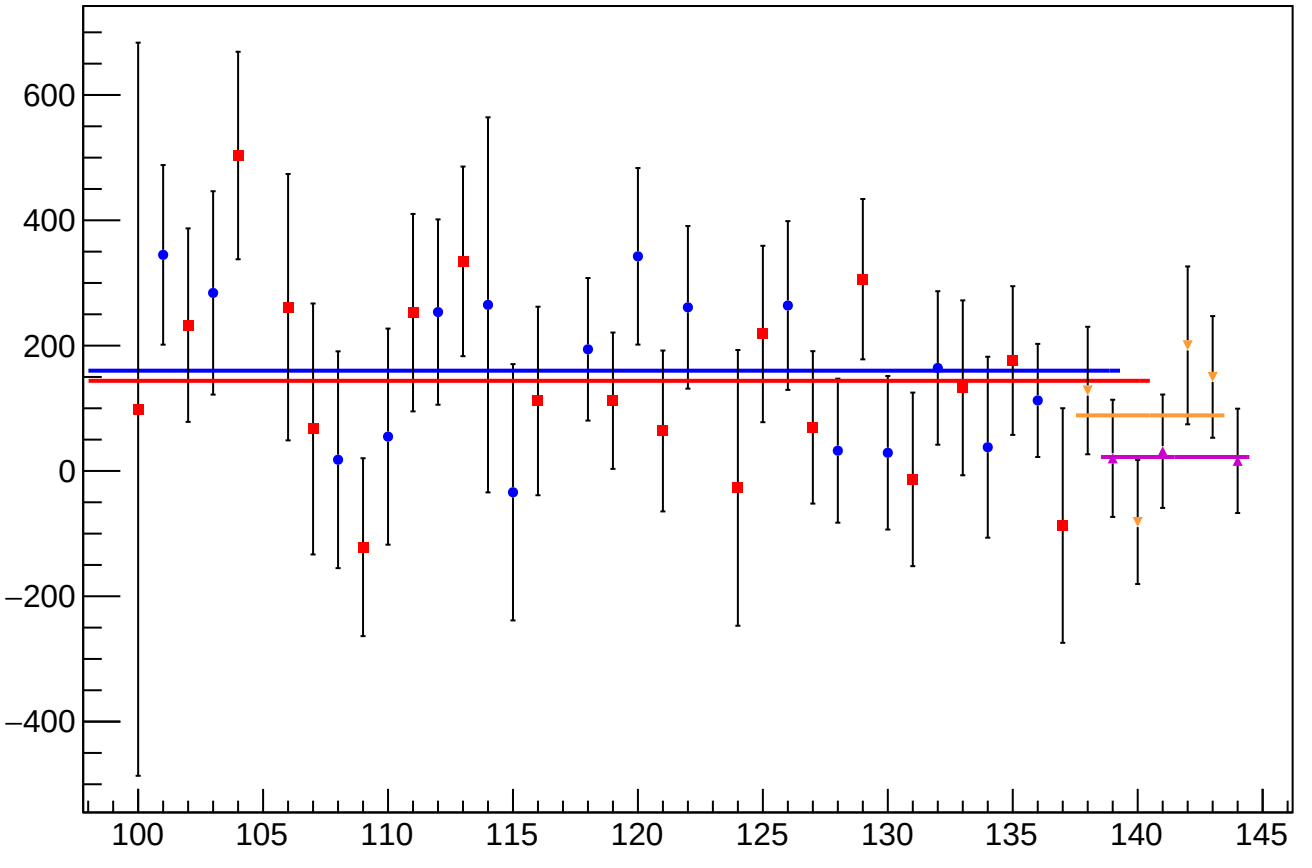
Left: 856.778+/-0.262 χ^2/NDF: 180324.1/6

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1137.831+/-0.271 χ^2/NDF:1964836.2/18

Out: 1156.924+/-0.269 χ^2/NDF:2060086.9/22

All: 1147.461+/-0.191 χ^2/NDF: 4027418.5/41



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.681+/-52.138 χ^2/NDF:4.3/3

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 22.244+/-51.250 χ^2/NDF:0.0/2

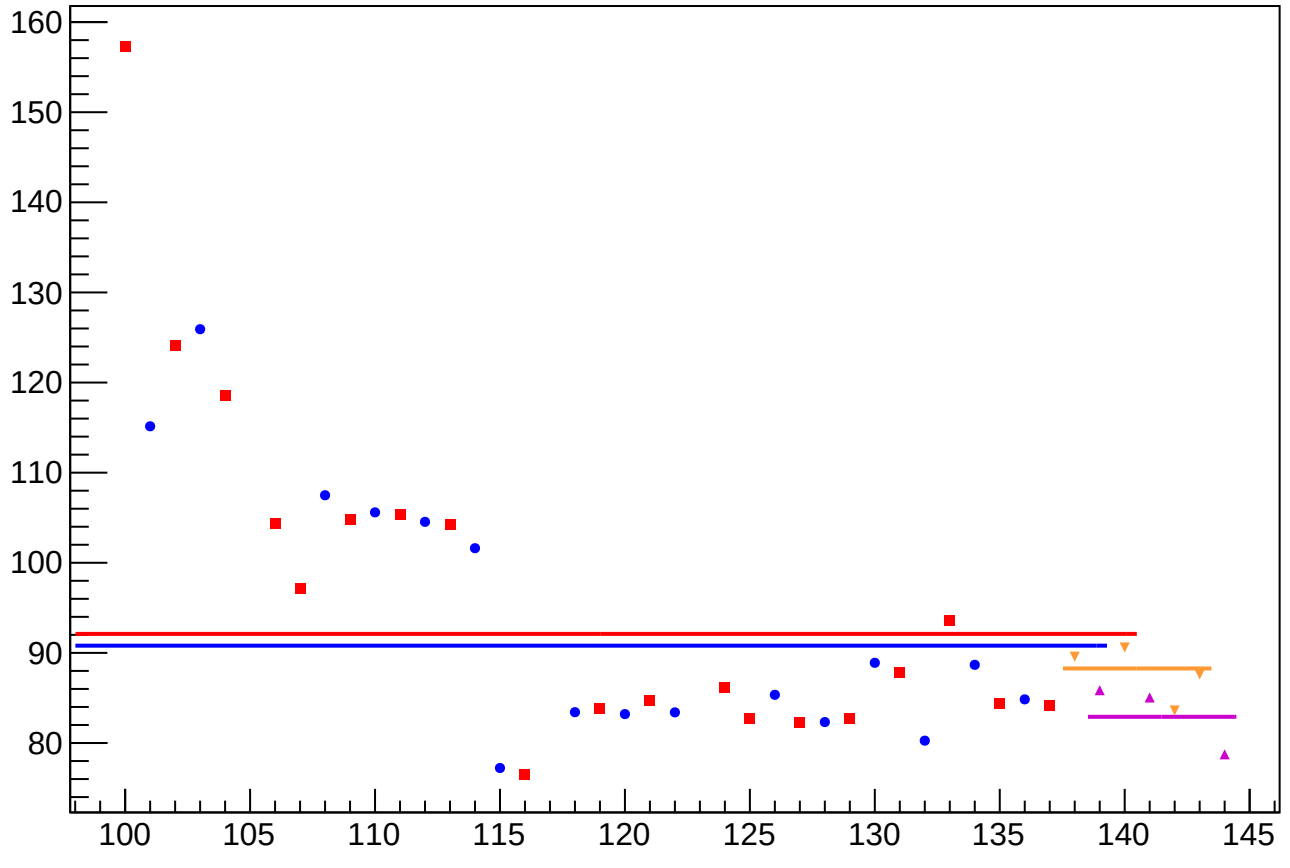
Left: 54.892+/-36.549 χ^2/NDF: 5.1/6

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 117.622+/-28.430 χ^2/NDF:16.1/18

Out: 127.251+/-28.606 χ^2/NDF:22.4/22

All: 122.407+/-20.165 χ^2/NDF: 38.6/41



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

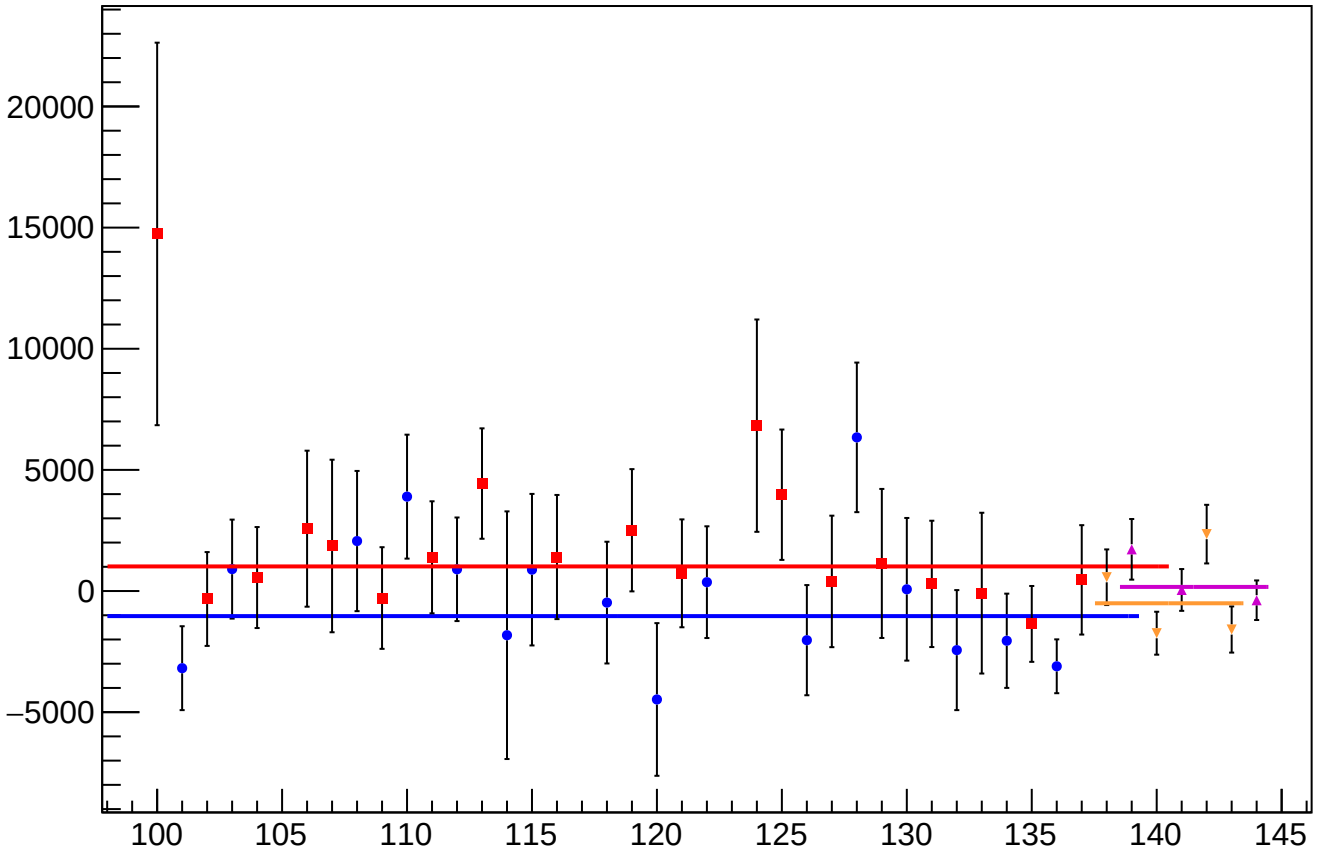
Left: 85.544+/-0.026 χ^2/NDF: 23153.7/6

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 88.373+/-0.020 χ^2/NDF:313721.0/18

Out: 90.953+/-0.020 χ^2/NDF:312606.0/22

All: 89.655+/-0.014 χ^2/NDF: 634516.3/41



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 169.767+/-535.847 χ^2/NDF:2.0/2

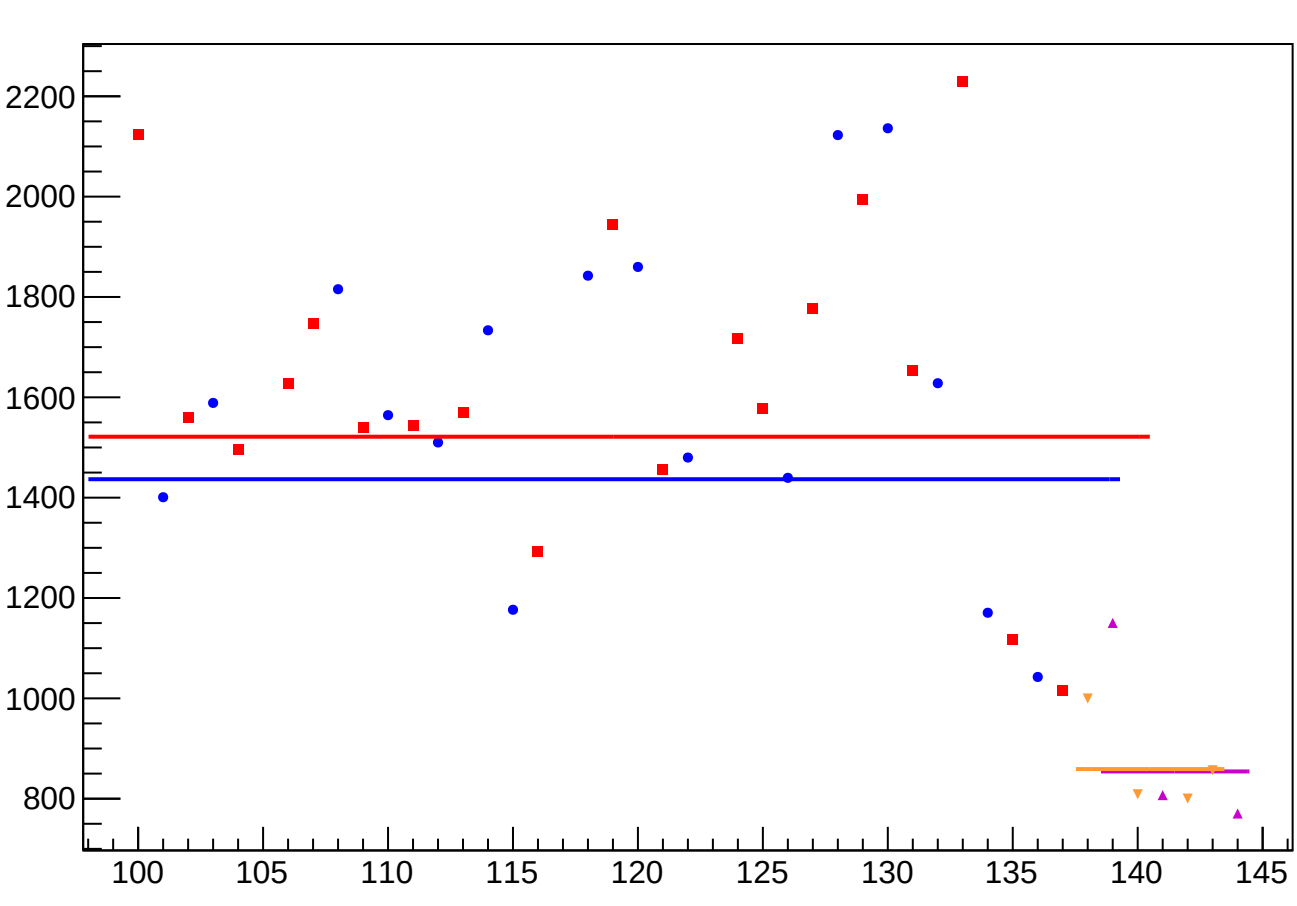
Left: -183.316+/-370.134 χ^2/NDF: 12.5/6

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -416.692+/-383.878 χ^2/NDF:24.7/18

Out: 173.757+/-380.778 χ^2/NDF:26.1/22

All: -119.074+/-270.340 χ^2/NDF: 52.0/41



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 859.015+/-0.362 χ^2/NDF:41177.3/3

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 854.327+/-0.379 χ^2/NDF:139067.1/2

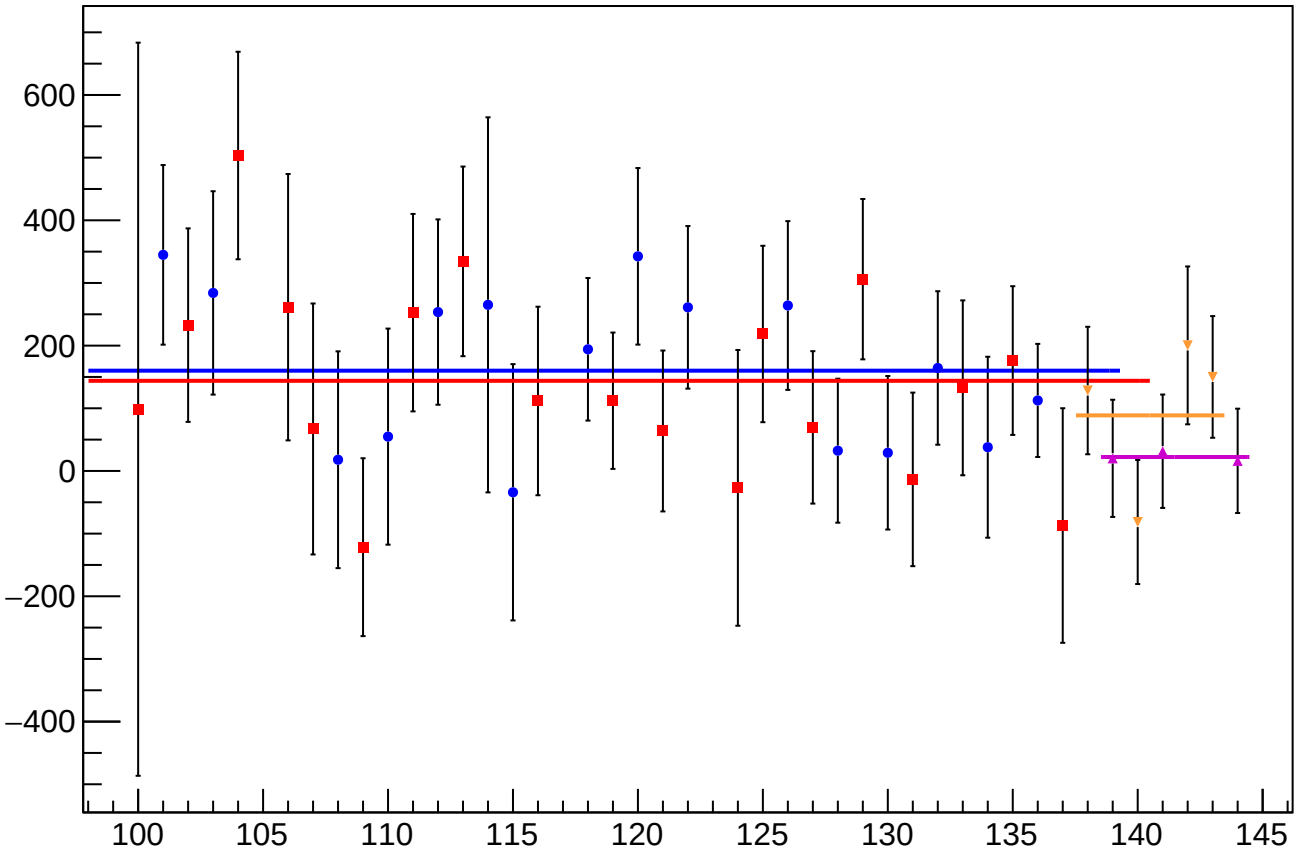
Left: 856.778+/-0.262 χ^2/NDF: 180324.4/6

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1137.832+/-0.271 χ^2/NDF:1964855.5/18

Out: 1154.894+/-0.269 χ^2/NDF:2035760.9/22

All: 1146.432+/-0.191 χ^2/NDF: 4002607.8/41



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.681+/-52.138 χ^2/NDF:4.3/3

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 22.244+/-51.250 χ^2/NDF:0.0/2

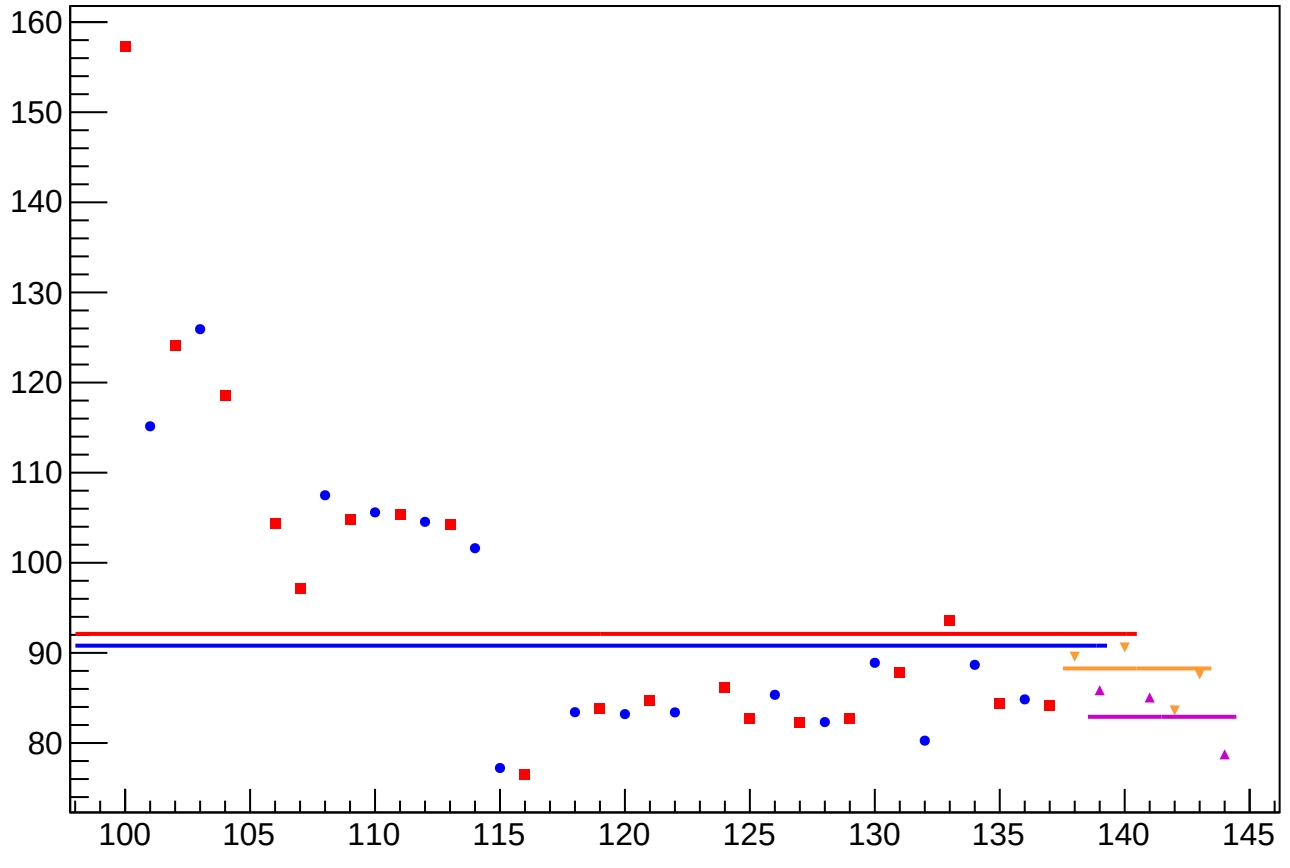
Left: 54.892+/-36.549 χ^2/NDF: 5.1/6

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 117.622+/-28.430 χ^2/NDF:16.1/18

Out: 127.251+/-28.606 χ^2/NDF:22.4/22

All: 122.407+/-20.165 χ^2/NDF: 38.6/41



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.908+/-0.036 χ^2/NDF:8116.6/2

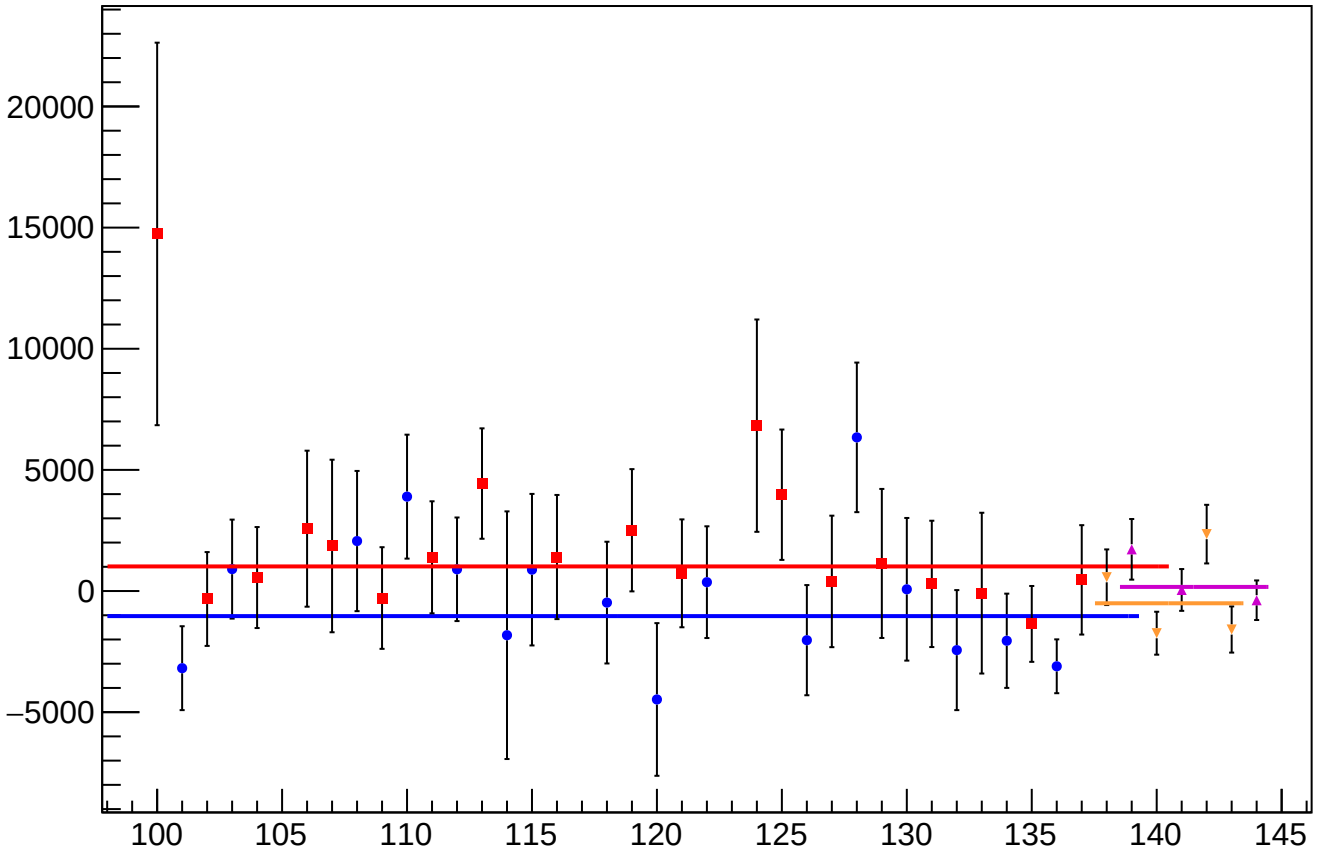
Left: 85.544+/-0.026 χ^2/NDF: 23153.7/6

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 88.373+/-0.020 χ^2/NDF:313721.0/18

Out: 90.953+/-0.020 χ^2/NDF:312606.0/22

All: 89.655+/-0.014 χ^2/NDF: 634516.3/41



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 169.767+/-535.847 χ^2/NDF:2.0/2

Left: -183.316+/-370.134 χ^2/NDF: 12.5/6

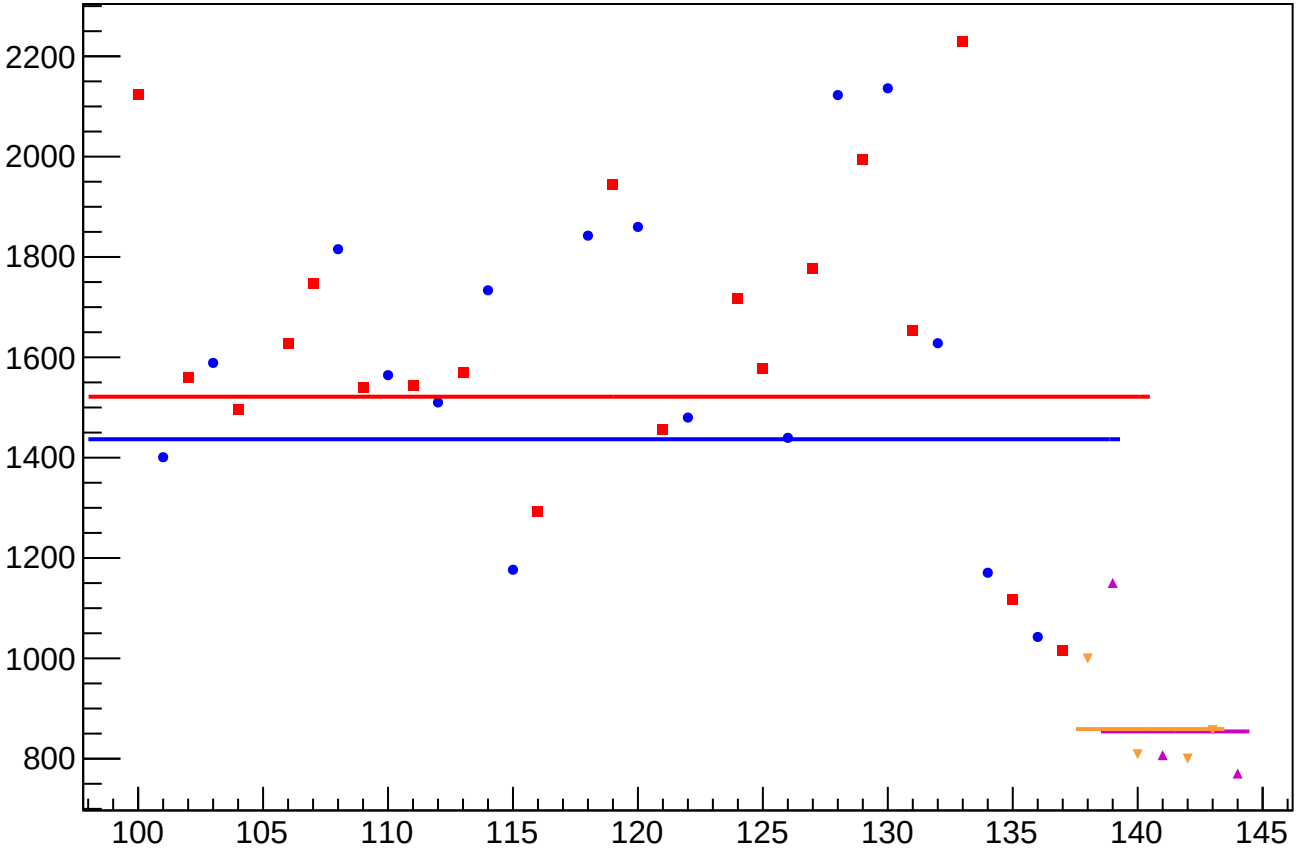
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -416.692+/-383.878 χ^2/NDF:24.7/18

Out: 173.757+/-380.778 χ^2/NDF:26.1/22

All: -119.074+/-270.340 χ^2/NDF: 52.0/41

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: 859.015+/-0.362 χ^2/NDF:41177.3/3

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 854.327+/-0.379 χ^2/NDF:139067.1/2

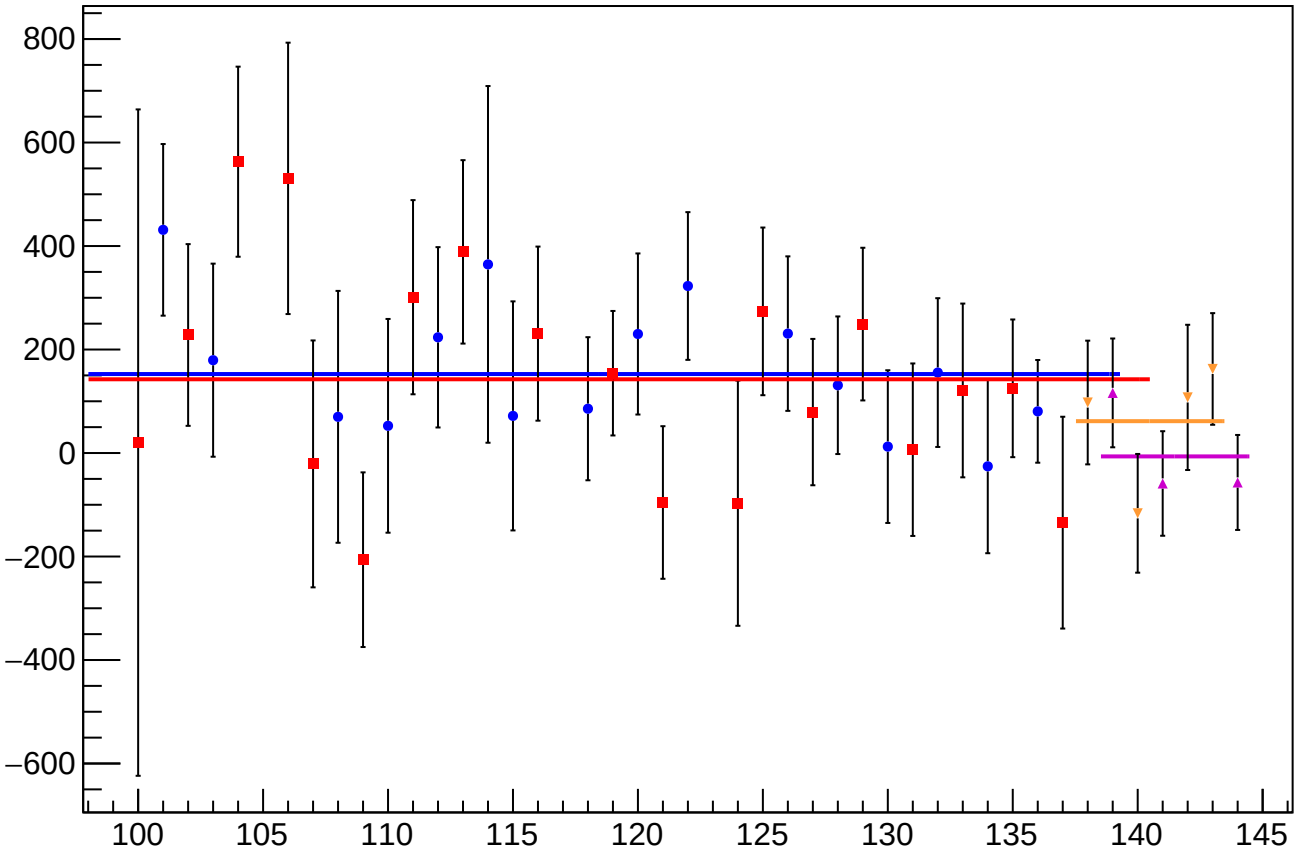
Left: 856.778+/-0.262 χ^2/NDF: 180324.4/6

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1137.832+/-0.271 χ^2/NDF:1964855.5/18

Out: 1154.894+/-0.269 χ^2/NDF:2035760.9/22

All: 1146.432+/-0.191 χ^2/NDF: 4002607.8/41



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.556+/-59.472 χ^2/NDF:3.5/3

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -6.533+/-57.054 χ^2/NDF:1.9/2

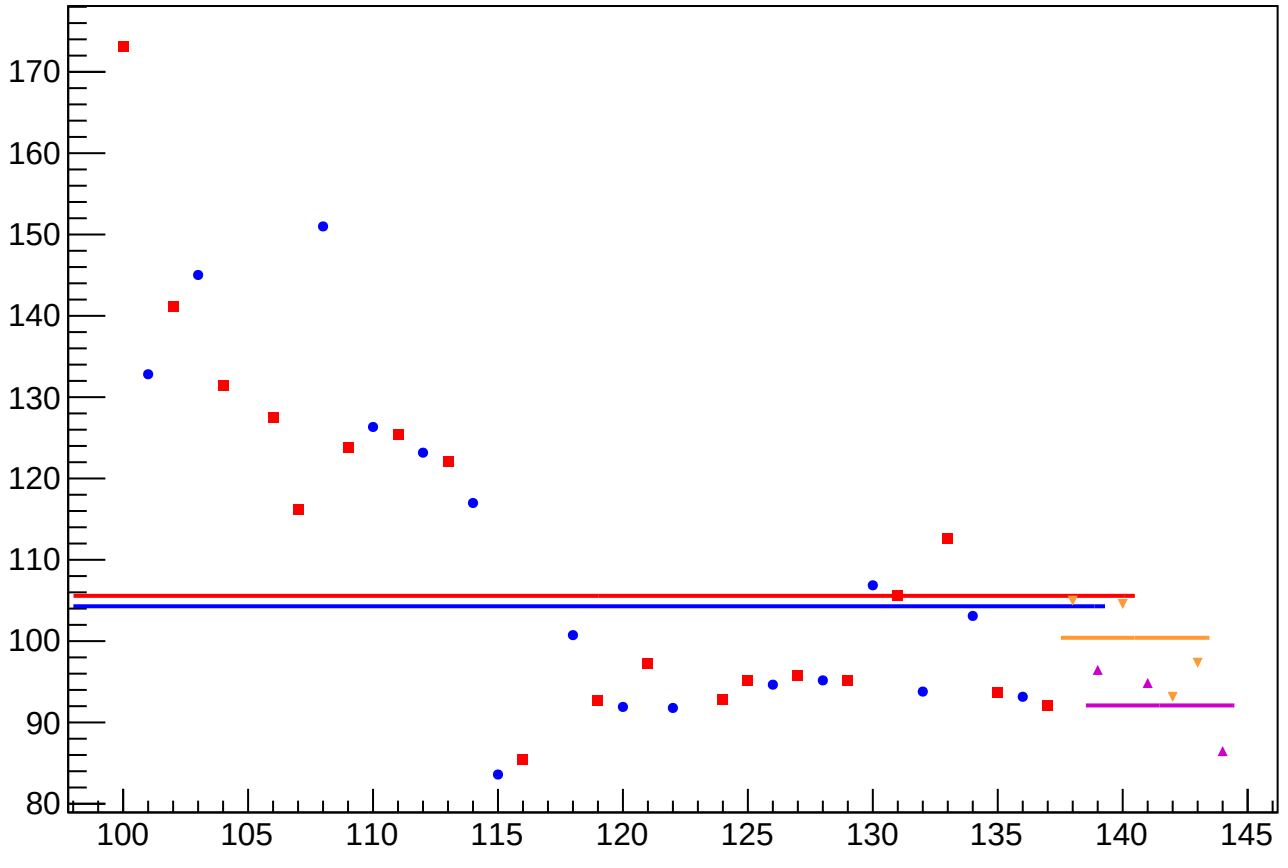
Left: 26.099+/-41.172 χ^2/NDF: 6.1/6

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 101.152+/-32.446 χ^2/NDF:15.8/18

Out: 117.859+/-32.811 χ^2/NDF:27.7/22

All: 109.412+/-23.071 χ^2/NDF: 43.7/41



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.9/3

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 92.093+/-0.040 χ^2/NDF:12435.8/2

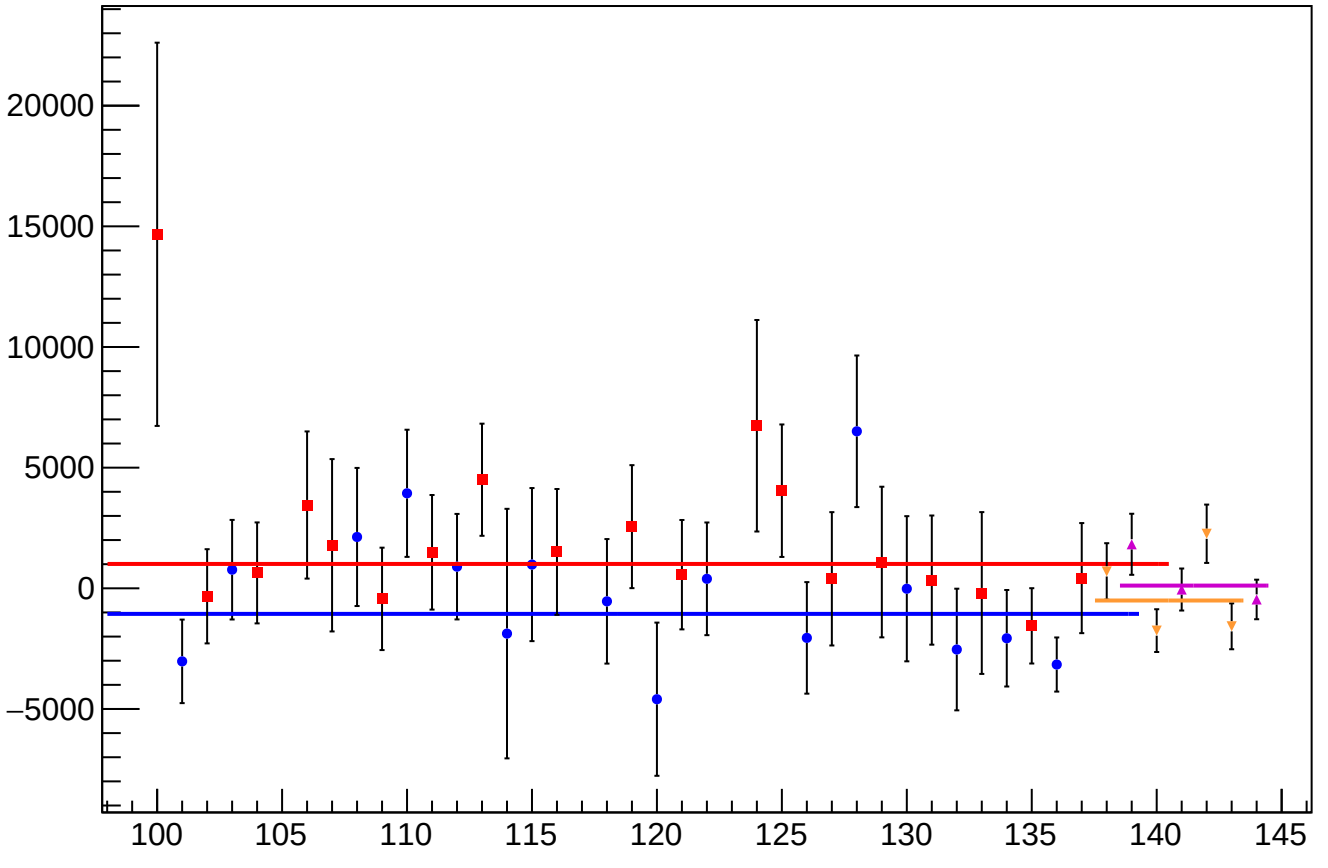
Left: 96.079+/-0.029 χ^2/NDF: 45332.9/6

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 100.343+/-0.023 χ^2/NDF:452551.0/18

Out: 103.998+/-0.023 χ^2/NDF:367593.7/22

All: 102.150+/-0.016 χ^2/NDF: 832696.7/41



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -504.976+/-513.333 χ^2/NDF:9.5/3

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 112.858+/-539.750 χ^2/NDF:2.4/2

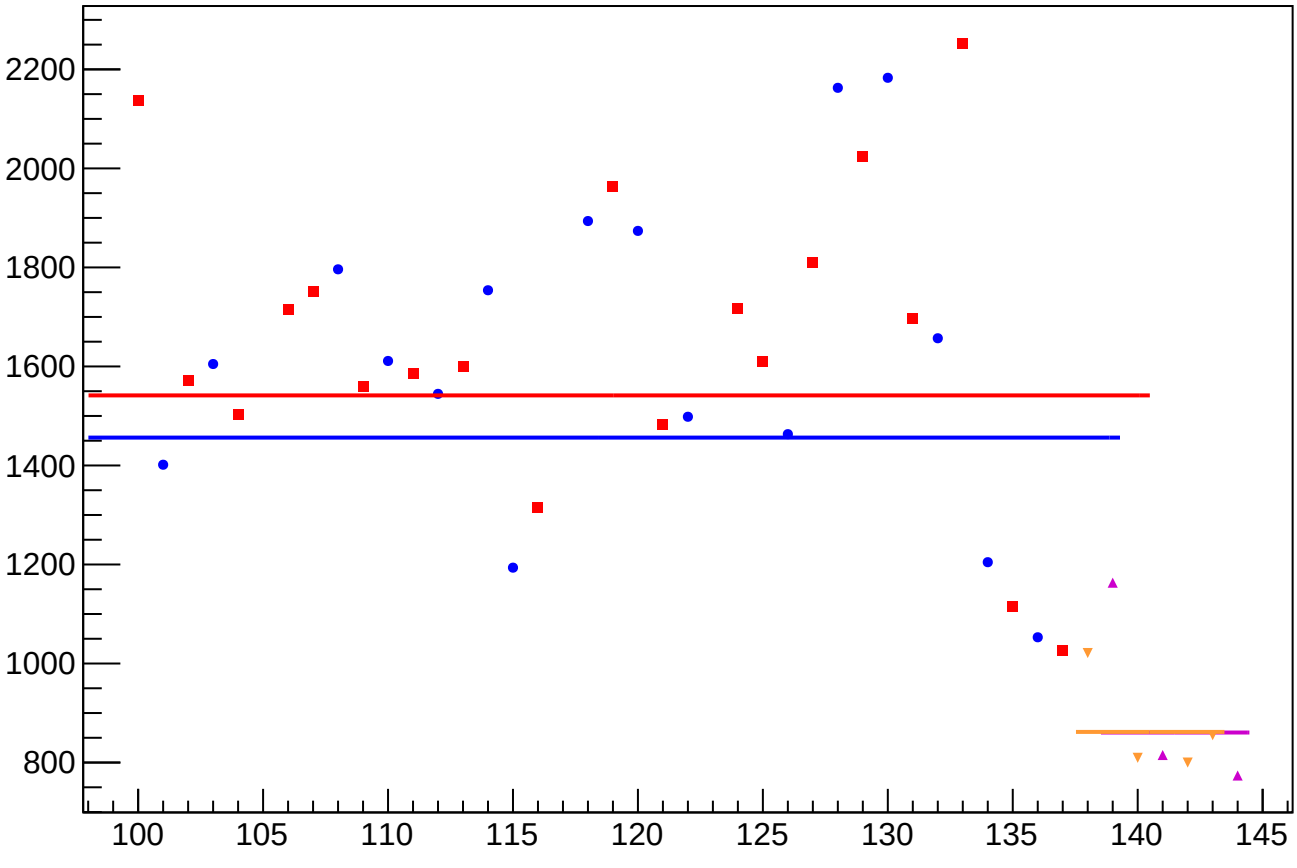
Left: -211.548+/-371.970 χ^2/NDF: 12.6/6

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -454.140+/-387.833 χ^2/NDF:24.7/18

Out: 166.774+/-382.964 χ^2/NDF:26.7/22

All: -139.761+/-272.501 χ^2/NDF: 52.7/41



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 861.853+/-0.363 χ^2/NDF:49387.6/3

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 860.629+/-0.382 χ^2/NDF:142346.9/2

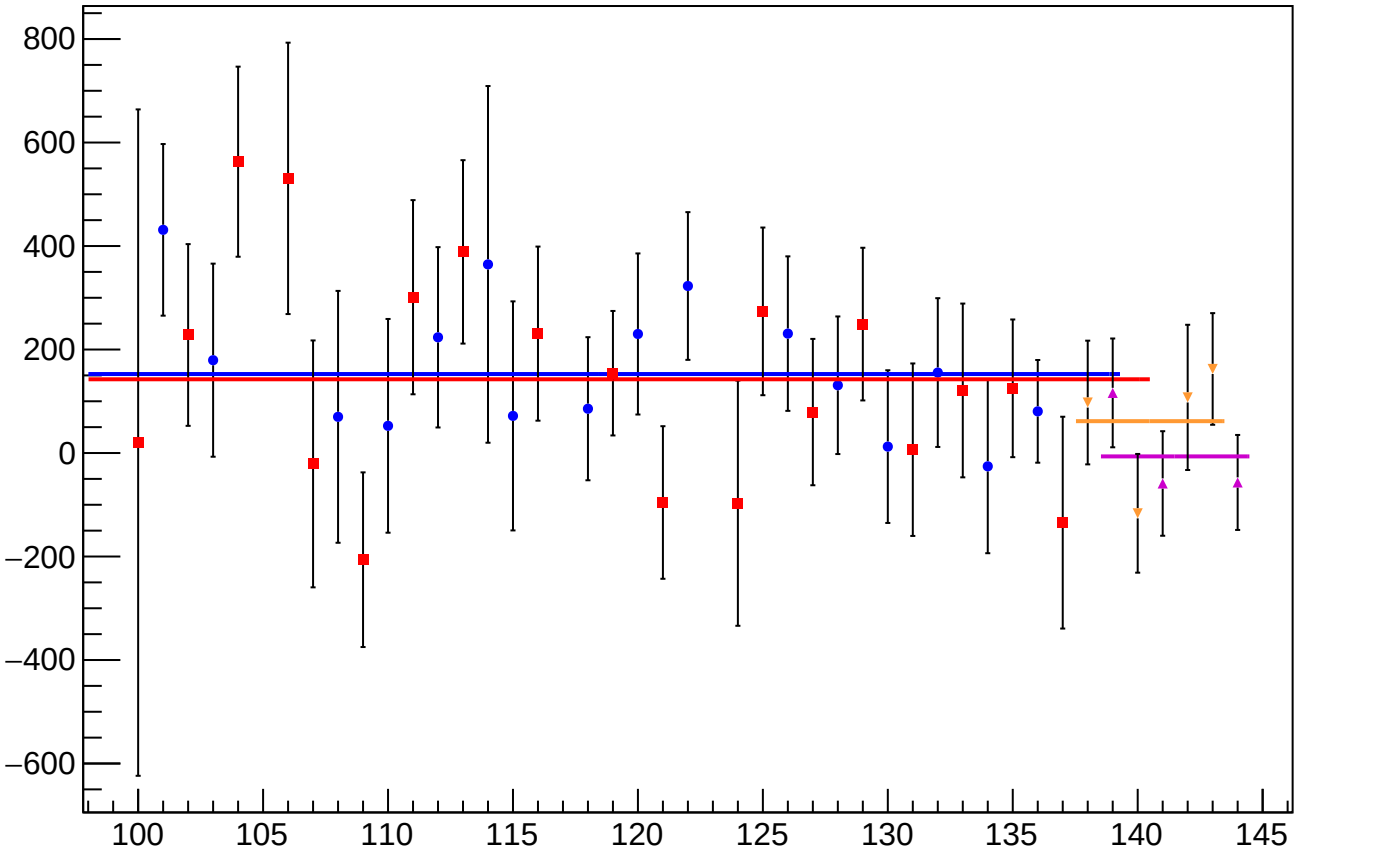
Left: 861.272+/-0.263 χ^2/NDF: 191740.0/6

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1148.756+/-0.274 χ^2/NDF:2005398.2/18

Out: 1163.241+/-0.271 χ^2/NDF:2123455.4/22

All: 1156.090+/-0.193 χ^2/NDF: 4130266.4/41



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.554+/-59.472 χ^2/NDF:3.5/3

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -6.532+/-57.054 χ^2/NDF:1.9/2

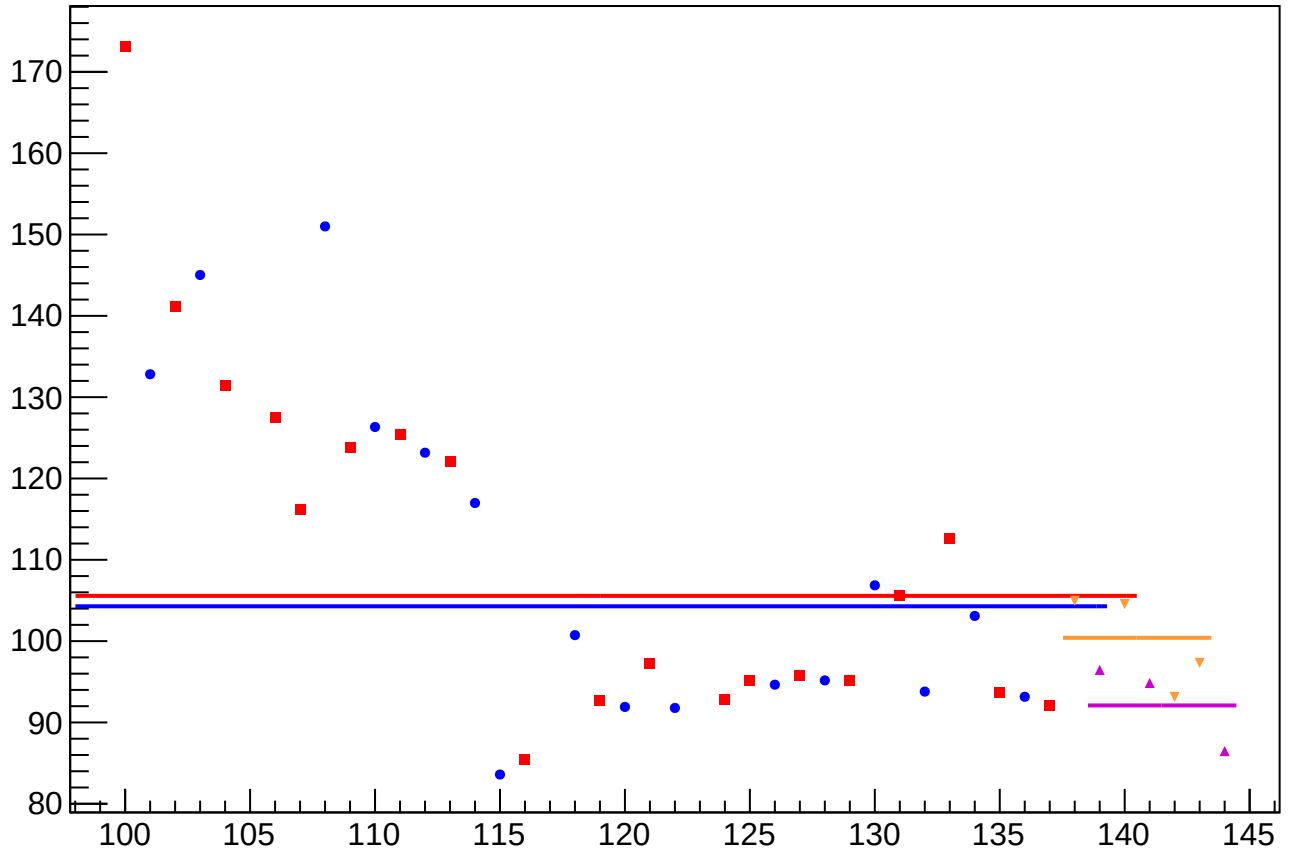
Left: 26.099+/-41.172 χ^2/NDF: 6.1/6

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 101.154+/-32.446 χ^2/NDF:15.8/18

Out: 117.858+/-32.811 χ^2/NDF:27.7/22

All: 109.412+/-23.071 χ^2/NDF: 43.7/41



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.1/3

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 92.093+/-0.040 χ^2/NDF:12435.3/2

Left: 96.079+/-0.029 χ^2/NDF: 45332.0/6

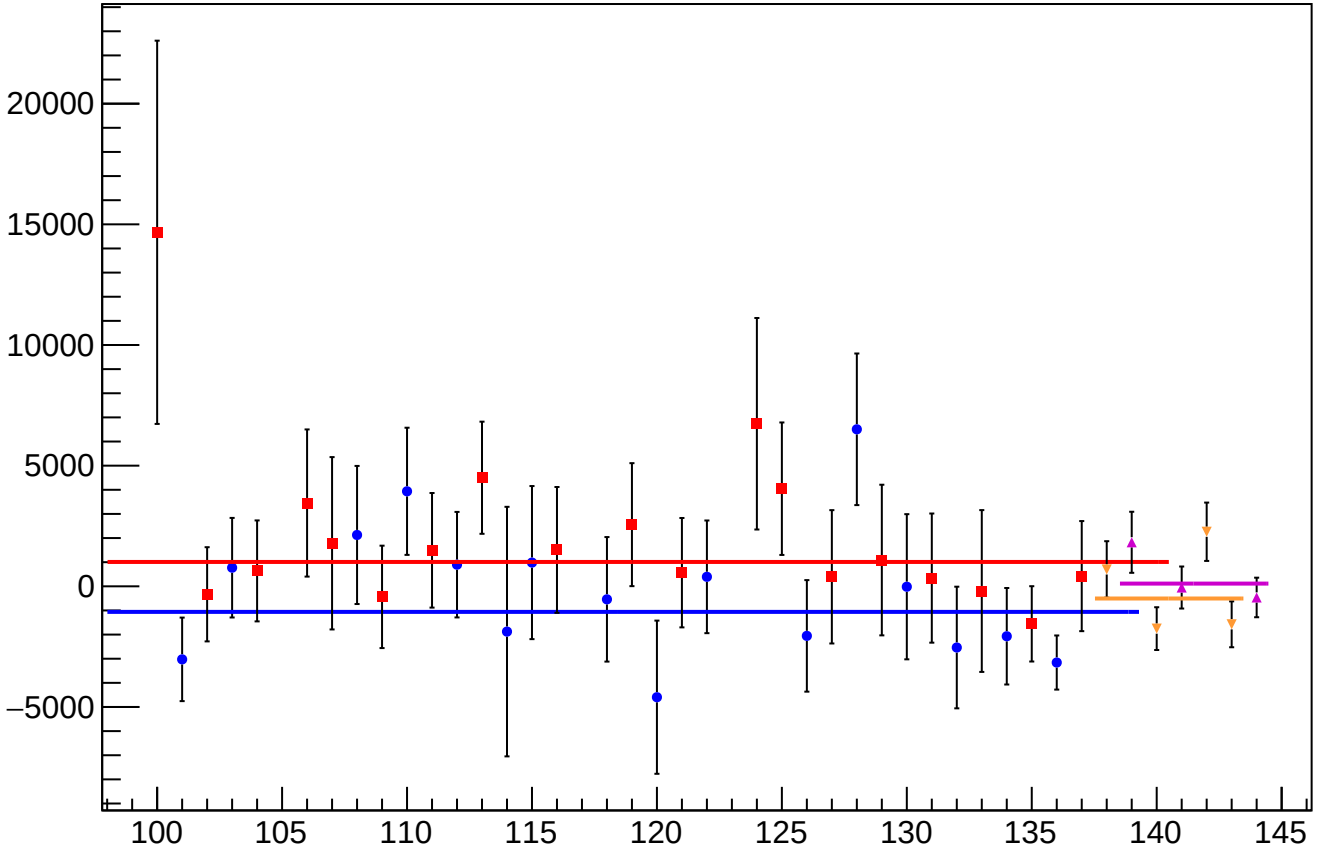
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 100.342+/-0.023 χ^2/NDF:452544.3/18

Out: 103.998+/-0.023 χ^2/NDF:367589.5/22

All: 102.149+/-0.016 χ^2/NDF: 832687.1/41

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: -504.978+/-513.333 χ^2/NDF:9.5/3

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 112.860+/-539.749 χ^2/NDF:2.4/2

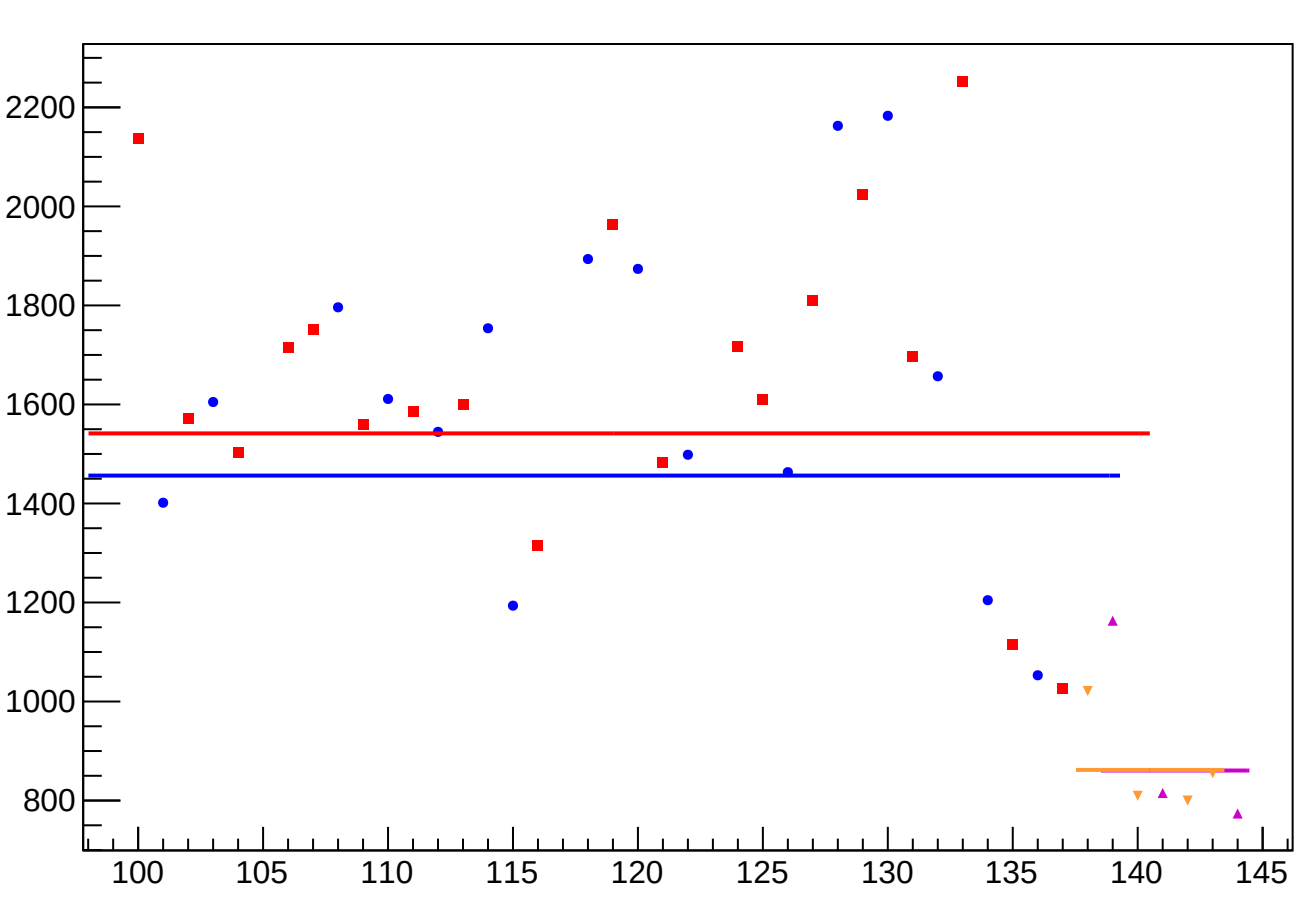
Left: -211.548+/-371.969 χ^2/NDF: 12.6/6

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -454.137+/-387.832 χ^2/NDF:24.7/18

Out: 166.773+/-382.963 χ^2/NDF:26.7/22

All: -139.760+/-272.501 χ^2/NDF: 52.7/41



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 861.853+/-0.363 χ^2/NDF:49386.1/3

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 860.628+/-0.382 χ^2/NDF:142345.9/2

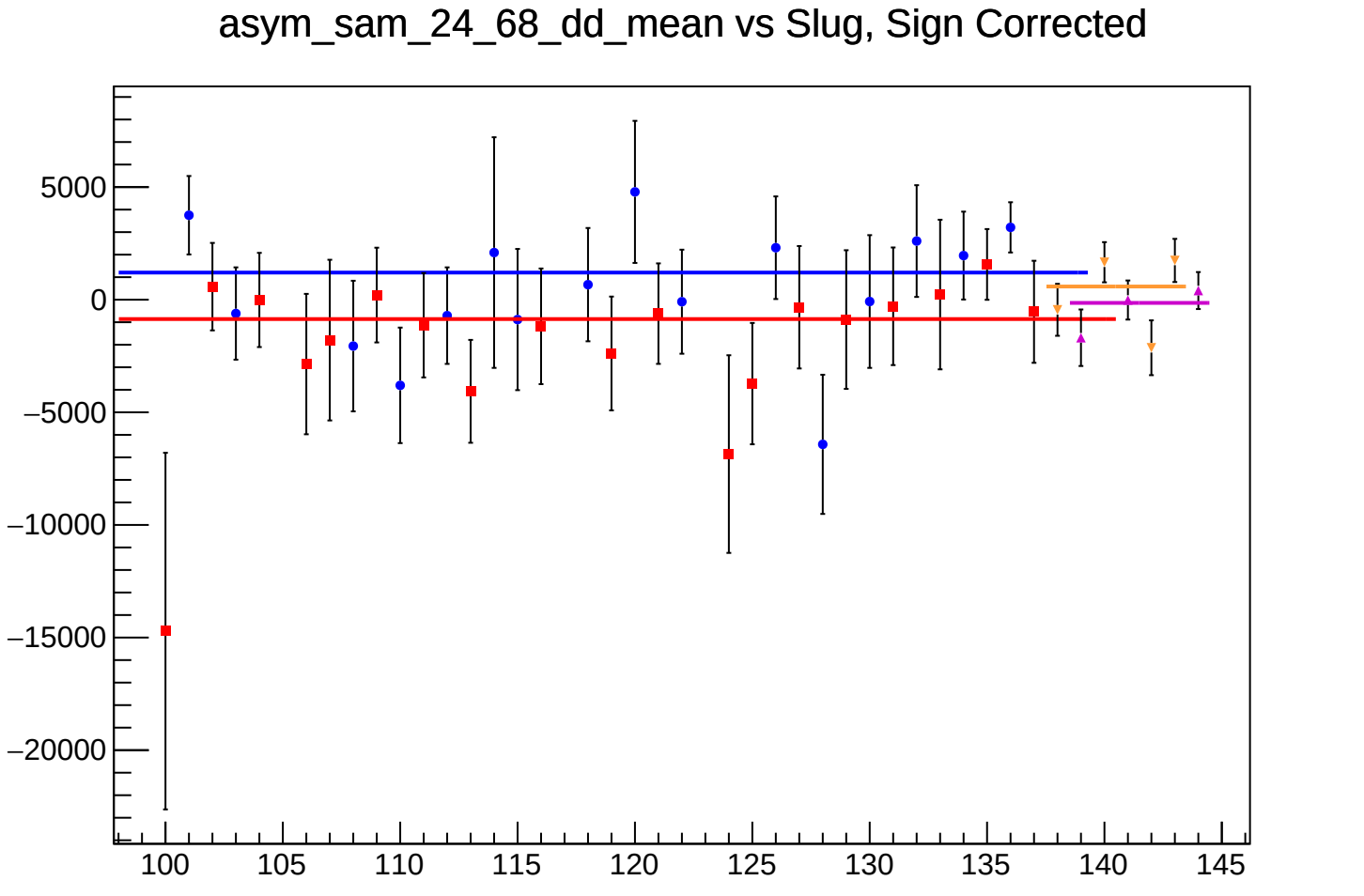
Left: 861.271+/-0.263 χ^2/NDF: 191737.5/6

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1148.754+/-0.274 χ^2/NDF:2005392.1/18

Out: 1163.240+/-0.271 χ^2/NDF:2123447.6/22

All: 1156.089+/-0.193 χ^2/NDF: 4130252.5/41



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 585.771+/-514.700 χ^2/NDF:8.7/3

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -142.111+/-538.541 χ^2/NDF:2.0/2

Left: 238.298+/-372.091 χ^2/NDF: 11.7/6

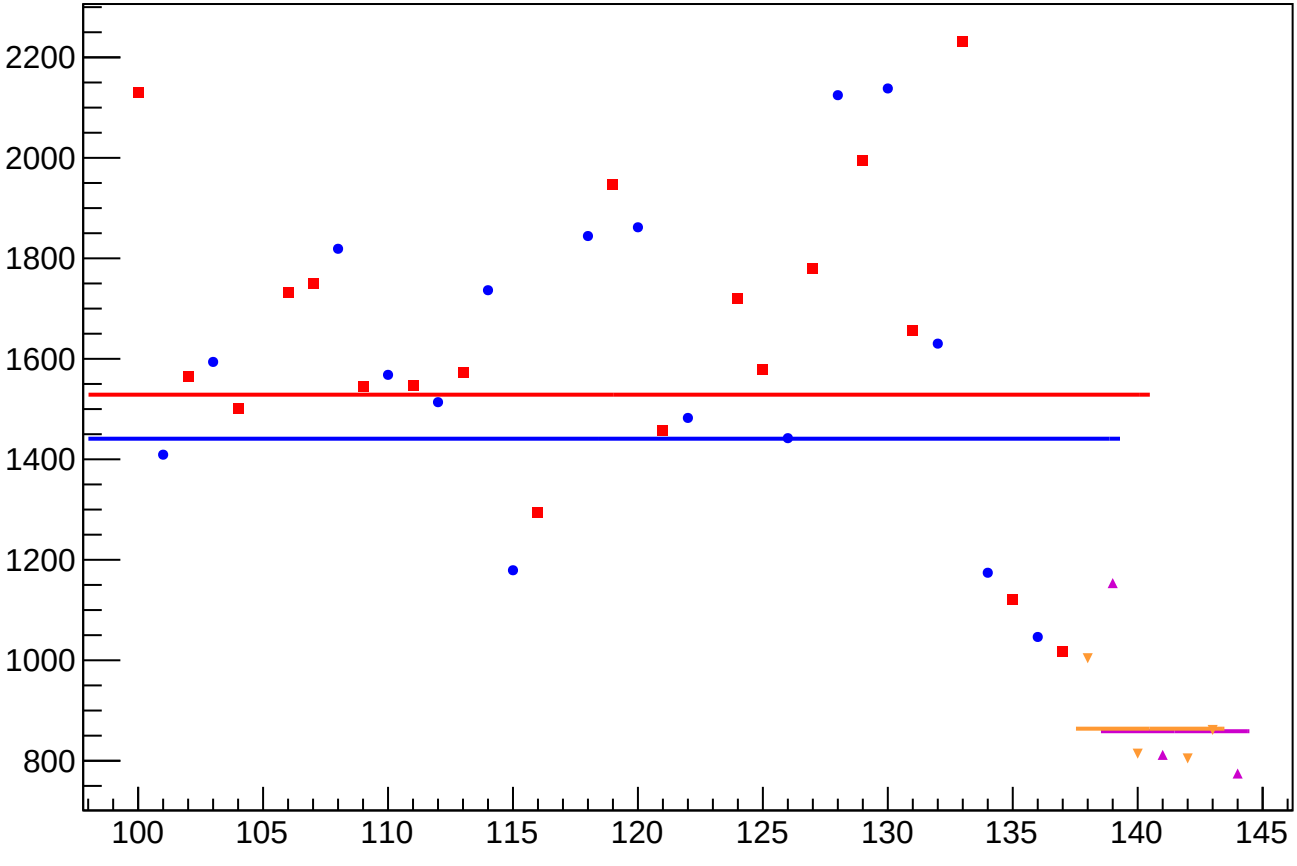
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 515.003+/-385.384 χ^2/NDF:26.2/18

Out: -62.787+/-382.124 χ^2/NDF:24.8/22

All: 223.653+/-271.348 χ^2/NDF: 52.1/41

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 863.903+/-0.364 χ^2/NDF:40537.7/3

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 858.820+/-0.381 χ^2/NDF:137326.3/2

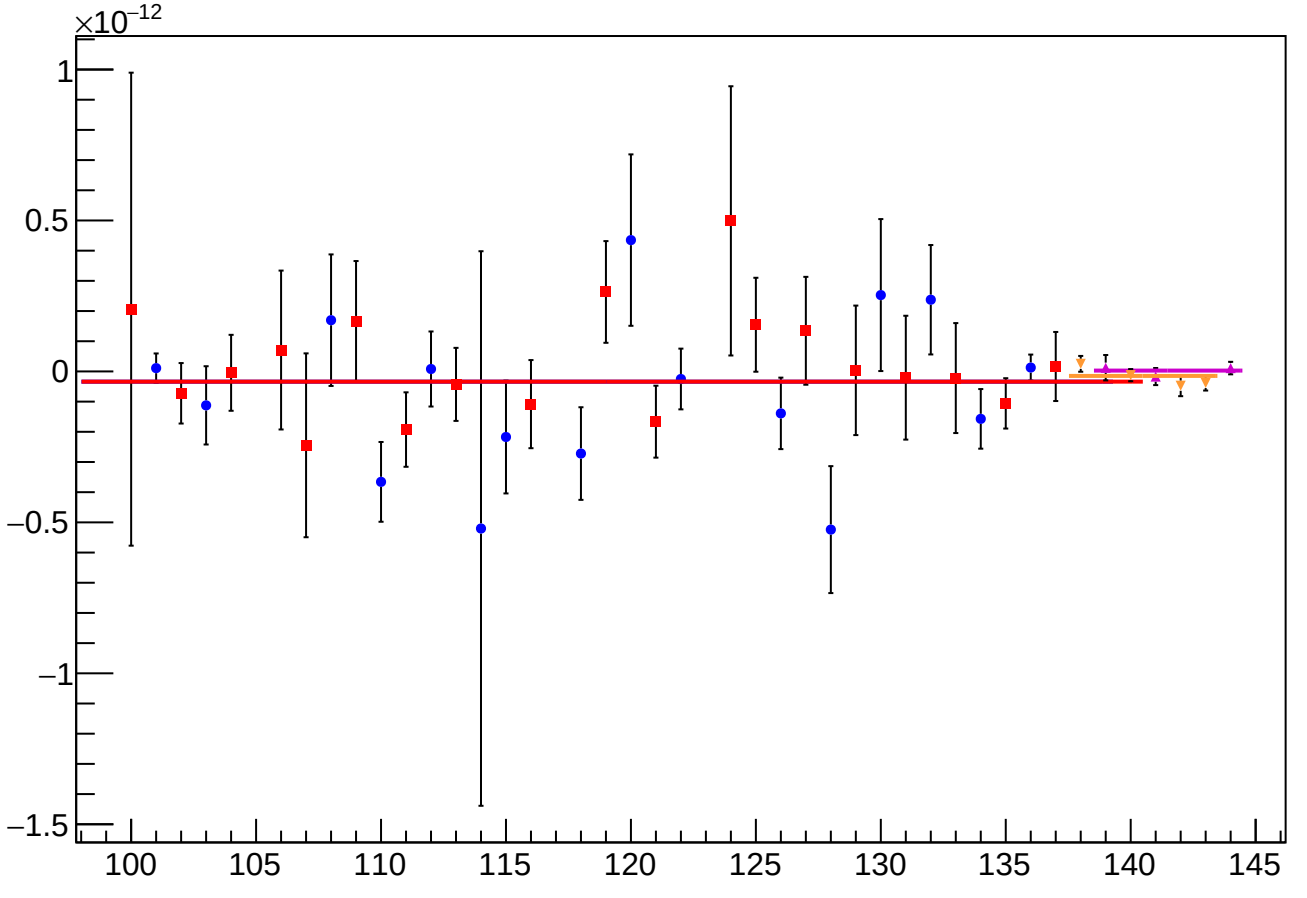
Left: 861.477+/-0.263 χ^2/NDF: 177957.2/6

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1142.882+/-0.273 χ^2/NDF:1948459.0/18

Out: 1162.249+/-0.270 χ^2/NDF:2039525.9/22

All: 1152.648+/-0.192 χ^2/NDF: 3990531.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

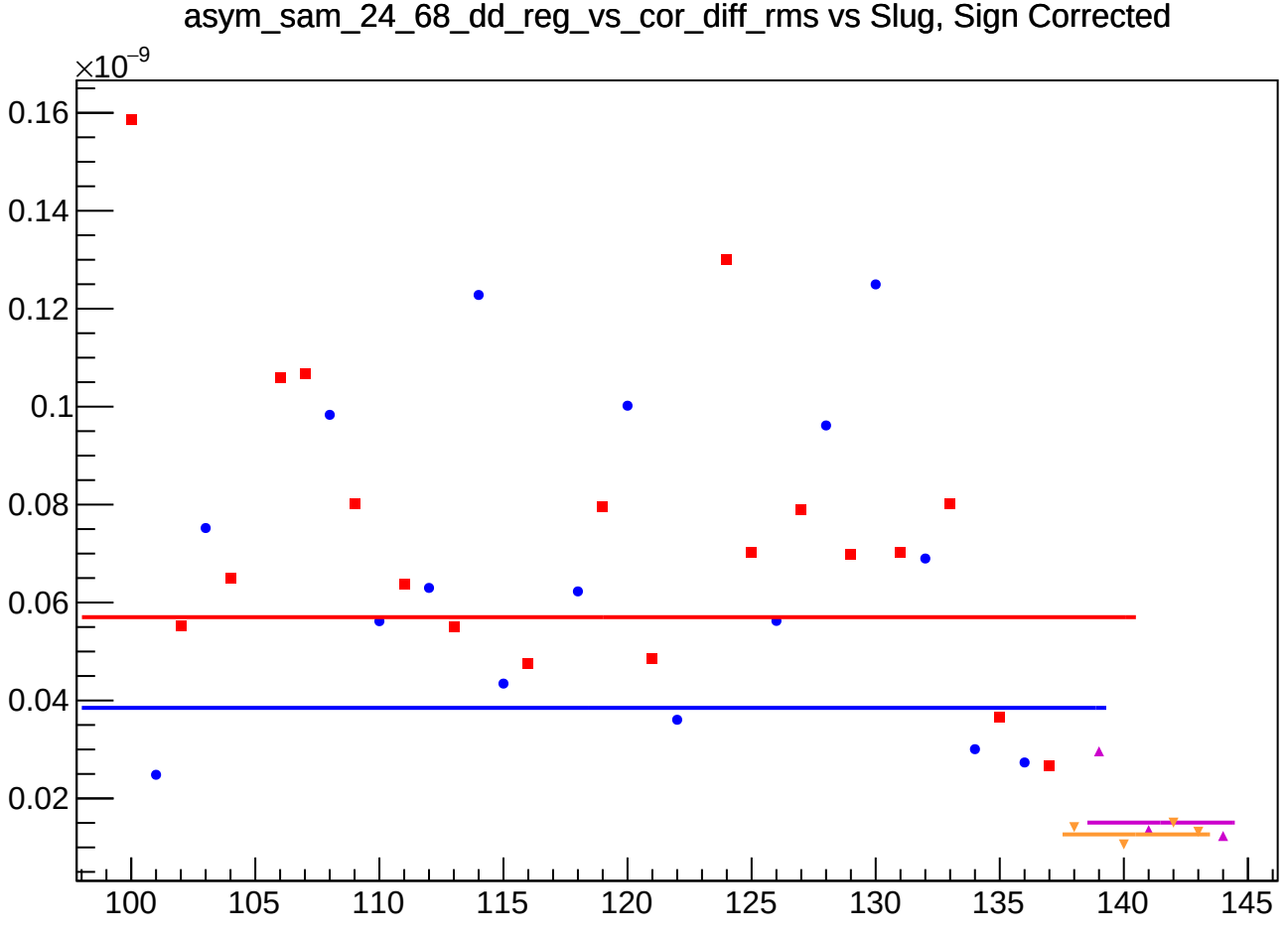
Left: -0.000+/-0.000 χ^2/NDF: 5.6/6

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.7/18

Out: -0.000+/-0.000 χ^2/NDF:17.4/22

All: -0.000+/-0.000 χ^2/NDF: 47.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37480.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:280491.0/2

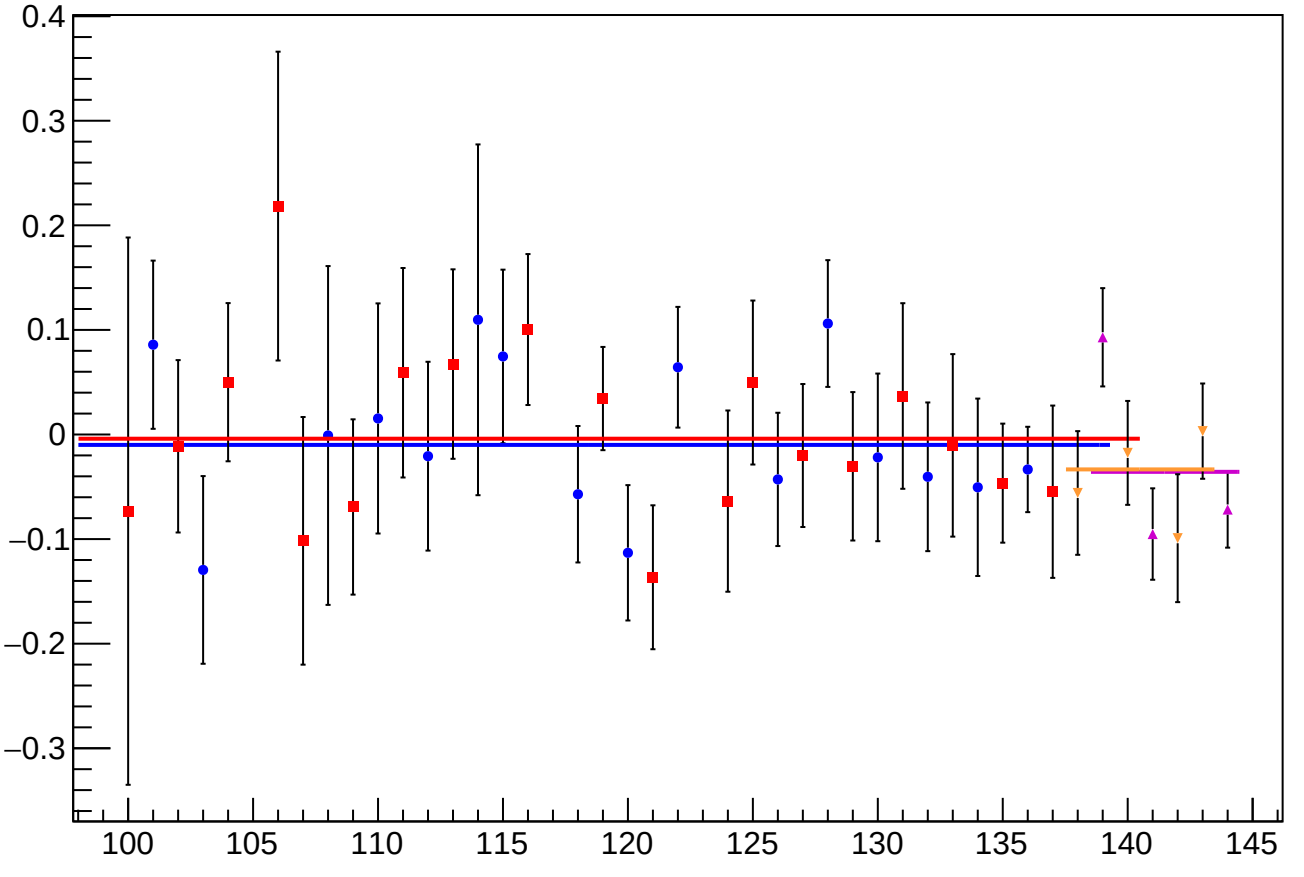
Left: 0.000+/-0.000 χ^2/NDF: 347093.5/6

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:2926284.3/18

Out: 0.000+/-0.000 χ^2/NDF:3726370.3/22

All: 0.000+/-0.000 χ^2/NDF: 6732947.1/41



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.036+/-0.024 χ^2/NDF:10.3/2

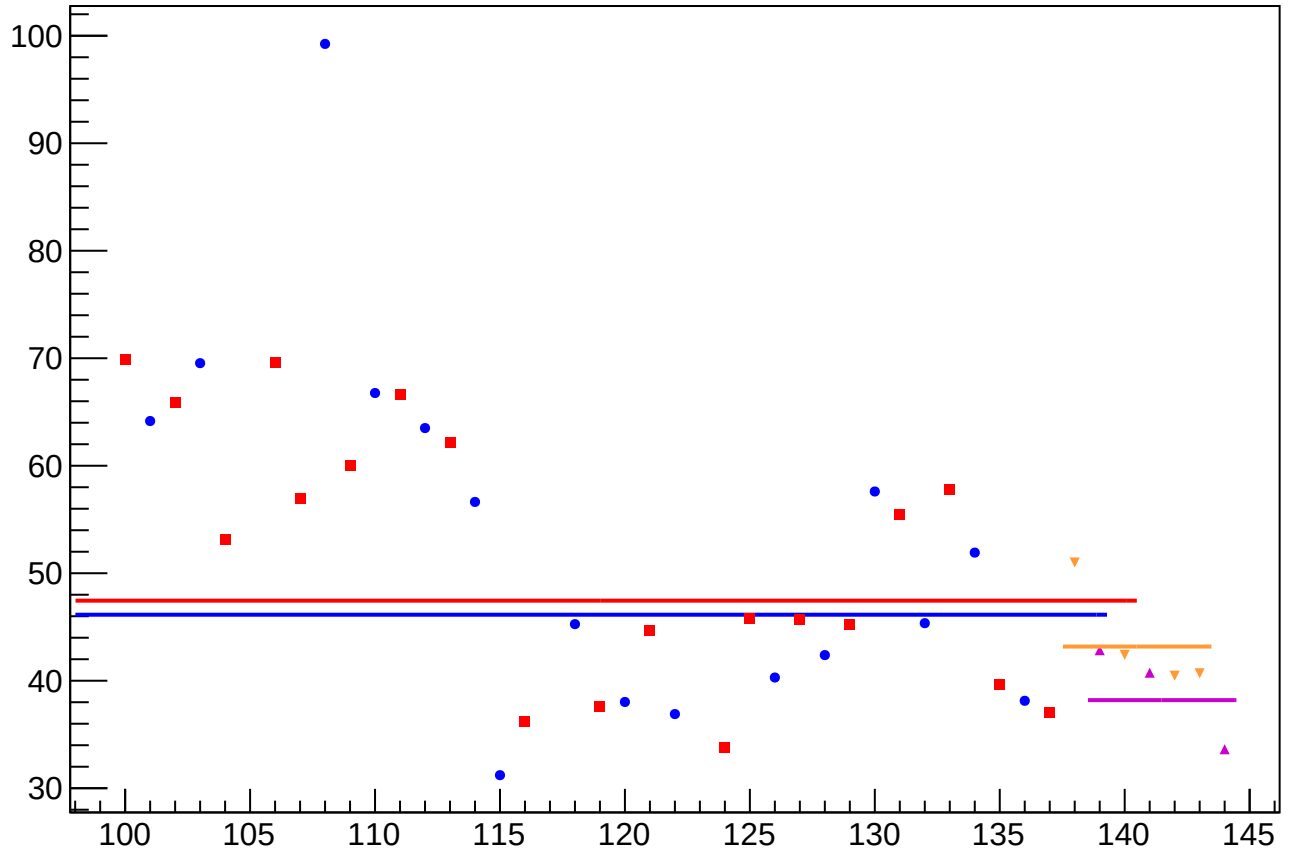
Left: -0.035+/-0.018 χ^2/NDF: 12.4/6

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.019+/-0.014 χ^2/NDF:25.3/18

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.016+/-0.010 χ^2/NDF: 42.1/41



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 43.179+/-0.019 χ^2/NDF:45346.5/3

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.195+/-0.017 χ^2/NDF:57797.6/2

Left: 40.460+/-0.013 χ^2/NDF: 142187.1/6

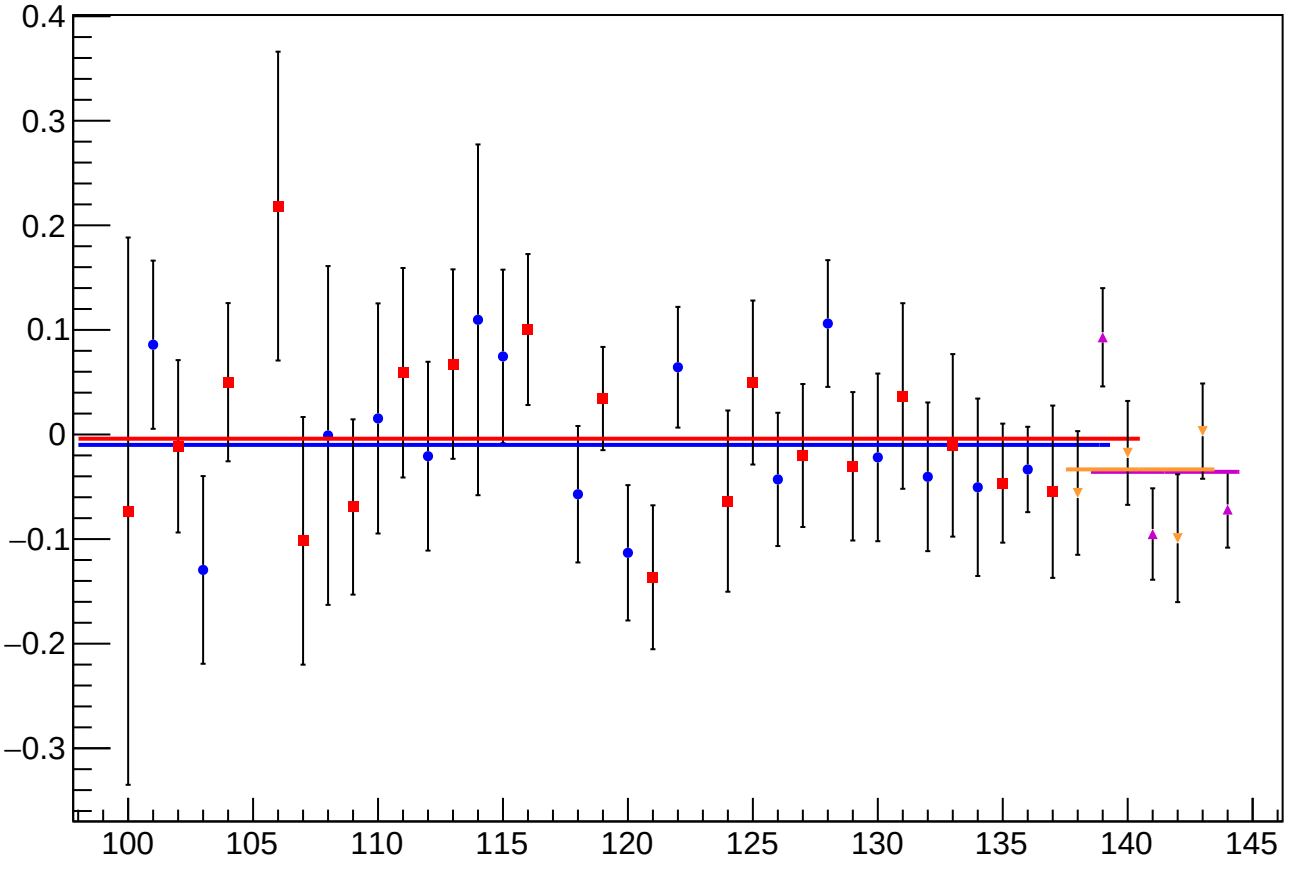
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.289+/-0.010 χ^2/NDF:1101082.9/18

Out: 46.081+/-0.011 χ^2/NDF:735755.6/22

All: 44.637+/-0.007 χ^2/NDF: 1873084.7/41

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.036+/-0.024 χ^2/NDF:10.3/2

Left: -0.035+/-0.018 χ^2/NDF: 12.4/6

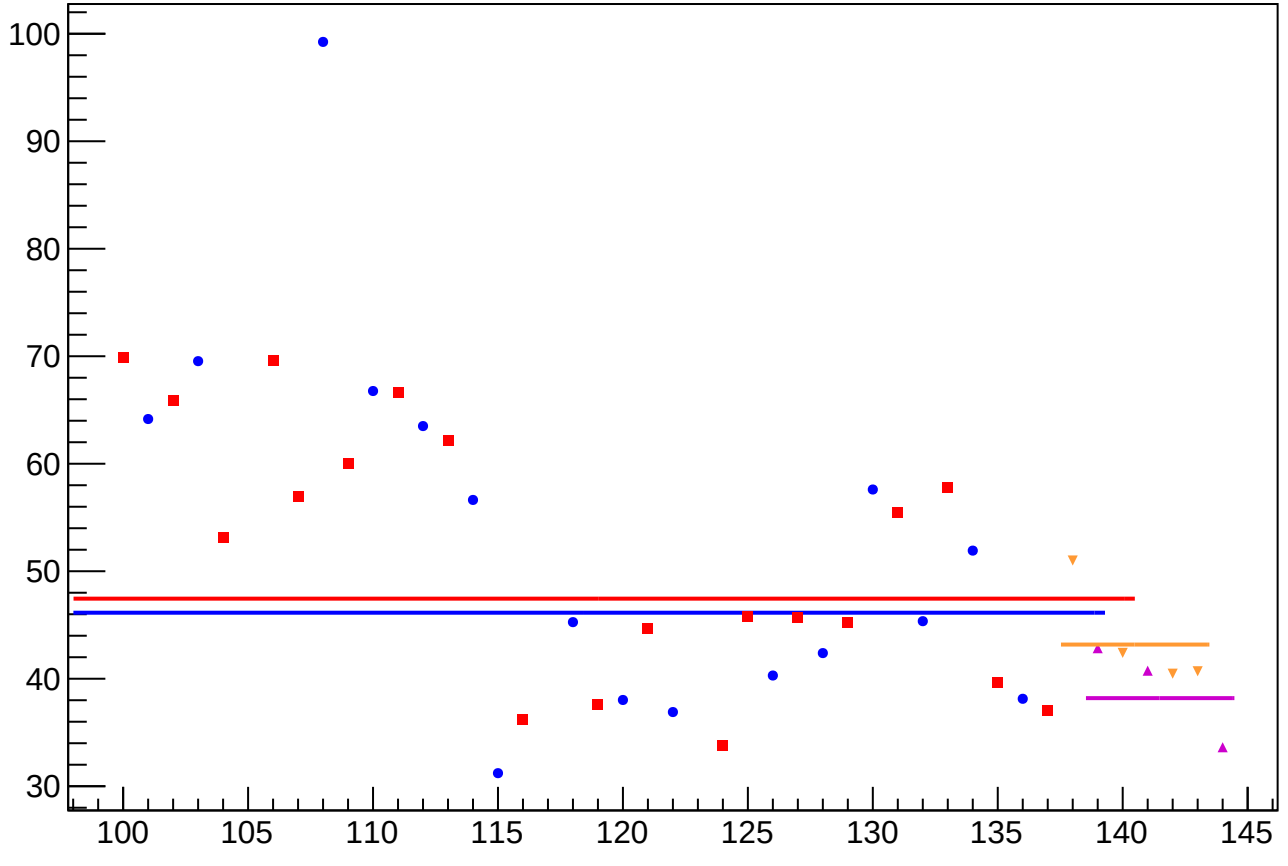
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.019+/-0.014 χ^2/NDF:25.3/18

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.016+/-0.010 χ^2/NDF: 42.1/41

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: 43.179+/-0.019 χ^2/NDF:45346.5/3

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.195+/-0.017 χ^2/NDF:57797.6/2

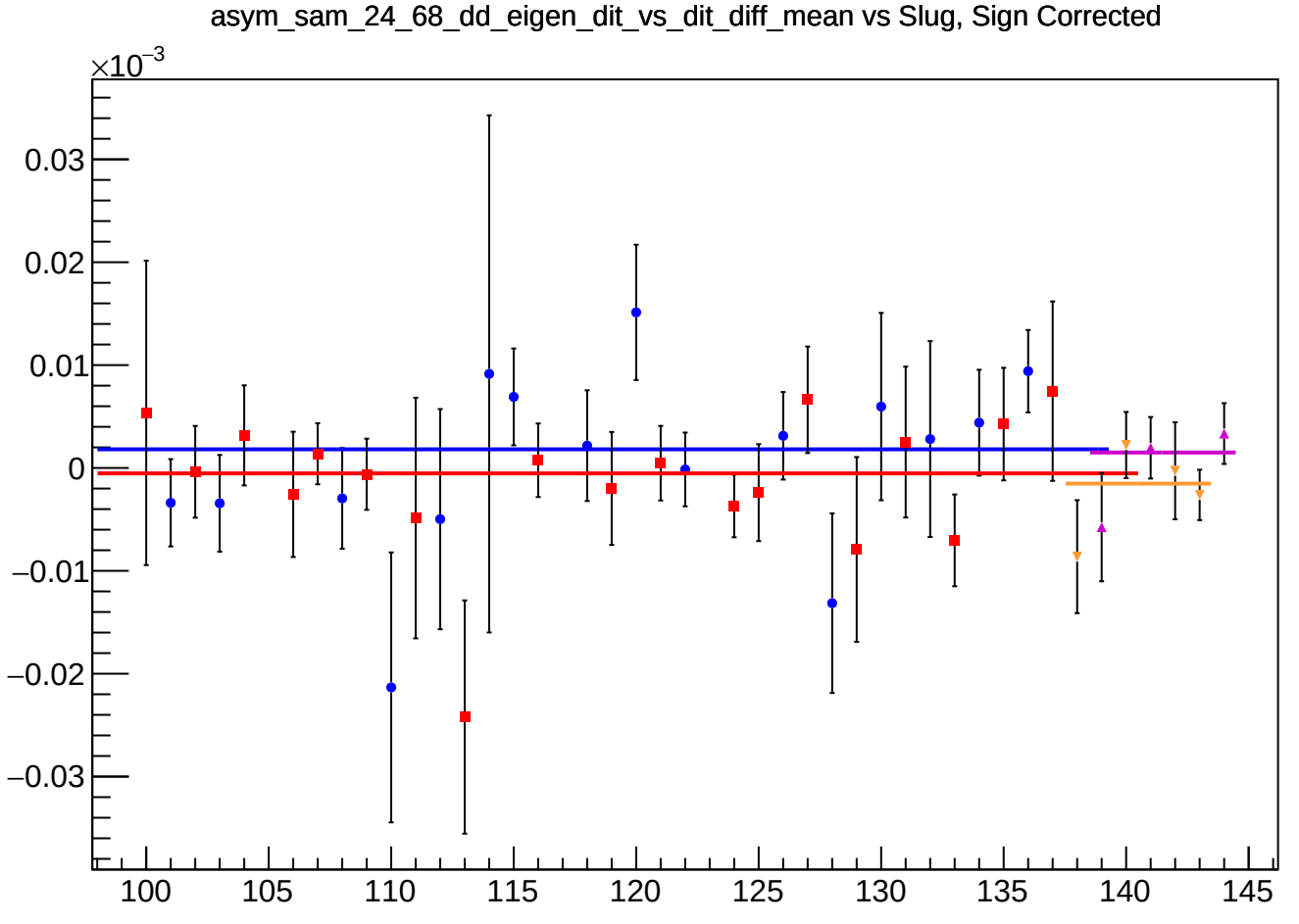
Left: 40.460+/-0.013 χ^2/NDF: 142187.1/6

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.289+/-0.010 χ^2/NDF:1101082.9/18

Out: 46.081+/-0.011 χ^2/NDF:735755.6/22

All: 44.637+/-0.007 χ^2/NDF: 1873084.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/2

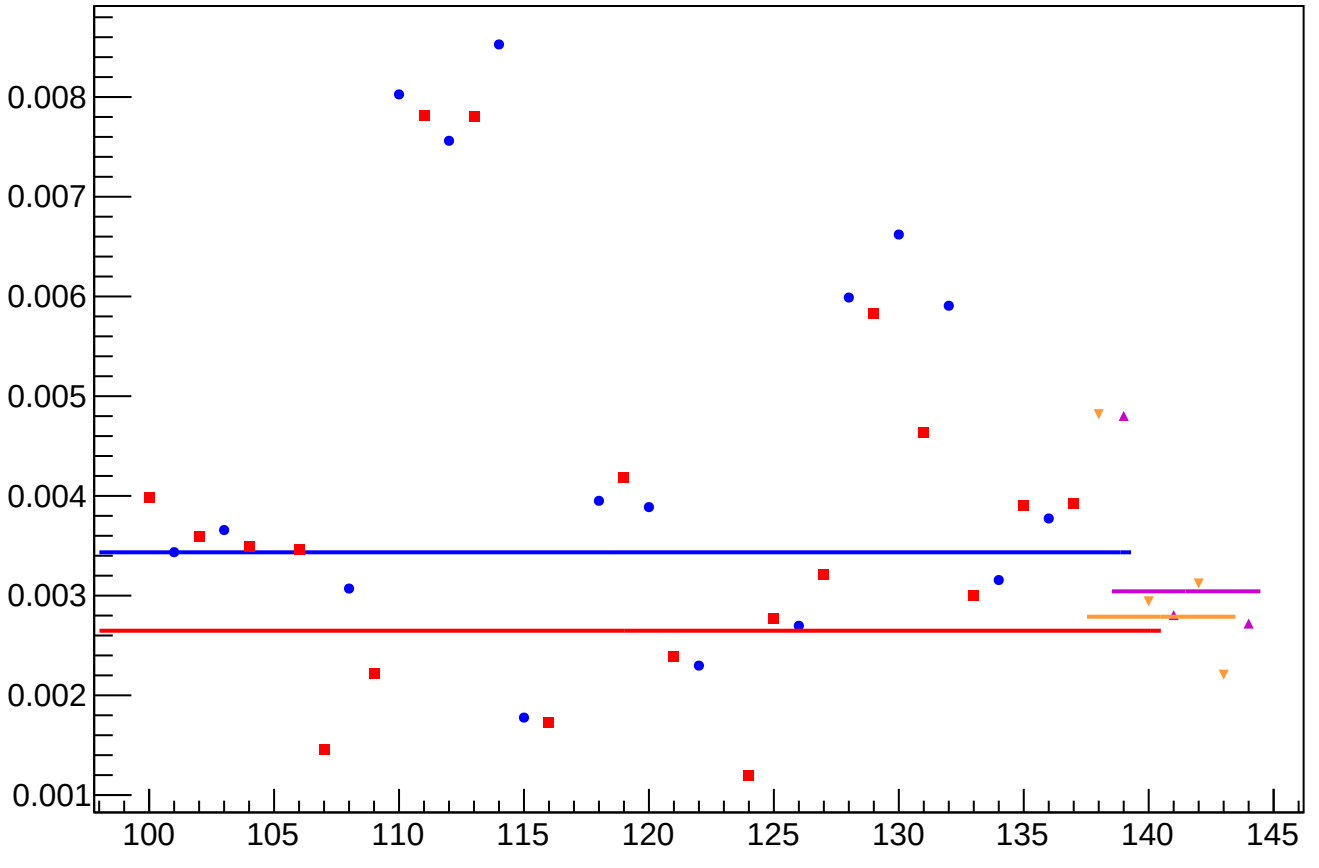
Left: -0.000+/-0.000 χ^2/NDF: 7.0/6

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:22.3/18

Out: -0.000+/-0.000 χ^2/NDF:17.3/22

All: 0.000+/-0.000 χ^2/NDF: 42.7/41



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:400847.4/3

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:260283.4/2

Left: 0.003+/-0.000 χ^2/NDF: 680333.3/6

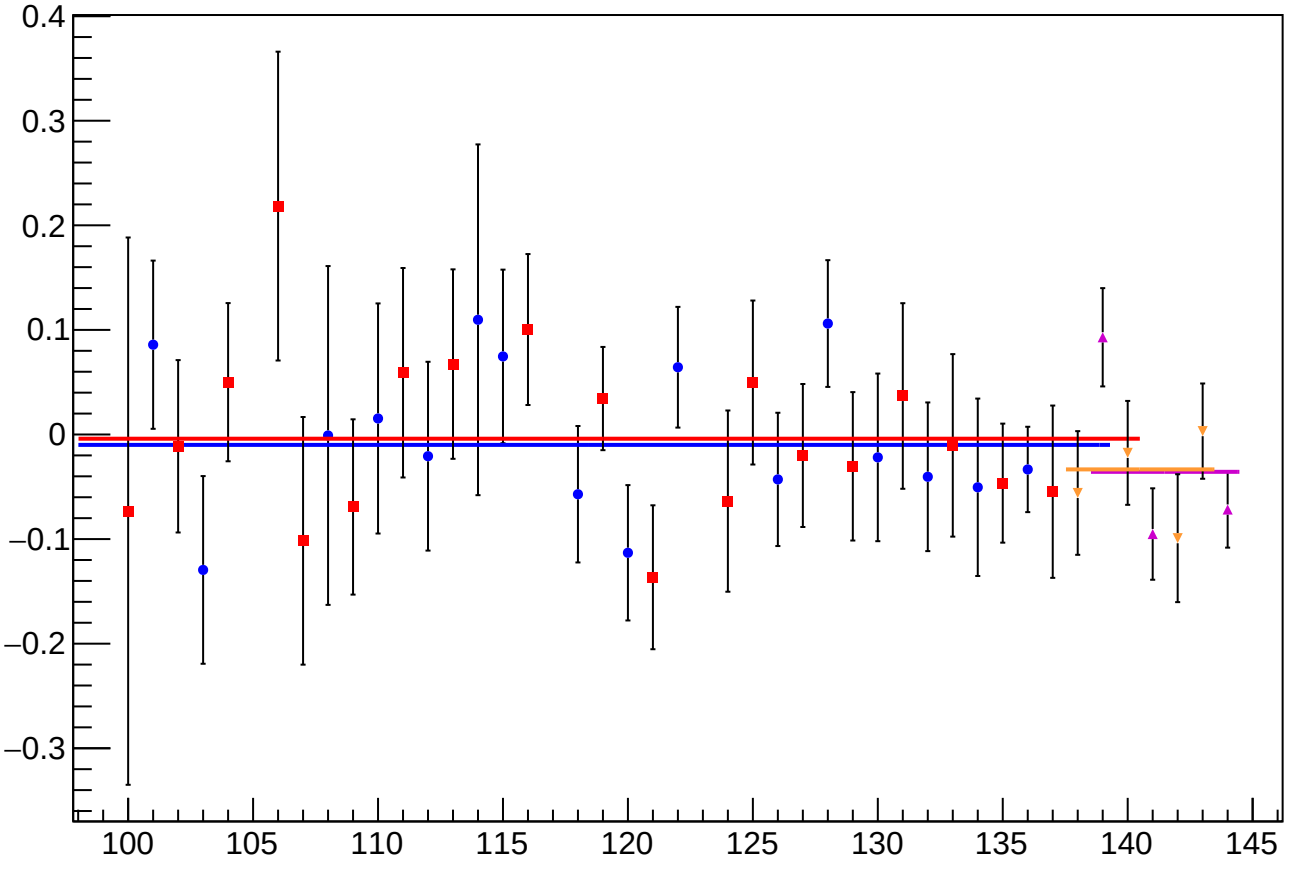
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:2062681.4/18

Out: 0.003+/-0.000 χ^2/NDF:3107332.3/22

All: 0.003+/-0.000 χ^2/NDF: 5530760.0/41

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.036+/-0.024 χ^2/NDF:10.3/2

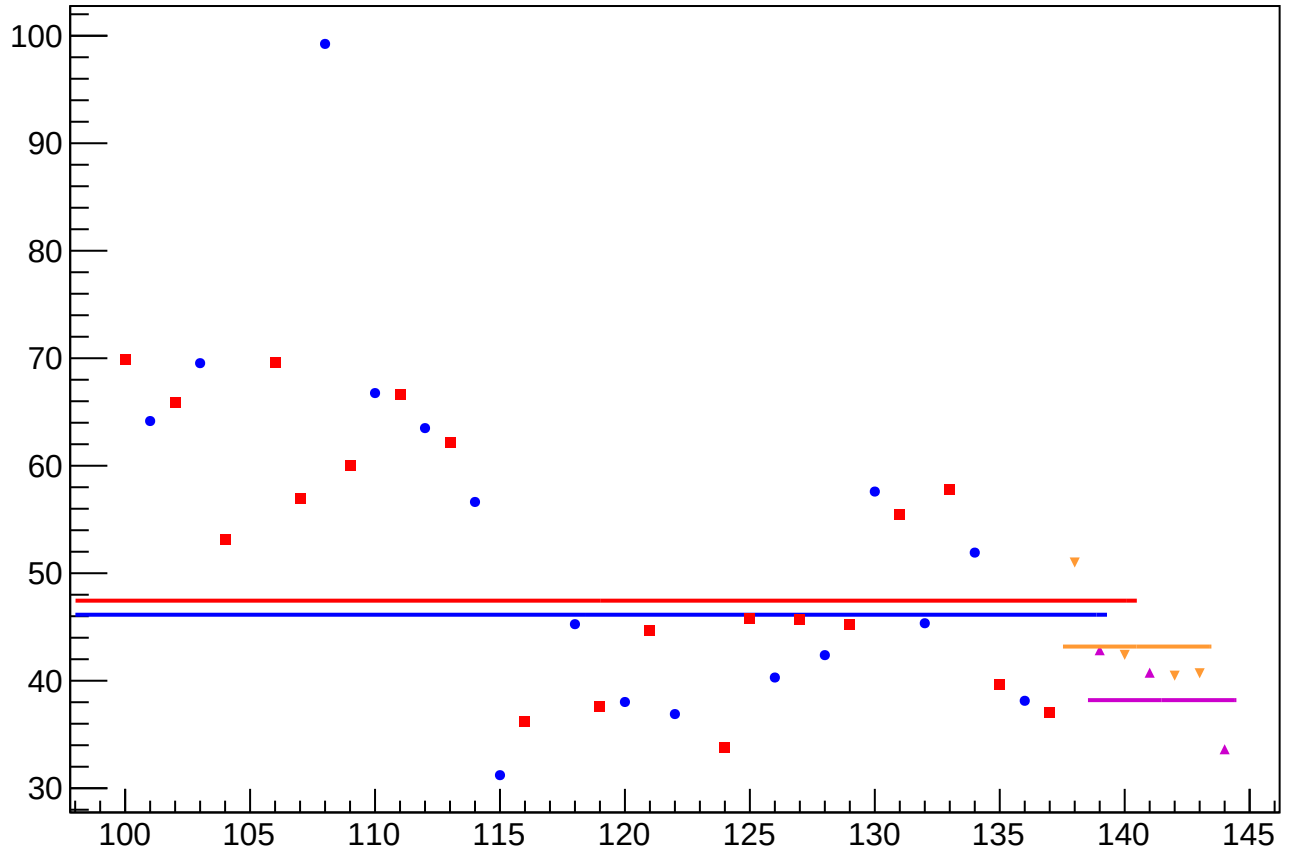
Left: -0.035+/-0.018 χ^2/NDF: 12.4/6

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.019+/-0.014 χ^2/NDF:25.3/18

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.016+/-0.010 χ^2/NDF: 42.1/41



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 43.179+/-0.019 χ^2/NDF:45334.7/3

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.195+/-0.017 χ^2/NDF:57794.4/2

Left: 40.460+/-0.013 χ^2/NDF: 142178.1/6

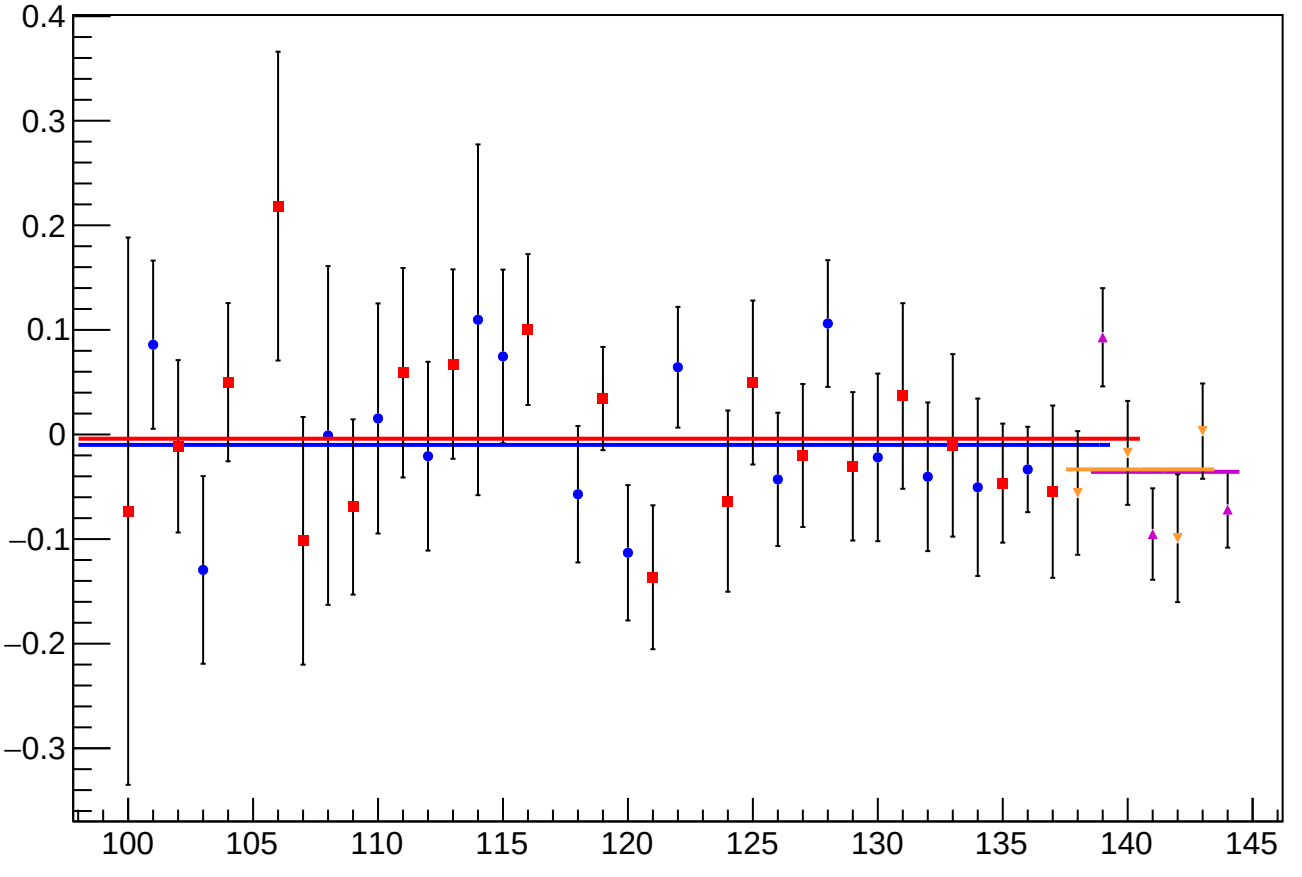
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.288+/-0.010 χ^2/NDF:1101007.7/18

Out: 46.080+/-0.011 χ^2/NDF:735715.7/22

All: 44.636+/-0.007 χ^2/NDF: 1872977.9/41

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.036+/-0.024 χ^2/NDF:10.3/2

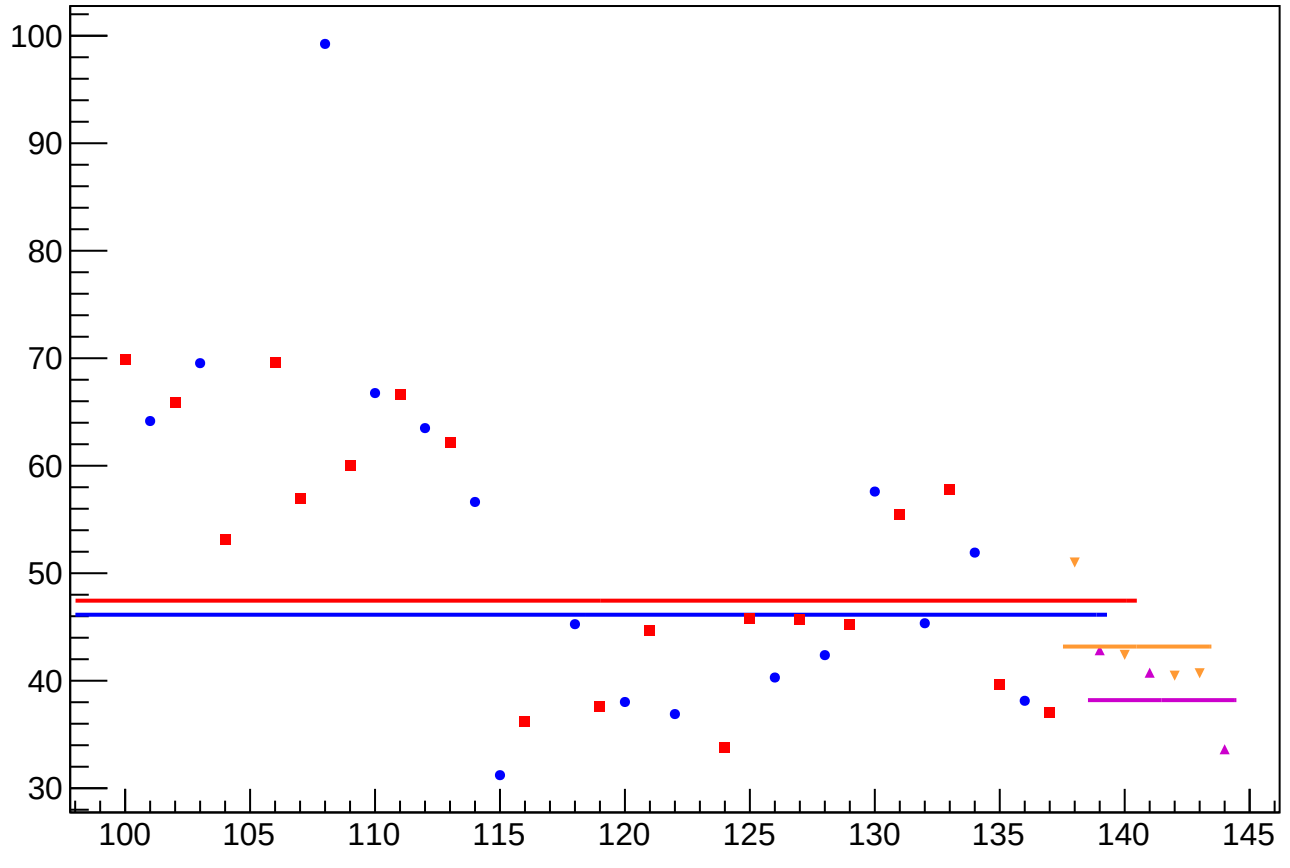
Left: -0.035+/-0.018 χ^2/NDF: 12.4/6

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.019+/-0.014 χ^2/NDF:25.3/18

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.016+/-0.010 χ^2/NDF: 42.1/41



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 43.179+/-0.019 χ^2/NDF:45334.7/3

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.195+/-0.017 χ^2/NDF:57794.4/2

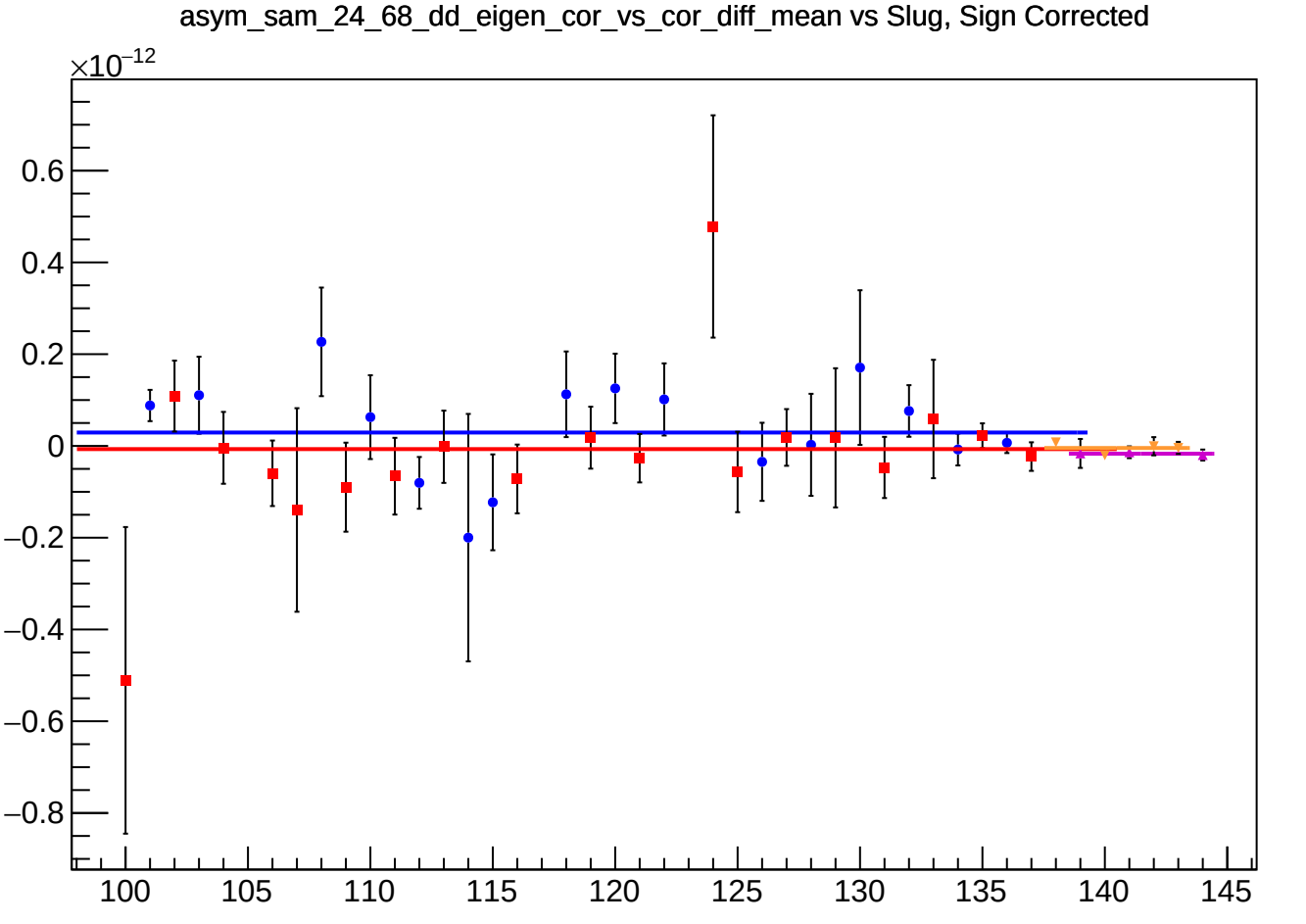
Left: 40.460+/-0.013 χ^2/NDF: 142178.1/6

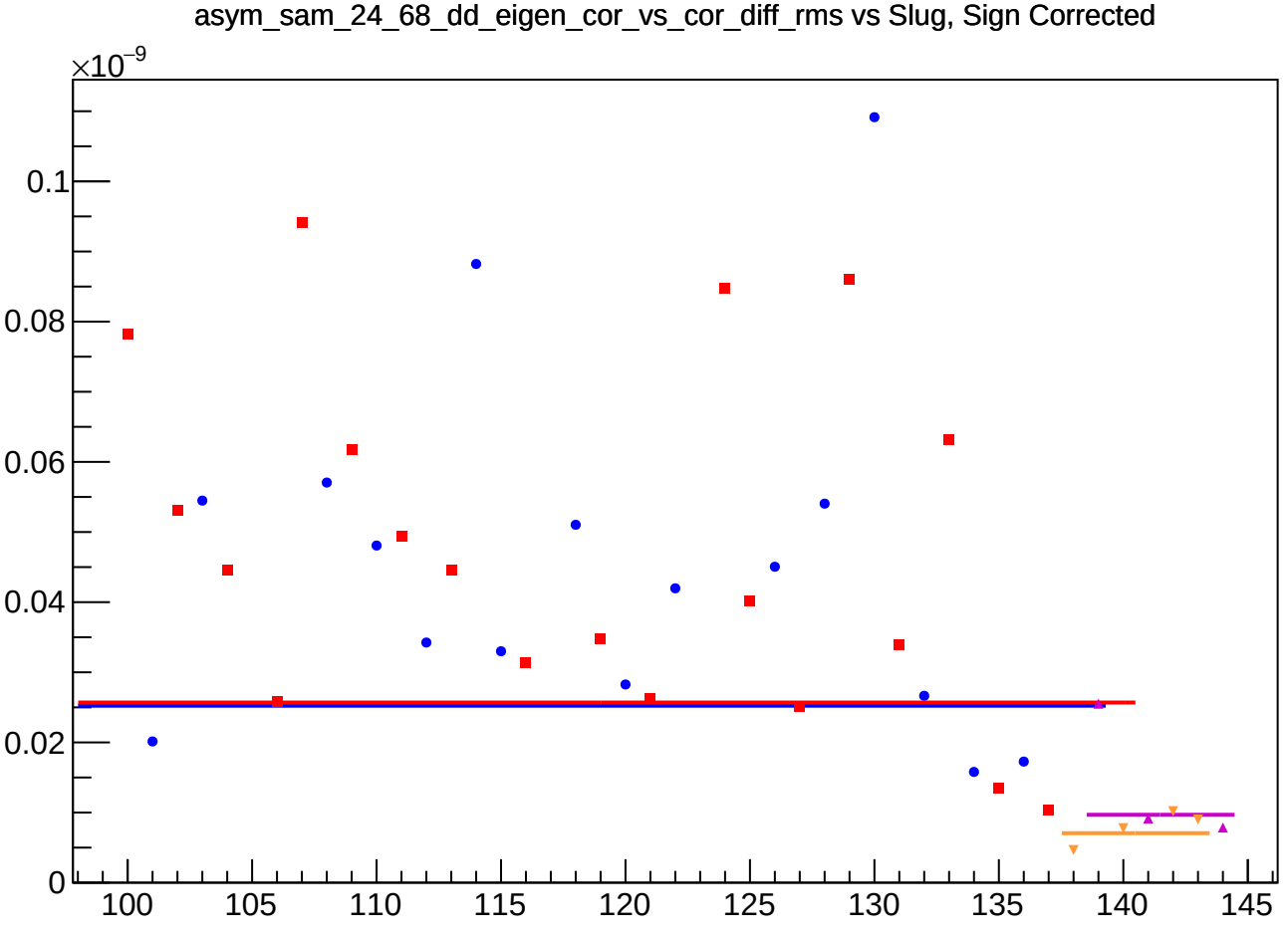
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.288+/-0.010 χ^2/NDF:1101007.7/18

Out: 46.080+/-0.011 χ^2/NDF:735715.7/22

All: 44.636+/-0.007 χ^2/NDF: 1872977.9/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/3
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/2
Left: -0.000+/-0.000 χ²/NDF: 5.5/6
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:29.4/18
Out: -0.000+/-0.000 χ²/NDF:18.2/22
All: -0.000+/-0.000 χ²/NDF: 47.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:226109.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:553456.3/2

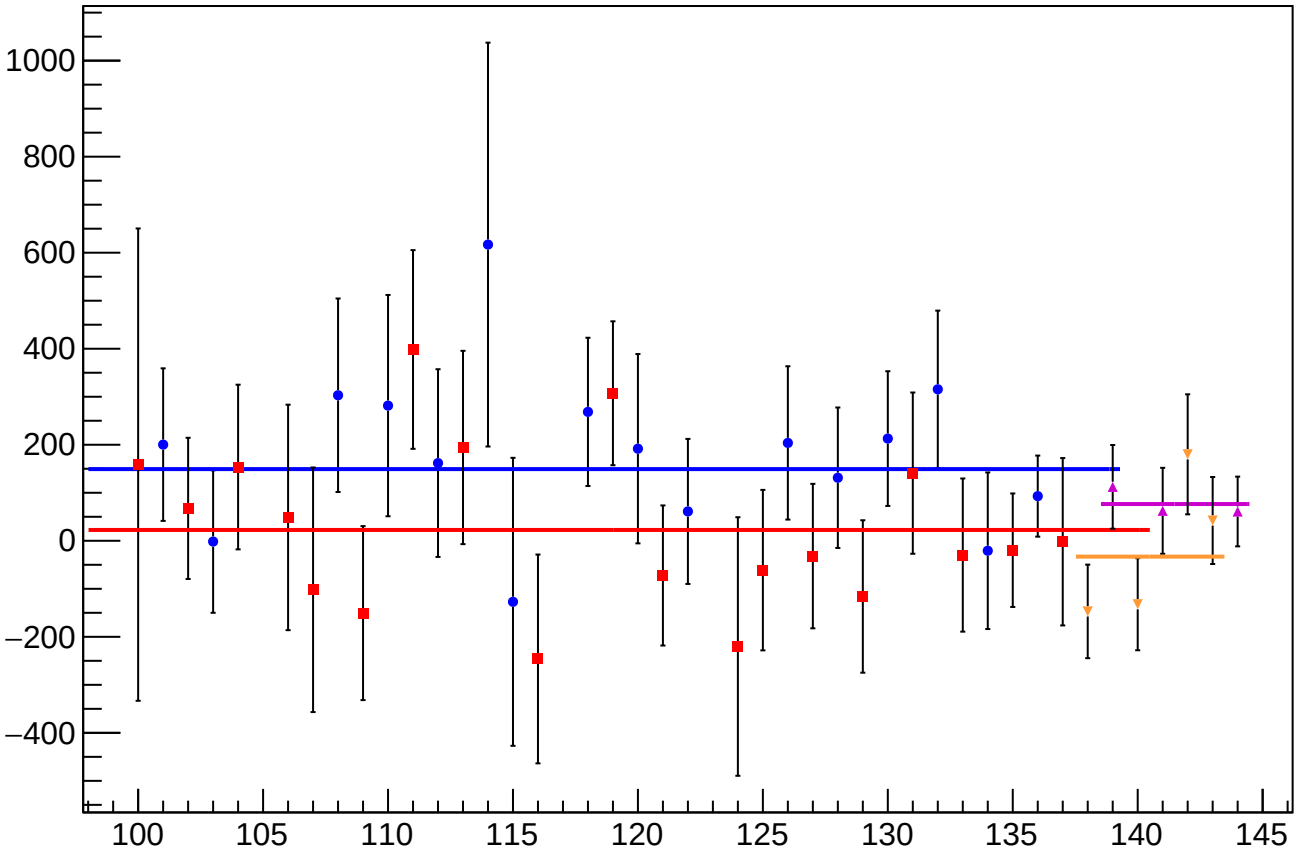
Left: 0.000+/-0.000 χ^2/NDF: 908323.3/6

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4579673.7/18

Out: 0.000+/-0.000 χ^2/NDF:5890399.3/22

All: 0.000+/-0.000 χ^2/NDF: 10903534.2/41



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.016+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 76.554+/-47.341 χ^2/NDF:0.2/2

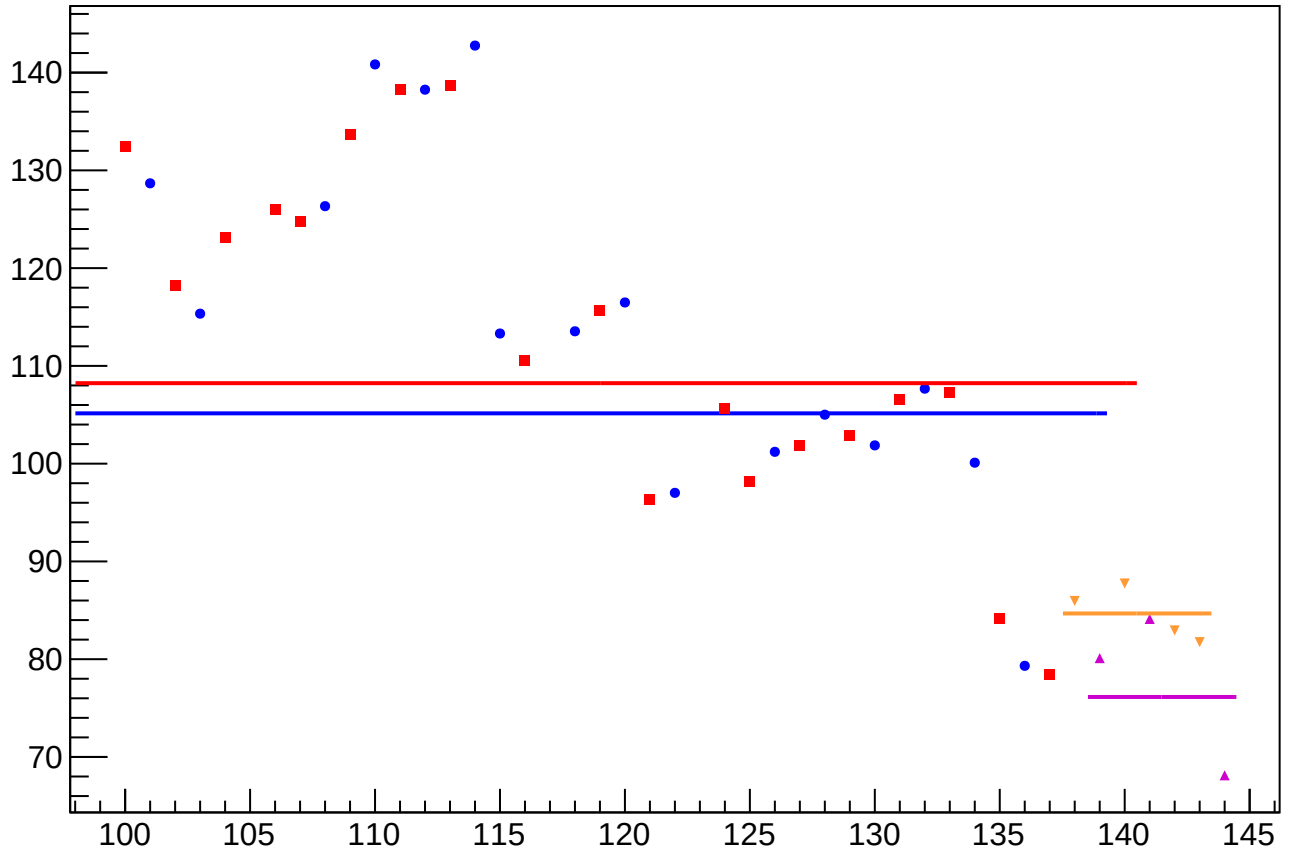
Left: 24.755+/-34.376 χ^2/NDF: 8.8/6

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 119.278+/-30.414 χ^2/NDF:9.6/18

Out: 0.797+/-31.282 χ^2/NDF:21.0/22

All: 61.703+/-21.806 χ^2/NDF: 38.0/41



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 76.135+/-0.033 χ^2/NDF:44419.2/2

Left: 80.173+/-0.024 χ^2/NDF: 80074.1/6

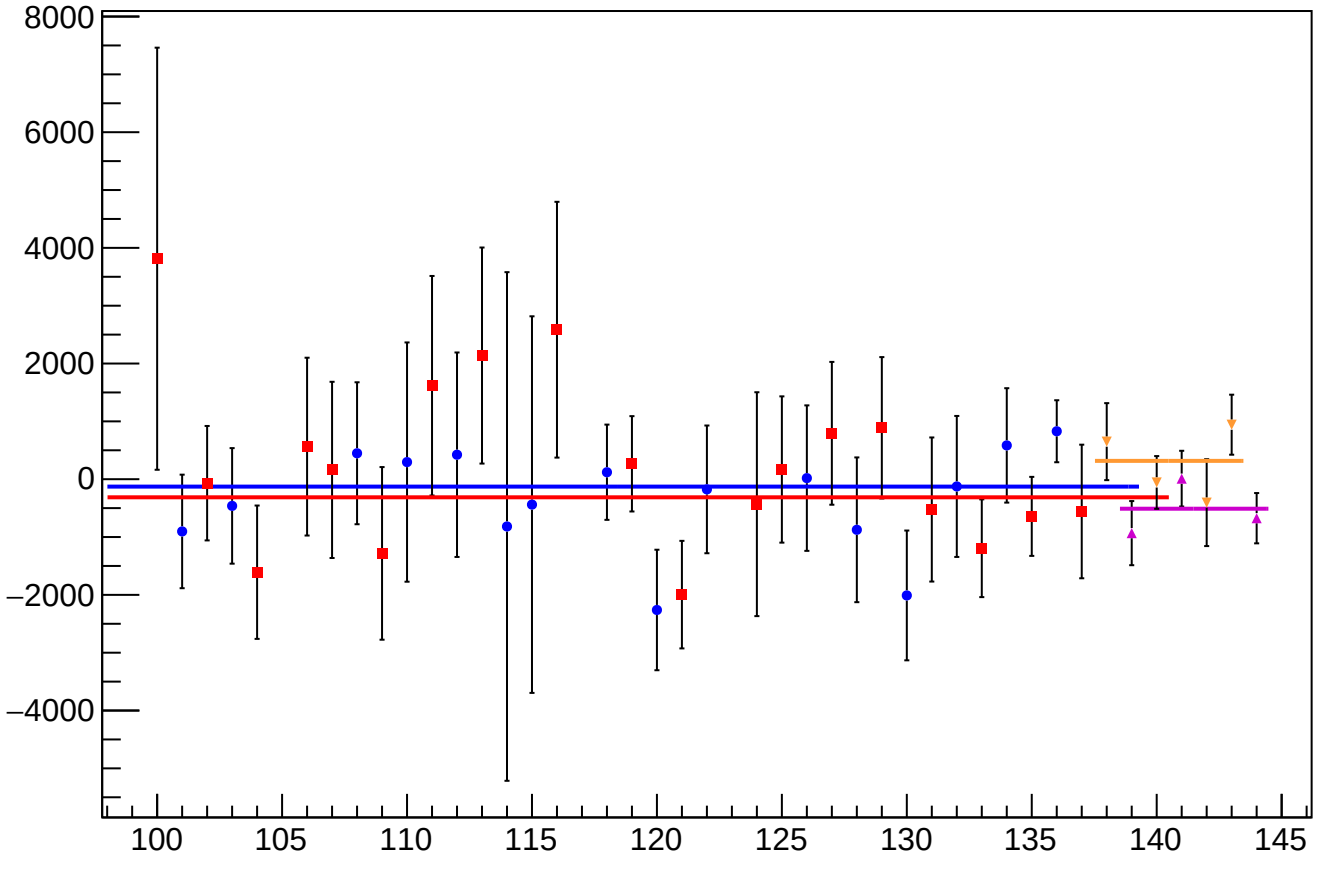
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 93.173+/-0.022 χ^2/NDF:893904.0/18

Out: 99.011+/-0.022 χ^2/NDF:624982.4/22

All: 96.010+/-0.015 χ^2/NDF: 1554702.2/41

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: 316.883+/-282.271 χ^2/NDF:3.3/3

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -510.403+/-278.967 χ^2/NDF:1.9/2

Left: -101.630+/-198.417 χ^2/NDF: 9.5/6

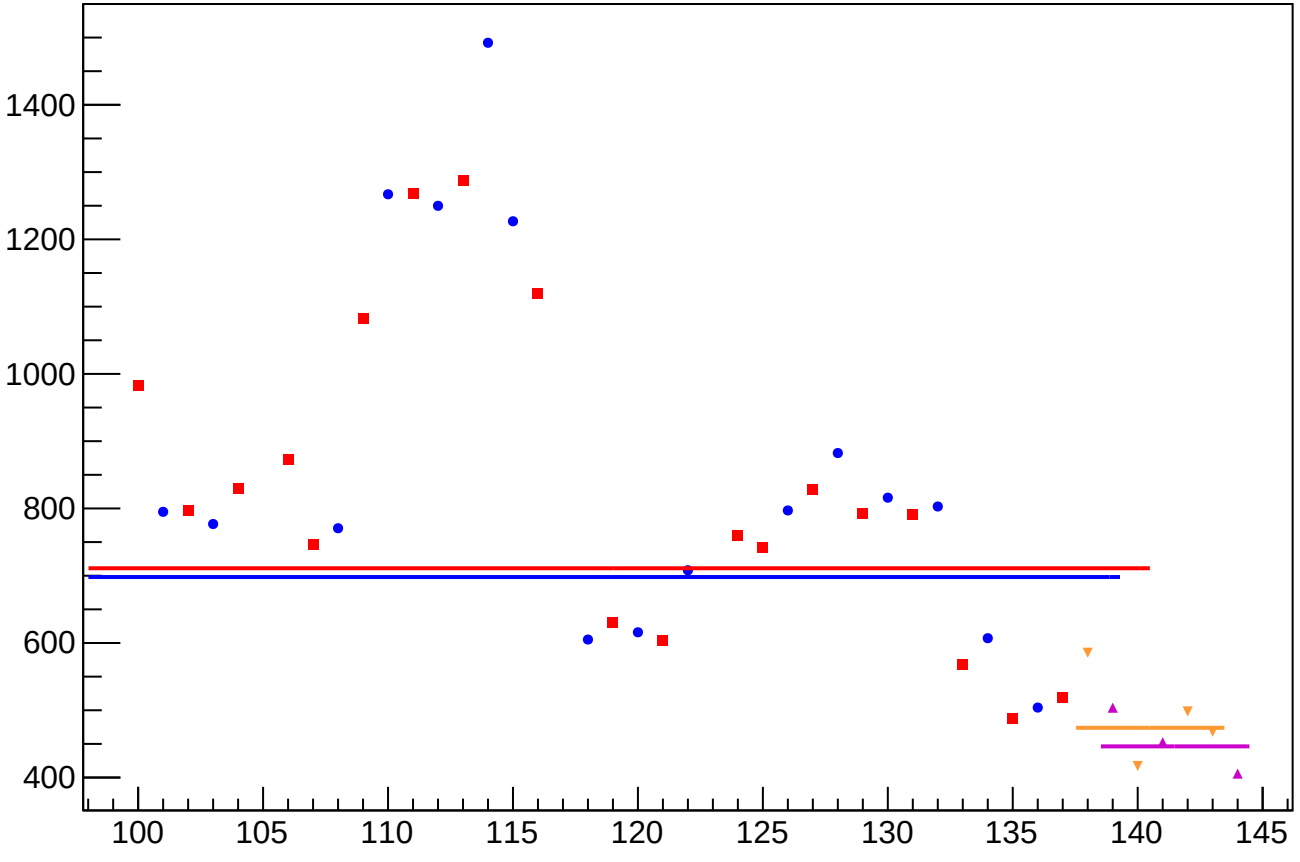
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -312.001+/-193.494 χ^2/NDF:15.2/18

Out: -11.911+/-195.162 χ^2/NDF:20.9/22

All: -163.244+/-137.407 χ^2/NDF: 37.3/41

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 473.944+/-0.200 χ^2/NDF:89513.1/3

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 446.331+/-0.197 χ^2/NDF:39164.7/2

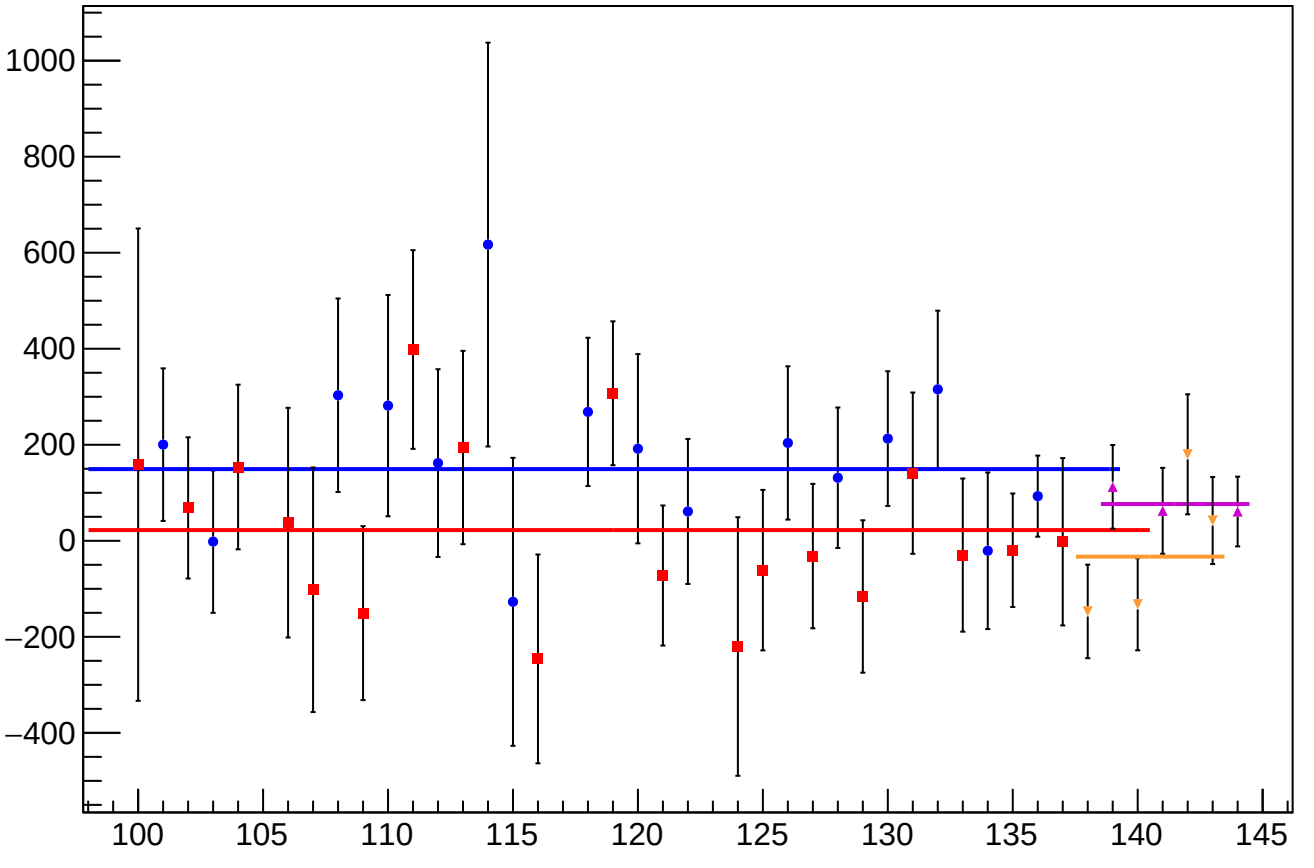
Left: 459.975+/-0.140 χ^2/NDF: 138360.0/6

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 576.952+/-0.137 χ^2/NDF:1797023.7/18

Out: 597.725+/-0.138 χ^2/NDF:1861456.2/22

All: 587.249+/-0.097 χ^2/NDF: 3669906.8/41



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 76.555+/-47.341 χ^2/NDF:0.2/2

Left: 24.753+/-34.376 χ^2/NDF: 8.8/6

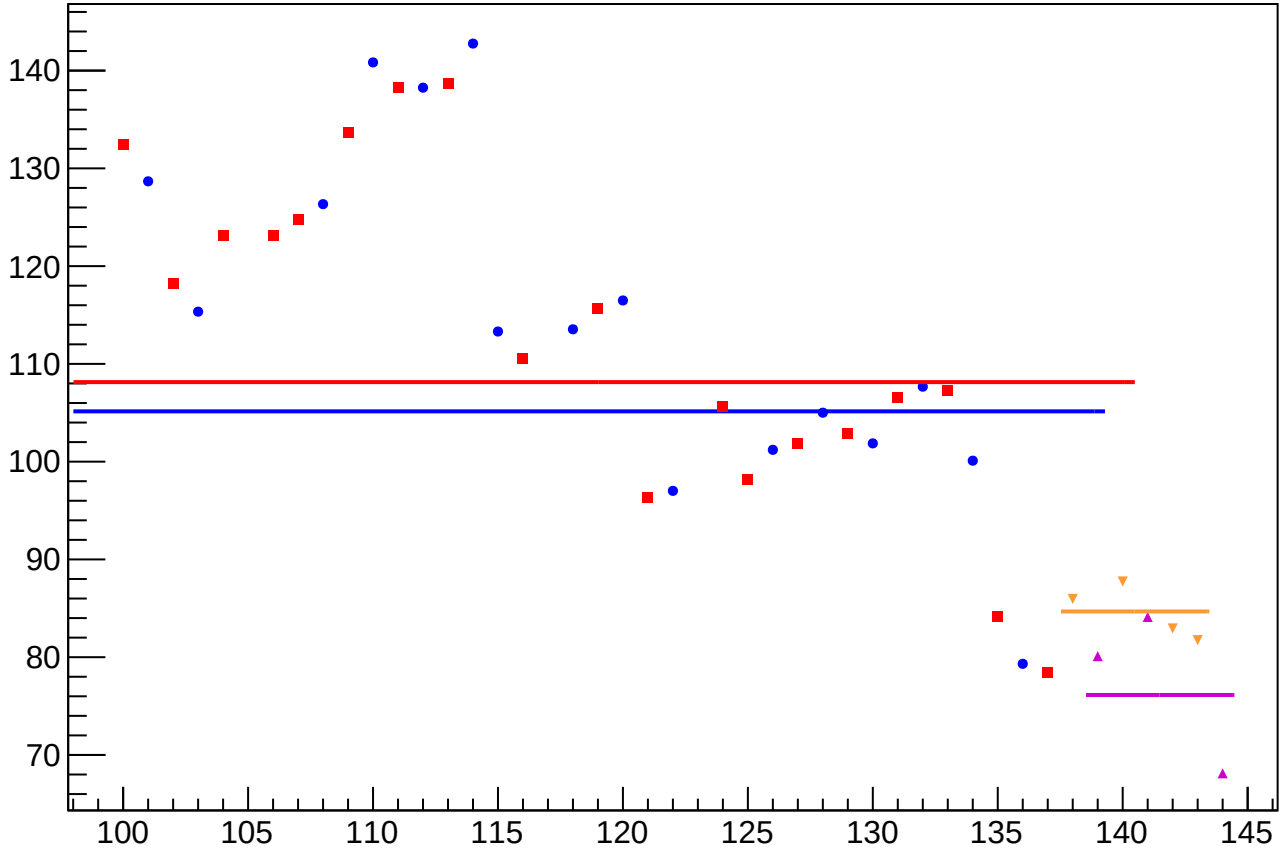
Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 119.273+/-30.414 χ^2/NDF:9.6/18

Out: 0.626+/-31.292 χ^2/NDF:21.0/22

All: 61.638+/-21.810 χ^2/NDF: 38.0/41

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 76.135+/-0.033 χ^2/NDF:44419.2/2

Left: 80.173+/-0.024 χ^2/NDF: 80074.1/6

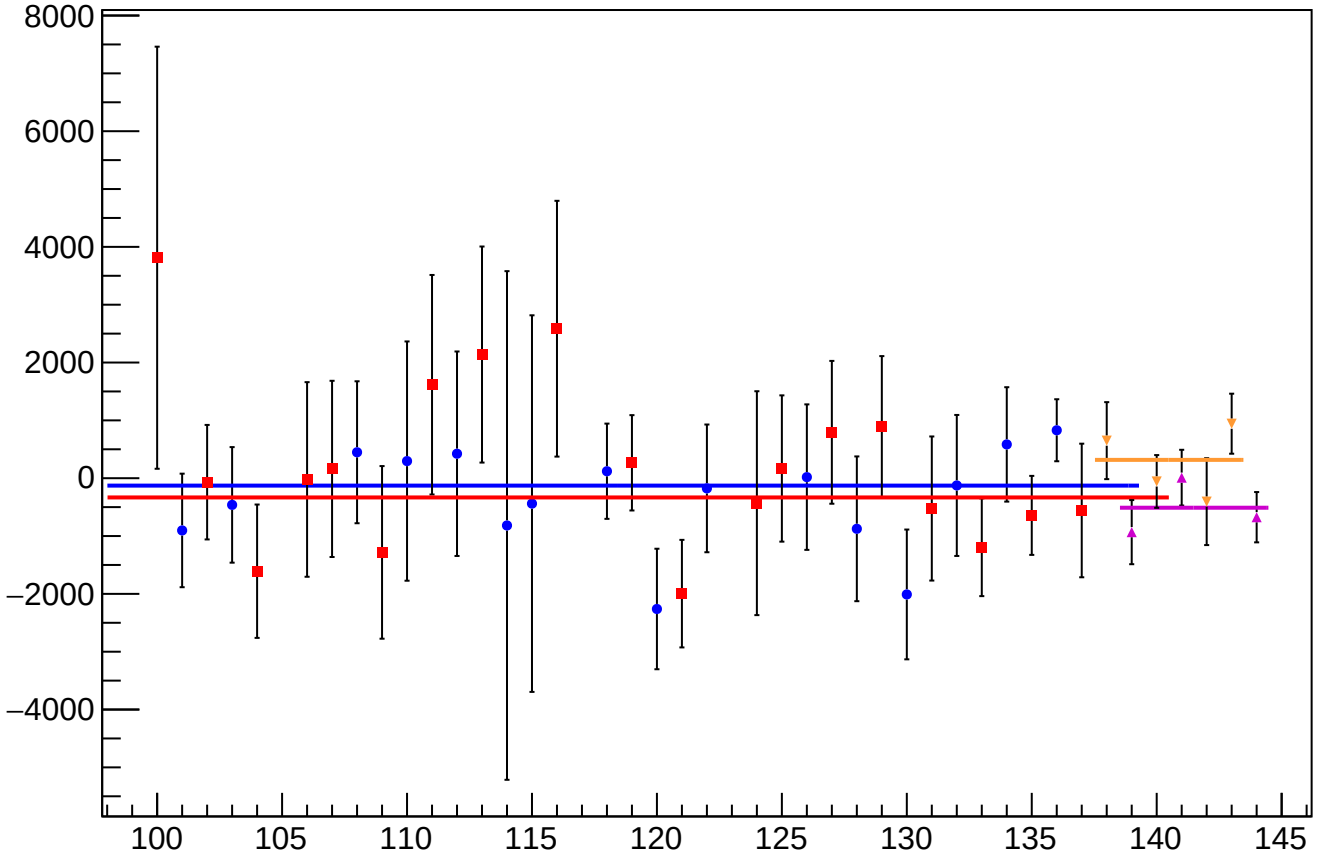
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 93.173+/-0.022 χ^2/NDF:893904.4/18

Out: 98.946+/-0.022 χ^2/NDF:619046.2/22

All: 95.977+/-0.015 χ^2/NDF: 1547963.5/41

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.873+/-282.271 χ^2/NDF:3.3/3

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -510.402+/-278.967 χ^2/NDF:1.9/2

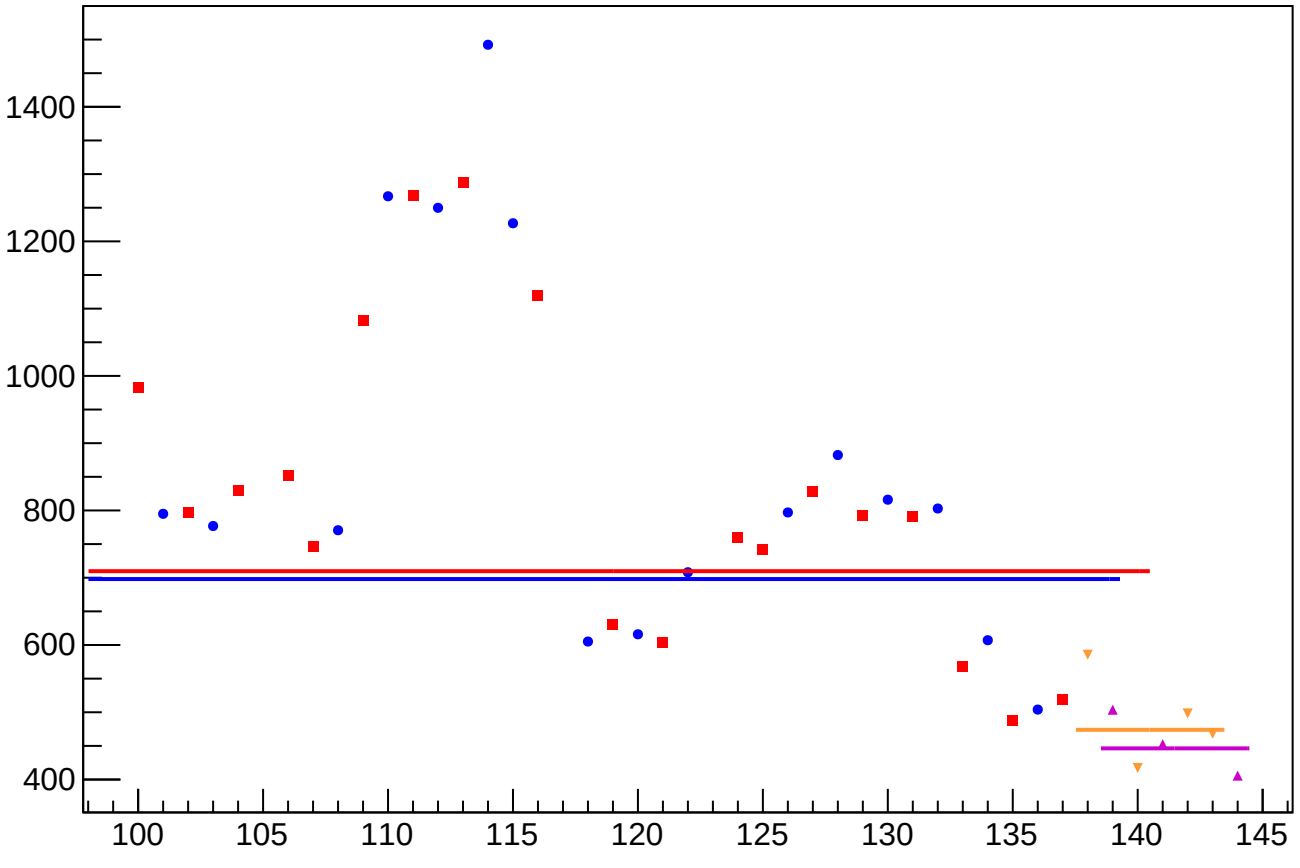
Left: -101.635+/-198.417 χ^2/NDF: 9.5/6

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -311.996+/-193.494 χ^2/NDF:15.2/18

Out: -21.320+/-195.427 χ^2/NDF:20.8/22

All: -168.103+/-137.499 χ^2/NDF: 37.0/41



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 446.331+/-0.197 χ^2/NDF:39164.4/2

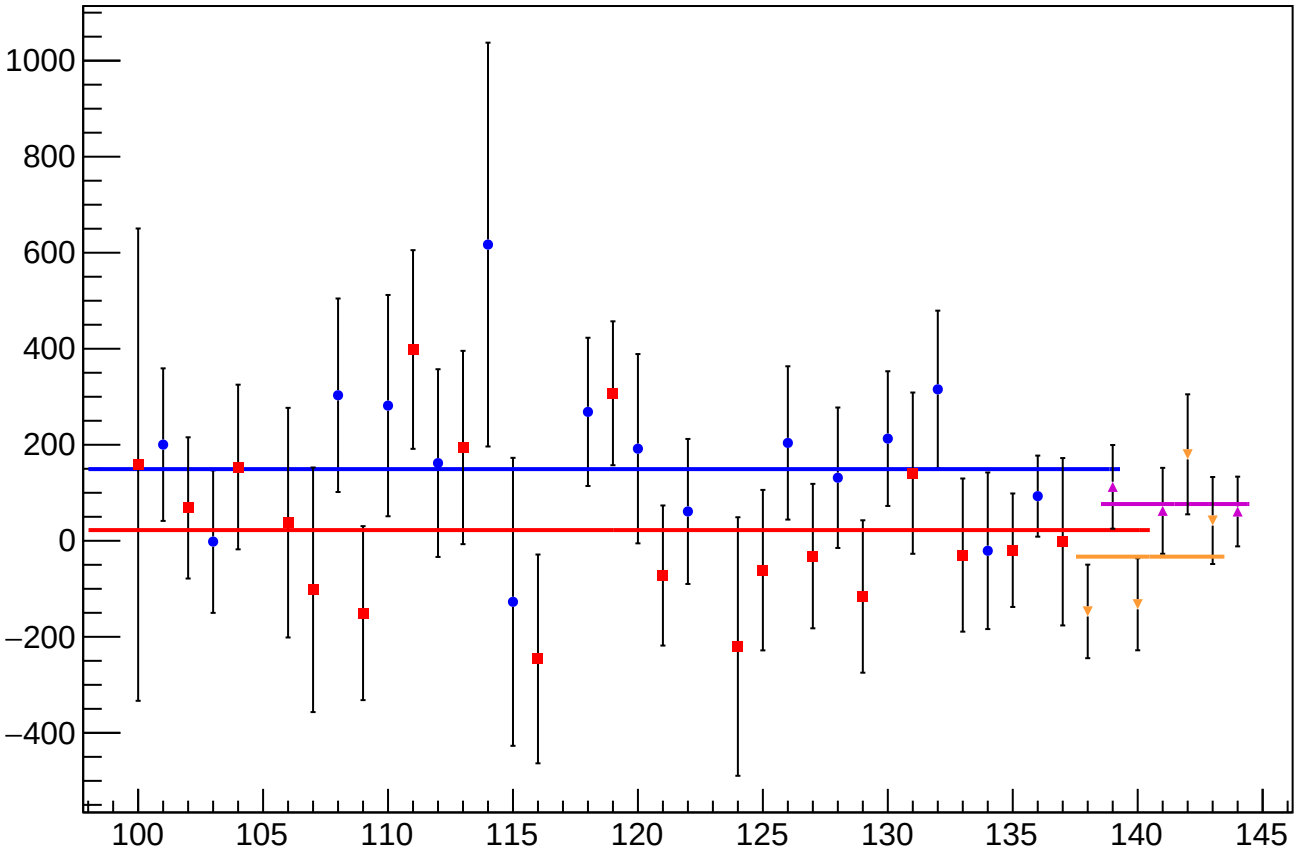
Left: 459.975+/-0.140 χ^2/NDF: 138359.3/6

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 576.952+/-0.137 χ^2/NDF:1797034.4/18

Out: 596.719+/-0.138 χ^2/NDF:1843336.2/22

All: 586.737+/-0.097 χ^2/NDF: 3650703.7/41



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 76.555+/-47.341 χ^2/NDF:0.2/2

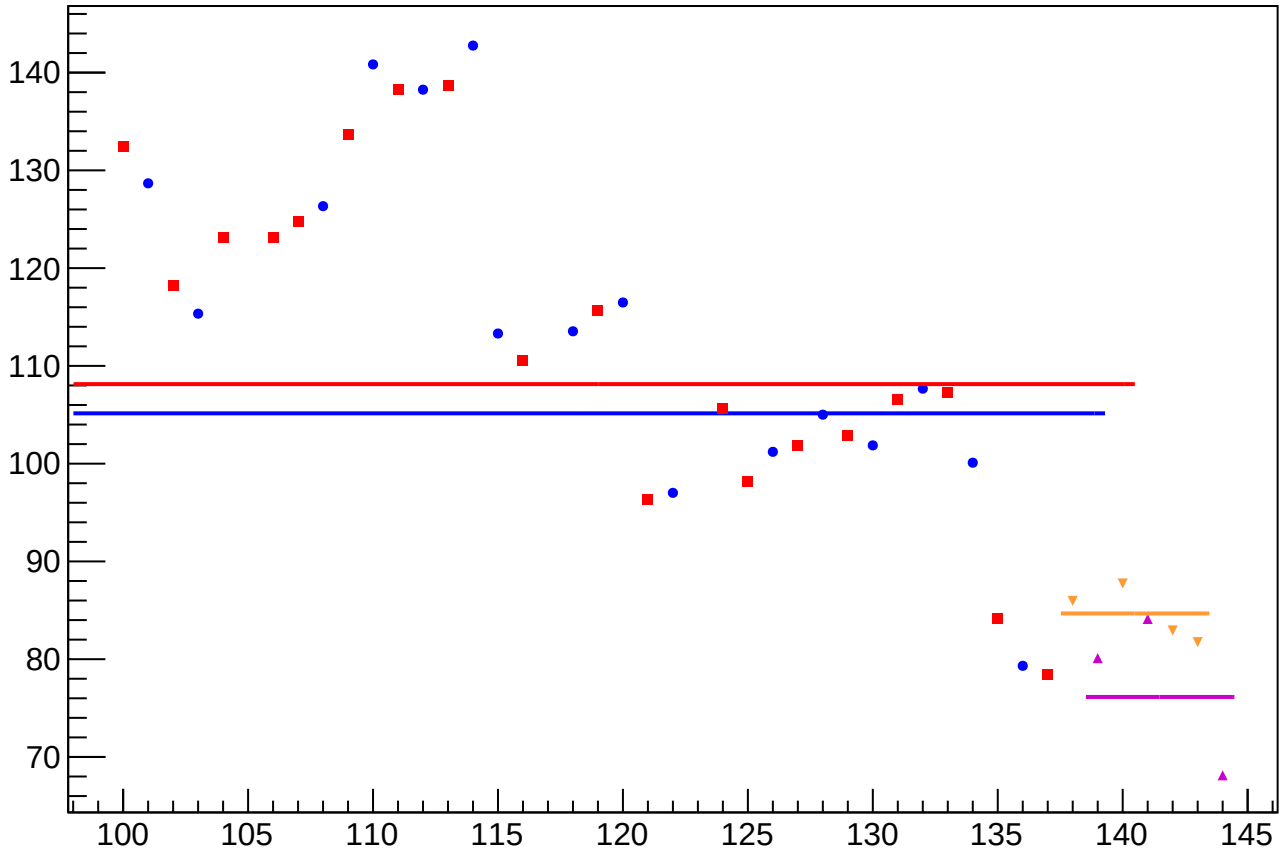
Left: 24.753+/-34.376 χ^2/NDF: 8.8/6

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 119.273+/-30.414 χ^2/NDF:9.6/18

Out: 0.626+/-31.292 χ^2/NDF:21.0/22

All: 61.638+/-21.810 χ^2/NDF: 38.0/41



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 76.135+/-0.033 χ^2/NDF:44419.2/2

Left: 80.173+/-0.024 χ^2/NDF: 80074.1/6

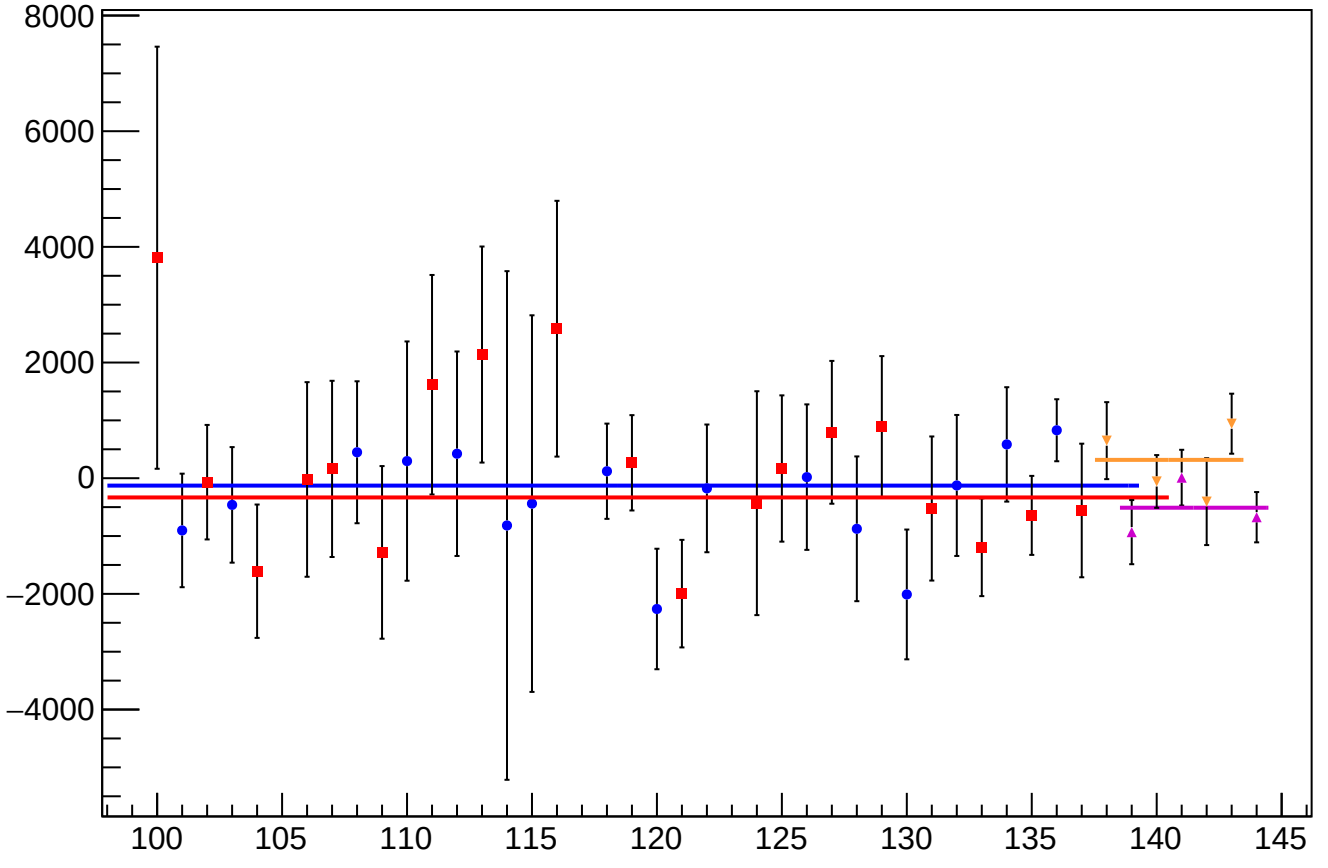
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 93.173+/-0.022 χ^2/NDF:893904.4/18

Out: 98.946+/-0.022 χ^2/NDF:619046.2/22

All: 95.977+/-0.015 χ^2/NDF: 1547963.5/41

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: 316.873+/-282.271 χ^2/NDF:3.3/3

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -510.402+/-278.967 χ^2/NDF:1.9/2

Left: -101.635+/-198.417 χ^2/NDF: 9.5/6

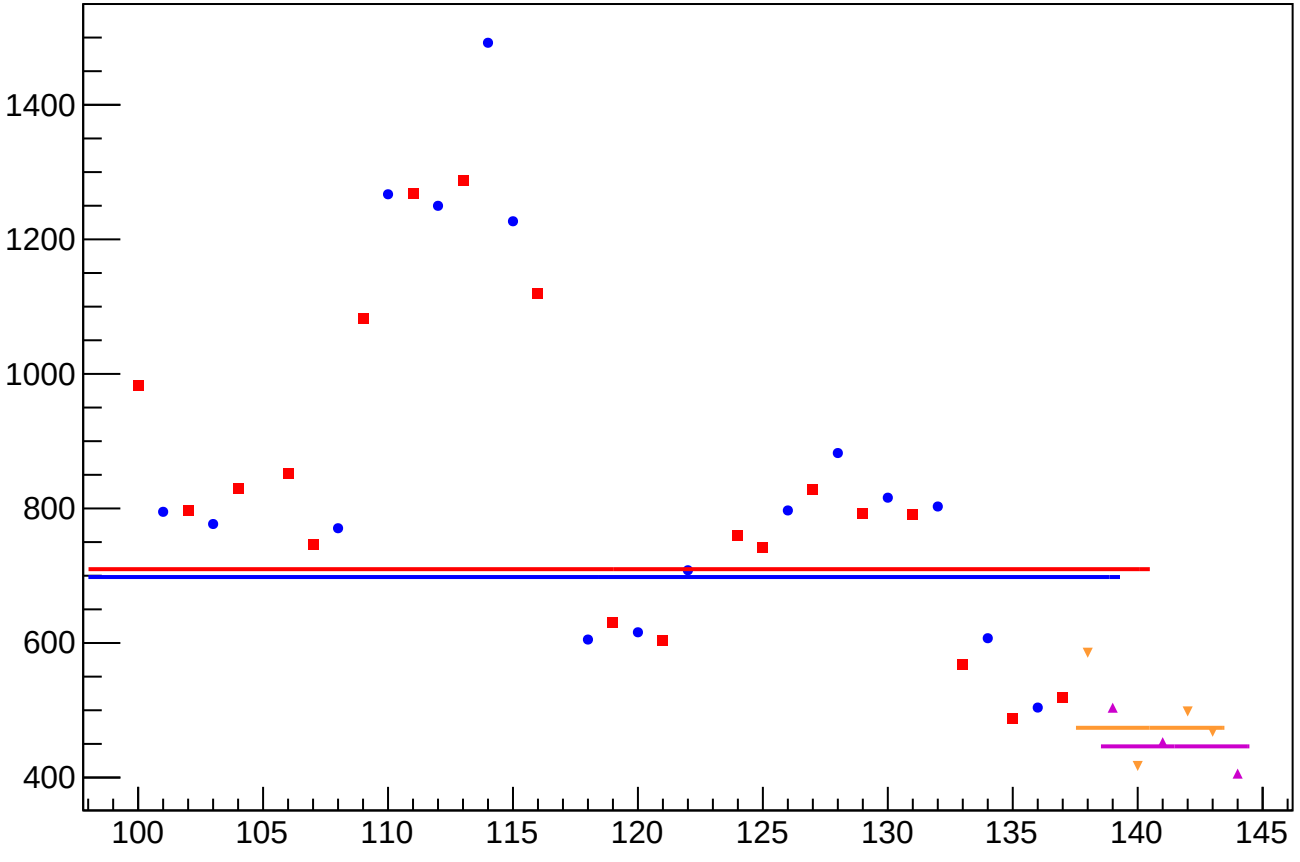
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -311.996+/-193.494 χ^2/NDF:15.2/18

Out: -21.320+/-195.427 χ^2/NDF:20.8/22

All: -168.103+/-137.499 χ^2/NDF: 37.0/41

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: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 446.331+/-0.197 χ^2/NDF:39164.4/2

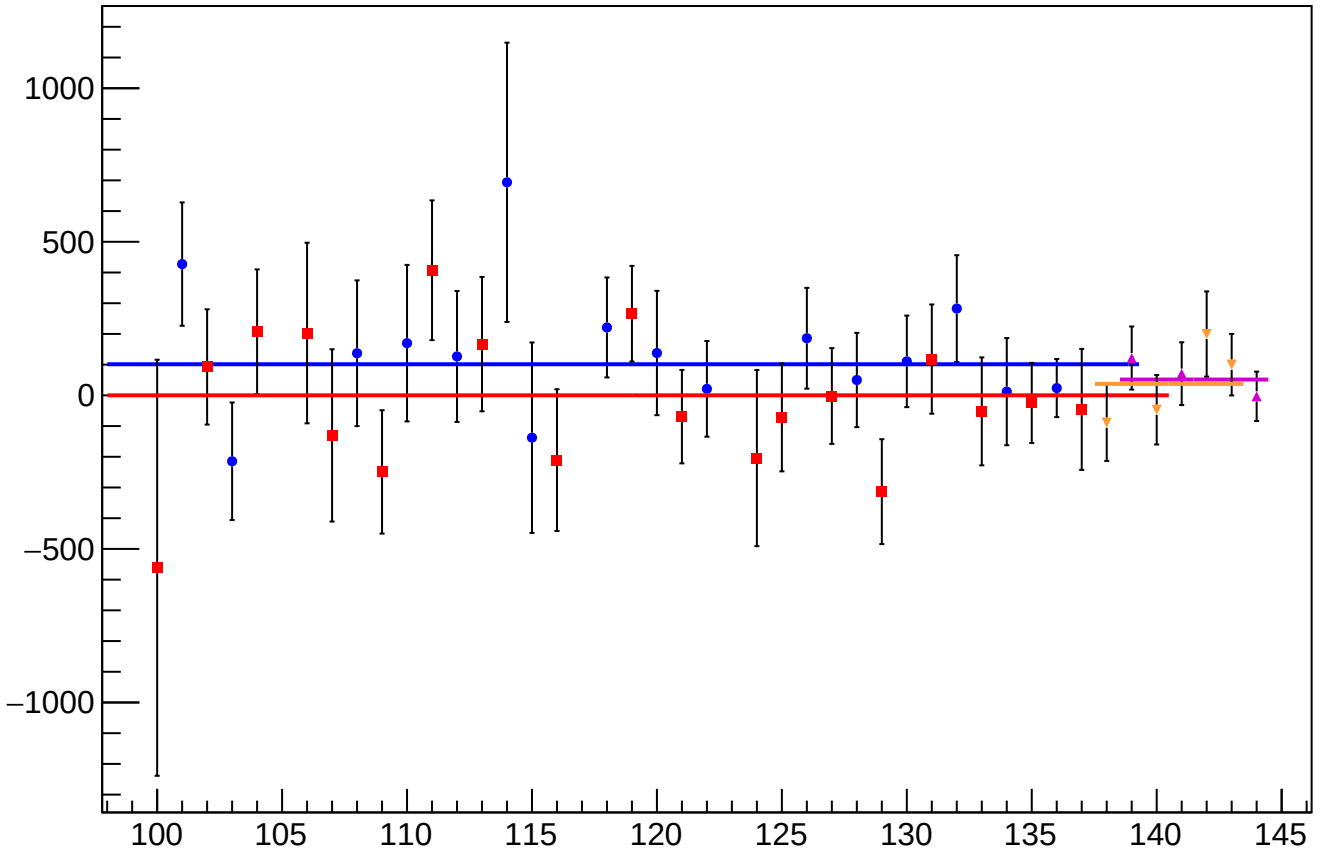
Left: 459.975+/-0.140 χ^2/NDF: 138359.3/6

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 576.952+/-0.137 χ^2/NDF:1797034.4/18

Out: 596.719+/-0.138 χ^2/NDF:1843336.2/22

All: 586.737+/-0.097 χ^2/NDF: 3650703.7/41



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 51.498+/-53.797 χ^2/NDF:1.0/2

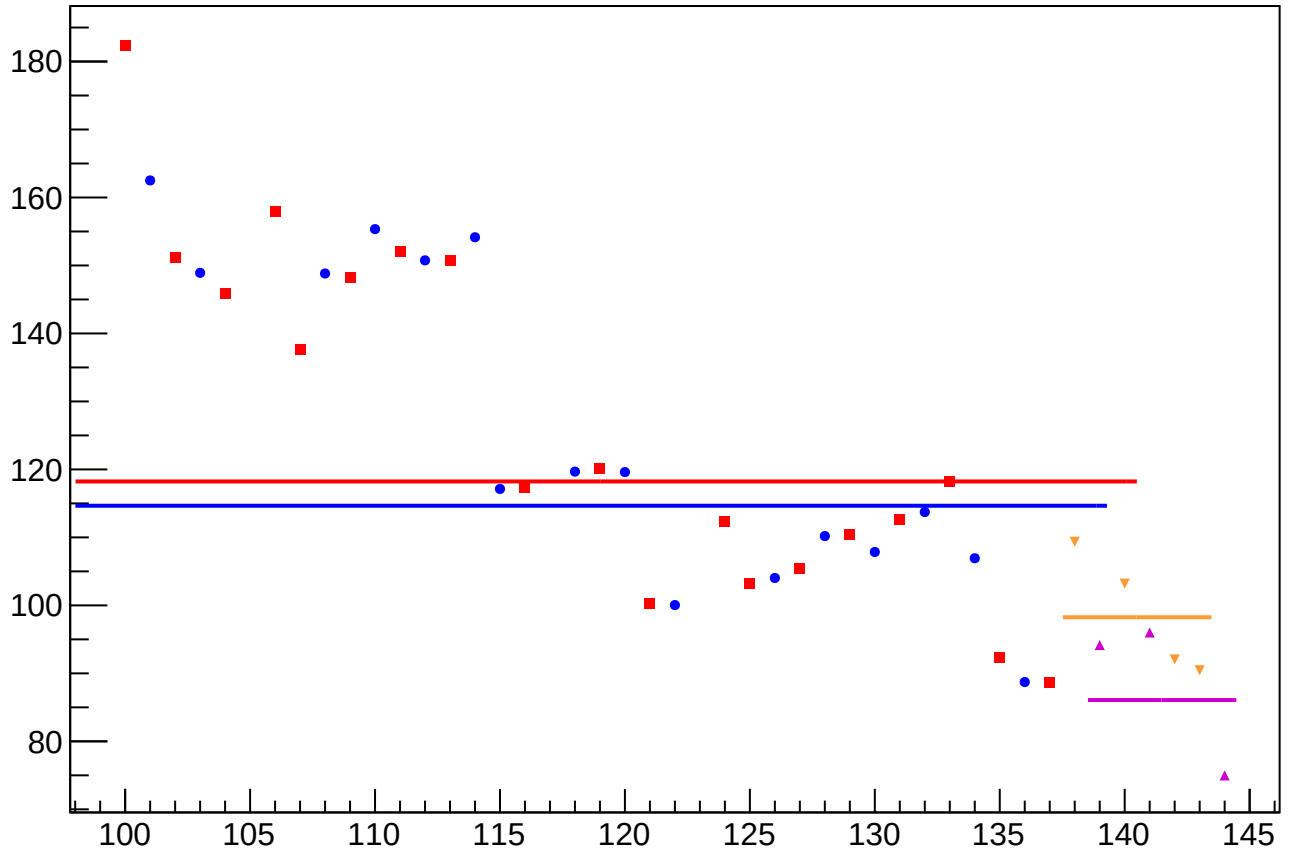
Left: 44.970+/-39.539 χ^2/NDF: 4.3/6

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 81.594+/-33.830 χ^2/NDF:12.5/18

Out: 13.627+/-35.140 χ^2/NDF:20.2/22

All: 48.901+/-24.371 χ^2/NDF: 34.6/41



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.254+/-0.041 χ^2/NDF:35829.4/3

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 86.071+/-0.038 χ^2/NDF:69399.3/2

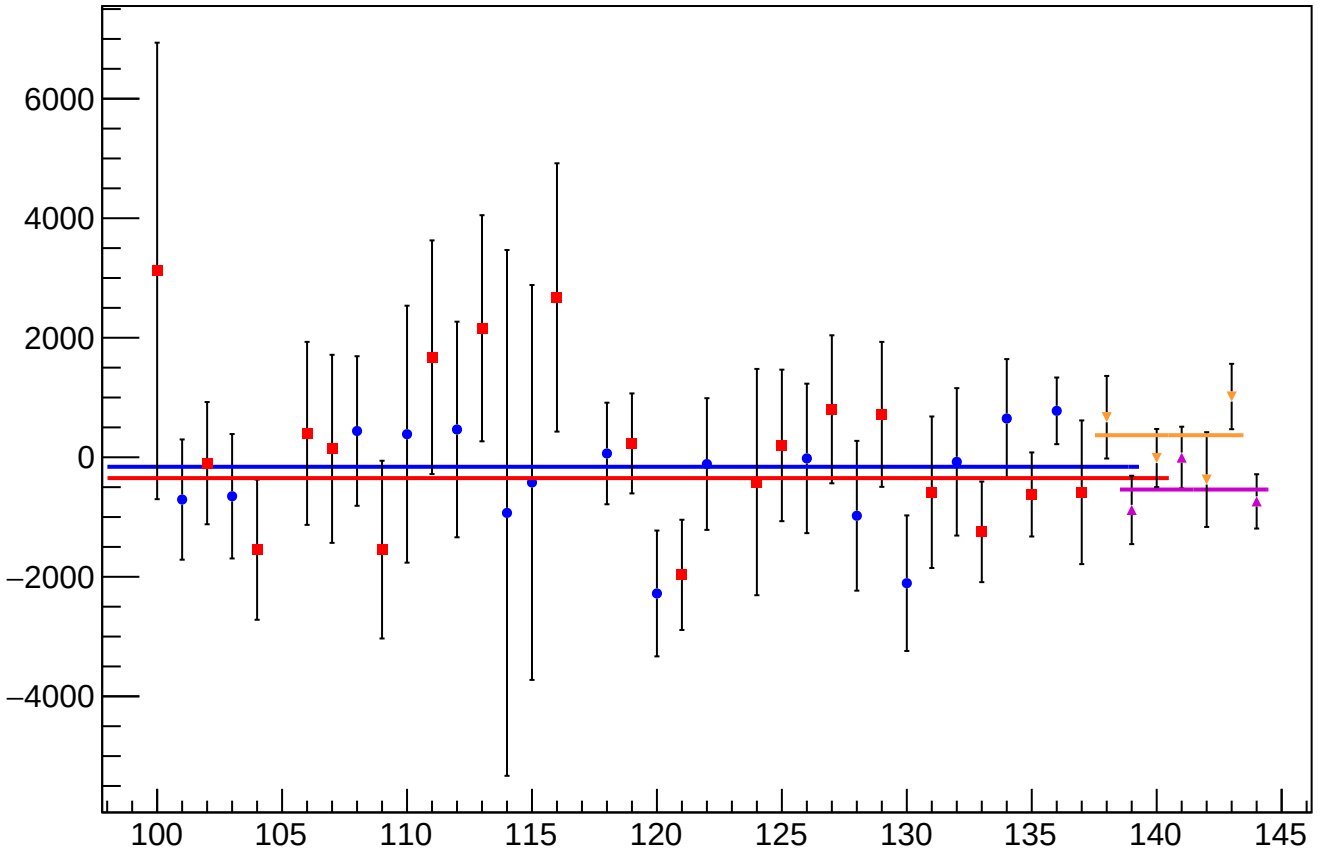
Left: 91.673+/-0.028 χ^2/NDF: 152392.4/6

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 103.351+/-0.024 χ^2/NDF:942699.5/18

Out: 110.975+/-0.025 χ^2/NDF:668721.5/22

All: 107.019+/-0.017 χ^2/NDF: 1660278.2/41



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 369.201+/-297.999 χ^2/NDF:3.1/3

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -539.669+/-293.006 χ^2/NDF:1.6/2

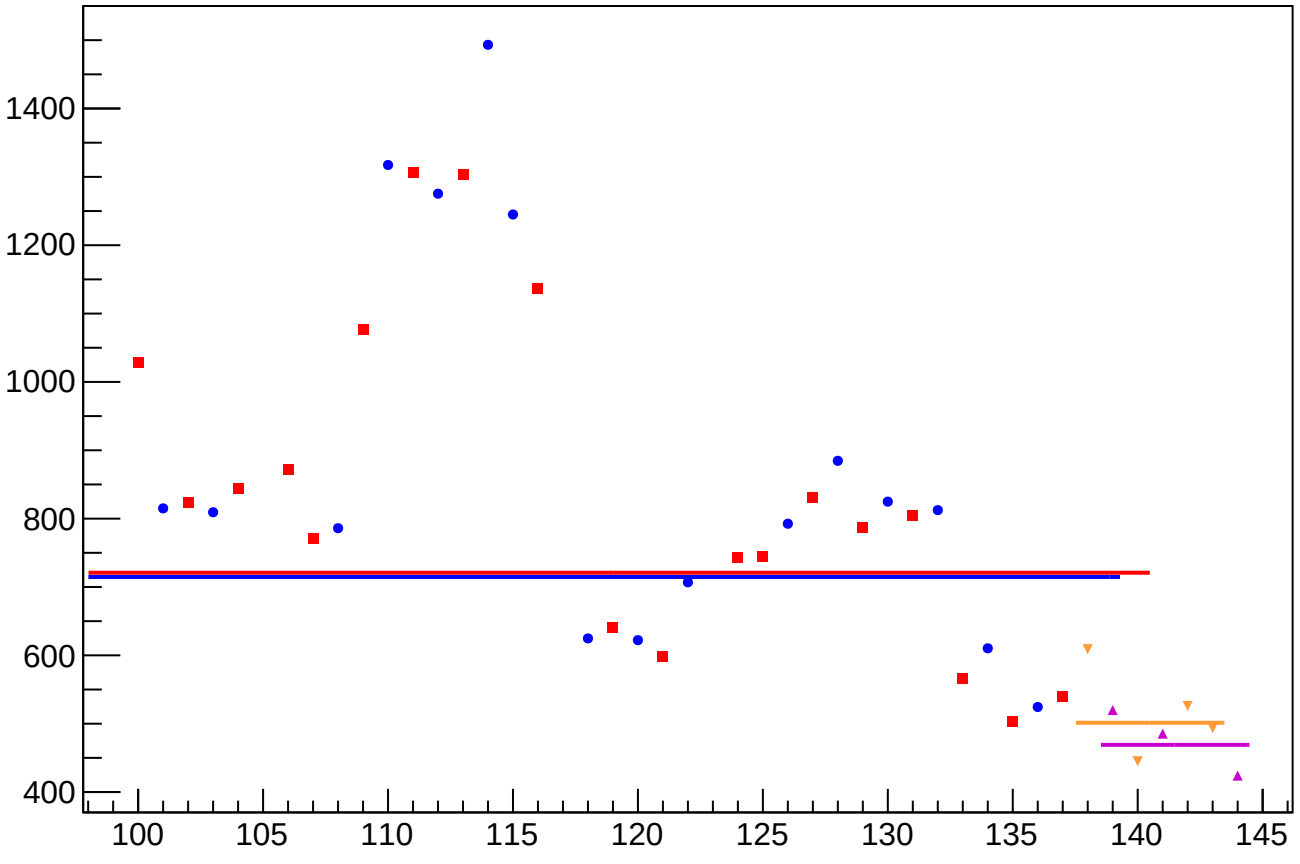
Left: -92.911+/-208.930 χ^2/NDF: 9.4/6

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -337.032+/-200.346 χ^2/NDF:14.5/18

Out: -20.250+/-201.537 χ^2/NDF:20.5/22

All: -179.580+/-142.085 χ^2/NDF: 36.3/41



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 501.353+/-0.211 χ^2/NDF:77636.3/3

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 469.008+/-0.207 χ^2/NDF:37501.2/2

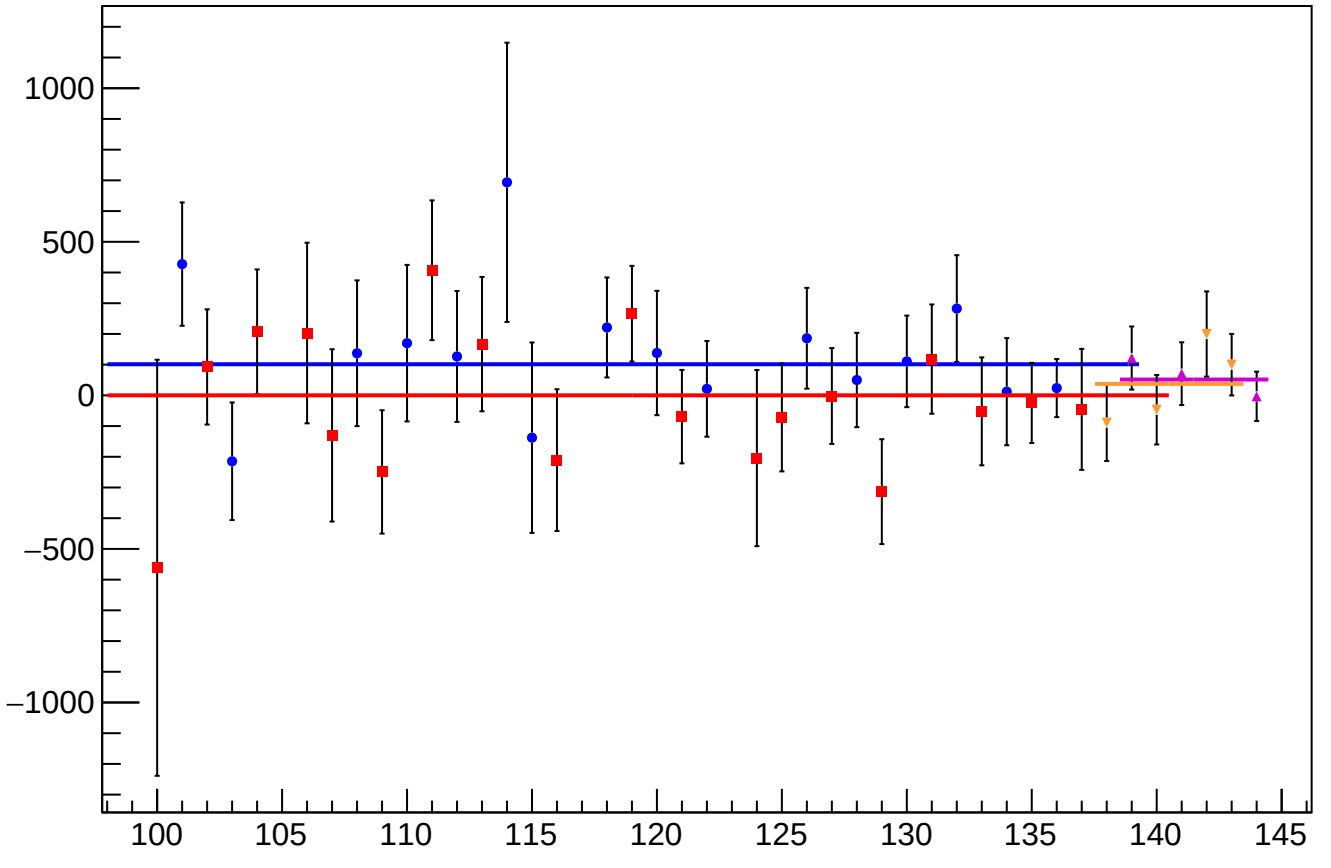
Left: 484.907+/-0.148 χ^2/NDF: 127117.7/6

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 599.814+/-0.142 χ^2/NDF:1662292.2/18

Out: 620.474+/-0.143 χ^2/NDF:1685034.5/22

All: 610.083+/-0.100 χ^2/NDF: 3357898.5/41



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 51.497+/-53.797 χ^2/NDF:1.0/2

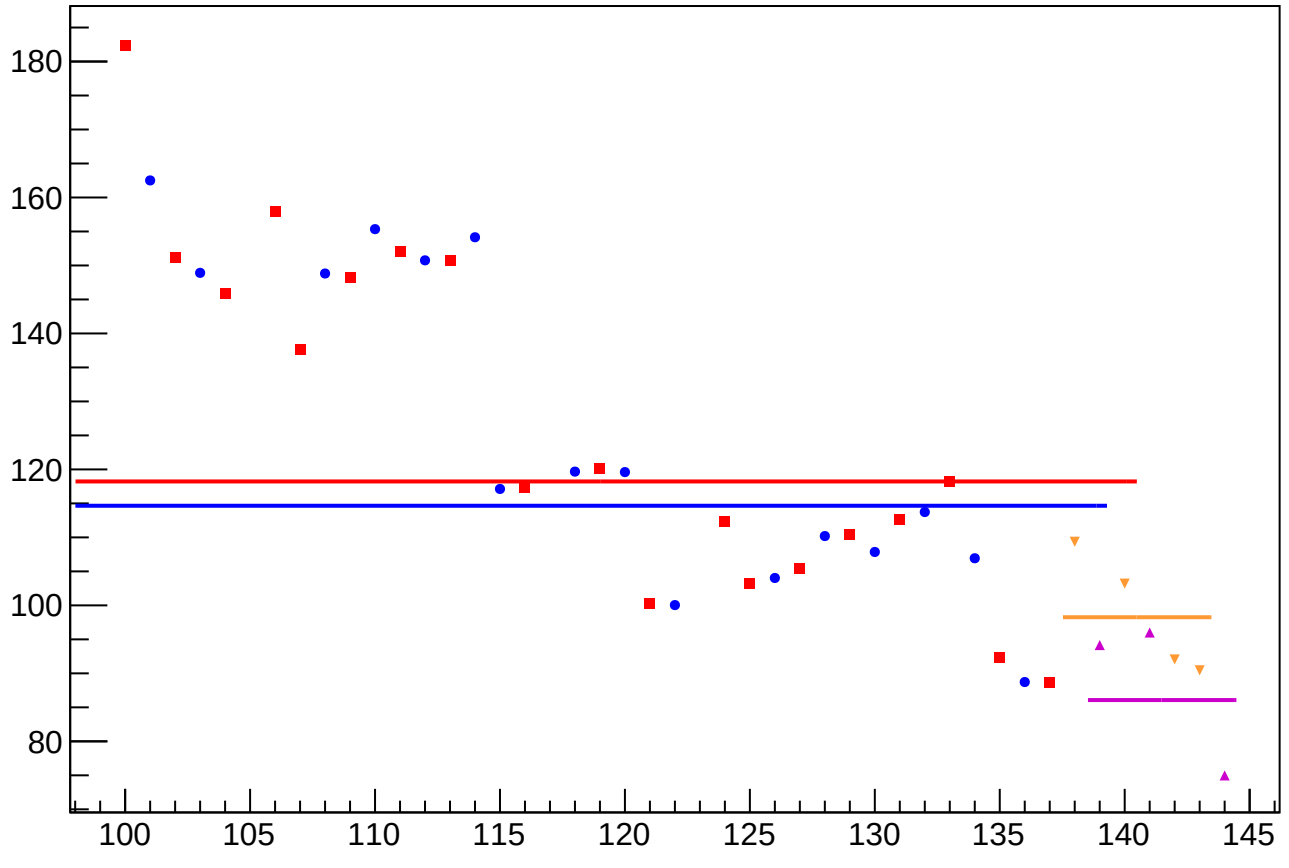
Left: 44.969+/-39.539 χ^2/NDF: 4.3/6

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 81.593+/-33.830 χ^2/NDF:12.5/18

Out: 13.627+/-35.140 χ^2/NDF:20.2/22

All: 48.900+/-24.371 χ^2/NDF: 34.6/41



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.255+/-0.041 χ^2/NDF:35828.4/3

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 86.072+/-0.038 χ^2/NDF:69399.9/2

Left: 91.674+/-0.028 χ^2/NDF: 152392.7/6

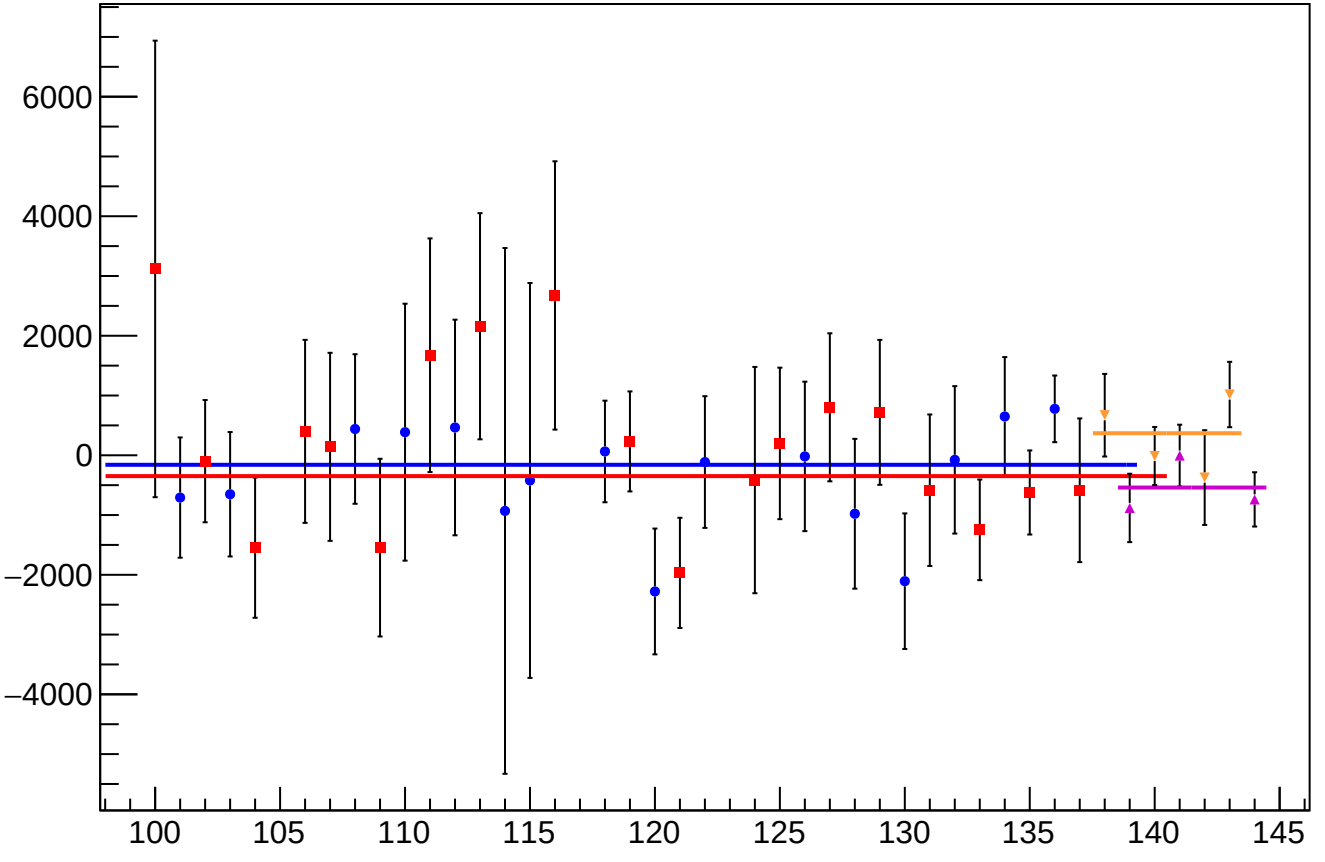
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 103.352+/-0.024 χ^2/NDF:942688.0/18

Out: 110.975+/-0.025 χ^2/NDF:668710.7/22

All: 107.019+/-0.017 χ^2/NDF: 1660255.3/41

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: 369.200+/-297.999 χ^2/NDF:3.1/3

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -539.669+/-293.007 χ^2/NDF:1.6/2

Left: -92.912+/-208.930 χ^2/NDF: 9.4/6

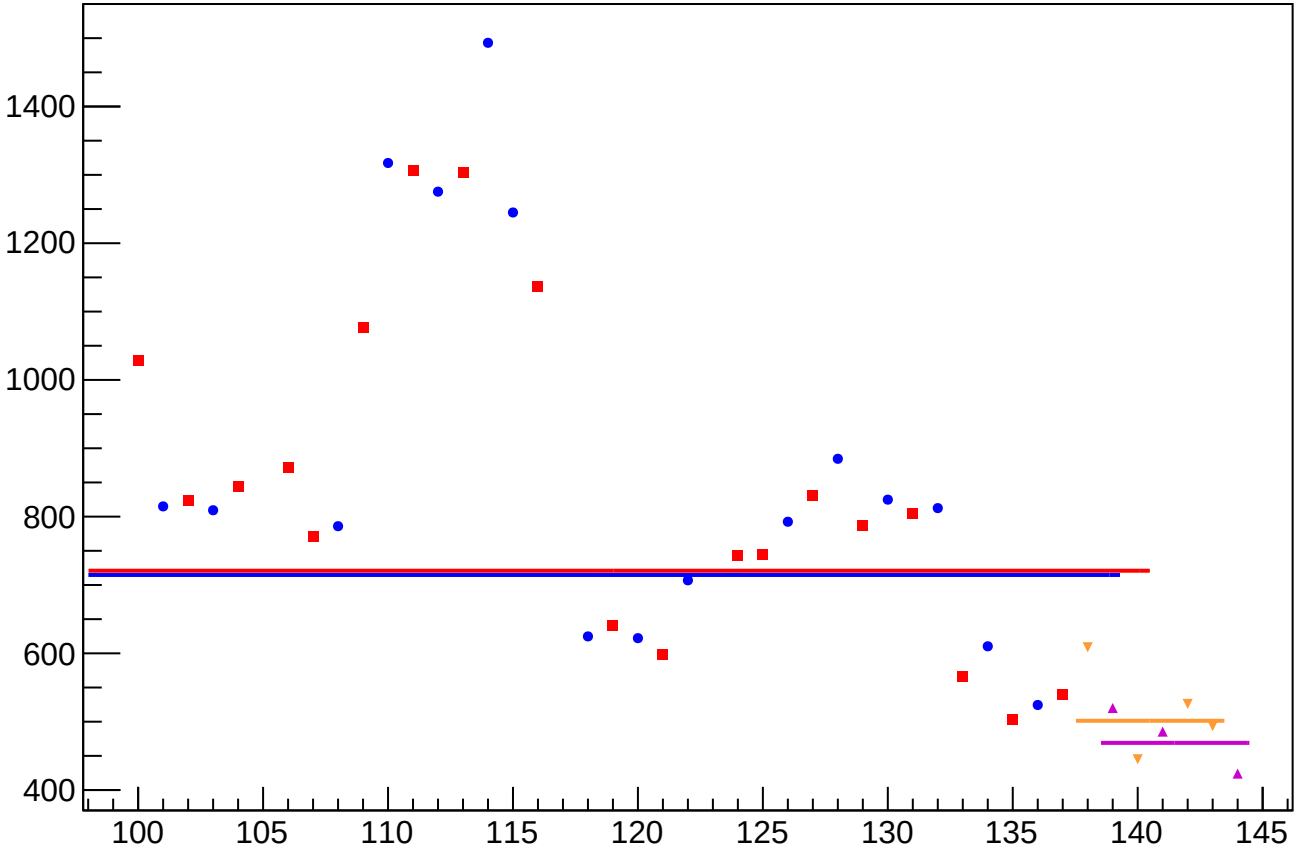
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -337.033+/-200.346 χ^2/NDF:14.5/18

Out: -20.252+/-201.537 χ^2/NDF:20.5/22

All: -179.581+/-142.085 χ^2/NDF: 36.3/41

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: 501.354+/-0.211 χ^2/NDF:77636.1/3

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 469.008+/-0.207 χ^2/NDF:37501.7/2

Left: 484.908+/-0.148 χ^2/NDF: 127118.2/6

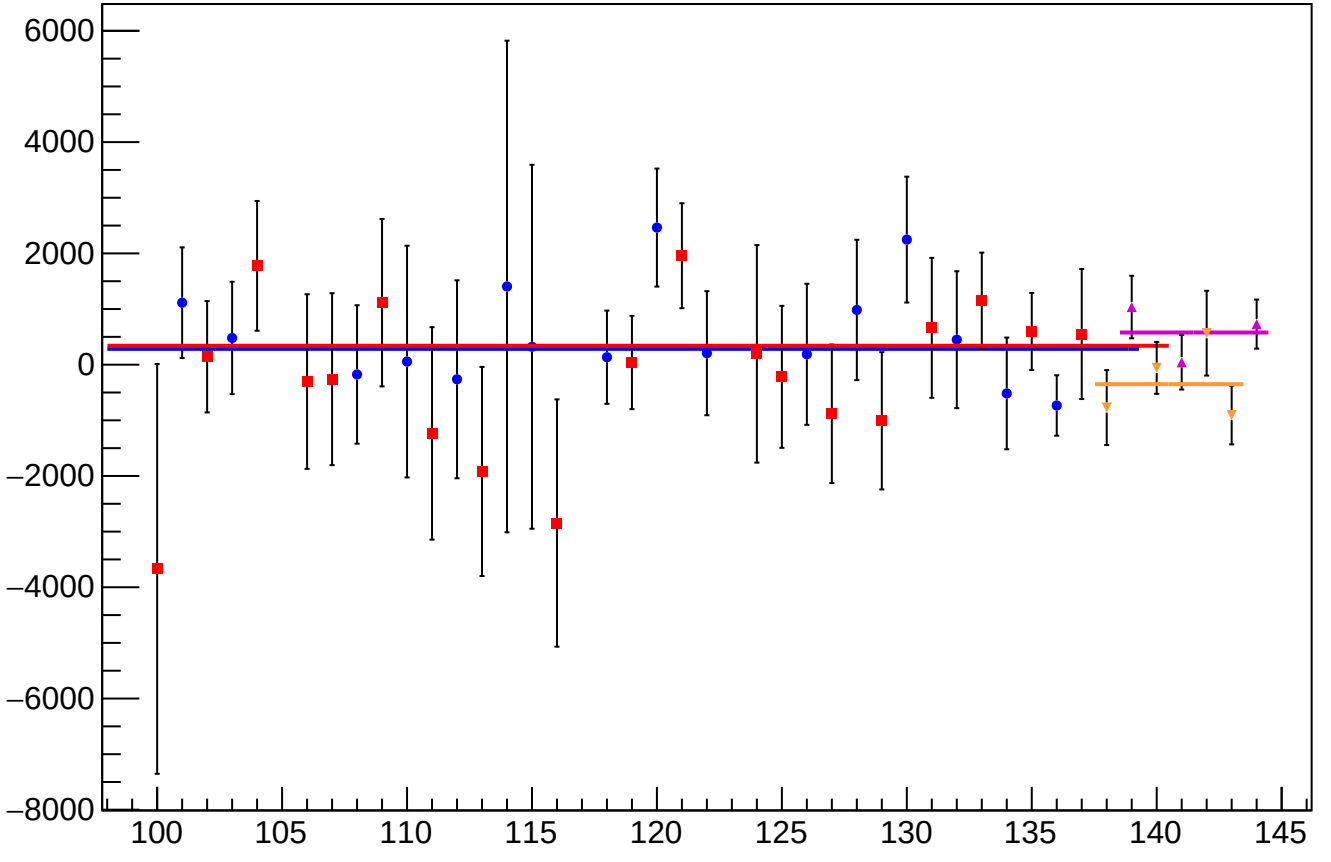
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 599.814+/-0.142 χ^2/NDF:1662285.0/18

Out: 620.475+/-0.143 χ^2/NDF:1685022.8/22

All: 610.083+/-0.100 χ^2/NDF: 3357879.6/41

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -350.341+/-287.094 χ^2/NDF:3.3/3

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 578.170+/-283.139 χ^2/NDF:2.0/2

Left: 120.354+/-201.593 χ^2/NDF: 10.6/6

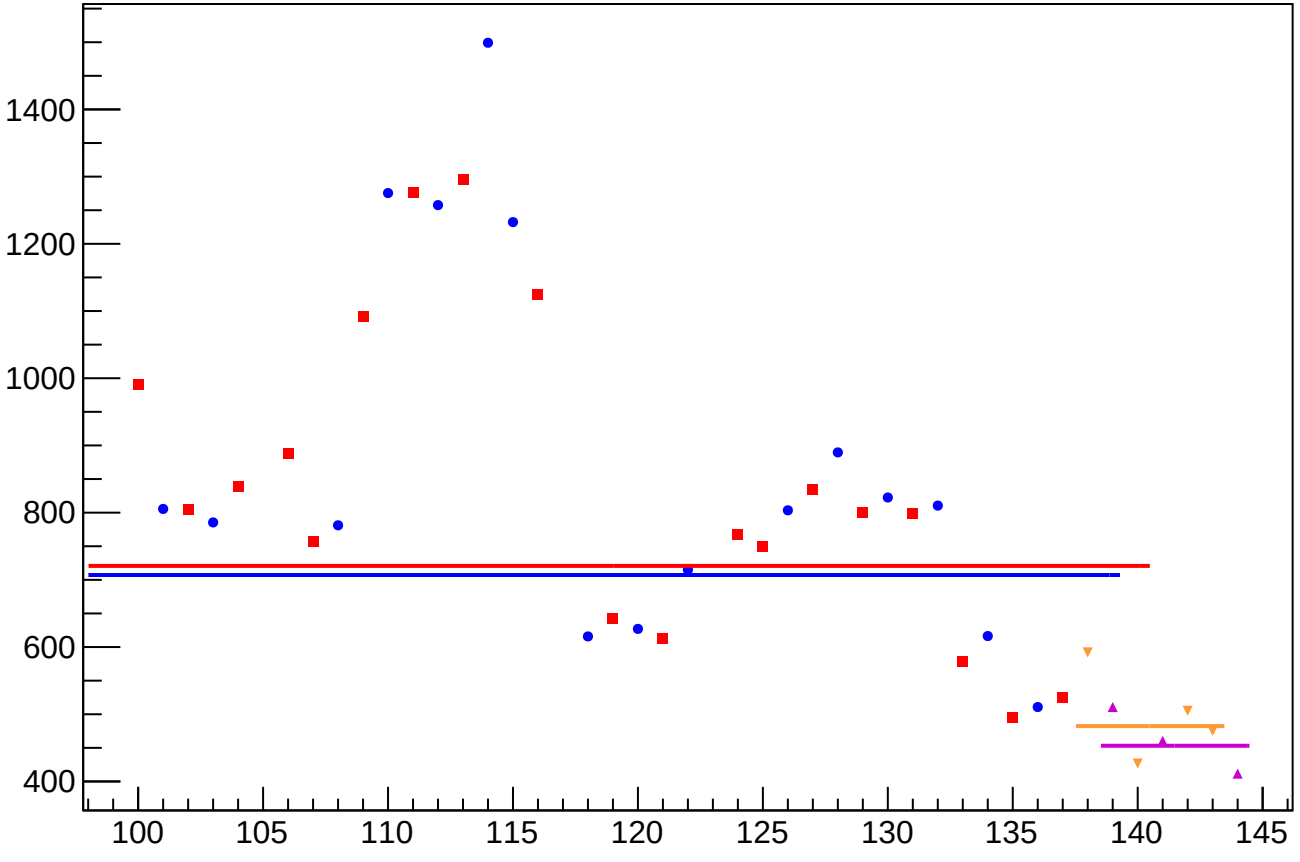
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 425.560+/-196.132 χ^2/NDF:15.3/18

Out: 11.442+/-198.064 χ^2/NDF:20.4/22

All: 220.531+/-139.364 χ^2/NDF: 38.0/41

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 482.343+/-0.203 χ^2/NDF:83767.5/3

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 453.128+/-0.200 χ^2/NDF:39123.4/2

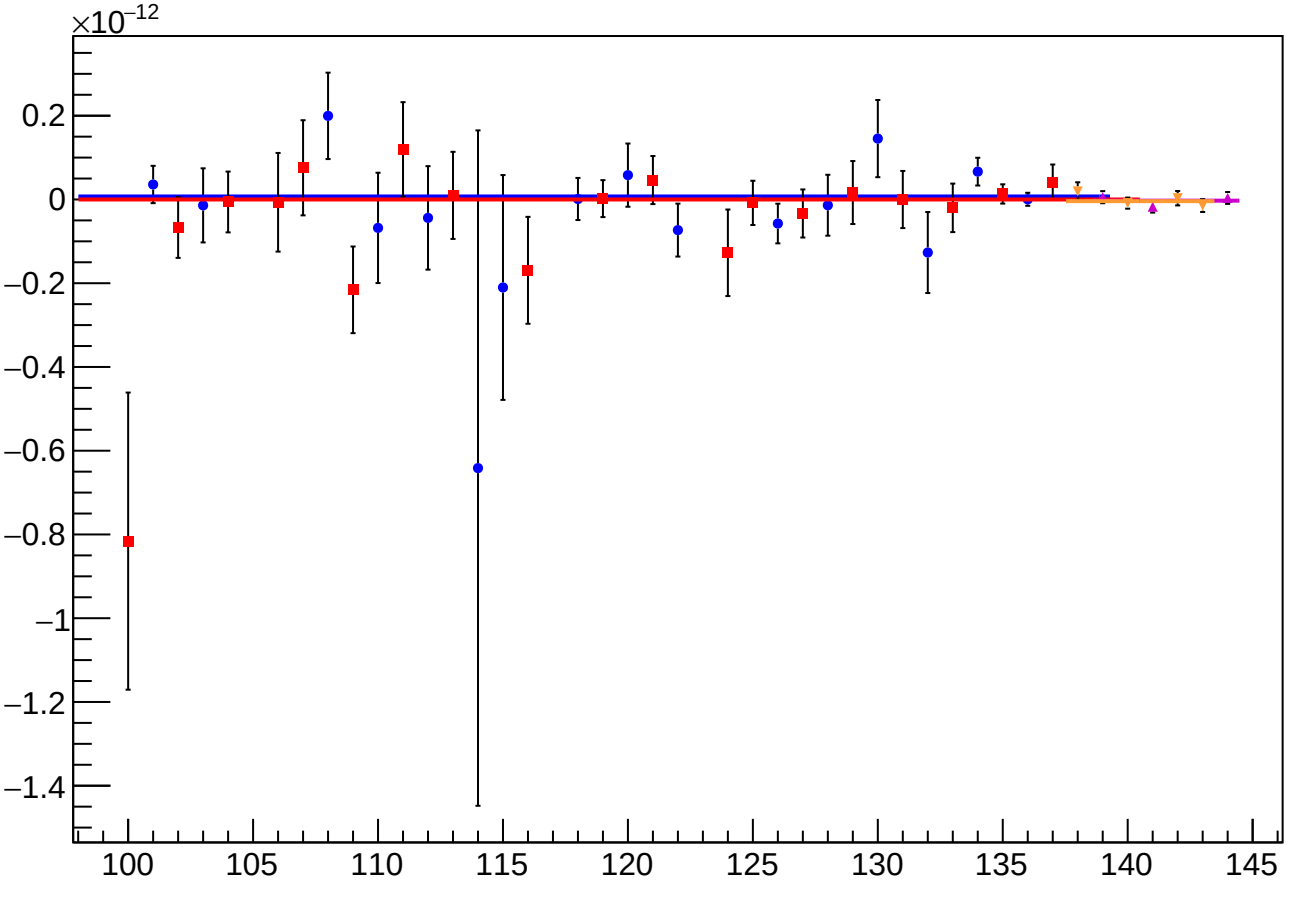
Left: 467.533+/-0.143 χ^2/NDF: 133389.8/6

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 585.291+/-0.139 χ^2/NDF:1773560.2/18

Out: 607.295+/-0.140 χ^2/NDF:1821970.3/22

All: 596.185+/-0.099 χ^2/NDF: 3607993.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/2

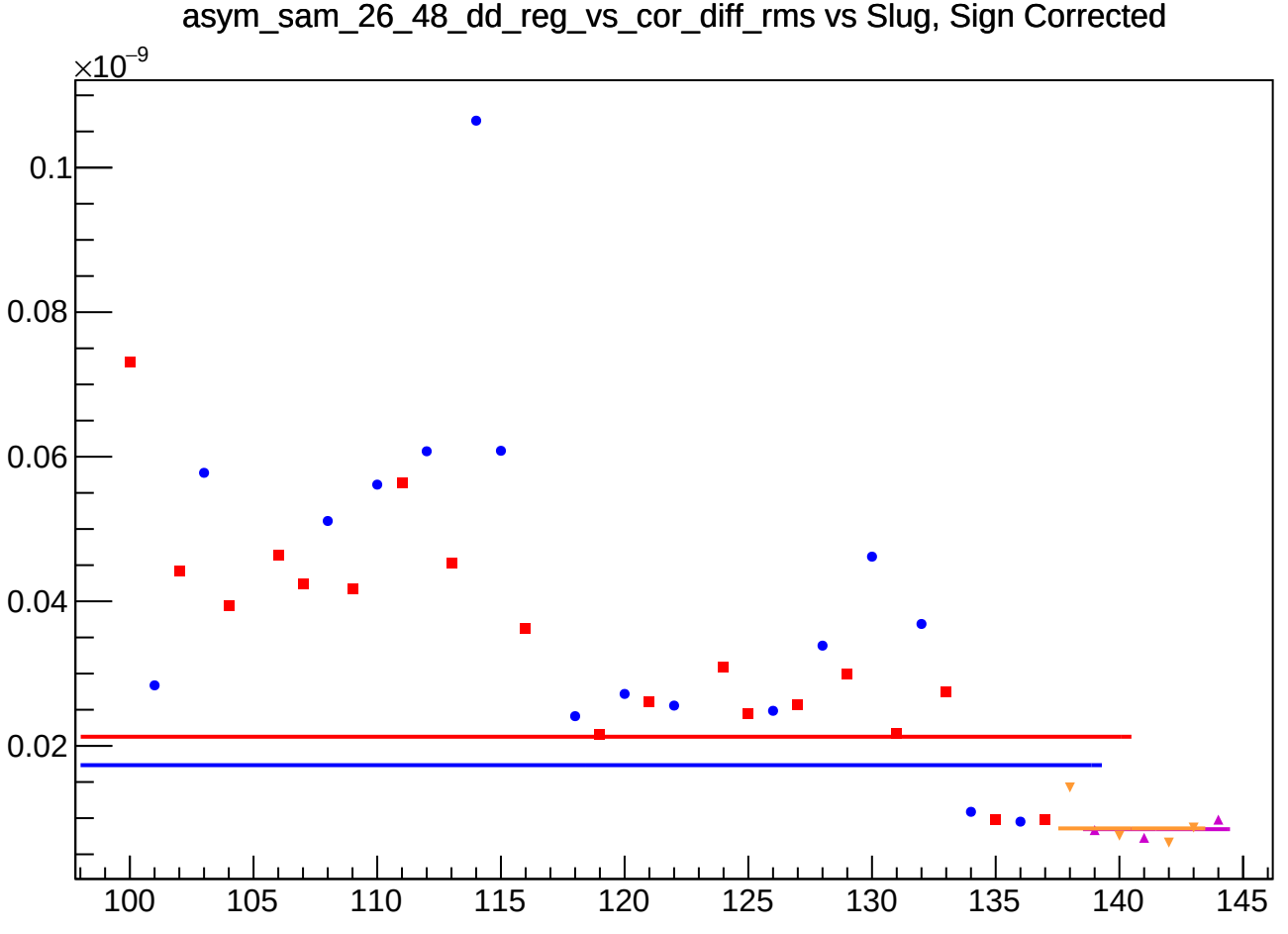
Left: -0.000+/-0.000 χ^2/NDF: 3.5/6

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:19.4/18

Out: -0.000+/-0.000 χ^2/NDF:19.8/22

All: -0.000+/-0.000 χ^2/NDF: 39.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:171884.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:31916.3/2

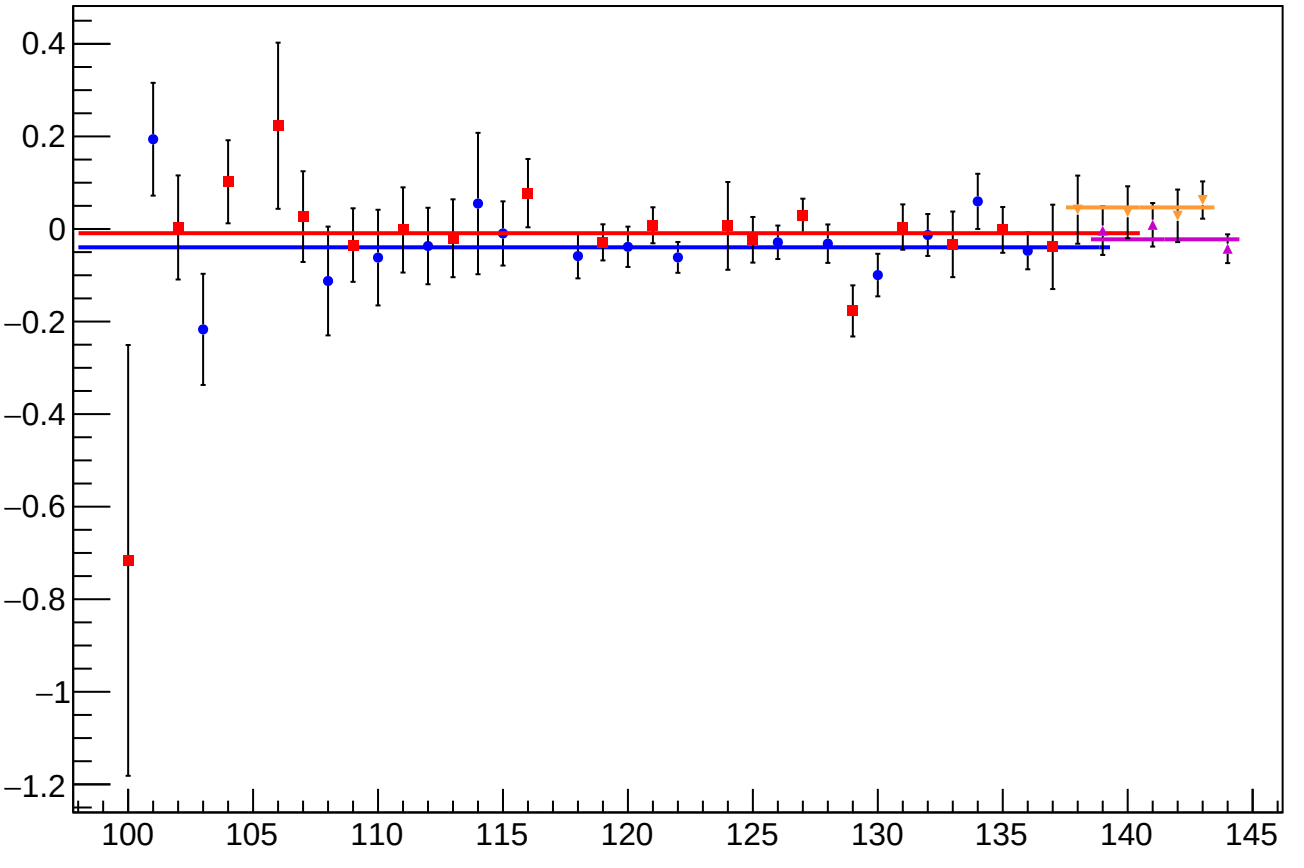
Left: 0.000+/-0.000 χ^2/NDF: 203975.4/6

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3188259.4/18

Out: 0.000+/-0.000 χ^2/NDF:3159555.2/22

All: 0.000+/-0.000 χ^2/NDF: 6352722.8/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.023 χ^2/NDF:1.0/2

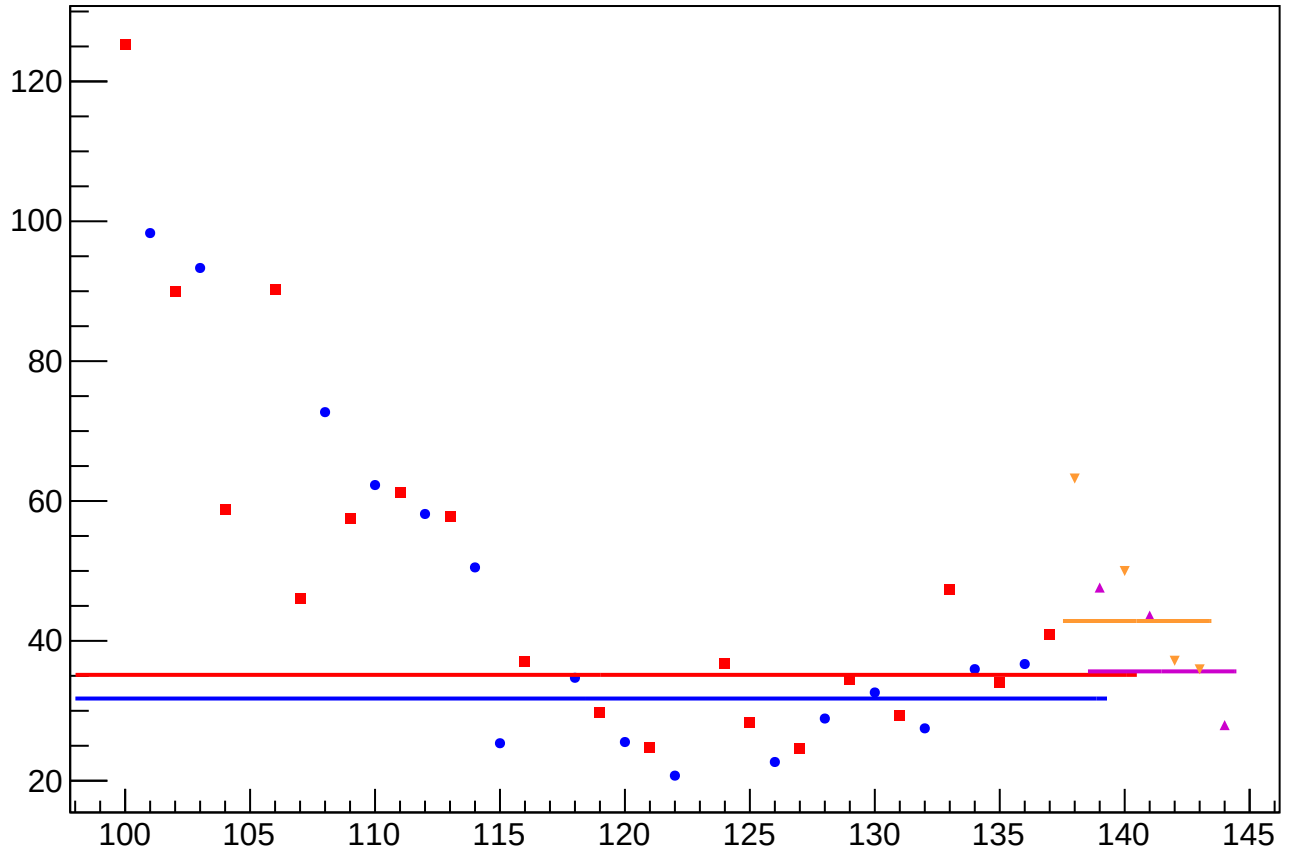
Left: 0.008+/-0.017 χ^2/NDF: 5.1/6

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.035+/-0.011 χ^2/NDF:13.8/18

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.018+/-0.008 χ^2/NDF: 41.1/41



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284135.4/2

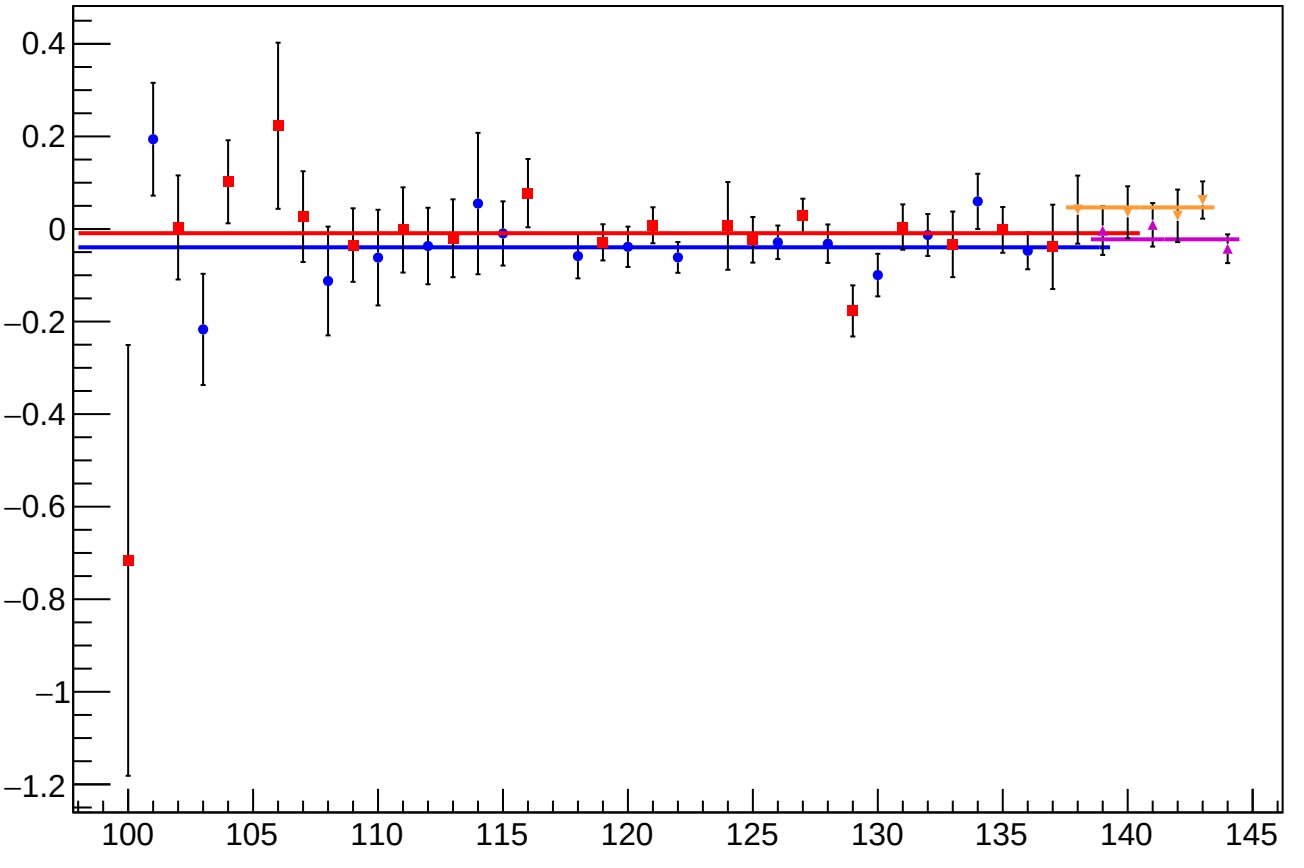
Left: 38.778+/-0.012 χ^2/NDF: 632826.1/6

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.698+/-0.008 χ^2/NDF:2578769.4/18

Out: 36.858+/-0.009 χ^2/NDF:2241463.4/22

All: 34.599+/-0.006 χ^2/NDF: 4940784.3/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.023 χ^2/NDF:1.0/2

Left: 0.008+/-0.017 χ^2/NDF: 5.1/6

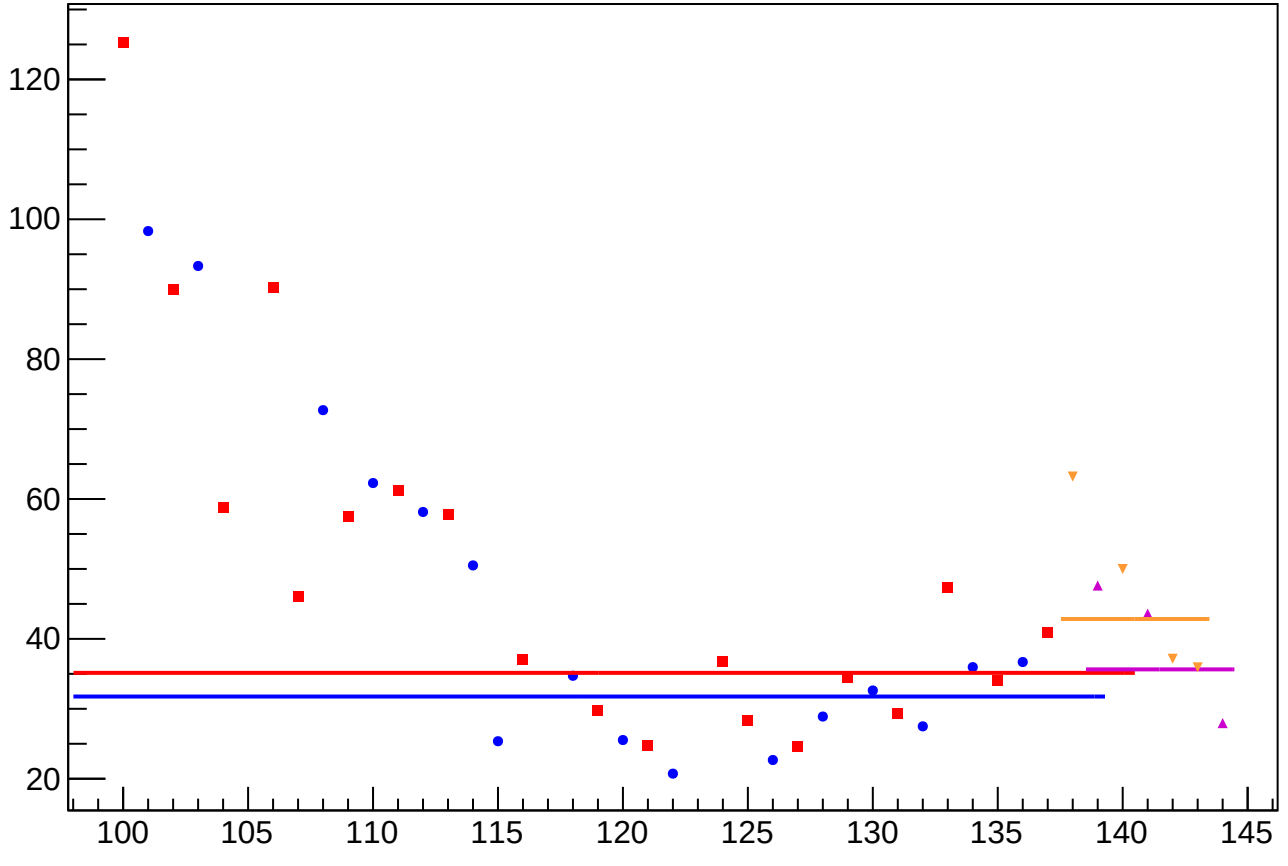
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.035+/-0.011 χ^2/NDF:13.8/18

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.018+/-0.008 χ^2/NDF: 41.1/41

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284135.4/2

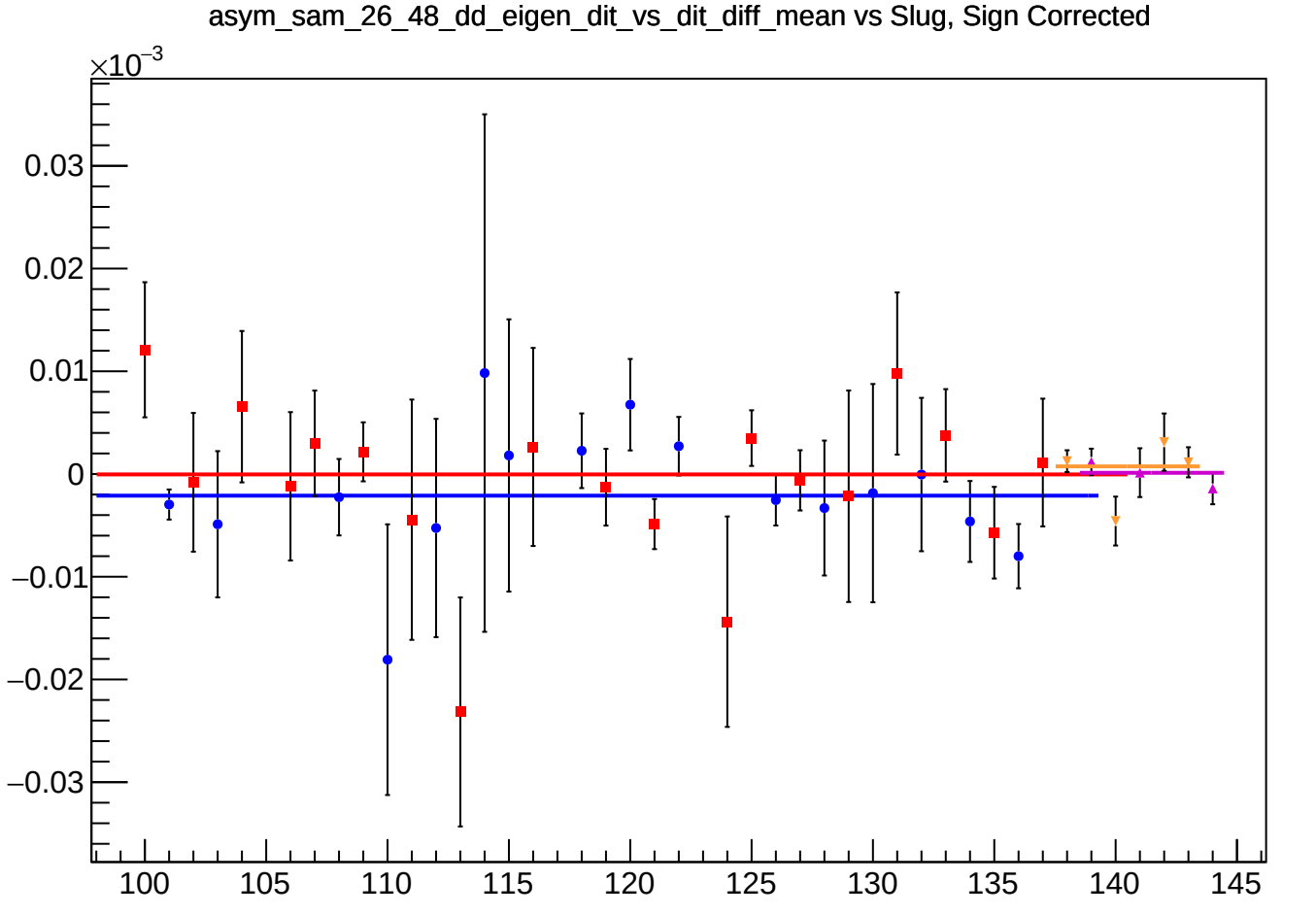
Left: 38.778+/-0.012 χ^2/NDF: 632826.1/6

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.698+/-0.008 χ^2/NDF:2578769.4/18

Out: 36.858+/-0.009 χ^2/NDF:2241463.4/22

All: 34.599+/-0.006 χ^2/NDF: 4940784.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/2

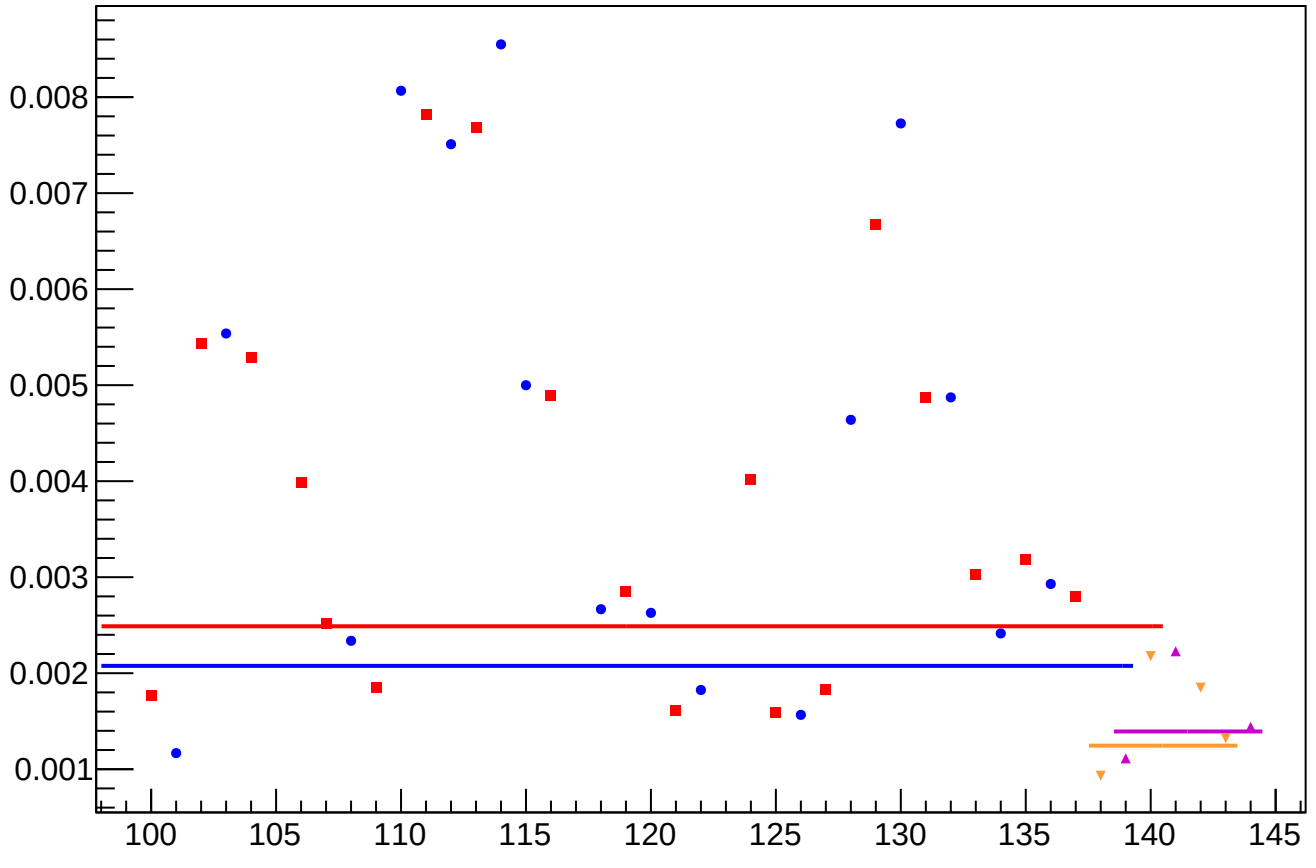
Left: 0.000+/-0.000 χ^2/NDF: 8.0/6

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:19.4/18

Out: 0.000+/-0.000 χ^2/NDF:27.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.8/41



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:580124.4/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:343873.6/2

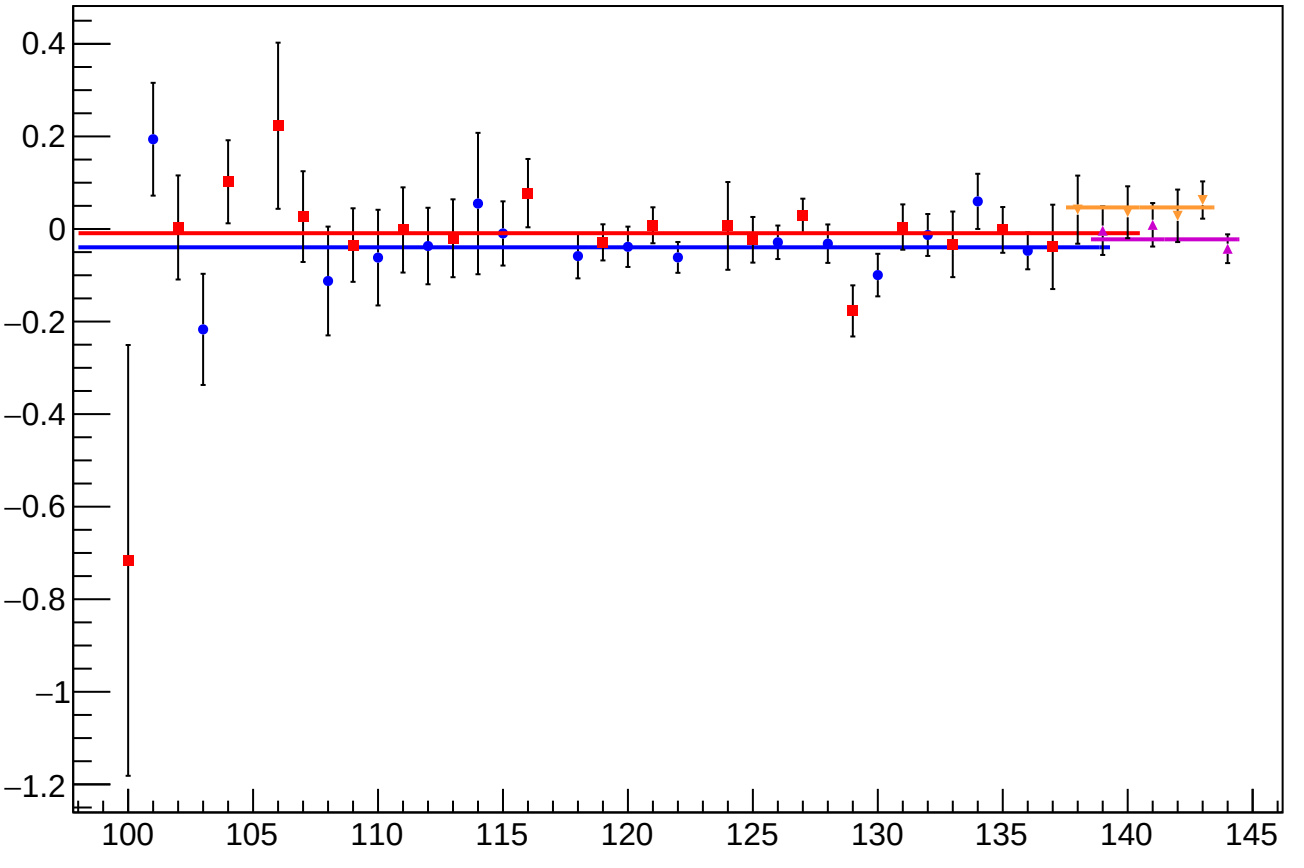
Left: 0.001+/-0.000 χ^2/NDF: 954389.7/6

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:4823218.8/18

Out: 0.002+/-0.000 χ^2/NDF:5503107.5/22

All: 0.002+/-0.000 χ^2/NDF: 10331720.3/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.023 χ^2/NDF:1.0/2

Left: 0.008+/-0.017 χ^2/NDF: 5.1/6

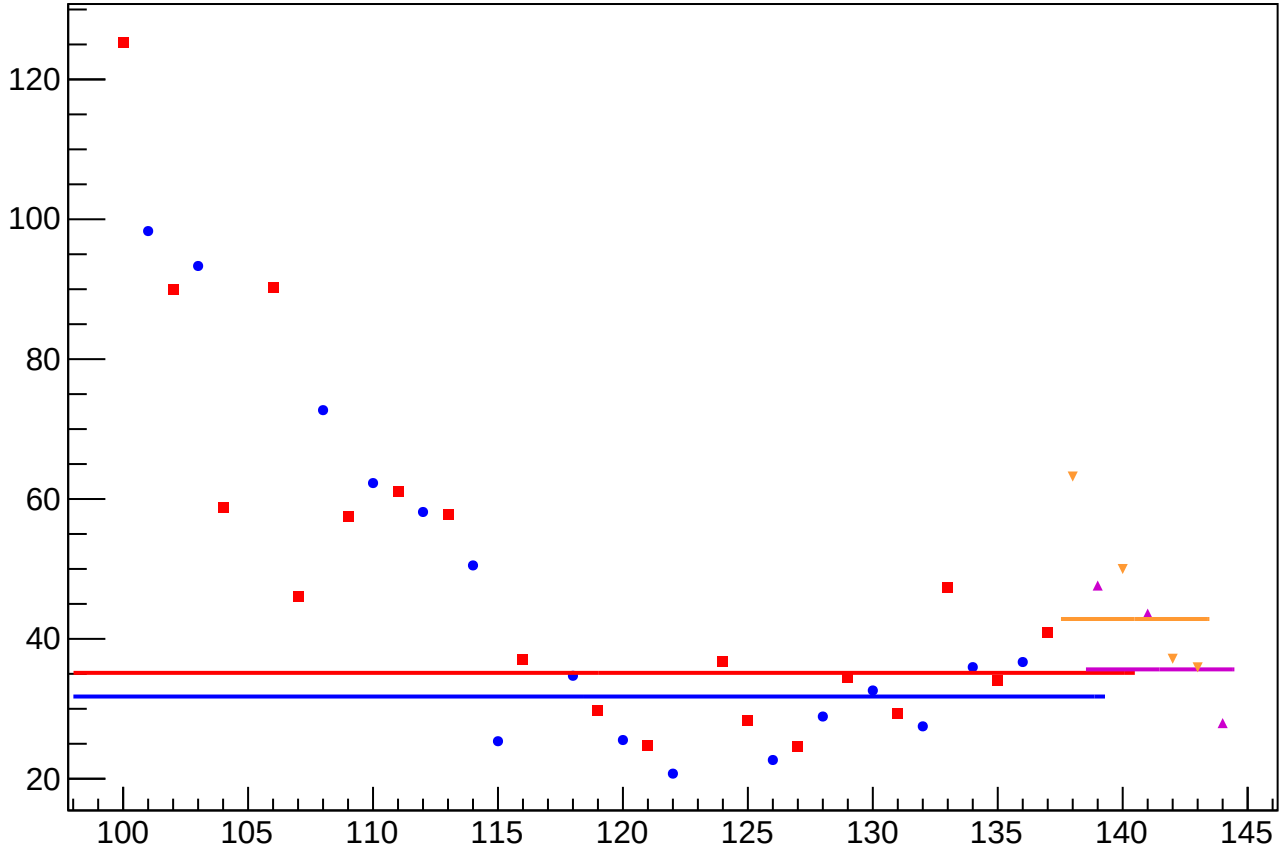
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.035+/-0.011 χ^2/NDF:13.8/18

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.018+/-0.008 χ^2/NDF: 41.1/41

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 42.843+/-0.019 χ^2/NDF:264874.4/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284145.4/2

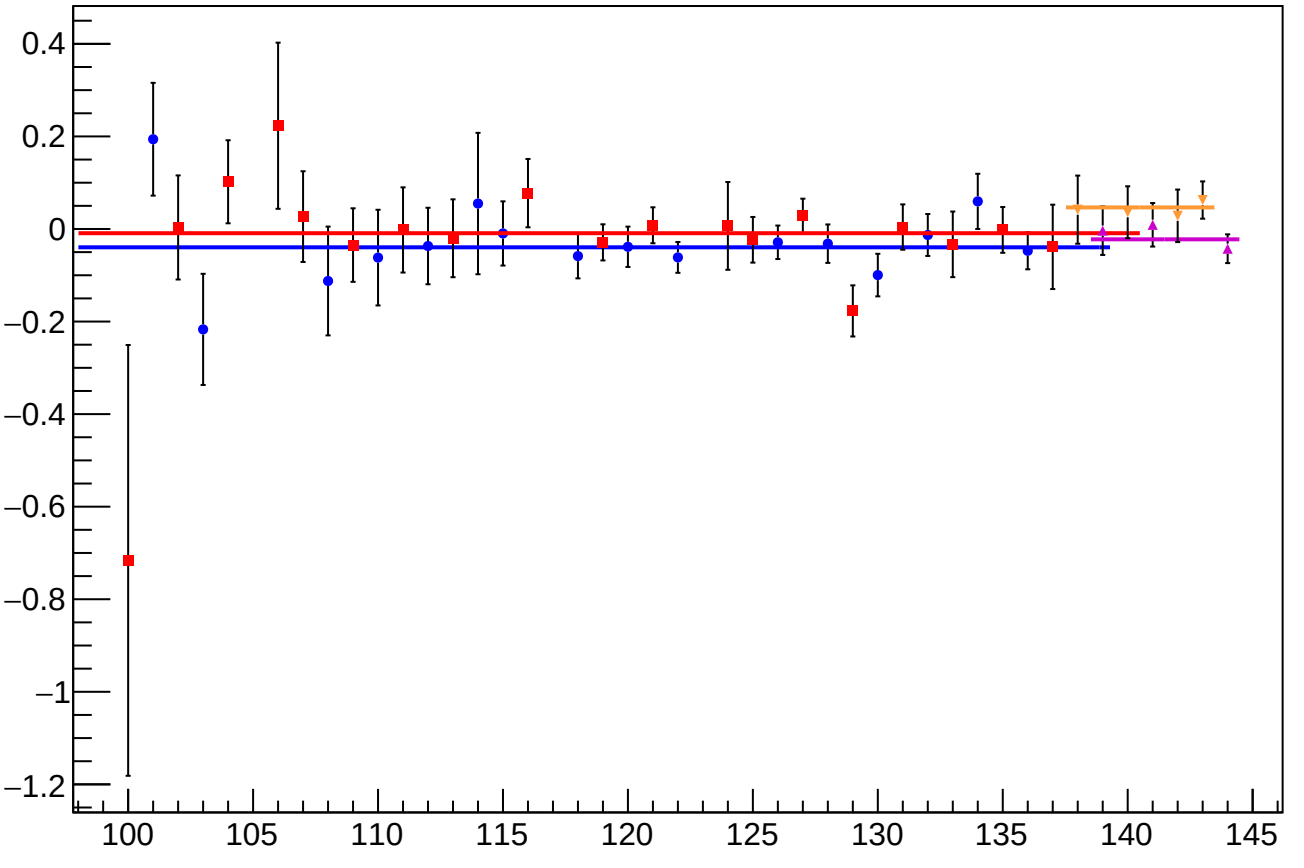
Left: 38.778+/-0.012 χ^2/NDF: 632832.5/6

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.698+/-0.008 χ^2/NDF:2578745.9/18

Out: 36.858+/-0.009 χ^2/NDF:2241344.7/22

All: 34.599+/-0.006 χ^2/NDF: 4940651.0/41



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.023 χ^2/NDF:1.0/2

Left: 0.008+/-0.017 χ^2/NDF: 5.1/6

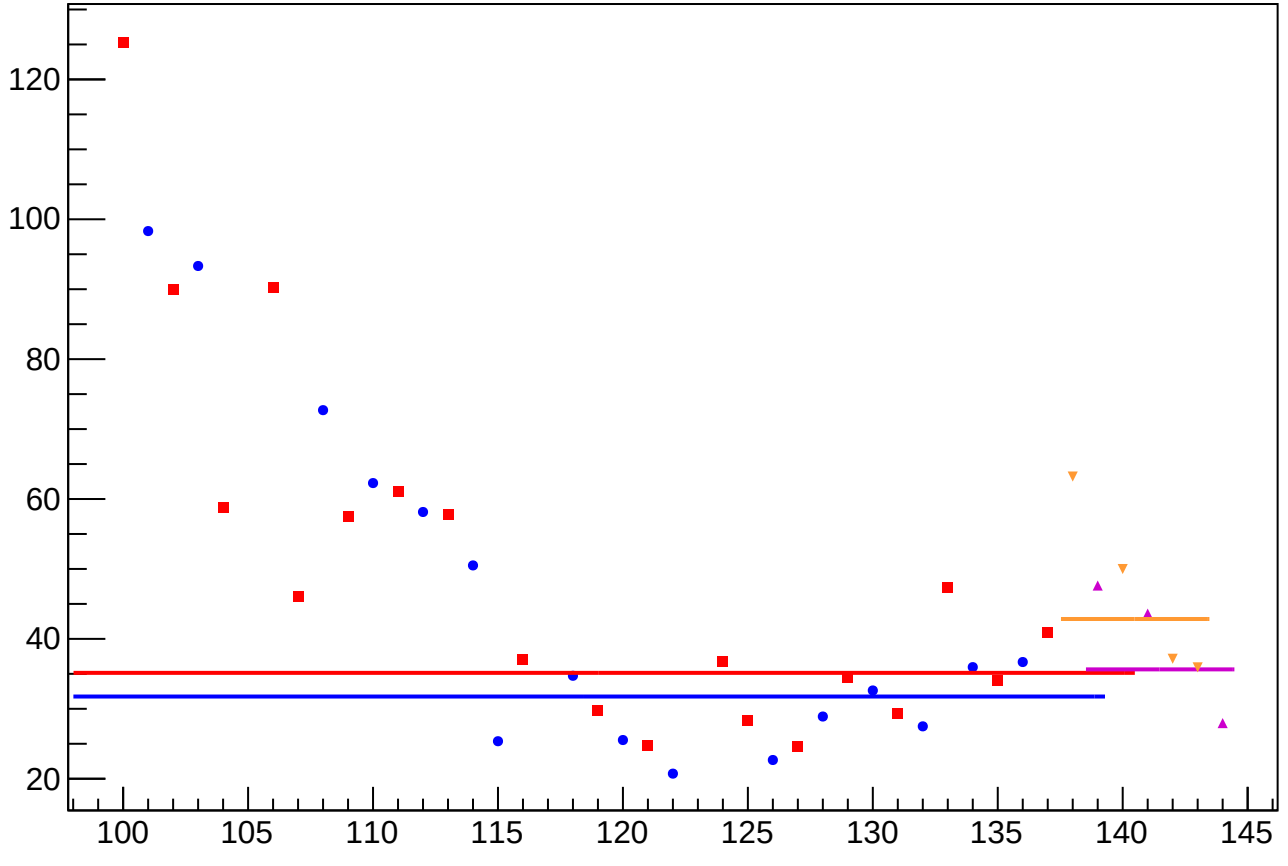
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.035+/-0.011 χ^2/NDF:13.8/18

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.018+/-0.008 χ^2/NDF: 41.1/41

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: 42.843+/-0.019 χ^2/NDF:264874.4/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.637+/-0.016 χ^2/NDF:284145.4/2

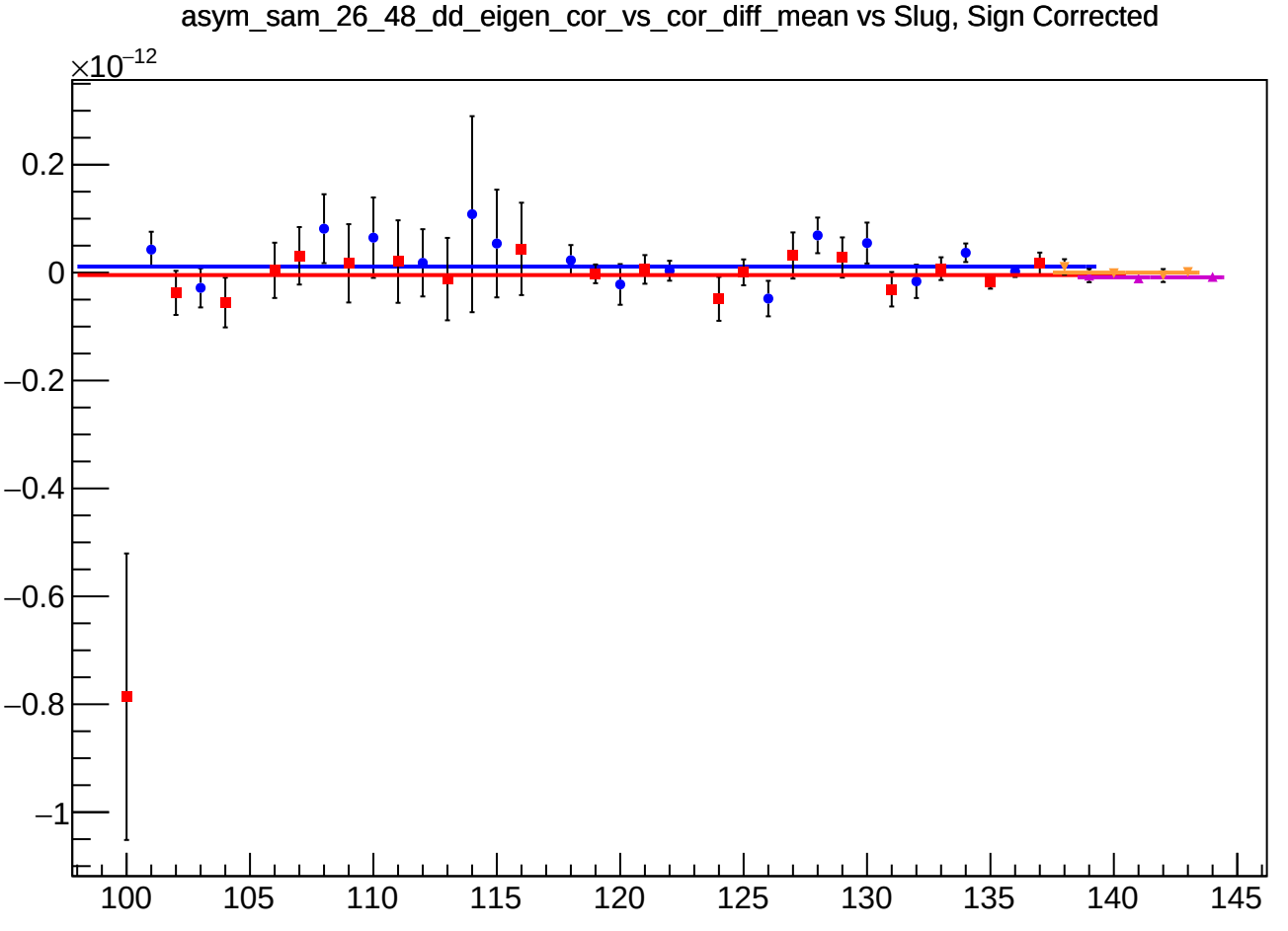
Left: 38.778+/-0.012 χ^2/NDF: 632832.5/6

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.698+/-0.008 χ^2/NDF:2578745.9/18

Out: 36.858+/-0.009 χ^2/NDF:2241344.7/22

All: 34.599+/-0.006 χ^2/NDF: 4940651.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/2

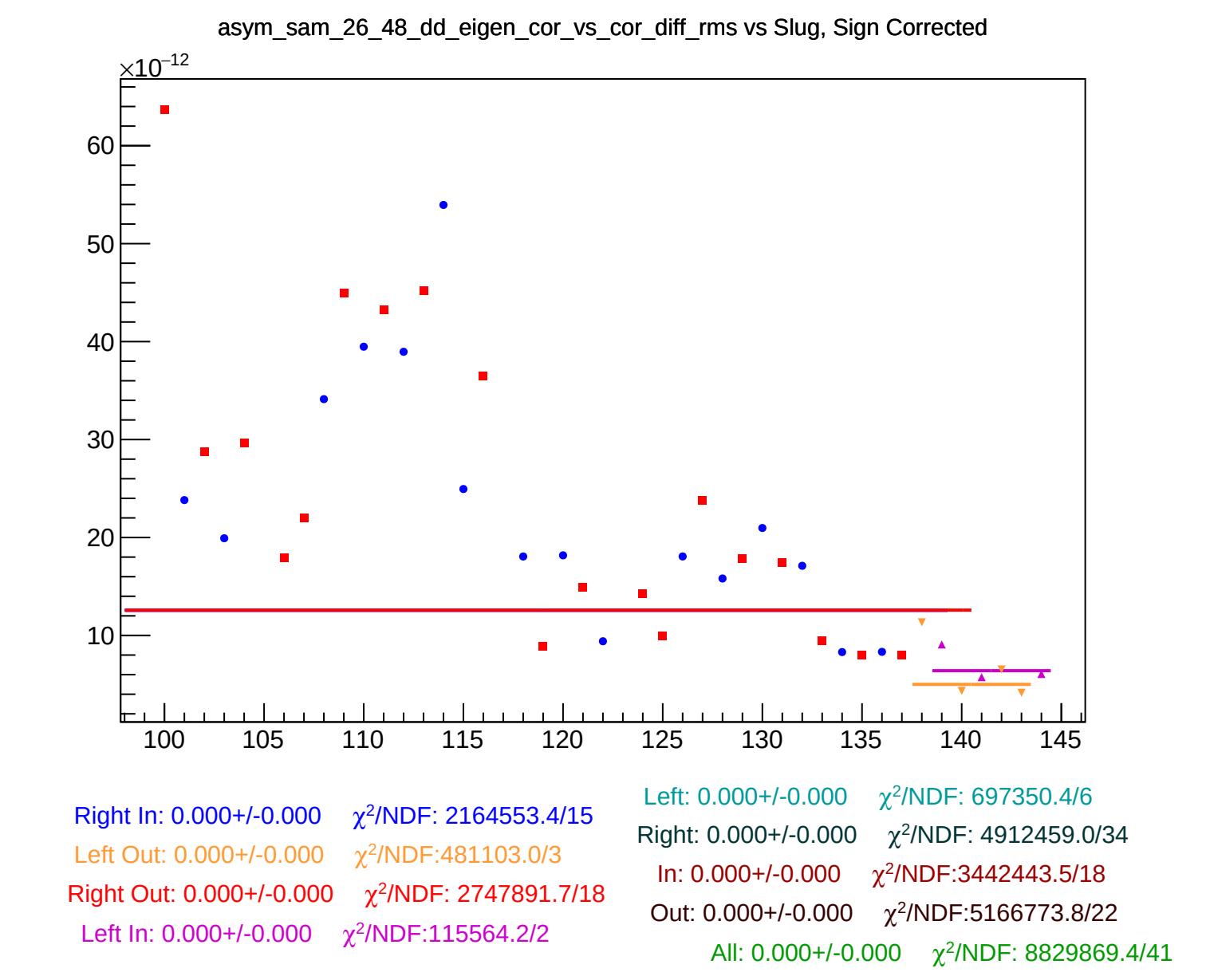
Left: -0.000+/-0.000 χ^2/NDF: 2.9/6

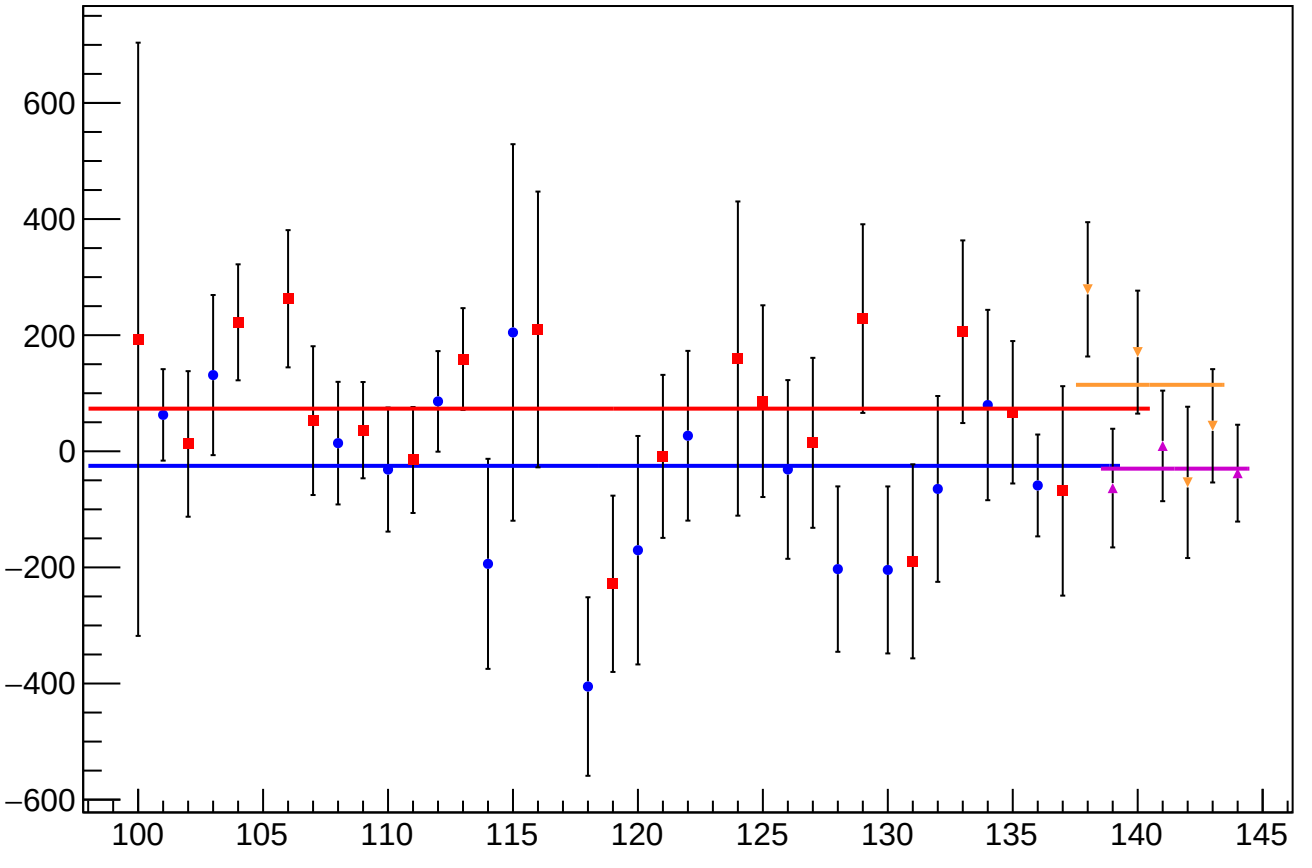
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:23.1/18

Out: -0.000+/-0.000 χ^2/NDF:18.6/22

All: -0.000+/-0.000 χ^2/NDF: 41.7/41


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:481103.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:115564.2/2
Left: 0.000+/-0.000 χ²/NDF: 697350.4/6
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:3442443.5/18
Out: 0.000+/-0.000 χ²/NDF:5166773.8/22
All: 0.000+/-0.000 χ²/NDF: 8829869.4/41



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.494+/-55.239 χ^2/NDF:4.5/3

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -29.912+/-53.465 χ^2/NDF:0.3/2

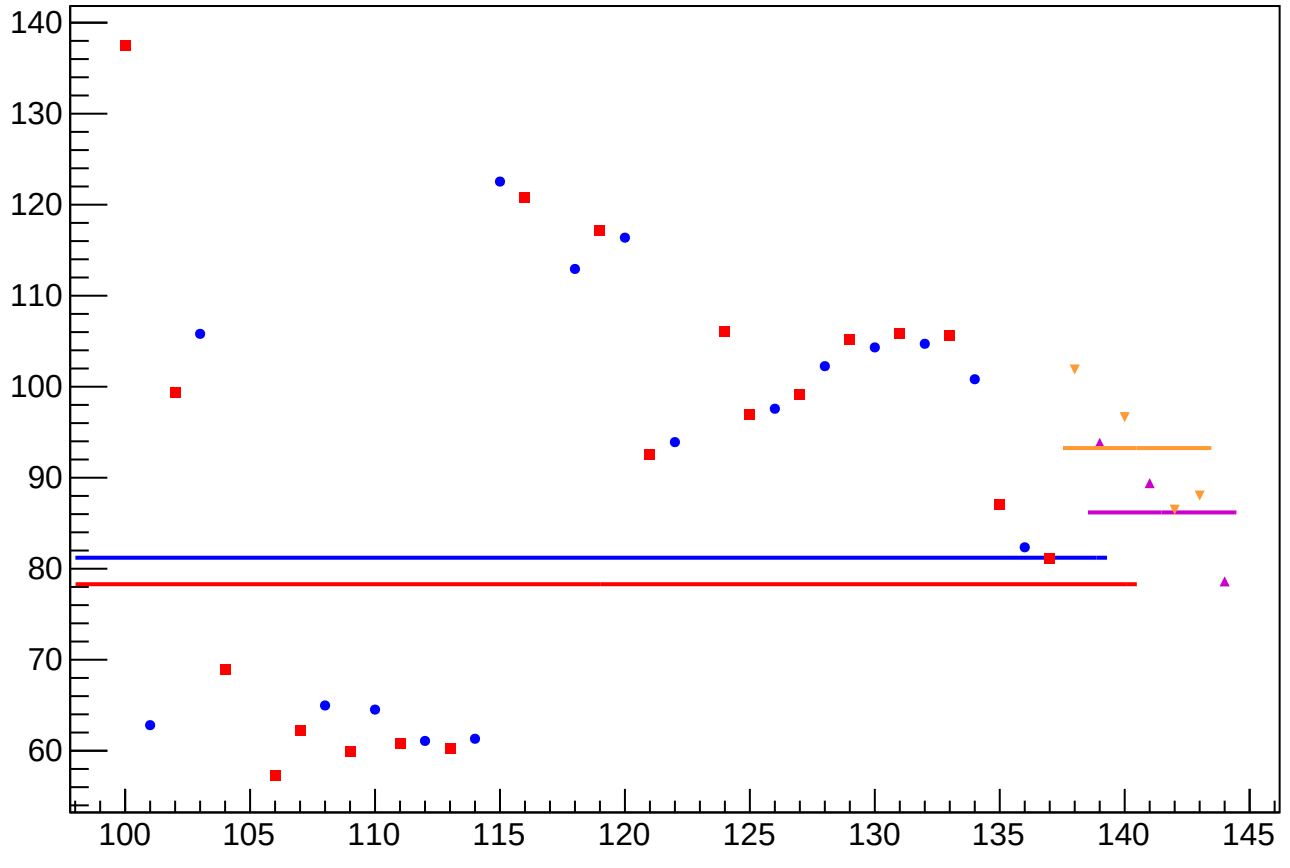
Left: 39.935+/-38.418 χ^2/NDF: 8.3/6

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -26.303+/-26.966 χ^2/NDF:16.5/18

Out: 82.773+/-26.319 χ^2/NDF:21.7/22

All: 29.561+/-18.835 χ^2/NDF: 46.6/41



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

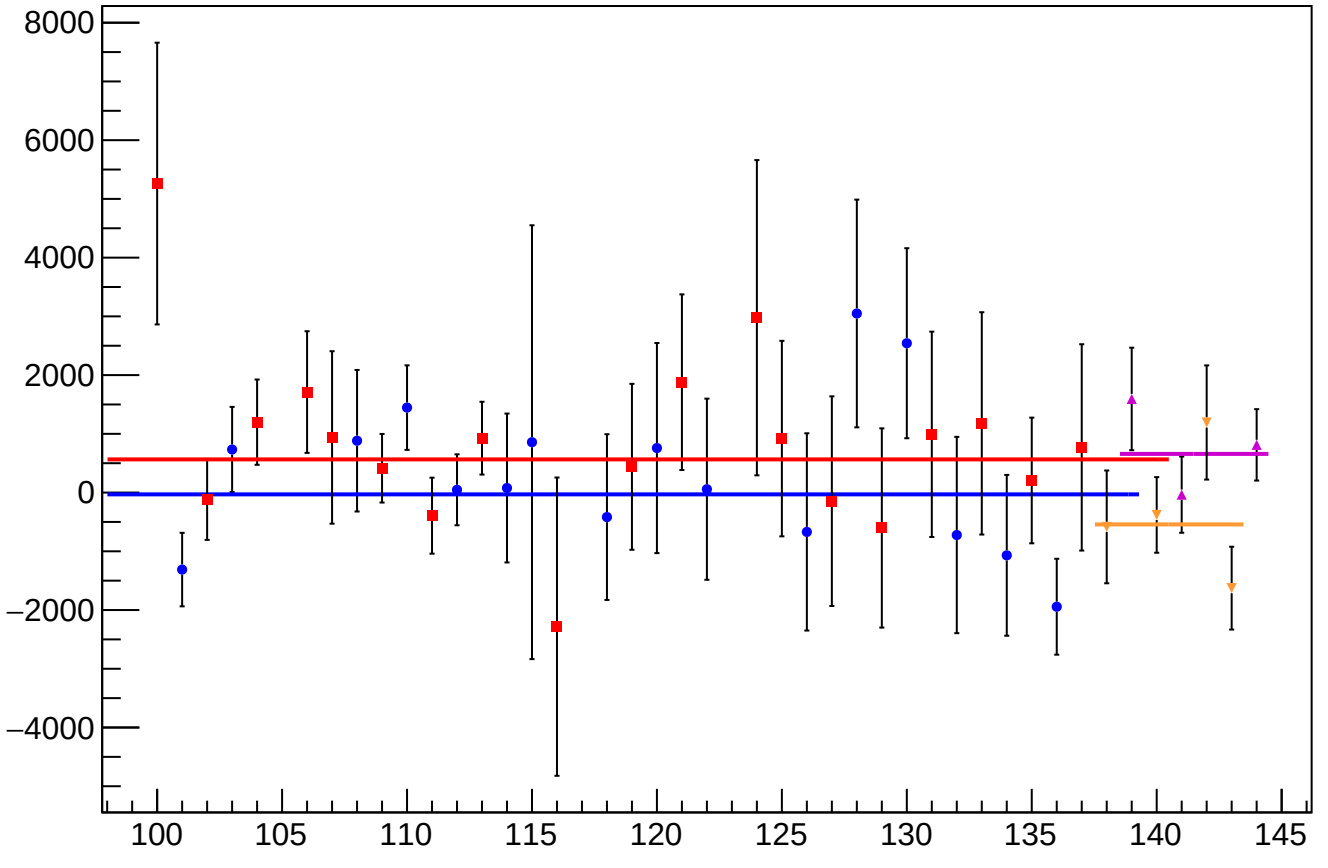
Left: 89.607+/-0.027 χ^2/NDF: 71245.0/6

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 82.475+/-0.019 χ^2/NDF:830594.7/18

Out: 81.694+/-0.019 χ^2/NDF:1072395.1/22

All: 82.075+/-0.013 χ^2/NDF: 1903849.7/41



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -542.495+/-390.229 χ^2/NDF:5.6/3

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 658.252+/-395.504 χ^2/NDF:2.4/2

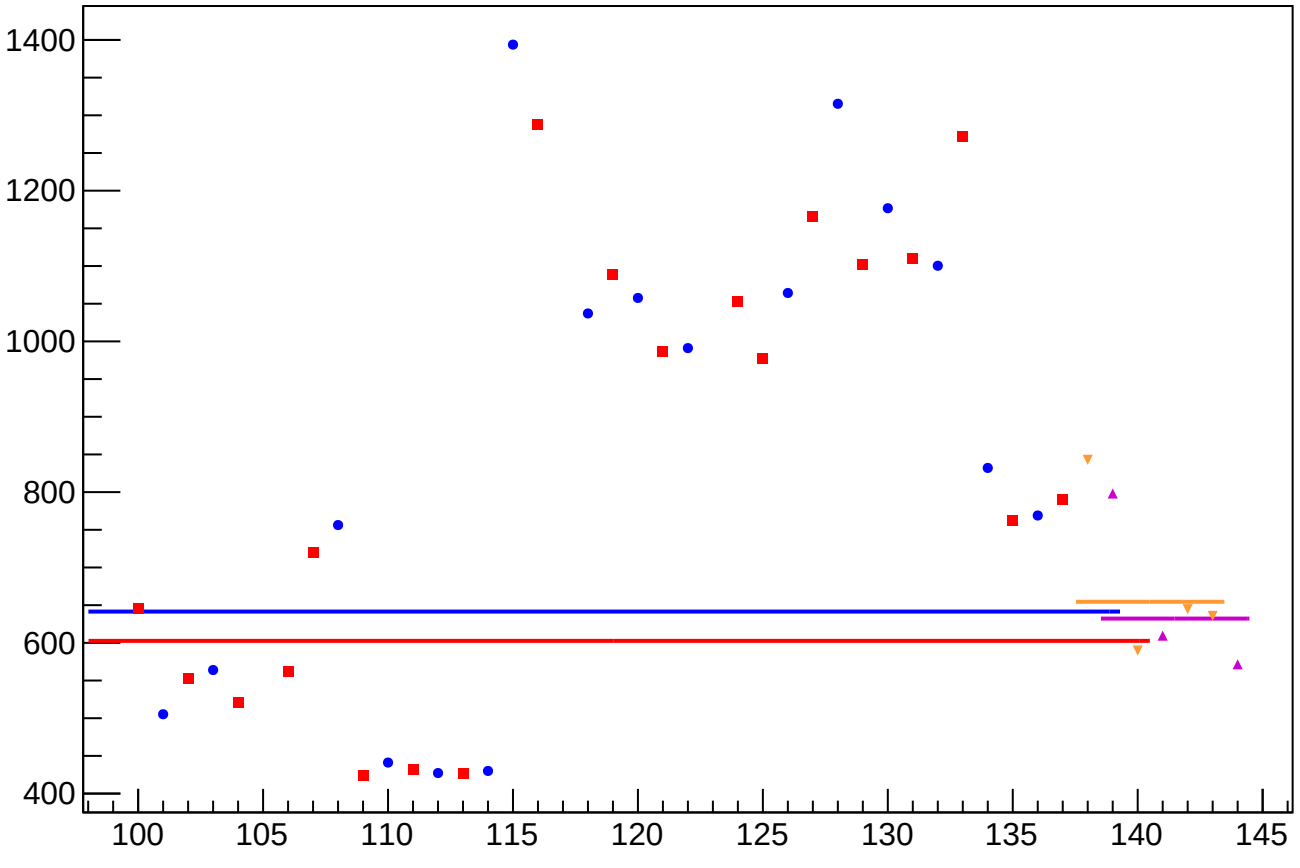
Left: 49.817+/-277.780 χ^2/NDF: 12.6/6

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 174.045+/-215.499 χ^2/NDF:26.4/18

Out: 263.746+/-203.496 χ^2/NDF:24.8/22

All: 221.463+/-147.955 χ^2/NDF: 51.2/41



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 654.523+/-0.276 χ^2/NDF:98760.7/3

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 632.202+/-0.280 χ^2/NDF:94708.7/2

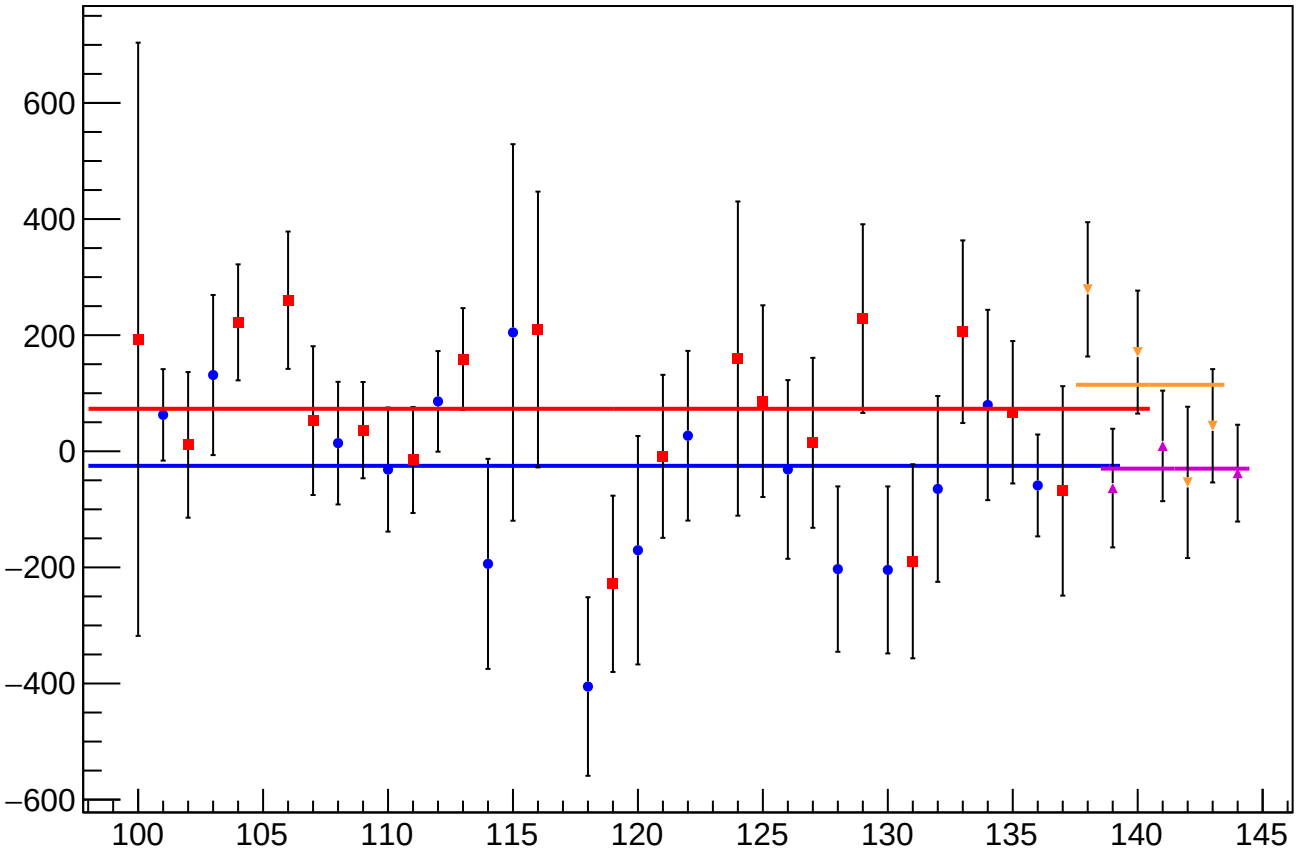
Left: 643.512+/-0.196 χ^2/NDF: 196697.2/6

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 638.739+/-0.152 χ^2/NDF:1970476.5/18

Out: 616.759+/-0.144 χ^2/NDF:2194794.6/22

All: 627.120+/-0.105 χ^2/NDF: 4176269.3/41



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.503+/-55.239 χ^2/NDF:4.5/3

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -29.906+/-53.465 χ^2/NDF:0.3/2

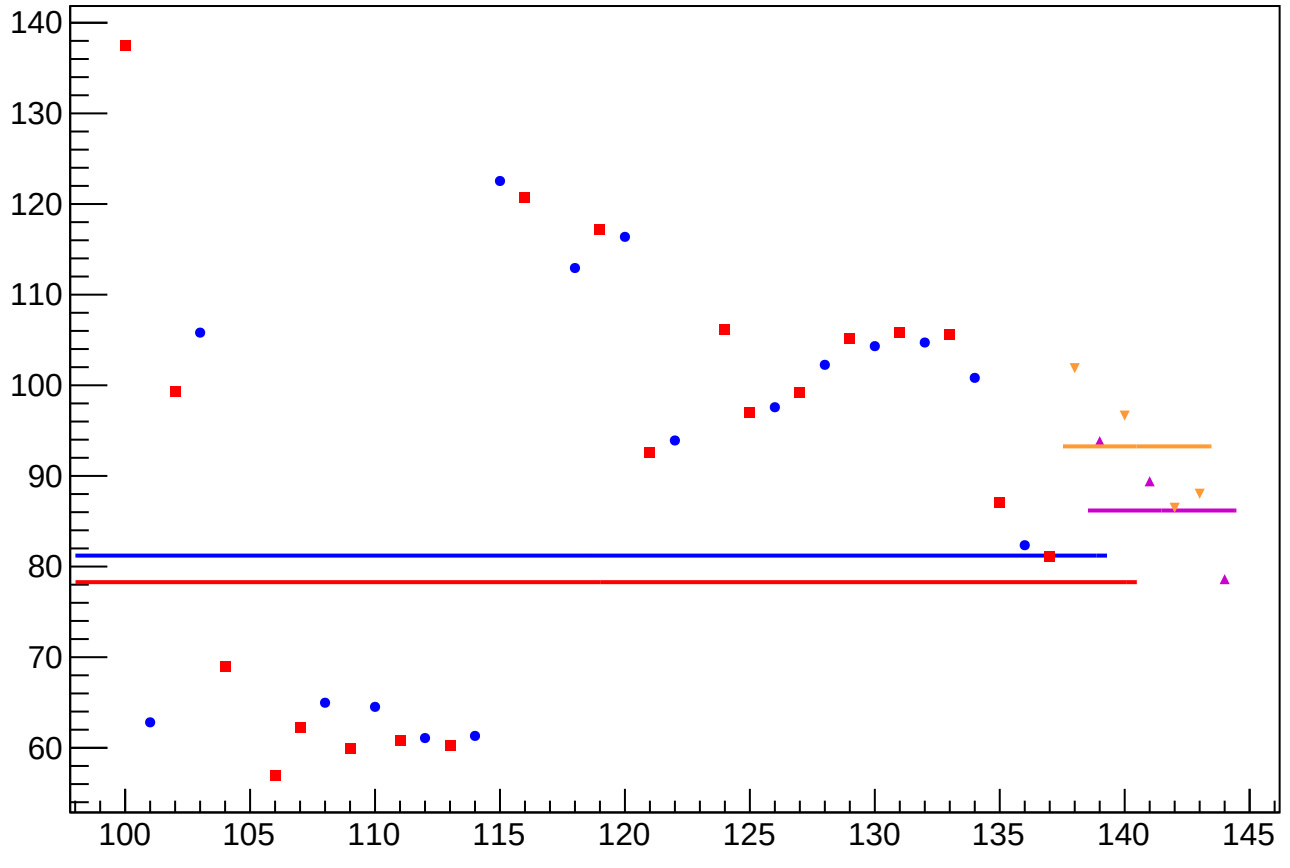
Left: 39.942+/-38.418 χ^2/NDF: 8.3/6

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -26.304+/-26.966 χ^2/NDF:16.5/18

Out: 82.571+/-26.320 χ^2/NDF:21.7/22

All: 29.454+/-18.835 χ^2/NDF: 46.5/41



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

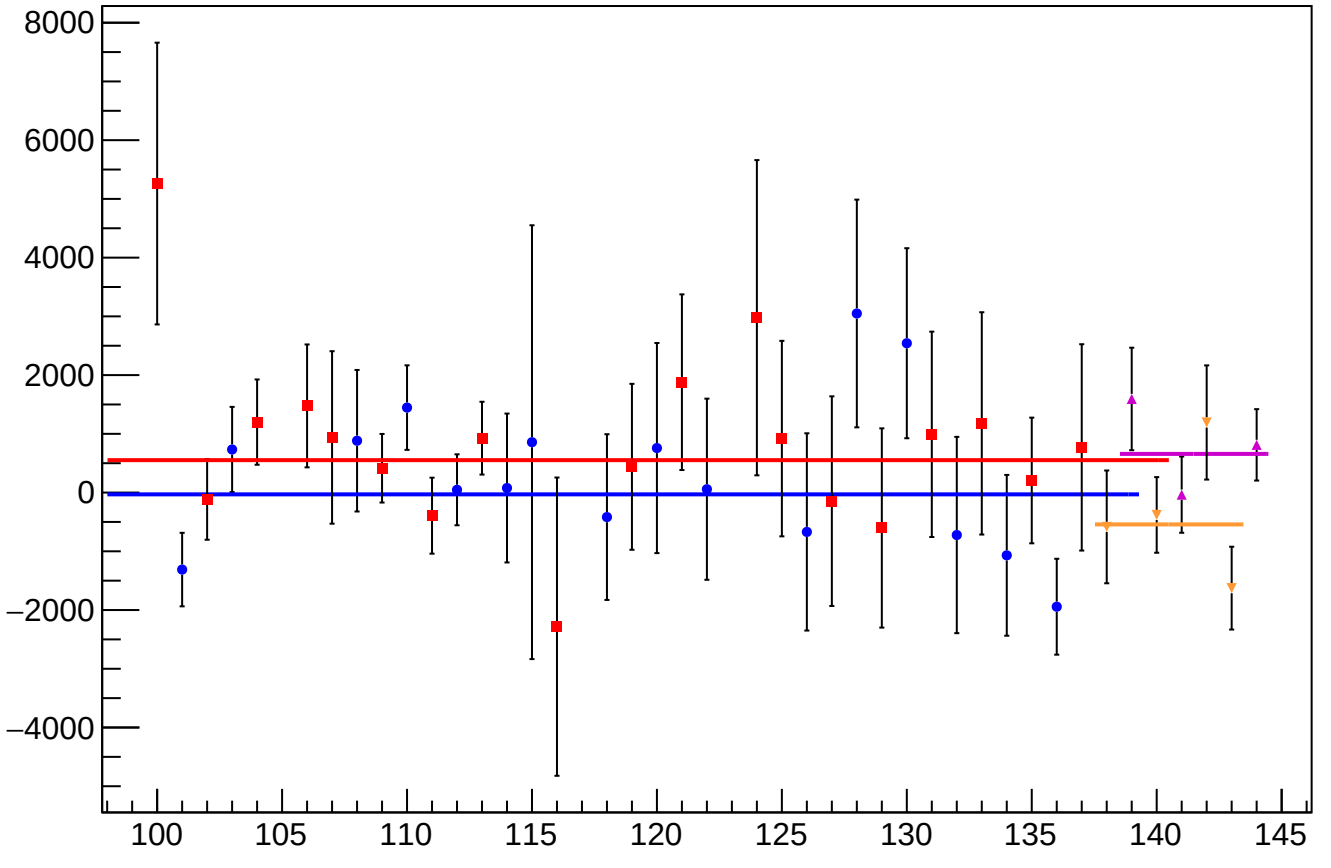
Left: 89.607+/-0.027 χ^2/NDF: 71245.0/6

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

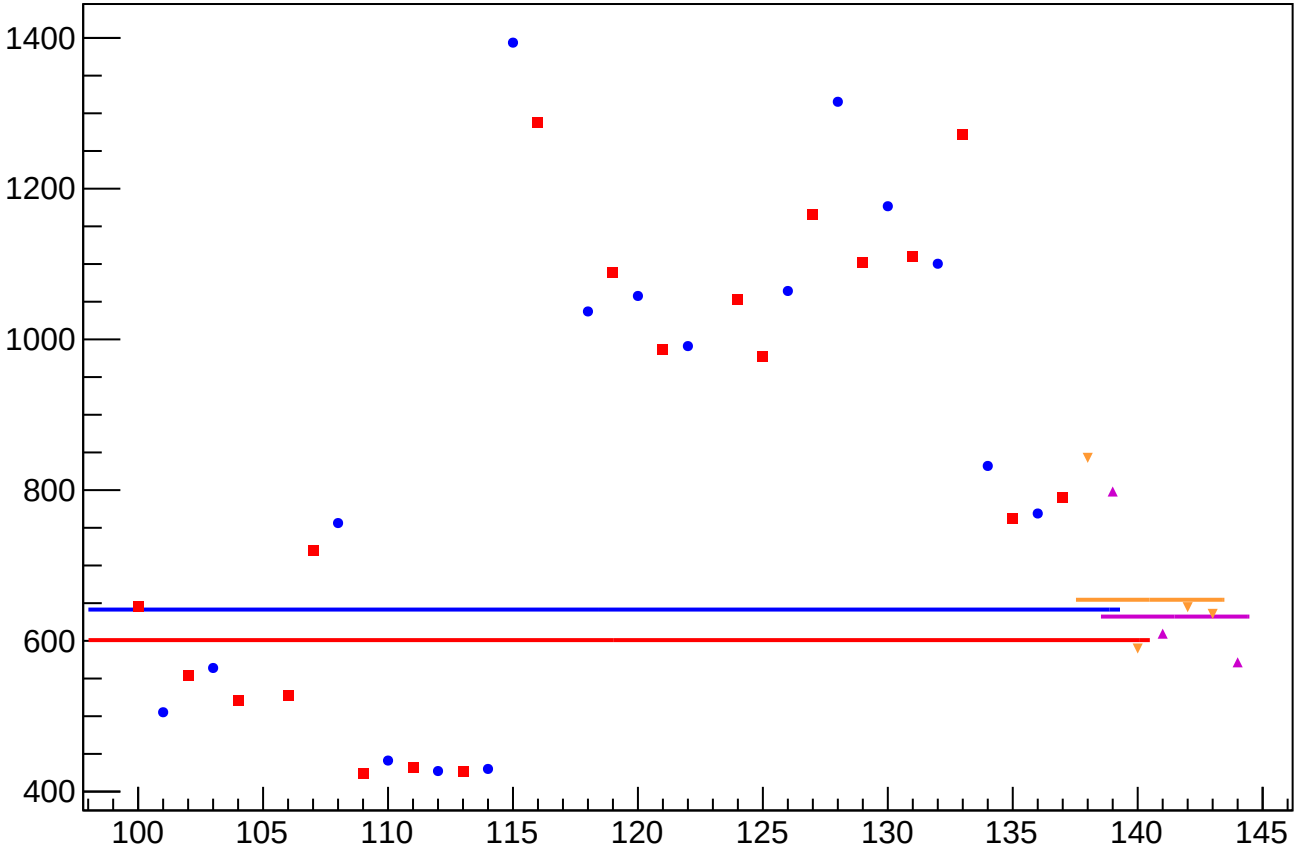
In: 82.476+/-0.019 χ^2/NDF:830597.0/18

Out: 81.680+/-0.019 χ^2/NDF:1074813.2/22

All: 82.068+/-0.013 χ^2/NDF: 1906301.3/41


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
145
Right In: -30.434+/-257.002 χ²/NDF: 21.9/15
Left Out: -542.481+/-390.228 χ²/NDF:5.6/3
Right Out: 551.948+/-238.640 χ²/NDF: 12.8/18
Left In: 658.264+/-395.505 χ²/NDF:2.4/2
Left: 49.829+/-277.780 χ²/NDF: 12.6/6
Right: 282.303+/-174.876 χ²/NDF: 37.4/34
In: 174.033+/-215.501 χ²/NDF:26.4/18
Out: 254.058+/-203.588 χ²/NDF:24.2/22
All: 216.318+/-147.991 χ²/NDF: 50.6/41

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: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 632.203+/-0.280 χ^2/NDF:94707.8/2

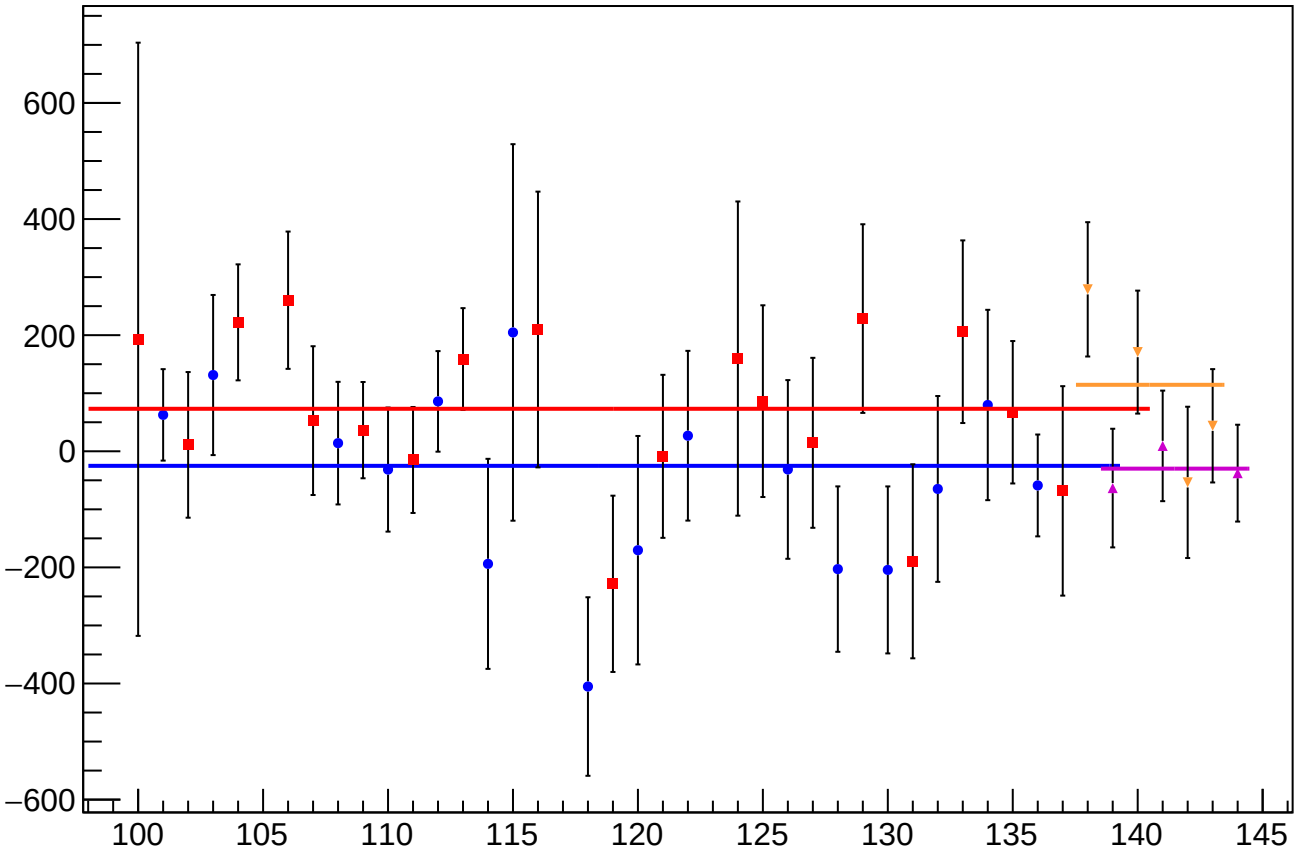
Left: 643.512+/-0.196 χ^2/NDF: 196696.1/6

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 638.745+/-0.152 χ^2/NDF:1970436.2/18

Out: 615.550+/-0.144 χ^2/NDF:2203401.5/22

All: 626.489+/-0.105 χ^2/NDF: 4186080.4/41



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.503+/-55.239 χ^2/NDF:4.5/3

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -29.906+/-53.465 χ^2/NDF:0.3/2

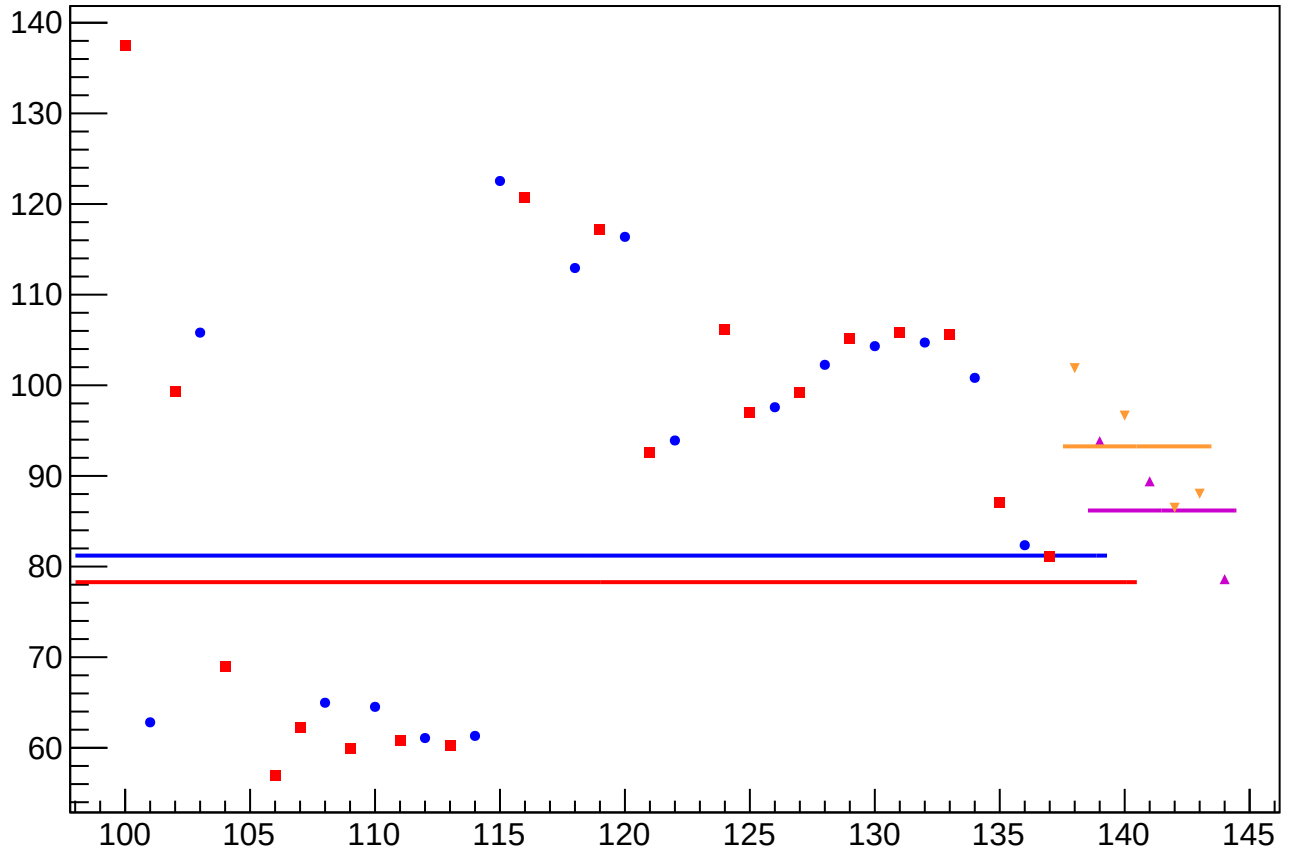
Left: 39.942+/-38.418 χ^2/NDF: 8.3/6

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -26.304+/-26.966 χ^2/NDF:16.5/18

Out: 82.571+/-26.320 χ^2/NDF:21.7/22

All: 29.454+/-18.835 χ^2/NDF: 46.5/41



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 86.186+/-0.038 χ^2/NDF:30000.0/2

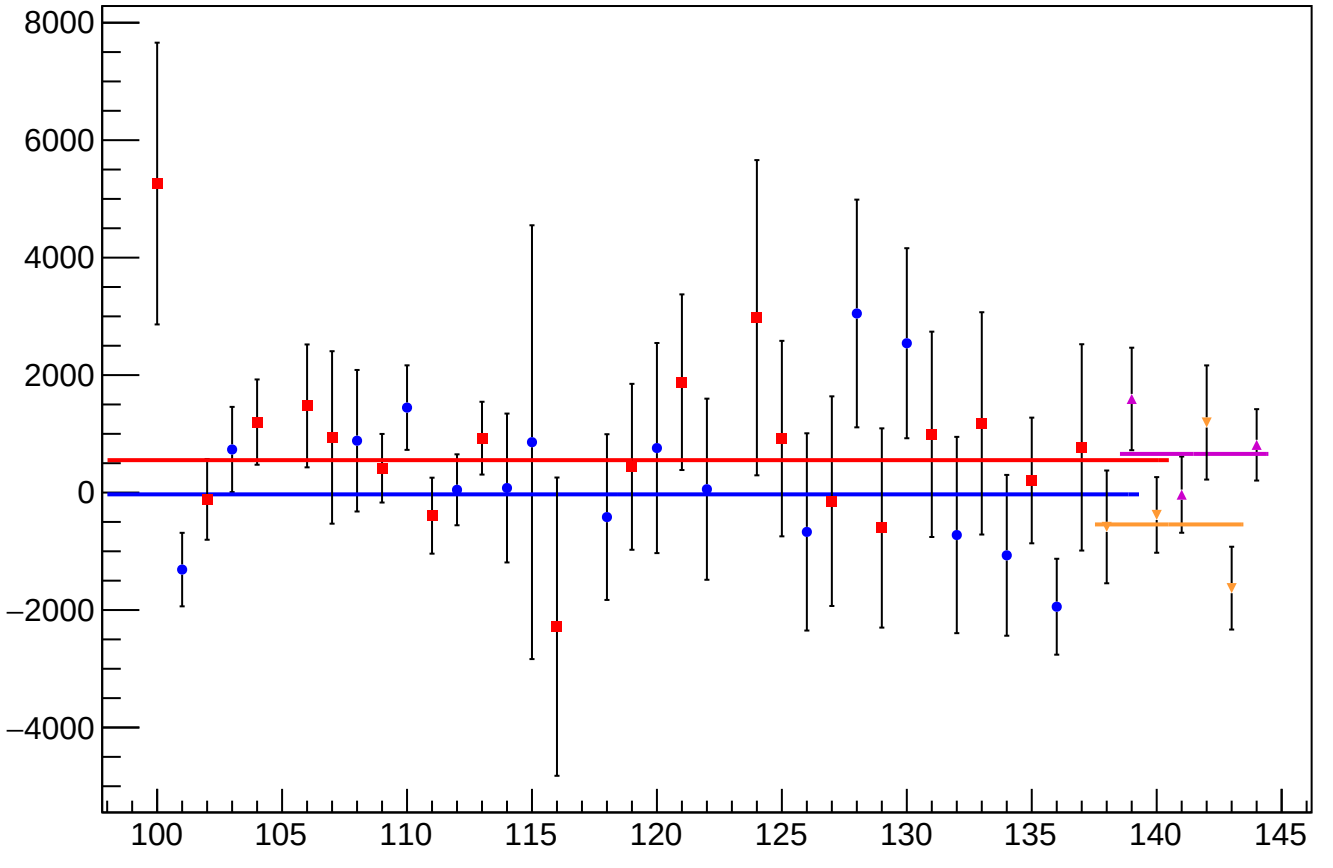
Left: 89.607+/-0.027 χ^2/NDF: 71245.0/6

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.476+/-0.019 χ^2/NDF:830597.0/18

Out: 81.680+/-0.019 χ^2/NDF:1074813.2/22

All: 82.068+/-0.013 χ^2/NDF: 1906301.3/41



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -542.481+/-390.228 χ^2/NDF:5.6/3

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 658.264+/-395.505 χ^2/NDF:2.4/2

Left: 49.829+/-277.780 χ^2/NDF: 12.6/6

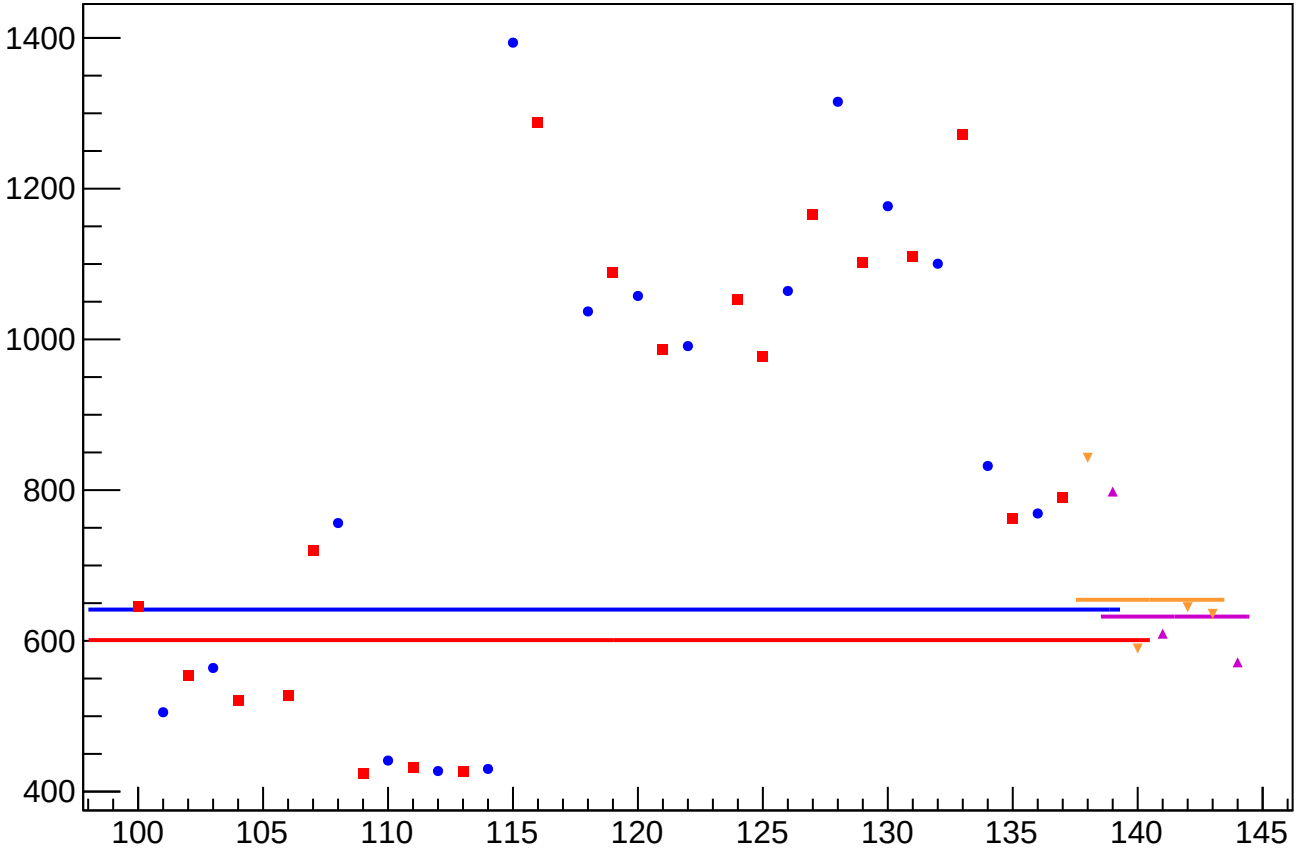
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 174.033+/-215.501 χ^2/NDF:26.4/18

Out: 254.058+/-203.588 χ^2/NDF:24.2/22

All: 216.318+/-147.991 χ^2/NDF: 50.6/41

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: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 632.203+/-0.280 χ^2/NDF:94707.8/2

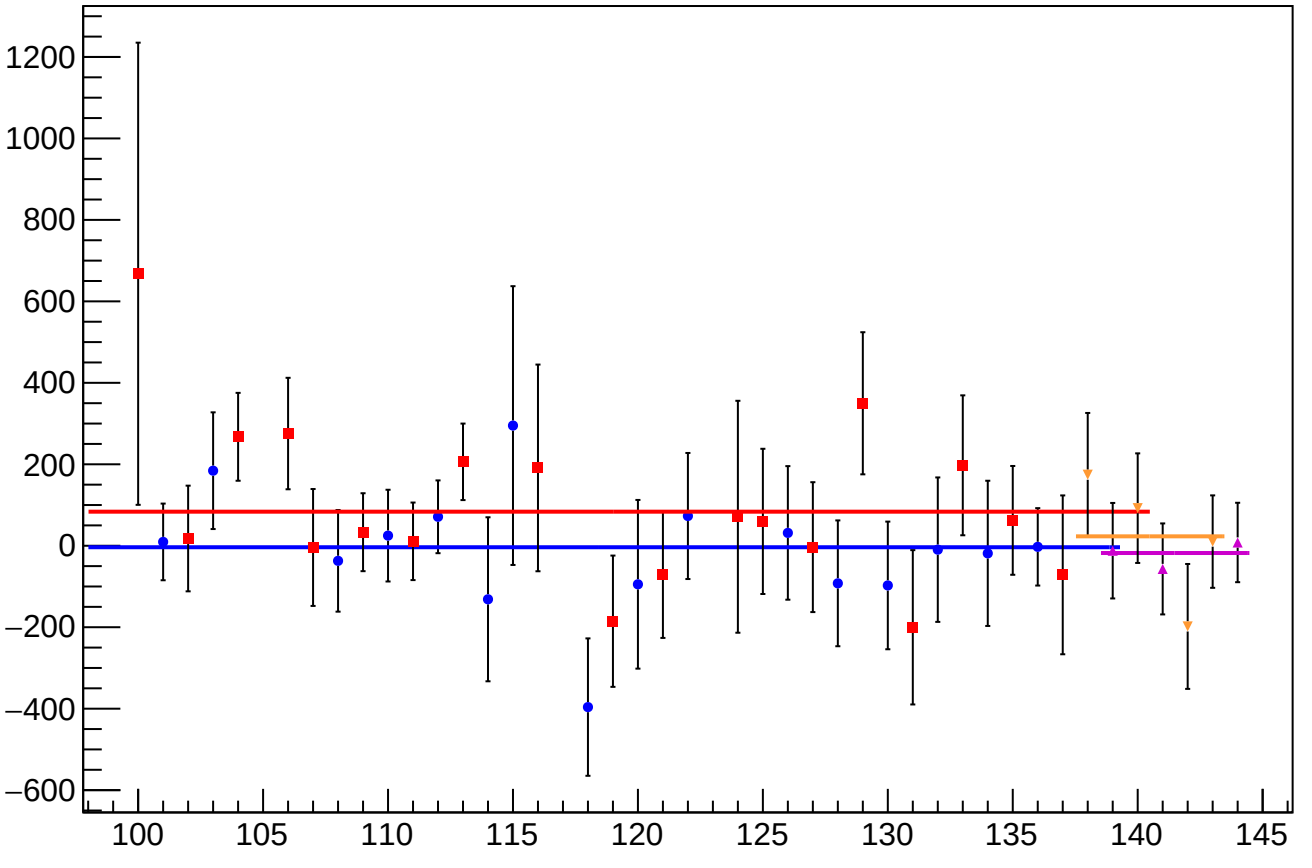
Left: 643.512+/-0.196 χ^2/NDF: 196696.1/6

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 638.745+/-0.152 χ^2/NDF:1970436.2/18

Out: 615.550+/-0.144 χ^2/NDF:2203401.5/22

All: 626.489+/-0.105 χ^2/NDF: 4186080.4/41



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.127+/-67.576 χ^2/NDF:3.4/3

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -17.806+/-62.241 χ^2/NDF:0.2/2

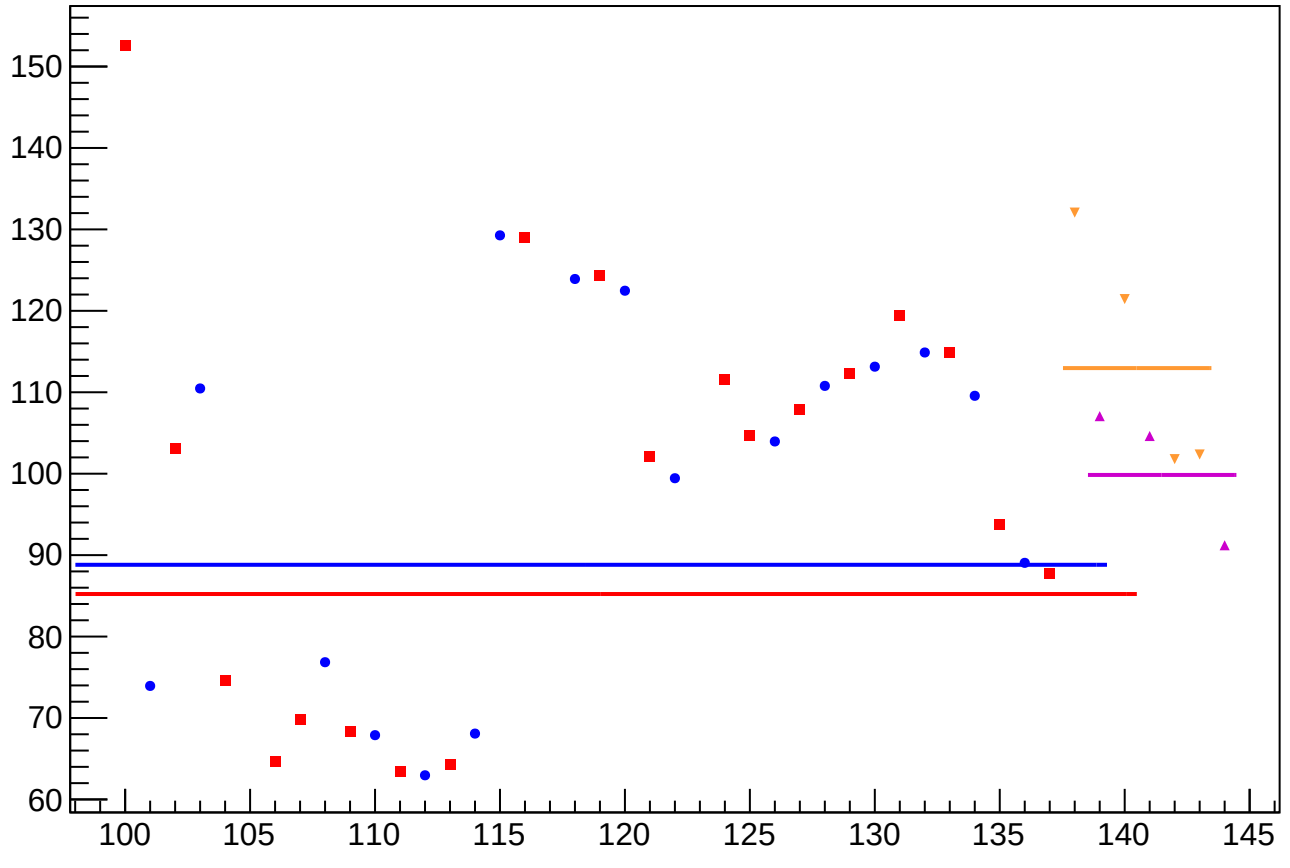
Left: 0.981+/-45.781 χ^2/NDF: 3.7/6

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -6.914+/-29.941 χ^2/NDF:10.6/18

Out: 72.227+/-29.386 χ^2/NDF:23.1/22

All: 33.397+/-20.972 χ^2/NDF: 37.2/41



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.6/3

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 99.847+/-0.044 χ^2/NDF:26944.4/2

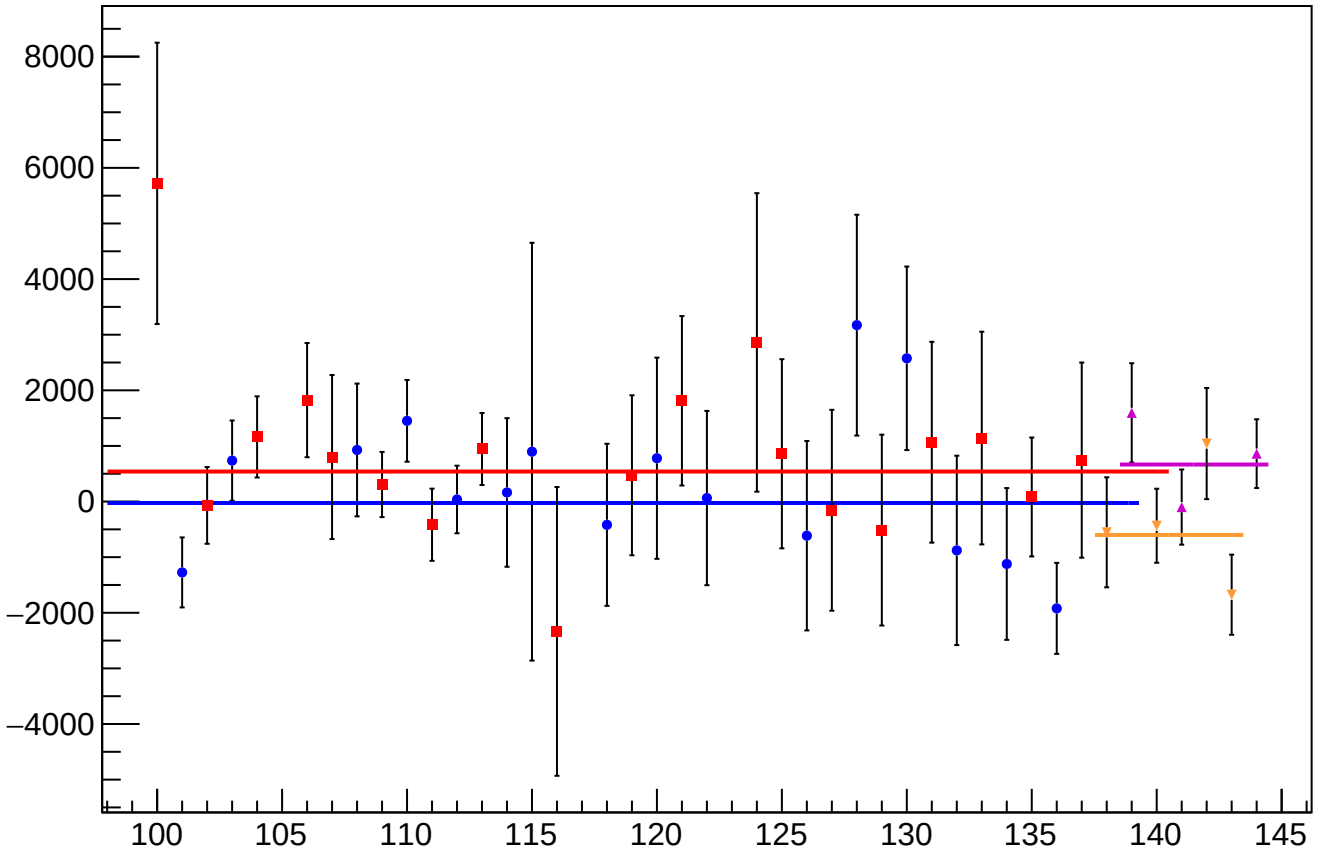
Left: 105.869+/-0.032 χ^2/NDF: 135521.0/6

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 91.367+/-0.021 χ^2/NDF:799860.1/18

Out: 90.471+/-0.021 χ^2/NDF:1225209.8/22

All: 90.910+/-0.015 χ^2/NDF: 2025981.8/41



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -600.755+/-401.462 χ^2/NDF:5.0/3

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 665.657+/-406.186 χ^2/NDF:2.5/2

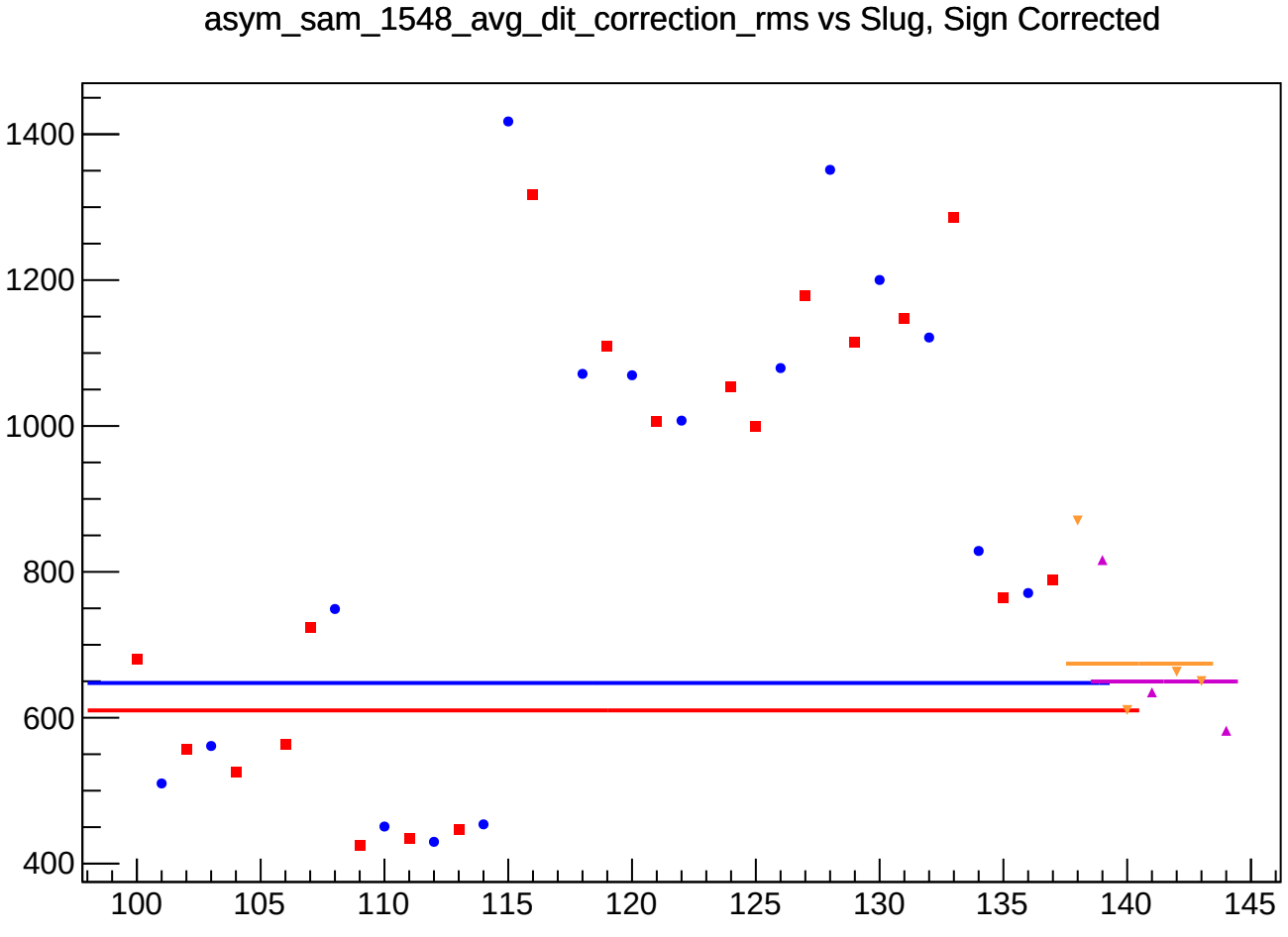
Left: 25.044+/-285.532 χ^2/NDF: 12.4/6

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 174.532+/-218.622 χ^2/NDF:26.1/18

Out: 237.101+/-206.778 χ^2/NDF:24.6/22

All: 207.558+/-150.227 χ^2/NDF: 50.7/41



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 674.156+/-0.284 χ^2/NDF:99409.3/3

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 649.693+/-0.287 χ^2/NDF:94415.6/2

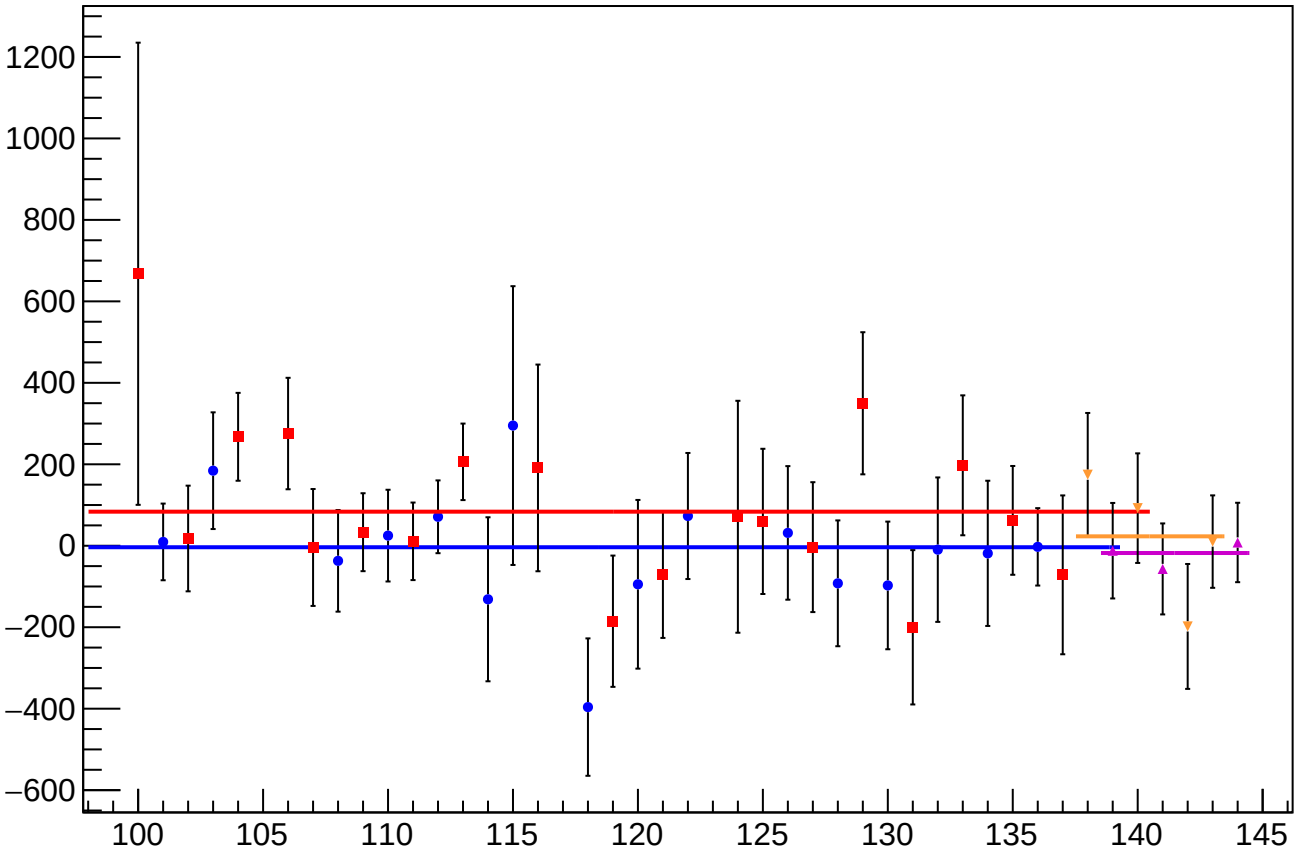
Left: 662.068+/-0.202 χ^2/NDF: 197494.4/6

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 648.235+/-0.155 χ^2/NDF:1982267.8/18

Out: 627.064+/-0.146 χ^2/NDF:2211112.8/22

All: 637.061+/-0.106 χ^2/NDF: 4203279.8/41



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.128+/-67.577 χ^2/NDF:3.4/3

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -17.805+/-62.241 χ^2/NDF:0.2/2

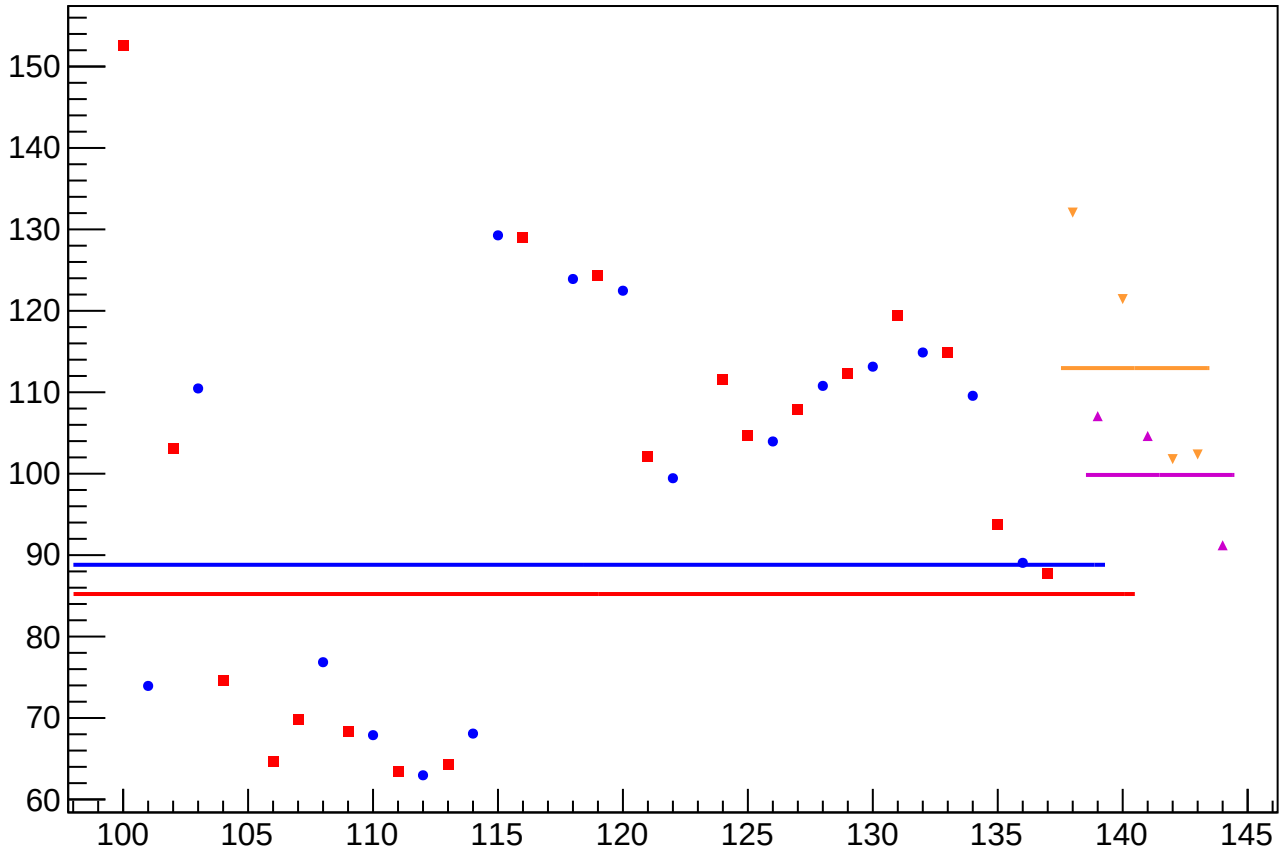
Left: 0.982+/-45.781 χ^2/NDF: 3.7/6

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -6.913+/-29.941 χ^2/NDF:10.6/18

Out: 72.227+/-29.386 χ^2/NDF:23.1/22

All: 33.398+/-20.972 χ^2/NDF: 37.2/41



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.1/3

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 99.847+/-0.044 χ^2/NDF:26944.0/2

Left: 105.869+/-0.032 χ^2/NDF: 135519.9/6

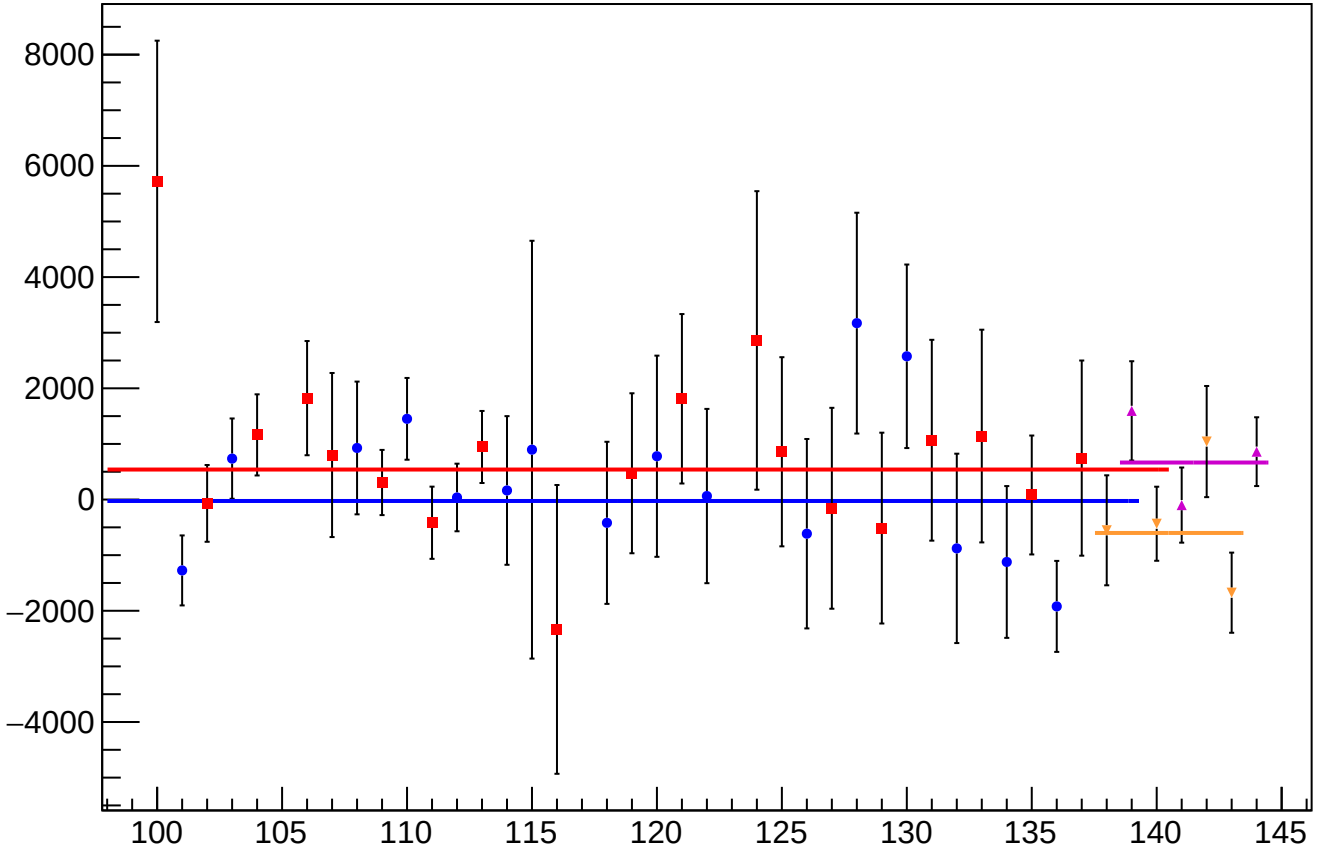
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 91.367+/-0.021 χ^2/NDF:799861.5/18

Out: 90.471+/-0.021 χ^2/NDF:1225215.5/22

All: 90.910+/-0.015 χ^2/NDF: 2025988.9/41

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: -600.755+/-401.461 χ^2/NDF:5.0/3

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 665.657+/-406.186 χ^2/NDF:2.5/2

Left: 25.044+/-285.532 χ^2/NDF: 12.4/6

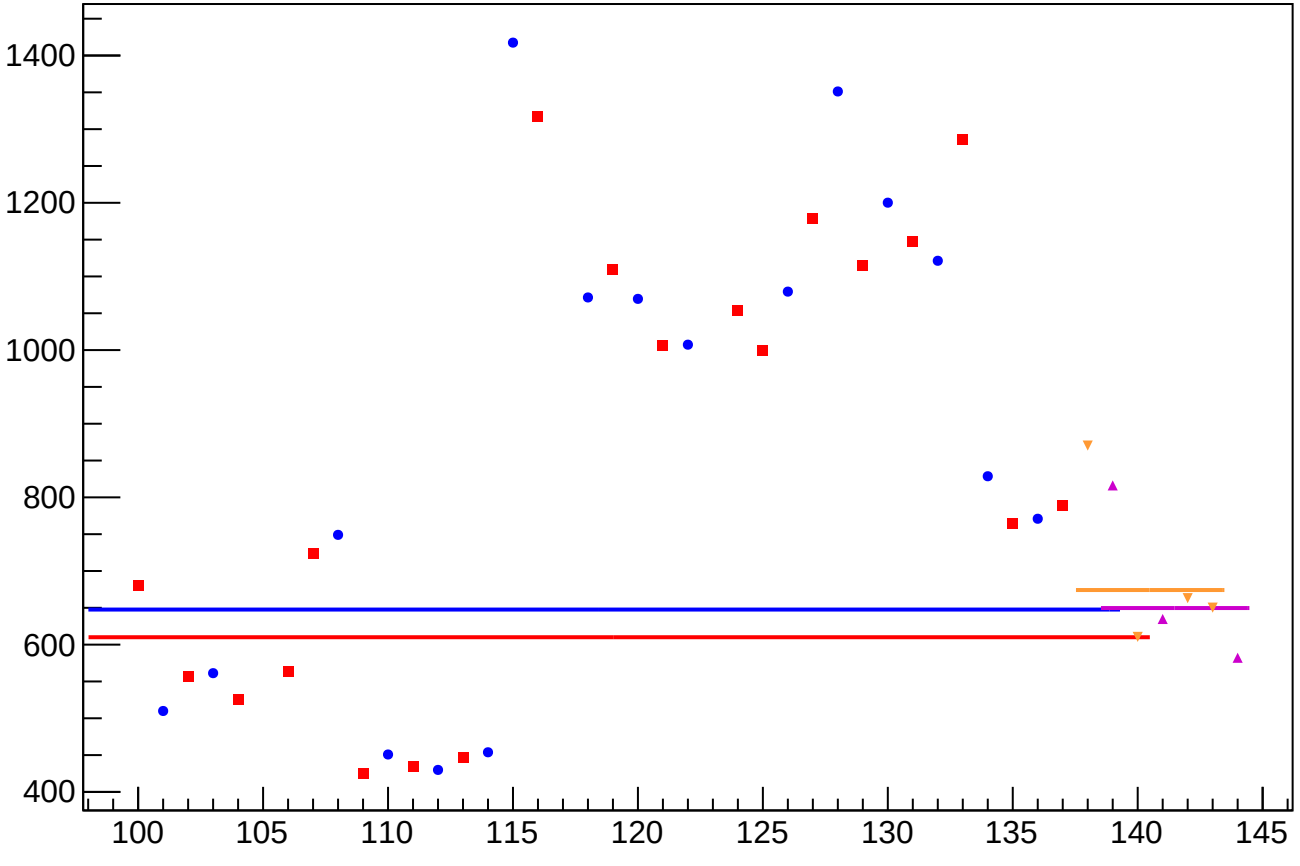
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 174.532+/-218.622 χ^2/NDF:26.1/18

Out: 237.101+/-206.778 χ^2/NDF:24.6/22

All: 207.557+/-150.227 χ^2/NDF: 50.7/41

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: 674.156+/-0.284 χ^2/NDF:99409.1/3

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 649.693+/-0.287 χ^2/NDF:94415.6/2

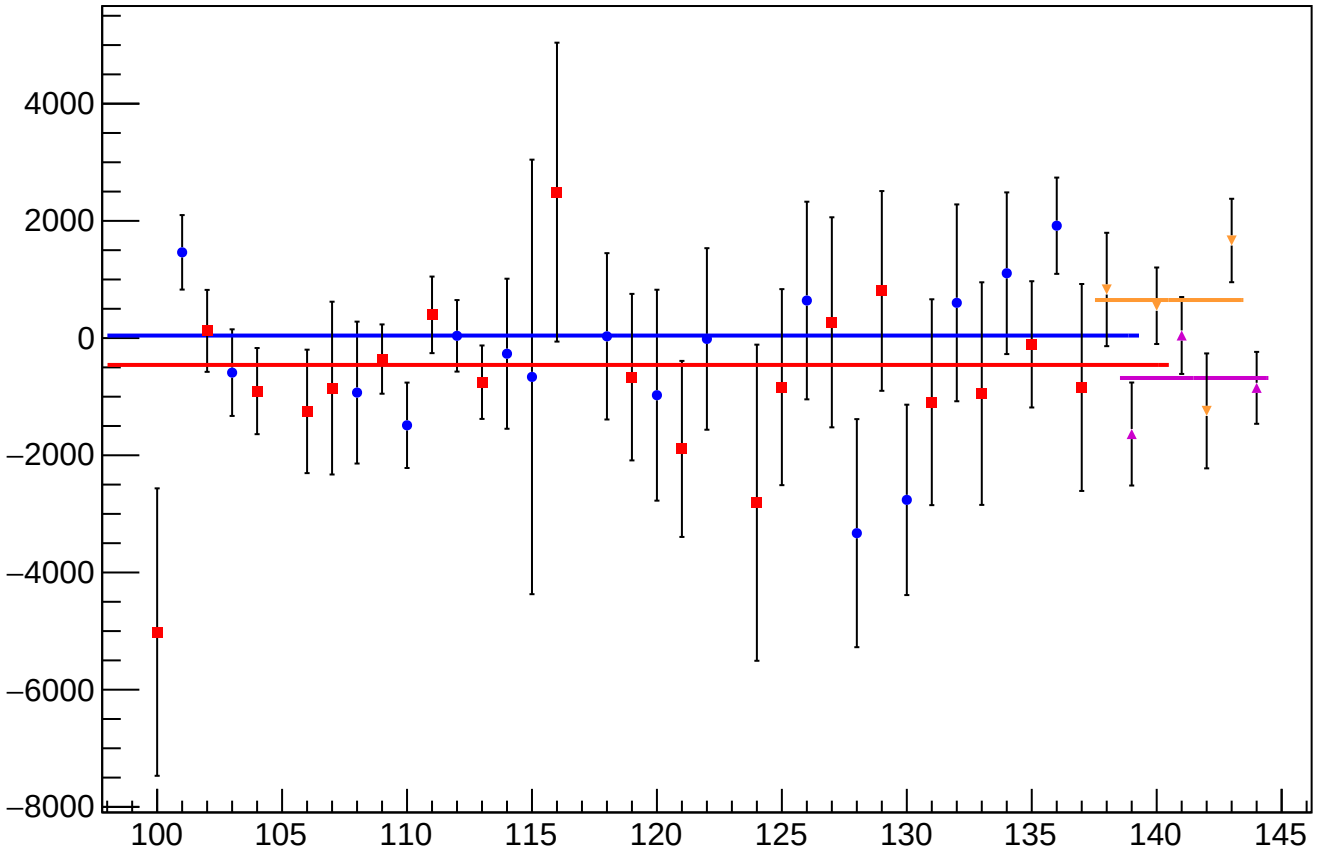
Left: 662.067+/-0.202 χ^2/NDF: 197494.3/6

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 648.235+/-0.155 χ^2/NDF:1982272.5/18

Out: 627.064+/-0.146 χ^2/NDF:2211116.0/22

All: 637.060+/-0.106 χ^2/NDF: 4203287.7/41



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 649.528+/-394.412 χ^2/NDF:5.8/3

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -680.957+/-399.274 χ^2/NDF:2.5/2

Left: -7.564+/-280.595 χ^2/NDF: 13.9/6

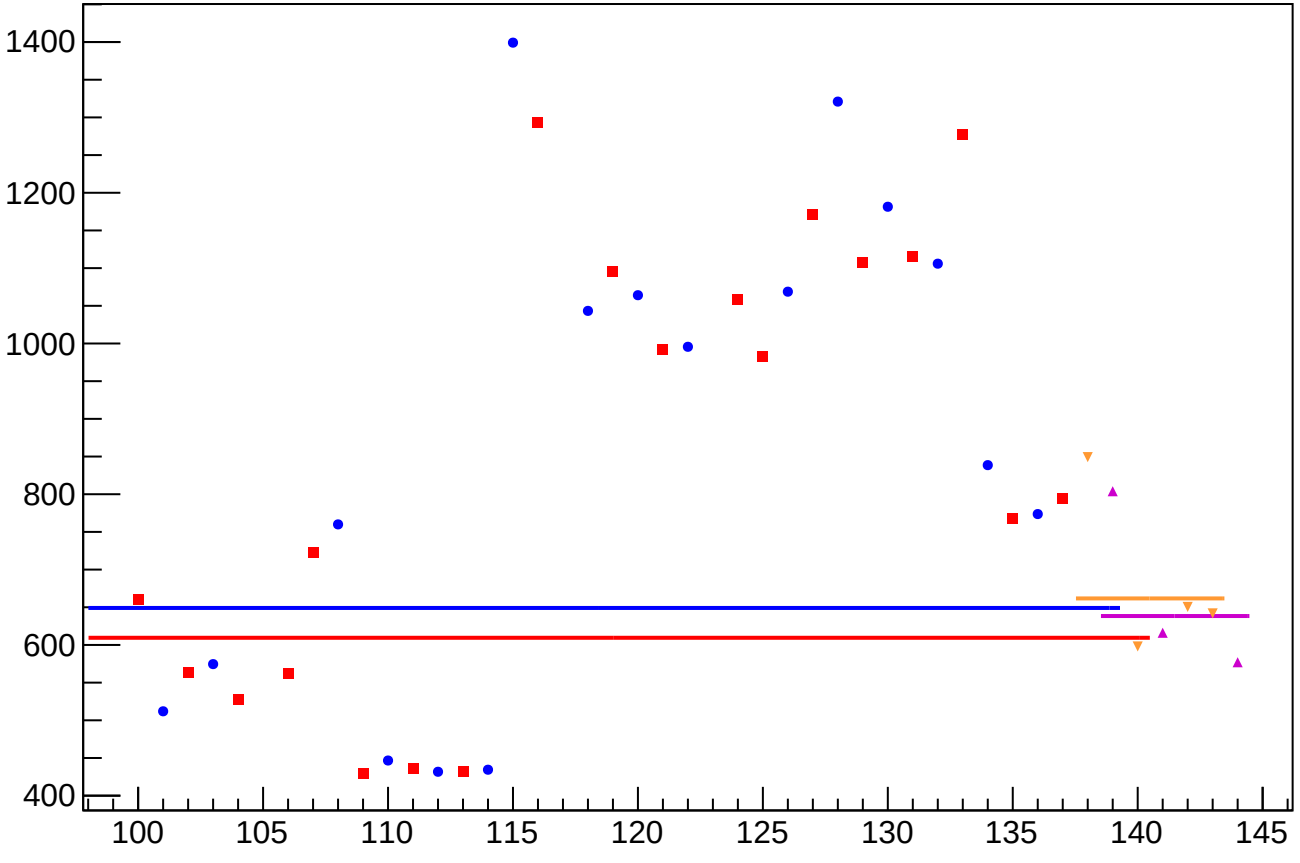
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -172.229+/-217.758 χ^2/NDF:28.0/18

Out: -156.773+/-205.721 χ^2/NDF:22.8/22

All: -164.062+/-149.541 χ^2/NDF: 50.8/41

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 661.726+/-0.279 χ^2/NDF:96017.3/3

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 638.373+/-0.282 χ^2/NDF:93265.2/2

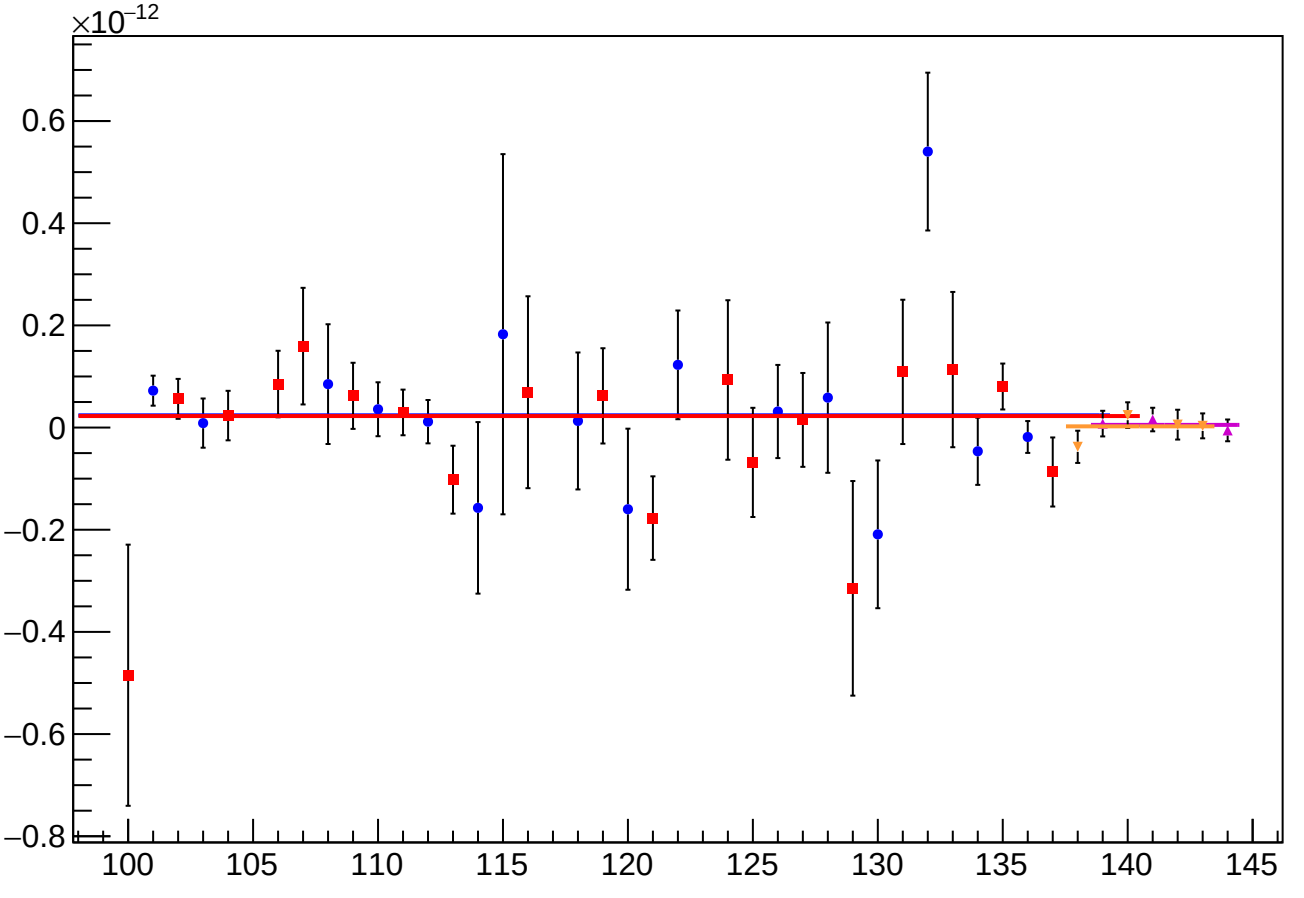
Left: 650.193+/-0.198 χ^2/NDF: 192745.5/6

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 645.903+/-0.154 χ^2/NDF:1940093.3/18

Out: 623.720+/-0.145 χ^2/NDF:2165119.8/22

All: 634.181+/-0.106 χ^2/NDF: 4116179.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/2

Left: 0.000+/-0.000 χ^2/NDF: 2.9/6

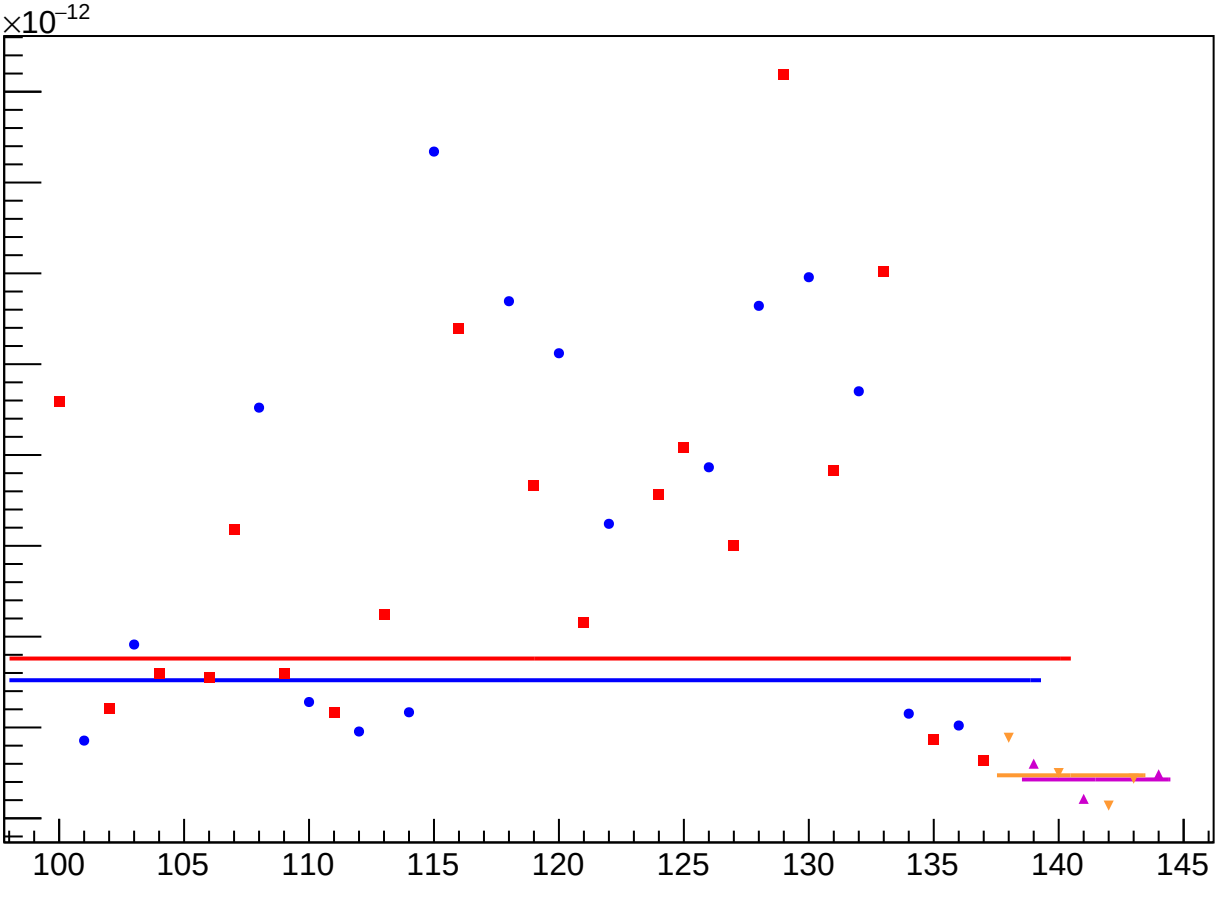
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:25.0/18

Out: 0.000+/-0.000 χ^2/NDF:29.0/22

All: 0.000+/-0.000 χ^2/NDF: 54.0/41

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:61164.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:28172.1/2

Left: 0.000+/-0.000 χ^2/NDF: 90499.6/6

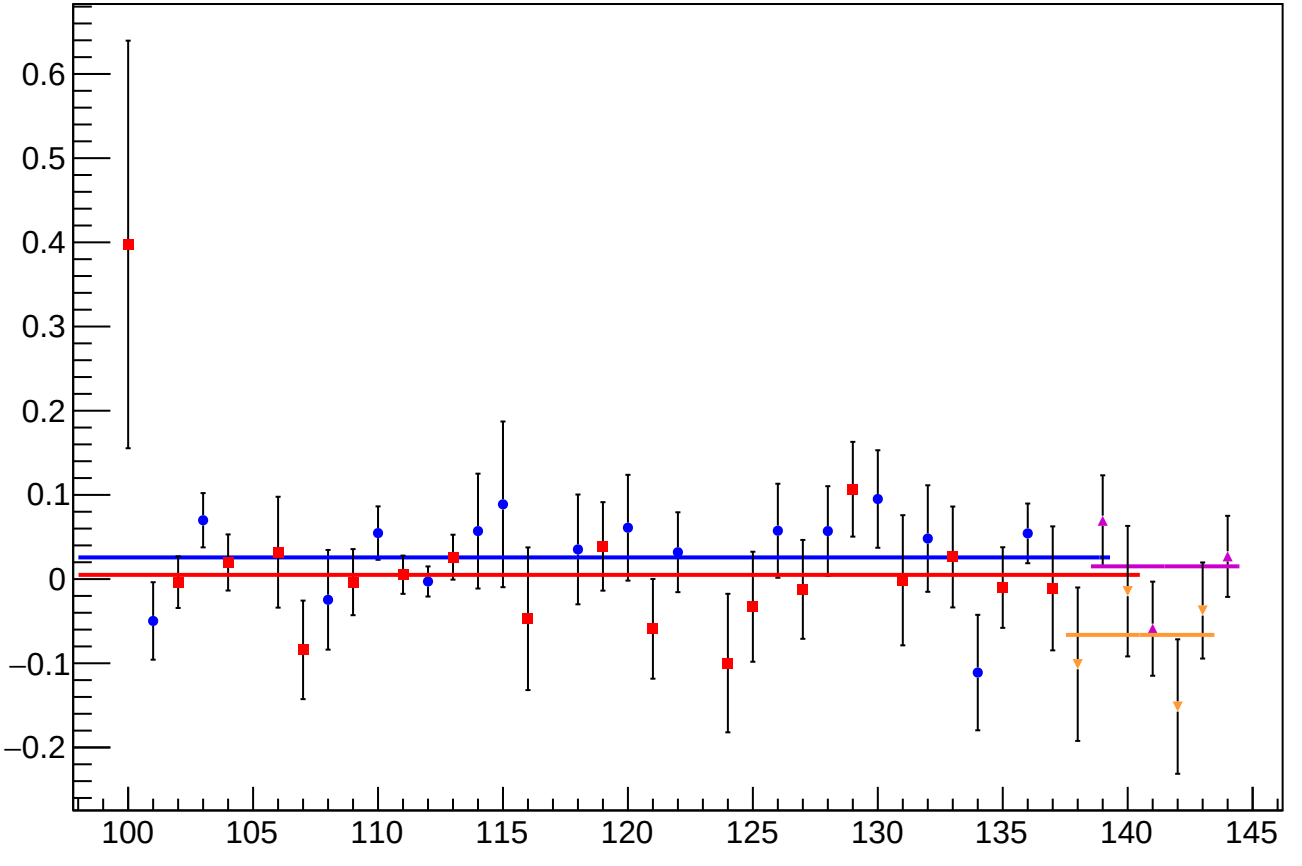
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:1926238.6/18

Out: 0.000+/-0.000 χ^2/NDF:1783025.1/22

All: 0.000+/-0.000 χ^2/NDF: 3718323.6/41

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.015+/-0.030 χ^2/NDF:2.8/2

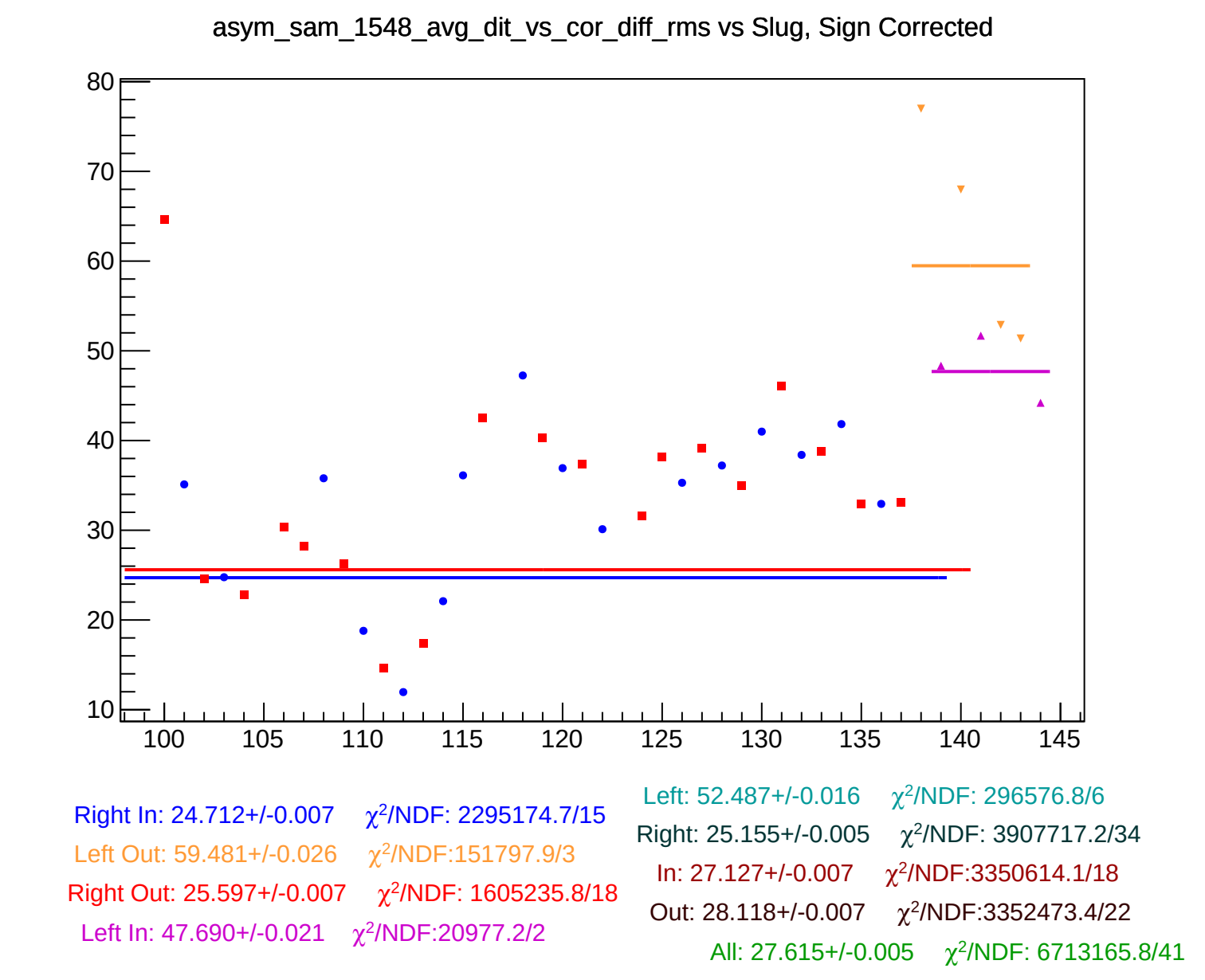
Left: -0.018+/-0.023 χ^2/NDF: 7.8/6

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

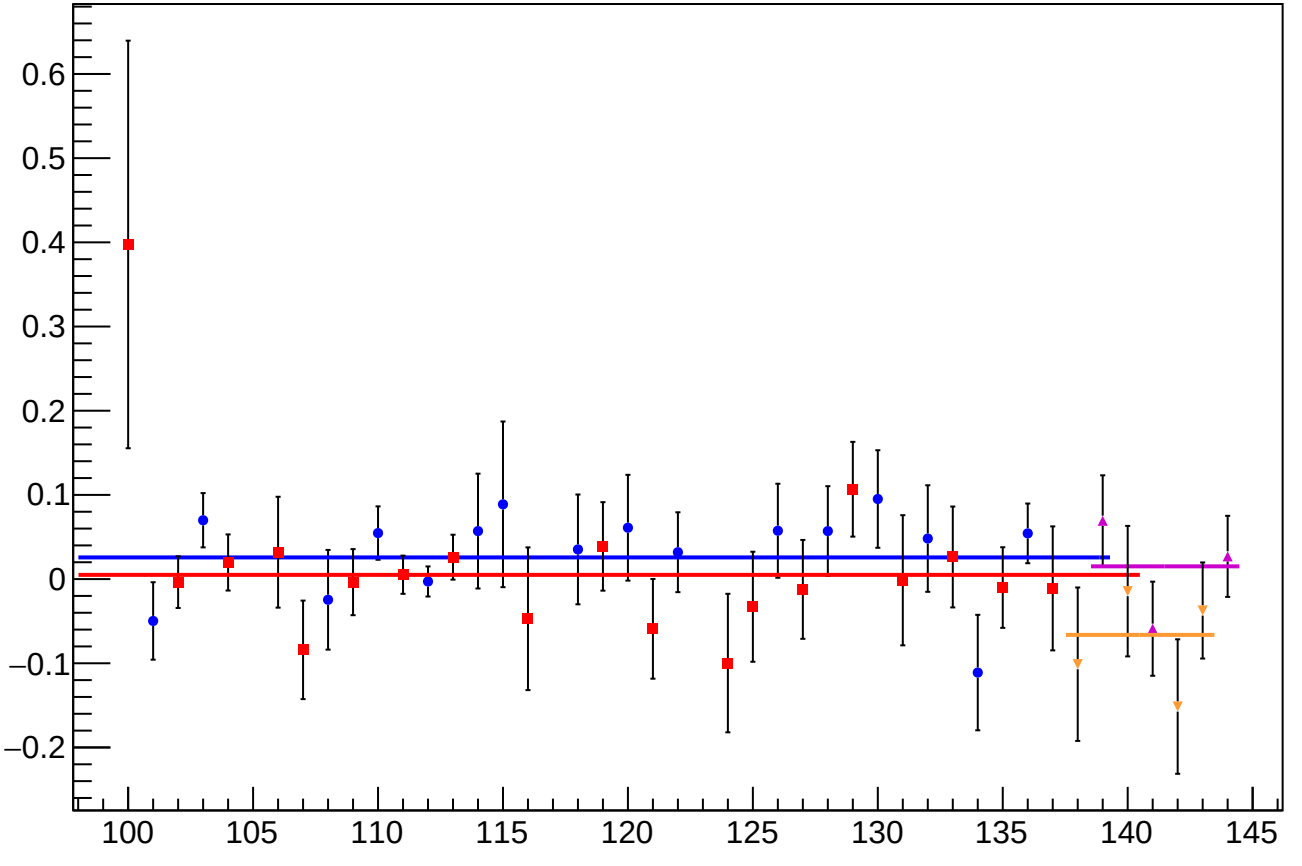
In: 0.025+/-0.010 χ^2/NDF:19.4/18

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.8/41


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 24.712+/-0.007 χ2/NDF: 2295174.7/15
Left Out: 59.481+/-0.026 χ2/NDF:151797.9/3
Right Out: 25.597+/-0.007 χ2/NDF: 1605235.8/18
Left In: 47.690+/-0.021 χ2/NDF:20977.2/2
Left: 52.487+/-0.016 χ2/NDF: 296576.8/6
Right: 25.155+/-0.005 χ2/NDF: 3907717.2/34
In: 27.127+/-0.007 χ2/NDF:3350614.1/18
Out: 28.118+/-0.007 χ2/NDF:3352473.4/22
All: 27.615+/-0.005 χ2/NDF: 6713165.8/41

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.015+/-0.030 χ^2/NDF:2.8/2

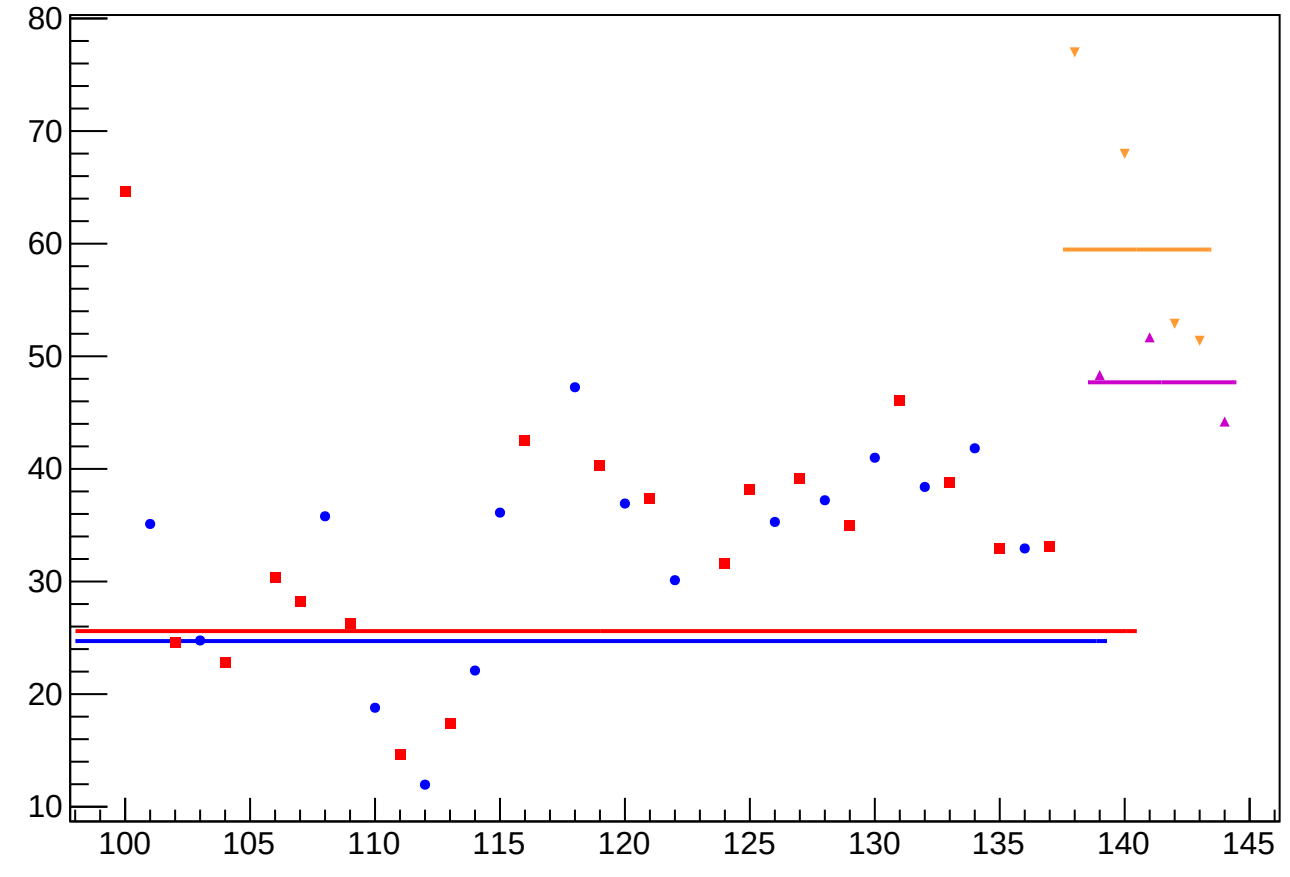
Left: -0.018+/-0.023 χ^2/NDF: 7.8/6

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/18

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.8/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 59.481+/-0.026 χ^2/NDF:151797.9/3

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.690+/-0.021 χ^2/NDF:20977.2/2

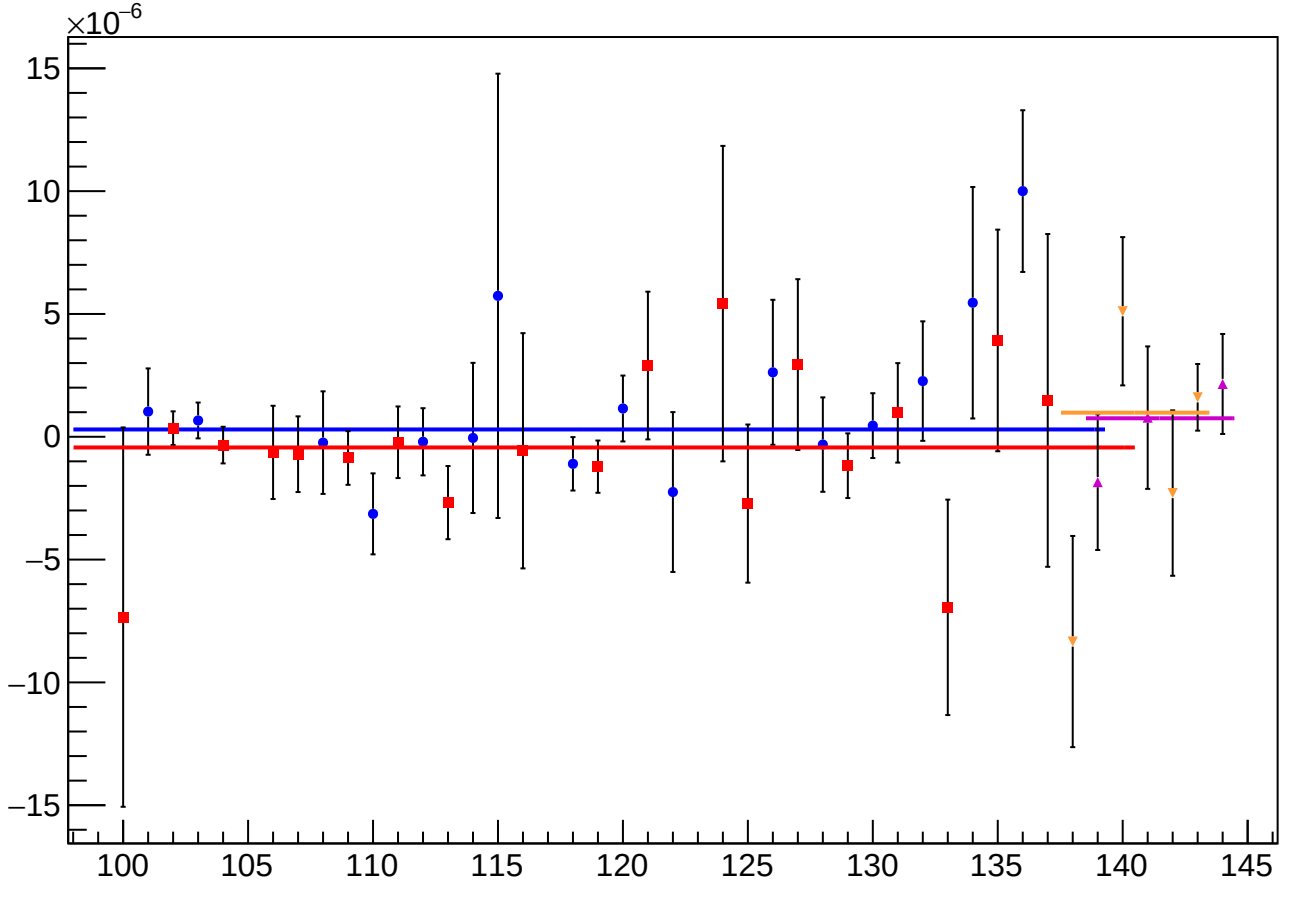
Left: 52.487+/-0.016 χ^2/NDF: 296576.8/6

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 27.127+/-0.007 χ^2/NDF:3350614.1/18

Out: 28.118+/-0.007 χ^2/NDF:3352473.4/22

All: 27.615+/-0.005 χ^2/NDF: 6713165.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/2

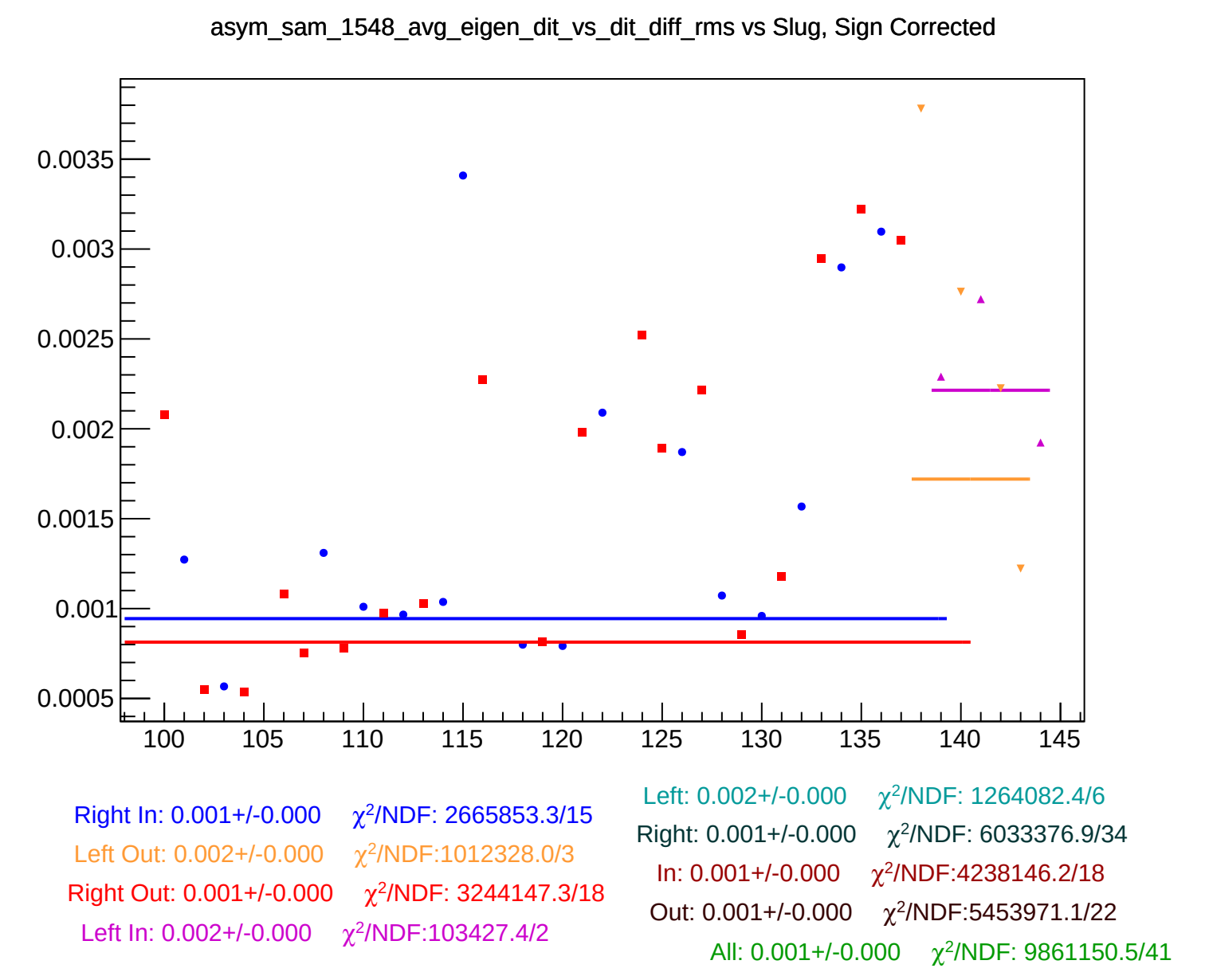
Left: 0.000+/-0.000 χ^2/NDF: 9.1/6

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

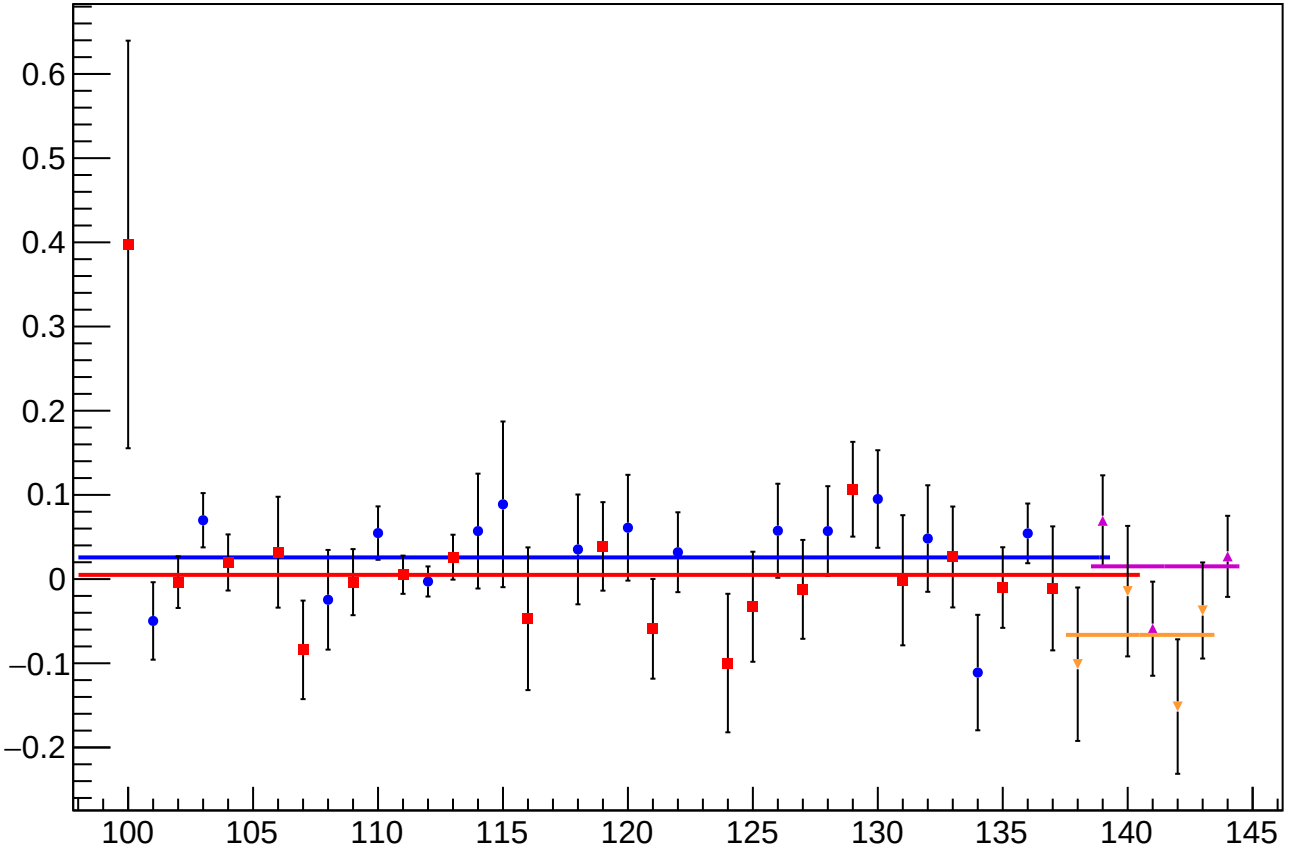
In: 0.000+/-0.000 χ^2/NDF:20.7/18

Out: -0.000+/-0.000 χ^2/NDF:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 44.3/41


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1012328.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:103427.4/2
Left: 0.002+/-0.000 χ²/NDF: 1264082.4/6
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:4238146.2/18
Out: 0.001+/-0.000 χ²/NDF:5453971.1/22
All: 0.001+/-0.000 χ²/NDF: 9861150.5/41

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.015+/-0.030 χ^2/NDF:2.8/2

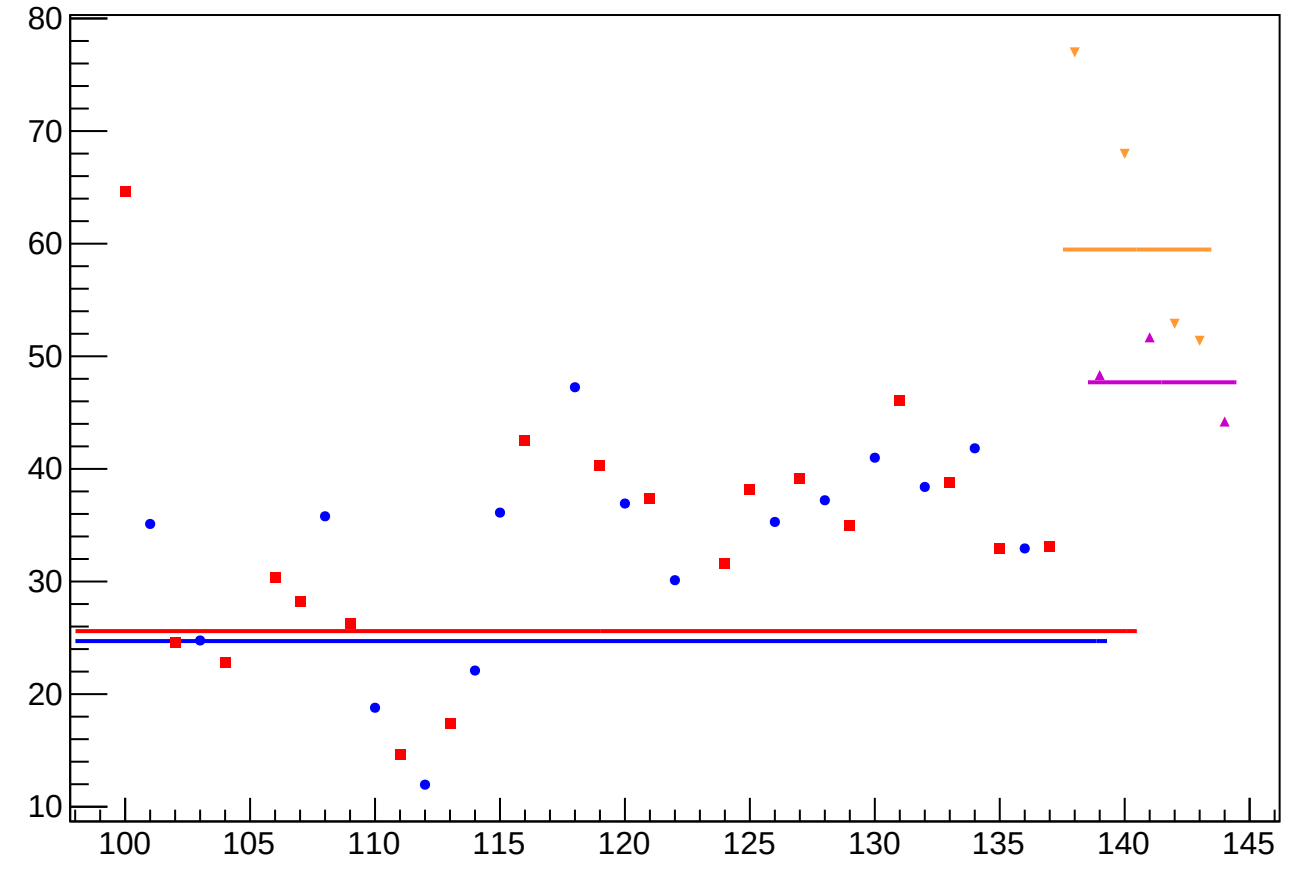
Left: -0.018+/-0.023 χ^2/NDF: 7.8/6

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/18

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.8/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 59.481+/-0.026 χ^2/NDF:151795.6/3

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 47.691+/-0.021 χ^2/NDF:20977.5/2

Left: 52.487+/-0.016 χ^2/NDF: 296571.8/6

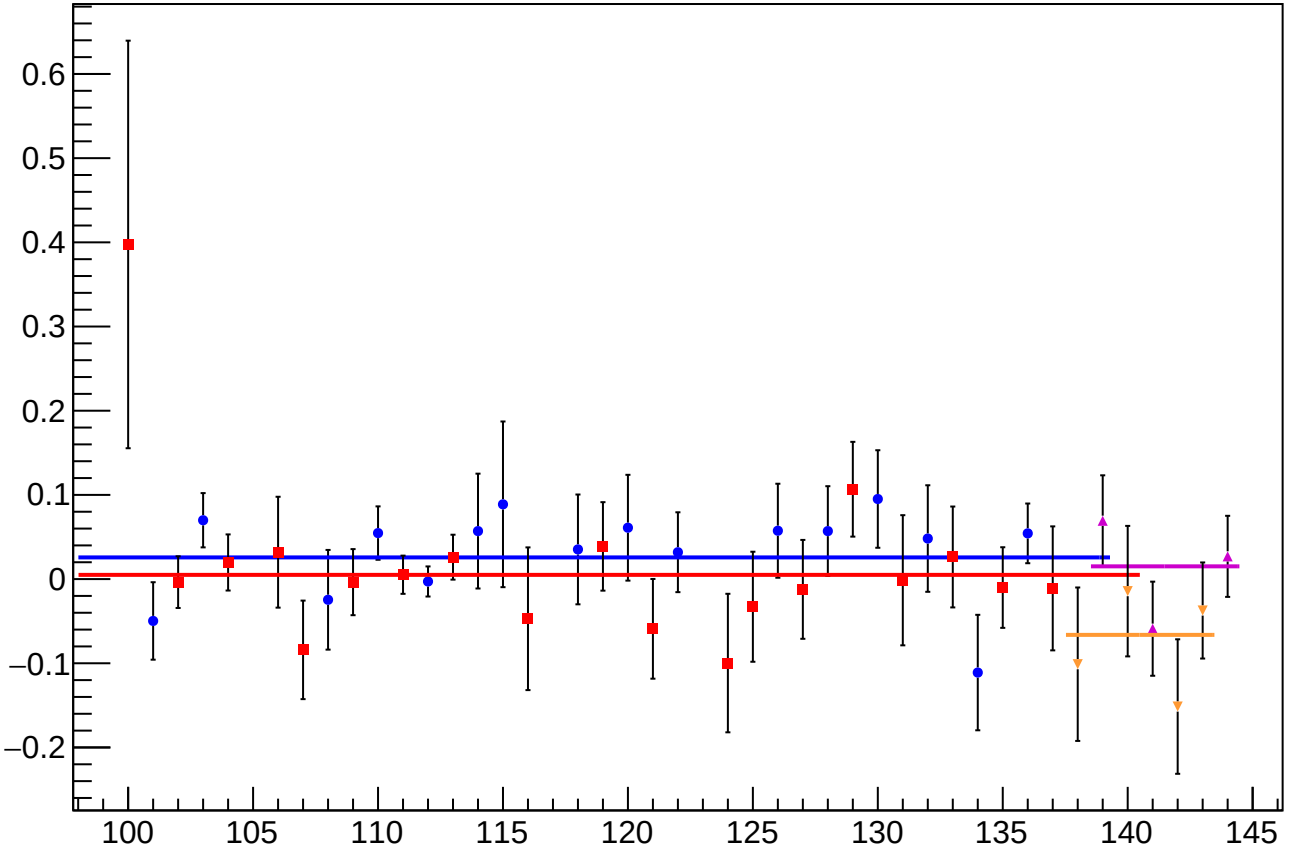
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.126+/-0.007 χ^2/NDF:3350870.0/18

Out: 28.118+/-0.007 χ^2/NDF:3352684.2/22

All: 27.614+/-0.005 χ^2/NDF: 6713635.3/41

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: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.015+/-0.030 χ^2/NDF:2.8/2

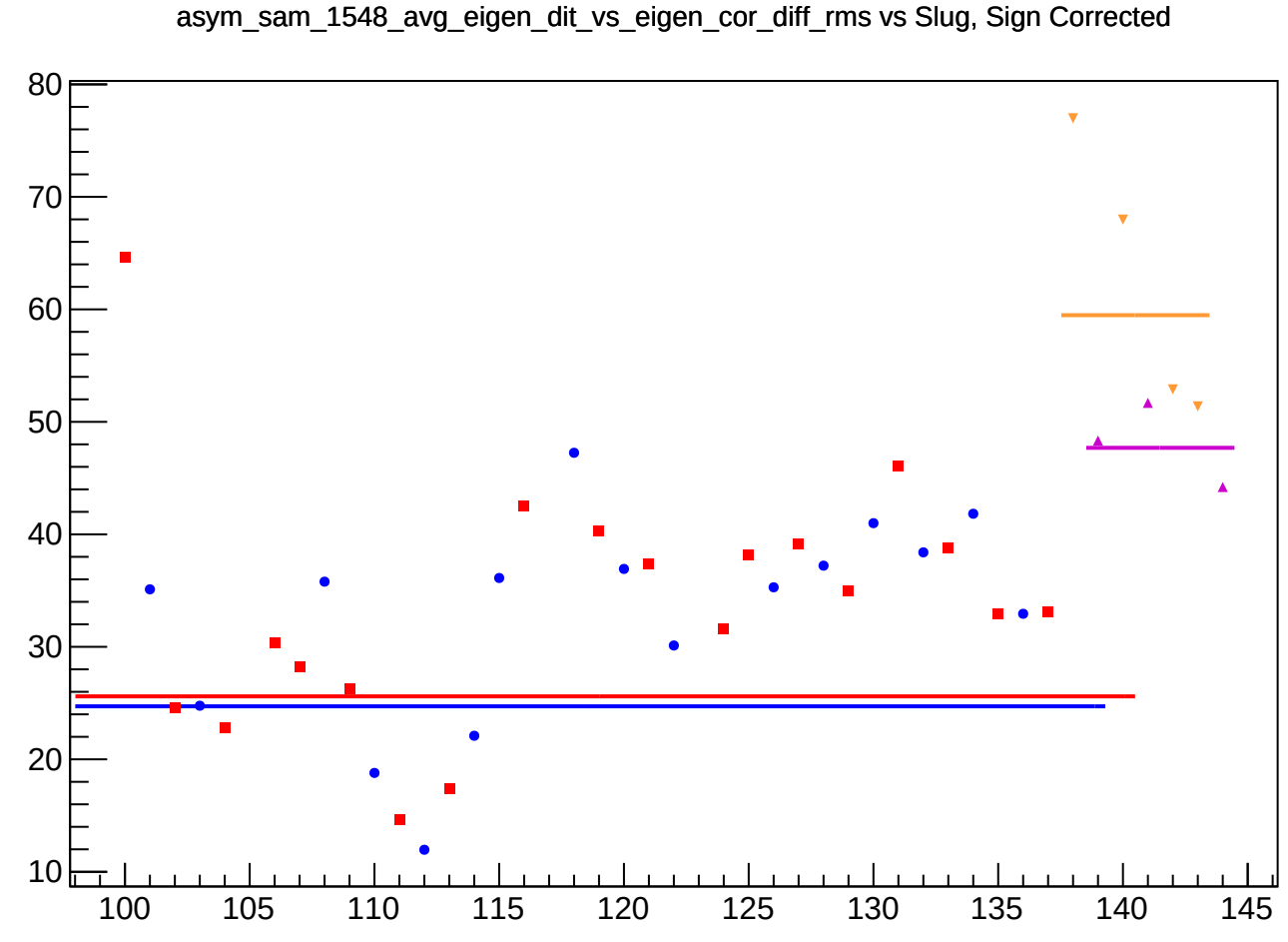
Left: -0.018+/-0.023 χ^2/NDF: 7.8/6

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/18

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.8/41



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 59.481+/-0.026 χ^2/NDF:151795.6/3

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 47.691+/-0.021 χ^2/NDF:20977.5/2

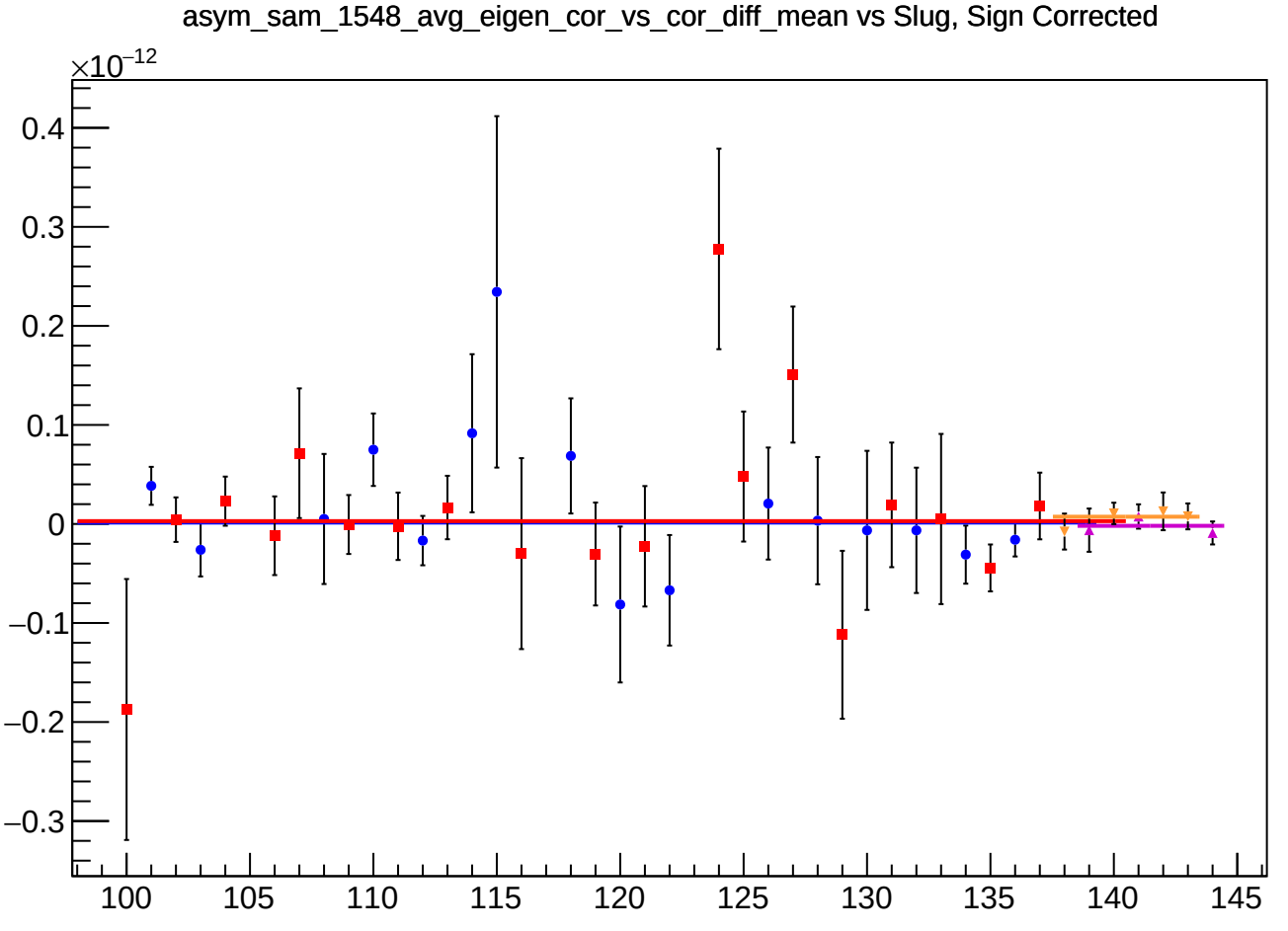
Left: 52.487+/-0.016 χ^2/NDF: 296571.8/6

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.126+/-0.007 χ^2/NDF:3350870.0/18

Out: 28.118+/-0.007 χ^2/NDF:3352684.2/22

All: 27.614+/-0.005 χ^2/NDF: 6713635.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/2

Left: 0.000+/-0.000 χ^2/NDF: 2.6/6

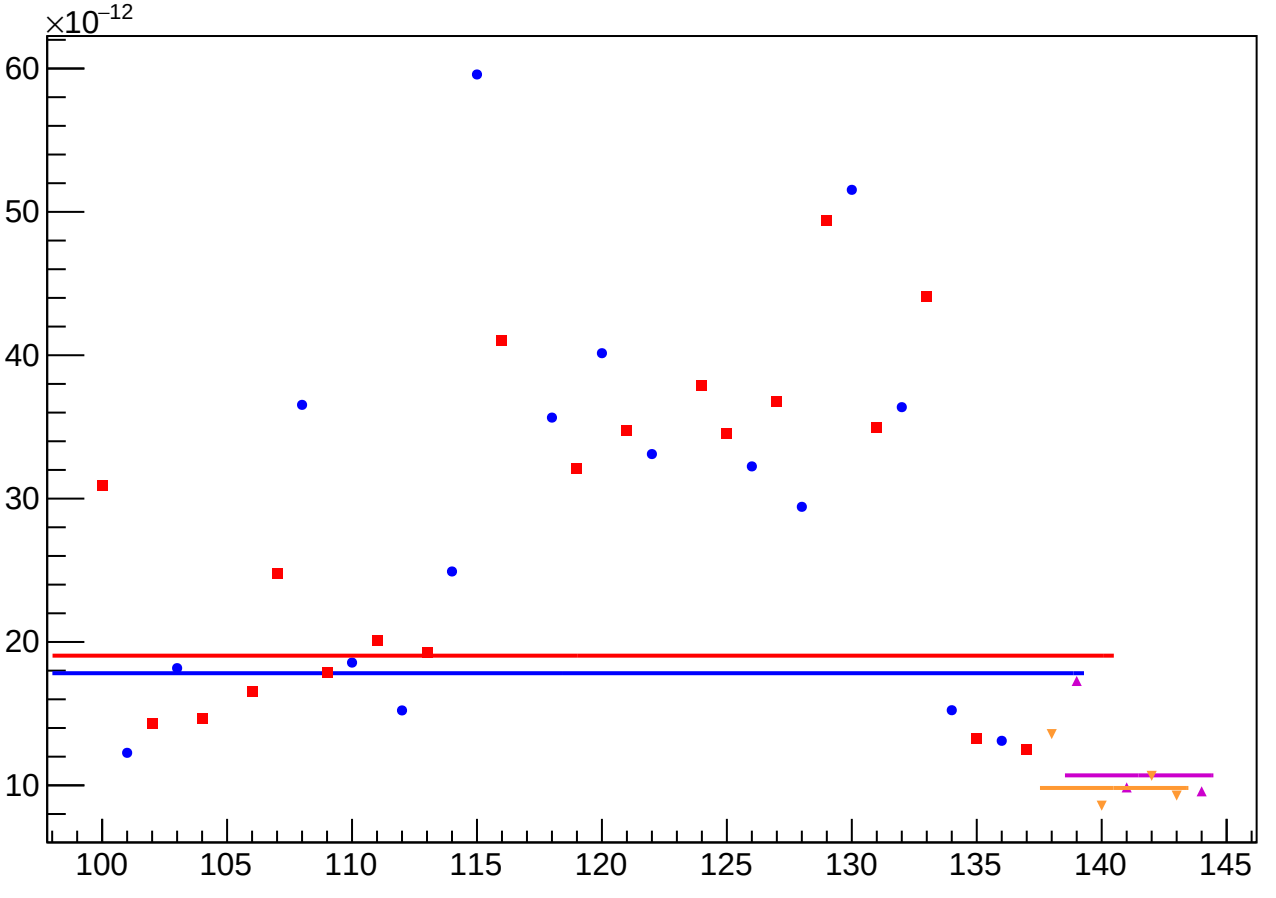
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:19.8/18

Out: 0.000+/-0.000 χ^2/NDF:24.5/22

All: 0.000+/-0.000 χ^2/NDF: 44.9/41

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:118956.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:209612.2/2

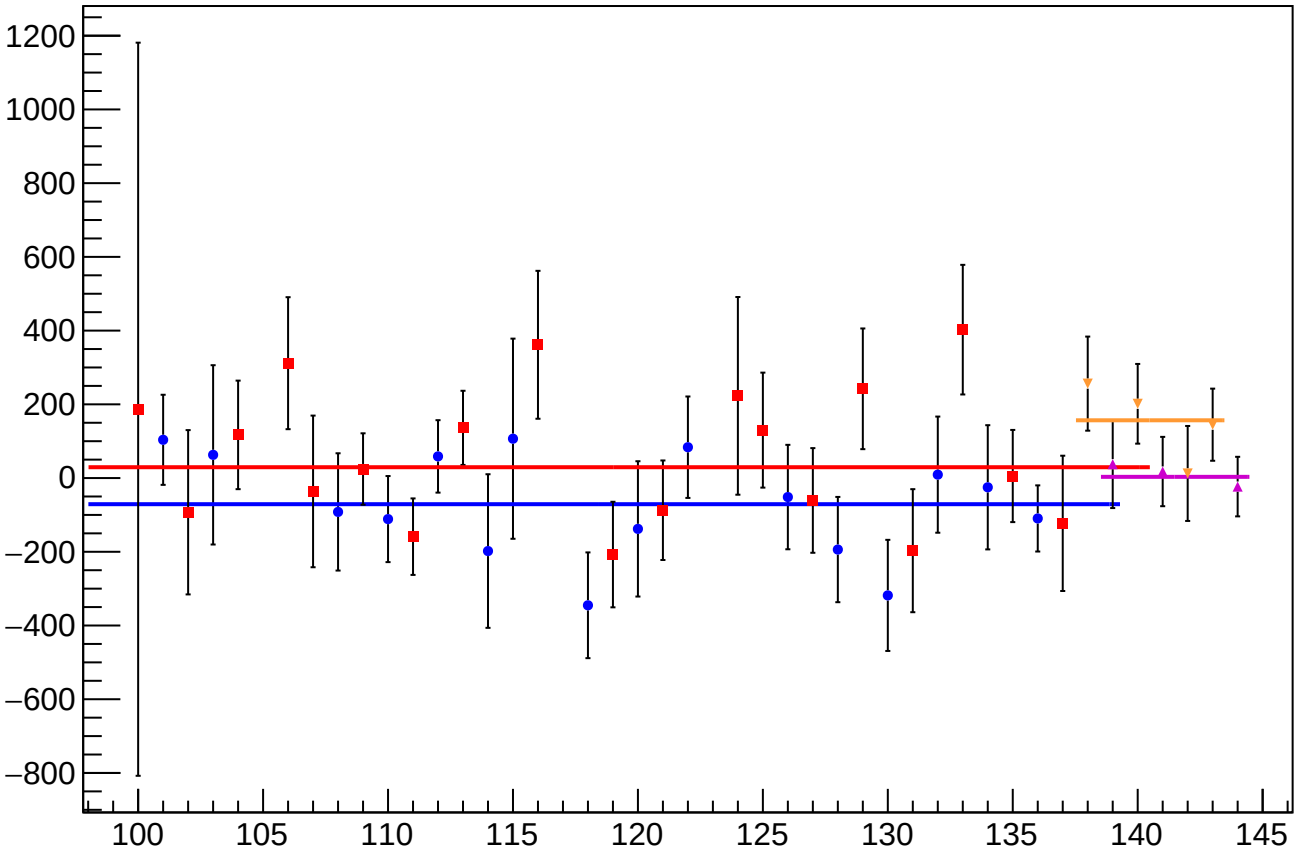
Left: 0.000+/-0.000 χ^2/NDF: 342422.4/6

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2819684.5/18

Out: 0.000+/-0.000 χ^2/NDF:3020501.1/22

All: 0.000+/-0.000 χ^2/NDF: 5853572.5/41



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.702+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 3.296+/-54.488 χ^2/NDF:0.2/2

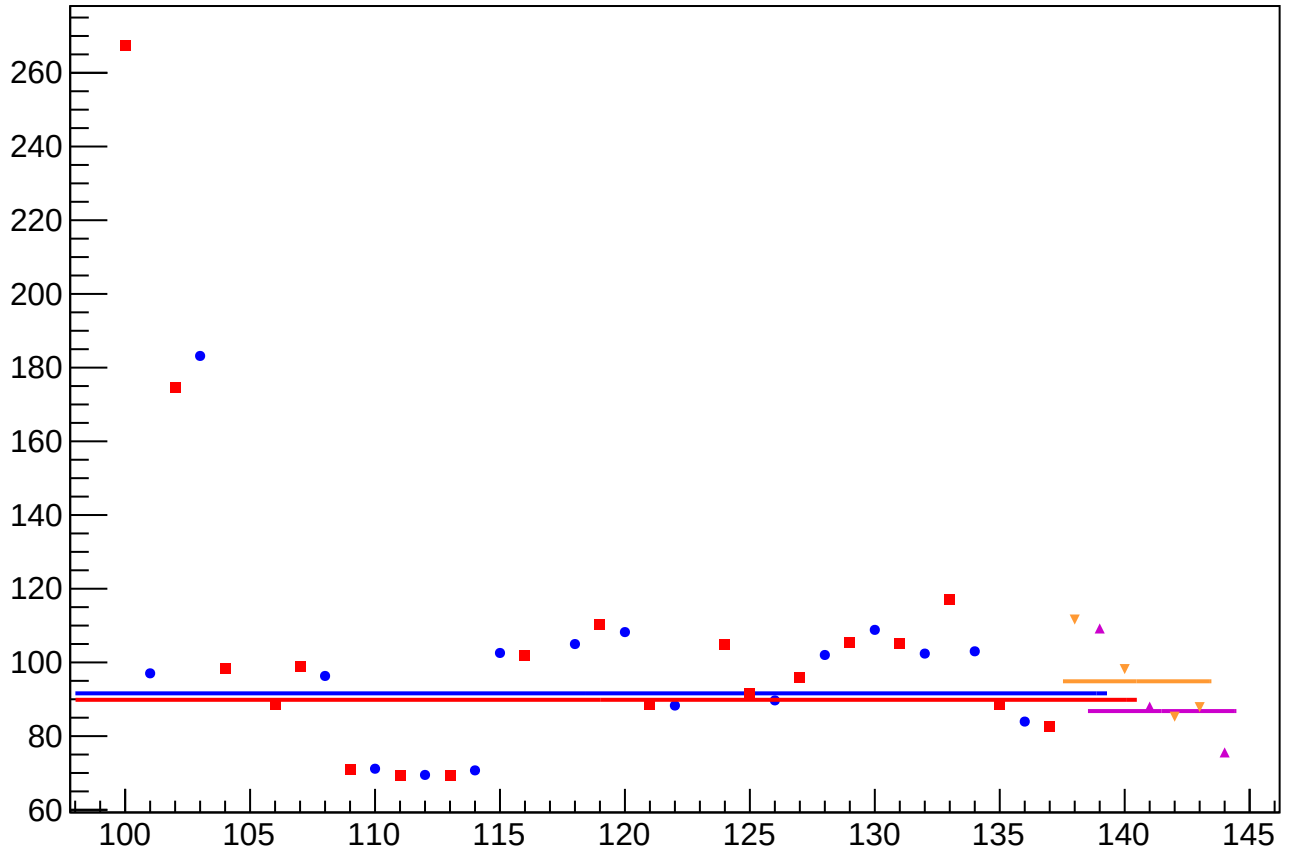
Left: 77.026+/-39.269 χ^2/NDF: 6.1/6

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -49.116+/-29.521 χ^2/NDF:15.6/18

Out: 63.480+/-29.304 χ^2/NDF:29.8/22

All: 7.597+/-20.797 χ^2/NDF: 52.7/41



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

Left: 90.682+/-0.028 χ^2/NDF: 188695.5/6

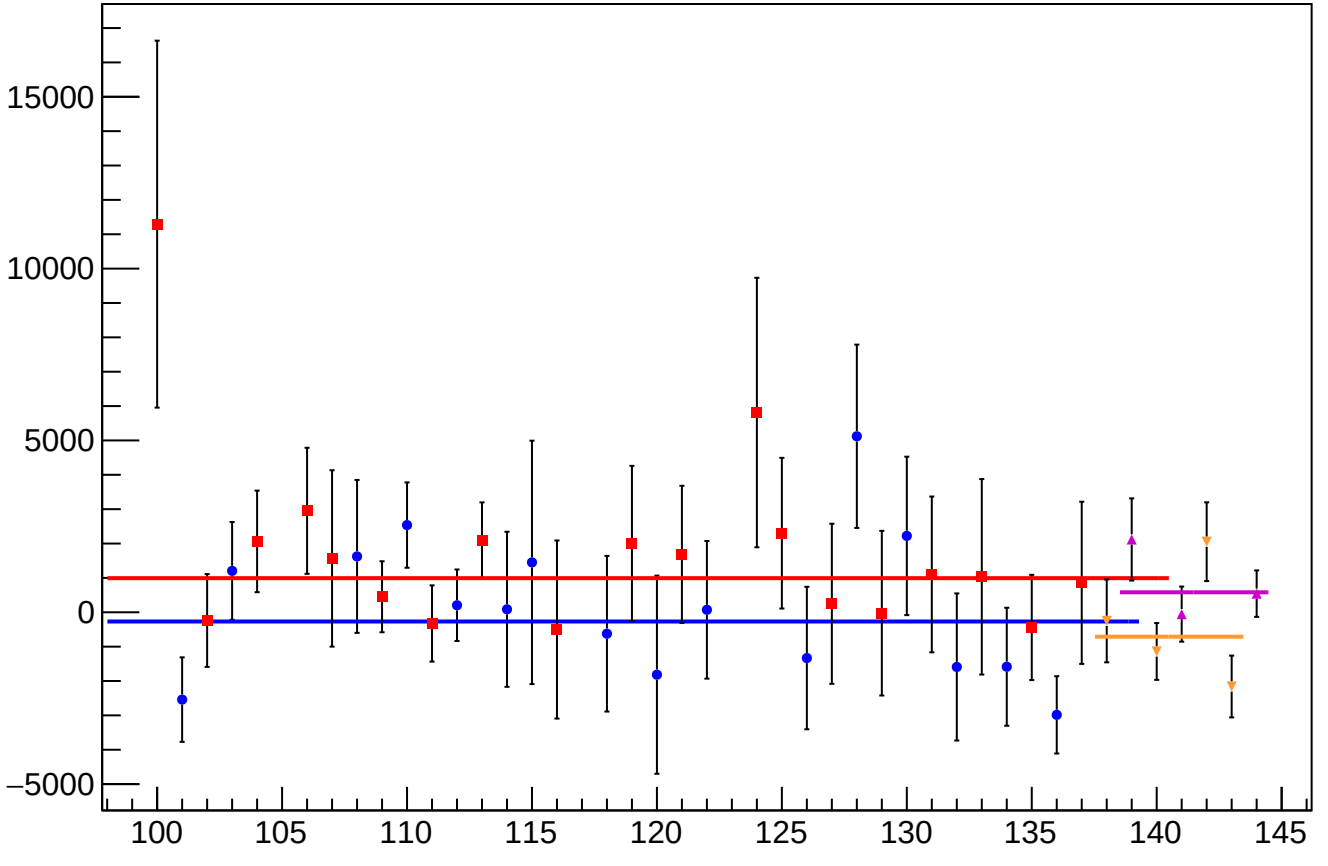
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.197+/-0.021 χ^2/NDF:701507.6/18

Out: 91.199+/-0.021 χ^2/NDF:815544.8/22

All: 90.702+/-0.015 χ^2/NDF: 1518213.9/41

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: -710.617+/-490.896 χ^2/NDF:8.8/3

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 581.395+/-474.247 χ^2/NDF:2.3/2

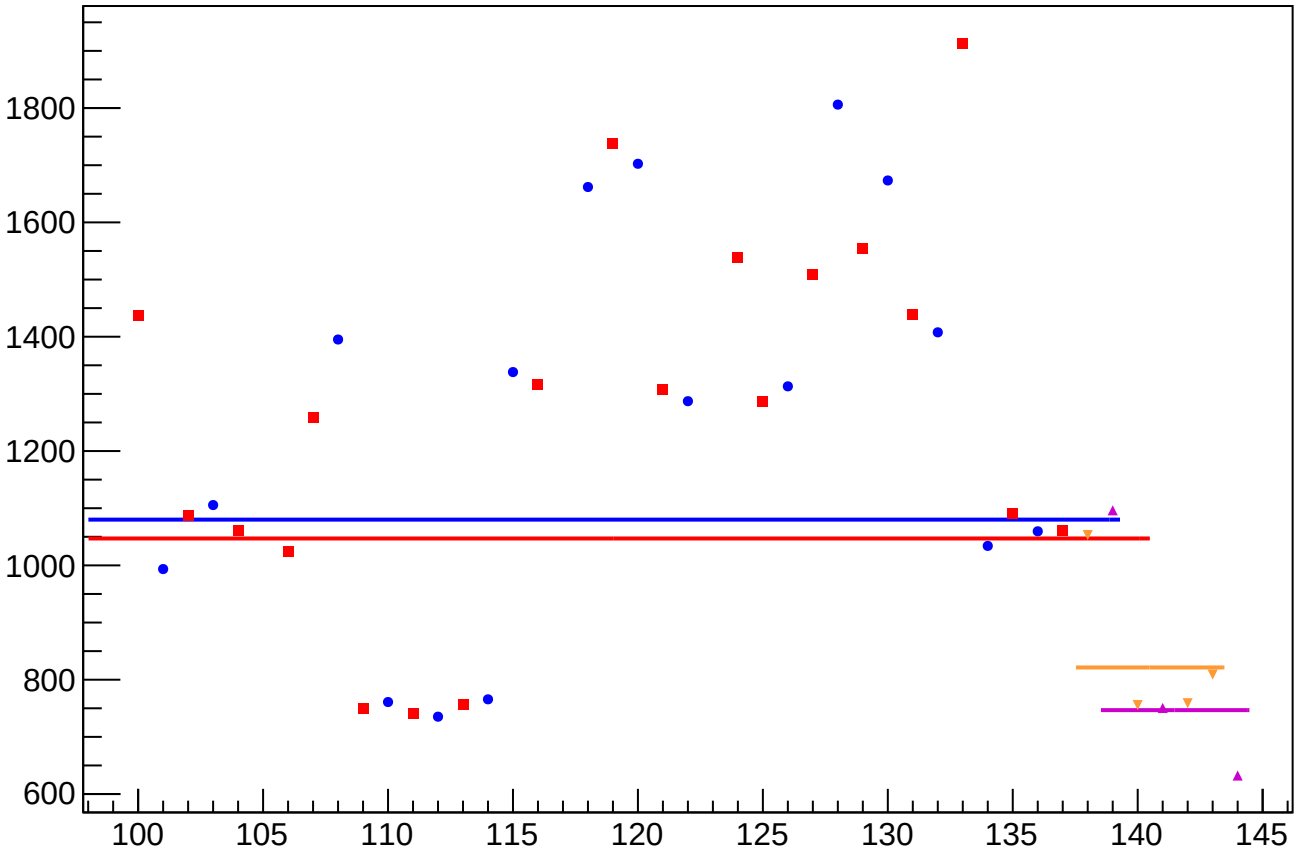
Left: -42.330+/-341.077 χ^2/NDF: 14.7/6

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 104.668+/-314.245 χ^2/NDF:27.5/18

Out: 311.336+/-310.474 χ^2/NDF:28.7/22

All: 209.249+/-220.860 χ^2/NDF: 56.5/41



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 821.433+/-0.347 χ^2/NDF:92875.3/3

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 746.775+/-0.335 χ^2/NDF:228210.7/2

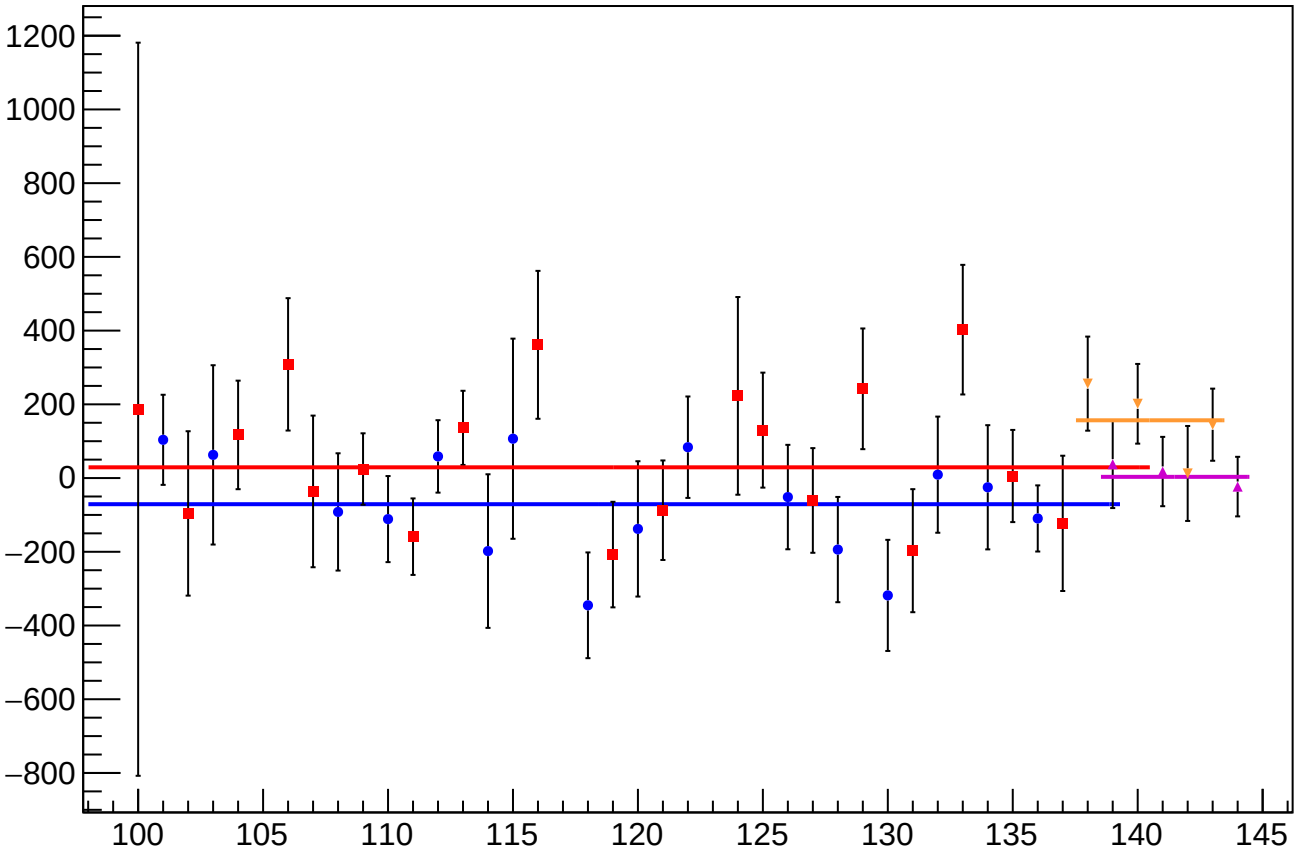
Left: 782.816+/-0.241 χ^2/NDF: 345013.5/6

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 933.718+/-0.222 χ^2/NDF:1835701.3/18

Out: 956.811+/-0.220 χ^2/NDF:1545038.5/22

All: 945.404+/-0.156 χ^2/NDF: 3386205.4/41



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 3.298+/-54.488 χ^2/NDF:0.2/2

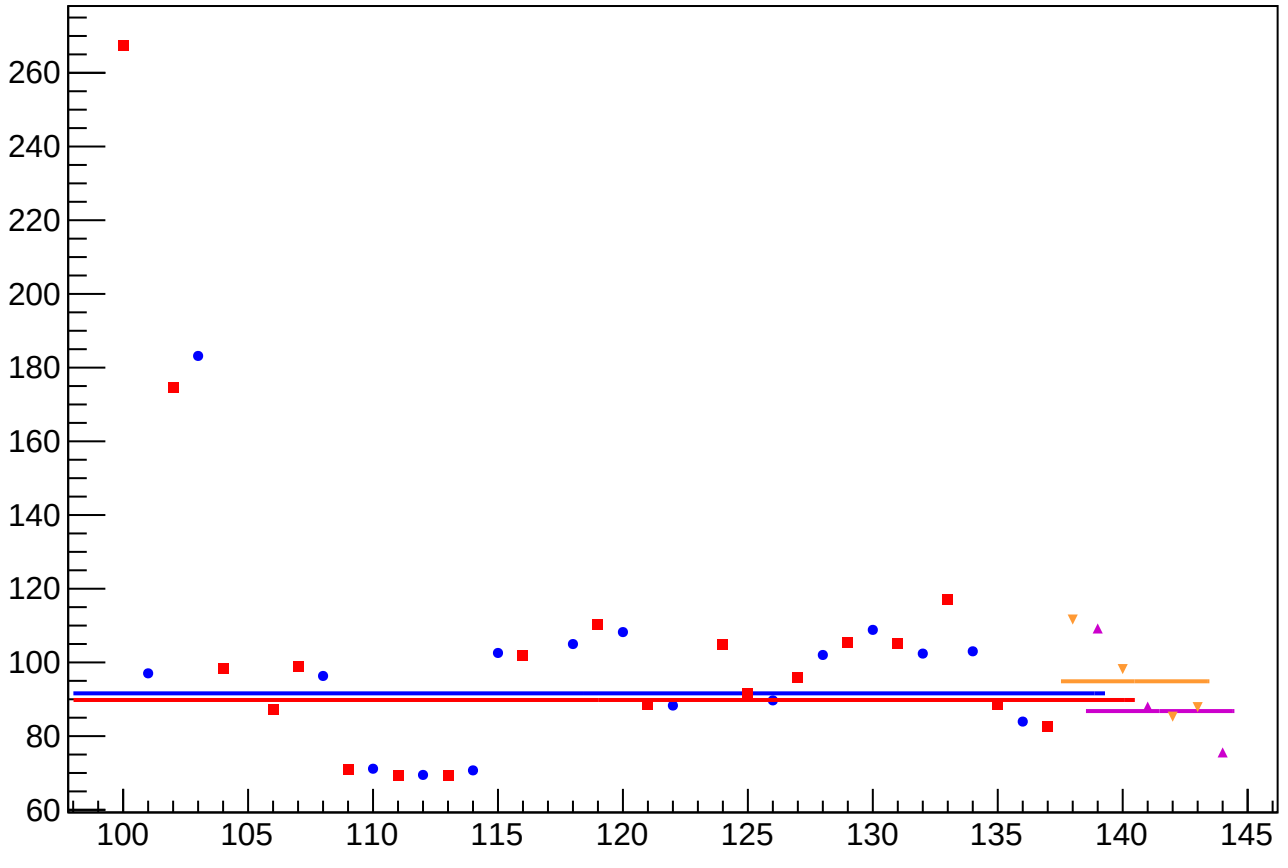
Left: 77.032+/-39.269 χ^2/NDF: 6.1/6

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -49.123+/-29.521 χ^2/NDF:15.6/18

Out: 63.305+/-29.307 χ^2/NDF:29.7/22

All: 7.500+/-20.798 χ^2/NDF: 52.6/41



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

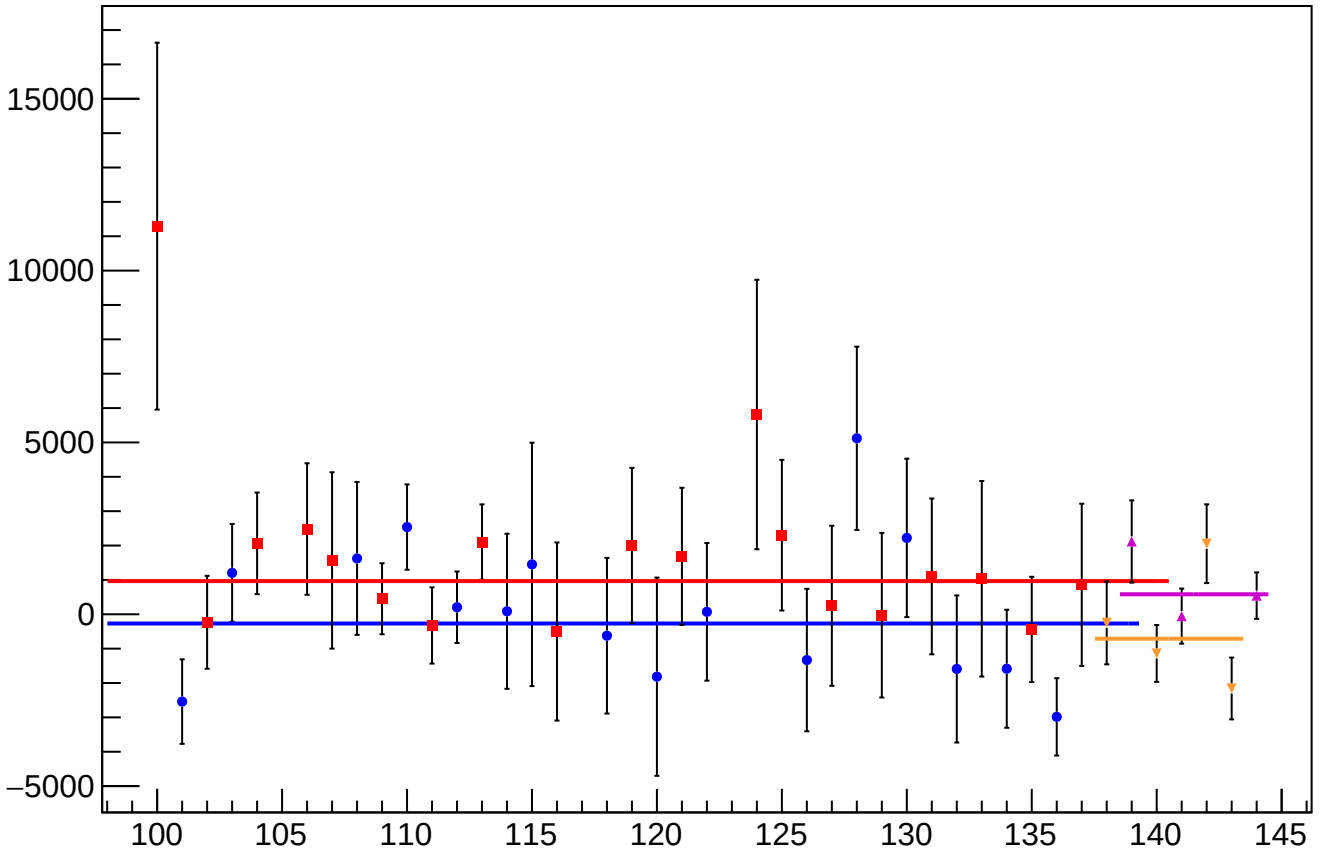
Left: 90.682+/-0.028 χ^2/NDF: 188695.5/6

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.197+/-0.021 χ^2/NDF:701510.7/18

Out: 91.165+/-0.021 χ^2/NDF:816307.1/22

All: 90.684+/-0.015 χ^2/NDF: 1518900.6/41



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 581.407+/-474.247 χ^2/NDF:2.3/2

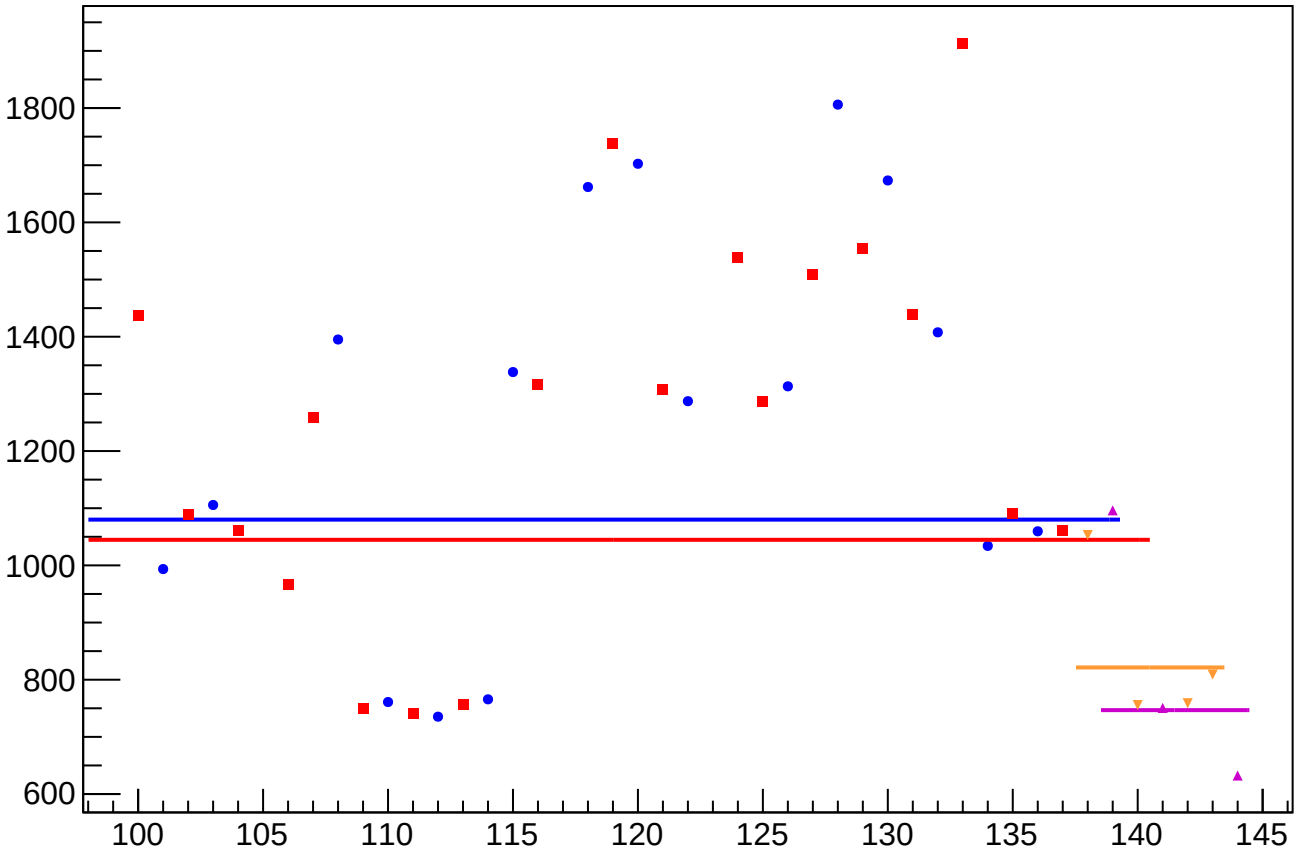
Left: -42.317+/-341.077 χ^2/NDF: 14.7/6

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 104.664+/-314.247 χ^2/NDF:27.5/18

Out: 293.110+/-310.849 χ^2/NDF:27.9/22

All: 199.911+/-220.995 χ^2/NDF: 55.6/41



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 746.775+/-0.335 χ^2/NDF:228210.1/2

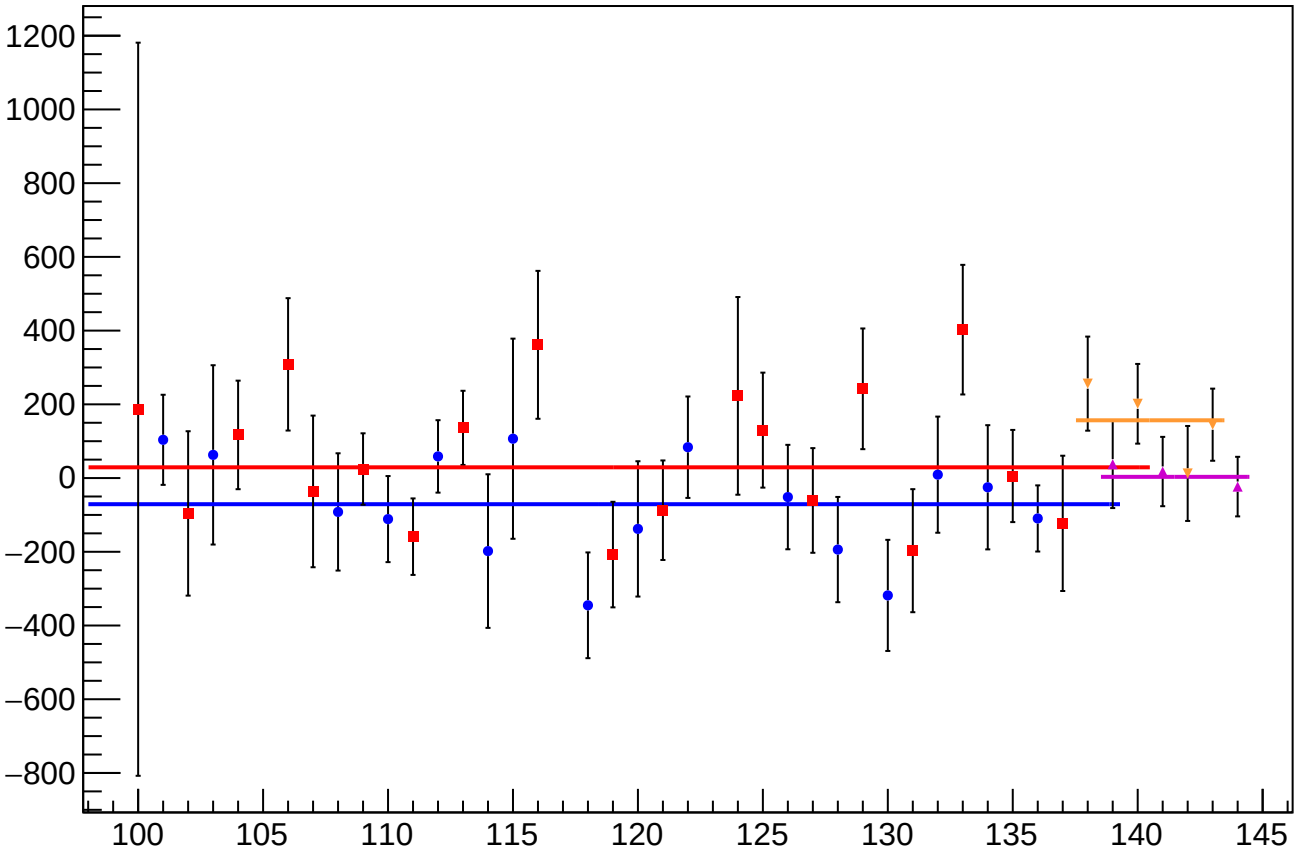
Left: 782.816+/-0.241 χ^2/NDF: 345012.0/6

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 933.722+/-0.222 χ^2/NDF:1835729.8/18

Out: 955.184+/-0.220 χ^2/NDF:1542563.7/22

All: 944.569+/-0.156 χ^2/NDF: 3383008.9/41



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 3.298+/-54.488 χ^2/NDF:0.2/2

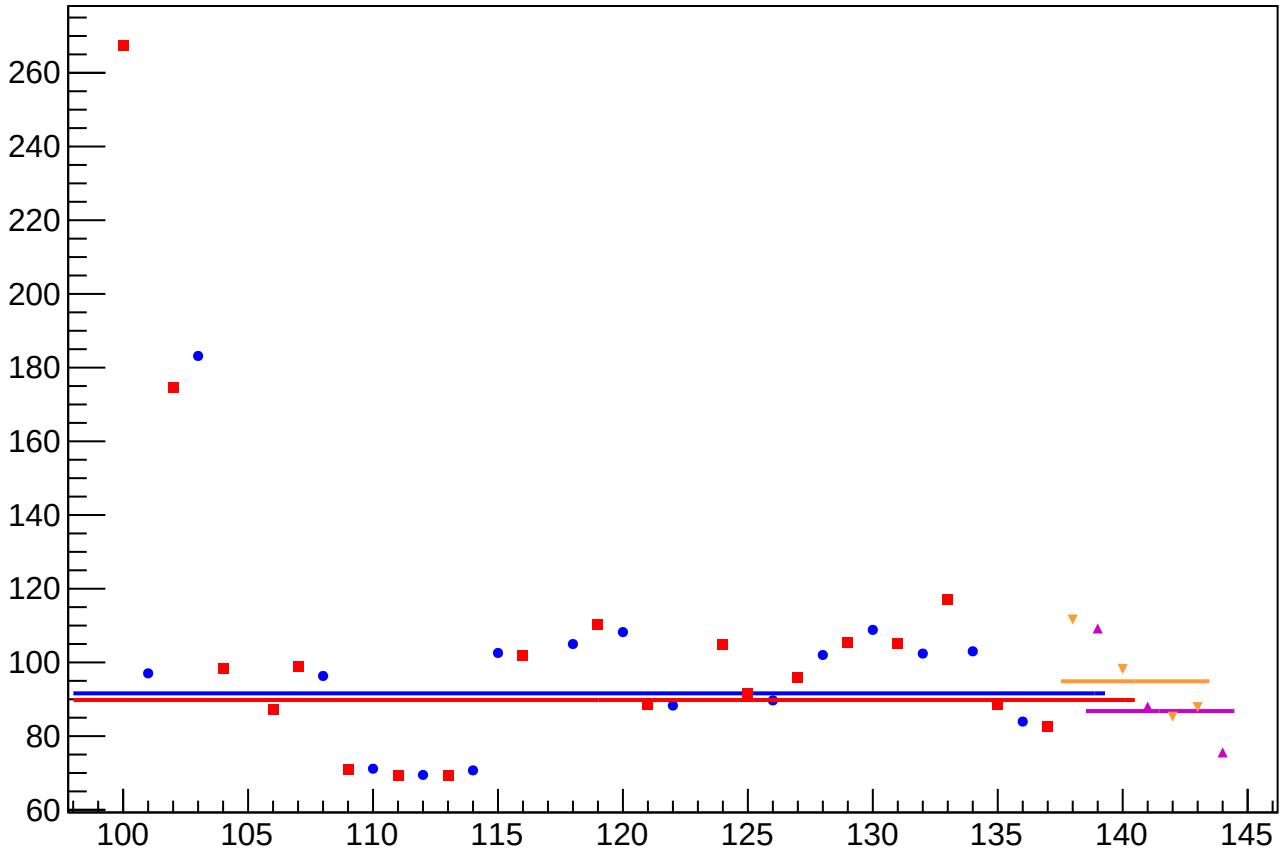
Left: 77.032+/-39.269 χ^2/NDF: 6.1/6

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -49.123+/-29.521 χ^2/NDF:15.6/18

Out: 63.305+/-29.307 χ^2/NDF:29.7/22

All: 7.500+/-20.798 χ^2/NDF: 52.6/41



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 86.800+/-0.039 χ^2/NDF:109832.3/2

Left: 90.682+/-0.028 χ^2/NDF: 188695.5/6

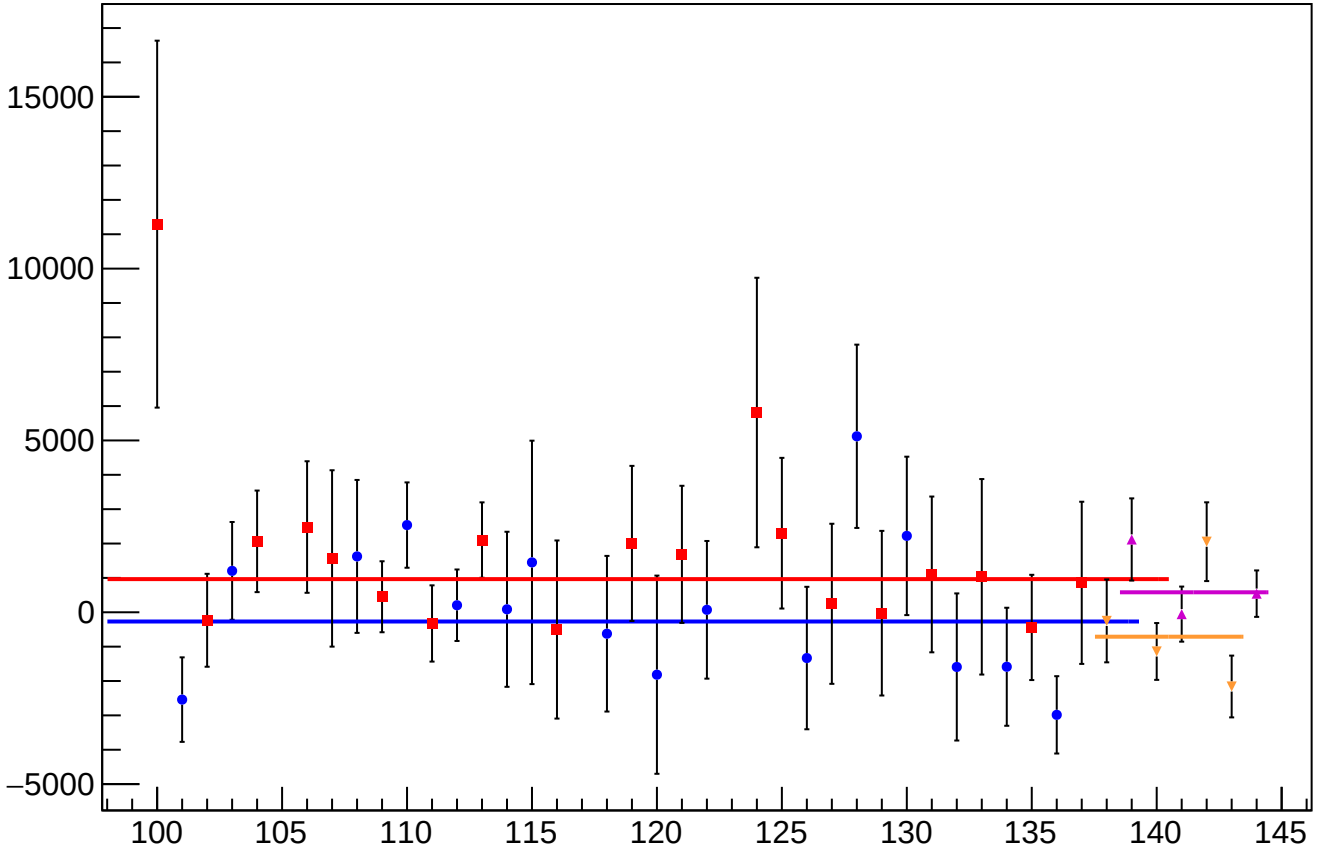
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.197+/-0.021 χ^2/NDF:701510.7/18

Out: 91.165+/-0.021 χ^2/NDF:816307.1/22

All: 90.684+/-0.015 χ^2/NDF: 1518900.6/41

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 581.407+/-474.247 χ^2/NDF:2.3/2

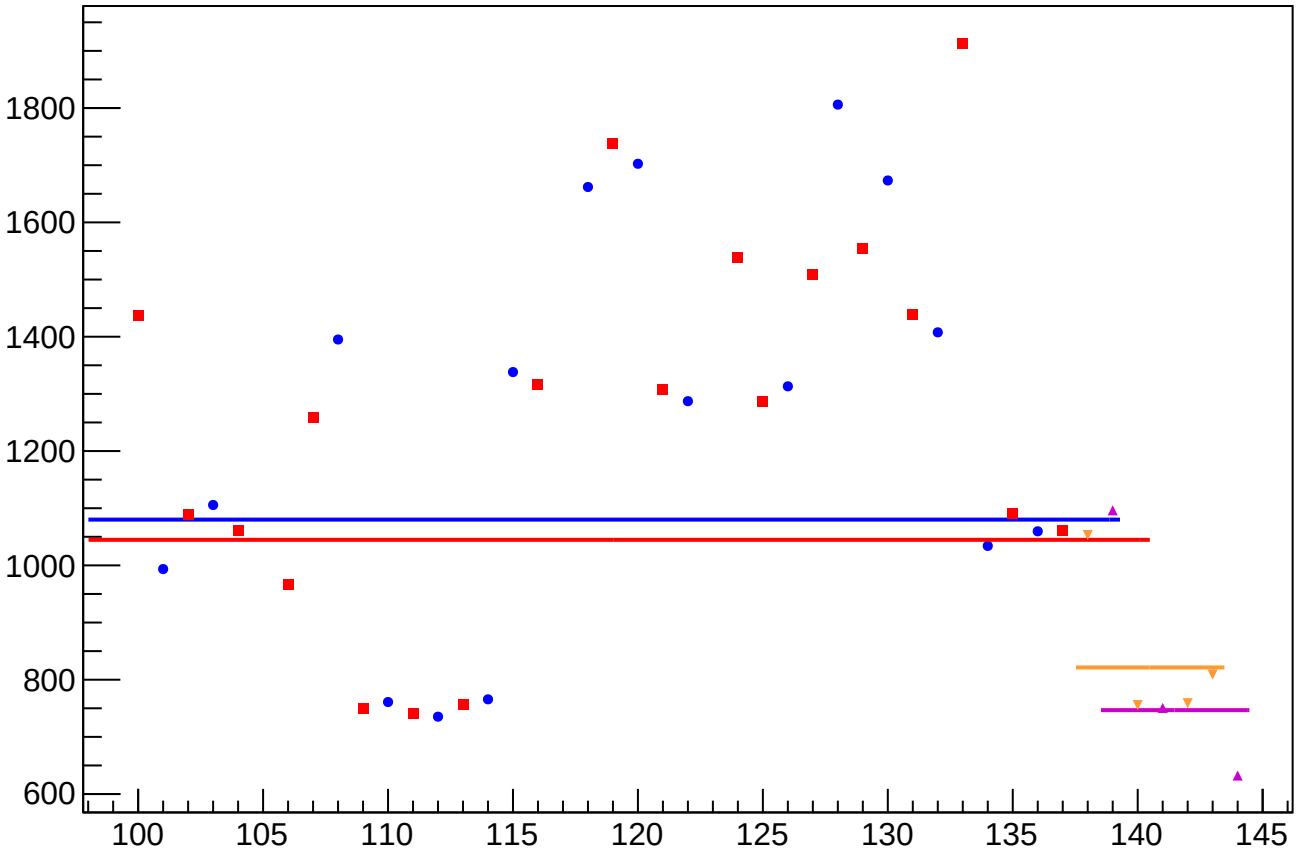
Left: -42.317+/-341.077 χ^2/NDF: 14.7/6

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 104.664+/-314.247 χ^2/NDF:27.5/18

Out: 293.110+/-310.849 χ^2/NDF:27.9/22

All: 199.911+/-220.995 χ^2/NDF: 55.6/41



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 746.775+/-0.335 χ^2/NDF:228210.1/2

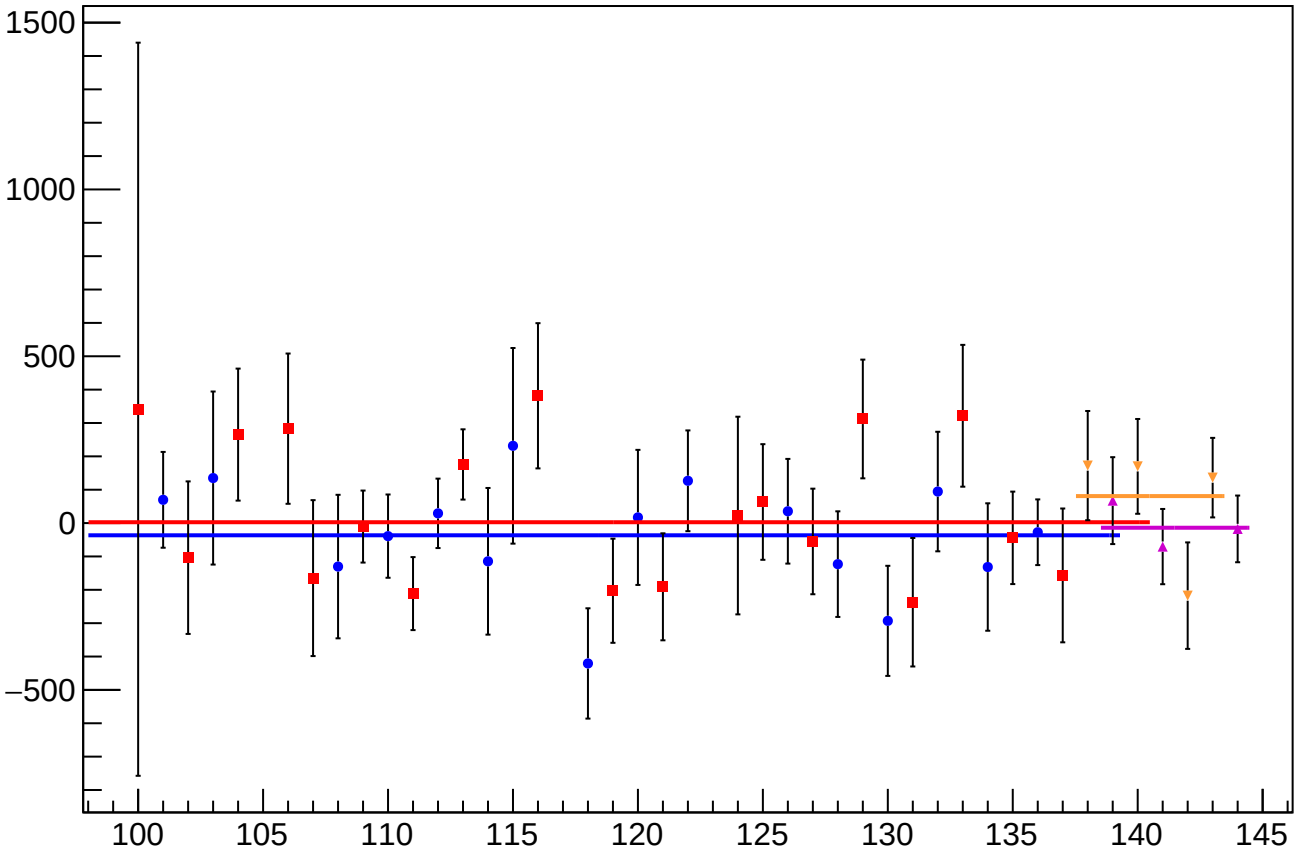
Left: 782.816+/-0.241 χ^2/NDF: 345012.0/6

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 933.722+/-0.222 χ^2/NDF:1835729.8/18

Out: 955.184+/-0.220 χ^2/NDF:1542563.7/22

All: 944.569+/-0.156 χ^2/NDF: 3383008.9/41



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.904+/-71.334 χ^2/NDF:4.4/3

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: -13.951+/-64.870 χ^2/NDF:0.6/2

Left: 28.985+/-47.993 χ^2/NDF: 6.0/6

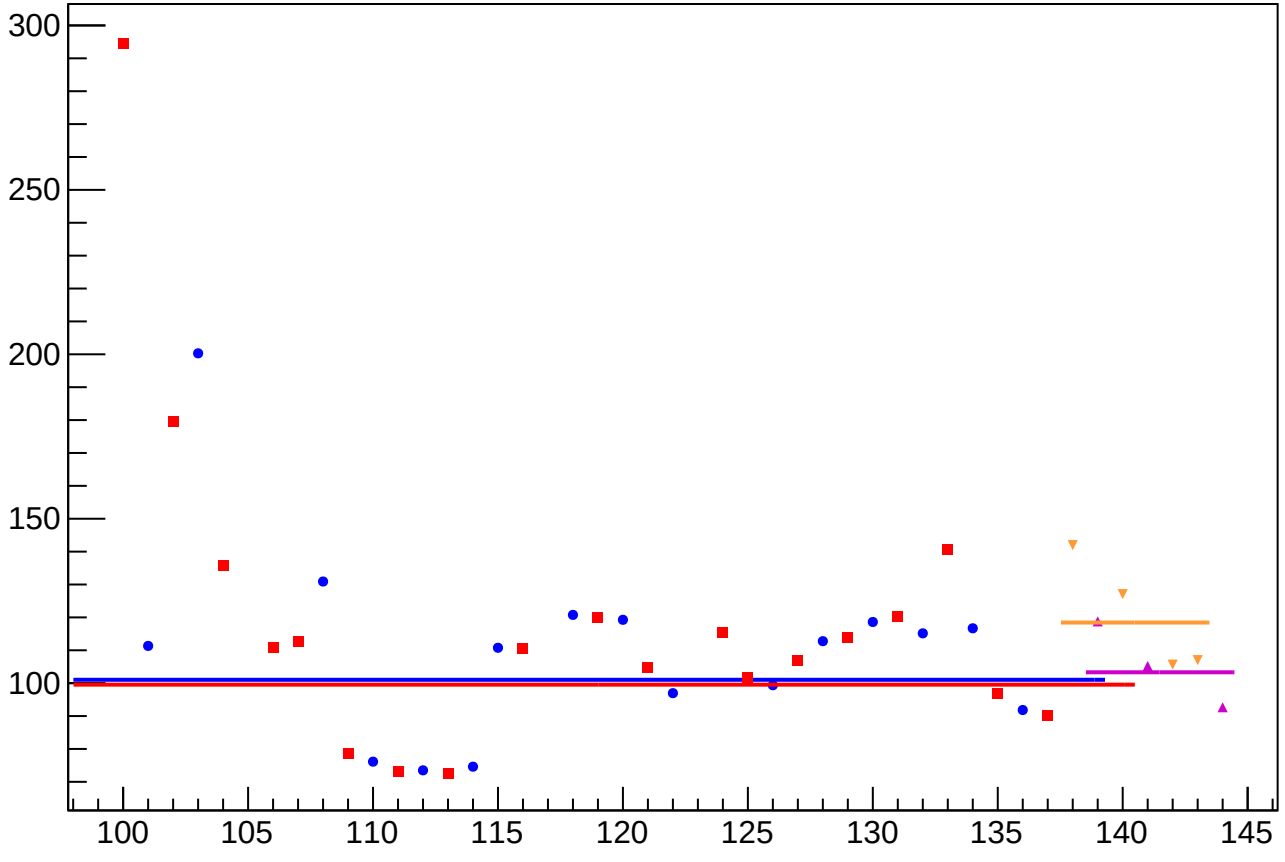
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -30.582+/-33.419 χ^2/NDF:13.6/18

Out: 20.001+/-33.651 χ^2/NDF:30.1/22

All: -5.466+/-23.712 χ^2/NDF: 44.9/41

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 118.432+/-0.050 χ^2/NDF:80044.7/3

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.309+/-0.046 χ^2/NDF:51480.2/2

Left: 110.155+/-0.034 χ^2/NDF: 180727.2/6

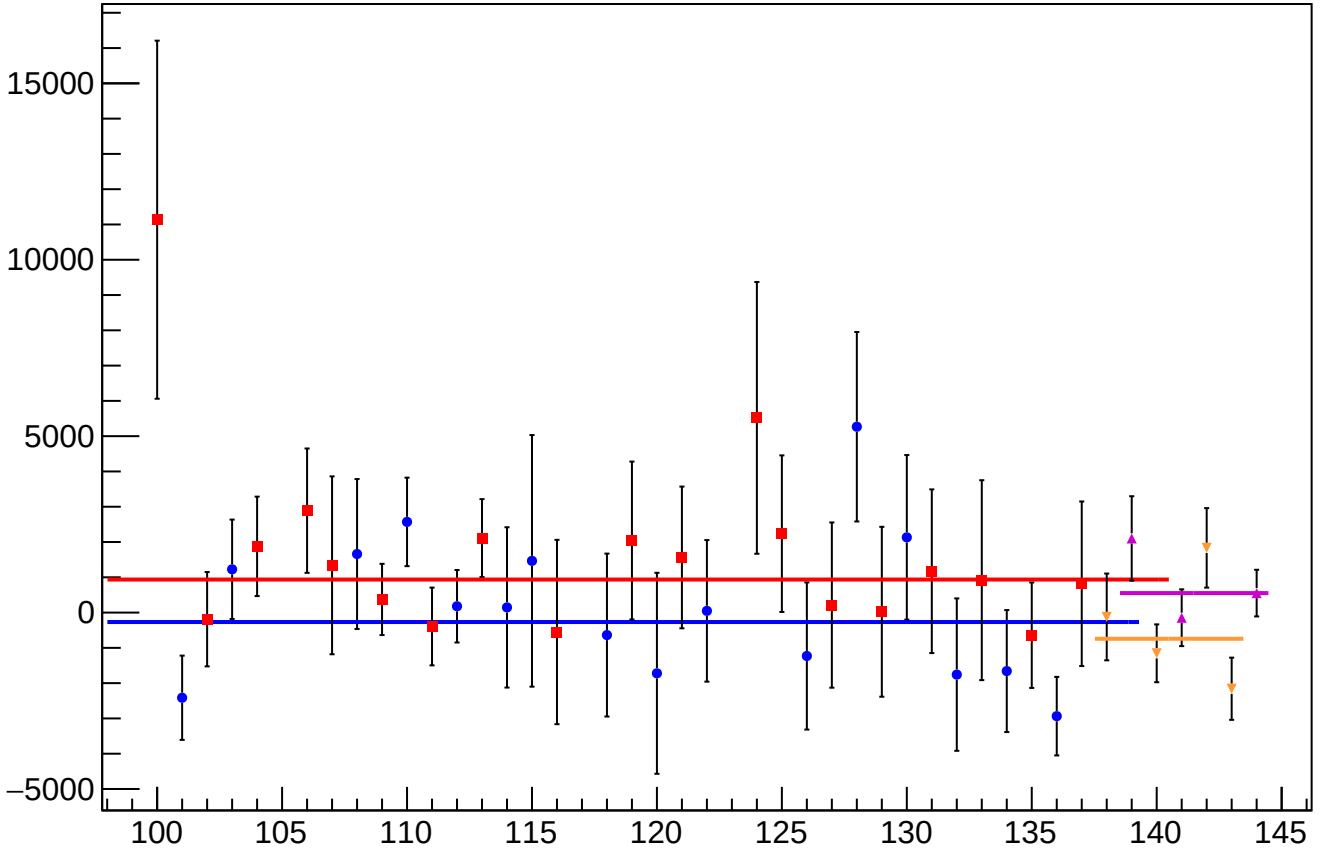
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 101.636+/-0.024 χ^2/NDF:769388.2/18

Out: 103.750+/-0.024 χ^2/NDF:1069527.2/22

All: 102.685+/-0.017 χ^2/NDF: 1842889.4/41

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -741.922+/-486.503 χ^2/NDF:8.3/3

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 552.590+/-469.705 χ^2/NDF:2.4/2

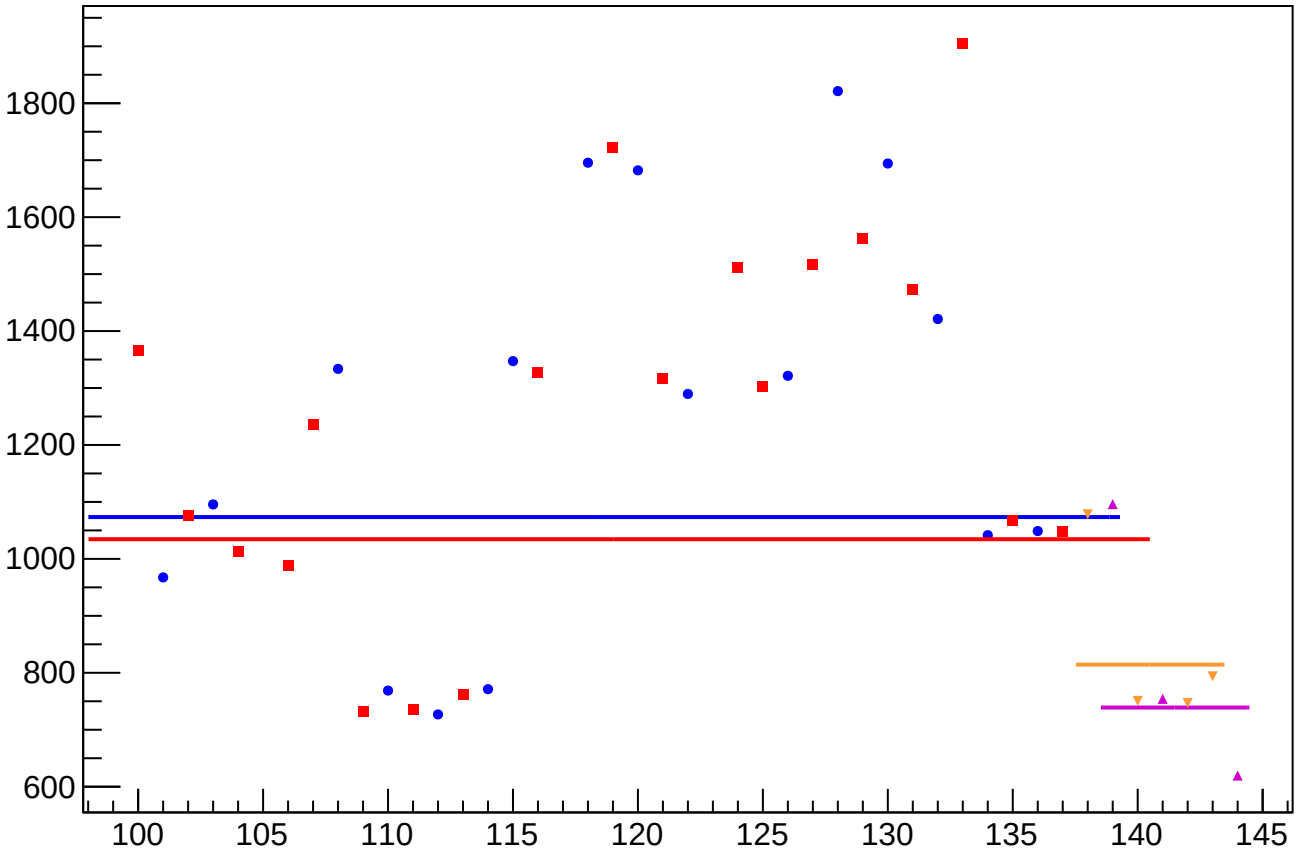
Left: -71.933+/-337.914 χ^2/NDF: 14.4/6

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 93.814+/-311.865 χ^2/NDF:27.6/18

Out: 267.287+/-307.229 χ^2/NDF:28.6/22

All: 181.850+/-218.864 χ^2/NDF: 56.4/41



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 814.307+/-0.344 χ^2/NDF:112551.7/3

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 739.015+/-0.332 χ^2/NDF:244181.1/2

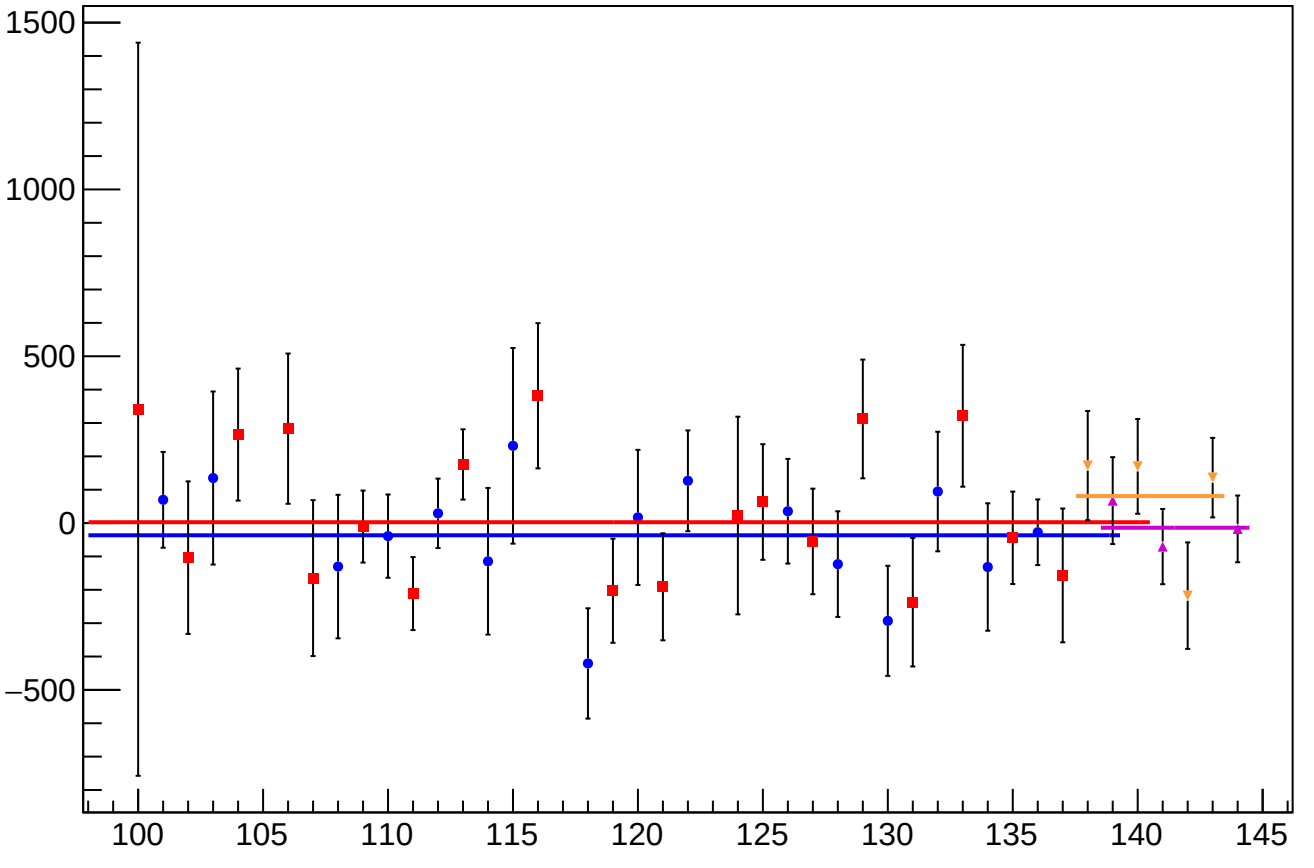
Left: 775.339+/-0.239 χ^2/NDF: 381525.4/6

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 926.020+/-0.221 χ^2/NDF:1888196.8/18

Out: 946.708+/-0.217 χ^2/NDF:1588286.8/22

All: 936.519+/-0.155 χ^2/NDF: 3480950.2/41



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.905+/-71.334 χ^2/NDF:4.4/3

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: -13.950+/-64.870 χ^2/NDF:0.6/2

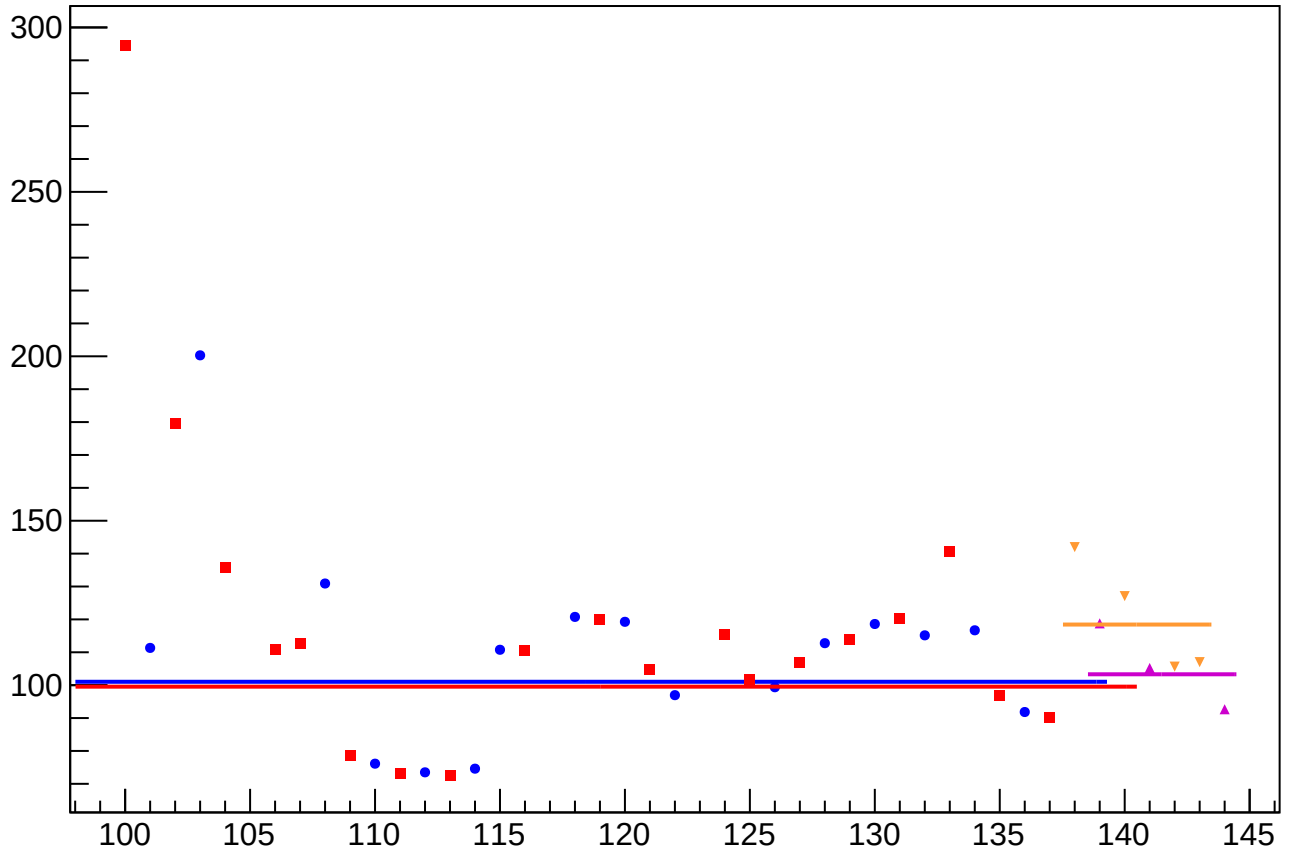
Left: 28.986+/-47.993 χ^2/NDF: 6.0/6

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -30.581+/-33.419 χ^2/NDF:13.6/18

Out: 19.999+/-33.651 χ^2/NDF:30.1/22

All: -5.466+/-23.712 χ^2/NDF: 44.9/41



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 118.433+/-0.050 χ^2/NDF:80041.6/3

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.310+/-0.046 χ^2/NDF:51477.9/2

Left: 110.155+/-0.034 χ^2/NDF: 180722.0/6

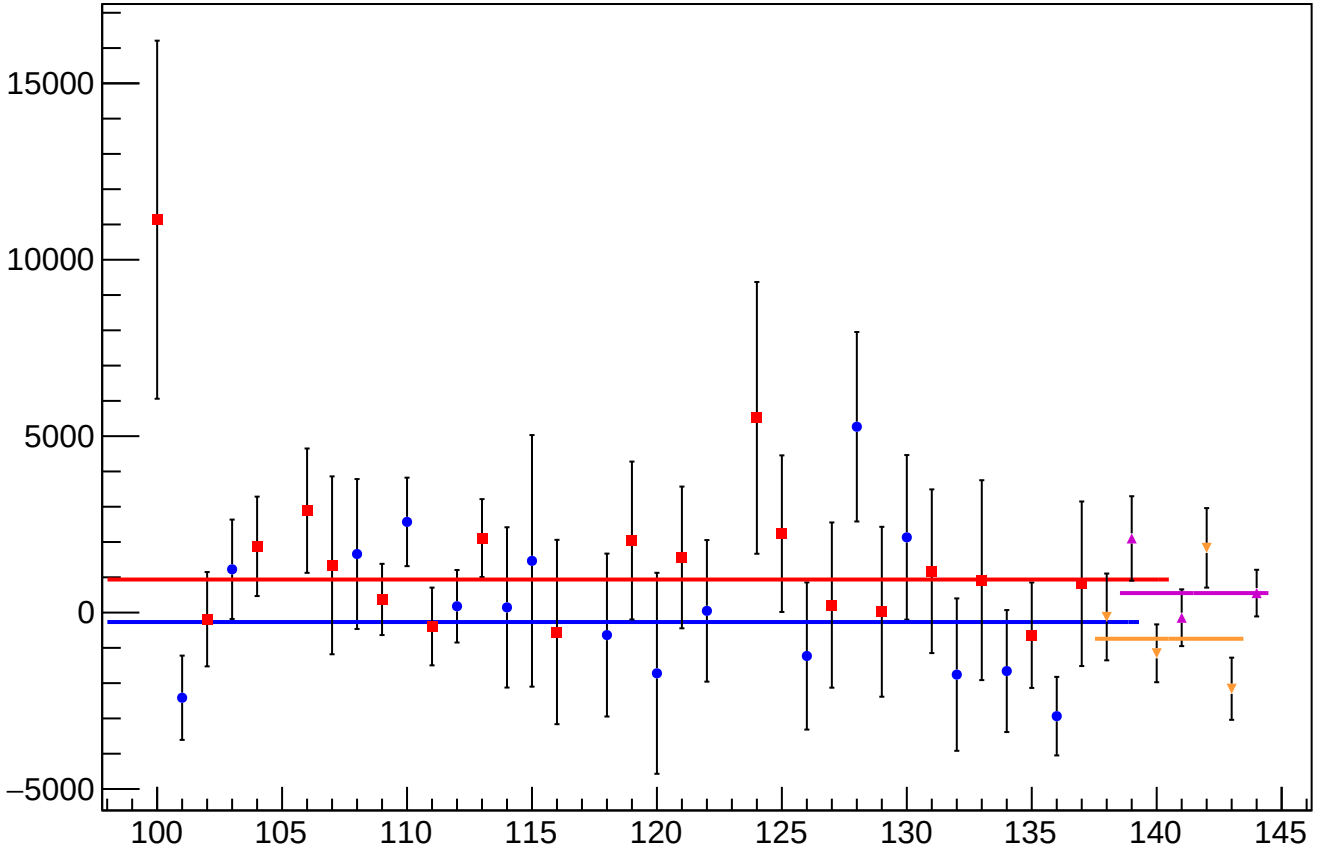
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 101.636+/-0.024 χ^2/NDF:769384.9/18

Out: 103.750+/-0.024 χ^2/NDF:1069529.3/22

All: 102.686+/-0.017 χ^2/NDF: 1842888.2/41

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: -741.924+/-486.502 χ^2/NDF:8.3/3

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 552.590+/-469.705 χ^2/NDF:2.4/2

Left: -71.934+/-337.914 χ^2/NDF: 14.4/6

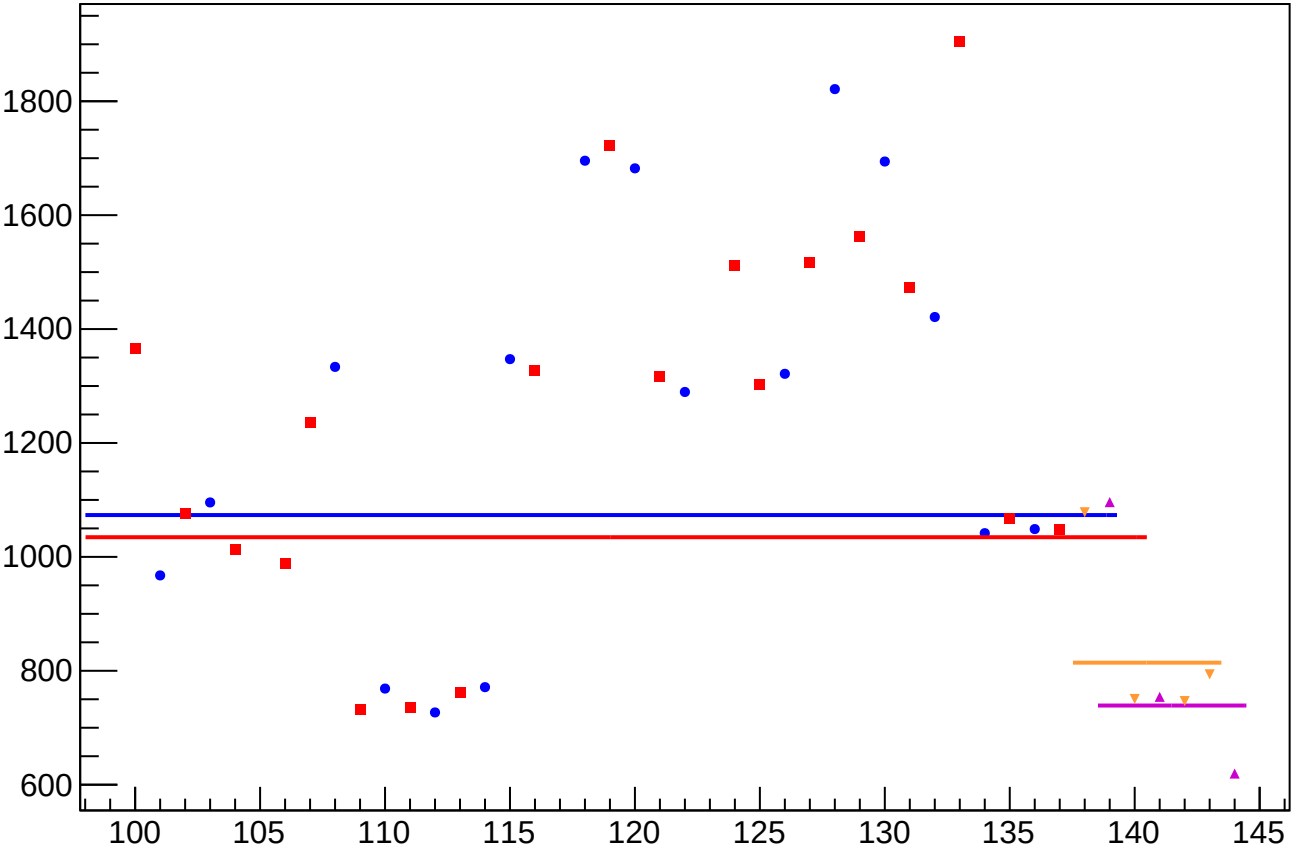
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 93.815+/-311.865 χ^2/NDF:27.6/18

Out: 267.286+/-307.228 χ^2/NDF:28.6/22

All: 181.849+/-218.864 χ^2/NDF: 56.4/41

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: 814.306+/-0.344 χ^2/NDF:112551.3/3

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 739.013+/-0.332 χ^2/NDF:244181.3/2

Left: 775.337+/-0.239 χ^2/NDF: 381525.4/6

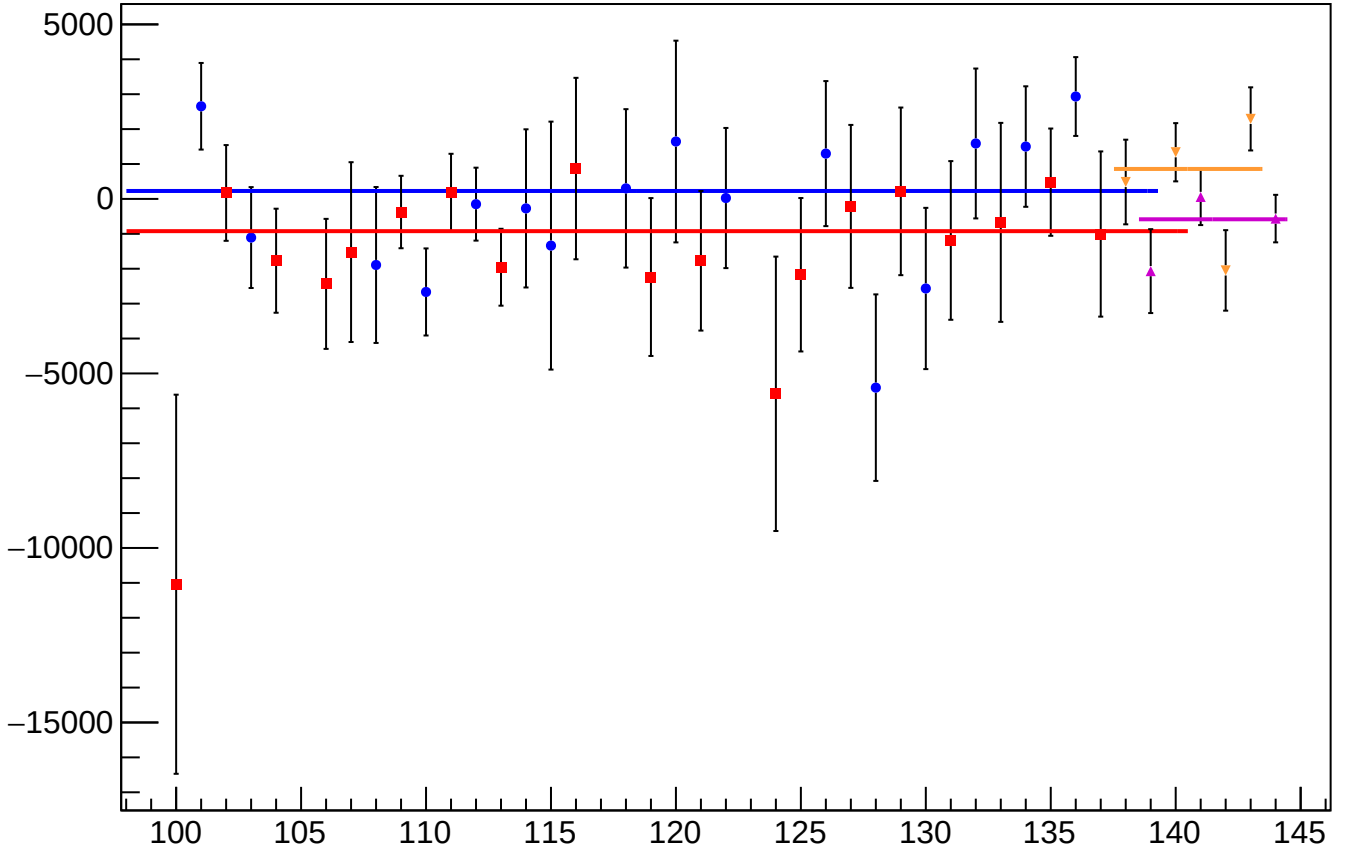
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 926.018+/-0.221 χ^2/NDF:1888201.7/18

Out: 946.707+/-0.217 χ^2/NDF:1588288.3/22

All: 936.518+/-0.155 χ^2/NDF: 3480956.6/41

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 858.707+/-494.353 χ^2/NDF:9.3/3

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -583.786+/-477.481 χ^2/NDF:2.2/2

Left: 112.425+/-343.440 χ^2/NDF: 15.9/6

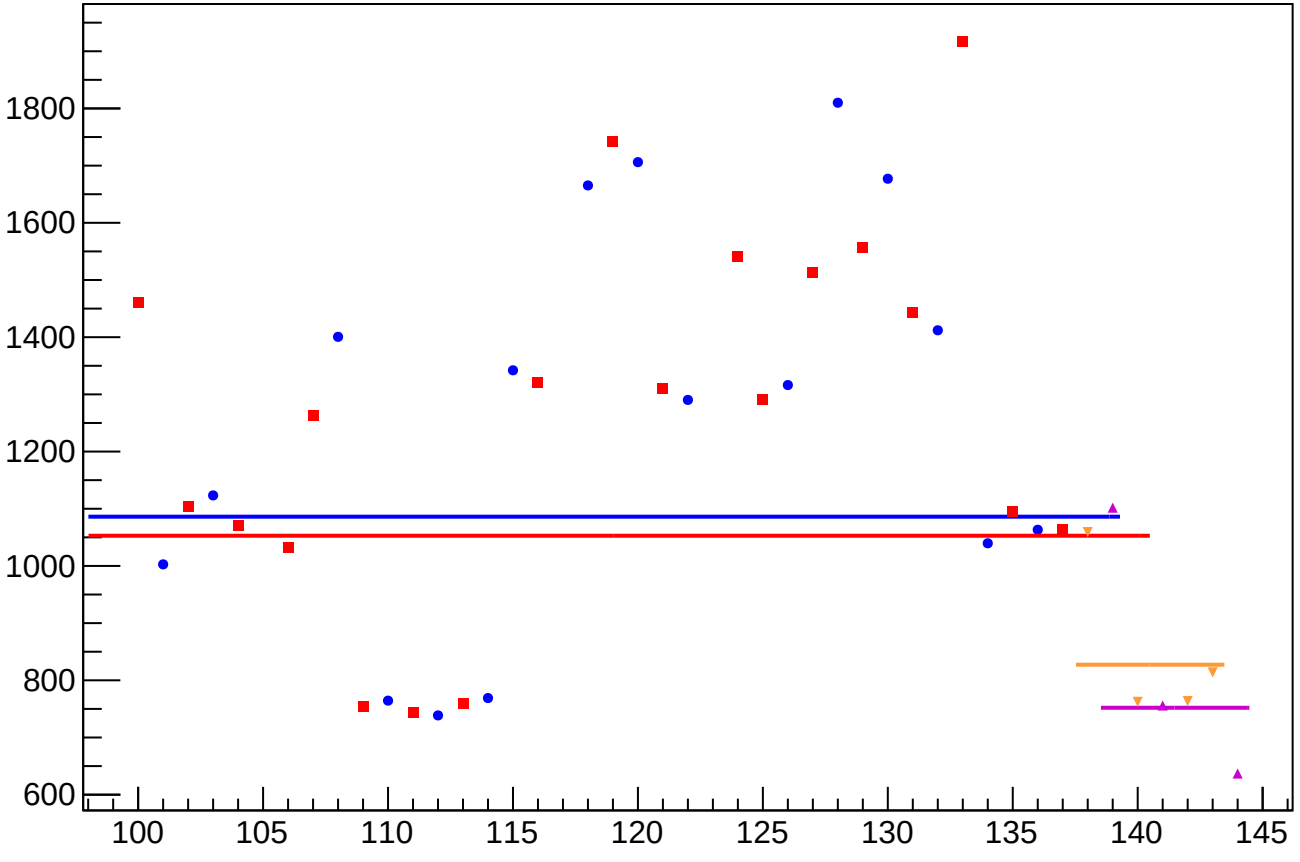
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -128.136+/-316.136 χ^2/NDF:28.2/18

Out: -211.843+/-312.407 χ^2/NDF:28.3/22

All: -170.486+/-222.212 χ^2/NDF: 56.5/41

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 827.303+/-0.350 χ^2/NDF:91814.6/3

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 752.009+/-0.338 χ^2/NDF:226607.7/2

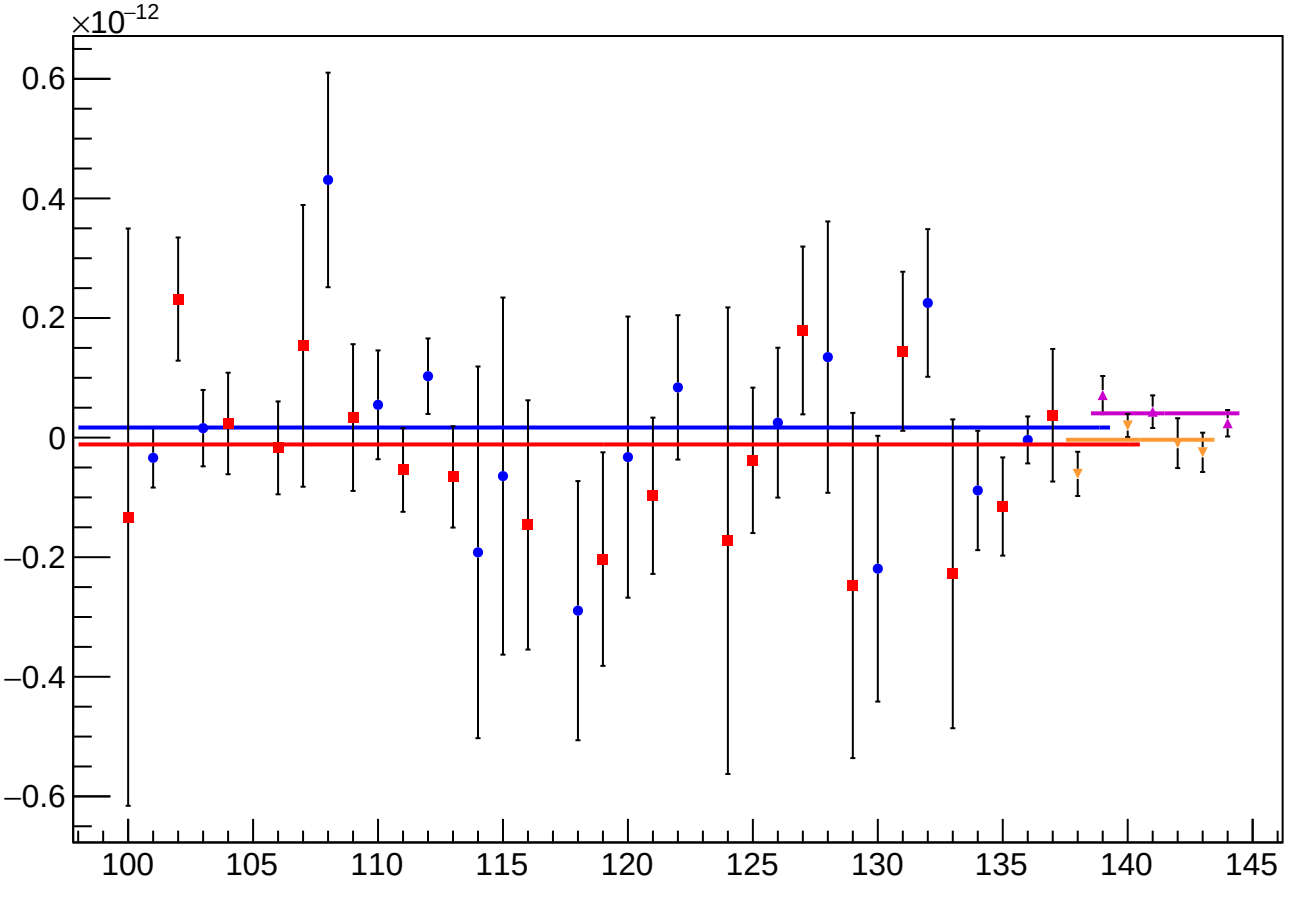
Left: 788.349+/-0.243 χ^2/NDF: 342425.7/6

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 939.668+/-0.224 χ^2/NDF:1824135.1/18

Out: 962.764+/-0.221 χ^2/NDF:1536250.5/22

All: 951.353+/-0.157 χ^2/NDF: 3365786.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

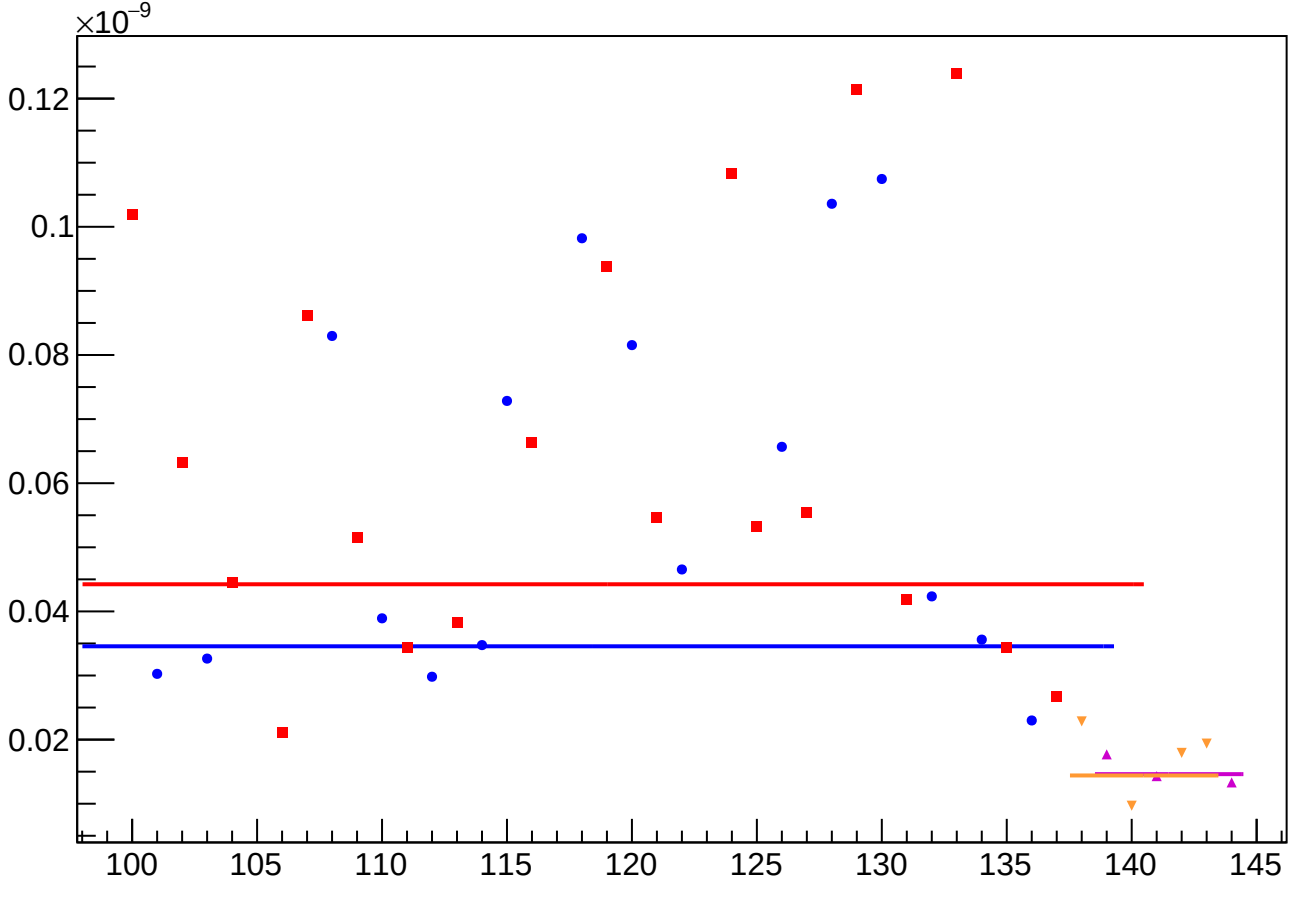
Left: 0.000+/-0.000 χ^2/NDF: 10.4/6

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:19.2/18

Out: -0.000+/-0.000 χ^2/NDF:20.2/22

All: 0.000+/-0.000 χ^2/NDF: 44.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:284726.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:25847.9/2

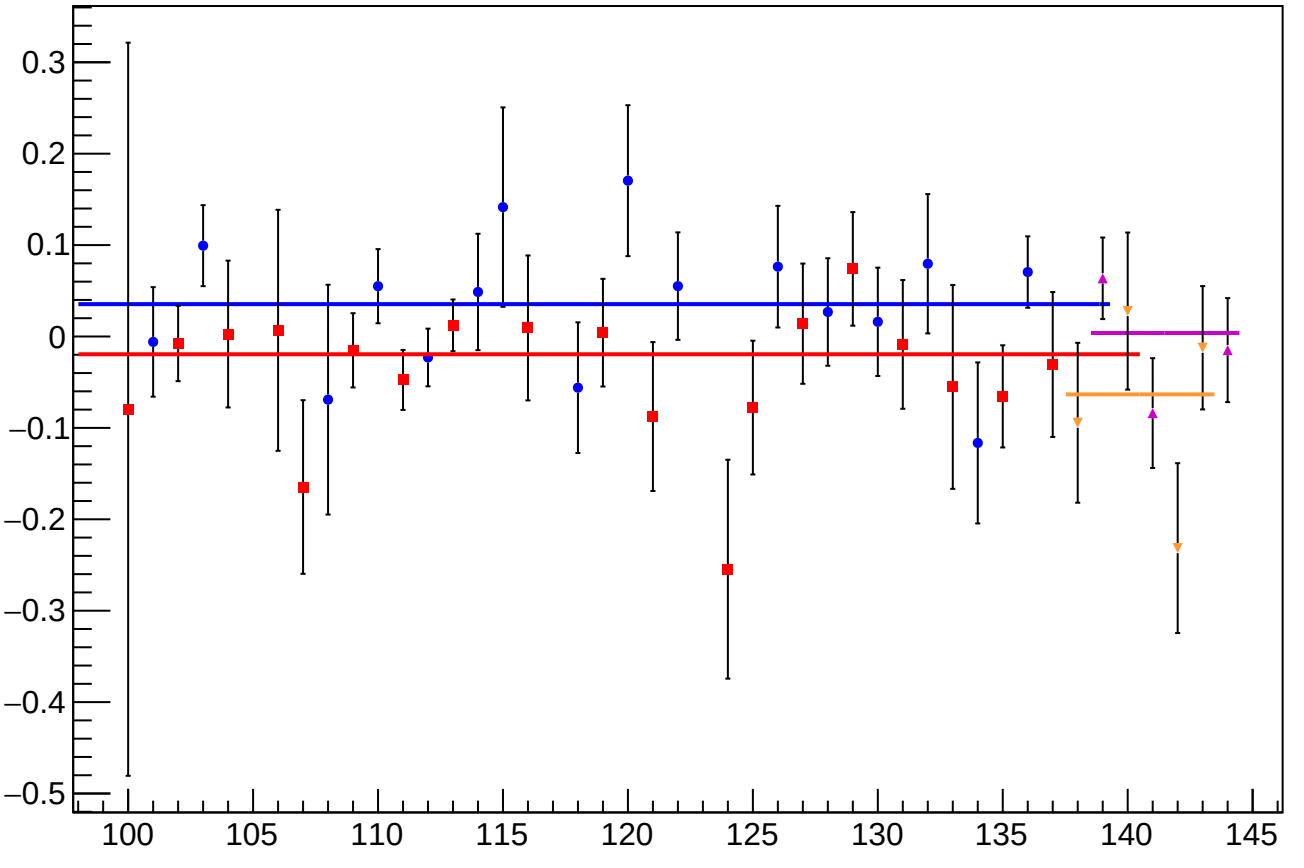
Left: 0.000+/-0.000 χ^2/NDF: 310771.3/6

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2343035.1/18

Out: 0.000+/-0.000 χ^2/NDF:3279975.3/22

All: 0.000+/-0.000 χ^2/NDF: 5623174.4/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.030 χ^2/NDF:4.0/2

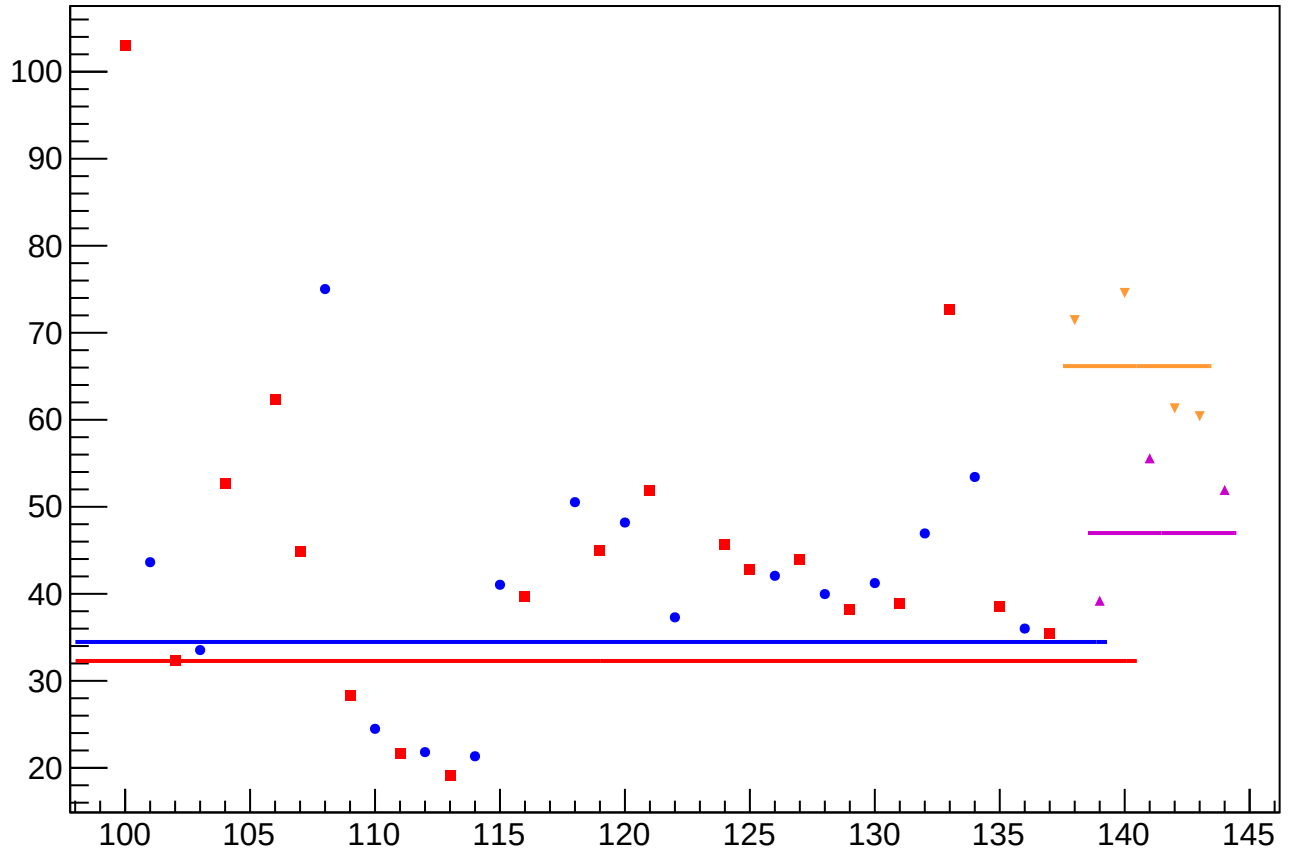
Left: -0.020+/-0.024 χ^2/NDF: 10.9/6

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.013 χ^2/NDF:21.9/18

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.5/41



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 66.170+/-0.029 χ^2/NDF:46454.4/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.987+/-0.021 χ^2/NDF:116757.7/2

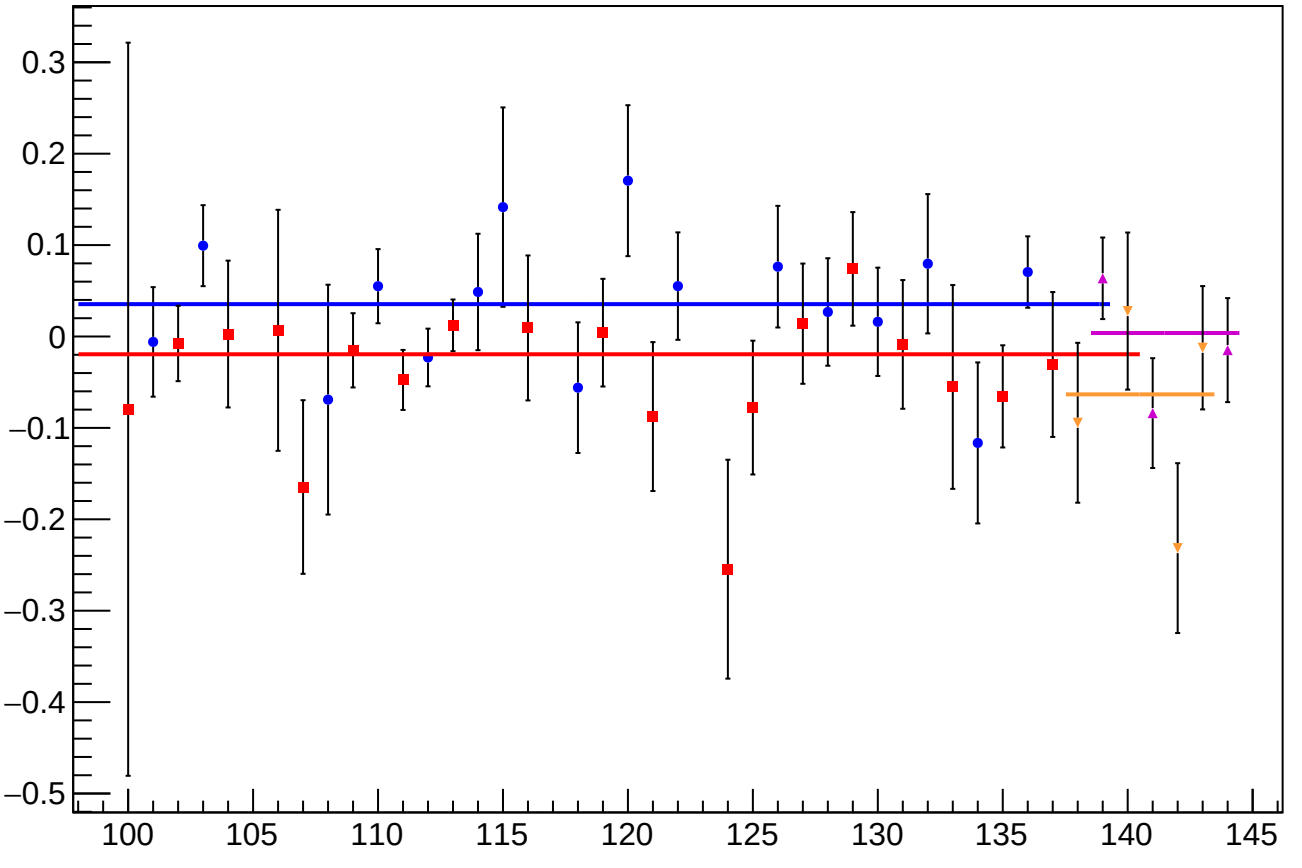
Left: 53.819+/-0.017 χ^2/NDF: 448351.1/6

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 36.640+/-0.009 χ^2/NDF:1569802.9/18

Out: 35.467+/-0.009 χ^2/NDF:2971208.3/22

All: 36.047+/-0.006 χ^2/NDF: 4549739.8/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.030 χ^2/NDF:4.0/2

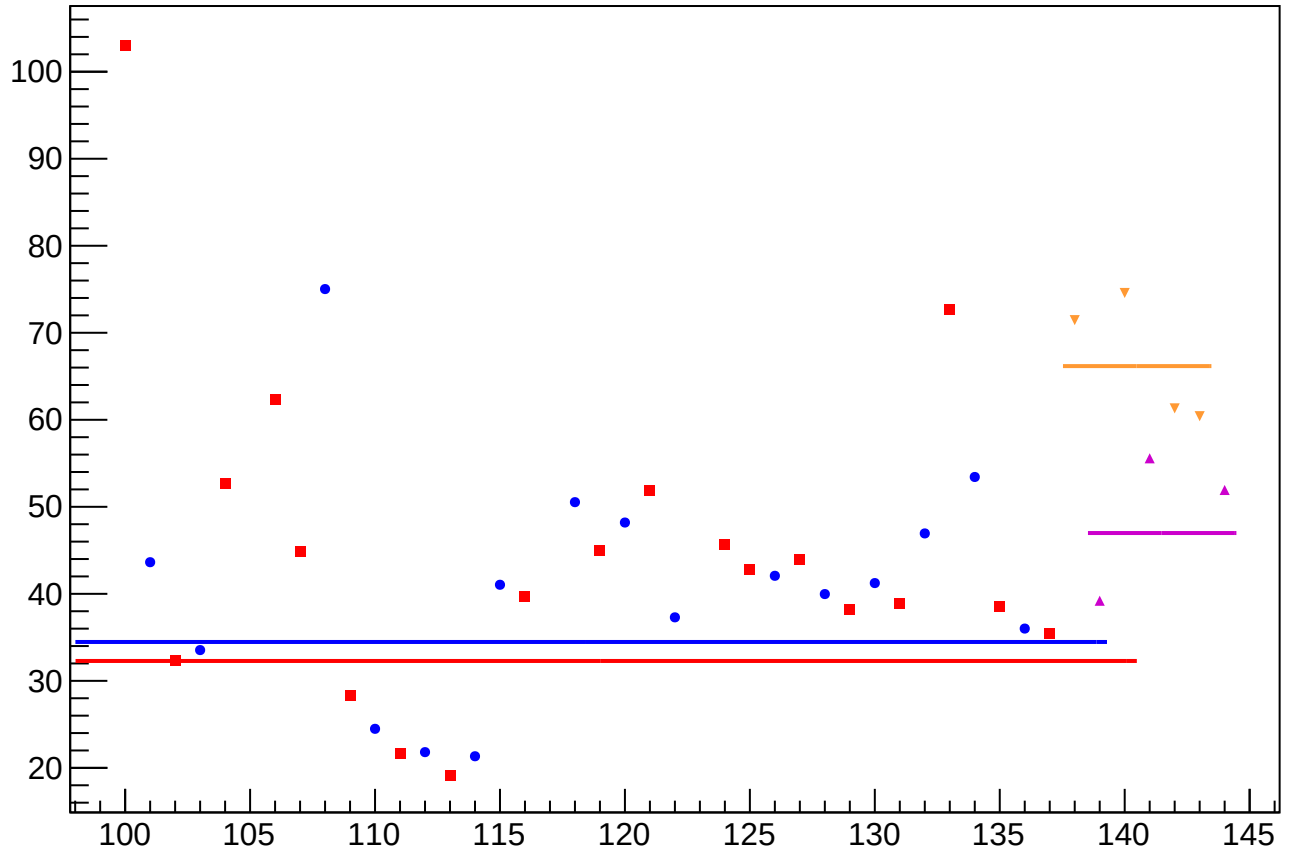
Left: -0.020+/-0.024 χ^2/NDF: 10.9/6

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.013 χ^2/NDF:21.9/18

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.5/41



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 66.170+/-0.029 χ^2/NDF:46454.4/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.987+/-0.021 χ^2/NDF:116757.7/2

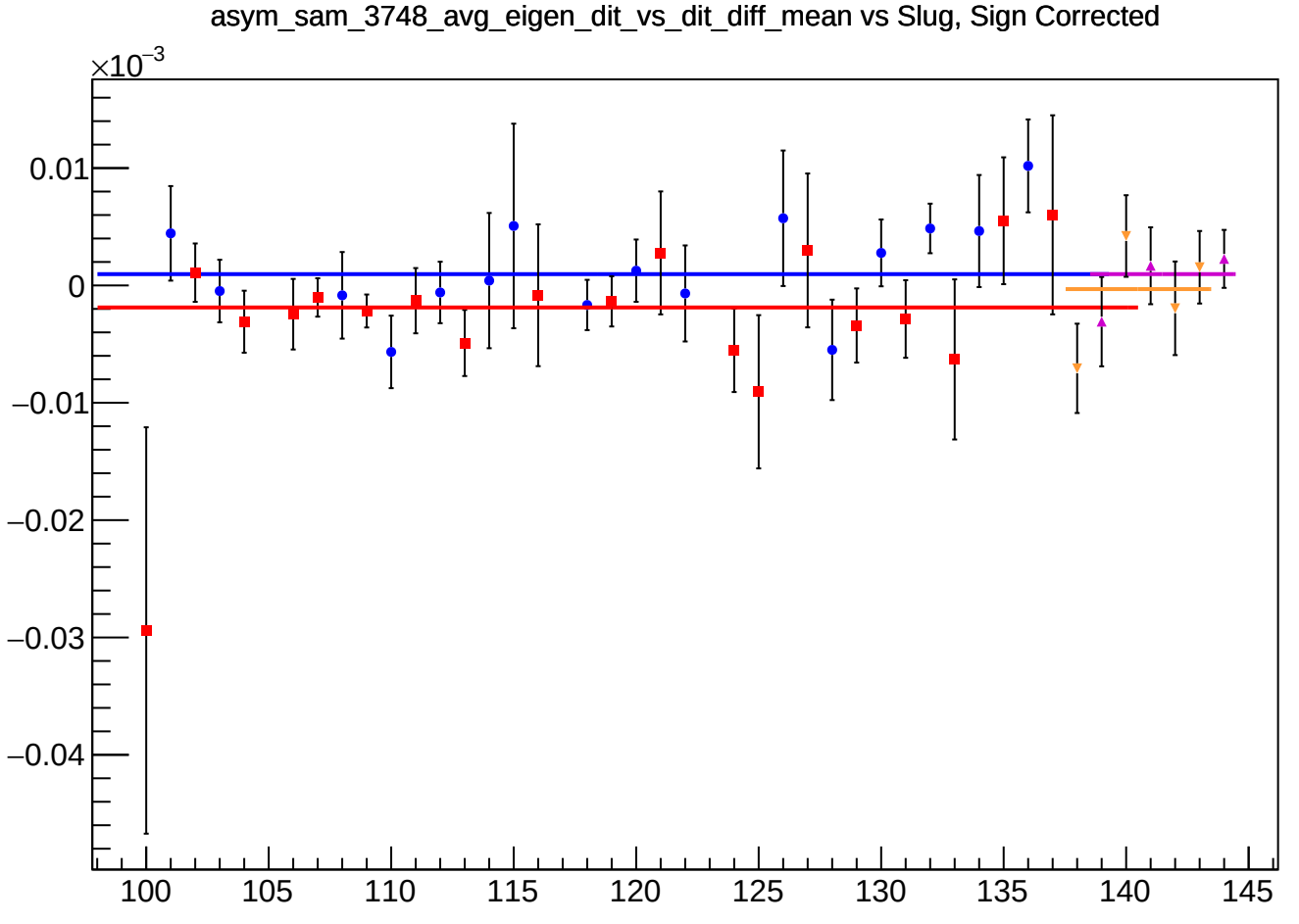
Left: 53.819+/-0.017 χ^2/NDF: 448351.1/6

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 36.640+/-0.009 χ^2/NDF:1569802.9/18

Out: 35.467+/-0.009 χ^2/NDF:2971208.3/22

All: 36.047+/-0.006 χ^2/NDF: 4549739.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

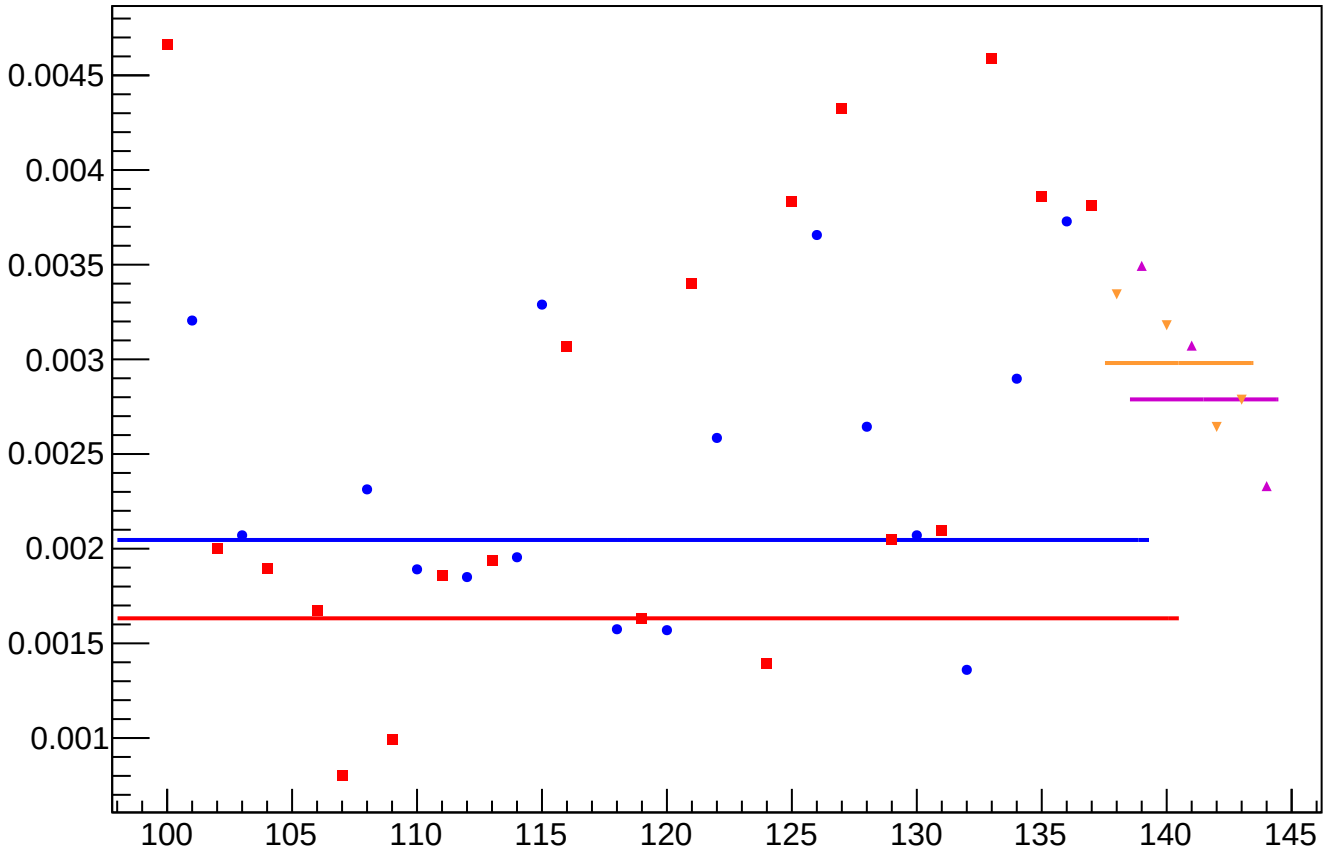
Left: 0.000+/-0.000 χ^2/NDF: 7.1/6

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:22.4/18

Out: -0.000+/-0.000 χ^2/NDF:18.9/22

All: -0.000+/-0.000 χ^2/NDF: 48.8/41



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:46933.5/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.003+/-0.000 χ^2/NDF:152437.5/2

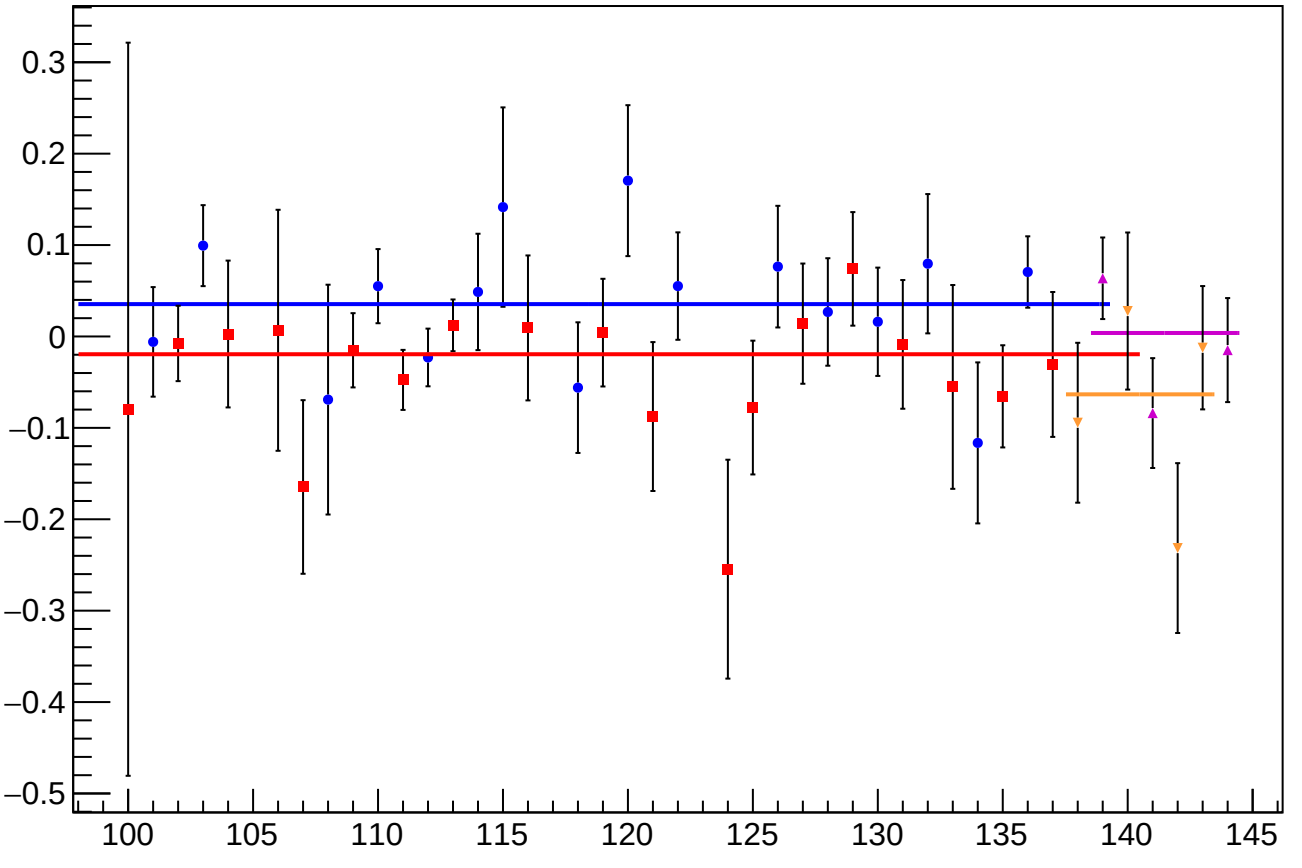
Left: 0.003+/-0.000 χ^2/NDF: 211289.8/6

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1709328.9/18

Out: 0.002+/-0.000 χ^2/NDF:3991466.9/22

All: 0.002+/-0.000 χ^2/NDF: 6002731.8/41



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.030 χ^2/NDF:4.0/2

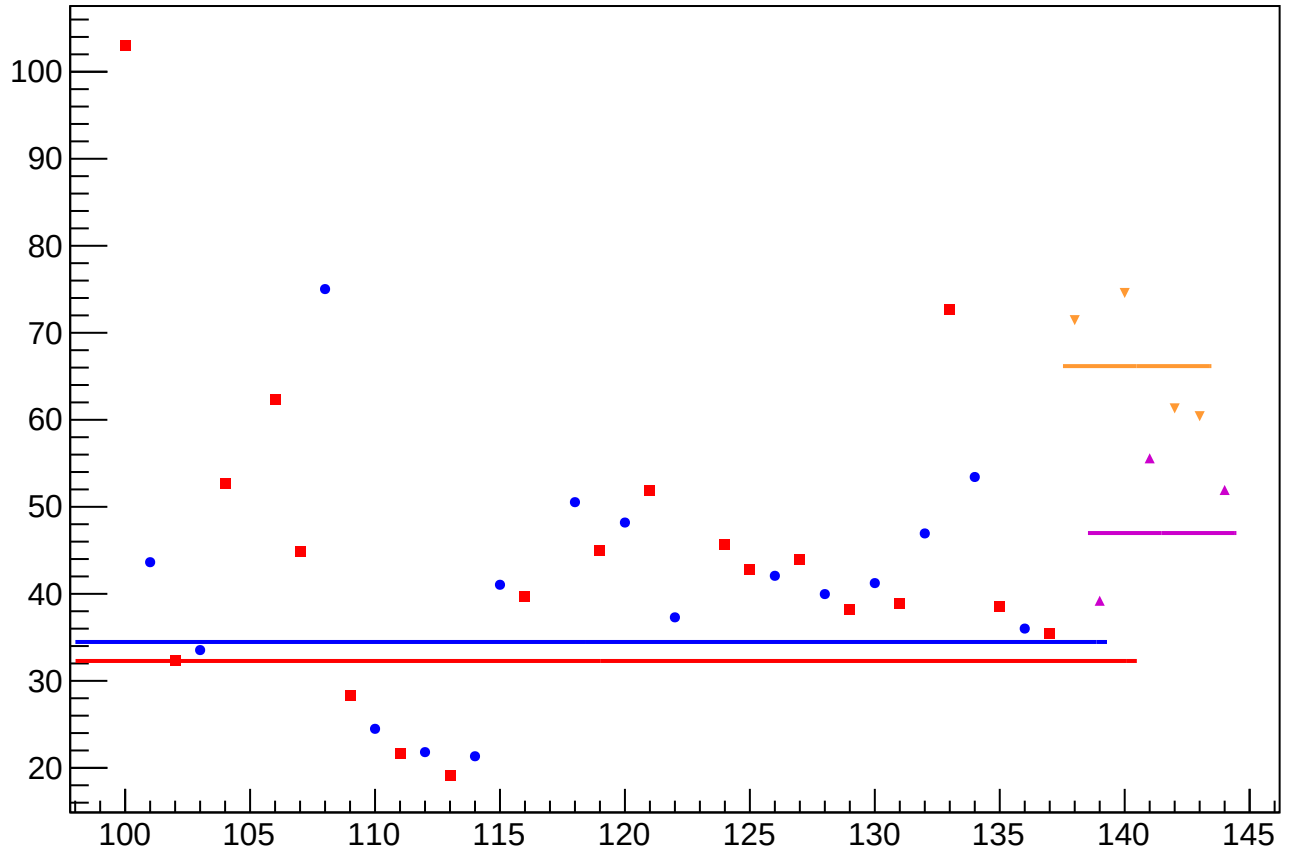
Left: -0.020+/-0.024 χ^2/NDF: 10.9/6

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.013 χ^2/NDF:21.9/18

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.5/41



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 66.171+/-0.029 χ^2/NDF:46449.7/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.988+/-0.021 χ^2/NDF:116773.1/2

Left: 53.820+/-0.017 χ^2/NDF: 448370.2/6

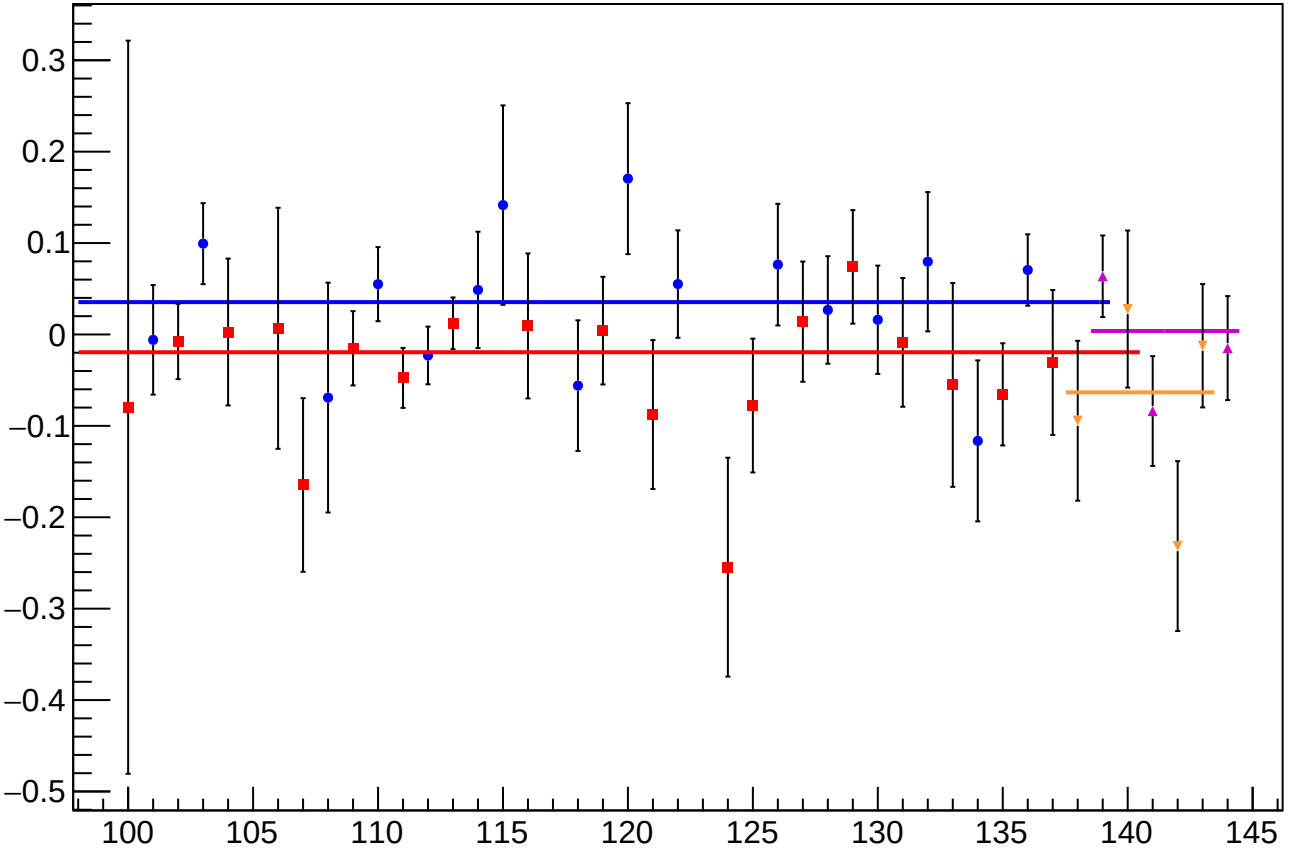
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 36.641+/-0.009 χ^2/NDF:1569764.8/18

Out: 35.467+/-0.009 χ^2/NDF:2971171.7/22

All: 36.047+/-0.006 χ^2/NDF: 4549664.1/41

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.030 χ^2/NDF:4.0/2

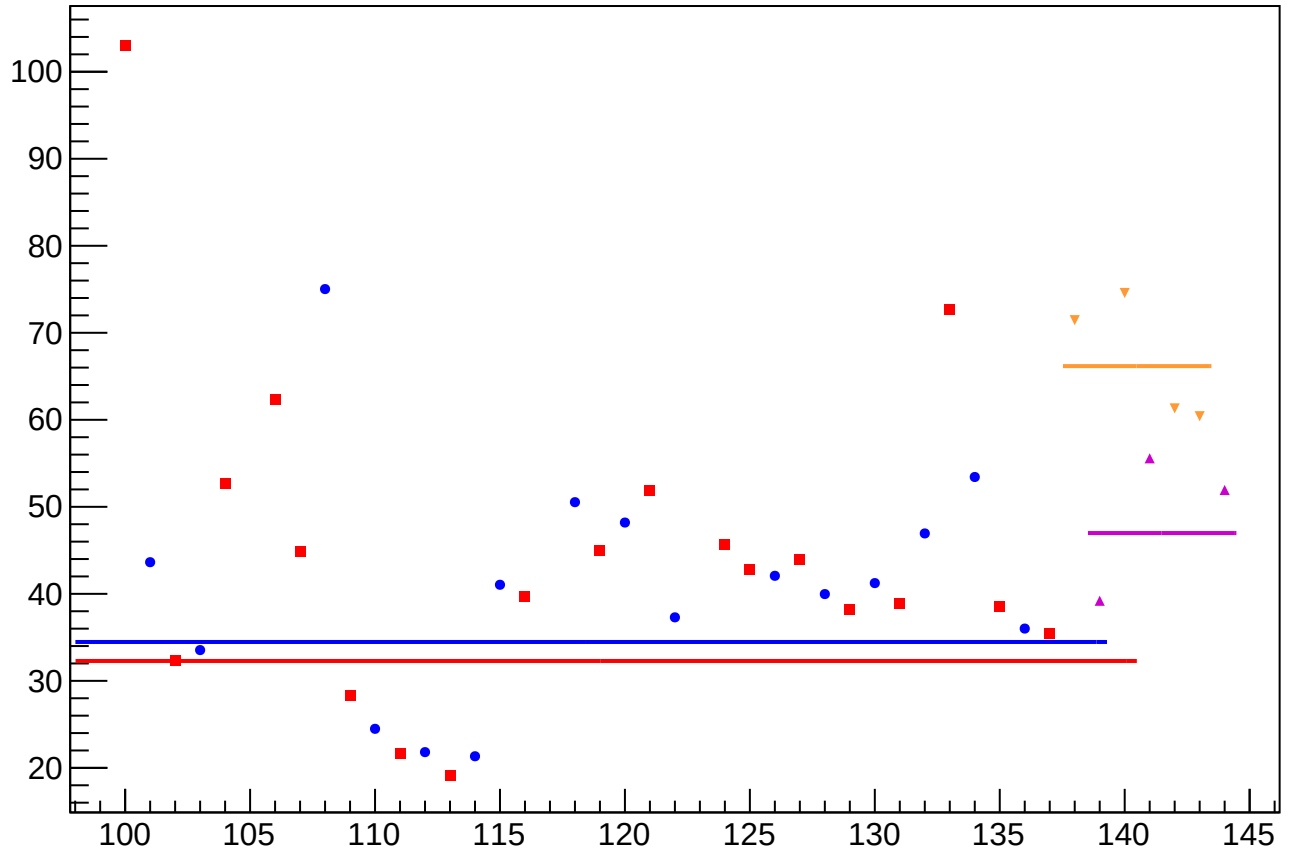
Left: -0.020+/-0.024 χ^2/NDF: 10.9/6

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.013 χ^2/NDF:21.9/18

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.5/41



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 66.171+/-0.029 χ^2/NDF:46449.7/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.988+/-0.021 χ^2/NDF:116773.1/2

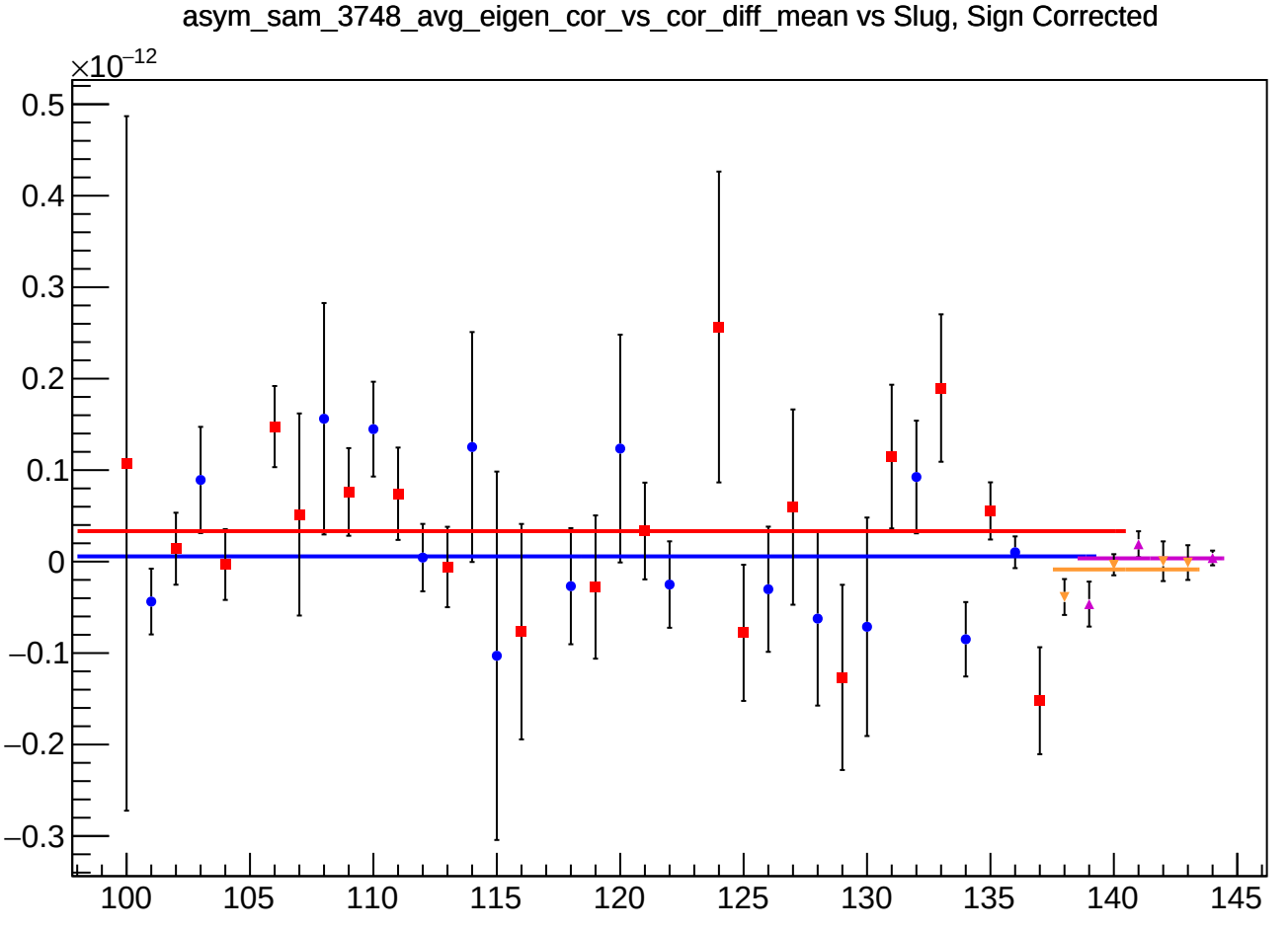
Left: 53.820+/-0.017 χ^2/NDF: 448370.2/6

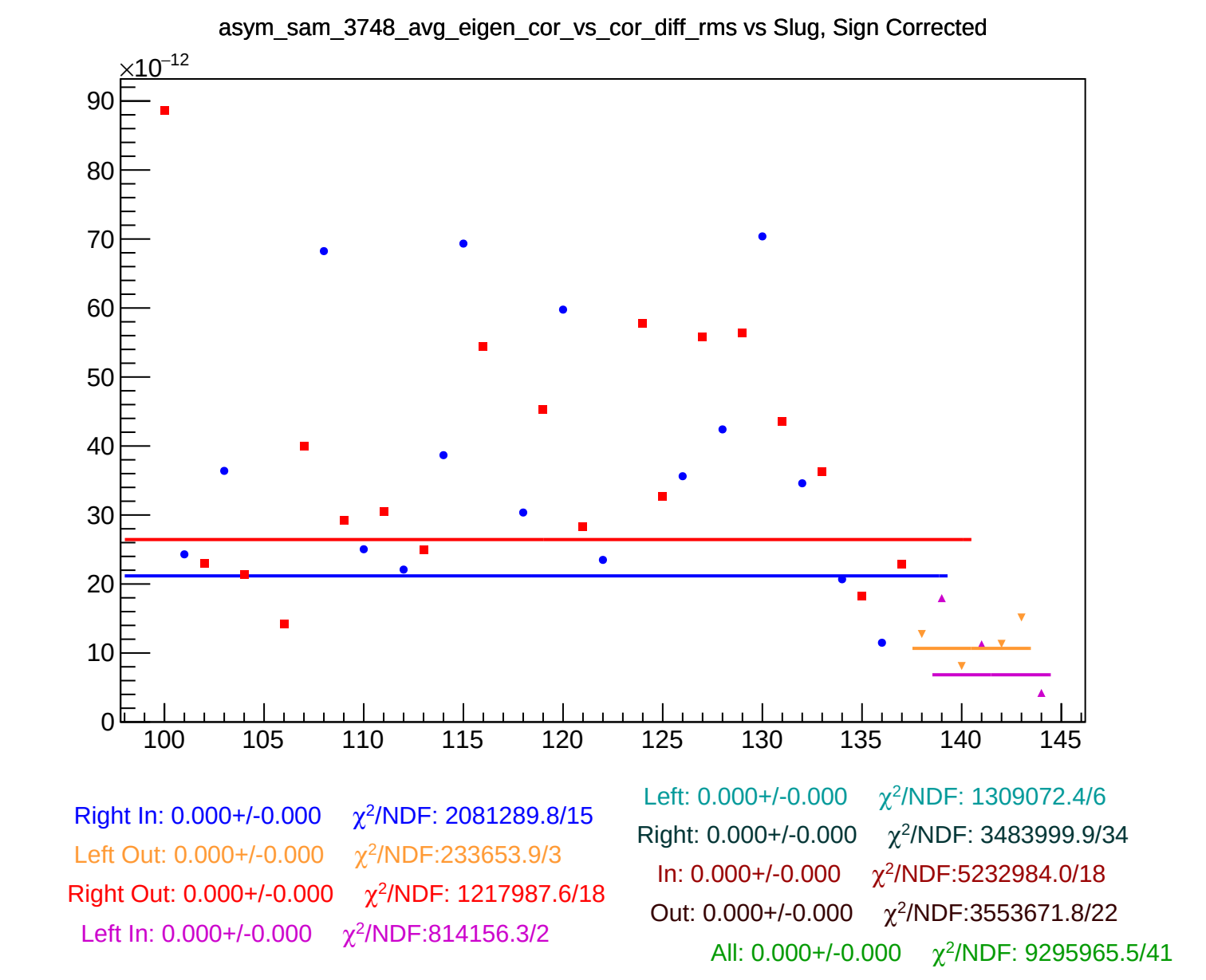
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

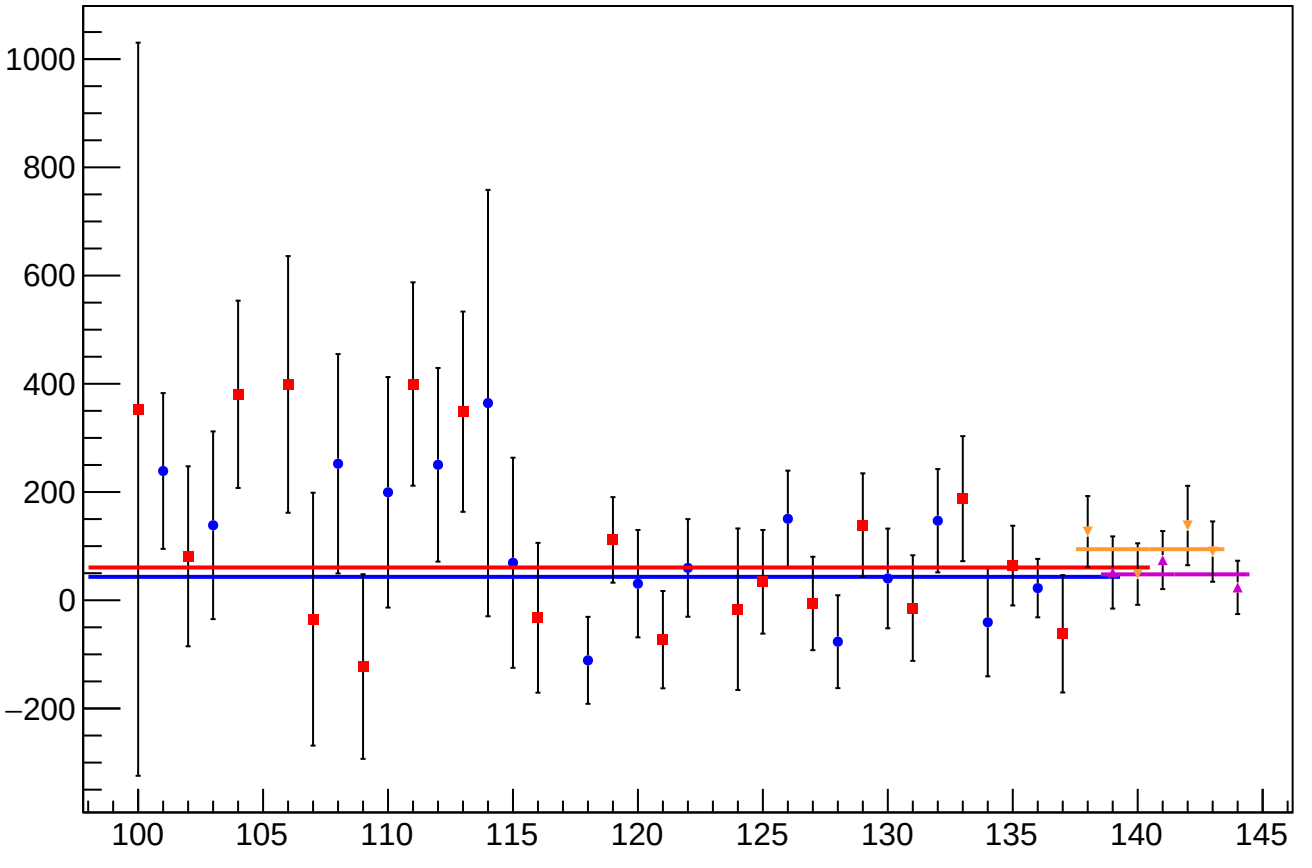
In: 36.641+/-0.009 χ^2/NDF:1569764.8/18

Out: 35.467+/-0.009 χ^2/NDF:2971171.7/22

All: 36.047+/-0.006 χ^2/NDF: 4549664.1/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:5.3/2
Left: -0.000+/-0.000 χ²/NDF: 9.5/6
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:28.9/18
Out: 0.000+/-0.000 χ²/NDF:43.8/22
All: 0.000+/-0.000 χ²/NDF: 72.7/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:233653.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:814156.3/2
Left: 0.000+/-0.000 χ²/NDF: 1309072.4/6
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5232984.0/18
Out: 0.000+/-0.000 χ²/NDF:3553671.8/22
All: 0.000+/-0.000 χ²/NDF: 9295965.5/41



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.332+/-30.890 χ^2/NDF:1.3/3

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 47.885+/-31.881 χ^2/NDF:0.5/2

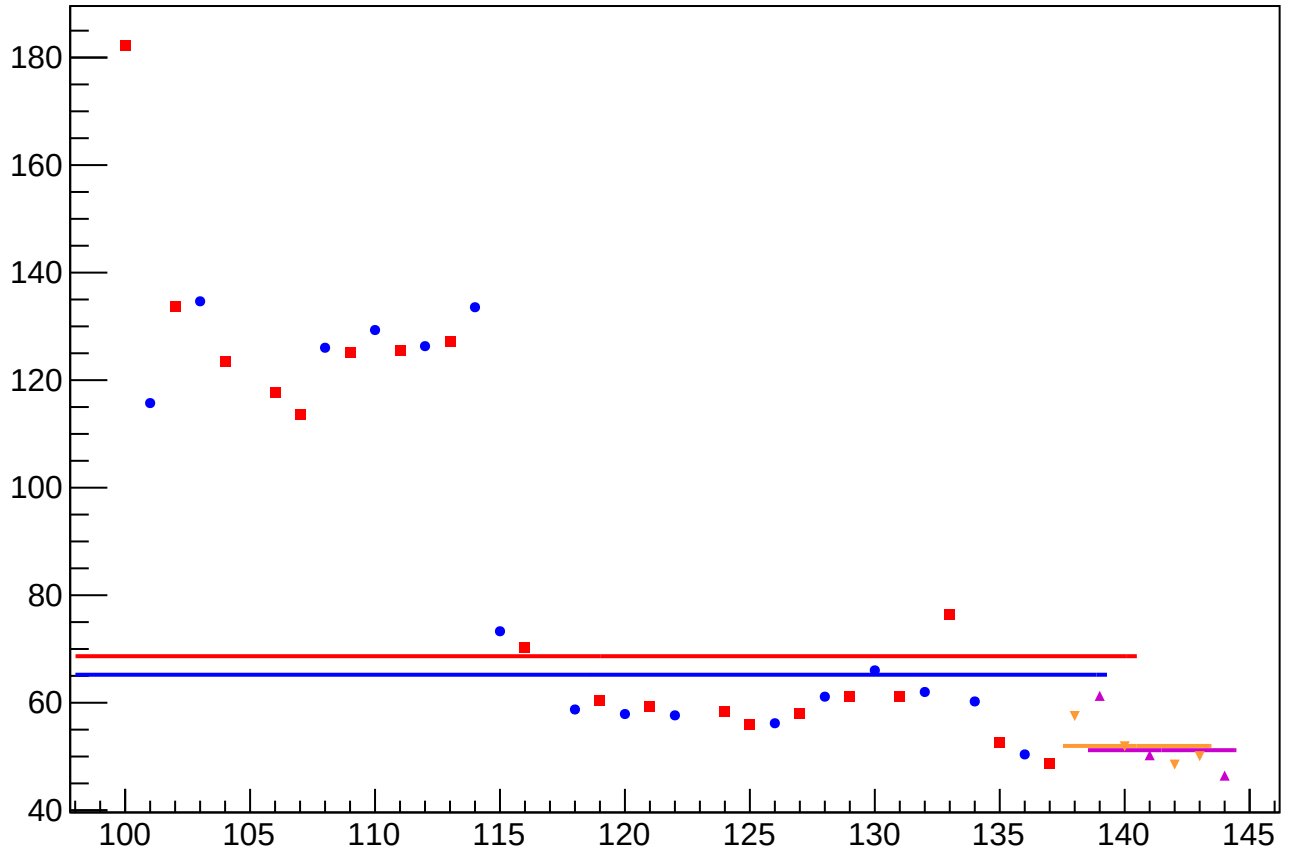
Left: 71.842+/-22.185 χ^2/NDF: 2.8/6

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 45.081+/-20.046 χ^2/NDF:15.4/18

Out: 75.135+/-20.284 χ^2/NDF:22.4/22

All: 59.931+/-14.258 χ^2/NDF: 38.9/41



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.7/3

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

Left: 51.586+/-0.016 χ^2/NDF: 86644.8/6

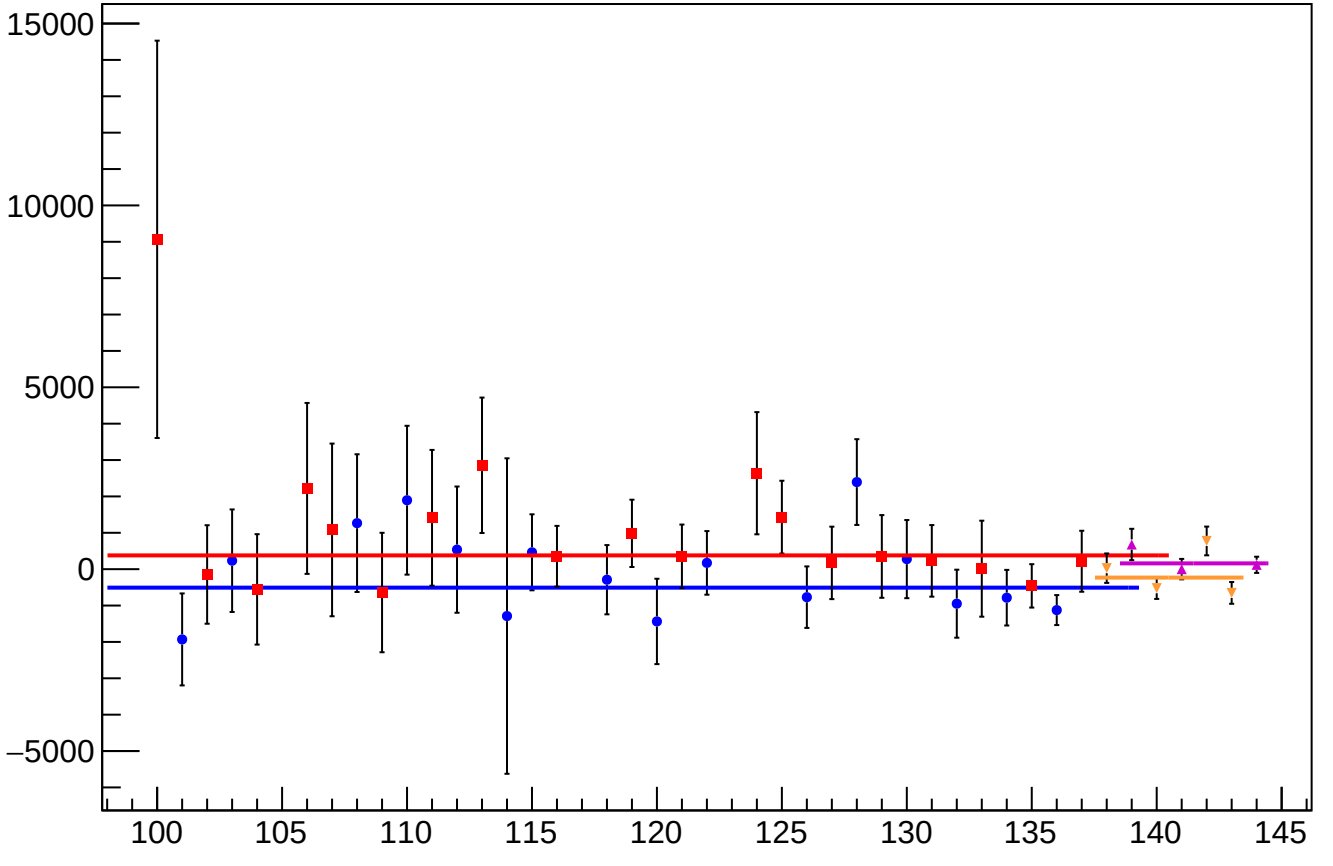
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 59.663+/-0.014 χ^2/NDF:1745757.9/18

Out: 61.461+/-0.014 χ^2/NDF:1994025.0/22

All: 60.552+/-0.010 χ^2/NDF: 3747729.5/41

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: -231.391+/-168.690 χ^2/NDF:9.9/3

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 159.404+/-161.812 χ^2/NDF:1.8/2

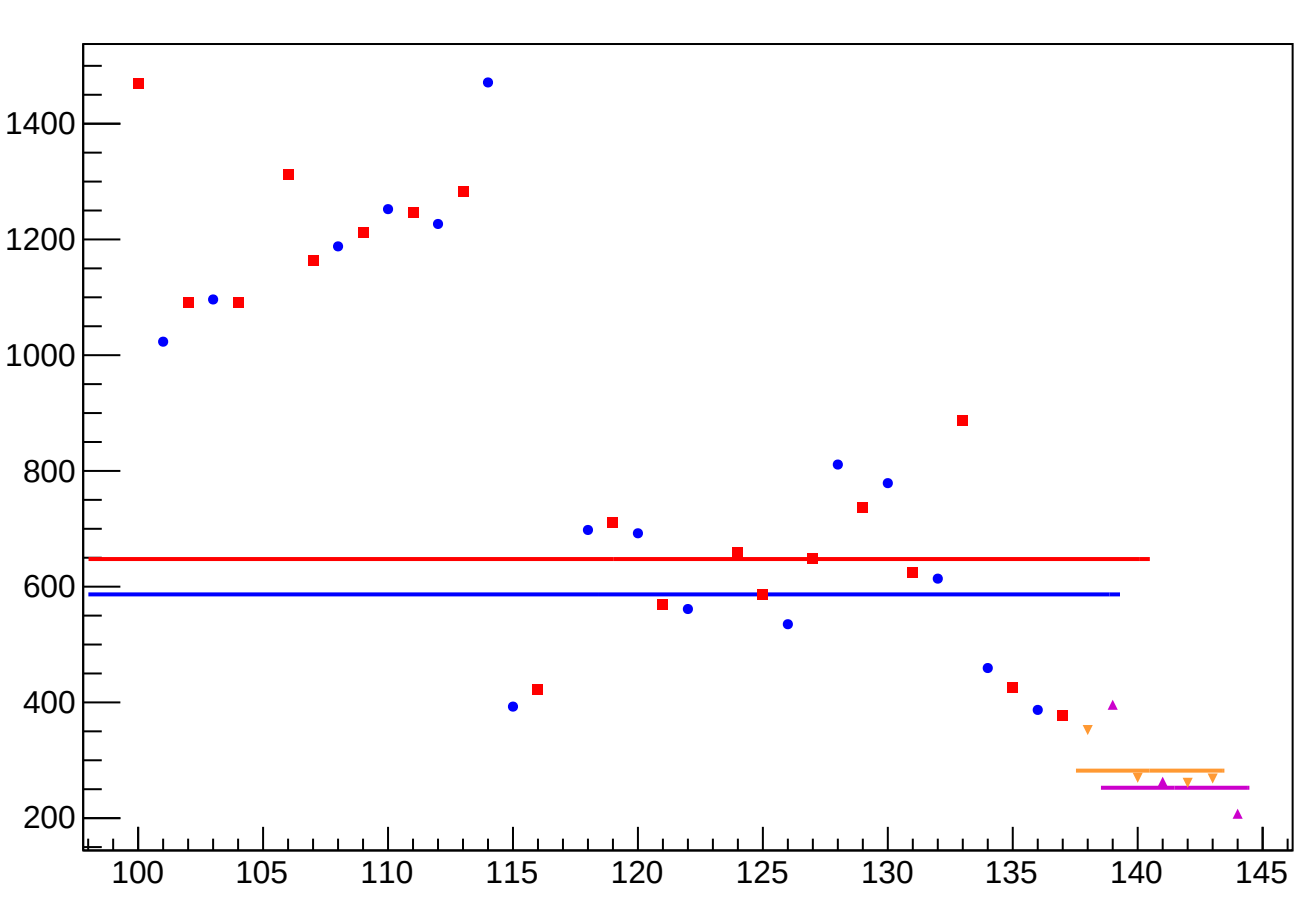
Left: -27.865+/-116.774 χ^2/NDF: 14.5/6

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -52.836+/-133.626 χ^2/NDF:22.8/18

Out: -47.037+/-140.926 χ^2/NDF:25.5/22

All: -50.091+/-96.966 χ^2/NDF: 48.4/41



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 282.109+/-0.119 χ^2/NDF:73339.6/3

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 252.524+/-0.114 χ^2/NDF:305432.4/2

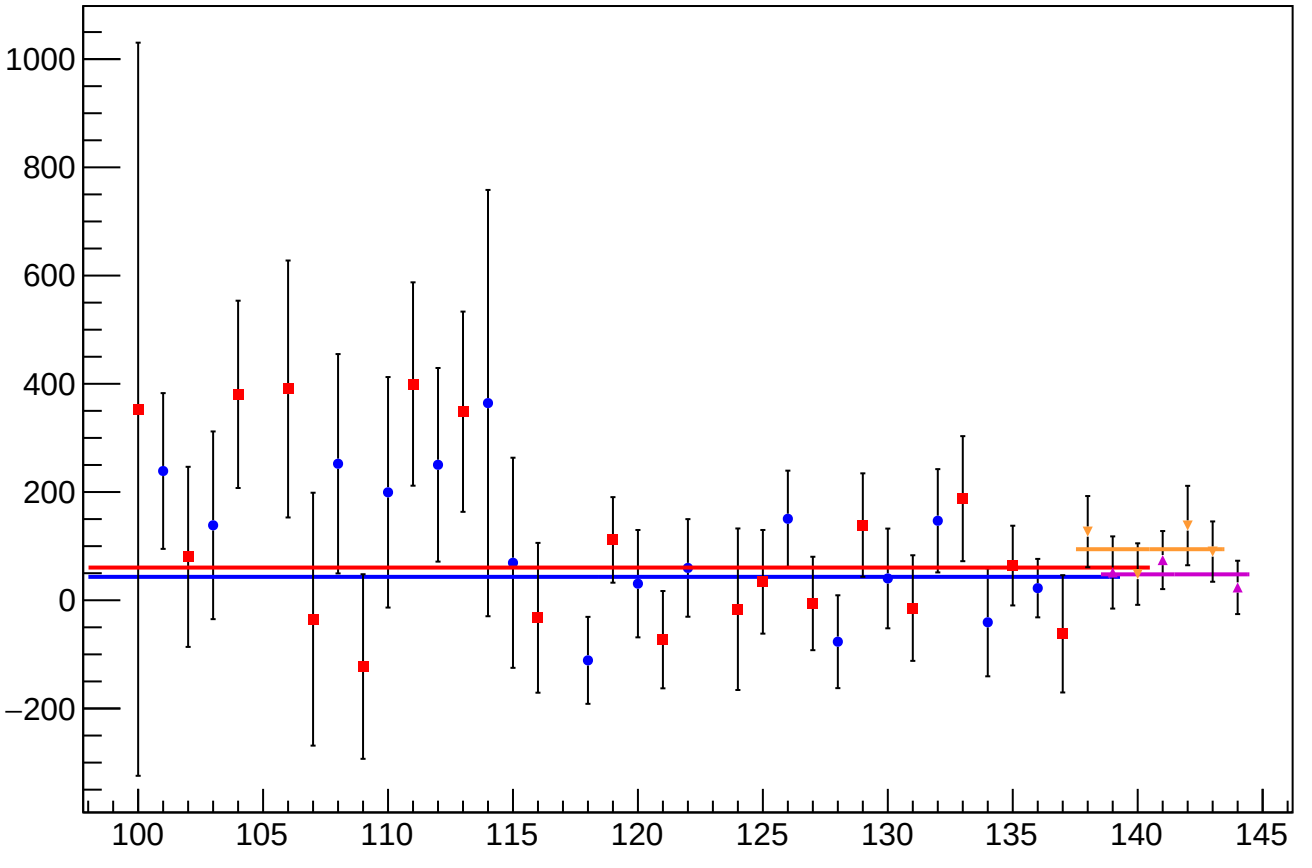
Left: 266.701+/-0.083 χ^2/NDF: 410808.6/6

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 358.789+/-0.094 χ^2/NDF:5070628.9/18

Out: 392.557+/-0.100 χ^2/NDF:5017242.5/22

All: 374.776+/-0.069 χ^2/NDF: 10148338.7/41



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 47.891+/-31.881 χ^2/NDF:0.5/2

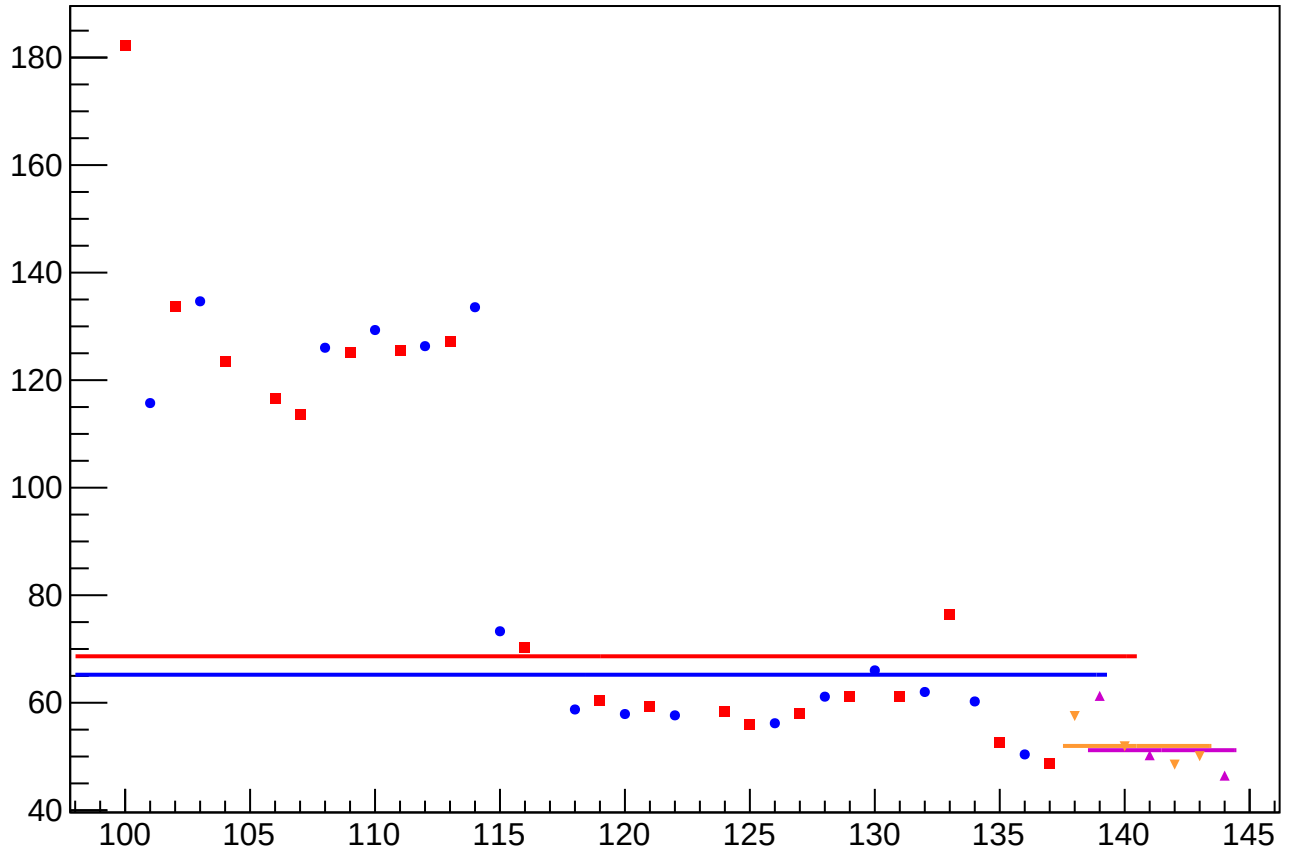
Left: 71.846+/-22.185 χ^2/NDF: 2.8/6

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 45.078+/-20.046 χ^2/NDF:15.4/18

Out: 75.051+/-20.284 χ^2/NDF:22.2/22

All: 59.888+/-14.258 χ^2/NDF: 38.8/41



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

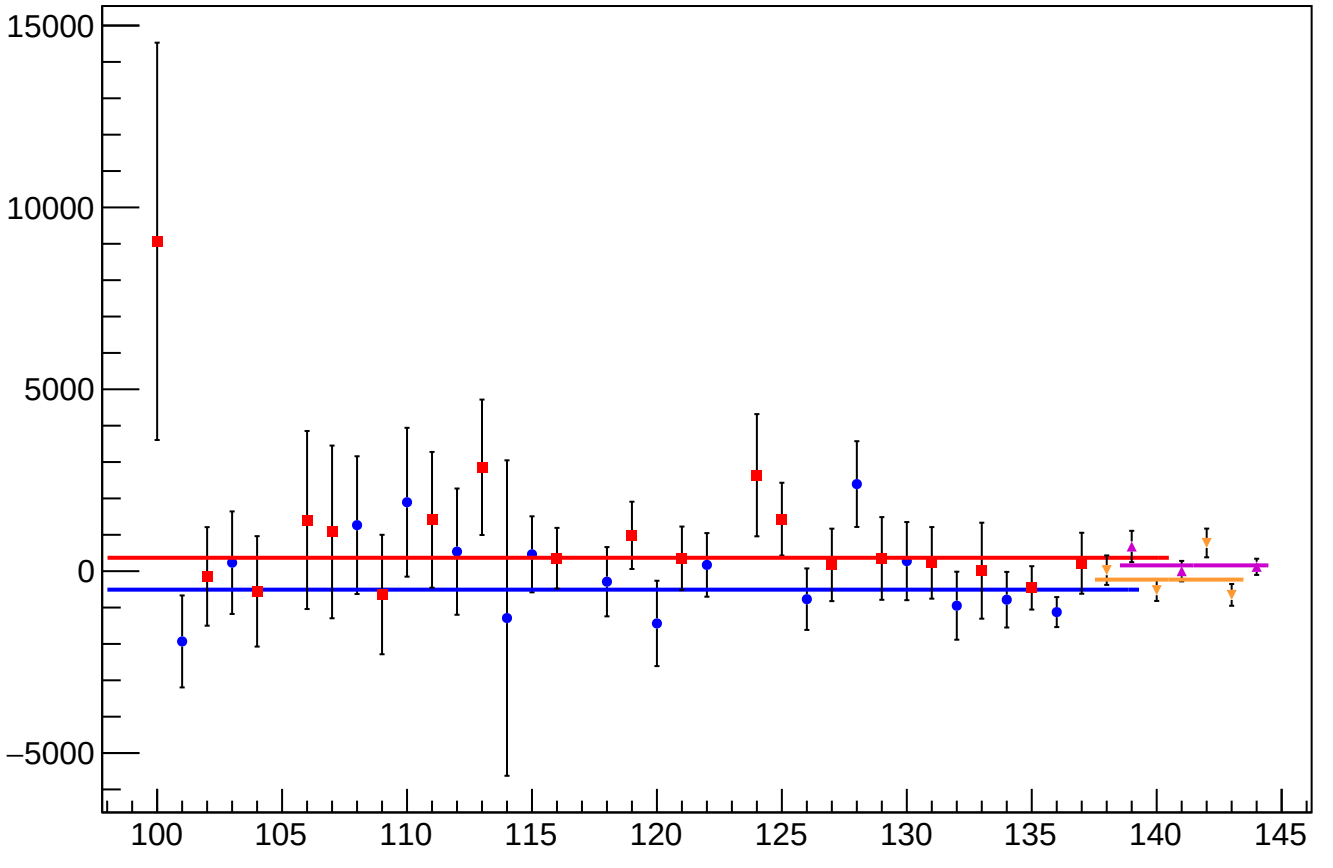
Left: 51.586+/-0.016 χ^2/NDF: 86644.8/6

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 59.663+/-0.014 χ^2/NDF:1745760.2/18

Out: 61.453+/-0.014 χ^2/NDF:1990101.2/22

All: 60.547+/-0.010 χ^2/NDF: 3743733.4/41



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.384+/-168.689 χ^2/NDF:9.9/3

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 159.410+/-161.812 χ^2/NDF:1.8/2

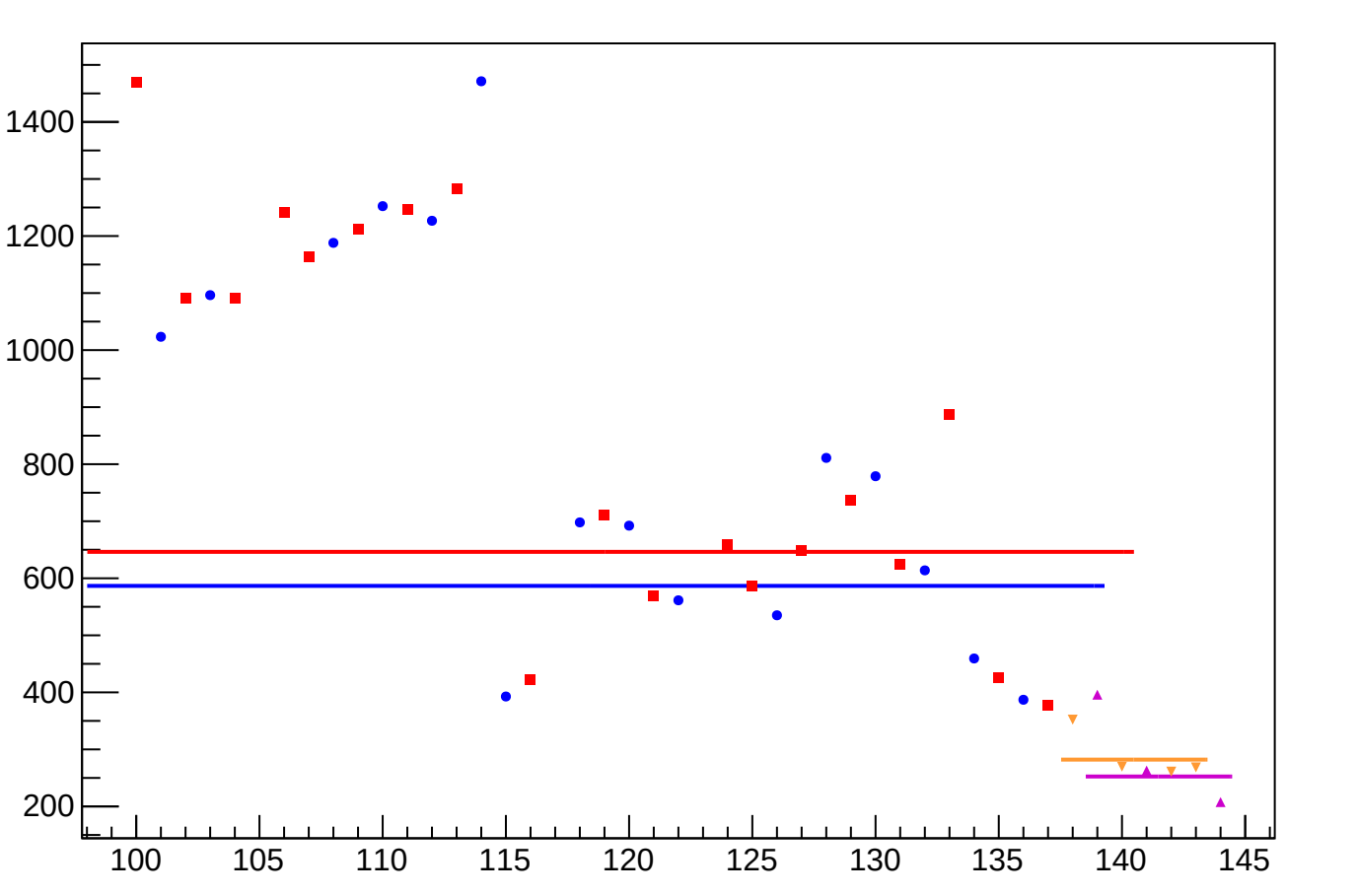
Left: -27.859+/-116.774 χ^2/NDF: 14.5/6

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -52.827+/-133.626 χ^2/NDF:22.8/18

Out: -50.347+/-140.947 χ^2/NDF:25.0/22

All: -51.653+/-96.973 χ^2/NDF: 47.8/41



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 282.108+/-0.119 χ^2/NDF:73339.8/3

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 252.524+/-0.114 χ^2/NDF:305431.6/2

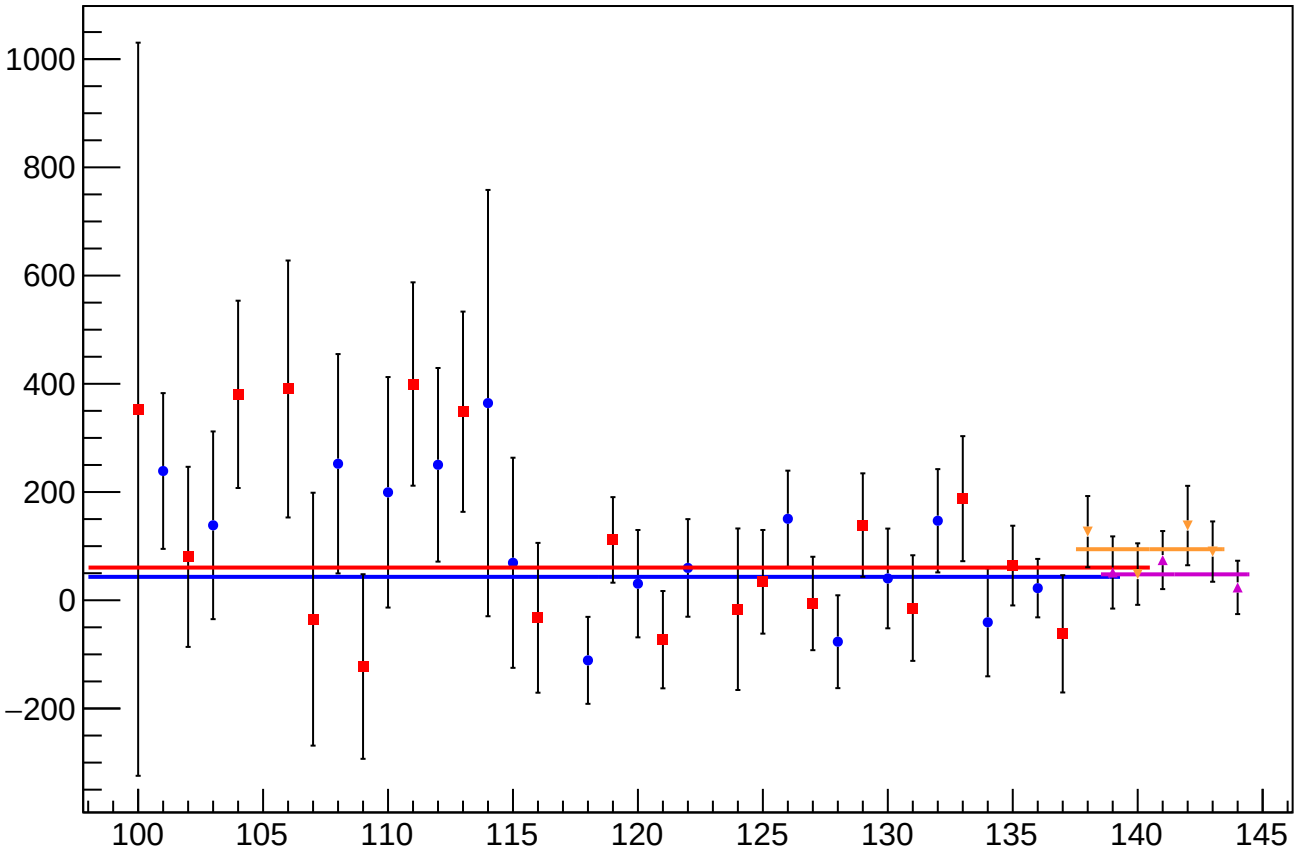
Left: 266.701+/-0.083 χ^2/NDF: 410807.0/6

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 358.789+/-0.094 χ^2/NDF:5070652.0/18

Out: 392.056+/-0.100 χ^2/NDF:4951033.2/22

All: 374.536+/-0.069 χ^2/NDF: 10080360.2/41



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 47.891+/-31.881 χ^2/NDF:0.5/2

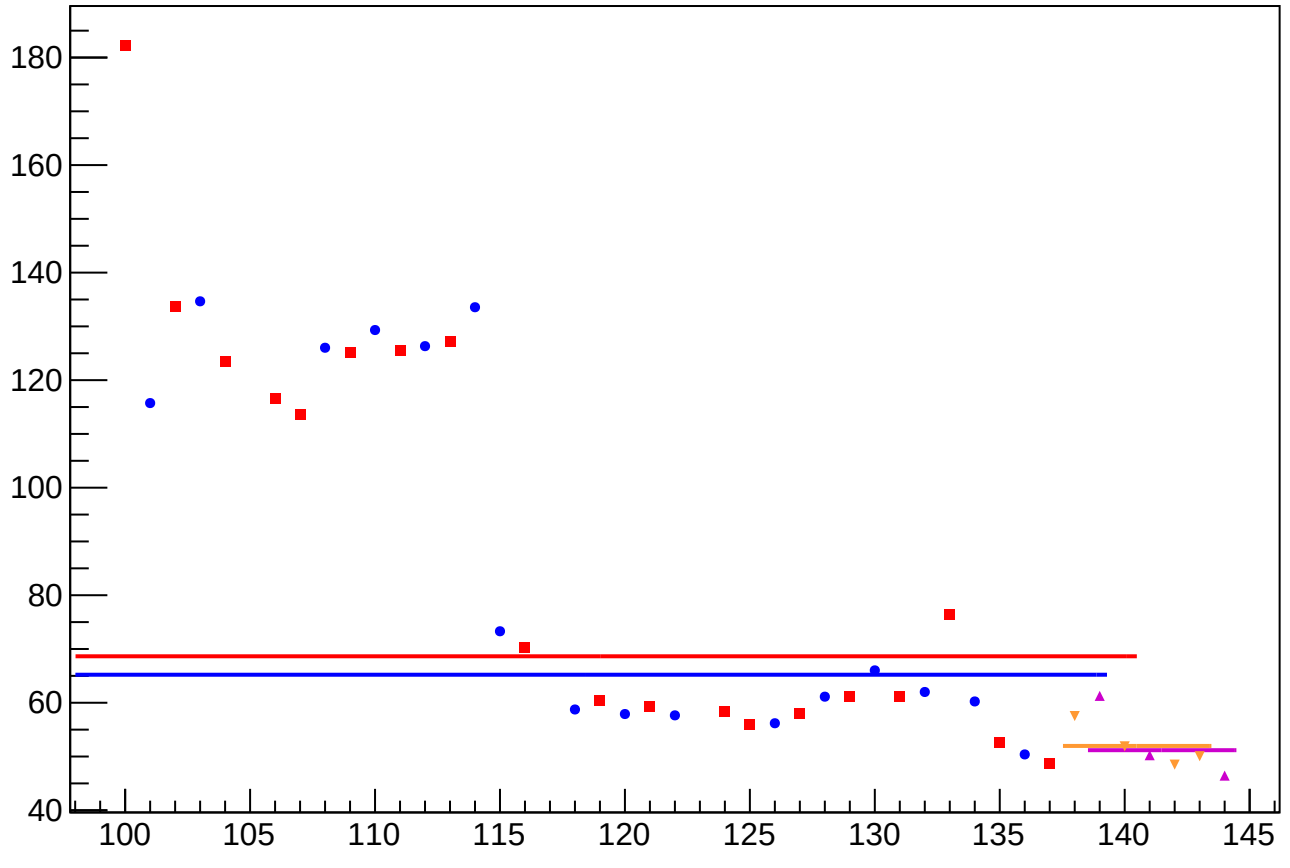
Left: 71.846+/-22.185 χ^2/NDF: 2.8/6

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 45.078+/-20.046 χ^2/NDF:15.4/18

Out: 75.051+/-20.284 χ^2/NDF:22.2/22

All: 59.888+/-14.258 χ^2/NDF: 38.8/41



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.177+/-0.023 χ^2/NDF:64895.3/2

Left: 51.586+/-0.016 χ^2/NDF: 86644.8/6

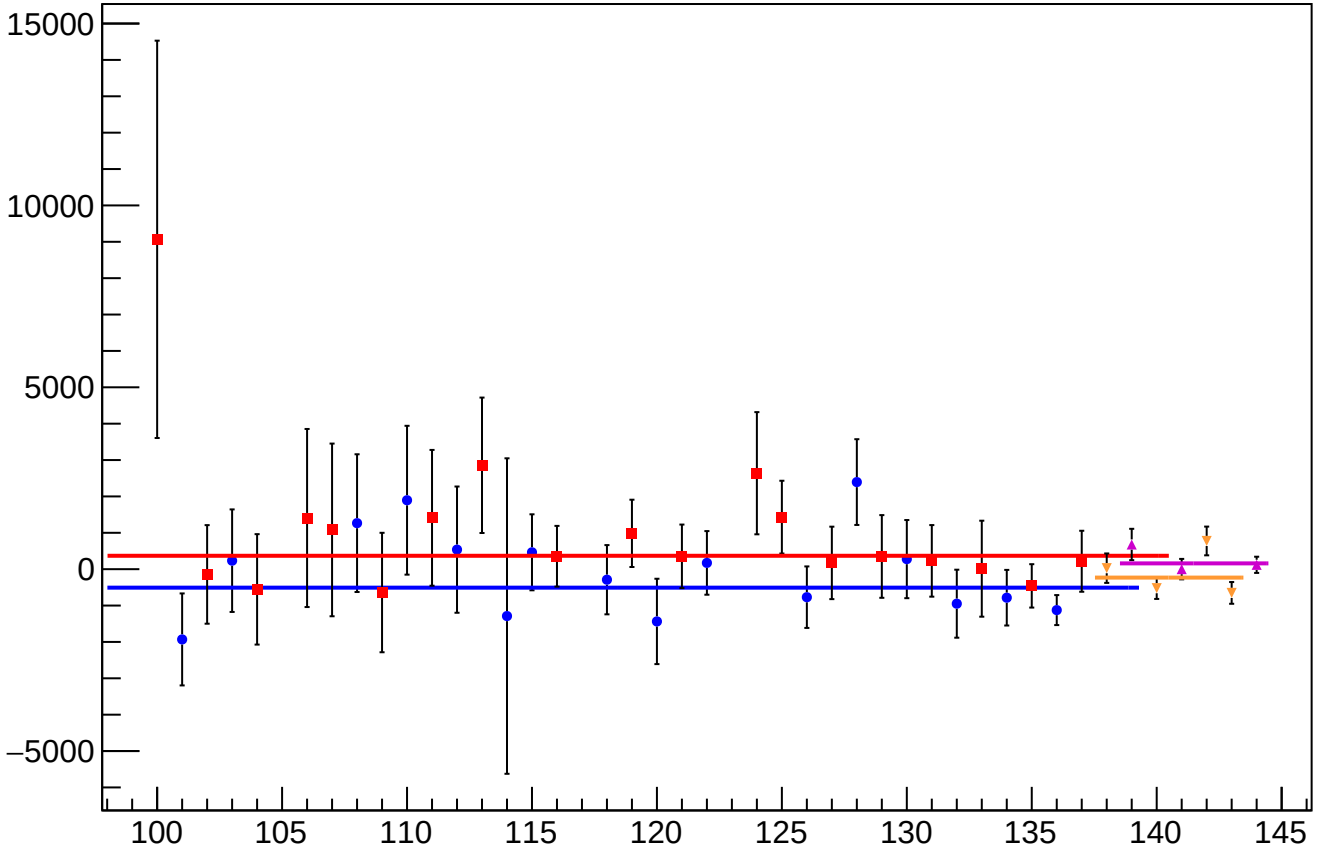
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 59.663+/-0.014 χ^2/NDF:1745760.2/18

Out: 61.453+/-0.014 χ^2/NDF:1990101.2/22

All: 60.547+/-0.010 χ^2/NDF: 3743733.4/41

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.384+/-168.689 χ^2/NDF:9.9/3

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 159.410+/-161.812 χ^2/NDF:1.8/2

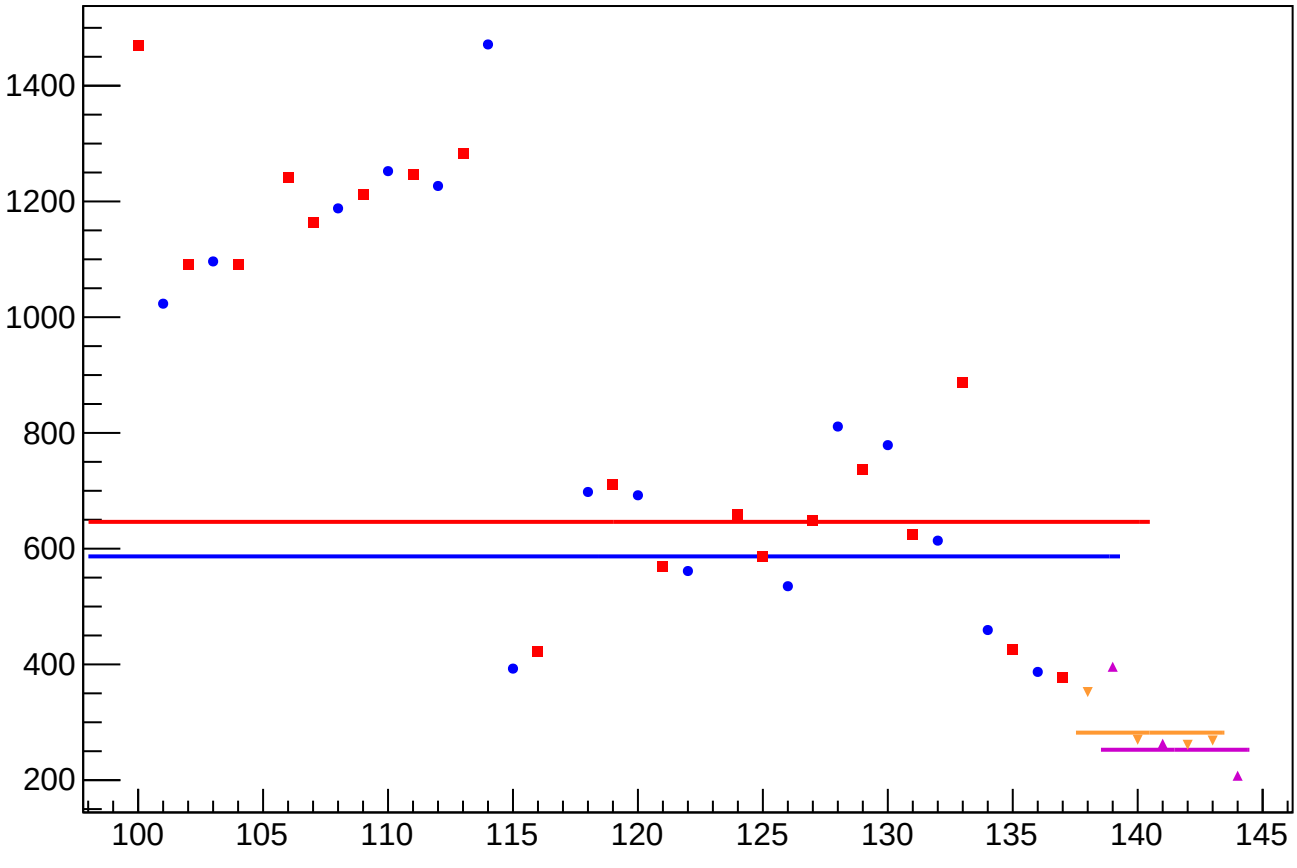
Left: -27.859+/-116.774 χ^2/NDF: 14.5/6

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -52.827+/-133.626 χ^2/NDF:22.8/18

Out: -50.347+/-140.947 χ^2/NDF:25.0/22

All: -51.653+/-96.973 χ^2/NDF: 47.8/41



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 282.108+/-0.119 χ^2/NDF:73339.8/3

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 252.524+/-0.114 χ^2/NDF:305431.6/2

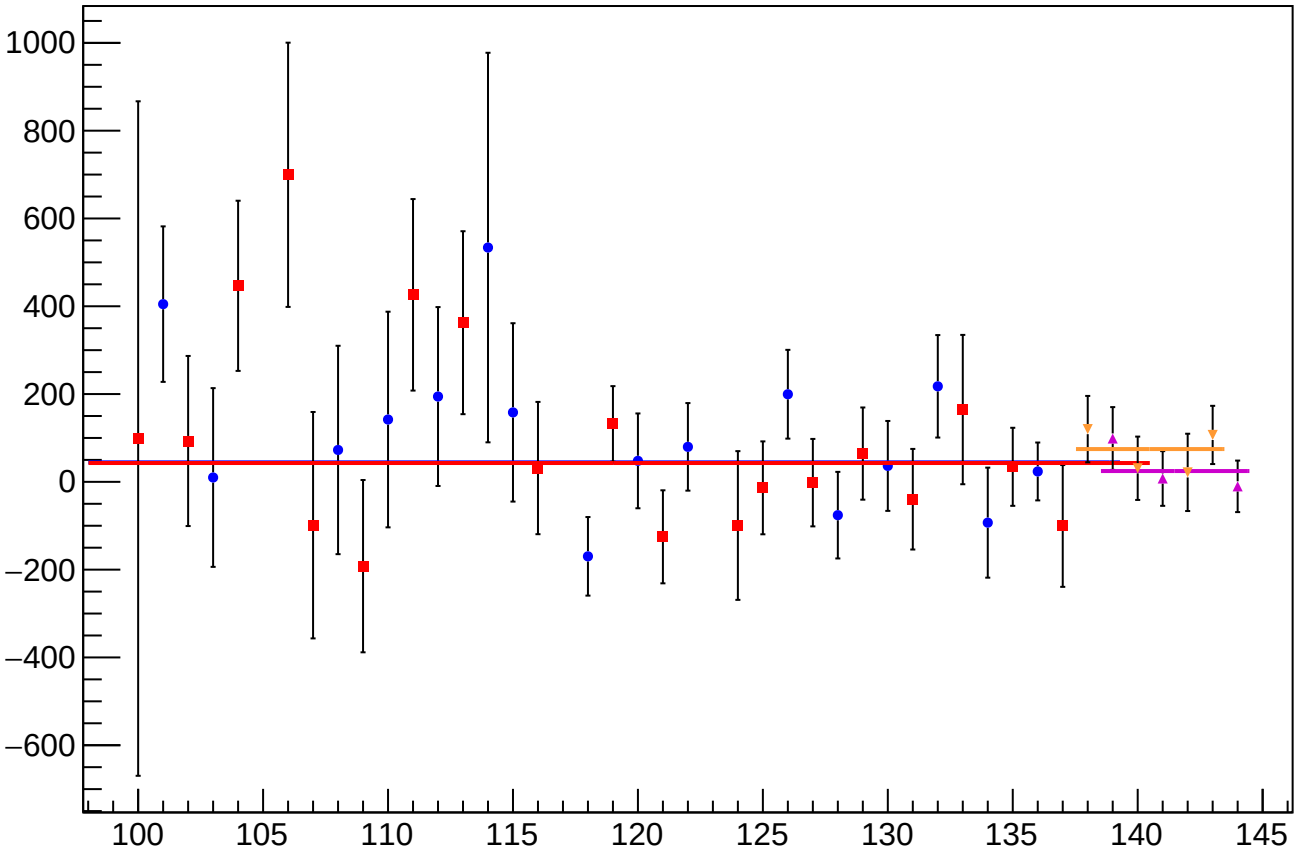
Left: 266.701+/-0.083 χ^2/NDF: 410807.0/6

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 358.789+/-0.094 χ^2/NDF:5070652.0/18

Out: 392.056+/-0.100 χ^2/NDF:4951033.2/22

All: 374.536+/-0.069 χ^2/NDF: 10080360.2/41



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 74.688+/-37.183 χ^2/NDF:1.3/3

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 24.607+/-36.675 χ^2/NDF:1.5/2

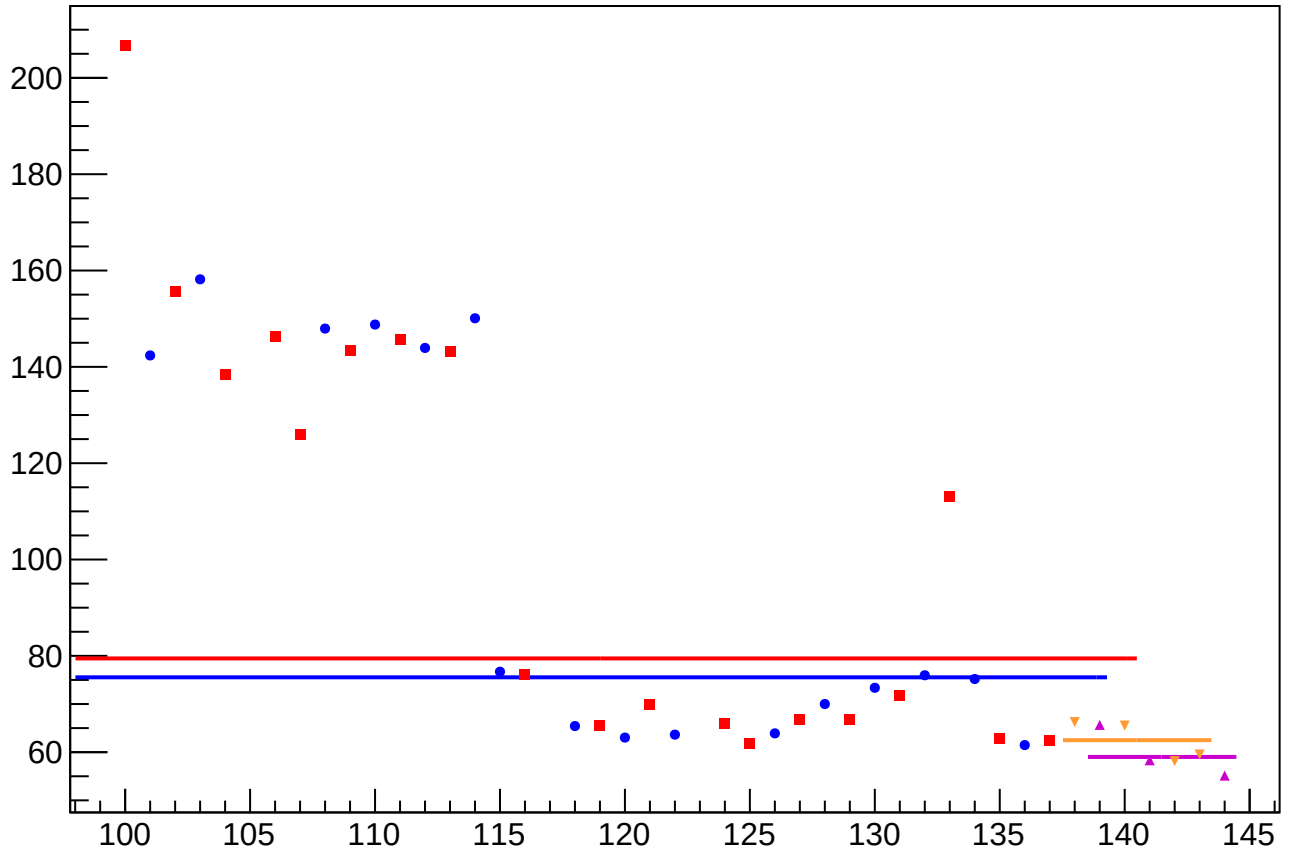
Left: 49.303+/-26.111 χ^2/NDF: 3.7/6

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 36.487+/-23.178 χ^2/NDF:21.3/18

Out: 56.058+/-23.922 χ^2/NDF:25.0/22

All: 45.963+/-16.646 χ^2/NDF: 46.7/41



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 62.492+/-0.026 χ^2/NDF:17338.2/3

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 59.012+/-0.026 χ^2/NDF:26301.3/2

Left: 60.728+/-0.018 χ^2/NDF: 52520.0/6

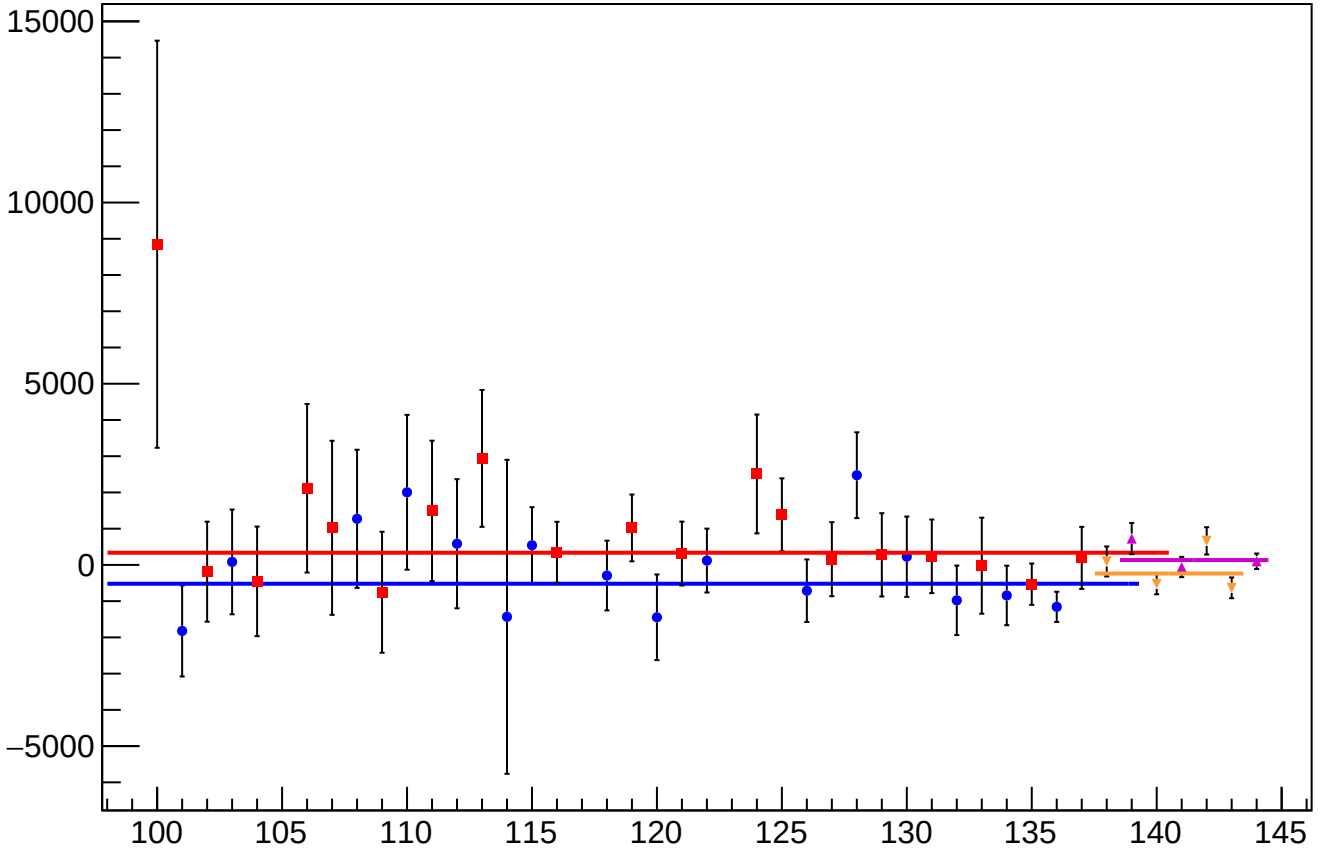
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 68.941+/-0.016 χ^2/NDF:1735941.3/18

Out: 72.440+/-0.017 χ^2/NDF:1945231.2/22

All: 70.635+/-0.012 χ^2/NDF: 3703236.9/41

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -238.051+/-163.761 χ^2/NDF:9.3/3

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 134.033+/-157.754 χ^2/NDF:2.4/2

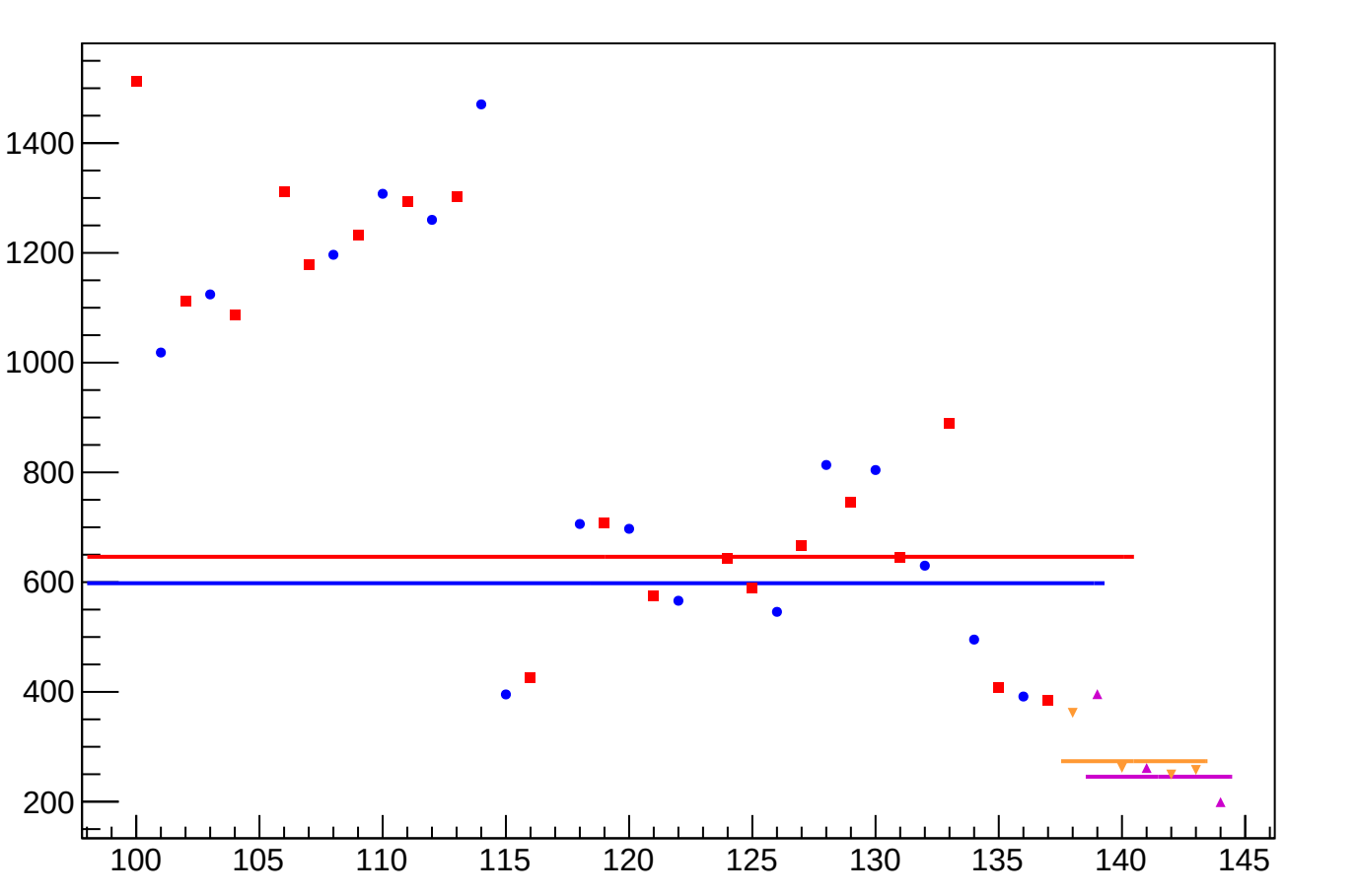
Left: -45.060+/-113.613 χ^2/NDF: 14.3/6

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -61.562+/-132.043 χ^2/NDF:23.3/18

Out: -71.717+/-138.047 χ^2/NDF:24.8/22

All: -66.414+/-95.420 χ^2/NDF: 48.1/41



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 273.738+/-0.116 χ^2/NDF:108698.6/3

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 245.458+/-0.112 χ^2/NDF:344210.4/2

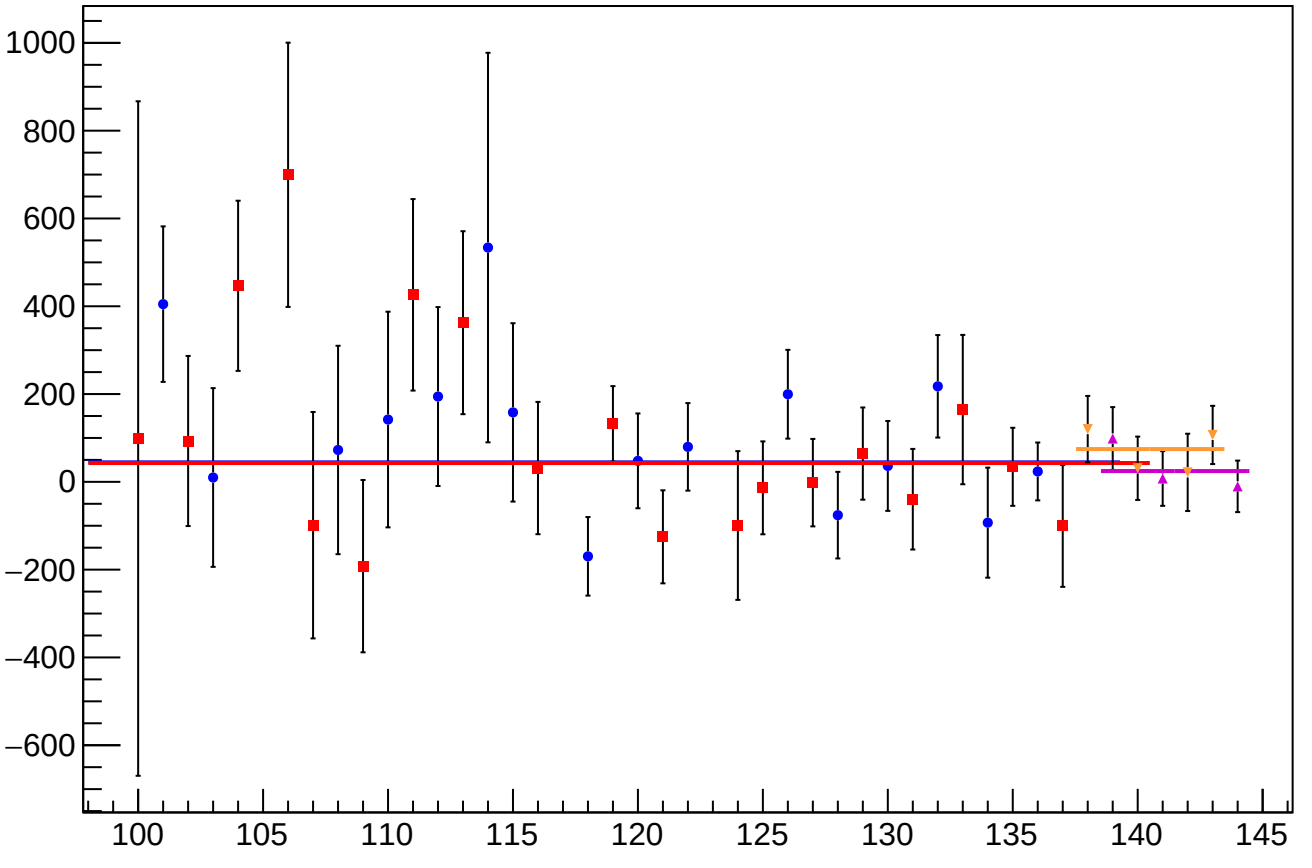
Left: 259.070+/-0.080 χ^2/NDF: 483844.4/6

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 351.024+/-0.093 χ^2/NDF:5383291.5/18

Out: 381.521+/-0.098 χ^2/NDF:5307991.7/22

All: 365.595+/-0.067 χ^2/NDF: 10742256.9/41



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 74.687+/-37.183 χ^2/NDF:1.3/3

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 24.607+/-36.675 χ^2/NDF:1.5/2

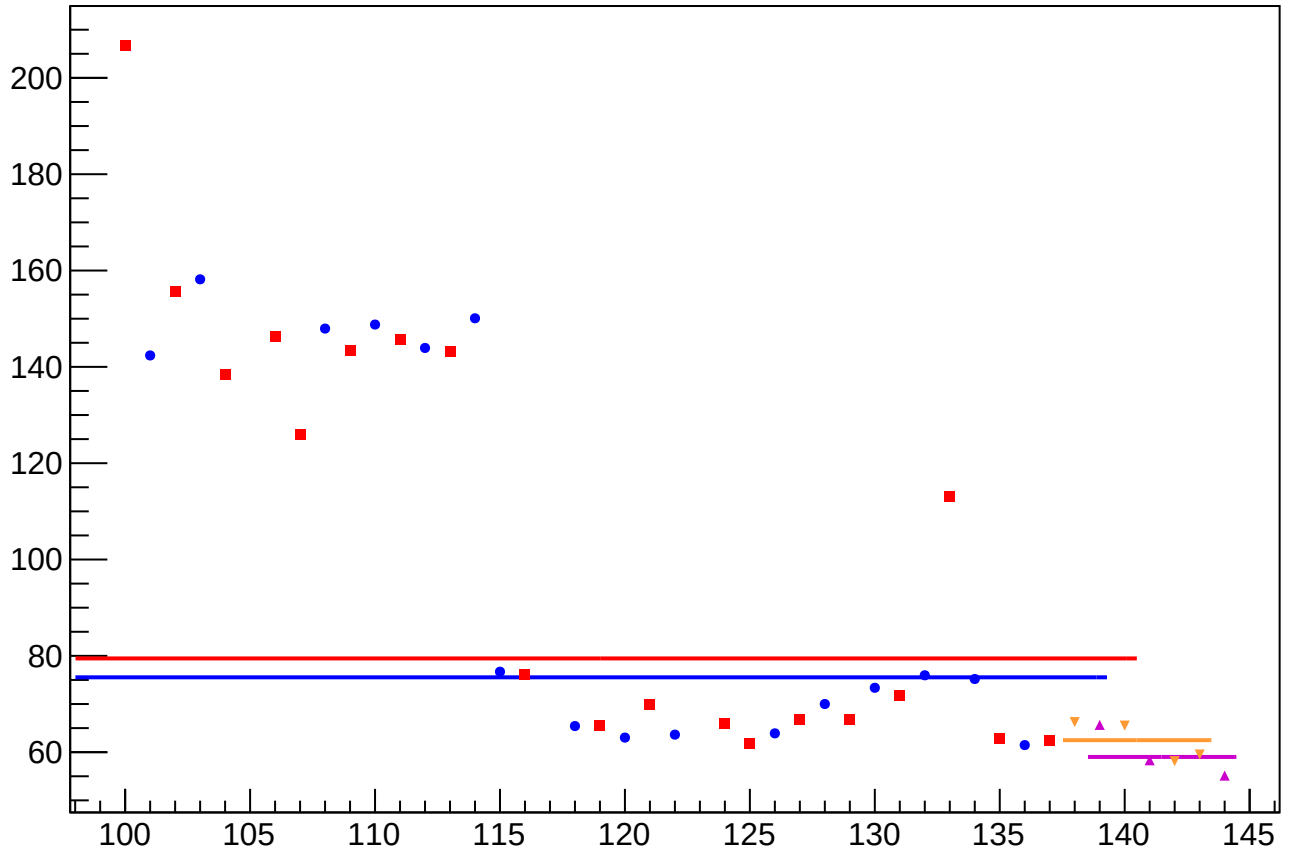
Left: 49.303+/-26.111 χ^2/NDF: 3.7/6

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 36.488+/-23.178 χ^2/NDF:21.3/18

Out: 56.058+/-23.922 χ^2/NDF:25.0/22

All: 45.964+/-16.646 χ^2/NDF: 46.7/41



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 62.492+/-0.026 χ^2/NDF:17337.7/3

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 59.012+/-0.026 χ^2/NDF:26300.8/2

Left: 60.728+/-0.018 χ^2/NDF: 52518.0/6

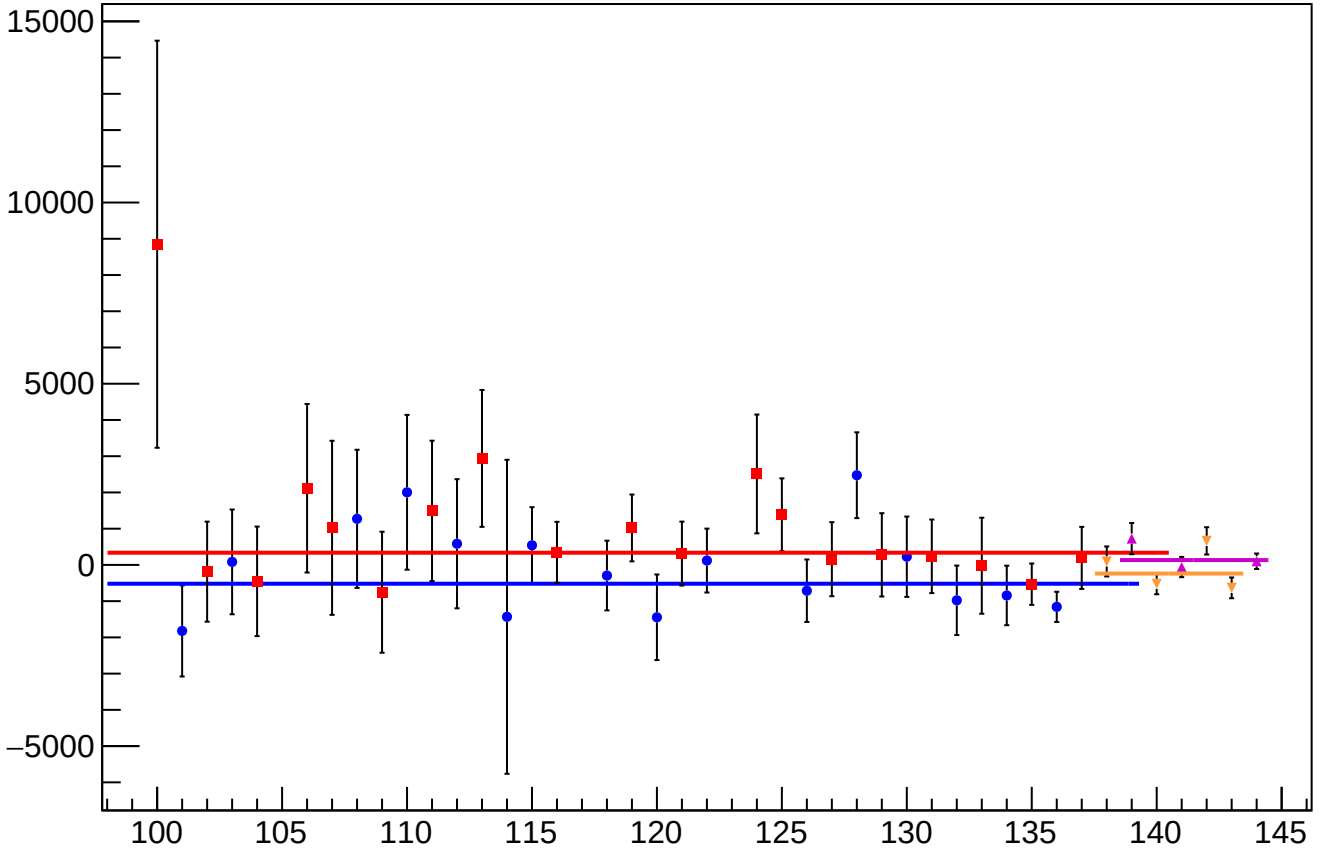
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 68.941+/-0.016 χ^2/NDF:1735909.9/18

Out: 72.440+/-0.017 χ^2/NDF:1945215.2/22

All: 70.635+/-0.012 χ^2/NDF: 3703188.5/41

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: -238.052+/-163.761 χ^2/NDF:9.3/3

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 134.034+/-157.754 χ^2/NDF:2.4/2

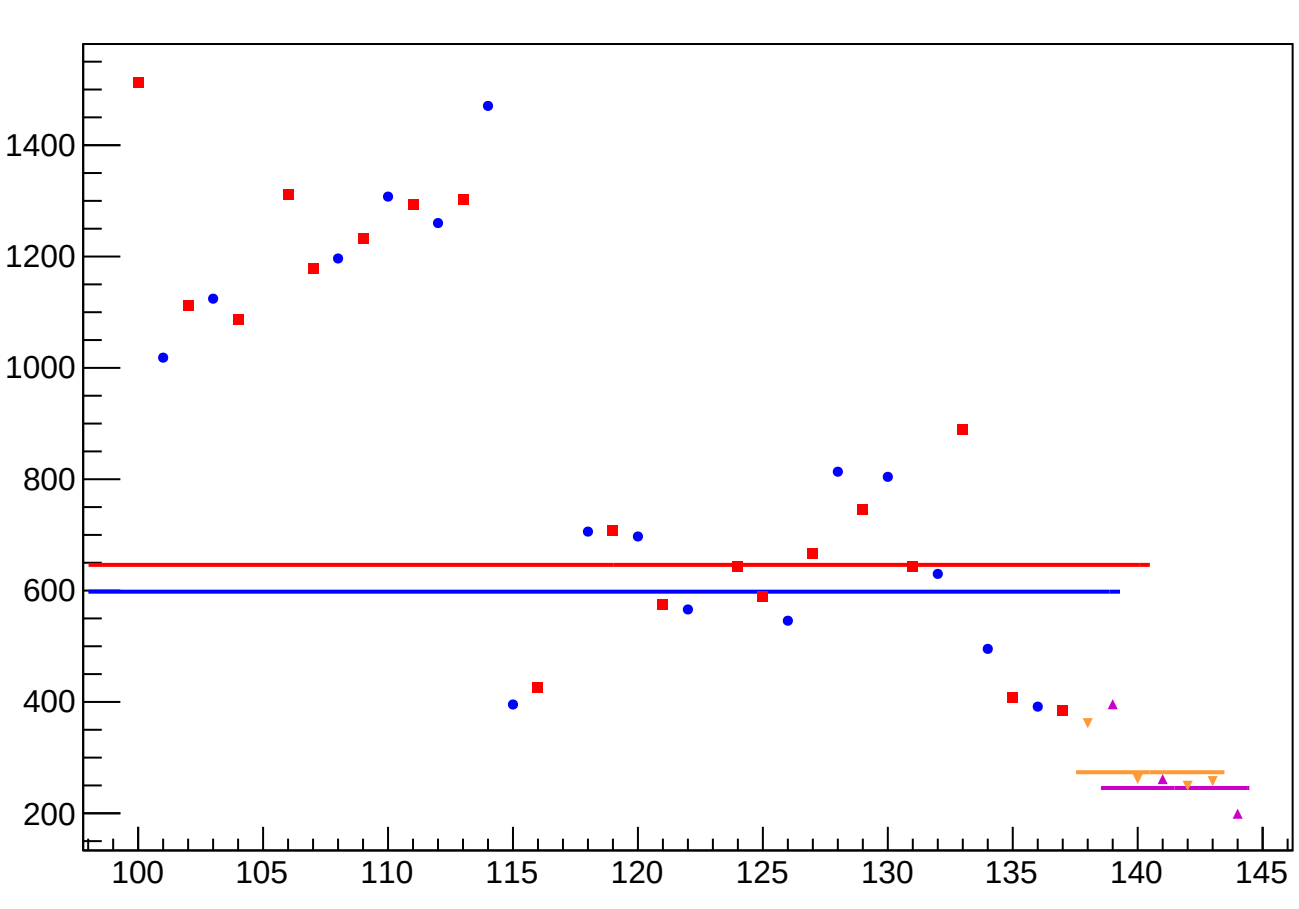
Left: -45.060+/-113.613 χ^2/NDF: 14.3/6

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -61.561+/-132.043 χ^2/NDF:23.3/18

Out: -71.717+/-138.047 χ^2/NDF:24.8/22

All: -66.413+/-95.420 χ^2/NDF: 48.1/41



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 273.738+/-0.116 χ^2/NDF:108695.6/3

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 245.458+/-0.112 χ^2/NDF:344207.6/2

Left: 259.070+/-0.080 χ^2/NDF: 483838.9/6

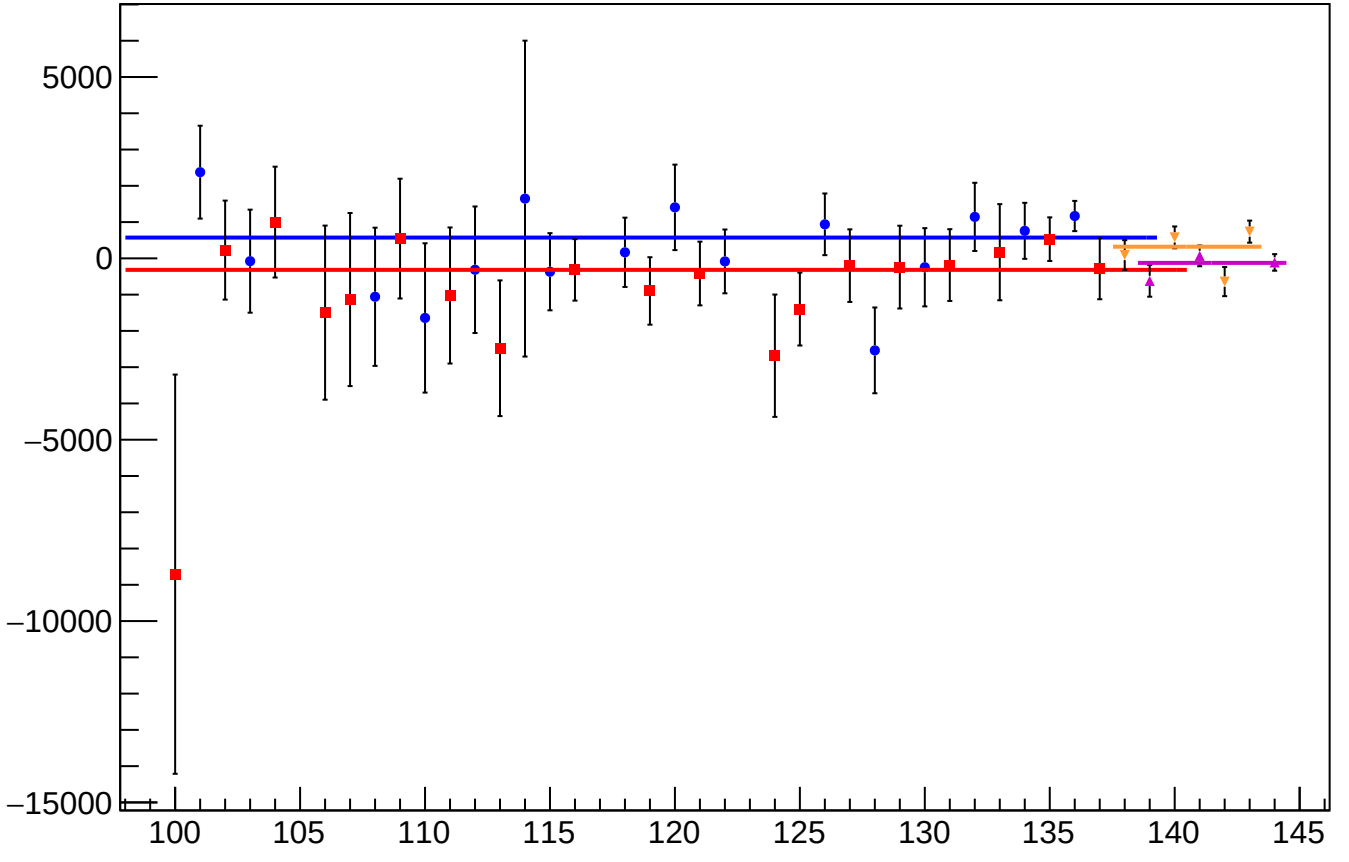
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 351.023+/-0.093 χ^2/NDF:5383278.4/18

Out: 381.520+/-0.098 χ^2/NDF:5307977.3/22

All: 365.594+/-0.067 χ^2/NDF: 10742230.0/41

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 321.088+/-171.573 χ^2/NDF:8.6/3

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -124.576+/-165.247 χ^2/NDF:1.8/2

Left: 89.889+/-119.021 χ^2/NDF: 13.9/6

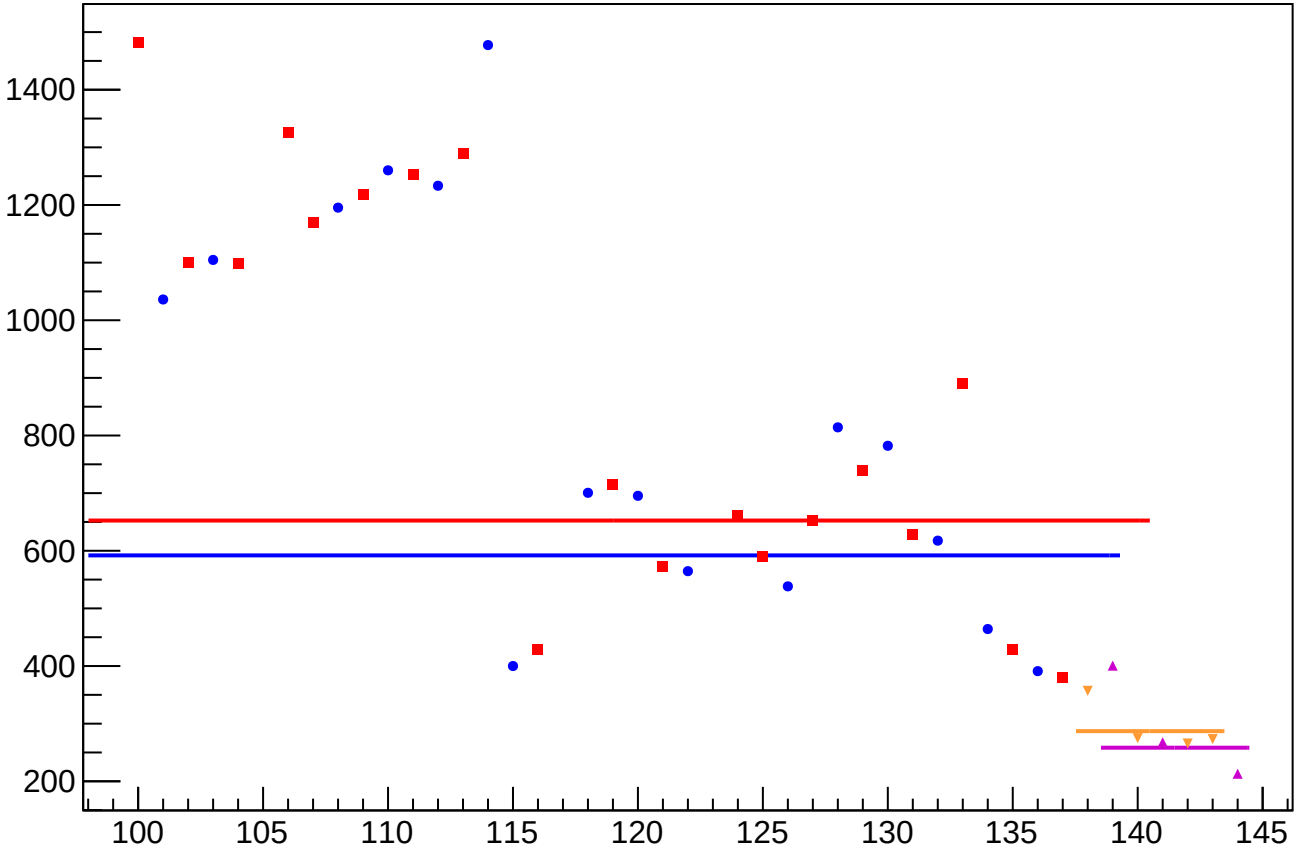
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 101.264+/-135.908 χ^2/NDF:24.1/18

Out: 125.731+/-142.907 χ^2/NDF:23.9/22

All: 112.884+/-98.483 χ^2/NDF: 48.0/41

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 287.005+/-0.121 χ^2/NDF:71302.5/3

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 258.280+/-0.117 χ^2/NDF:293540.4/2

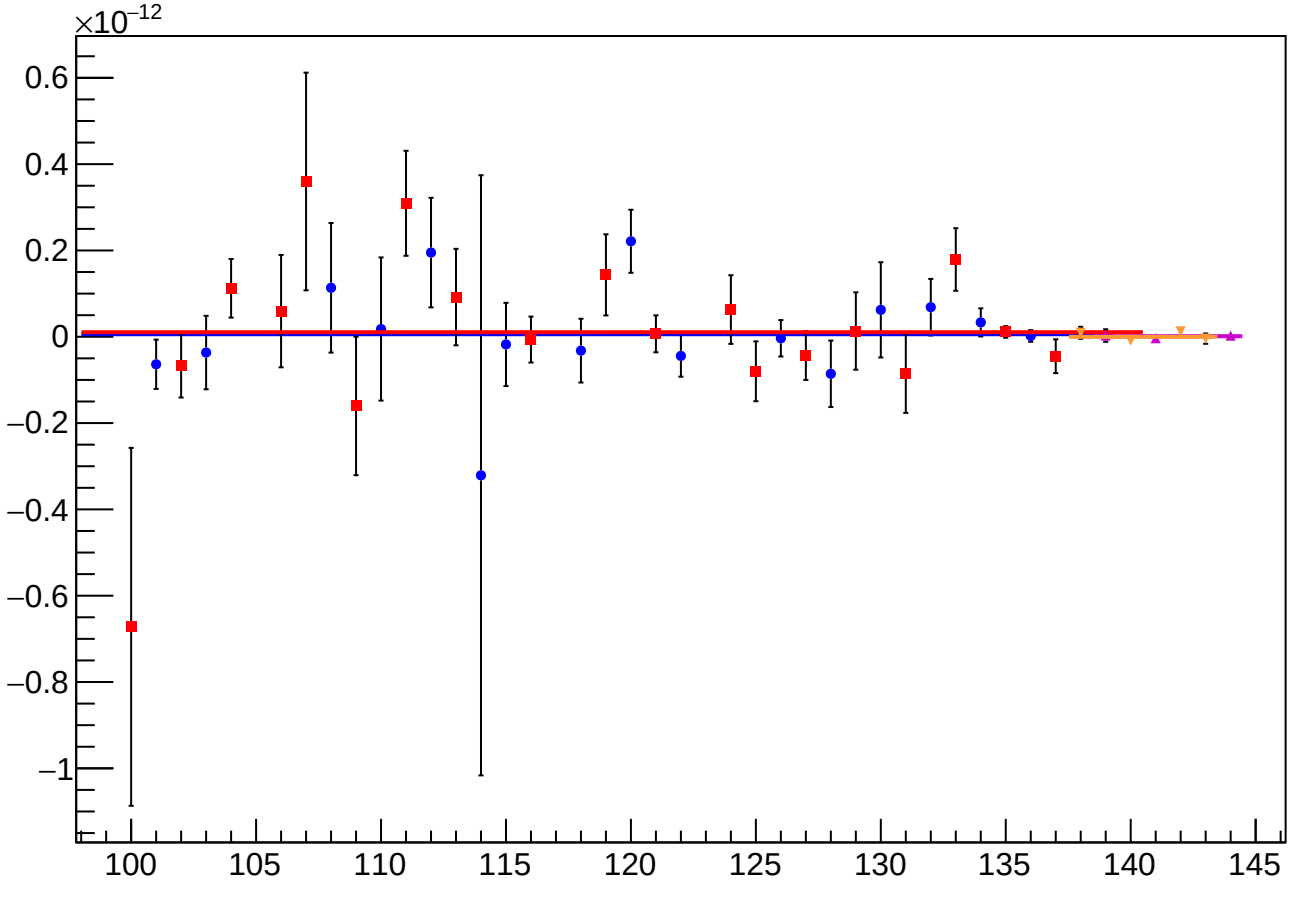
Left: 272.104+/-0.084 χ^2/NDF: 393925.2/6

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 366.256+/-0.096 χ^2/NDF:4968213.5/18

Out: 398.922+/-0.101 χ^2/NDF:4940108.3/22

All: 381.770+/-0.070 χ^2/NDF: 9963194.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/2

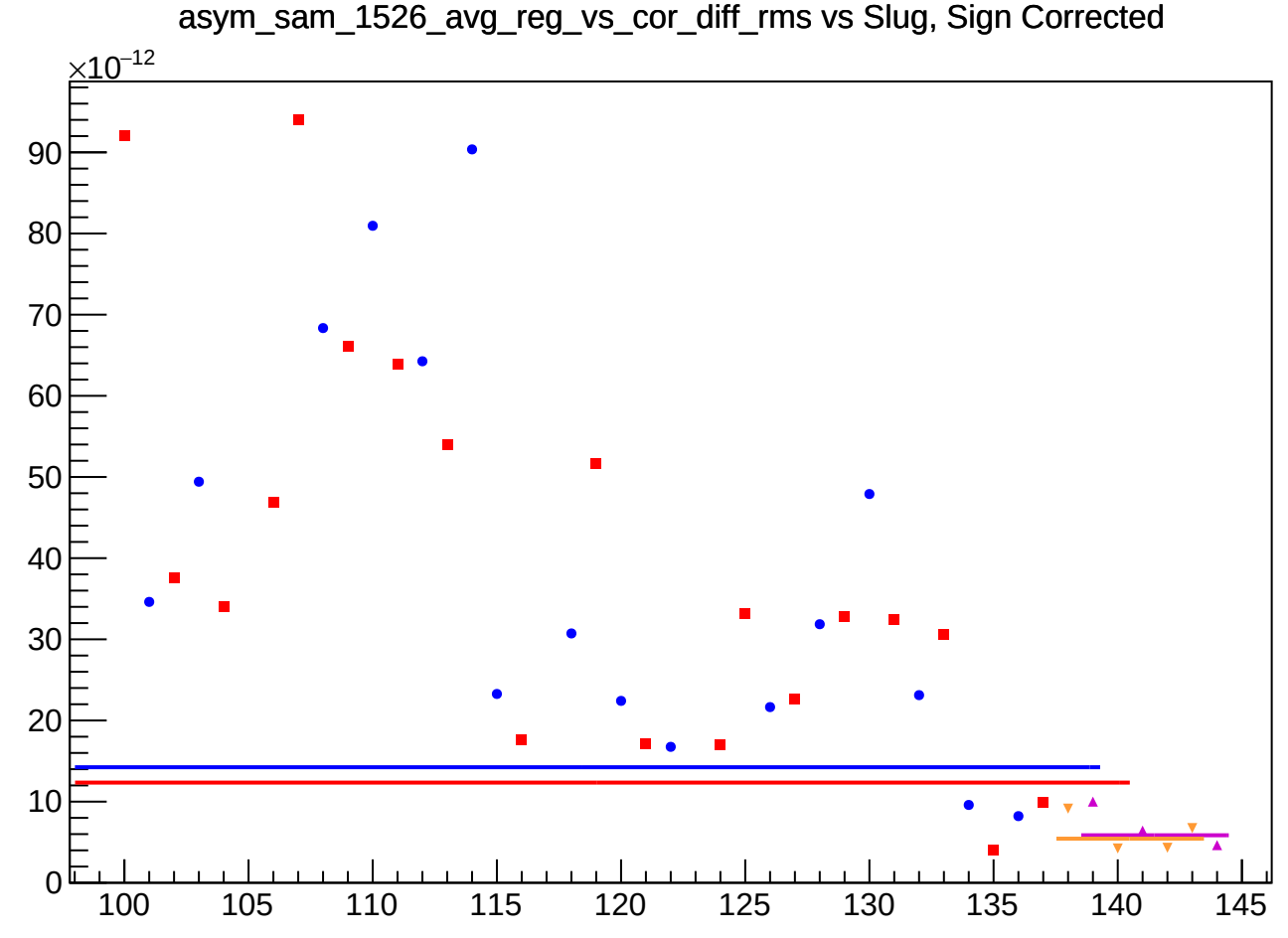
Left: 0.000+/-0.000 χ^2/NDF: 3.4/6

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:18.6/18

Out: 0.000+/-0.000 χ^2/NDF:33.5/22

All: 0.000+/-0.000 χ^2/NDF: 52.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:234158.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:226777.0/2

Left: 0.000+/-0.000 χ^2/NDF: 466874.9/6

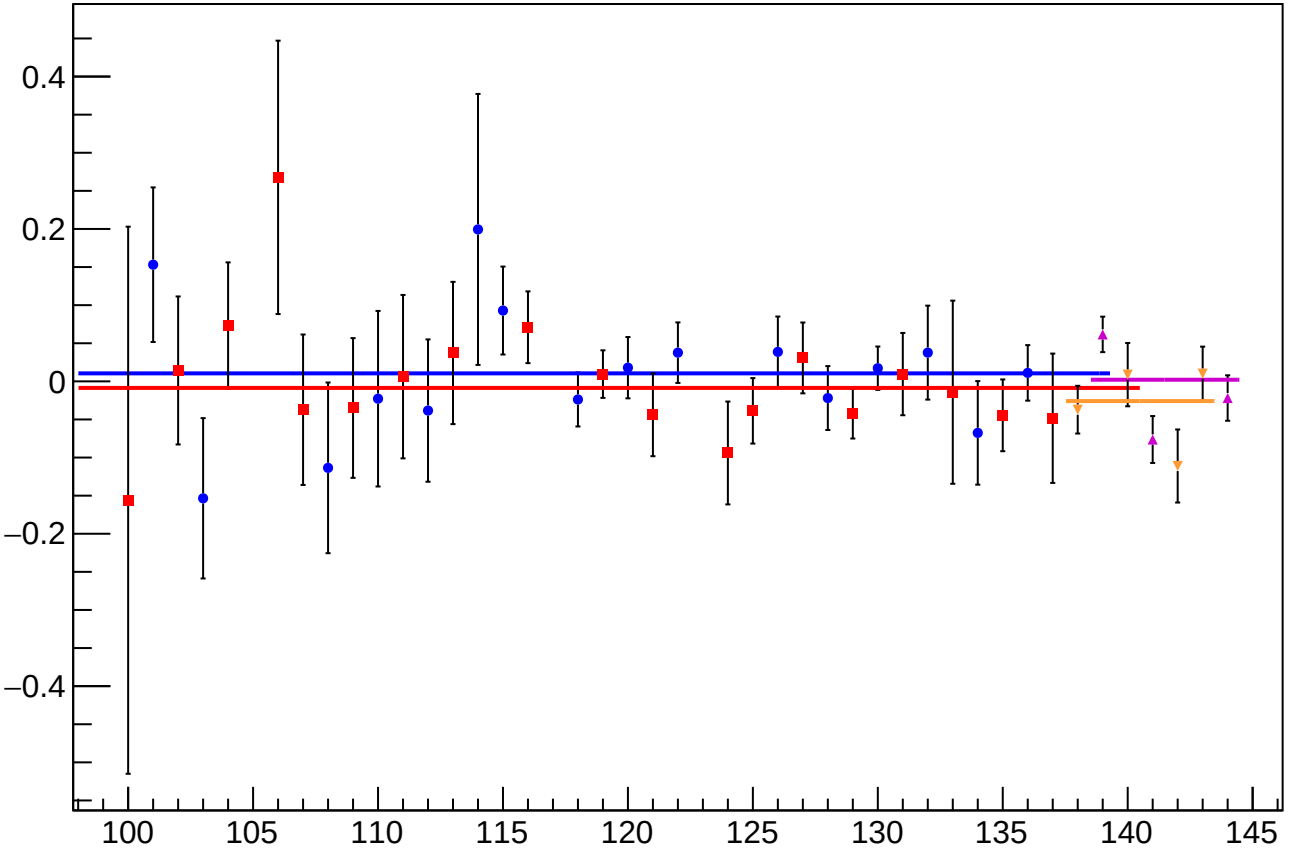
Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:3708695.6/18

Out: 0.000+/-0.000 χ^2/NDF:4396025.8/22

All: 0.000+/-0.000 χ^2/NDF: 8139849.7/41

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.016 χ^2/NDF:13.7/2

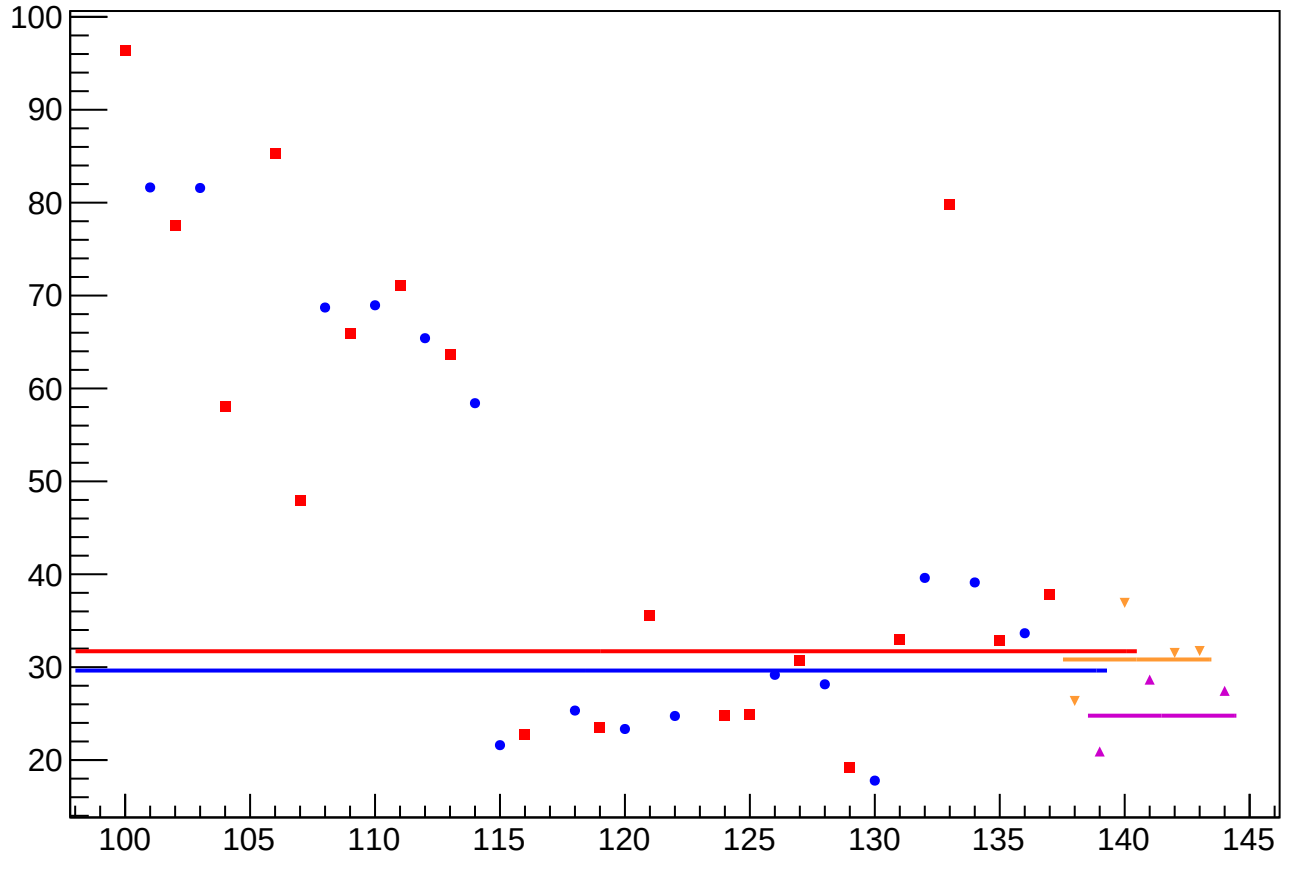
Left: -0.009+/-0.012 χ^2/NDF: 20.0/6

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.010 χ^2/NDF:27.0/18

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.002+/-0.007 χ^2/NDF: 47.2/41



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.826+/-0.013 χ^2/NDF:85505.9/3

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.5/2

Left: 27.273+/-0.009 χ^2/NDF: 309778.3/6

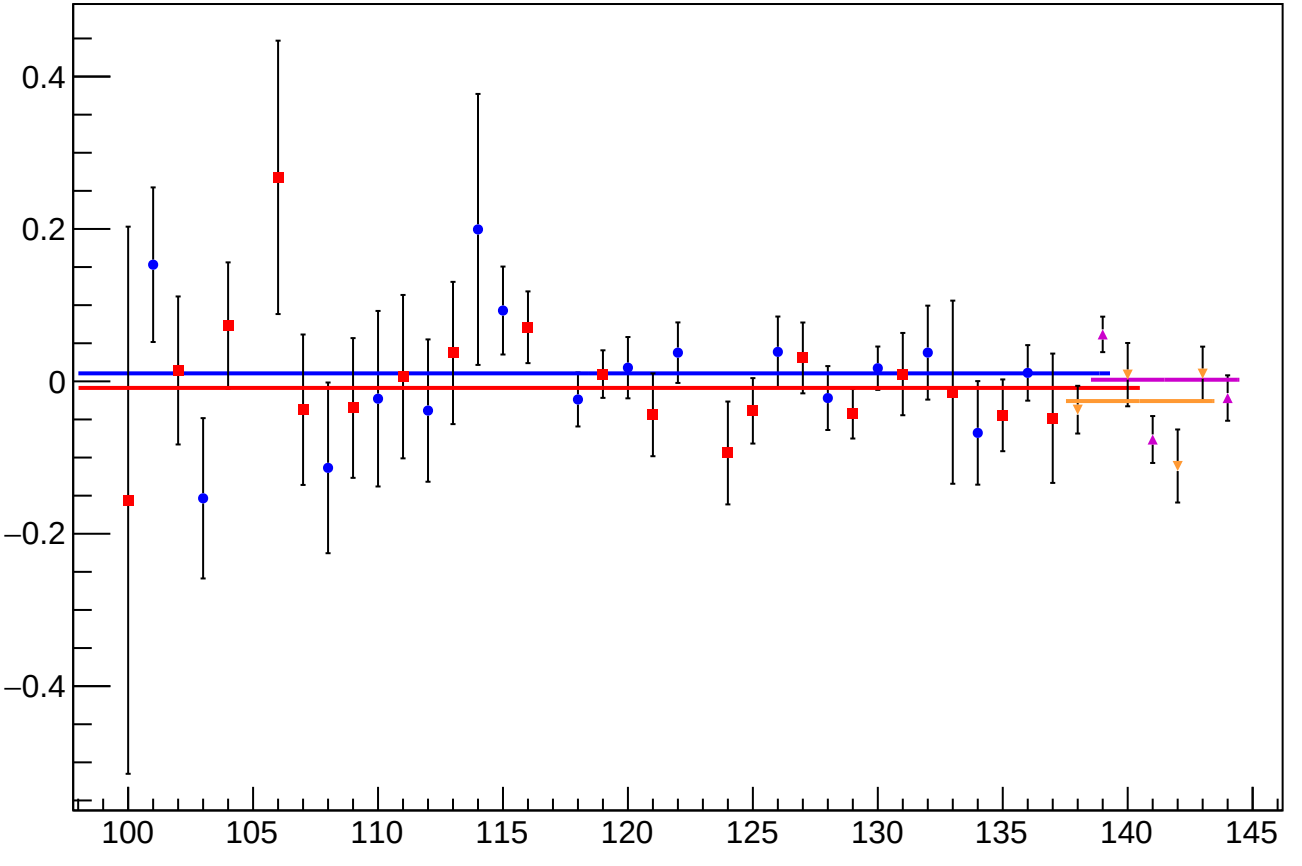
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.748+/-0.007 χ^2/NDF:2667379.0/18

Out: 31.418+/-0.008 χ^2/NDF:2739948.8/22

All: 29.405+/-0.005 χ^2/NDF: 5533404.2/41

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.016 χ^2/NDF:13.7/2

Left: -0.009+/-0.012 χ^2/NDF: 20.0/6

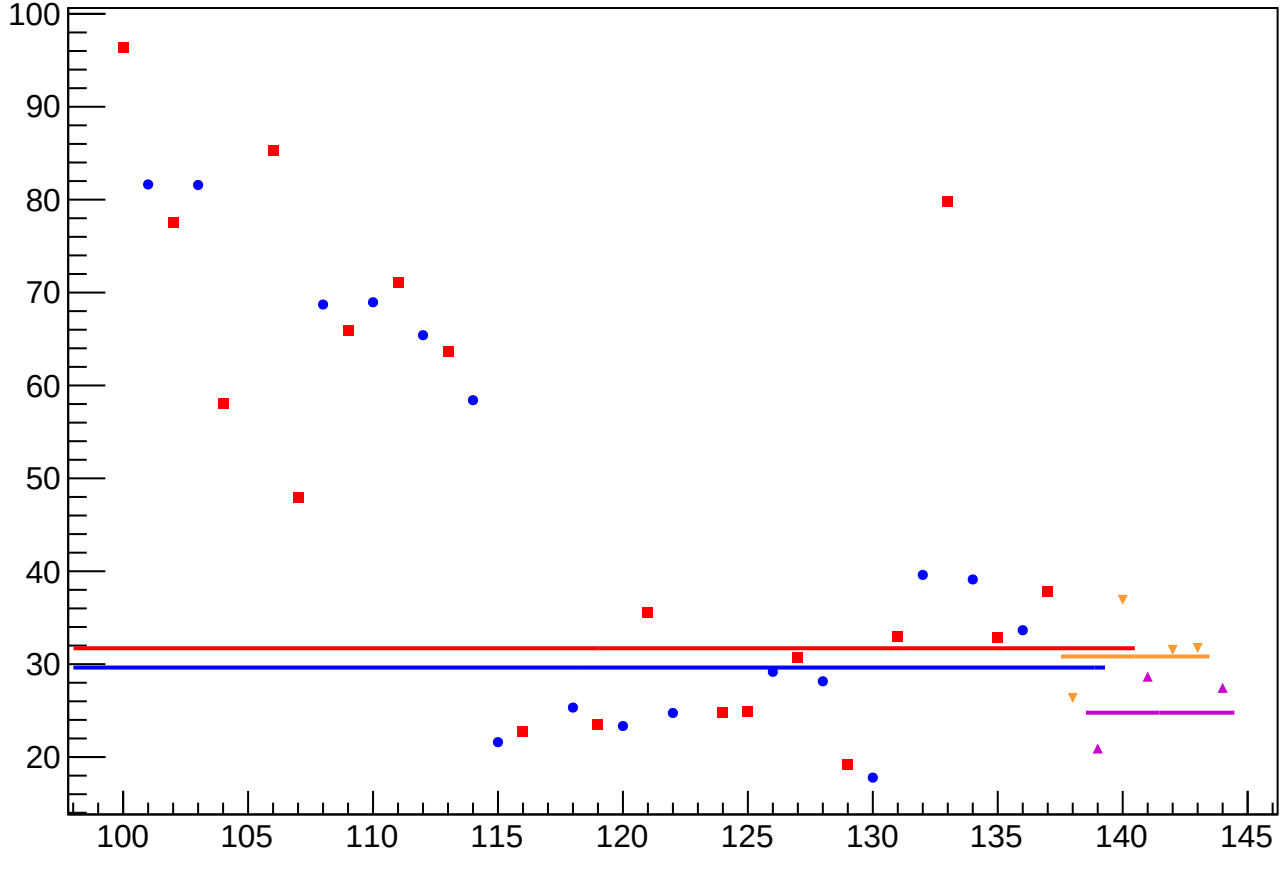
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.010 χ^2/NDF:27.0/18

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.002+/-0.007 χ^2/NDF: 47.2/41

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.826+/-0.013 χ^2/NDF:85505.9/3

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 24.777+/-0.011 χ^2/NDF:102702.5/2

Left: 27.273+/-0.009 χ^2/NDF: 309778.3/6

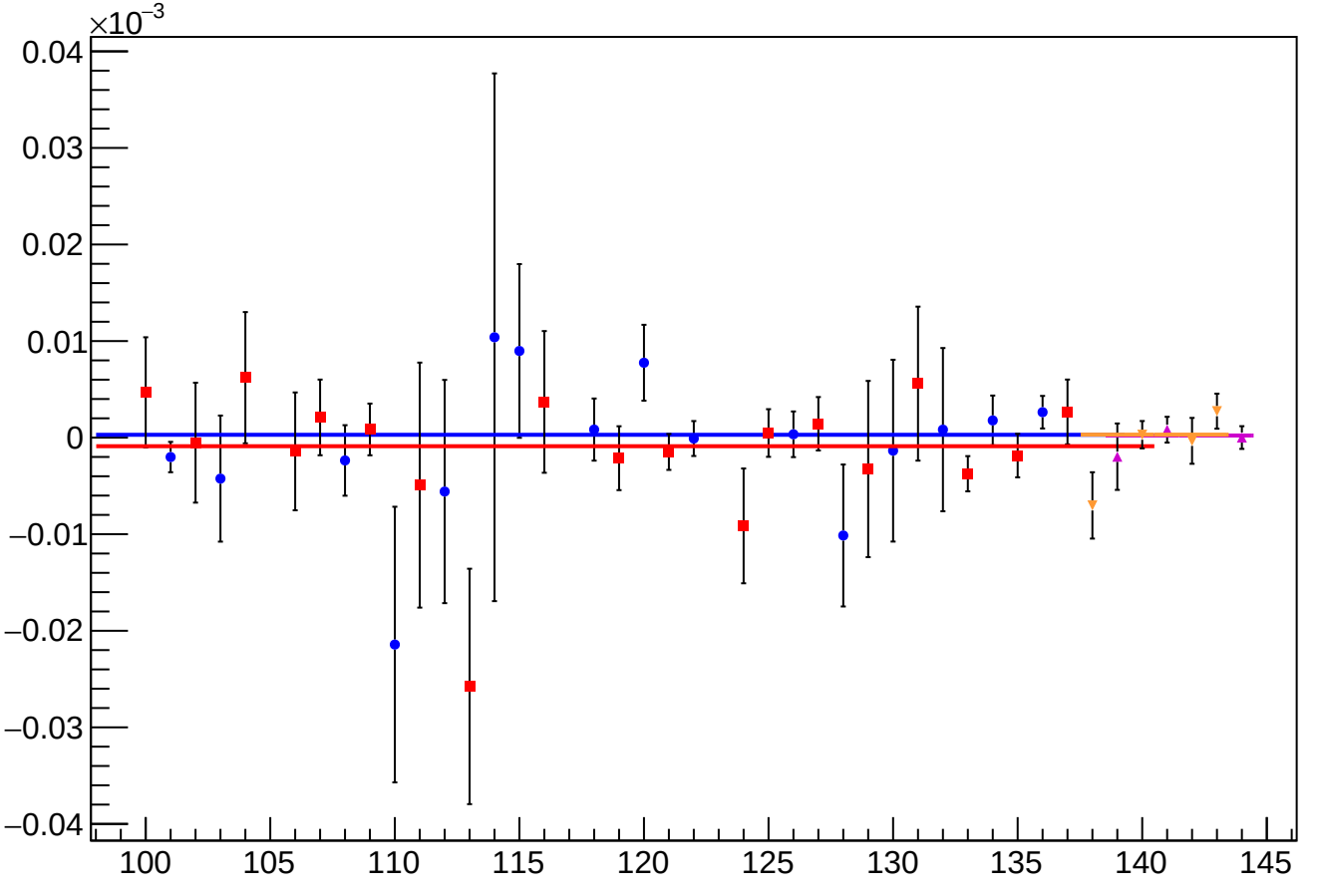
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.748+/-0.007 χ^2/NDF:2667379.0/18

Out: 31.418+/-0.008 χ^2/NDF:2739948.8/22

All: 29.405+/-0.005 χ^2/NDF: 5533404.2/41

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

Left: 0.000+/-0.000 χ^2/NDF: 7.1/6

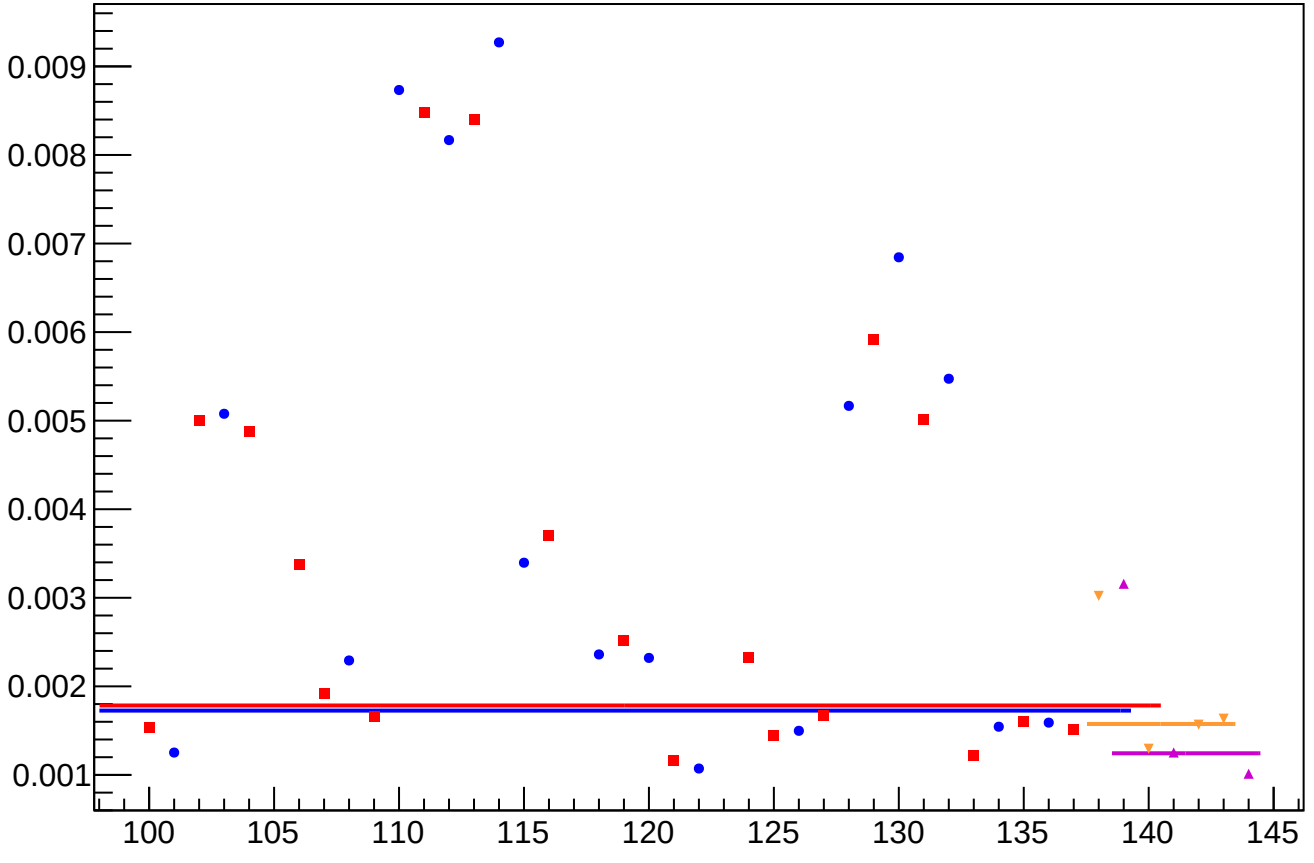
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:15.4/18

Out: -0.000+/-0.000 χ^2/NDF:22.7/22

All: -0.000+/-0.000 χ^2/NDF: 38.8/41

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: 0.002+/-0.000 χ^2/NDF:434602.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:696846.7/2

Left: 0.001+/-0.000 χ^2/NDF: 1262480.3/6

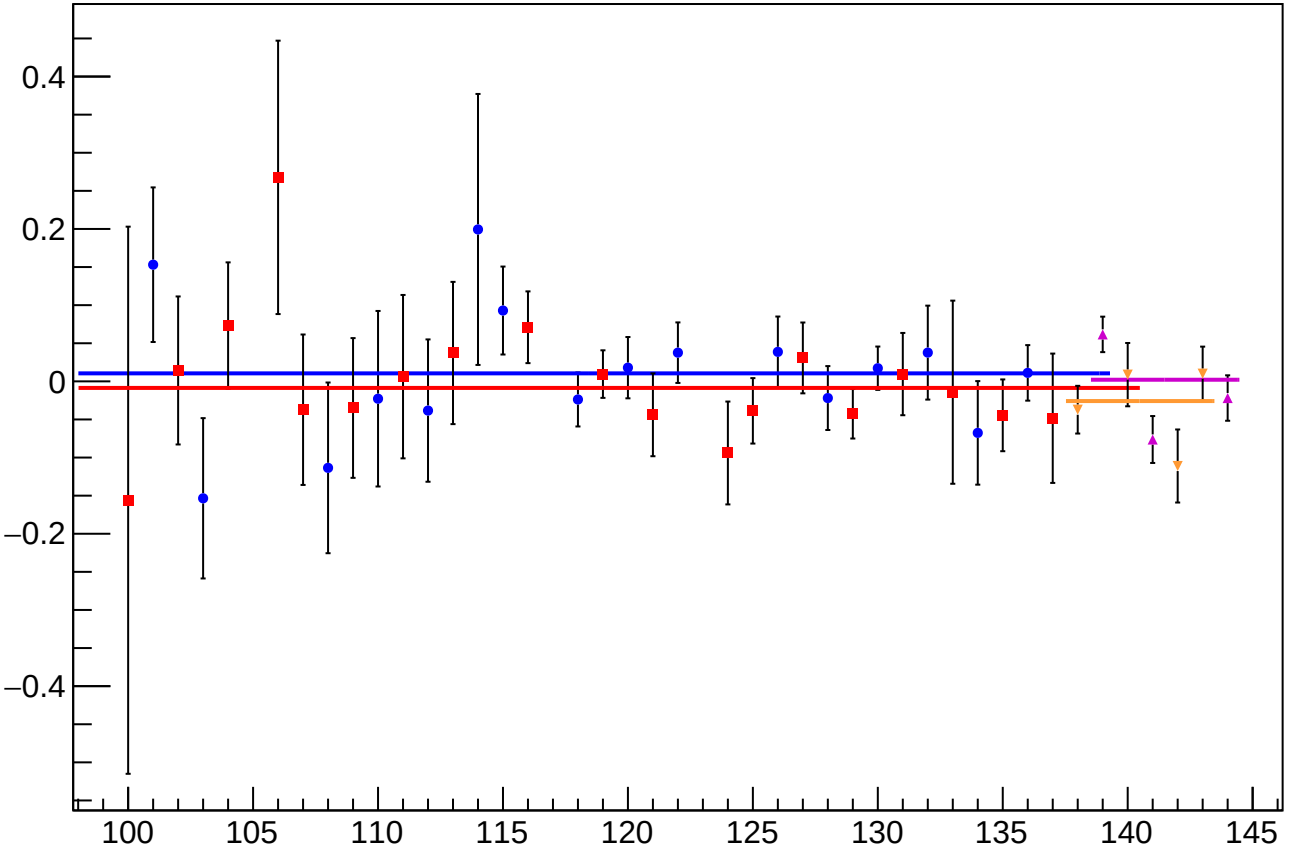
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4983249.3/18

Out: 0.002+/-0.000 χ^2/NDF:4209932.1/22

All: 0.002+/-0.000 χ^2/NDF: 9297035.6/41

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.016 χ^2/NDF:13.7/2

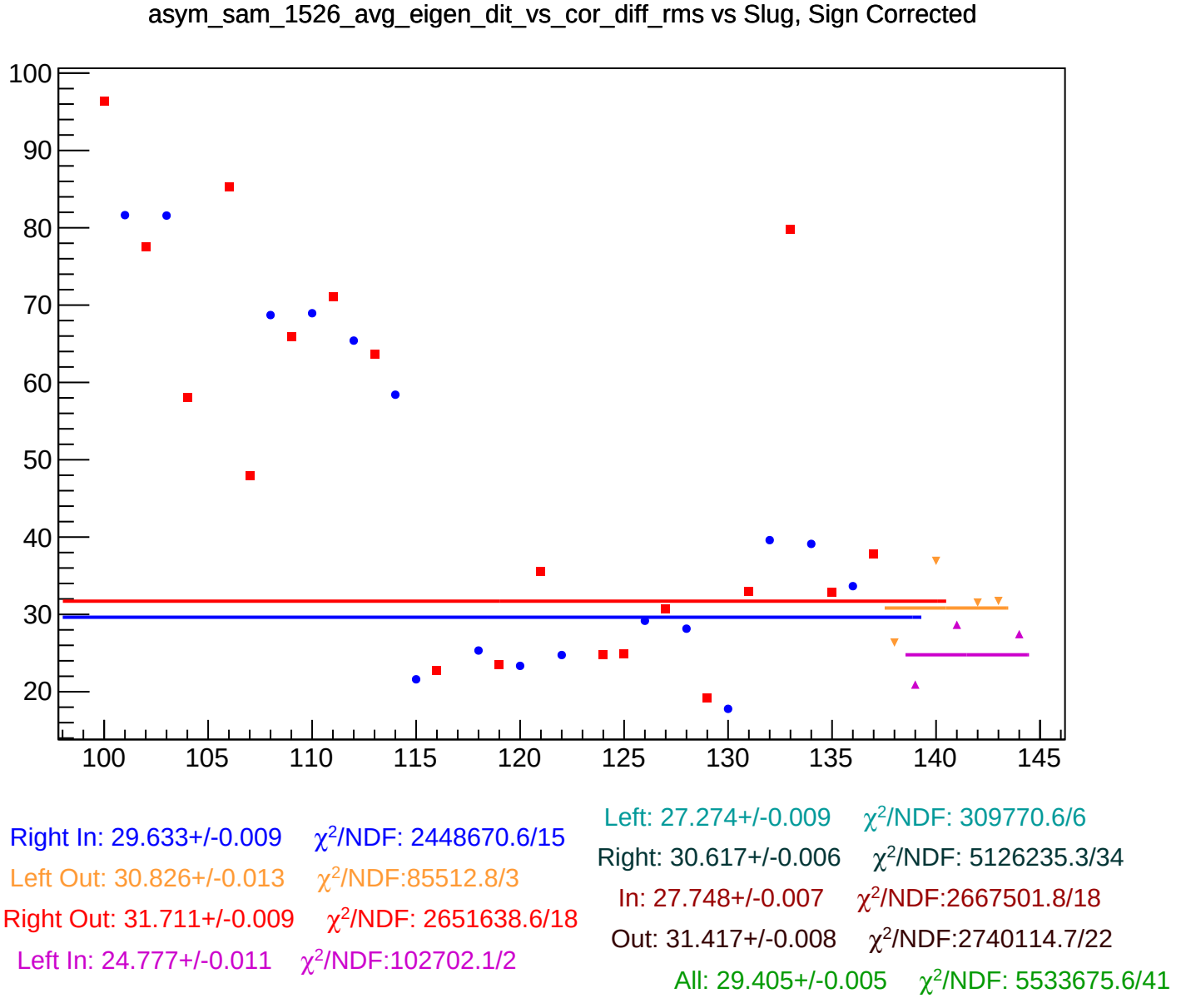
Left: -0.009+/-0.012 χ^2/NDF: 20.0/6

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

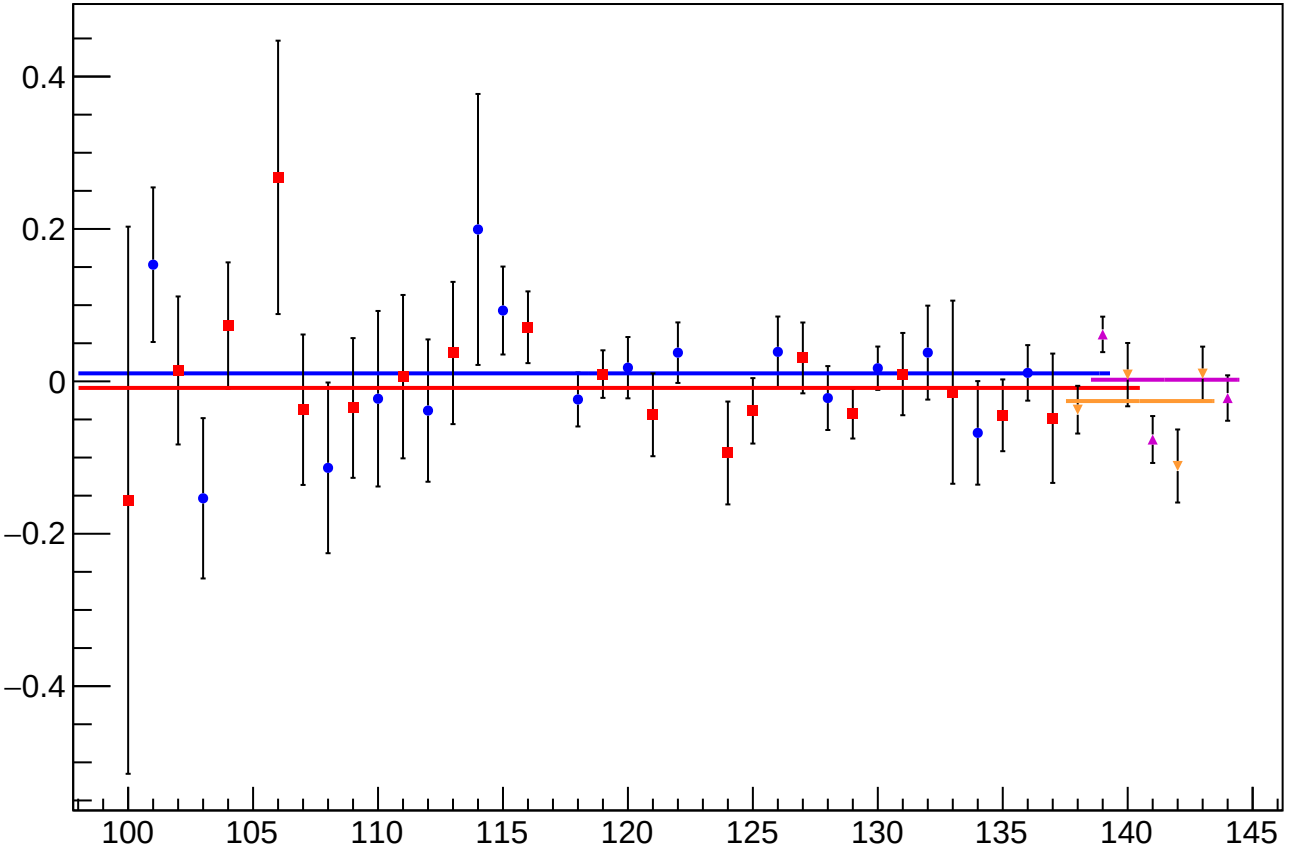
In: 0.007+/-0.010 χ^2/NDF:27.0/18

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.002+/-0.007 χ^2/NDF: 47.2/41


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.826+/-0.013 χ²/NDF:85512.8/3
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 24.777+/-0.011 χ²/NDF:102702.1/2
Left: 27.274+/-0.009 χ²/NDF: 309770.6/6
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 27.748+/-0.007 χ²/NDF:2667501.8/18
Out: 31.417+/-0.008 χ²/NDF:2740114.7/22
All: 29.405+/-0.005 χ²/NDF: 5533675.6/41

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.016 χ^2/NDF:13.7/2

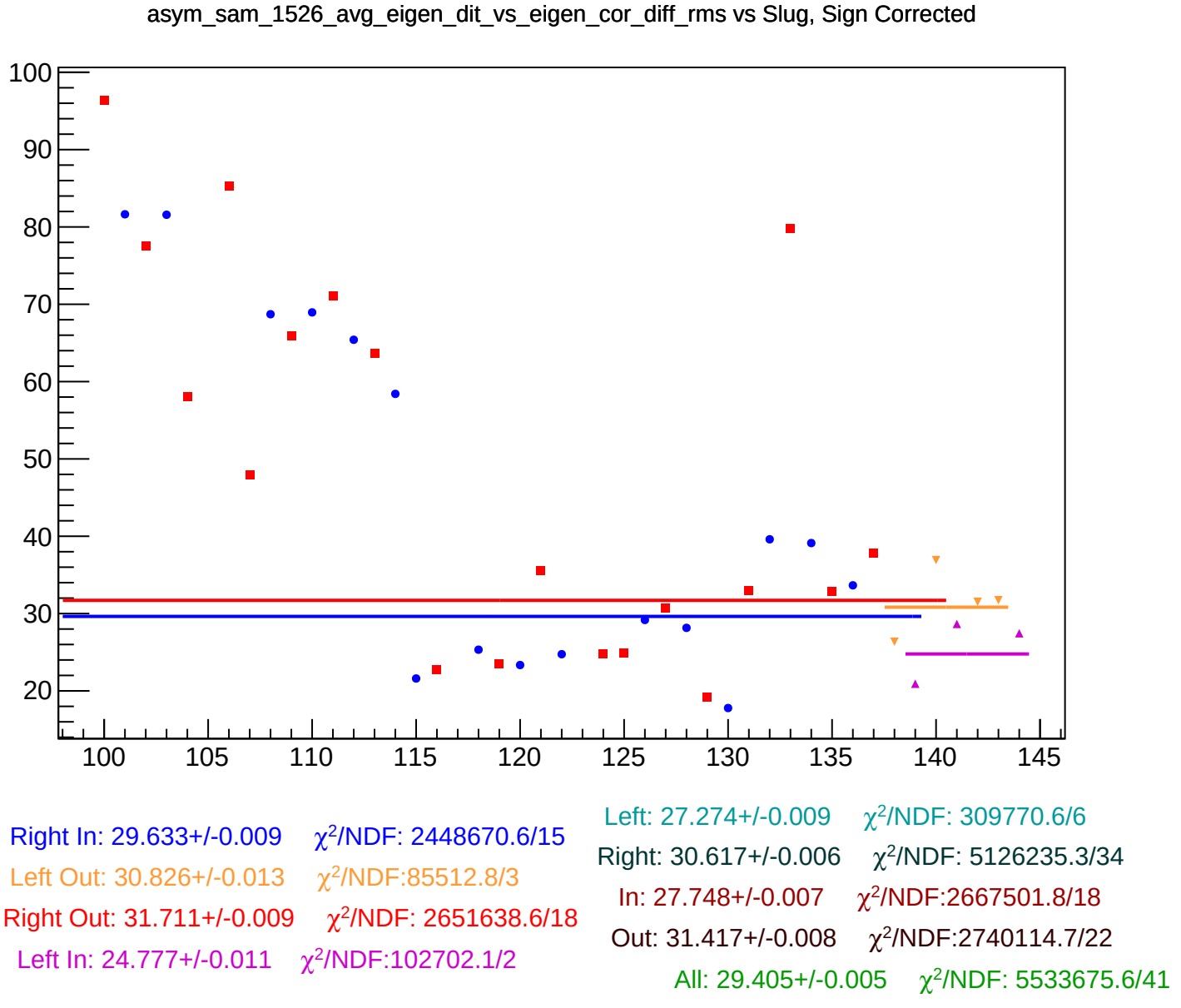
Left: -0.009+/-0.012 χ^2/NDF: 20.0/6

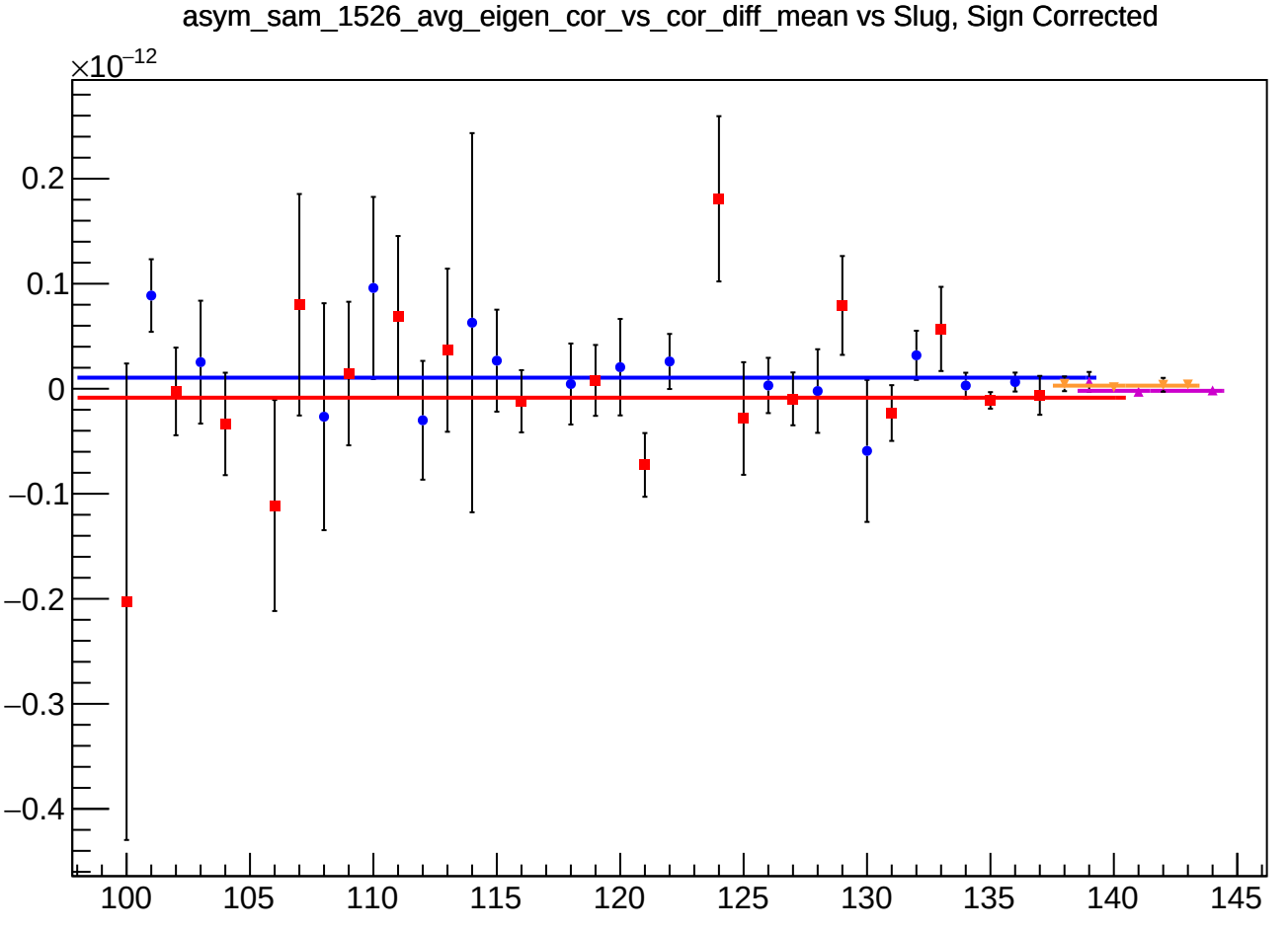
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.010 χ^2/NDF:27.0/18

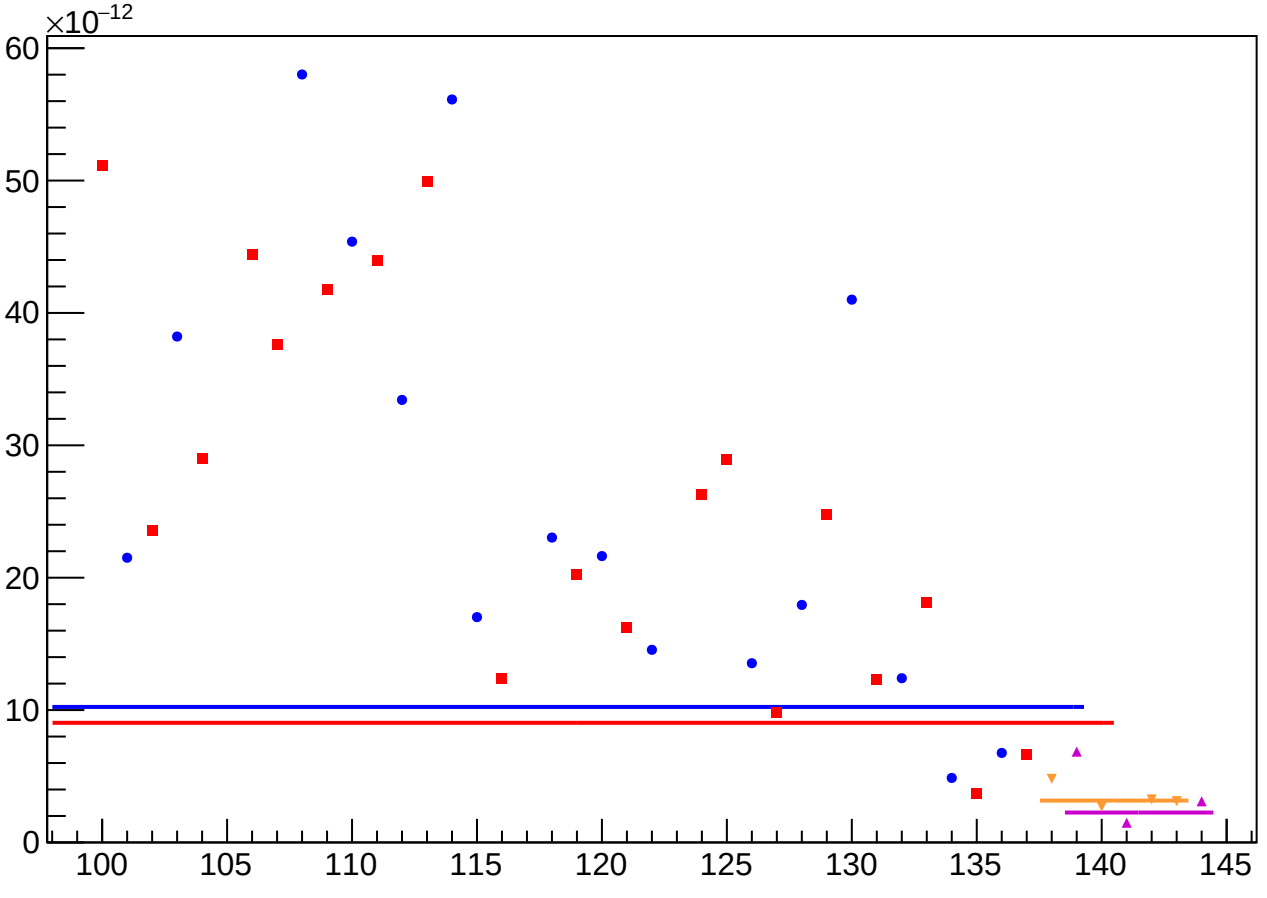
Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.002+/-0.007 χ^2/NDF: 47.2/41


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 29.633+/-0.009 χ2/NDF: 2448670.6/15
Left Out: 30.826+/-0.013 χ2/NDF:85512.8/3
Right Out: 31.711+/-0.009 χ2/NDF: 2651638.6/18
Left In: 24.777+/-0.011 χ2/NDF:102702.1/2
Left: 27.274+/-0.009 χ2/NDF: 309770.6/6
Right: 30.617+/-0.006 χ2/NDF: 5126235.3/34
In: 27.748+/-0.007 χ2/NDF:2667501.8/18
Out: 31.417+/-0.008 χ2/NDF:2740114.7/22
All: 29.405+/-0.005 χ2/NDF: 5533675.6/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/2
Left: 0.000+/-0.000 χ²/NDF: 3.5/6
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:14.9/18
Out: 0.000+/-0.000 χ²/NDF:24.9/22
All: 0.000+/-0.000 χ²/NDF: 40.1/41

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:140535.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:727148.5/2

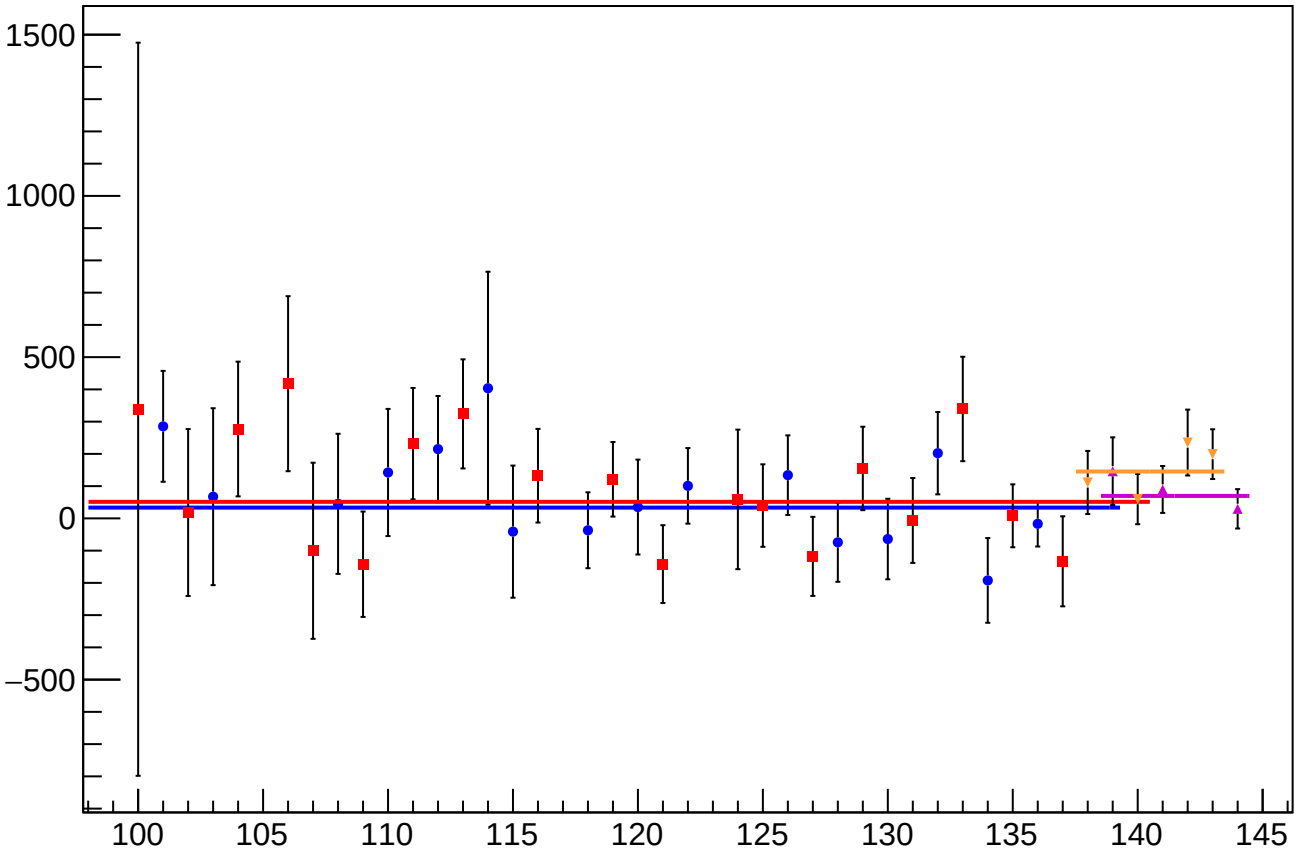
Left: 0.000+/-0.000 χ^2/NDF: 1019393.5/6

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7368850.7/18

Out: 0.000+/-0.000 χ^2/NDF:6332667.7/22

All: 0.000+/-0.000 χ^2/NDF: 13855048.5/41



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.317+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 69.634+/-42.720 χ^2/NDF:1.0/2

Left: 106.959+/-30.413 χ^2/NDF: 5.2/6

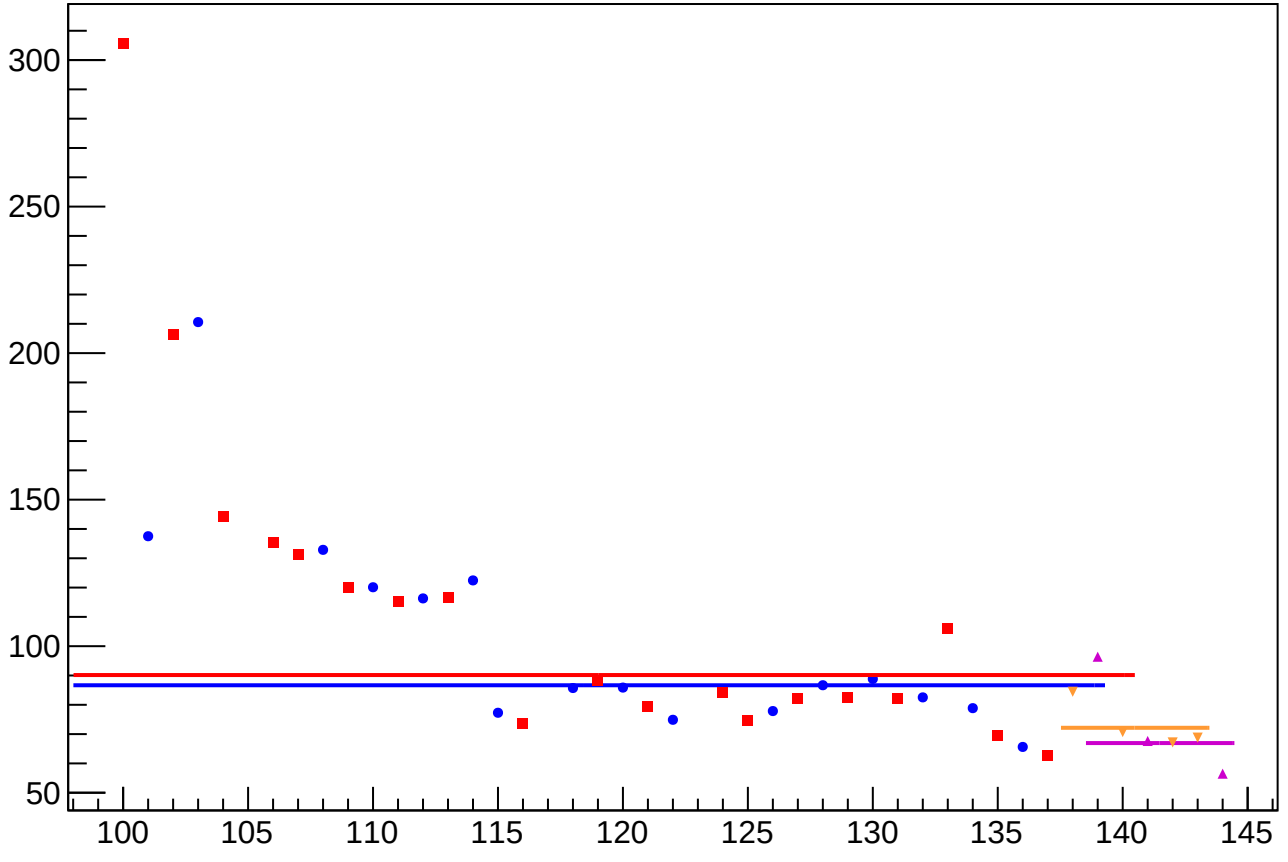
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 47.410+/-26.546 χ^2/NDF:14.3/18

Out: 88.275+/-27.151 χ^2/NDF:25.0/22

All: 67.382+/-18.981 χ^2/NDF: 40.5/41

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

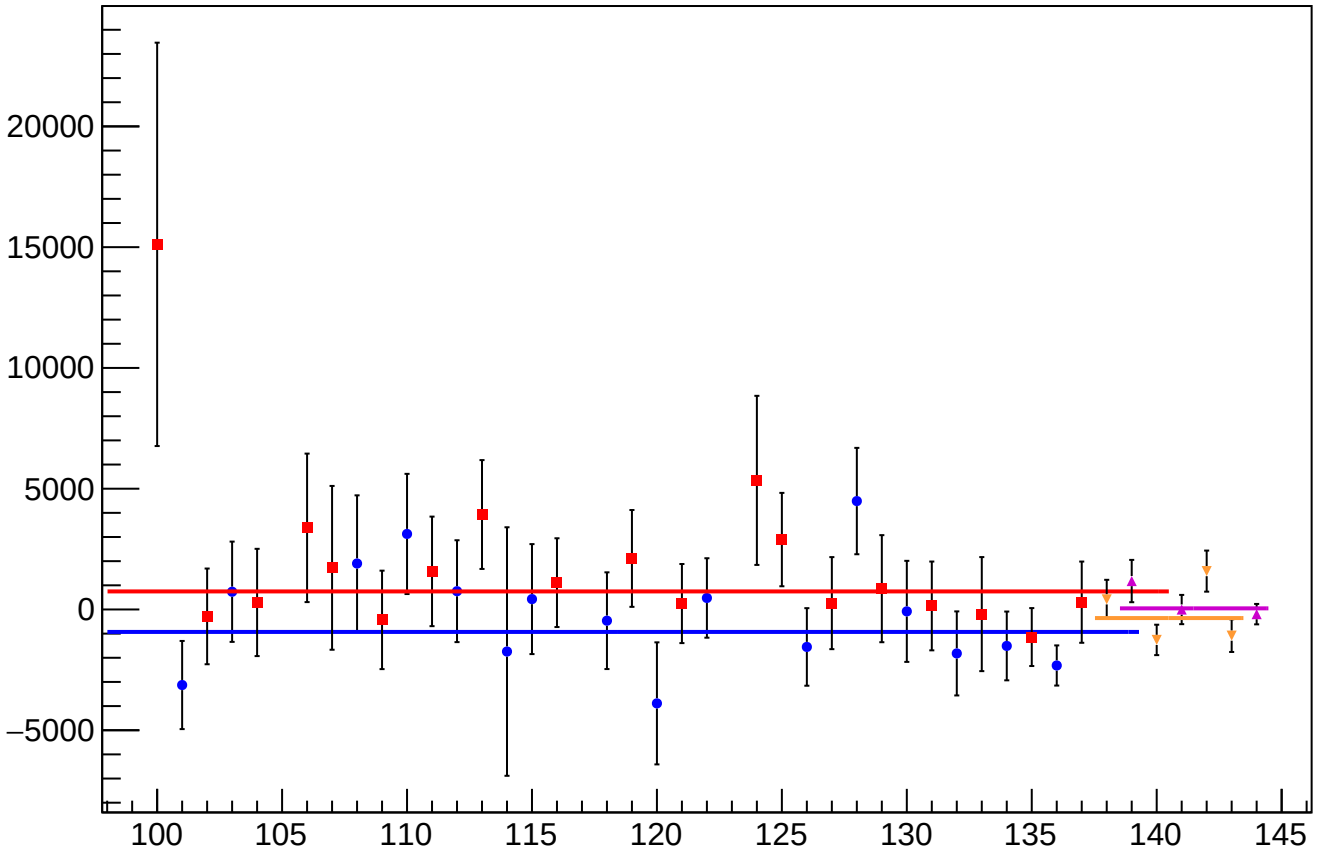
Left: 69.512+/-0.022 χ^2/NDF: 271554.2/6

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 79.050+/-0.019 χ^2/NDF:1516579.2/18

Out: 83.078+/-0.019 χ^2/NDF:1400487.6/22

All: 81.019+/-0.013 χ^2/NDF: 2939568.4/41



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -356.046+/-362.238 χ^2/NDF:9.4/3

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 46.030+/-322.264 χ^2/NDF:2.0/2

Left: -131.606+/-240.772 χ^2/NDF: 12.0/6

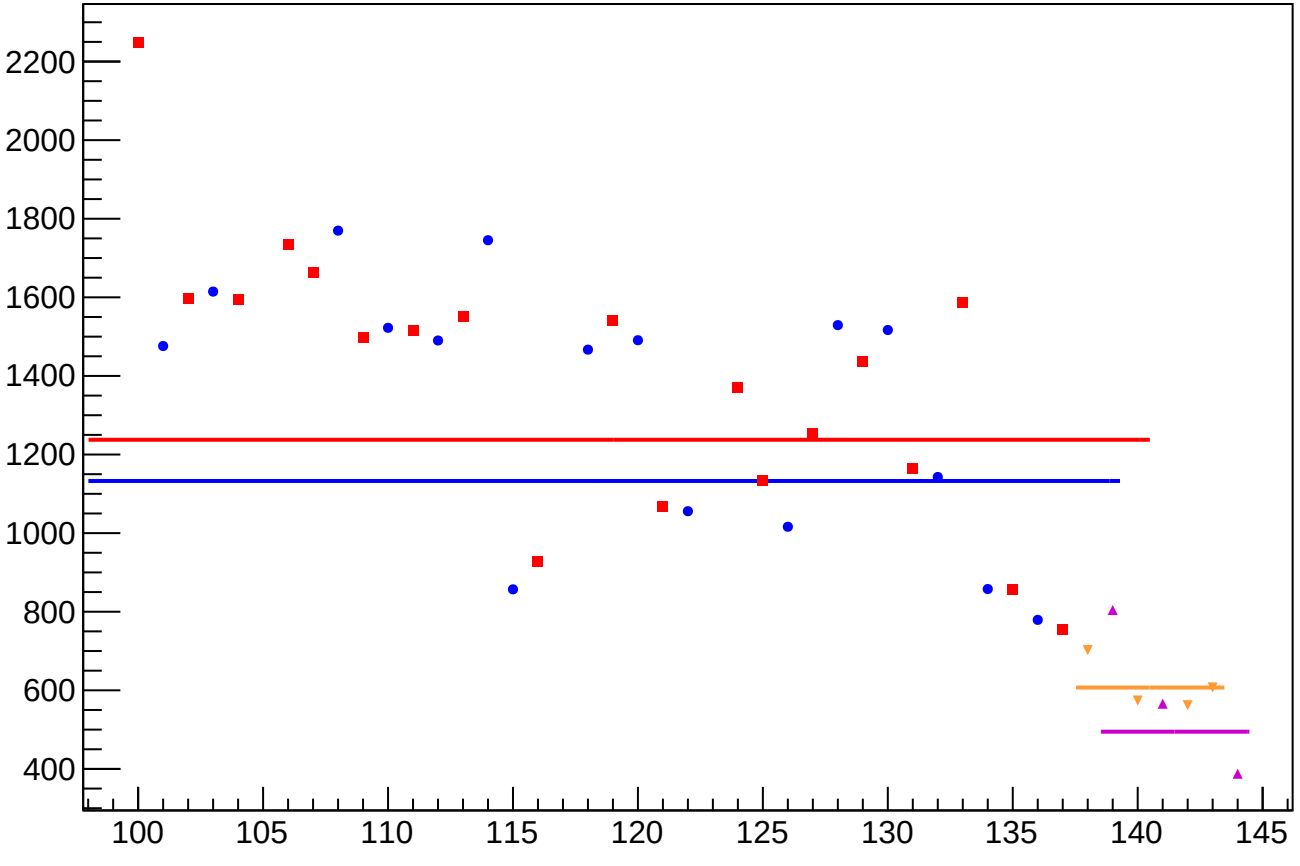
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -293.782+/-260.172 χ^2/NDF:23.7/18

Out: 57.389+/-286.433 χ^2/NDF:25.8/22

All: -135.029+/-192.586 χ^2/NDF: 50.4/41

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 607.083+/-0.256 χ^2/NDF:38832.5/3

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 494.758+/-0.228 χ^2/NDF:405690.0/2

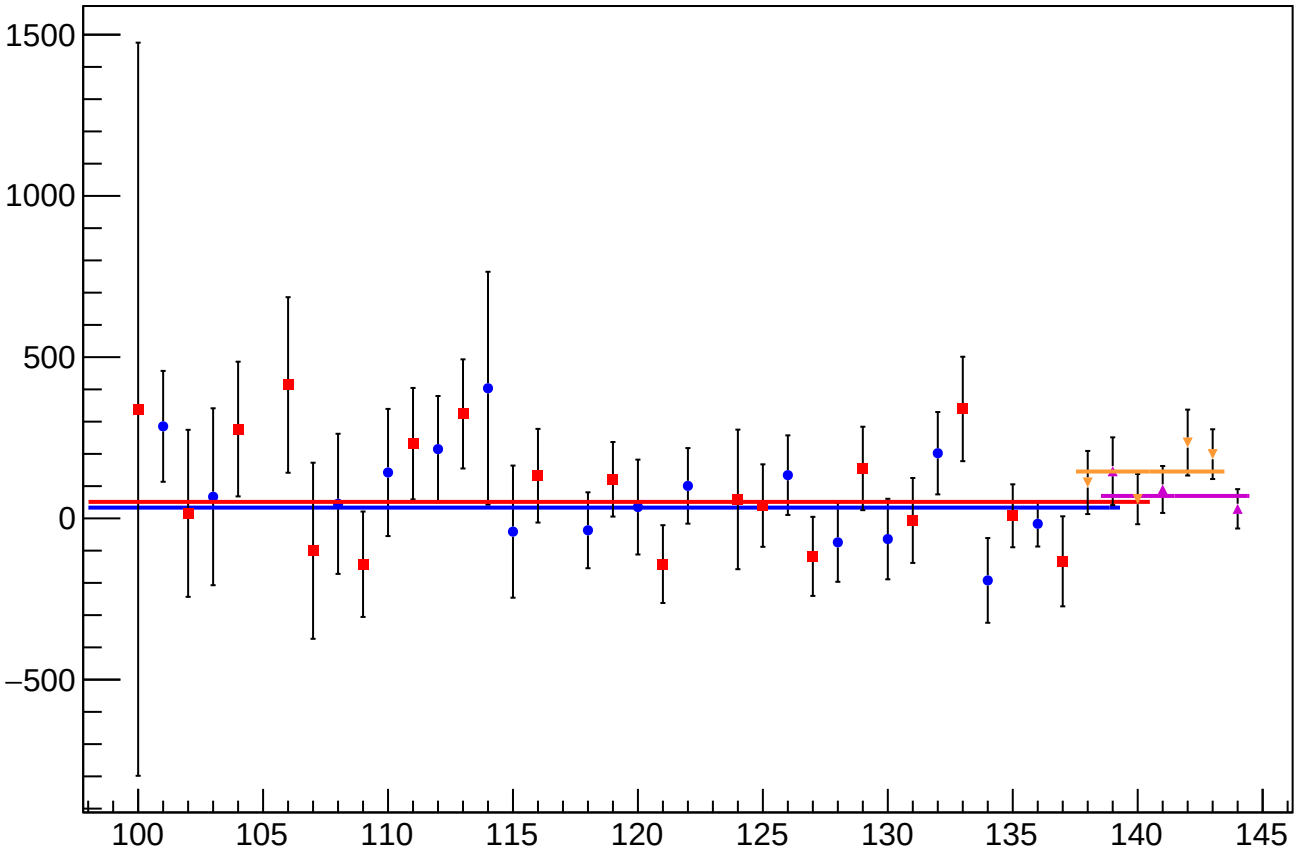
Left: 544.383+/-0.170 χ^2/NDF: 551868.0/6

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 716.899+/-0.184 χ^2/NDF:4258880.0/18

Out: 843.363+/-0.203 χ^2/NDF:3204840.0/22

All: 774.069+/-0.136 χ^2/NDF: 7677339.9/41



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 69.636+/-42.720 χ^2/NDF:1.0/2

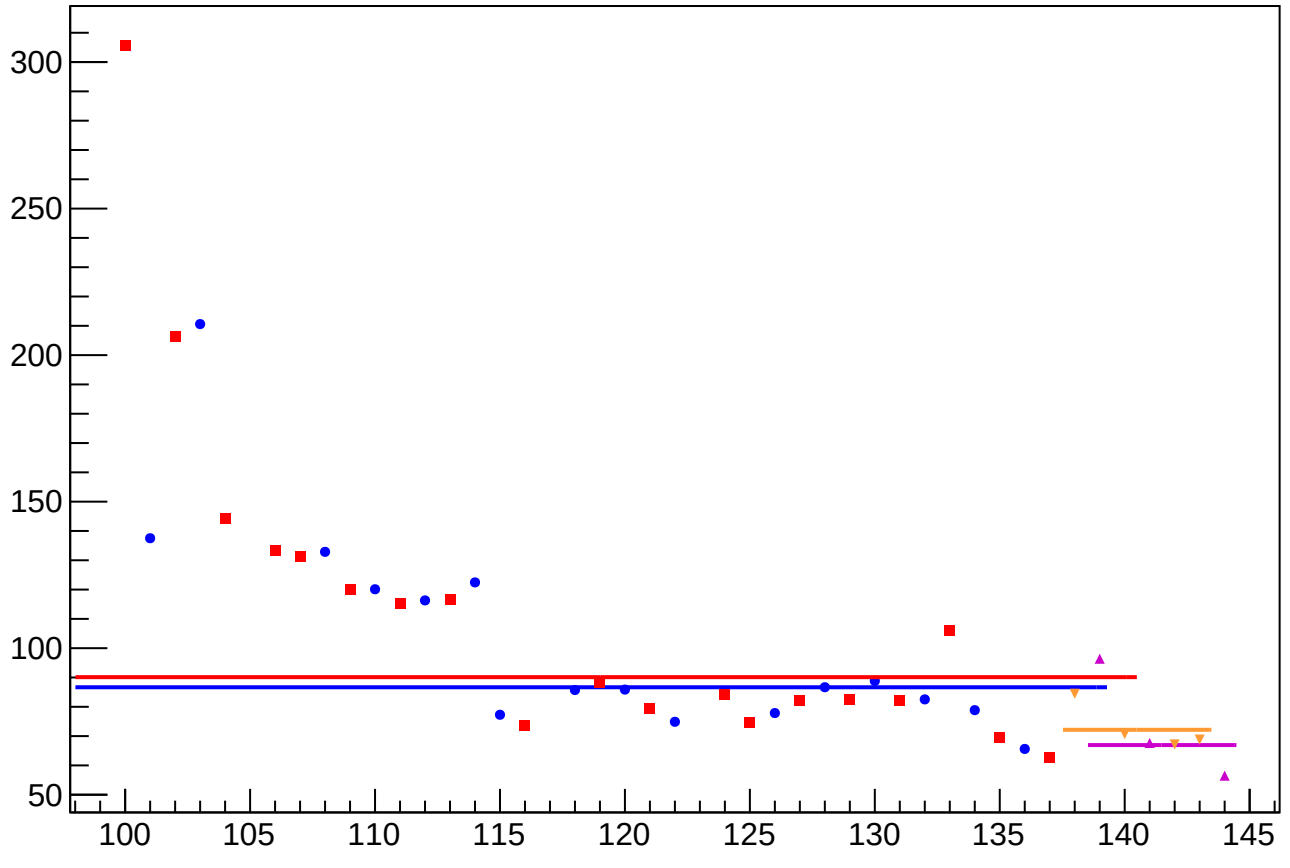
Left: 106.961+/-30.413 χ^2/NDF: 5.2/6

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 47.405+/-26.546 χ^2/NDF:14.3/18

Out: 88.189+/-27.152 χ^2/NDF:25.0/22

All: 67.337+/-18.981 χ^2/NDF: 40.4/41



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

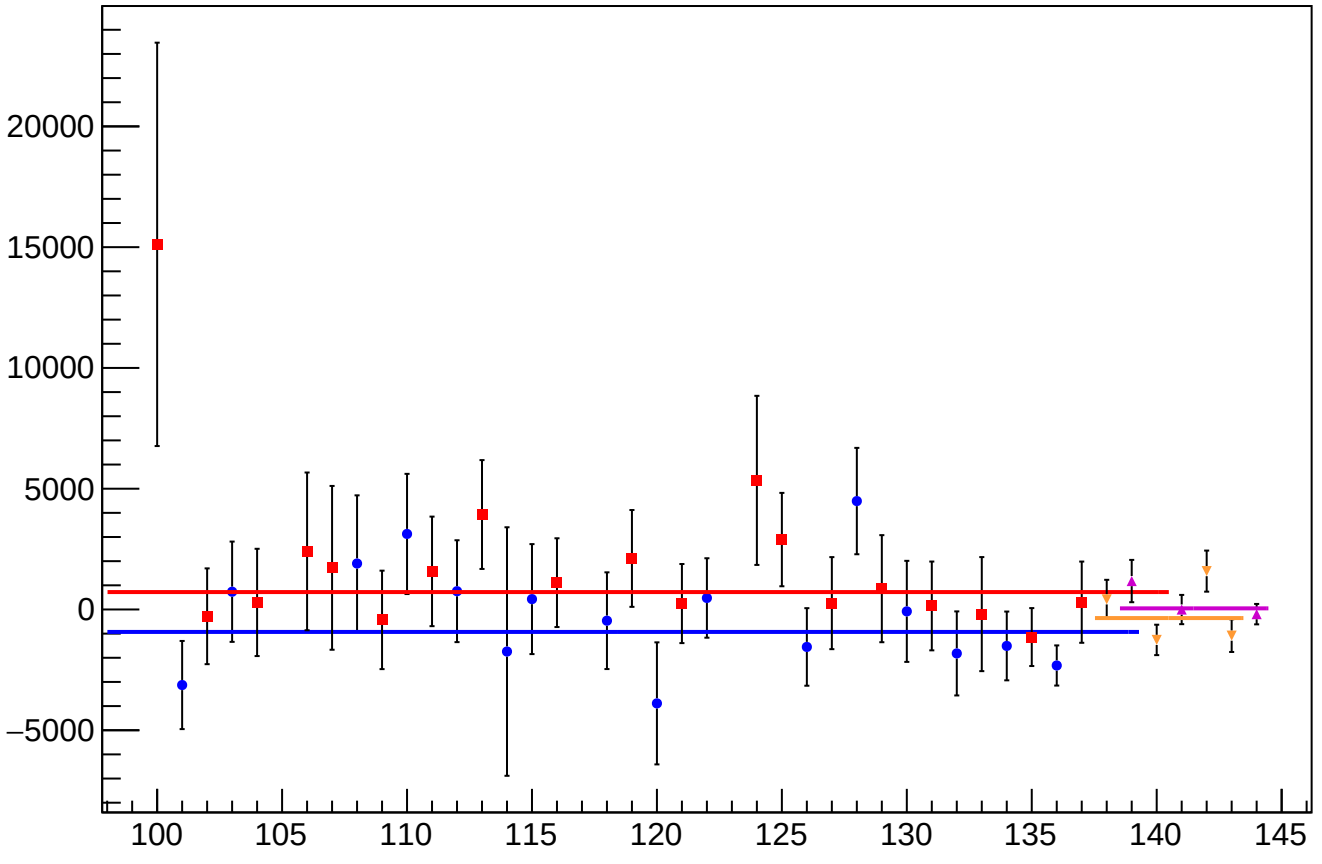
Left: 69.512+/-0.022 χ^2/NDF: 271554.2/6

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 79.050+/-0.019 χ^2/NDF:1516581.9/18

Out: 83.055+/-0.019 χ^2/NDF:1394920.9/22

All: 81.008+/-0.013 χ^2/NDF: 2933746.9/41



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -356.036+/-362.238 χ^2/NDF:9.4/3

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 46.032+/-322.264 χ^2/NDF:2.0/2

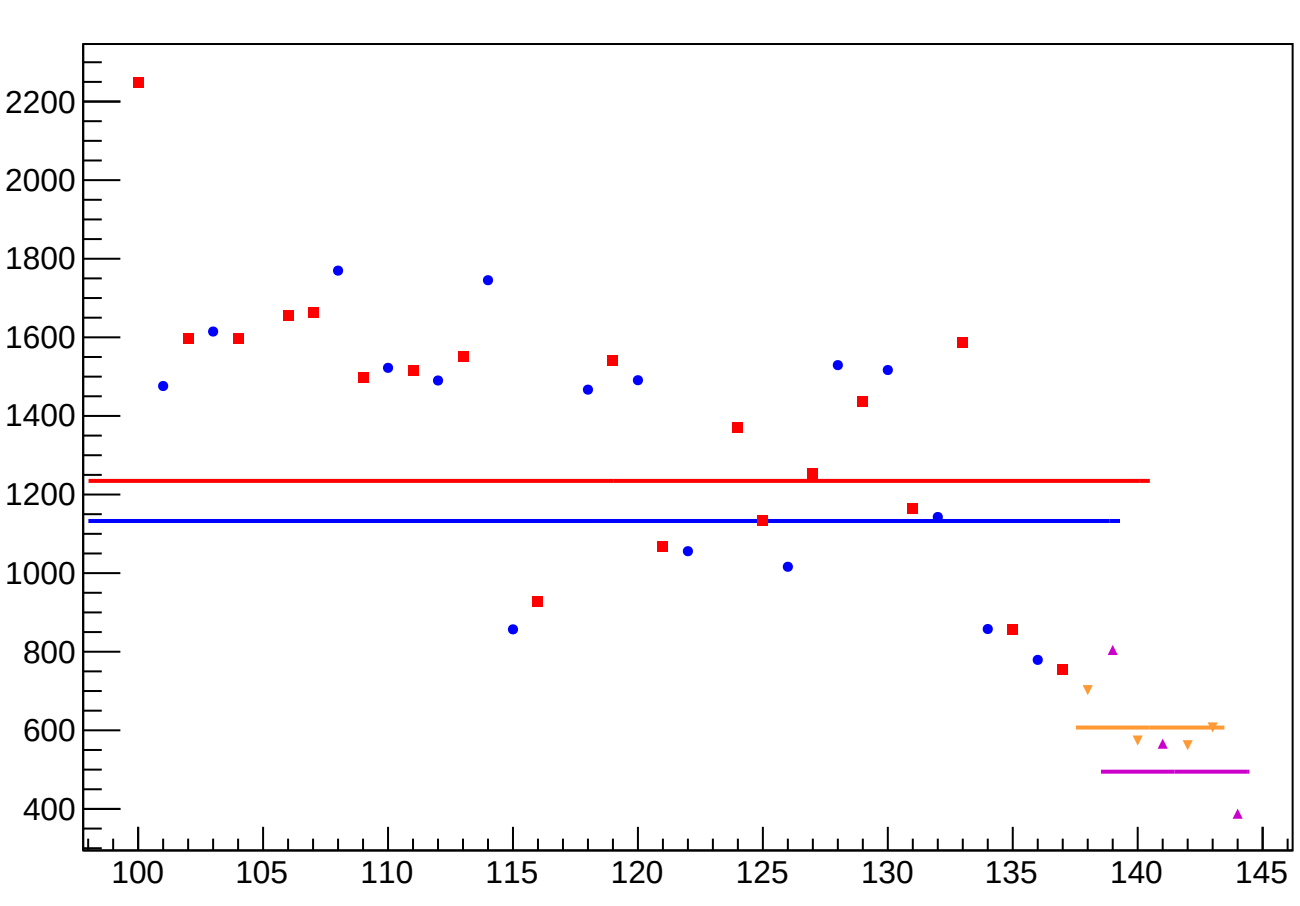
Left: -131.601+/-240.772 χ^2/NDF: 12.0/6

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -293.769+/-260.173 χ^2/NDF:23.7/18

Out: 46.741+/-286.579 χ^2/NDF:25.2/22

All: -139.921+/-192.630 χ^2/NDF: 49.7/41



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 494.758+/-0.228 χ^2/NDF:405690.2/2

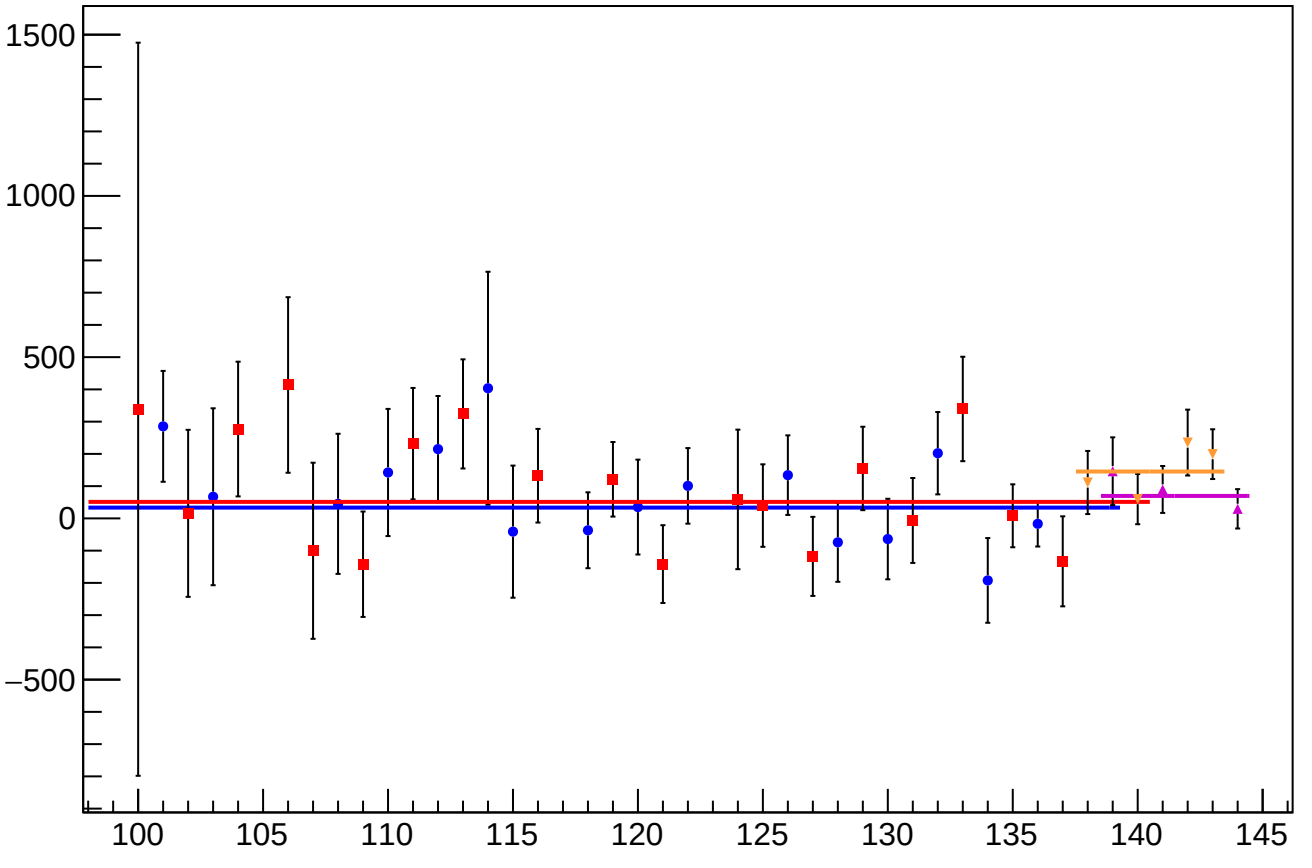
Left: 544.383+/-0.170 χ^2/NDF: 551867.0/6

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 716.899+/-0.184 χ^2/NDF:4258914.7/18

Out: 841.882+/-0.203 χ^2/NDF:3161259.5/22

All: 773.368+/-0.136 χ^2/NDF: 7628703.5/41



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 69.636+/-42.720 χ^2/NDF:1.0/2

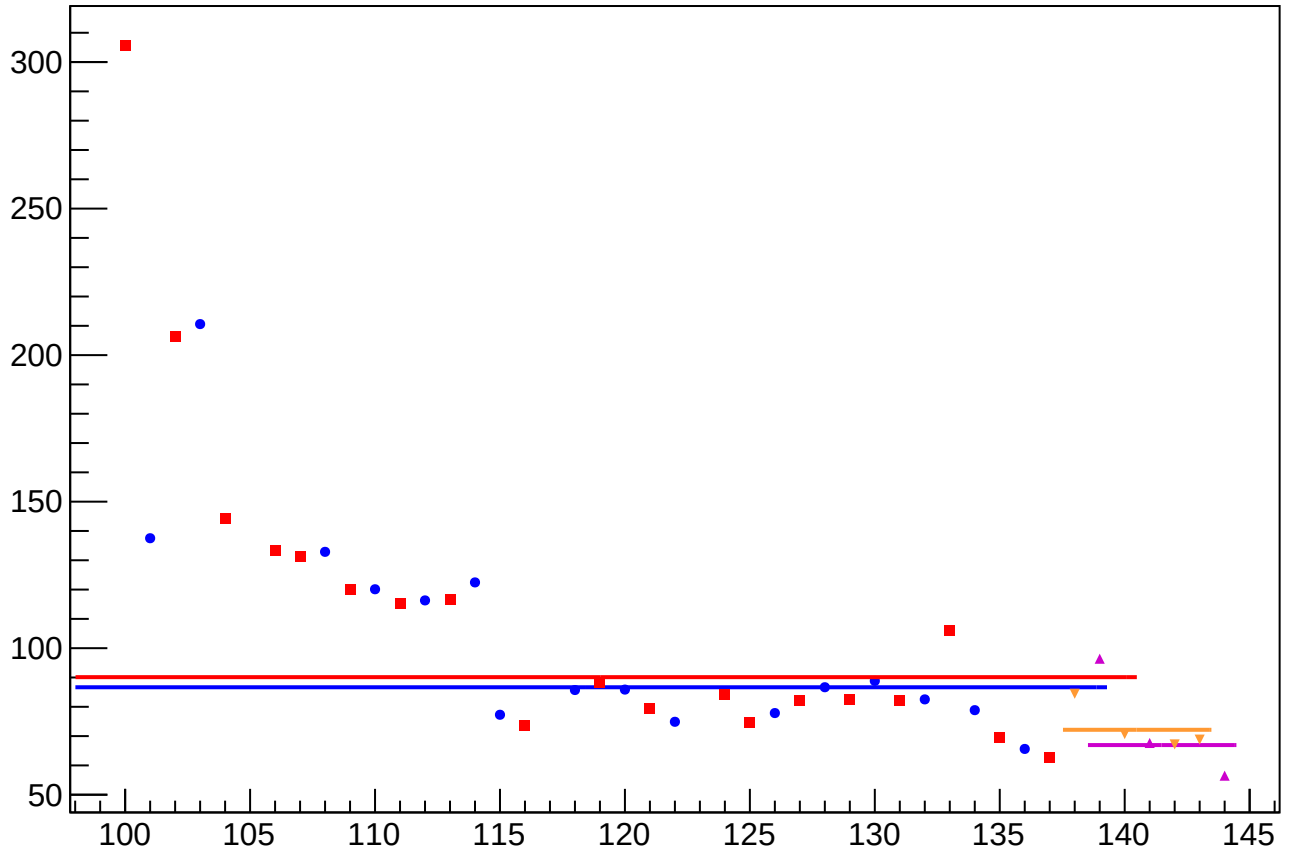
Left: 106.961+/-30.413 χ^2/NDF: 5.2/6

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 47.405+/-26.546 χ^2/NDF:14.3/18

Out: 88.189+/-27.152 χ^2/NDF:25.0/22

All: 67.337+/-18.981 χ^2/NDF: 40.4/41



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 66.943+/-0.030 χ^2/NDF:216057.2/2

Left: 69.512+/-0.022 χ^2/NDF: 271554.2/6

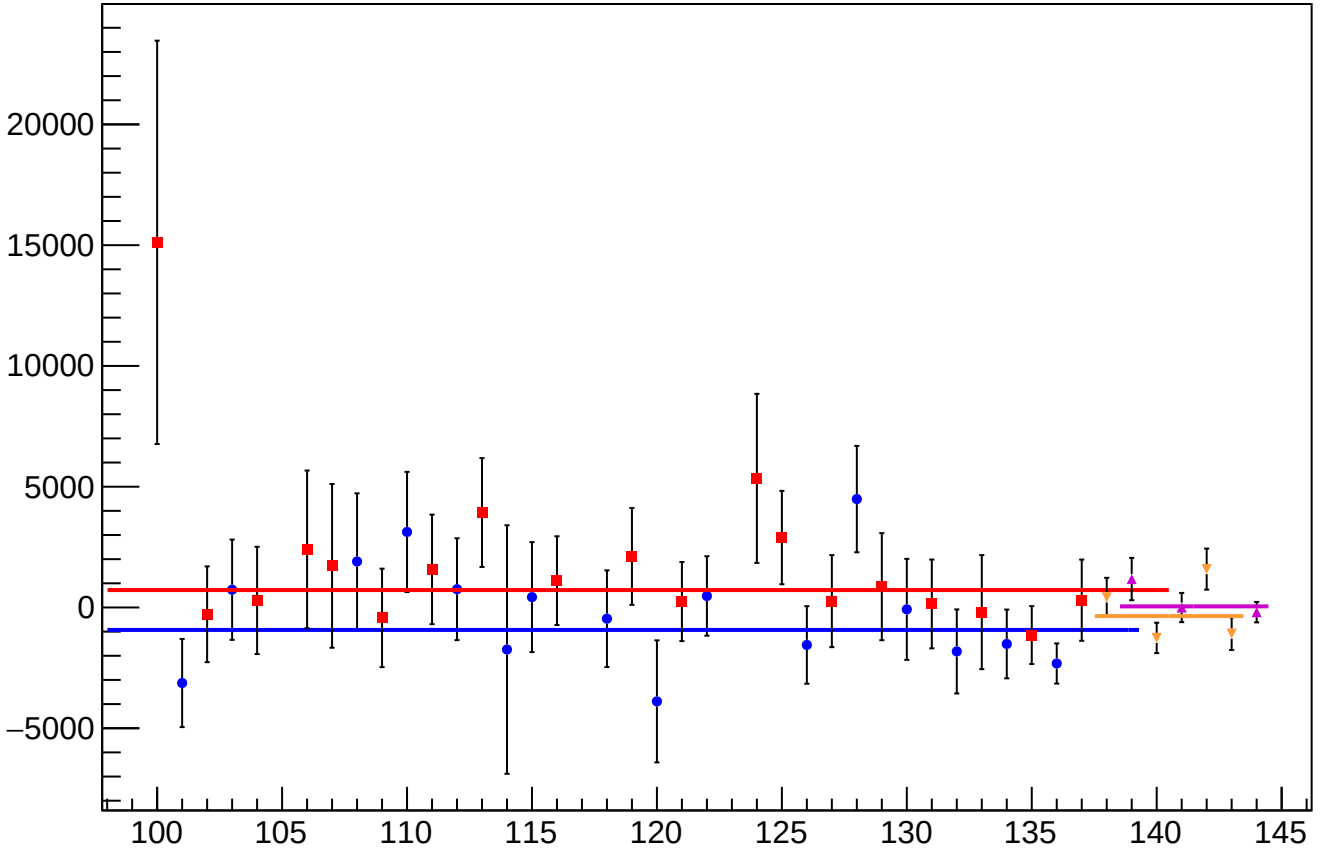
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 79.050+/-0.019 χ^2/NDF:1516581.9/18

Out: 83.055+/-0.019 χ^2/NDF:1394920.9/22

All: 81.008+/-0.013 χ^2/NDF: 2933746.9/41

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: -356.036+/-362.238 χ^2/NDF:9.4/3

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 46.032+/-322.264 χ^2/NDF:2.0/2

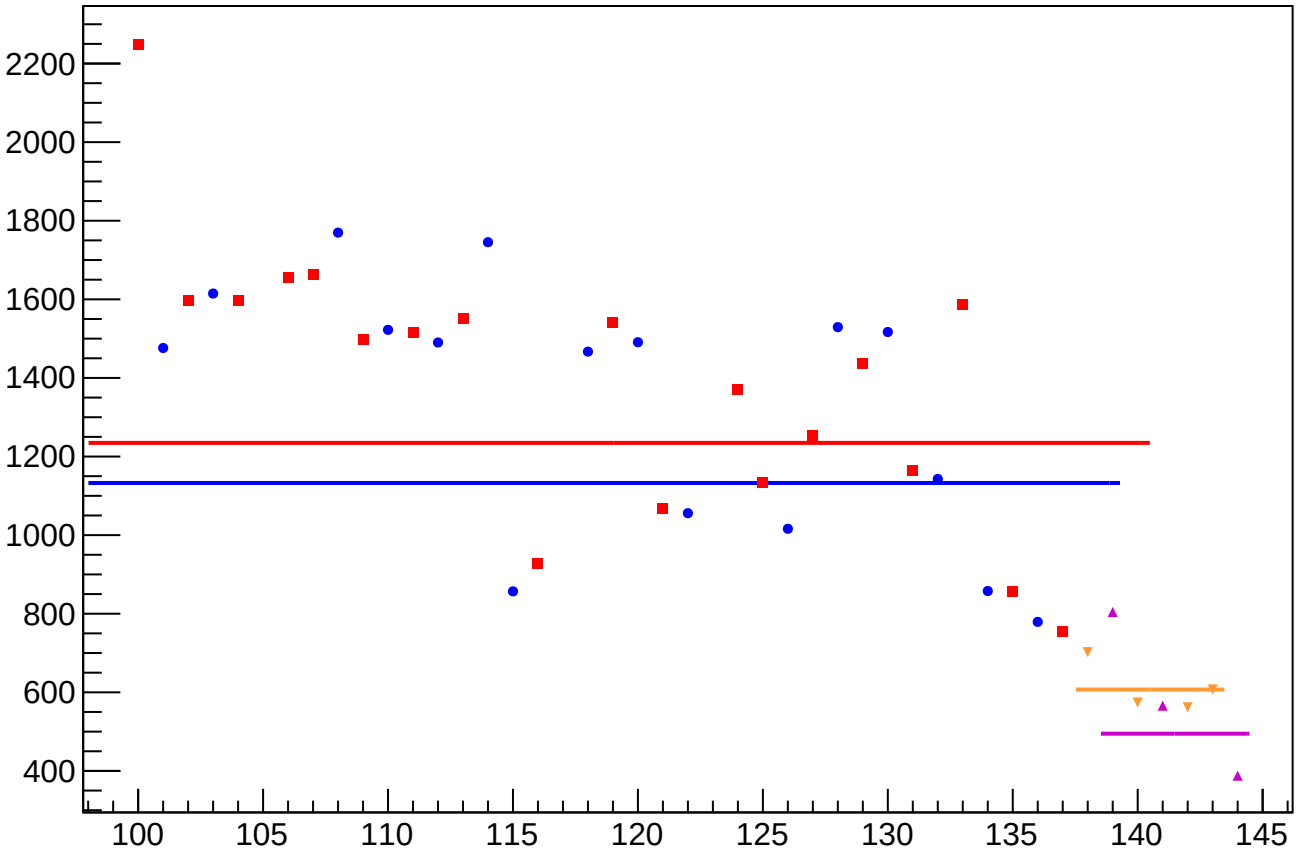
Left: -131.601+/-240.772 χ^2/NDF: 12.0/6

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -293.769+/-260.173 χ^2/NDF:23.7/18

Out: 46.741+/-286.579 χ^2/NDF:25.2/22

All: -139.921+/-192.630 χ^2/NDF: 49.7/41



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 494.758+/-0.228 χ^2/NDF:405690.2/2

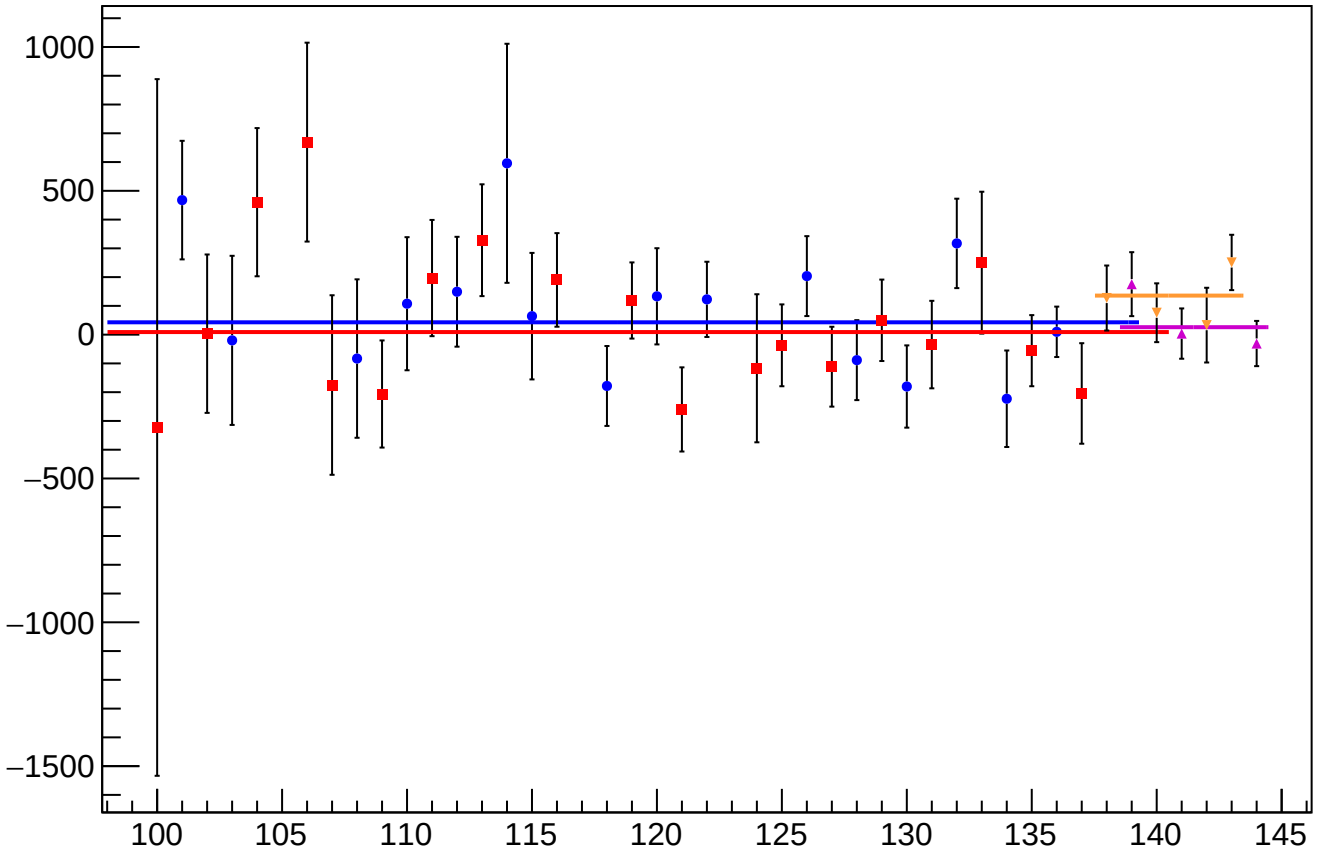
Left: 544.383+/-0.170 χ^2/NDF: 551867.0/6

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 716.899+/-0.184 χ^2/NDF:4258914.7/18

Out: 841.882+/-0.203 χ^2/NDF:3161259.5/22

All: 773.368+/-0.136 χ^2/NDF: 7628703.5/41



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.120 χ^2/NDF:2.4/3

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 25.945+/-51.742 χ^2/NDF:2.4/2

Left: 78.400+/-37.400 χ^2/NDF: 7.0/6

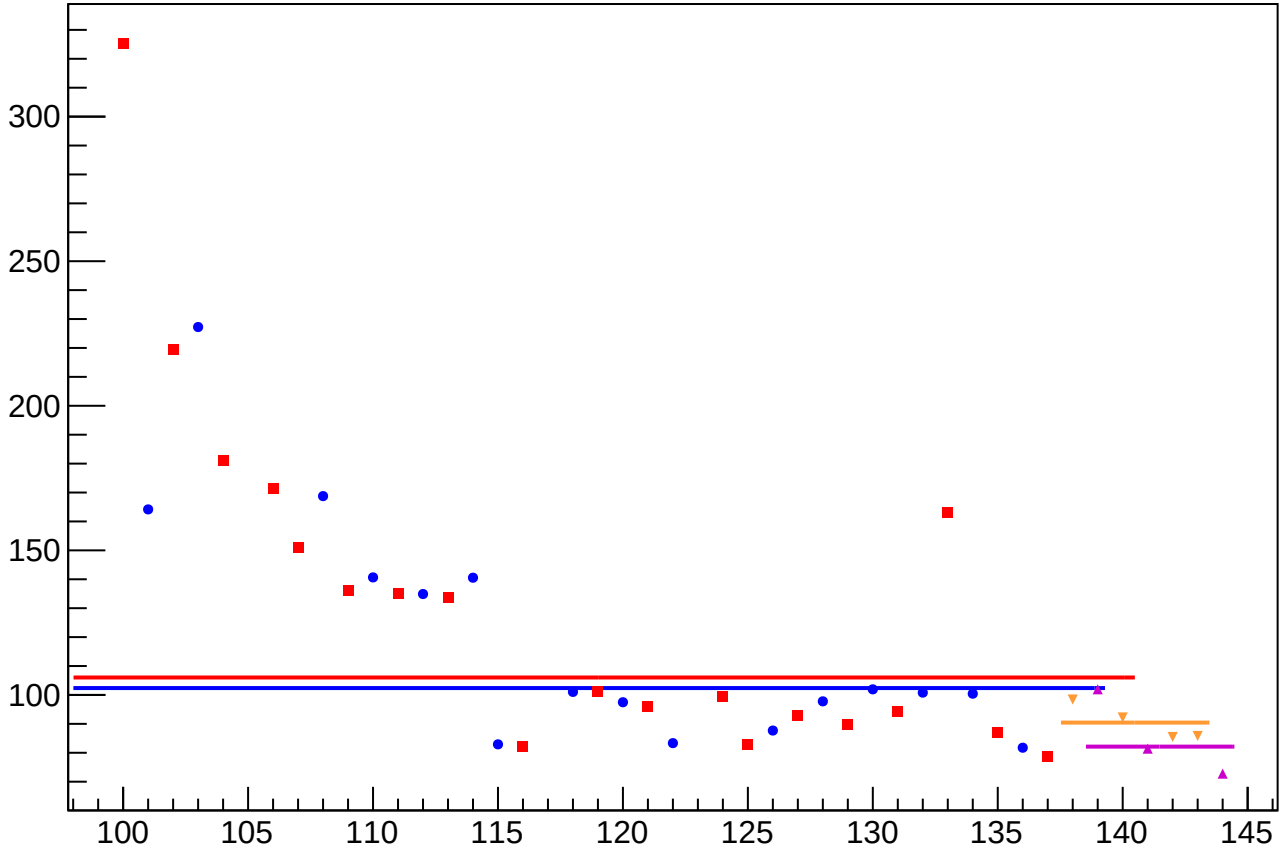
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 36.577+/-31.620 χ^2/NDF:22.8/18

Out: 55.310+/-32.711 χ^2/NDF:27.2/22

All: 45.626+/-22.735 χ^2/NDF: 50.2/41

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 90.435+/-0.038 χ^2/NDF:18110.7/3

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.127+/-0.037 χ^2/NDF:92024.7/2

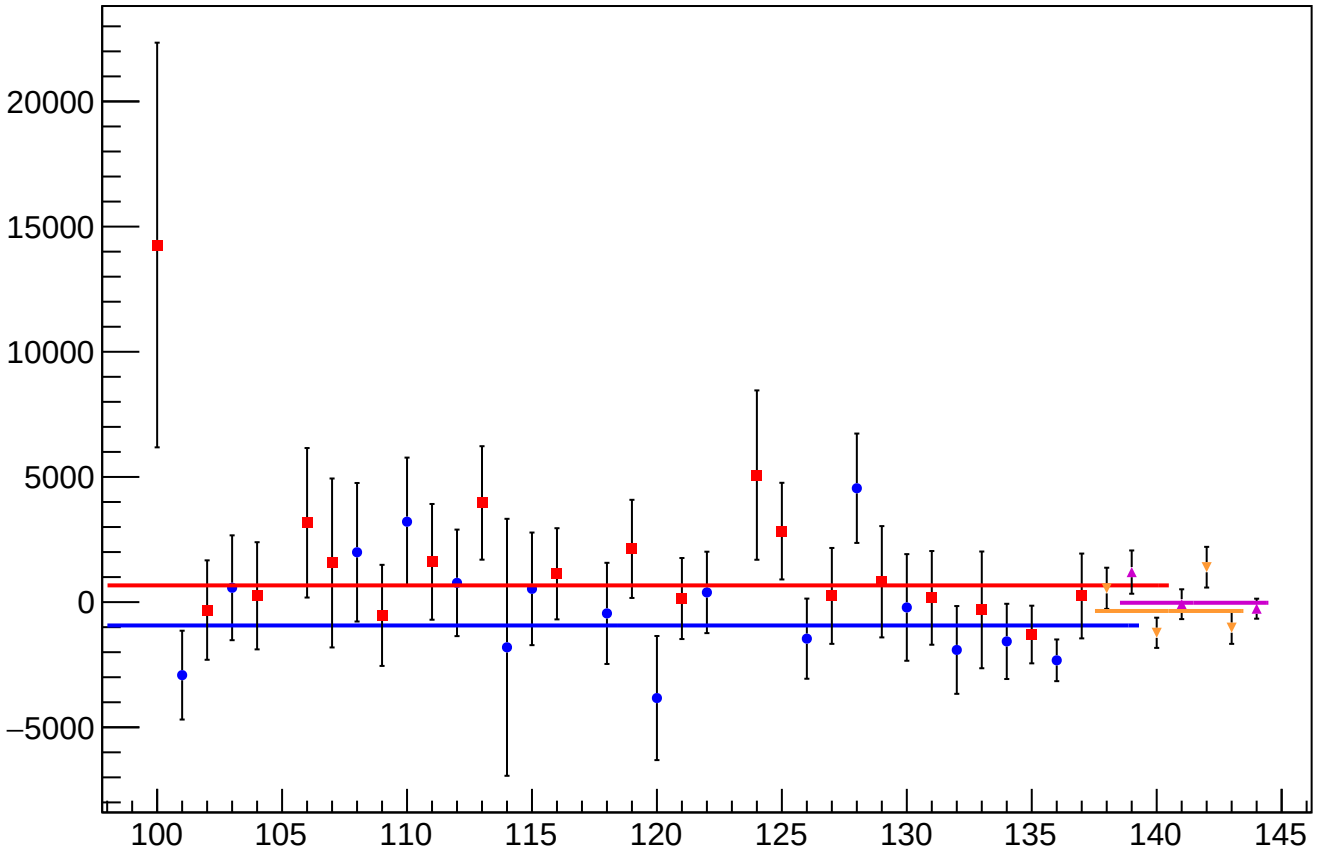
Left: 86.094+/-0.026 χ^2/NDF: 134758.1/6

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 94.815+/-0.022 χ^2/NDF:1266289.6/18

Out: 100.334+/-0.023 χ^2/NDF:1314837.2/22

All: 97.481+/-0.016 χ^2/NDF: 2610559.3/41



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -353.731+/-350.836 χ^2/NDF:9.0/3

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -25.650+/-309.880 χ^2/NDF:2.4/2

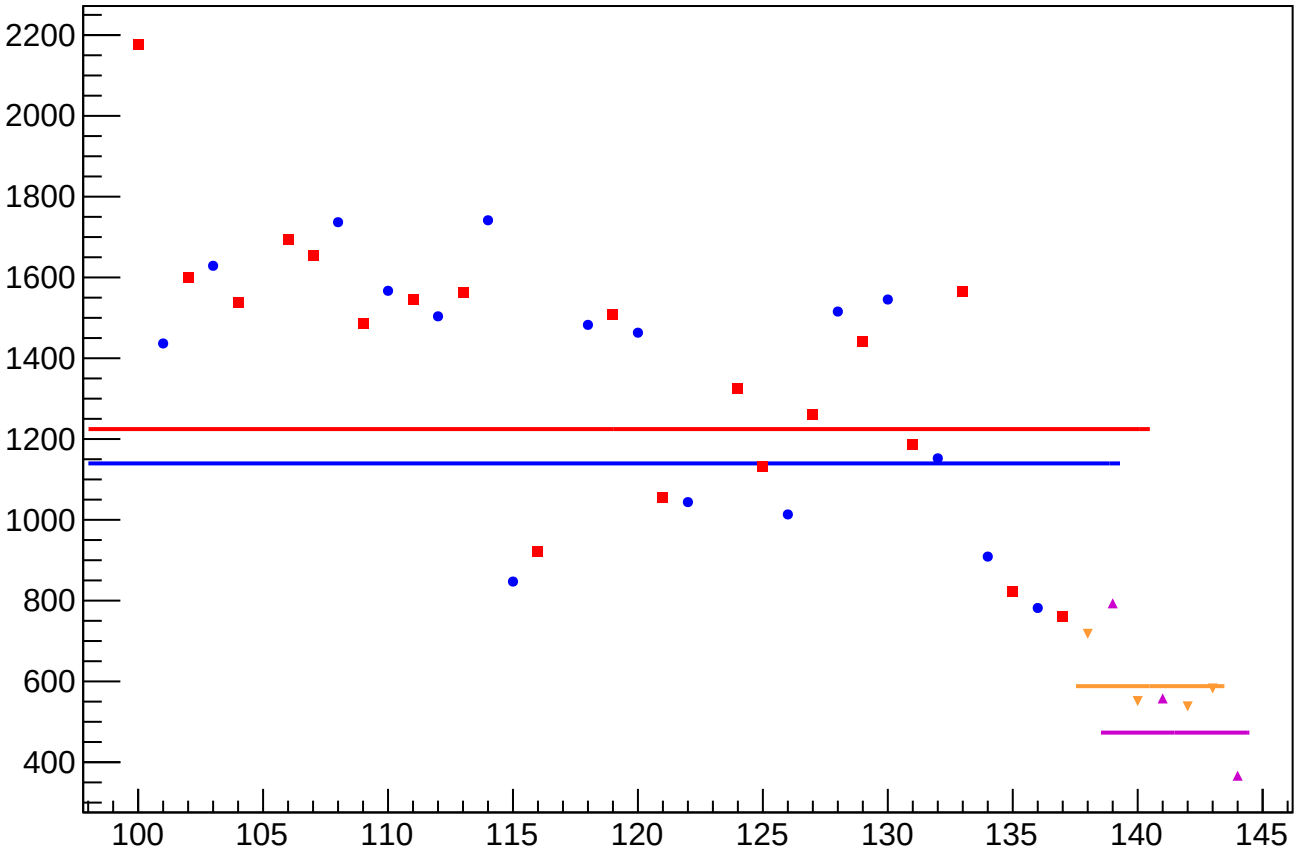
Left: -169.432+/-232.255 χ^2/NDF: 11.8/6

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -323.802+/-253.871 χ^2/NDF:23.7/18

Out: 18.915+/-279.672 χ^2/NDF:25.5/22

All: -168.978+/-187.975 χ^2/NDF: 50.0/41



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 588.252+/-0.248 χ^2/NDF:64855.5/3

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 473.261+/-0.219 χ^2/NDF:457026.7/2

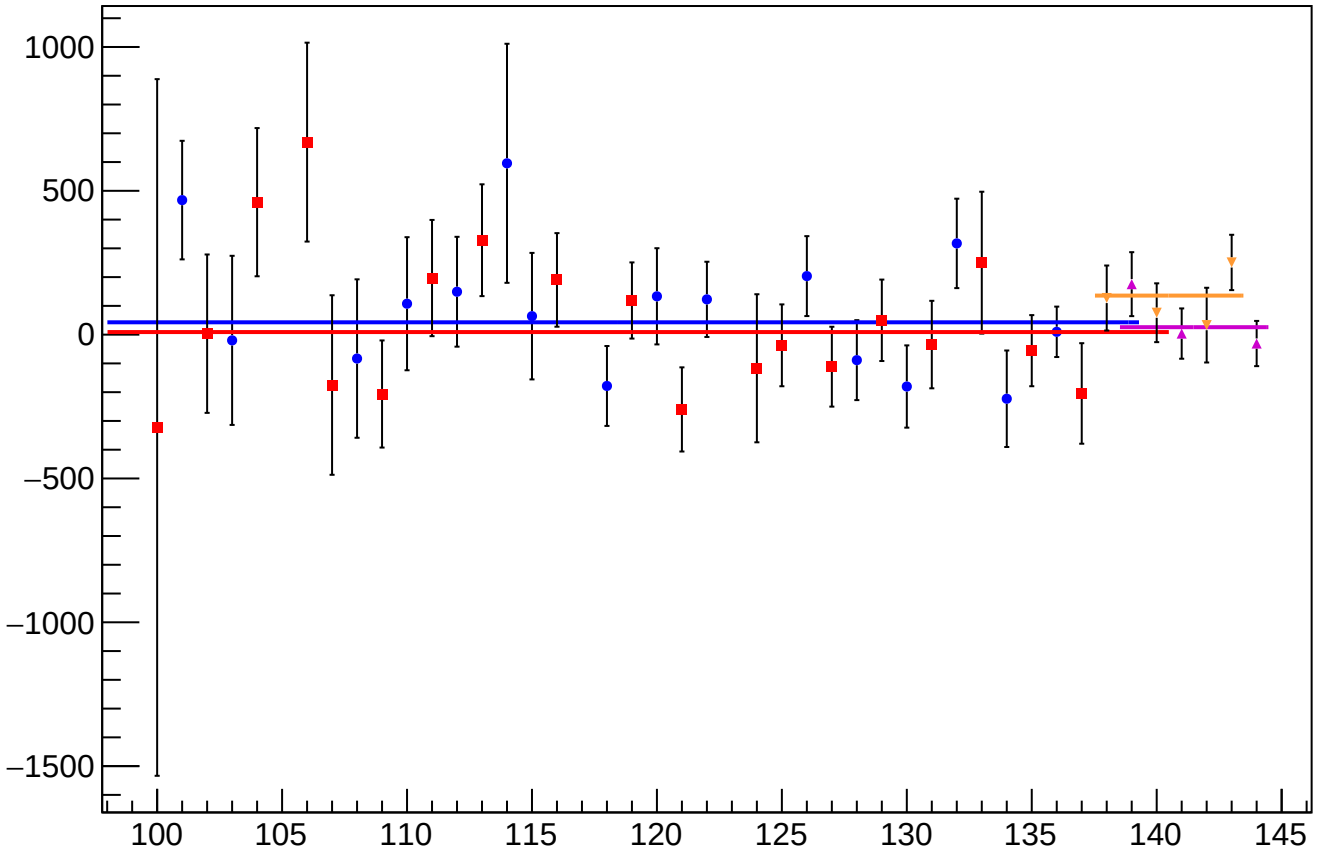
Left: 523.656+/-0.164 χ^2/NDF: 642577.4/6

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 692.386+/-0.180 χ^2/NDF:4591787.5/18

Out: 820.236+/-0.198 χ^2/NDF:3386081.3/22

All: 750.143+/-0.133 χ^2/NDF: 8207012.2/41



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.121 χ^2/NDF:2.4/3

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 25.945+/-51.742 χ^2/NDF:2.4/2

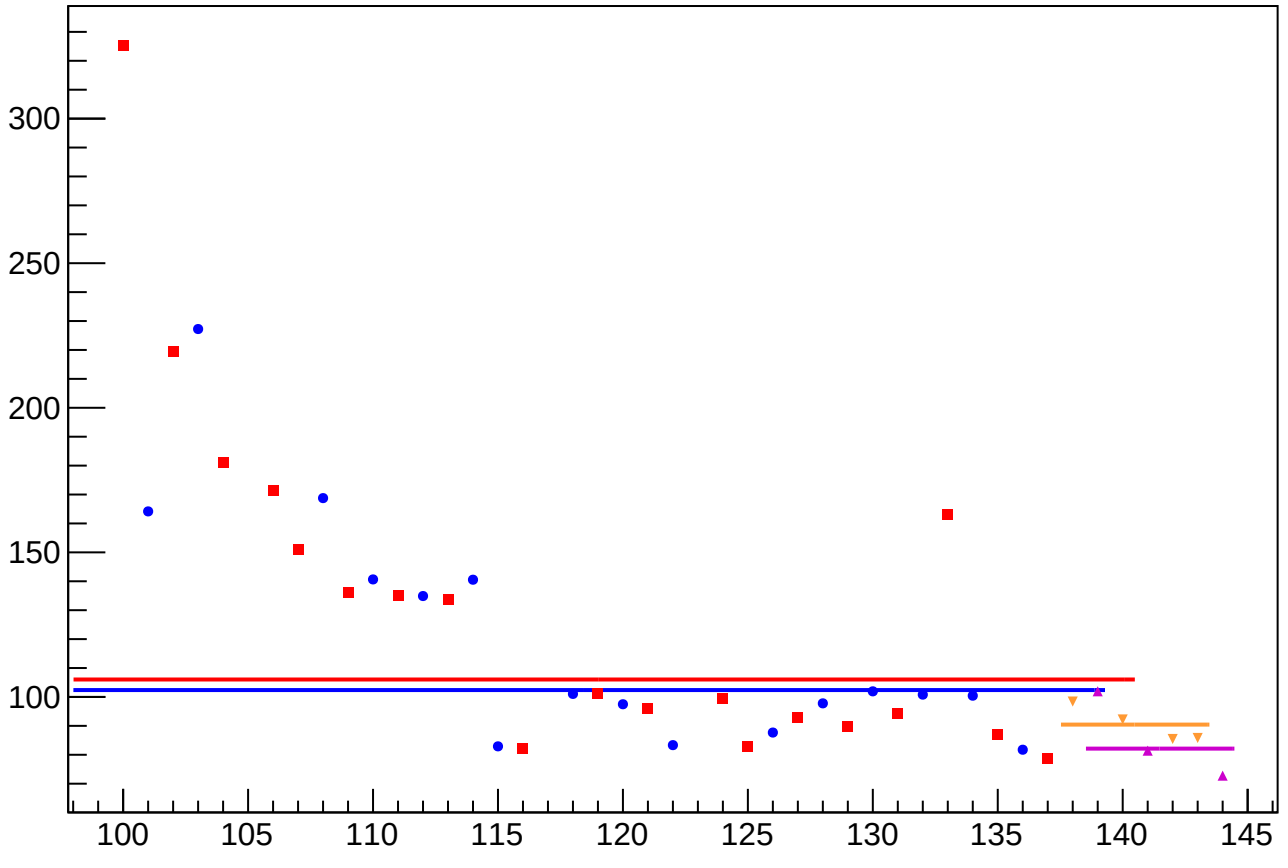
Left: 78.400+/-37.400 χ^2/NDF: 7.0/6

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 36.577+/-31.620 χ^2/NDF:22.8/18

Out: 55.308+/-32.711 χ^2/NDF:27.2/22

All: 45.625+/-22.735 χ^2/NDF: 50.2/41



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 90.435+/-0.038 χ^2/NDF:18109.0/3

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.127+/-0.037 χ^2/NDF:92022.4/2

Left: 86.095+/-0.026 χ^2/NDF: 134752.6/6

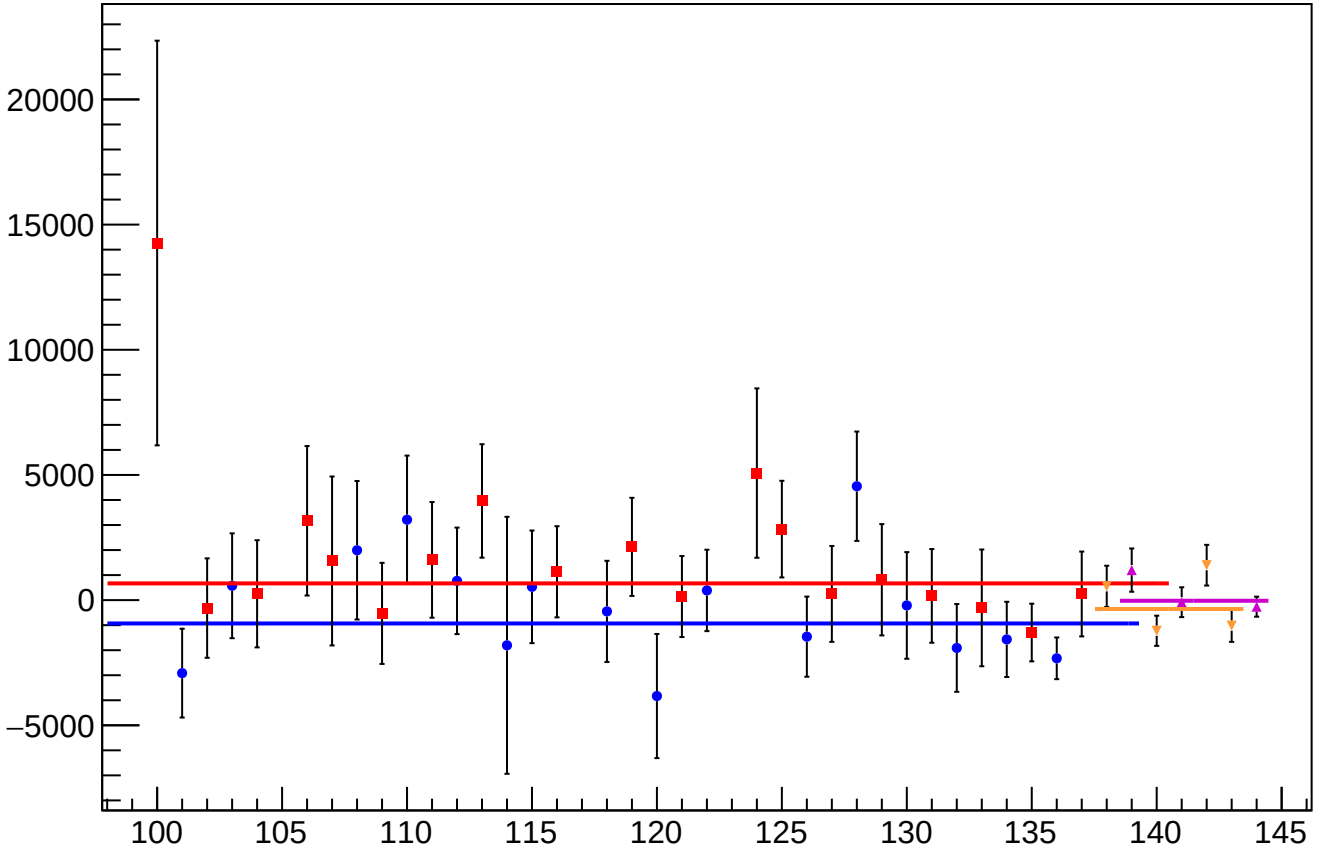
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 94.815+/-0.022 χ^2/NDF:1266269.8/18

Out: 100.334+/-0.023 χ^2/NDF:1314834.3/22

All: 97.481+/-0.016 χ^2/NDF: 2610536.1/41

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: -353.733+/-350.835 χ^2/NDF:9.0/3

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -25.650+/-309.880 χ^2/NDF:2.4/2

Left: -169.432+/-232.255 χ^2/NDF: 11.8/6

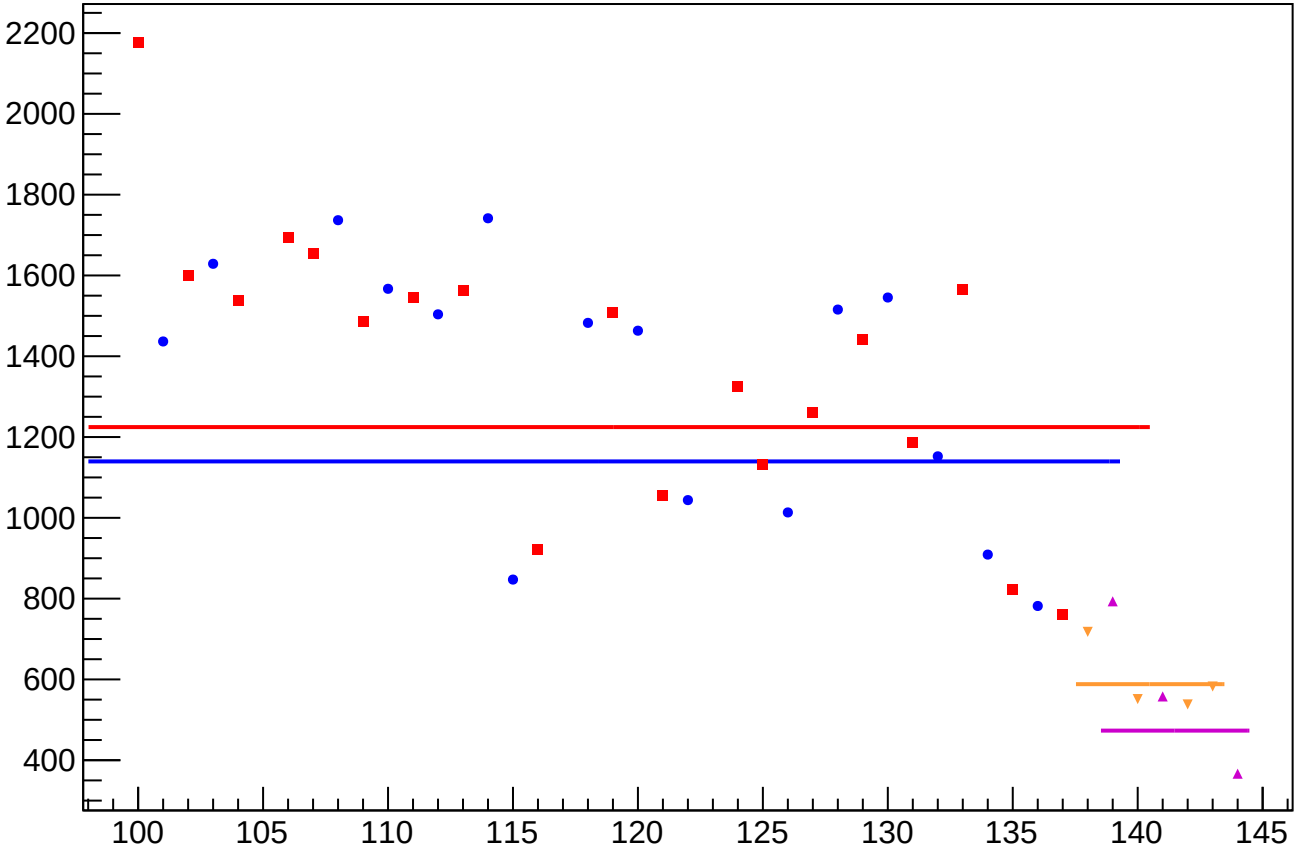
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -323.801+/-253.871 χ^2/NDF:23.7/18

Out: 18.915+/-279.672 χ^2/NDF:25.5/22

All: -168.978+/-187.975 χ^2/NDF: 50.0/41

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: 588.252+/-0.248 χ^2/NDF:64854.1/3

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 473.260+/-0.219 χ^2/NDF:457028.2/2

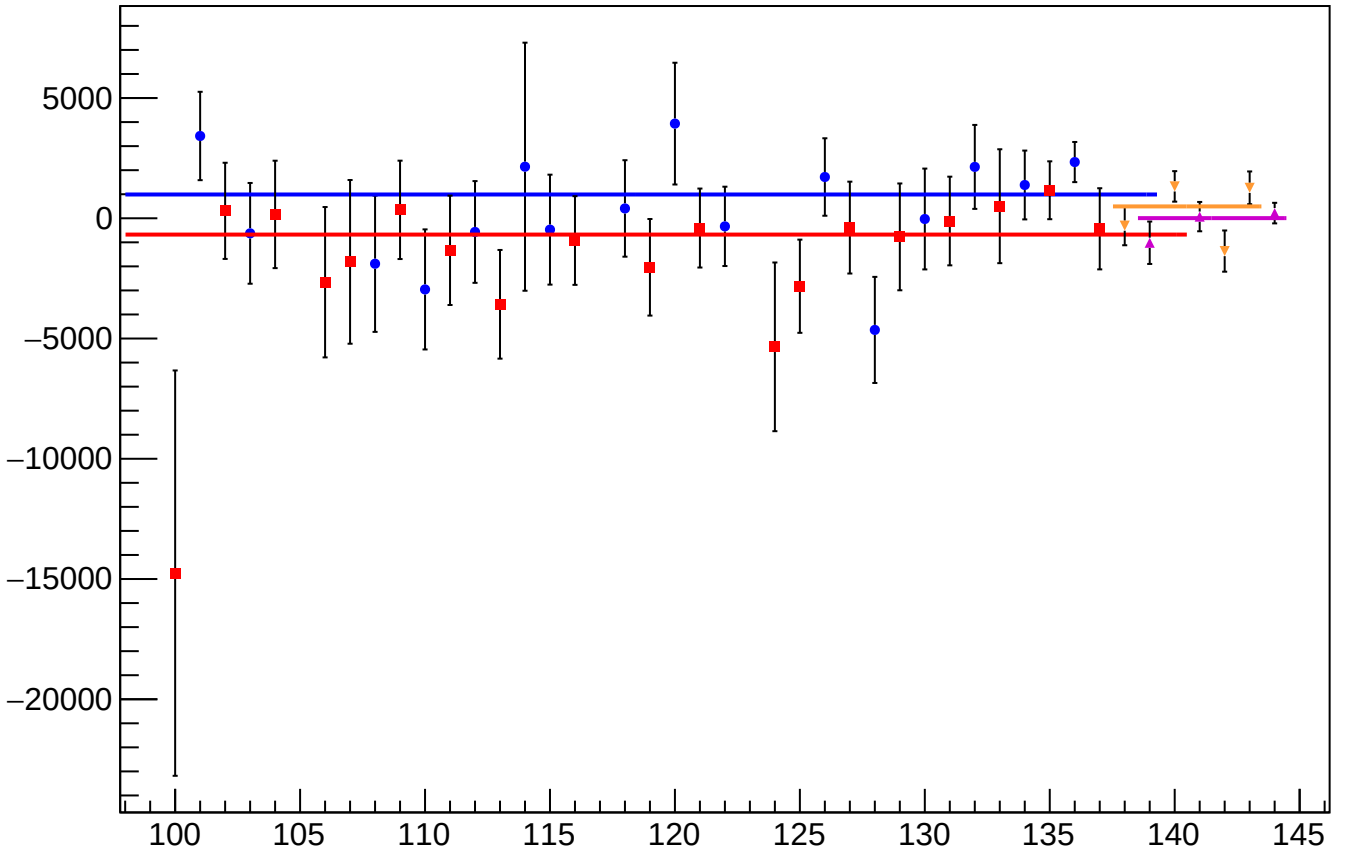
Left: 523.655+/-0.164 χ^2/NDF: 642579.3/6

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 692.385+/-0.180 χ^2/NDF:4591783.7/18

Out: 820.236+/-0.198 χ^2/NDF:3386065.0/22

All: 750.142+/-0.133 χ^2/NDF: 8206994.9/41



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 493.406+/-364.878 χ^2/NDF:8.7/3

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 6.250+/-325.343 χ^2/NDF:1.6/2

Left: 222.016+/-242.831 χ^2/NDF: 11.3/6

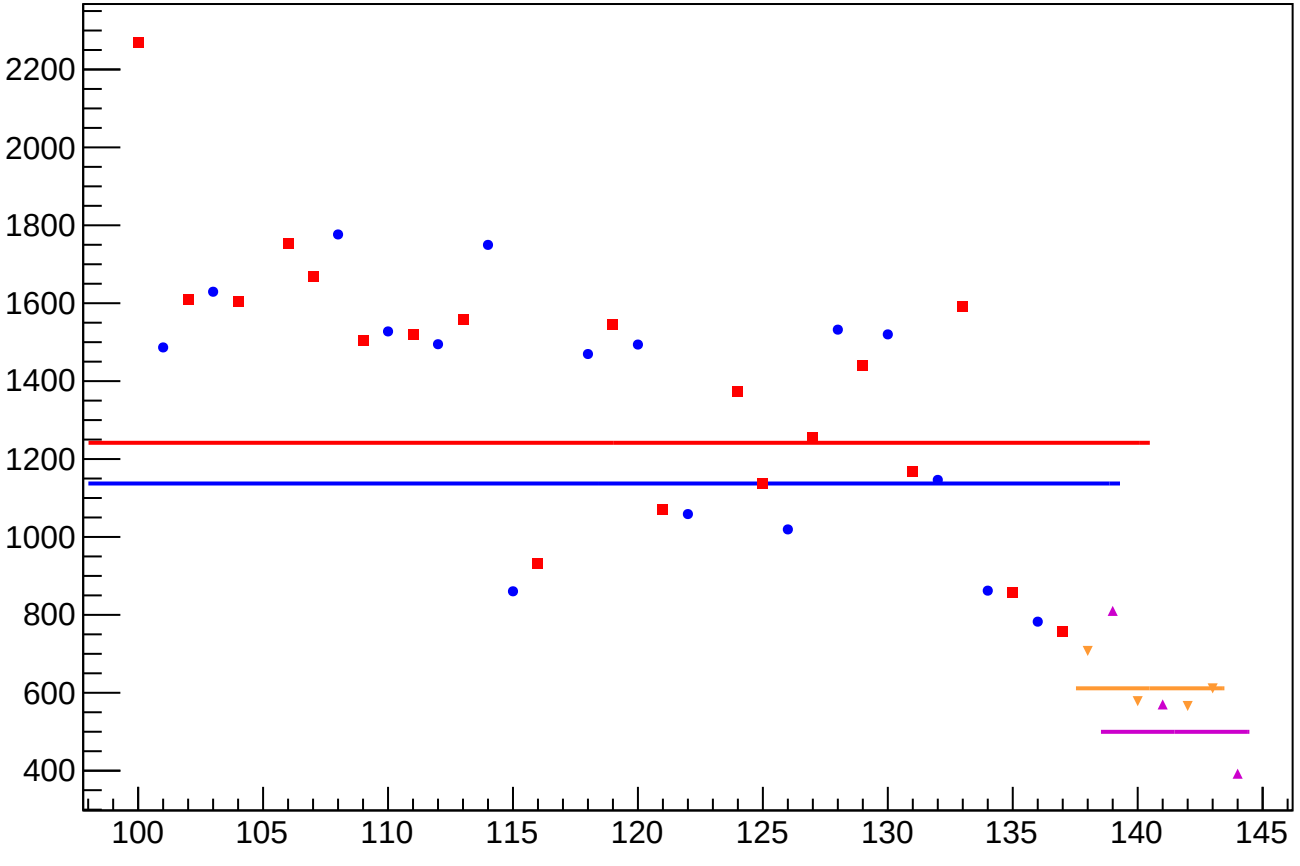
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 351.066+/-262.148 χ^2/NDF:23.8/18

Out: 52.630+/-288.138 χ^2/NDF:24.5/22

All: 215.912+/-193.905 χ^2/NDF: 48.9/41

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 611.472+/-0.258 χ^2/NDF:38770.1/3

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 499.789+/-0.230 χ^2/NDF:400790.1/2

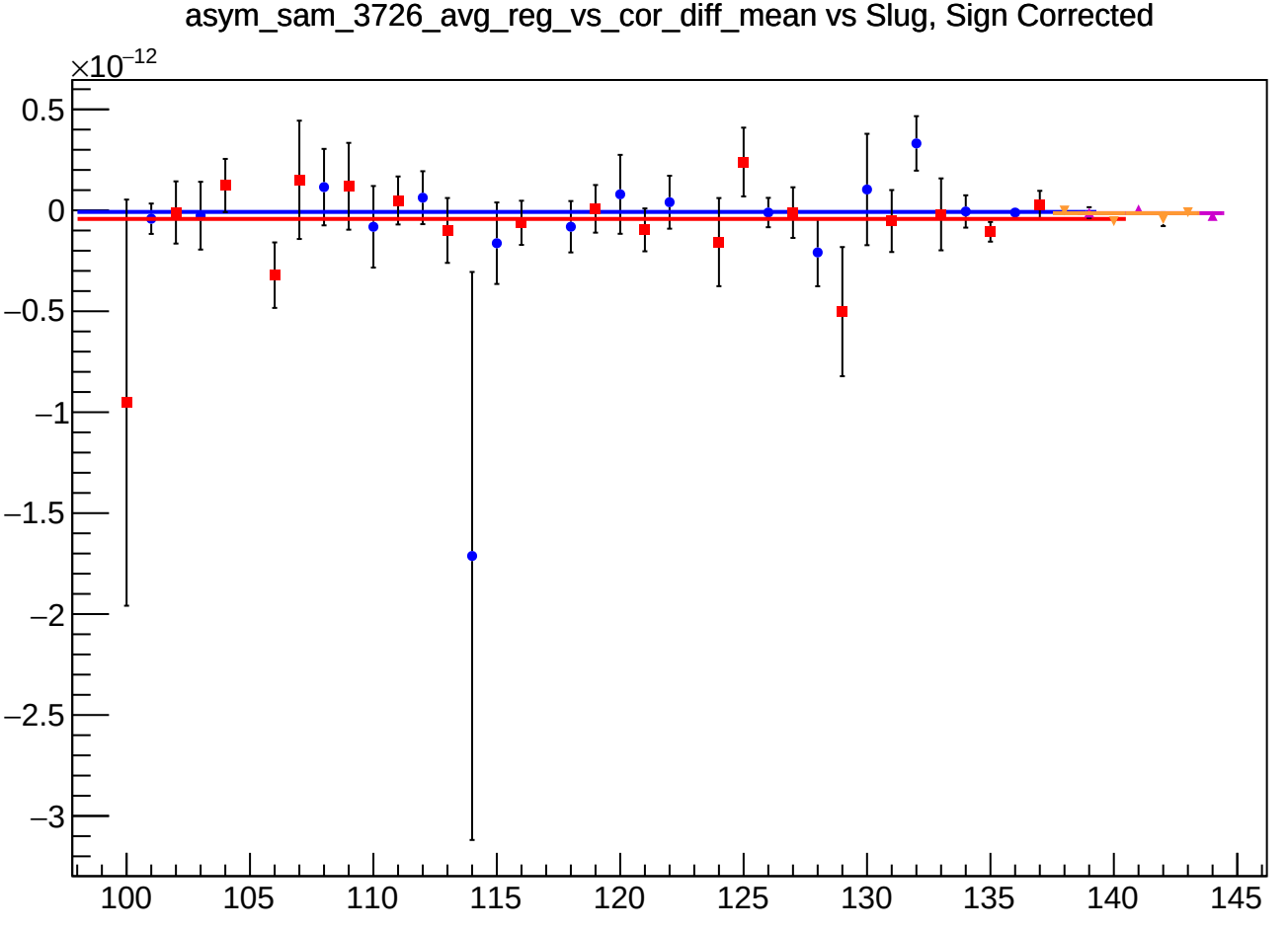
Left: 549.254+/-0.172 χ^2/NDF: 543944.6/6

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 723.370+/-0.185 χ^2/NDF:4217346.3/18

Out: 848.693+/-0.204 χ^2/NDF:3184100.7/22

All: 780.126+/-0.137 χ^2/NDF: 7608448.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/2

Left: -0.000+/-0.000 χ^2/NDF: 9.1/6

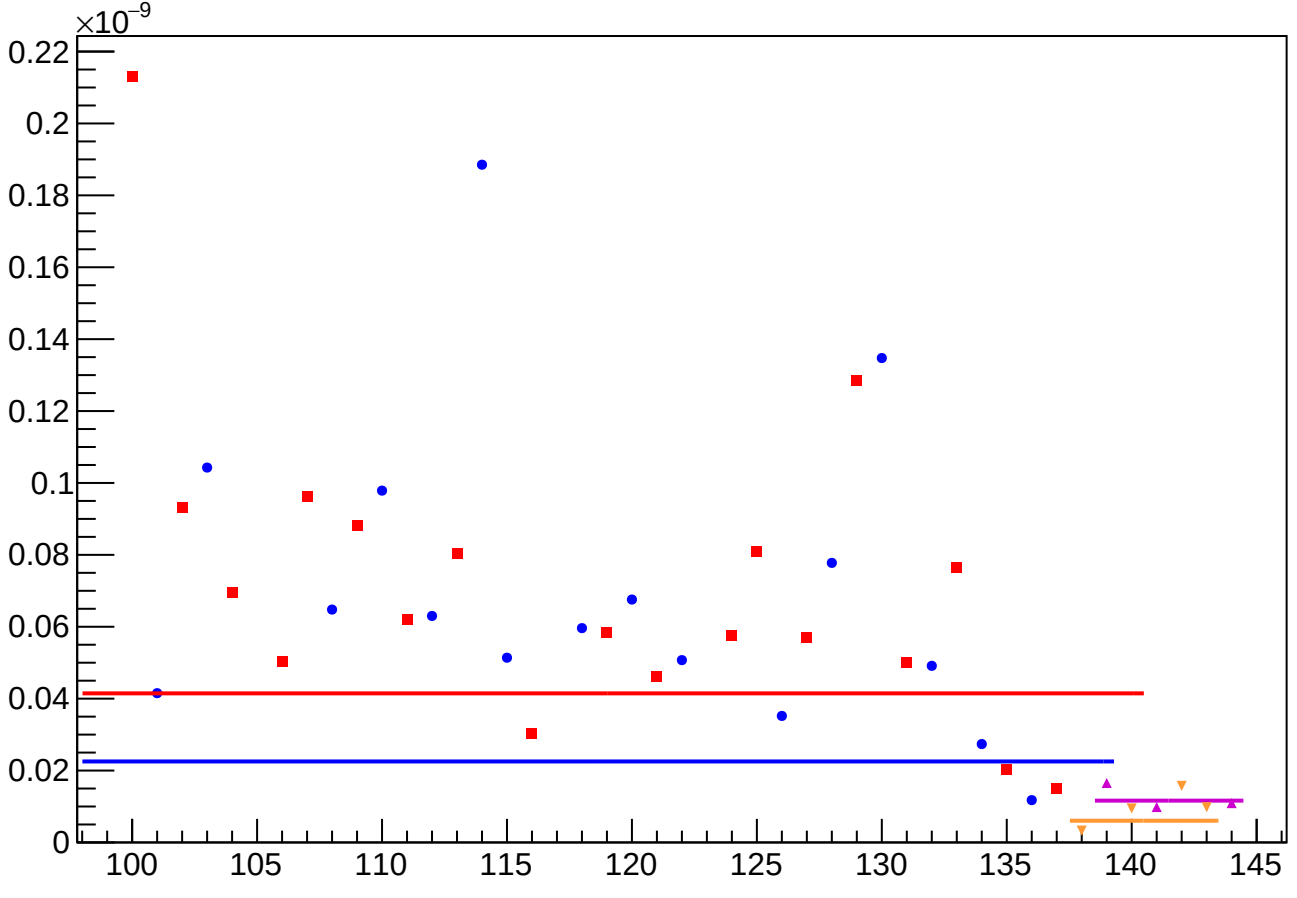
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:13.4/18

Out: -0.000+/-0.000 χ^2/NDF:24.1/22

All: -0.000+/-0.000 χ^2/NDF: 37.6/41

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:463915.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:86554.4/2

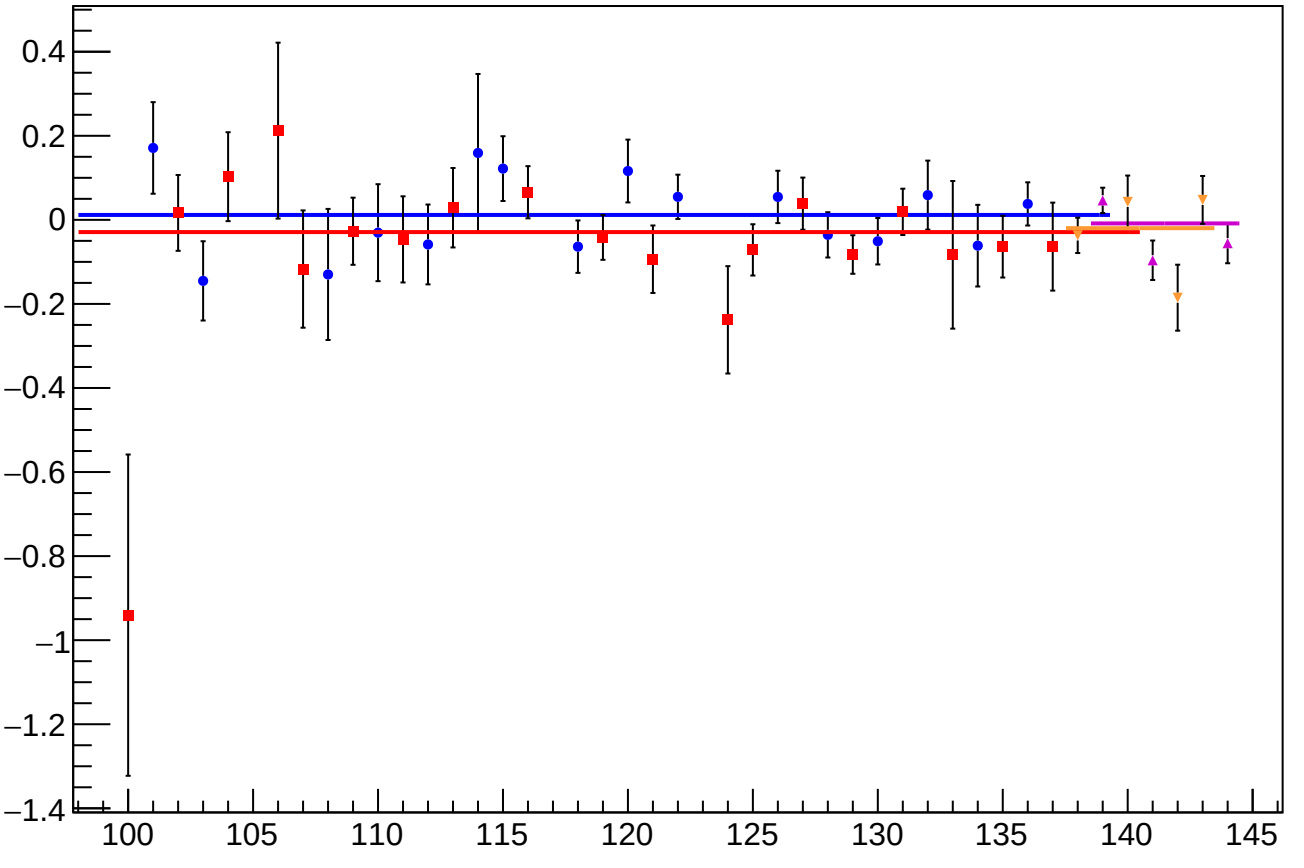
Left: 0.000+/-0.000 χ^2/NDF: 875235.2/6

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3486488.6/18

Out: 0.000+/-0.000 χ^2/NDF:5483534.4/22

All: 0.000+/-0.000 χ^2/NDF: 9511306.3/41



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.022 χ^2/NDF:7.8/2

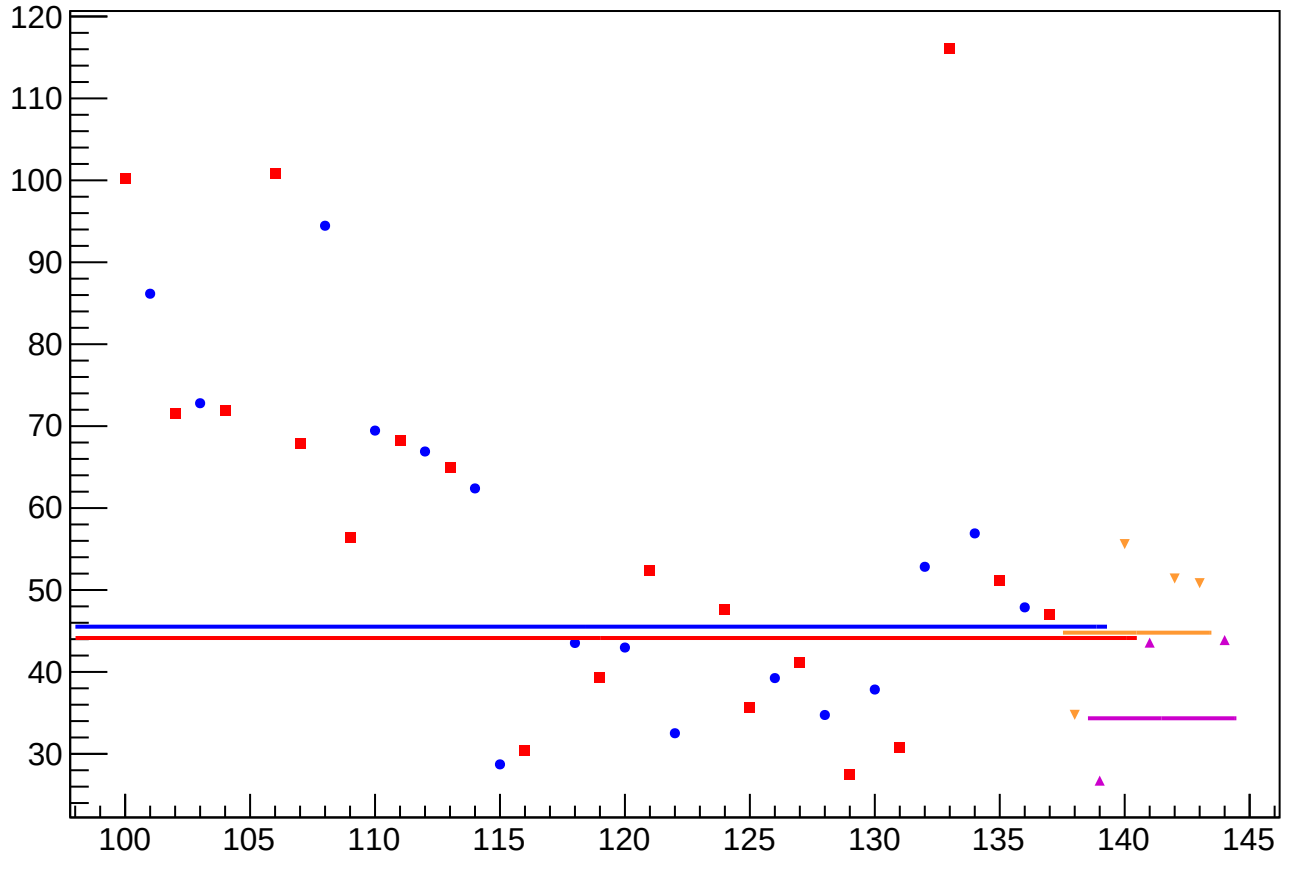
Left: -0.013+/-0.017 χ^2/NDF: 14.9/6

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.1/18

Out: -0.026+/-0.015 χ^2/NDF:26.6/22

All: -0.010+/-0.010 χ^2/NDF: 53.8/41



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.793+/-0.020 χ^2/NDF:209921.1/3

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 34.342+/-0.016 χ^2/NDF:285305.6/2

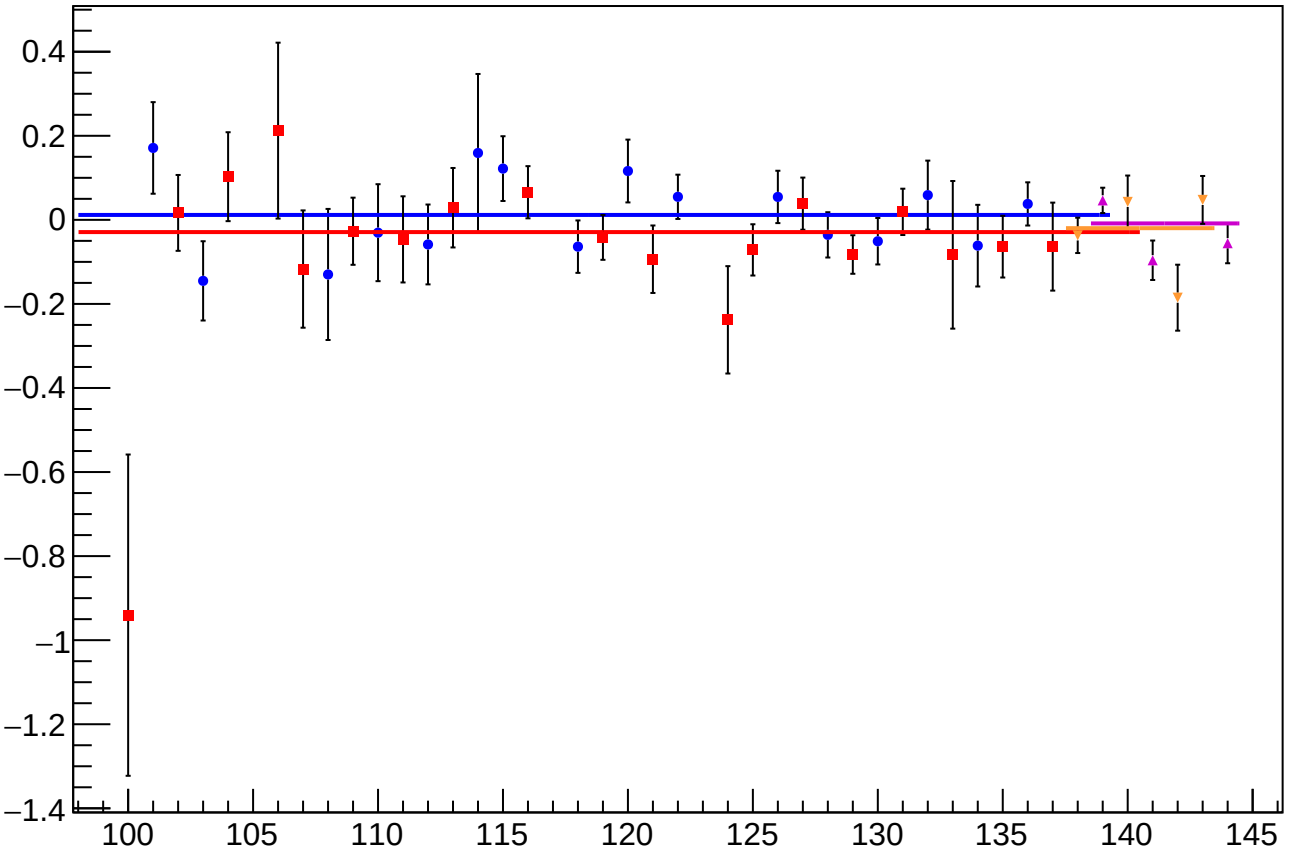
Left: 38.446+/-0.012 χ^2/NDF: 666453.0/6

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.039+/-0.010 χ^2/NDF:1838261.9/18

Out: 44.331+/-0.011 χ^2/NDF:1954129.7/22

All: 42.587+/-0.007 χ^2/NDF: 3843135.6/41



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.022 χ^2/NDF:7.8/2

Left: -0.013+/-0.017 χ^2/NDF: 14.9/6

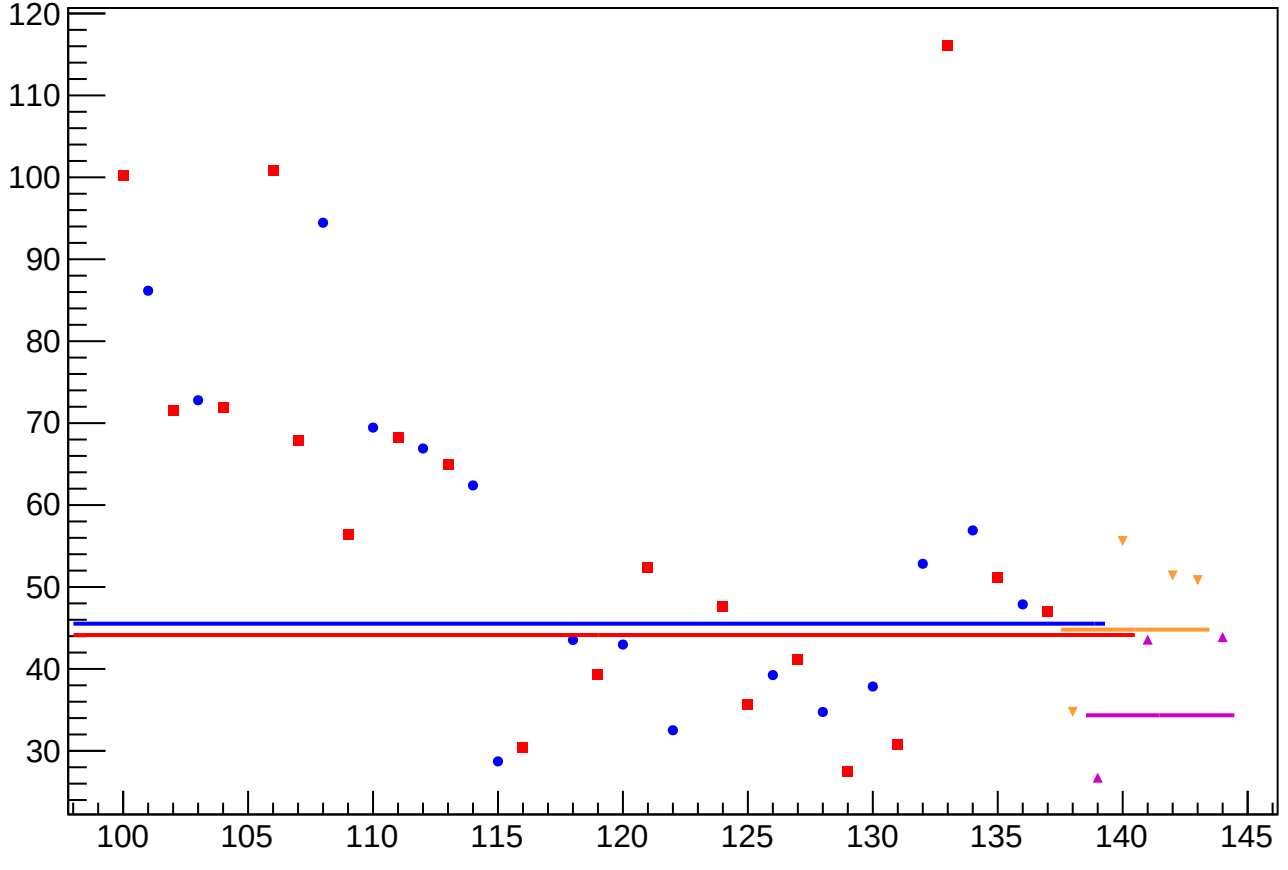
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.1/18

Out: -0.026+/-0.015 χ^2/NDF:26.6/22

All: -0.010+/-0.010 χ^2/NDF: 53.8/41

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.793+/-0.020 χ^2/NDF:209921.1/3

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 34.342+/-0.016 χ^2/NDF:285305.6/2

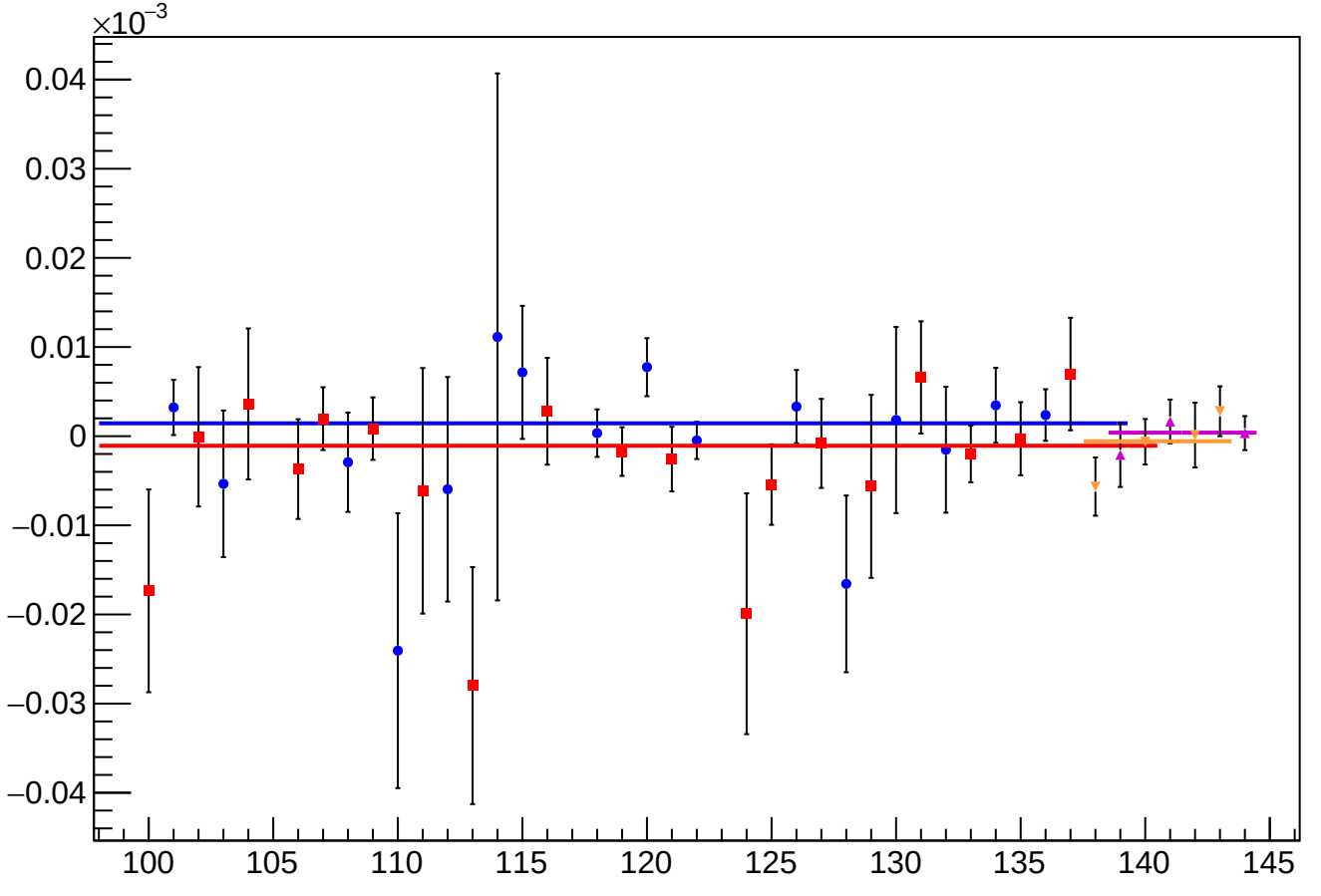
Left: 38.446+/-0.012 χ^2/NDF: 666453.0/6

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.039+/-0.010 χ^2/NDF:1838261.9/18

Out: 44.331+/-0.011 χ^2/NDF:1954129.7/22

All: 42.587+/-0.007 χ^2/NDF: 3843135.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/2

Left: -0.000+/-0.000 χ^2/NDF: 4.9/6

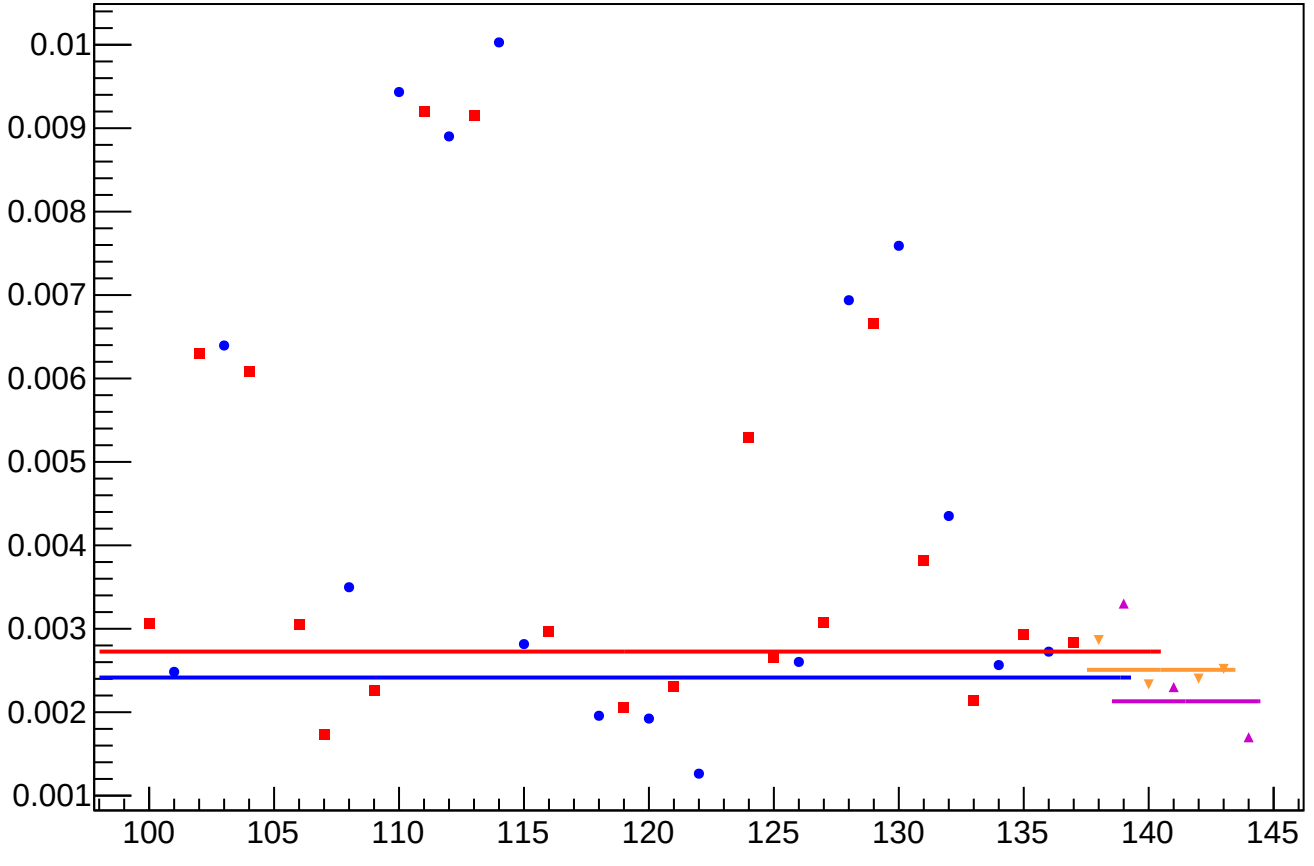
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:15.3/18

Out: -0.000+/-0.000 χ^2/NDF:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 36.7/41

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: 0.003+/-0.000 χ^2/NDF:35002.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:322252.7/2

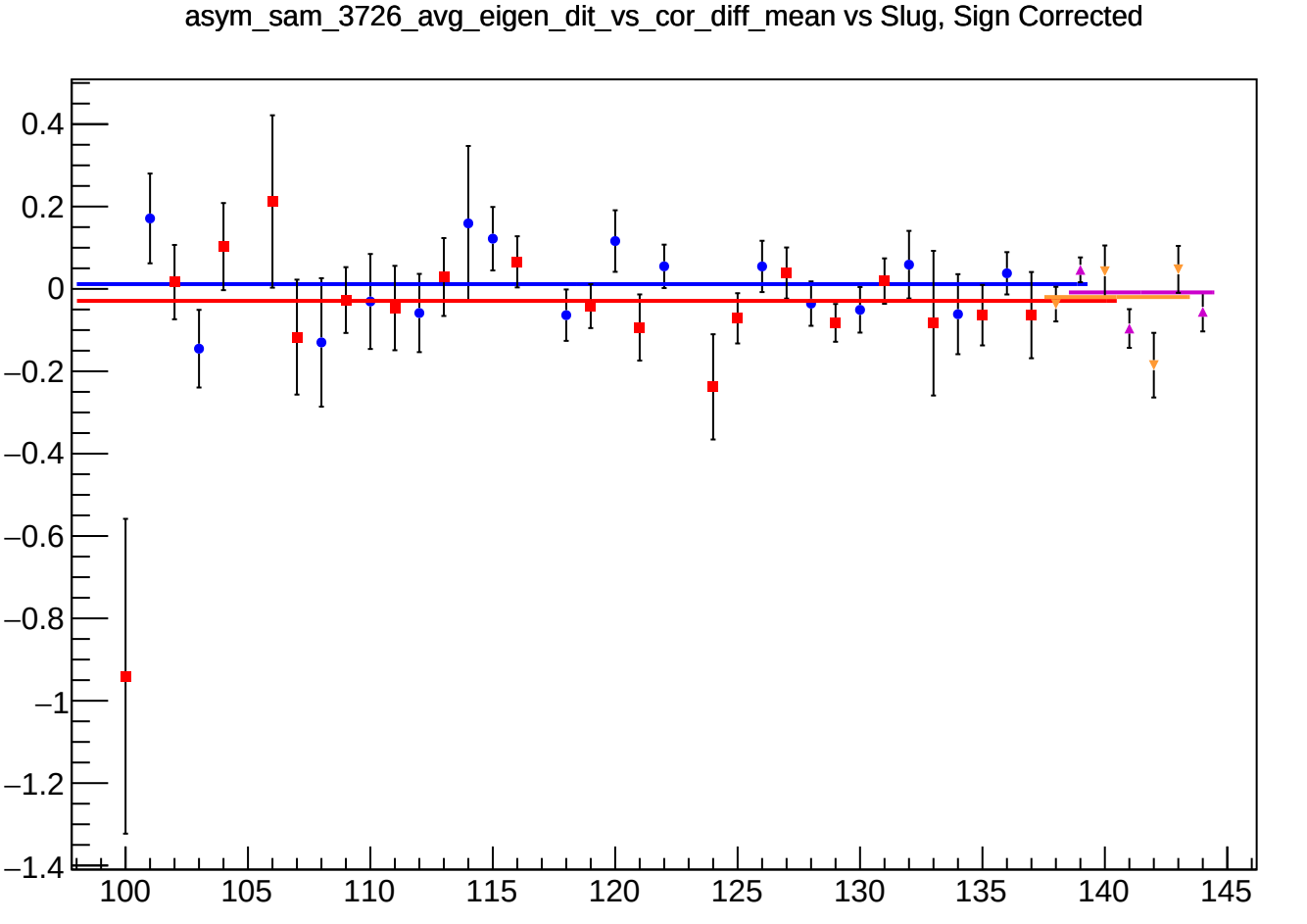
Left: 0.002+/-0.000 χ^2/NDF: 425819.4/6

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3808080.1/18

Out: 0.003+/-0.000 χ^2/NDF:2567616.2/22

All: 0.002+/-0.000 χ^2/NDF: 6524806.8/41



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.022 χ^2/NDF:7.8/2

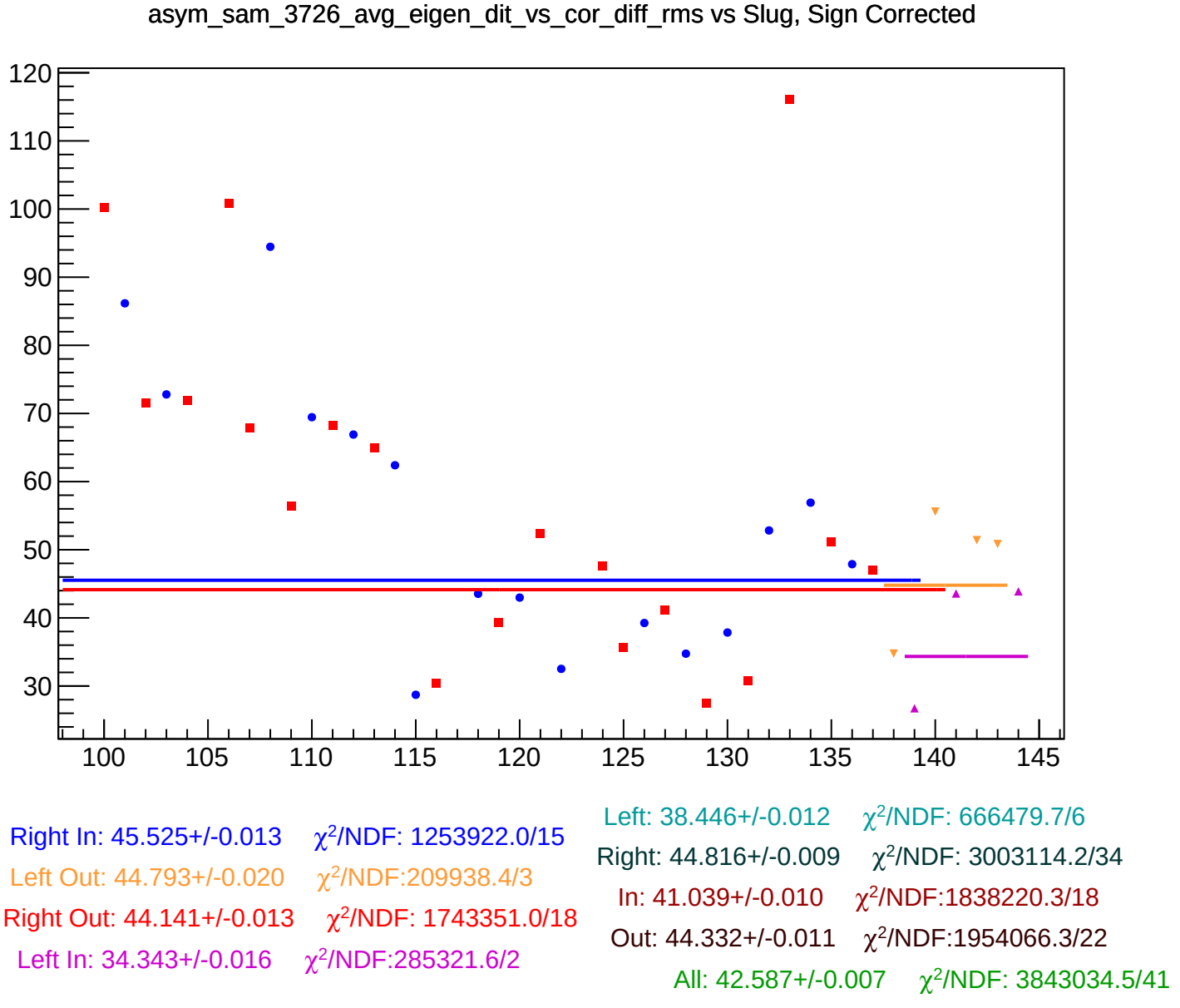
Left: -0.013+/-0.017 χ^2/NDF: 14.9/6

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

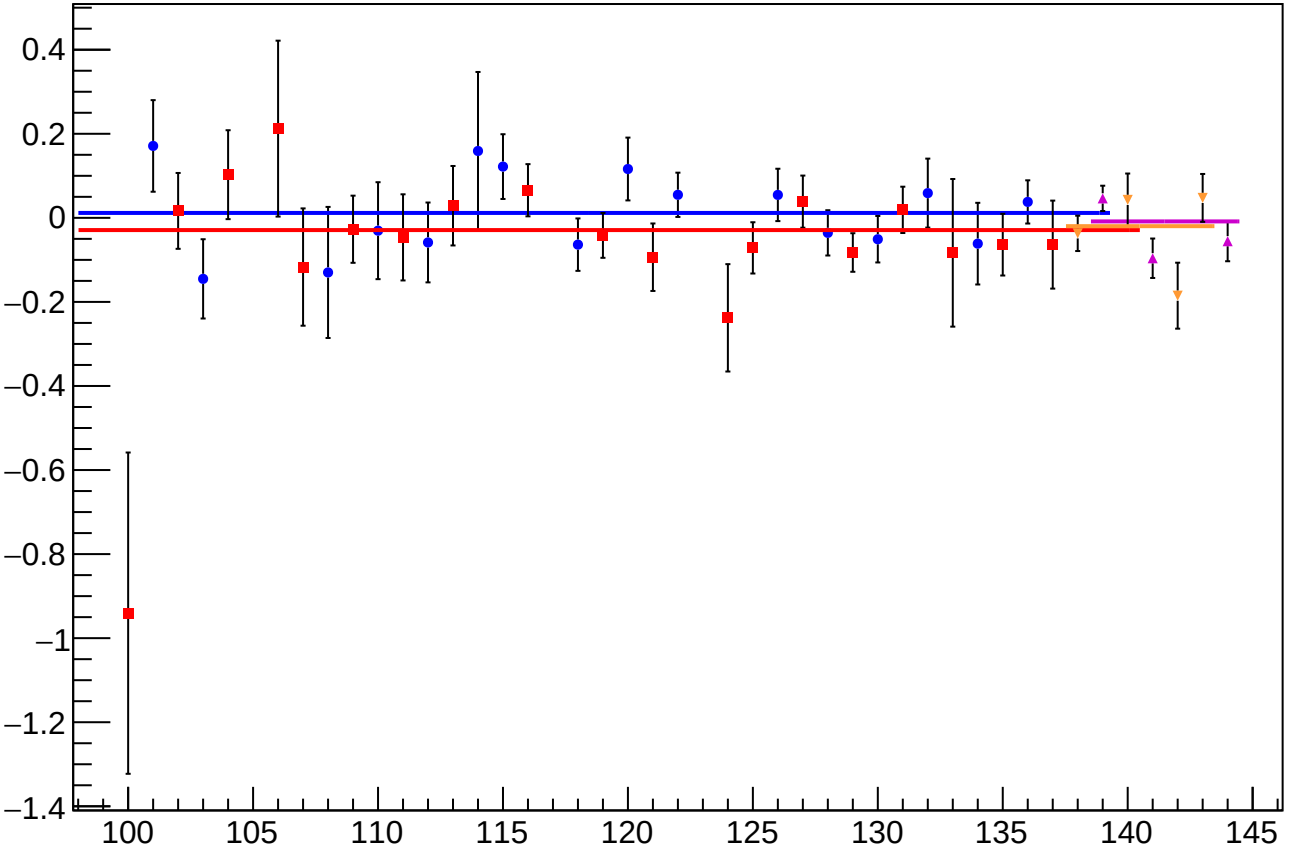
In: 0.004+/-0.014 χ^2/NDF:25.1/18

Out: -0.026+/-0.015 χ^2/NDF:26.6/22

All: -0.011+/-0.010 χ^2/NDF: 53.8/41


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
105
110
115
120
125
130
135
140
145
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 44.793+/-0.020 χ²/NDF:209938.4/3
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 34.343+/-0.016 χ²/NDF:285321.6/2
Left: 38.446+/-0.012 χ²/NDF: 666479.7/6
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 41.039+/-0.010 χ²/NDF:1838220.3/18
Out: 44.332+/-0.011 χ²/NDF:1954066.3/22
All: 42.587+/-0.007 χ²/NDF: 3843034.5/41

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.022 χ^2/NDF:7.8/2

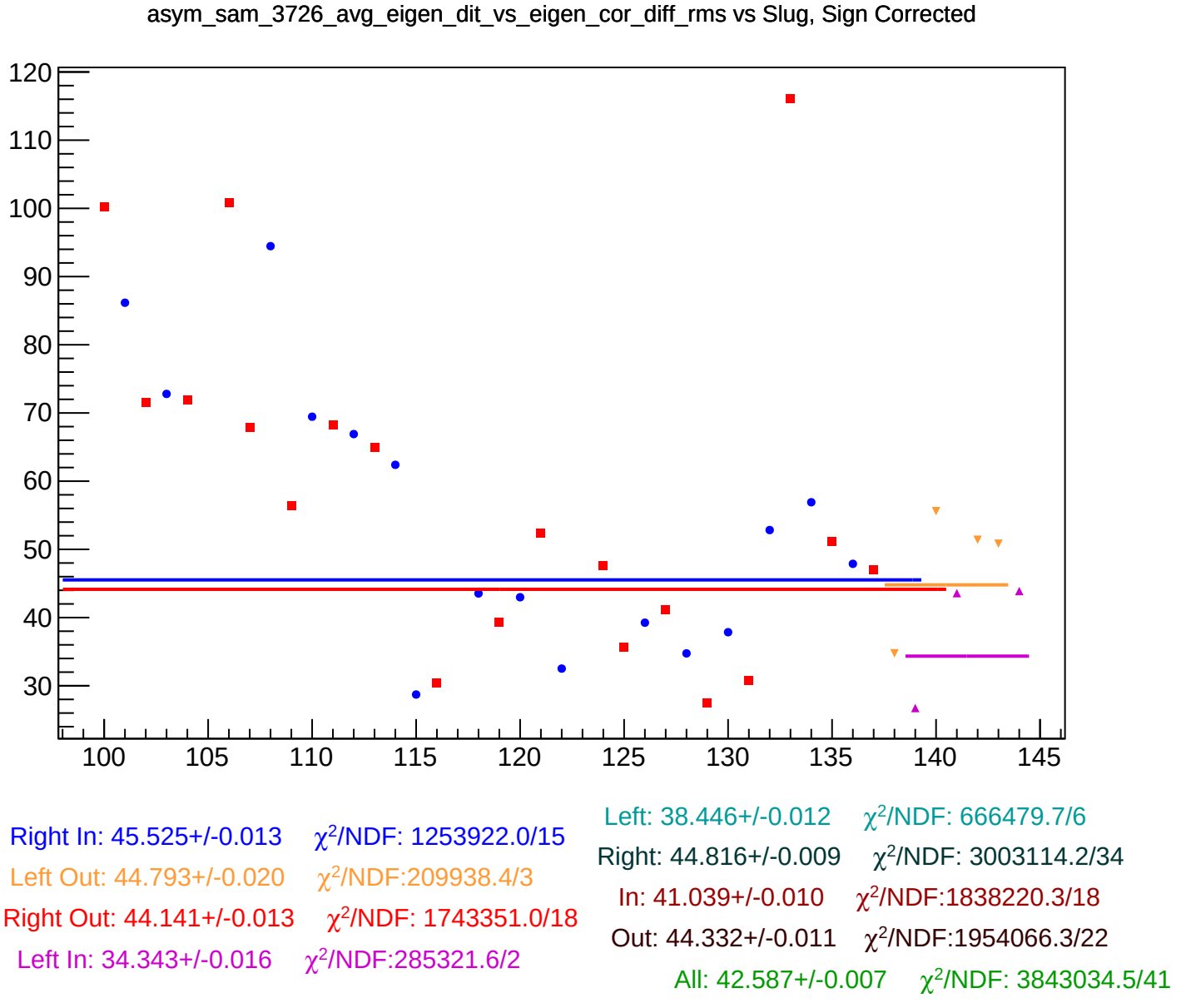
Left: -0.013+/-0.017 χ^2/NDF: 14.9/6

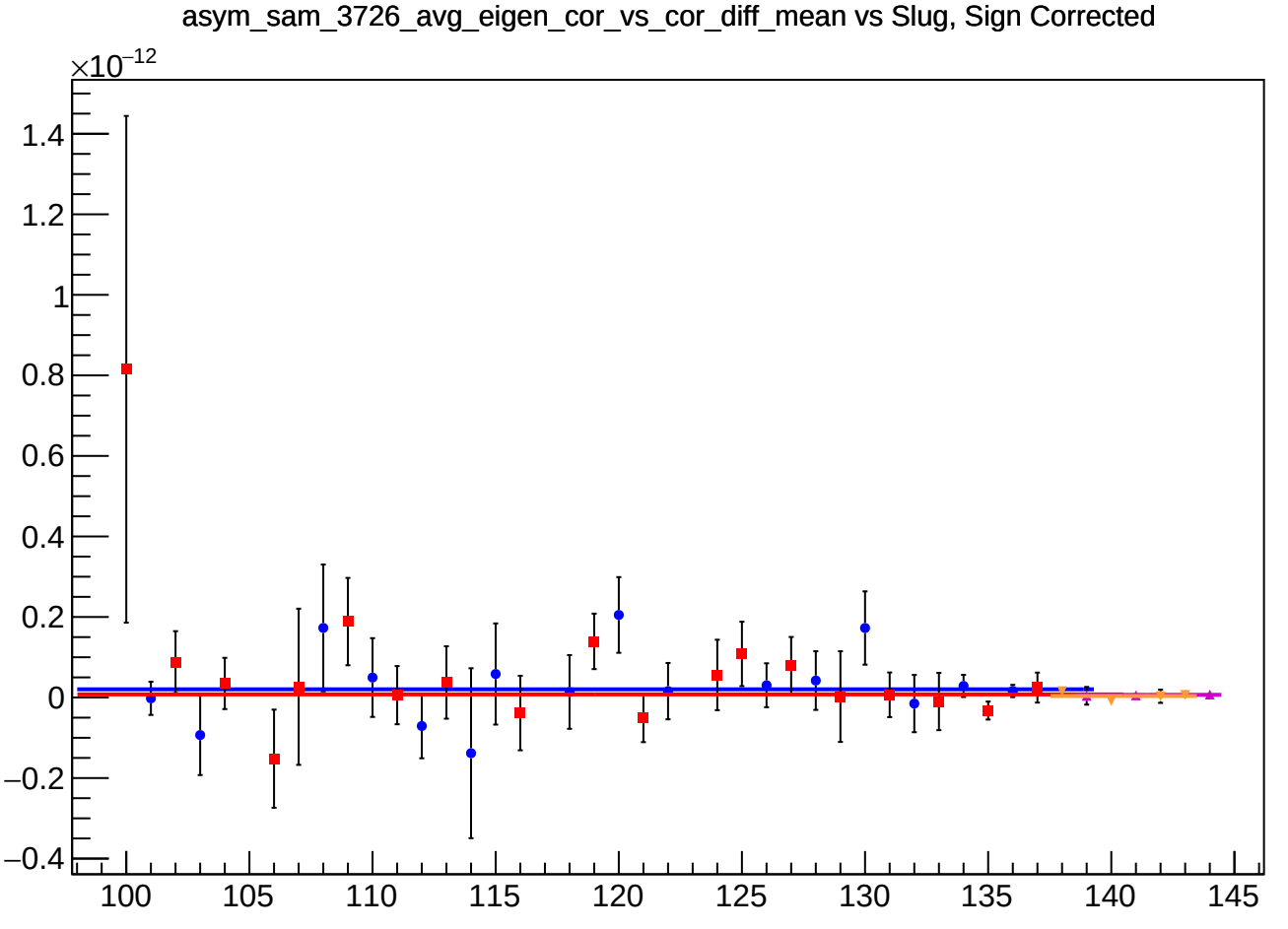
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

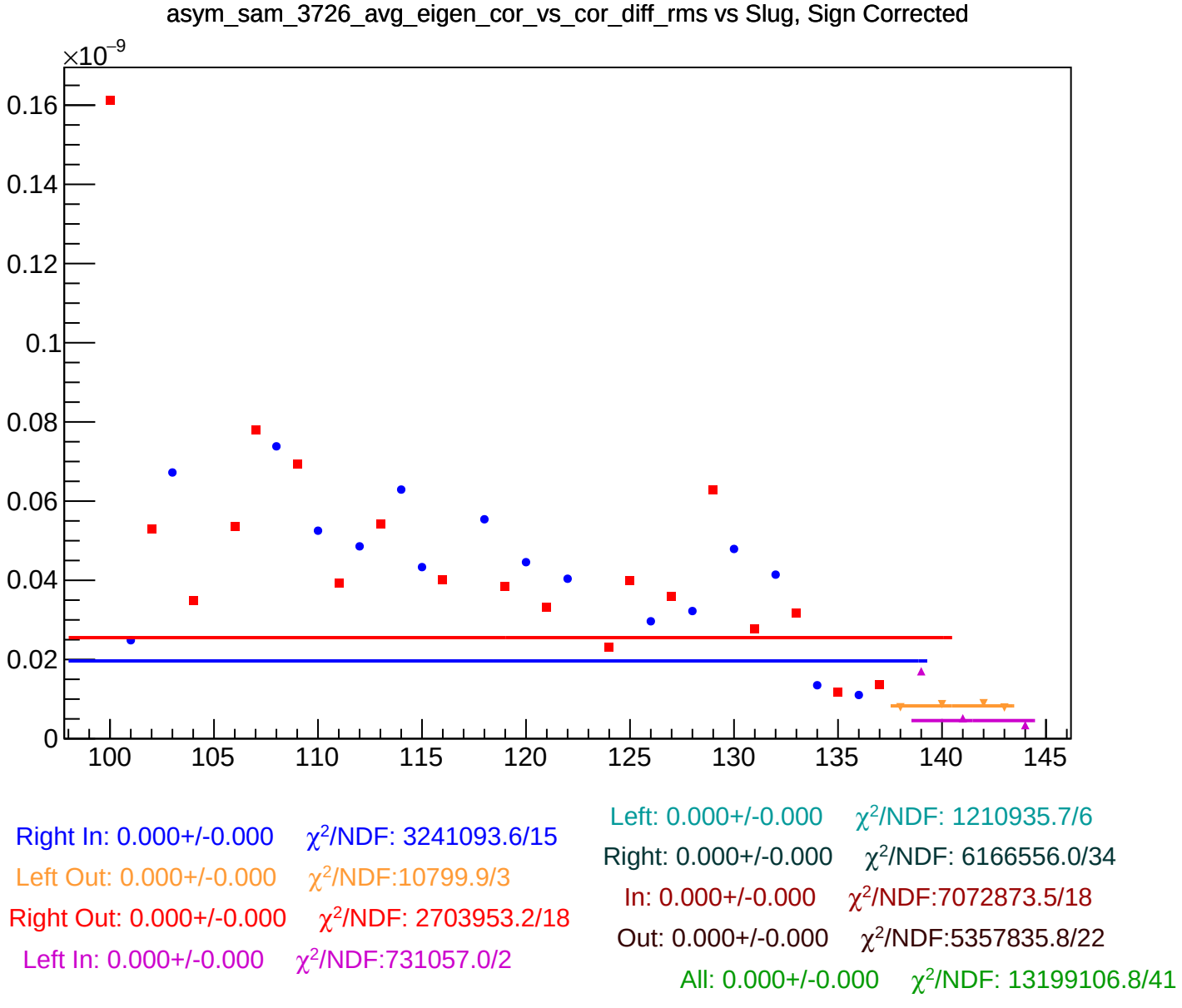
In: 0.004+/-0.014 χ^2/NDF:25.1/18

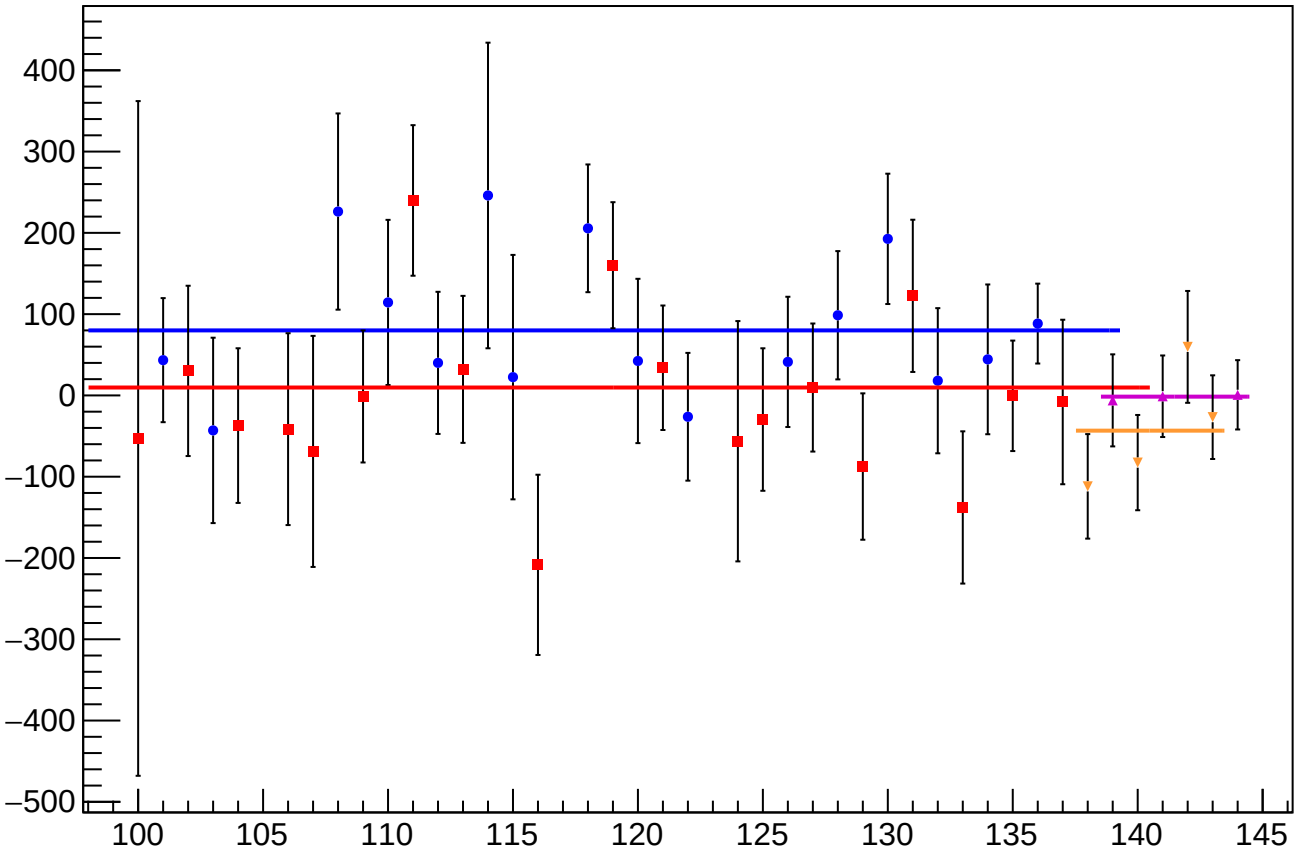
Out: -0.026+/-0.015 χ^2/NDF:26.6/22

All: -0.011+/-0.010 χ^2/NDF: 53.8/41


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
105
110
115
120
125
130
135
140
145
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 44.793+/-0.020 χ²/NDF:209938.4/3
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 34.343+/-0.016 χ²/NDF:285321.6/2
Left: 38.446+/-0.012 χ²/NDF: 666479.7/6
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 41.039+/-0.010 χ²/NDF:1838220.3/18
Out: 44.332+/-0.011 χ²/NDF:1954066.3/22
All: 42.587+/-0.007 χ²/NDF: 3843034.5/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.1/2
Left: 0.000+/-0.000 χ²/NDF: 2.4/6
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:13.1/18
Out: 0.000+/-0.000 χ²/NDF:21.0/22
All: 0.000+/-0.000 χ²/NDF: 34.5/41


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
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10799.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:731057.0/2
Left: 0.000+/-0.000 χ²/NDF: 1210935.7/6
Right: 0.000+/-0.000 χ²/NDF: 6166556.0/34
In: 0.000+/-0.000 χ²/NDF:7072873.5/18
Out: 0.000+/-0.000 χ²/NDF:5357835.8/22
All: 0.000+/-0.000 χ²/NDF: 13199106.8/41



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.342+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -1.508+/-28.182 χ^2/NDF:0.0/2

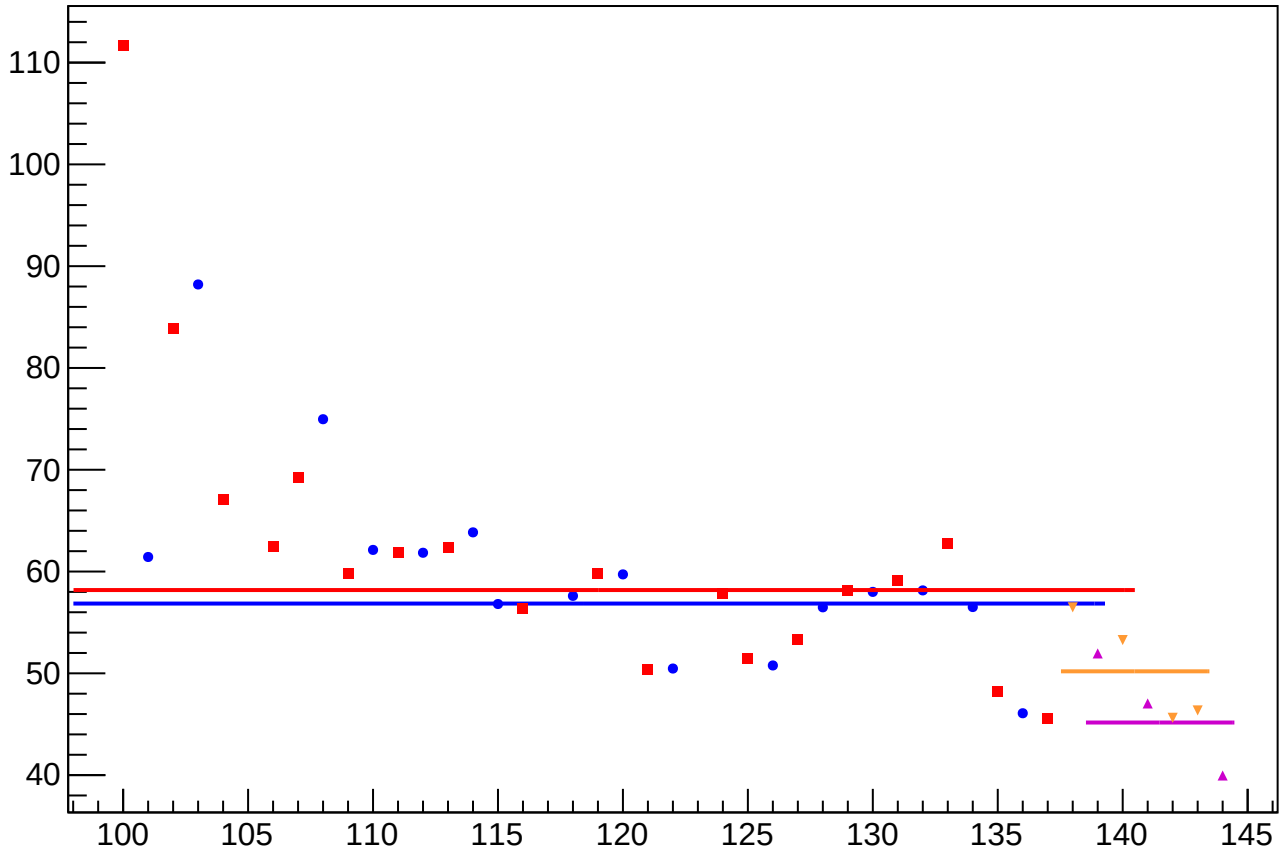
Left: -21.217+/-20.495 χ^2/NDF: 5.0/6

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 50.054+/-17.081 χ^2/NDF:16.9/18

Out: -8.522+/-17.510 χ^2/NDF:26.4/22

All: 21.493+/-12.227 χ^2/NDF: 48.9/41



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

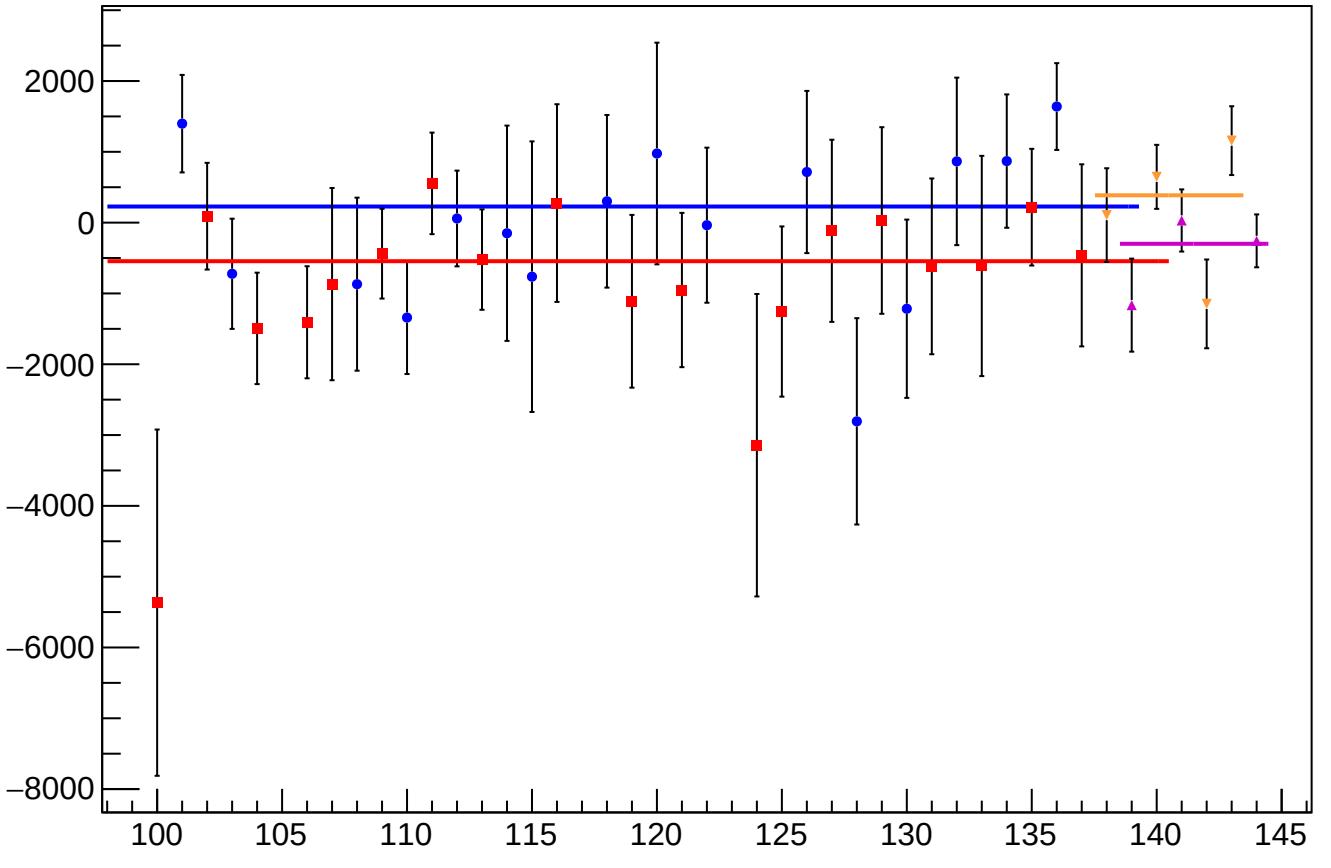
Left: 47.537+/-0.014 χ^2/NDF: 135880.6/6

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 52.561+/-0.012 χ^2/NDF:620545.1/18

Out: 55.436+/-0.012 χ^2/NDF:453030.9/22

All: 53.963+/-0.009 χ^2/NDF: 1101196.3/41



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 386.304+/-267.633 χ^2/NDF:9.0/3

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -298.844+/-261.030 χ^2/NDF:2.3/2

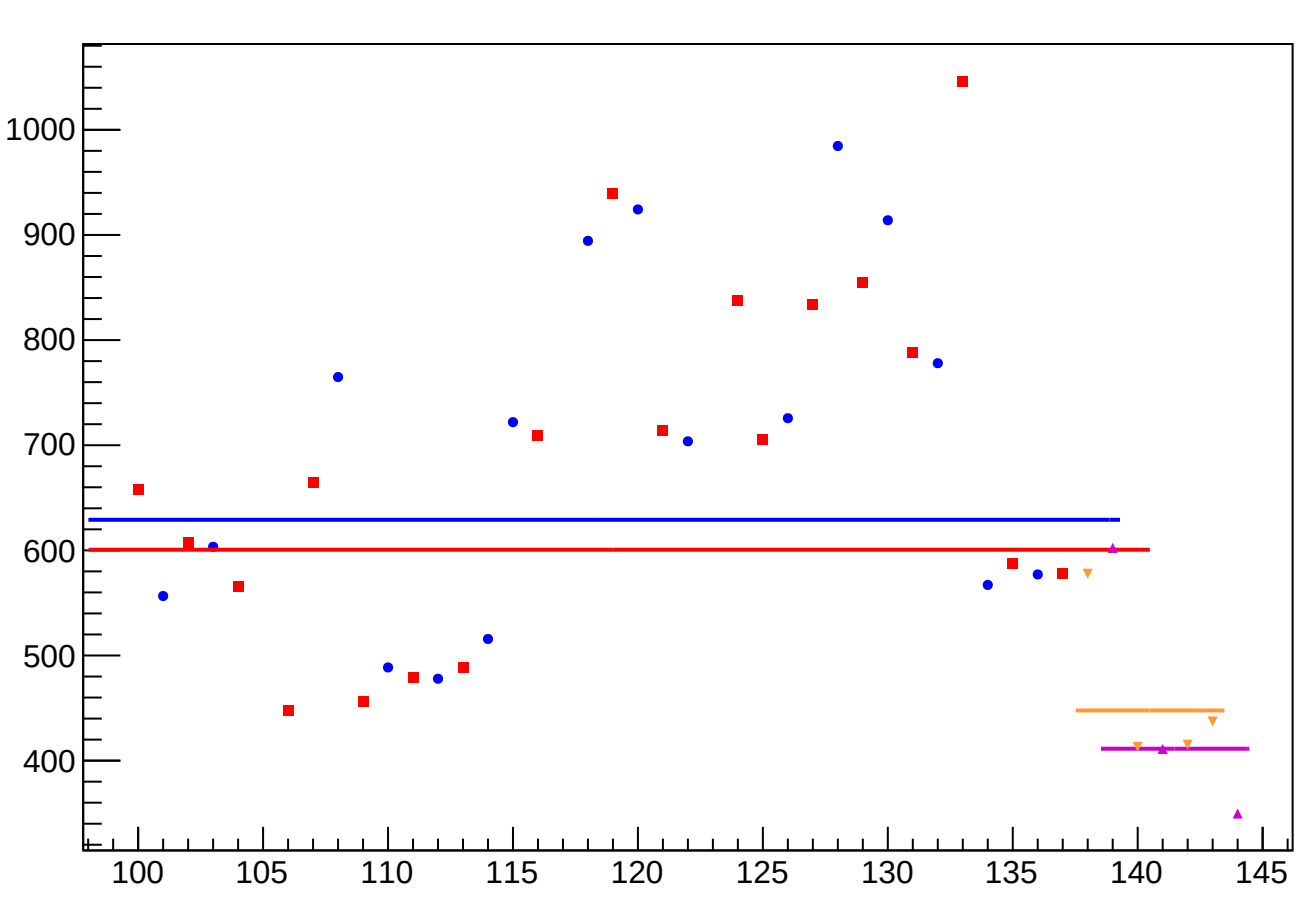
Left: 35.174+/-186.867 χ^2/NDF: 14.7/6

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -14.945+/-177.160 χ^2/NDF:26.1/18

Out: -154.721+/-173.223 χ^2/NDF:29.4/22

All: -86.403+/-123.856 χ^2/NDF: 55.9/41



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 447.731+/-0.189 χ^2/NDF:95334.2/3

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 411.318+/-0.185 χ^2/NDF:223592.0/2

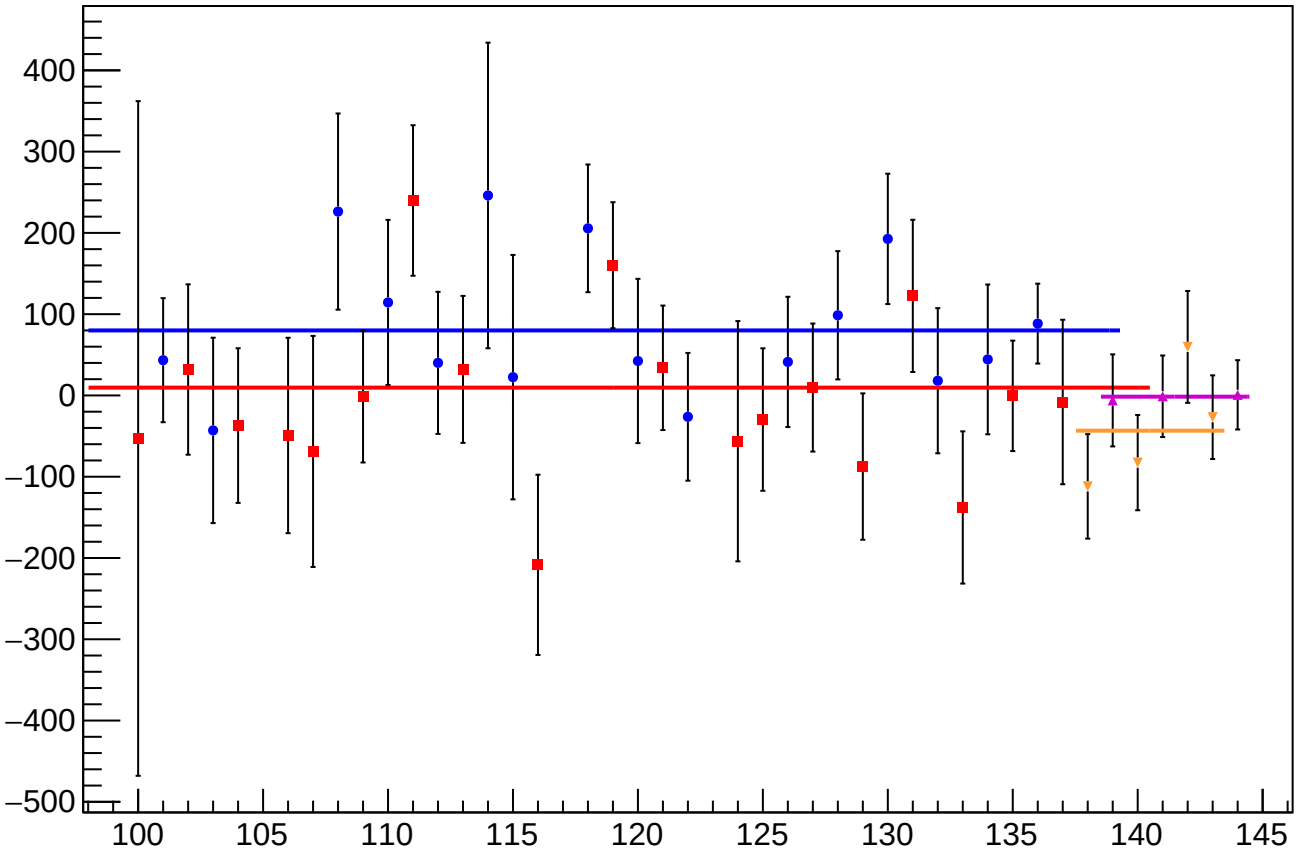
Left: 429.070+/-0.132 χ^2/NDF: 337899.2/6

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 528.781+/-0.125 χ^2/NDF:1667182.7/18

Out: 536.556+/-0.122 χ^2/NDF:1349076.5/22

All: 532.756+/-0.088 χ^2/NDF: 3018228.2/41



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -1.510+/-28.182 χ^2/NDF:0.0/2

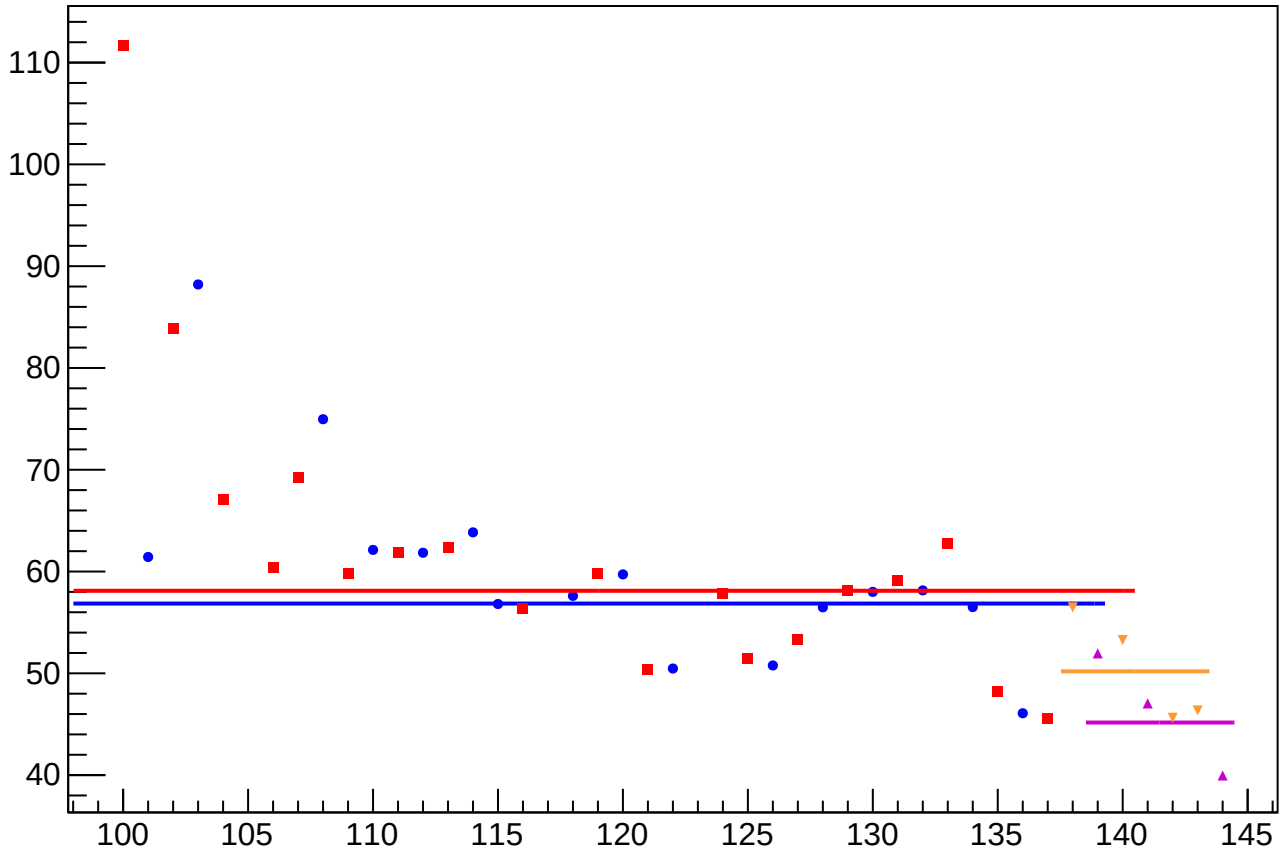
Left: -21.221+/-20.495 χ^2/NDF: 5.0/6

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 50.056+/-17.081 χ^2/NDF:16.9/18

Out: -8.612+/-17.517 χ^2/NDF:26.4/22

All: 21.462+/-12.229 χ^2/NDF: 49.0/41



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

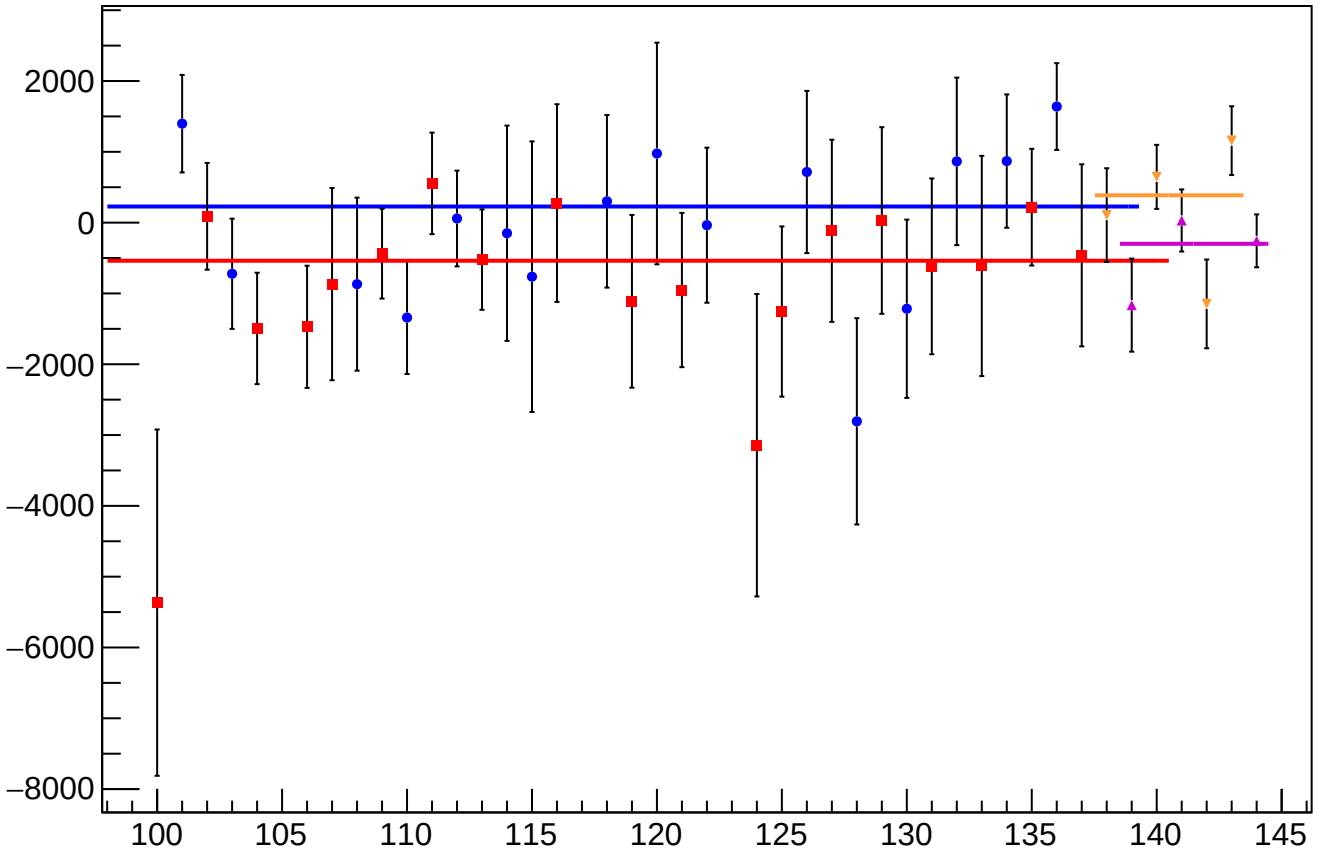
Left: 47.537+/-0.014 χ^2/NDF: 135880.6/6

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 52.561+/-0.012 χ^2/NDF:620549.0/18

Out: 55.387+/-0.012 χ^2/NDF:449614.1/22

All: 53.938+/-0.009 χ^2/NDF: 1096845.2/41



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 386.296+/-267.633 χ^2/NDF:9.0/3

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -298.850+/-261.030 χ^2/NDF:2.3/2

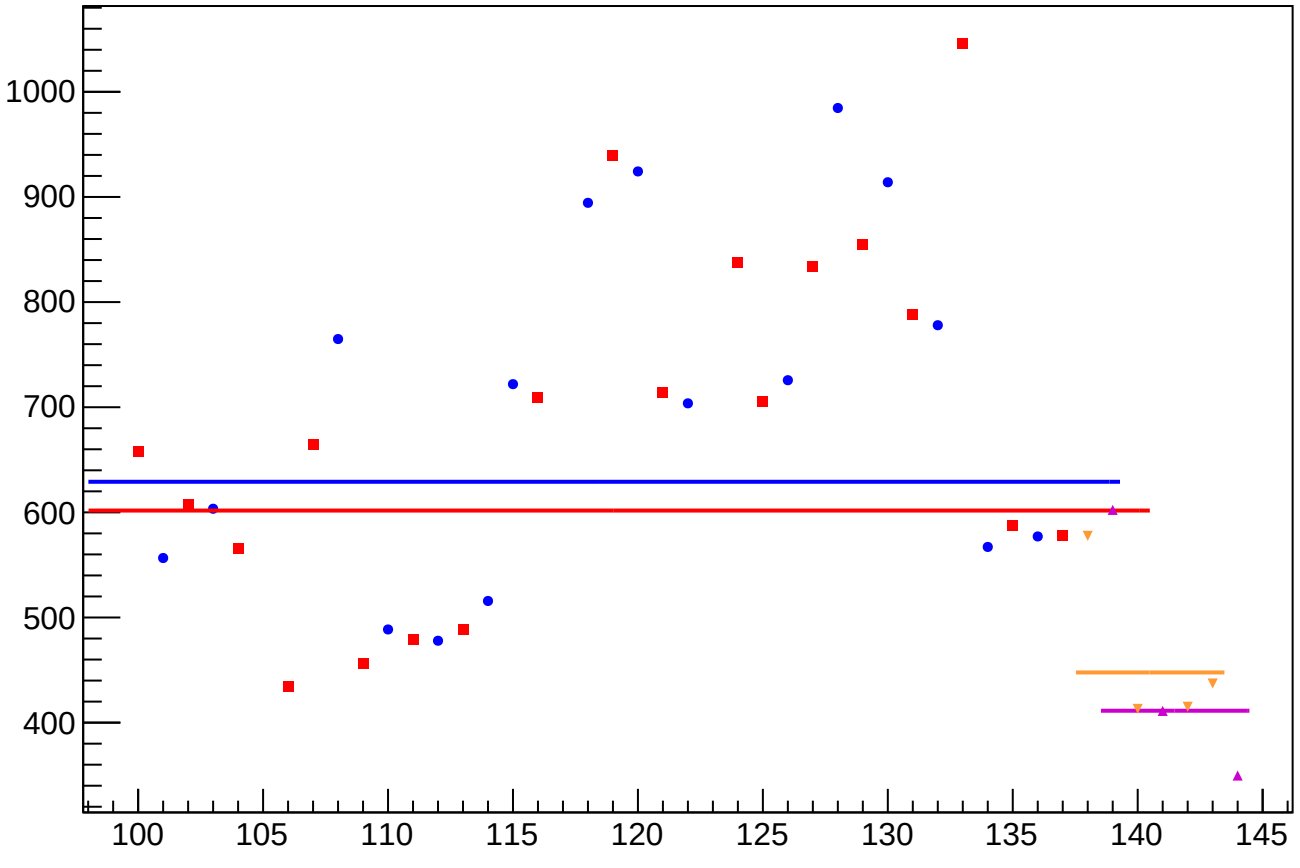
Left: 35.167+/-186.867 χ^2/NDF: 14.7/6

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -14.929+/-177.161 χ^2/NDF:26.1/18

Out: -147.872+/-173.890 χ^2/NDF:29.3/22

All: -82.639+/-124.099 χ^2/NDF: 55.7/41



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 411.319+/-0.185 χ^2/NDF:223591.3/2

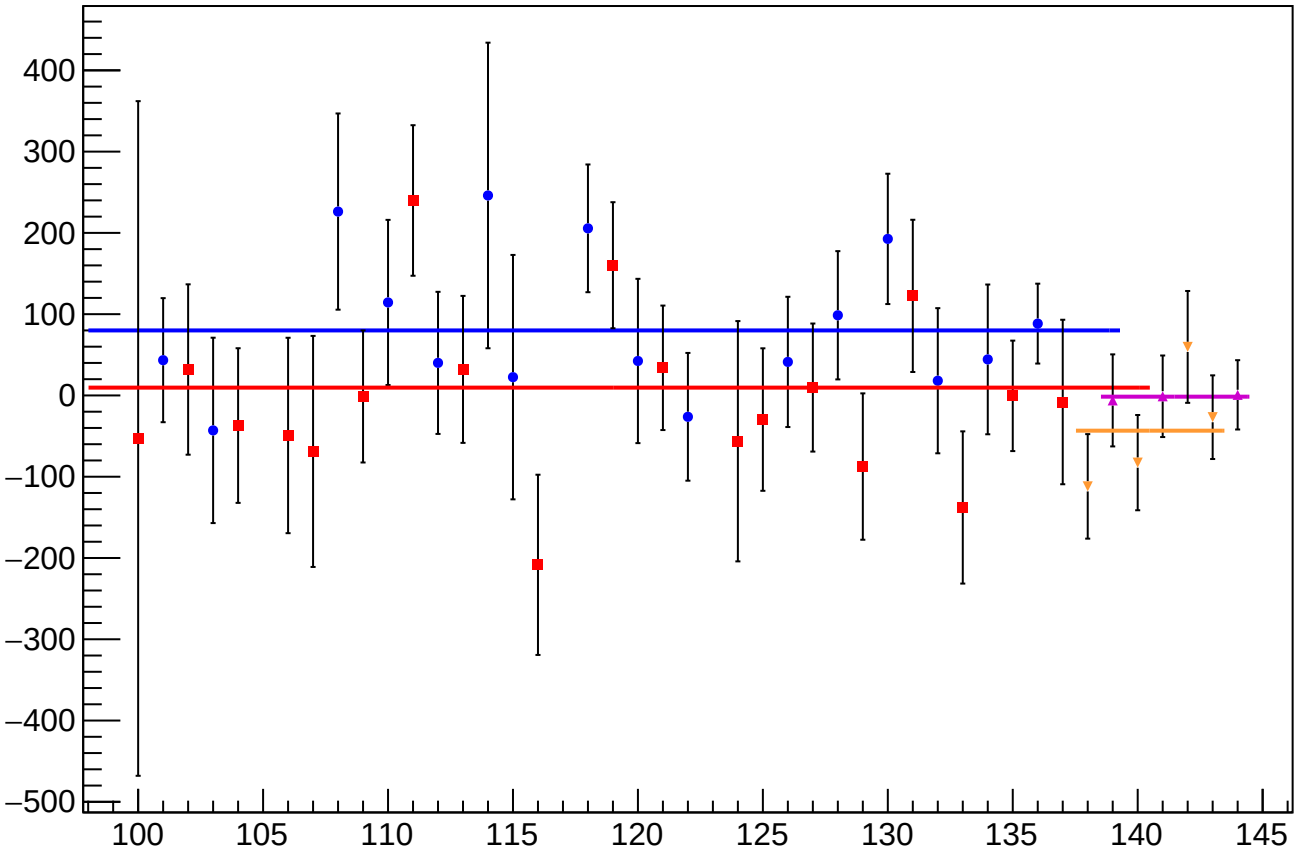
Left: 429.070+/-0.132 χ^2/NDF: 337897.5/6

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 528.783+/-0.125 χ^2/NDF:1667198.9/18

Out: 536.713+/-0.123 χ^2/NDF:1351979.7/22

All: 532.822+/-0.088 χ^2/NDF: 3021219.5/41



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -1.510+/-28.182 χ^2/NDF:0.0/2

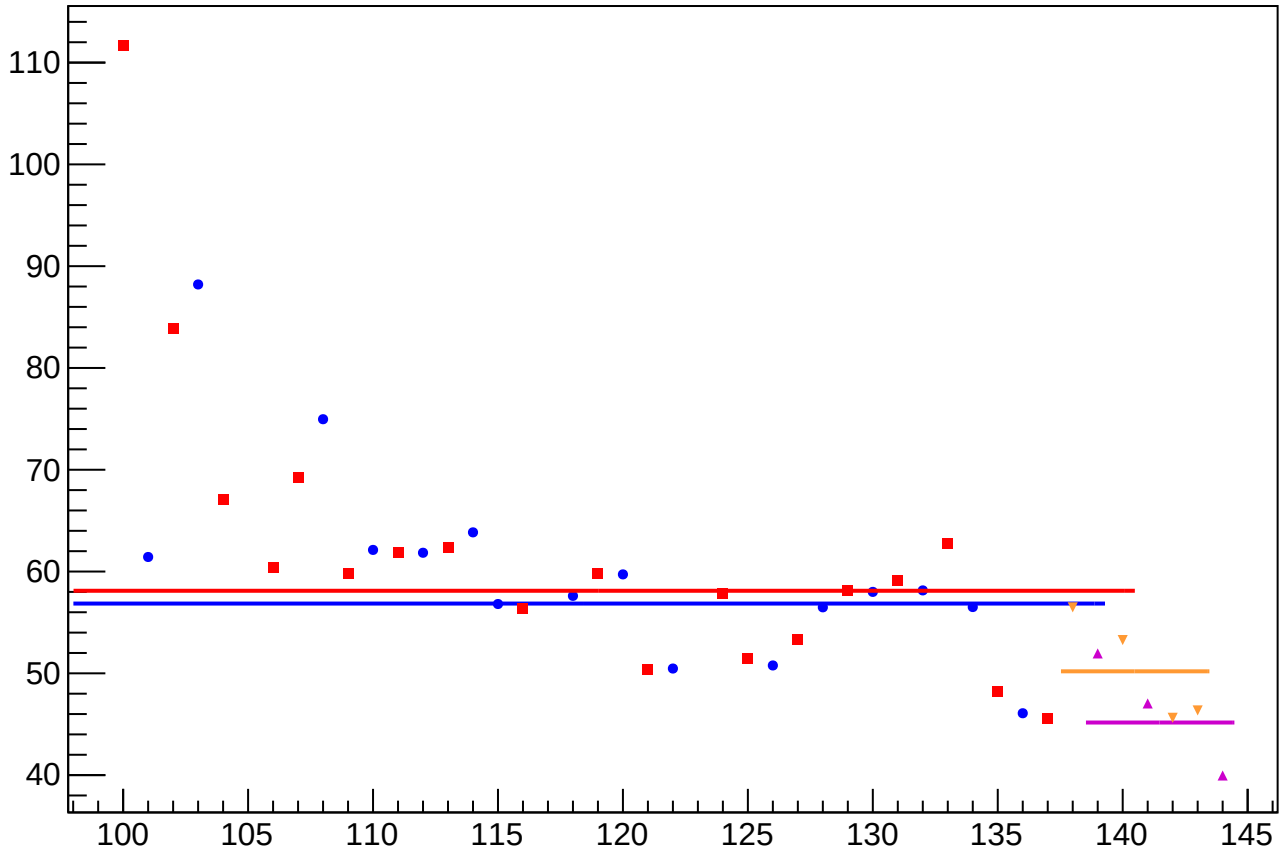
Left: -21.221+/-20.495 χ^2/NDF: 5.0/6

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 50.056+/-17.081 χ^2/NDF:16.9/18

Out: -8.612+/-17.517 χ^2/NDF:26.4/22

All: 21.462+/-12.229 χ^2/NDF: 49.0/41



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.167+/-0.020 χ^2/NDF:61323.3/2

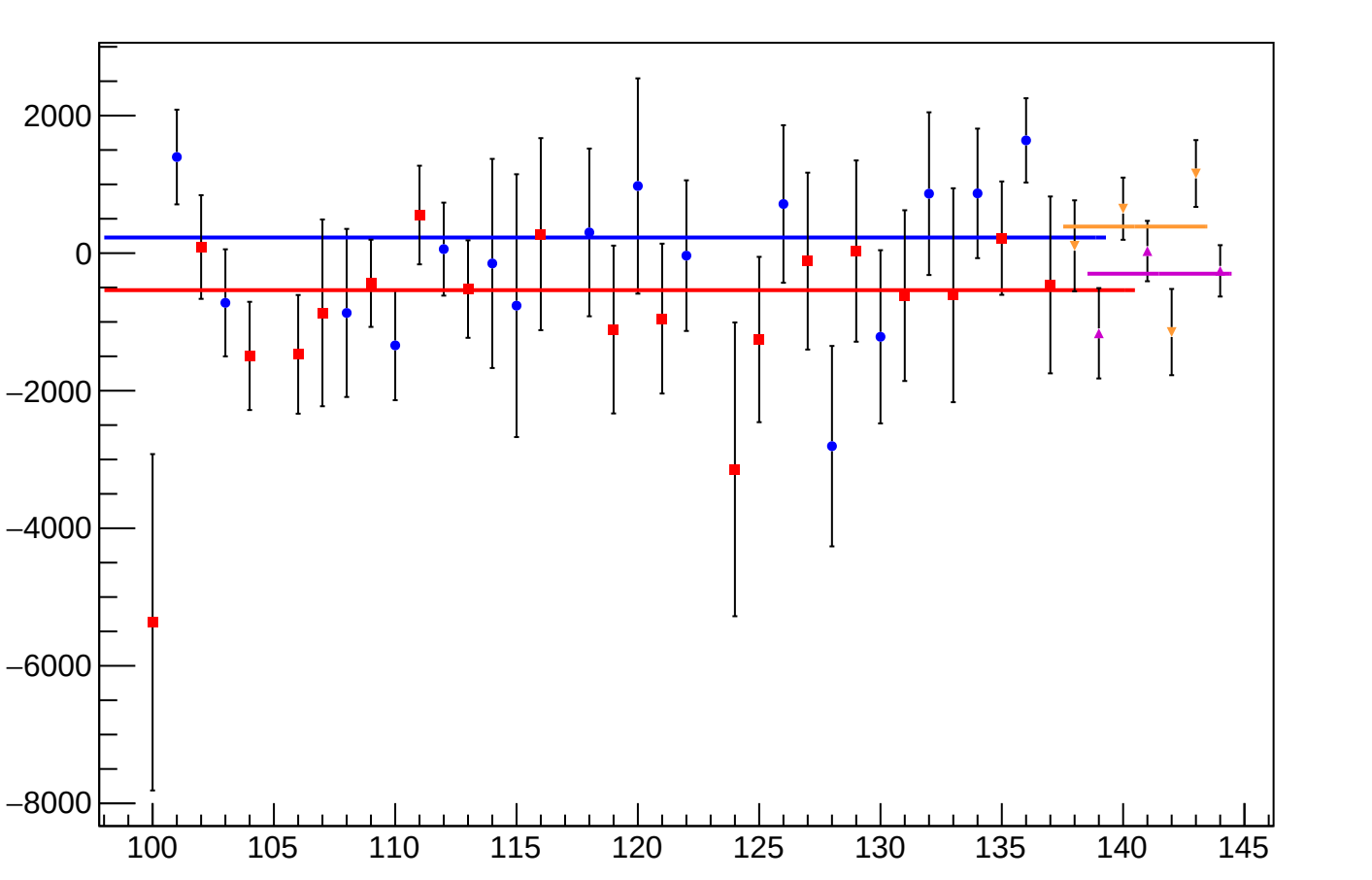
Left: 47.537+/-0.014 χ^2/NDF: 135880.6/6

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 52.561+/-0.012 χ^2/NDF:620549.0/18

Out: 55.387+/-0.012 χ^2/NDF:449614.1/22

All: 53.938+/-0.009 χ^2/NDF: 1096845.2/41



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 386.296+/-267.633 χ^2/NDF:9.0/3

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -298.850+/-261.030 χ^2/NDF:2.3/2

Left: 35.167+/-186.867 χ^2/NDF: 14.7/6

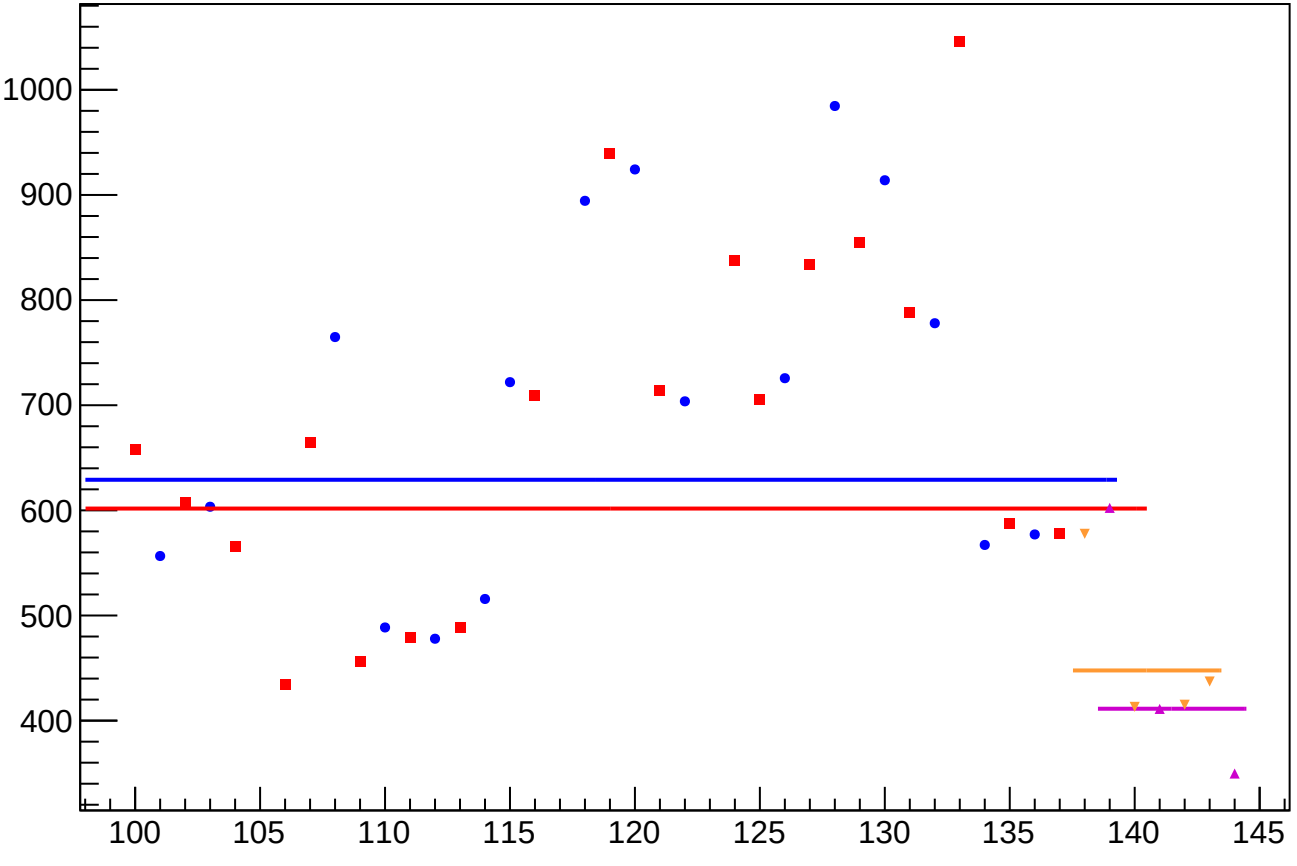
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -14.929+/-177.161 χ^2/NDF:26.1/18

Out: -147.872+/-173.890 χ^2/NDF:29.3/22

All: -82.639+/-124.099 χ^2/NDF: 55.7/41

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: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 411.319+/-0.185 χ^2/NDF:223591.3/2

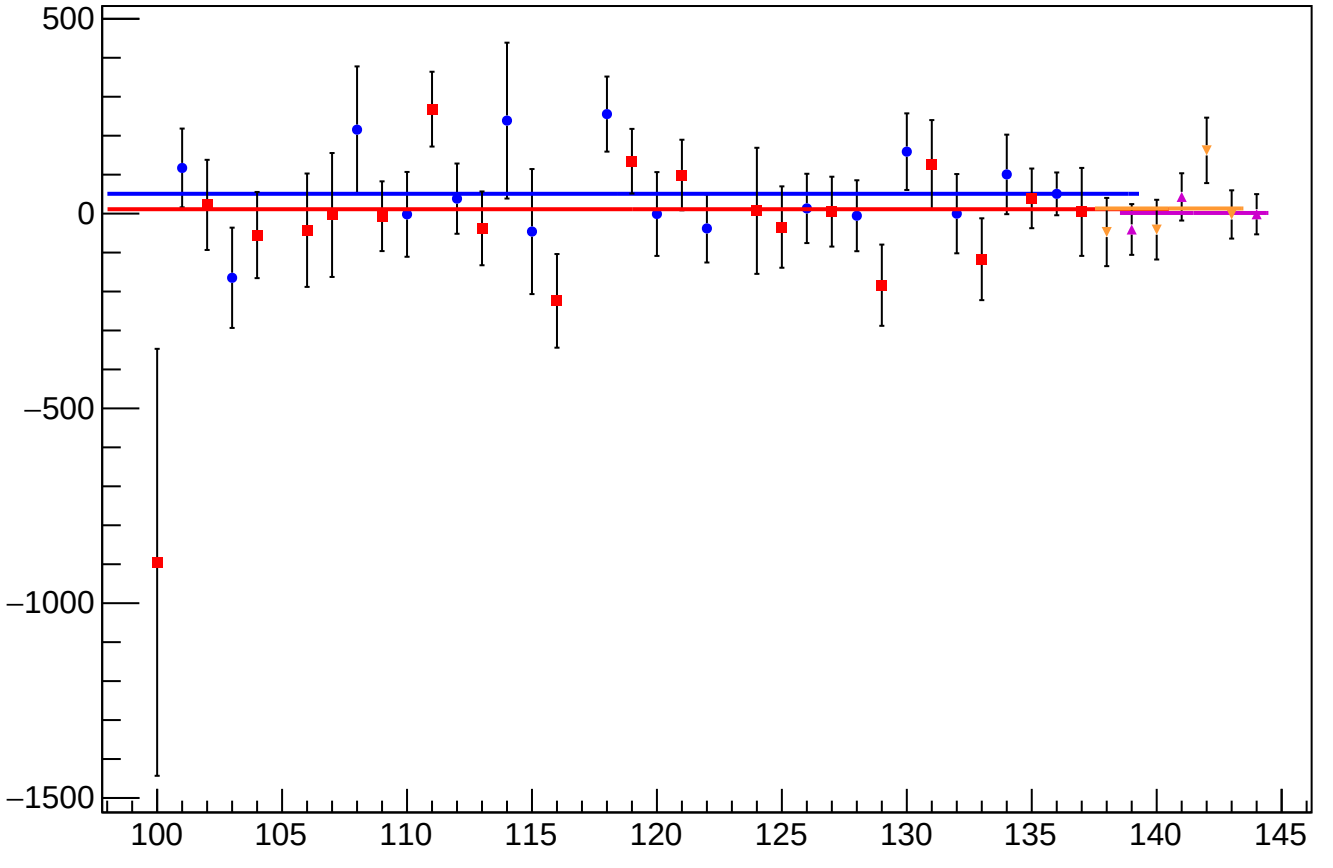
Left: 429.070+/-0.132 χ^2/NDF: 337897.5/6

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 528.783+/-0.125 χ^2/NDF:1667198.9/18

Out: 536.713+/-0.123 χ^2/NDF:1351979.7/22

All: 532.822+/-0.088 χ^2/NDF: 3021219.5/41



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 1.636+/-33.663 χ^2/NDF:0.9/2

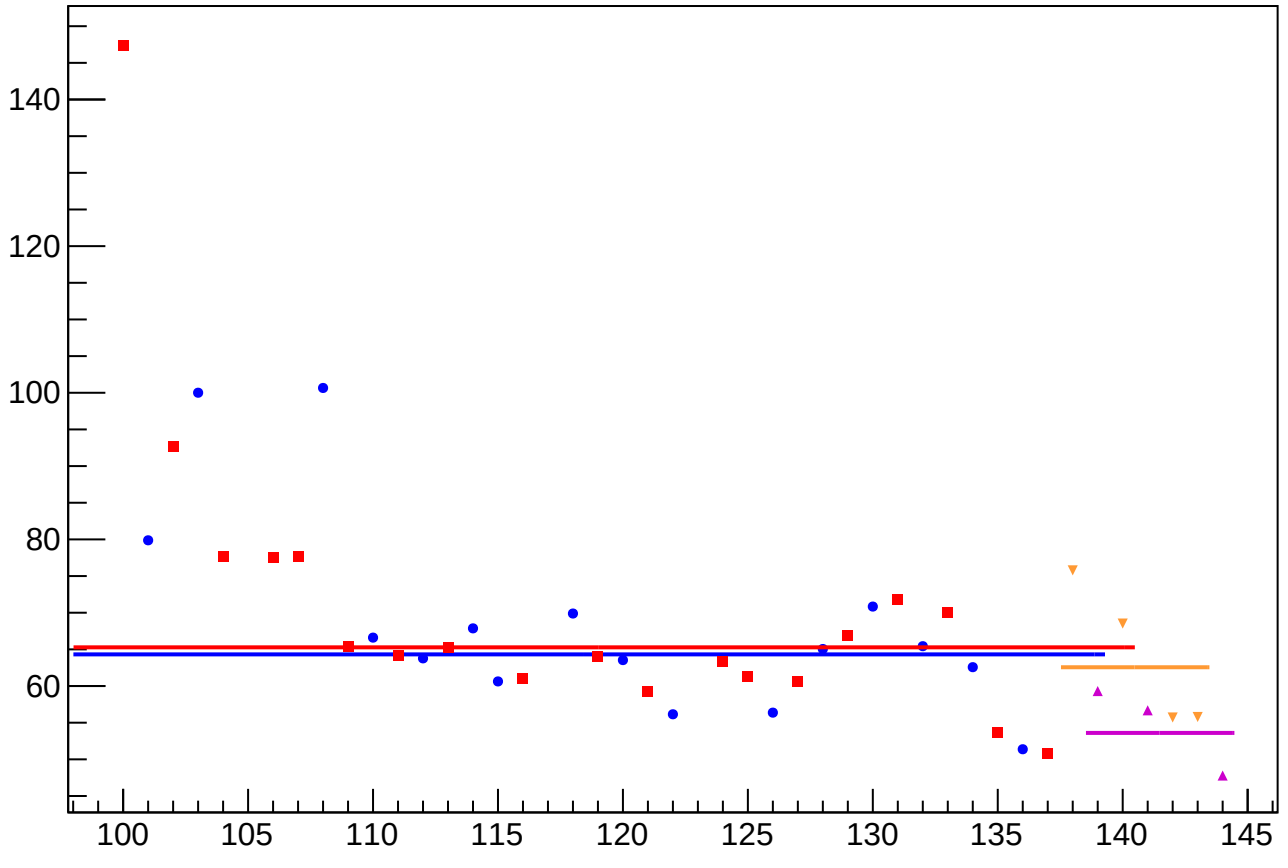
Left: 6.750+/-25.115 χ^2/NDF: 5.1/6

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 33.823+/-19.805 χ^2/NDF:16.1/18

Out: 11.821+/-20.442 χ^2/NDF:28.2/22

All: 23.170+/-14.224 χ^2/NDF: 44.9/41



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 62.560+/-0.027 χ^2/NDF:94915.3/3

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 53.605+/-0.024 χ^2/NDF:45891.0/2

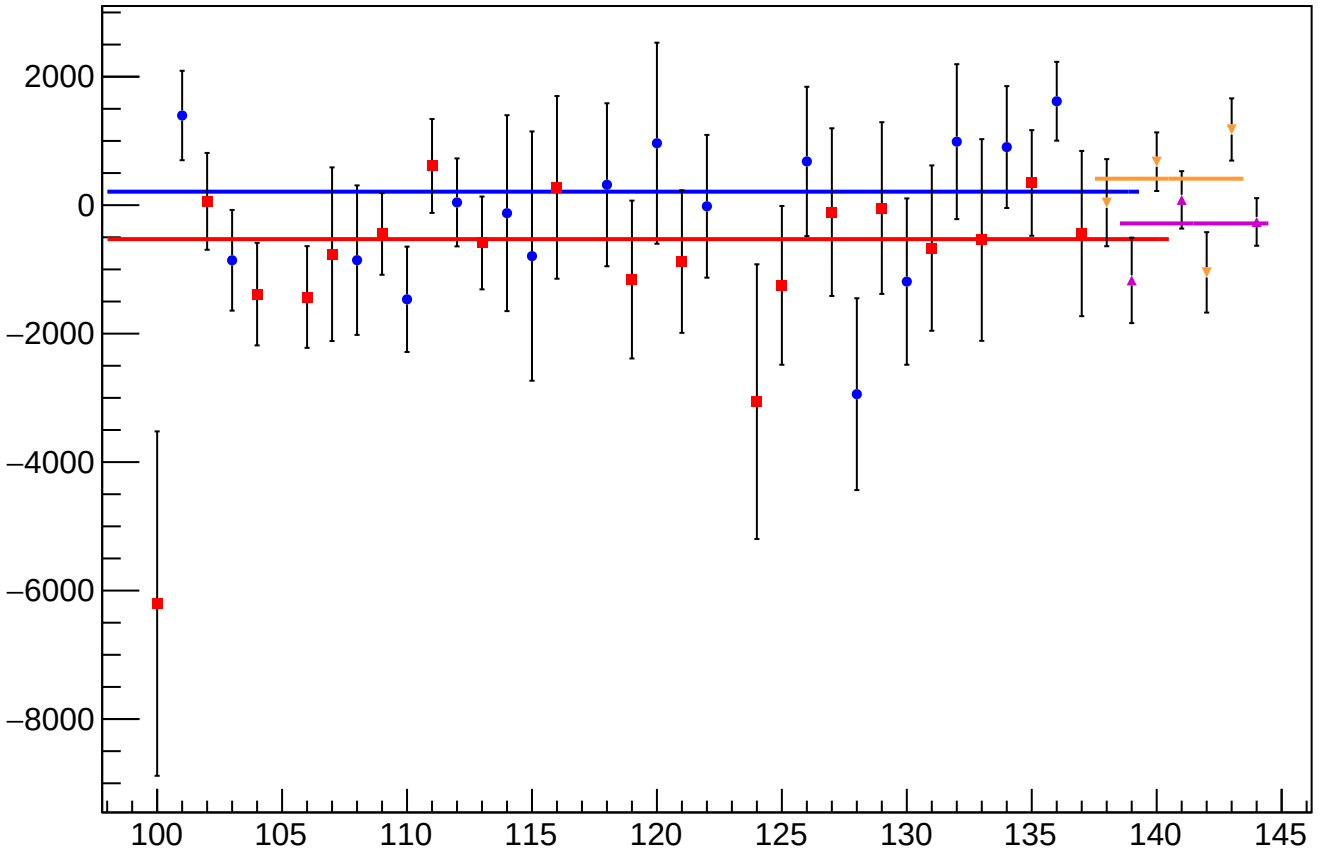
Left: 57.576+/-0.018 χ^2/NDF: 203555.1/6

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 60.609+/-0.014 χ^2/NDF:643256.2/18

Out: 64.479+/-0.014 χ^2/NDF:421383.9/22

All: 62.483+/-0.010 χ^2/NDF: 1101613.9/41



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 412.236+/-269.234 χ^2/NDF:8.6/3

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -284.470+/-262.118 χ^2/NDF:2.5/2

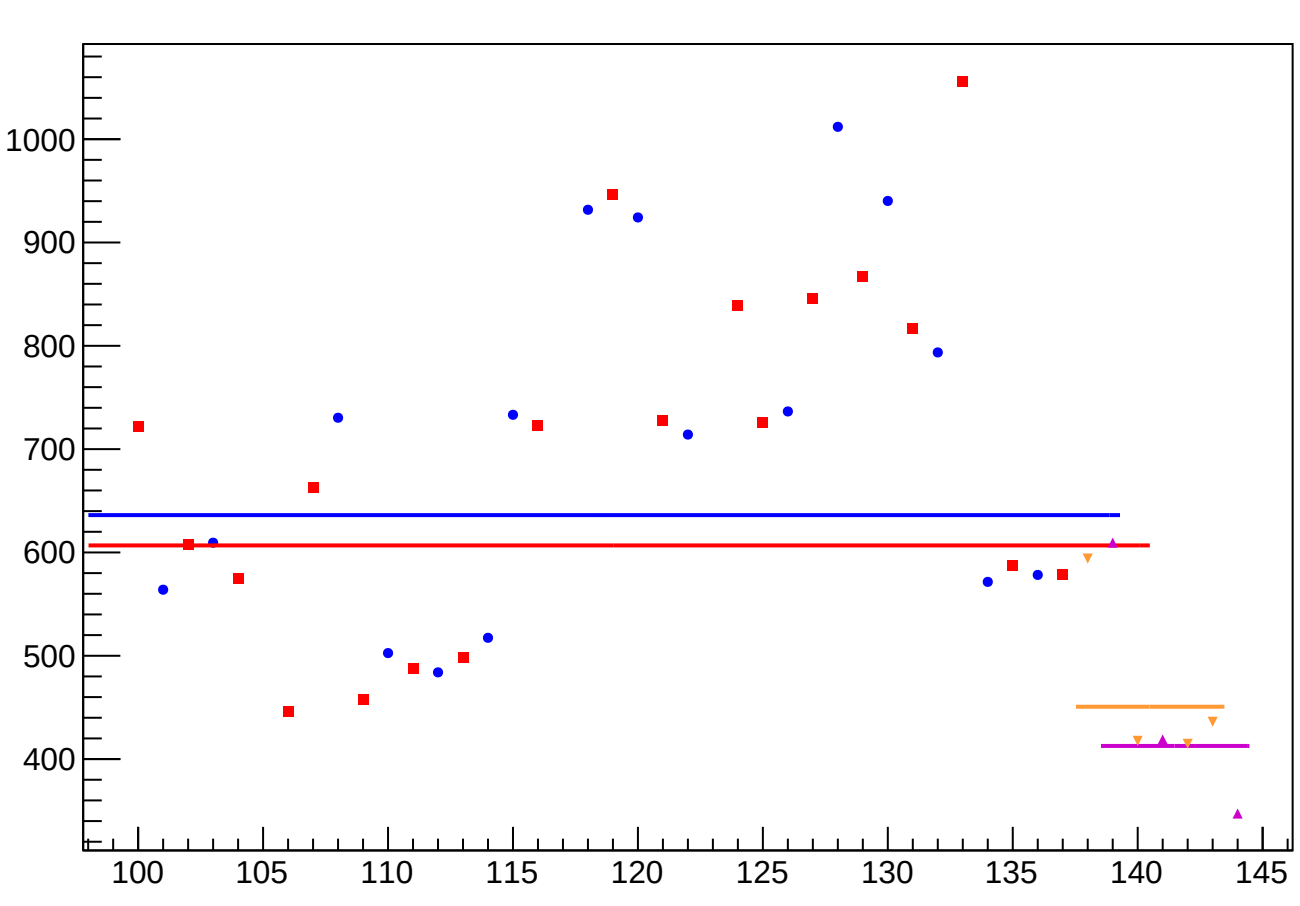
Left: 54.553+/-187.811 χ^2/NDF: 14.5/6

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -19.344+/-178.517 χ^2/NDF:26.8/18

Out: -132.352+/-174.735 χ^2/NDF:29.5/22

All: -77.057+/-124.872 χ^2/NDF: 56.5/41



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 450.675+/-0.190 χ^2/NDF:108408.2/3

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 412.725+/-0.185 χ^2/NDF:237883.7/2

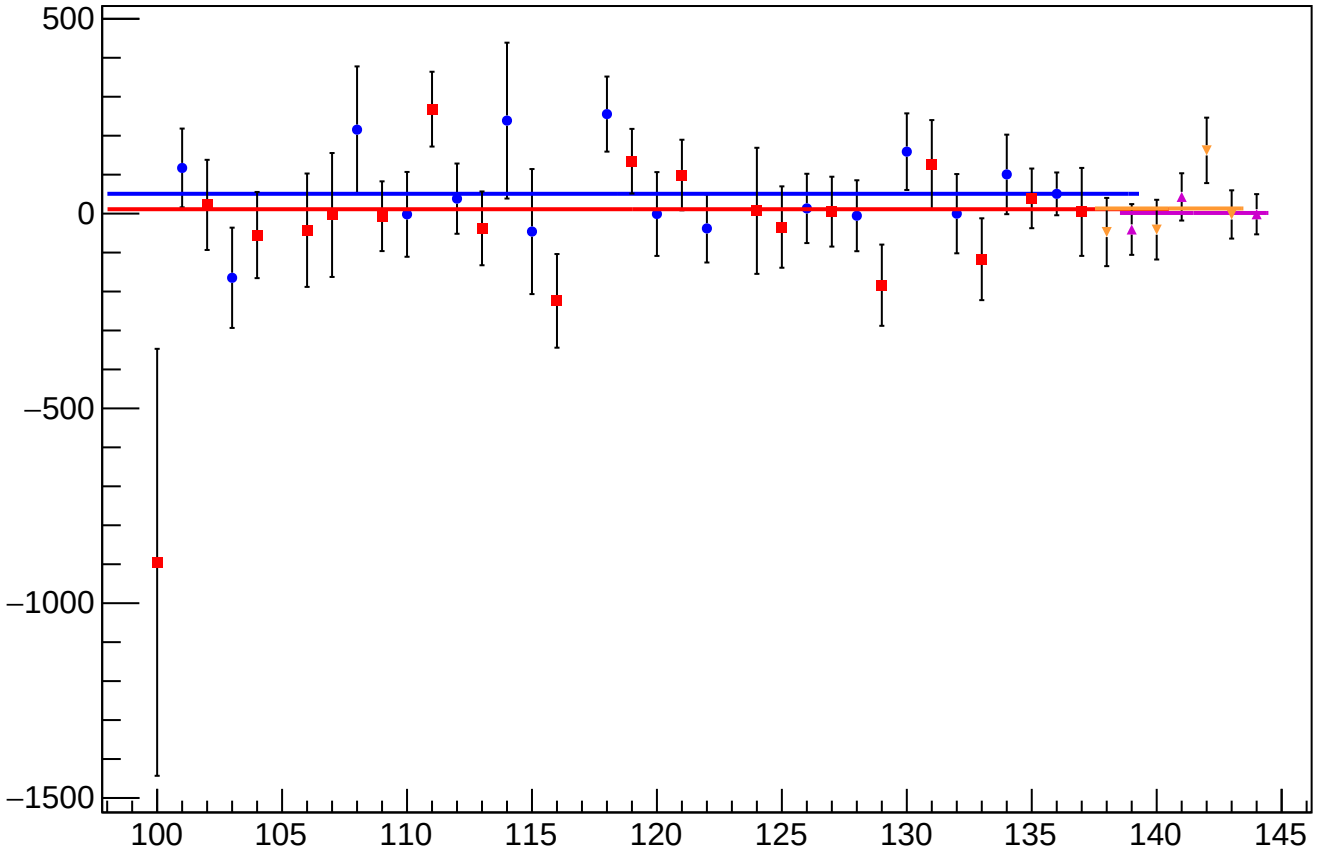
Left: 431.192+/-0.133 χ^2/NDF: 366692.0/6

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 532.514+/-0.126 χ^2/NDF:1722191.2/18

Out: 541.040+/-0.124 χ^2/NDF:1391557.5/22

All: 536.868+/-0.088 χ^2/NDF: 3116078.3/41



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 1.636+/-33.663 χ^2/NDF:0.9/2

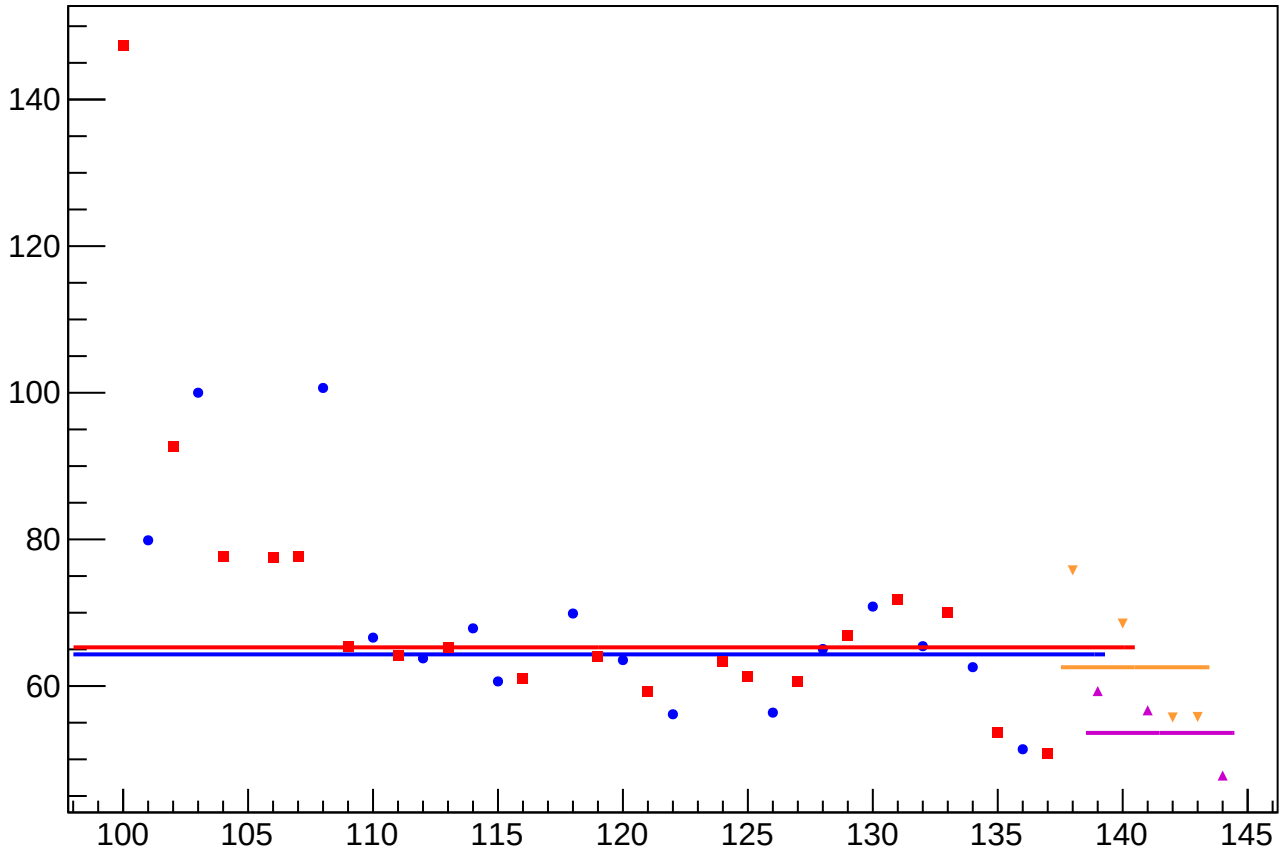
Left: 6.749+/-25.115 χ^2/NDF: 5.1/6

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 33.821+/-19.805 χ^2/NDF:16.1/18

Out: 11.821+/-20.442 χ^2/NDF:28.2/22

All: 23.170+/-14.224 χ^2/NDF: 44.9/41



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 62.560+/-0.027 χ^2/NDF:94910.0/3

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.605+/-0.024 χ^2/NDF:45886.9/2

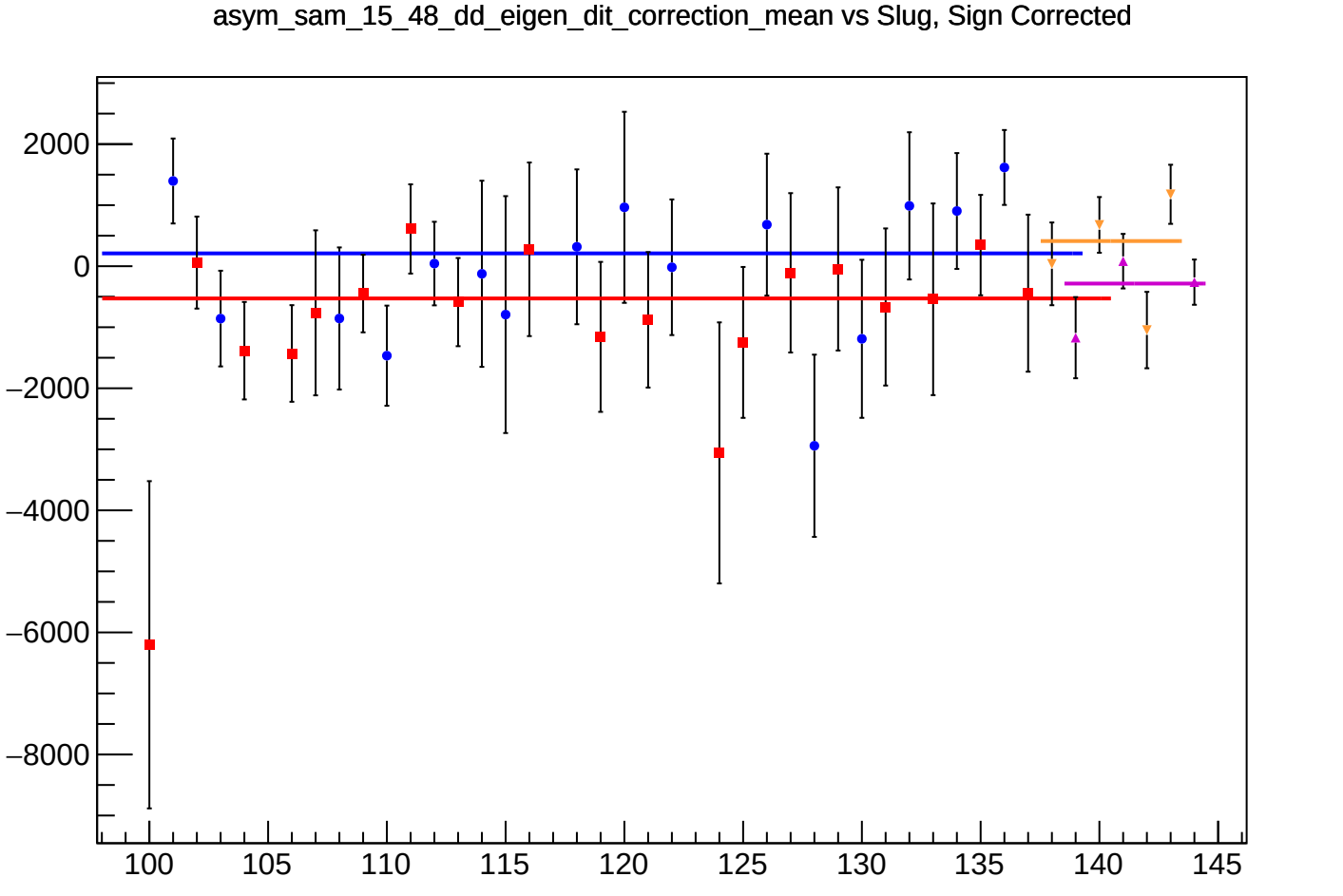
Left: 57.576+/-0.018 χ^2/NDF: 203546.4/6

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 60.609+/-0.014 χ^2/NDF:643249.0/18

Out: 64.479+/-0.014 χ^2/NDF:421381.3/22

All: 62.483+/-0.010 χ^2/NDF: 1101603.4/41



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 412.237+/-269.234 χ^2/NDF:8.6/3

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -284.470+/-262.117 χ^2/NDF:2.5/2

Left: 54.553+/-187.810 χ^2/NDF: 14.5/6

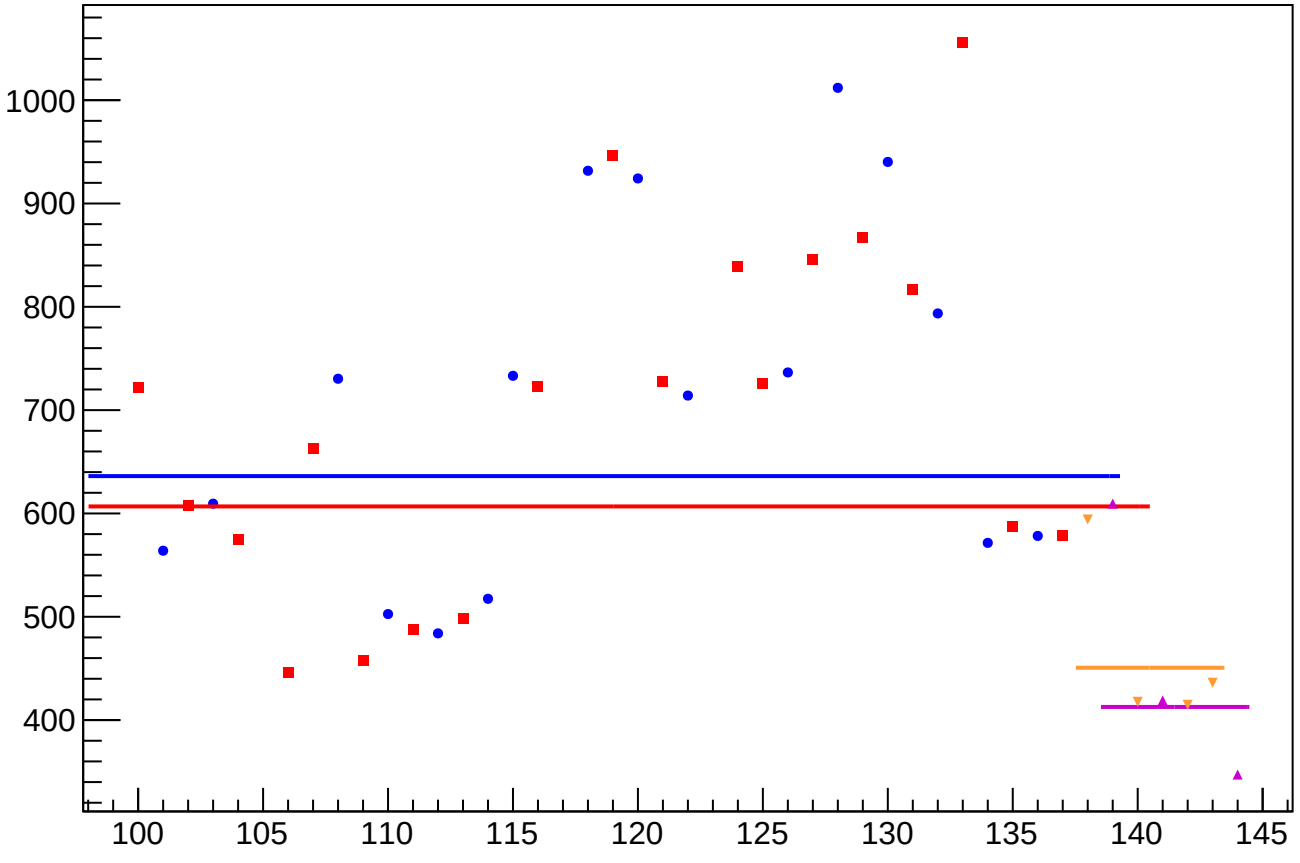
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -19.344+/-178.516 χ^2/NDF:26.8/18

Out: -132.351+/-174.735 χ^2/NDF:29.5/22

All: -77.057+/-124.872 χ^2/NDF: 56.5/41

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 450.674+/-0.190 χ^2/NDF:108406.3/3

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 412.724+/-0.185 χ^2/NDF:237883.4/2

Left: 431.191+/-0.133 χ^2/NDF: 366690.2/6

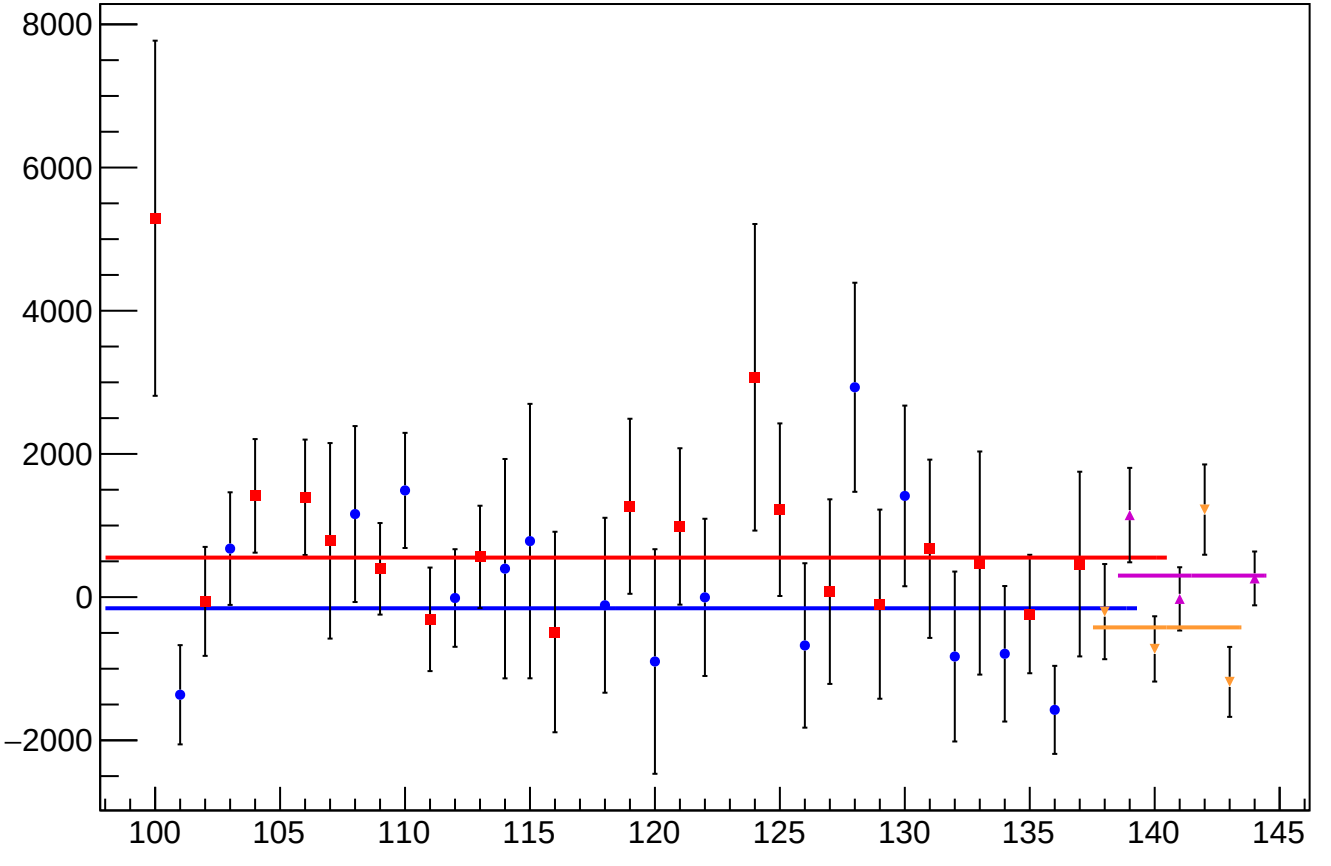
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 532.513+/-0.126 χ^2/NDF:1722199.0/18

Out: 541.039+/-0.124 χ^2/NDF:1391559.4/22

All: 536.868+/-0.088 χ^2/NDF: 3116088.1/41

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -422.660+/-269.441 χ^2/NDF:9.8/3

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 300.651+/-262.653 χ^2/NDF:2.2/2

Left: -51.778+/-188.078 χ^2/NDF: 15.7/6

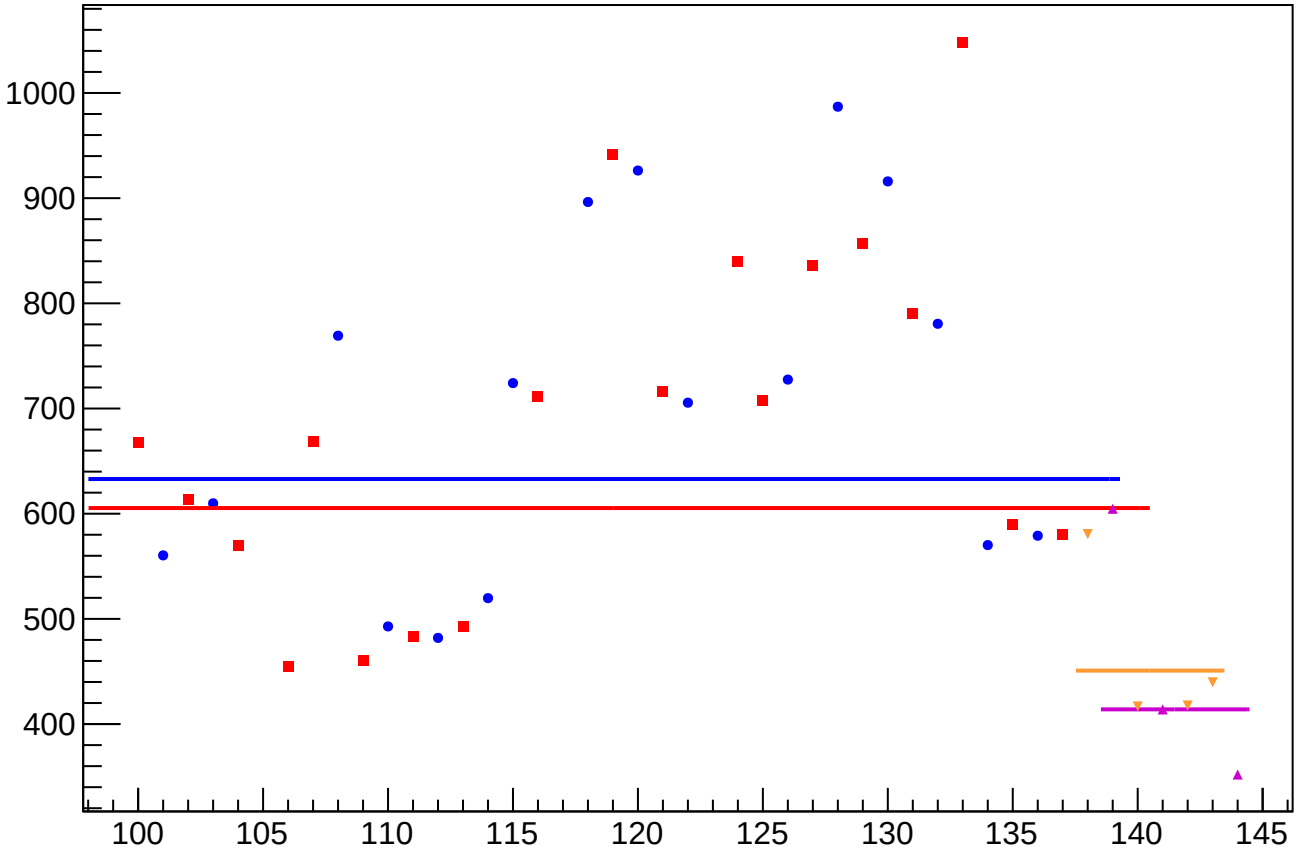
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 54.414+/-178.210 χ^2/NDF:26.3/18

Out: 143.563+/-174.444 χ^2/NDF:29.5/22

All: 99.940+/-124.661 χ^2/NDF: 55.9/41

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 450.834+/-0.191 χ^2/NDF:94032.9/3

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 413.979+/-0.186 χ^2/NDF:221599.4/2

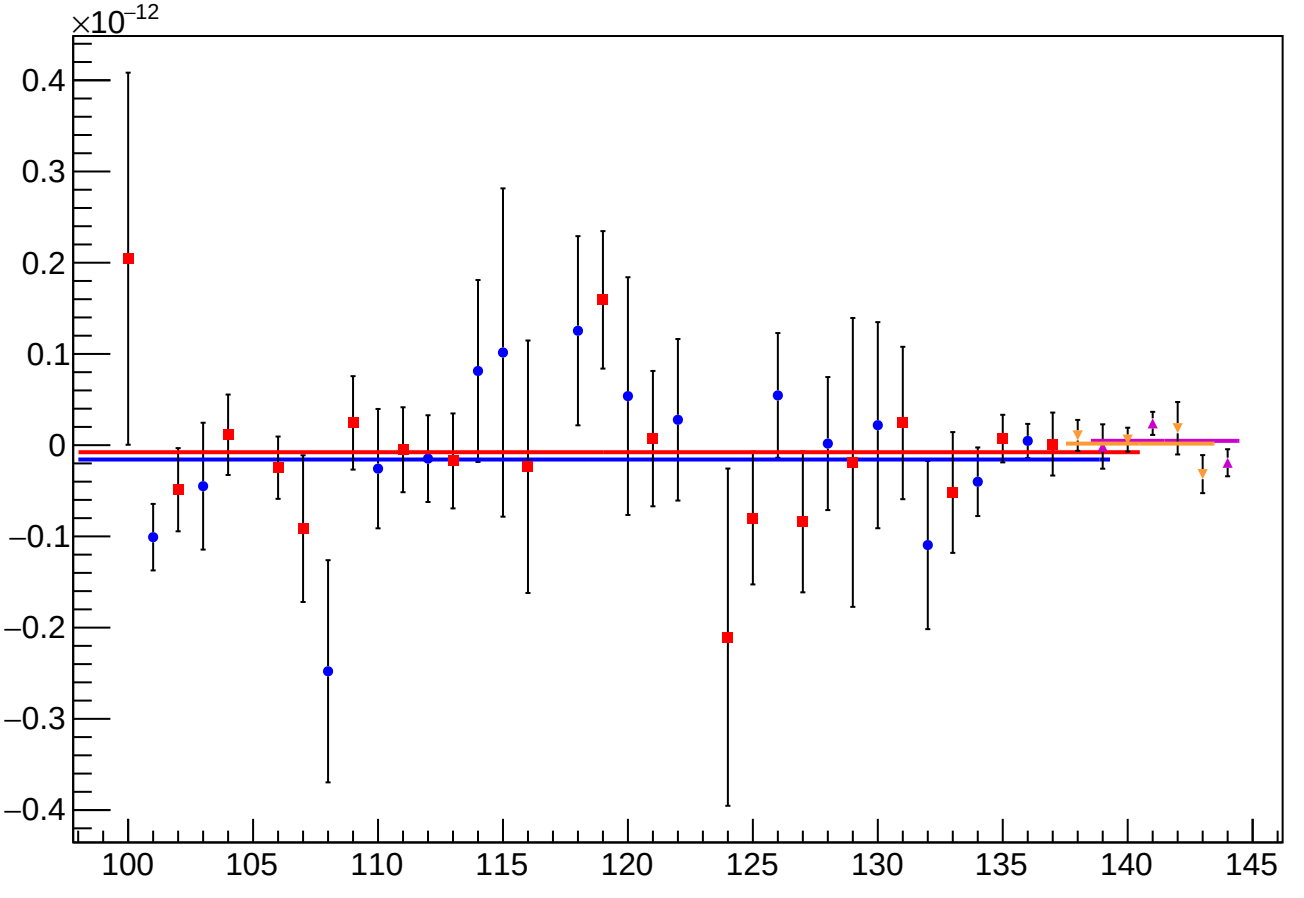
Left: 431.936+/-0.133 χ^2/NDF: 334819.3/6

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 532.152+/-0.126 χ^2/NDF:1652988.5/18

Out: 540.596+/-0.123 χ^2/NDF:1330179.1/22

All: 536.464+/-0.088 χ^2/NDF: 2985460.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/2

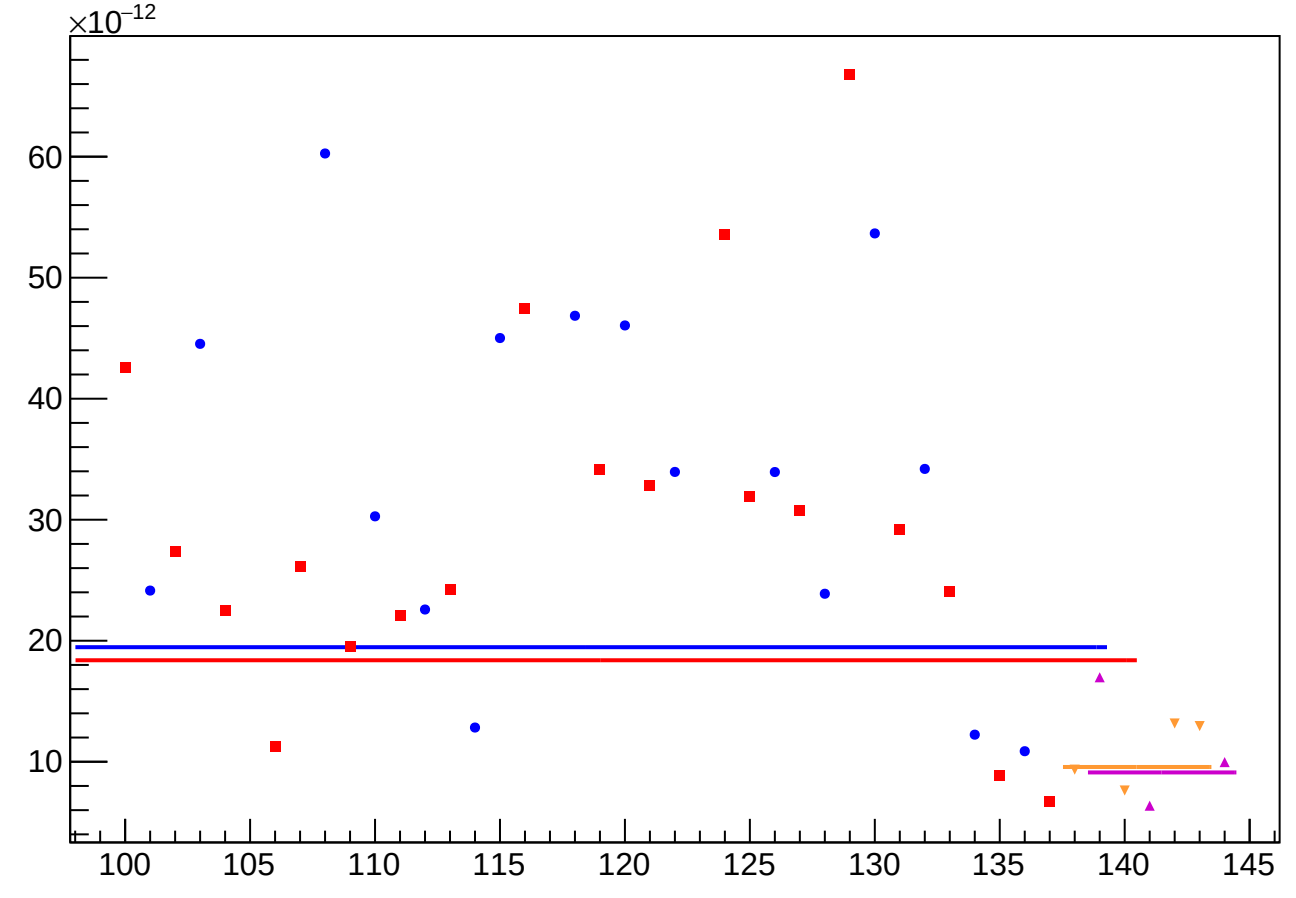
Left: 0.000+/-0.000 χ^2/NDF: 8.3/6

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:23.6/18

Out: -0.000+/-0.000 χ^2/NDF:16.7/22

All: -0.000+/-0.000 χ^2/NDF: 40.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:128247.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:309833.4/2

Left: 0.000+/-0.000 χ^2/NDF: 440647.0/6

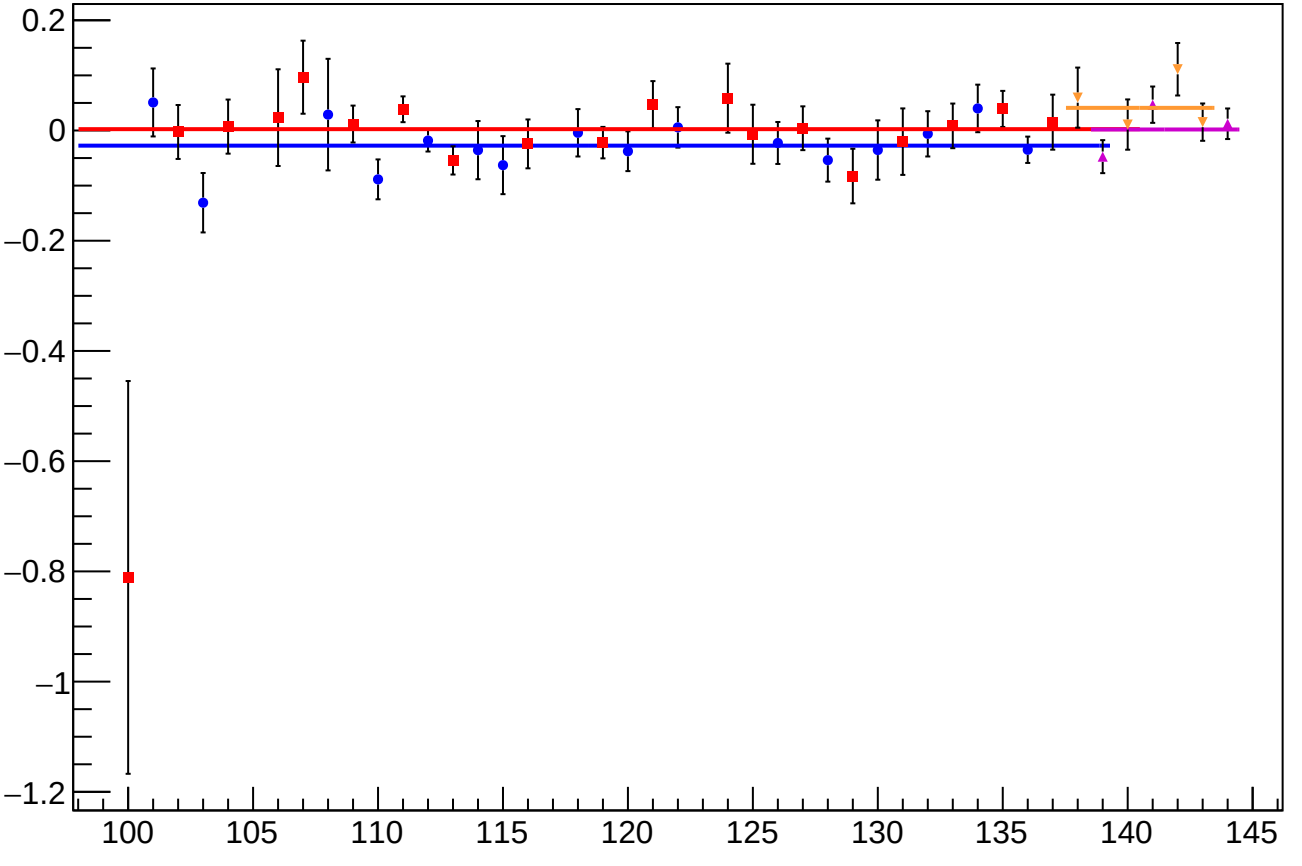
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:2941408.3/18

Out: 0.000+/-0.000 χ^2/NDF:2261810.6/22

All: 0.000+/-0.000 χ^2/NDF: 5203232.0/41

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.017 χ^2/NDF:4.7/2

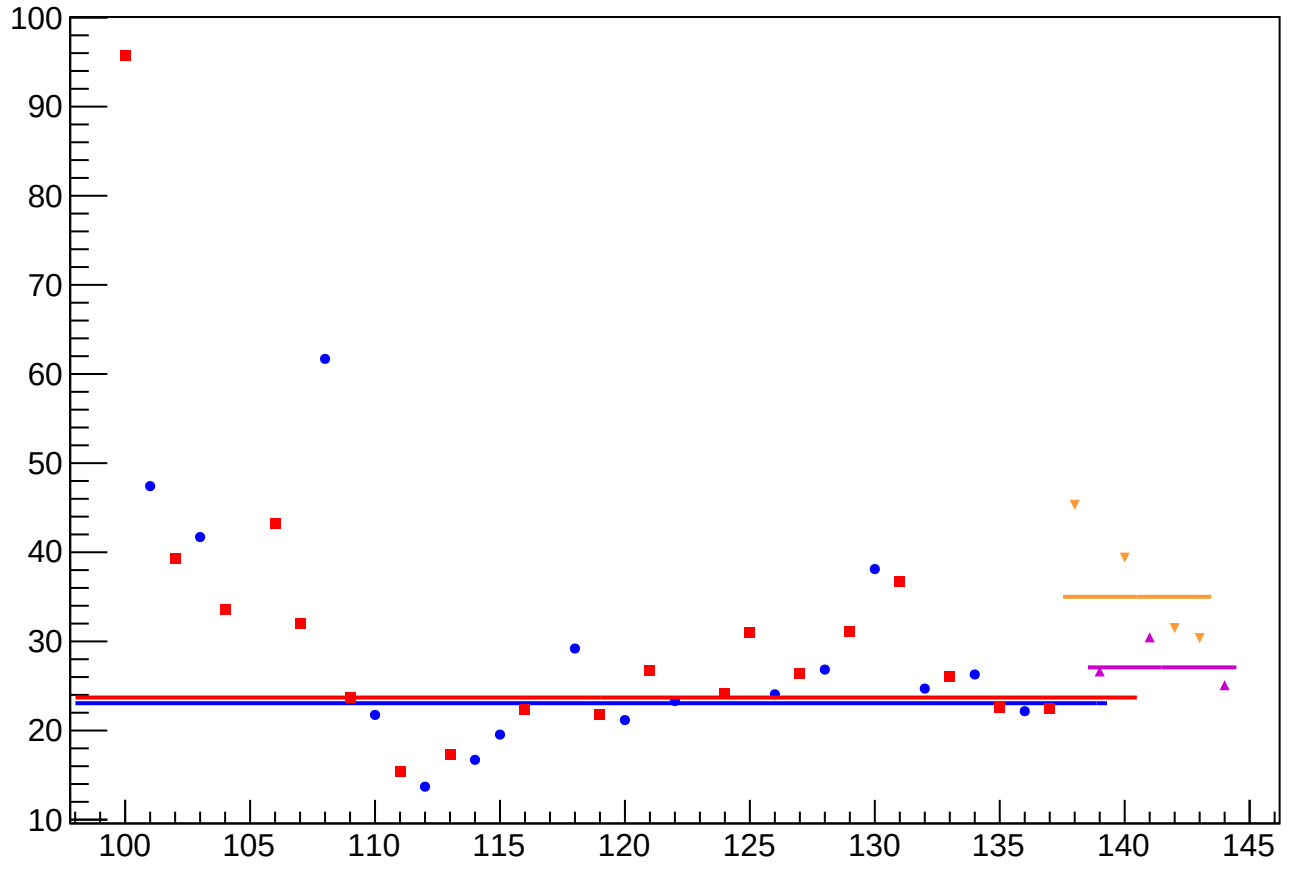
Left: 0.017+/-0.014 χ^2/NDF: 10.0/6

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/18

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.007+/-0.006 χ^2/NDF: 54.7/41



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 35.002+/-0.015 χ^2/NDF:138593.5/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.088+/-0.012 χ^2/NDF:31751.4/2

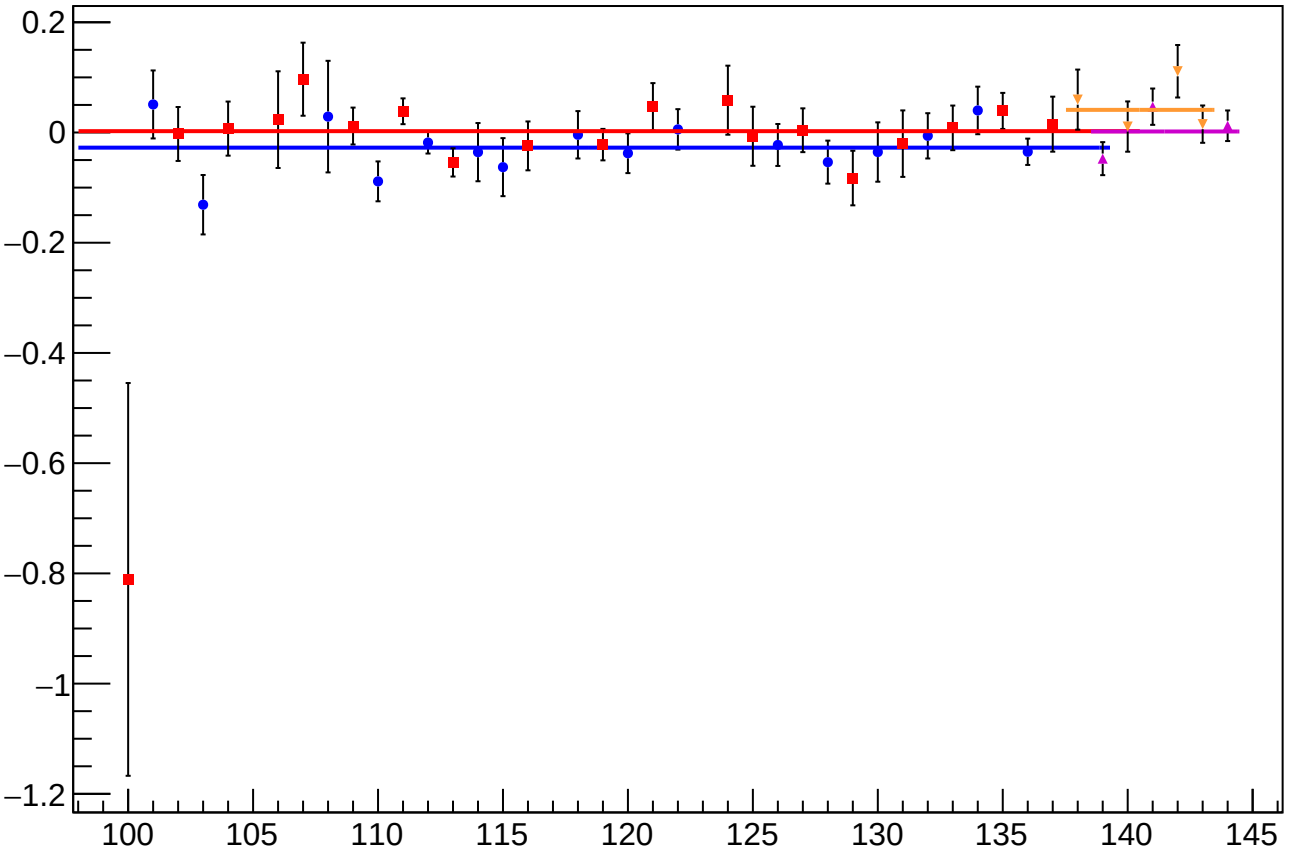
Left: 30.172+/-0.010 χ^2/NDF: 333222.9/6

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.980+/-0.006 χ^2/NDF:1679595.5/18

Out: 25.458+/-0.006 χ^2/NDF:1686614.5/22

All: 24.694+/-0.004 χ^2/NDF: 3397154.1/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.017 χ^2/NDF:4.7/2

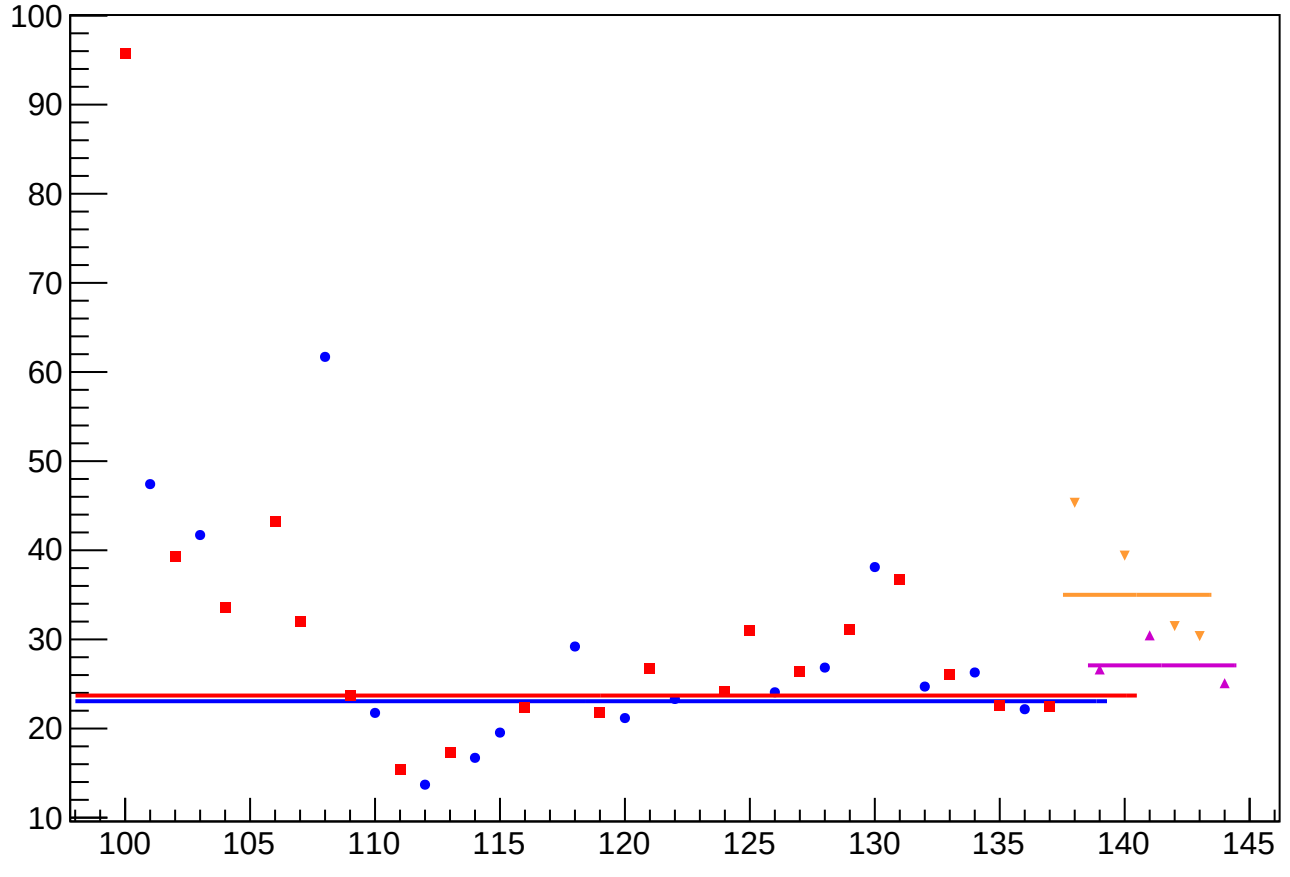
Left: 0.017+/-0.014 χ^2/NDF: 10.0/6

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/18

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.007+/-0.006 χ^2/NDF: 54.7/41



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 35.002+/-0.015 χ^2/NDF:138593.5/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.088+/-0.012 χ^2/NDF:31751.4/2

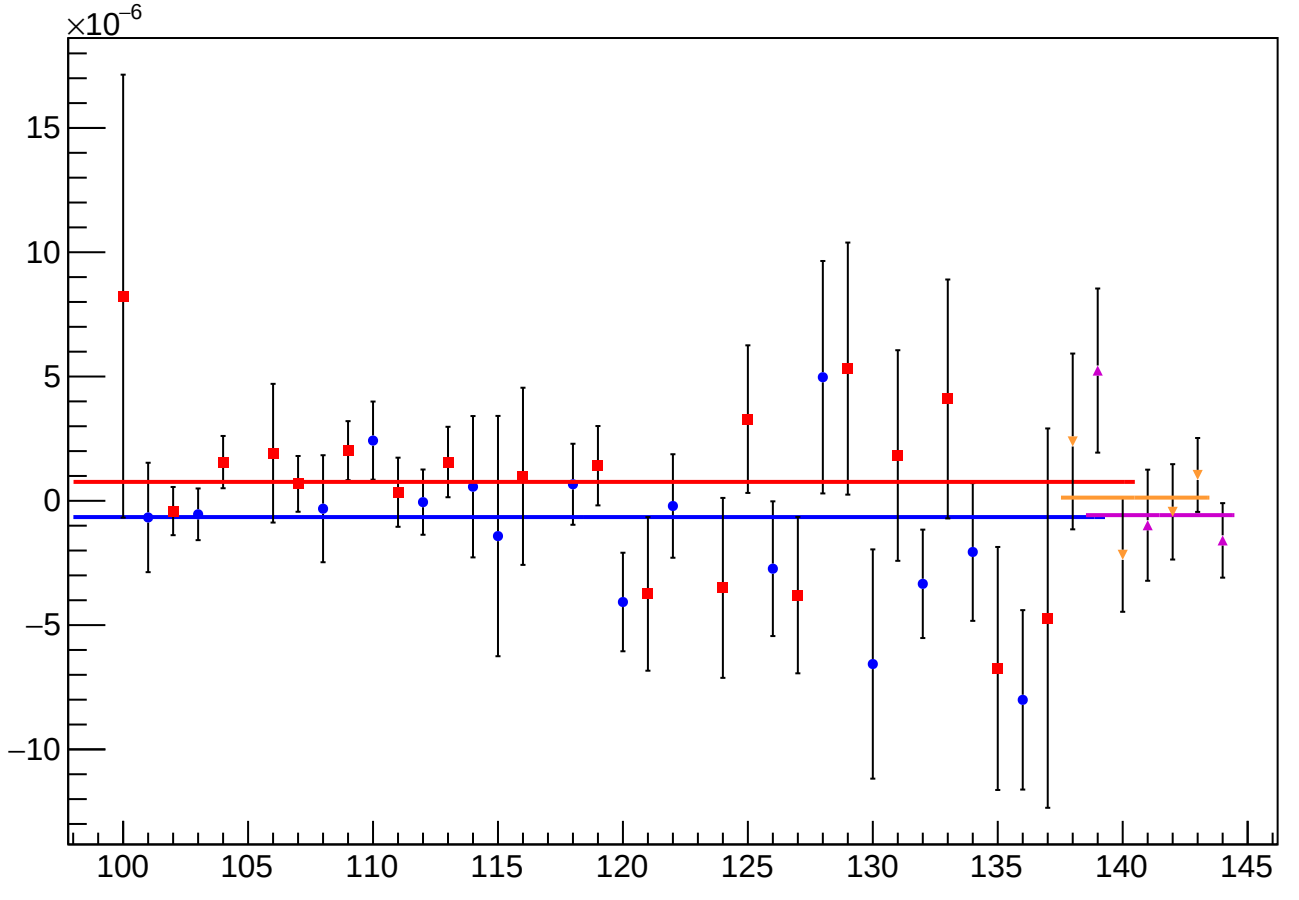
Left: 30.172+/-0.010 χ^2/NDF: 333222.9/6

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.980+/-0.006 χ^2/NDF:1679595.5/18

Out: 25.458+/-0.006 χ^2/NDF:1686614.5/22

All: 24.694+/-0.004 χ^2/NDF: 3397154.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/2

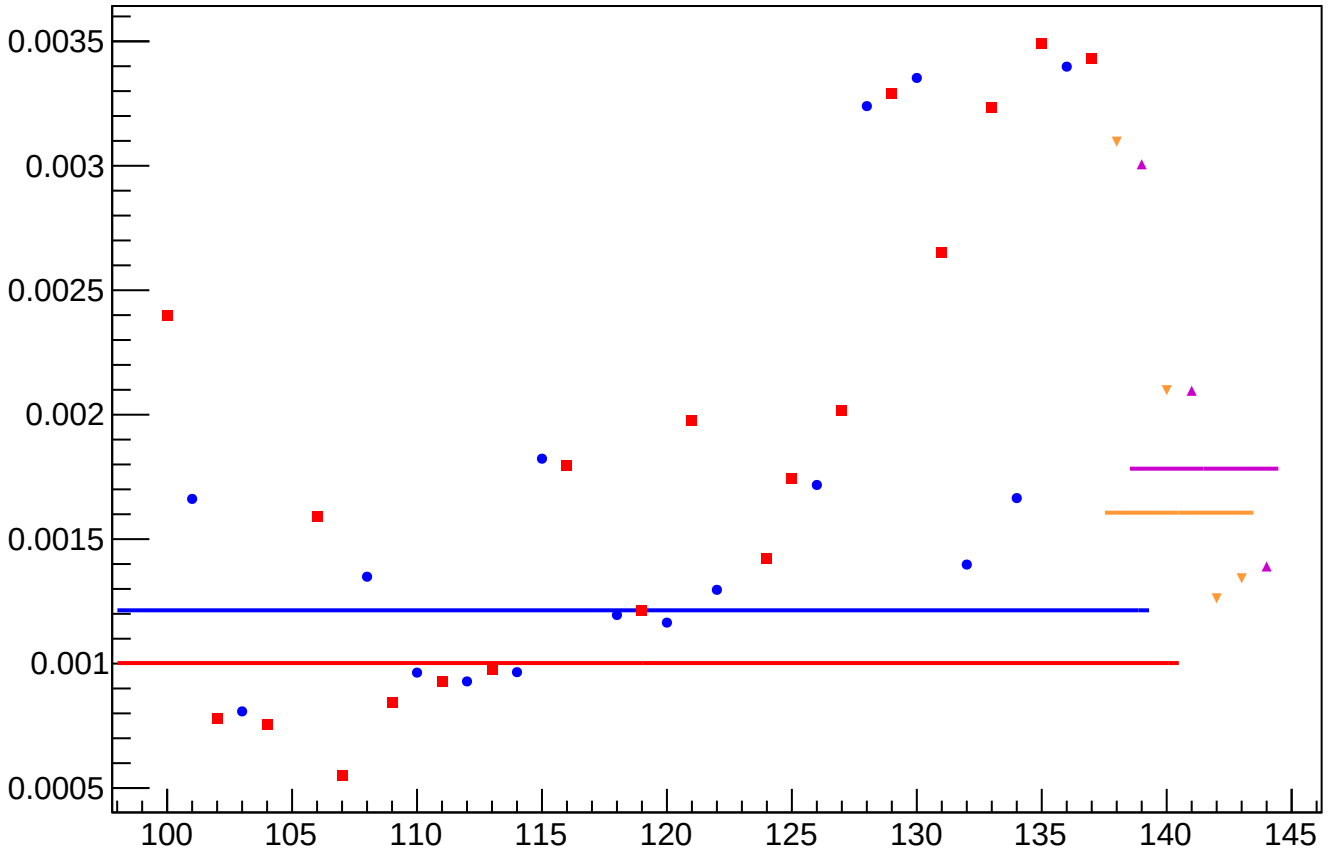
Left: -0.000+/-0.000 χ^2/NDF: 5.7/6

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:21.2/18

Out: 0.000+/-0.000 χ^2/NDF:17.4/22

All: 0.000+/-0.000 χ^2/NDF: 43.3/41



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:574805.8/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.002+/-0.000 χ^2/NDF:451022.2/2

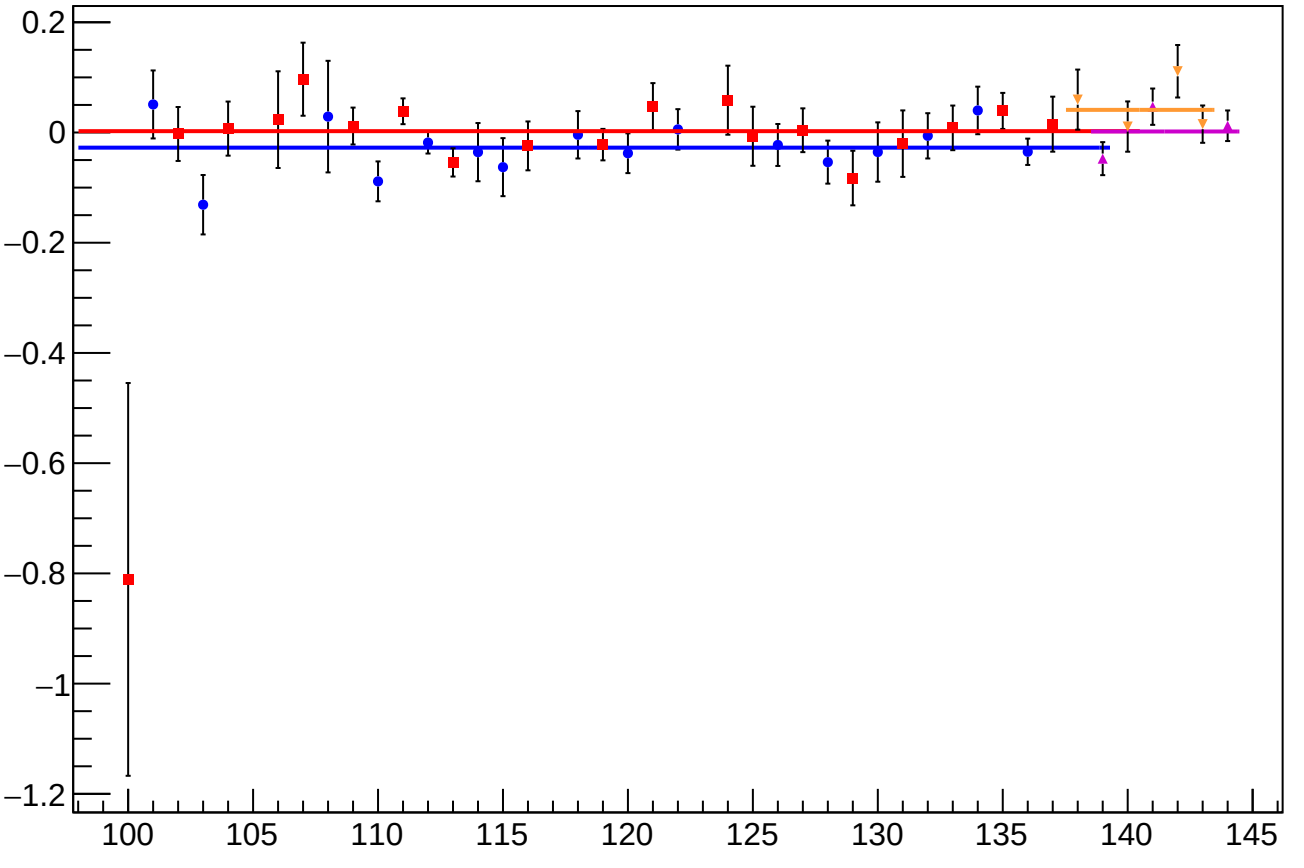
Left: 0.002+/-0.000 χ^2/NDF: 1052293.8/6

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:3121571.1/18

Out: 0.001+/-0.000 χ^2/NDF:4469833.2/22

All: 0.001+/-0.000 χ^2/NDF: 7837319.4/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.017 χ^2/NDF:4.7/2

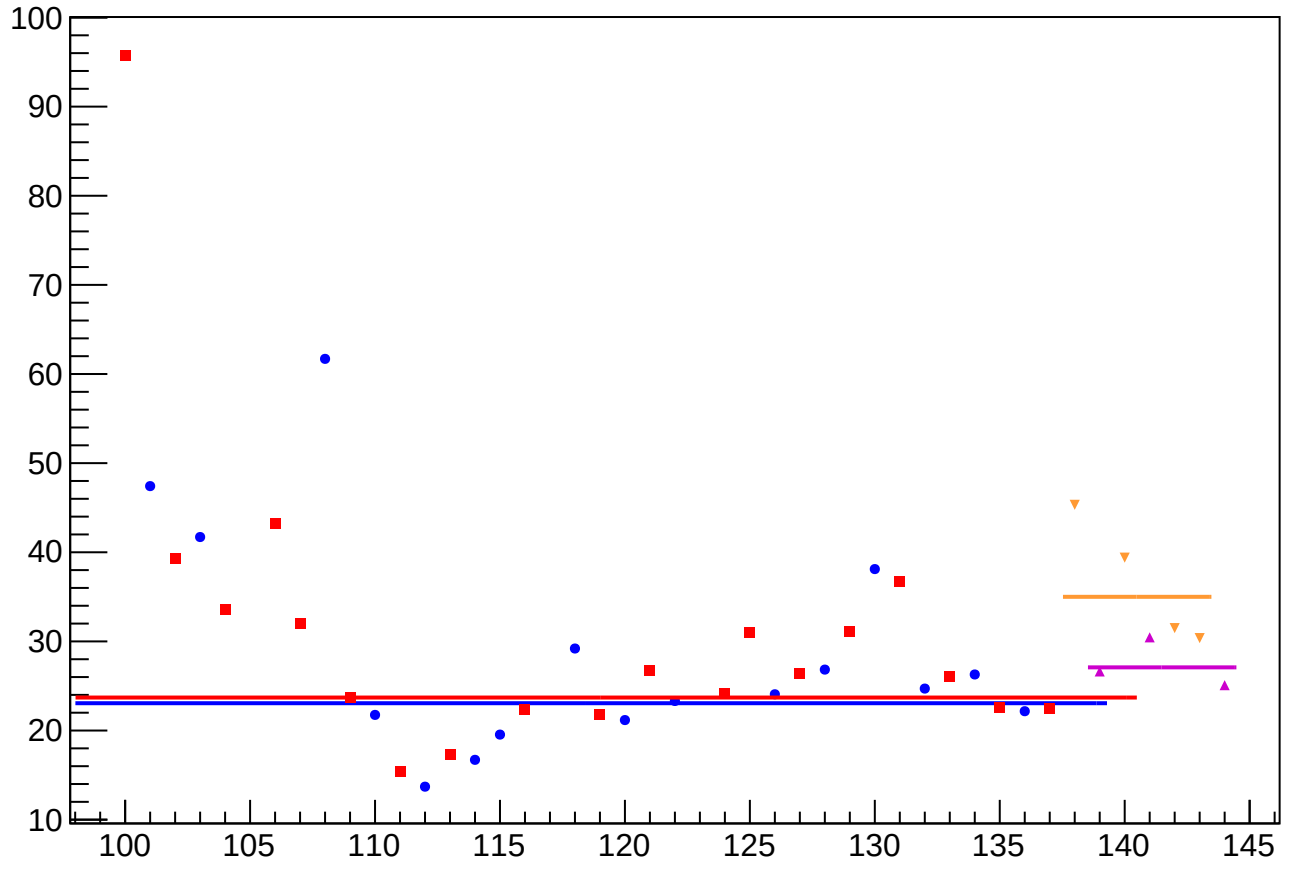
Left: 0.017+/-0.014 χ^2/NDF: 10.0/6

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/18

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.007+/-0.006 χ^2/NDF: 54.7/41



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 35.003+/-0.015 χ^2/NDF:138572.4/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.087+/-0.012 χ^2/NDF:31748.6/2

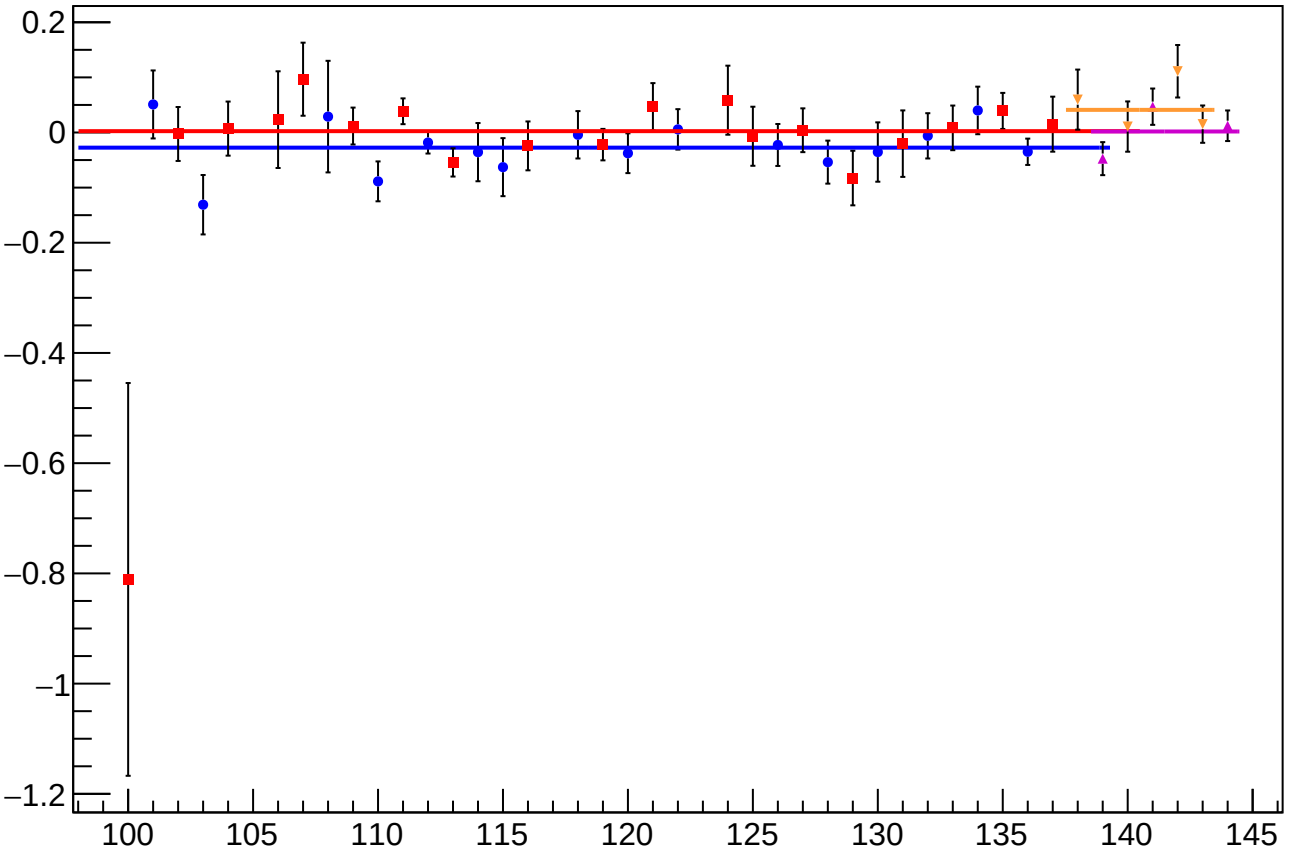
Left: 30.172+/-0.010 χ^2/NDF: 333210.2/6

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.980+/-0.006 χ^2/NDF:1679611.5/18

Out: 25.458+/-0.006 χ^2/NDF:1686662.3/22

All: 24.694+/-0.004 χ^2/NDF: 3397217.1/41



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.017 χ^2/NDF:4.7/2

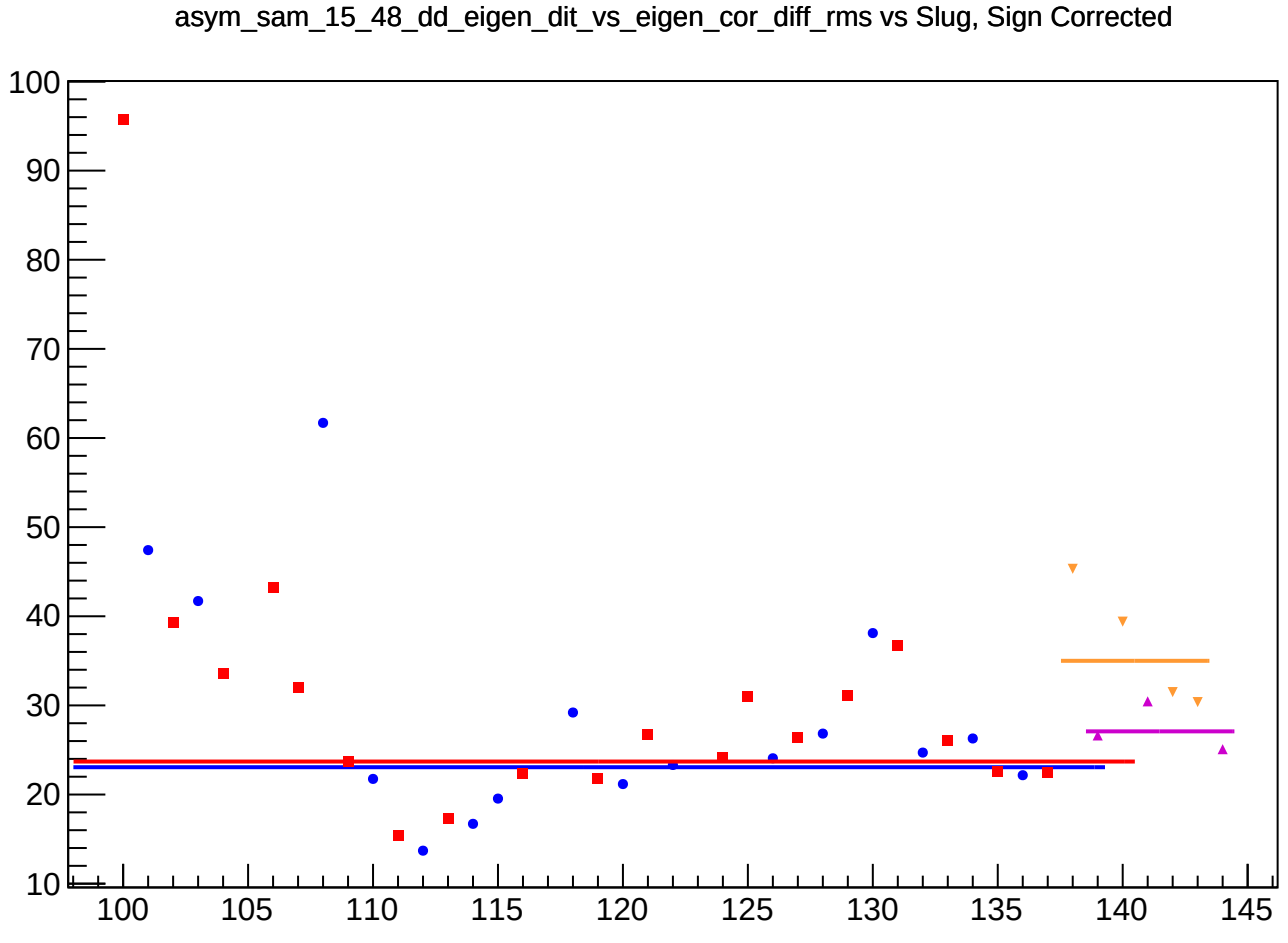
Left: 0.017+/-0.014 χ^2/NDF: 10.0/6

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/18

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.007+/-0.006 χ^2/NDF: 54.7/41



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 35.003+/-0.015 χ^2/NDF:138572.4/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.087+/-0.012 χ^2/NDF:31748.6/2

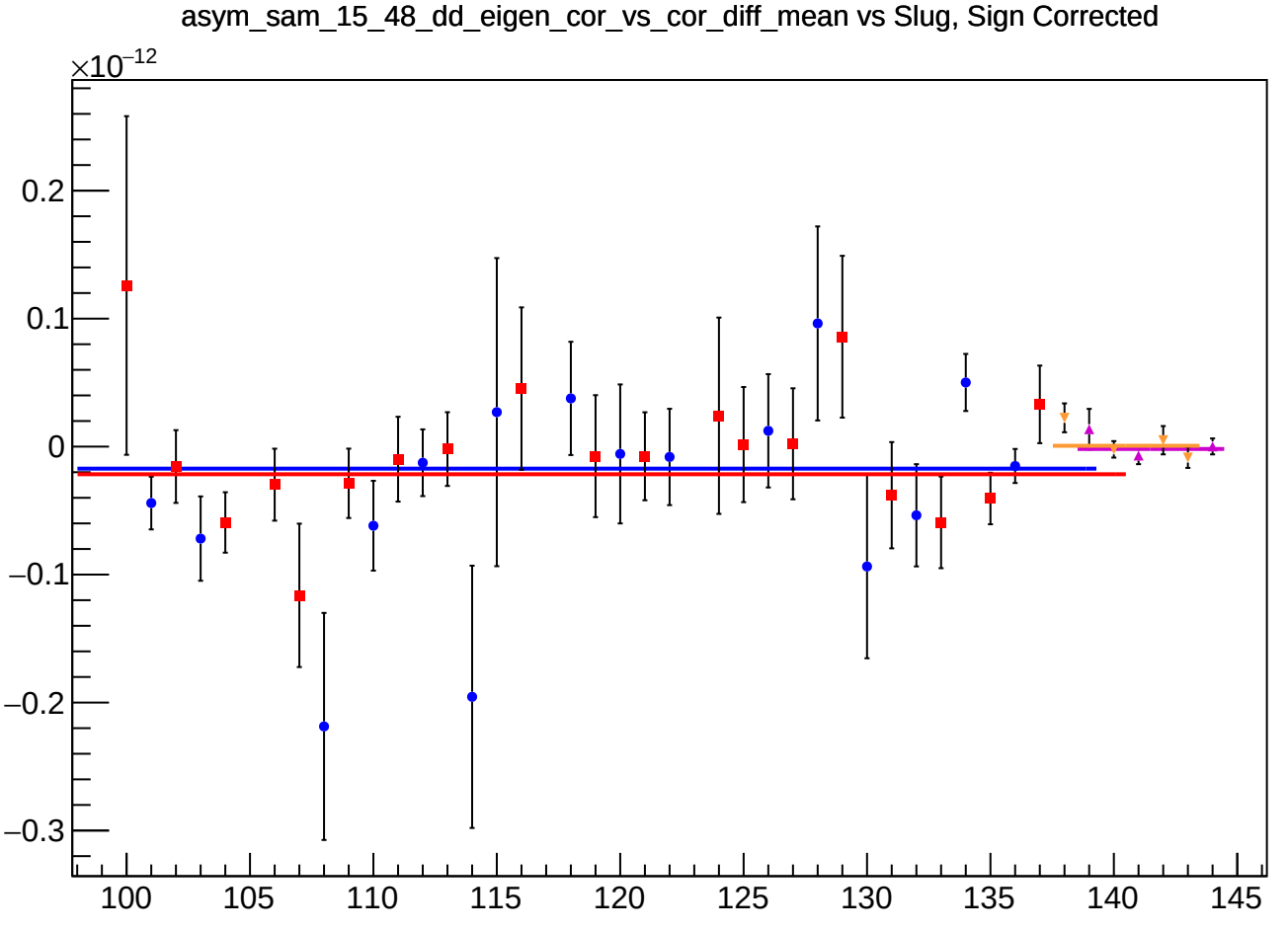
Left: 30.172+/-0.010 χ^2/NDF: 333210.2/6

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.980+/-0.006 χ^2/NDF:1679611.5/18

Out: 25.458+/-0.006 χ^2/NDF:1686662.3/22

All: 24.694+/-0.004 χ^2/NDF: 3397217.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/2

Left: -0.000+/-0.000 χ^2/NDF: 7.2/6

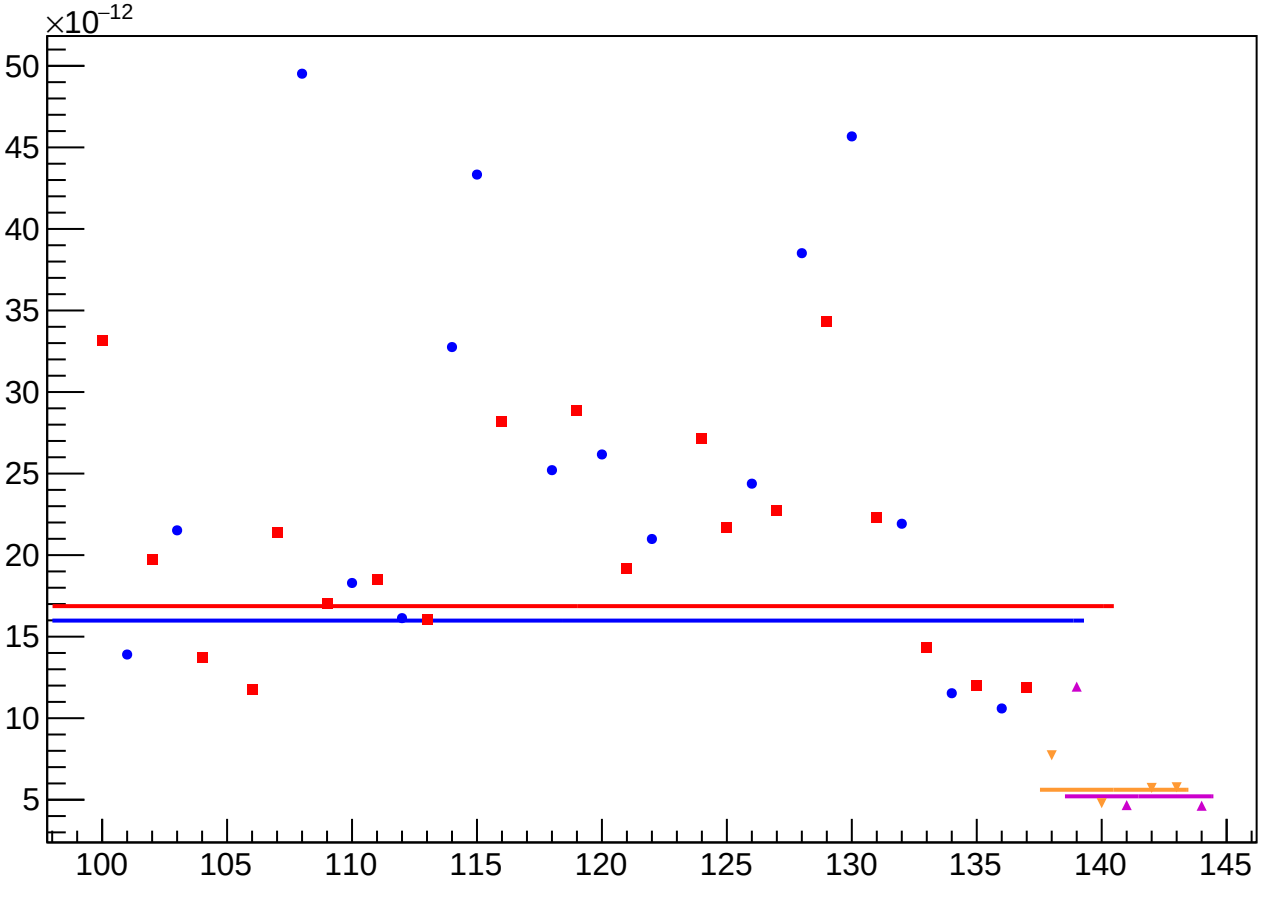
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:34.5/18

Out: -0.000+/-0.000 χ^2/NDF:29.5/22

All: -0.000+/-0.000 χ^2/NDF: 64.0/41

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:103725.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:388253.2/2

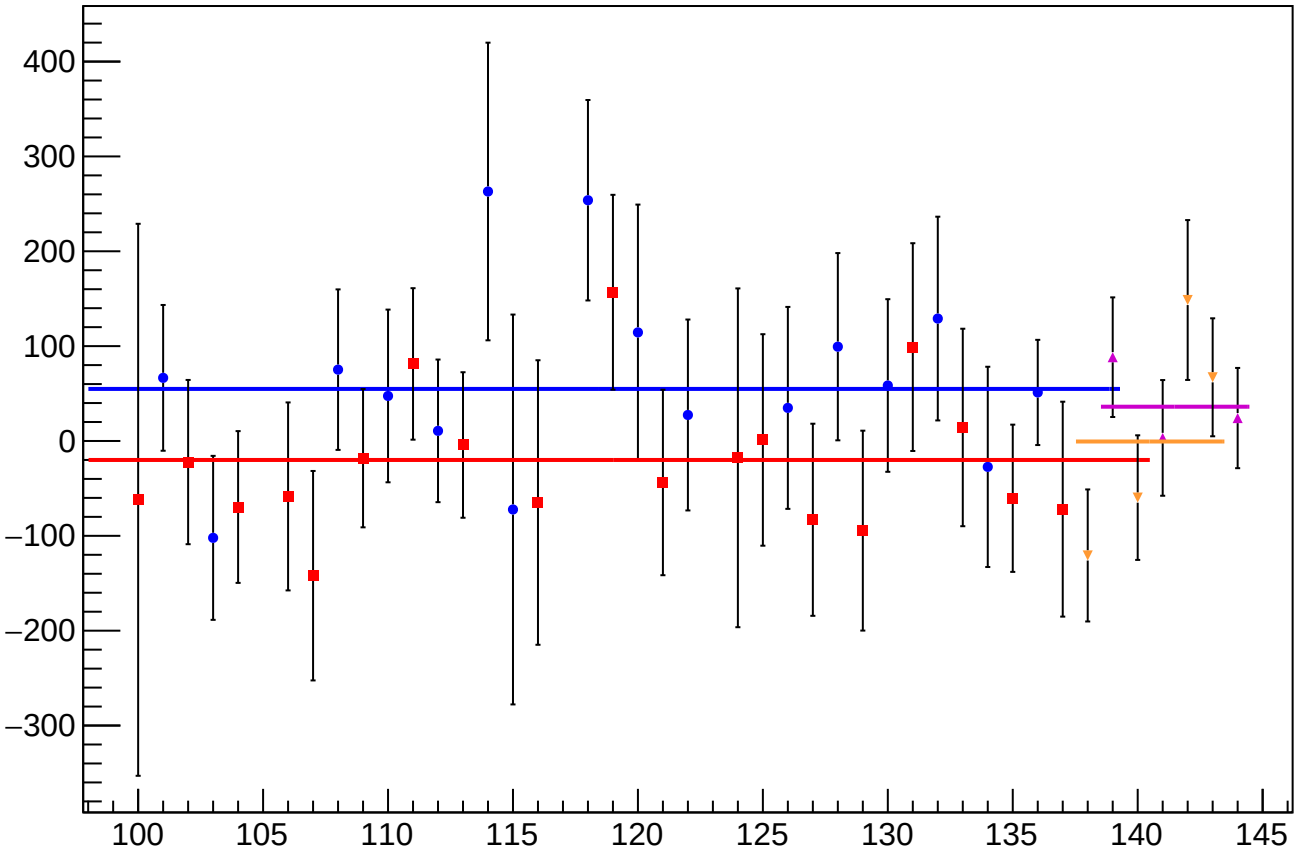
Left: 0.000+/-0.000 χ^2/NDF: 500684.3/6

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5069195.0/18

Out: 0.000+/-0.000 χ^2/NDF:4093805.0/22

All: 0.000+/-0.000 χ^2/NDF: 9170094.6/41



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.551+/-34.554 χ^2/NDF:8.1/3

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 36.130+/-33.741 χ^2/NDF:1.0/2

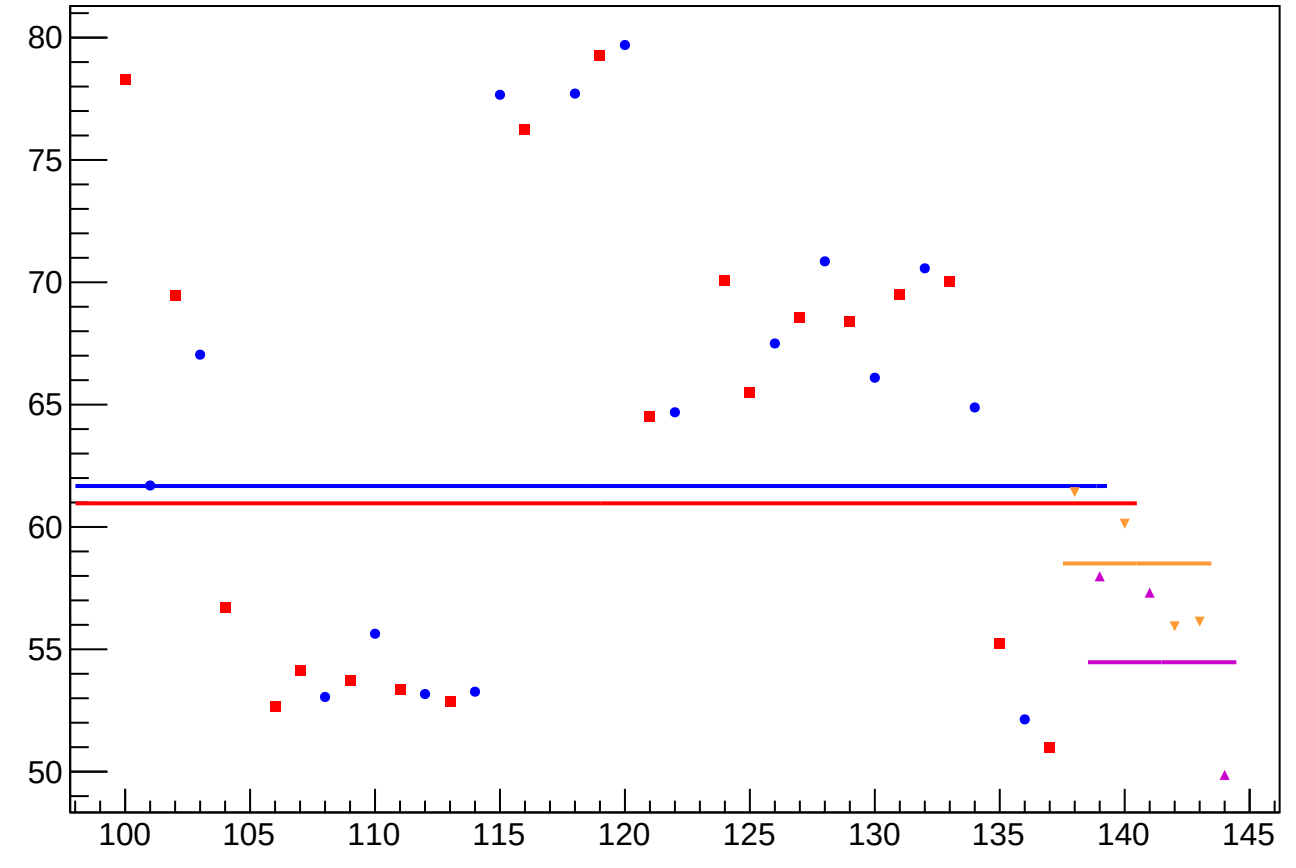
Left: 18.226+/-24.141 χ^2/NDF: 9.7/6

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 48.871+/-19.105 χ^2/NDF:12.3/18

Out: -14.197+/-18.897 χ^2/NDF:17.6/22

All: 16.991+/-13.435 χ^2/NDF: 35.3/41



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.471+/-0.024 χ^2/NDF:25738.7/2

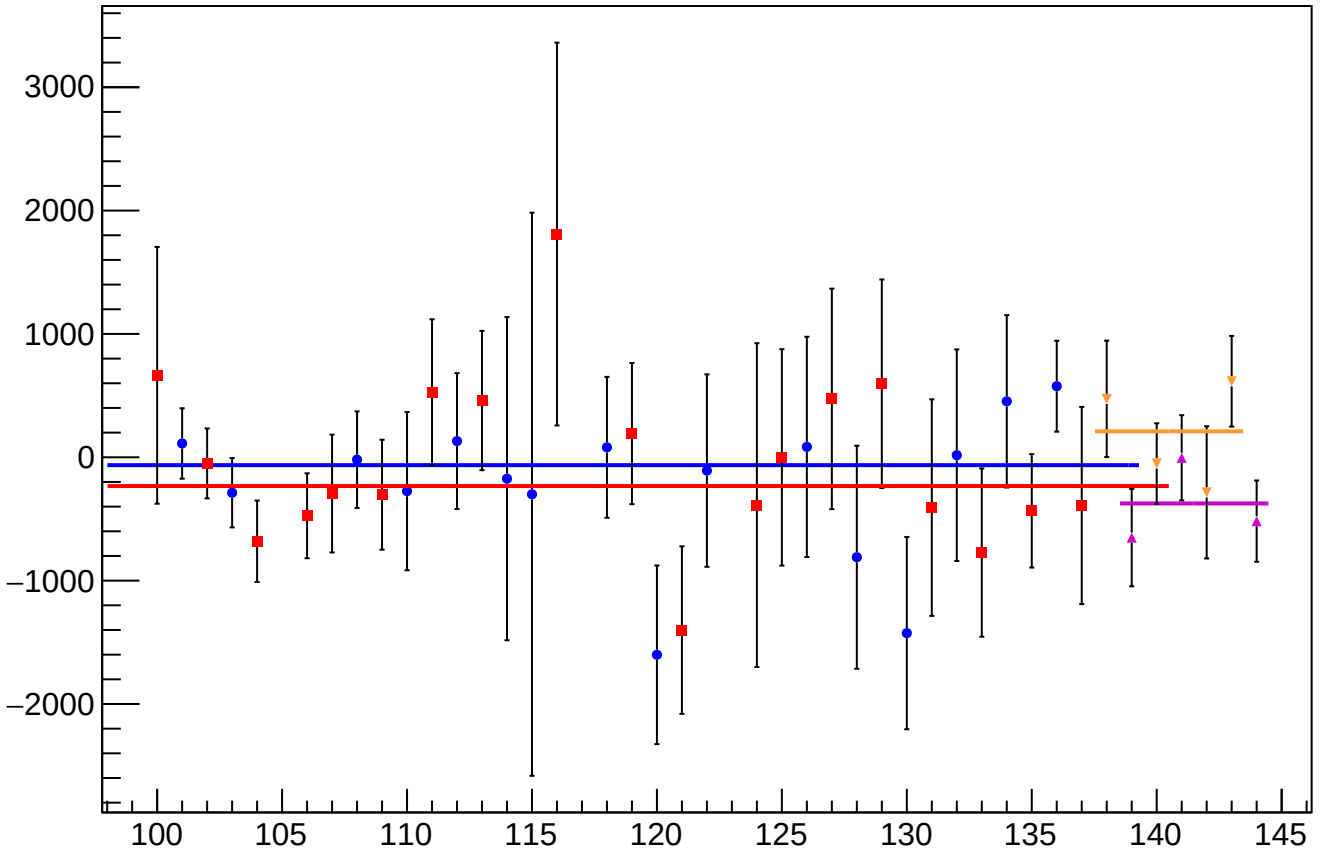
Left: 56.442+/-0.017 χ^2/NDF: 49228.7/6

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 59.364+/-0.014 χ^2/NDF:354749.4/18

Out: 60.231+/-0.013 χ^2/NDF:300793.1/22

All: 59.802+/-0.010 χ^2/NDF: 657626.4/41



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 210.733+/-200.939 χ^2/NDF:3.0/3

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -374.304+/-204.136 χ^2/NDF:1.8/2

Left: -77.168+/-143.202 χ^2/NDF: 9.0/6

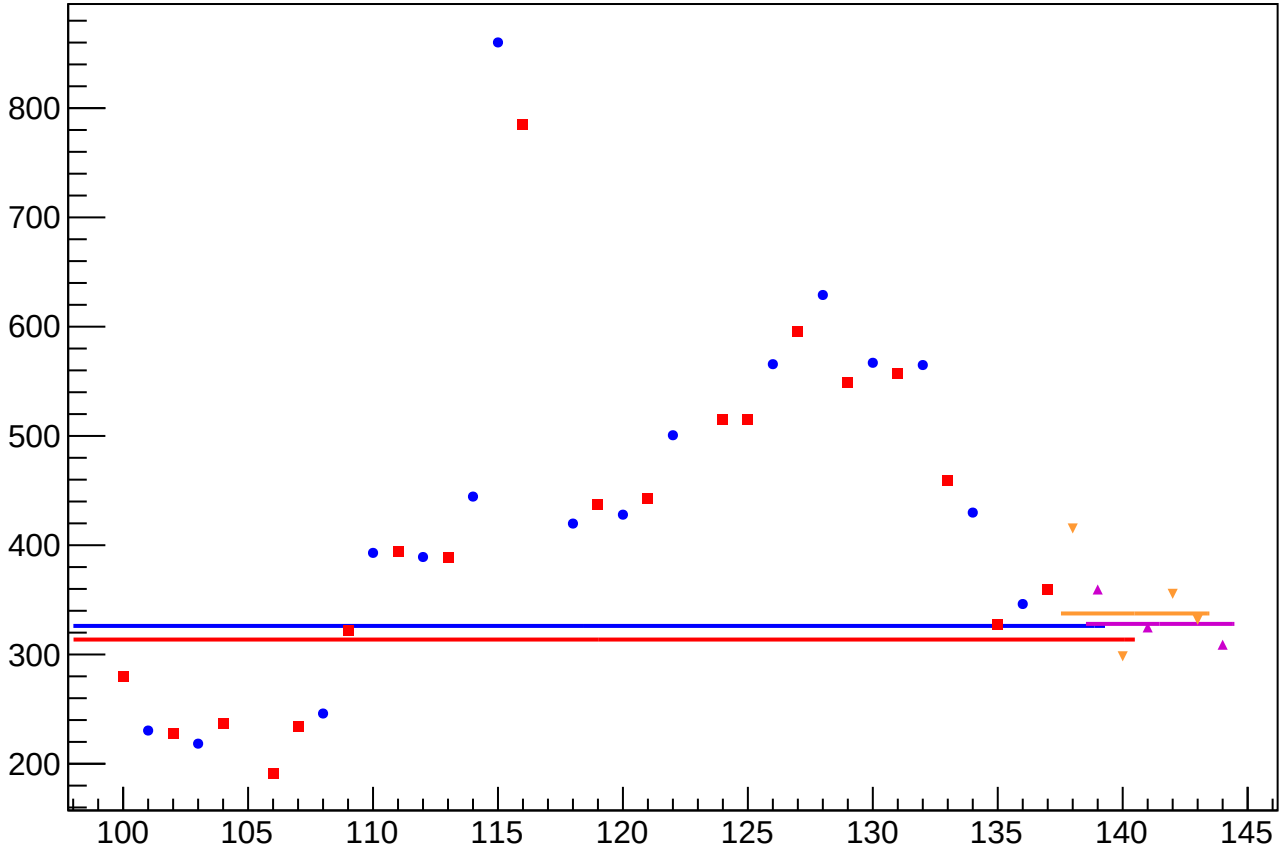
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -153.097+/-109.457 χ^2/NDF:16.7/18

Out: -112.502+/-104.777 χ^2/NDF:21.1/22

All: -131.913+/-75.689 χ^2/NDF: 37.8/41

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.4/3

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 327.997+/-0.144 χ^2/NDF:19587.4/2

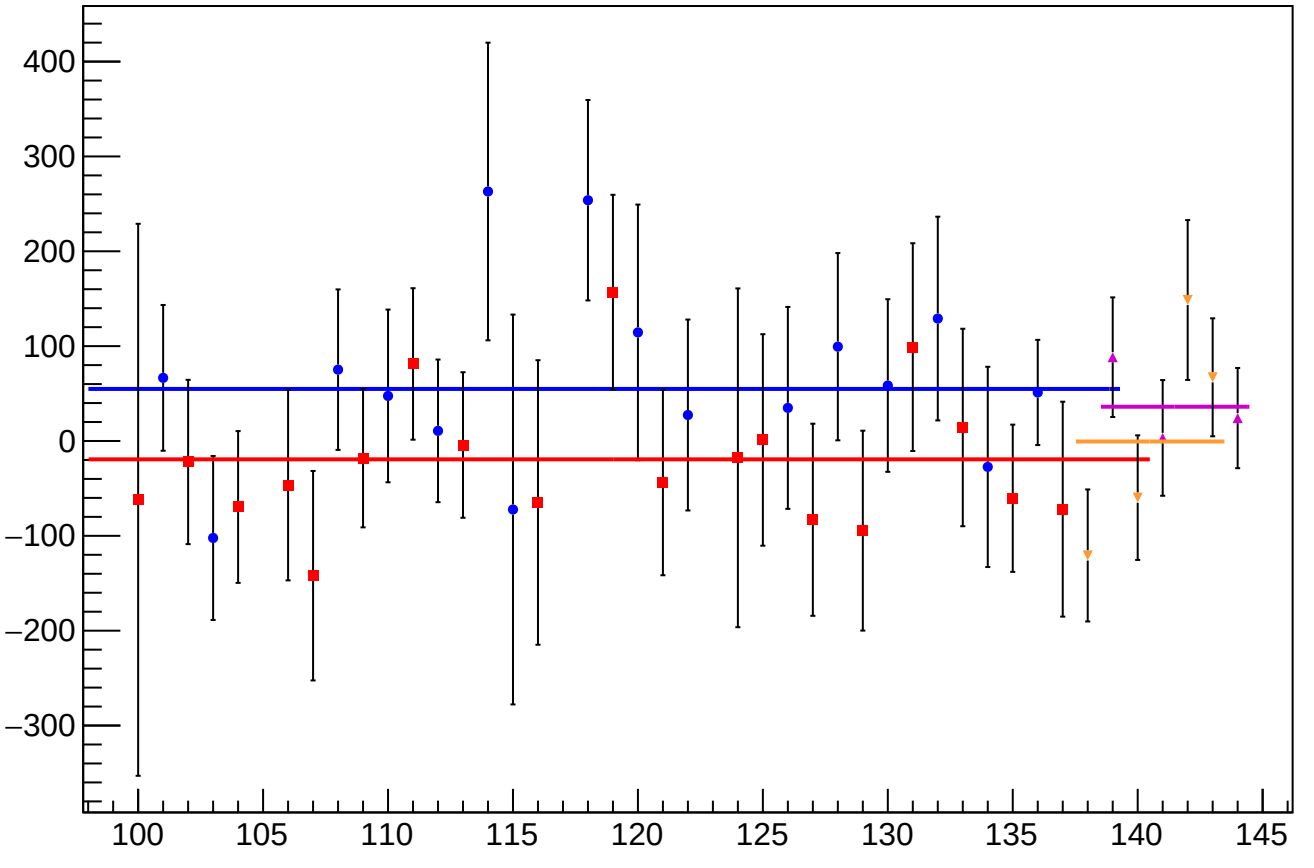
Left: 332.842+/-0.101 χ^2/NDF: 107807.7/6

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 326.679+/-0.077 χ^2/NDF:1753699.9/18

Out: 320.161+/-0.074 χ^2/NDF:1893889.0/22

All: 323.278+/-0.054 χ^2/NDF: 3651290.6/41



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.558+/-34.554 χ^2/NDF:8.1/3

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 36.125+/-33.741 χ^2/NDF:1.0/2

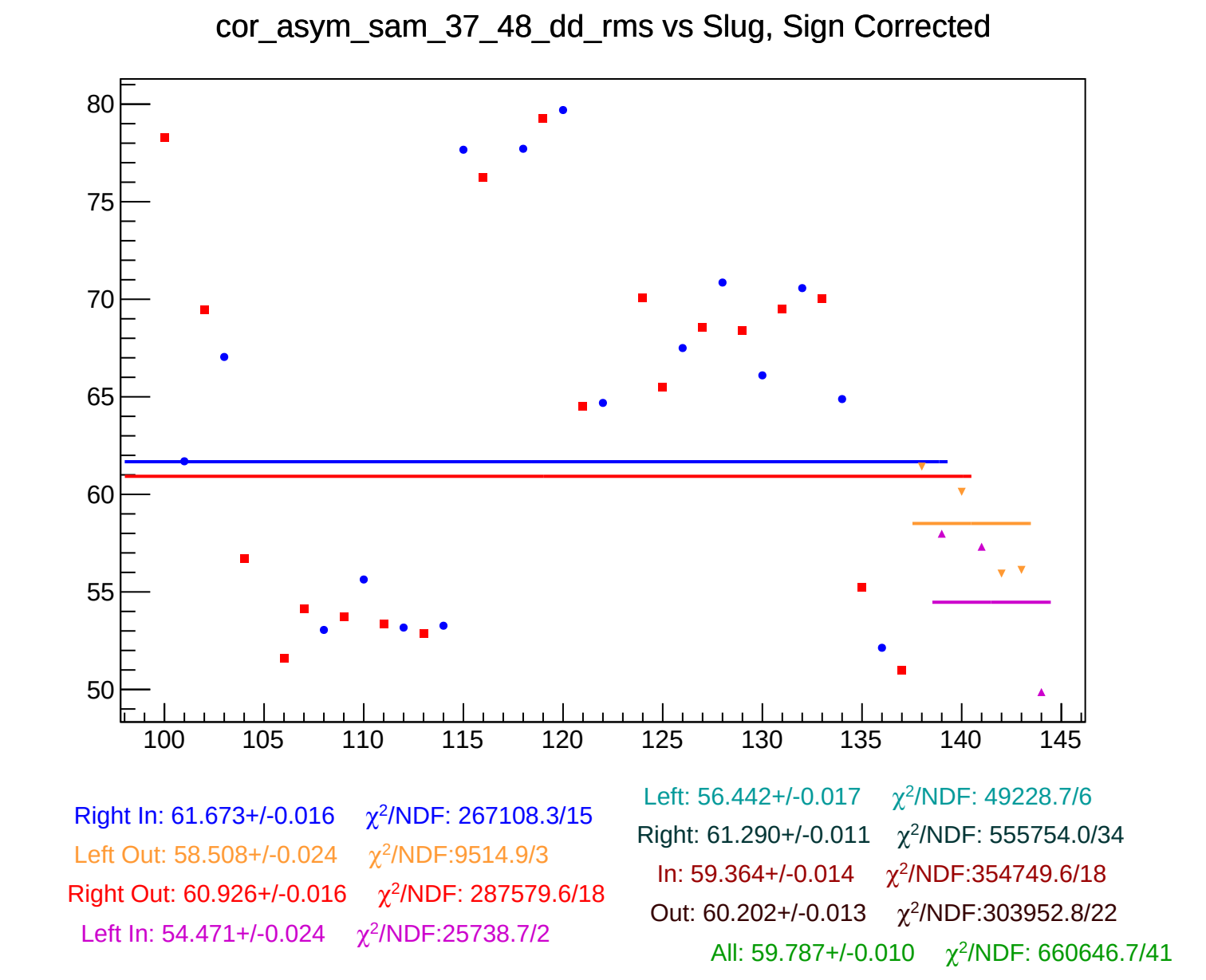
Left: 18.221+/-24.141 χ^2/NDF: 9.7/6

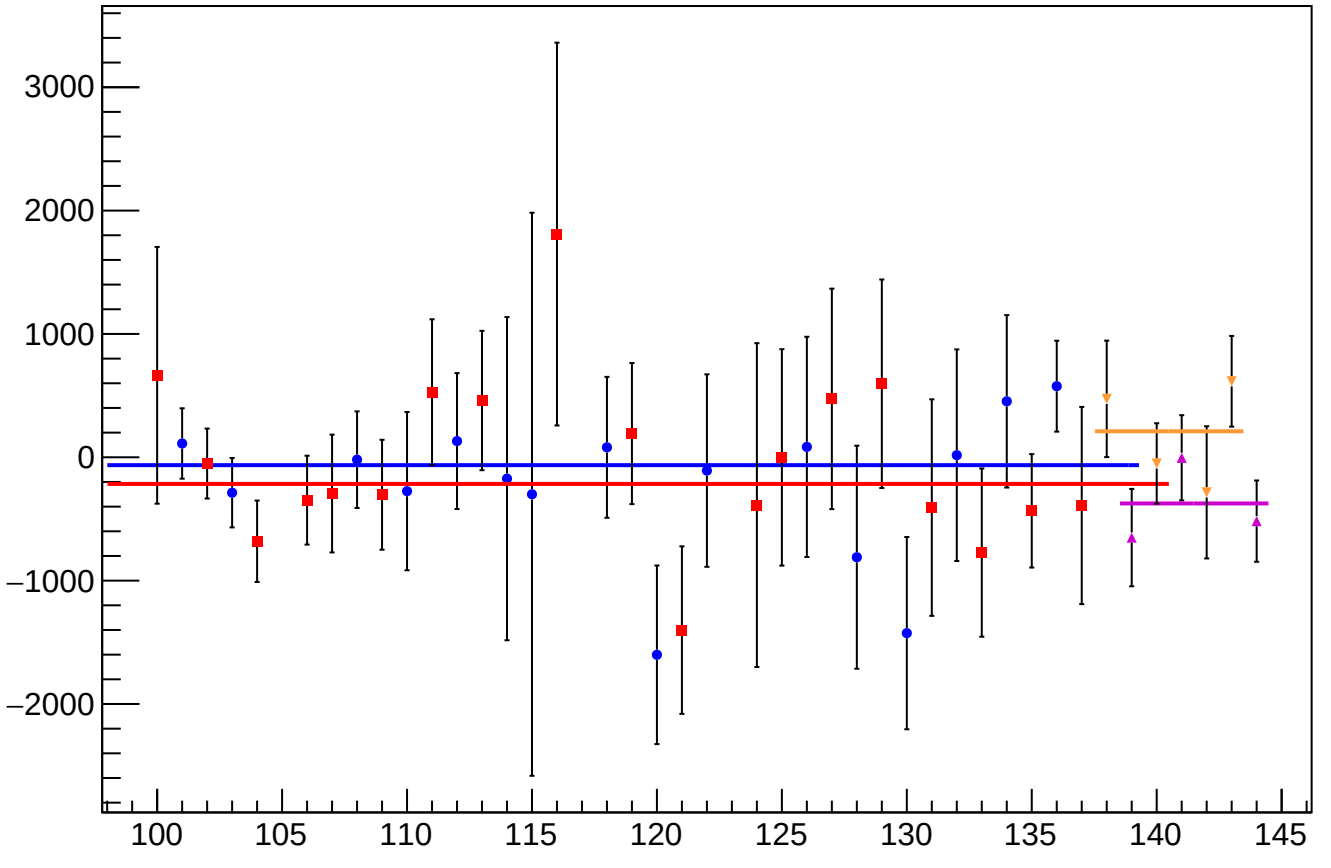
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 48.865+/-19.105 χ^2/NDF:12.3/18

Out: -13.726+/-18.907 χ^2/NDF:17.5/22

All: 17.243+/-13.439 χ^2/NDF: 35.2/41


cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
80
75
70
65
60
55
50
100
105
110
115
120
125
130
135
140
145
Right In: 61.673+/-0.016 χ²/NDF: 267108.3/15
Left Out: 58.508+/-0.024 χ²/NDF:9514.9/3
Right Out: 60.926+/-0.016 χ²/NDF: 287579.6/18
Left In: 54.471+/-0.024 χ²/NDF:25738.7/2
Left: 56.442+/-0.017 χ²/NDF: 49228.7/6
Right: 61.290+/-0.011 χ²/NDF: 555754.0/34
In: 59.364+/-0.014 χ²/NDF:354749.6/18
Out: 60.202+/-0.013 χ²/NDF:303952.8/22
All: 59.787+/-0.010 χ²/NDF: 660646.7/41



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 210.726+/-200.939 χ^2/NDF:3.0/3

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -374.305+/-204.136 χ^2/NDF:1.8/2

Left: -77.172+/-143.202 χ^2/NDF: 9.0/6

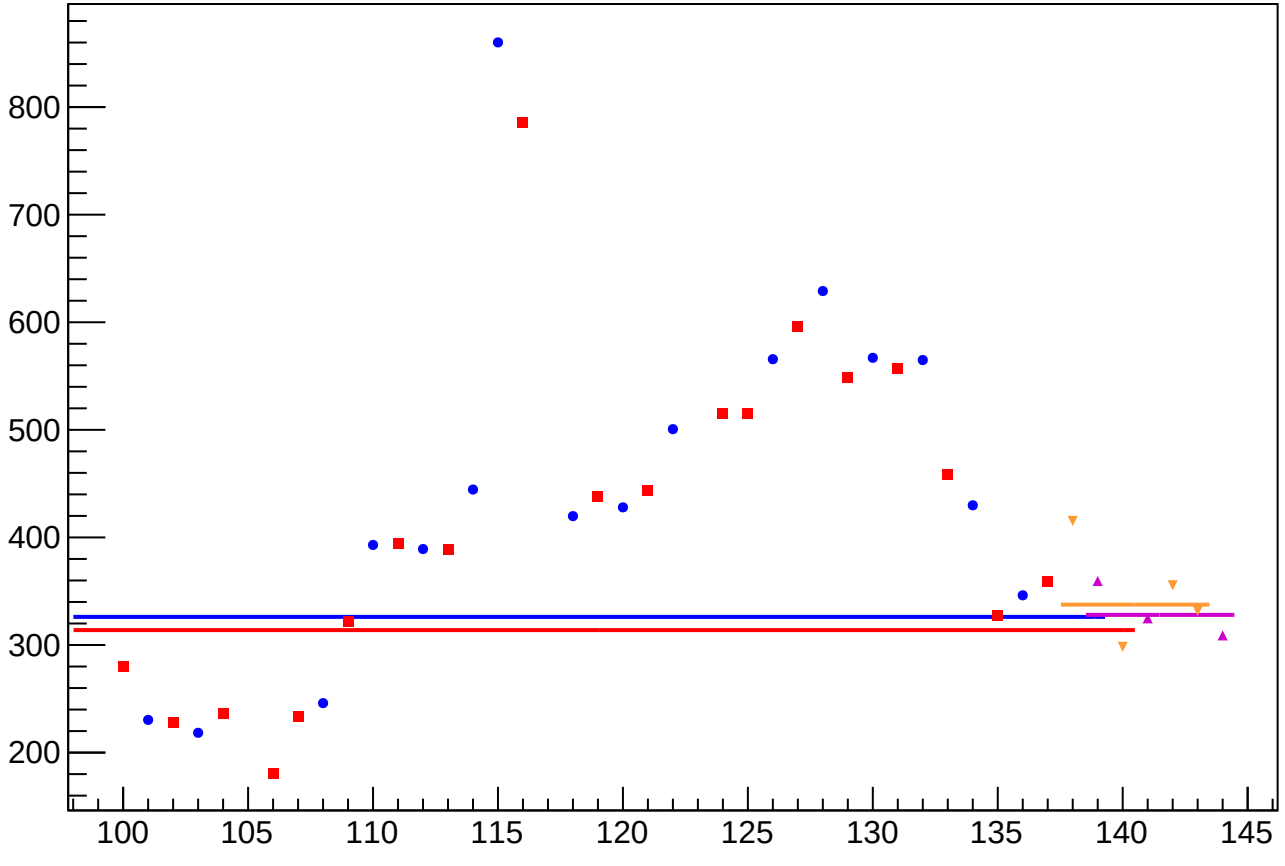
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -153.088+/-109.458 χ^2/NDF:16.7/18

Out: -98.948+/-105.211 χ^2/NDF:20.4/22

All: -124.947+/-75.852 χ^2/NDF: 37.2/41

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 327.997+/-0.144 χ^2/NDF:19586.9/2

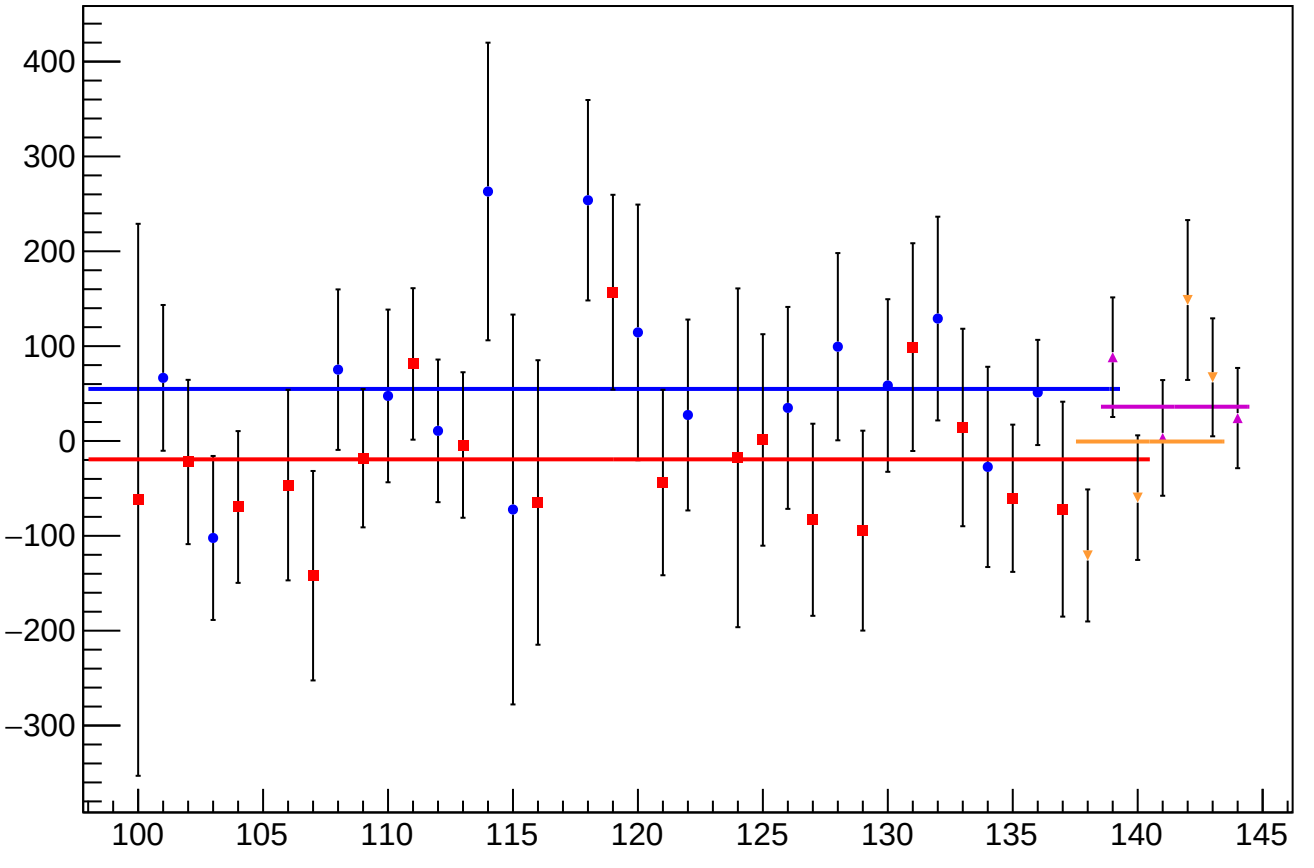
Left: 332.842+/-0.101 χ^2/NDF: 107807.2/6

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.681+/-0.077 χ^2/NDF:1753638.2/18

Out: 320.351+/-0.074 χ^2/NDF:1911934.8/22

All: 323.391+/-0.054 χ^2/NDF: 3669049.6/41



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -0.558+/-34.554 χ^2/NDF:8.1/3

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 36.125+/-33.741 χ^2/NDF:1.0/2

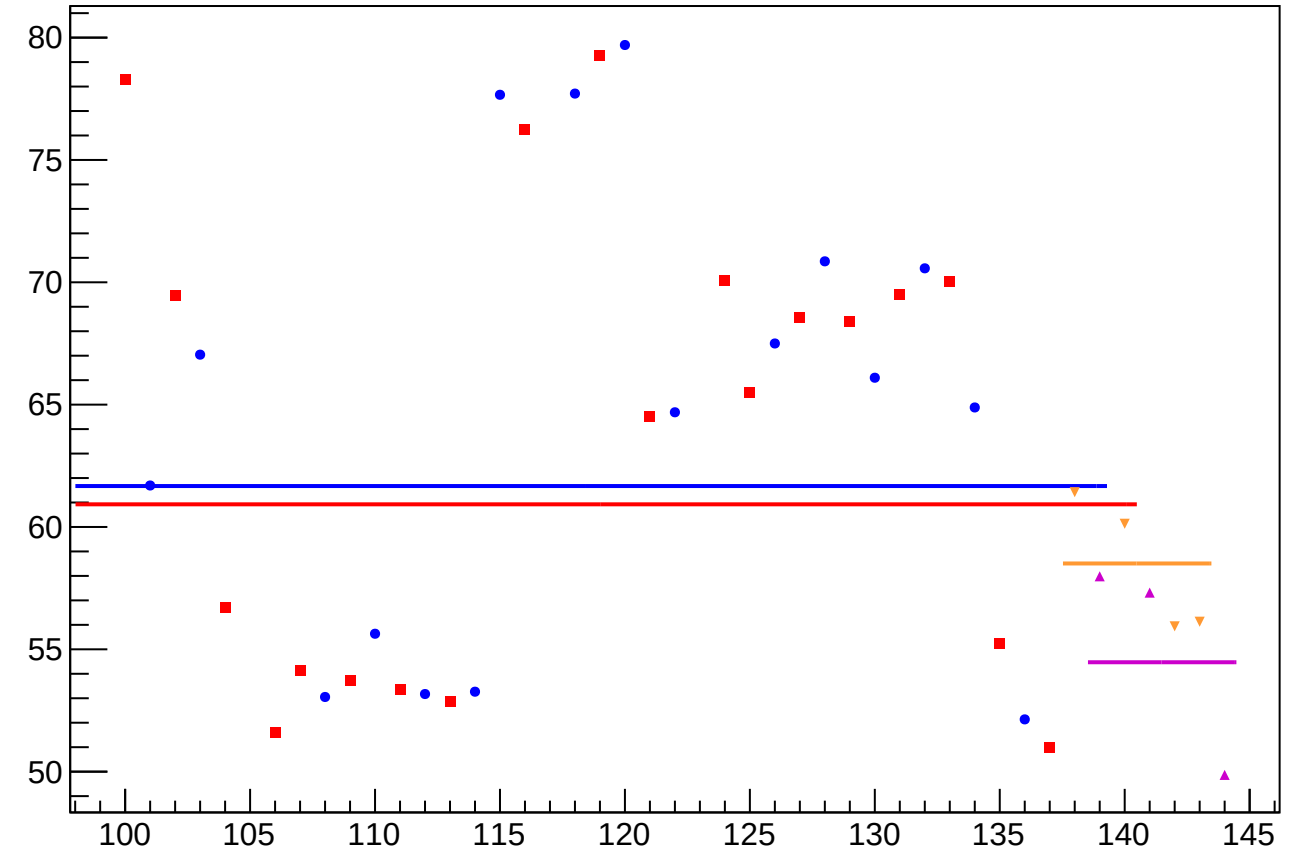
Left: 18.221+/-24.141 χ^2/NDF: 9.7/6

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 48.865+/-19.105 χ^2/NDF:12.3/18

Out: -13.726+/-18.907 χ^2/NDF:17.5/22

All: 17.243+/-13.439 χ^2/NDF: 35.2/41



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.471+/-0.024 χ^2/NDF:25738.7/2

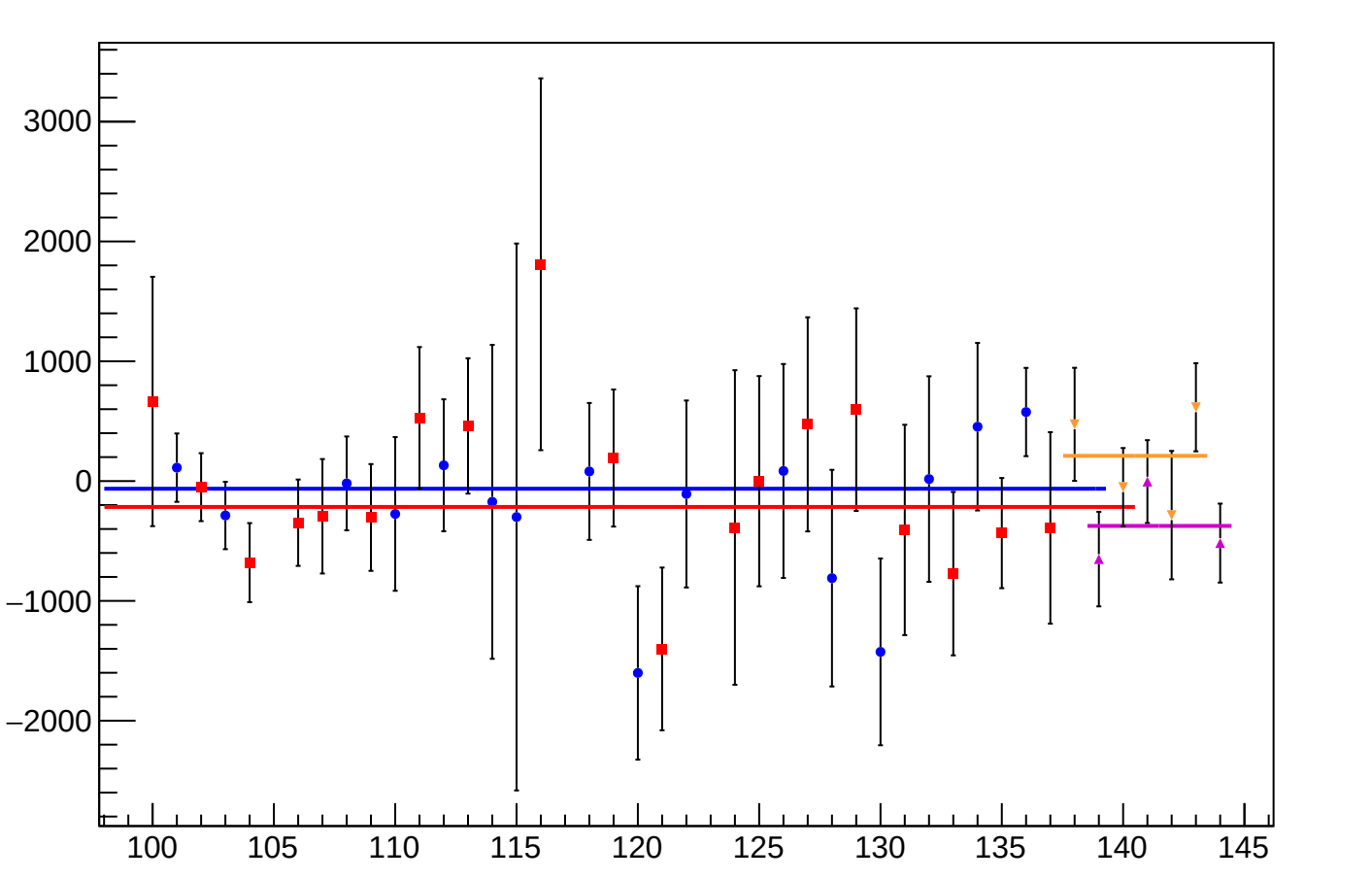
Left: 56.442+/-0.017 χ^2/NDF: 49228.7/6

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.364+/-0.014 χ^2/NDF:354749.6/18

Out: 60.202+/-0.013 χ^2/NDF:303952.8/22

All: 59.787+/-0.010 χ^2/NDF: 660646.7/41



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 210.726+/-200.939 χ^2/NDF:3.0/3

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -374.305+/-204.136 χ^2/NDF:1.8/2

Left: -77.172+/-143.202 χ^2/NDF: 9.0/6

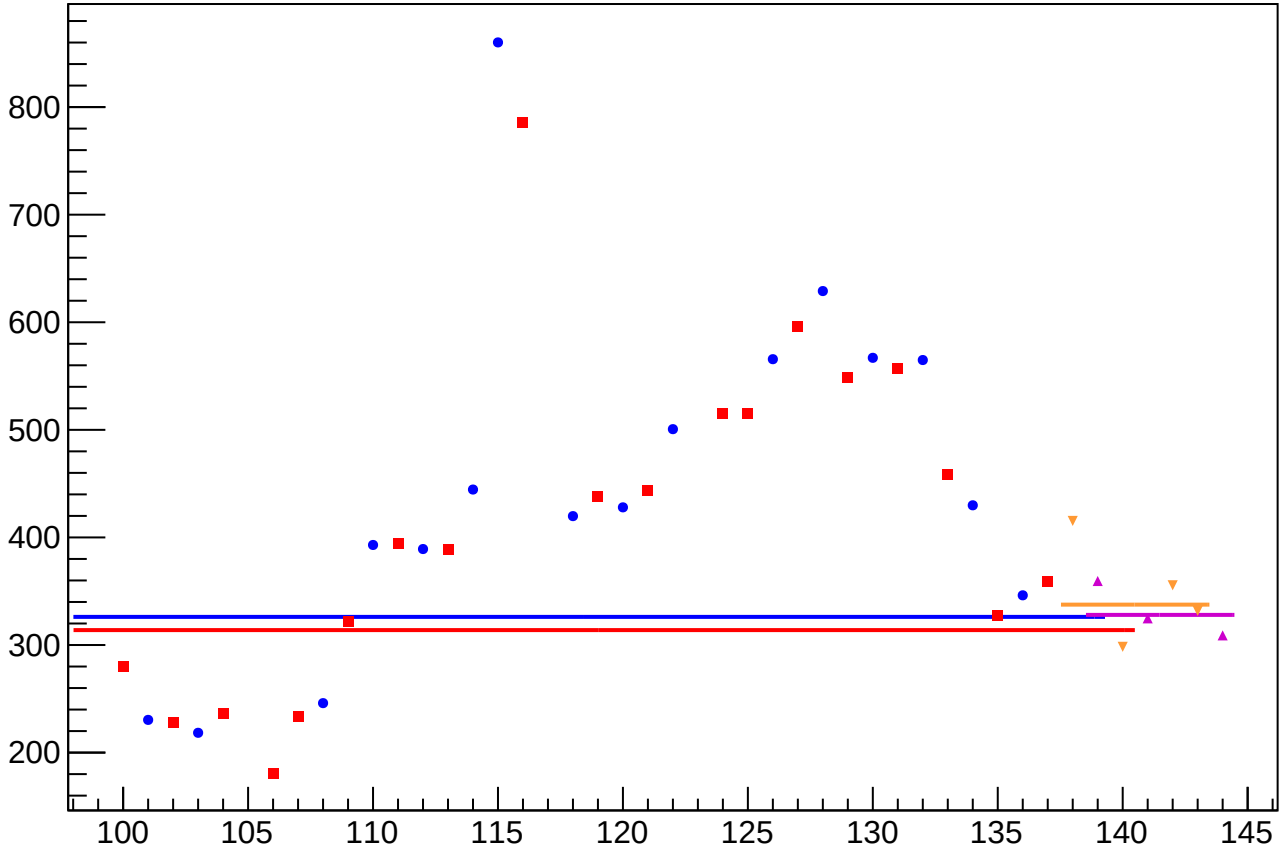
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -153.088+/-109.458 χ^2/NDF:16.7/18

Out: -98.948+/-105.211 χ^2/NDF:20.4/22

All: -124.947+/-75.852 χ^2/NDF: 37.2/41

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: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 327.997+/-0.144 χ^2/NDF:19586.9/2

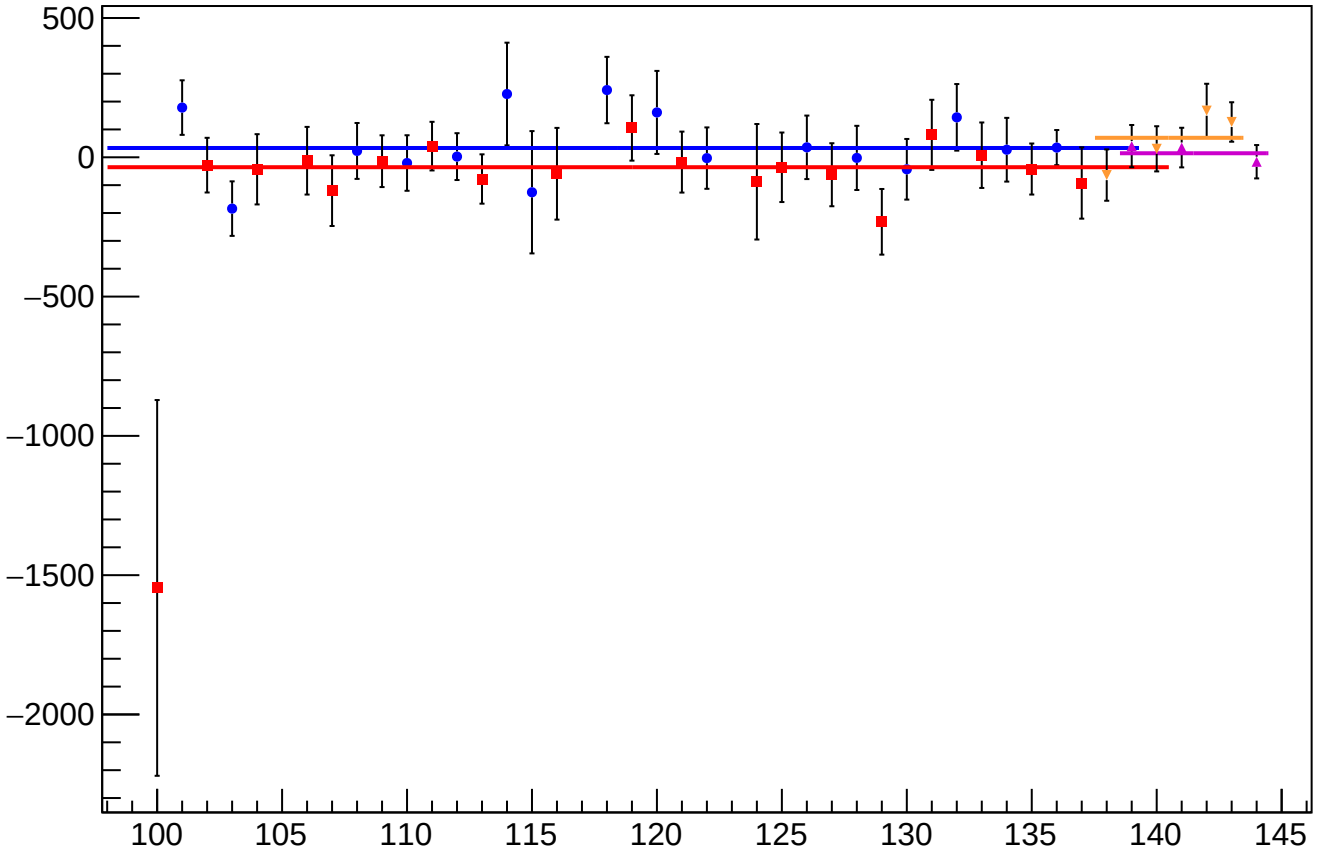
Left: 332.842+/-0.101 χ^2/NDF: 107807.2/6

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.681+/-0.077 χ^2/NDF:1753638.2/18

Out: 320.351+/-0.074 χ^2/NDF:1911934.8/22

All: 323.391+/-0.054 χ^2/NDF: 3669049.6/41



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.932+/-41.650 χ^2/NDF:4.0/3

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 14.505+/-39.205 χ^2/NDF:0.5/2

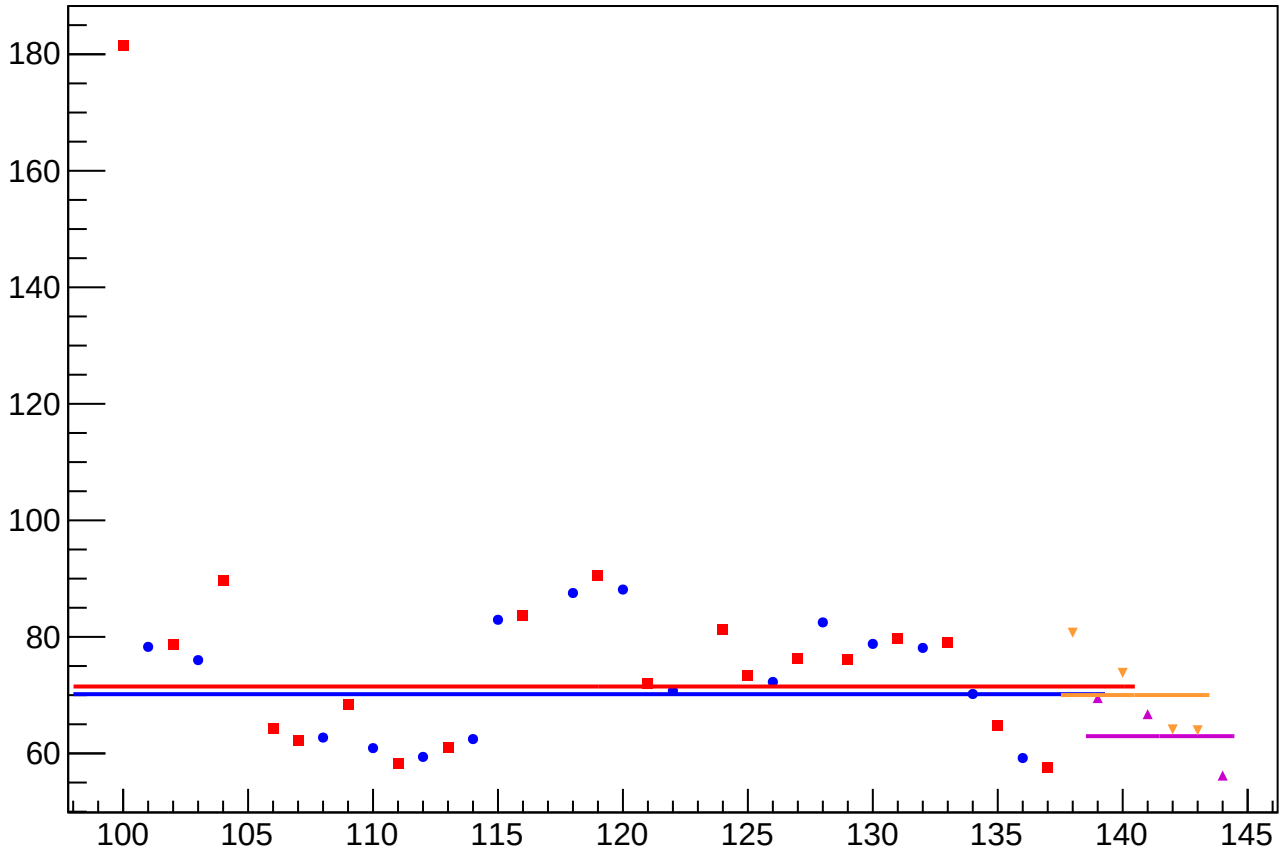
Left: 40.544+/-28.548 χ^2/NDF: 5.4/6

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 27.500+/-21.906 χ^2/NDF:15.2/18

Out: -5.114+/-22.380 χ^2/NDF:20.7/22

All: 11.541+/-15.655 χ^2/NDF: 36.9/41



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.015+/-0.029 χ^2/NDF:53456.2/3

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 62.961+/-0.028 χ^2/NDF:46038.2/2

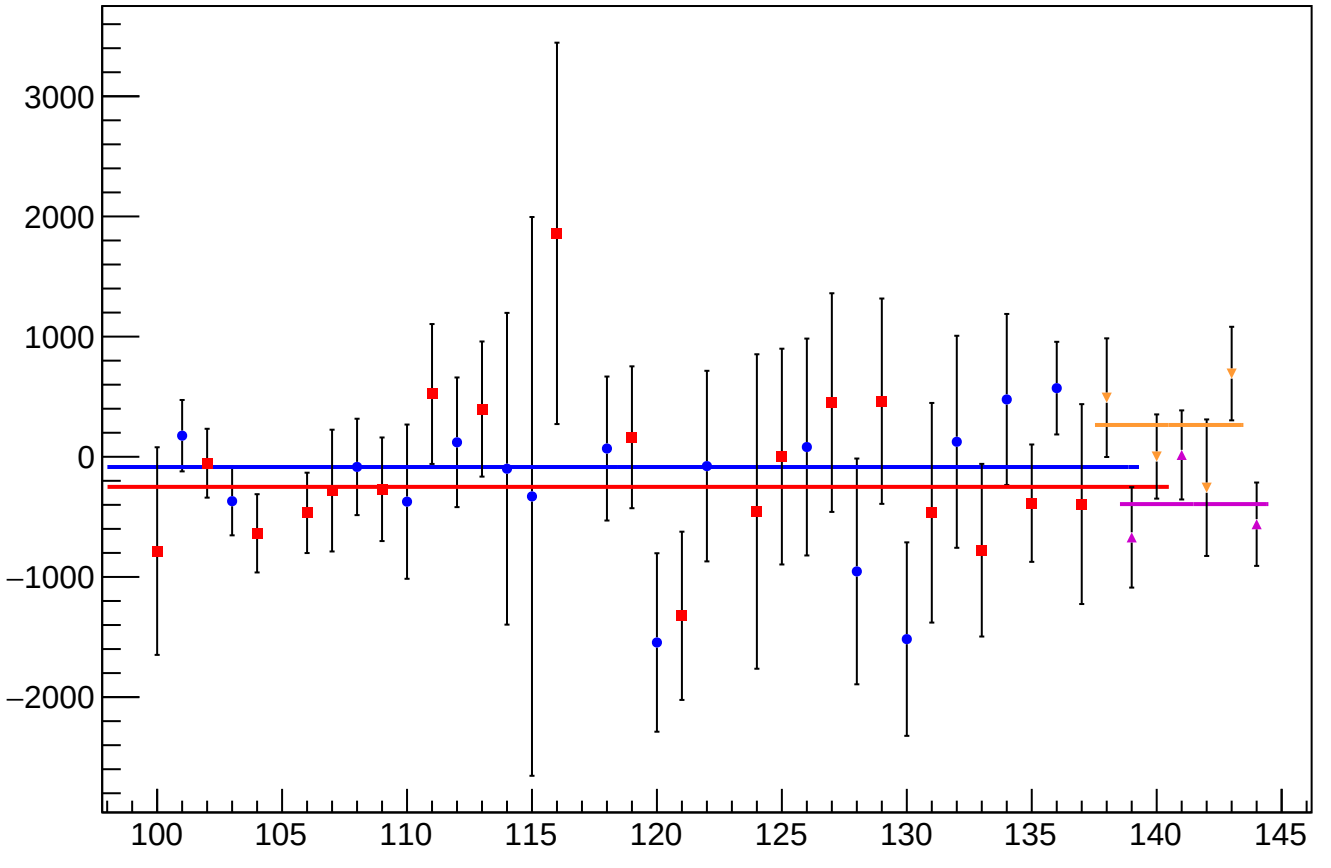
Left: 66.275+/-0.020 χ^2/NDF: 129912.3/6

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 67.917+/-0.015 χ^2/NDF:361764.1/18

Out: 71.059+/-0.016 χ^2/NDF:380938.5/22

All: 69.455+/-0.011 χ^2/NDF: 762832.9/41



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -393.673+/-216.591 χ^2/NDF:1.9/2

Left: -59.693+/-152.040 χ^2/NDF: 9.4/6

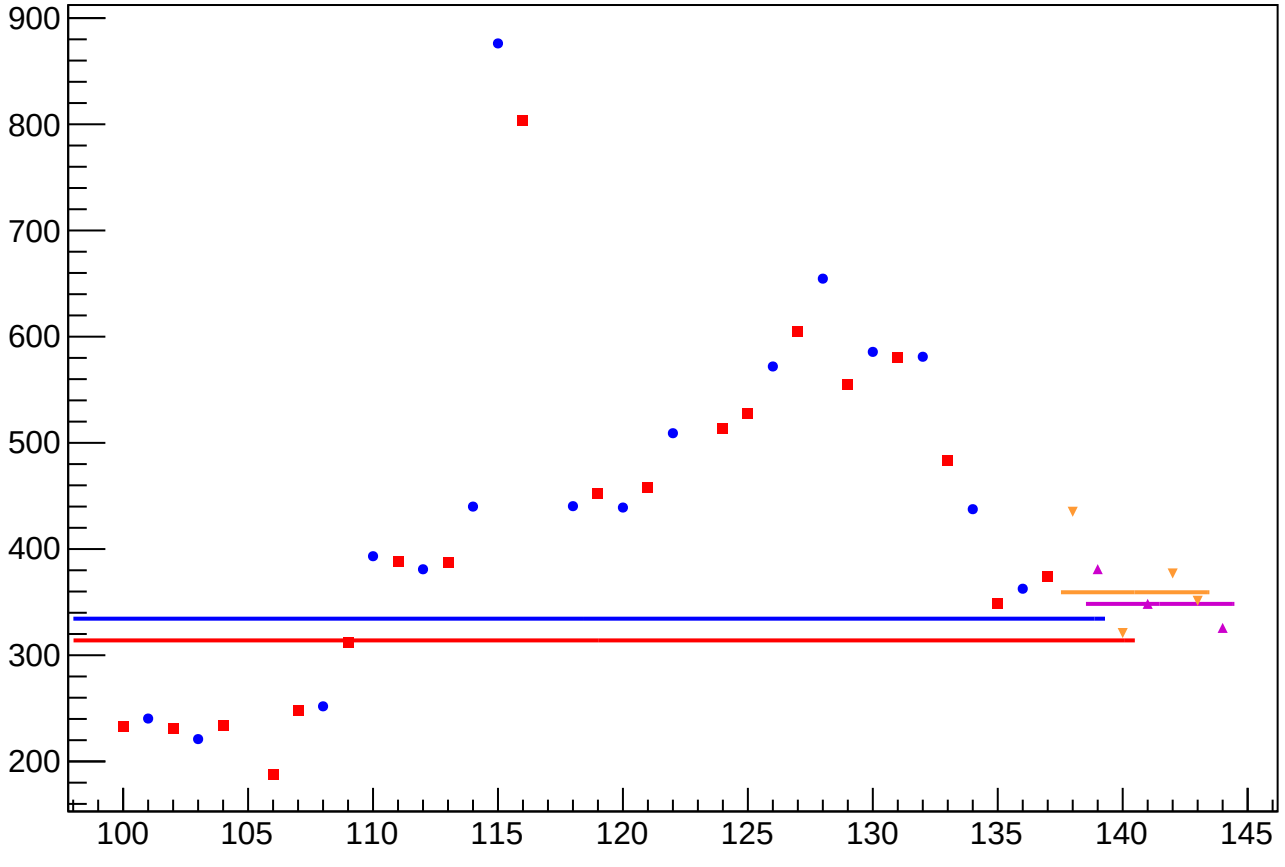
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -169.541+/-113.261 χ^2/NDF:17.1/18

Out: -121.563+/-106.771 χ^2/NDF:19.7/22

All: -144.138+/-77.692 χ^2/NDF: 36.8/41

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 359.304+/-0.151 χ^2/NDF:73966.9/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 348.356+/-0.153 χ^2/NDF:20758.1/2

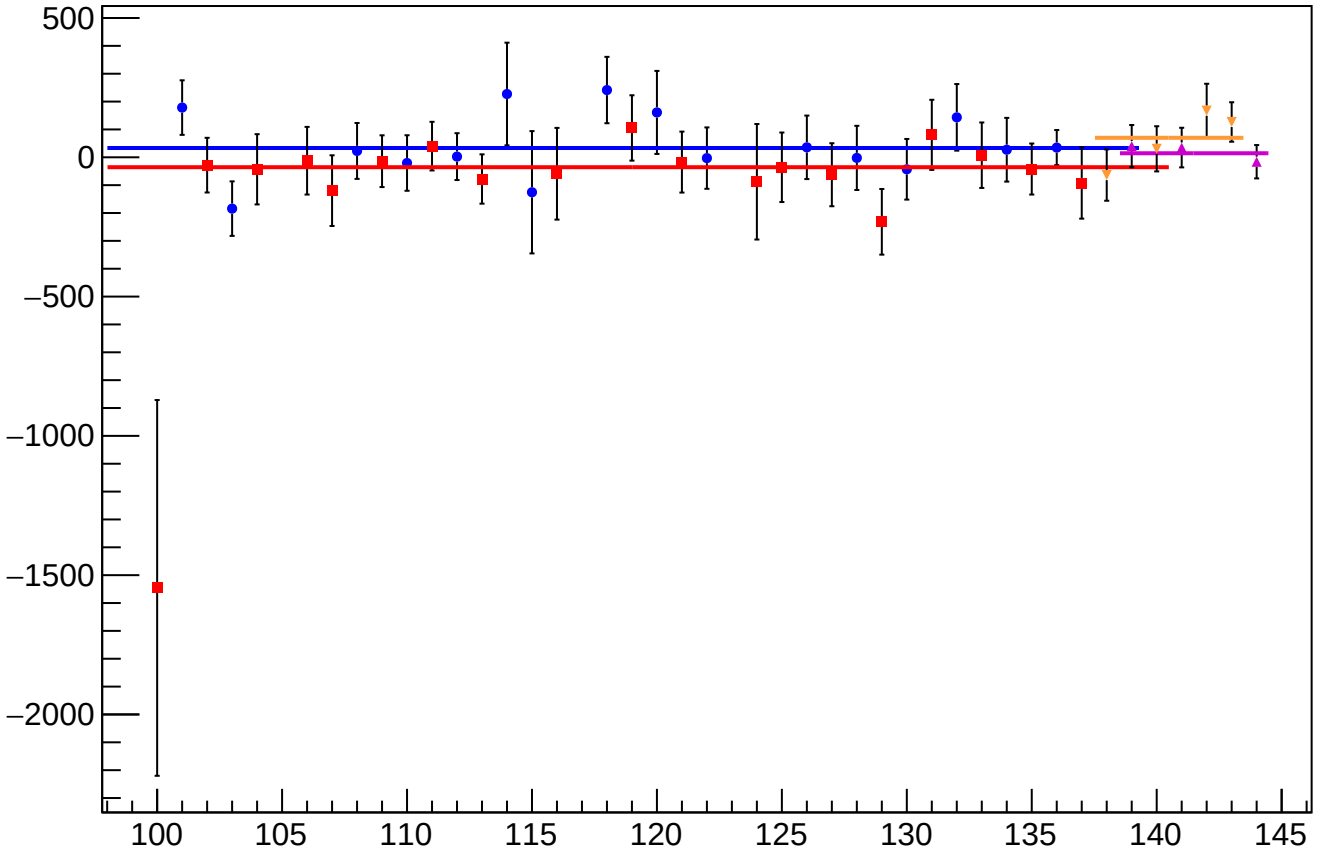
Left: 353.909+/-0.108 χ^2/NDF: 97317.1/6

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 338.239+/-0.080 χ^2/NDF:1757374.6/18

Out: 325.311+/-0.075 χ^2/NDF:2046200.7/22

All: 331.394+/-0.055 χ^2/NDF: 3817370.6/41



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.931+/-41.650 χ^2/NDF:4.0/3

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 14.506+/-39.205 χ^2/NDF:0.5/2

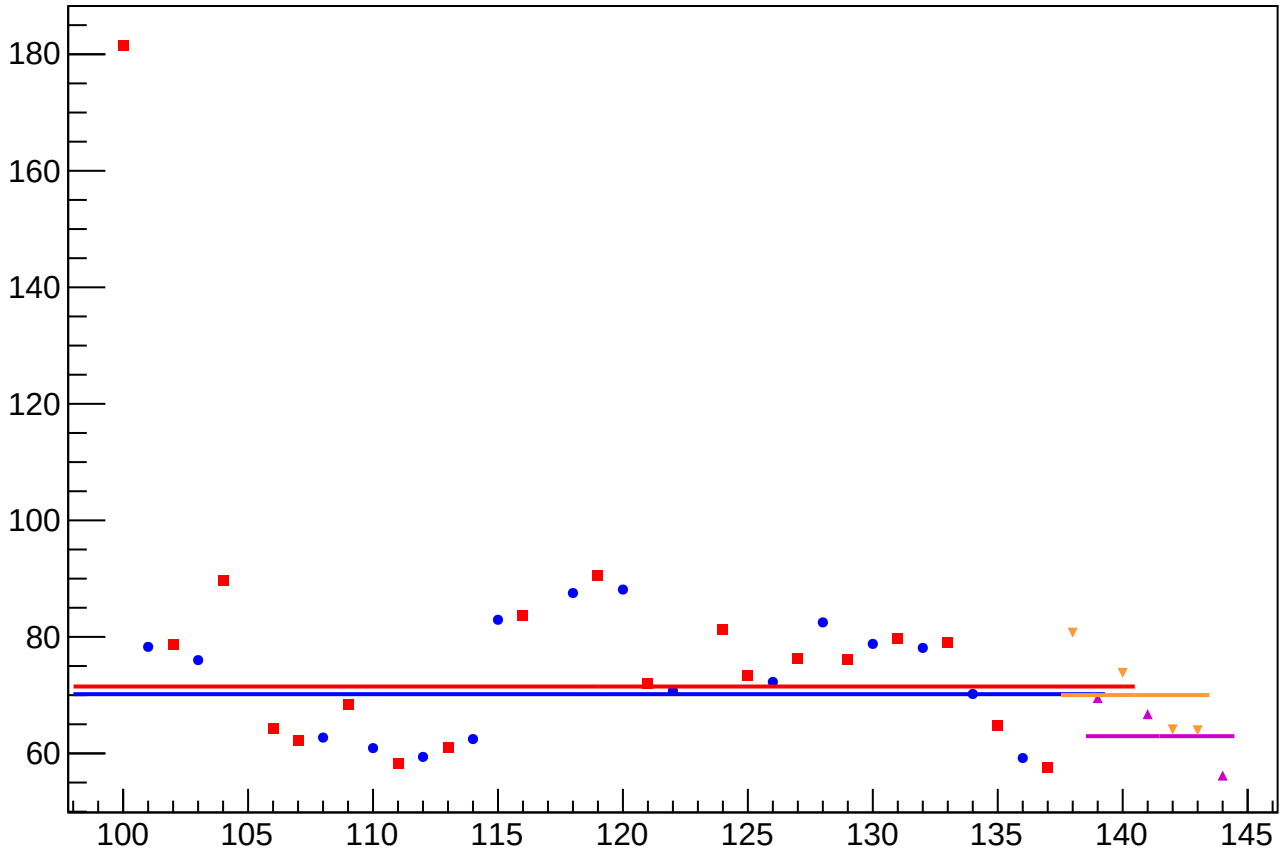
Left: 40.544+/-28.547 χ^2/NDF: 5.4/6

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 27.499+/-21.906 χ^2/NDF:15.2/18

Out: -5.115+/-22.380 χ^2/NDF:20.7/22

All: 11.541+/-15.655 χ^2/NDF: 36.9/41



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.015+/-0.029 χ^2/NDF:53453.1/3

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 62.961+/-0.028 χ^2/NDF:46036.1/2

Left: 66.275+/-0.020 χ^2/NDF: 129908.3/6

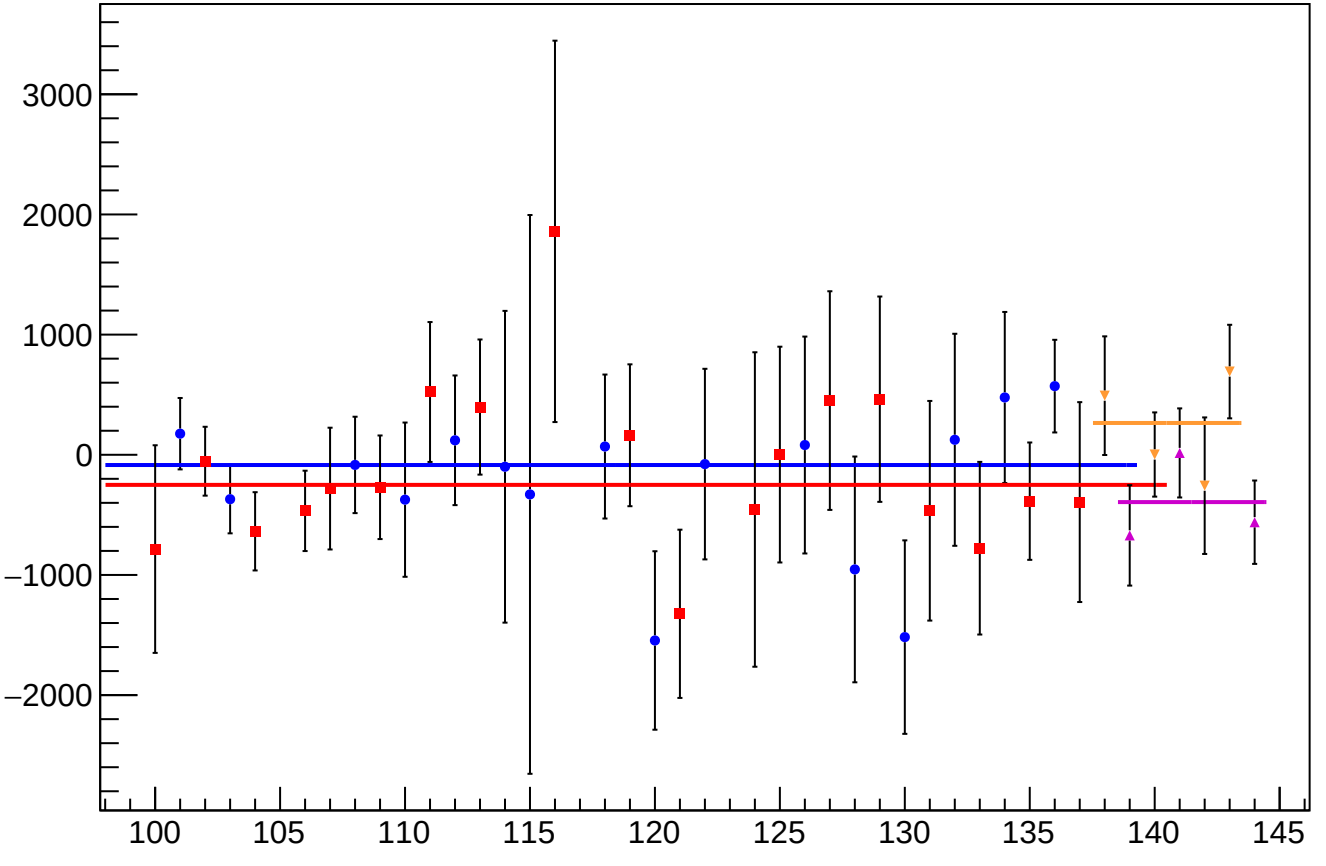
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 67.917+/-0.015 χ^2/NDF:361768.7/18

Out: 71.059+/-0.016 χ^2/NDF:380942.2/22

All: 69.455+/-0.011 χ^2/NDF: 762841.7/41

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -393.672+/-216.591 χ^2/NDF:1.9/2

Left: -59.693+/-152.040 χ^2/NDF: 9.4/6

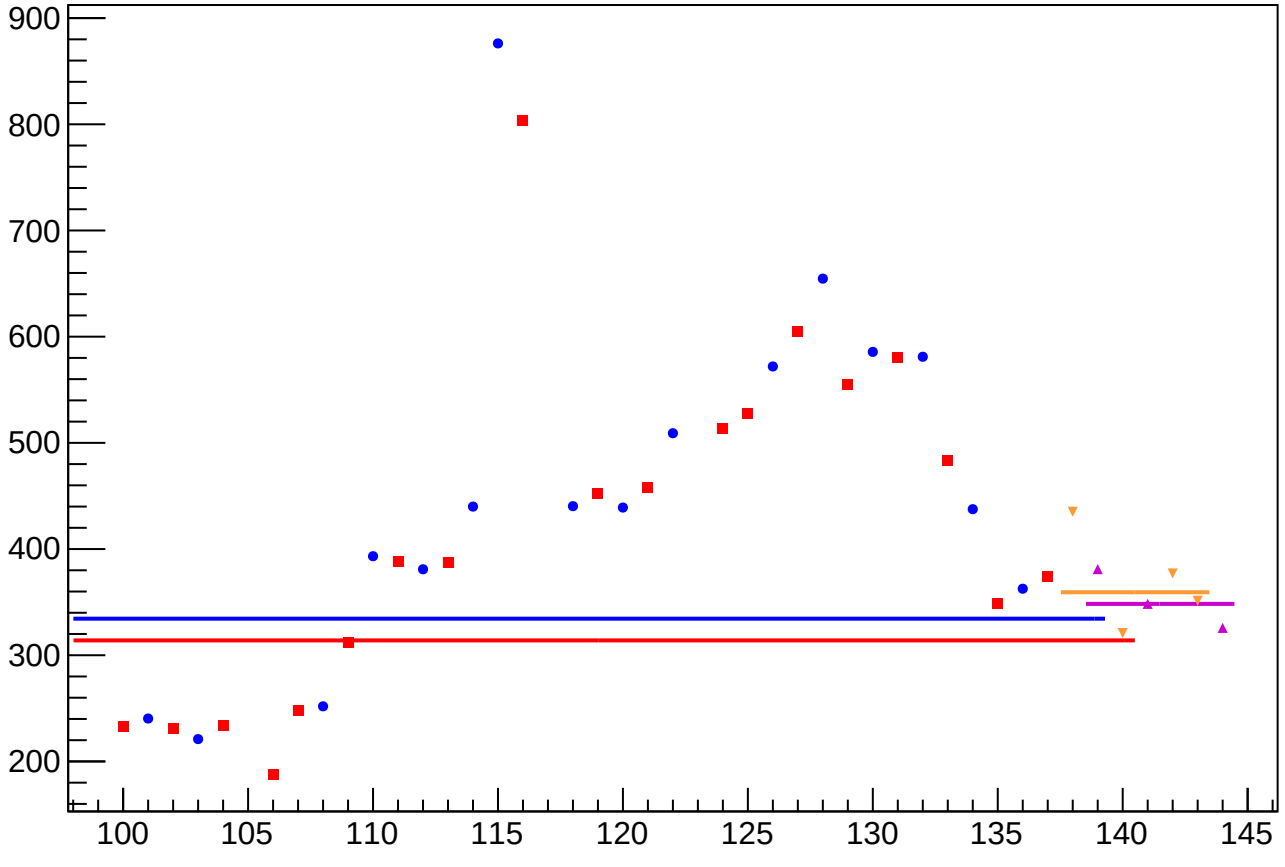
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -169.542+/-113.261 χ^2/NDF:17.1/18

Out: -121.563+/-106.771 χ^2/NDF:19.7/22

All: -144.138+/-77.692 χ^2/NDF: 36.8/41

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: 359.304+/-0.151 χ^2/NDF:73966.6/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 348.356+/-0.153 χ^2/NDF:20758.0/2

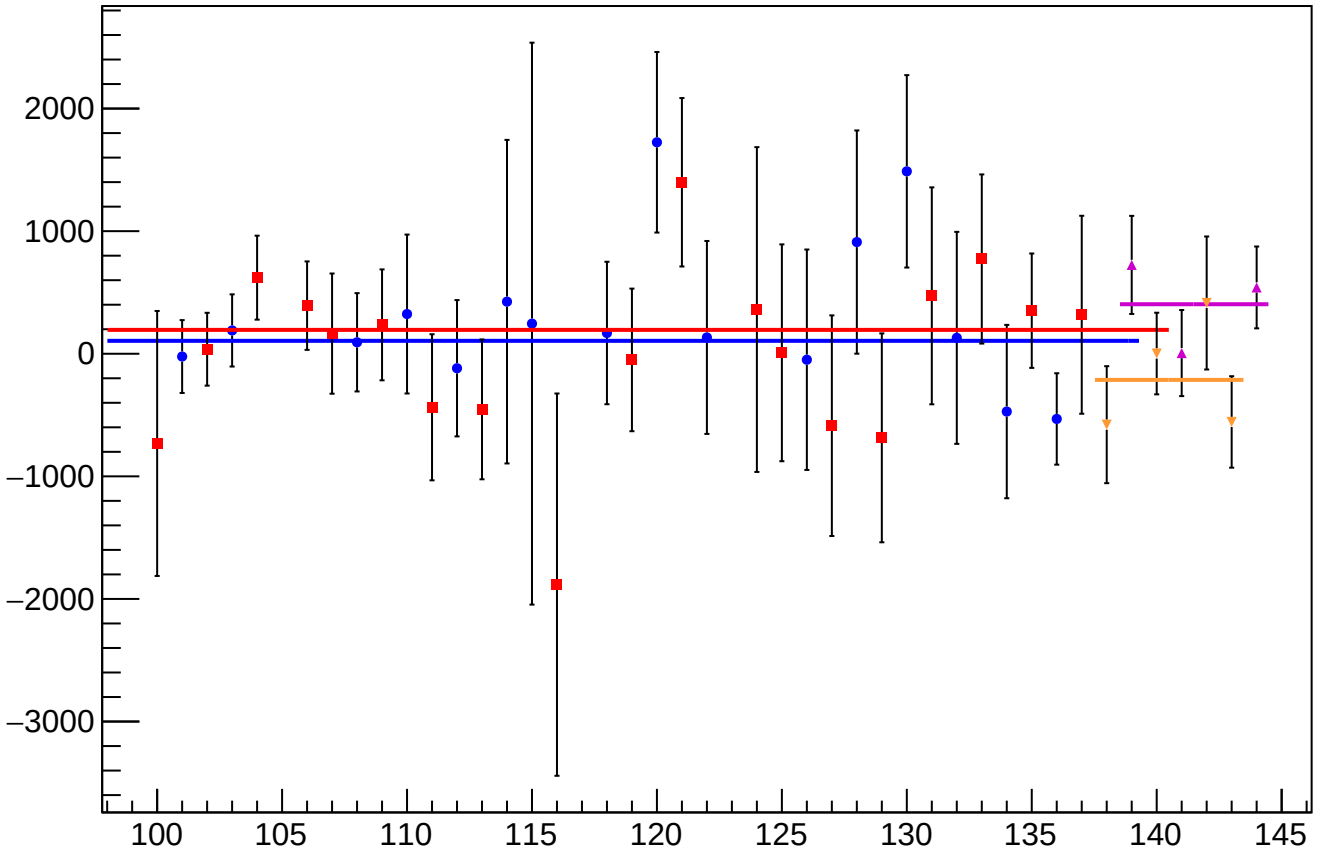
Left: 353.909+/-0.108 χ^2/NDF: 97316.7/6

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 338.239+/-0.080 χ^2/NDF:1757373.2/18

Out: 325.311+/-0.075 χ^2/NDF:2046198.0/22

All: 331.394+/-0.055 χ^2/NDF: 3817366.9/41



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -213.170+/-204.135 χ^2/NDF:3.2/3

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 404.011+/-207.019 χ^2/NDF:2.1/2

Left: 91.091+/-145.354 χ^2/NDF: 9.8/6

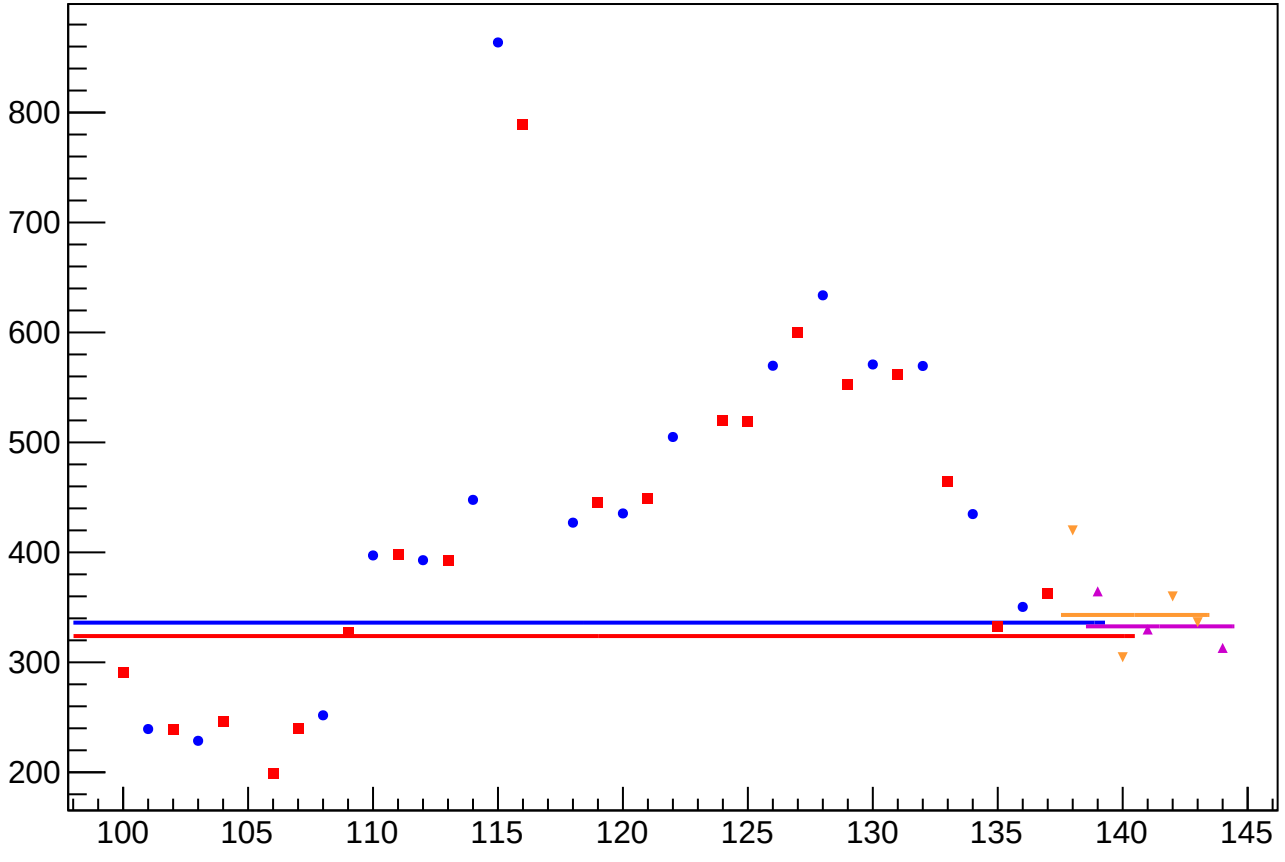
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 192.677+/-111.925 χ^2/NDF:16.5/18

Out: 81.930+/-107.342 χ^2/NDF:19.2/22

All: 134.990+/-77.472 χ^2/NDF: 36.3/41

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 343.089+/-0.144 χ^2/NDF:81194.3/3

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 332.713+/-0.146 χ^2/NDF:19697.6/2

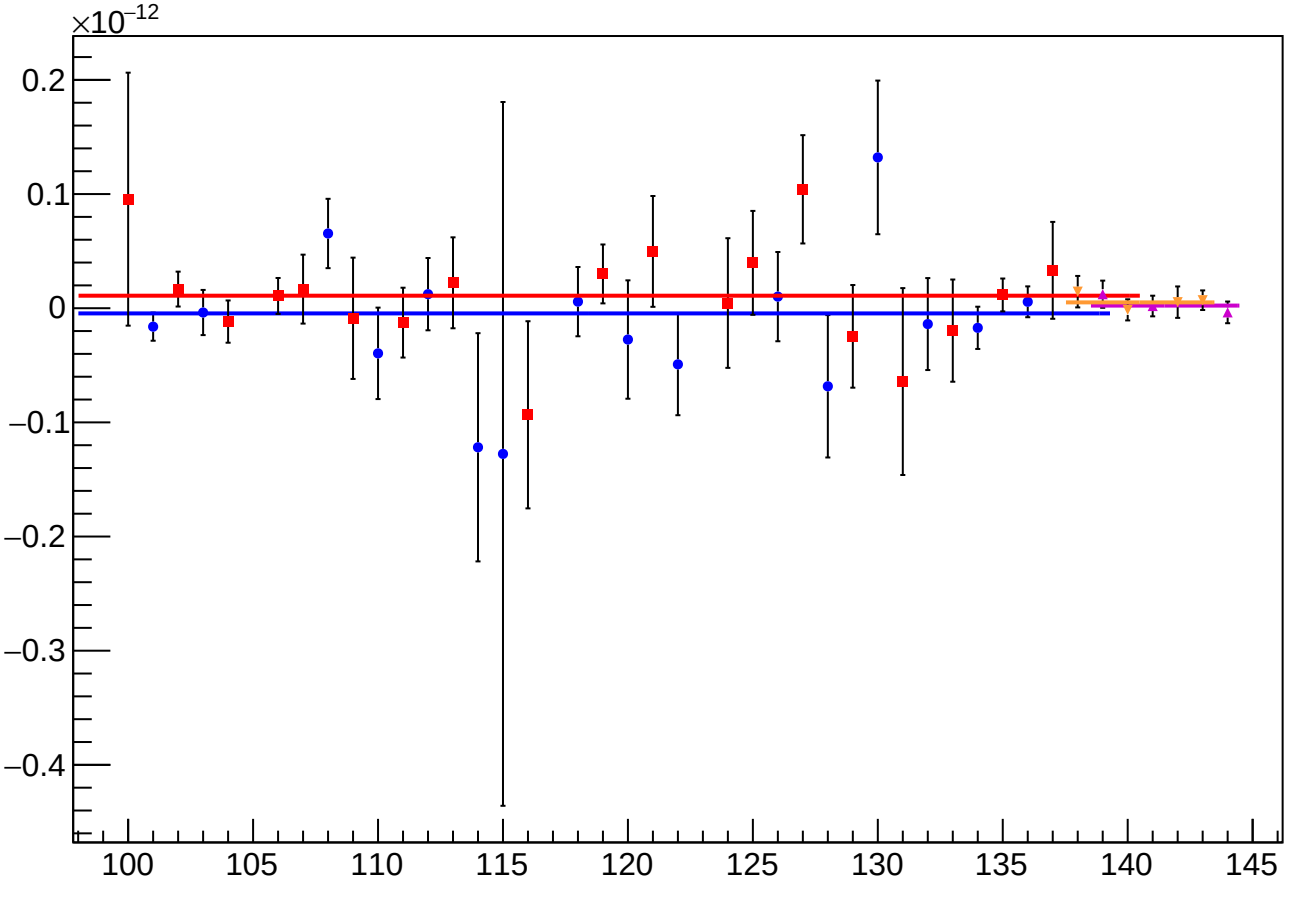
Left: 337.974+/-0.103 χ^2/NDF: 103438.9/6

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 335.104+/-0.079 χ^2/NDF:1639071.8/18

Out: 329.195+/-0.076 χ^2/NDF:1759420.1/22

All: 332.026+/-0.055 χ^2/NDF: 3401395.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/2

Left: 0.000+/-0.000 χ^2/NDF: 2.2/6

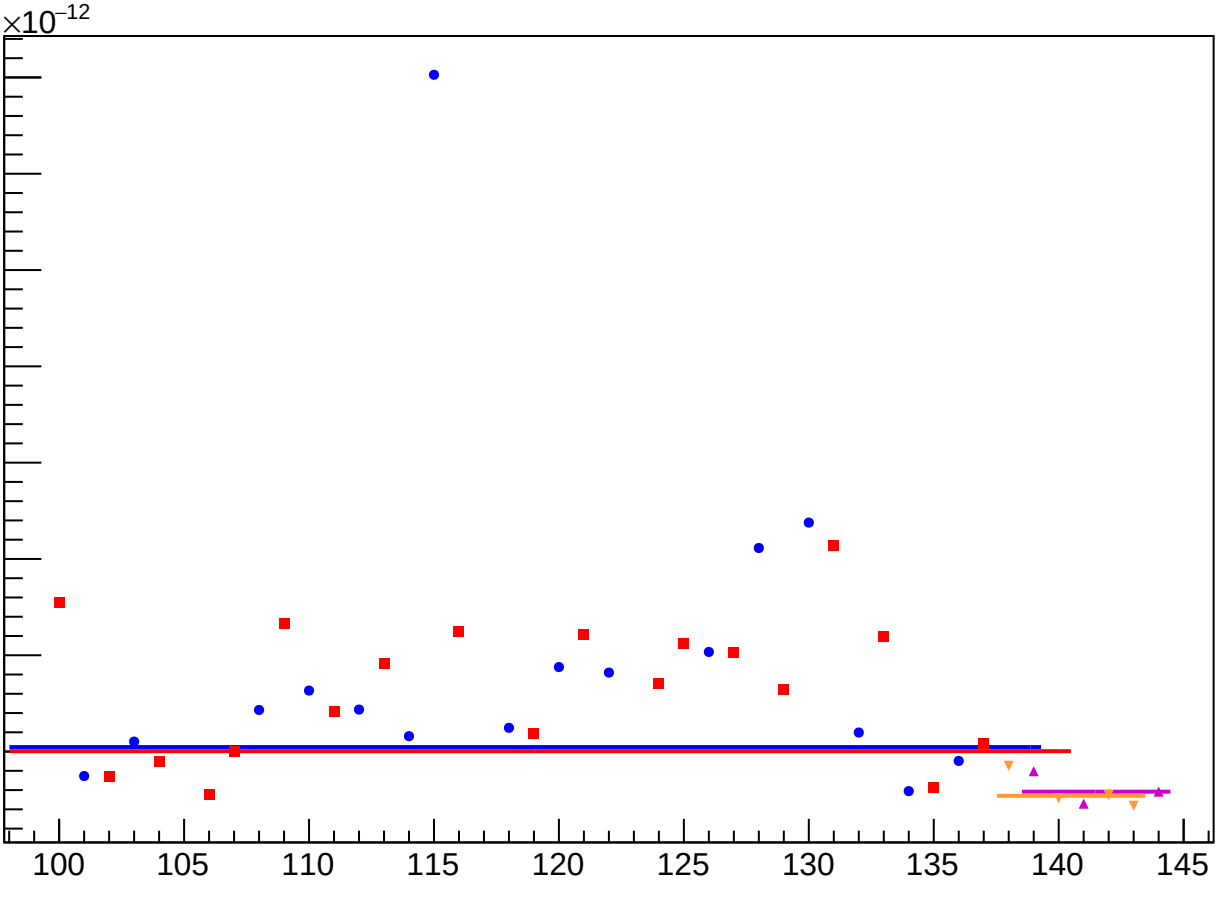
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.2/18

Out: 0.000+/-0.000 χ^2/NDF:13.9/22

All: 0.000+/-0.000 χ^2/NDF: 34.0/41

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:132235.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:101652.1/2

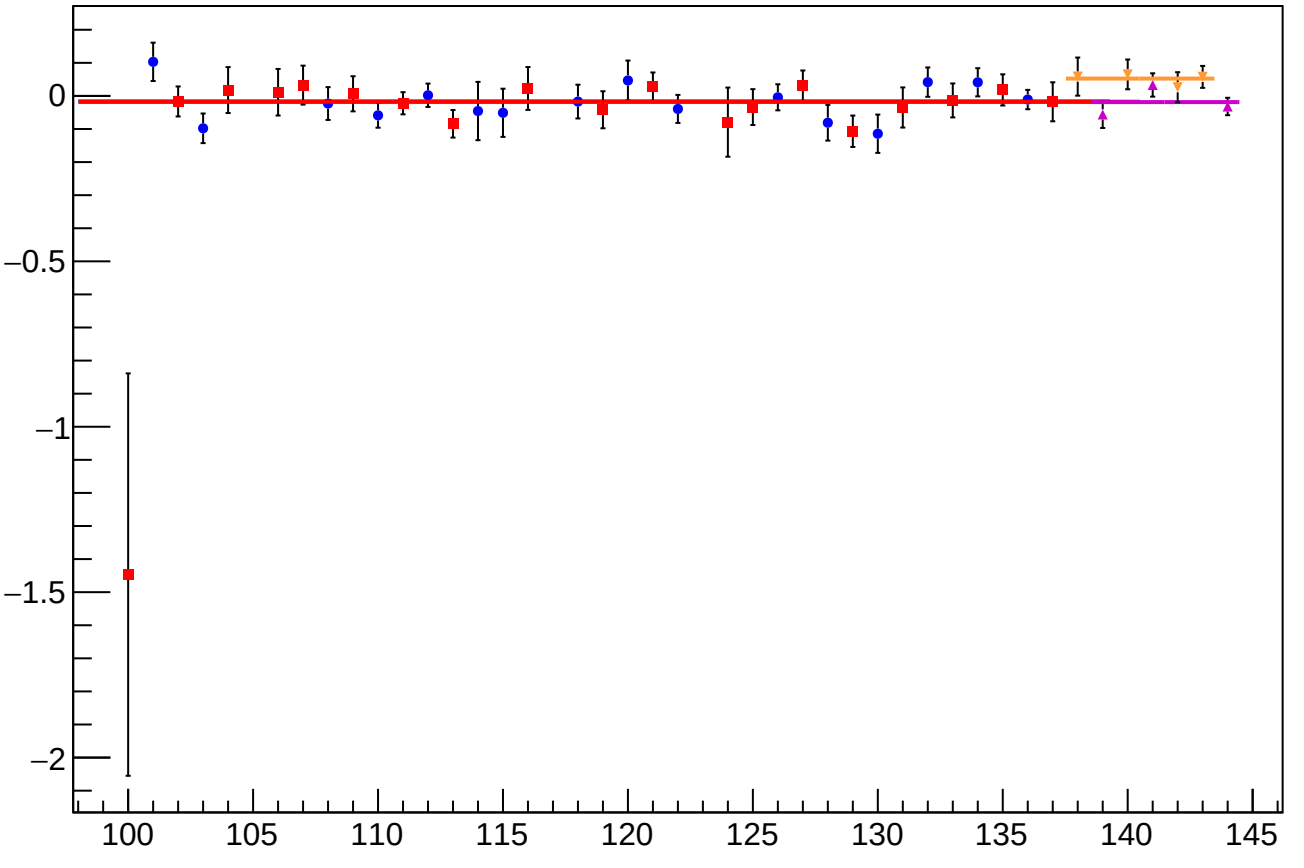
Left: 0.000+/-0.000 χ^2/NDF: 239955.5/6

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:1862101.1/18

Out: 0.000+/-0.000 χ^2/NDF:2170103.9/22

All: 0.000+/-0.000 χ^2/NDF: 4053034.9/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.019+/-0.019 χ^2/NDF:3.2/2

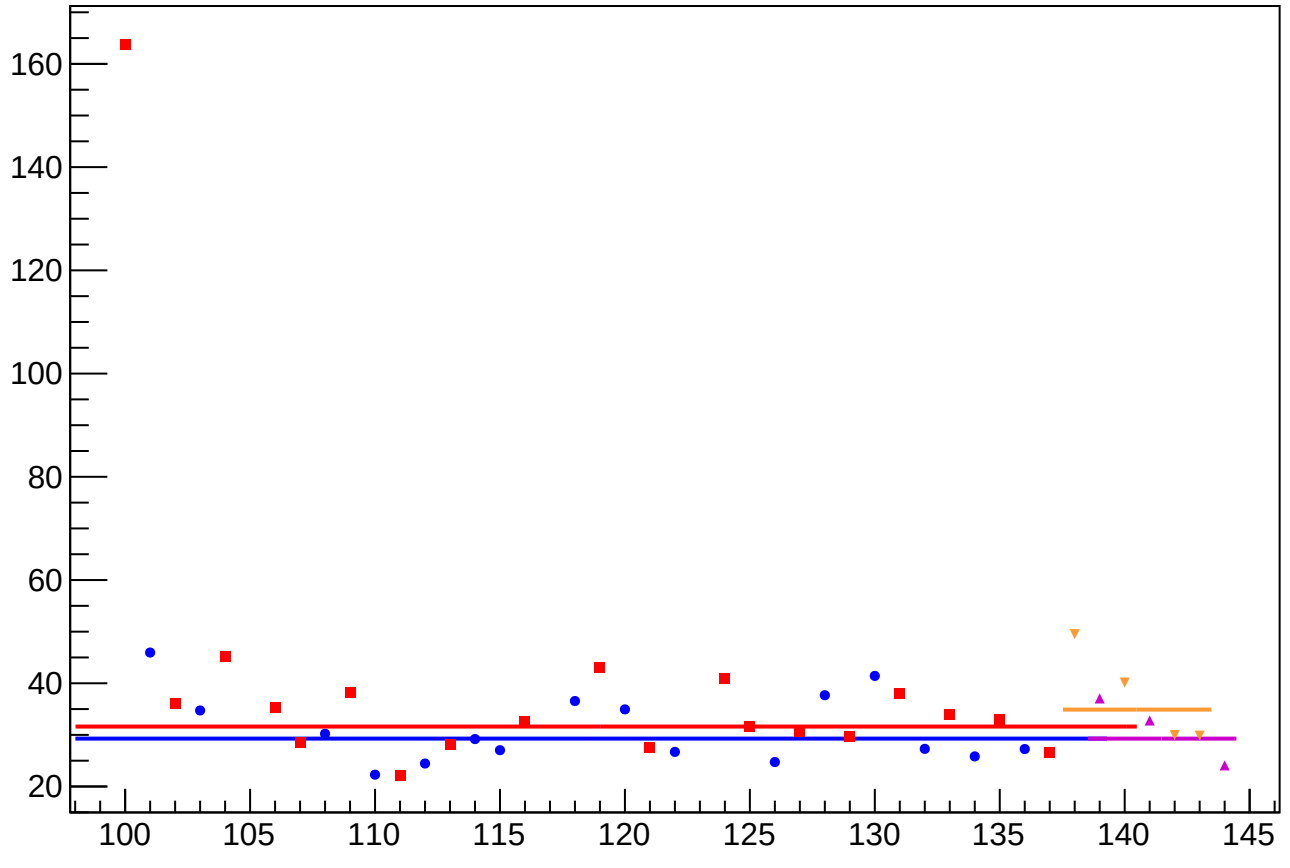
Left: 0.012+/-0.014 χ^2/NDF: 9.9/6

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.010 χ^2/NDF:22.1/18

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.010+/-0.007 χ^2/NDF: 48.9/41



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 34.900+/-0.015 χ^2/NDF:225903.4/3

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.274+/-0.013 χ^2/NDF:170262.8/2

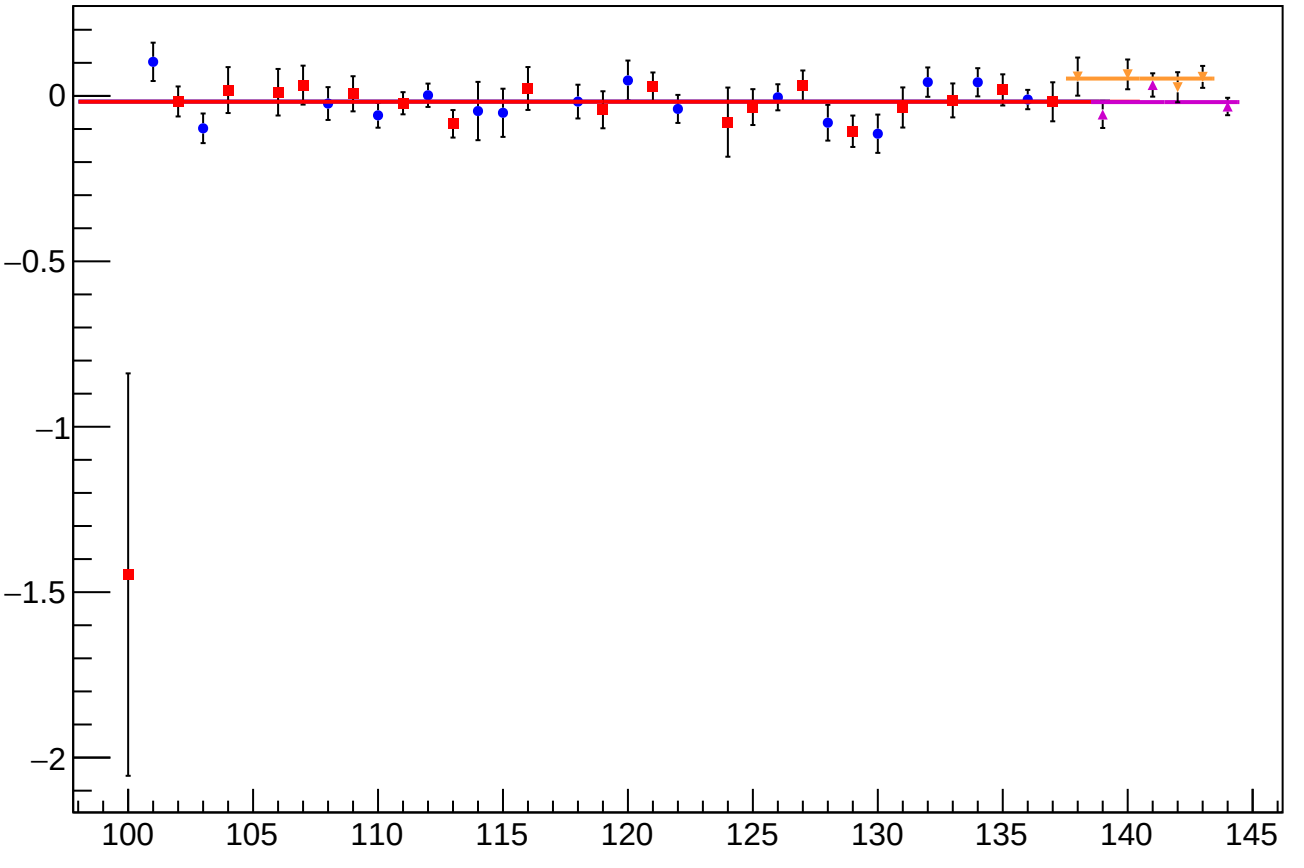
Left: 31.718+/-0.010 χ^2/NDF: 474447.8/6

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.277+/-0.007 χ^2/NDF:730917.8/18

Out: 32.410+/-0.007 χ^2/NDF:833882.2/22

All: 30.716+/-0.005 χ^2/NDF: 1660521.1/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.019+/-0.019 χ^2/NDF:3.2/2

Left: 0.012+/-0.014 χ^2/NDF: 9.9/6

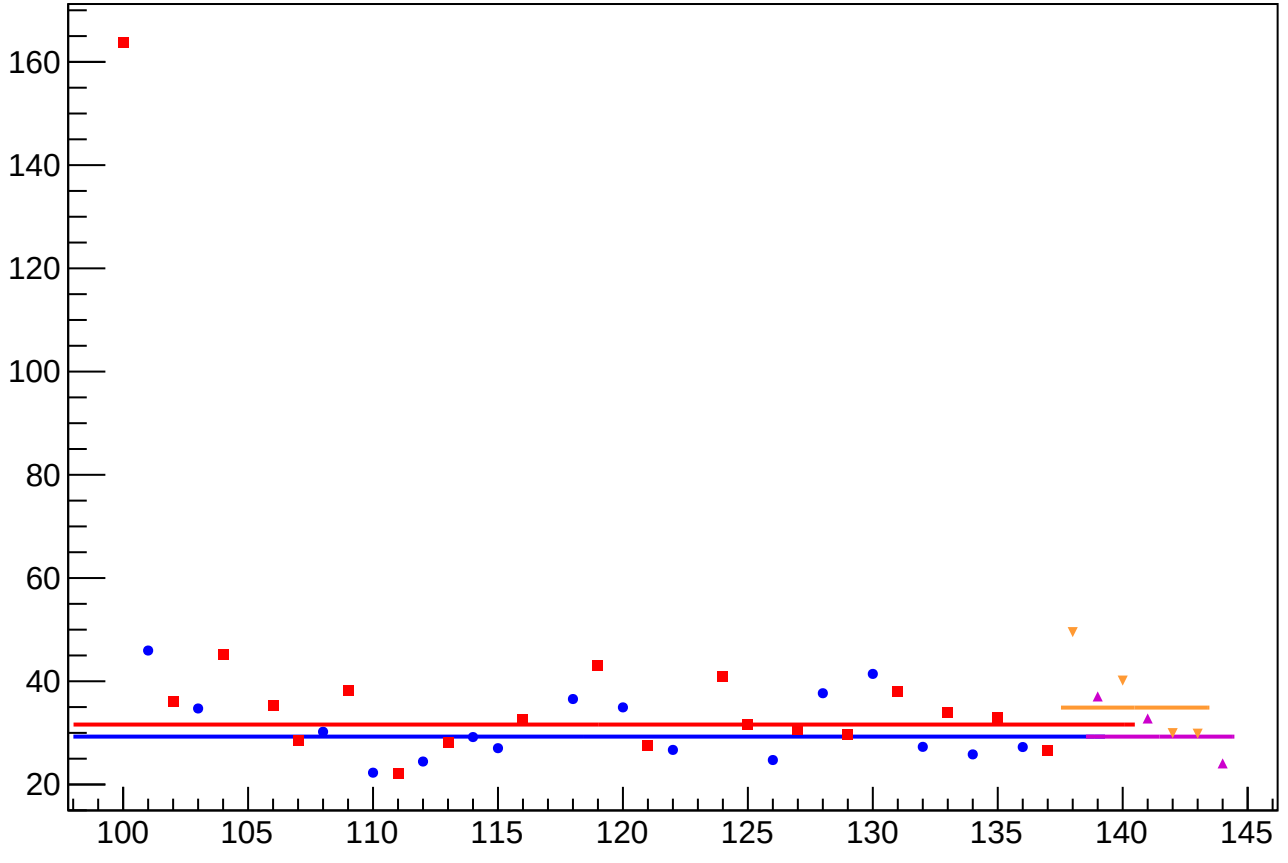
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.010 χ^2/NDF:22.1/18

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.010+/-0.007 χ^2/NDF: 48.9/41

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: 34.900+/-0.015 χ^2/NDF:225903.4/3

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 29.274+/-0.013 χ^2/NDF:170262.8/2

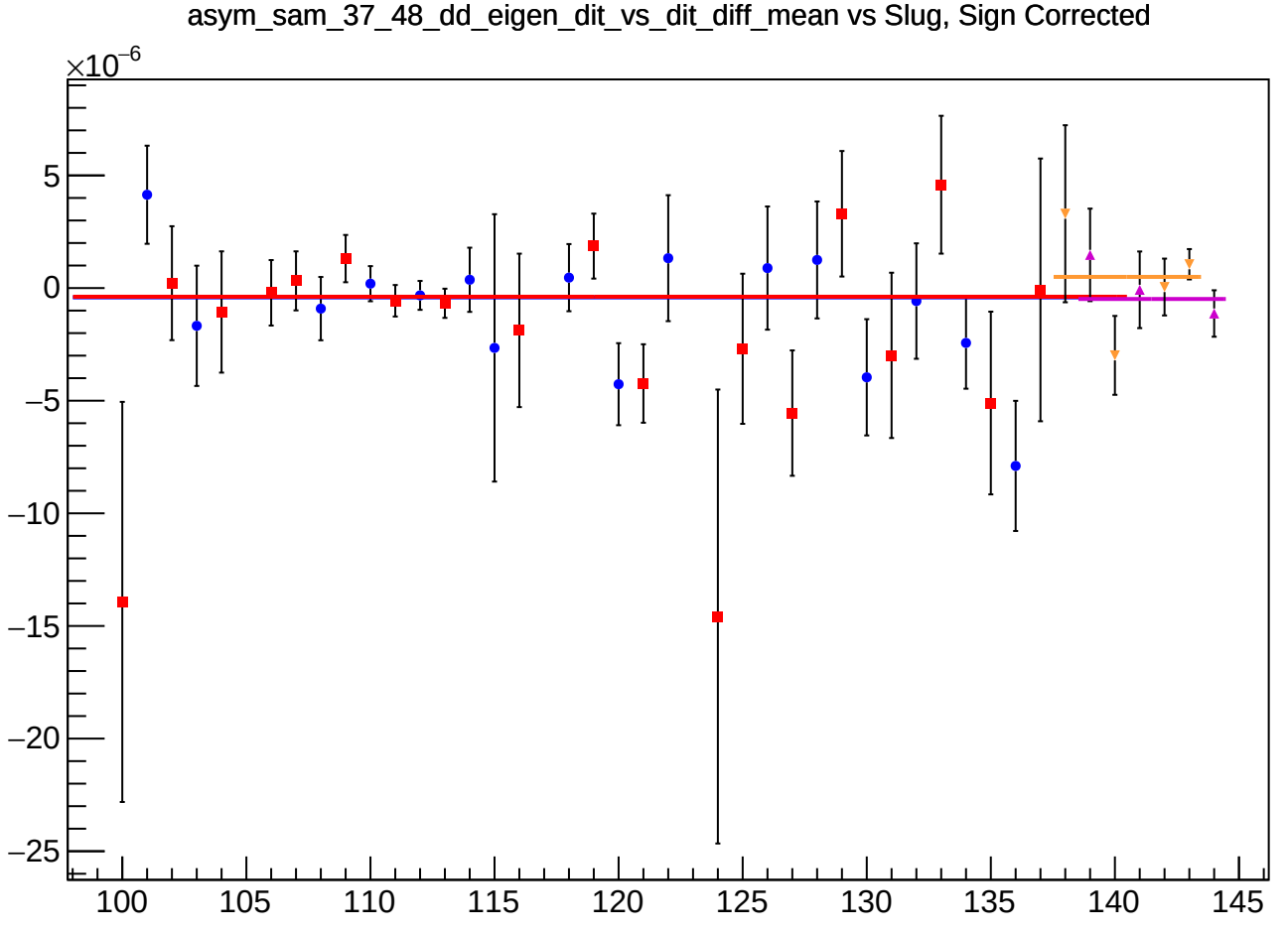
Left: 31.718+/-0.010 χ^2/NDF: 474447.8/6

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.277+/-0.007 χ^2/NDF:730917.8/18

Out: 32.410+/-0.007 χ^2/NDF:833882.2/22

All: 30.716+/-0.005 χ^2/NDF: 1660521.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/2

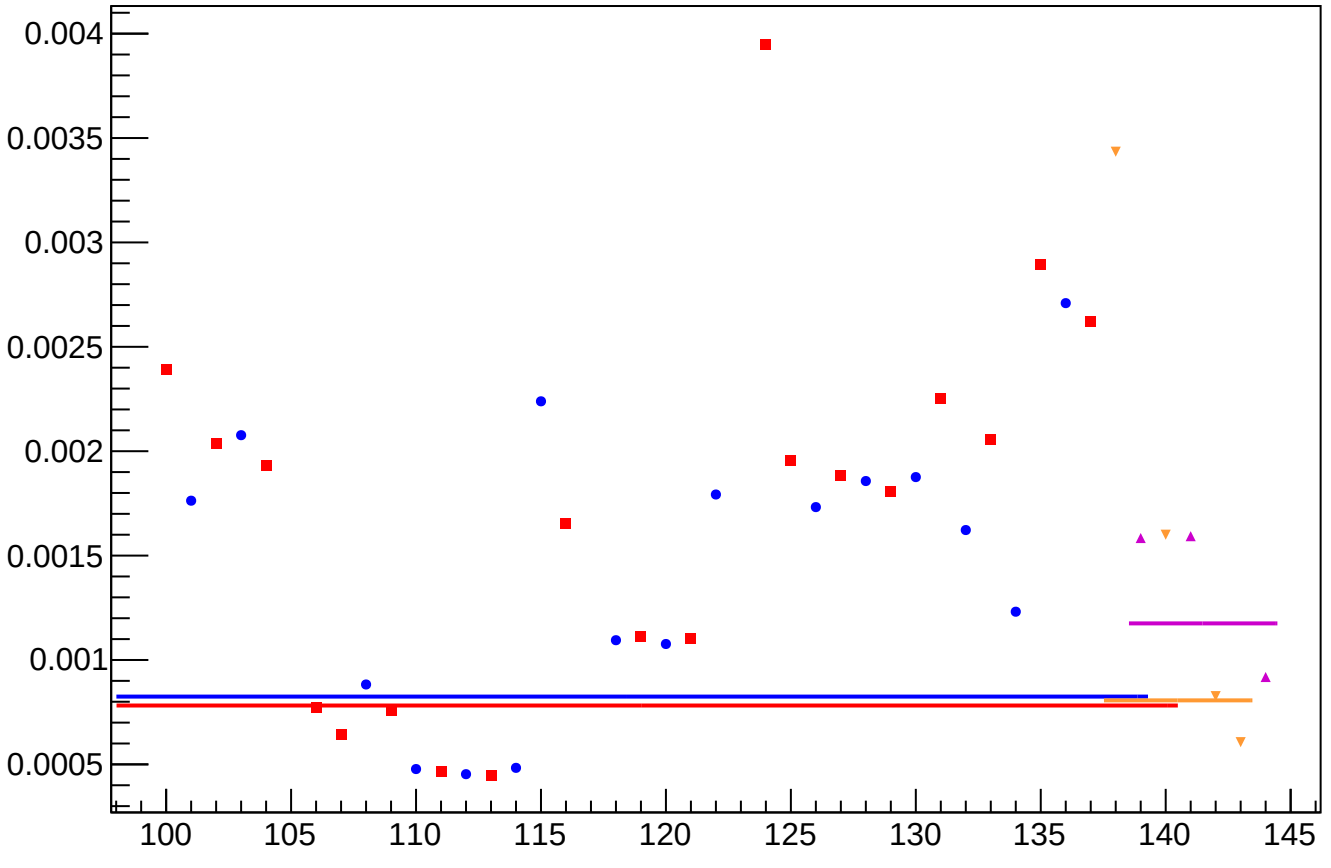
Left: 0.000+/-0.000 χ^2/NDF: 7.6/6

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:22.6/18

Out: -0.000+/-0.000 χ^2/NDF:32.4/22

All: -0.000+/-0.000 χ^2/NDF: 55.4/41



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1482517.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:323886.4/2

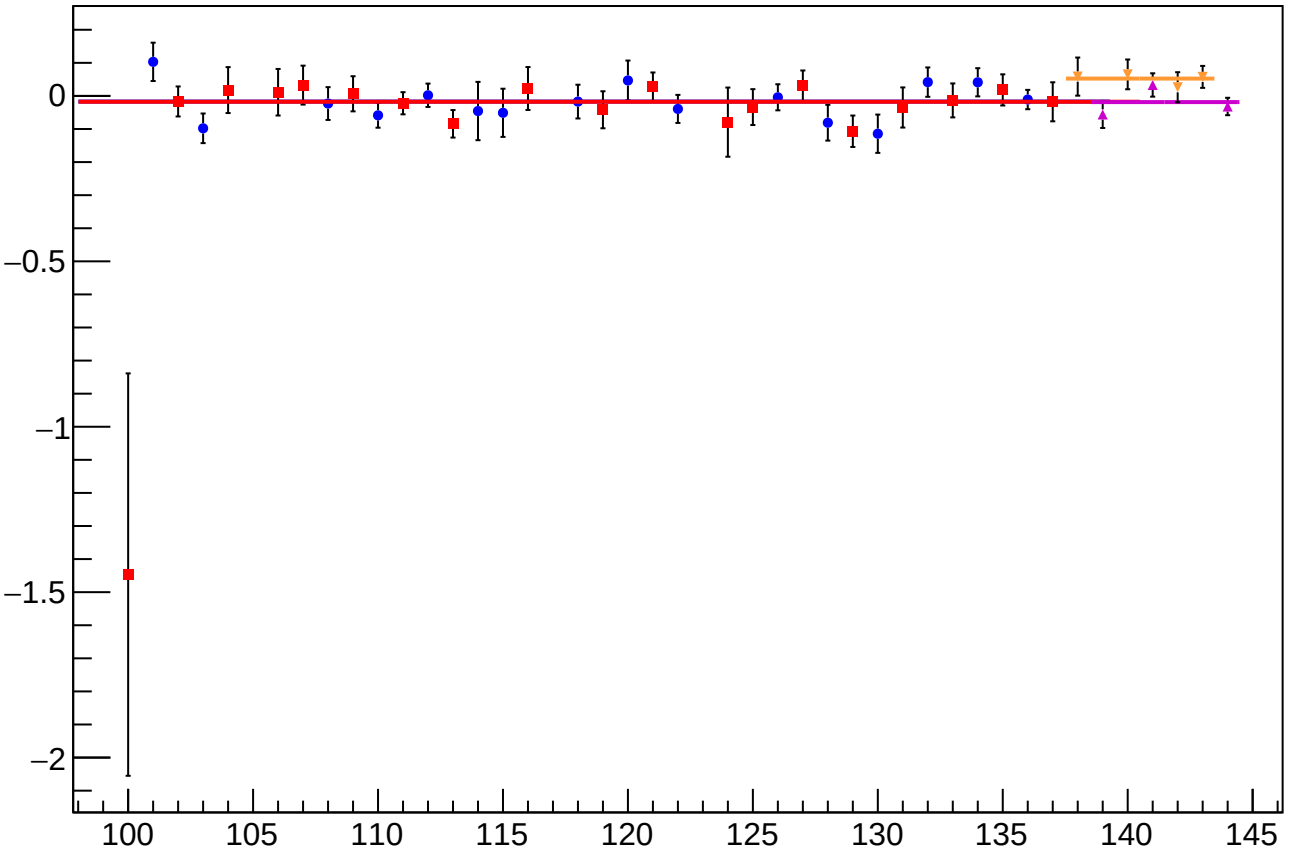
Left: 0.001+/-0.000 χ^2/NDF: 2087614.8/6

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:5082225.2/18

Out: 0.001+/-0.000 χ^2/NDF:6123756.5/22

All: 0.001+/-0.000 χ^2/NDF: 11298602.5/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.019+/-0.019 χ^2/NDF:3.2/2

Left: 0.012+/-0.014 χ^2/NDF: 9.9/6

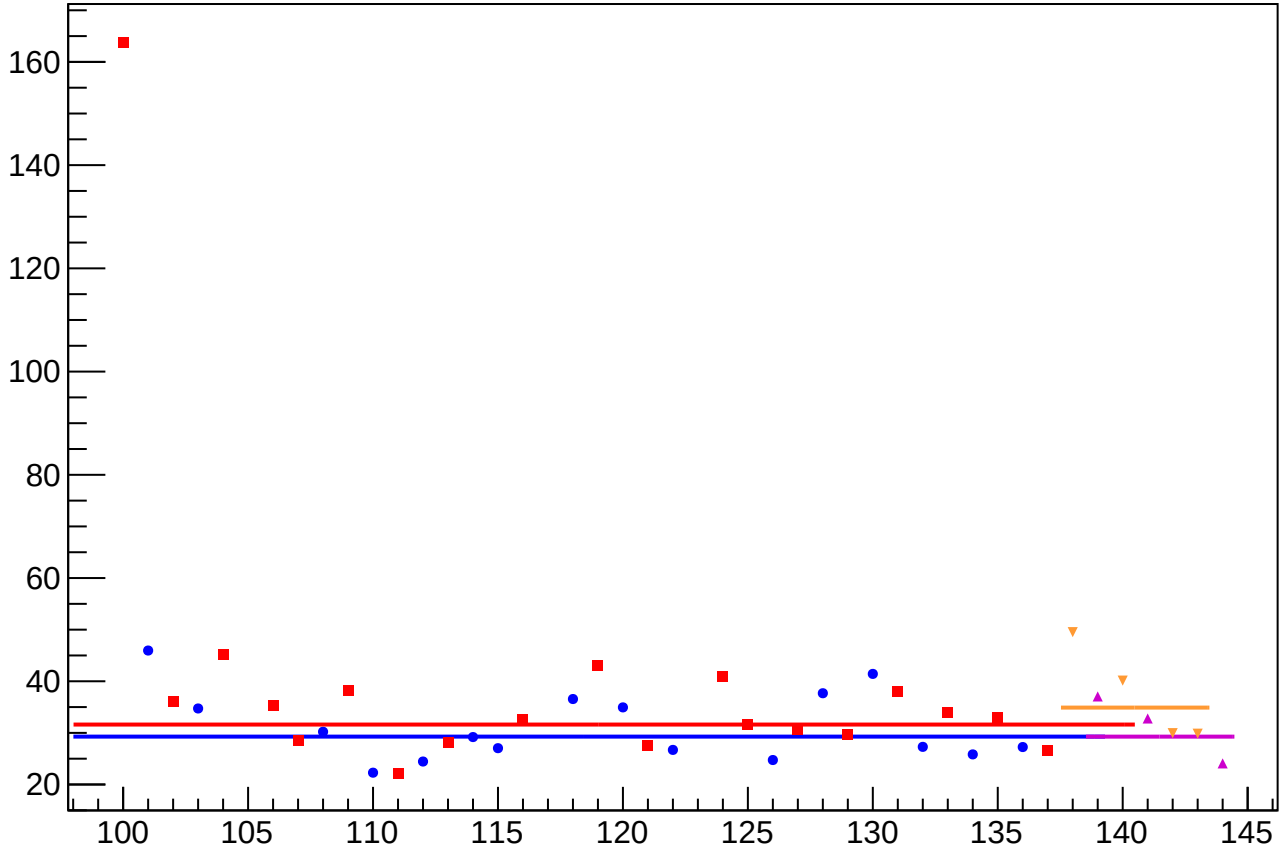
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.010 χ^2/NDF:22.1/18

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.010+/-0.007 χ^2/NDF: 48.9/41

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 34.900+/-0.015 χ^2/NDF:225881.2/3

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.274+/-0.013 χ^2/NDF:170252.7/2

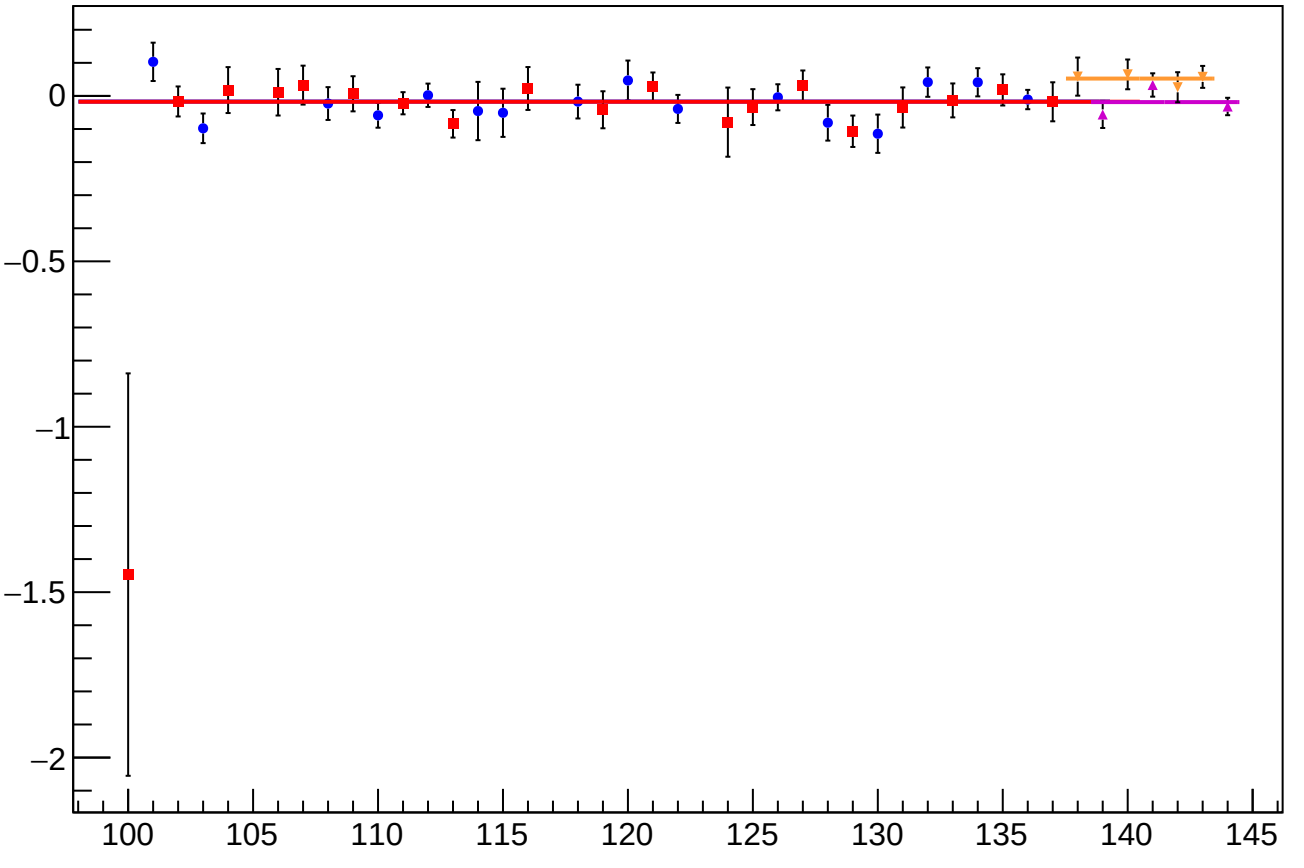
Left: 31.718+/-0.010 χ^2/NDF: 474427.6/6

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.277+/-0.007 χ^2/NDF:730906.9/18

Out: 32.411+/-0.007 χ^2/NDF:833850.5/22

All: 30.716+/-0.005 χ^2/NDF: 1660491.2/41



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.019+/-0.019 χ^2/NDF:3.2/2

Left: 0.012+/-0.014 χ^2/NDF: 9.9/6

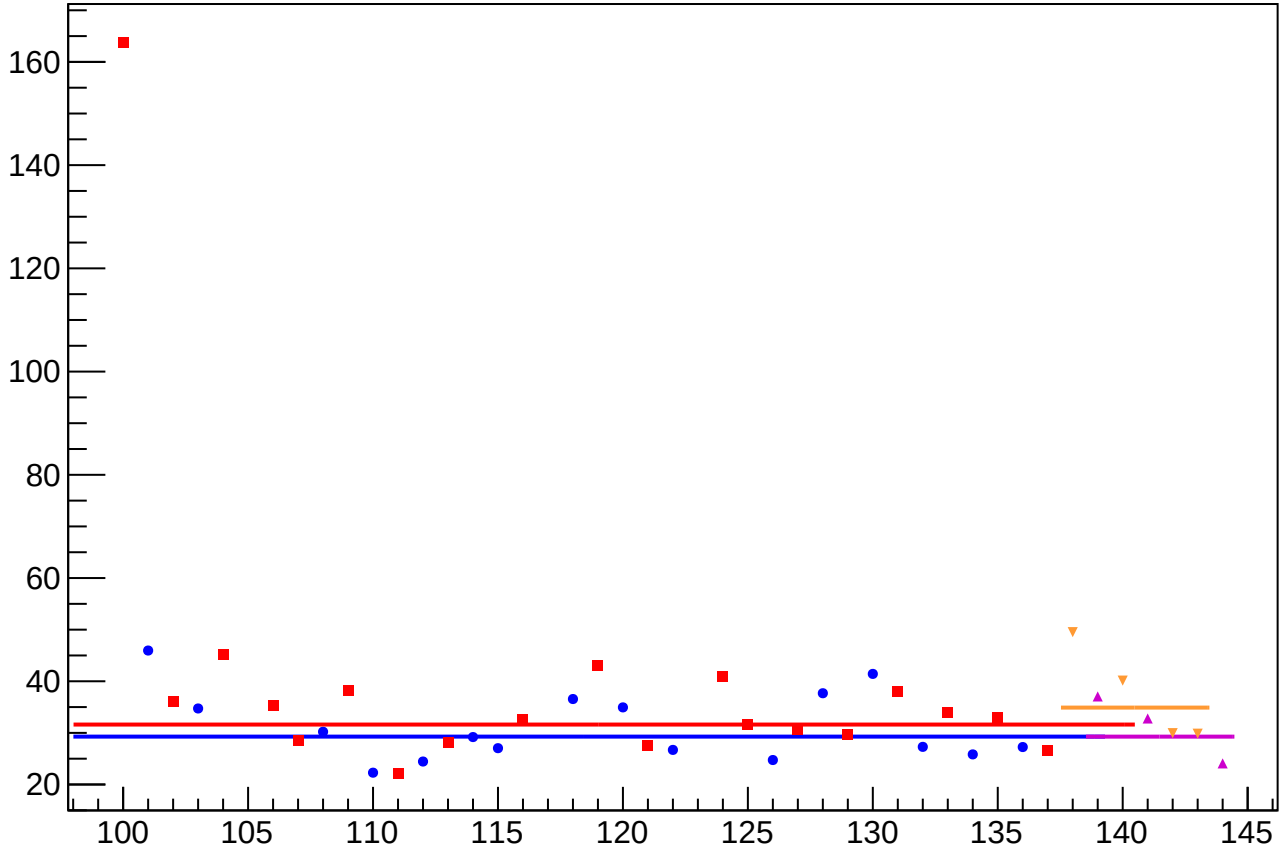
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.010 χ^2/NDF:22.1/18

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.010+/-0.007 χ^2/NDF: 48.9/41

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: 34.900+/-0.015 χ^2/NDF:225881.2/3

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 29.274+/-0.013 χ^2/NDF:170252.7/2

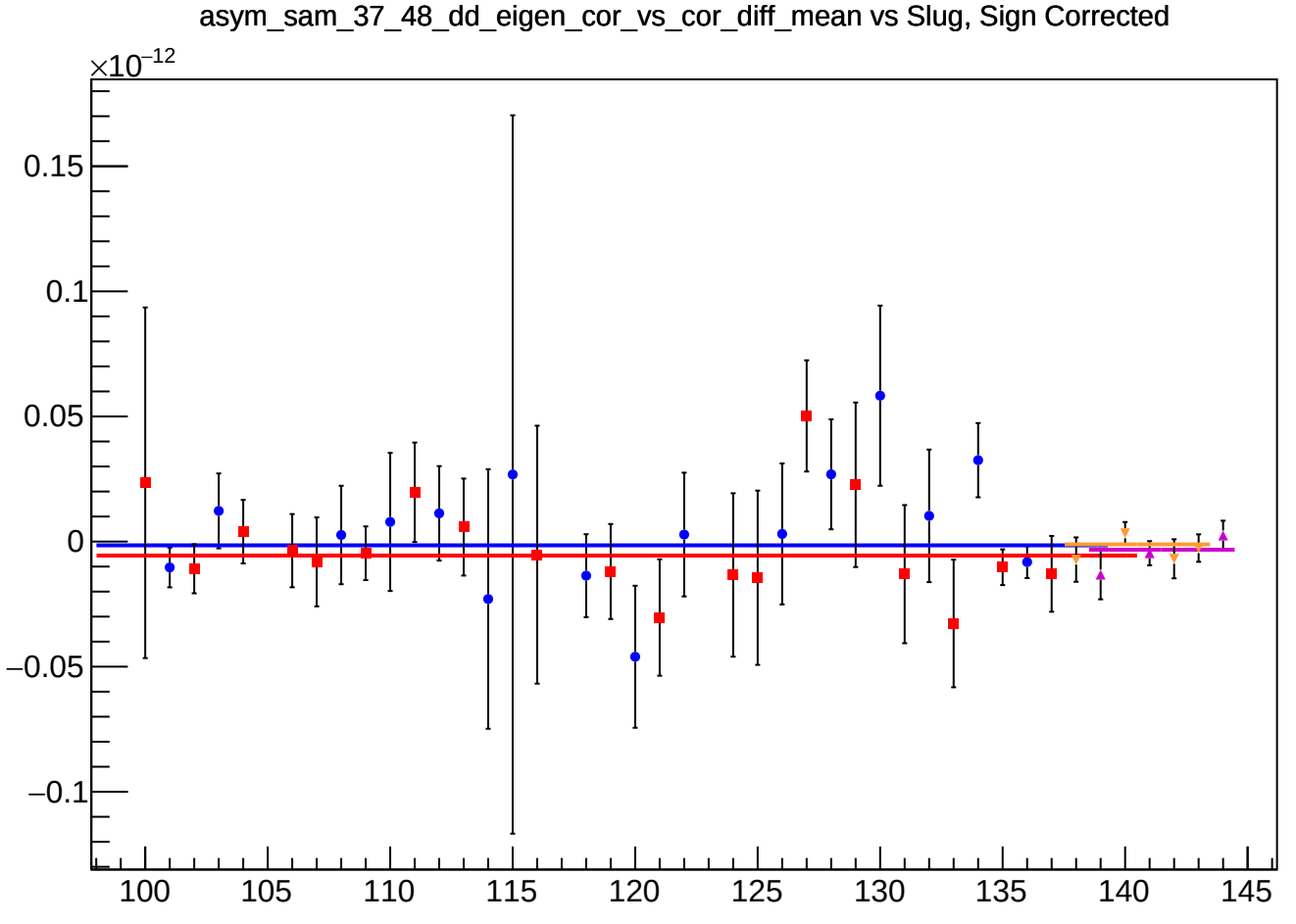
Left: 31.718+/-0.010 χ^2/NDF: 474427.6/6

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.277+/-0.007 χ^2/NDF:730906.9/18

Out: 32.411+/-0.007 χ^2/NDF:833850.5/22

All: 30.716+/-0.005 χ^2/NDF: 1660491.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/2

Left: -0.000+/-0.000 χ^2/NDF: 4.3/6

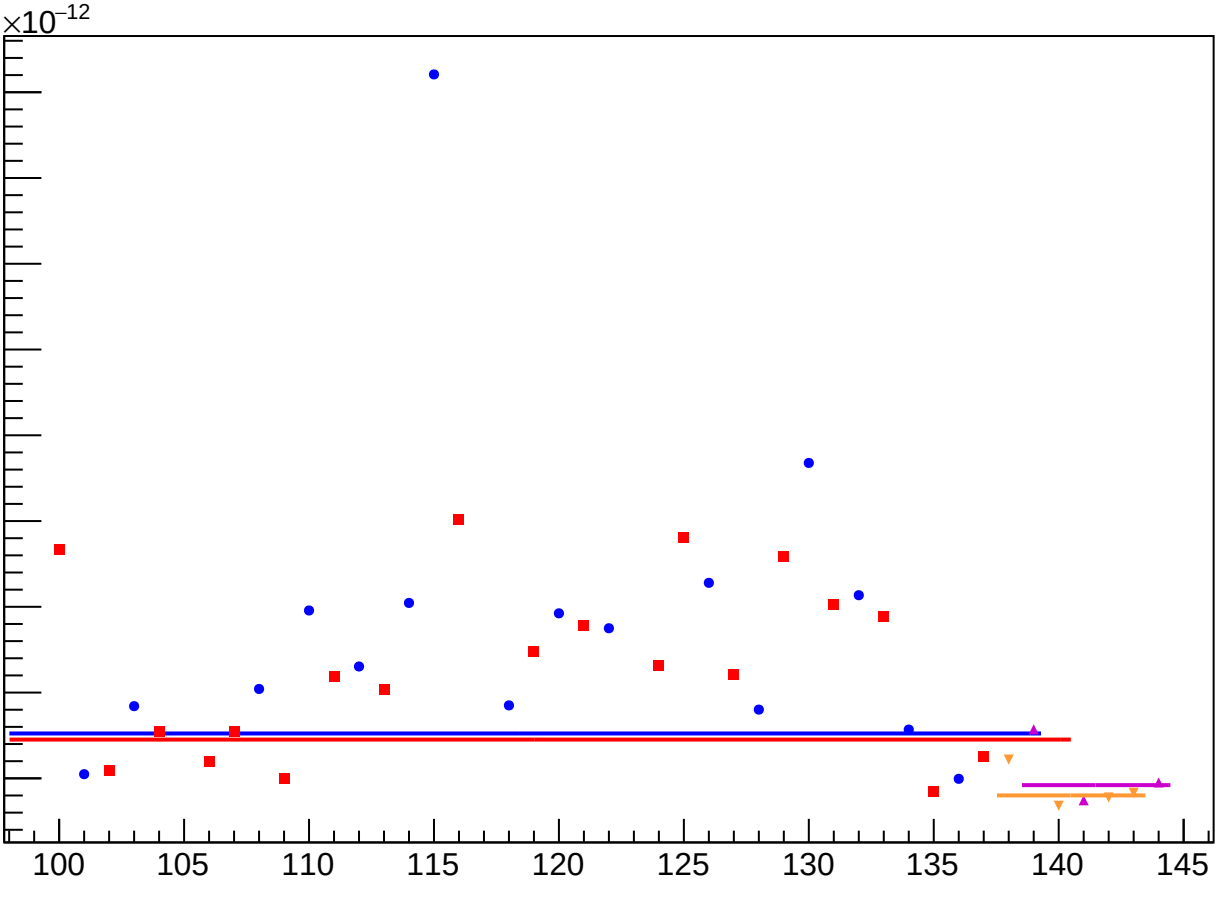
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:19.1/18

Out: -0.000+/-0.000 χ^2/NDF:16.3/22

All: -0.000+/-0.000 χ^2/NDF: 35.4/41

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:149304.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:285520.8/2

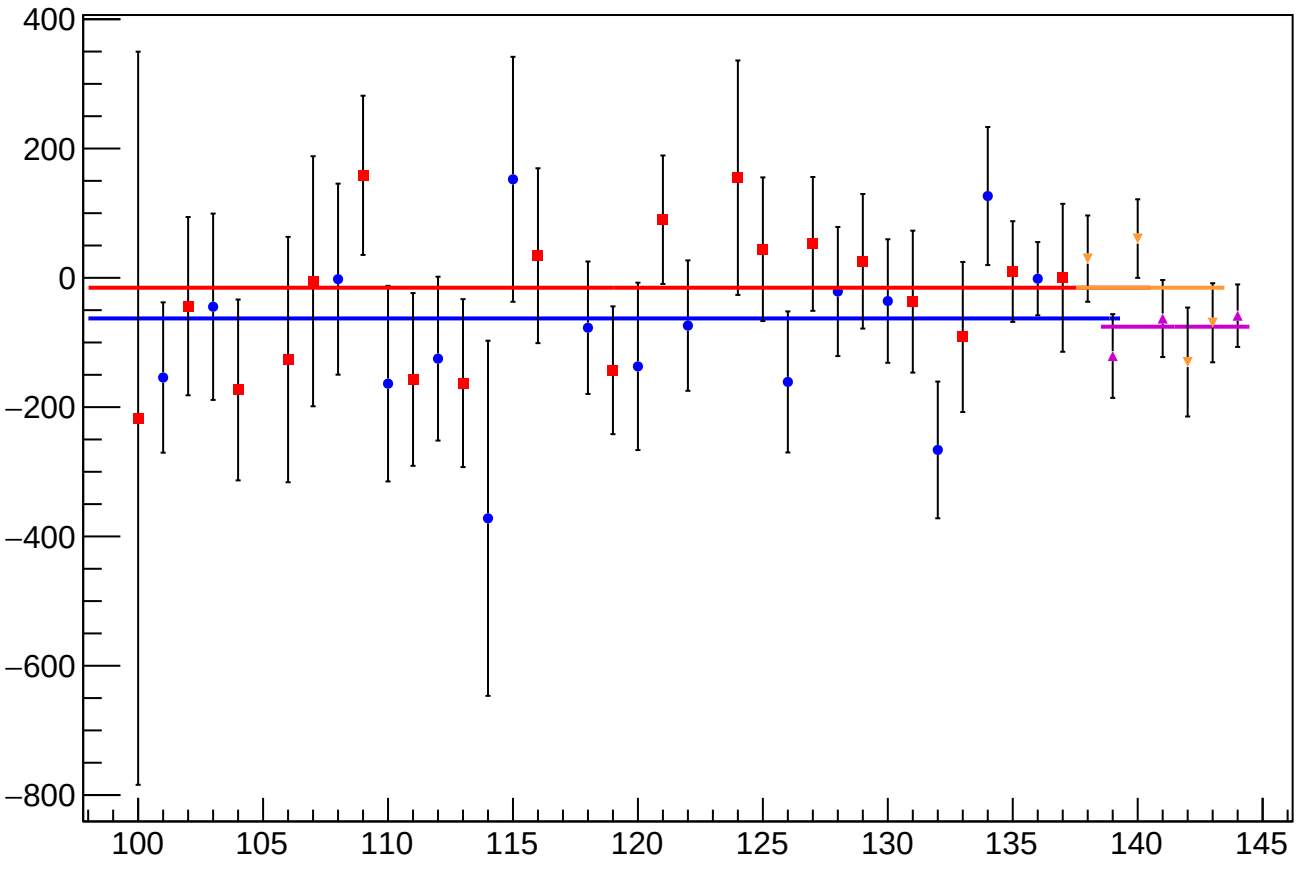
Left: 0.000+/-0.000 χ^2/NDF: 468832.8/6

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2981790.6/18

Out: 0.000+/-0.000 χ^2/NDF:3099565.1/22

All: 0.000+/-0.000 χ^2/NDF: 6155250.3/41



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.296+/-33.268 χ^2/NDF:4.7/3

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -75.561+/-32.480 χ^2/NDF:0.7/2

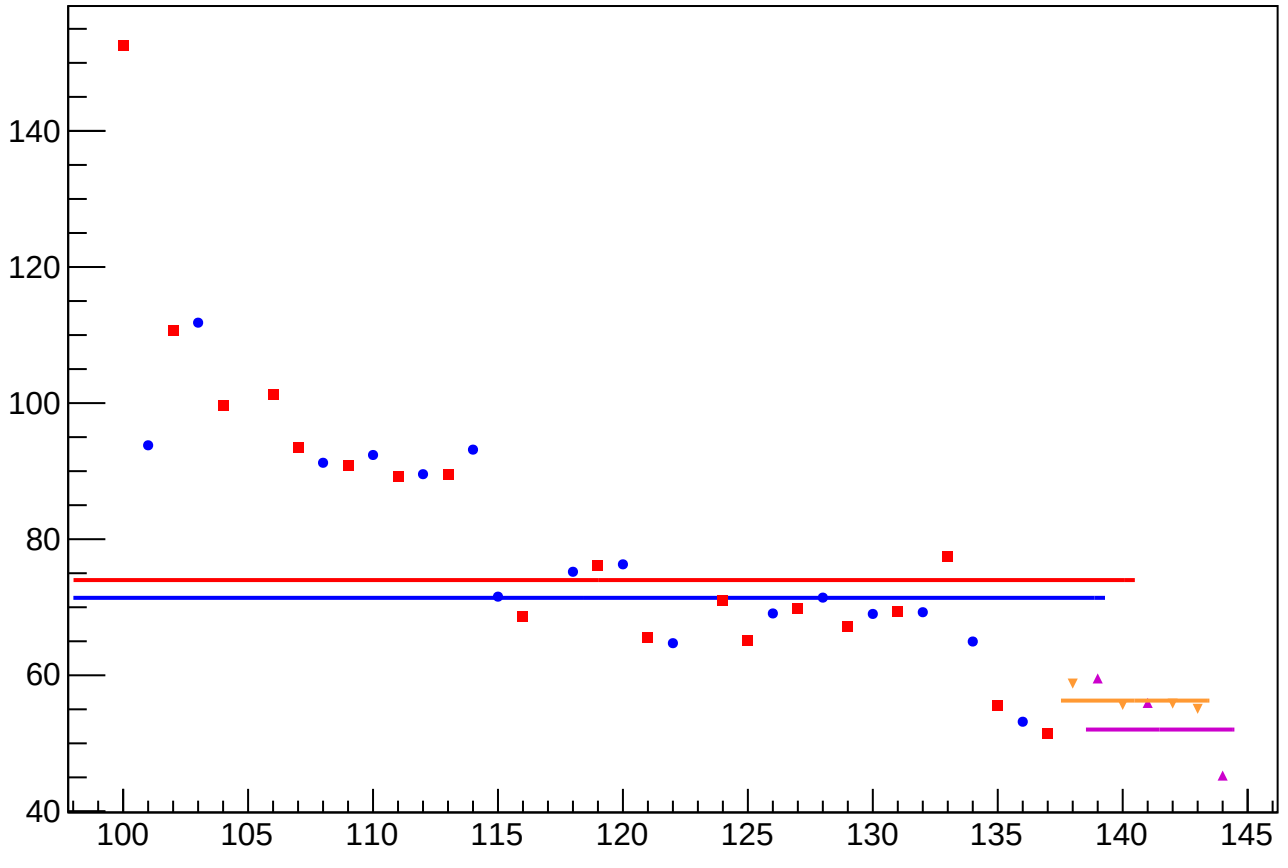
Left: -46.151+/-23.240 χ^2/NDF: 7.0/6

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -68.062+/-20.859 χ^2/NDF:14.2/18

Out: -15.291+/-21.319 χ^2/NDF:16.1/22

All: -42.251+/-14.910 χ^2/NDF: 33.5/41



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

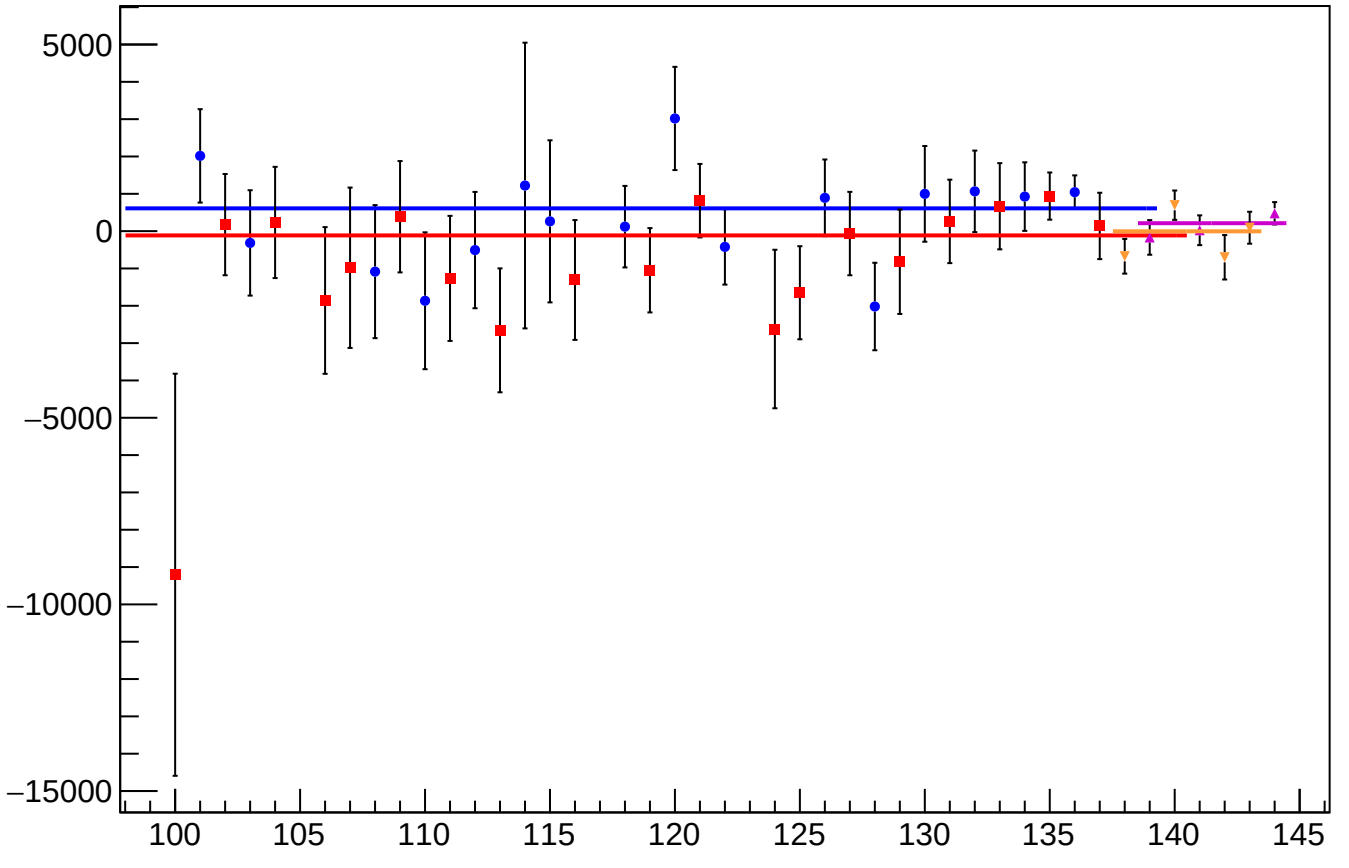
Left: 54.104+/-0.016 χ^2/NDF: 95290.9/6

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 63.400+/-0.015 χ^2/NDF:1082885.8/18

Out: 66.721+/-0.015 χ^2/NDF:976359.0/22

All: 65.024+/-0.011 χ^2/NDF: 2084036.0/41



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -4.612+/-227.184 χ^2/NDF:6.7/3

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 212.812+/-212.795 χ^2/NDF:1.7/2

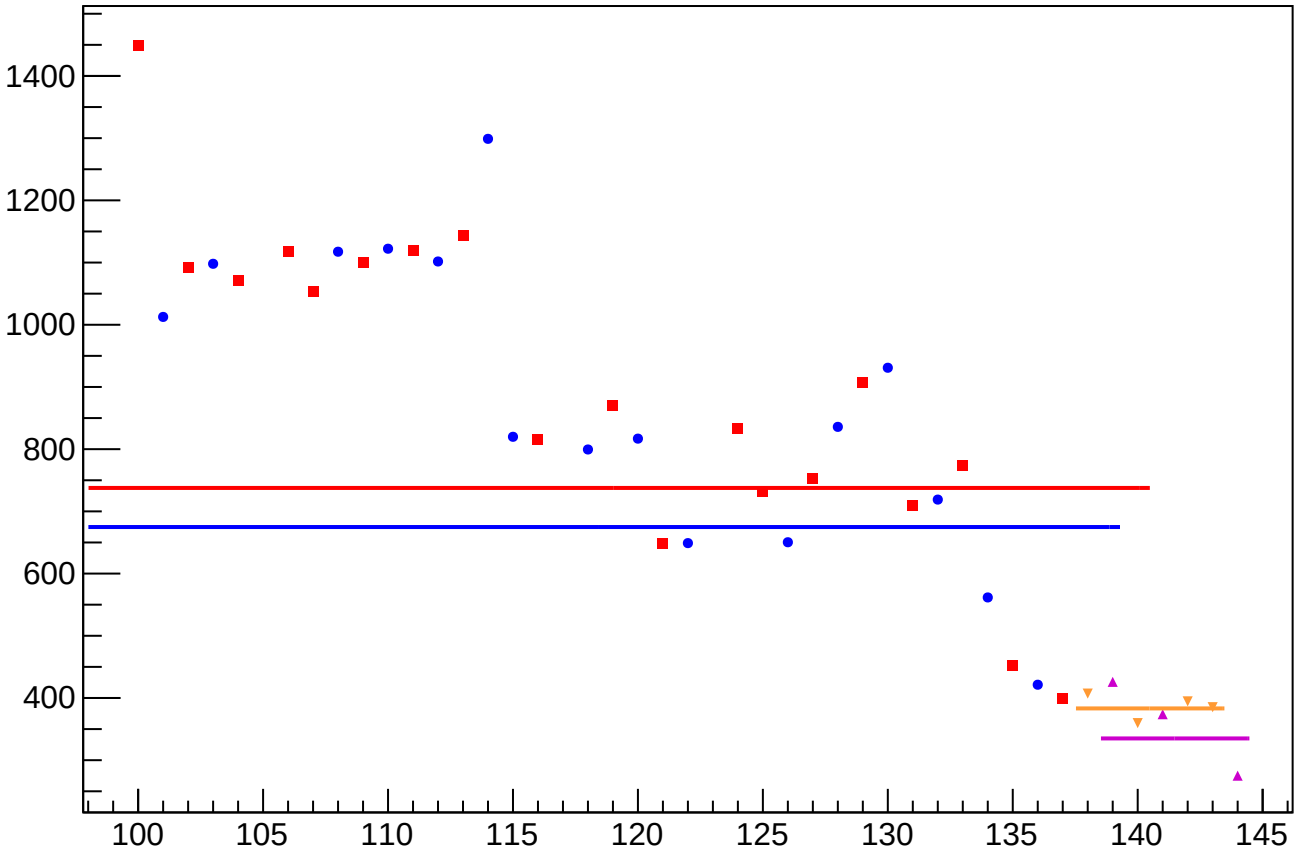
Left: 111.203+/-155.307 χ^2/NDF: 8.8/6

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 367.457+/-166.362 χ^2/NDF:18.7/18

Out: -47.486+/-177.482 χ^2/NDF:22.3/22

All: 173.391+/-121.376 χ^2/NDF: 43.9/41



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.2/3

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 334.969+/-0.150 χ^2/NDF:175852.1/2

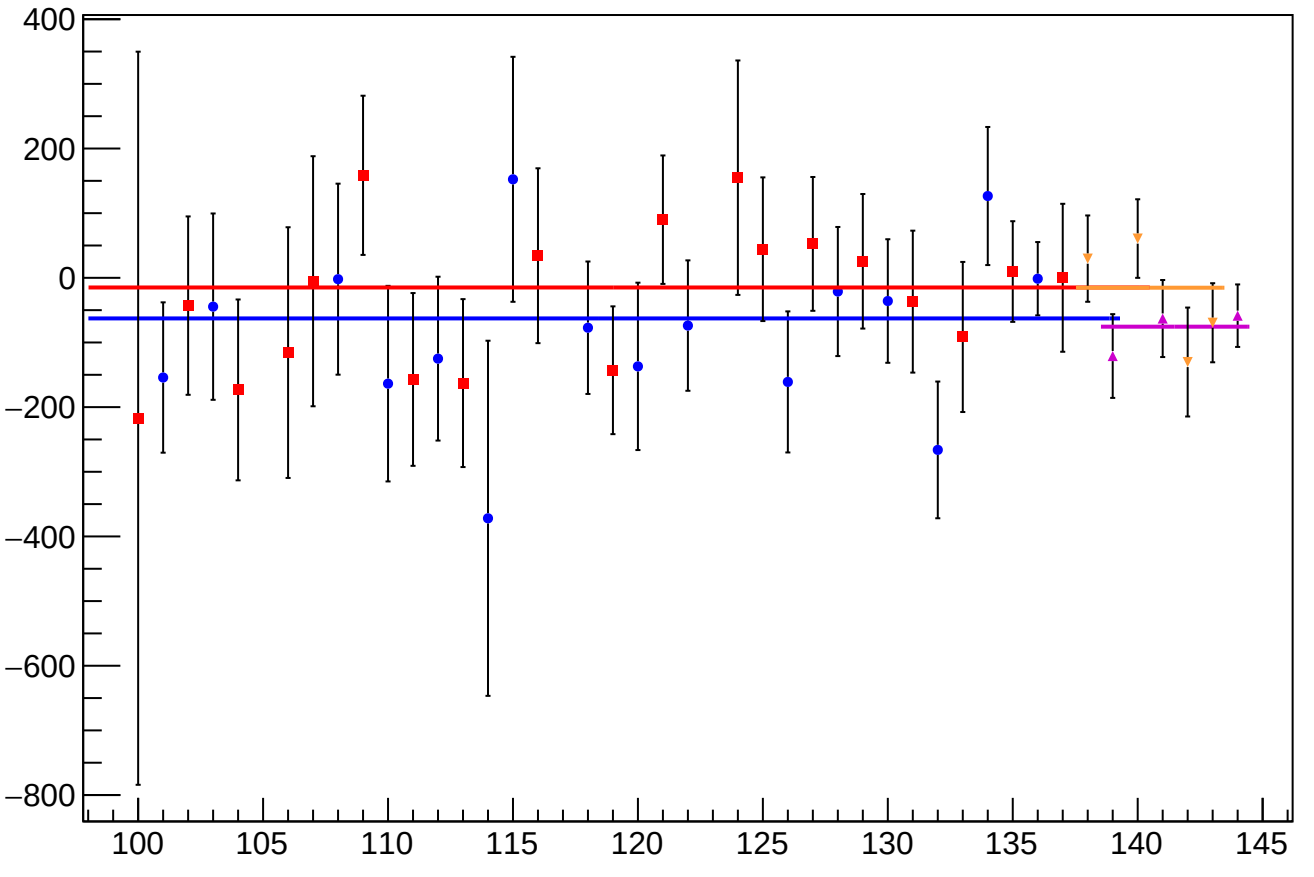
Left: 357.520+/-0.110 χ^2/NDF: 237166.4/6

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 467.108+/-0.118 χ^2/NDF:3776968.3/18

Out: 521.349+/-0.125 χ^2/NDF:3427152.7/22

All: 492.476+/-0.086 χ^2/NDF: 7303557.3/41



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -75.565+/-32.480 χ^2/NDF:0.7/2

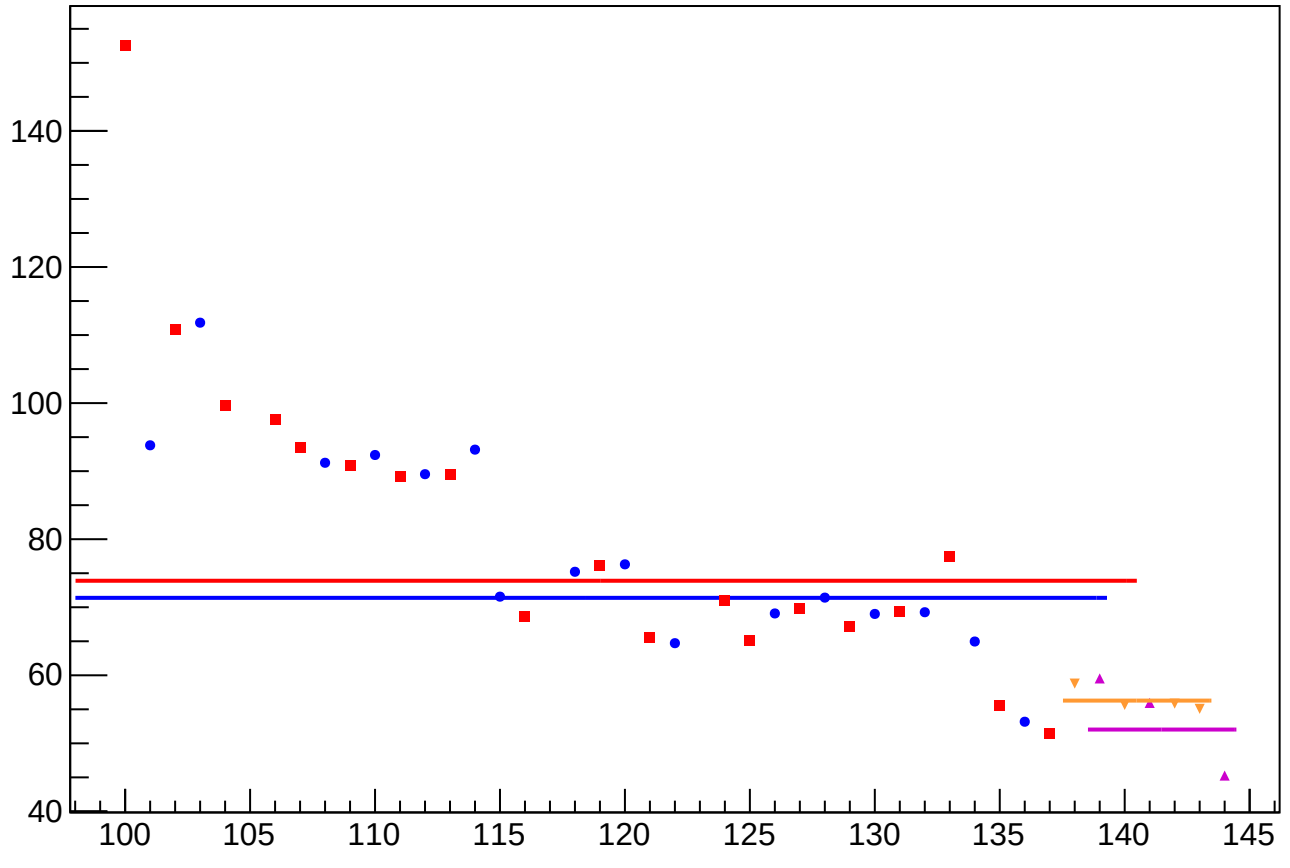
Left: -46.151+/-23.240 χ^2/NDF: 7.0/6

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -68.058+/-20.859 χ^2/NDF:14.2/18

Out: -15.081+/-21.325 χ^2/NDF:16.1/22

All: -42.154+/-14.912 χ^2/NDF: 33.4/41



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

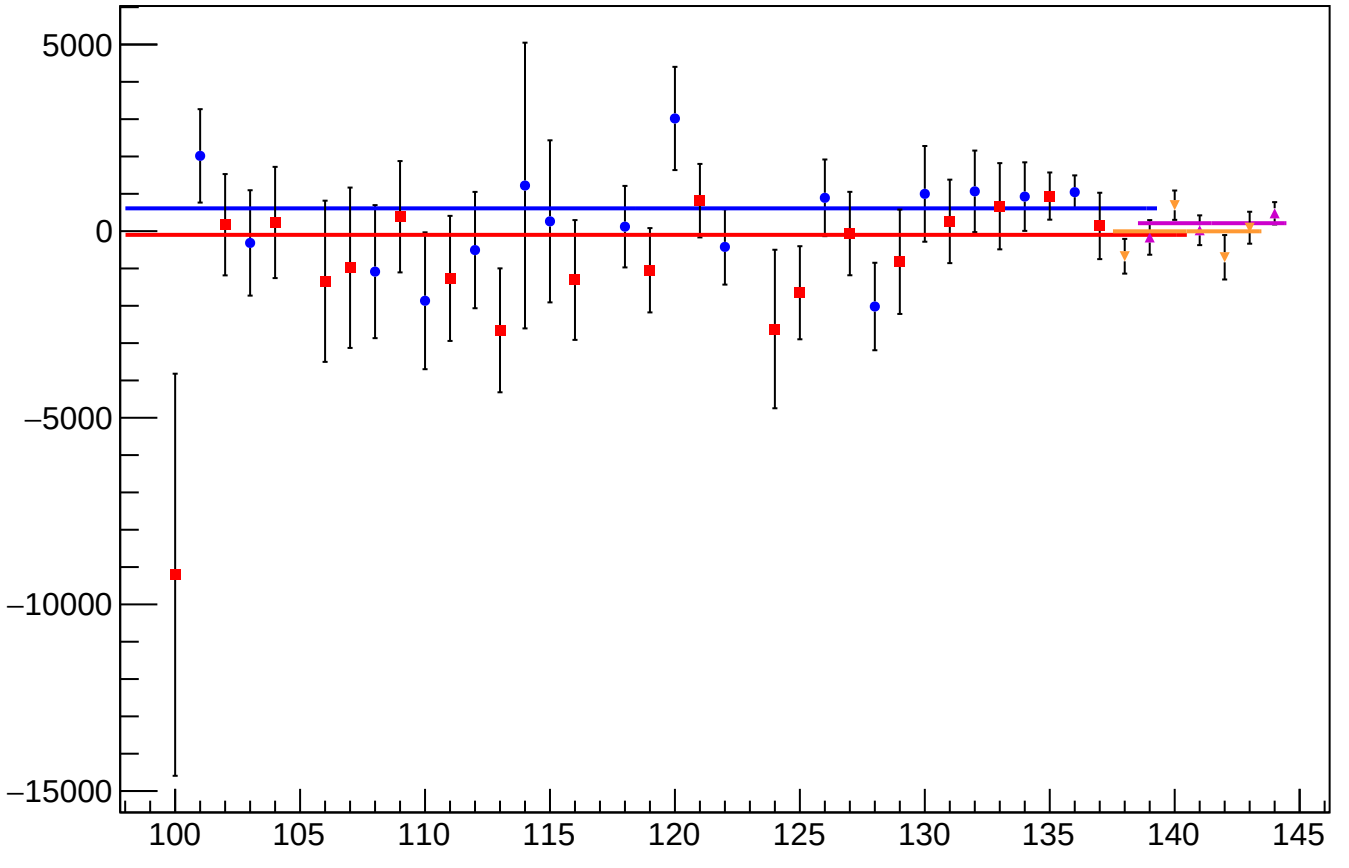
Left: 54.104+/-0.016 χ^2/NDF: 95290.9/6

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 63.400+/-0.015 χ^2/NDF:1082888.4/18

Out: 66.658+/-0.015 χ^2/NDF:961046.2/22

All: 64.993+/-0.011 χ^2/NDF: 2067789.4/41



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 212.804+/-212.795 χ^2/NDF:1.7/2

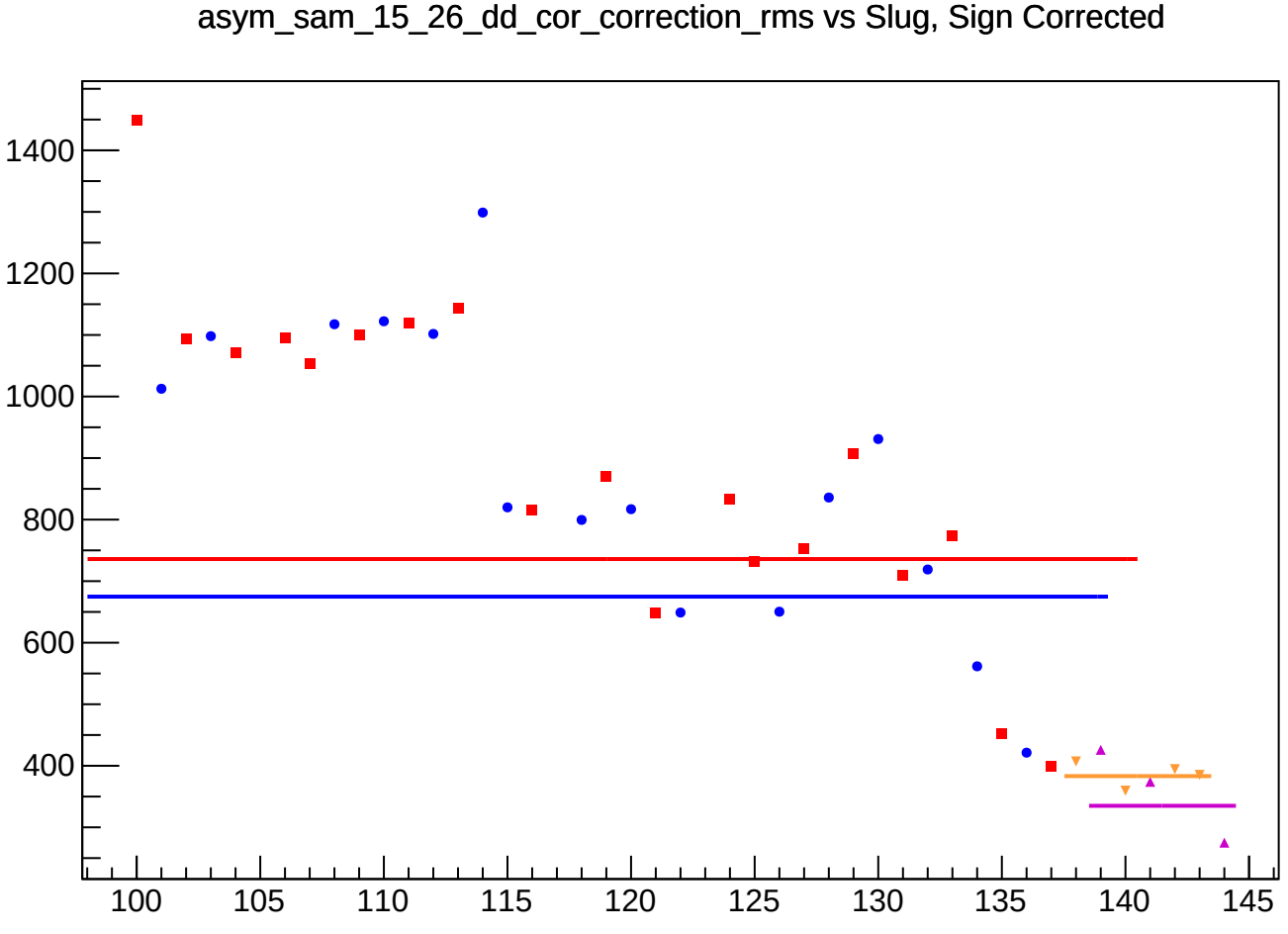
Left: 111.199+/-155.307 χ^2/NDF: 8.8/6

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.447+/-166.362 χ^2/NDF:18.7/18

Out: -41.527+/-177.608 χ^2/NDF:21.8/22

All: 176.317+/-121.417 χ^2/NDF: 43.4/41



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 334.970+/-0.150 χ^2/NDF:175852.4/2

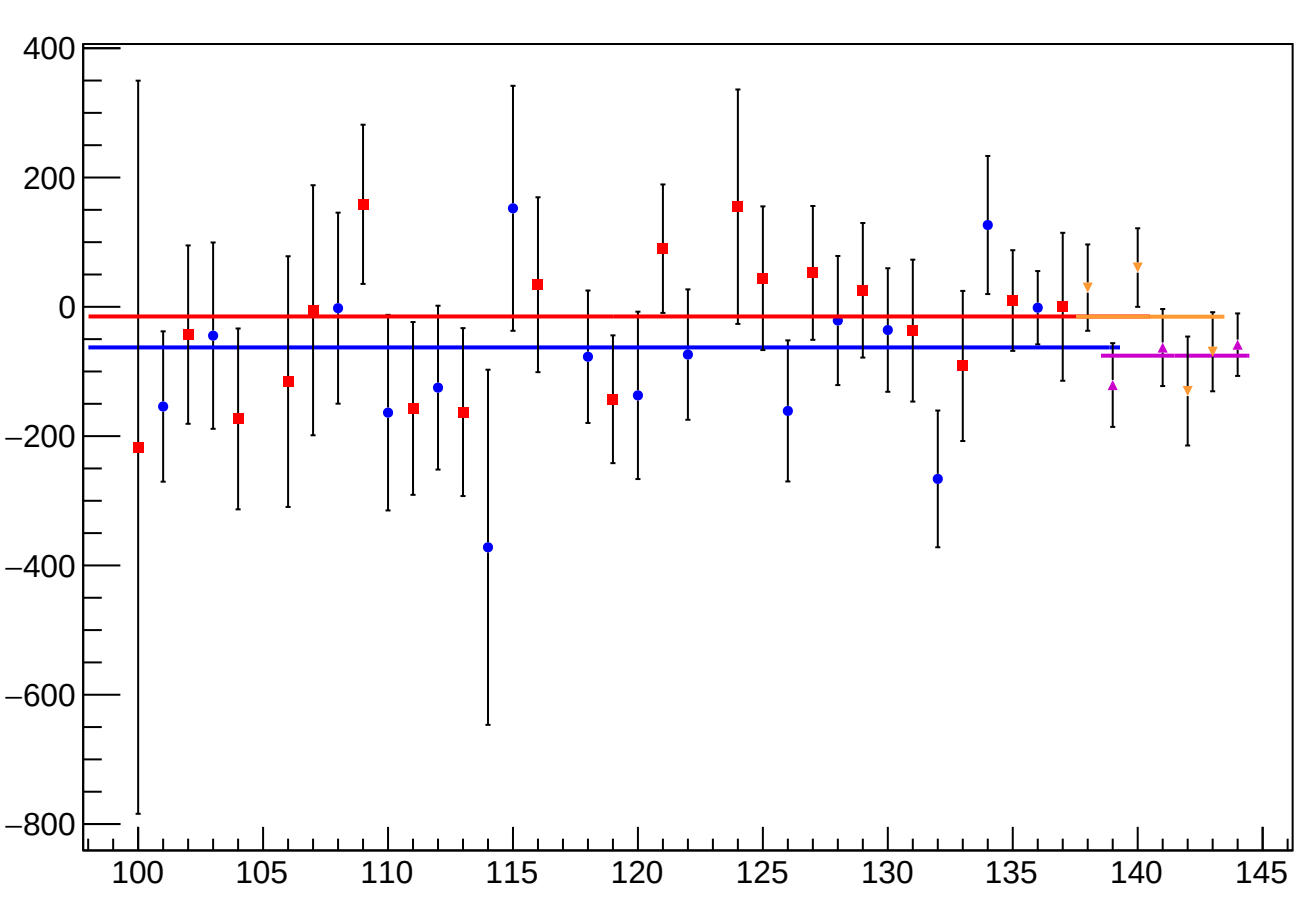
Left: 357.520+/-0.110 χ^2/NDF: 237166.9/6

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 467.108+/-0.118 χ^2/NDF:3776991.4/18

Out: 520.360+/-0.126 χ^2/NDF:3384461.5/22

All: 491.994+/-0.086 χ^2/NDF: 7257221.1/41



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -75.565+/-32.480 χ^2/NDF:0.7/2

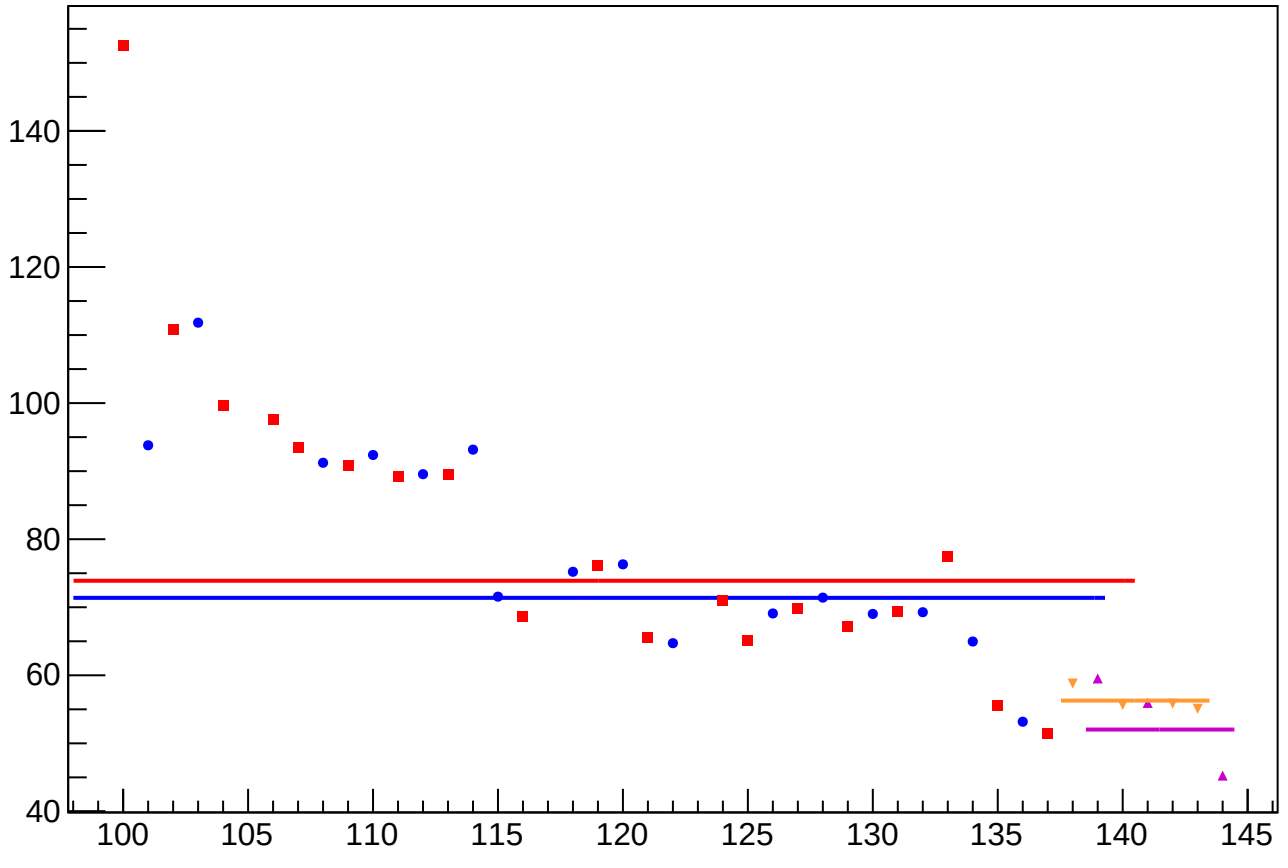
Left: -46.151+/-23.240 χ^2/NDF: 7.0/6

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -68.058+/-20.859 χ^2/NDF:14.2/18

Out: -15.081+/-21.325 χ^2/NDF:16.1/22

All: -42.154+/-14.912 χ^2/NDF: 33.4/41



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.028+/-0.023 χ^2/NDF:74674.6/2

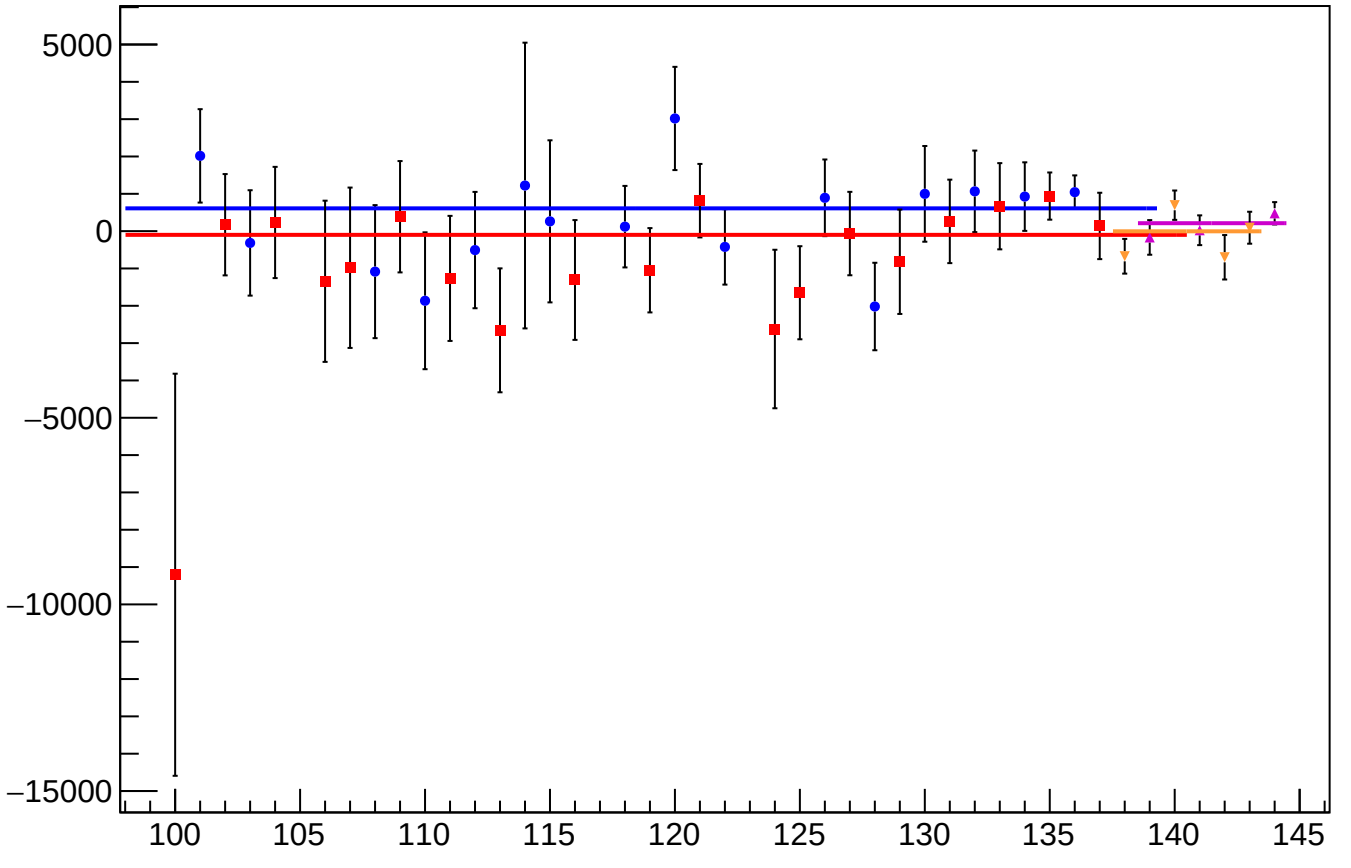
Left: 54.104+/-0.016 χ^2/NDF: 95290.9/6

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 63.400+/-0.015 χ^2/NDF:1082888.4/18

Out: 66.658+/-0.015 χ^2/NDF:961046.2/22

All: 64.993+/-0.011 χ^2/NDF: 2067789.4/41



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 212.804+/-212.795 χ^2/NDF:1.7/2

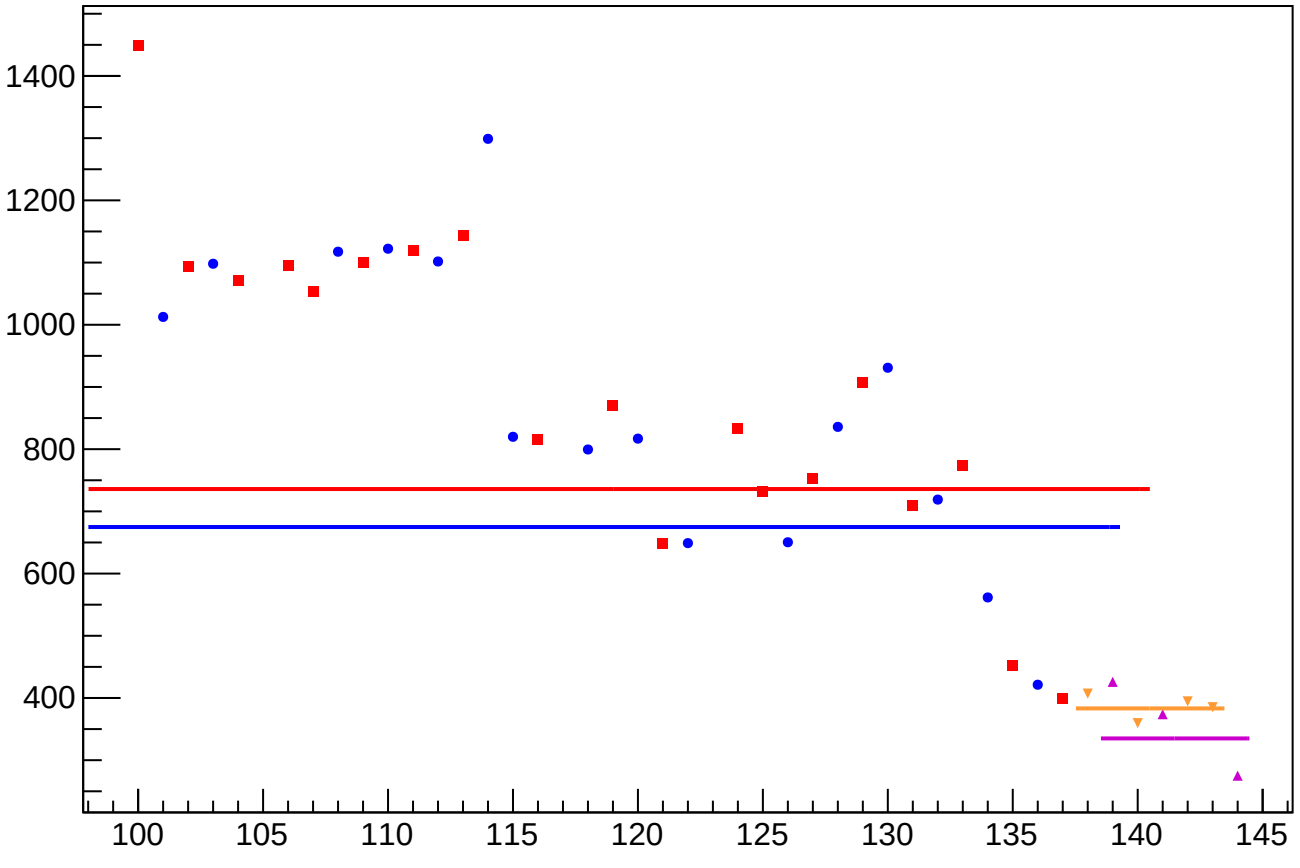
Left: 111.199+/-155.307 χ^2/NDF: 8.8/6

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.447+/-166.362 χ^2/NDF:18.7/18

Out: -41.527+/-177.608 χ^2/NDF:21.8/22

All: 176.317+/-121.417 χ^2/NDF: 43.4/41



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 334.970+/-0.150 χ^2/NDF:175852.4/2

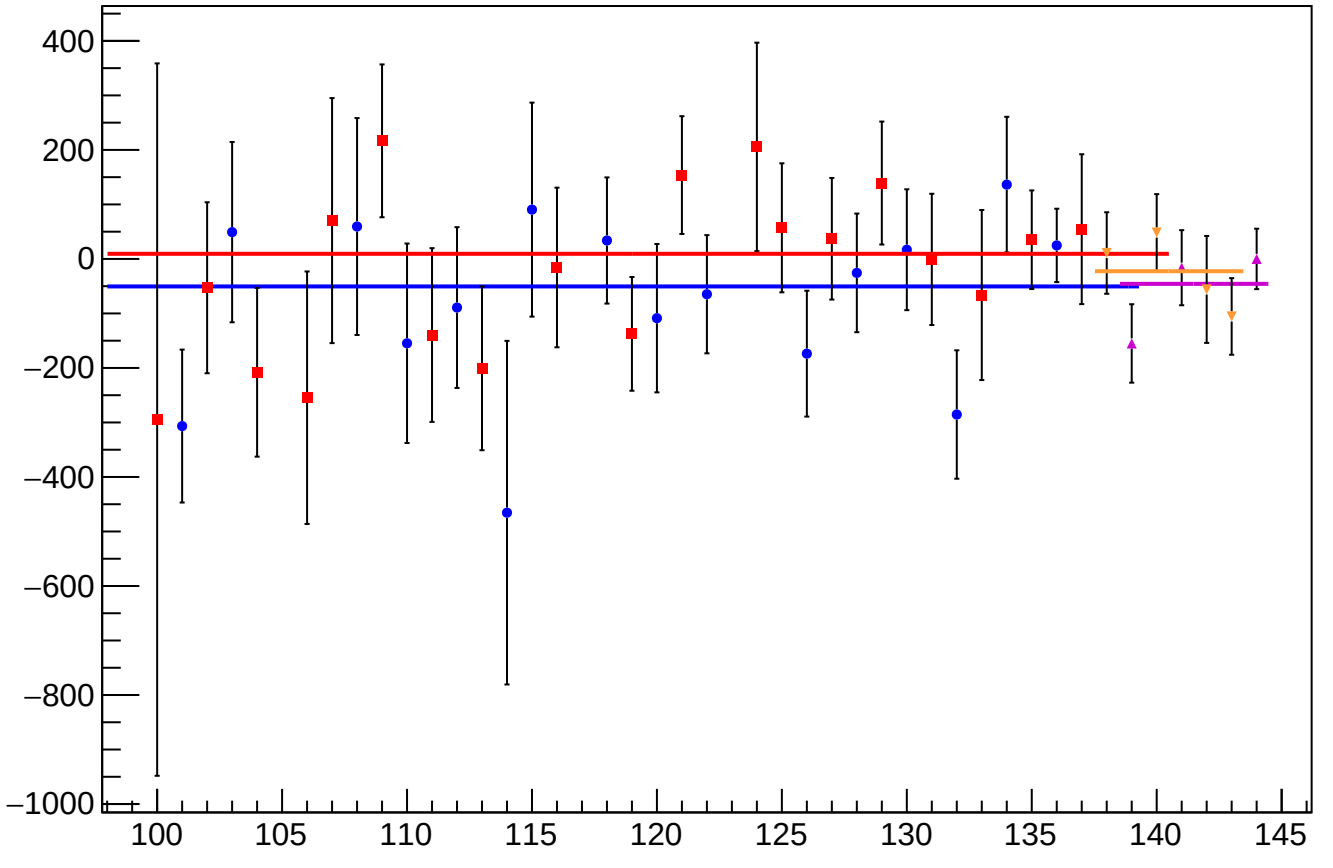
Left: 357.520+/-0.110 χ^2/NDF: 237166.9/6

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 467.108+/-0.118 χ^2/NDF:3776991.4/18

Out: 520.360+/-0.126 χ^2/NDF:3384461.5/22

All: 491.994+/-0.086 χ^2/NDF: 7257221.1/41



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -45.702+/-37.026 χ^2/NDF:3.2/2

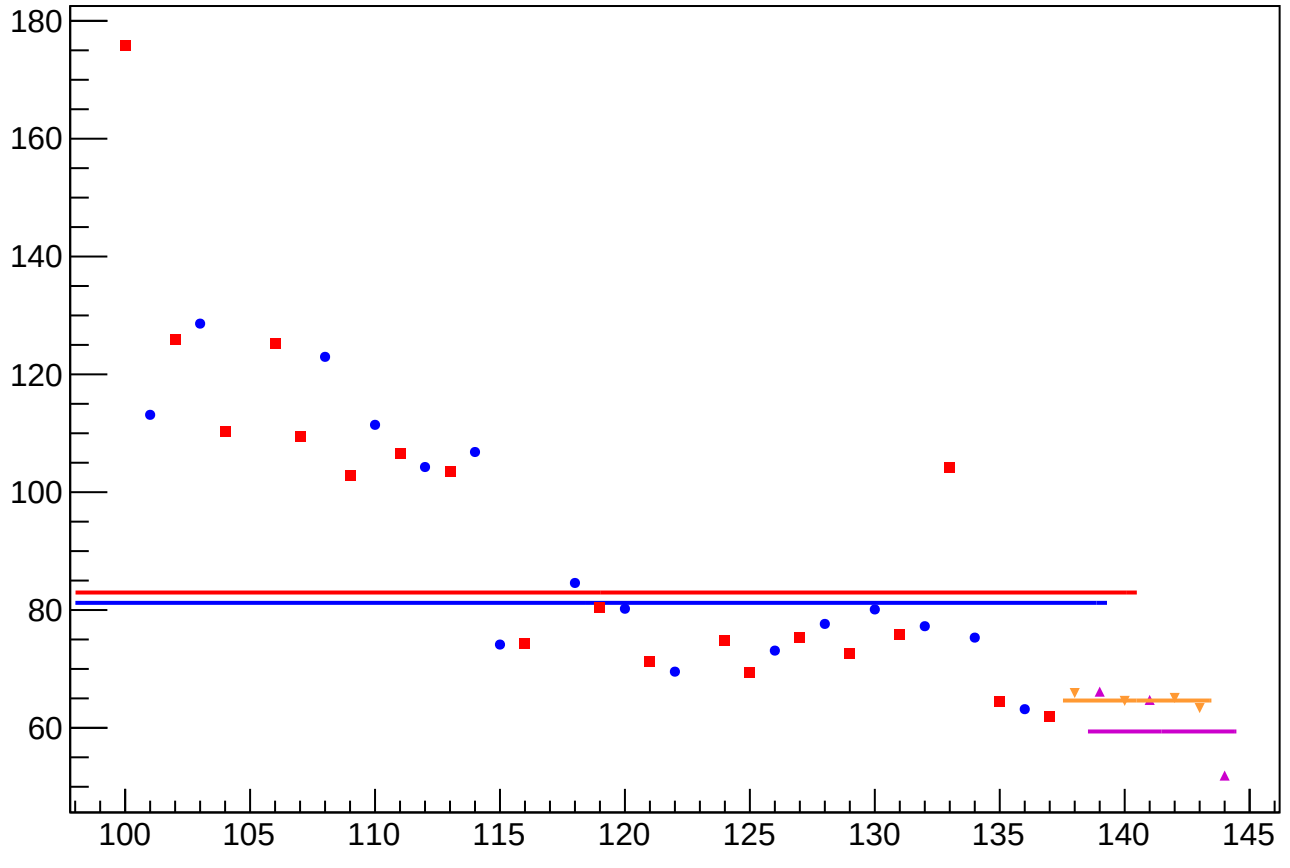
Left: -34.467+/-26.574 χ^2/NDF: 6.1/6

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -48.498+/-23.797 χ^2/NDF:19.6/18

Out: -3.422+/-24.171 χ^2/NDF:18.7/22

All: -26.311+/-16.958 χ^2/NDF: 40.1/41



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.638+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 59.385+/-0.026 χ^2/NDF:66222.6/2

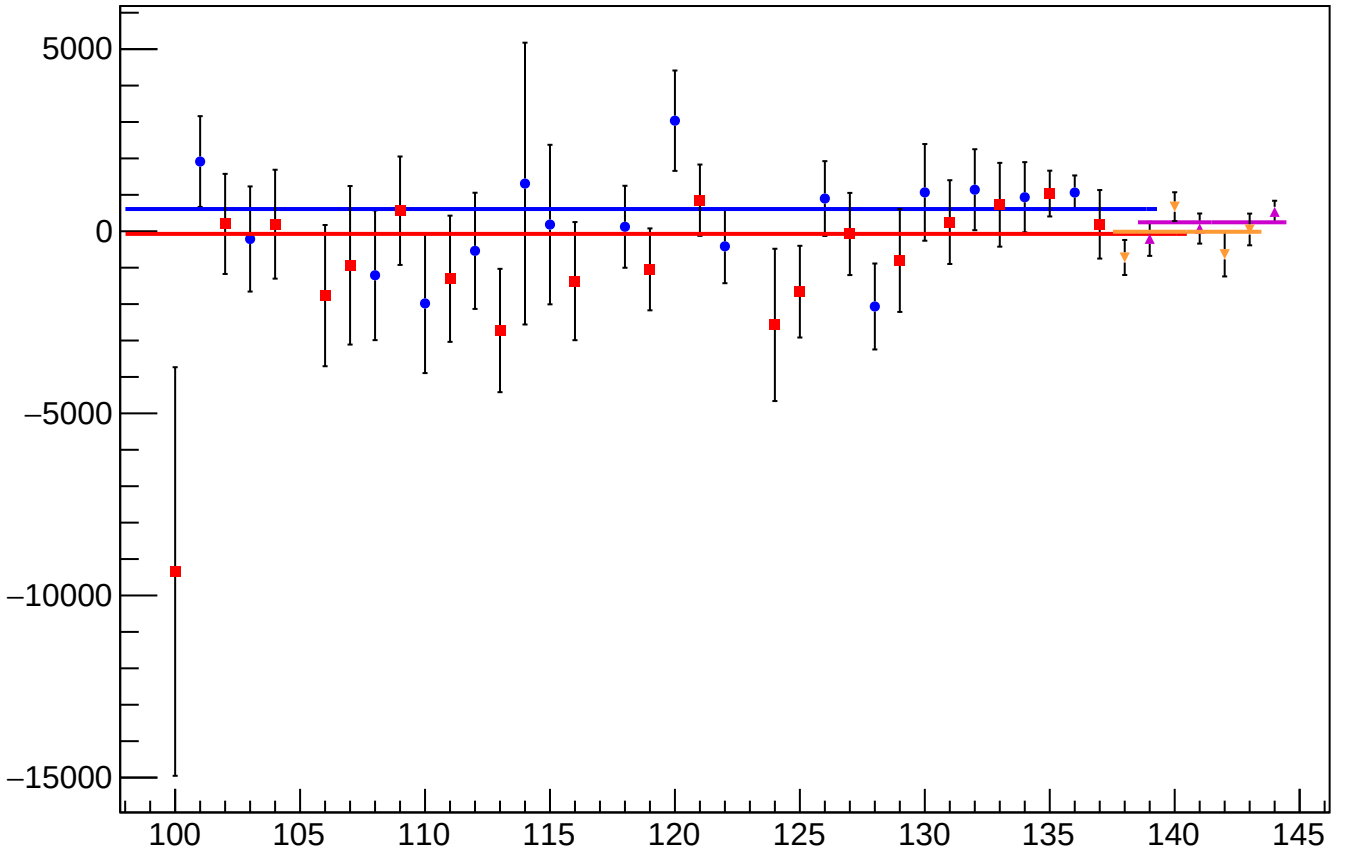
Left: 61.932+/-0.019 χ^2/NDF: 87026.5/6

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 72.200+/-0.017 χ^2/NDF:1137252.7/18

Out: 75.617+/-0.017 χ^2/NDF:1008050.1/22

All: 73.882+/-0.012 χ^2/NDF: 2165597.8/41



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -13.593+/-231.396 χ^2/NDF:6.2/3

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 245.875+/-217.371 χ^2/NDF:2.0/2

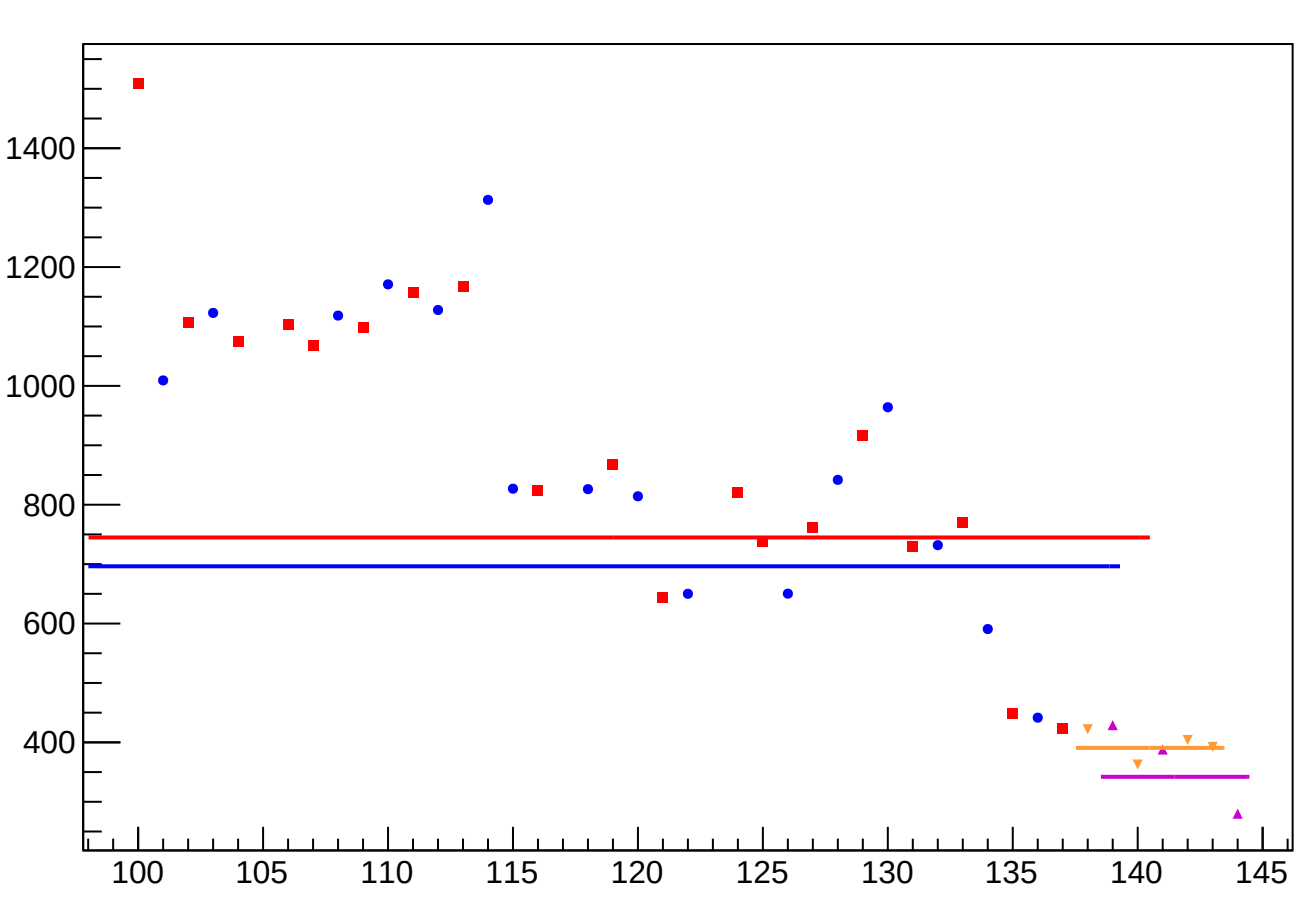
Left: 124.242+/-158.431 χ^2/NDF: 8.9/6

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 386.682+/-170.287 χ^2/NDF:18.9/18

Out: -36.742+/-180.097 χ^2/NDF:22.4/22

All: 186.816+/-123.734 χ^2/NDF: 44.2/41



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 390.765+/-0.164 χ^2/NDF:19570.4/3

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 342.056+/-0.154 χ^2/NDF:176546.4/2

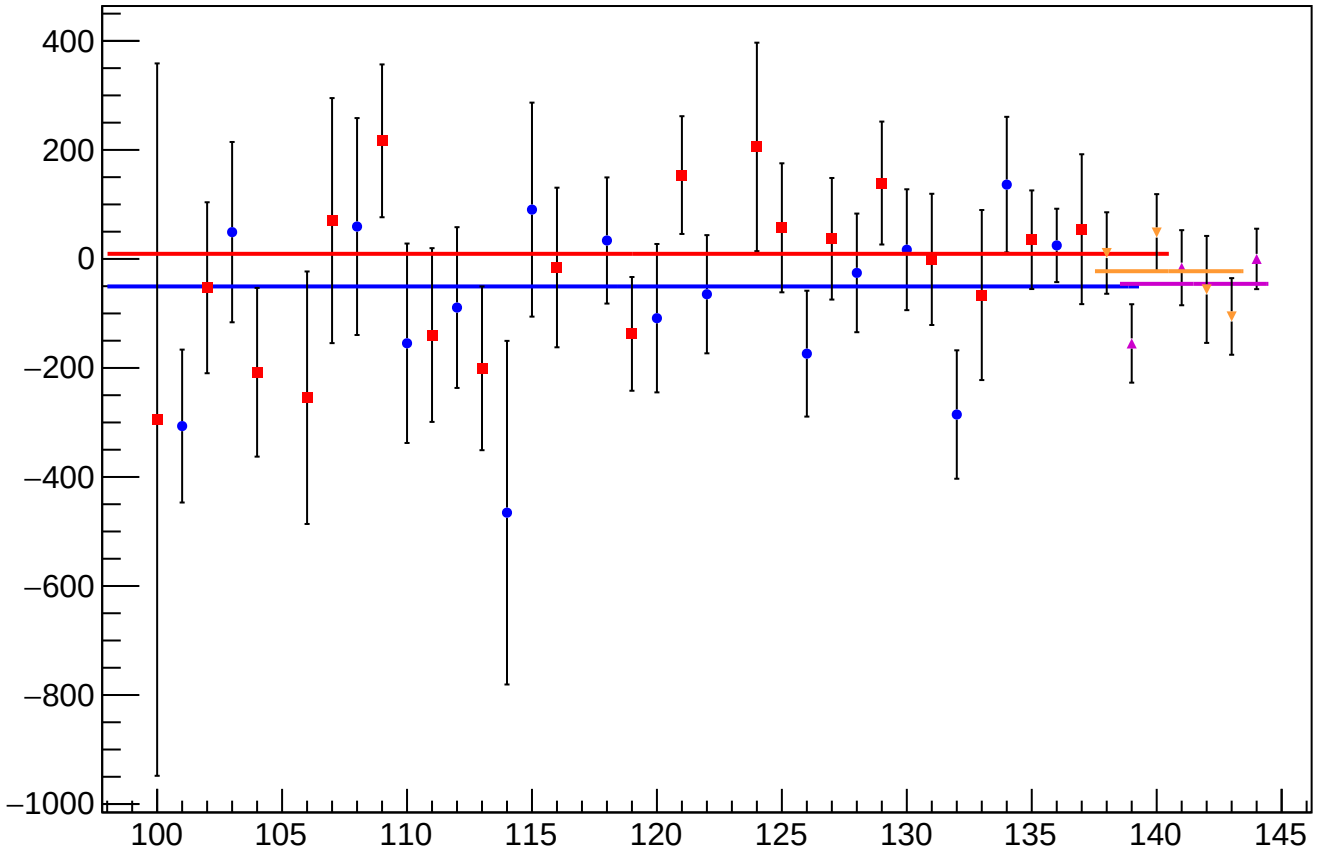
Left: 364.889+/-0.112 χ^2/NDF: 243194.7/6

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 478.926+/-0.120 χ^2/NDF:3744727.3/18

Out: 530.369+/-0.127 χ^2/NDF:3364464.4/22

All: 503.208+/-0.087 χ^2/NDF: 7195350.1/41



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -45.701+/-37.027 χ^2/NDF:3.2/2

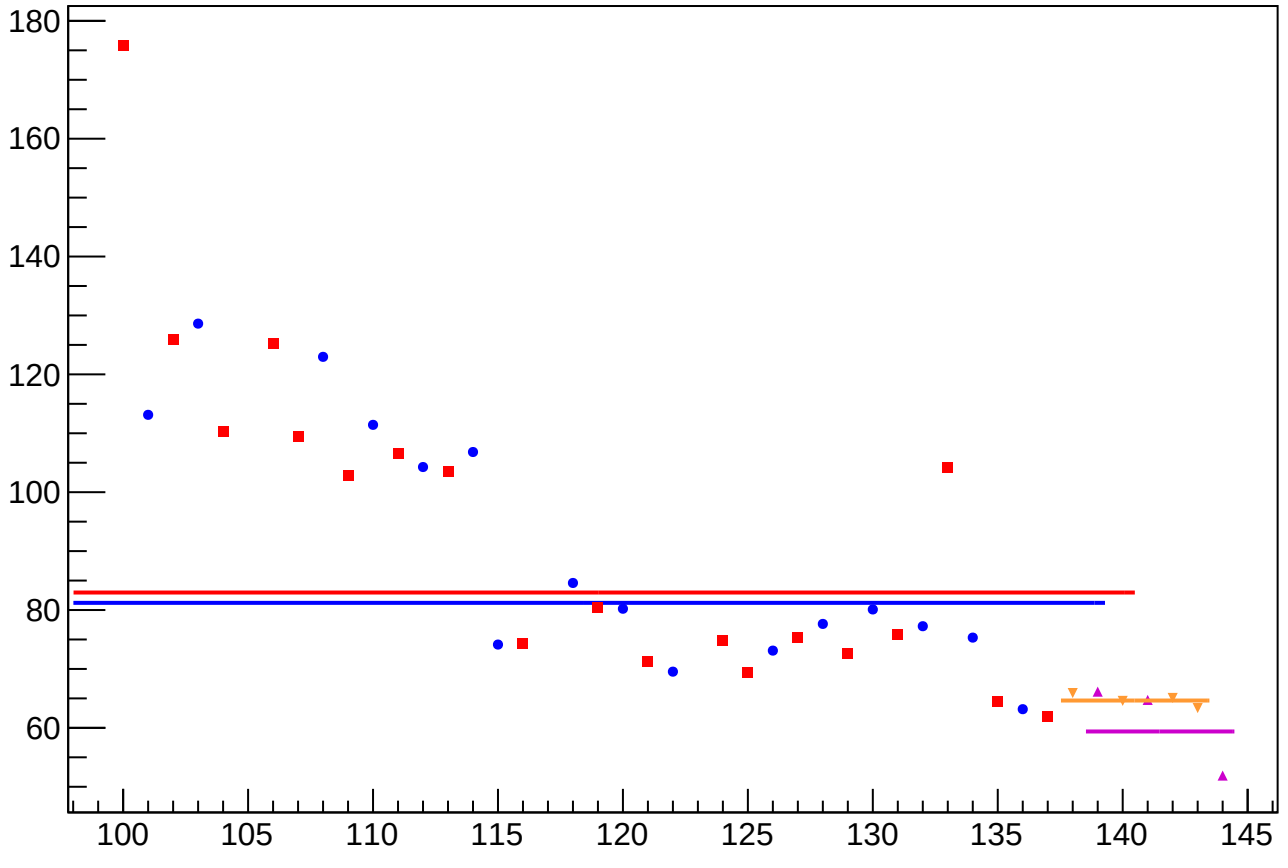
Left: -34.466+/-26.574 χ^2/NDF: 6.1/6

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -48.498+/-23.797 χ^2/NDF:19.6/18

Out: -3.421+/-24.171 χ^2/NDF:18.7/22

All: -26.311+/-16.958 χ^2/NDF: 40.1/41



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.639+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 59.385+/-0.026 χ^2/NDF:66223.8/2

Left: 61.933+/-0.019 χ^2/NDF: 87026.8/6

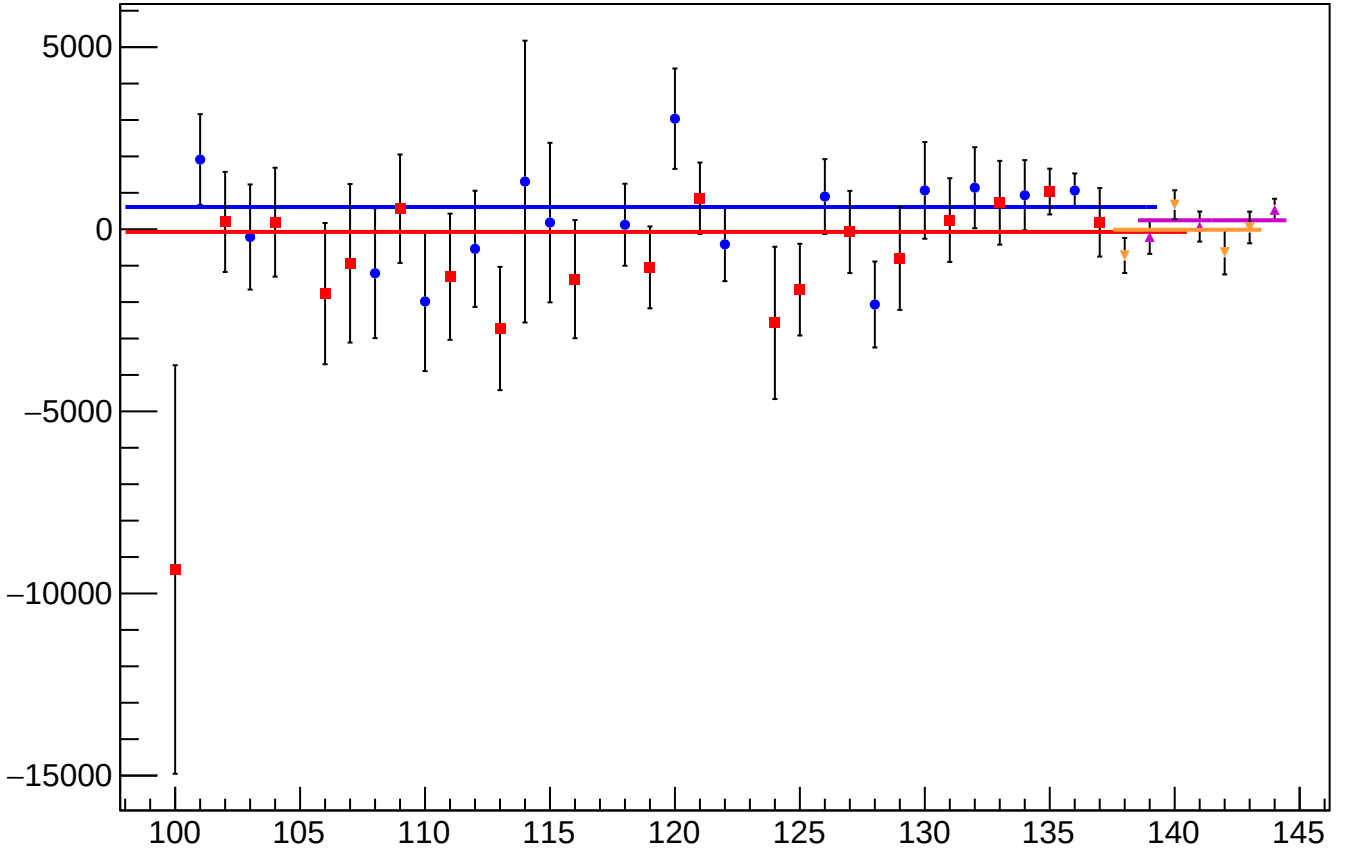
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 72.200+/-0.017 χ^2/NDF:1137213.2/18

Out: 75.617+/-0.017 χ^2/NDF:1008025.8/22

All: 73.881+/-0.012 χ^2/NDF: 2165534.1/41

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: -13.594+/-231.396 χ^2/NDF:6.2/3

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 245.875+/-217.371 χ^2/NDF:2.0/2

Left: 124.242+/-158.431 χ^2/NDF: 8.9/6

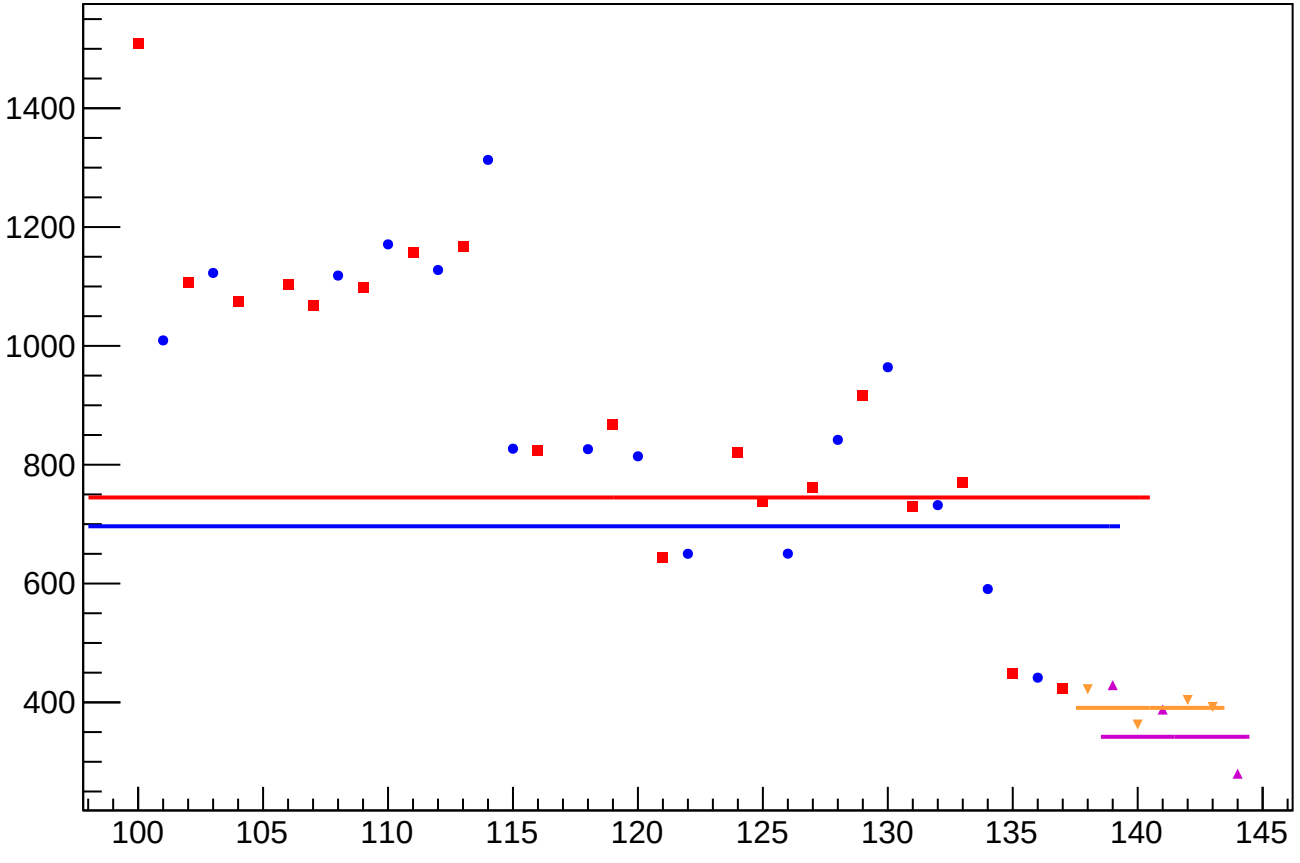
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 386.683+/-170.287 χ^2/NDF:18.9/18

Out: -36.743+/-180.097 χ^2/NDF:22.4/22

All: 186.815+/-123.734 χ^2/NDF: 44.2/41

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: 390.766+/-0.164 χ^2/NDF:19569.3/3

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 342.055+/-0.154 χ^2/NDF:176548.2/2

Left: 364.890+/-0.112 χ^2/NDF: 243197.3/6

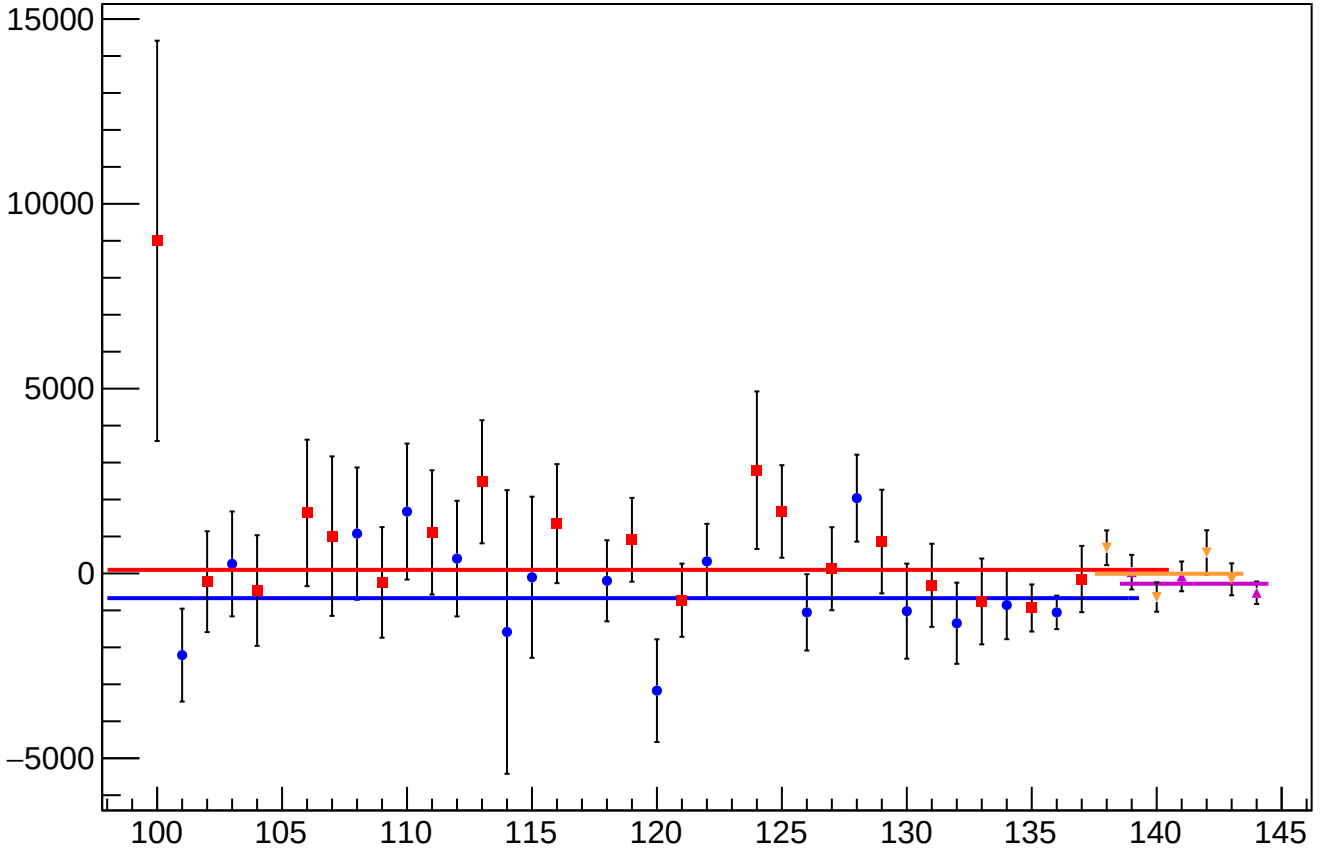
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 478.925+/-0.120 χ^2/NDF:3744710.7/18

Out: 530.370+/-0.127 χ^2/NDF:3364432.6/22

All: 503.209+/-0.087 χ^2/NDF: 7195304.9/41

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -8.390+/-229.646 χ^2/NDF:5.8/3

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -278.434+/-215.382 χ^2/NDF:1.3/2

Left: -152.058+/-157.099 χ^2/NDF: 7.9/6

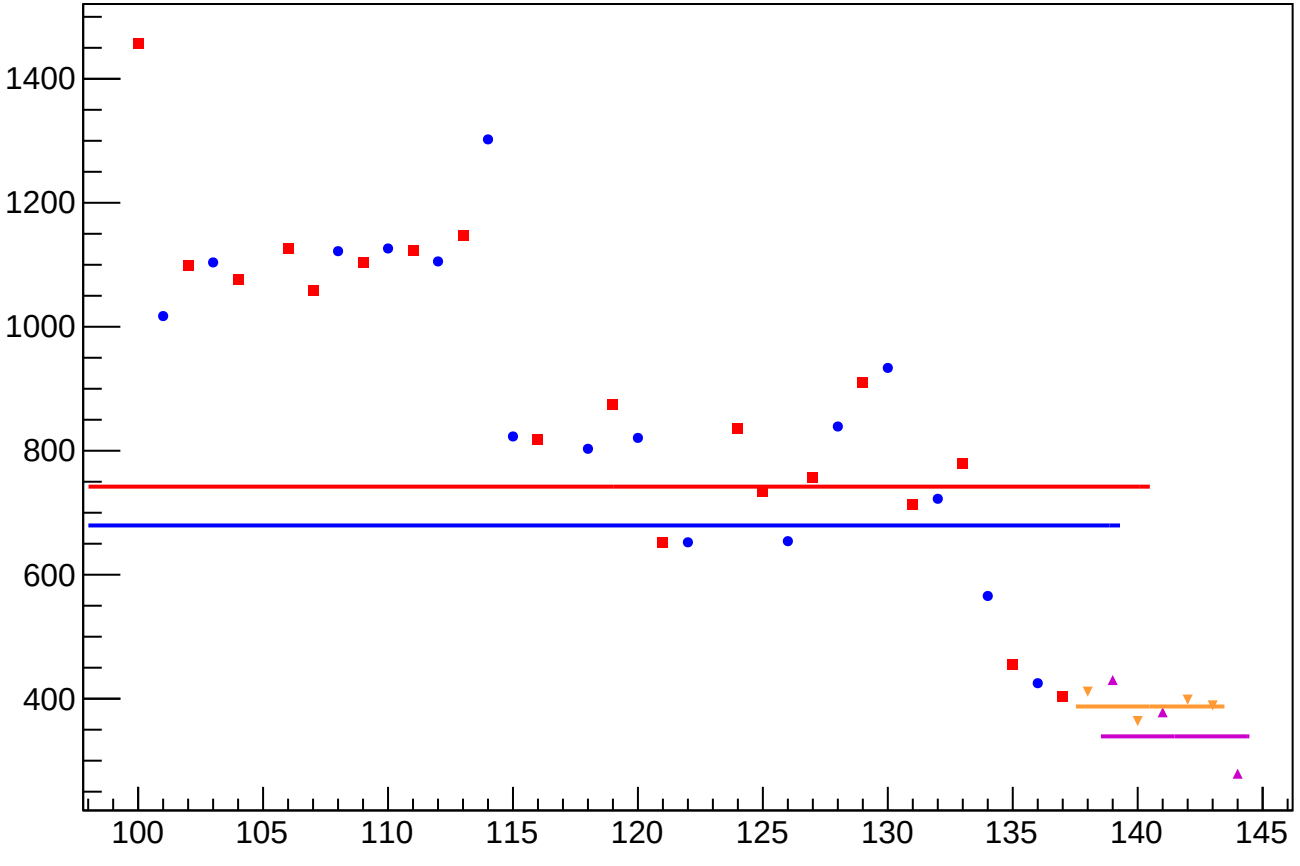
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -431.192+/-167.996 χ^2/NDF:18.8/18

Out: 33.337+/-179.036 χ^2/NDF:20.7/22

All: -213.690+/-122.508 χ^2/NDF: 43.0/41

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 387.416+/-0.162 χ^2/NDF:12898.4/3

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 339.241+/-0.152 χ^2/NDF:172455.1/2

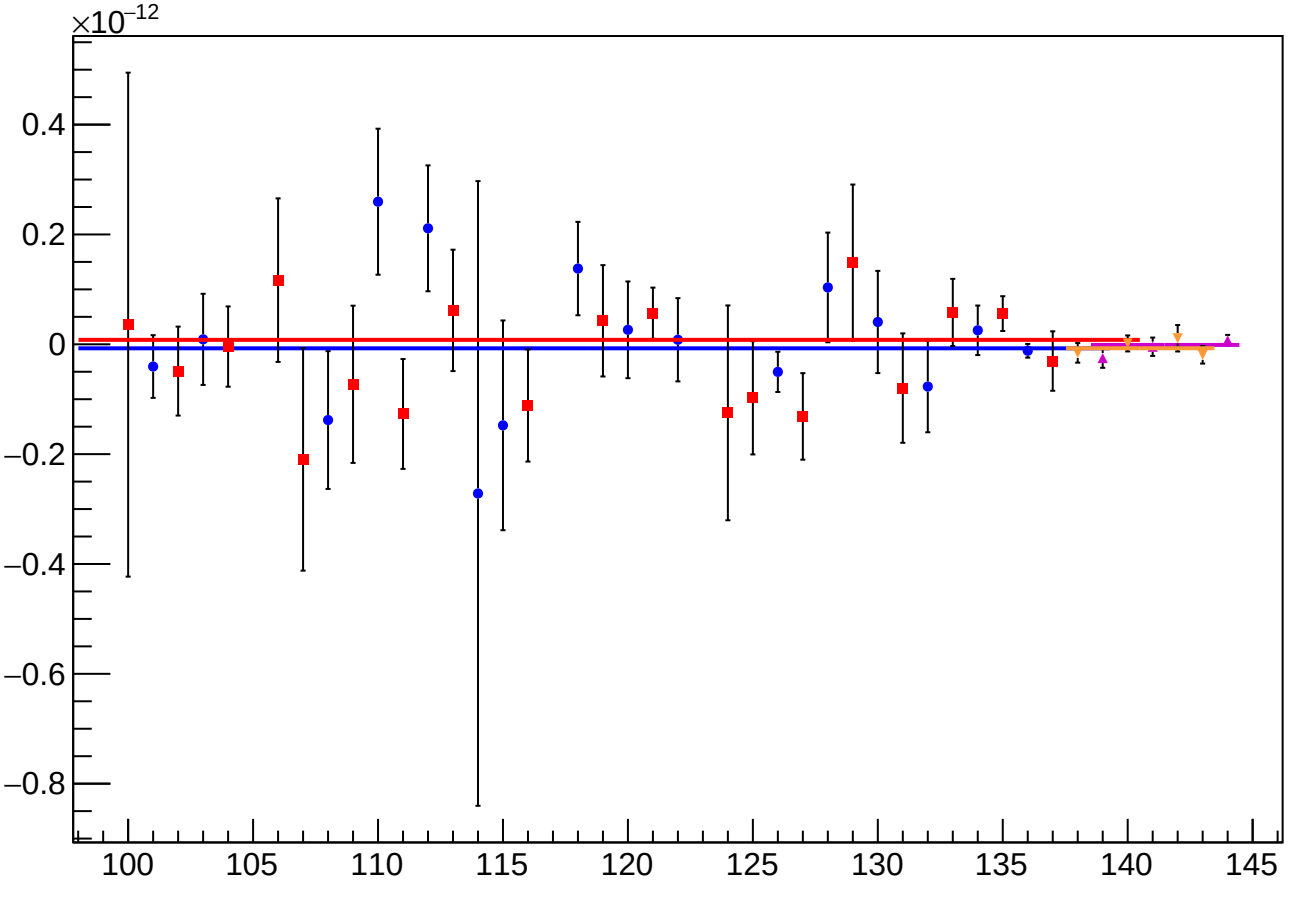
Left: 361.786+/-0.111 χ^2/NDF: 232178.8/6

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 472.480+/-0.119 χ^2/NDF:3727768.7/18

Out: 526.515+/-0.127 χ^2/NDF:3388204.6/22

All: 497.781+/-0.087 χ^2/NDF: 7212854.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/2

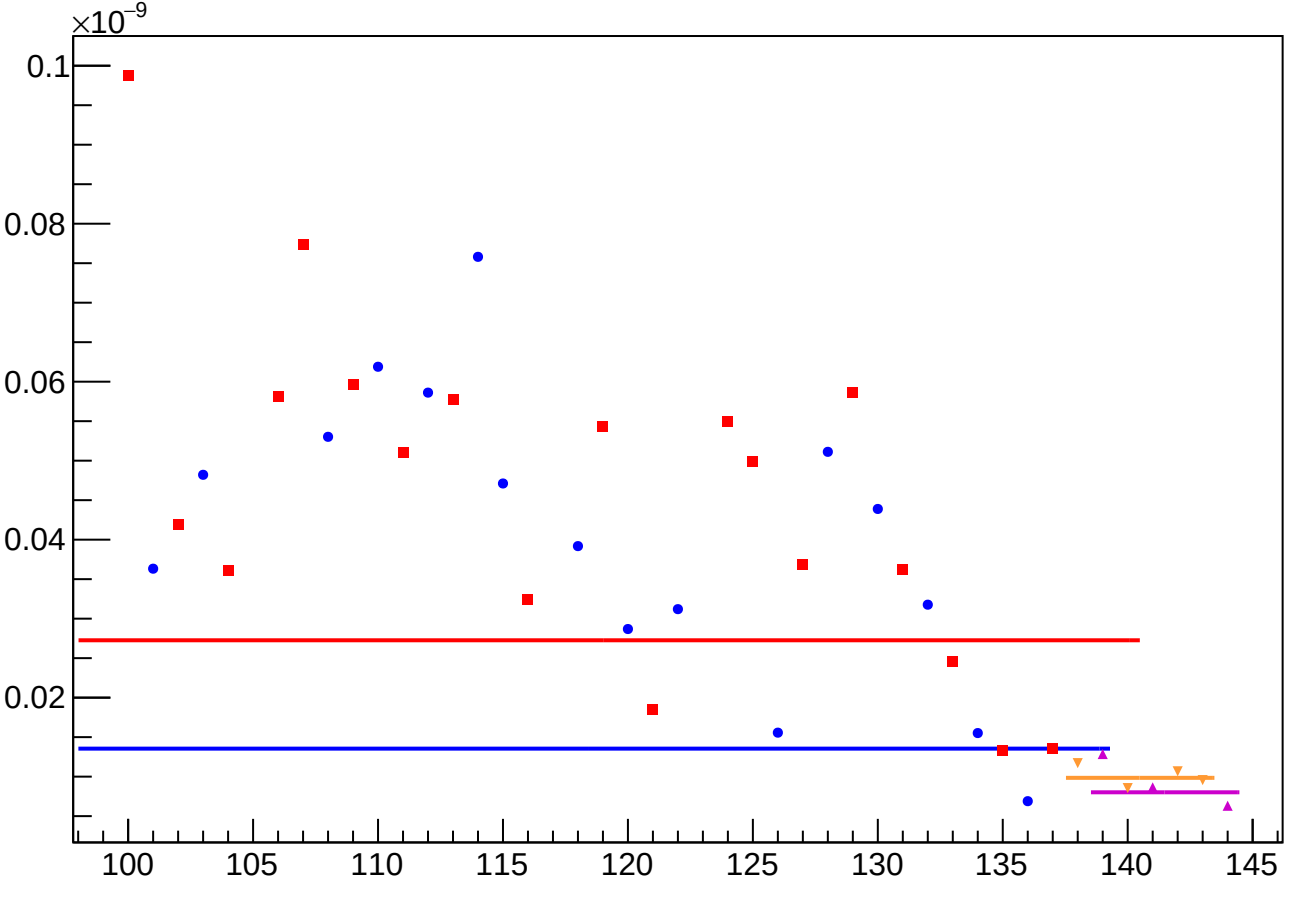
Left: -0.000+/-0.000 χ^2/NDF: 4.5/6

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:20.0/18

Out: -0.000+/-0.000 χ^2/NDF:19.3/22

All: -0.000+/-0.000 χ^2/NDF: 39.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:40675.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:210373.1/2

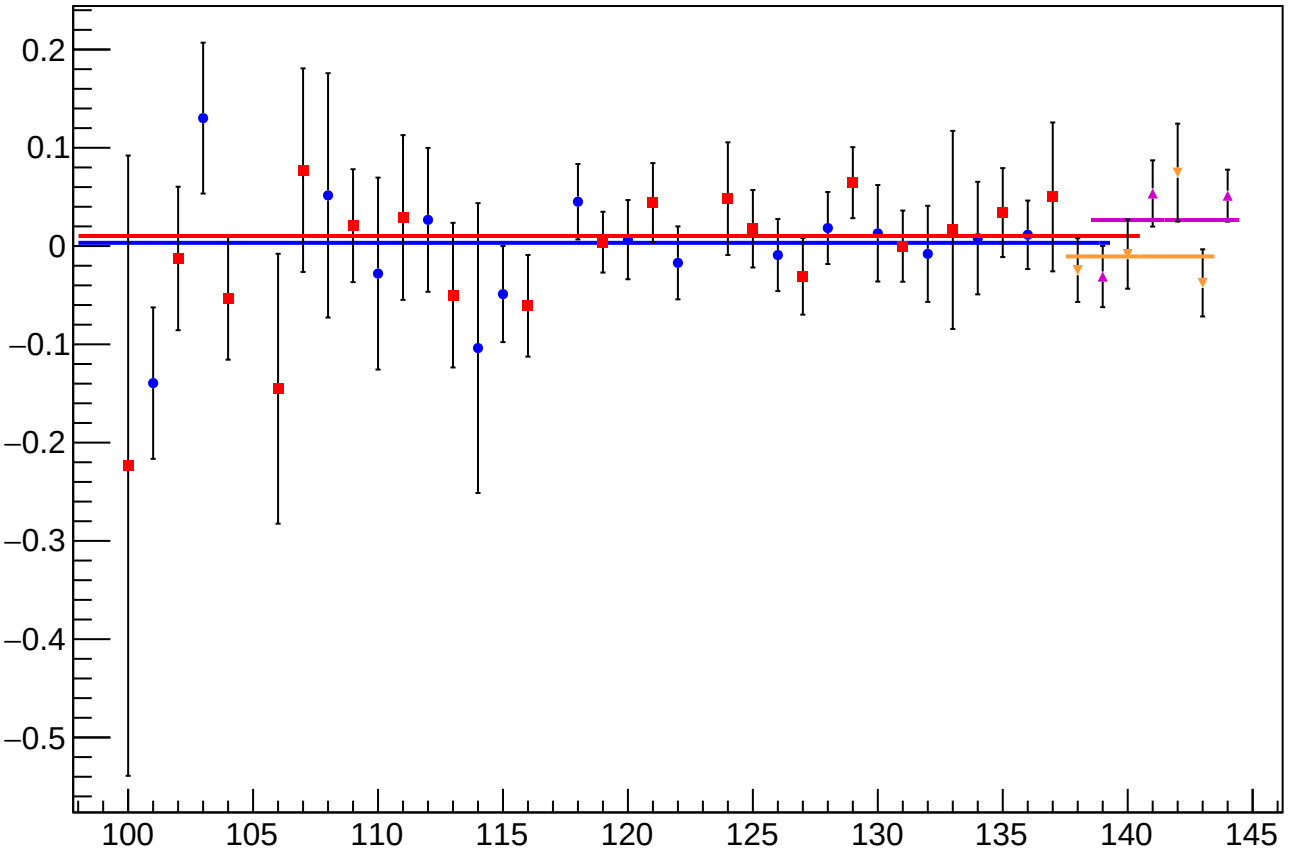
Left: 0.000+/-0.000 χ^2/NDF: 301543.0/6

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3619224.6/18

Out: 0.000+/-0.000 χ^2/NDF:3398340.7/22

All: 0.000+/-0.000 χ^2/NDF: 7247187.1/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.026+/-0.017 χ^2/NDF:4.9/2

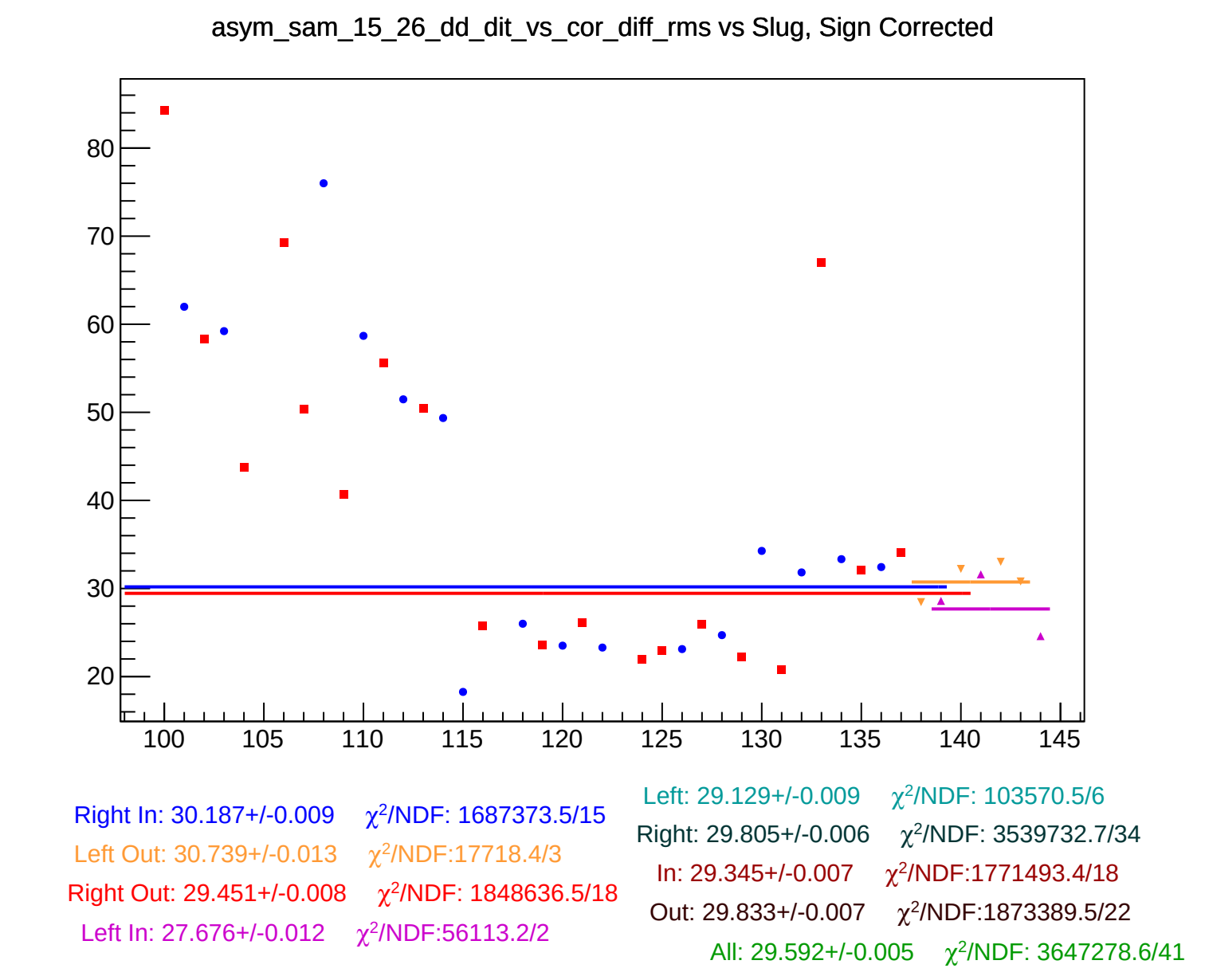
Left: 0.009+/-0.013 χ^2/NDF: 10.9/6

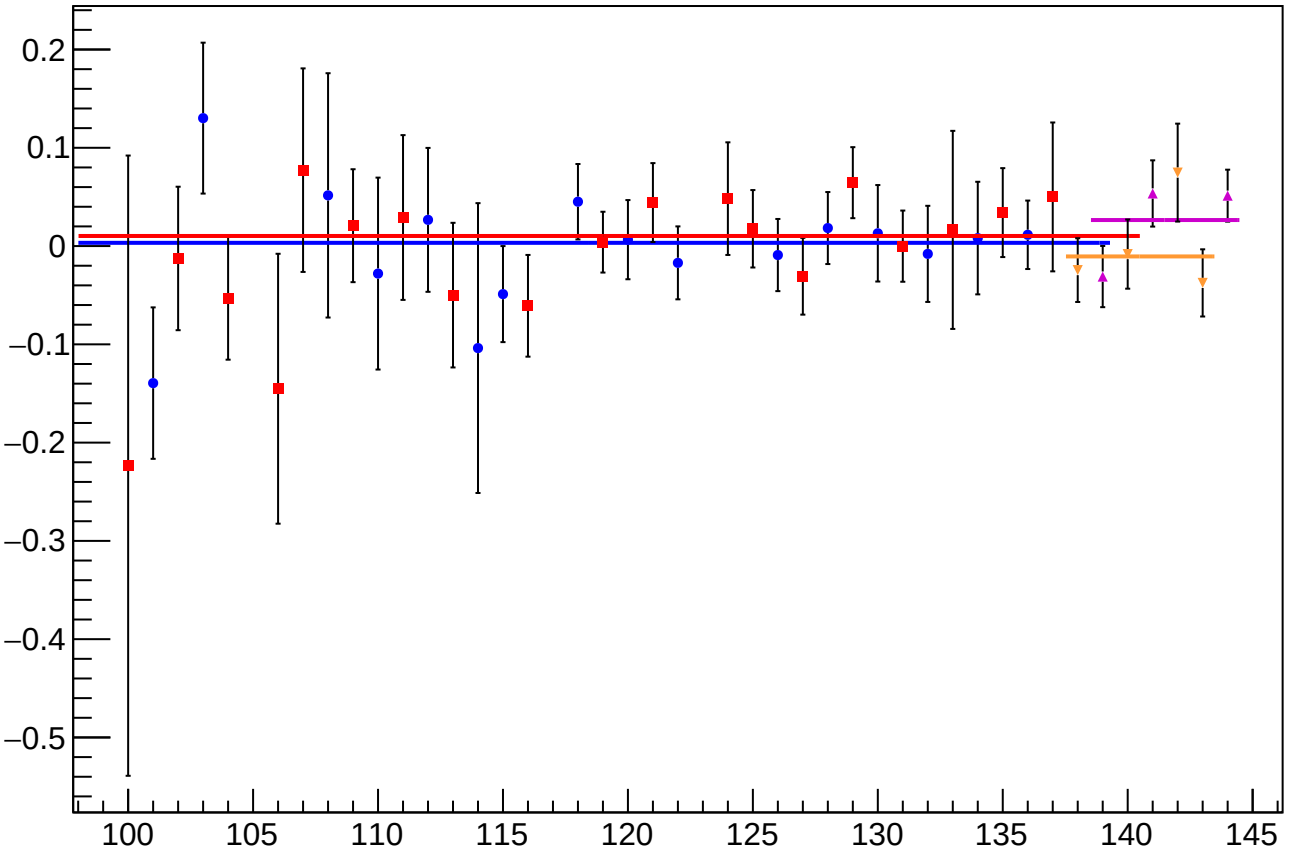
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.011+/-0.010 χ^2/NDF:16.3/18

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.008+/-0.007 χ^2/NDF: 32.4/41


asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
105
110
115
120
125
130
135
140
145
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 30.739+/-0.013 χ²/NDF:17718.4/3
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 27.676+/-0.012 χ²/NDF:56113.2/2
Left: 29.129+/-0.009 χ²/NDF: 103570.5/6
Right: 29.805+/-0.006 χ²/NDF: 3539732.7/34
In: 29.345+/-0.007 χ²/NDF:1771493.4/18
Out: 29.833+/-0.007 χ²/NDF:1873389.5/22
All: 29.592+/-0.005 χ²/NDF: 3647278.6/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.026+/-0.017 χ^2/NDF:4.9/2

Left: 0.009+/-0.013 χ^2/NDF: 10.9/6

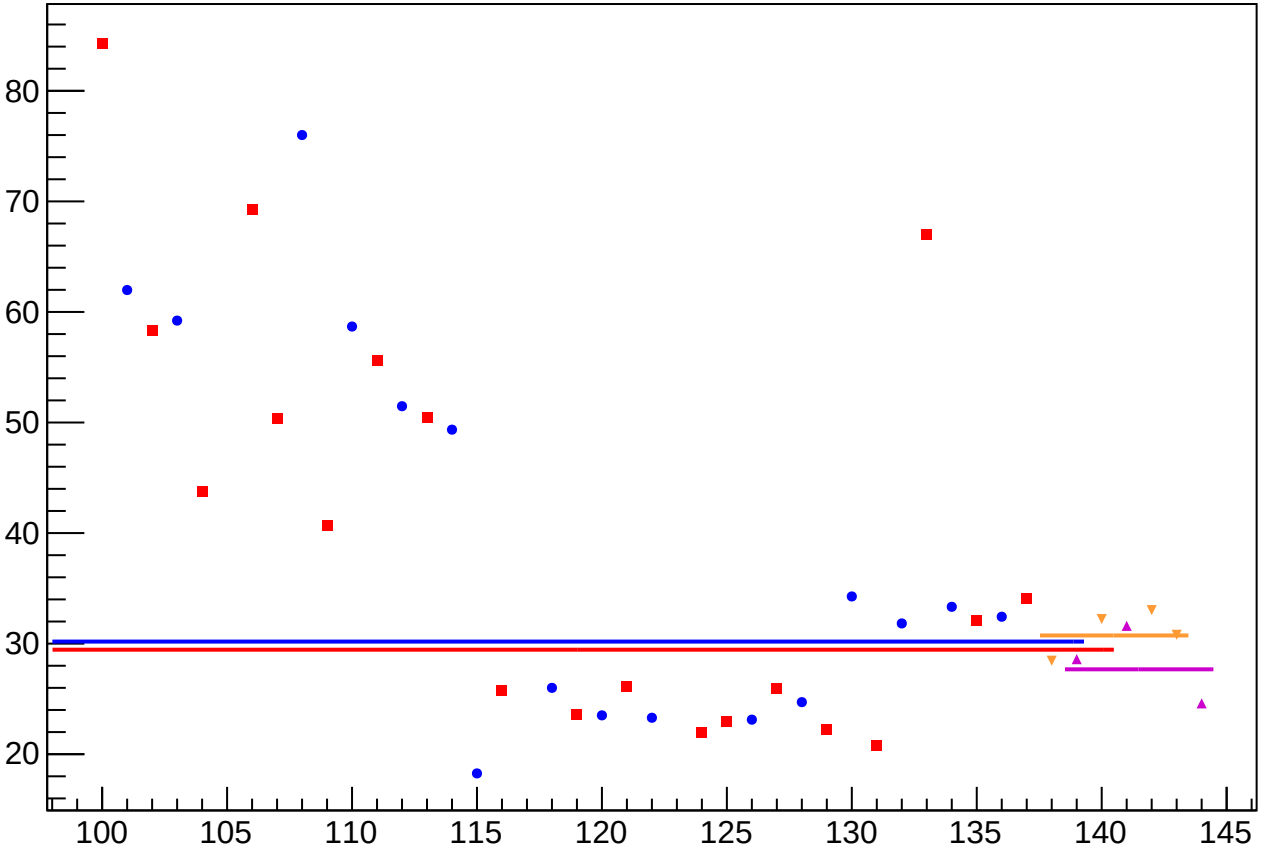
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.011+/-0.010 χ^2/NDF:16.3/18

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.008+/-0.007 χ^2/NDF: 32.4/41

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: 30.739+/-0.013 χ^2/NDF:17718.4/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 27.676+/-0.012 χ^2/NDF:56113.2/2

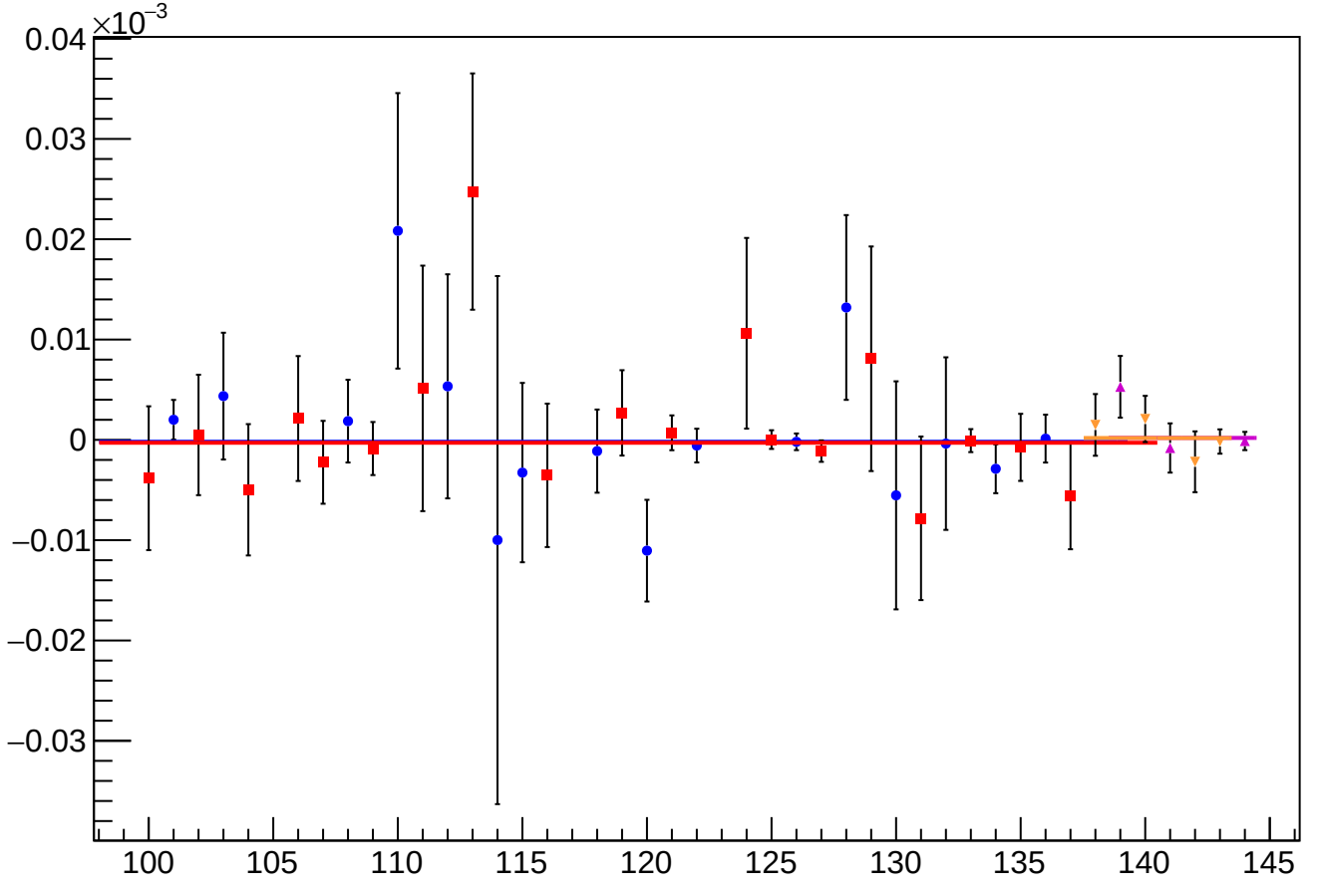
Left: 29.129+/-0.009 χ^2/NDF: 103570.5/6

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.345+/-0.007 χ^2/NDF:1771493.4/18

Out: 29.833+/-0.007 χ^2/NDF:1873389.5/22

All: 29.592+/-0.005 χ^2/NDF: 3647278.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/2

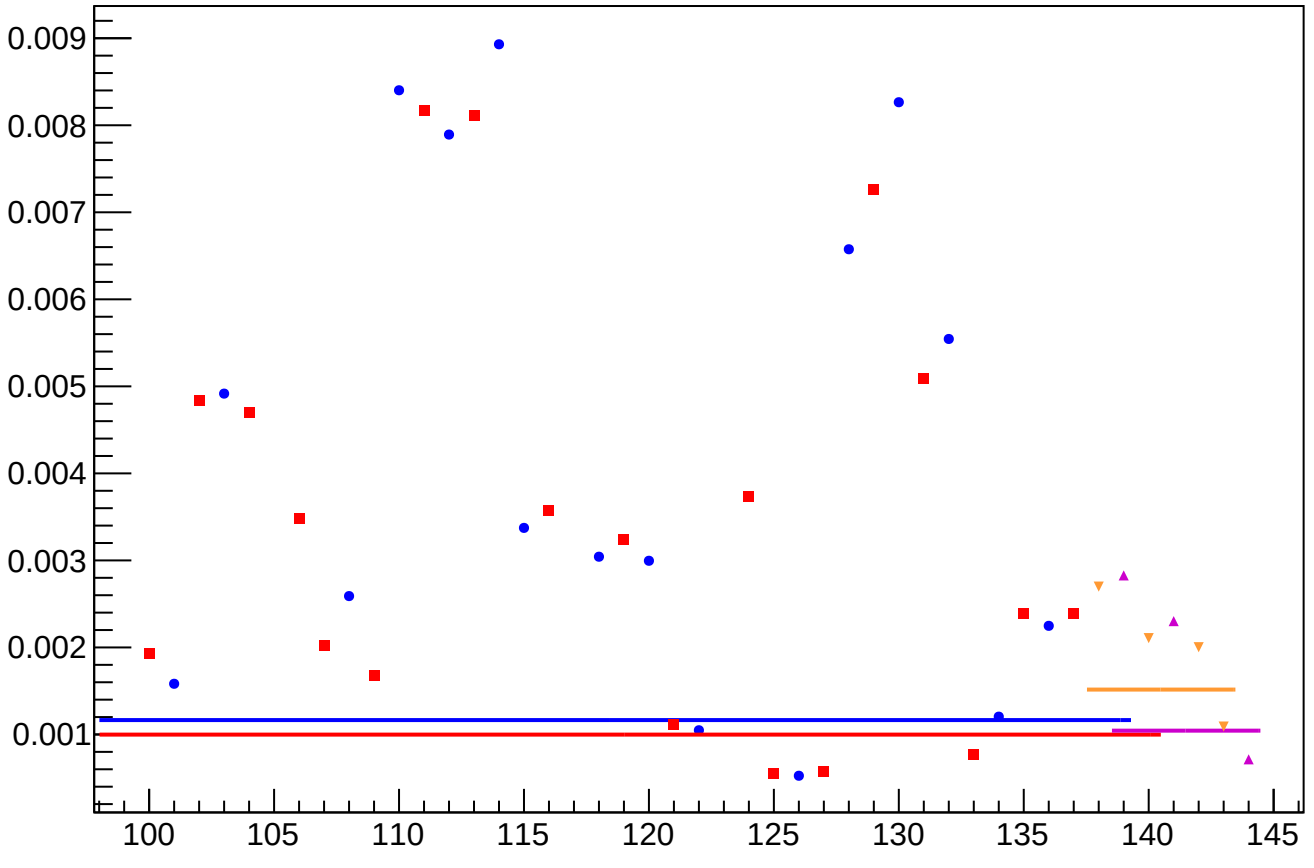
Left: 0.000+/-0.000 χ^2/NDF: 4.6/6

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: -0.000+/-0.000 χ^2/NDF:16.3/18

Out: -0.000+/-0.000 χ^2/NDF:13.2/22

All: -0.000+/-0.000 χ^2/NDF: 29.5/41



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:725380.1/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1460048.3/2

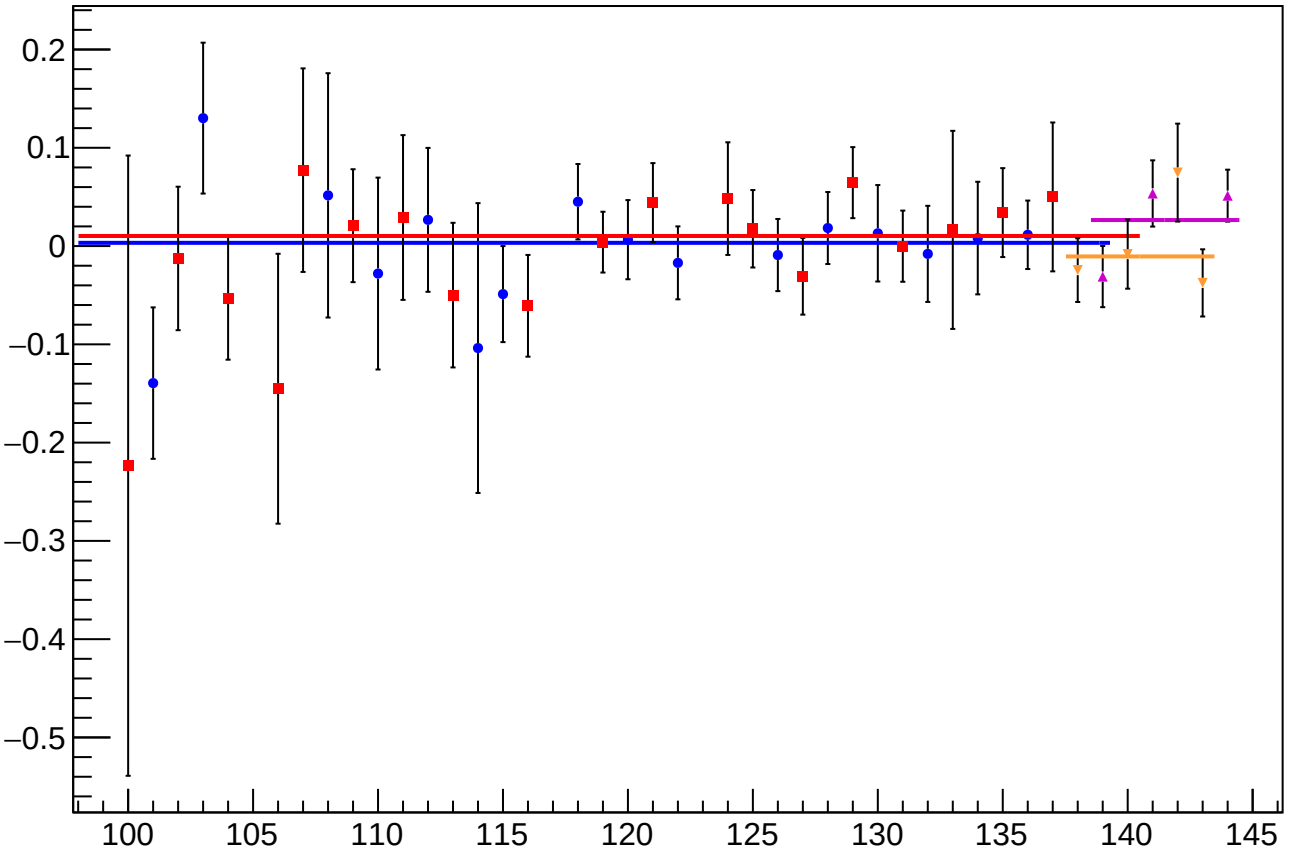
Left: 0.001+/-0.000 χ^2/NDF: 2464007.9/6

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:8369827.2/18

Out: 0.001+/-0.000 χ^2/NDF:8110581.1/22

All: 0.001+/-0.000 χ^2/NDF: 16480535.6/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.026+/-0.017 χ^2/NDF:4.9/2

Left: 0.009+/-0.013 χ^2/NDF: 10.9/6

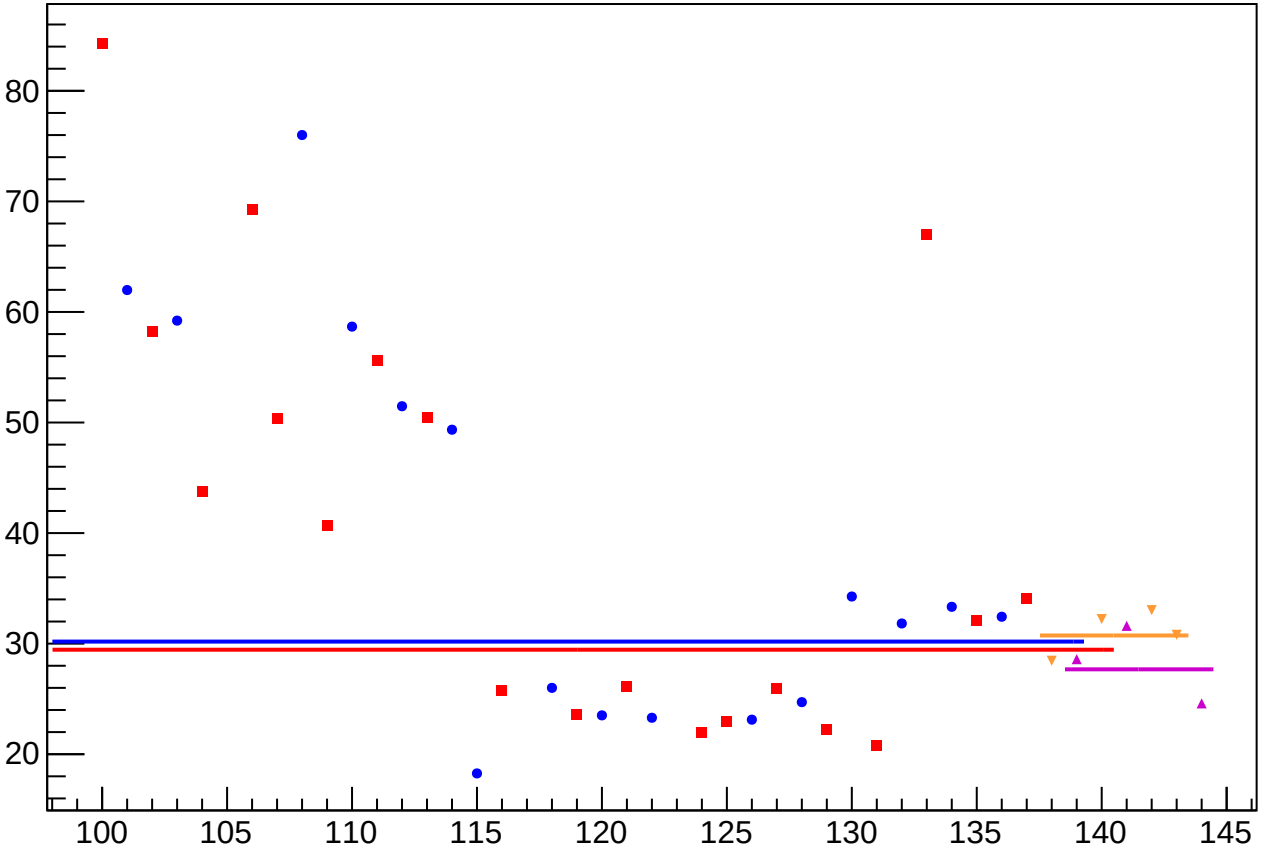
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.011+/-0.010 χ^2/NDF:16.3/18

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.008+/-0.007 χ^2/NDF: 32.4/41

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.739+/-0.013 χ^2/NDF:17717.9/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 27.677+/-0.012 χ^2/NDF:56122.4/2

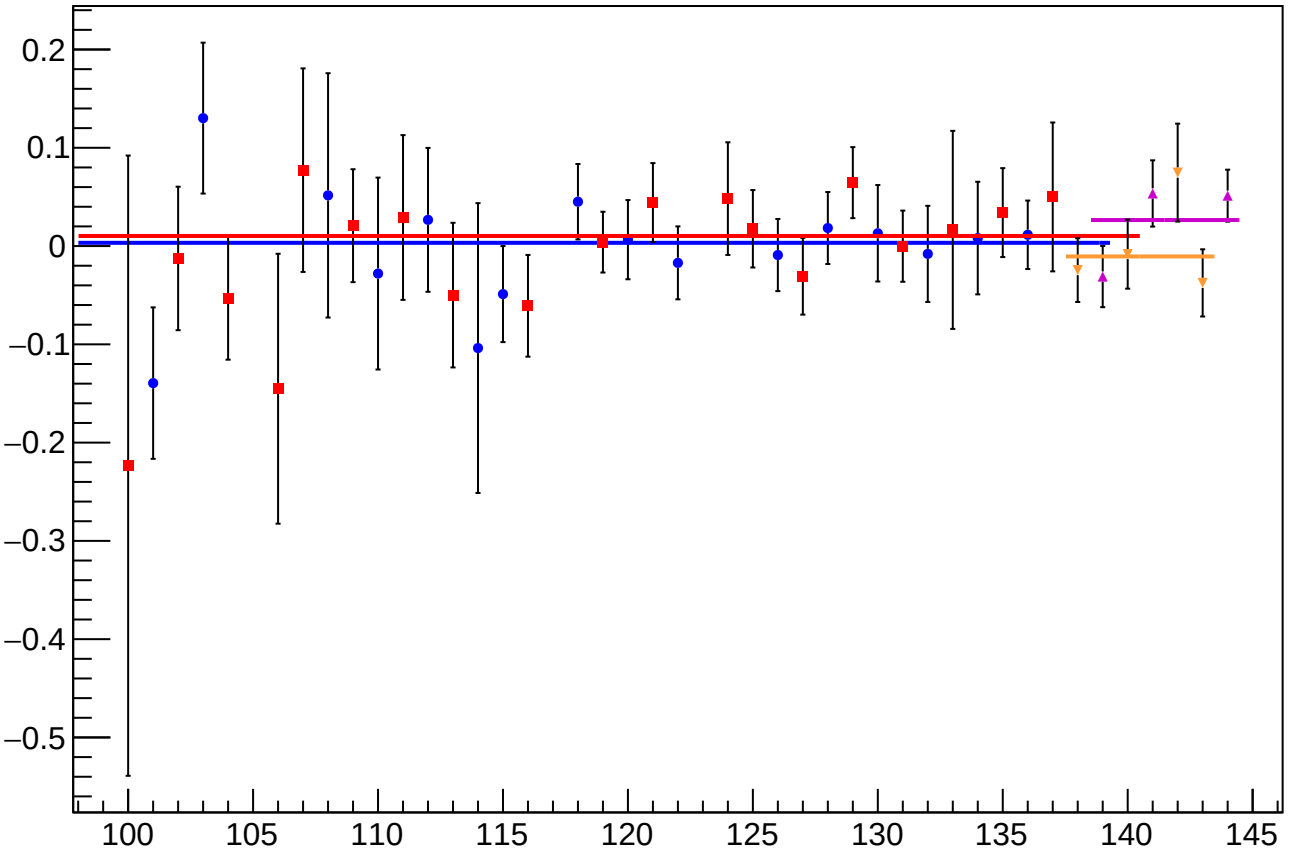
Left: 29.130+/-0.009 χ^2/NDF: 103576.1/6

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.346+/-0.007 χ^2/NDF:1771307.7/18

Out: 29.833+/-0.007 χ^2/NDF:1873395.1/22

All: 29.592+/-0.005 χ^2/NDF: 3647093.3/41



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.026+/-0.017 χ^2/NDF:4.9/2

Left: 0.009+/-0.013 χ^2/NDF: 10.9/6

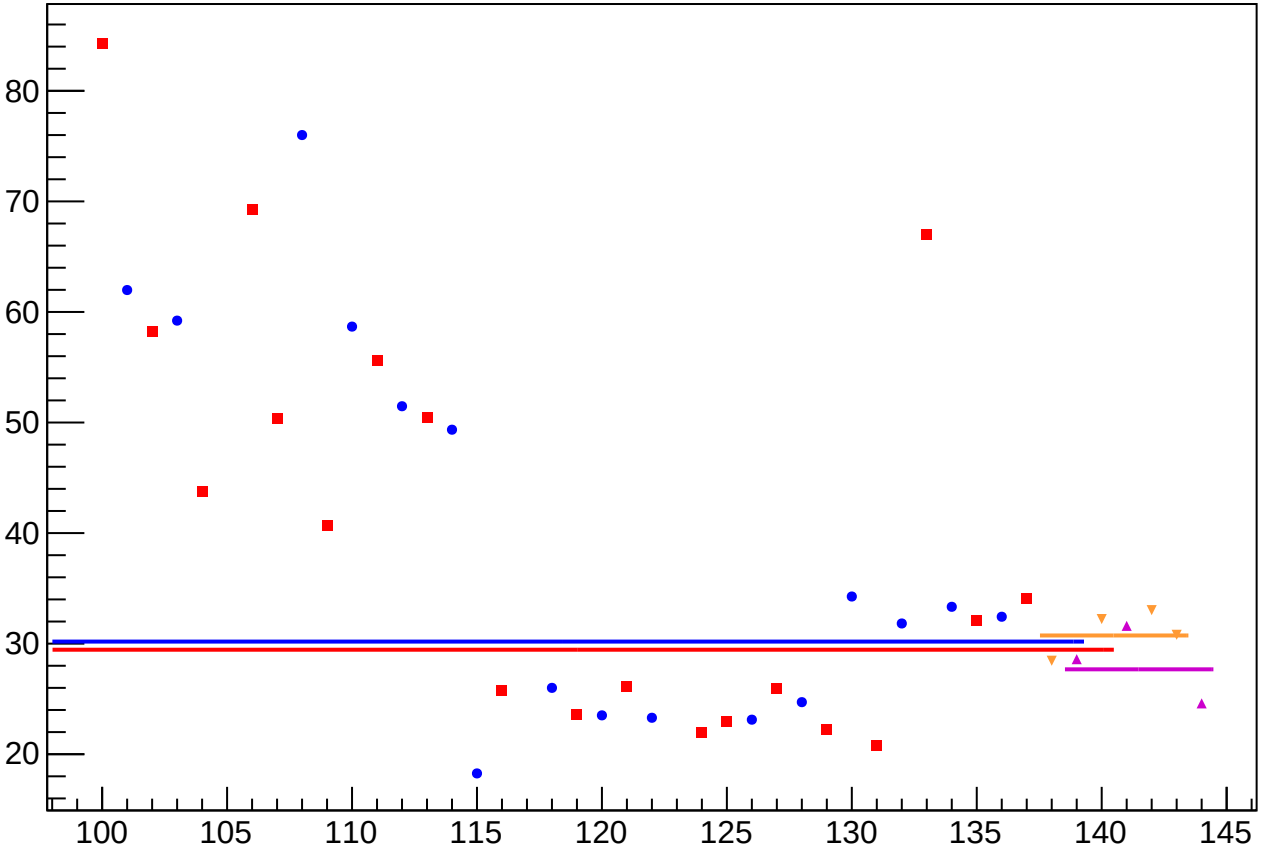
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.011+/-0.010 χ^2/NDF:16.3/18

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.008+/-0.007 χ^2/NDF: 32.4/41

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: 30.739+/-0.013 χ^2/NDF:17717.9/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 27.677+/-0.012 χ^2/NDF:56122.4/2

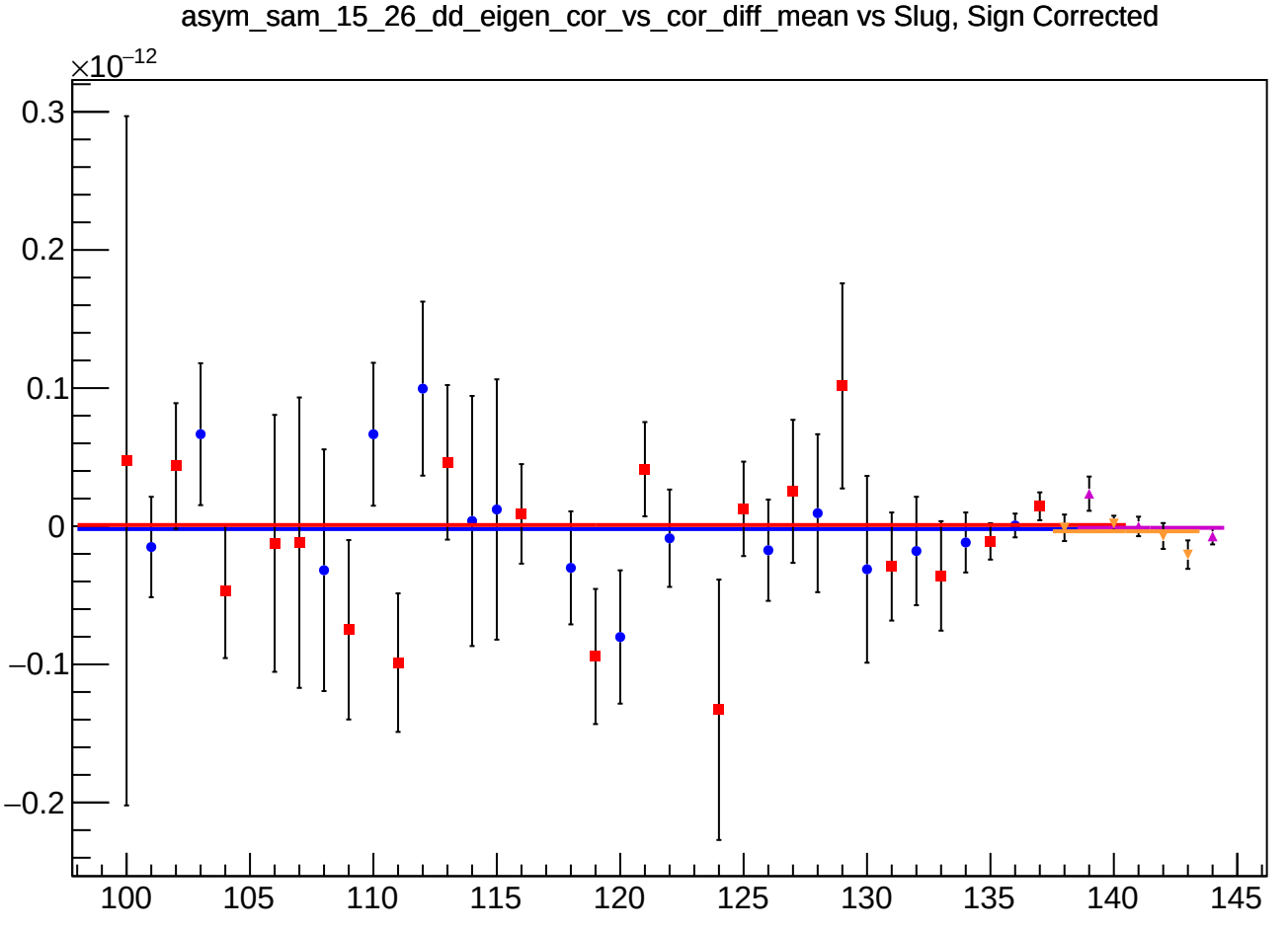
Left: 29.130+/-0.009 χ^2/NDF: 103576.1/6

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.346+/-0.007 χ^2/NDF:1771307.7/18

Out: 29.833+/-0.007 χ^2/NDF:1873395.1/22

All: 29.592+/-0.005 χ^2/NDF: 3647093.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/2

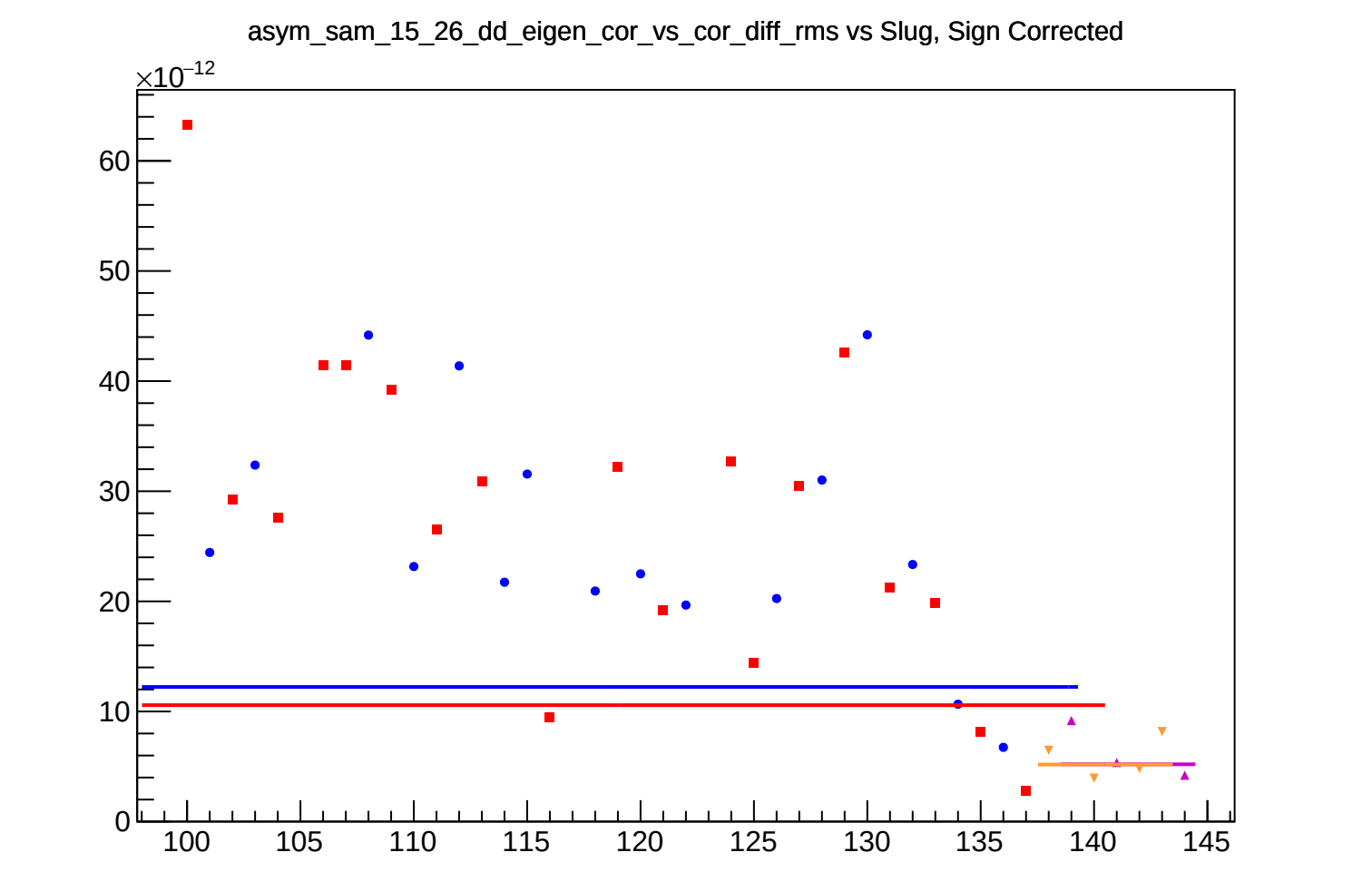
Left: -0.000+/-0.000 χ^2/NDF: 9.1/6

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:15.5/18

Out: -0.000+/-0.000 χ^2/NDF:25.6/22

All: -0.000+/-0.000 χ^2/NDF: 41.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:302470.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:264146.2/2

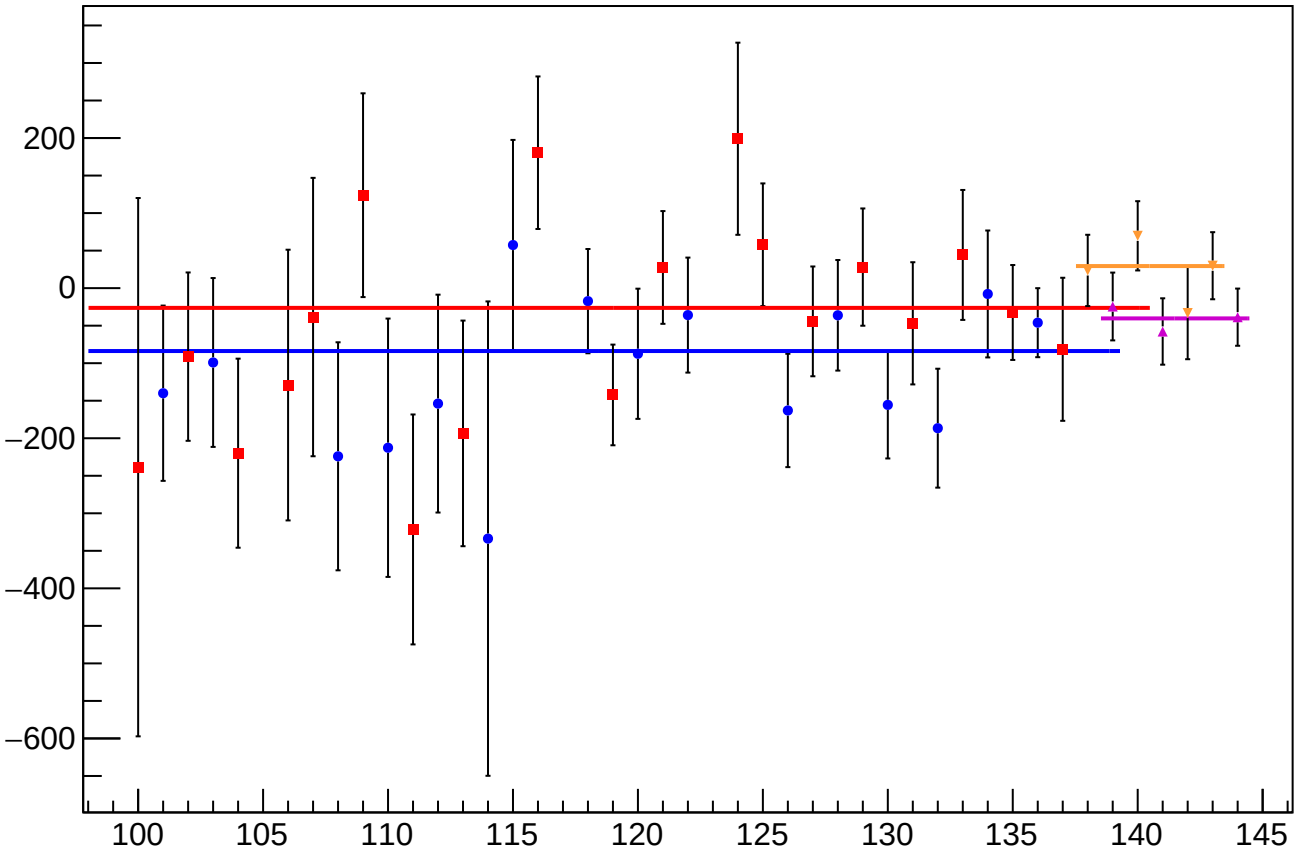
Left: 0.000+/-0.000 χ^2/NDF: 566644.4/6

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:5233465.7/18

Out: 0.000+/-0.000 χ^2/NDF:6035162.1/22

All: 0.000+/-0.000 χ^2/NDF: 11292550.9/41



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -40.326+/-24.326 χ^2/NDF:0.3/2

Left: -5.582+/-17.232 χ^2/NDF: 6.2/6

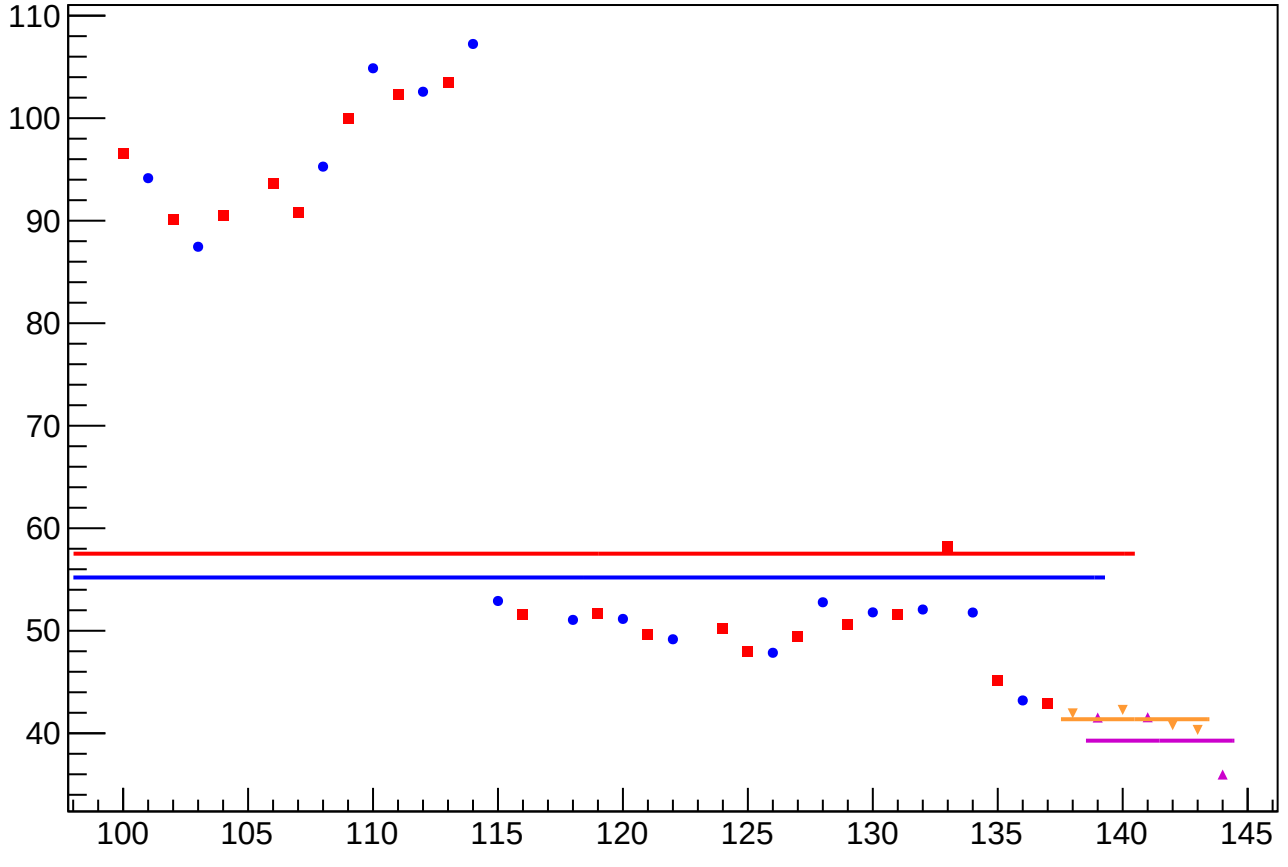
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -64.803+/-16.082 χ^2/NDF:12.6/18

Out: -1.249+/-16.370 χ^2/NDF:27.7/22

All: -33.591+/-11.472 χ^2/NDF: 47.9/41

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

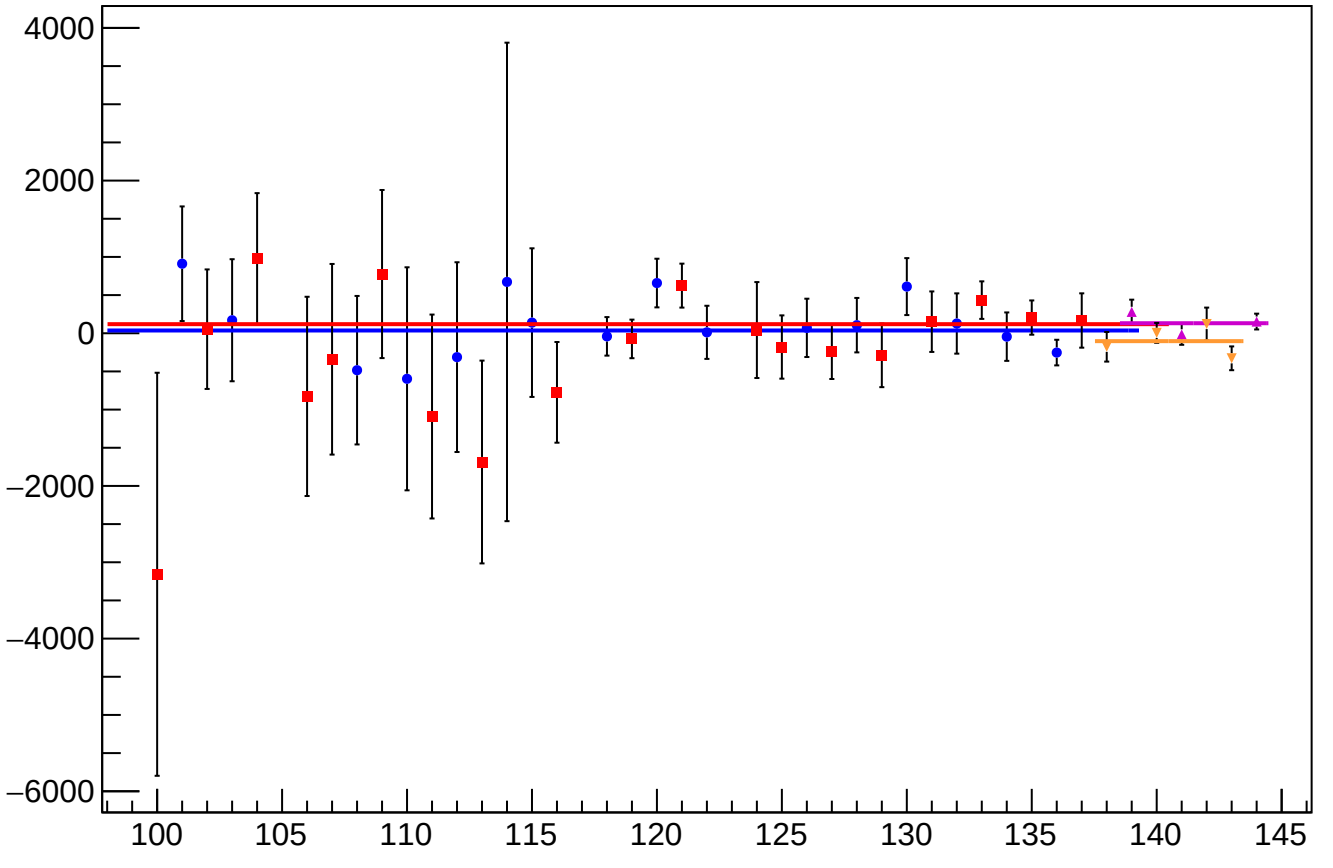
Left: 40.322+/-0.012 χ^2/NDF: 35044.8/6

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 48.241+/-0.011 χ^2/NDF:1660008.0/18

Out: 50.258+/-0.012 χ^2/NDF:1765723.5/22

All: 49.231+/-0.008 χ^2/NDF: 3441189.0/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.311+/-82.096 χ^2/NDF:4.0/3

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 131.484+/-73.270 χ^2/NDF:2.1/2

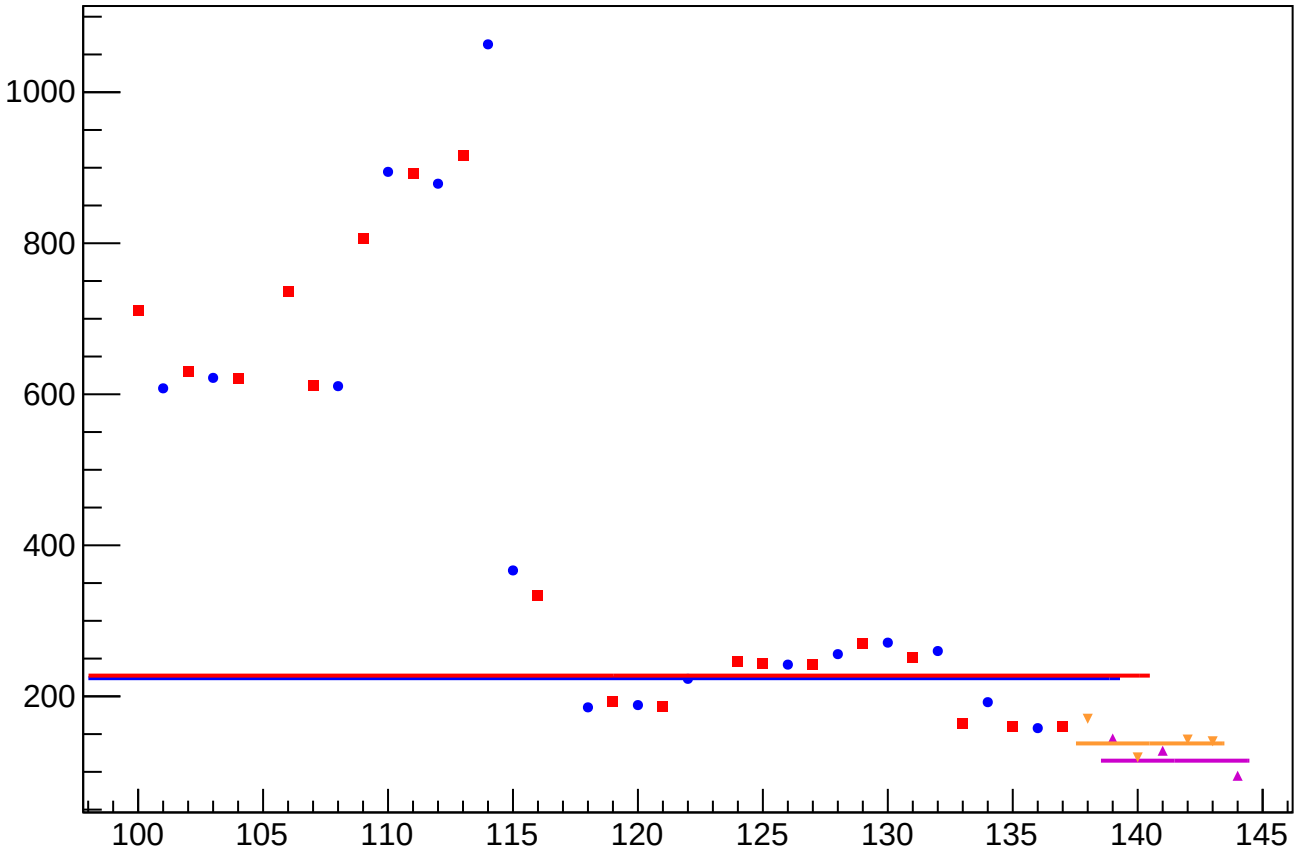
Left: 27.381+/-54.665 χ^2/NDF: 10.6/6

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 95.311+/-57.687 χ^2/NDF:14.1/18

Out: -9.148+/-62.347 χ^2/NDF:23.1/22

All: 47.131+/-42.342 χ^2/NDF: 38.8/41



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 137.638+/-0.058 χ^2/NDF:99110.4/3

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 114.819+/-0.052 χ^2/NDF:160712.0/2

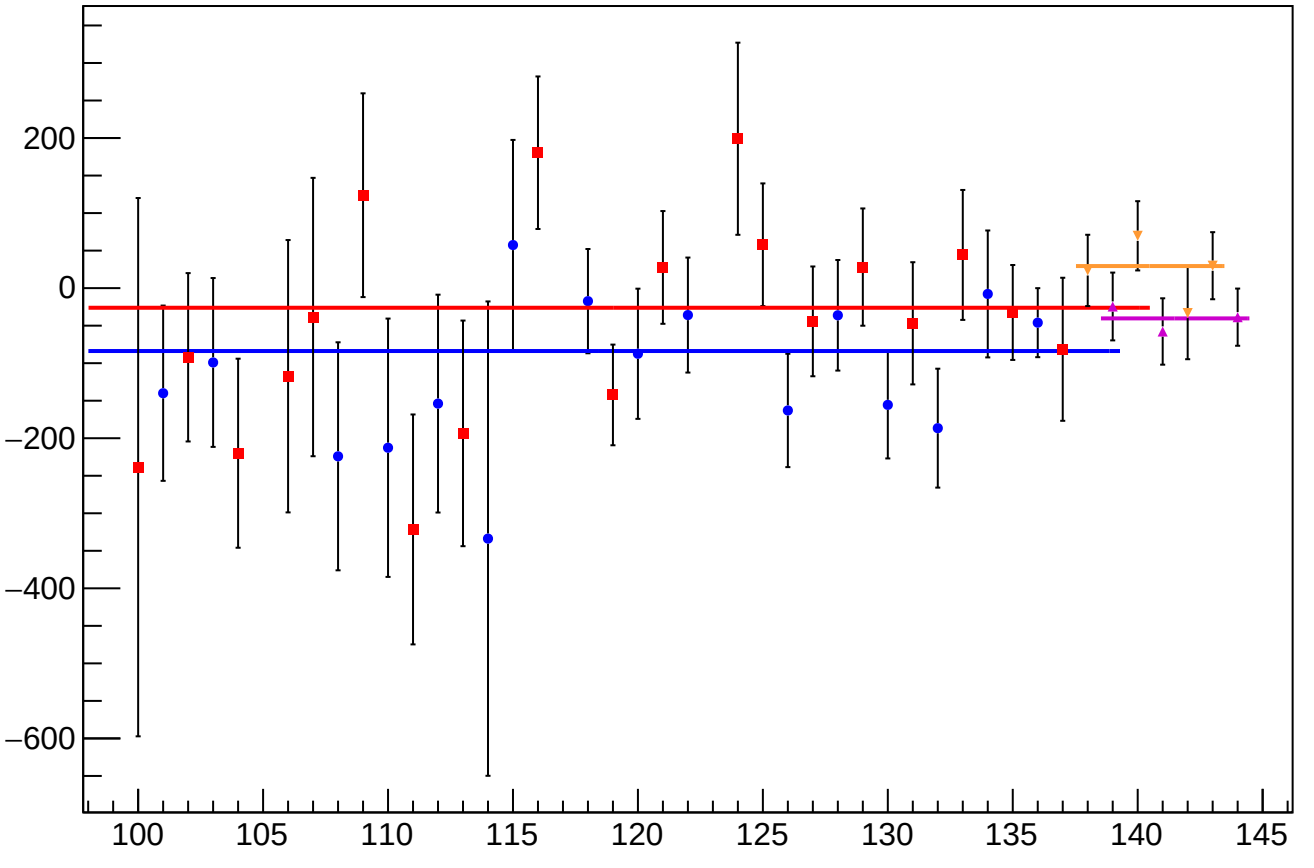
Left: 124.936+/-0.039 χ^2/NDF: 345832.9/6

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 156.339+/-0.041 χ^2/NDF:4818209.3/18

Out: 175.651+/-0.044 χ^2/NDF:4752862.2/22

All: 165.246+/-0.030 χ^2/NDF: 9674460.6/41



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -40.332+/-24.326 χ^2/NDF:0.3/2

Left: -5.584+/-17.232 χ^2/NDF: 6.2/6

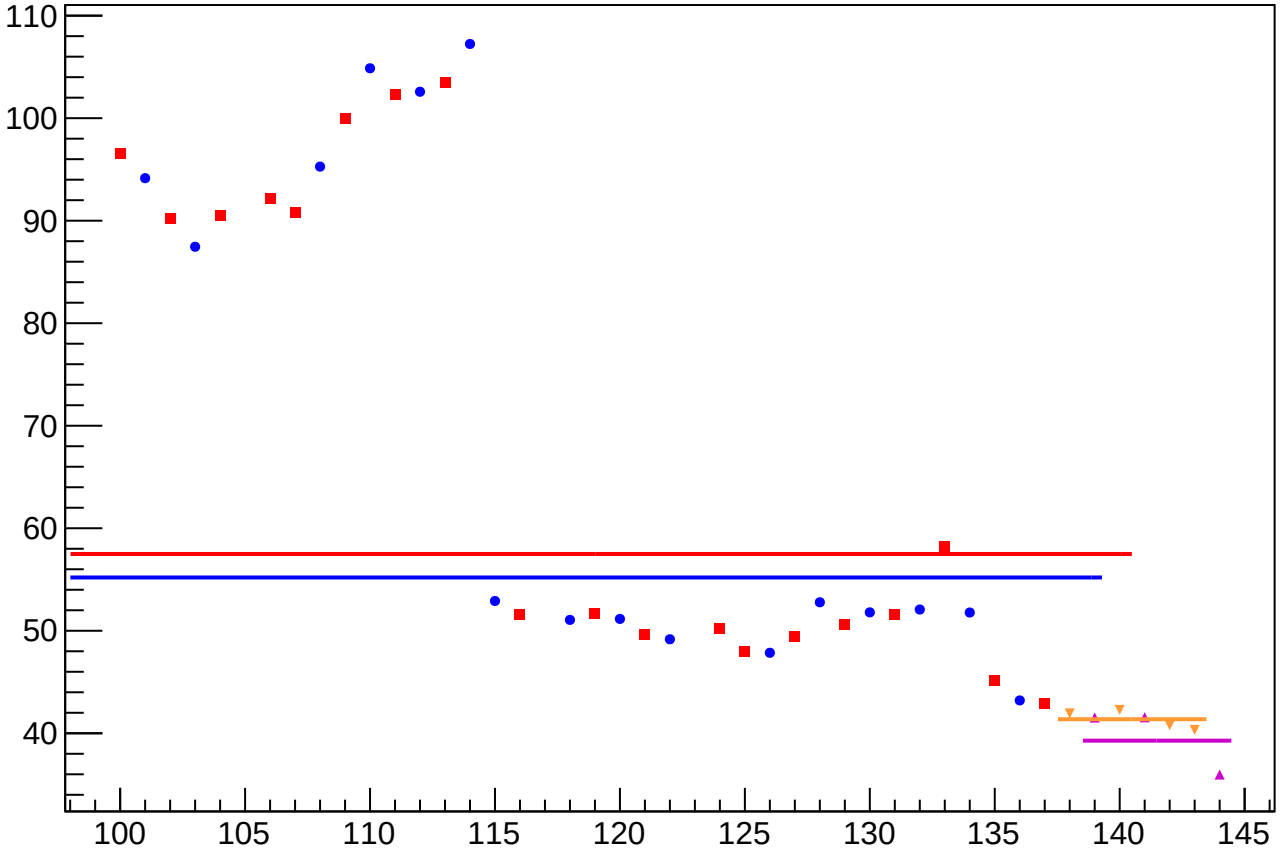
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -64.804+/-16.082 χ^2/NDF:12.6/18

Out: -1.159+/-16.371 χ^2/NDF:27.6/22

All: -33.549+/-11.473 χ^2/NDF: 47.9/41

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: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

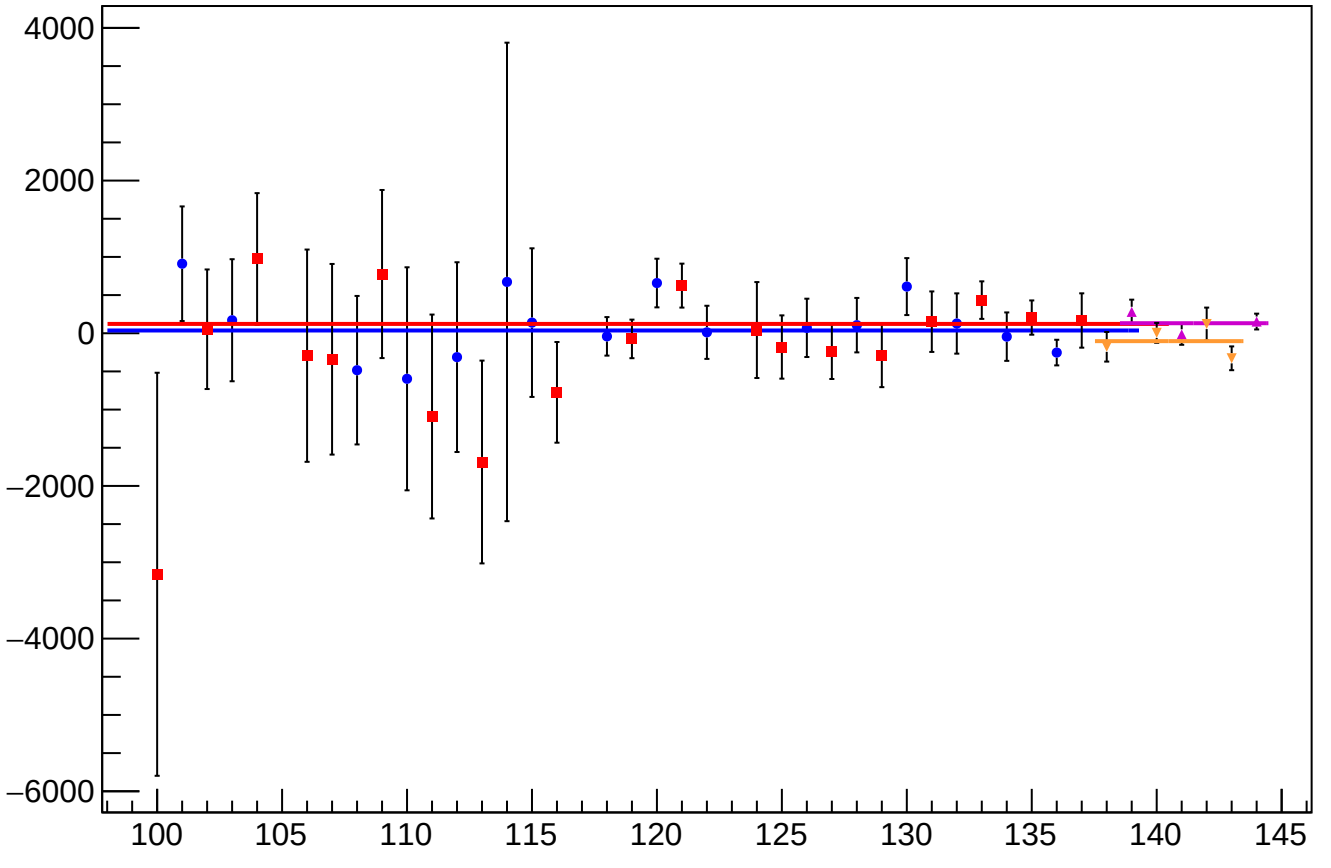
Left: 40.322+/-0.012 χ^2/NDF: 35044.8/6

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 48.241+/-0.011 χ^2/NDF:1660008.3/18

Out: 50.241+/-0.012 χ^2/NDF:1756556.0/22

All: 49.223+/-0.008 χ^2/NDF: 3431766.8/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 131.482+/-73.270 χ^2/NDF:2.1/2

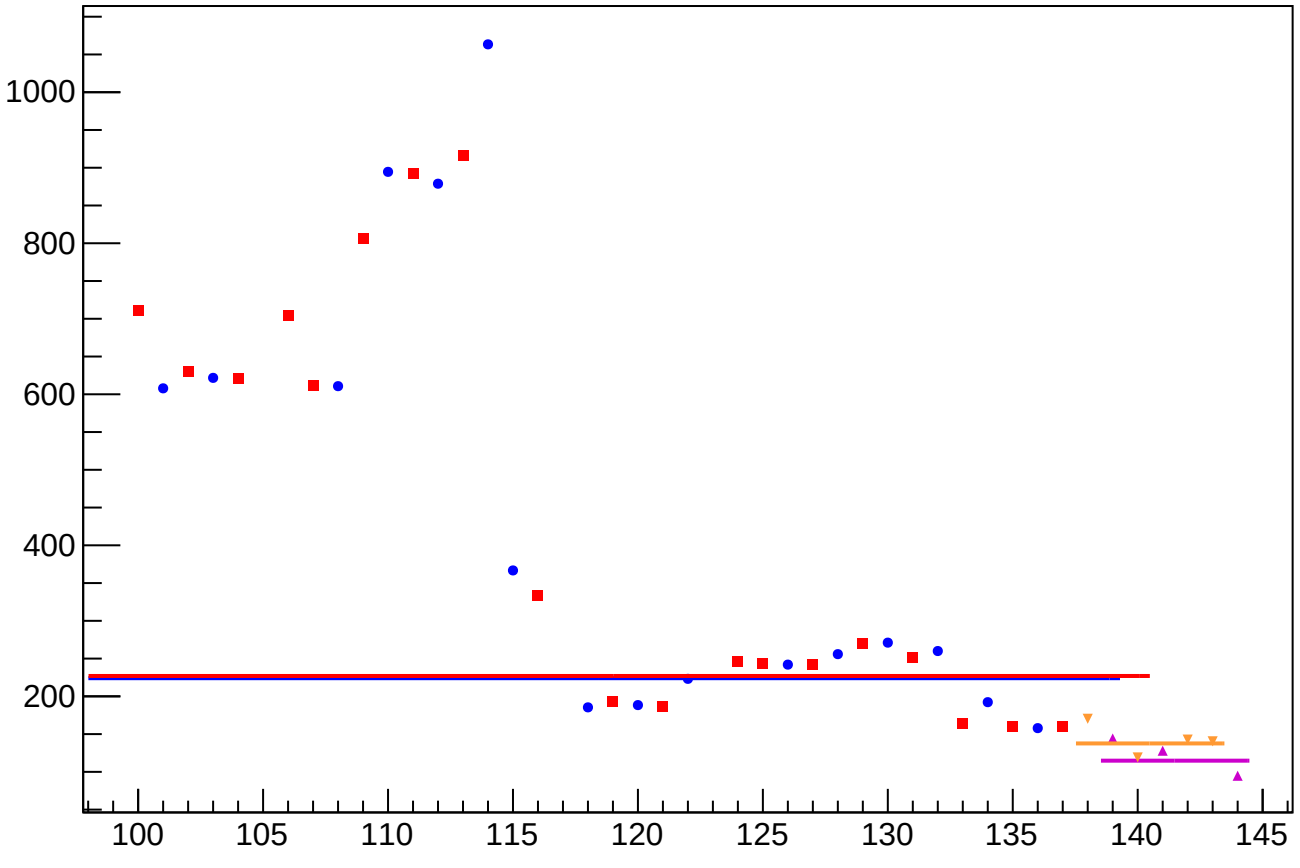
Left: 27.381+/-54.665 χ^2/NDF: 10.6/6

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 95.310+/-57.687 χ^2/NDF:14.1/18

Out: -7.860+/-62.356 χ^2/NDF:22.8/22

All: 47.731+/-42.345 χ^2/NDF: 38.4/41



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 114.819+/-0.052 χ^2/NDF:160712.7/2

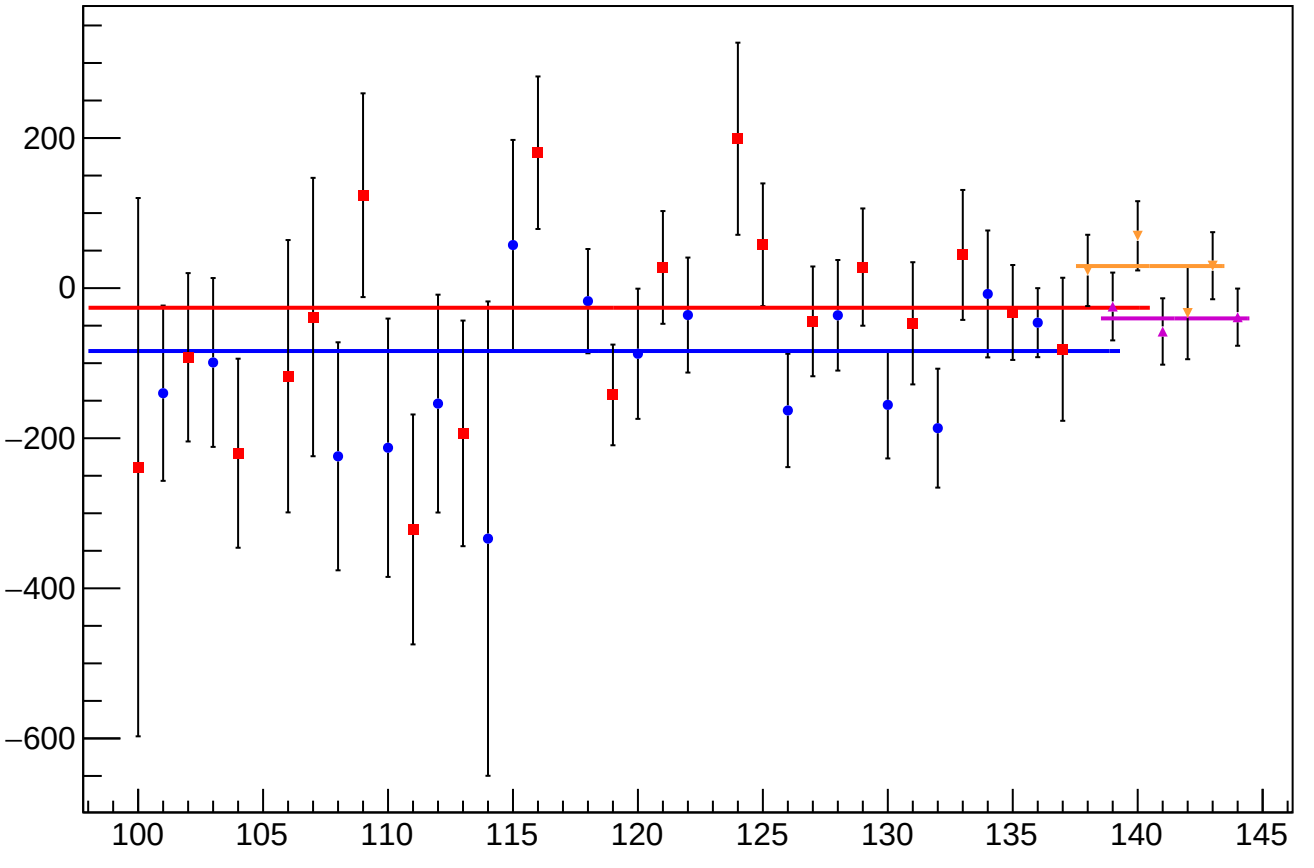
Left: 124.937+/-0.039 χ^2/NDF: 345833.6/6

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 156.339+/-0.041 χ^2/NDF:4818219.0/18

Out: 175.434+/-0.044 χ^2/NDF:4672997.4/22

All: 165.145+/-0.030 χ^2/NDF: 9592277.6/41



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -40.332+/-24.326 χ^2/NDF:0.3/2

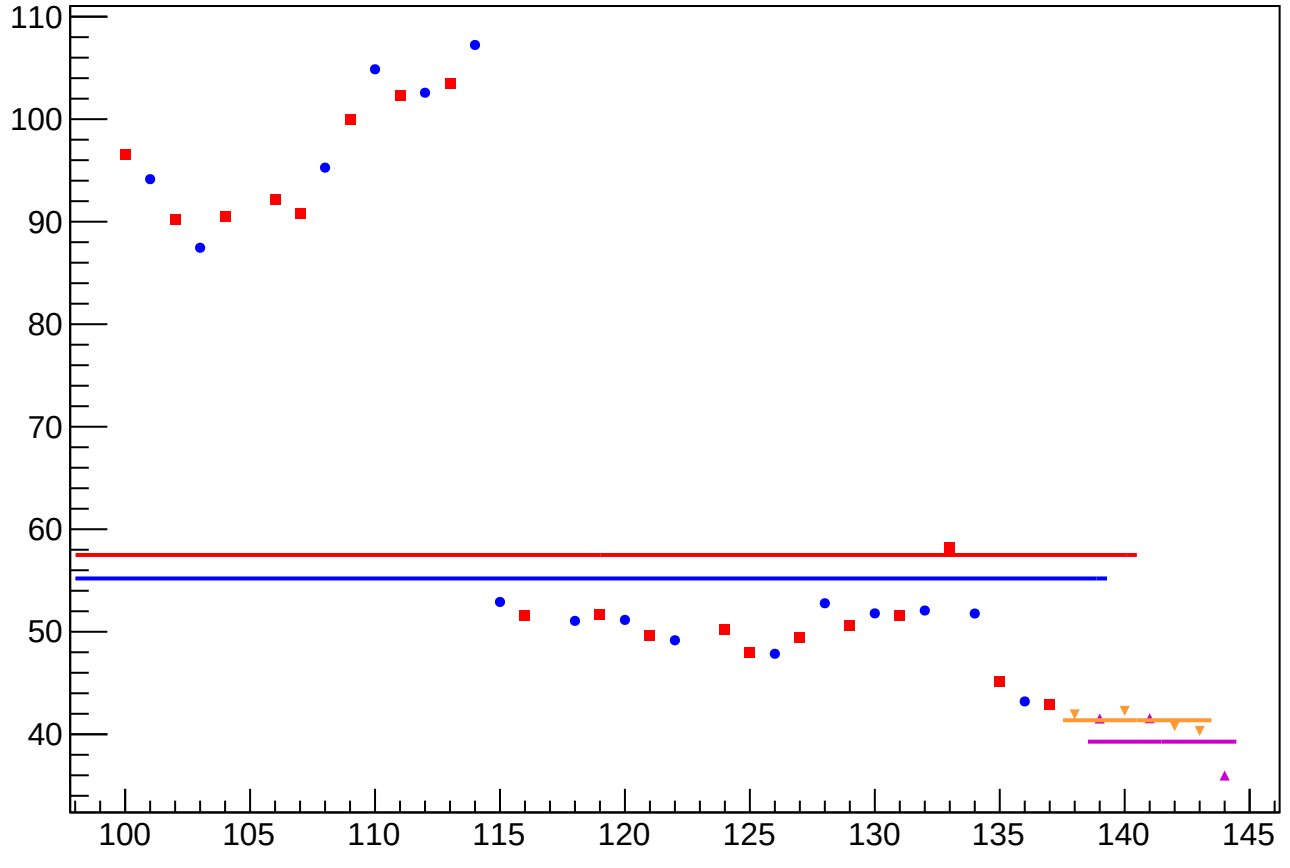
Left: -5.584+/-17.232 χ^2/NDF: 6.2/6

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -64.804+/-16.082 χ^2/NDF:12.6/18

Out: -1.159+/-16.371 χ^2/NDF:27.6/22

All: -33.549+/-11.473 χ^2/NDF: 47.9/41



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.280+/-0.017 χ^2/NDF:25353.3/2

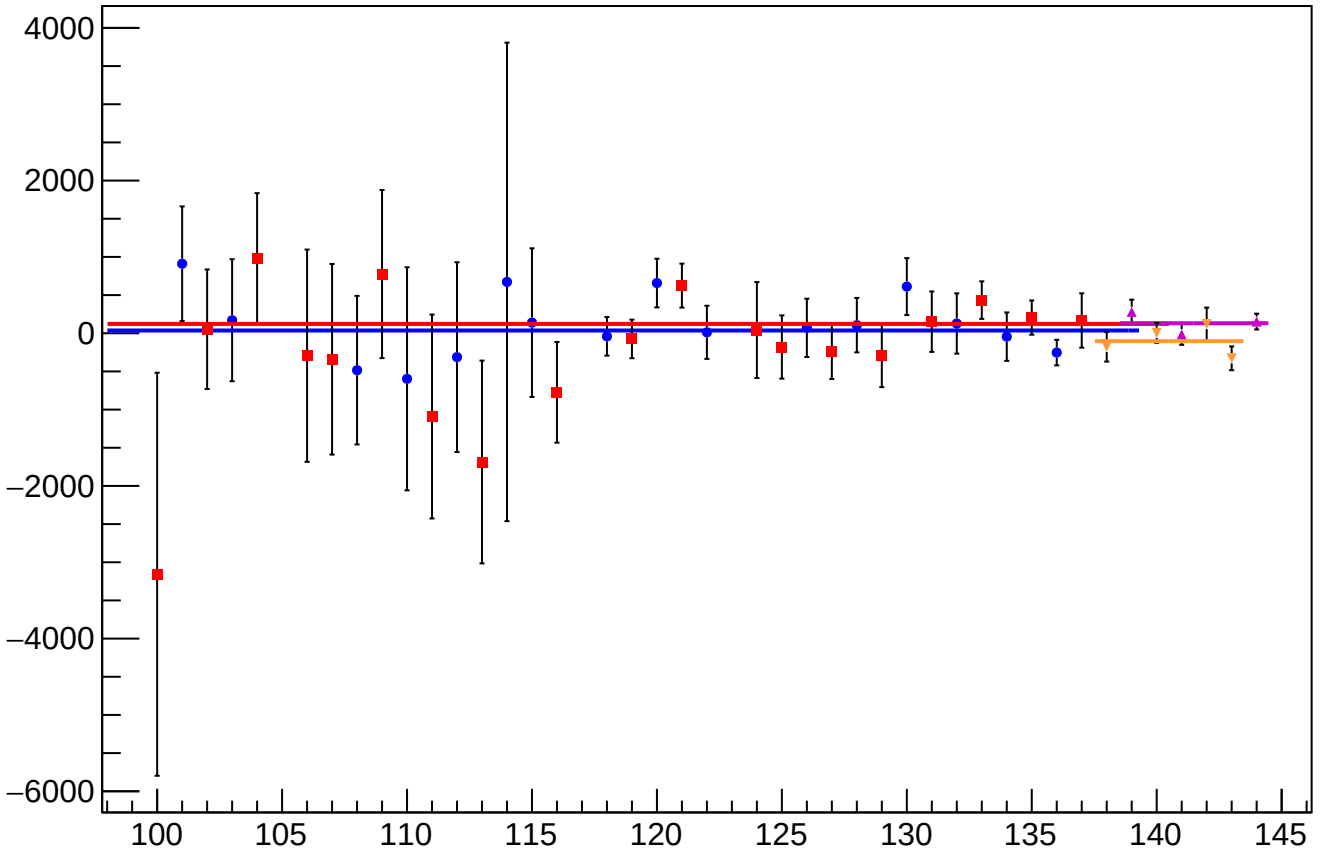
Left: 40.322+/-0.012 χ^2/NDF: 35044.8/6

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 48.241+/-0.011 χ^2/NDF:1660008.3/18

Out: 50.241+/-0.012 χ^2/NDF:1756556.0/22

All: 49.223+/-0.008 χ^2/NDF: 3431766.8/41



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 131.482+/-73.270 χ^2/NDF:2.1/2

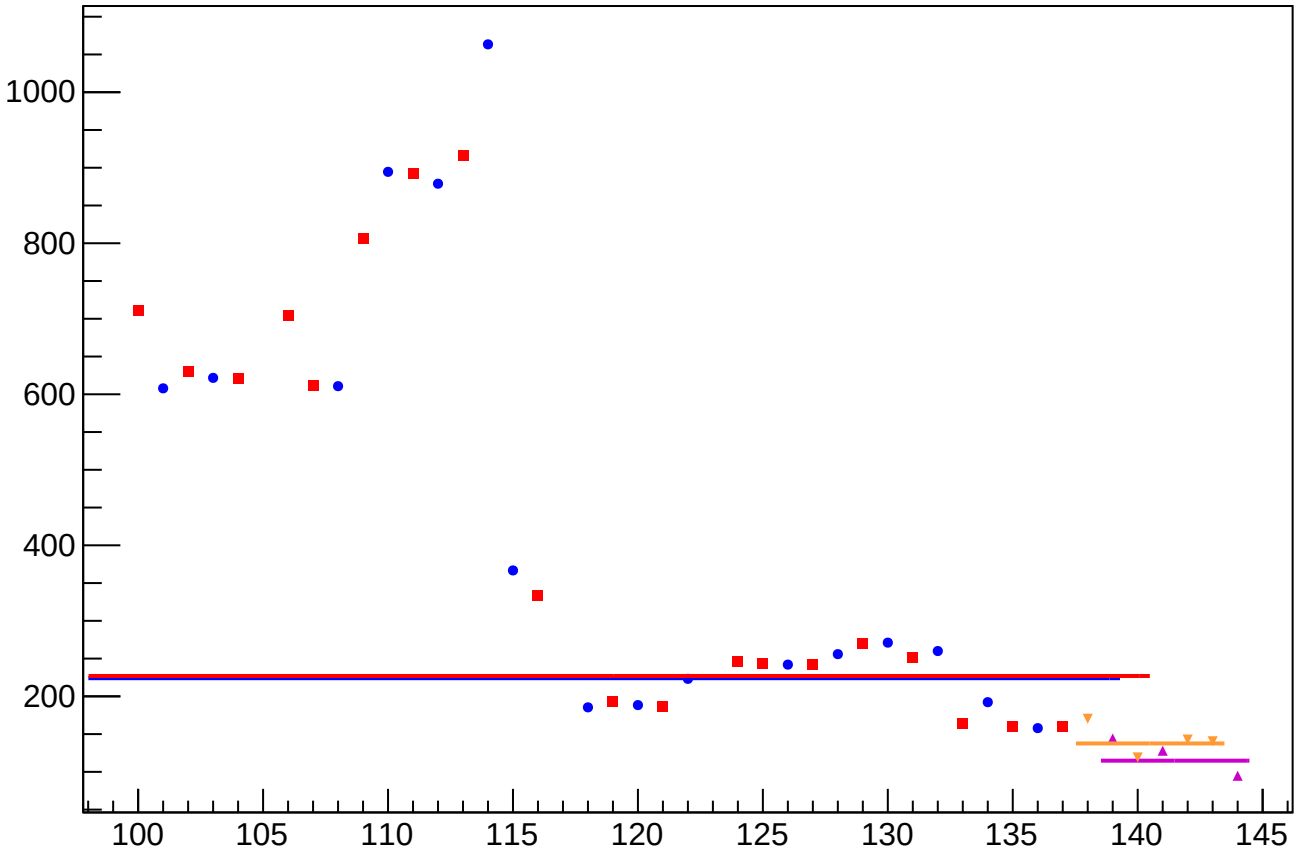
Left: 27.381+/-54.665 χ^2/NDF: 10.6/6

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 95.310+/-57.687 χ^2/NDF:14.1/18

Out: -7.860+/-62.356 χ^2/NDF:22.8/22

All: 47.731+/-42.345 χ^2/NDF: 38.4/41



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 114.819+/-0.052 χ^2/NDF:160712.7/2

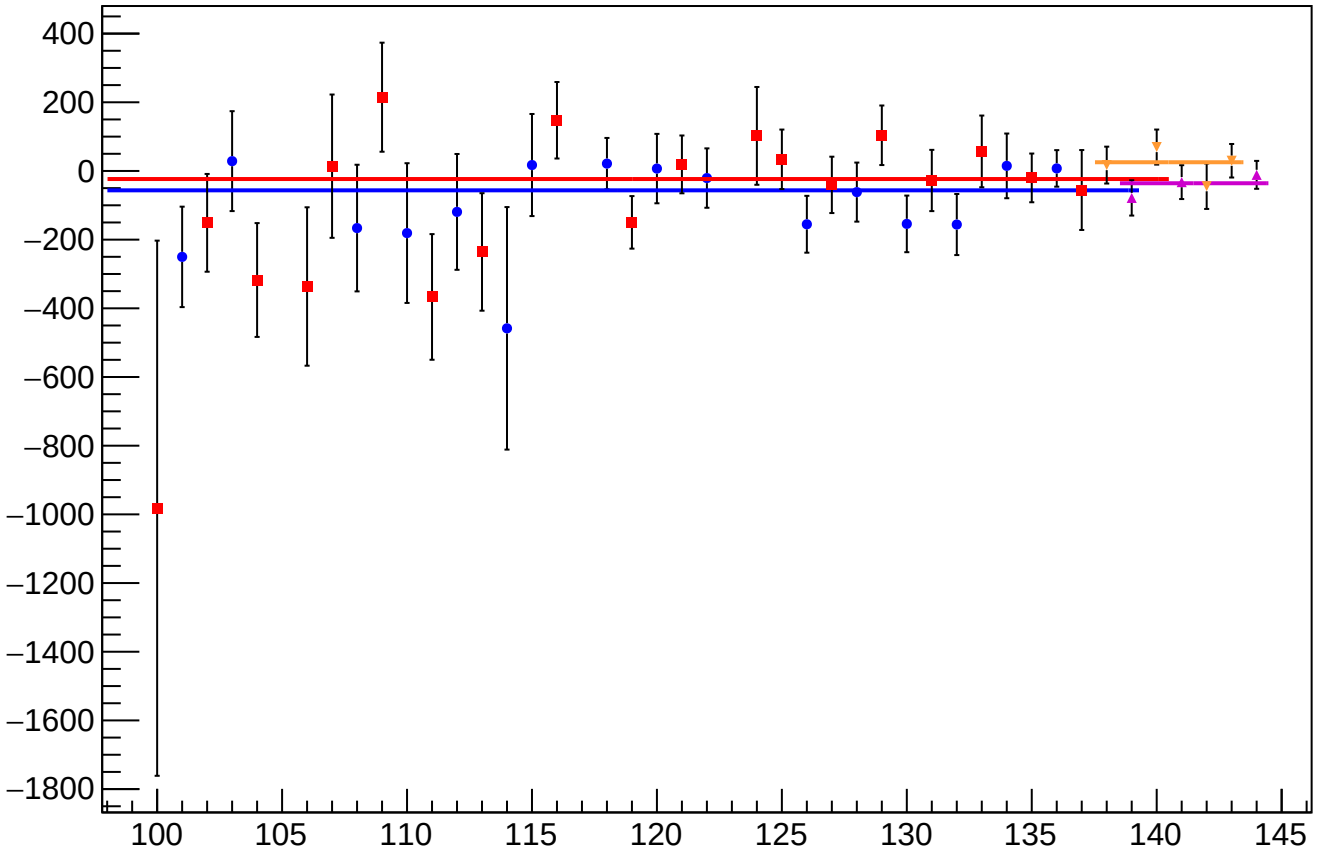
Left: 124.937+/-0.039 χ^2/NDF: 345833.6/6

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 156.339+/-0.041 χ^2/NDF:4818219.0/18

Out: 175.434+/-0.044 χ^2/NDF:4672997.4/22

All: 165.145+/-0.030 χ^2/NDF: 9592277.6/41



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -35.776+/-26.776 χ^2/NDF:1.1/2

Left: -5.377+/-18.989 χ^2/NDF: 5.5/6

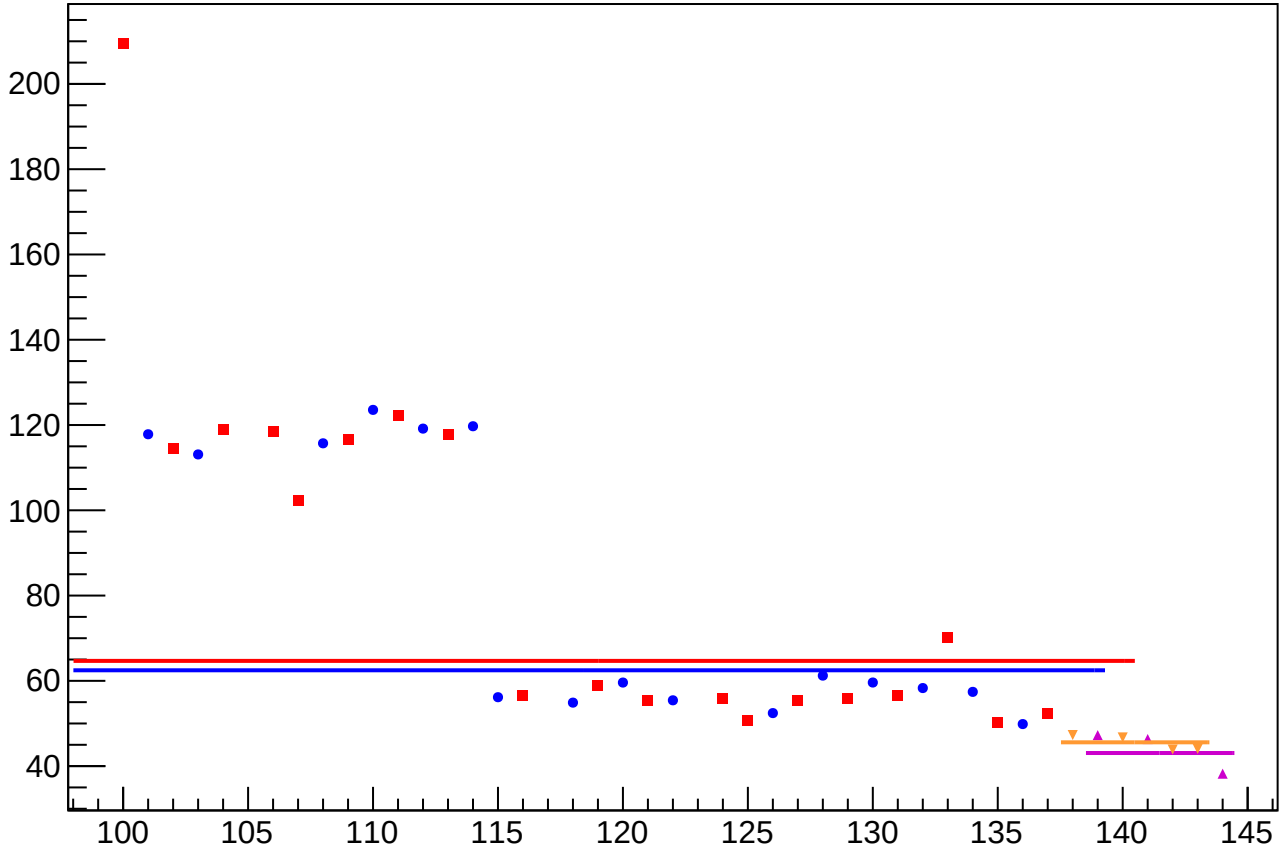
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -47.014+/-18.071 χ^2/NDF:13.6/18

Out: -0.720+/-18.386 χ^2/NDF:27.7/22

All: -24.266+/-12.888 χ^2/NDF: 44.6/41

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.581+/-0.019 χ^2/NDF:6306.8/3

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 43.073+/-0.019 χ^2/NDF:50595.8/2

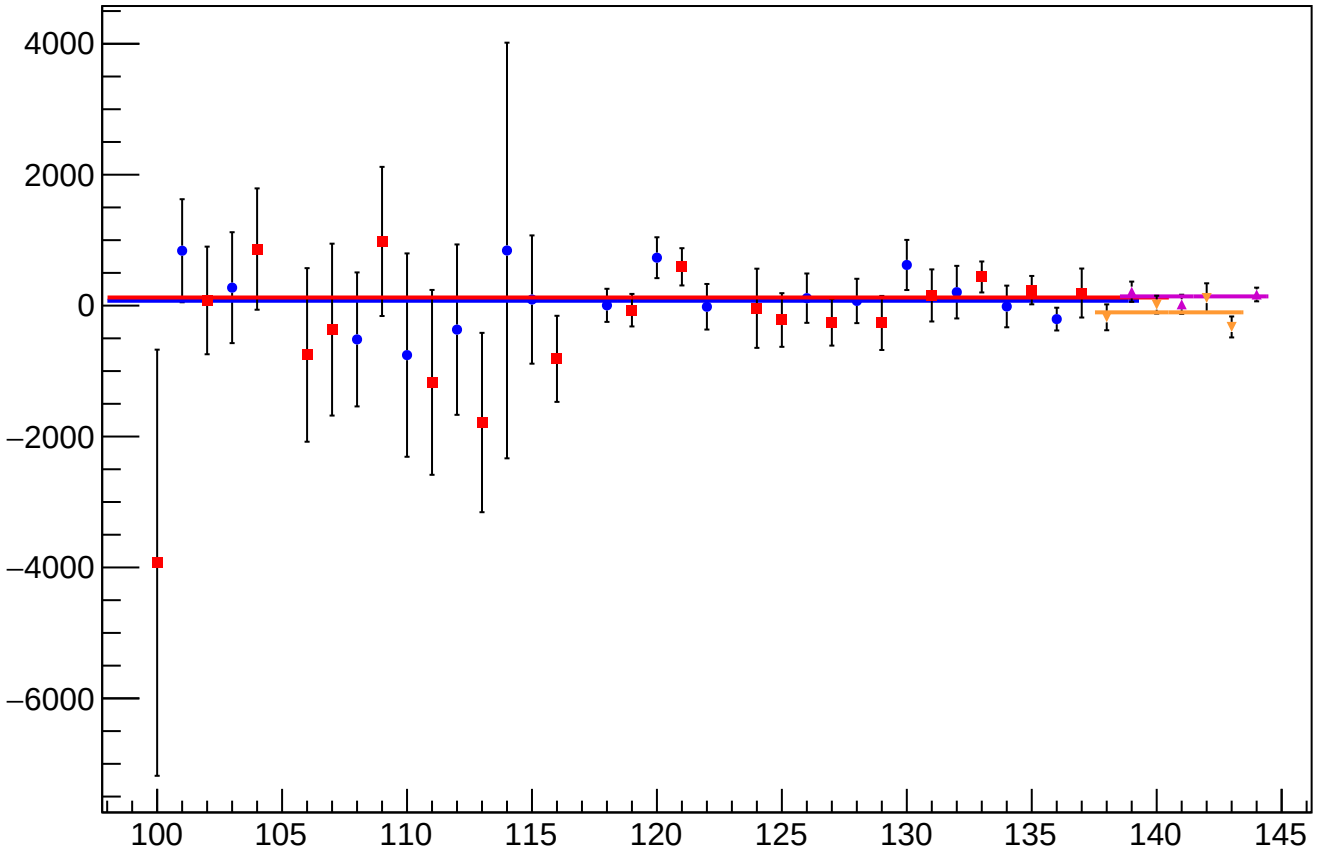
Left: 44.320+/-0.013 χ^2/NDF: 65620.5/6

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 53.638+/-0.013 χ^2/NDF:1970553.0/18

Out: 55.779+/-0.013 χ^2/NDF:2133851.5/22

All: 54.690+/-0.009 χ^2/NDF: 4118207.9/41



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -102.716+/-85.042 χ^2/NDF:3.8/3

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 140.957+/-74.560 χ^2/NDF:1.0/2

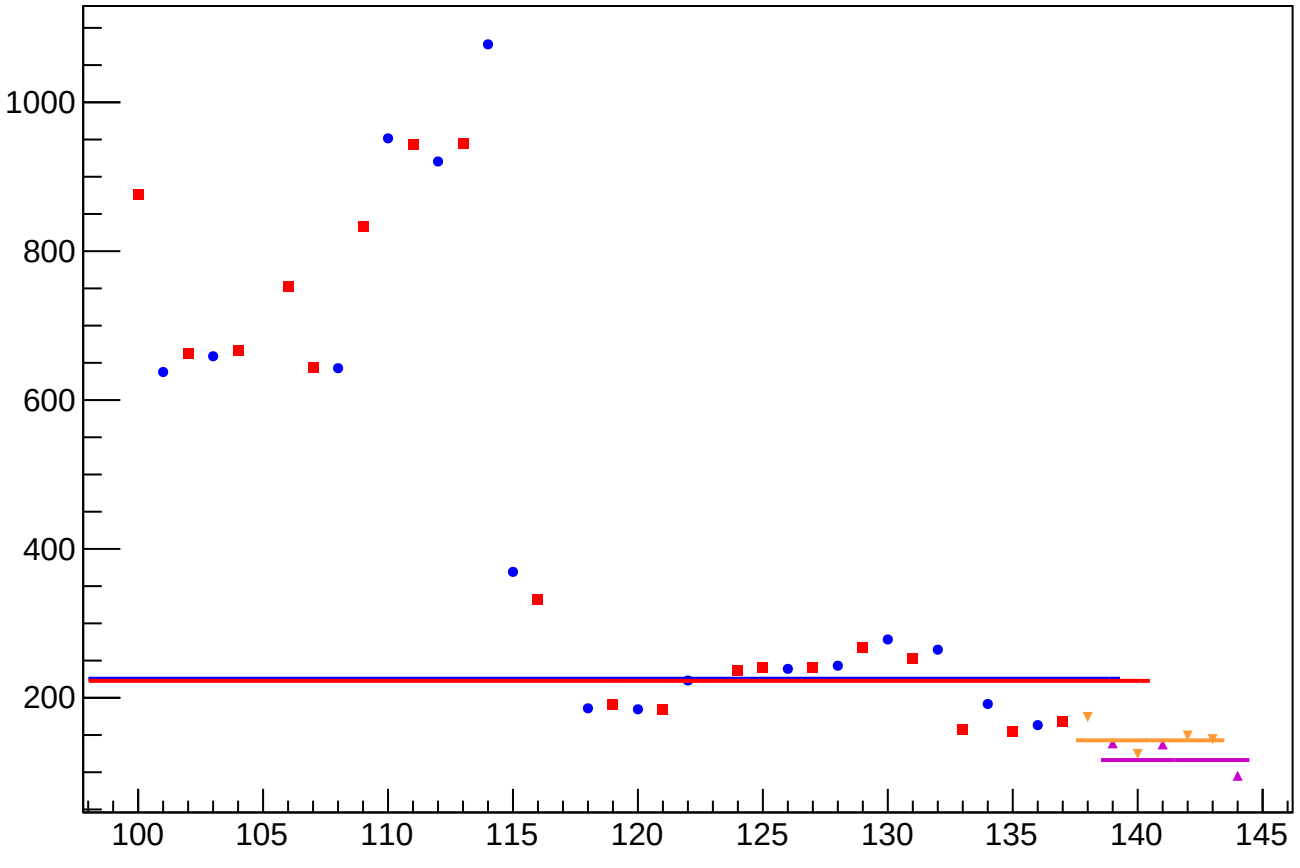
Left: 35.054+/-56.064 χ^2/NDF: 9.4/6

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 115.378+/-58.533 χ^2/NDF:12.5/18

Out: -1.375+/-63.263 χ^2/NDF:23.3/22

All: 61.529+/-42.964 χ^2/NDF: 37.6/41



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 142.903+/-0.060 χ^2/NDF:87989.6/3

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 116.404+/-0.053 χ^2/NDF:165184.9/2

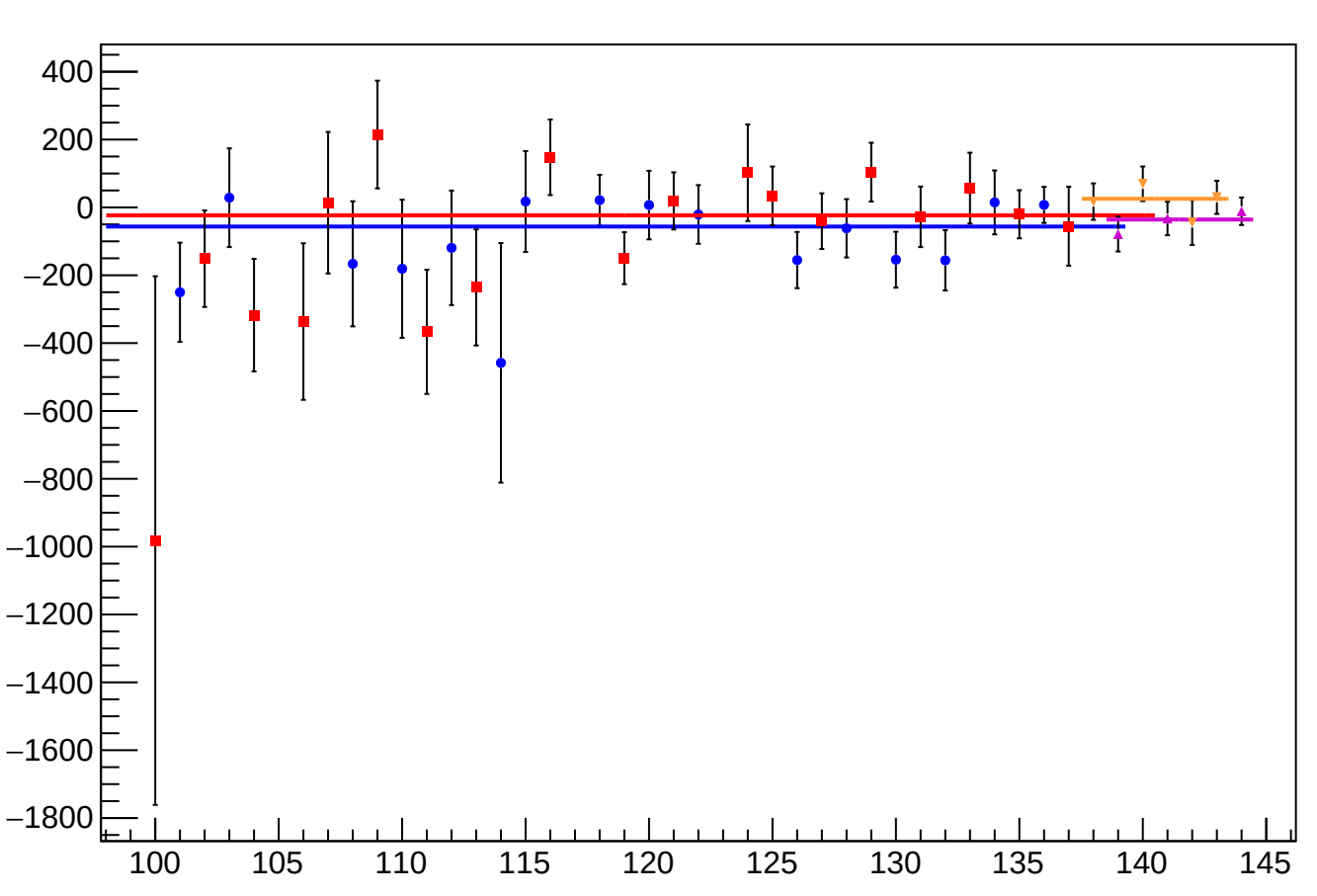
Left: 127.921+/-0.040 χ^2/NDF: 362975.0/6

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 158.309+/-0.041 χ^2/NDF:4837654.0/18

Out: 178.579+/-0.045 χ^2/NDF:4724264.8/22

All: 167.658+/-0.030 χ^2/NDF: 9672542.6/41



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -35.775+/-26.776 χ^2/NDF:1.1/2

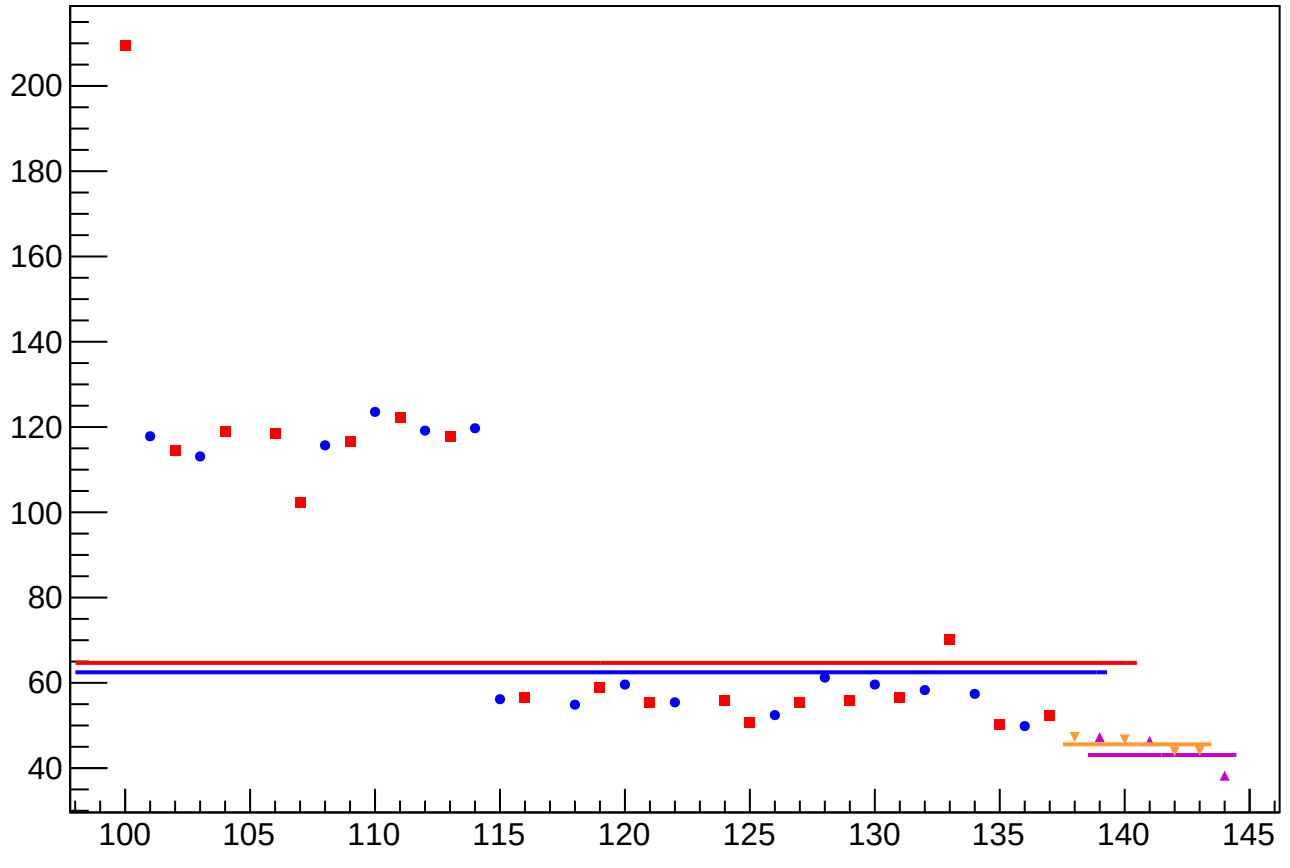
Left: -5.377+/-18.989 χ^2/NDF: 5.5/6

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -47.014+/-18.071 χ^2/NDF:13.6/18

Out: -0.721+/-18.386 χ^2/NDF:27.7/22

All: -24.267+/-12.888 χ^2/NDF: 44.6/41



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.581+/-0.019 χ^2/NDF:6305.6/3

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 43.073+/-0.019 χ^2/NDF:50594.5/2

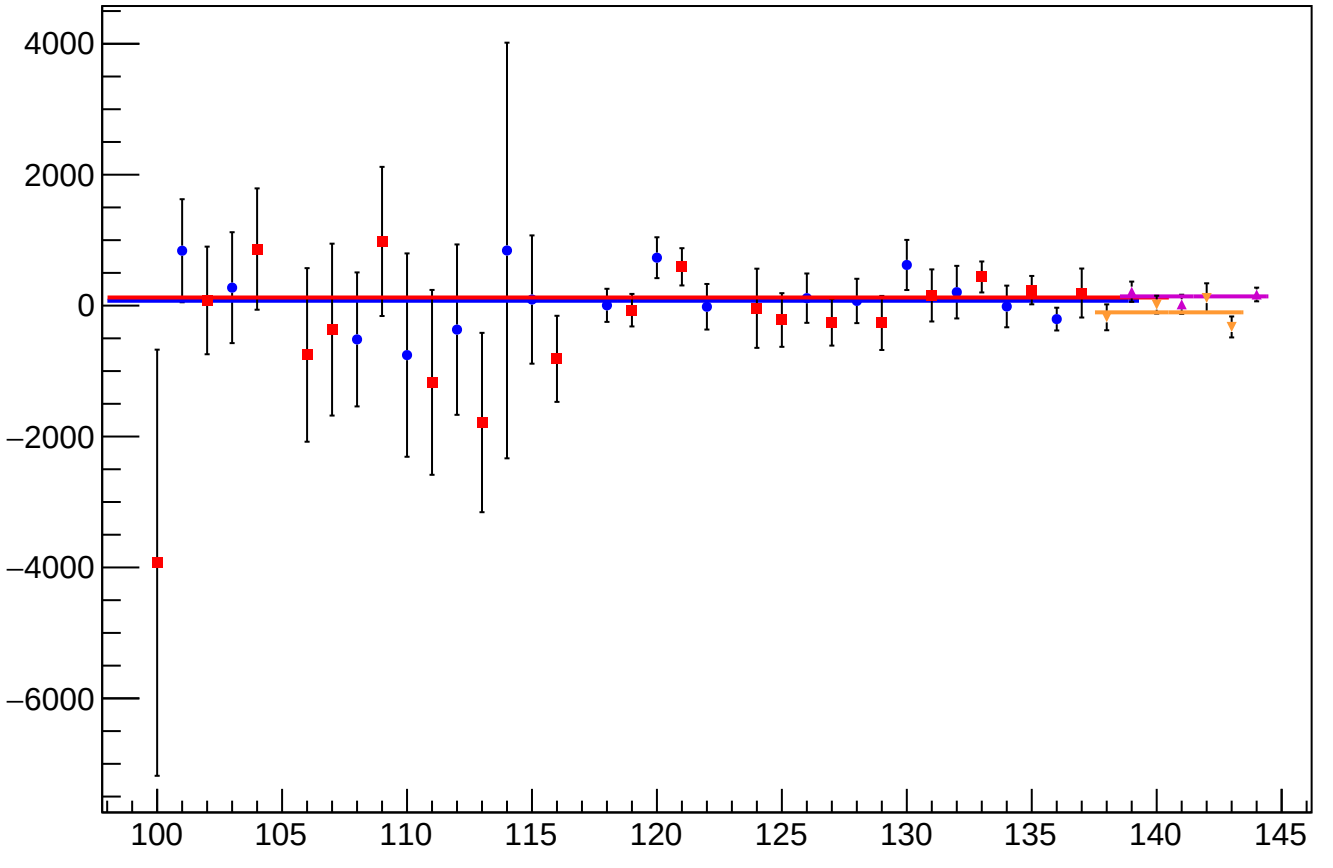
Left: 44.320+/-0.013 χ^2/NDF: 65618.7/6

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 53.638+/-0.013 χ^2/NDF:1970500.3/18

Out: 55.779+/-0.013 χ^2/NDF:2133803.4/22

All: 54.690+/-0.009 χ^2/NDF: 4118109.3/41



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -102.715+/-85.042 χ^2/NDF:3.8/3

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 140.958+/-74.561 χ^2/NDF:1.0/2

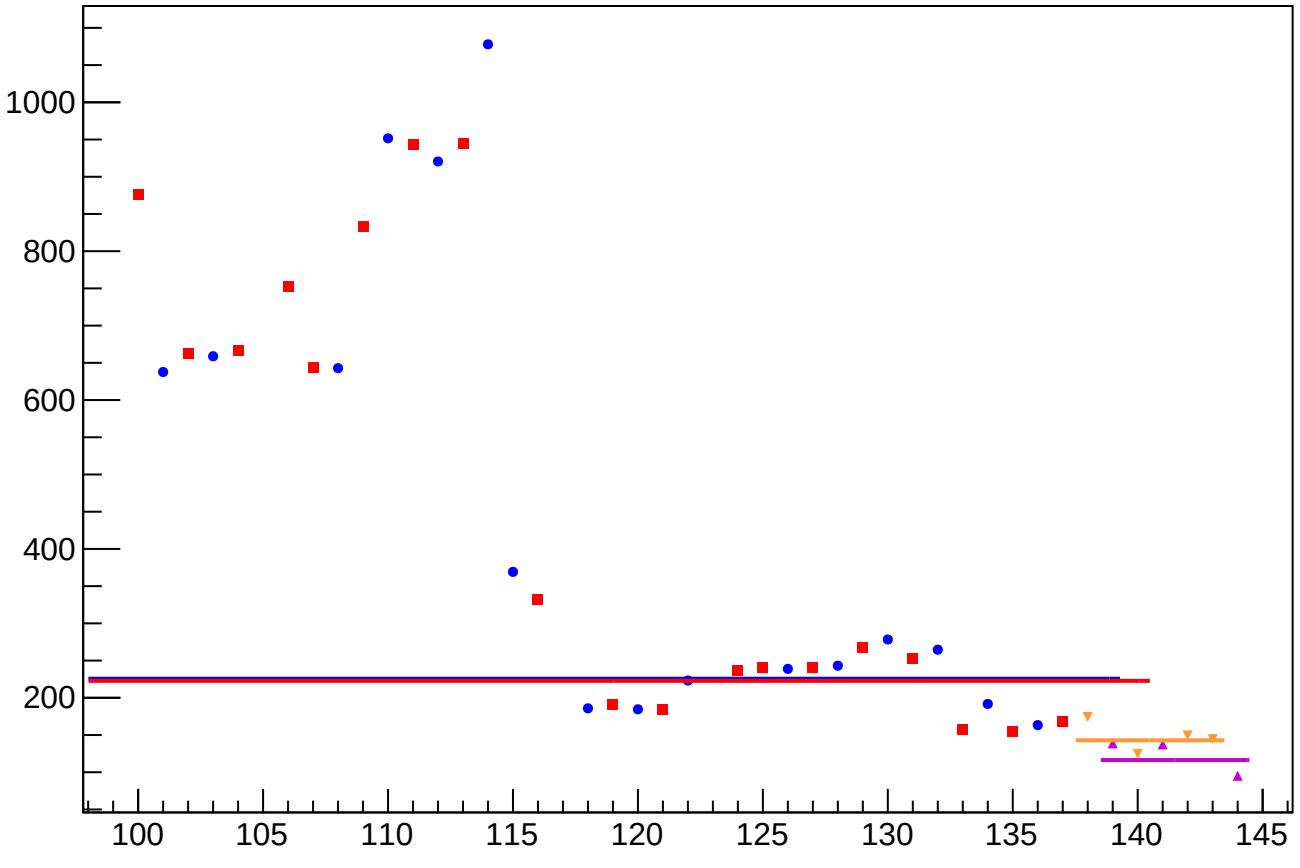
Left: 35.055+/-56.064 χ^2/NDF: 9.4/6

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 115.378+/-58.533 χ^2/NDF:12.5/18

Out: -1.375+/-63.263 χ^2/NDF:23.3/22

All: 61.530+/-42.964 χ^2/NDF: 37.6/41



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 142.904+/-0.060 χ^2/NDF:87989.4/3

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 116.404+/-0.053 χ^2/NDF:165188.5/2

Left: 127.921+/-0.040 χ^2/NDF: 362981.3/6

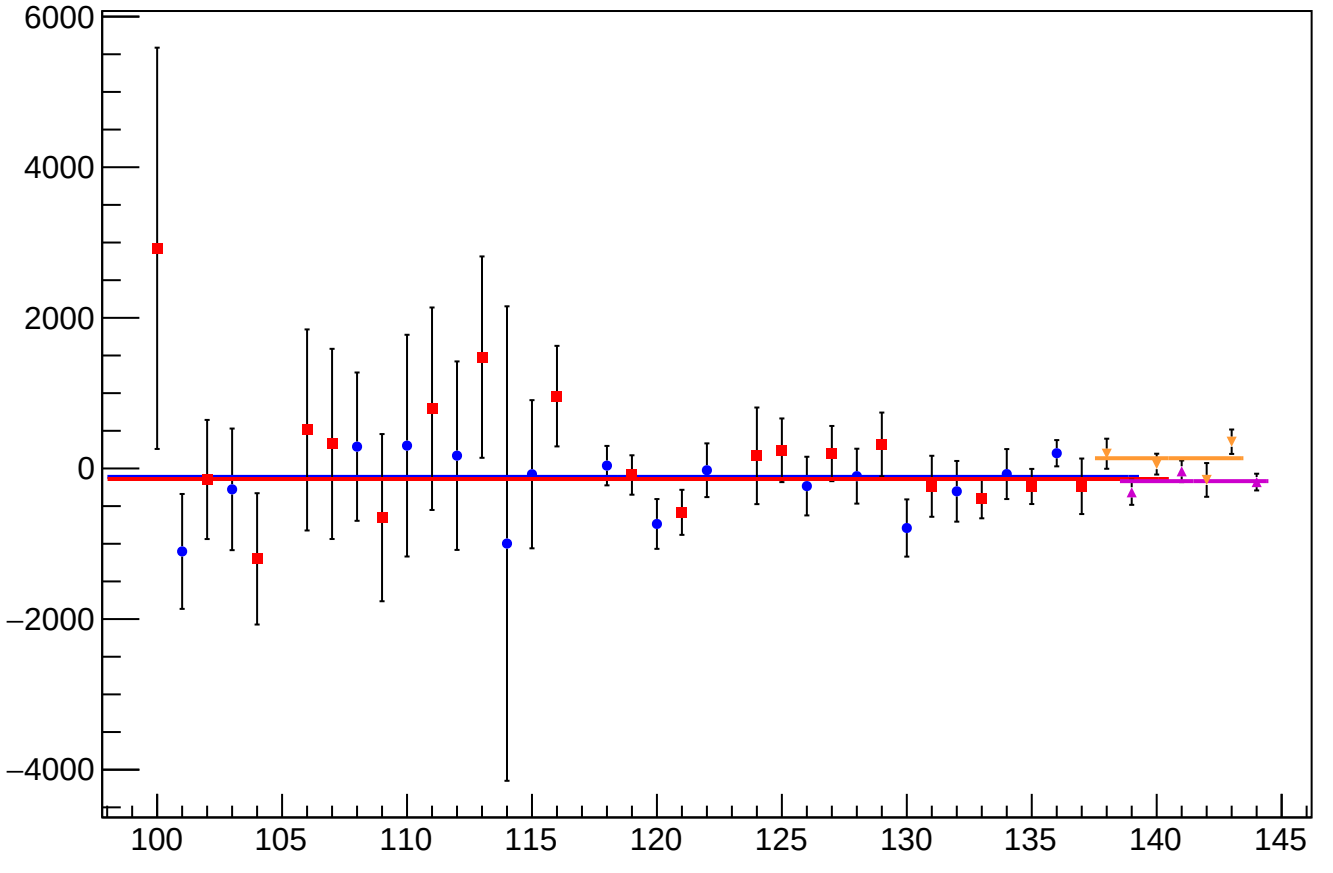
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 158.310+/-0.041 χ^2/NDF:4837627.3/18

Out: 178.580+/-0.045 χ^2/NDF:4724231.2/22

All: 167.659+/-0.030 χ^2/NDF: 9672486.1/41

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 135.855+/-85.984 χ^2/NDF:3.9/3

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -168.374+/-77.661 χ^2/NDF:1.6/2

Left: -31.693+/-57.633 χ^2/NDF: 12.4/6

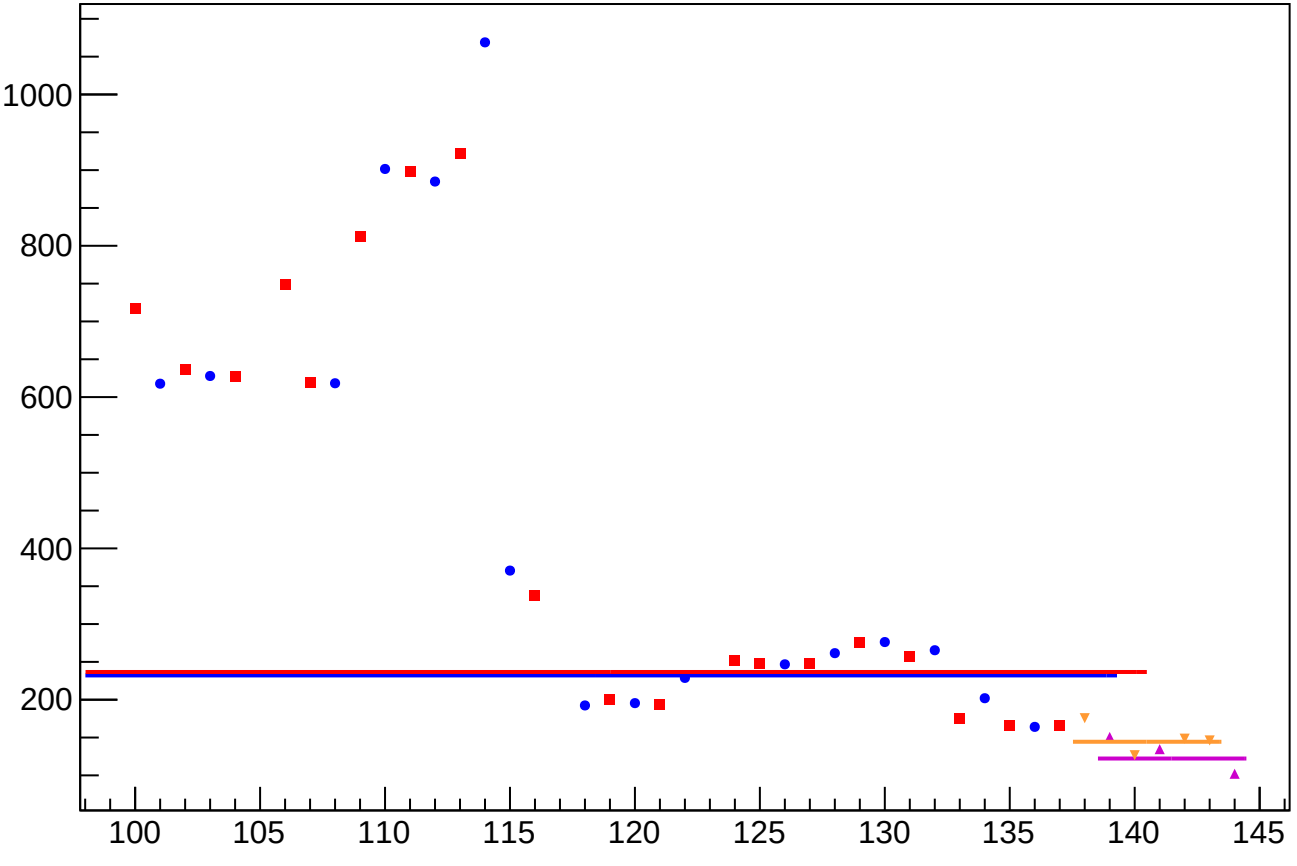
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -146.196+/-60.514 χ^2/NDF:14.7/18

Out: 17.491+/-64.966 χ^2/NDF:23.0/22

All: -70.153+/-44.280 χ^2/NDF: 41.0/41

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.419+/-0.061 χ^2/NDF:82499.5/3

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.260+/-0.055 χ^2/NDF:139311.4/2

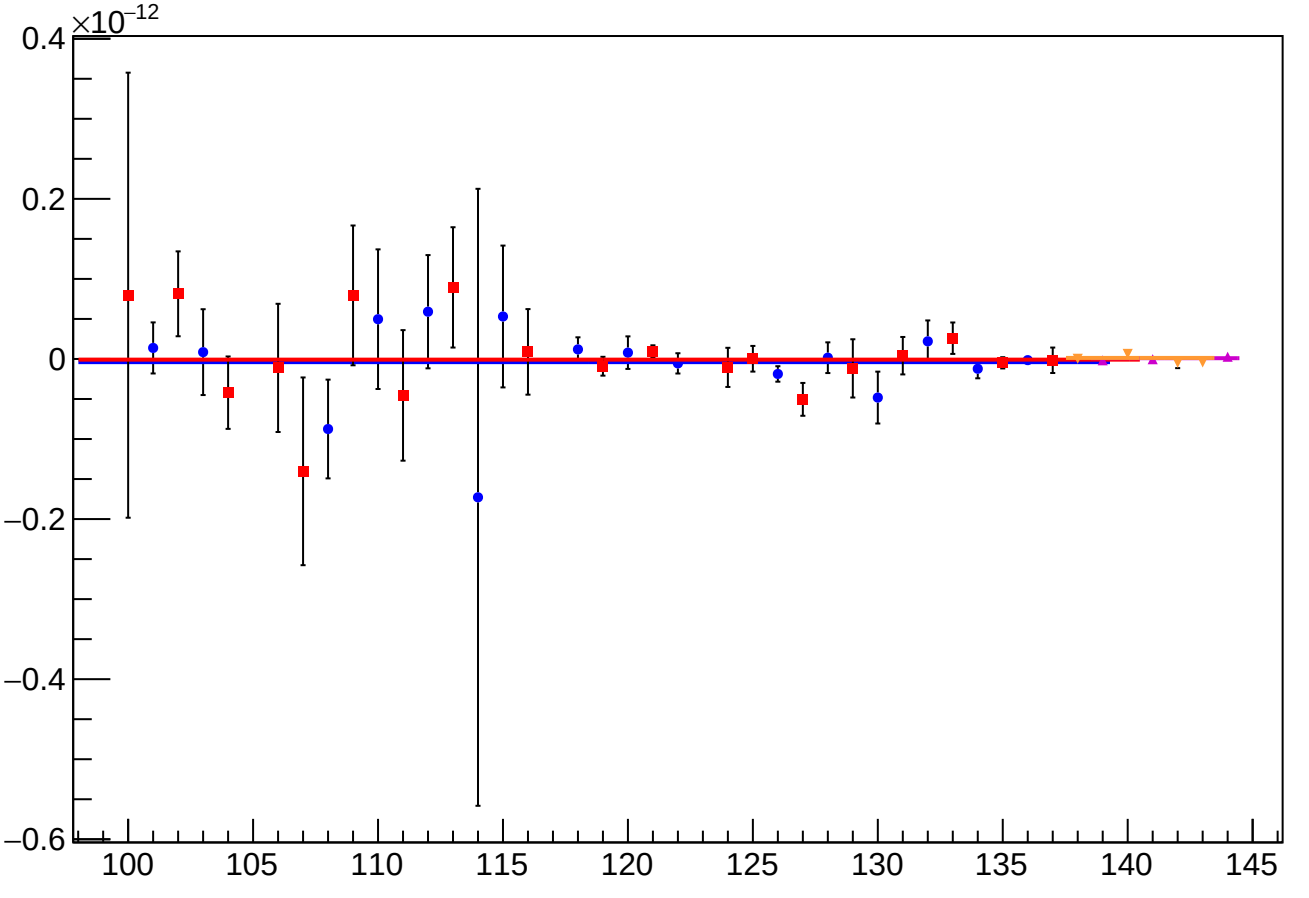
Left: 132.215+/-0.041 χ^2/NDF: 294968.9/6

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 165.411+/-0.043 χ^2/NDF:4596663.6/18

Out: 183.996+/-0.046 χ^2/NDF:4590948.7/22

All: 174.045+/-0.031 χ^2/NDF: 9275253.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/2

Left: 0.000+/-0.000 χ^2/NDF: 4.8/6

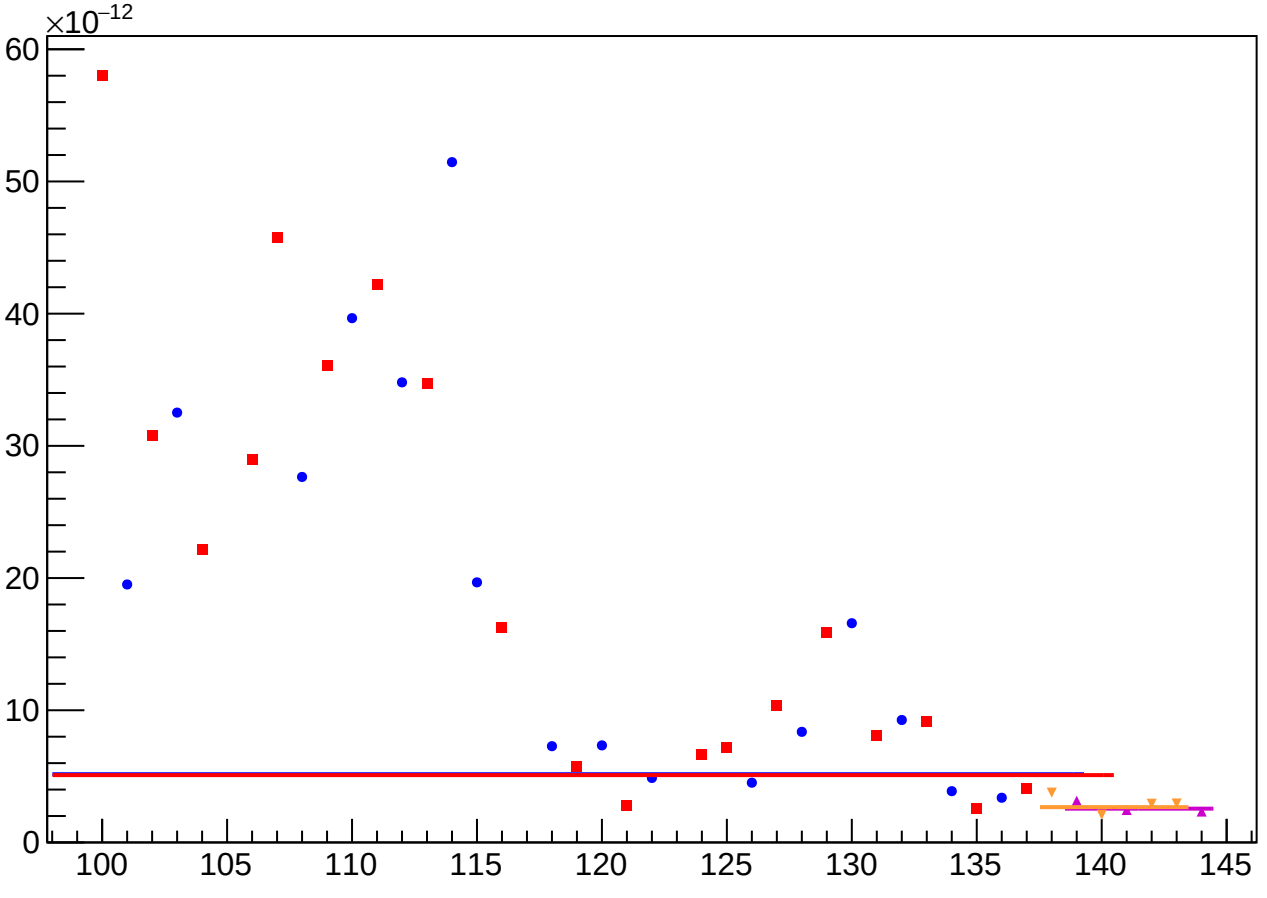
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:13.3/18

Out: 0.000+/-0.000 χ^2/NDF:22.4/22

All: 0.000+/-0.000 χ^2/NDF: 35.9/41

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:122863.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:37287.1/2

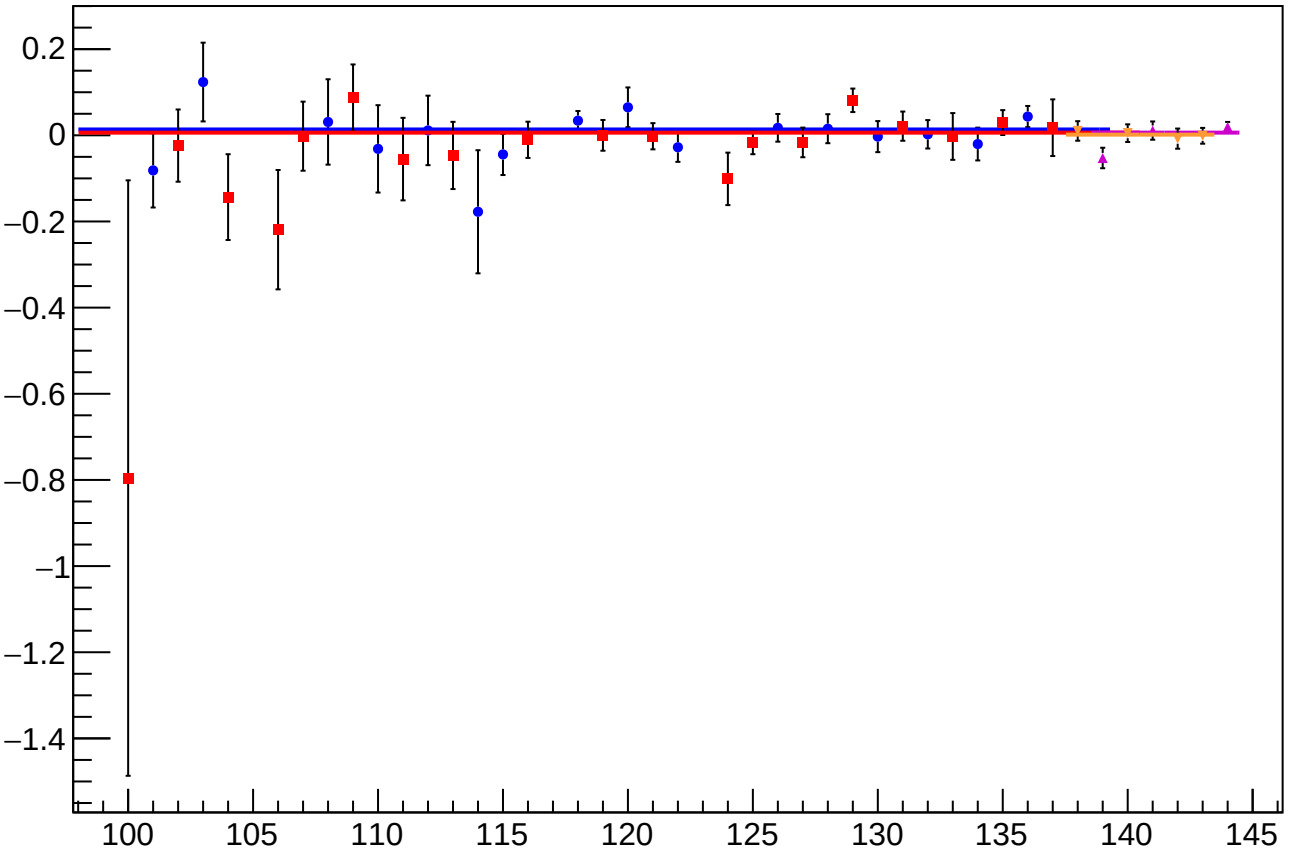
Left: 0.000+/-0.000 χ^2/NDF: 162348.9/6

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3360137.0/18

Out: 0.000+/-0.000 χ^2/NDF:3902414.8/22

All: 0.000+/-0.000 χ^2/NDF: 7262552.1/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/2

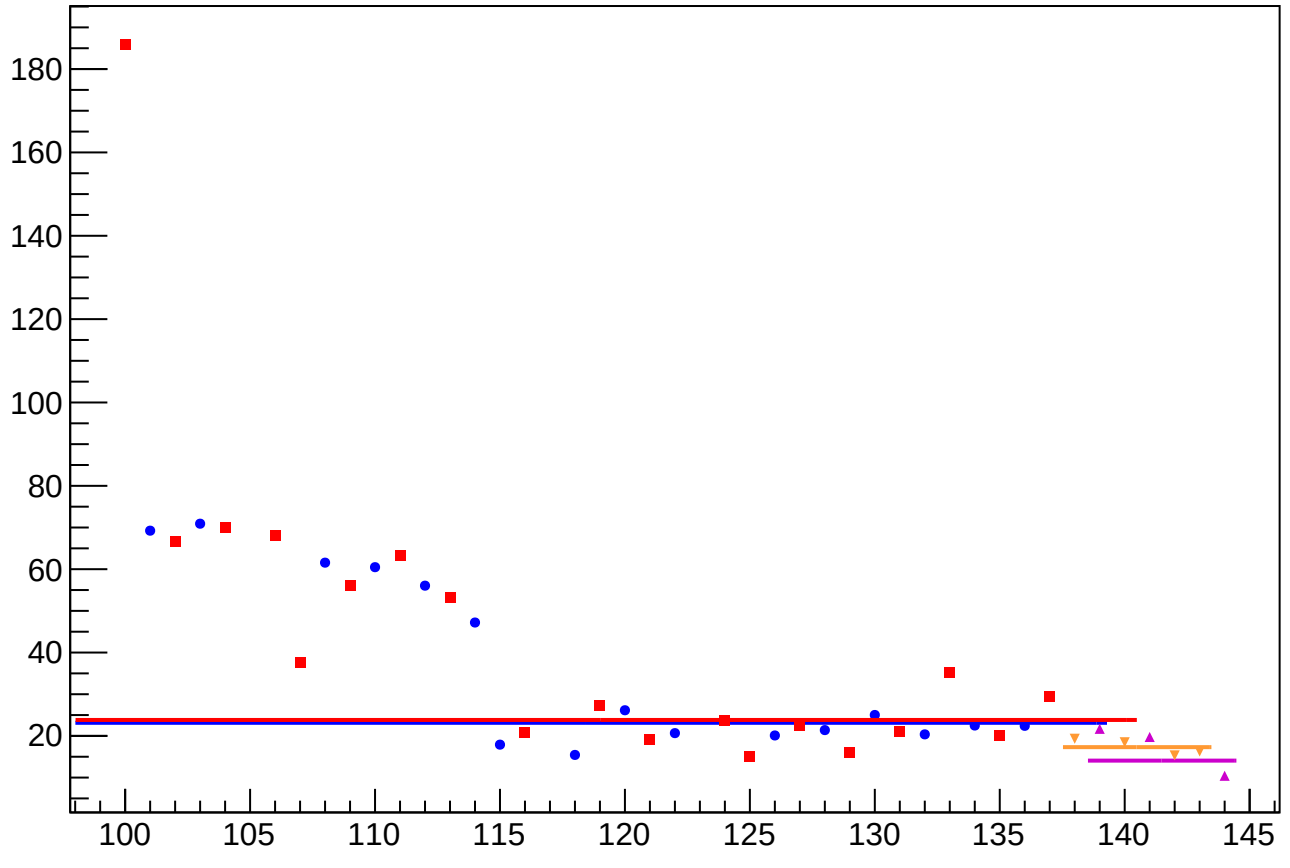
Left: 0.004+/-0.007 χ^2/NDF: 7.9/6

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.010+/-0.007 χ^2/NDF:20.0/18

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.007+/-0.005 χ^2/NDF: 42.3/41



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.303+/-0.007 χ^2/NDF:42973.0/3

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.069+/-0.007 χ^2/NDF:539498.3/2

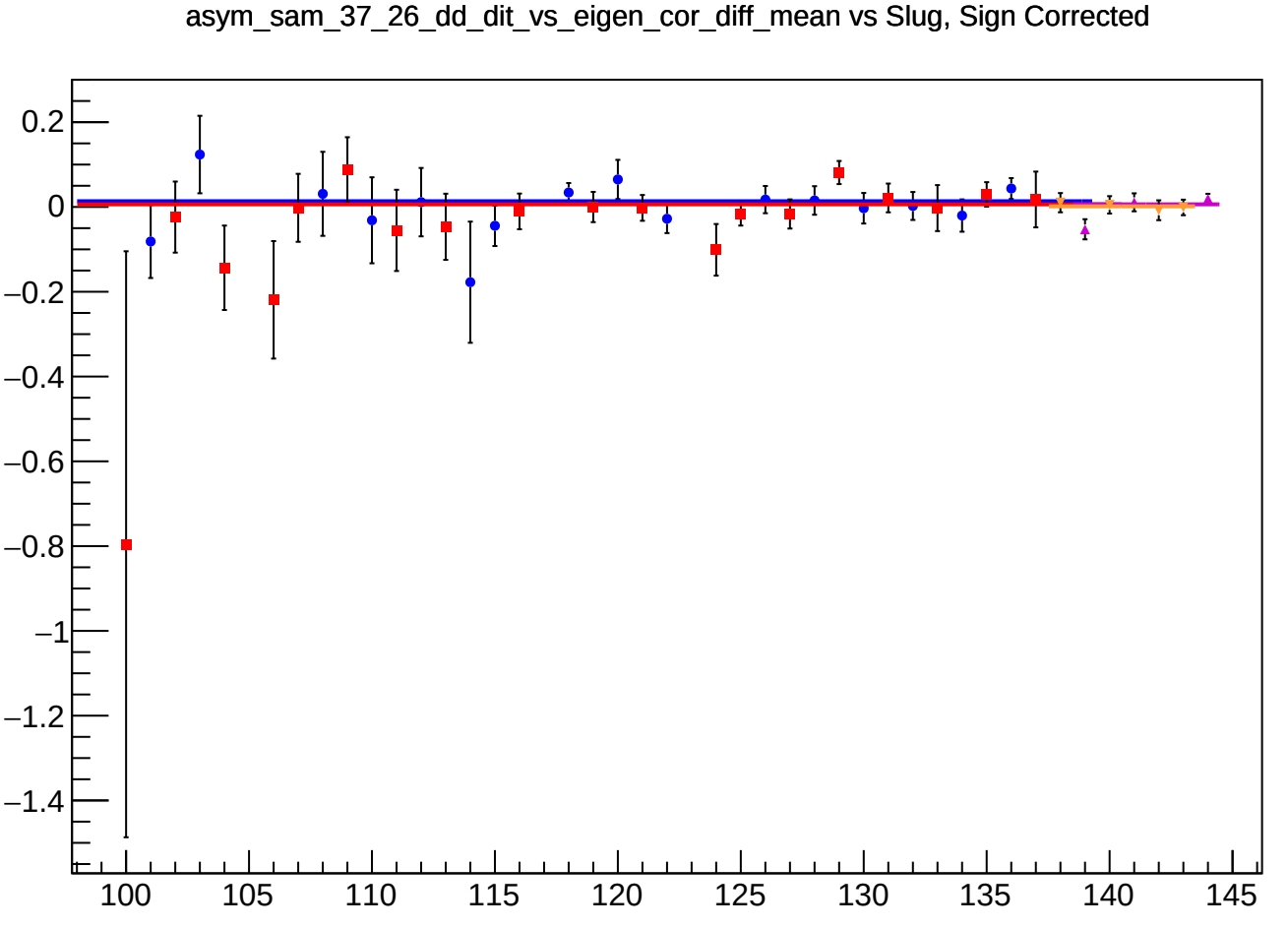
Left: 15.521+/-0.005 χ^2/NDF: 687571.0/6

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

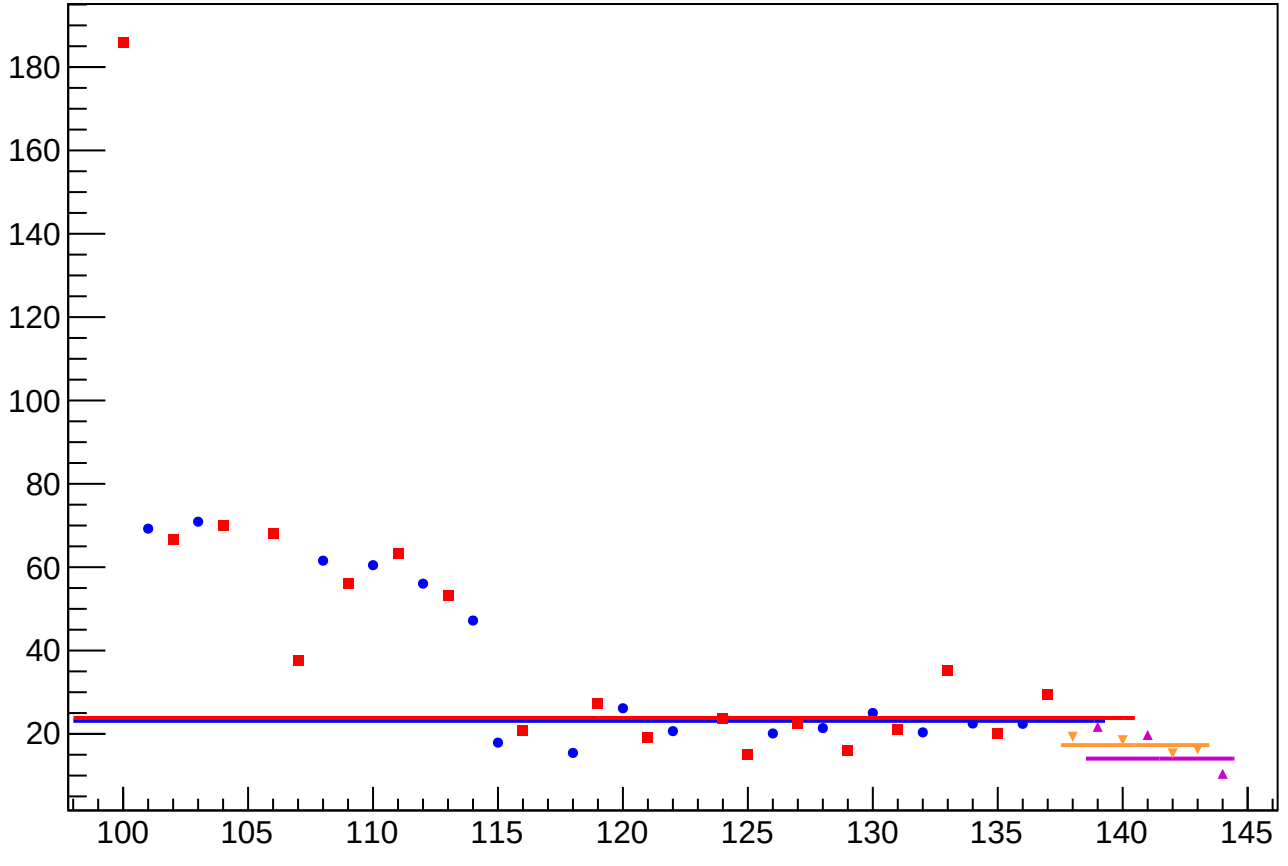
In: 18.423+/-0.005 χ^2/NDF:3830059.0/18

Out: 20.692+/-0.005 χ^2/NDF:3345029.3/22

All: 19.487+/-0.004 χ^2/NDF: 7278952.8/41


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.002+/-0.010 χ²/NDF:0.3/3
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.006+/-0.009 χ²/NDF:7.4/2
Left: 0.004+/-0.007 χ²/NDF: 7.9/6
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.010+/-0.007 χ²/NDF:20.0/18
Out: 0.004+/-0.007 χ²/NDF:21.9/22
All: 0.007+/-0.005 χ²/NDF: 42.3/41

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: 17.303+/-0.007 χ^2/NDF:42973.0/3

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.069+/-0.007 χ^2/NDF:539498.3/2

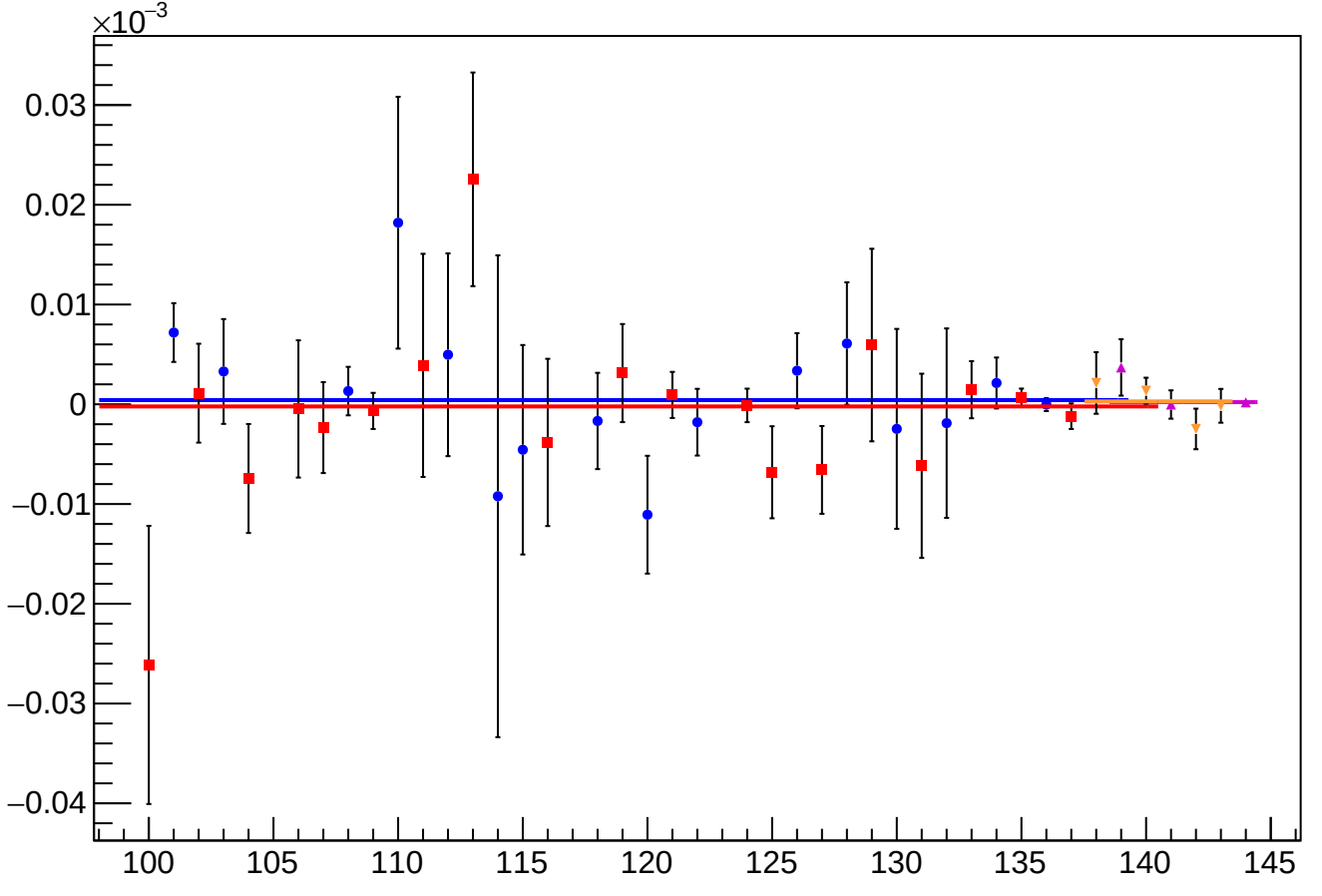
Left: 15.521+/-0.005 χ^2/NDF: 687571.0/6

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.423+/-0.005 χ^2/NDF:3830059.0/18

Out: 20.692+/-0.005 χ^2/NDF:3345029.3/22

All: 19.487+/-0.004 χ^2/NDF: 7278952.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/2

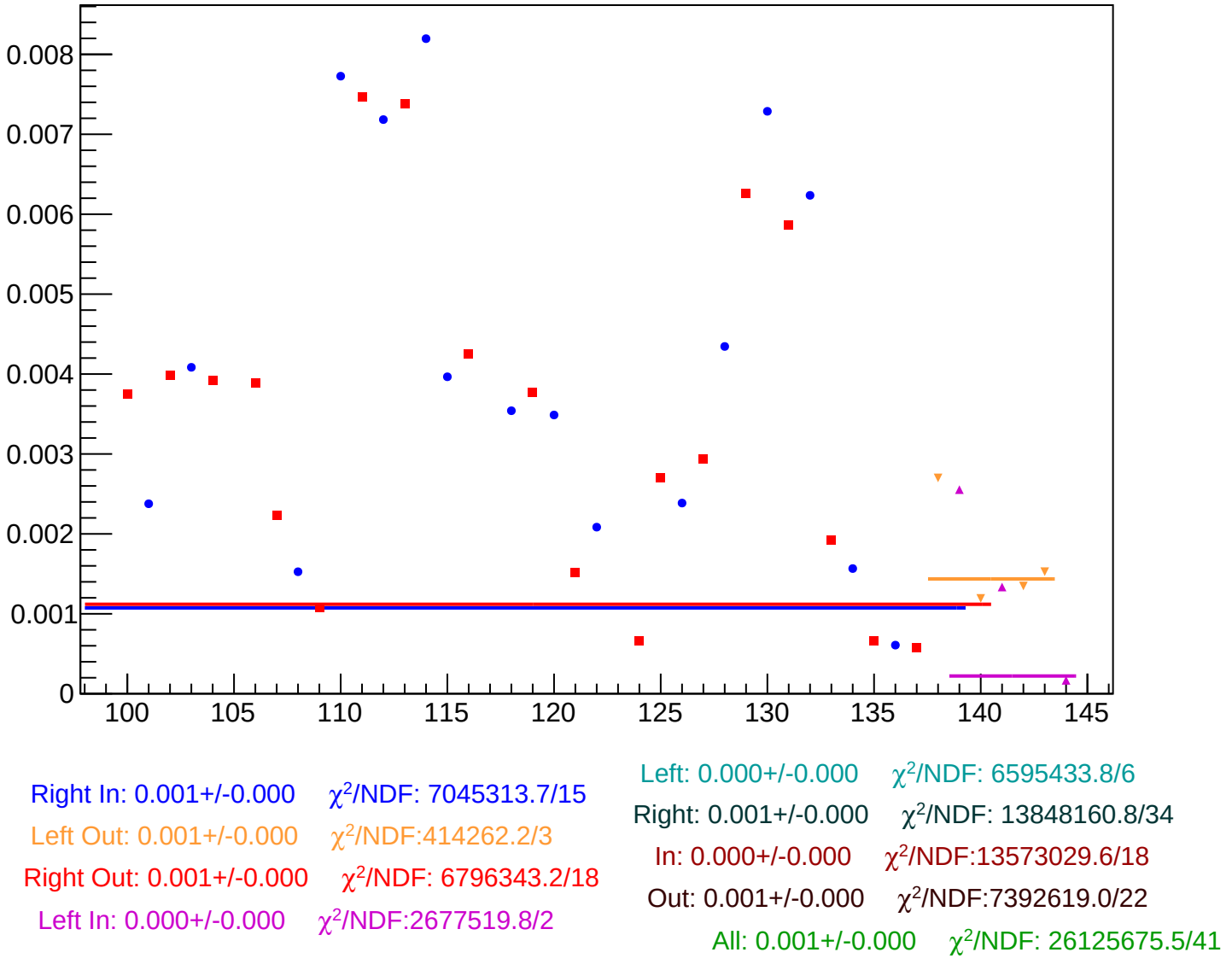
Left: 0.000+/-0.000 χ^2/NDF: 4.5/6

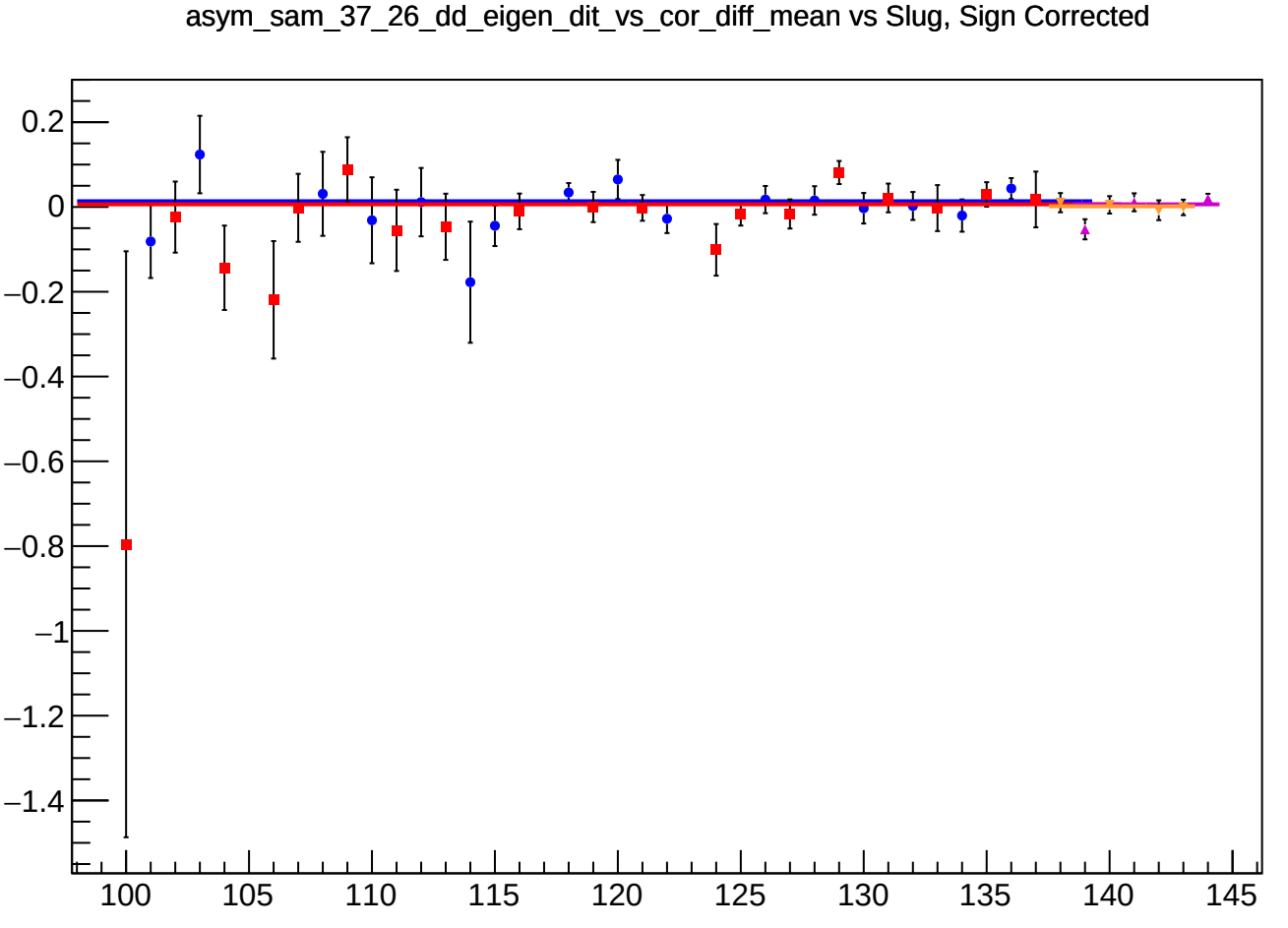
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:16.9/18

Out: -0.000+/-0.000 χ^2/NDF:21.1/22

All: 0.000+/-0.000 χ^2/NDF: 38.3/41


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:414262.2/3
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:2677519.8/2
Left: 0.000+/-0.000 χ²/NDF: 6595433.8/6
Right: 0.001+/-0.000 χ²/NDF: 13848160.8/34
In: 0.000+/-0.000 χ²/NDF:13573029.6/18
Out: 0.001+/-0.000 χ²/NDF:7392619.0/22
All: 0.001+/-0.000 χ²/NDF: 26125675.5/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/2

Left: 0.004+/-0.007 χ^2/NDF: 7.9/6

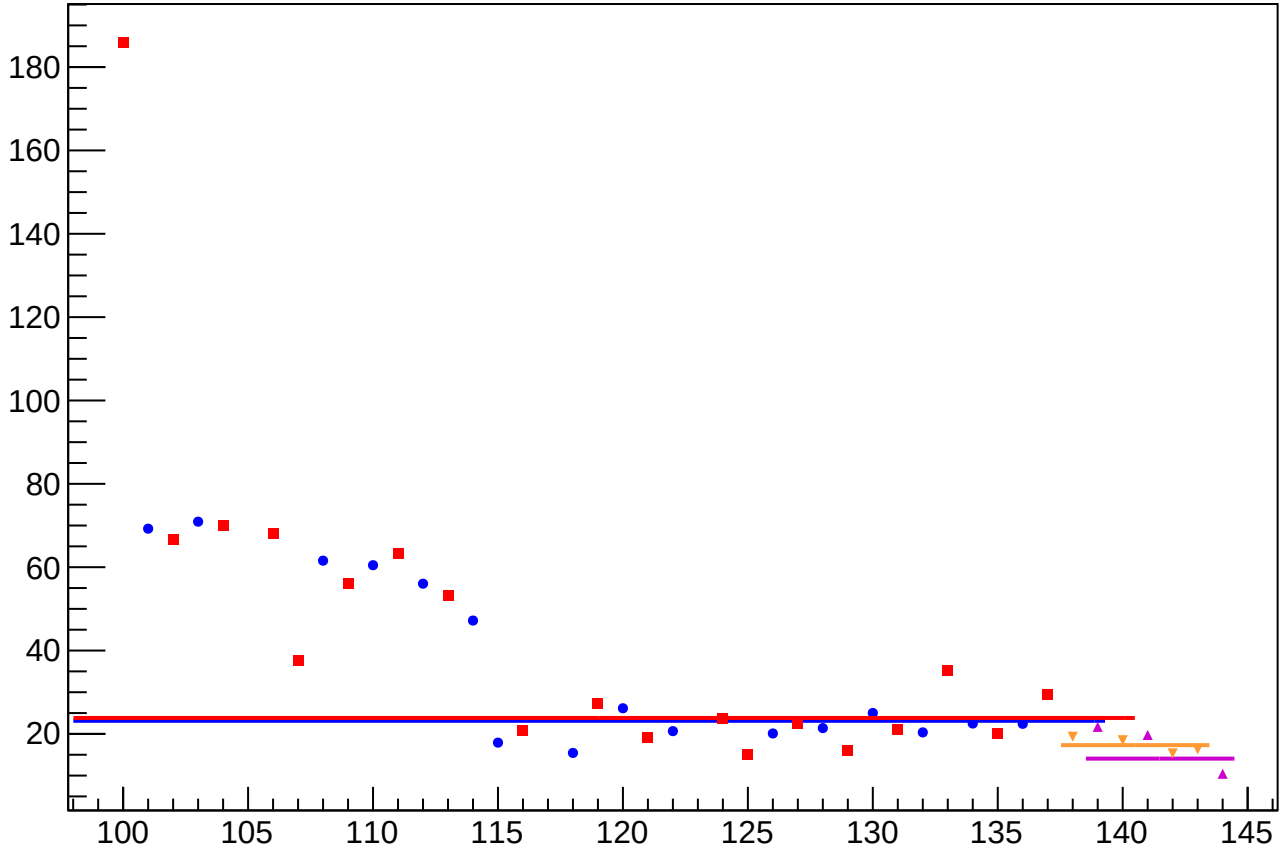
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.010+/-0.007 χ^2/NDF:20.0/18

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.007+/-0.005 χ^2/NDF: 42.3/41

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: 17.304+/-0.007 χ^2/NDF:42964.6/3

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.069+/-0.007 χ^2/NDF:539483.3/2

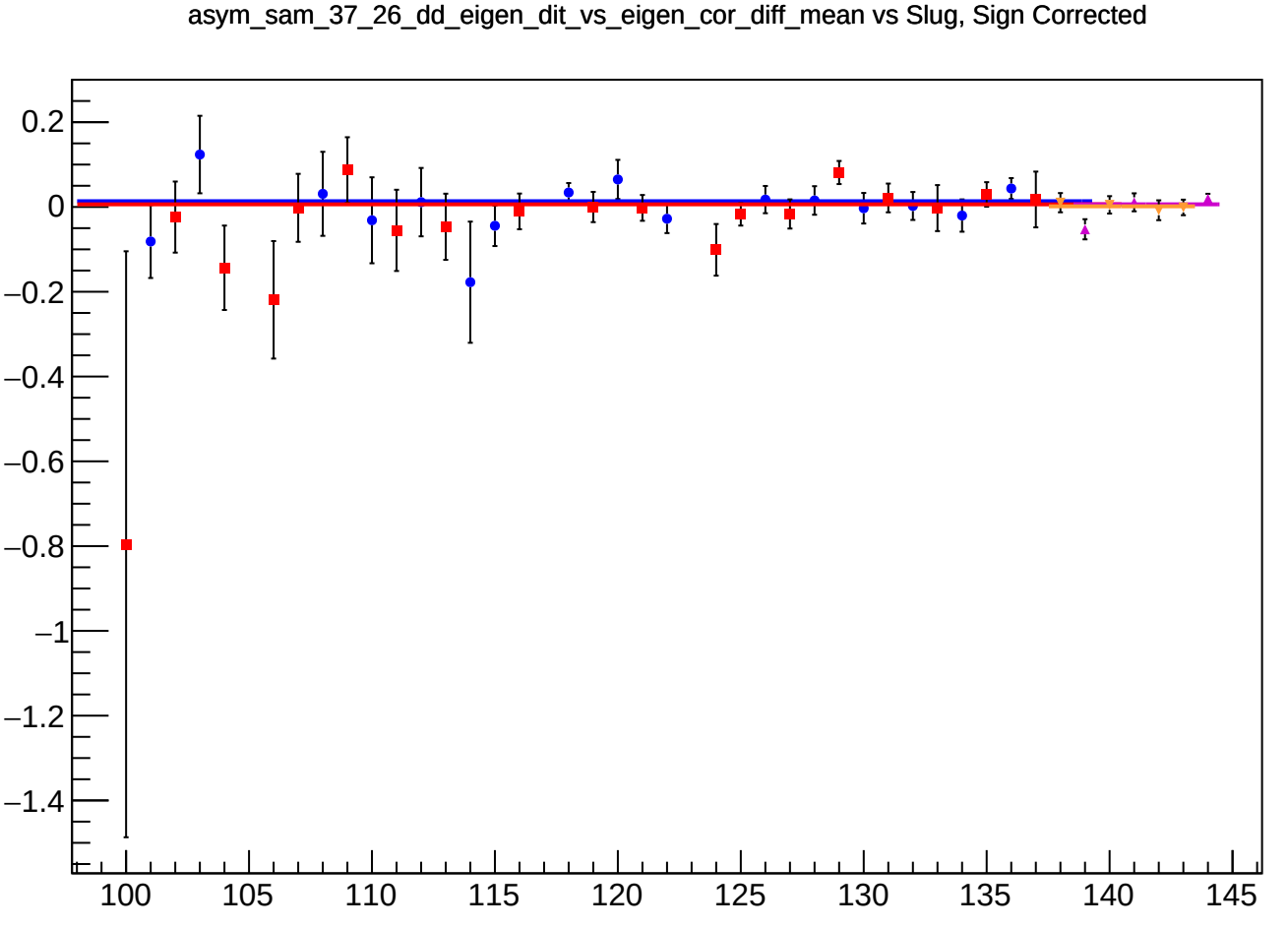
Left: 15.522+/-0.005 χ^2/NDF: 687566.9/6

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.422+/-0.005 χ^2/NDF:3829805.8/18

Out: 20.692+/-0.005 χ^2/NDF:3344816.1/22

All: 19.487+/-0.004 χ^2/NDF: 7278521.3/41



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/2

Left: 0.004+/-0.007 χ^2/NDF: 7.9/6

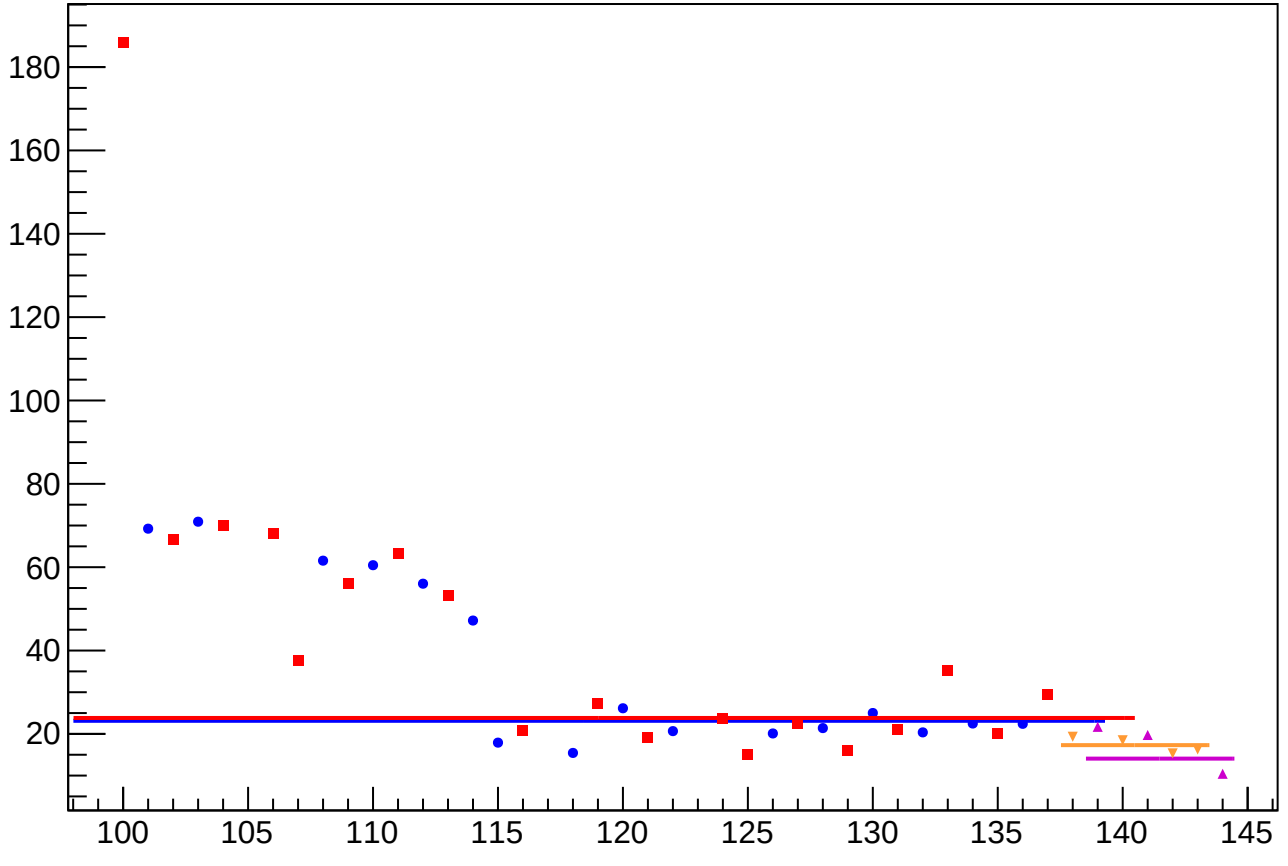
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.010+/-0.007 χ^2/NDF:20.0/18

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.007+/-0.005 χ^2/NDF: 42.3/41

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: 17.304+/-0.007 χ^2/NDF:42964.6/3

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.069+/-0.007 χ^2/NDF:539483.3/2

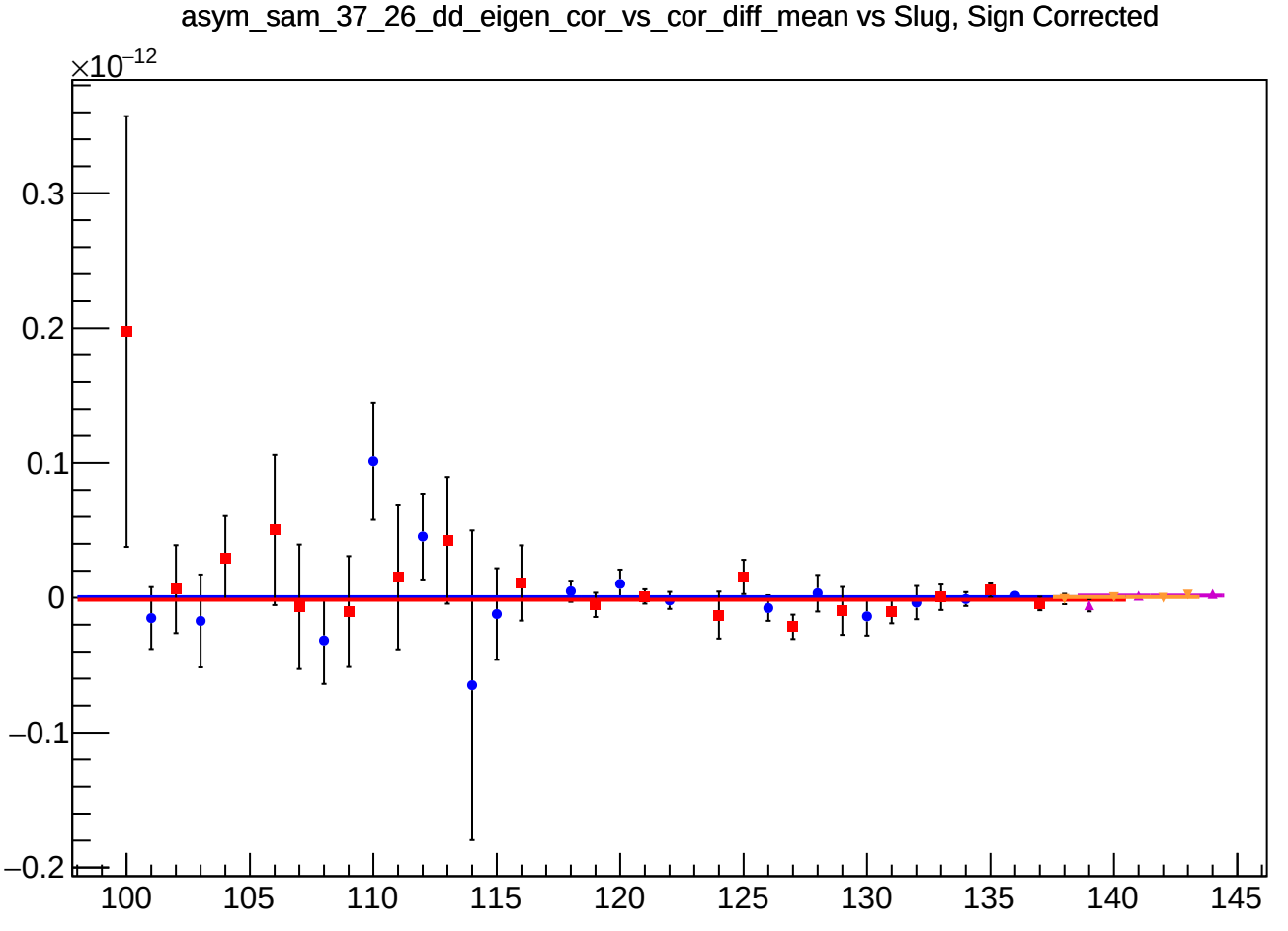
Left: 15.522+/-0.005 χ^2/NDF: 687566.9/6

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.422+/-0.005 χ^2/NDF:3829805.8/18

Out: 20.692+/-0.005 χ^2/NDF:3344816.1/22

All: 19.487+/-0.004 χ^2/NDF: 7278521.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/2

Left: 0.000+/-0.000 χ^2/NDF: 3.7/6

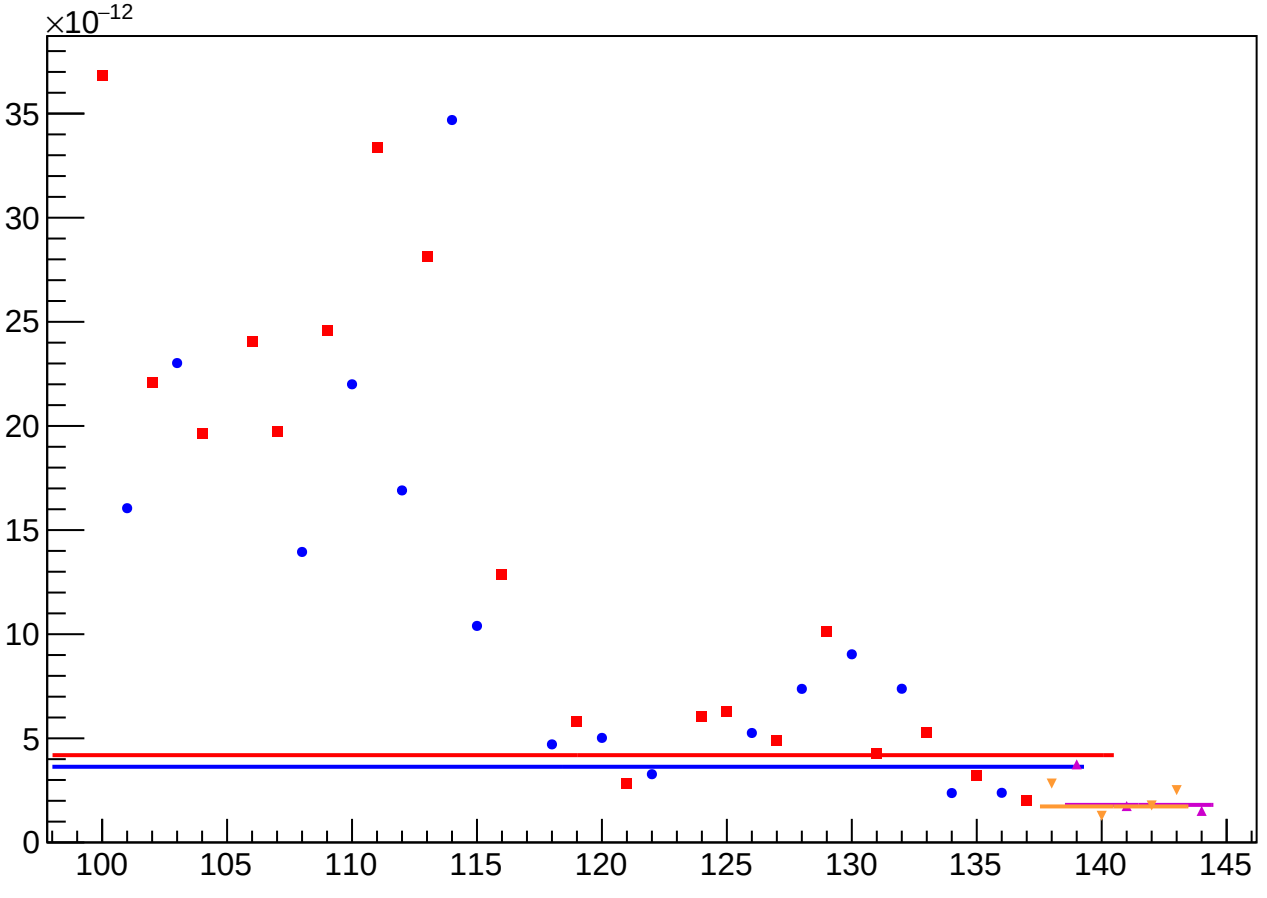
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:16.0/18

Out: 0.000+/-0.000 χ^2/NDF:16.6/22

All: 0.000+/-0.000 χ^2/NDF: 33.2/41

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:426275.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:412815.4/2

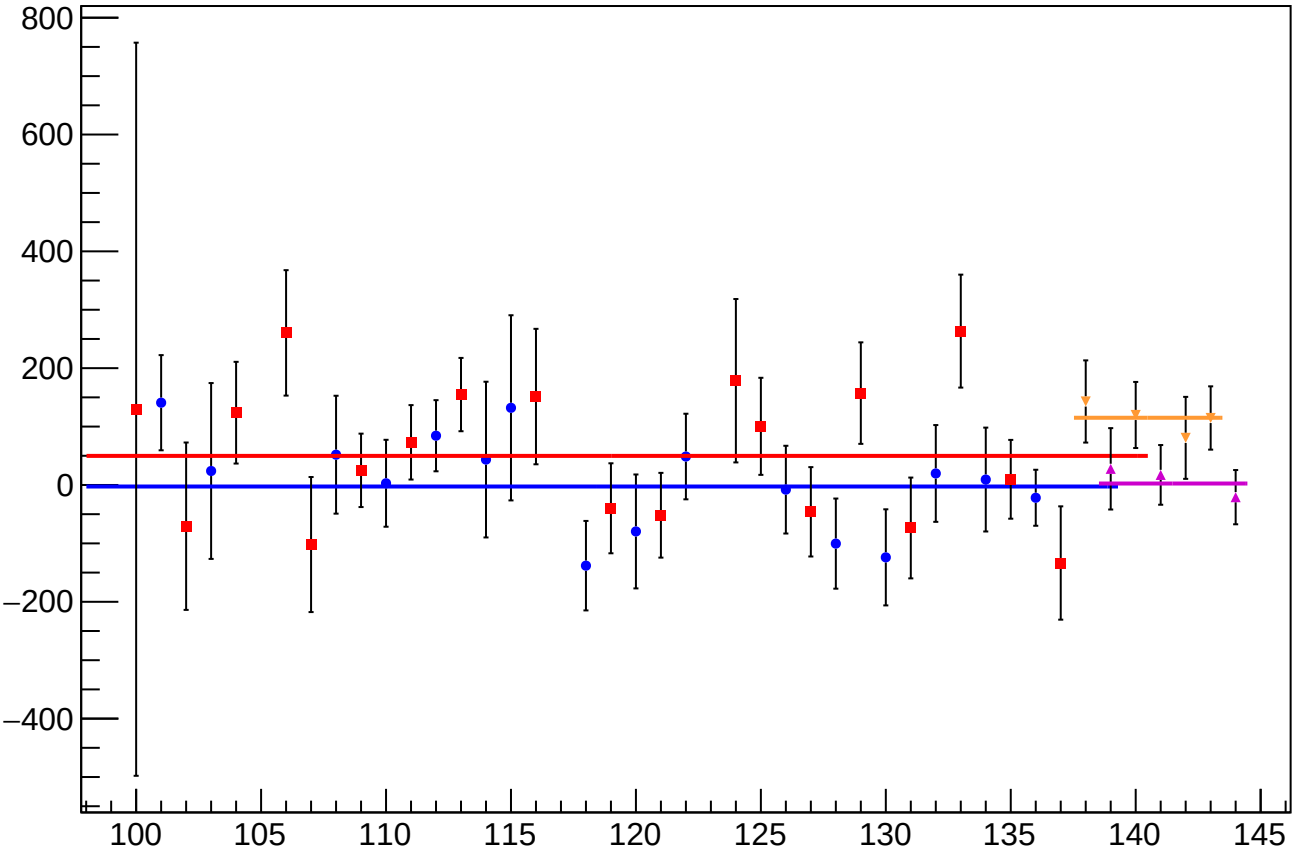
Left: 0.000+/-0.000 χ^2/NDF: 842247.2/6

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:5099094.5/18

Out: 0.000+/-0.000 χ^2/NDF:6559559.4/22

All: 0.000+/-0.000 χ^2/NDF: 11662593.5/41



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 115.084+/-30.744 χ^2/NDF:0.4/3

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 2.506+/-30.823 χ^2/NDF:0.5/2

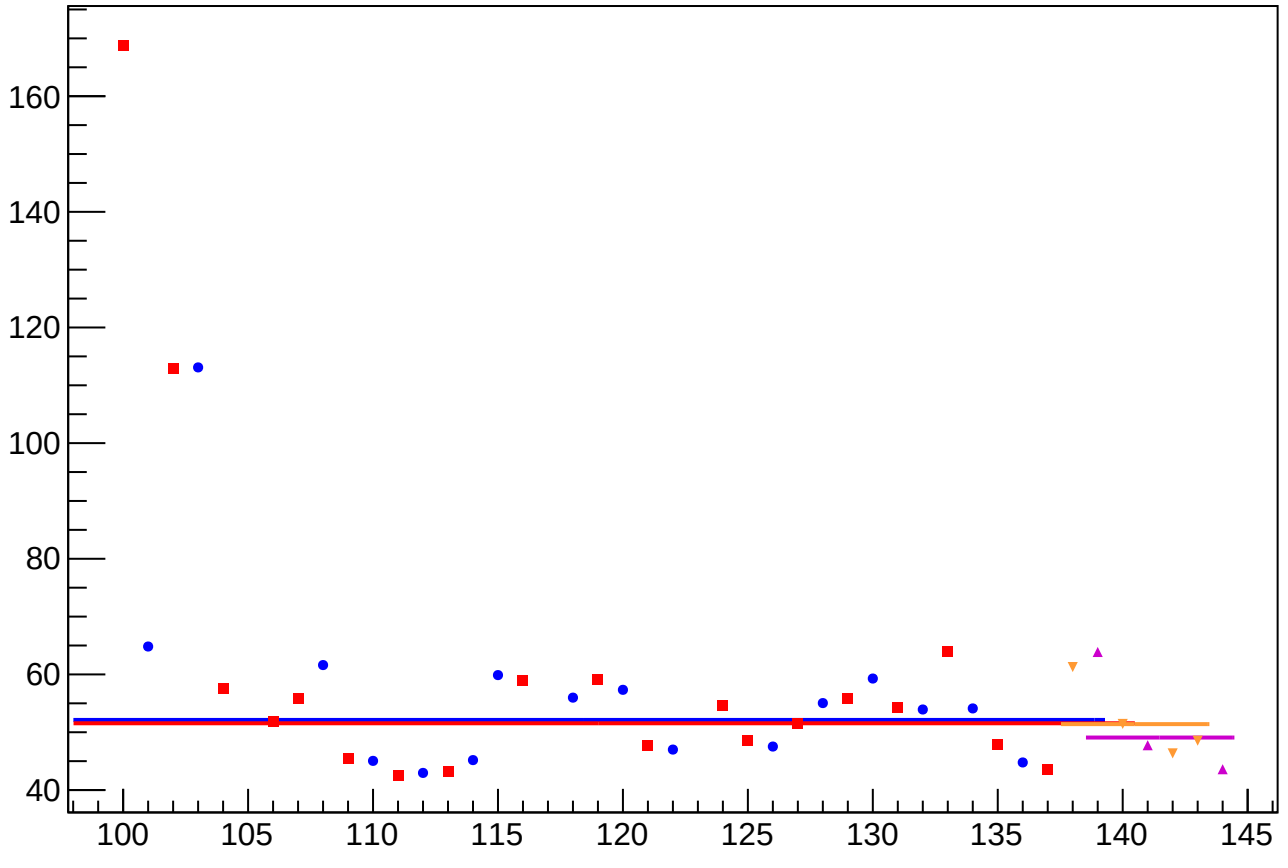
Left: 58.939+/-21.767 χ^2/NDF: 7.6/6

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: -1.098+/-16.774 χ^2/NDF:15.1/18

Out: 68.701+/-16.540 χ^2/NDF:33.0/22

All: 34.293+/-11.777 χ^2/NDF: 56.8/41



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

Left: 50.247+/-0.015 χ^2/NDF: 180464.4/6

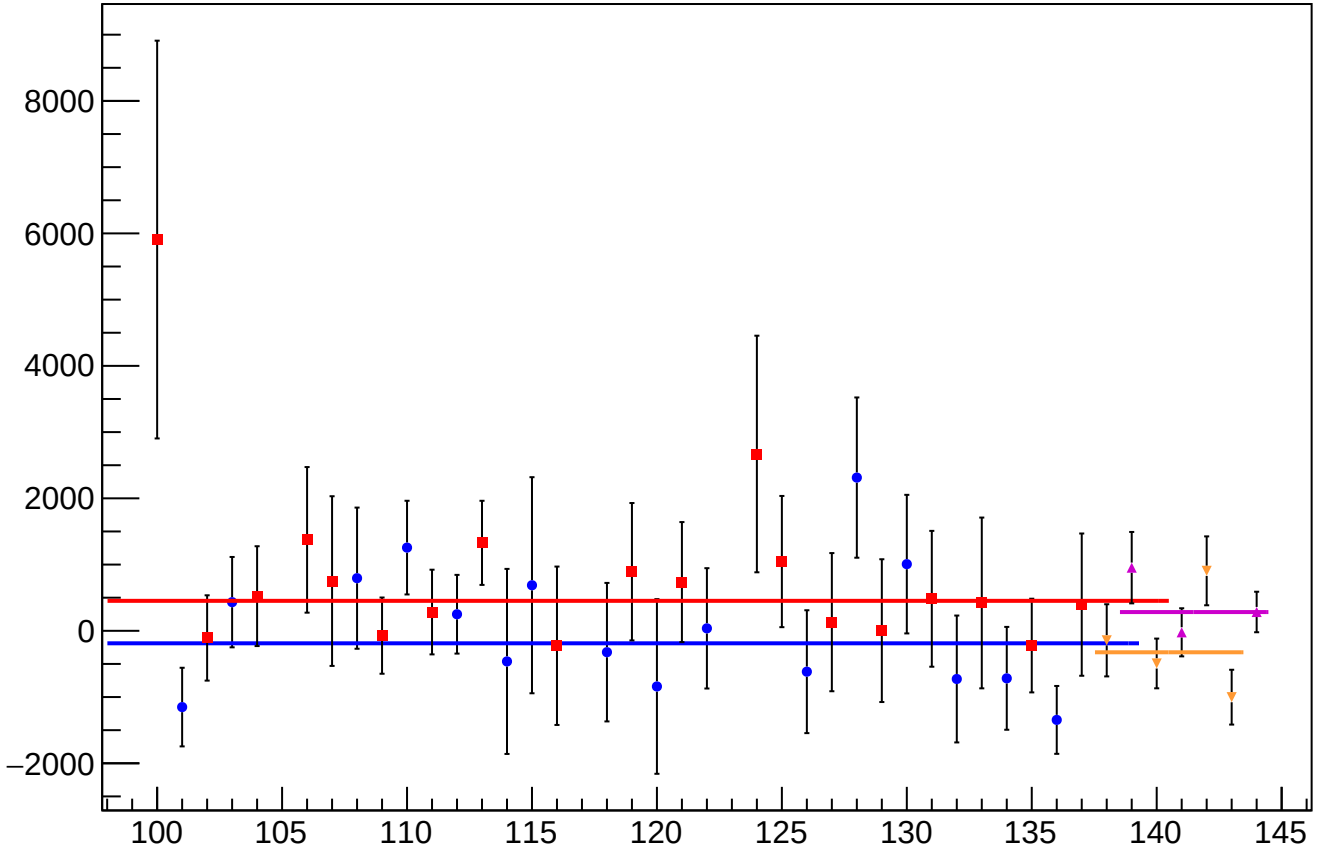
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 51.227+/-0.012 χ^2/NDF:696113.0/18

Out: 51.508+/-0.012 χ^2/NDF:694920.8/22

All: 51.369+/-0.008 χ^2/NDF: 1391318.8/41

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -324.143+/-223.580 χ^2/NDF:8.6/3

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 283.088+/-214.590 χ^2/NDF:2.3/2

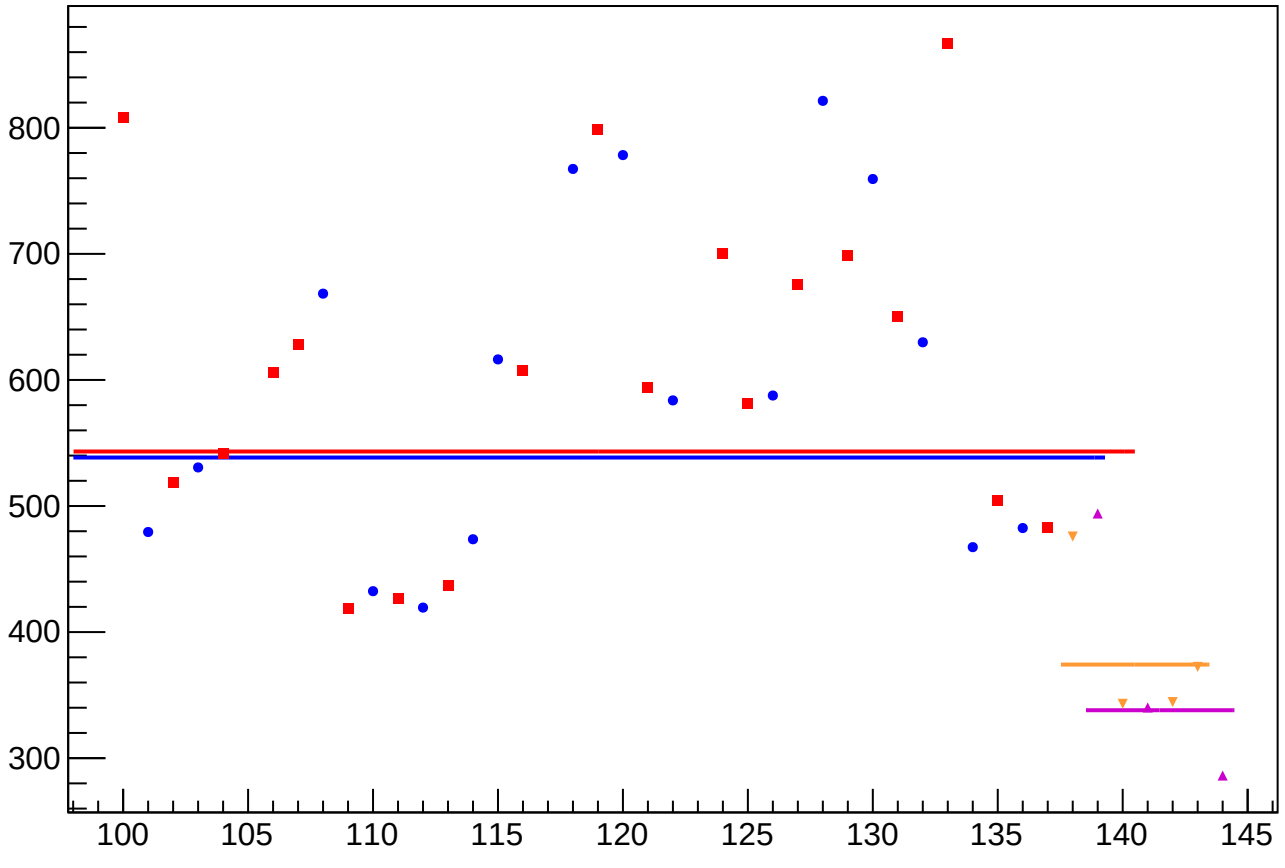
Left: -8.074+/-154.819 χ^2/NDF: 14.7/6

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 37.417+/-148.537 χ^2/NDF:26.1/18

Out: 99.845+/-150.664 χ^2/NDF:26.5/22

All: 68.187+/-105.776 χ^2/NDF: 52.7/41



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.2/3

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 338.017+/-0.152 χ^2/NDF:225063.6/2

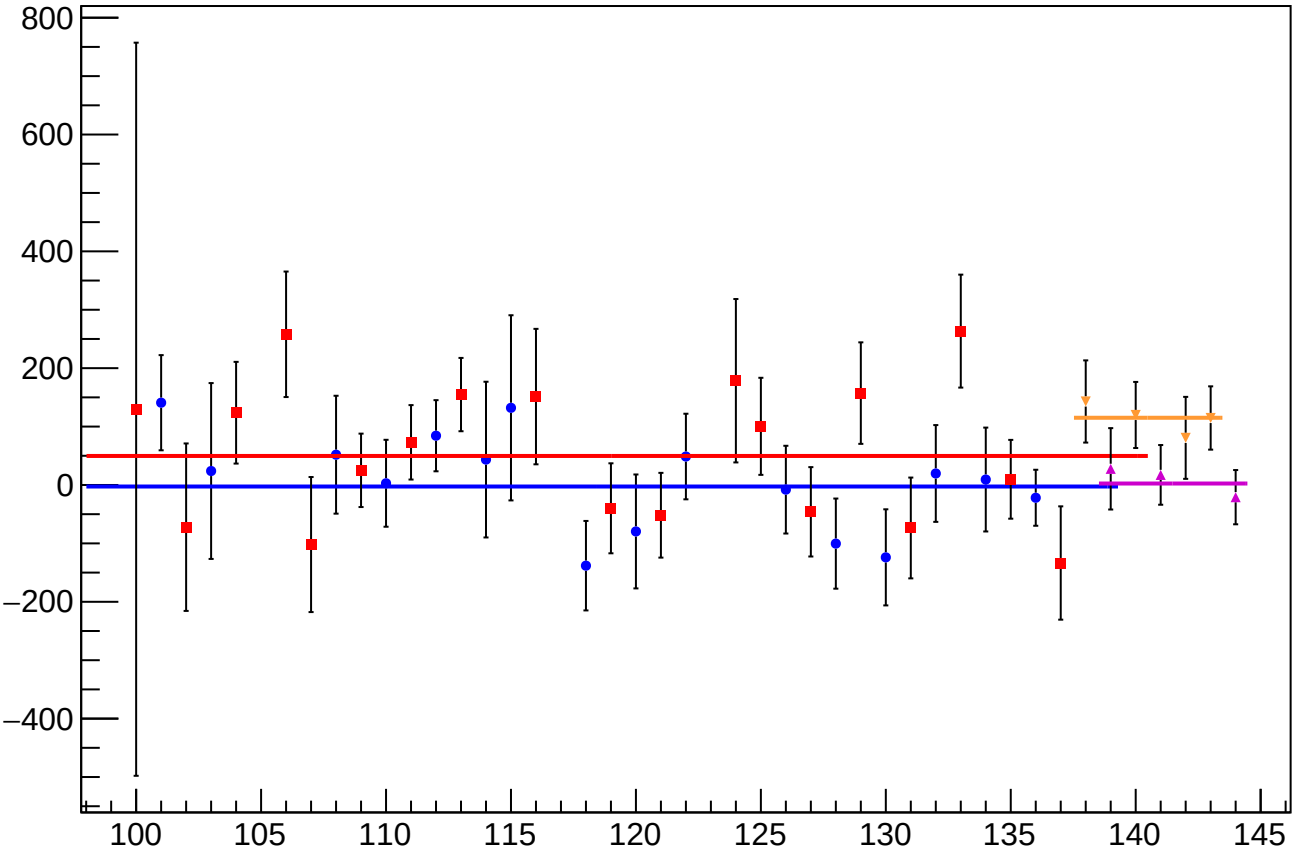
Left: 355.390+/-0.109 χ^2/NDF: 342297.7/6

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 442.427+/-0.105 χ^2/NDF:1748043.9/18

Out: 466.501+/-0.107 χ^2/NDF:1350769.6/22

All: 454.293+/-0.075 χ^2/NDF: 3124709.0/41



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 2.507+/-30.823 χ^2/NDF:0.5/2

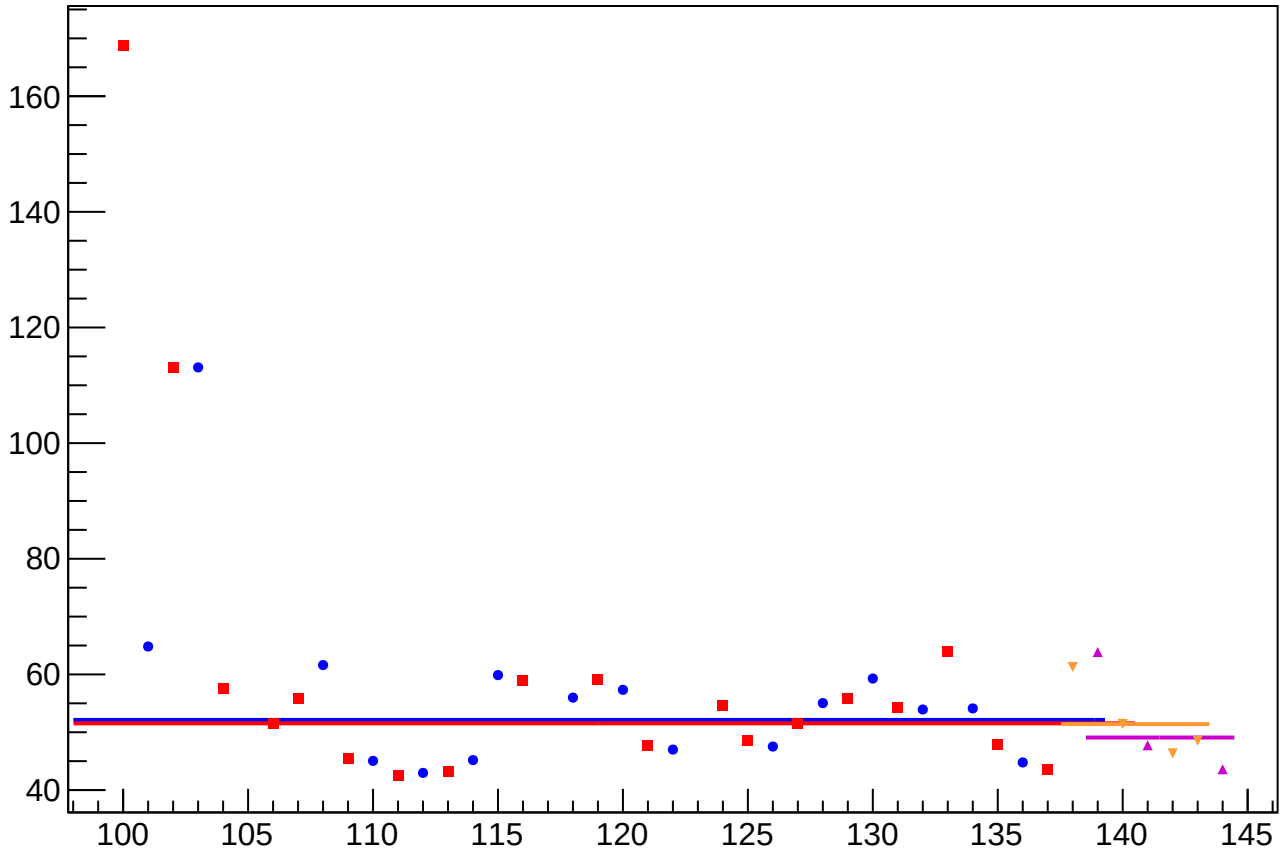
Left: 58.942+/-21.767 χ^2/NDF: 7.6/6

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -1.101+/-16.774 χ^2/NDF:15.1/18

Out: 68.621+/-16.540 χ^2/NDF:32.9/22

All: 34.250+/-11.778 χ^2/NDF: 56.7/41



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

Left: 50.247+/-0.015 χ^2/NDF: 180464.4/6

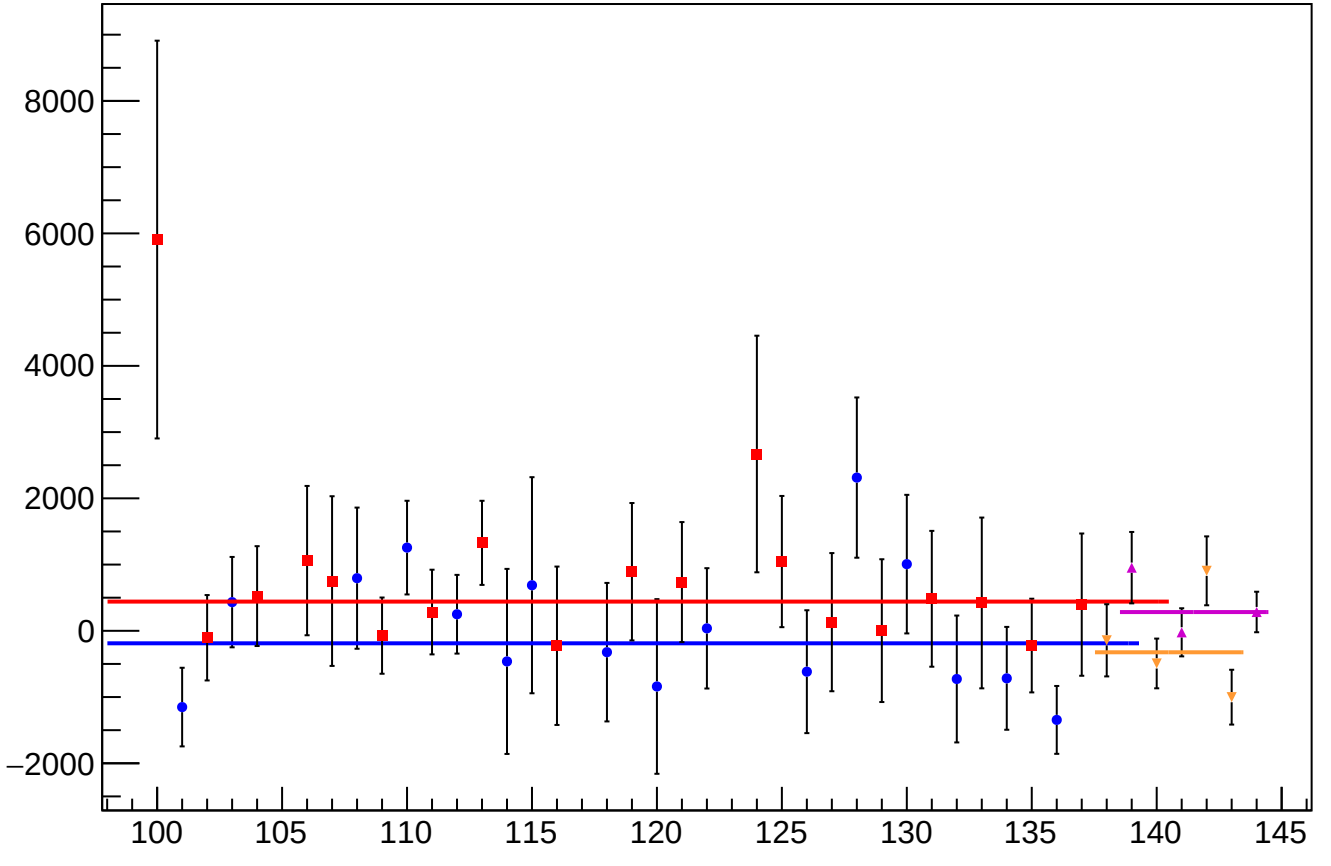
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.227+/-0.012 χ^2/NDF:696115.3/18

Out: 51.500+/-0.012 χ^2/NDF:695136.3/22

All: 51.365+/-0.008 χ^2/NDF: 1391521.9/41

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -324.135+/-223.579 χ^2/NDF:8.6/3

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 283.093+/-214.590 χ^2/NDF:2.3/2

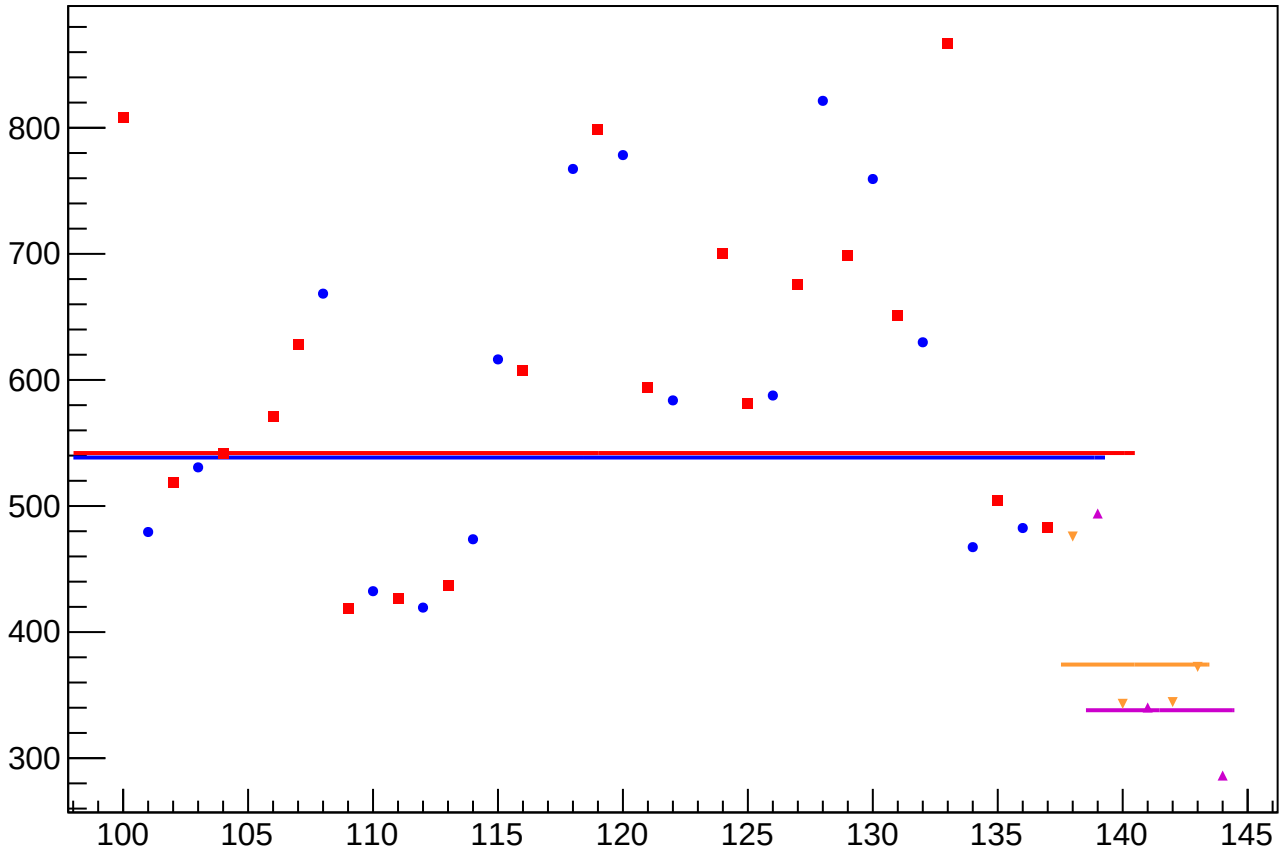
Left: -8.069+/-154.818 χ^2/NDF: 14.7/6

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 37.434+/-148.538 χ^2/NDF:26.1/18

Out: 93.283+/-150.742 χ^2/NDF:25.9/22

All: 64.947+/-105.803 χ^2/NDF: 52.1/41



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 338.018+/-0.152 χ^2/NDF:225063.2/2

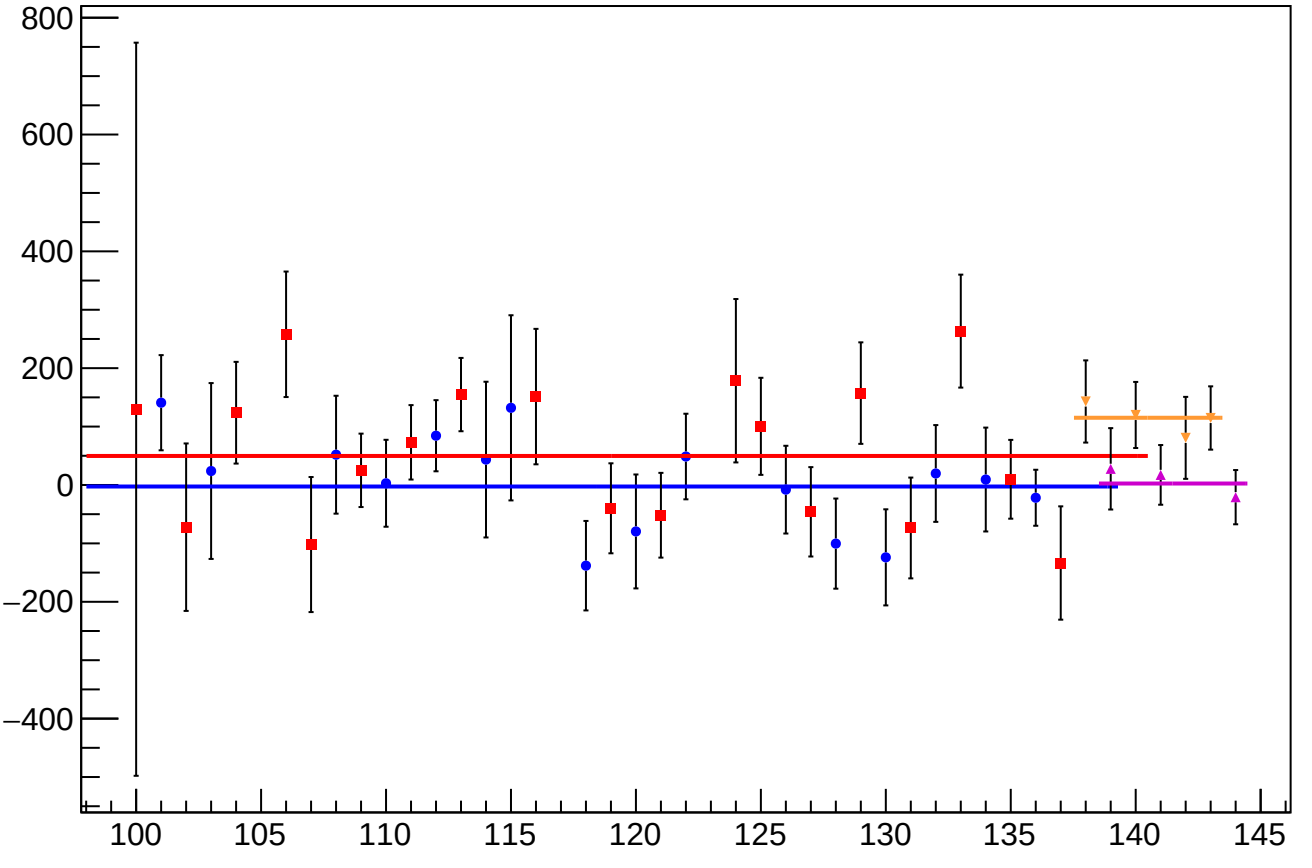
Left: 355.390+/-0.109 χ^2/NDF: 342296.7/6

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 442.428+/-0.105 χ^2/NDF:1748077.6/18

Out: 465.758+/-0.107 χ^2/NDF:1335742.2/22

All: 453.921+/-0.075 χ^2/NDF: 3108124.8/41



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 2.507+/-30.823 χ^2/NDF:0.5/2

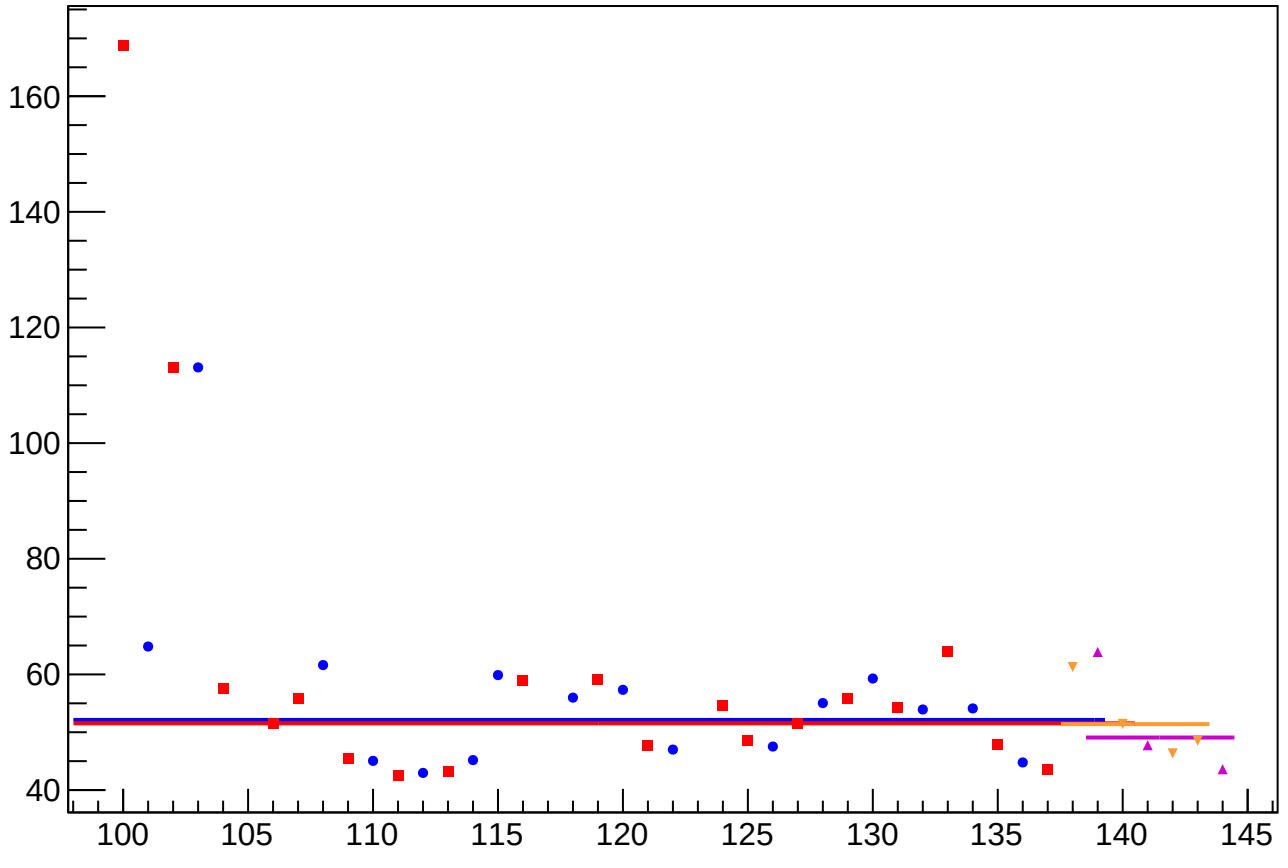
Left: 58.942+/-21.767 χ^2/NDF: 7.6/6

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: -1.101+/-16.774 χ^2/NDF:15.1/18

Out: 68.621+/-16.540 χ^2/NDF:32.9/22

All: 34.250+/-11.778 χ^2/NDF: 56.7/41



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.083+/-0.022 χ^2/NDF:119454.3/2

Left: 50.247+/-0.015 χ^2/NDF: 180464.4/6

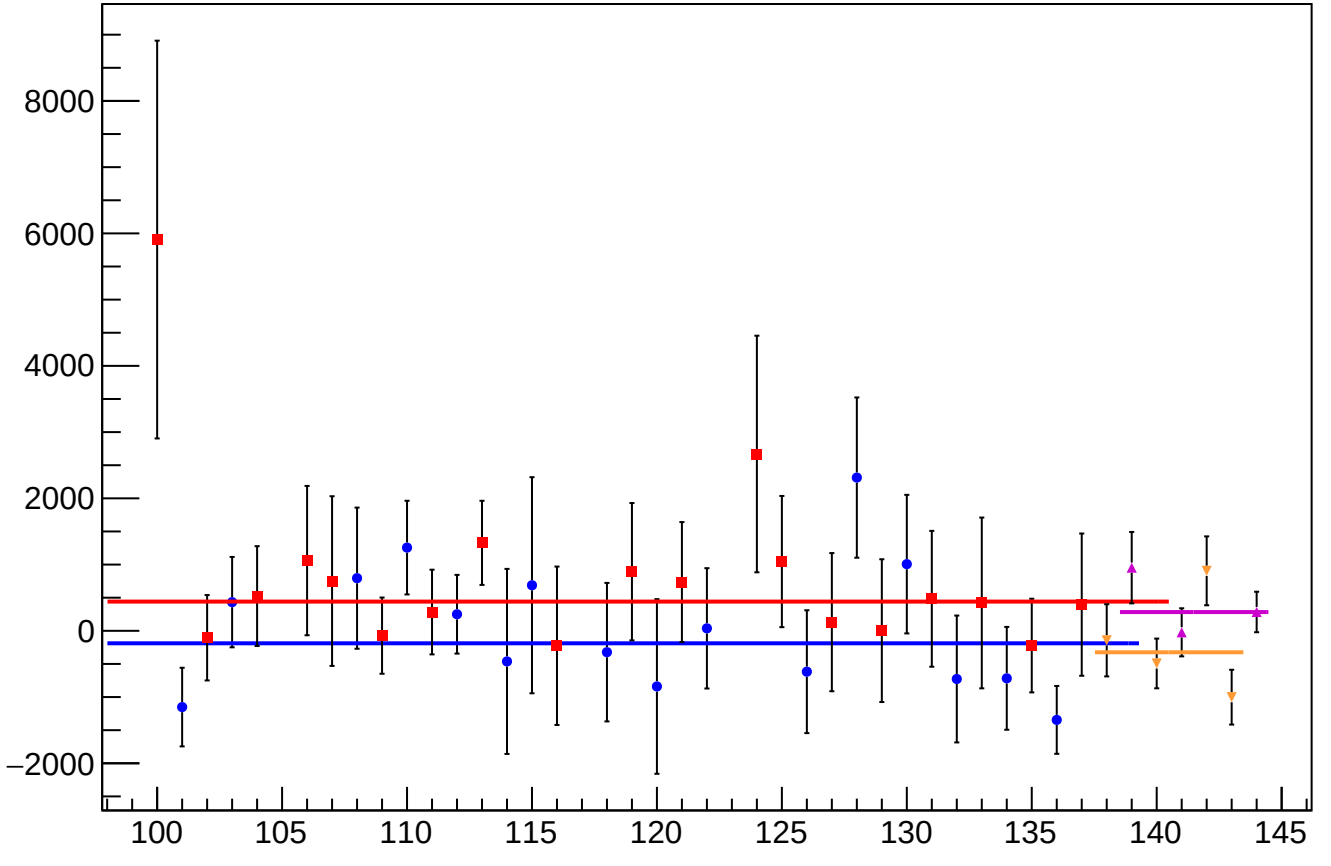
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.227+/-0.012 χ^2/NDF:696115.3/18

Out: 51.500+/-0.012 χ^2/NDF:695136.3/22

All: 51.365+/-0.008 χ^2/NDF: 1391521.9/41

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -324.135+/-223.579 χ^2/NDF:8.6/3

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 283.093+/-214.590 χ^2/NDF:2.3/2

Left: -8.069+/-154.818 χ^2/NDF: 14.7/6

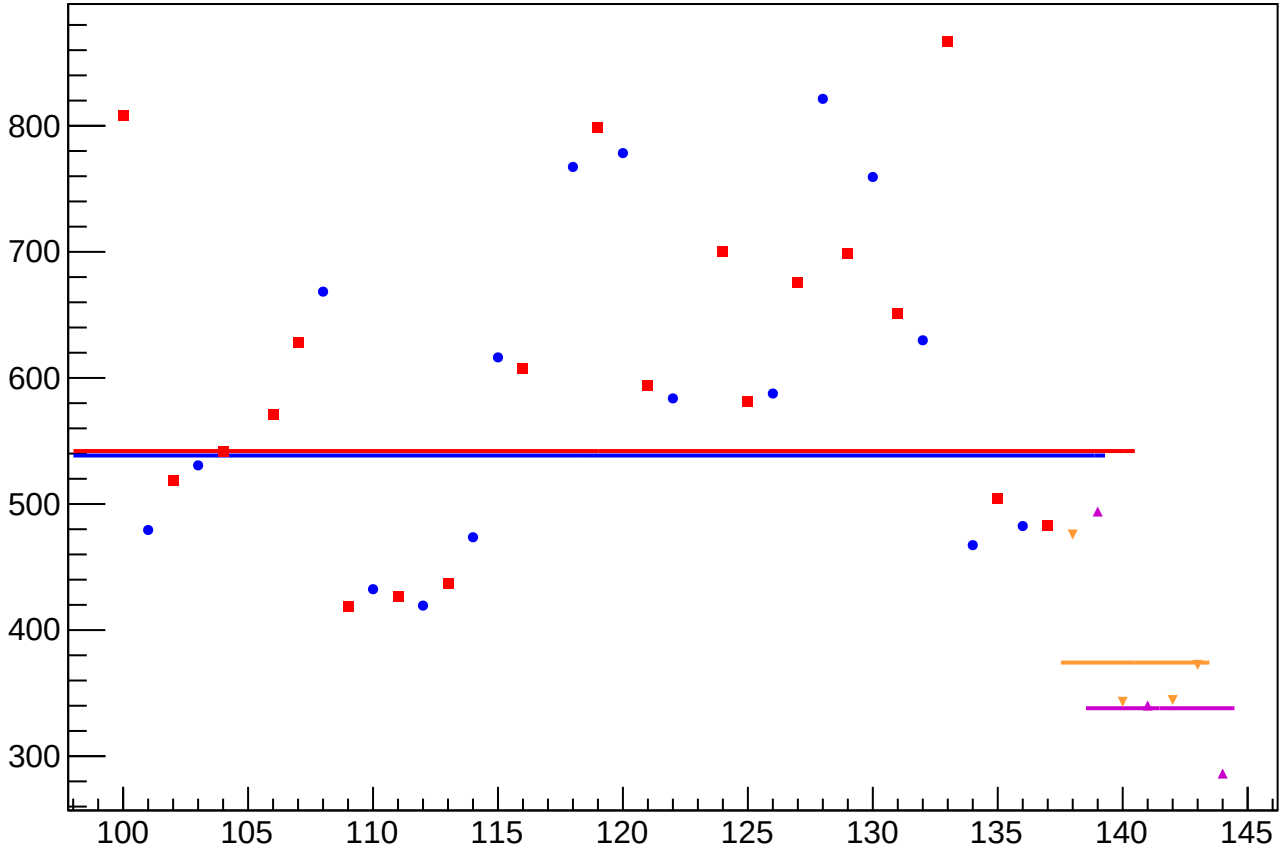
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 37.434+/-148.538 χ^2/NDF:26.1/18

Out: 93.283+/-150.742 χ^2/NDF:25.9/22

All: 64.947+/-105.803 χ^2/NDF: 52.1/41

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: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 338.018+/-0.152 χ^2/NDF:225063.2/2

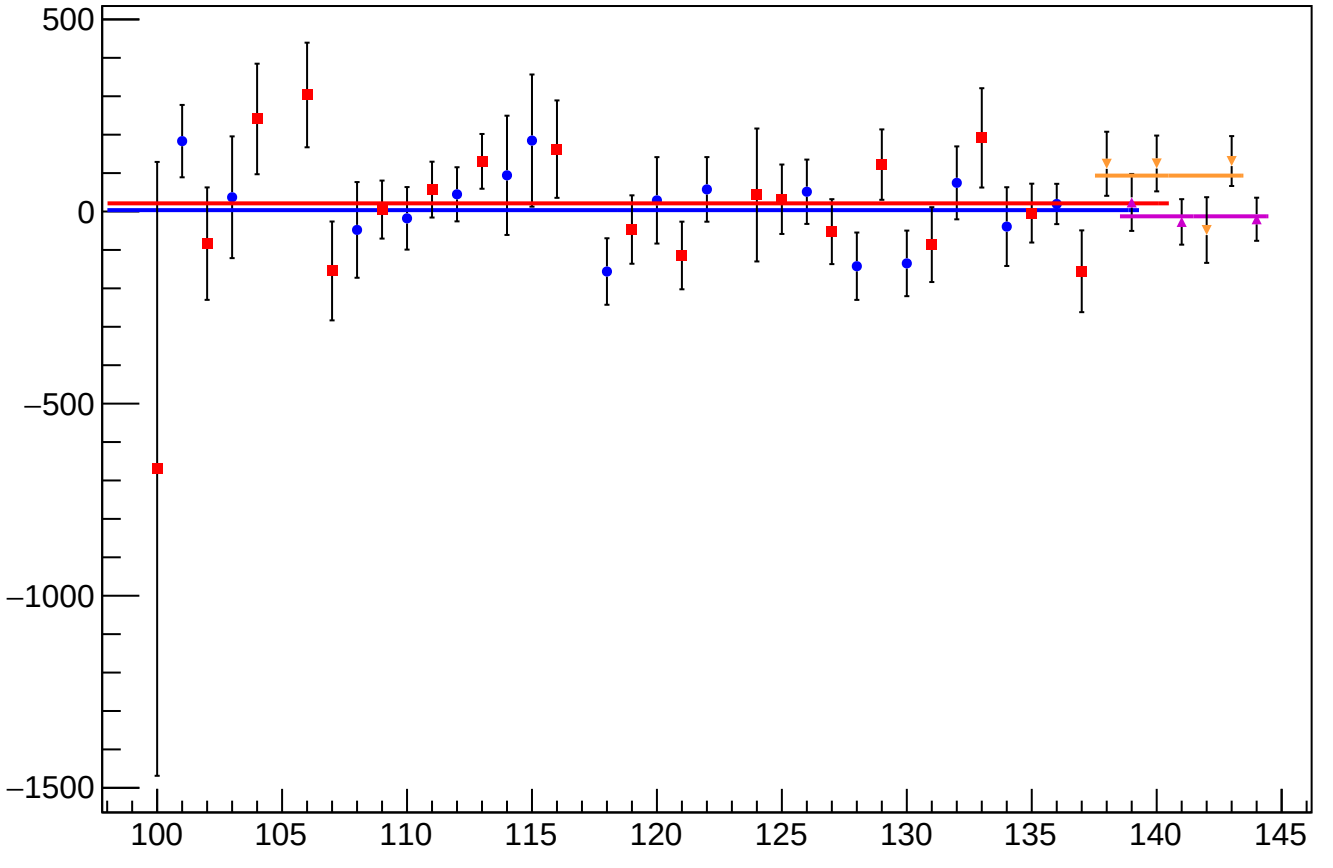
Left: 355.390+/-0.109 χ^2/NDF: 342296.7/6

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 442.428+/-0.105 χ^2/NDF:1748077.6/18

Out: 465.758+/-0.107 χ^2/NDF:1335742.2/22

All: 453.921+/-0.075 χ^2/NDF: 3108124.8/41



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: -12.486+/-35.687 χ^2/NDF:0.3/2

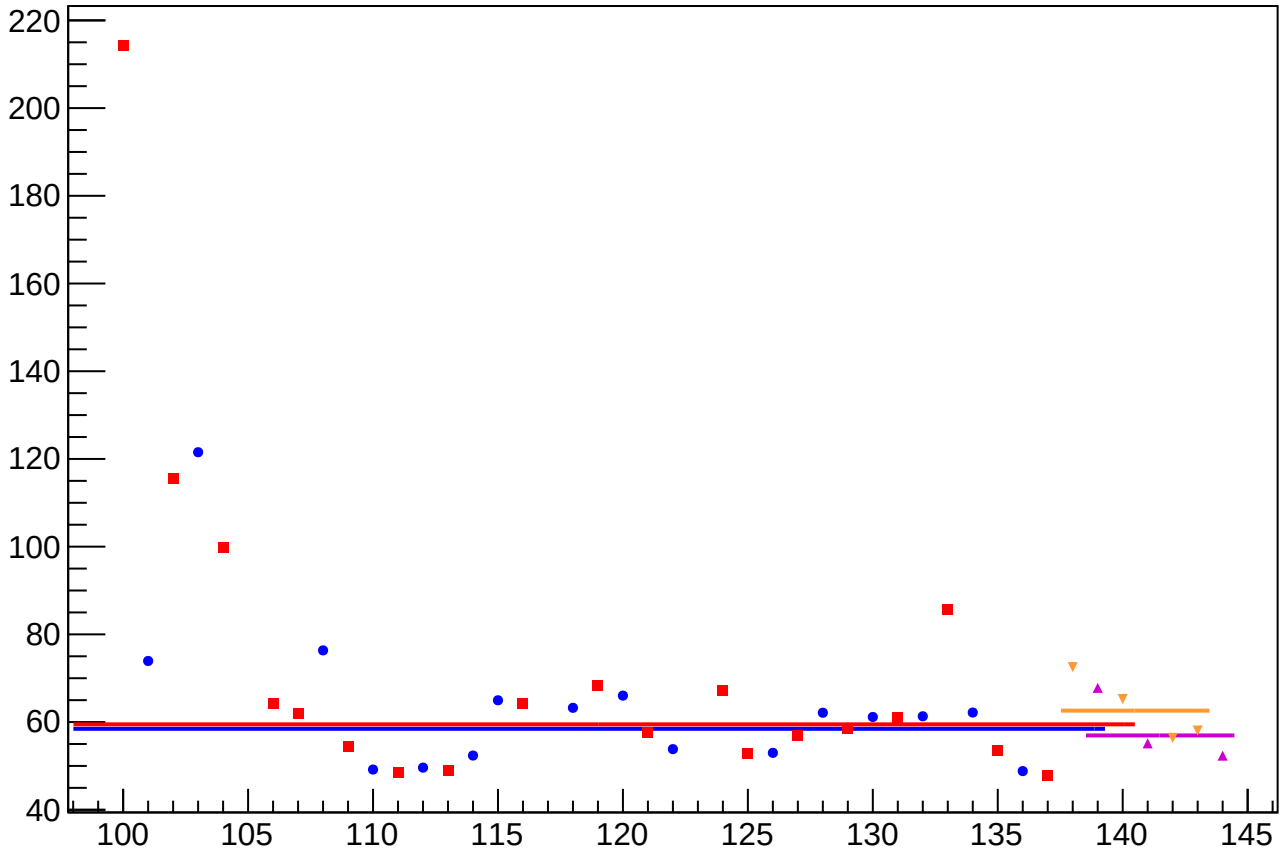
Left: 37.751+/-25.883 χ^2/NDF: 7.9/6

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: -0.972+/-19.021 χ^2/NDF:16.6/18

Out: 40.642+/-19.475 χ^2/NDF:30.5/22

All: 19.344+/-13.608 χ^2/NDF: 49.5/41



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 62.608+/-0.027 χ^2/NDF:51238.3/3

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.952+/-0.025 χ^2/NDF:58206.3/2

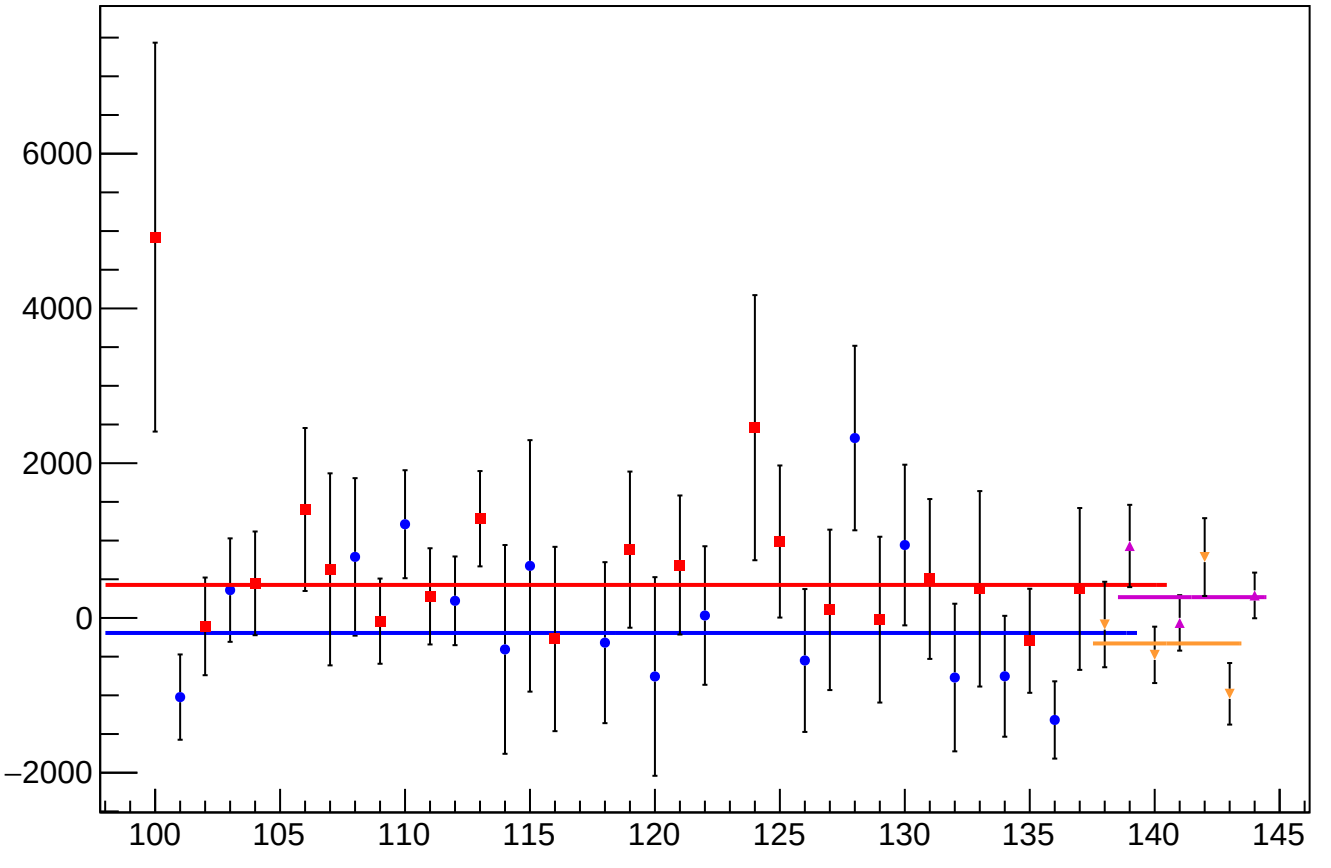
Left: 59.633+/-0.018 χ^2/NDF: 133255.5/6

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.036+/-0.013 χ^2/NDF:643763.8/18

Out: 60.322+/-0.014 χ^2/NDF:846224.9/22

All: 59.152+/-0.010 χ^2/NDF: 1504102.6/41



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -329.506+/-217.779 χ^2/NDF:8.0/3

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 268.887+/-209.359 χ^2/NDF:2.4/2

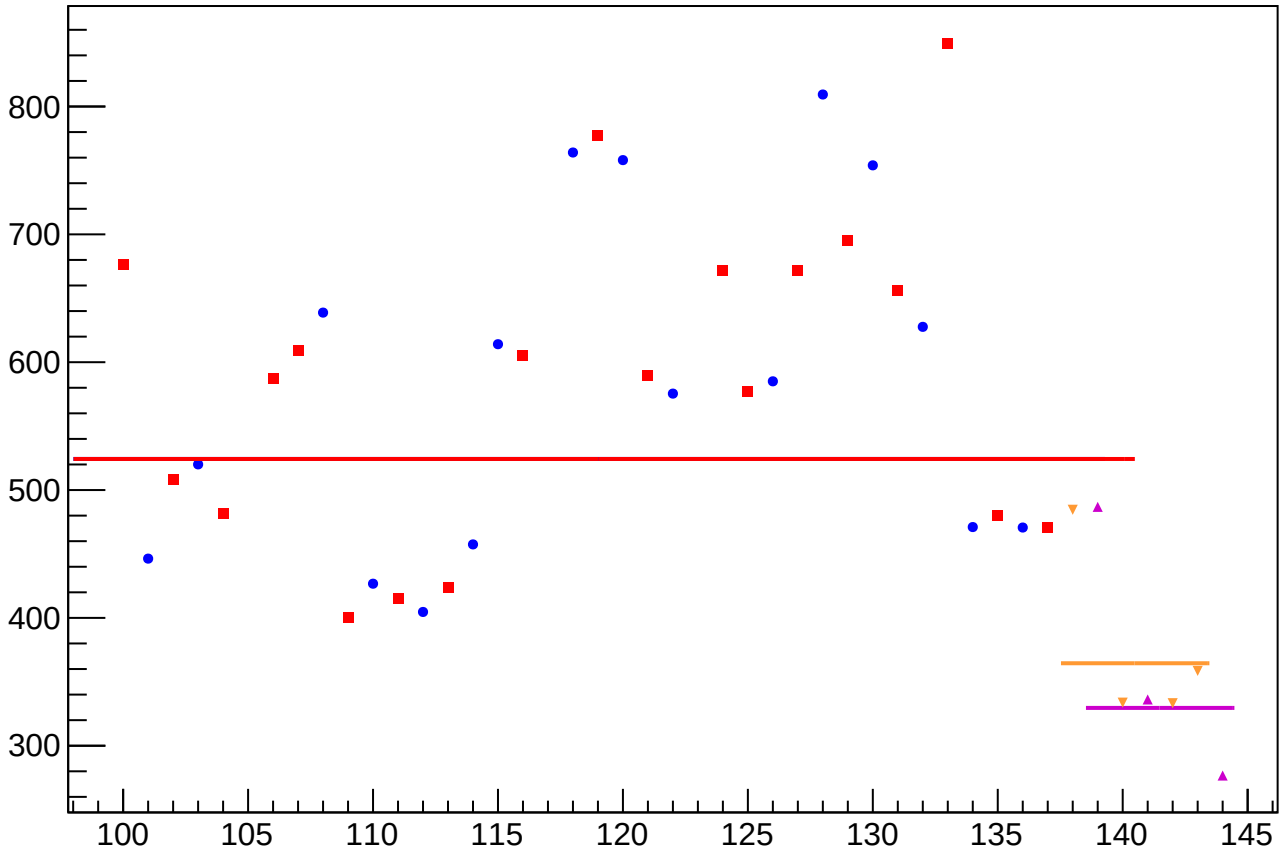
Left: -18.519+/-150.928 χ^2/NDF: 14.3/6

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 27.615+/-144.845 χ^2/NDF:25.8/18

Out: 86.527+/-146.097 χ^2/NDF:25.9/22

All: 56.817+/-102.861 χ^2/NDF: 51.8/41



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 364.515+/-0.154 χ^2/NDF:116984.2/3

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 329.587+/-0.148 χ^2/NDF:239916.4/2

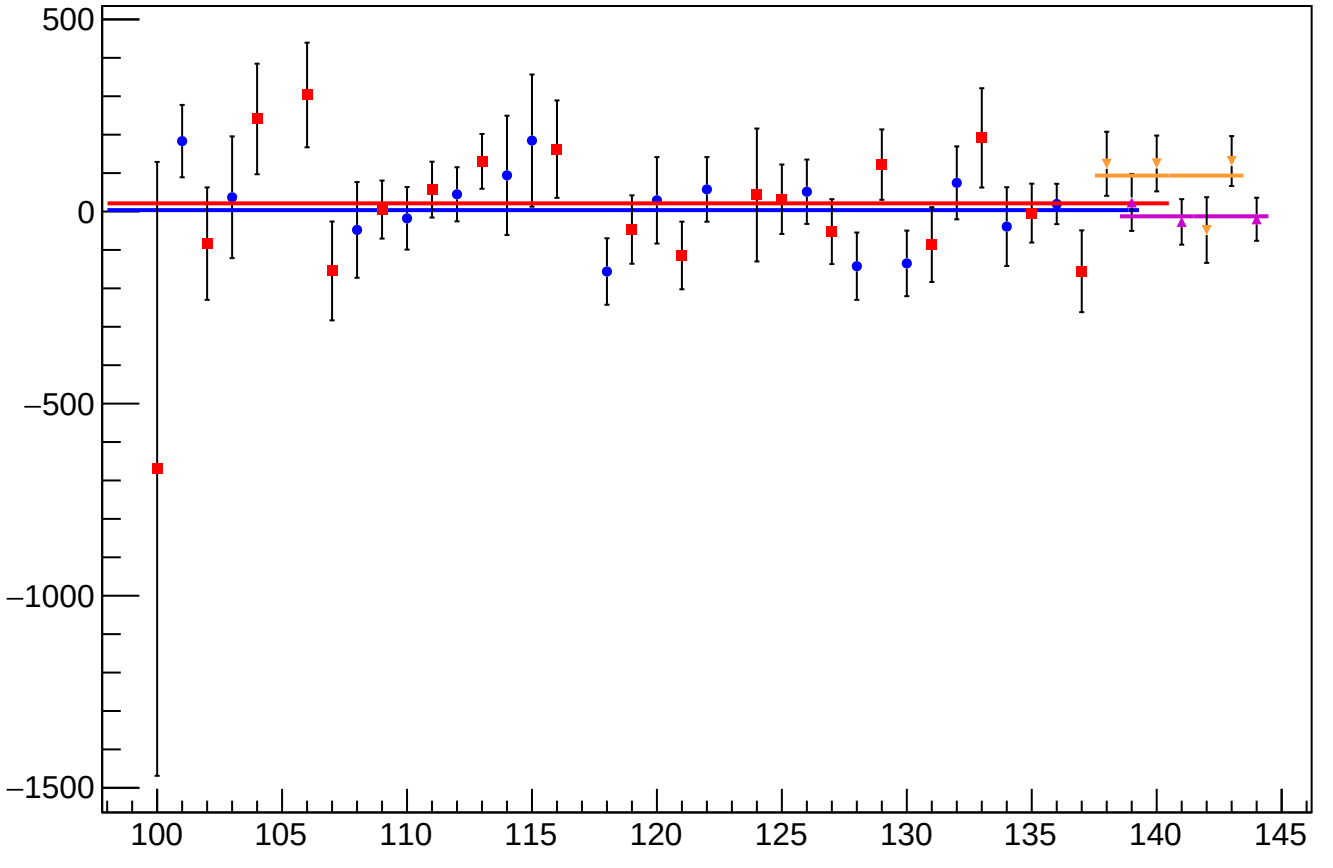
Left: 346.363+/-0.107 χ^2/NDF: 383637.2/6

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 431.114+/-0.102 χ^2/NDF:1800559.6/18

Out: 452.394+/-0.103 χ^2/NDF:1395201.1/22

All: 441.662+/-0.073 χ^2/NDF: 3217158.8/41



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: -12.486+/-35.687 χ^2/NDF:0.3/2

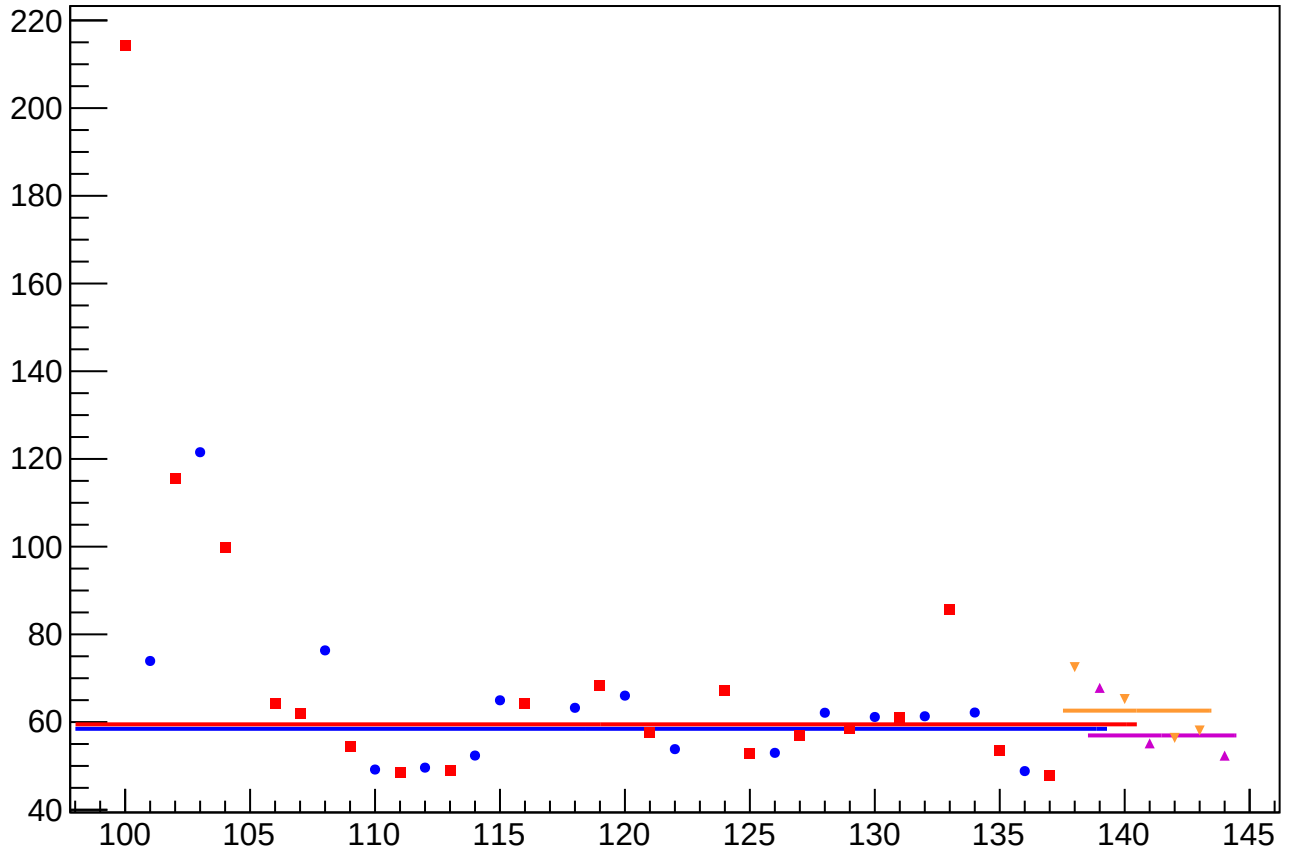
Left: 37.751+/-25.883 χ^2/NDF: 7.9/6

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: -0.972+/-19.021 χ^2/NDF:16.6/18

Out: 40.641+/-19.475 χ^2/NDF:30.5/22

All: 19.343+/-13.608 χ^2/NDF: 49.5/41



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 62.609+/-0.027 χ^2/NDF:51236.6/3

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.953+/-0.025 χ^2/NDF:58205.2/2

Left: 59.634+/-0.018 χ^2/NDF: 133253.7/6

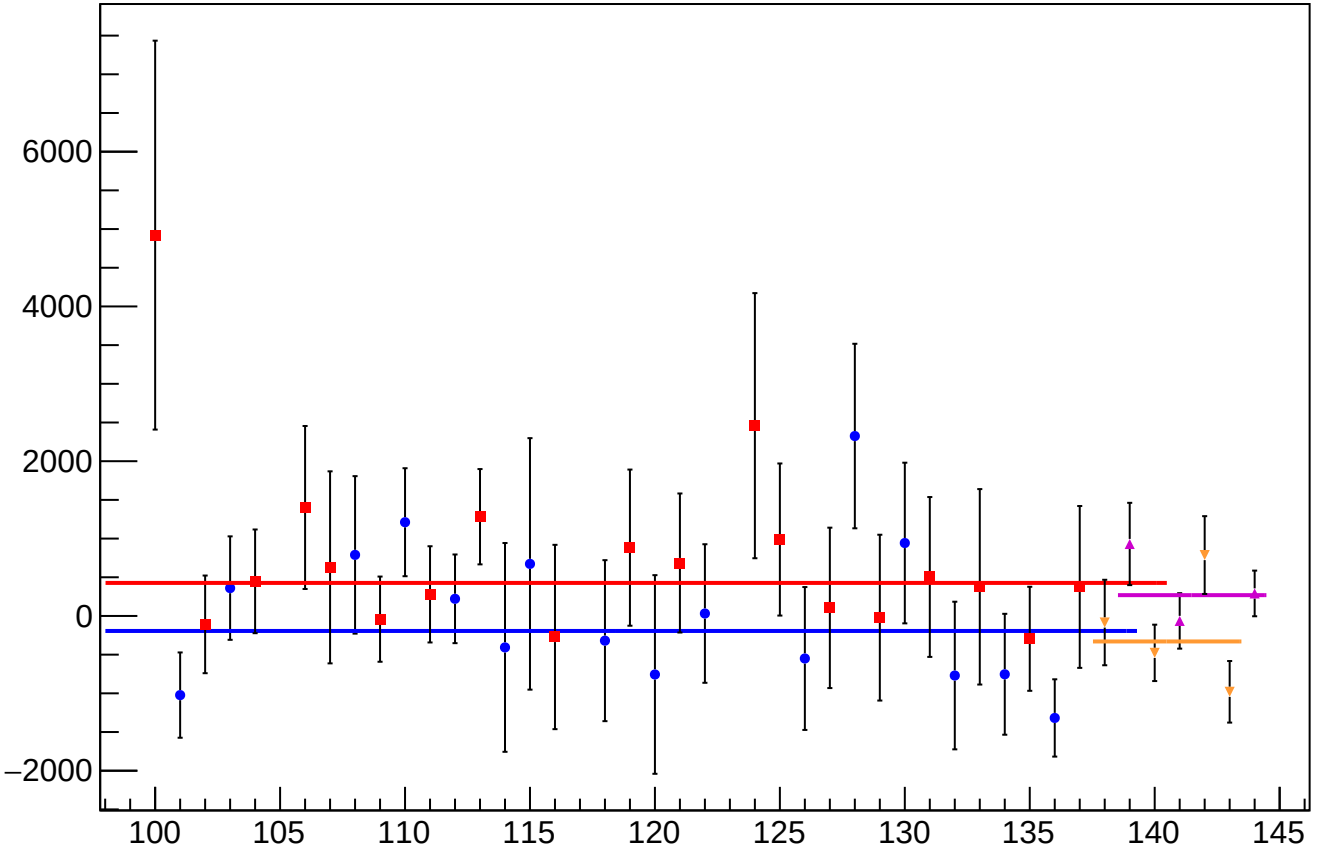
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.036+/-0.013 χ^2/NDF:643758.7/18

Out: 60.323+/-0.014 χ^2/NDF:846224.7/22

All: 59.152+/-0.010 χ^2/NDF: 1504097.8/41

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: -329.507+/-217.778 χ^2/NDF:8.0/3

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 268.887+/-209.359 χ^2/NDF:2.4/2

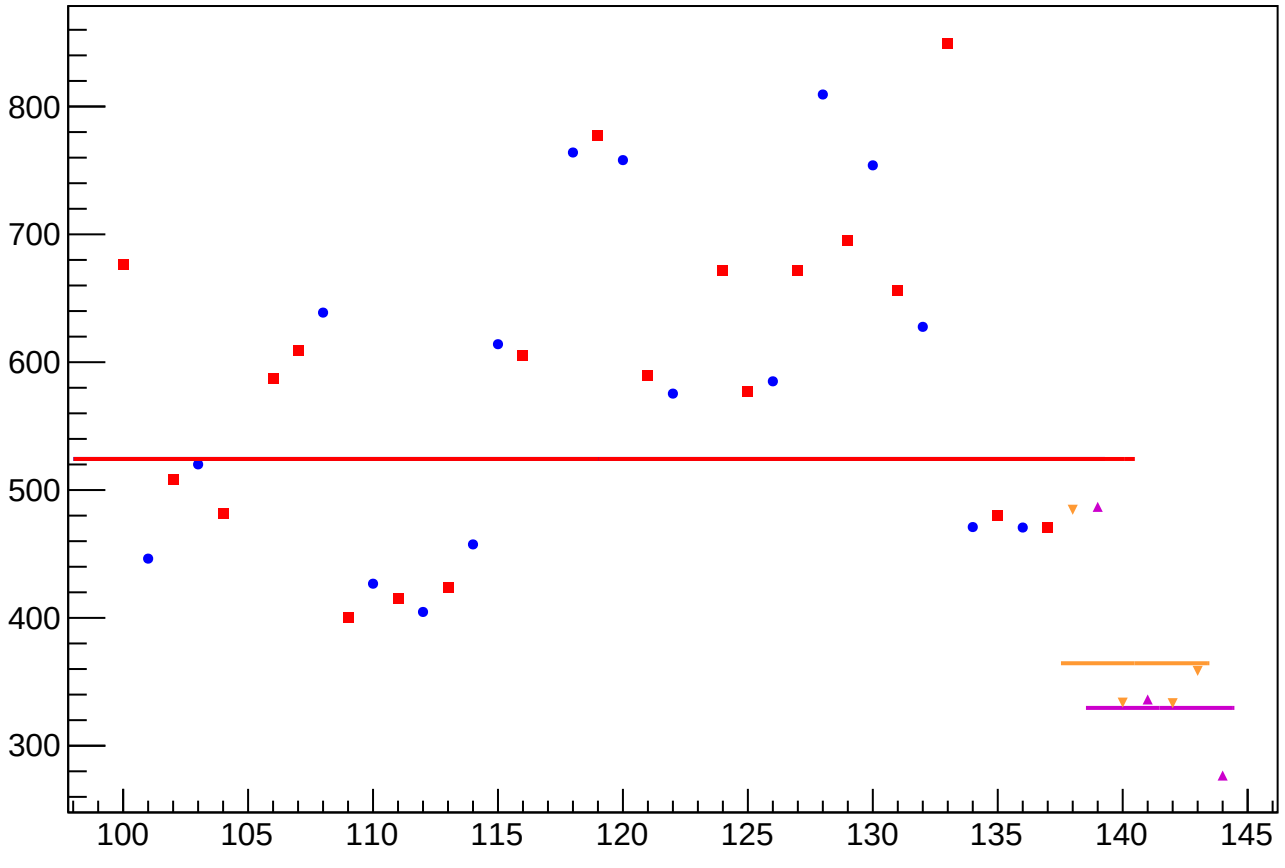
Left: -18.520+/-150.928 χ^2/NDF: 14.3/6

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 27.615+/-144.844 χ^2/NDF:25.8/18

Out: 86.527+/-146.097 χ^2/NDF:25.9/22

All: 56.817+/-102.860 χ^2/NDF: 51.8/41



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 364.515+/-0.154 χ^2/NDF:116985.3/3

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 329.587+/-0.148 χ^2/NDF:239917.3/2

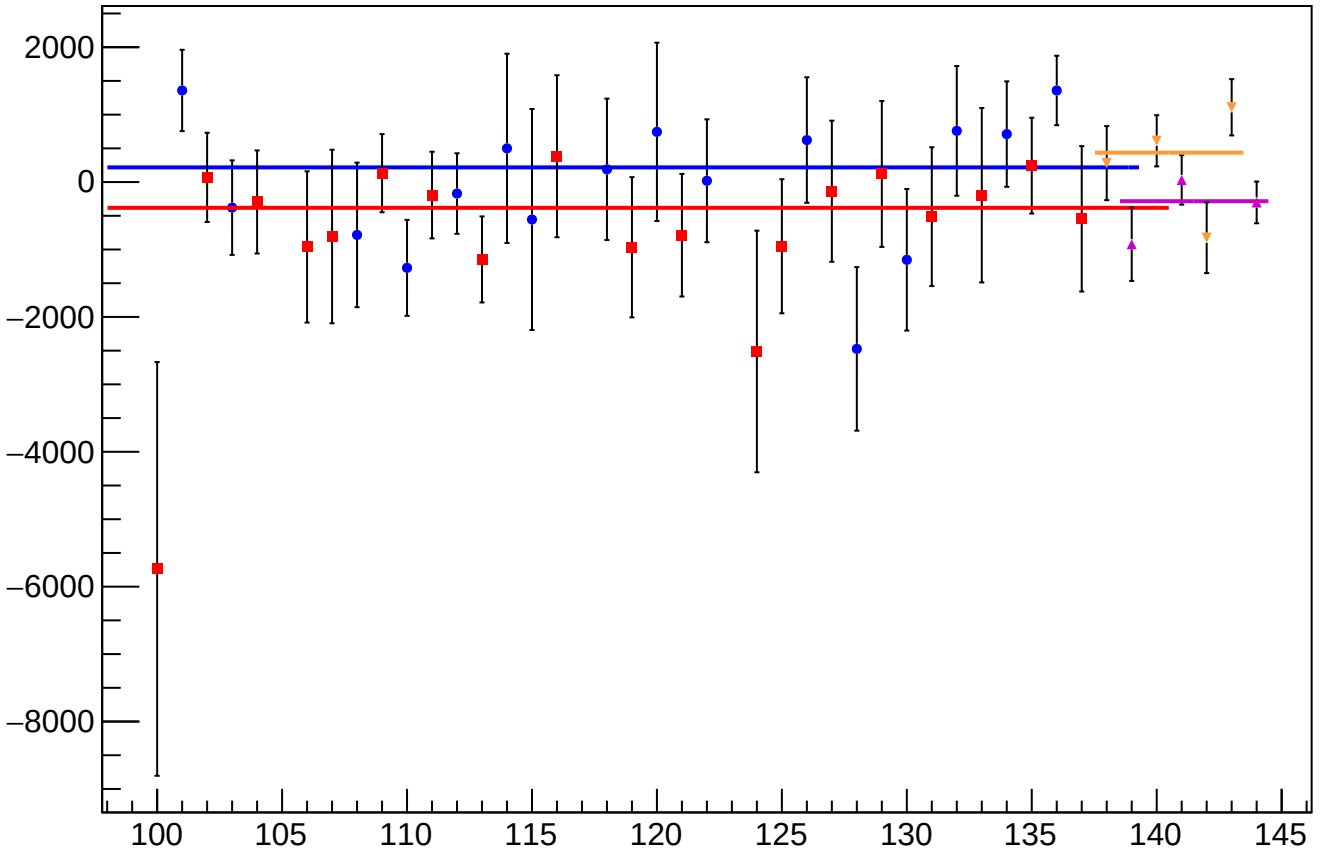
Left: 346.363+/-0.107 χ^2/NDF: 383639.0/6

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 431.113+/-0.102 χ^2/NDF:1800558.0/18

Out: 452.393+/-0.103 χ^2/NDF:1395199.6/22

All: 441.661+/-0.073 χ^2/NDF: 3217155.4/41



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 435.846+/-225.762 χ^2/NDF:8.7/3

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -283.769+/-216.872 χ^2/NDF:2.1/2

Left: 61.590+/-156.400 χ^2/NDF: 16.1/6

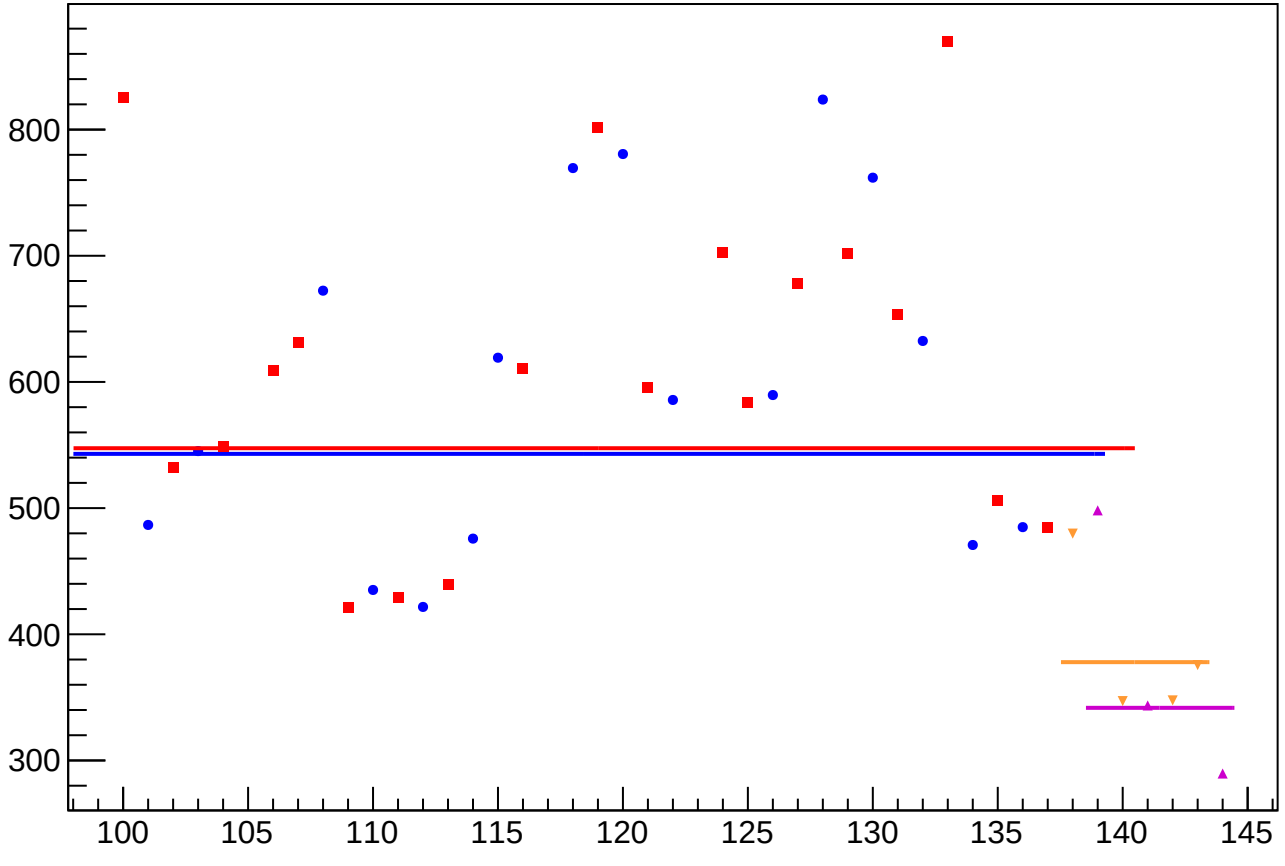
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -21.927+/-149.925 χ^2/NDF:27.8/18

Out: -11.160+/-152.004 χ^2/NDF:25.8/22

All: -16.617+/-106.741 χ^2/NDF: 53.6/41

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 377.924+/-0.160 χ^2/NDF:88746.1/3

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 341.718+/-0.153 χ^2/NDF:222483.8/2

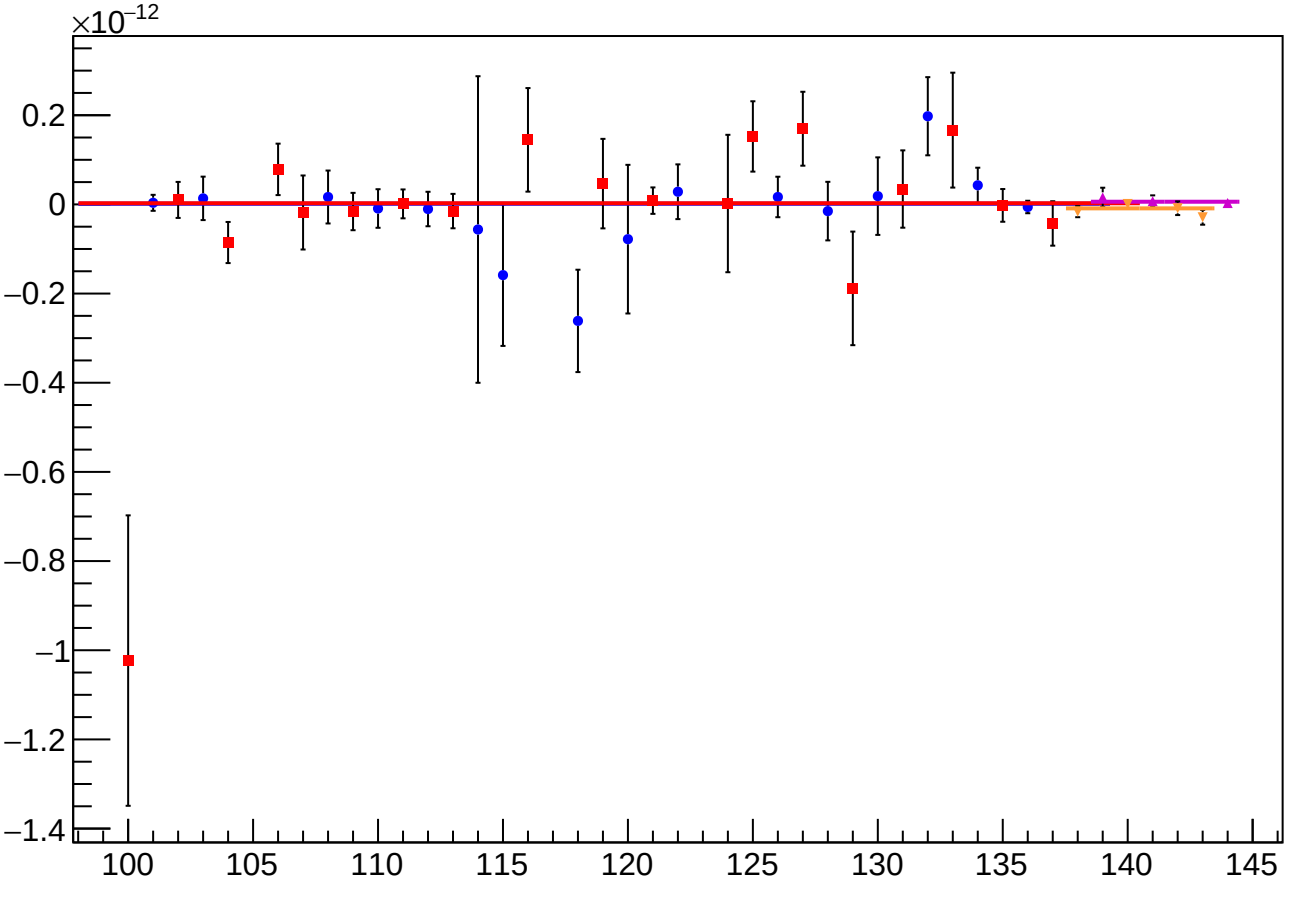
Left: 359.094+/-0.111 χ^2/NDF: 337981.1/6

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 446.805+/-0.106 χ^2/NDF:1727167.7/18

Out: 470.607+/-0.107 χ^2/NDF:1335632.3/22

All: 458.542+/-0.075 χ^2/NDF: 3087659.2/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/2

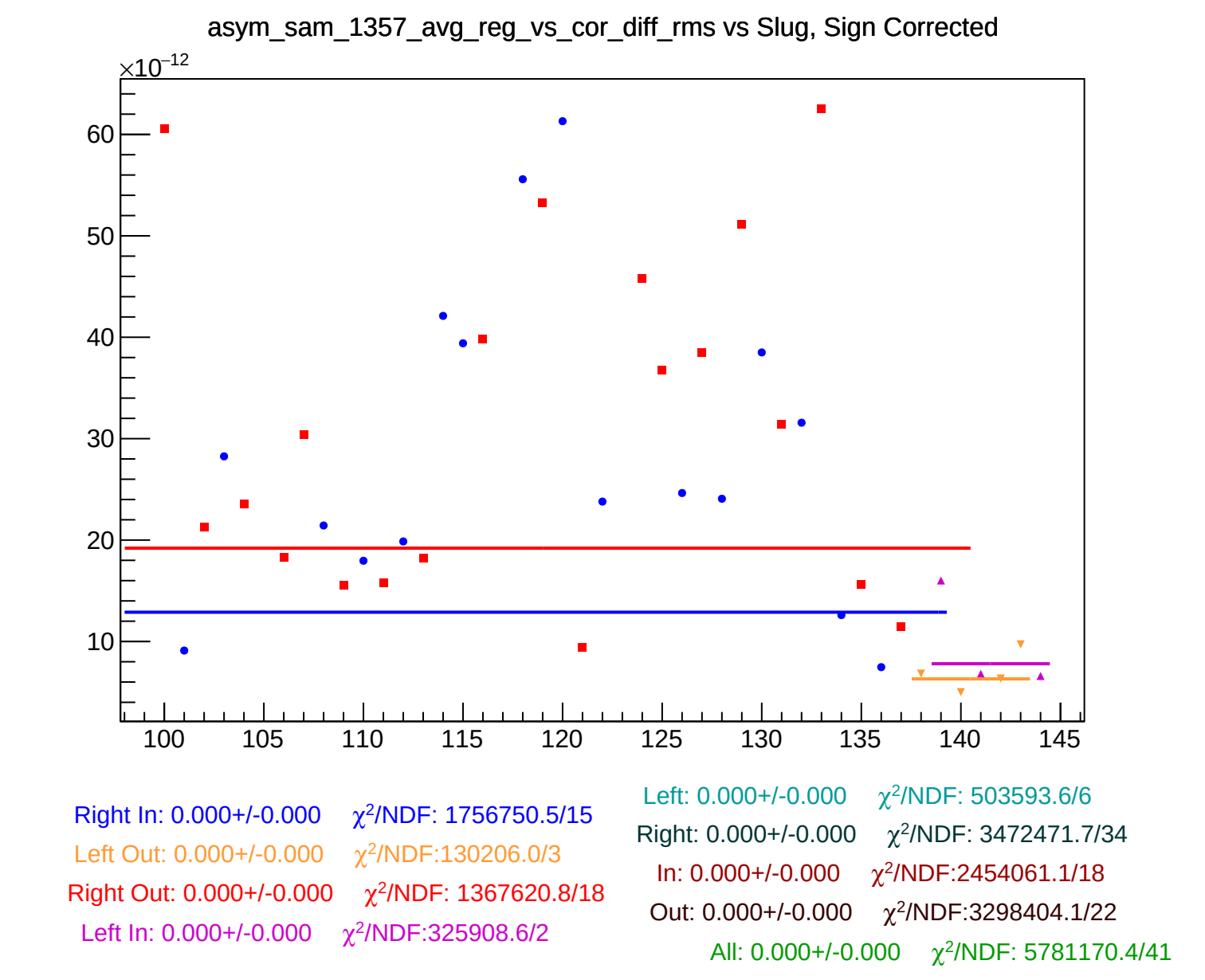
Left: -0.000+/-0.000 χ^2/NDF: 5.6/6

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

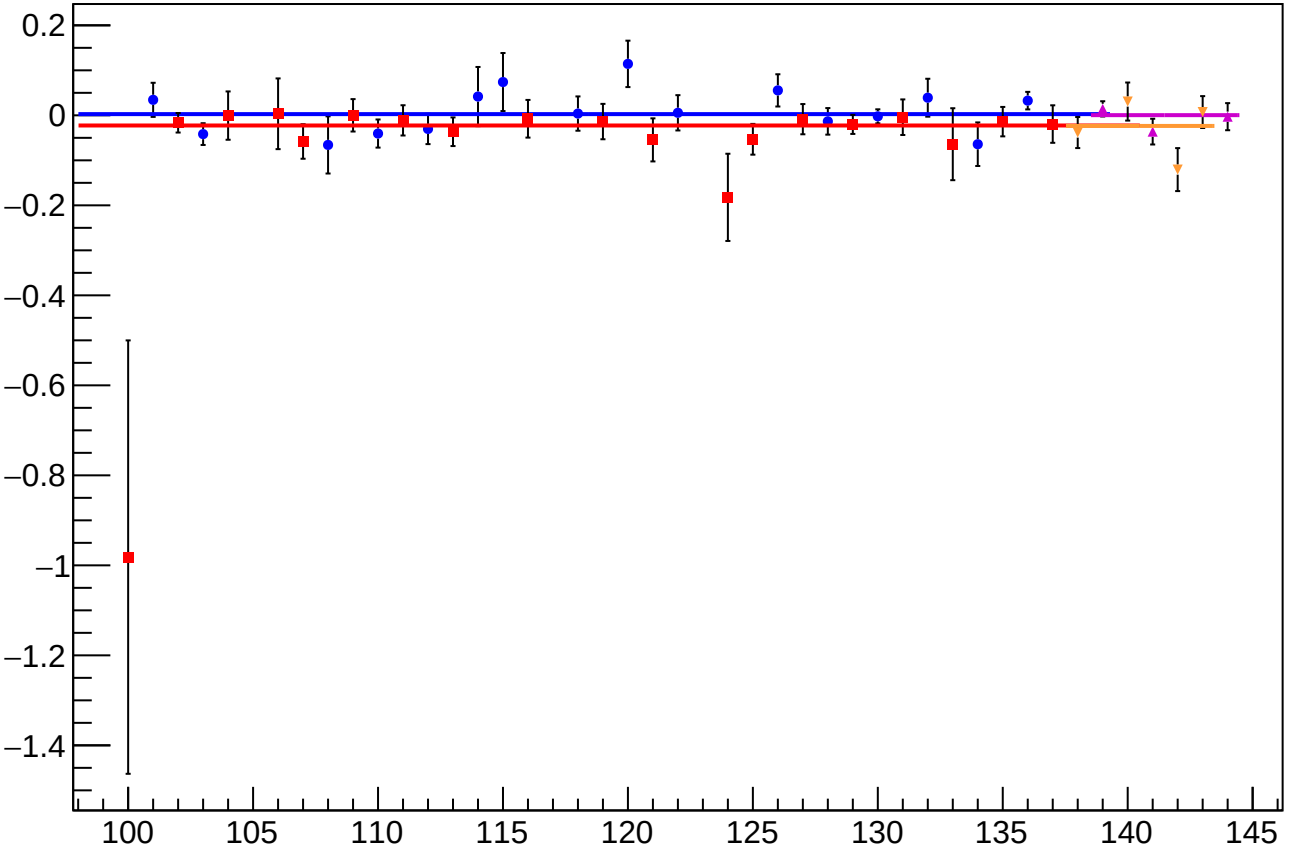
In: 0.000+/-0.000 χ^2/NDF:14.0/18

Out: -0.000+/-0.000 χ^2/NDF:33.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.6/41


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:130206.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:325908.6/2
Left: 0.000+/-0.000 χ²/NDF: 503593.6/6
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:2454061.1/18
Out: 0.000+/-0.000 χ²/NDF:3298404.1/22
All: 0.000+/-0.000 χ²/NDF: 5781170.4/41

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: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.013 χ^2/NDF:2.3/2

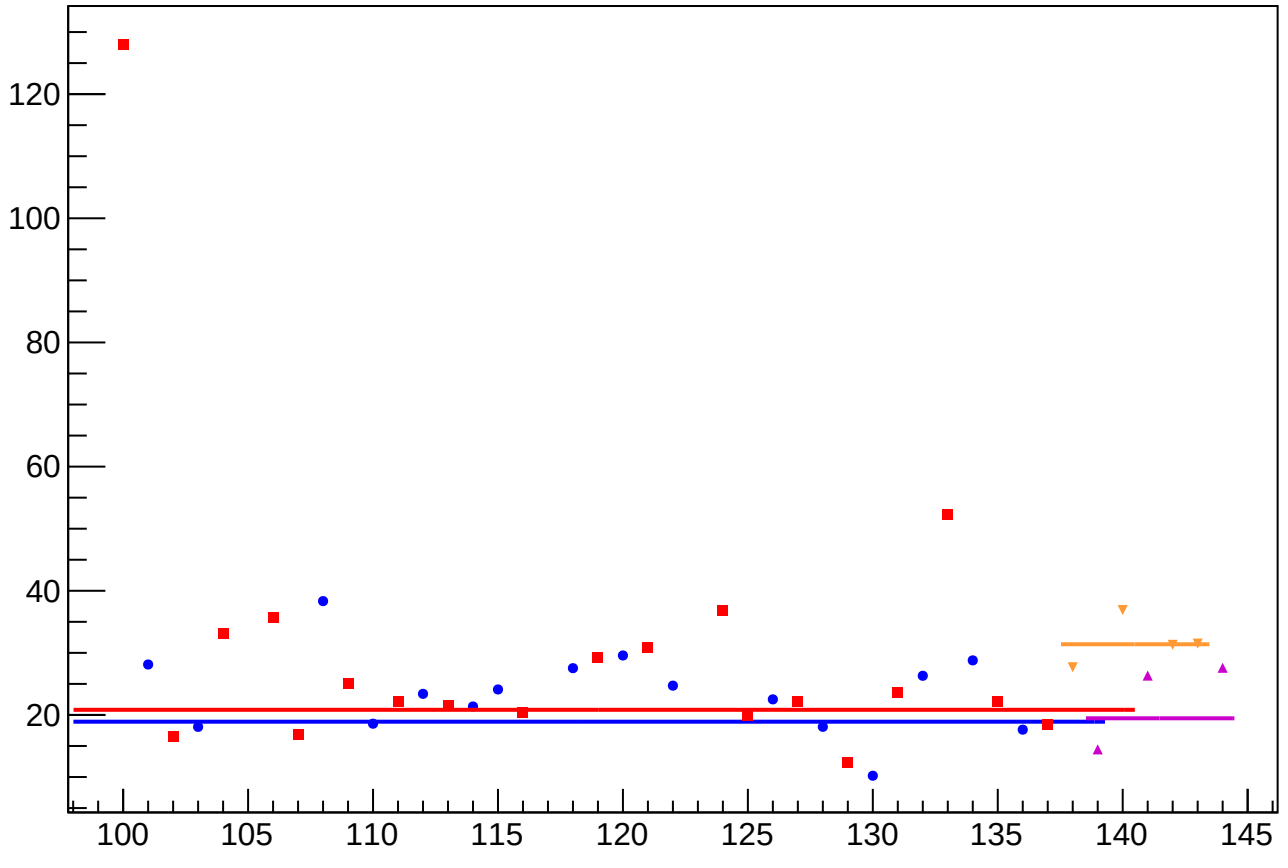
Left: -0.007+/-0.011 χ^2/NDF: 10.1/6

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/18

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/41



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.386+/-0.014 χ^2/NDF:57011.2/3

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.459+/-0.009 χ^2/NDF:436202.0/2

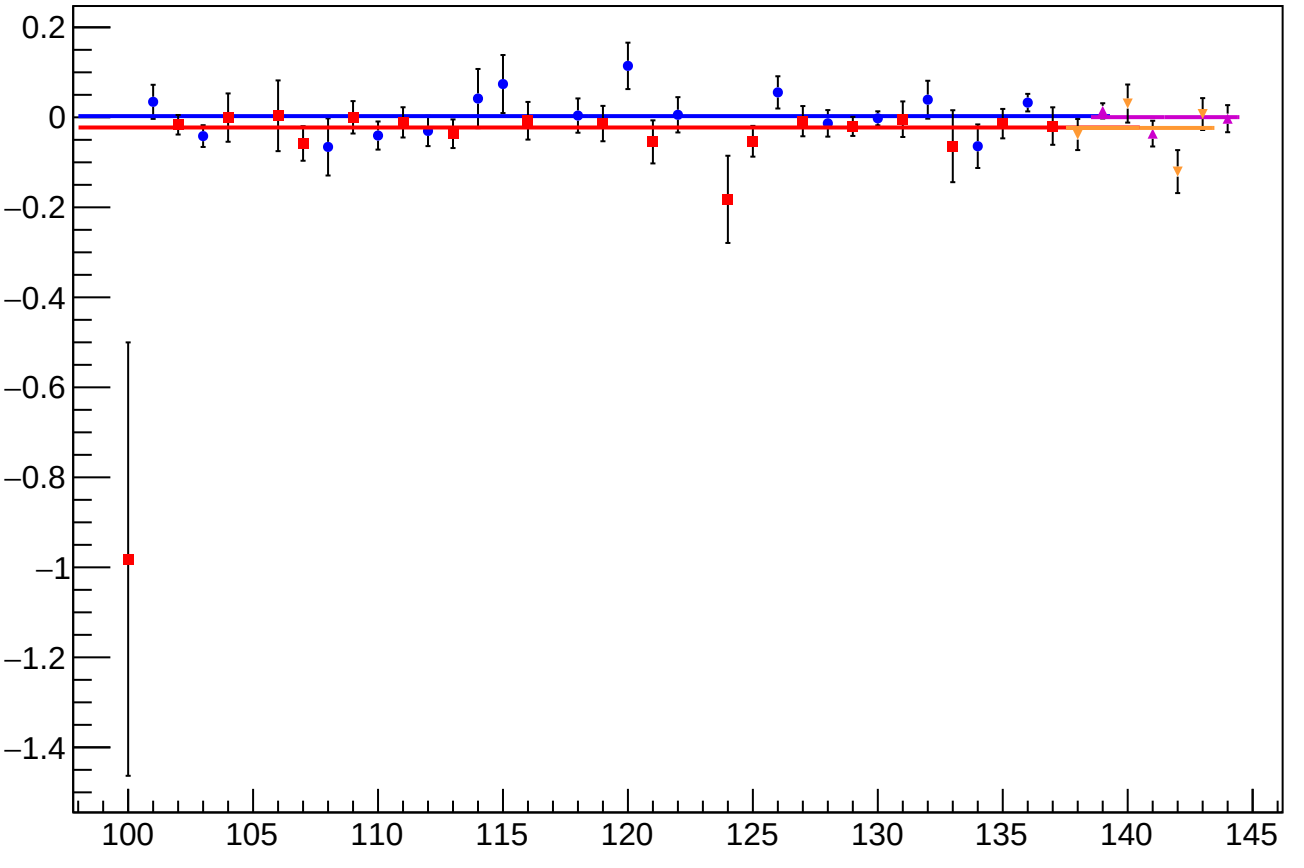
Left: 23.183+/-0.008 χ^2/NDF: 1008845.6/6

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.054+/-0.005 χ^2/NDF:1829121.9/18

Out: 22.498+/-0.005 χ^2/NDF:1843164.2/22

All: 20.529+/-0.004 χ^2/NDF: 3898043.9/41



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.013 χ^2/NDF:2.3/2

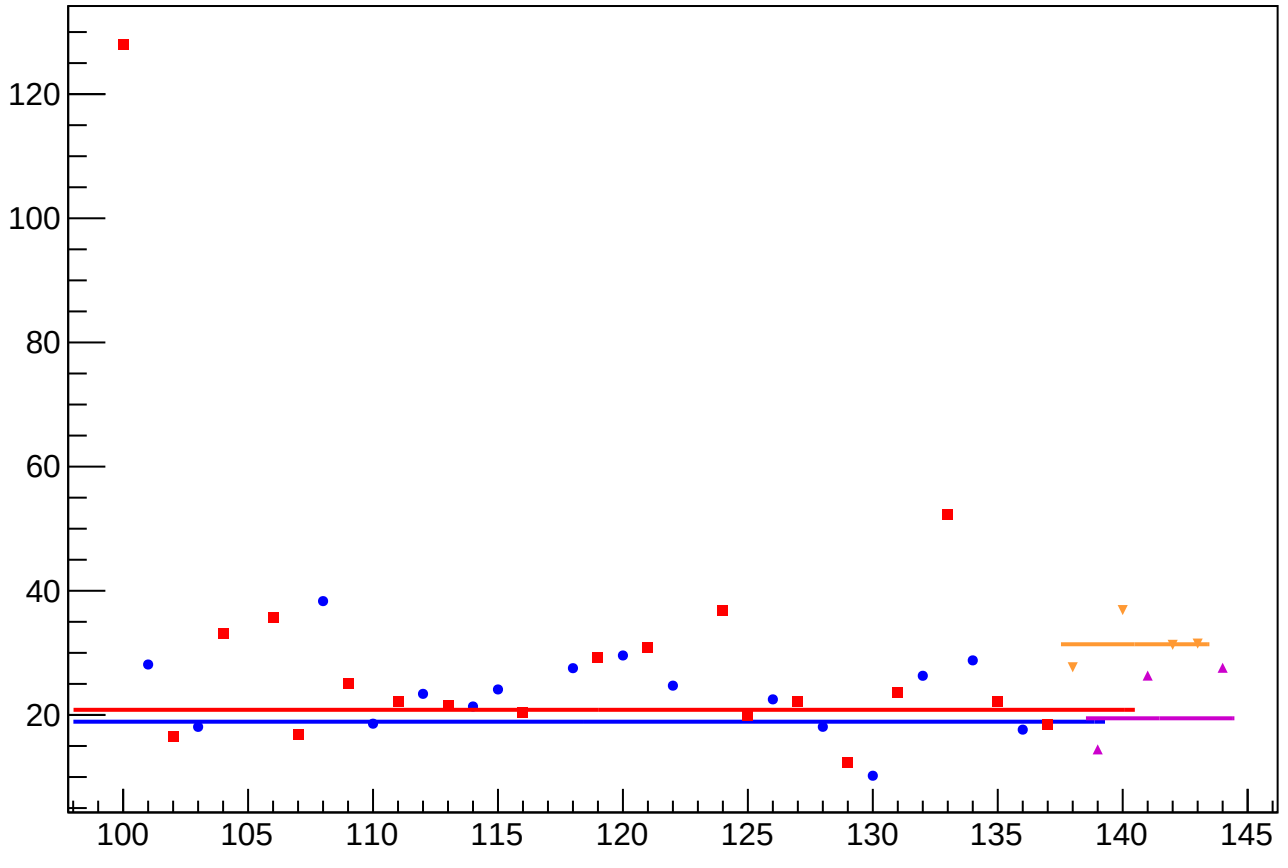
Left: -0.007+/-0.011 χ^2/NDF: 10.1/6

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/18

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/41



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.386+/-0.014 χ^2/NDF:57011.2/3

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.459+/-0.009 χ^2/NDF:436202.0/2

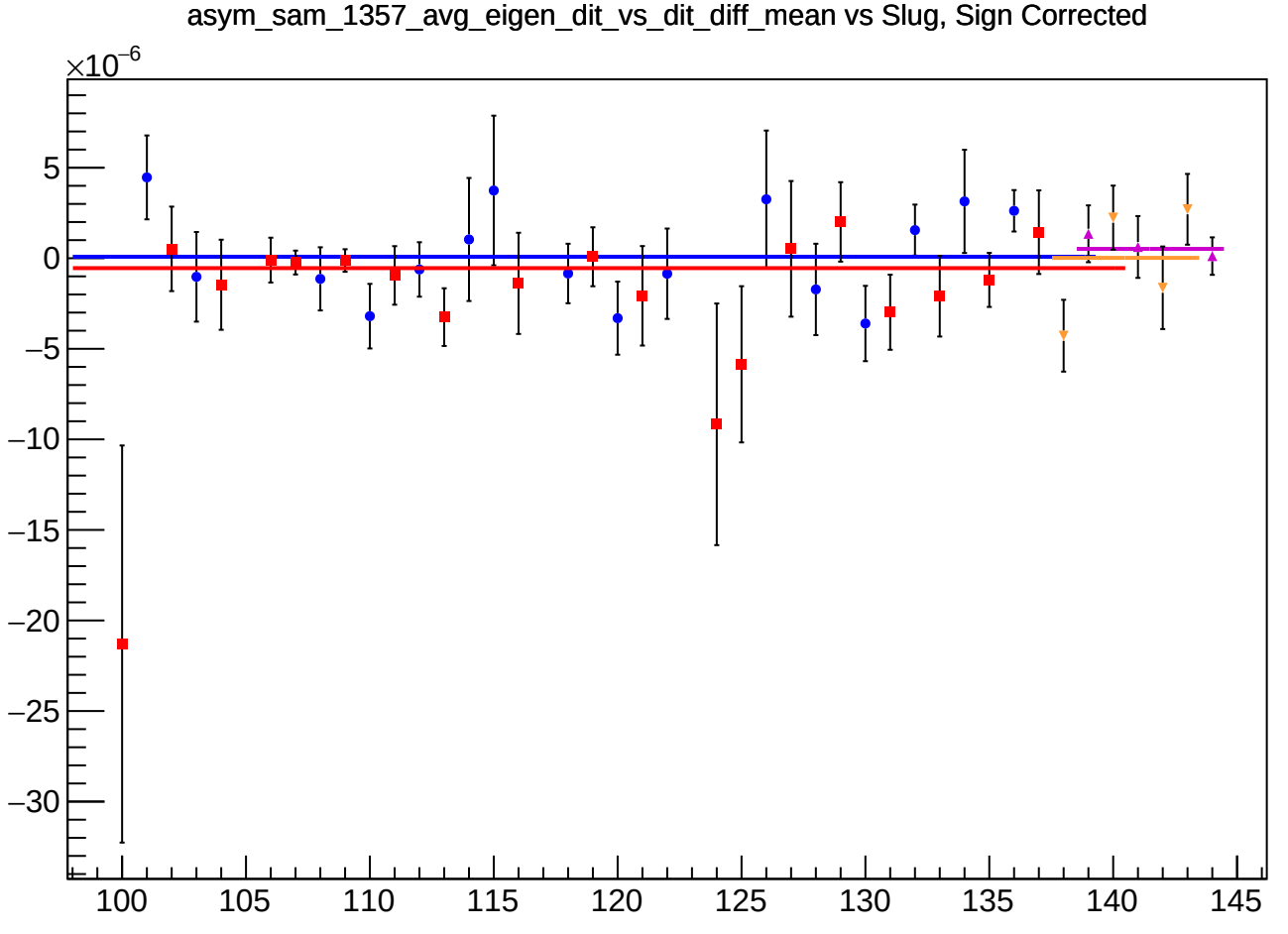
Left: 23.183+/-0.008 χ^2/NDF: 1008845.6/6

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.054+/-0.005 χ^2/NDF:1829121.9/18

Out: 22.498+/-0.005 χ^2/NDF:1843164.2/22

All: 20.529+/-0.004 χ^2/NDF: 3898043.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

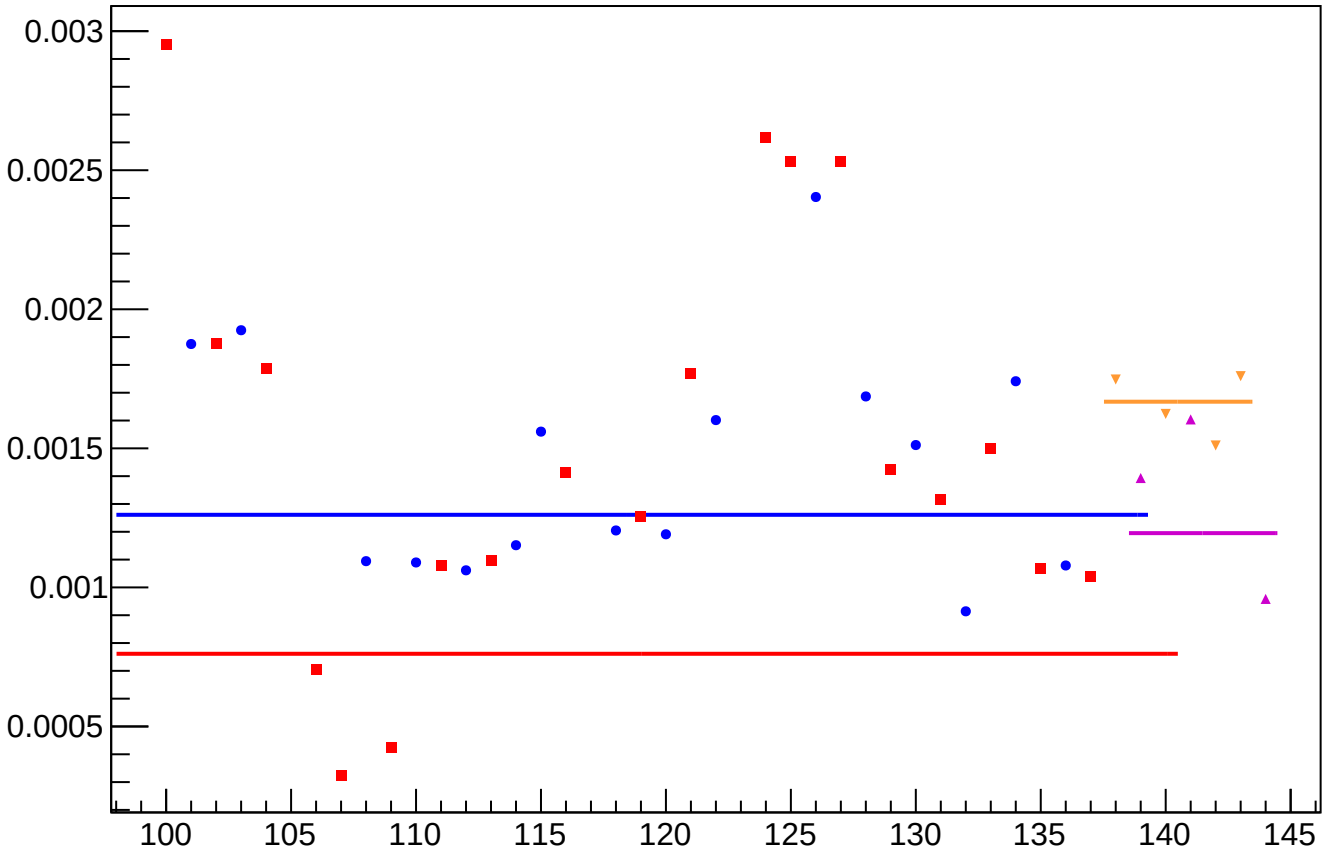
Left: 0.000+/-0.000 χ^2/NDF: 9.3/6

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.2/18

Out: -0.000+/-0.000 χ^2/NDF:24.6/22

All: -0.000+/-0.000 χ^2/NDF: 50.6/41



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:18425.9/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:251206.7/2

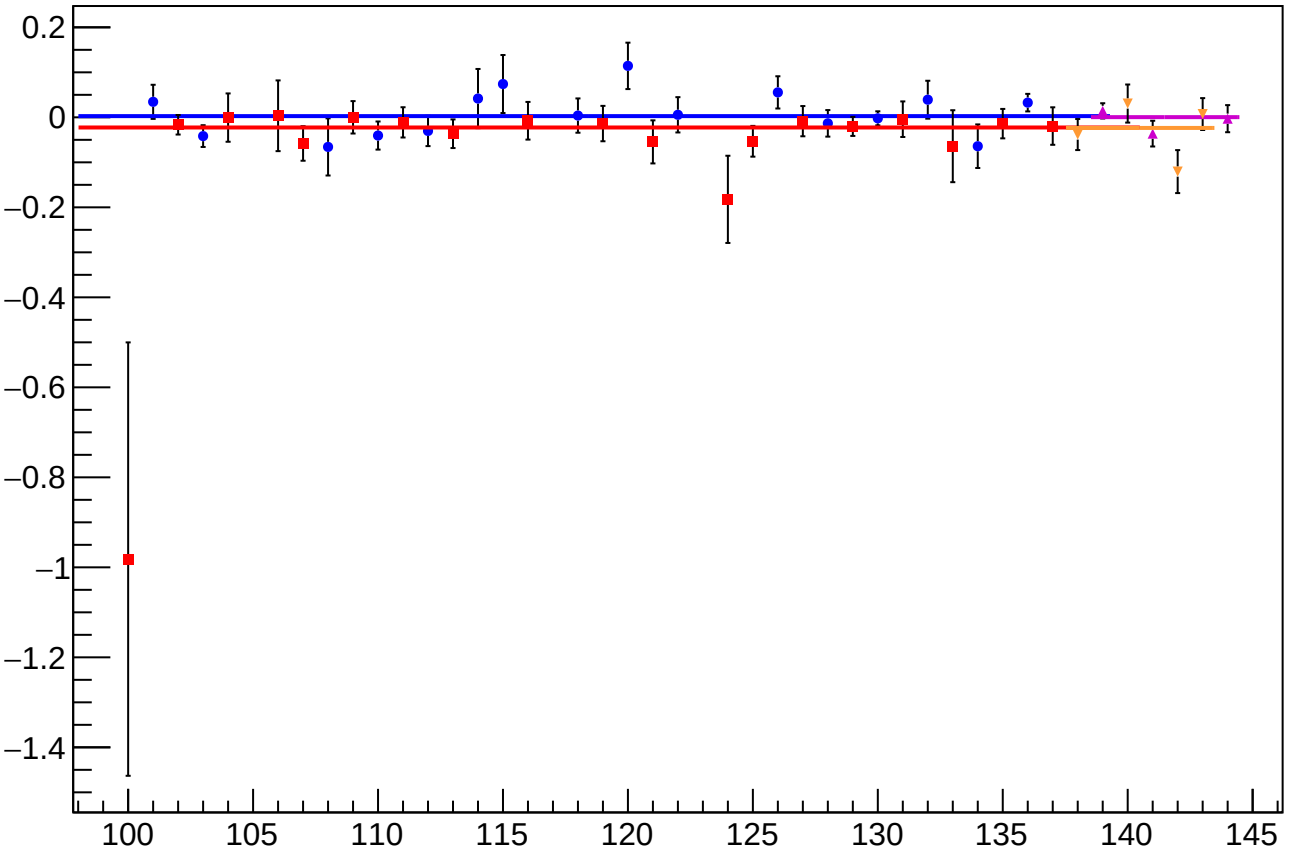
Left: 0.001+/-0.000 χ^2/NDF: 554723.3/6

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1168996.0/18

Out: 0.001+/-0.000 χ^2/NDF:6202394.7/22

All: 0.001+/-0.000 χ^2/NDF: 8463003.6/41



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.013 χ^2/NDF:2.3/2

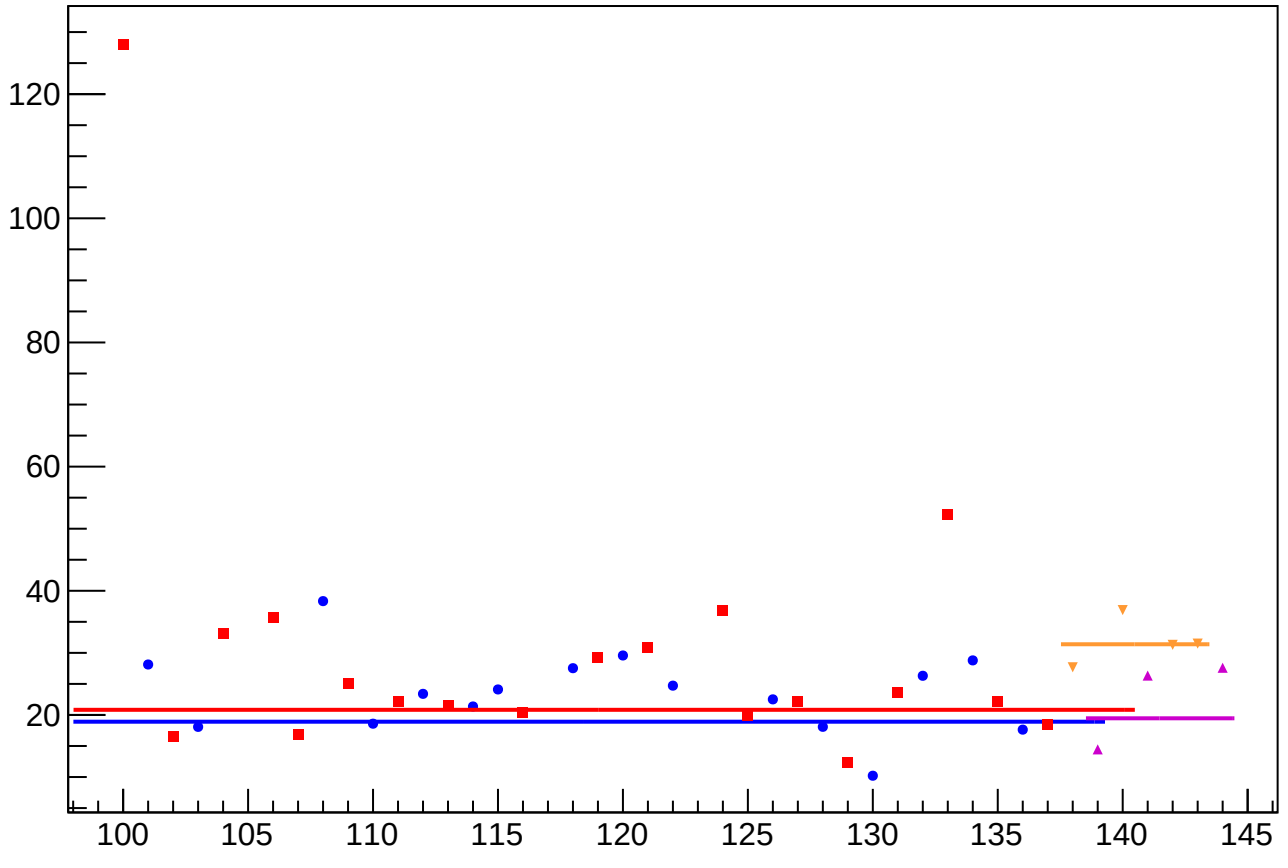
Left: -0.007+/-0.011 χ^2/NDF: 10.1/6

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/18

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.7/41



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 31.387+/-0.014 χ^2/NDF:57012.6/3

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.460+/-0.009 χ^2/NDF:436164.6/2

Left: 23.184+/-0.008 χ^2/NDF: 1008775.8/6

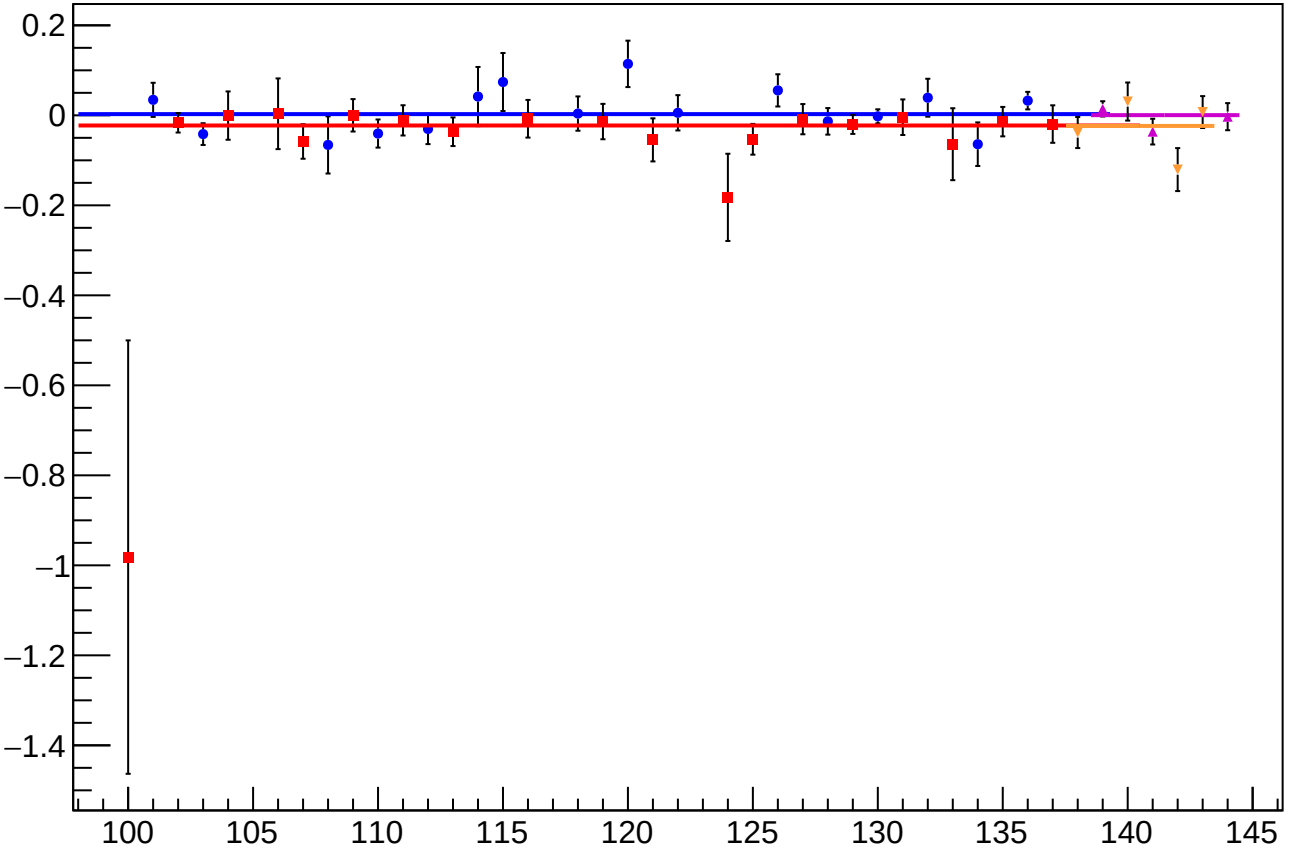
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.055+/-0.005 χ^2/NDF:1828971.6/18

Out: 22.499+/-0.005 χ^2/NDF:1843180.9/22

All: 20.530+/-0.004 χ^2/NDF: 3897872.8/41

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: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.000+/-0.013 χ^2/NDF:2.3/2

Left: -0.007+/-0.011 χ^2/NDF: 10.1/6

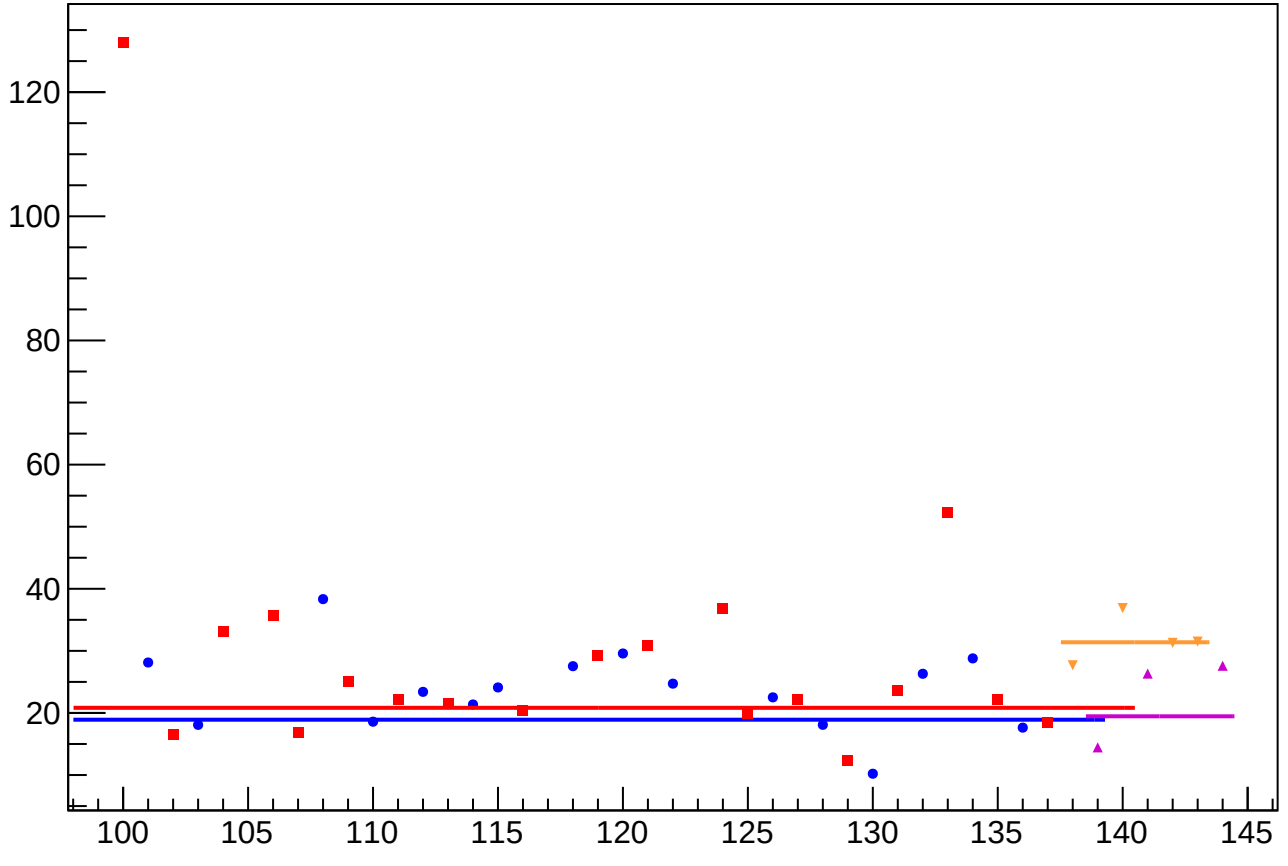
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/18

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.7/41

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: 31.387+/-0.014 χ^2/NDF:57012.6/3

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.460+/-0.009 χ^2/NDF:436164.6/2

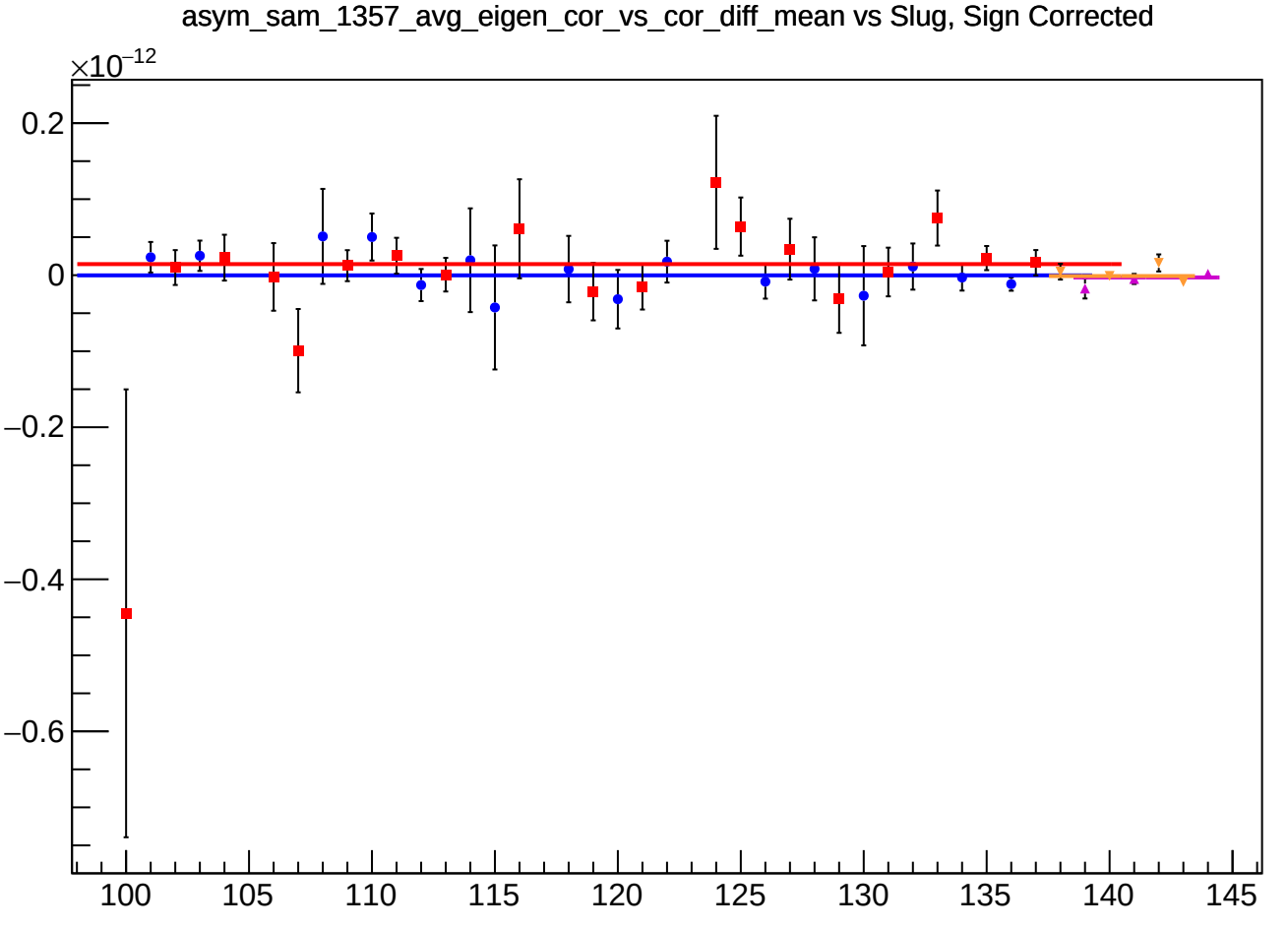
Left: 23.184+/-0.008 χ^2/NDF: 1008775.8/6

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.055+/-0.005 χ^2/NDF:1828971.6/18

Out: 22.499+/-0.005 χ^2/NDF:1843180.9/22

All: 20.530+/-0.004 χ^2/NDF: 3897872.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/2

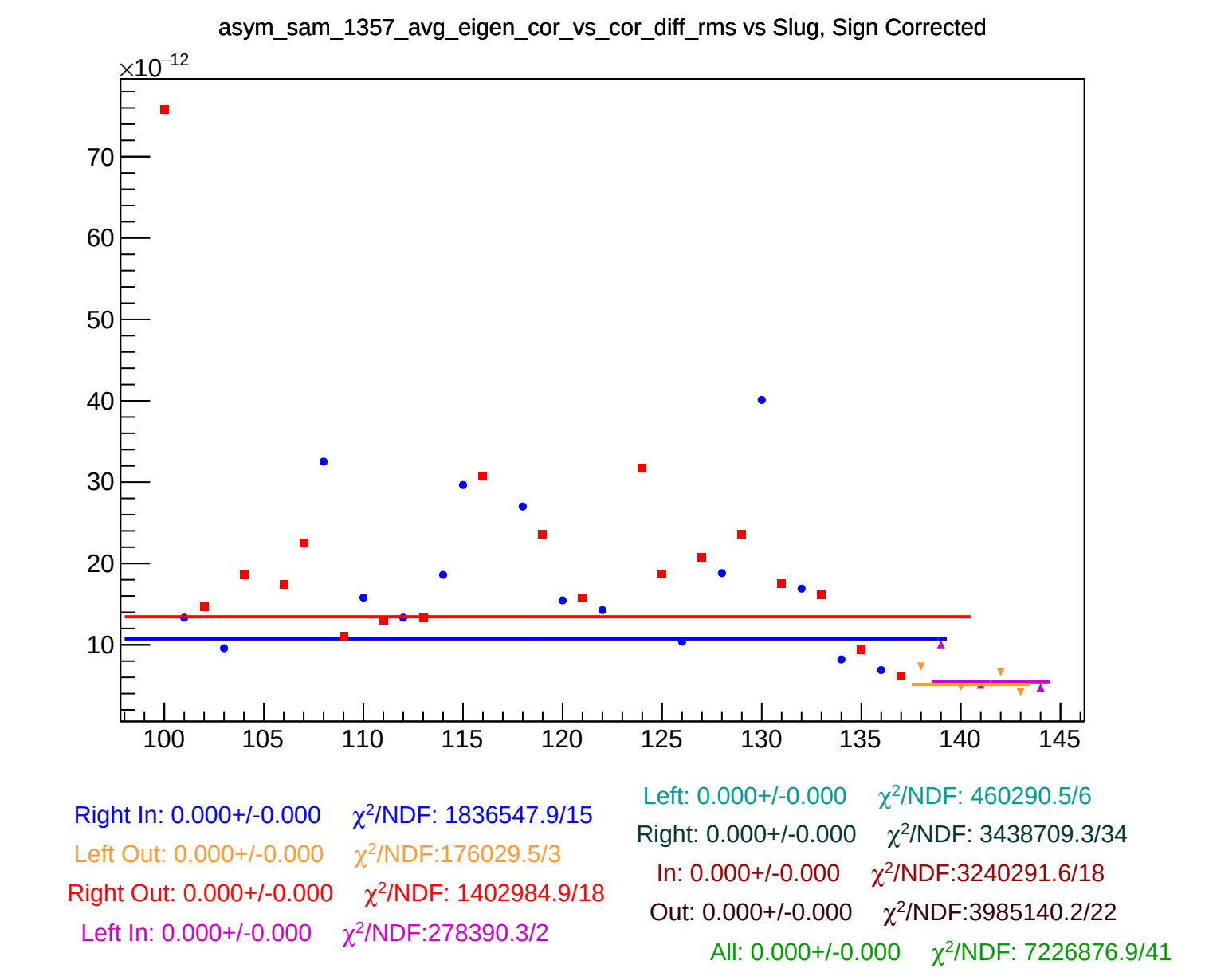
Left: -0.000+/-0.000 χ^2/NDF: 6.2/6

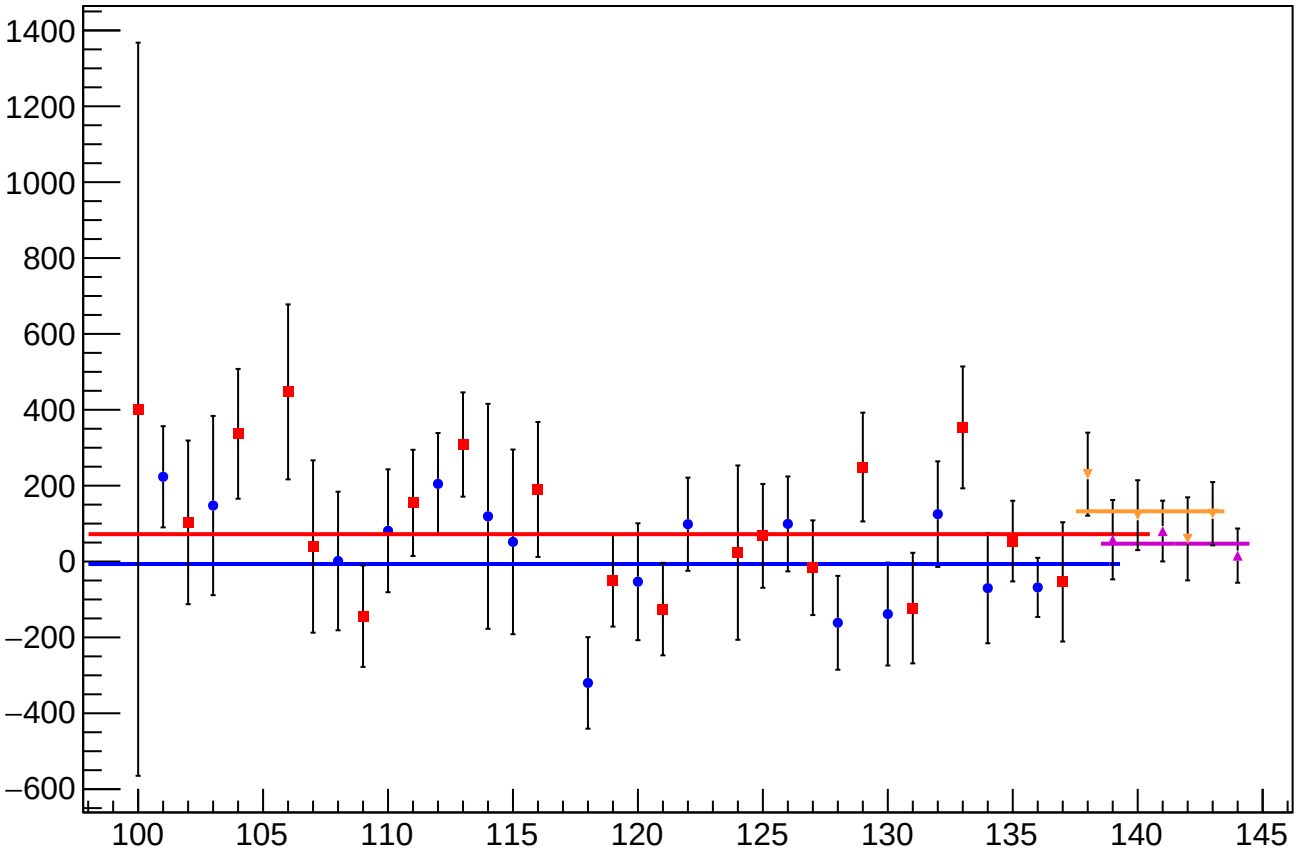
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:12.6/18

Out: 0.000+/-0.000 χ^2/NDF:26.1/22

All: 0.000+/-0.000 χ^2/NDF: 39.8/41


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:176029.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:278390.3/2
Left: 0.000+/-0.000 χ²/NDF: 460290.5/6
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3240291.6/18
Out: 0.000+/-0.000 χ²/NDF:3985140.2/22
All: 0.000+/-0.000 χ²/NDF: 7226876.9/41



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.418+/-48.305 χ^2/NDF:1.3/3

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 47.044+/-47.524 χ^2/NDF:0.4/2

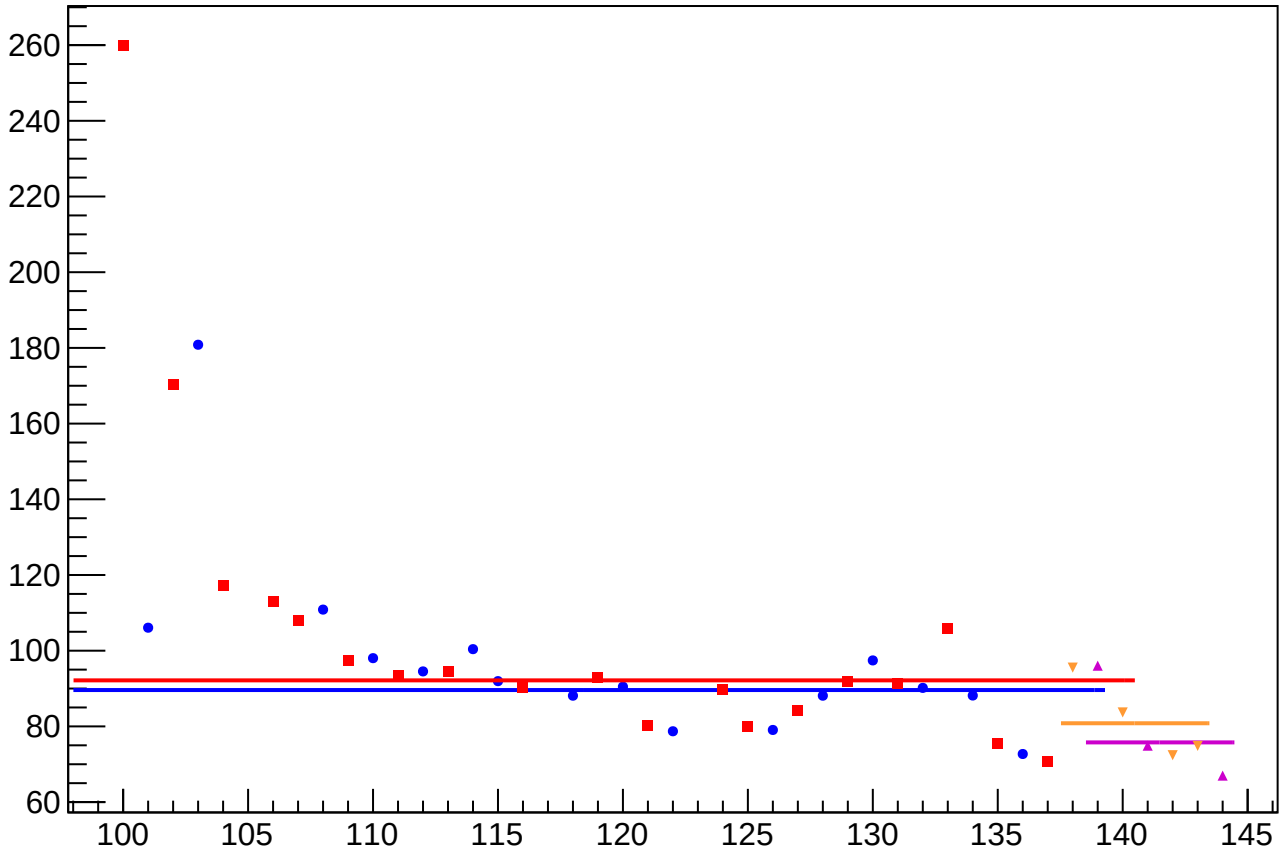
Left: 89.035+/-33.877 χ^2/NDF: 3.2/6

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 11.791+/-27.805 χ^2/NDF:20.1/18

Out: 92.789+/-28.280 χ^2/NDF:25.1/22

All: 51.604+/-19.827 χ^2/NDF: 49.4/41



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

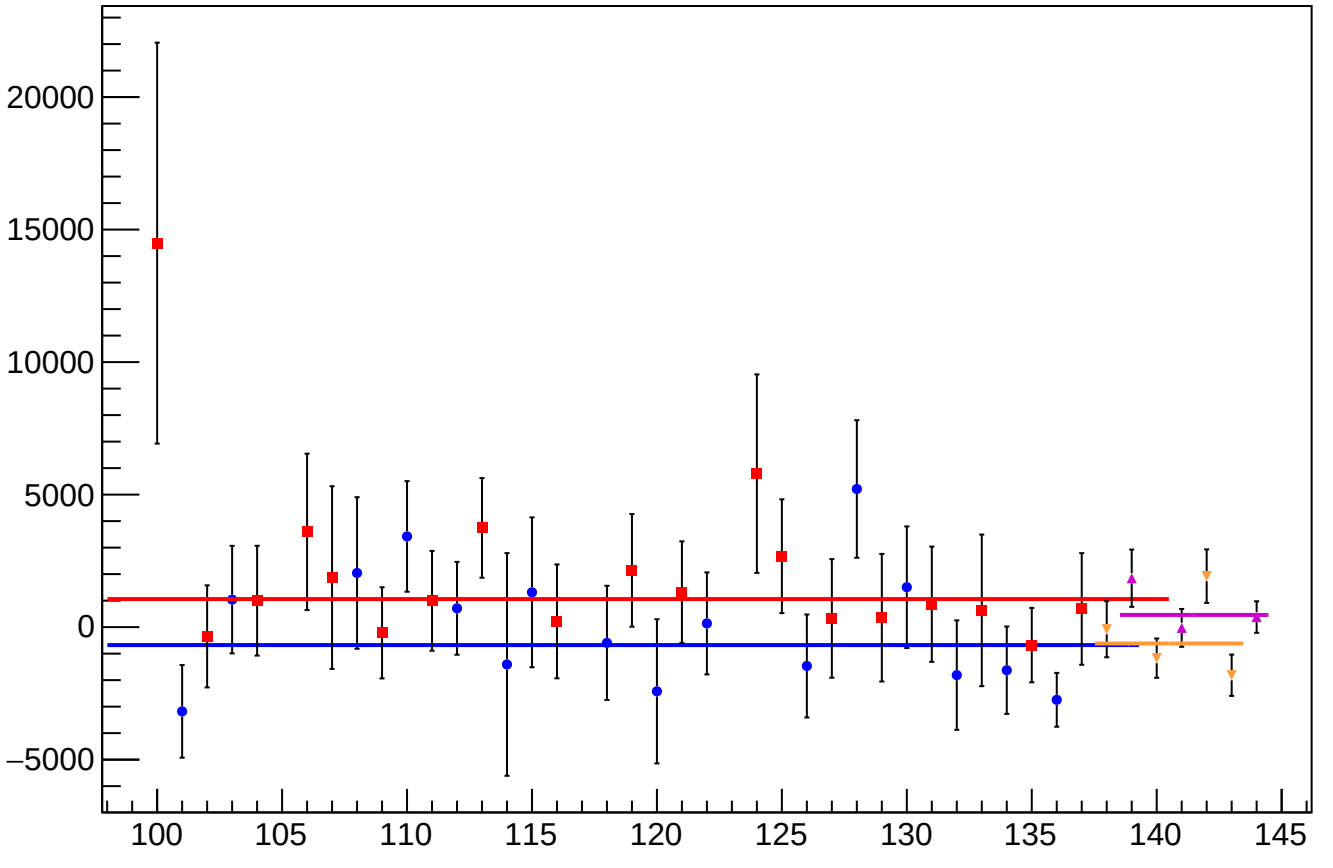
Left: 78.258+/-0.024 χ^2/NDF: 176764.5/6

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 84.868+/-0.020 χ^2/NDF:715192.9/18

Out: 88.277+/-0.020 χ^2/NDF:674684.5/22

All: 86.544+/-0.014 χ^2/NDF: 1404648.5/41



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -618.105+/-432.909 χ^2/NDF:9.5/3

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 460.089+/-420.693 χ^2/NDF:2.1/2

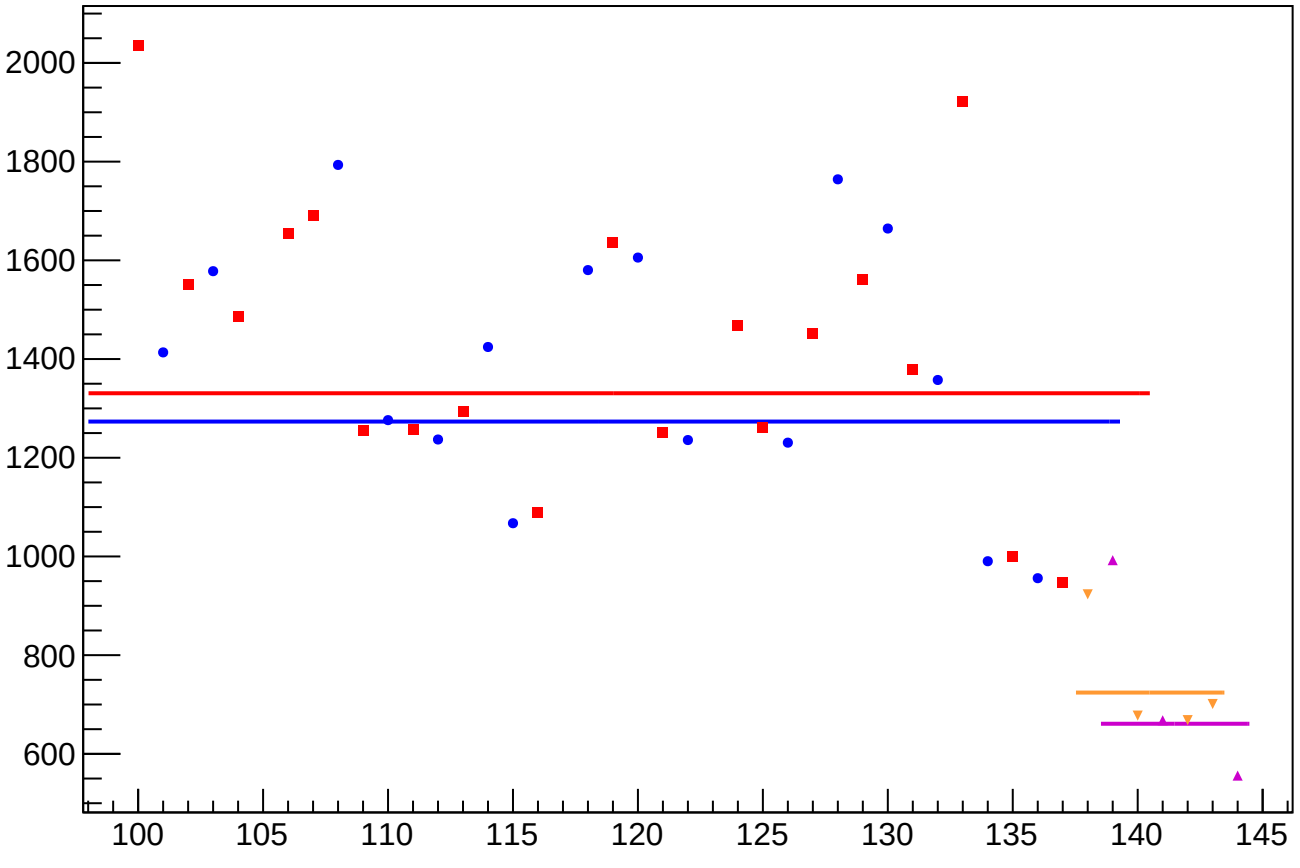
Left: -63.580+/-301.701 χ^2/NDF: 14.8/6

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -26.589+/-318.212 χ^2/NDF:25.5/18

Out: 106.379+/-326.252 χ^2/NDF:27.4/22

All: 38.236+/-227.799 χ^2/NDF: 53.1/41



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 724.212+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 661.002+/-0.297 χ^2/NDF:250611.3/2

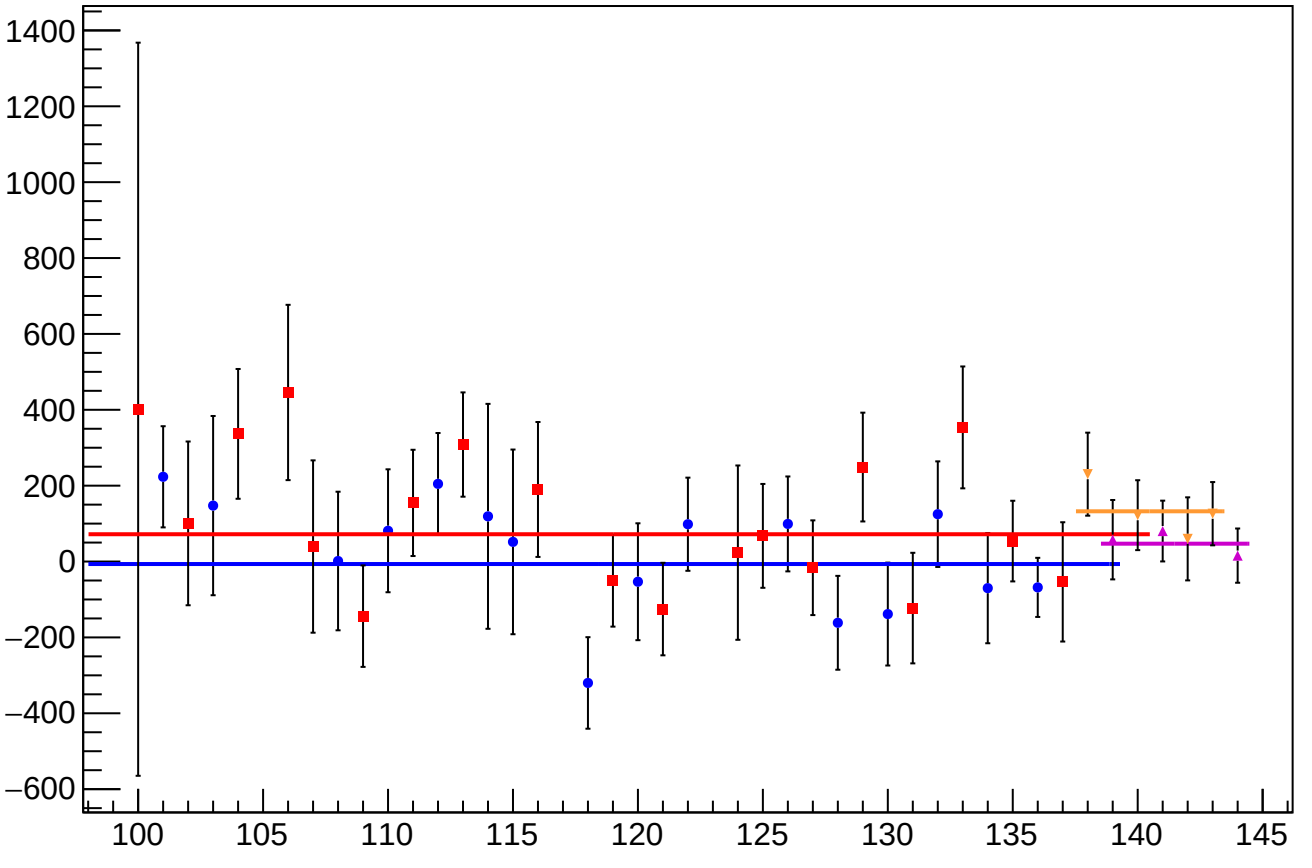
Left: 691.703+/-0.213 χ^2/NDF: 359113.1/6

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 922.991+/-0.225 χ^2/NDF:2660980.5/18

Out: 986.236+/-0.231 χ^2/NDF:2253124.3/22

All: 953.824+/-0.161 χ^2/NDF: 4952621.4/41



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.428+/-48.305 χ^2/NDF:1.3/3

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 47.053+/-47.524 χ^2/NDF:0.4/2

Left: 89.045+/-33.877 χ^2/NDF: 3.2/6

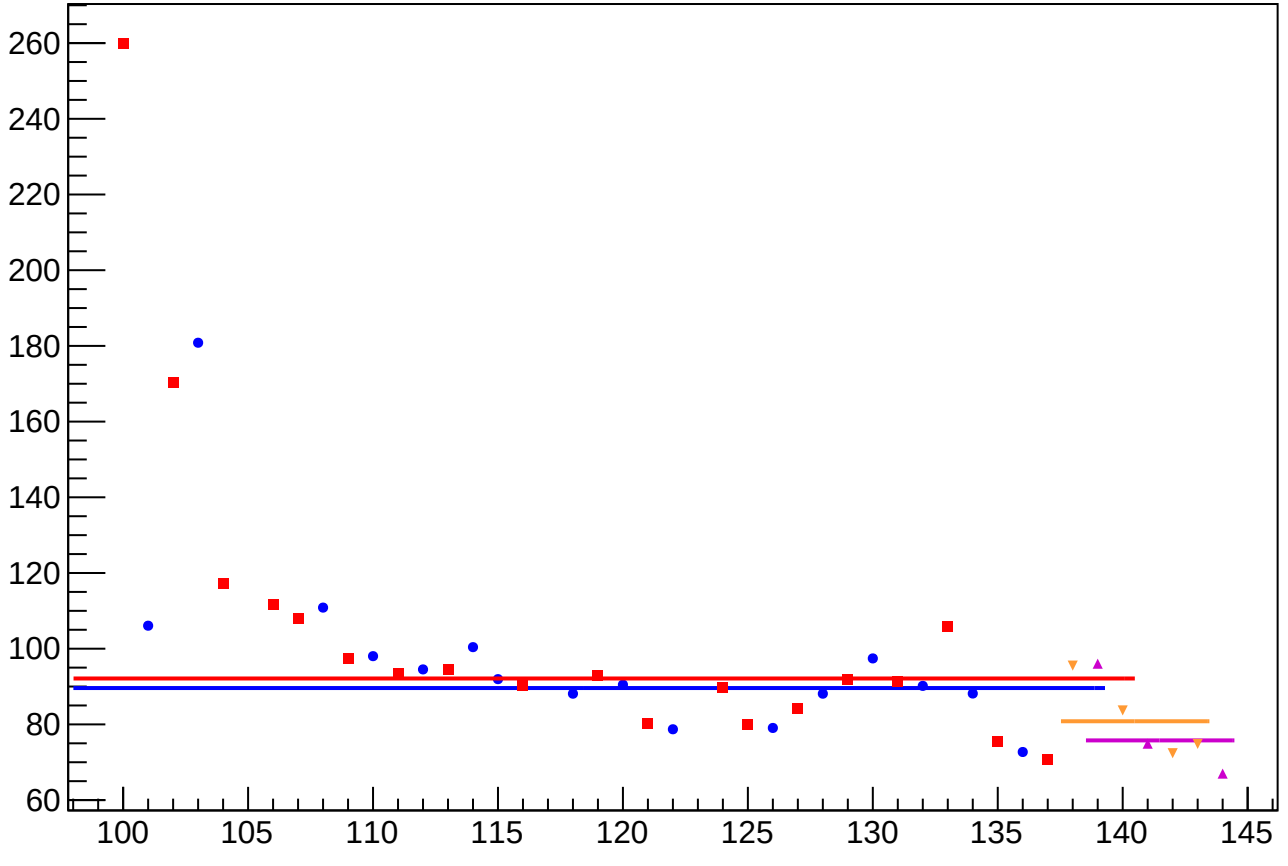
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 11.787+/-27.805 χ^2/NDF:20.1/18

Out: 92.700+/-28.281 χ^2/NDF:25.0/22

All: 51.558+/-19.827 χ^2/NDF: 49.3/41

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

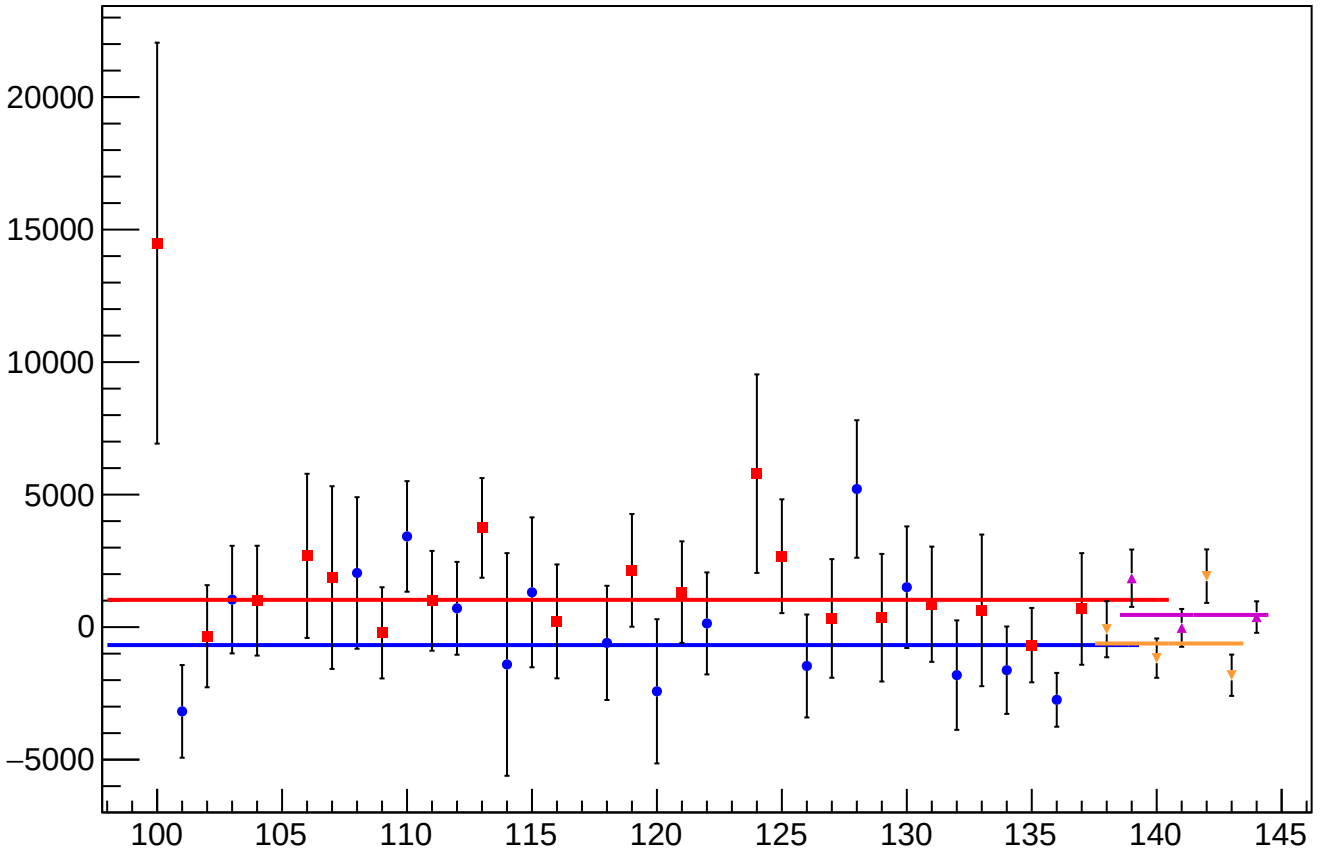
Left: 78.258+/-0.024 χ^2/NDF: 176764.5/6

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 84.868+/-0.020 χ^2/NDF:715196.5/18

Out: 88.256+/-0.020 χ^2/NDF:672510.7/22

All: 86.533+/-0.014 χ^2/NDF: 1402294.7/41



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 460.101+/-420.693 χ^2/NDF:2.1/2

Left: -63.568+/-301.701 χ^2/NDF: 14.8/6

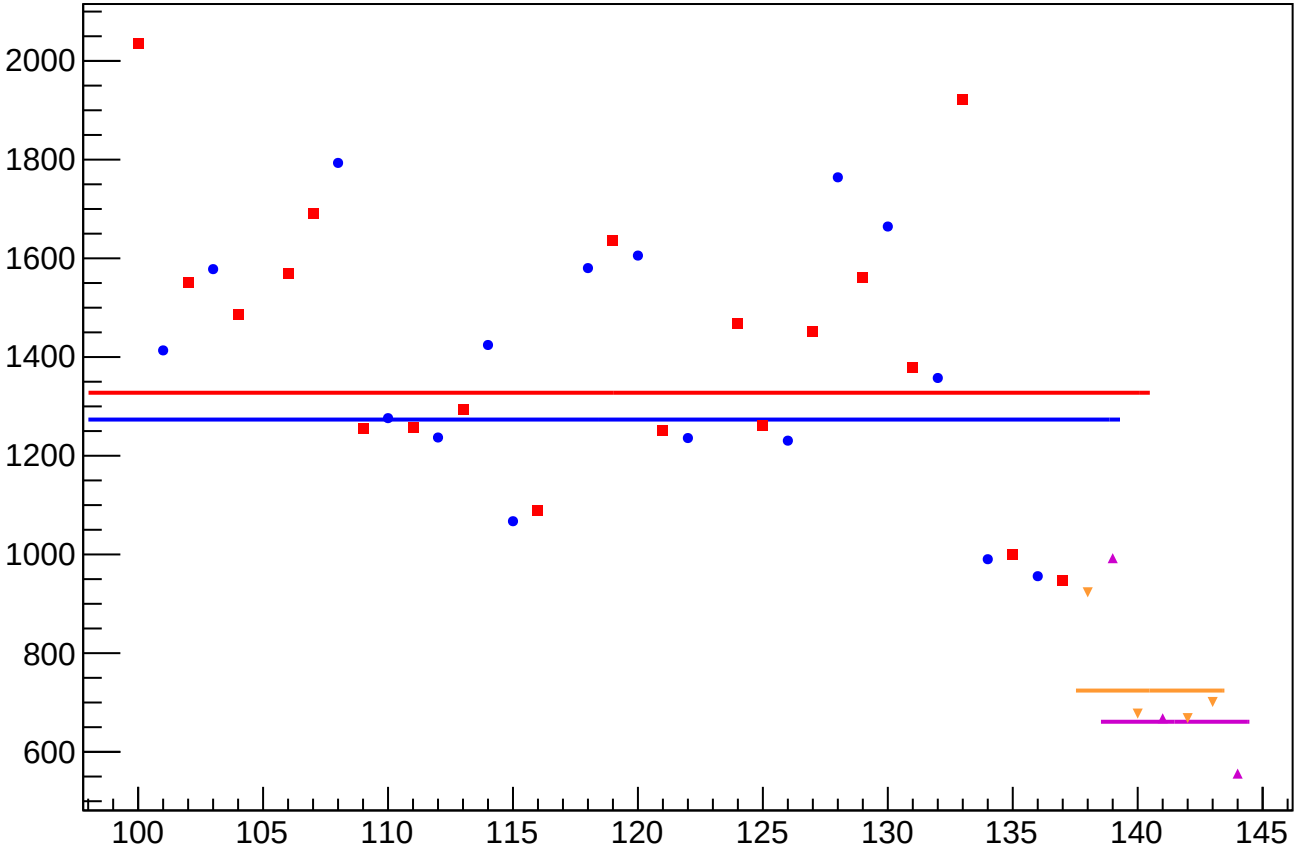
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -26.565+/-318.212 χ^2/NDF:25.5/18

Out: 92.613+/-326.441 χ^2/NDF:26.7/22

All: 31.503+/-227.864 χ^2/NDF: 52.3/41

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: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 661.003+/-0.297 χ^2/NDF:250610.5/2

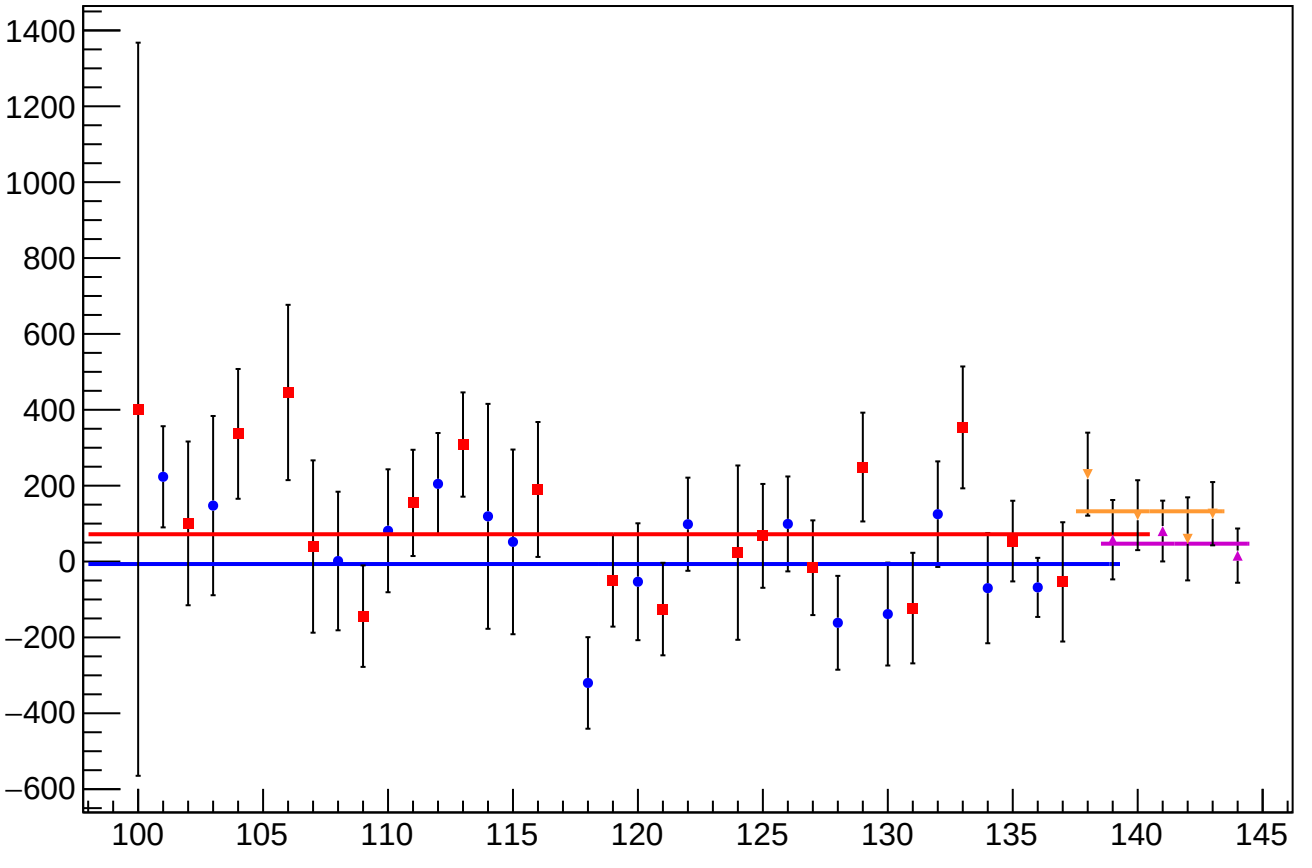
Left: 691.703+/-0.213 χ^2/NDF: 359111.5/6

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 922.991+/-0.225 χ^2/NDF:2661015.3/18

Out: 984.531+/-0.231 χ^2/NDF:2221483.1/22

All: 952.976+/-0.161 χ^2/NDF: 4918944.2/41



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.428+/-48.305 χ^2/NDF:1.3/3

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 47.053+/-47.524 χ^2/NDF:0.4/2

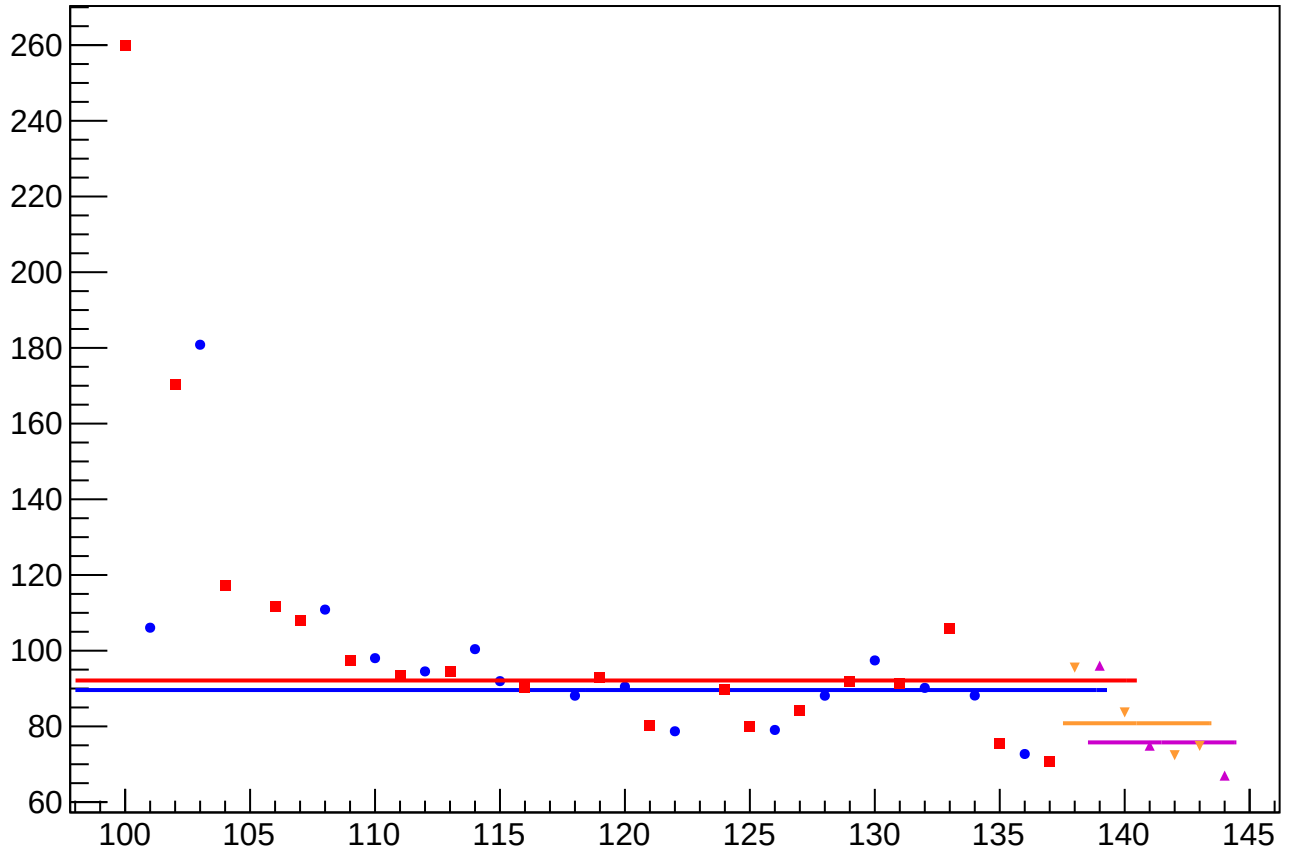
Left: 89.045+/-33.877 χ^2/NDF: 3.2/6

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 11.787+/-27.805 χ^2/NDF:20.1/18

Out: 92.700+/-28.281 χ^2/NDF:25.0/22

All: 51.558+/-19.827 χ^2/NDF: 49.3/41



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.771+/-0.034 χ^2/NDF:105369.8/2

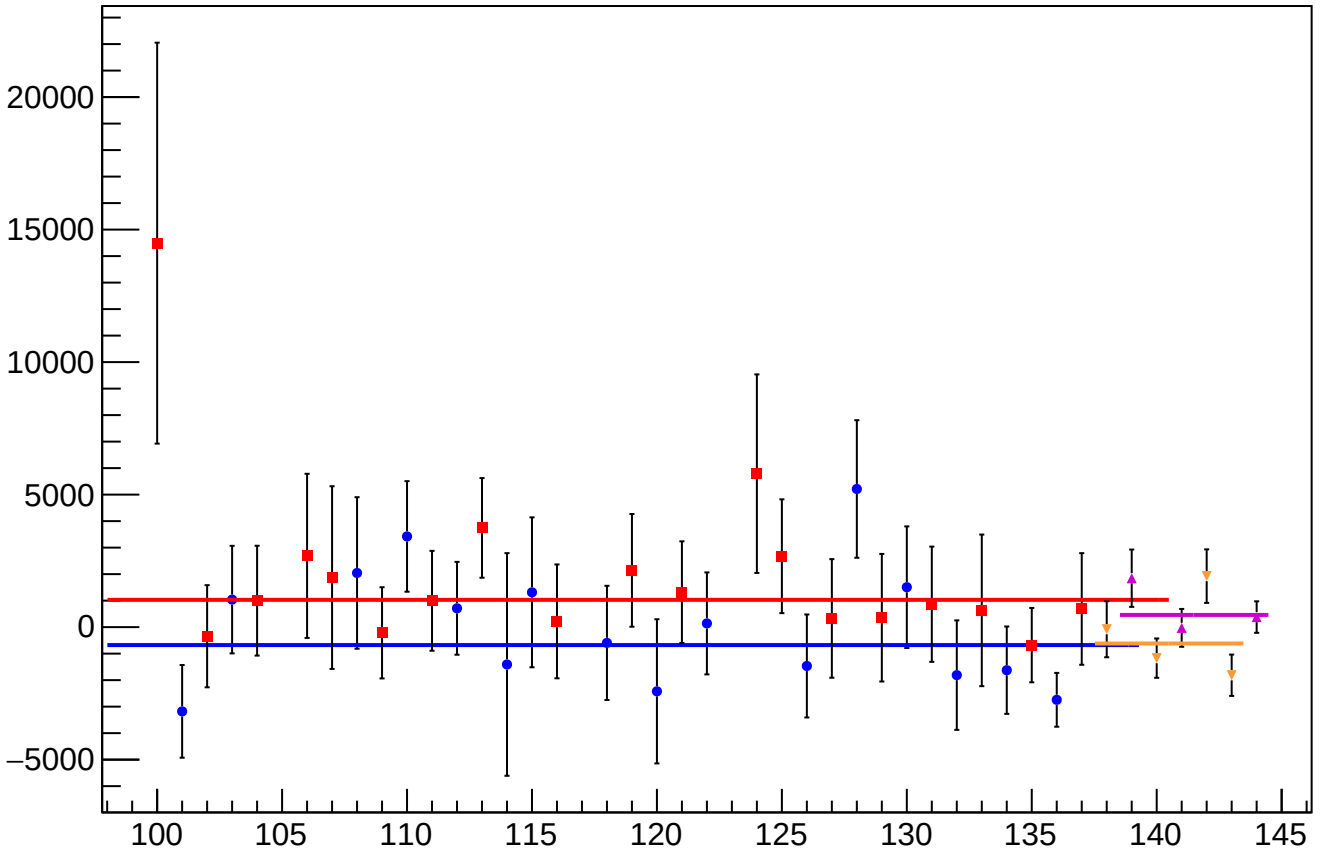
Left: 78.258+/-0.024 χ^2/NDF: 176764.5/6

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 84.868+/-0.020 χ^2/NDF:715196.5/18

Out: 88.256+/-0.020 χ^2/NDF:672510.7/22

All: 86.533+/-0.014 χ^2/NDF: 1402294.7/41



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 460.101+/-420.693 χ^2/NDF:2.1/2

Left: -63.568+/-301.701 χ^2/NDF: 14.8/6

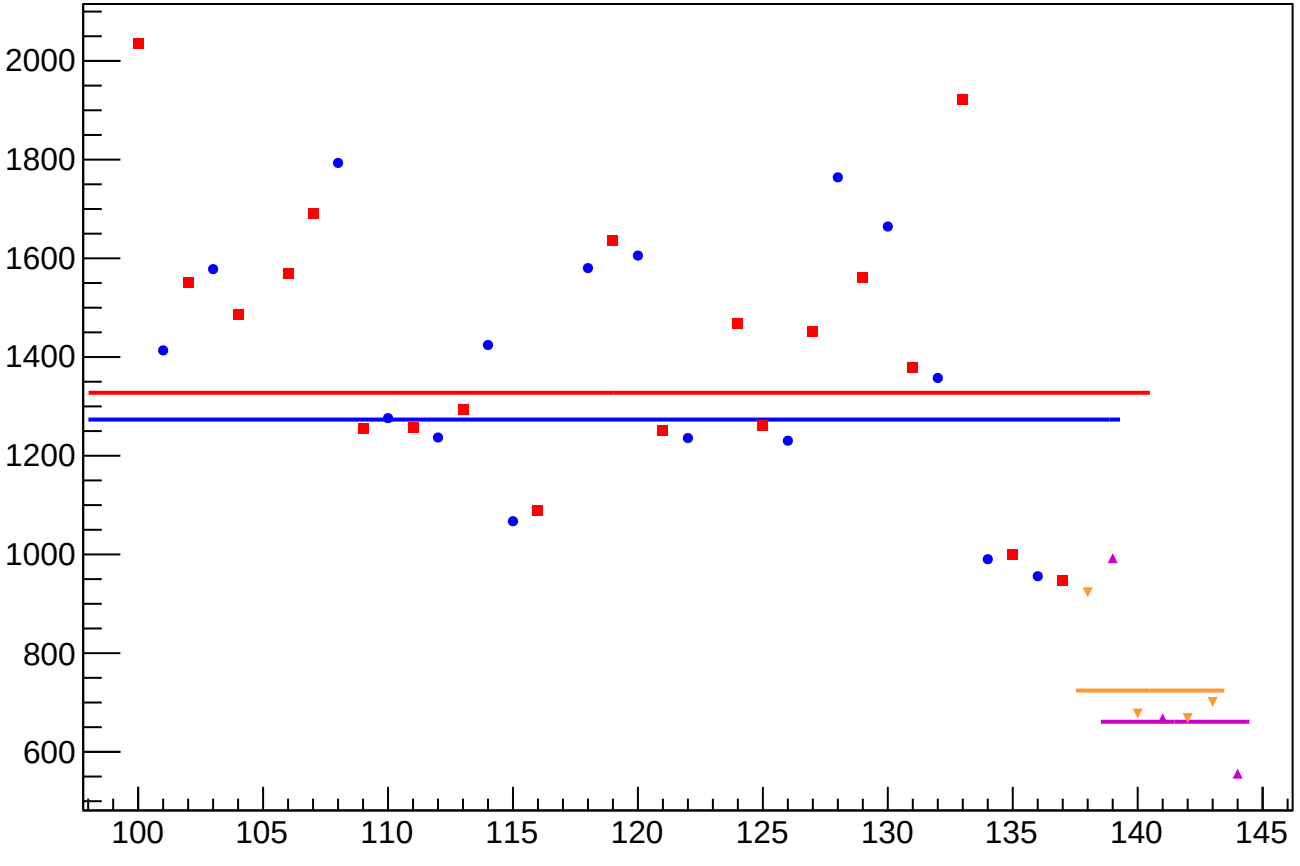
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -26.565+/-318.212 χ^2/NDF:25.5/18

Out: 92.613+/-326.441 χ^2/NDF:26.7/22

All: 31.503+/-227.864 χ^2/NDF: 52.3/41

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: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 661.003+/-0.297 χ^2/NDF:250610.5/2

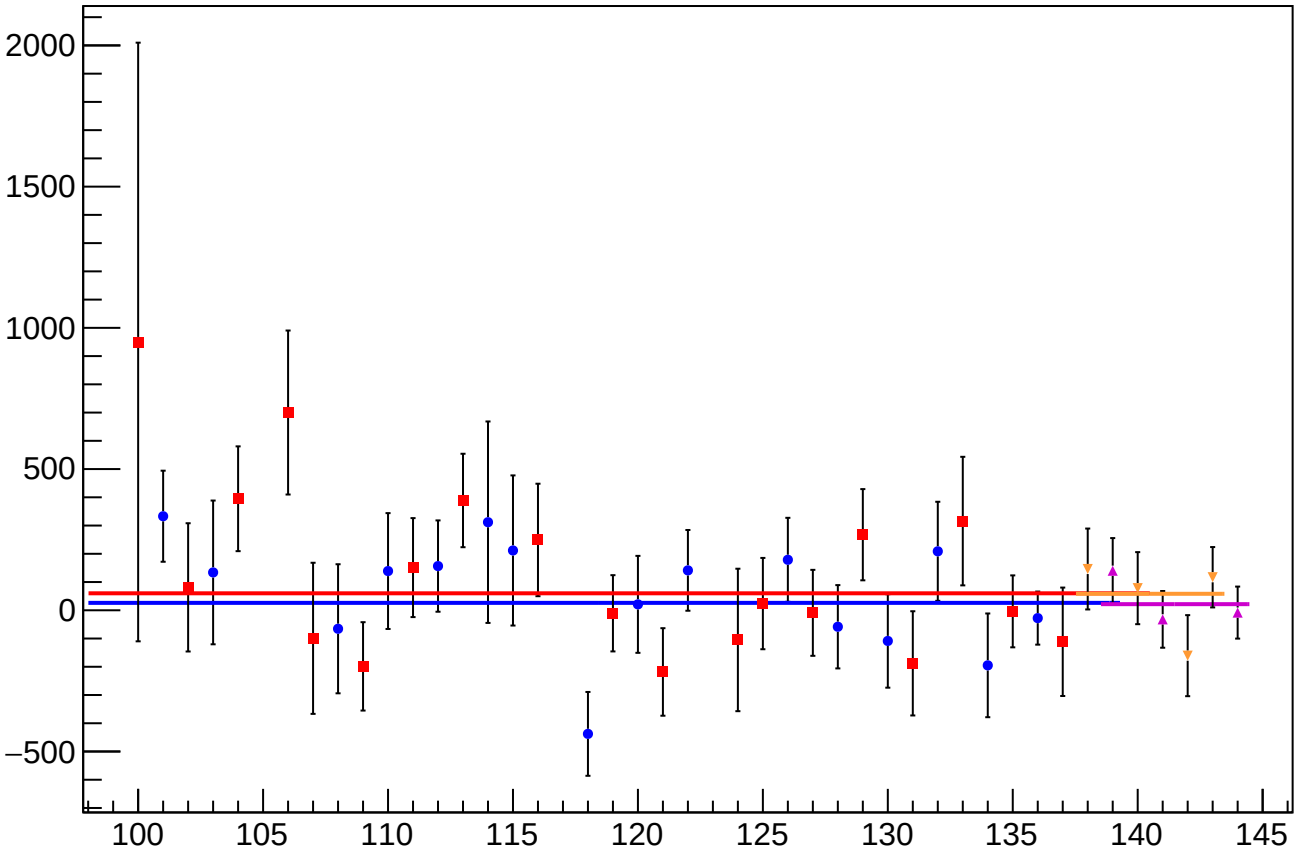
Left: 691.703+/-0.213 χ^2/NDF: 359111.5/6

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 922.991+/-0.225 χ^2/NDF:2661015.3/18

Out: 984.531+/-0.231 χ^2/NDF:2221483.1/22

All: 952.976+/-0.161 χ^2/NDF: 4918944.2/41



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 58.360+/-63.713 χ^2/NDF:3.0/3

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 21.680+/-58.530 χ^2/NDF:1.4/2

Left: 38.467+/-43.103 χ^2/NDF: 4.7/6

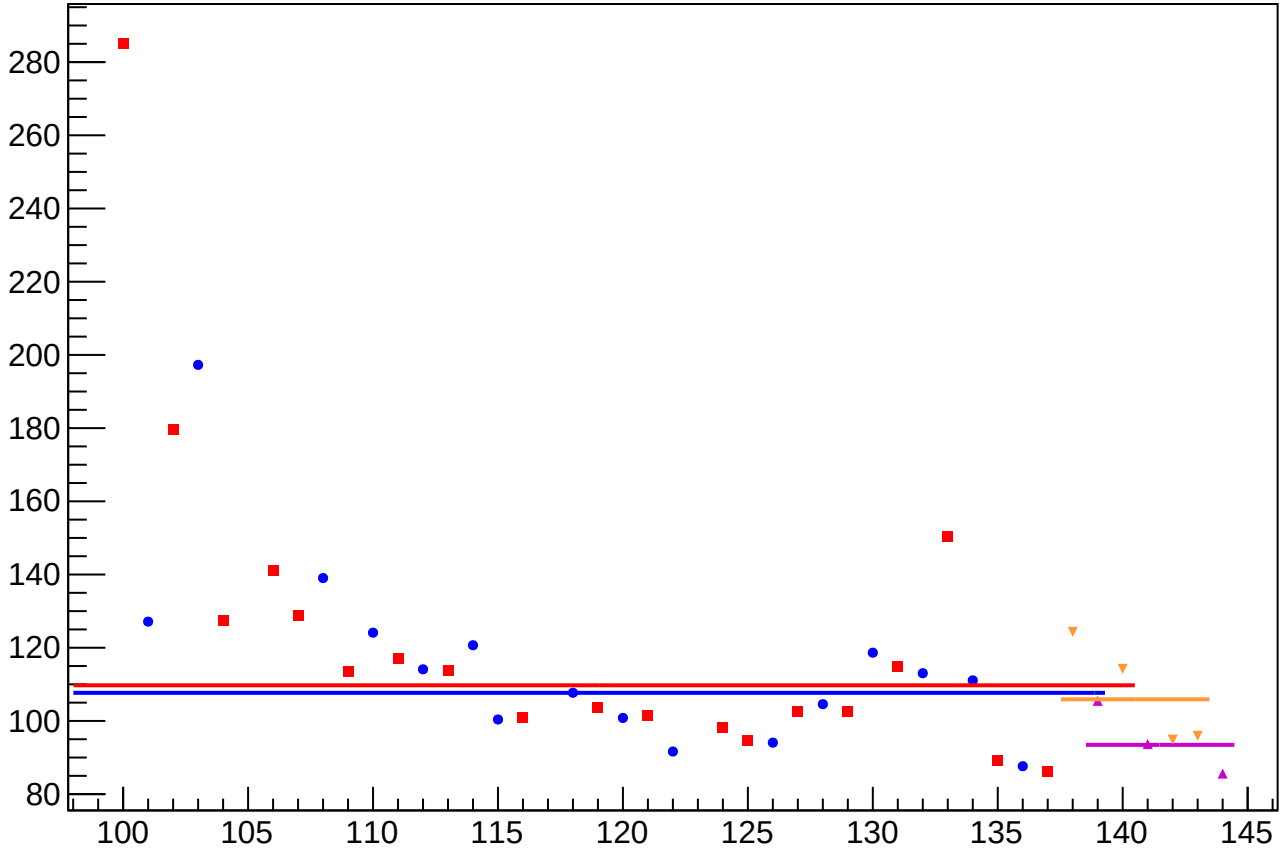
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 24.735+/-33.701 χ^2/NDF:22.8/18

Out: 59.595+/-34.790 χ^2/NDF:30.0/22

All: 41.611+/-24.206 χ^2/NDF: 53.4/41

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 105.910+/-0.045 χ^2/NDF:70810.7/3

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.463+/-0.041 χ^2/NDF:36200.8/2

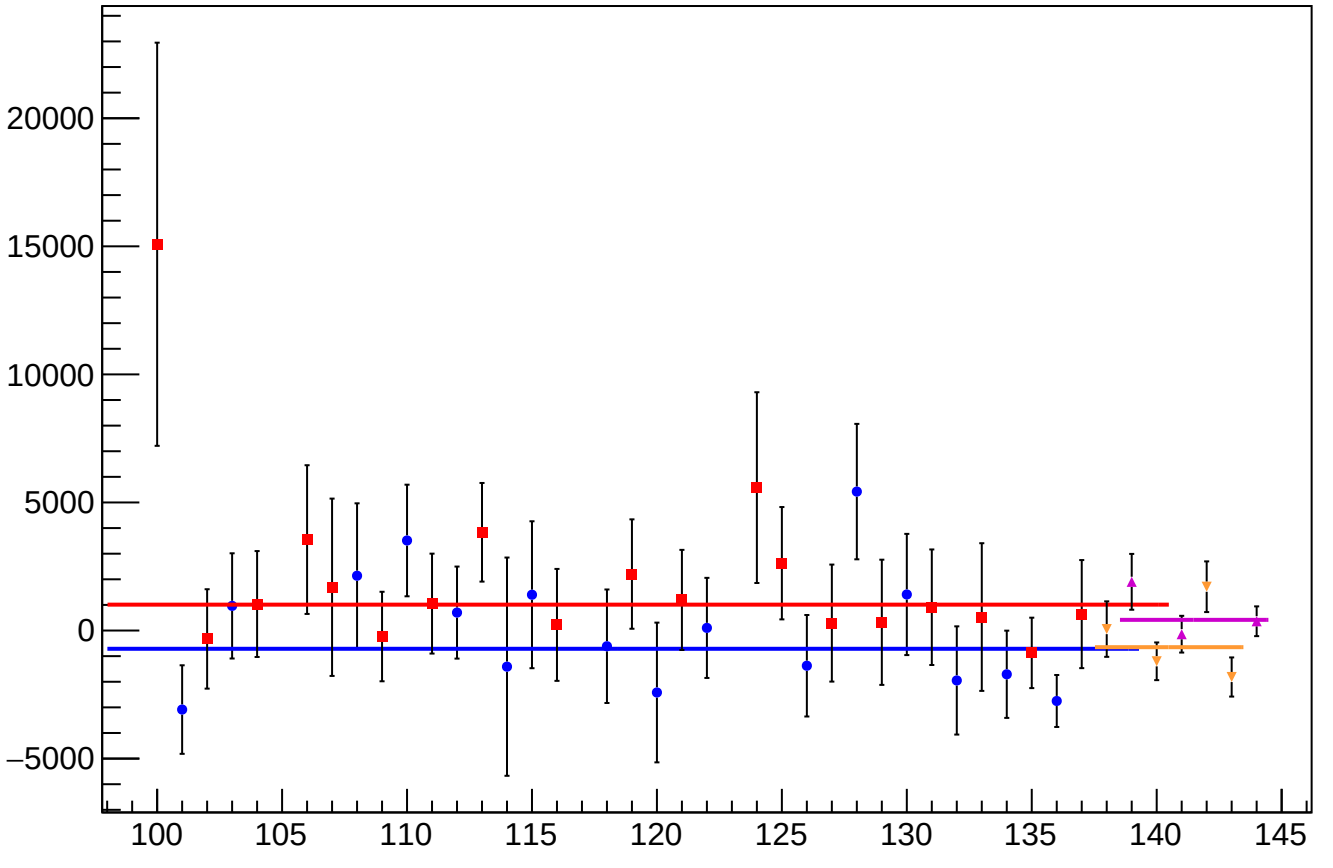
Left: 99.160+/-0.030 χ^2/NDF: 148406.9/6

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 102.966+/-0.024 χ^2/NDF:598200.3/18

Out: 108.598+/-0.025 χ^2/NDF:567668.0/22

All: 105.693+/-0.017 χ^2/NDF: 1192899.8/41



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -650.013+/-428.981 χ^2/NDF:9.0/3

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 416.967+/-417.122 χ^2/NDF:2.5/2

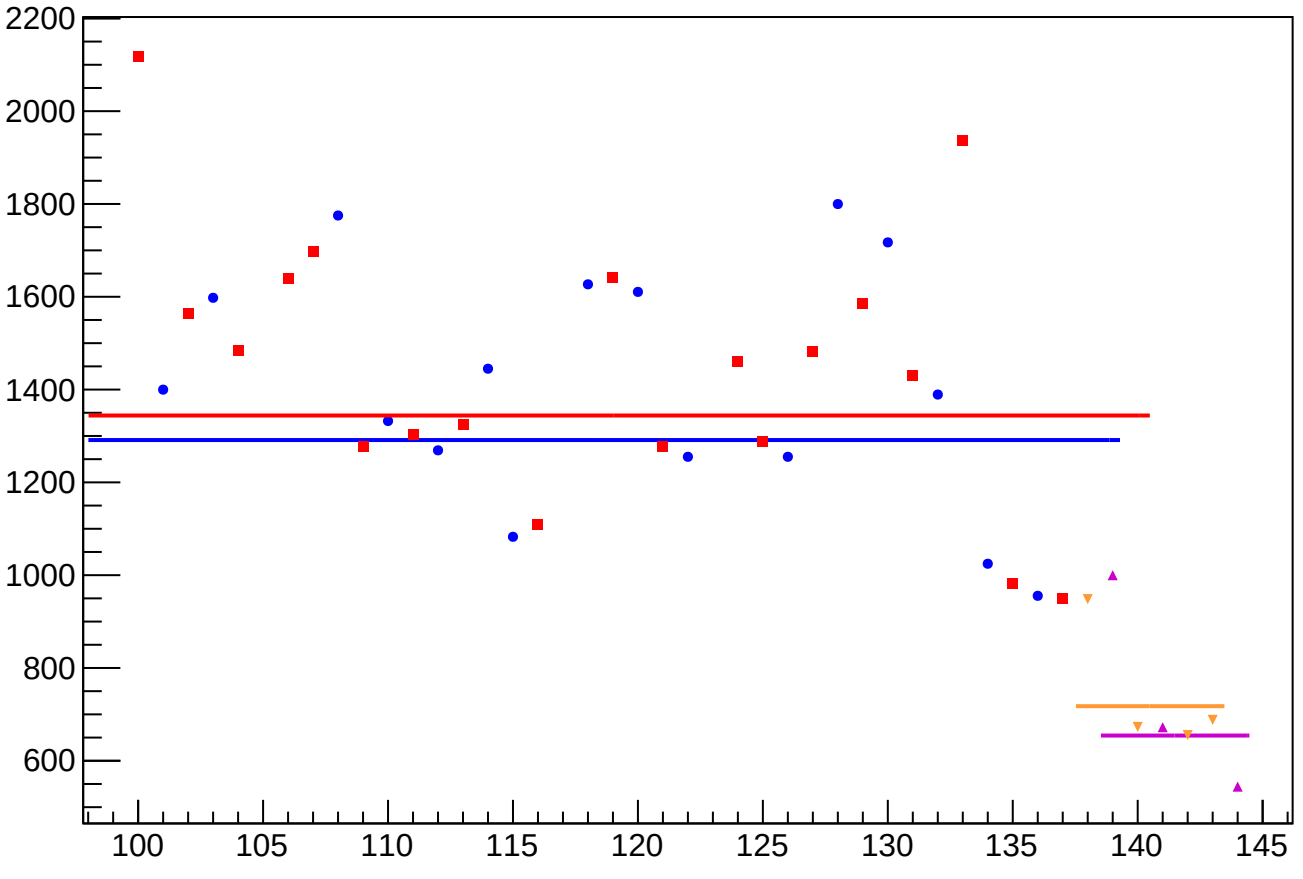
Left: -101.571+/-299.054 χ^2/NDF: 14.7/6

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -54.131+/-318.503 χ^2/NDF:25.6/18

Out: 51.837+/-325.953 χ^2/NDF:27.1/22

All: -2.372+/-227.804 χ^2/NDF: 52.8/41



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 717.657+/-0.303 χ^2/NDF:109005.2/3

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 654.389+/-0.295 χ^2/NDF:274149.0/2

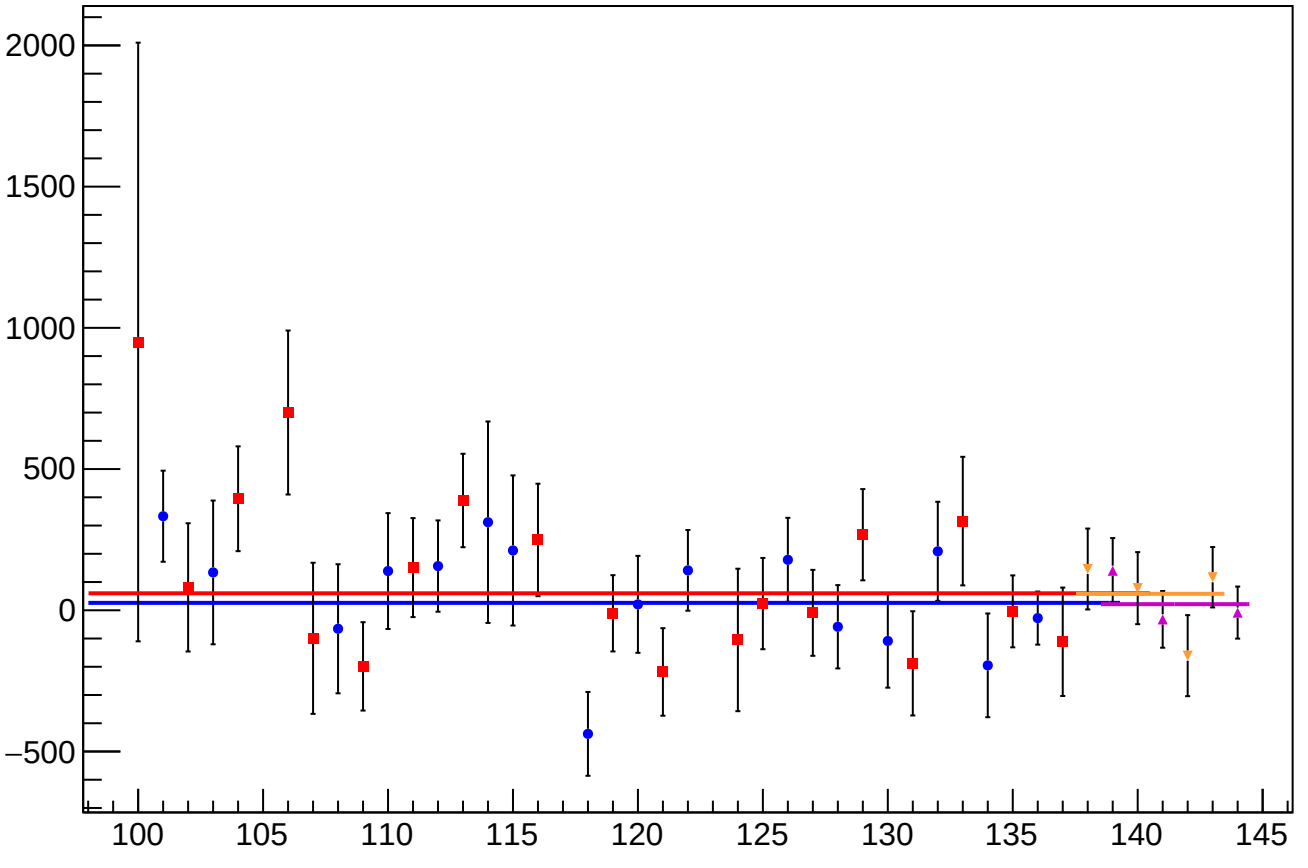
Left: 685.136+/-0.211 χ^2/NDF: 405515.4/6

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 919.920+/-0.225 χ^2/NDF:2828819.4/18

Out: 982.434+/-0.230 χ^2/NDF:2402695.0/22

All: 950.455+/-0.161 χ^2/NDF: 5269147.8/41



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 58.361+/-63.713 χ^2/NDF:3.0/3

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 21.680+/-58.530 χ^2/NDF:1.4/2

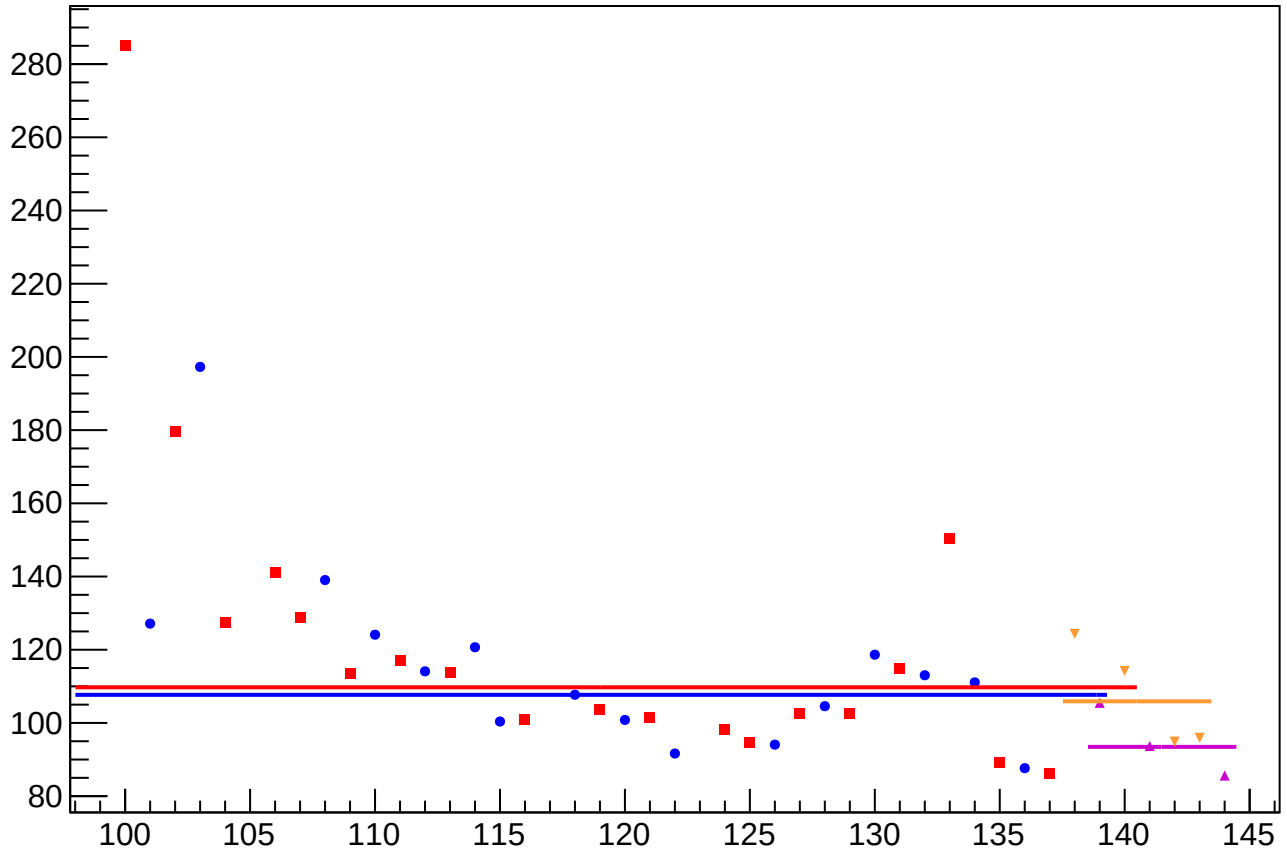
Left: 38.468+/-43.103 χ^2/NDF: 4.7/6

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 24.736+/-33.701 χ^2/NDF:22.8/18

Out: 59.594+/-34.790 χ^2/NDF:30.0/22

All: 41.611+/-24.206 χ^2/NDF: 53.4/41



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 105.910+/-0.045 χ^2/NDF:70807.7/3

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.464+/-0.041 χ^2/NDF:36197.5/2

Left: 99.160+/-0.030 χ^2/NDF: 148398.9/6

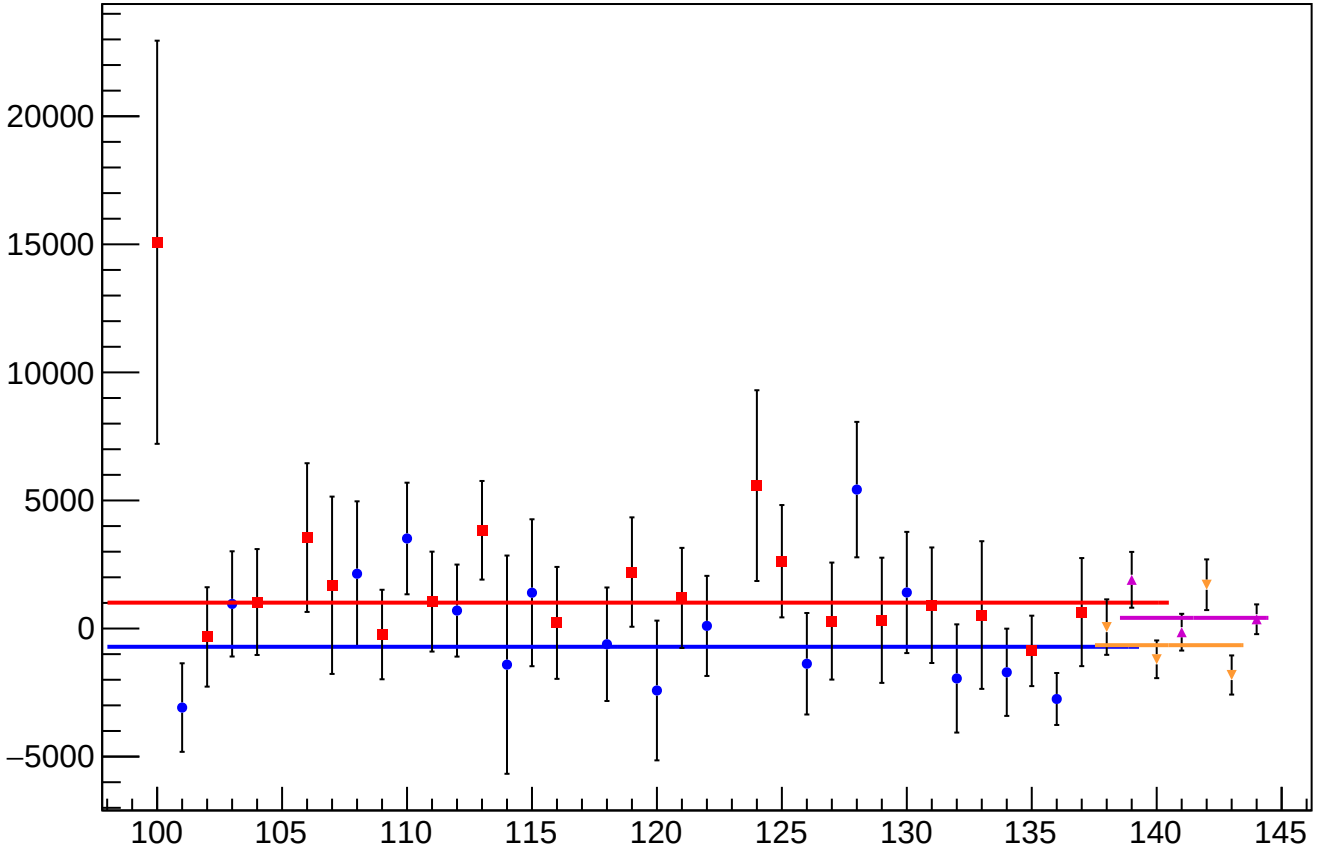
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 102.966+/-0.024 χ^2/NDF:598172.1/18

Out: 108.597+/-0.025 χ^2/NDF:567660.4/22

All: 105.692+/-0.017 χ^2/NDF: 1192863.5/41

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: -650.015+/-428.980 χ^2/NDF:9.0/3

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 416.968+/-417.121 χ^2/NDF:2.5/2

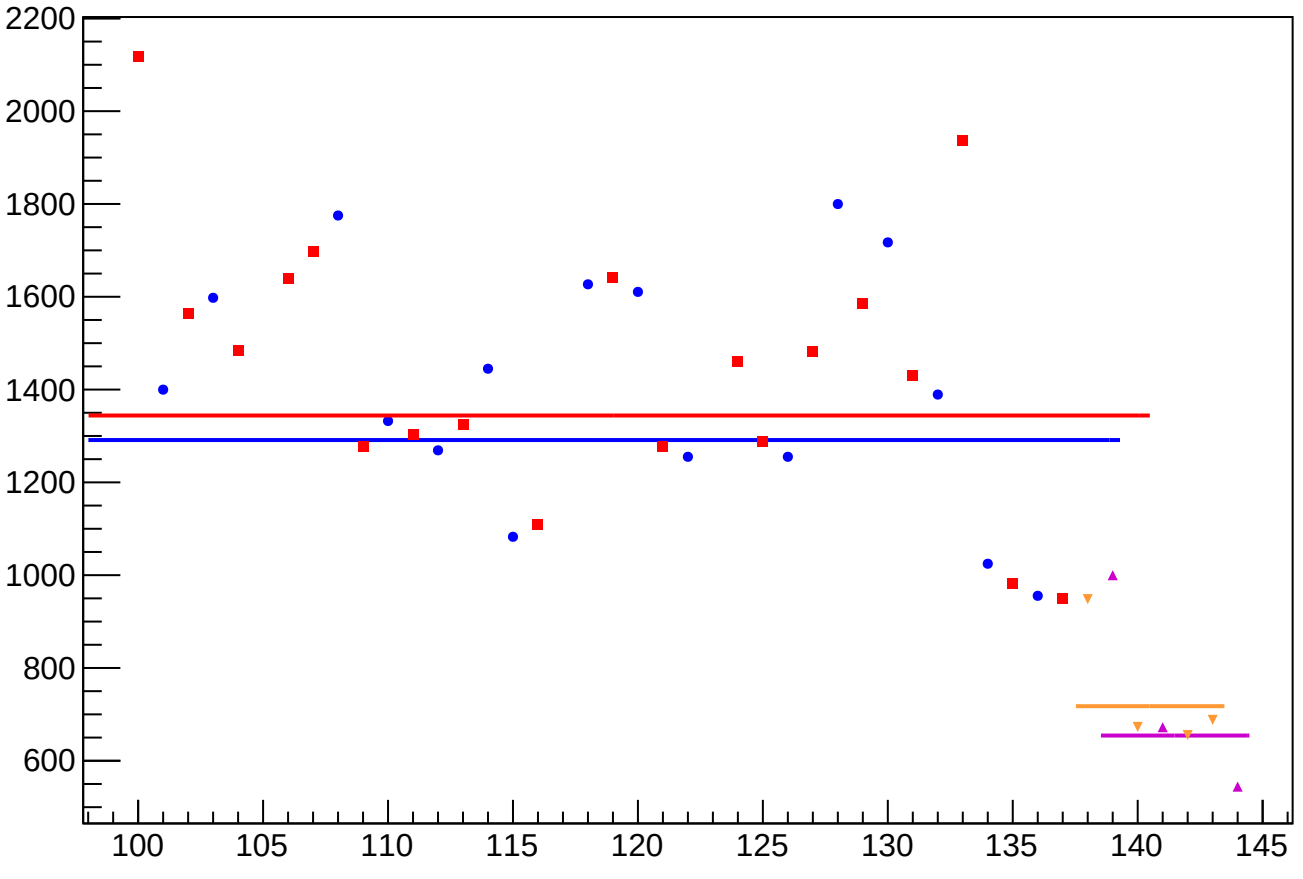
Left: -101.572+/-299.054 χ^2/NDF: 14.7/6

Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -54.128+/-318.503 χ^2/NDF:25.6/18

Out: 51.835+/-325.952 χ^2/NDF:27.1/22

All: -2.371+/-227.804 χ^2/NDF: 52.8/41



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 717.656+/-0.303 χ^2/NDF:109002.9/3

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 654.388+/-0.295 χ^2/NDF:274147.7/2

Left: 685.135+/-0.211 χ^2/NDF: 405512.2/6

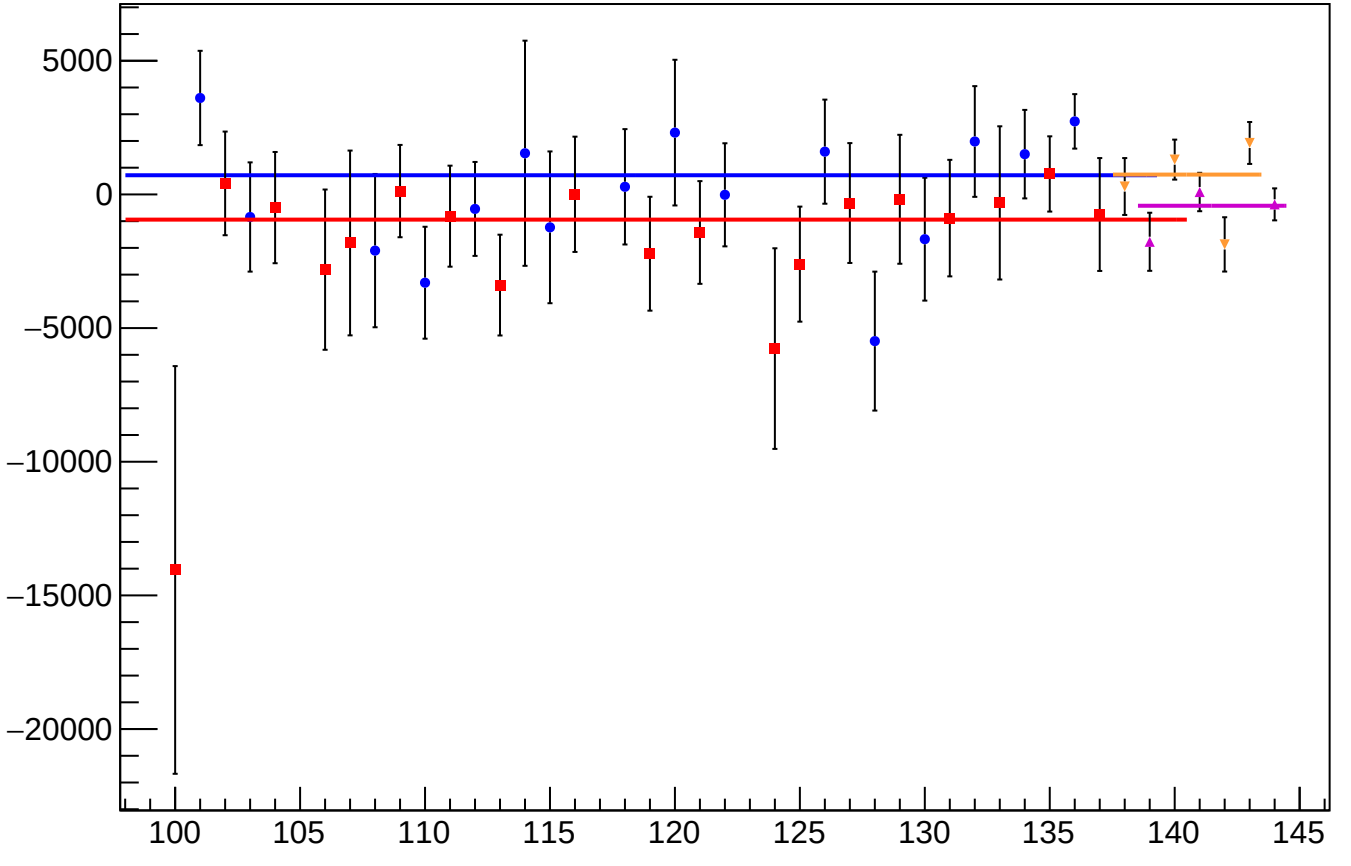
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 919.918+/-0.225 χ^2/NDF:2828815.7/18

Out: 982.432+/-0.230 χ^2/NDF:2402688.0/22

All: 950.453+/-0.161 χ^2/NDF: 5269137.5/41

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 742.440+/-435.730 χ^2/NDF:9.6/3

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -423.694+/-423.497 χ^2/NDF:2.1/2

Left: 142.774+/-303.690 χ^2/NDF: 15.4/6

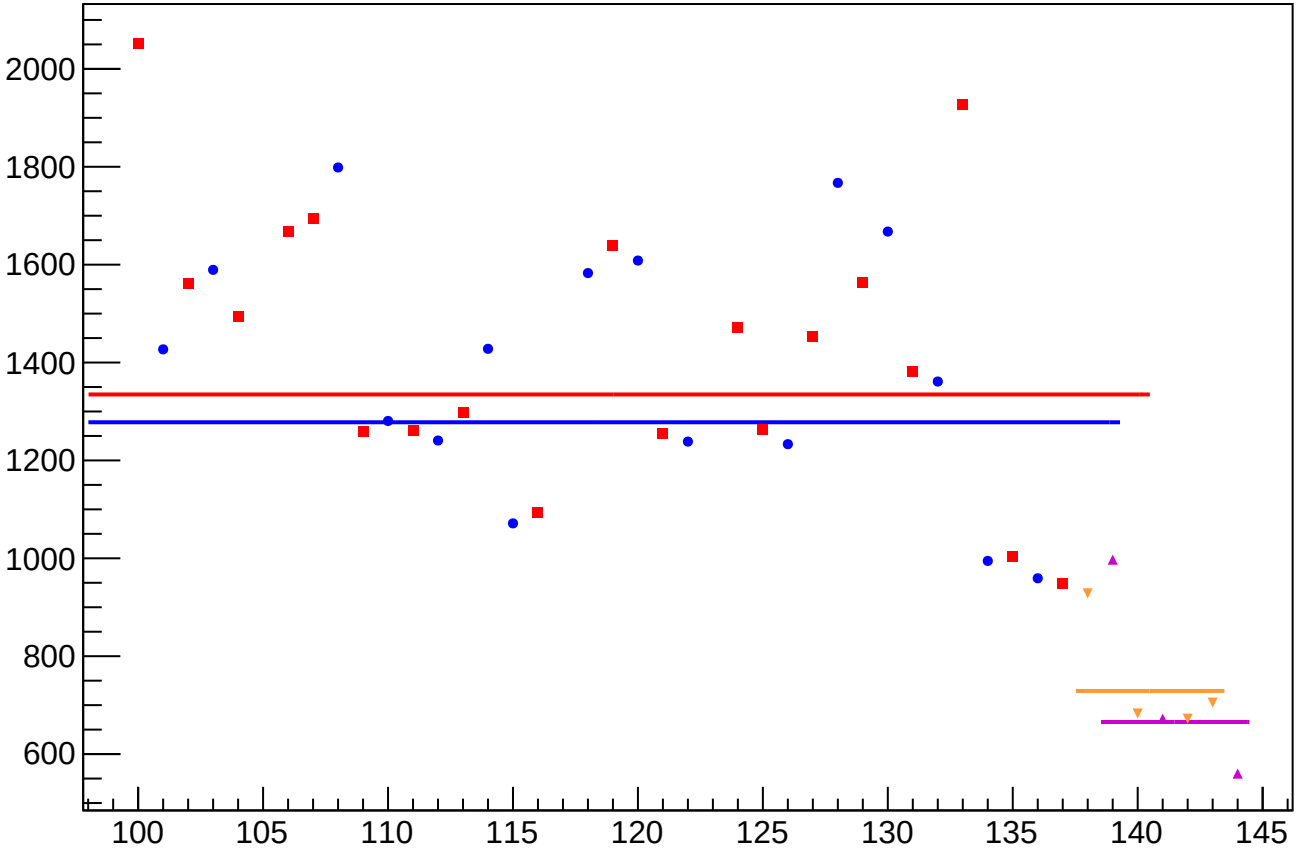
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 66.324+/-319.916 χ^2/NDF:26.1/18

Out: 12.010+/-327.941 χ^2/NDF:26.7/22

All: 39.840+/-229.000 χ^2/NDF: 52.9/41

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 728.980+/-0.308 χ^2/NDF:85881.1/3

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 665.569+/-0.299 χ^2/NDF:248567.0/2

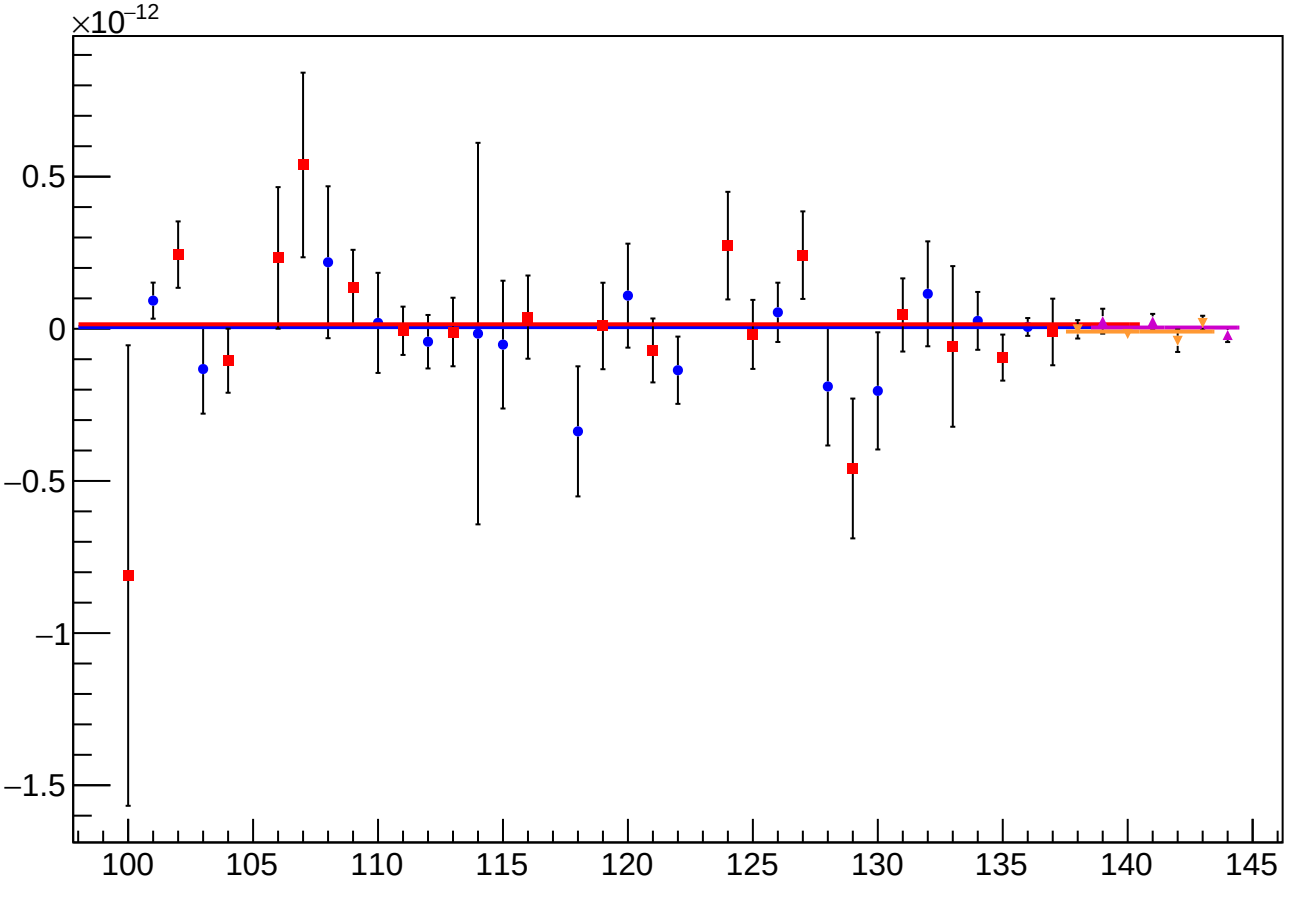
Left: 696.372+/-0.215 χ^2/NDF: 356229.6/6

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 928.505+/-0.226 χ^2/NDF:2641887.5/18

Out: 991.625+/-0.232 χ^2/NDF:2233843.6/22

All: 959.283+/-0.162 χ^2/NDF: 4913695.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/2

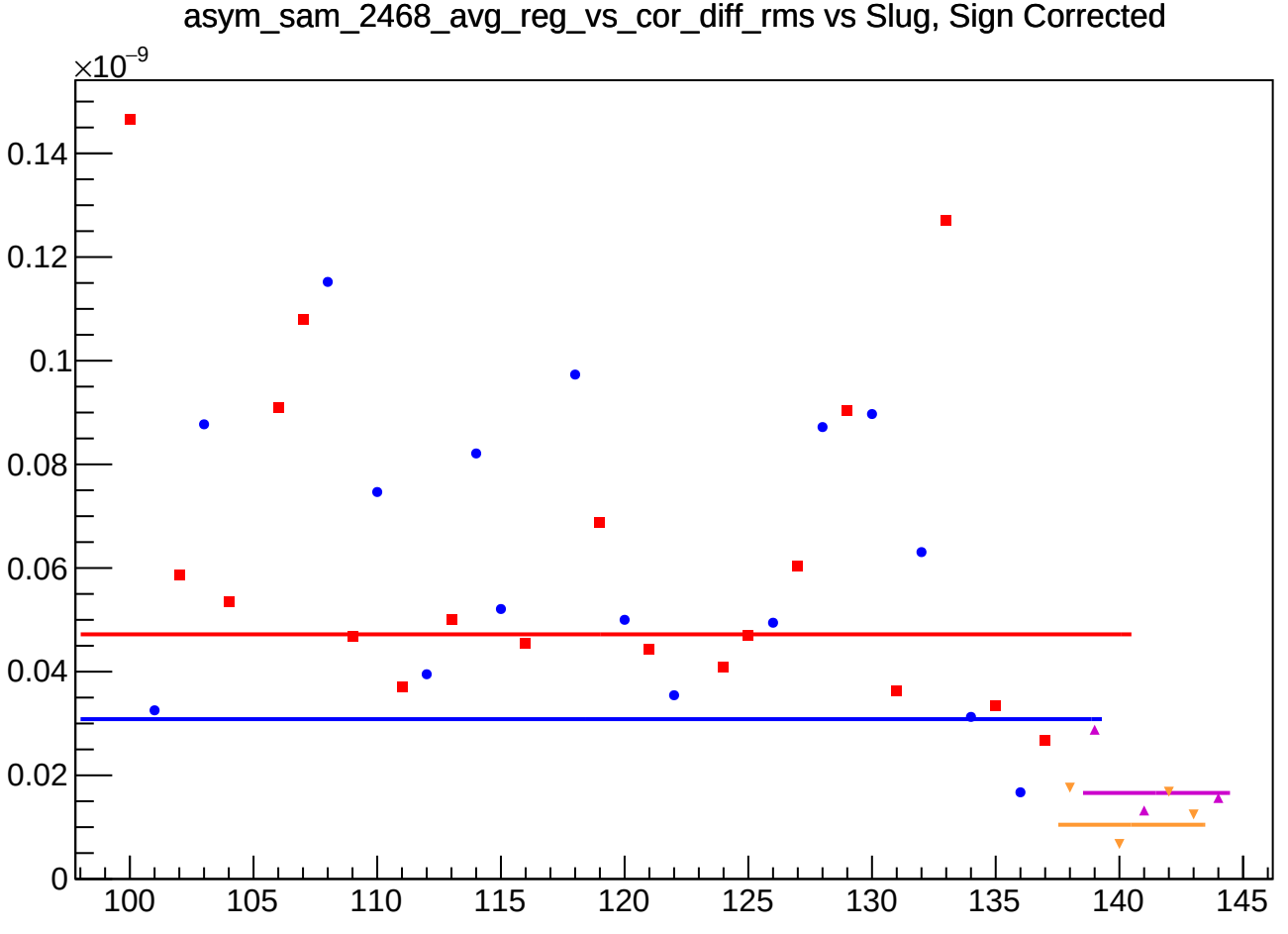
Left: -0.000+/-0.000 χ^2/NDF: 4.9/6

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:13.6/18

Out: -0.000+/-0.000 χ^2/NDF:26.8/22

All: -0.000+/-0.000 χ^2/NDF: 40.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:305317.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:218594.3/2

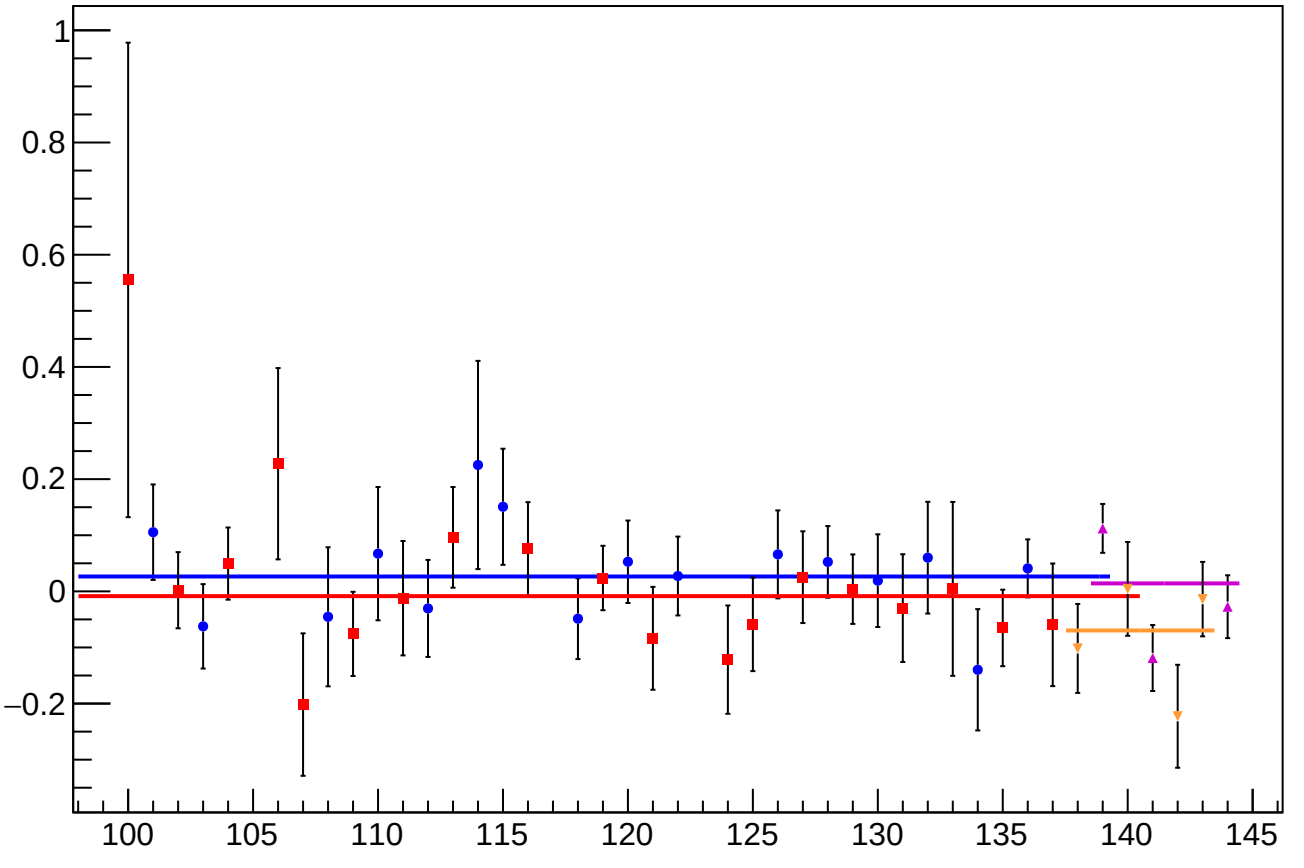
Left: 0.000+/-0.000 χ^2/NDF: 726388.3/6

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:2702200.3/18

Out: 0.000+/-0.000 χ^2/NDF:3881667.4/22

All: 0.000+/-0.000 χ^2/NDF: 6863362.6/41



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.030 χ^2/NDF:10.7/2

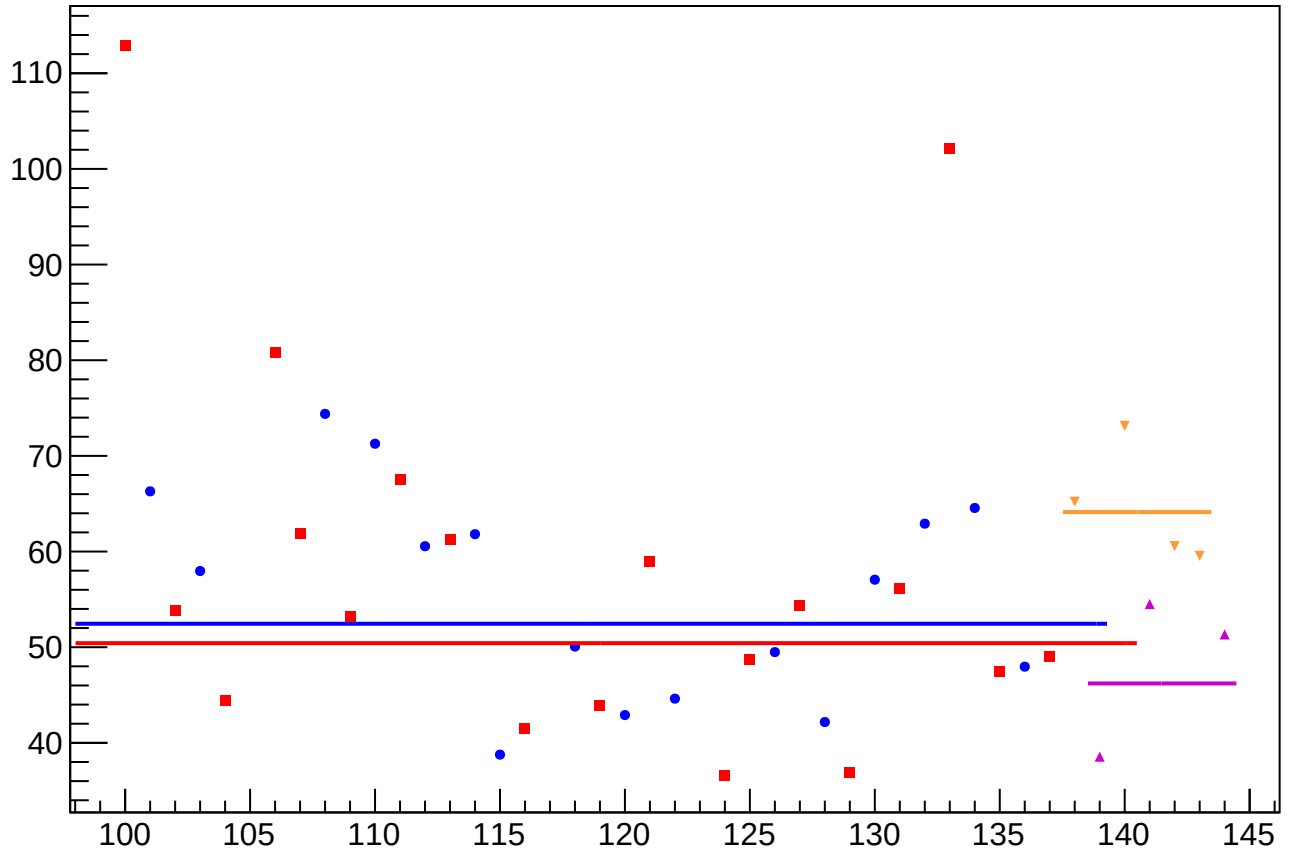
Left: -0.016+/-0.024 χ^2/NDF: 18.1/6

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.023+/-0.017 χ^2/NDF:20.8/18

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.002+/-0.012 χ^2/NDF: 44.3/41



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.1/3

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 46.211+/-0.021 χ^2/NDF:118426.3/2

Left: 52.720+/-0.017 χ^2/NDF: 419406.8/6

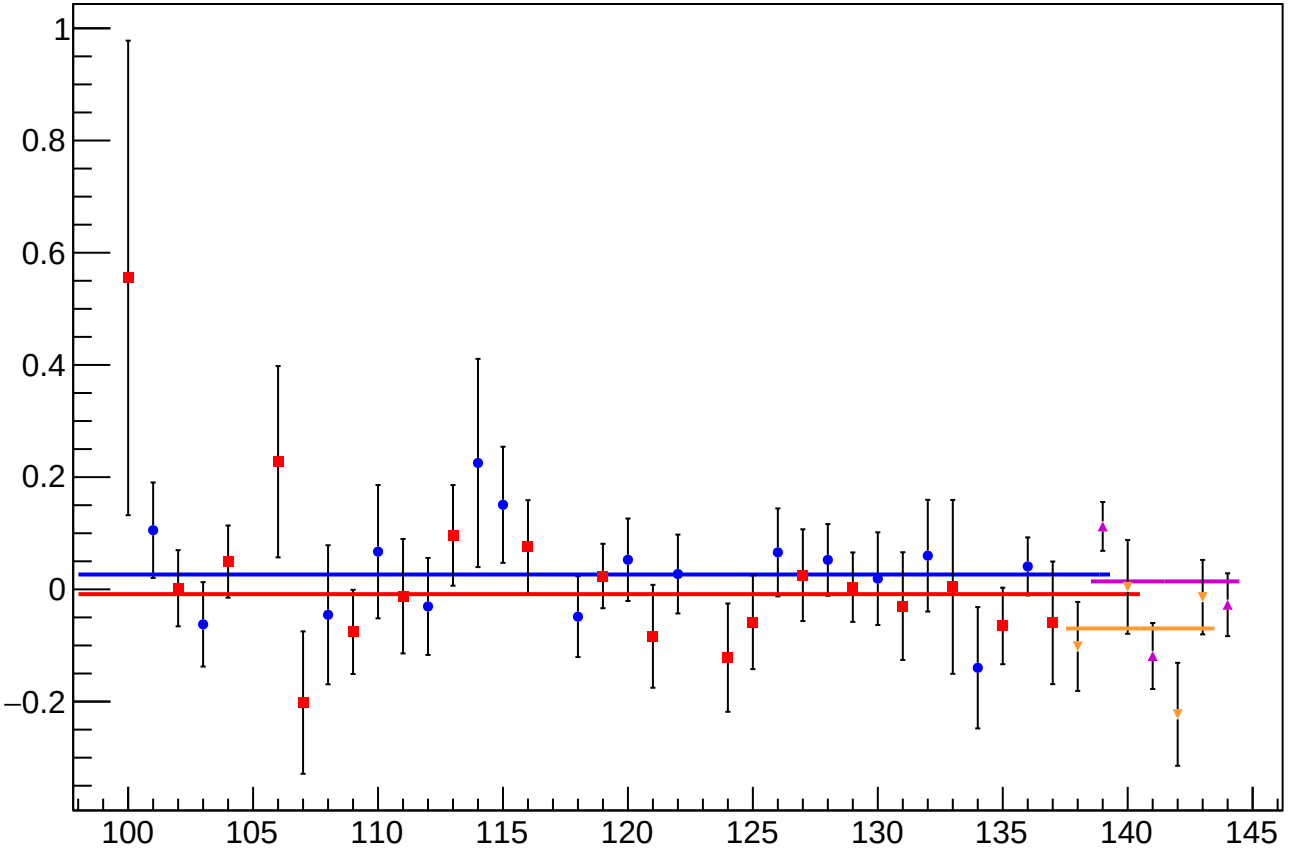
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.448+/-0.012 χ^2/NDF:596489.0/18

Out: 53.127+/-0.012 χ^2/NDF:908240.4/22

All: 51.738+/-0.009 χ^2/NDF: 1529168.7/41

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: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.030 χ^2/NDF:10.7/2

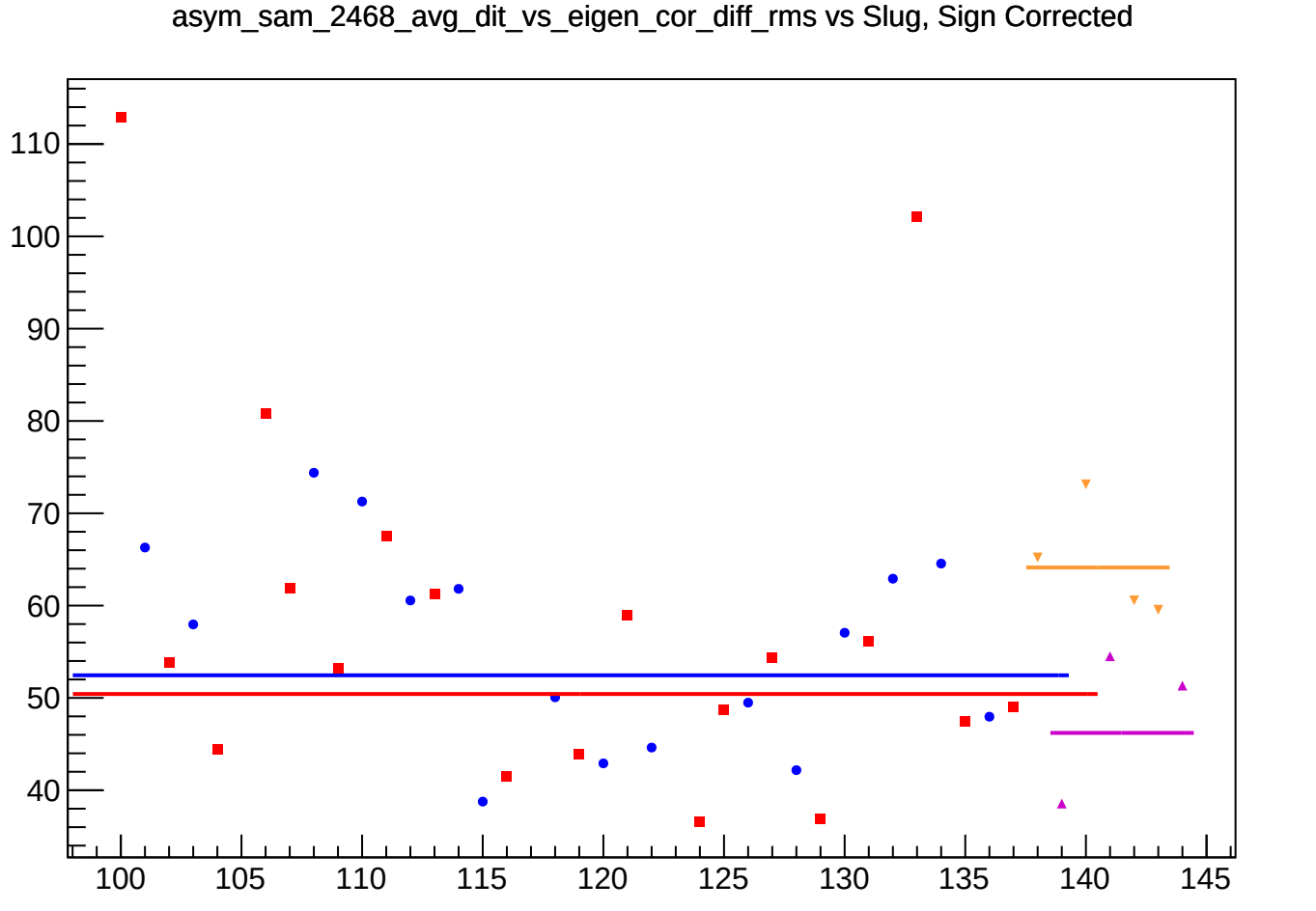
Left: -0.016+/-0.024 χ^2/NDF: 18.1/6

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.023+/-0.017 χ^2/NDF:20.8/18

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.002+/-0.012 χ^2/NDF: 44.3/41



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.1/3

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 46.211+/-0.021 χ^2/NDF:118426.3/2

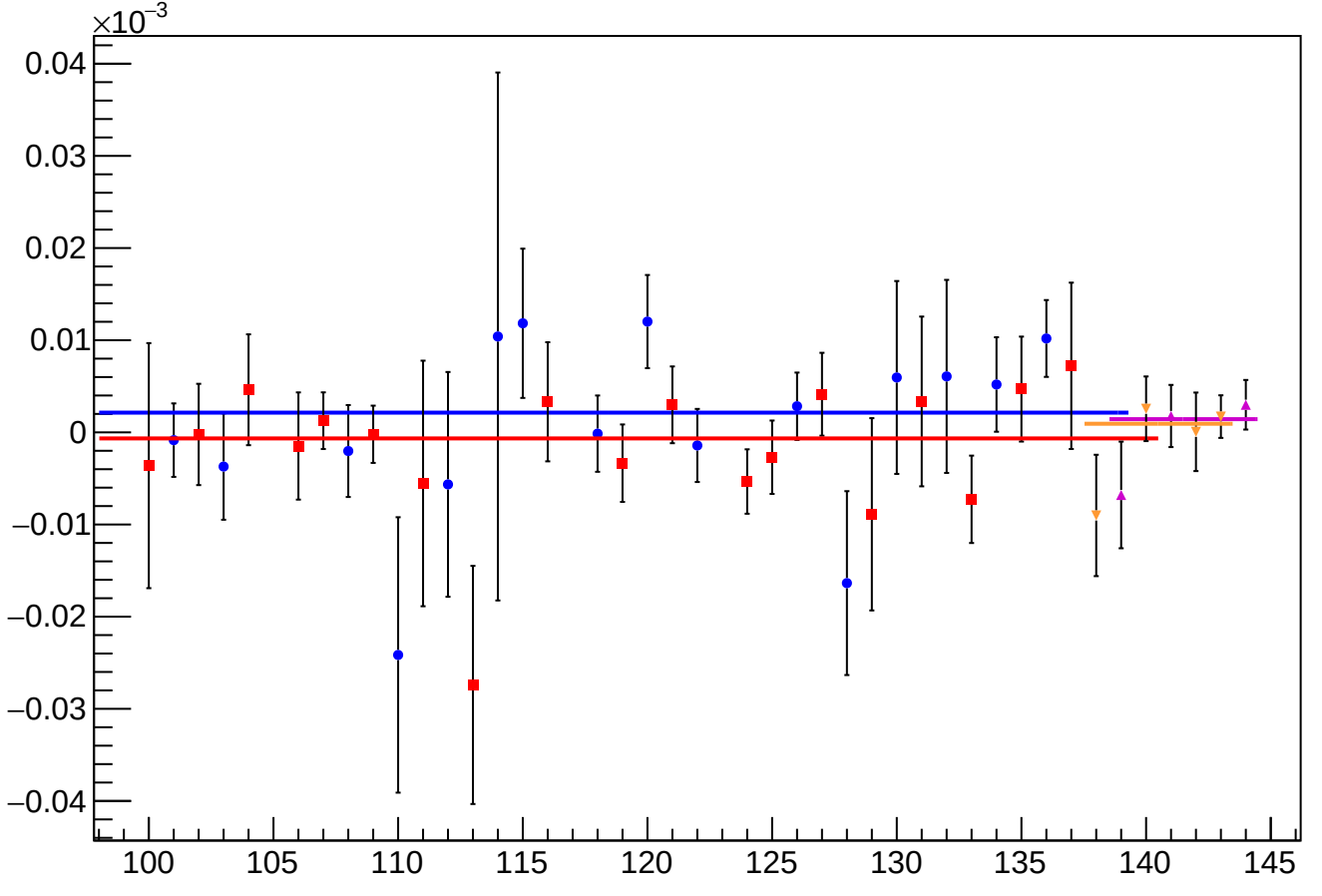
Left: 52.720+/-0.017 χ^2/NDF: 419406.8/6

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.448+/-0.012 χ^2/NDF:596489.0/18

Out: 53.127+/-0.012 χ^2/NDF:908240.4/22

All: 51.738+/-0.009 χ^2/NDF: 1529168.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/2

Left: 0.000+/-0.000 χ^2/NDF: 5.1/6

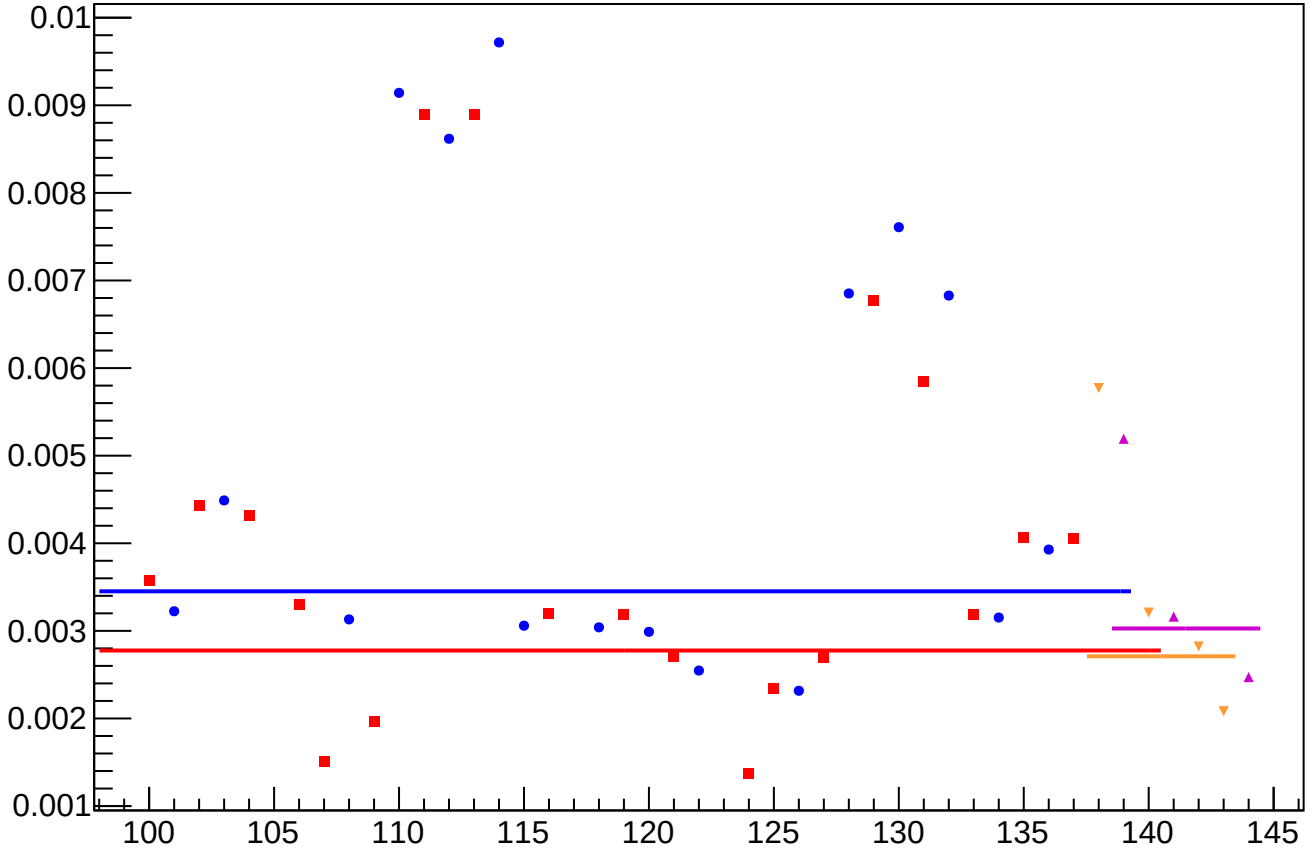
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.5/18

Out: -0.000+/-0.000 χ^2/NDF:18.1/22

All: 0.000+/-0.000 χ^2/NDF: 42.5/41

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:621629.7/3

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:368308.1/2

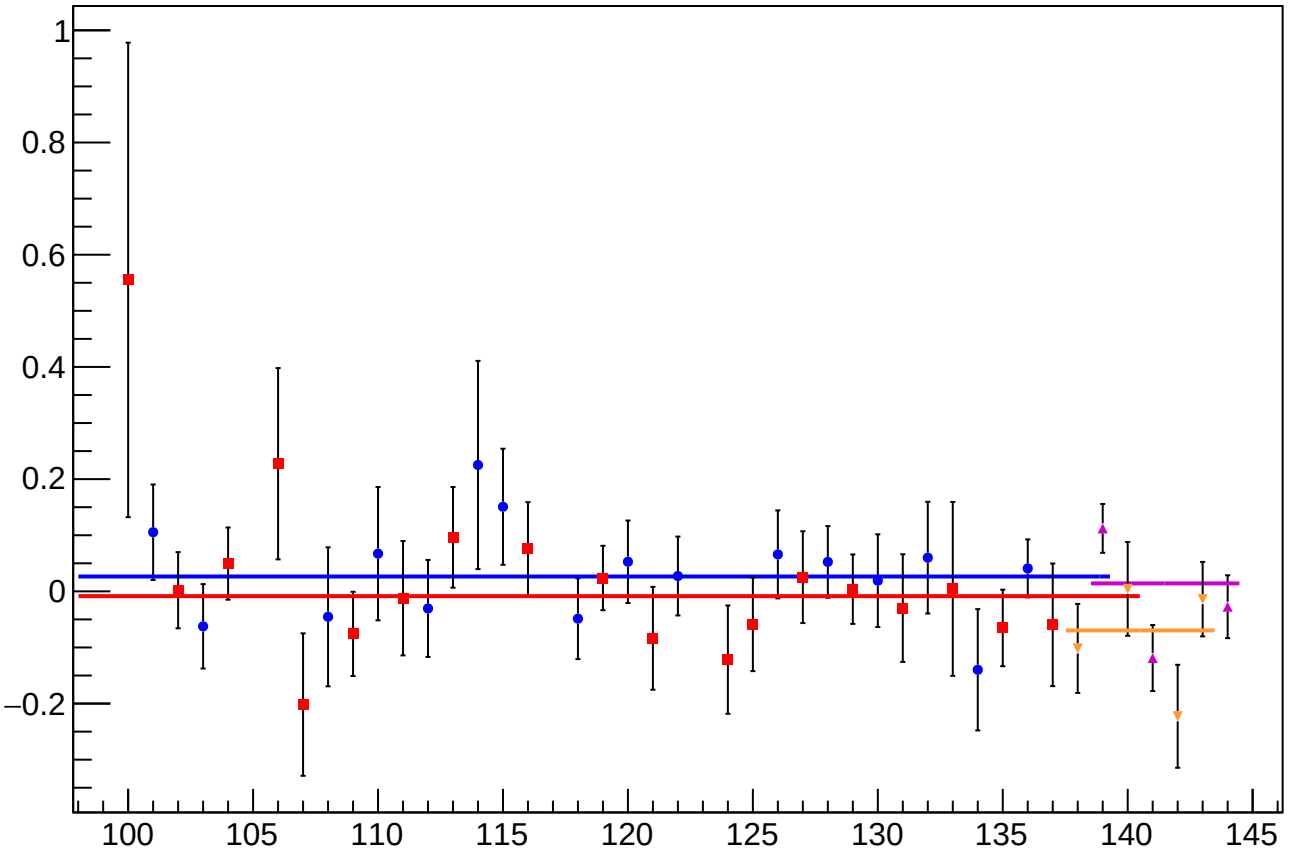
Left: 0.003+/-0.000 χ^2/NDF: 1019657.8/6

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:2381239.4/18

Out: 0.003+/-0.000 χ^2/NDF:3358663.0/22

All: 0.003+/-0.000 χ^2/NDF: 6022720.9/41



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.030 χ^2/NDF:10.7/2

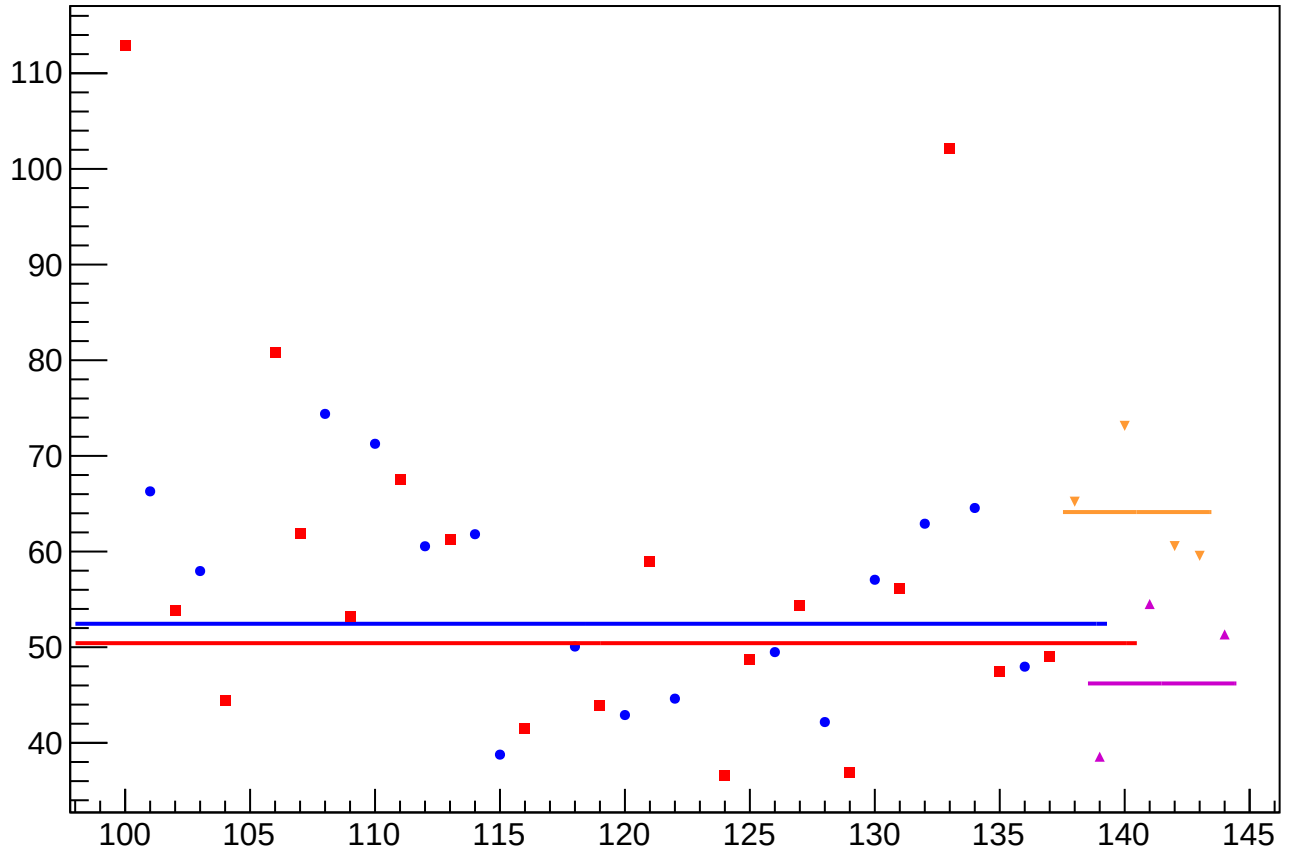
Left: -0.016+/-0.024 χ^2/NDF: 18.1/6

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.023+/-0.017 χ^2/NDF:20.8/18

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.002+/-0.012 χ^2/NDF: 44.3/41



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.0/3

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 46.211+/-0.021 χ^2/NDF:118451.1/2

Left: 52.720+/-0.017 χ^2/NDF: 419434.5/6

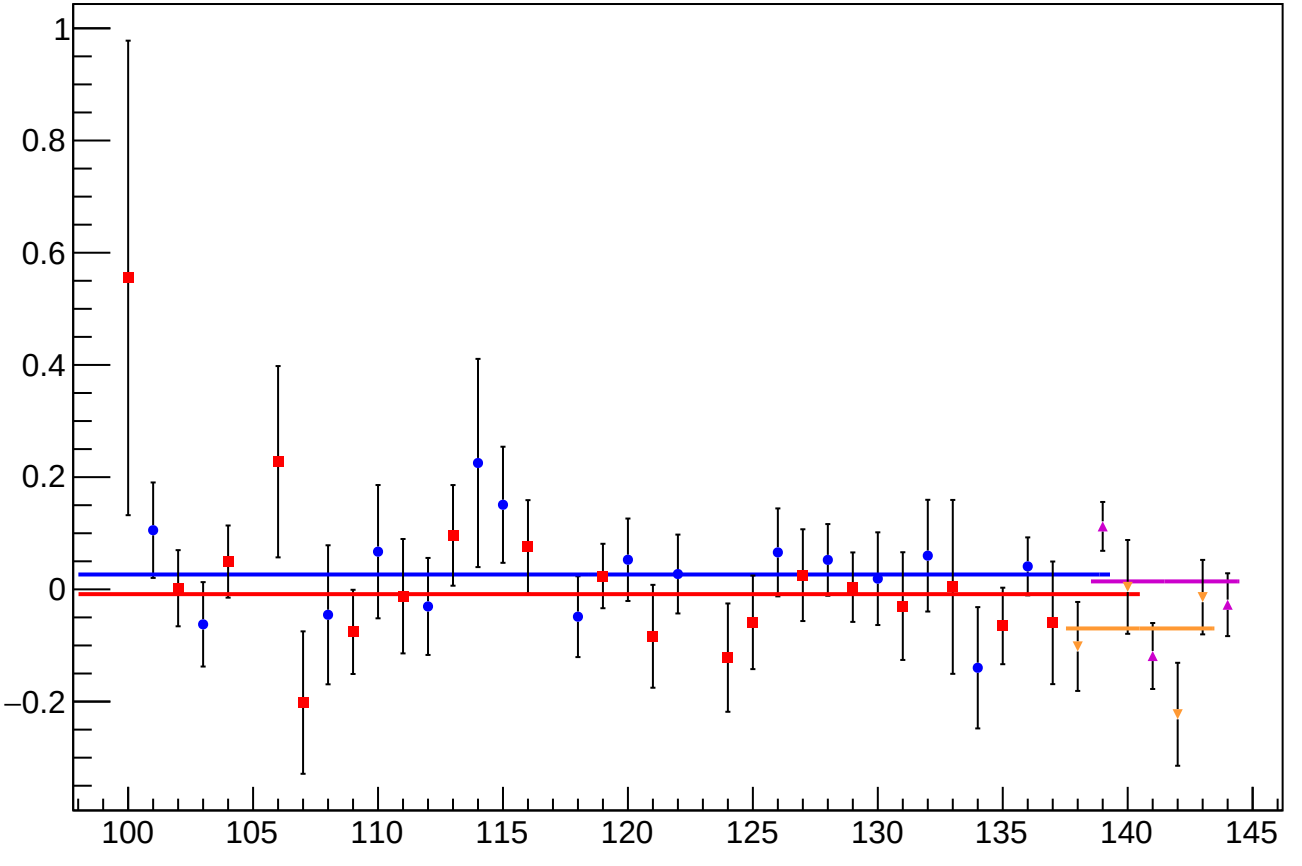
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.448+/-0.012 χ^2/NDF:596450.8/18

Out: 53.126+/-0.012 χ^2/NDF:908274.9/22

All: 51.737+/-0.009 χ^2/NDF: 1529162.1/41

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: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.014+/-0.030 χ^2/NDF:10.7/2

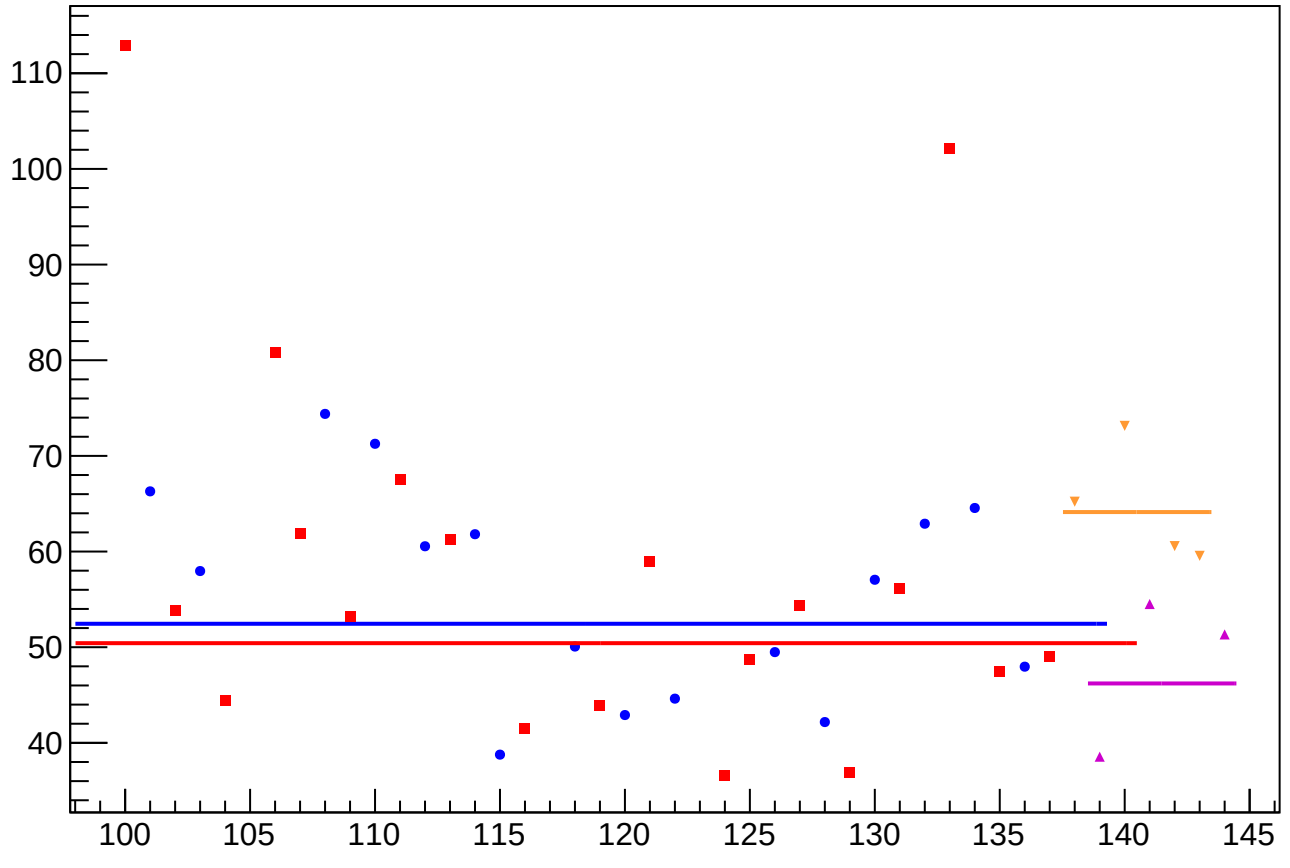
Left: -0.016+/-0.024 χ^2/NDF: 18.1/6

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.023+/-0.017 χ^2/NDF:20.8/18

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.002+/-0.012 χ^2/NDF: 44.3/41



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.0/3

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 46.211+/-0.021 χ^2/NDF:118451.1/2

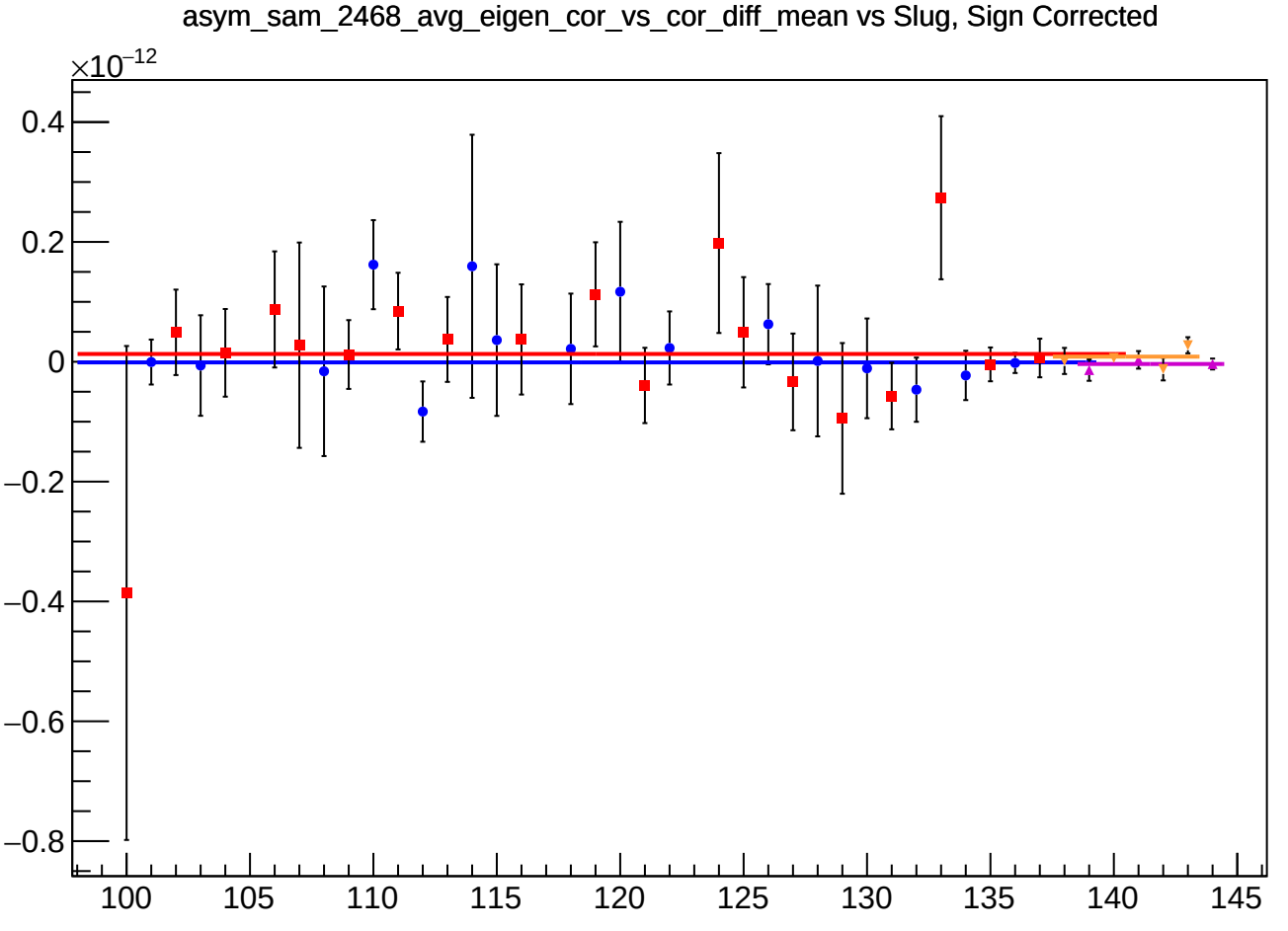
Left: 52.720+/-0.017 χ^2/NDF: 419434.5/6

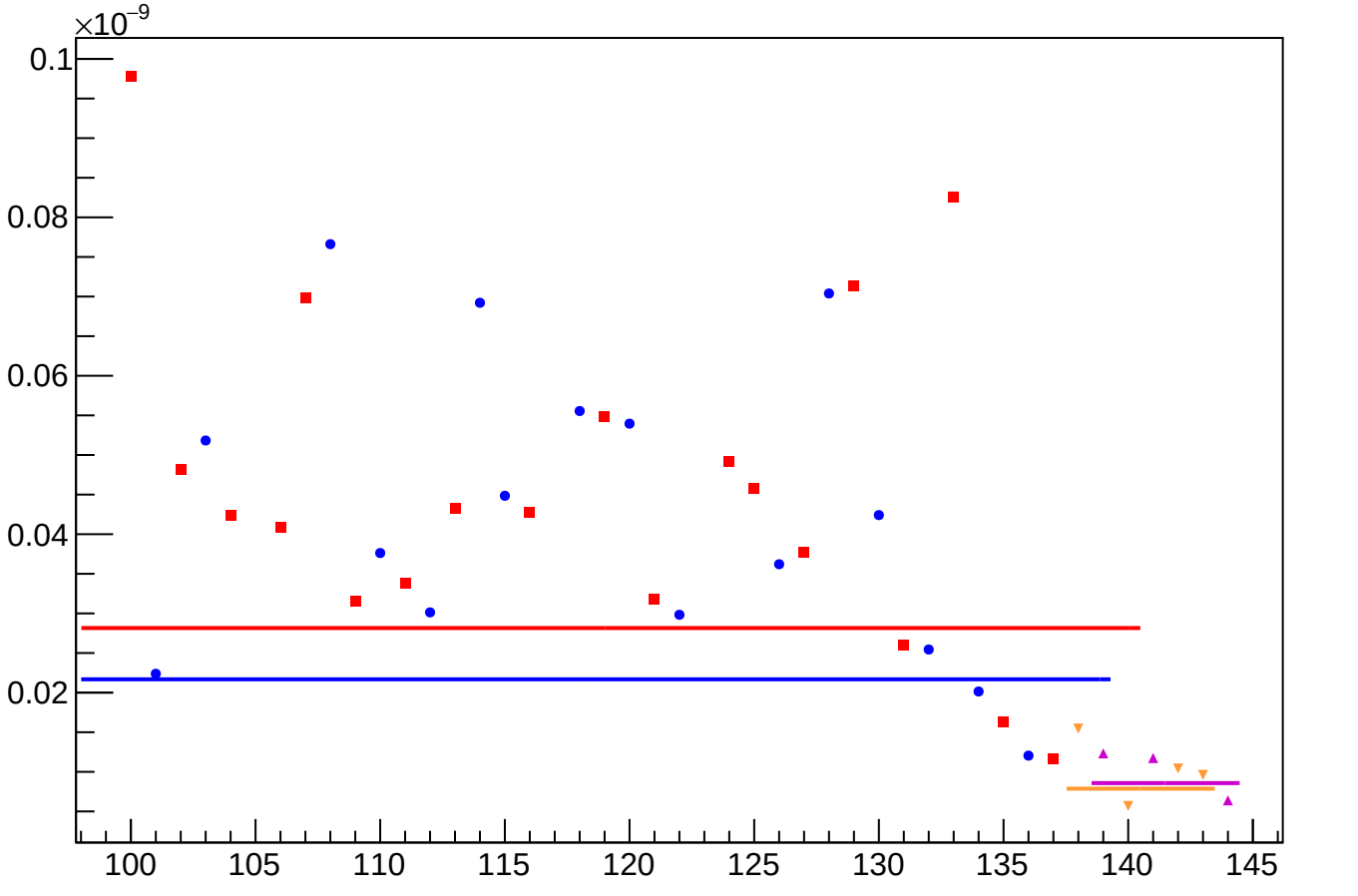
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.448+/-0.012 χ^2/NDF:596450.8/18

Out: 53.126+/-0.012 χ^2/NDF:908274.9/22

All: 51.737+/-0.009 χ^2/NDF: 1529162.1/41


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
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:0.5/2
Left: 0.000+/-0.000 χ²/NDF: 5.6/6
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:11.9/18
Out: 0.000+/-0.000 χ²/NDF:17.1/22
All: 0.000+/-0.000 χ²/NDF: 31.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:454067.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:296231.9/2

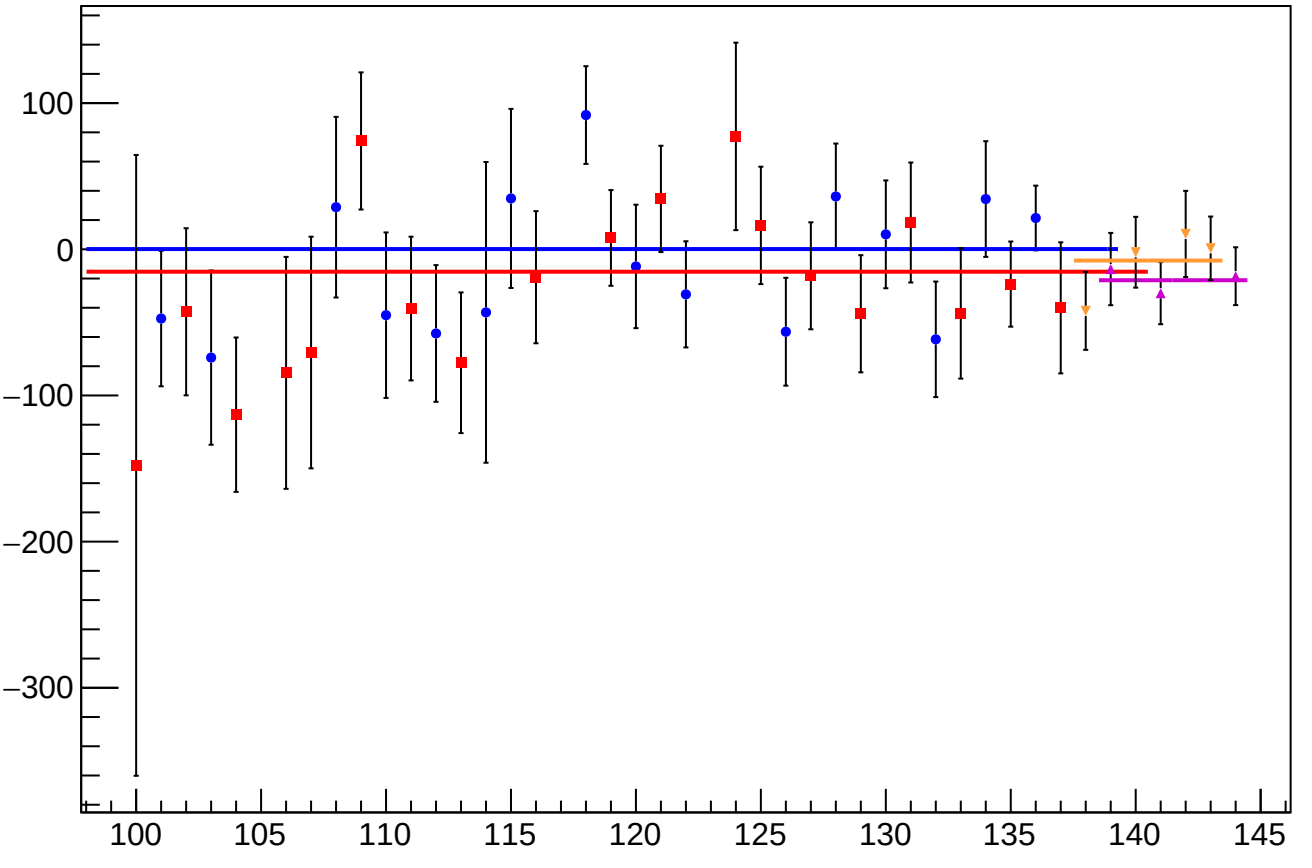
Left: 0.000+/-0.000 χ^2/NDF: 761280.7/6

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4590199.6/18

Out: 0.000+/-0.000 χ^2/NDF:6128826.8/22

All: 0.000+/-0.000 χ^2/NDF: 10741882.6/41



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.702+/-12.520 χ^2/NDF:2.3/3

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -21.167+/-12.498 χ^2/NDF:0.3/2

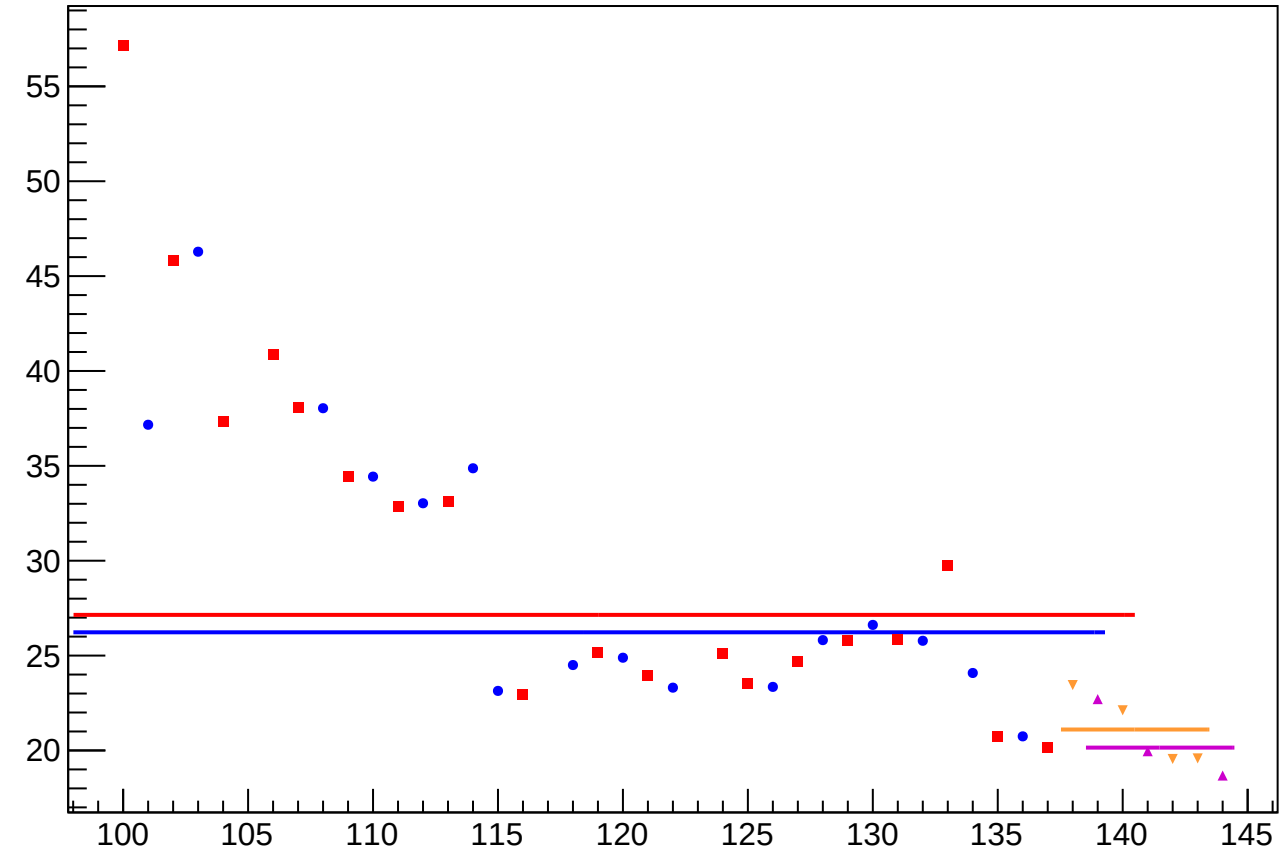
Left: -14.446+/-8.845 χ^2/NDF: 3.1/6

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -8.215+/-7.831 χ^2/NDF:23.4/18

Out: -12.264+/-7.939 χ^2/NDF:20.4/22

All: -10.212+/-5.575 χ^2/NDF: 43.9/41



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

Left: 20.626+/-0.006 χ^2/NDF: 72701.8/6

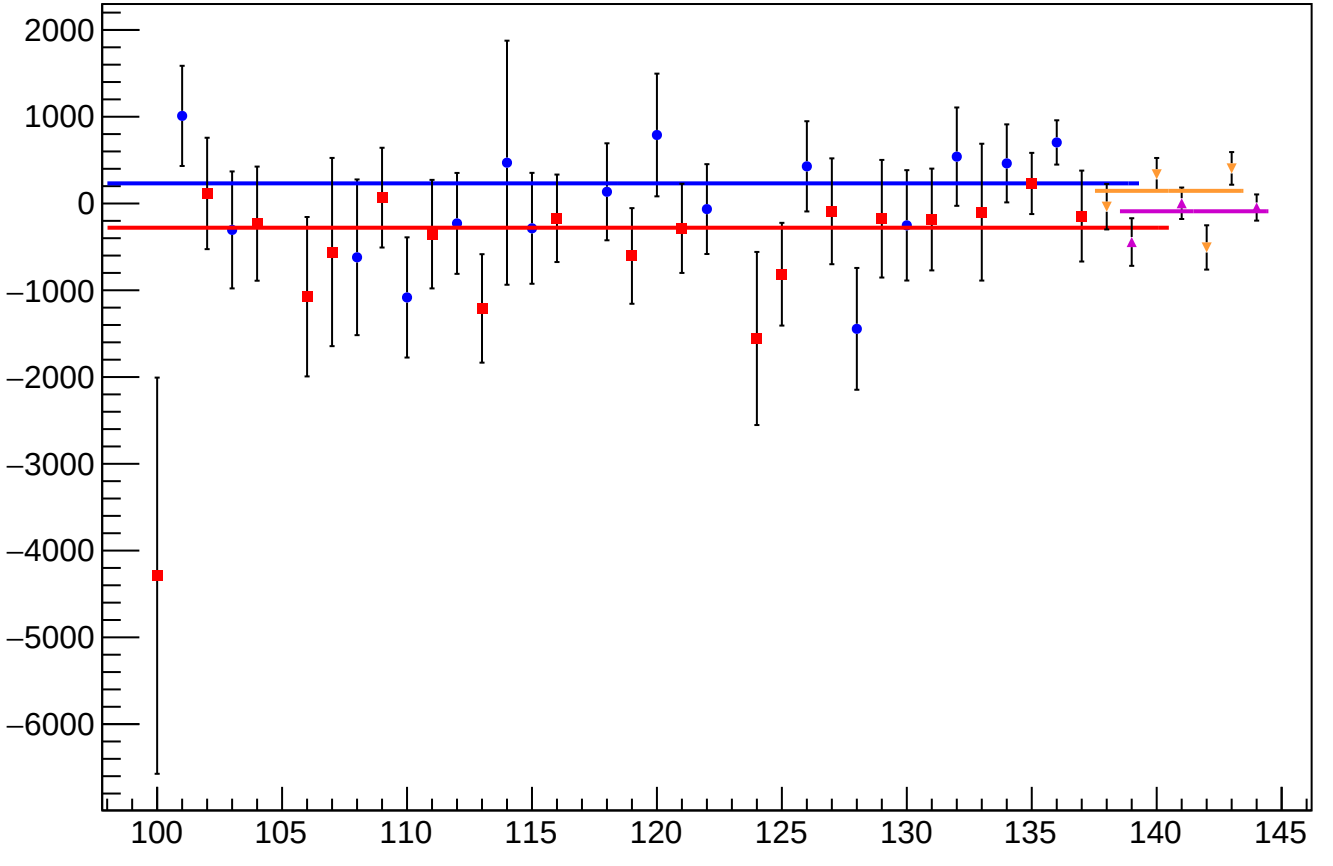
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 23.841+/-0.006 χ^2/NDF:995849.6/18

Out: 24.716+/-0.006 χ^2/NDF:1068167.7/22

All: 24.273+/-0.004 χ^2/NDF: 2076330.1/41

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: 145.878+/-107.646 χ^2/NDF:9.9/3

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -89.592+/-106.846 χ^2/NDF:2.0/2

Left: 27.264+/-75.833 χ^2/NDF: 14.3/6

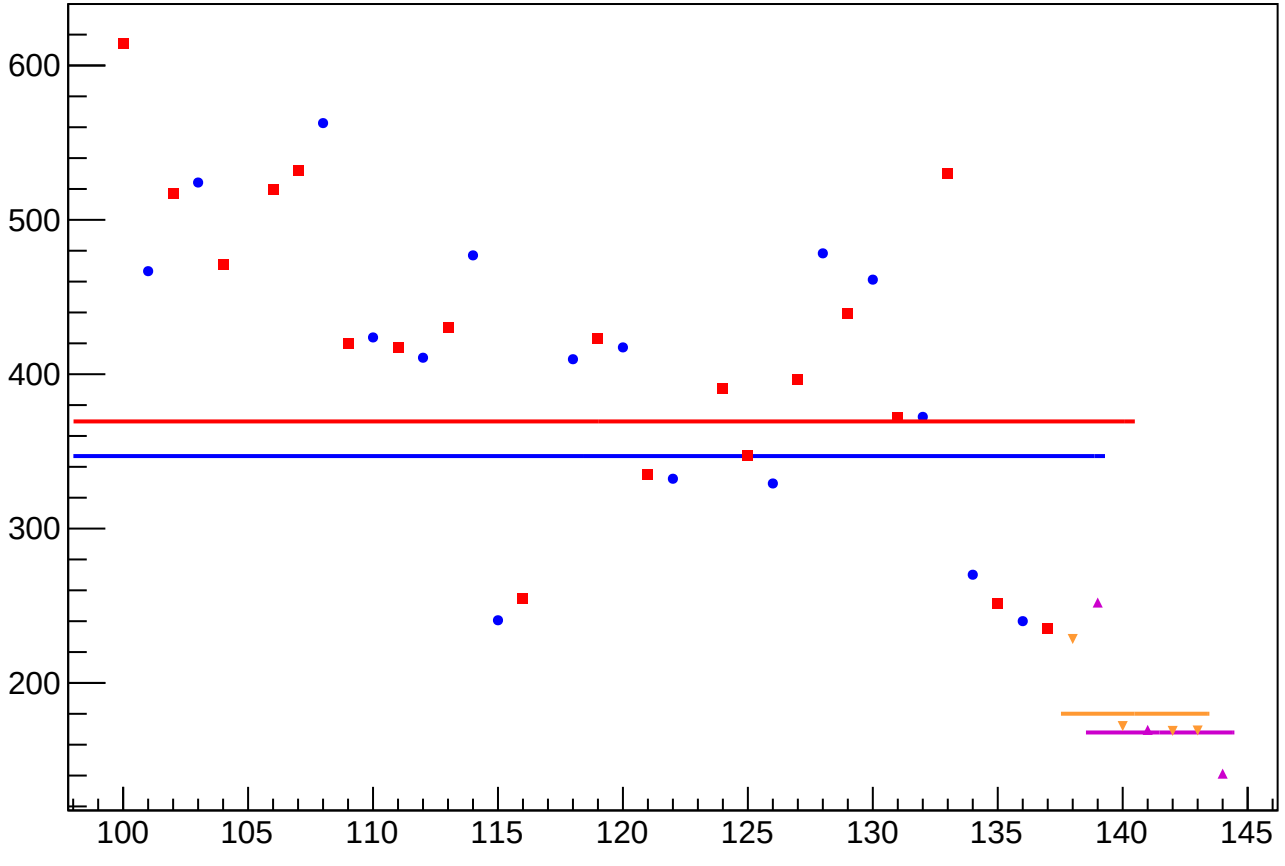
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 34.448+/-83.750 χ^2/NDF:25.1/18

Out: -12.050+/-85.329 χ^2/NDF:27.8/22

All: 11.633+/-59.771 χ^2/NDF: 53.1/41

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: 180.060+/-0.076 χ^2/NDF:82395.9/3

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 167.909+/-0.076 χ^2/NDF:250804.7/2

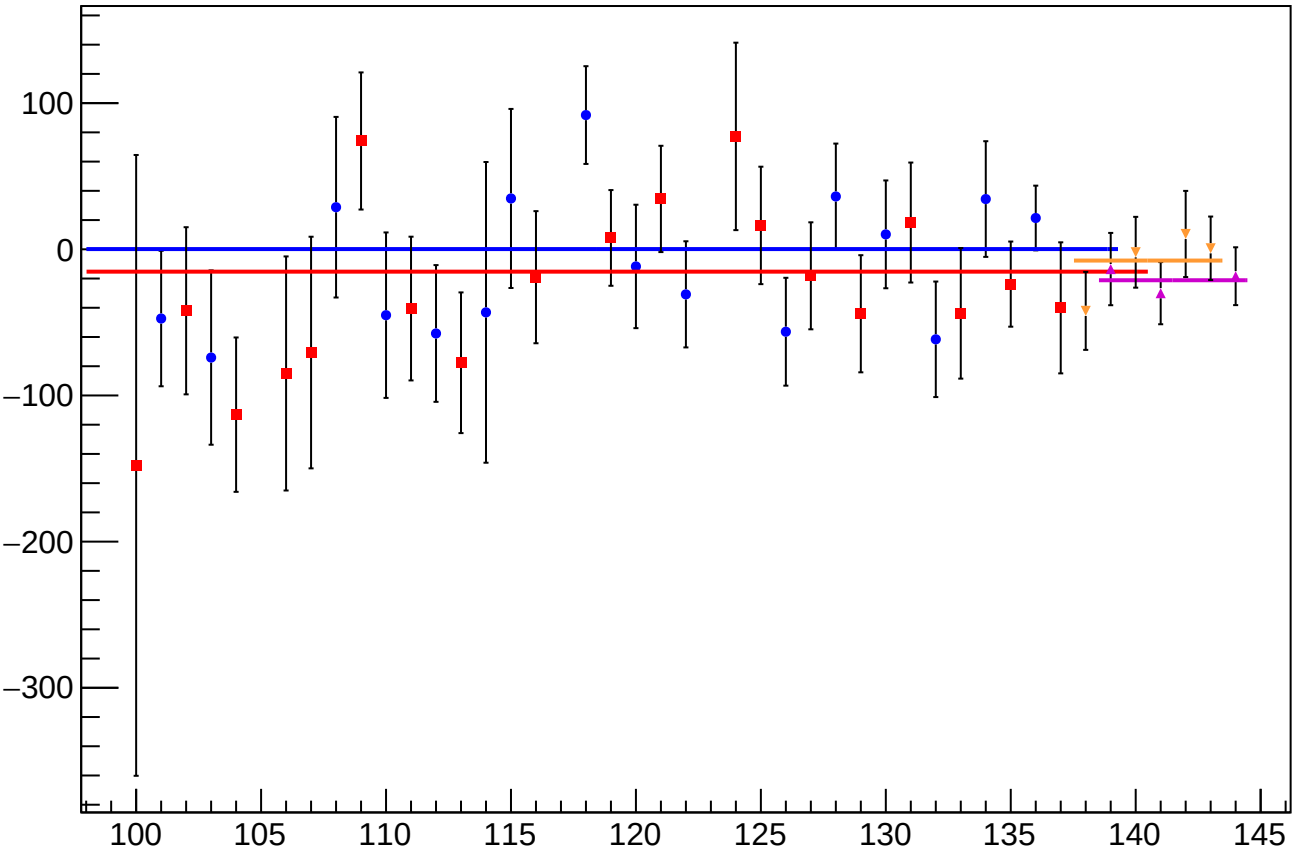
Left: 173.939+/-0.054 χ^2/NDF: 346038.0/6

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 236.954+/-0.059 χ^2/NDF:3474780.5/18

Out: 250.435+/-0.060 χ^2/NDF:3301178.6/22

All: 243.568+/-0.042 χ^2/NDF: 6801386.5/41



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.704+/-12.520 χ^2/NDF:2.3/3

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -21.171+/-12.498 χ^2/NDF:0.3/2

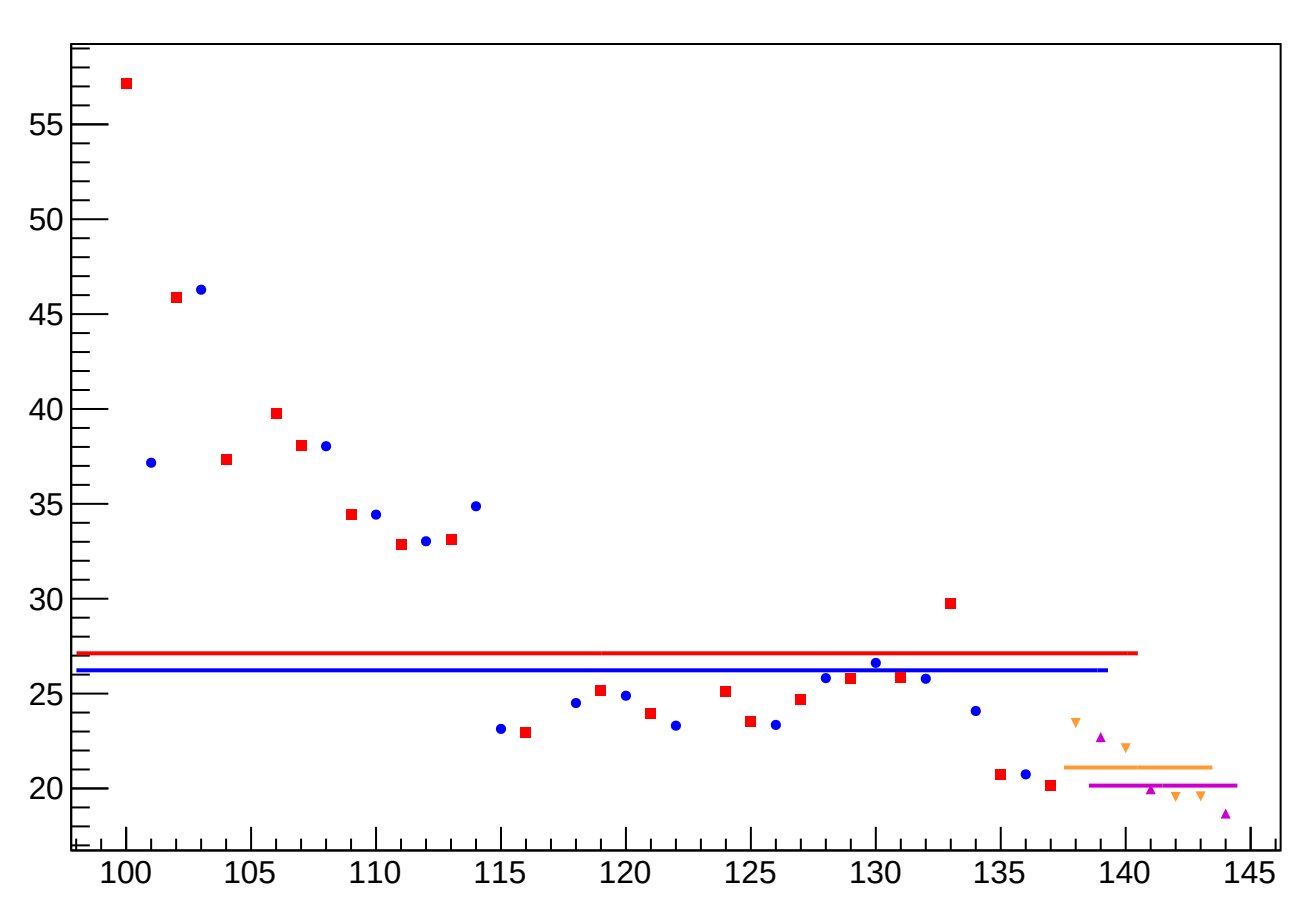
Left: -14.449+/-8.845 χ^2/NDF: 3.1/6

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -8.216+/-7.831 χ^2/NDF:23.4/18

Out: -12.240+/-7.940 χ^2/NDF:20.4/22

All: -10.200+/-5.575 χ^2/NDF: 43.9/41



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

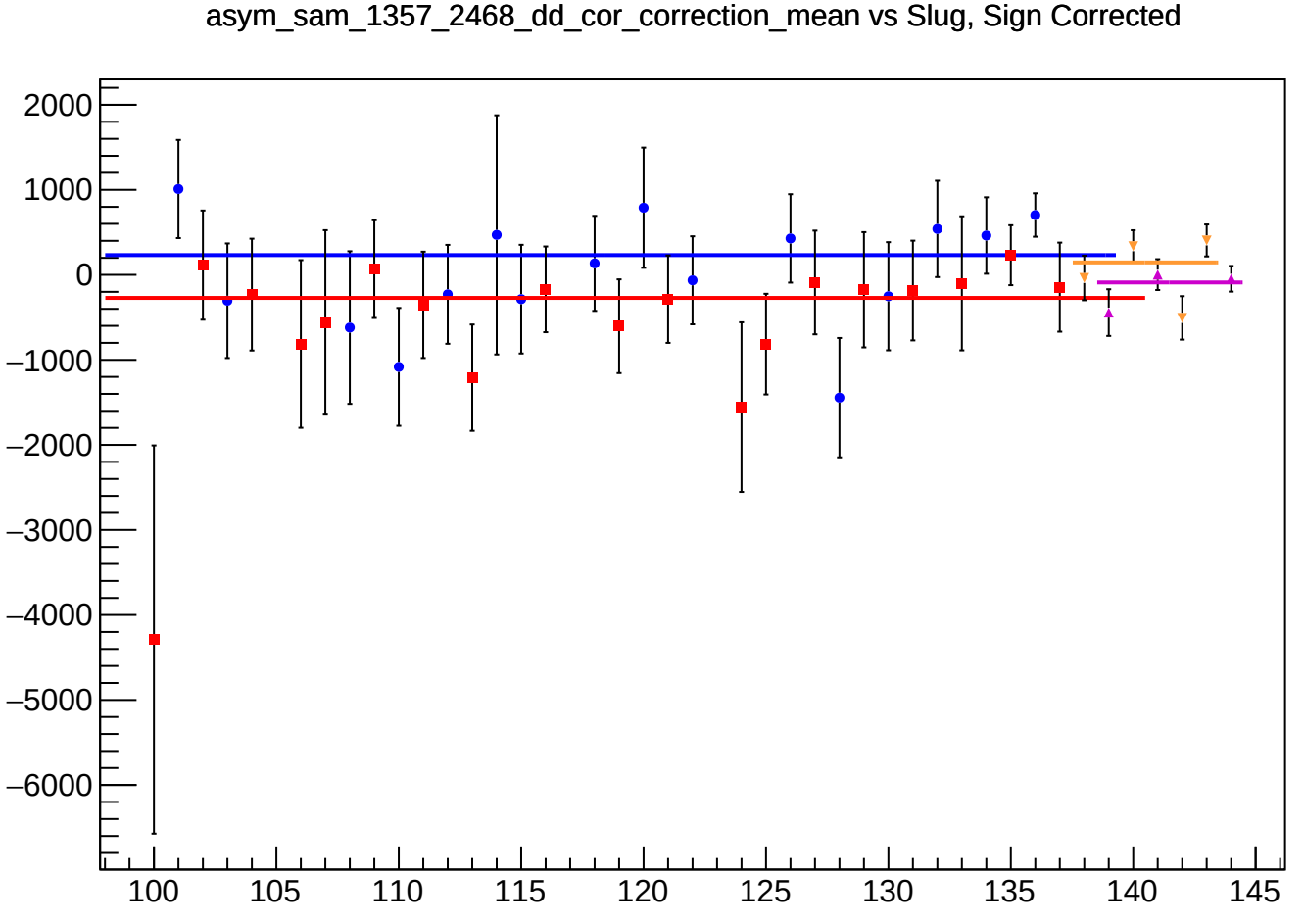
Left: 20.626+/-0.006 χ^2/NDF: 72701.8/6

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.841+/-0.006 χ^2/NDF:995853.0/18

Out: 24.703+/-0.006 χ^2/NDF:1056370.2/22

All: 24.266+/-0.004 χ^2/NDF: 2064155.5/41



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.874+/-107.646 χ^2/NDF:9.9/3

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -89.596+/-106.846 χ^2/NDF:2.0/2

Left: 27.260+/-75.833 χ^2/NDF: 14.3/6

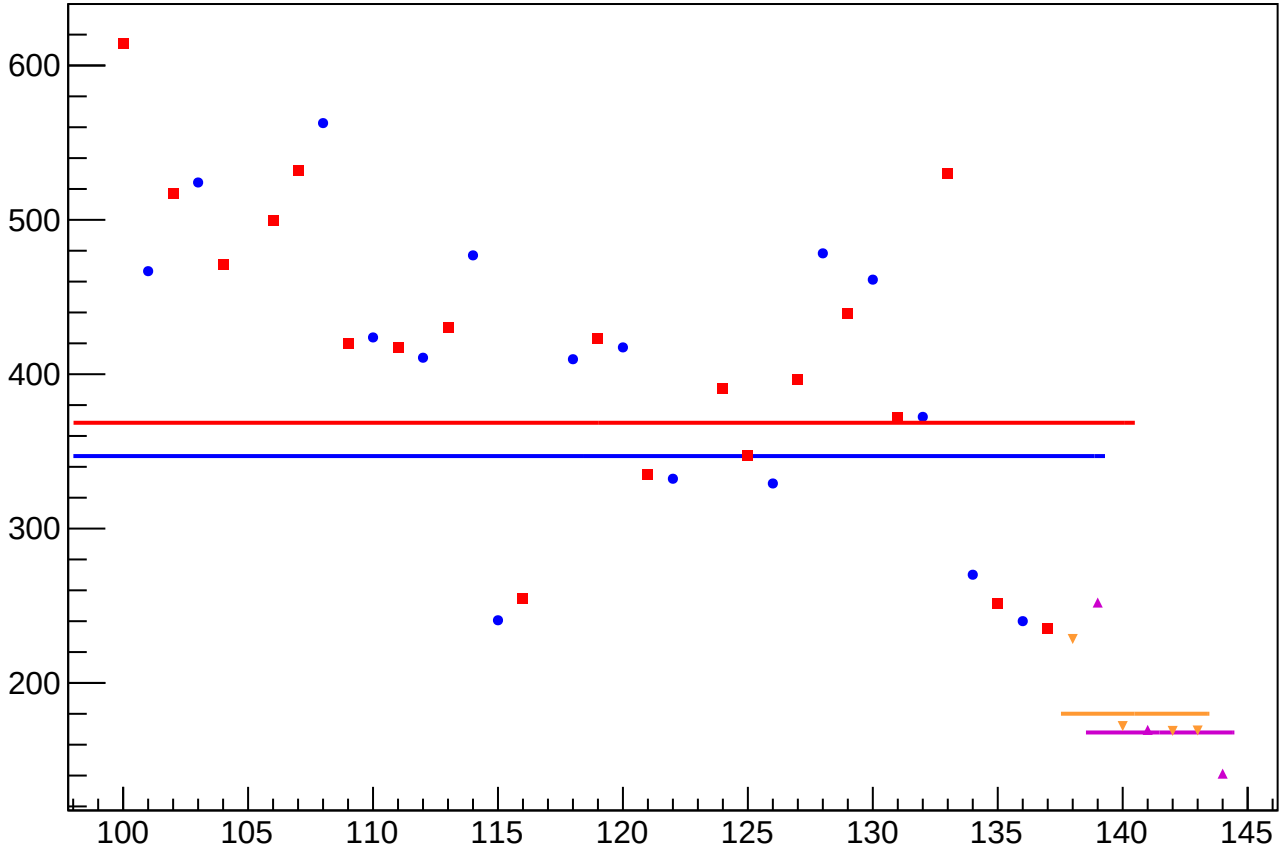
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 34.442+/-83.750 χ^2/NDF:25.2/18

Out: -8.913+/-85.378 χ^2/NDF:27.1/22

All: 13.182+/-59.787 χ^2/NDF: 52.4/41

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: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.909+/-0.076 χ^2/NDF:250803.7/2

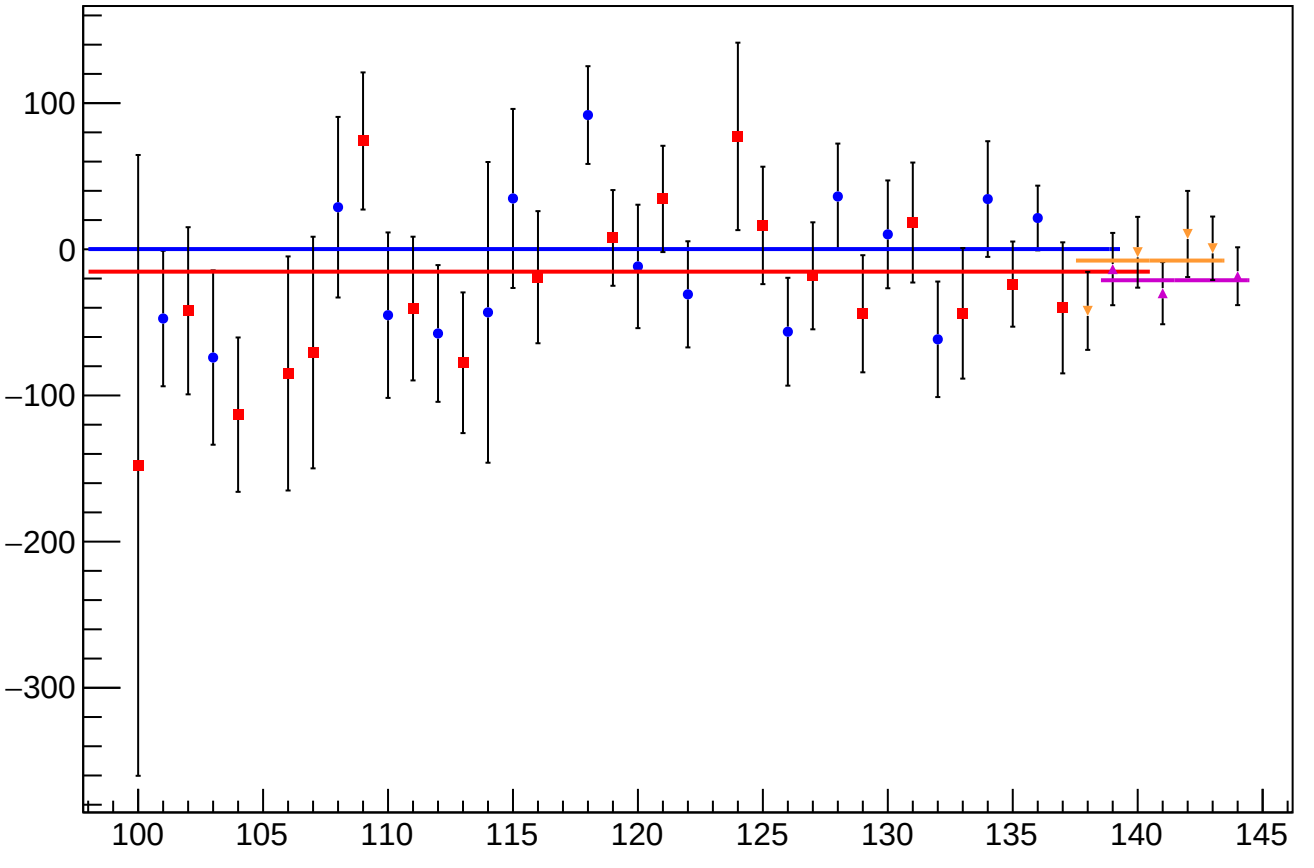
Left: 173.939+/-0.054 χ^2/NDF: 346036.5/6

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 236.954+/-0.059 χ^2/NDF:3474803.3/18

Out: 249.976+/-0.060 χ^2/NDF:3257090.7/22

All: 243.339+/-0.042 χ^2/NDF: 6755605.0/41



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.704+/-12.520 χ^2/NDF:2.3/3

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -21.171+/-12.498 χ^2/NDF:0.3/2

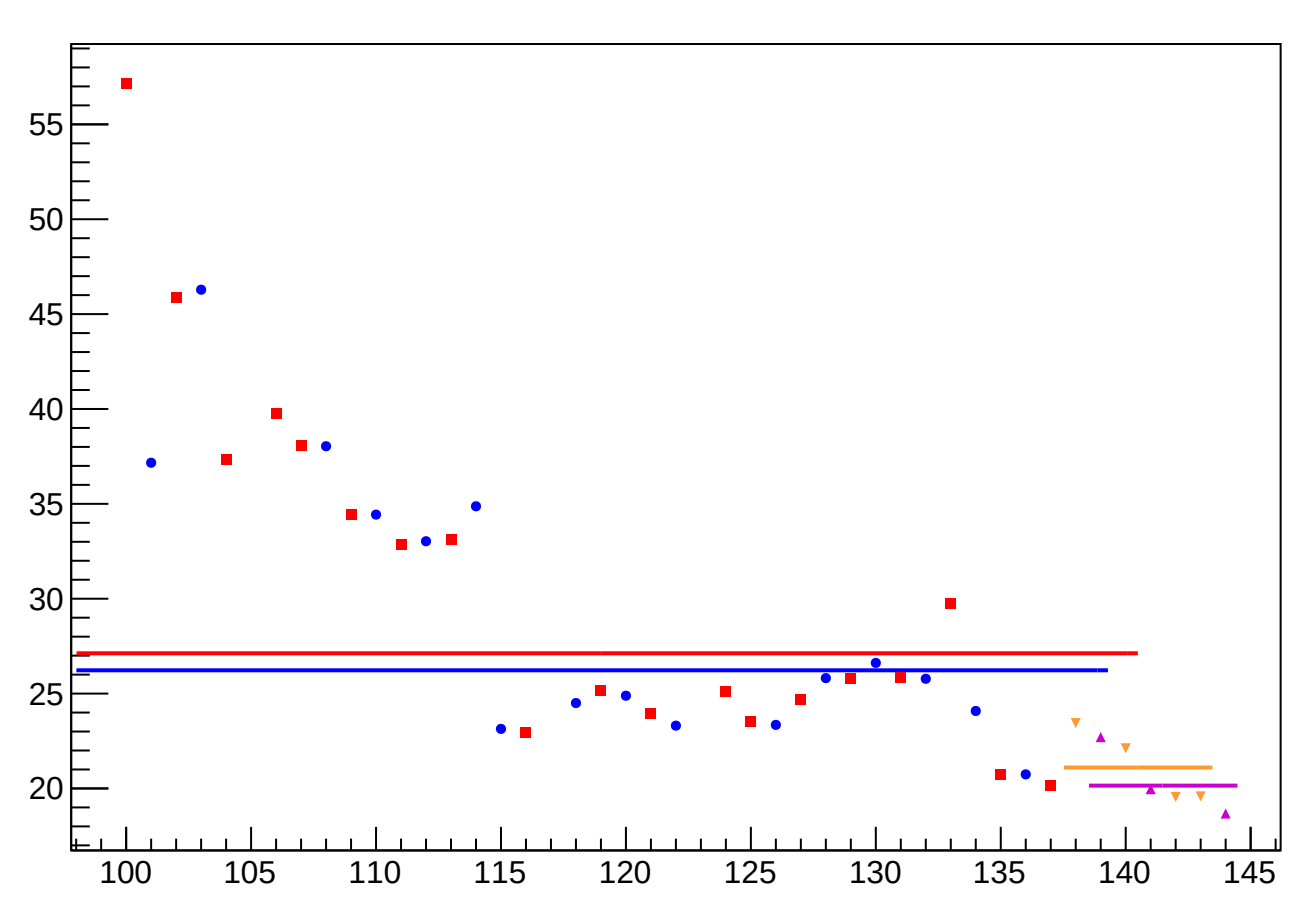
Left: -14.449+/-8.845 χ^2/NDF: 3.1/6

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -8.216+/-7.831 χ^2/NDF:23.4/18

Out: -12.240+/-7.940 χ^2/NDF:20.4/22

All: -10.200+/-5.575 χ^2/NDF: 43.9/41



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.150+/-0.009 χ^2/NDF:32586.3/2

Left: 20.626+/-0.006 χ^2/NDF: 72701.8/6

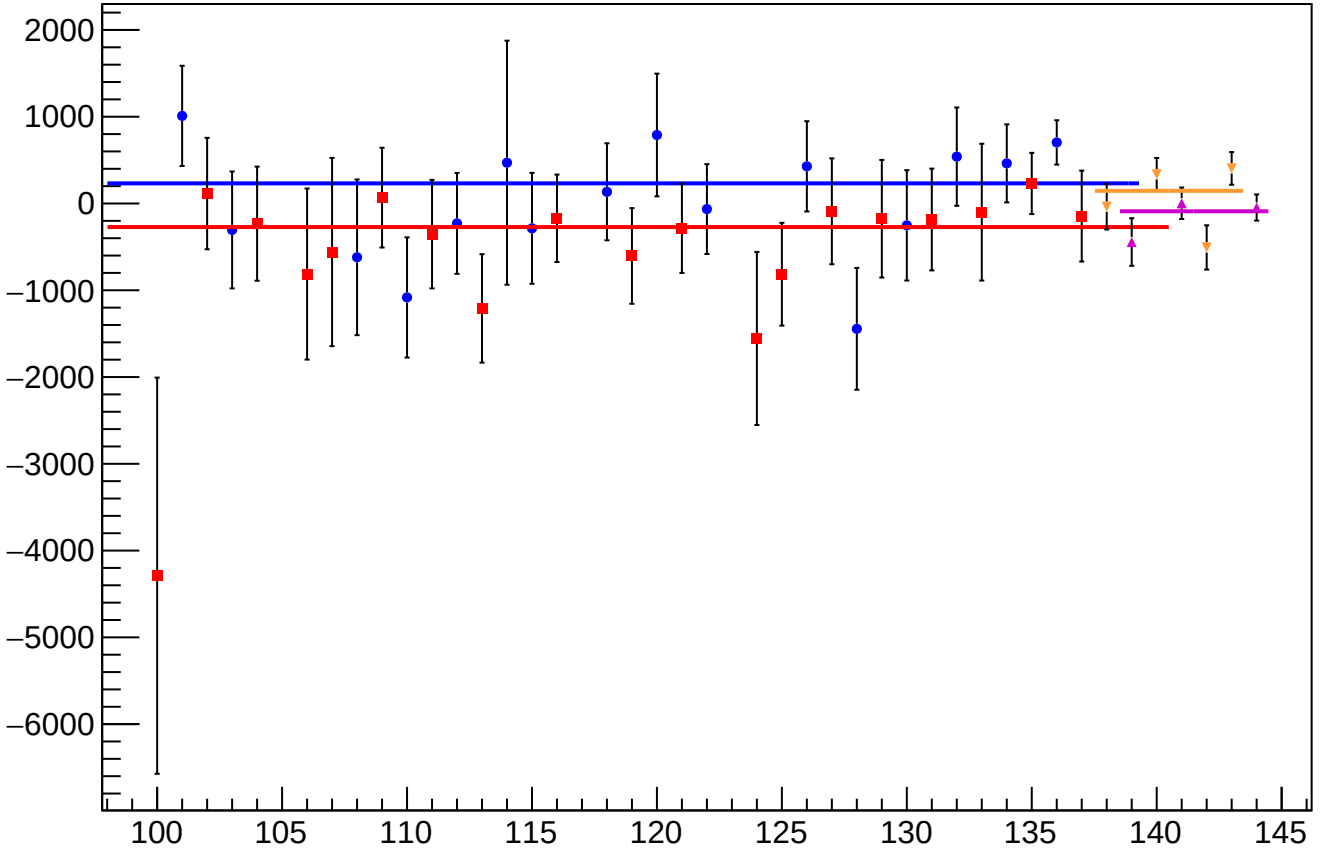
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.841+/-0.006 χ^2/NDF:995853.0/18

Out: 24.703+/-0.006 χ^2/NDF:1056370.2/22

All: 24.266+/-0.004 χ^2/NDF: 2064155.5/41

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.874+/-107.646 χ^2/NDF:9.9/3

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -89.596+/-106.846 χ^2/NDF:2.0/2

Left: 27.260+/-75.833 χ^2/NDF: 14.3/6

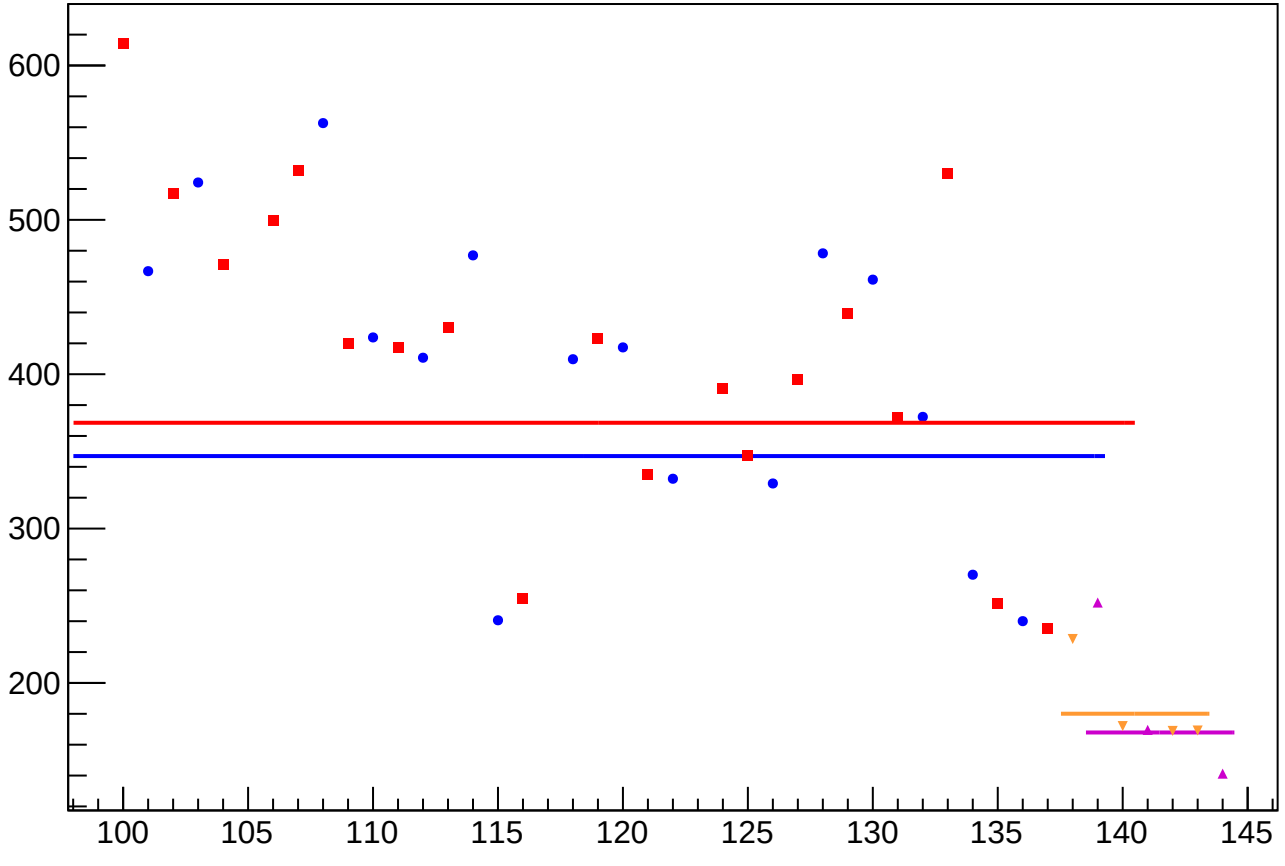
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 34.442+/-83.750 χ^2/NDF:25.2/18

Out: -8.913+/-85.378 χ^2/NDF:27.1/22

All: 13.182+/-59.787 χ^2/NDF: 52.4/41

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: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 167.909+/-0.076 χ^2/NDF:250803.7/2

Left: 173.939+/-0.054 χ^2/NDF: 346036.5/6

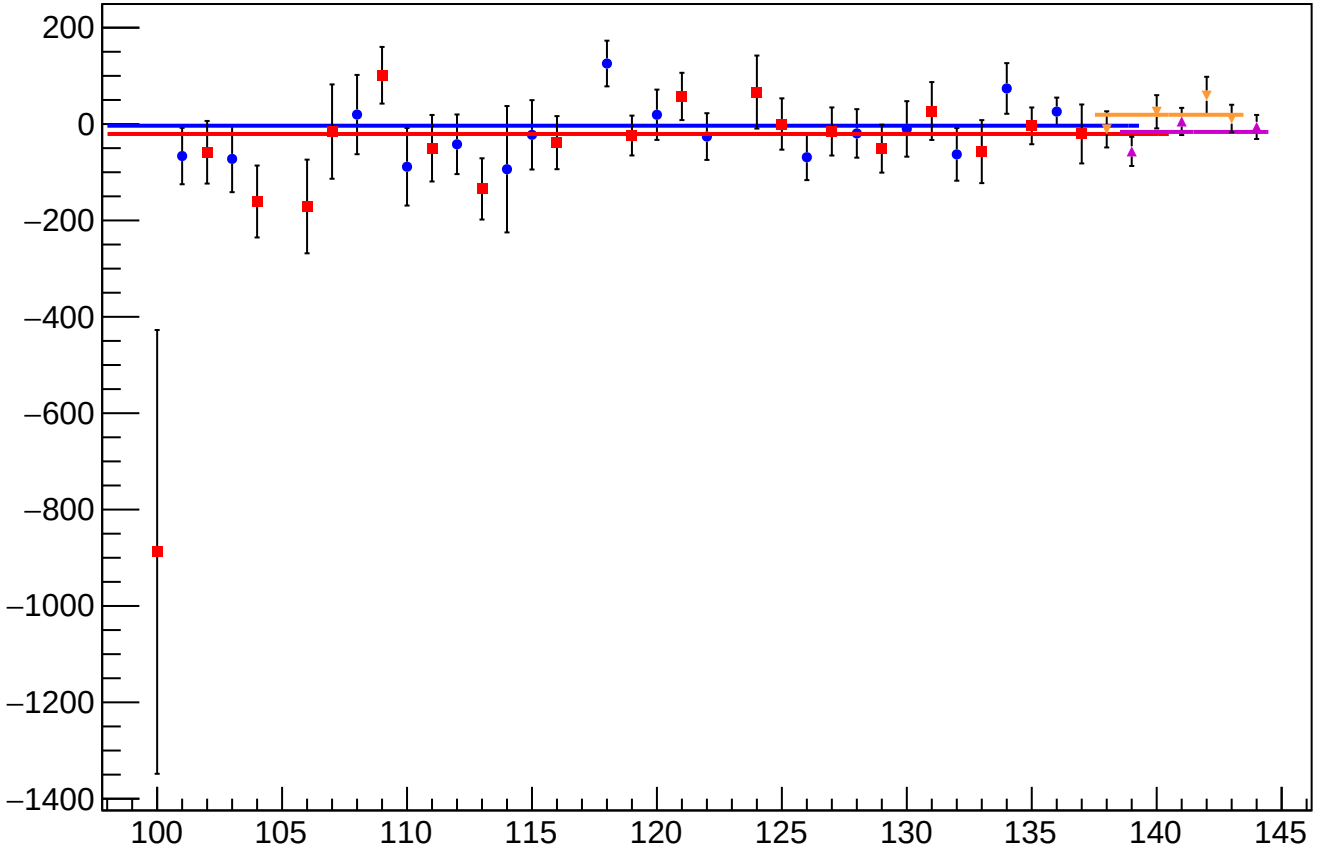
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 236.954+/-0.059 χ^2/NDF:3474803.3/18

Out: 249.976+/-0.060 χ^2/NDF:3257090.7/22

All: 243.339+/-0.042 χ^2/NDF: 6755605.0/41

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -16.334+/-15.905 χ^2/NDF:2.5/2

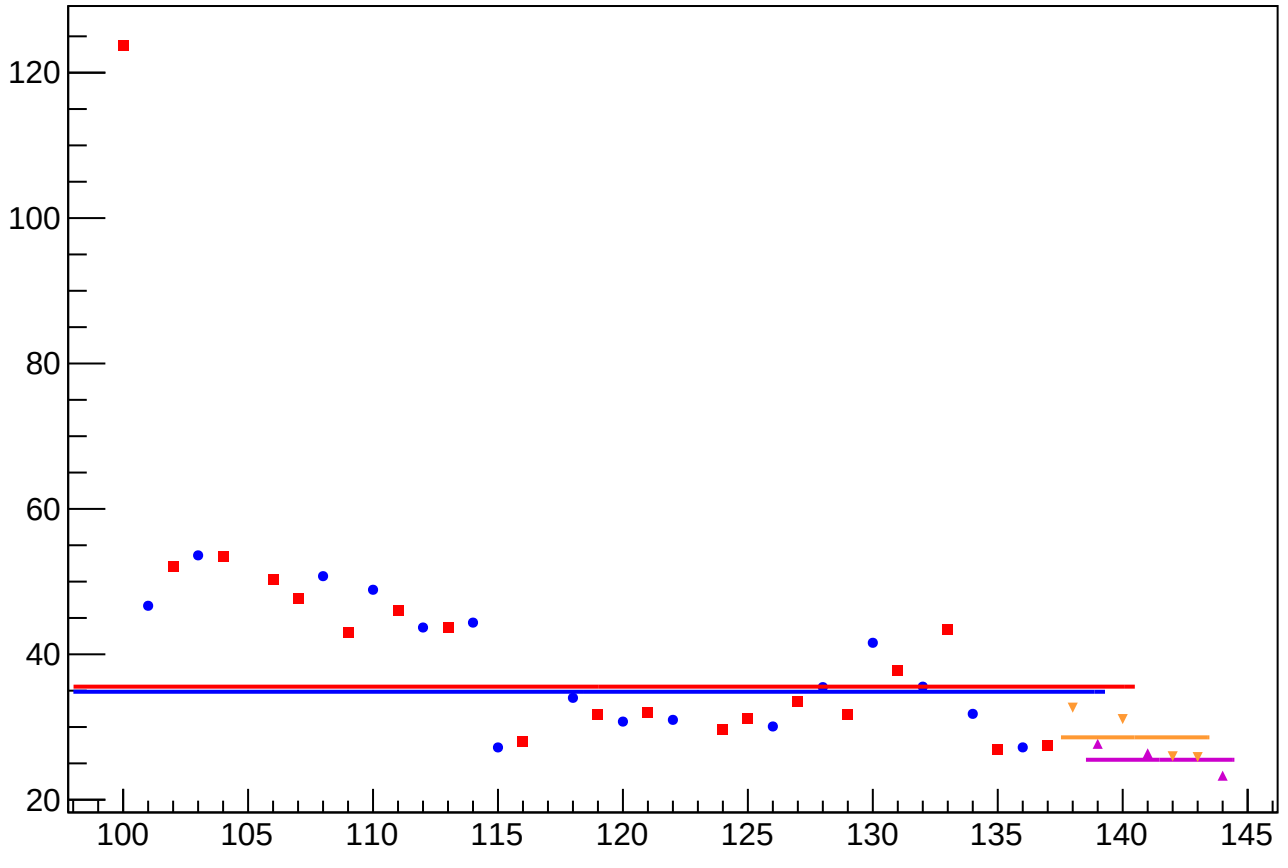
Left: 0.168+/-11.647 χ^2/NDF: 6.6/6

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.780+/-10.244 χ^2/NDF:21.4/18

Out: -5.318+/-10.584 χ^2/NDF:28.3/22

All: -7.106+/-7.361 χ^2/NDF: 49.7/41



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 28.581+/-0.012 χ^2/NDF:61096.7/3

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 25.497+/-0.011 χ^2/NDF:27869.8/2

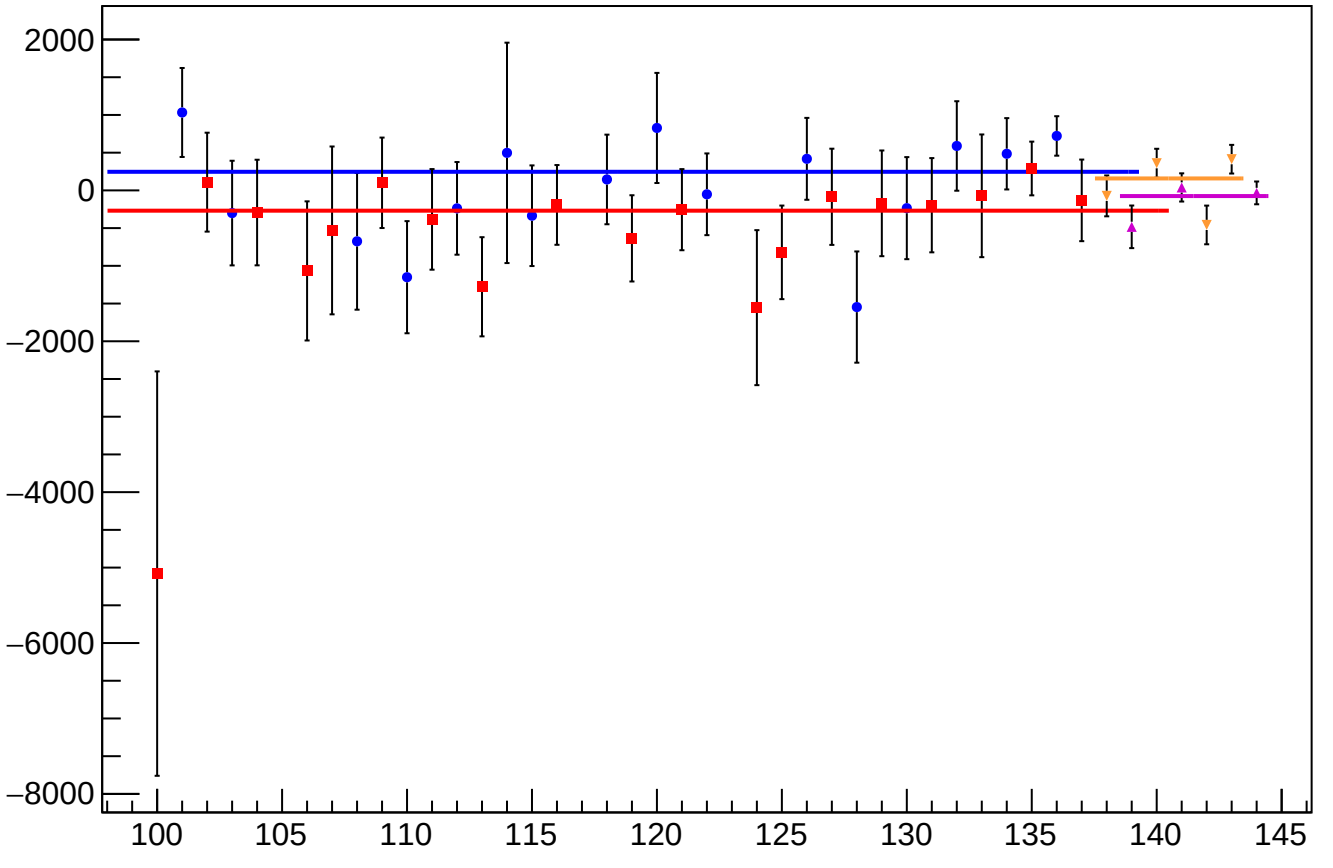
Left: 26.927+/-0.008 χ^2/NDF: 123832.9/6

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.970+/-0.007 χ^2/NDF:1090750.2/18

Out: 32.882+/-0.007 χ^2/NDF:1046073.3/22

All: 31.895+/-0.005 χ^2/NDF: 2170538.0/41



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.315 χ^2/NDF:9.4/3

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -75.163+/-108.457 χ^2/NDF:2.5/2

Left: 40.705+/-76.992 χ^2/NDF: 14.2/6

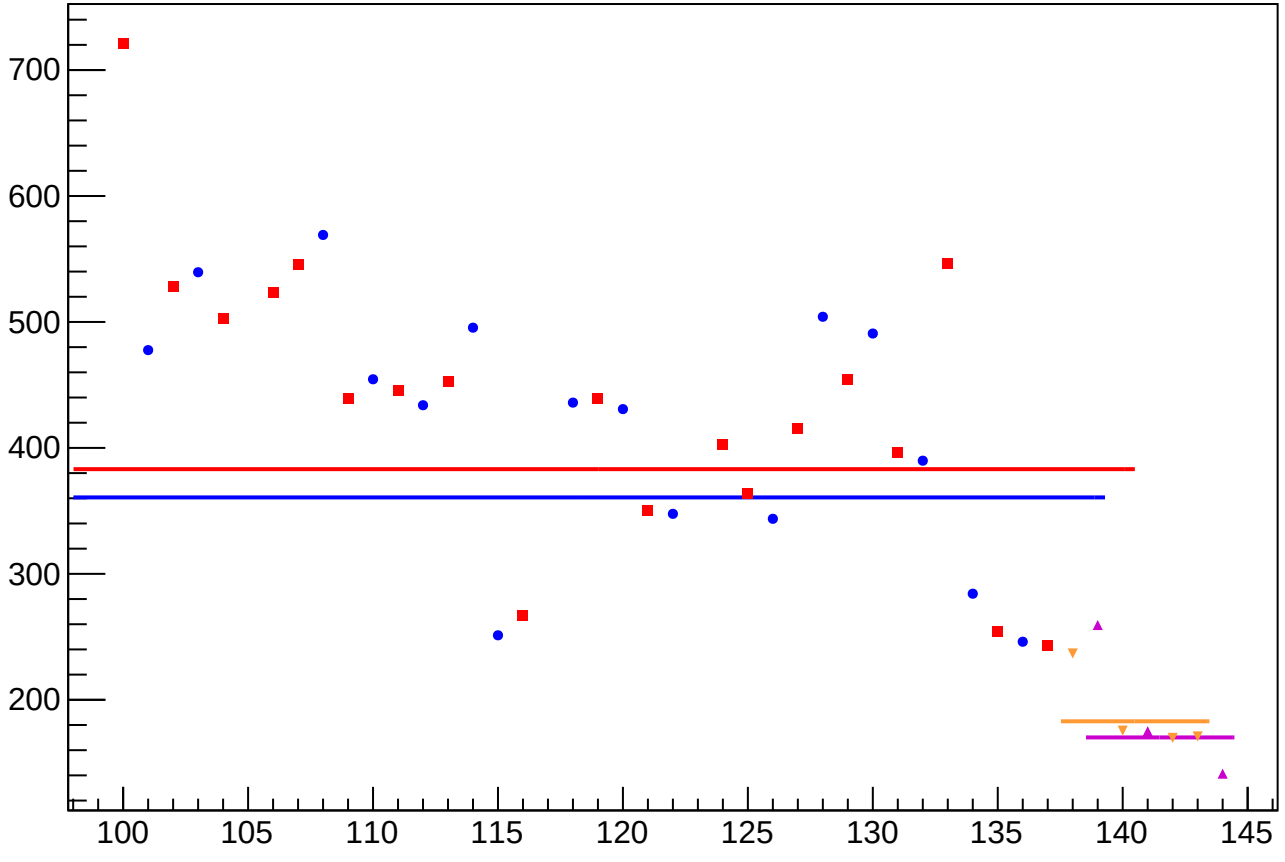
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 45.186+/-85.802 χ^2/NDF:25.6/18

Out: 3.956+/-87.353 χ^2/NDF:27.6/22

All: 24.941+/-61.212 χ^2/NDF: 53.3/41

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 182.925+/-0.077 χ^2/NDF:95299.6/3

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 170.129+/-0.077 χ^2/NDF:273985.3/2

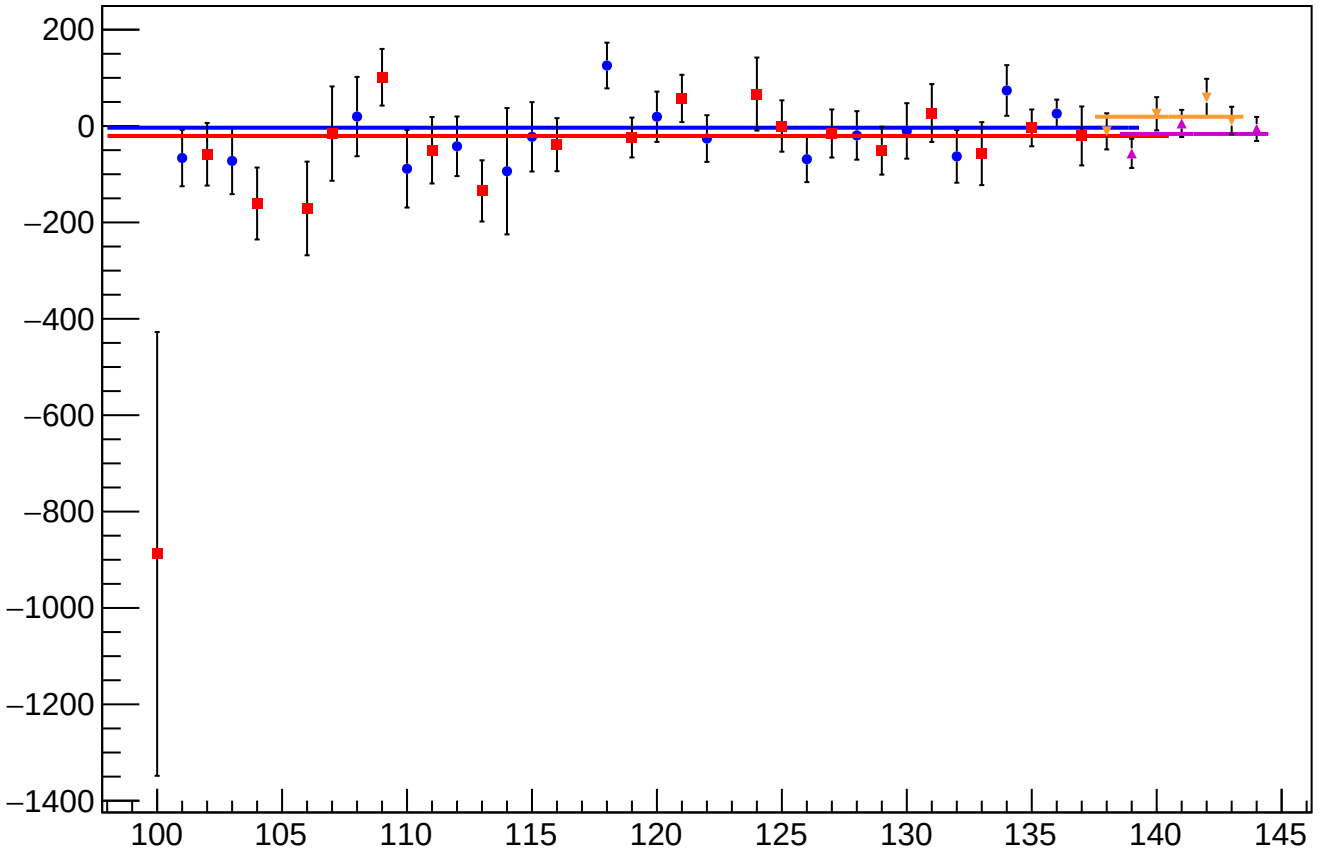
Left: 176.477+/-0.054 χ^2/NDF: 383094.9/6

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 241.427+/-0.061 χ^2/NDF:3676815.1/18

Out: 255.290+/-0.062 χ^2/NDF:3483232.1/22

All: 248.234+/-0.043 χ^2/NDF: 7185685.7/41



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -16.334+/-15.905 χ^2/NDF:2.5/2

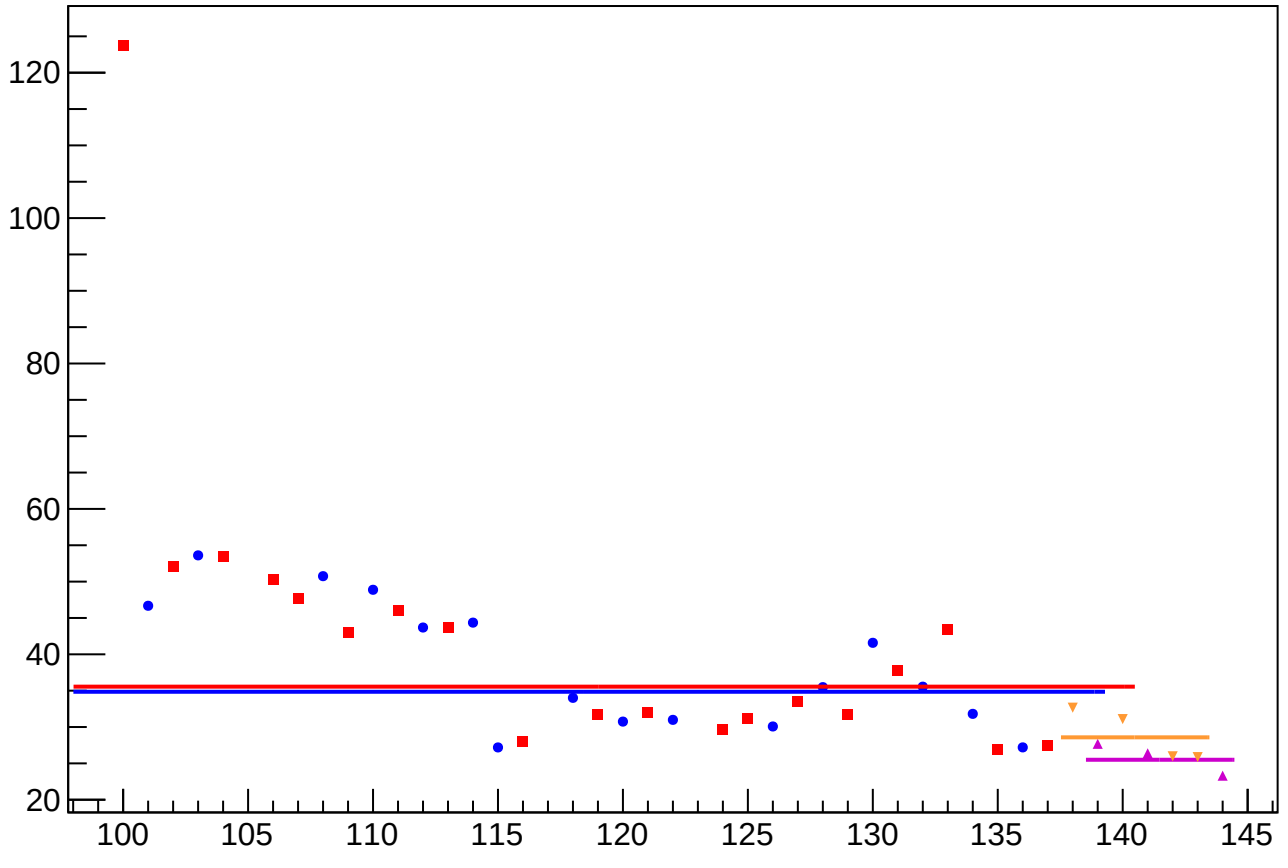
Left: 0.168+/-11.647 χ^2/NDF: 6.6/6

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.780+/-10.244 χ^2/NDF:21.4/18

Out: -5.318+/-10.584 χ^2/NDF:28.3/22

All: -7.106+/-7.361 χ^2/NDF: 49.7/41



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 28.580+/-0.012 χ^2/NDF:61089.6/3

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.497+/-0.011 χ^2/NDF:27862.9/2

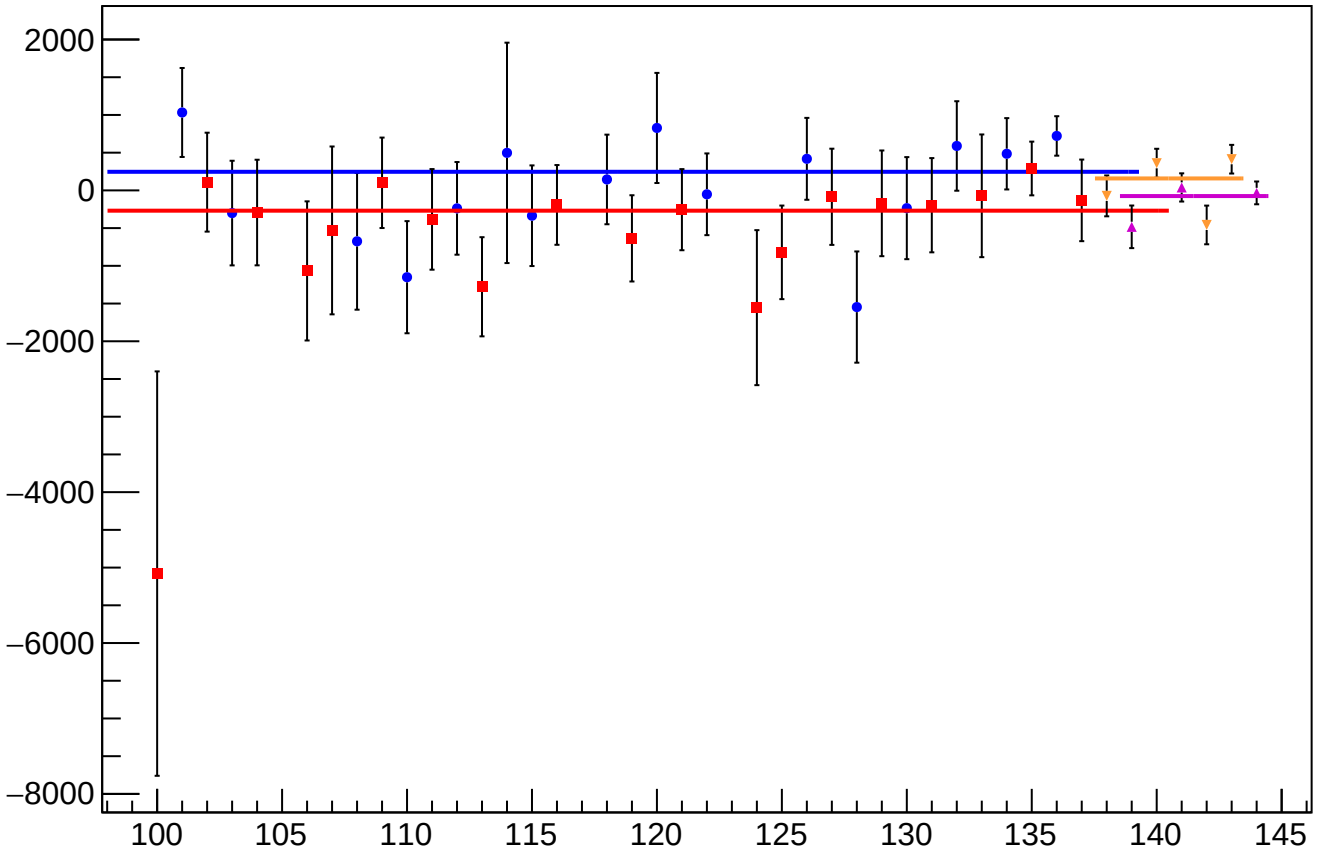
Left: 26.927+/-0.008 χ^2/NDF: 123818.9/6

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 30.970+/-0.007 χ^2/NDF:1090661.8/18

Out: 32.882+/-0.007 χ^2/NDF:1046019.8/22

All: 31.895+/-0.005 χ^2/NDF: 2170397.5/41



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.314 χ^2/NDF:9.4/3

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -75.164+/-108.457 χ^2/NDF:2.5/2

Left: 40.705+/-76.992 χ^2/NDF: 14.2/6

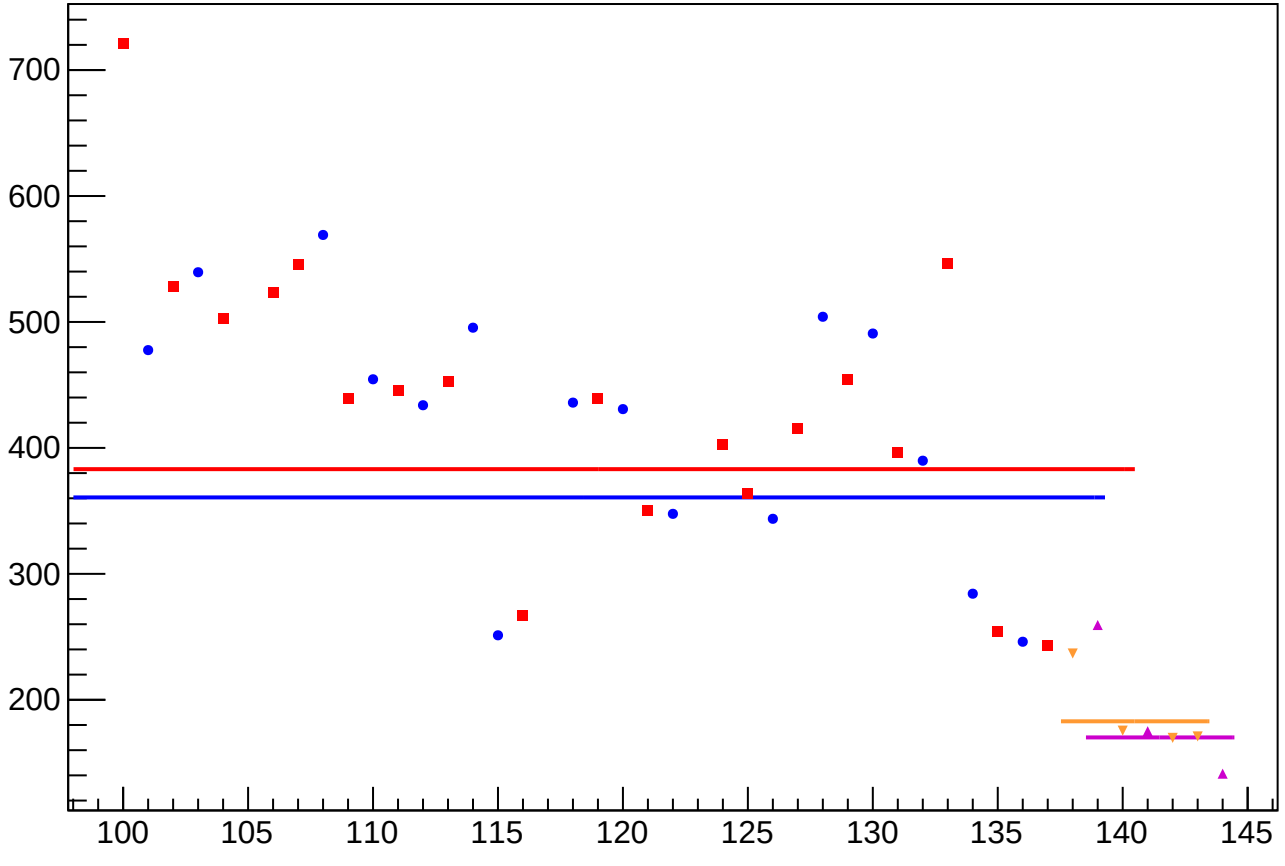
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 45.185+/-85.802 χ^2/NDF:25.6/18

Out: 3.956+/-87.352 χ^2/NDF:27.6/22

All: 24.940+/-61.212 χ^2/NDF: 53.3/41

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: 182.925+/-0.077 χ^2/NDF:95293.0/3

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 170.129+/-0.077 χ^2/NDF:273981.7/2

Left: 176.476+/-0.054 χ^2/NDF: 383085.6/6

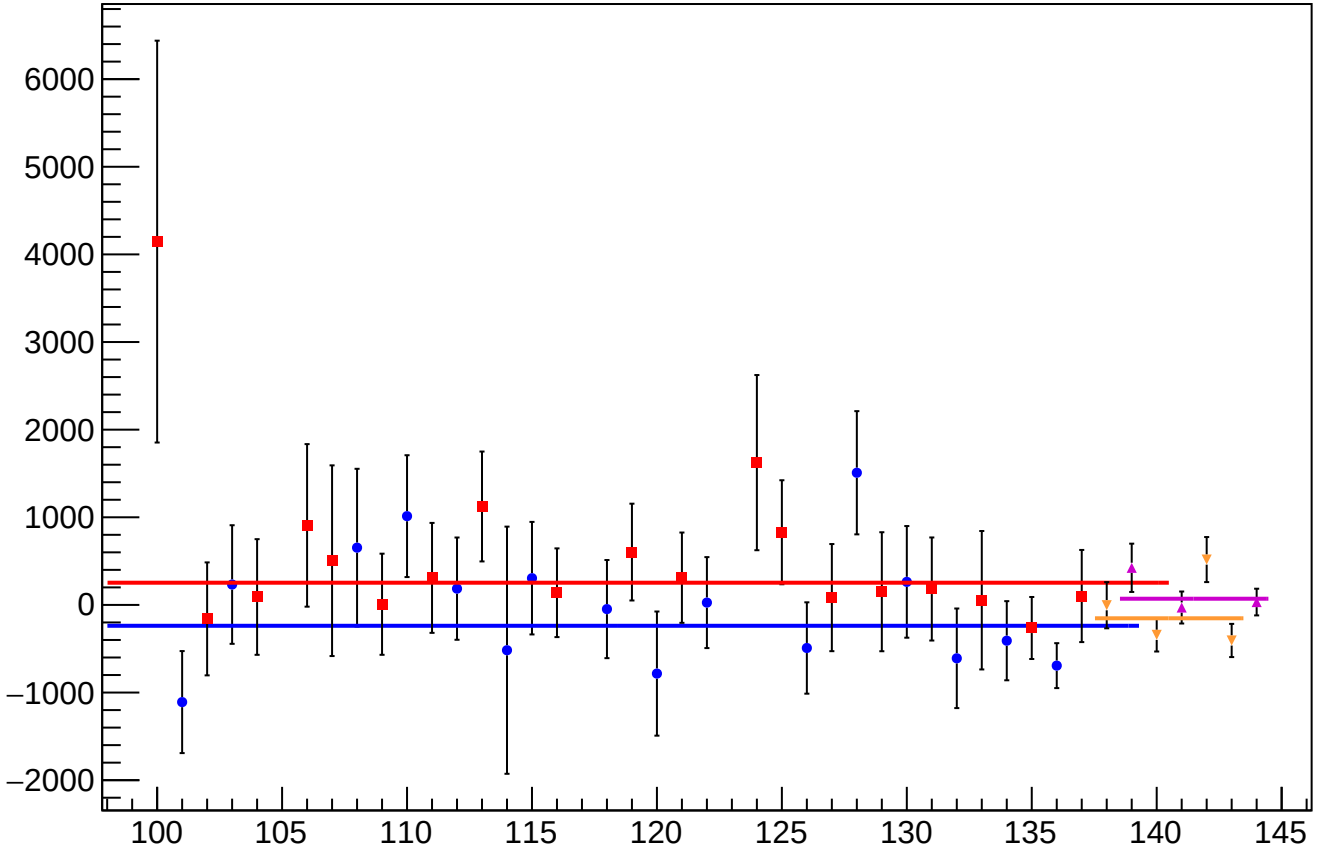
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 241.426+/-0.061 χ^2/NDF:3676811.1/18

Out: 255.289+/-0.062 χ^2/NDF:3483216.2/22

All: 248.233+/-0.043 χ^2/NDF: 7185667.3/41

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -152.539+/-108.412 χ^2/NDF:9.9/3

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 70.694+/-107.649 χ^2/NDF:2.0/2

Left: -40.135+/-76.388 χ^2/NDF: 14.0/6

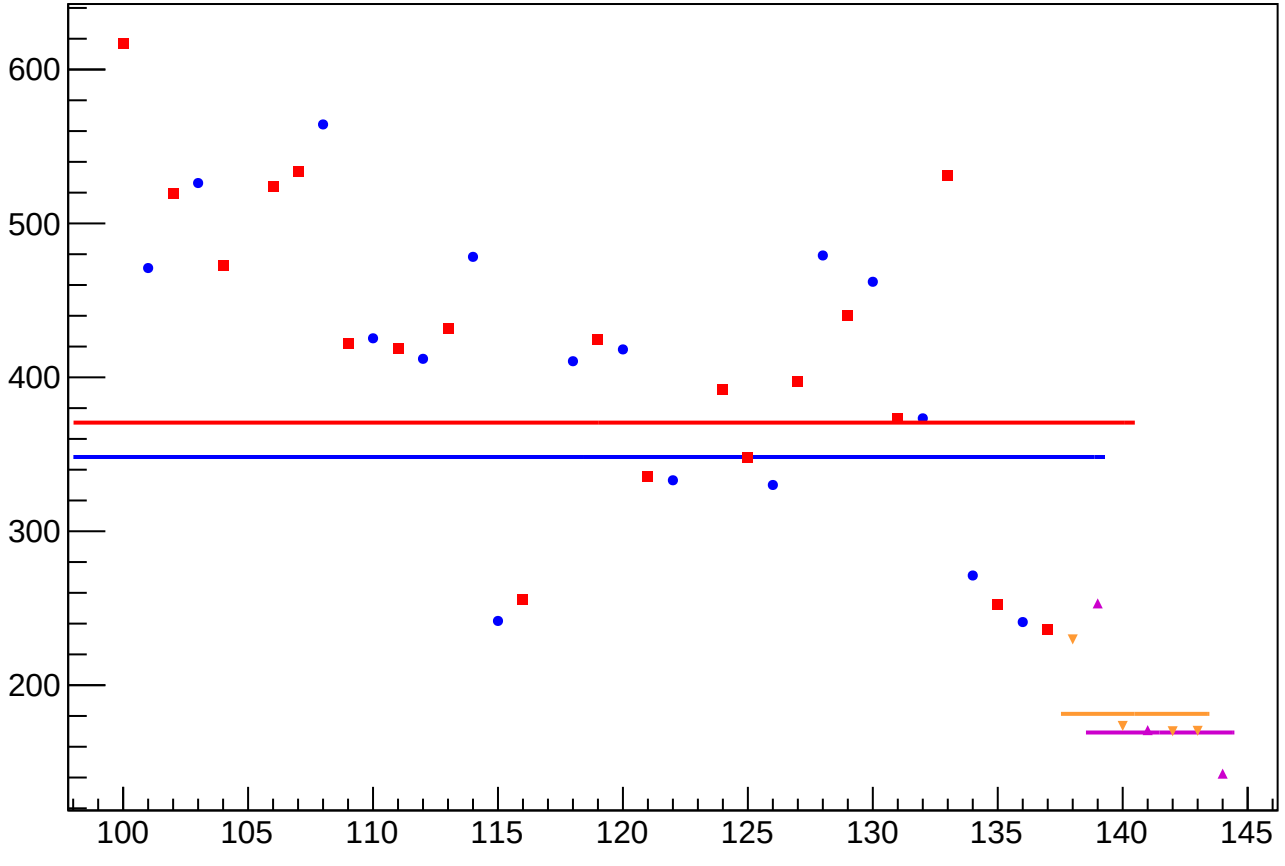
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -48.933+/-84.251 χ^2/NDF:25.1/18

Out: -0.912+/-85.811 χ^2/NDF:26.8/22

All: -25.363+/-60.118 χ^2/NDF: 52.1/41

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.372+/-0.077 χ^2/NDF:81512.5/3

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 169.255+/-0.076 χ^2/NDF:247118.0/2

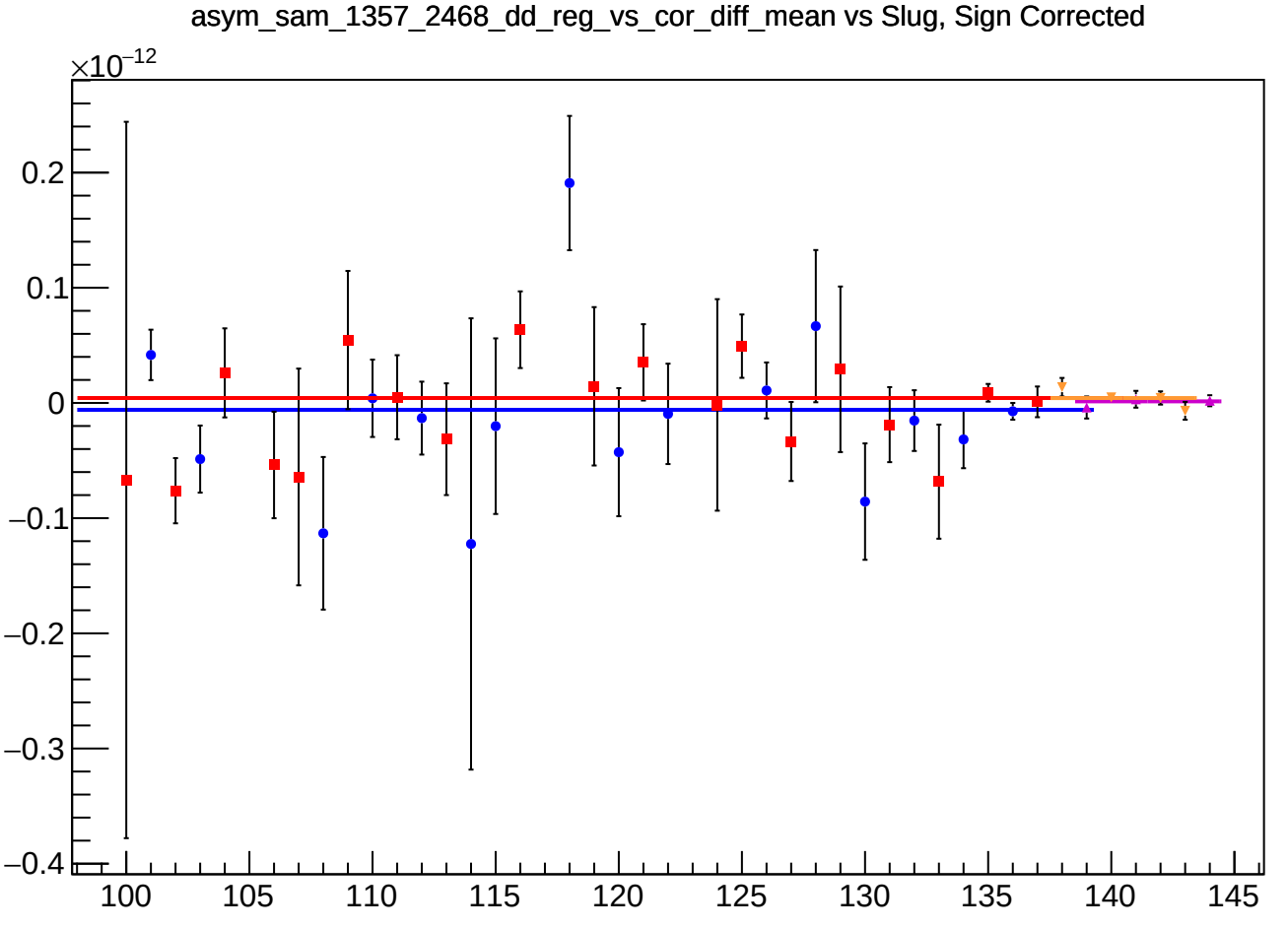
Left: 175.270+/-0.054 χ^2/NDF: 341211.7/6

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 238.611+/-0.060 χ^2/NDF:3446550.3/18

Out: 252.039+/-0.061 χ^2/NDF:3274775.8/22

All: 245.202+/-0.043 χ^2/NDF: 6746263.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/2

Left: 0.000+/-0.000 χ^2/NDF: 4.2/6

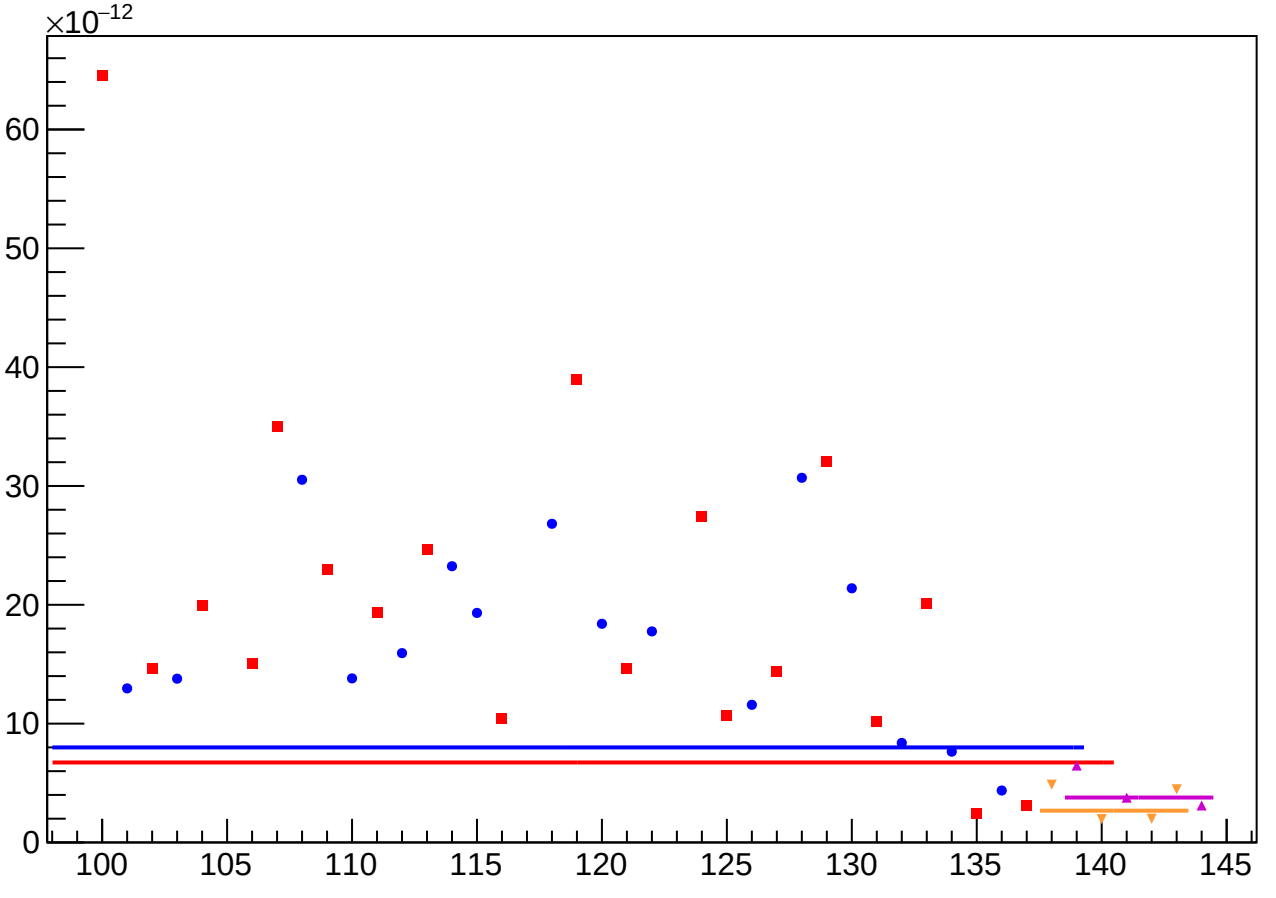
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:28.9/18

Out: 0.000+/-0.000 χ^2/NDF:26.4/22

All: 0.000+/-0.000 χ^2/NDF: 56.9/41

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:344762.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:197058.1/2

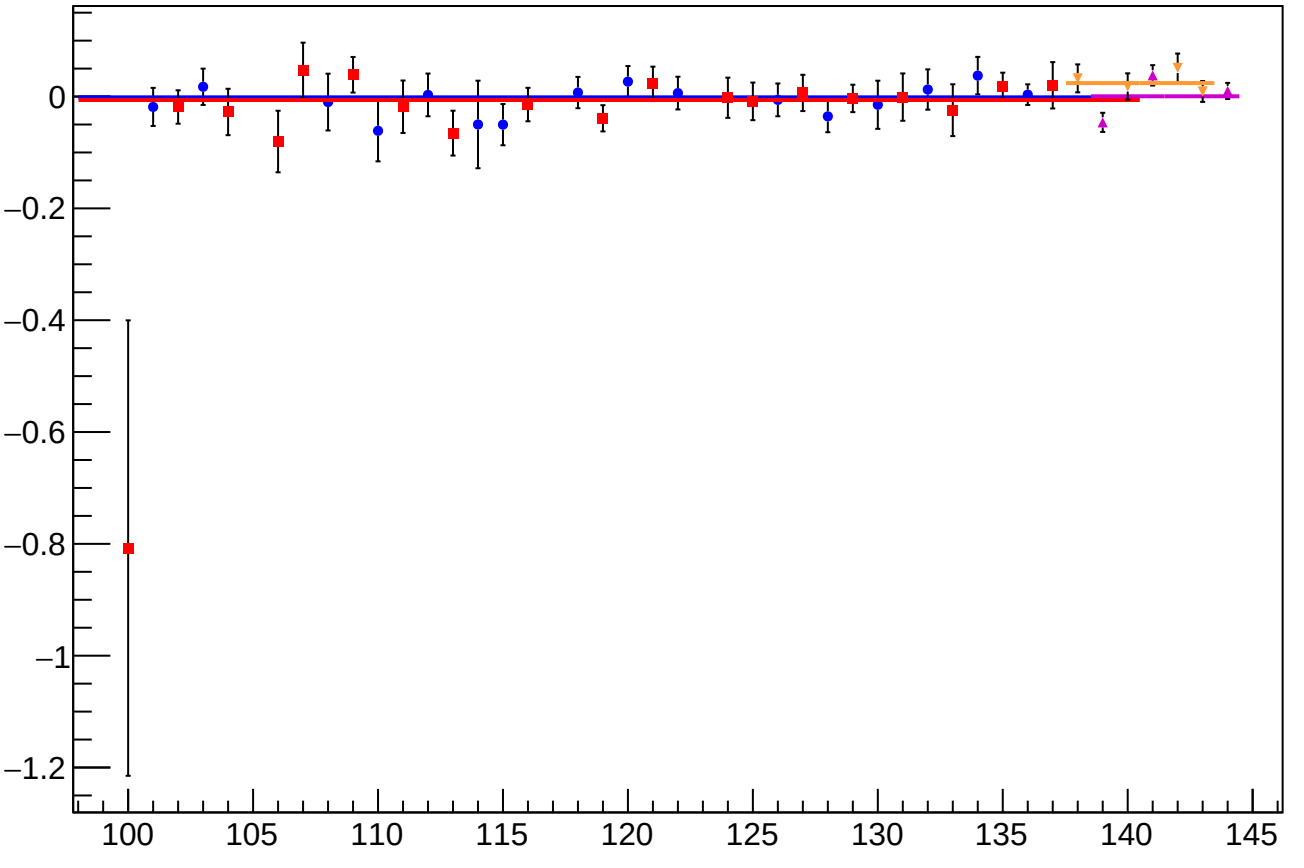
Left: 0.000+/-0.000 χ^2/NDF: 654124.9/6

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:2920649.1/18

Out: 0.000+/-0.000 χ^2/NDF:4567284.2/22

All: 0.000+/-0.000 χ^2/NDF: 7773128.0/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.009 χ^2/NDF:12.1/2

Left: 0.010+/-0.007 χ^2/NDF: 16.6/6

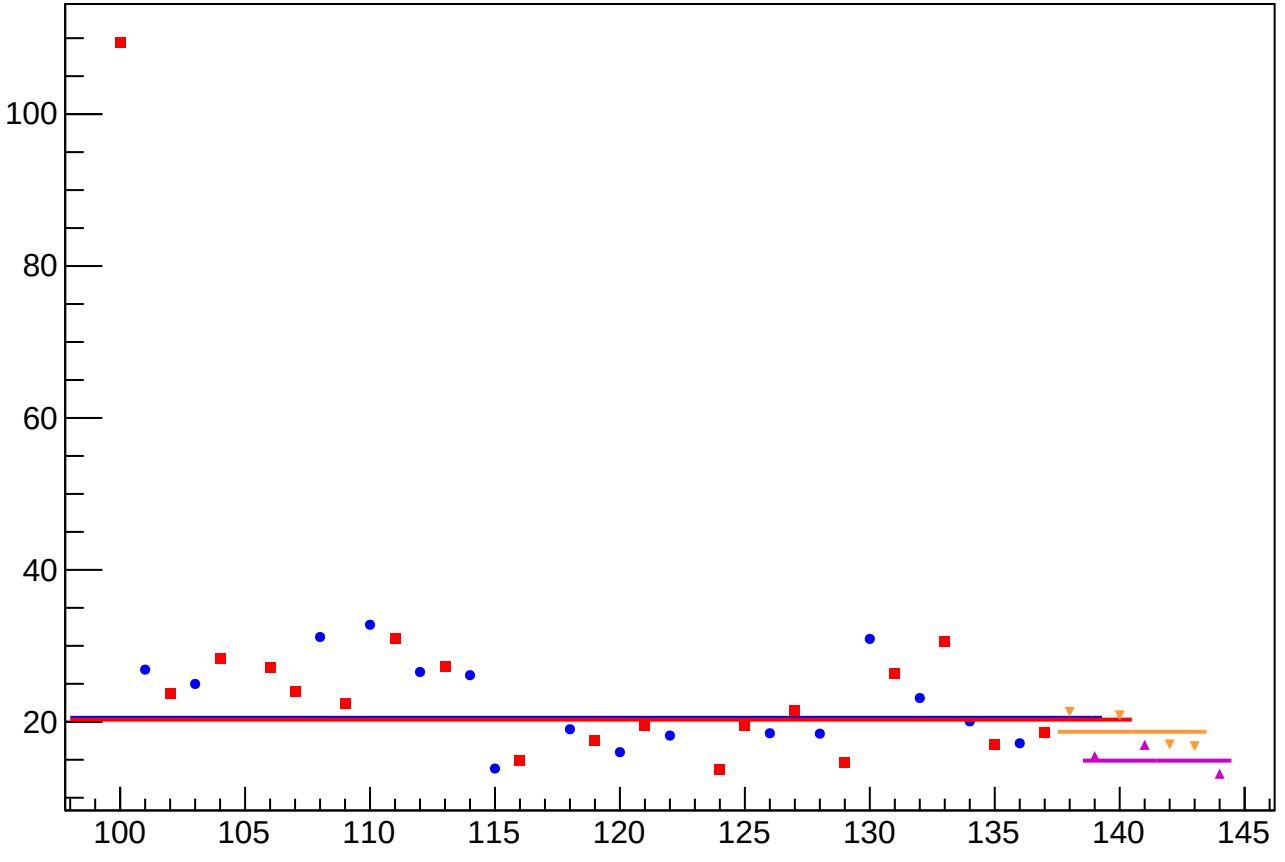
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.4/18

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.004 χ^2/NDF: 43.6/41

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: 18.688+/-0.008 χ^2/NDF:68418.0/3

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 14.885+/-0.007 χ^2/NDF:57058.1/2

Left: 16.443+/-0.005 χ^2/NDF: 258739.3/6

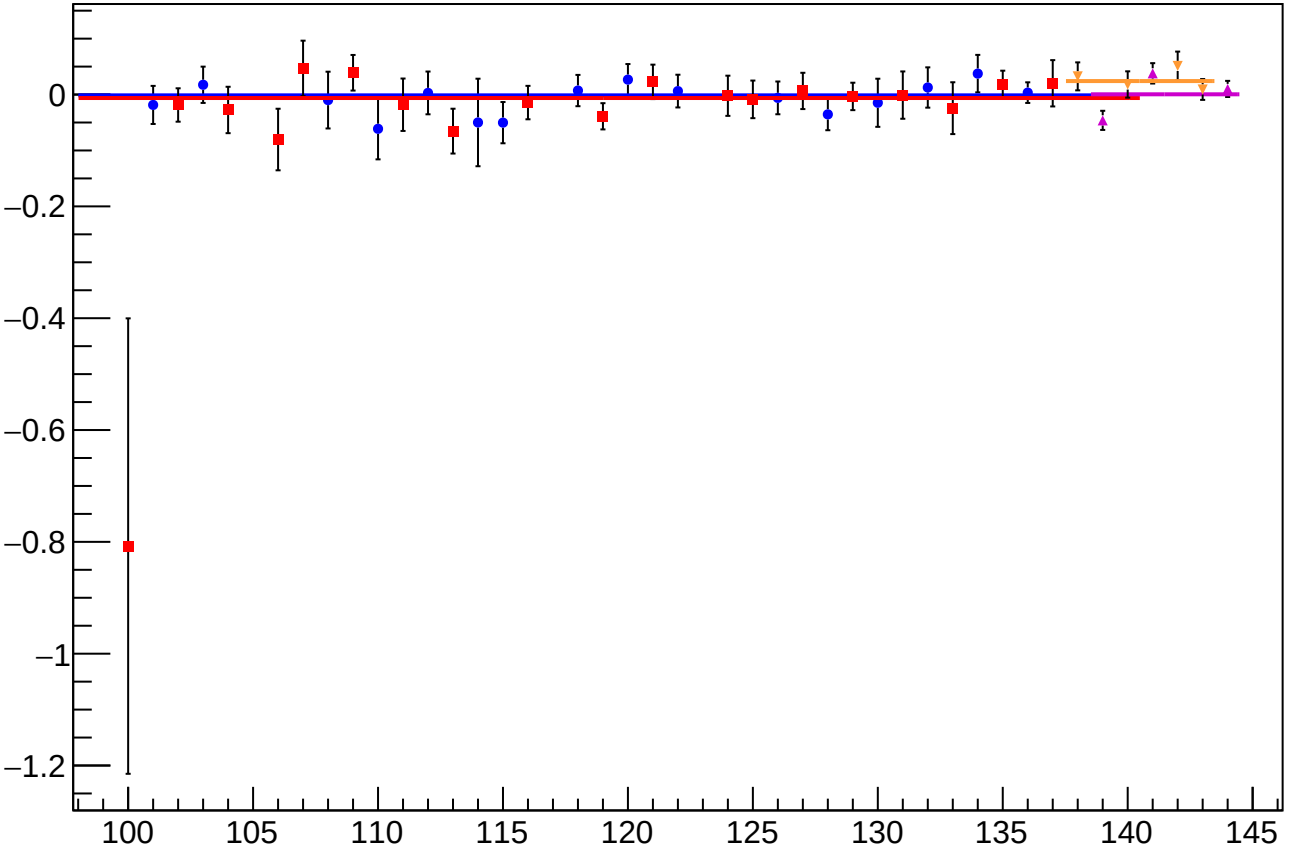
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.142+/-0.004 χ^2/NDF:1176036.3/18

Out: 19.761+/-0.005 χ^2/NDF:959452.8/22

All: 18.907+/-0.003 χ^2/NDF: 2201568.8/41

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.009 χ^2/NDF:12.1/2

Left: 0.010+/-0.007 χ^2/NDF: 16.6/6

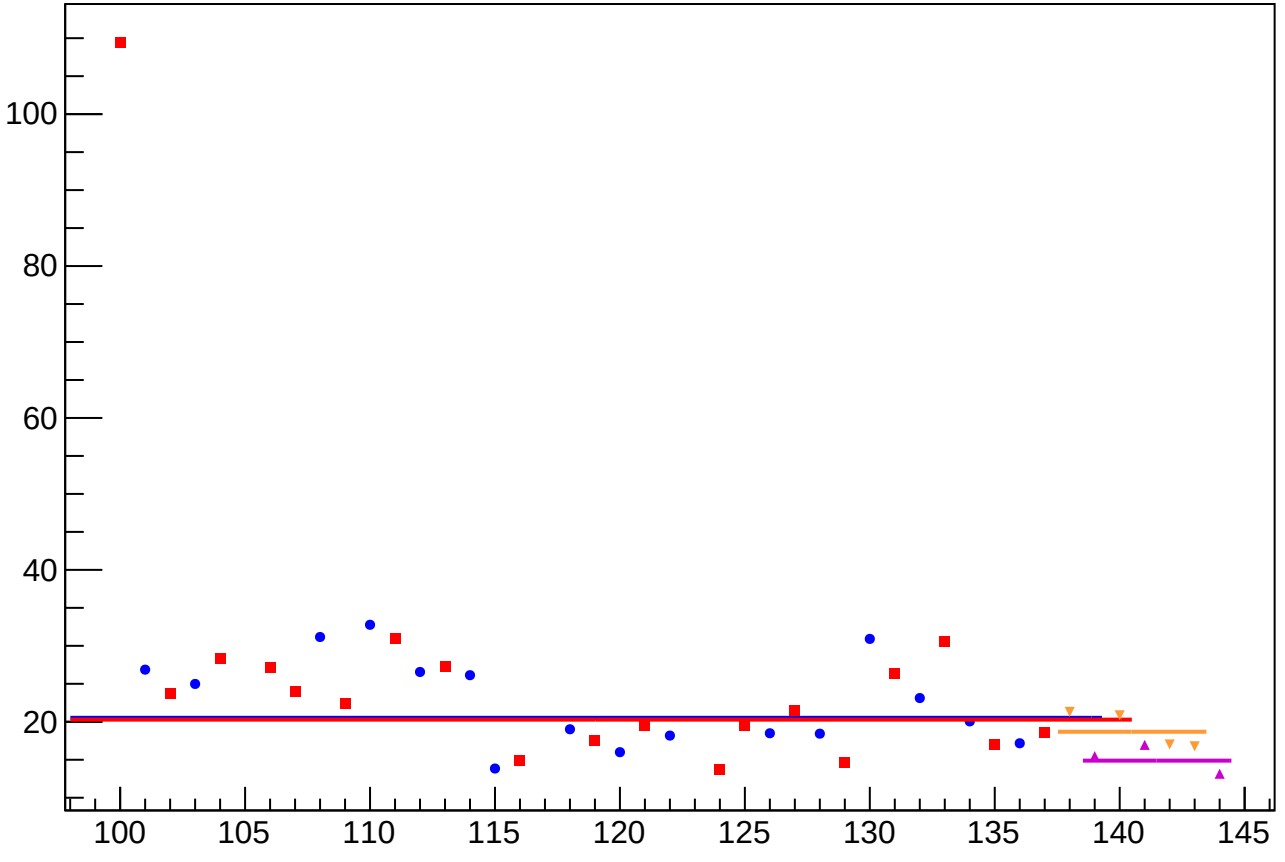
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.4/18

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.004 χ^2/NDF: 43.6/41

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: 18.688+/-0.008 χ^2/NDF:68418.0/3

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 14.885+/-0.007 χ^2/NDF:57058.1/2

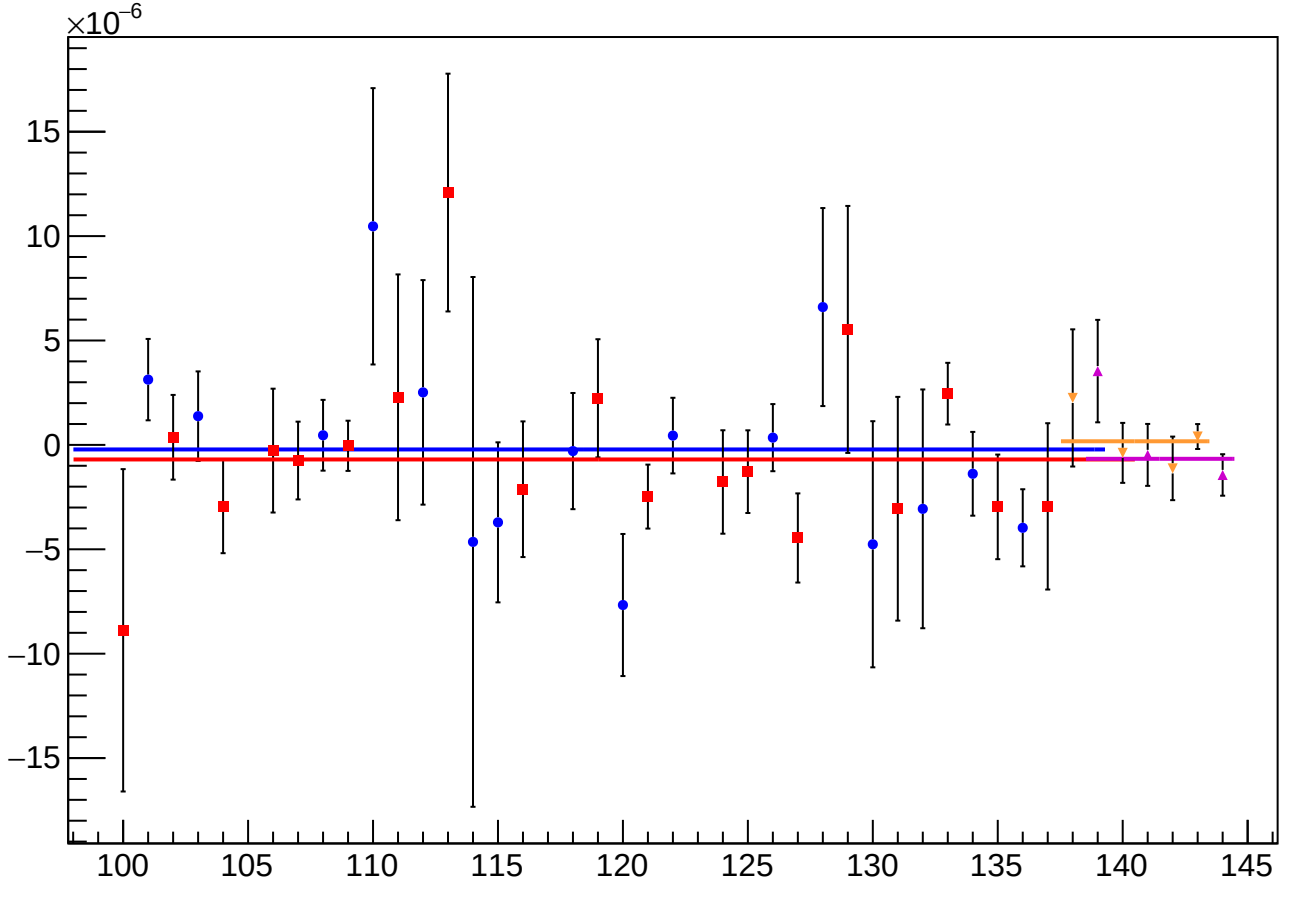
Left: 16.443+/-0.005 χ^2/NDF: 258739.3/6

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.142+/-0.004 χ^2/NDF:1176036.3/18

Out: 19.761+/-0.005 χ^2/NDF:959452.8/22

All: 18.907+/-0.003 χ^2/NDF: 2201568.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/2

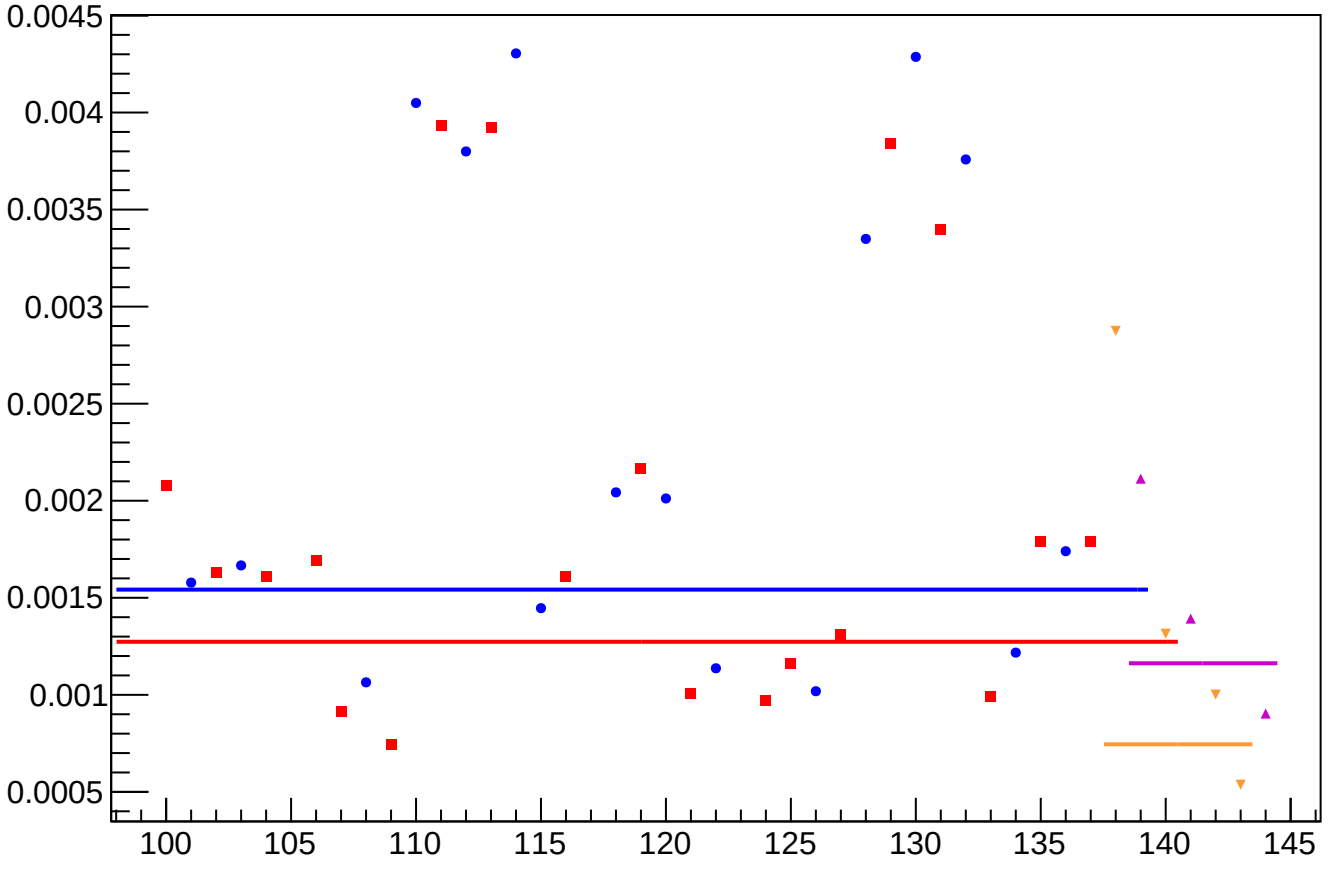
Left: -0.000+/-0.000 χ^2/NDF: 5.8/6

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:23.7/18

Out: -0.000+/-0.000 χ^2/NDF:23.8/22

All: -0.000+/-0.000 χ^2/NDF: 47.5/41



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1455317.9/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:484619.5/2

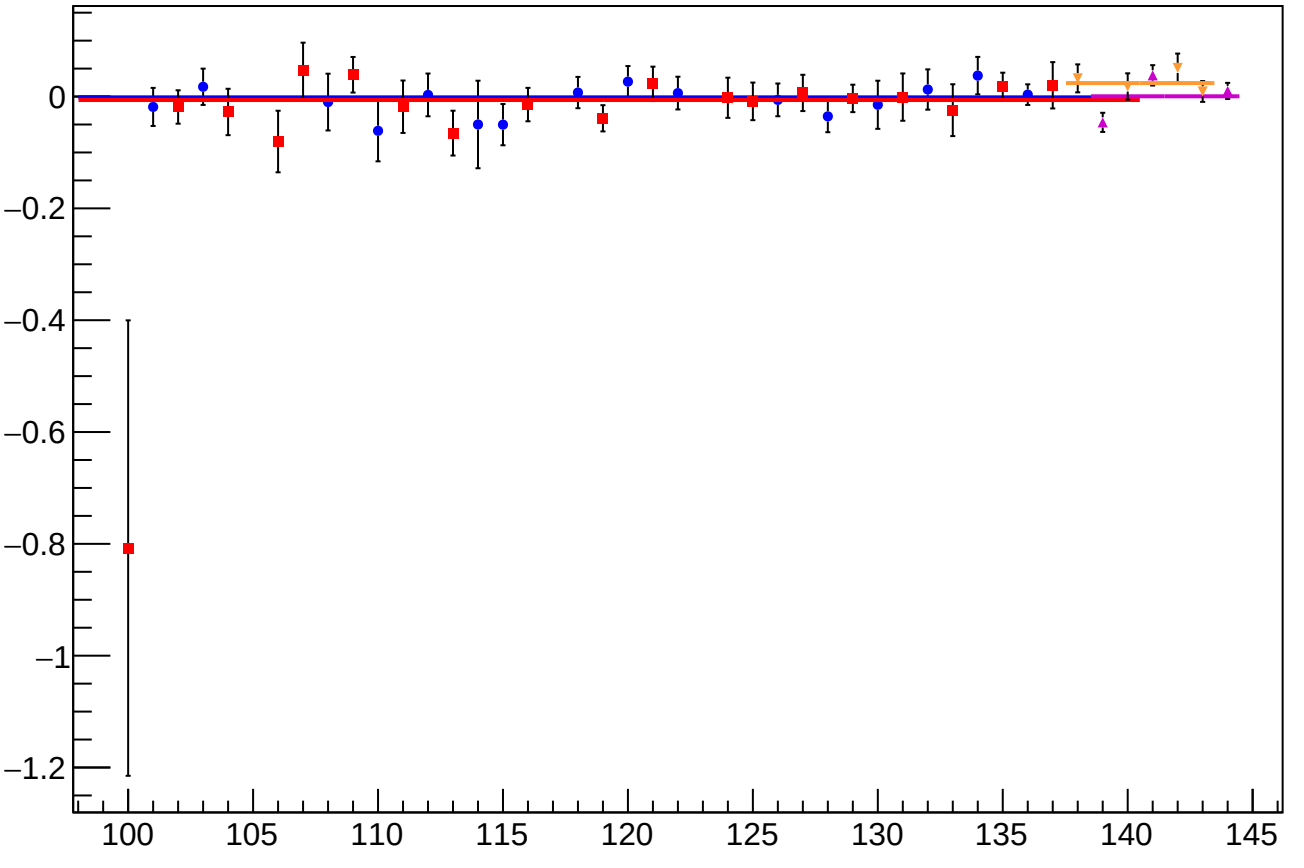
Left: 0.001+/-0.000 χ^2/NDF: 2338908.8/6

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:3186496.0/18

Out: 0.001+/-0.000 χ^2/NDF:5162516.5/22

All: 0.001+/-0.000 χ^2/NDF: 9158066.3/41



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.009 χ^2/NDF:12.1/2

Left: 0.010+/-0.007 χ^2/NDF: 16.6/6

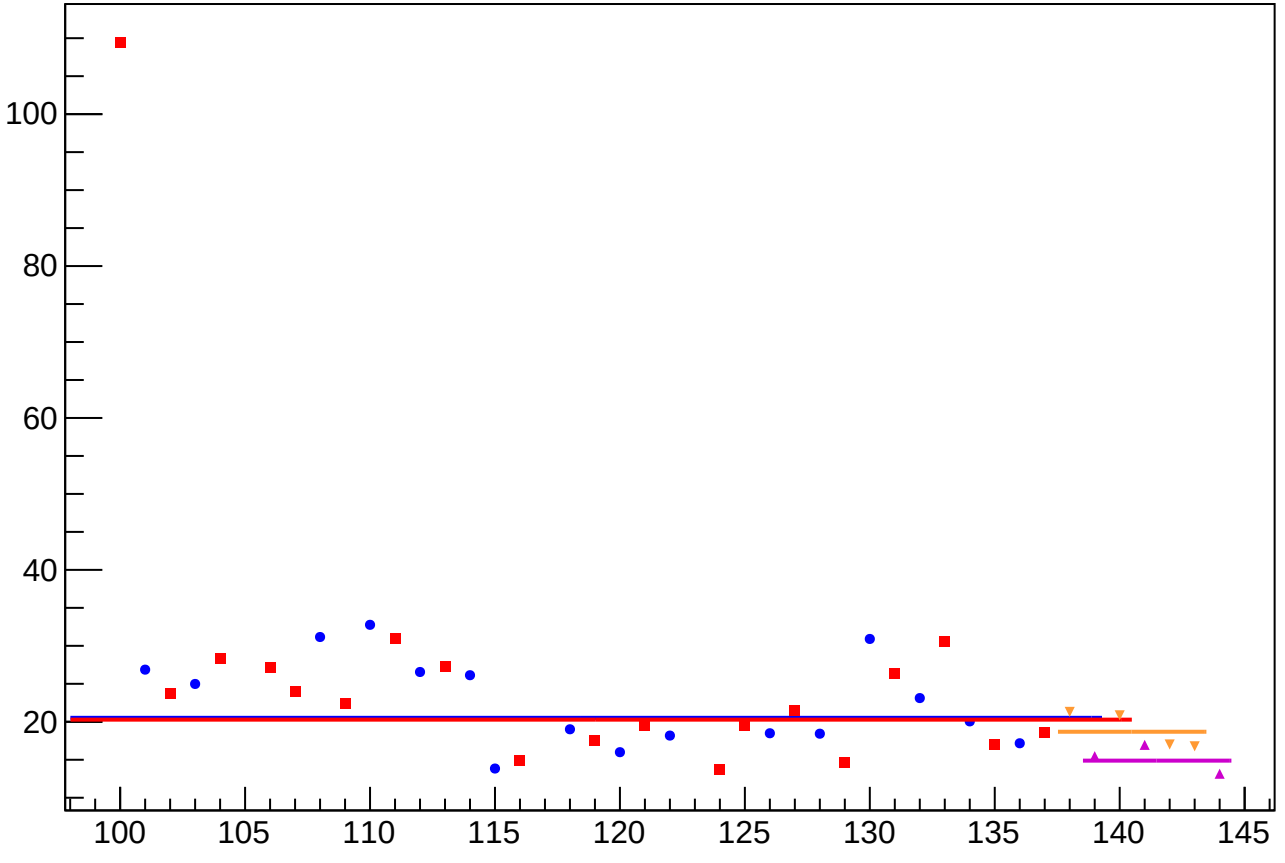
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.4/18

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.004 χ^2/NDF: 43.6/41

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: 18.688+/-0.008 χ^2/NDF:68400.7/3

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 14.885+/-0.007 χ^2/NDF:57042.6/2

Left: 16.442+/-0.005 χ^2/NDF: 258710.7/6

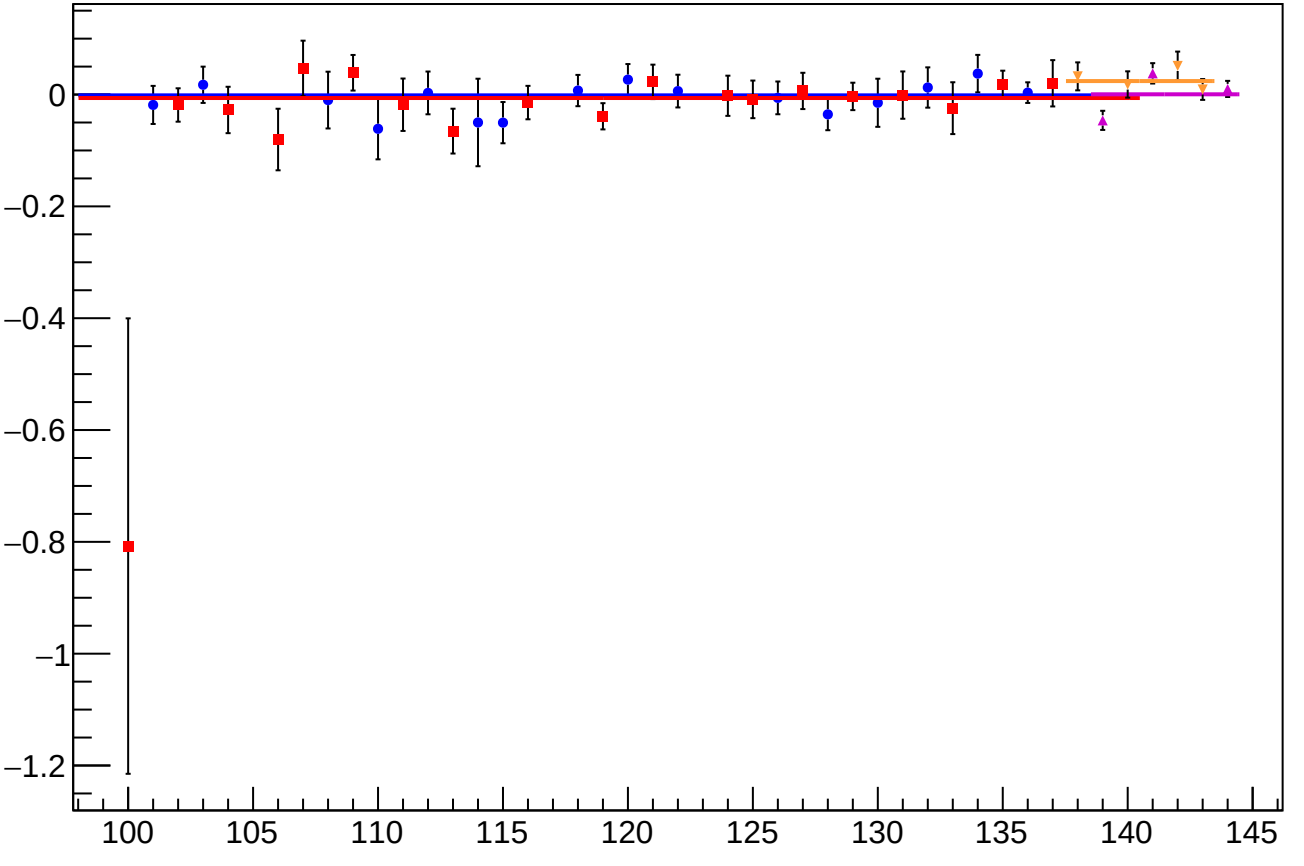
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.141+/-0.004 χ^2/NDF:1175851.1/18

Out: 19.761+/-0.005 χ^2/NDF:959424.6/22

All: 18.907+/-0.003 χ^2/NDF: 2201345.4/41

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: 0.024+/-0.011 χ^2/NDF:1.9/3

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.009 χ^2/NDF:12.1/2

Left: 0.010+/-0.007 χ^2/NDF: 16.6/6

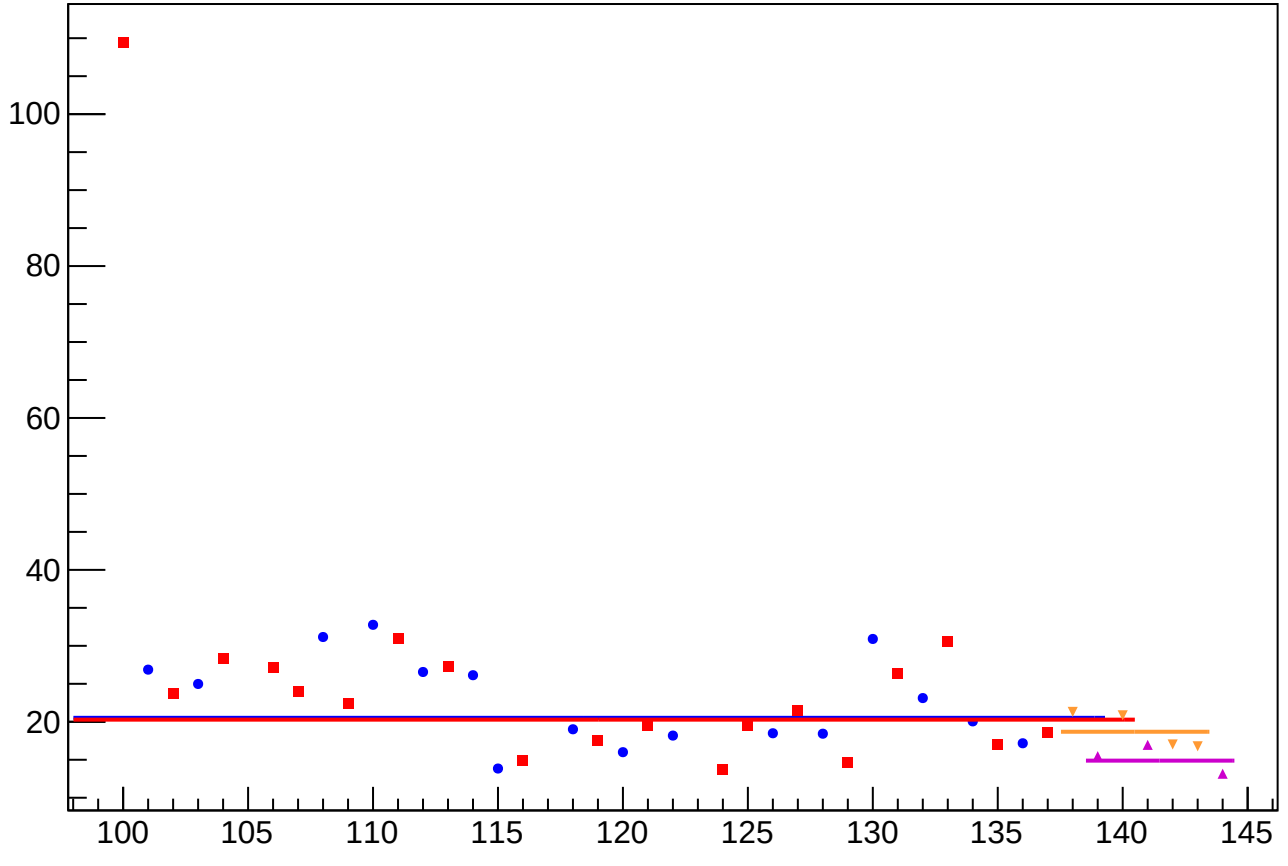
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.4/18

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.004 χ^2/NDF: 43.6/41

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: 18.688+/-0.008 χ^2/NDF:68400.7/3

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 14.885+/-0.007 χ^2/NDF:57042.6/2

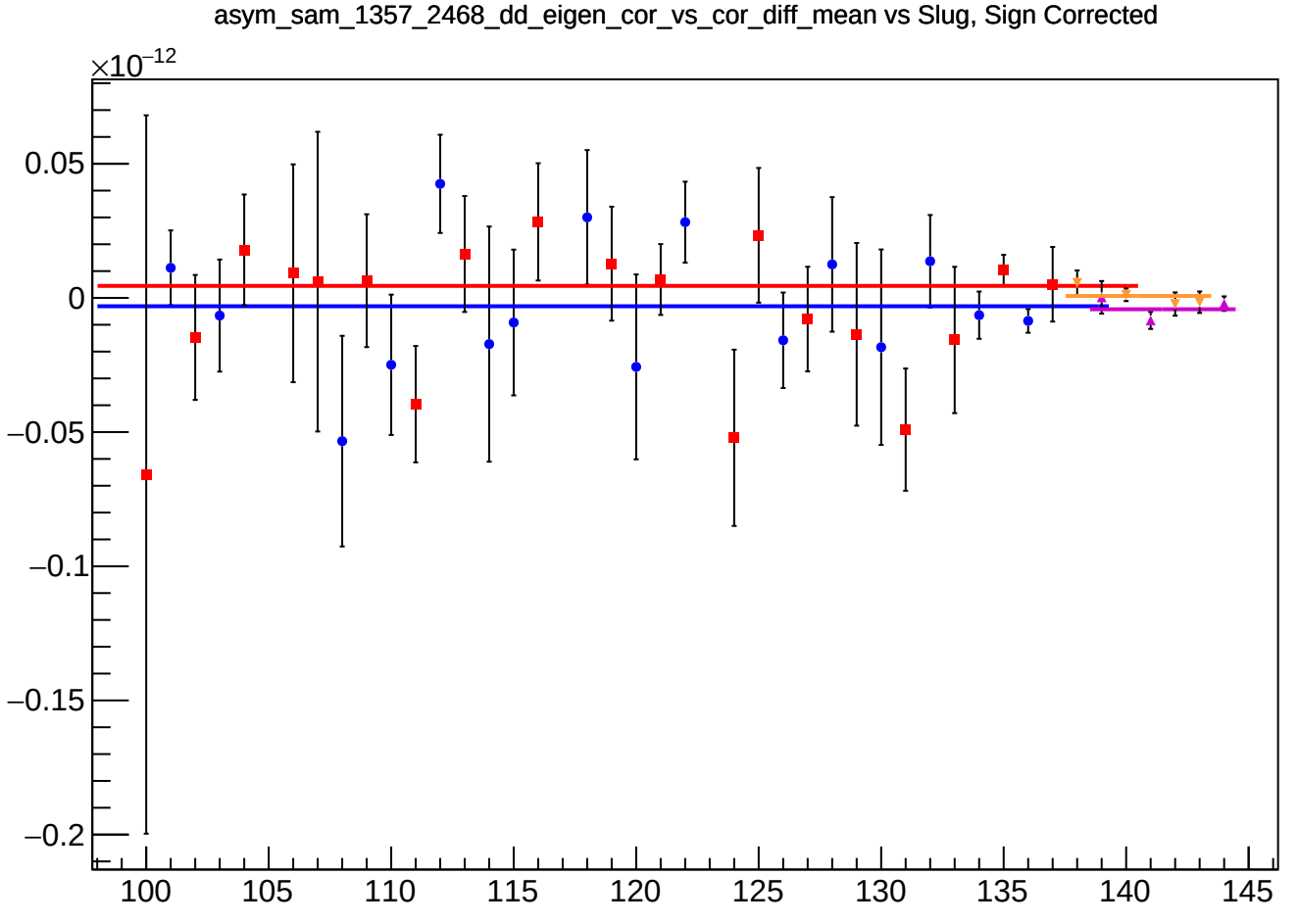
Left: 16.442+/-0.005 χ^2/NDF: 258710.7/6

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.141+/-0.004 χ^2/NDF:1175851.1/18

Out: 19.761+/-0.005 χ^2/NDF:959424.6/22

All: 18.907+/-0.003 χ^2/NDF: 2201345.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/2

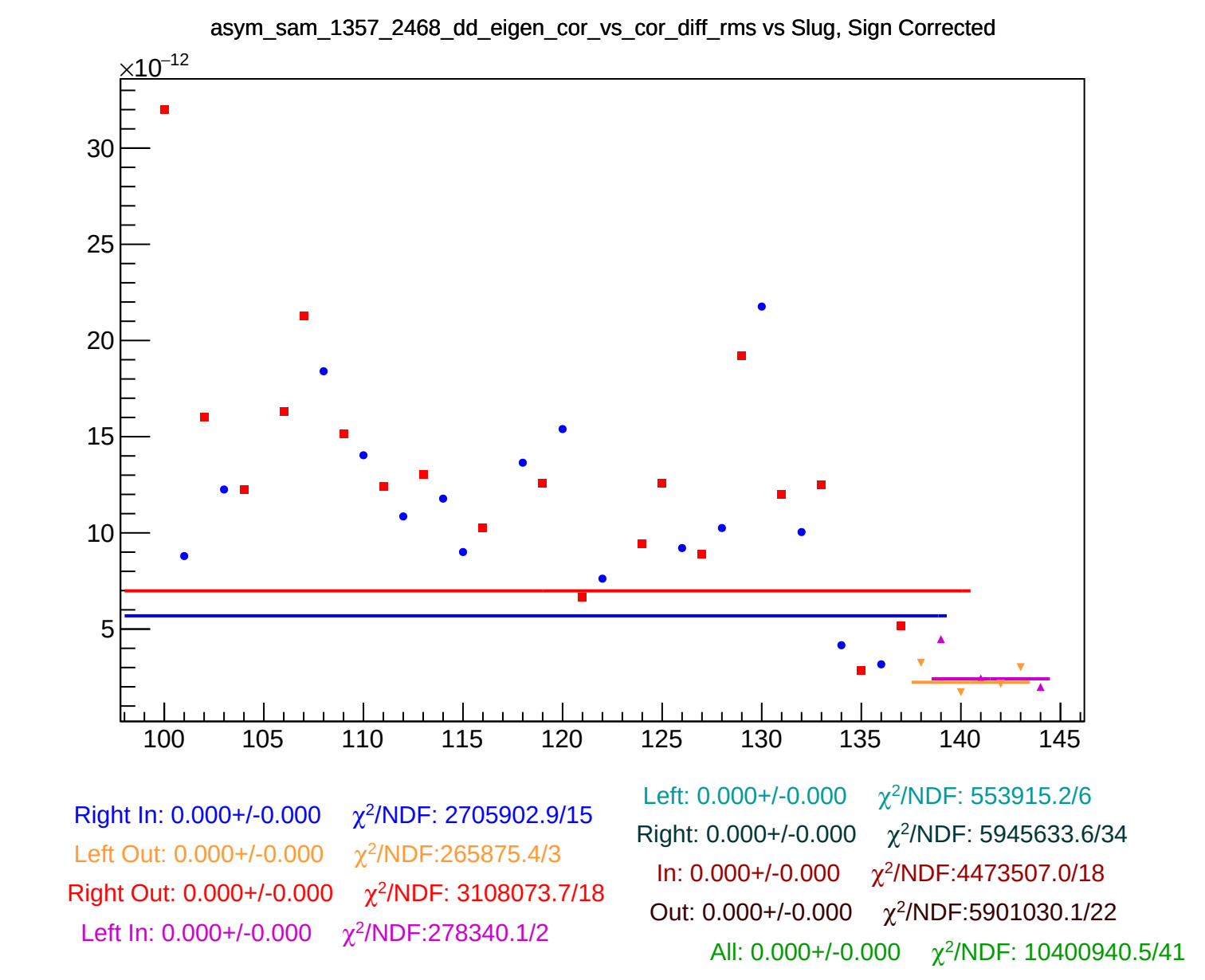
Left: -0.000+/-0.000 χ^2/NDF: 8.4/6

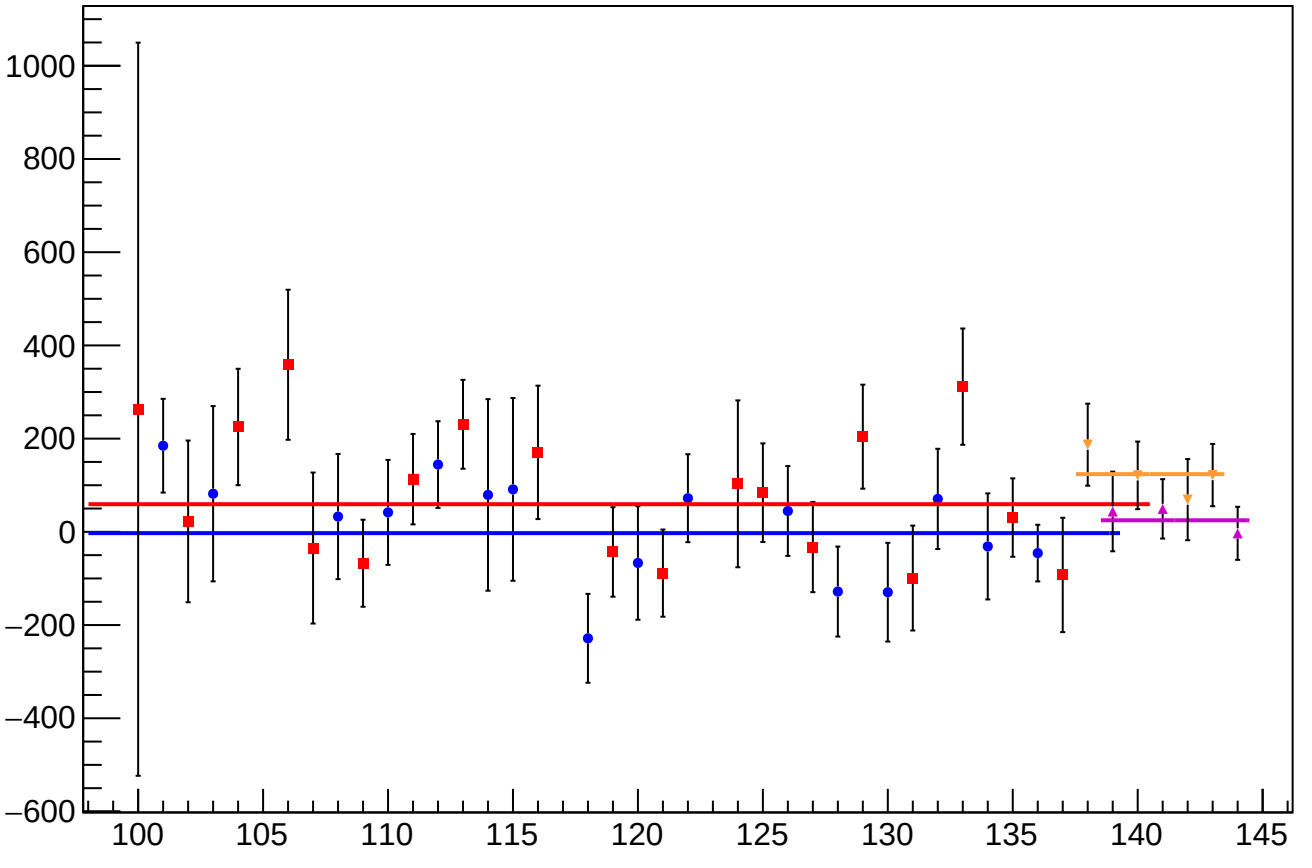
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:22.9/18

Out: 0.000+/-0.000 χ^2/NDF:21.4/22

All: -0.000+/-0.000 χ^2/NDF: 49.5/41


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:265875.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:278340.1/2
Left: 0.000+/-0.000 χ²/NDF: 553915.2/6
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:4473507.0/18
Out: 0.000+/-0.000 χ²/NDF:5901030.1/22
All: 0.000+/-0.000 χ²/NDF: 10400940.5/41



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.793+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 24.783+/-38.007 χ^2/NDF:0.4/2

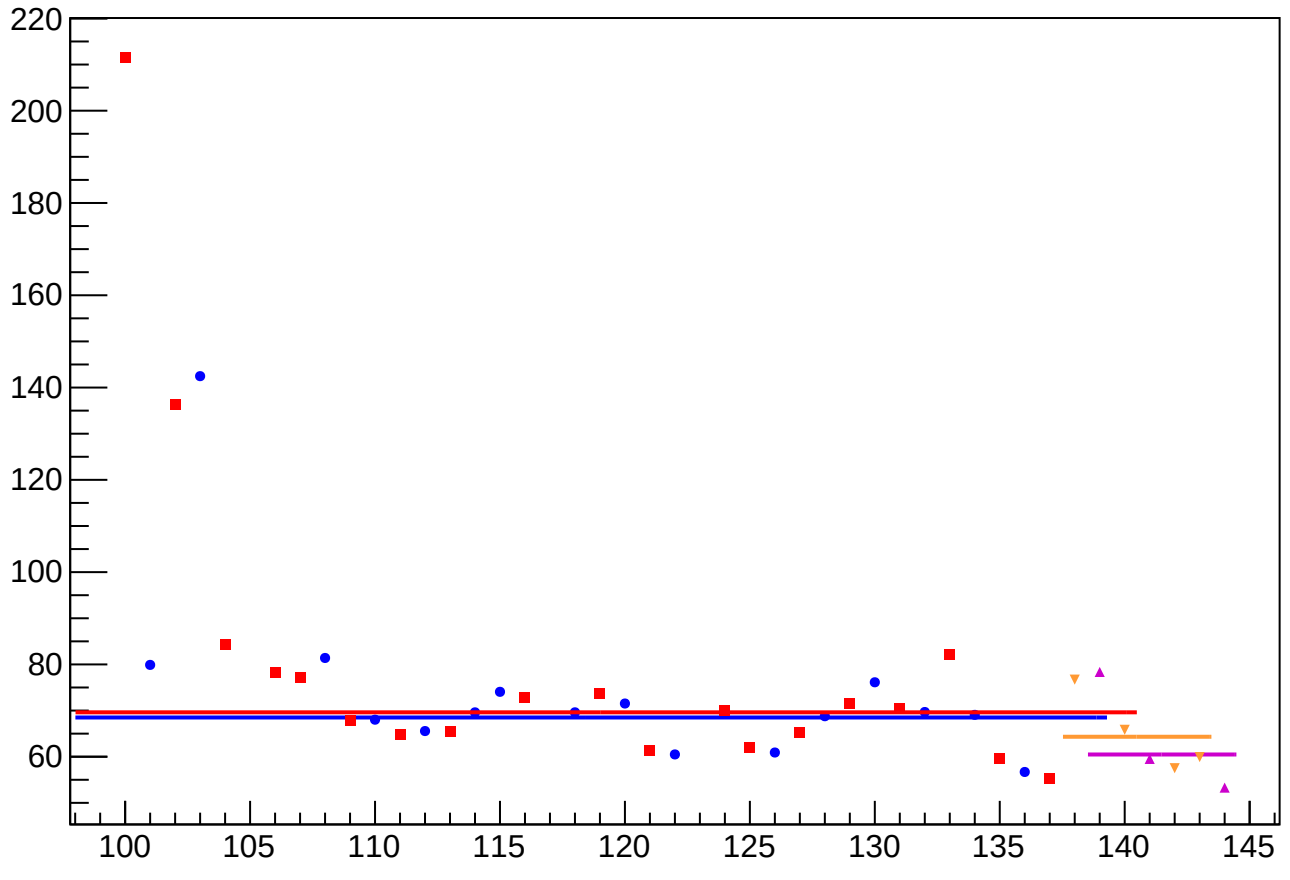
Left: 73.669+/-27.043 χ^2/NDF: 4.7/6

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 6.114+/-21.579 χ^2/NDF:18.5/18

Out: 79.951+/-21.760 χ^2/NDF:28.5/22

All: 42.723+/-15.322 χ^2/NDF: 52.8/41



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

Left: 62.379+/-0.019 χ^2/NDF: 191503.8/6

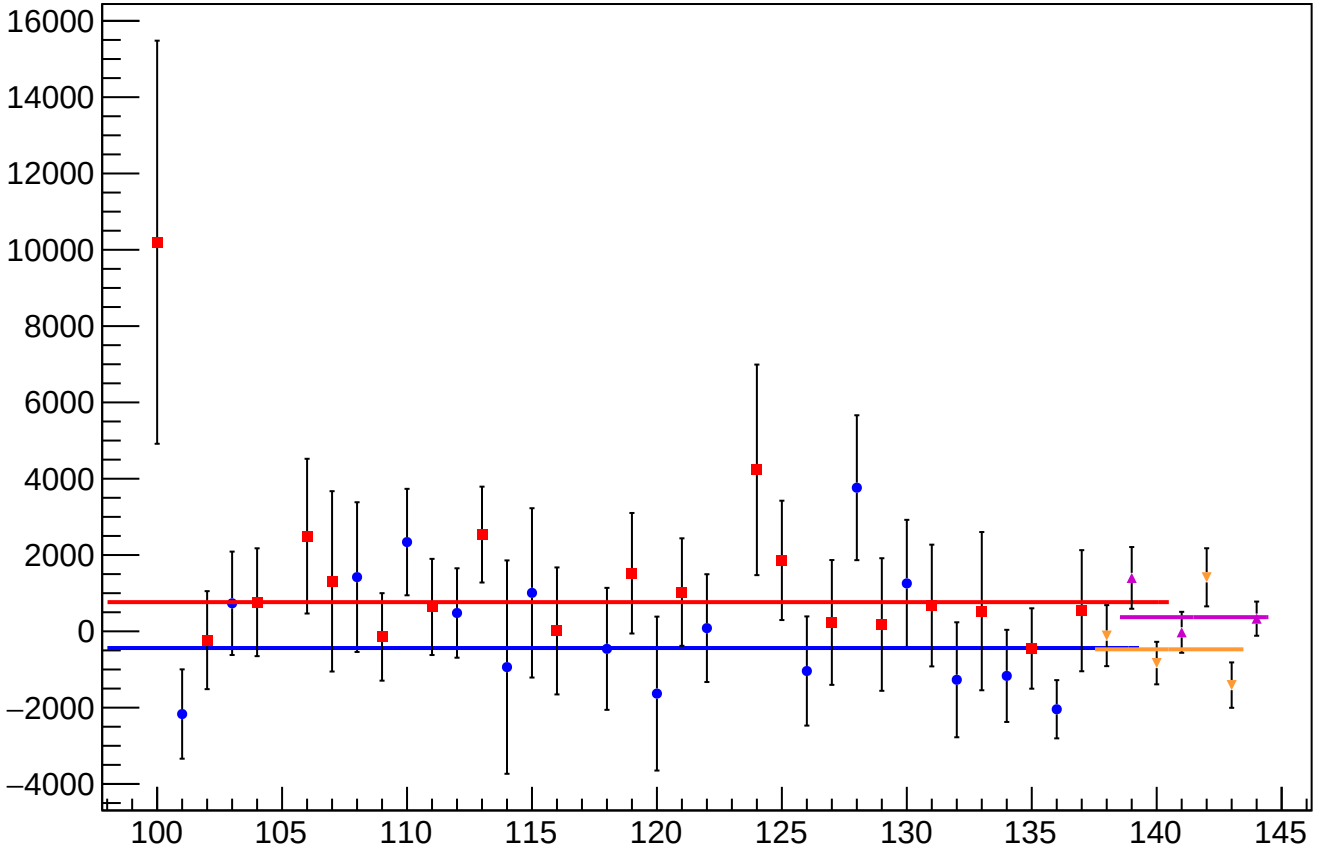
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 65.914+/-0.015 χ^2/NDF:652186.0/18

Out: 67.927+/-0.015 χ^2/NDF:607541.7/22

All: 66.912+/-0.011 χ^2/NDF: 1268357.2/41

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: -471.198+/-327.282 χ^2/NDF:9.2/3

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 371.099+/-316.412 χ^2/NDF:2.2/2

Left: -35.830+/-227.483 χ^2/NDF: 14.8/6

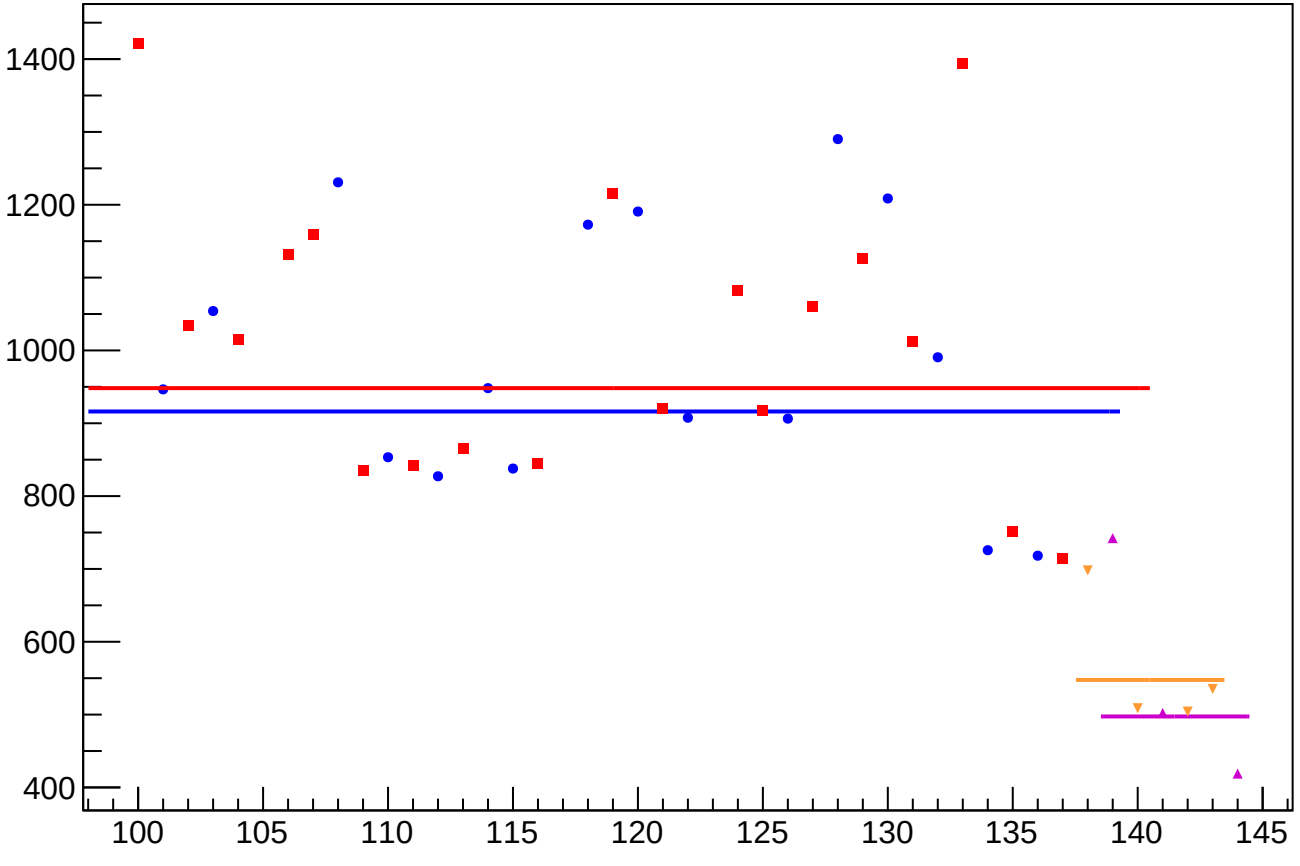
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 6.192+/-234.377 χ^2/NDF:25.7/18

Out: 100.300+/-240.017 χ^2/NDF:27.2/22

All: 52.127+/-167.688 χ^2/NDF: 52.9/41

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: 547.591+/-0.231 χ^2/NDF:87869.1/3

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 497.441+/-0.224 χ^2/NDF:244656.4/2

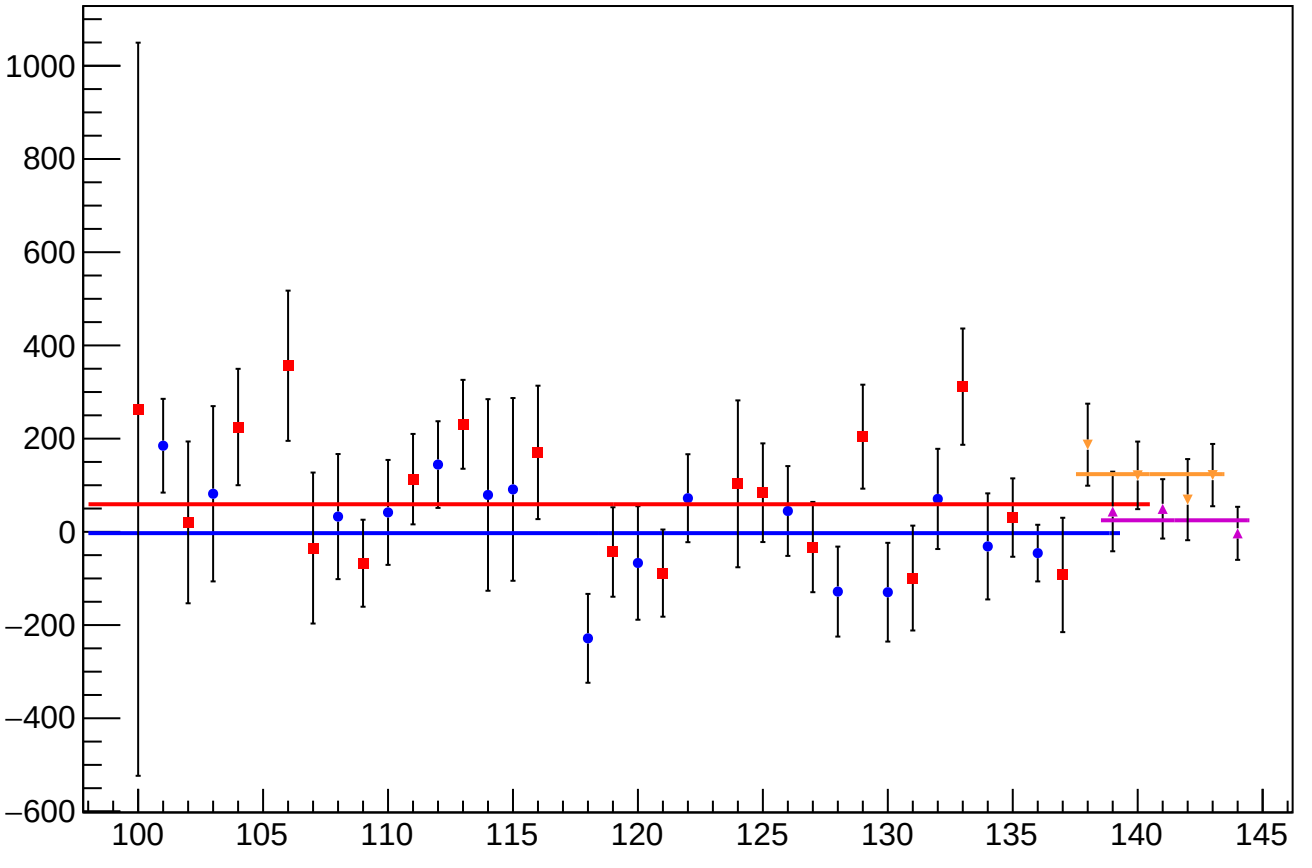
Left: 521.670+/-0.161 χ^2/NDF: 356798.4/6

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 686.420+/-0.166 χ^2/NDF:2334556.1/18

Out: 732.759+/-0.170 χ^2/NDF:1888254.9/22

All: 709.038+/-0.119 χ^2/NDF: 4260972.3/41



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 24.787+/-38.007 χ^2/NDF:0.4/2

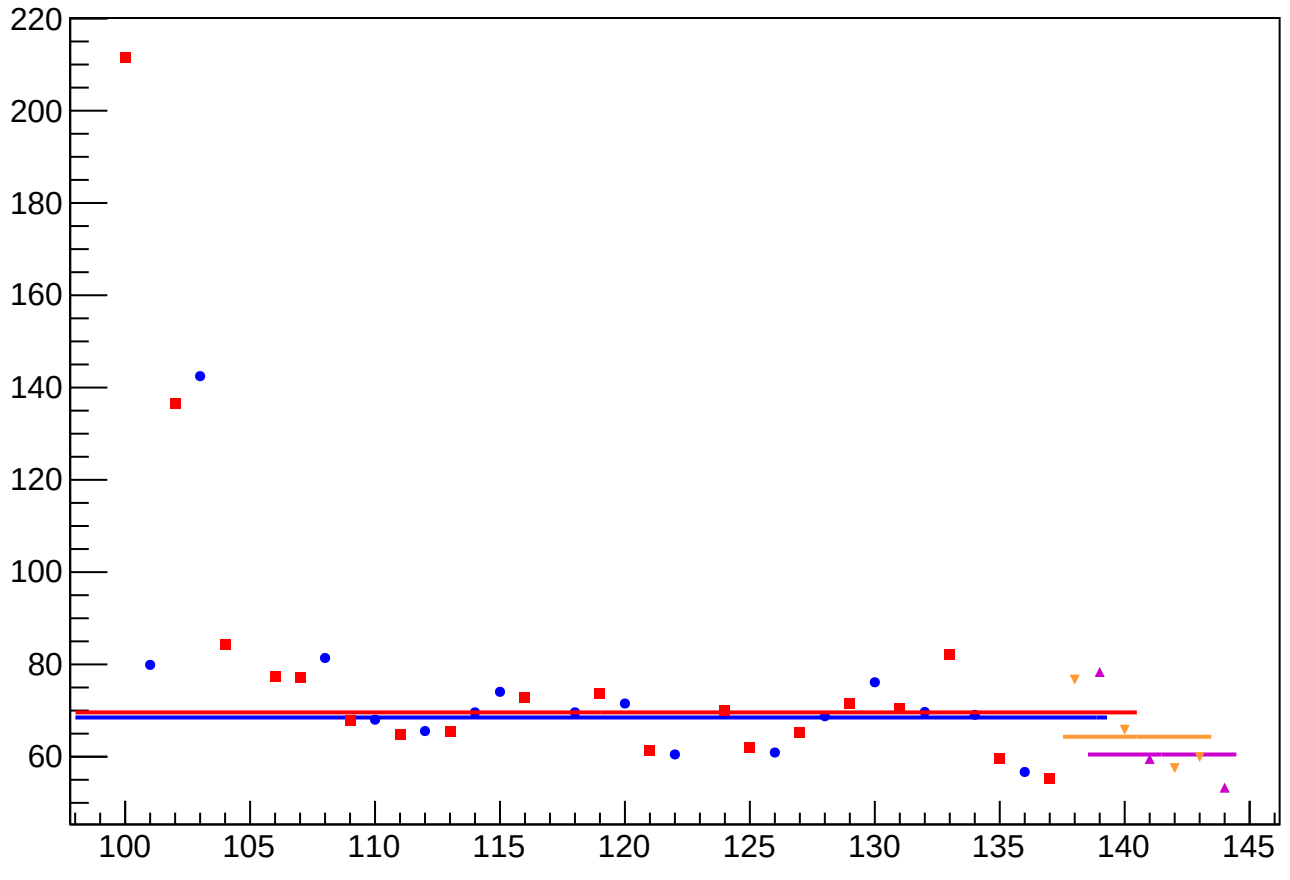
Left: 73.675+/-27.043 χ^2/NDF: 4.7/6

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 6.111+/-21.579 χ^2/NDF:18.5/18

Out: 79.871+/-21.761 χ^2/NDF:28.5/22

All: 42.681+/-15.322 χ^2/NDF: 52.8/41



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

Left: 62.379+/-0.019 χ^2/NDF: 191503.8/6

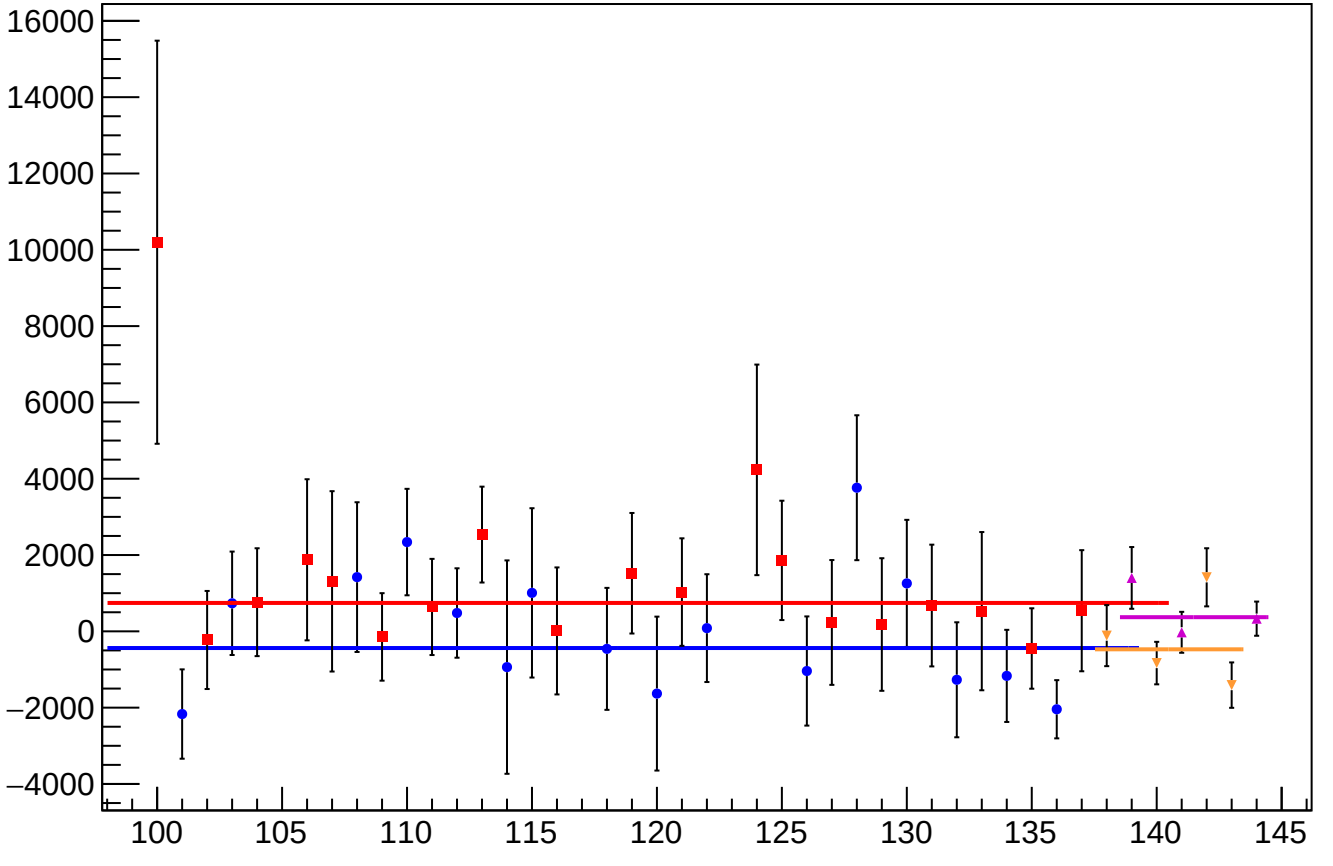
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.914+/-0.015 χ^2/NDF:652189.1/18

Out: 67.914+/-0.015 χ^2/NDF:606739.1/22

All: 66.906+/-0.011 χ^2/NDF: 1267444.7/41

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: -471.187+/-327.281 χ^2/NDF:9.2/3

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 371.107+/-316.412 χ^2/NDF:2.2/2

Left: -35.821+/-227.483 χ^2/NDF: 14.8/6

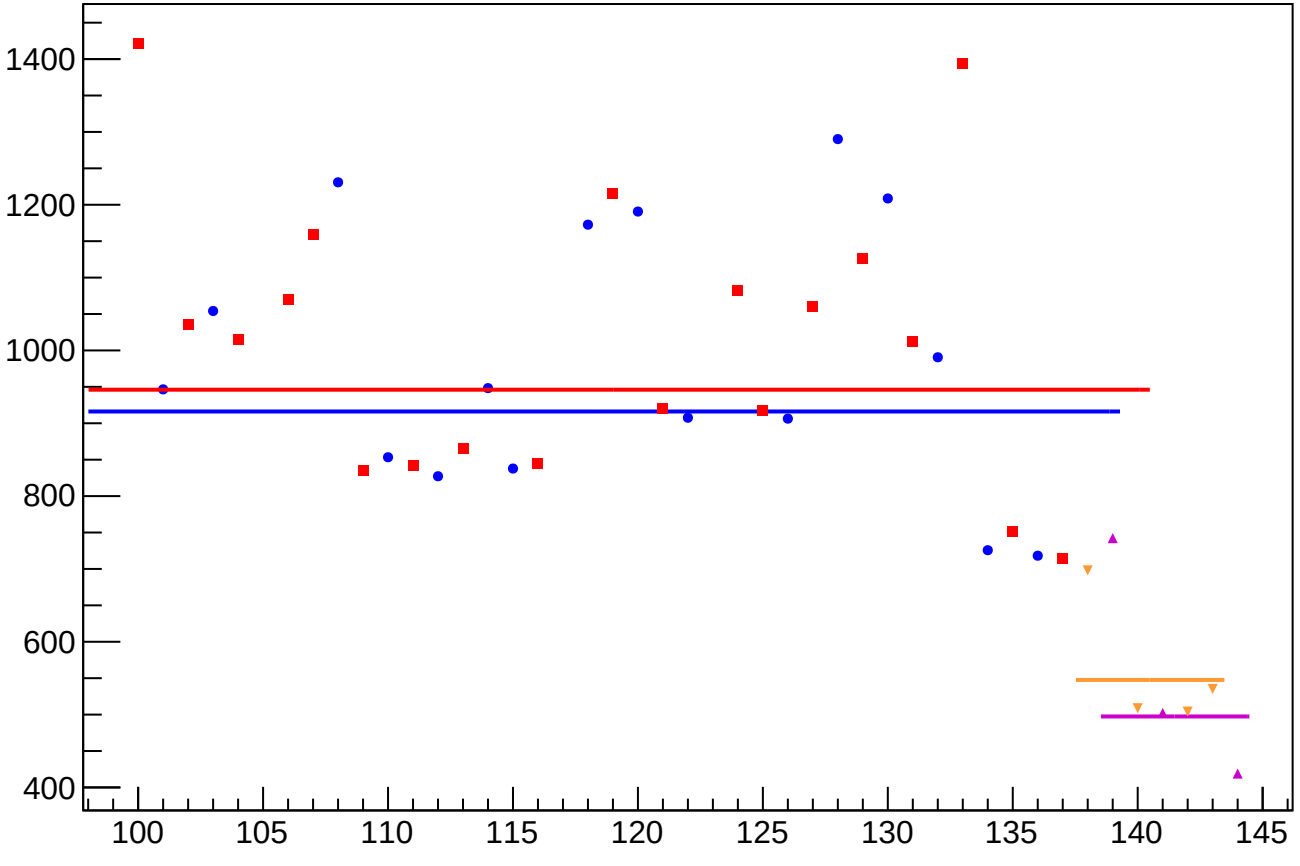
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 6.212+/-234.378 χ^2/NDF:25.7/18

Out: 89.876+/-240.154 χ^2/NDF:26.5/22

All: 47.026+/-167.735 χ^2/NDF: 52.2/41

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: 547.591+/-0.231 χ^2/NDF:87869.2/3

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 497.442+/-0.224 χ^2/NDF:244655.7/2

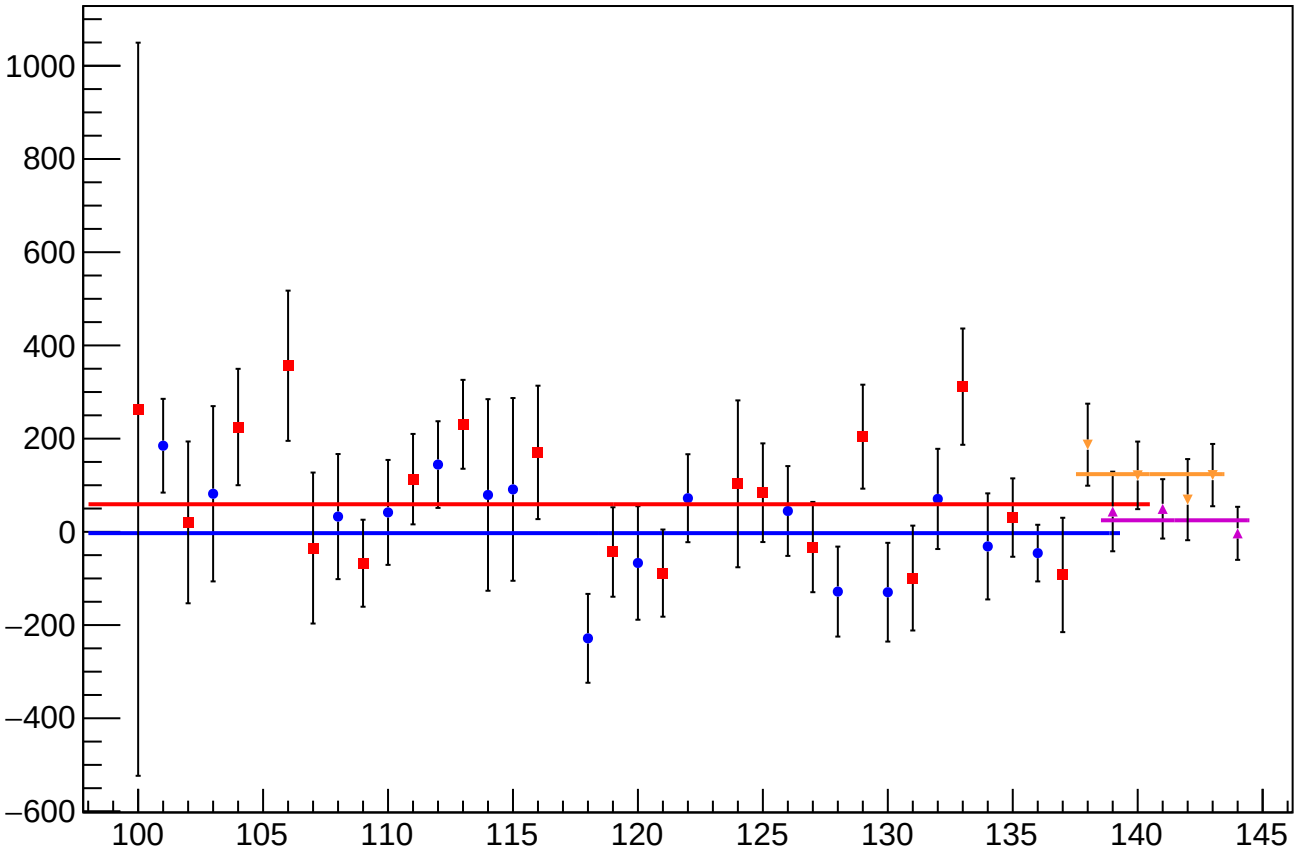
Left: 521.670+/-0.161 χ^2/NDF: 356797.0/6

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 686.420+/-0.166 χ^2/NDF:2334594.6/18

Out: 731.524+/-0.170 χ^2/NDF:1861883.1/22

All: 708.423+/-0.119 χ^2/NDF: 4232609.1/41



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 24.787+/-38.007 χ^2/NDF:0.4/2

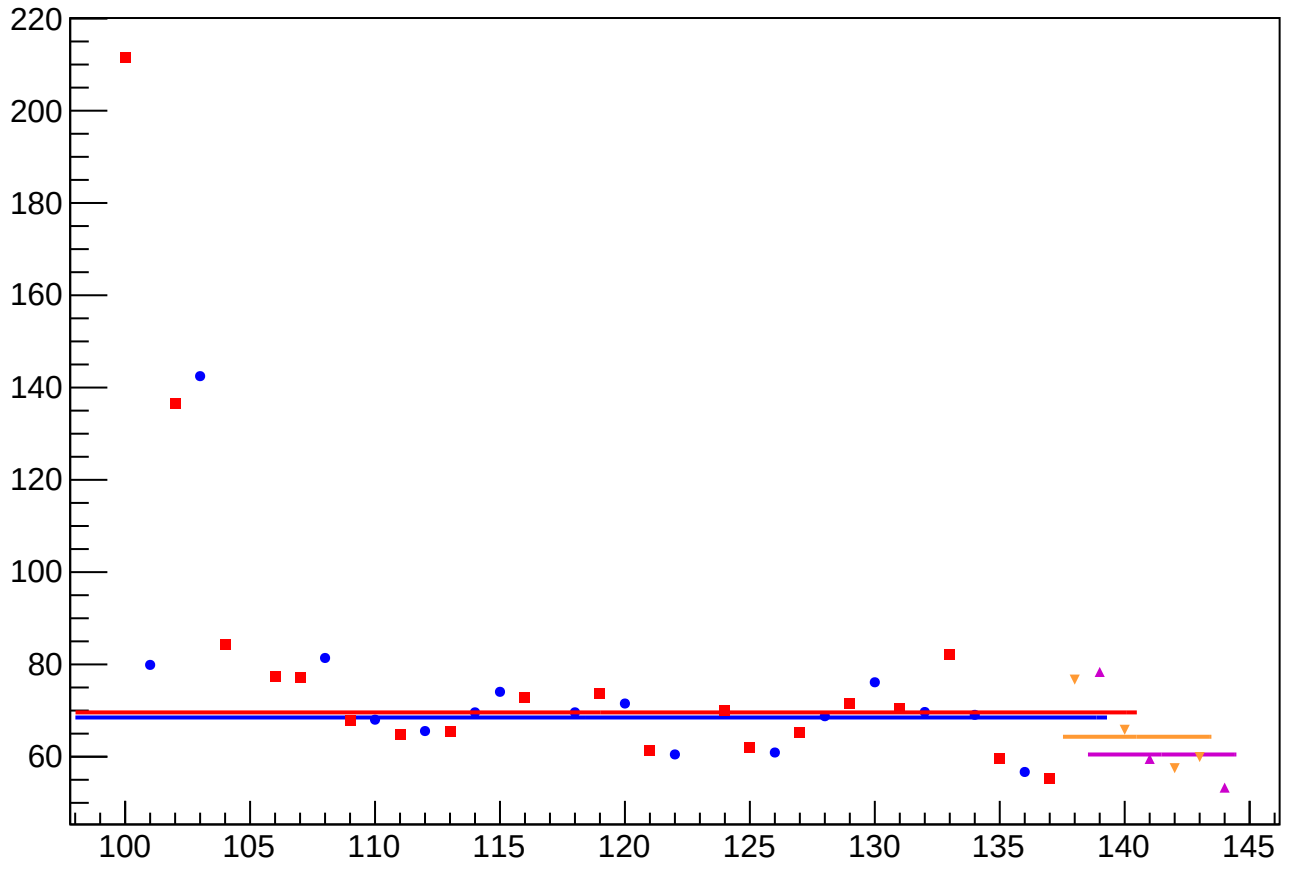
Left: 73.675+/-27.043 χ^2/NDF: 4.7/6

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 6.111+/-21.579 χ^2/NDF:18.5/18

Out: 79.871+/-21.761 χ^2/NDF:28.5/22

All: 42.681+/-15.322 χ^2/NDF: 52.8/41



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.481+/-0.027 χ^2/NDF:120009.7/2

Left: 62.379+/-0.019 χ^2/NDF: 191503.8/6

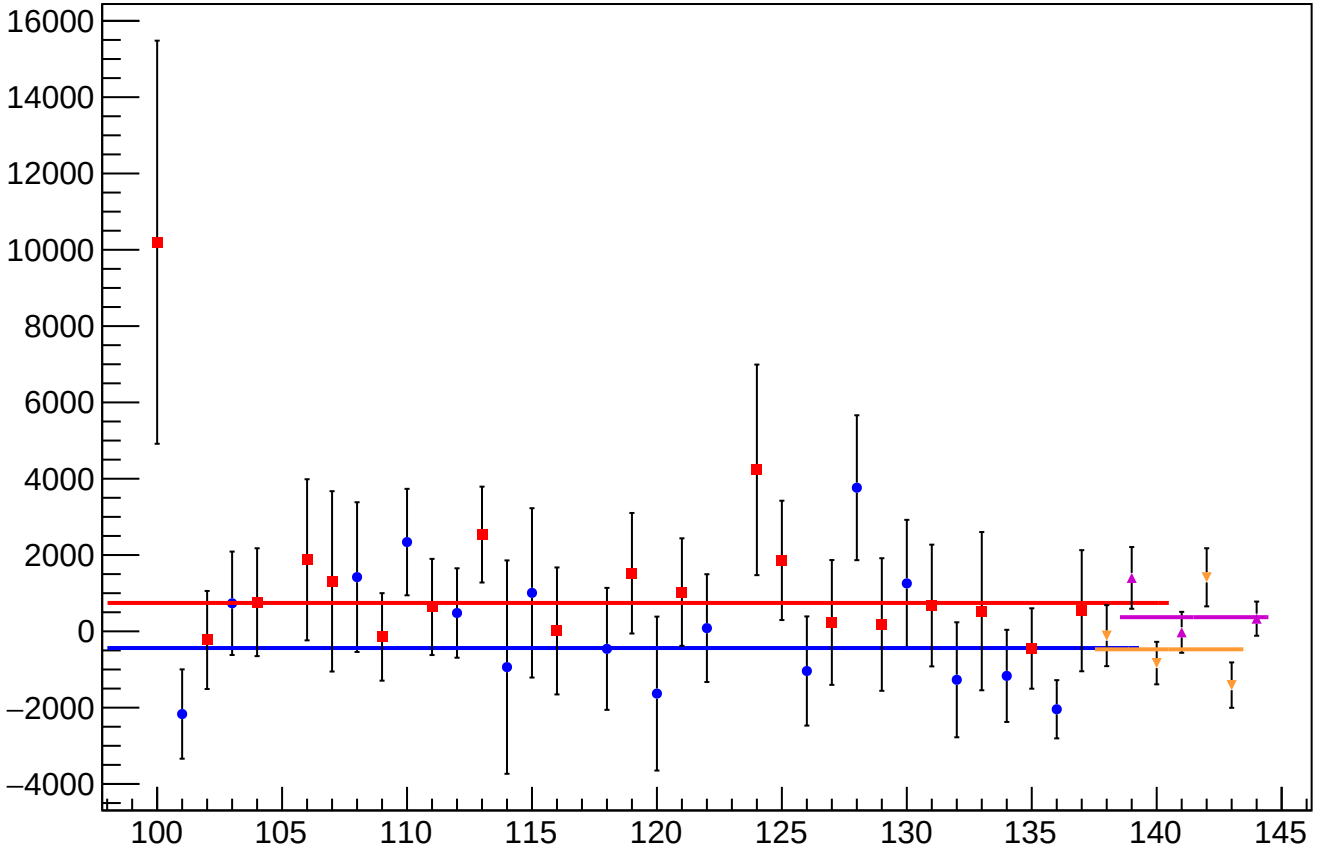
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.914+/-0.015 χ^2/NDF:652189.1/18

Out: 67.914+/-0.015 χ^2/NDF:606739.1/22

All: 66.906+/-0.011 χ^2/NDF: 1267444.7/41

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: -471.187+/-327.281 χ^2/NDF:9.2/3

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 371.107+/-316.412 χ^2/NDF:2.2/2

Left: -35.821+/-227.483 χ^2/NDF: 14.8/6

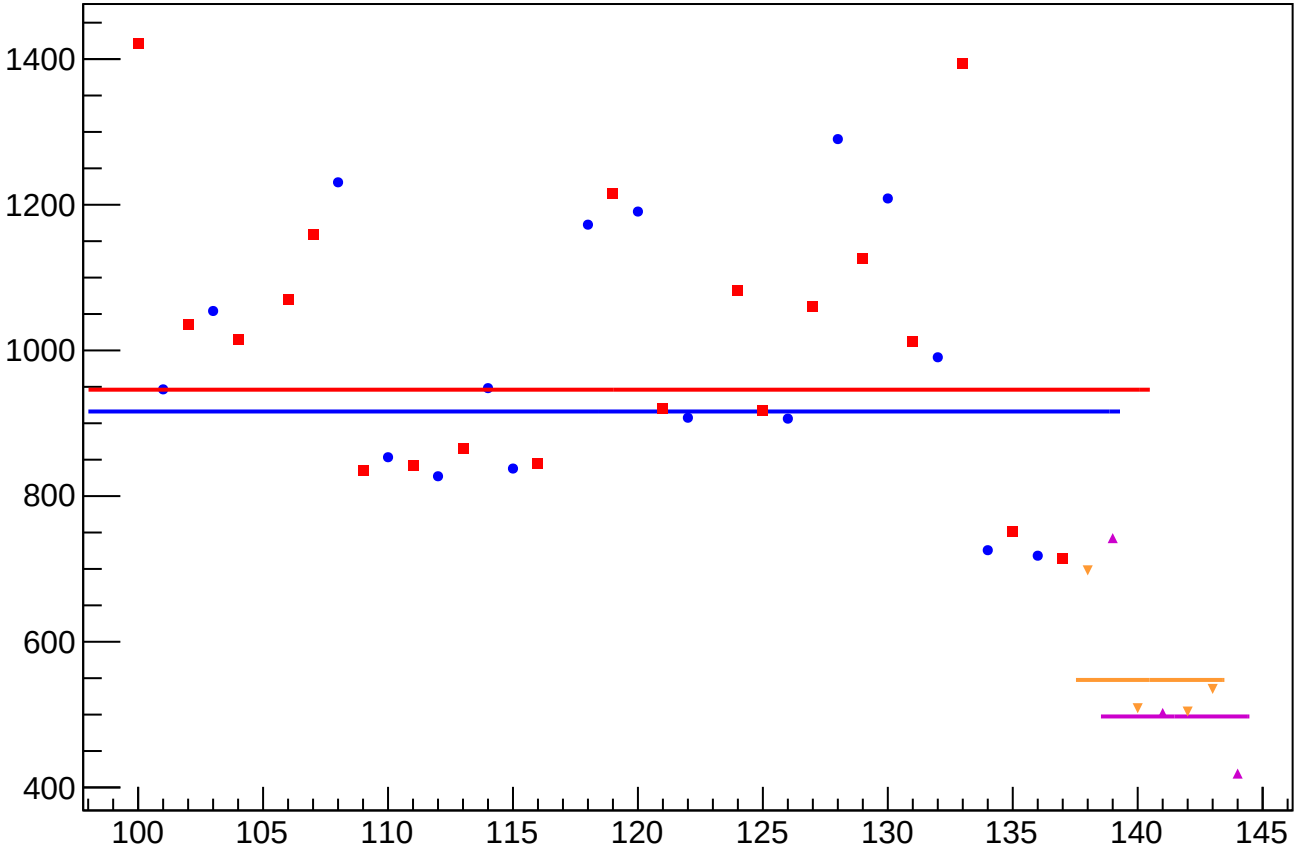
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 6.212+/-234.378 χ^2/NDF:25.7/18

Out: 89.876+/-240.154 χ^2/NDF:26.5/22

All: 47.026+/-167.735 χ^2/NDF: 52.2/41

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: 547.591+/-0.231 χ^2/NDF:87869.2/3

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 497.442+/-0.224 χ^2/NDF:244655.7/2

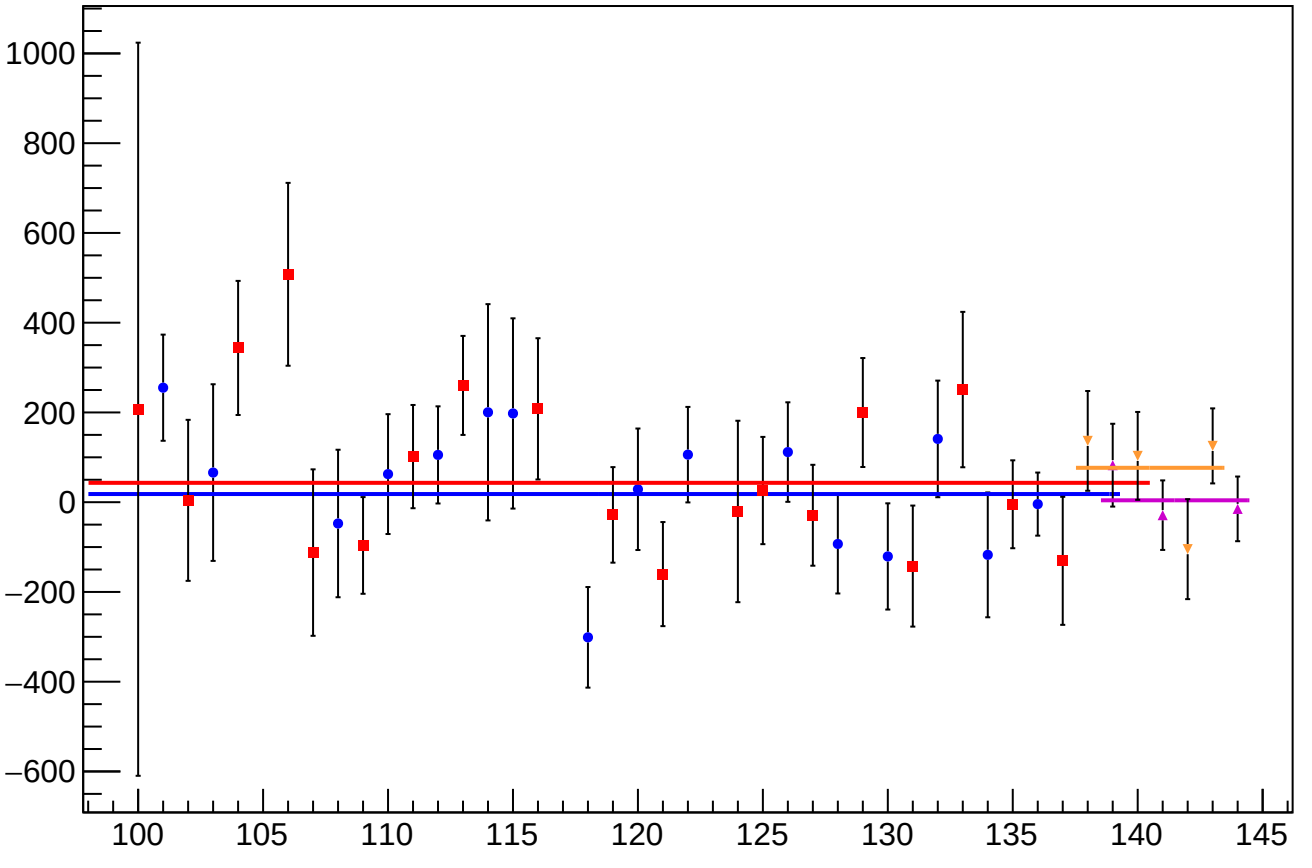
Left: 521.670+/-0.161 χ^2/NDF: 356797.0/6

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 686.420+/-0.166 χ^2/NDF:2334594.6/18

Out: 731.524+/-0.170 χ^2/NDF:1861883.1/22

All: 708.423+/-0.119 χ^2/NDF: 4232609.1/41



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 4.206+/-45.800 χ^2/NDF:1.0/2

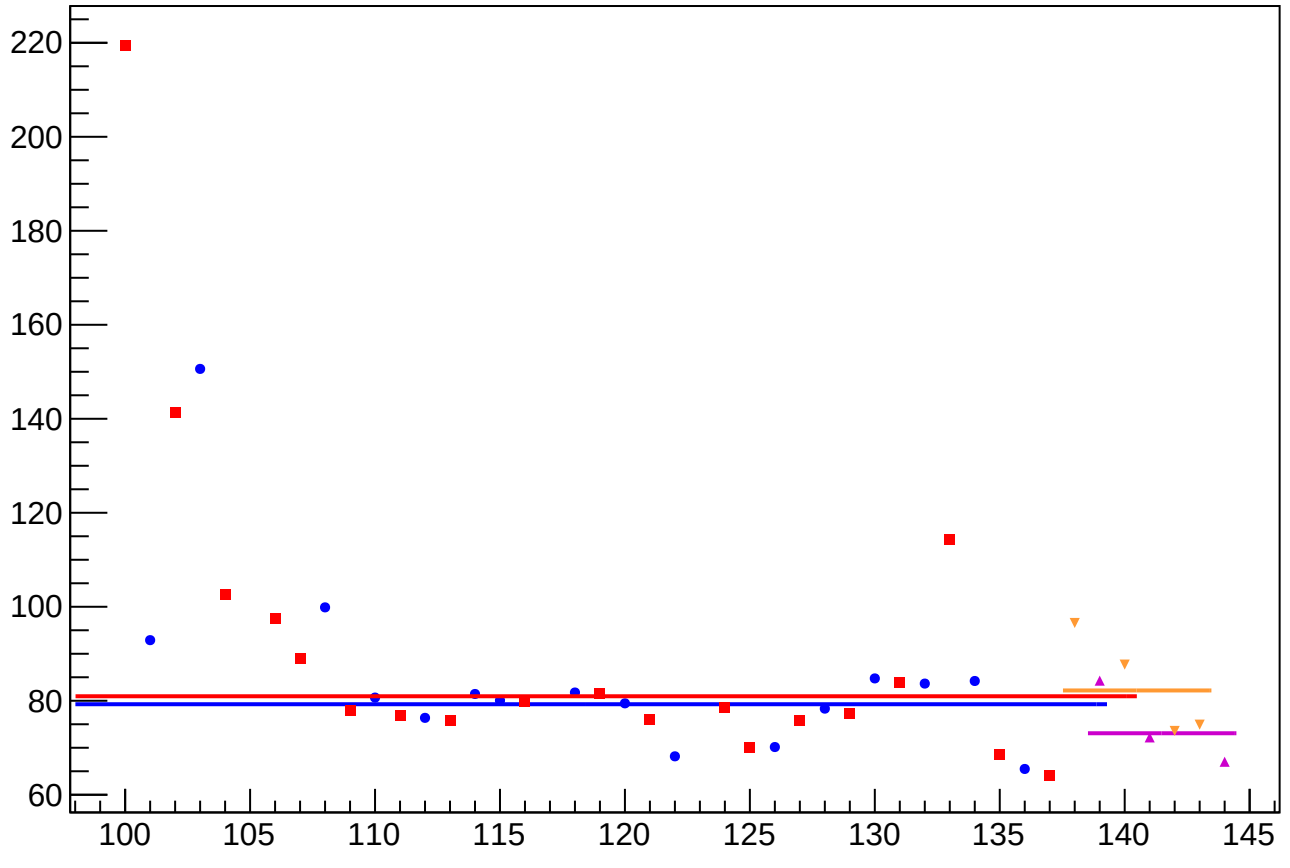
Left: 37.642+/-33.602 χ^2/NDF: 5.5/6

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 13.913+/-25.297 χ^2/NDF:21.2/18

Out: 52.461+/-26.087 χ^2/NDF:31.4/22

All: 32.595+/-18.161 χ^2/NDF: 53.7/41



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 82.193+/-0.035 χ^2/NDF:66801.2/3

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.087+/-0.032 χ^2/NDF:43858.5/2

Left: 77.291+/-0.024 χ^2/NDF: 147162.3/6

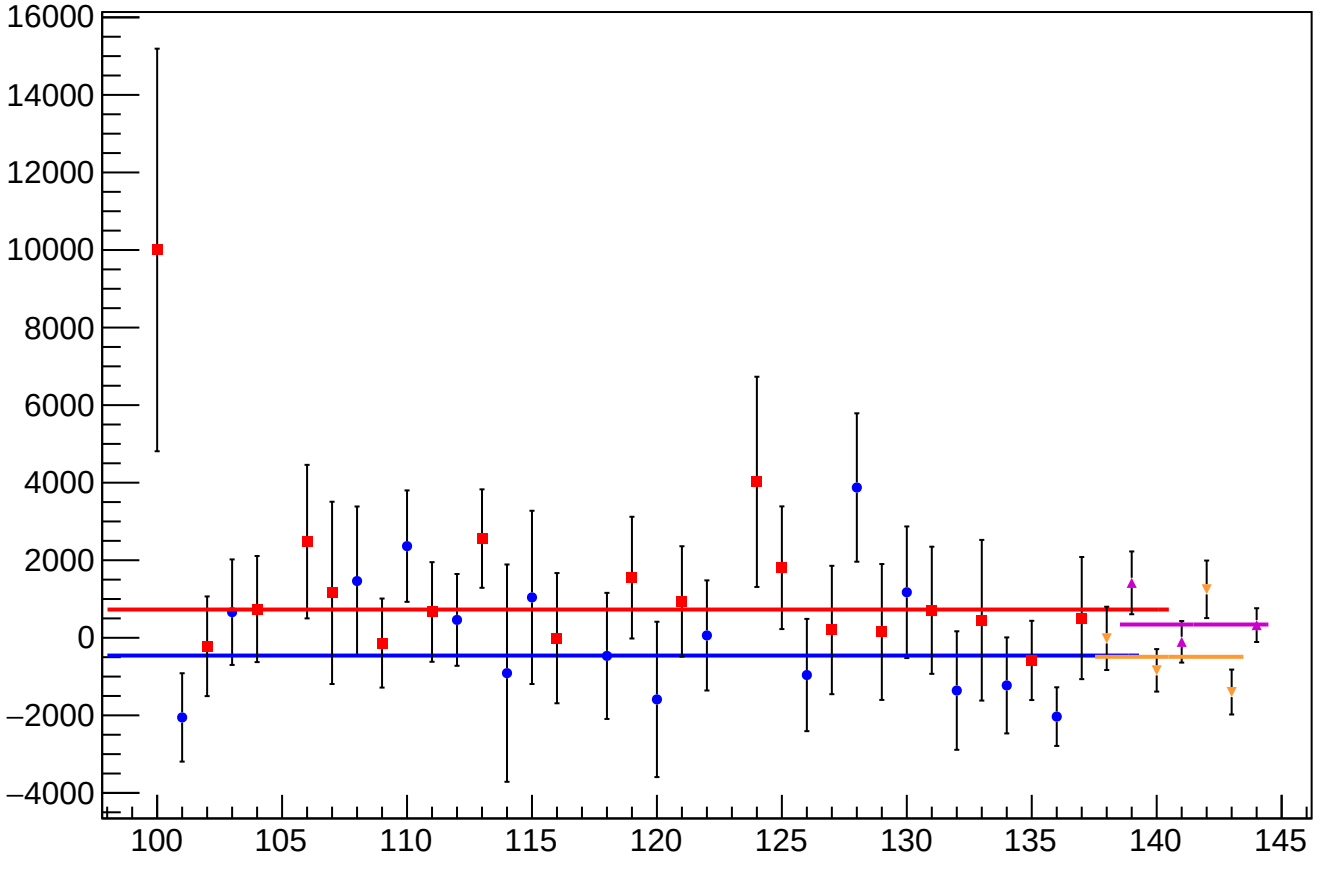
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 77.379+/-0.018 χ^2/NDF:514084.4/18

Out: 81.302+/-0.018 χ^2/NDF:581882.9/22

All: 79.280+/-0.013 χ^2/NDF: 1119277.2/41

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: -490.009+/-322.147 χ^2/NDF:8.7/3

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 342.436+/-311.725 χ^2/NDF:2.5/2

Left: -60.103+/-224.017 χ^2/NDF: 14.6/6

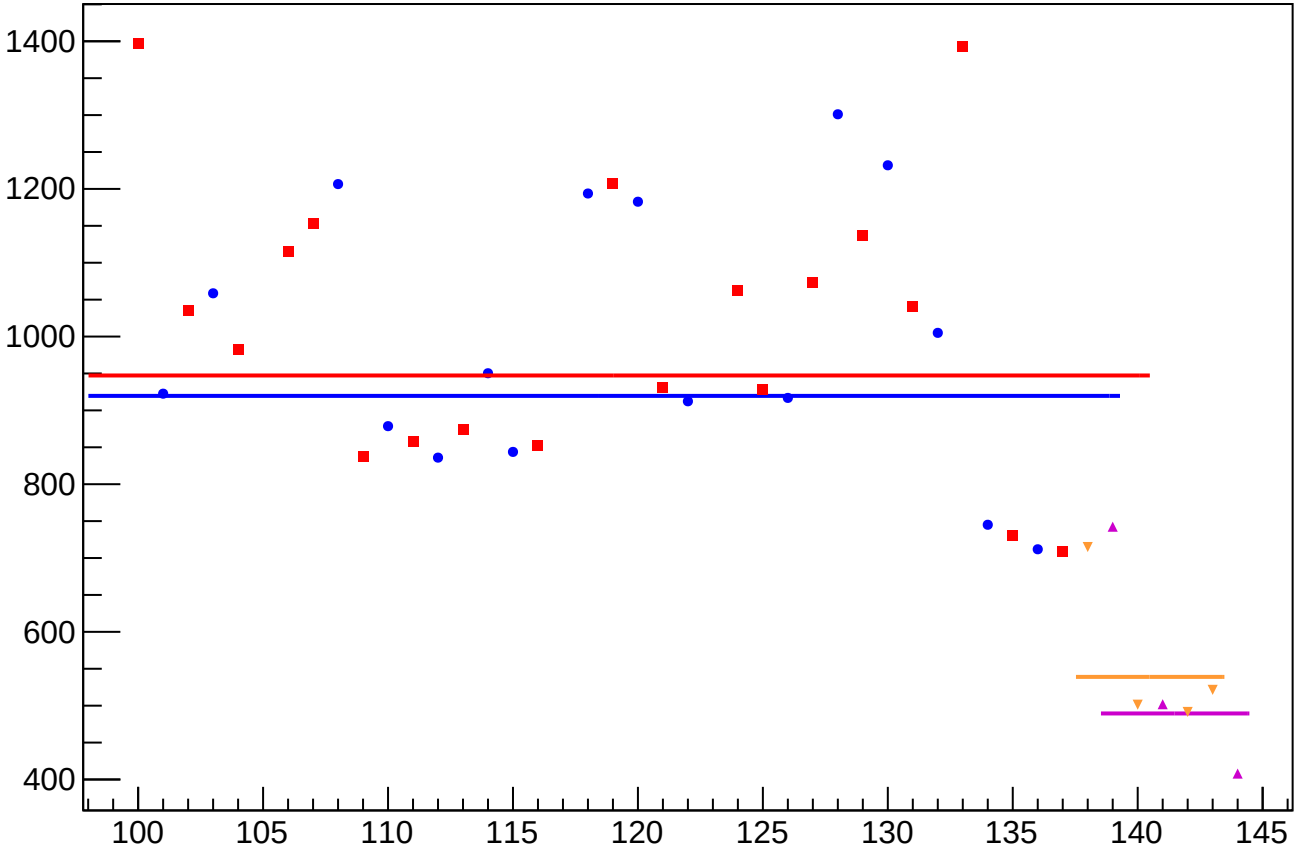
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -11.601+/-232.805 χ^2/NDF:25.7/18

Out: 64.522+/-237.823 χ^2/NDF:26.7/22

All: 25.649+/-166.364 χ^2/NDF: 52.5/41

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: 538.980+/-0.228 χ^2/NDF:112461.8/3

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 489.447+/-0.220 χ^2/NDF:266354.8/2

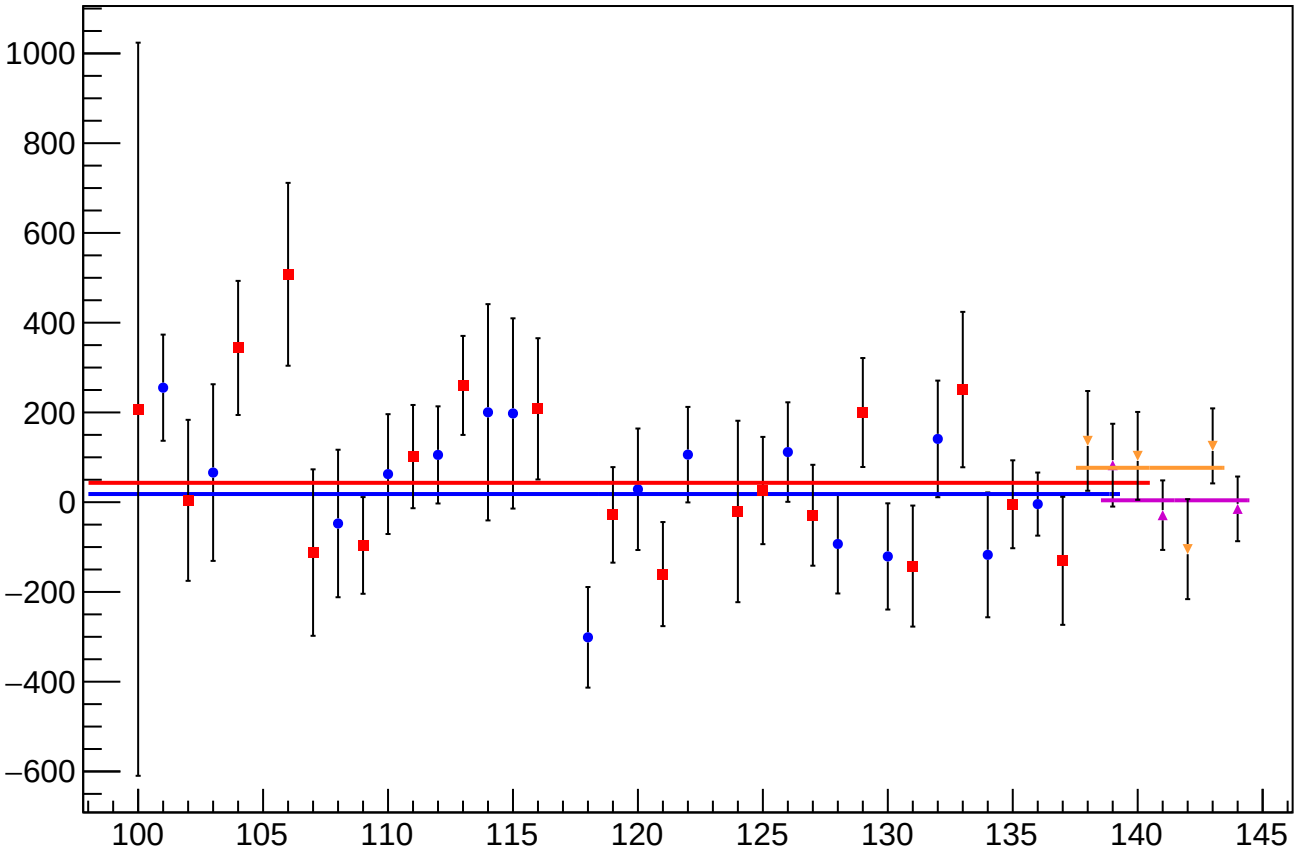
Left: 513.399+/-0.158 χ^2/NDF: 403236.1/6

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 679.697+/-0.165 χ^2/NDF:2466312.8/18

Out: 724.751+/-0.168 χ^2/NDF:1999768.9/22

All: 701.744+/-0.118 χ^2/NDF: 4502736.0/41



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 4.207+/-45.800 χ^2/NDF:1.0/2

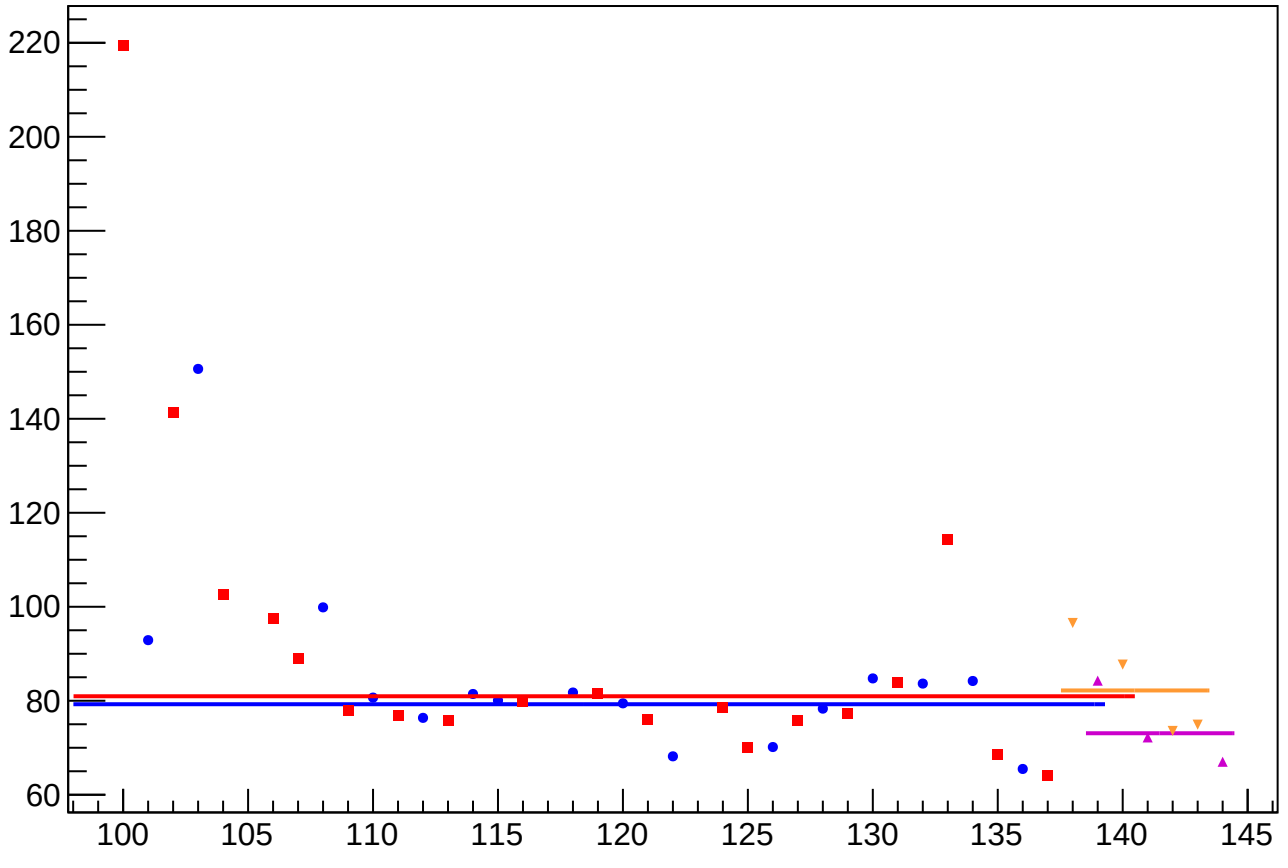
Left: 37.643+/-33.602 χ^2/NDF: 5.5/6

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 13.914+/-25.297 χ^2/NDF:21.2/18

Out: 52.460+/-26.087 χ^2/NDF:31.4/22

All: 32.595+/-18.161 χ^2/NDF: 53.7/41



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 82.193+/-0.035 χ^2/NDF:66799.0/3

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.087+/-0.032 χ^2/NDF:43856.6/2

Left: 77.291+/-0.024 χ^2/NDF: 147157.2/6

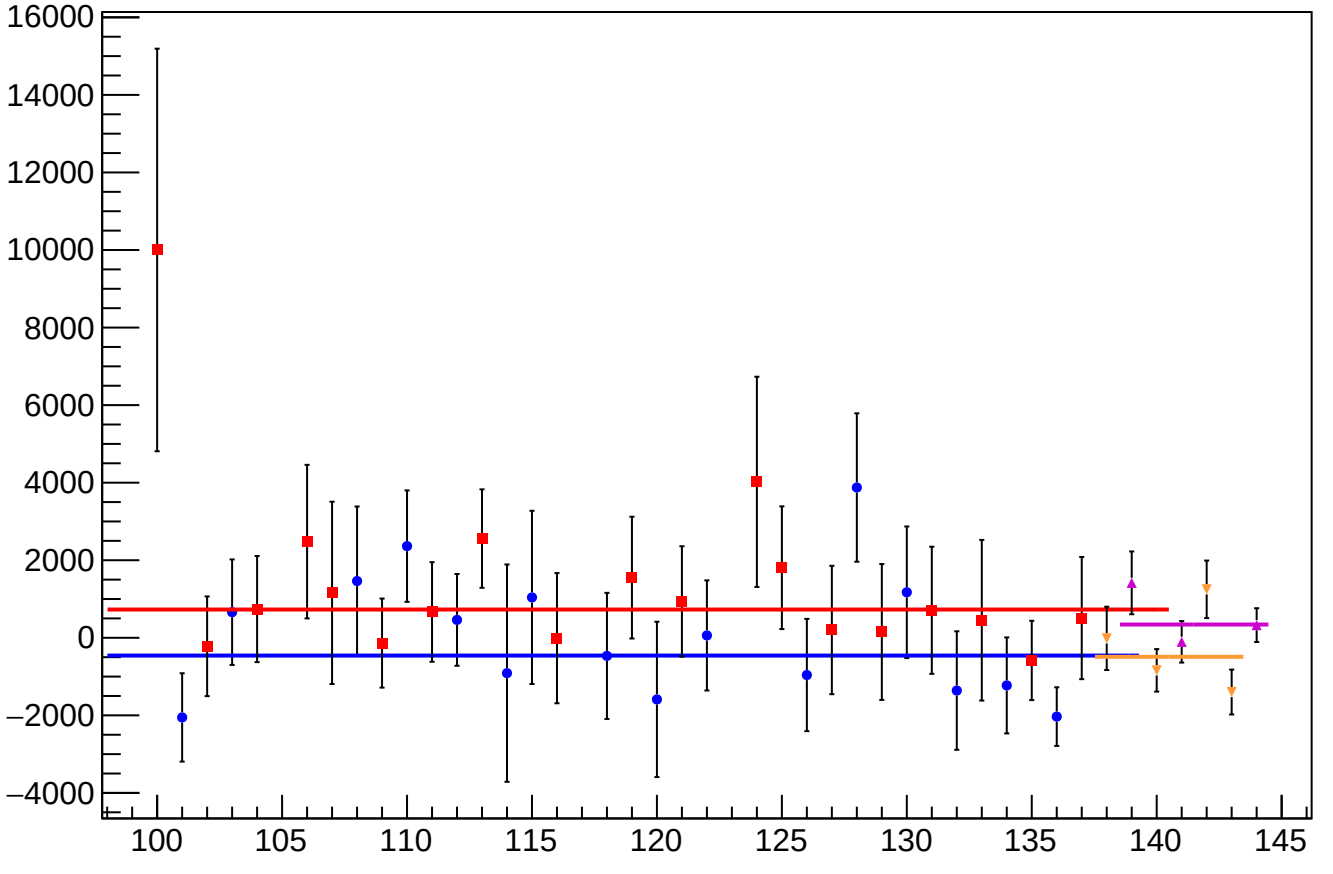
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 77.379+/-0.018 χ^2/NDF:514075.2/18

Out: 81.302+/-0.018 χ^2/NDF:581890.0/22

All: 79.280+/-0.013 χ^2/NDF: 1119274.8/41

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: -490.011+/-322.147 χ^2/NDF:8.7/3

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 342.437+/-311.725 χ^2/NDF:2.5/2

Left: -60.104+/-224.017 χ^2/NDF: 14.6/6

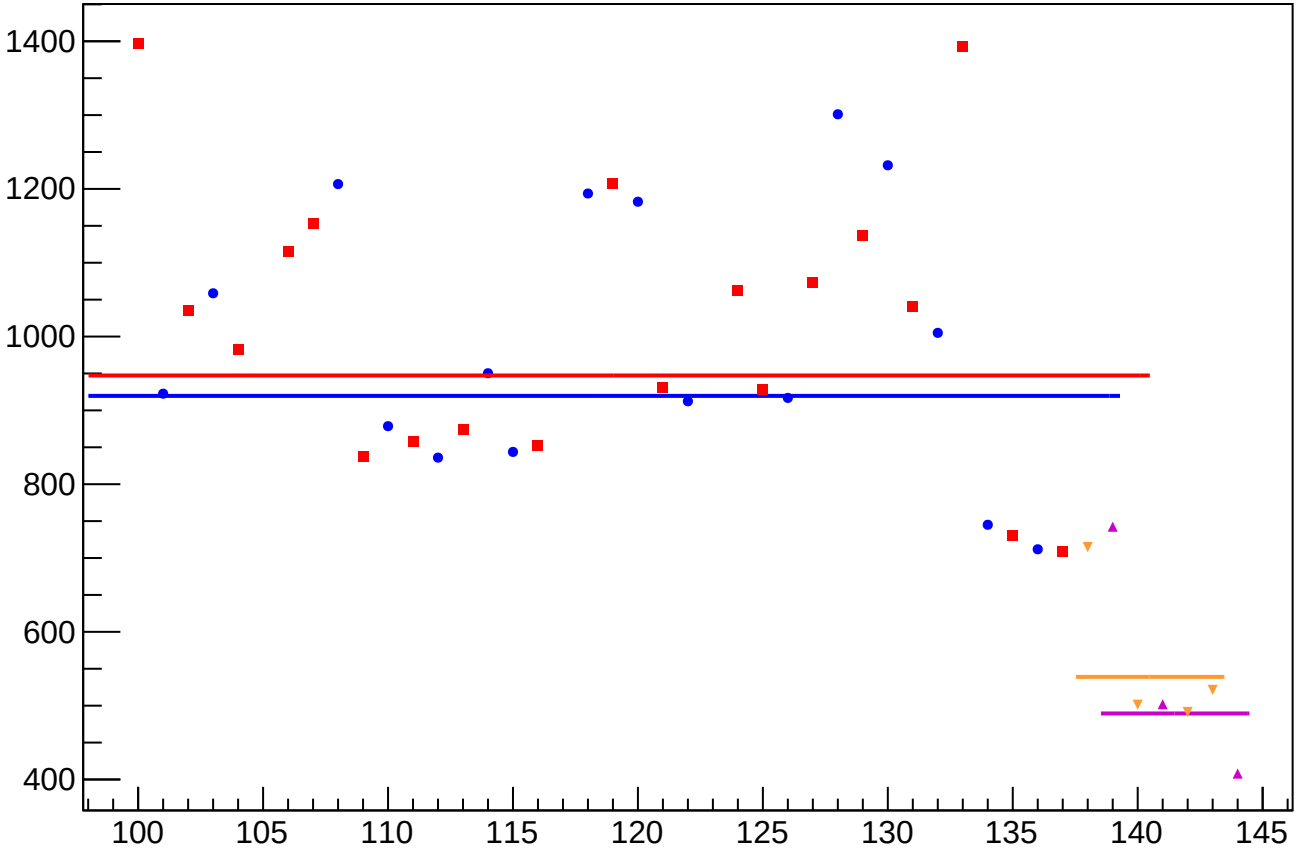
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -11.600+/-232.805 χ^2/NDF:25.7/18

Out: 64.521+/-237.823 χ^2/NDF:26.7/22

All: 25.649+/-166.364 χ^2/NDF: 52.5/41

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: 538.979+/-0.228 χ^2/NDF:112460.8/3

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 489.446+/-0.220 χ^2/NDF:266354.3/2

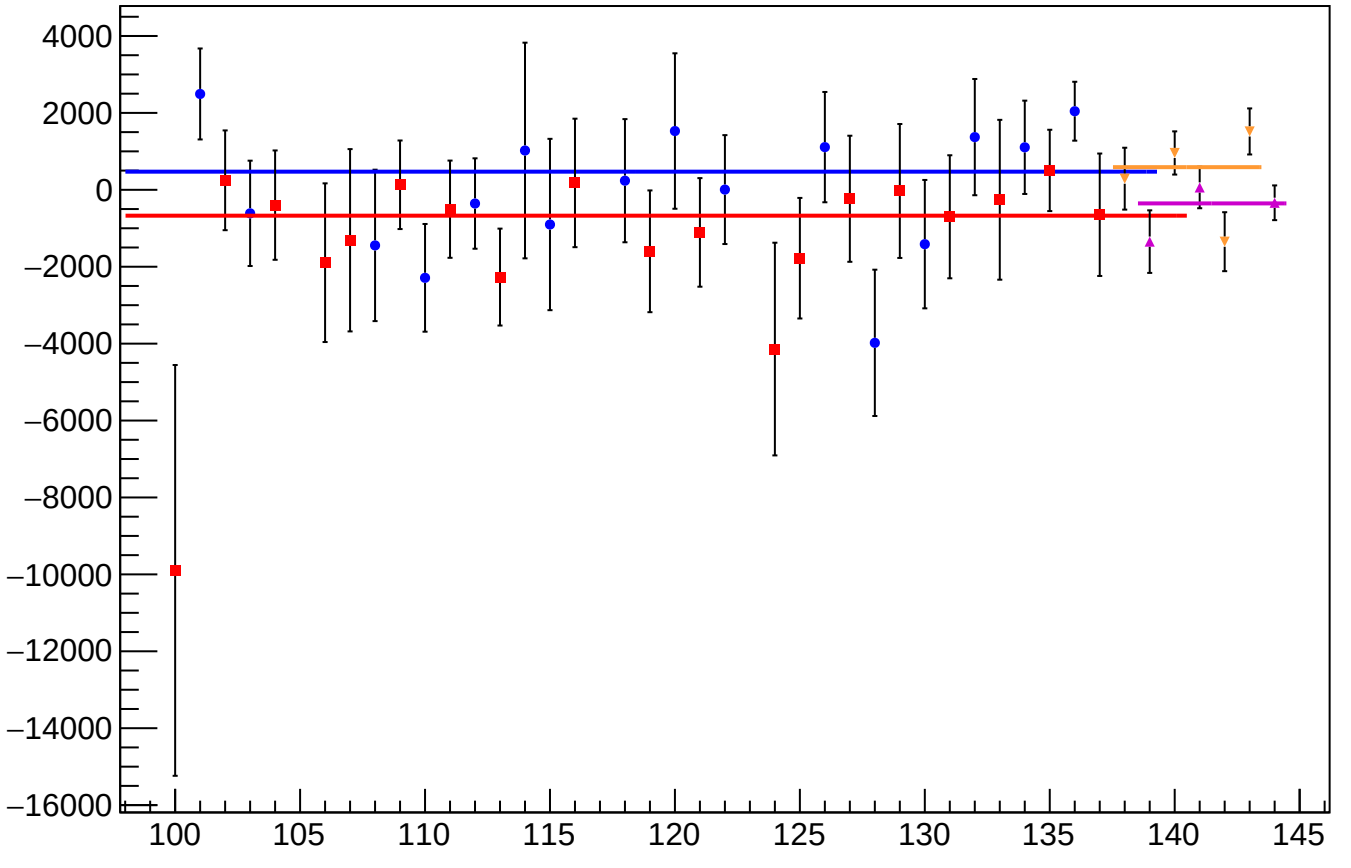
Left: 513.398+/-0.158 χ^2/NDF: 403234.7/6

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 679.696+/-0.165 χ^2/NDF:2466309.1/18

Out: 724.750+/-0.168 χ^2/NDF:1999764.1/22

All: 701.743+/-0.118 χ^2/NDF: 4502727.6/41



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 589.061+/-329.640 χ^2/NDF:9.4/3

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -353.399+/-318.779 χ^2/NDF:2.1/2

Left: 102.049+/-229.154 χ^2/NDF: 15.7/6

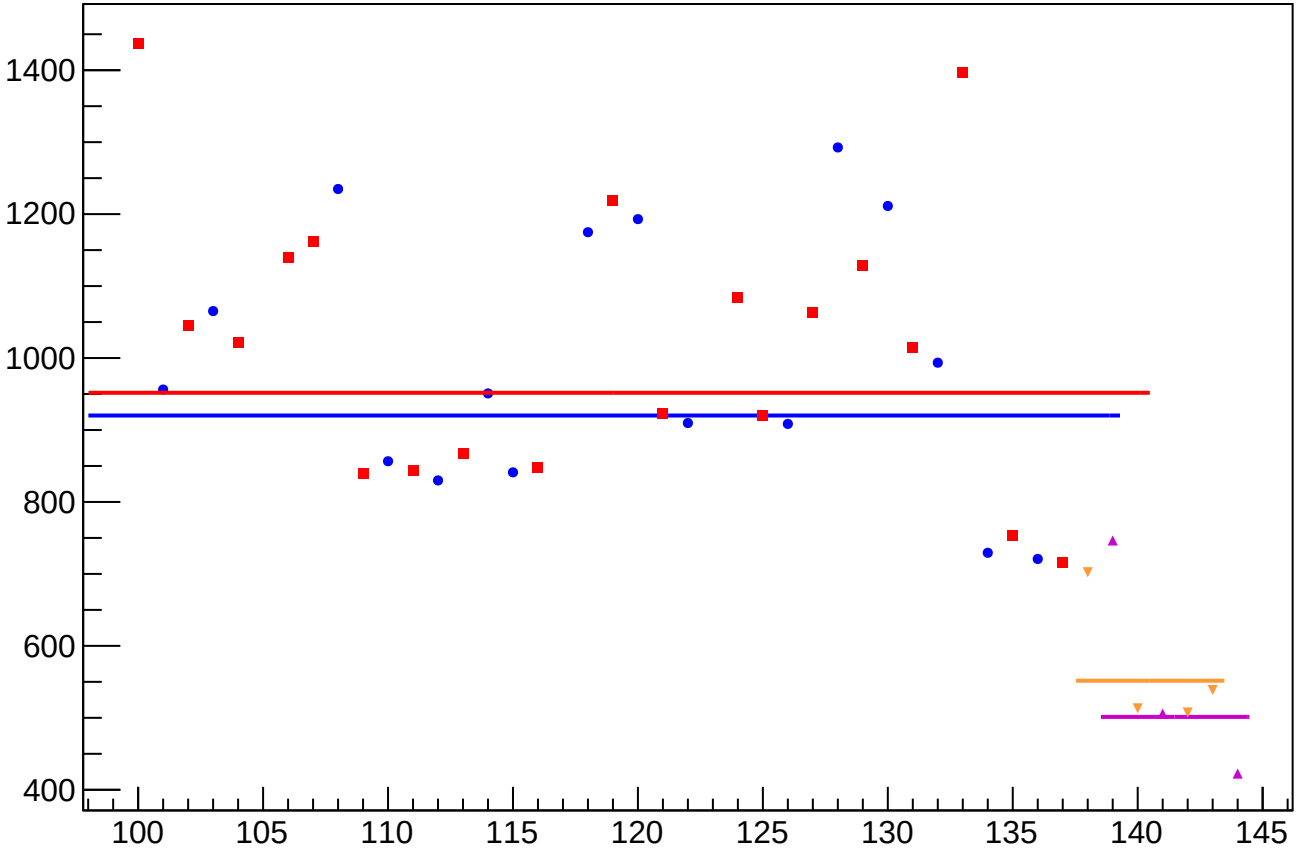
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 20.420+/-235.792 χ^2/NDF:26.6/18

Out: 4.066+/-241.405 χ^2/NDF:26.5/22

All: 12.435+/-168.680 χ^2/NDF: 53.1/41

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 551.568+/-0.233 χ^2/NDF:87098.4/3

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 501.280+/-0.225 χ^2/NDF:242636.6/2

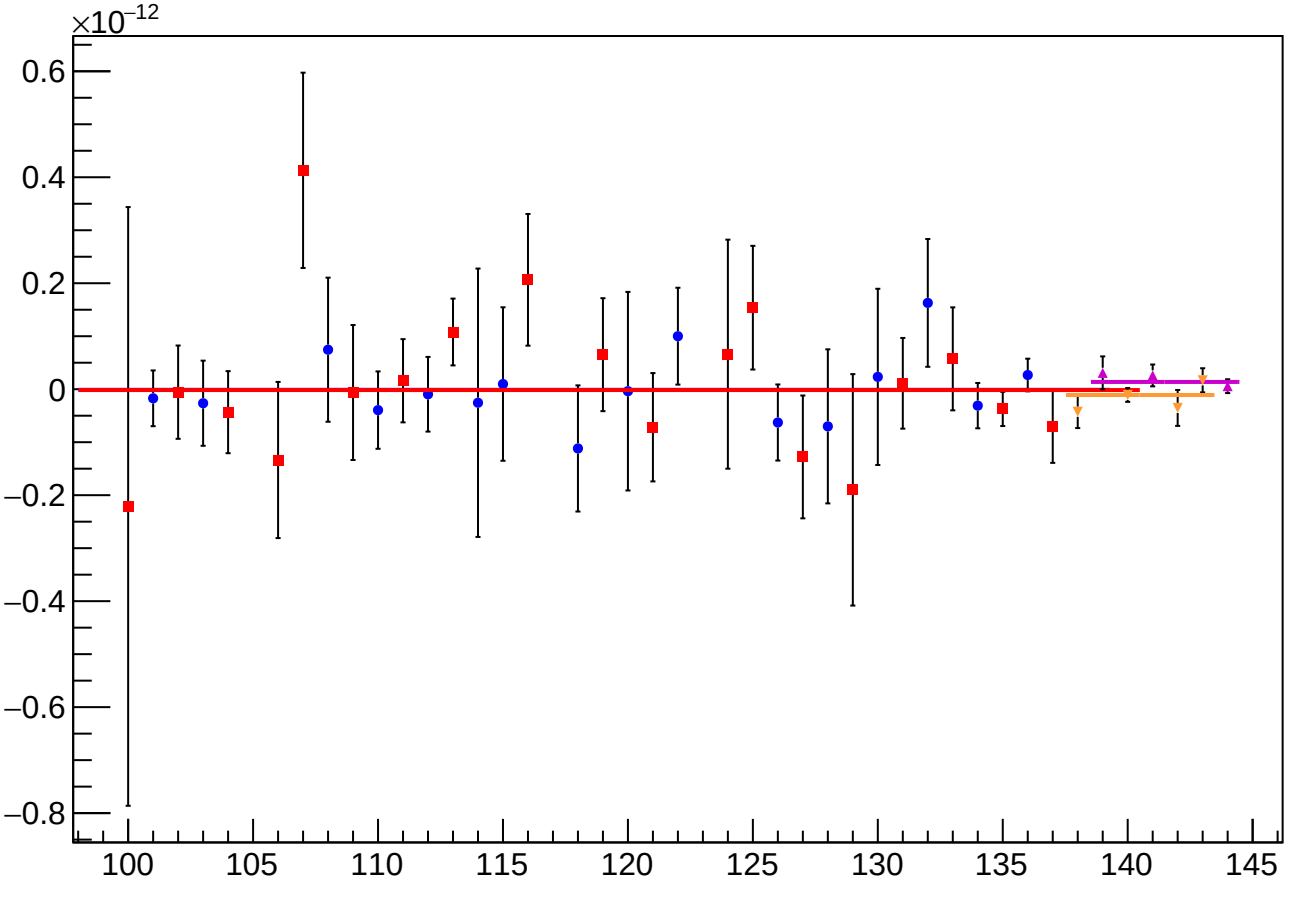
Left: 525.582+/-0.162 χ^2/NDF: 353786.9/6

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 690.970+/-0.167 χ^2/NDF:2314989.5/18

Out: 737.119+/-0.171 χ^2/NDF:1869823.5/22

All: 713.501+/-0.119 χ^2/NDF: 4222218.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/2

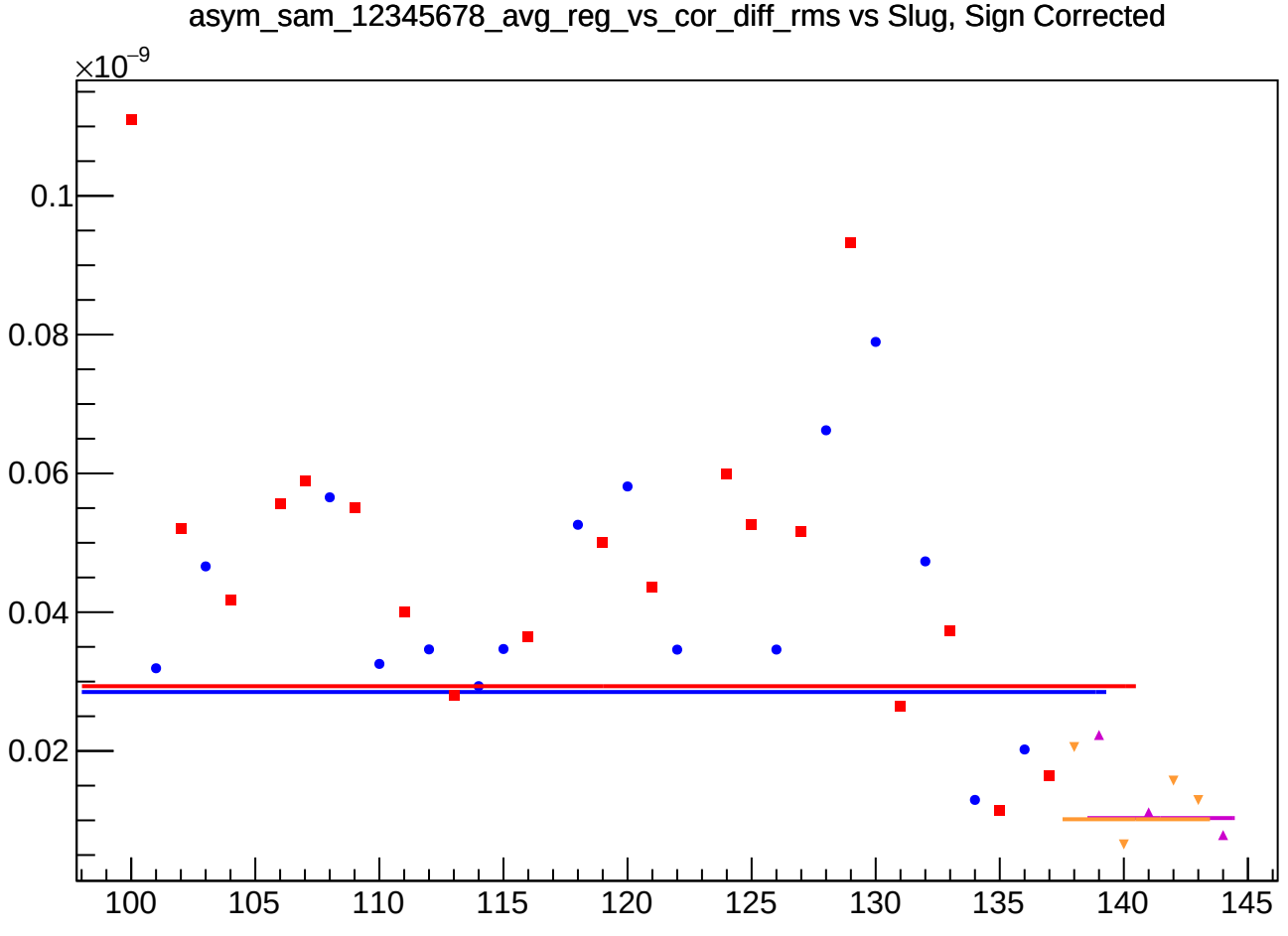
Left: 0.000+/-0.000 χ^2/NDF: 7.0/6

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:8.6/18

Out: -0.000+/-0.000 χ^2/NDF:22.7/22

All: 0.000+/-0.000 χ^2/NDF: 33.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:464820.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:370793.0/2

Left: 0.000+/-0.000 χ^2/NDF: 835887.4/6

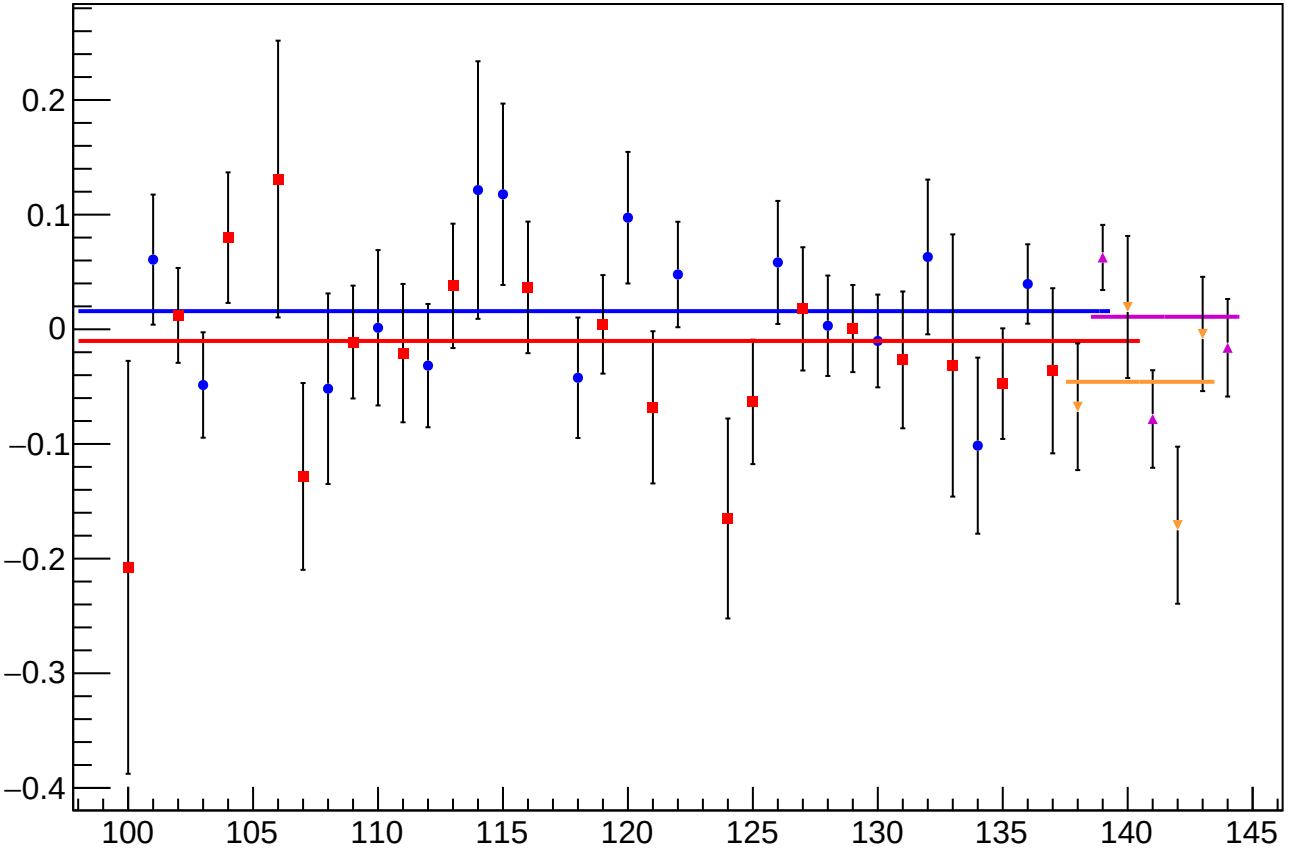
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3088769.5/18

Out: 0.000+/-0.000 χ^2/NDF:3662126.6/22

All: 0.000+/-0.000 χ^2/NDF: 6756115.5/41

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.011+/-0.021 χ^2/NDF:8.1/2

Left: -0.008+/-0.017 χ^2/NDF: 16.0/6

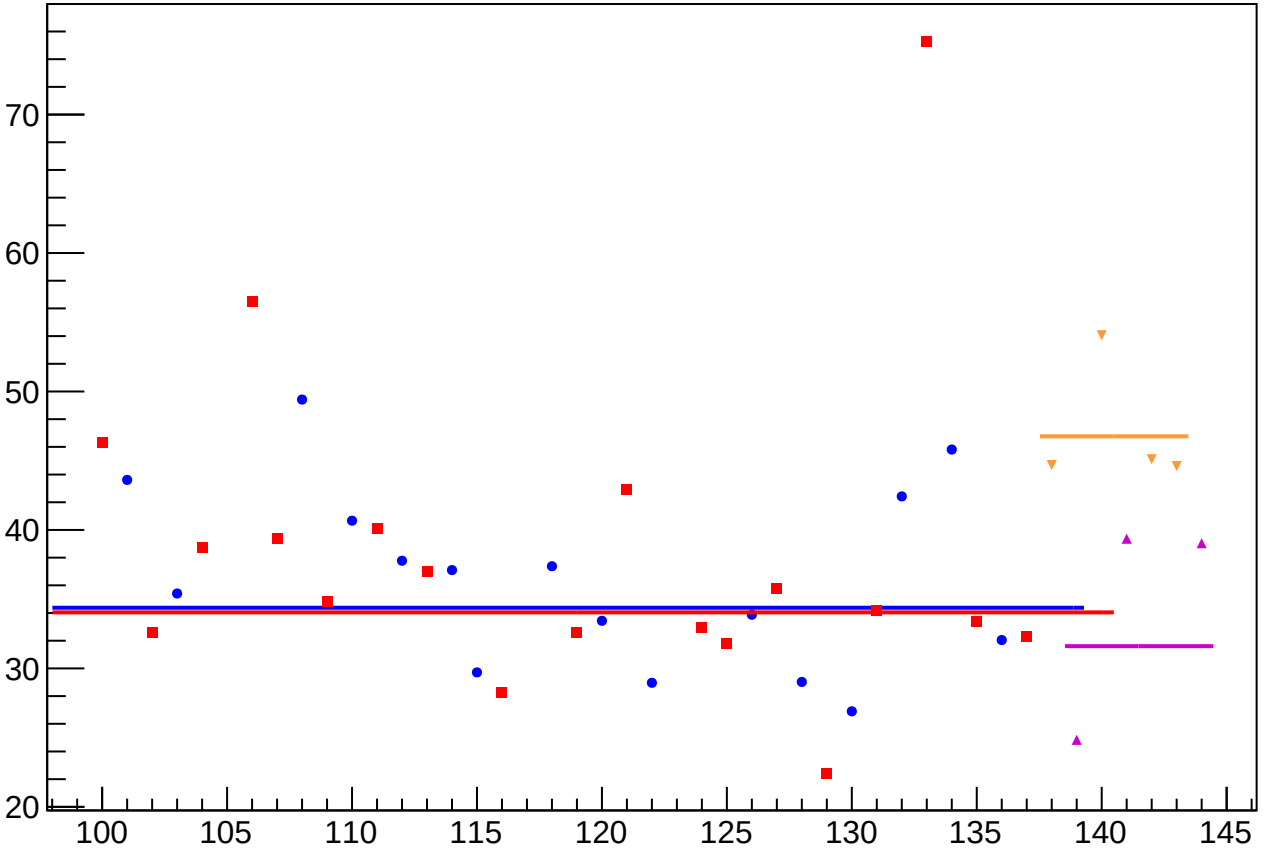
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.014+/-0.011 χ^2/NDF:22.9/18

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.000+/-0.008 χ^2/NDF: 48.1/41

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: 46.764+/-0.020 χ^2/NDF:35518.9/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 31.608+/-0.015 χ^2/NDF:241028.5/2

Left: 36.750+/-0.012 χ^2/NDF: 641994.5/6

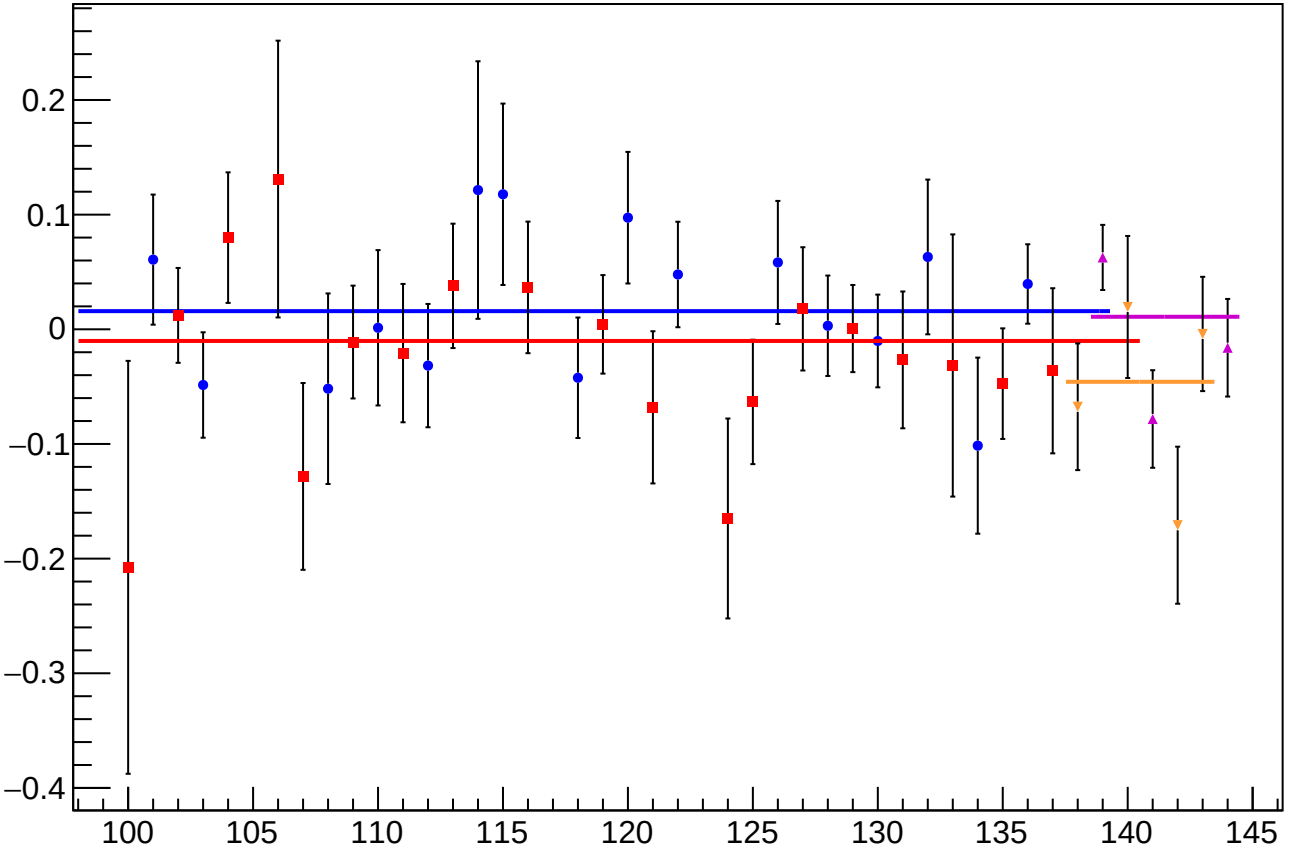
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.560+/-0.008 χ^2/NDF:634310.1/18

Out: 36.254+/-0.008 χ^2/NDF:1000021.9/22

All: 34.818+/-0.006 χ^2/NDF: 1688005.7/41

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: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.011+/-0.021 χ^2/NDF:8.1/2

Left: -0.008+/-0.017 χ^2/NDF: 16.0/6

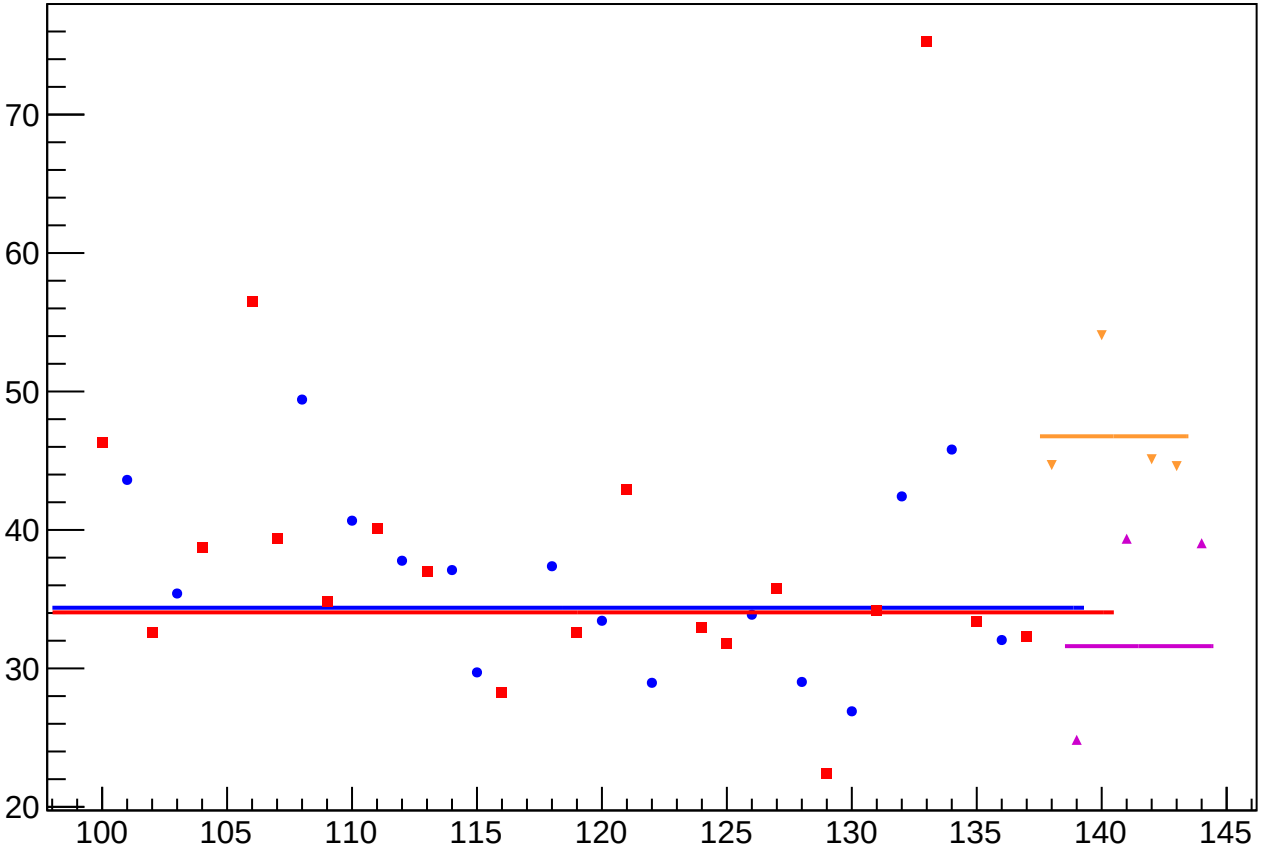
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.014+/-0.011 χ^2/NDF:22.9/18

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.000+/-0.008 χ^2/NDF: 48.1/41

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: 46.764+/-0.020 χ^2/NDF:35518.9/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 31.608+/-0.015 χ^2/NDF:241028.5/2

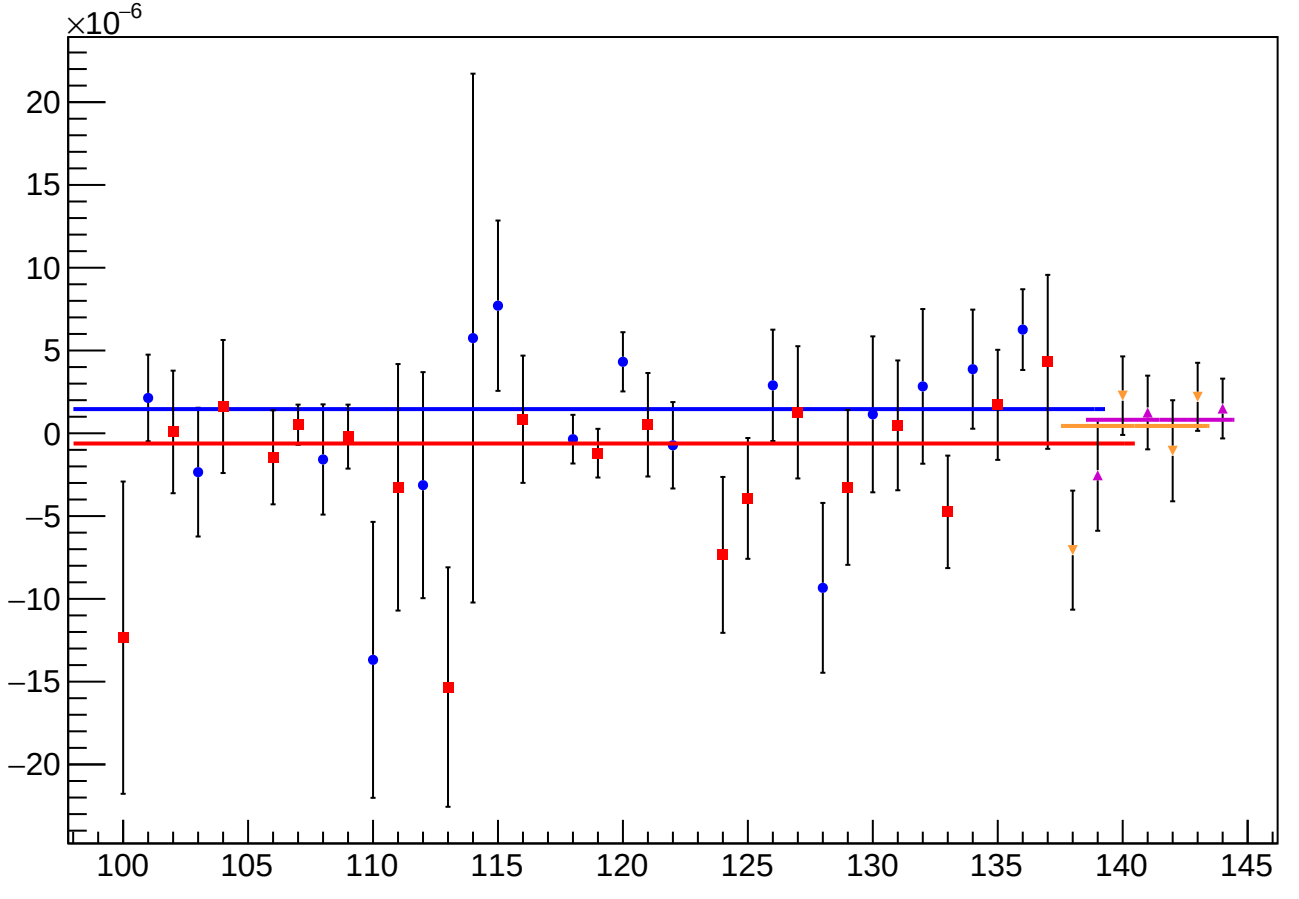
Left: 36.750+/-0.012 χ^2/NDF: 641994.5/6

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.560+/-0.008 χ^2/NDF:634310.1/18

Out: 36.254+/-0.008 χ^2/NDF:1000021.9/22

All: 34.818+/-0.006 χ^2/NDF: 1688005.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/2

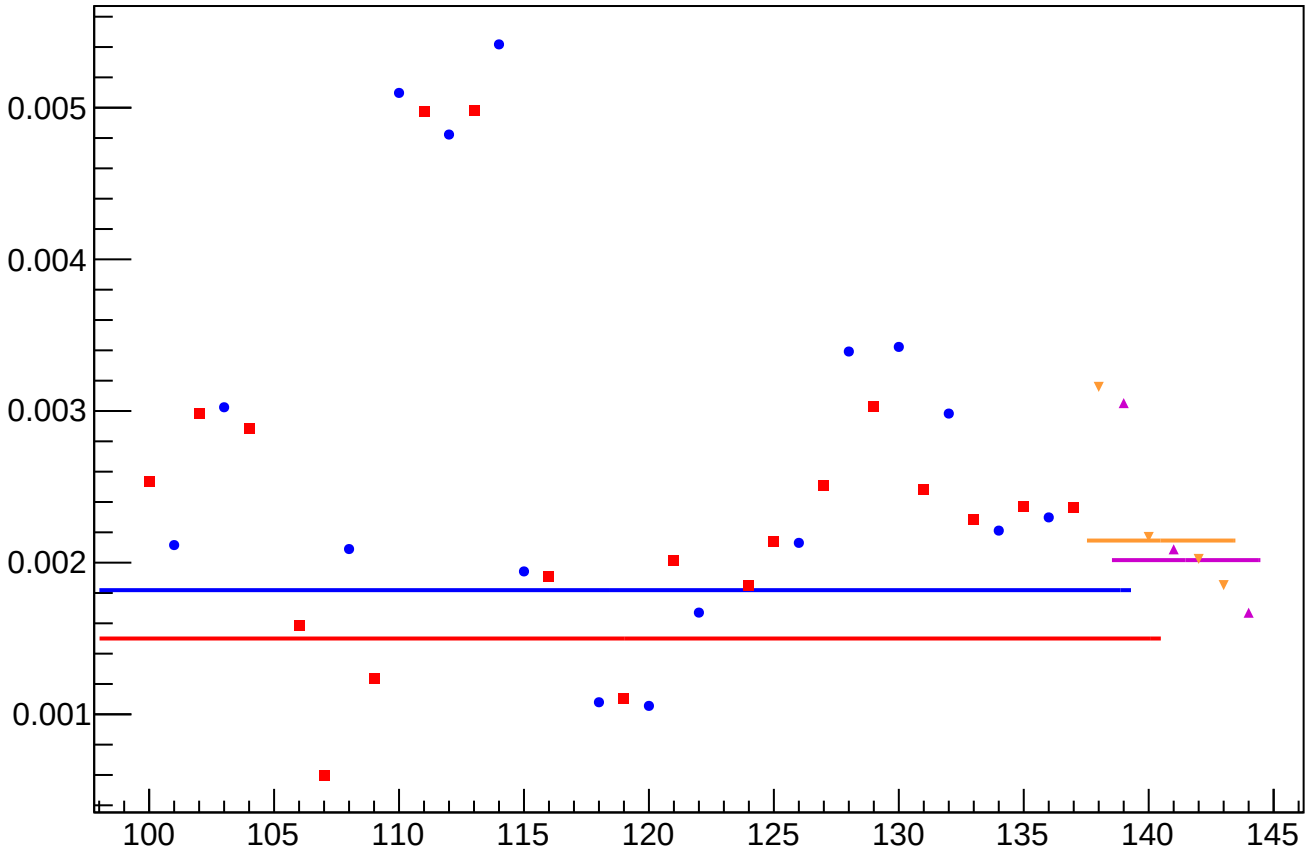
Left: 0.000+/-0.000 χ^2/NDF: 7.1/6

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/18

Out: -0.000+/-0.000 χ^2/NDF:20.4/22

All: 0.000+/-0.000 χ^2/NDF: 46.6/41



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:203248.1/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:266315.7/2

Left: 0.002+/-0.000 χ^2/NDF: 479530.7/6

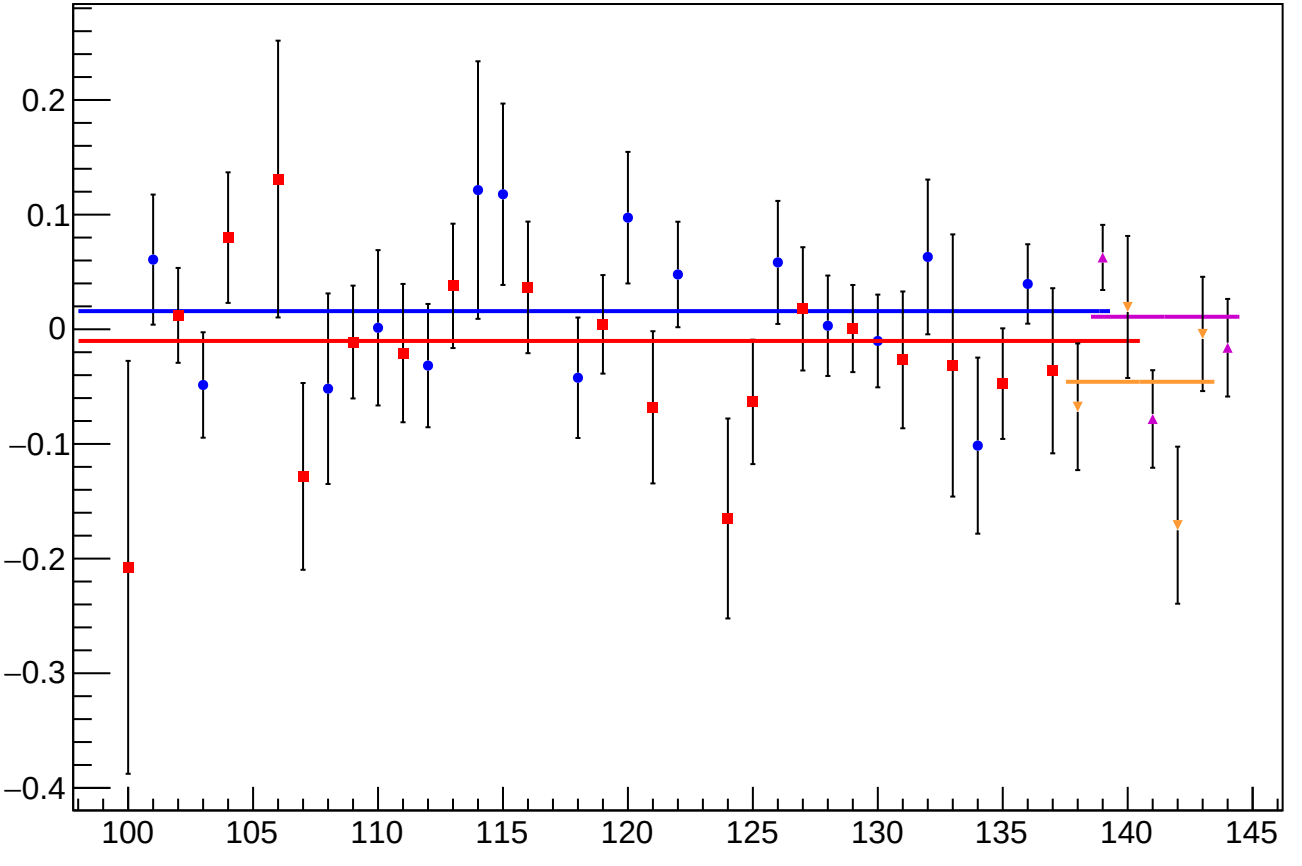
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2871581.8/18

Out: 0.002+/-0.000 χ^2/NDF:4292739.0/22

All: 0.002+/-0.000 χ^2/NDF: 7315934.9/41

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: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.011+/-0.021 χ^2/NDF:8.1/2

Left: -0.008+/-0.017 χ^2/NDF: 16.0/6

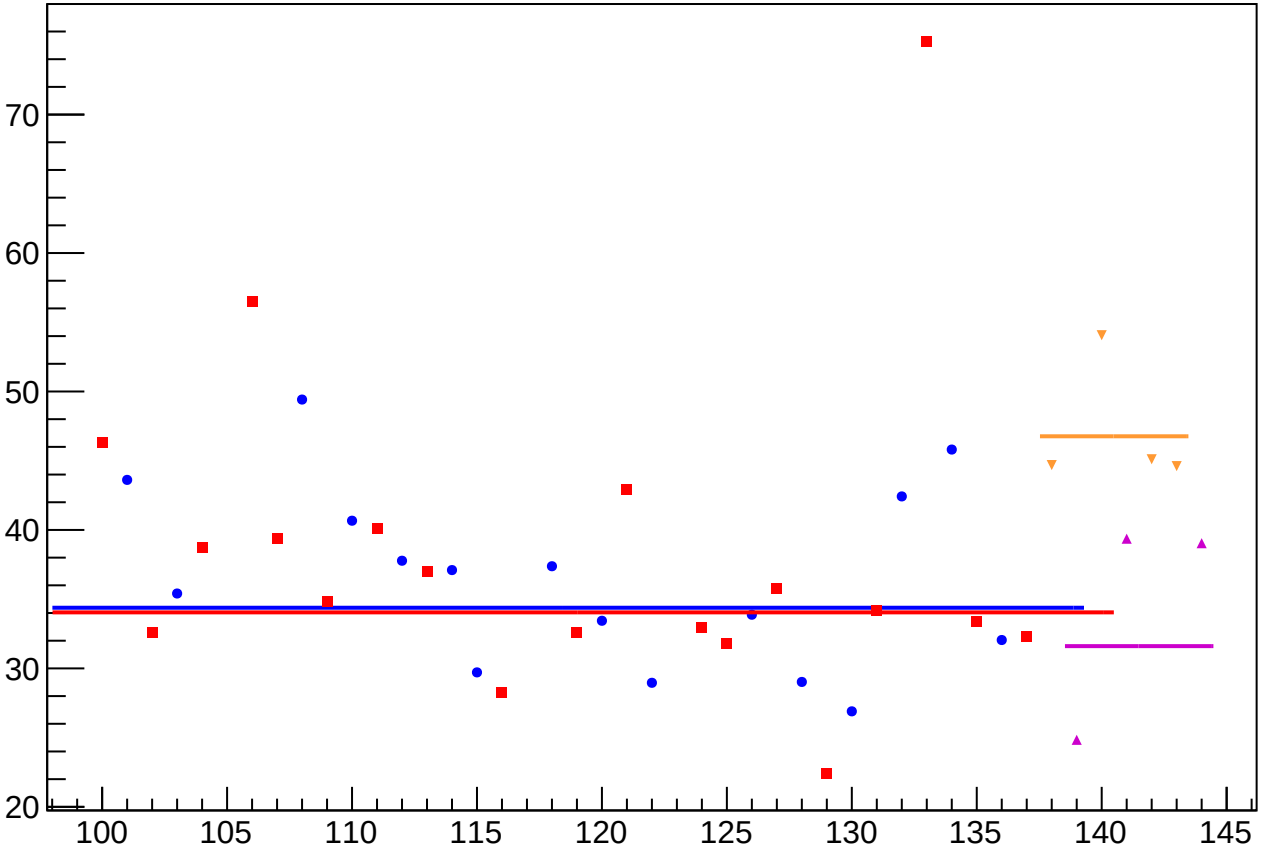
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.014+/-0.011 χ^2/NDF:22.9/18

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.000+/-0.008 χ^2/NDF: 48.1/41

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 46.764+/-0.020 χ^2/NDF:35522.0/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 31.608+/-0.015 χ^2/NDF:241035.9/2

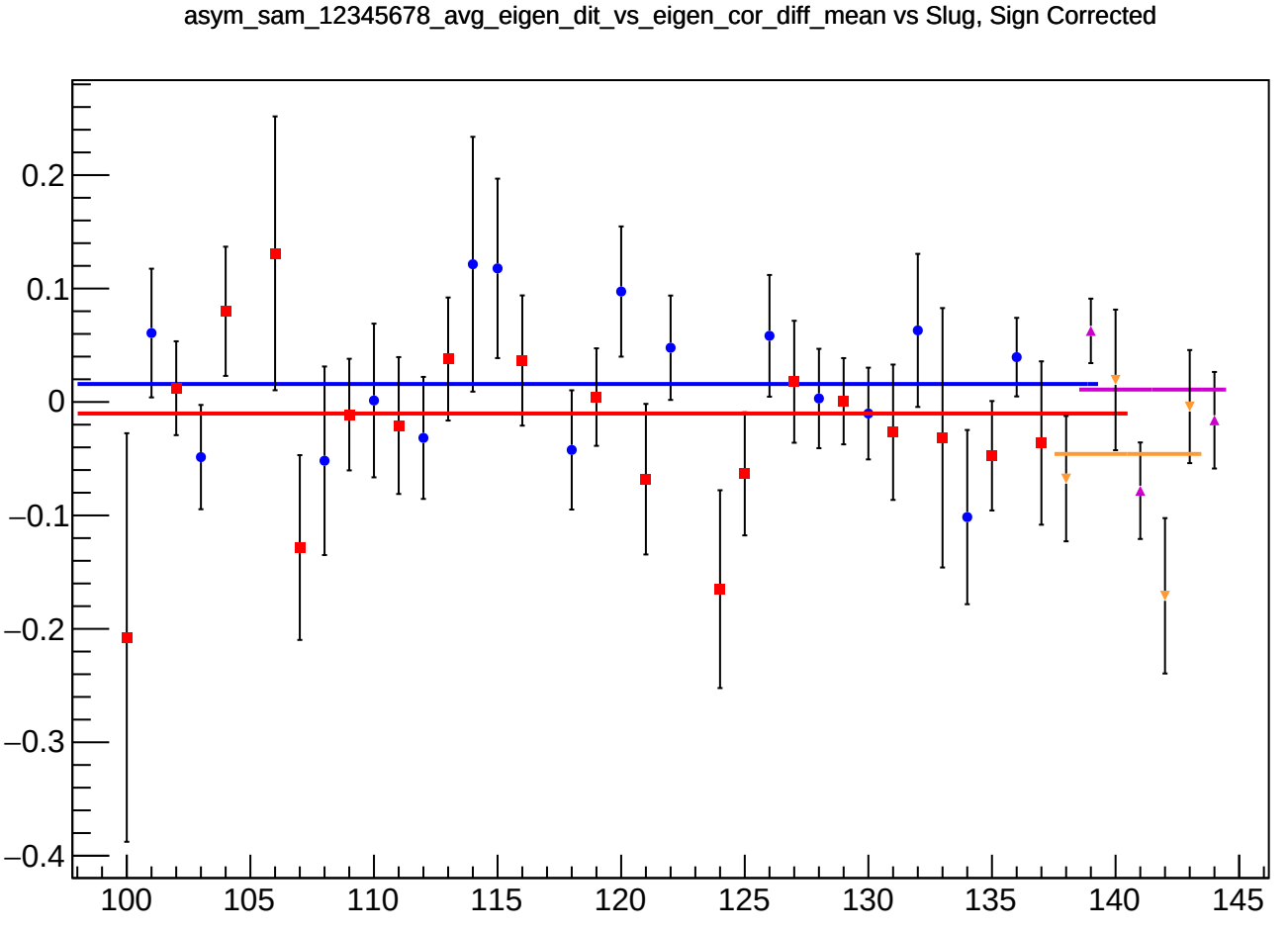
Left: 36.751+/-0.012 χ^2/NDF: 641995.0/6

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.560+/-0.008 χ^2/NDF:634355.1/18

Out: 36.254+/-0.008 χ^2/NDF:1000104.8/22

All: 34.818+/-0.006 χ^2/NDF: 1688132.5/41



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.011+/-0.021 χ^2/NDF:8.1/2

Left: -0.008+/-0.017 χ^2/NDF: 16.0/6

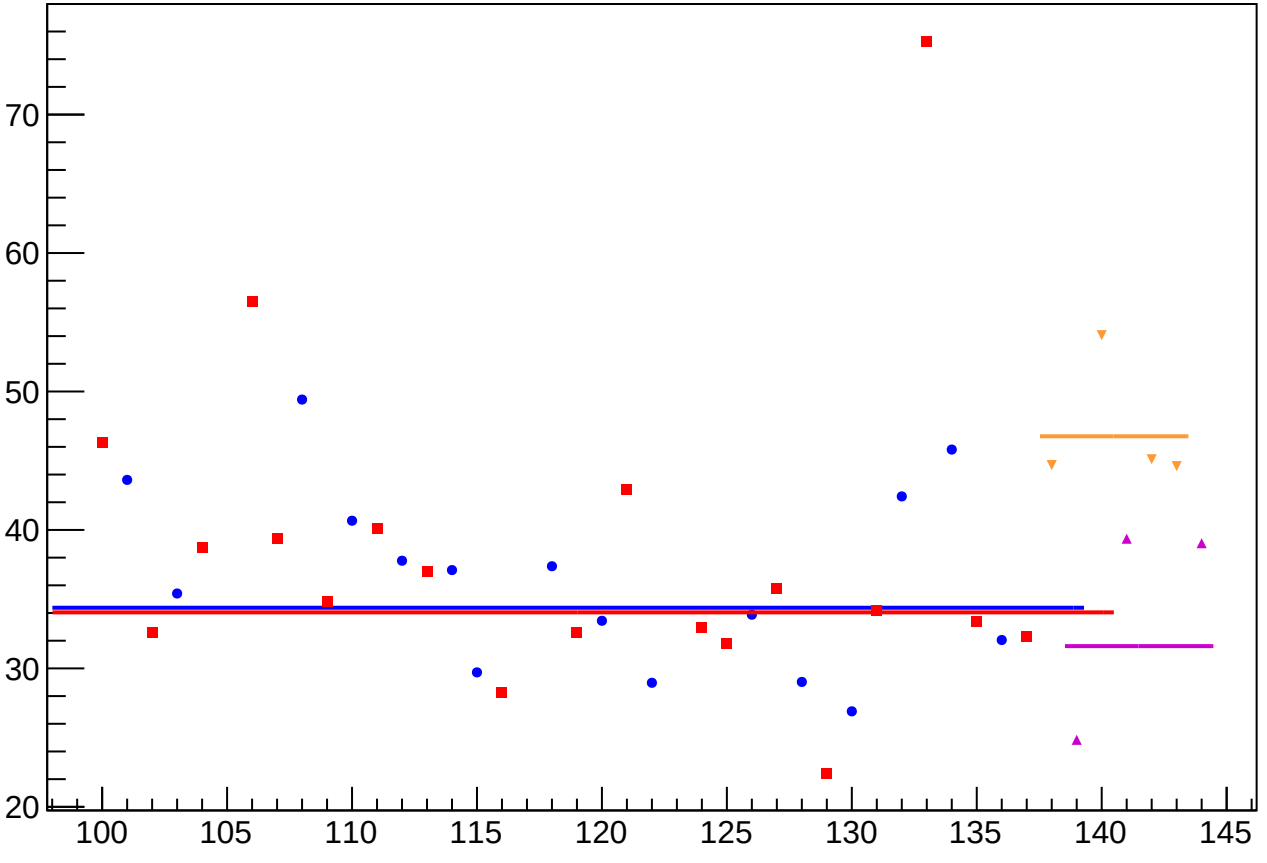
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.014+/-0.011 χ^2/NDF:22.9/18

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.000+/-0.008 χ^2/NDF: 48.1/41

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: 46.764+/-0.020 χ^2/NDF:35522.0/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 31.608+/-0.015 χ^2/NDF:241035.9/2

Left: 36.751+/-0.012 χ^2/NDF: 641995.0/6

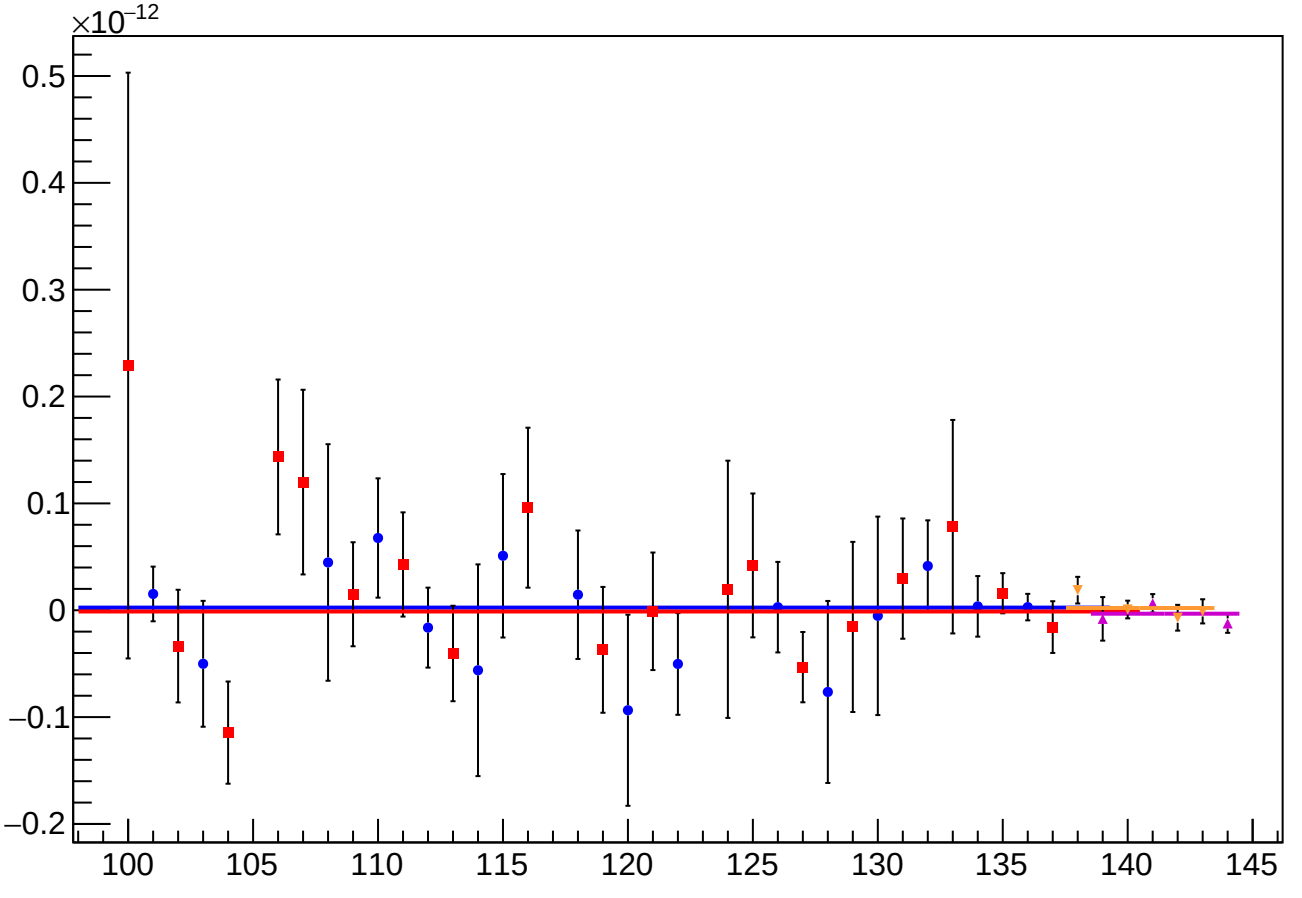
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.560+/-0.008 χ^2/NDF:634355.1/18

Out: 36.254+/-0.008 χ^2/NDF:1000104.8/22

All: 34.818+/-0.006 χ^2/NDF: 1688132.5/41

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:2.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/2

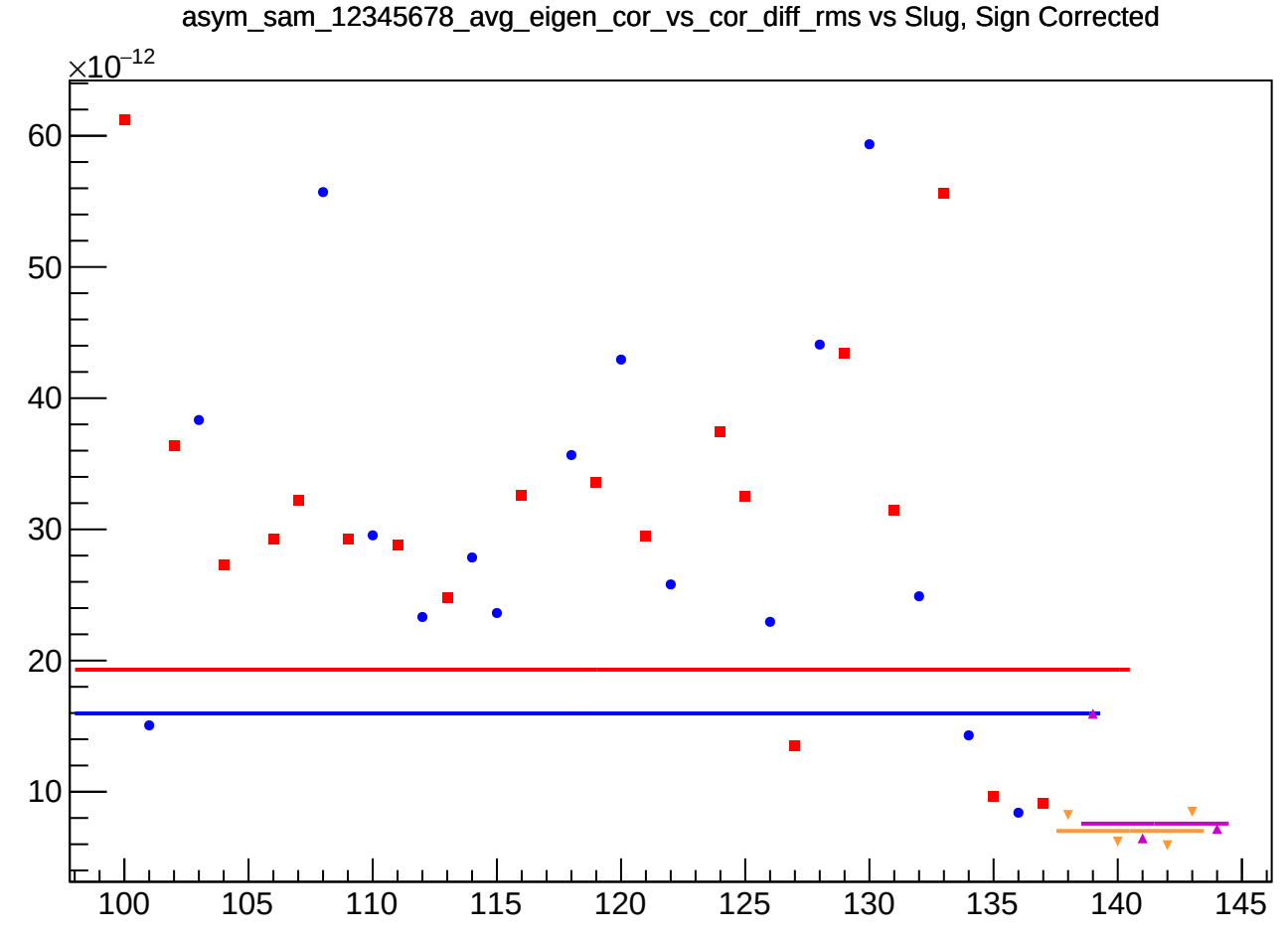
Left: -0.000+/-0.000 χ^2/NDF: 5.3/6

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:10.4/18

Out: 0.000+/-0.000 χ^2/NDF:24.1/22

All: 0.000+/-0.000 χ^2/NDF: 34.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:87728.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:375996.0/2

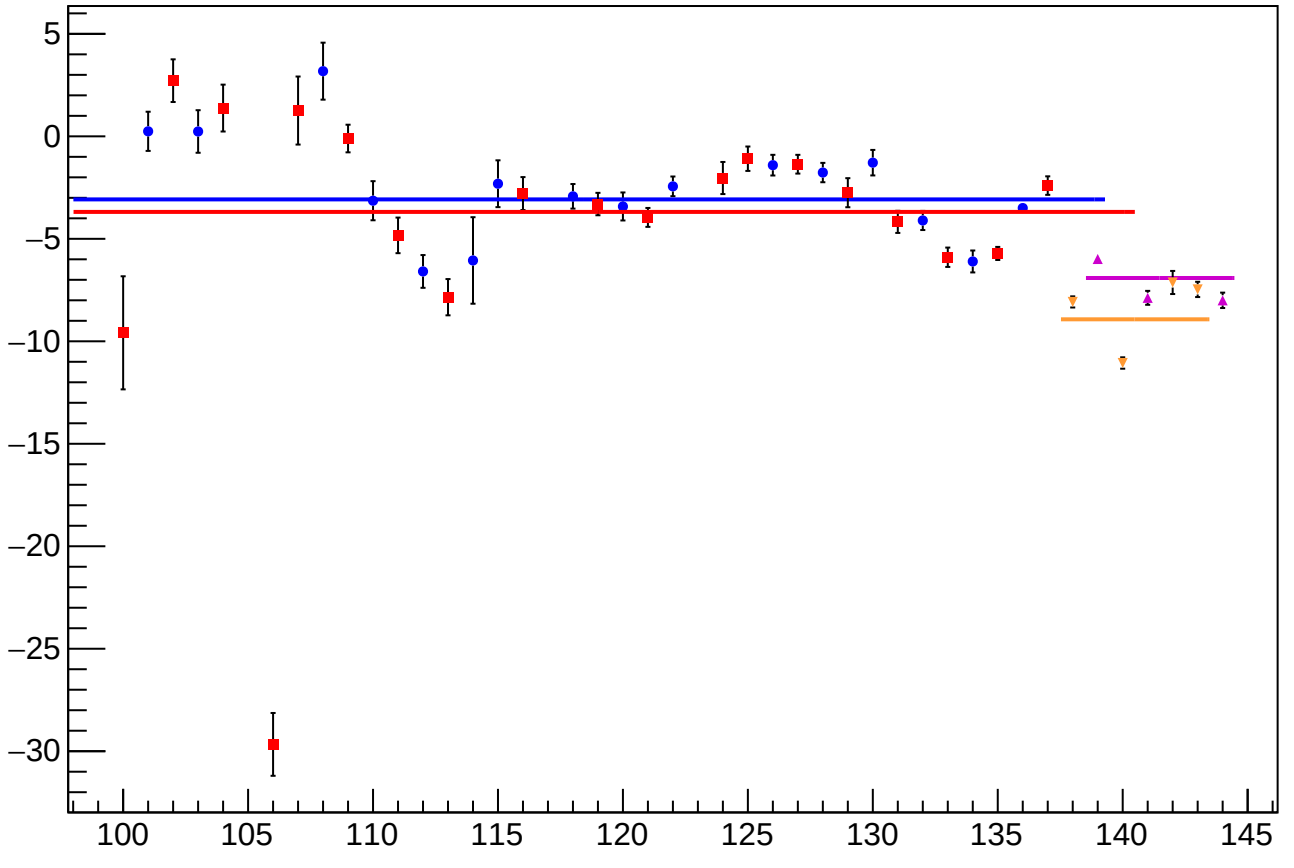
Left: 0.000+/-0.000 χ^2/NDF: 473808.1/6

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4471495.0/18

Out: 0.000+/-0.000 χ^2/NDF:4817750.4/22

All: 0.000+/-0.000 χ^2/NDF: 9304416.9/41



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.928+/-0.165 χ^2/NDF:94.2/3

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.912+/-0.174 χ^2/NDF:31.5/2

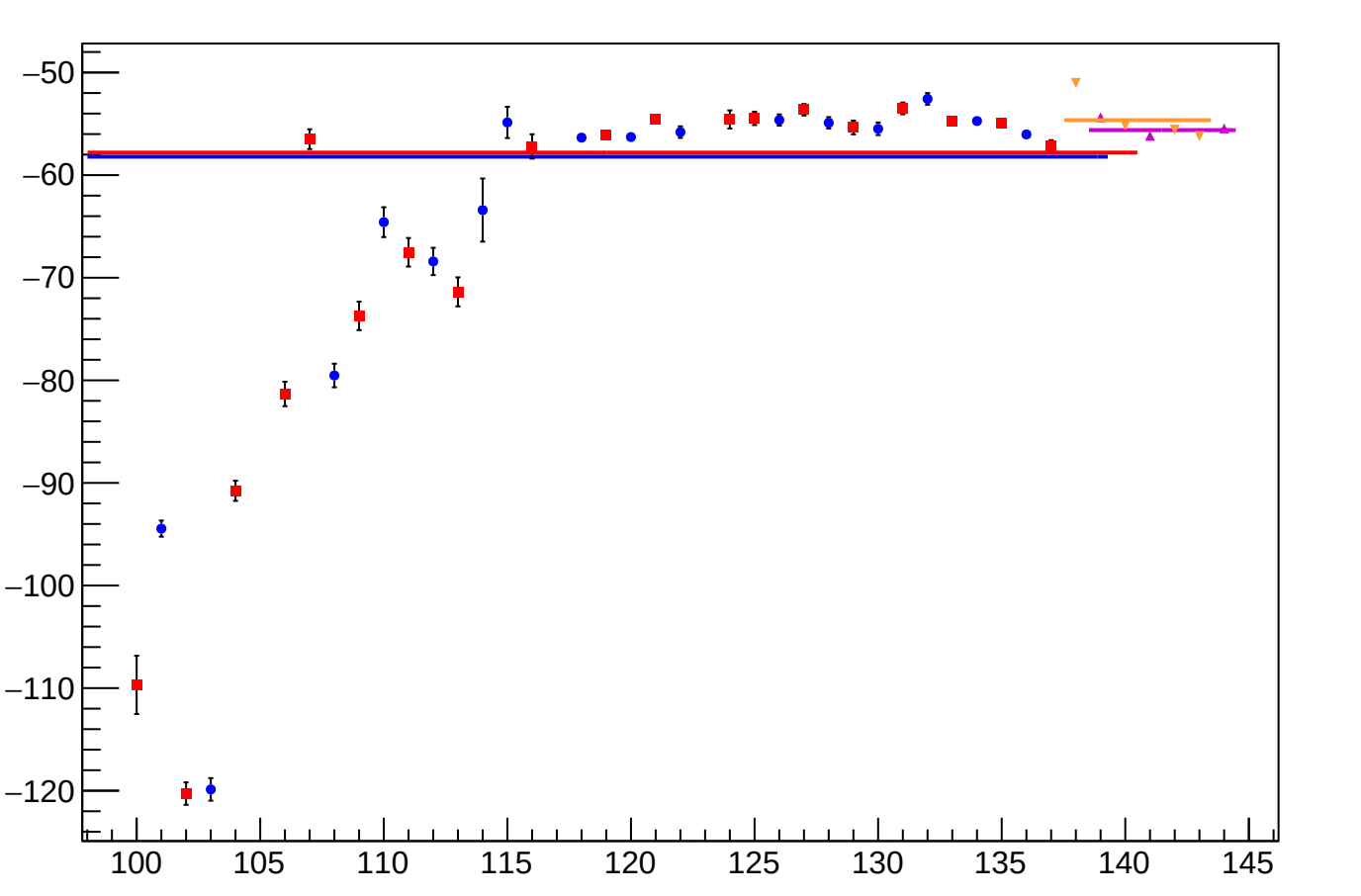
Left: -7.974+/-0.120 χ^2/NDF: 196.6/6

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.523+/-0.107 χ^2/NDF:468.6/18

Out: -5.889+/-0.107 χ^2/NDF:1216.1/22

All: -5.206+/-0.075 χ^2/NDF: 1766.6/41



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.643+/-0.143 χ^2/NDF:177.5/3

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.612+/-0.172 χ^2/NDF:13.6/2

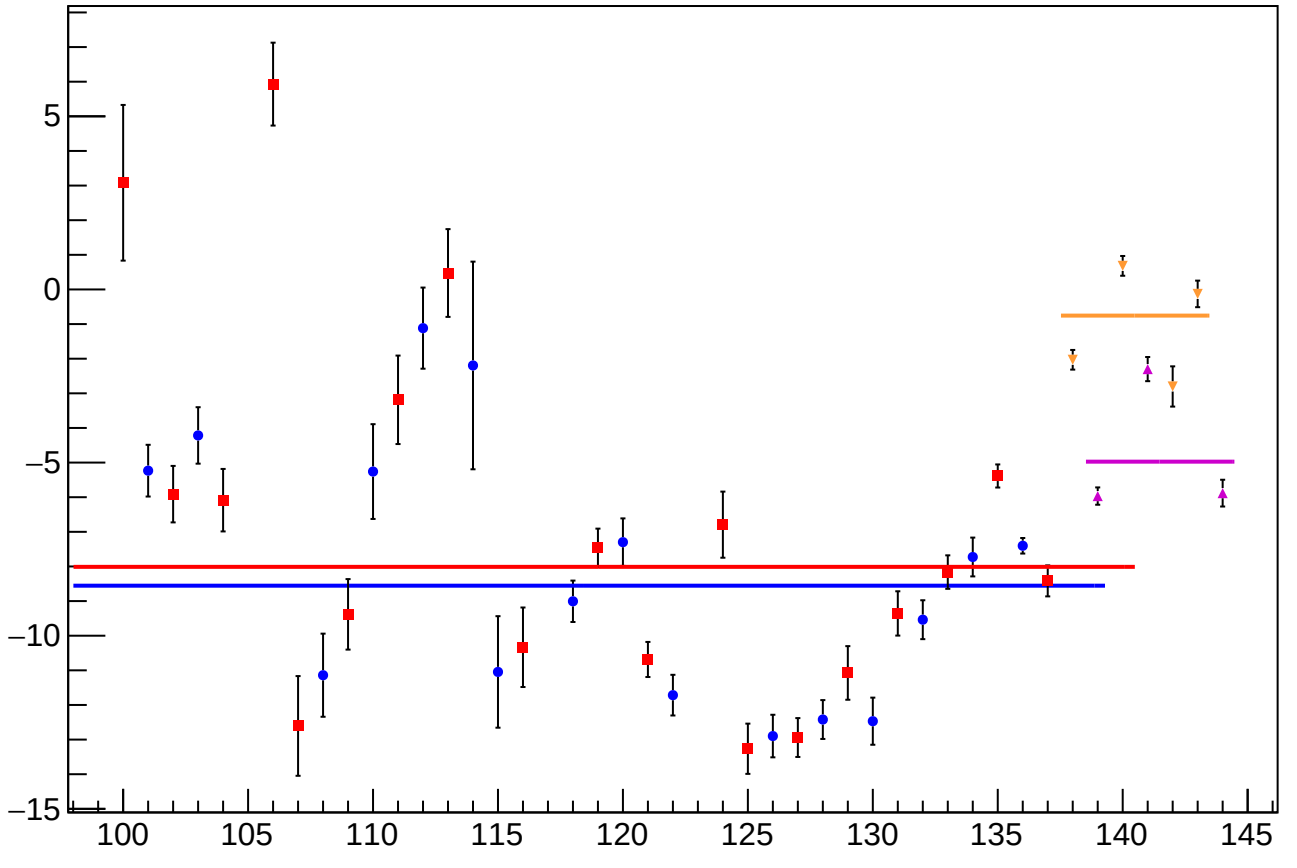
Left: -55.040+/-0.110 χ^2/NDF: 210.0/6

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.208+/-0.106 χ^2/NDF:6281.1/18

Out: -56.274+/-0.099 χ^2/NDF:6222.3/22

All: -56.710+/-0.073 χ^2/NDF: 12544.6/41



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -0.755+/-0.170 χ^2/NDF:60.6/3

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -4.973+/-0.180 χ^2/NDF:80.1/2

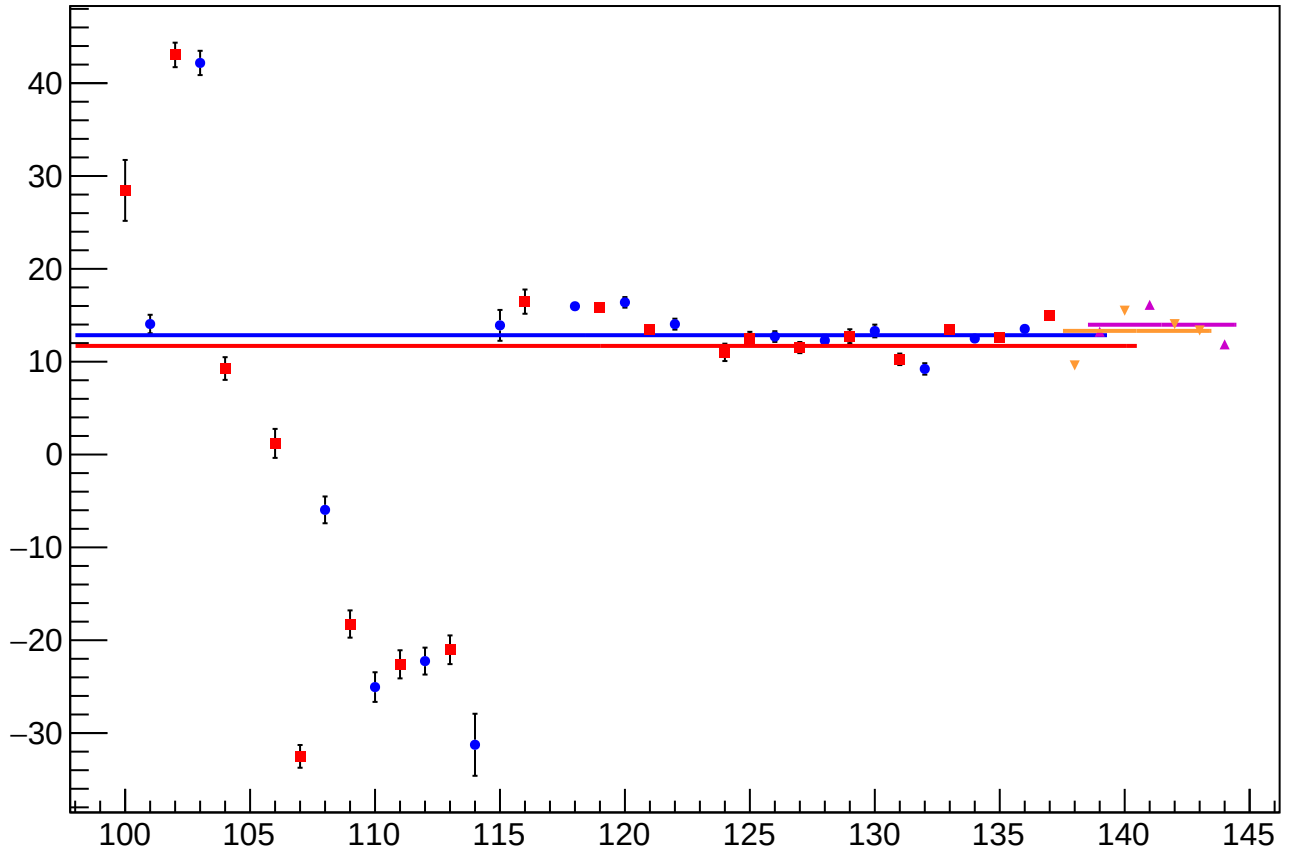
Left: -2.750+/-0.124 χ^2/NDF: 430.3/6

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.148+/-0.113 χ^2/NDF:621.4/18

Out: -4.775+/-0.114 χ^2/NDF:1553.9/22

All: -5.972+/-0.080 χ^2/NDF: 2394.7/41



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.319+/-0.167 χ^2/NDF:180.2/3

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.981+/-0.194 χ^2/NDF:97.3/2

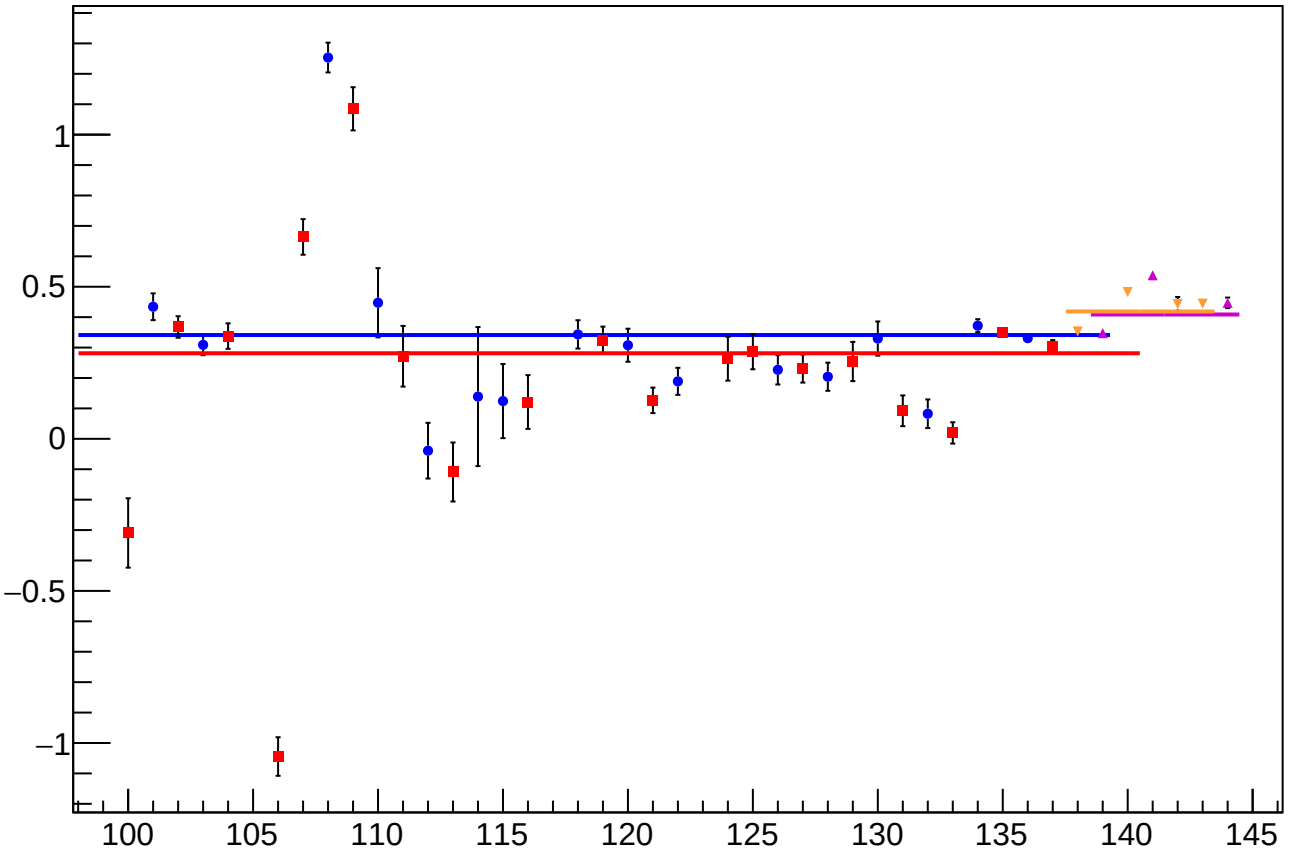
Left: 13.600+/-0.127 χ^2/NDF: 284.1/6

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.276+/-0.119 χ^2/NDF:2246.8/18

Out: 12.450+/-0.114 χ^2/NDF:3729.6/22

All: 12.844+/-0.082 χ^2/NDF: 6001.5/41



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.419+/-0.007 χ^2/NDF:65.1/3

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.409+/-0.007 χ^2/NDF:134.7/2

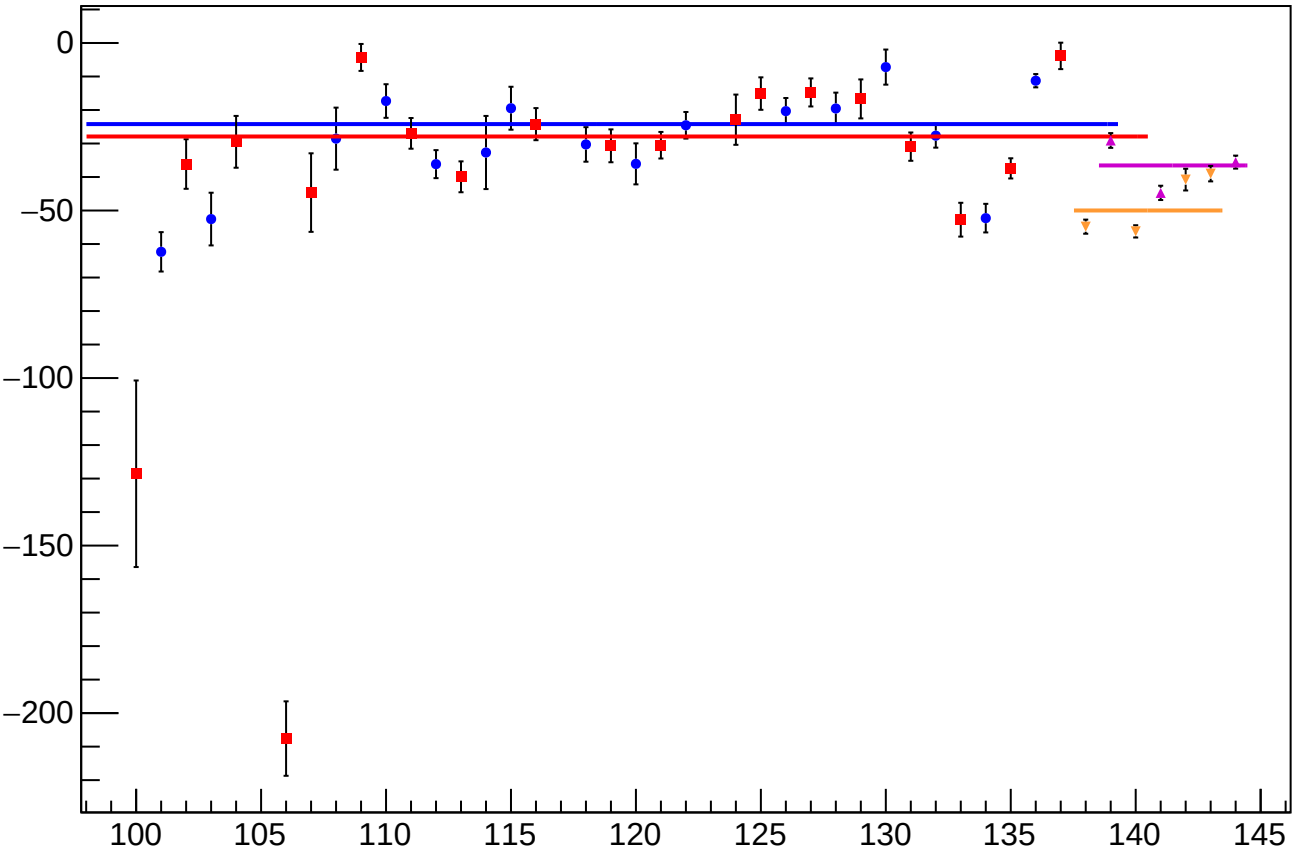
Left: 0.414+/-0.005 χ^2/NDF: 200.8/6

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.379+/-0.005 χ^2/NDF:611.0/18

Out: 0.363+/-0.005 χ^2/NDF:998.5/22

All: 0.371+/-0.004 χ^2/NDF: 1614.3/41



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.988+/-1.114 χ^2/NDF:47.6/3

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -36.547+/-1.204 χ^2/NDF:26.4/2

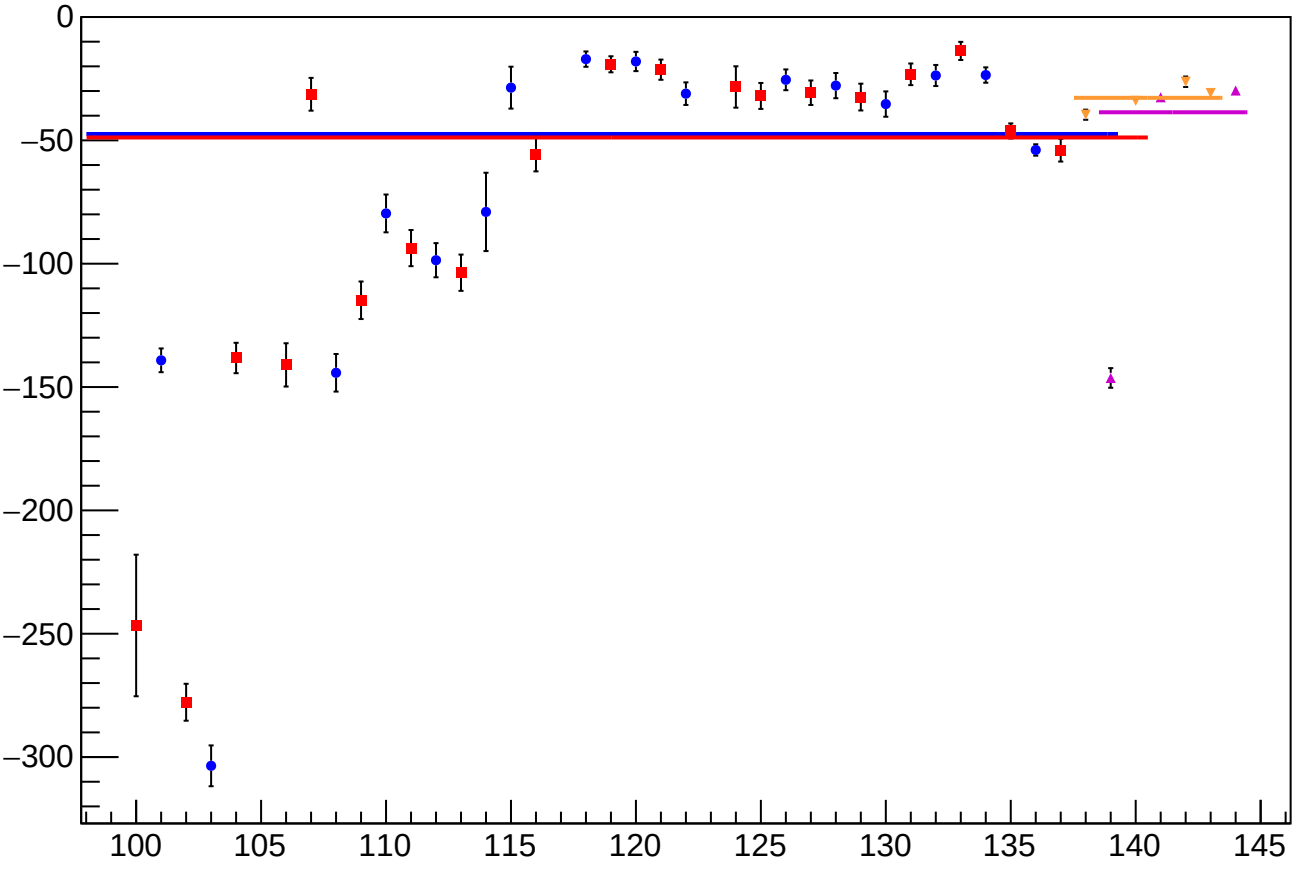
Left: -43.786+/-0.818 χ^2/NDF: 141.2/6

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -29.746+/-0.806 χ^2/NDF:255.1/18

Out: -39.173+/-0.796 χ^2/NDF:653.5/22

All: -34.523+/-0.566 χ^2/NDF: 977.8/41



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -32.760+/-0.894 χ^2/NDF:22.6/3

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -38.614+/-1.020 χ^2/NDF:783.2/2

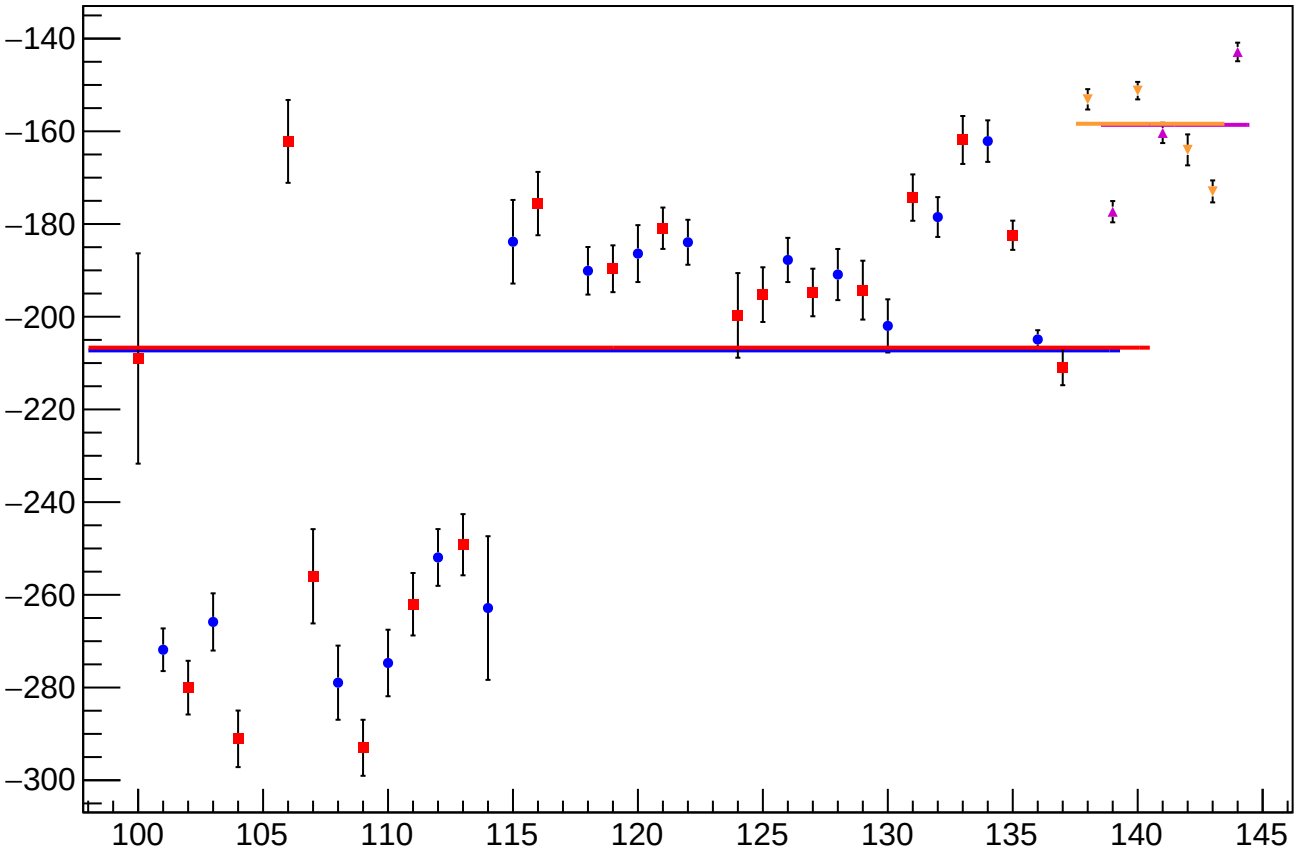
Left: -35.301+/-0.672 χ^2/NDF: 824.4/6

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -42.684+/-0.748 χ^2/NDF:2691.1/18

Out: -38.602+/-0.713 χ^2/NDF:1914.8/22

All: -40.544+/-0.516 χ^2/NDF: 4621.4/41



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -158.370+/-1.150 χ^2/NDF:60.8/3

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -158.605+/-1.243 χ^2/NDF:128.9/2

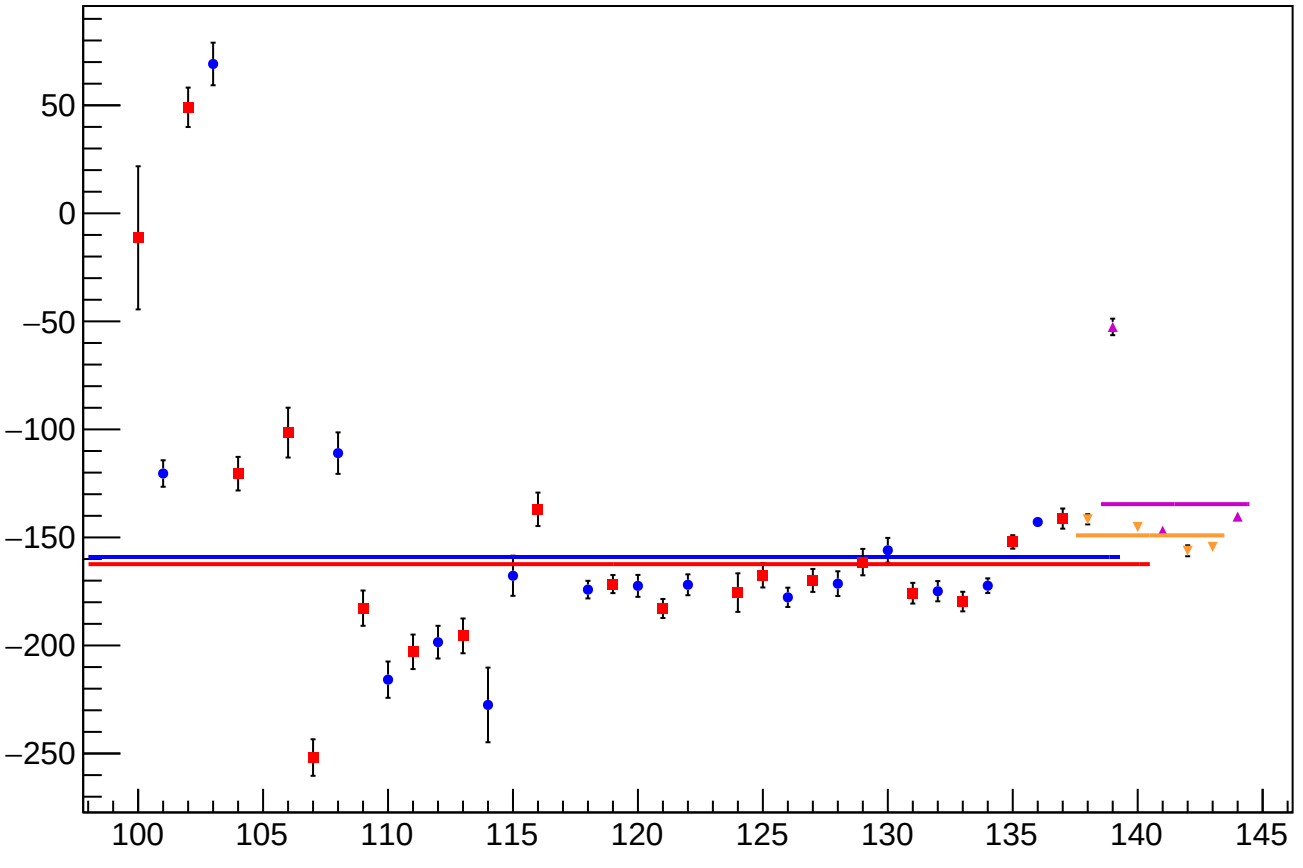
Left: -158.478+/-0.844 χ^2/NDF: 189.7/6

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -184.226+/-0.855 χ^2/NDF:1684.8/18

Out: -179.963+/-0.855 χ^2/NDF:1818.3/22

All: -182.095+/-0.605 χ^2/NDF: 3515.6/41



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.041+/-1.060 χ^2/NDF:29.7/3

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -134.593+/-1.185 χ^2/NDF:516.1/2

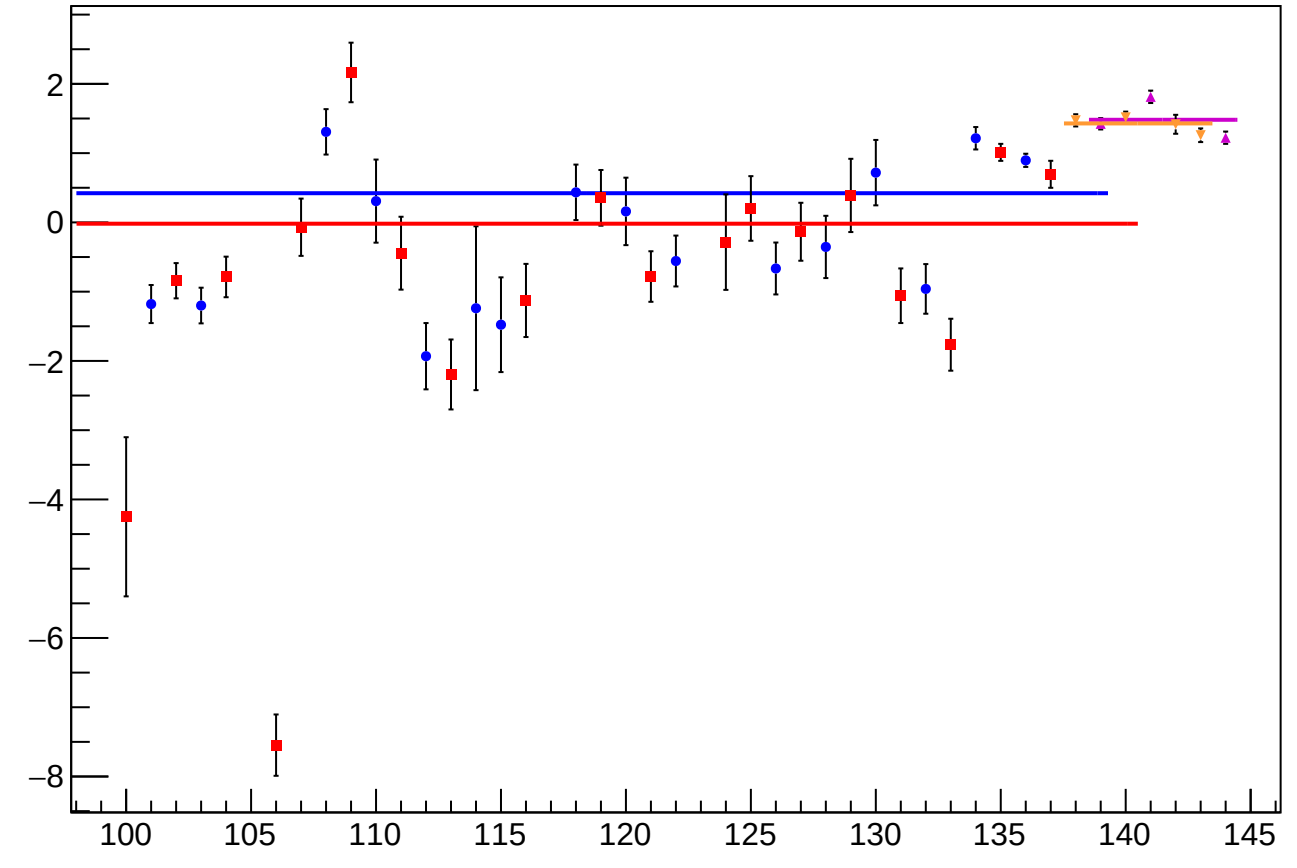
Left: -142.621+/-0.790 χ^2/NDF: 628.4/6

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -146.412+/-0.852 χ^2/NDF:1537.7/18

Out: -154.246+/-0.827 χ^2/NDF:964.0/22

All: -150.443+/-0.594 χ^2/NDF: 2545.2/41



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.429+/-0.048 χ^2/NDF:4.3/3

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.481+/-0.050 χ^2/NDF:22.7/2

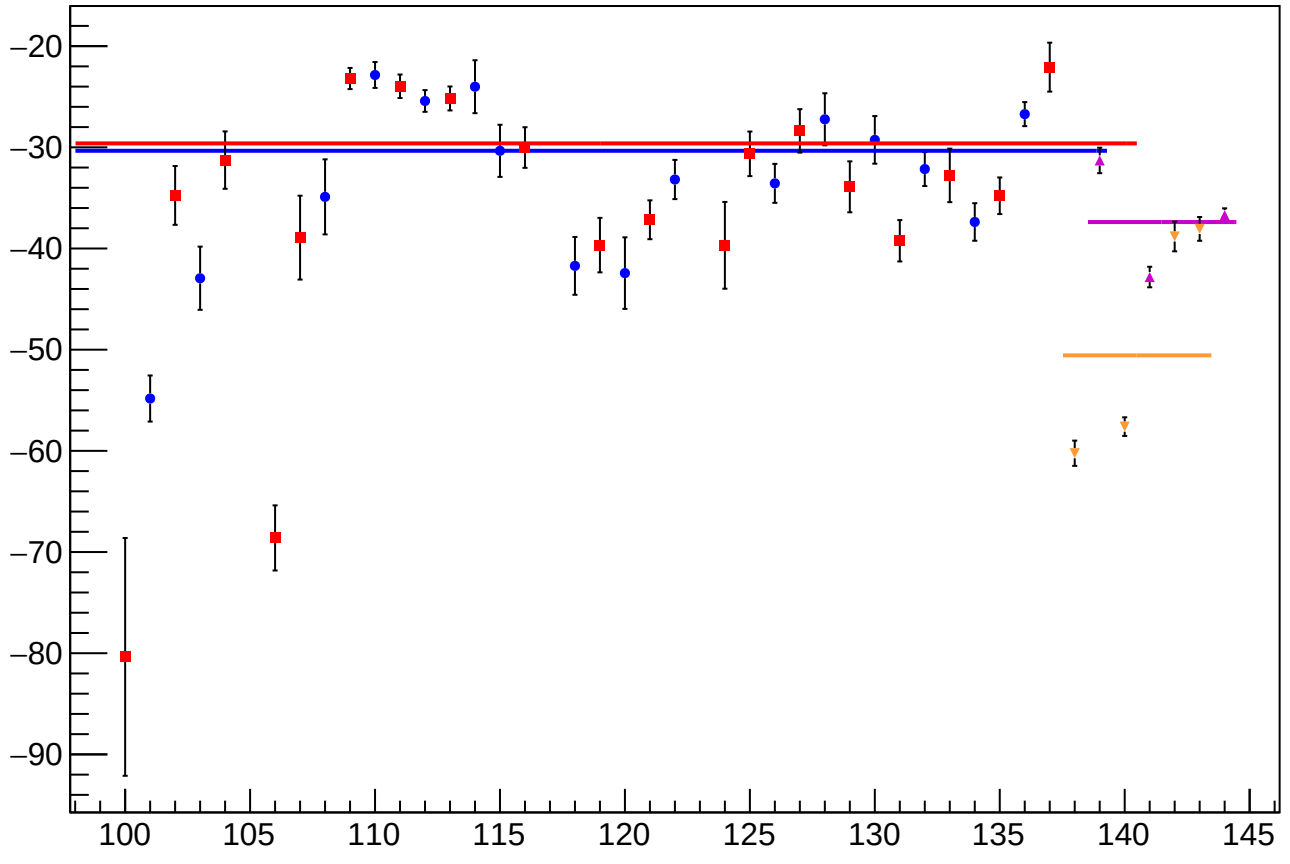
Left: 1.454+/-0.035 χ^2/NDF: 27.6/6

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.086+/-0.040 χ^2/NDF:387.9/18

Out: 0.981+/-0.040 χ^2/NDF:769.3/22

All: 1.034+/-0.028 χ^2/NDF: 1160.6/41



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -50.562+/-0.576 χ^2/NDF:296.0/3

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -37.385+/-0.517 χ^2/NDF:53.0/2

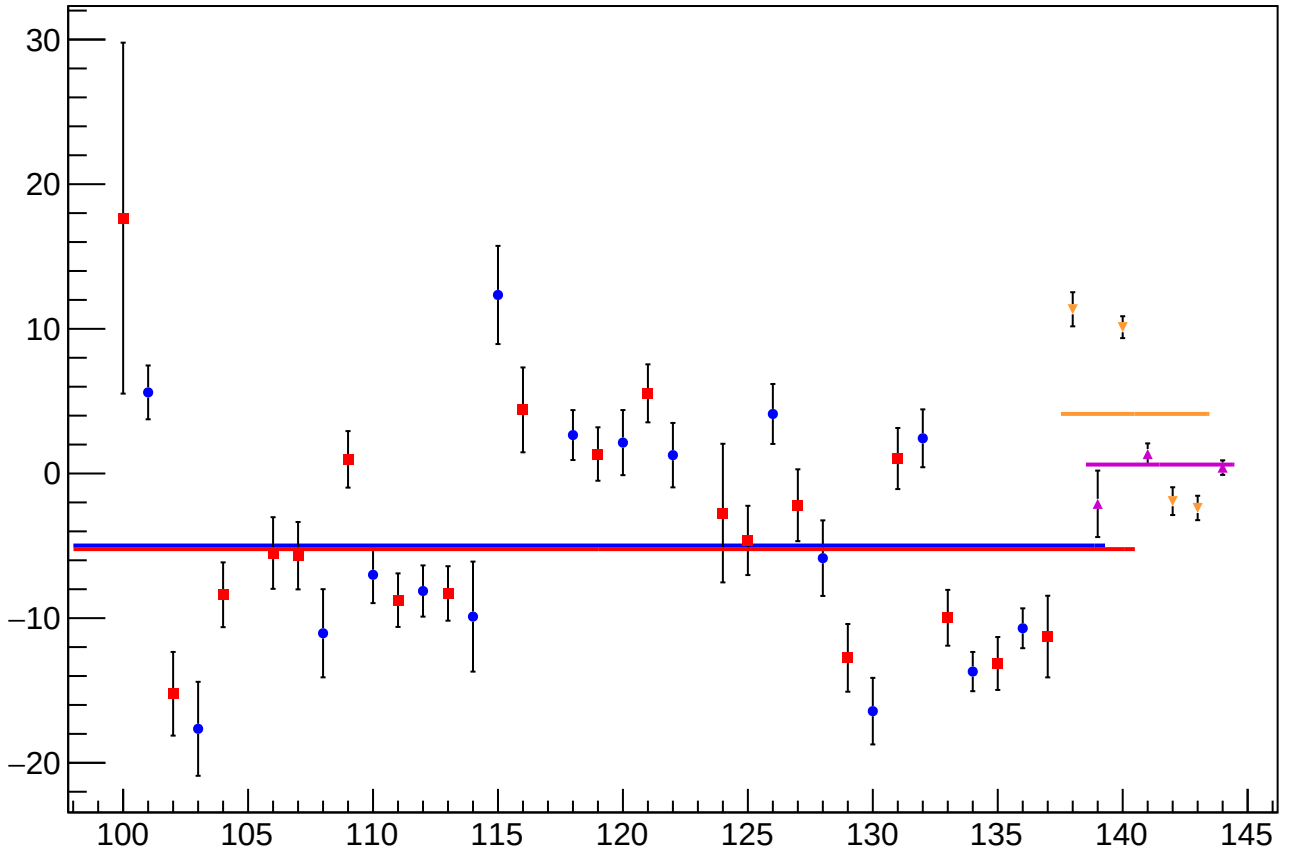
Left: -43.260+/-0.385 χ^2/NDF: 638.7/6

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -33.512+/-0.347 χ^2/NDF:408.7/18

Out: -37.557+/-0.355 χ^2/NDF:1445.4/22

All: -35.488+/-0.248 χ^2/NDF: 1920.4/41



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 4.121+/-0.449 χ^2/NDF:199.2/3

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: 0.617+/-0.409 χ^2/NDF:2.5/2

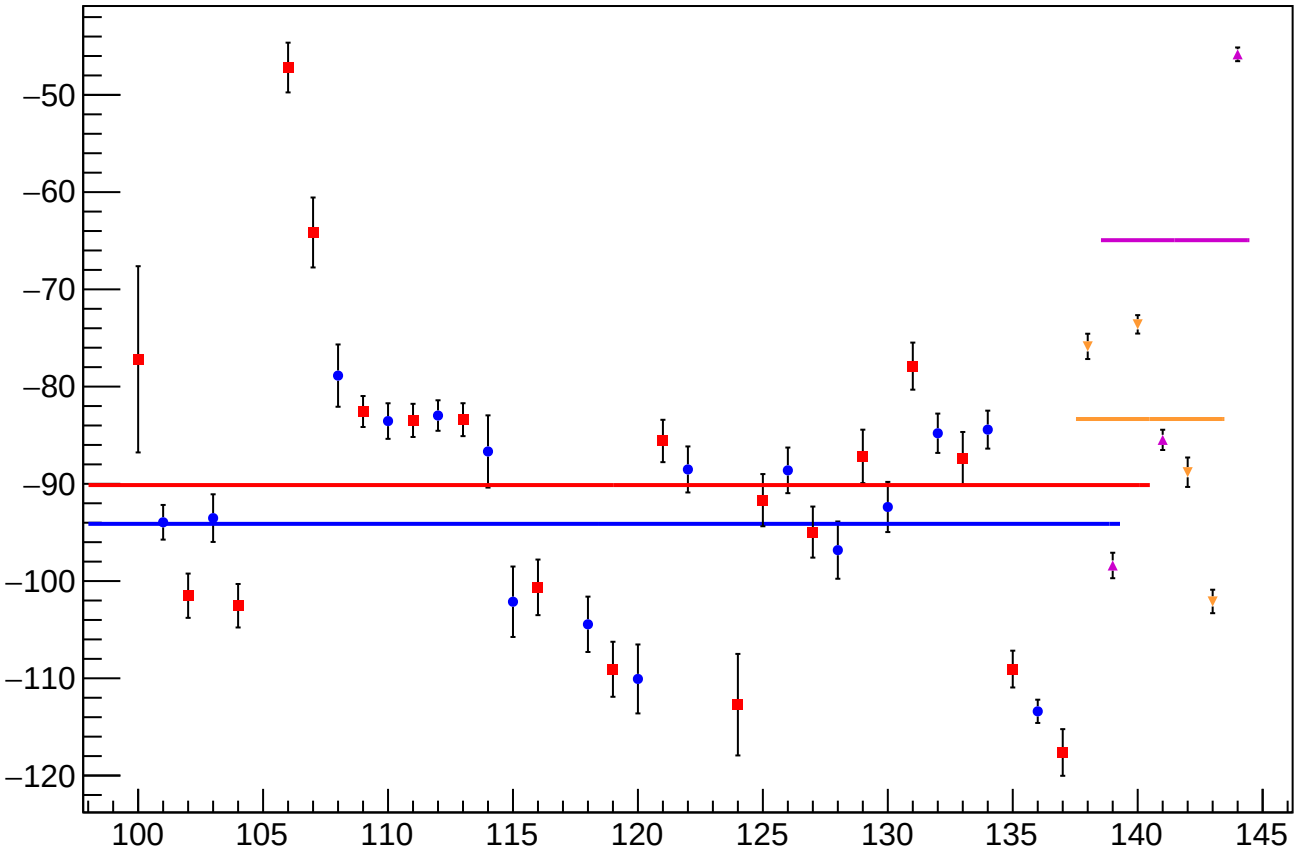
Left: 2.205+/-0.302 χ^2/NDF: 235.0/6

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -1.576+/-0.319 χ^2/NDF:313.2/18

Out: 0.157+/-0.341 χ^2/NDF:519.3/22

All: -0.767+/-0.233 χ^2/NDF: 846.3/41



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -83.333+/-0.595 χ^2/NDF:393.4/3

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -64.943+/-0.533 χ^2/NDF:1776.4/2

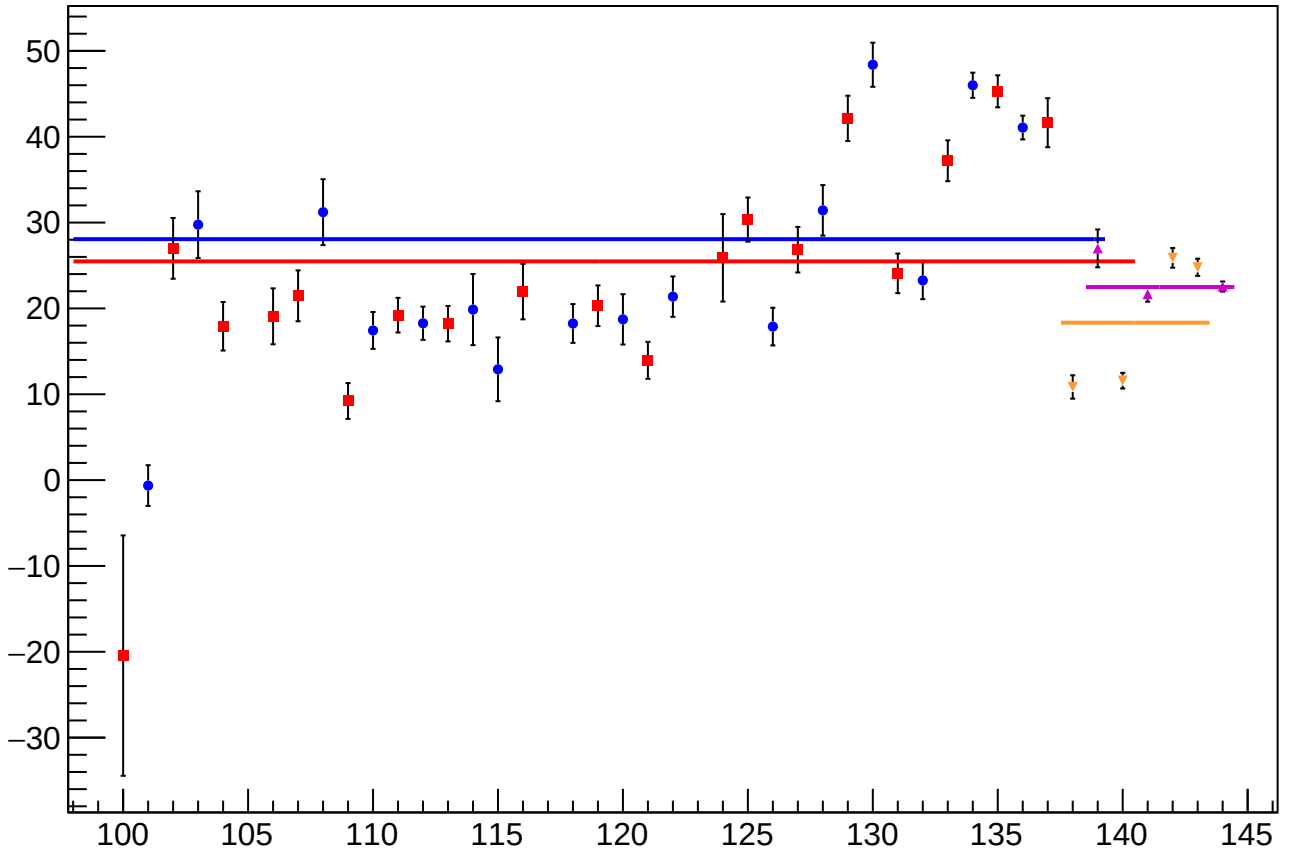
Left: -73.141+/-0.397 χ^2/NDF: 2700.0/6

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -79.426+/-0.378 χ^2/NDF:3729.1/18

Out: -87.038+/-0.401 χ^2/NDF:1253.9/22

All: -83.012+/-0.275 χ^2/NDF: 5173.7/41



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 18.334+/-0.535 χ^2/NDF:169.5/3

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 22.492+/-0.479 χ^2/NDF:5.1/2

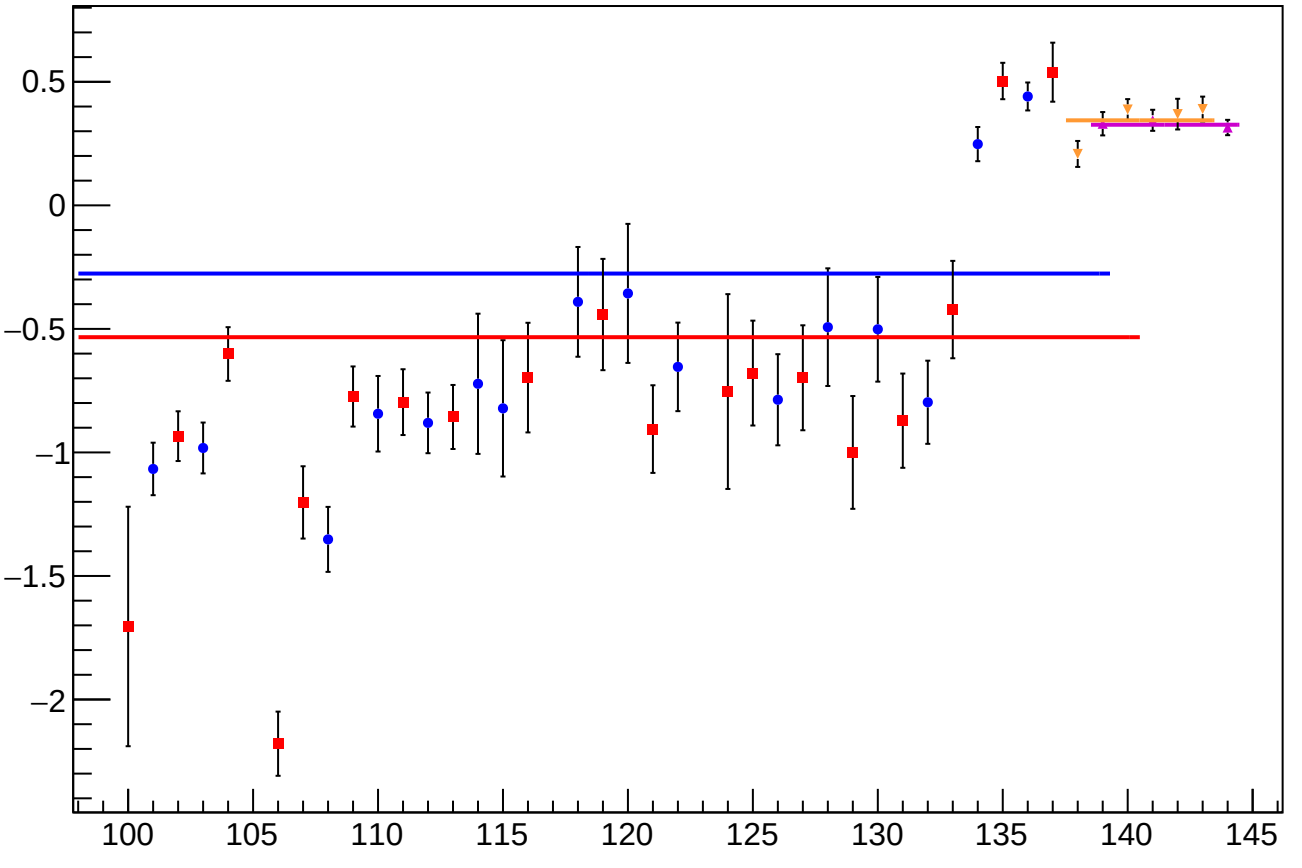
Left: 20.645+/-0.357 χ^2/NDF: 208.1/6

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 24.803+/-0.366 χ^2/NDF:644.4/18

Out: 21.557+/-0.397 χ^2/NDF:604.5/22

All: 23.309+/-0.269 χ^2/NDF: 1285.1/41



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.344+/-0.025 χ^2/NDF:8.8/3

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.326+/-0.022 χ^2/NDF:0.3/2

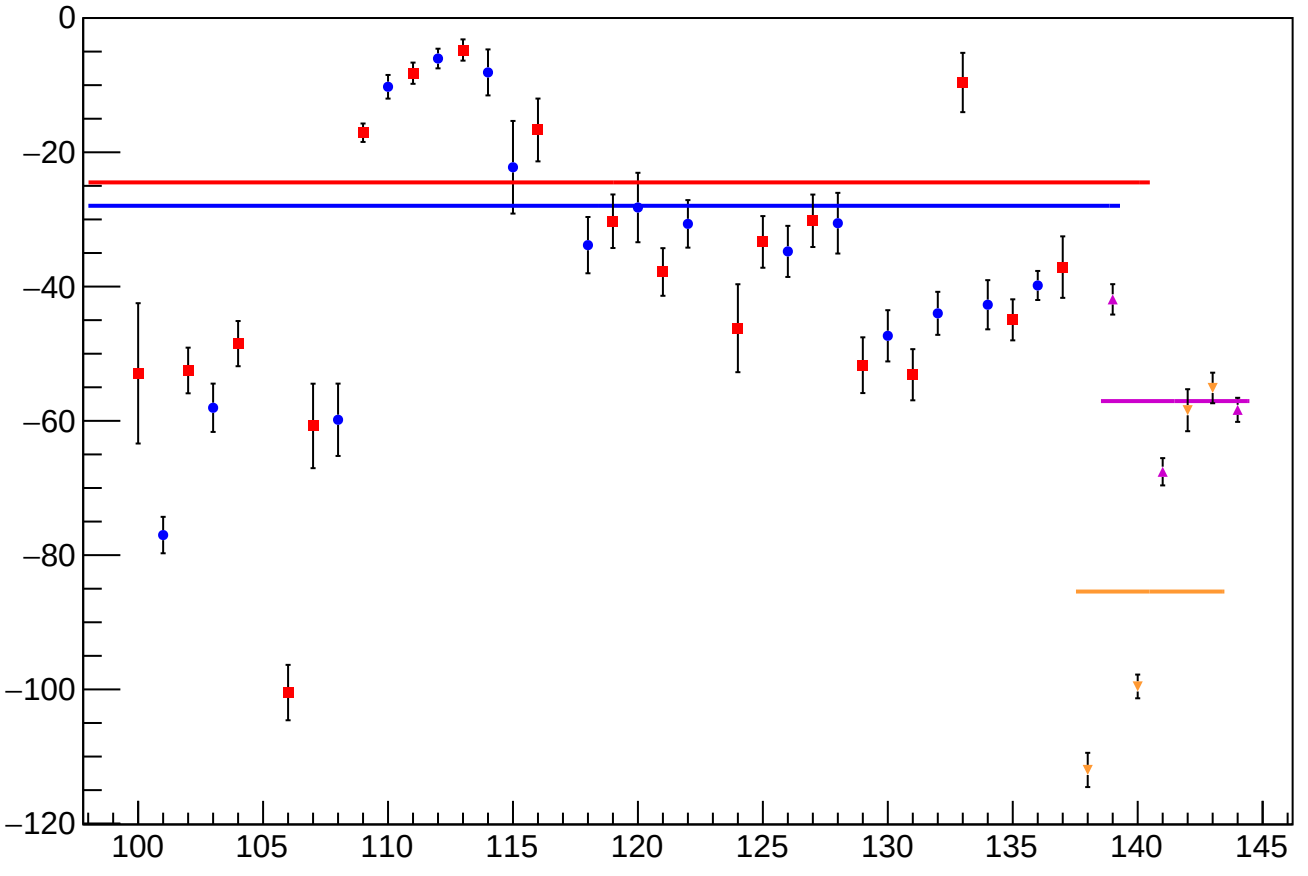
Left: 0.334+/-0.017 χ^2/NDF: 9.4/6

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.119+/-0.018 χ^2/NDF:709.7/18

Out: 0.020+/-0.020 χ^2/NDF:969.0/22

All: 0.075+/-0.013 χ^2/NDF: 1692.6/41



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -85.423+/-1.140 χ^2/NDF:424.9/3

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -57.056+/-1.156 χ^2/NDF:72.2/2

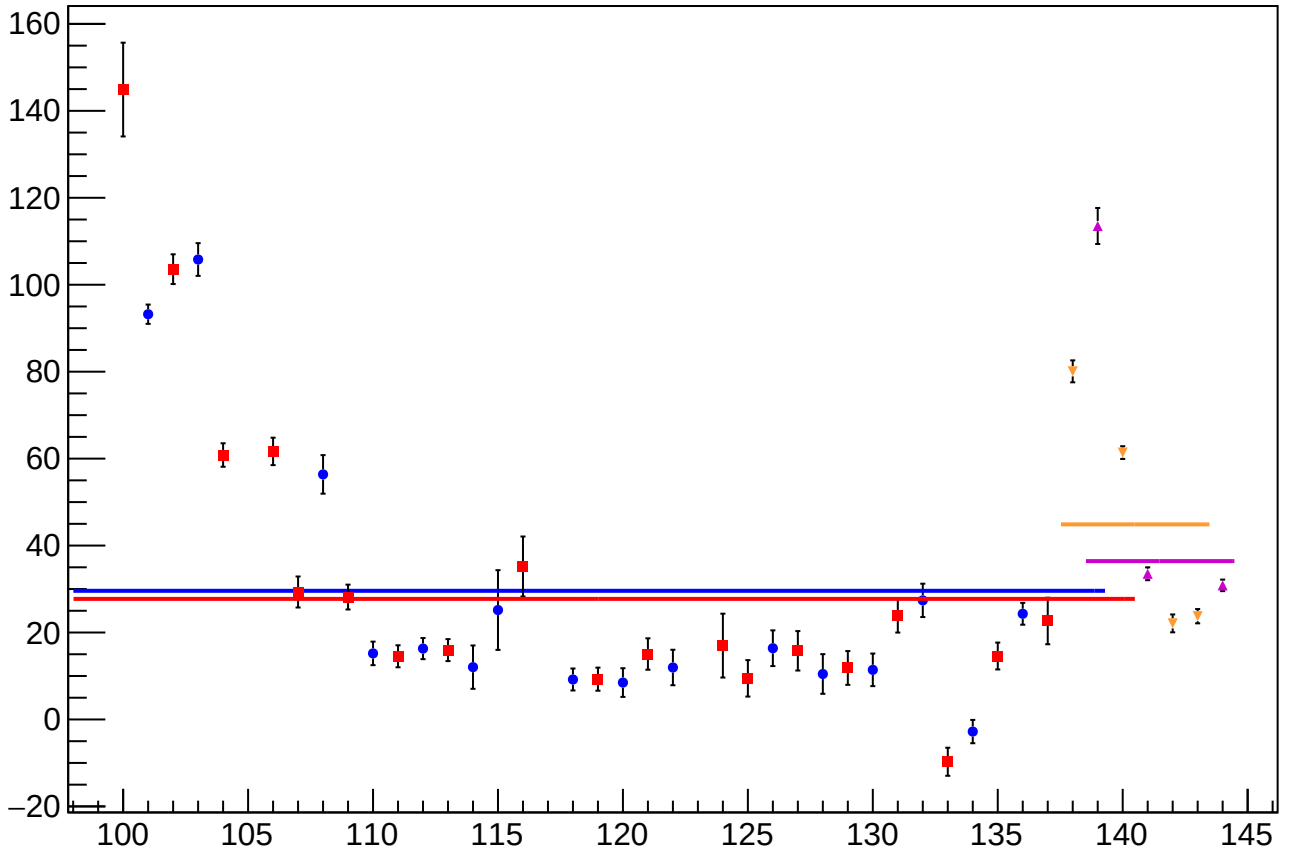
Left: -71.440+/-0.812 χ^2/NDF: 802.4/6

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -36.222+/-0.616 χ^2/NDF:1420.4/18

Out: -39.889+/-0.573 χ^2/NDF:3551.0/22

All: -38.188+/-0.419 χ^2/NDF: 4990.4/41



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 44.872+/-0.902 χ^2/NDF:608.7/3

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 36.426+/-0.962 χ^2/NDF:367.7/2

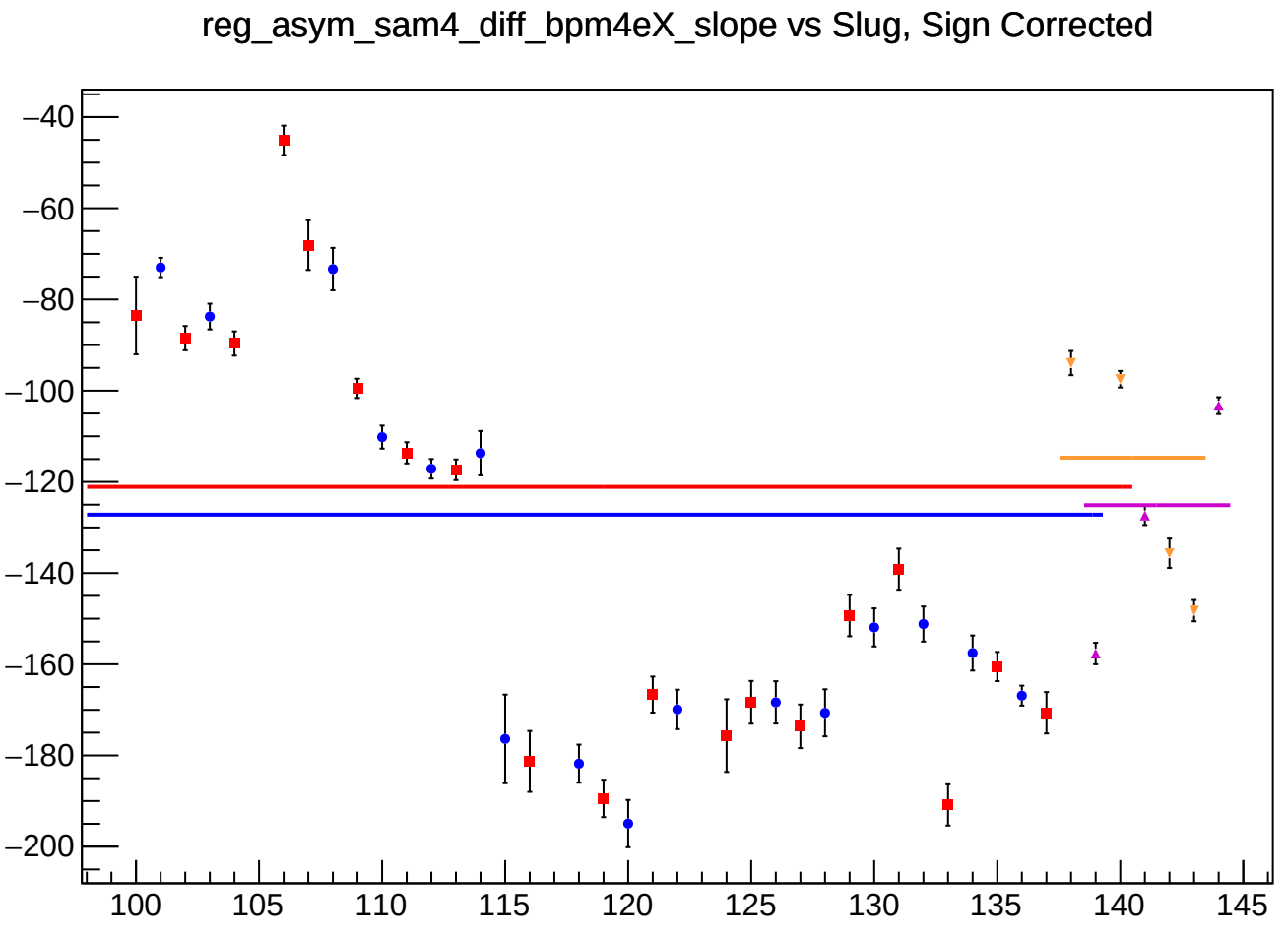
Left: 40.920+/-0.658 χ^2/NDF: 1017.5/6

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 32.416+/-0.618 χ^2/NDF:2063.0/18

Out: 35.246+/-0.597 χ^2/NDF:1996.4/22

All: 33.880+/-0.430 χ^2/NDF: 4070.3/41



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -114.687+/-1.176 χ^2/NDF:398.5/3

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -125.114+/-1.193 χ^2/NDF:331.7/2

Left: -119.827+/-0.837 χ^2/NDF: 768.9/6

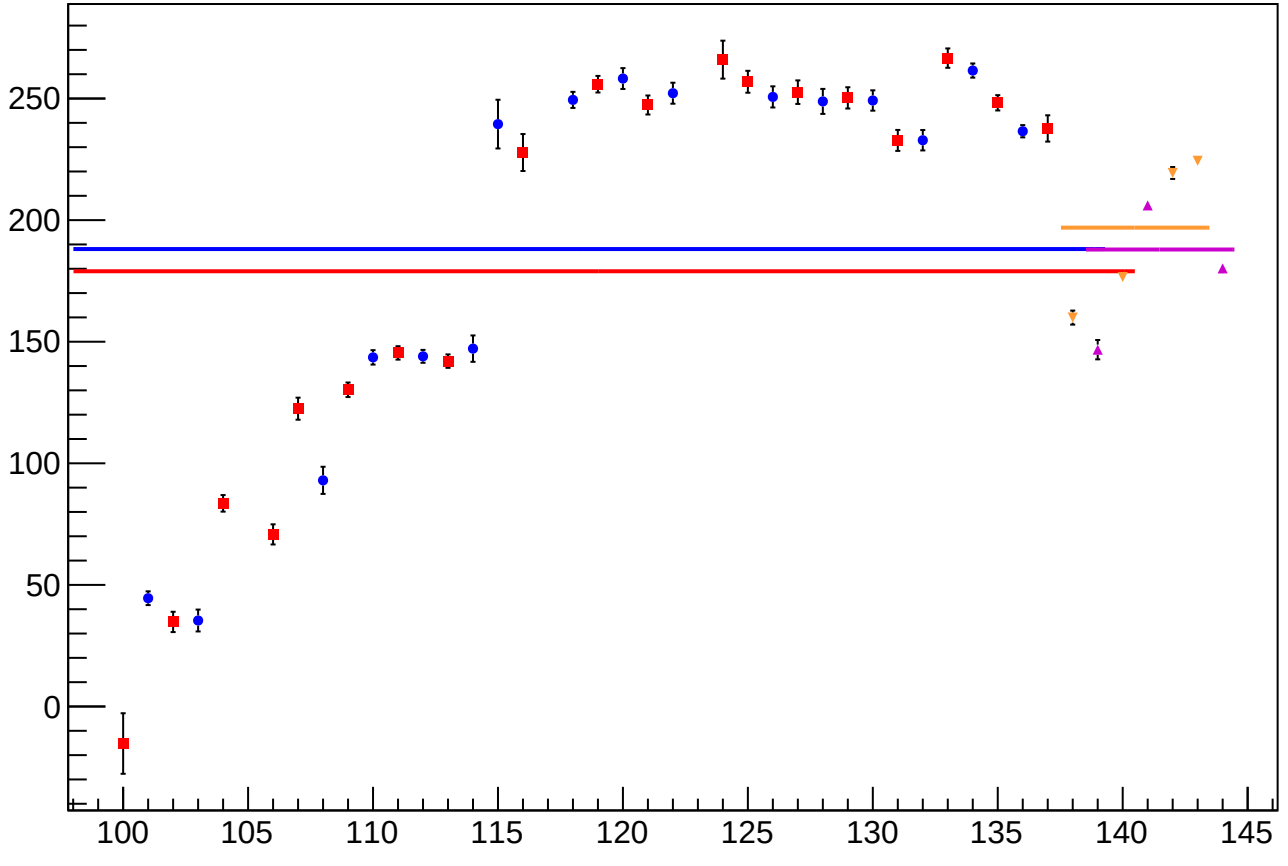
Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -126.513+/-0.681 χ^2/NDF:2511.9/18

Out: -119.069+/-0.660 χ^2/NDF:2816.1/22

All: -122.676+/-0.474 χ^2/NDF: 5389.6/41

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.910+/-1.071 χ^2/NDF:580.1/3

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 187.916+/-1.119 χ^2/NDF:237.8/2

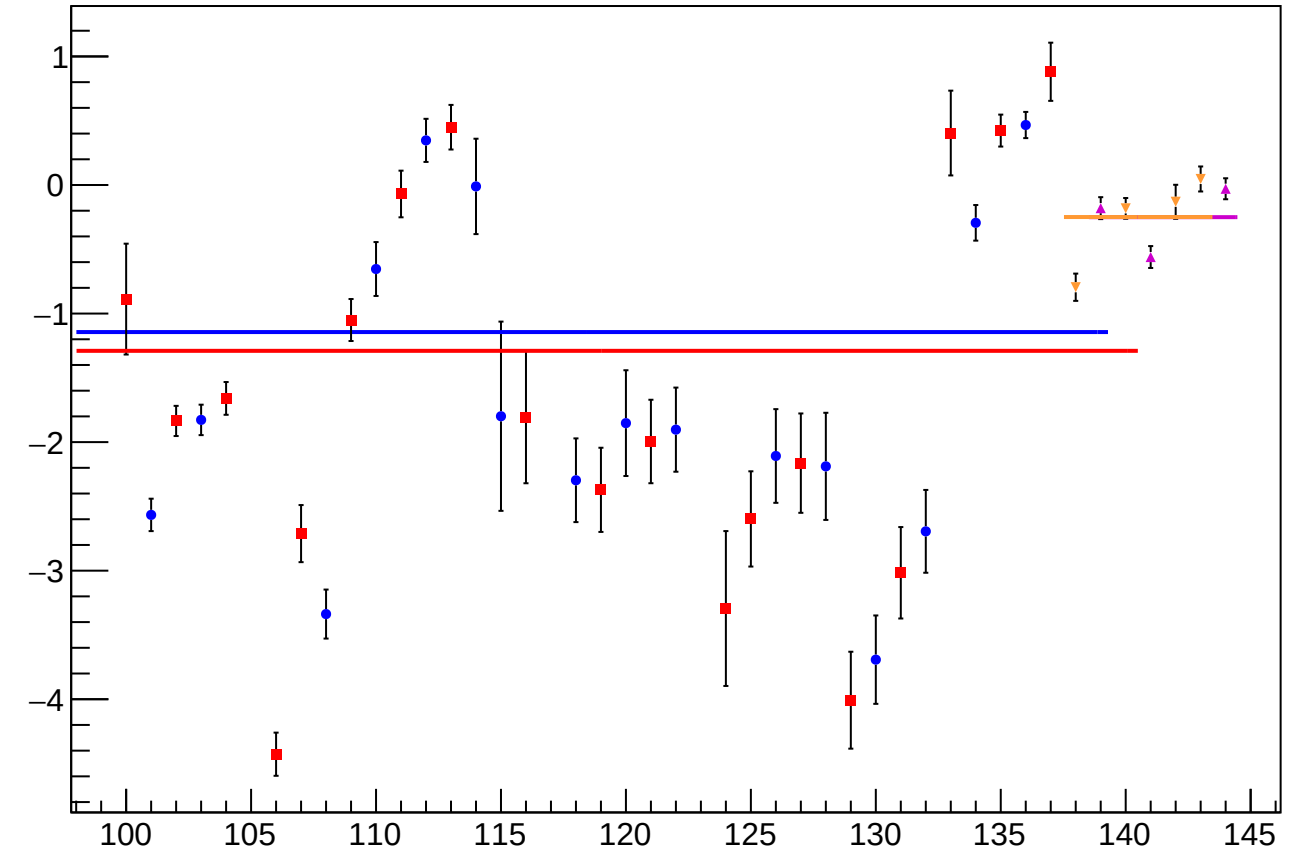
Left: 192.609+/-0.774 χ^2/NDF: 851.6/6

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 188.030+/-0.710 χ^2/NDF:7356.4/18

Out: 186.472+/-0.693 χ^2/NDF:7412.1/22

All: 187.232+/-0.496 χ^2/NDF: 14771.0/41



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.249+/-0.050 χ^2/NDF:37.3/3

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.250+/-0.048 χ^2/NDF:21.3/2

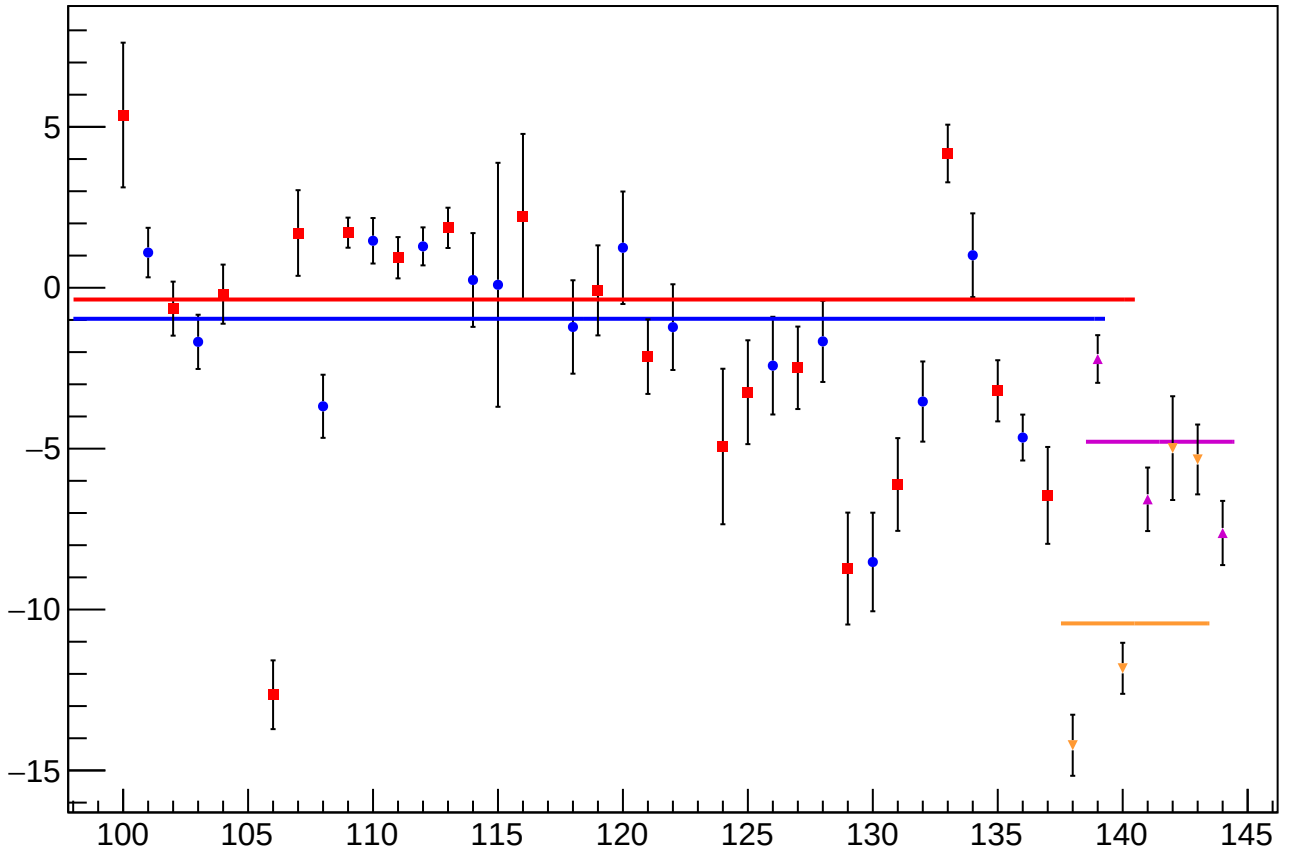
Left: -0.250+/-0.035 χ^2/NDF: 58.6/6

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.701+/-0.034 χ^2/NDF:980.4/18

Out: -0.792+/-0.034 χ^2/NDF:1265.6/22

All: -0.746+/-0.024 χ^2/NDF: 2249.5/41



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -10.431+/-0.504 χ^2/NDF:52.5/3

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -4.786+/-0.509 χ^2/NDF:23.4/2

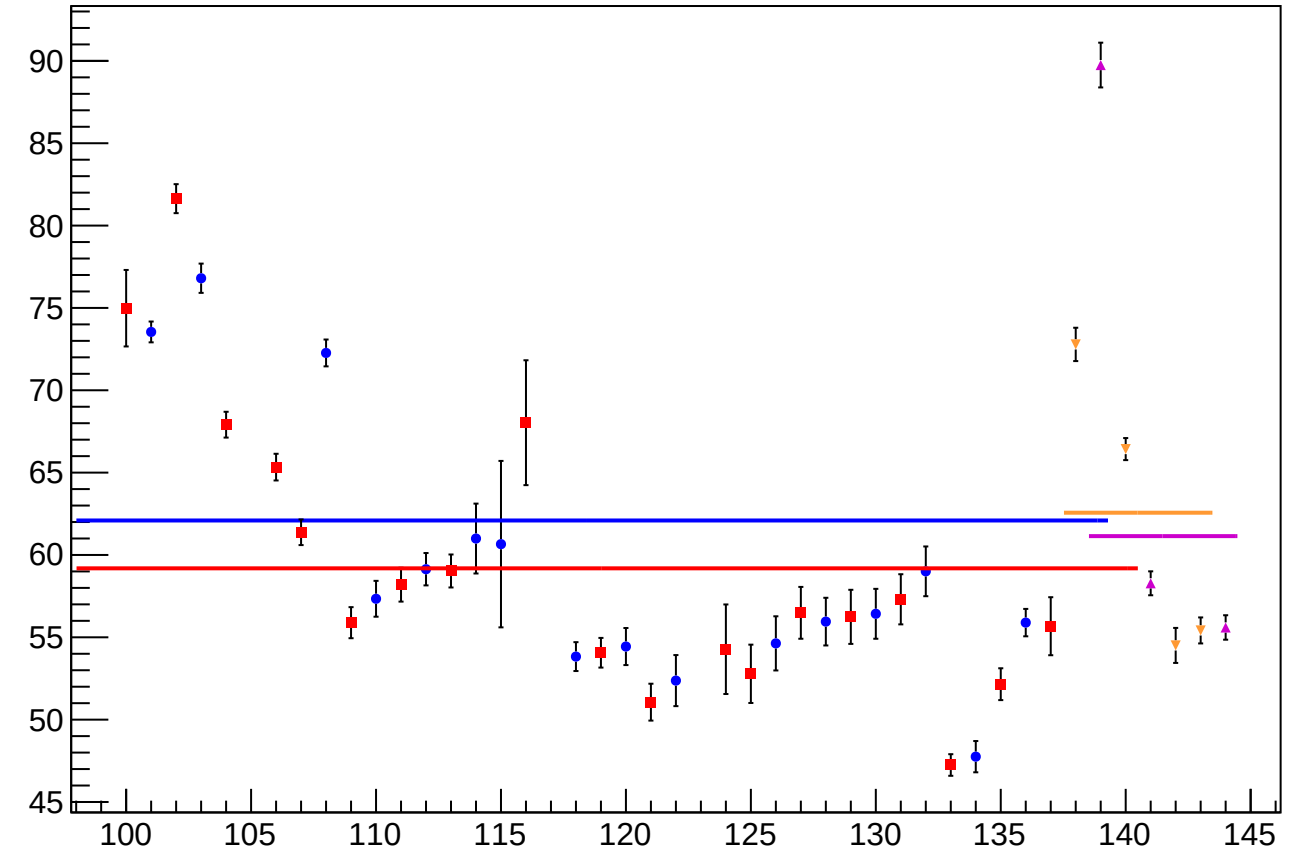
Left: -7.638+/-0.358 χ^2/NDF: 137.9/6

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.721+/-0.227 χ^2/NDF:171.7/18

Out: -2.021+/-0.204 χ^2/NDF:666.1/22

All: -1.887+/-0.152 χ^2/NDF: 838.8/41



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 62.565+/-0.419 χ^2/NDF:274.7/3

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 61.144+/-0.485 χ^2/NDF:514.4/2

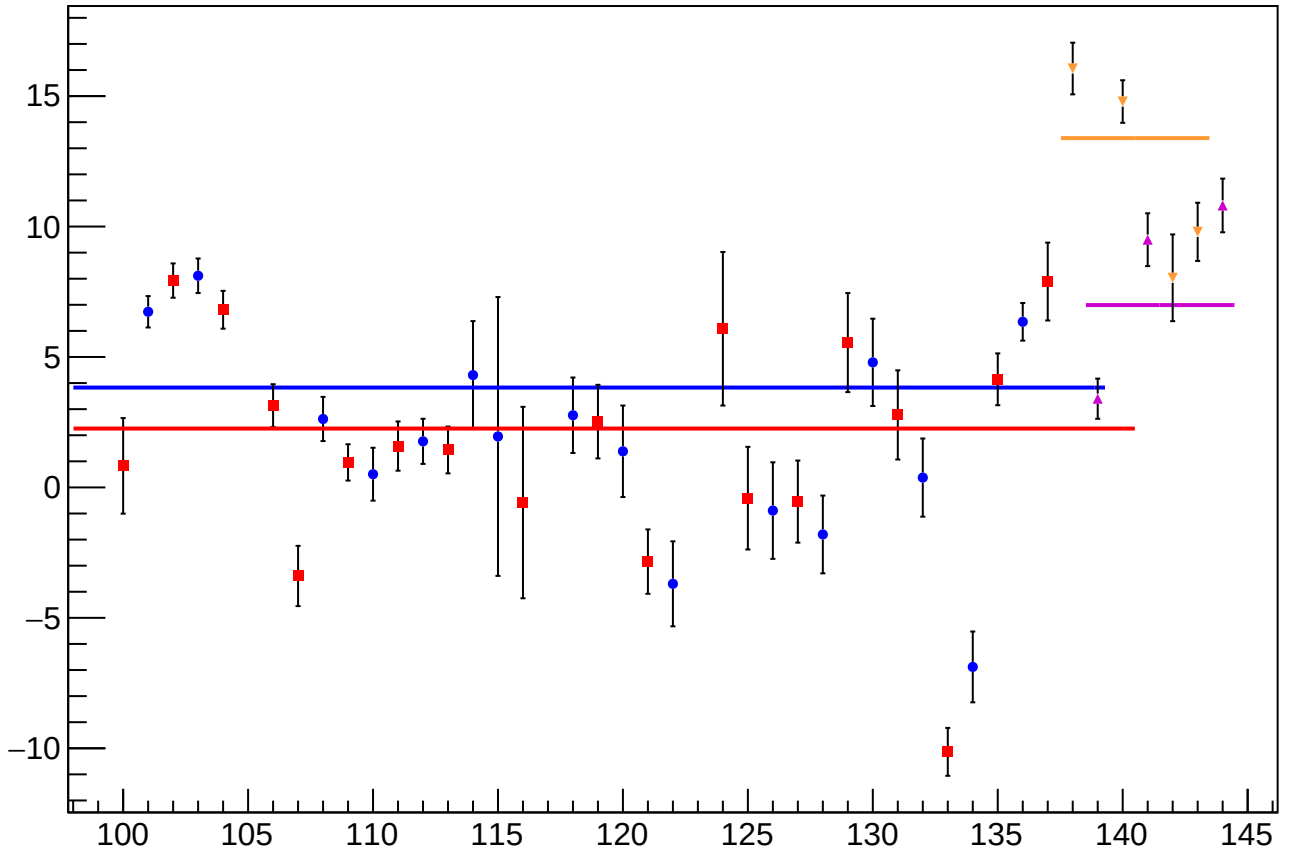
Left: 61.958+/-0.317 χ^2/NDF: 794.0/6

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.875+/-0.233 χ^2/NDF:1818.6/18

Out: 60.042+/-0.211 χ^2/NDF:1725.4/22

All: 60.867+/-0.156 χ^2/NDF: 3578.0/41



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 13.390+/-0.521 χ^2/NDF:30.9/3

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 6.990+/-0.527 χ^2/NDF:41.6/2

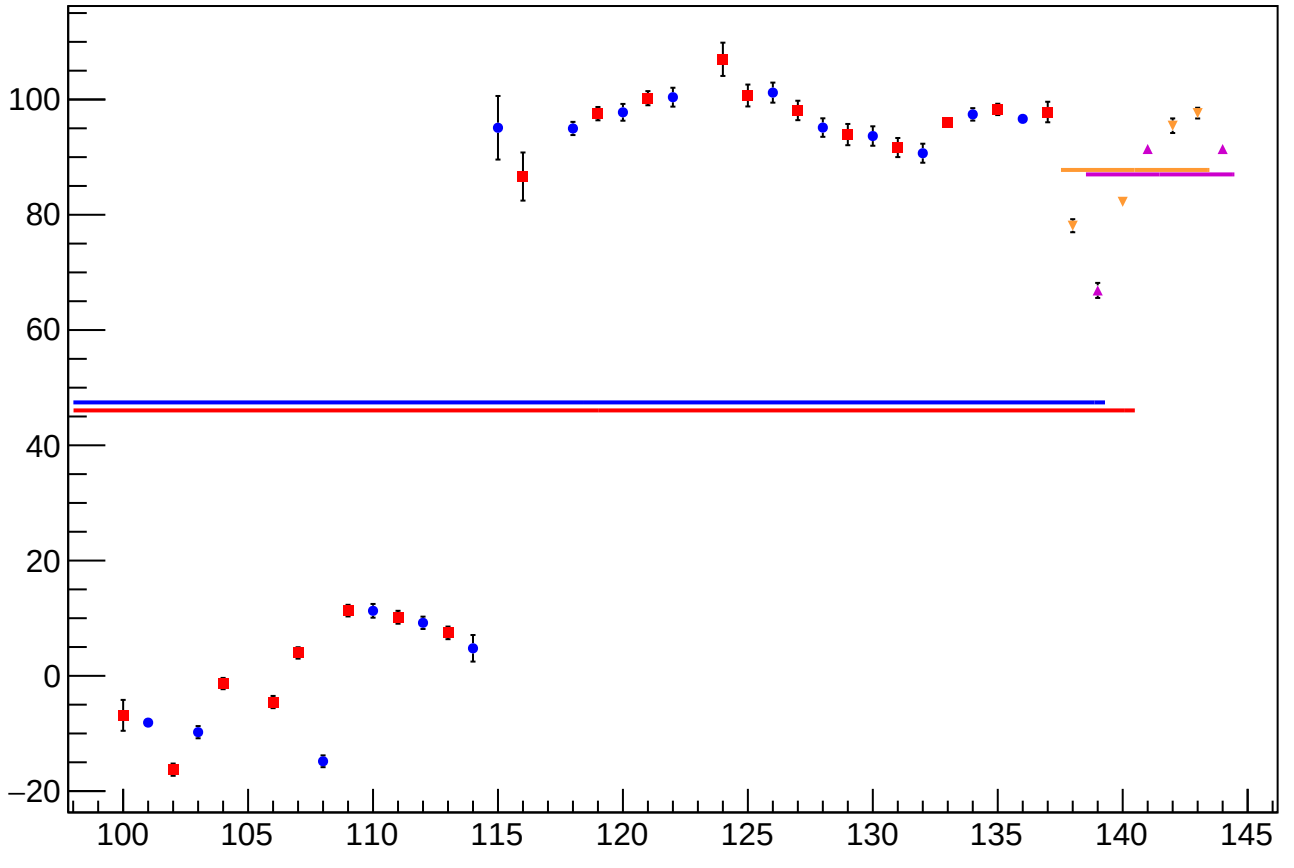
Left: 10.224+/-0.370 χ^2/NDF: 147.2/6

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.468+/-0.237 χ^2/NDF:279.0/18

Out: 4.293+/-0.223 χ^2/NDF:776.1/22

All: 4.375+/-0.162 χ^2/NDF: 1055.4/41



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.778+/-0.493 χ^2/NDF:269.2/3

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 87.002+/-0.553 χ^2/NDF:289.9/2

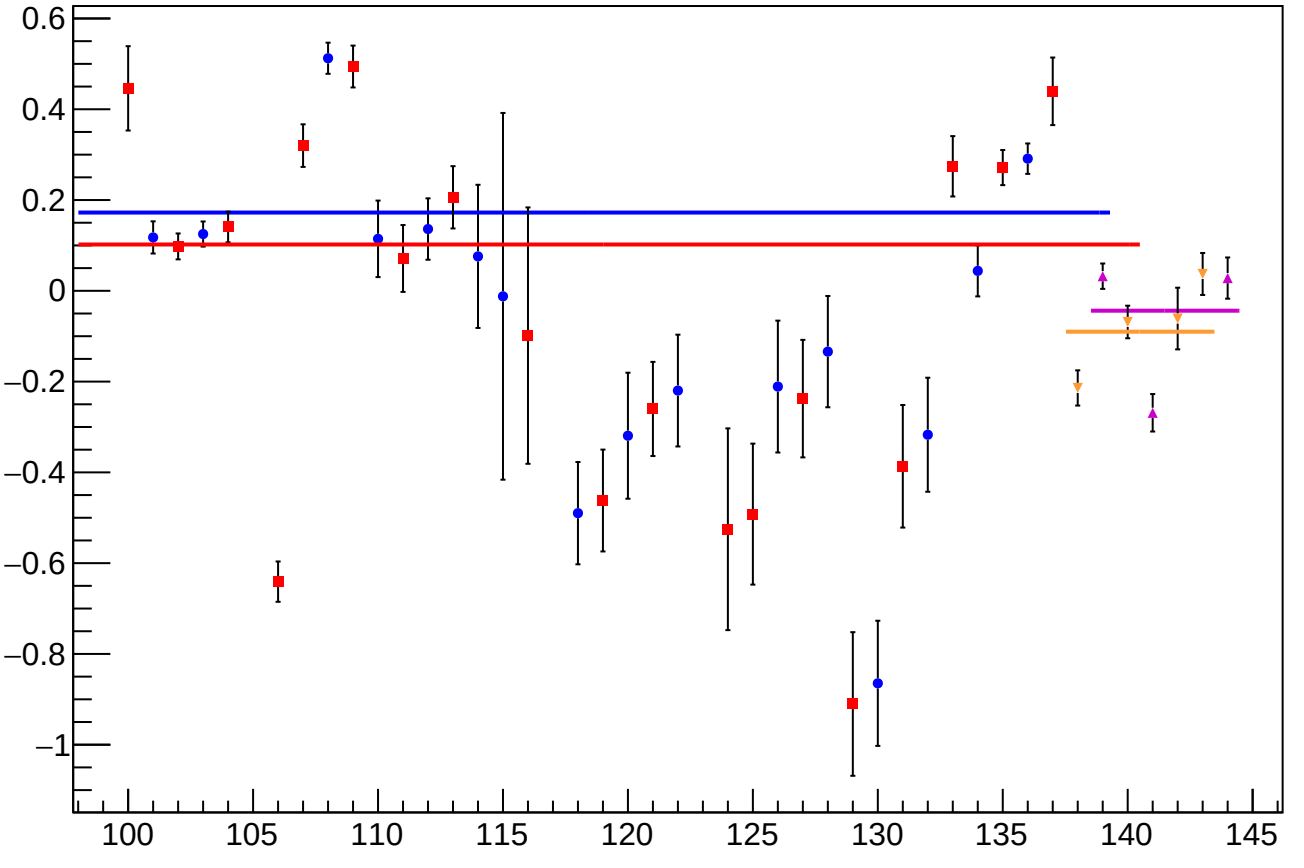
Left: 87.434+/-0.368 χ^2/NDF: 560.1/6

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 56.804+/-0.269 χ^2/NDF:31078.9/18

Out: 56.462+/-0.246 χ^2/NDF:34535.2/22

All: 56.618+/-0.182 χ^2/NDF: 65615.0/41



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.090+/-0.022 χ^2/NDF:18.3/3

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.044+/-0.021 χ^2/NDF:39.6/2

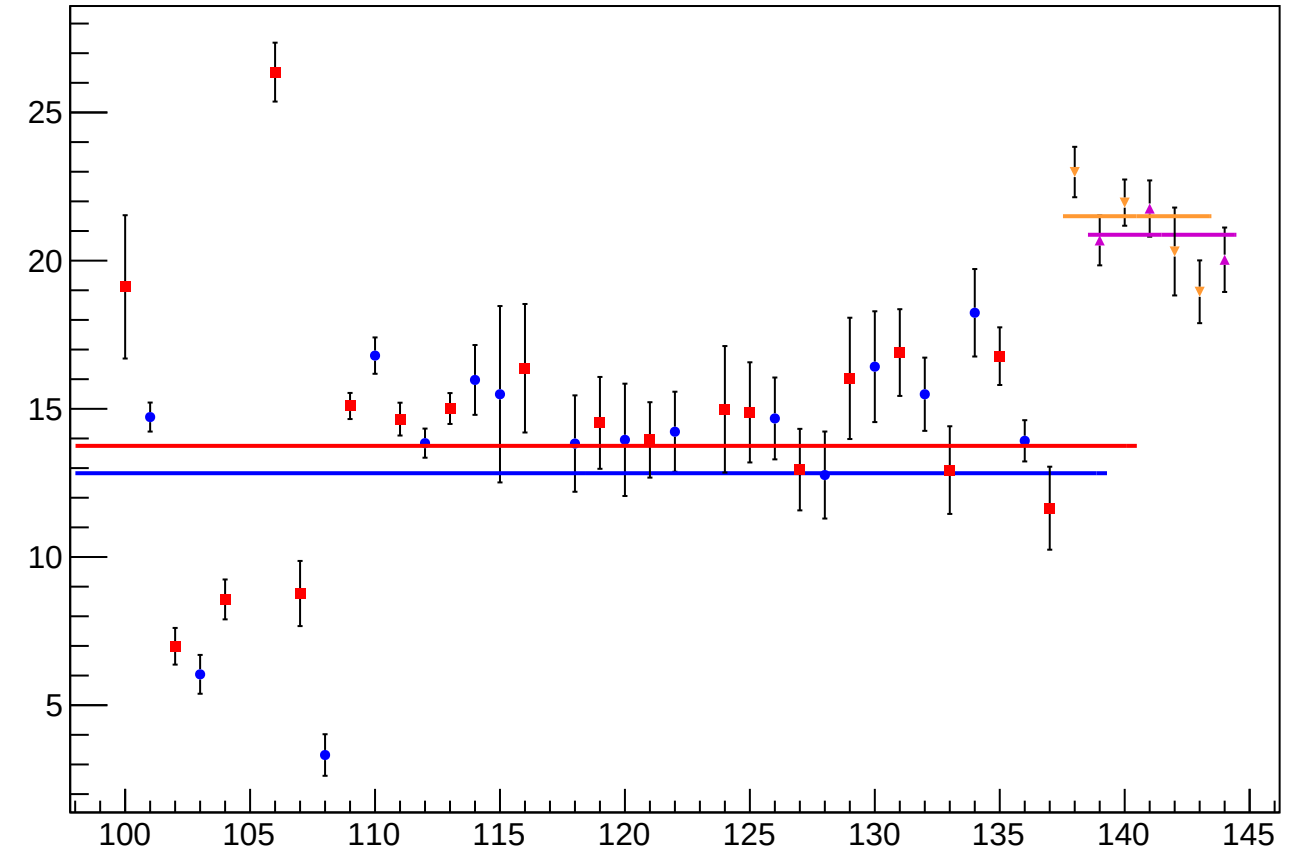
Left: -0.066+/-0.015 χ^2/NDF: 60.3/6

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.103+/-0.012 χ^2/NDF:379.4/18

Out: 0.049+/-0.011 χ^2/NDF:633.6/22

All: 0.075+/-0.008 χ^2/NDF: 1024.2/41



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.499+/-0.478 χ^2/NDF:9.9/3

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 20.873+/-0.545 χ^2/NDF:1.5/2

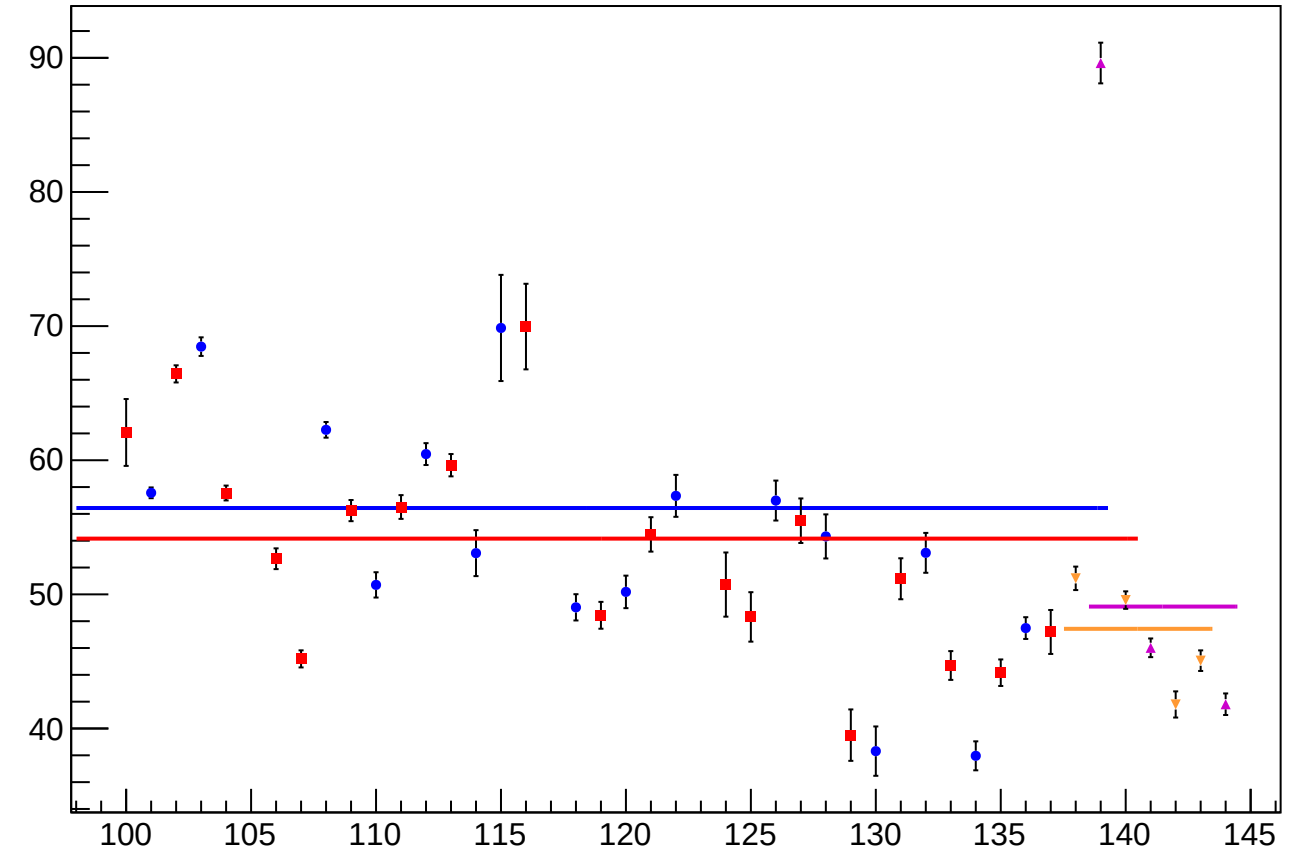
Left: 21.227+/-0.359 χ^2/NDF: 12.1/6

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 13.903+/-0.199 χ^2/NDF:578.3/18

Out: 14.944+/-0.188 χ^2/NDF:635.9/22

All: 14.454+/-0.137 χ^2/NDF: 1228.8/41



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 47.431+/-0.395 χ^2/NDF:72.3/3

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 49.090+/-0.497 χ^2/NDF:815.1/2

Left: 48.073+/-0.309 χ^2/NDF: 894.1/6

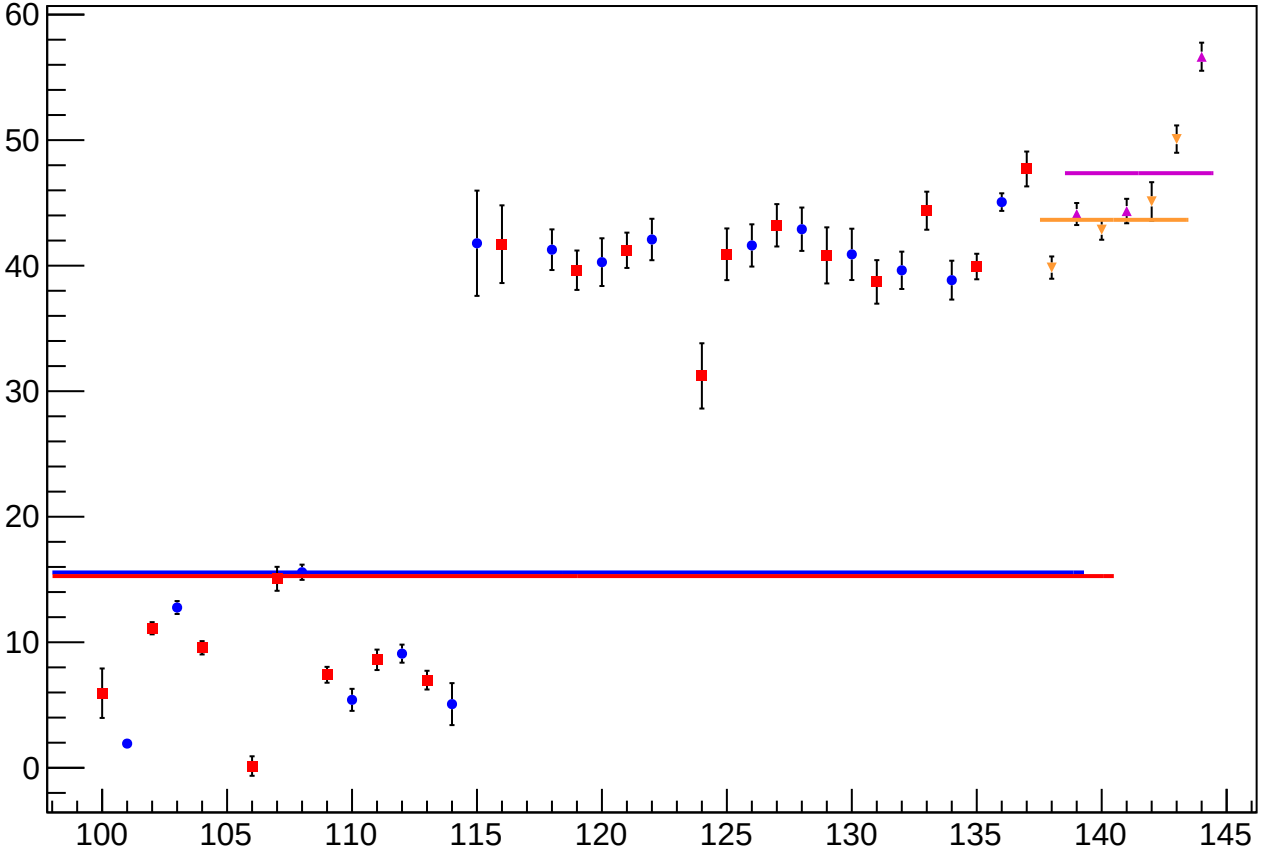
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 55.219+/-0.203 χ^2/NDF:2085.2/18

Out: 52.515+/-0.195 χ^2/NDF:1297.9/22

All: 53.817+/-0.141 χ^2/NDF: 3475.5/41

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 43.651+/-0.494 χ^2/NDF:55.1/3

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 47.367+/-0.563 χ^2/NDF:92.0/2

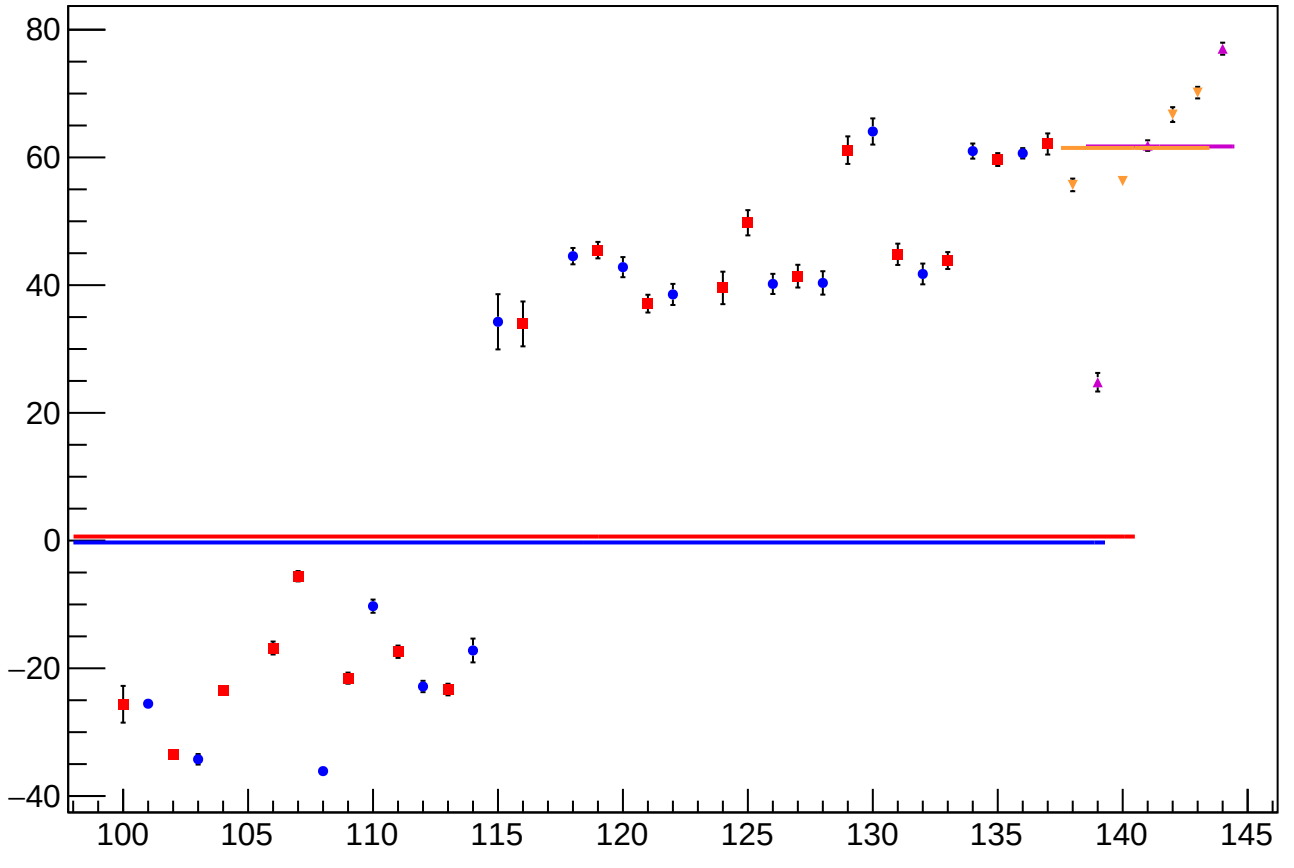
Left: 45.268+/-0.372 χ^2/NDF: 171.7/6

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 19.572+/-0.200 χ^2/NDF:8054.0/18

Out: 19.934+/-0.200 χ^2/NDF:6683.3/22

All: 19.753+/-0.142 χ^2/NDF: 14739.0/41



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 61.489+/-0.466 χ^2/NDF:189.1/3

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 61.717+/-0.572 χ^2/NDF:907.9/2

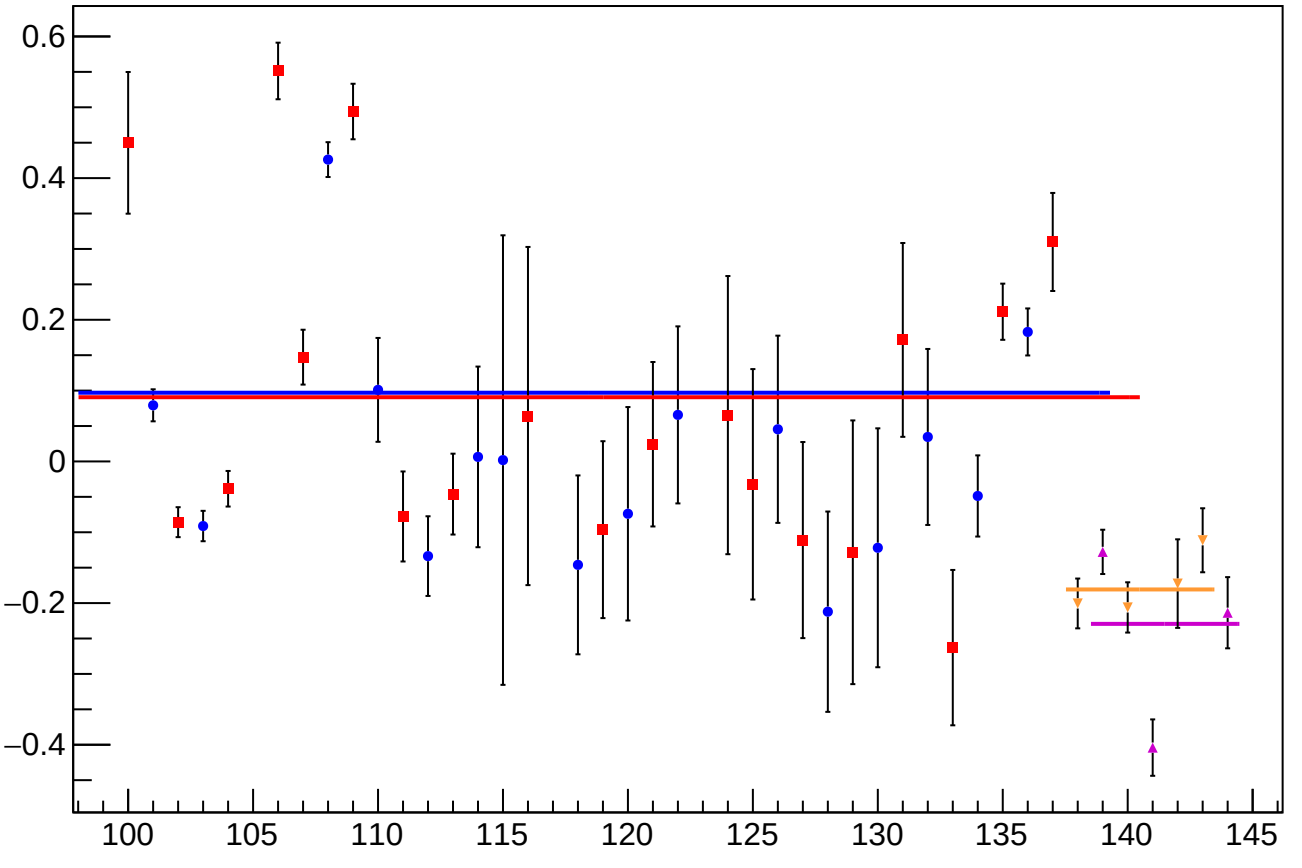
Left: 61.580+/-0.361 χ^2/NDF: 1097.1/6

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 10.426+/-0.238 χ^2/NDF:31669.2/18

Out: 15.382+/-0.229 χ^2/NDF:29134.1/22

All: 12.992+/-0.165 χ^2/NDF: 61028.3/41



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.181+/-0.021 χ^2/NDF:3.2/3

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.229+/-0.022 χ^2/NDF:29.9/2

Left: -0.203+/-0.015 χ^2/NDF: 35.7/6

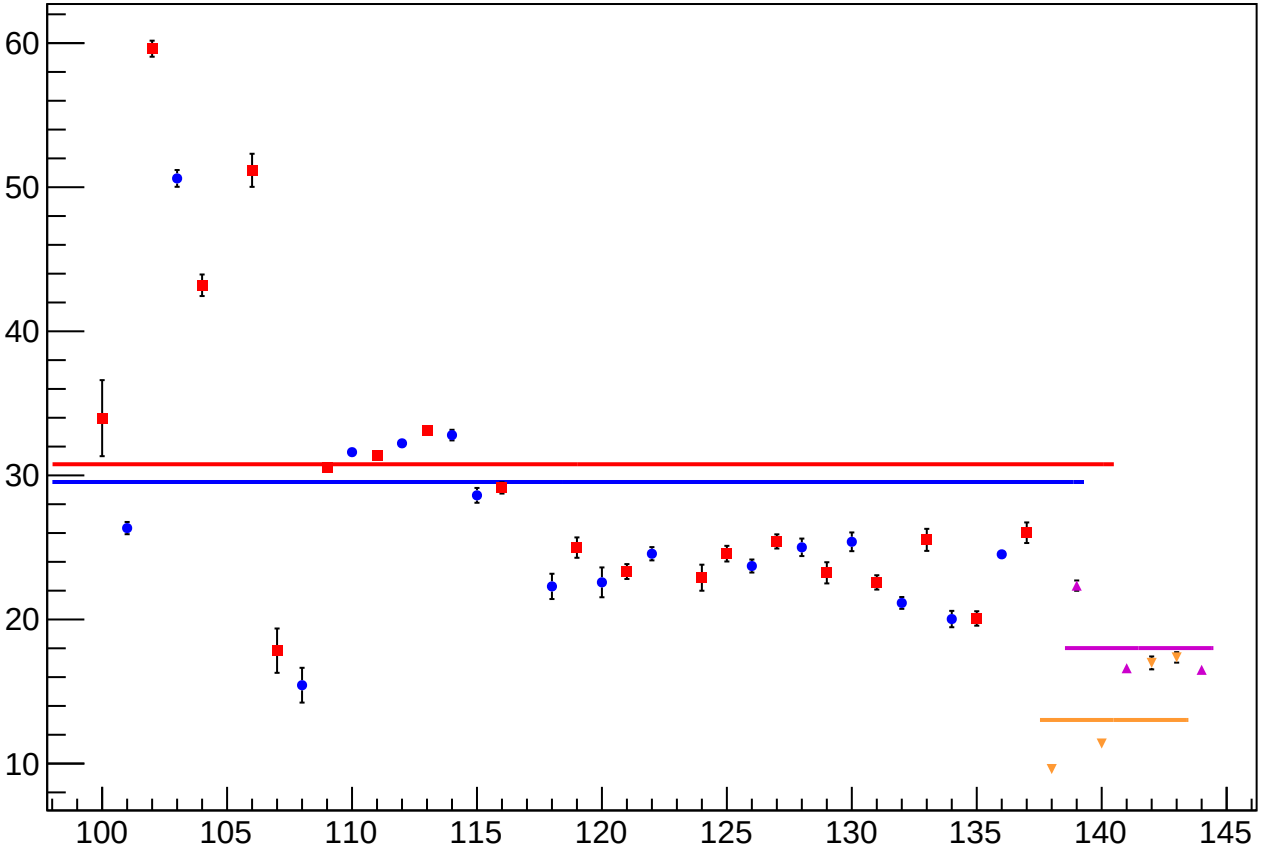
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.030+/-0.010 χ^2/NDF:502.6/18

Out: 0.027+/-0.010 χ^2/NDF:535.2/22

All: 0.029+/-0.007 χ^2/NDF: 1037.9/41

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.027+/-0.169 χ^2/NDF:363.0/3

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.015+/-0.179 χ^2/NDF:196.9/2

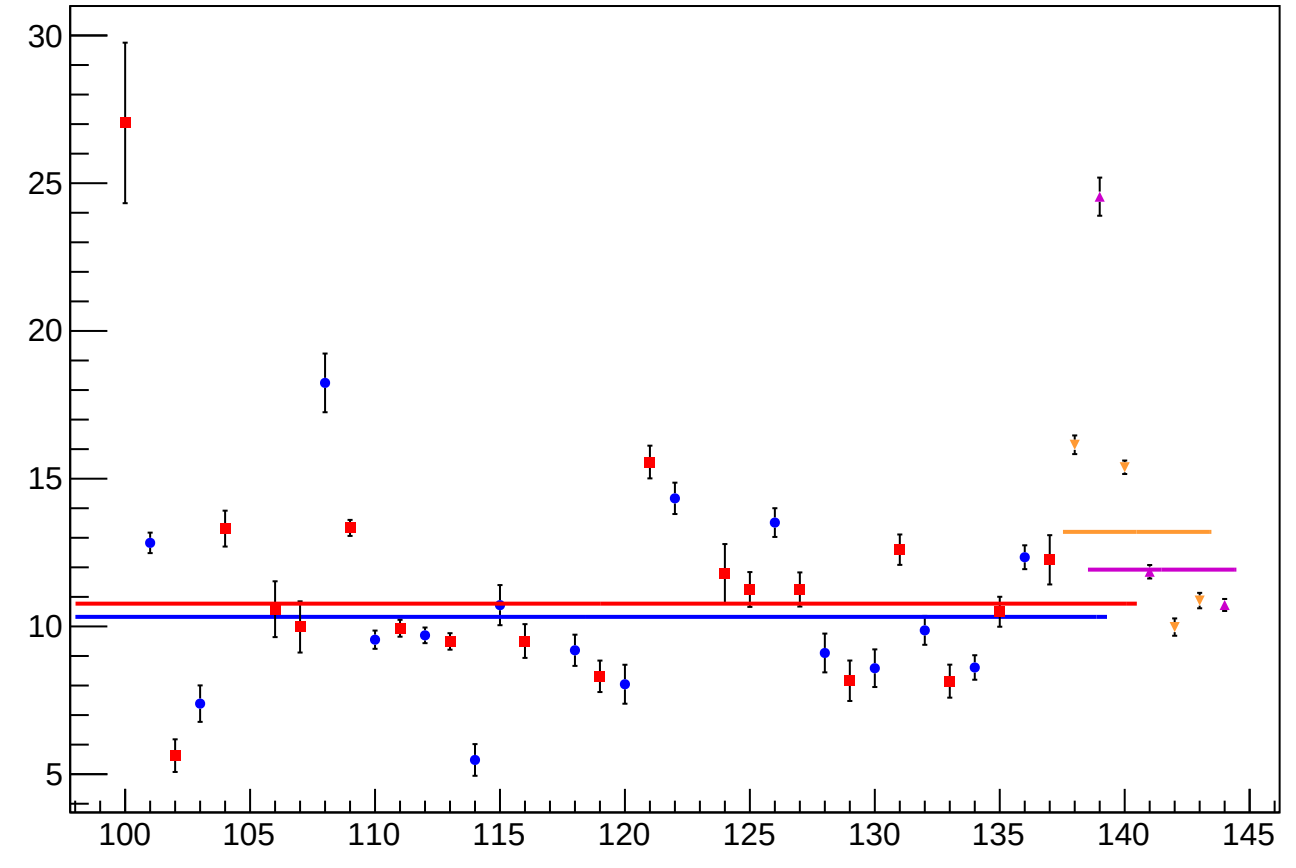
Left: 15.381+/-0.123 χ^2/NDF: 968.8/6

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 27.140+/-0.082 χ^2/NDF:6842.8/18

Out: 27.529+/-0.072 χ^2/NDF:14405.2/22

All: 27.358+/-0.054 χ^2/NDF: 21260.6/41



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 13.200+/-0.134 χ^2/NDF:378.6/3

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 11.922+/-0.148 χ^2/NDF:417.0/2

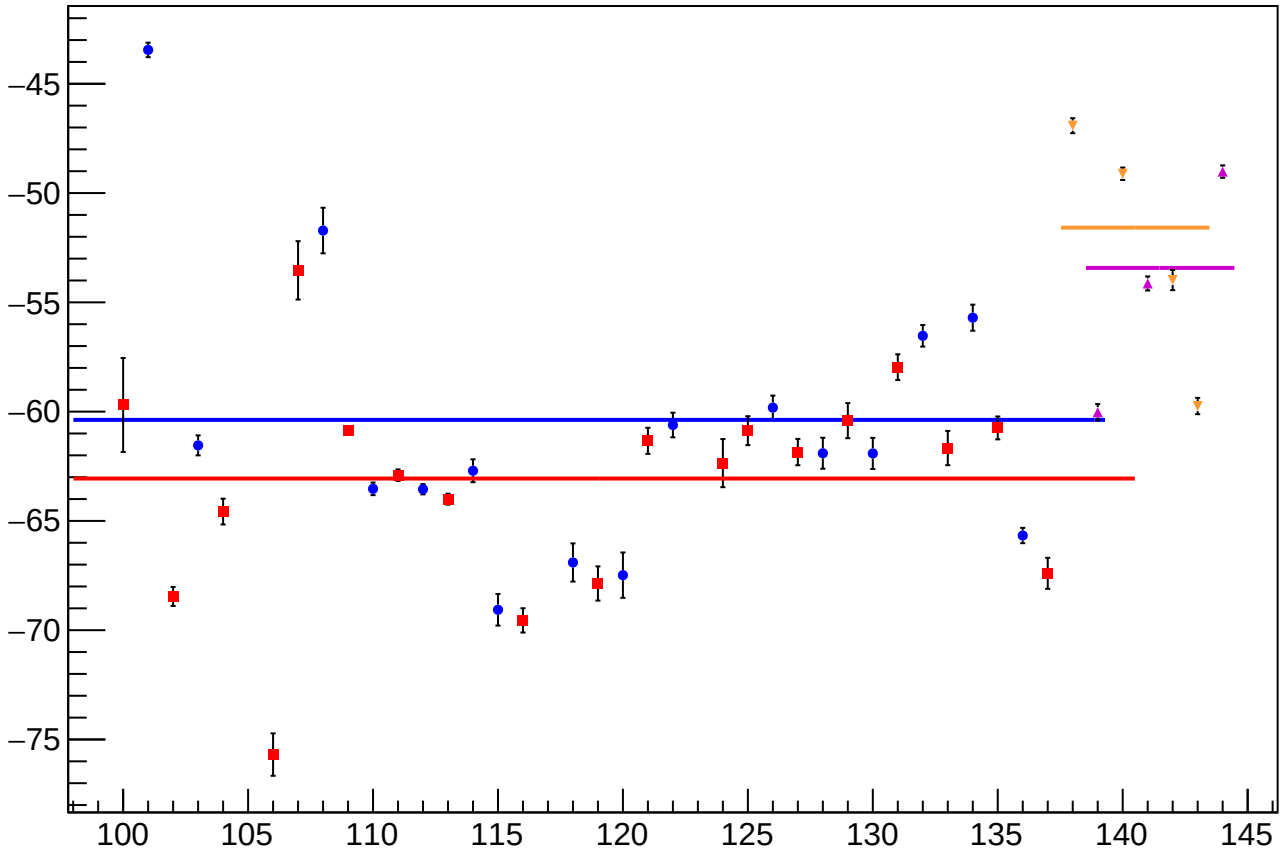
Left: 12.622+/-0.099 χ^2/NDF: 836.6/6

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.920+/-0.090 χ^2/NDF:893.0/18

Out: 11.777+/-0.086 χ^2/NDF:986.2/22

All: 11.367+/-0.062 χ^2/NDF: 1926.3/41



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.582+/-0.175 χ^2/NDF:764.6/3

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -53.425+/-0.185 χ^2/NDF:559.4/2

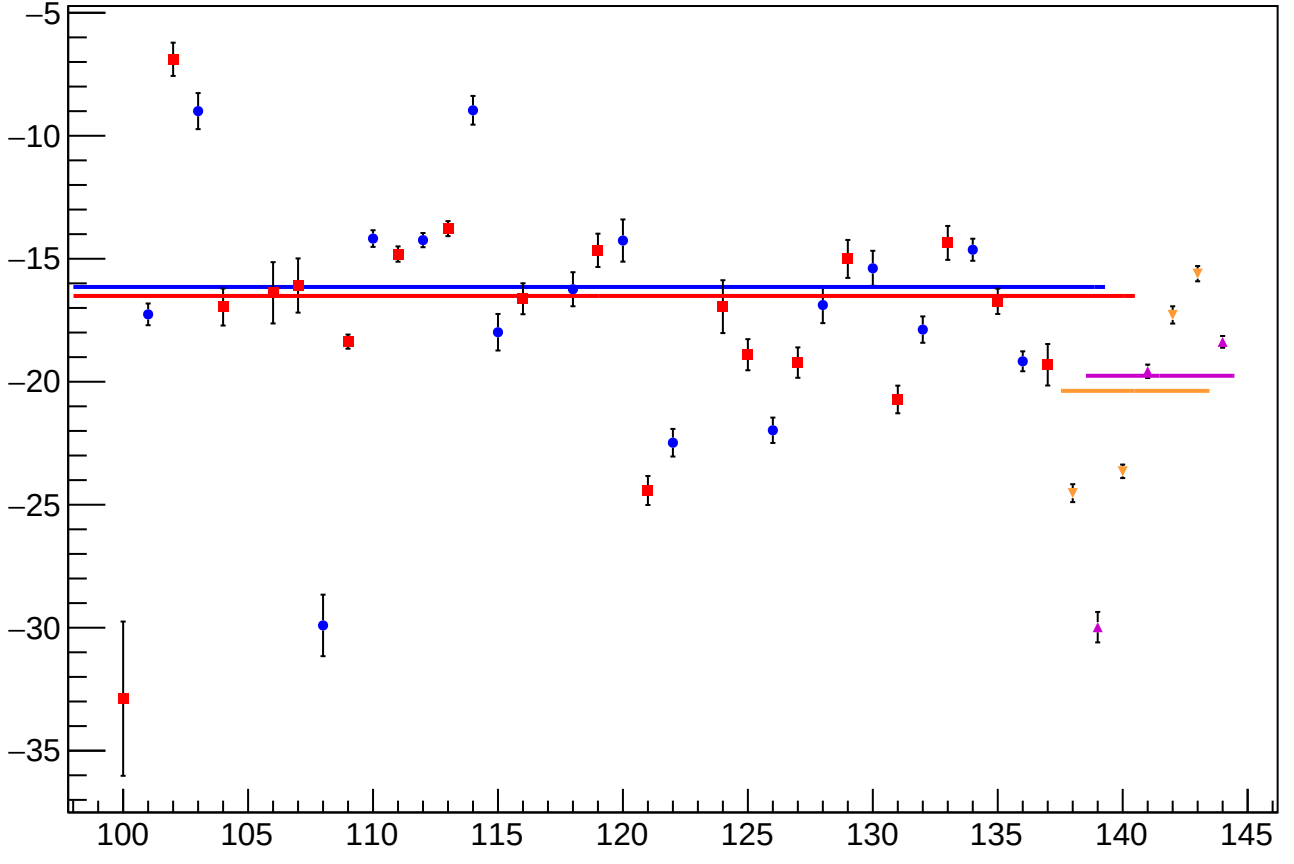
Left: -52.452+/-0.127 χ^2/NDF: 1376.4/6

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -58.488+/-0.096 χ^2/NDF:5185.8/18

Out: -59.926+/-0.091 χ^2/NDF:4737.6/22

All: -59.245+/-0.066 χ^2/NDF: 10040.6/41



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.370+/-0.160 χ^2/NDF:585.5/3

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -19.757+/-0.172 χ^2/NDF:306.3/2

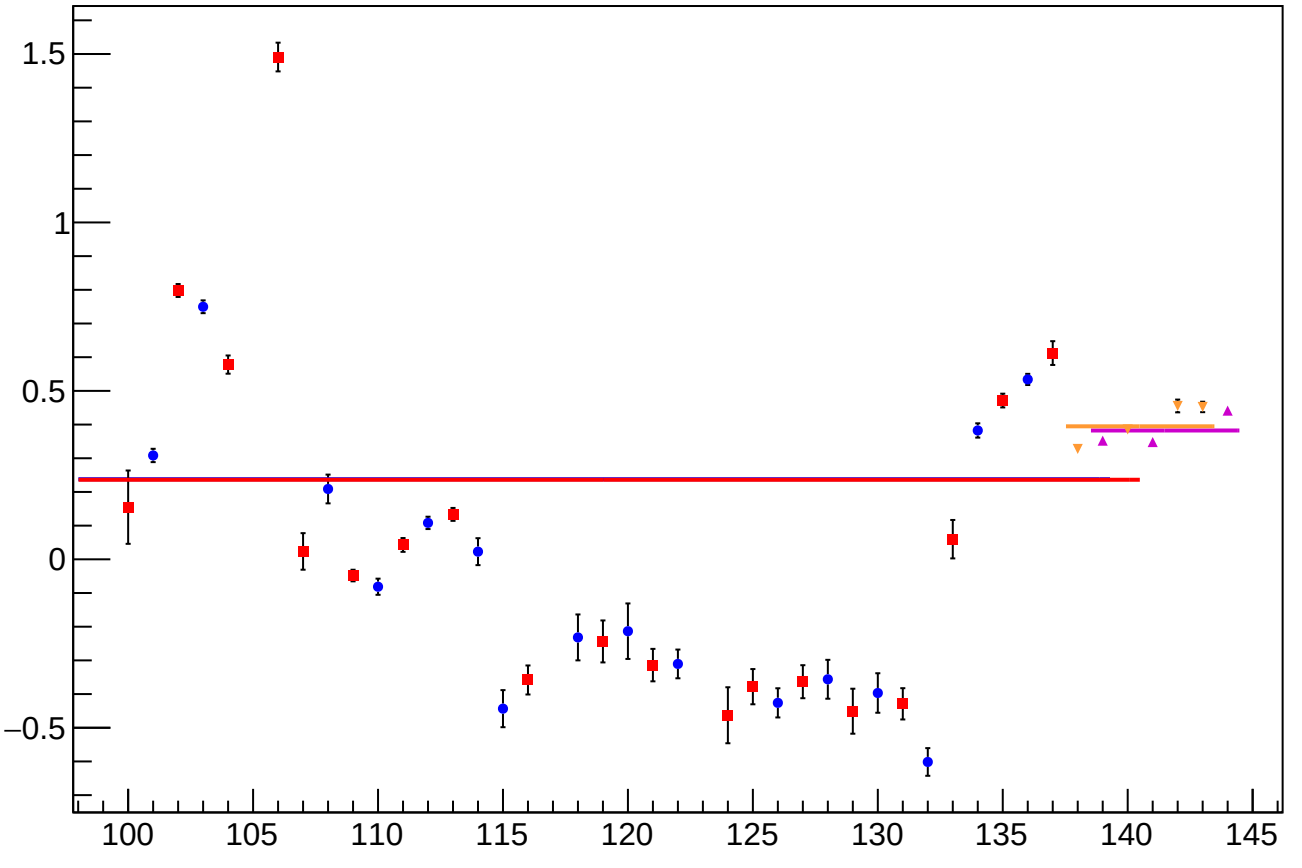
Left: -20.087+/-0.117 χ^2/NDF: 898.6/6

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.420+/-0.102 χ^2/NDF:1387.4/18

Out: -17.974+/-0.098 χ^2/NDF:1633.3/22

All: -17.708+/-0.071 χ^2/NDF: 3036.0/41



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.395+/-0.007 χ^2/NDF:47.9/3

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.382+/-0.008 χ^2/NDF:33.7/2

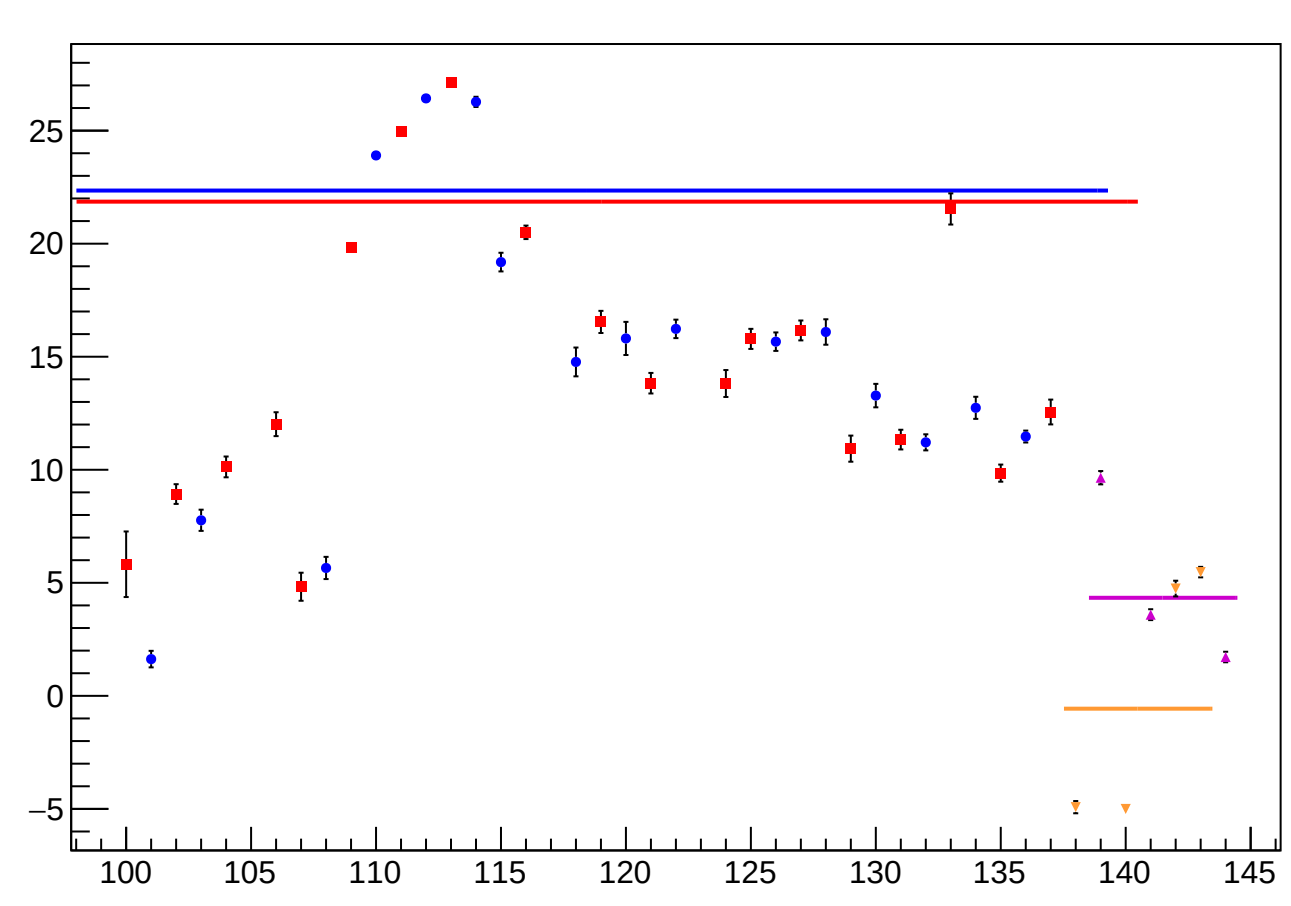
Left: 0.389+/-0.005 χ^2/NDF: 82.9/6

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.306+/-0.005 χ^2/NDF:2863.1/18

Out: 0.312+/-0.005 χ^2/NDF:3883.1/22

All: 0.309+/-0.004 χ^2/NDF: 6747.1/41



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.568+/-0.127 χ^2/NDF:1599.4/3

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 4.337+/-0.146 χ^2/NDF:460.1/2

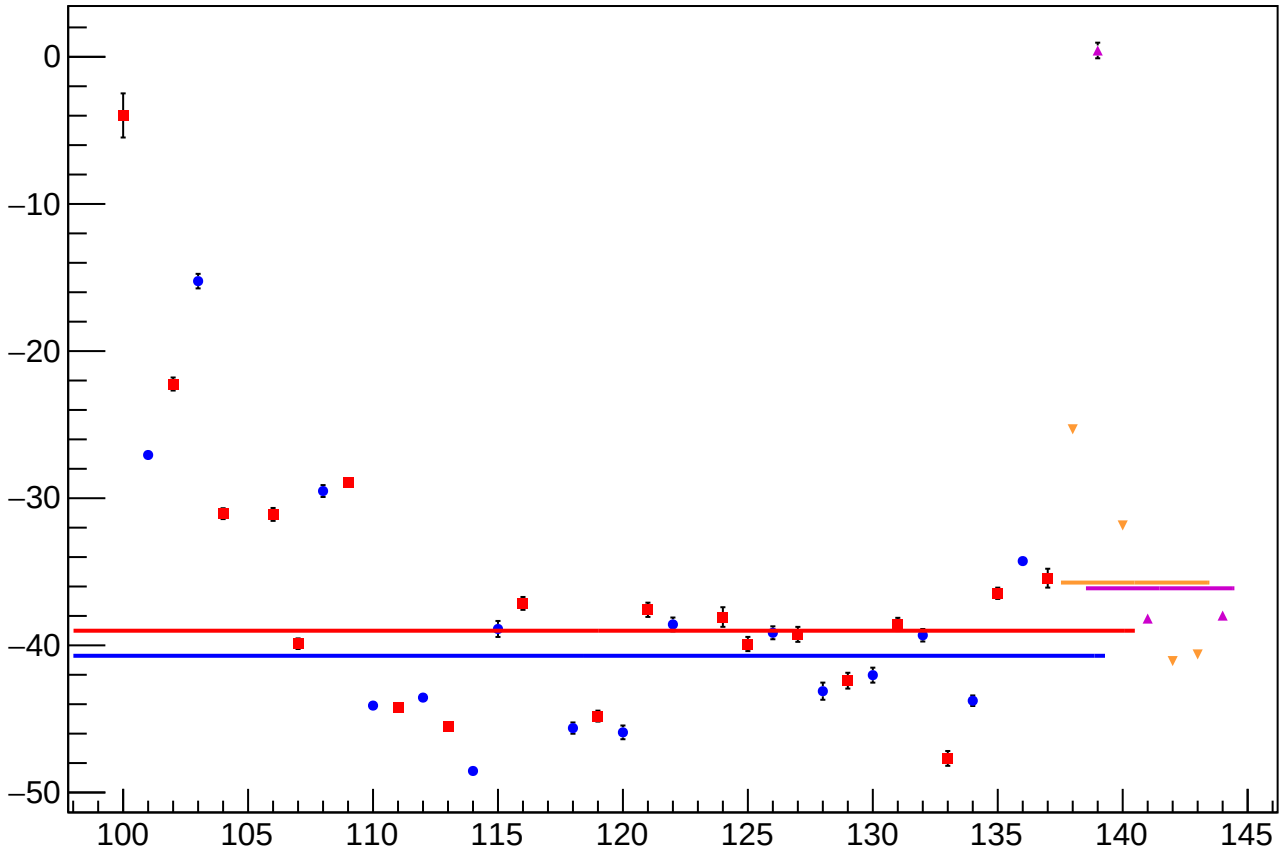
Left: 1.545+/-0.096 χ^2/NDF: 2705.3/6

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.989+/-0.053 χ^2/NDF:26094.2/18

Out: 19.218+/-0.043 χ^2/NDF:39940.5/22

All: 19.530+/-0.034 χ^2/NDF: 66162.1/41



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.733+/-0.099 χ^2/NDF:3459.8/3

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -36.122+/-0.120 χ^2/NDF:4994.8/2

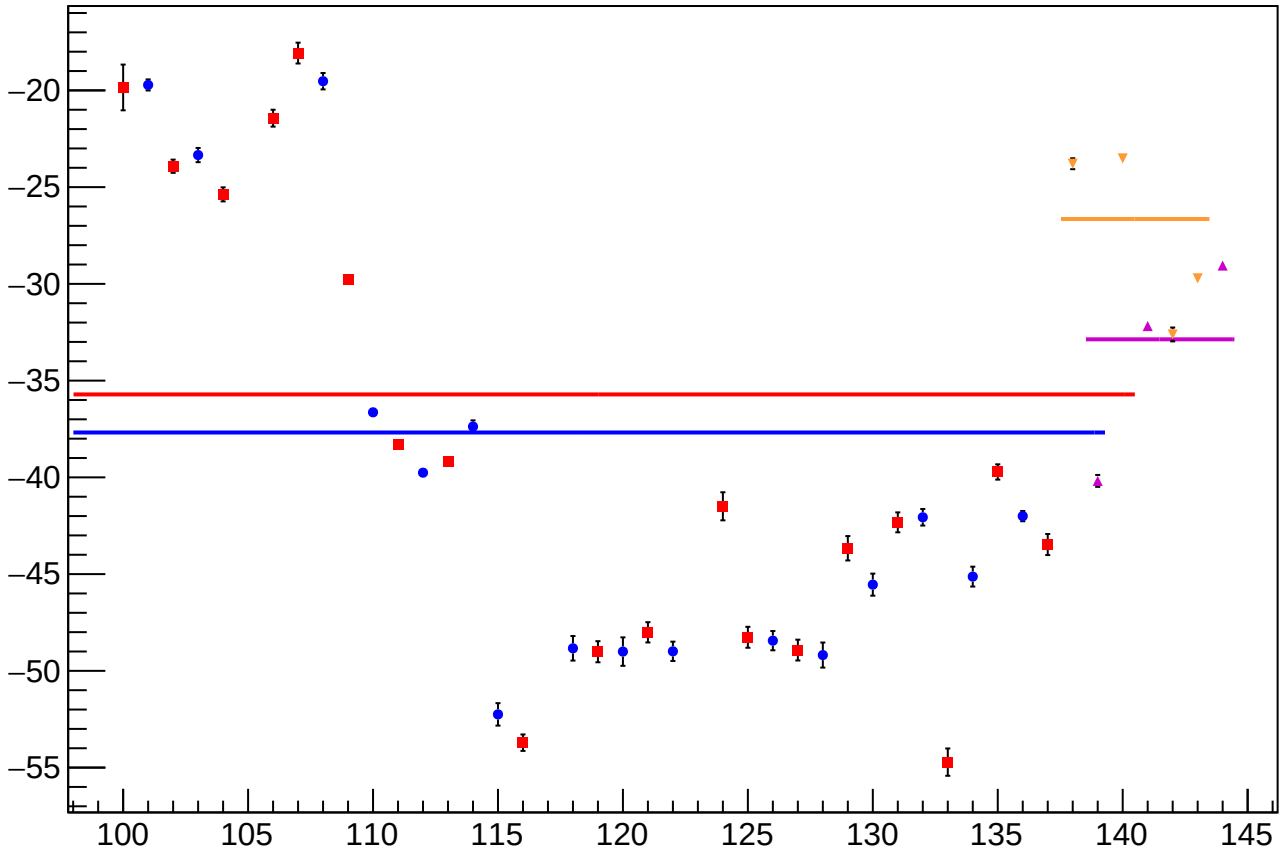
Left: -35.892+/-0.076 χ^2/NDF: 8460.9/6

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.377+/-0.064 χ^2/NDF:13819.3/18

Out: -37.898+/-0.058 χ^2/NDF:14279.0/22

All: -38.557+/-0.043 χ^2/NDF: 28390.4/41



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.646+/-0.131 χ^2/NDF:747.3/3

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -32.866+/-0.150 χ^2/NDF:826.1/2

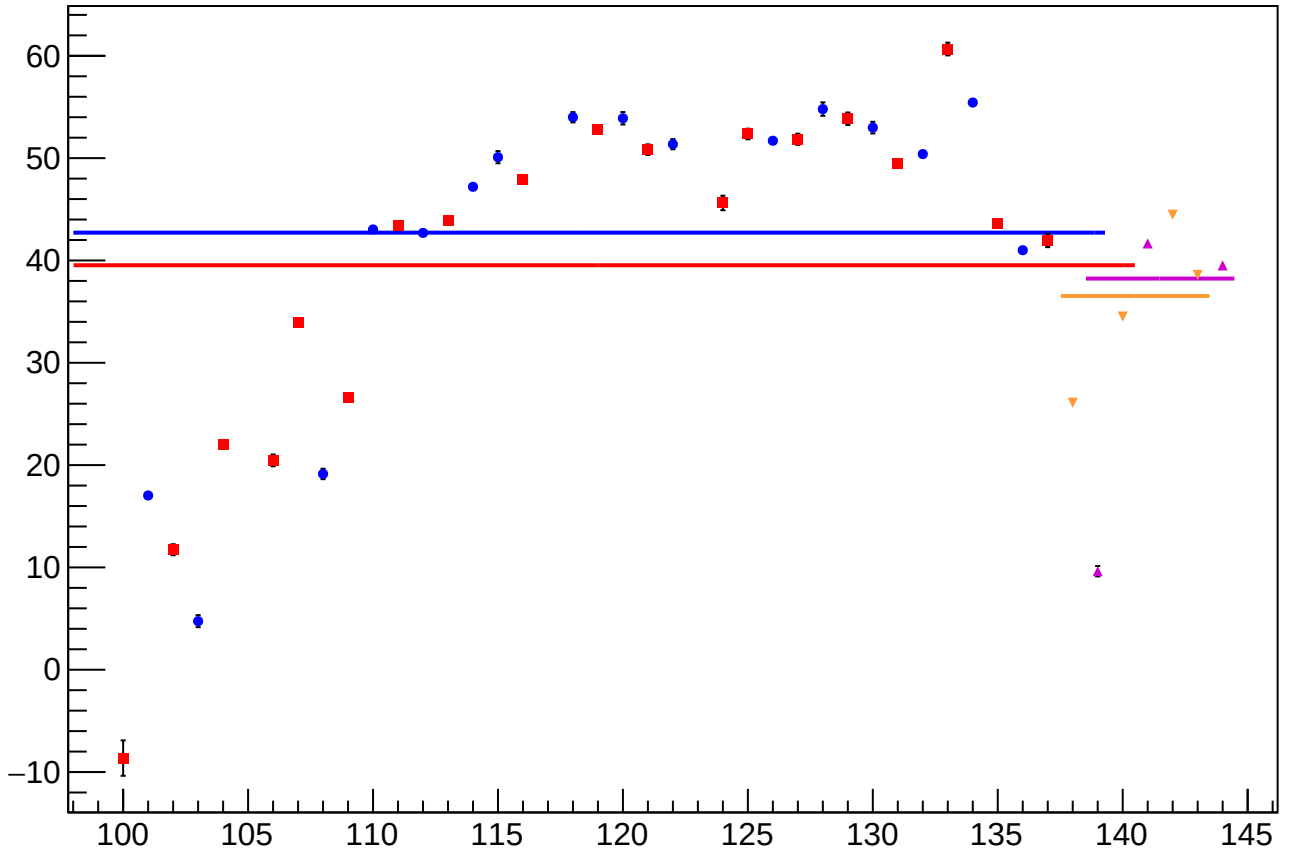
Left: -29.327+/-0.099 χ^2/NDF: 2549.2/6

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.746+/-0.066 χ^2/NDF:12508.0/18

Out: -33.946+/-0.058 χ^2/NDF:17895.5/22

All: -35.155+/-0.044 χ^2/NDF: 31419.7/41



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 36.526+/-0.118 χ^2/NDF:2245.6/3

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 38.232+/-0.139 χ^2/NDF:3469.5/2

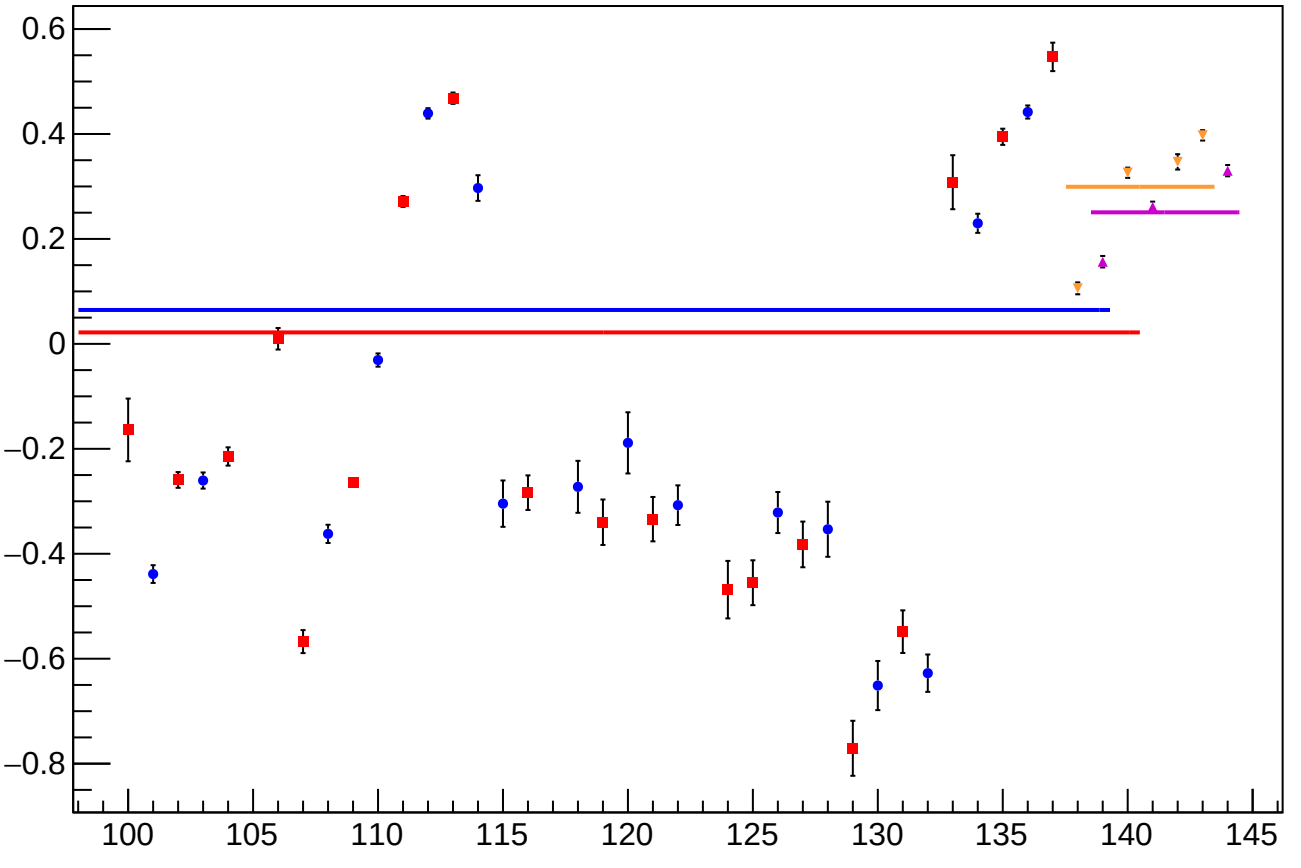
Left: 37.236+/-0.090 χ^2/NDF: 5802.4/6

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.502+/-0.073 χ^2/NDF:18988.5/18

Out: 38.615+/-0.065 χ^2/NDF:20675.9/22

All: 39.902+/-0.048 χ^2/NDF: 40540.4/41



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.299+/-0.006 χ^2/NDF:405.6/3

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.251+/-0.006 χ^2/NDF:129.7/2

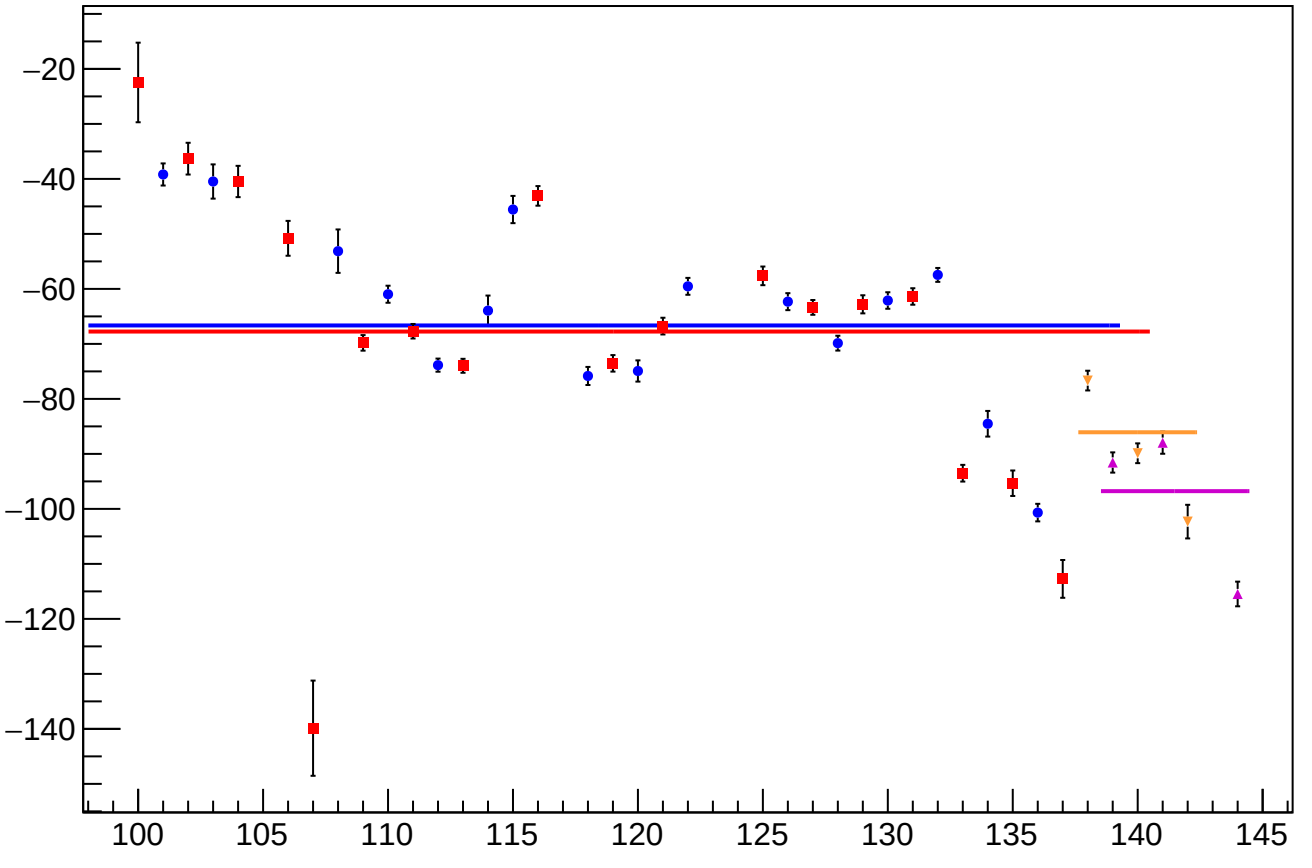
Left: 0.278+/-0.004 χ^2/NDF: 570.4/6

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.136+/-0.004 χ^2/NDF:6197.8/18

Out: 0.130+/-0.003 χ^2/NDF:8365.6/22

All: 0.133+/-0.003 χ^2/NDF: 14565.2/41



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.068+/-1.173 χ^2/NDF:60.2/2

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -96.775+/-1.162 χ^2/NDF:96.7/2

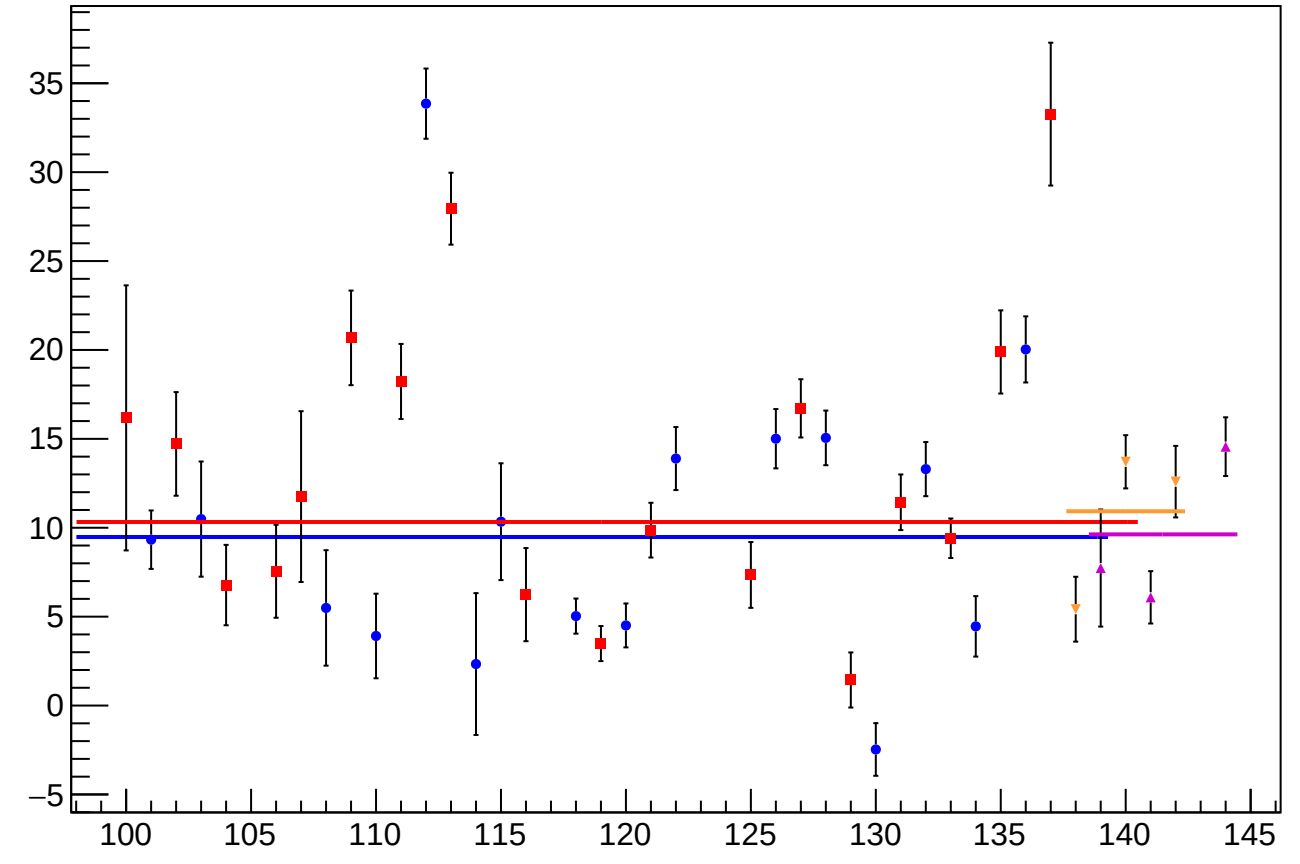
Left: -91.473+/-0.825 χ^2/NDF: 199.0/5

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -70.222+/-0.400 χ^2/NDF:1742.1/18

Out: -69.832+/-0.395 χ^2/NDF:1531.8/20

All: -70.024+/-0.281 χ^2/NDF: 3274.3/39



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 10.927+/-1.003 χ^2/NDF:13.3/2

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 9.628+/-1.042 χ^2/NDF:15.0/2

Left: 10.302+/-0.723 χ^2/NDF: 29.1/5

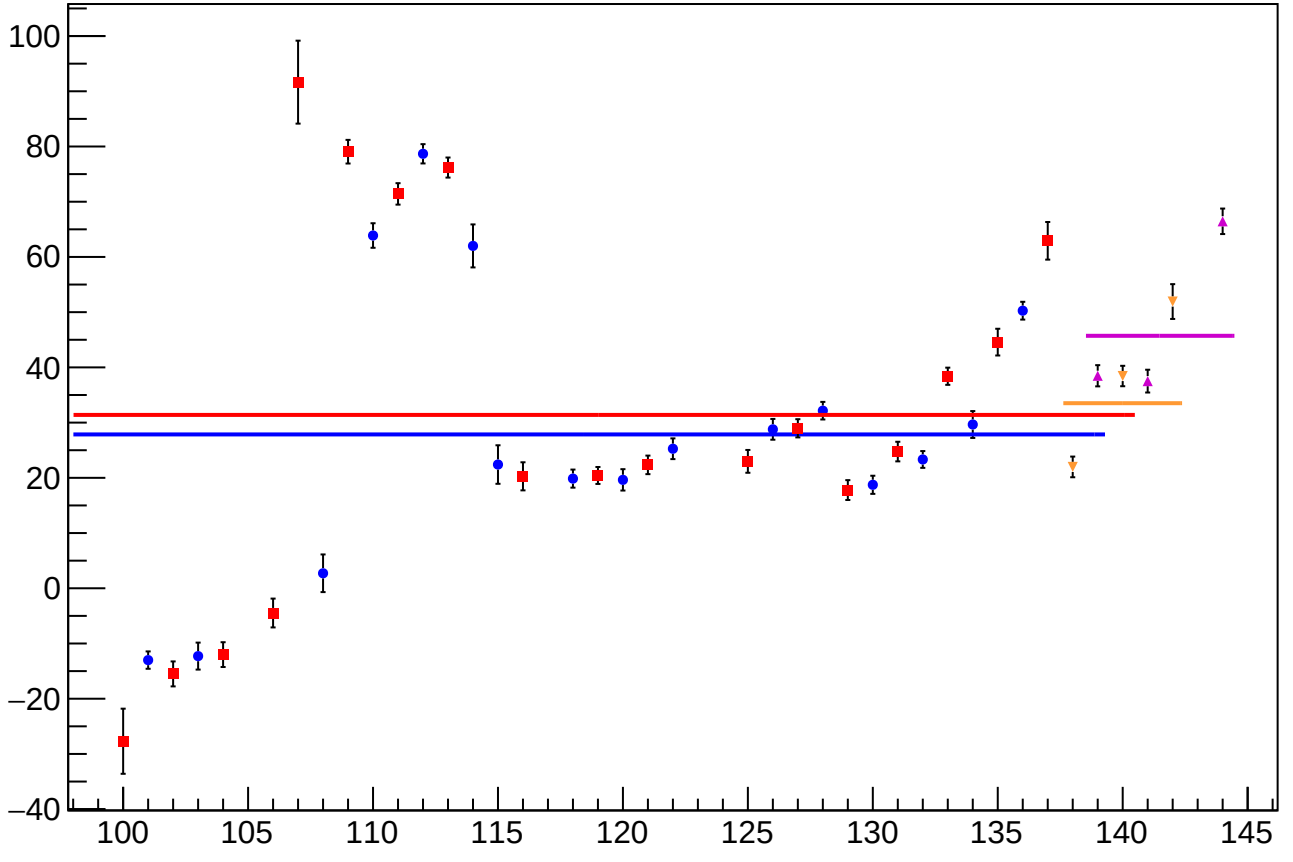
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 9.501+/-0.396 χ^2/NDF:357.0/18

Out: 10.420+/-0.400 χ^2/NDF:277.0/20

All: 9.956+/-0.281 χ^2/NDF: 636.6/39

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 33.516+/-1.214 χ^2/NDF:79.2/2

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 45.720+/-1.201 χ^2/NDF:110.7/2

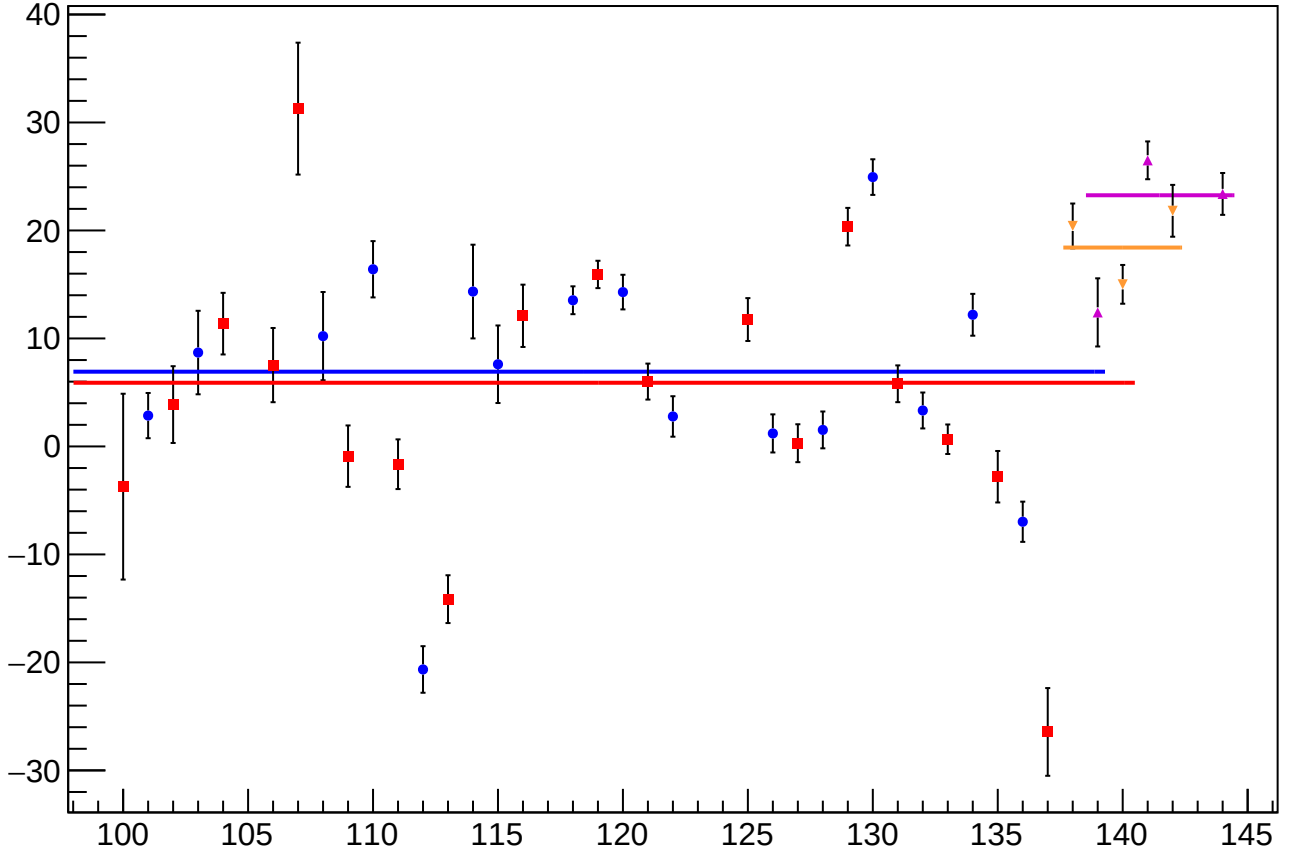
Left: 39.686+/-0.854 χ^2/NDF: 240.9/5

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 30.342+/-0.448 χ^2/NDF:2775.2/18

Out: 31.688+/-0.452 χ^2/NDF:3093.2/20

All: 31.008+/-0.318 χ^2/NDF: 5872.9/39



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.417+/-1.182 χ^2/NDF:6.5/2

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 23.259+/-1.201 χ^2/NDF:15.2/2

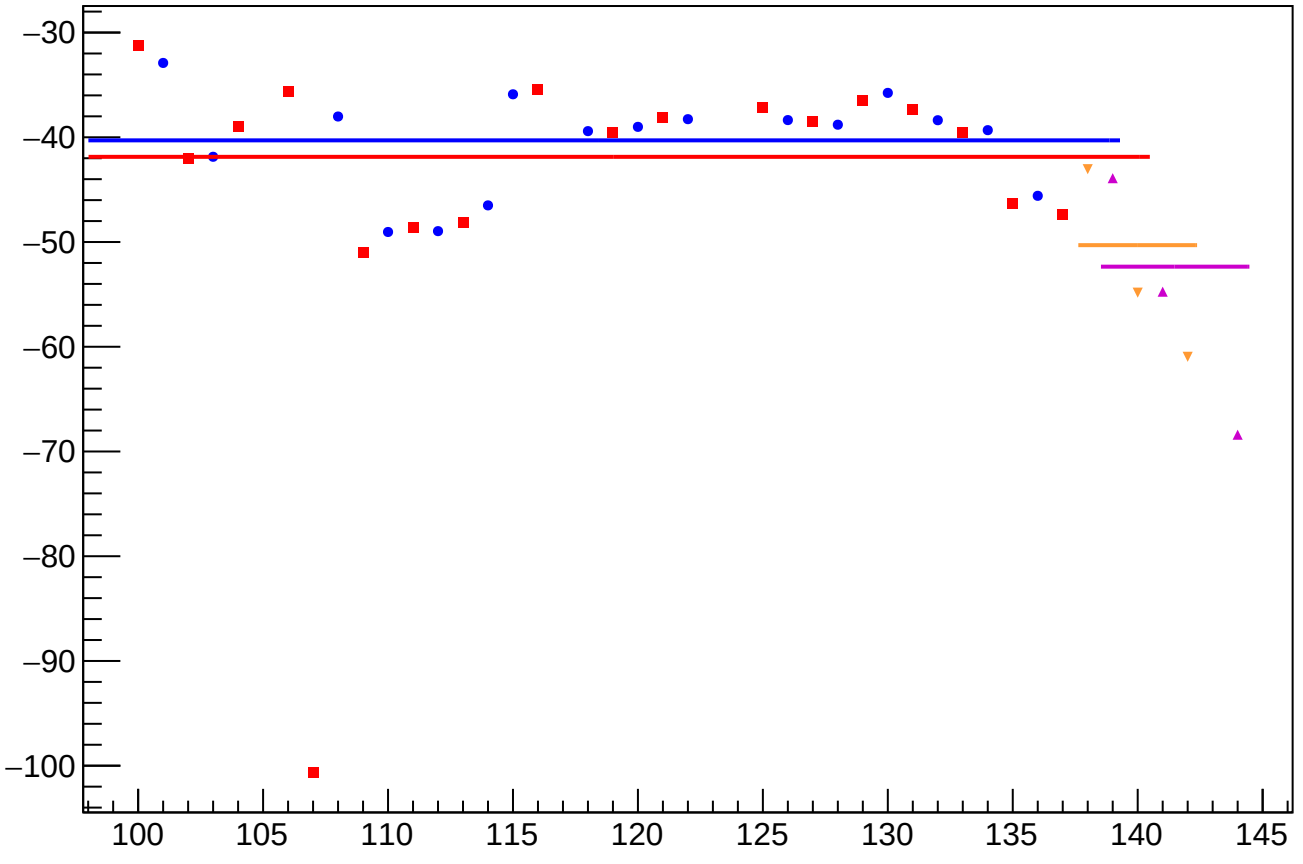
Left: 20.798+/-0.842 χ^2/NDF: 30.0/5

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 9.297+/-0.458 χ^2/NDF:617.6/18

Out: 7.809+/-0.462 χ^2/NDF:469.3/20

All: 8.559+/-0.325 χ^2/NDF: 1092.2/39



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -50.300+/-0.051 χ^2/NDF:19338.5/2

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -52.353+/-0.047 χ^2/NDF:40140.2/2

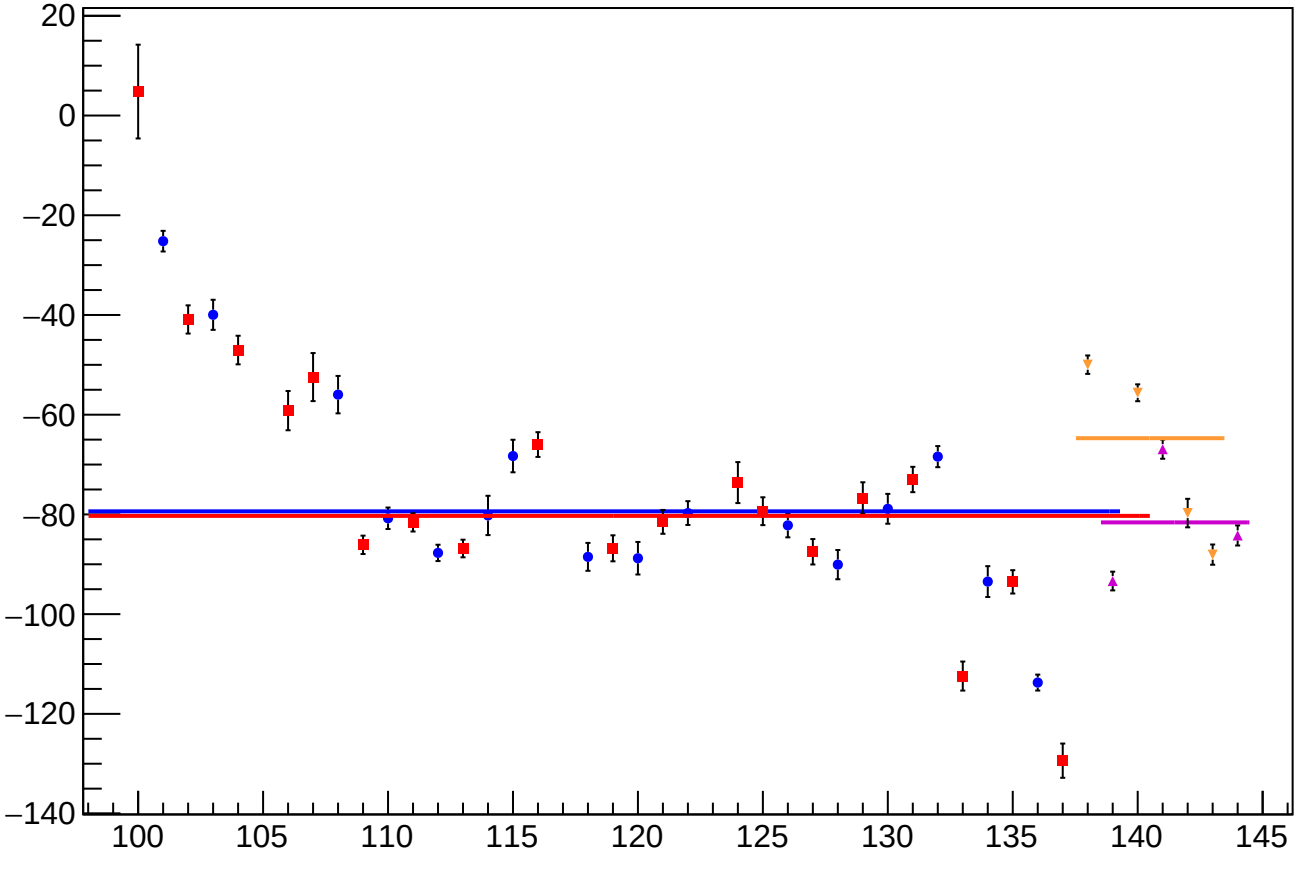
Left: -51.401+/-0.035 χ^2/NDF: 60356.0/5

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -43.993+/-0.026 χ^2/NDF:106068.2/18

Out: -44.275+/-0.027 χ^2/NDF:97771.7/20

All: -44.129+/-0.019 χ^2/NDF: 203895.7/39



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.714+/-0.996 χ^2/NDF:252.7/3

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -81.600+/-1.119 χ^2/NDF:99.2/2

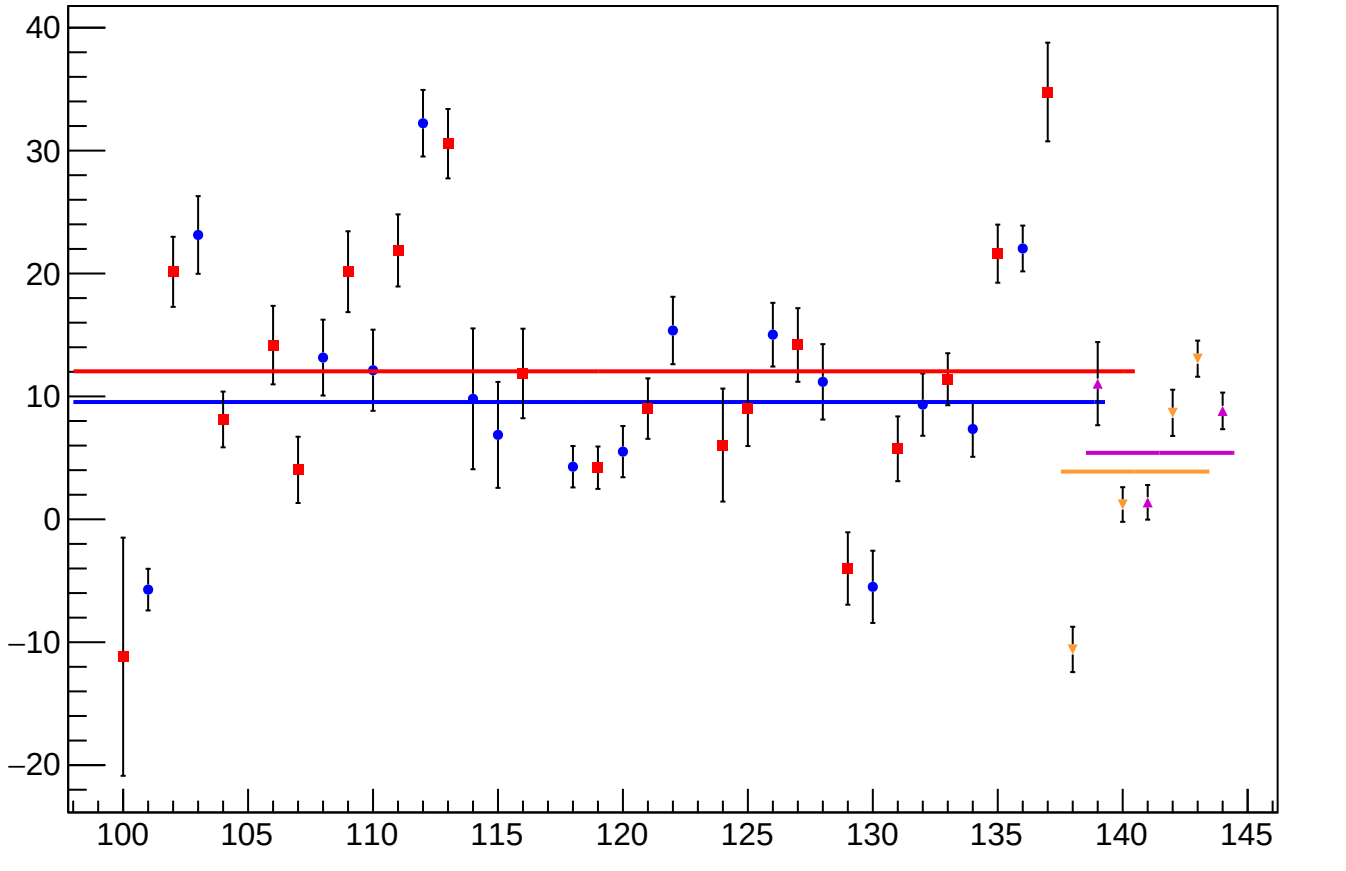
Left: -72.180+/-0.744 χ^2/NDF: 478.9/6

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.892+/-0.536 χ^2/NDF:1578.1/18

Out: -76.106+/-0.517 χ^2/NDF:1346.2/22

All: -77.928+/-0.372 χ^2/NDF: 2950.1/41



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 3.884+/-0.805 χ^2/NDF:110.7/3

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 5.408+/-0.979 χ^2/NDF:16.2/2

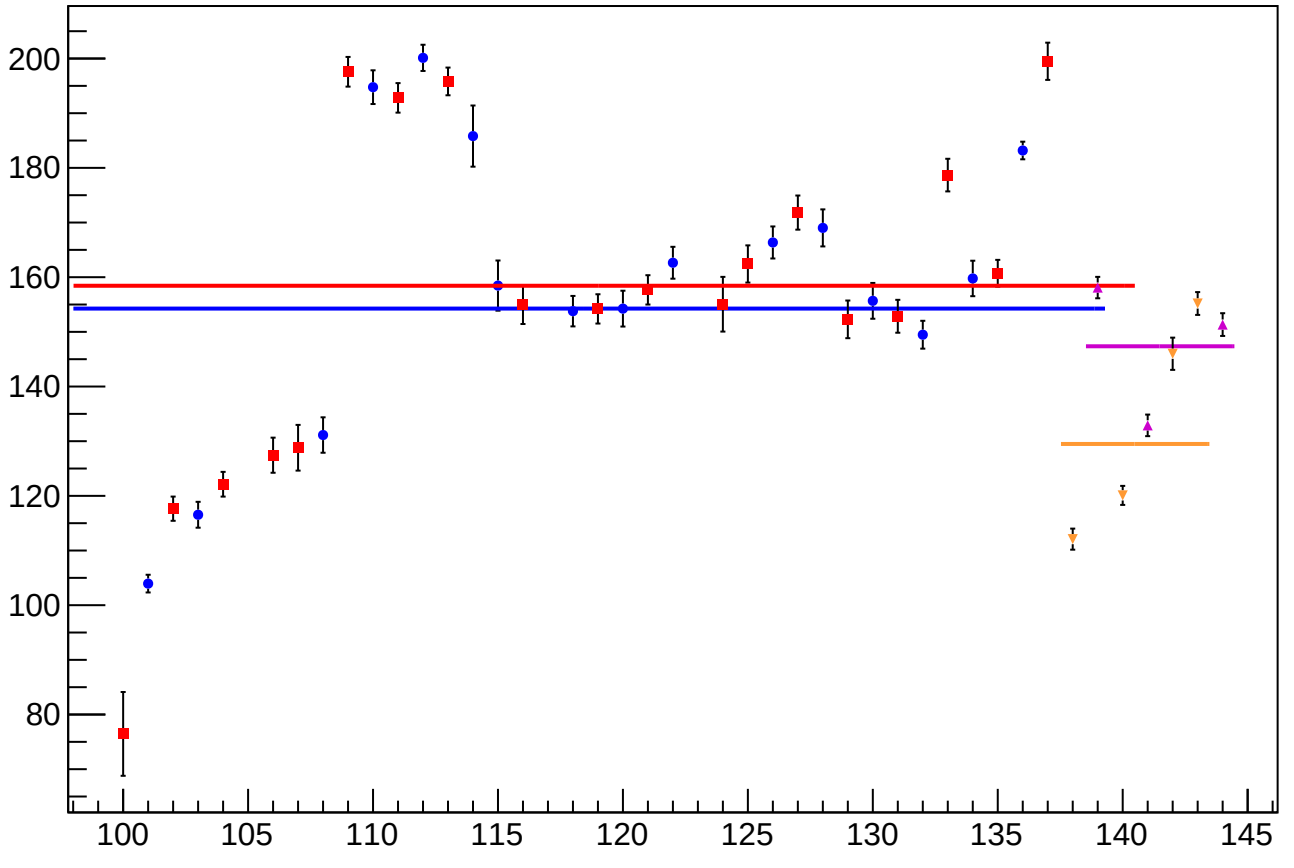
Left: 4.499+/-0.622 χ^2/NDF: 128.3/6

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 8.356+/-0.525 χ^2/NDF:296.0/18

Out: 8.903+/-0.499 χ^2/NDF:369.7/22

All: 8.643+/-0.362 χ^2/NDF: 666.2/41



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.494+/-1.029 χ^2/NDF:293.8/3

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 147.362+/-1.156 χ^2/NDF:87.5/2

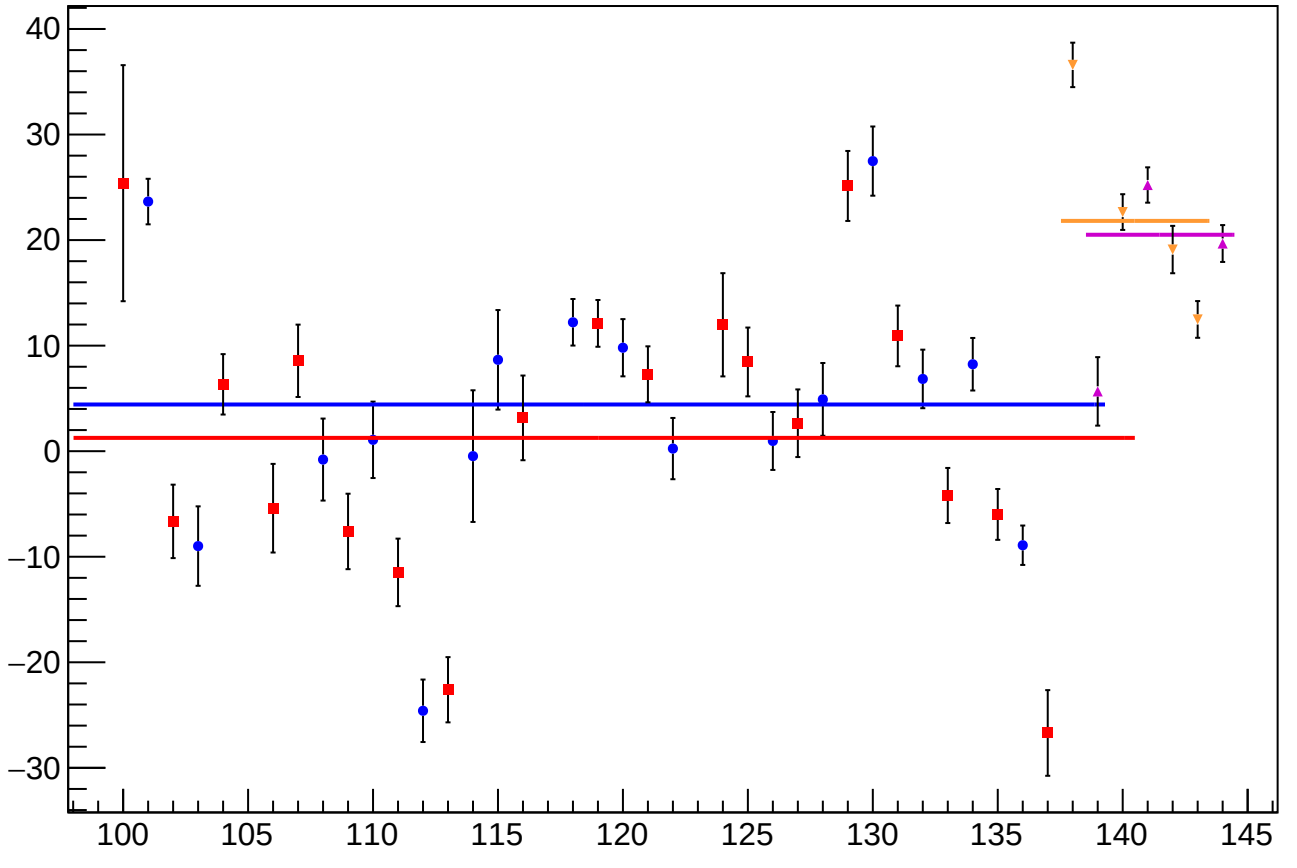
Left: 137.397+/-0.769 χ^2/NDF: 514.6/6

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 152.557+/-0.574 χ^2/NDF:2328.0/18

Out: 149.593+/-0.569 χ^2/NDF:2507.2/22

All: 151.061+/-0.404 χ^2/NDF: 4848.7/41



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 21.818+/-0.952 χ^2/NDF:79.7/3

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 20.505+/-1.133 χ^2/NDF:29.1/2

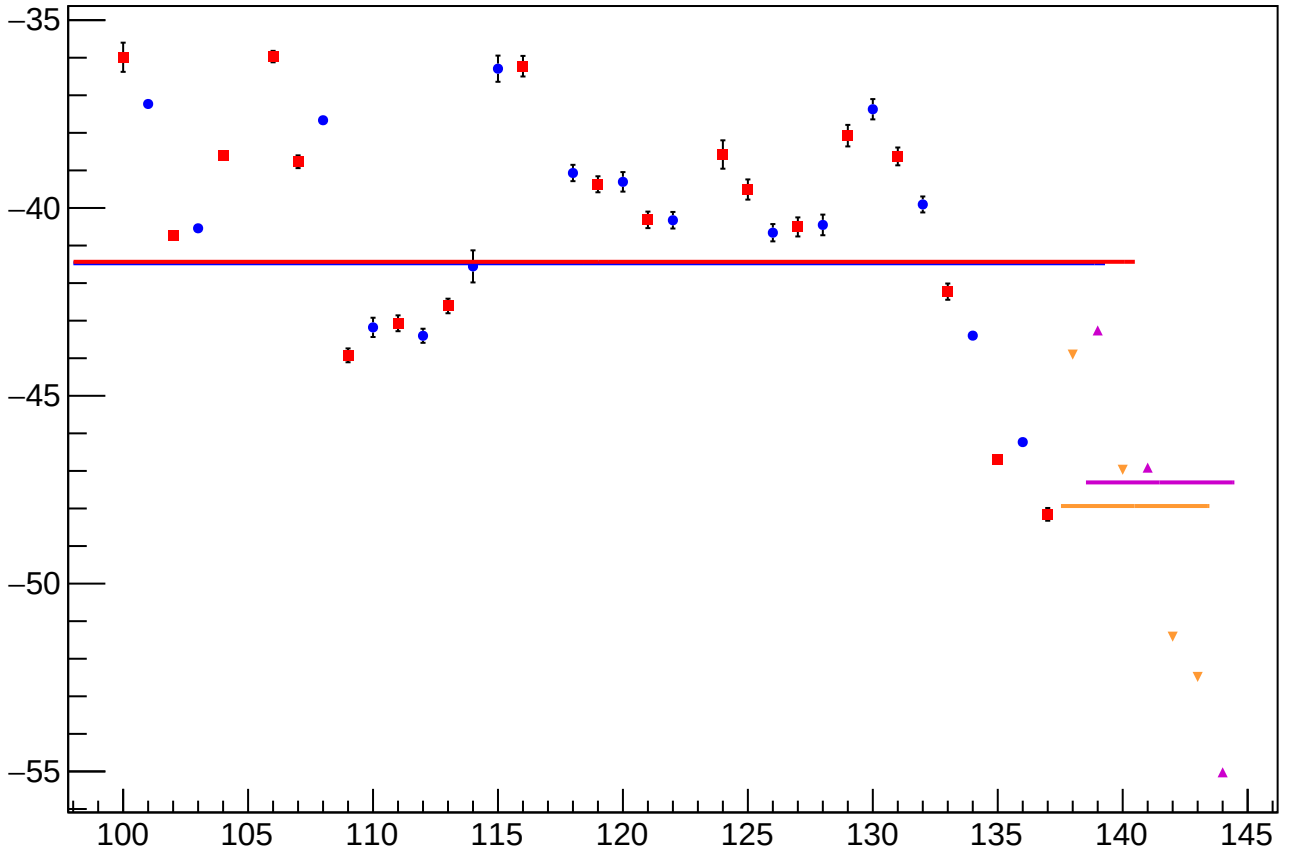
Left: 21.274+/-0.729 χ^2/NDF: 109.6/6

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 8.997+/-0.604 χ^2/NDF:489.4/18

Out: 8.893+/-0.580 χ^2/NDF:637.8/22

All: 8.943+/-0.418 χ^2/NDF: 1127.2/41



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -47.935+/-0.043 χ^2/NDF:6463.8/3

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -47.306+/-0.046 χ^2/NDF:10240.5/2

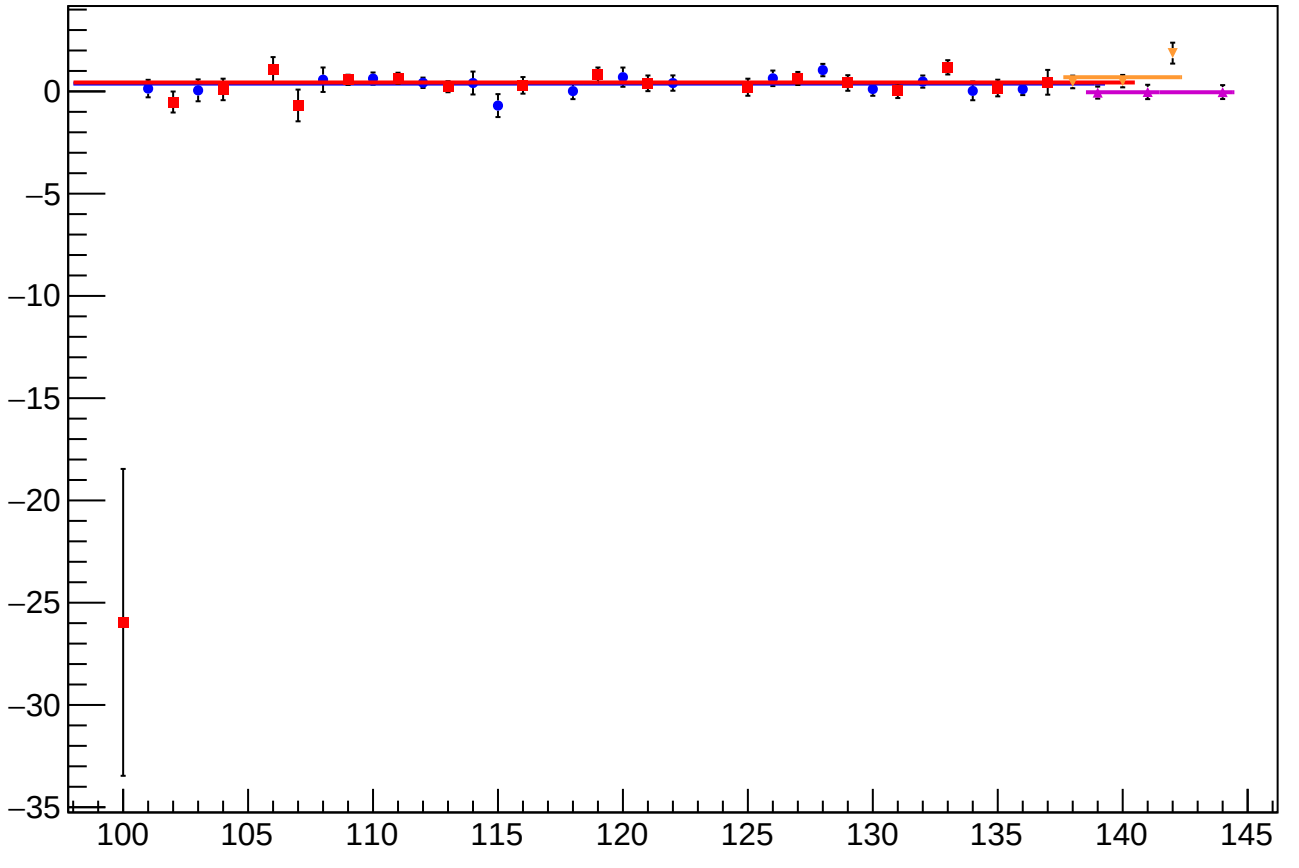
Left: -47.640+/-0.031 χ^2/NDF: 16803.6/6

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -43.848+/-0.029 χ^2/NDF:27699.3/18

Out: -44.394+/-0.029 χ^2/NDF:27022.4/22

All: -44.123+/-0.021 χ^2/NDF: 54896.0/41



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.693+/-0.199 χ^2/NDF:6.3/2

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: -0.041+/-0.188 χ^2/NDF:0.0/2

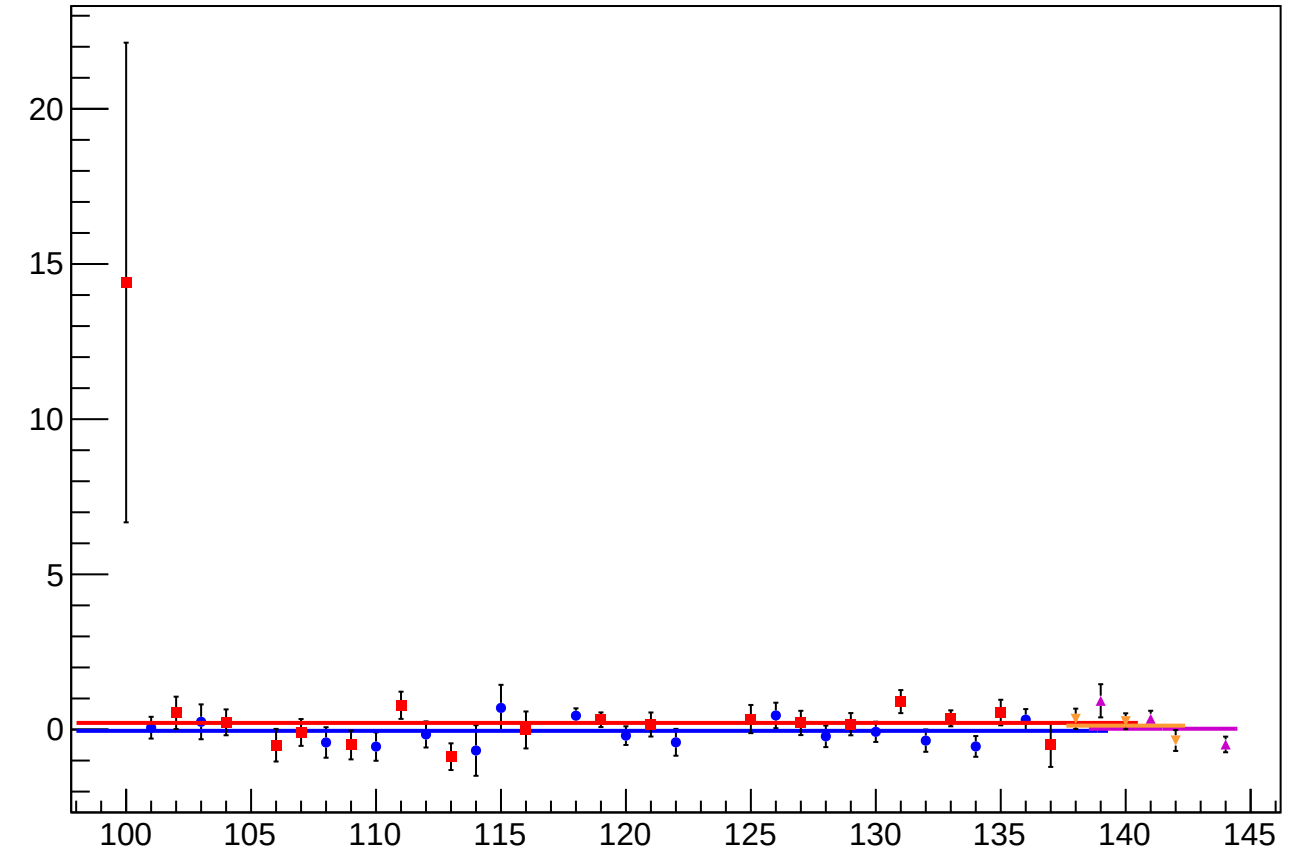
Left: 0.305+/-0.137 χ^2/NDF: 13.4/5

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.300+/-0.083 χ^2/NDF:18.1/18

Out: 0.480+/-0.082 χ^2/NDF:36.6/20

All: 0.391+/-0.058 χ^2/NDF: 57.1/39



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.125+/-0.173 χ^2/NDF:2.8/2

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.025+/-0.171 χ^2/NDF:8.4/2

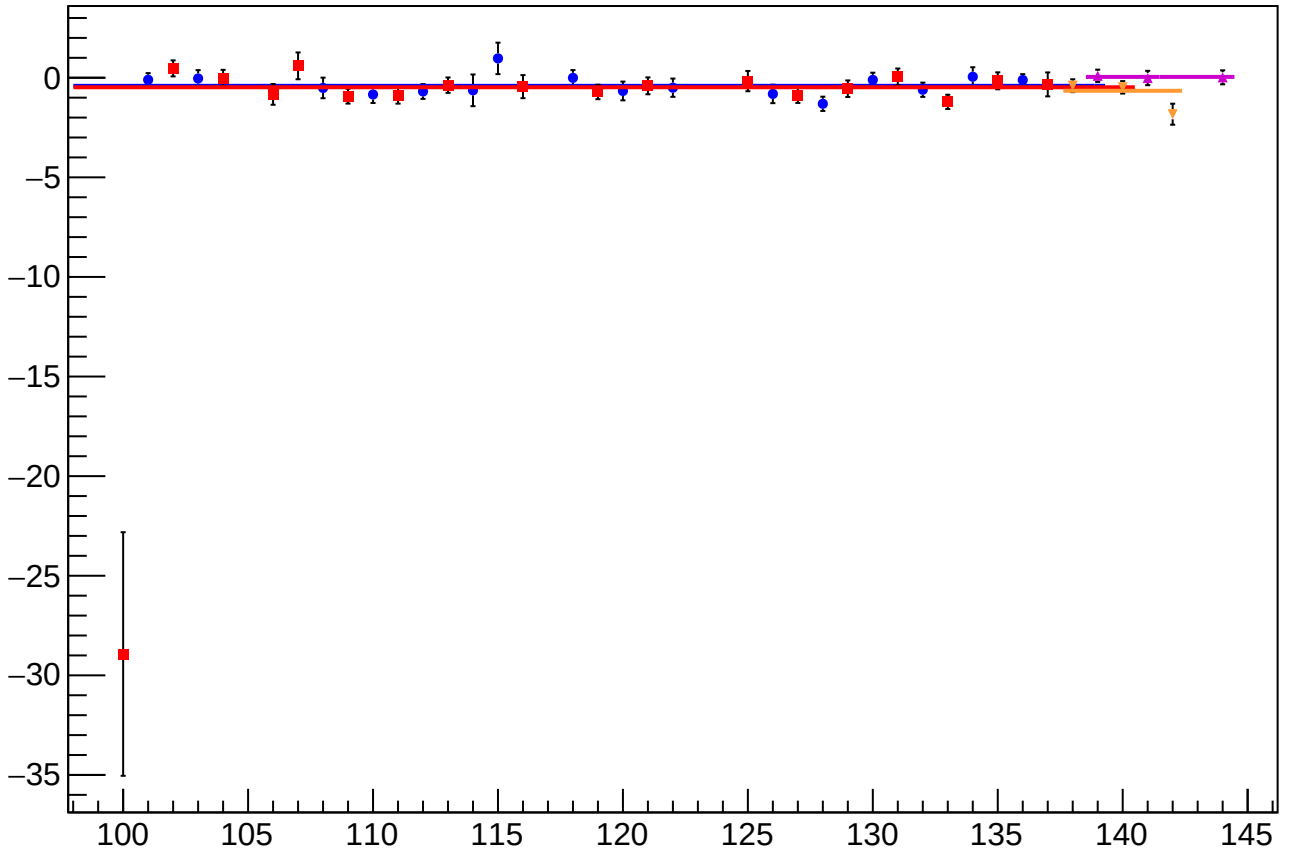
Left: 0.075+/-0.122 χ^2/NDF: 11.4/5

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: -0.027+/-0.083 χ^2/NDF:23.6/18

Out: 0.193+/-0.083 χ^2/NDF:25.4/20

All: 0.082+/-0.059 χ^2/NDF: 52.4/39



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.655+/-0.206 χ^2/NDF:5.9/2

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: 0.042+/-0.195 χ^2/NDF:0.1/2

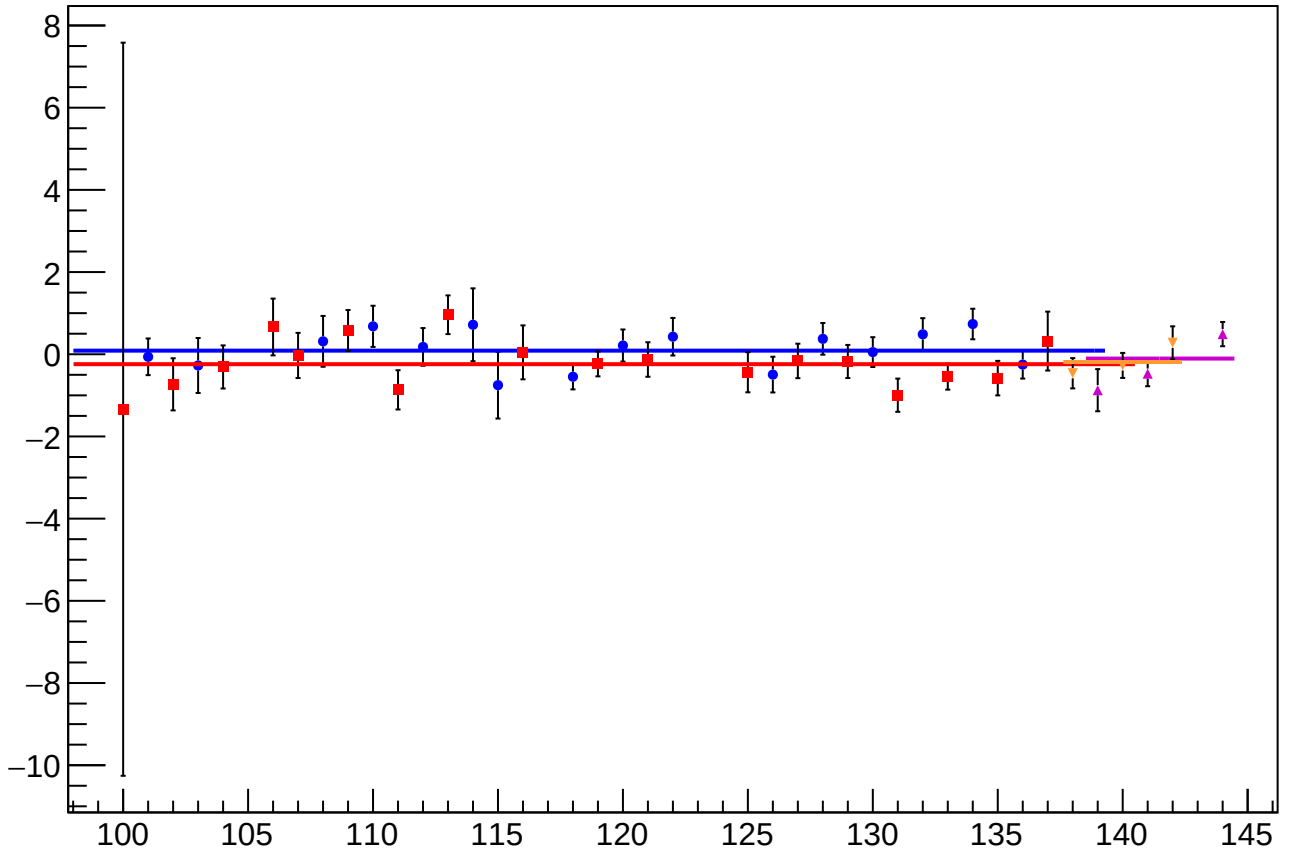
Left: -0.286+/-0.142 χ^2/NDF: 12.0/5

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.308+/-0.091 χ^2/NDF:22.0/18

Out: -0.514+/-0.093 χ^2/NDF:48.7/20

All: -0.409+/-0.065 χ^2/NDF: 73.2/39



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.189+/-0.203 χ^2/NDF:2.0/2

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.105+/-0.196 χ^2/NDF:7.8/2

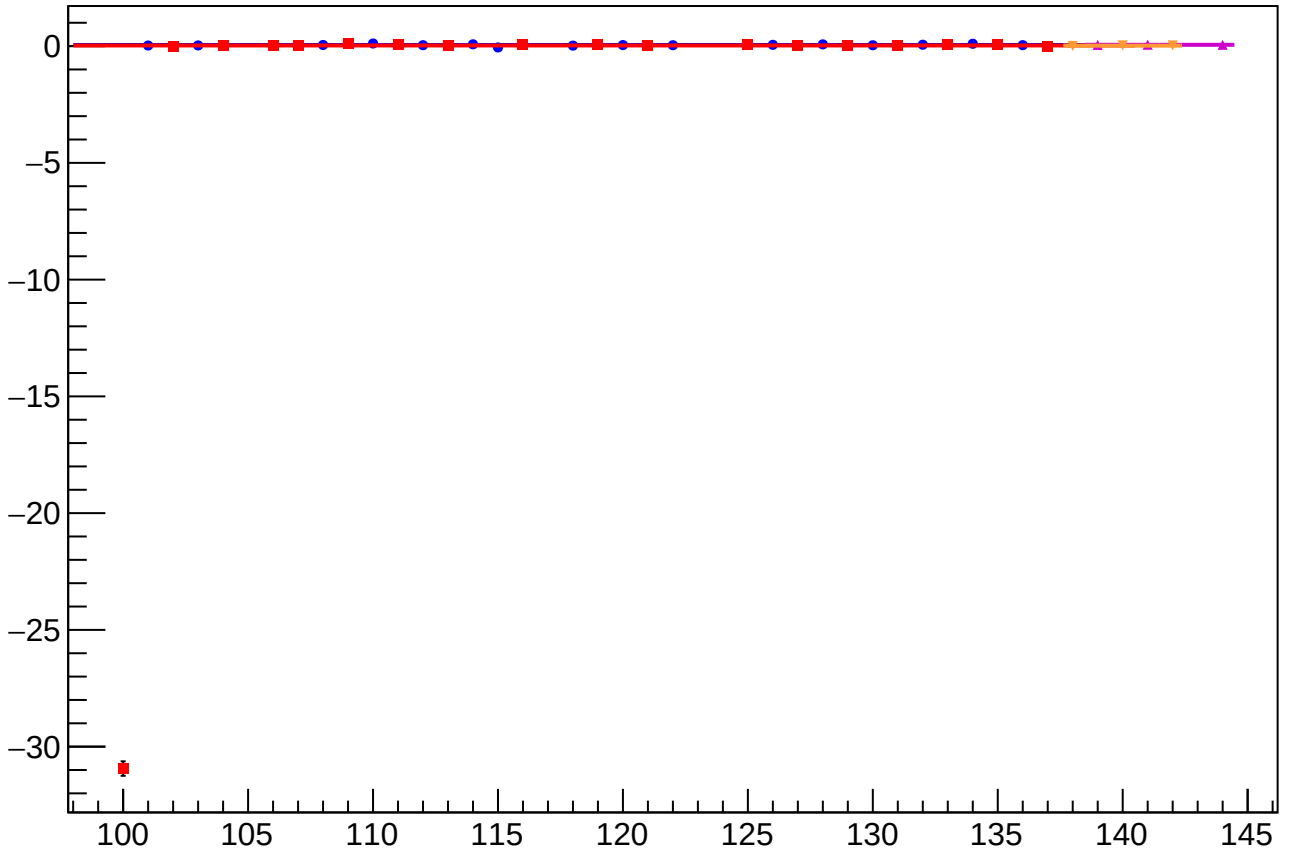
Left: -0.146+/-0.141 χ^2/NDF: 9.8/5

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: 0.043+/-0.095 χ^2/NDF:24.4/18

Out: -0.230+/-0.096 χ^2/NDF:21.6/20

All: -0.091+/-0.068 χ^2/NDF: 50.1/39



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.020+/-0.009 χ^2/NDF:2.0/2

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.056+/-0.008 χ^2/NDF:0.2/2

Left: 0.040+/-0.006 χ^2/NDF: 12.2/5

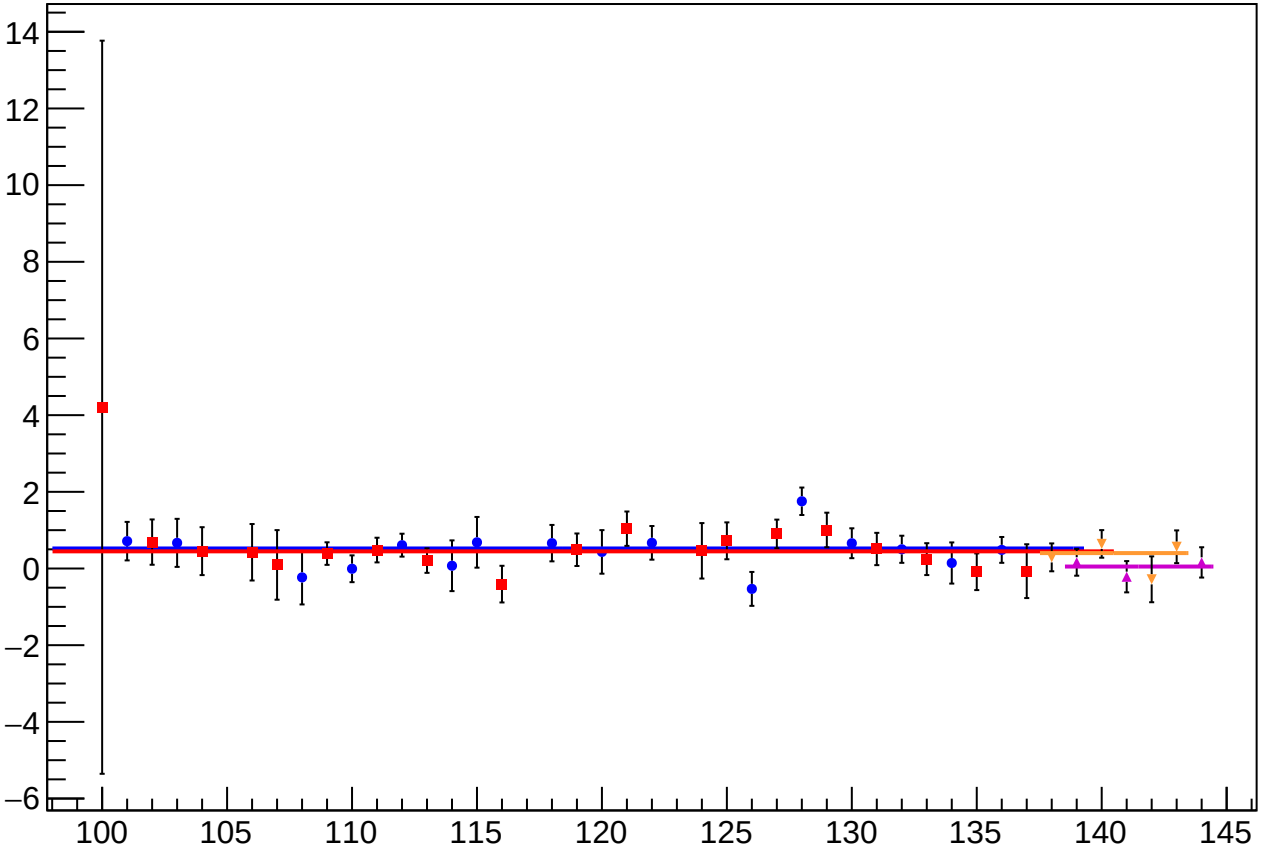
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.051+/-0.005 χ^2/NDF:20.0/18

Out: 0.025+/-0.005 χ^2/NDF:10023.5/20

All: 0.039+/-0.004 χ^2/NDF: 10057.7/39

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.402+/-0.206 χ^2/NDF:2.0/3

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: 0.051+/-0.220 χ^2/NDF:0.6/2

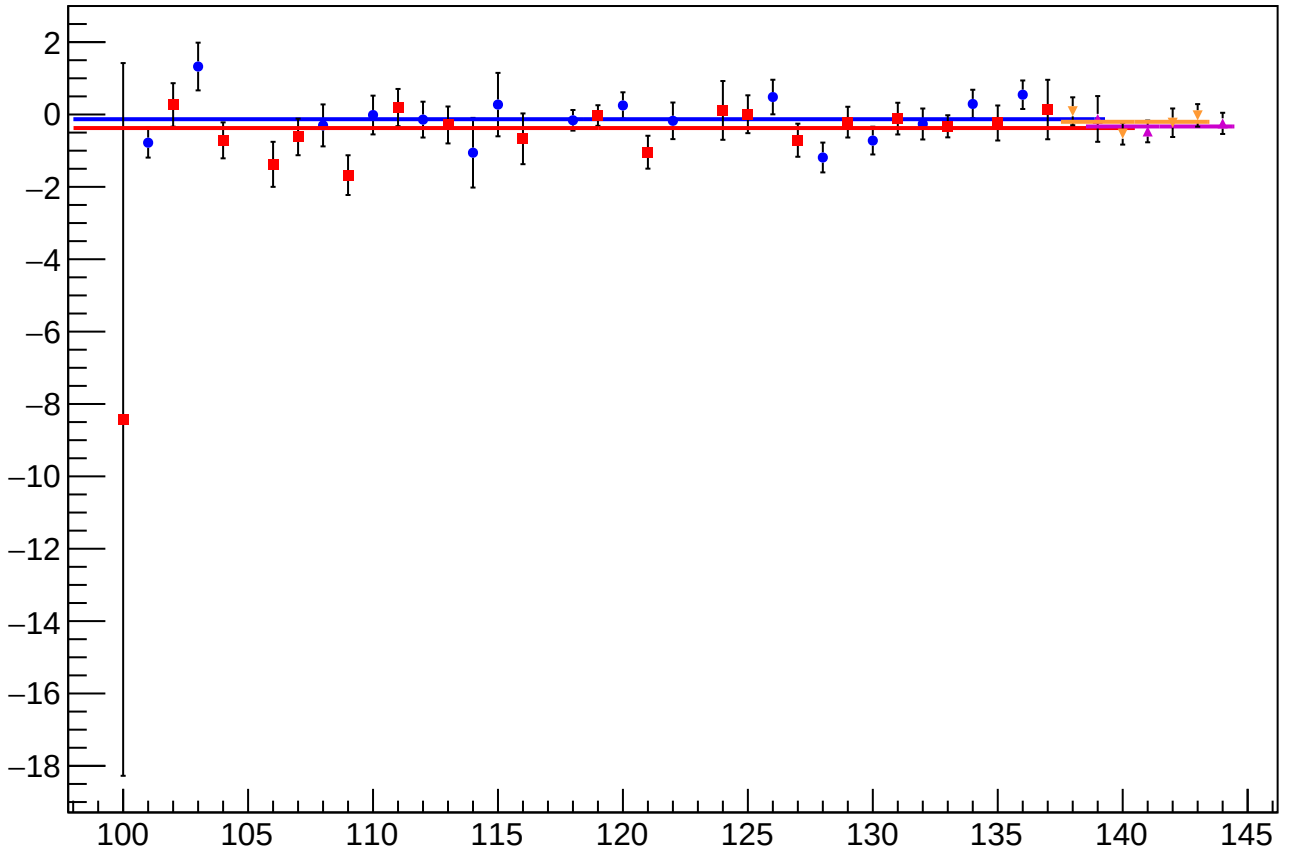
Left: 0.239+/-0.150 χ^2/NDF: 3.9/6

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.431+/-0.097 χ^2/NDF:26.9/18

Out: 0.438+/-0.094 χ^2/NDF:13.4/22

All: 0.435+/-0.067 χ^2/NDF: 40.3/41



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.202+/-0.170 χ^2/NDF:2.1/3

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.331+/-0.199 χ^2/NDF:0.4/2

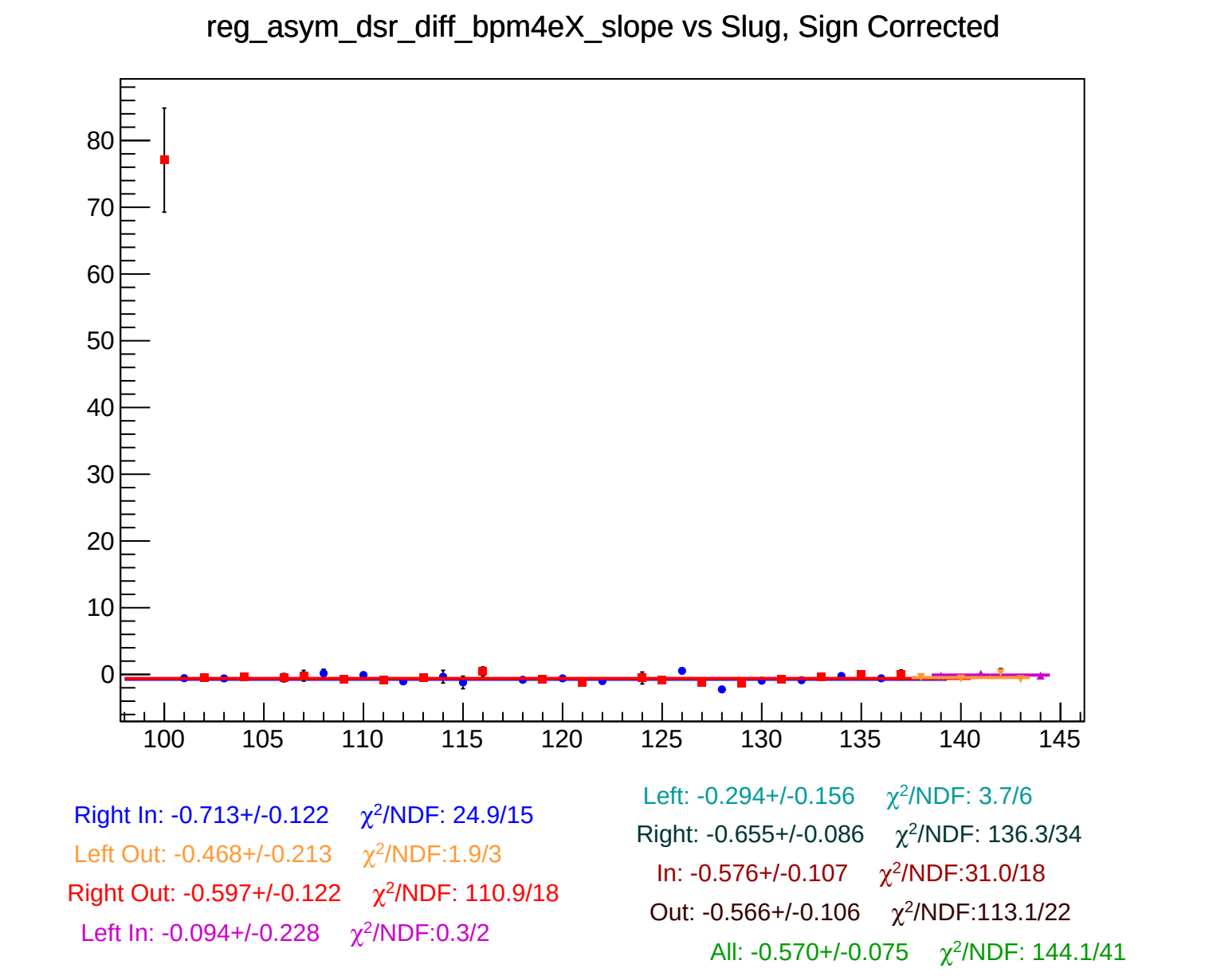
Left: -0.257+/-0.129 χ^2/NDF: 2.7/6

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

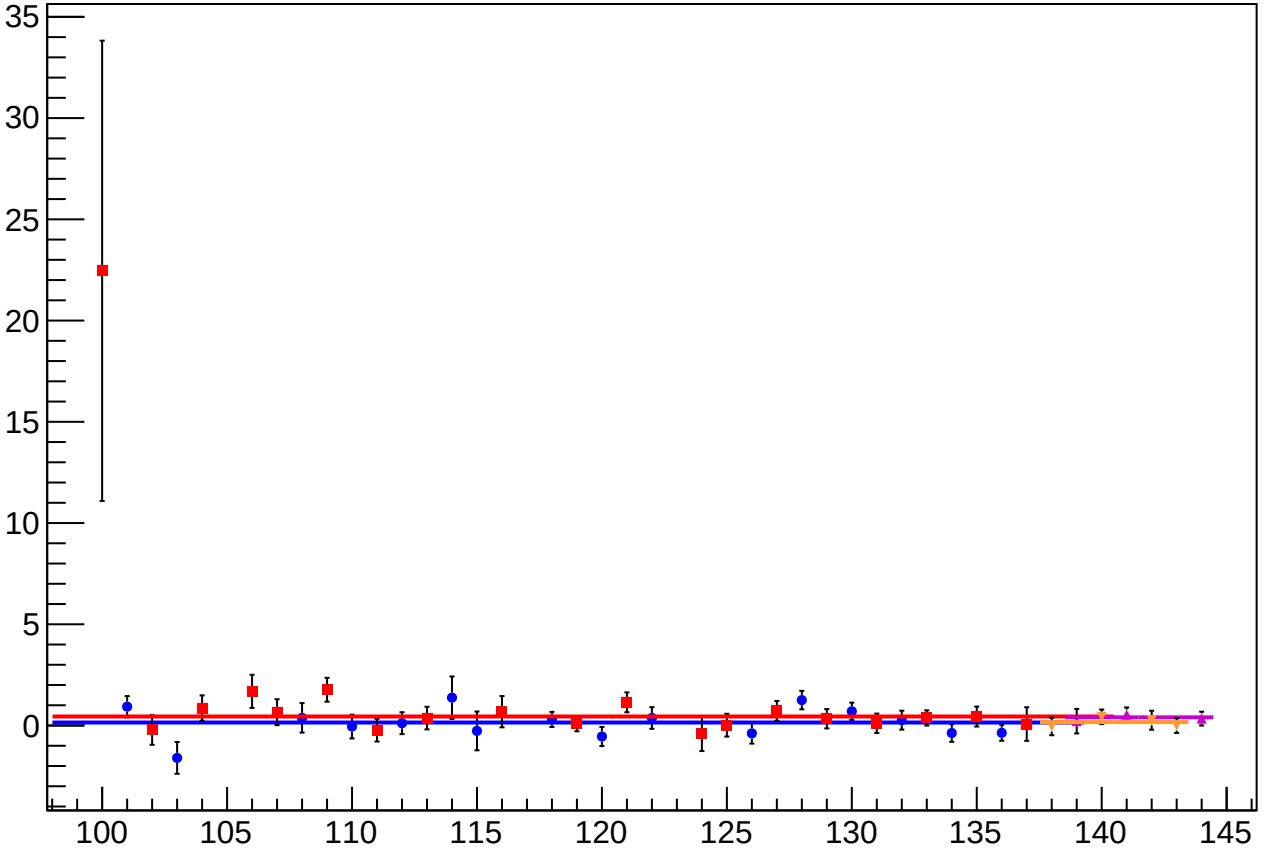
In: -0.178+/-0.097 χ^2/NDF:25.7/18

Out: -0.323+/-0.093 χ^2/NDF:21.0/22

All: -0.254+/-0.067 χ^2/NDF: 47.9/41


reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: -0.713+/-0.122 χ2/NDF: 24.9/15
Left Out: -0.468+/-0.213 χ2/NDF:1.9/3
Right Out: -0.597+/-0.122 χ2/NDF: 110.9/18
Left In: -0.094+/-0.228 χ2/NDF:0.3/2
Left: -0.294+/-0.156 χ2/NDF: 3.7/6
Right: -0.655+/-0.086 χ2/NDF: 136.3/34
In: -0.576+/-0.107 χ2/NDF:31.0/18
Out: -0.566+/-0.106 χ2/NDF:113.1/22
All: -0.570+/-0.075 χ2/NDF: 144.1/41

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.200 χ^2/NDF:1.0/3

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.404+/-0.228 χ^2/NDF:0.3/2

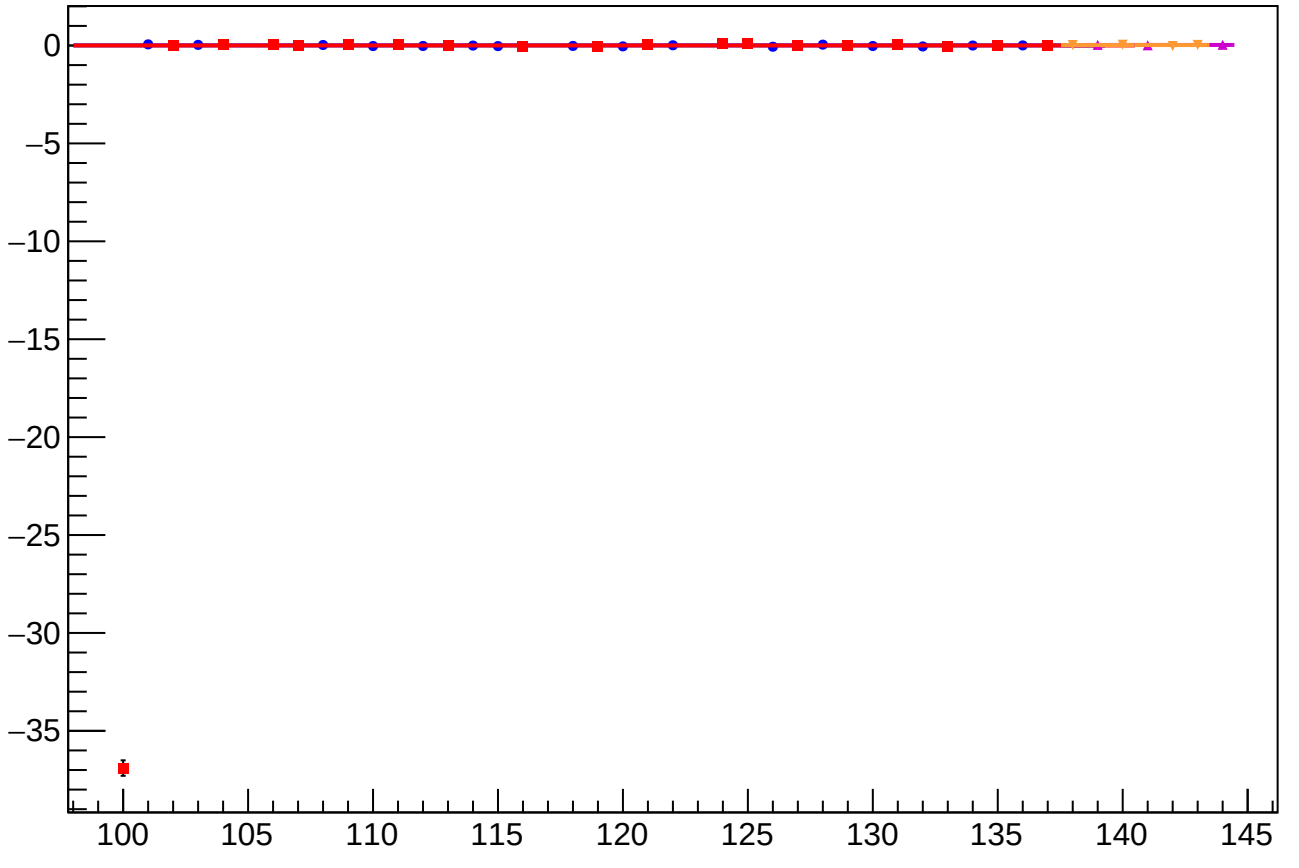
Left: 0.271+/-0.151 χ^2/NDF: 1.9/6

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.209+/-0.112 χ^2/NDF:24.5/18

Out: 0.365+/-0.108 χ^2/NDF:22.1/22

All: 0.290+/-0.078 χ^2/NDF: 47.6/41



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.023+/-0.009 χ^2/NDF:5.2/3

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.028+/-0.009 χ^2/NDF:1.3/2

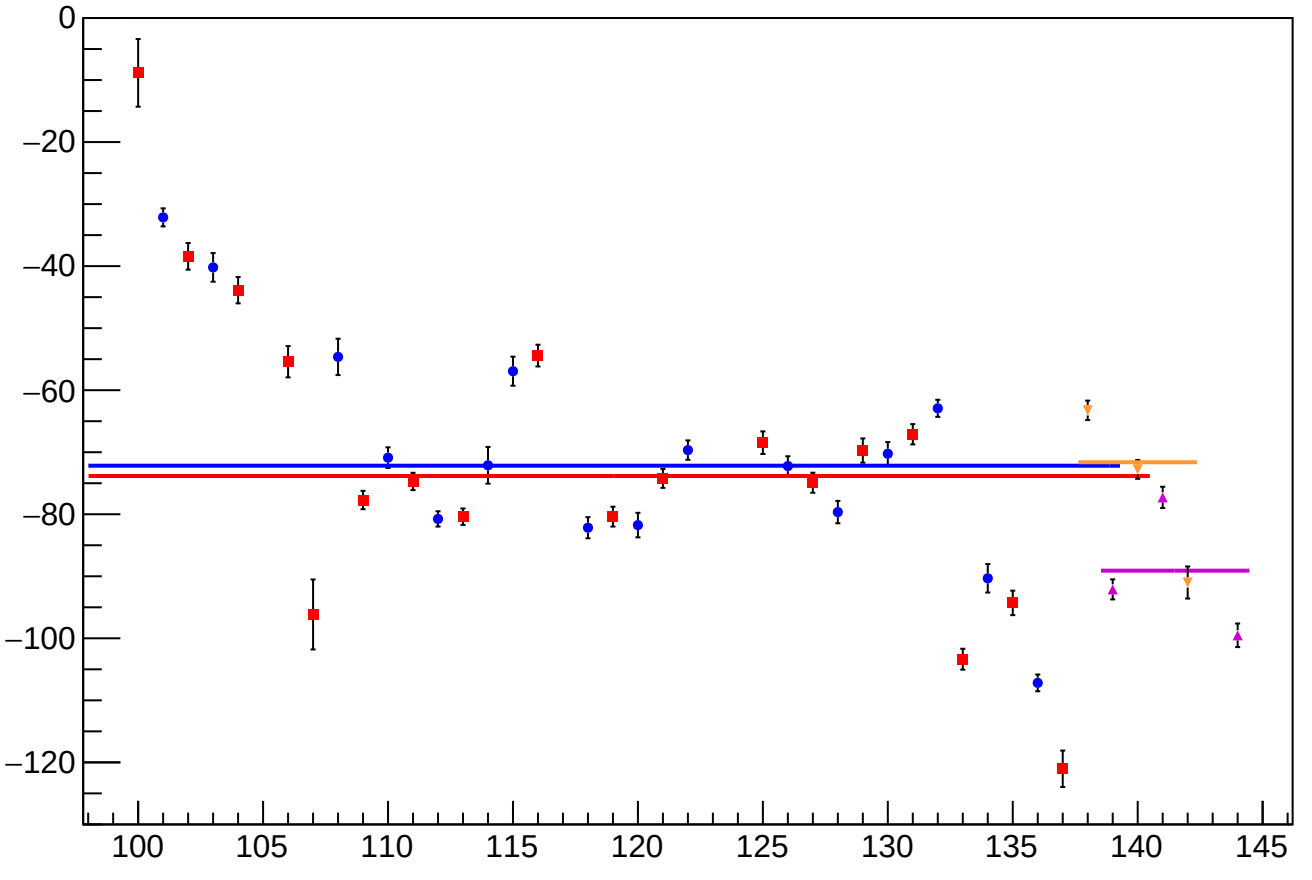
Left: 0.026+/-0.006 χ^2/NDF: 6.7/6

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.015+/-0.006 χ^2/NDF:22.5/18

Out: 0.011+/-0.006 χ^2/NDF:8761.8/22

All: 0.013+/-0.004 χ^2/NDF: 8784.6/41



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.613+/-1.006 χ^2/NDF:85.2/2

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -89.094+/-1.000 χ^2/NDF:81.1/2

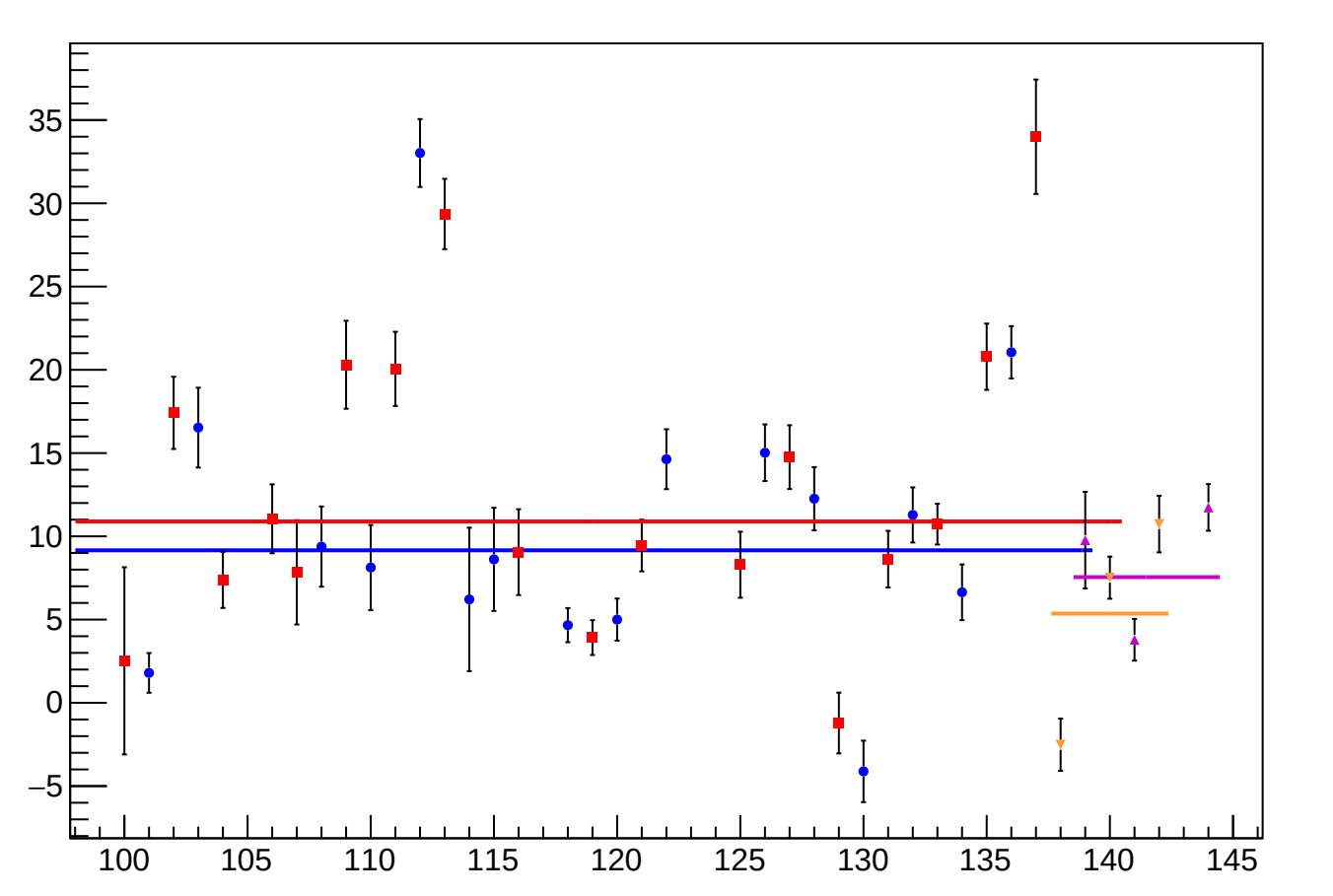
Left: -80.402+/-0.709 χ^2/NDF: 318.2/5

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -74.833+/-0.397 χ^2/NDF:2258.3/18

Out: -73.487+/-0.396 χ^2/NDF:1647.0/20

All: -74.159+/-0.280 χ^2/NDF: 3911.1/39



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.360+/-0.852 χ^2/NDF:38.2/2

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 7.549+/-0.888 χ^2/NDF:18.5/2

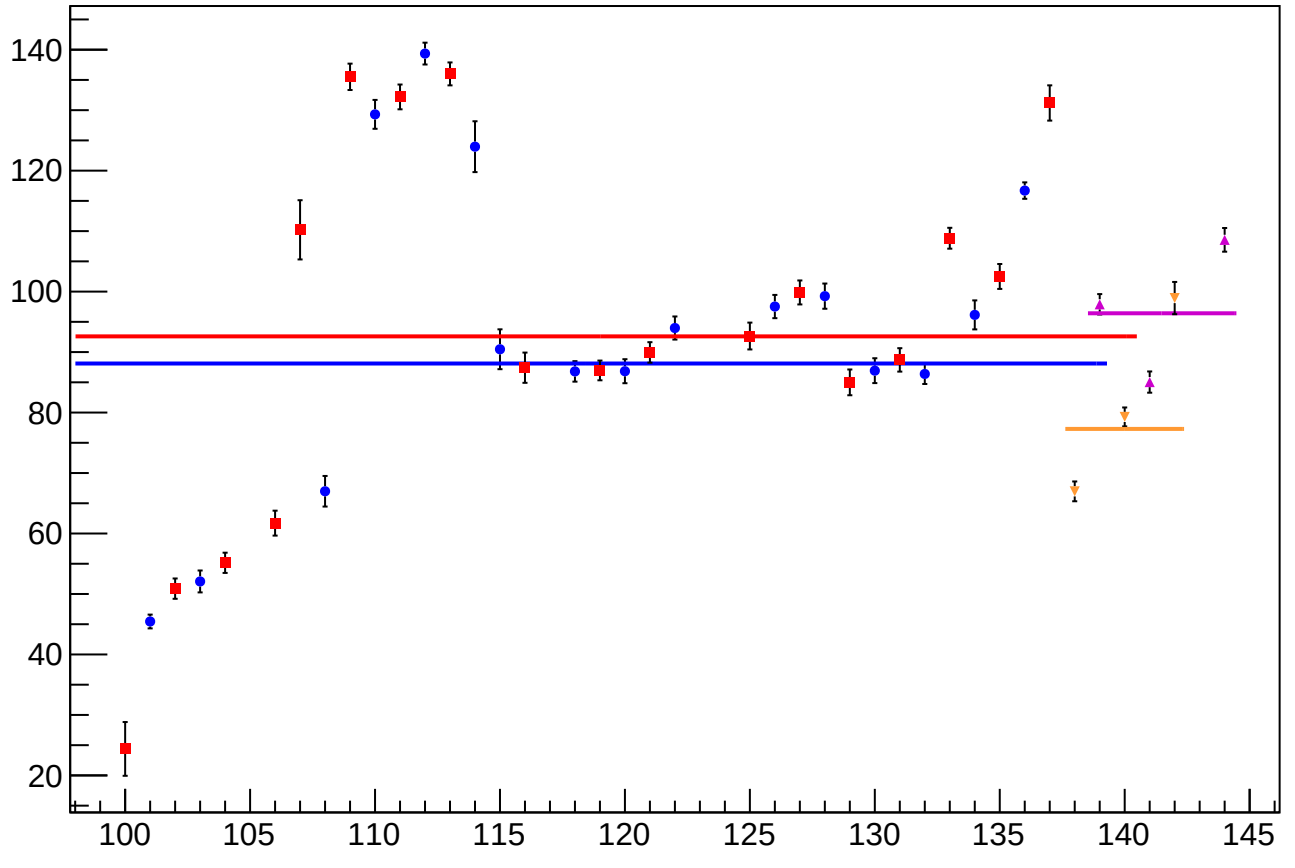
Left: 6.409+/-0.615 χ^2/NDF: 59.9/5

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 8.860+/-0.383 χ^2/NDF:373.3/18

Out: 9.726+/-0.391 χ^2/NDF:361.6/20

All: 9.285+/-0.274 χ^2/NDF: 737.5/39



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.295+/-1.041 χ^2/NDF:107.2/2

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 96.414+/-1.034 χ^2/NDF:81.2/2

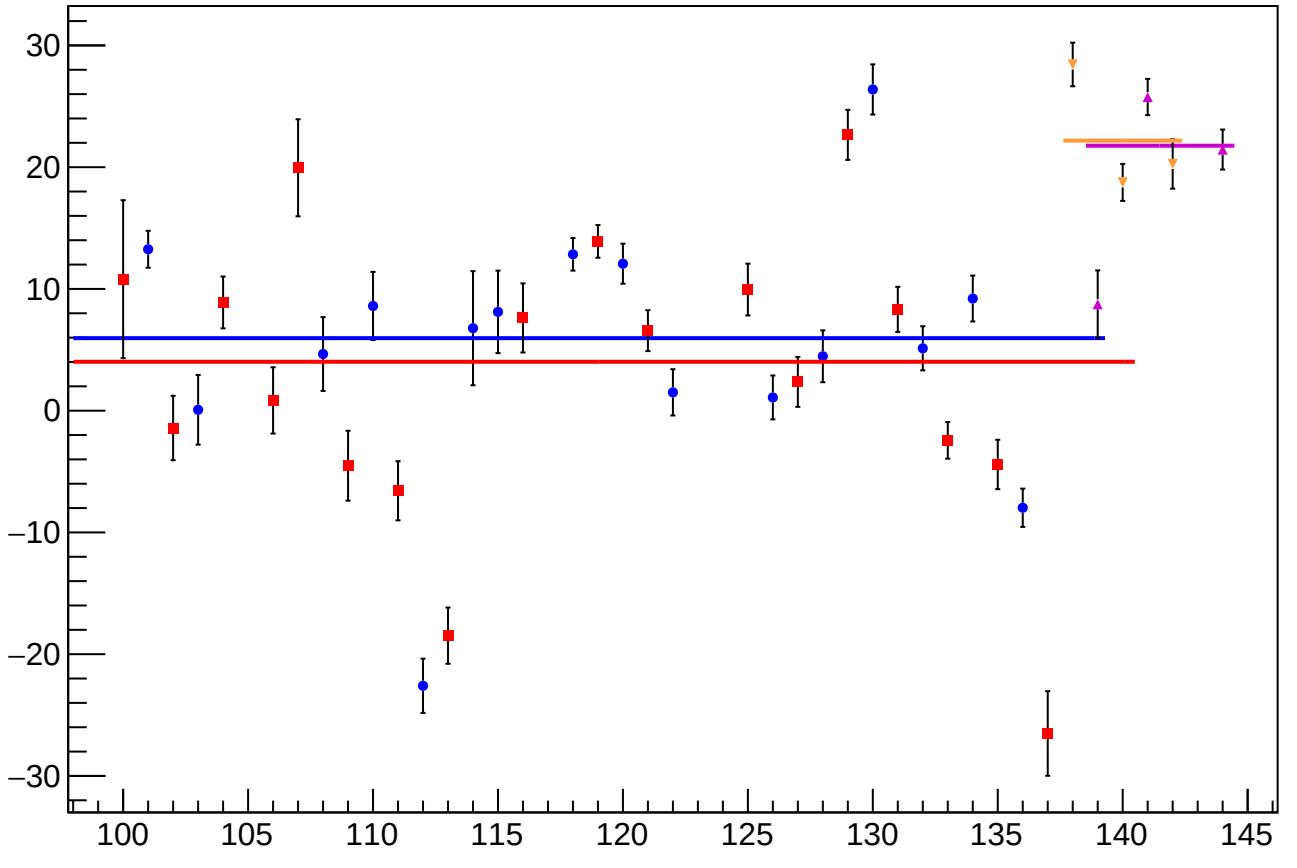
Left: 86.922+/-0.733 χ^2/NDF: 358.3/5

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 89.525+/-0.427 χ^2/NDF:3696.4/18

Out: 89.884+/-0.438 χ^2/NDF:3496.0/20

All: 89.700+/-0.306 χ^2/NDF: 7192.7/39



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 22.180+/-1.006 χ^2/NDF:18.2/2

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 21.764+/-1.026 χ^2/NDF:29.2/2

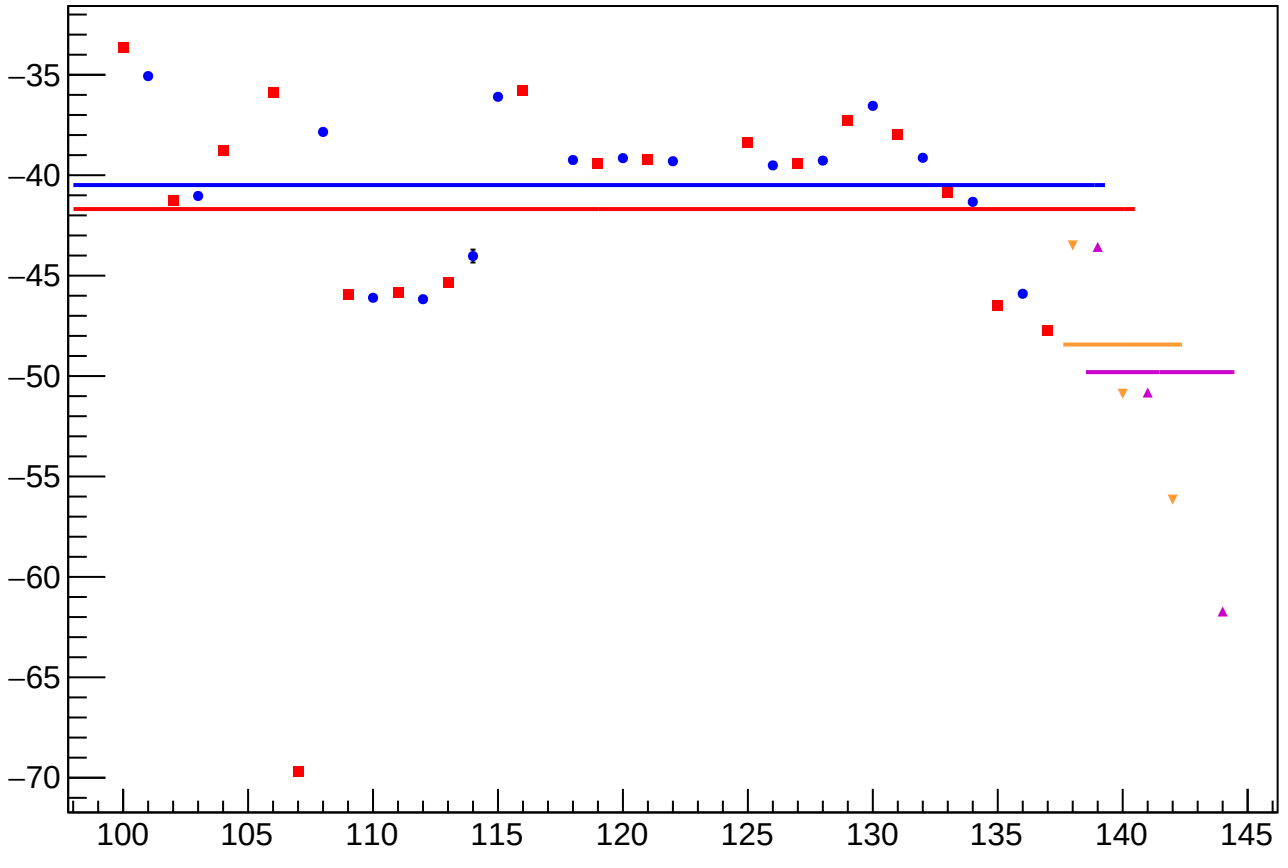
Left: 21.976+/-0.718 χ^2/NDF: 47.5/5

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 8.940+/-0.446 χ^2/NDF:648.6/18

Out: 7.725+/-0.455 χ^2/NDF:695.2/20

All: 8.345+/-0.318 χ^2/NDF: 1347.5/39



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -48.430+/-0.044 χ^2/NDF:11902.2/2

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -49.805+/-0.041 χ^2/NDF:29398.9/2

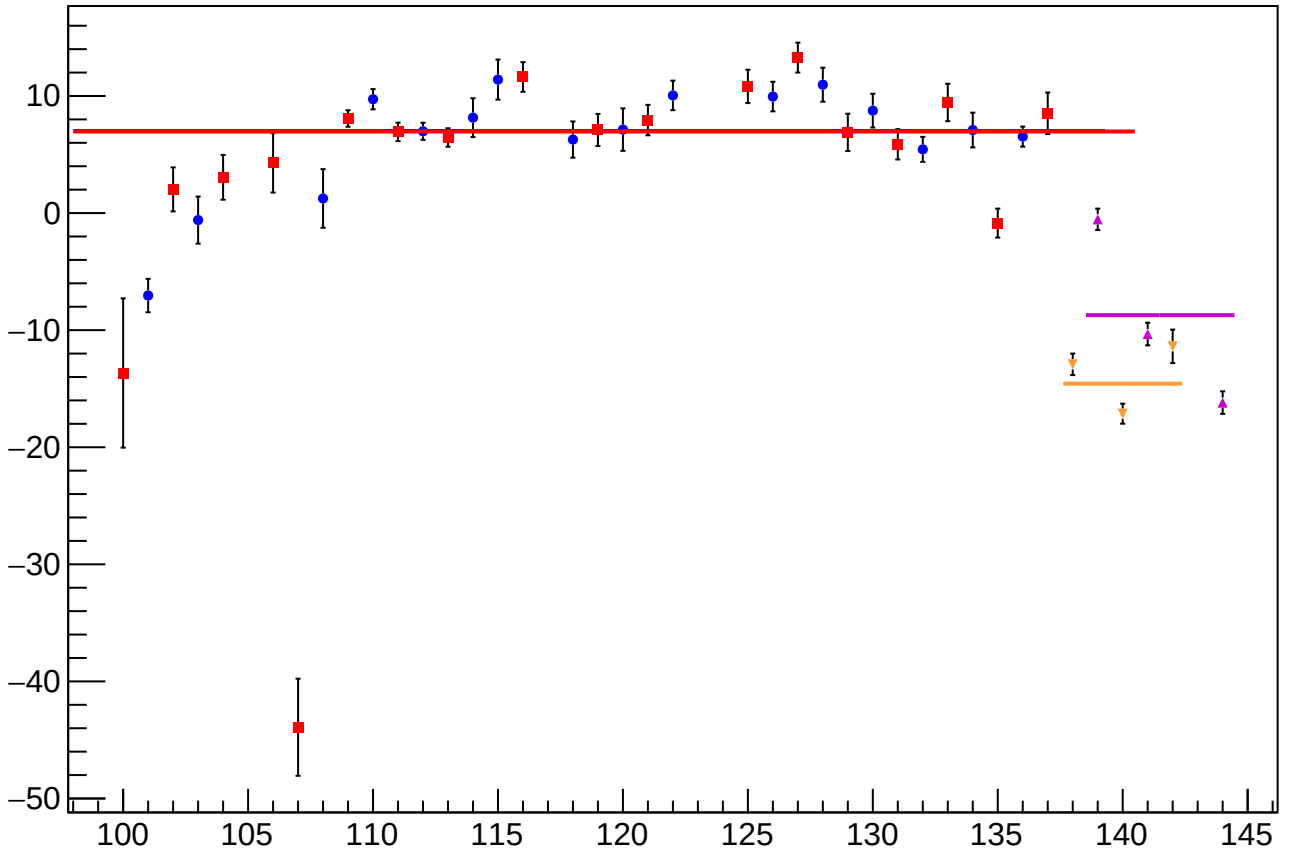
Left: -49.165+/-0.030 χ^2/NDF: 41829.5/5

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -43.518+/-0.023 χ^2/NDF:82696.2/18

Out: -43.770+/-0.024 χ^2/NDF:65164.1/20

All: -43.638+/-0.017 χ^2/NDF: 147916.0/39



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -14.569+/-0.573 χ^2/NDF:17.2/2

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -8.717+/-0.546 χ^2/NDF:143.4/2

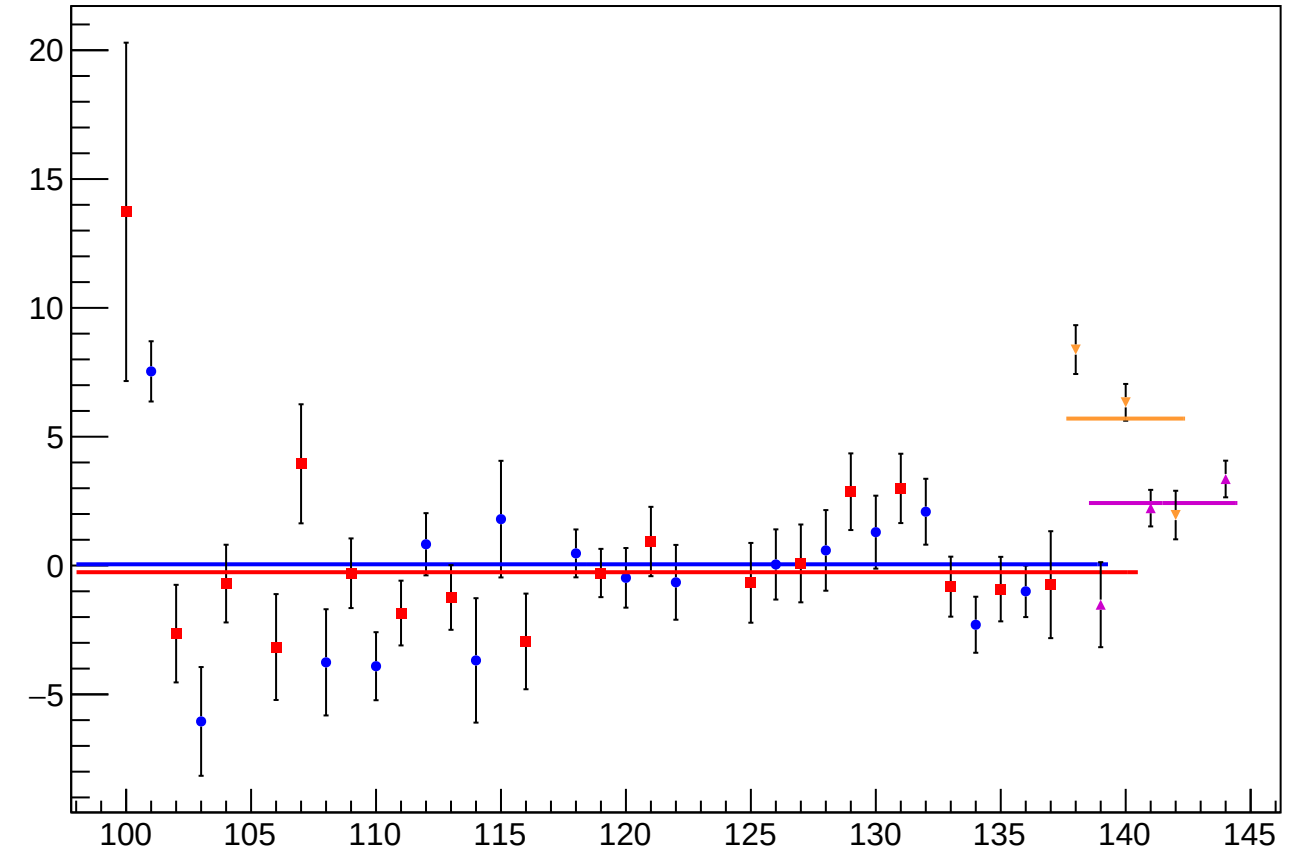
Left: -11.503+/-0.396 χ^2/NDF: 215.2/5

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 3.195+/-0.269 χ^2/NDF:927.2/18

Out: 2.381+/-0.265 χ^2/NDF:1394.1/20

All: 2.781+/-0.189 χ^2/NDF: 2326.0/39



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 5.704+/-0.488 χ^2/NDF:24.5/2

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 2.426+/-0.480 χ^2/NDF:7.5/2

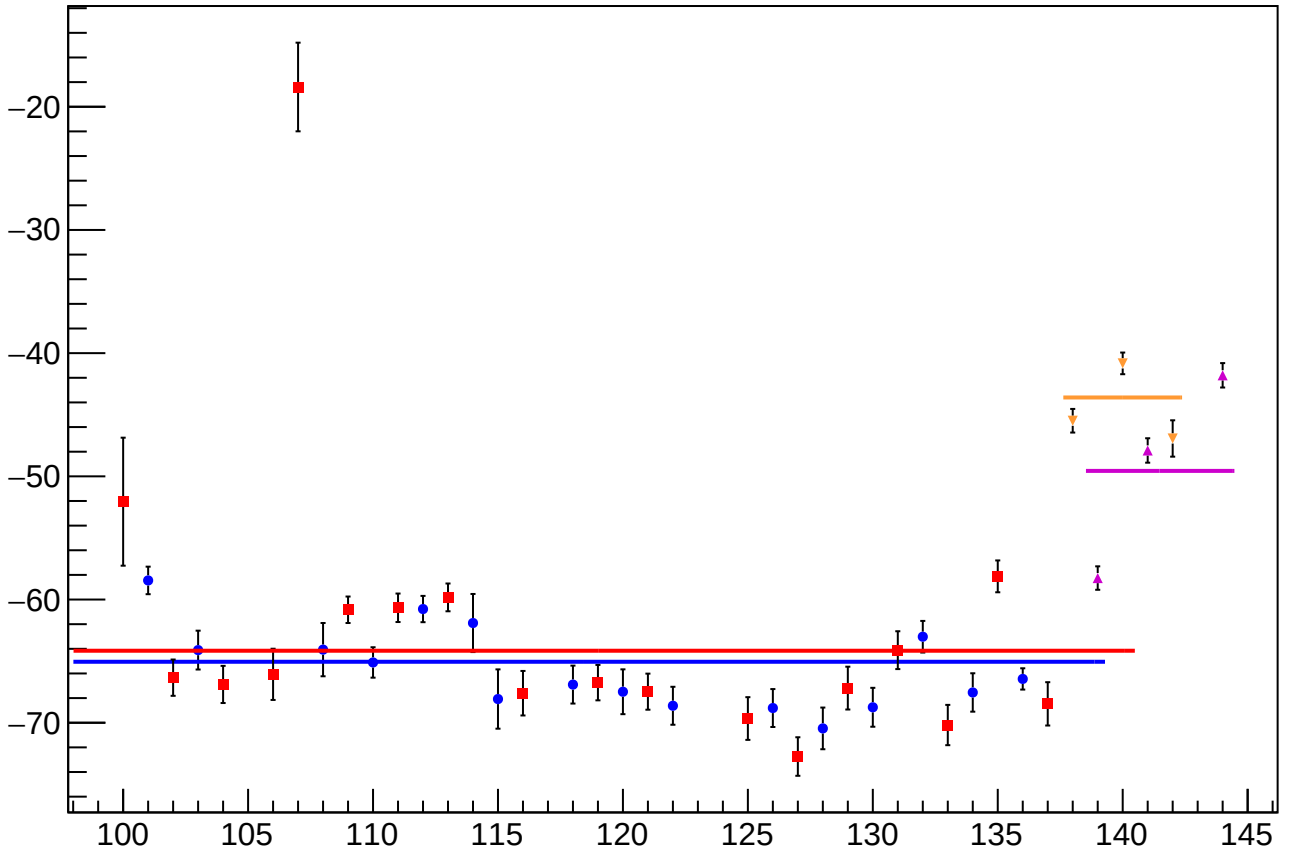
Left: 4.040+/-0.342 χ^2/NDF: 55.0/5

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.815+/-0.273 χ^2/NDF:99.1/18

Out: 1.725+/-0.281 χ^2/NDF:151.8/20

All: 1.256+/-0.196 χ^2/NDF: 256.3/39



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -43.598+/-0.593 χ^2/NDF:18.9/2

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -49.558+/-0.564 χ^2/NDF:147.6/2

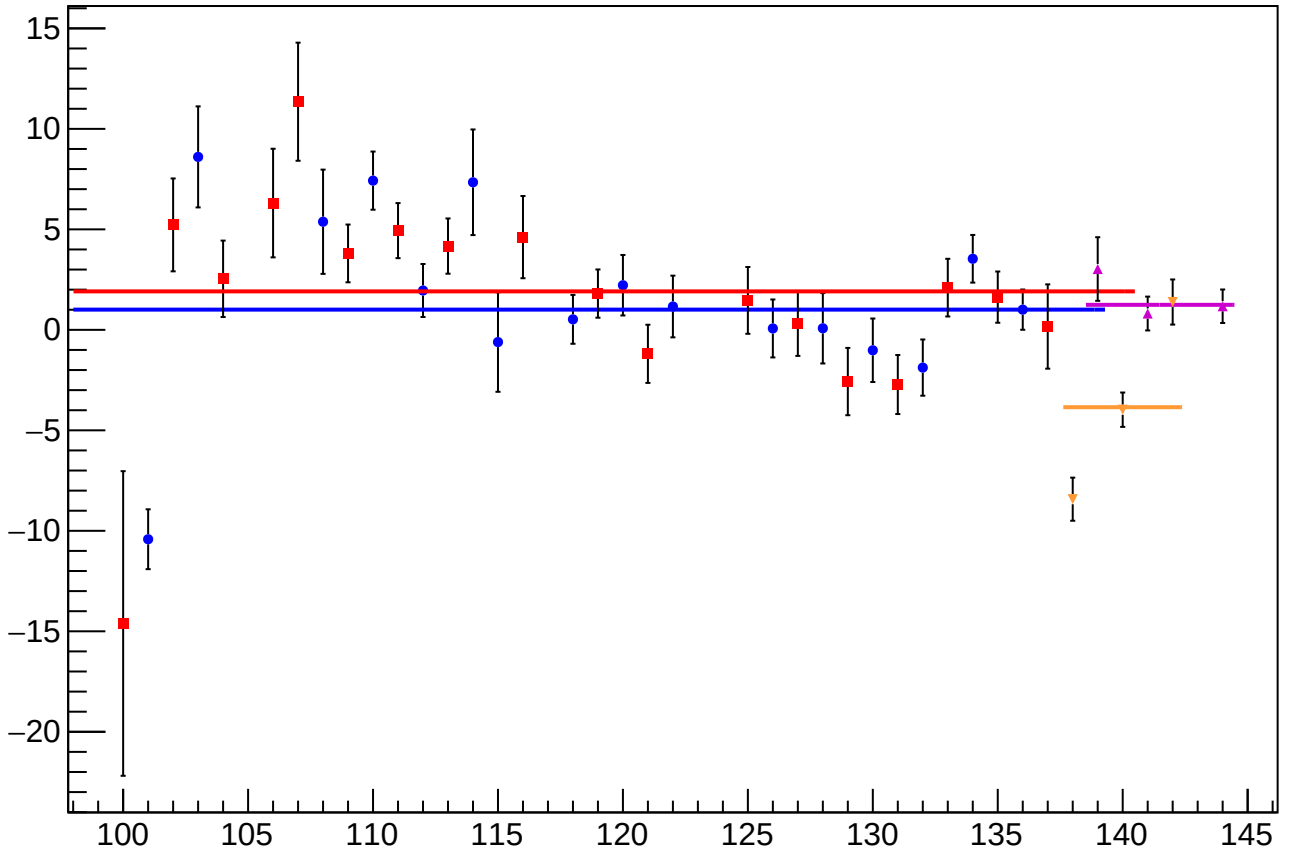
Left: -46.727+/-0.409 χ^2/NDF: 219.5/5

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.676+/-0.300 χ^2/NDF:781.4/18

Out: -58.612+/-0.308 χ^2/NDF:1199.7/20

All: -59.672+/-0.215 χ^2/NDF: 2004.1/39



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -3.849+/-0.574 χ^2/NDF:40.0/2

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.244+/-0.554 χ^2/NDF:1.5/2

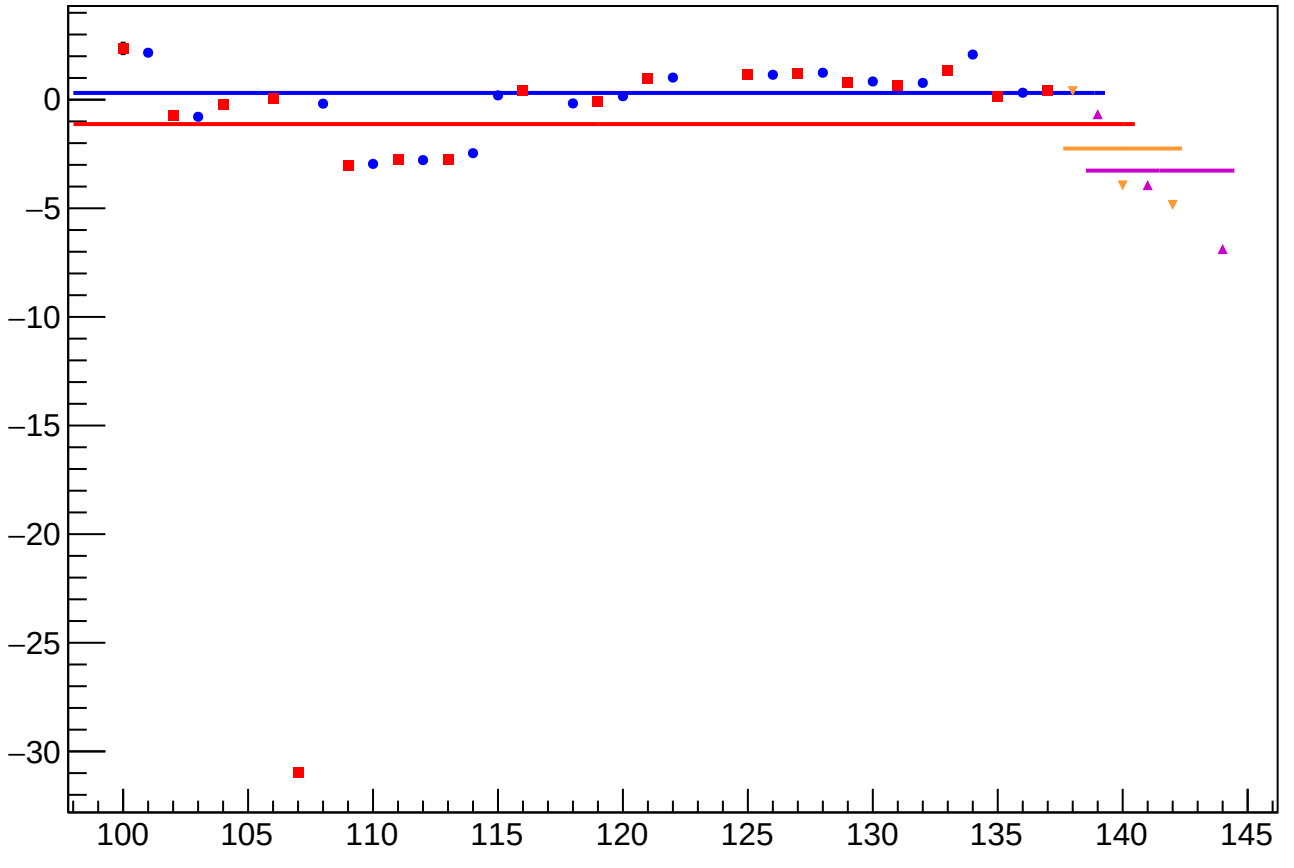
Left: -1.213+/-0.399 χ^2/NDF: 82.2/5

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.081+/-0.311 χ^2/NDF:110.9/18

Out: 0.097+/-0.322 χ^2/NDF:163.4/20

All: 0.607+/-0.224 χ^2/NDF: 279.1/39



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.248+/-0.025 χ^2/NDF:8611.1/2

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -3.265+/-0.022 χ^2/NDF:12739.4/2

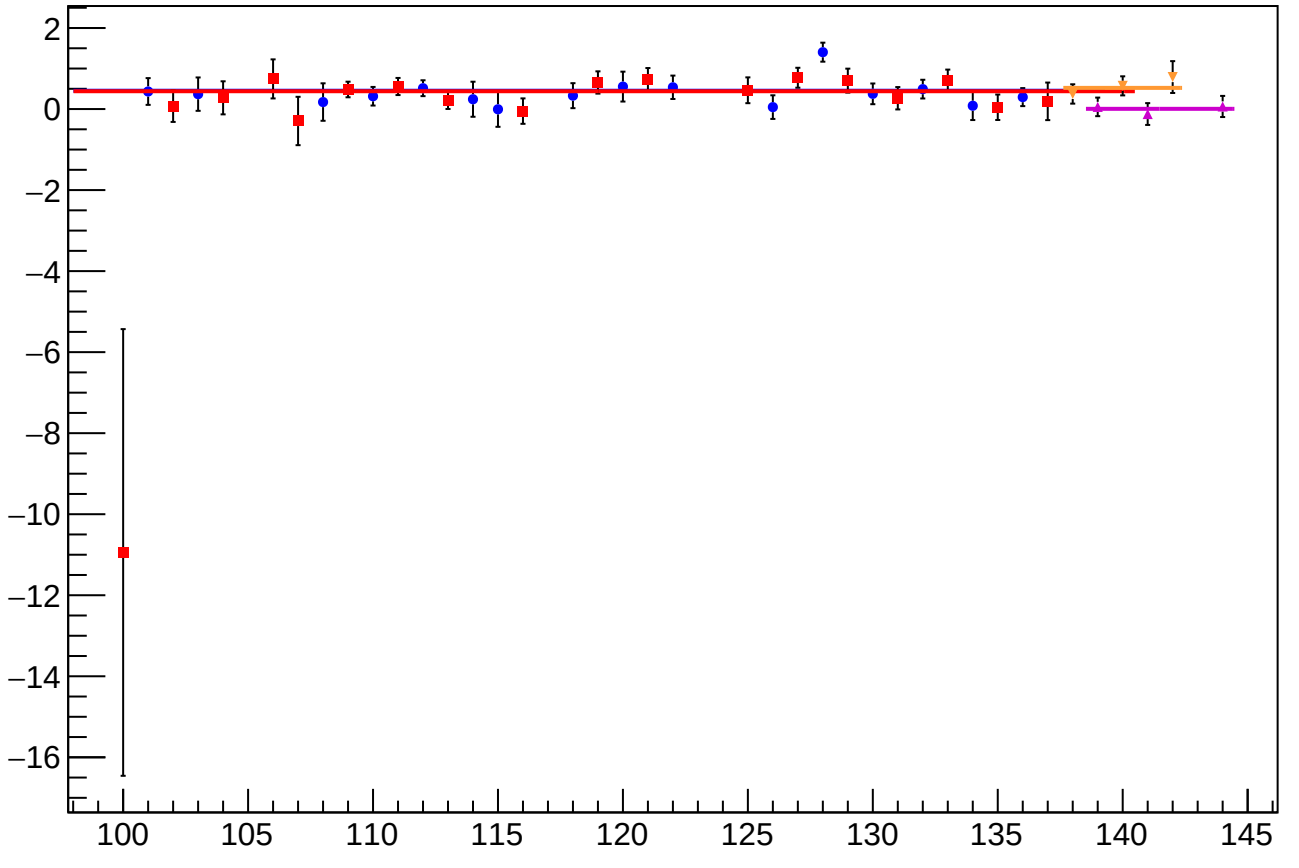
Left: -2.807+/-0.017 χ^2/NDF: 22275.3/5

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.364+/-0.015 χ^2/NDF:31080.1/18

Out: -1.625+/-0.017 χ^2/NDF:56100.9/20

All: -1.485+/-0.011 χ^2/NDF: 87314.5/39



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.522+/-0.154 χ^2/NDF:0.9/2

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.005+/-0.145 χ^2/NDF:0.3/2

Left: 0.248+/-0.106 χ^2/NDF: 7.2/5

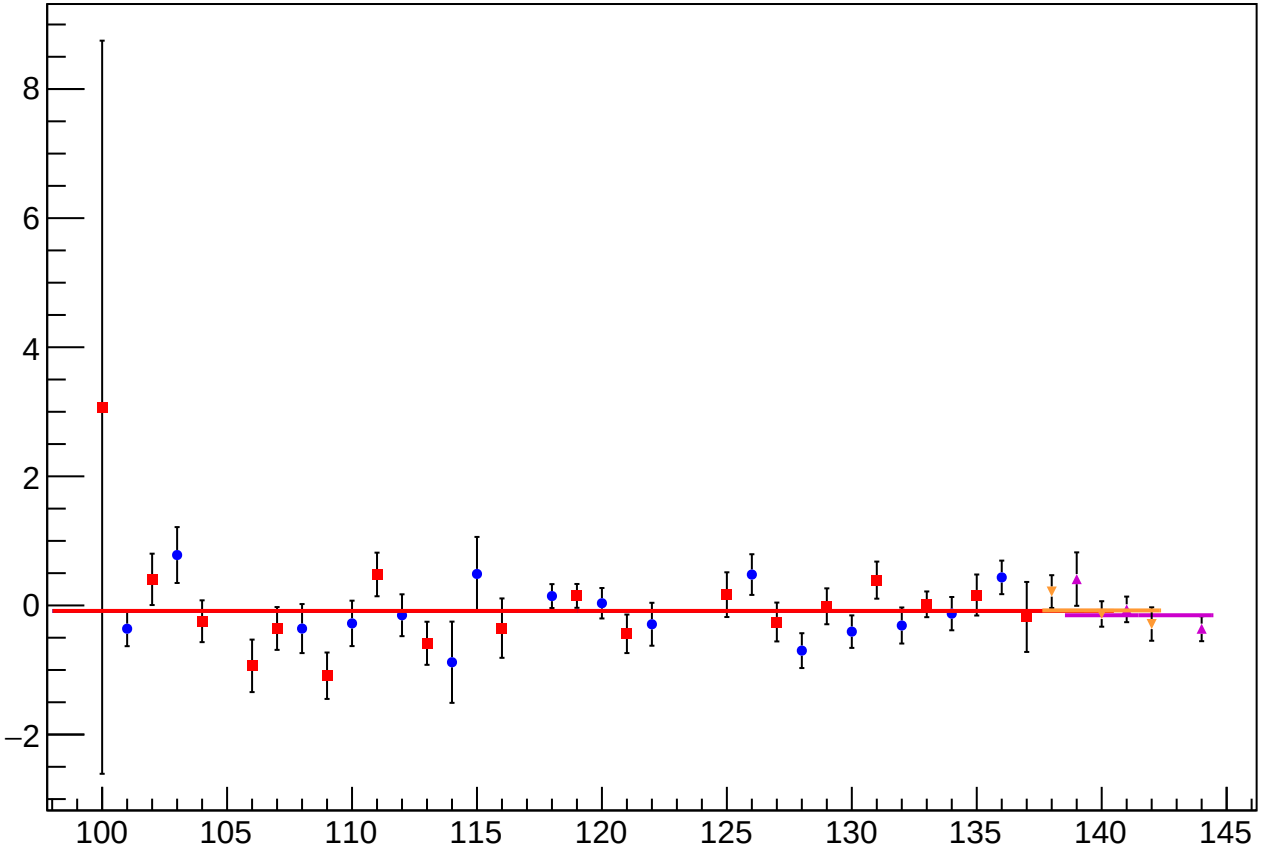
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.365+/-0.064 χ^2/NDF:30.6/18

Out: 0.454+/-0.063 χ^2/NDF:19.7/20

All: 0.410+/-0.045 χ^2/NDF: 51.3/39

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.078+/-0.133 χ^2/NDF:2.1/2

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.152+/-0.131 χ^2/NDF:3.2/2

Left: -0.115+/-0.094 χ^2/NDF: 5.4/5

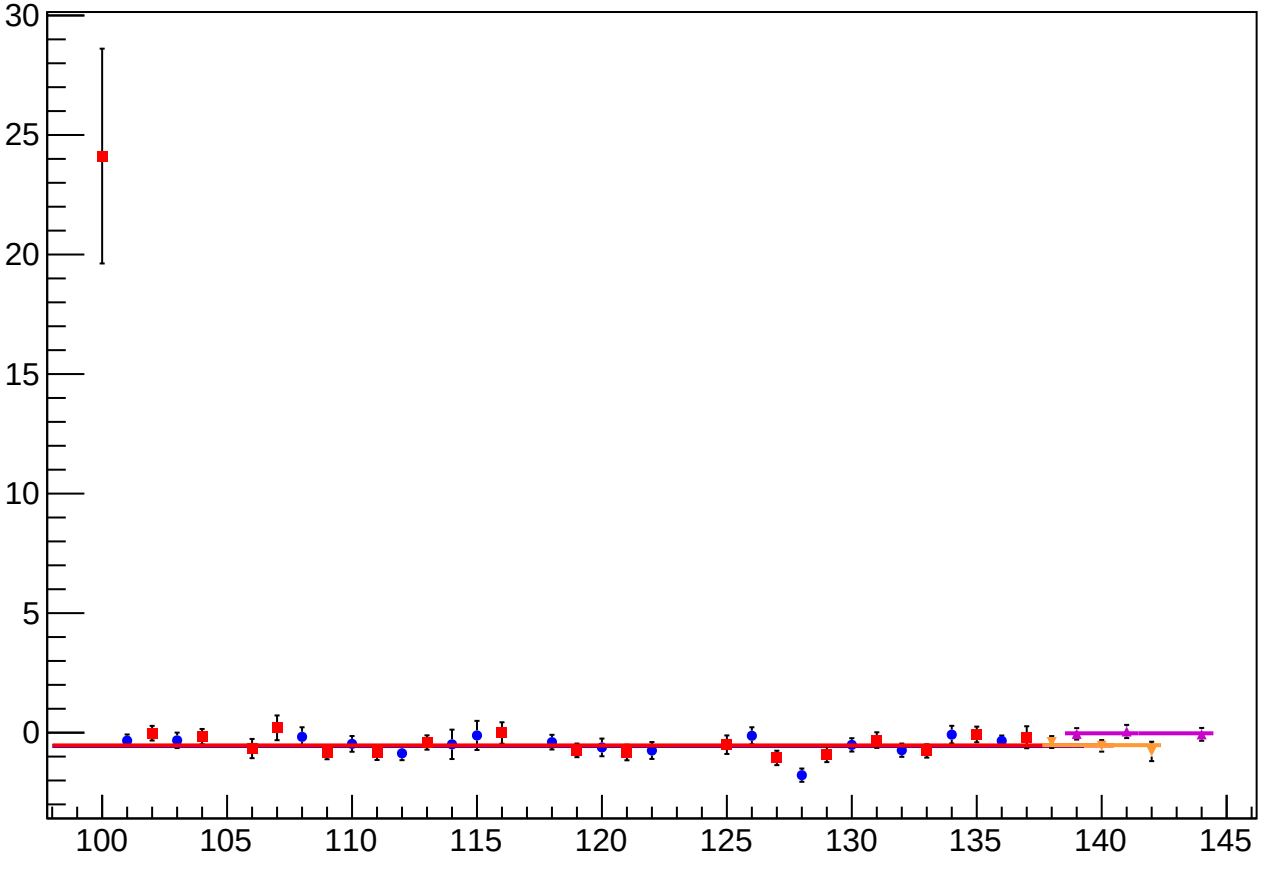
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.102+/-0.064 χ^2/NDF:28.8/18

Out: -0.084+/-0.064 χ^2/NDF:29.9/20

All: -0.093+/-0.045 χ^2/NDF: 58.8/39

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: -0.522+/-0.160 χ^2/NDF:0.7/2

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.027+/-0.150 χ^2/NDF:0.1/2

Left: -0.259+/-0.109 χ^2/NDF: 5.9/5

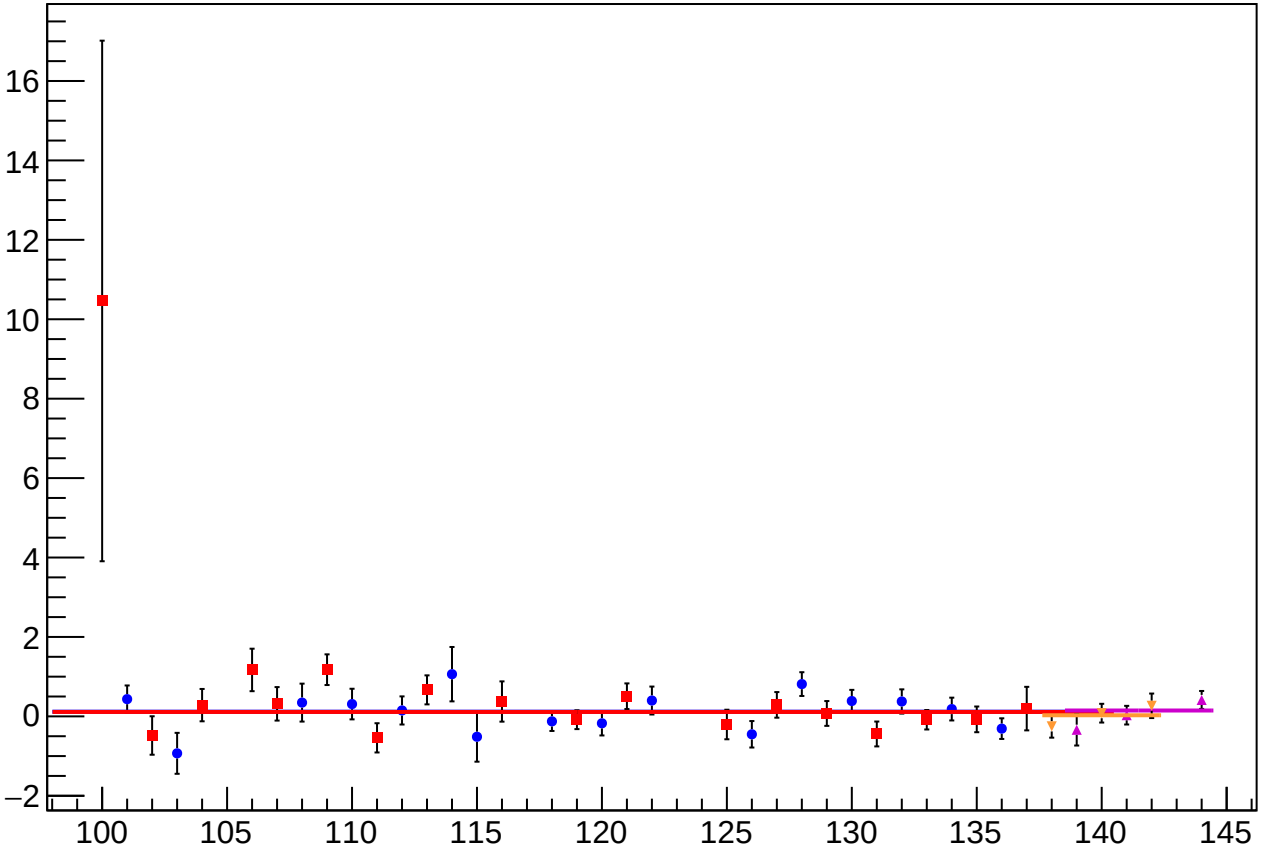
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.441+/-0.070 χ^2/NDF:38.3/18

Out: -0.531+/-0.072 χ^2/NDF:49.9/20

All: -0.485+/-0.050 χ^2/NDF: 88.9/39

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: 0.028+/-0.157 χ^2/NDF:1.6/2

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.148+/-0.151 χ^2/NDF:3.1/2

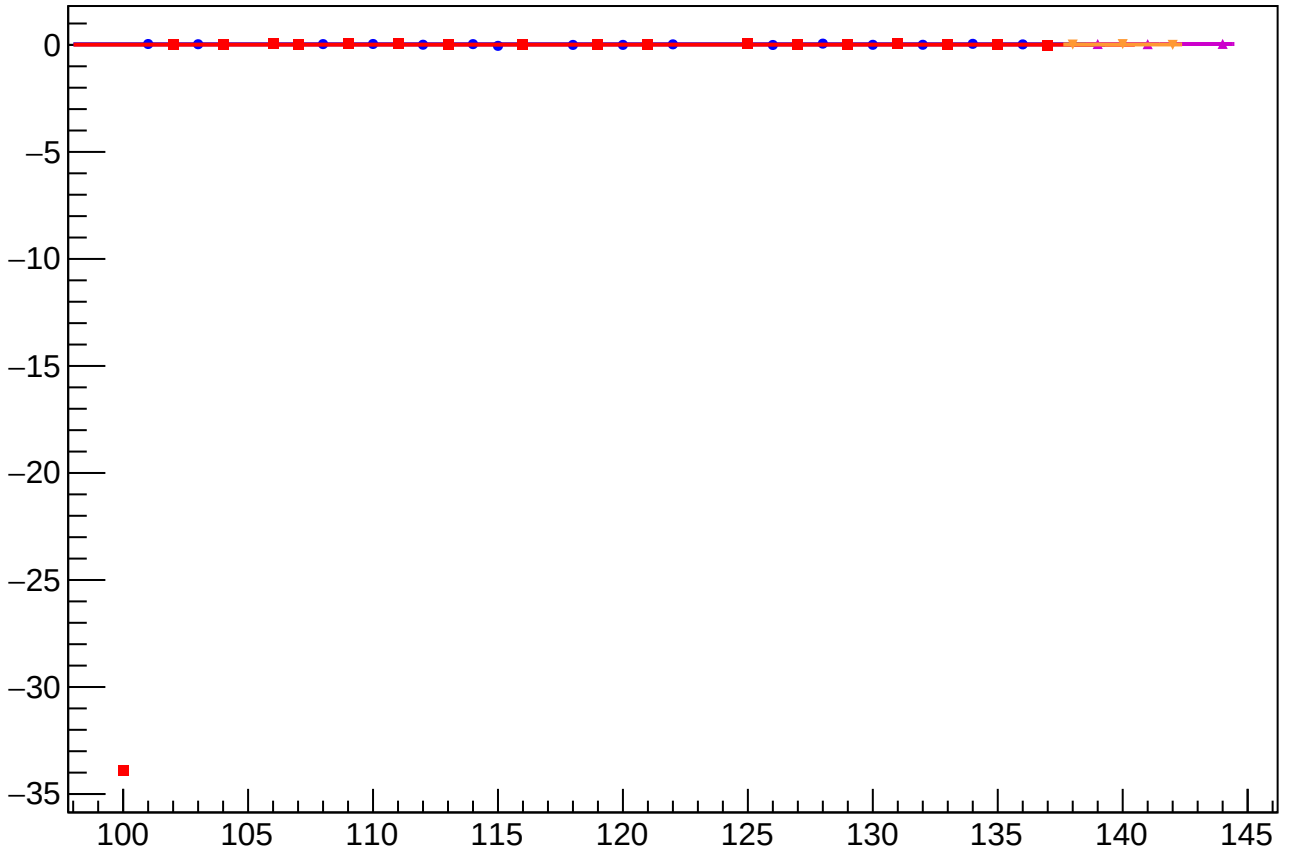
Left: 0.090+/-0.109 χ^2/NDF: 5.0/5

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.125+/-0.073 χ^2/NDF:26.8/18

Out: 0.092+/-0.075 χ^2/NDF:30.8/20

All: 0.109+/-0.052 χ^2/NDF: 57.7/39



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.021+/-0.007 χ^2/NDF:3.7/2

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.042+/-0.006 χ^2/NDF:0.5/2

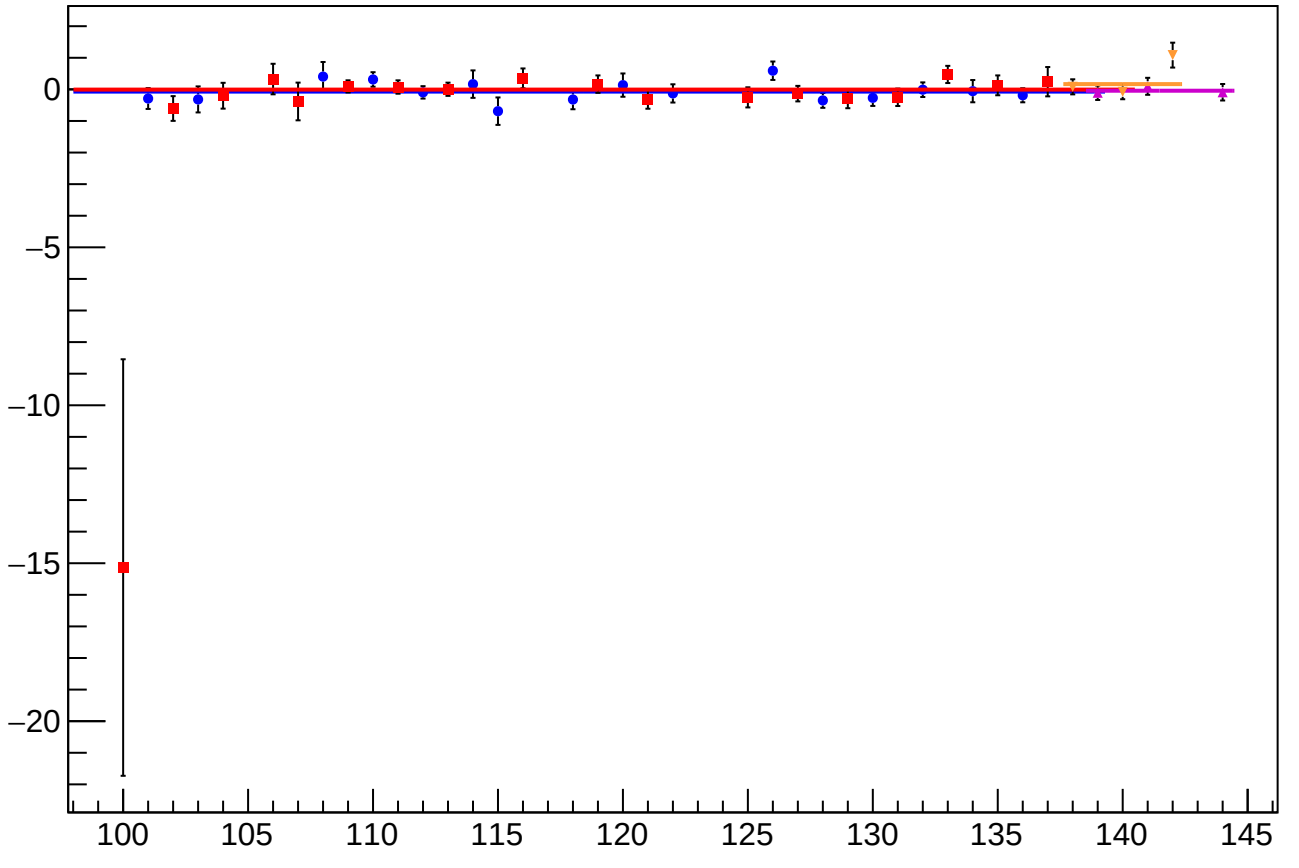
Left: 0.032+/-0.004 χ^2/NDF: 10.1/5

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.033+/-0.004 χ^2/NDF:18.8/18

Out: 0.015+/-0.004 χ^2/NDF:22266.9/20

All: 0.025+/-0.003 χ^2/NDF: 22297.2/39



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.167+/-0.154 χ^2/NDF:6.6/2

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: -0.043+/-0.145 χ^2/NDF:0.4/2

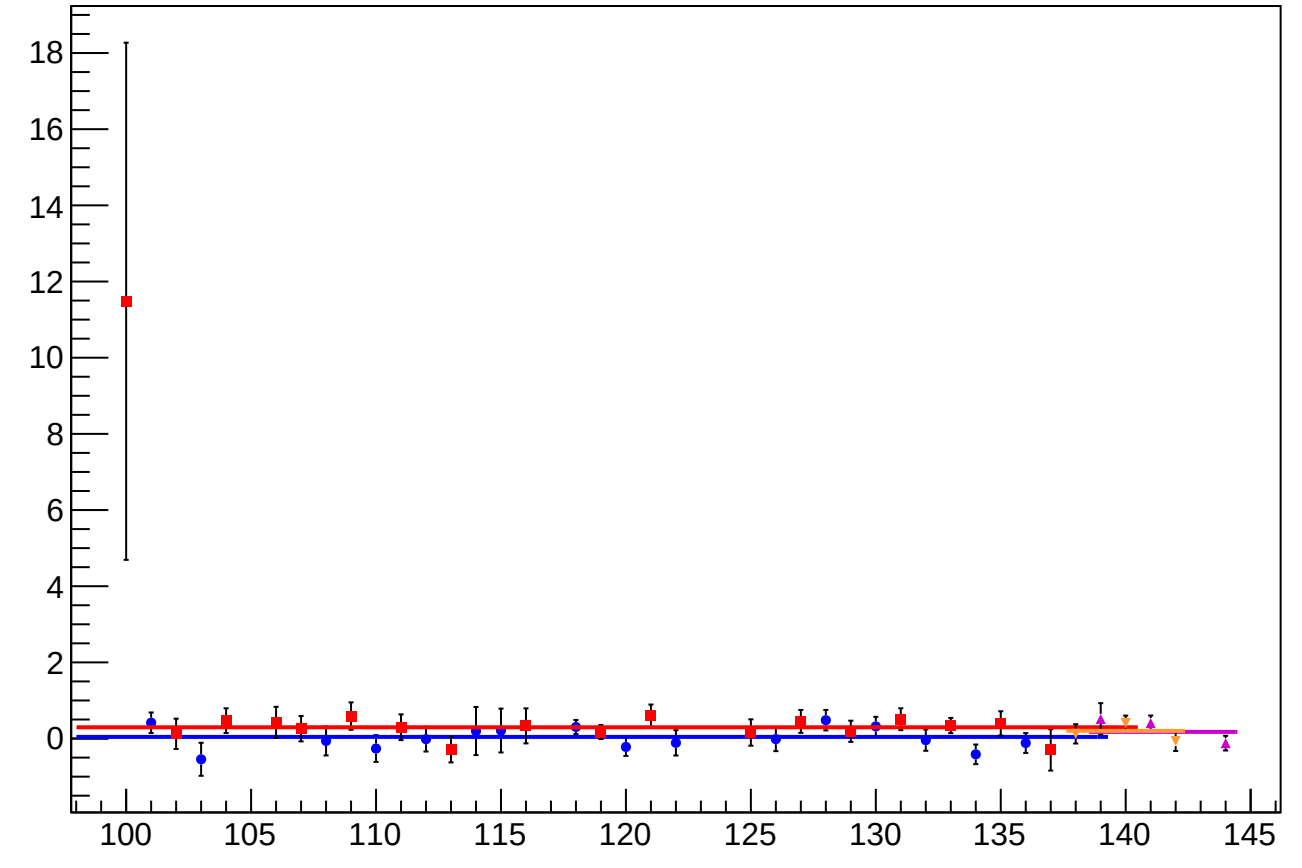
Left: 0.056+/-0.106 χ^2/NDF: 8.0/5

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.065+/-0.064 χ^2/NDF:15.9/18

Out: 0.022+/-0.063 χ^2/NDF:25.8/20

All: -0.021+/-0.045 χ^2/NDF: 42.7/39



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.202+/-0.134 χ^2/NDF:2.2/2

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.175+/-0.131 χ^2/NDF:4.4/2

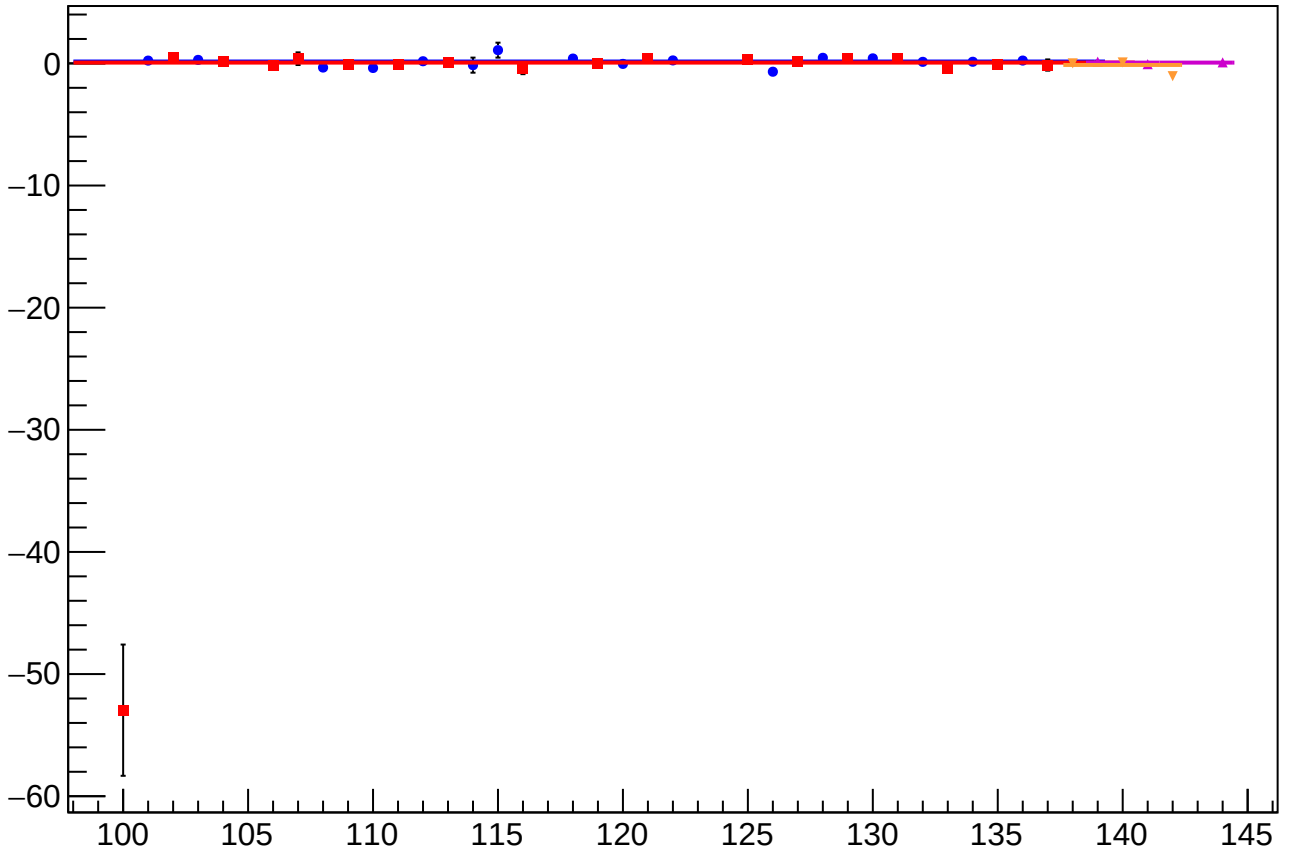
Left: 0.188+/-0.094 χ^2/NDF: 6.6/5

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.075+/-0.064 χ^2/NDF:20.9/18

Out: 0.274+/-0.065 χ^2/NDF:13.6/20

All: 0.173+/-0.045 χ^2/NDF: 39.3/39



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.127+/-0.160 χ^2/NDF:6.1/2

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: 0.064+/-0.150 χ^2/NDF:0.3/2

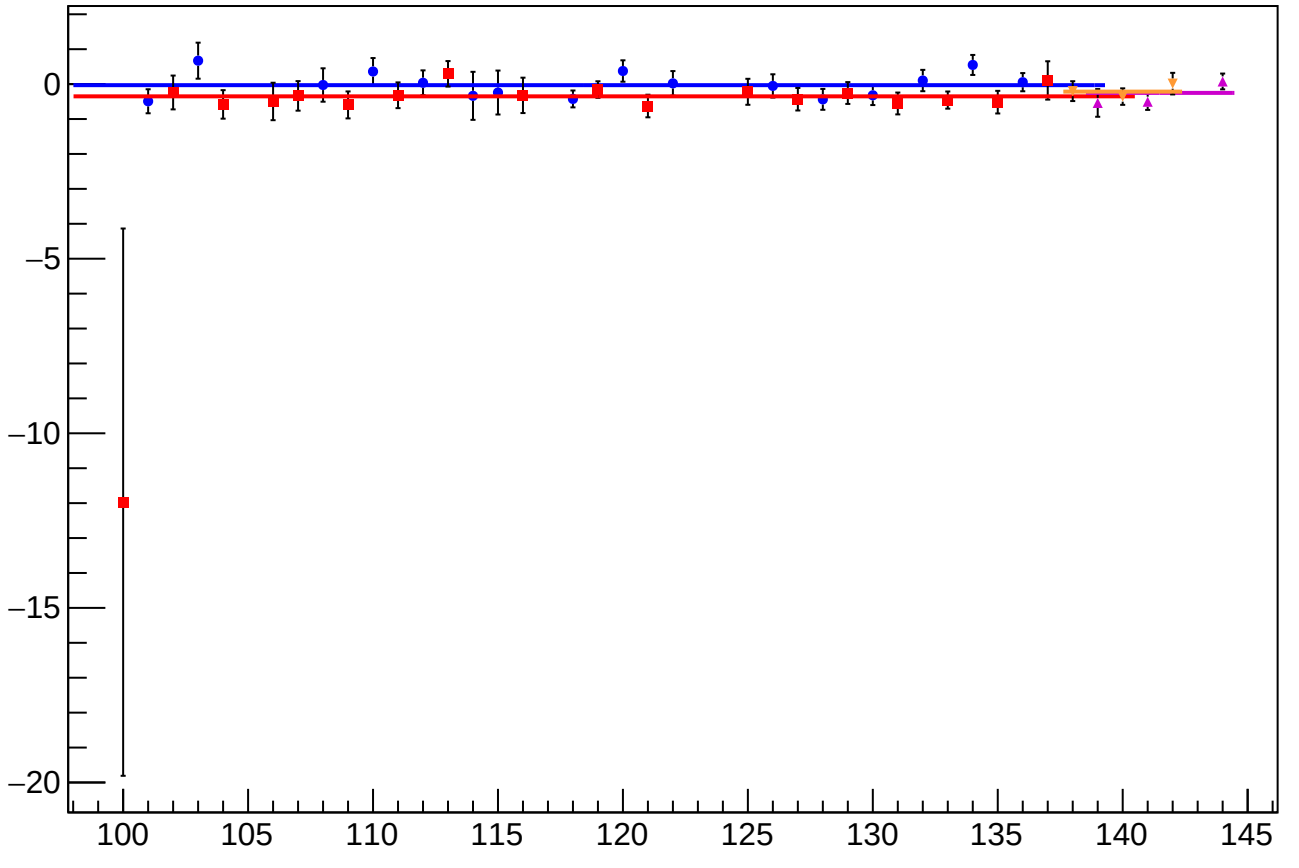
Left: -0.025+/-0.109 χ^2/NDF: 7.2/5

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.134+/-0.070 χ^2/NDF:16.2/18

Out: 0.026+/-0.072 χ^2/NDF:116.6/20

All: 0.081+/-0.050 χ^2/NDF: 133.9/39



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.215+/-0.157 χ^2/NDF:0.9/2

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.252+/-0.151 χ^2/NDF:3.8/2

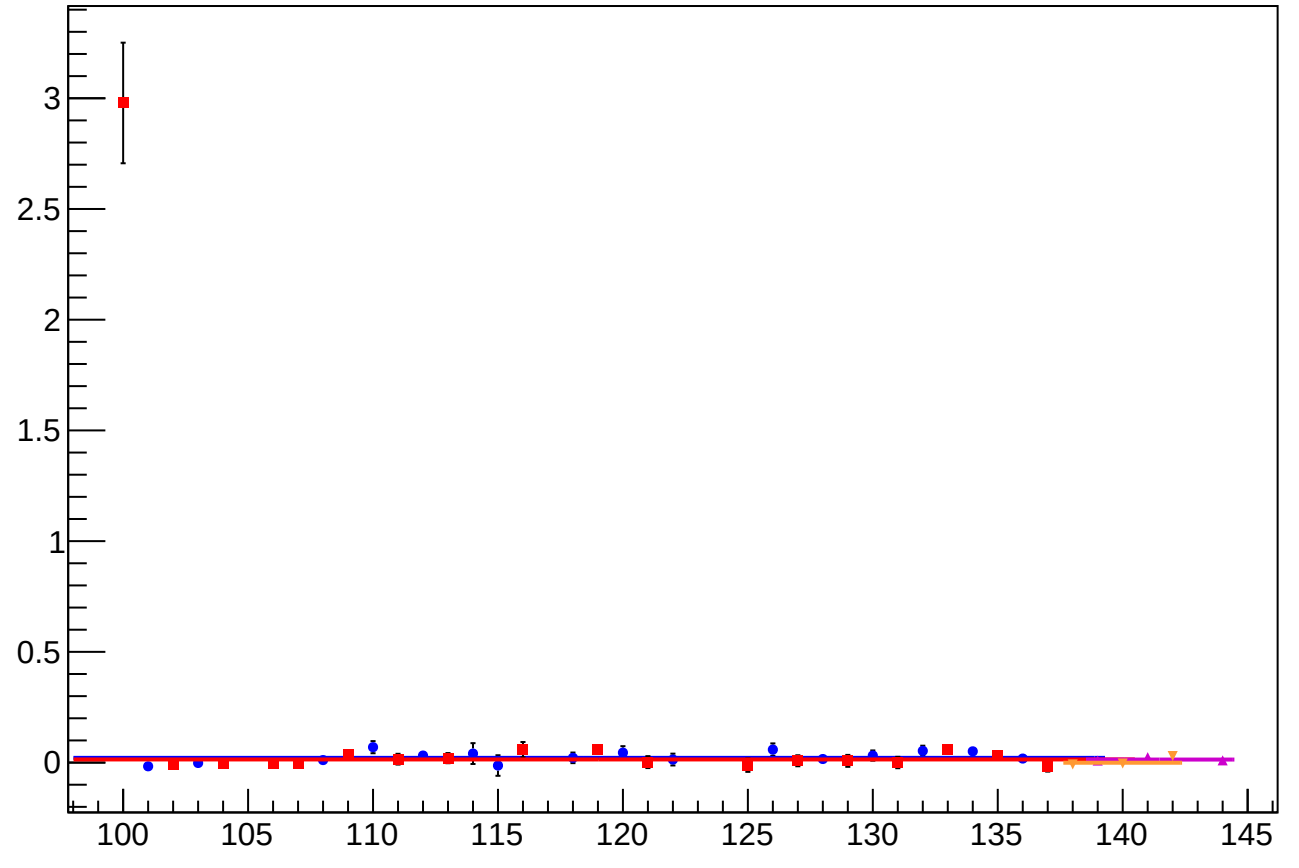
Left: -0.234+/-0.109 χ^2/NDF: 4.7/5

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.083+/-0.073 χ^2/NDF:22.2/18

Out: -0.320+/-0.075 χ^2/NDF:10.9/20

All: -0.199+/-0.052 χ^2/NDF: 38.3/39



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.007 χ^2/NDF:4.0/2

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.014+/-0.006 χ^2/NDF:1.3/2

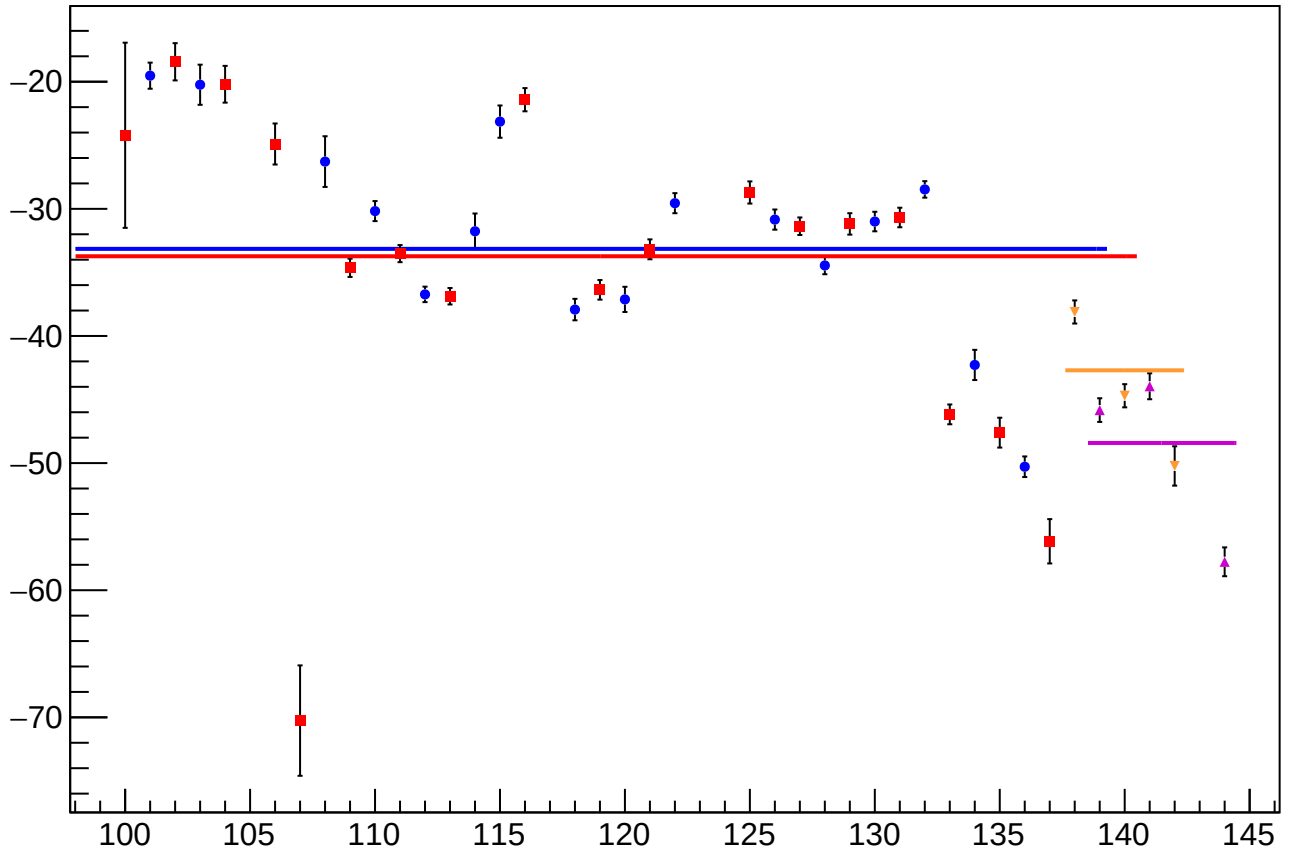
Left: 0.007+/-0.004 χ^2/NDF: 7.9/5

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.018+/-0.004 χ^2/NDF:24.8/18

Out: 0.009+/-0.004 χ^2/NDF:148.2/20

All: 0.014+/-0.003 χ^2/NDF: 175.9/39



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.702+/-0.594 χ^2/NDF:53.9/2

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -48.417+/-0.588 χ^2/NDF:94.8/2

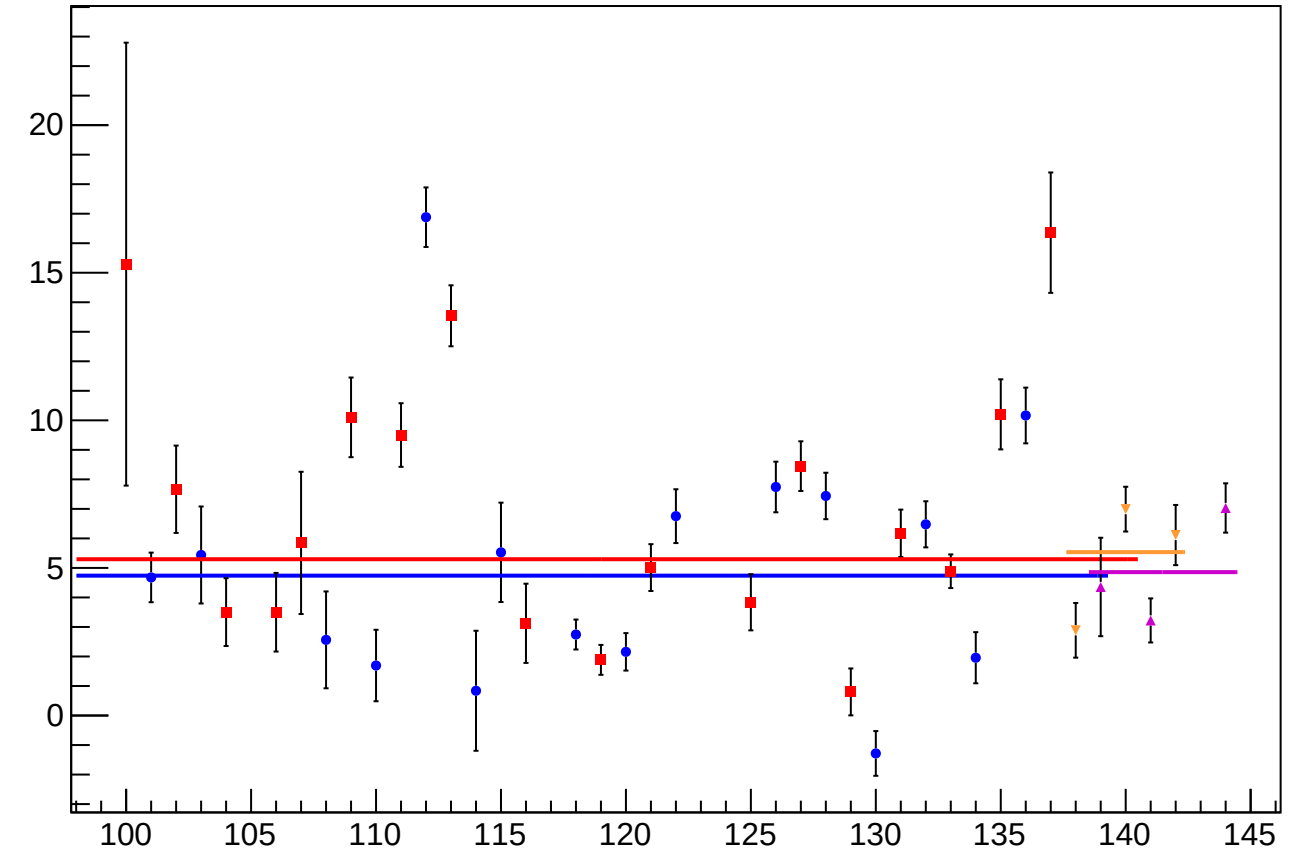
Left: -45.591+/-0.418 χ^2/NDF: 195.4/5

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -34.993+/-0.204 χ^2/NDF:1701.5/18

Out: -34.767+/-0.202 χ^2/NDF:1403.8/20

All: -34.878+/-0.144 χ^2/NDF: 3105.9/39



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 5.535+/-0.508 χ^2/NDF:12.2/2

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 4.858+/-0.528 χ^2/NDF:11.7/2

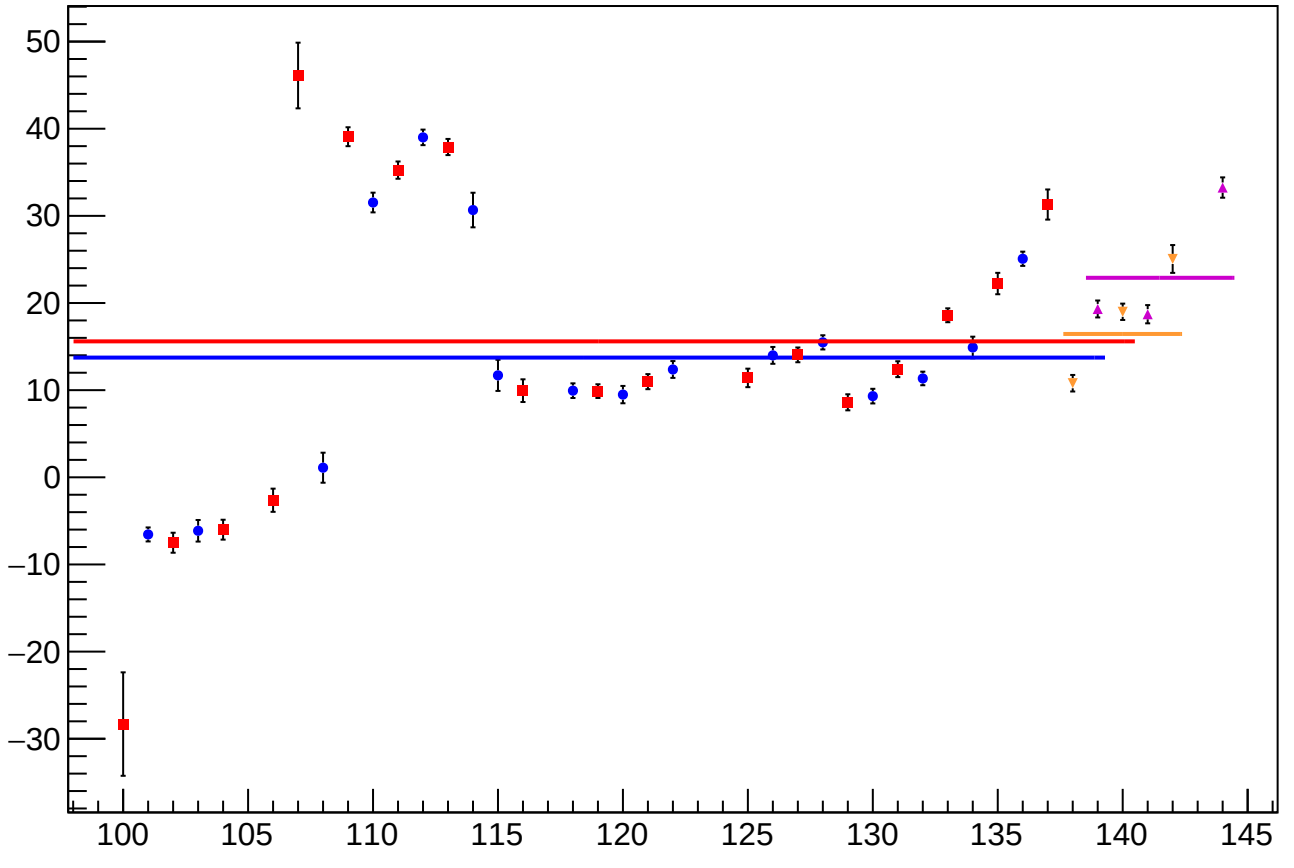
Left: 5.209+/-0.366 χ^2/NDF: 24.7/5

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.756+/-0.202 χ^2/NDF:341.3/18

Out: 5.334+/-0.204 χ^2/NDF:257.4/20

All: 5.042+/-0.144 χ^2/NDF: 602.7/39



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 16.449+/-0.615 χ^2/NDF:71.9/2

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 22.893+/-0.608 χ^2/NDF:108.2/2

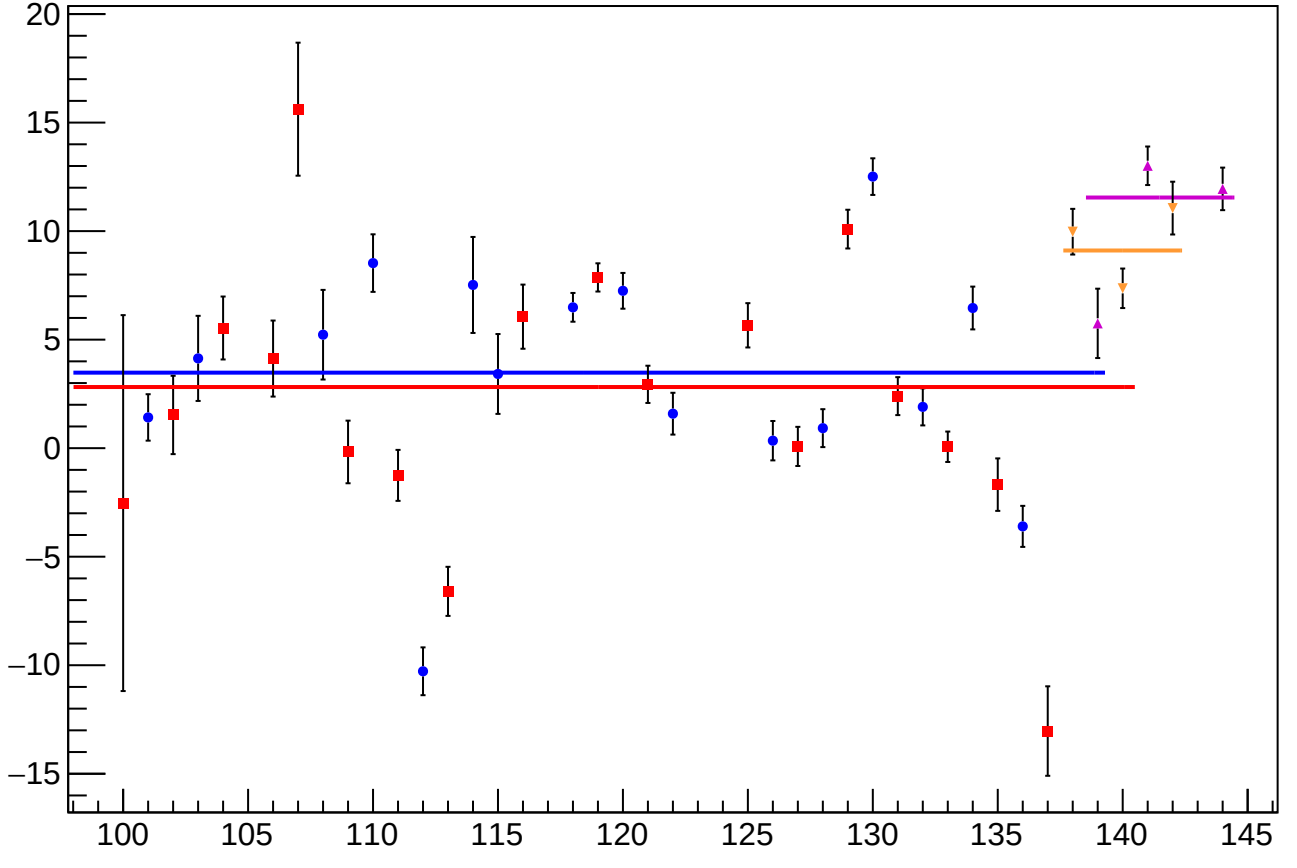
Left: 19.711+/-0.432 χ^2/NDF: 235.6/5

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 15.033+/-0.229 χ^2/NDF:2652.9/18

Out: 15.719+/-0.232 χ^2/NDF:2899.8/20

All: 15.372+/-0.163 χ^2/NDF: 5557.1/39



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.107+/-0.599 χ^2/NDF:6.9/2

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 11.548+/-0.608 χ^2/NDF:16.0/2

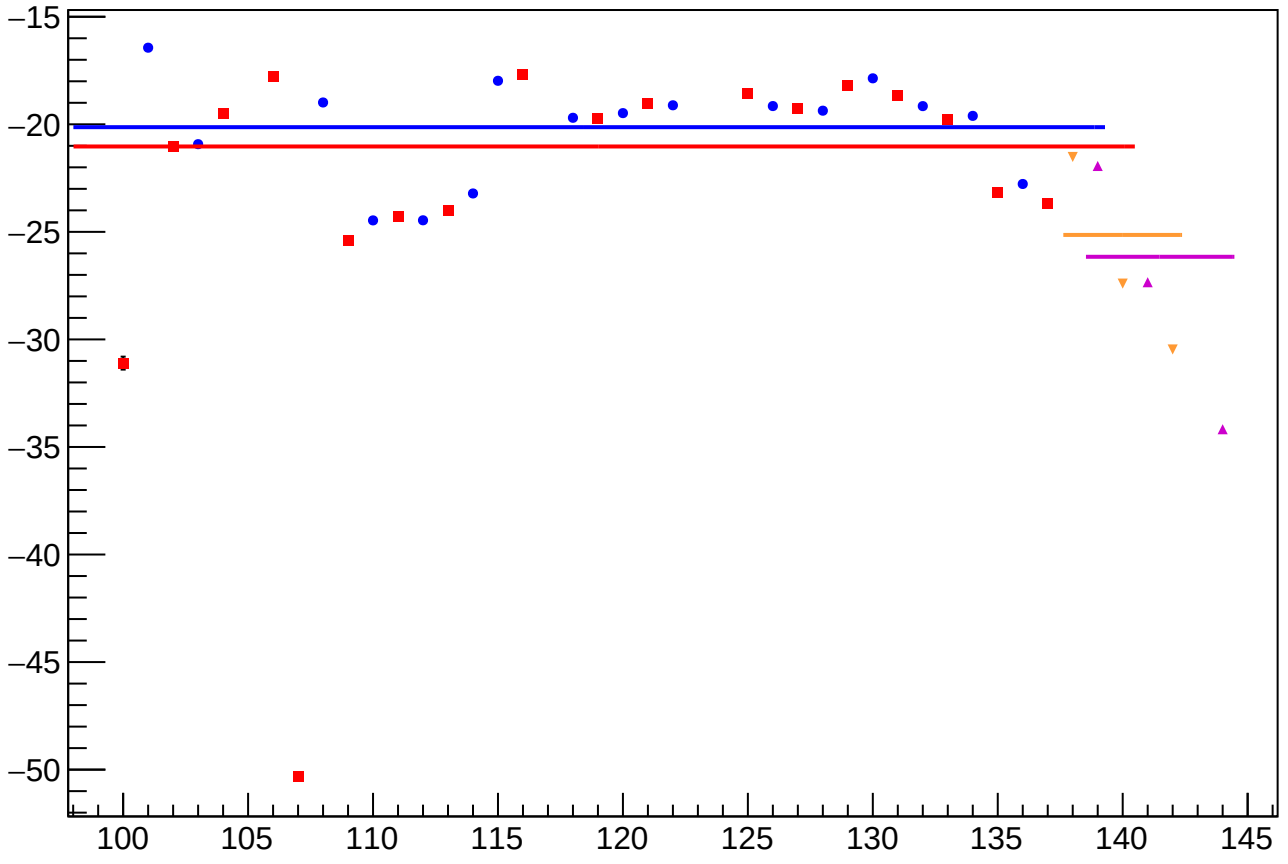
Left: 10.309+/-0.427 χ^2/NDF: 31.1/5

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 4.674+/-0.234 χ^2/NDF:593.5/18

Out: 3.796+/-0.236 χ^2/NDF:445.3/20

All: 4.239+/-0.166 χ^2/NDF: 1045.8/39



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -25.142+/-0.026 χ^2/NDF:18794.7/2

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -26.159+/-0.024 χ^2/NDF:39169.8/2

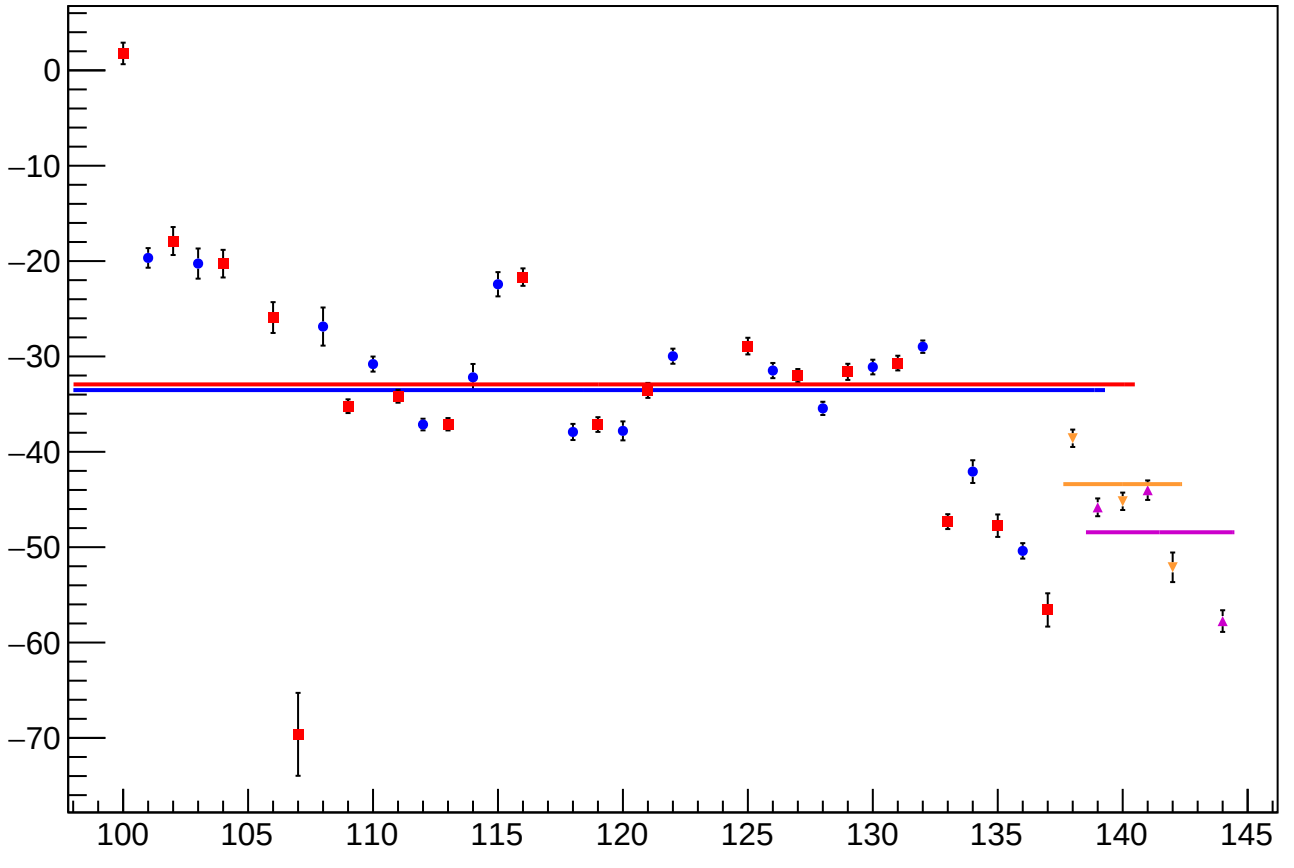
Left: -25.688+/-0.018 χ^2/NDF: 58801.7/5

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -22.001+/-0.013 χ^2/NDF:102884.0/18

Out: -22.224+/-0.014 χ^2/NDF:94439.4/20

All: -22.108+/-0.010 χ^2/NDF: 197457.4/39



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -43.388+/-0.595 χ^2/NDF:63.4/2

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -48.436+/-0.589 χ^2/NDF:93.7/2

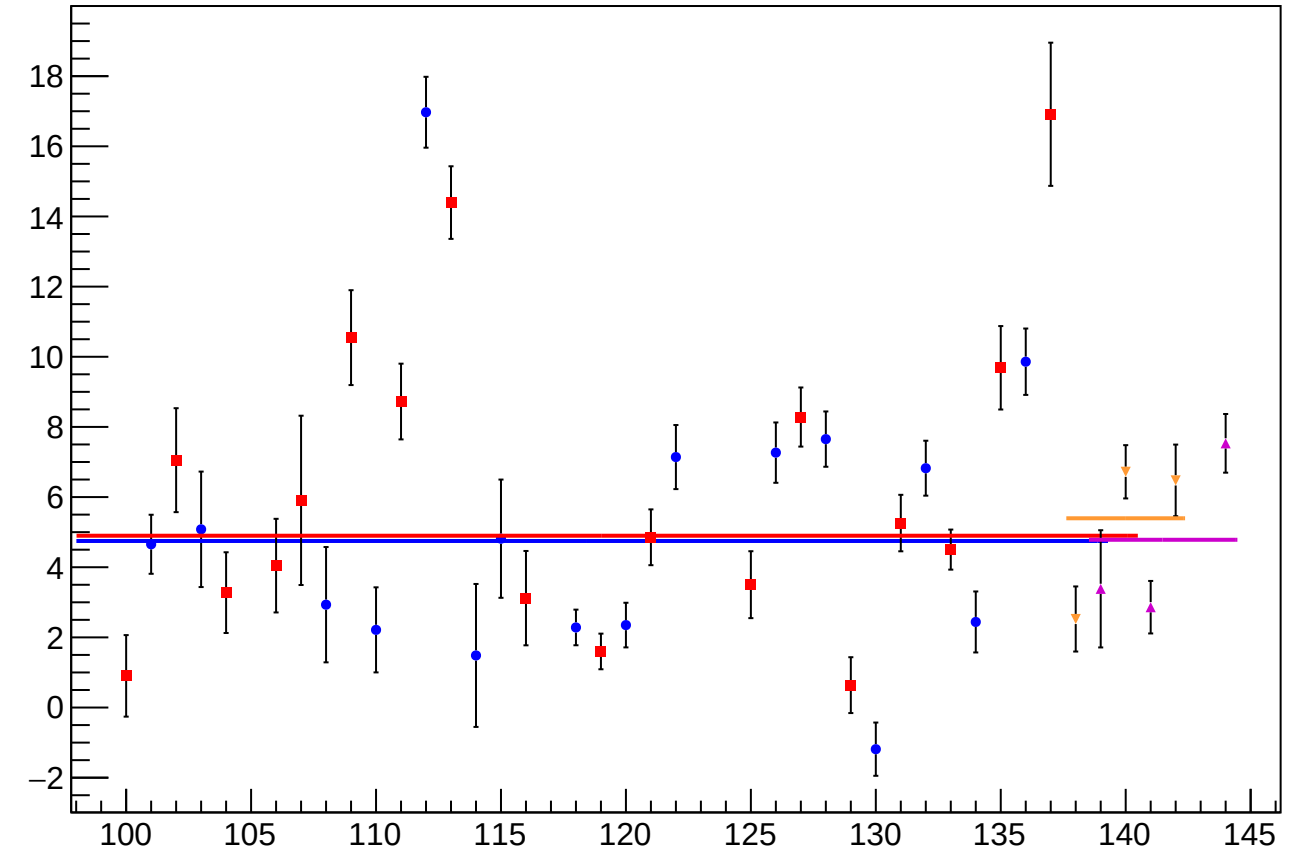
Left: -45.938+/-0.419 χ^2/NDF: 193.4/5

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -35.329+/-0.205 χ^2/NDF:1665.1/18

Out: -34.103+/-0.199 χ^2/NDF:2507.2/20

All: -34.700+/-0.143 χ^2/NDF: 4190.7/39



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 5.395+/-0.509 χ^2/NDF:13.7/2

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 4.783+/-0.529 χ^2/NDF:18.1/2

Left: 5.101+/-0.367 χ^2/NDF: 32.5/5

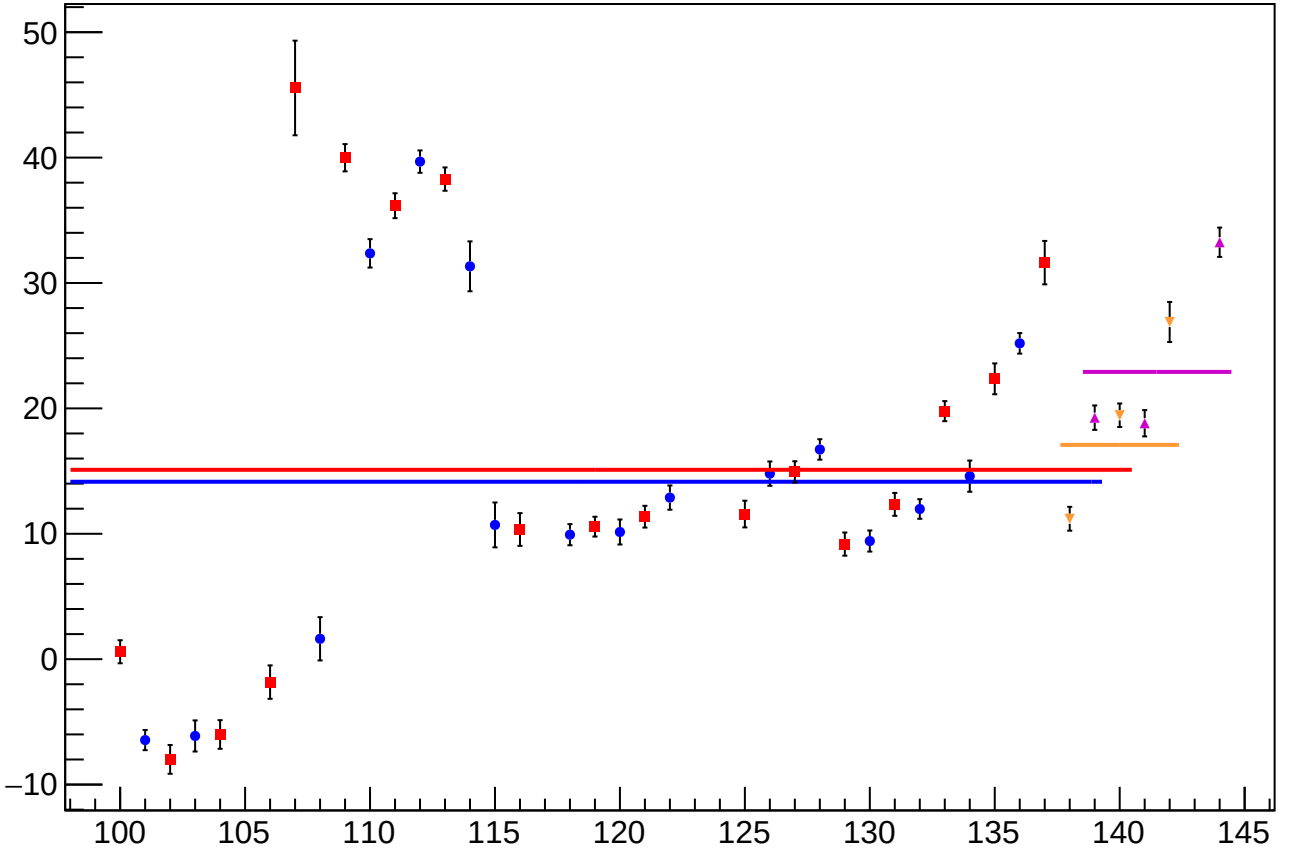
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.753+/-0.203 χ^2/NDF:343.8/18

Out: 4.976+/-0.202 χ^2/NDF:287.6/20

All: 4.865+/-0.143 χ^2/NDF: 632.0/39

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: 17.089+/-0.616 χ^2/NDF:82.3/2

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 22.910+/-0.609 χ^2/NDF:107.5/2

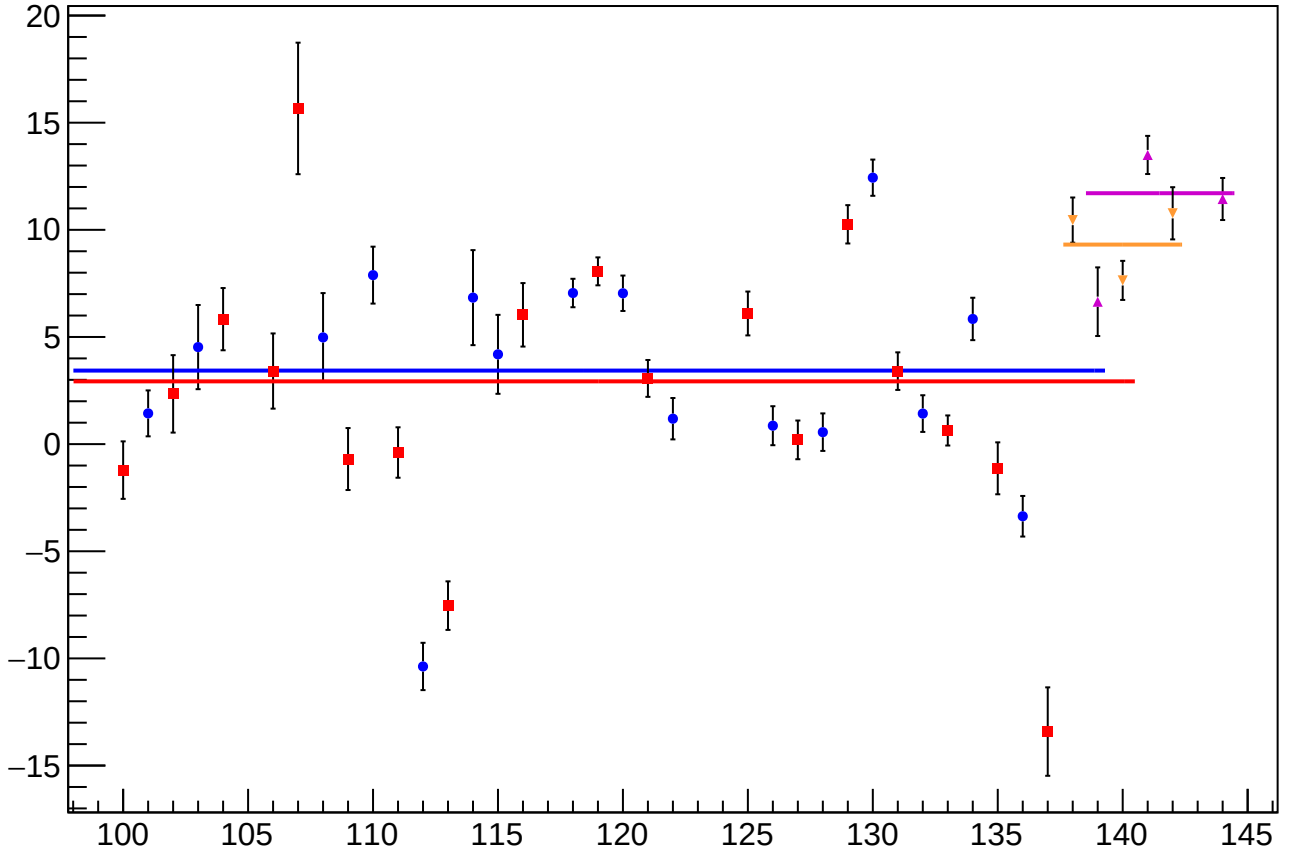
Left: 20.034+/-0.433 χ^2/NDF: 234.9/5

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 15.388+/-0.229 χ^2/NDF:2687.5/18

Out: 15.368+/-0.225 χ^2/NDF:3193.5/20

All: 15.378+/-0.161 χ^2/NDF: 5881.0/39



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.312+/-0.600 χ^2/NDF:6.0/2

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 11.709+/-0.610 χ^2/NDF:14.1/2

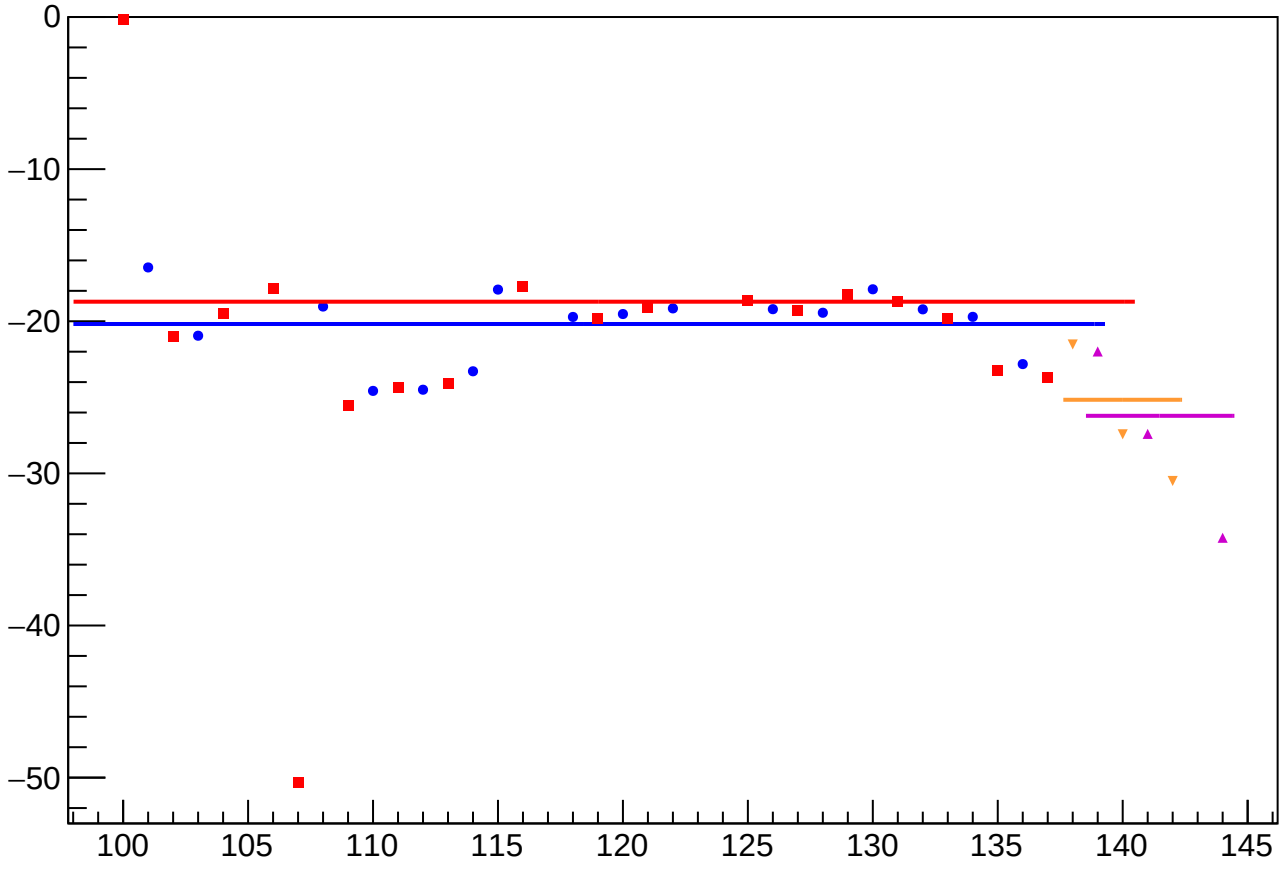
Left: 10.492+/-0.428 χ^2/NDF: 27.9/5

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 4.658+/-0.235 χ^2/NDF:595.1/18

Out: 3.894+/-0.233 χ^2/NDF:469.7/20

All: 4.274+/-0.165 χ^2/NDF: 1070.2/39



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -25.161+/-0.026 χ^2/NDF:18836.4/2

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -26.215+/-0.024 χ^2/NDF:39094.3/2

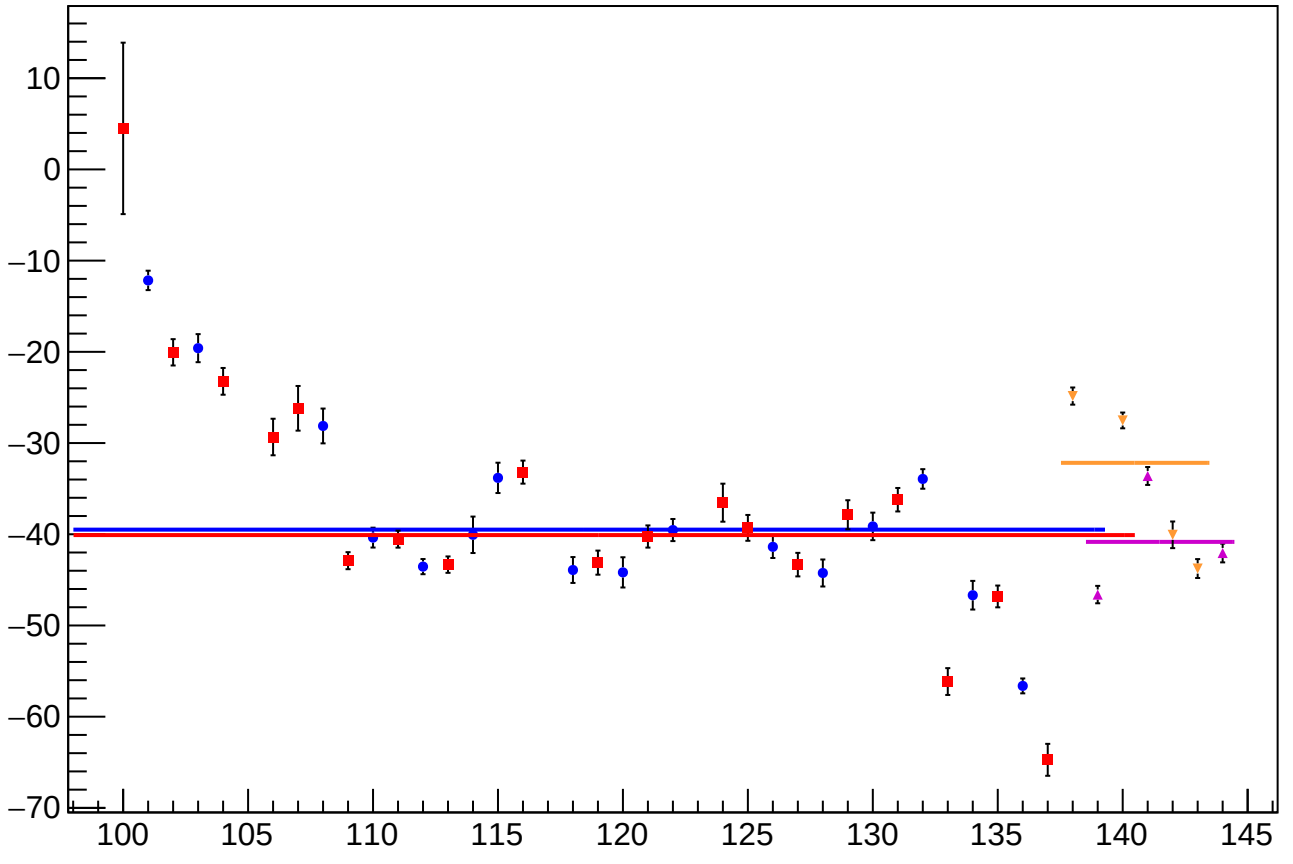
Left: -25.727+/-0.018 χ^2/NDF: 58828.4/5

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -22.051+/-0.013 χ^2/NDF:102781.7/18

Out: -20.436+/-0.013 χ^2/NDF:299336.7/20

All: -21.243+/-0.009 χ^2/NDF: 409459.2/39



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.169+/-0.508 χ^2/NDF:243.8/3

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.835+/-0.570 χ^2/NDF:92.1/2

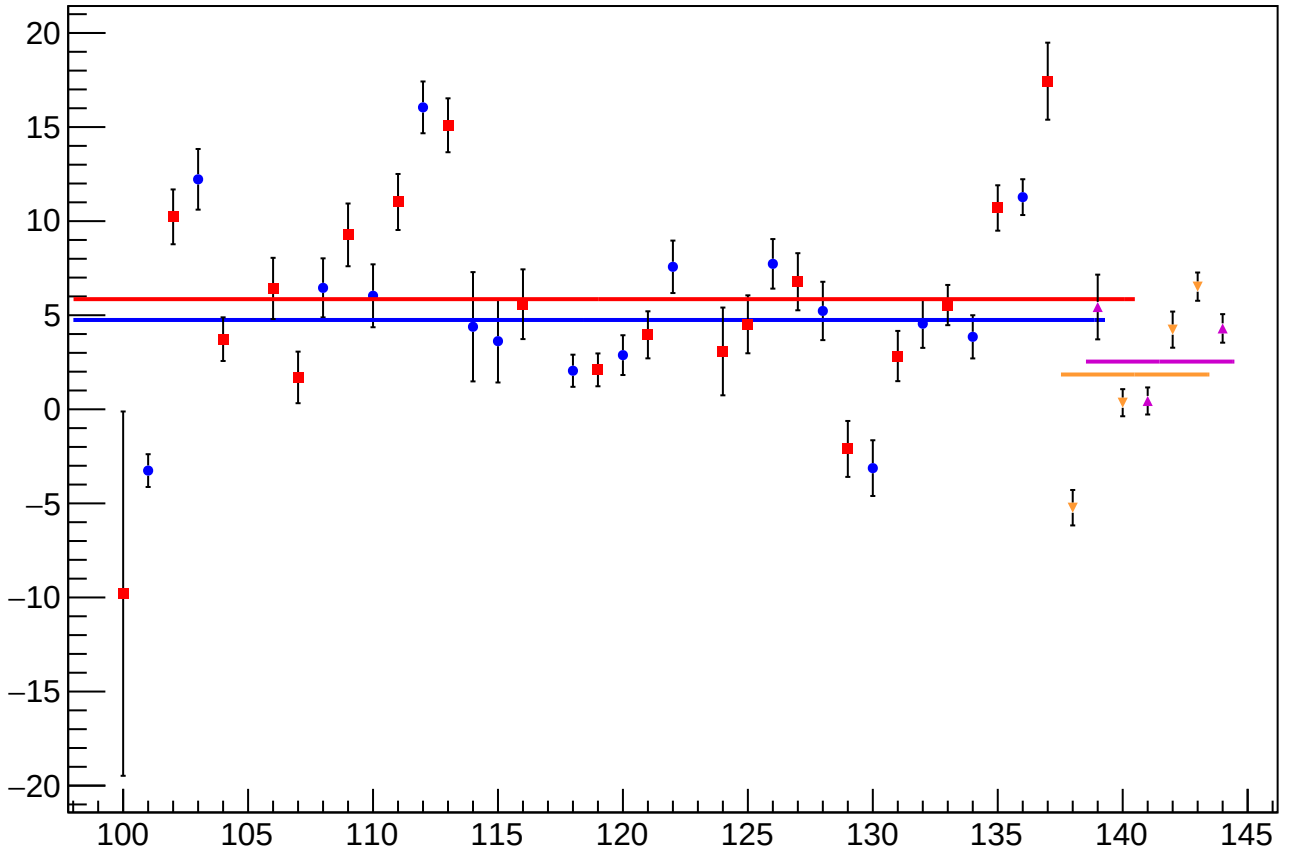
Left: -36.009+/-0.379 χ^2/NDF: 464.6/6

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.800+/-0.273 χ^2/NDF:1513.4/18

Out: -37.973+/-0.263 χ^2/NDF:1256.5/22

All: -38.853+/-0.189 χ^2/NDF: 2793.2/41



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.850+/-0.411 χ^2/NDF:105.7/3

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 2.536+/-0.499 χ^2/NDF:16.7/2

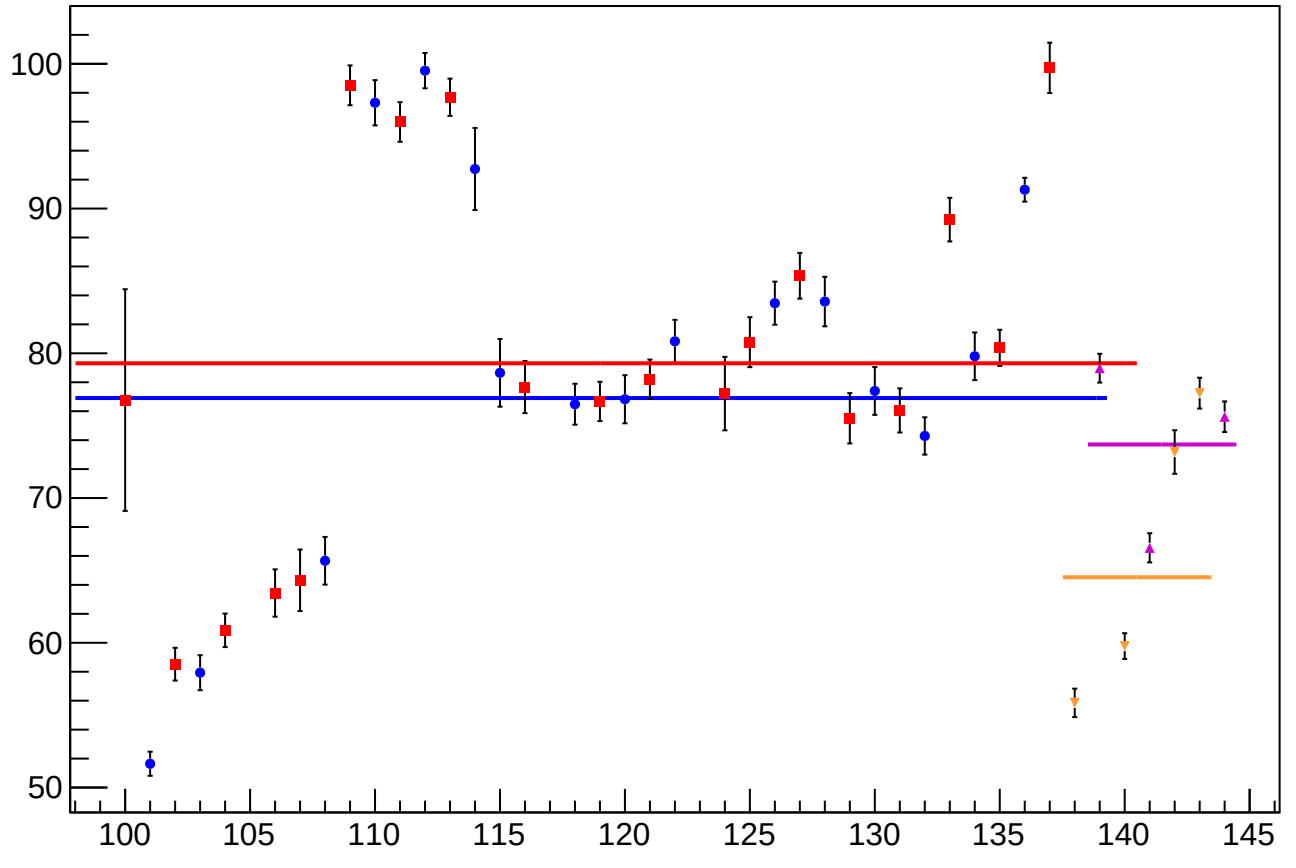
Left: 2.127+/-0.317 χ^2/NDF: 123.5/6

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.115+/-0.267 χ^2/NDF:304.5/18

Out: 4.321+/-0.254 χ^2/NDF:351.8/22

All: 4.223+/-0.184 χ^2/NDF: 656.7/41



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.526+/-0.525 χ^2/NDF:282.3/3

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 73.699+/-0.589 χ^2/NDF:81.5/2

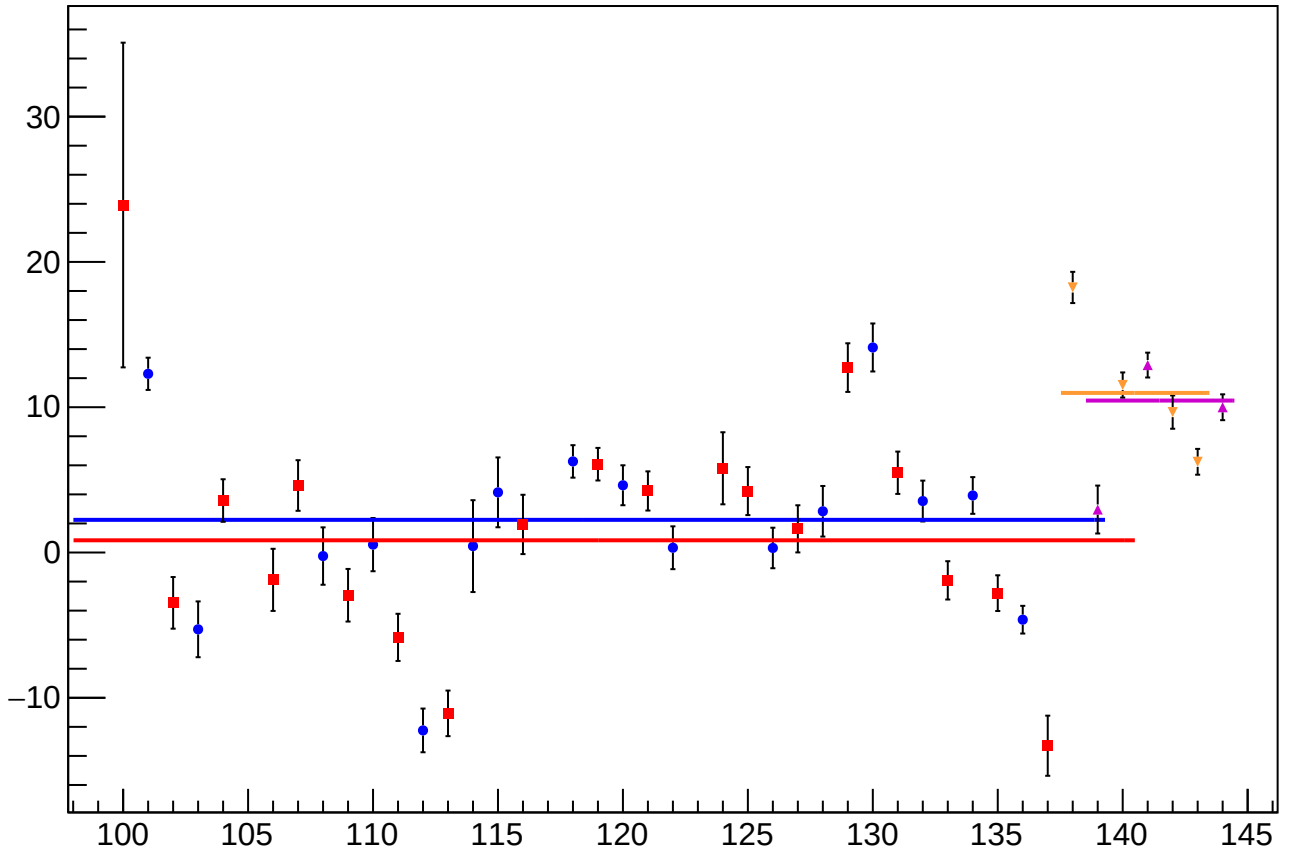
Left: 68.592+/-0.392 χ^2/NDF: 499.0/6

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 76.117+/-0.292 χ^2/NDF:2219.9/18

Out: 74.803+/-0.290 χ^2/NDF:2329.4/22

All: 75.455+/-0.206 χ^2/NDF: 4559.5/41



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 10.984+/-0.486 χ^2/NDF:75.8/3

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 10.458+/-0.577 χ^2/NDF:29.1/2

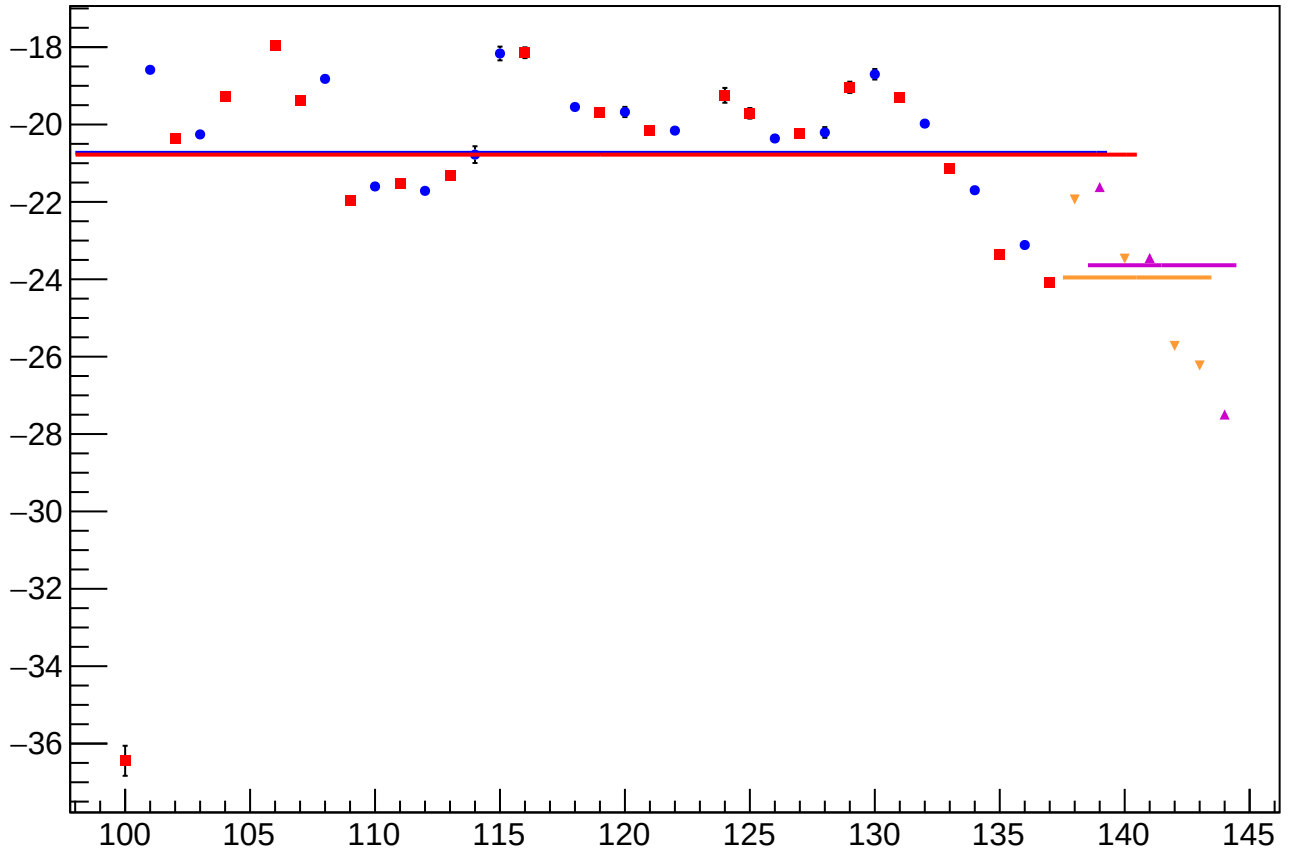
Left: 10.766+/-0.372 χ^2/NDF: 105.4/6

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.574+/-0.307 χ^2/NDF:493.6/18

Out: 4.587+/-0.295 χ^2/NDF:606.6/22

All: 4.581+/-0.213 χ^2/NDF: 1100.2/41



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -23.953+/-0.022 χ^2/NDF:6246.4/3

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -23.637+/-0.023 χ^2/NDF:9877.5/2

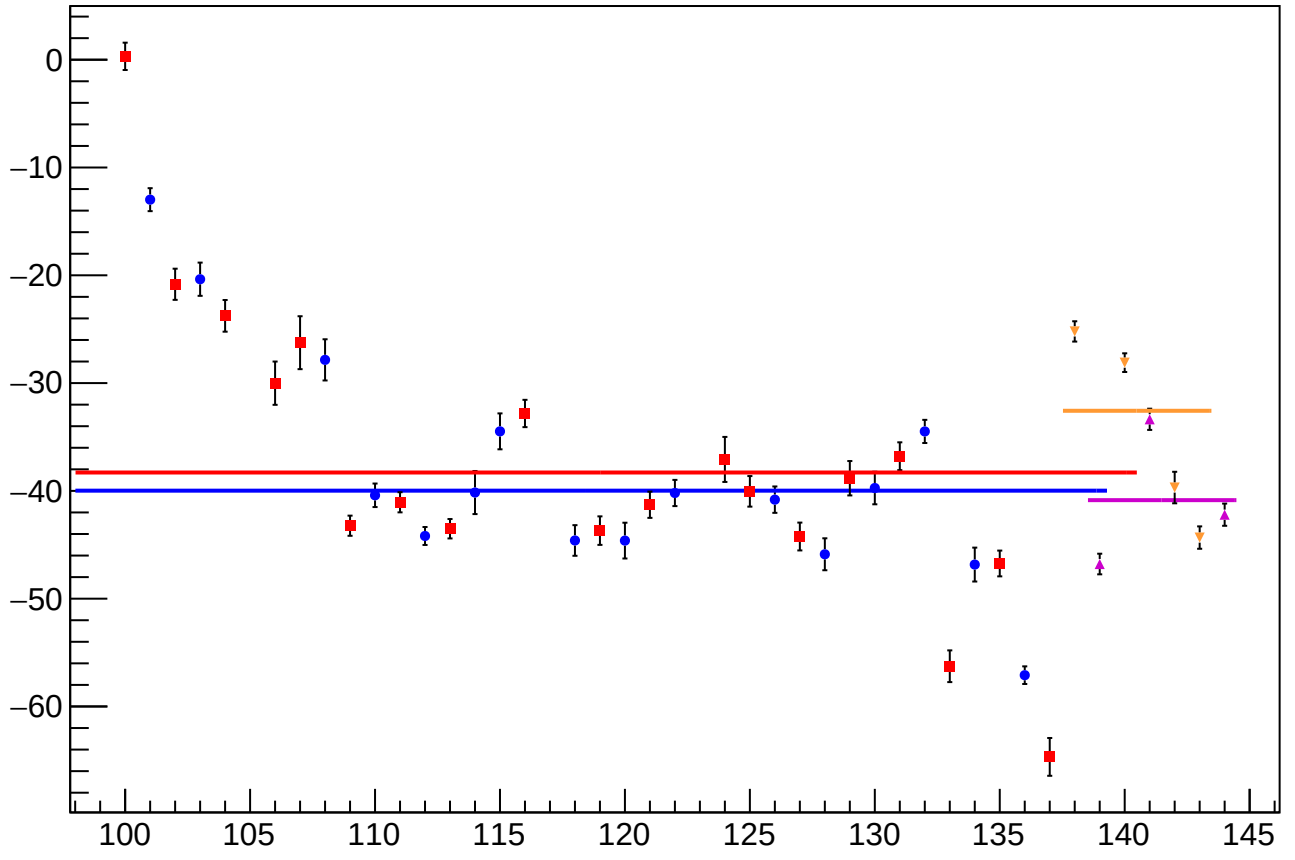
Left: -23.805+/-0.016 χ^2/NDF: 16220.3/6

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.917+/-0.015 χ^2/NDF:26632.8/18

Out: -22.227+/-0.015 χ^2/NDF:26955.9/22

All: -22.073+/-0.011 χ^2/NDF: 53804.8/41



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.569+/-0.509 χ^2/NDF:239.6/3

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -40.860+/-0.571 χ^2/NDF:98.1/2

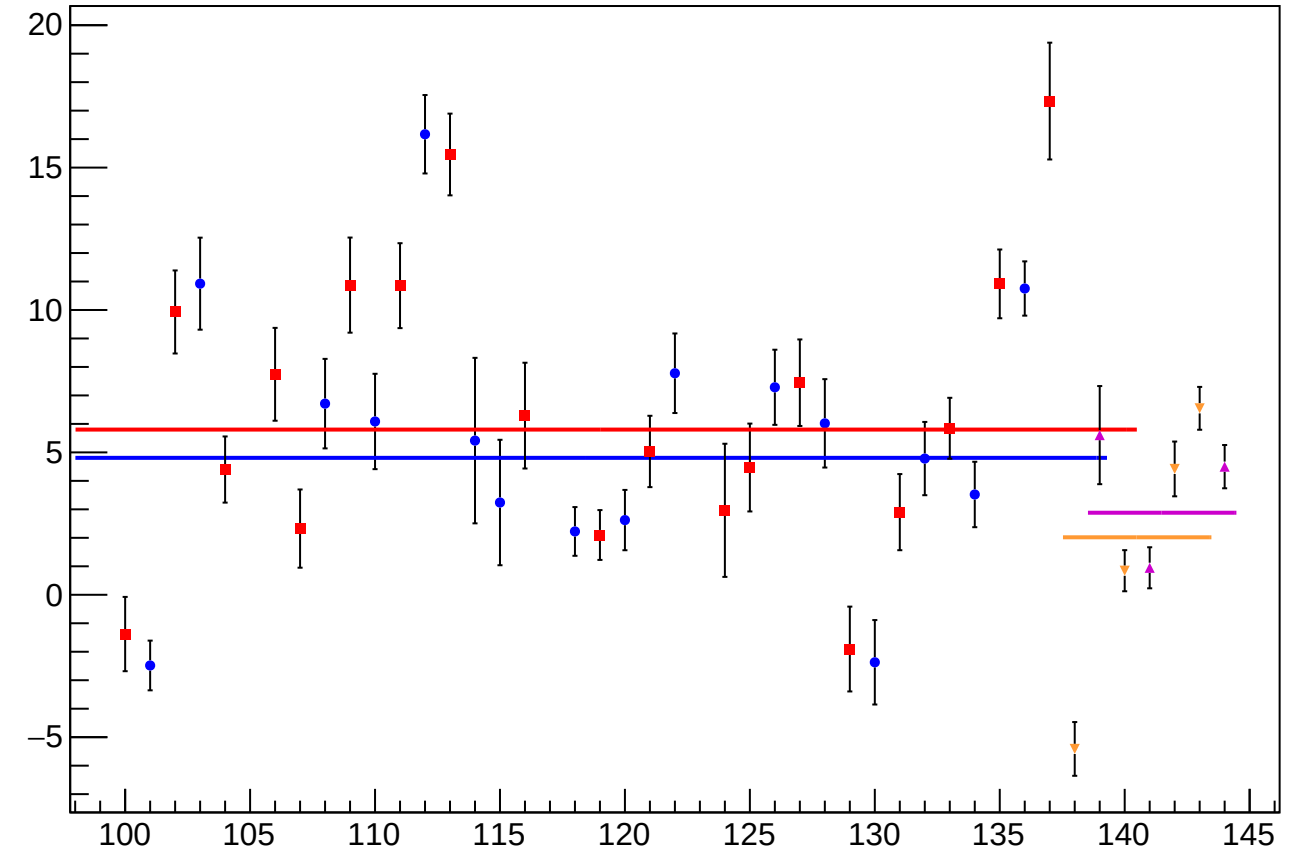
Left: -36.243+/-0.380 χ^2/NDF: 455.1/6

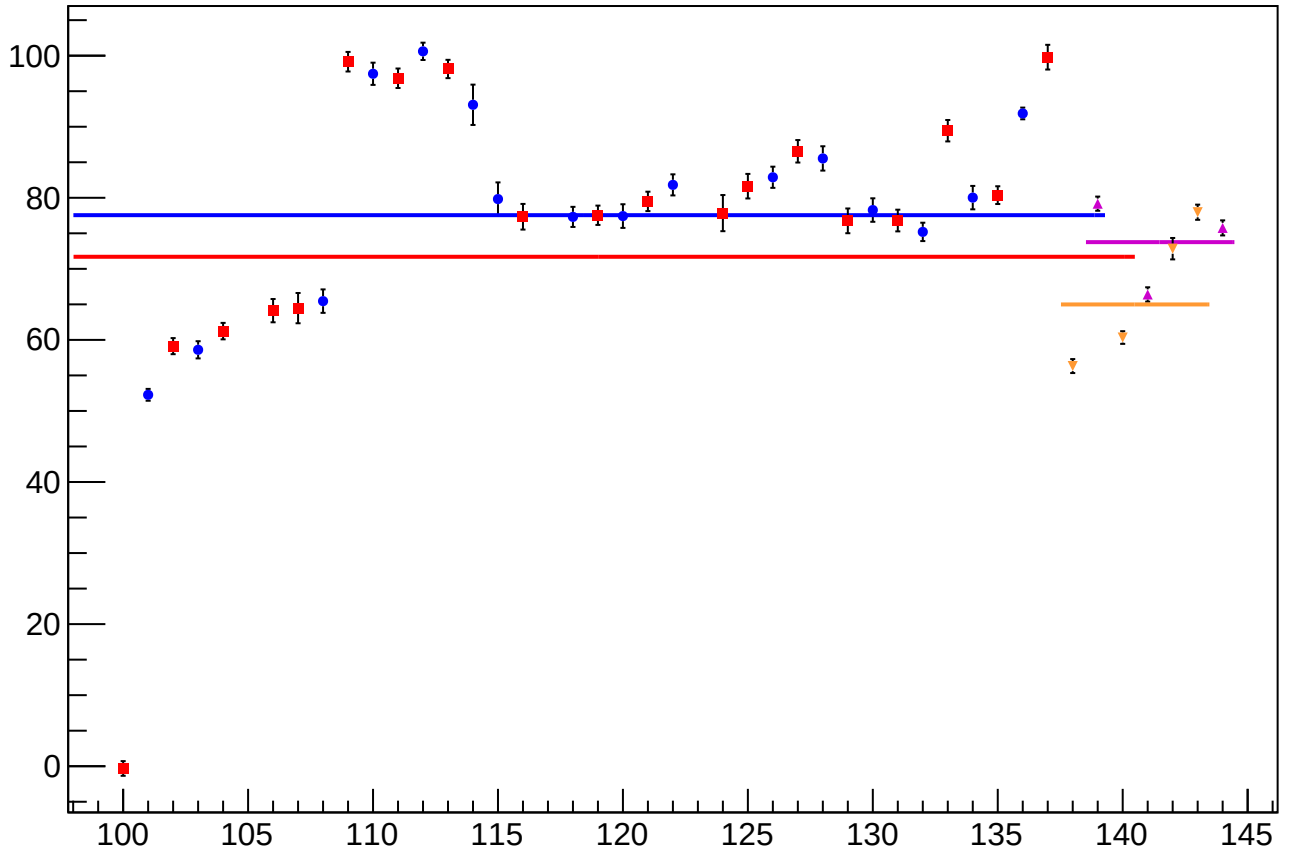
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -40.181+/-0.273 χ^2/NDF:1498.4/18

Out: -36.827+/-0.258 χ^2/NDF:2107.3/22

All: -38.408+/-0.188 χ^2/NDF: 3685.4/41


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
105
110
115
120
125
130
135
140
145
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 2.018+/-0.412 χ²/NDF:107.1/3
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 2.881+/-0.500 χ²/NDF:14.2/2
Left: 2.367+/-0.318 χ²/NDF: 123.1/6
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.258+/-0.267 χ²/NDF:265.3/18
Out: 4.406+/-0.250 χ²/NDF:376.7/22
All: 4.337+/-0.183 χ²/NDF: 642.2/41



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.989+/-0.526 χ^2/NDF:279.9/3

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 73.758+/-0.590 χ^2/NDF:86.2/2

Left: 68.876+/-0.393 χ^2/NDF: 489.2/6

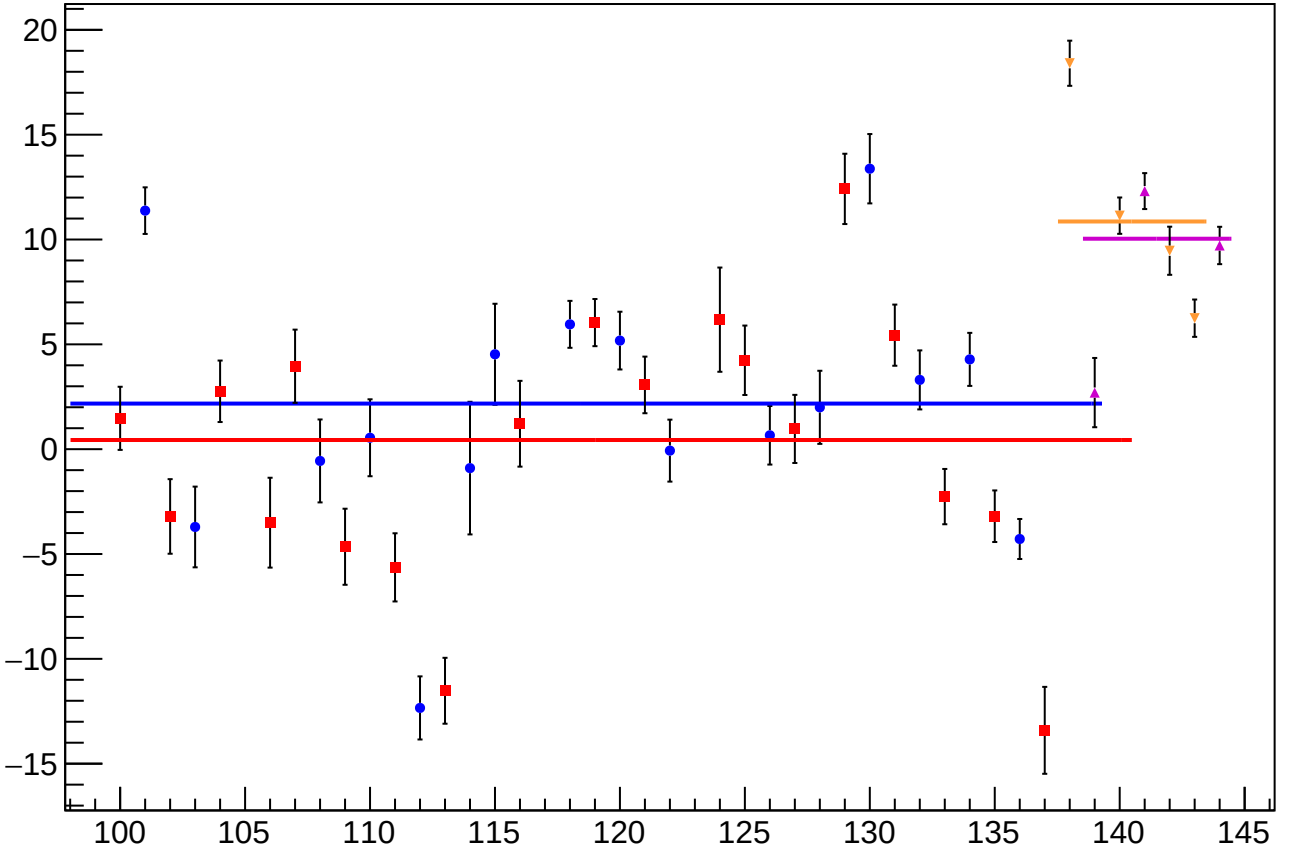
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 76.618+/-0.293 χ^2/NDF:2235.7/18

Out: 69.801+/-0.280 χ^2/NDF:7300.0/22

All: 73.055+/-0.202 χ^2/NDF: 9818.9/41

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 10.860+/-0.487 χ^2/NDF:77.6/3

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 10.038+/-0.578 χ^2/NDF:26.9/2

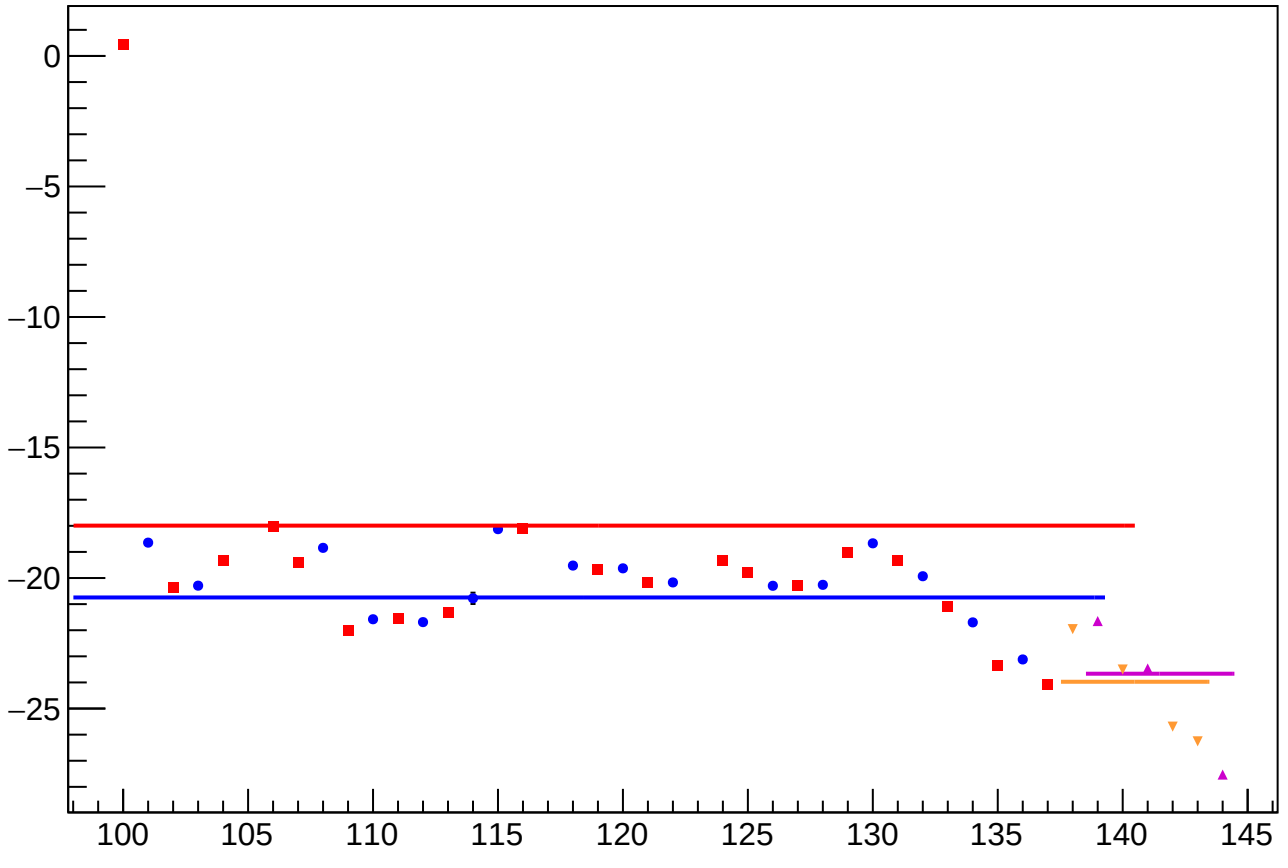
Left: 10.519+/-0.373 χ^2/NDF: 105.6/6

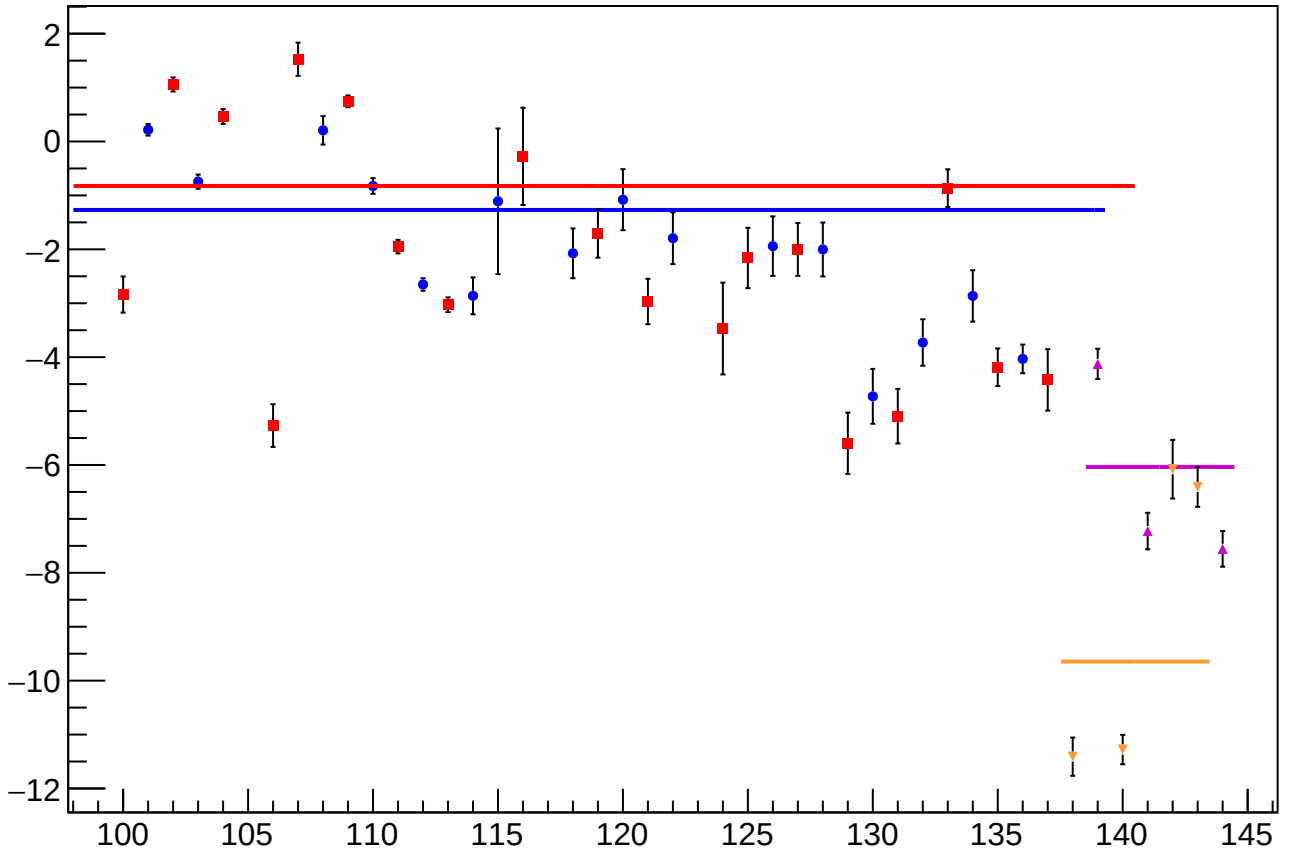
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.402+/-0.308 χ^2/NDF:449.6/18

Out: 4.146+/-0.291 χ^2/NDF:626.7/22

All: 4.266+/-0.211 χ^2/NDF: 1076.7/41


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
105
110
115
120
125
130
135
140
145
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -23.974+/-0.022 χ²/NDF:6184.0/3
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -23.666+/-0.023 χ²/NDF:9852.6/2
Left: -23.829+/-0.016 χ²/NDF: 16128.4/6
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -21.935+/-0.015 χ²/NDF:26557.3/18
Out: -20.519+/-0.014 χ²/NDF:199155.0/22
All: -21.197+/-0.010 χ²/NDF: 230376.4/41



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.645+/-0.176 χ^2/NDF:181.1/3

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -6.036+/-0.181 χ^2/NDF:79.9/2

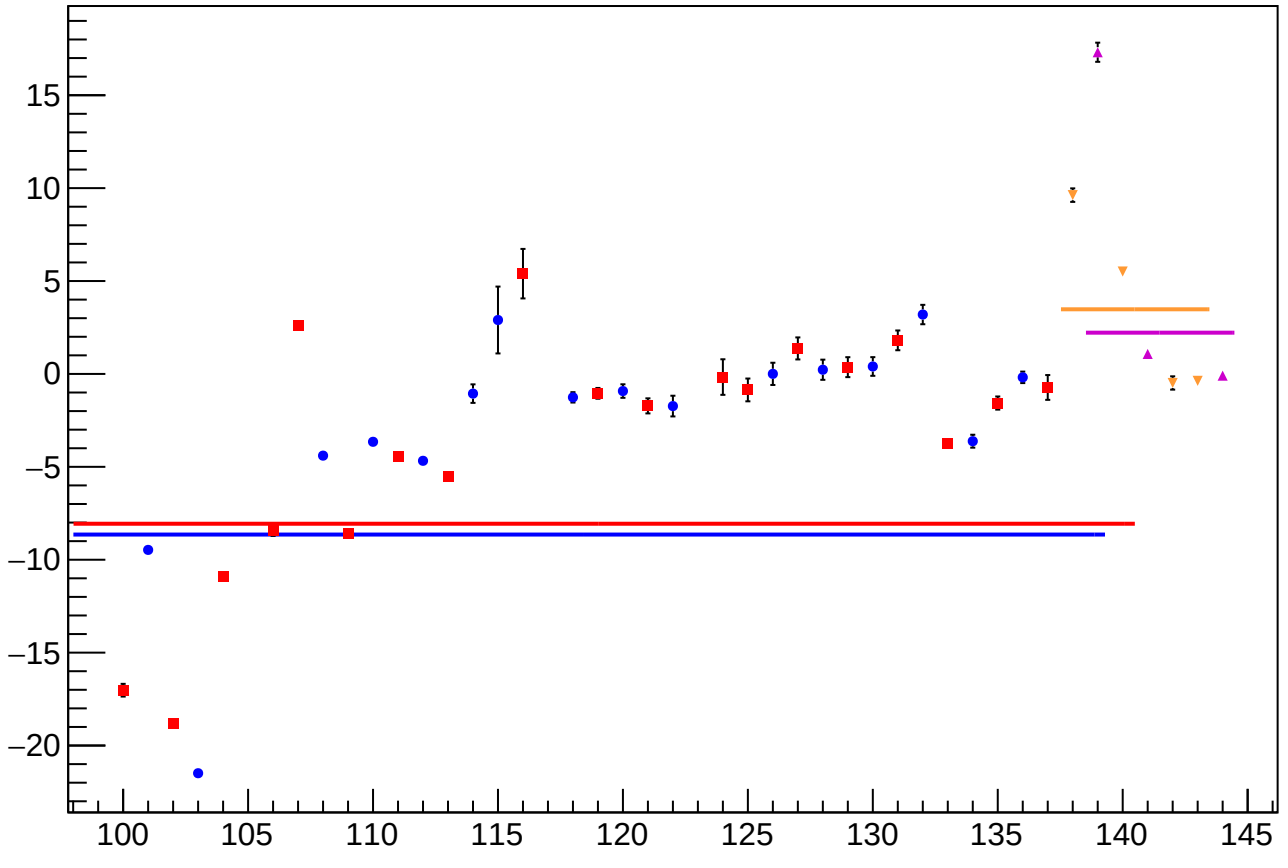
Left: -7.887+/-0.126 χ^2/NDF: 465.2/6

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.667+/-0.052 χ^2/NDF:1333.1/18

Out: -1.507+/-0.049 χ^2/NDF:3874.9/22

All: -1.582+/-0.036 χ^2/NDF: 5212.9/41



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 3.479+/-0.144 χ^2/NDF:694.5/3

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 2.221+/-0.165 χ^2/NDF:968.0/2

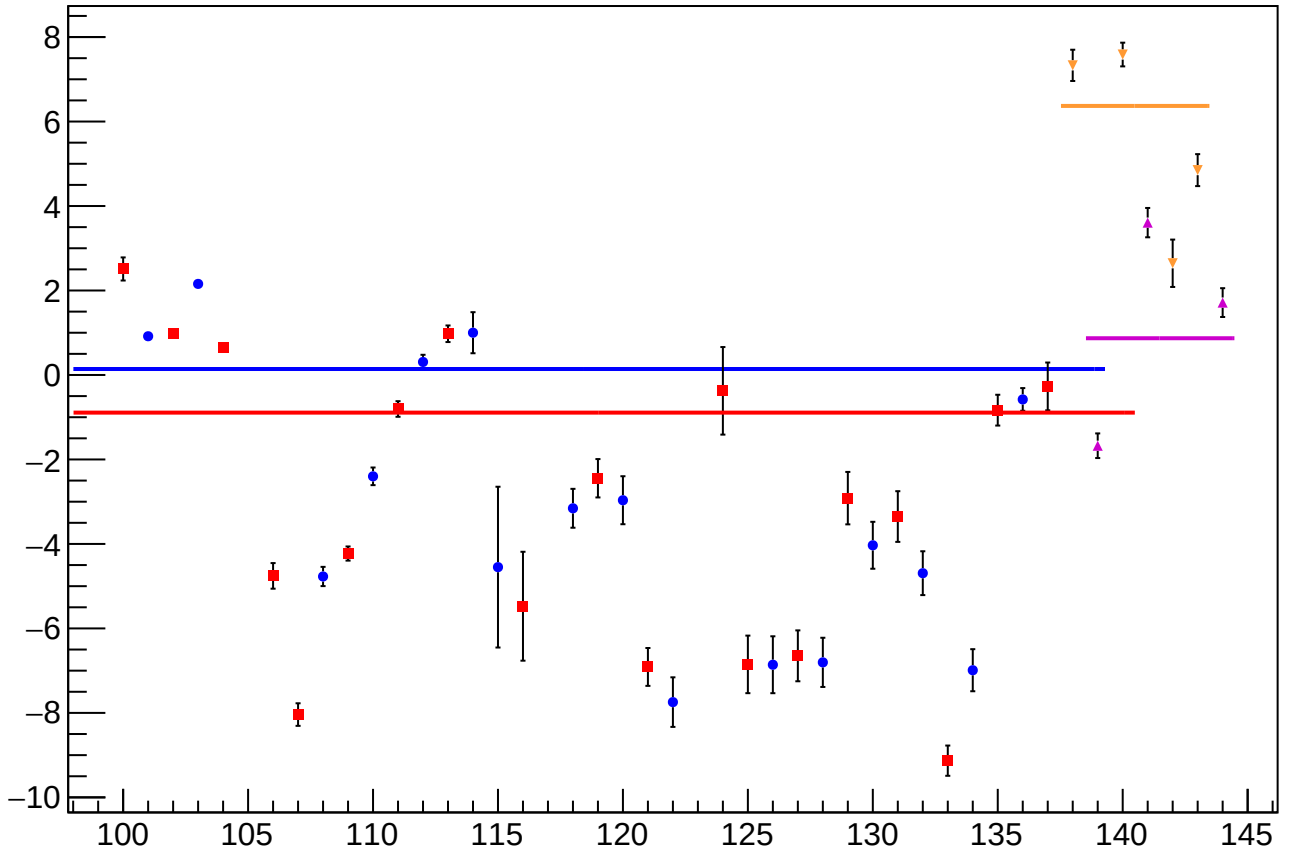
Left: 2.937+/-0.109 χ^2/NDF: 1695.5/6

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -7.494+/-0.054 χ^2/NDF:18652.2/18

Out: -6.470+/-0.053 χ^2/NDF:20680.8/22

All: -6.978+/-0.038 χ^2/NDF: 39515.3/41



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 6.370+/-0.182 χ^2/NDF:85.8/3

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.870+/-0.187 χ^2/NDF:144.4/2

Left: 3.691+/-0.130 χ^2/NDF: 674.8/6

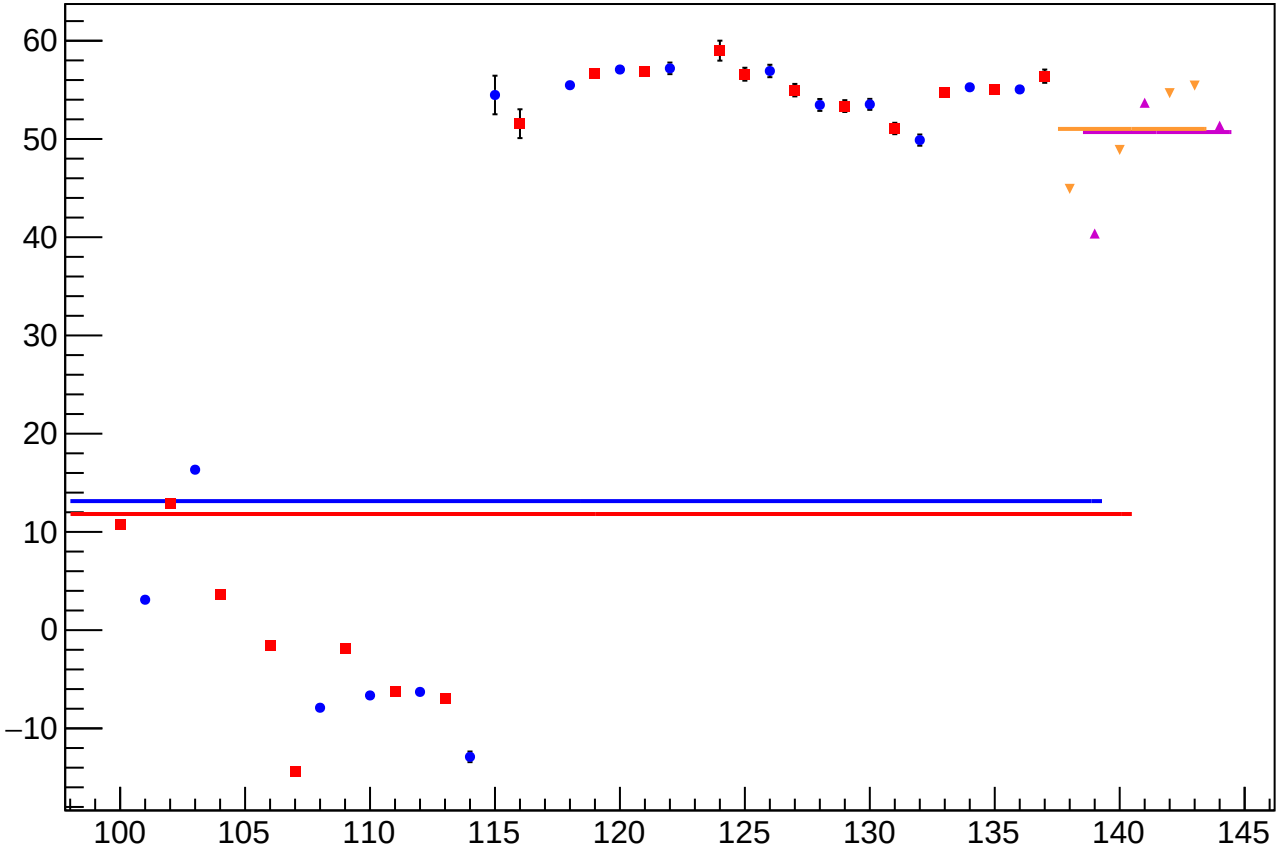
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.196+/-0.051 χ^2/NDF:2118.2/18

Out: -0.312+/-0.051 χ^2/NDF:4535.1/22

All: -0.056+/-0.036 χ^2/NDF: 6702.4/41

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.025+/-0.170 χ^2/NDF:548.6/3

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.705+/-0.190 χ^2/NDF:543.0/2

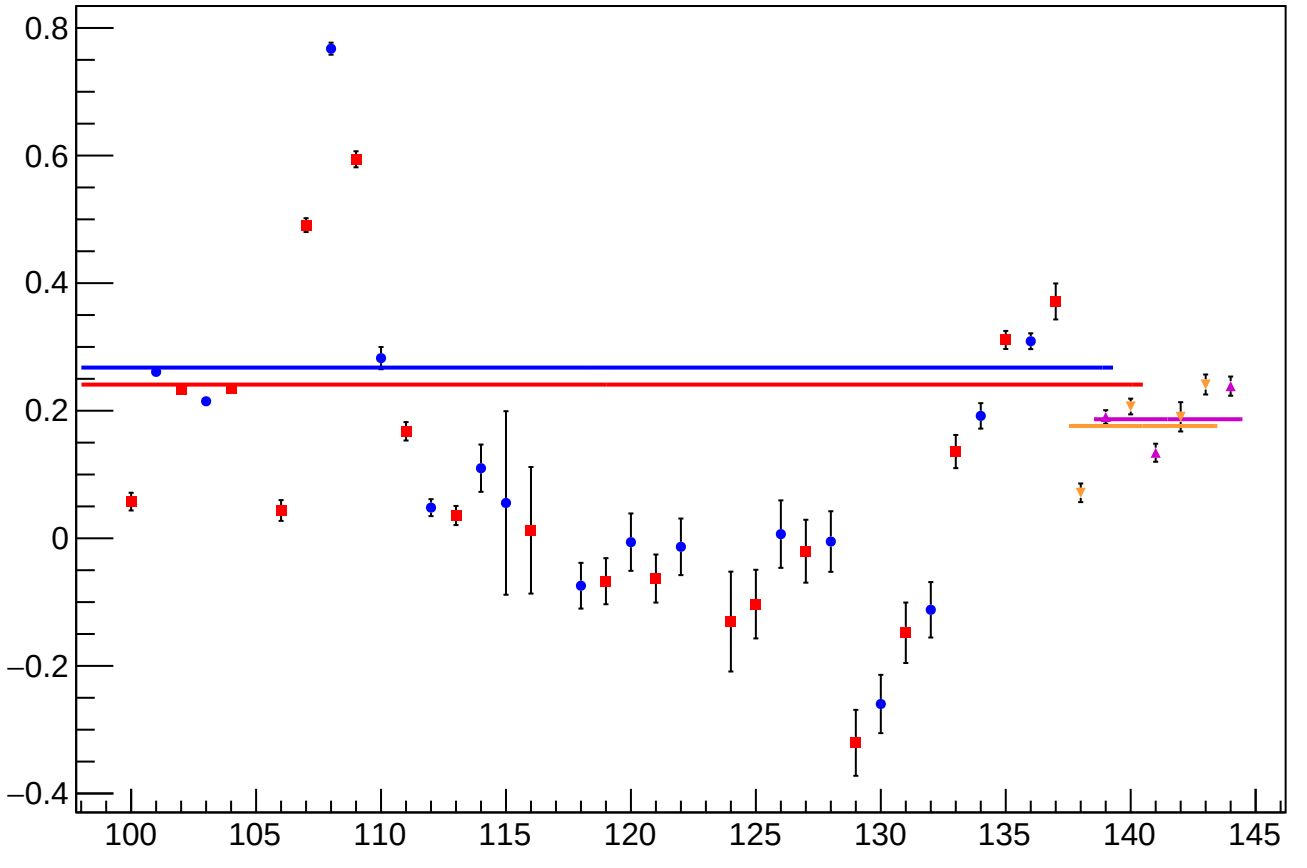
Left: 50.883+/-0.127 χ^2/NDF: 1093.1/6

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 17.398+/-0.064 χ^2/NDF:143801.8/18

Out: 17.214+/-0.063 χ^2/NDF:164634.8/22

All: 17.305+/-0.045 χ^2/NDF: 308440.8/41



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.176+/-0.008 χ^2/NDF:75.3/3

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.187+/-0.007 χ^2/NDF:25.8/2

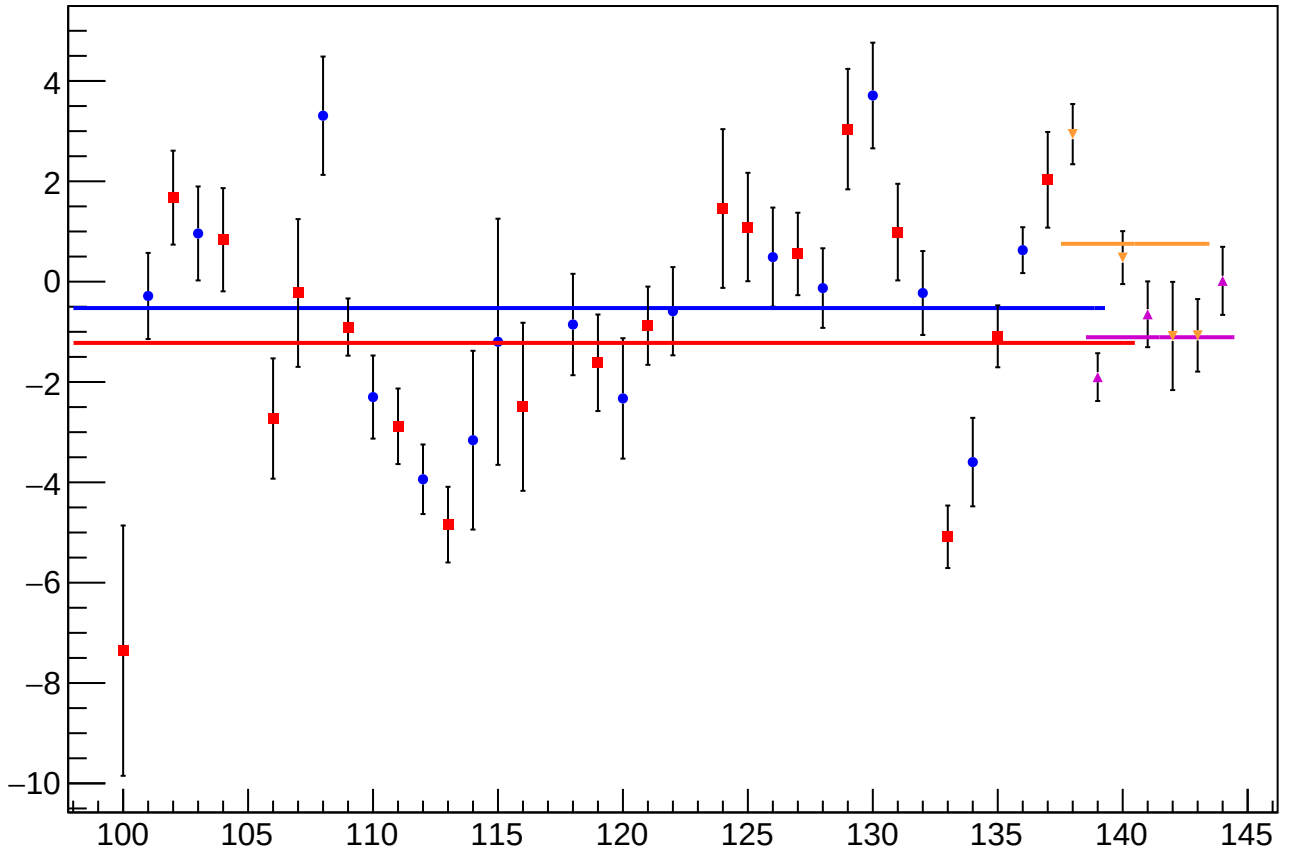
Left: 0.182+/-0.005 χ^2/NDF: 102.1/6

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.258+/-0.003 χ^2/NDF:3851.3/18

Out: 0.234+/-0.003 χ^2/NDF:2478.6/22

All: 0.245+/-0.002 χ^2/NDF: 6372.6/41



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.754+/-0.331 χ^2/NDF:22.8/3

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.108+/-0.335 χ^2/NDF:6.0/2

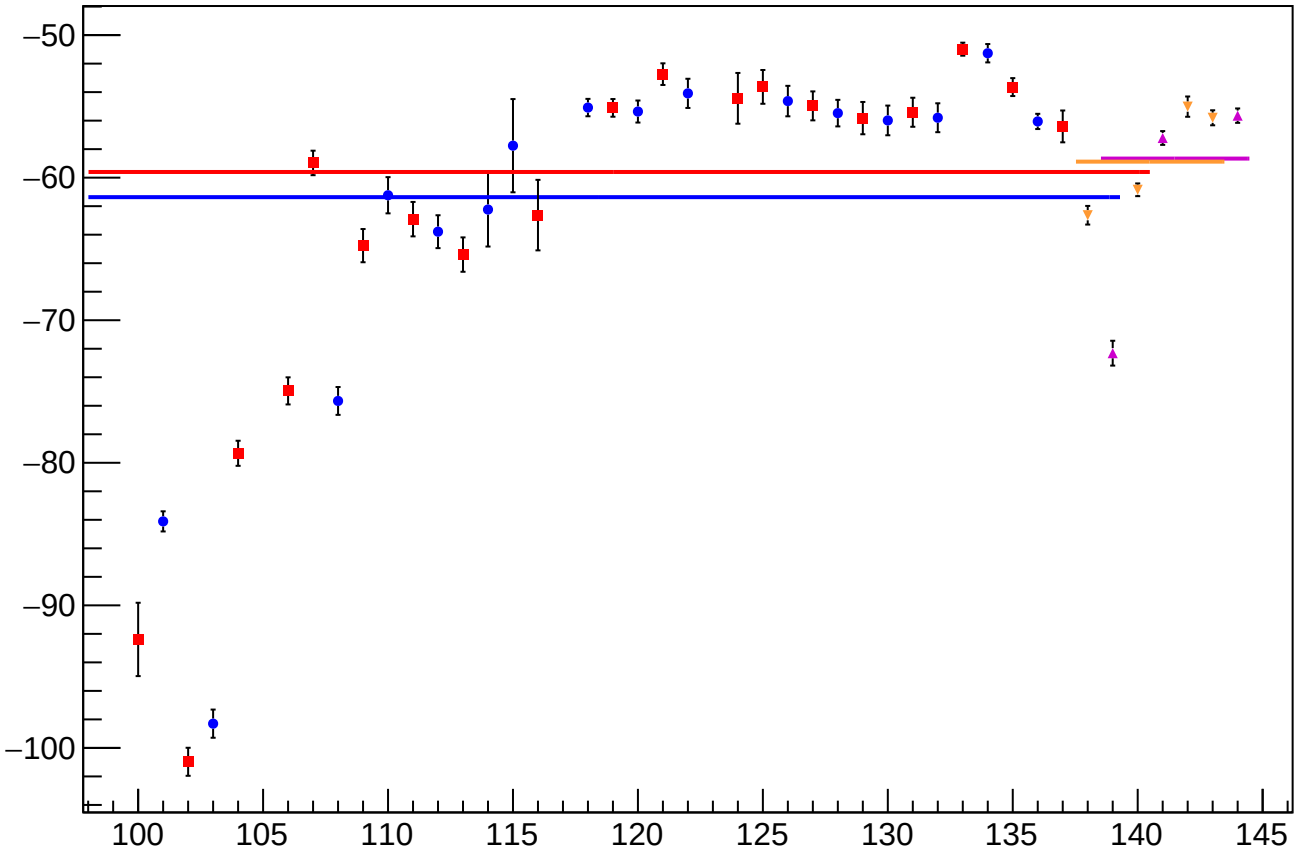
Left: -0.165+/-0.235 χ^2/NDF: 44.4/6

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.698+/-0.182 χ^2/NDF:90.9/18

Out: -0.675+/-0.174 χ^2/NDF:179.5/22

All: -0.686+/-0.126 χ^2/NDF: 270.4/41



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.876+/-0.278 χ^2/NDF:116.1/3

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -58.662+/-0.324 χ^2/NDF:290.0/2

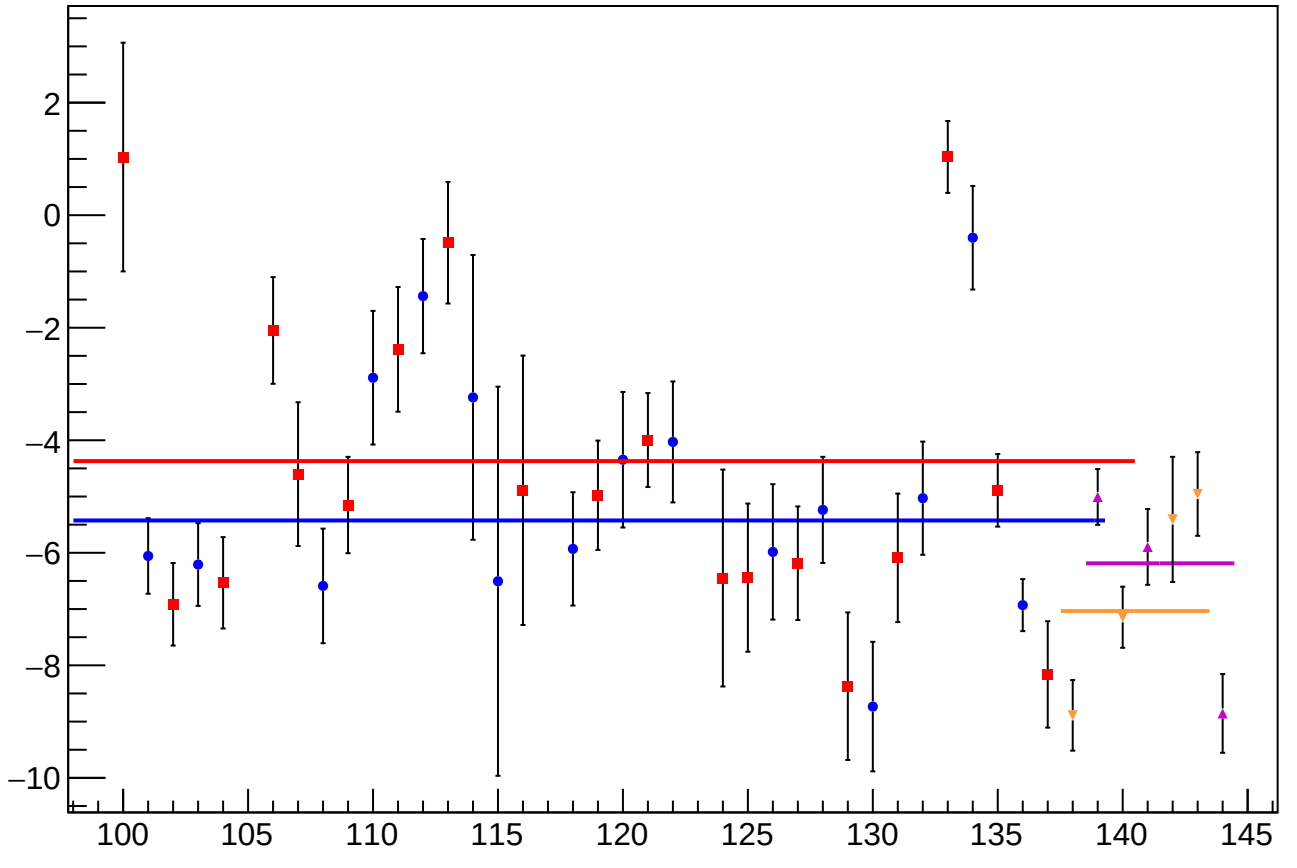
Left: -58.785+/-0.211 χ^2/NDF: 406.3/6

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -60.519+/-0.181 χ^2/NDF:3689.0/18

Out: -59.343+/-0.166 χ^2/NDF:3541.8/22

All: -59.878+/-0.122 χ^2/NDF: 7253.7/41



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.036+/-0.342 χ^2/NDF:18.7/3

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -6.187+/-0.346 χ^2/NDF:20.4/2

Left: -6.617+/-0.243 χ^2/NDF: 42.2/6

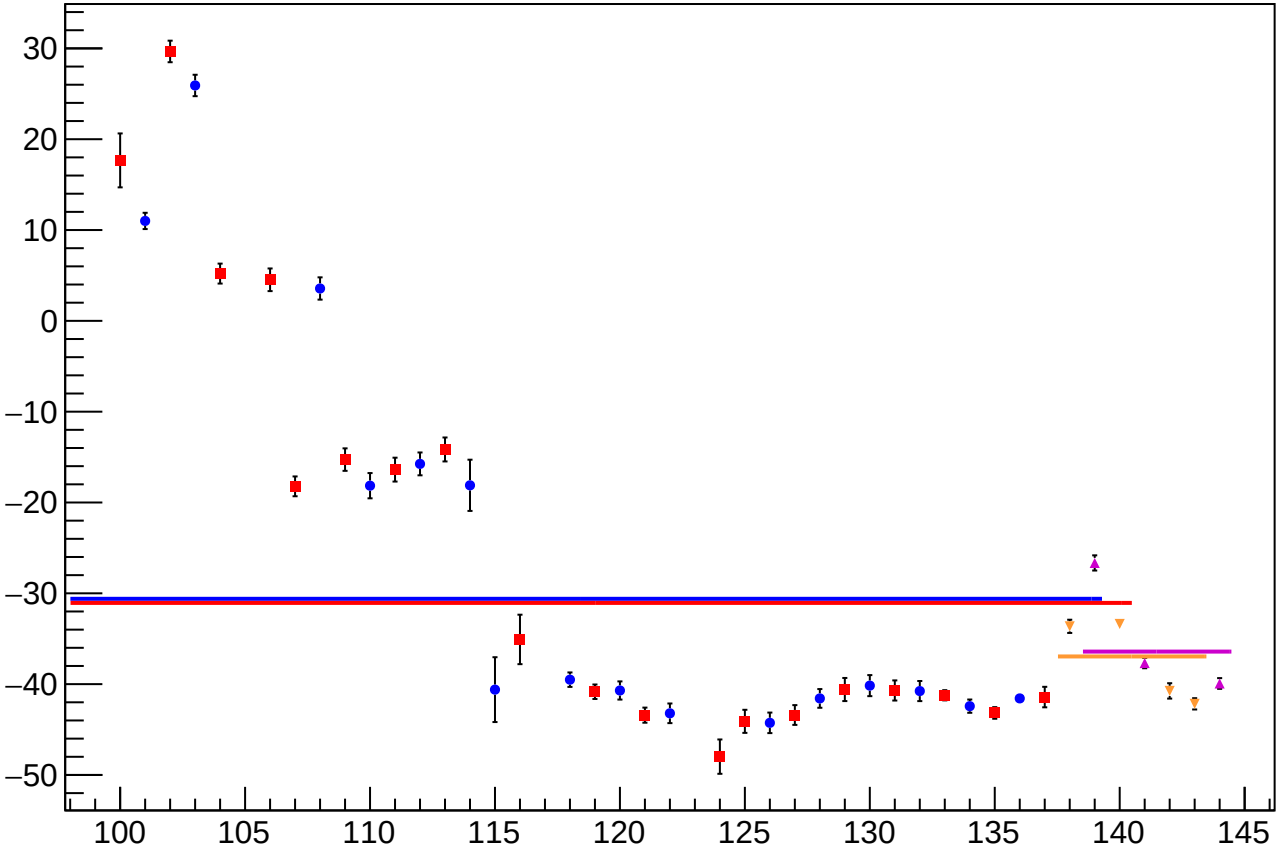
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.658+/-0.192 χ^2/NDF:99.7/18

Out: -5.163+/-0.187 χ^2/NDF:218.0/22

All: -5.404+/-0.134 χ^2/NDF: 321.1/41

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.952+/-0.327 χ^2/NDF:156.2/3

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -36.417+/-0.369 χ^2/NDF:176.5/2

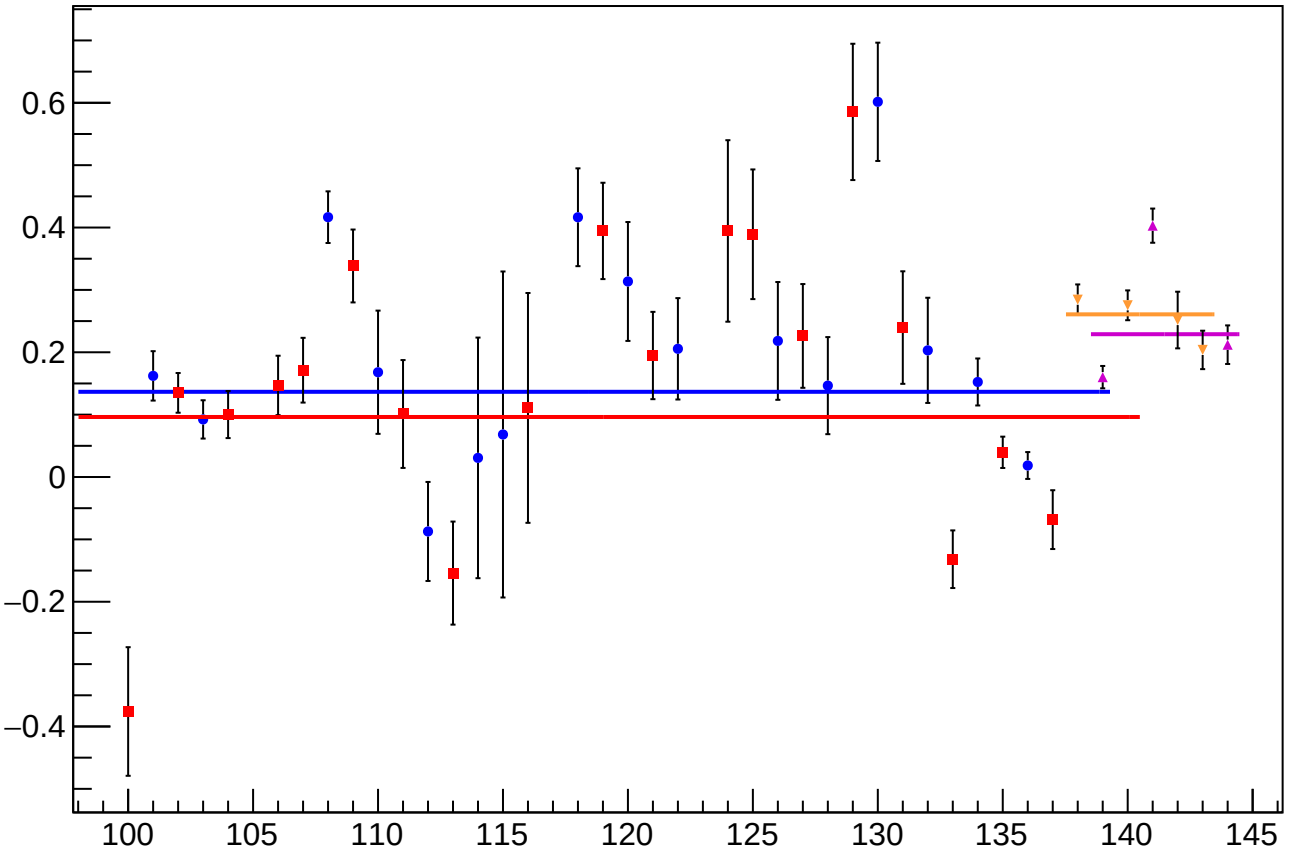
Left: -36.717+/-0.245 χ^2/NDF: 333.8/6

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.429+/-0.207 χ^2/NDF:7285.0/18

Out: -33.098+/-0.192 χ^2/NDF:7345.6/22

All: -32.788+/-0.141 χ^2/NDF: 14636.1/41



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.261+/-0.014 χ^2/NDF:4.8/3

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.229+/-0.013 χ^2/NDF:55.4/2

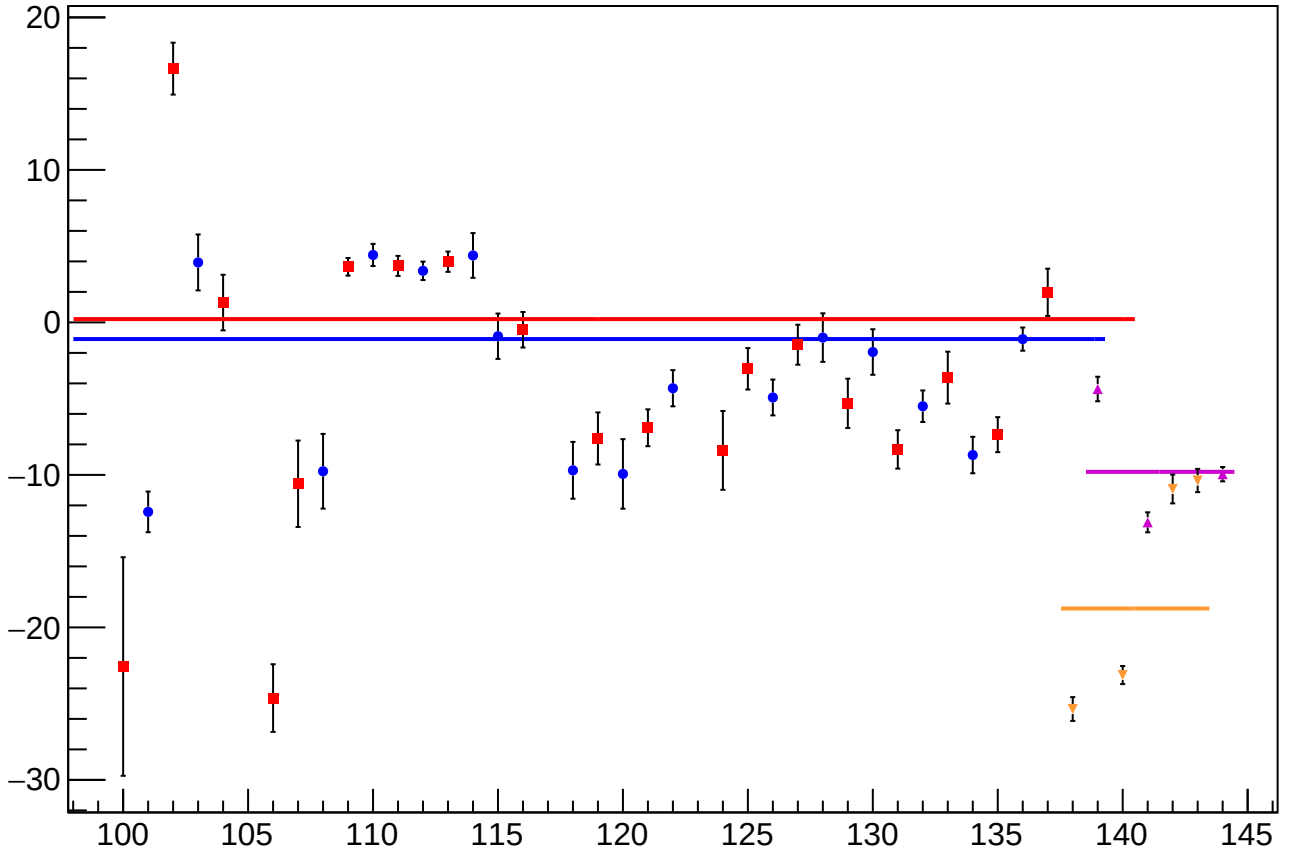
Left: 0.244+/-0.010 χ^2/NDF: 62.8/6

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.179+/-0.009 χ^2/NDF:209.8/18

Out: 0.167+/-0.009 χ^2/NDF:229.0/22

All: 0.173+/-0.007 χ^2/NDF: 439.7/41



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -18.761+/-0.369 χ^2/NDF:315.7/3

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -9.799+/-0.346 χ^2/NDF:71.2/2

Left: -13.984+/-0.252 χ^2/NDF: 701.1/6

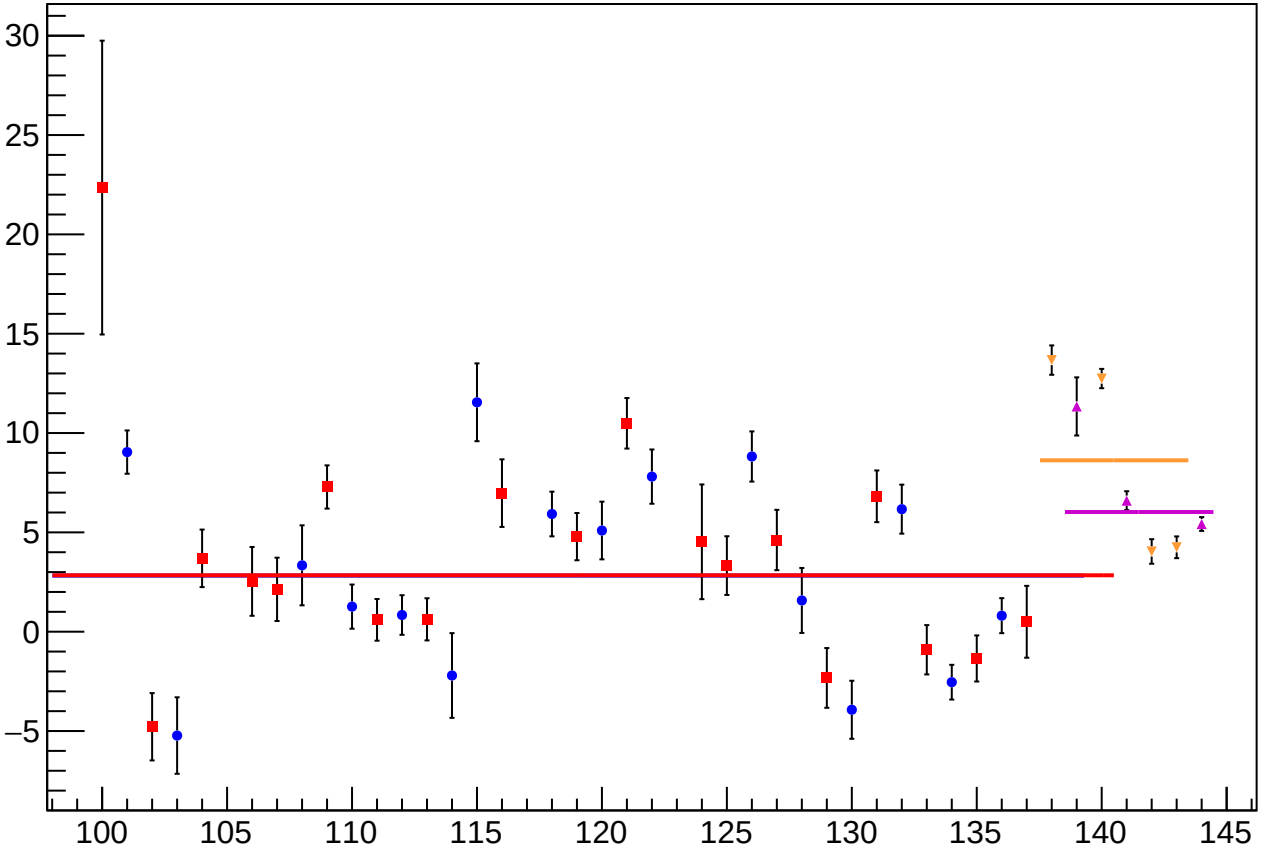
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.552+/-0.218 χ^2/NDF:785.9/18

Out: -6.274+/-0.216 χ^2/NDF:2575.0/22

All: -5.421+/-0.153 χ^2/NDF: 3392.5/41

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 8.626+/-0.289 χ^2/NDF:237.1/3

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 6.024+/-0.275 χ^2/NDF:17.6/2

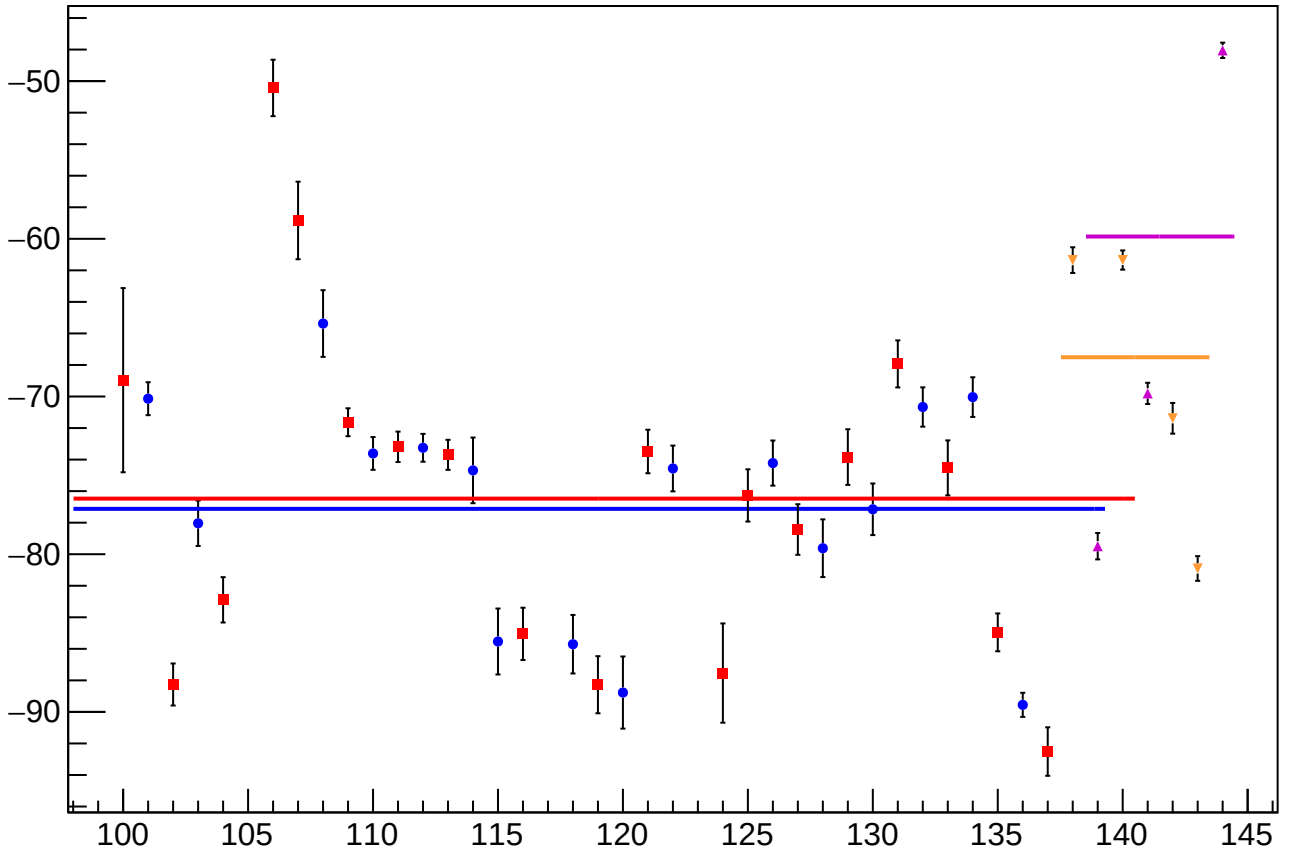
Left: 7.264+/-0.199 χ^2/NDF: 297.4/6

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 4.630+/-0.207 χ^2/NDF:276.1/18

Out: 6.052+/-0.215 χ^2/NDF:561.0/22

All: 5.313+/-0.149 χ^2/NDF: 859.8/41



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -67.510+/-0.381 χ^2/NDF:468.0/3

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -59.855+/-0.356 χ^2/NDF:1359.8/2

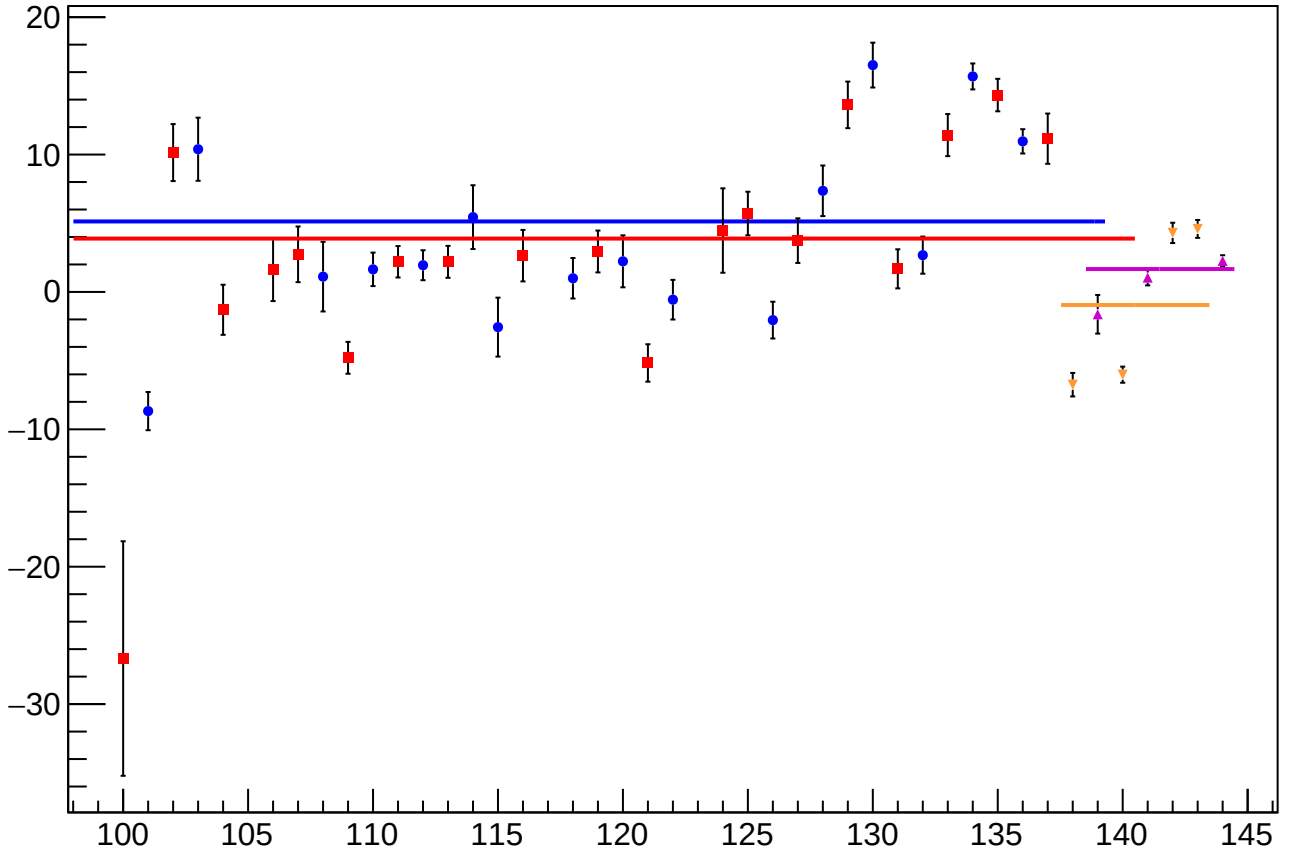
Left: -63.427+/-0.260 χ^2/NDF: 2043.2/6

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -69.248+/-0.241 χ^2/NDF:3140.5/18

Out: -72.652+/-0.249 χ^2/NDF:1481.4/22

All: -70.893+/-0.173 χ^2/NDF: 4718.6/41



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -0.951+/-0.344 χ^2/NDF:243.6/3

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 1.667+/-0.322 χ^2/NDF:8.8/2

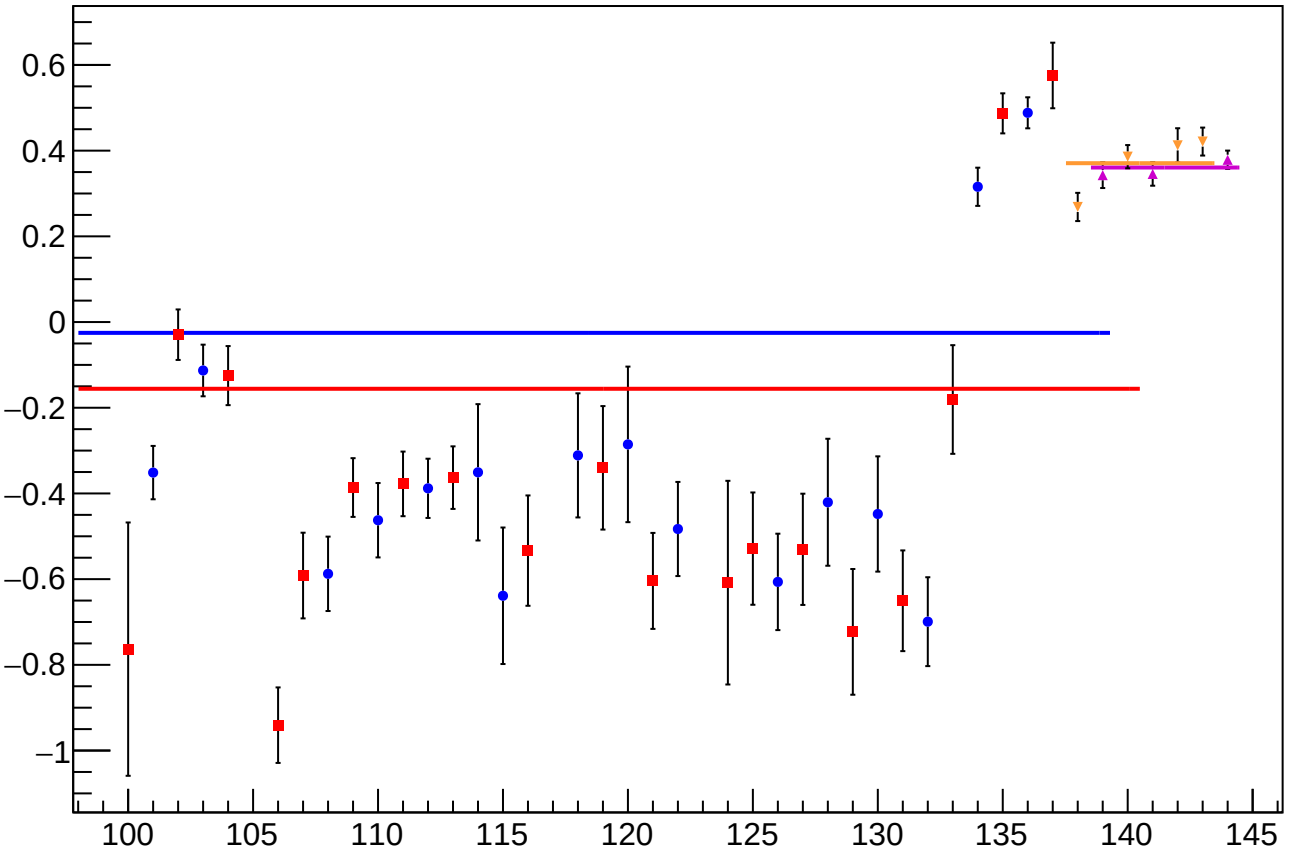
Left: 0.443+/-0.235 χ^2/NDF: 283.3/6

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.257+/-0.237 χ^2/NDF:474.3/18

Out: 1.345+/-0.249 χ^2/NDF:629.1/22

All: 2.349+/-0.172 χ^2/NDF: 1134.3/41



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.371+/-0.016 χ^2/NDF:13.4/3

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.361+/-0.015 χ^2/NDF:1.4/2

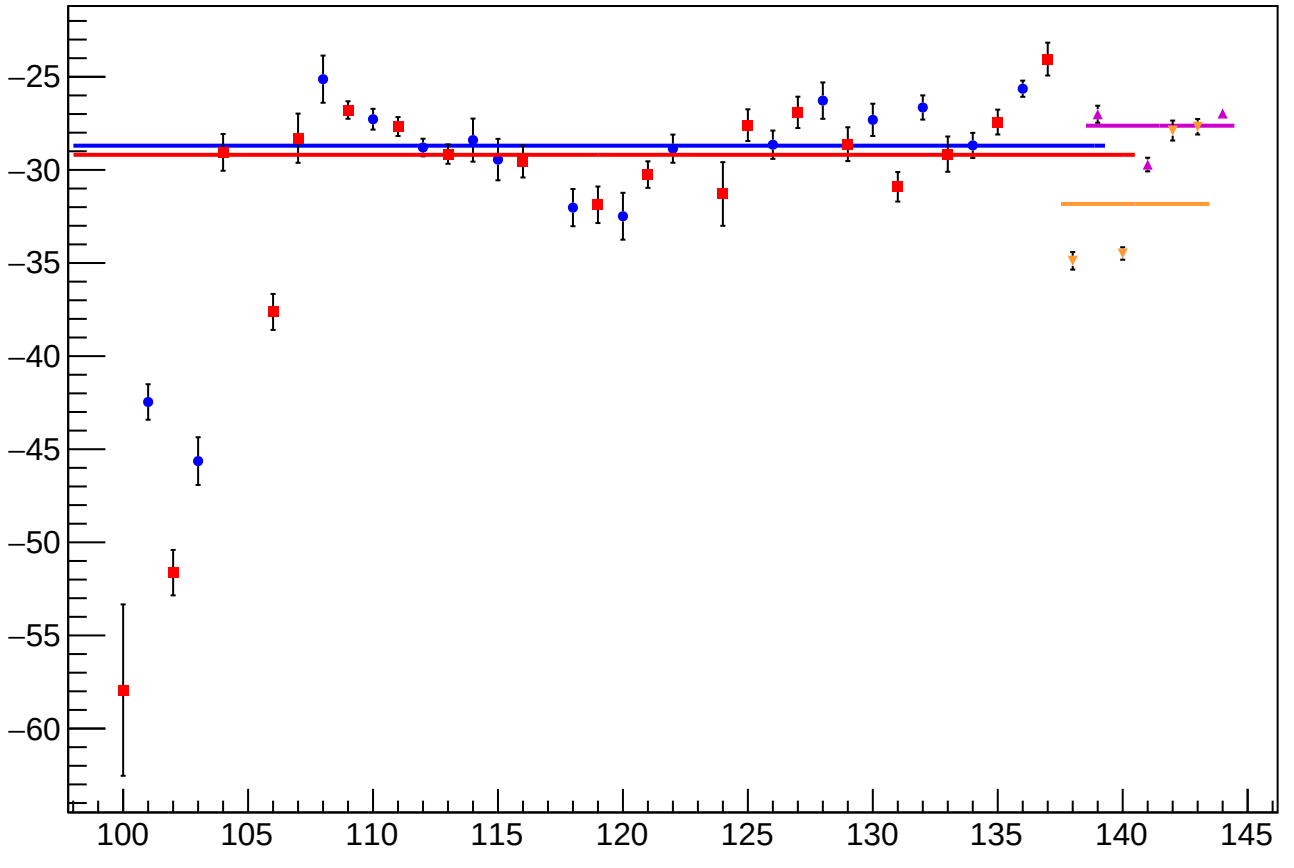
Left: 0.365+/-0.011 χ^2/NDF: 15.0/6

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.215+/-0.012 χ^2/NDF:772.2/18

Out: 0.166+/-0.013 χ^2/NDF:923.1/22

All: 0.193+/-0.009 χ^2/NDF: 1703.4/41



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -31.828+/-0.210 χ^2/NDF:257.8/3

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.626+/-0.178 χ^2/NDF:42.4/2

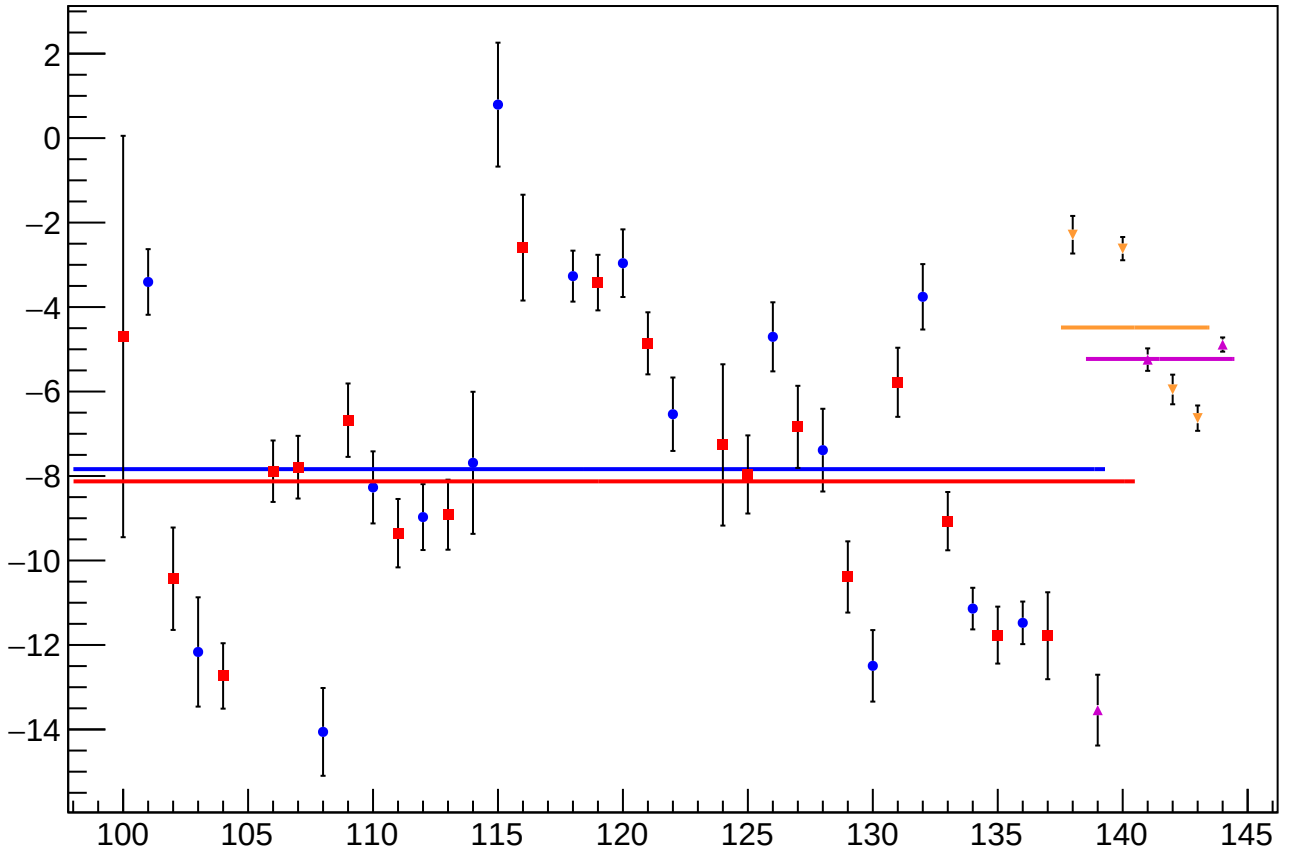
Left: -29.384+/-0.136 χ^2/NDF: 532.7/6

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.140+/-0.129 χ^2/NDF:547.1/18

Out: -30.314+/-0.137 χ^2/NDF:905.5/22

All: -29.157+/-0.094 χ^2/NDF: 1586.2/41



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -4.484+/-0.163 χ^2/NDF:139.1/3

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -5.228+/-0.140 χ^2/NDF:102.5/2

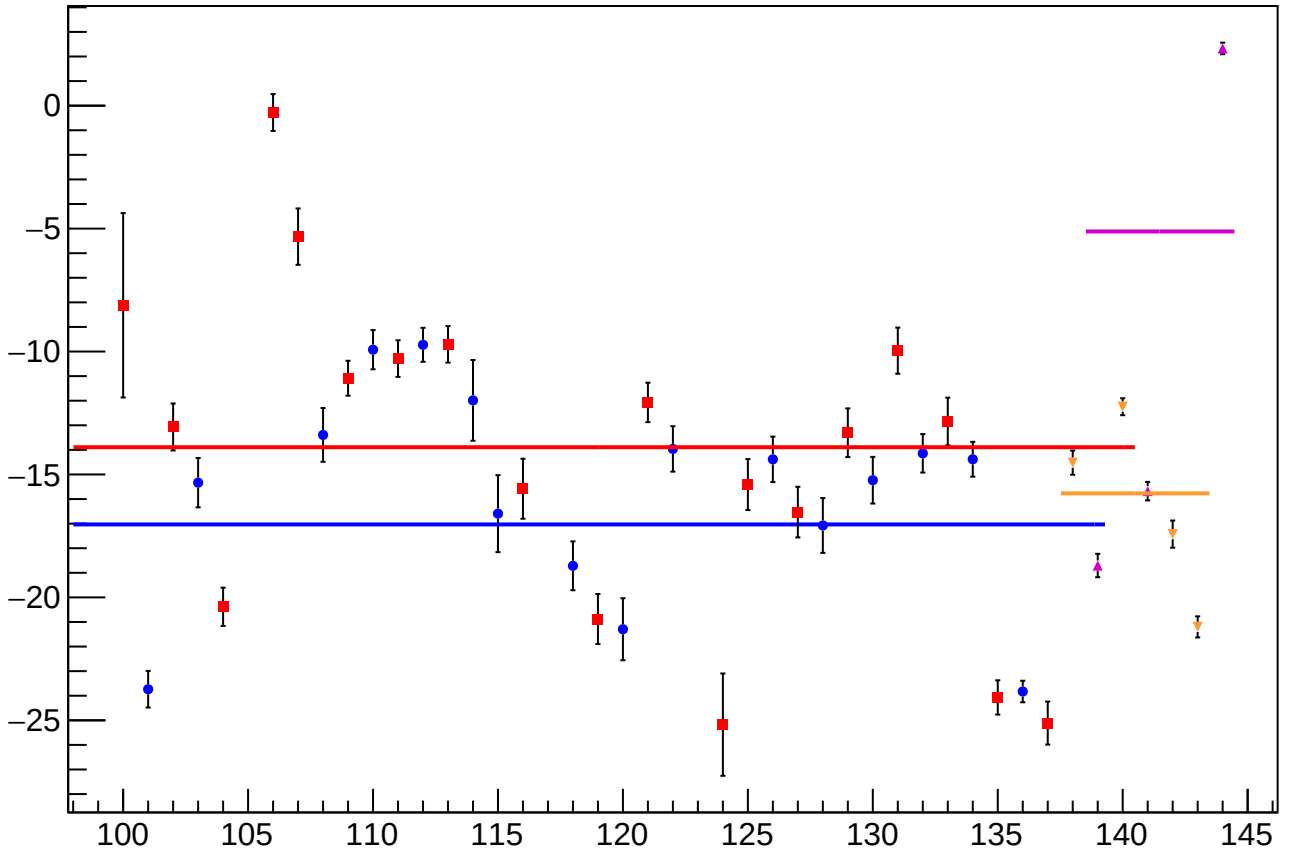
Left: -4.913+/-0.106 χ^2/NDF: 253.6/6

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.117+/-0.114 χ^2/NDF:603.8/18

Out: -5.970+/-0.126 χ^2/NDF:539.5/22

All: -6.051+/-0.084 χ^2/NDF: 1144.1/41



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -15.769+/-0.217 χ^2/NDF:280.1/3

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -5.116+/-0.184 χ^2/NDF:2604.8/2

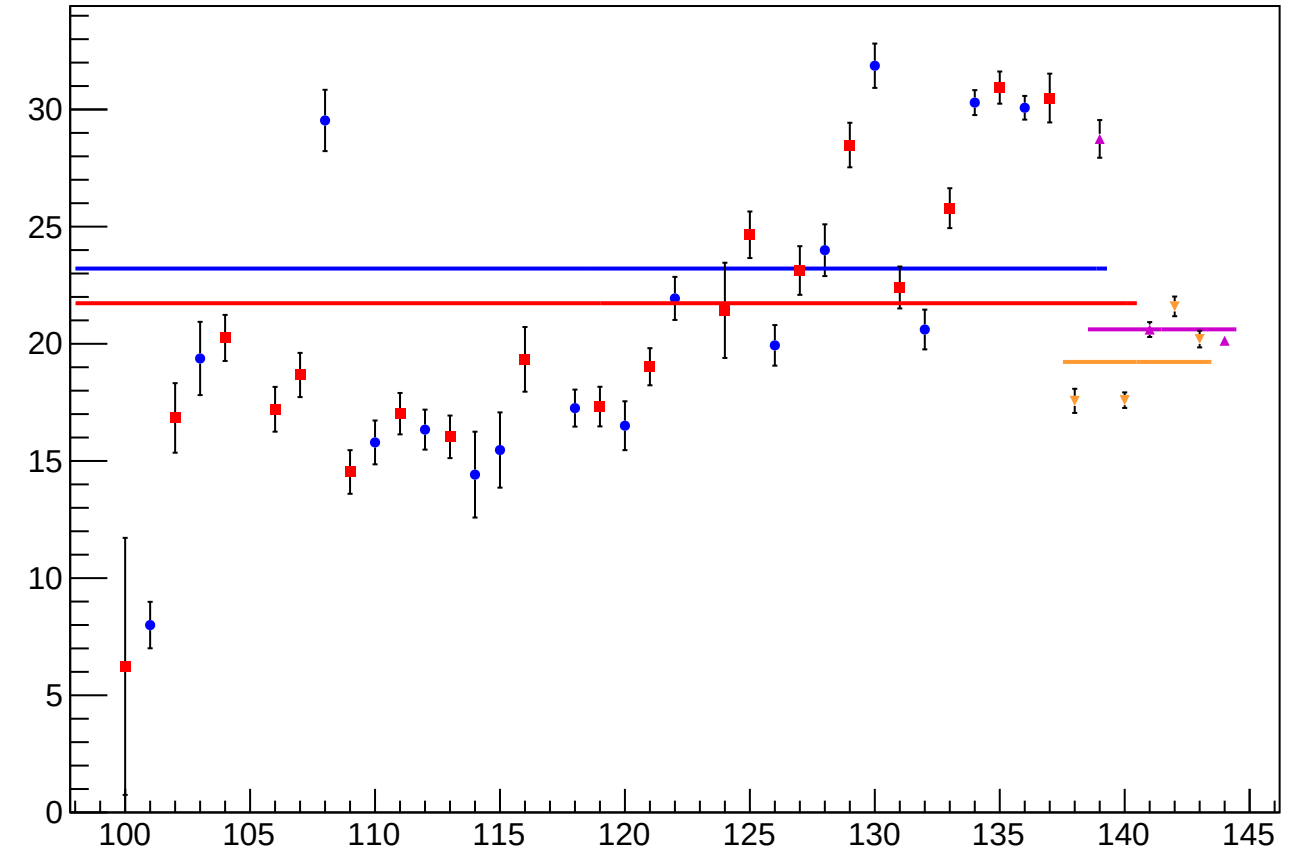
Left: -9.574+/-0.140 χ^2/NDF: 4288.4/6

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -10.307+/-0.138 χ^2/NDF:5034.2/18

Out: -14.797+/-0.151 χ^2/NDF:1336.3/22

All: -12.359+/-0.102 χ^2/NDF: 6853.2/41



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 19.227+/-0.195 χ^2/NDF:74.0/3

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 20.616+/-0.164 χ^2/NDF:108.0/2

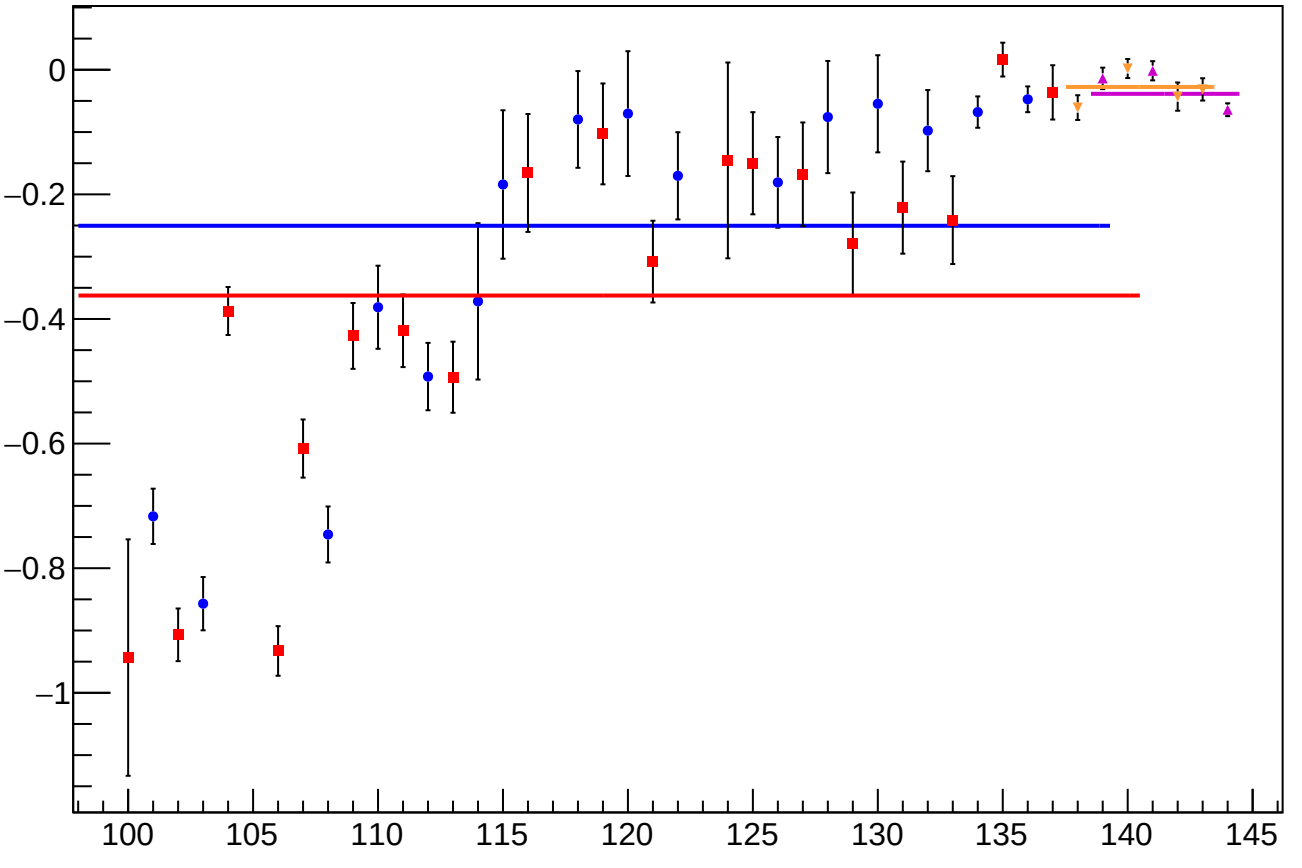
Left: 20.040+/-0.125 χ^2/NDF: 211.8/6

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 21.553+/-0.131 χ^2/NDF:1206.7/18

Out: 20.302+/-0.147 χ^2/NDF:703.3/22

All: 20.999+/-0.098 χ^2/NDF: 1950.3/41



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.028+/-0.009 χ^2/NDF:7.0/3

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.039+/-0.008 χ^2/NDF:14.0/2

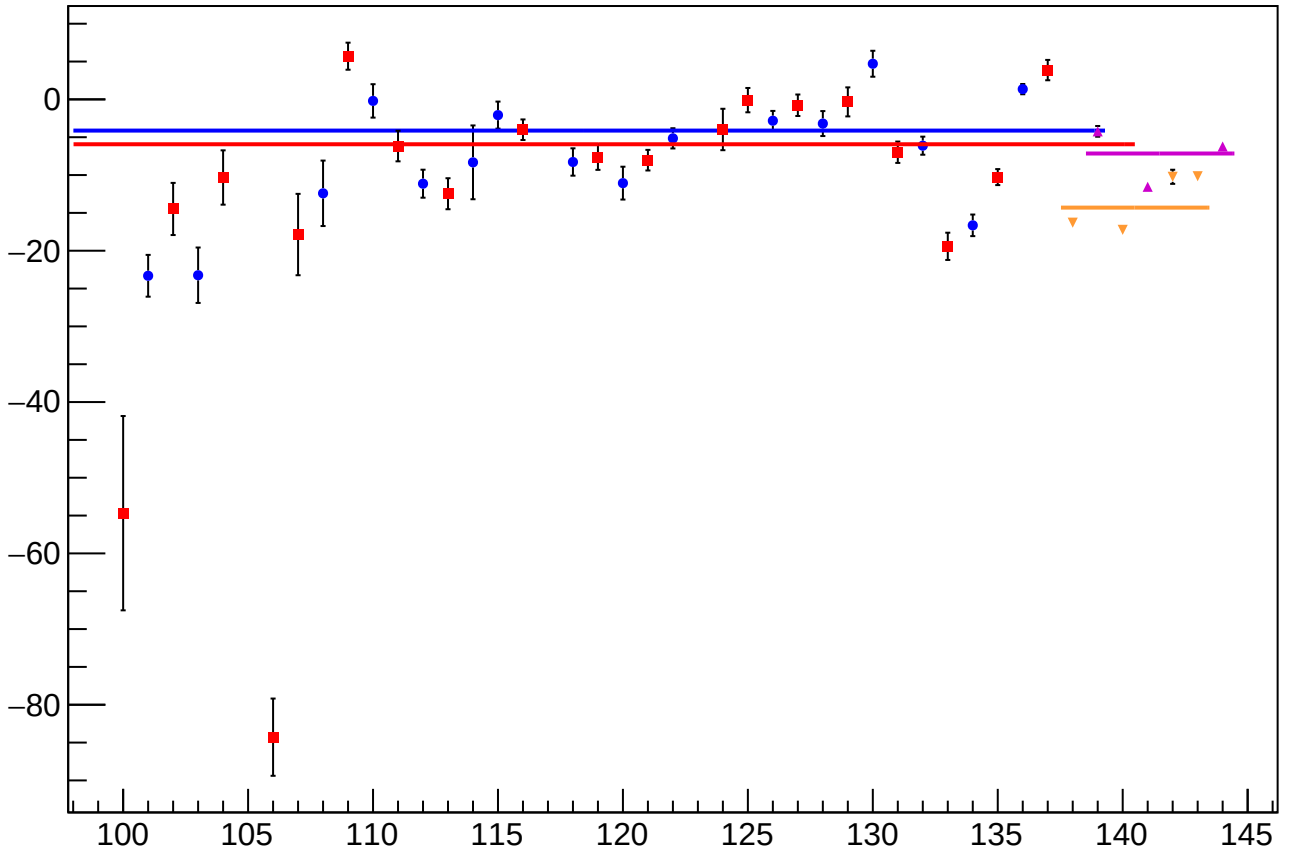
Left: -0.034+/-0.006 χ^2/NDF: 21.9/6

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.006 χ^2/NDF:877.7/18

Out: -0.147+/-0.007 χ^2/NDF:1184.7/22

All: -0.122+/-0.005 χ^2/NDF: 2082.9/41



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -14.303+/-0.336 χ^2/NDF:94.3/3

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -7.153+/-0.312 χ^2/NDF:71.1/2

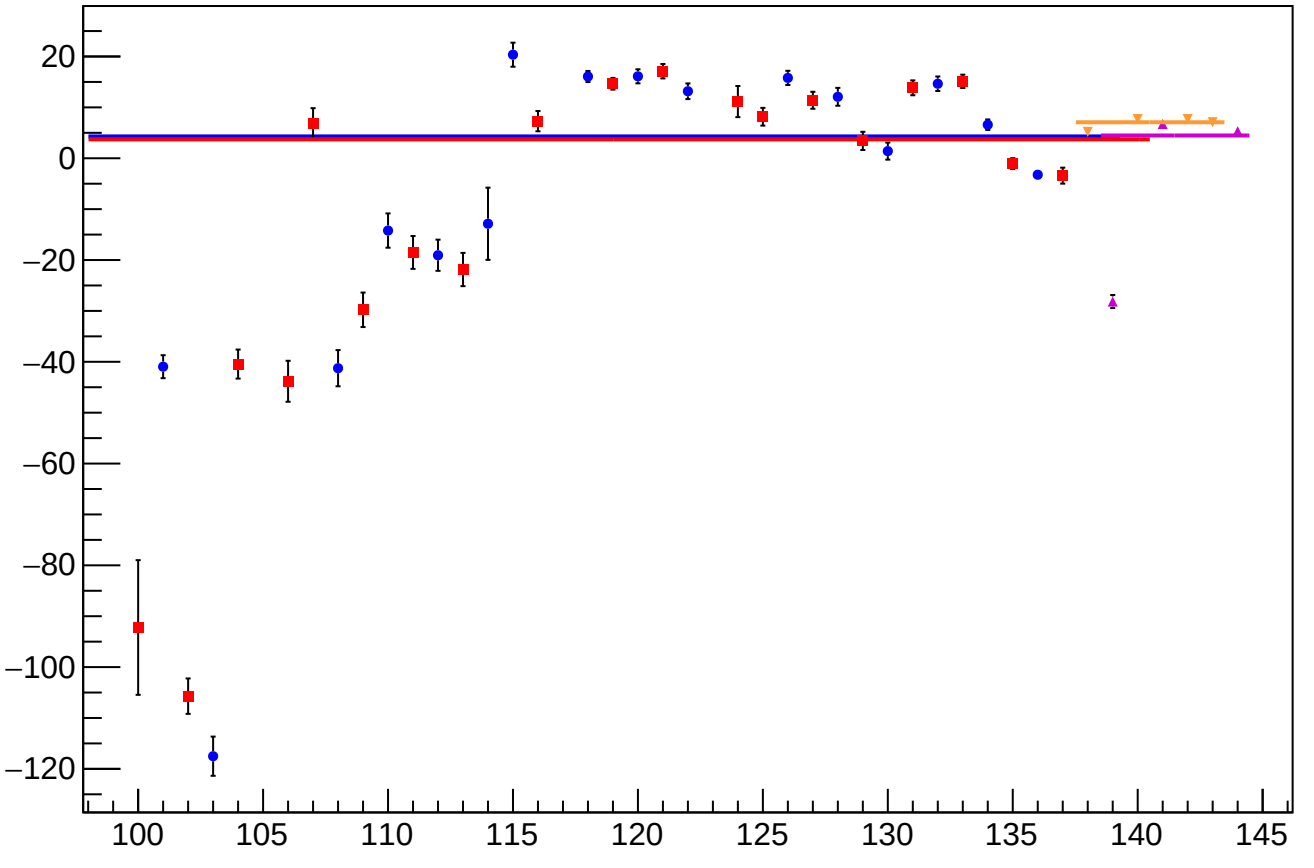
Left: -10.458+/-0.228 χ^2/NDF: 408.9/6

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -5.942+/-0.241 χ^2/NDF:396.8/18

Out: -10.916+/-0.259 χ^2/NDF:828.0/22

All: -8.251+/-0.177 χ^2/NDF: 1422.0/41



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.077+/-0.265 χ^2/NDF:11.7/3

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.476+/-0.250 χ^2/NDF:675.9/2

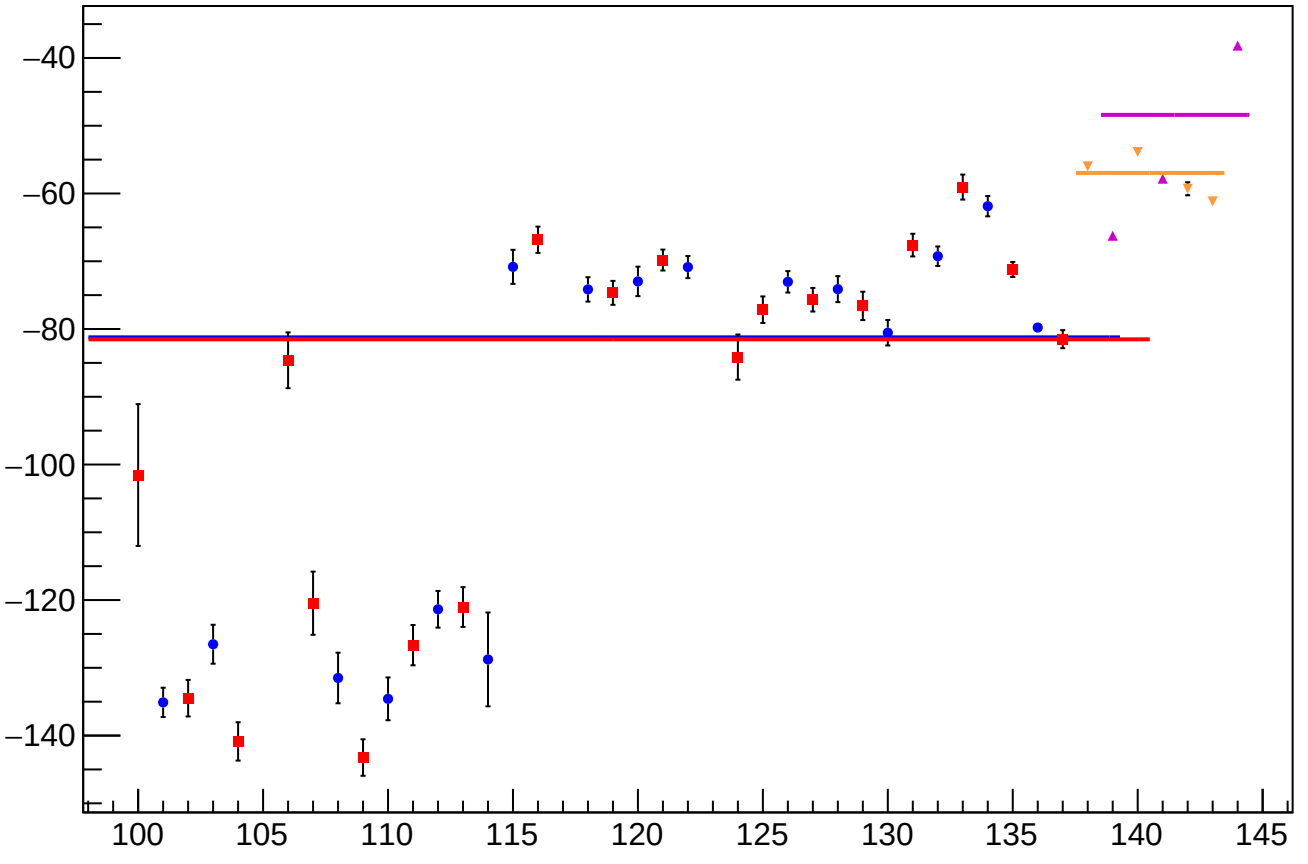
Left: 5.700+/-0.182 χ^2/NDF: 738.7/6

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.422+/-0.210 χ^2/NDF:2845.2/18

Out: 6.128+/-0.225 χ^2/NDF:2064.3/22

All: 5.216+/-0.153 χ^2/NDF: 4940.4/41



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -56.969+/-0.347 χ^2/NDF:74.5/3

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -48.398+/-0.321 χ^2/NDF:1365.4/2

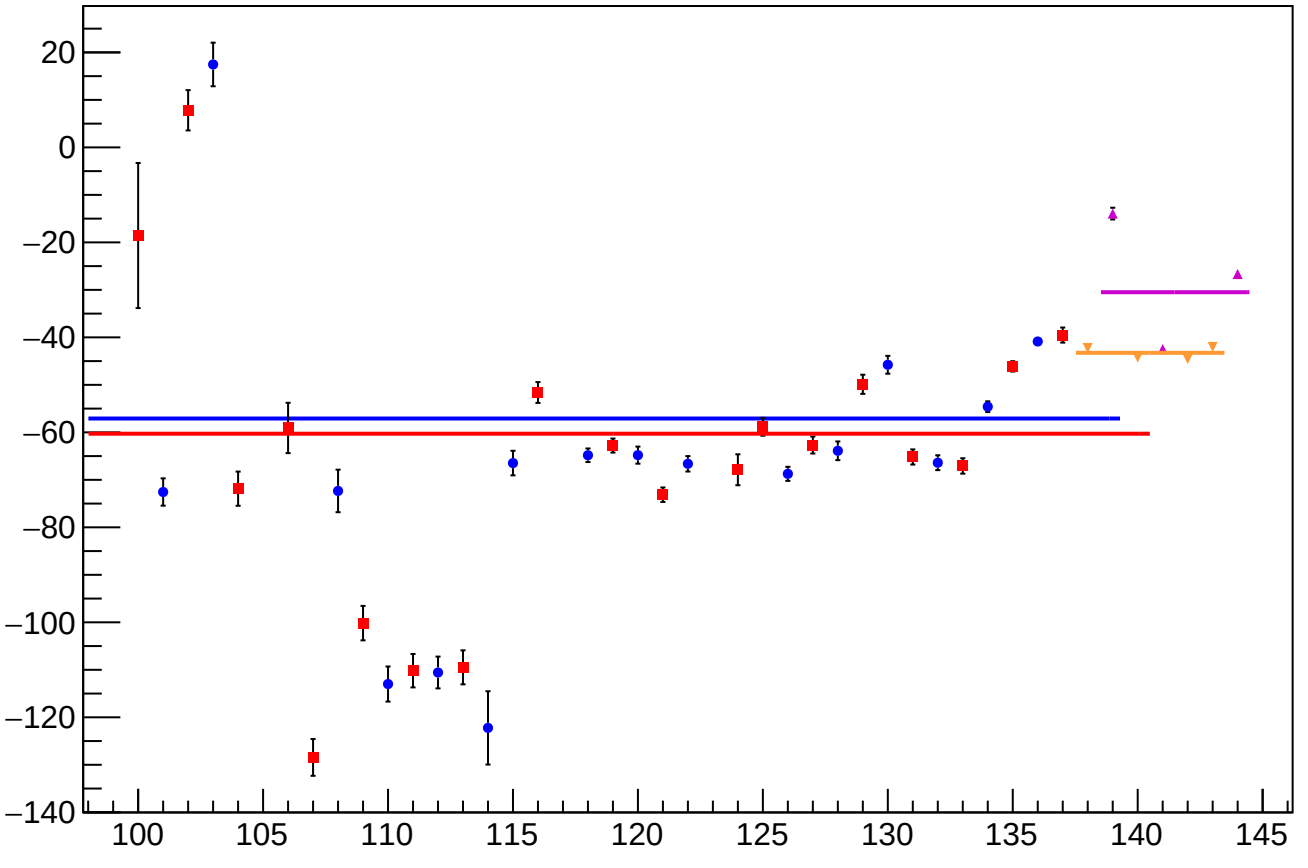
Left: -52.359+/-0.236 χ^2/NDF: 1768.3/6

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -60.644+/-0.255 χ^2/NDF:7226.7/18

Out: -65.829+/-0.277 χ^2/NDF:4176.2/22

All: -63.016+/-0.188 χ^2/NDF: 11592.6/41



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -43.256+/-0.315 χ^2/NDF:12.9/3

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -30.496+/-0.292 χ^2/NDF:777.2/2

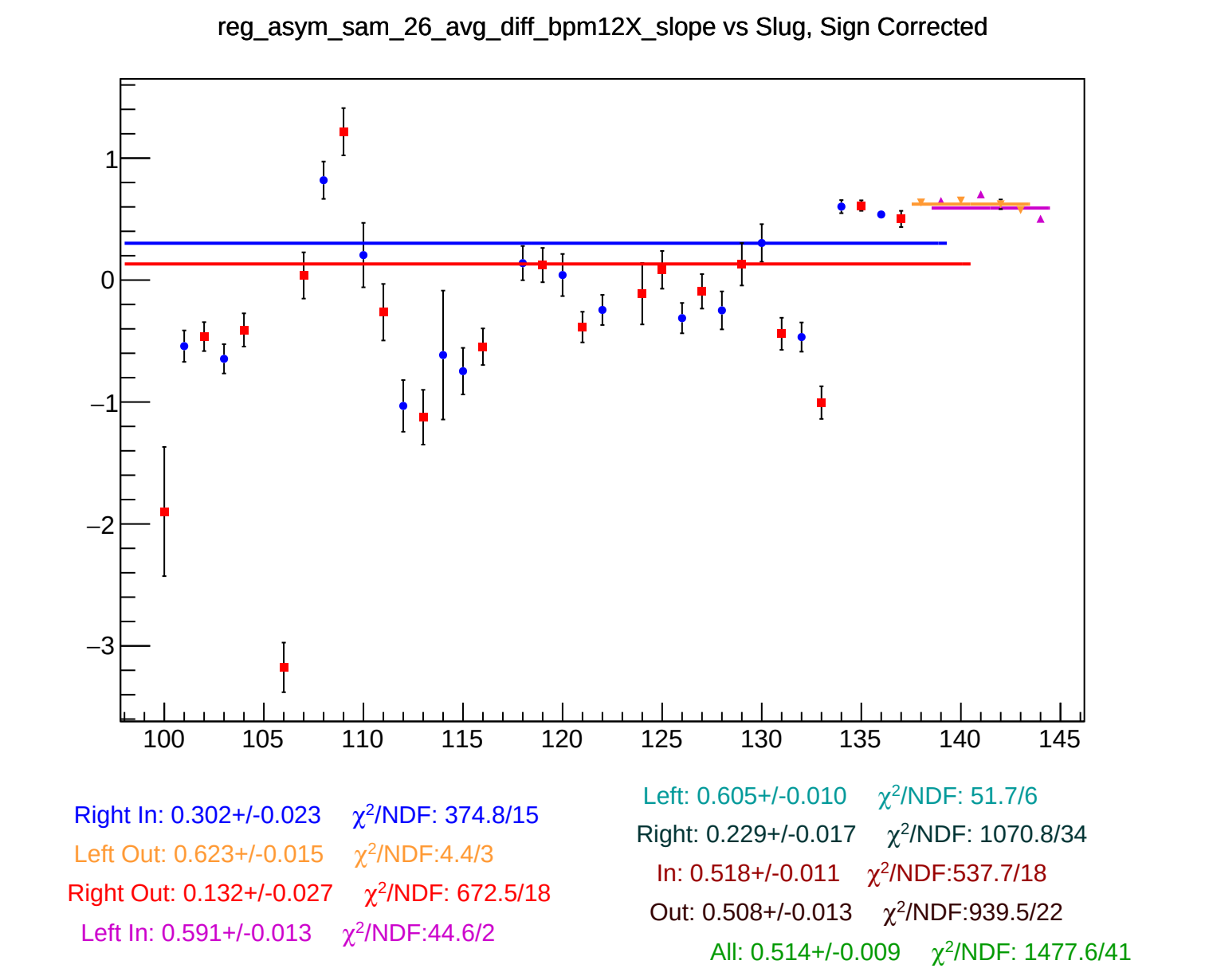
Left: -36.383+/-0.214 χ^2/NDF: 1672.1/6

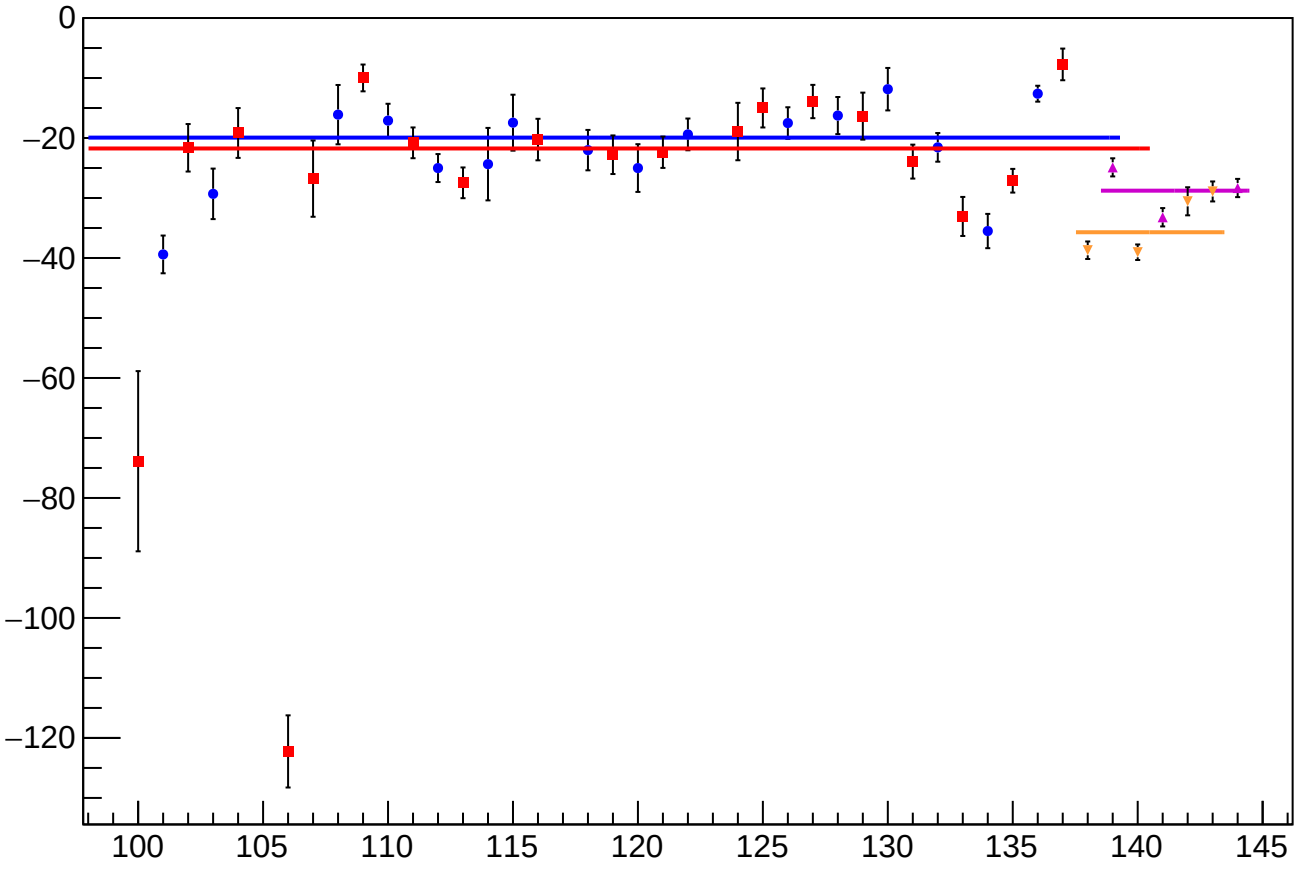
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -38.998+/-0.241 χ^2/NDF:4958.4/18

Out: -48.543+/-0.262 χ^2/NDF:2506.2/22

All: -43.369+/-0.177 χ^2/NDF: 8184.8/41


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.623+/-0.015 χ²/NDF:4.4/3
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.591+/-0.013 χ²/NDF:44.6/2
Left: 0.605+/-0.010 χ²/NDF: 51.7/6
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.518+/-0.011 χ²/NDF:537.7/18
Out: 0.508+/-0.013 χ²/NDF:939.5/22
All: 0.514+/-0.009 χ²/NDF: 1477.6/41



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.708+/-0.789 χ^2/NDF:32.3/3

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -28.779+/-0.877 χ^2/NDF:15.1/2

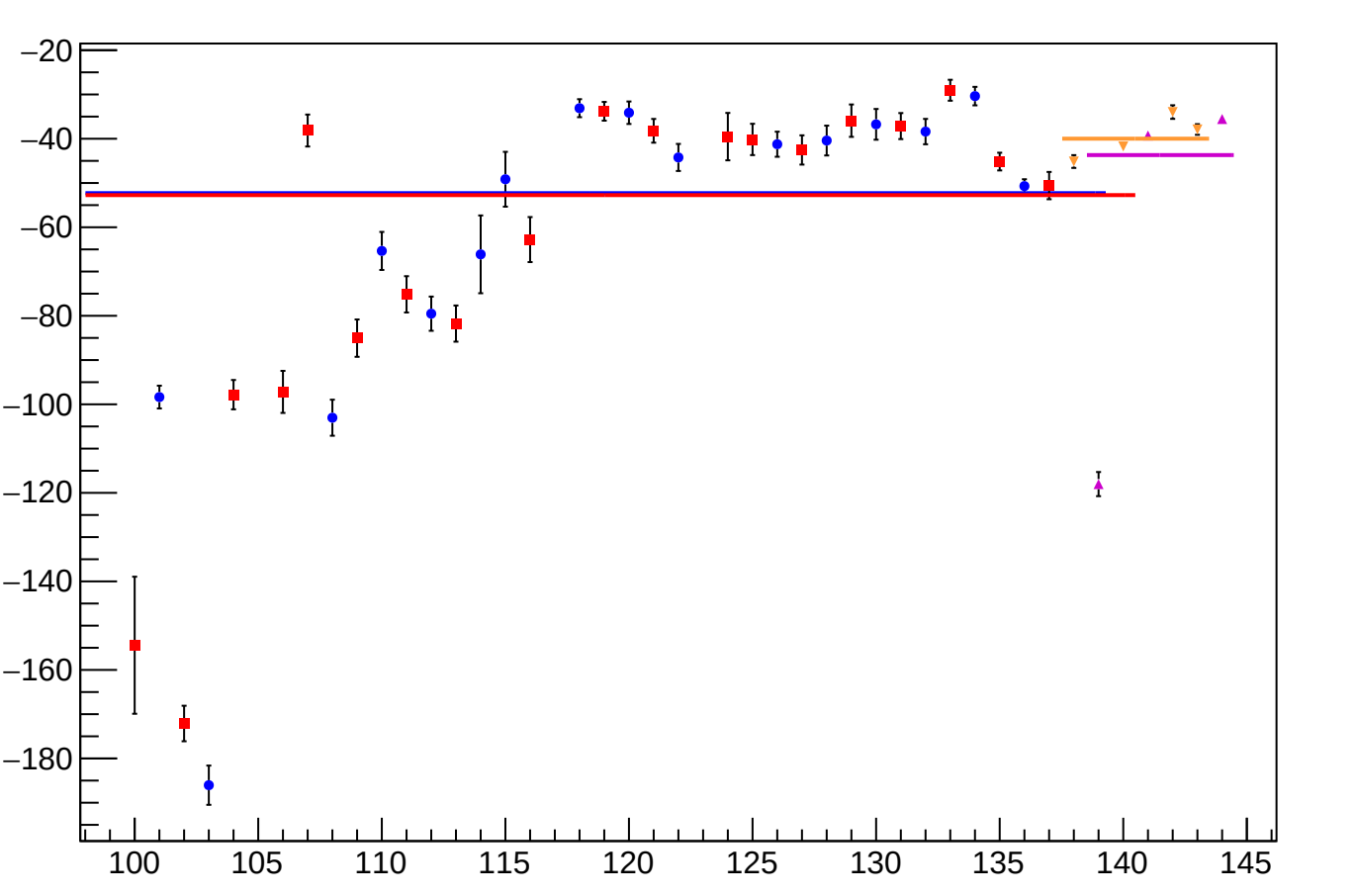
Left: -32.610+/-0.586 χ^2/NDF: 82.0/6

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -23.345+/-0.545 χ^2/NDF:198.2/18

Out: -28.031+/-0.529 χ^2/NDF:593.0/22

All: -25.755+/-0.380 χ^2/NDF: 829.2/41



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.988+/-0.638 χ^2/NDF:33.7/3

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -43.694+/-0.761 χ^2/NDF:811.3/2

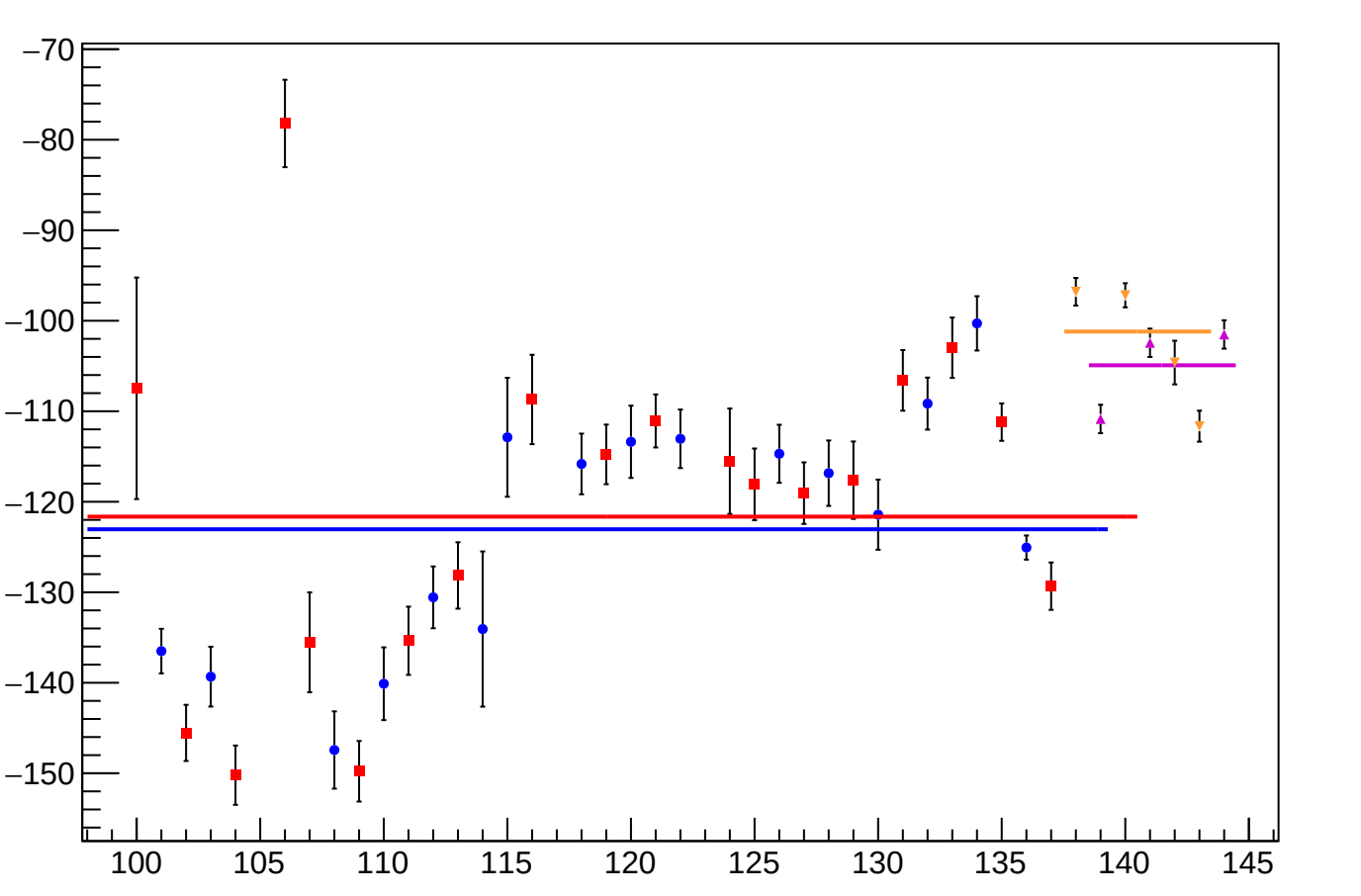
Left: -41.519+/-0.489 χ^2/NDF: 859.0/6

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -48.302+/-0.518 χ^2/NDF:2658.1/18

Out: -45.356+/-0.486 χ^2/NDF:1864.3/22

All: -46.733+/-0.354 χ^2/NDF: 4539.6/41



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.193+/-0.815 χ^2/NDF:56.6/3

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -104.922+/-0.906 χ^2/NDF:21.5/2

Left: -102.861+/-0.606 χ^2/NDF: 87.4/6

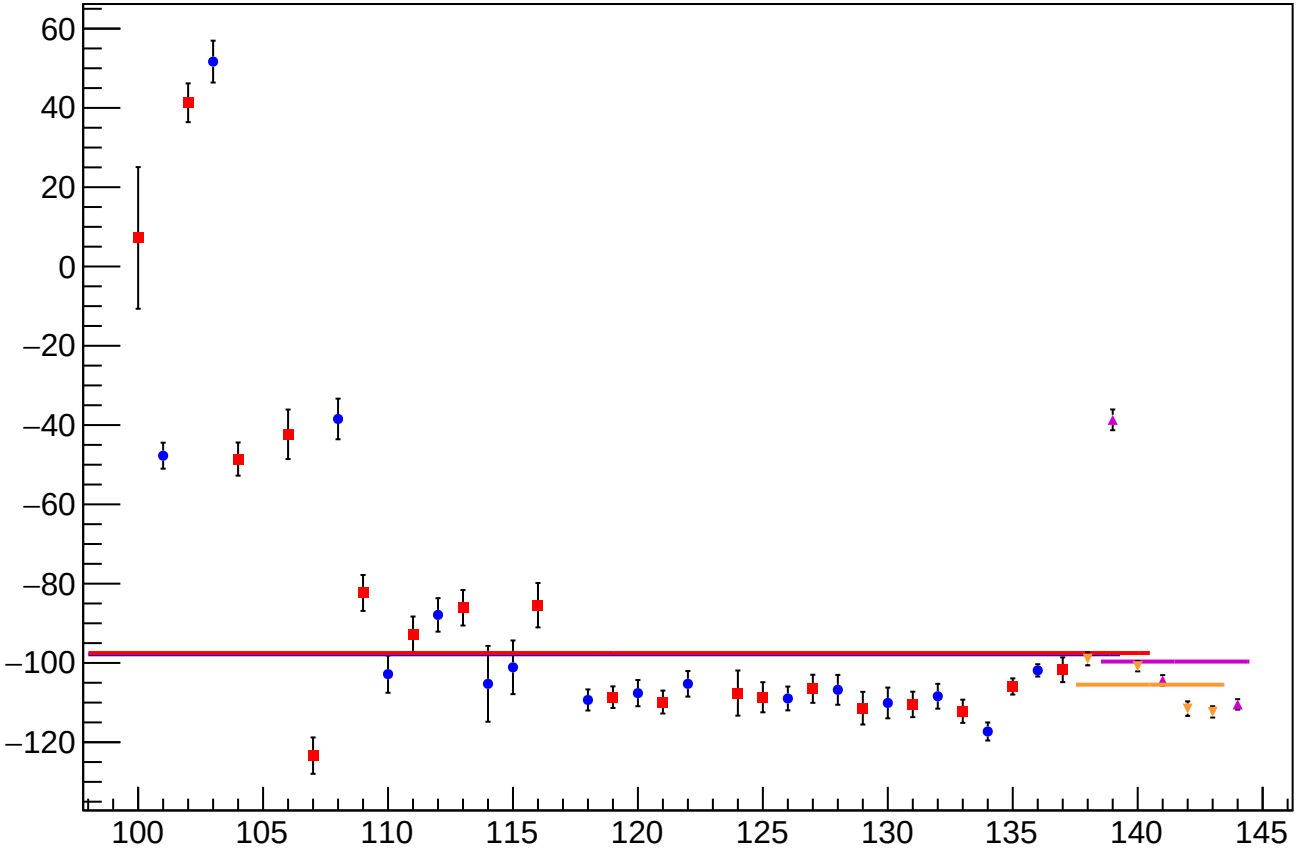
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -115.670+/-0.578 χ^2/NDF:485.6/18

Out: -111.591+/-0.571 χ^2/NDF:801.5/22

All: -113.608+/-0.406 χ^2/NDF: 1312.3/41

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: -105.486+/-0.756 χ^2/NDF:62.5/3

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -99.652+/-0.881 χ^2/NDF:623.5/2

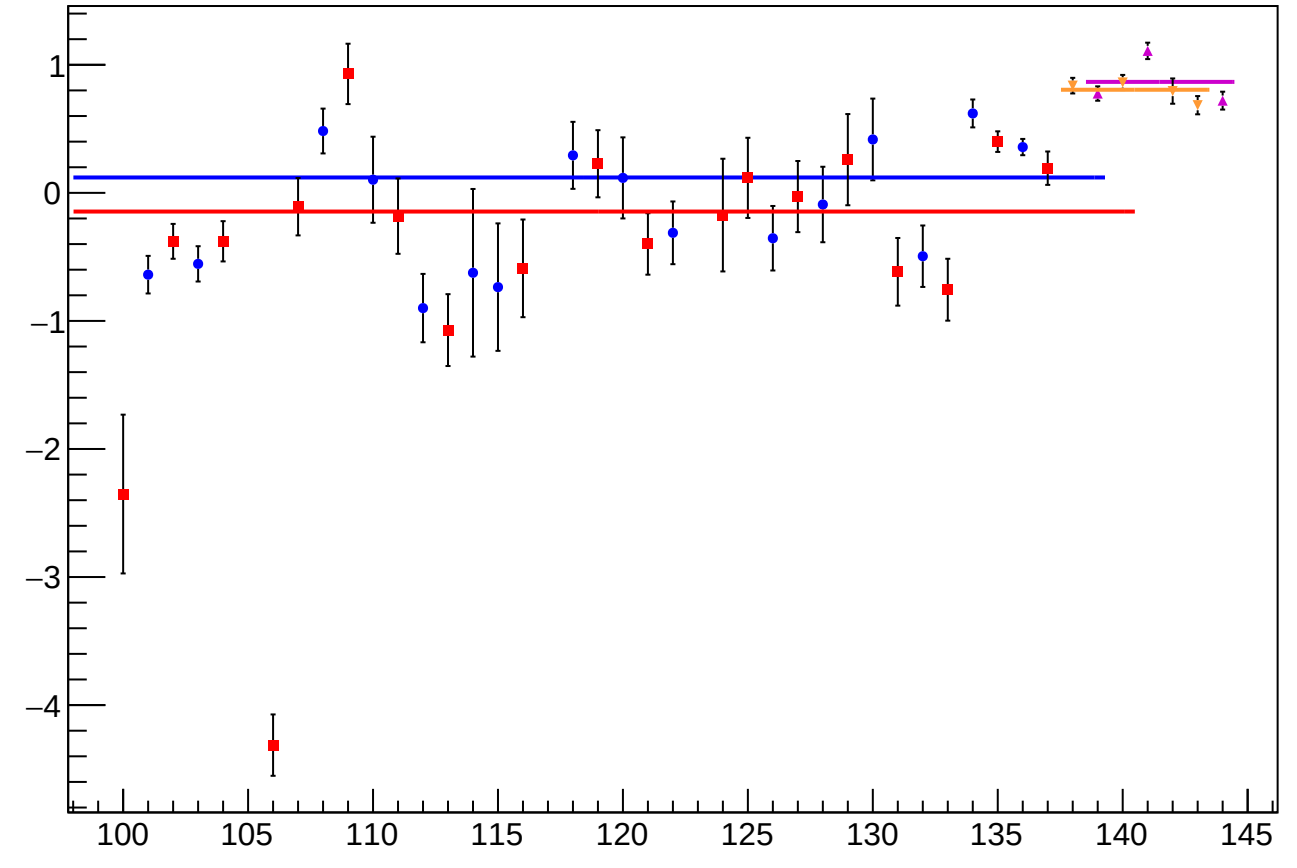
Left: -103.013+/-0.574 χ^2/NDF: 711.3/6

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -98.637+/-0.589 χ^2/NDF:1956.7/18

Out: -101.928+/-0.563 χ^2/NDF:1348.7/22

All: -100.359+/-0.407 χ^2/NDF: 3321.8/41



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.805+/-0.034 χ^2/NDF:4.1/3

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.867+/-0.036 χ^2/NDF:21.3/2

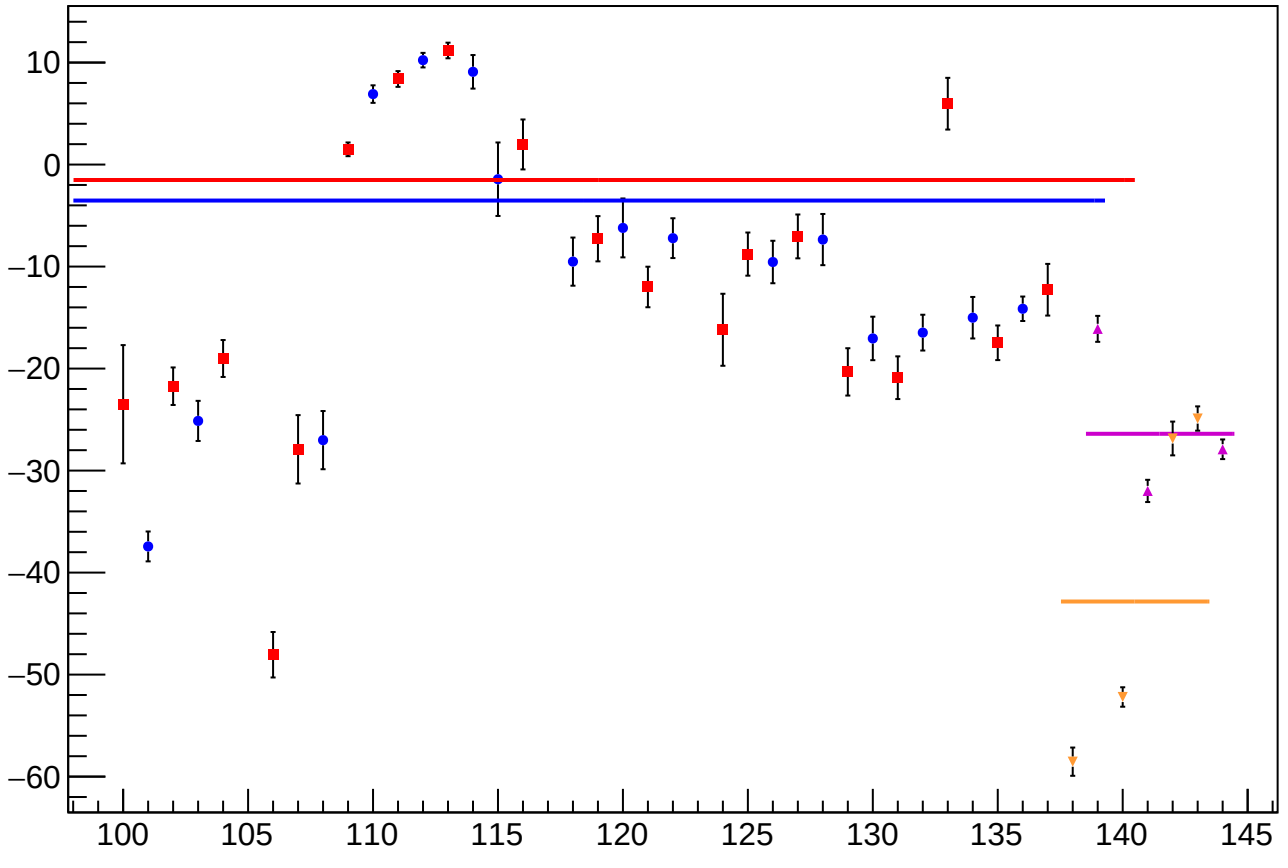
Left: 0.834+/-0.025 χ^2/NDF: 26.9/6

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.542+/-0.027 χ^2/NDF:330.5/18

Out: 0.456+/-0.027 χ^2/NDF:709.1/22

All: 0.499+/-0.019 χ^2/NDF: 1044.7/41



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -42.835+/-0.610 χ^2/NDF:545.1/3

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -26.393+/-0.628 χ^2/NDF:94.2/2

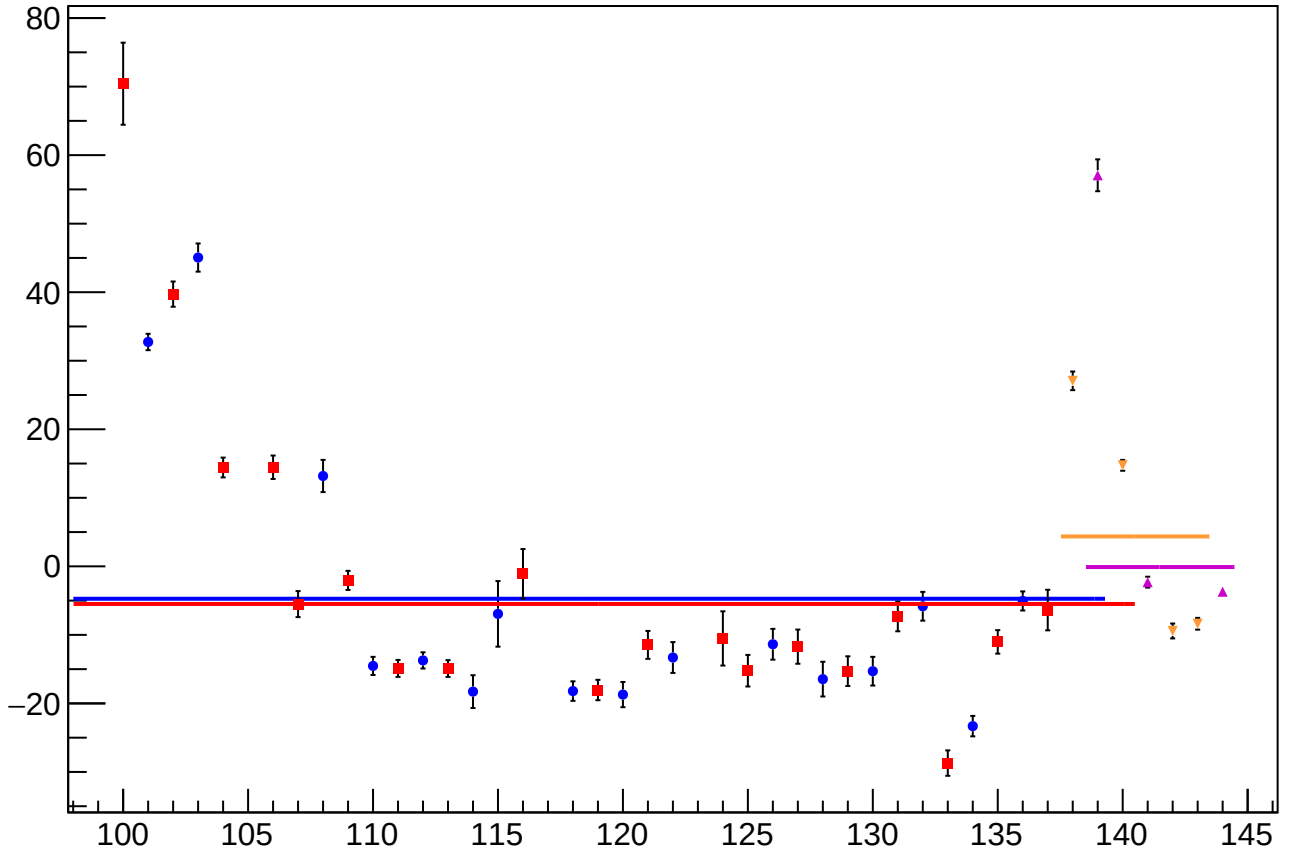
Left: -34.858+/-0.437 χ^2/NDF: 992.4/6

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.581+/-0.323 χ^2/NDF:2598.5/18

Out: -11.251+/-0.296 χ^2/NDF:5582.6/22

All: -10.489+/-0.218 χ^2/NDF: 8195.6/41



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 4.364+/-0.480 χ^2/NDF:832.4/3

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -0.102+/-0.517 χ^2/NDF:638.0/2

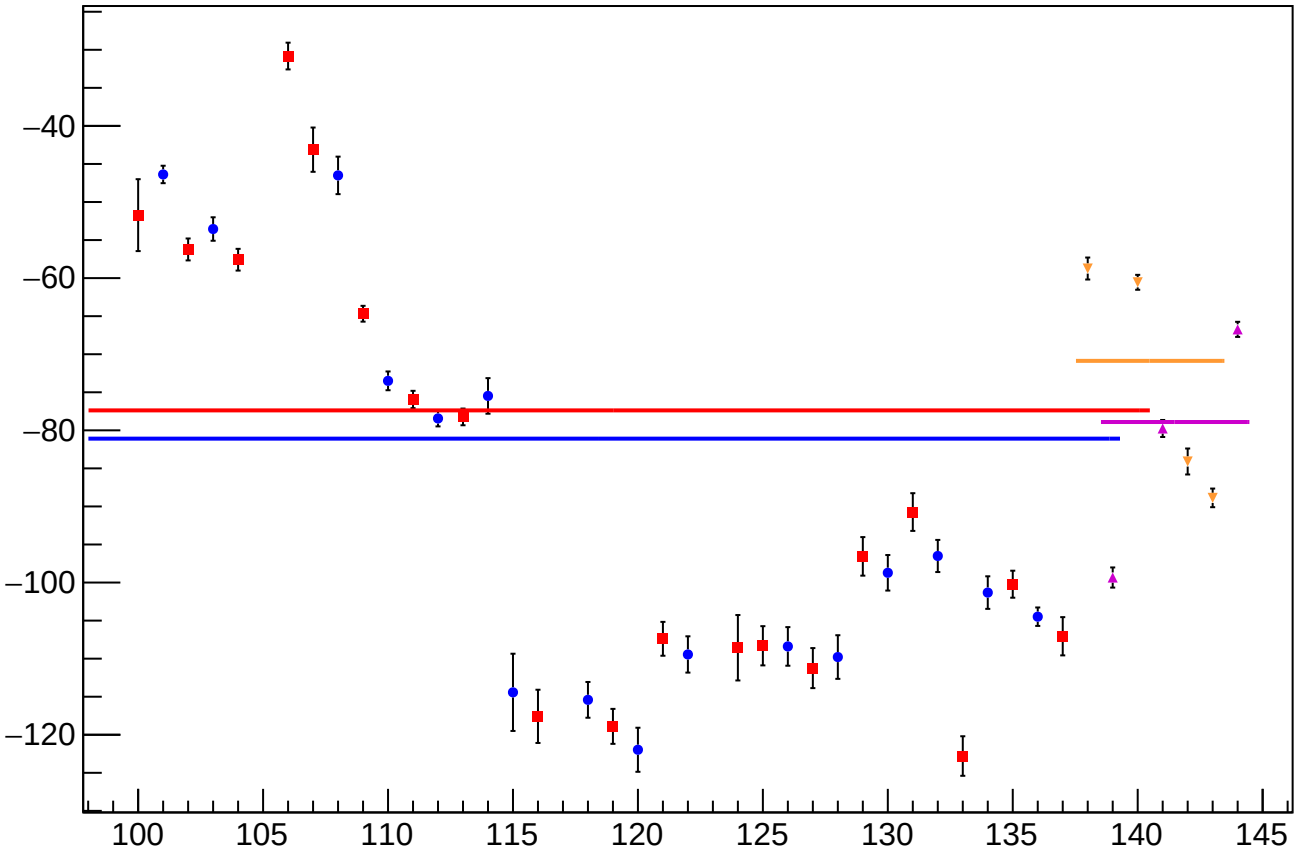
Left: 2.297+/-0.352 χ^2/NDF: 1510.4/6

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -2.833+/-0.331 χ^2/NDF:2833.2/18

Out: -1.192+/-0.317 χ^2/NDF:2578.7/22

All: -1.977+/-0.229 χ^2/NDF: 5424.8/41



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -70.872+/-0.629 χ^2/NDF:457.5/3

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -78.906+/-0.648 χ^2/NDF:388.9/2

Left: -74.770+/-0.451 χ^2/NDF: 925.6/6

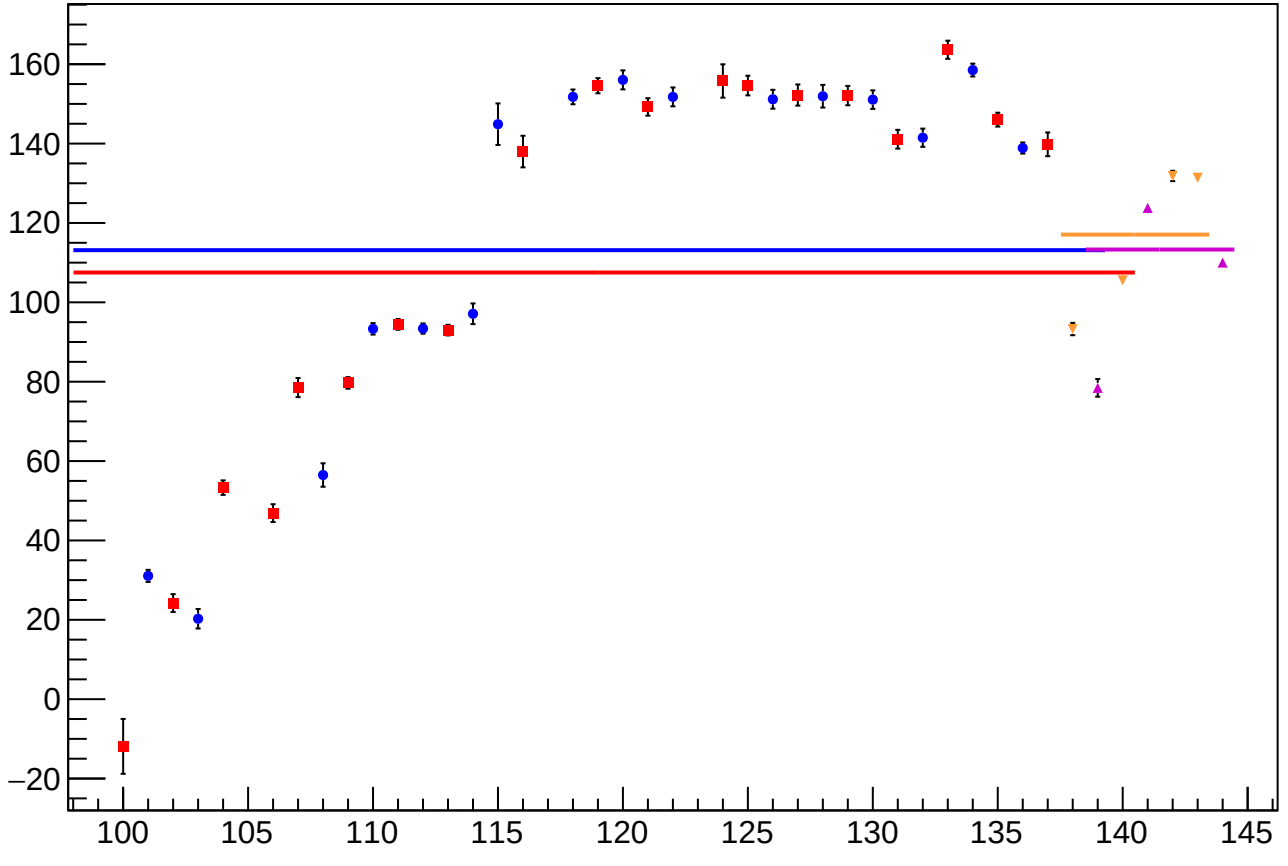
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -80.405+/-0.363 χ^2/NDF:3267.1/18

Out: -75.393+/-0.347 χ^2/NDF:3661.5/22

All: -77.789+/-0.251 χ^2/NDF: 7028.1/41

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: 117.060+/-0.570 χ^2/NDF:707.7/3

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 113.304+/-0.602 χ^2/NDF:382.4/2

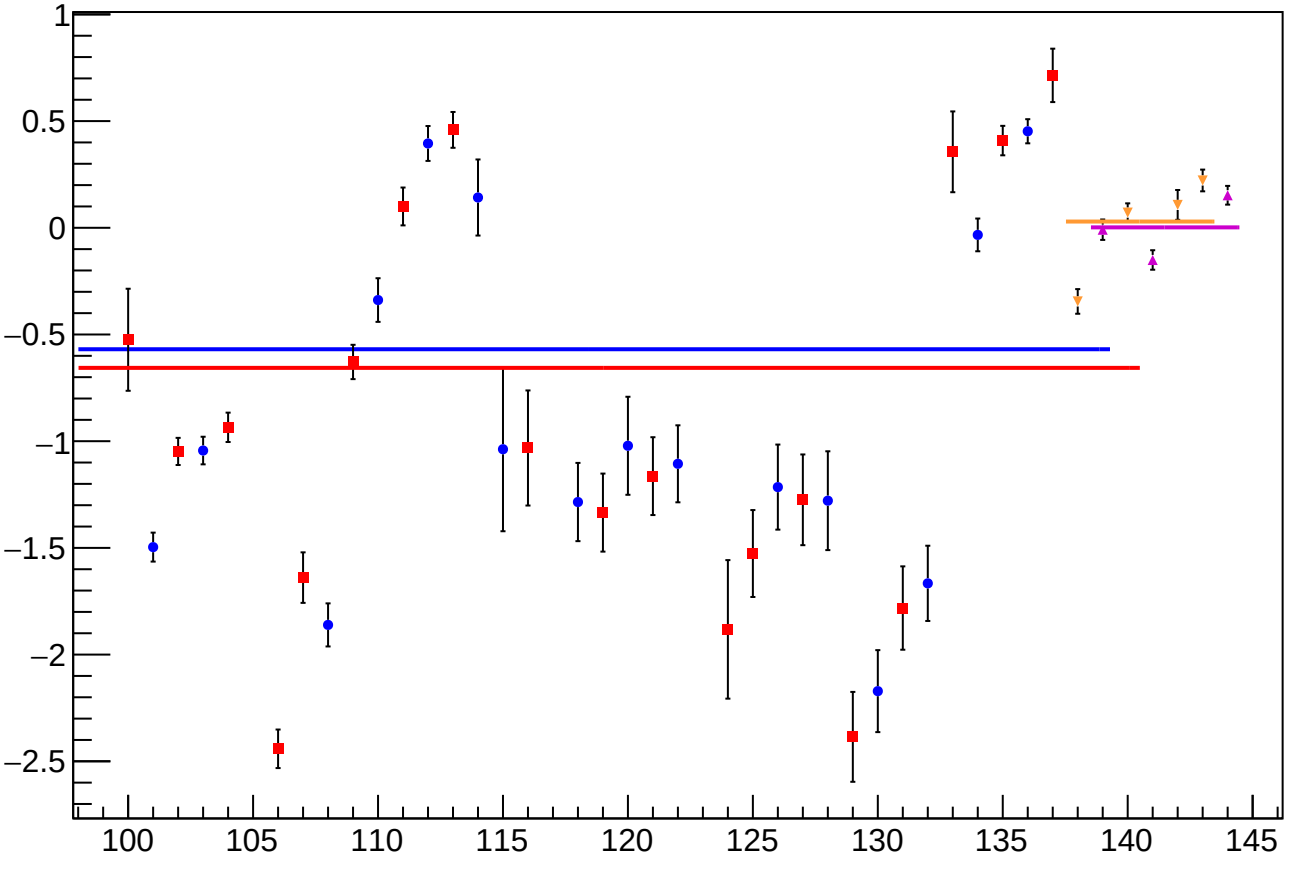
Left: 115.285+/-0.414 χ^2/NDF: 1110.7/6

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 113.207+/-0.380 χ^2/NDF:8586.6/18

Out: 111.468+/-0.367 χ^2/NDF:8415.9/22

All: 112.308+/-0.264 χ^2/NDF: 17013.4/41



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.029+/-0.027 χ^2/NDF:58.5/3

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: 0.002+/-0.026 χ^2/NDF:23.0/2

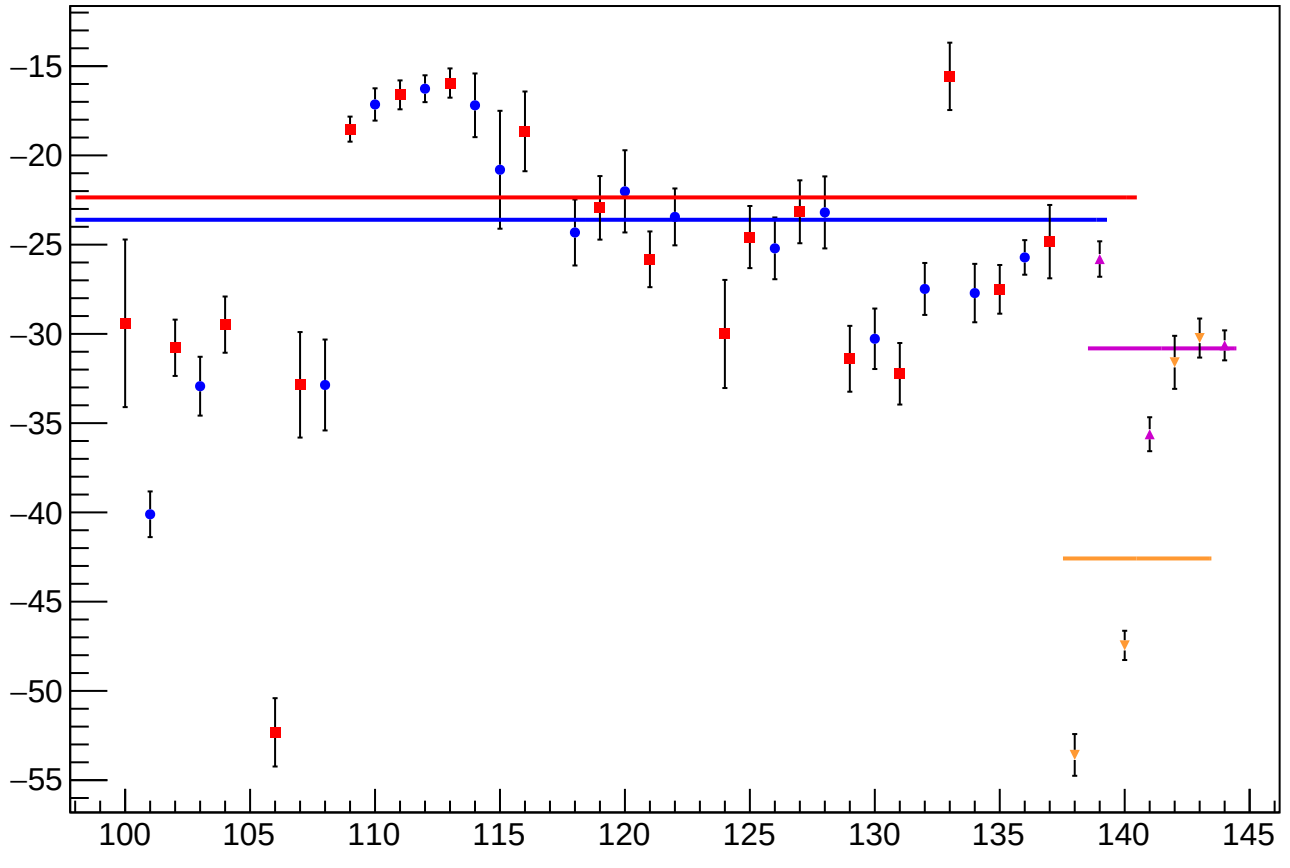
Left: 0.016+/-0.019 χ^2/NDF: 82.0/6

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.290+/-0.018 χ^2/NDF:1359.9/18

Out: -0.331+/-0.018 χ^2/NDF:1724.6/22

All: -0.311+/-0.013 χ^2/NDF: 3087.0/41



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -42.581+/-0.534 χ^2/NDF:306.1/3

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -30.812+/-0.532 χ^2/NDF:51.0/2

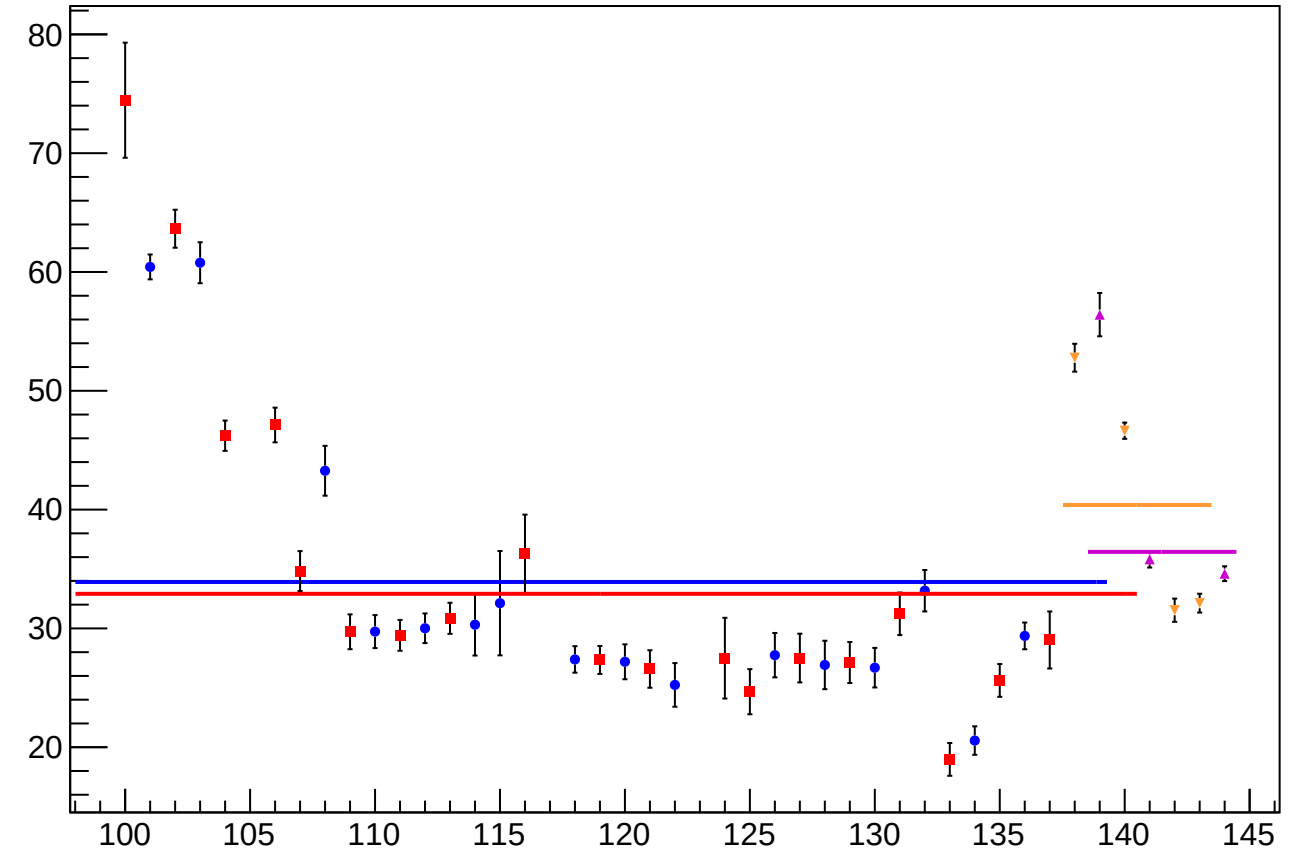
Left: -36.674+/-0.377 χ^2/NDF: 601.2/6

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.770+/-0.291 χ^2/NDF:585.9/18

Out: -27.746+/-0.276 χ^2/NDF:1911.2/22

All: -26.813+/-0.200 χ^2/NDF: 2521.4/41



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 40.386+/-0.426 χ^2/NDF:386.6/3

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 36.442+/-0.450 χ^2/NDF:129.6/2

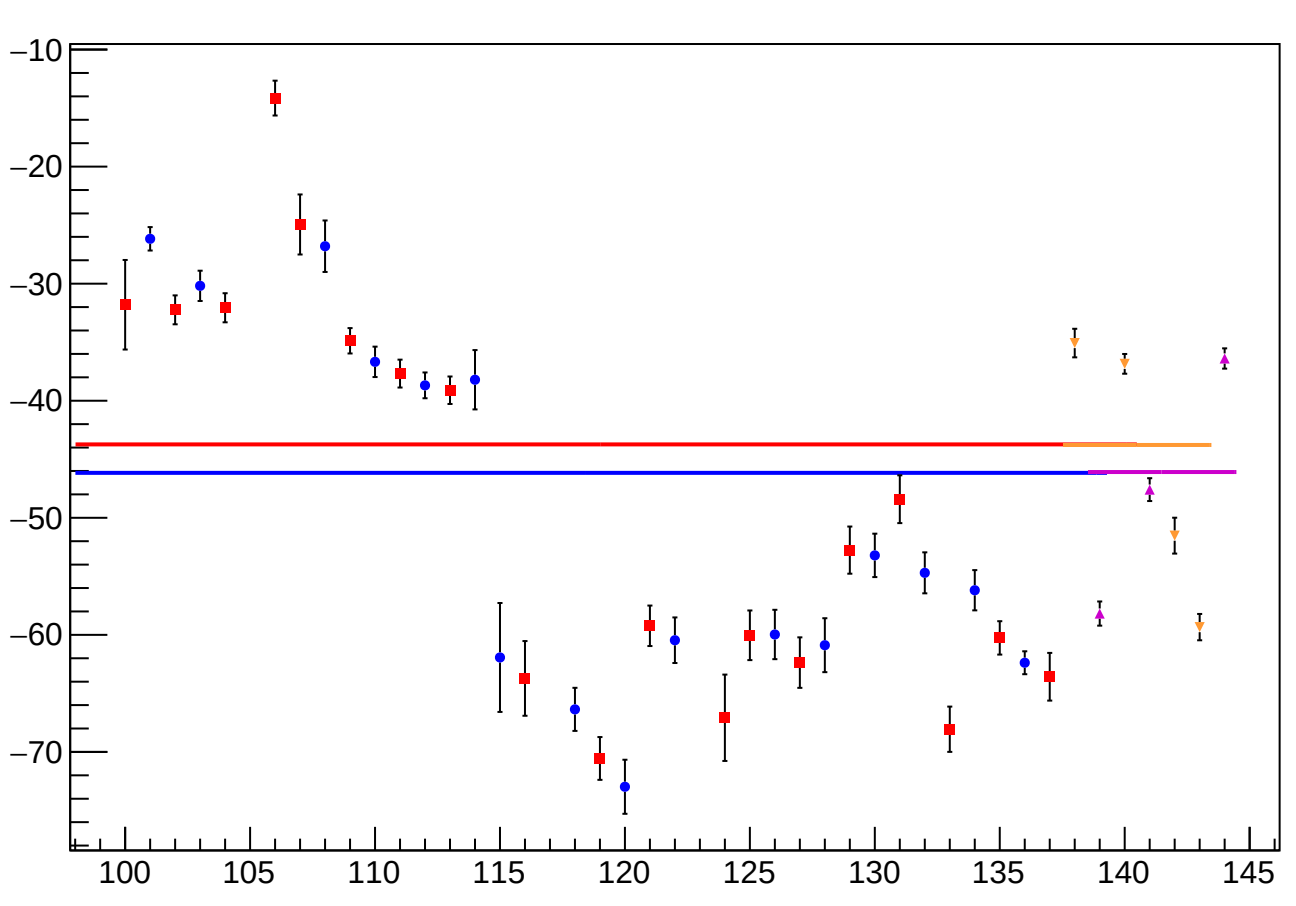
Left: 38.523+/-0.309 χ^2/NDF: 556.7/6

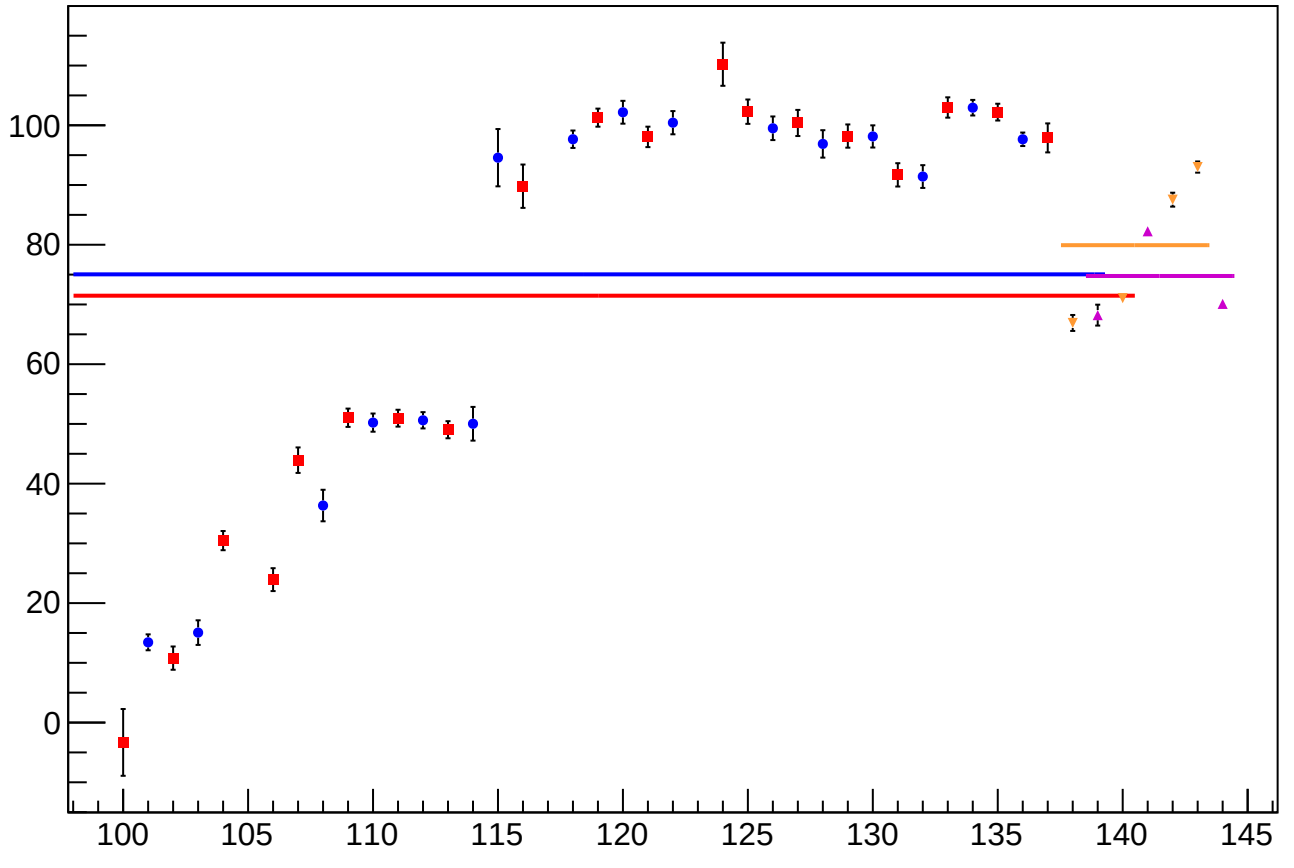
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 34.949+/-0.288 χ^2/NDF:1332.7/18

Out: 36.153+/-0.280 χ^2/NDF:1436.1/22

All: 35.568+/-0.201 χ^2/NDF: 2777.8/41


reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
105
110
115
120
125
130
135
140
145
Right In: -46.160+/-0.390 χ²/NDF: 1489.6/15
Left Out: -43.779+/-0.551 χ²/NDF:335.5/3
Right Out: -43.730+/-0.378 χ²/NDF: 1663.4/18
Left In: -46.091+/-0.549 χ²/NDF:264.9/2
Left: -44.939+/-0.389 χ²/NDF: 609.3/6
Right: -44.909+/-0.271 χ²/NDF: 3173.0/34
In: -46.137+/-0.318 χ²/NDF:1754.6/18
Out: -43.746+/-0.312 χ²/NDF:1998.9/22
All: -44.919+/-0.223 χ²/NDF: 3782.3/41



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.925+/-0.505 χ^2/NDF:449.8/3

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 74.768+/-0.522 χ^2/NDF:137.1/2

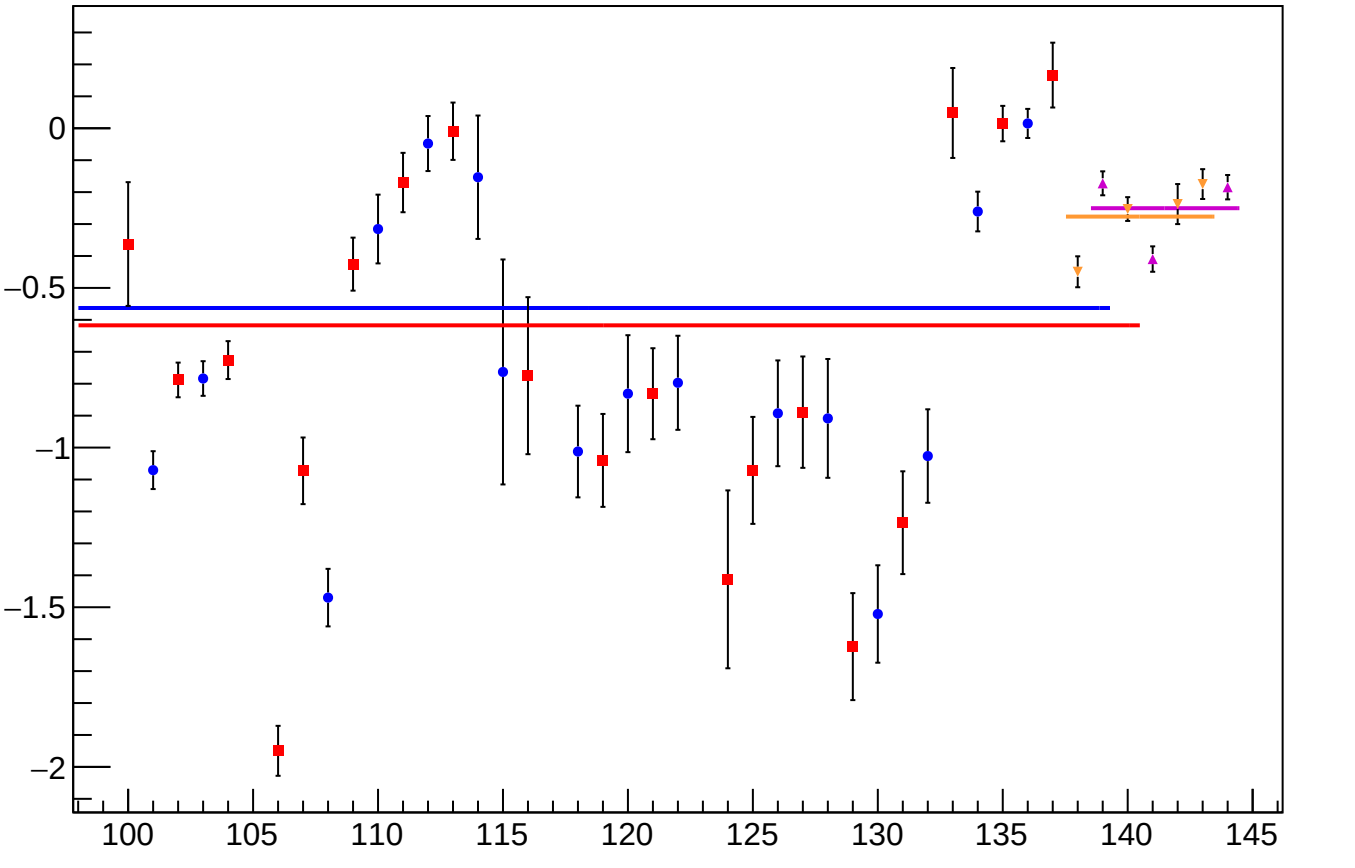
Left: 77.431+/-0.363 χ^2/NDF: 637.4/6

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.932+/-0.331 χ^2/NDF:5965.6/18

Out: 74.982+/-0.325 χ^2/NDF:6242.1/22

All: 74.958+/-0.232 χ^2/NDF: 12207.6/41



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.277+/-0.023 χ^2/NDF:18.3/3

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.250+/-0.022 χ^2/NDF:23.3/2

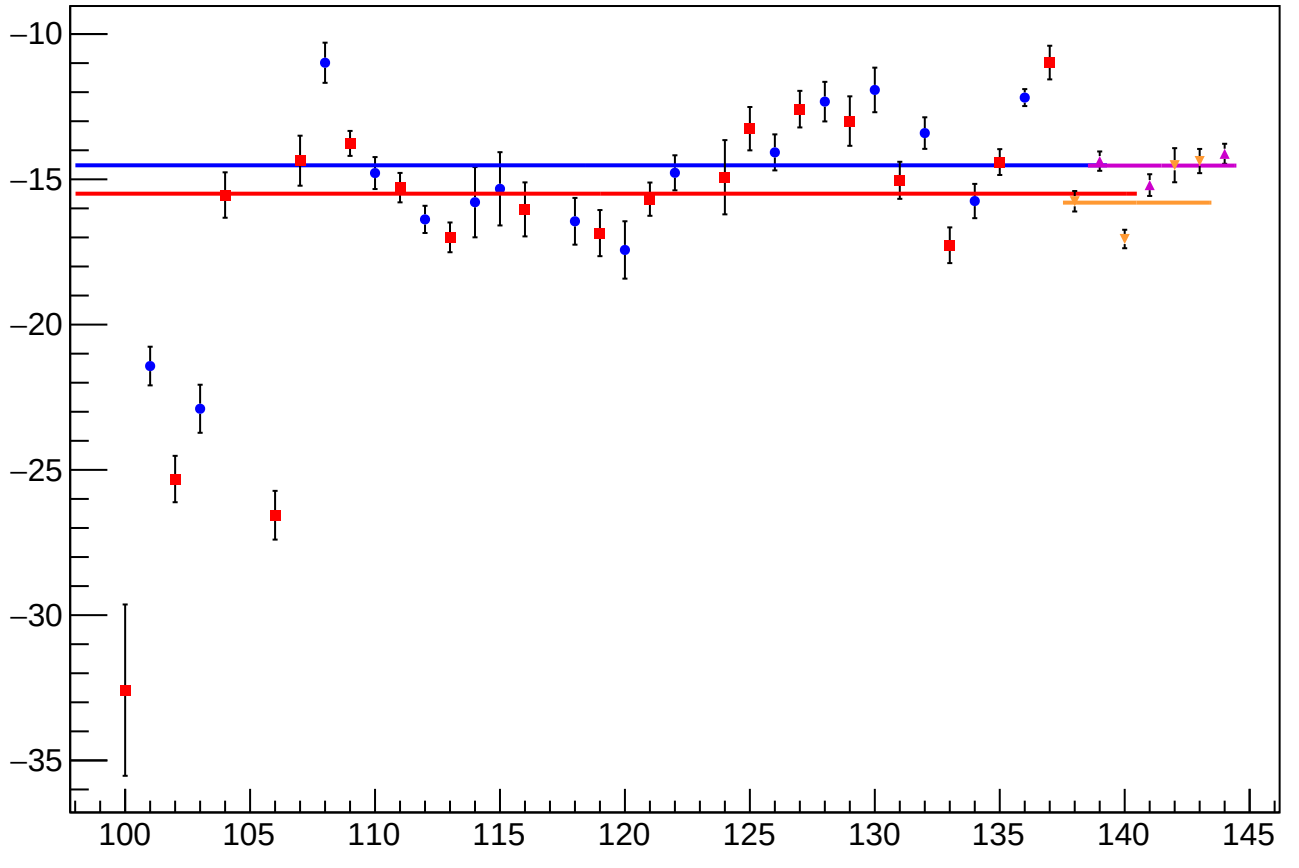
Left: -0.263+/-0.016 χ^2/NDF: 42.3/6

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.406+/-0.016 χ^2/NDF:615.3/18

Out: -0.454+/-0.016 χ^2/NDF:820.9/22

All: -0.430+/-0.011 χ^2/NDF: 1440.8/41



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.802+/-0.194 χ^2/NDF:32.1/3

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.527+/-0.202 χ^2/NDF:4.8/2

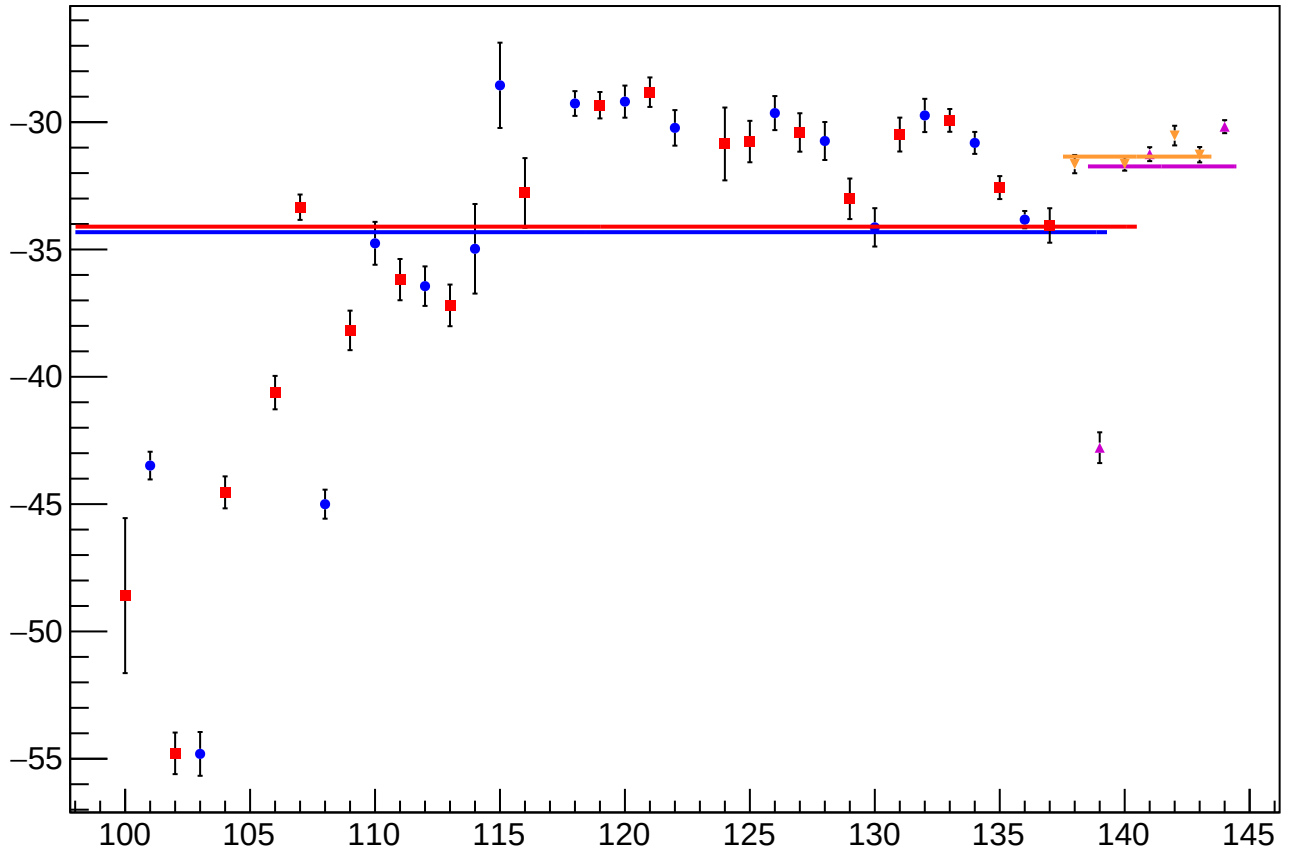
Left: -15.189+/-0.140 χ^2/NDF: 57.8/6

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.521+/-0.120 χ^2/NDF:368.2/18

Out: -15.609+/-0.119 χ^2/NDF:537.6/22

All: -15.072+/-0.084 χ^2/NDF: 947.3/41



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.353+/-0.159 χ^2/NDF:6.5/3

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.738+/-0.179 χ^2/NDF:374.5/2

Left: -31.523+/-0.119 χ^2/NDF: 383.5/6

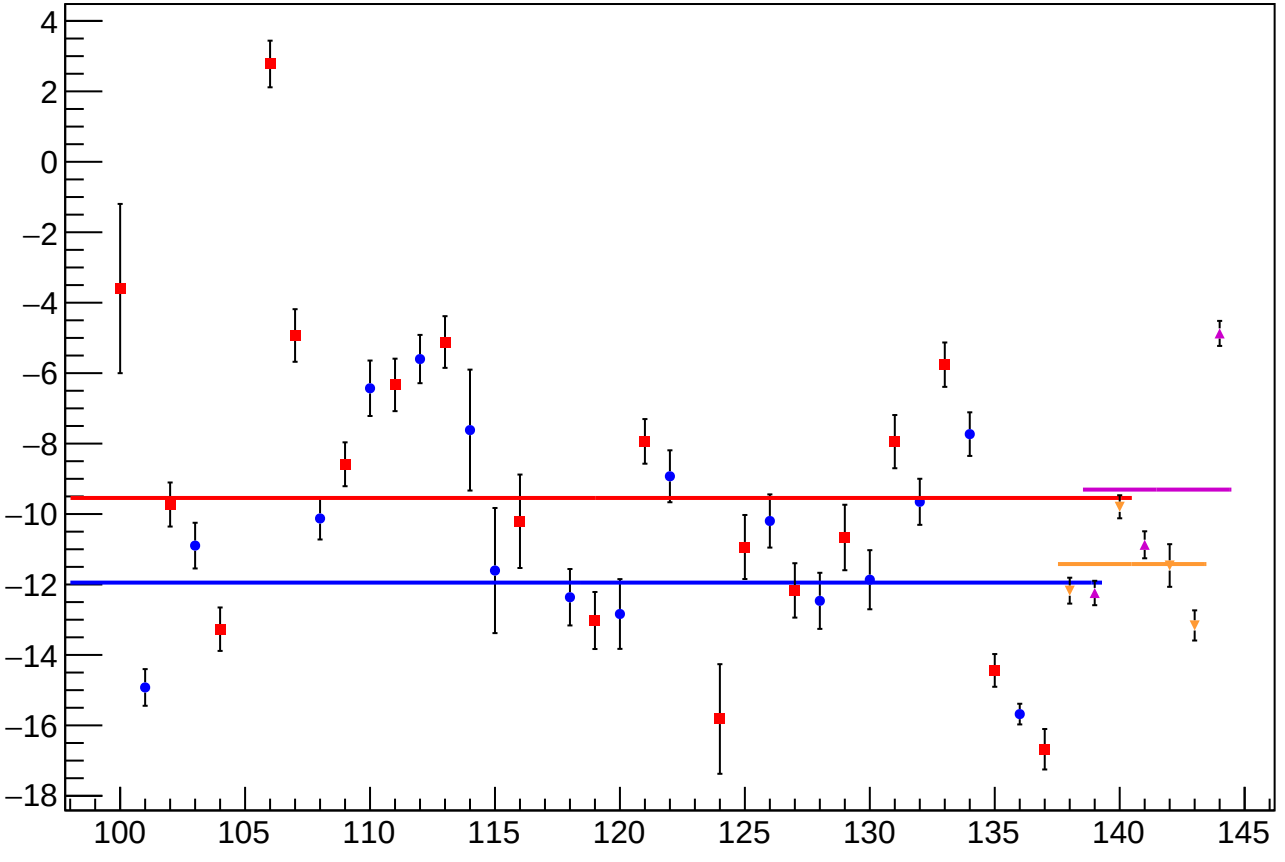
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.226+/-0.116 χ^2/NDF:2115.4/18

Out: -32.769+/-0.111 χ^2/NDF:1595.8/22

All: -32.986+/-0.080 χ^2/NDF: 3719.3/41

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: -11.420+/-0.200 χ^2/NDF:45.5/3

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.306+/-0.208 χ^2/NDF:244.2/2

Left: -10.404+/-0.144 χ^2/NDF: 343.2/6

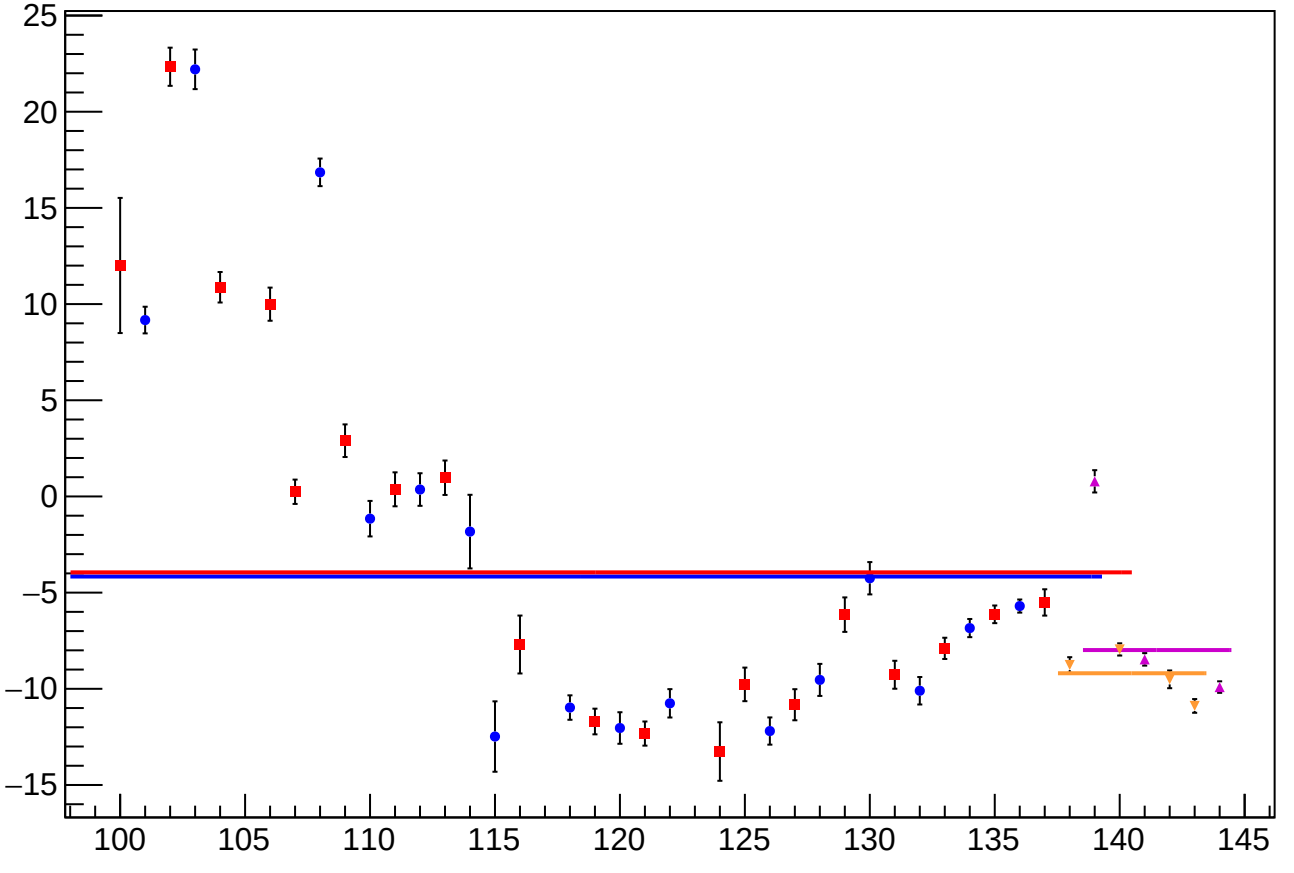
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.965+/-0.127 χ^2/NDF:775.2/18

Out: -10.303+/-0.127 χ^2/NDF:944.8/22

All: -10.635+/-0.090 χ^2/NDF: 1733.6/41

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: -9.192+/-0.187 χ^2/NDF:39.4/3

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.985+/-0.206 χ^2/NDF:272.4/2

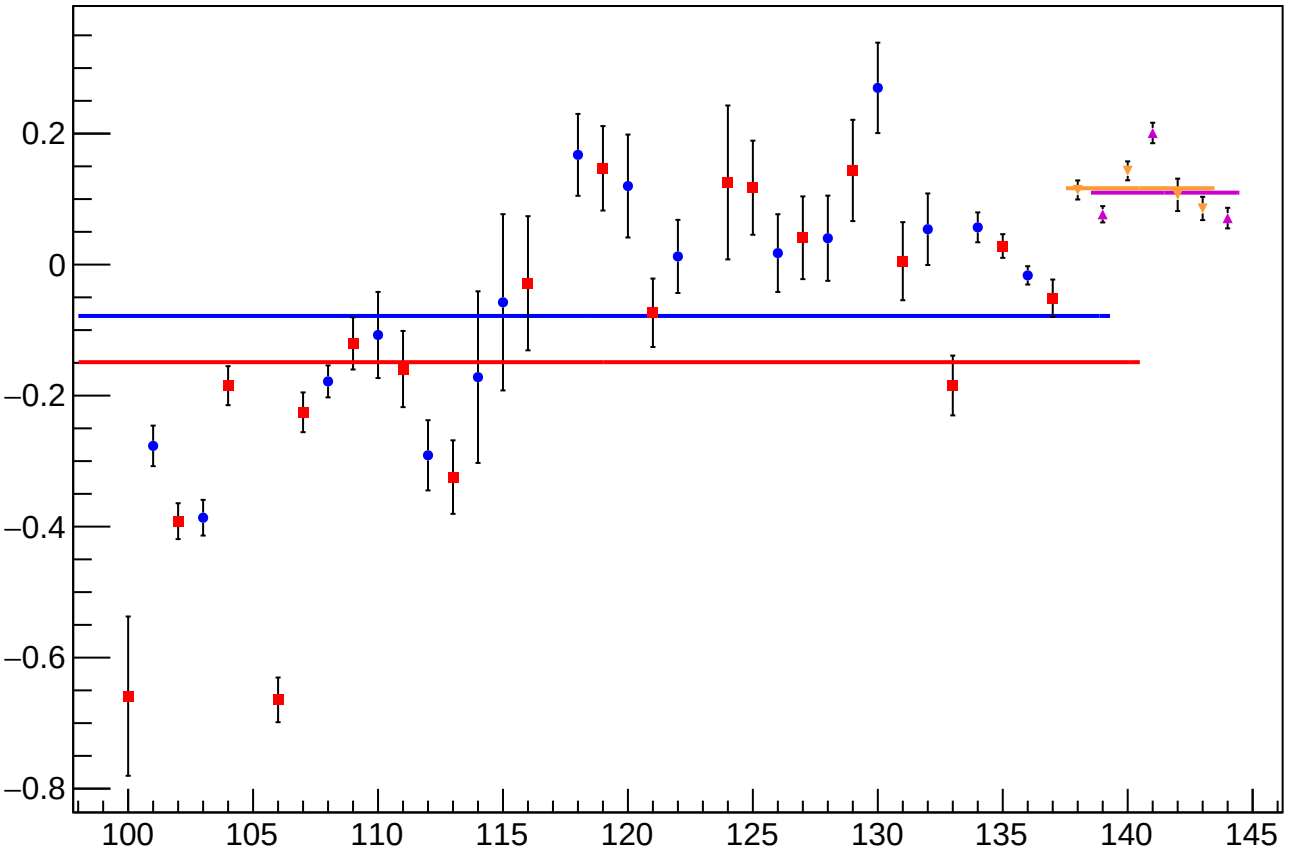
Left: -8.645+/-0.139 χ^2/NDF: 330.6/6

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.734+/-0.132 χ^2/NDF:3000.6/18

Out: -6.405+/-0.128 χ^2/NDF:2565.7/22

All: -6.079+/-0.092 χ^2/NDF: 5579.6/41



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.117+/-0.008 χ^2/NDF:6.6/3

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.110+/-0.008 χ^2/NDF:47.1/2

Left: 0.113+/-0.006 χ^2/NDF: 54.0/6

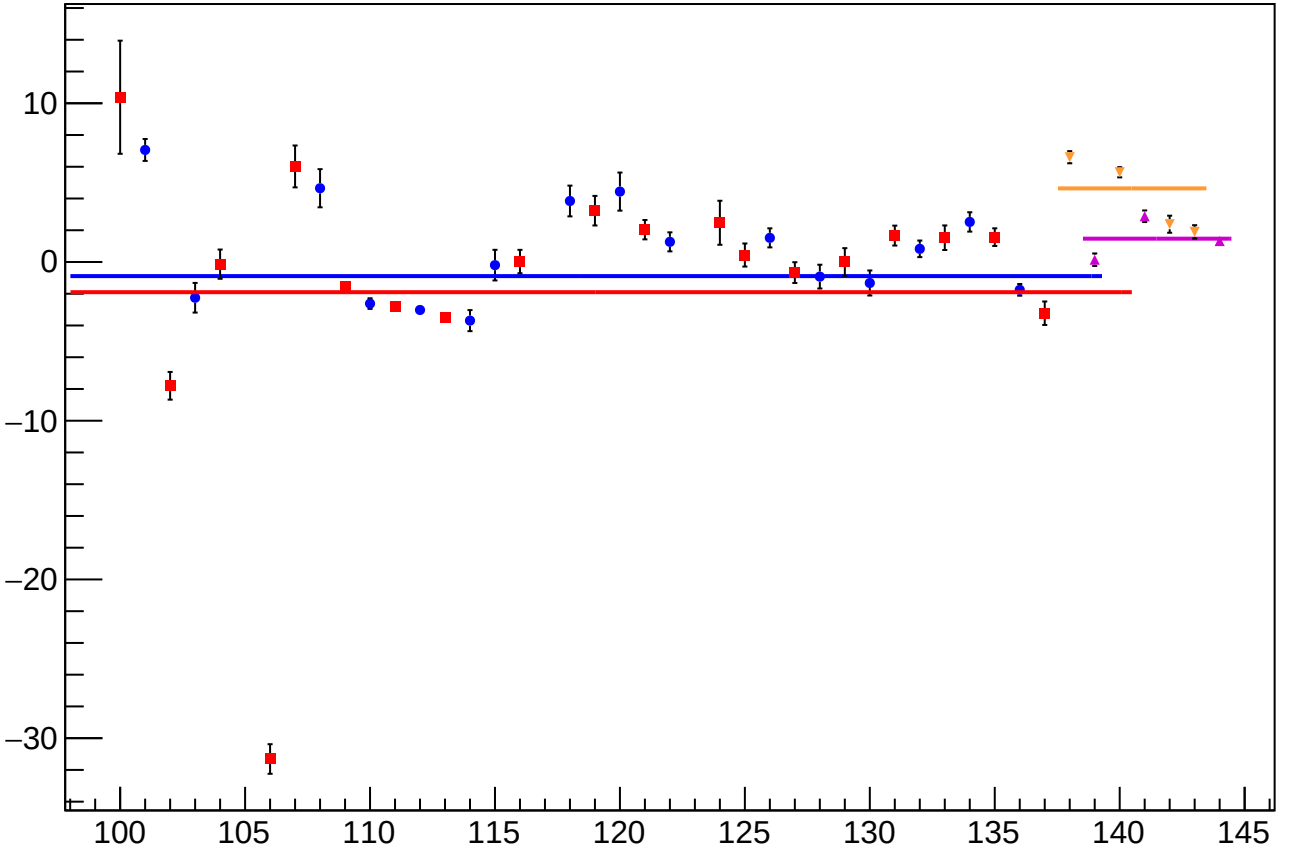
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.019+/-0.006 χ^2/NDF:615.7/18

Out: -0.005+/-0.006 χ^2/NDF:994.6/22

All: 0.007+/-0.004 χ^2/NDF: 1618.4/41

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 4.637+/-0.198 χ^2/NDF:96.3/3

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.469+/-0.190 χ^2/NDF:26.6/2

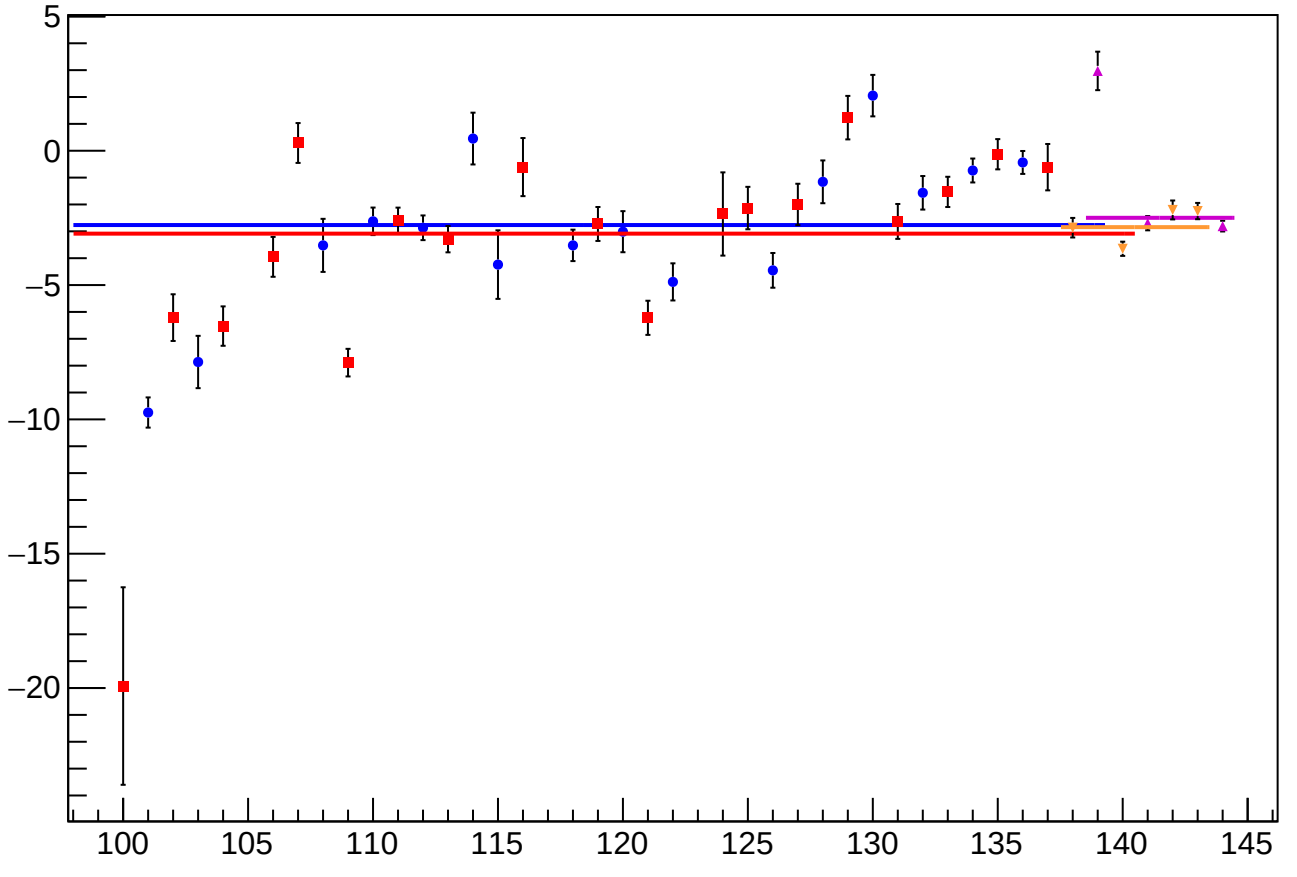
Left: 2.990+/-0.137 χ^2/NDF: 256.6/6

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.085+/-0.111 χ^2/NDF:508.5/18

Out: 0.039+/-0.108 χ^2/NDF:2198.7/22

All: -0.021+/-0.077 χ^2/NDF: 2707.9/41



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.844+/-0.157 χ^2/NDF:16.5/3

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -2.497+/-0.155 χ^2/NDF:61.2/2

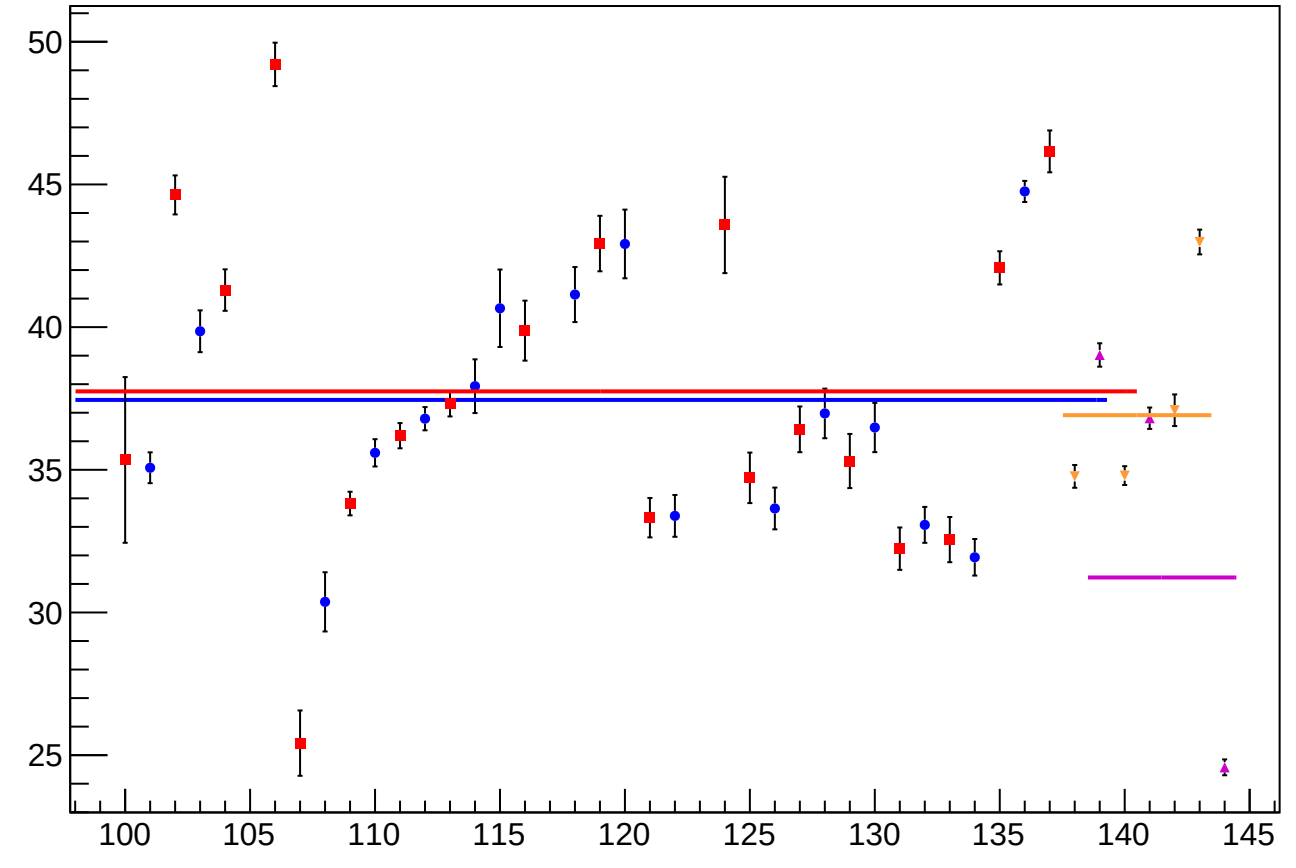
Left: -2.669+/-0.110 χ^2/NDF: 80.2/6

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.631+/-0.110 χ^2/NDF:372.8/18

Out: -2.964+/-0.111 χ^2/NDF:290.1/22

All: -2.796+/-0.078 χ^2/NDF: 667.5/41



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 36.915+/-0.204 χ^2/NDF:266.4/3

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.226+/-0.196 χ^2/NDF:1158.0/2

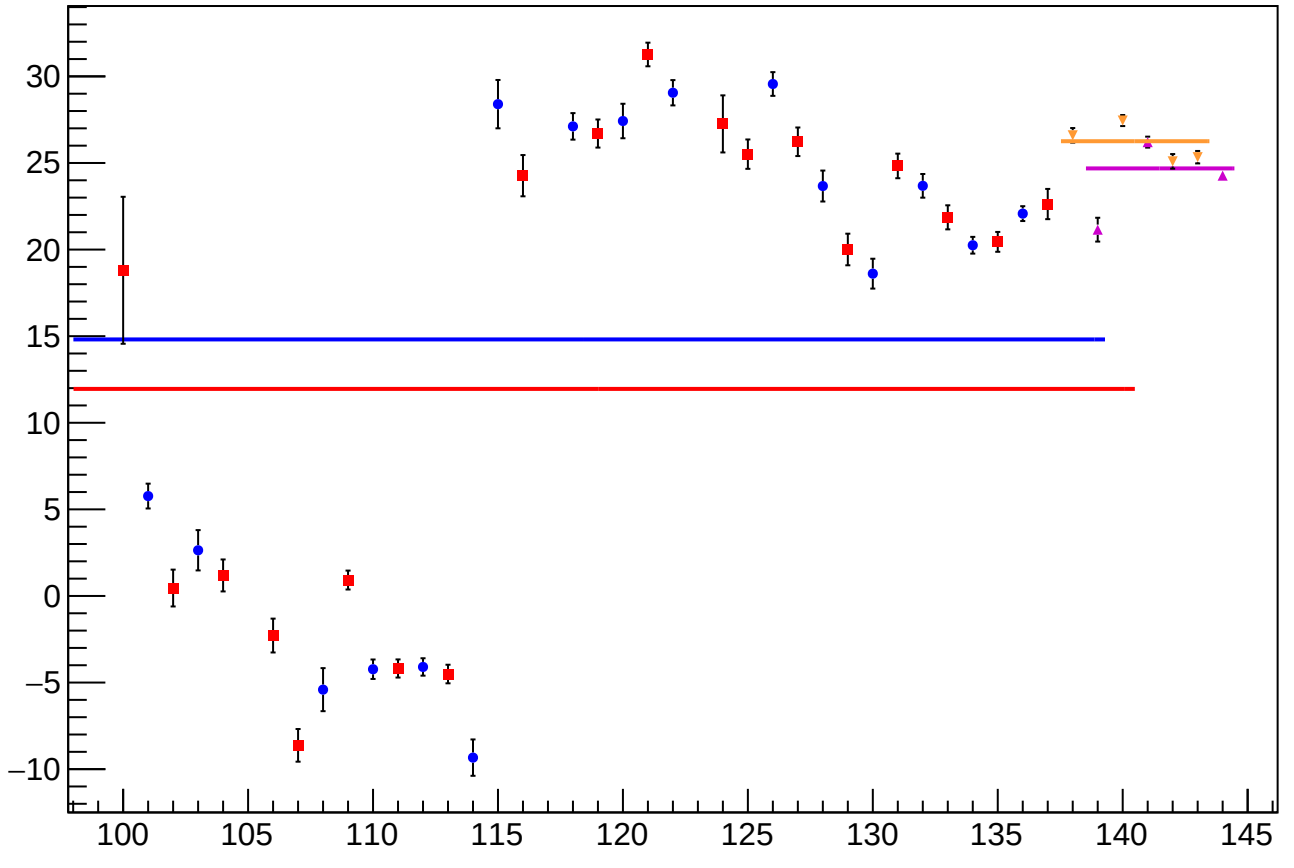
Left: 33.957+/-0.141 χ^2/NDF: 1828.8/6

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 34.946+/-0.124 χ^2/NDF:2467.8/18

Out: 37.432+/-0.126 χ^2/NDF:1240.4/22

All: 36.176+/-0.088 χ^2/NDF: 3906.2/41



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 26.257+/-0.186 χ^2/NDF:28.9/3

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 24.686+/-0.181 χ^2/NDF:52.6/2

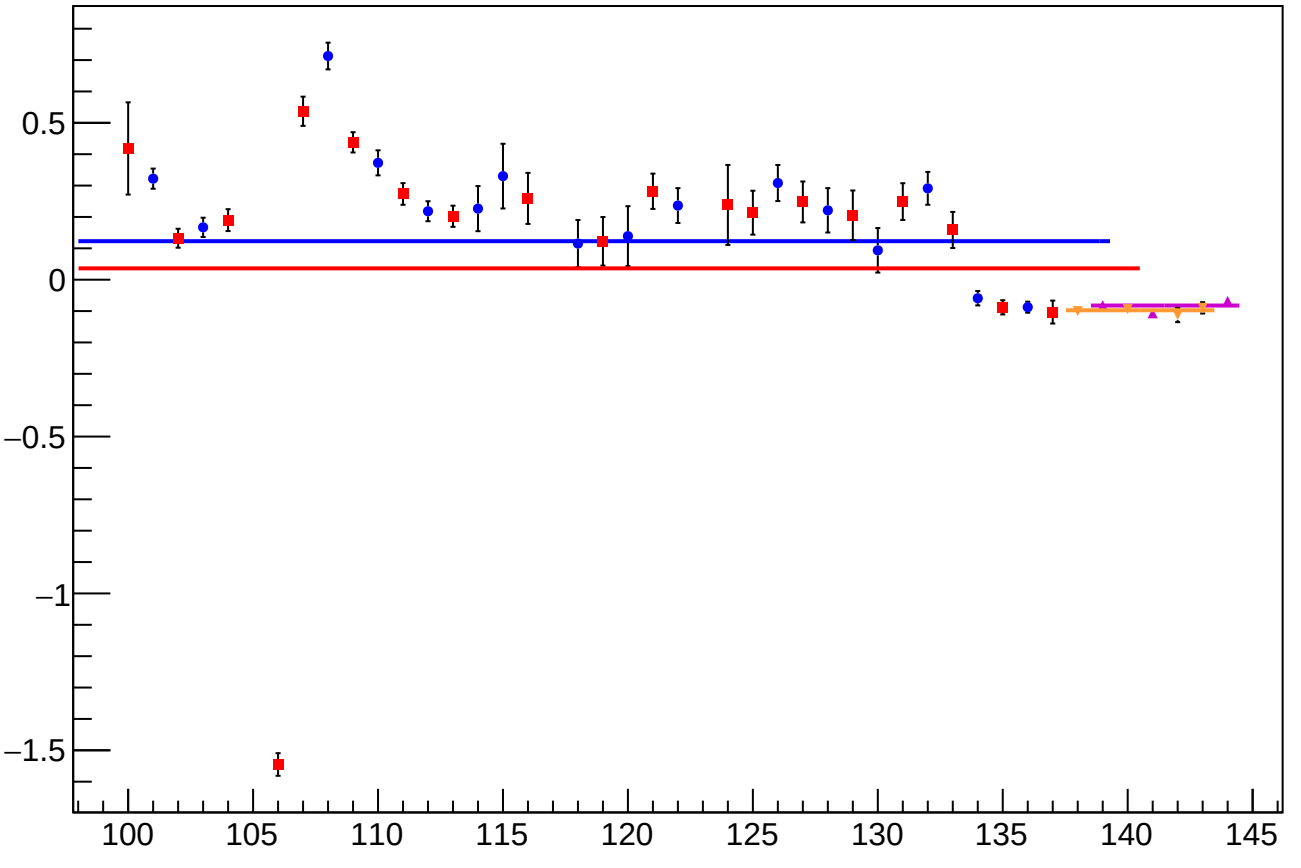
Left: 25.450+/-0.130 χ^2/NDF: 118.1/6

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 19.548+/-0.125 χ^2/NDF:7285.8/18

Out: 18.738+/-0.128 χ^2/NDF:9237.1/22

All: 19.152+/-0.090 χ^2/NDF: 16543.2/41



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.097+/-0.009 χ^2/NDF:0.7/3

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.082+/-0.008 χ^2/NDF:4.1/2

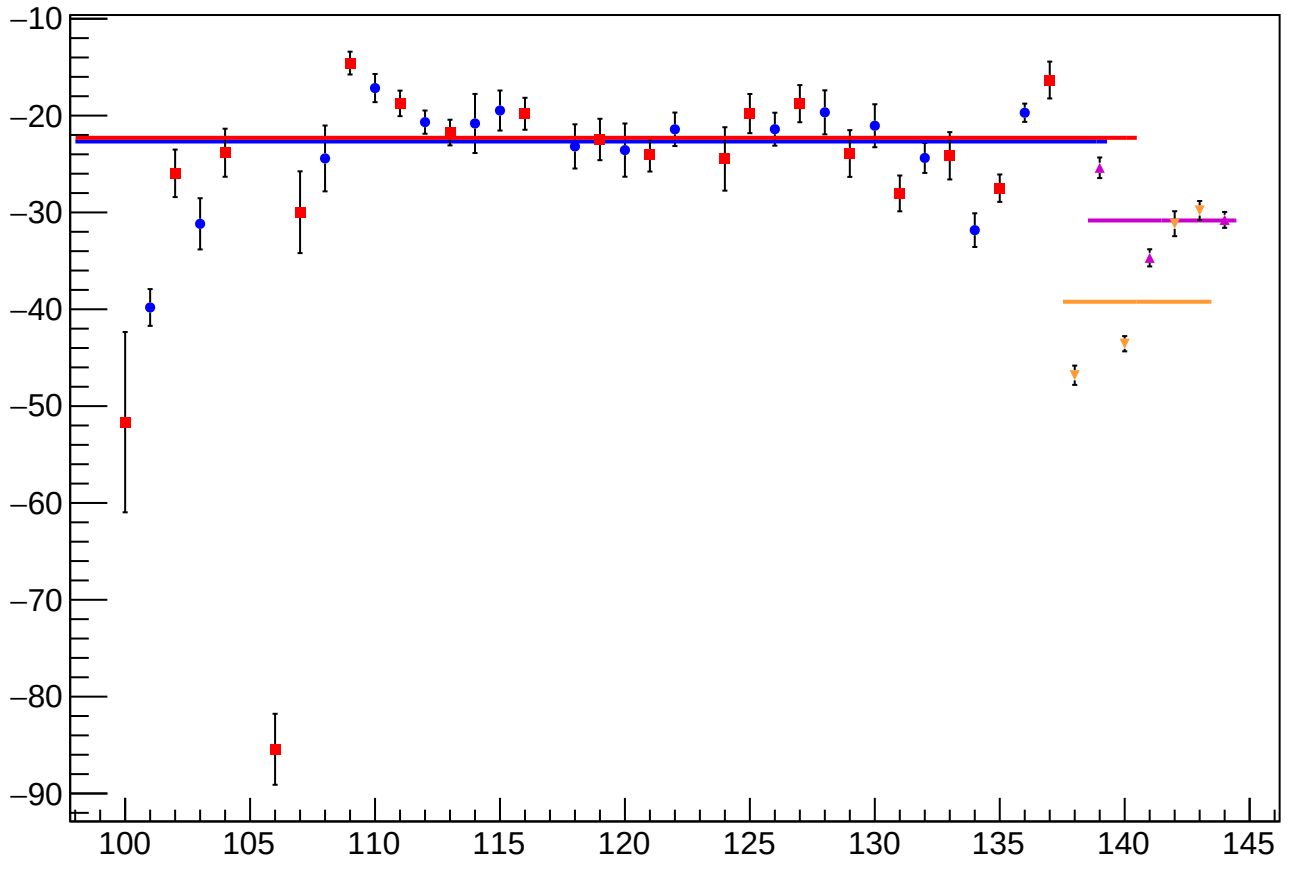
Left: -0.089+/-0.006 χ^2/NDF: 6.4/6

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: 0.004+/-0.006 χ^2/NDF:799.5/18

Out: -0.039+/-0.006 χ^2/NDF:2520.7/22

All: -0.016+/-0.004 χ^2/NDF: 3343.7/41



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -39.222+/-0.484 χ^2/NDF:219.9/3

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -30.831+/-0.524 χ^2/NDF:45.1/2

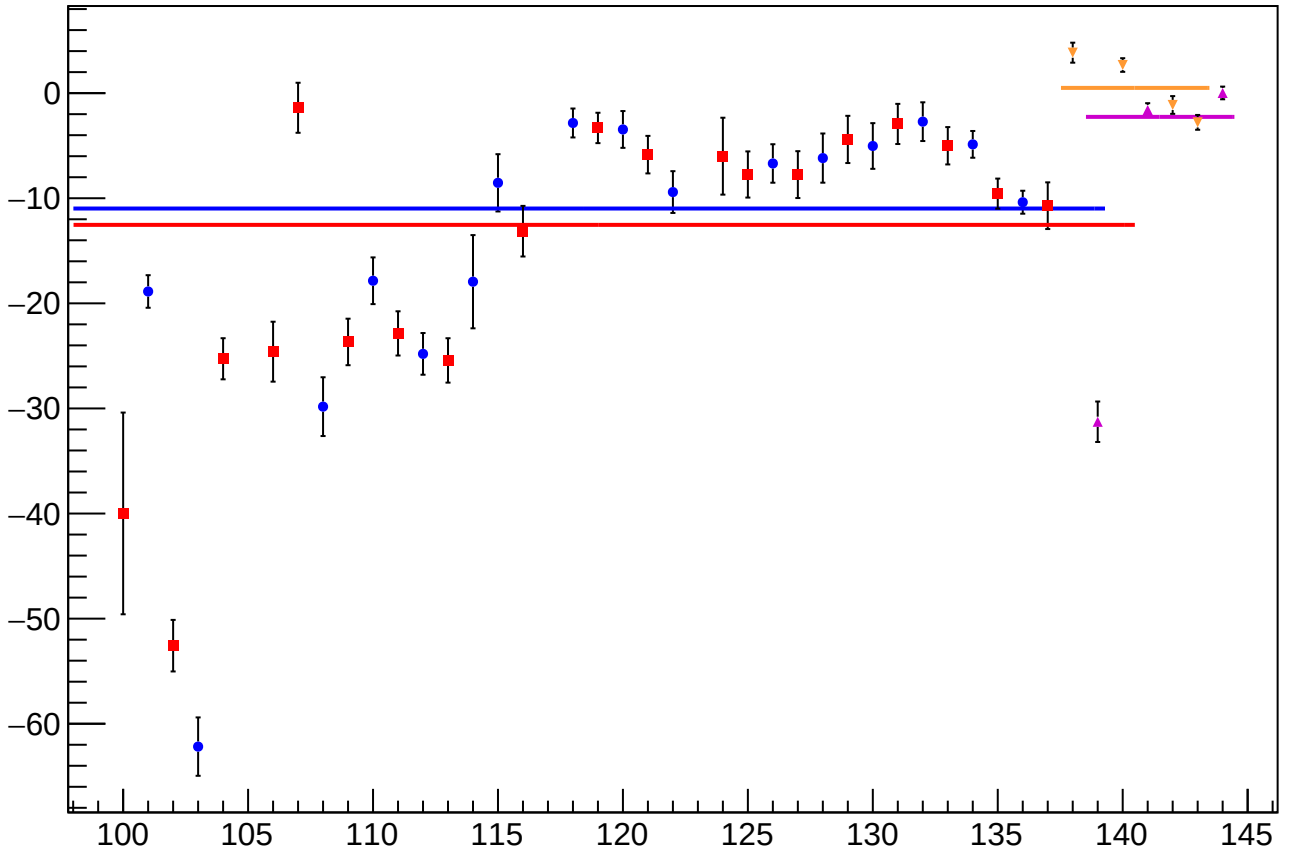
Left: -35.357+/-0.356 χ^2/NDF: 403.4/6

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -25.998+/-0.334 χ^2/NDF:343.1/18

Out: -29.858+/-0.324 χ^2/NDF:1301.4/22

All: -27.991+/-0.233 χ^2/NDF: 1713.3/41



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 0.500+/-0.381 χ^2/NDF:49.0/3

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.258+/-0.430 χ^2/NDF:242.2/2

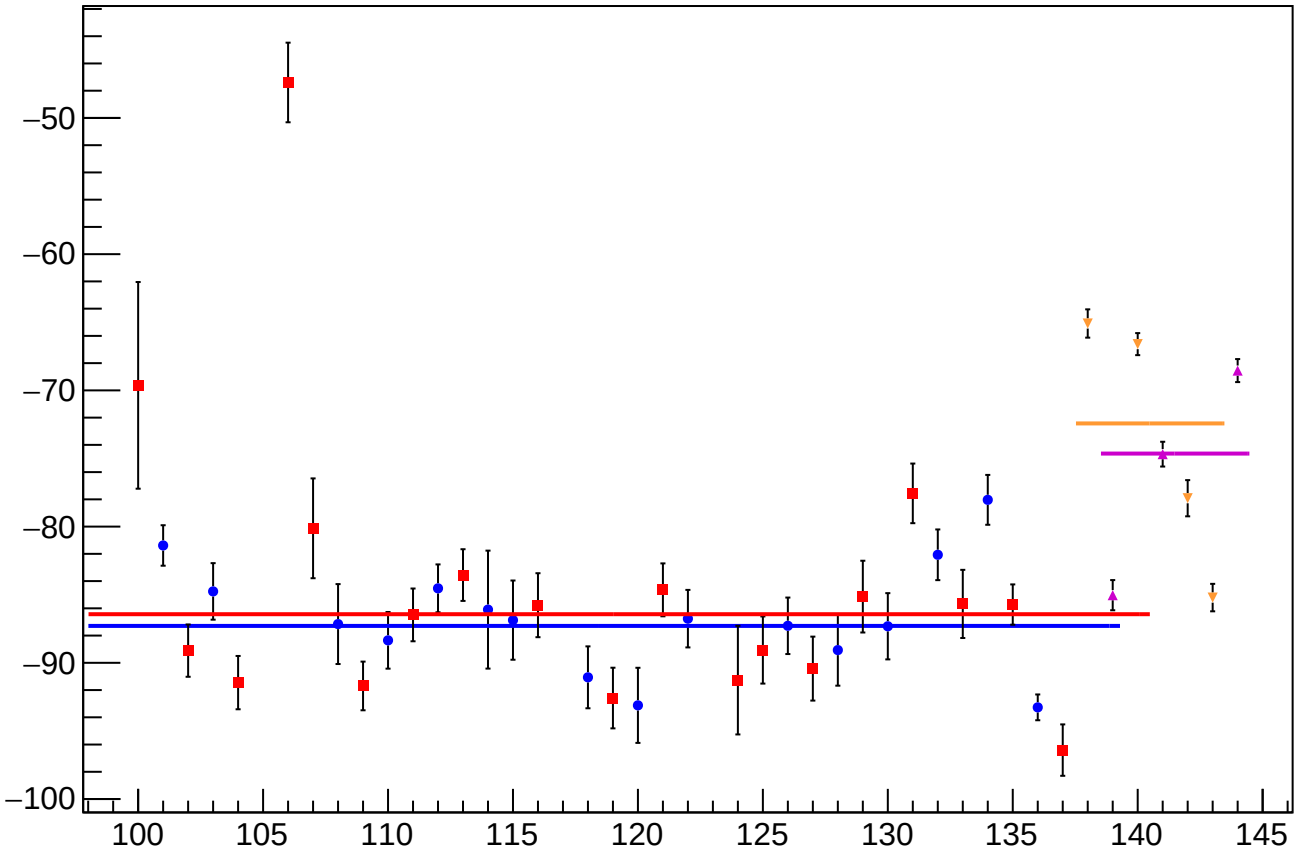
Left: -0.713+/-0.285 χ^2/NDF: 314.2/6

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -6.385+/-0.312 χ^2/NDF:1024.4/18

Out: -4.520+/-0.299 χ^2/NDF:1072.5/22

All: -5.412+/-0.216 χ^2/NDF: 2115.5/41



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.426+/-0.500 χ^2/NDF:279.6/3

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -74.639+/-0.540 χ^2/NDF:140.1/2

Left: -73.446+/-0.367 χ^2/NDF: 428.7/6

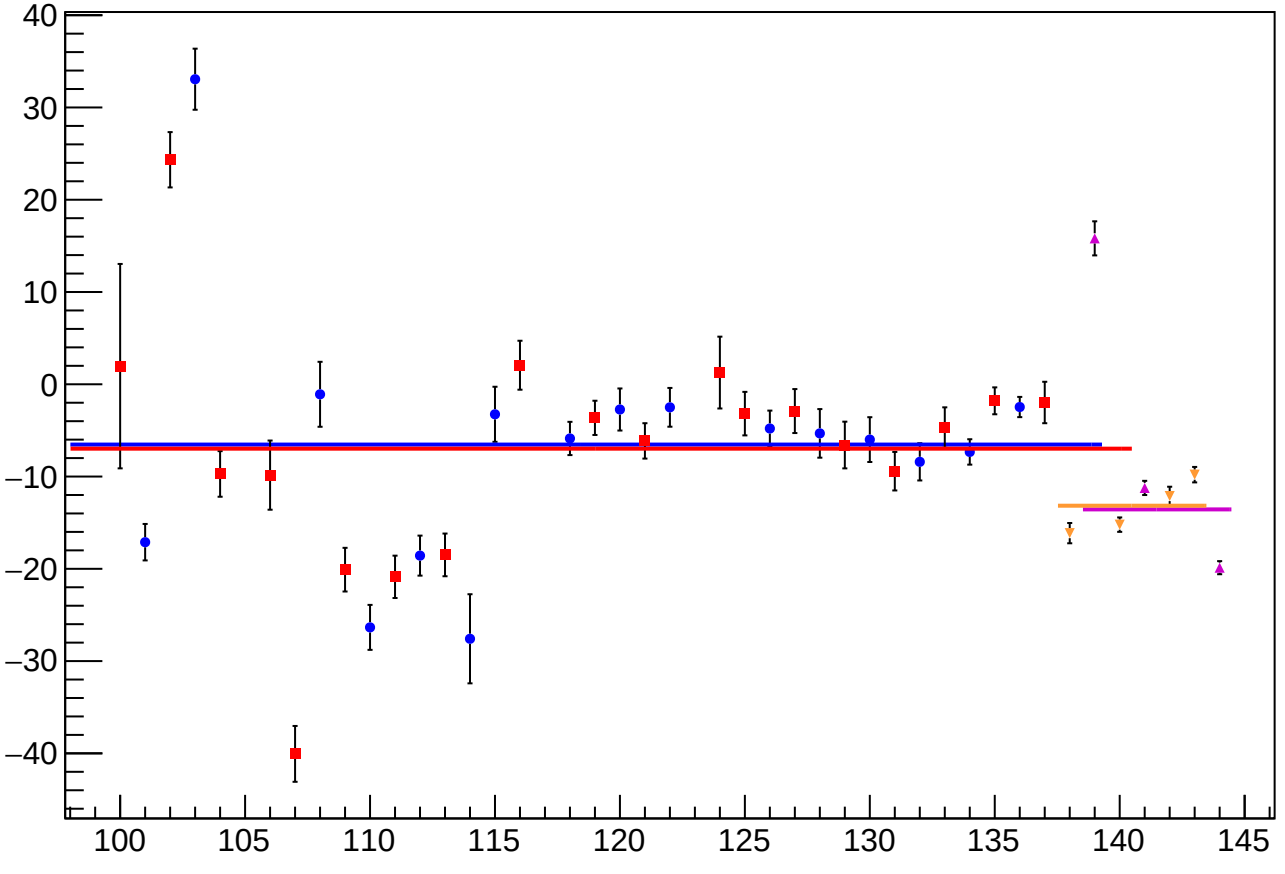
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -81.704+/-0.359 χ^2/NDF:547.3/18

Out: -79.342+/-0.356 χ^2/NDF:932.3/22

All: -80.511+/-0.253 χ^2/NDF: 1501.5/41

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.161+/-0.453 χ^2/NDF:31.4/3

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -13.561+/-0.502 χ^2/NDF:341.3/2

Left: -13.340+/-0.336 χ^2/NDF: 373.1/6

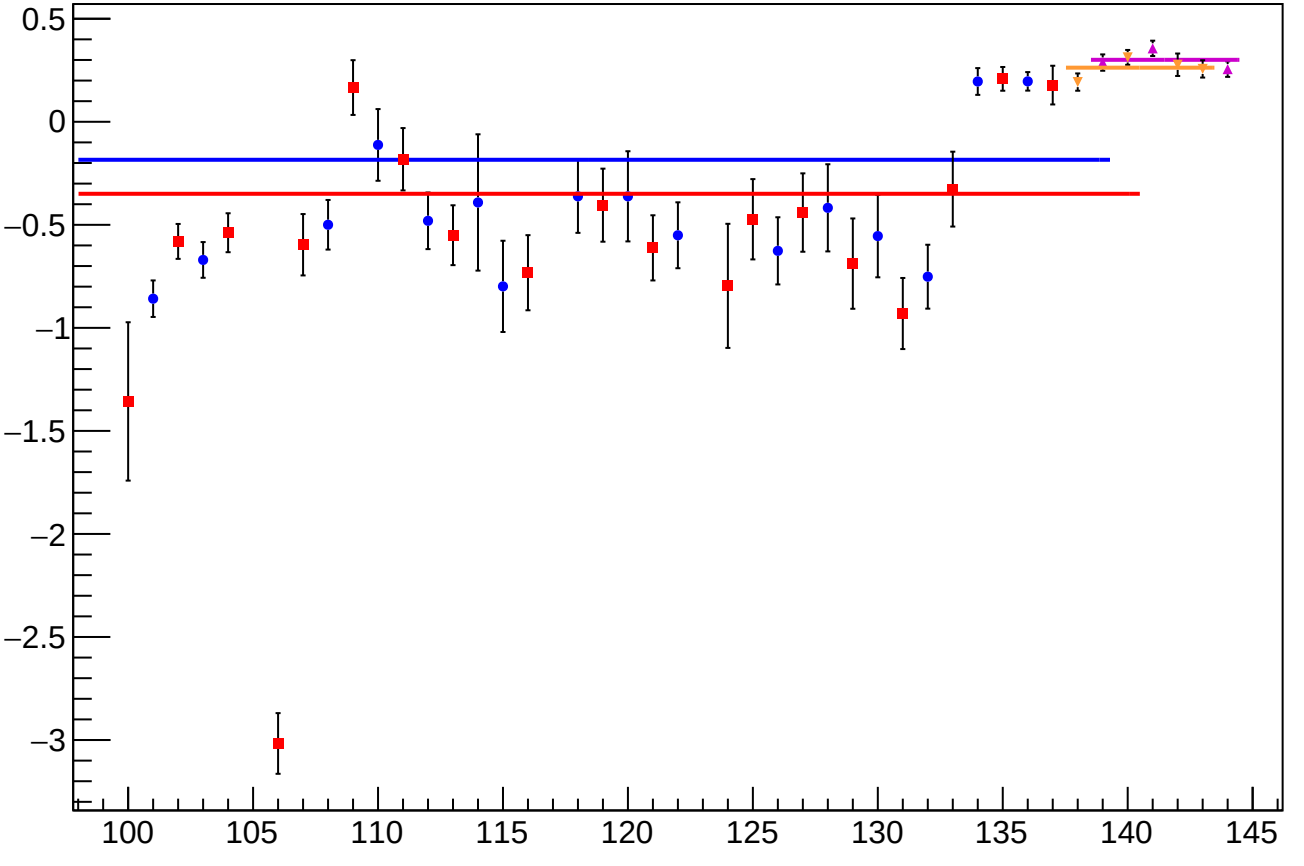
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.090+/-0.357 χ^2/NDF:752.0/18

Out: -10.617+/-0.347 χ^2/NDF:476.4/22

All: -10.361+/-0.249 χ^2/NDF: 1229.6/41

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: 0.263+/-0.021 χ^2/NDF:4.8/3

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.301+/-0.022 χ^2/NDF:3.8/2

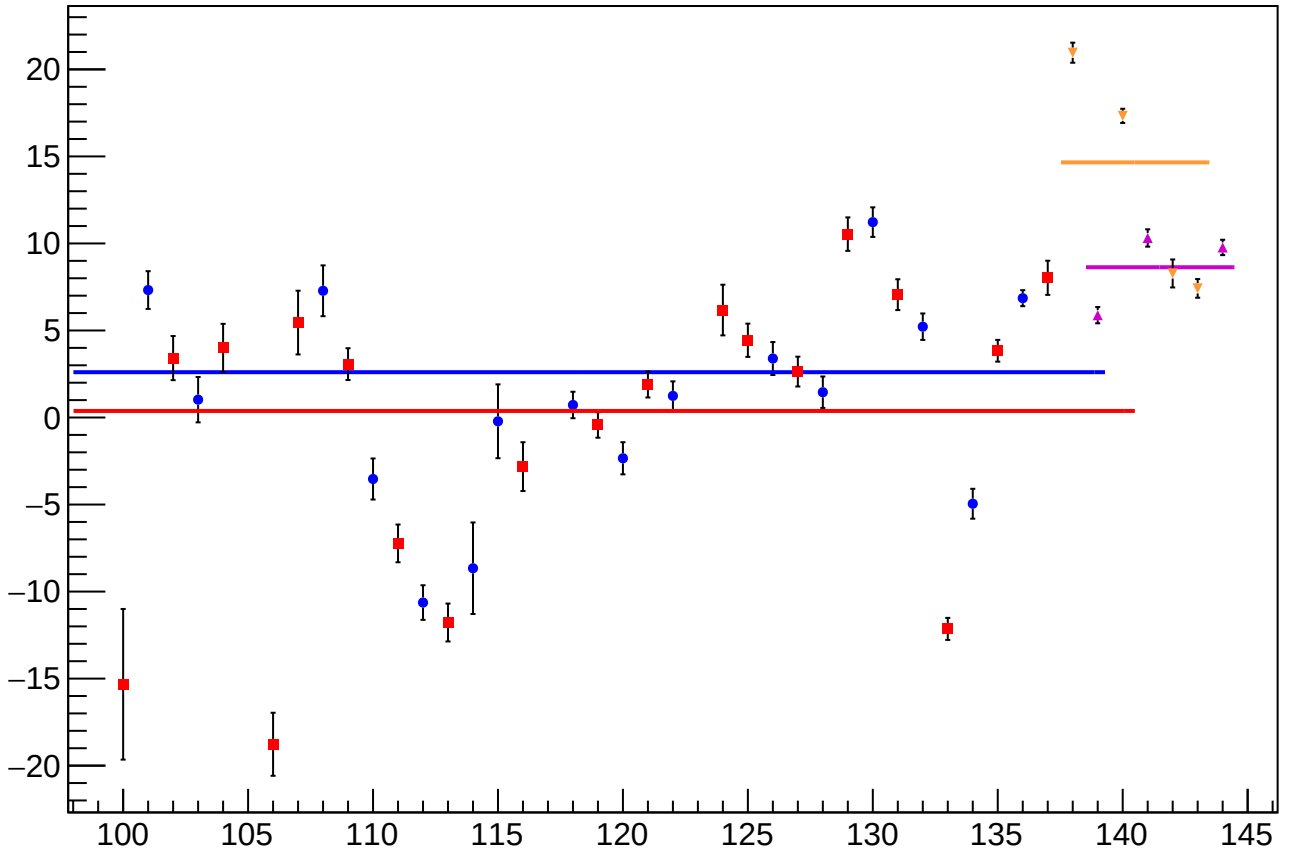
Left: 0.281+/-0.015 χ^2/NDF: 10.1/6

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.105+/-0.017 χ^2/NDF:446.8/18

Out: 0.054+/-0.017 χ^2/NDF:808.2/22

All: 0.079+/-0.012 χ^2/NDF: 1259.5/41



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 14.657+/-0.267 χ^2/NDF:407.1/3

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.633+/-0.270 χ^2/NDF:52.8/2

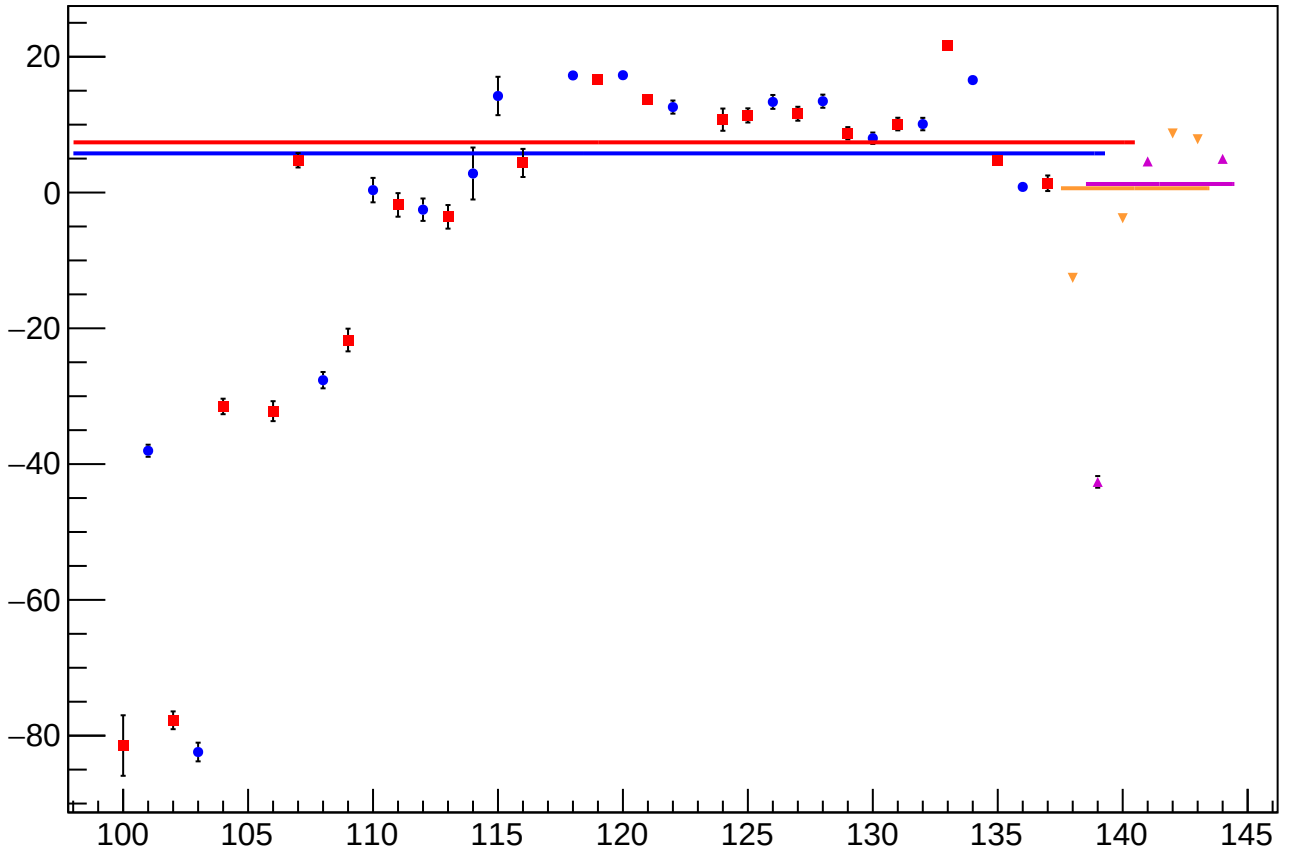
Left: 11.674+/-0.190 χ^2/NDF: 711.9/6

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 5.067+/-0.172 χ^2/NDF:921.7/18

Out: 6.220+/-0.171 χ^2/NDF:3127.3/22

All: 5.649+/-0.121 χ^2/NDF: 4071.6/41



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 0.631+/-0.215 χ^2/NDF:1258.1/3

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 1.260+/-0.234 χ^2/NDF:2823.3/2

Left: 0.918+/-0.158 χ^2/NDF: 4085.3/6

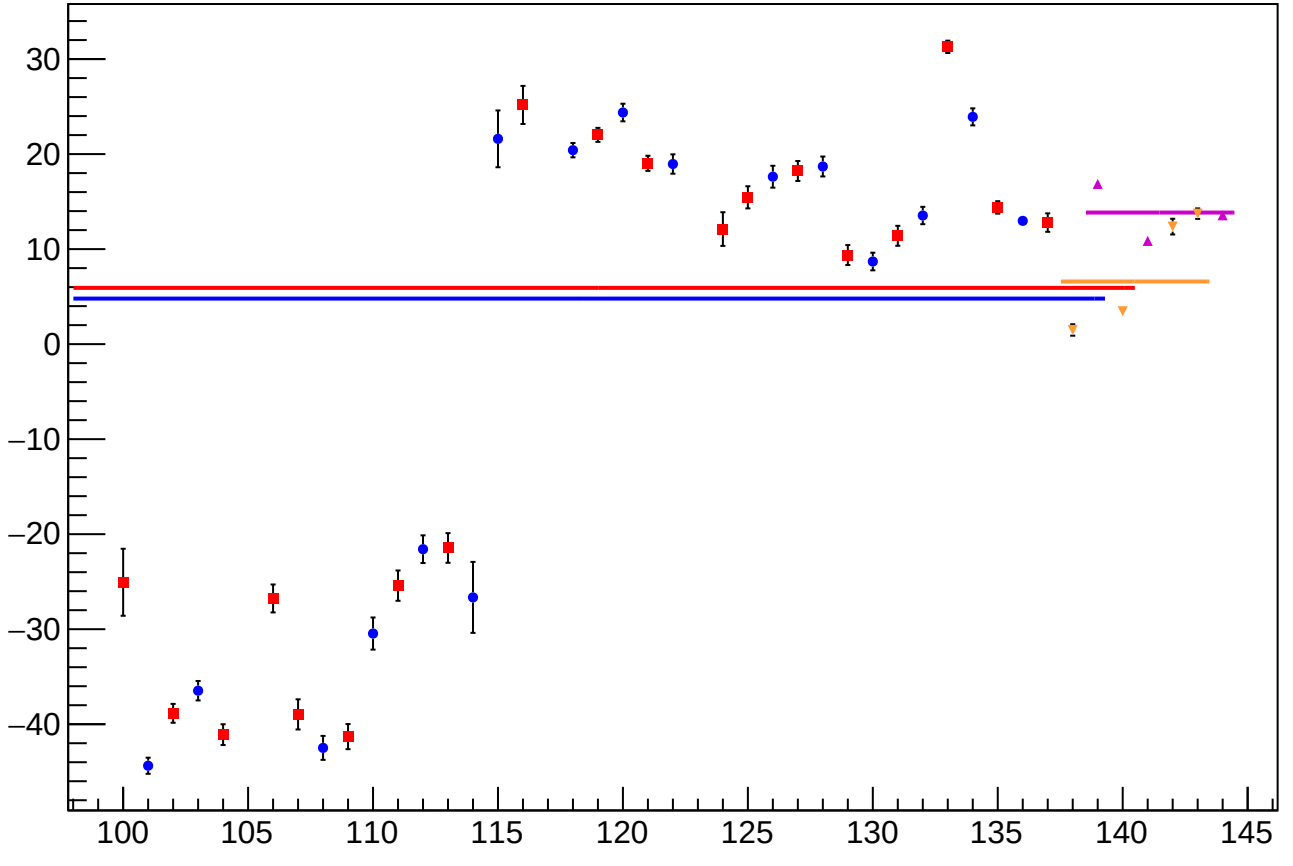
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 3.763+/-0.156 χ^2/NDF:11962.5/18

Out: 4.108+/-0.150 χ^2/NDF:10158.4/22

All: 3.943+/-0.108 χ^2/NDF: 22123.5/41

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: 6.591+/-0.276 χ^2/NDF:343.3/3

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 13.848+/-0.278 χ^2/NDF:73.1/2

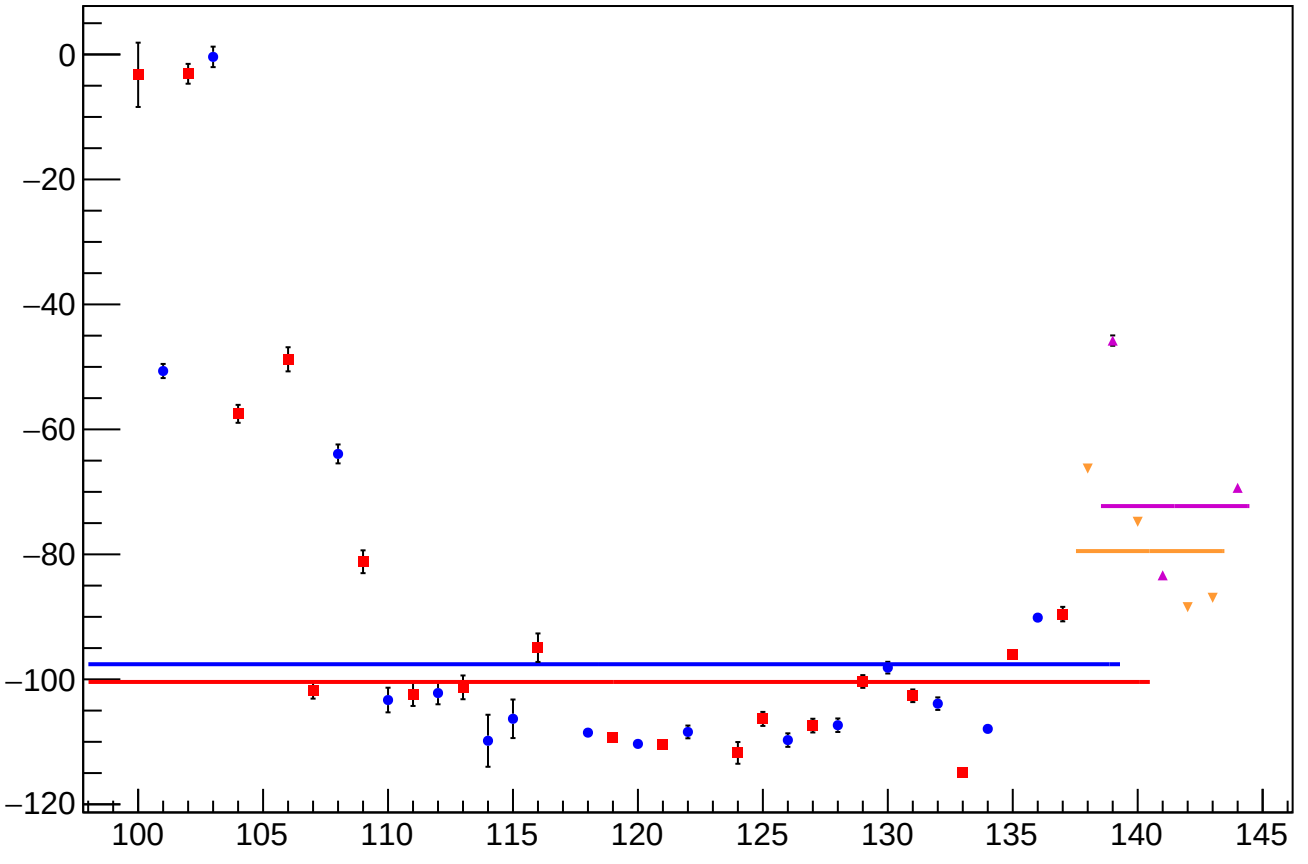
Left: 10.184+/-0.196 χ^2/NDF: 759.7/6

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 8.607+/-0.181 χ^2/NDF:10182.5/18

Out: 6.210+/-0.181 χ^2/NDF:10406.0/22

All: 7.411+/-0.128 χ^2/NDF: 20676.5/41



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -79.475+/-0.255 χ^2/NDF:995.0/3

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -72.273+/-0.271 χ^2/NDF:1741.9/2

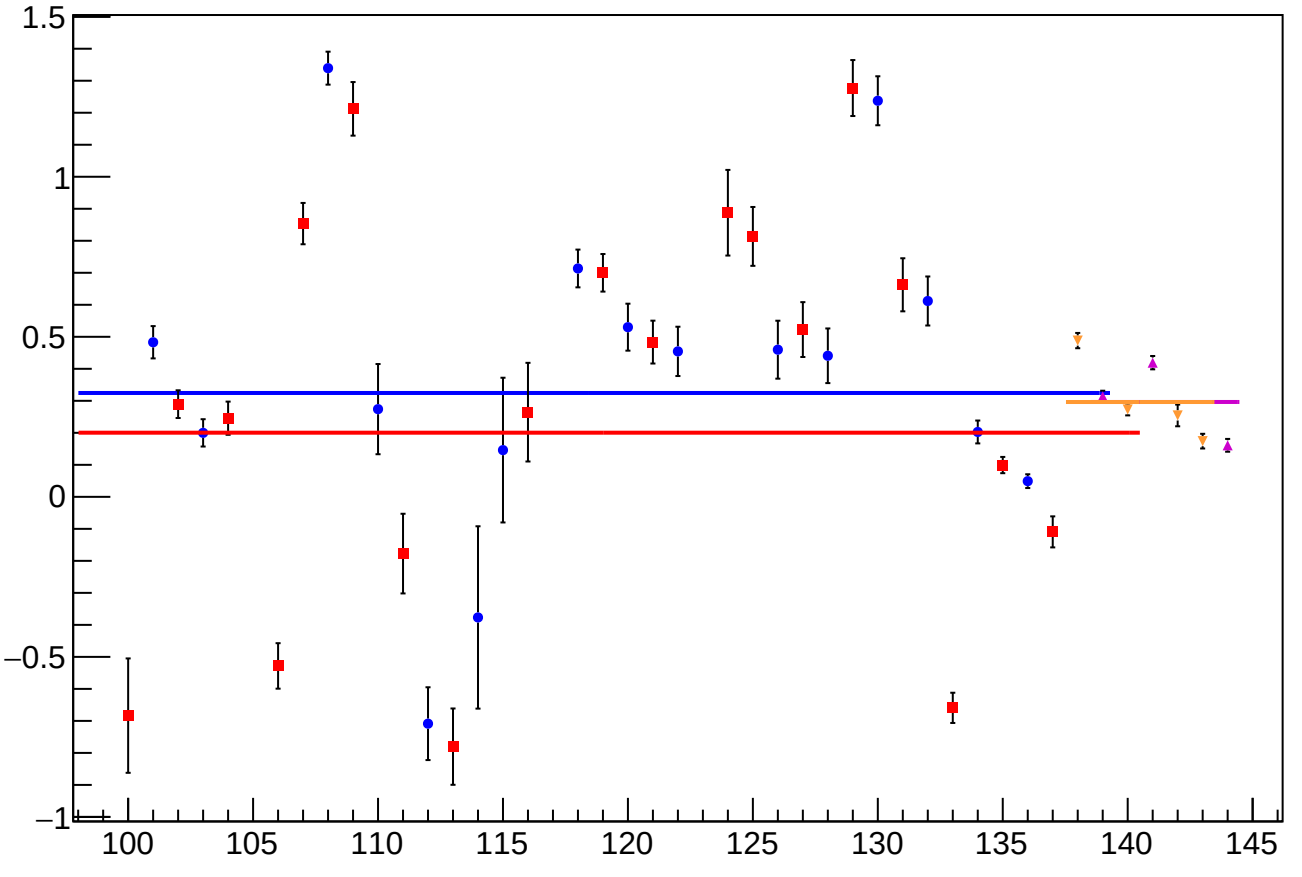
Left: -76.099+/-0.186 χ^2/NDF: 3112.1/6

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -86.368+/-0.180 χ^2/NDF:13744.4/18

Out: -90.520+/-0.175 χ^2/NDF:11680.2/22

All: -88.507+/-0.126 χ^2/NDF: 25697.6/41



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.296+/-0.012 χ^2/NDF:96.2/3

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.296+/-0.011 χ^2/NDF:81.5/2

Left: 0.296+/-0.008 χ^2/NDF: 177.7/6

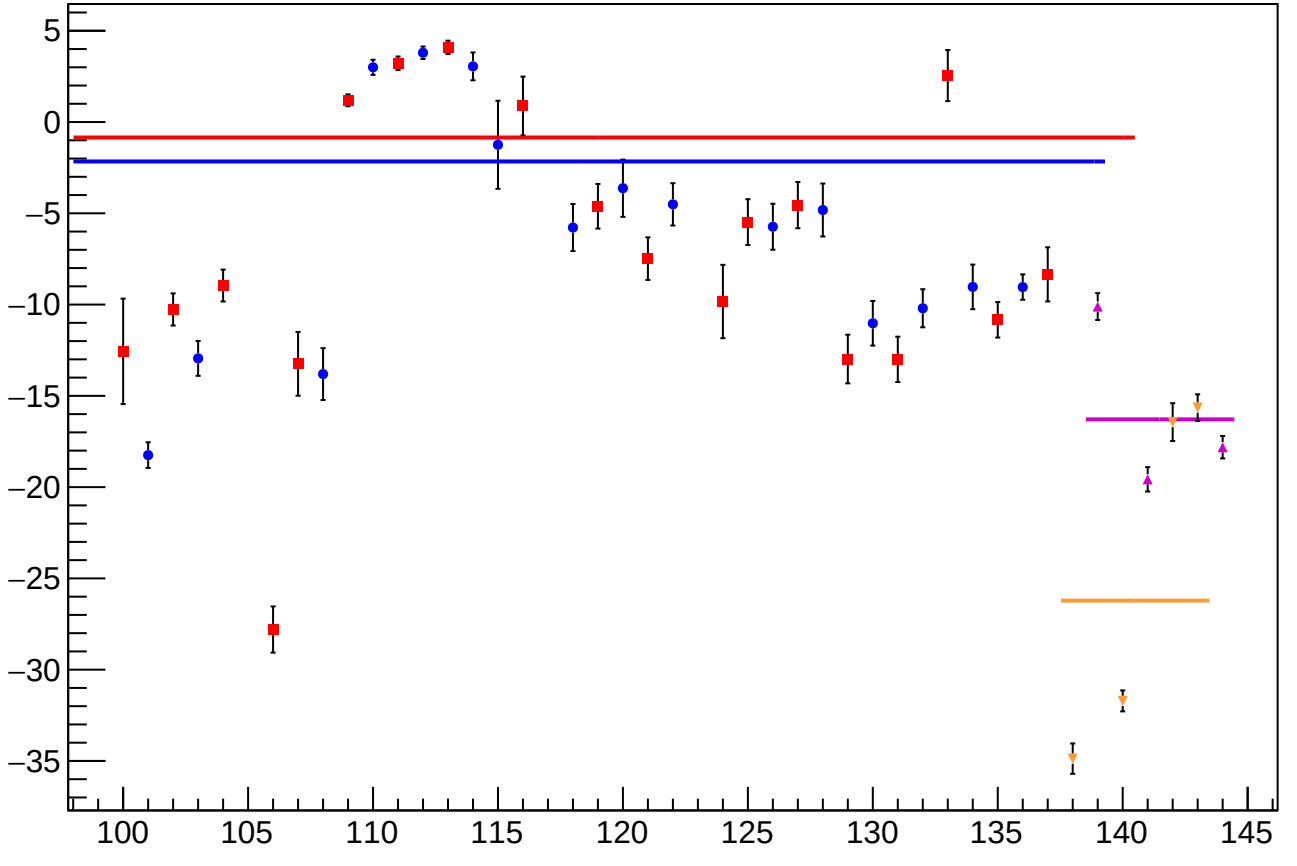
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.308+/-0.009 χ^2/NDF:970.6/18

Out: 0.257+/-0.009 χ^2/NDF:1330.6/22

All: 0.283+/-0.006 χ^2/NDF: 2318.5/41

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -26.216+/-0.370 χ^2/NDF:501.1/3

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -16.288+/-0.385 χ^2/NDF:100.8/2

Left: -21.452+/-0.267 χ^2/NDF: 947.5/6

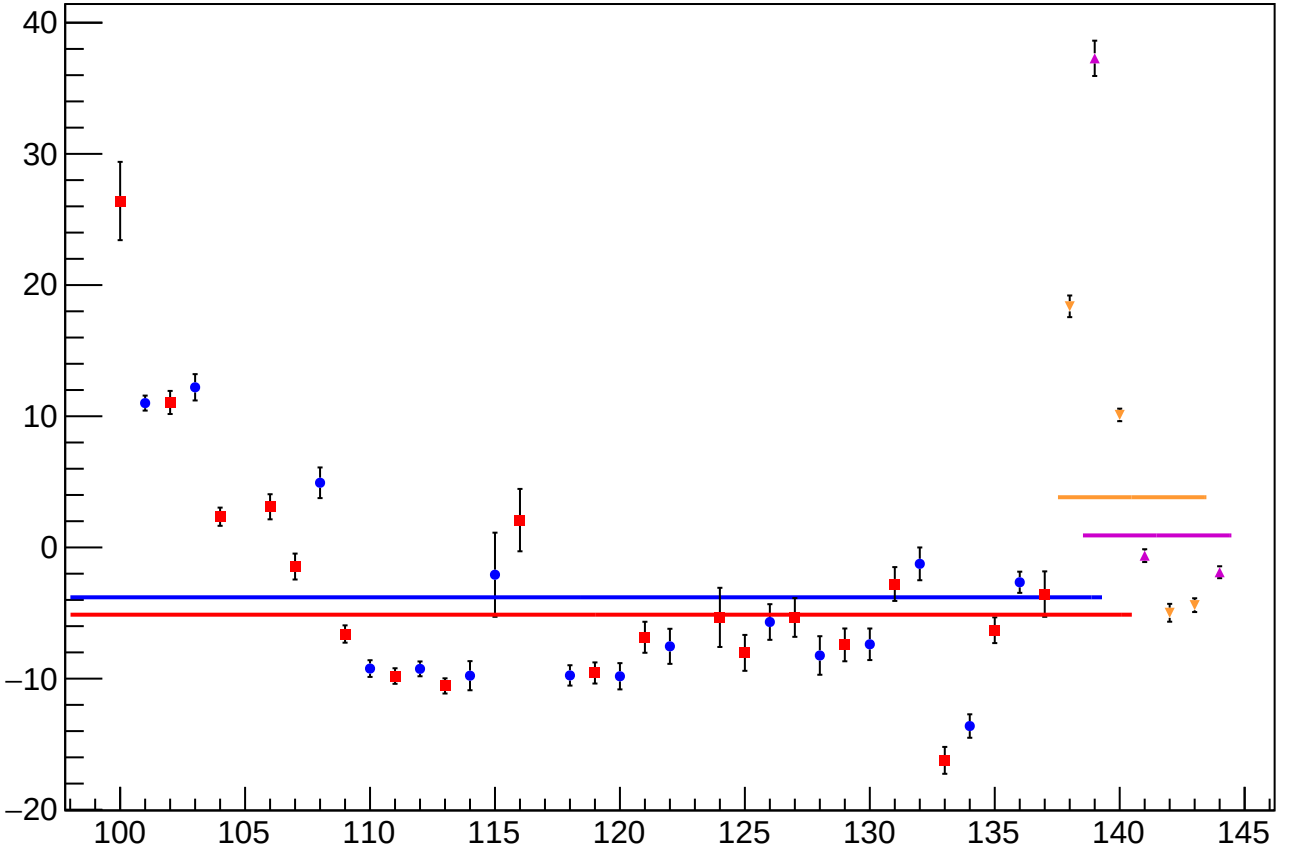
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.971+/-0.172 χ^2/NDF:2669.8/18

Out: -5.289+/-0.155 χ^2/NDF:5846.0/22

All: -5.147+/-0.115 χ^2/NDF: 8517.7/41

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 3.828+/-0.293 χ^2/NDF:896.6/3

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: 0.917+/-0.323 χ^2/NDF:778.1/2

Left: 2.513+/-0.217 χ^2/NDF: 1719.2/6

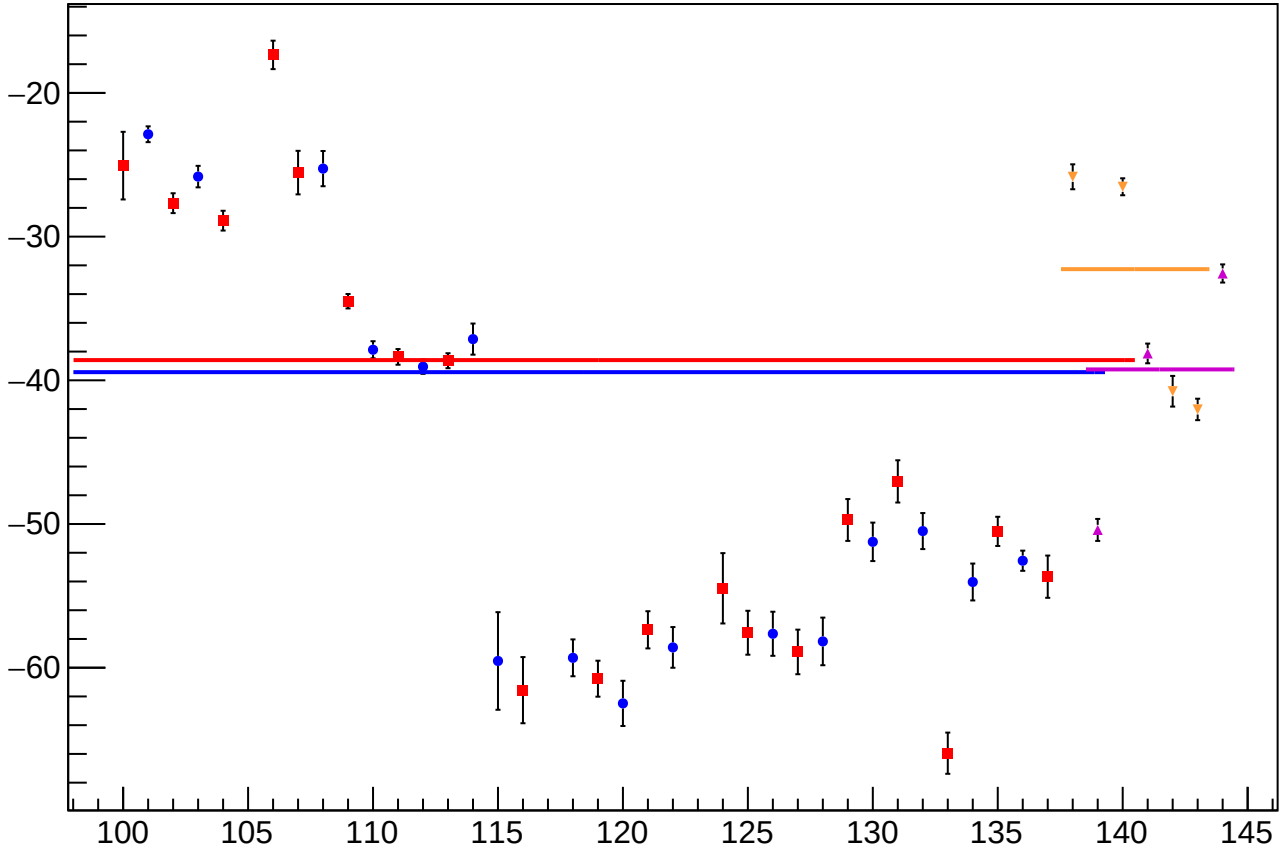
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.252+/-0.185 χ^2/NDF:2347.0/18

Out: -1.923+/-0.175 χ^2/NDF:2476.5/22

All: -2.079+/-0.127 χ^2/NDF: 4825.2/41

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: -32.264+/-0.382 χ^2/NDF:383.4/3

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -39.241+/-0.397 χ^2/NDF:327.0/2

Left: -35.612+/-0.275 χ^2/NDF: 870.8/6

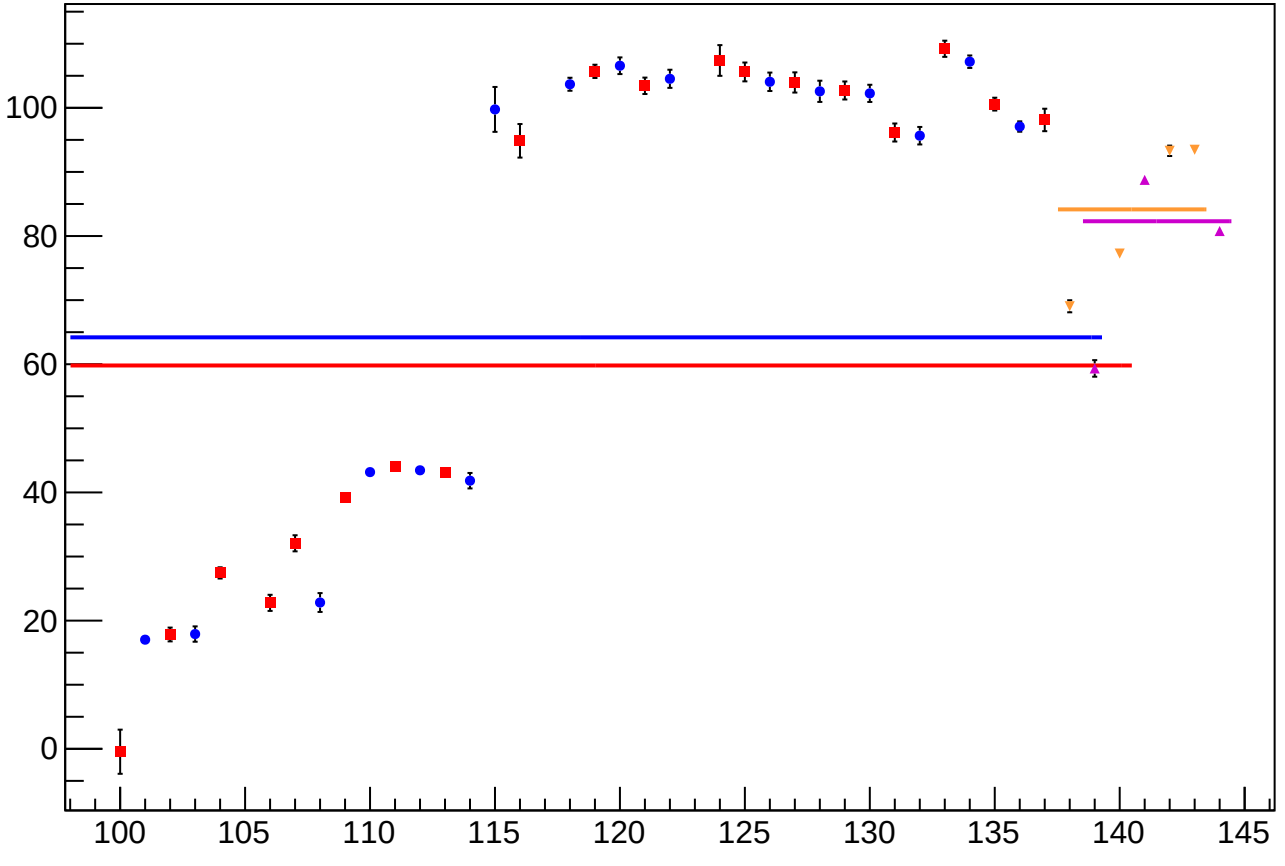
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -39.385+/-0.196 χ^2/NDF:3285.3/18

Out: -37.094+/-0.186 χ^2/NDF:3365.4/22

All: -38.177+/-0.135 χ^2/NDF: 6722.6/41

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.156+/-0.348 χ^2/NDF:751.8/3

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.306+/-0.375 χ^2/NDF:447.5/2

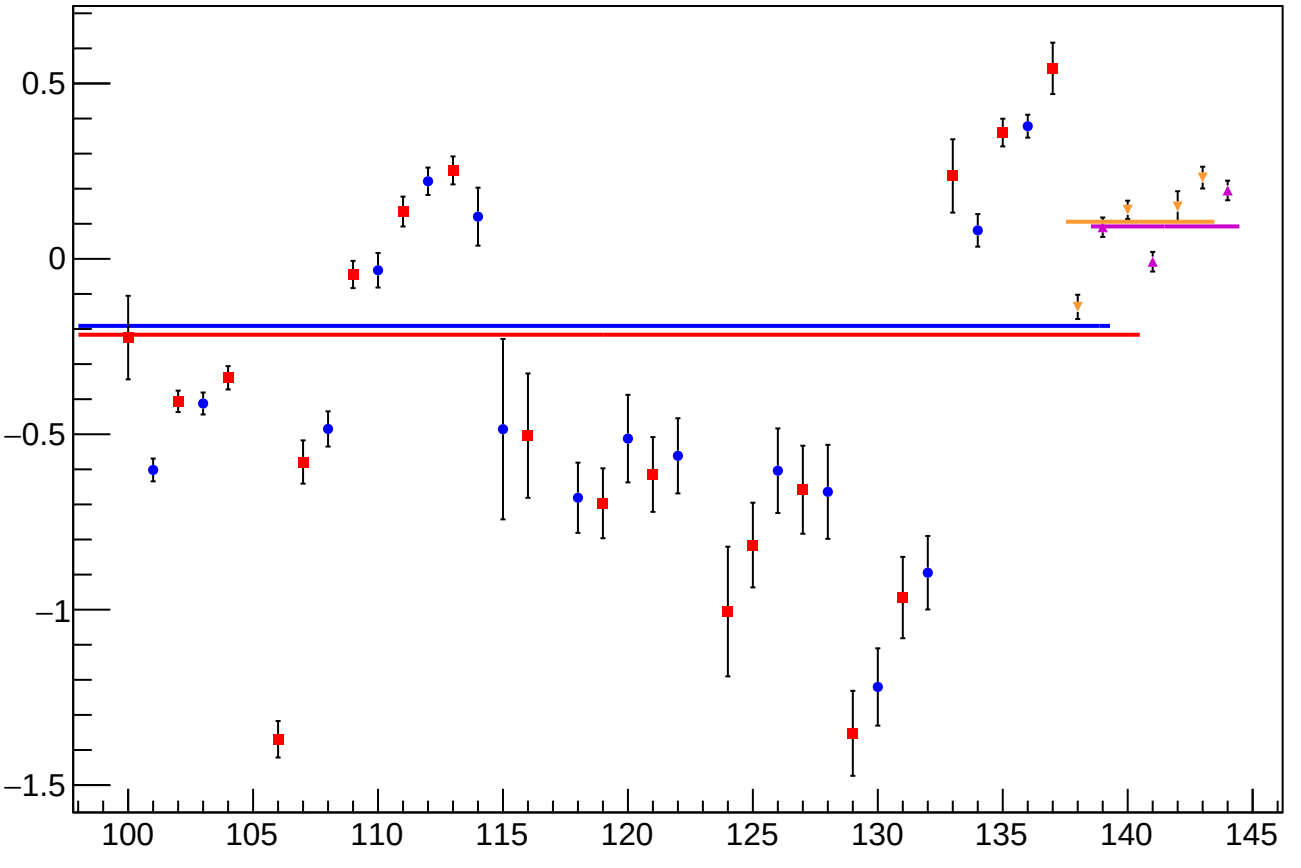
Left: 83.301+/-0.255 χ^2/NDF: 1212.3/6

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 69.995+/-0.212 χ^2/NDF:20627.9/18

Out: 68.042+/-0.202 χ^2/NDF:21424.9/22

All: 68.972+/-0.146 χ^2/NDF: 42097.1/41



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.106+/-0.016 χ^2/NDF:68.4/3

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.092+/-0.016 χ^2/NDF:26.4/2

Left: 0.099+/-0.011 χ^2/NDF: 95.2/6

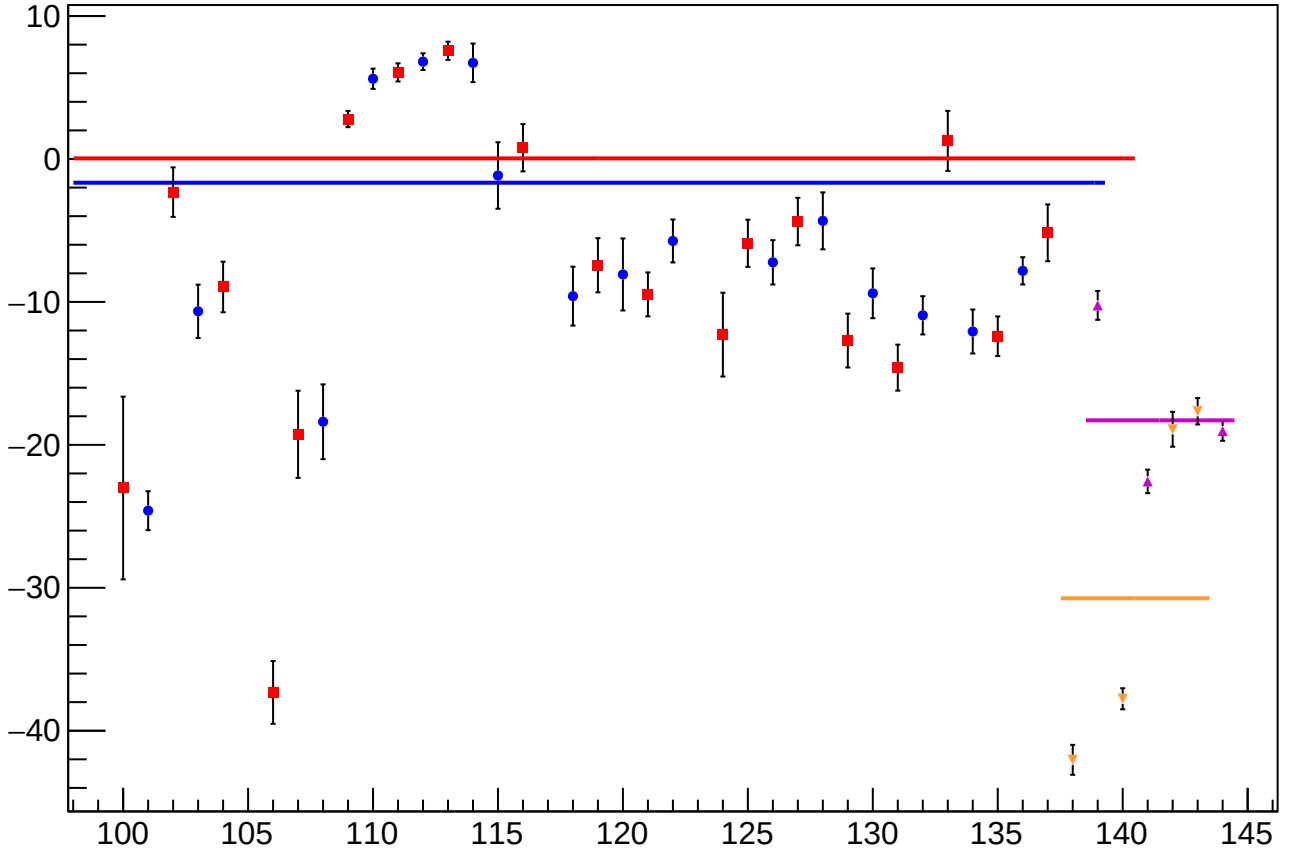
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.075+/-0.010 χ^2/NDF:1127.7/18

Out: -0.090+/-0.010 χ^2/NDF:1680.0/22

All: -0.082+/-0.007 χ^2/NDF: 2808.8/41

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: -30.735+/-0.466 χ^2/NDF:501.9/3

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -18.284+/-0.467 χ^2/NDF:91.4/2

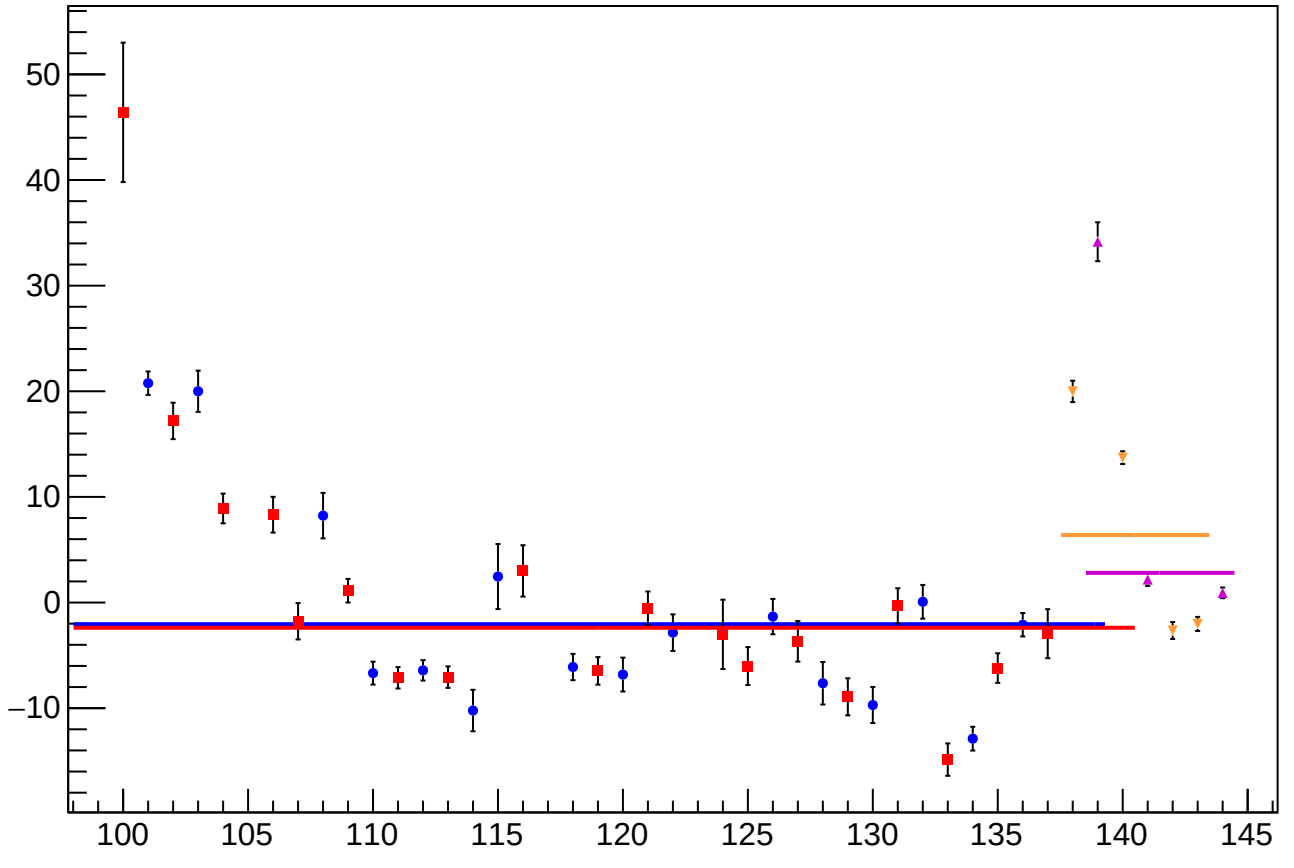
Left: -24.512+/-0.330 χ^2/NDF: 949.4/6

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.708+/-0.257 χ^2/NDF:1875.7/18

Out: -8.194+/-0.241 χ^2/NDF:4622.5/22

All: -7.498+/-0.176 χ^2/NDF: 6515.9/41



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 6.393+/-0.365 χ^2/NDF:613.0/3

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 2.812+/-0.378 χ^2/NDF:304.7/2

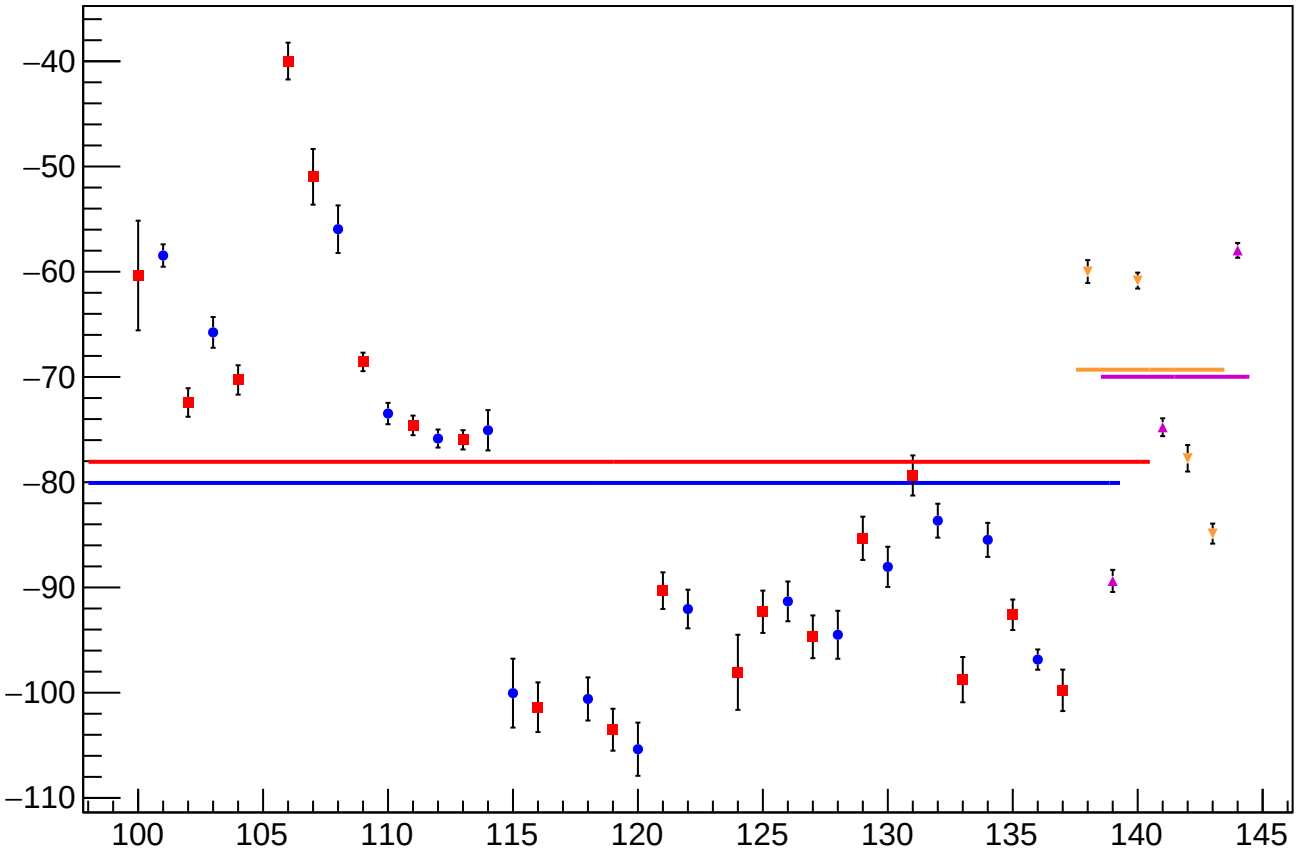
Left: 4.663+/-0.263 χ^2/NDF: 964.2/6

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: 0.238+/-0.259 χ^2/NDF:1164.3/18

Out: 1.884+/-0.255 χ^2/NDF:1360.9/22

All: 1.075+/-0.182 χ^2/NDF: 2545.7/41



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.306+/-0.481 χ^2/NDF:511.2/3

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -69.979+/-0.481 χ^2/NDF:663.8/2

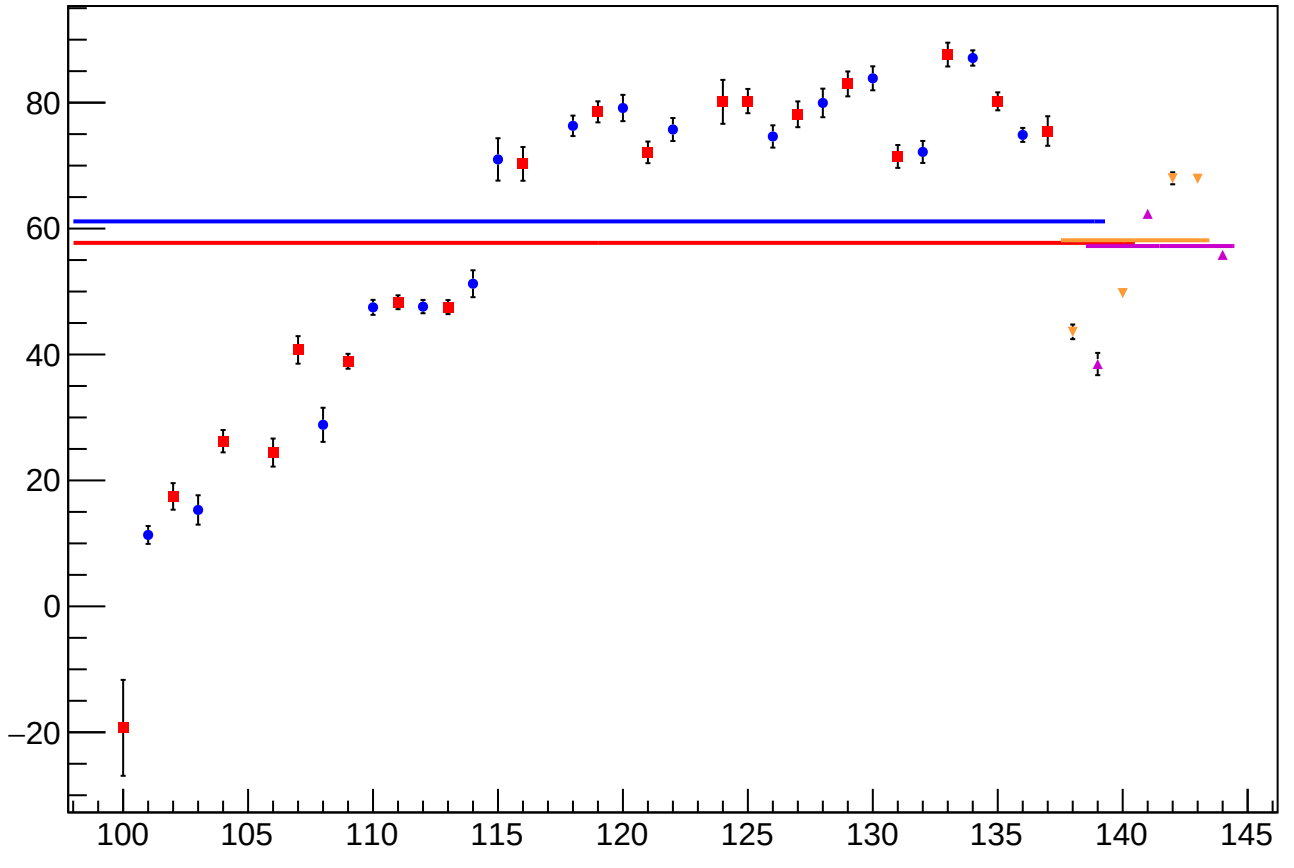
Left: -69.643+/-0.340 χ^2/NDF: 1176.0/6

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.391+/-0.291 χ^2/NDF:2330.5/18

Out: -74.990+/-0.285 χ^2/NDF:2287.3/22

All: -75.677+/-0.203 χ^2/NDF: 4629.7/41



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.142+/-0.434 χ^2/NDF:546.6/3

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 57.225+/-0.441 χ^2/NDF:169.1/2

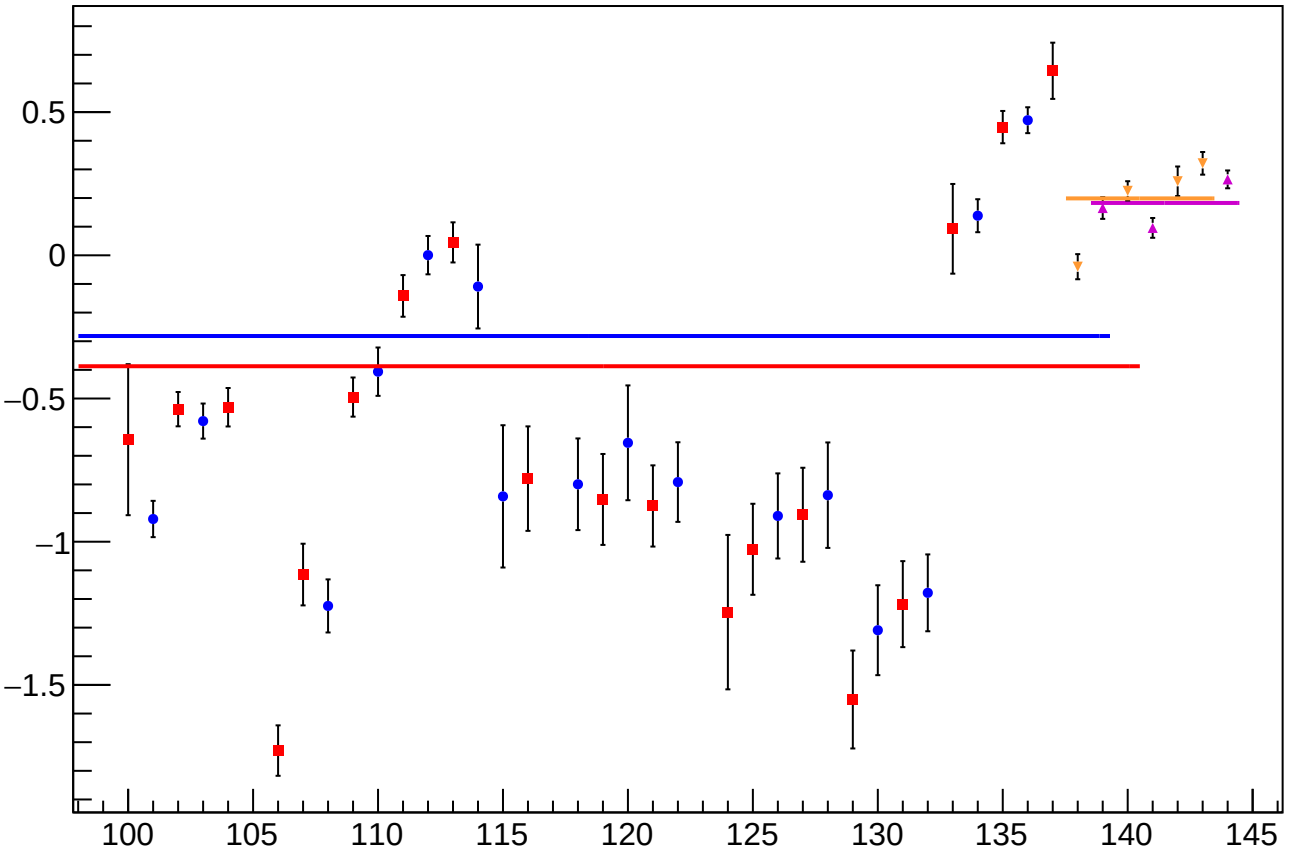
Left: 57.690+/-0.309 χ^2/NDF: 717.8/6

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 59.370+/-0.296 χ^2/NDF:3441.5/18

Out: 57.918+/-0.294 χ^2/NDF:3322.7/22

All: 58.638+/-0.209 χ^2/NDF: 6776.2/41



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.199+/-0.020 χ^2/NDF:41.1/3

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.183+/-0.020 χ^2/NDF:13.6/2

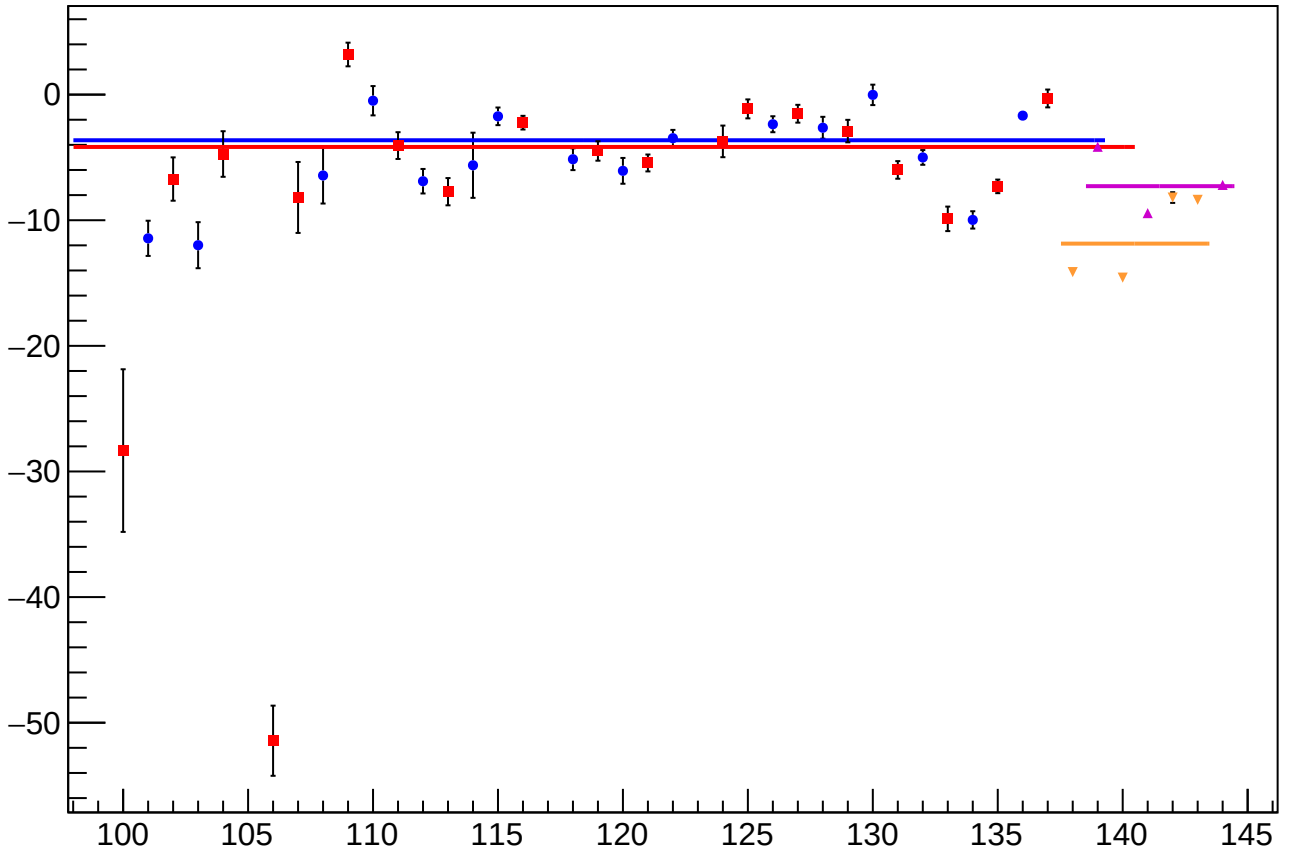
Left: 0.191+/-0.014 χ^2/NDF: 55.0/6

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.028+/-0.015 χ^2/NDF:993.3/18

Out: -0.073+/-0.015 χ^2/NDF:1244.3/22

All: -0.050+/-0.010 χ^2/NDF: 2242.1/41



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.862+/-0.162 χ^2/NDF:344.0/3

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.289+/-0.162 χ^2/NDF:126.1/2

Left: -9.573+/-0.115 χ^2/NDF: 867.3/6

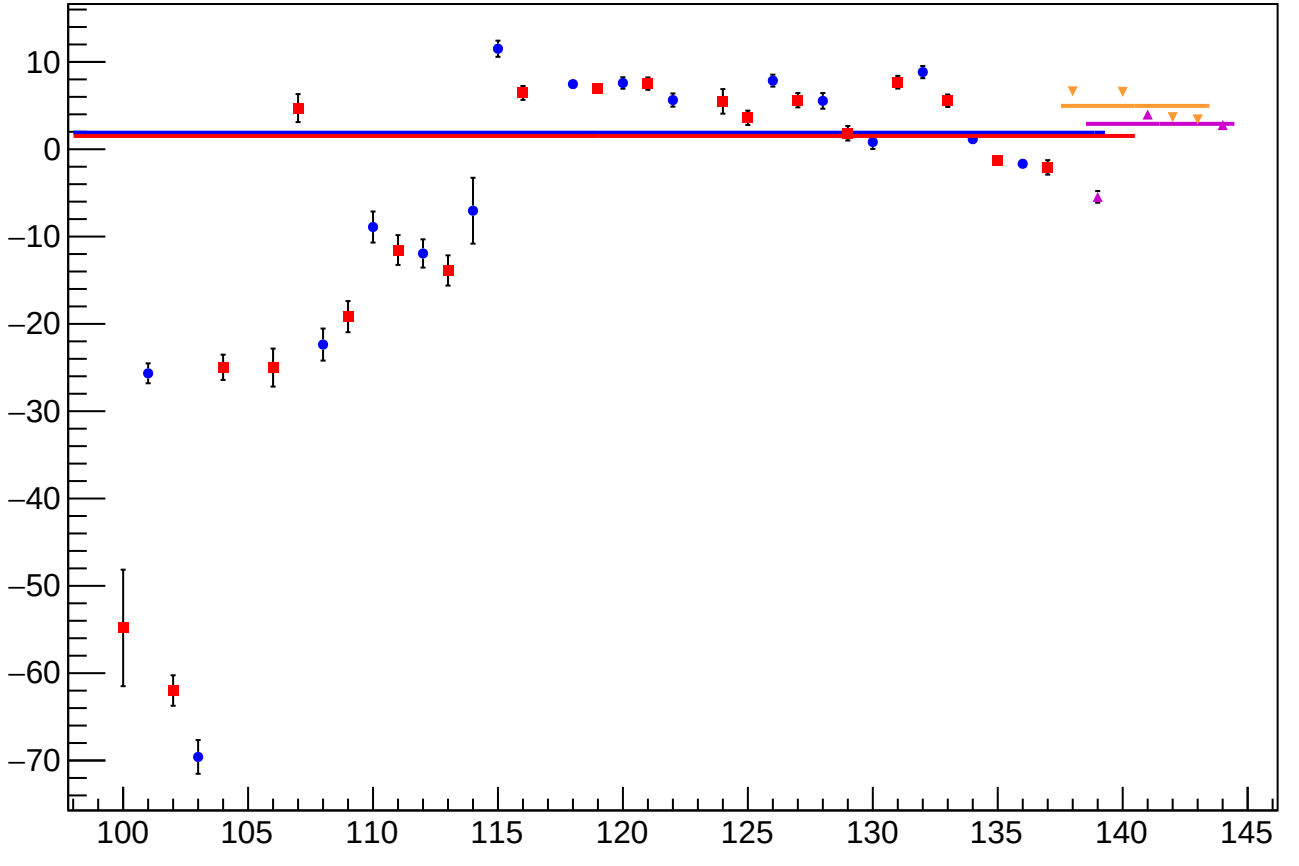
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.739+/-0.123 χ^2/NDF:576.2/18

Out: -8.794+/-0.126 χ^2/NDF:1769.0/22

All: -7.232+/-0.088 χ^2/NDF: 2646.2/41

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: 4.969+/-0.127 χ^2/NDF:147.5/3

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.911+/-0.130 χ^2/NDF:182.1/2

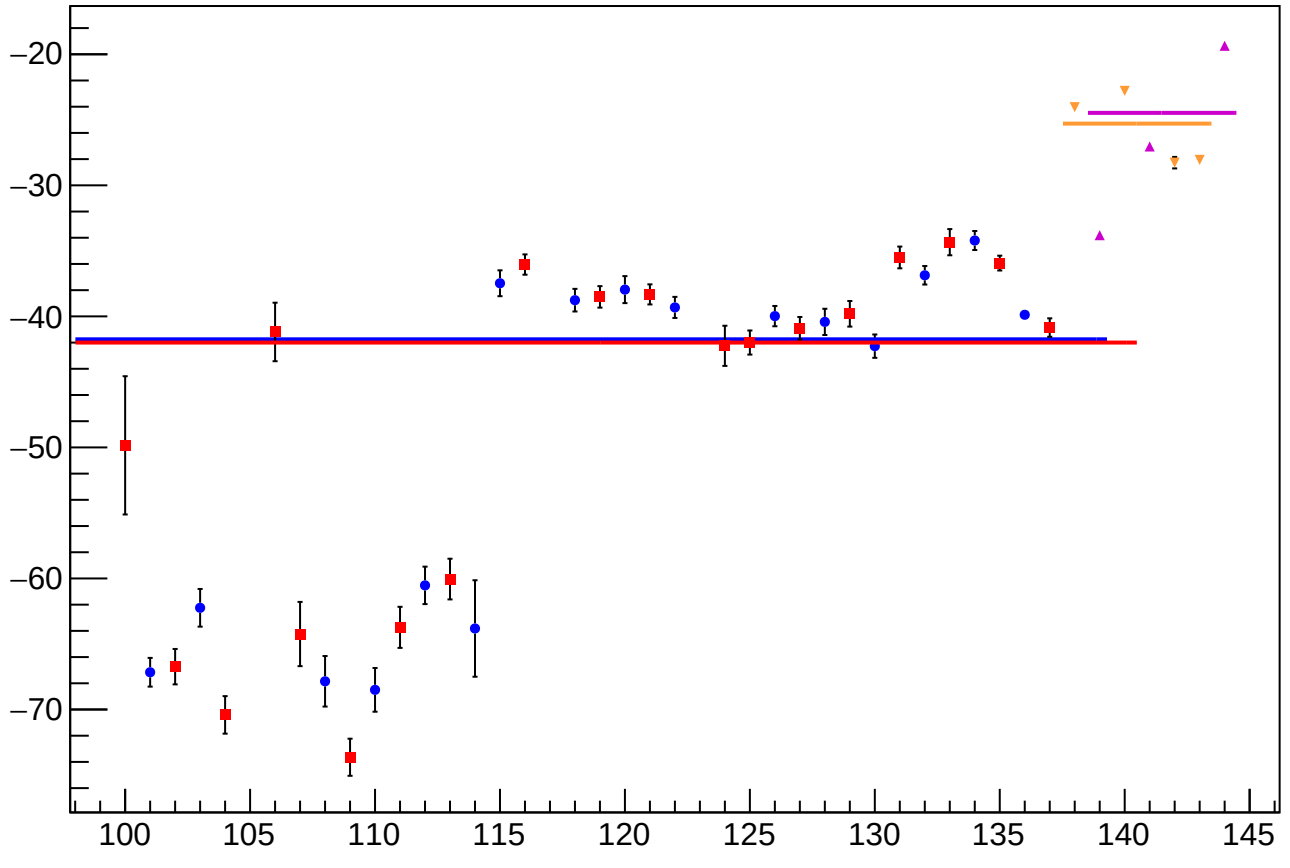
Left: 3.966+/-0.091 χ^2/NDF: 458.3/6

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.586+/-0.107 χ^2/NDF:3039.8/18

Out: 4.039+/-0.108 χ^2/NDF:2906.9/22

All: 3.305+/-0.076 χ^2/NDF: 6037.9/41



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -25.290+/-0.168 χ^2/NDF:215.8/3

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.471+/-0.167 χ^2/NDF:1133.1/2

Left: -24.880+/-0.118 χ^2/NDF: 1360.9/6

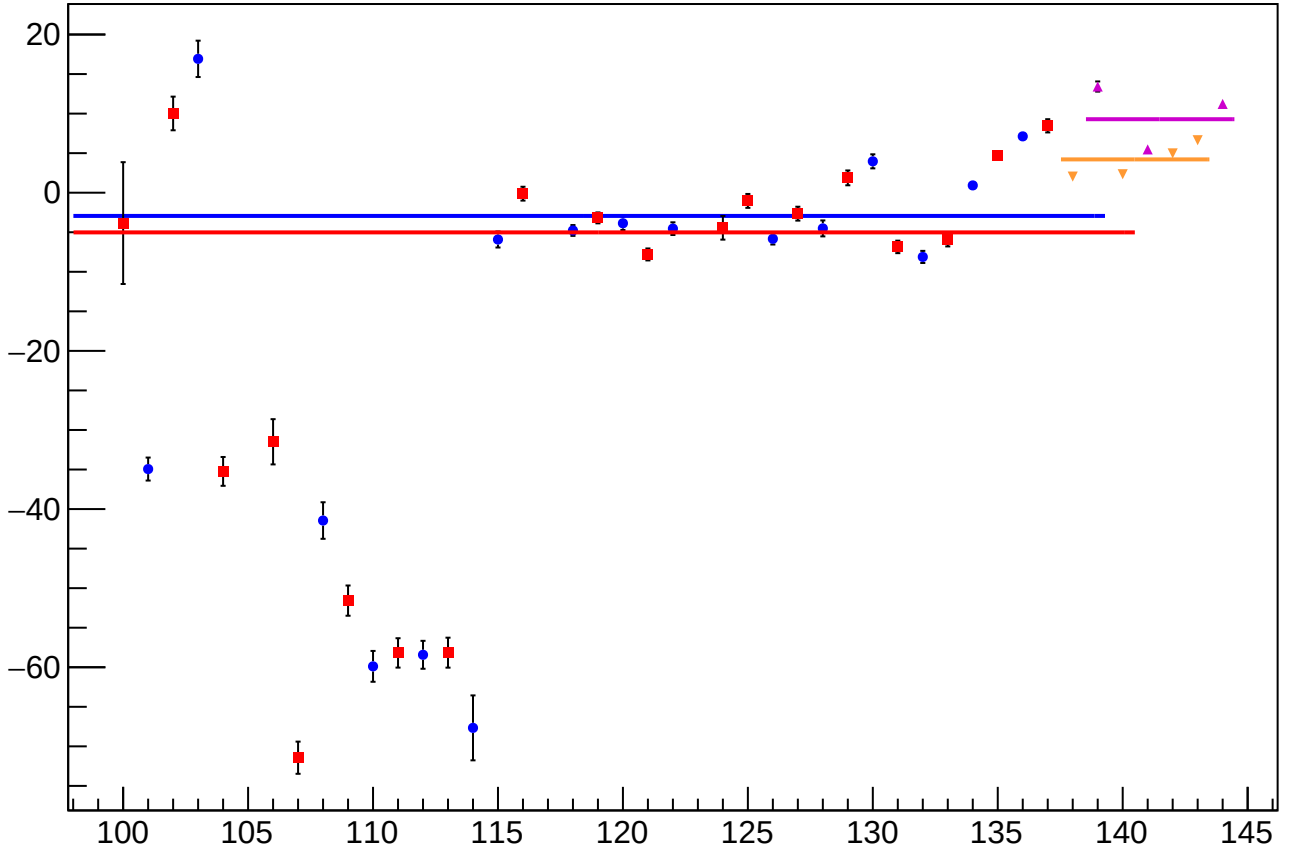
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -31.272+/-0.130 χ^2/NDF:6967.8/18

Out: -31.140+/-0.135 χ^2/NDF:5683.1/22

All: -31.208+/-0.094 χ^2/NDF: 12651.3/41

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: 4.210+/-0.151 χ^2/NDF:169.8/3

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 9.292+/-0.152 χ^2/NDF:362.3/2

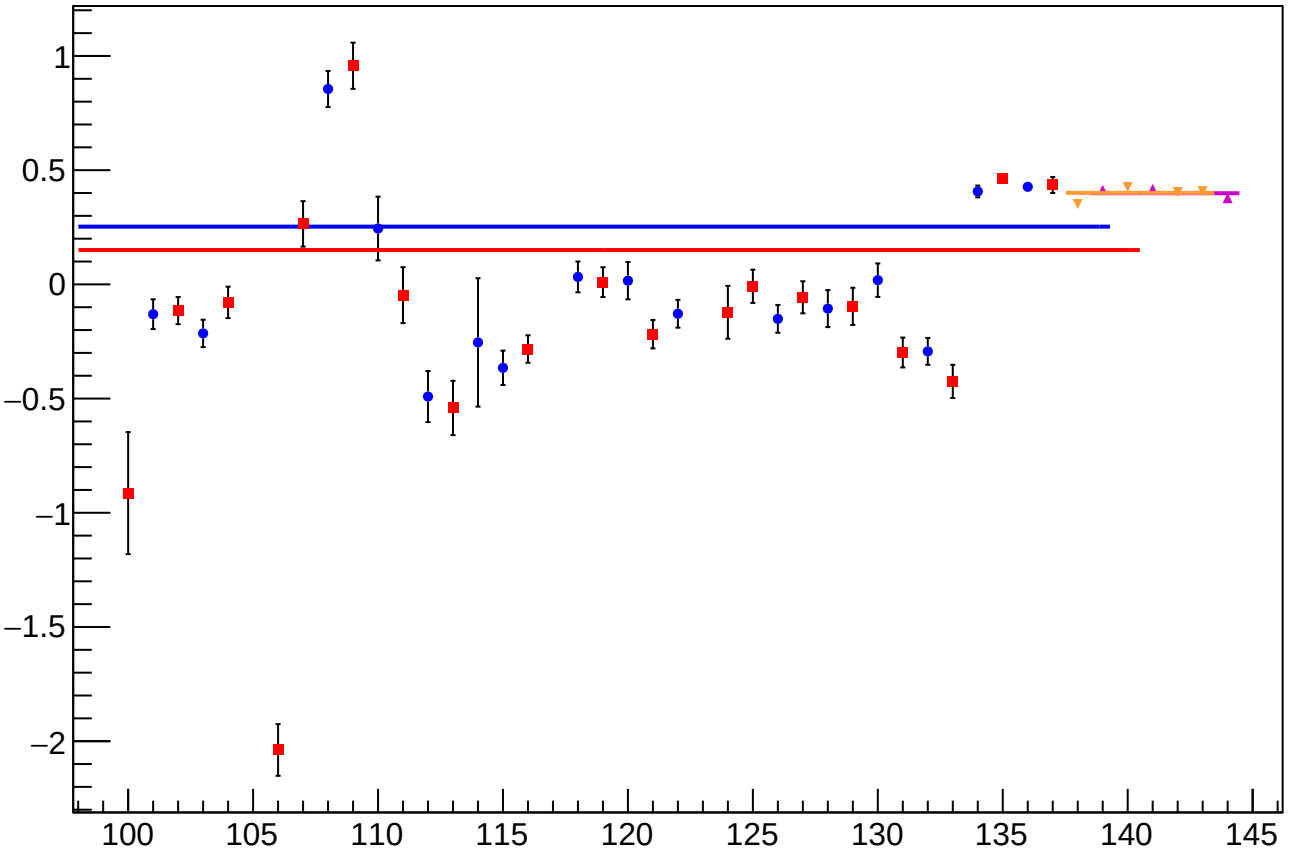
Left: 6.732+/-0.107 χ^2/NDF: 1096.3/6

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 5.084+/-0.123 χ^2/NDF:6319.0/18

Out: 1.468+/-0.126 χ^2/NDF:5661.1/22

All: 3.325+/-0.088 χ^2/NDF: 12400.7/41



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.401+/-0.007 χ^2/NDF:15.5/3

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.399+/-0.007 χ^2/NDF:7.6/2

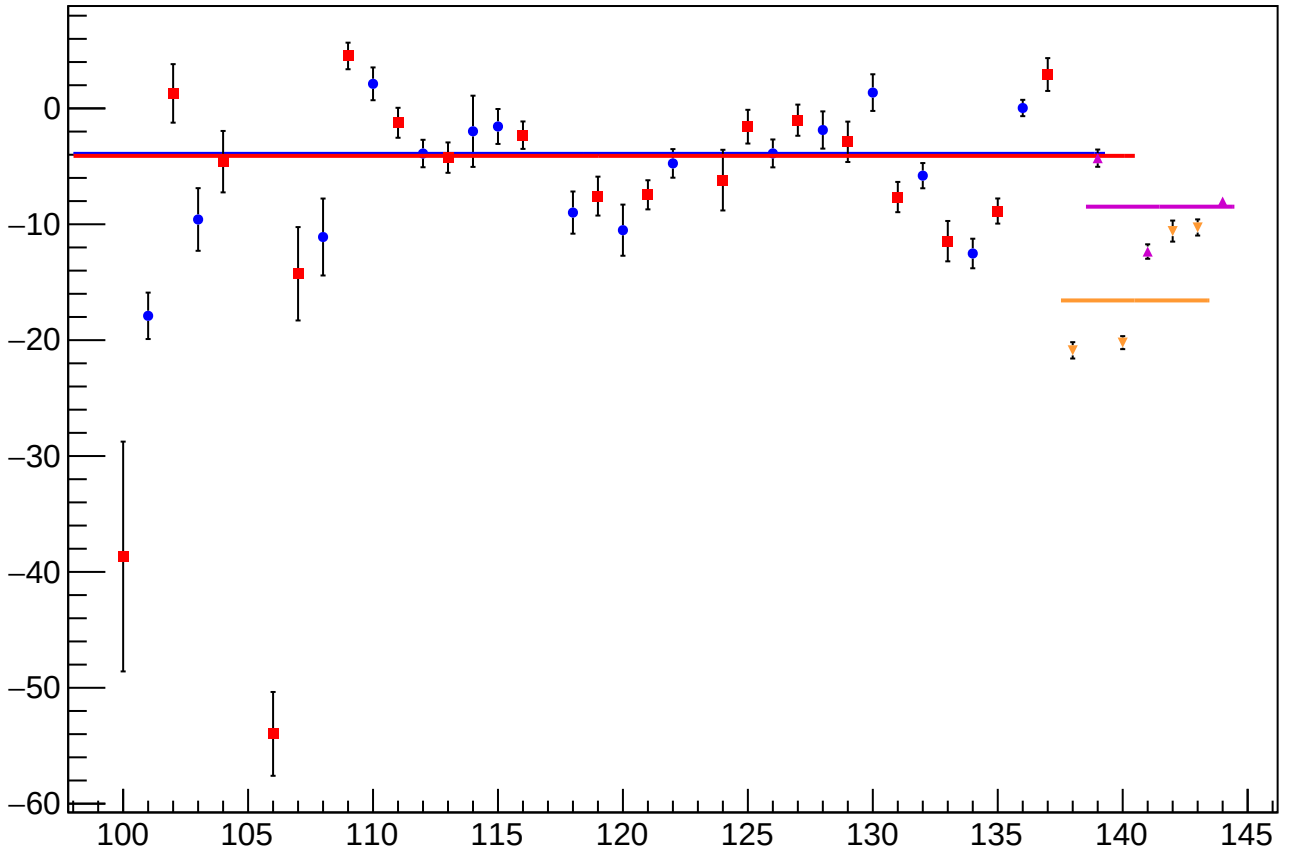
Left: 0.400+/-0.005 χ^2/NDF: 23.2/6

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.360+/-0.006 χ^2/NDF:758.0/18

Out: 0.346+/-0.006 χ^2/NDF:1307.9/22

All: 0.353+/-0.004 χ^2/NDF: 2068.7/41



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.573+/-0.344 χ^2/NDF:204.4/3

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -8.481+/-0.320 χ^2/NDF:71.1/2

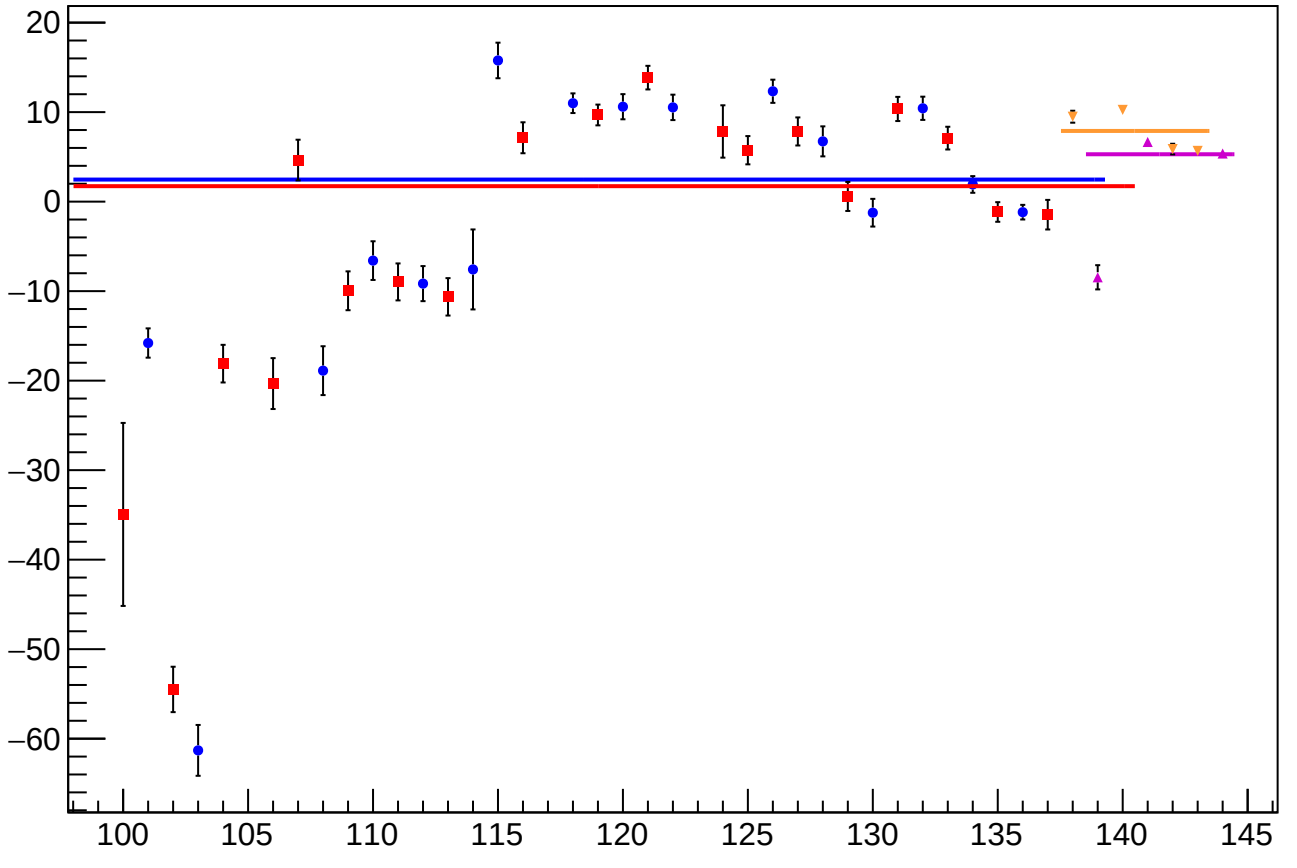
Left: -12.239+/-0.234 χ^2/NDF: 572.0/6

Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -6.379+/-0.235 χ^2/NDF:353.3/18

Out: -10.564+/-0.248 χ^2/NDF:1205.1/22

All: -8.362+/-0.170 χ^2/NDF: 1708.7/41



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 7.897+/-0.270 χ^2/NDF:63.0/3

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.293+/-0.255 χ^2/NDF:112.4/2

Left: 6.524+/-0.185 χ^2/NDF: 224.7/6

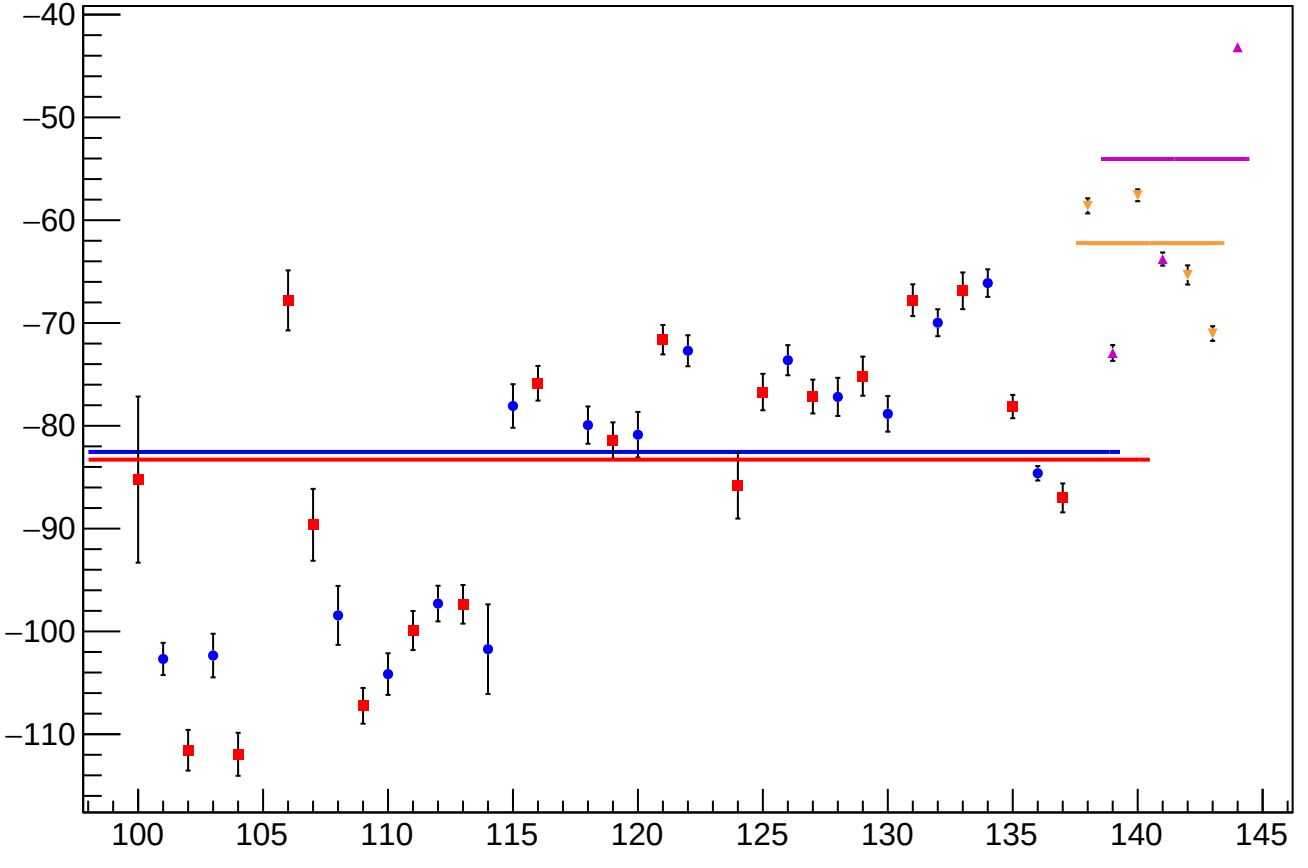
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.335+/-0.208 χ^2/NDF:1200.7/18

Out: 5.875+/-0.221 χ^2/NDF:1217.8/22

All: 5.057+/-0.151 χ^2/NDF: 2444.2/41

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -62.227+/-0.355 χ^2/NDF:250.9/3

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -54.046+/-0.330 χ^2/NDF:1421.6/2

Left: -57.843+/-0.242 χ^2/NDF: 1957.2/6

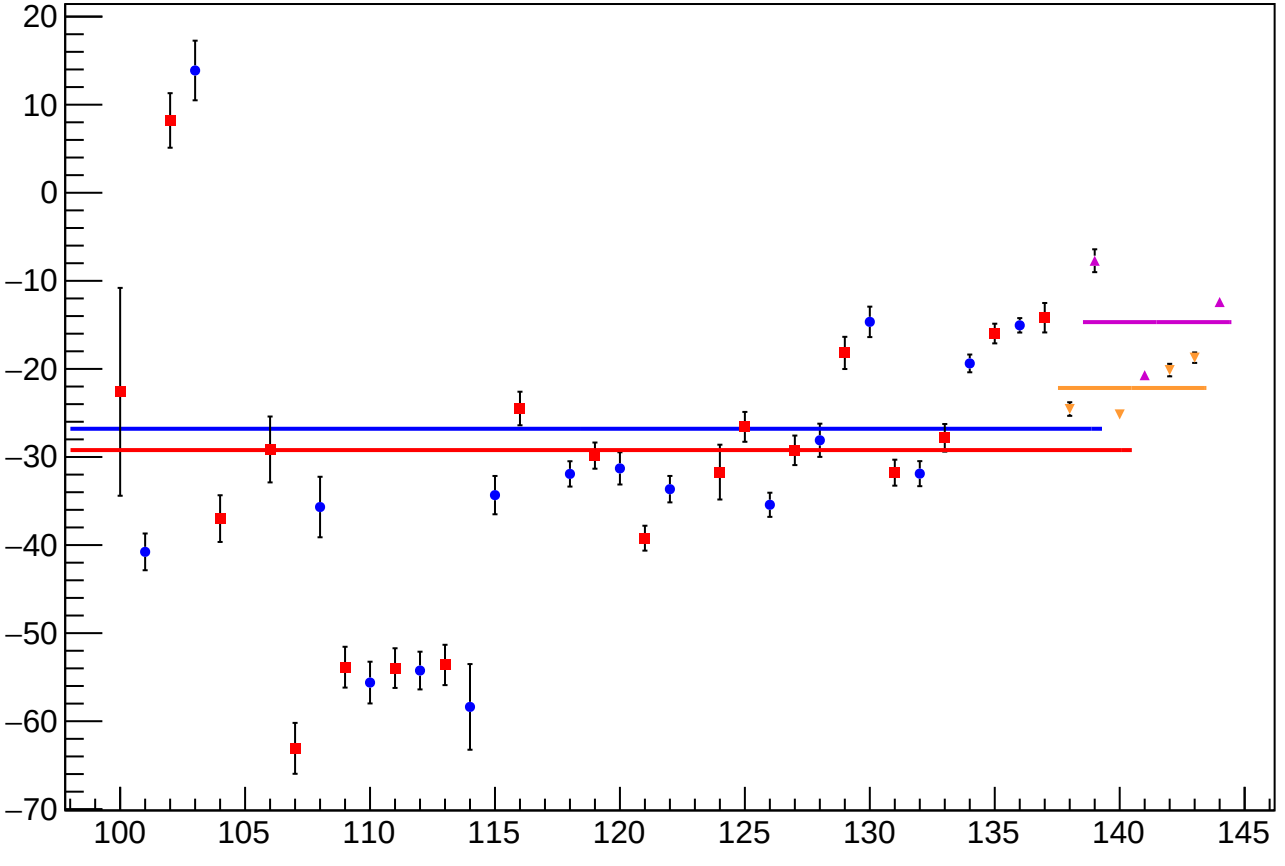
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -66.153+/-0.250 χ^2/NDF:5422.4/18

Out: -71.143+/-0.270 χ^2/NDF:2834.3/22

All: -68.466+/-0.183 χ^2/NDF: 8440.7/41

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: -22.163+/-0.321 χ^2/NDF:80.3/3

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.687+/-0.299 χ^2/NDF:190.3/2

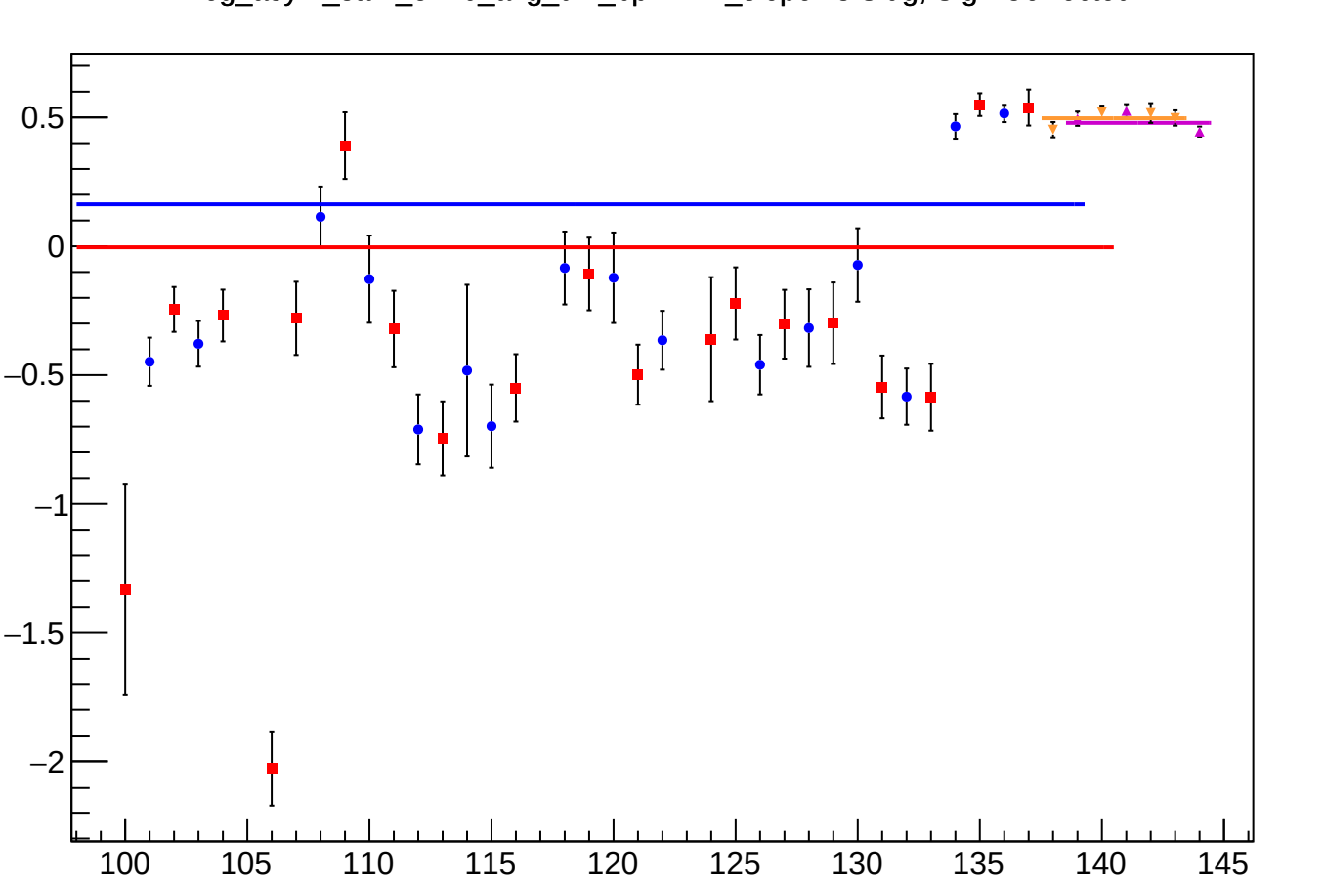
Left: -18.154+/-0.219 χ^2/NDF: 561.4/6

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -19.081+/-0.238 χ^2/NDF:1750.7/18

Out: -24.679+/-0.257 χ^2/NDF:1213.2/22

All: -21.664+/-0.175 χ^2/NDF: 3218.4/41



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.015 χ^2/NDF:3.4/3

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.479+/-0.014 χ^2/NDF:6.5/2

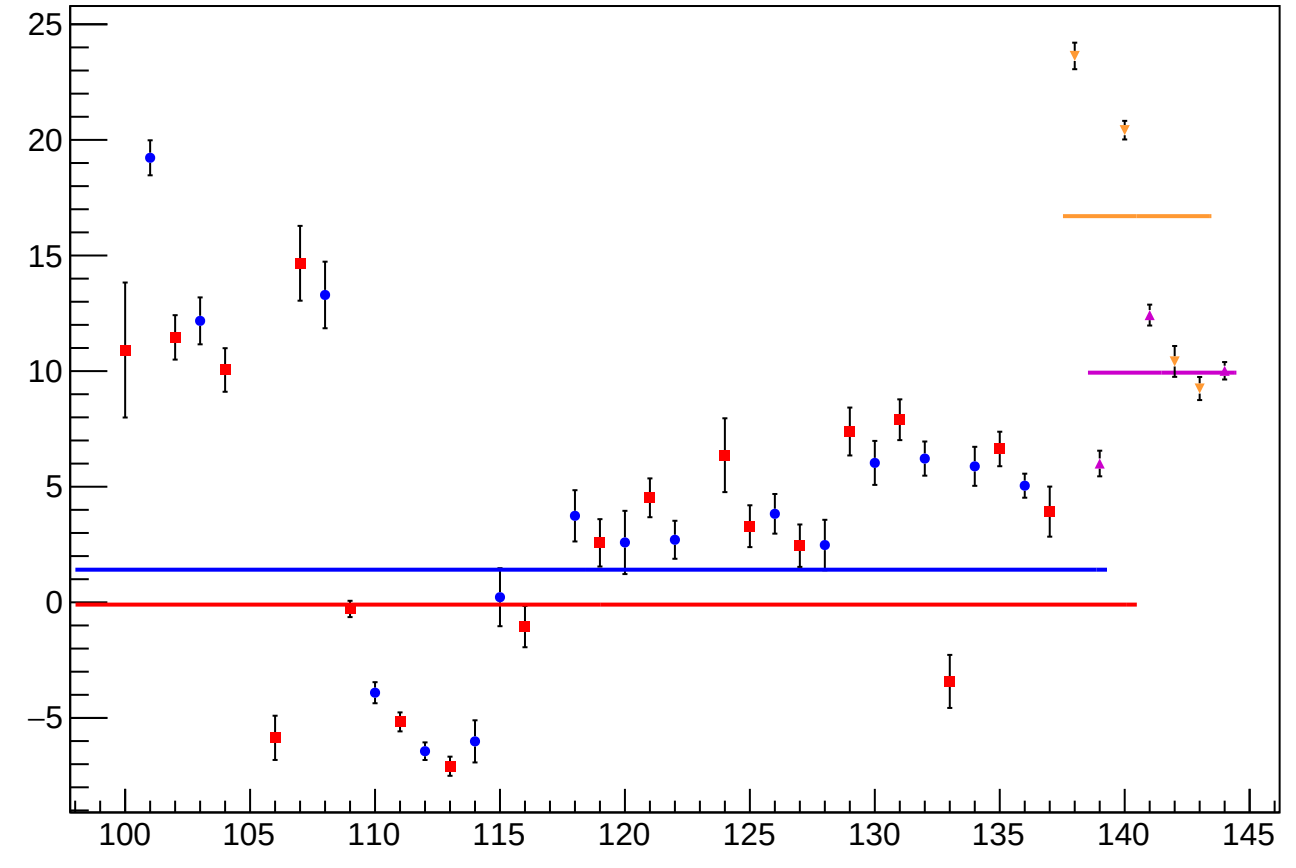
Left: 0.487+/-0.010 χ^2/NDF: 10.7/6

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.387+/-0.012 χ^2/NDF:583.8/18

Out: 0.359+/-0.013 χ^2/NDF:882.1/22

All: 0.375+/-0.009 χ^2/NDF: 1468.5/41



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 16.702+/-0.254 χ^2/NDF:542.7/3

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 9.933+/-0.257 χ^2/NDF:80.6/2

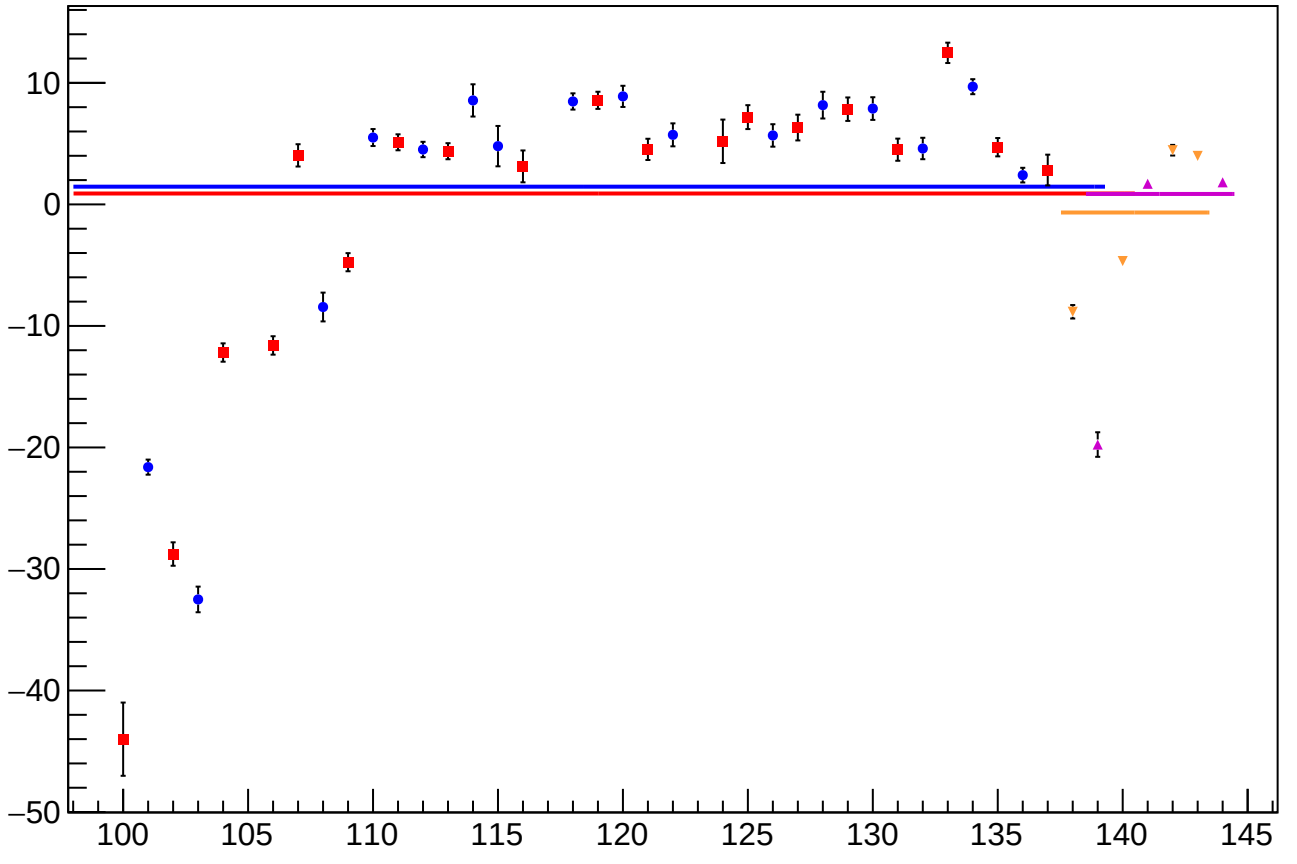
Left: 13.348+/-0.181 χ^2/NDF: 974.3/6

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.286+/-0.149 χ^2/NDF:2333.3/18

Out: 4.980+/-0.140 χ^2/NDF:4734.8/22

All: 4.655+/-0.102 χ^2/NDF: 7079.7/41



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: -0.667+/-0.199 χ^2/NDF:666.4/3

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 0.859+/-0.208 χ^2/NDF:434.3/2

Left: 0.063+/-0.144 χ^2/NDF: 1128.8/6

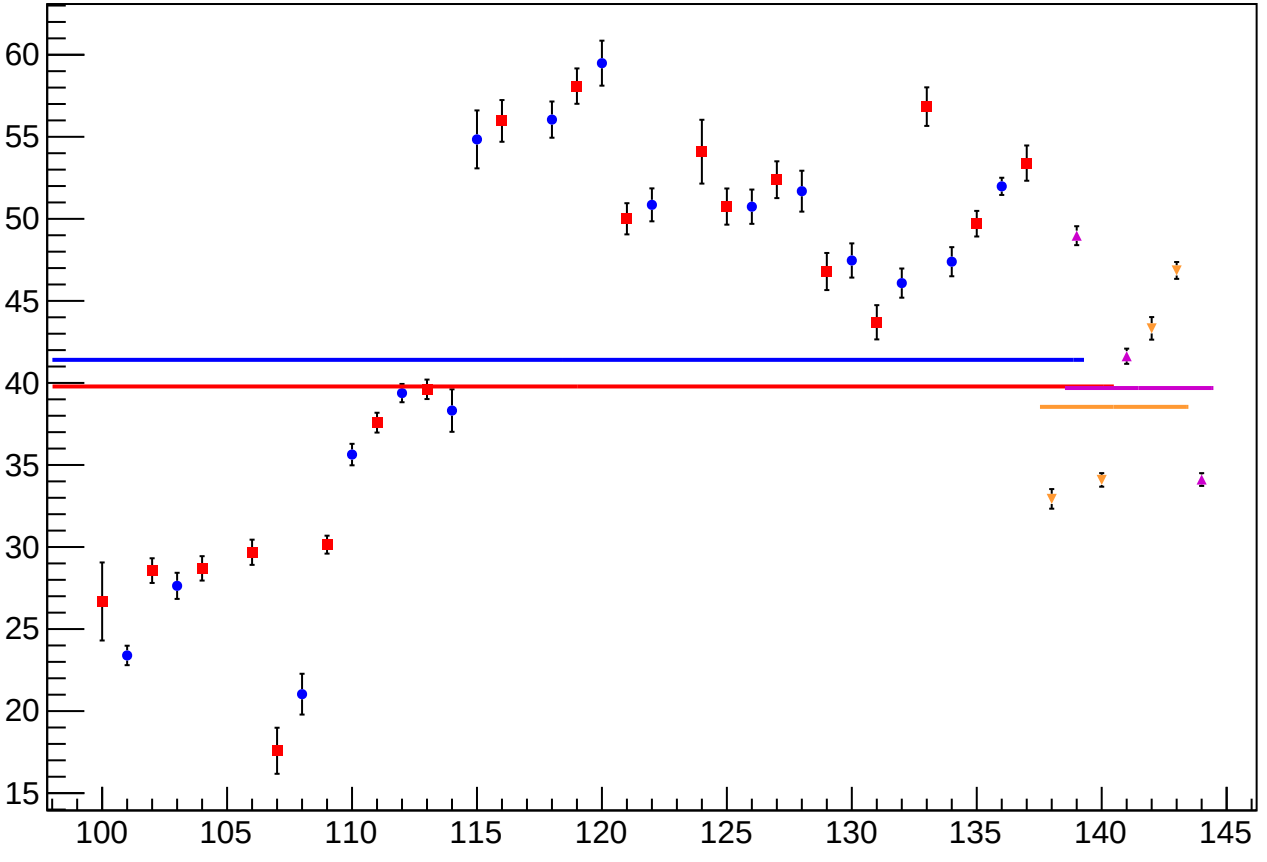
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 1.165+/-0.145 χ^2/NDF:3518.8/18

Out: 0.103+/-0.142 χ^2/NDF:3073.9/22

All: 0.621+/-0.101 χ^2/NDF: 6620.1/41

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: 38.542+/-0.262 χ^2/NDF:514.0/3

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 39.690+/-0.265 χ^2/NDF:482.1/2

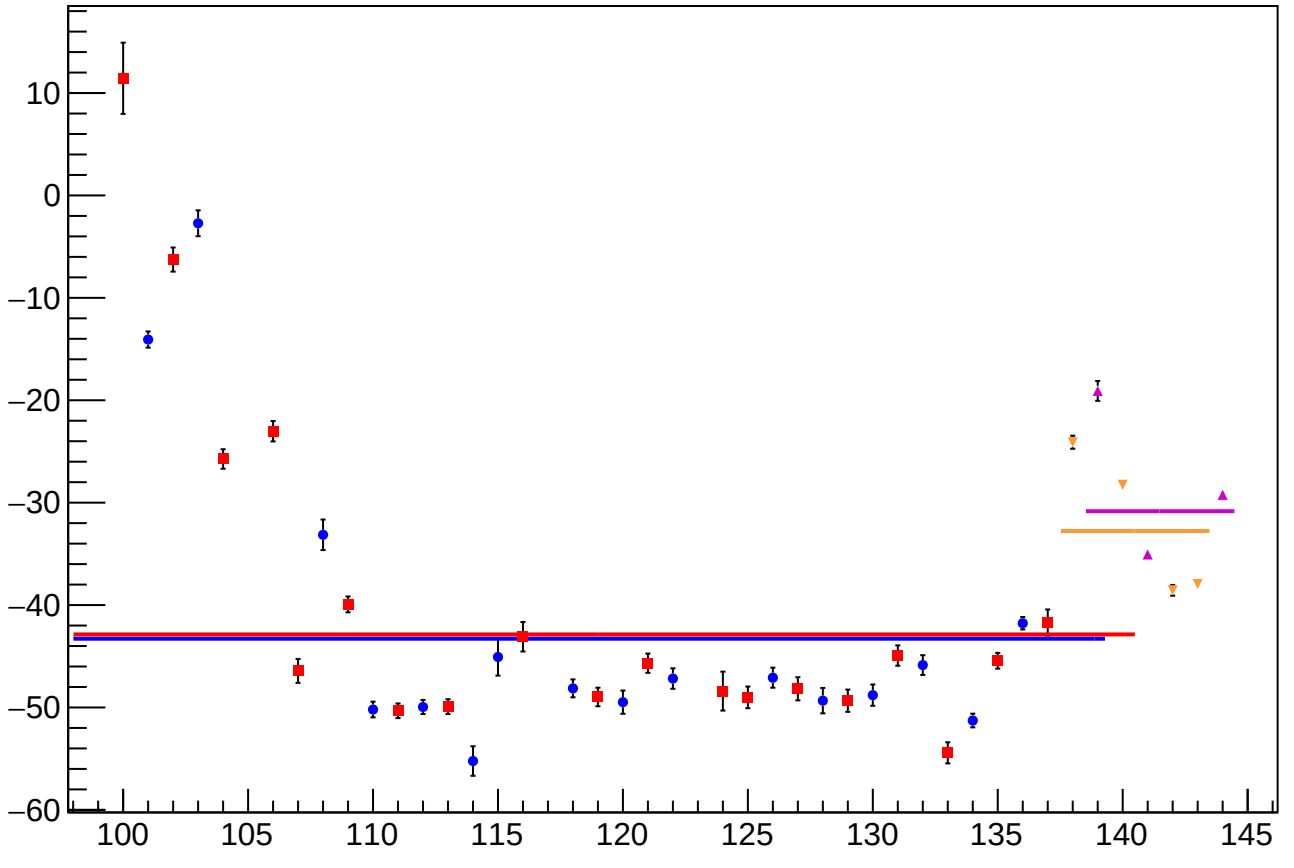
Left: 39.111+/-0.186 χ^2/NDF: 1005.6/6

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.741+/-0.165 χ^2/NDF:3253.9/18

Out: 39.319+/-0.160 χ^2/NDF:3181.8/22

All: 40.011+/-0.115 χ^2/NDF: 6474.0/41



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.769+/-0.237 χ^2/NDF:581.2/3

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -30.836+/-0.243 χ^2/NDF:287.0/2

Left: -31.826+/-0.169 χ^2/NDF: 900.7/6

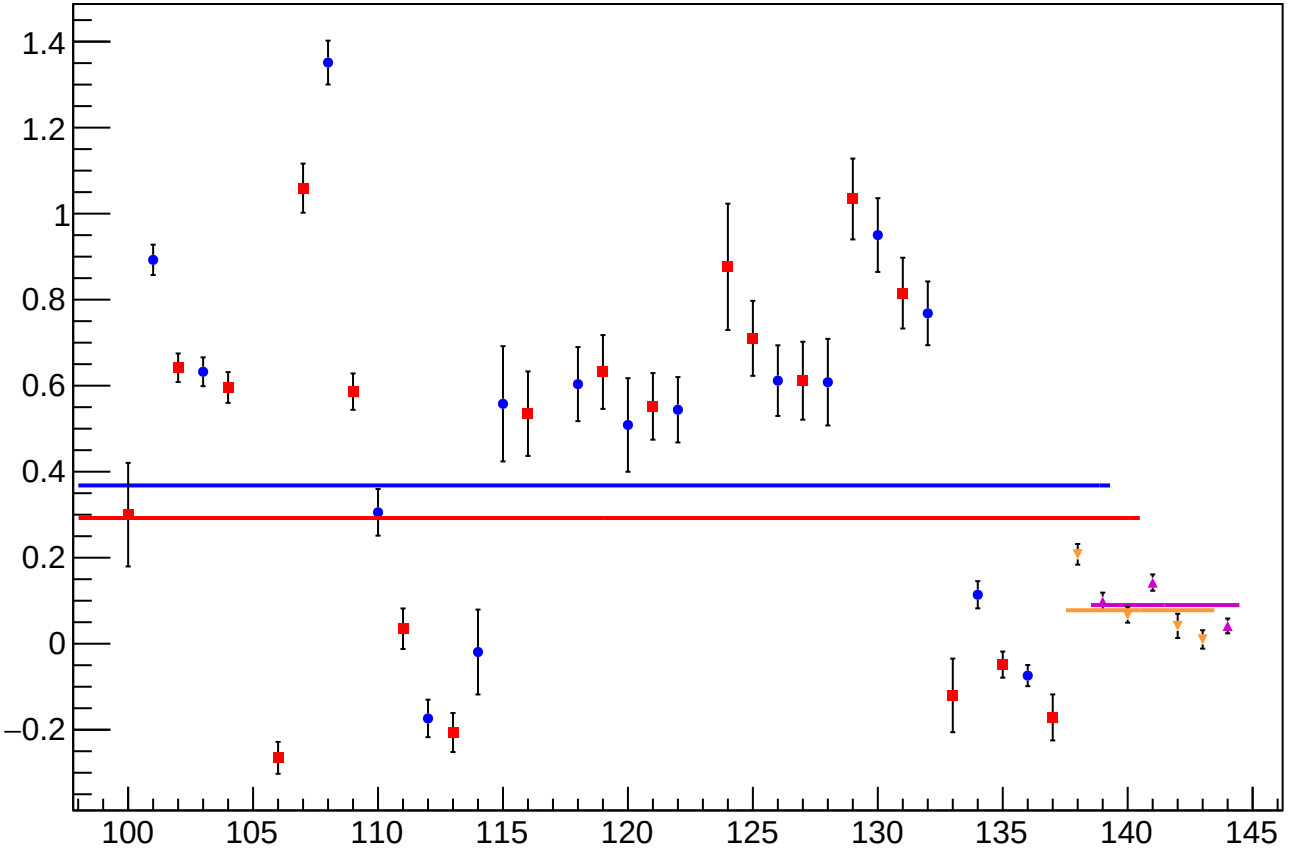
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.411+/-0.167 χ^2/NDF:4662.7/18

Out: -37.984+/-0.165 χ^2/NDF:3975.5/22

All: -37.701+/-0.117 χ^2/NDF: 8644.1/41

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.078+/-0.011 χ^2/NDF:41.3/3

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.090+/-0.011 χ^2/NDF:15.7/2

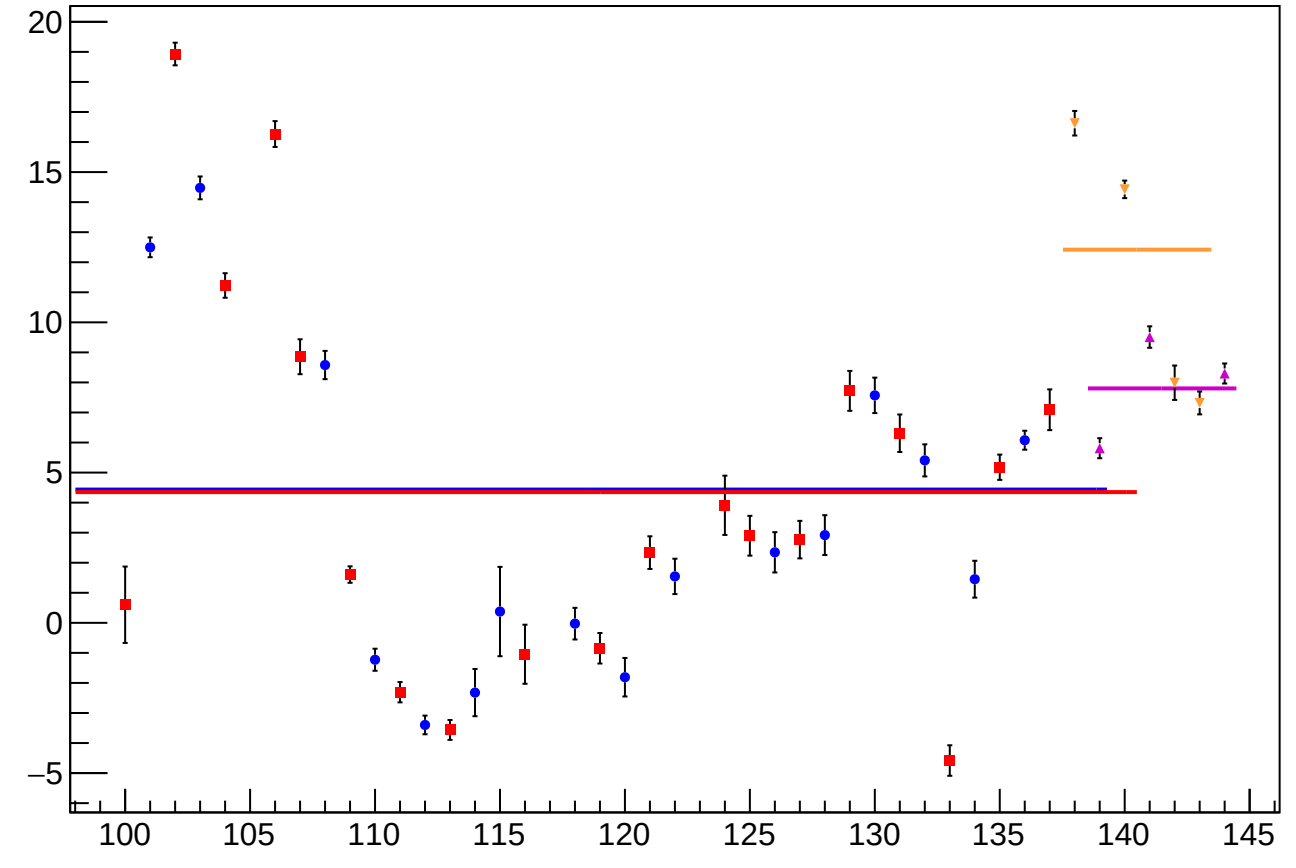
Left: 0.084+/-0.008 χ^2/NDF: 57.7/6

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.213+/-0.008 χ^2/NDF:1626.4/18

Out: 0.176+/-0.008 χ^2/NDF:1411.2/22

All: 0.194+/-0.006 χ^2/NDF: 3048.0/41



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 12.418+/-0.190 χ^2/NDF:393.2/3

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.801+/-0.197 χ^2/NDF:60.8/2

Left: 10.190+/-0.137 χ^2/NDF: 739.2/6

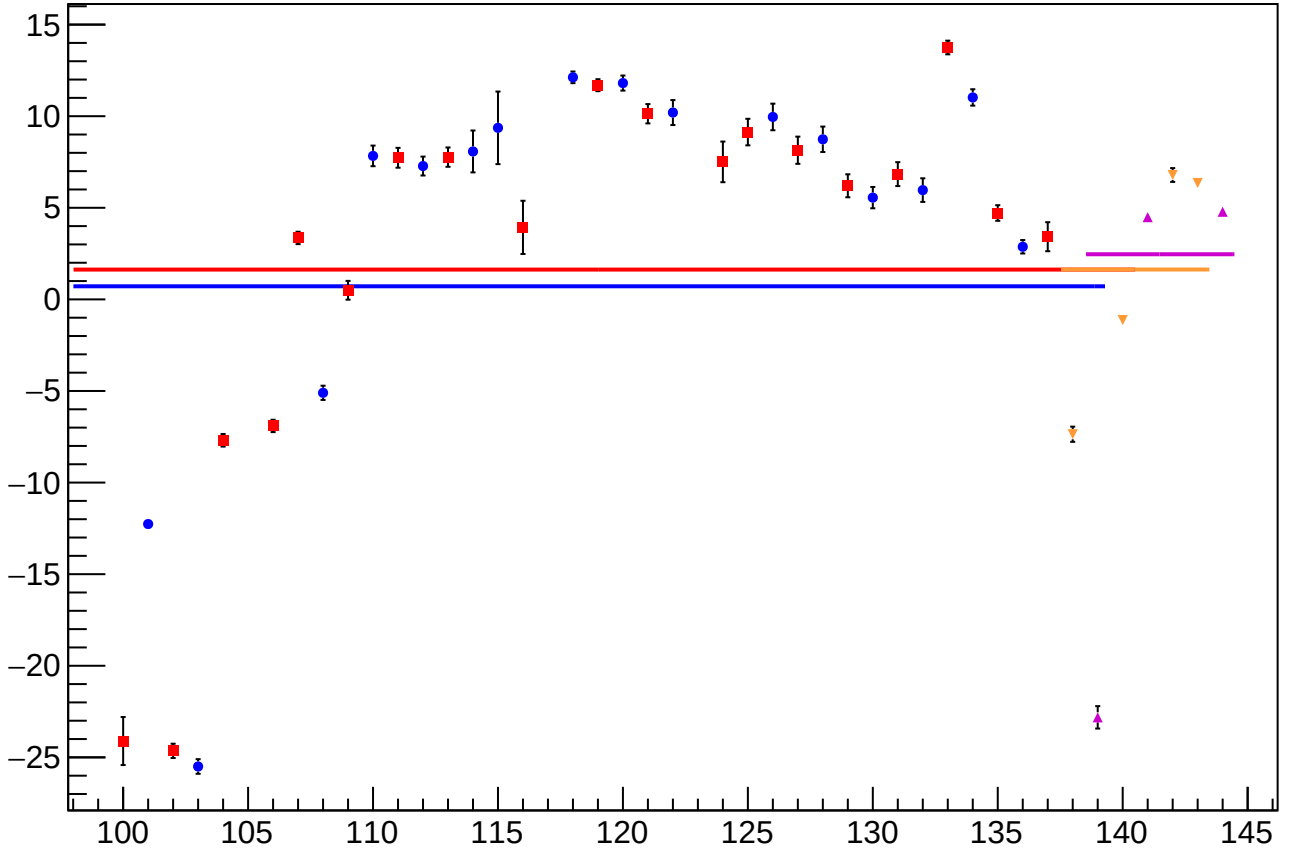
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.314+/-0.101 χ^2/NDF:2899.2/18

Out: 6.352+/-0.095 χ^2/NDF:5955.1/22

All: 5.865+/-0.069 χ^2/NDF: 8910.9/41

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: 1.631+/-0.153 χ^2/NDF:1080.8/3

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 2.464+/-0.172 χ^2/NDF:1855.1/2

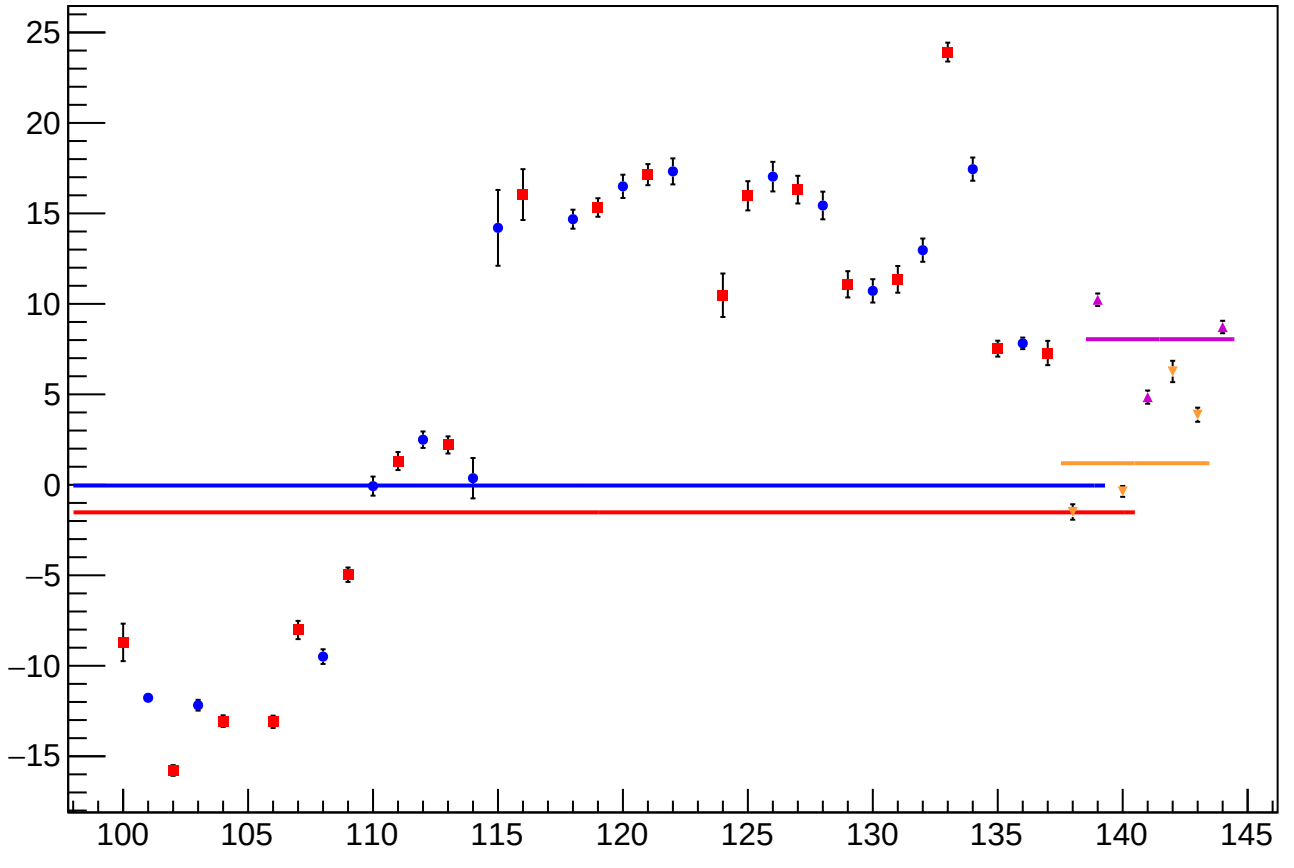
Left: 1.998+/-0.114 χ^2/NDF: 2949.0/6

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 1.259+/-0.096 χ^2/NDF:12379.9/18

Out: 1.628+/-0.090 χ^2/NDF:10336.4/22

All: 1.456+/-0.066 χ^2/NDF: 22724.2/41



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 1.193+/-0.196 χ^2/NDF:187.6/3

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.048+/-0.203 χ^2/NDF:119.9/2

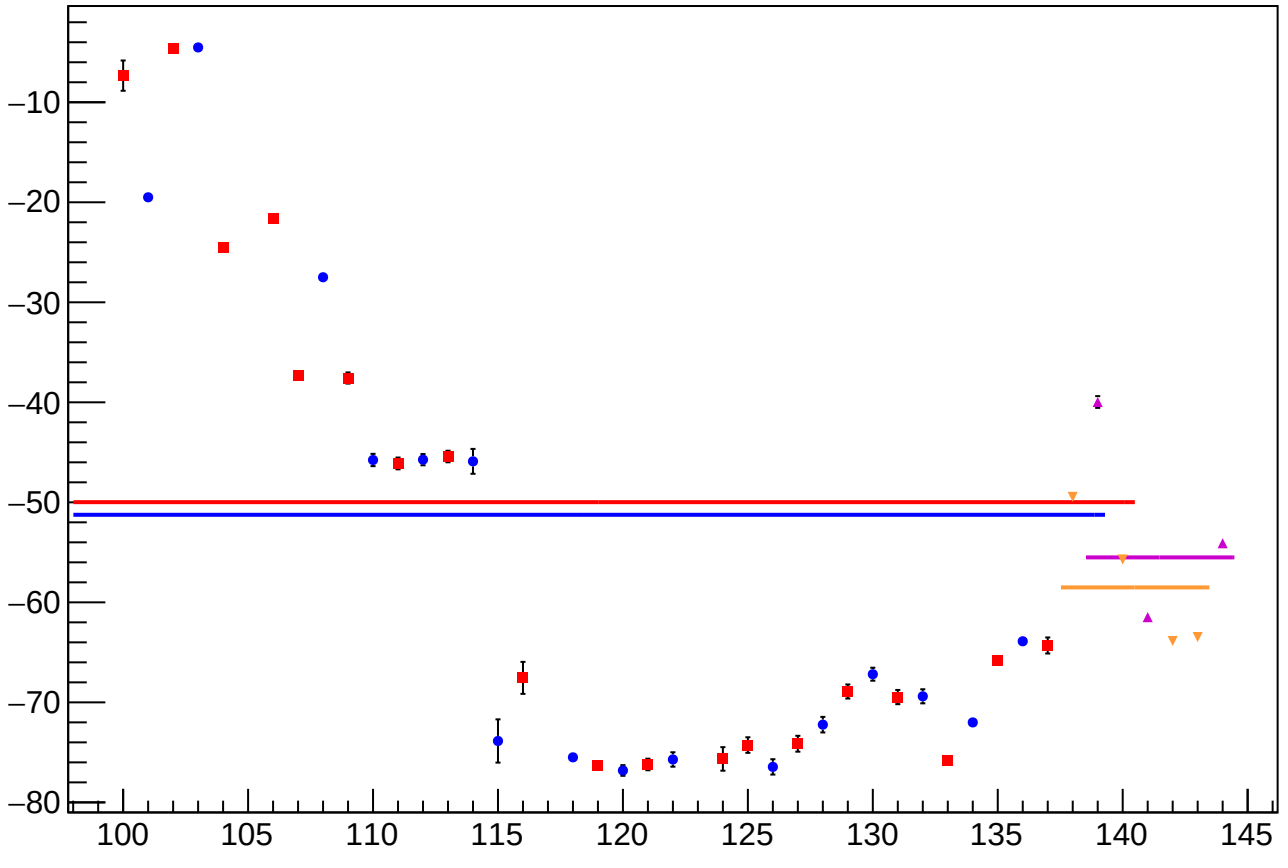
Left: 4.500+/-0.141 χ^2/NDF: 897.5/6

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 2.039+/-0.103 χ^2/NDF:10572.8/18

Out: -0.825+/-0.099 χ^2/NDF:12460.4/22

All: 0.555+/-0.071 χ^2/NDF: 23434.5/41



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.507+/-0.181 χ^2/NDF:835.4/3

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.506+/-0.199 χ^2/NDF:1092.6/2

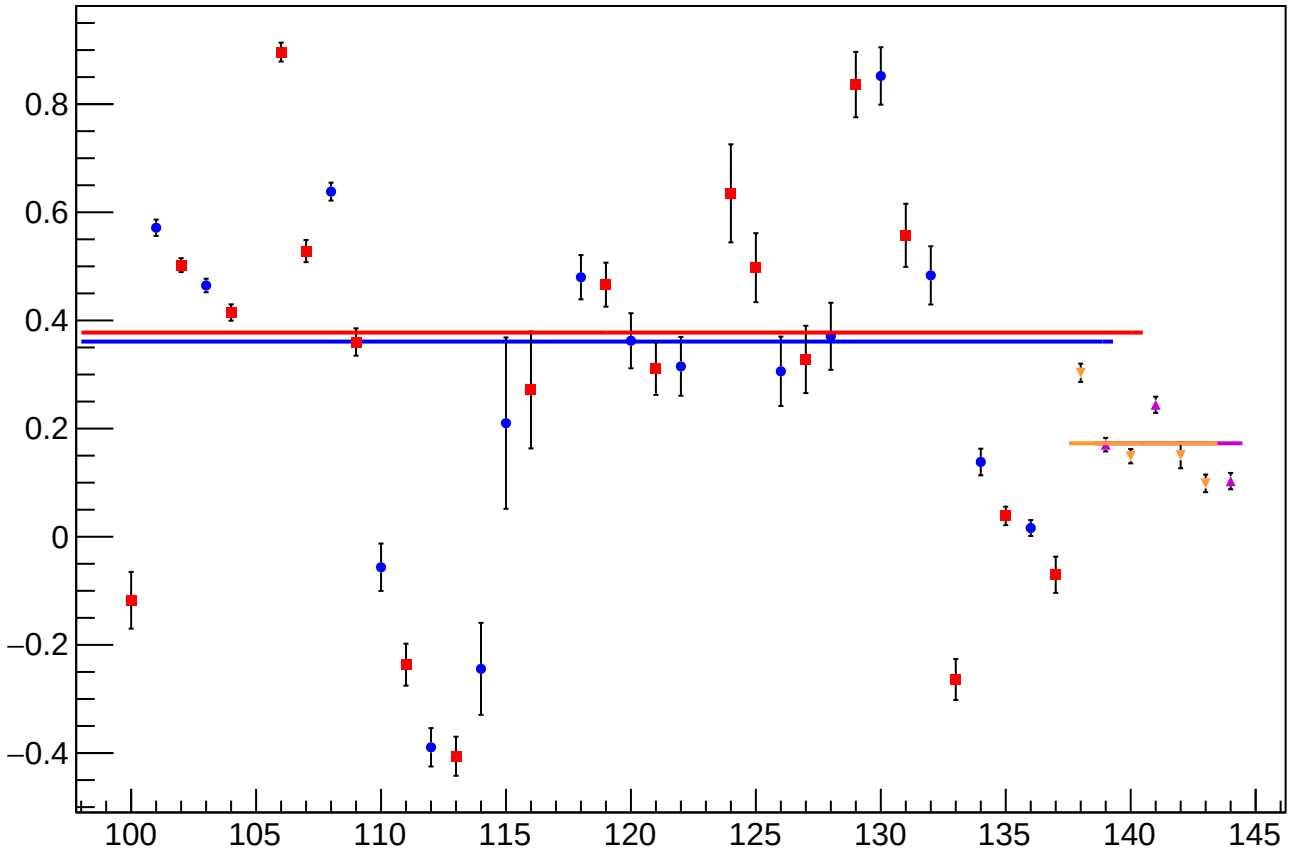
Left: -57.149+/-0.134 χ^2/NDF: 2052.3/6

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -52.598+/-0.112 χ^2/NDF:35170.3/18

Out: -52.902+/-0.106 χ^2/NDF:36184.7/22

All: -52.758+/-0.077 χ^2/NDF: 71358.8/41



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.173+/-0.008 χ^2/NDF:84.5/3

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.173+/-0.008 χ^2/NDF:44.1/2

Left: 0.173+/-0.006 χ^2/NDF: 128.6/6

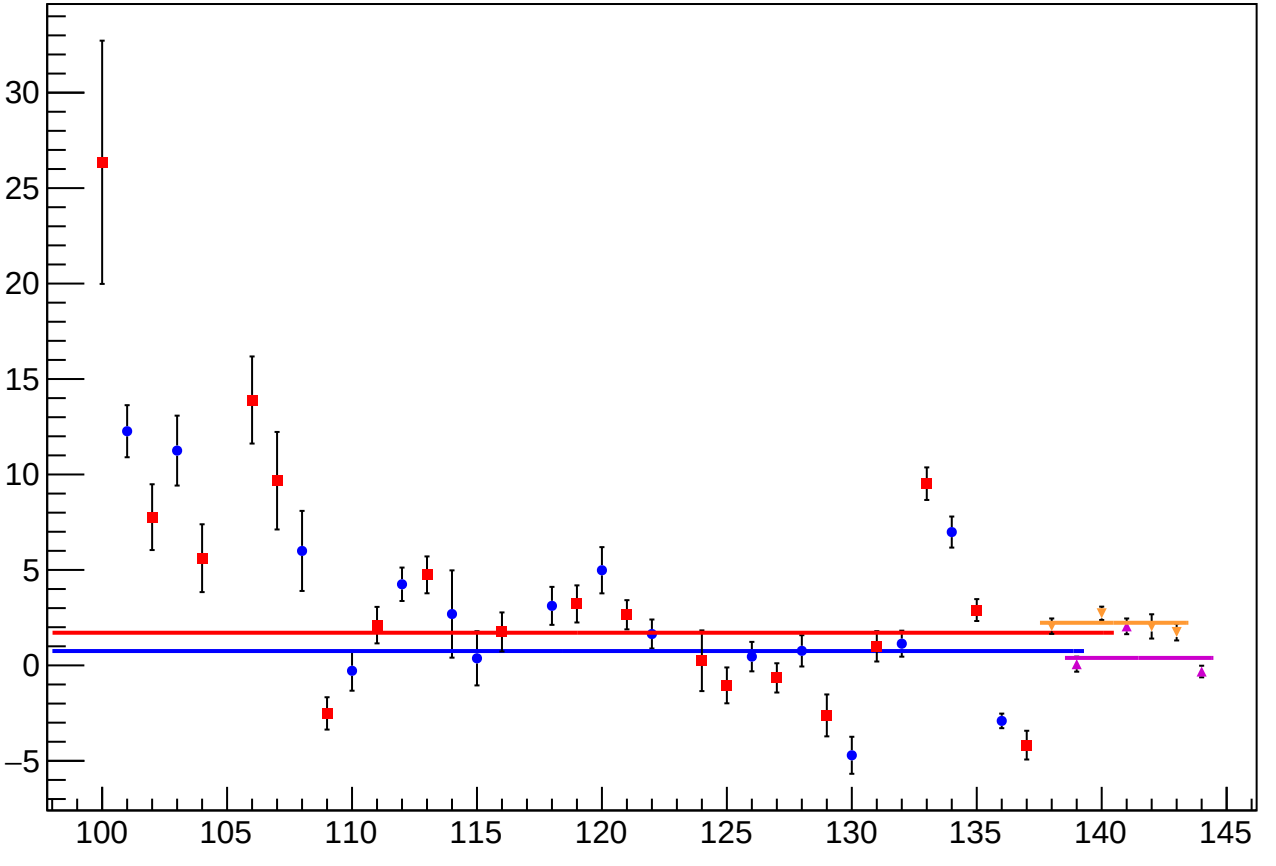
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.289+/-0.005 χ^2/NDF:2236.7/18

Out: 0.305+/-0.005 χ^2/NDF:3273.2/22

All: 0.297+/-0.004 χ^2/NDF: 5514.8/41

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.232+/-0.214 χ^2/NDF:3.5/3

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.392+/-0.208 χ^2/NDF:22.4/2

Left: 1.286+/-0.149 χ^2/NDF: 63.9/6

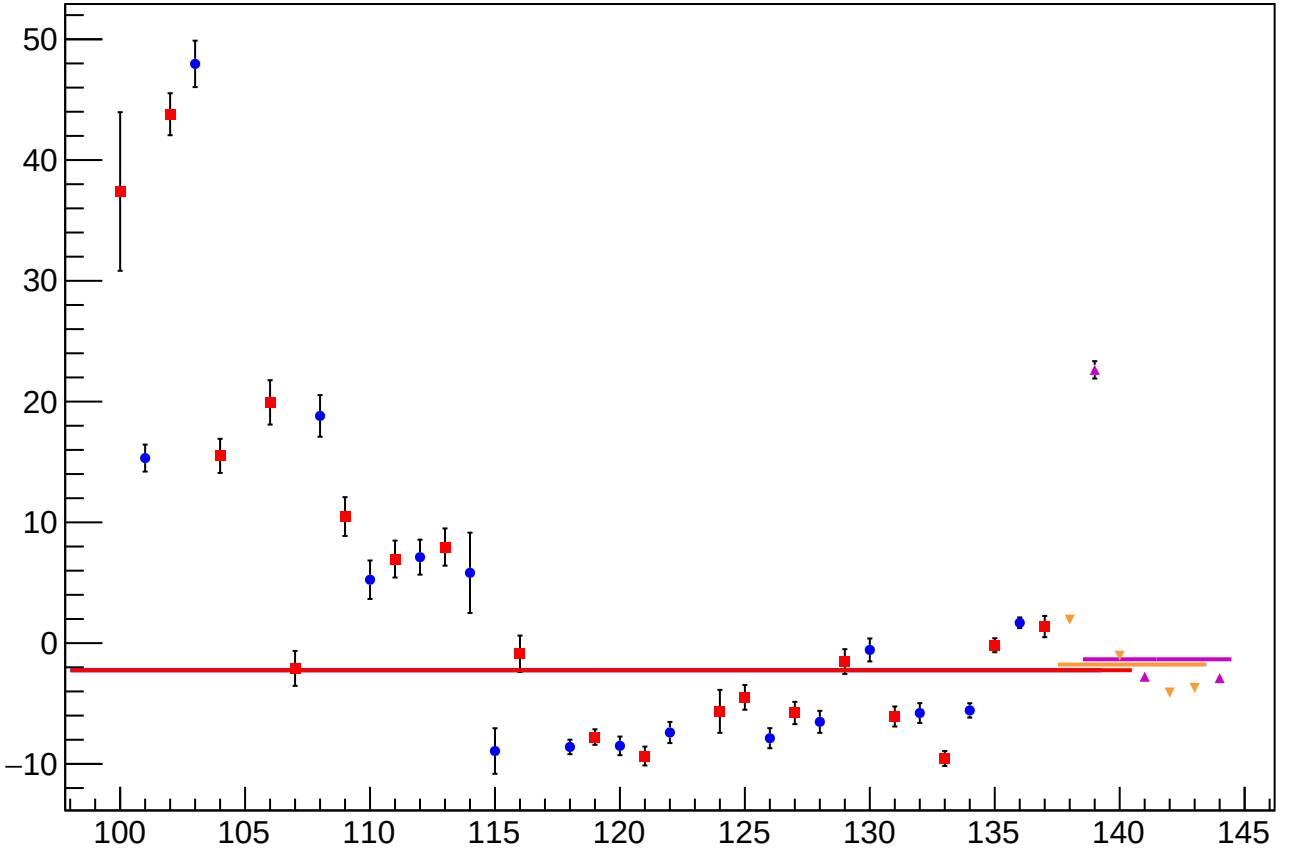
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.568+/-0.149 χ^2/NDF:353.9/18

Out: 1.982+/-0.154 χ^2/NDF:300.2/22

All: 1.248+/-0.107 χ^2/NDF: 697.7/41

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: -1.774+/-0.172 χ^2/NDF:162.0/3

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -1.338+/-0.175 χ^2/NDF:1184.7/2

Left: -1.560+/-0.123 χ^2/NDF: 1349.9/6

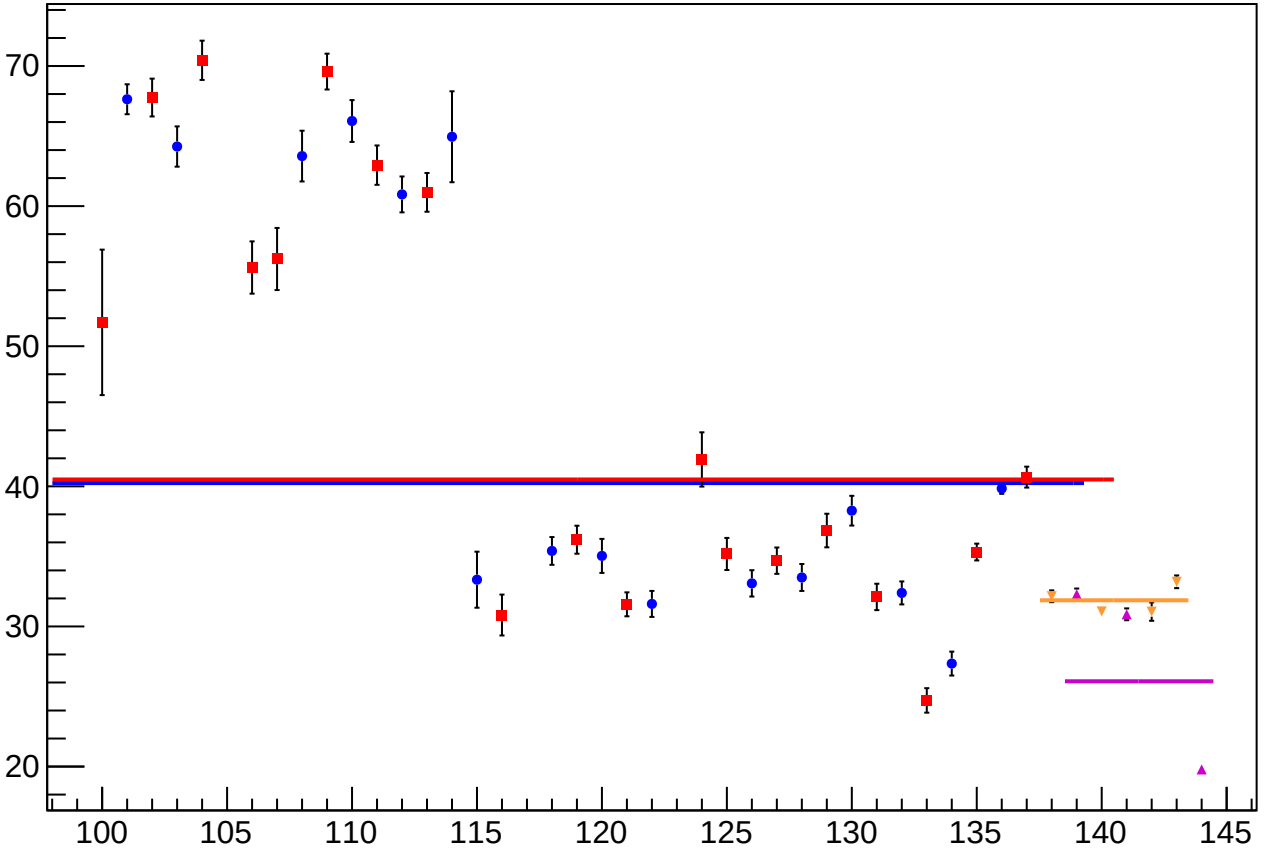
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -1.699+/-0.136 χ^2/NDF:2767.9/18

Out: -1.943+/-0.137 χ^2/NDF:1720.3/22

All: -1.819+/-0.097 χ^2/NDF: 4489.9/41

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: 31.867+/-0.221 χ^2/NDF:15.3/3

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 26.087+/-0.215 χ^2/NDF:757.4/2

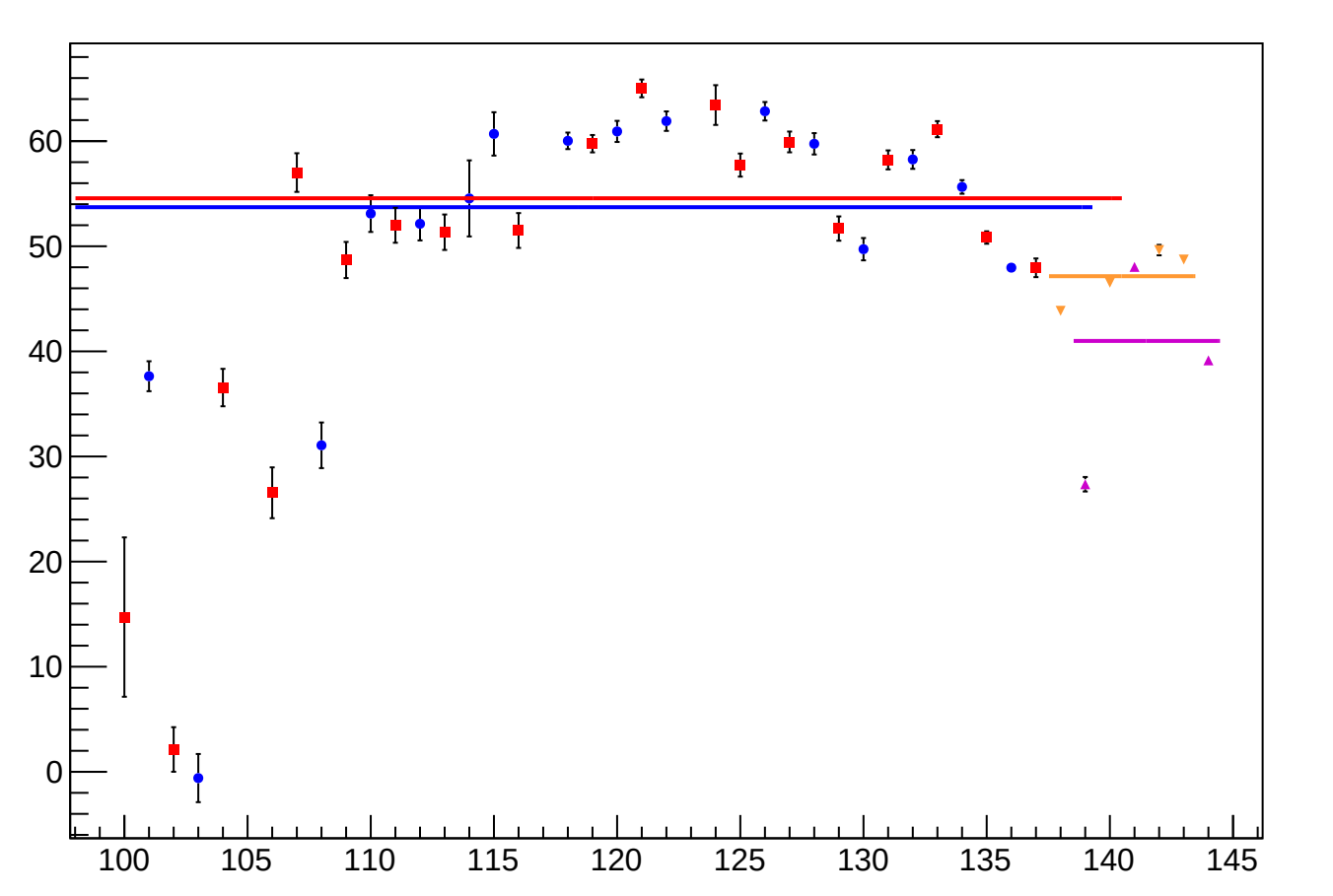
Left: 28.897+/-0.154 χ^2/NDF: 1124.6/6

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 32.633+/-0.157 χ^2/NDF:5055.2/18

Out: 35.640+/-0.166 χ^2/NDF:3380.2/22

All: 34.060+/-0.114 χ^2/NDF: 8608.4/41



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 47.151+/-0.204 χ^2/NDF:98.3/3

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 40.992+/-0.203 χ^2/NDF:828.8/2

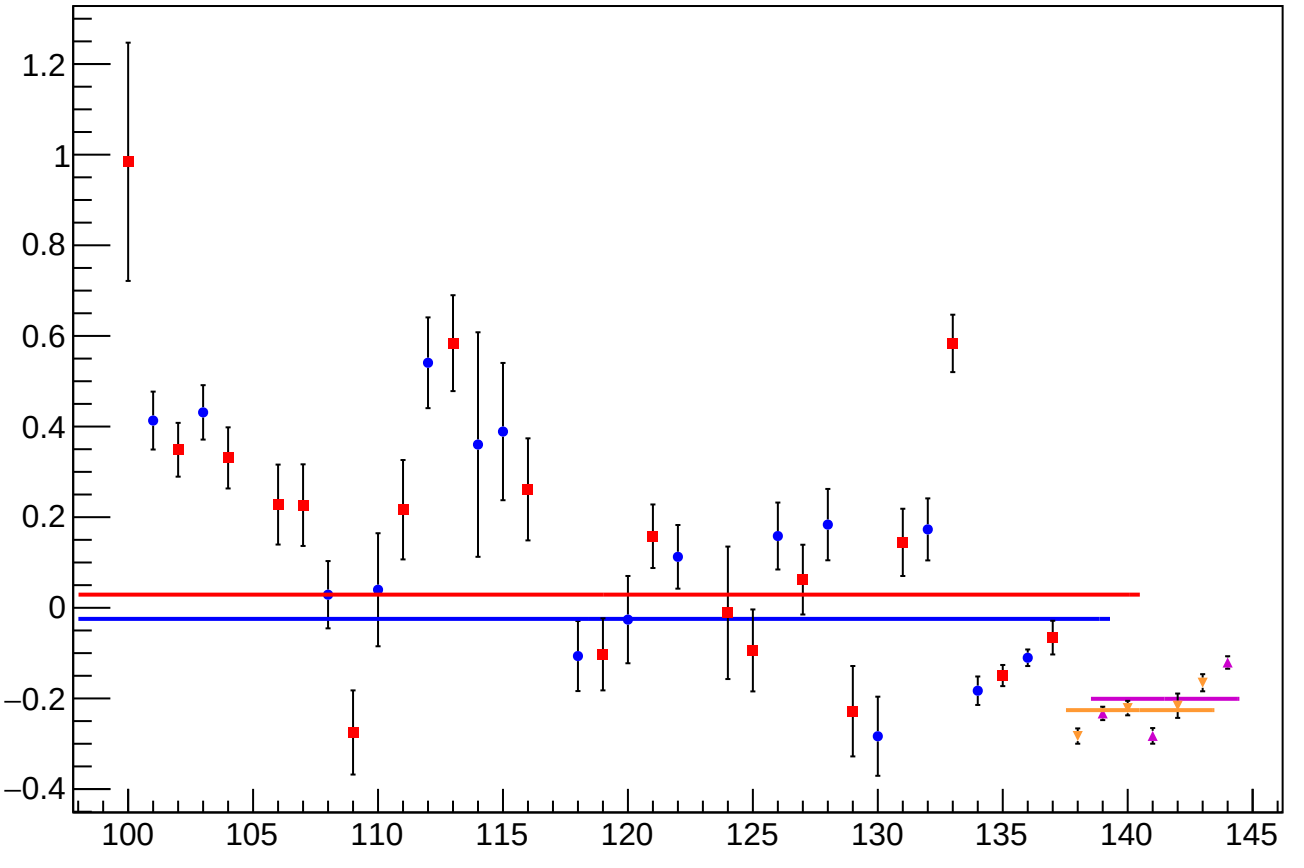
Left: 44.058+/-0.144 χ^2/NDF: 1385.1/6

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 46.325+/-0.155 χ^2/NDF:3837.5/18

Out: 50.028+/-0.160 χ^2/NDF:1953.6/22

All: 48.120+/-0.111 χ^2/NDF: 6068.7/41



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.226+/-0.009 χ^2/NDF:21.9/3

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.201+/-0.009 χ^2/NDF:61.1/2

Left: -0.213+/-0.006 χ^2/NDF: 86.9/6

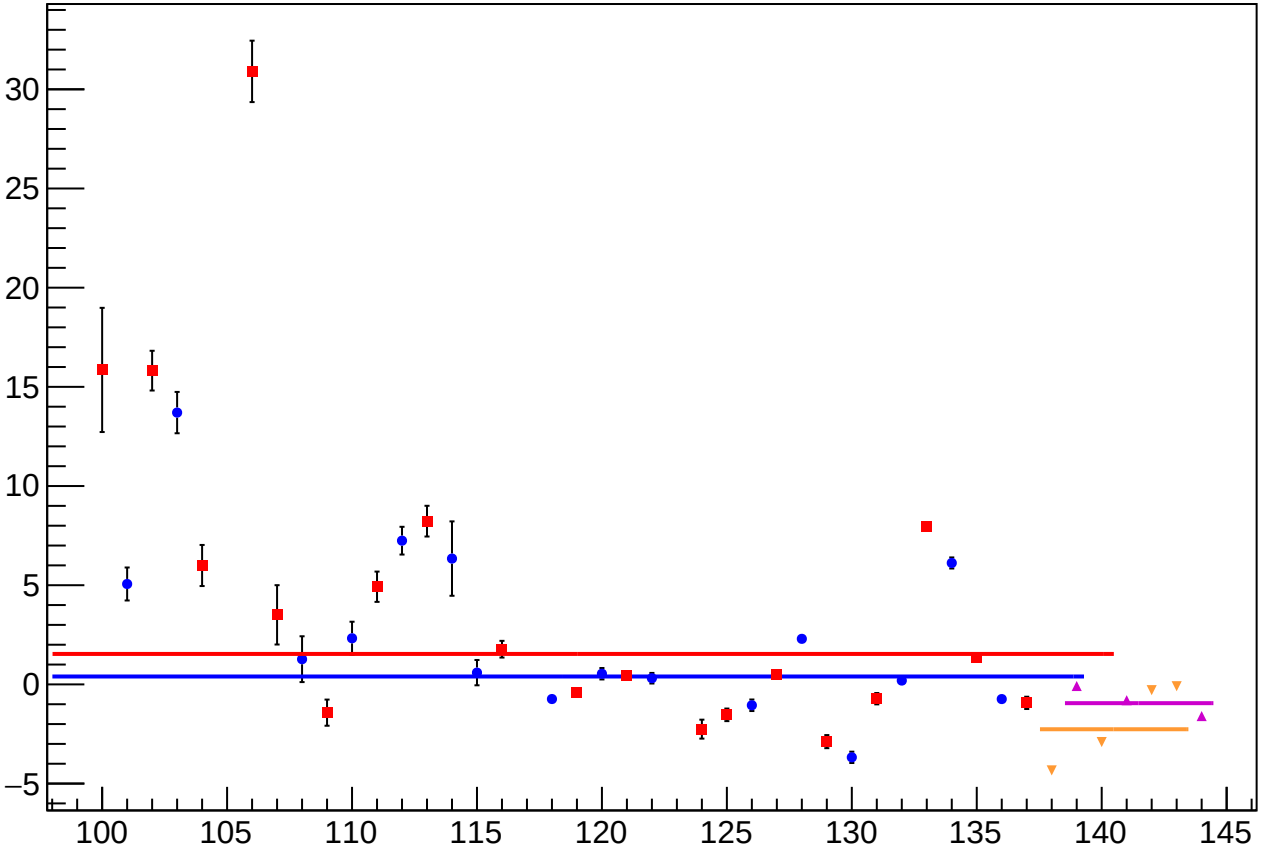
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.145+/-0.007 χ^2/NDF:420.7/18

Out: -0.150+/-0.008 χ^2/NDF:523.0/22

All: -0.147+/-0.005 χ^2/NDF: 943.9/41

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.261+/-0.080 χ^2/NDF:416.4/3

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.946+/-0.074 χ^2/NDF:74.5/2

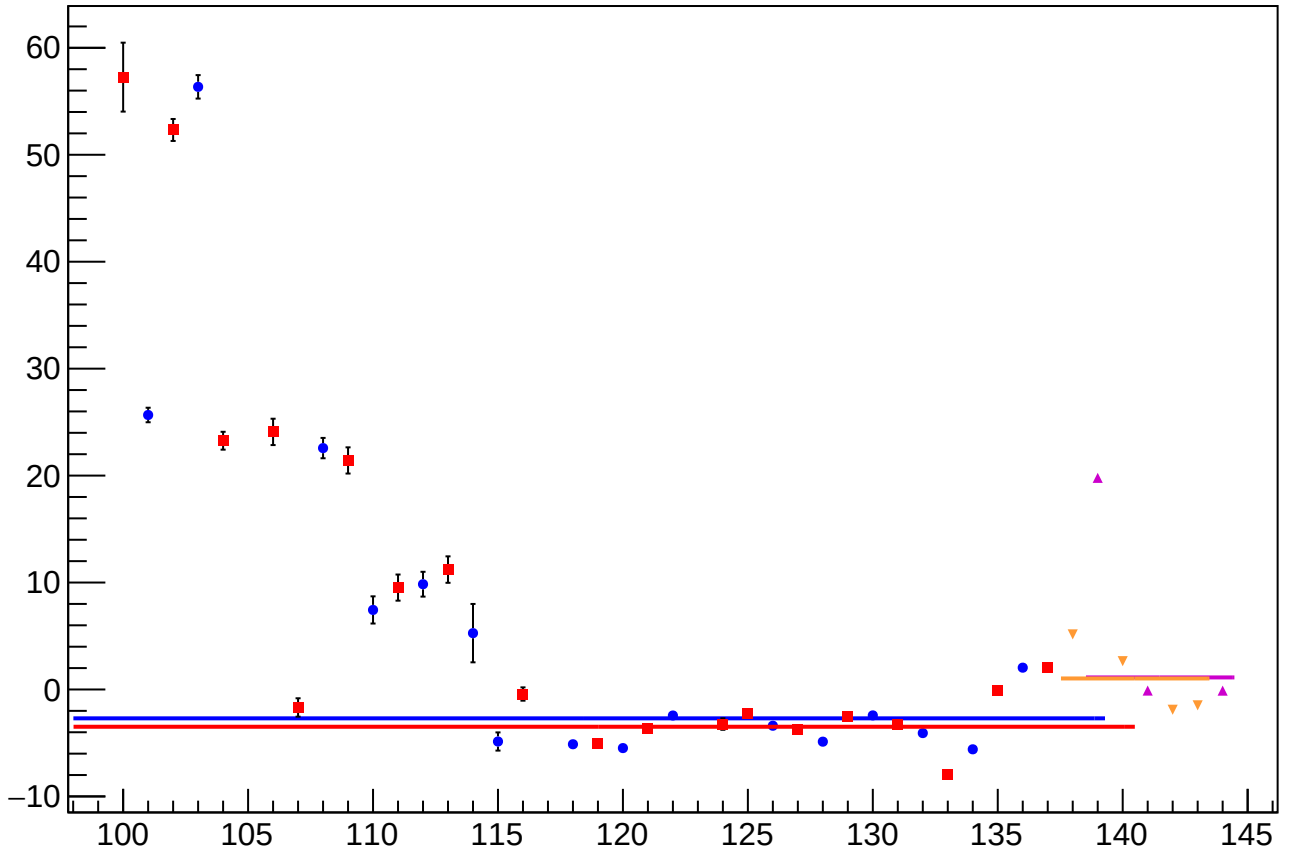
Left: -1.558+/-0.054 χ^2/NDF: 635.9/6

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.297+/-0.054 χ^2/NDF:1329.2/18

Out: -0.321+/-0.056 χ^2/NDF:3981.2/22

All: -0.309+/-0.039 χ^2/NDF: 5310.6/41



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 1.030+/-0.064 χ^2/NDF:1627.3/3

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 1.126+/-0.063 χ^2/NDF:5739.6/2

Left: 1.079+/-0.045 χ^2/NDF: 7368.0/6

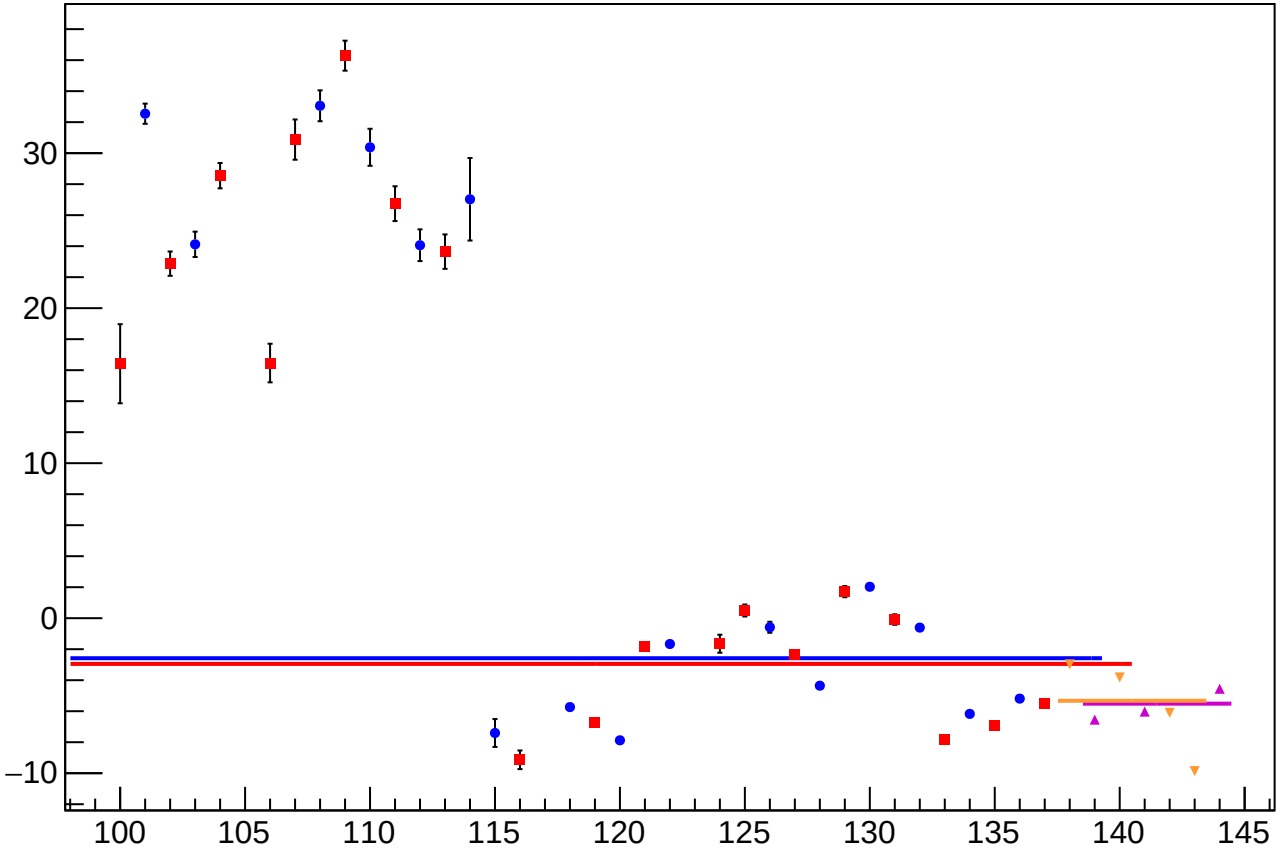
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.574+/-0.047 χ^2/NDF:14468.0/18

Out: -1.006+/-0.048 χ^2/NDF:11017.5/22

All: -0.788+/-0.033 χ^2/NDF: 25527.0/41

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: -5.327+/-0.082 χ^2/NDF:1042.1/3

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -5.513+/-0.077 χ^2/NDF:133.3/2

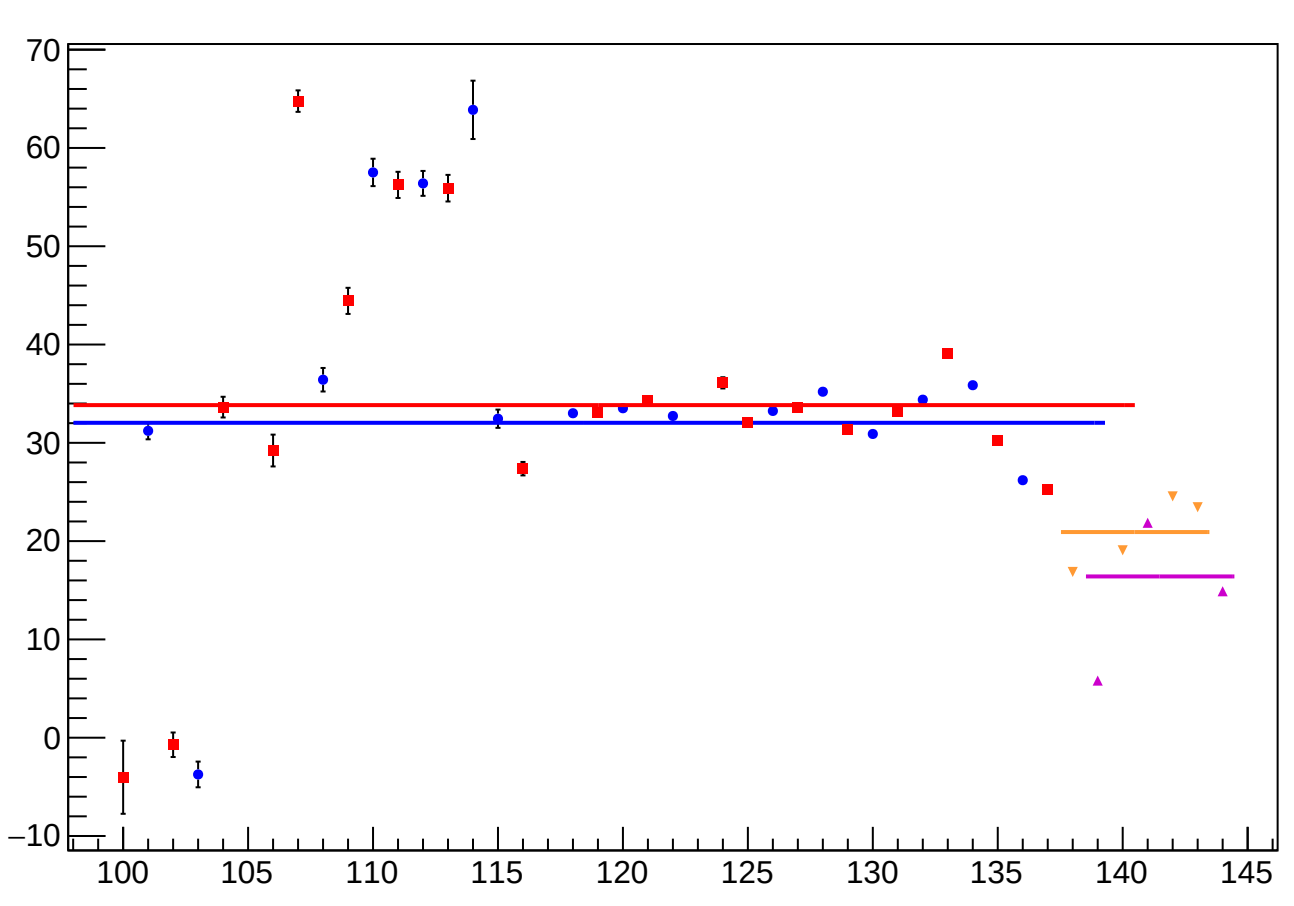
Left: -5.426+/-0.056 χ^2/NDF: 1178.2/6

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -4.161+/-0.056 χ^2/NDF:8963.5/18

Out: -4.173+/-0.059 χ^2/NDF:9642.2/22

All: -4.166+/-0.041 χ^2/NDF: 18605.7/41



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.923+/-0.076 χ^2/NDF:1363.8/3

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 16.407+/-0.073 χ^2/NDF:3974.0/2

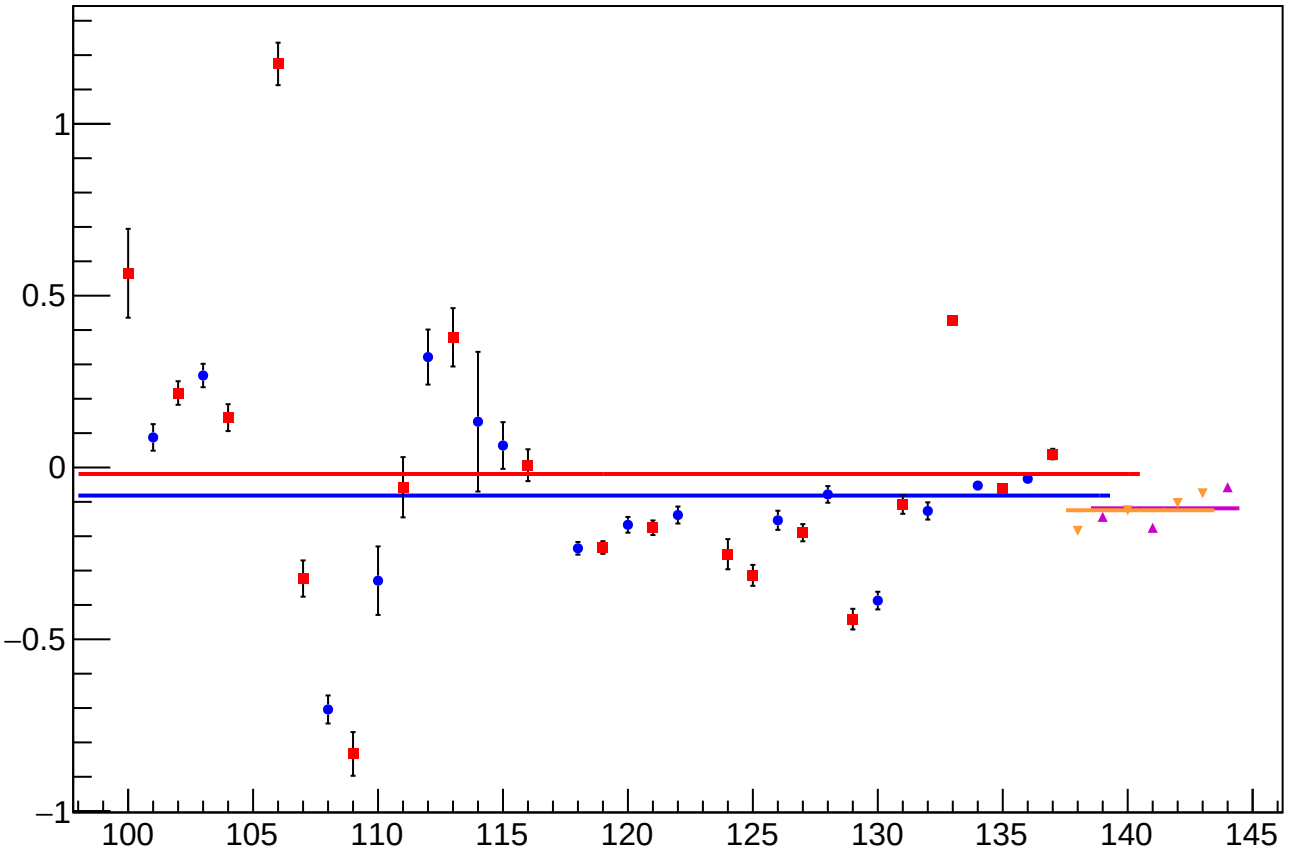
Left: 18.579+/-0.053 χ^2/NDF: 7163.1/6

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 23.418+/-0.054 χ^2/NDF:27620.8/18

Out: 26.934+/-0.056 χ^2/NDF:18983.2/22

All: 25.137+/-0.039 χ^2/NDF: 48642.4/41



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.124+/-0.003 χ^2/NDF:124.1/3

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.119+/-0.003 χ^2/NDF:257.5/2

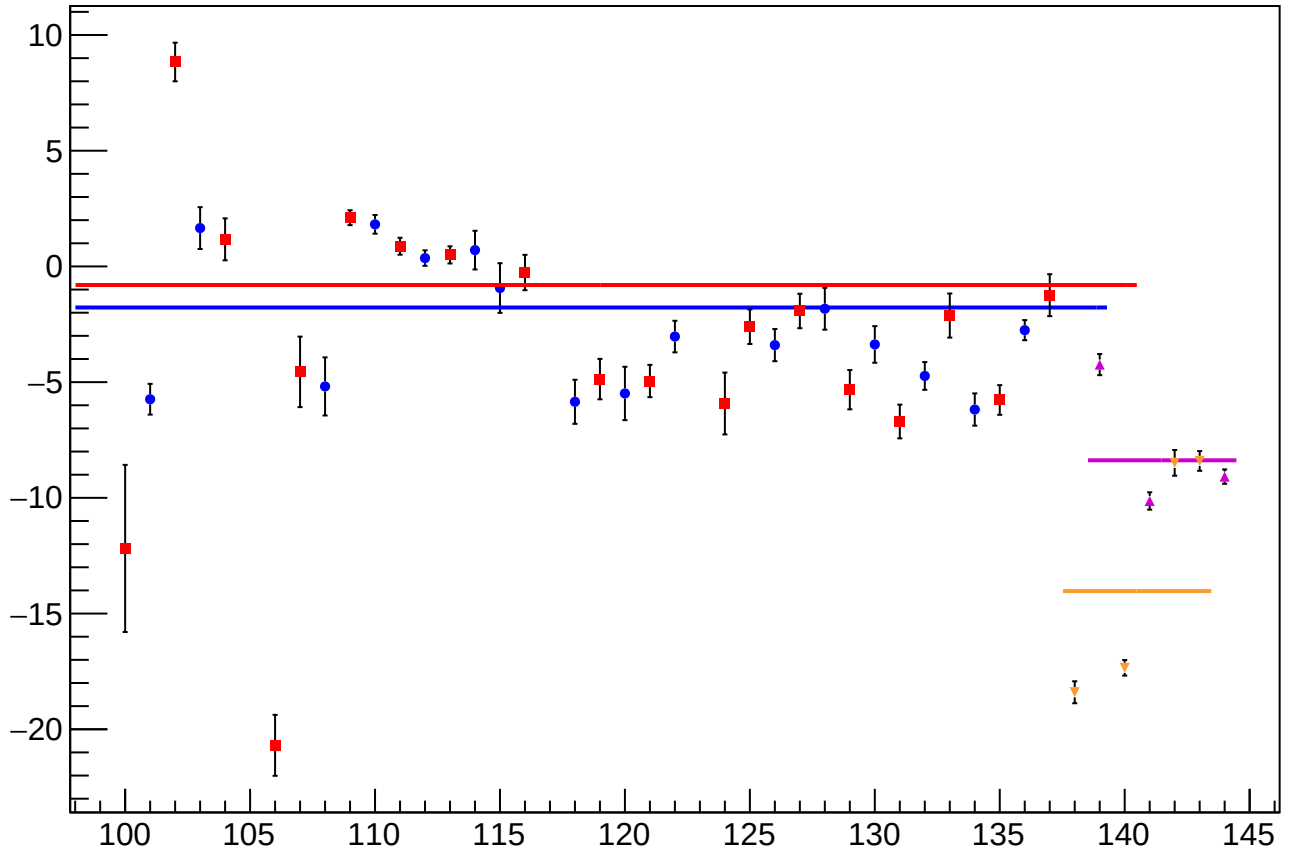
Left: -0.121+/-0.002 χ^2/NDF: 383.1/6

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.108+/-0.003 χ^2/NDF:988.5/18

Out: -0.092+/-0.003 χ^2/NDF:2682.2/22

All: -0.101+/-0.002 χ^2/NDF: 3687.6/41



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.029+/-0.213 χ^2/NDF:455.9/3

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -8.378+/-0.212 χ^2/NDF:109.1/2

Left: -11.189+/-0.150 χ^2/NDF: 919.2/6

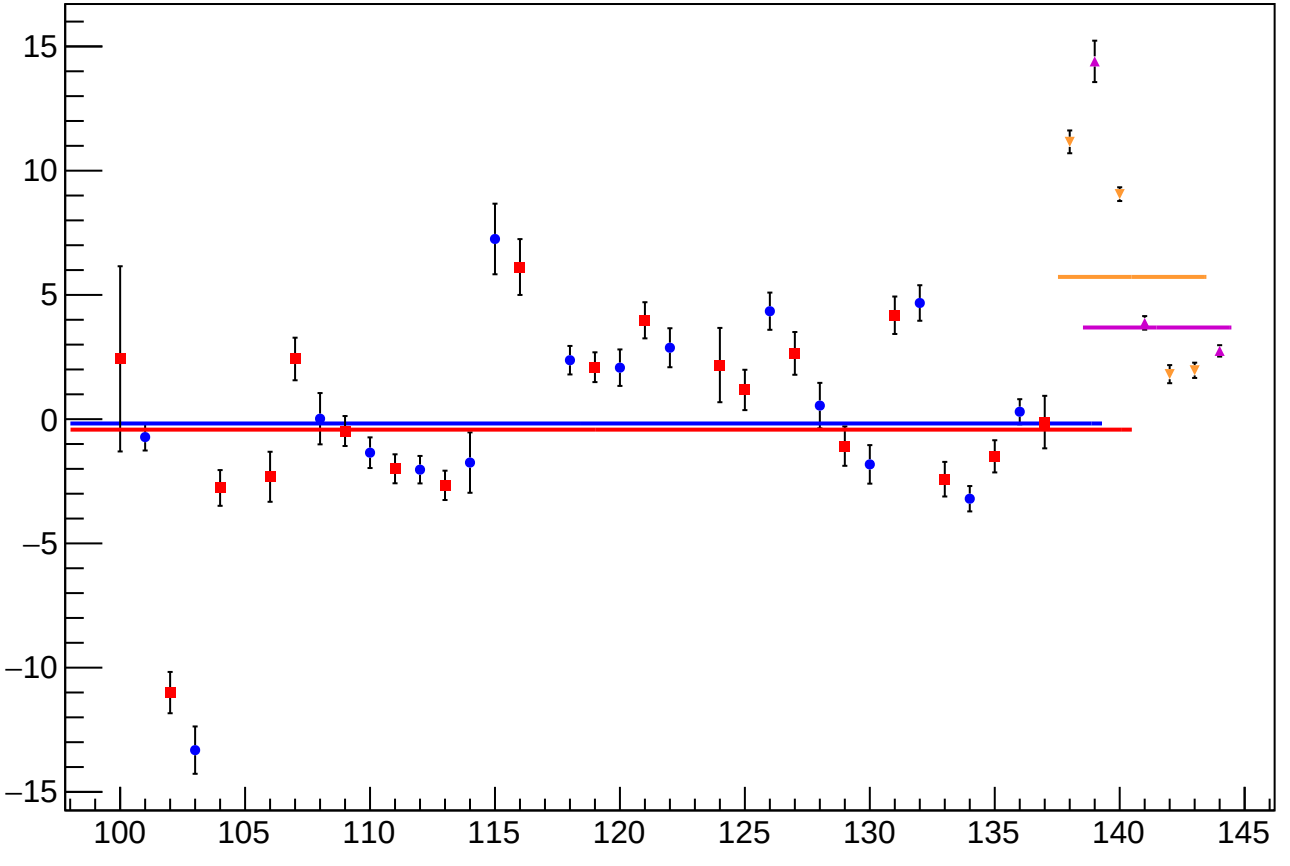
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.119+/-0.126 χ^2/NDF:1033.6/18

Out: -5.126+/-0.122 χ^2/NDF:3788.5/22

All: -4.640+/-0.088 χ^2/NDF: 4855.0/41

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: 5.725+/-0.167 χ^2/NDF:550.3/3

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 3.689+/-0.172 χ^2/NDF:182.5/2

Left: 4.736+/-0.120 χ^2/NDF: 805.2/6

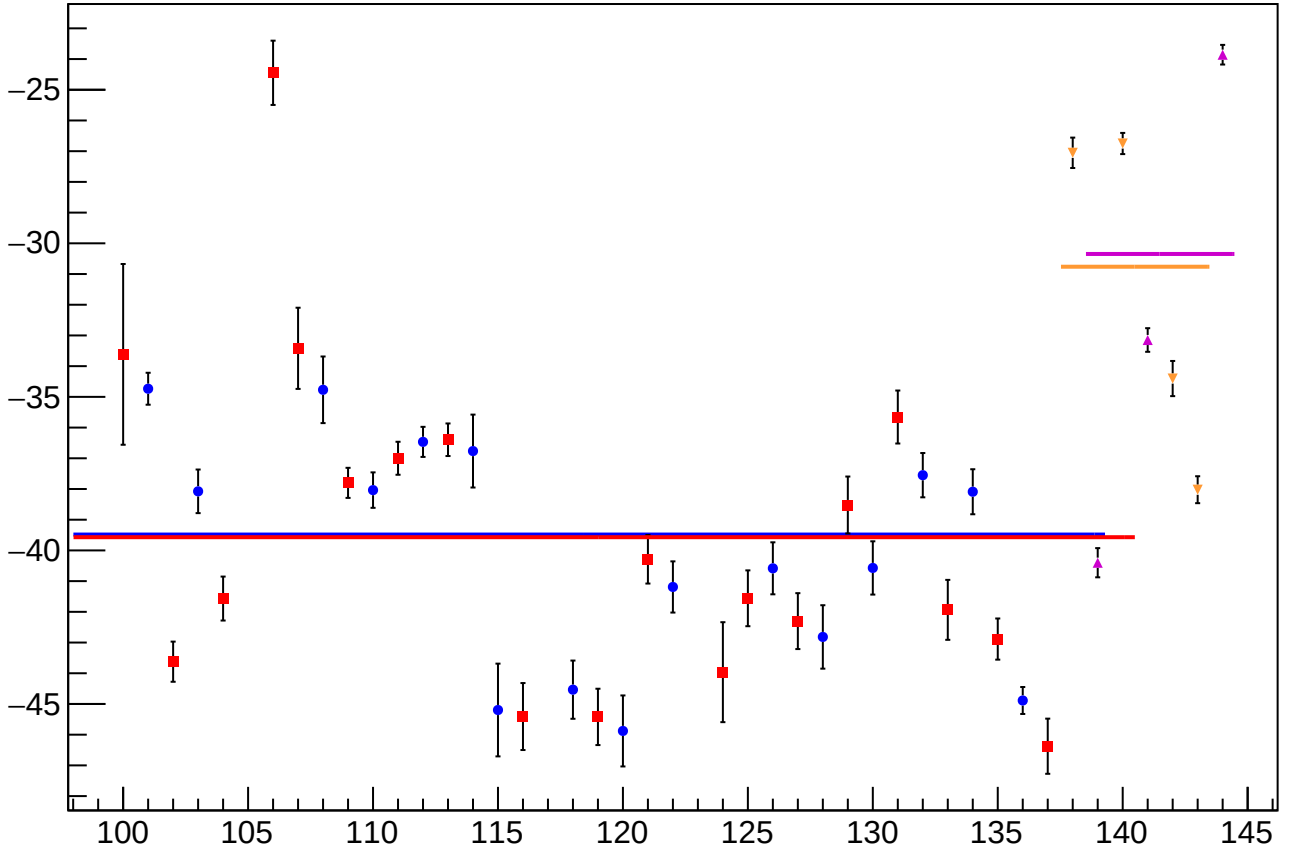
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.772+/-0.122 χ^2/NDF:836.8/18

Out: 2.838+/-0.121 χ^2/NDF:1554.3/22

All: 2.307+/-0.086 χ^2/NDF: 2429.4/41

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -30.762+/-0.220 χ^2/NDF:506.0/3

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -30.347+/-0.218 χ^2/NDF:911.8/2

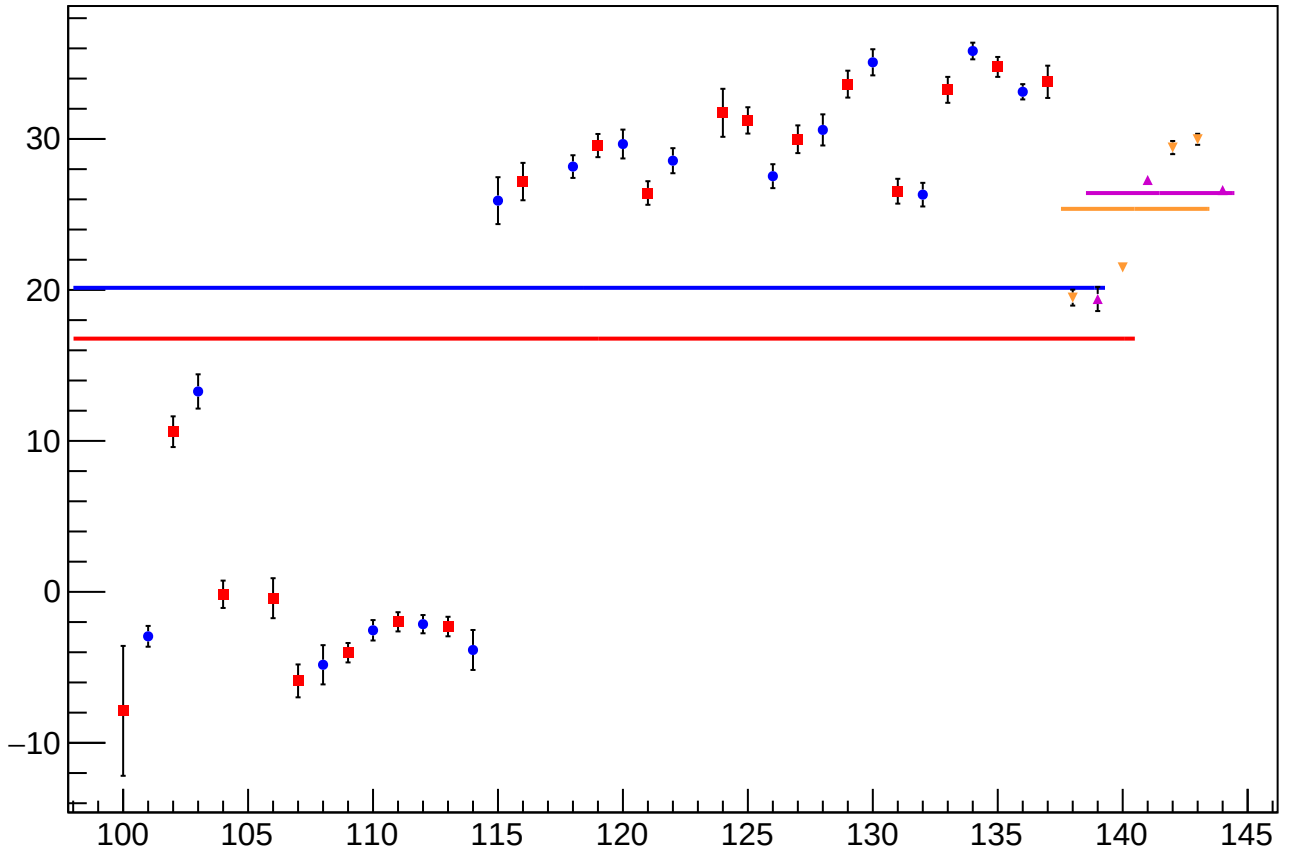
Left: -30.553+/-0.155 χ^2/NDF: 1419.6/6

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -35.783+/-0.139 χ^2/NDF:2361.9/18

Out: -36.007+/-0.140 χ^2/NDF:2017.5/22

All: -35.895+/-0.099 χ^2/NDF: 4380.7/41



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 25.371+/-0.198 χ^2/NDF:506.4/3

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.417+/-0.200 χ^2/NDF:84.6/2

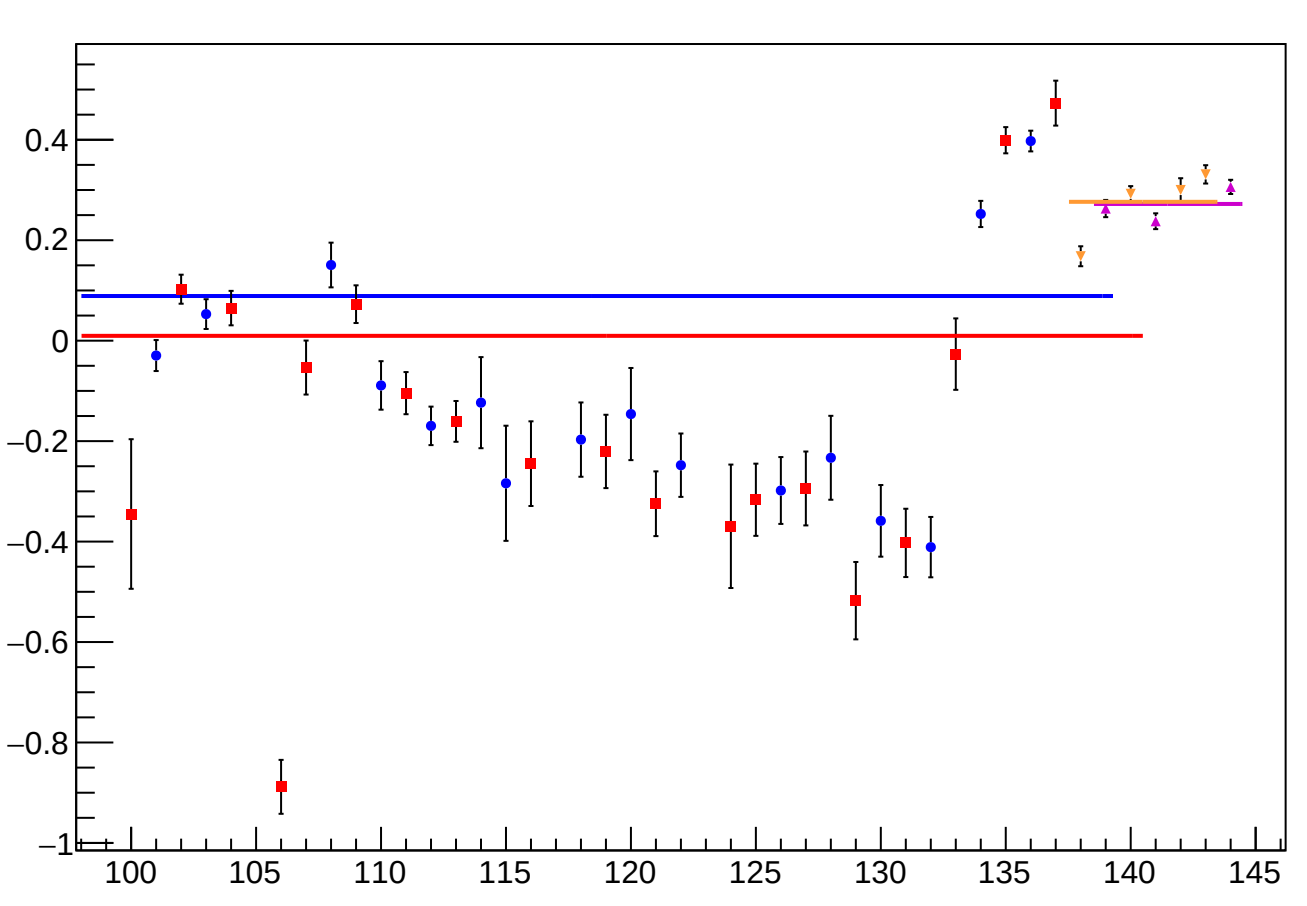
Left: 25.889+/-0.141 χ^2/NDF: 604.8/6

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 23.188+/-0.140 χ^2/NDF:7273.8/18

Out: 21.101+/-0.141 χ^2/NDF:8177.8/22

All: 22.153+/-0.099 χ^2/NDF: 15562.5/41



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.276+/-0.009 χ^2/NDF:40.8/3

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.272+/-0.009 χ^2/NDF:10.8/2

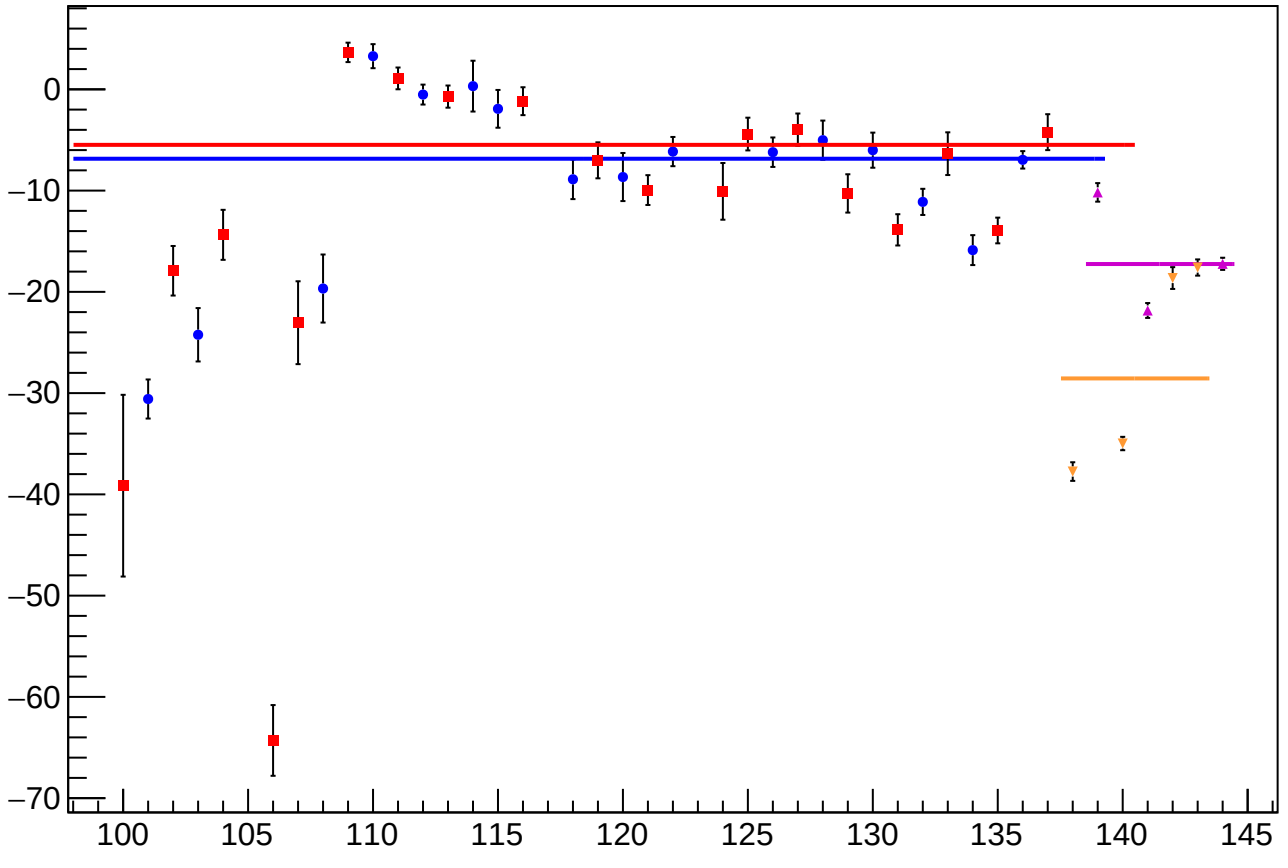
Left: 0.274+/-0.006 χ^2/NDF: 51.8/6

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.194+/-0.007 χ^2/NDF:752.8/18

Out: 0.166+/-0.007 χ^2/NDF:1218.8/22

All: 0.181+/-0.005 χ^2/NDF: 1980.0/41



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -28.550+/-0.412 χ^2/NDF:466.5/3

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -17.252+/-0.415 χ^2/NDF:98.7/2

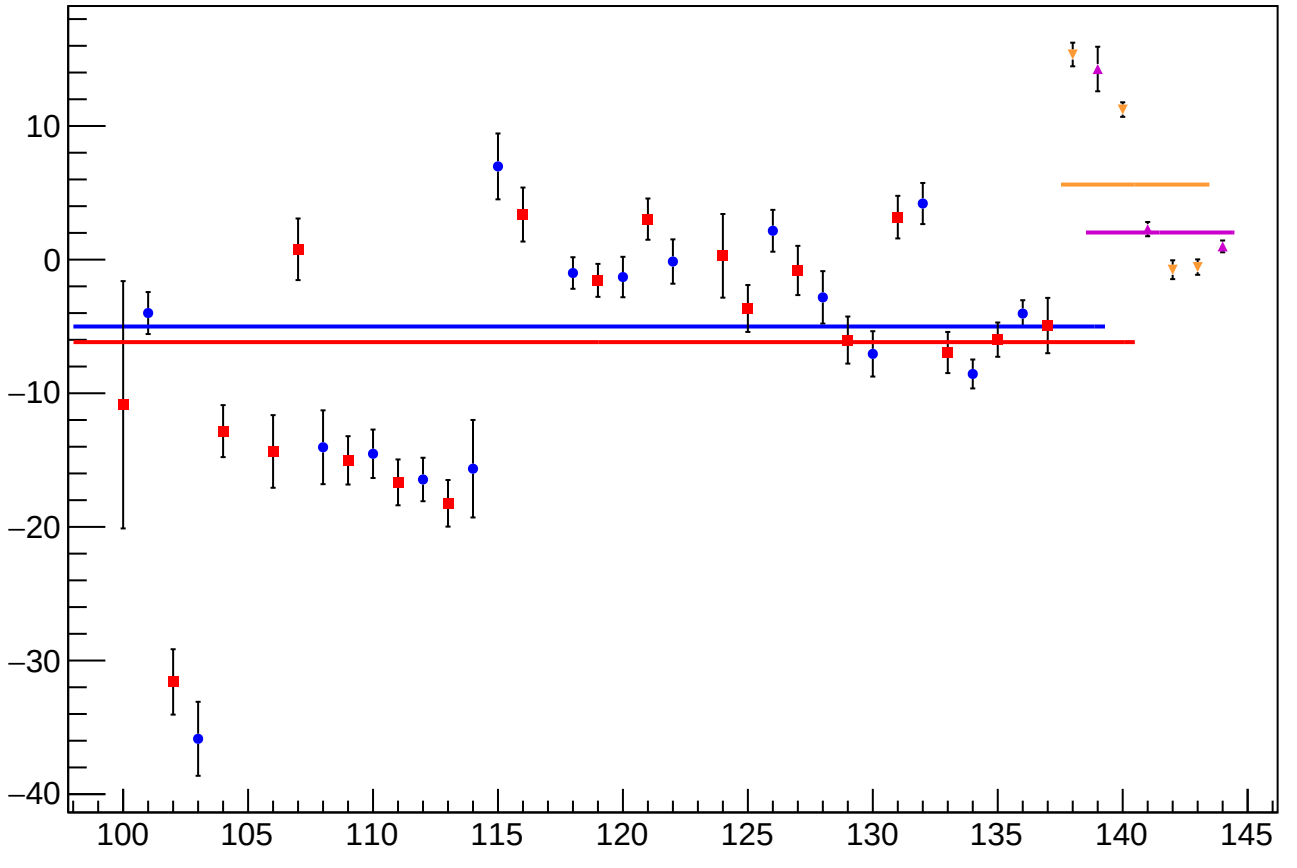
Left: -22.939+/-0.292 χ^2/NDF: 938.9/6

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.540+/-0.278 χ^2/NDF:834.2/18

Out: -15.754+/-0.275 χ^2/NDF:2813.2/22

All: -13.674+/-0.196 χ^2/NDF: 3763.5/41



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 5.617+/-0.322 χ^2/NDF:423.6/3

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 2.030+/-0.334 χ^2/NDF:59.6/2

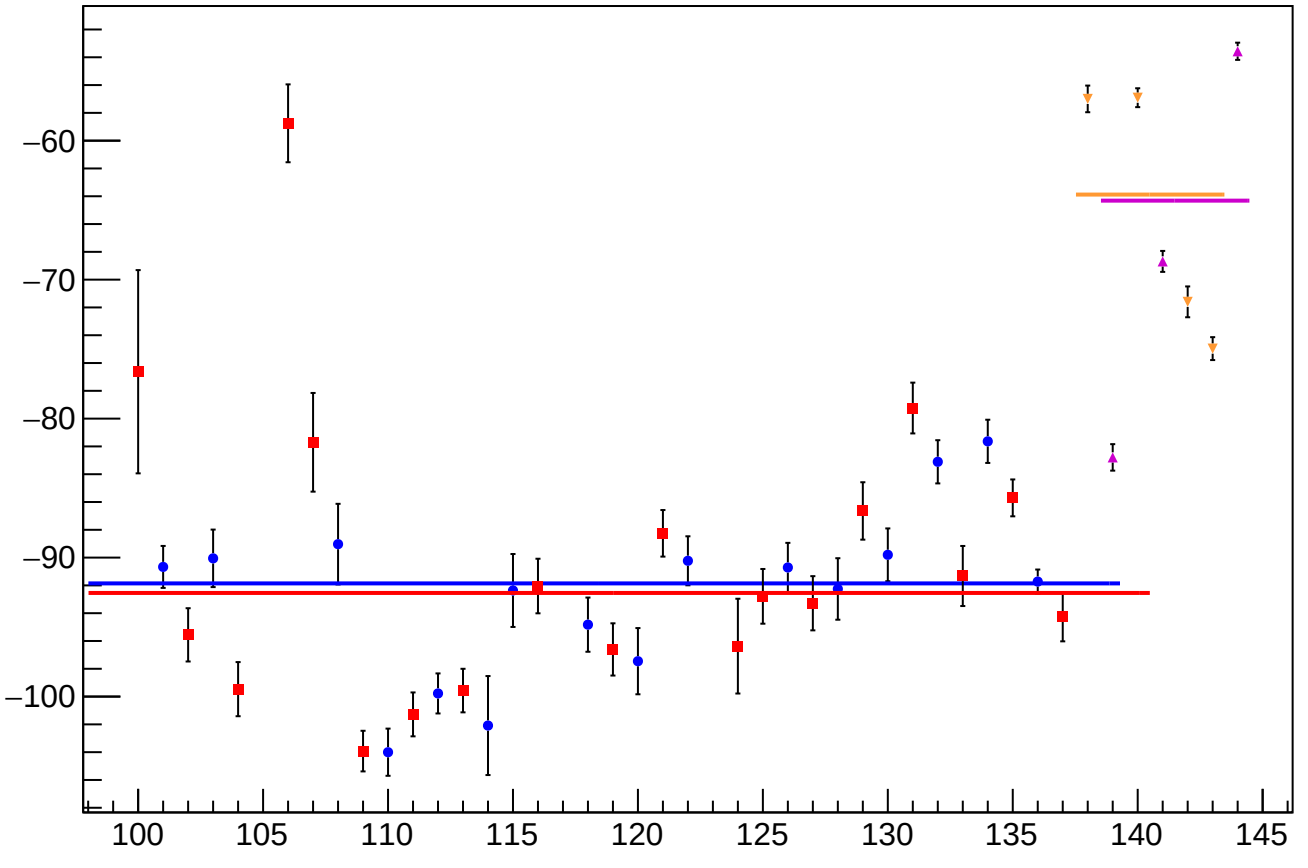
Left: 3.891+/-0.232 χ^2/NDF: 543.1/6

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.900+/-0.255 χ^2/NDF:586.1/18

Out: 1.213+/-0.255 χ^2/NDF:1294.7/22

All: 0.159+/-0.180 χ^2/NDF: 1915.2/41



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.879+/-0.425 χ^2/NDF:386.1/3

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -64.315+/-0.428 χ^2/NDF:710.7/2

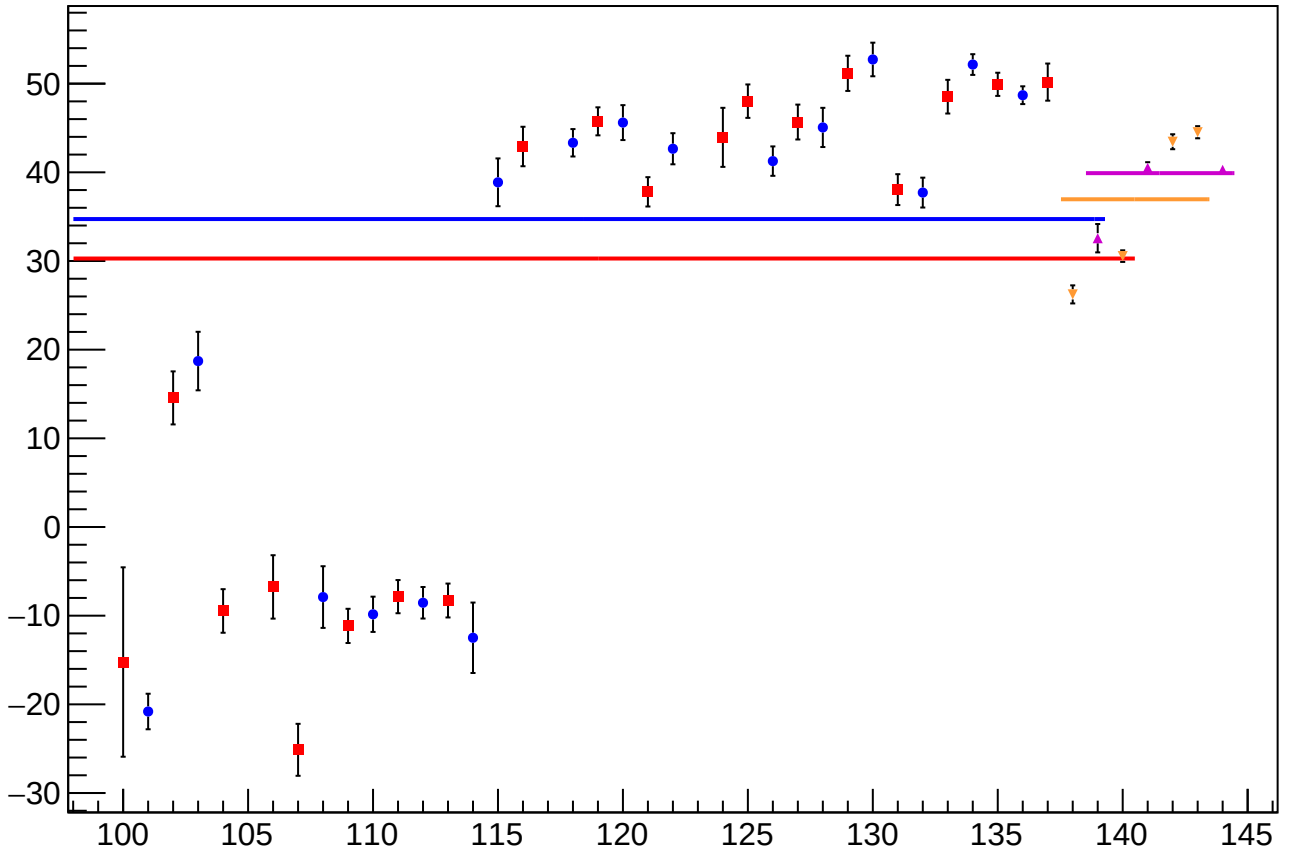
Left: -64.096+/-0.301 χ^2/NDF: 1097.3/6

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -78.201+/-0.301 χ^2/NDF:2979.4/18

Out: -77.734+/-0.305 χ^2/NDF:2974.2/22

All: -77.971+/-0.214 χ^2/NDF: 5954.8/41



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 36.960+/-0.383 χ^2/NDF:387.5/3

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.906+/-0.390 χ^2/NDF:22.5/2

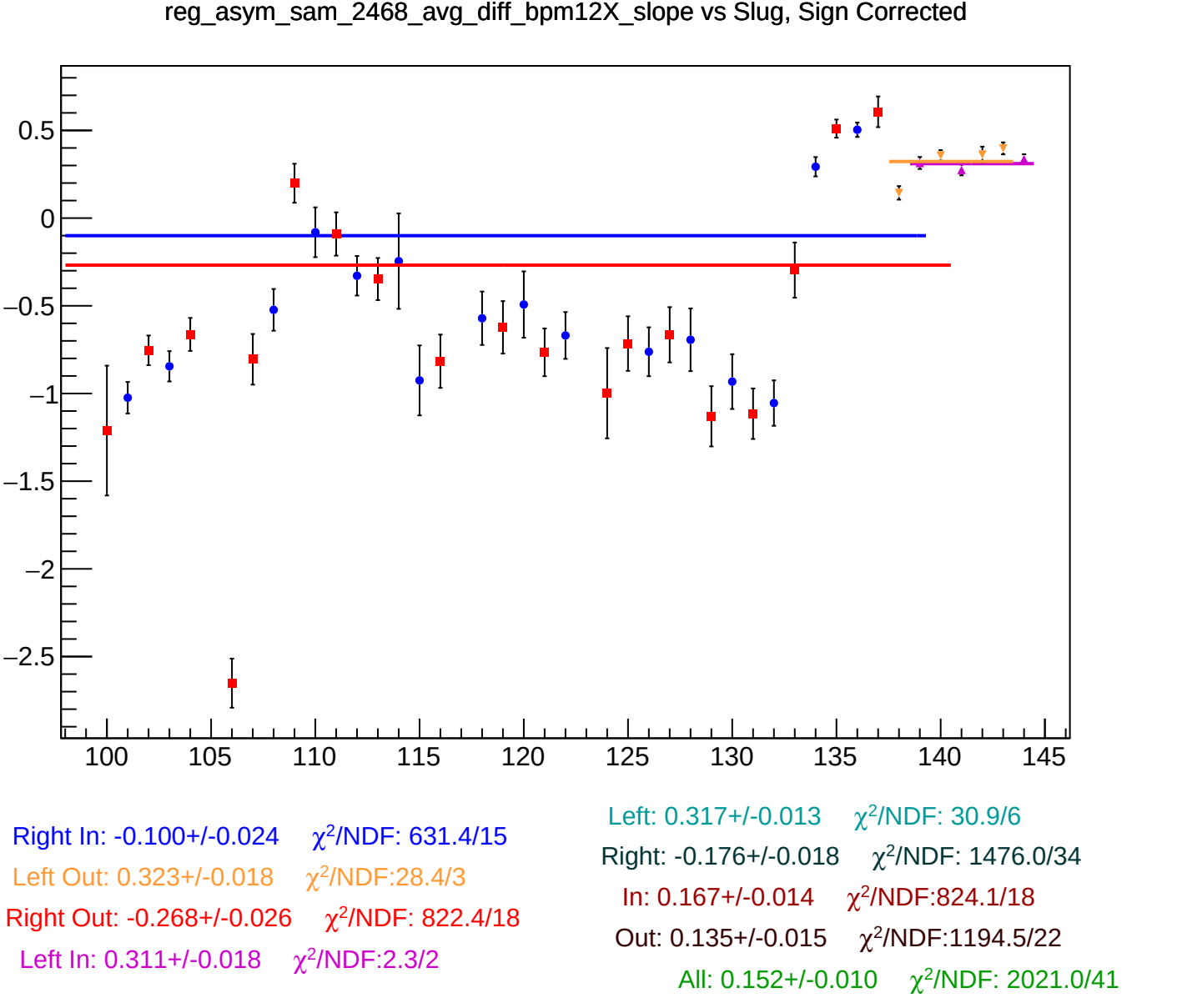
Left: 38.404+/-0.273 χ^2/NDF: 439.0/6

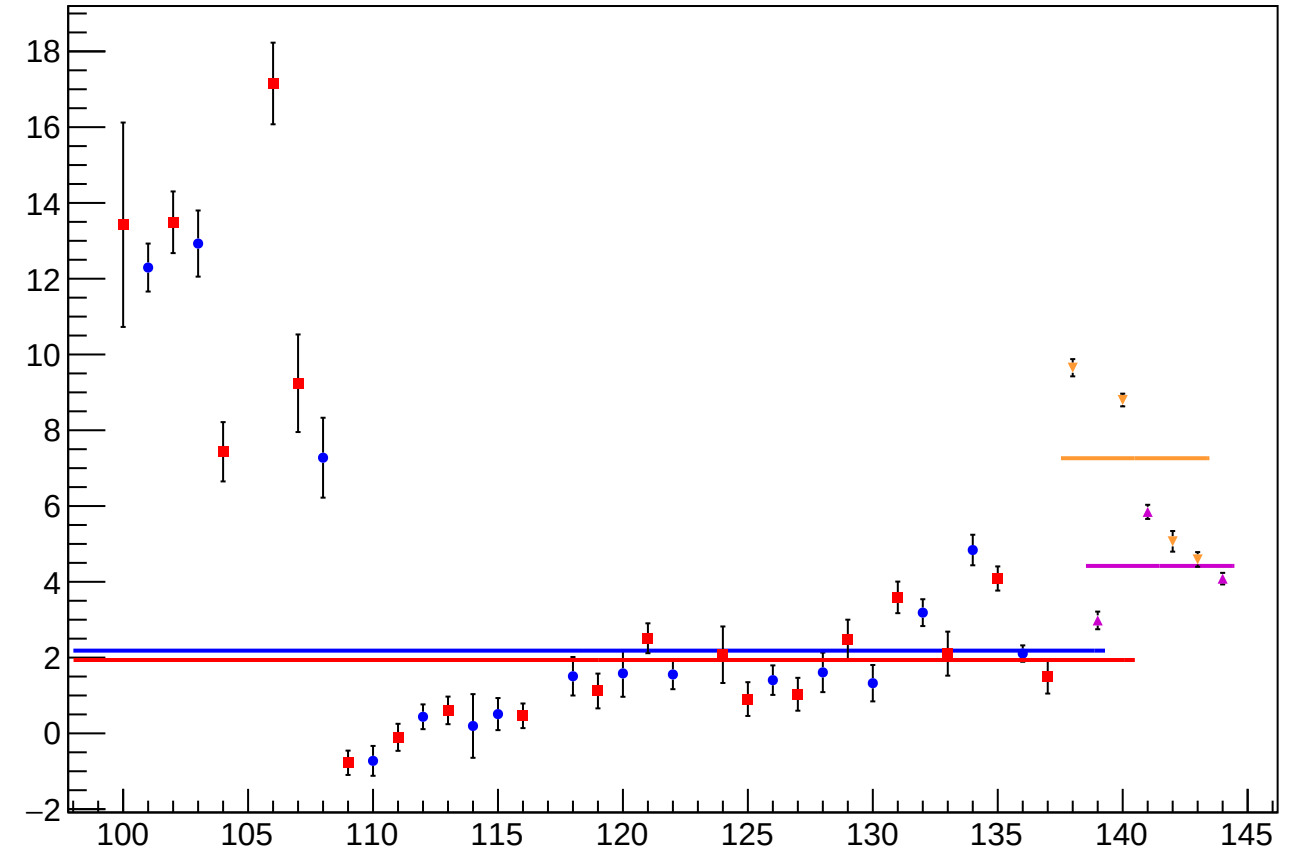
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 37.637+/-0.293 χ^2/NDF:2908.7/18

Out: 34.277+/-0.296 χ^2/NDF:3421.2/22

All: 35.977+/-0.208 χ^2/NDF: 6395.0/41


reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
105
110
115
120
125
130
135
140
145
Right In: -0.100+/-0.024 χ²/NDF: 631.4/15
Left Out: 0.323+/-0.018 χ²/NDF:28.4/3
Right Out: -0.268+/-0.026 χ²/NDF: 822.4/18
Left In: 0.311+/-0.018 χ²/NDF:2.3/2
Left: 0.317+/-0.013 χ²/NDF: 30.9/6
Right: -0.176+/-0.018 χ²/NDF: 1476.0/34
In: 0.167+/-0.014 χ²/NDF:824.1/18
Out: 0.135+/-0.015 χ²/NDF:1194.5/22
All: 0.152+/-0.010 χ²/NDF: 2021.0/41



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 7.262+/-0.103 χ^2/NDF:449.1/3

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.420+/-0.105 χ^2/NDF:101.4/2

Left: 5.879+/-0.074 χ^2/NDF: 923.7/6

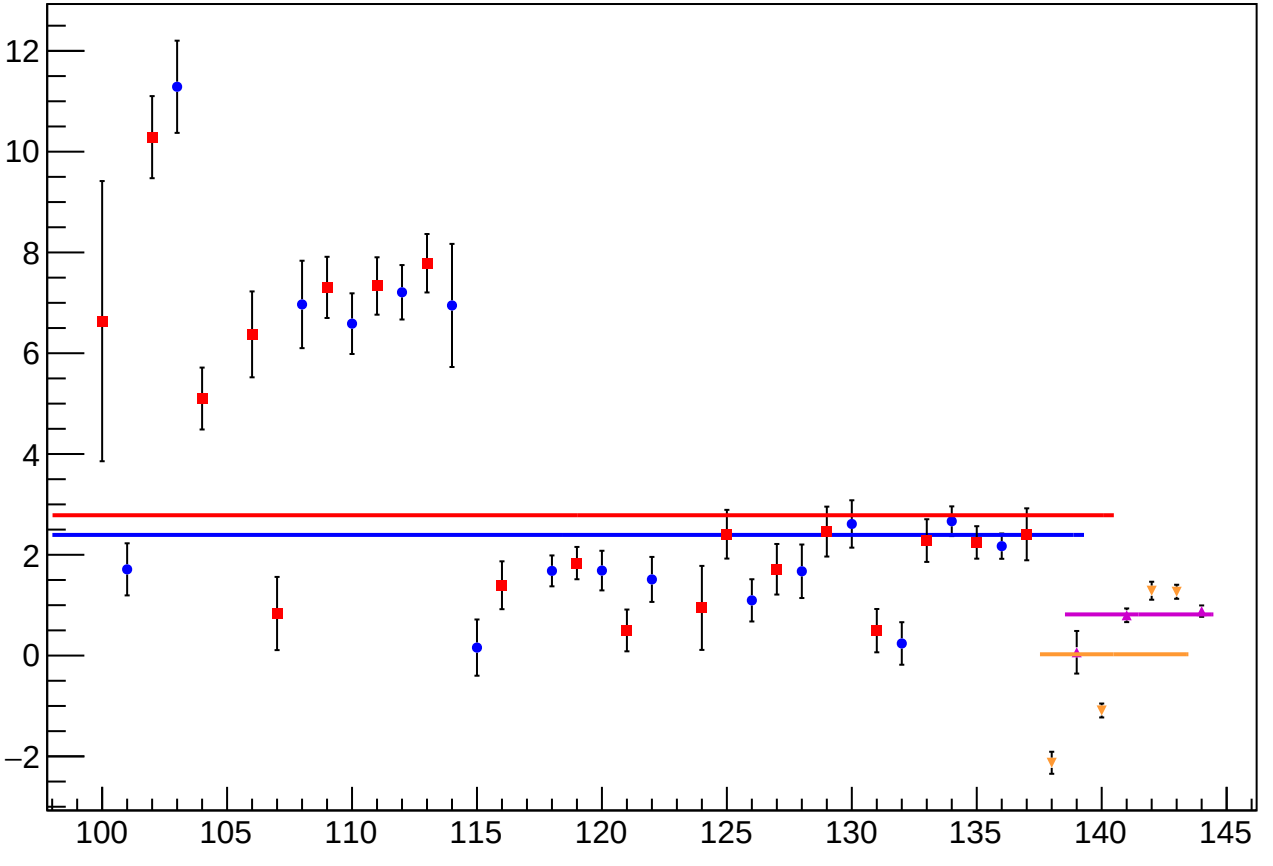
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.297+/-0.074 χ^2/NDF:926.5/18

Out: 4.673+/-0.074 χ^2/NDF:2476.0/22

All: 3.993+/-0.052 χ^2/NDF: 3575.4/41

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.026+/-0.080 χ^2/NDF:291.3/3

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.817+/-0.085 χ^2/NDF:3.5/2

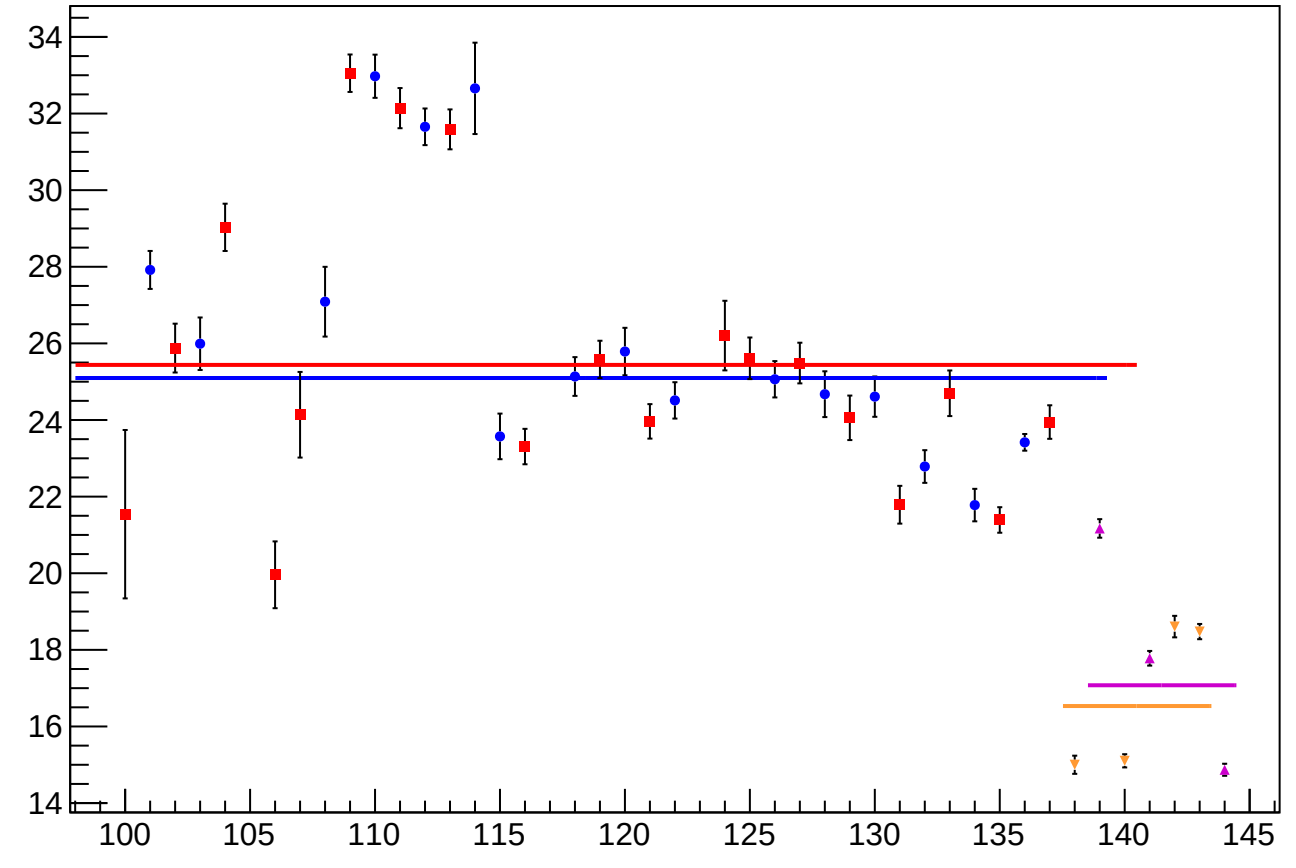
Left: 0.398+/-0.058 χ^2/NDF: 340.8/6

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.417+/-0.067 χ^2/NDF:468.8/18

Out: 0.917+/-0.066 χ^2/NDF:1086.0/22

All: 1.163+/-0.047 χ^2/NDF: 1583.2/41



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.533+/-0.106 χ^2/NDF:260.2/3

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.076+/-0.109 χ^2/NDF:495.0/2

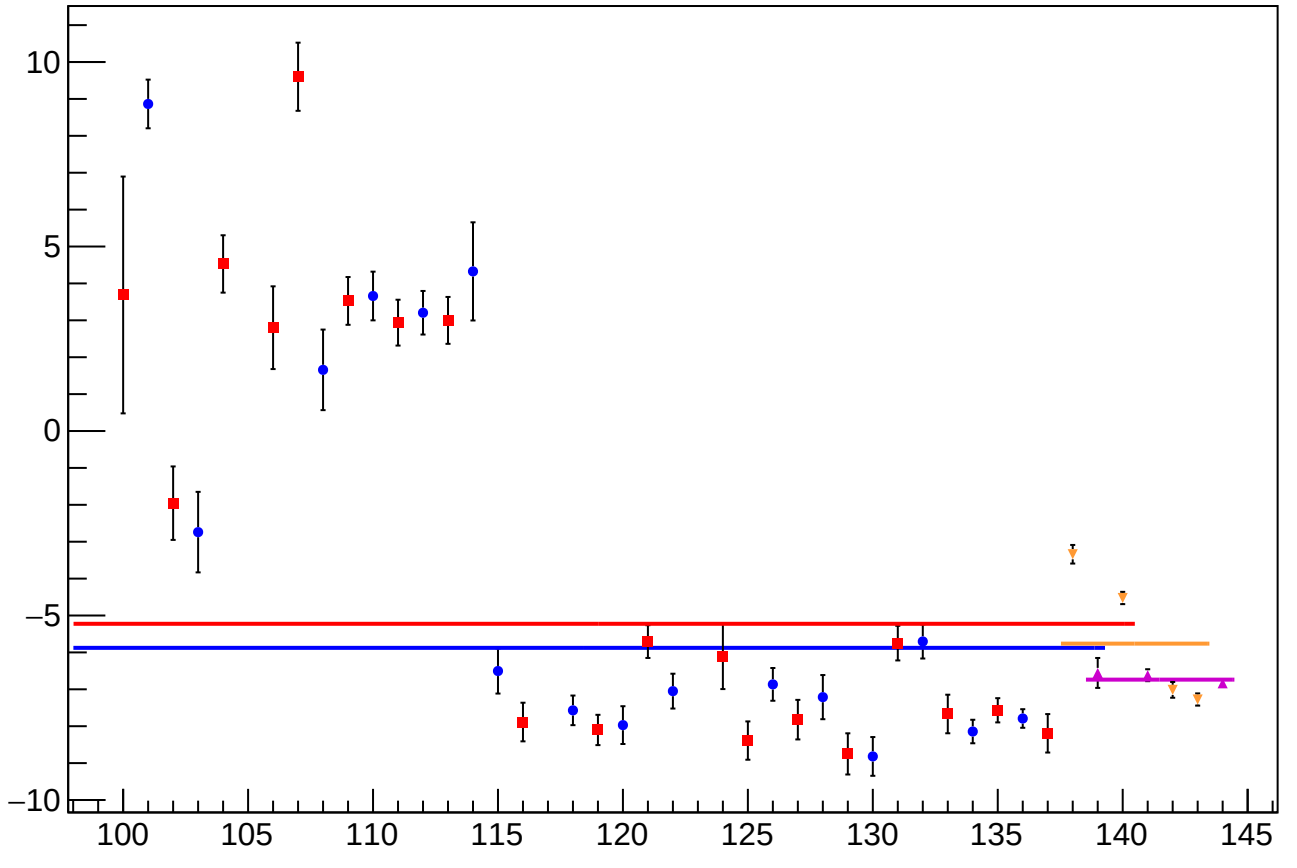
Left: 16.797+/-0.076 χ^2/NDF: 768.0/6

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 20.774+/-0.080 χ^2/NDF:3627.1/18

Out: 20.286+/-0.081 χ^2/NDF:4120.3/22

All: 20.532+/-0.057 χ^2/NDF: 7766.0/41



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -5.762+/-0.095 χ^2/NDF:265.8/3

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.738+/-0.099 χ^2/NDF:1.3/2

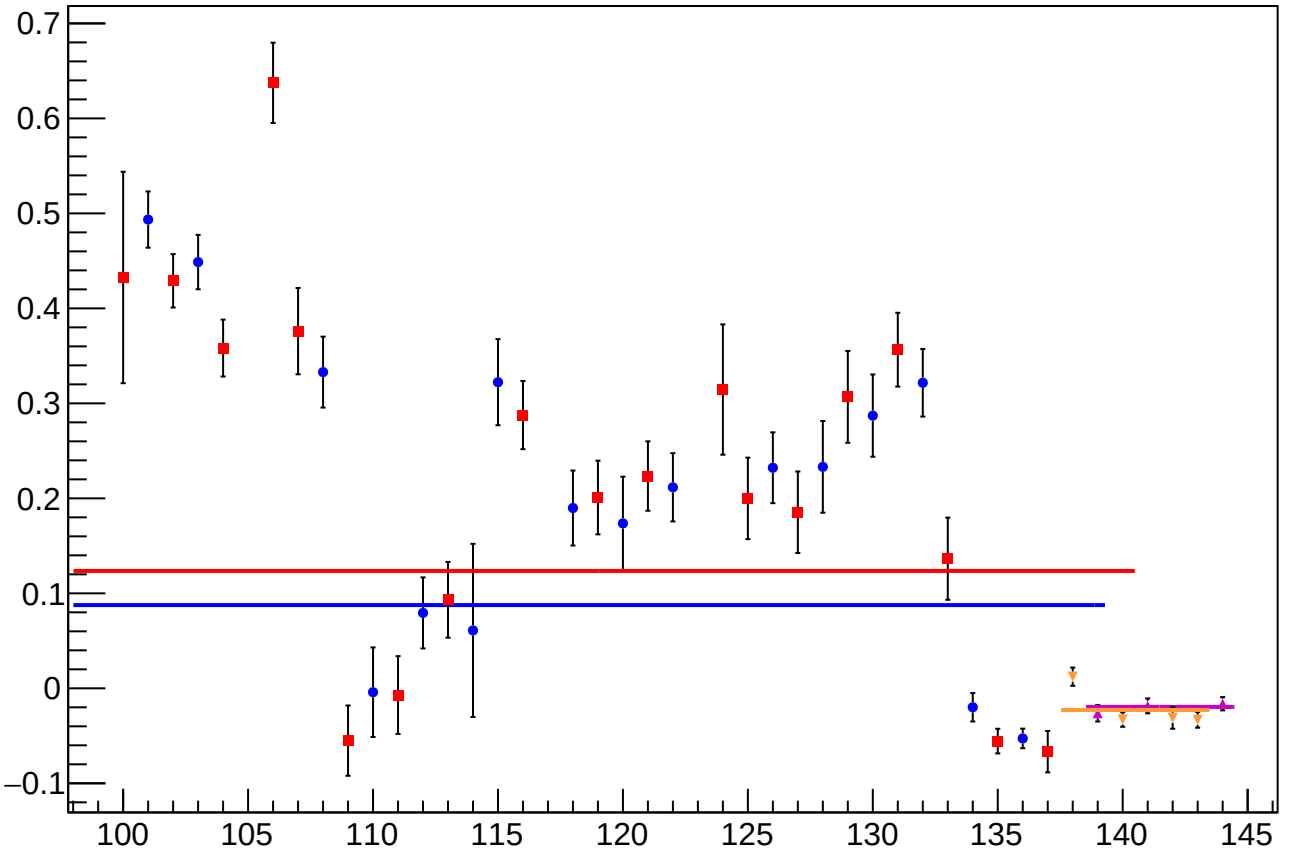
Left: -6.230+/-0.069 χ^2/NDF: 317.4/6

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.390+/-0.077 χ^2/NDF:1283.1/18

Out: -5.573+/-0.077 χ^2/NDF:1568.9/22

All: -5.982+/-0.054 χ^2/NDF: 2908.8/41



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.023+/-0.004 χ^2/NDF:17.2/3

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.020+/-0.004 χ^2/NDF:0.8/2

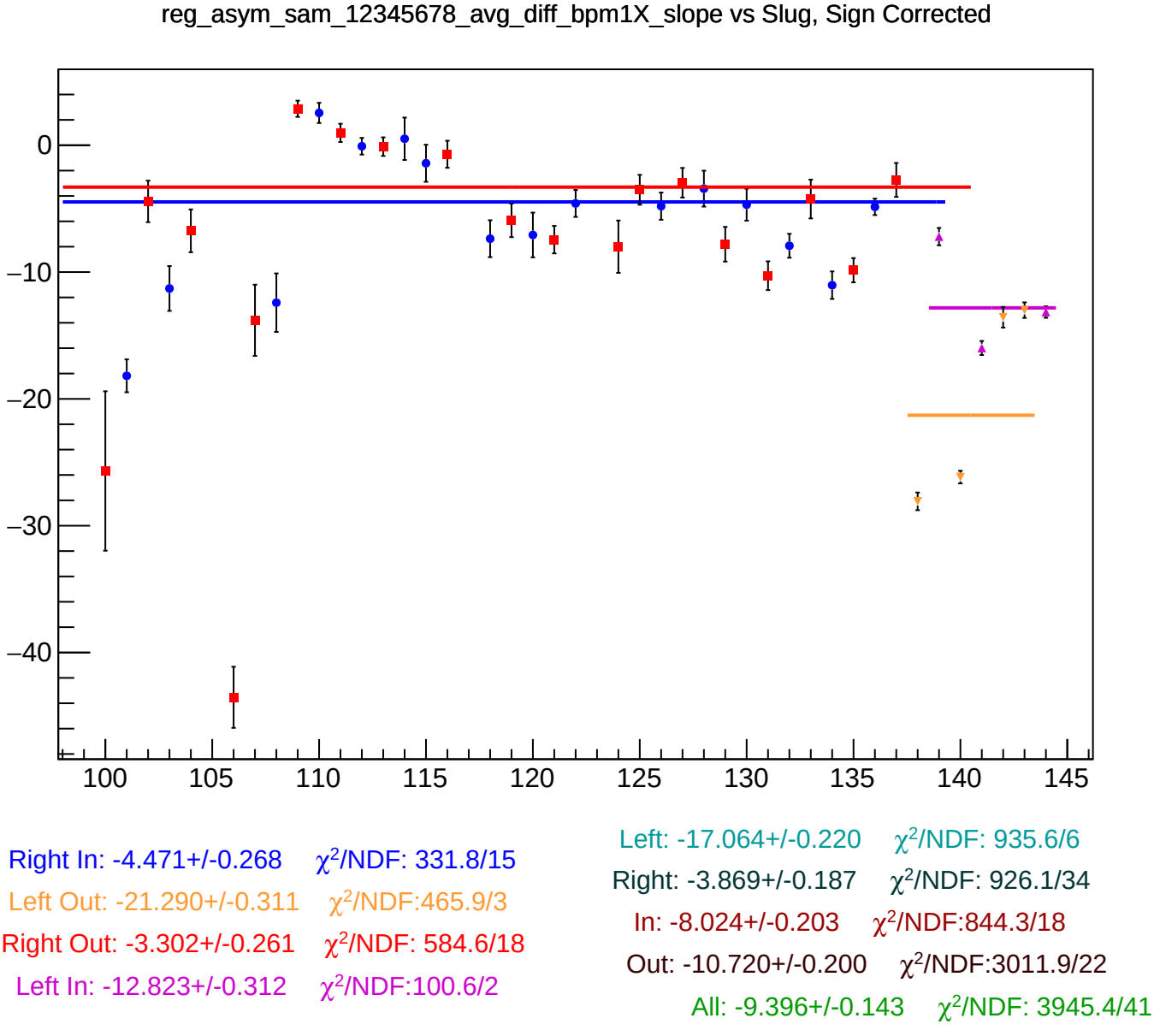
Left: -0.021+/-0.003 χ^2/NDF: 18.3/6

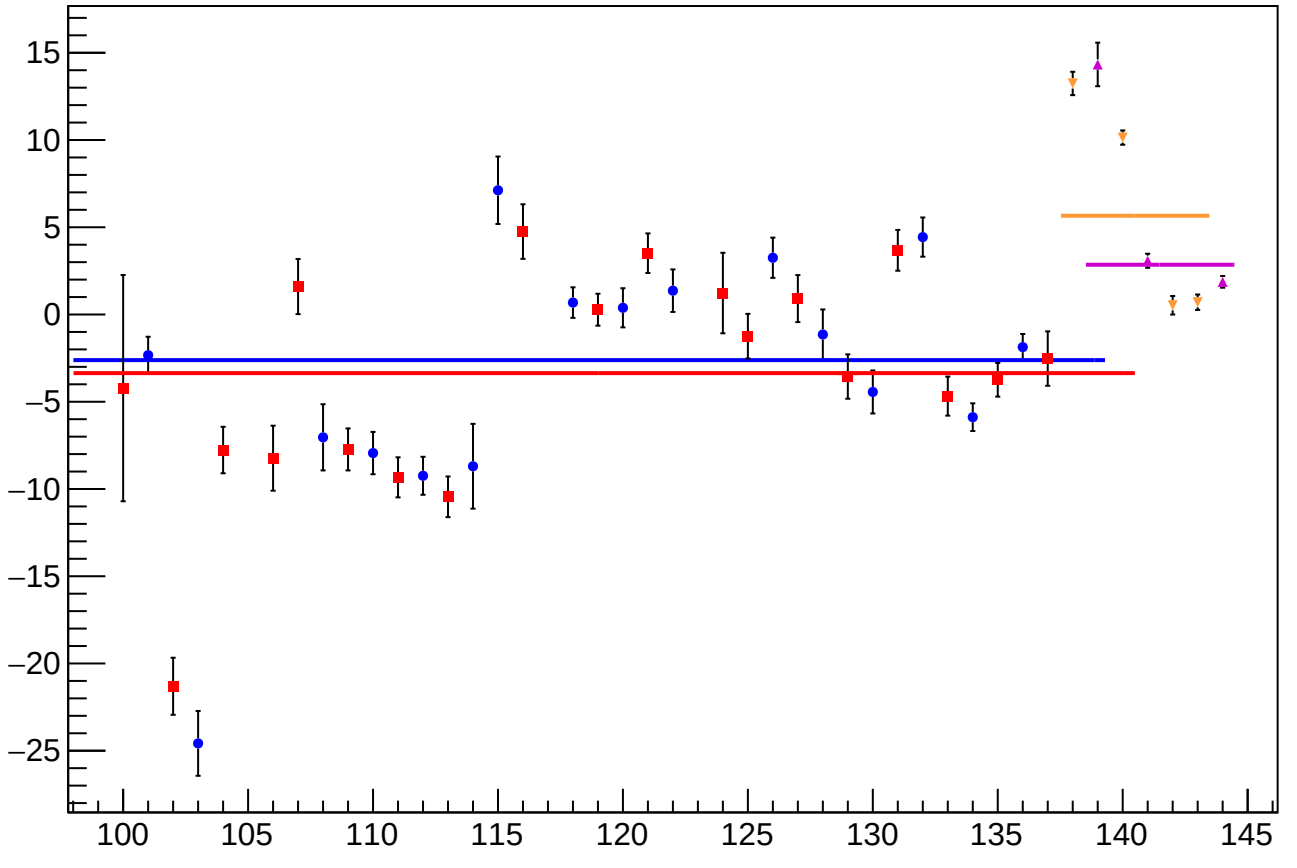
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.014+/-0.004 χ^2/NDF:950.0/18

Out: 0.017+/-0.004 χ^2/NDF:1070.0/22

All: 0.016+/-0.003 χ^2/NDF: 2020.3/41


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
105
110
115
120
125
130
135
140
145
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -21.290+/-0.311 χ²/NDF:465.9/3
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -12.823+/-0.312 χ²/NDF:100.6/2
Left: -17.064+/-0.220 χ²/NDF: 935.6/6
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -8.024+/-0.203 χ²/NDF:844.3/18
Out: -10.720+/-0.200 χ²/NDF:3011.9/22
All: -9.396+/-0.143 χ²/NDF: 3945.4/41



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 5.661+/-0.243 χ^2/NDF:467.5/3

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 2.851+/-0.252 χ^2/NDF:93.6/2

Left: 4.303+/-0.175 χ^2/NDF: 625.5/6

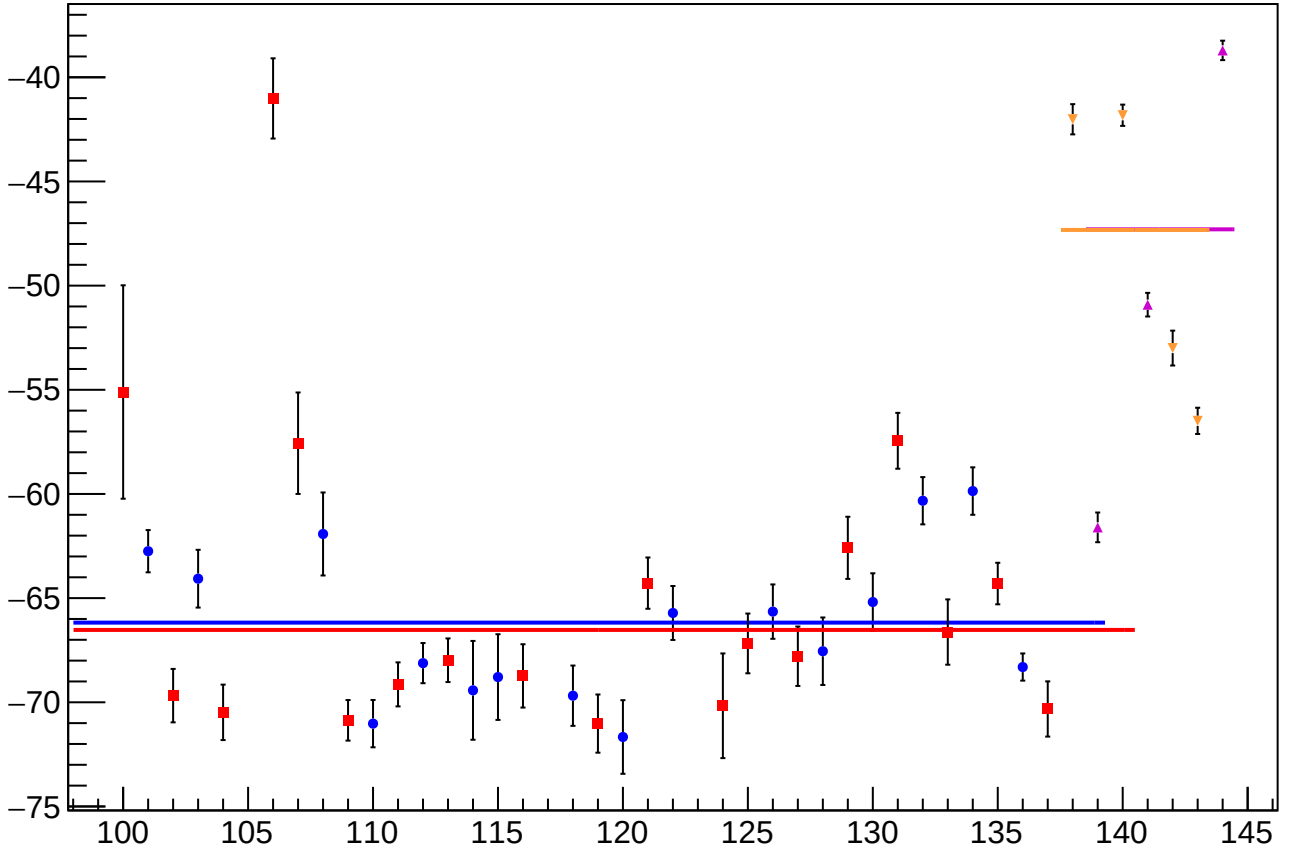
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.464+/-0.189 χ^2/NDF:651.6/18

Out: 2.063+/-0.189 χ^2/NDF:1375.1/22

All: 1.264+/-0.133 χ^2/NDF: 2062.6/41

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -47.327+/-0.321 χ^2/NDF:427.9/3

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -47.298+/-0.322 χ^2/NDF:781.5/2

Left: -47.312+/-0.227 χ^2/NDF: 1209.5/6

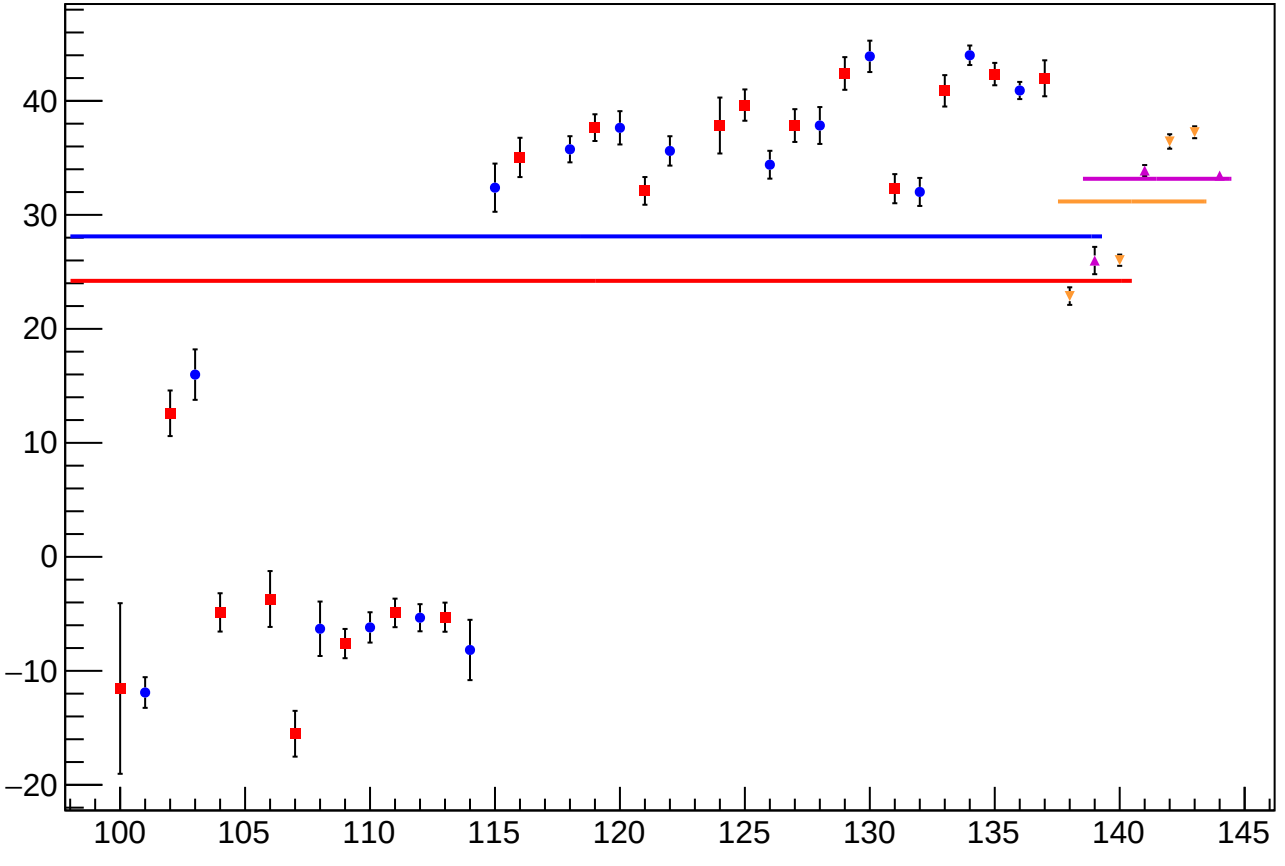
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -57.260+/-0.221 χ^2/NDF:2728.1/18

Out: -57.190+/-0.224 χ^2/NDF:2585.5/22

All: -57.226+/-0.157 χ^2/NDF: 5313.6/41

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 31.176+/-0.290 χ^2/NDF:428.4/3

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.165+/-0.294 χ^2/NDF:38.7/2

Left: 32.156+/-0.206 χ^2/NDF: 490.3/6

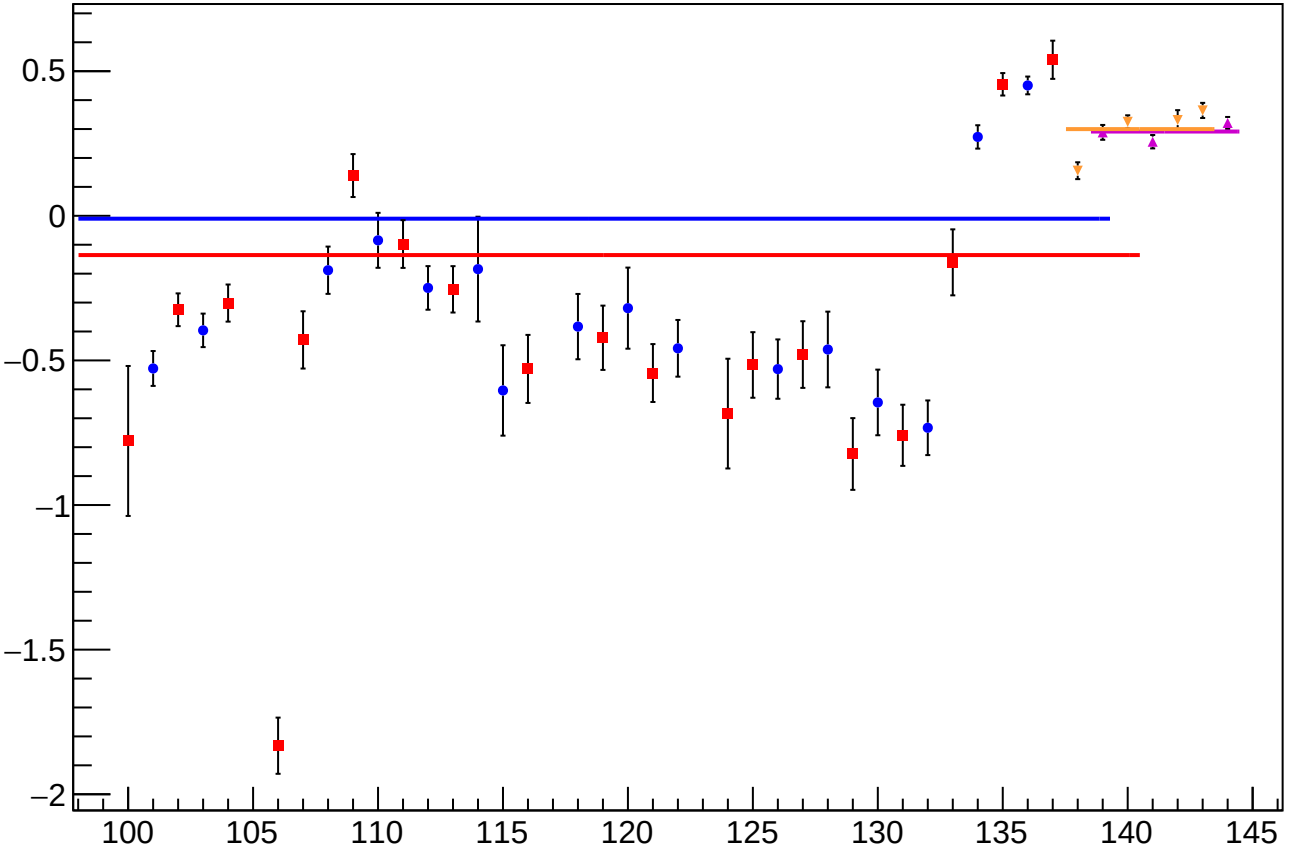
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 30.852+/-0.216 χ^2/NDF:3901.6/18

Out: 28.204+/-0.219 χ^2/NDF:4516.9/22

All: 29.545+/-0.154 χ^2/NDF: 8492.4/41

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.300+/-0.014 χ^2/NDF:32.5/3

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.291+/-0.013 χ^2/NDF:4.4/2

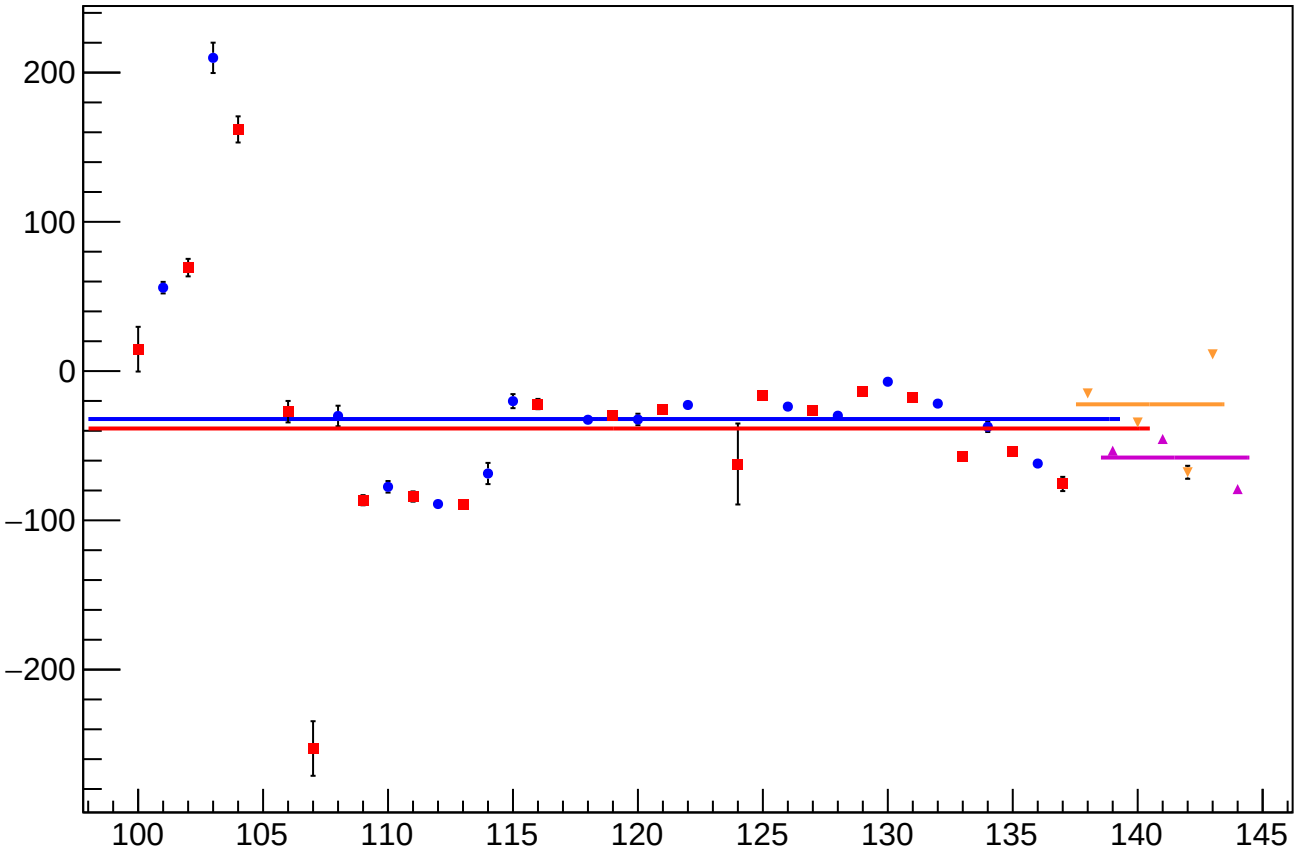
Left: 0.295+/-0.009 χ^2/NDF: 37.0/6

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.181+/-0.011 χ^2/NDF:782.9/18

Out: 0.151+/-0.011 χ^2/NDF:1203.0/22

All: 0.166+/-0.008 χ^2/NDF: 1989.7/41



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -22.261+/-1.461 χ^2/NDF:244.1/3

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -57.934+/-1.584 χ^2/NDF:70.6/2

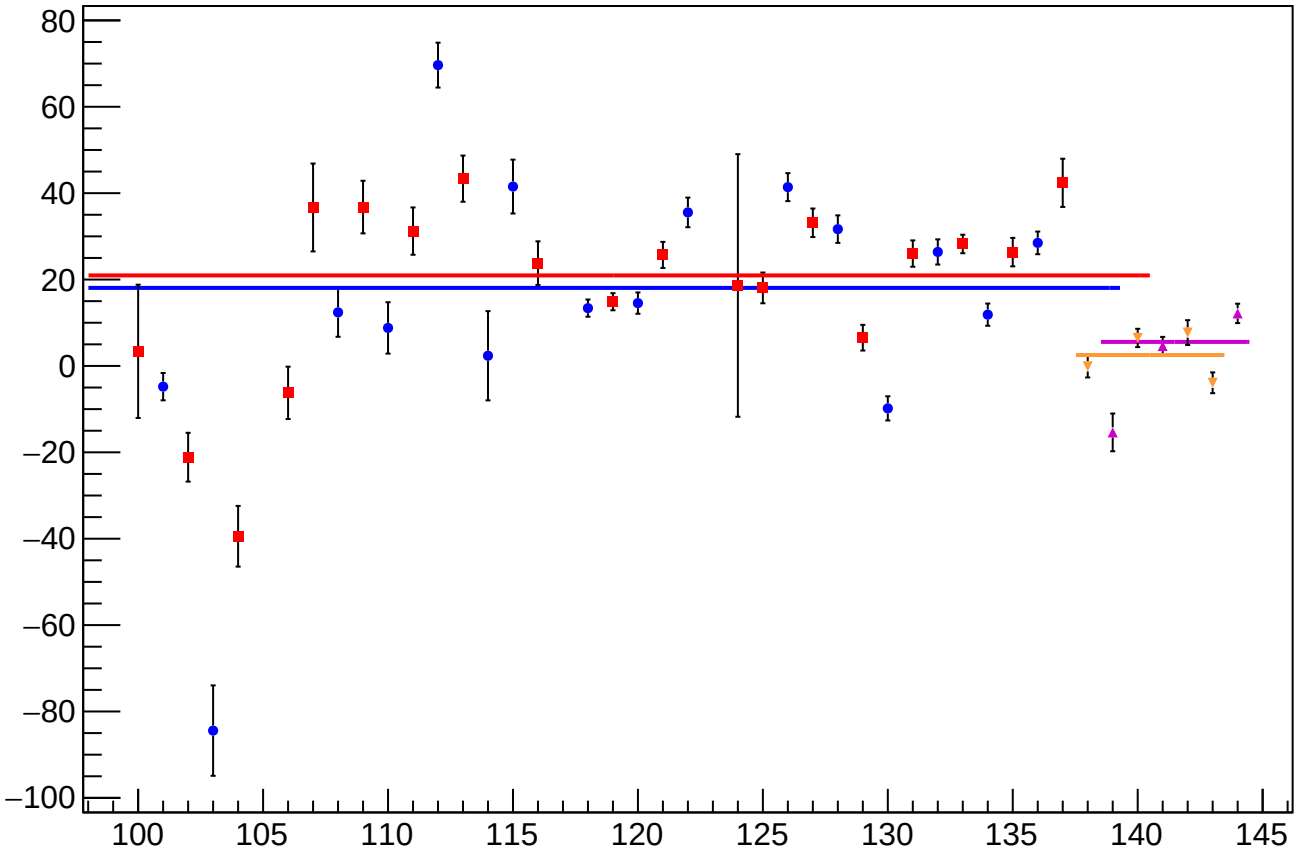
Left: -38.667+/-1.074 χ^2/NDF: 588.8/6

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -37.814+/-0.744 χ^2/NDF:2155.2/18

Out: -34.262+/-0.744 χ^2/NDF:2307.7/22

All: -36.038+/-0.526 χ^2/NDF: 4474.3/41



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 2.531+/-1.224 χ^2/NDF:14.9/3

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 5.564+/-1.451 χ^2/NDF:31.9/2

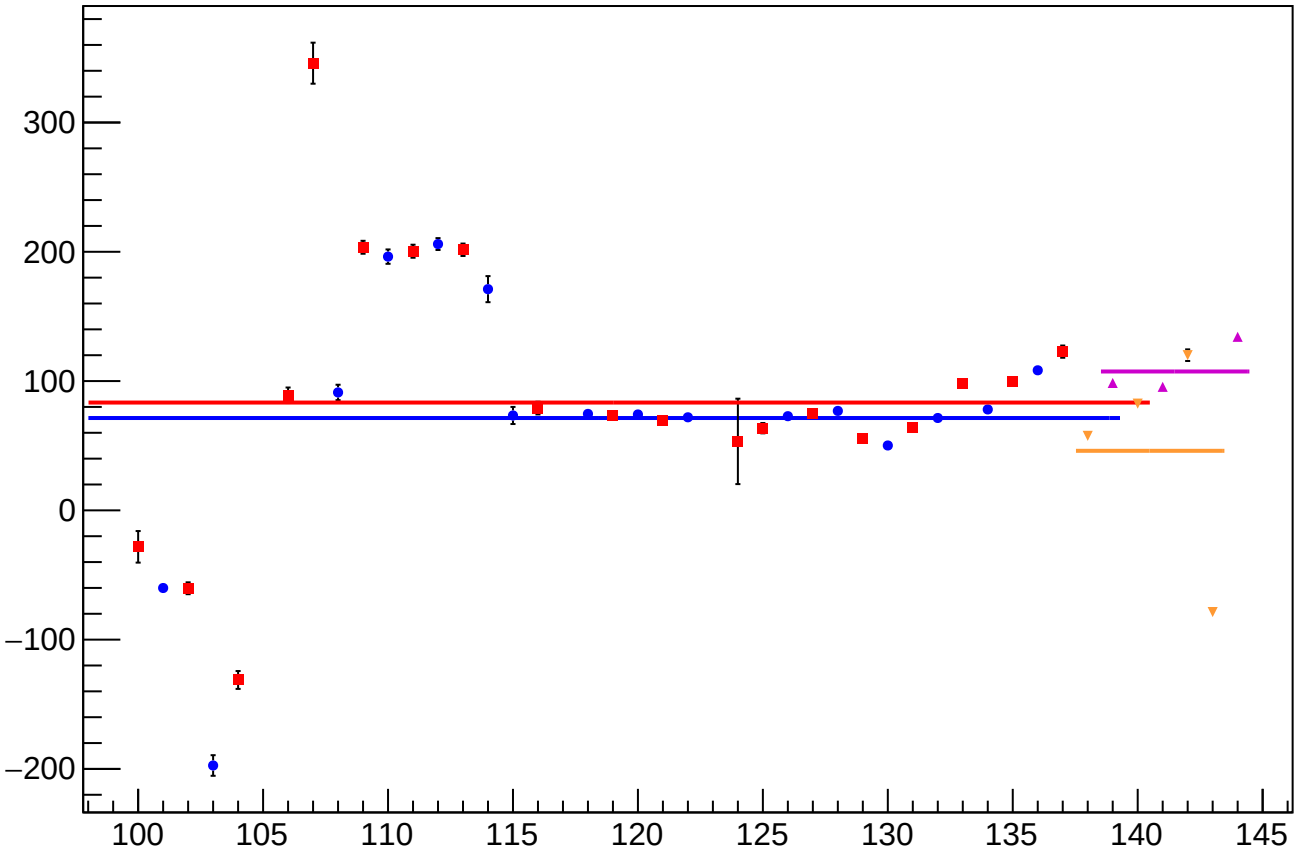
Left: 3.792+/-0.936 χ^2/NDF: 49.3/6

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 15.027+/-0.716 χ^2/NDF:587.6/18

Out: 14.788+/-0.708 χ^2/NDF:428.4/22

All: 14.906+/-0.503 χ^2/NDF: 1016.0/41



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 46.055+/-1.512 χ^2/NDF:1837.0/3

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 107.411+/-1.637 χ^2/NDF:102.0/2

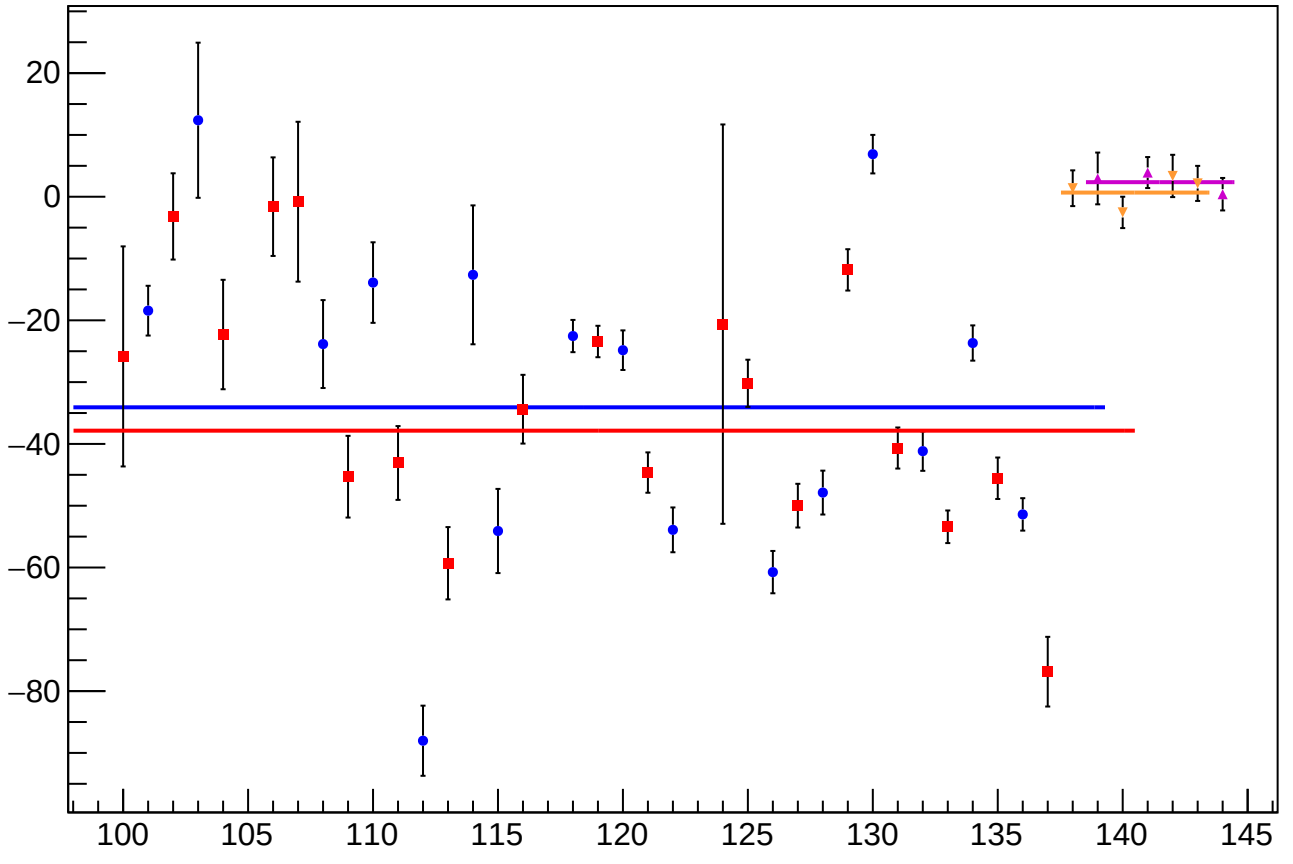
Left: 74.287+/-1.111 χ^2/NDF: 2697.1/6

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 80.217+/-0.809 χ^2/NDF:5286.6/18

Out: 72.256+/-0.825 χ^2/NDF:6562.4/22

All: 76.314+/-0.578 χ^2/NDF: 11896.5/41



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: 0.673+/-1.437 χ^2/NDF:2.5/3

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: 2.356+/-1.665 χ^2/NDF:1.0/2

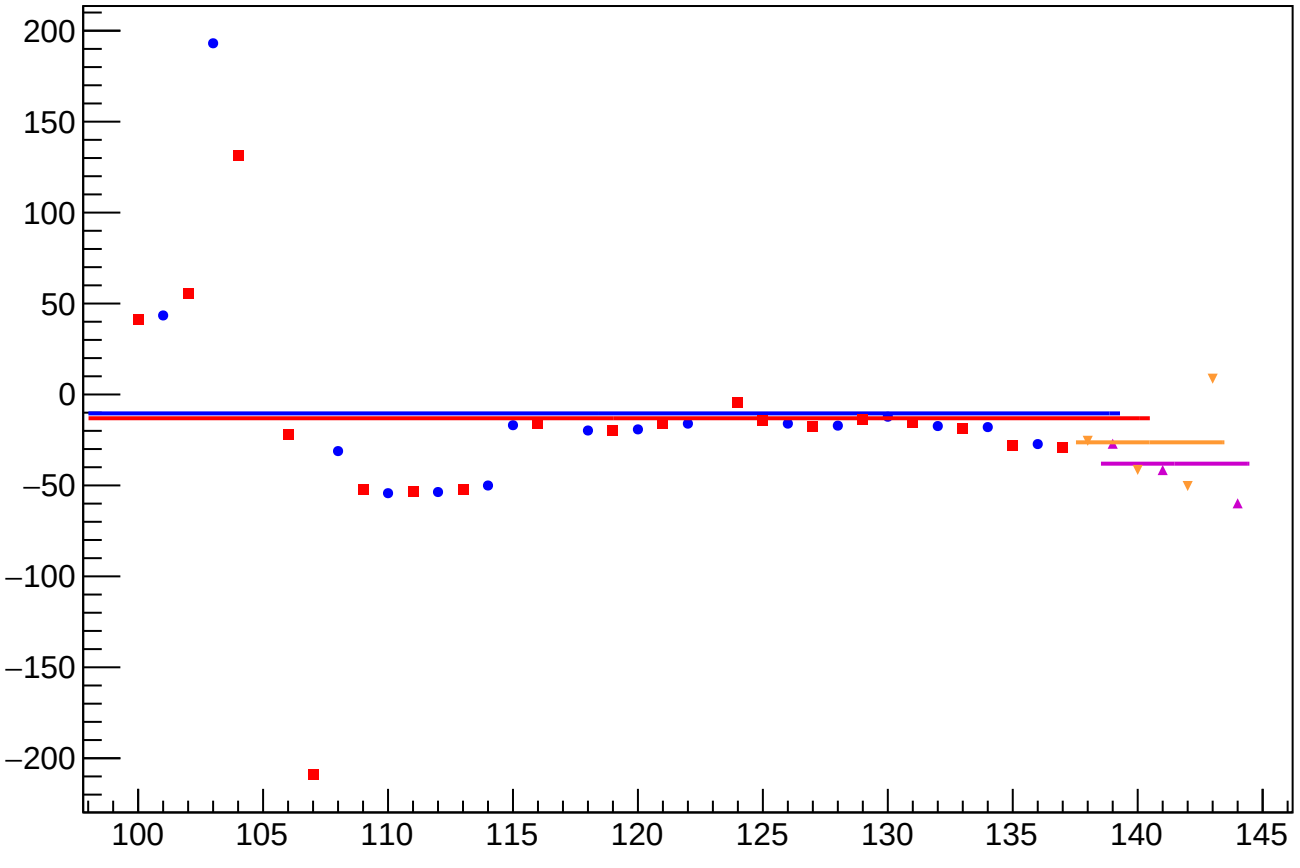
Left: 1.391+/-1.088 χ^2/NDF: 4.1/6

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -25.240+/-0.820 χ^2/NDF:874.8/18

Out: -25.389+/-0.817 χ^2/NDF:763.5/22

All: -25.315+/-0.579 χ^2/NDF: 1638.3/41



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.309+/-0.063 χ^2/NDF:95973.4/3

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -38.043+/-0.064 χ^2/NDF:39825.7/2

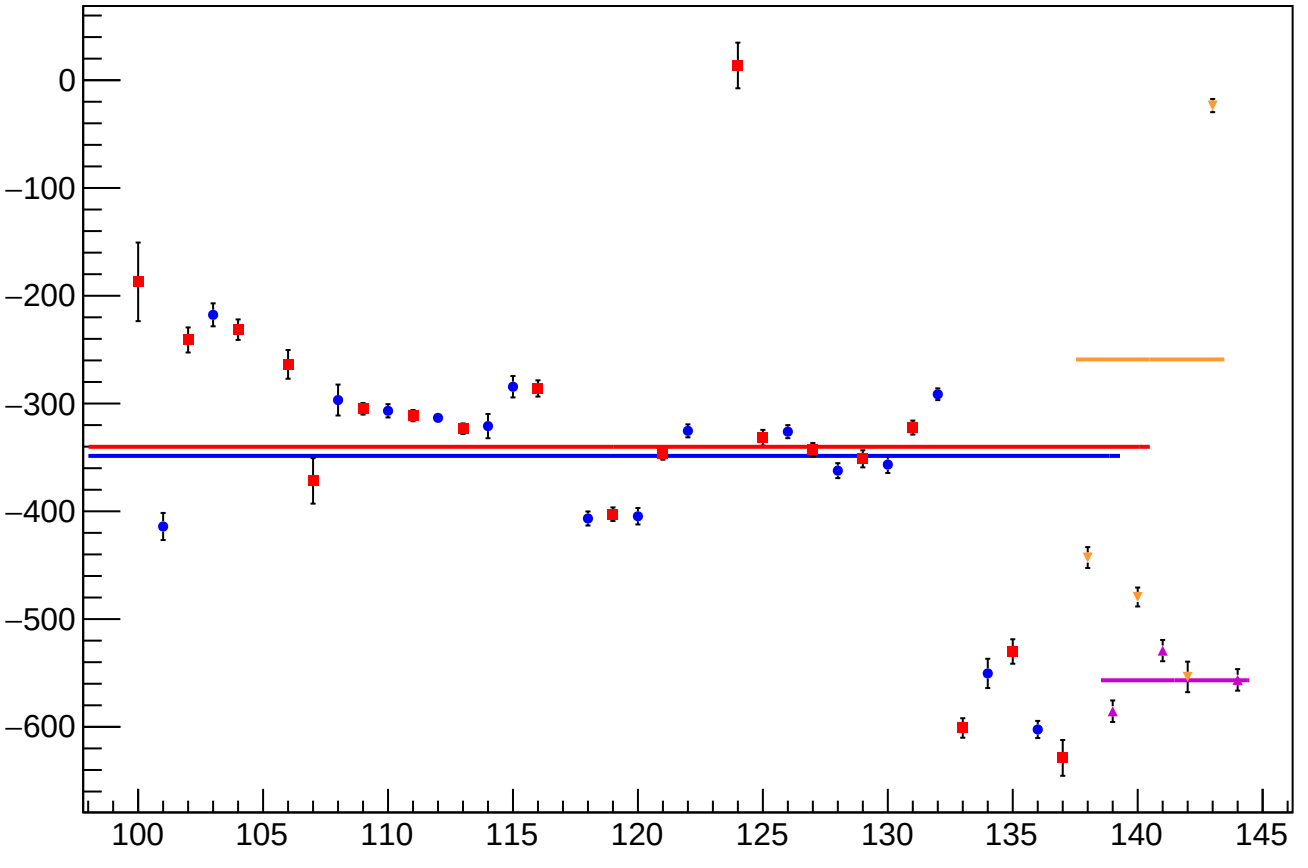
Left: -32.043+/-0.045 χ^2/NDF: 152905.4/6

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -22.552+/-0.043 χ^2/NDF:666206.4/18

Out: -19.681+/-0.044 χ^2/NDF:567884.2/22

All: -21.175+/-0.031 χ^2/NDF: 1236275.3/41



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -259.095+/-4.252 χ^2/NDF:2902.8/3

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -556.775+/-5.744 χ^2/NDF:16.0/2

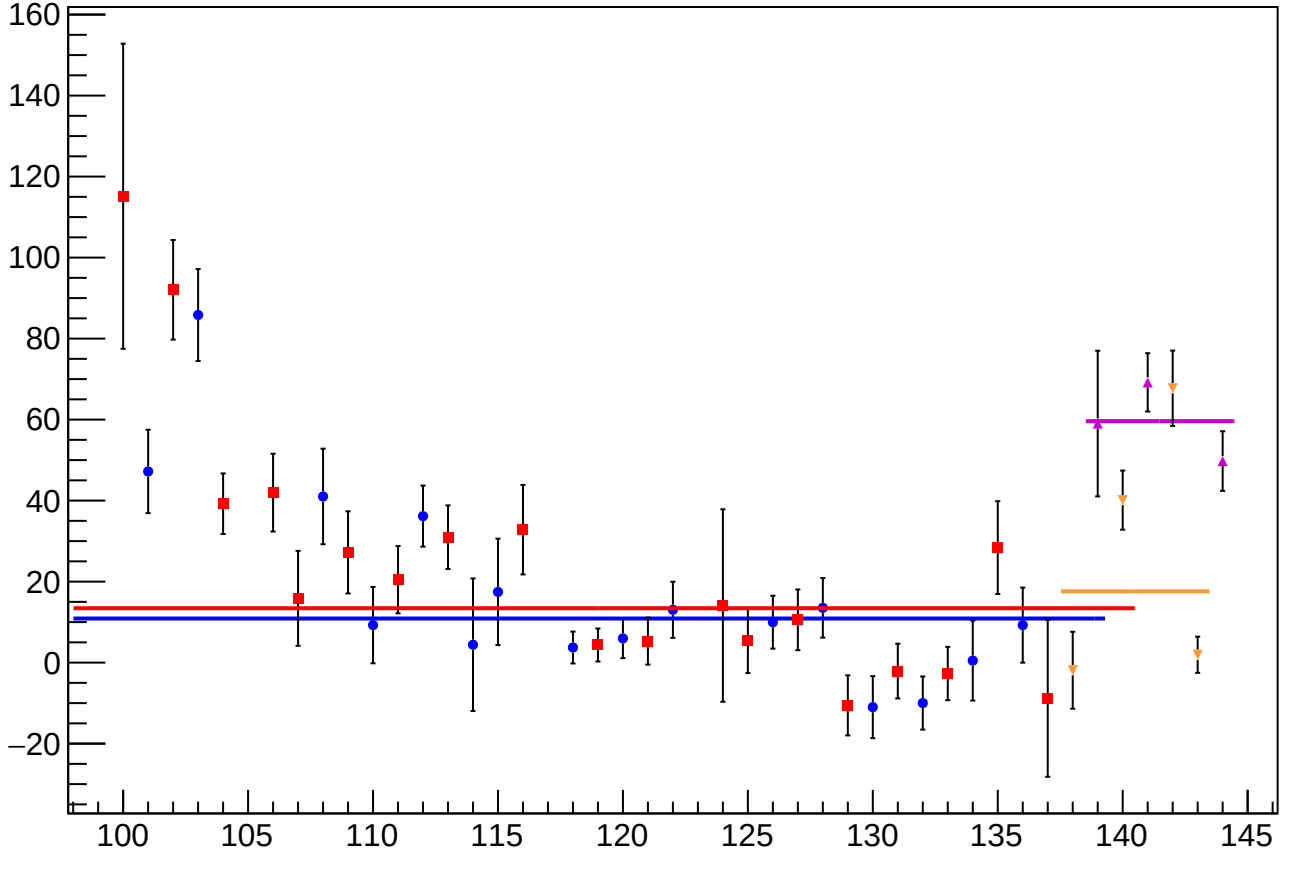
Left: -364.494+/-3.418 χ^2/NDF: 4653.9/6

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -367.671+/-1.739 χ^2/NDF:3067.7/18

Out: -328.298+/-1.626 χ^2/NDF:5410.1/22

All: -346.660+/-1.188 χ^2/NDF: 8751.4/41



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 17.606+/-3.304 χ^2/NDF:55.1/3

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 59.633+/-4.948 χ^2/NDF:3.6/2

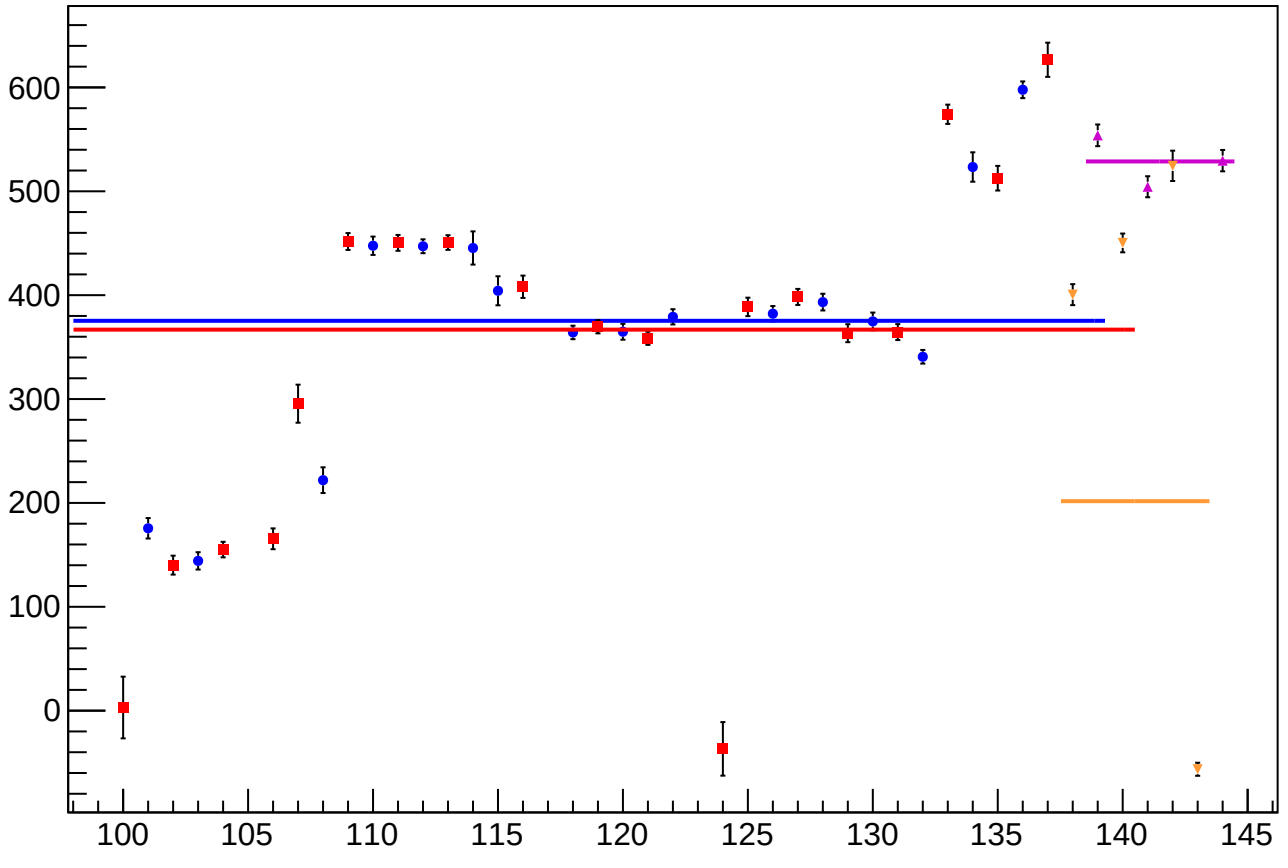
Left: 30.570+/-2.748 χ^2/NDF: 108.5/6

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 16.826+/-1.727 χ^2/NDF:187.0/18

Out: 14.428+/-1.617 χ^2/NDF:168.7/22

All: 15.548+/-1.180 χ^2/NDF: 356.8/41



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 201.686+/-4.386 χ^2/NDF:3313.8/3

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 528.744+/-5.931 χ^2/NDF:11.6/2

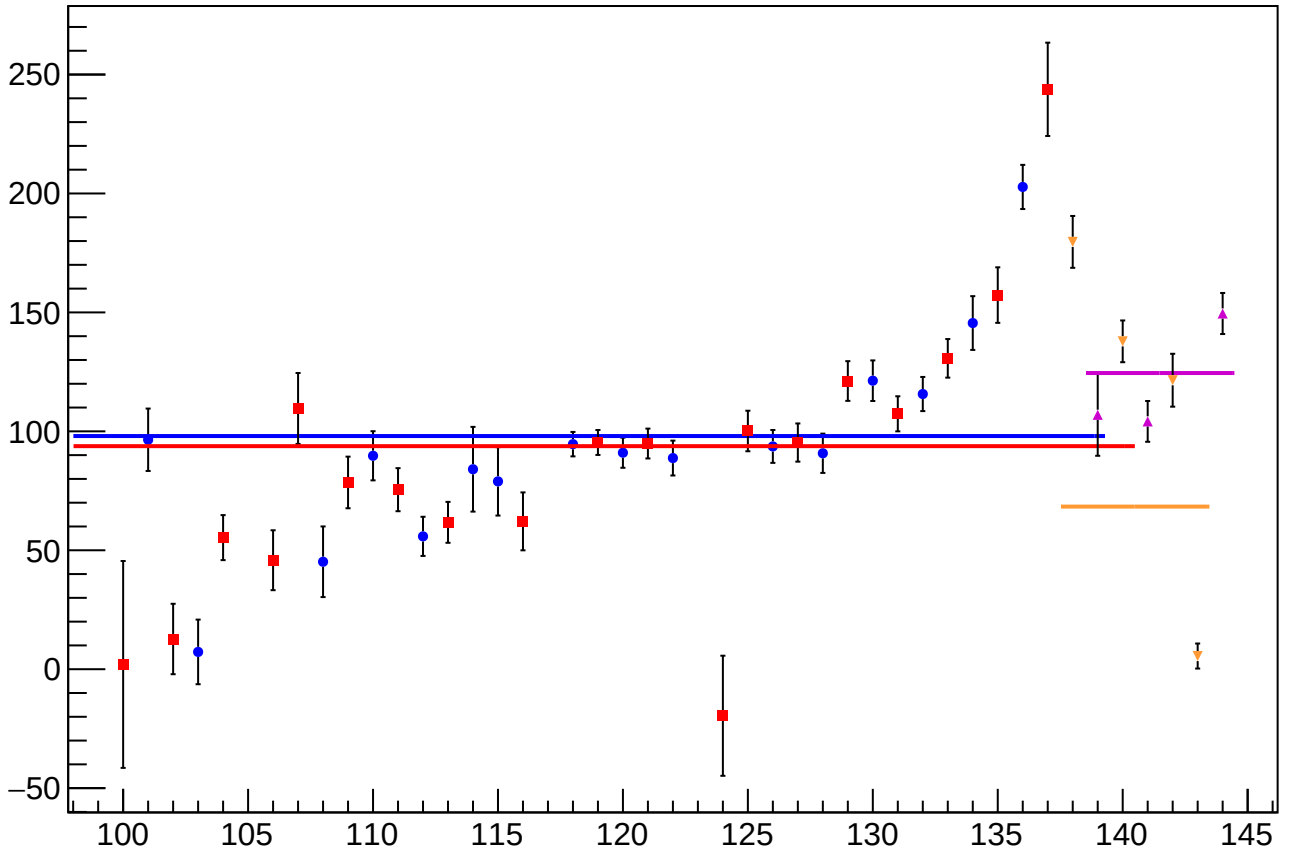
Left: 317.332+/-3.527 χ^2/NDF: 5291.1/6

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 392.453+/-1.982 χ^2/NDF:3055.5/18

Out: 337.240+/-1.857 χ^2/NDF:8018.3/22

All: 363.049+/-1.355 χ^2/NDF: 11487.2/41



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 68.361+/-3.904 χ^2/NDF:332.2/3

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 124.514+/-5.737 χ^2/NDF:15.1/2

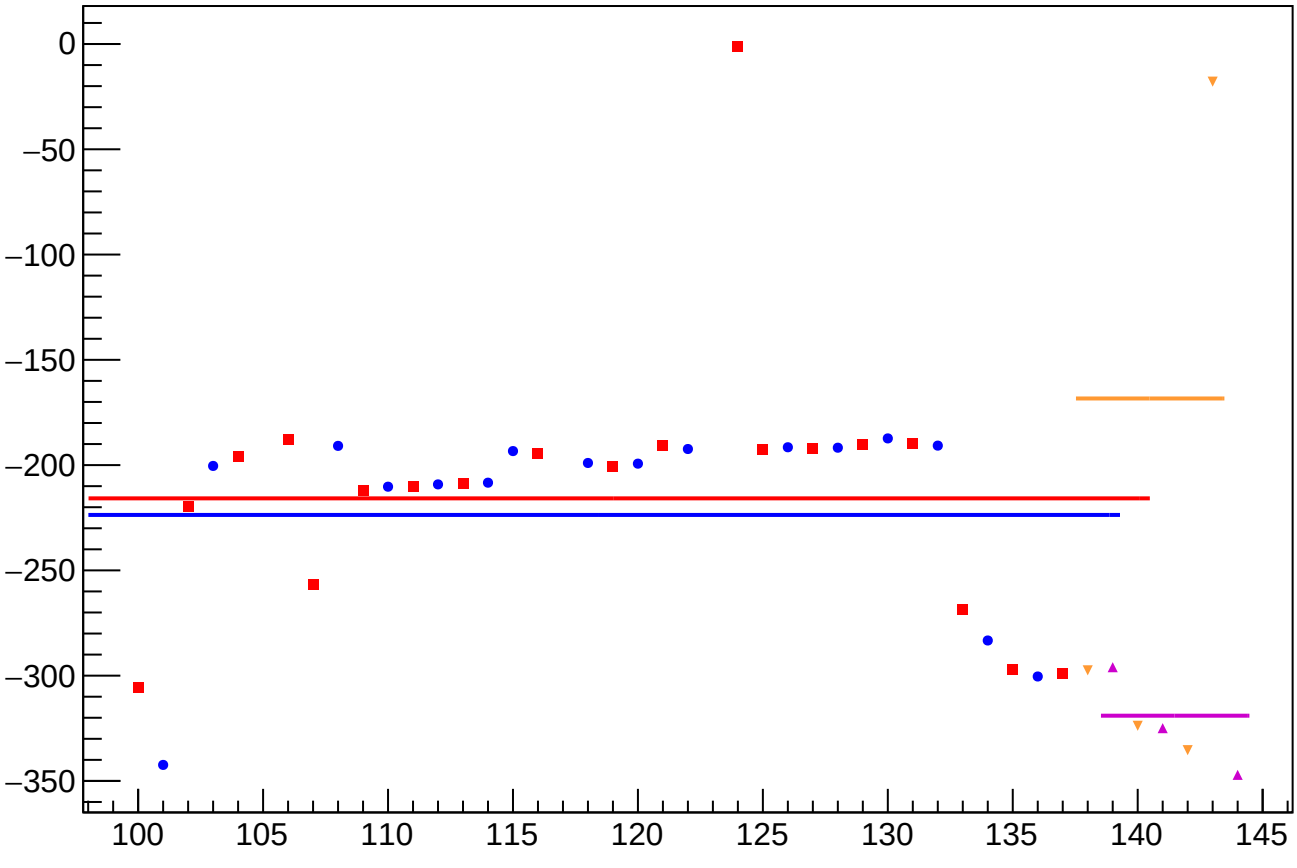
Left: 86.139+/-3.228 χ^2/NDF: 412.7/6

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 101.268+/-2.008 χ^2/NDF:283.3/18

Out: 87.908+/-1.876 χ^2/NDF:601.9/22

All: 94.132+/-1.371 χ^2/NDF: 908.8/41



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -168.355+/-0.184 χ^2/NDF:658890.7/3

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -319.018+/-0.237 χ^2/NDF:7769.4/2

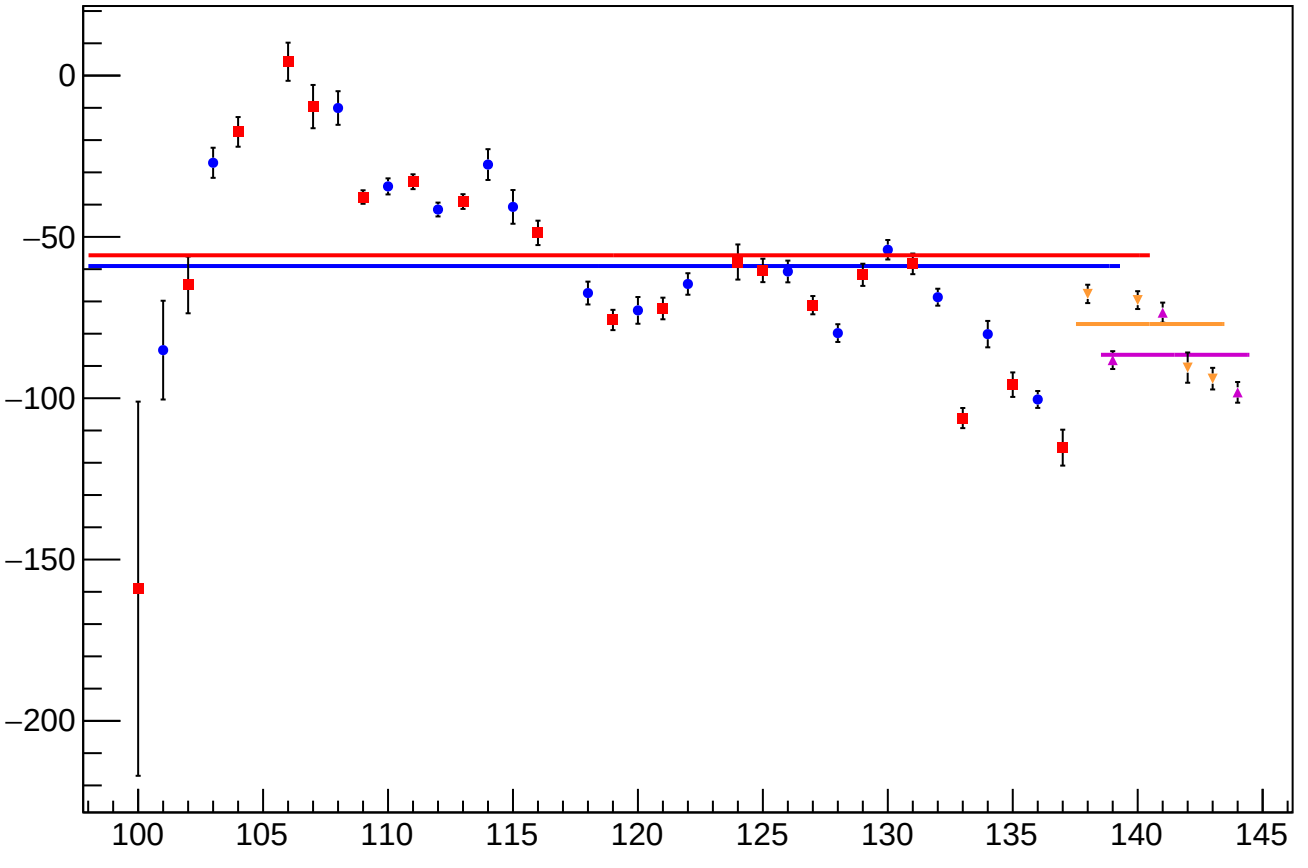
Left: -224.826+/-0.145 χ^2/NDF: 918804.6/6

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -247.848+/-0.119 χ^2/NDF:249873.1/18

Out: -199.272+/-0.108 χ^2/NDF:783875.5/22

All: -221.208+/-0.080 χ^2/NDF: 1124409.4/41



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -77.000+/-1.603 χ^2/NDF:51.8/3

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -86.539+/-1.736 χ^2/NDF:31.2/2

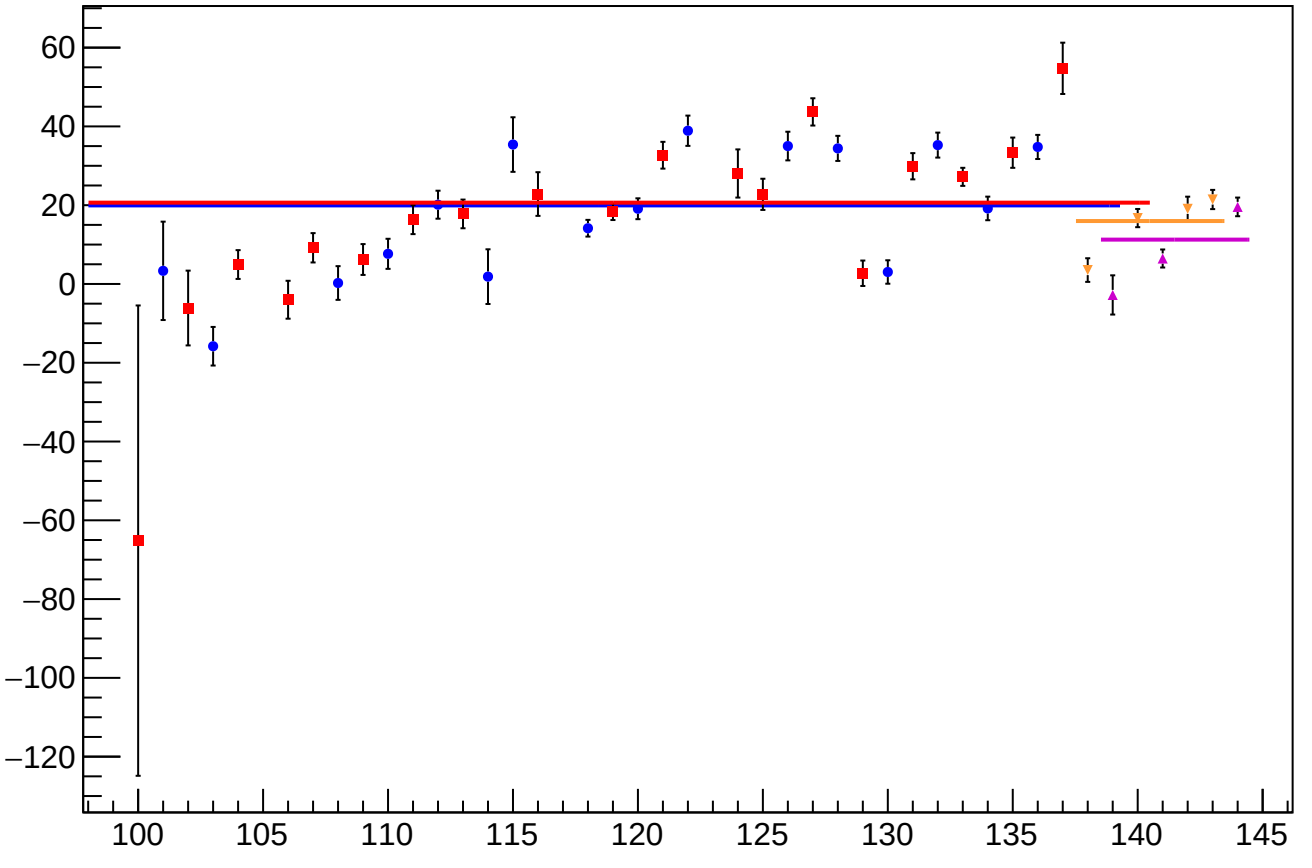
Left: -81.389+/-1.178 χ^2/NDF: 99.3/6

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -64.139+/-0.748 χ^2/NDF:962.8/18

Out: -59.863+/-0.709 χ^2/NDF:1235.0/22

All: -61.884+/-0.515 χ^2/NDF: 2215.1/41



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 15.977+/-1.323 χ^2/NDF:23.3/3

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 11.258+/-1.562 χ^2/NDF:24.7/2

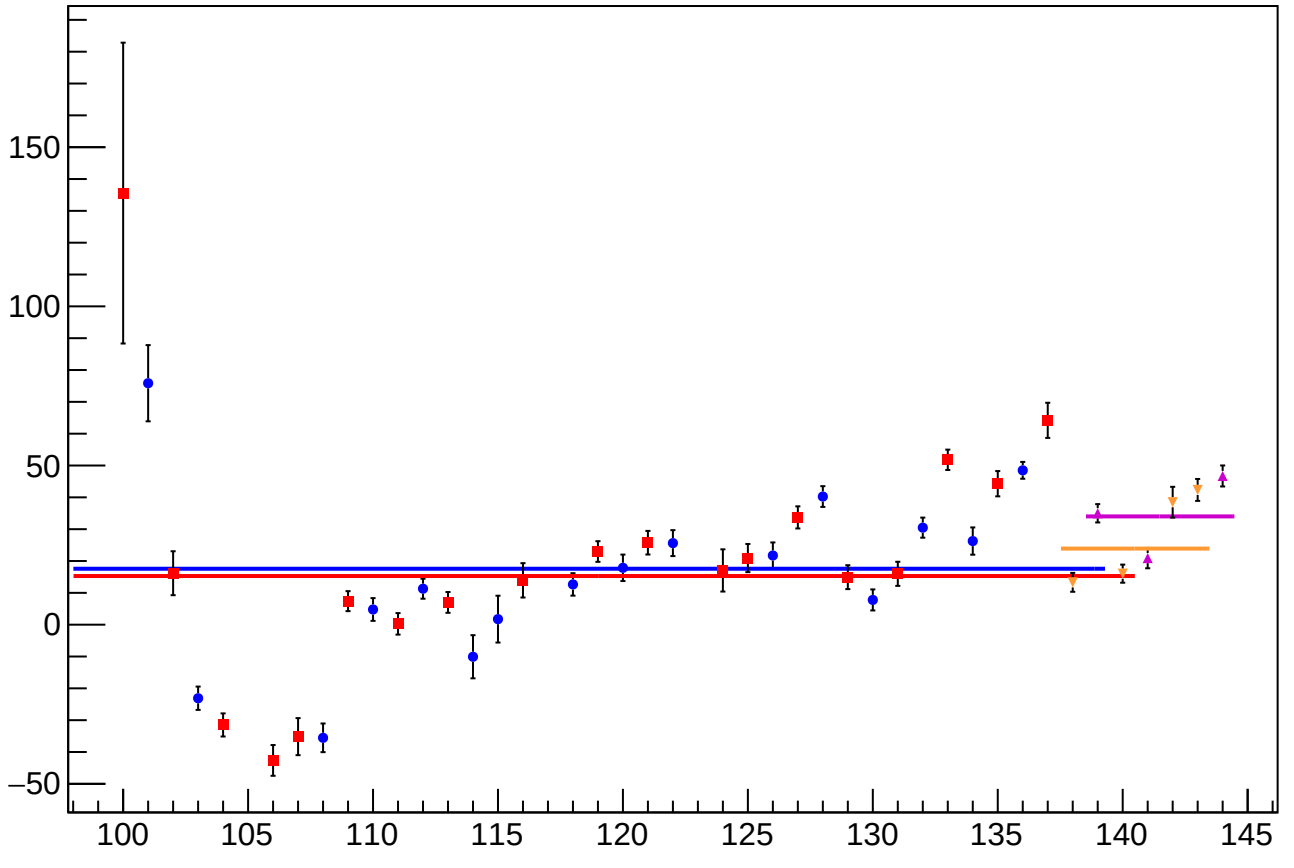
Left: 14.005+/-1.010 χ^2/NDF: 53.3/6

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 17.899+/-0.758 χ^2/NDF:295.5/18

Out: 19.294+/-0.711 χ^2/NDF:256.9/22

All: 18.641+/-0.519 χ^2/NDF: 554.2/41



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 23.901+/-1.657 χ^2/NDF:58.1/3

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 34.015+/-1.794 χ^2/NDF:31.8/2

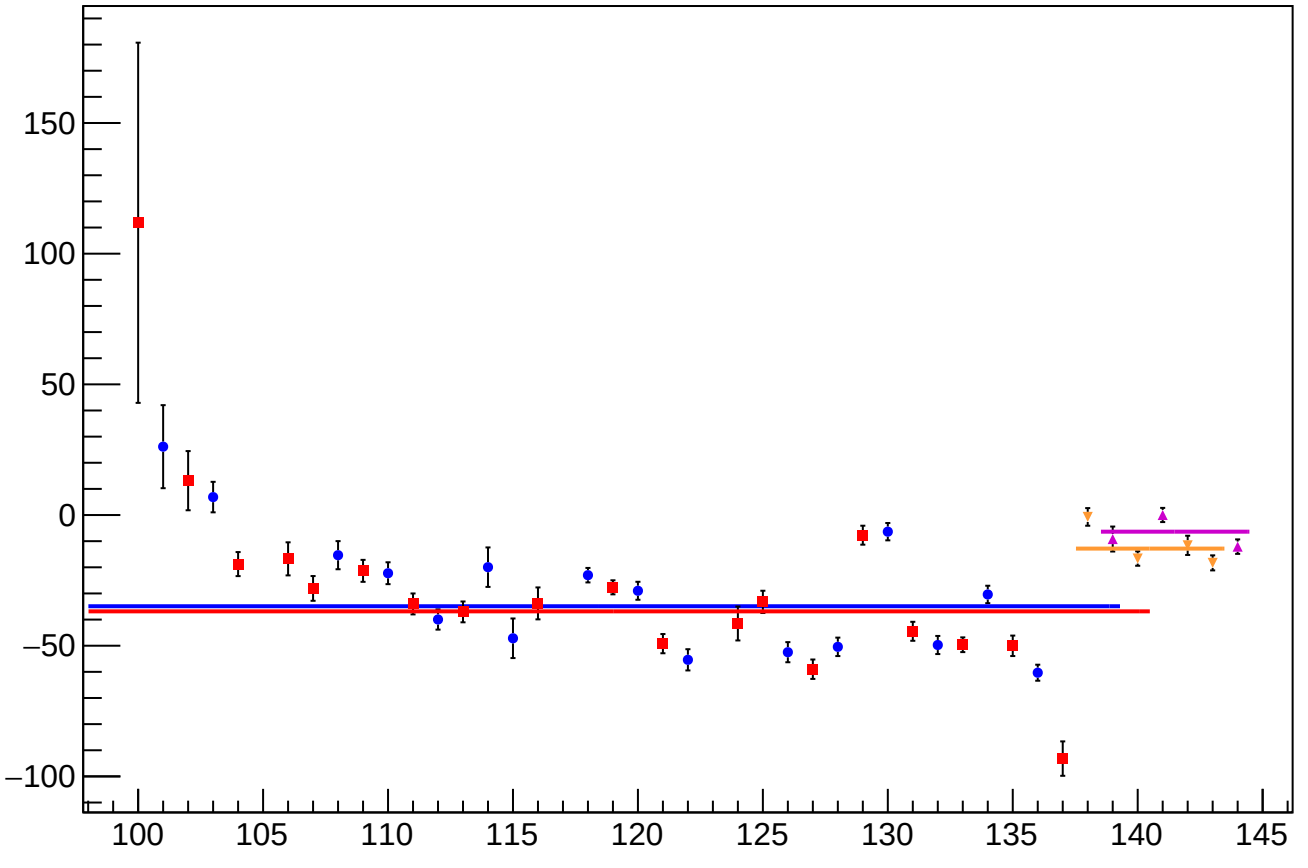
Left: 28.556+/-1.217 χ^2/NDF: 107.0/6

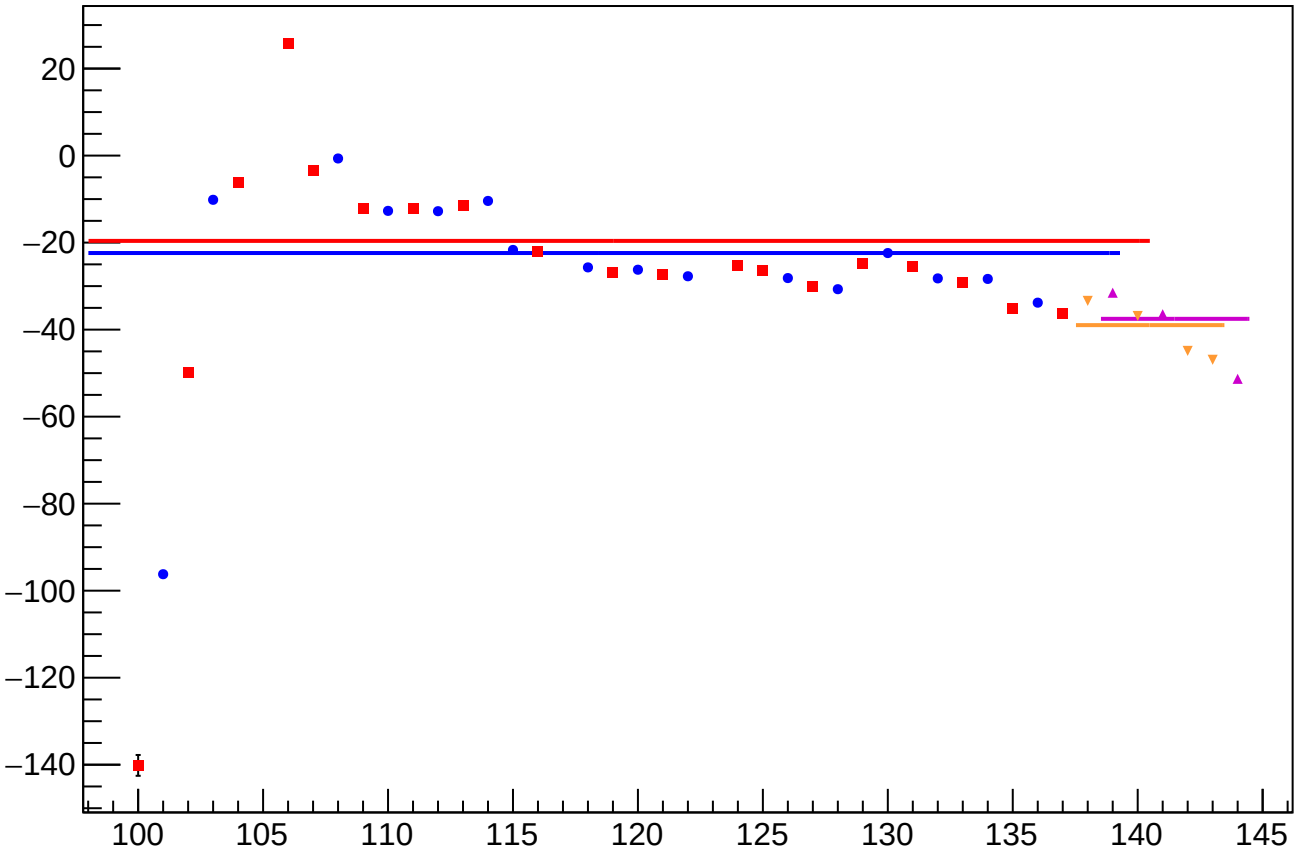
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 21.213+/-0.844 χ^2/NDF:643.3/18

Out: 17.361+/-0.814 χ^2/NDF:808.7/22

All: 19.216+/-0.586 χ^2/NDF: 1462.8/41


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
105
110
115
120
125
130
135
140
145
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -12.839+/-1.556 χ²/NDF:18.5/3
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -6.367+/-1.797 χ²/NDF:10.1/2
Left: -10.065+/-1.176 χ²/NDF: 36.1/6
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -28.251+/-0.867 χ²/NDF:550.2/18
Out: -30.138+/-0.823 χ²/NDF:491.5/22
All: -29.244+/-0.597 χ²/NDF: 1044.2/41



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -38.966+/-0.069 χ^2/NDF:6551.2/3

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -37.520+/-0.071 χ^2/NDF:12193.8/2

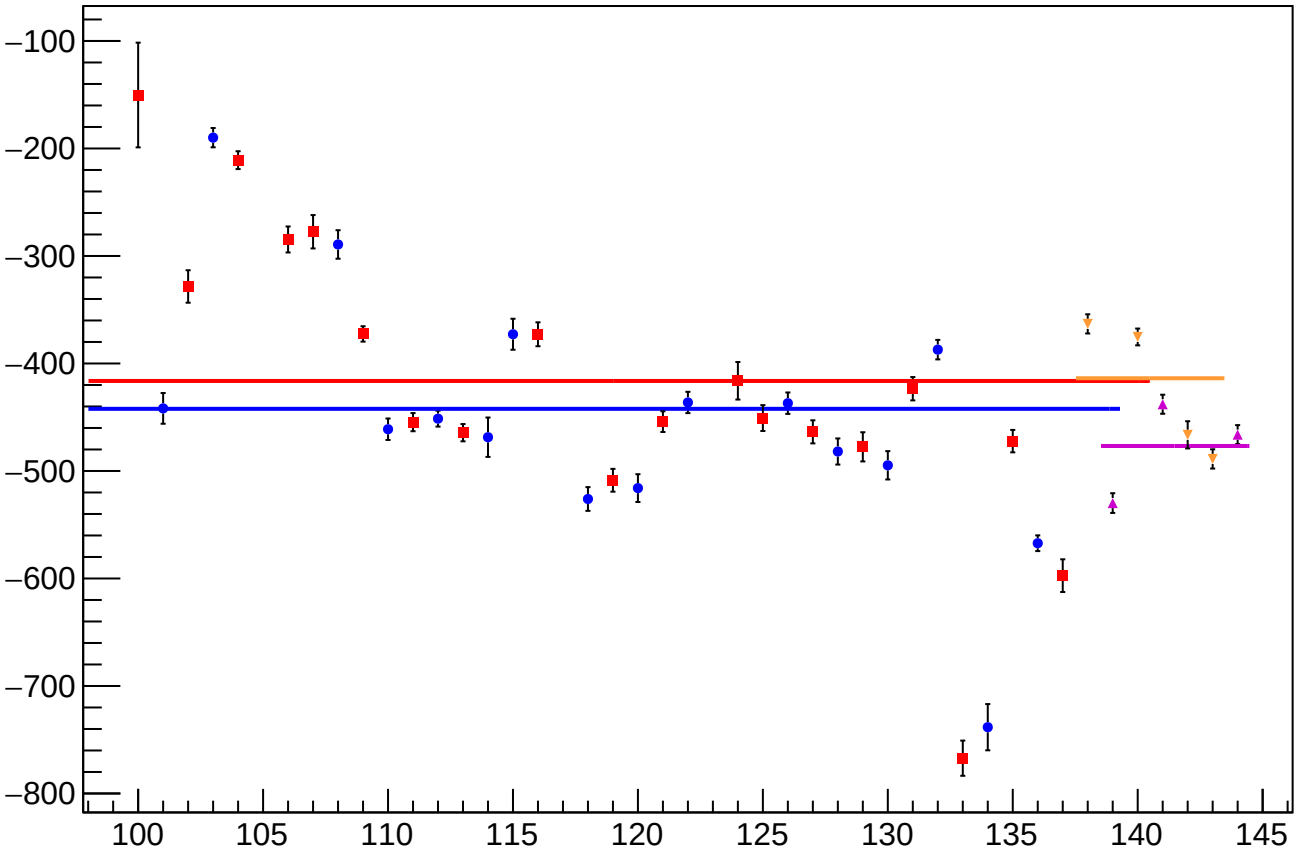
Left: -38.262+/-0.049 χ^2/NDF: 18959.6/6

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -28.508+/-0.045 χ^2/NDF:85932.2/18

Out: -27.868+/-0.045 χ^2/NDF:135683.7/22

All: -28.188+/-0.032 χ^2/NDF: 221716.9/41



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -413.754+/-4.585 χ^2/NDF:143.6/3

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -476.751+/-5.166 χ^2/NDF:54.2/2

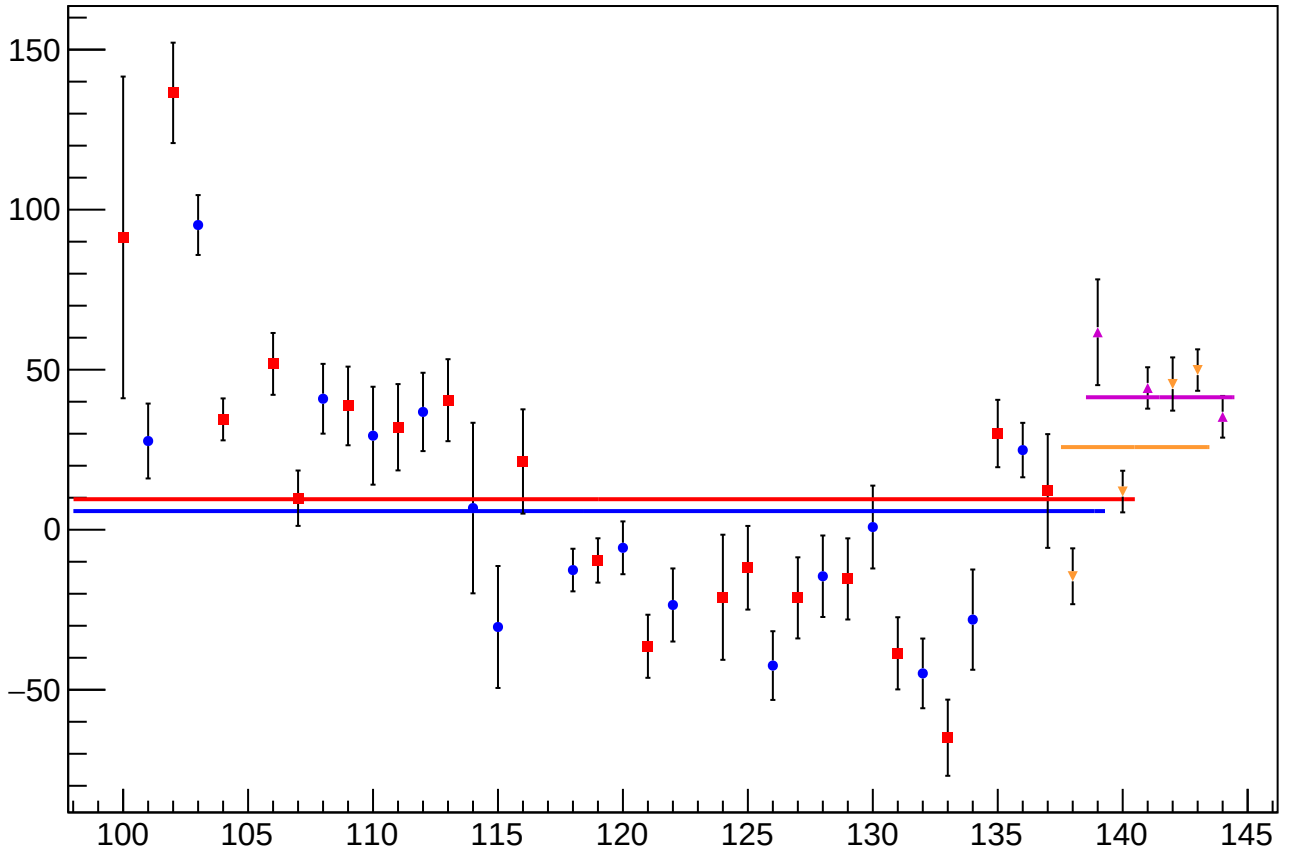
Left: -441.514+/-3.429 χ^2/NDF: 280.9/6

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -449.520+/-2.380 χ^2/NDF:1678.6/18

Out: -415.677+/-2.210 χ^2/NDF:1897.6/22

All: -431.347+/-1.620 χ^2/NDF: 3684.7/41



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 25.819+/-3.649 χ^2/NDF:45.4/3

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 41.391+/-4.421 χ^2/NDF:2.6/2

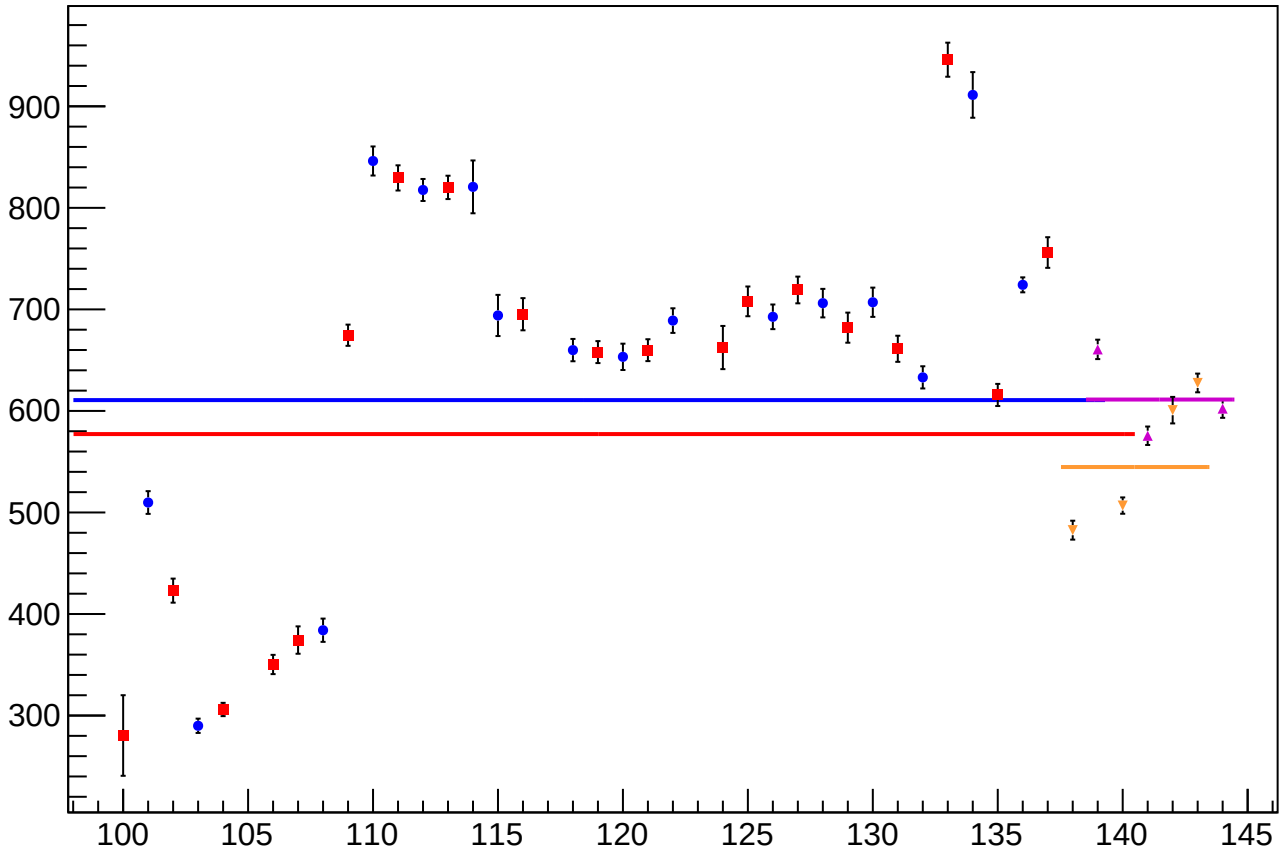
Left: 32.129+/-2.814 χ^2/NDF: 55.4/6

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 15.633+/-2.322 χ^2/NDF:237.6/18

Out: 14.896+/-2.094 χ^2/NDF:280.9/22

All: 15.226+/-1.555 χ^2/NDF: 518.5/41



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 544.752+/-4.734 χ^2/NDF:165.9/3

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 611.212+/-5.333 χ^2/NDF:43.1/2

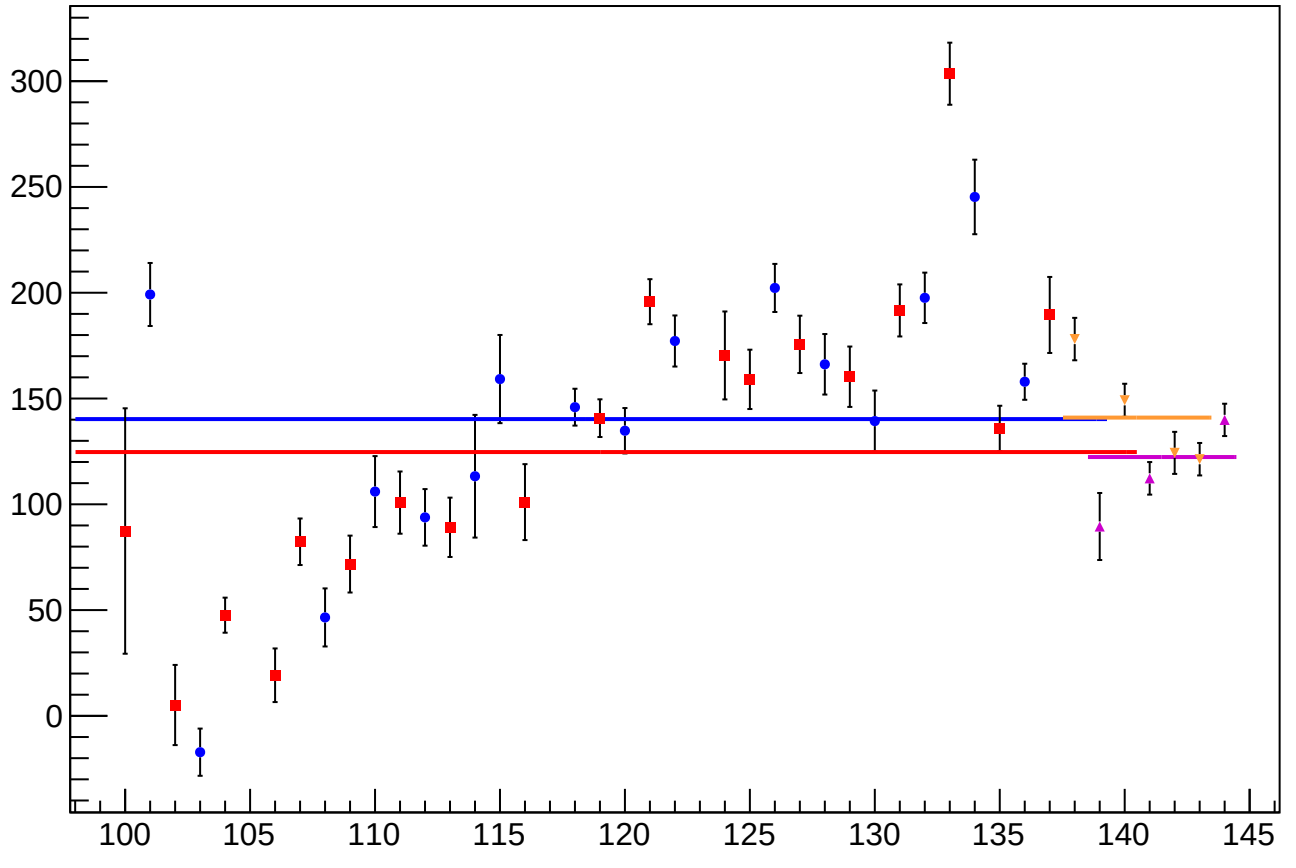
Left: 574.042+/-3.541 χ^2/NDF: 295.9/6

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 610.790+/-2.543 χ^2/NDF:3935.6/18

Out: 568.995+/-2.381 χ^2/NDF:5001.3/22

All: 588.525+/-1.738 χ^2/NDF: 9080.9/41



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 140.986+/-4.327 χ^2/NDF:24.2/3

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 122.341+/-5.130 χ^2/NDF:11.3/2

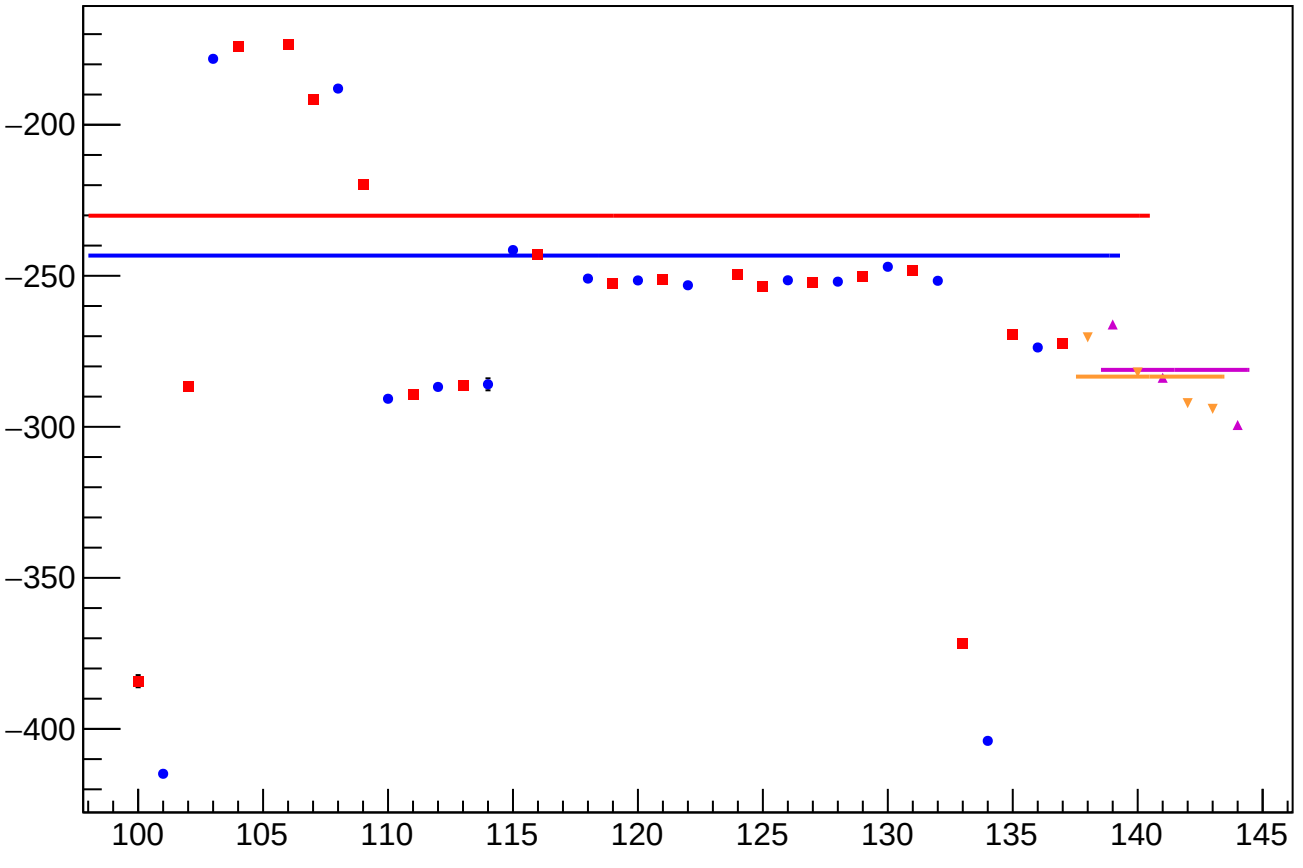
Left: 133.236+/-3.308 χ^2/NDF: 43.2/6

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 135.365+/-2.685 χ^2/NDF:405.5/18

Out: 129.934+/-2.453 χ^2/NDF:542.3/22

All: 132.405+/-1.811 χ^2/NDF: 950.1/41



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -283.376+/-0.200 χ^2/NDF:2254.2/3

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -281.142+/-0.214 χ^2/NDF:3999.6/2

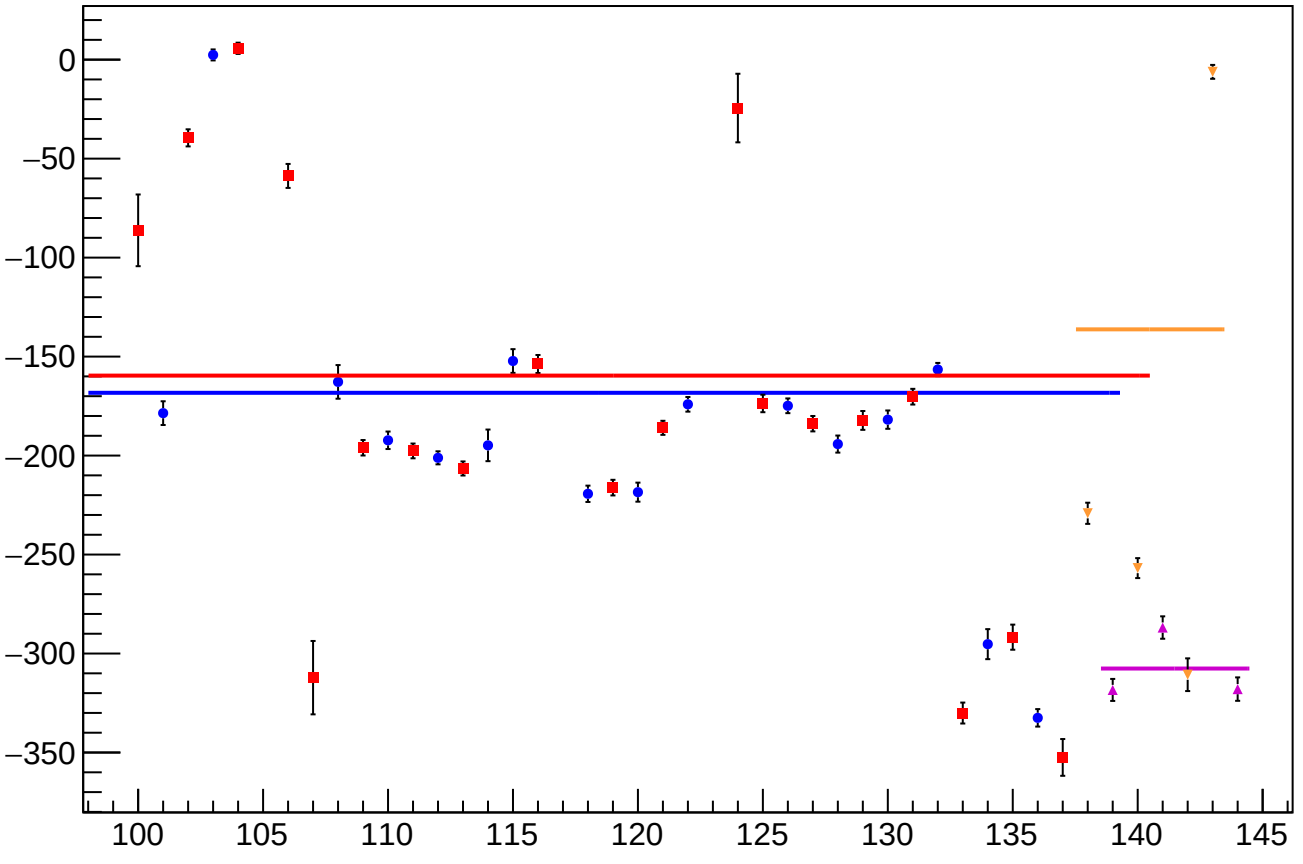
Left: -282.337+/-0.146 χ^2/NDF: 6312.1/6

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -257.140+/-0.129 χ^2/NDF:197302.7/18

Out: -250.532+/-0.124 χ^2/NDF:148632.2/22

All: -253.683+/-0.089 χ^2/NDF: 347298.6/41



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -136.241+/-2.424 χ^2/NDF:2695.0/3

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -307.578+/-3.294 χ^2/NDF:20.3/2

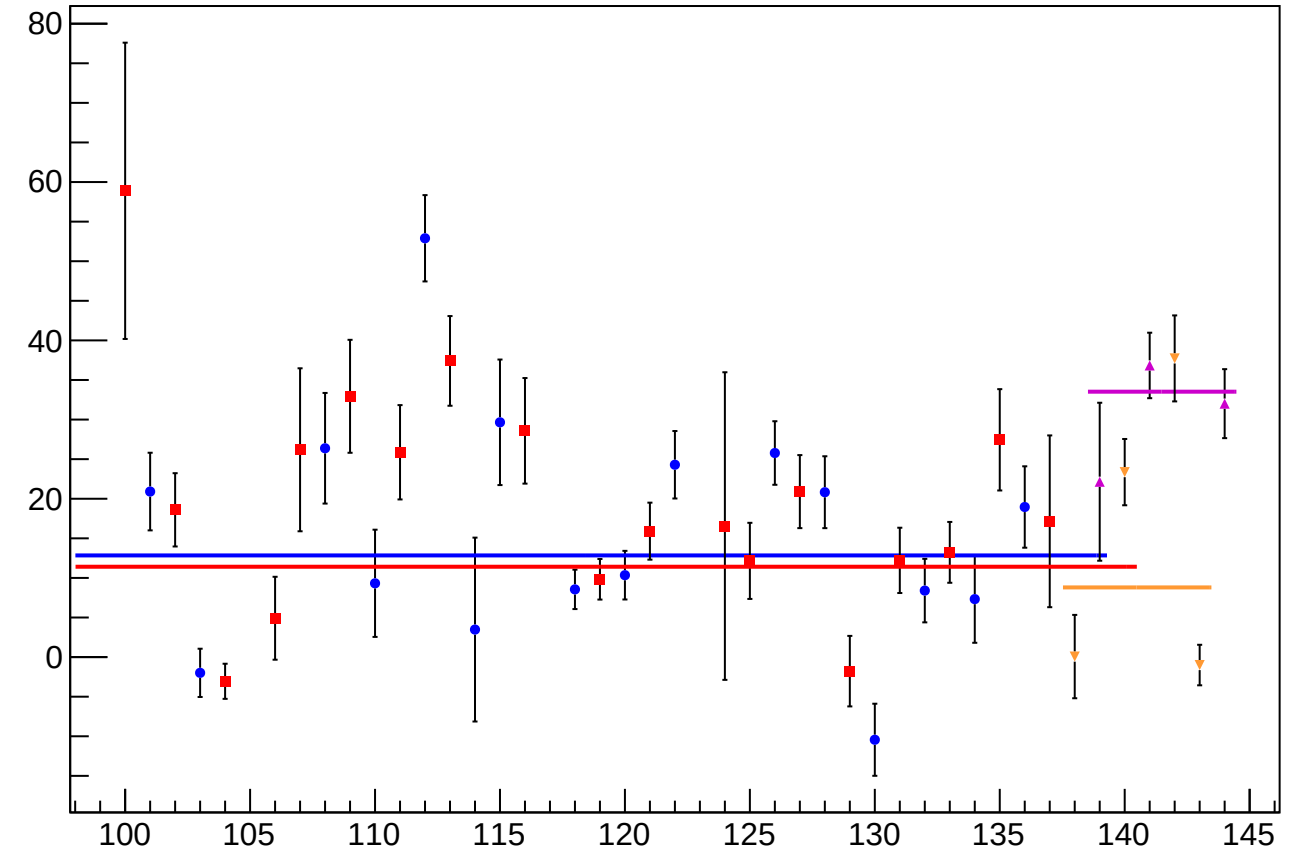
Left: -196.422+/-1.952 χ^2/NDF: 4470.8/6

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -181.717+/-1.023 χ^2/NDF:7543.8/18

Out: -155.955+/-0.958 χ^2/NDF:9971.3/22

All: -167.990+/-0.699 χ^2/NDF: 17853.2/41



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.800+/-1.891 χ^2/NDF:57.9/3

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 33.522+/-2.872 χ^2/NDF:2.1/2

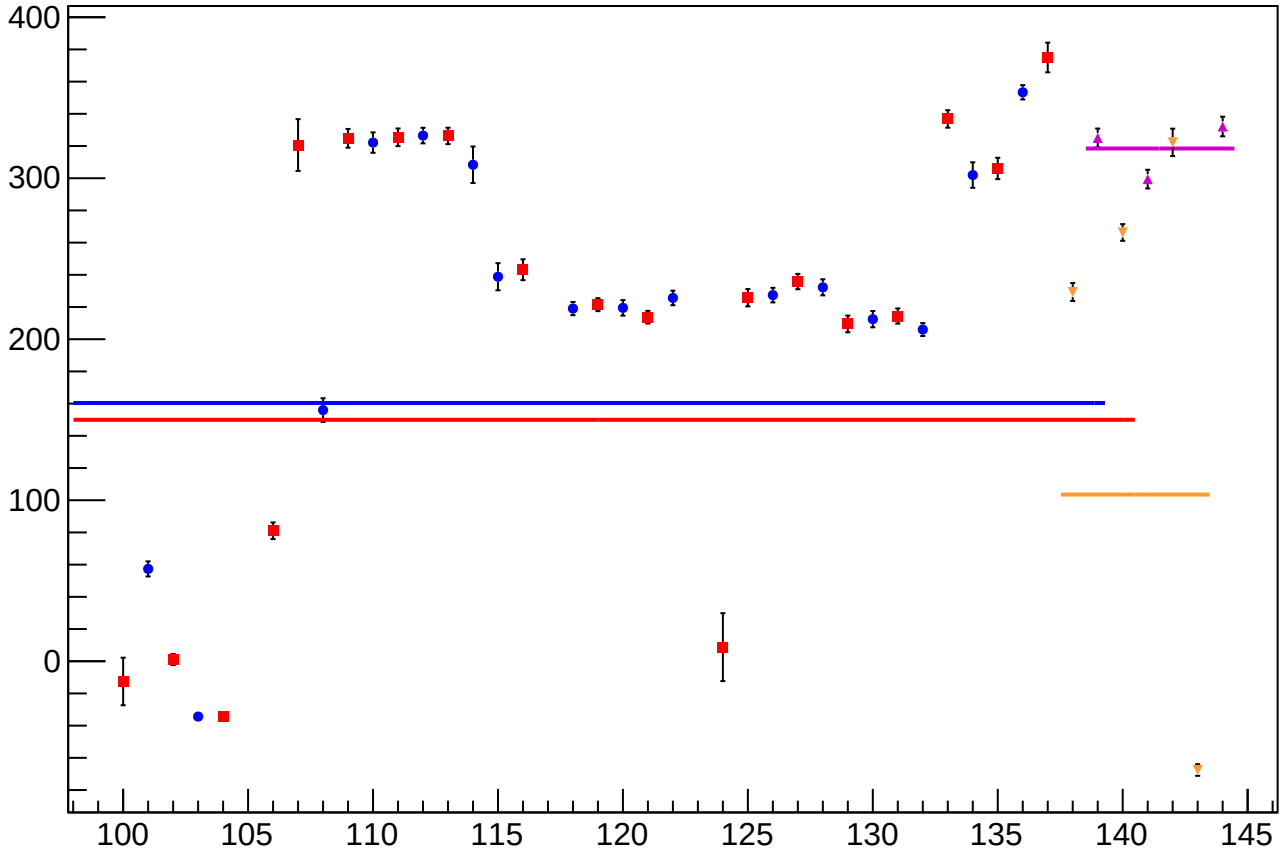
Left: 16.274+/-1.579 χ^2/NDF: 111.7/6

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 15.389+/-1.008 χ^2/NDF:191.2/18

Out: 10.810+/-0.908 χ^2/NDF:178.9/22

All: 12.862+/-0.675 χ^2/NDF: 381.6/41



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 103.522+/-2.500 χ^2/NDF:4401.9/3

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 318.461+/-3.402 χ^2/NDF:17.1/2

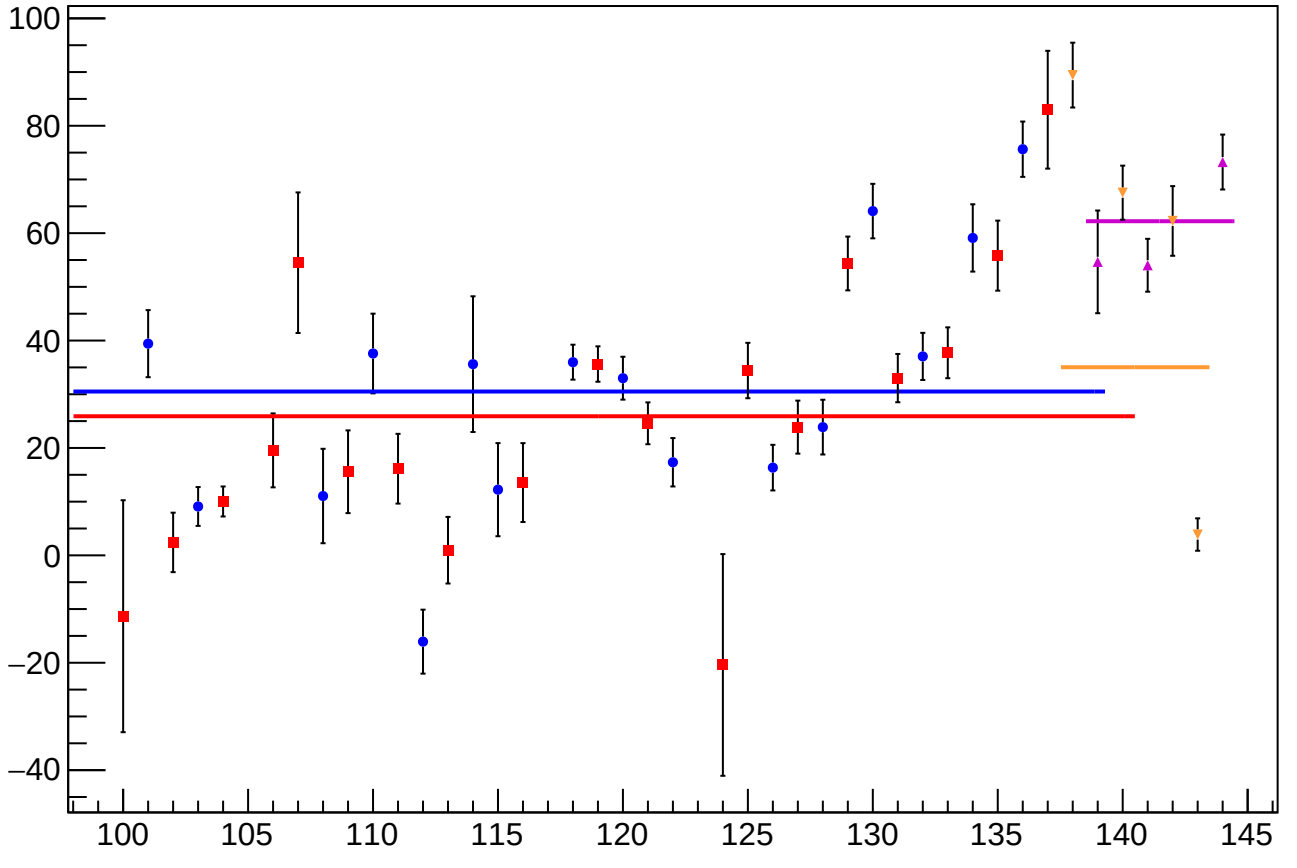
Left: 178.904+/-2.015 χ^2/NDF: 7010.5/6

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 176.337+/-1.080 χ^2/NDF:15907.7/18

Out: 142.364+/-1.012 χ^2/NDF:20955.6/22

All: 158.247+/-0.739 χ^2/NDF: 37390.1/41



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 35.037+/-2.233 χ^2/NDF:247.3/3

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 62.223+/-3.325 χ^2/NDF:8.0/2

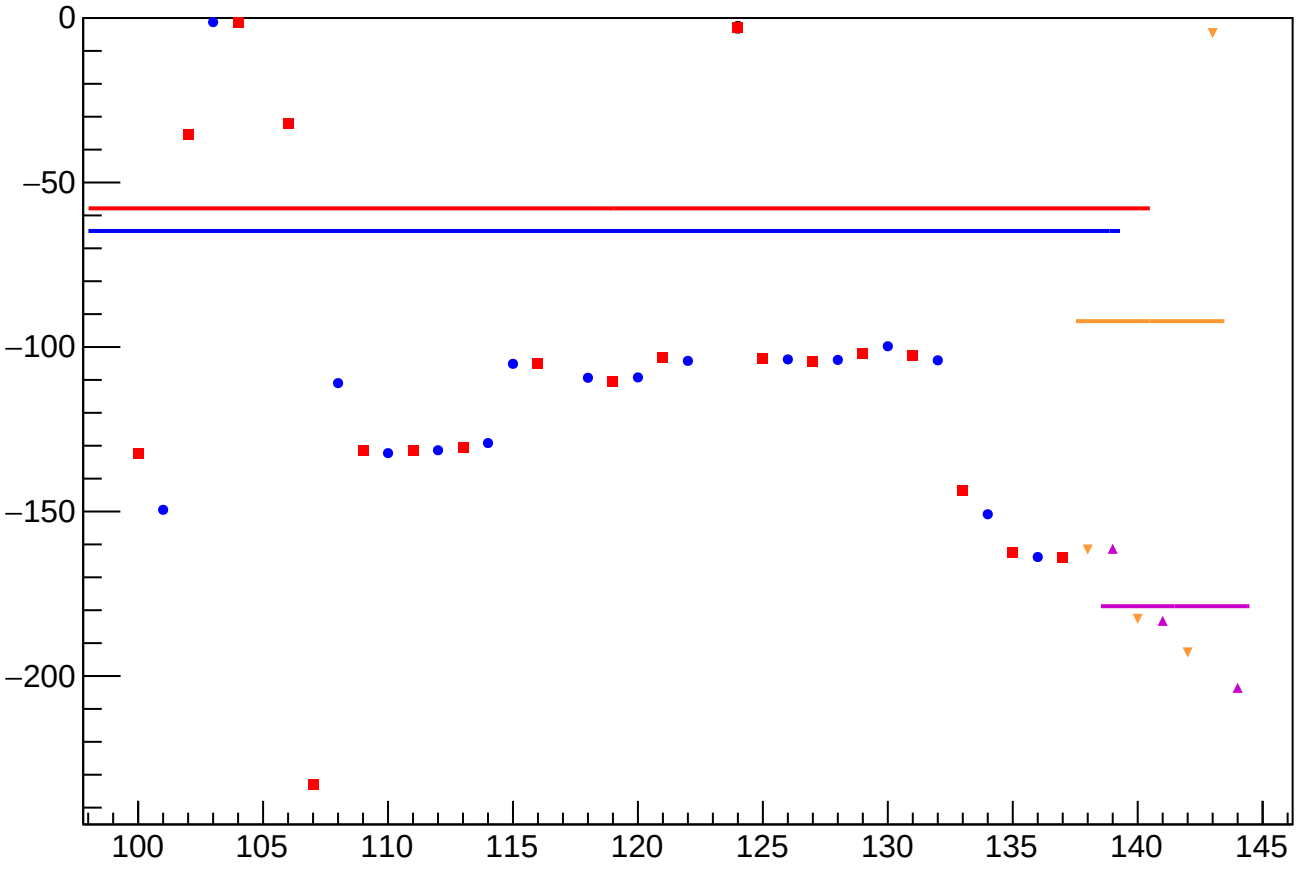
Left: 43.487+/-1.854 χ^2/NDF: 301.4/6

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 34.462+/-1.174 χ^2/NDF:364.6/18

Out: 27.985+/-1.066 χ^2/NDF:448.0/22

All: 30.912+/-0.789 χ^2/NDF: 829.3/41



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -92.137+/-0.105 χ^2/NDF:673553.0/3

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -178.781+/-0.135 χ^2/NDF:15772.9/2

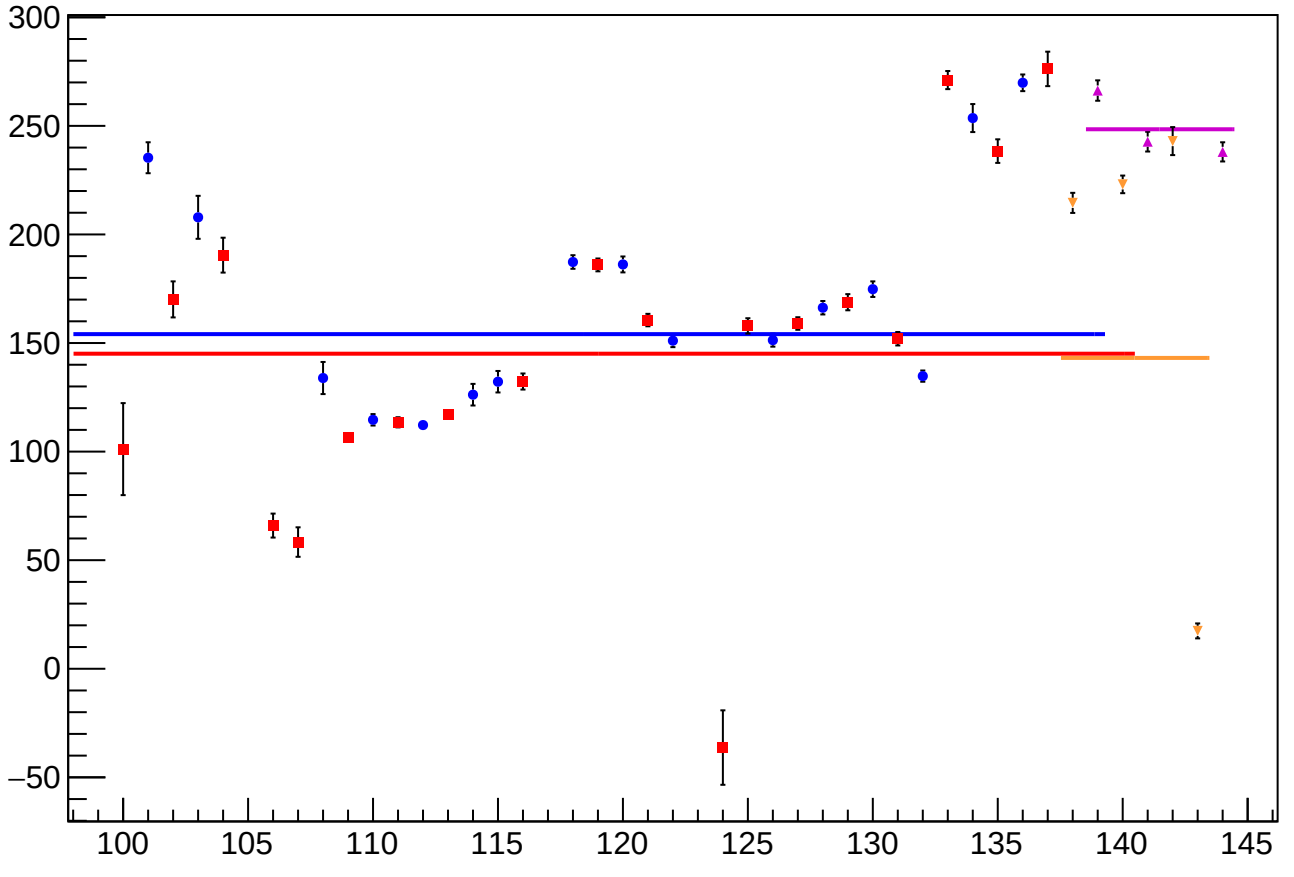
Left: -124.534+/-0.083 χ^2/NDF: 945786.7/6

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -85.450+/-0.058 χ^2/NDF:1641034.4/18

Out: -66.797+/-0.053 χ^2/NDF:1628715.2/22

All: -75.407+/-0.039 χ^2/NDF: 3325999.1/41



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 143.141+/-2.153 χ^2/NDF:2197.6/3

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 248.436+/-2.628 χ^2/NDF:21.5/2

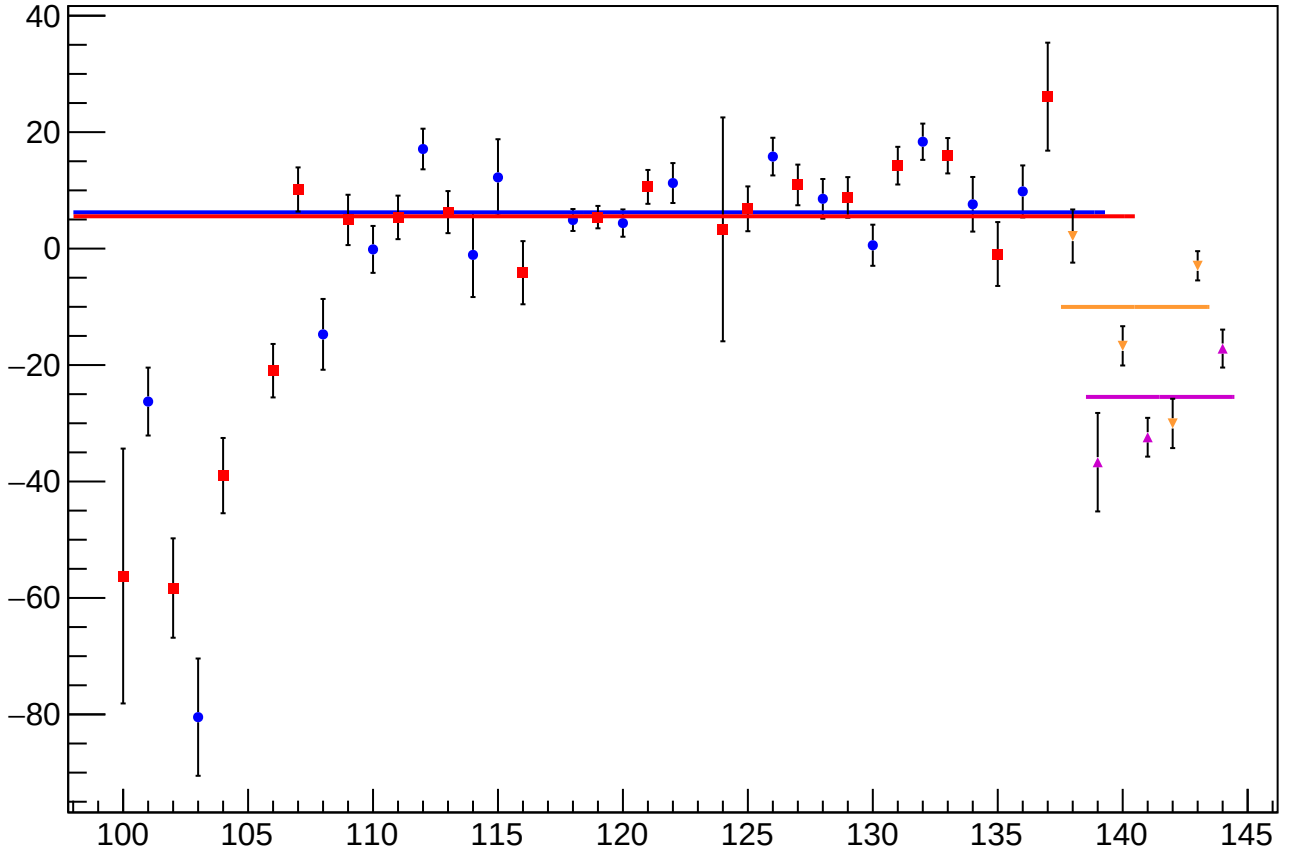
Left: 185.422+/-1.665 χ^2/NDF: 3179.9/6

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 163.397+/-0.825 χ^2/NDF:3464.3/18

Out: 144.834+/-0.771 χ^2/NDF:5156.7/22

All: 153.489+/-0.563 χ^2/NDF: 8891.1/41



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -10.017+/-1.690 χ^2/NDF:41.3/3

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -25.472+/-2.246 χ^2/NDF:12.6/2

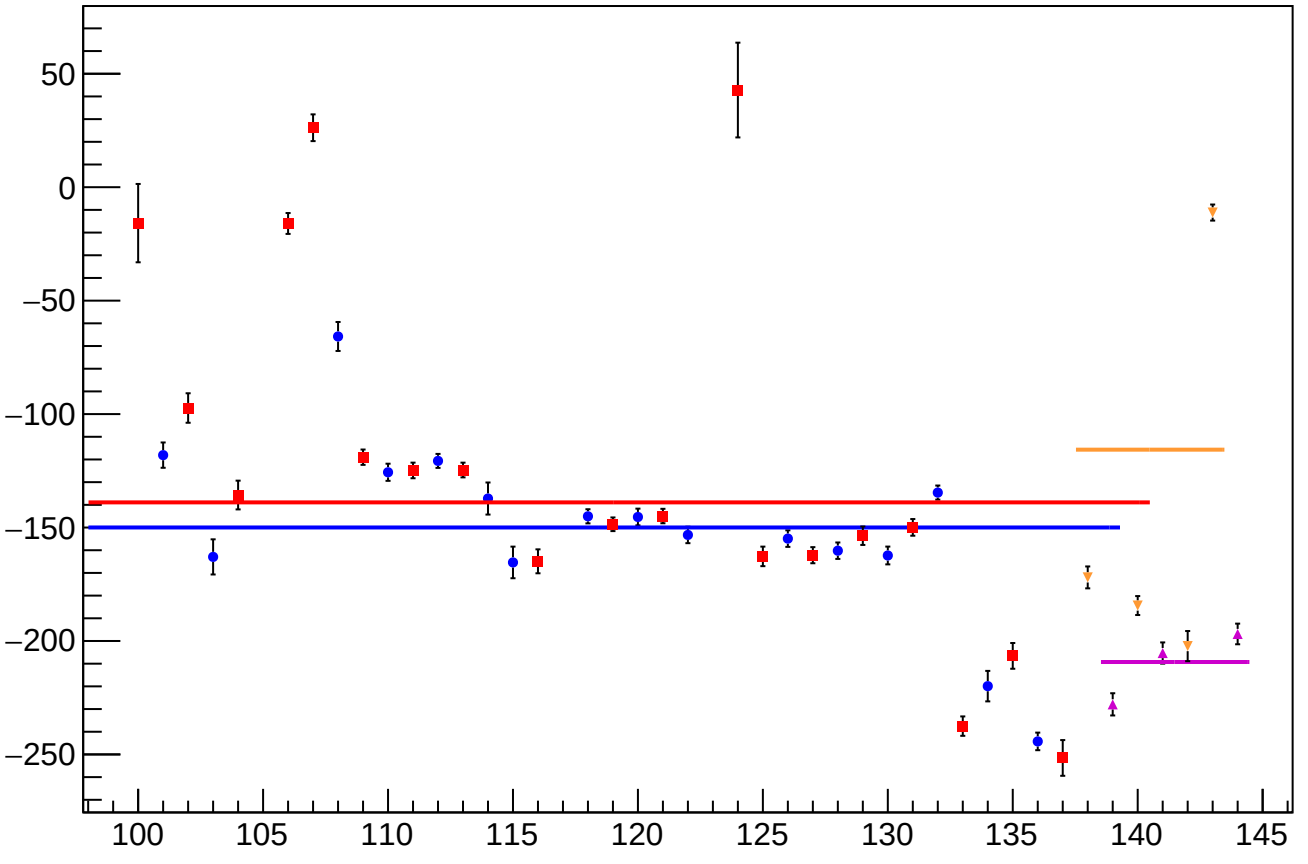
Left: -15.607+/-1.351 χ^2/NDF: 84.1/6

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 1.926+/-0.827 χ^2/NDF:346.8/18

Out: 2.173+/-0.787 χ^2/NDF:288.8/22

All: 2.056+/-0.570 χ^2/NDF: 635.7/41



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -115.679+/-2.221 χ^2/NDF:1446.5/3

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -209.263+/-2.713 χ^2/NDF:22.6/2

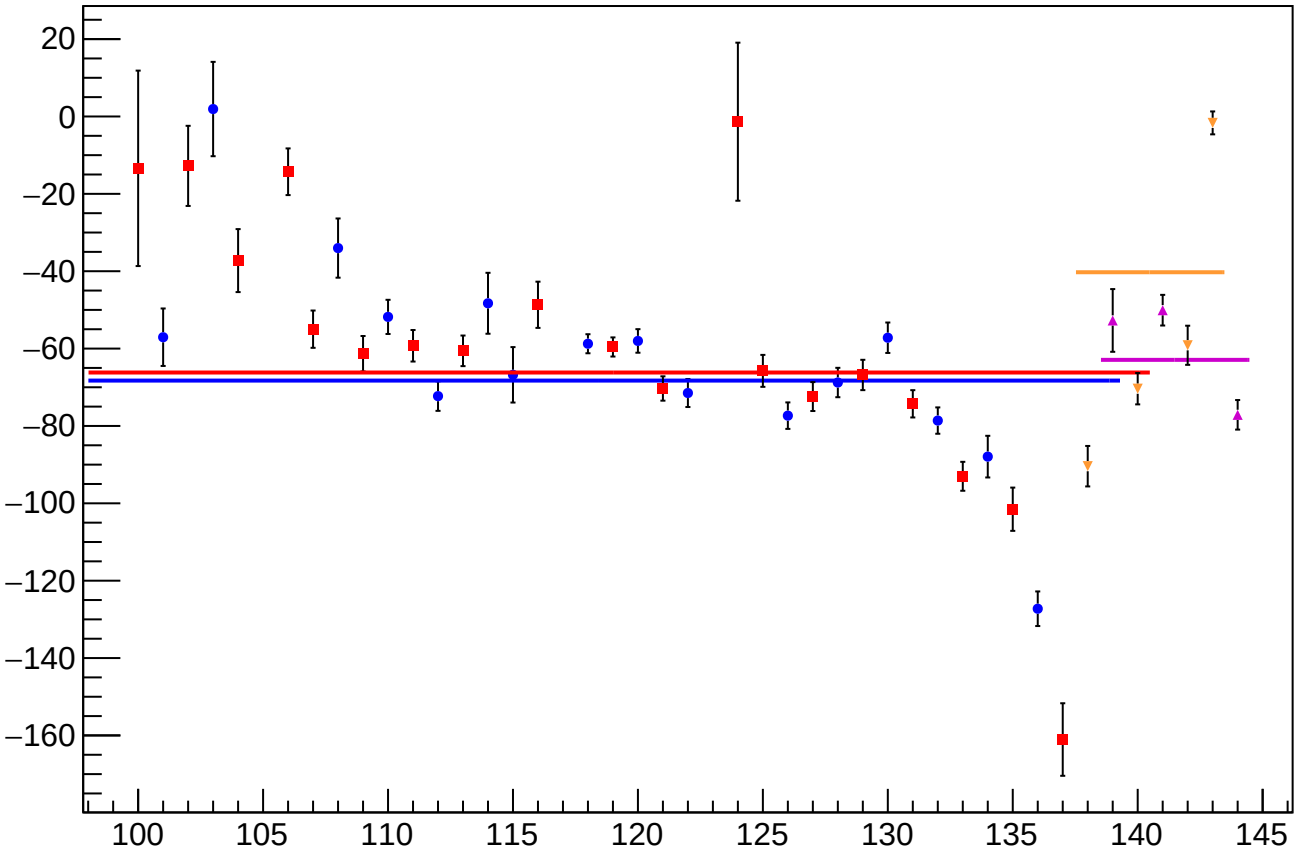
Left: -153.237+/-1.719 χ^2/NDF: 2181.4/6

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -157.384+/-0.959 χ^2/NDF:1540.0/18

Out: -135.040+/-0.907 χ^2/NDF:4288.6/22

All: -145.584+/-0.659 χ^2/NDF: 6115.0/41



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -40.265+/-1.998 χ^2/NDF:330.8/3

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -62.915+/-2.605 χ^2/NDF:25.9/2

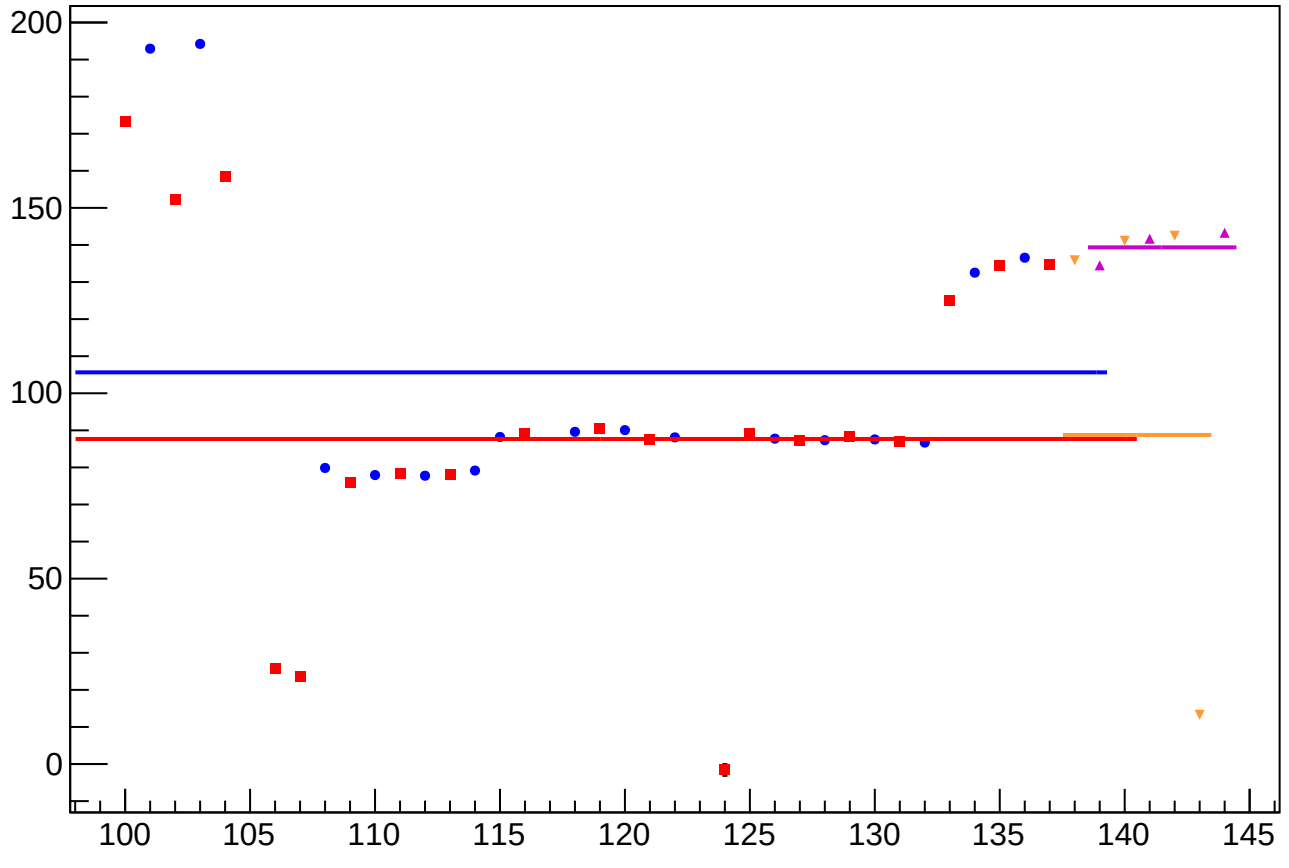
Left: -48.655+/-1.585 χ^2/NDF: 404.3/6

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -67.544+/-0.960 χ^2/NDF:345.0/18

Out: -60.795+/-0.911 χ^2/NDF:822.4/22

All: -63.992+/-0.661 χ^2/NDF: 1193.4/41



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 88.753+/-0.093 χ^2/NDF:440542.6/3

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 139.357+/-0.109 χ^2/NDF:1293.1/2

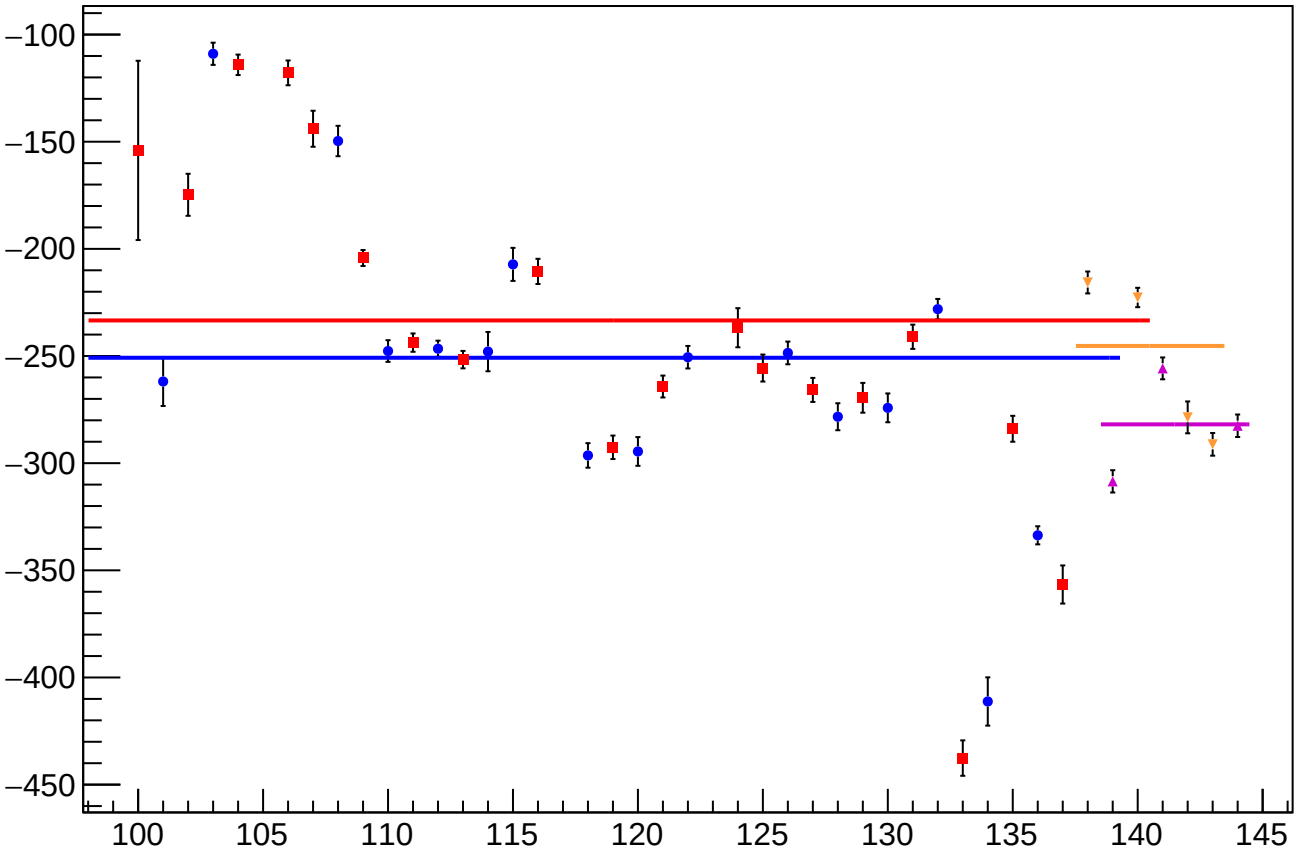
Left: 110.122+/-0.071 χ^2/NDF: 566407.8/6

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 115.654+/-0.059 χ^2/NDF:308203.6/18

Out: 88.031+/-0.054 χ^2/NDF:815093.1/22

All: 100.444+/-0.040 χ^2/NDF: 1242408.9/41



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -245.296+/-2.663 χ^2/NDF:153.9/3

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -281.886+/-2.992 χ^2/NDF:52.4/2

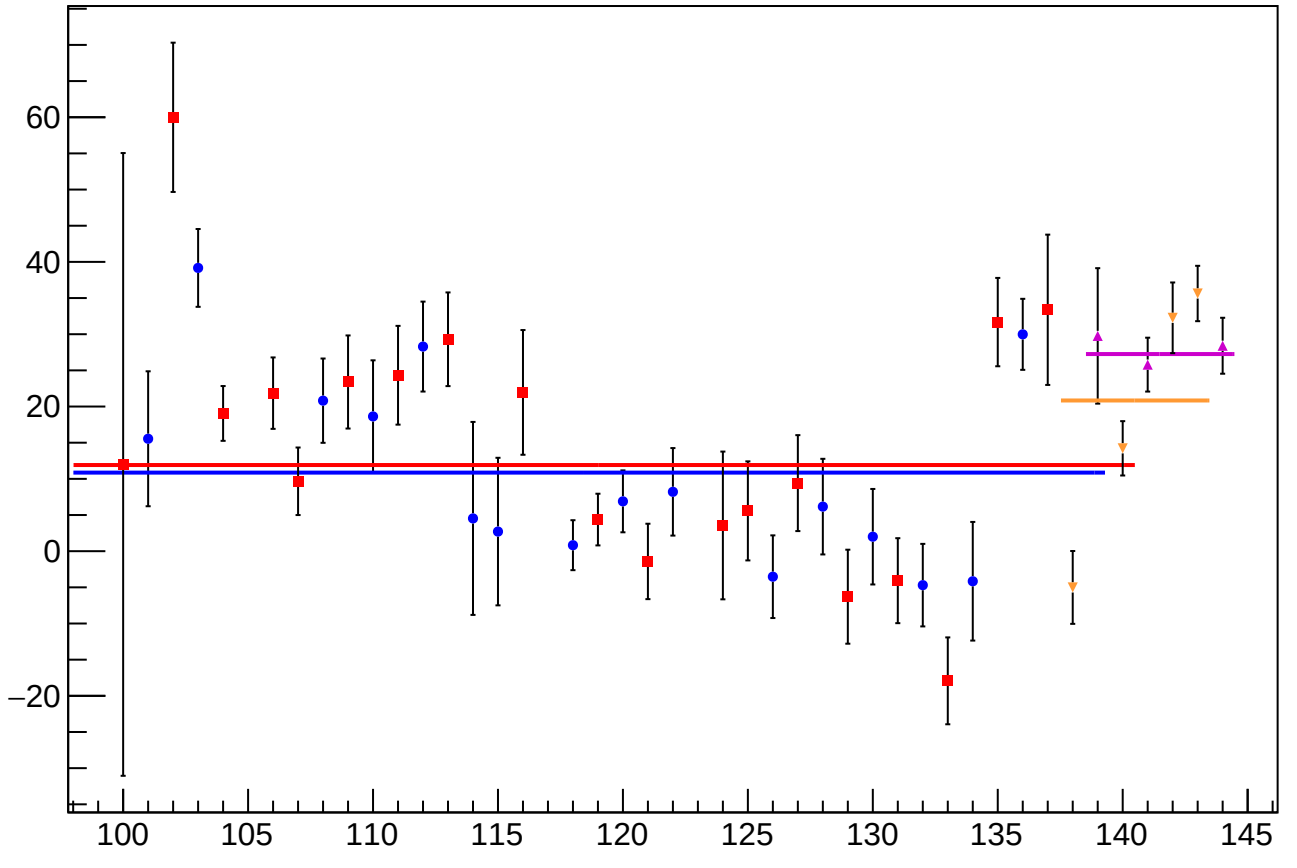
Left: -261.471+/-1.989 χ^2/NDF: 289.7/6

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.645+/-1.296 χ^2/NDF:1875.7/18

Out: -235.781+/-1.192 χ^2/NDF:2548.4/22

All: -245.342+/-0.877 χ^2/NDF: 4564.4/41



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.837+/-2.130 χ^2/NDF:49.9/3

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 27.256+/-2.579 χ^2/NDF:0.3/2

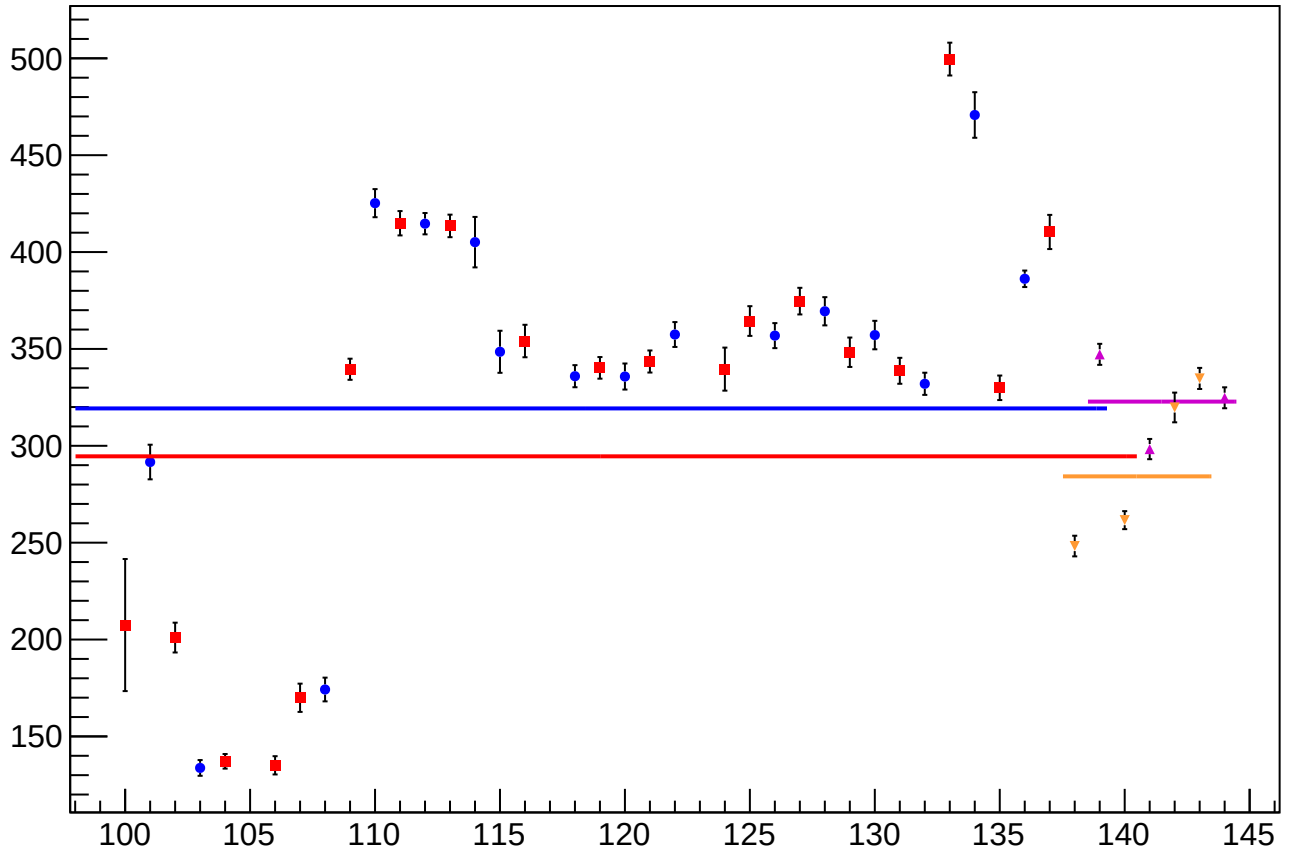
Left: 23.440+/-1.642 χ^2/NDF: 53.8/6

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.886+/-1.278 χ^2/NDF:115.5/18

Out: 14.517+/-1.151 χ^2/NDF:174.2/22

All: 14.682+/-0.855 χ^2/NDF: 289.7/41



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 284.220+/-2.750 χ^2/NDF:176.9/3

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 322.810+/-3.089 χ^2/NDF:42.3/2

Left: 301.281+/-2.054 χ^2/NDF: 306.3/6

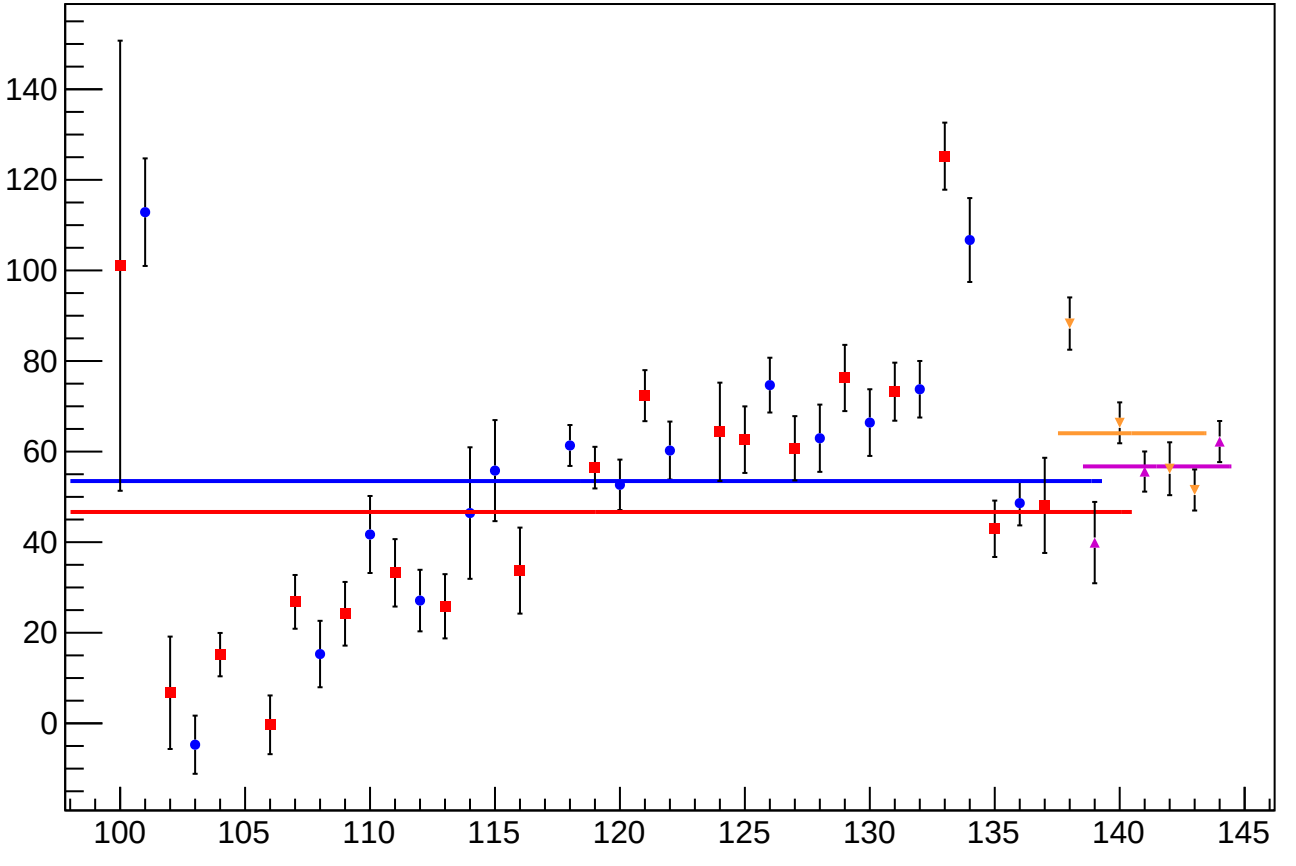
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 320.027+/-1.411 χ^2/NDF:3836.3/18

Out: 292.240+/-1.304 χ^2/NDF:5691.0/22

All: 305.043+/-0.958 χ^2/NDF: 9736.5/41

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: 64.048+/-2.524 χ^2/NDF:27.3/3

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 56.728+/-2.990 χ^2/NDF:5.0/2

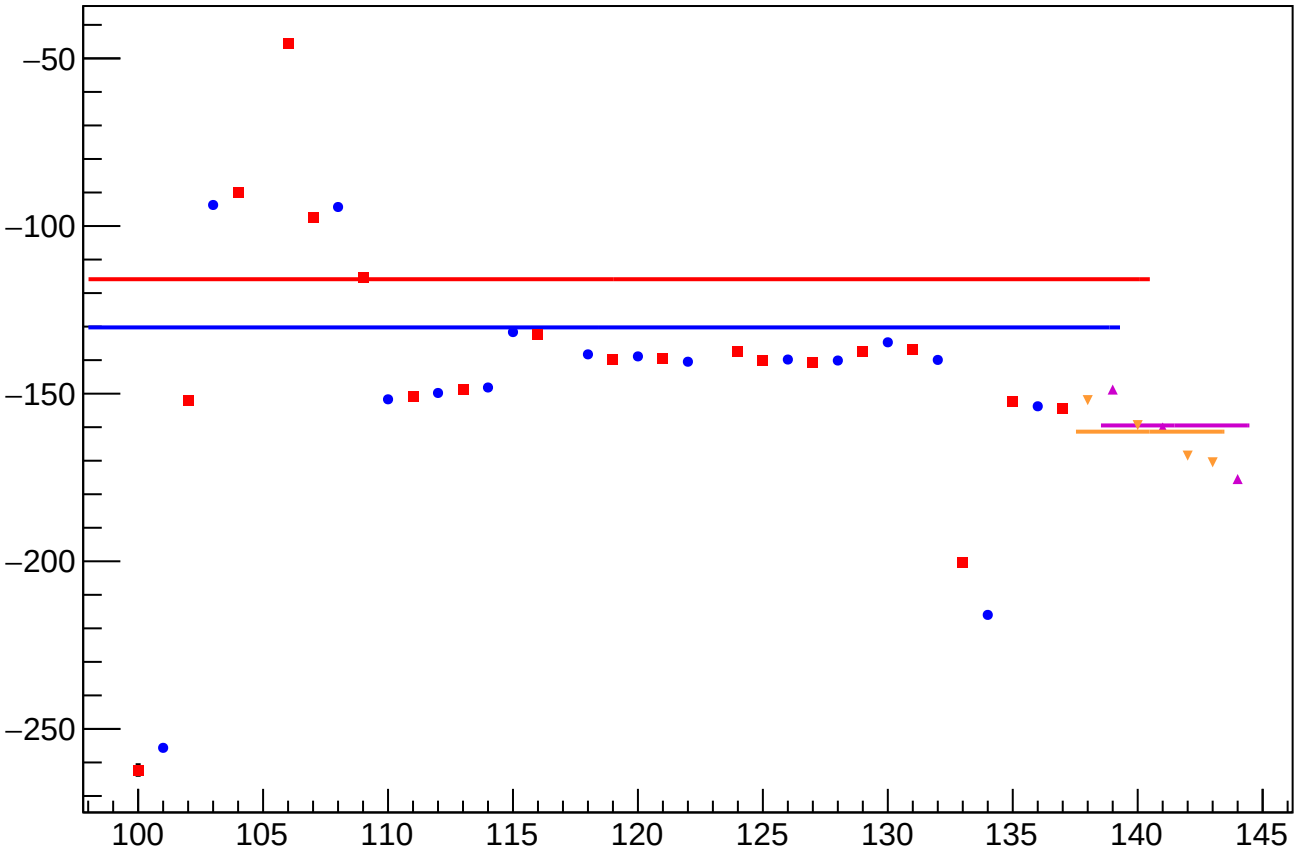
Left: 61.003+/-1.929 χ^2/NDF: 35.8/6

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 54.283+/-1.477 χ^2/NDF:223.2/18

Out: 51.620+/-1.347 χ^2/NDF:386.8/22

All: 52.830+/-0.995 χ^2/NDF: 611.8/41



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -161.331+/-0.116 χ^2/NDF:4152.3/3

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -159.478+/-0.124 χ^2/NDF:7430.6/2

Left: -160.464+/-0.084 χ^2/NDF: 11702.6/6

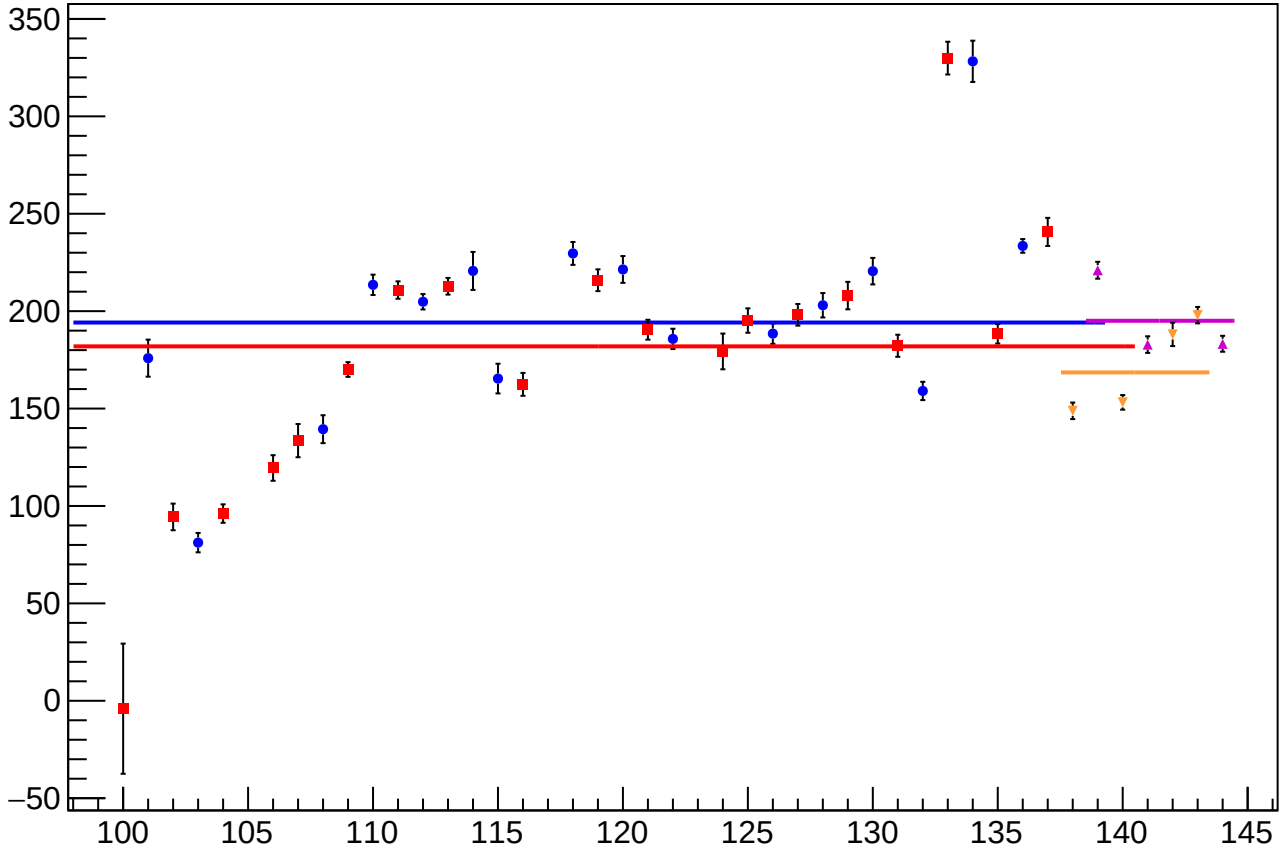
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -140.532+/-0.073 χ^2/NDF:217930.7/18

Out: -131.957+/-0.069 χ^2/NDF:309621.8/22

All: -135.979+/-0.050 χ^2/NDF: 534817.3/41

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 168.562+/-2.178 χ^2/NDF:97.5/3

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 195.056+/-2.438 χ^2/NDF:52.4/2

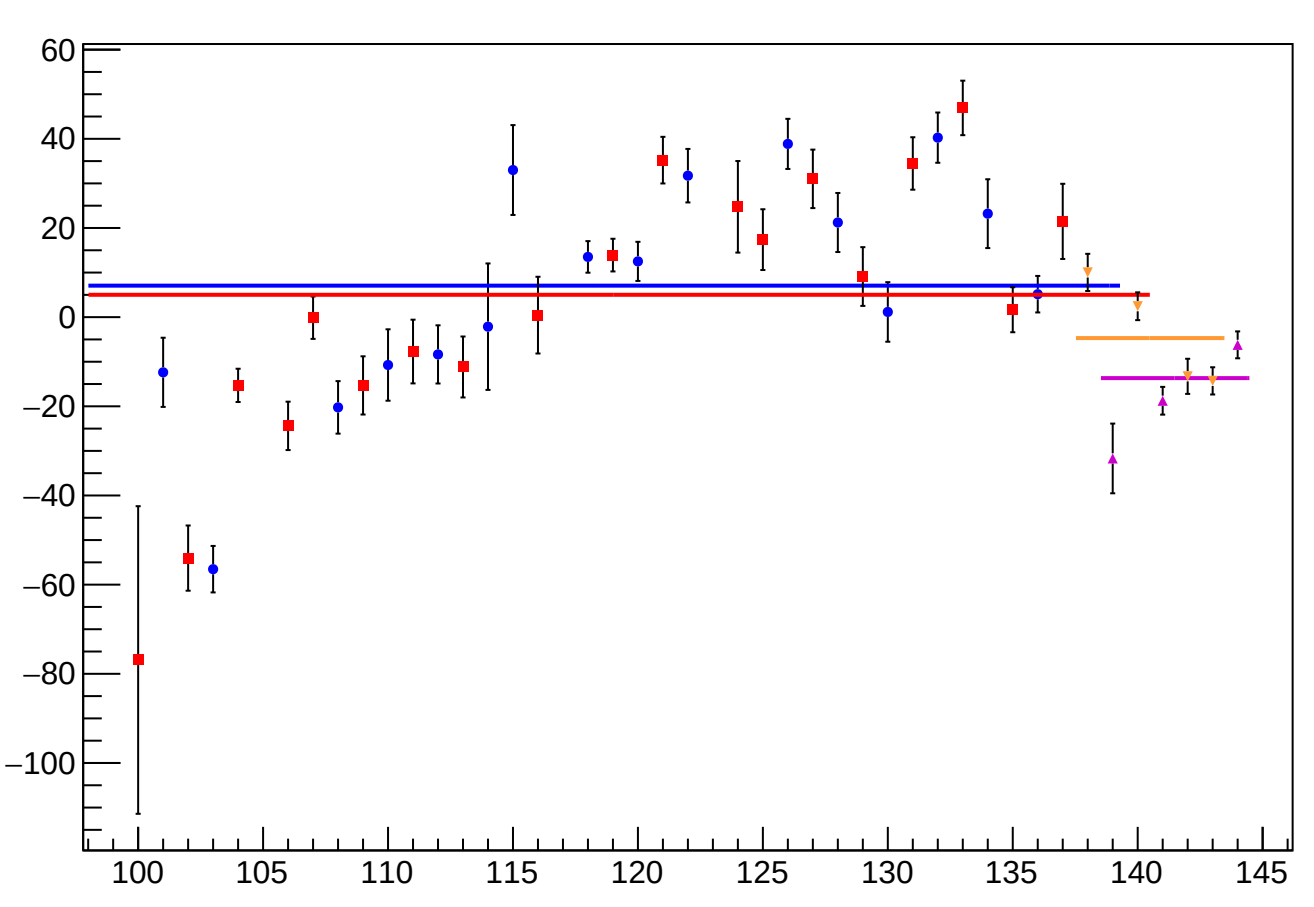
Left: 180.326+/-1.624 χ^2/NDF: 215.6/6

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 194.387+/-1.218 χ^2/NDF:1087.7/18

Out: 178.331+/-1.130 χ^2/NDF:1329.9/22

All: 185.756+/-0.829 χ^2/NDF: 2510.9/41



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -4.695+/-1.735 χ^2/NDF:32.4/3

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -13.674+/-2.088 χ^2/NDF:14.1/2

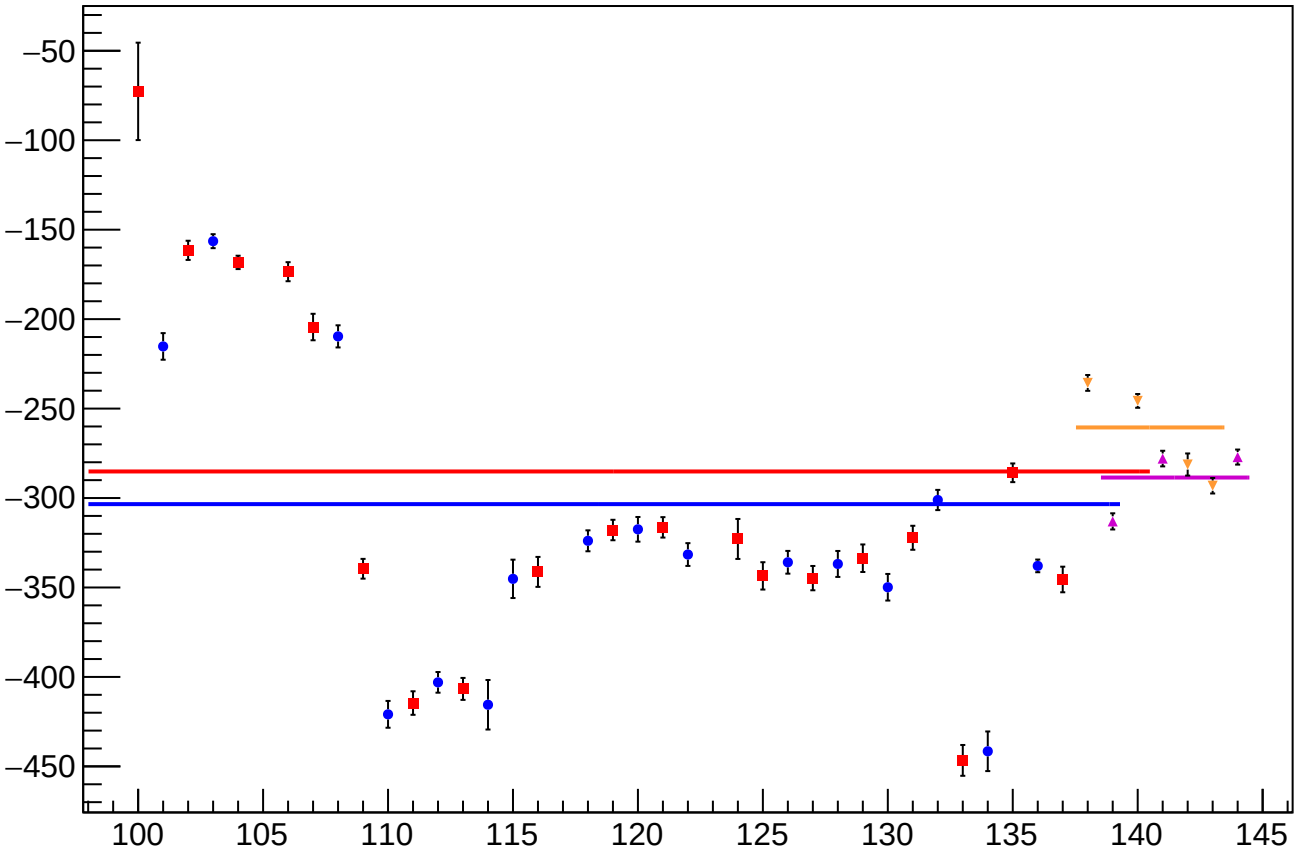
Left: -8.363+/-1.334 χ^2/NDF: 57.4/6

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 0.363+/-1.187 χ^2/NDF:373.4/18

Out: 1.337+/-1.068 χ^2/NDF:340.3/22

All: 0.902+/-0.794 χ^2/NDF: 714.2/41



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -260.541+/-2.249 χ^2/NDF:114.0/3

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -288.544+/-2.517 χ^2/NDF:42.7/2

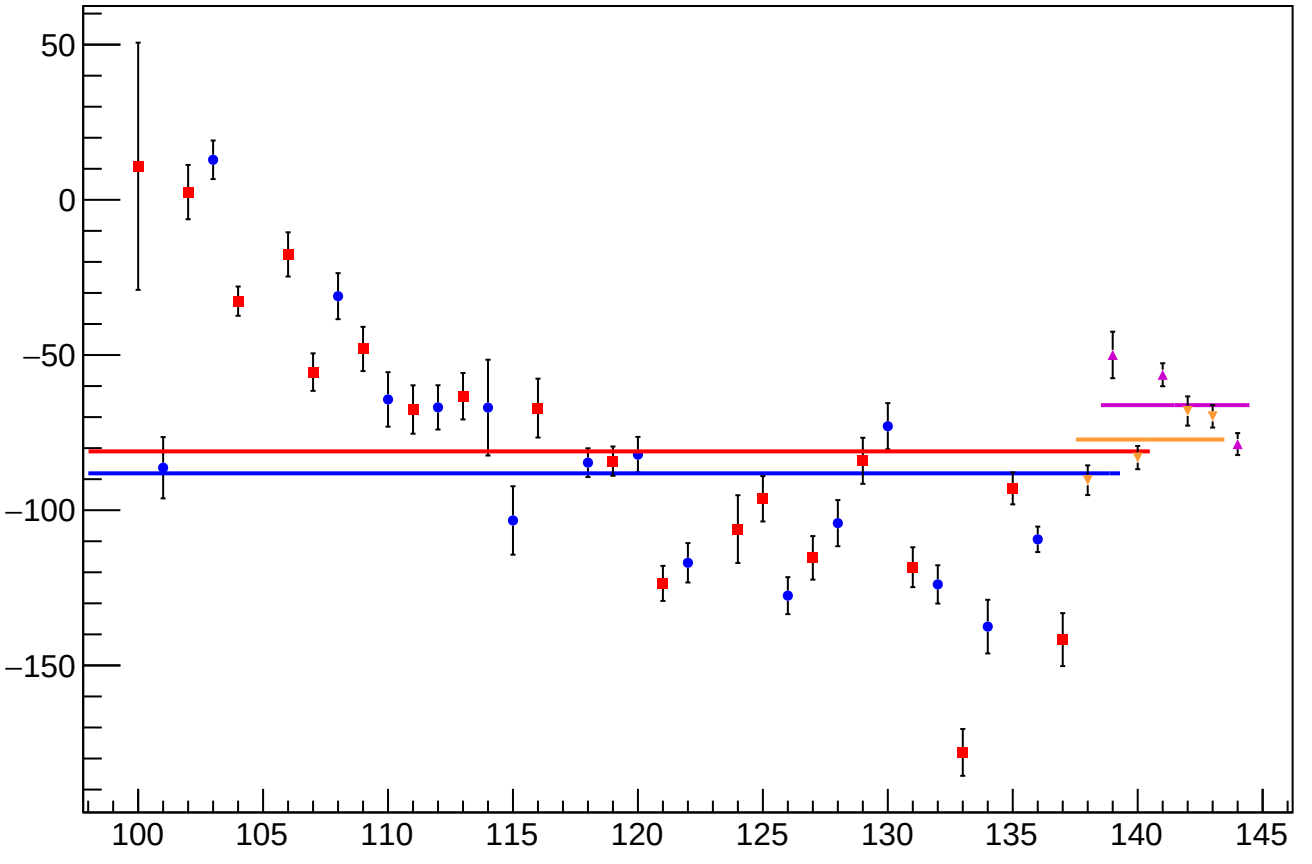
Left: -272.977+/-1.677 χ^2/NDF: 225.6/6

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -299.397+/-1.307 χ^2/NDF:2853.7/18

Out: -277.918+/-1.219 χ^2/NDF:3953.4/22

All: -287.909+/-0.892 χ^2/NDF: 6951.4/41



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -77.227+/-2.056 χ^2/NDF:18.0/3

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -66.150+/-2.421 χ^2/NDF:24.2/2

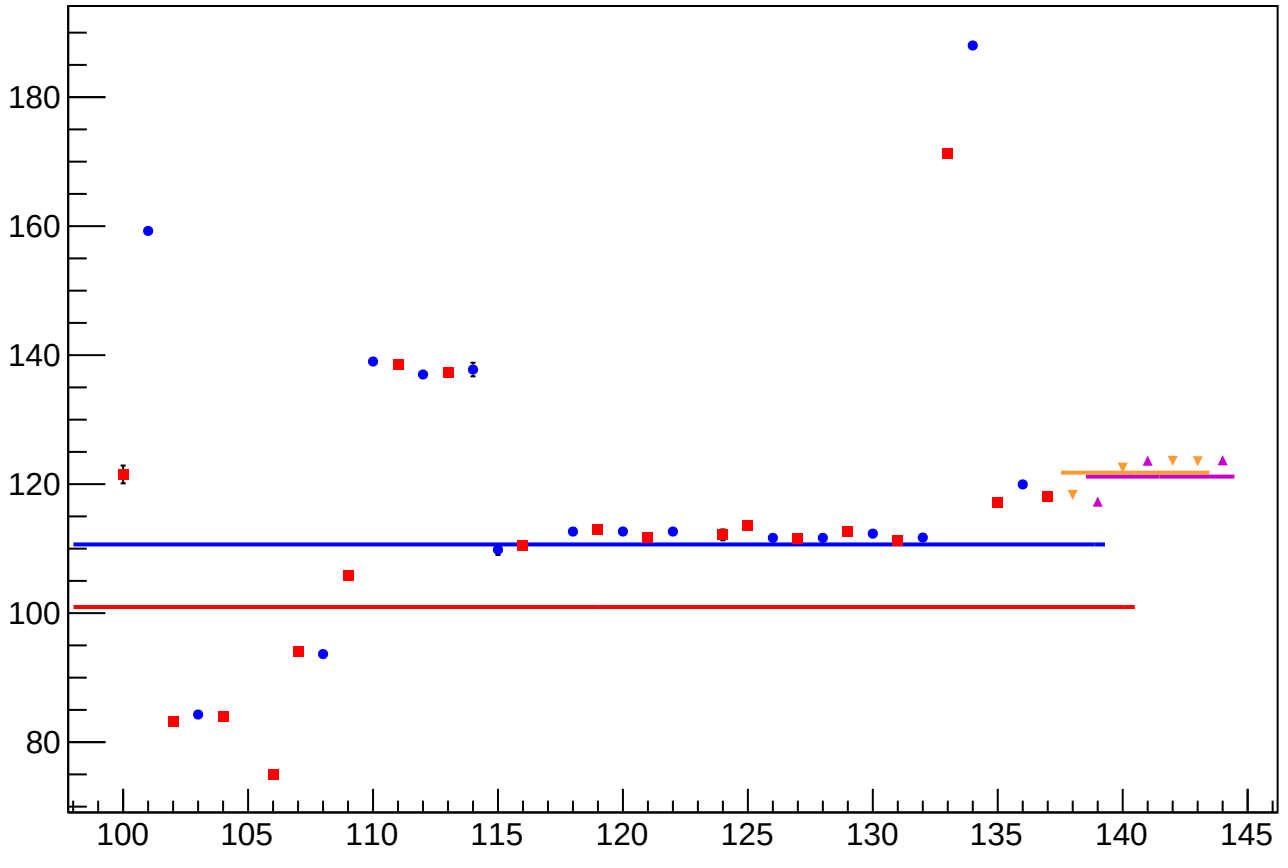
Left: -72.586+/-1.567 χ^2/NDF: 54.4/6

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -81.122+/-1.366 χ^2/NDF:592.3/18

Out: -79.640+/-1.247 χ^2/NDF:697.7/22

All: -80.314+/-0.921 χ^2/NDF: 1290.6/41



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 121.774+/-0.095 χ^2/NDF:545.2/3

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 121.169+/-0.101 χ^2/NDF:950.9/2

Left: 121.492+/-0.069 χ^2/NDF: 1515.2/6

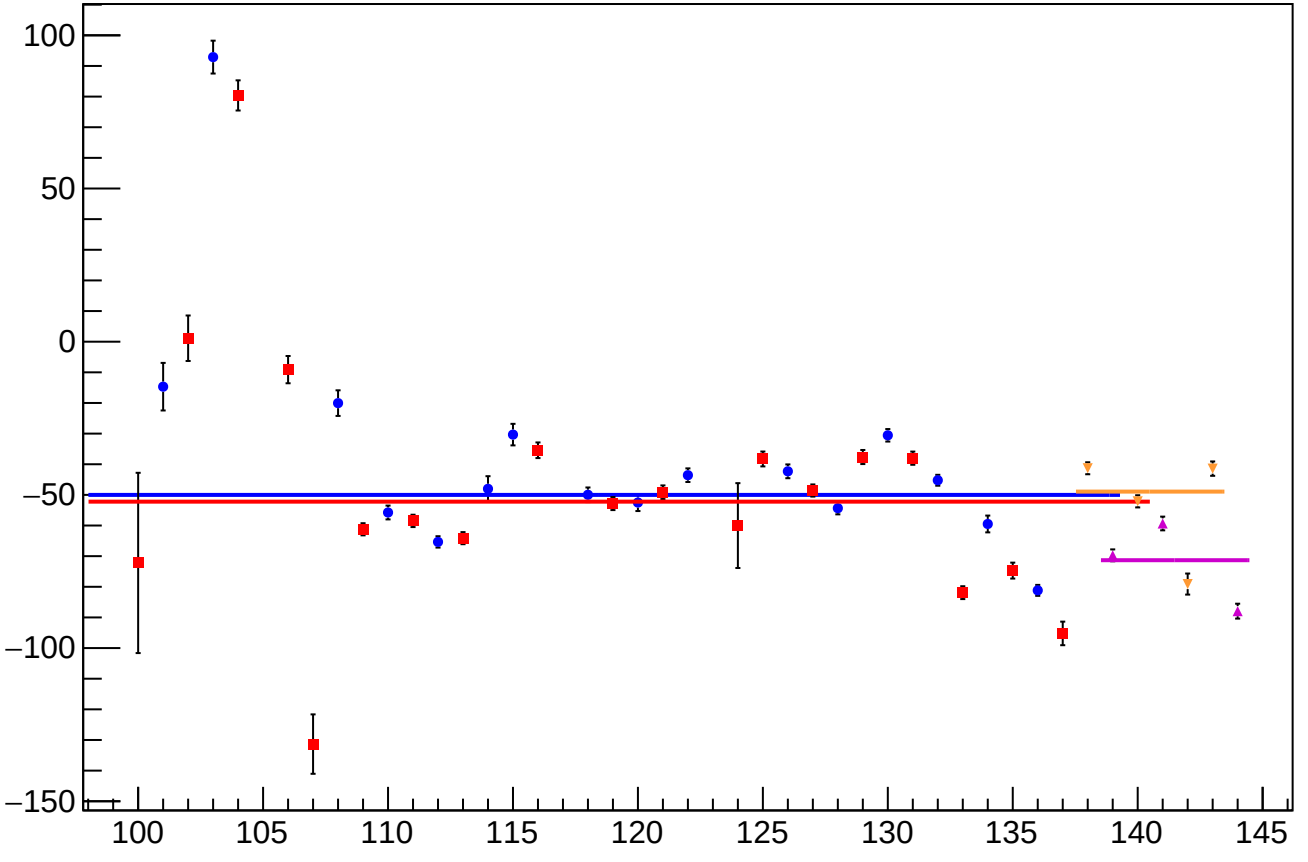
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.057+/-0.065 χ^2/NDF:90764.5/18

Out: 109.750+/-0.062 χ^2/NDF:90501.6/22

All: 112.241+/-0.045 χ^2/NDF: 184757.6/41

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -48.928+/-1.132 χ^2/NDF:105.0/3

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -71.322+/-1.256 χ^2/NDF:76.0/2

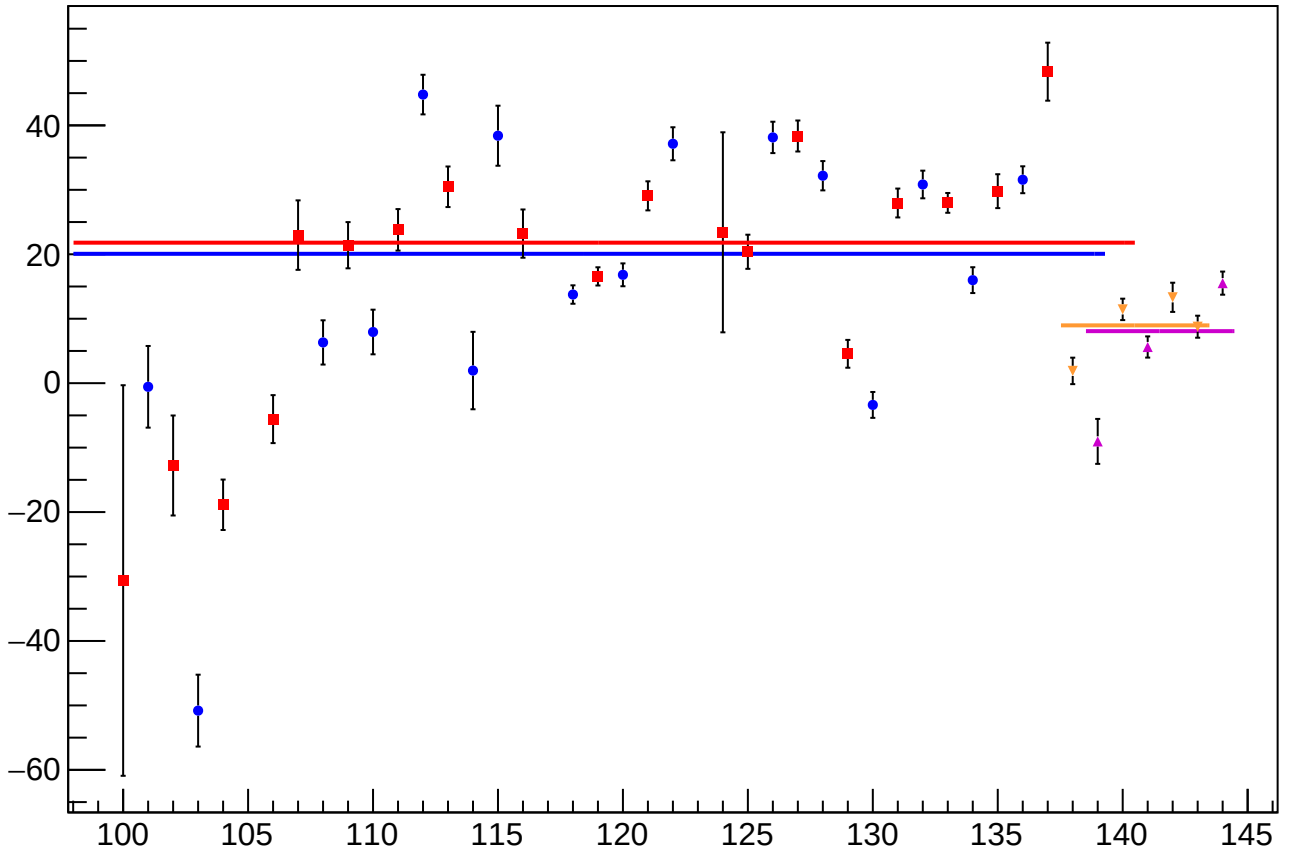
Left: -58.961+/-0.841 χ^2/NDF: 356.5/6

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -54.075+/-0.549 χ^2/NDF:1636.4/18

Out: -51.478+/-0.534 χ^2/NDF:1681.9/22

All: -52.740+/-0.383 χ^2/NDF: 3329.8/41



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.969+/-0.938 χ^2/NDF:17.8/3

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.073+/-1.145 χ^2/NDF:43.5/2

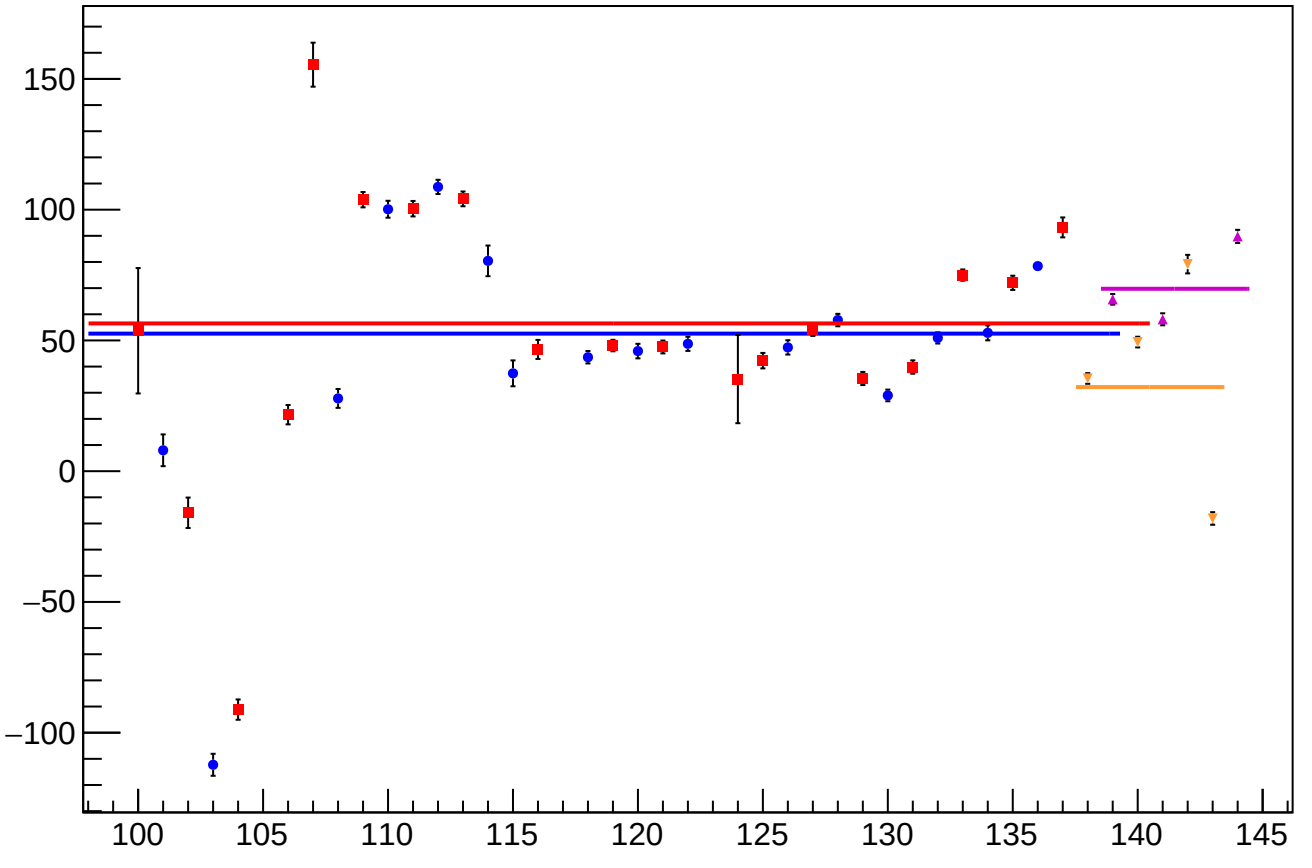
Left: 8.609+/-0.726 χ^2/NDF: 61.7/6

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 17.407+/-0.540 χ^2/NDF:765.2/18

Out: 17.881+/-0.518 χ^2/NDF:544.1/22

All: 17.653+/-0.374 χ^2/NDF: 1309.6/41



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.162+/-1.170 χ^2/NDF:683.6/3

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 69.753+/-1.299 χ^2/NDF:93.8/2

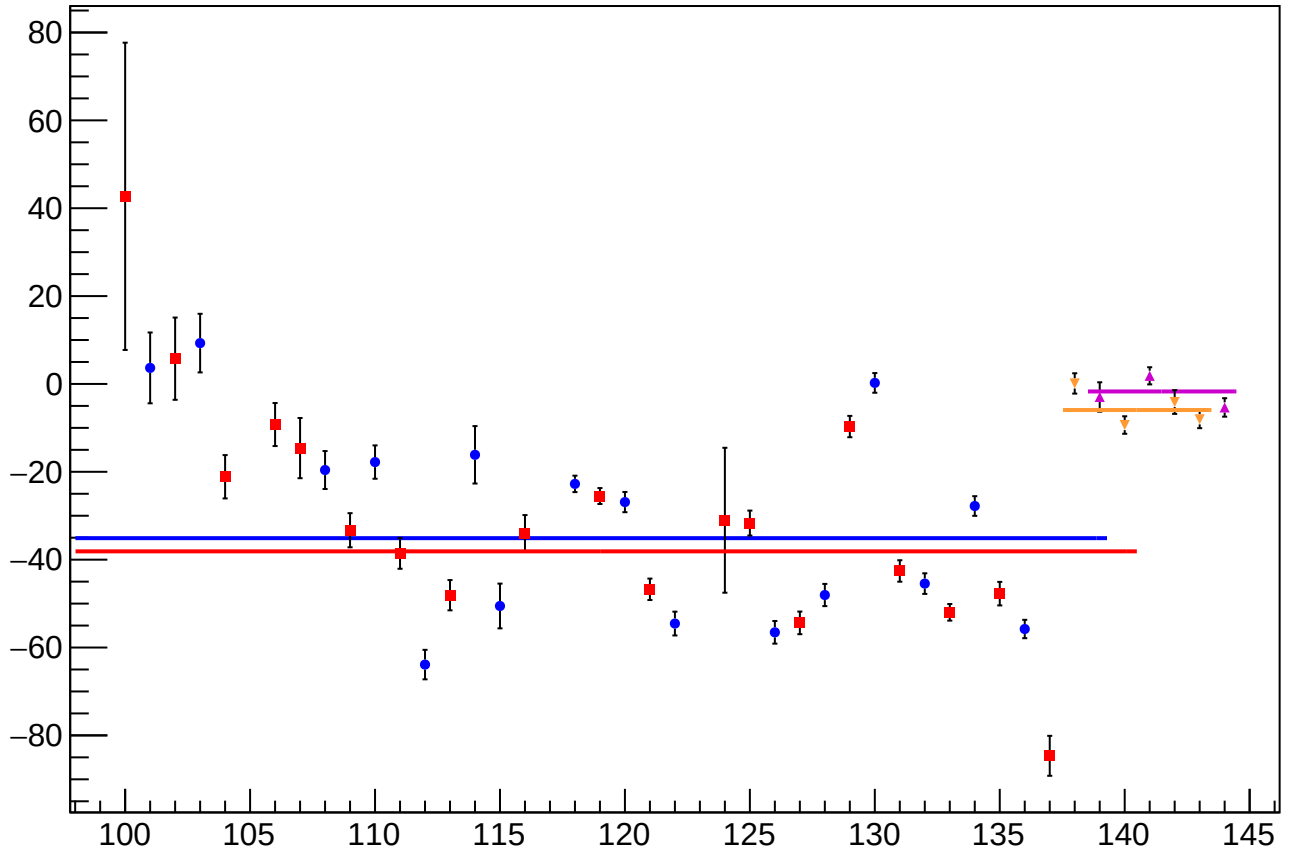
Left: 49.005+/-0.869 χ^2/NDF: 1239.9/6

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 56.435+/-0.614 χ^2/NDF:2888.7/18

Out: 50.011+/-0.604 χ^2/NDF:3966.4/22

All: 53.172+/-0.431 χ^2/NDF: 6910.7/41



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -5.940+/-1.103 χ^2/NDF:11.3/3

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -1.711+/-1.315 χ^2/NDF:6.5/2

Left: -4.195+/-0.845 χ^2/NDF: 23.9/6

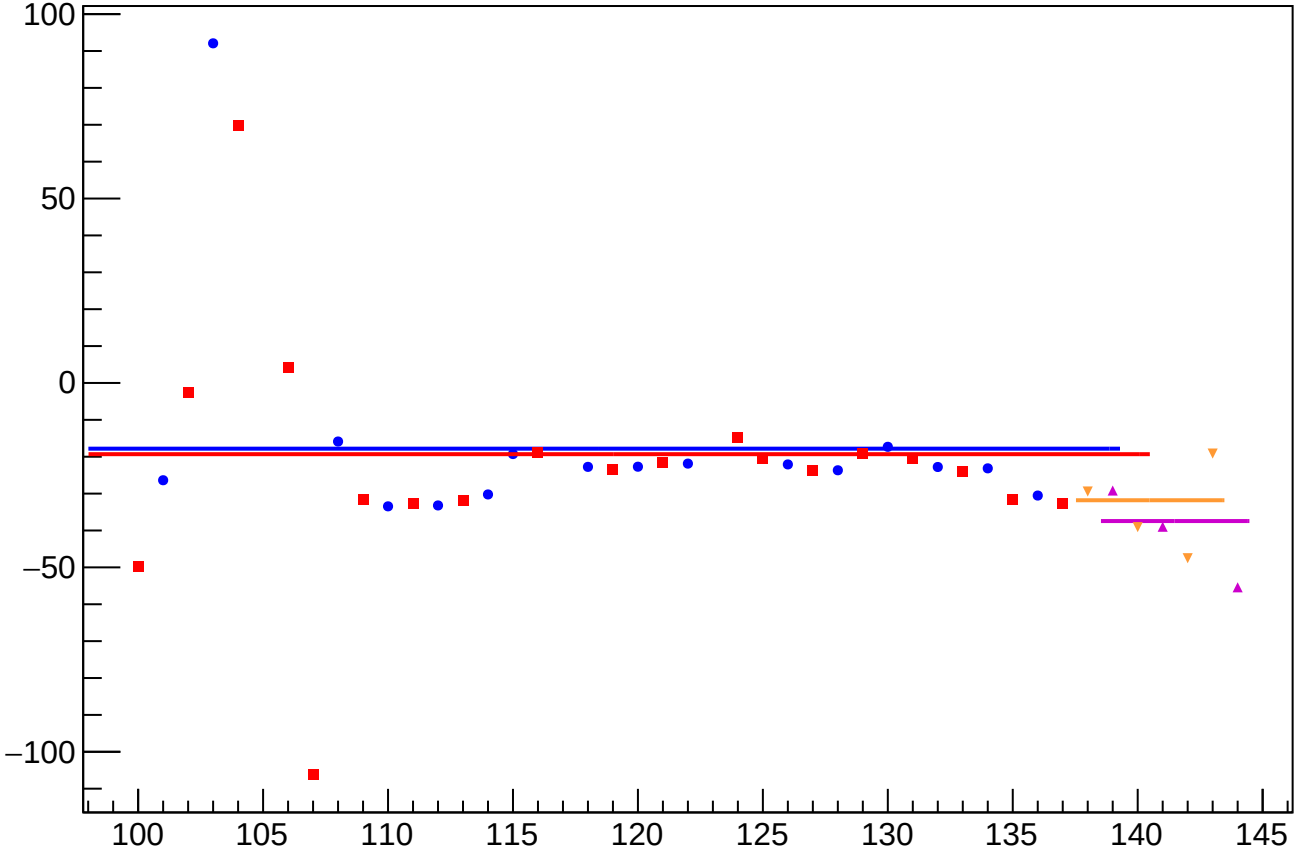
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -27.732+/-0.618 χ^2/NDF:1281.9/18

Out: -28.606+/-0.599 χ^2/NDF:1125.8/22

All: -28.183+/-0.430 χ^2/NDF: 2408.7/41

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.802+/-0.049 χ^2/NDF:35048.6/3

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -37.442+/-0.051 χ^2/NDF:39048.3/2

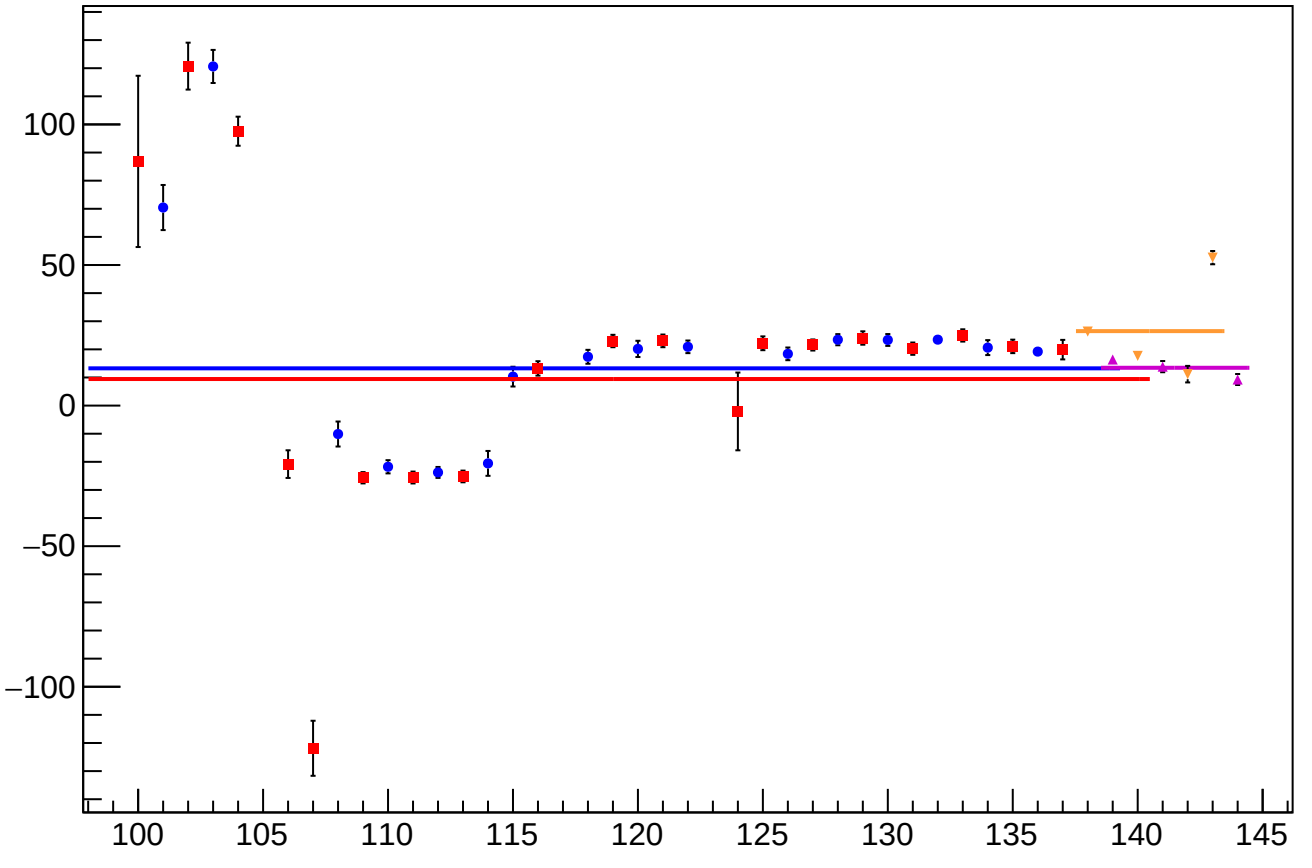
Left: -34.493+/-0.035 χ^2/NDF: 80517.0/6

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -26.041+/-0.033 χ^2/NDF:551506.1/18

Out: -25.222+/-0.033 χ^2/NDF:414438.5/22

All: -25.638+/-0.023 χ^2/NDF: 966248.5/41



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 26.487+/-1.034 χ^2/NDF:175.2/3

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 13.449+/-1.084 χ^2/NDF:7.5/2

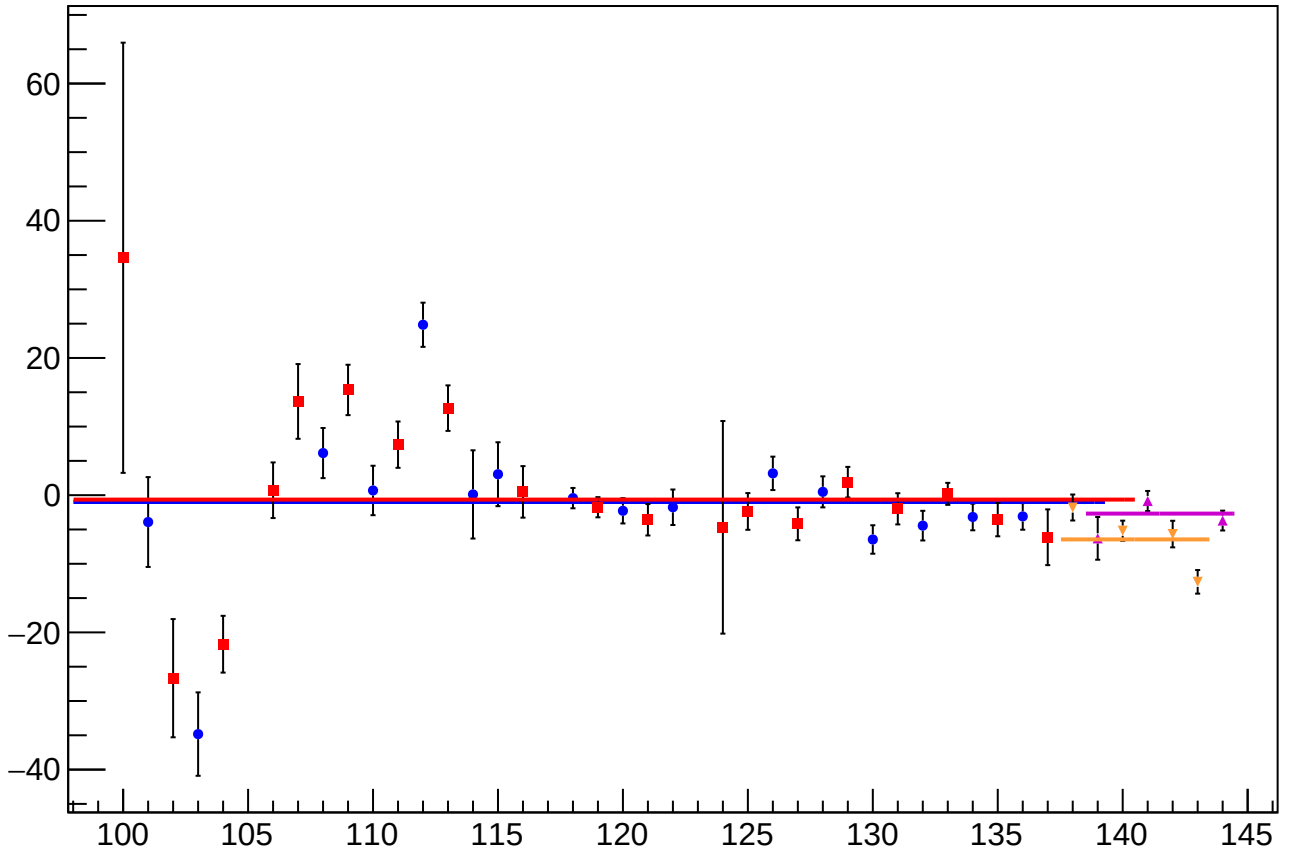
Left: 20.275+/-0.748 χ^2/NDF: 258.4/6

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.299+/-0.535 χ^2/NDF:1190.0/18

Out: 13.902+/-0.529 χ^2/NDF:2212.3/22

All: 13.604+/-0.376 χ^2/NDF: 3403.0/41



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -6.447+/-0.861 χ^2/NDF:19.9/3

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -2.687+/-0.977 χ^2/NDF:3.4/2

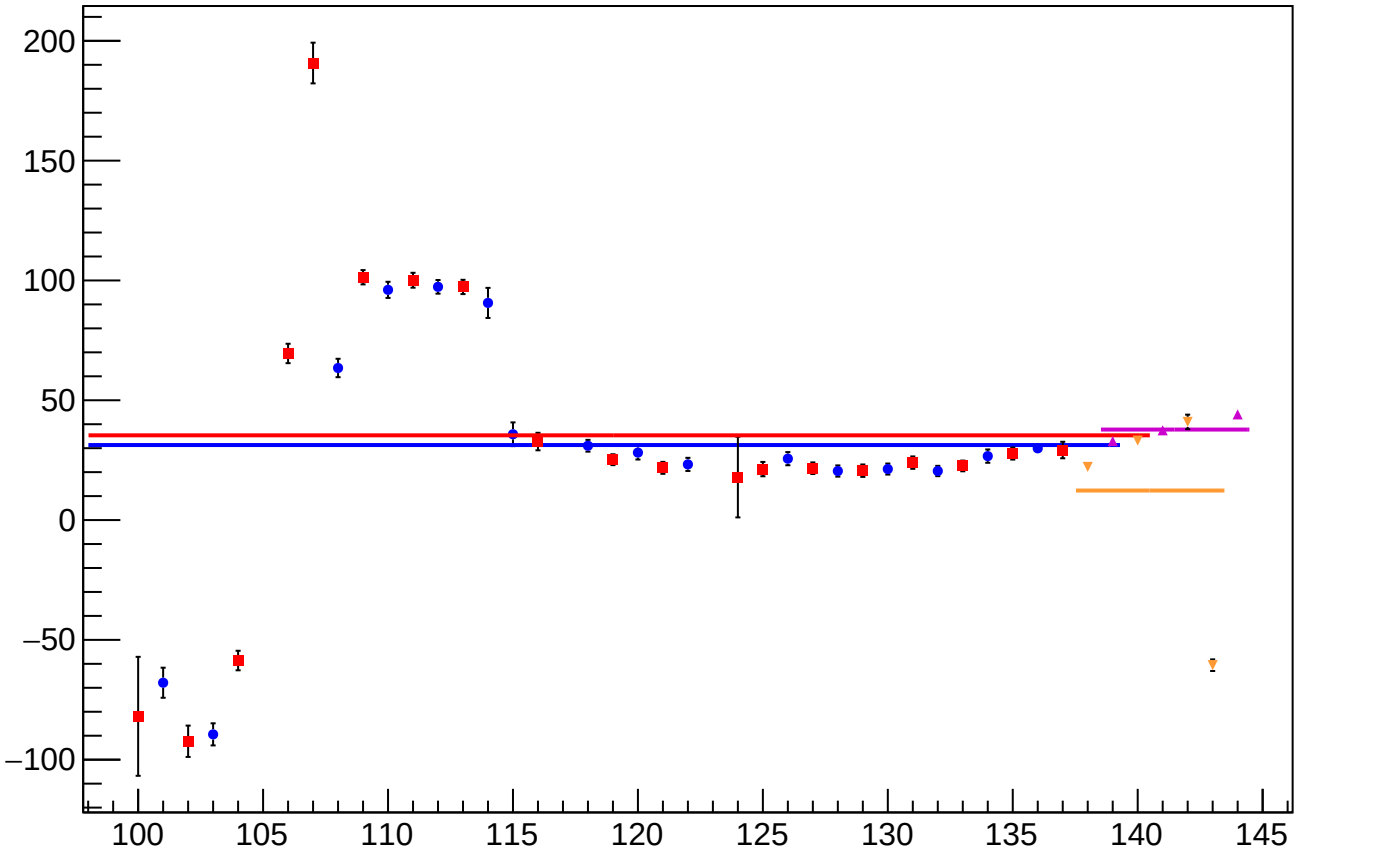
Left: -4.803+/-0.646 χ^2/NDF: 31.6/6

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.479+/-0.523 χ^2/NDF:121.9/18

Out: -2.691+/-0.511 χ^2/NDF:143.5/22

All: -2.098+/-0.366 χ^2/NDF: 268.1/41



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 12.326+/-1.069 χ^2/NDF:1153.4/3

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.772+/-1.120 χ^2/NDF:17.2/2

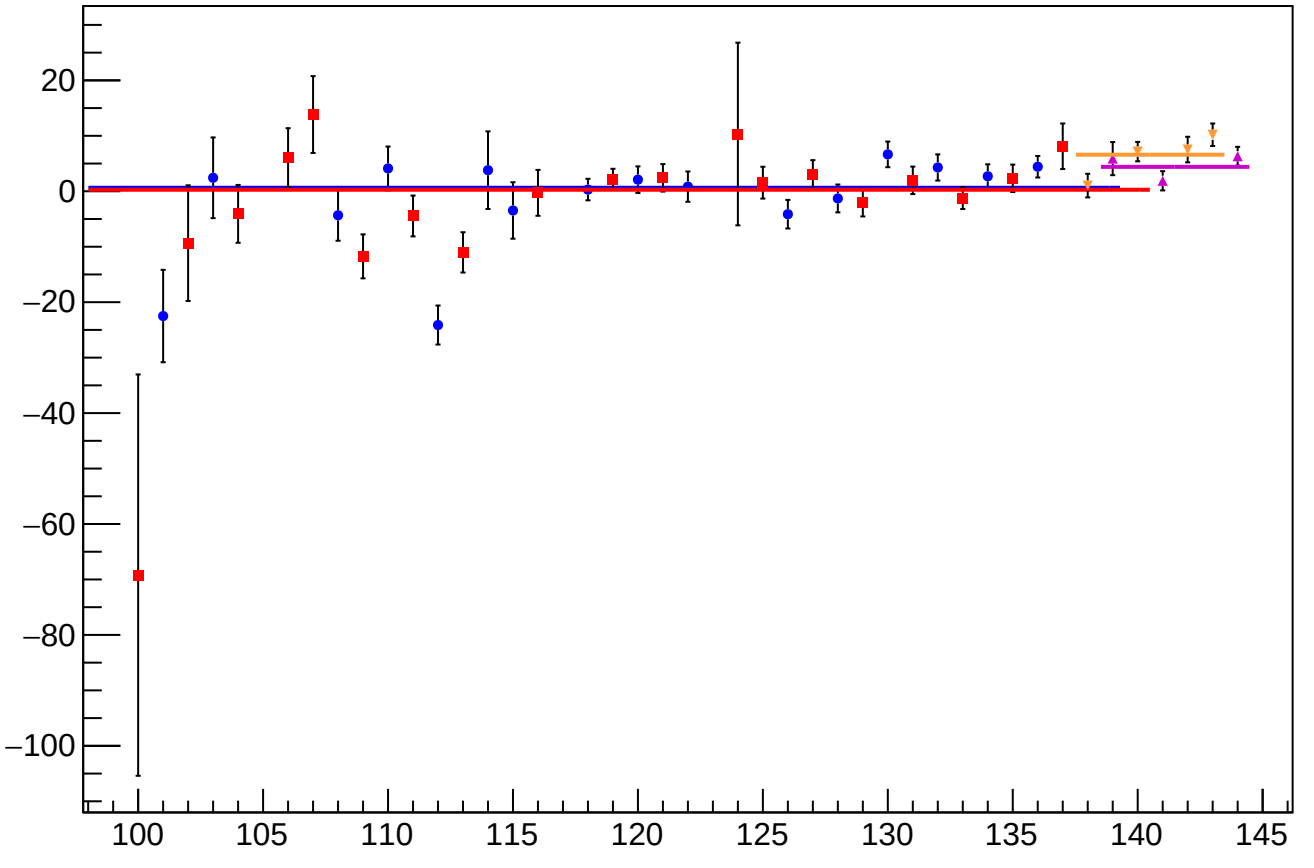
Left: 24.459+/-0.773 χ^2/NDF: 1440.6/6

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.125+/-0.594 χ^2/NDF:2127.0/18

Out: 28.218+/-0.596 χ^2/NDF:4371.3/22

All: 30.679+/-0.420 χ^2/NDF: 6532.3/41



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 6.593+/-1.012 χ^2/NDF:10.3/3

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 4.404+/-1.123 χ^2/NDF:3.6/2

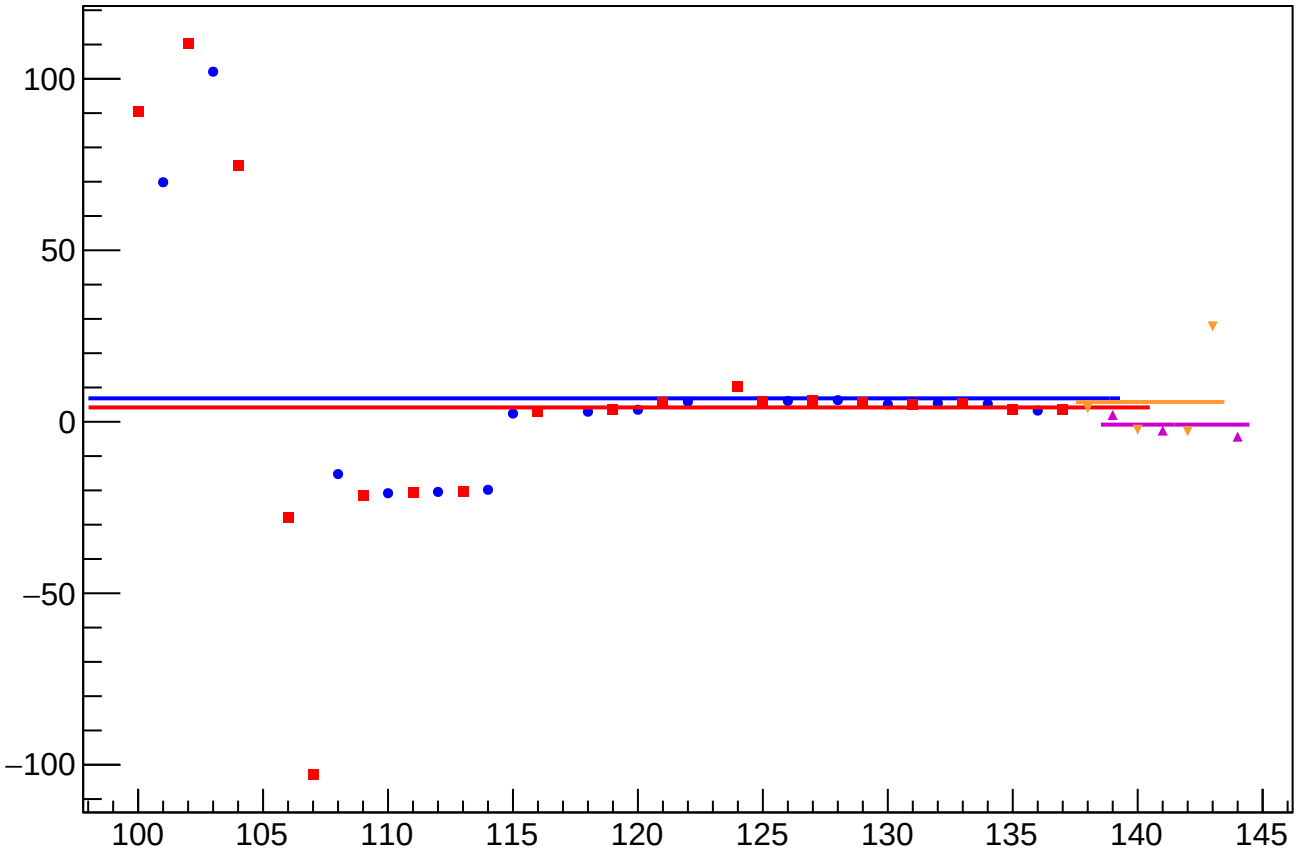
Left: 5.612+/-0.751 χ^2/NDF: 16.0/6

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.698+/-0.597 χ^2/NDF:90.2/18

Out: 2.423+/-0.590 χ^2/NDF:76.5/22

All: 2.065+/-0.420 χ^2/NDF: 167.4/41



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 5.773+/-0.044 χ^2/NDF:63557.5/3

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.823+/-0.044 χ^2/NDF:3883.1/2

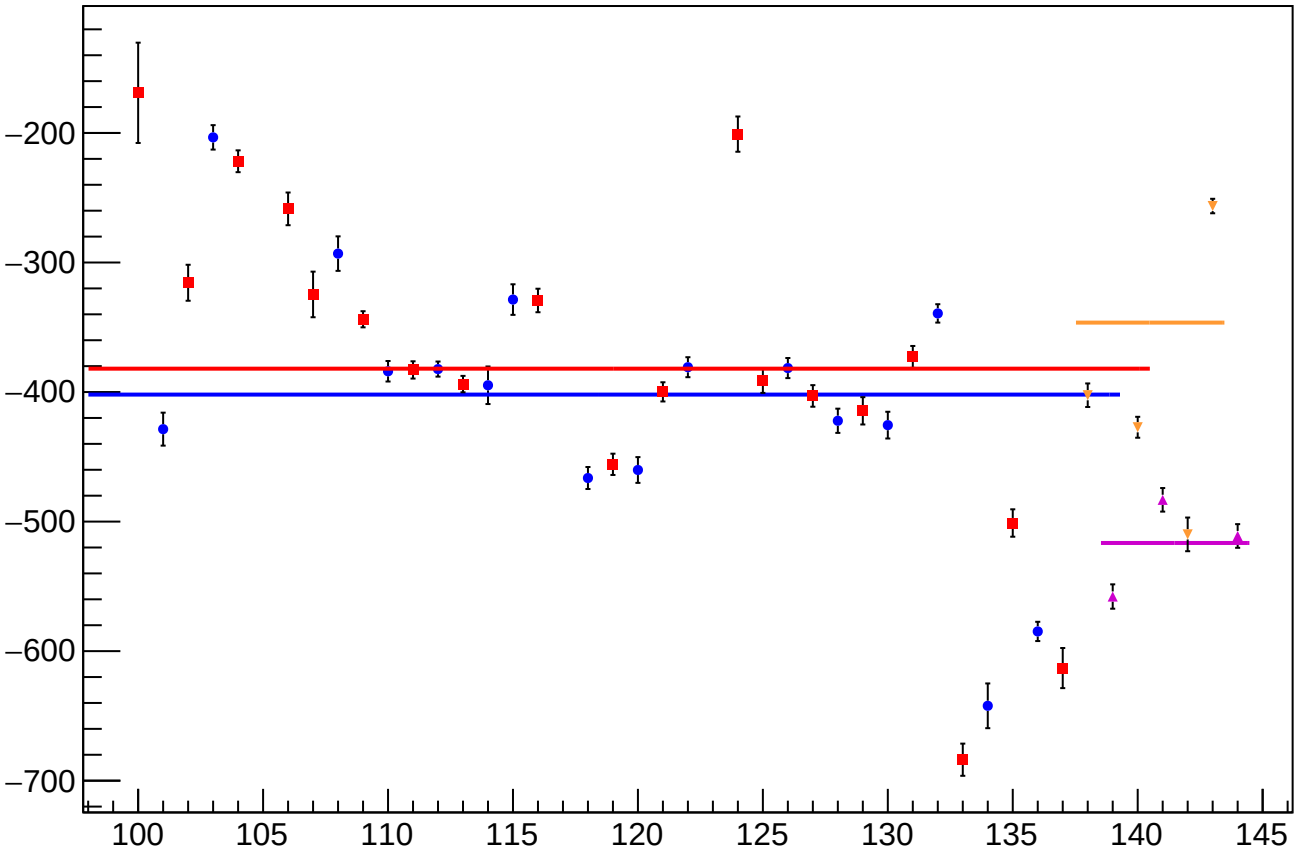
Left: 2.463+/-0.031 χ^2/NDF: 78520.4/6

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 3.129+/-0.031 χ^2/NDF:340315.9/18

Out: 5.015+/-0.032 χ^2/NDF:498713.2/22

All: 4.034+/-0.022 χ^2/NDF: 840830.8/41



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -346.389+/-3.911 χ^2/NDF:555.7/3

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -516.506+/-5.317 χ^2/NDF:33.1/2

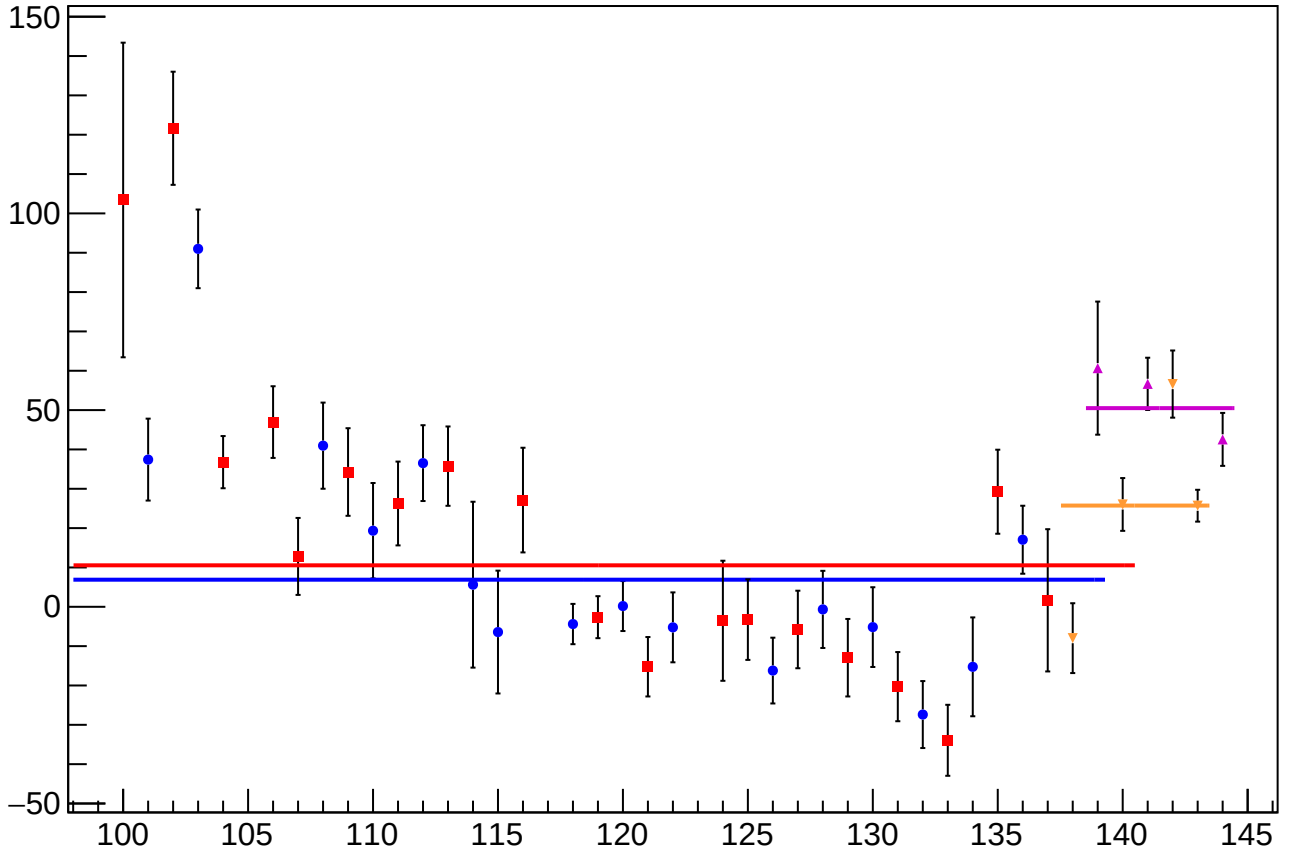
Left: -406.122+/-3.150 χ^2/NDF: 1253.1/6

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -419.176+/-2.061 χ^2/NDF:1990.8/18

Out: -373.848+/-1.867 χ^2/NDF:2436.9/22

All: -394.274+/-1.384 χ^2/NDF: 4693.4/41



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 25.734+/-3.019 χ^2/NDF:27.5/3

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 50.500+/-4.554 χ^2/NDF:2.6/2

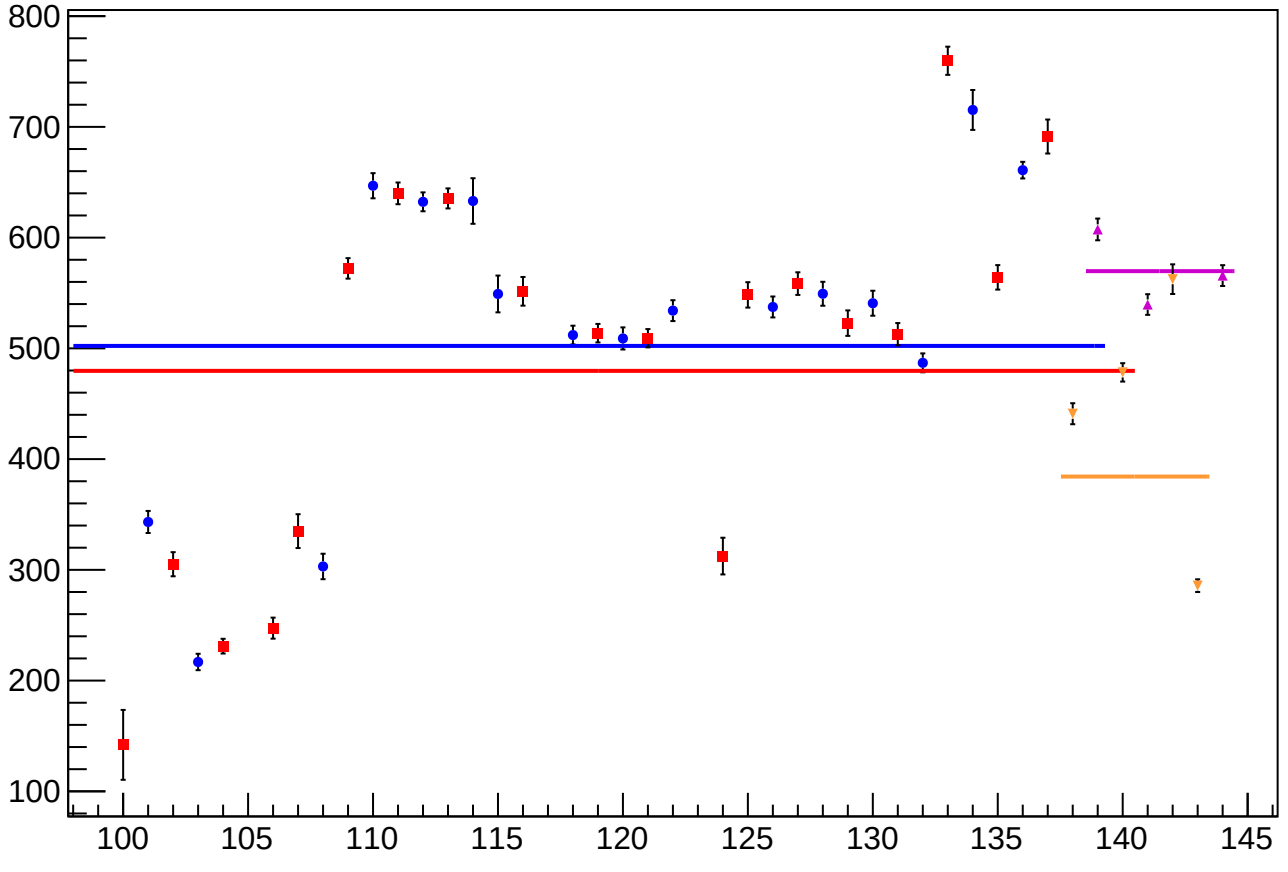
Left: 33.296+/-2.516 χ^2/NDF: 50.7/6

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 15.534+/-2.027 χ^2/NDF:214.6/18

Out: 15.803+/-1.776 χ^2/NDF:224.1/22

All: 15.686+/-1.336 χ^2/NDF: 438.7/41



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 384.239+/-4.033 χ^2/NDF:635.0/3

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 569.734+/-5.489 χ^2/NDF:25.4/2

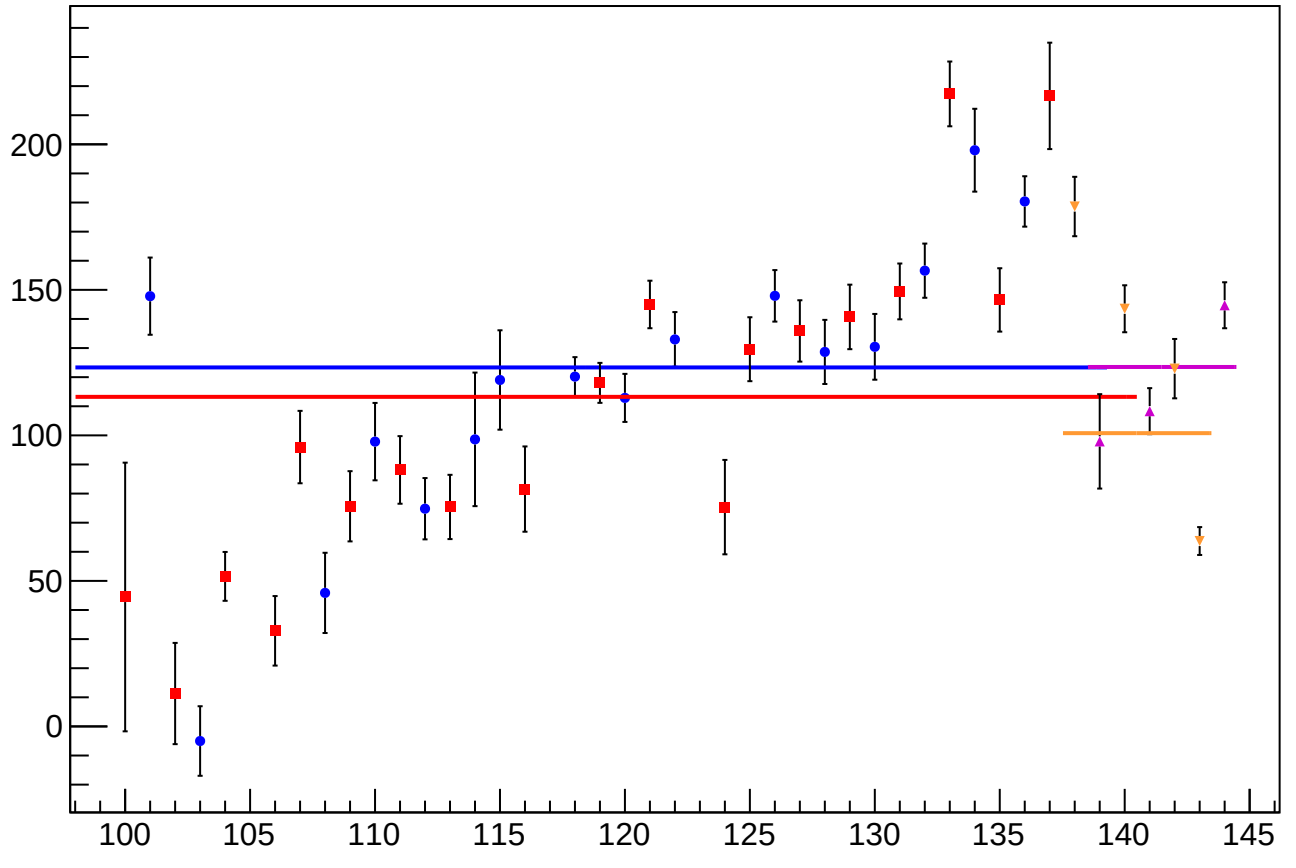
Left: 449.273+/-3.250 χ^2/NDF: 1402.0/6

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 513.758+/-2.270 χ^2/NDF:3286.0/18

Out: 454.733+/-2.062 χ^2/NDF:5187.2/22

All: 481.421+/-1.526 χ^2/NDF: 8843.6/41



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 100.762+/-3.576 χ^2/NDF:150.9/3

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 123.501+/-5.285 χ^2/NDF:13.4/2

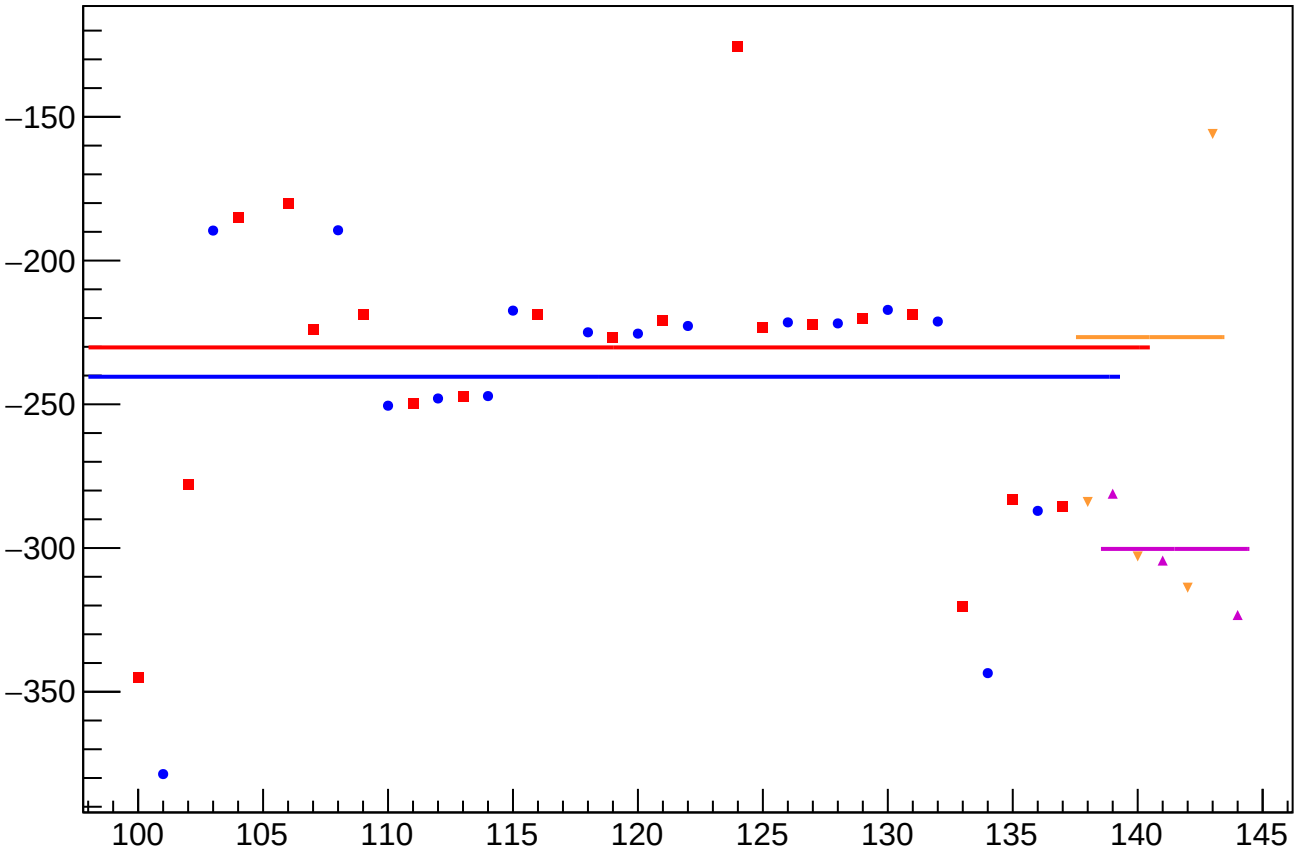
Left: 107.904+/-2.962 χ^2/NDF: 177.0/6

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 123.375+/-2.352 χ^2/NDF:284.7/18

Out: 109.042+/-2.073 χ^2/NDF:504.8/22

All: 115.308+/-1.555 χ^2/NDF: 810.4/41



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -226.629+/-0.169 χ^2/NDF:177158.3/3

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -300.304+/-0.220 χ^2/NDF:6114.4/2

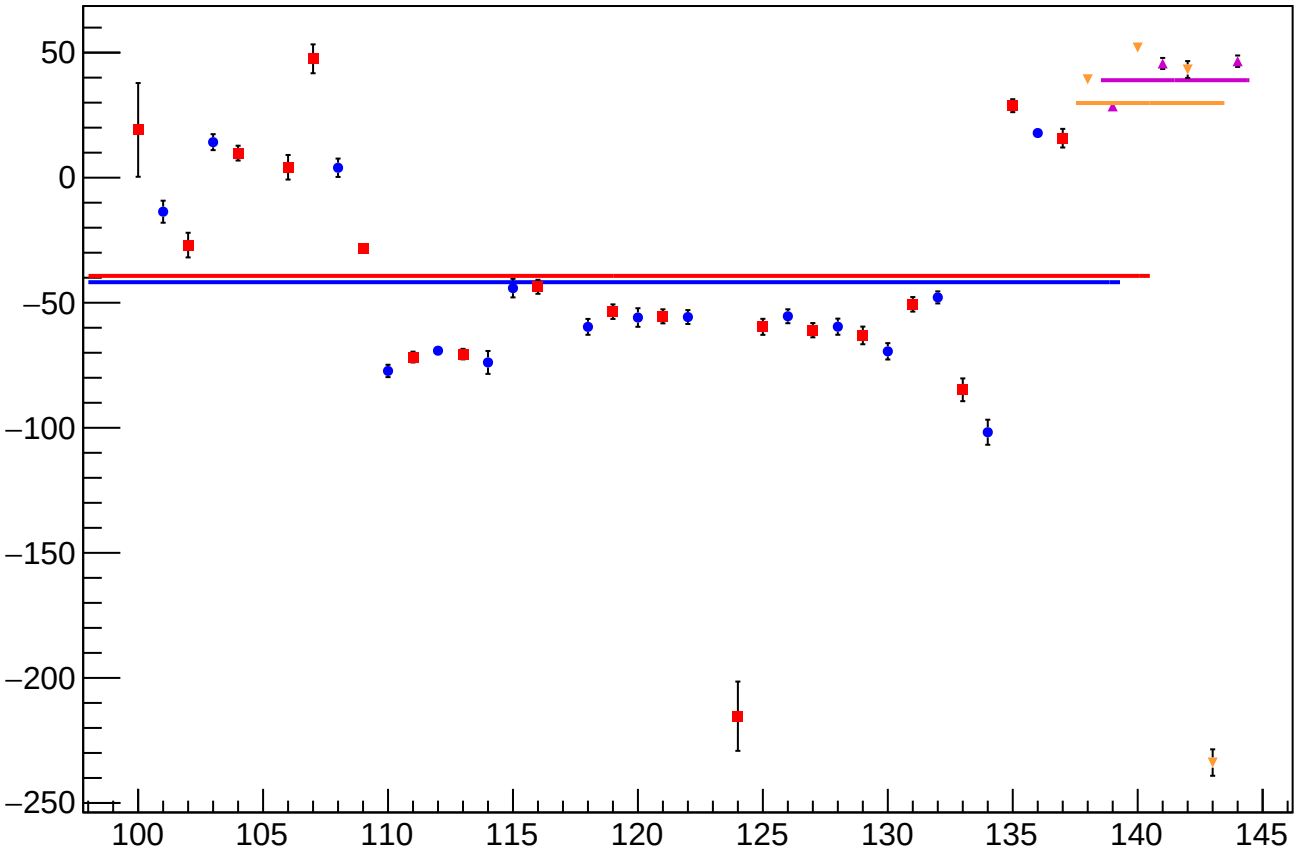
Left: -254.013+/-0.134 χ^2/NDF: 253646.8/6

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -259.508+/-0.124 χ^2/NDF:190685.1/18

Out: -228.675+/-0.111 χ^2/NDF:260845.1/22

All: -242.324+/-0.083 χ^2/NDF: 485818.3/41



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 29.849+/-1.244 χ^2/NDF:2652.1/3

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 38.969+/-1.226 χ^2/NDF:49.6/2

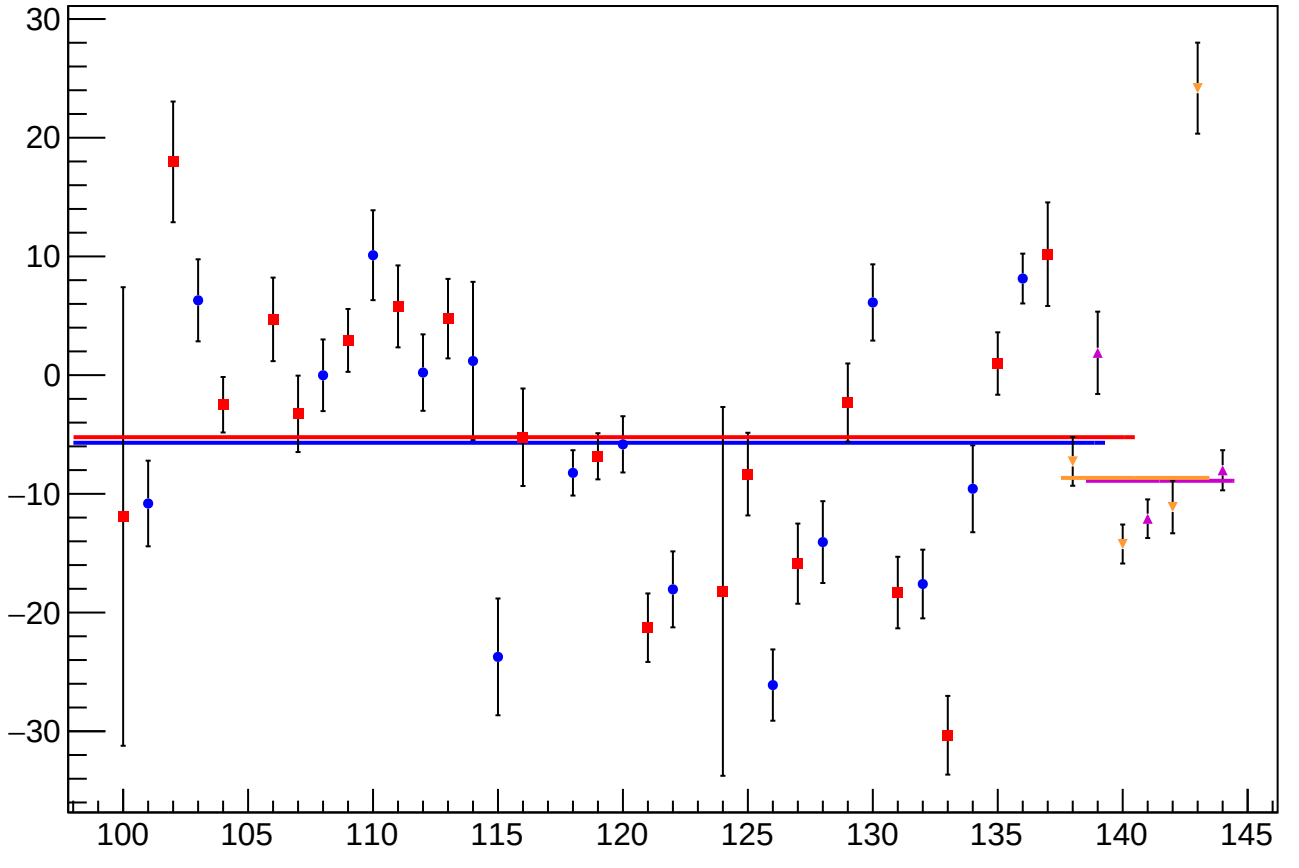
Left: 34.474+/-0.873 χ^2/NDF: 2729.0/6

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -20.946+/-0.623 χ^2/NDF:5673.8/18

Out: -23.371+/-0.596 χ^2/NDF:7508.1/22

All: -22.211+/-0.431 χ^2/NDF: 13189.8/41



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -8.658+/-1.066 χ^2/NDF:86.6/3

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -8.900+/-1.111 χ^2/NDF:13.8/2

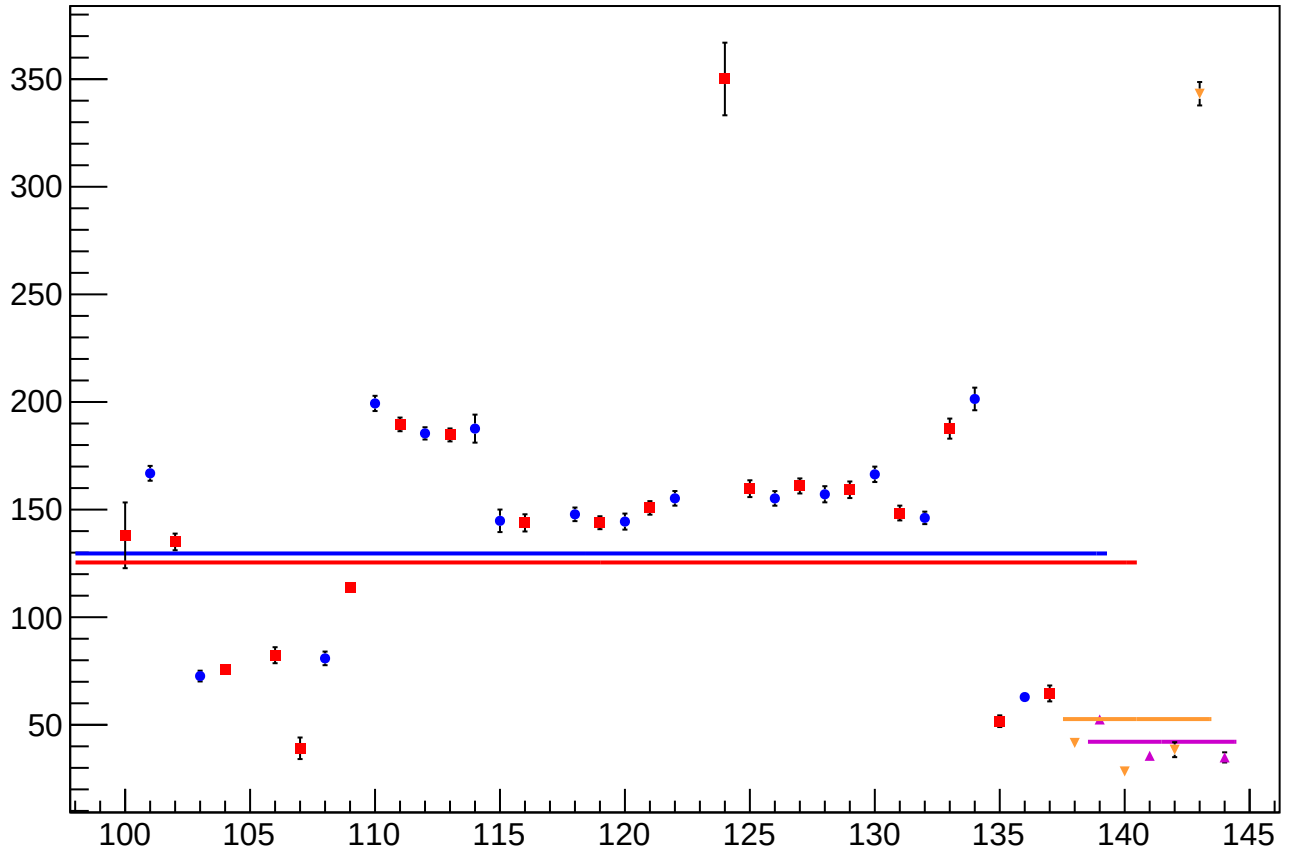
Left: -8.774+/-0.769 χ^2/NDF: 100.4/6

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -6.706+/-0.623 χ^2/NDF:216.2/18

Out: -6.342+/-0.608 χ^2/NDF:290.9/22

All: -6.520+/-0.435 χ^2/NDF: 507.3/41



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 52.669+/-1.287 χ^2/NDF:3045.2/3

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 42.126+/-1.267 χ^2/NDF:44.4/2

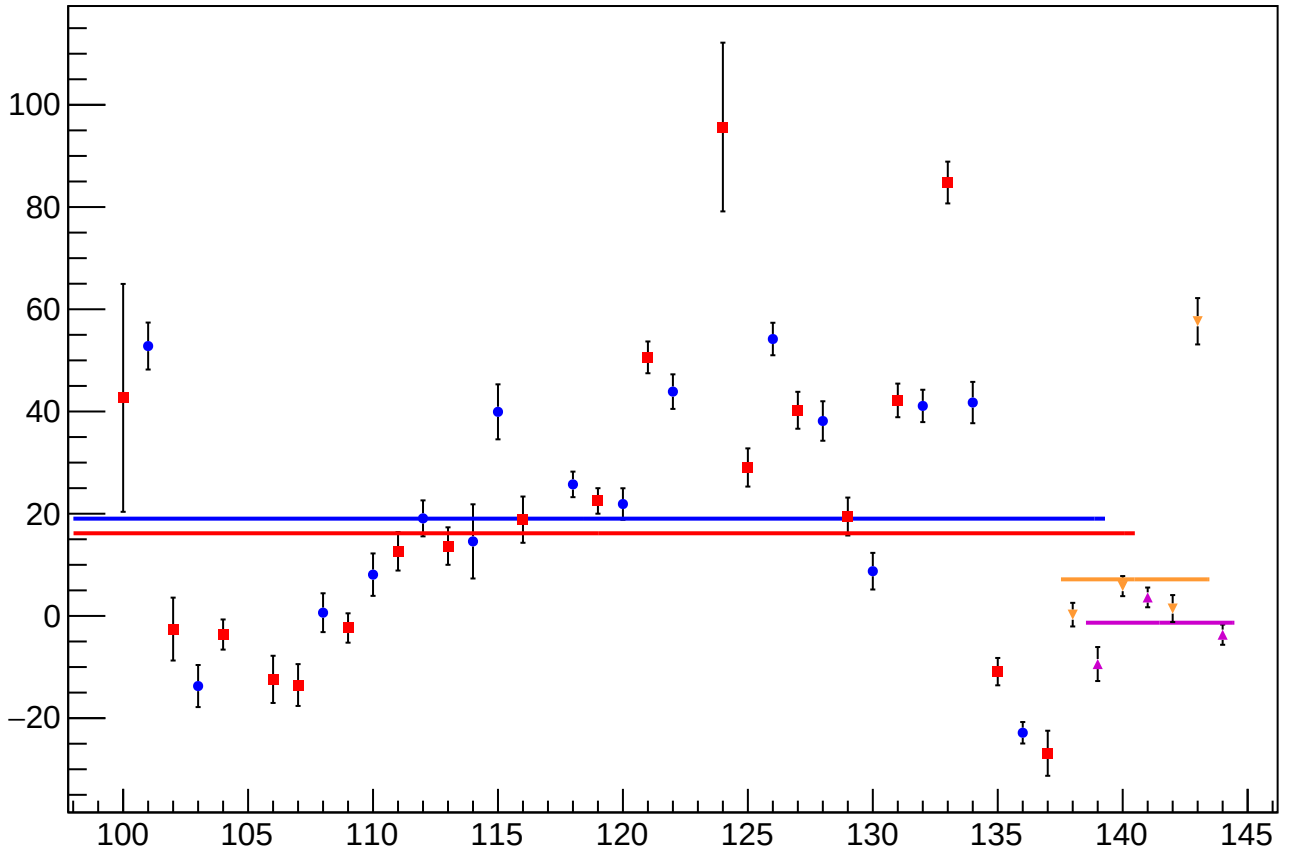
Left: 47.315+/-0.903 χ^2/NDF: 3123.7/6

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 104.661+/-0.677 χ^2/NDF:7075.8/18

Out: 105.537+/-0.673 χ^2/NDF:8869.5/22

All: 105.101+/-0.477 χ^2/NDF: 15946.1/41



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 7.158+/-1.252 χ^2/NDF:138.1/3

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -1.326+/-1.276 χ^2/NDF:13.9/2

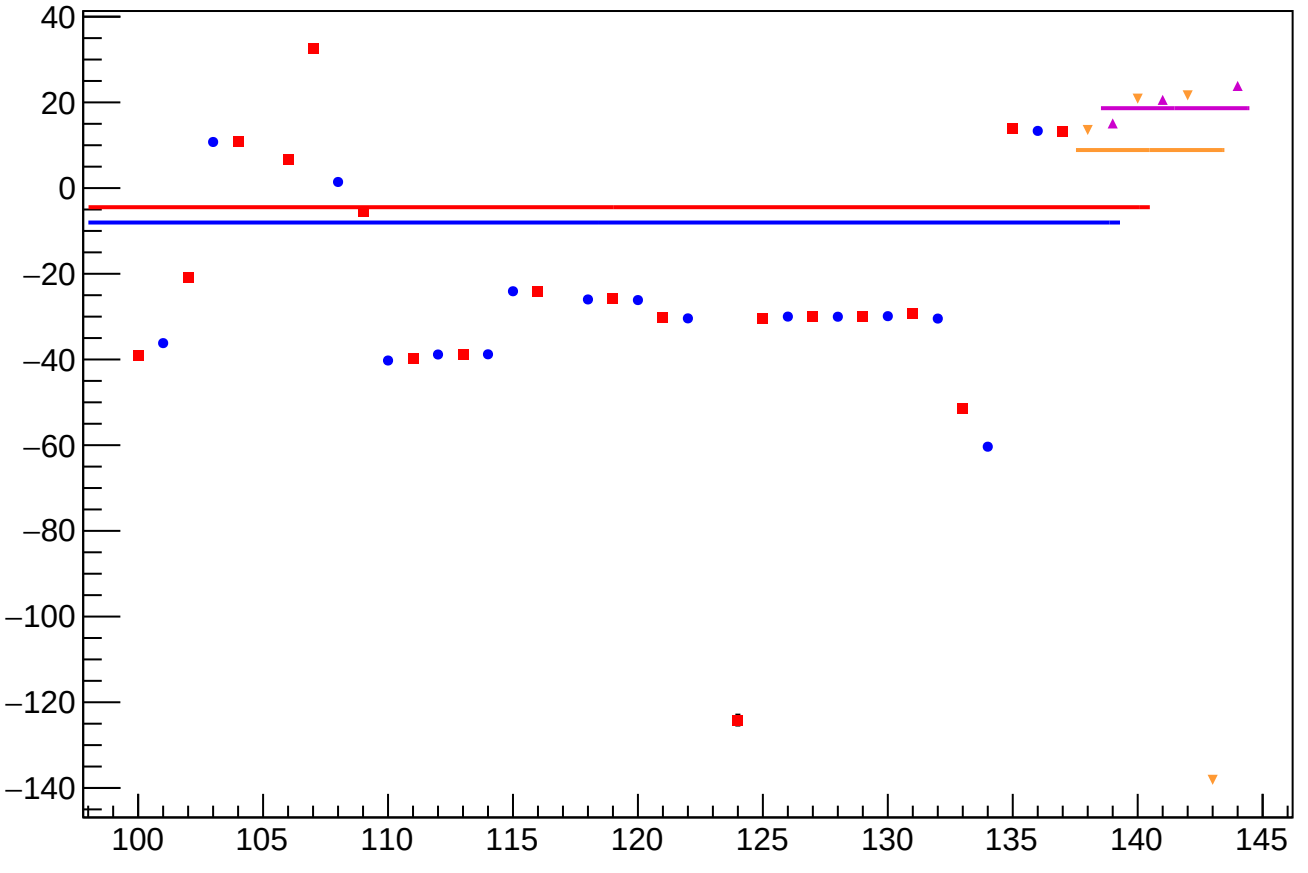
Left: 2.997+/-0.893 χ^2/NDF: 174.5/6

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 12.675+/-0.713 χ^2/NDF:1047.1/18

Out: 13.346+/-0.701 χ^2/NDF:1115.0/22

All: 13.017+/-0.500 χ^2/NDF: 2162.5/41



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.878+/-0.053 χ^2/NDF:450530.8/3

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 18.646+/-0.050 χ^2/NDF:5345.0/2

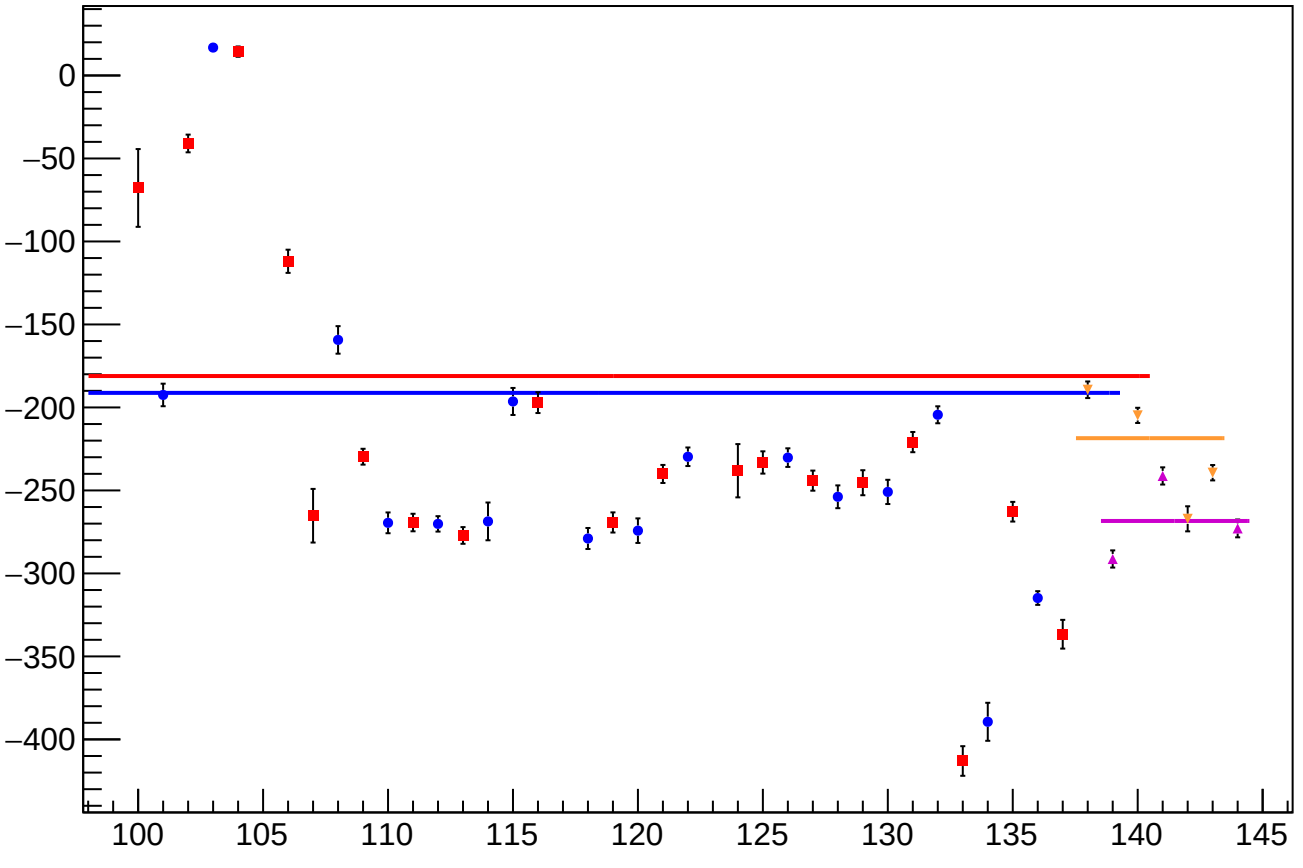
Left: 14.100+/-0.036 χ^2/NDF: 473739.4/6

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 4.183+/-0.034 χ^2/NDF:428495.6/18

Out: 1.329+/-0.035 χ^2/NDF:714217.4/22

All: 2.817+/-0.024 χ^2/NDF: 1146137.8/41



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -218.519+/-2.567 χ^2/NDF:104.5/3

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -268.400+/-3.027 χ^2/NDF:47.6/2

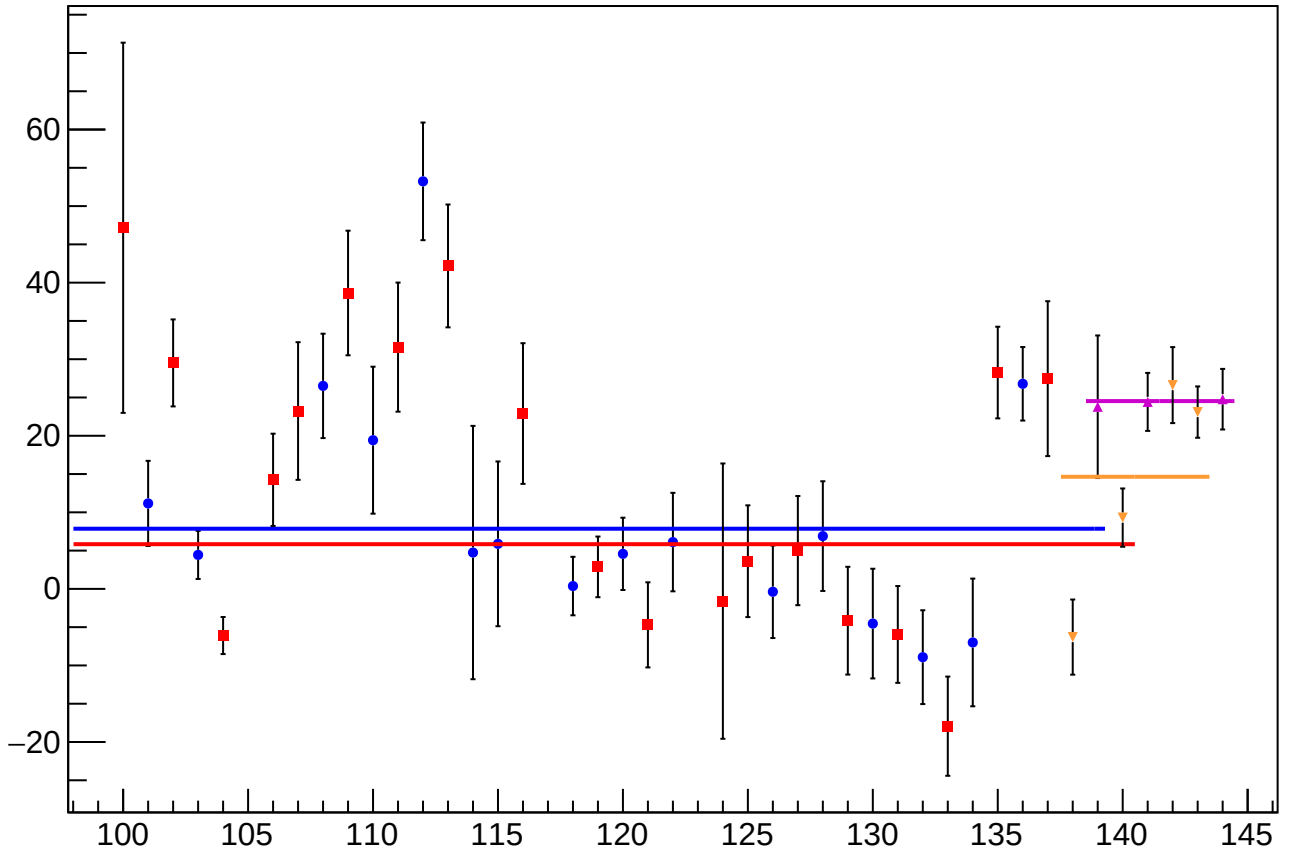
Left: -239.390+/-1.958 χ^2/NDF: 310.2/6

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -205.125+/-1.284 χ^2/NDF:7805.4/18

Out: -189.497+/-1.217 χ^2/NDF:7643.4/22

All: -196.891+/-0.884 χ^2/NDF: 15526.8/41



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 14.645+/-2.041 χ^2/NDF:32.3/3

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 24.529+/-2.625 χ^2/NDF:0.0/2

Left: 18.369+/-1.611 χ^2/NDF: 41.2/6

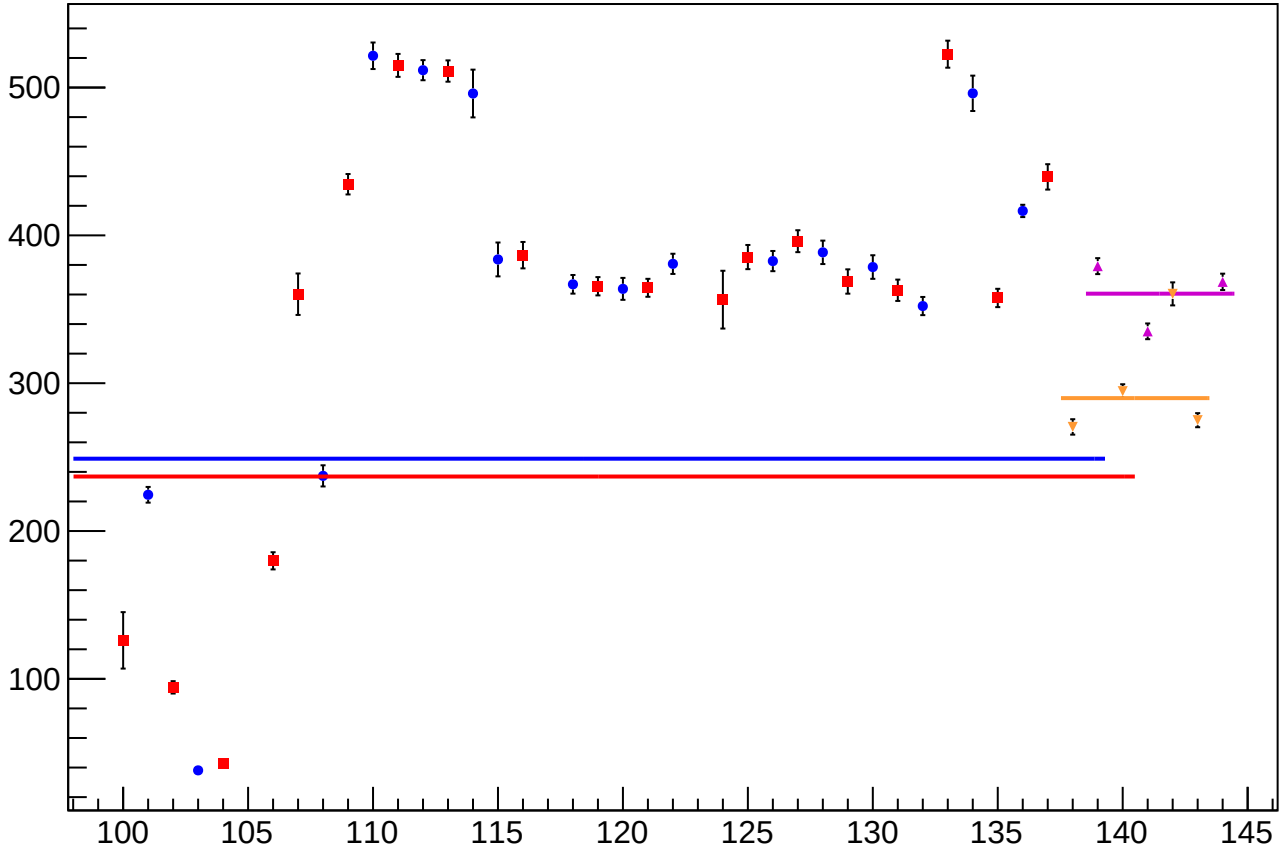
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 11.706+/-1.261 χ^2/NDF:111.9/18

Out: 8.534+/-1.129 χ^2/NDF:187.1/22

All: 9.946+/-0.841 χ^2/NDF: 302.6/41

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: 289.903+/-2.651 χ^2/NDF:106.7/3

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 360.561+/-3.126 χ^2/NDF:36.9/2

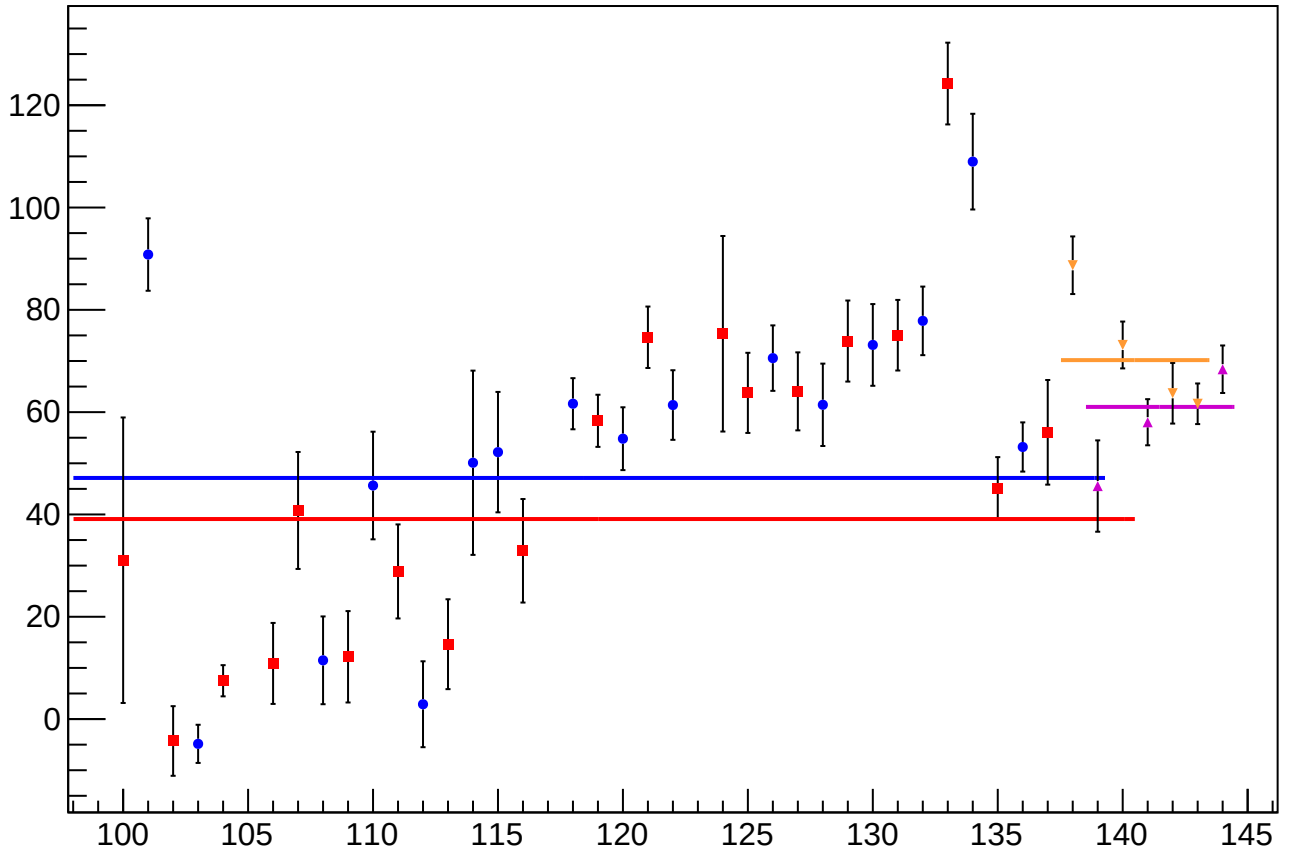
Left: 319.460+/-2.022 χ^2/NDF: 440.9/6

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 268.069+/-1.294 χ^2/NDF:16396.1/18

Out: 248.526+/-1.243 χ^2/NDF:16076.4/22

All: 257.900+/-0.896 χ^2/NDF: 32591.1/41



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 70.171+/-2.417 χ^2/NDF:17.1/3

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 61.025+/-3.042 χ^2/NDF:6.0/2

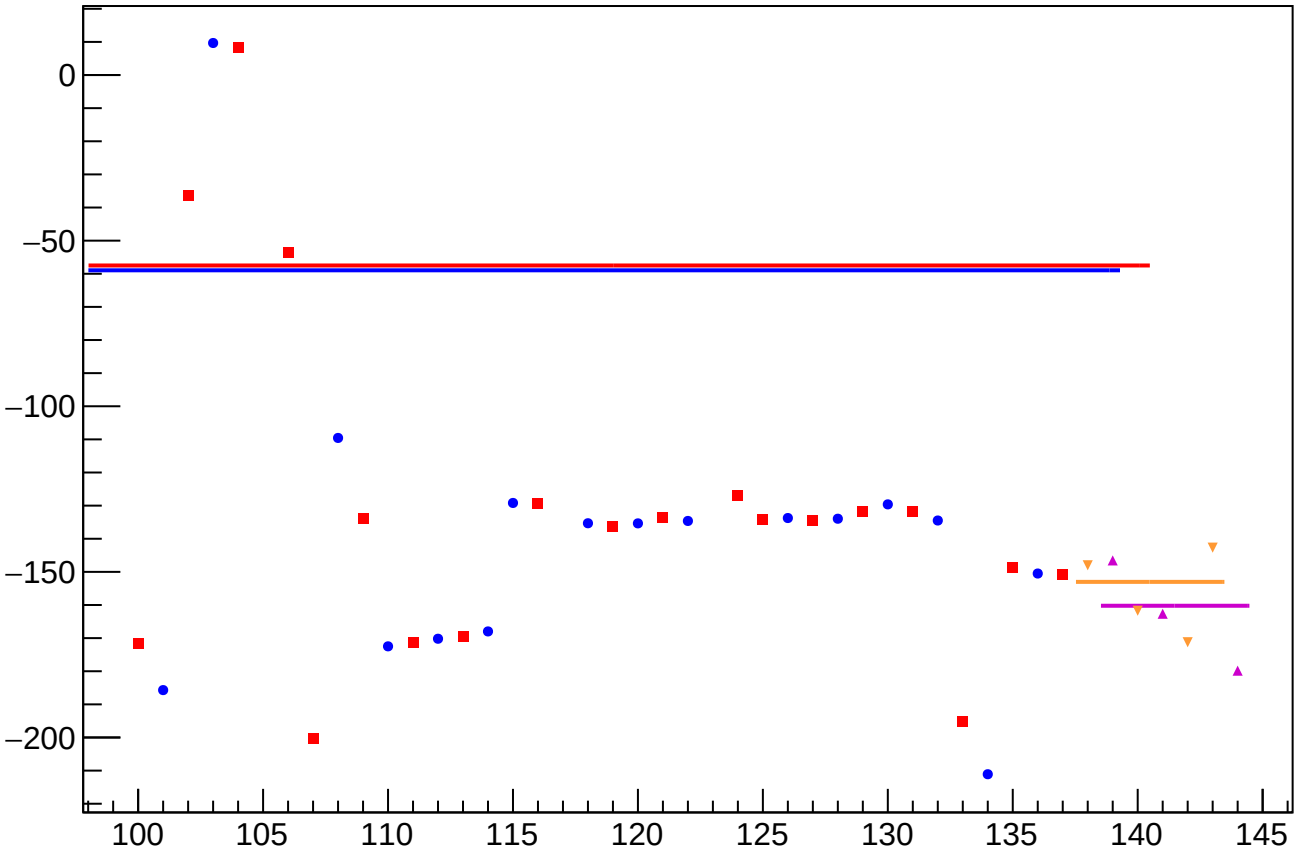
Left: 66.630+/-1.892 χ^2/NDF: 28.6/6

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 50.347+/-1.462 χ^2/NDF:407.3/18

Out: 48.535+/-1.332 χ^2/NDF:548.6/22

All: 49.357+/-0.985 χ^2/NDF: 956.7/41



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -153.017+/-0.111 χ^2/NDF:8244.4/3

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -160.228+/-0.125 χ^2/NDF:11441.9/2

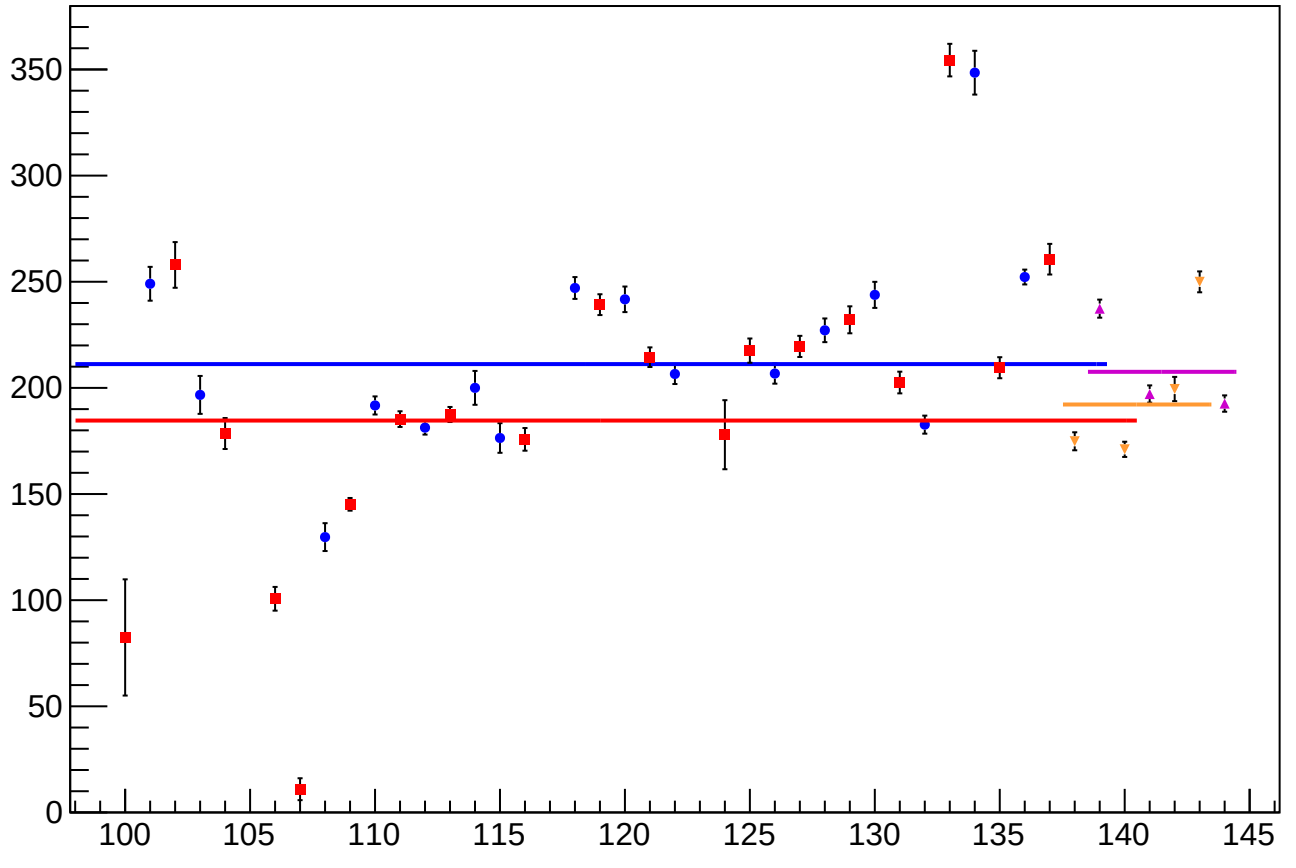
Left: -156.220+/-0.083 χ^2/NDF: 21544.4/6

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -84.592+/-0.063 χ^2/NDF:1731001.8/18

Out: -86.858+/-0.062 χ^2/NDF:1388117.1/22

All: -85.742+/-0.044 χ^2/NDF: 3119780.8/41



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 192.177+/-2.207 χ^2/NDF:190.7/3

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 207.568+/-2.336 χ^2/NDF:70.5/2

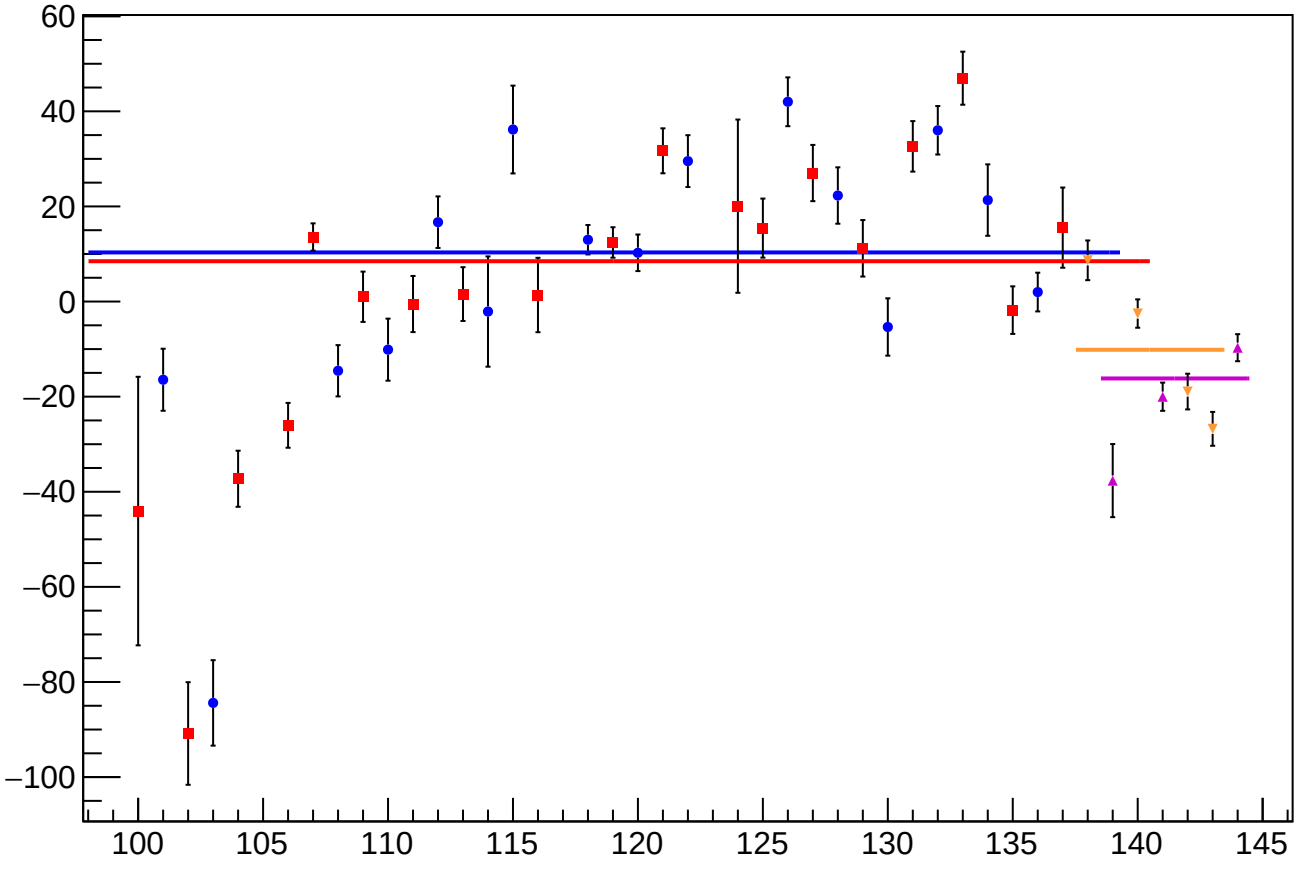
Left: 199.436+/-1.604 χ^2/NDF: 284.1/6

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 210.353+/-1.133 χ^2/NDF:855.4/18

Out: 186.326+/-1.050 χ^2/NDF:2740.1/22

All: 197.427+/-0.770 χ^2/NDF: 3837.4/41



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.142+/-1.769 χ^2/NDF:54.1/3

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -16.174+/-1.985 χ^2/NDF:14.7/2

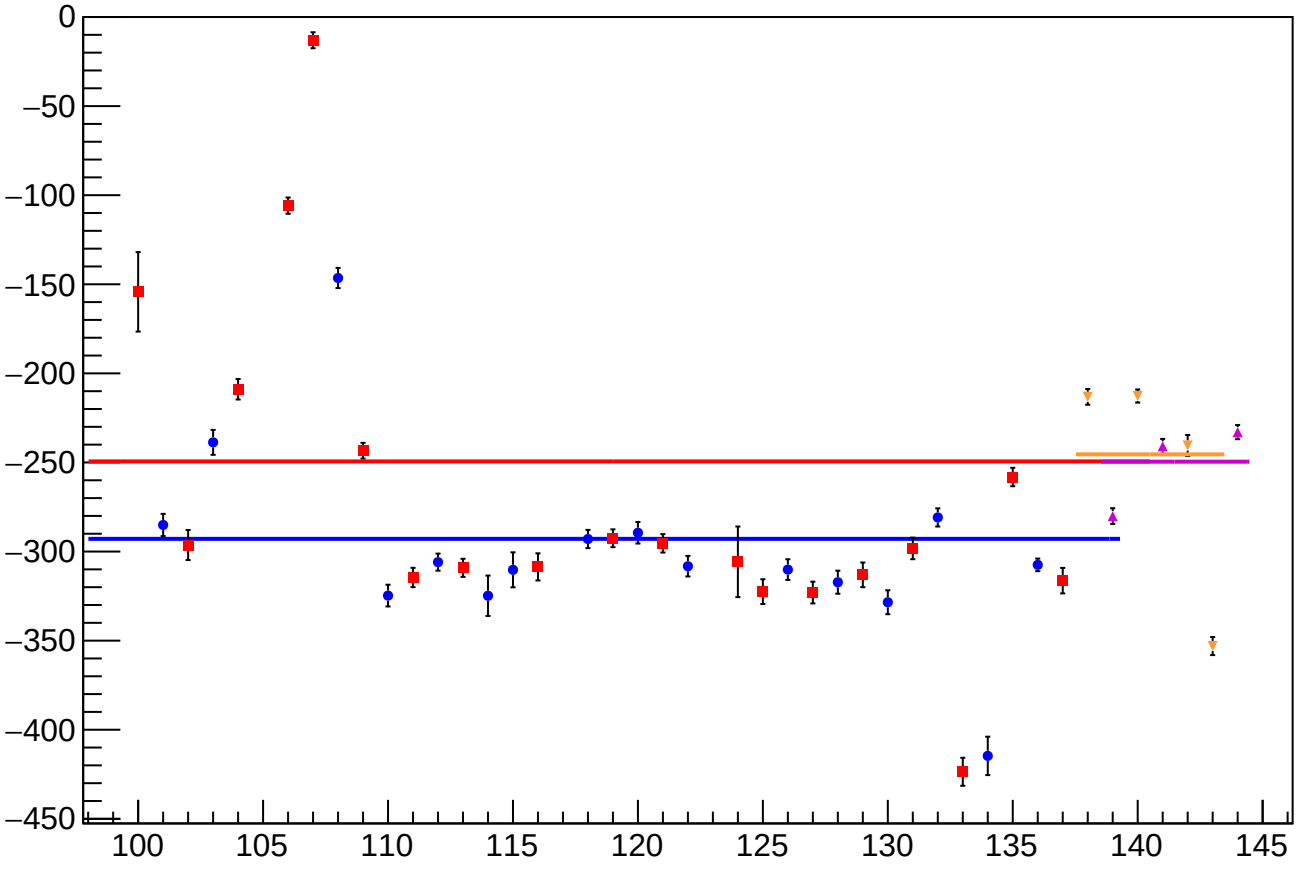
Left: -12.812+/-1.320 χ^2/NDF: 73.9/6

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.092+/-1.106 χ^2/NDF:400.8/18

Out: 2.445+/-1.007 χ^2/NDF:451.4/22

All: 2.285+/-0.745 χ^2/NDF: 852.3/41



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -245.441+/-2.280 χ^2/NDF:584.3/3

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -249.564+/-2.411 χ^2/NDF:69.2/2

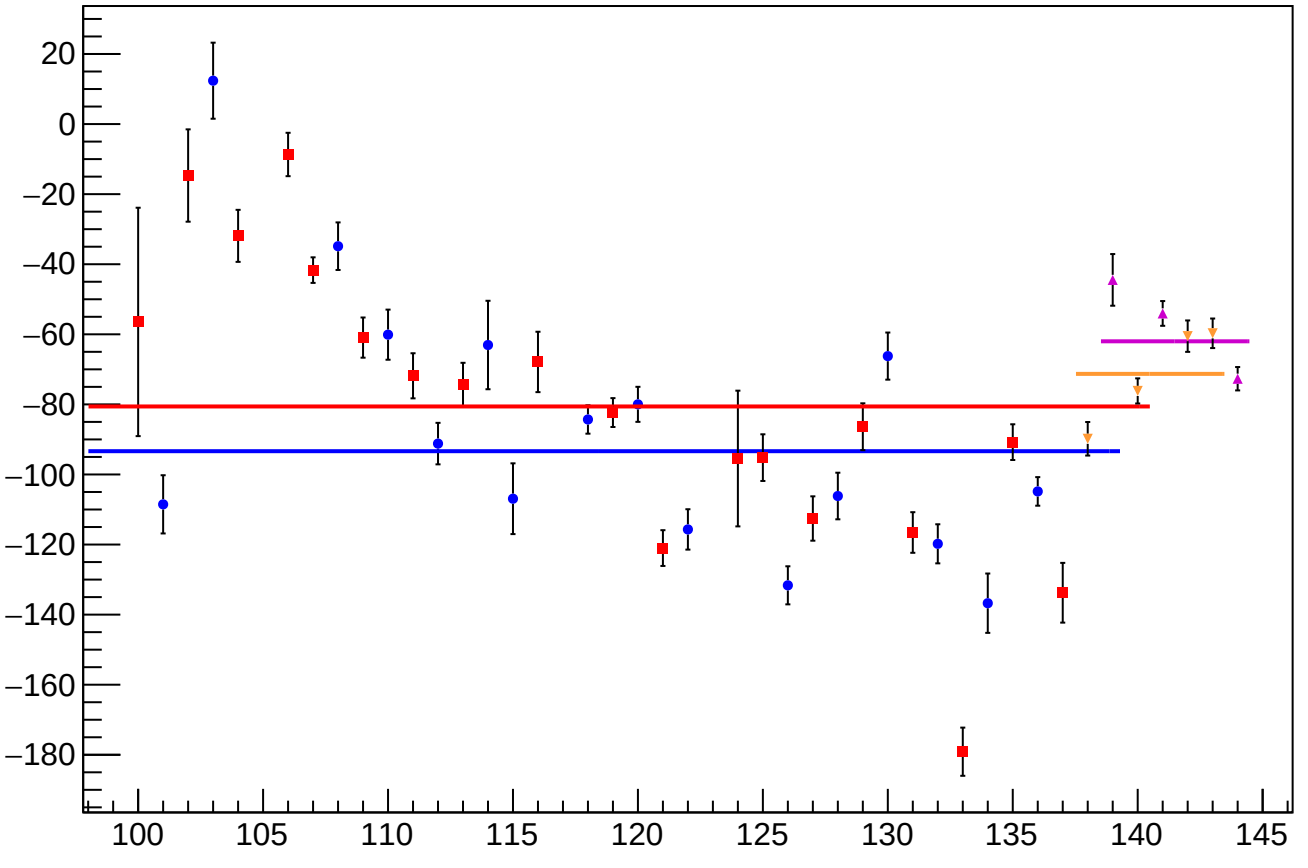
Left: -247.387+/-1.657 χ^2/NDF: 655.0/6

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -281.168+/-1.254 χ^2/NDF:1288.0/18

Out: -248.356+/-1.173 χ^2/NDF:5955.0/22

All: -263.679+/-0.857 χ^2/NDF: 7608.2/41



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -71.294+/-2.097 χ^2/NDF:30.1/3

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -61.998+/-2.303 χ^2/NDF:21.0/2

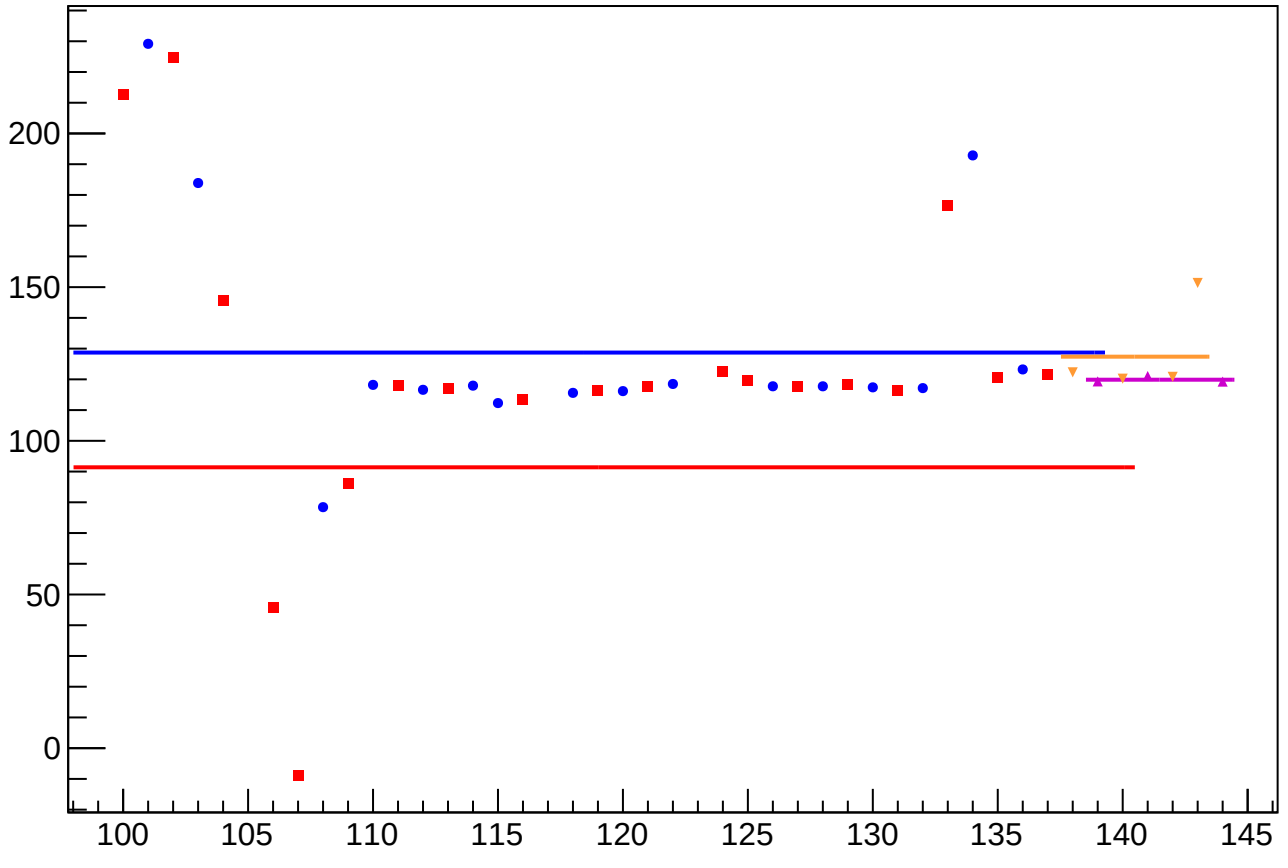
Left: -67.082+/-1.550 χ^2/NDF: 60.0/6

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -83.718+/-1.277 χ^2/NDF:504.7/18

Out: -77.657+/-1.178 χ^2/NDF:758.9/22

All: -80.444+/-0.866 χ^2/NDF: 1275.8/41



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 127.379+/-0.096 χ^2/NDF:16372.2/3

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 119.884+/-0.097 χ^2/NDF:73.6/2

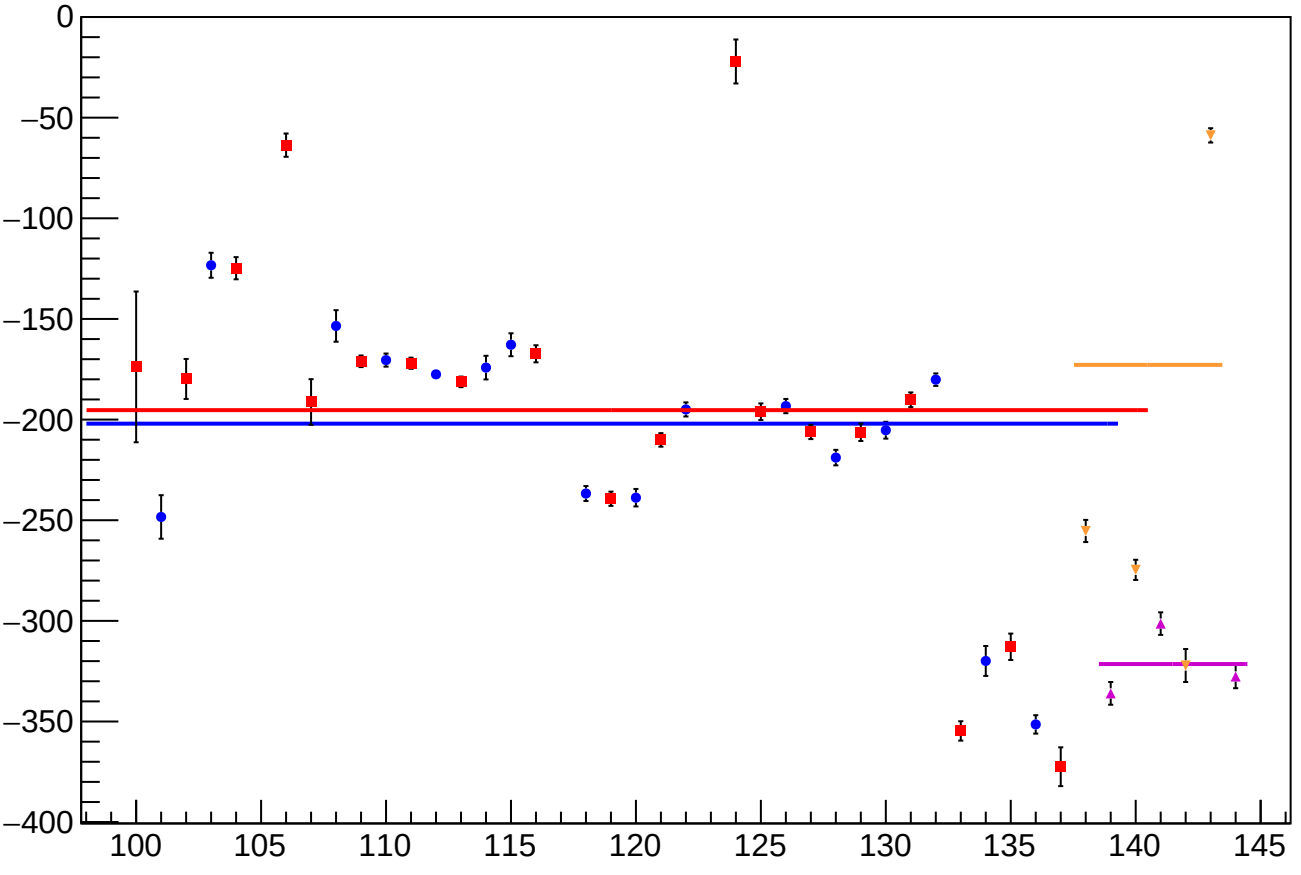
Left: 123.672+/-0.068 χ^2/NDF: 19452.0/6

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 124.681+/-0.066 χ^2/NDF:188081.0/18

Out: 105.908+/-0.061 χ^2/NDF:704915.6/22

All: 114.609+/-0.045 χ^2/NDF: 936807.5/41



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -172.824+/-2.449 χ^2/NDF:1996.8/3

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -321.447+/-3.287 χ^2/NDF:20.6/2

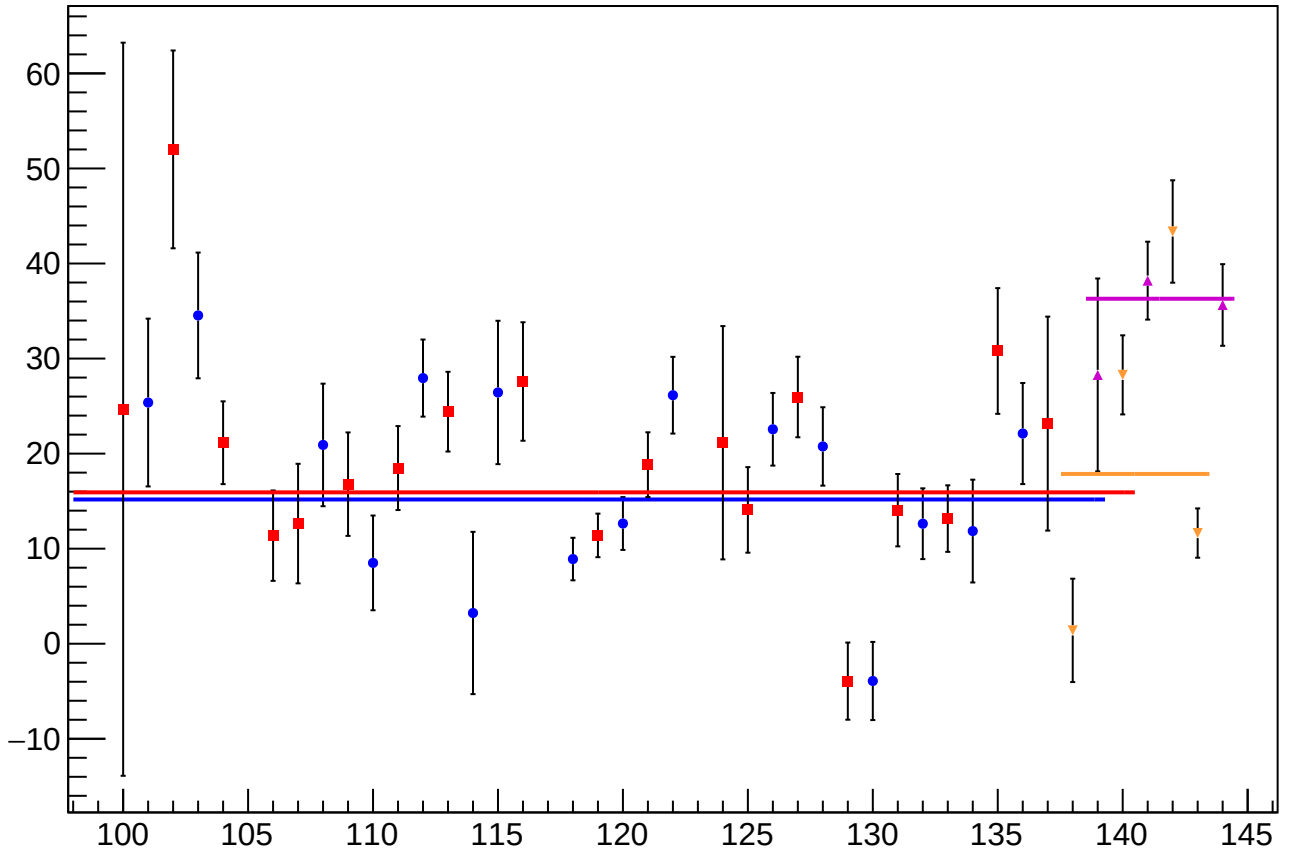
Left: -225.883+/-1.964 χ^2/NDF: 3332.1/6

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -212.587+/-0.978 χ^2/NDF:3264.4/18

Out: -192.239+/-0.905 χ^2/NDF:5170.3/22

All: -201.630+/-0.664 χ^2/NDF: 8667.9/41



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 17.862+/-1.908 χ^2/NDF:43.6/3

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 36.293+/-2.846 χ^2/NDF:0.9/2

Left: 23.578+/-1.585 χ^2/NDF: 73.4/6

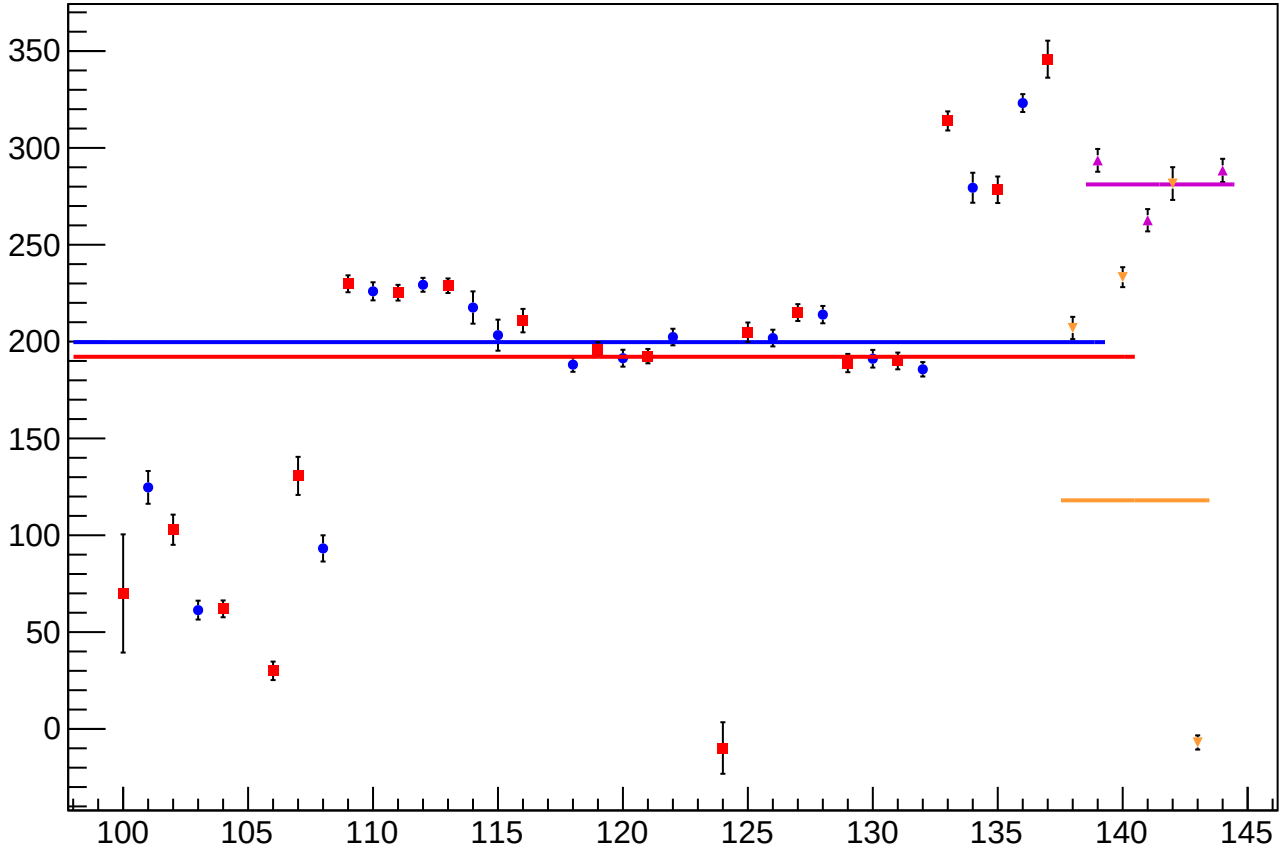
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.696+/-0.983 χ^2/NDF:121.7/18

Out: 16.367+/-0.911 χ^2/NDF:107.9/22

All: 16.981+/-0.668 χ^2/NDF: 230.6/41

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 118.033+/-2.527 χ^2/NDF:2281.8/3

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 281.151+/-3.394 χ^2/NDF:16.2/2

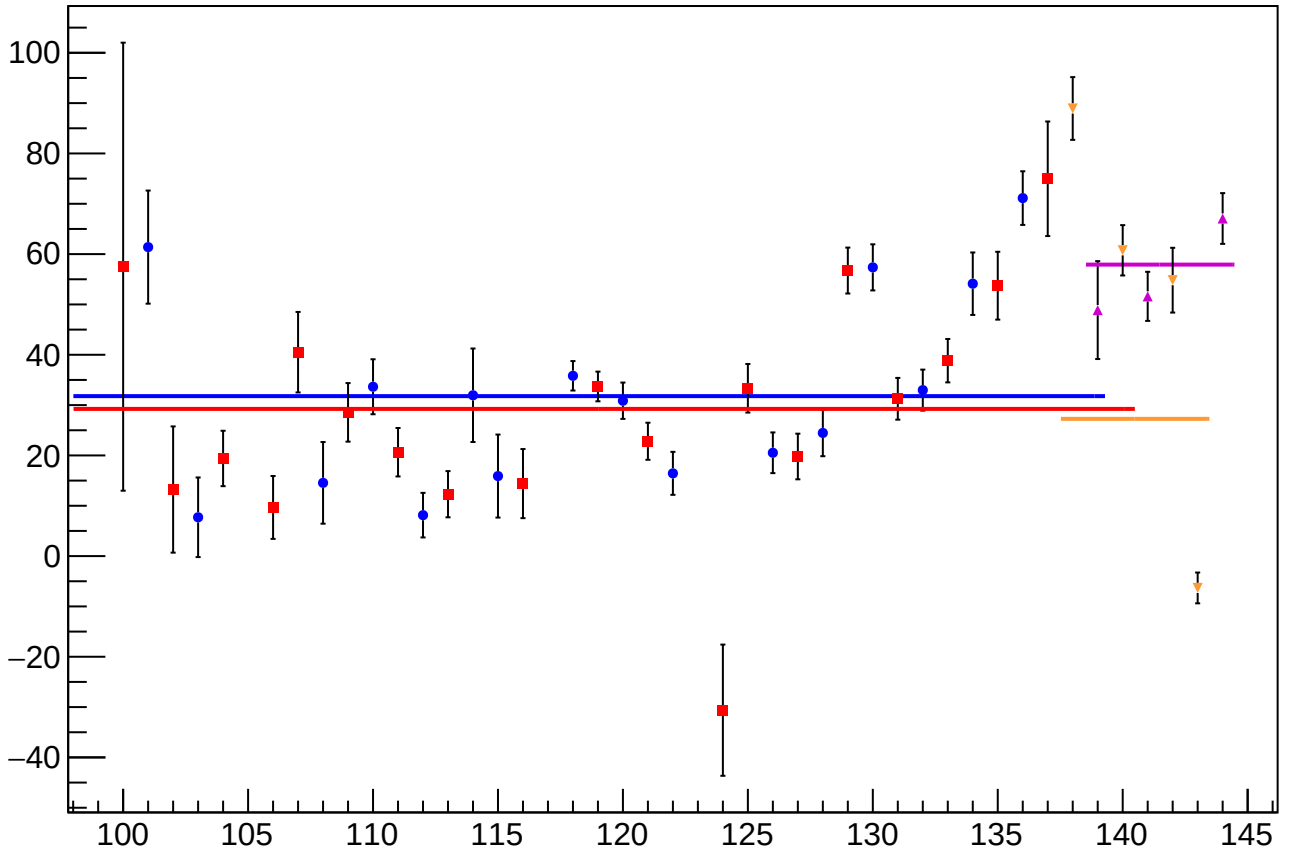
Left: 176.188+/-2.027 χ^2/NDF: 3784.1/6

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 208.712+/-1.128 χ^2/NDF:2629.8/18

Out: 179.426+/-1.047 χ^2/NDF:6771.8/22

All: 192.983+/-0.767 χ^2/NDF: 9763.8/41



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 27.269+/-2.254 χ^2/NDF:281.7/3

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 57.914+/-3.298 χ^2/NDF:5.8/2

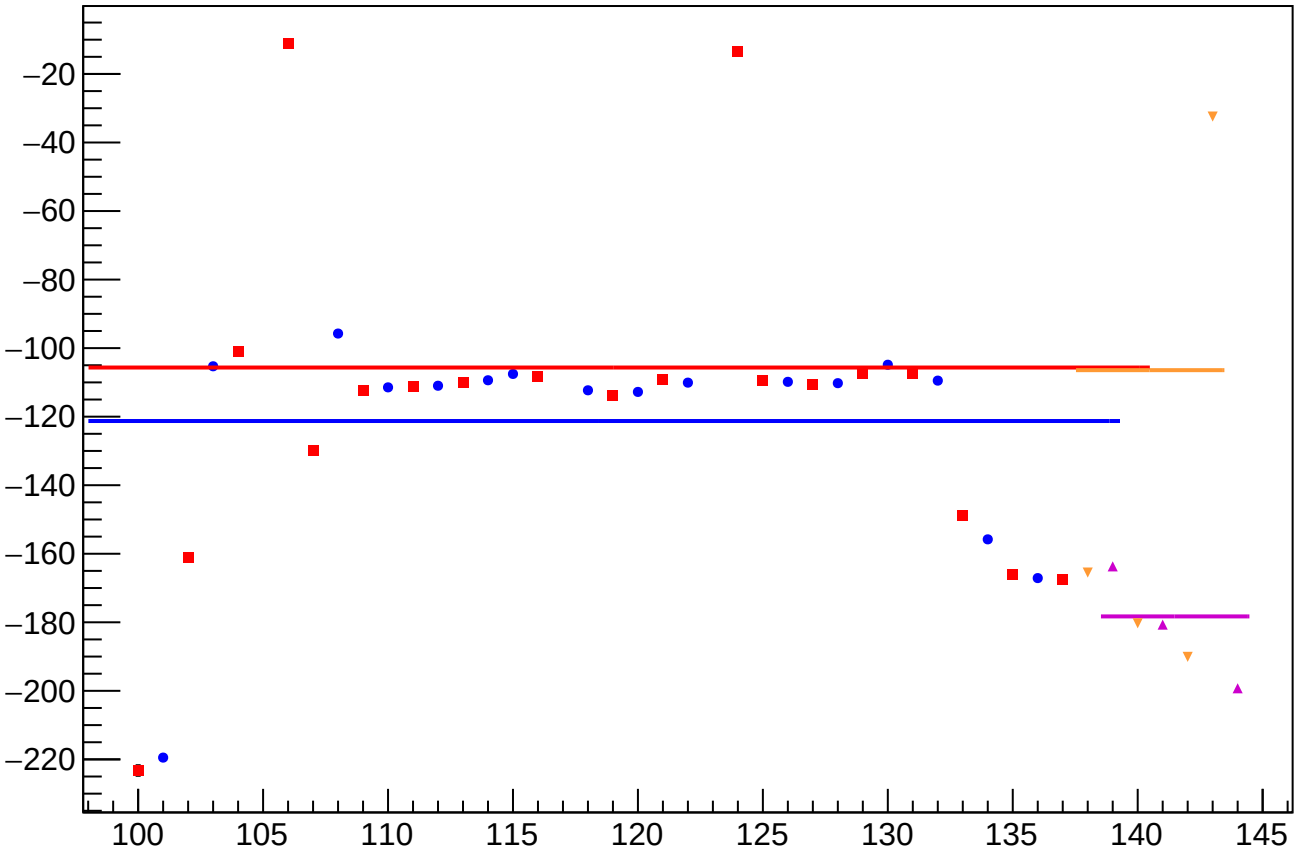
Left: 37.029+/-1.861 χ^2/NDF: 346.4/6

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 34.913+/-1.141 χ^2/NDF:238.1/18

Out: 28.810+/-1.057 χ^2/NDF:423.2/22

All: 31.628+/-0.775 χ^2/NDF: 676.7/41



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -106.431+/-0.106 χ^2/NDF:464200.6/3

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -178.283+/-0.135 χ^2/NDF:11029.6/2

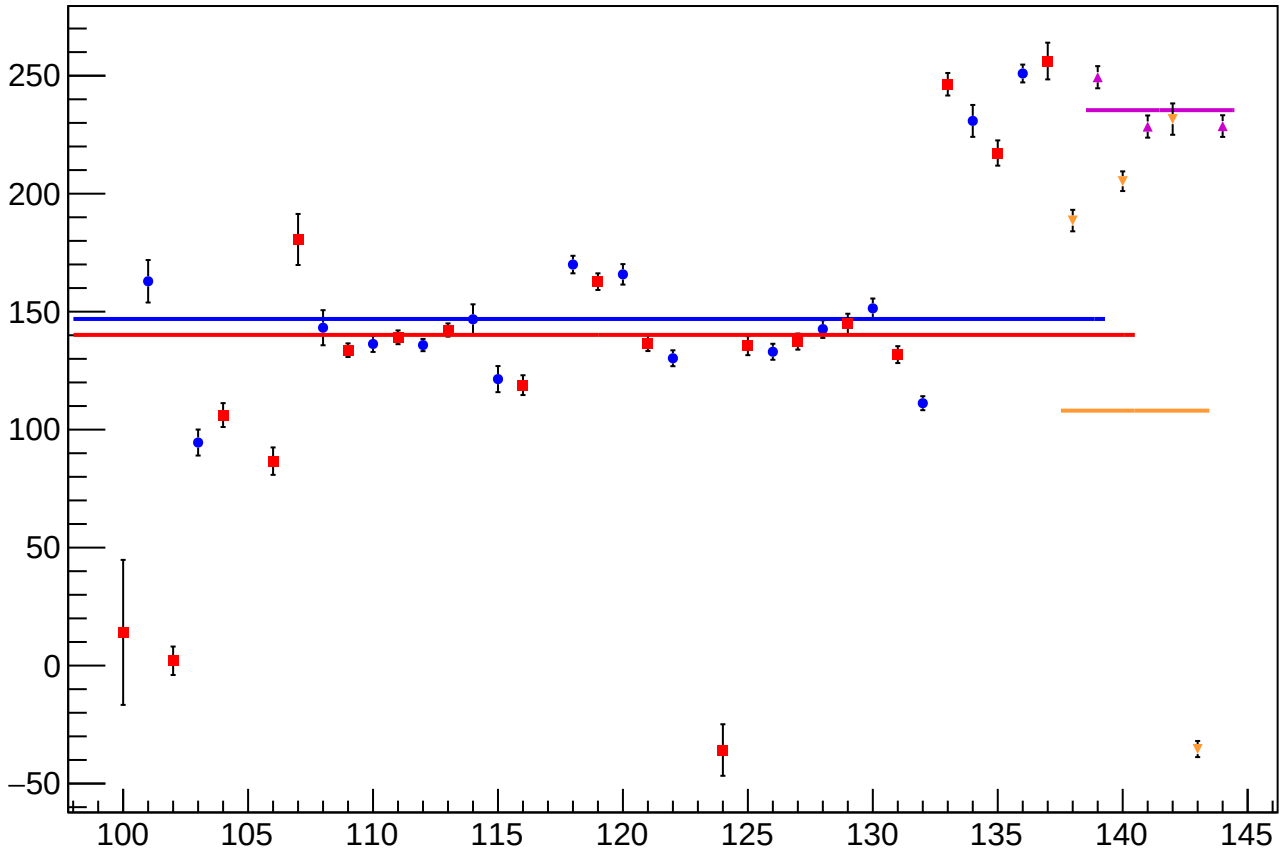
Left: -133.659+/-0.083 χ^2/NDF: 650044.0/6

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -135.804+/-0.068 χ^2/NDF:262476.0/18

Out: -105.917+/-0.061 χ^2/NDF:819329.8/22

All: -119.166+/-0.046 χ^2/NDF: 1188145.6/41



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 108.049+/-2.162 χ^2/NDF:2961.7/3

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 235.398+/-2.689 χ^2/NDF:13.2/2

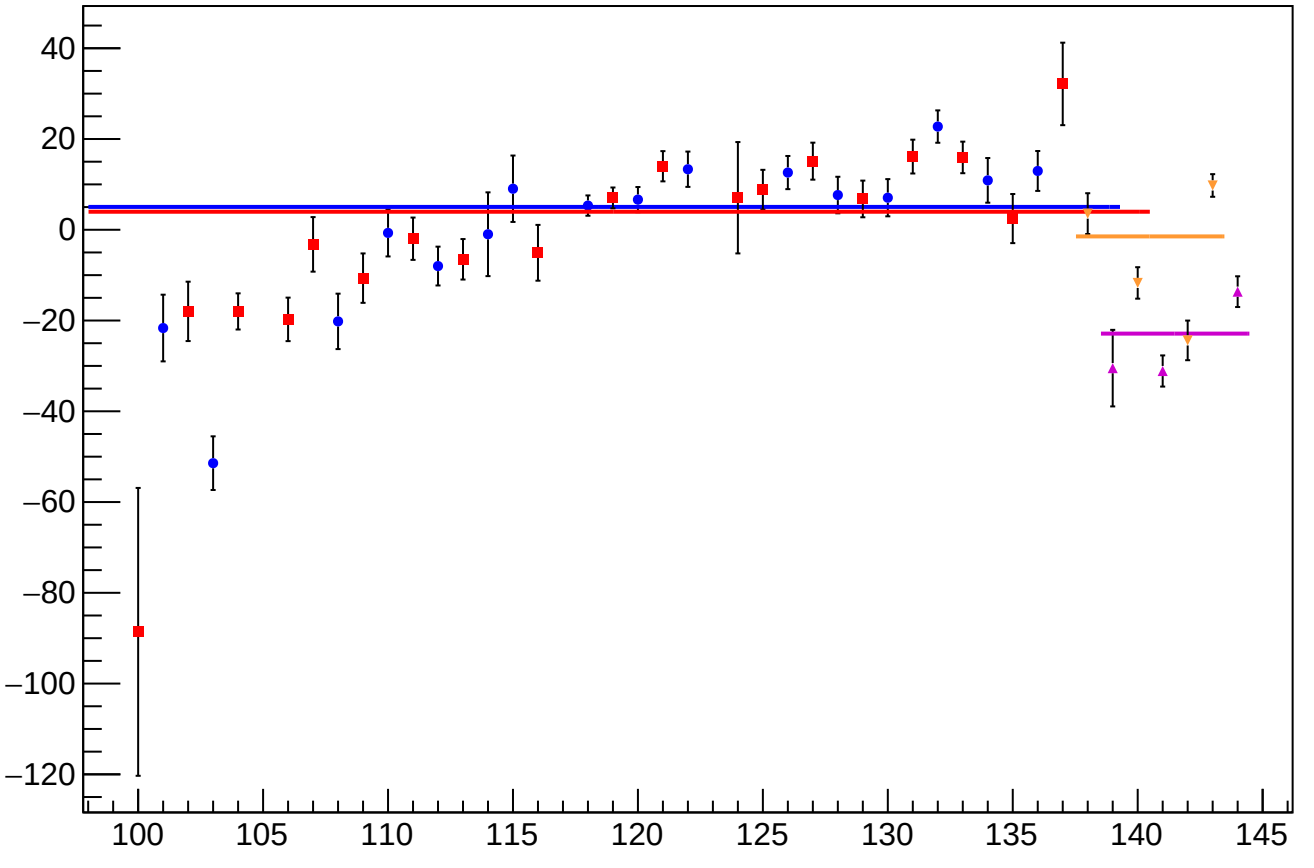
Left: 158.053+/-1.685 χ^2/NDF: 4336.9/6

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 157.718+/-0.940 χ^2/NDF:2265.8/18

Out: 134.866+/-0.877 χ^2/NDF:5096.4/22

All: 145.506+/-0.641 χ^2/NDF: 7677.9/41



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -1.465+/-1.700 χ^2/NDF:57.8/3

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -22.884+/-2.319 χ^2/NDF:14.0/2

Left: -8.955+/-1.371 χ^2/NDF: 127.3/6

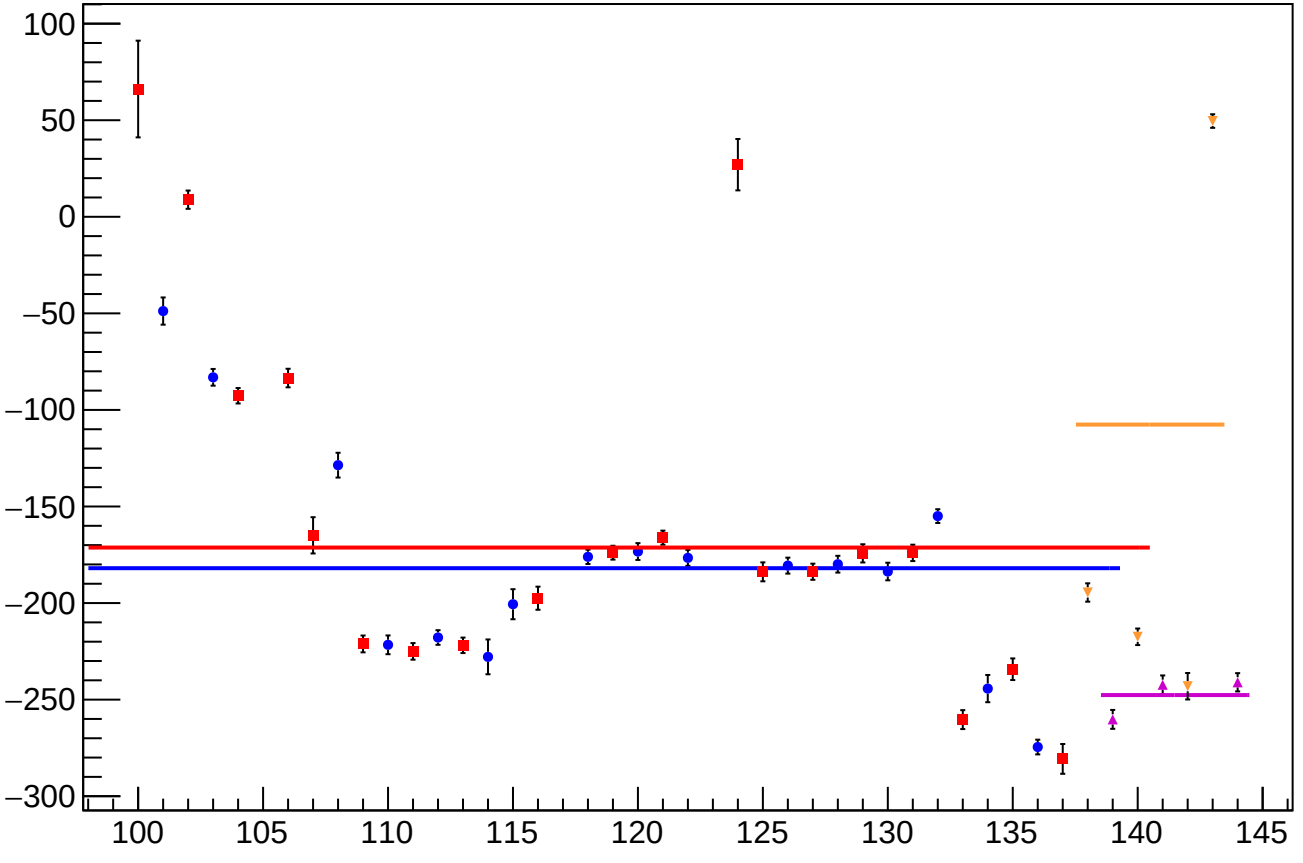
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 0.504+/-0.934 χ^2/NDF:307.3/18

Out: 2.552+/-0.870 χ^2/NDF:210.2/22

All: 1.601+/-0.637 χ^2/NDF: 520.1/41

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -107.585+/-2.232 χ^2/NDF:3379.2/3

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -247.640+/-2.777 χ^2/NDF:9.8/2

Left: -162.539+/-1.740 χ^2/NDF: 4934.6/6

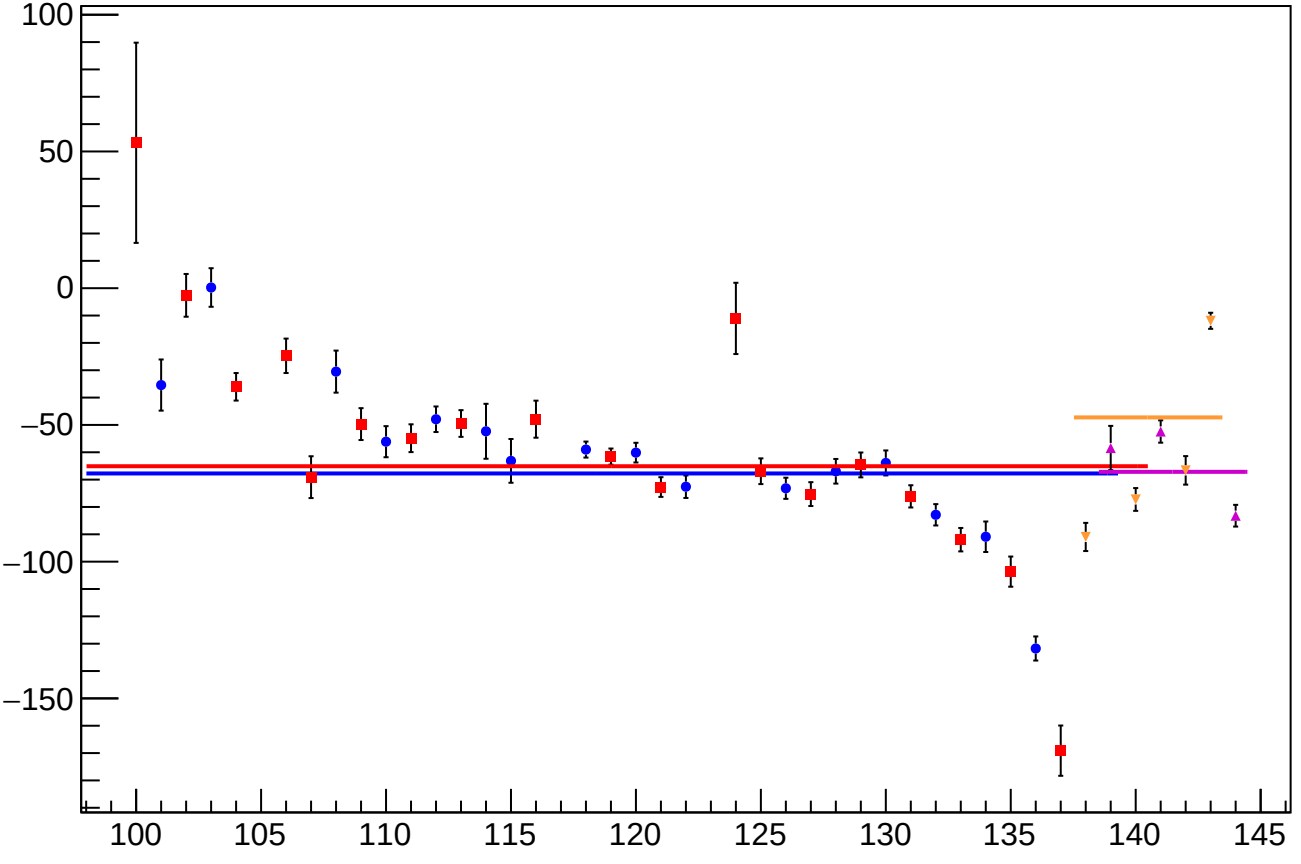
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -191.620+/-1.066 χ^2/NDF:2357.5/18

Out: -158.612+/-0.995 χ^2/NDF:7659.9/22

All: -173.980+/-0.727 χ^2/NDF: 10530.1/41

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -47.251+/-2.009 χ^2/NDF:282.1/3

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -67.154+/-2.686 χ^2/NDF:30.5/2

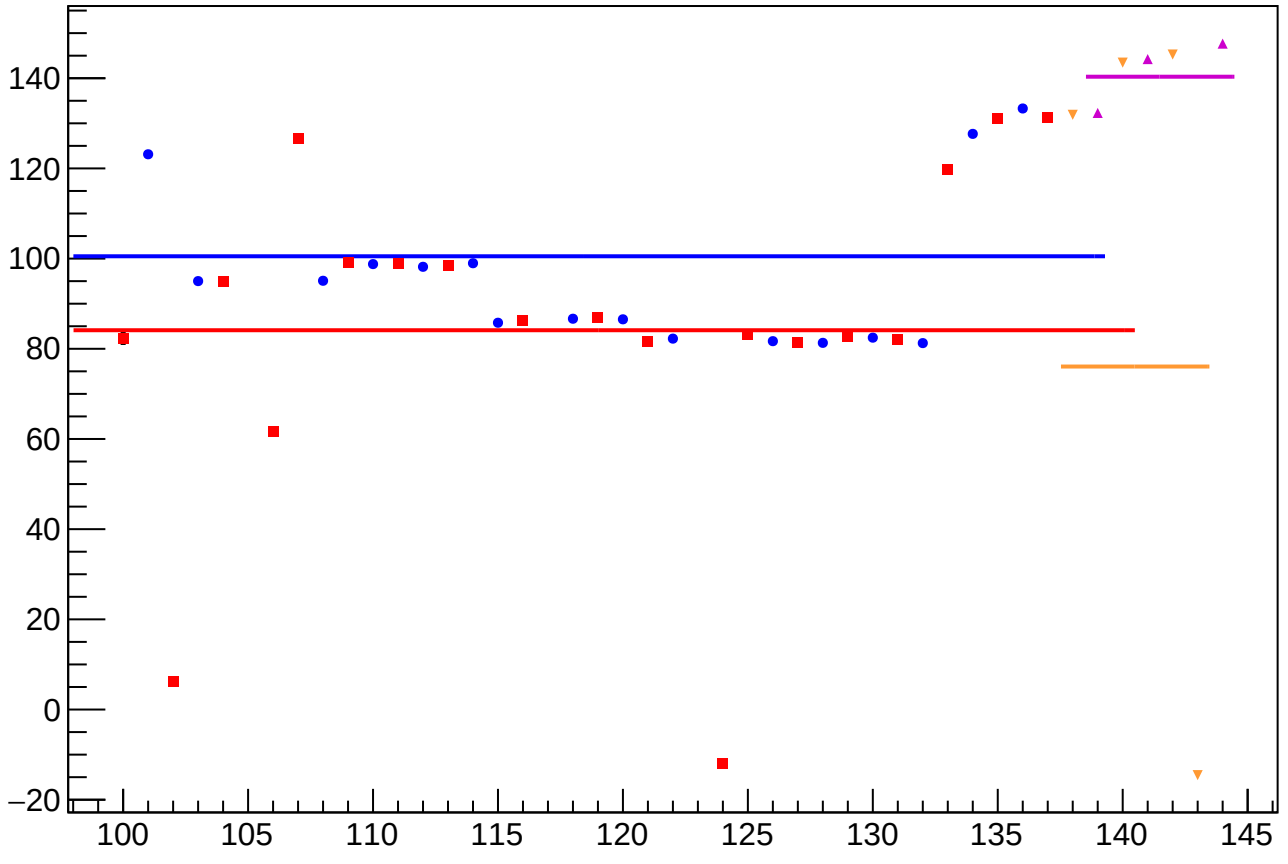
Left: -54.390+/-1.609 χ^2/NDF: 347.8/6

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.650+/-1.081 χ^2/NDF:444.6/18

Out: -60.603+/-1.009 χ^2/NDF:770.2/22

All: -63.883+/-0.738 χ^2/NDF: 1237.5/41



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 76.065+/-0.093 χ^2/NDF:655782.3/3

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 140.336+/-0.111 χ^2/NDF:3721.0/2

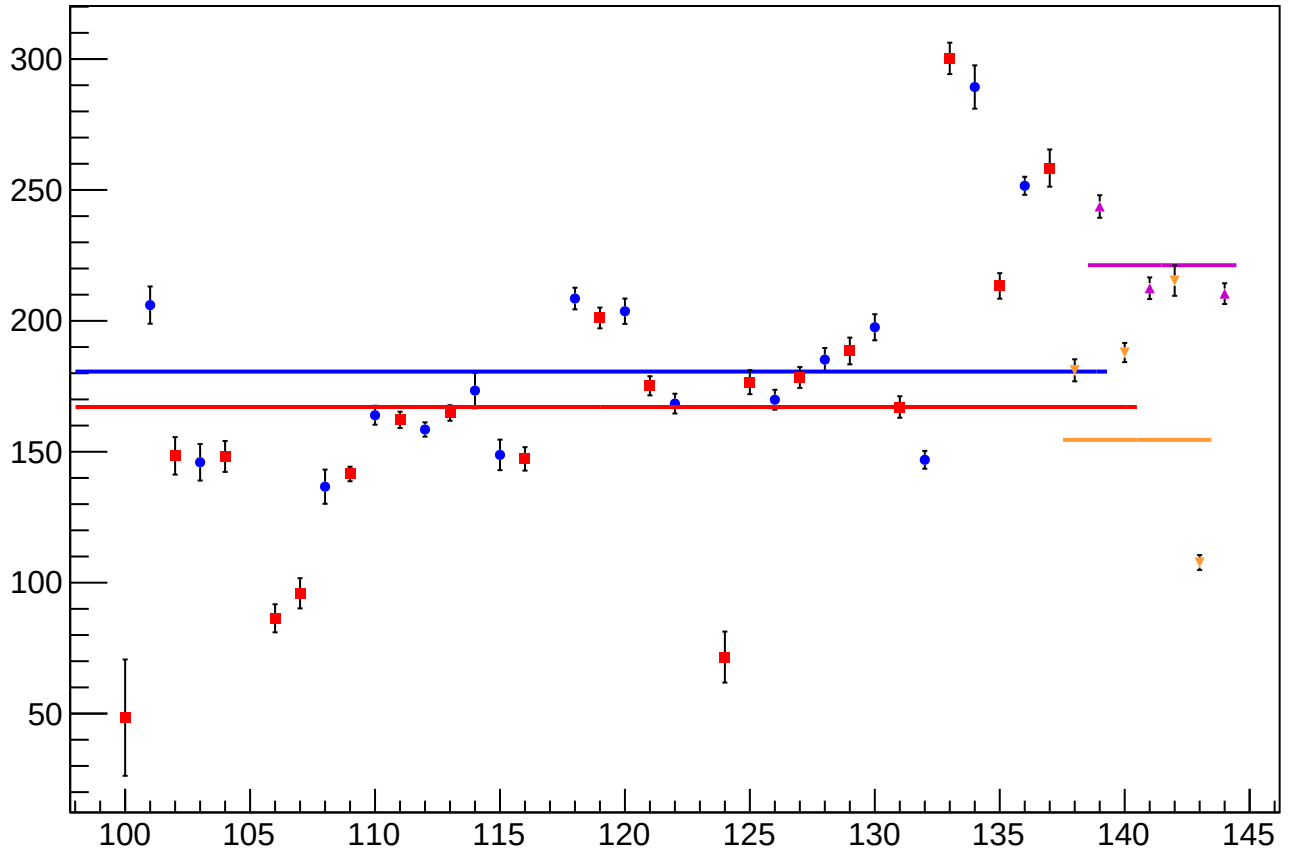
Left: 102.694+/-0.072 χ^2/NDF: 855306.5/6

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 112.737+/-0.062 χ^2/NDF:160131.0/18

Out: 81.266+/-0.056 χ^2/NDF:924361.8/22

All: 95.407+/-0.041 χ^2/NDF: 1228323.6/41



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 154.542+/-1.874 χ^2/NDF:504.9/3

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

Left: 180.038+/-1.473 χ^2/NDF: 1028.2/6

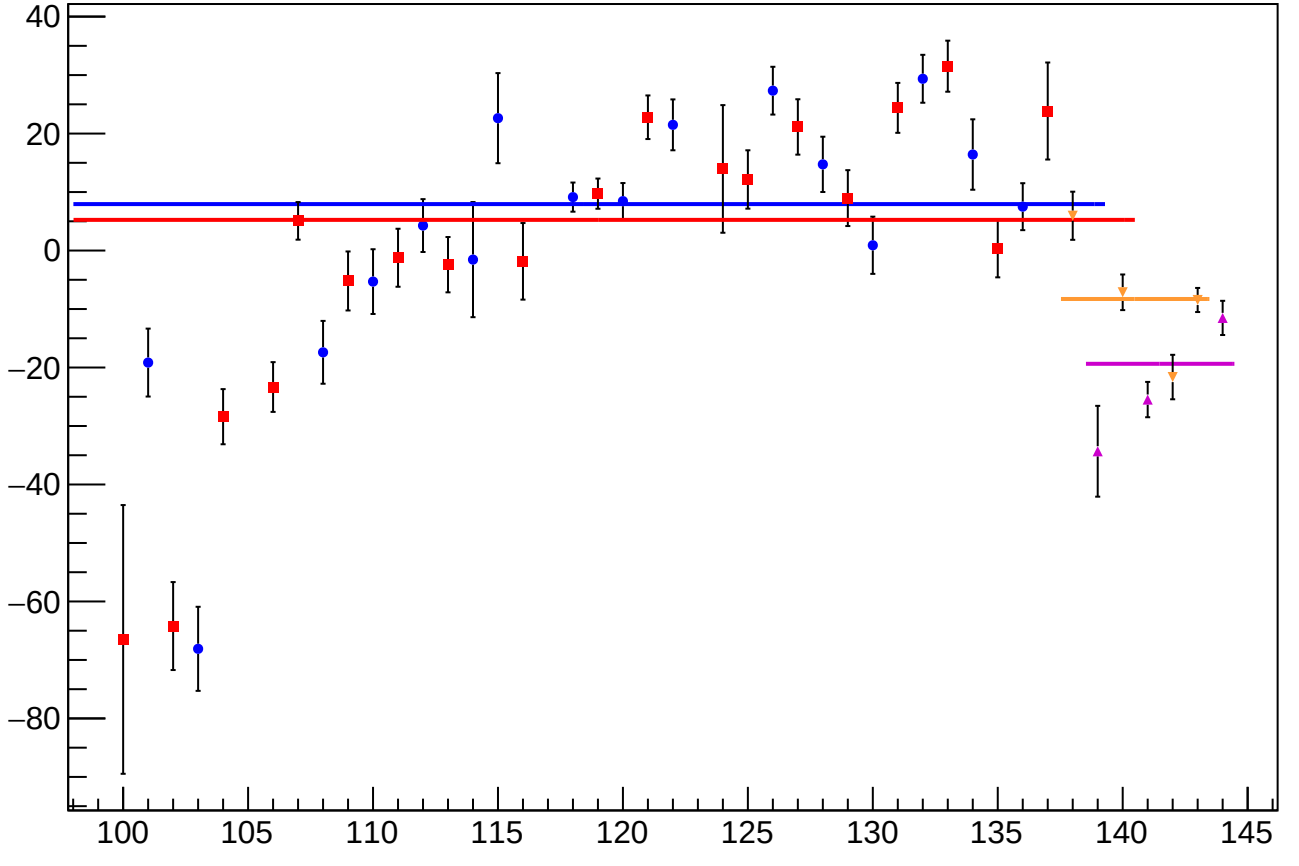
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 187.658+/-0.991 χ^2/NDF:1272.9/18

Out: 164.229+/-0.896 χ^2/NDF:2024.1/22

All: 174.773+/-0.665 χ^2/NDF: 3604.3/41

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

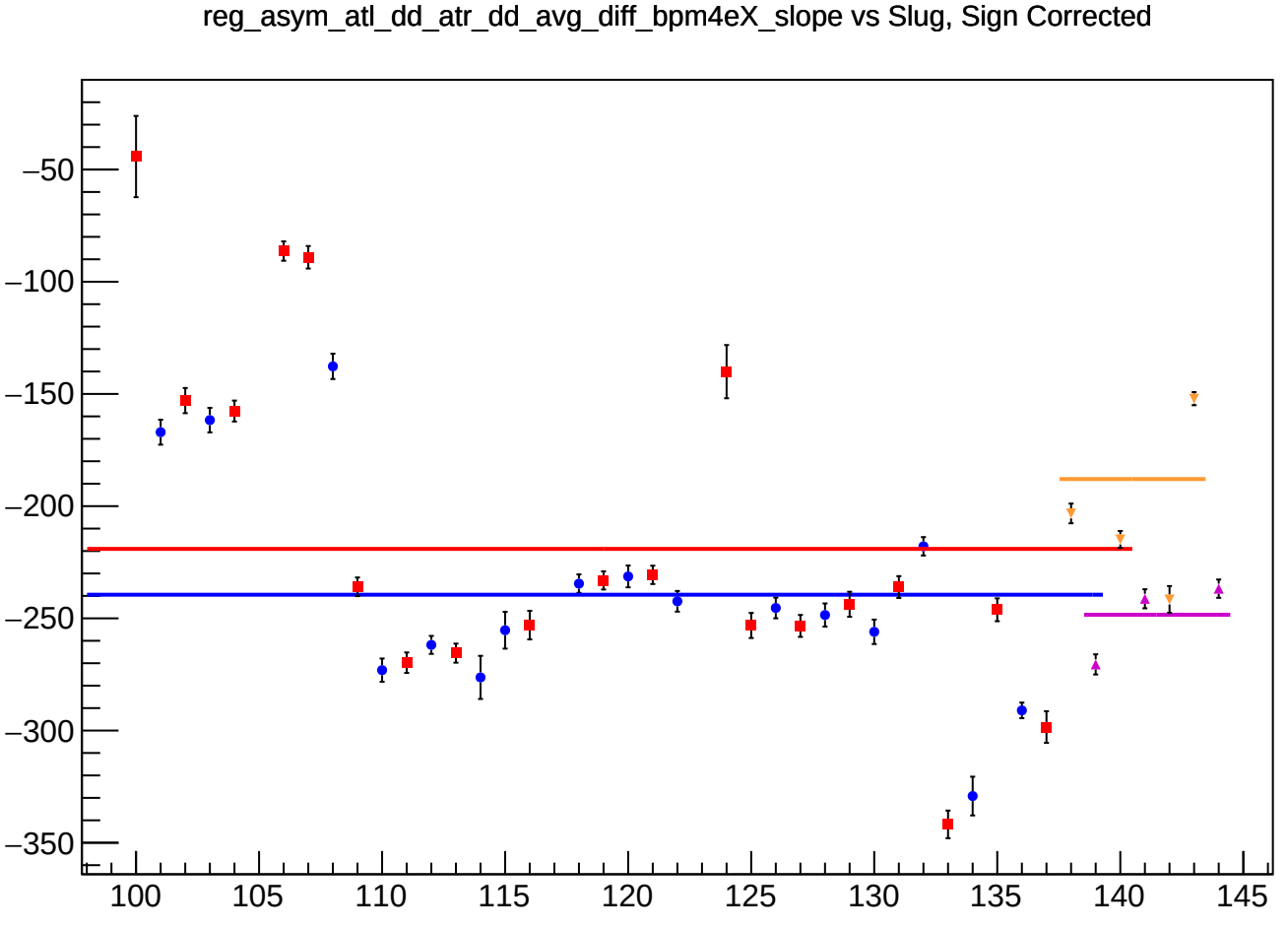
Left: -12.052+/-1.183 χ^2/NDF: 59.1/6

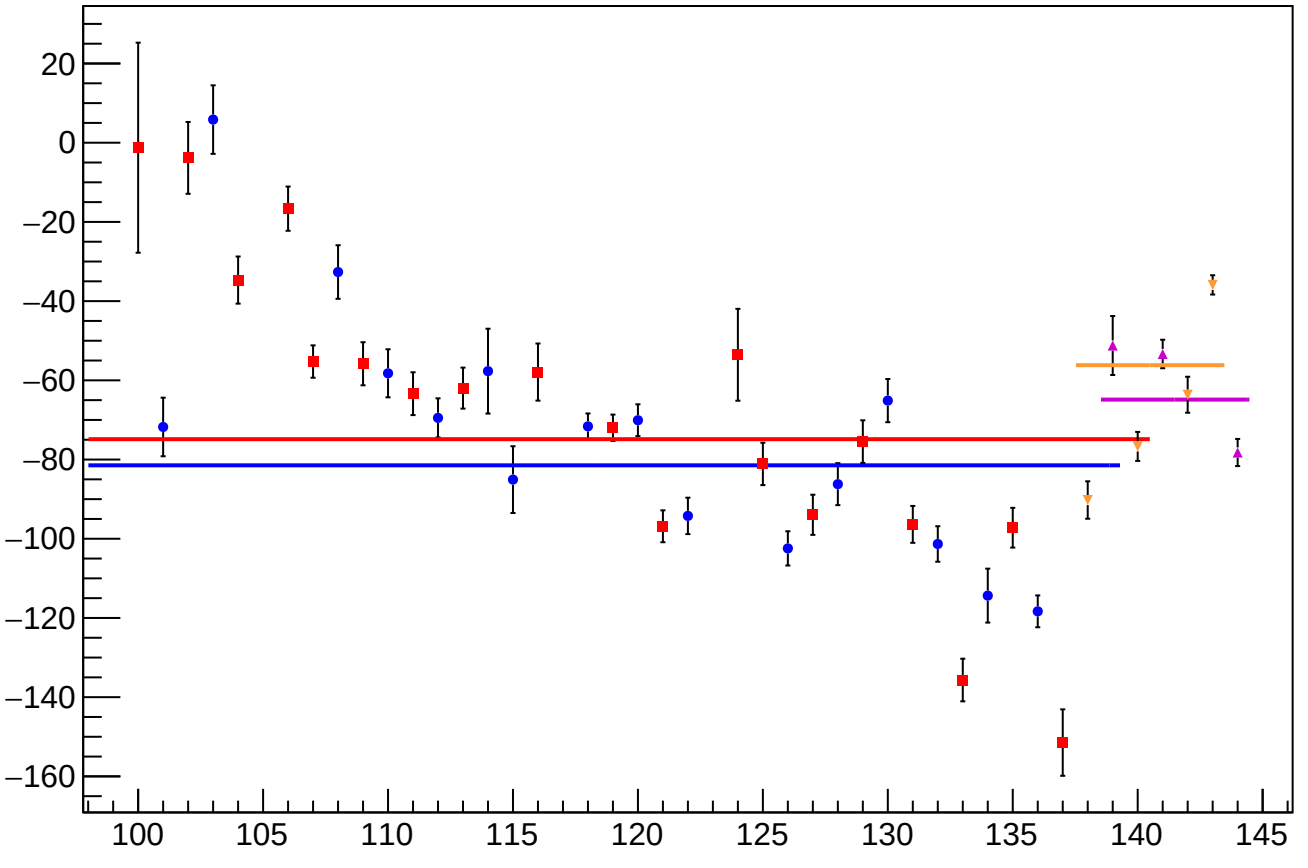
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.619+/-0.976 χ^2/NDF:387.2/18

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.015+/-0.644 χ^2/NDF: 771.6/41


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
140
145
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -187.932+/-1.934 χ²/NDF:294.1/3
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -248.416+/-2.460 χ²/NDF:35.2/2
Left: -211.024+/-1.520 χ²/NDF: 702.9/6
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -241.293+/-1.111 χ²/NDF:1207.9/18
Out: -210.646+/-1.005 χ²/NDF:3532.5/22
All: -224.435+/-0.745 χ²/NDF: 5158.9/41



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

Left: -59.207+/-1.391 χ^2/NDF: 192.9/6

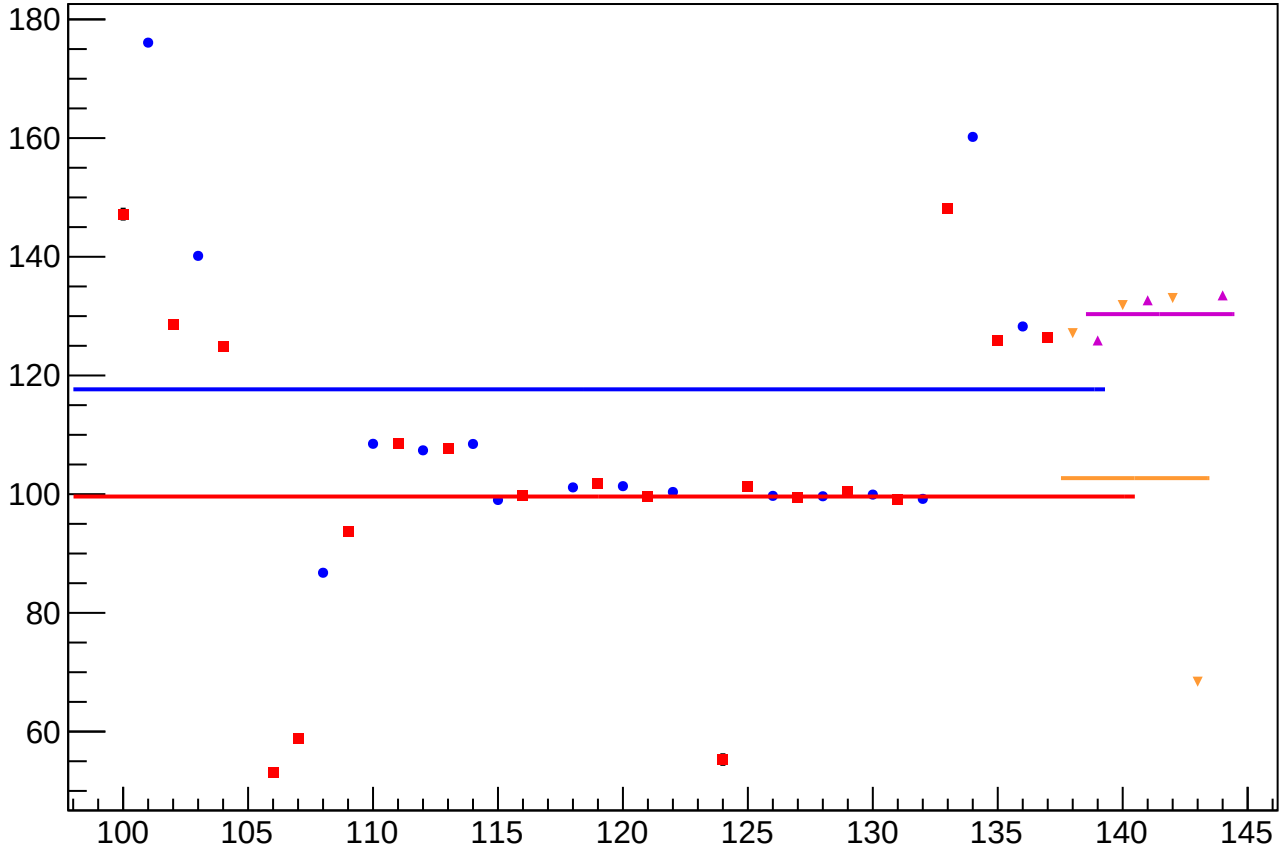
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.643+/-1.129 χ^2/NDF:433.6/18

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.558+/-0.749 χ^2/NDF: 1279.5/41

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: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

Left: 113.812+/-0.063 χ^2/NDF: 191881.1/6

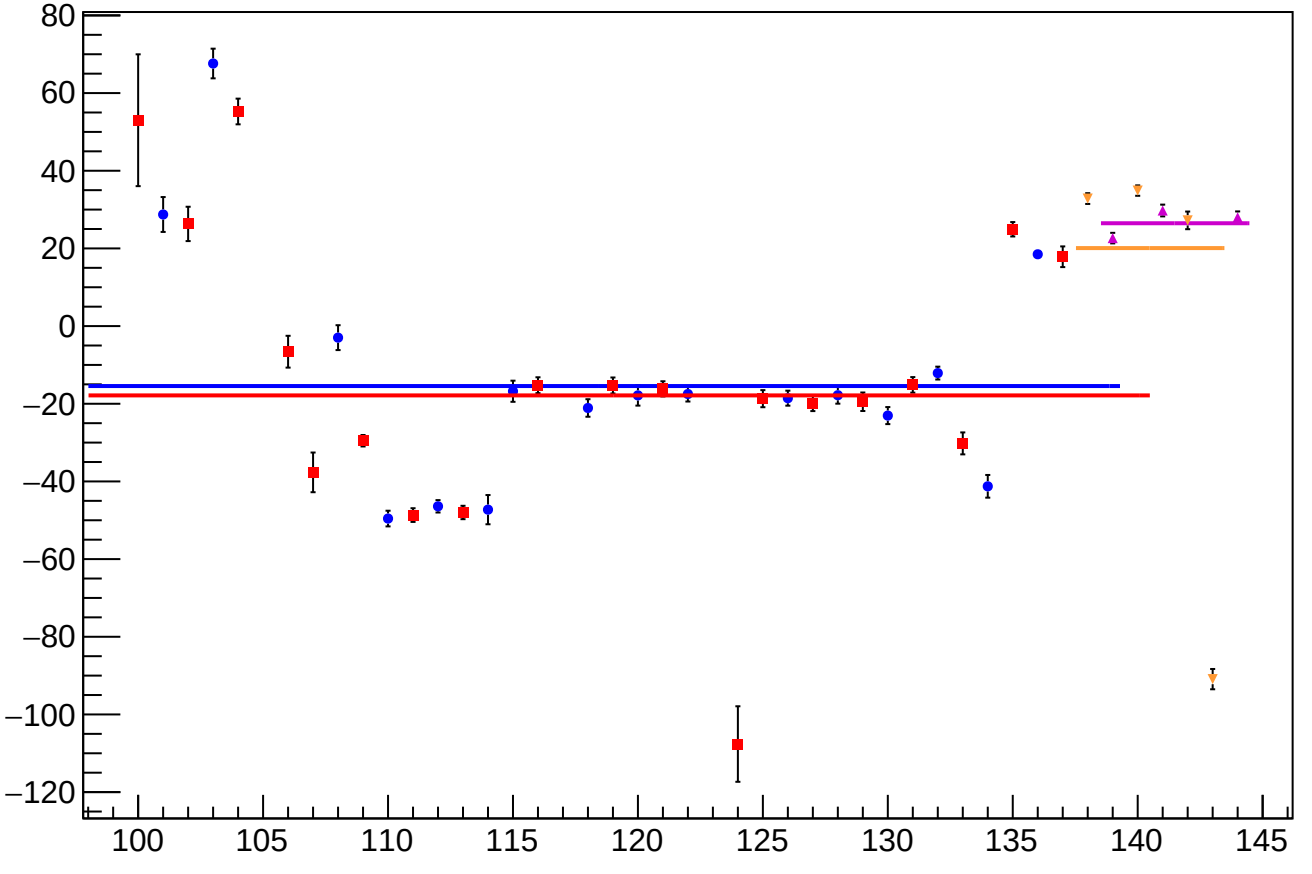
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.537+/-0.061 χ^2/NDF:106721.9/18

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 110.186+/-0.040 χ^2/NDF: 488640.9/41

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 20.084+/-0.840 χ^2/NDF:2021.7/3

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.482+/-0.843 χ^2/NDF:13.6/2

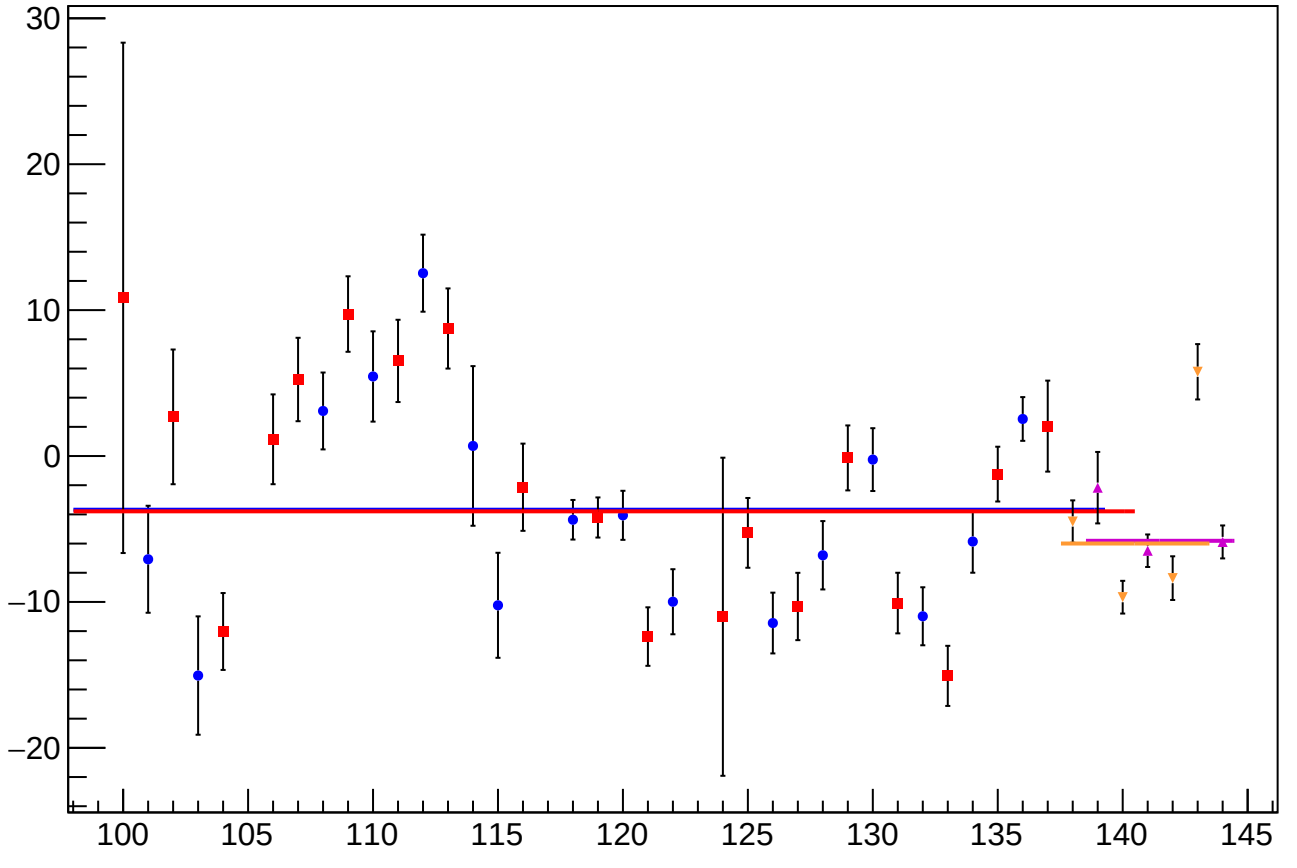
Left: 23.271+/-0.595 χ^2/NDF: 2064.2/6

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -3.275+/-0.454 χ^2/NDF:3892.5/18

Out: -7.057+/-0.448 χ^2/NDF:5606.1/22

All: -5.192+/-0.319 χ^2/NDF: 9533.8/41



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -5.996+/-0.708 χ^2/NDF:52.9/3

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.810+/-0.755 χ^2/NDF:2.6/2

Left: -5.909+/-0.516 χ^2/NDF: 55.5/6

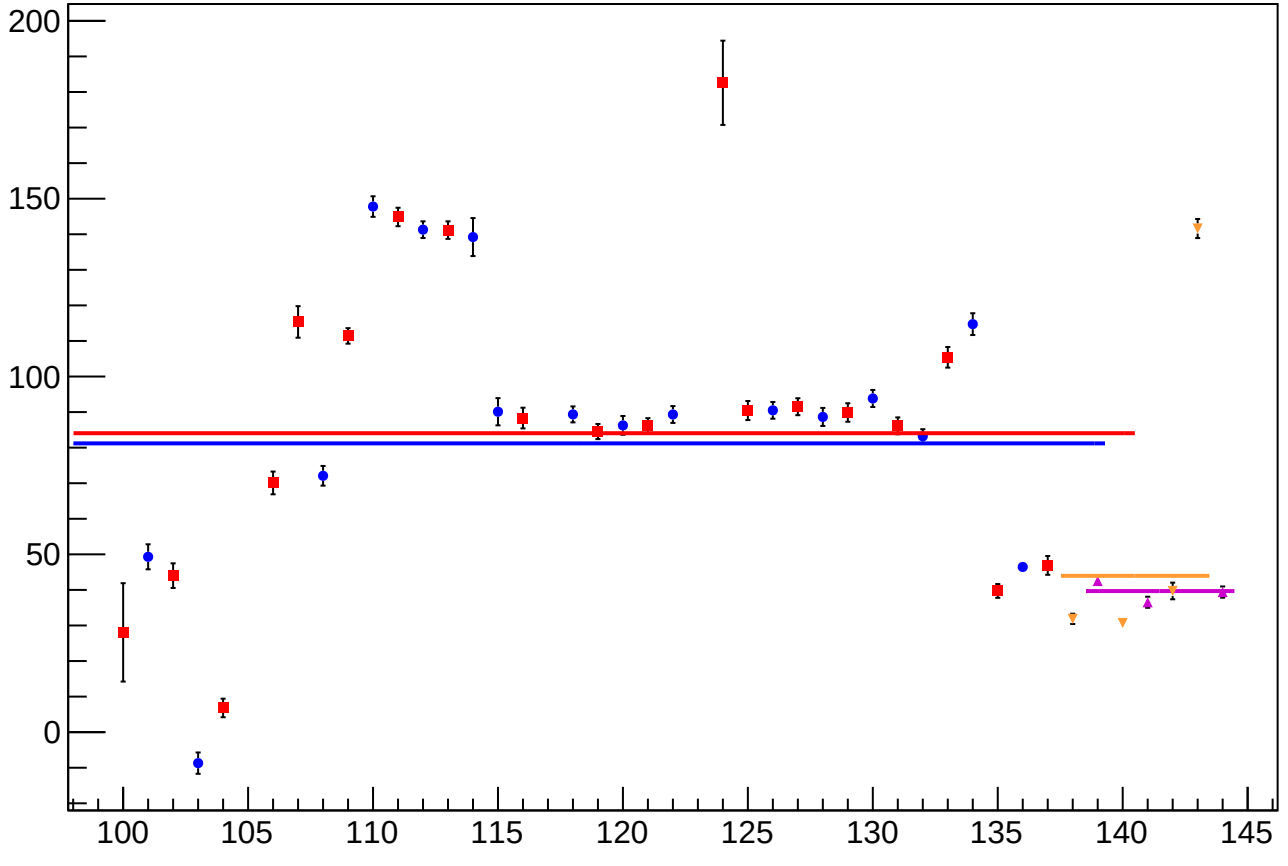
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.422+/-0.446 χ^2/NDF:131.8/18

Out: -4.646+/-0.441 χ^2/NDF:220.0/22

All: -4.535+/-0.313 χ^2/NDF: 351.9/41

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: 43.964+/-0.869 χ^2/NDF:1486.8/3

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.677+/-0.871 χ^2/NDF:8.1/2

Left: 41.826+/-0.615 χ^2/NDF: 1507.0/6

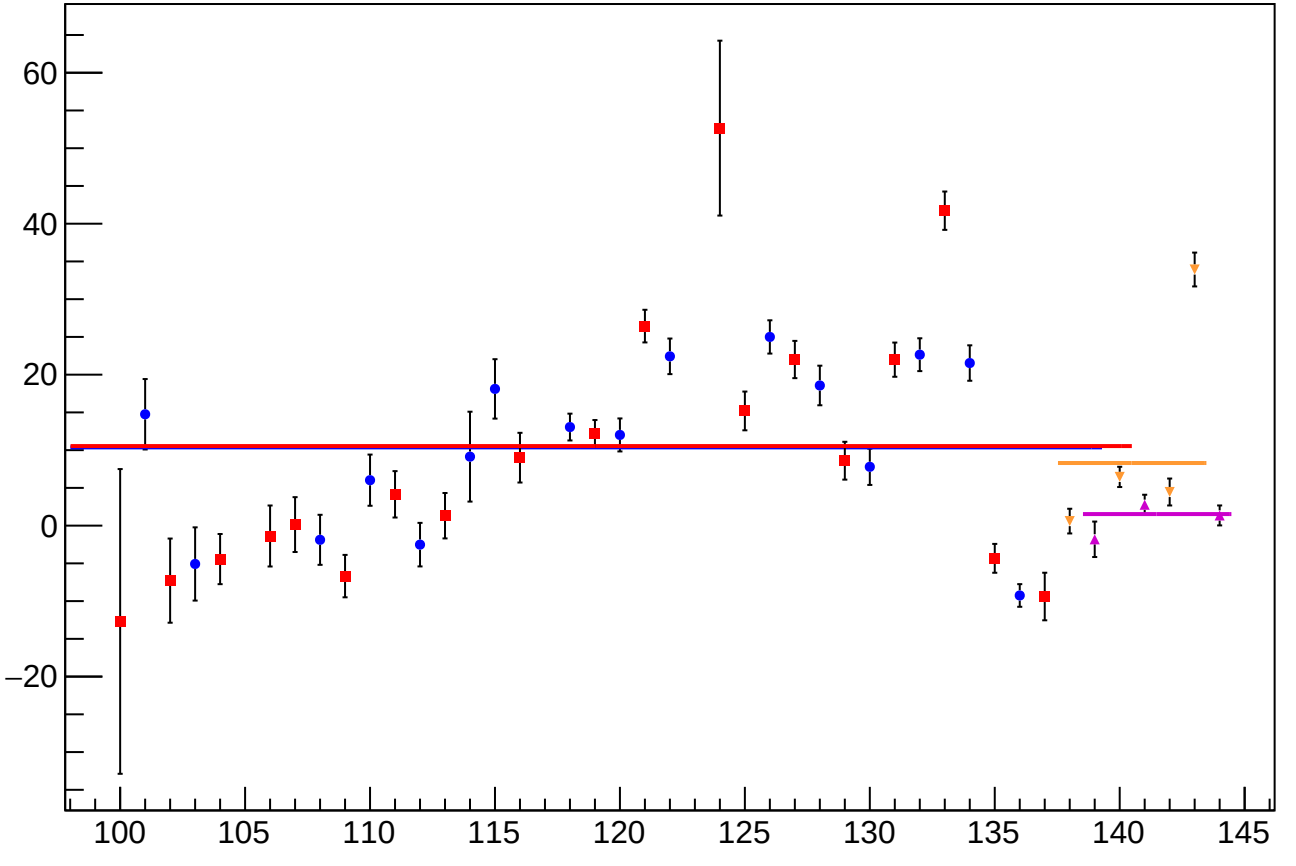
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 67.630+/-0.498 χ^2/NDF:4768.1/18

Out: 70.644+/-0.503 χ^2/NDF:6110.4/22

All: 69.123+/-0.354 χ^2/NDF: 10896.6/41

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.531+/-0.869 χ^2/NDF:2.9/2

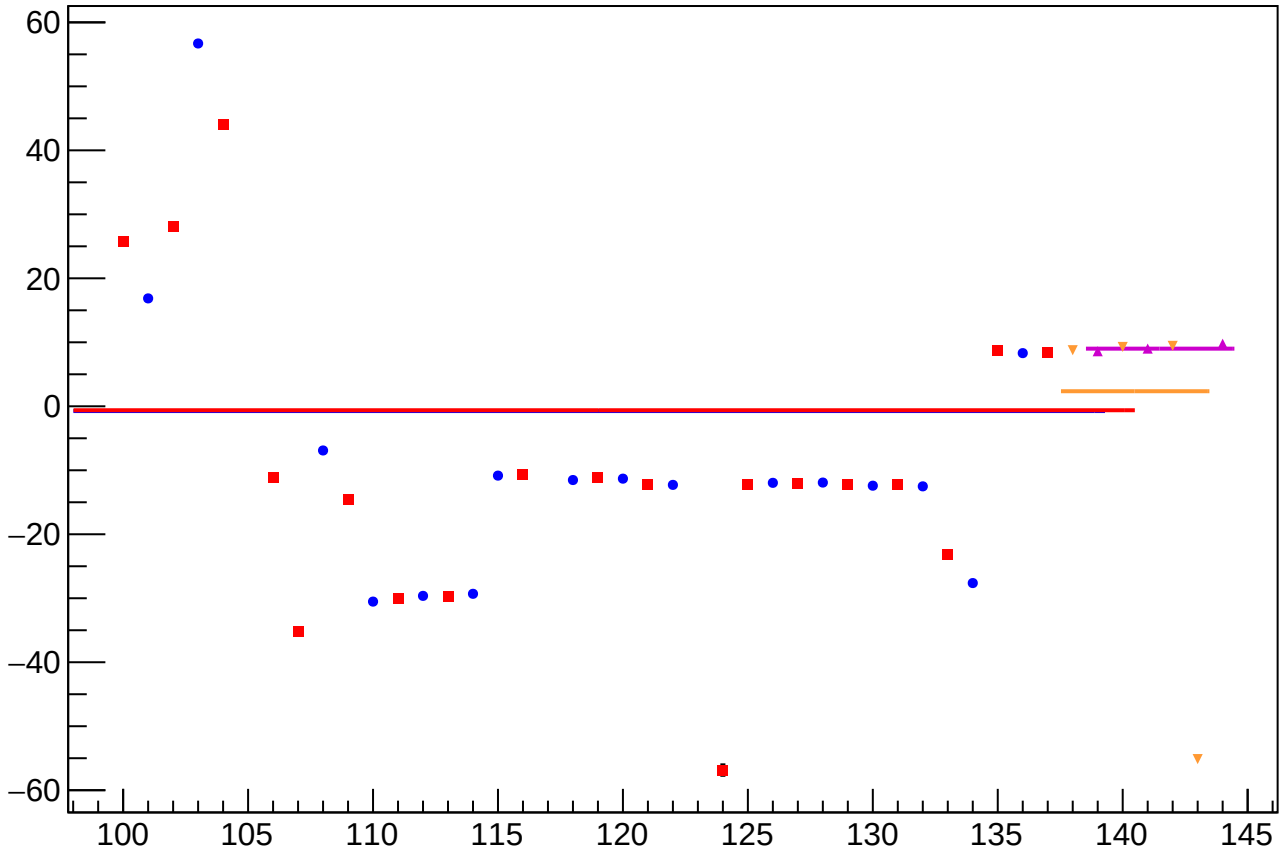
Left: 5.055+/-0.601 χ^2/NDF: 194.0/6

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 7.343+/-0.508 χ^2/NDF:430.8/18

Out: 9.706+/-0.508 χ^2/NDF:634.8/22

All: 8.525+/-0.359 χ^2/NDF: 1076.4/41



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 9.007+/-0.034 χ^2/NDF:184.6/2

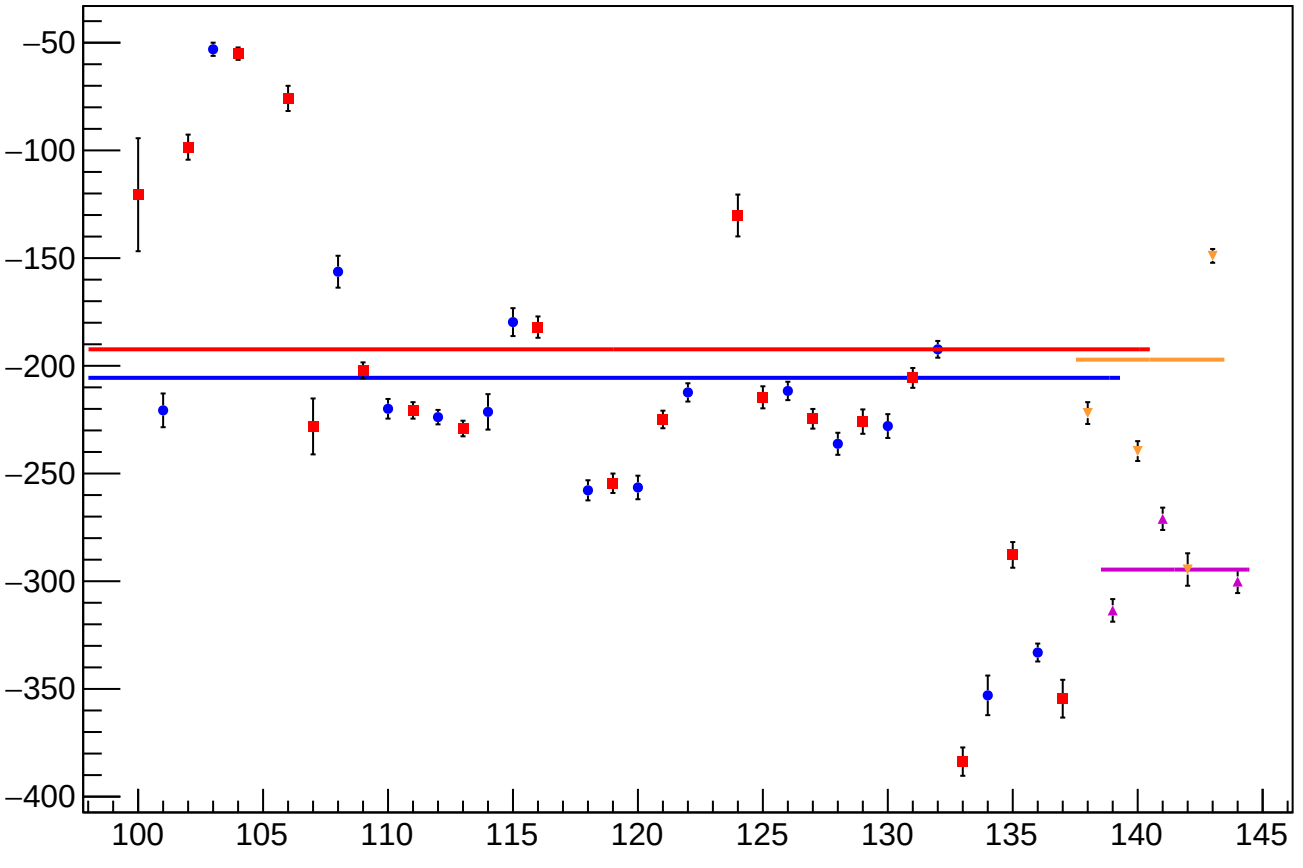
Left: 5.841+/-0.025 χ^2/NDF: 313564.1/6

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.331+/-0.025 χ^2/NDF:406633.3/18

Out: 0.916+/-0.026 χ^2/NDF:615376.9/22

All: 2.699+/-0.018 χ^2/NDF: 1031043.9/41



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -197.141+/-2.231 χ^2/NDF:501.2/3

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -294.597+/-3.041 χ^2/NDF:34.8/2

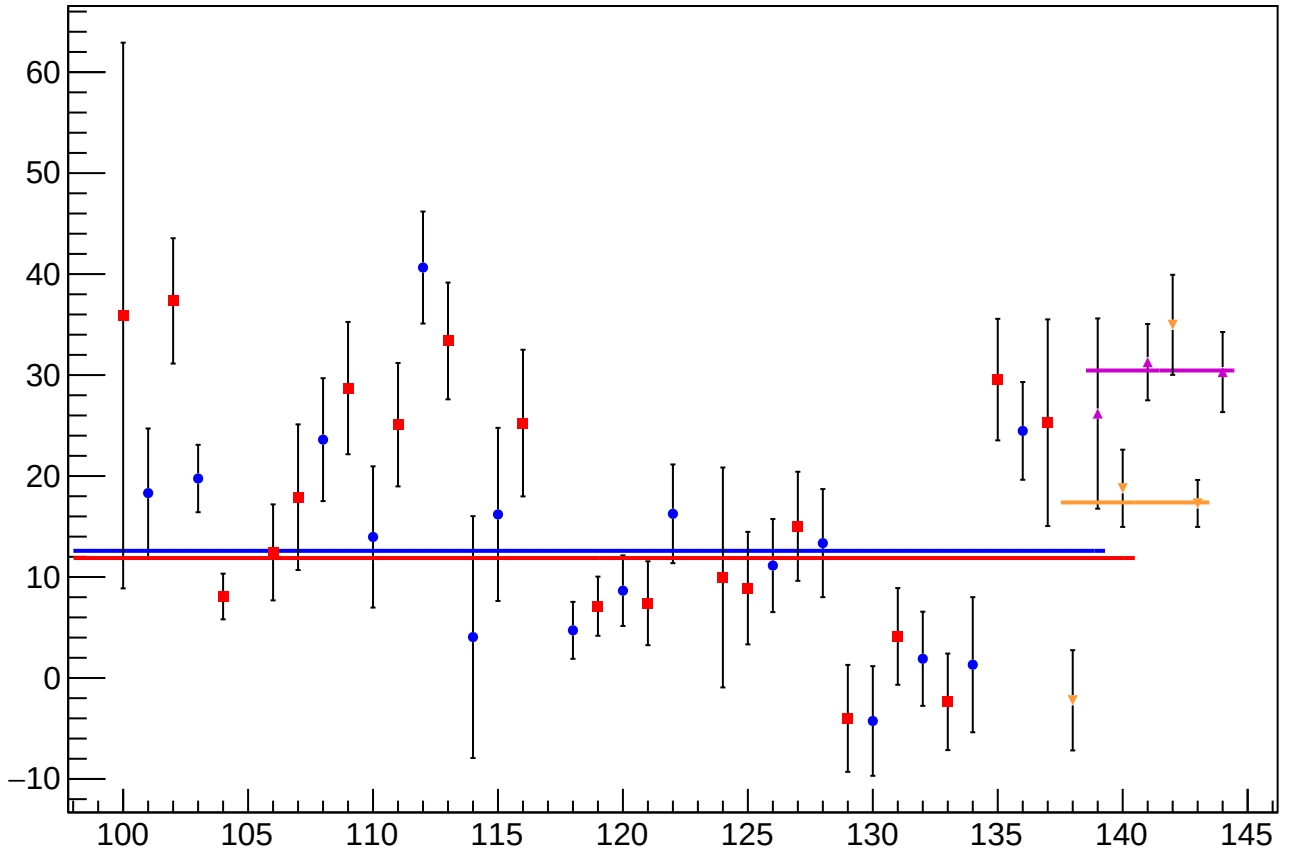
Left: -231.243+/-1.799 χ^2/NDF: 1203.6/6

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -217.307+/-1.104 χ^2/NDF:4834.8/18

Out: -193.314+/-1.003 χ^2/NDF:5474.8/22

All: -204.161+/-0.742 χ^2/NDF: 10568.4/41



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 17.383+/-1.729 χ^2/NDF:28.3/3

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 30.452+/-2.629 χ^2/NDF:0.3/2

Left: 21.329+/-1.444 χ^2/NDF: 45.8/6

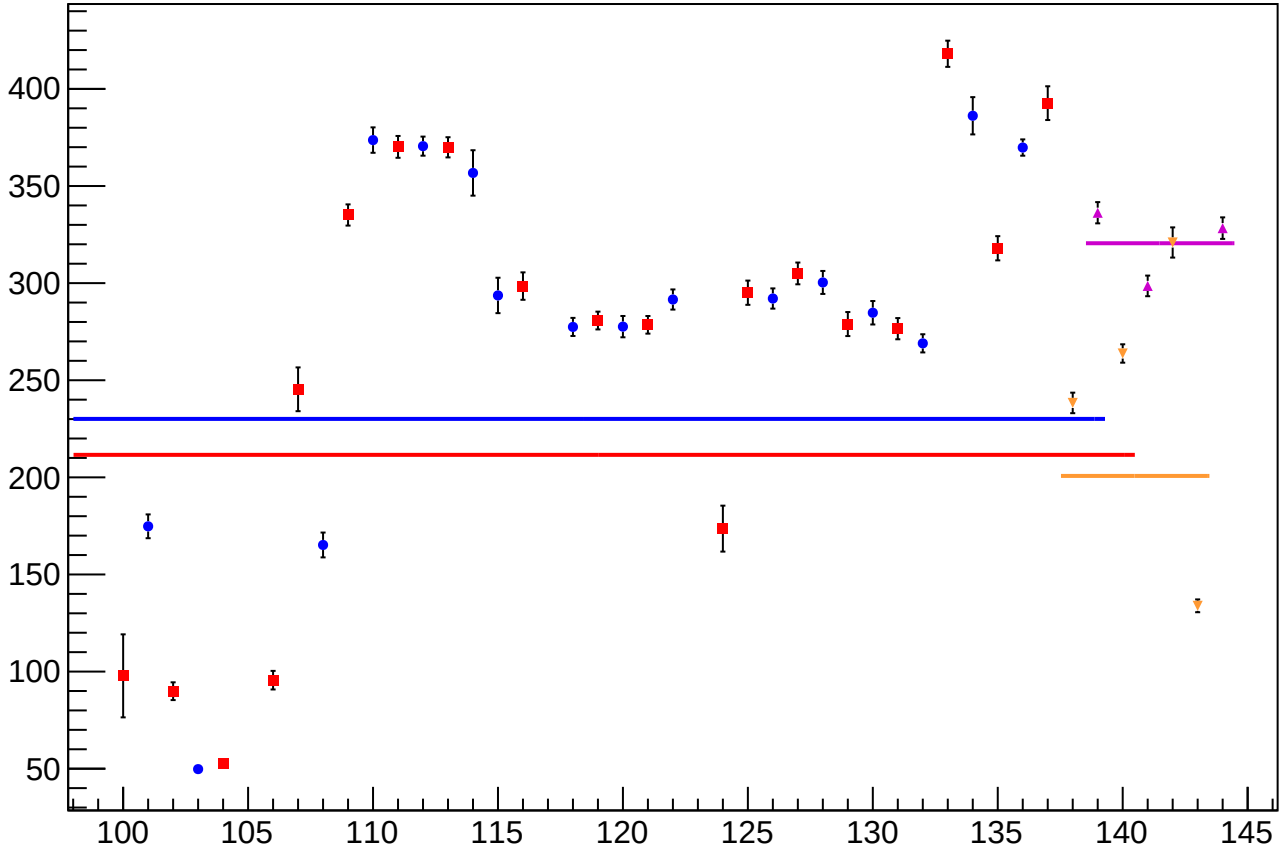
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 15.684+/-1.094 χ^2/NDF:106.9/18

Out: 13.510+/-0.941 χ^2/NDF:120.4/22

All: 14.435+/-0.713 χ^2/NDF: 229.6/41

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: 200.738+/-2.301 χ^2/NDF:877.7/3

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 320.536+/-3.140 χ^2/NDF:27.3/2

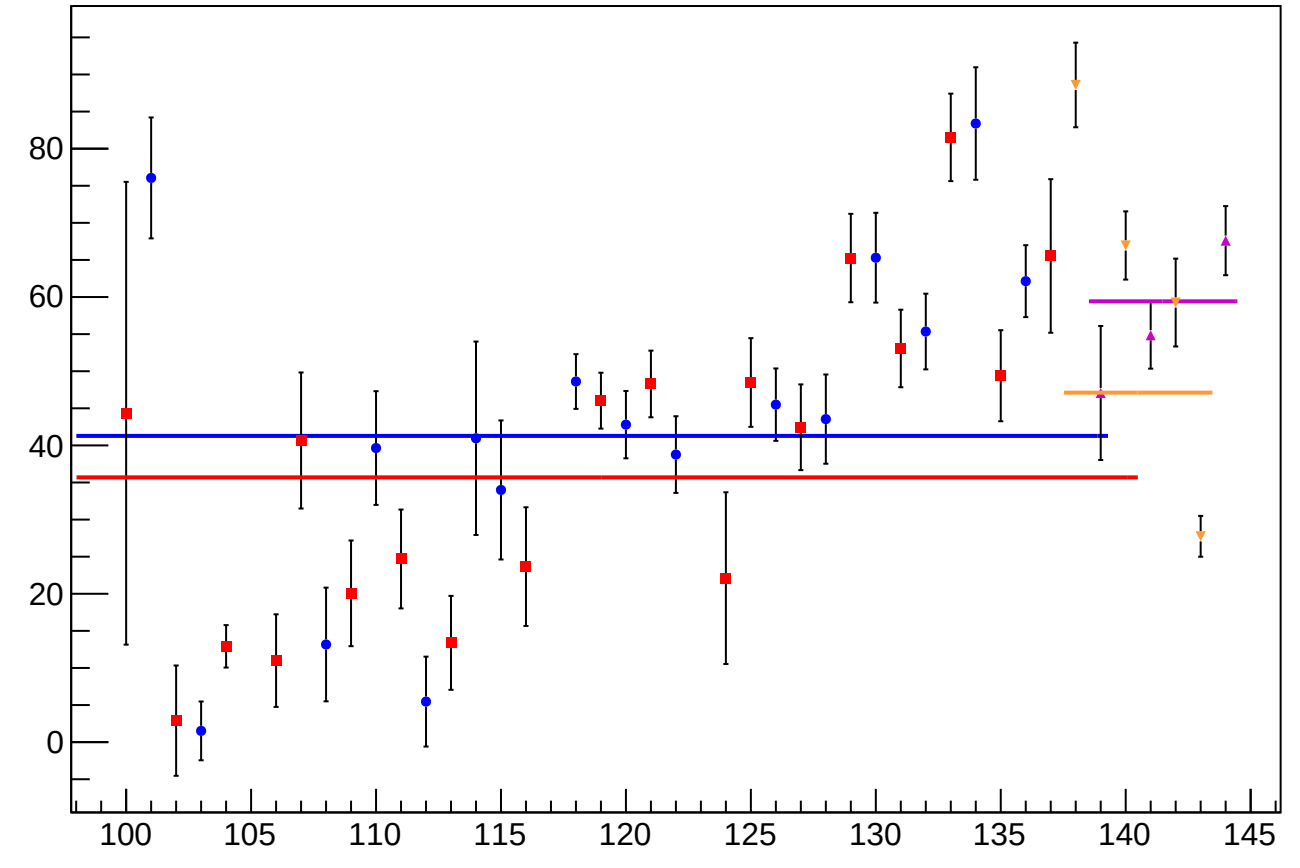
Left: 242.592+/-1.856 χ^2/NDF: 1851.9/6

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 242.629+/-1.169 χ^2/NDF:10117.4/18

Out: 209.283+/-1.061 χ^2/NDF:12367.4/22

All: 224.340+/-0.786 χ^2/NDF: 22931.0/41



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 47.112+/-2.047 χ^2/NDF:125.3/3

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 59.424+/-3.047 χ^2/NDF:6.0/2

Left: 50.939+/-1.699 χ^2/NDF: 142.5/6

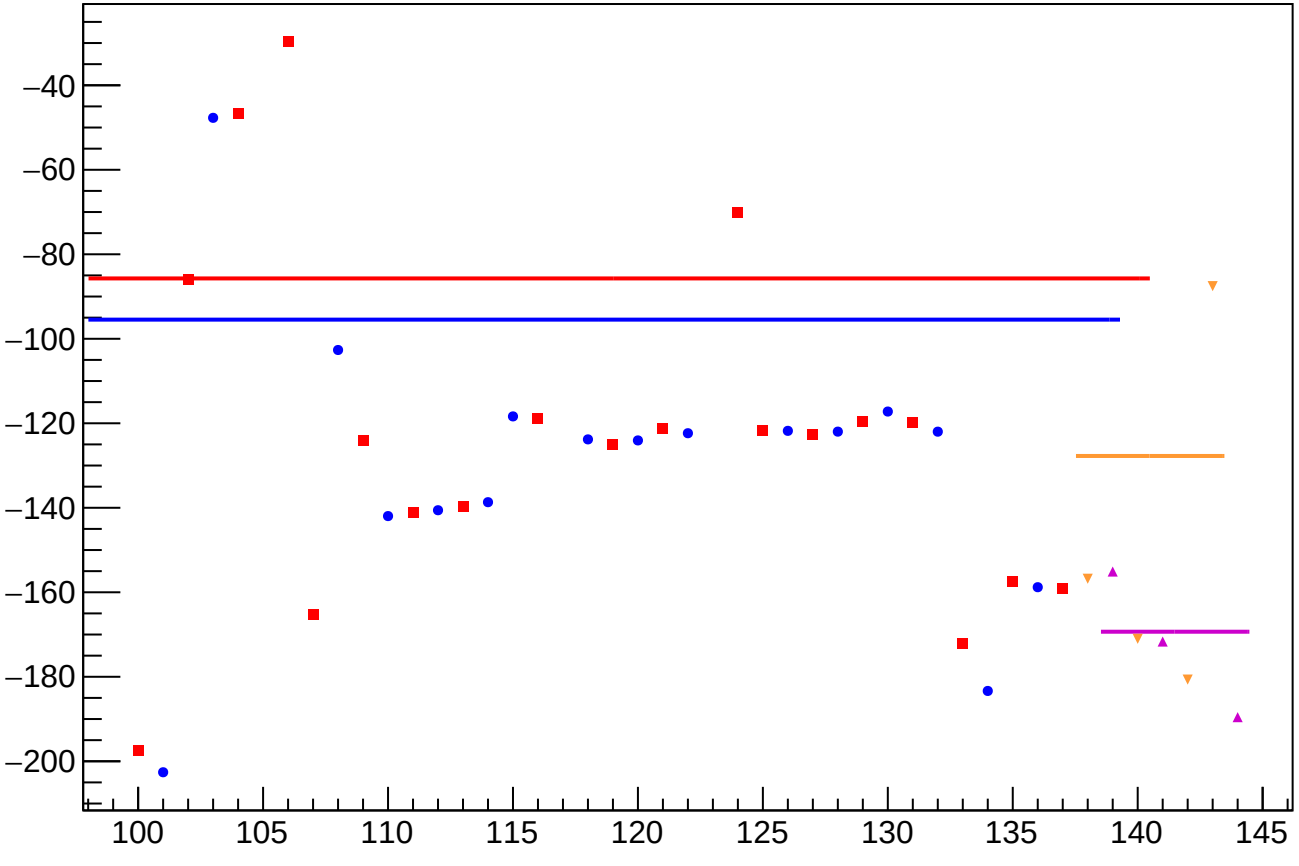
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 44.434+/-1.270 χ^2/NDF:281.0/18

Out: 39.036+/-1.107 χ^2/NDF:400.5/22

All: 41.367+/-0.835 χ^2/NDF: 691.8/41

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -127.737+/-0.097 χ^2/NDF:173662.3/3

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -169.335+/-0.125 χ^2/NDF:12084.5/2

Left: -143.217+/-0.077 χ^2/NDF: 254827.4/6

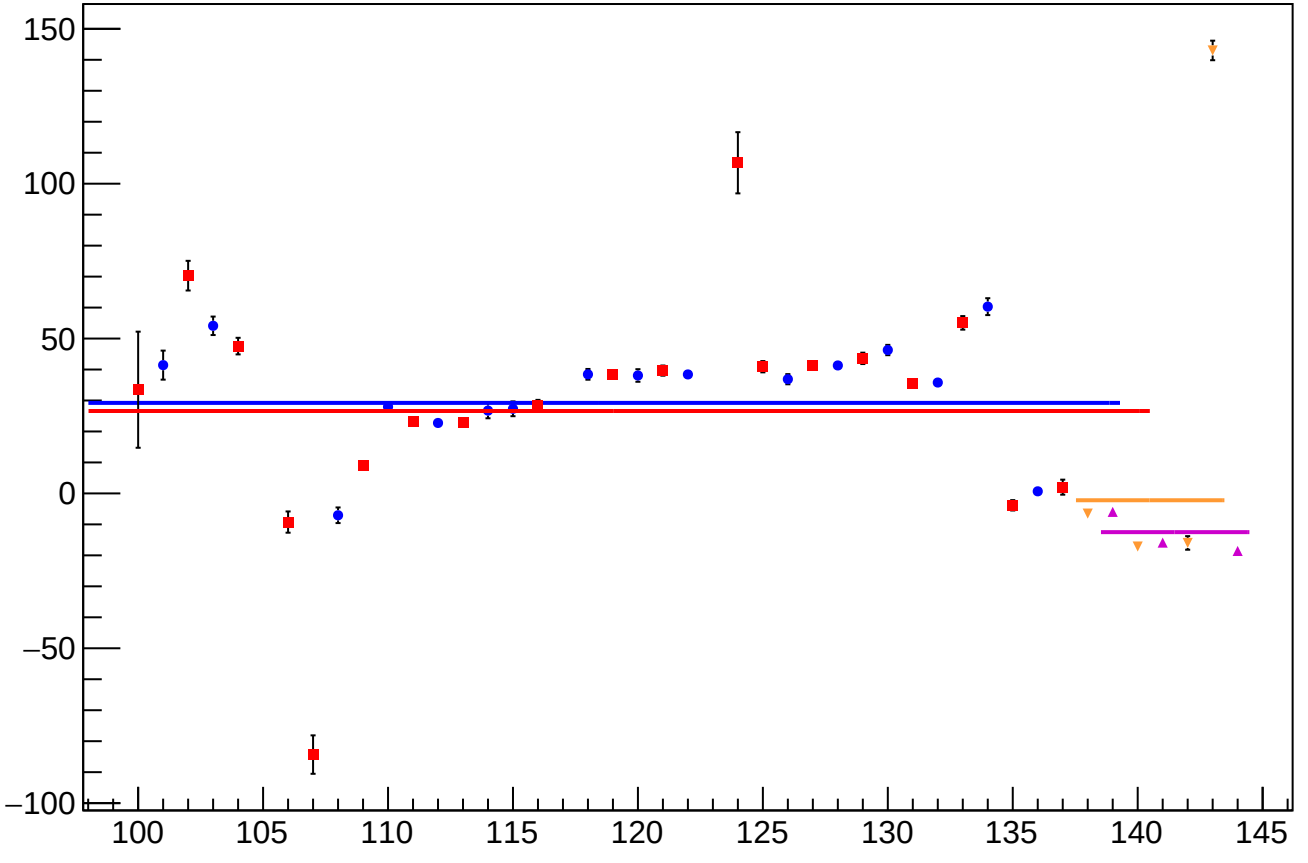
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -112.806+/-0.061 χ^2/NDF:797544.6/18

Out: -99.360+/-0.055 χ^2/NDF:784181.7/22

All: -105.418+/-0.041 χ^2/NDF: 1608634.6/41

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.211+/-0.805 χ^2/NDF:2303.5/3

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.505+/-0.793 χ^2/NDF:50.7/2

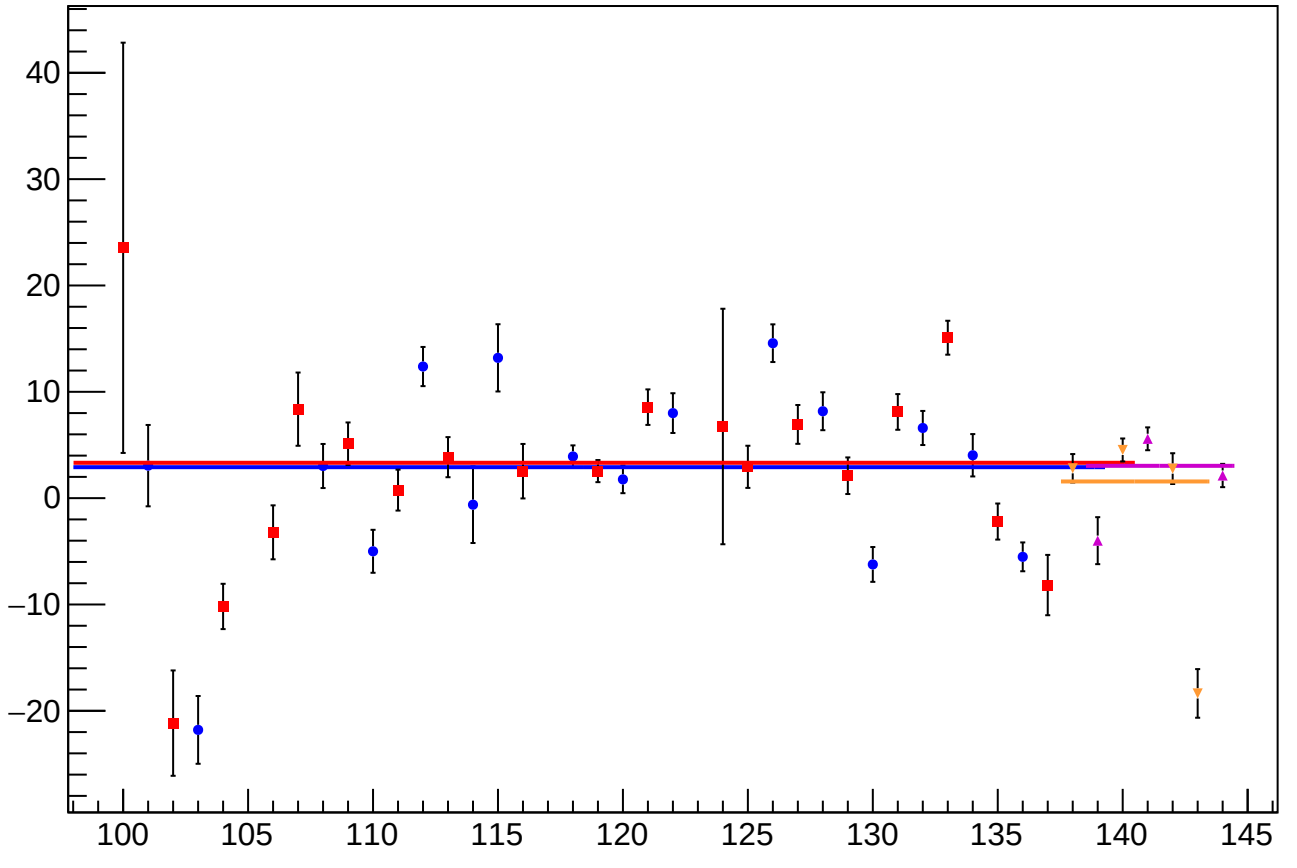
Left: -7.436+/-0.565 χ^2/NDF: 2437.3/6

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 19.932+/-0.374 χ^2/NDF:3549.0/18

Out: 20.575+/-0.368 χ^2/NDF:5238.2/22

All: 20.259+/-0.262 χ^2/NDF: 8788.7/41



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.569+/-0.692 χ^2/NDF:85.0/3

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.040+/-0.724 χ^2/NDF:16.4/2

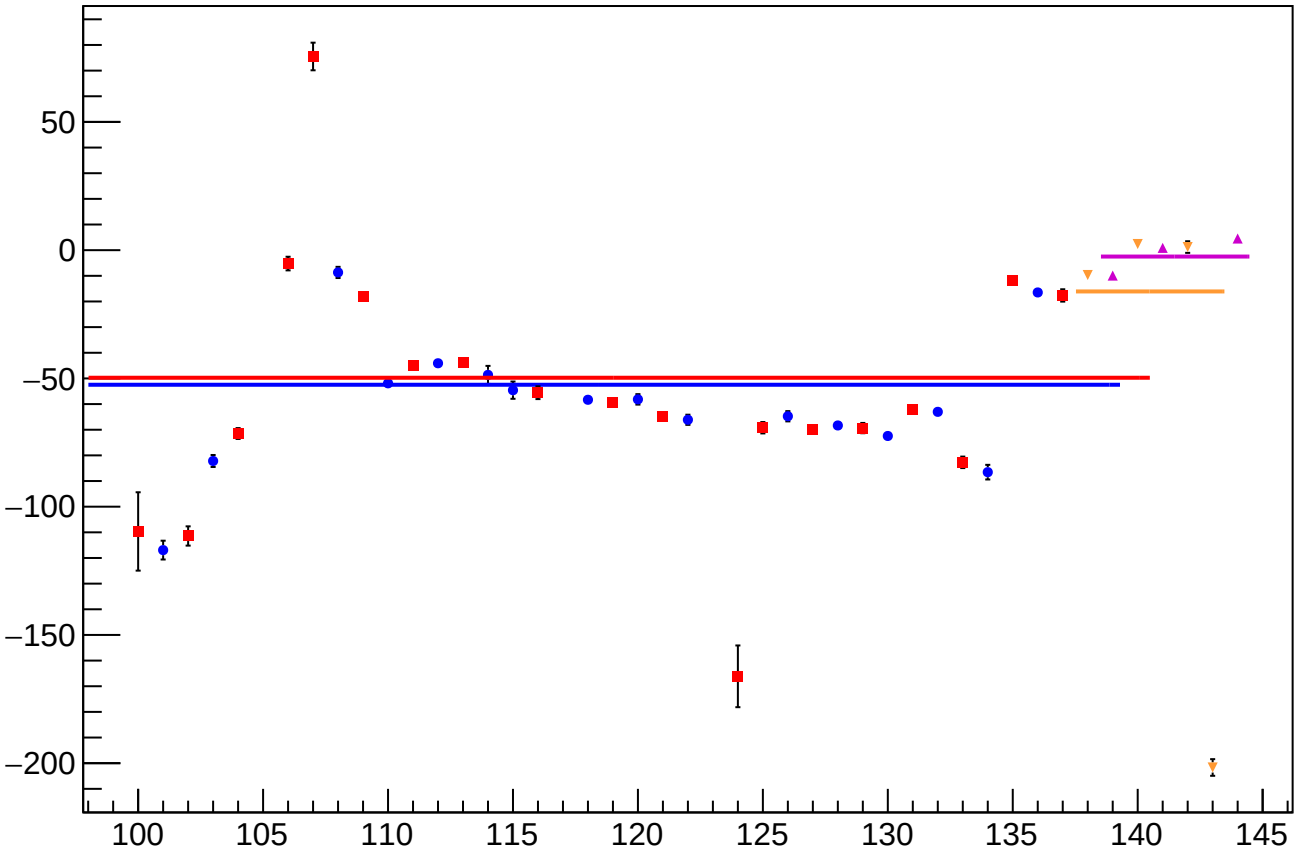
Left: 2.271+/-0.501 χ^2/NDF: 103.6/6

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.947+/-0.378 χ^2/NDF:266.4/18

Out: 2.798+/-0.379 χ^2/NDF:271.3/22

All: 2.873+/-0.268 χ^2/NDF: 537.8/41



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -16.092+/-0.833 χ^2/NDF:3547.4/3

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -2.487+/-0.819 χ^2/NDF:60.1/2

Left: -9.176+/-0.584 χ^2/NDF: 3743.2/6

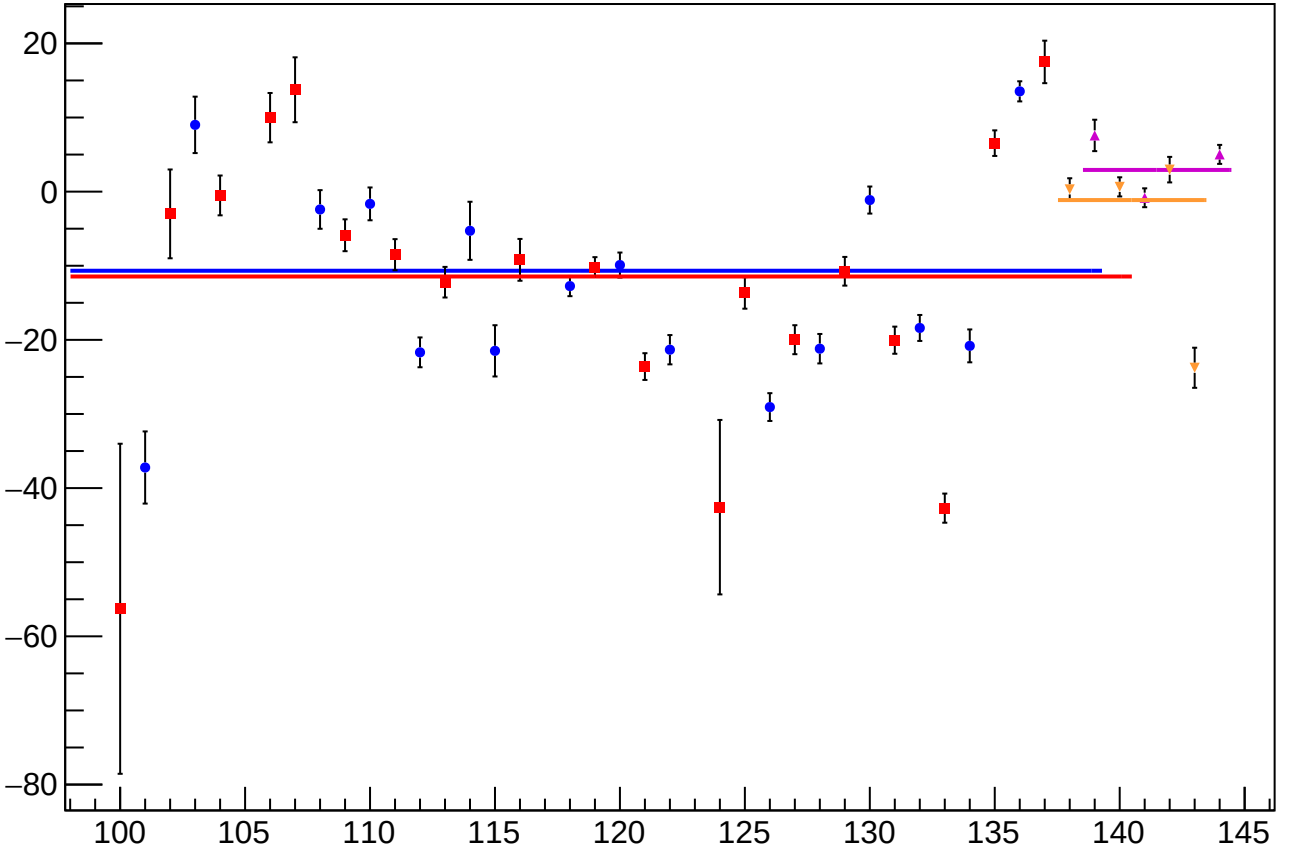
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -39.387+/-0.419 χ^2/NDF:5138.0/18

Out: -40.981+/-0.425 χ^2/NDF:7763.6/22

All: -40.173+/-0.298 χ^2/NDF: 12908.7/41

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: -1.138+/-0.812 χ^2/NDF:78.5/3

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.927+/-0.831 χ^2/NDF:16.2/2

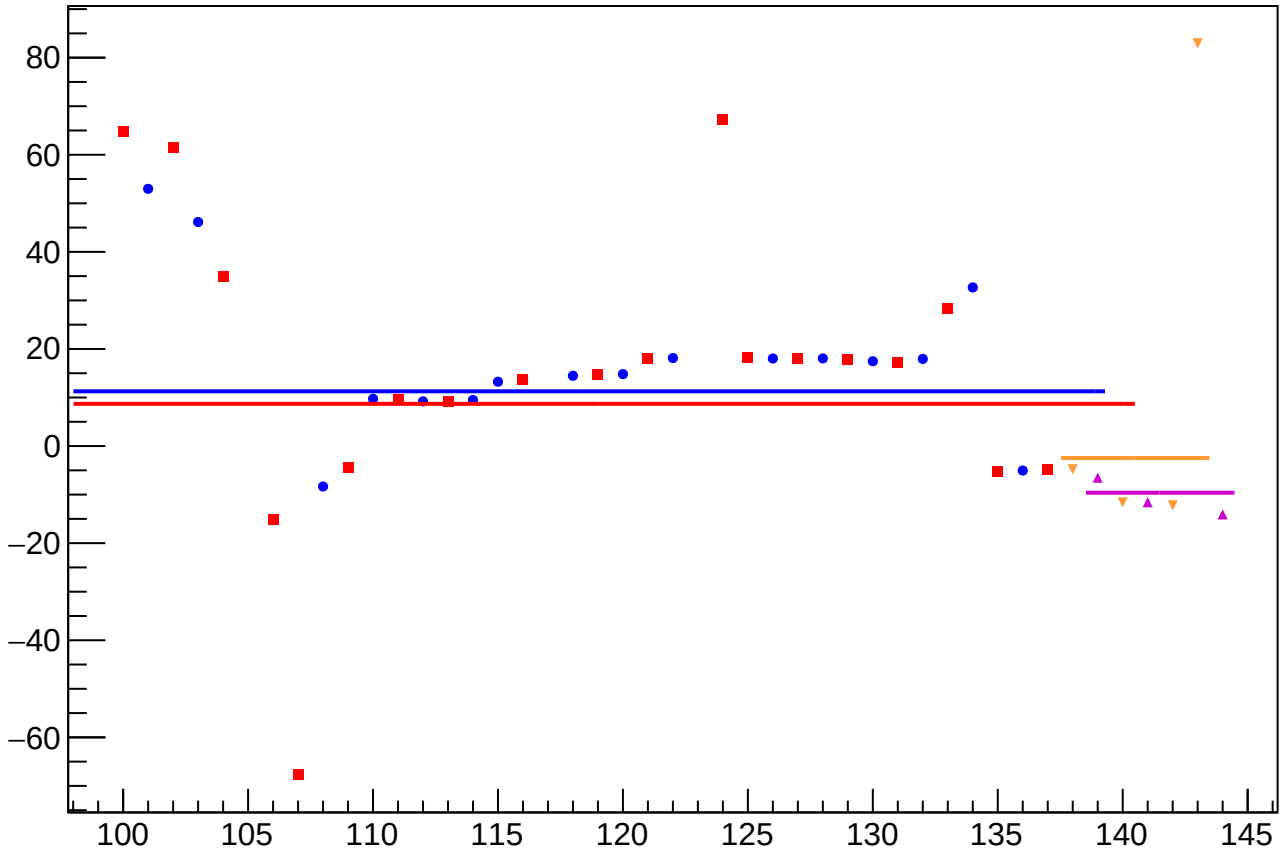
Left: 0.848+/-0.581 χ^2/NDF: 106.9/6

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -7.000+/-0.432 χ^2/NDF:878.3/18

Out: -8.482+/-0.436 χ^2/NDF:859.1/22

All: -7.735+/-0.307 χ^2/NDF: 1743.2/41



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.611+/-0.032 χ^2/NDF:9957.1/2

Left: -6.285+/-0.024 χ^2/NDF: 469838.2/6

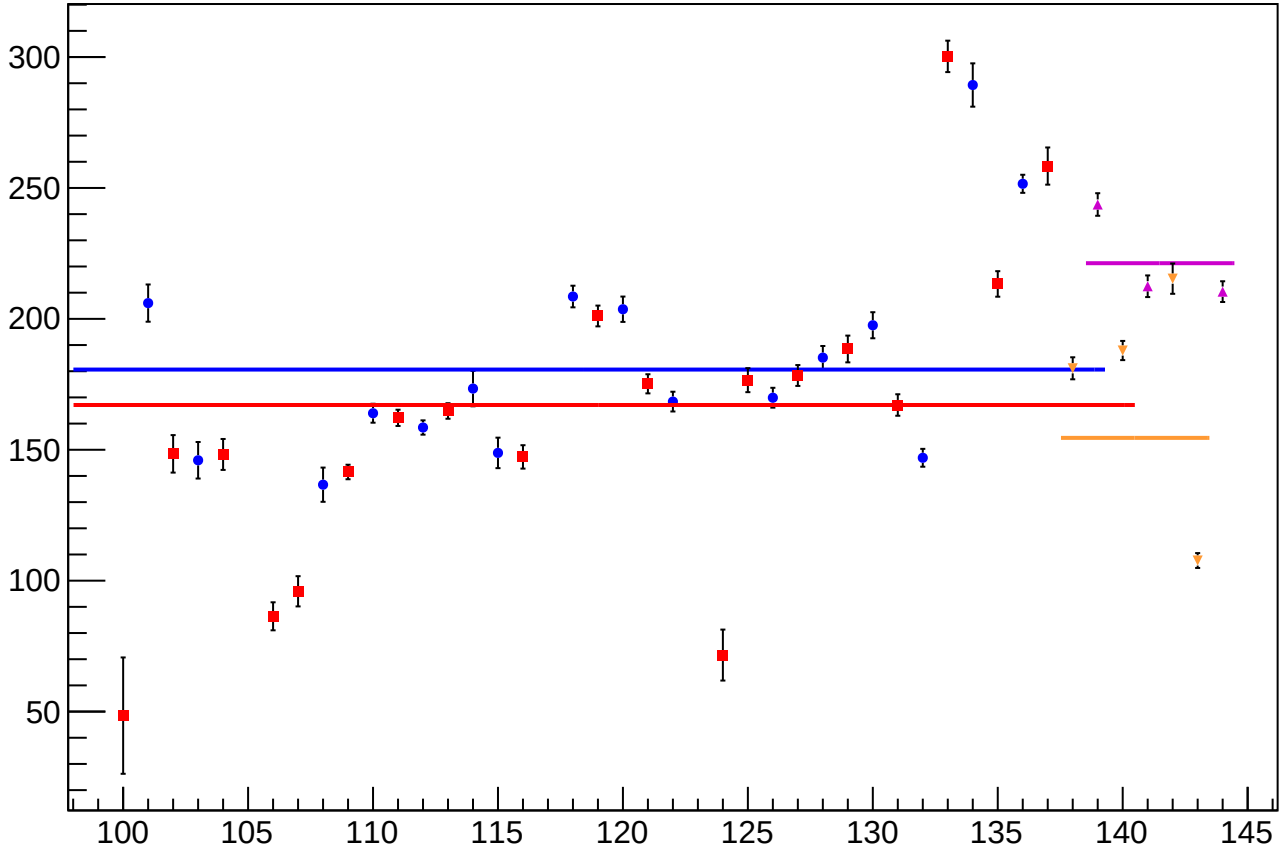
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 1.589+/-0.022 χ^2/NDF:585311.4/18

Out: 3.638+/-0.023 χ^2/NDF:930261.2/22

All: 2.554+/-0.016 χ^2/NDF: 1519689.5/41

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: 154.542+/-1.874 χ^2/NDF:504.9/3

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

Left: 180.038+/-1.473 χ^2/NDF: 1028.2/6

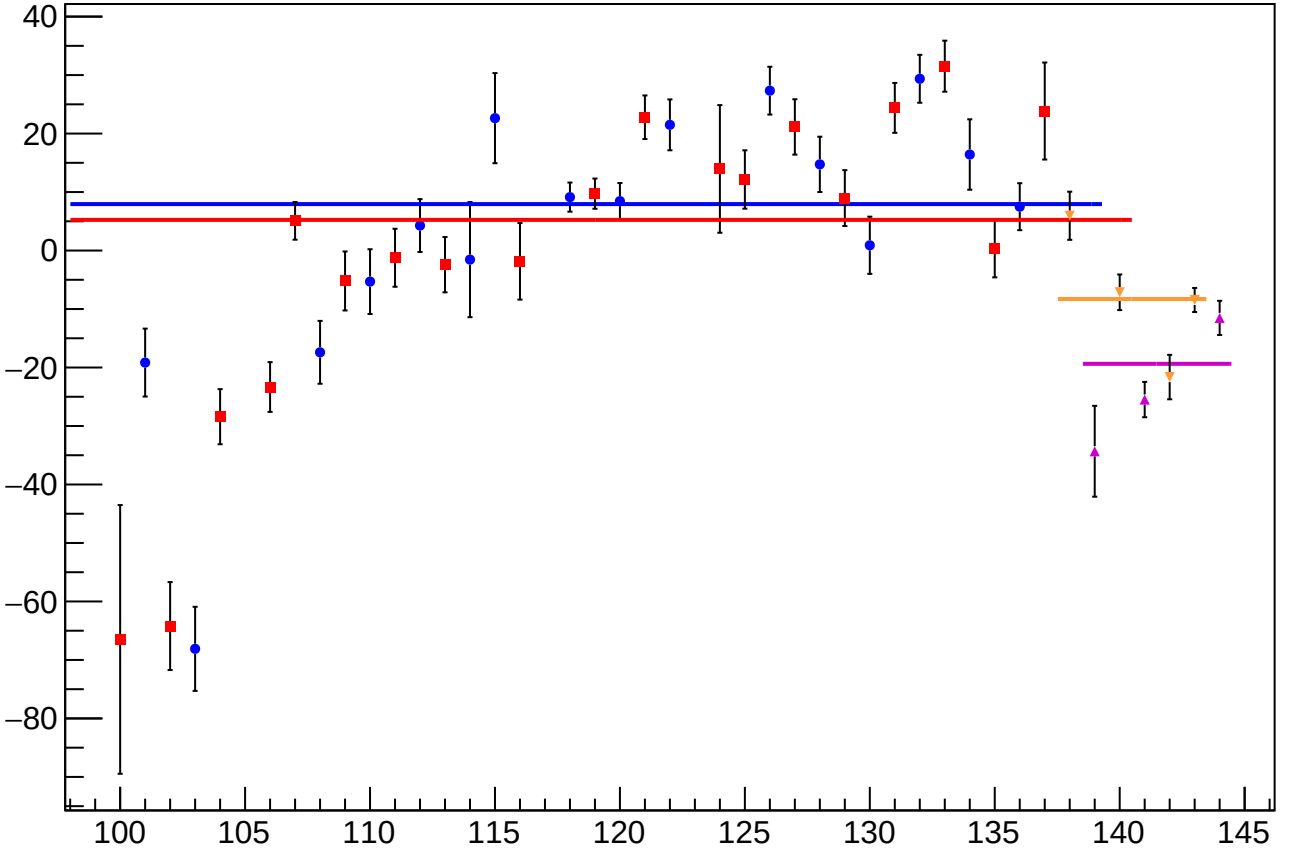
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 187.658+/-0.991 χ^2/NDF:1272.9/18

Out: 164.229+/-0.896 χ^2/NDF:2024.1/22

All: 174.773+/-0.665 χ^2/NDF: 3604.3/41

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

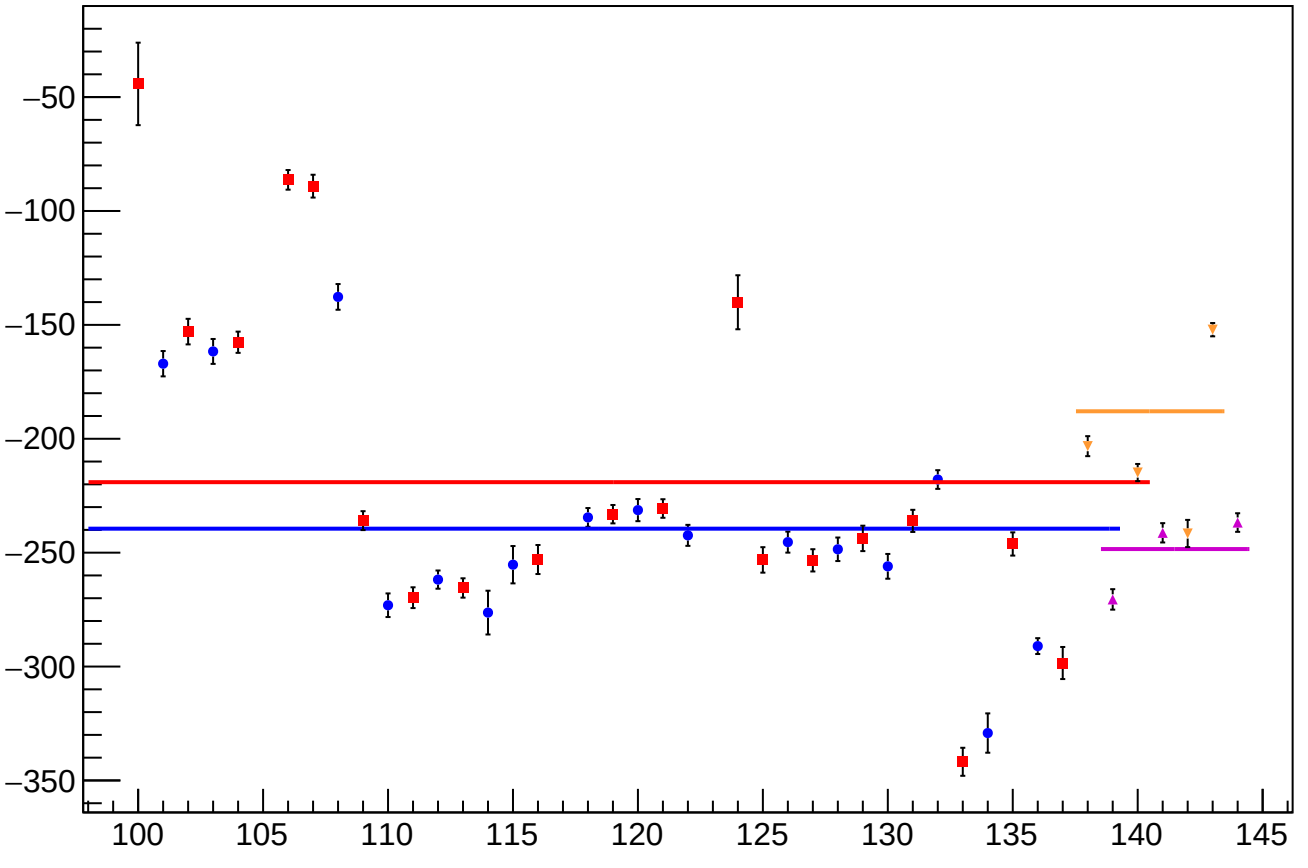
Left: -12.052+/-1.183 χ^2/NDF: 59.1/6

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.619+/-0.976 χ^2/NDF:387.2/18

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.015+/-0.644 χ^2/NDF: 771.6/41



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -248.416+/-2.460 χ^2/NDF:35.2/2

Left: -211.024+/-1.520 χ^2/NDF: 702.9/6

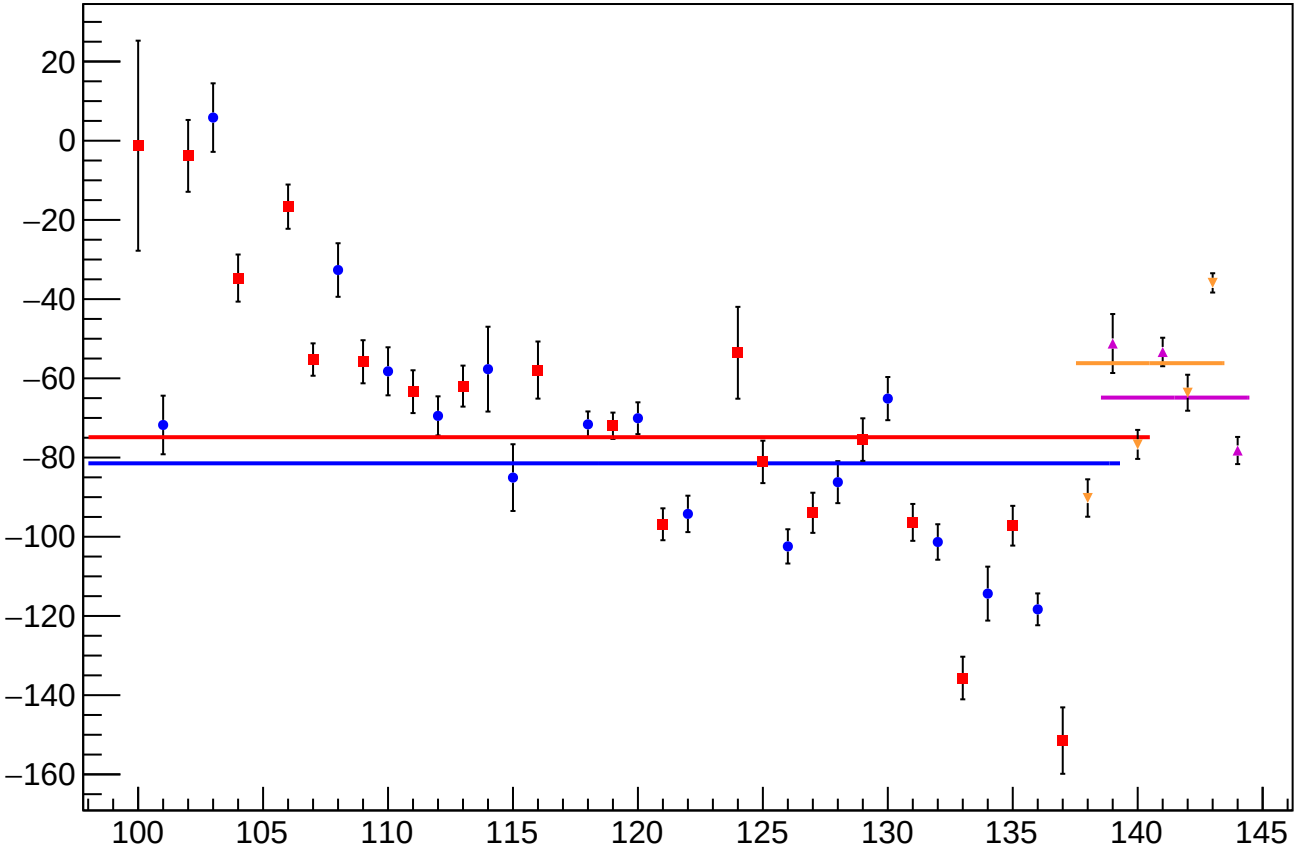
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.293+/-1.111 χ^2/NDF:1207.9/18

Out: -210.646+/-1.005 χ^2/NDF:3532.5/22

All: -224.435+/-0.745 χ^2/NDF: 5158.9/41

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

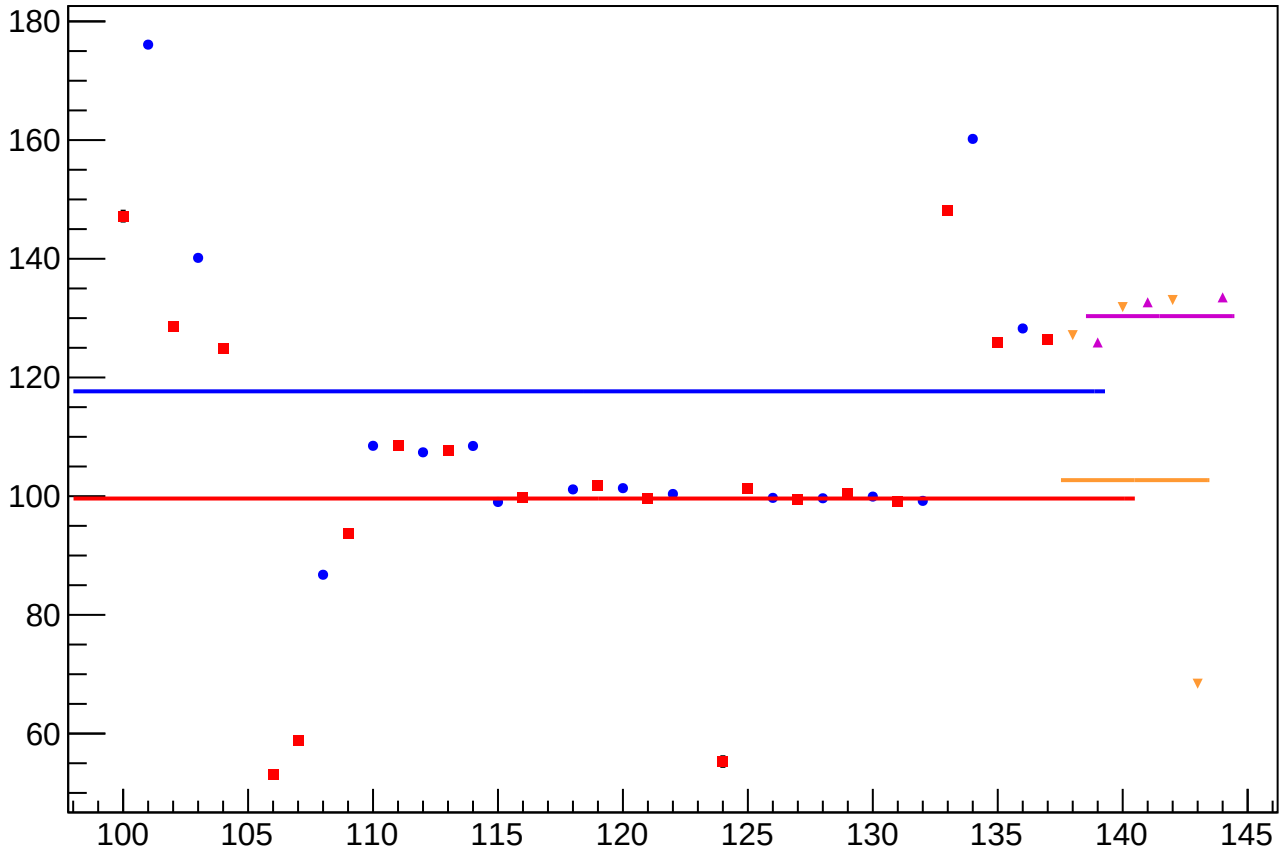
Left: -59.207+/-1.391 χ^2/NDF: 192.9/6

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.643+/-1.129 χ^2/NDF:433.6/18

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.558+/-0.749 χ^2/NDF: 1279.5/41



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

Left: 113.812+/-0.063 χ^2/NDF: 191881.1/6

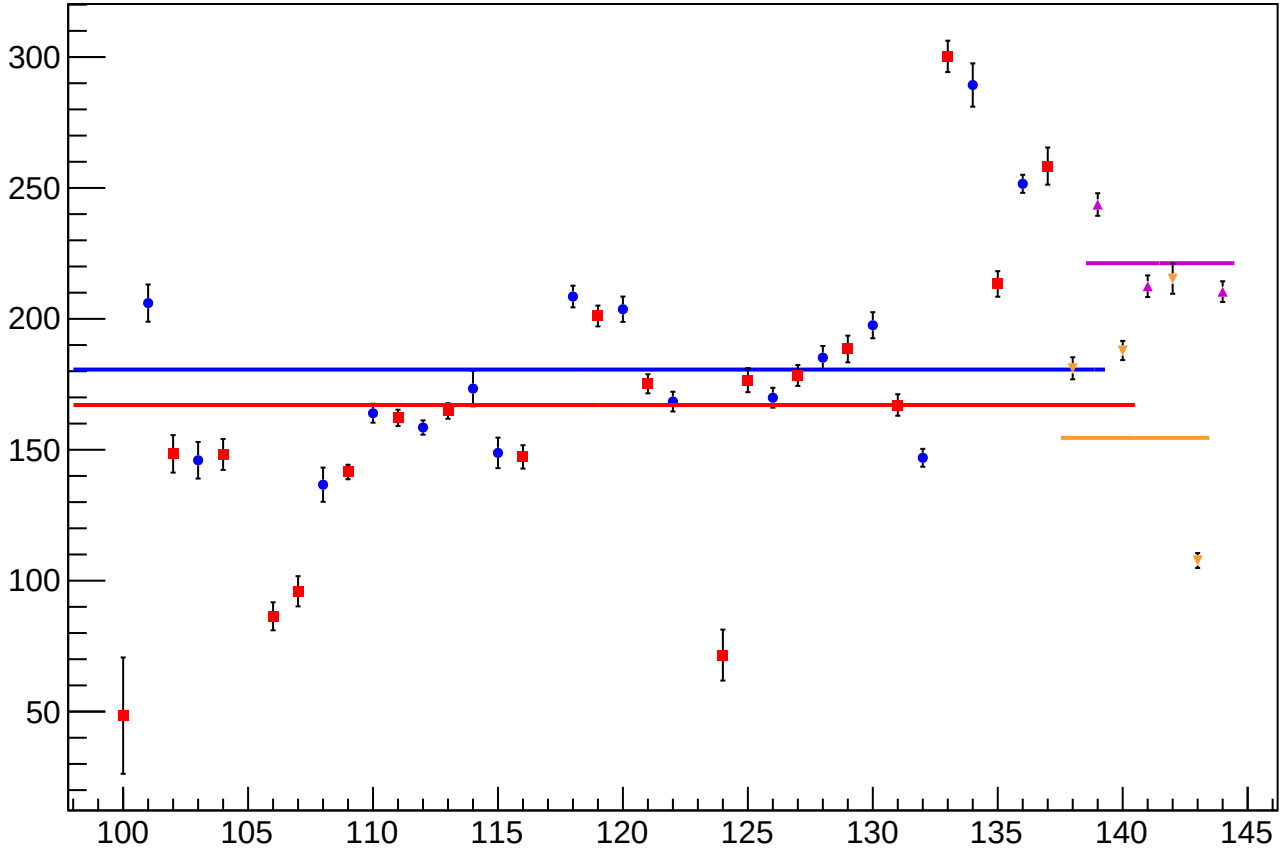
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.537+/-0.061 χ^2/NDF:106721.9/18

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 110.186+/-0.040 χ^2/NDF: 488640.9/41

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: 154.542+/-1.874 χ^2/NDF:504.9/3

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 221.260+/-2.383 χ^2/NDF:39.1/2

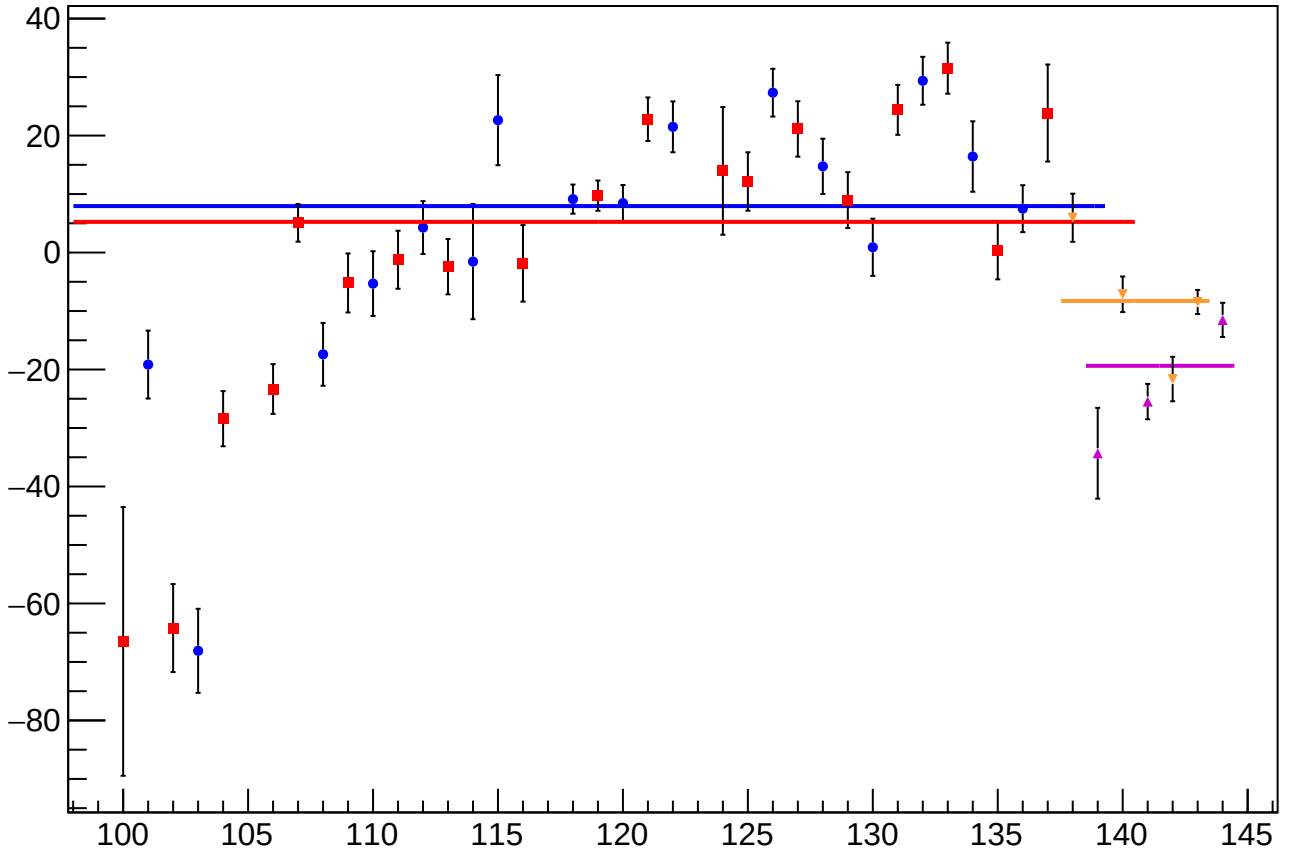
Left: 180.038+/-1.473 χ^2/NDF: 1028.2/6

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 187.658+/-0.991 χ^2/NDF:1272.9/18

Out: 164.229+/-0.896 χ^2/NDF:2024.1/22

All: 174.773+/-0.665 χ^2/NDF: 3604.3/41



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -19.365+/-2.028 χ^2/NDF:15.0/2

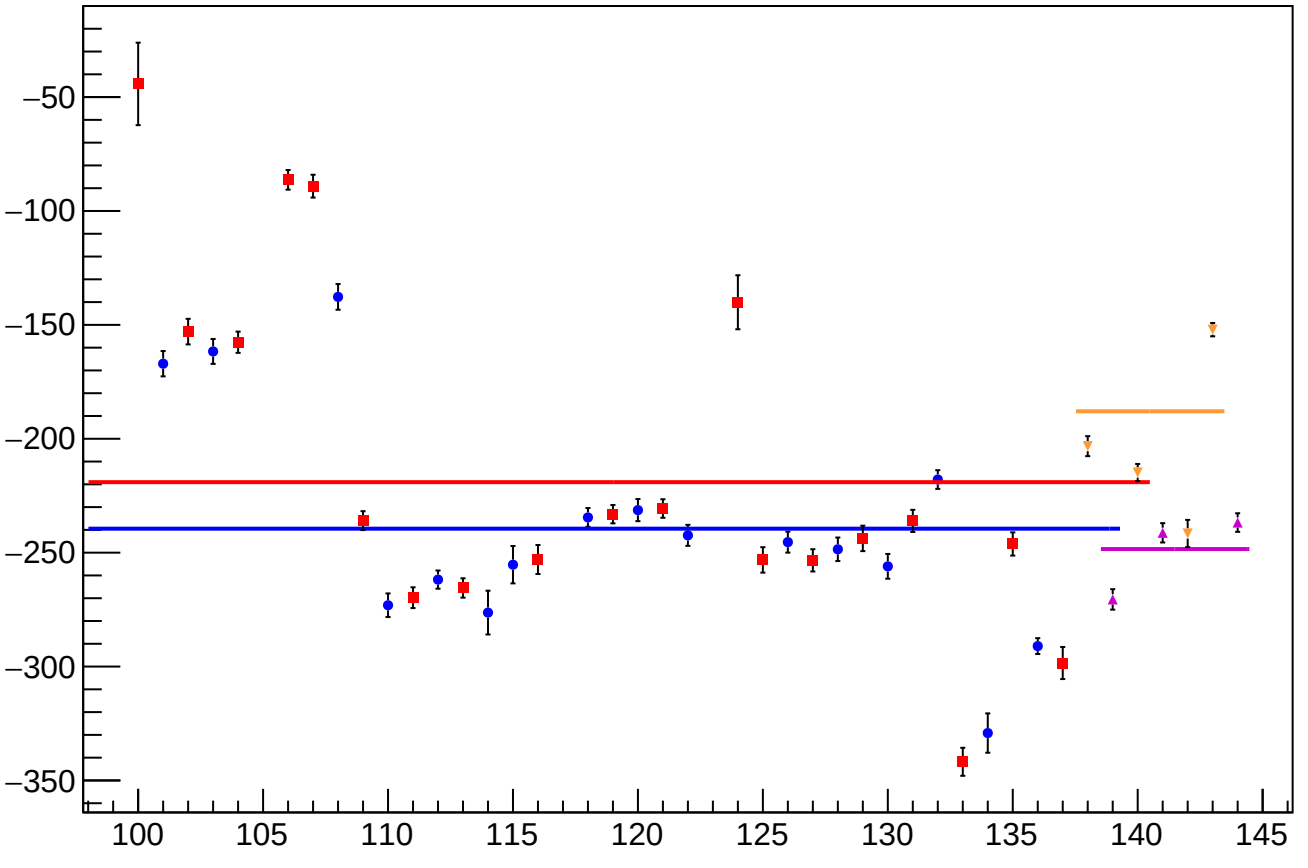
Left: -12.052+/-1.183 χ^2/NDF: 59.1/6

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.619+/-0.976 χ^2/NDF:387.2/18

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.015+/-0.644 χ^2/NDF: 771.6/41



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -248.416+/-2.460 χ^2/NDF:35.2/2

Left: -211.024+/-1.520 χ^2/NDF: 702.9/6

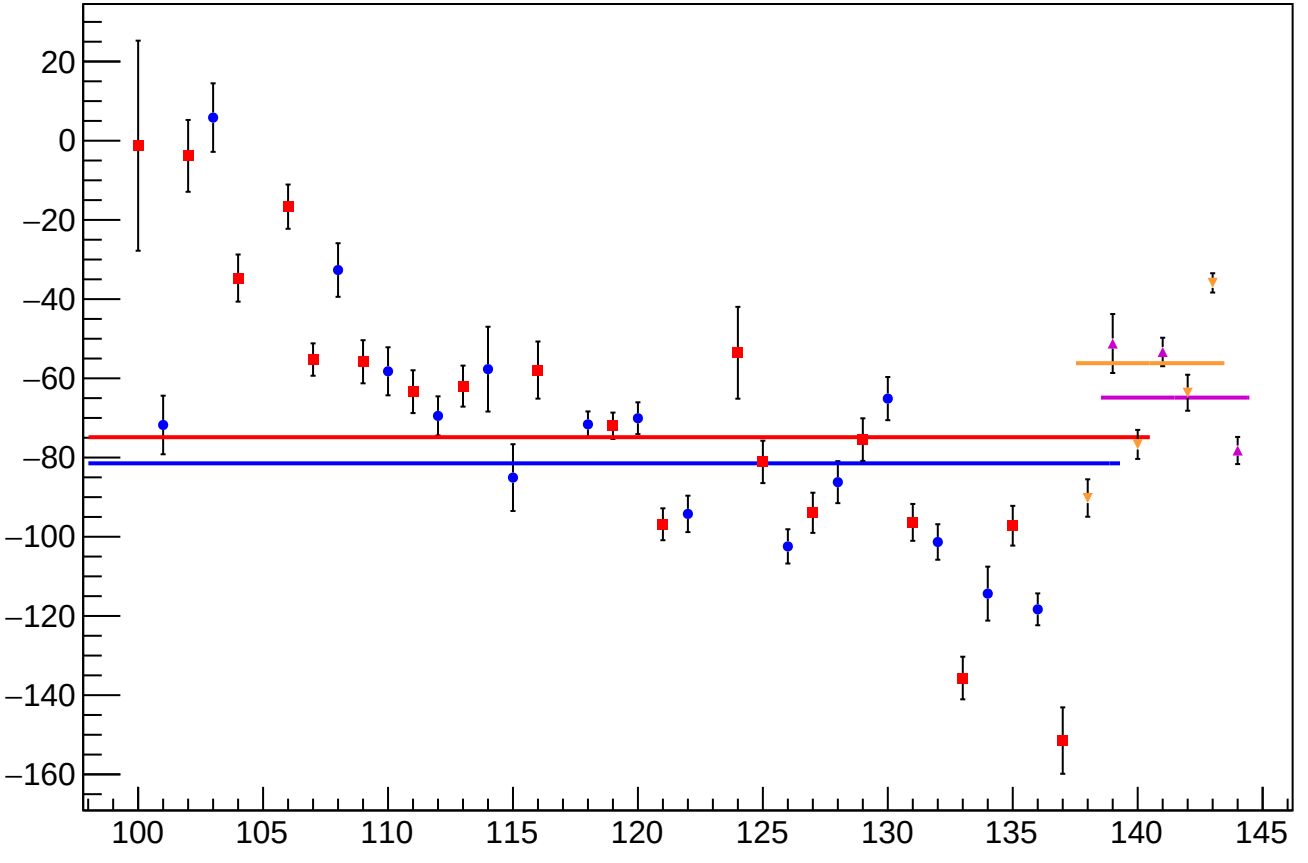
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.293+/-1.111 χ^2/NDF:1207.9/18

Out: -210.646+/-1.005 χ^2/NDF:3532.5/22

All: -224.435+/-0.745 χ^2/NDF: 5158.9/41

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: -56.172+/-1.724 χ^2/NDF:155.2/3

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.863+/-2.354 χ^2/NDF:28.8/2

Left: -59.207+/-1.391 χ^2/NDF: 192.9/6

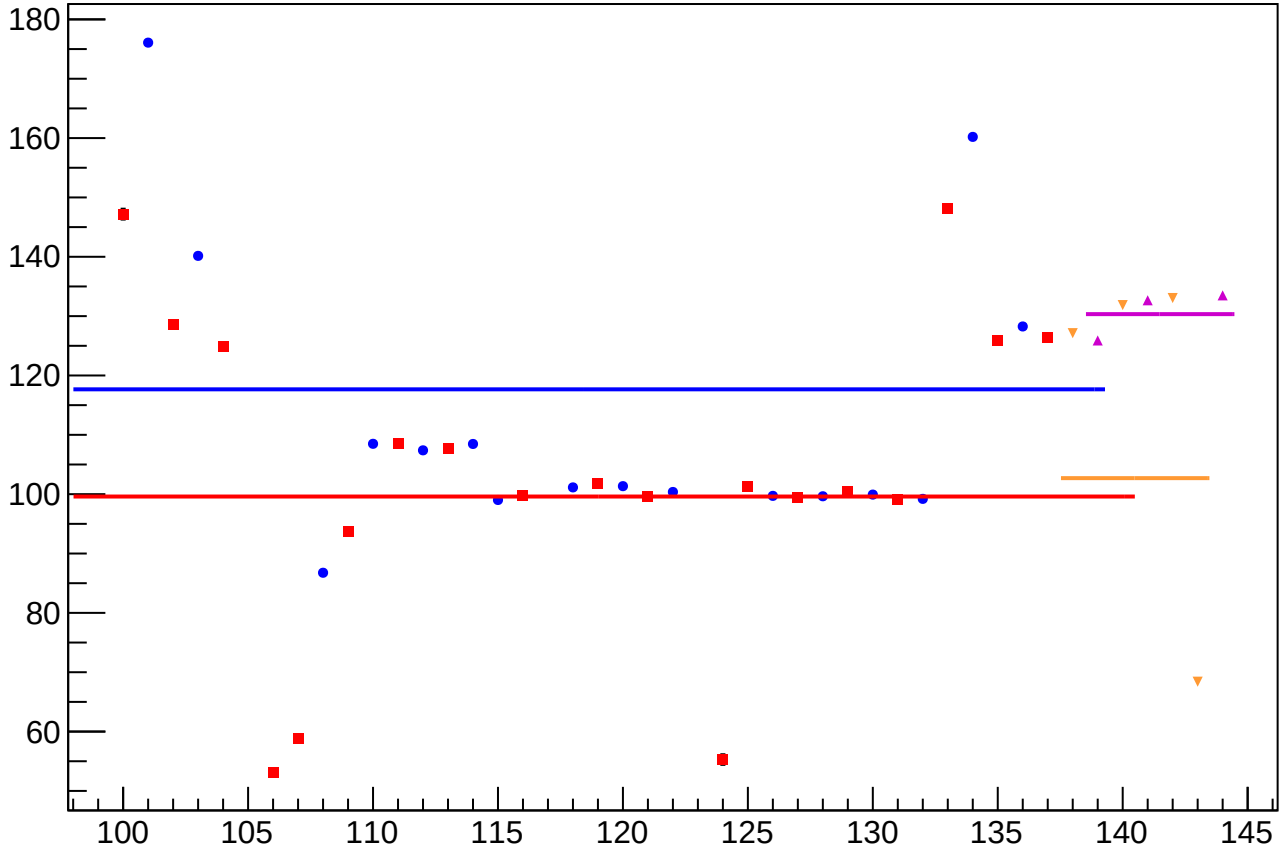
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.643+/-1.129 χ^2/NDF:433.6/18

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.558+/-0.749 χ^2/NDF: 1279.5/41

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: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 130.338+/-0.099 χ^2/NDF:1245.3/2

Left: 113.812+/-0.063 χ^2/NDF: 191881.1/6

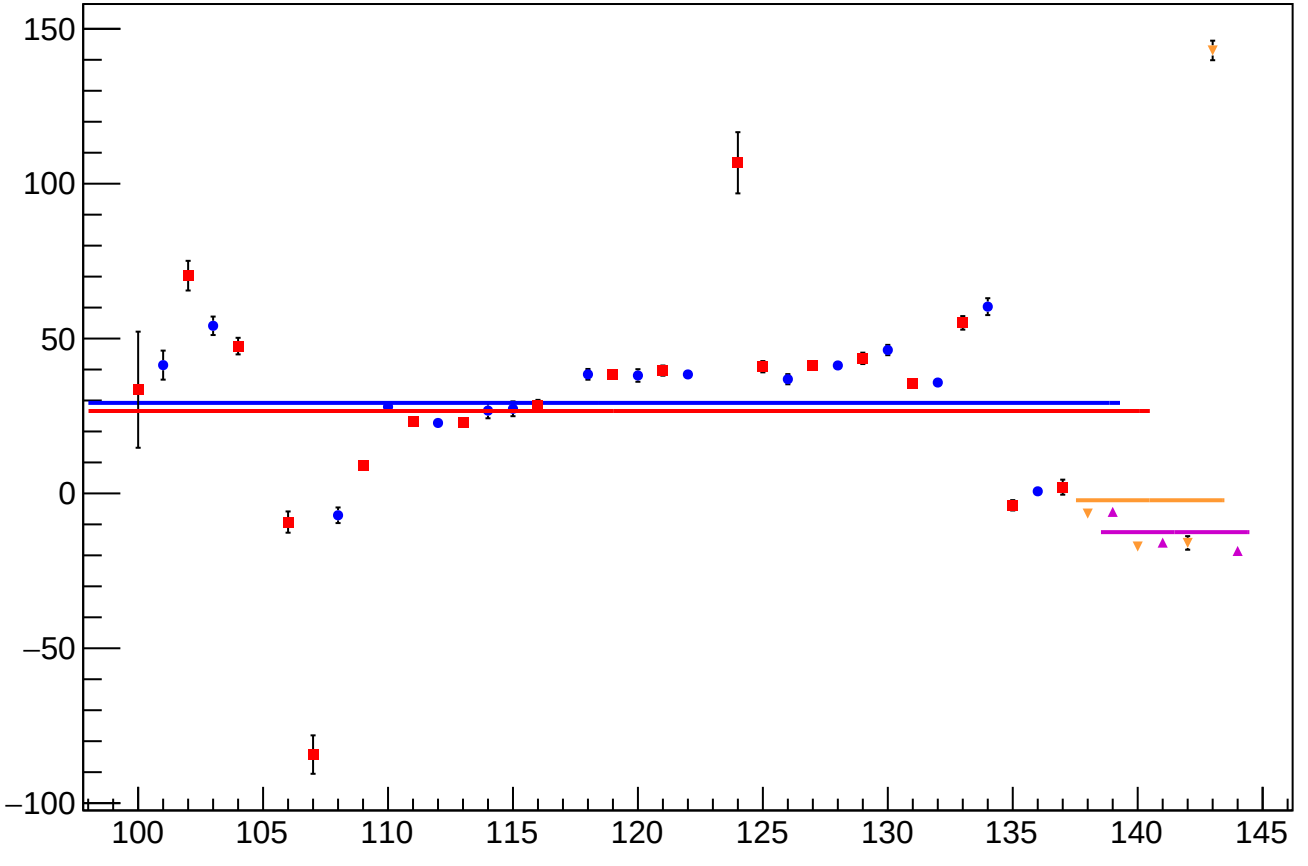
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.537+/-0.061 χ^2/NDF:106721.9/18

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 110.186+/-0.040 χ^2/NDF: 488640.9/41

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: -2.211+/-0.805 χ^2/NDF:2303.5/3

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.505+/-0.793 χ^2/NDF:50.7/2

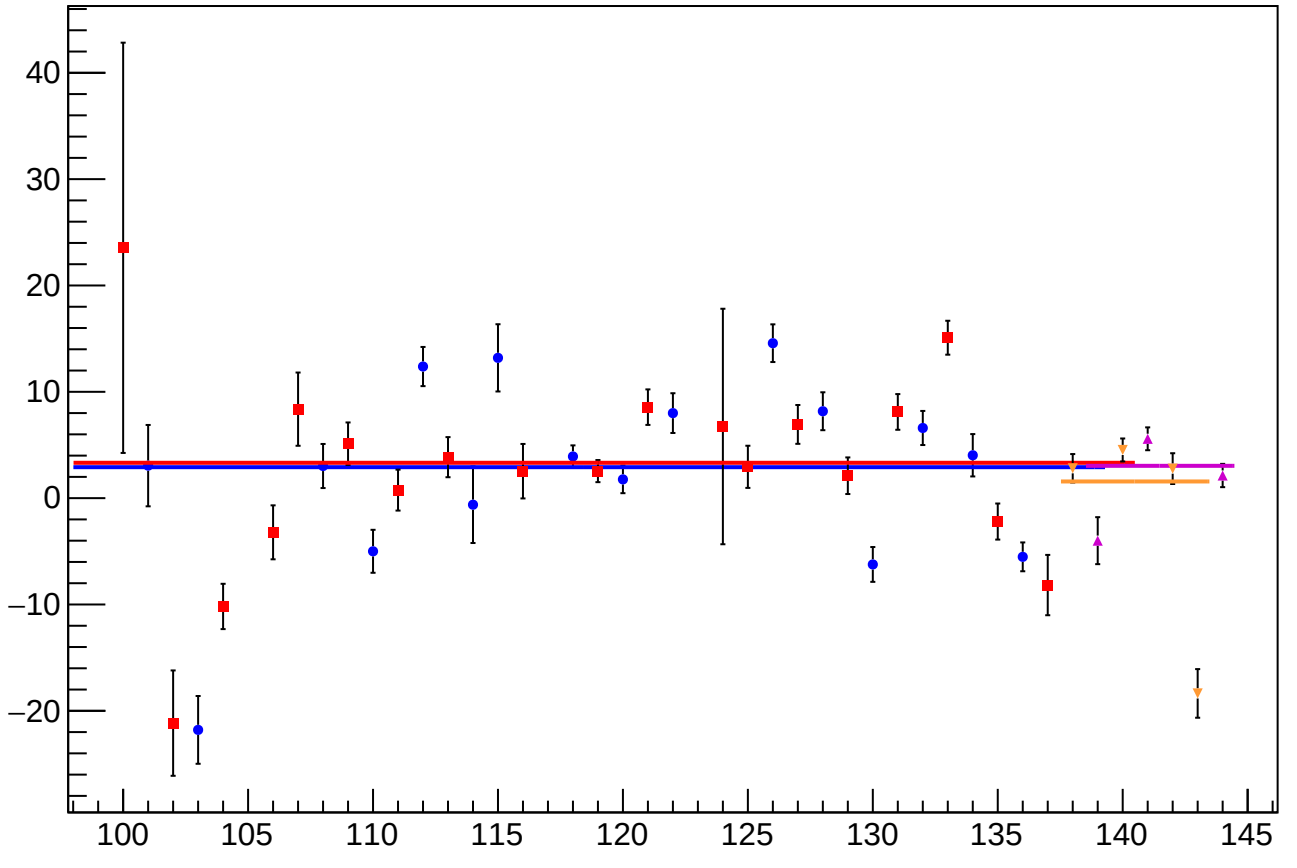
Left: -7.436+/-0.565 χ^2/NDF: 2437.3/6

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 19.932+/-0.374 χ^2/NDF:3549.0/18

Out: 20.575+/-0.368 χ^2/NDF:5238.2/22

All: 20.259+/-0.262 χ^2/NDF: 8788.7/41



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.569+/-0.692 χ^2/NDF:85.0/3

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.040+/-0.724 χ^2/NDF:16.4/2

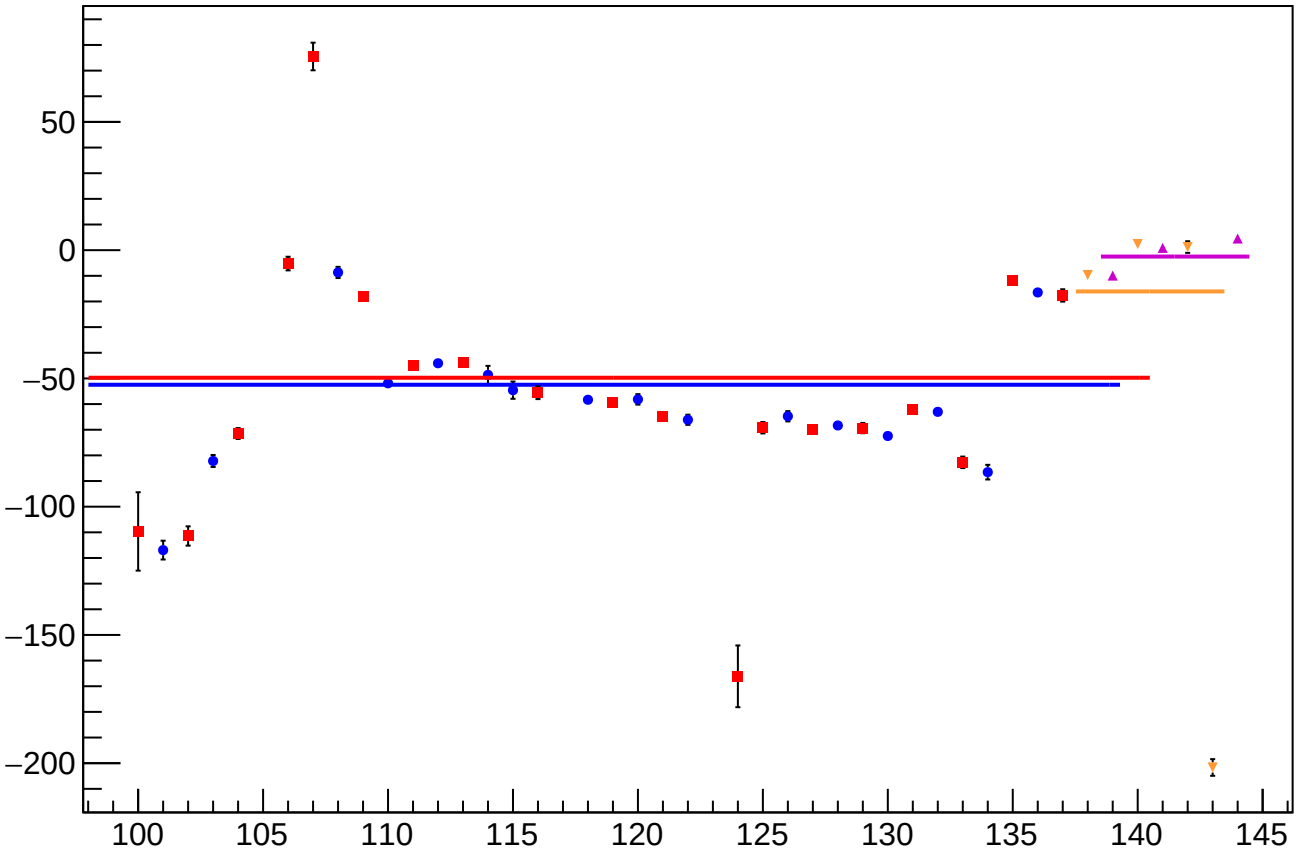
Left: 2.271+/-0.501 χ^2/NDF: 103.6/6

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.947+/-0.378 χ^2/NDF:266.4/18

Out: 2.798+/-0.379 χ^2/NDF:271.3/22

All: 2.873+/-0.268 χ^2/NDF: 537.8/41



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -16.092+/-0.833 χ^2/NDF:3547.4/3

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -2.487+/-0.819 χ^2/NDF:60.1/2

Left: -9.176+/-0.584 χ^2/NDF: 3743.2/6

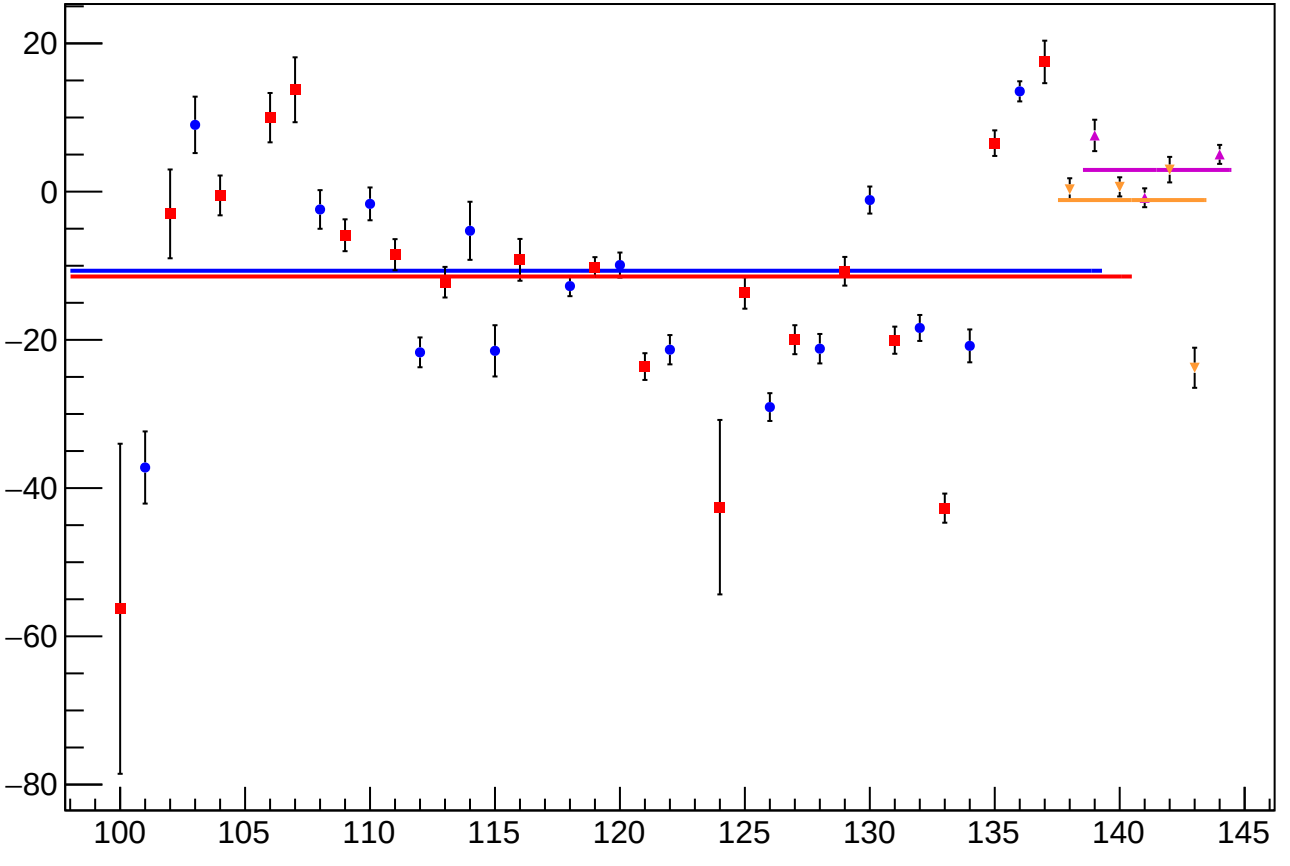
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -39.387+/-0.419 χ^2/NDF:5138.0/18

Out: -40.981+/-0.425 χ^2/NDF:7763.6/22

All: -40.173+/-0.298 χ^2/NDF: 12908.7/41

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: -1.138+/-0.812 χ^2/NDF:78.5/3

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.927+/-0.831 χ^2/NDF:16.2/2

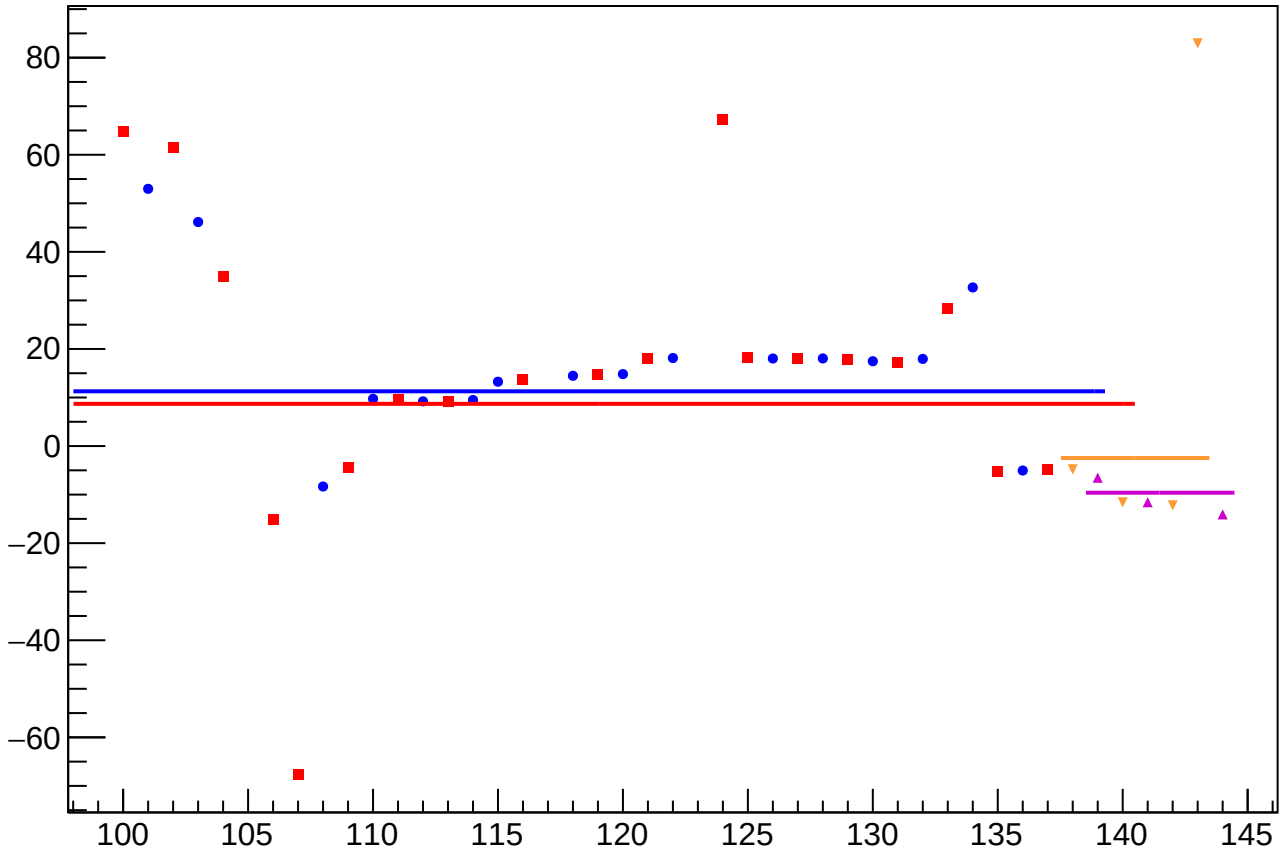
Left: 0.848+/-0.581 χ^2/NDF: 106.9/6

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -7.000+/-0.432 χ^2/NDF:878.3/18

Out: -8.482+/-0.436 χ^2/NDF:859.1/22

All: -7.735+/-0.307 χ^2/NDF: 1743.2/41



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.611+/-0.032 χ^2/NDF:9957.1/2

Left: -6.285+/-0.024 χ^2/NDF: 469838.2/6

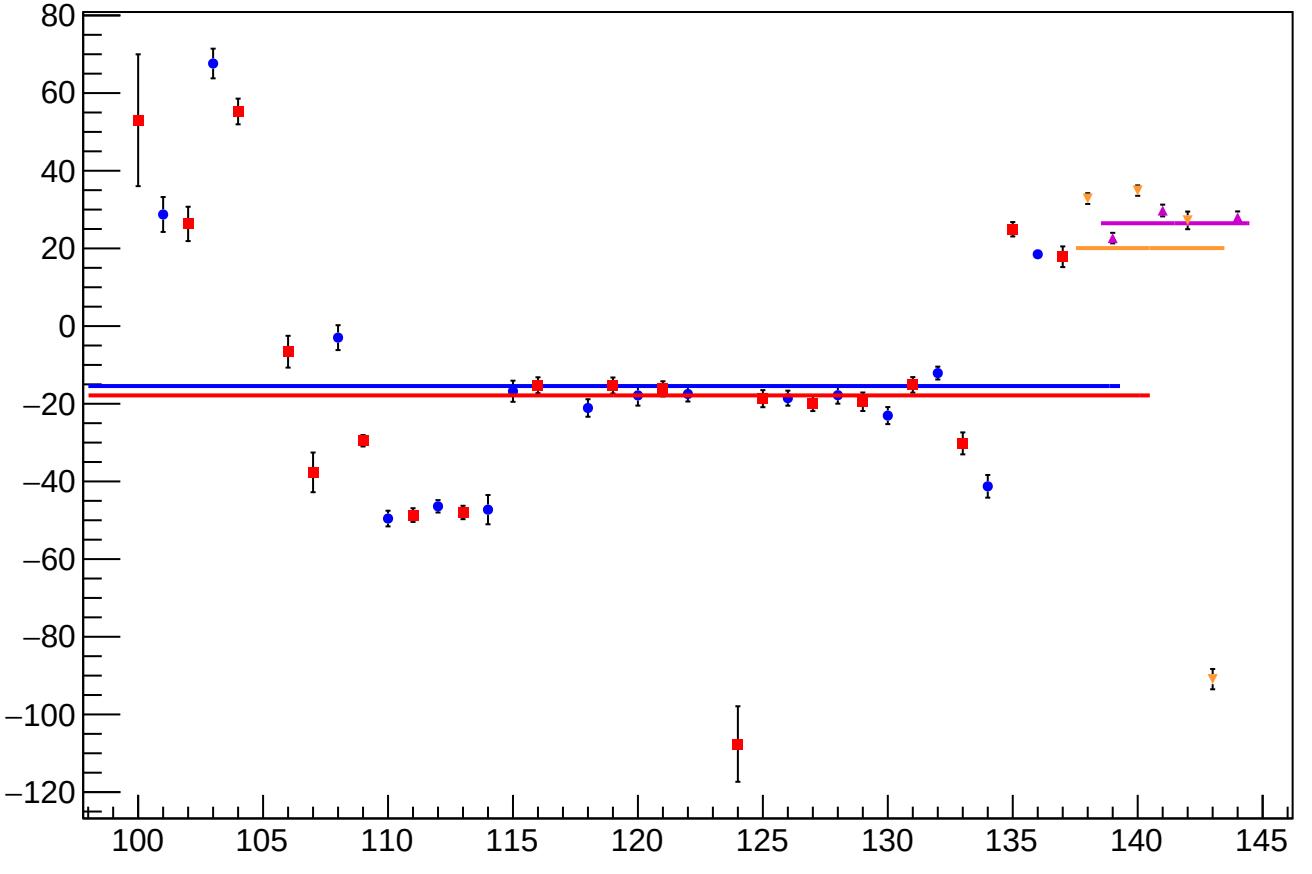
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 1.589+/-0.022 χ^2/NDF:585311.4/18

Out: 3.638+/-0.023 χ^2/NDF:930261.2/22

All: 2.554+/-0.016 χ^2/NDF: 1519689.5/41

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: 20.084+/-0.840 χ^2/NDF:2021.7/3

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.482+/-0.843 χ^2/NDF:13.6/2

Left: 23.271+/-0.595 χ^2/NDF: 2064.2/6

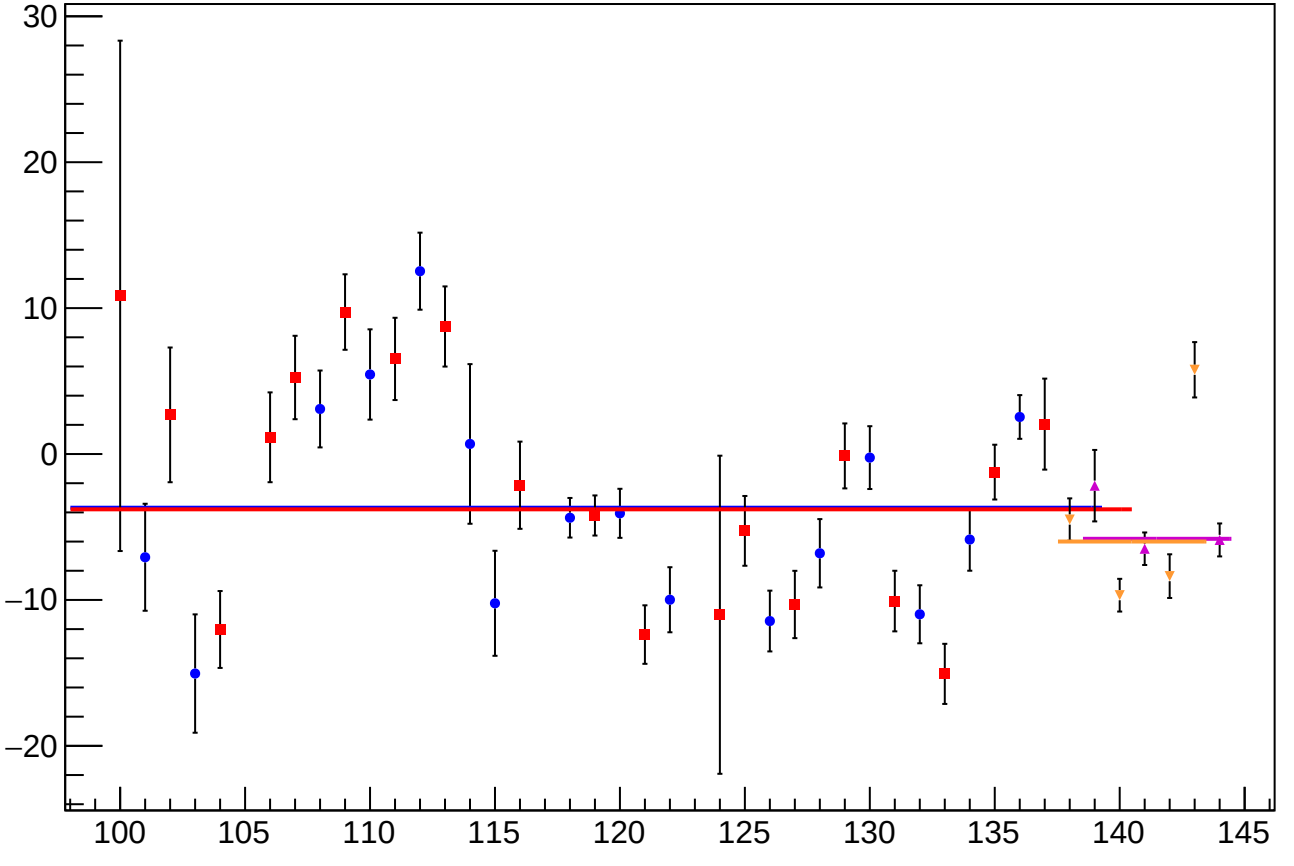
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -3.275+/-0.454 χ^2/NDF:3892.5/18

Out: -7.057+/-0.448 χ^2/NDF:5606.1/22

All: -5.192+/-0.319 χ^2/NDF: 9533.8/41

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -5.996+/-0.708 χ^2/NDF:52.9/3

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.810+/-0.755 χ^2/NDF:2.6/2

Left: -5.909+/-0.516 χ^2/NDF: 55.5/6

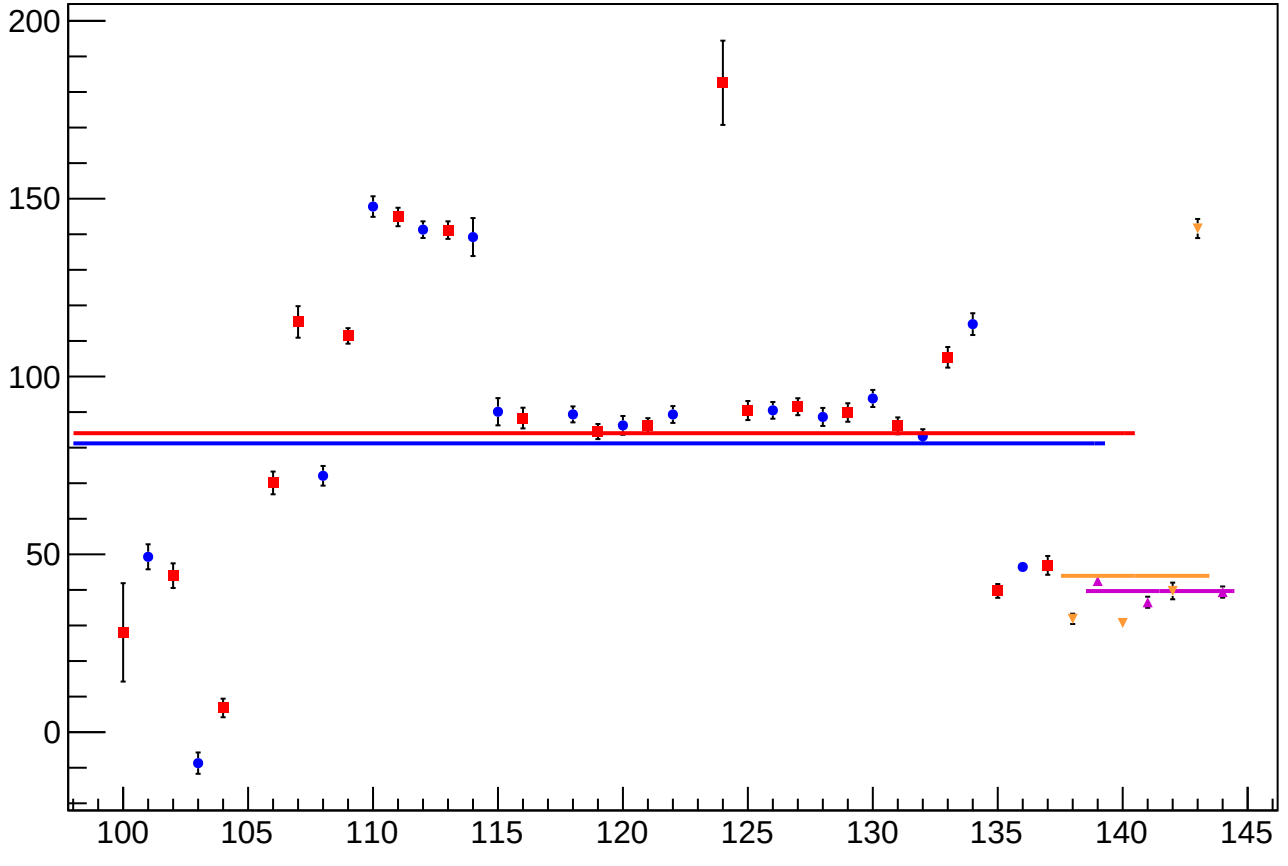
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.422+/-0.446 χ^2/NDF:131.8/18

Out: -4.646+/-0.441 χ^2/NDF:220.0/22

All: -4.535+/-0.313 χ^2/NDF: 351.9/41

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.964+/-0.869 χ^2/NDF:1486.8/3

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.677+/-0.871 χ^2/NDF:8.1/2

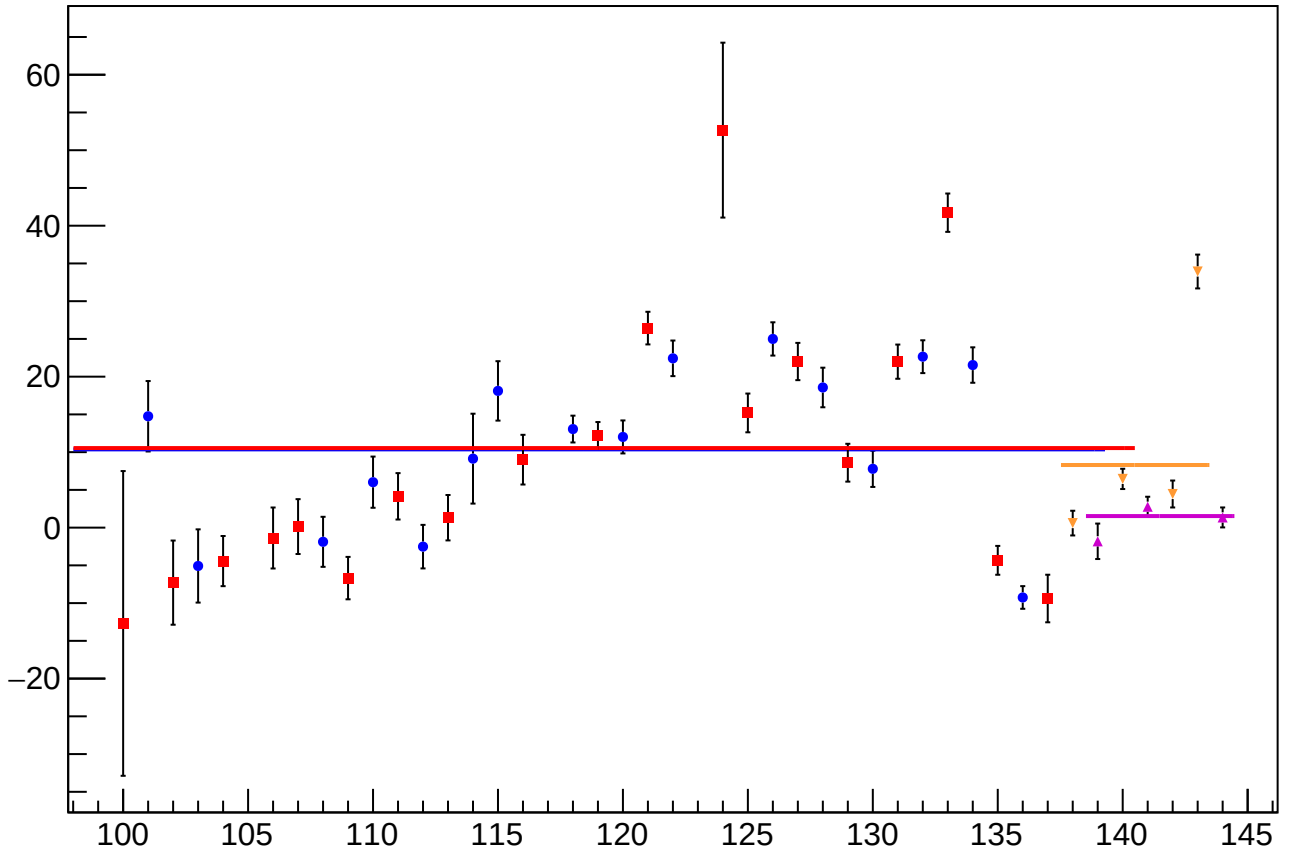
Left: 41.826+/-0.615 χ^2/NDF: 1507.0/6

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 67.630+/-0.498 χ^2/NDF:4768.1/18

Out: 70.644+/-0.503 χ^2/NDF:6110.4/22

All: 69.123+/-0.354 χ^2/NDF: 10896.6/41



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.531+/-0.869 χ^2/NDF:2.9/2

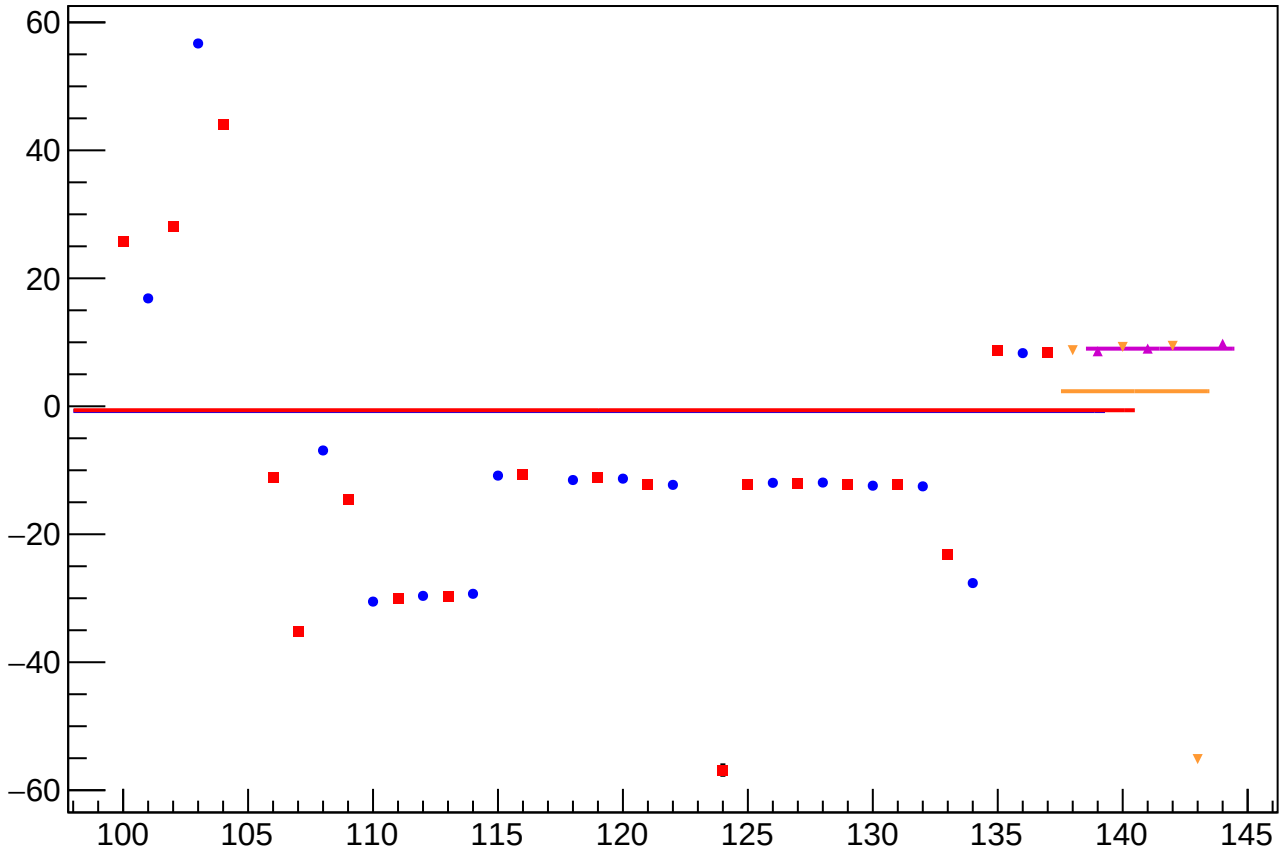
Left: 5.055+/-0.601 χ^2/NDF: 194.0/6

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 7.343+/-0.508 χ^2/NDF:430.8/18

Out: 9.706+/-0.508 χ^2/NDF:634.8/22

All: 8.525+/-0.359 χ^2/NDF: 1076.4/41



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 9.007+/-0.034 χ^2/NDF:184.6/2

Left: 5.841+/-0.025 χ^2/NDF: 313564.1/6

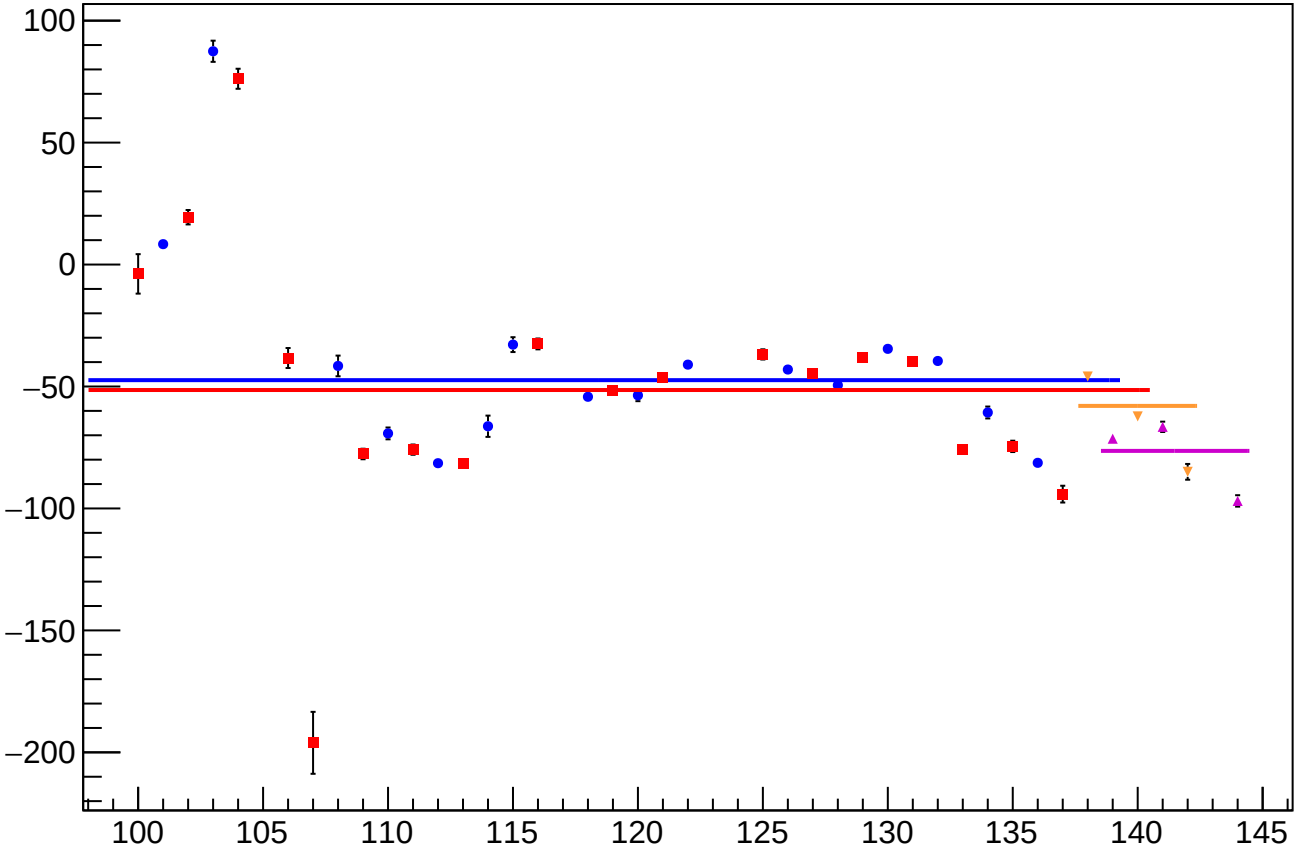
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.331+/-0.025 χ^2/NDF:406633.3/18

Out: 0.916+/-0.026 χ^2/NDF:615376.9/22

All: 2.699+/-0.018 χ^2/NDF: 1031043.9/41

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: -57.953+/-1.197 χ^2/NDF:121.2/2

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -76.400+/-1.185 χ^2/NDF:106.1/2

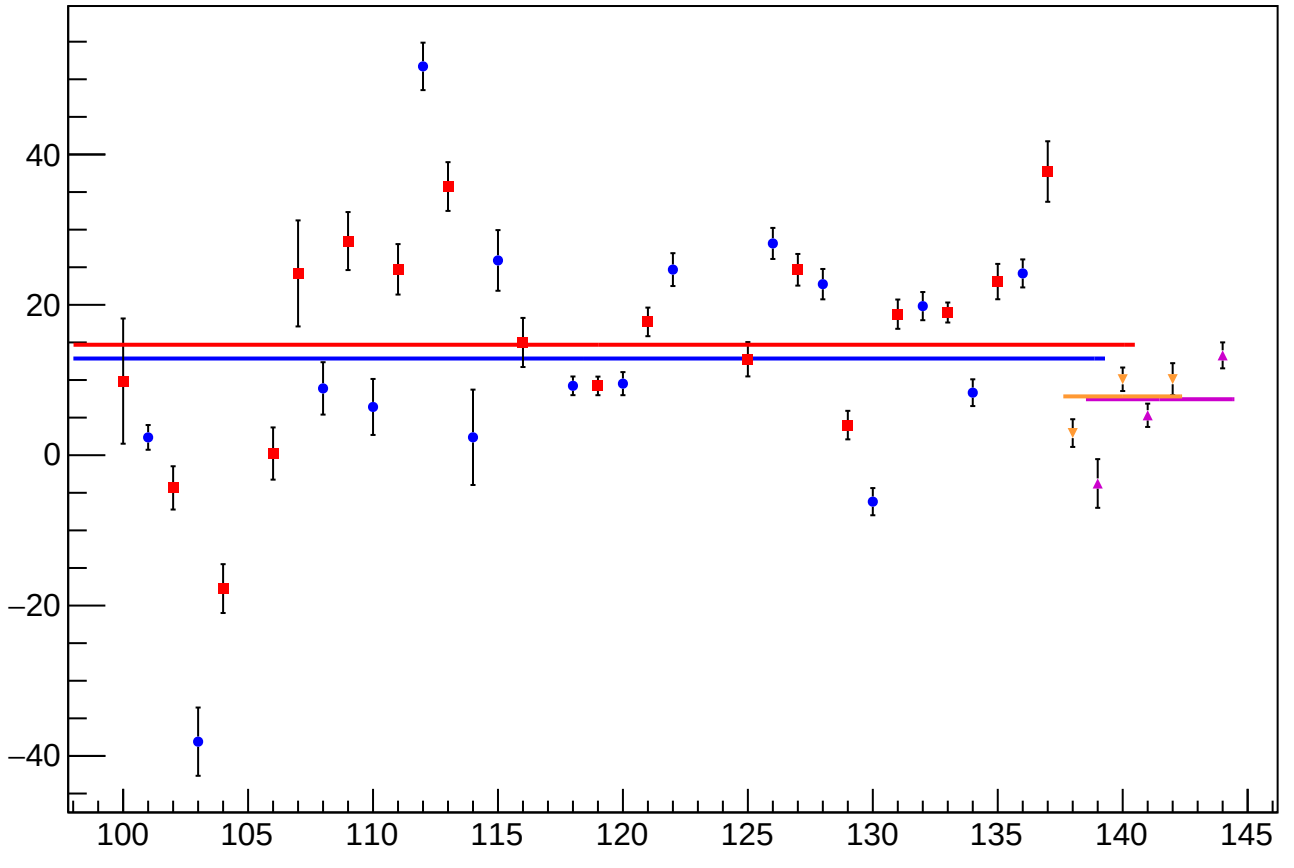
Left: -67.271+/-0.842 χ^2/NDF: 347.2/5

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.309+/-0.488 χ^2/NDF:3372.5/18

Out: -52.560+/-0.496 χ^2/NDF:3018.5/20

All: -52.432+/-0.348 χ^2/NDF: 6391.1/39



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.822+/-1.040 χ^2/NDF:10.3/2

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 7.445+/-1.087 χ^2/NDF:25.3/2

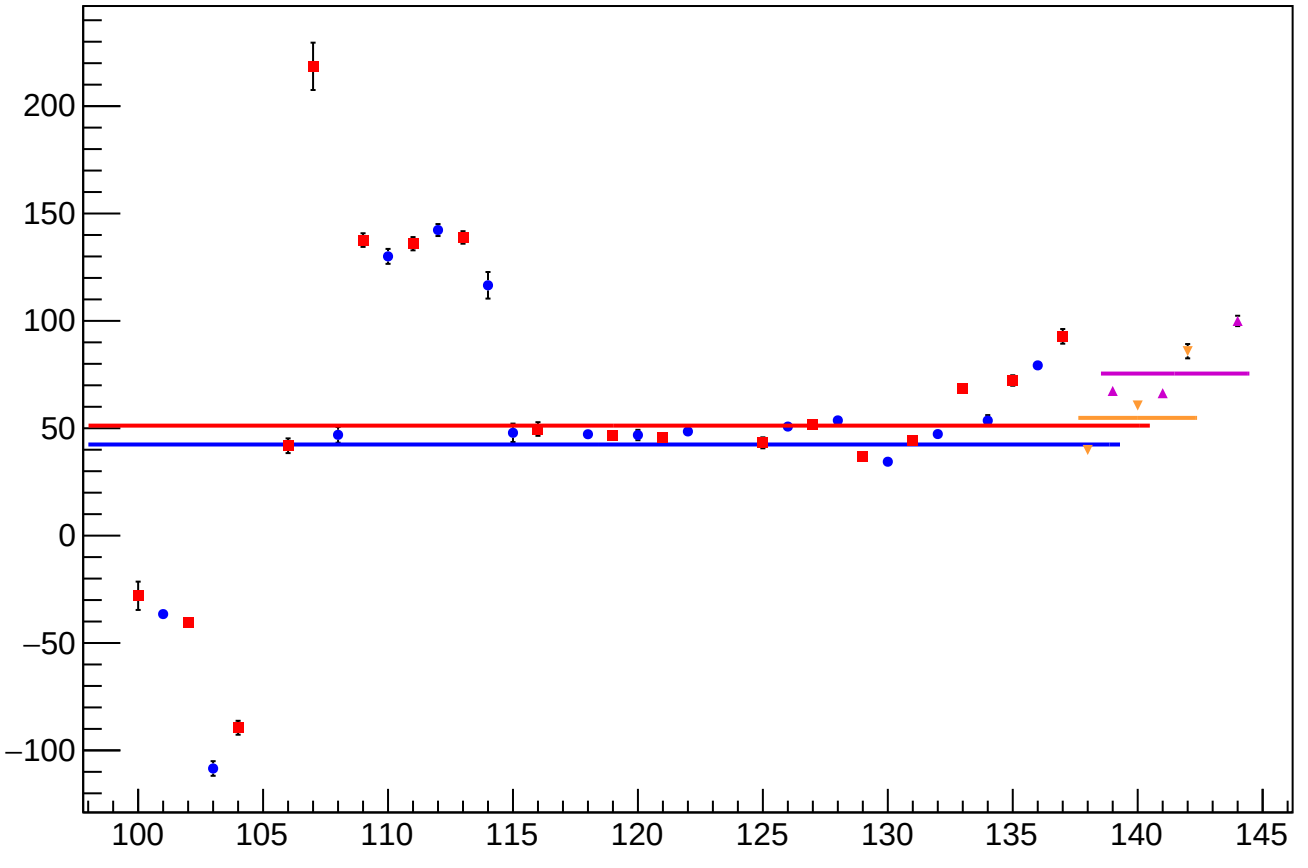
Left: 7.642+/-0.751 χ^2/NDF: 35.6/5

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.855+/-0.468 χ^2/NDF:671.0/18

Out: 13.214+/-0.482 χ^2/NDF:408.6/20

All: 12.515+/-0.336 χ^2/NDF: 1083.7/39



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 54.832+/-1.240 χ^2/NDF:160.8/2

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 75.467+/-1.226 χ^2/NDF:139.4/2

Left: 65.271+/-0.872 χ^2/NDF: 440.3/5

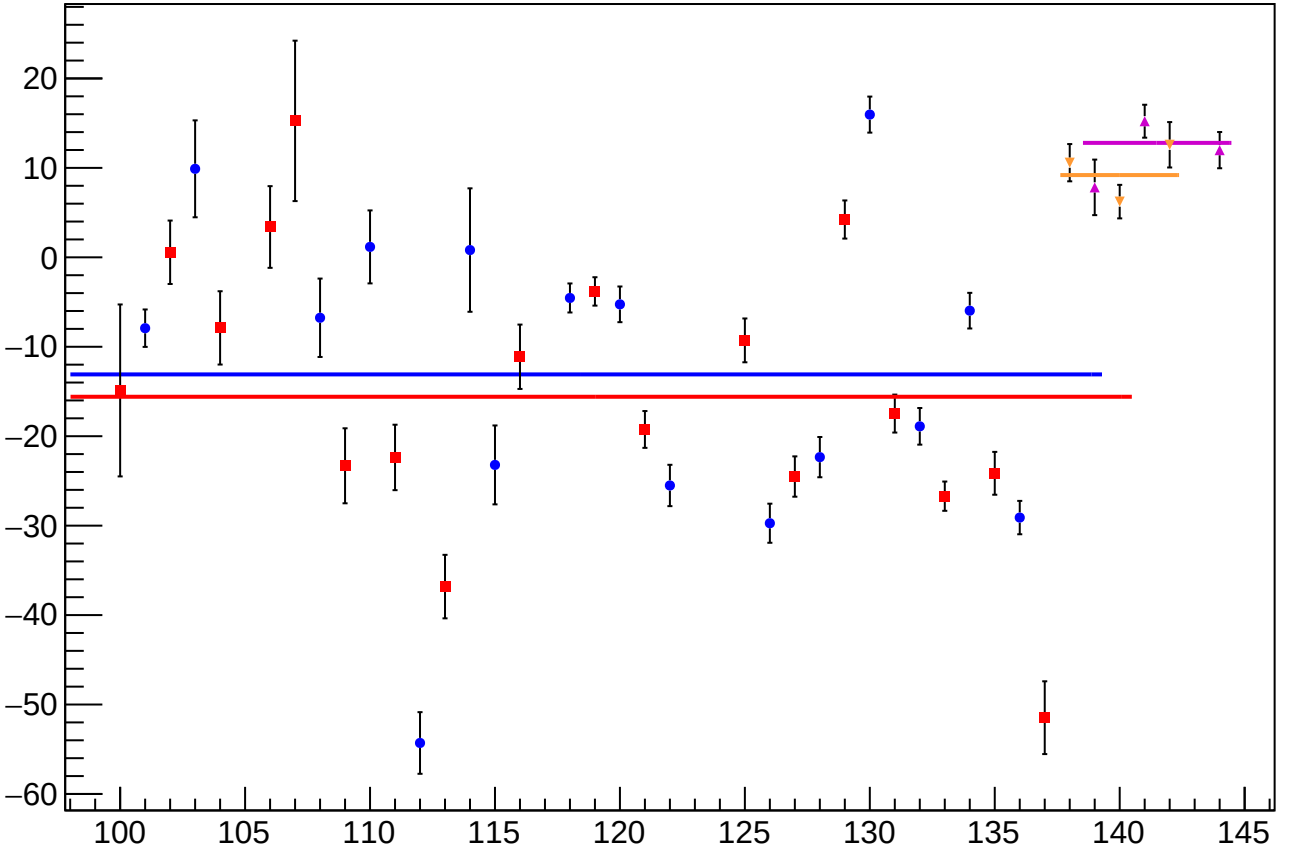
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 48.554+/-0.527 χ^2/NDF:7900.1/18

Out: 51.937+/-0.551 χ^2/NDF:6778.9/20

All: 50.172+/-0.381 χ^2/NDF: 14698.6/39

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 9.197+/-1.221 χ^2/NDF:4.7/2

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 12.797+/-1.248 χ^2/NDF:4.5/2

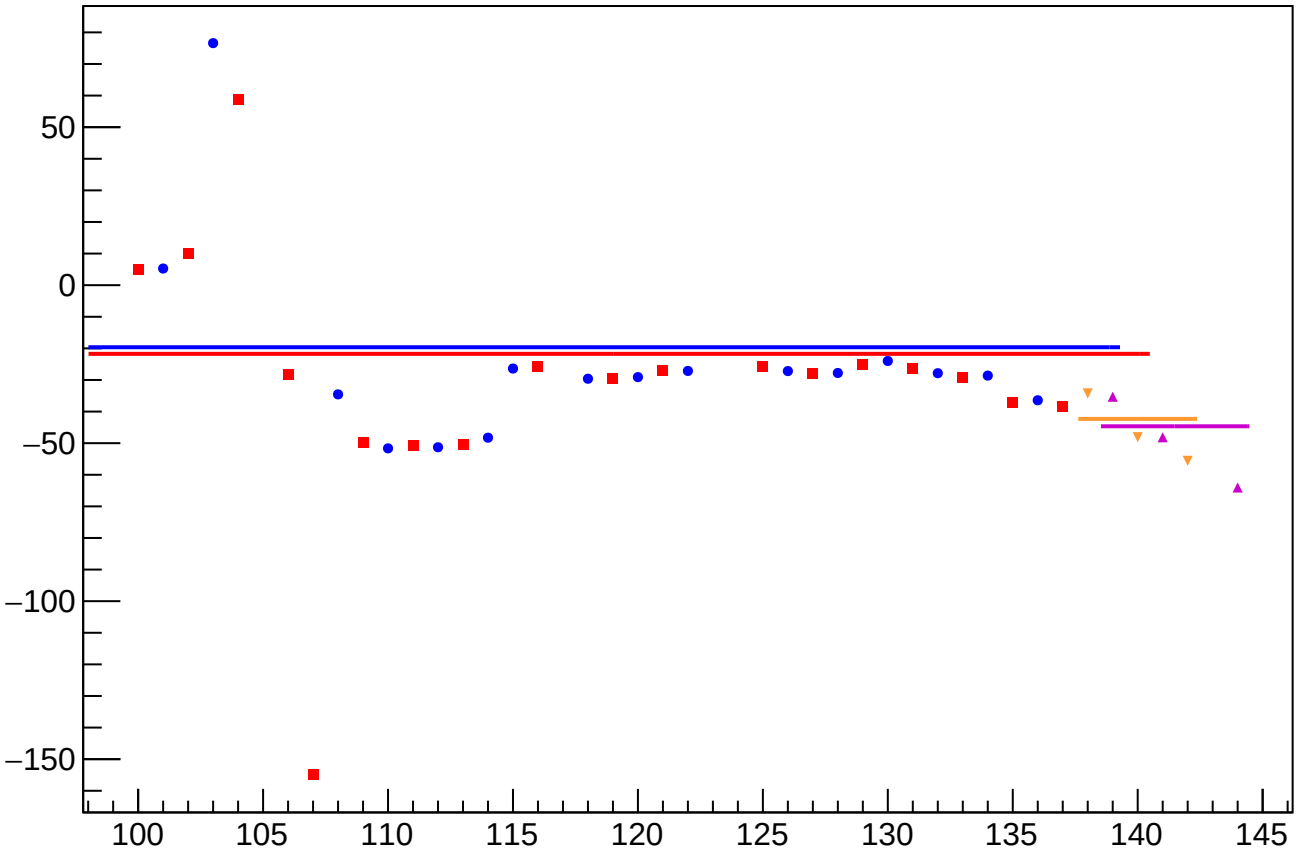
Left: 10.959+/-0.873 χ^2/NDF: 13.4/5

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -8.231+/-0.541 χ^2/NDF:994.1/18

Out: -10.422+/-0.558 χ^2/NDF:732.5/20

All: -9.292+/-0.388 χ^2/NDF: 1734.6/39



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -42.318+/-0.052 χ^2/NDF:26144.1/2

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -44.658+/-0.048 χ^2/NDF:53086.5/2

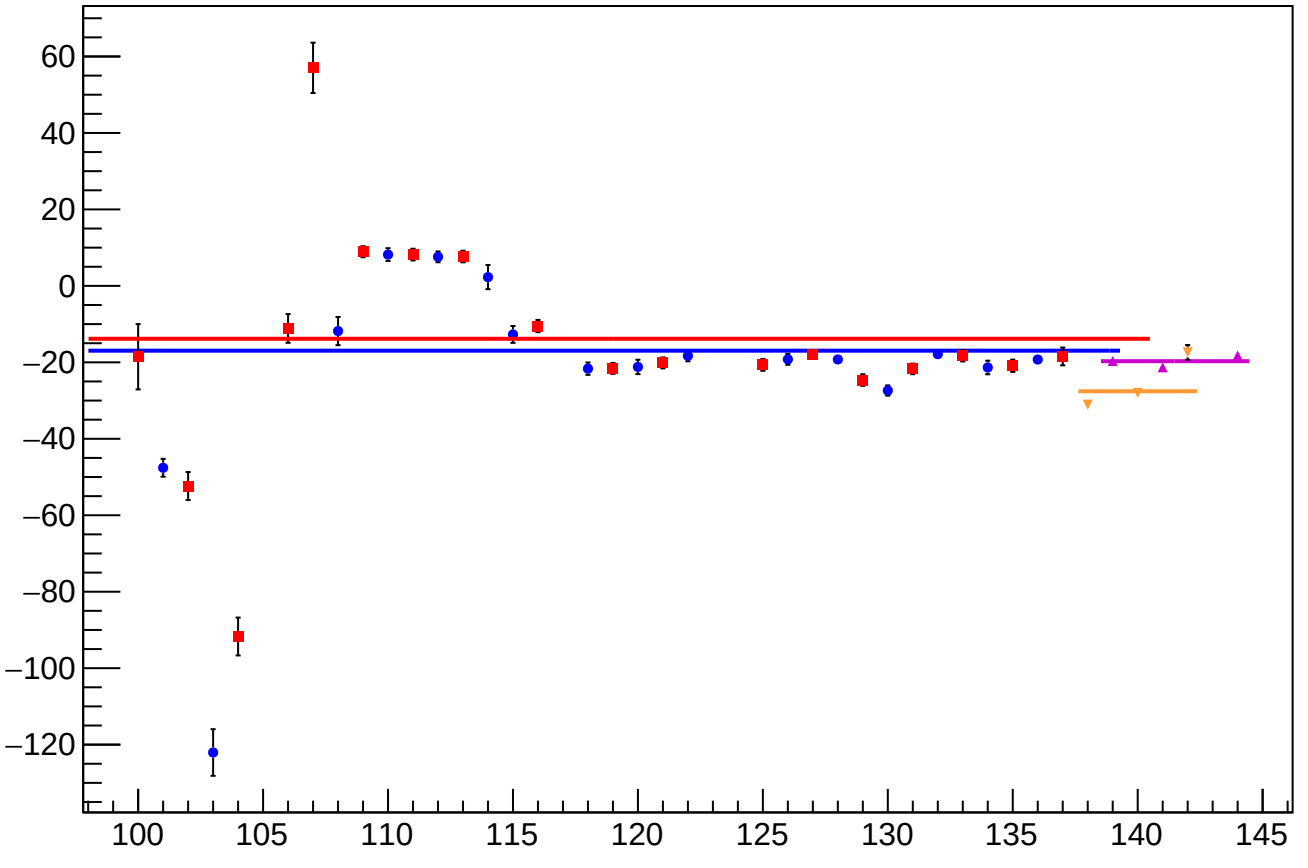
Left: -43.575+/-0.035 χ^2/NDF: 80335.4/5

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.710+/-0.029 χ^2/NDF:873922.0/18

Out: -29.191+/-0.031 χ^2/NDF:674379.3/20

All: -28.933+/-0.021 χ^2/NDF: 1548430.1/39



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.570+/-0.762 χ^2/NDF:36.5/2

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -19.700+/-0.718 χ^2/NDF:2.9/2

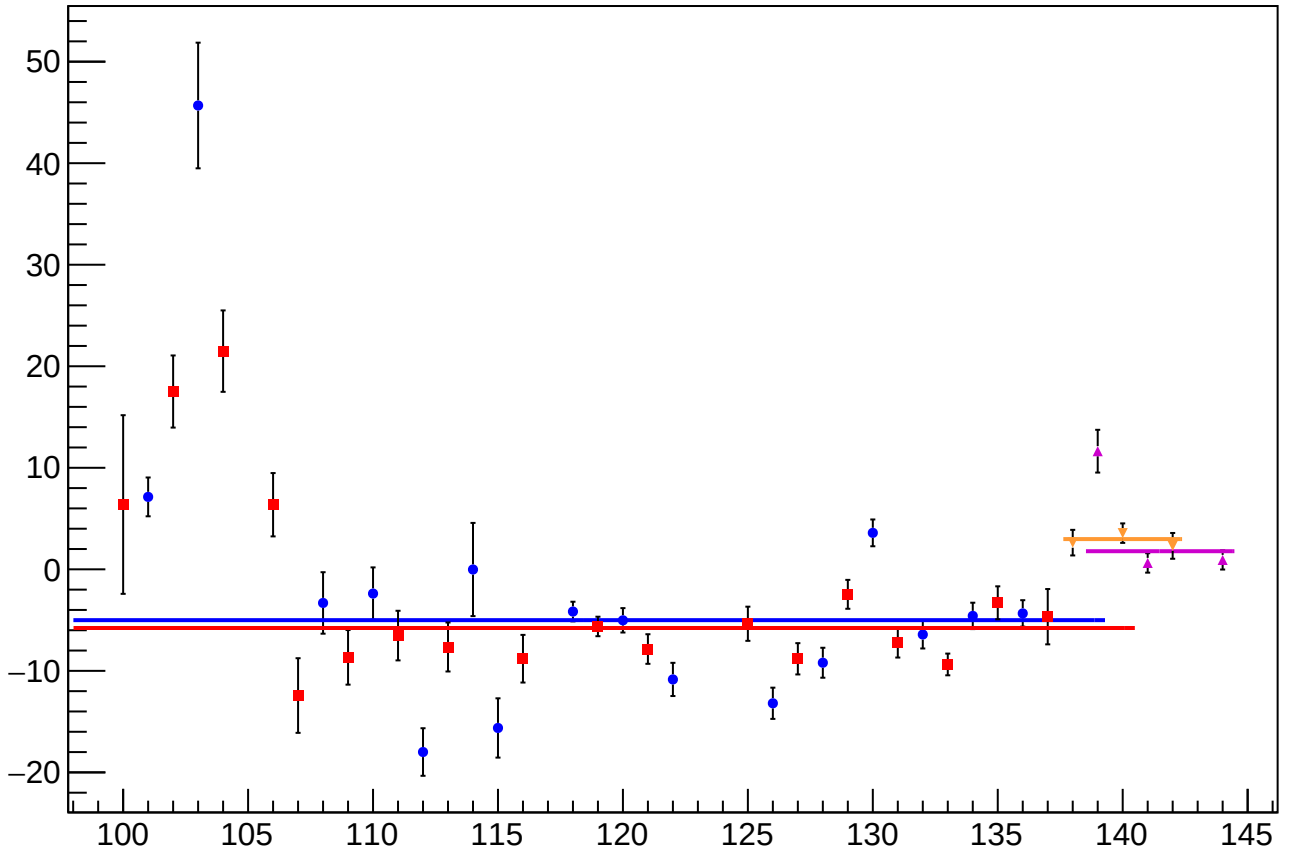
Left: -23.404+/-0.523 χ^2/NDF: 95.8/5

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -17.610+/-0.352 χ^2/NDF:1142.2/18

Out: -16.912+/-0.360 χ^2/NDF:1621.9/20

All: -17.270+/-0.252 χ^2/NDF: 2766.0/39



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 2.979+/-0.654 χ^2/NDF:0.7/2

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: 1.784+/-0.641 χ^2/NDF:24.2/2

Left: 2.369+/-0.458 χ^2/NDF: 26.6/5

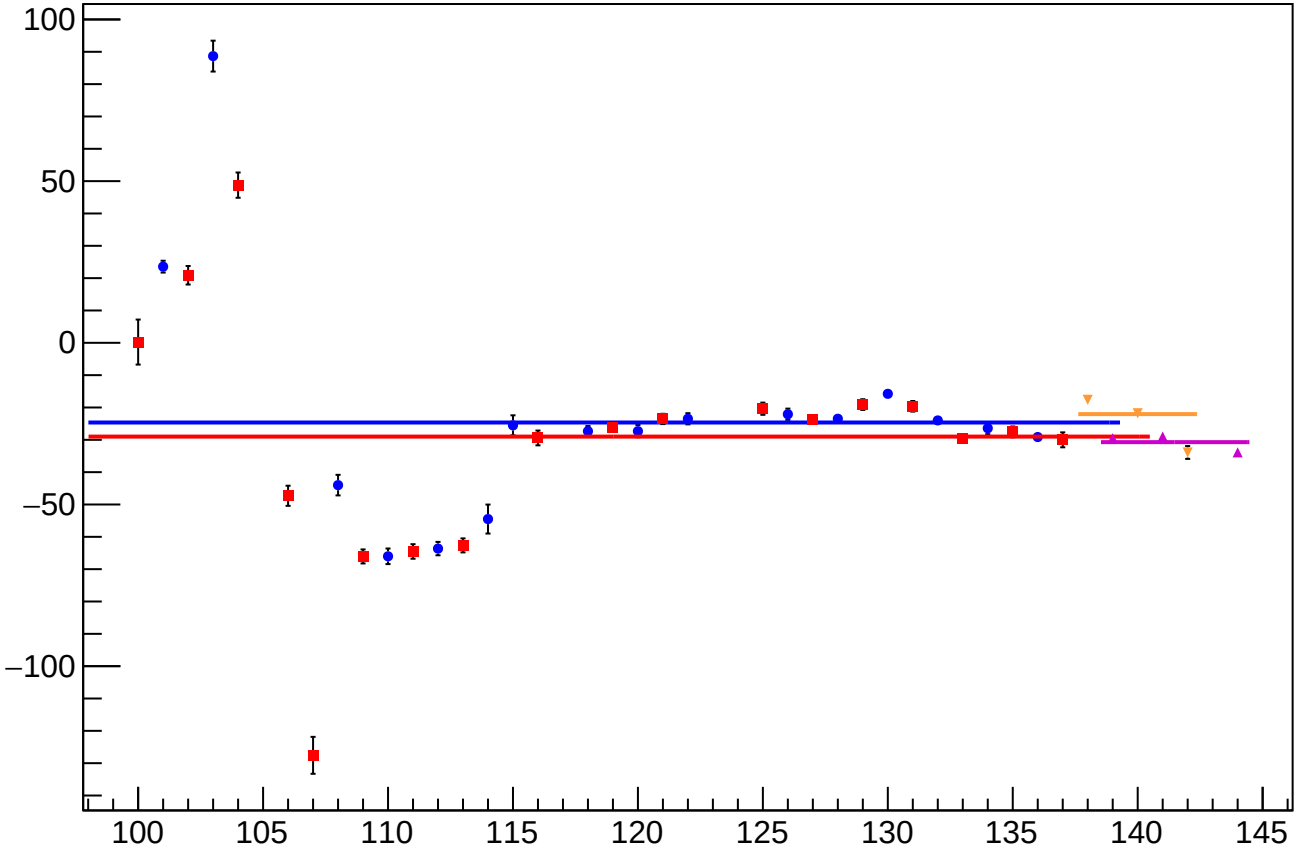
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.092+/-0.340 χ^2/NDF:352.6/18

Out: -3.229+/-0.353 χ^2/NDF:267.0/20

All: -3.158+/-0.245 χ^2/NDF: 619.7/39

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: -22.051+/-0.788 χ^2/NDF:48.1/2

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -30.716+/-0.742 χ^2/NDF:8.5/2

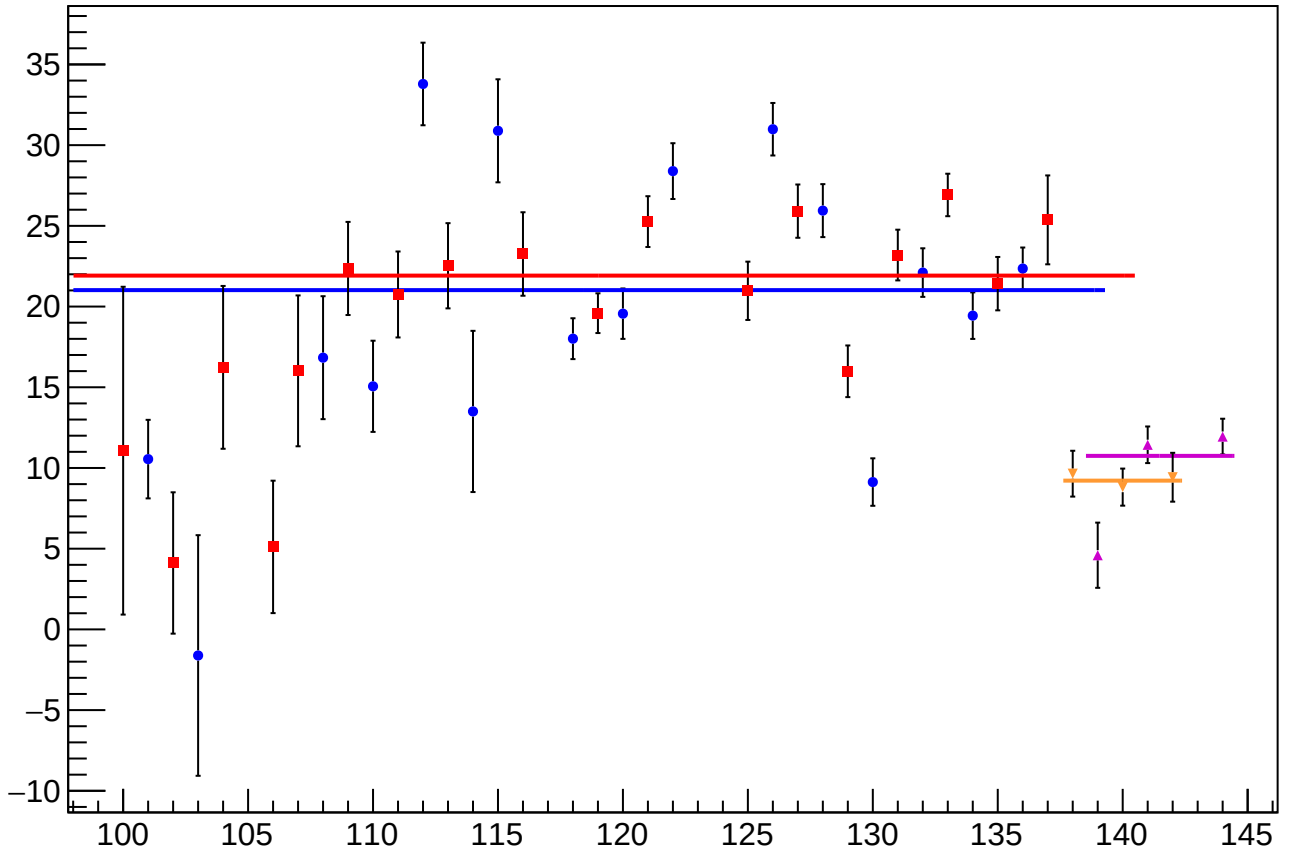
Left: -26.646+/-0.540 χ^2/NDF: 120.7/5

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -26.300+/-0.388 χ^2/NDF:2109.1/18

Out: -27.150+/-0.407 χ^2/NDF:2057.3/20

All: -26.705+/-0.281 χ^2/NDF: 4168.7/39



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 9.216+/-0.769 χ^2/NDF:0.2/2

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 10.750+/-0.737 χ^2/NDF:10.8/2

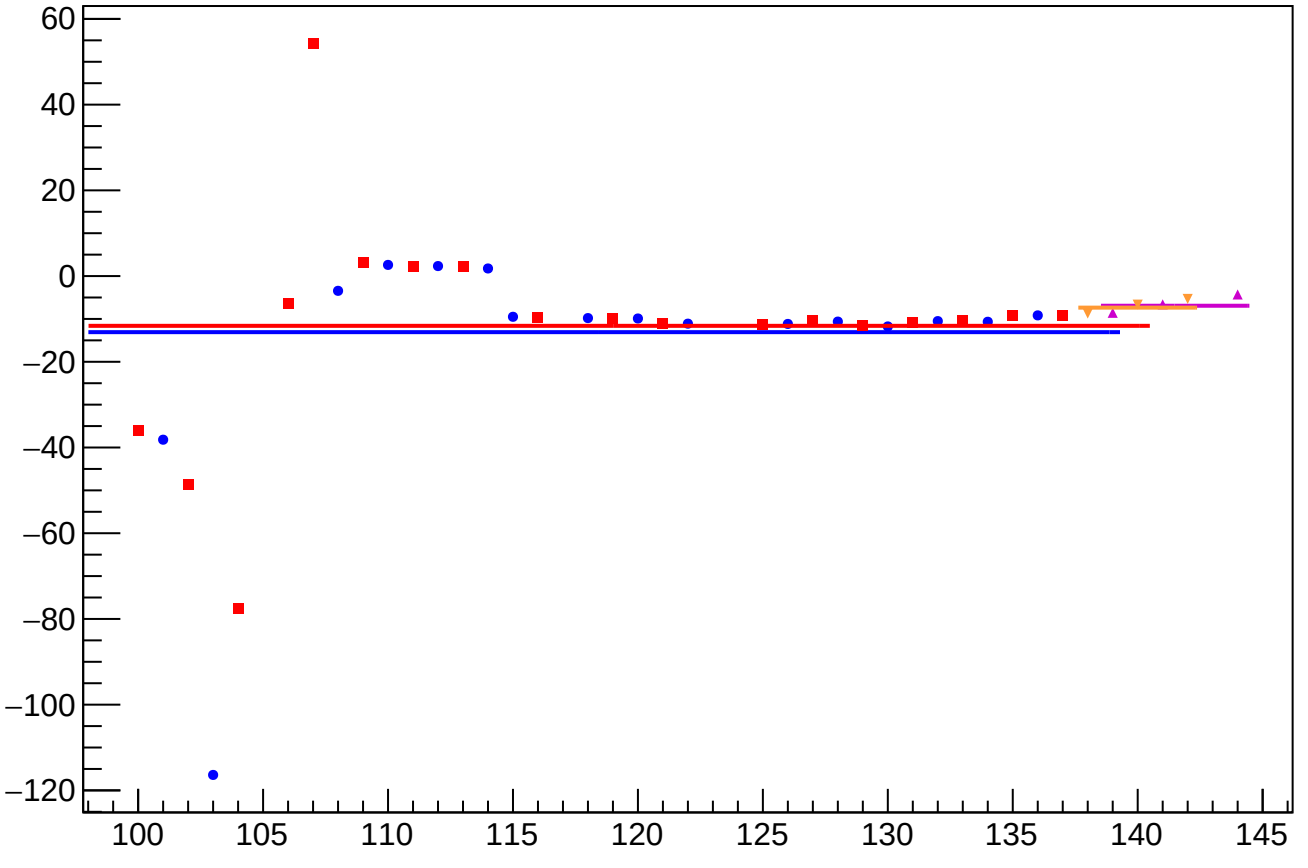
Left: 10.015+/-0.532 χ^2/NDF: 13.1/5

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.159+/-0.389 χ^2/NDF:360.3/18

Out: 18.373+/-0.406 χ^2/NDF:279.5/20

All: 18.261+/-0.281 χ^2/NDF: 640.0/39



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.364+/-0.033 χ^2/NDF:1578.5/2

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -6.922+/-0.029 χ^2/NDF:3473.2/2

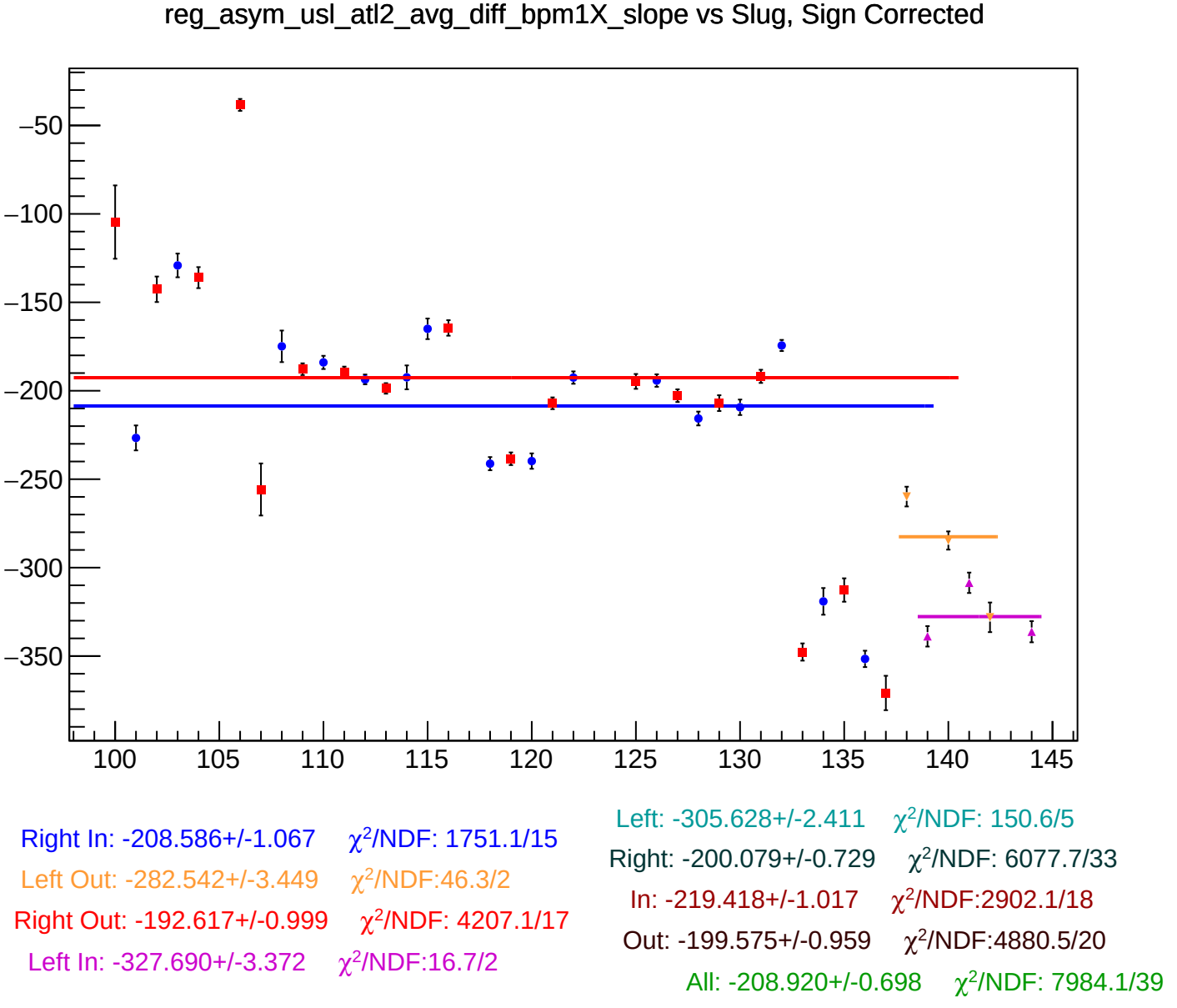
Left: -7.119+/-0.022 χ^2/NDF: 5152.3/5

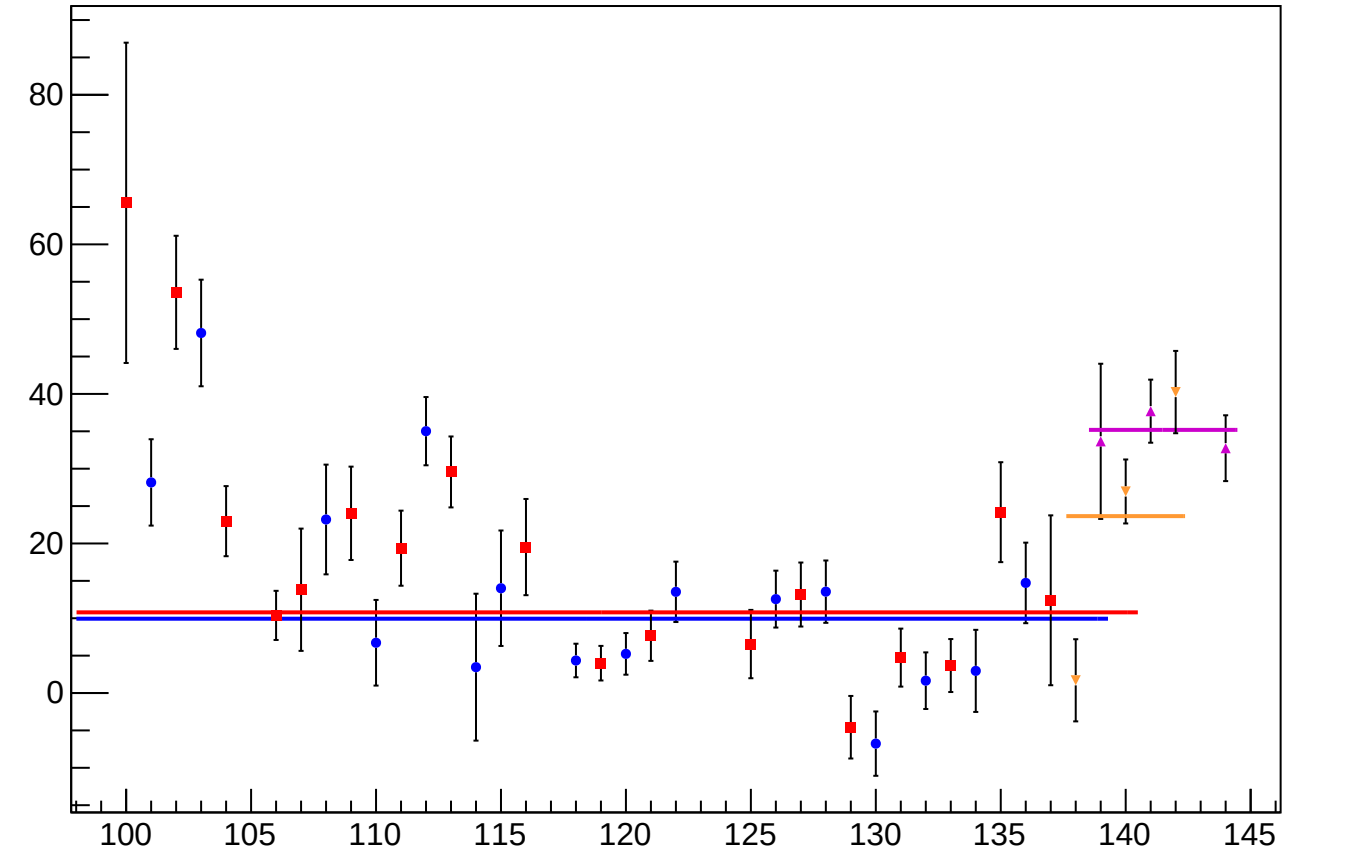
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.109+/-0.020 χ^2/NDF:371152.7/18

Out: -9.616+/-0.022 χ^2/NDF:324634.5/20

All: -9.886+/-0.015 χ^2/NDF: 696050.0/39


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
140
145
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -282.542+/-3.449 χ²/NDF:46.3/2
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -327.690+/-3.372 χ²/NDF:16.7/2
Left: -305.628+/-2.411 χ²/NDF: 150.6/5
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -219.418+/-1.017 χ²/NDF:2902.1/18
Out: -199.575+/-0.959 χ²/NDF:4880.5/20
All: -208.920+/-0.698 χ²/NDF: 7984.1/39



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 23.657+/-2.877 χ^2/NDF:25.7/2

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 35.191+/-2.922 χ^2/NDF:0.7/2

Left: 29.335+/-2.050 χ^2/NDF: 34.2/5

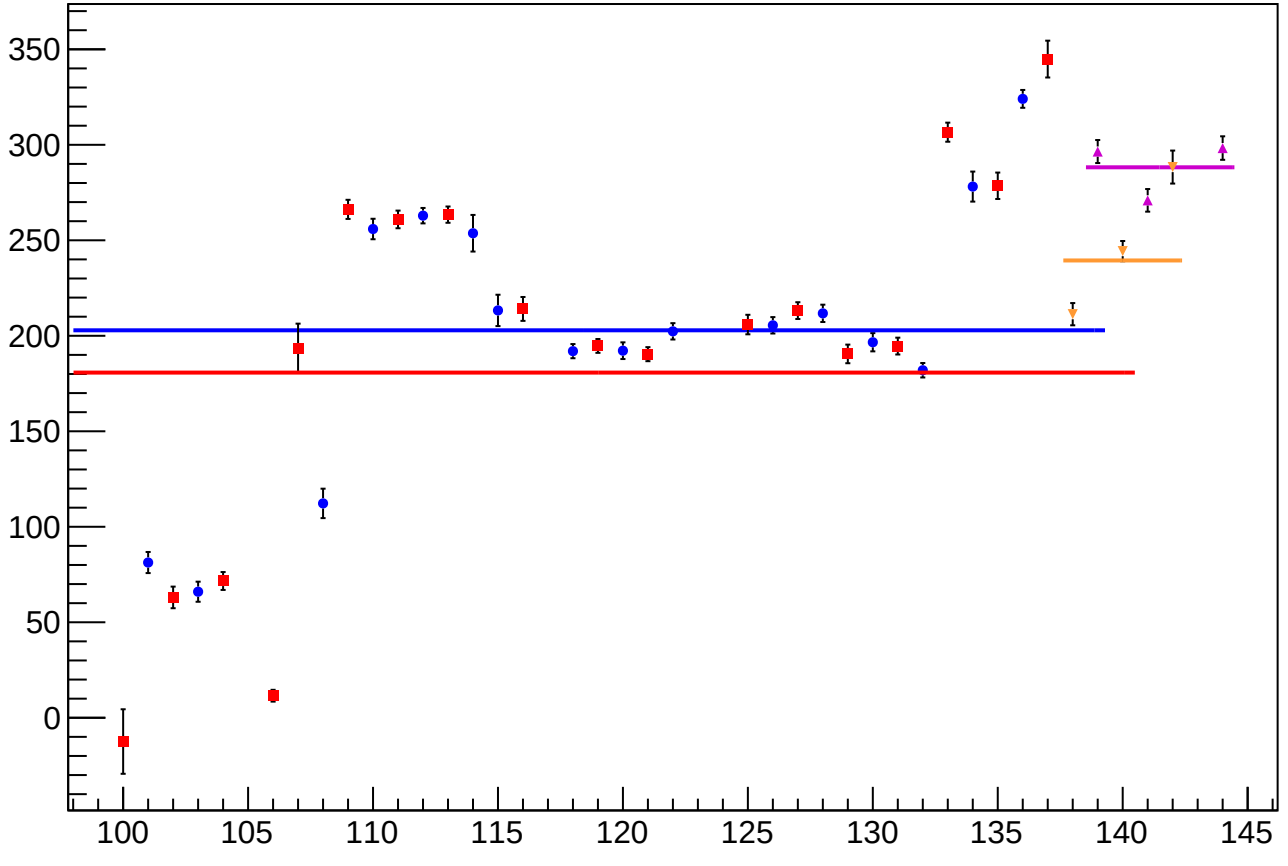
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.902+/-1.001 χ^2/NDF:173.2/18

Out: 12.284+/-0.981 χ^2/NDF:148.4/20

All: 12.587+/-0.701 χ^2/NDF: 321.8/39

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: 239.444+/-3.568 χ^2/NDF:56.2/2

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 288.222+/-3.482 χ^2/NDF:13.1/2

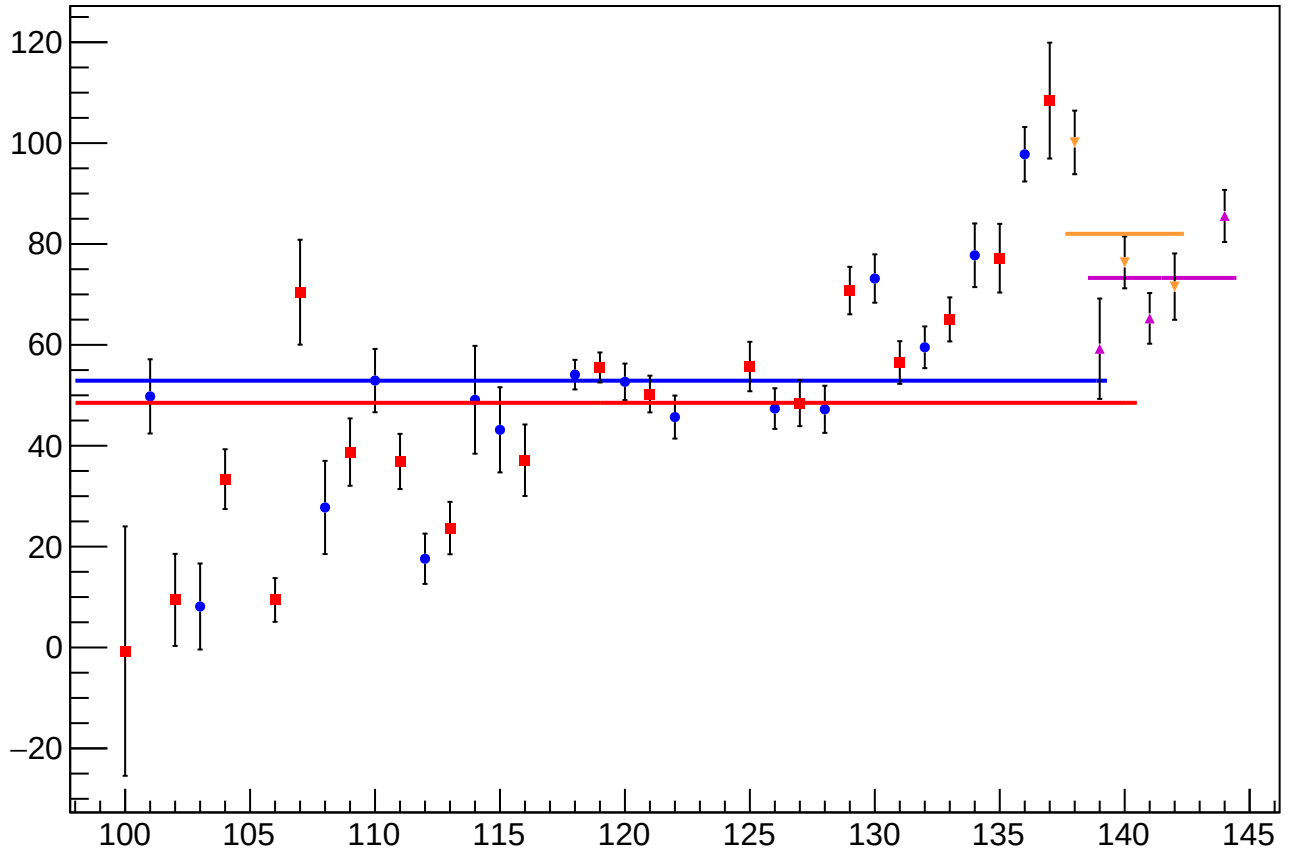
Left: 264.426+/-2.492 χ^2/NDF: 165.0/5

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 212.280+/-1.156 χ^2/NDF:3011.8/18

Out: 186.201+/-1.089 χ^2/NDF:6649.7/20

All: 198.463+/-0.793 χ^2/NDF: 9931.1/39



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 82.016+/-3.408 χ^2/NDF:12.0/2

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 73.273+/-3.386 χ^2/NDF:10.2/2

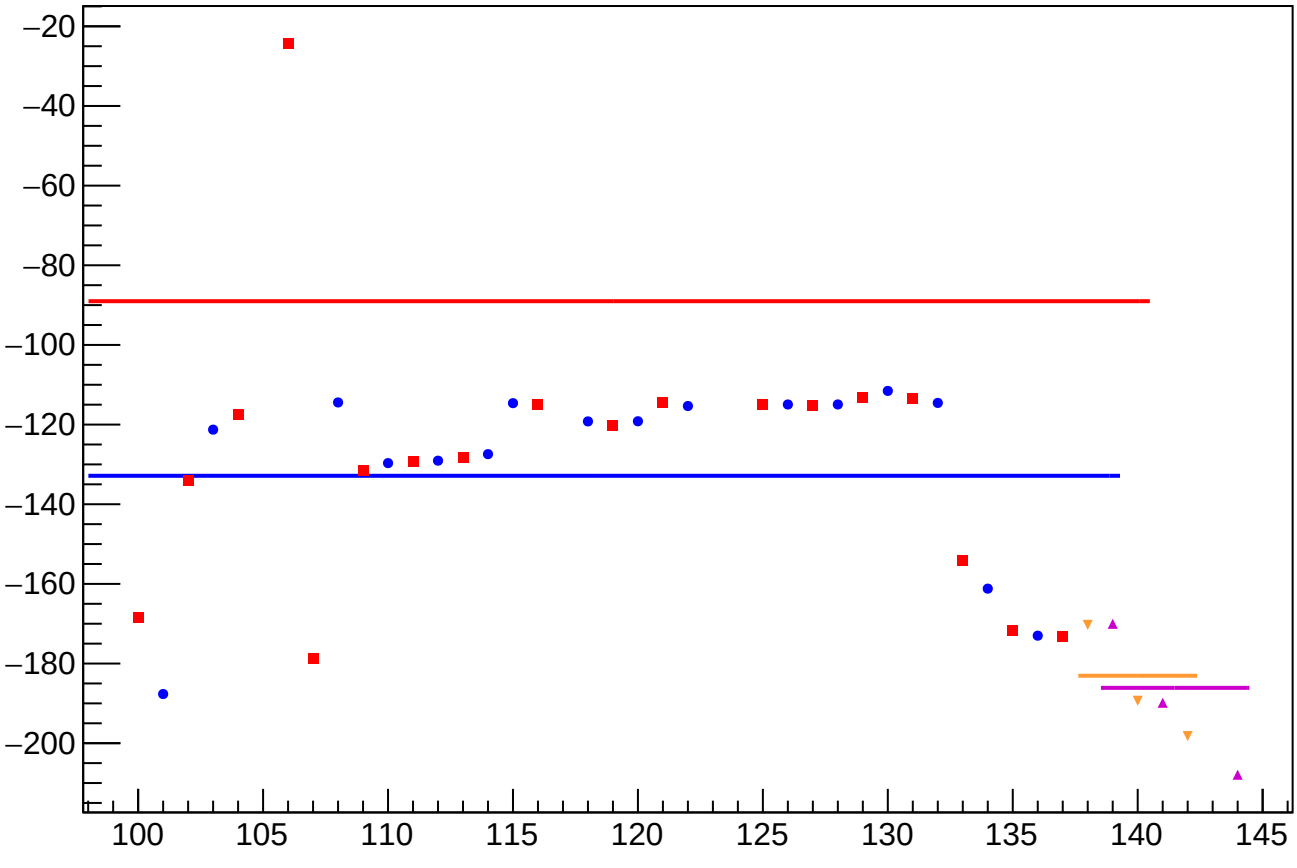
Left: 77.616+/-2.402 χ^2/NDF: 25.5/5

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 55.314+/-1.166 χ^2/NDF:240.4/18

Out: 52.285+/-1.144 χ^2/NDF:337.8/20

All: 53.771+/-0.816 χ^2/NDF: 581.7/39



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -183.061+/-0.151 χ^2/NDF:5511.4/2

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -186.102+/-0.139 χ^2/NDF:12121.7/2

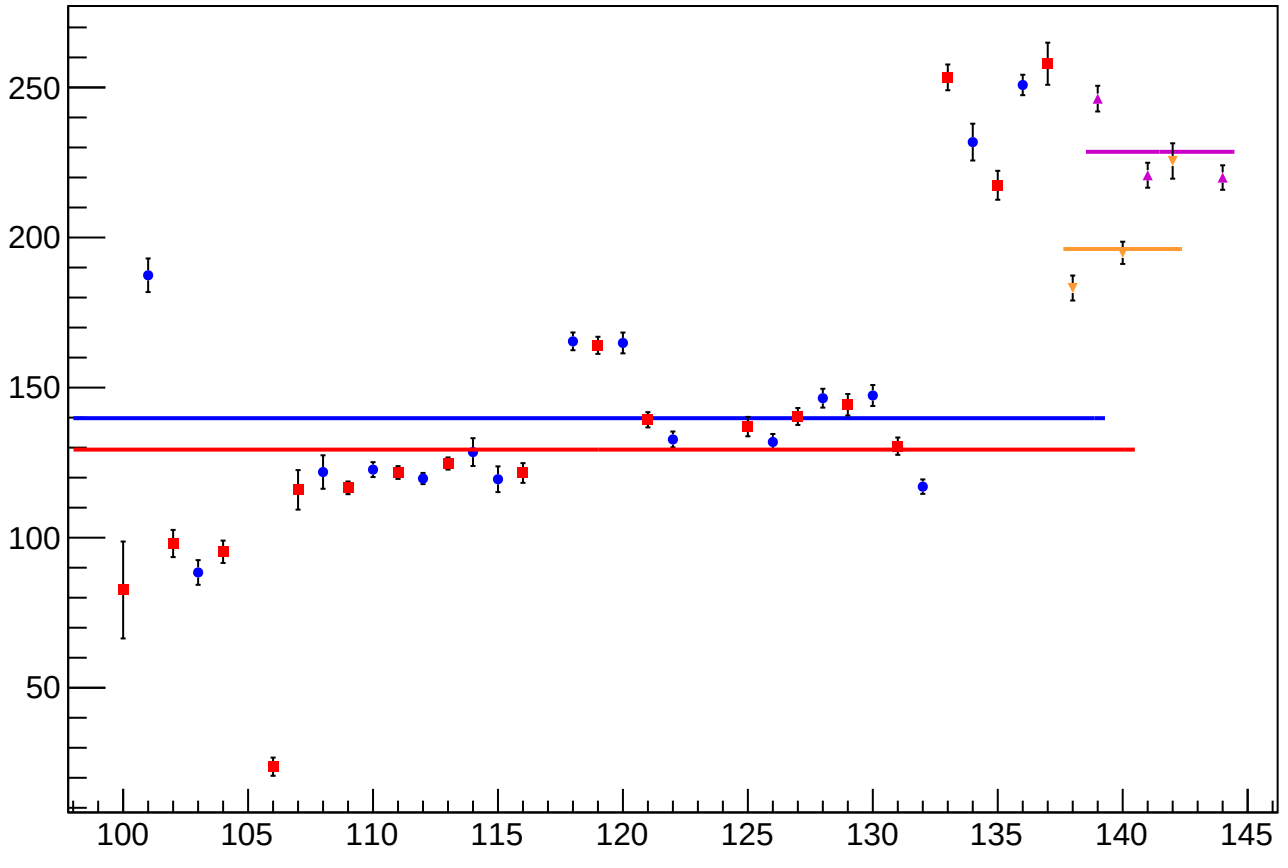
Left: -184.704+/-0.102 χ^2/NDF: 17853.3/5

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -146.456+/-0.070 χ^2/NDF:215038.6/18

Out: -103.474+/-0.059 χ^2/NDF:1063744.3/20

All: -121.278+/-0.045 χ^2/NDF: 1498392.0/39



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 196.175+/-2.504 χ^2/NDF:34.6/2

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 228.558+/-2.408 χ^2/NDF:25.1/2

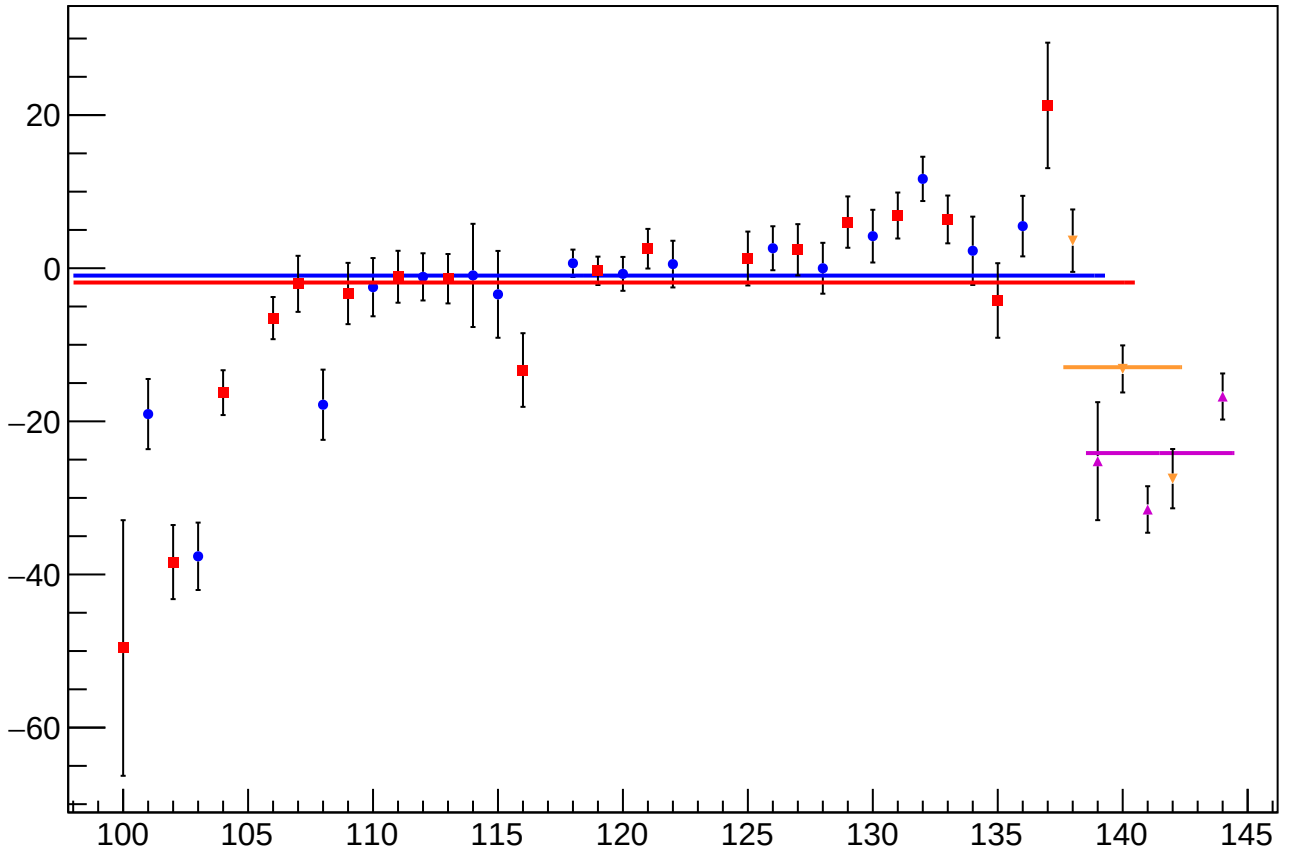
Left: 212.996+/-1.735 χ^2/NDF: 146.6/5

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 148.327+/-0.746 χ^2/NDF:3218.0/18

Out: 134.637+/-0.705 χ^2/NDF:3814.3/20

All: 141.092+/-0.512 χ^2/NDF: 7210.3/39



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -12.928+/-2.073 χ^2/NDF:30.6/2

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -24.145+/-2.060 χ^2/NDF:11.9/2

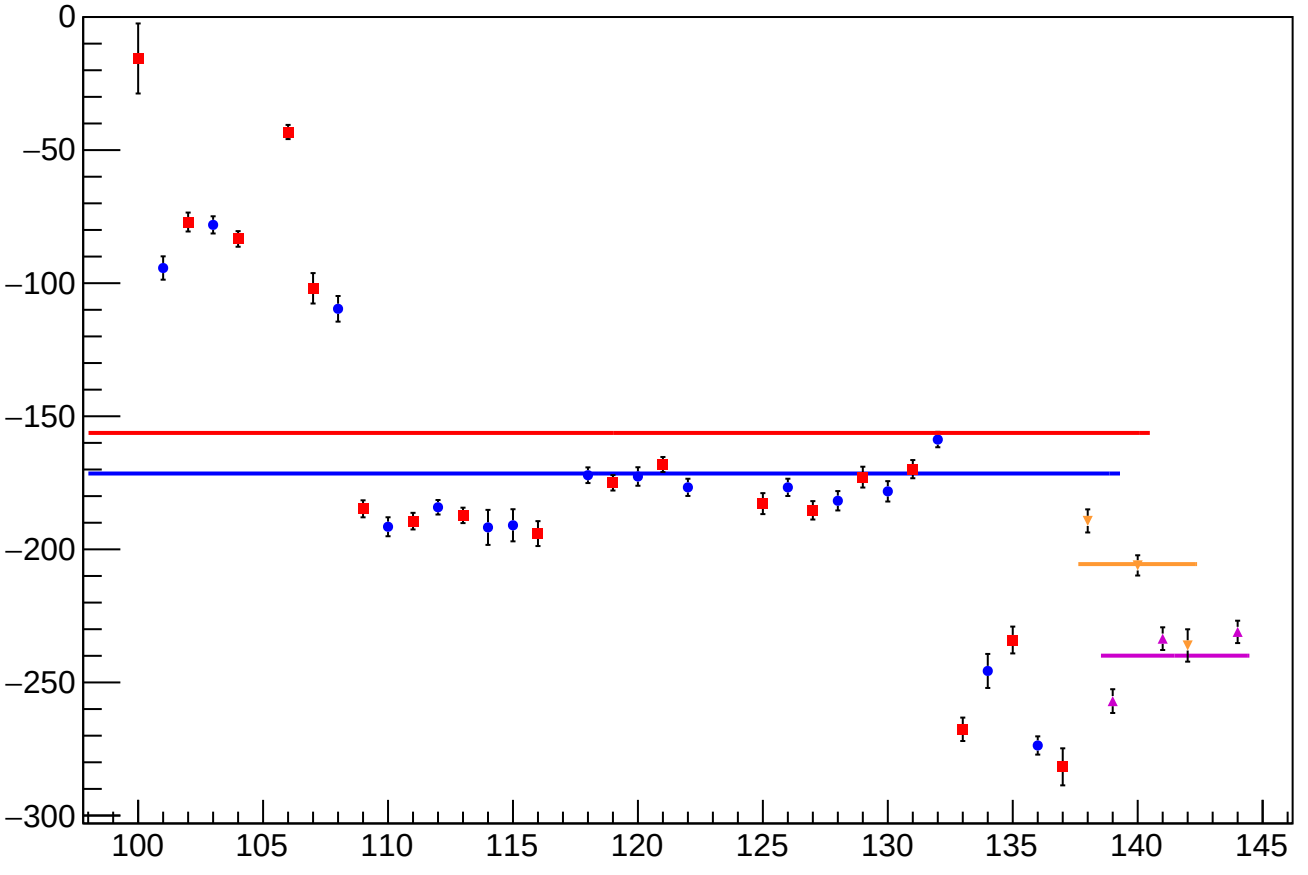
Left: -18.572+/-1.461 χ^2/NDF: 57.2/5

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.055+/-0.752 χ^2/NDF:247.7/18

Out: -3.251+/-0.733 χ^2/NDF:188.7/20

All: -3.643+/-0.525 χ^2/NDF: 437.0/39



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -205.540+/-2.589 χ^2/NDF:39.3/2

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -239.940+/-2.486 χ^2/NDF:21.4/2

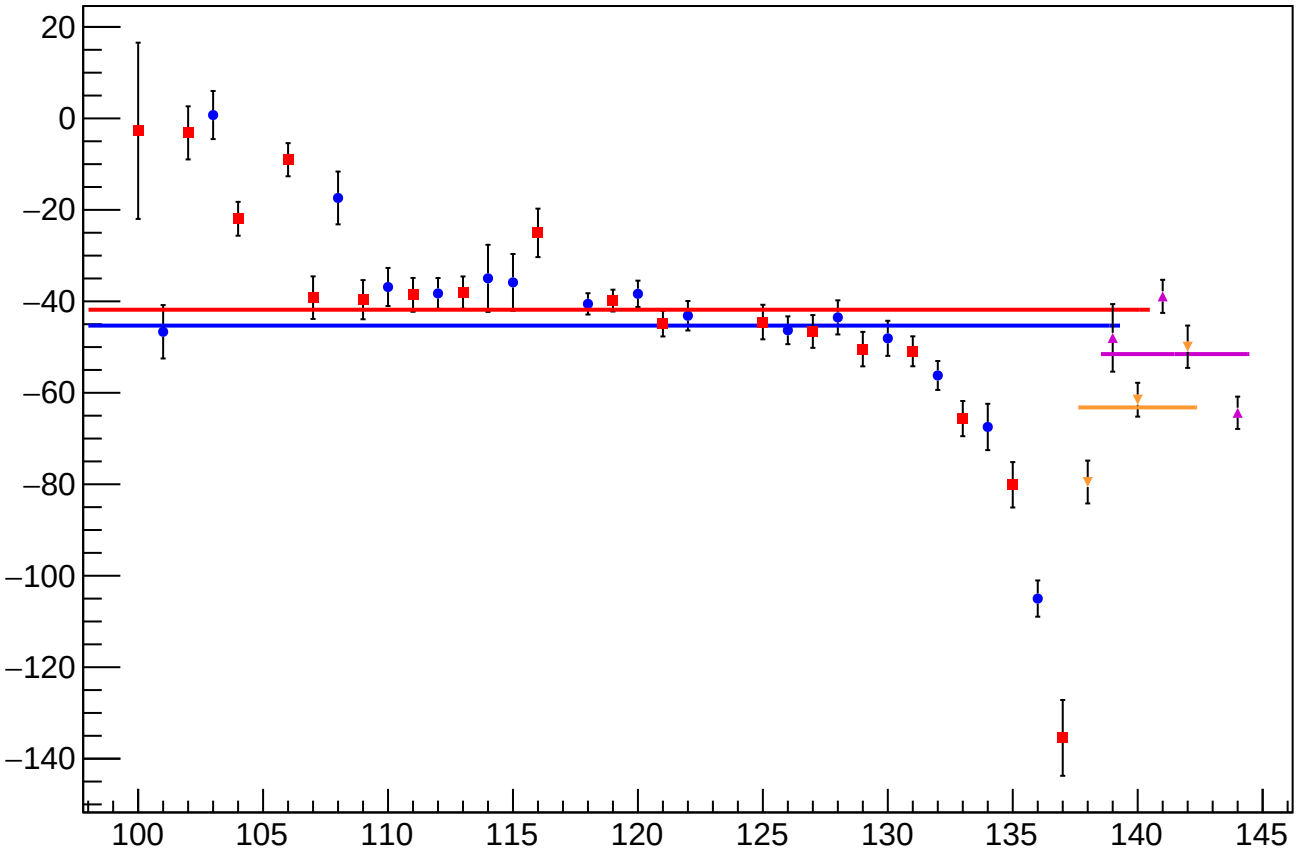
Left: -223.437+/-1.793 χ^2/NDF: 152.5/5

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -179.542+/-0.852 χ^2/NDF:3132.9/18

Out: -161.028+/-0.805 χ^2/NDF:5270.9/20

All: -169.765+/-0.585 χ^2/NDF: 8653.2/39



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -63.200+/-2.458 χ^2/NDF:20.6/2

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -51.531+/-2.390 χ^2/NDF:25.6/2

Left: -57.203+/-1.714 χ^2/NDF: 57.8/5

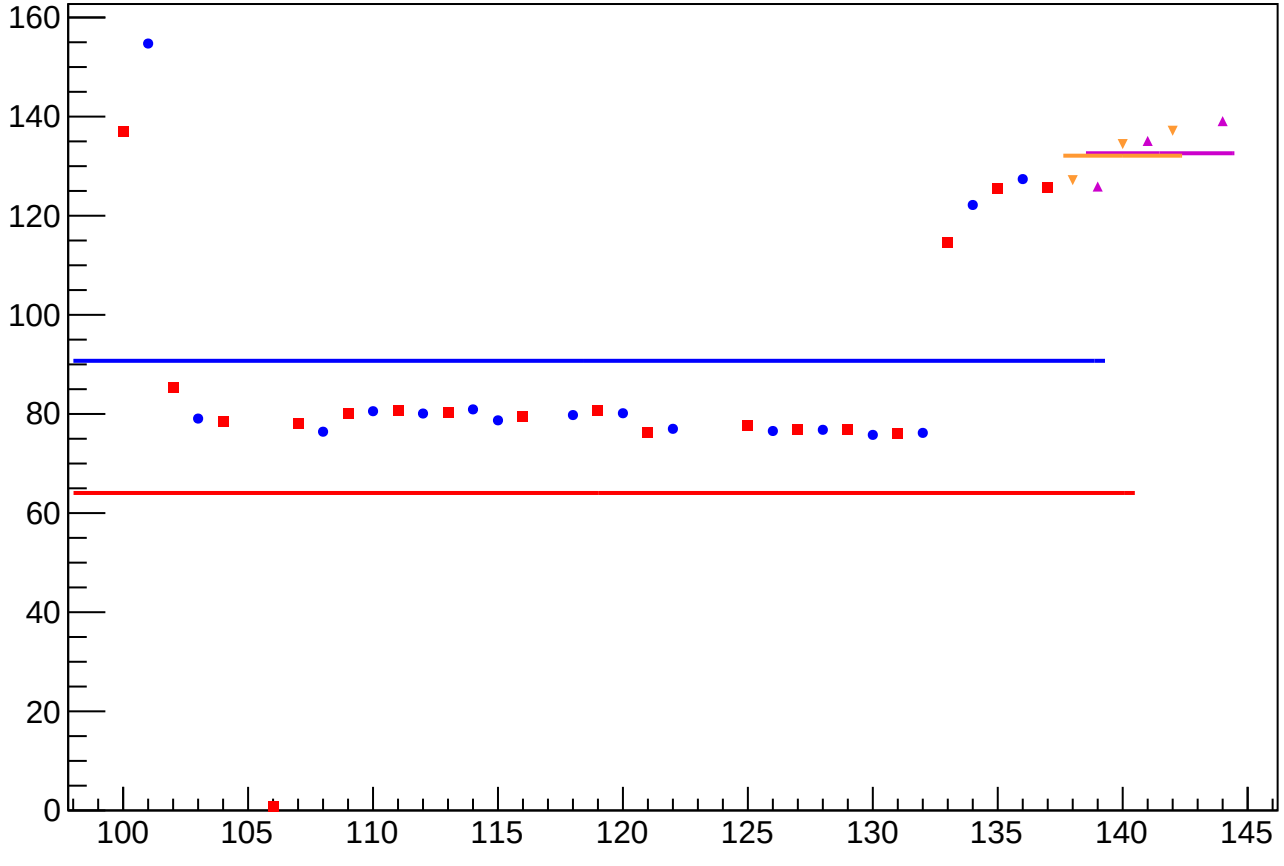
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.135+/-0.873 χ^2/NDF:413.6/18

Out: -44.405+/-0.853 χ^2/NDF:501.3/20

All: -45.250+/-0.610 χ^2/NDF: 916.9/39

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: 132.115+/-0.109 χ^2/NDF:1395.6/2

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 132.602+/-0.100 χ^2/NDF:3171.9/2

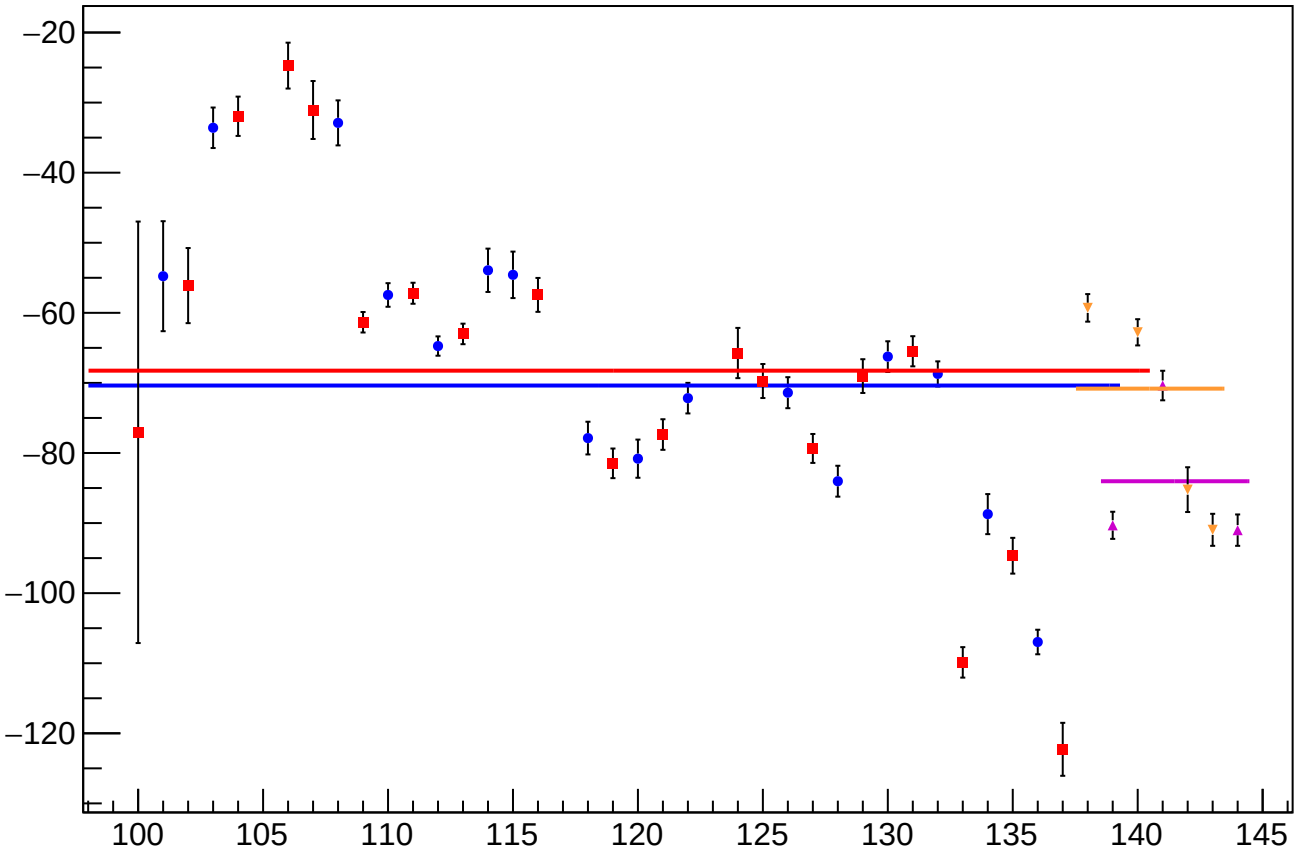
Left: 132.381+/-0.074 χ^2/NDF: 4578.3/5

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 101.432+/-0.050 χ^2/NDF:295399.6/18

Out: 75.539+/-0.045 χ^2/NDF:983844.2/20

All: 86.995+/-0.034 χ^2/NDF: 1426069.5/39



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -70.816+/-1.095 χ^2/NDF:151.0/3

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -84.031+/-1.202 χ^2/NDF:62.2/2

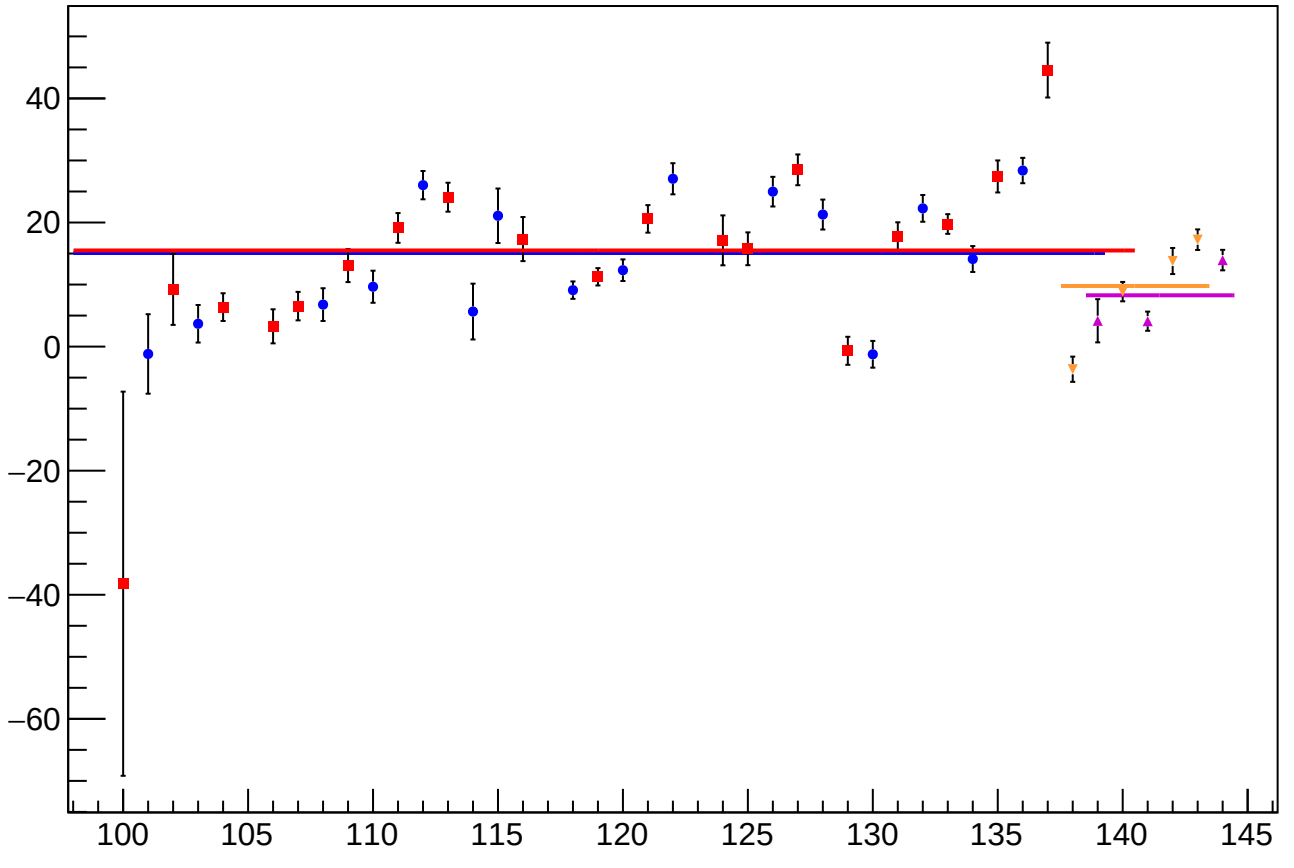
Left: -76.808+/-0.810 χ^2/NDF: 279.2/6

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -72.793+/-0.506 χ^2/NDF:1143.3/18

Out: -68.734+/-0.475 χ^2/NDF:1461.4/22

All: -70.633+/-0.346 χ^2/NDF: 2638.9/41



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.773+/-0.898 χ^2/NDF:67.8/3

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 8.269+/-1.074 χ^2/NDF:20.5/2

Left: 9.154+/-0.689 χ^2/NDF: 89.4/6

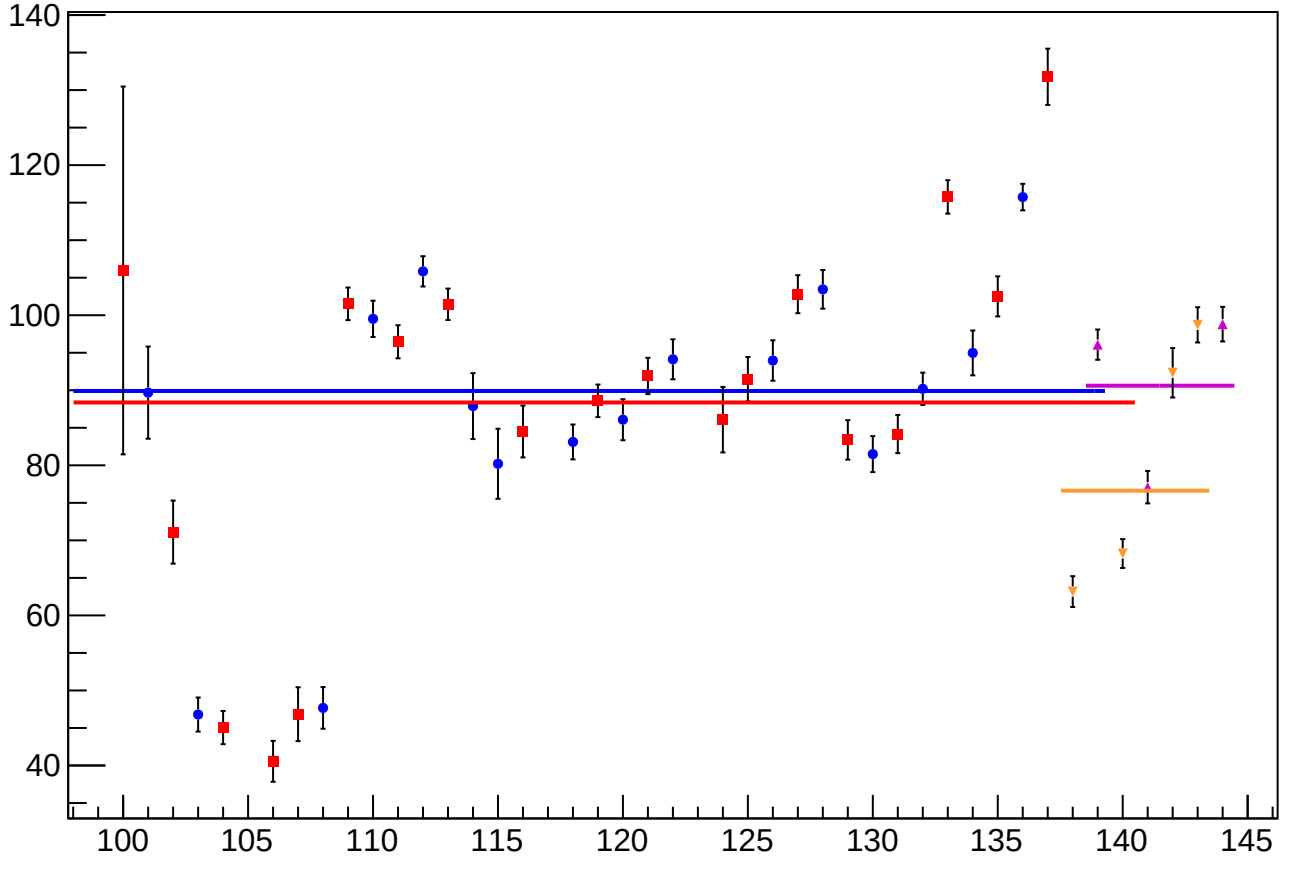
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 13.548+/-0.511 χ^2/NDF:294.1/18

Out: 13.897+/-0.474 χ^2/NDF:336.3/22

All: 13.736+/-0.348 χ^2/NDF: 630.7/41

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: 76.622+/-1.132 χ^2/NDF:173.1/3

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 90.609+/-1.242 χ^2/NDF:59.1/2

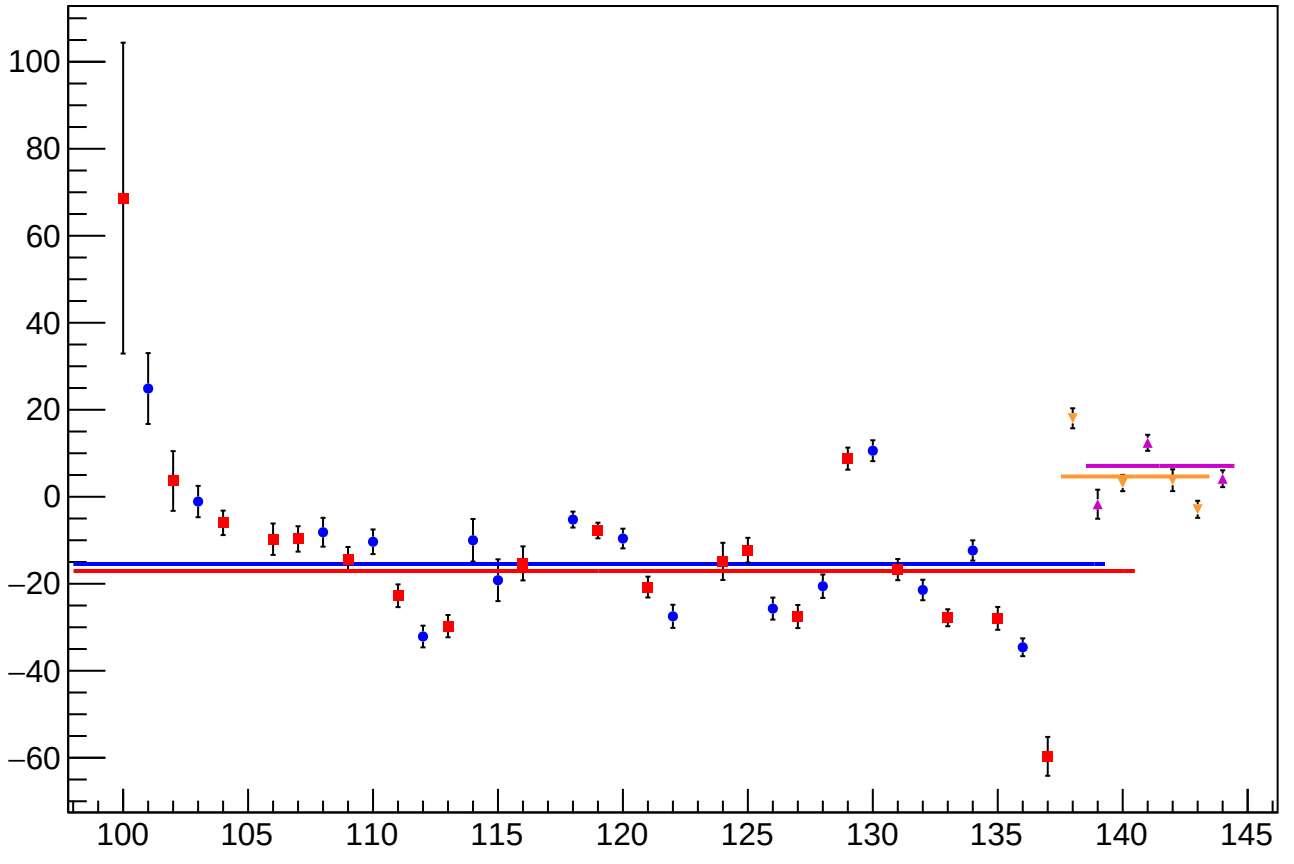
Left: 82.965+/-0.837 χ^2/NDF: 301.5/6

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 90.054+/-0.569 χ^2/NDF:1007.1/18

Out: 85.679+/-0.542 χ^2/NDF:1545.1/22

All: 87.759+/-0.393 χ^2/NDF: 2583.1/41



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 4.663+/-1.058 χ^2/NDF:49.4/3

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 7.089+/-1.237 χ^2/NDF:17.6/2

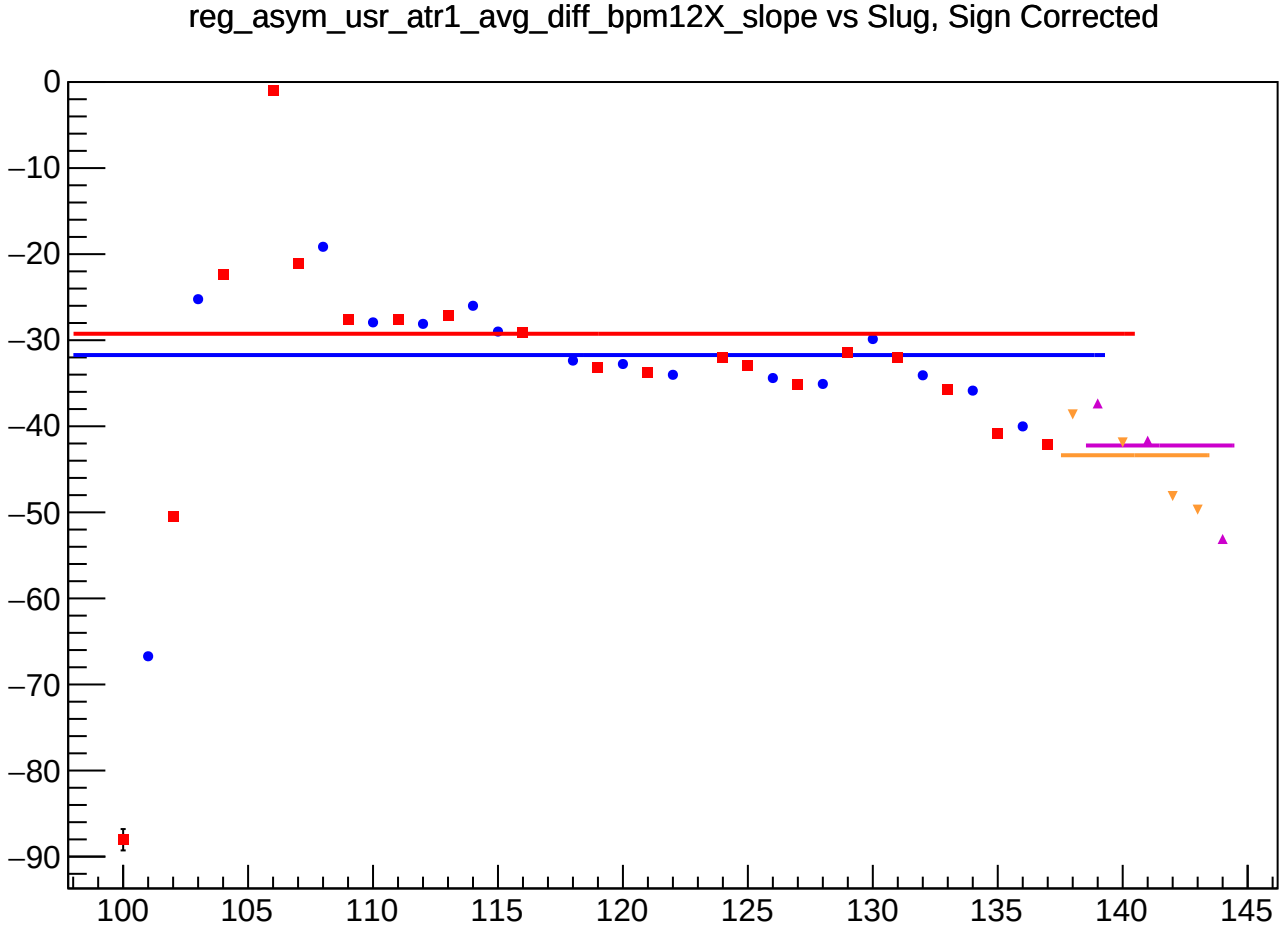
Left: 5.688+/-0.804 χ^2/NDF: 69.2/6

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -10.397+/-0.586 χ^2/NDF:661.6/18

Out: -11.197+/-0.550 χ^2/NDF:718.2/22

All: -10.823+/-0.401 χ^2/NDF: 1380.7/41



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -43.366+/-0.047 χ^2/NDF:9143.3/3

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -42.232+/-0.049 χ^2/NDF:15727.9/2

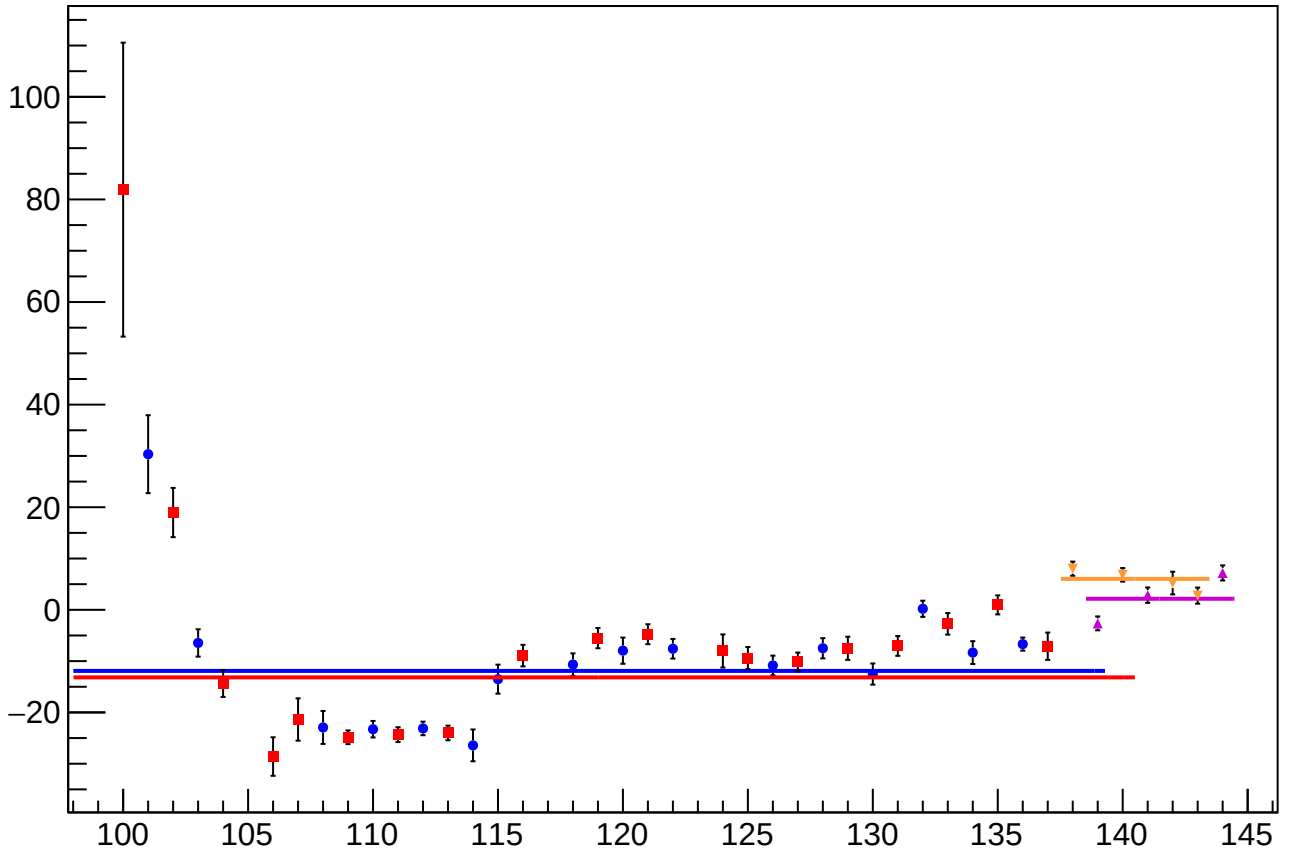
Left: -42.820+/-0.034 χ^2/NDF: 25148.5/6

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -35.731+/-0.030 χ^2/NDF:83743.6/18

Out: -34.869+/-0.030 χ^2/NDF:158106.5/22

All: -35.293+/-0.021 χ^2/NDF: 242261.3/41



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 6.034+/-0.765 χ^2/NDF:6.9/3

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: 2.158+/-0.830 χ^2/NDF:24.5/2

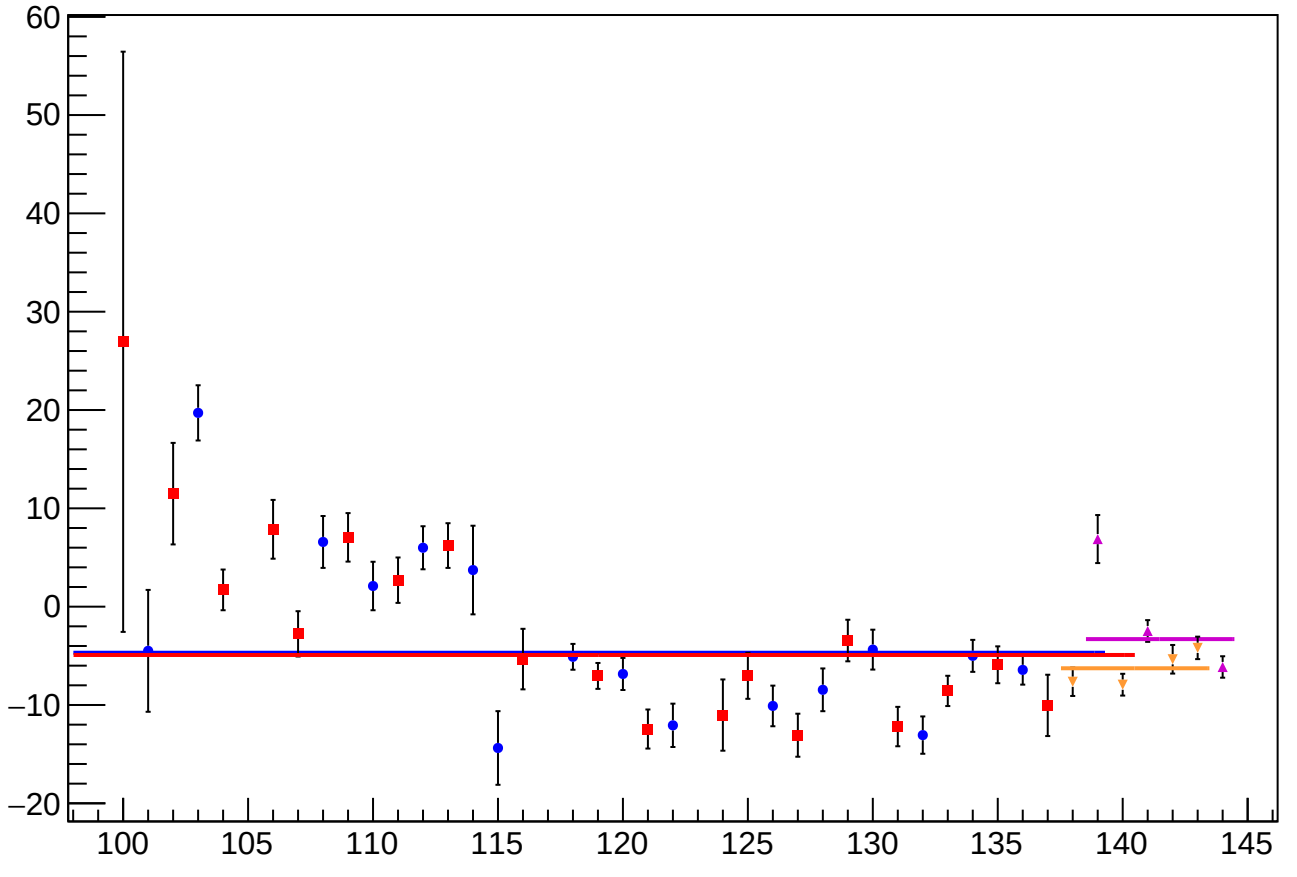
Left: 4.254+/-0.563 χ^2/NDF: 43.2/6

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.199+/-0.426 χ^2/NDF:517.9/18

Out: -7.745+/-0.407 χ^2/NDF:880.2/22

All: -7.962+/-0.294 χ^2/NDF: 1398.7/41



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.266+/-0.628 χ^2/NDF:6.9/3

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.299+/-0.740 χ^2/NDF:24.7/2

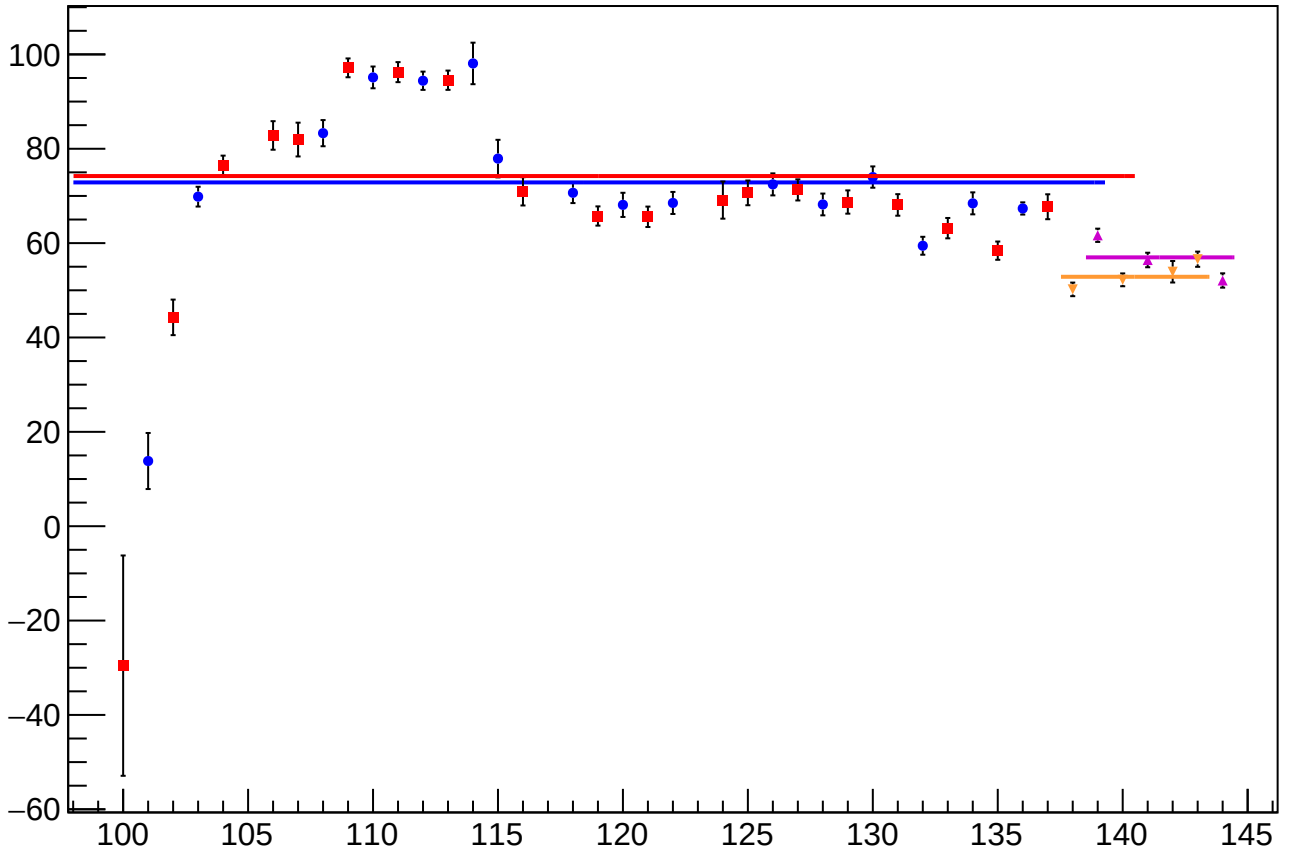
Left: -5.022+/-0.479 χ^2/NDF: 40.9/6

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.231+/-0.424 χ^2/NDF:206.1/18

Out: -5.454+/-0.397 χ^2/NDF:165.5/22

All: -4.882+/-0.290 χ^2/NDF: 376.0/41



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 52.866+/-0.791 χ^2/NDF:9.2/3

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 56.980+/-0.858 χ^2/NDF:21.6/2

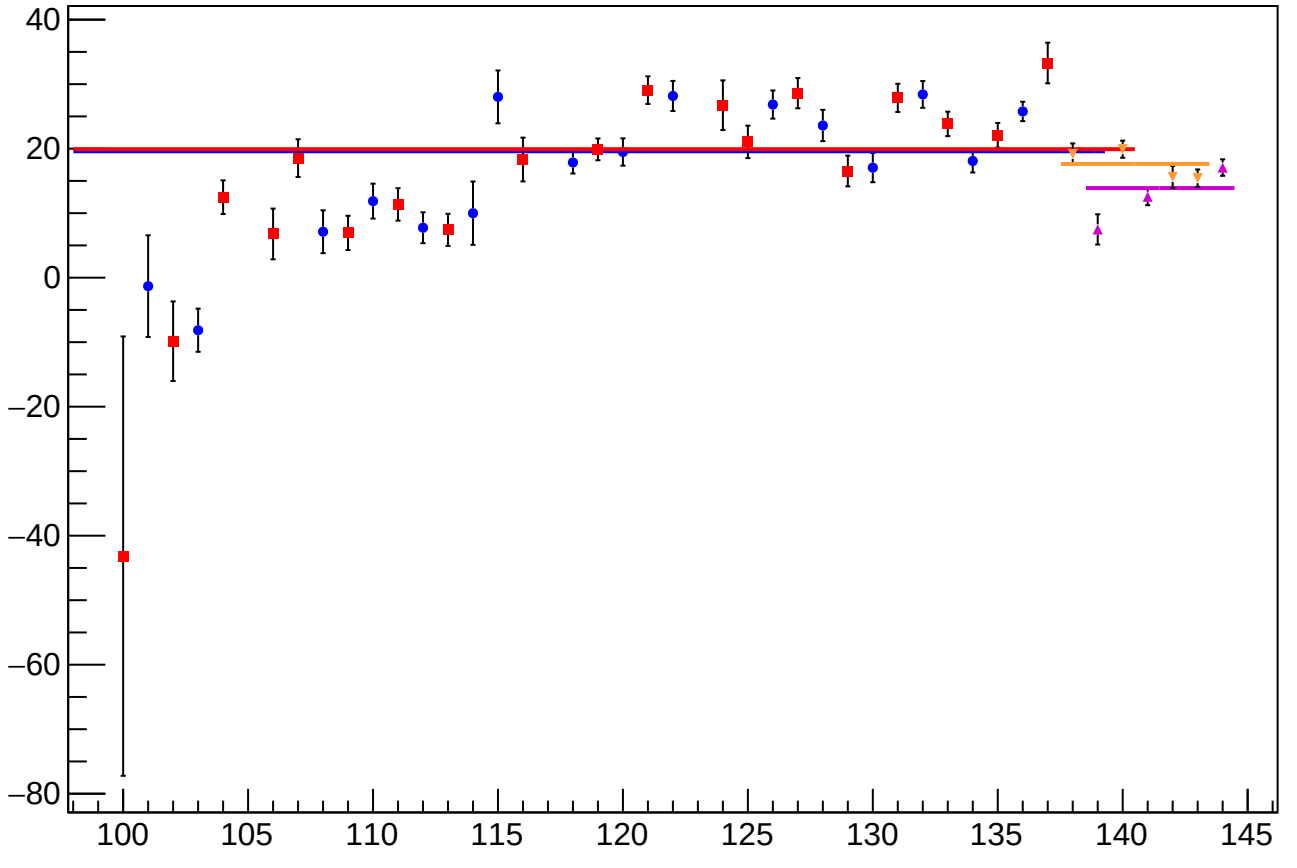
Left: 54.756+/-0.581 χ^2/NDF: 43.2/6

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.055+/-0.472 χ^2/NDF:711.4/18

Out: 67.049+/-0.458 χ^2/NDF:1079.5/22

All: 67.537+/-0.329 χ^2/NDF: 1793.3/41



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.632+/-0.739 χ^2/NDF:7.9/3

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 13.890+/-0.852 χ^2/NDF:14.7/2

Left: 16.024+/-0.558 χ^2/NDF: 33.6/6

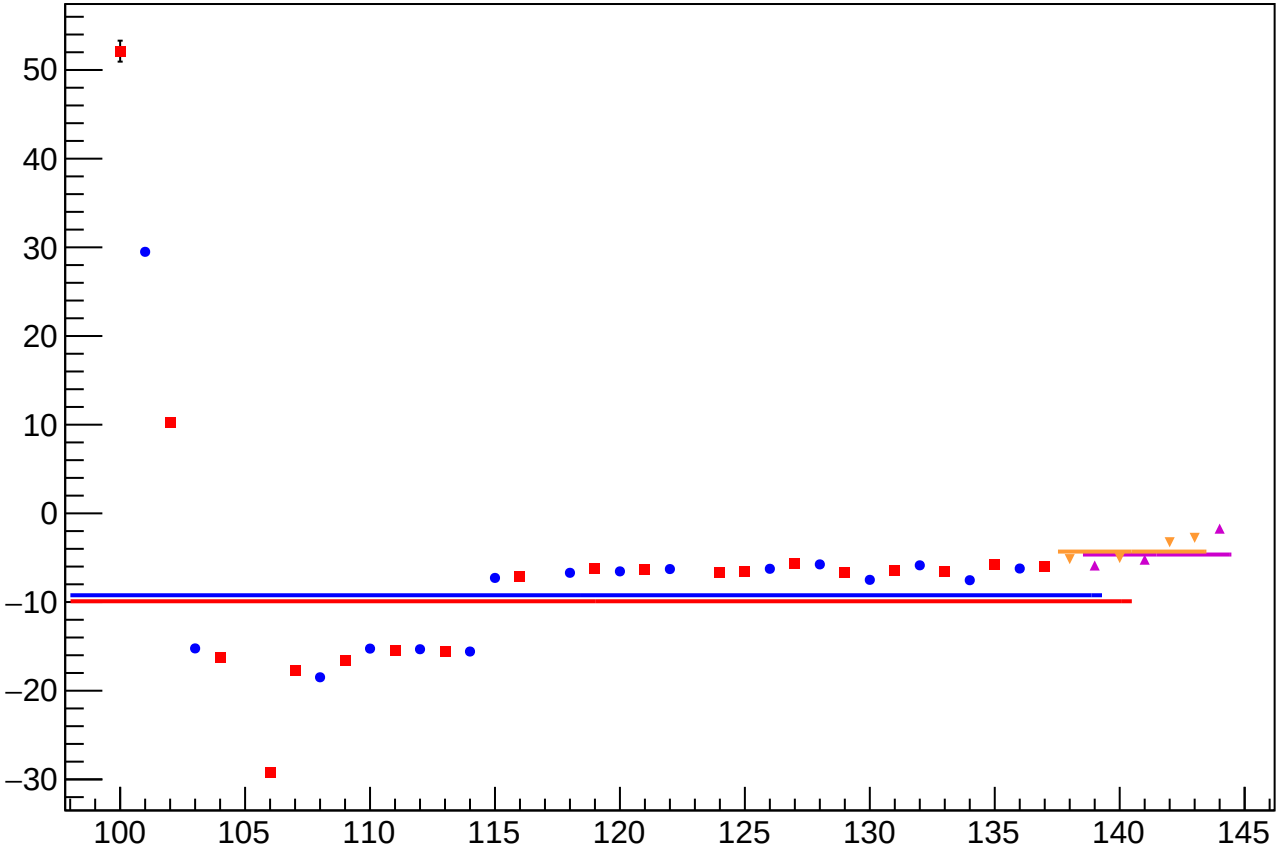
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.766+/-0.482 χ^2/NDF:241.2/18

Out: 19.038+/-0.459 χ^2/NDF:195.1/22

All: 18.434+/-0.332 χ^2/NDF: 440.0/41

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -4.309+/-0.033 χ^2/NDF:1036.7/3

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -4.643+/-0.034 χ^2/NDF:2540.9/2

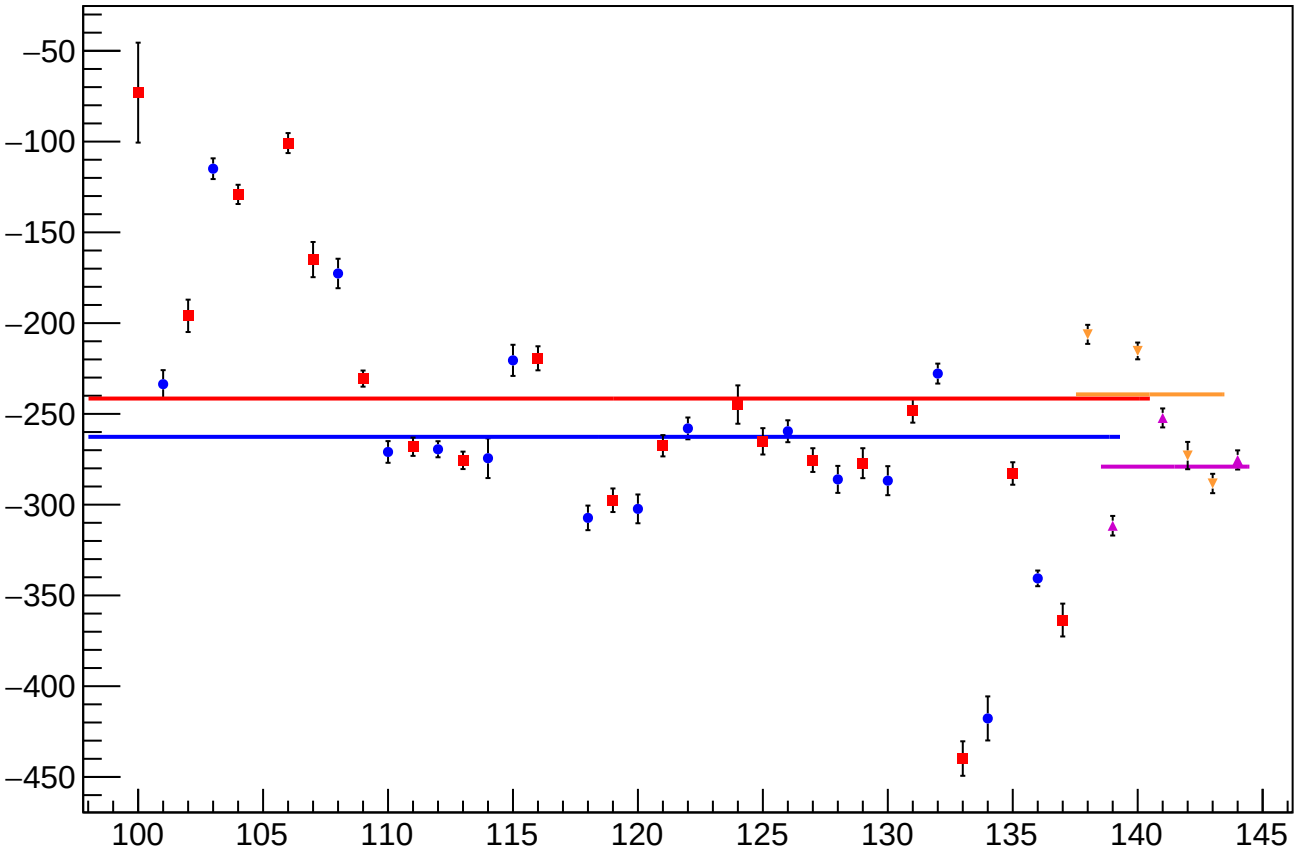
Left: -4.470+/-0.024 χ^2/NDF: 3627.4/6

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.018+/-0.024 χ^2/NDF:43137.5/18

Out: -6.983+/-0.024 χ^2/NDF:68745.8/22

All: -7.001+/-0.017 χ^2/NDF: 111884.4/41



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -239.257+/-2.710 χ^2/NDF:171.6/3

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -279.062+/-3.059 χ^2/NDF:63.2/2

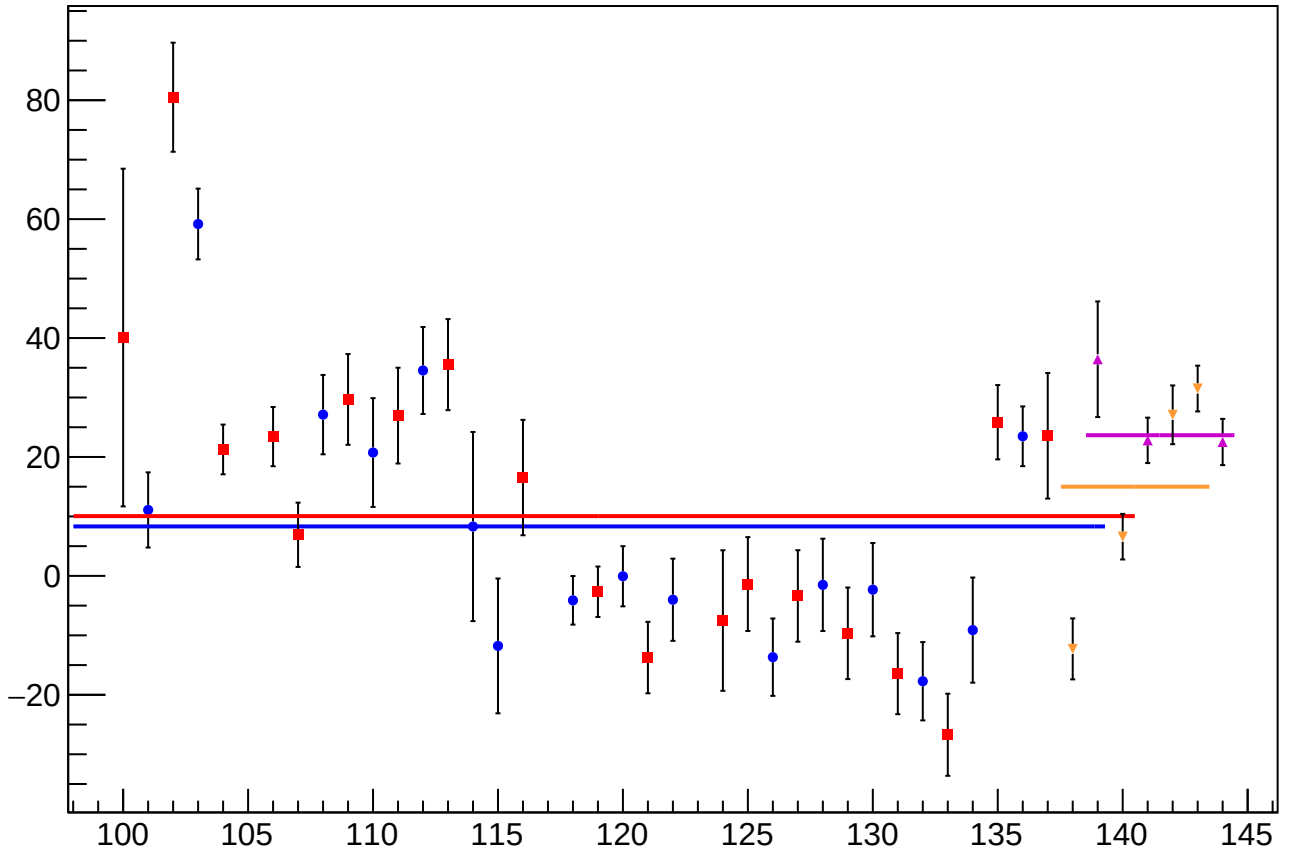
Left: -256.754+/-2.028 χ^2/NDF: 329.7/6

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -266.217+/-1.427 χ^2/NDF:1540.0/18

Out: -241.007+/-1.316 χ^2/NDF:2310.7/22

All: -252.594+/-0.968 χ^2/NDF: 4019.3/41



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 15.000+/-2.159 χ^2/NDF:57.5/3

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 23.660+/-2.623 χ^2/NDF:1.9/2

Left: 18.497+/-1.667 χ^2/NDF: 65.9/6

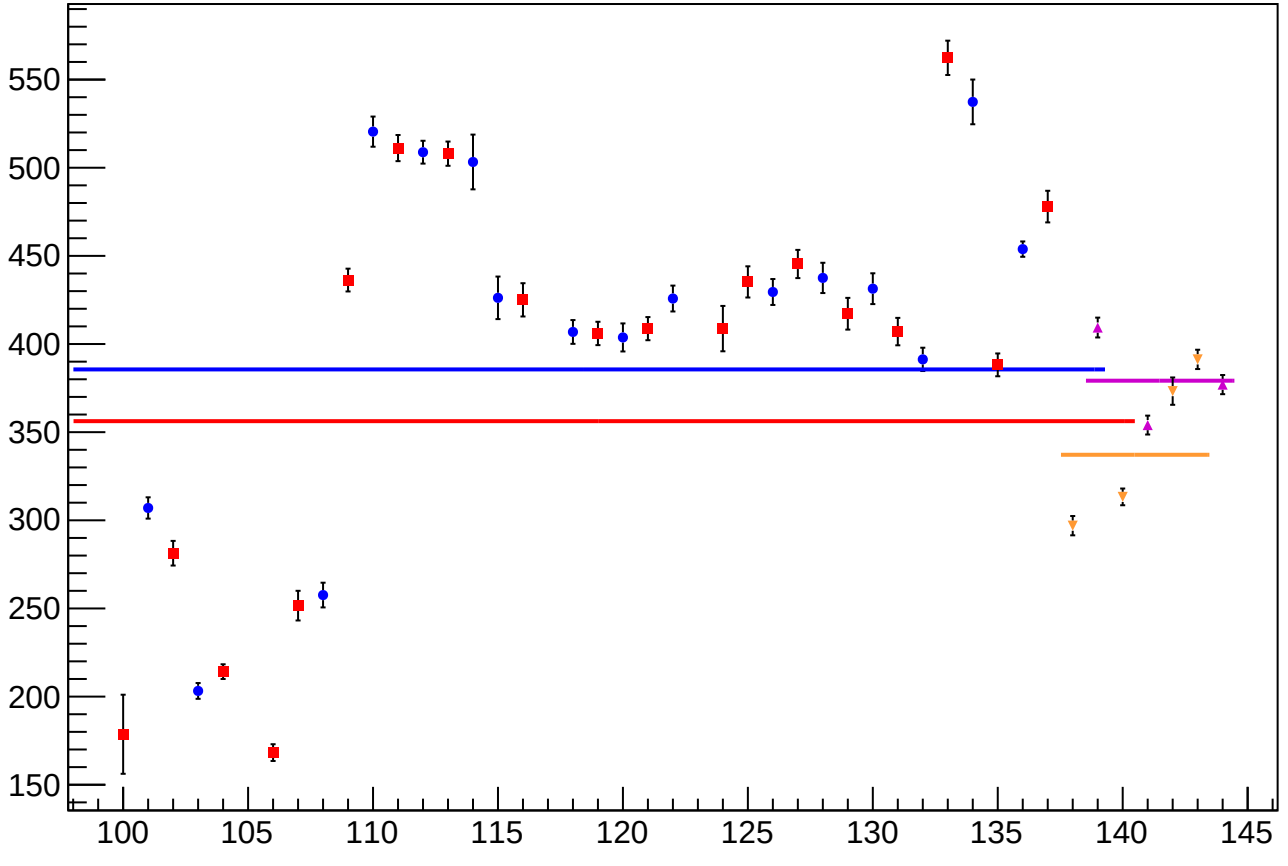
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 12.646+/-1.393 χ^2/NDF:184.1/18

Out: 11.719+/-1.253 χ^2/NDF:248.4/22

All: 12.133+/-0.932 χ^2/NDF: 432.7/41

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: 337.177+/-2.798 χ^2/NDF:198.6/3

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 379.198+/-3.159 χ^2/NDF:50.9/2

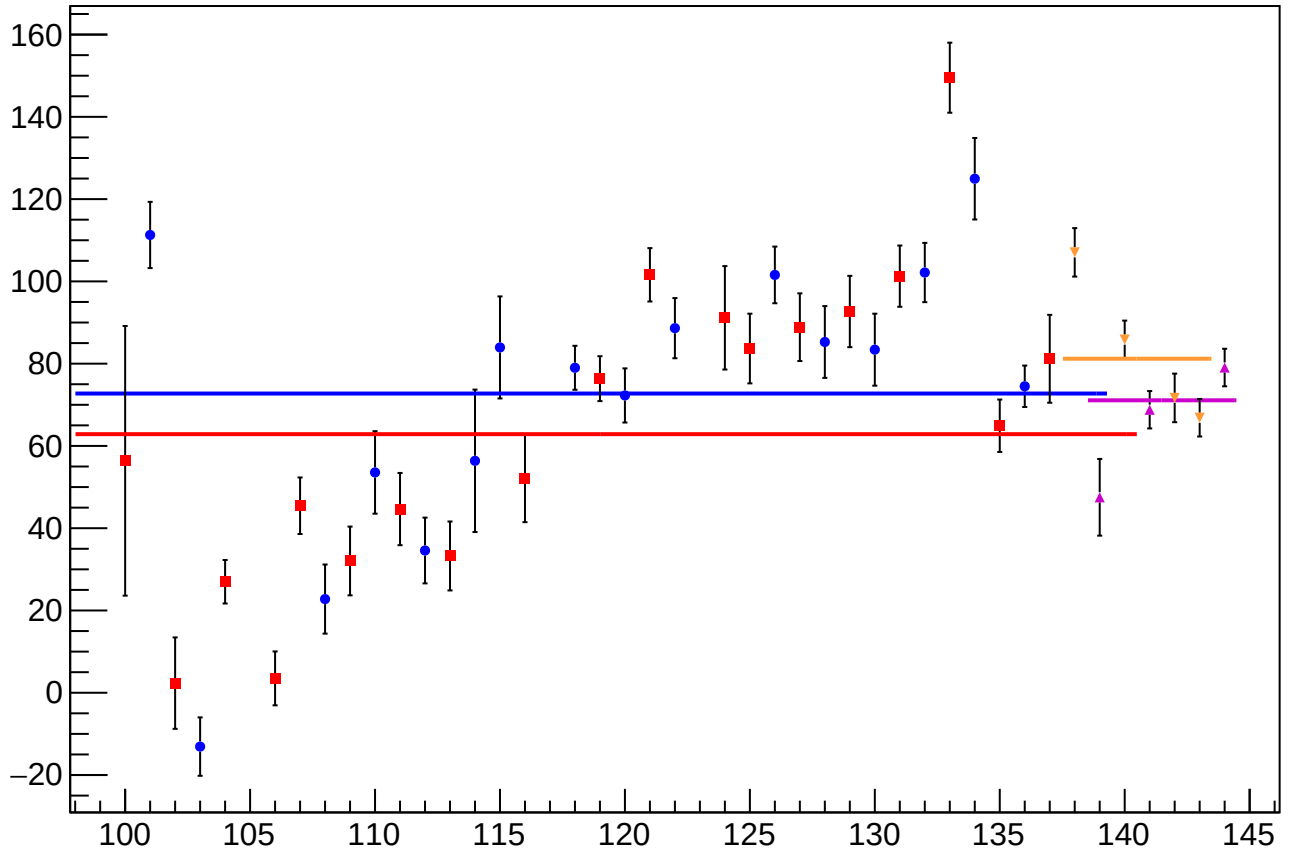
Left: 355.651+/-2.094 χ^2/NDF: 348.7/6

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 384.099+/-1.526 χ^2/NDF:3427.2/18

Out: 351.340+/-1.419 χ^2/NDF:5503.4/22

All: 366.535+/-1.039 χ^2/NDF: 9177.8/41



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 81.206+/-2.560 χ^2/NDF:32.8/3

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 71.092+/-3.044 χ^2/NDF:9.7/2

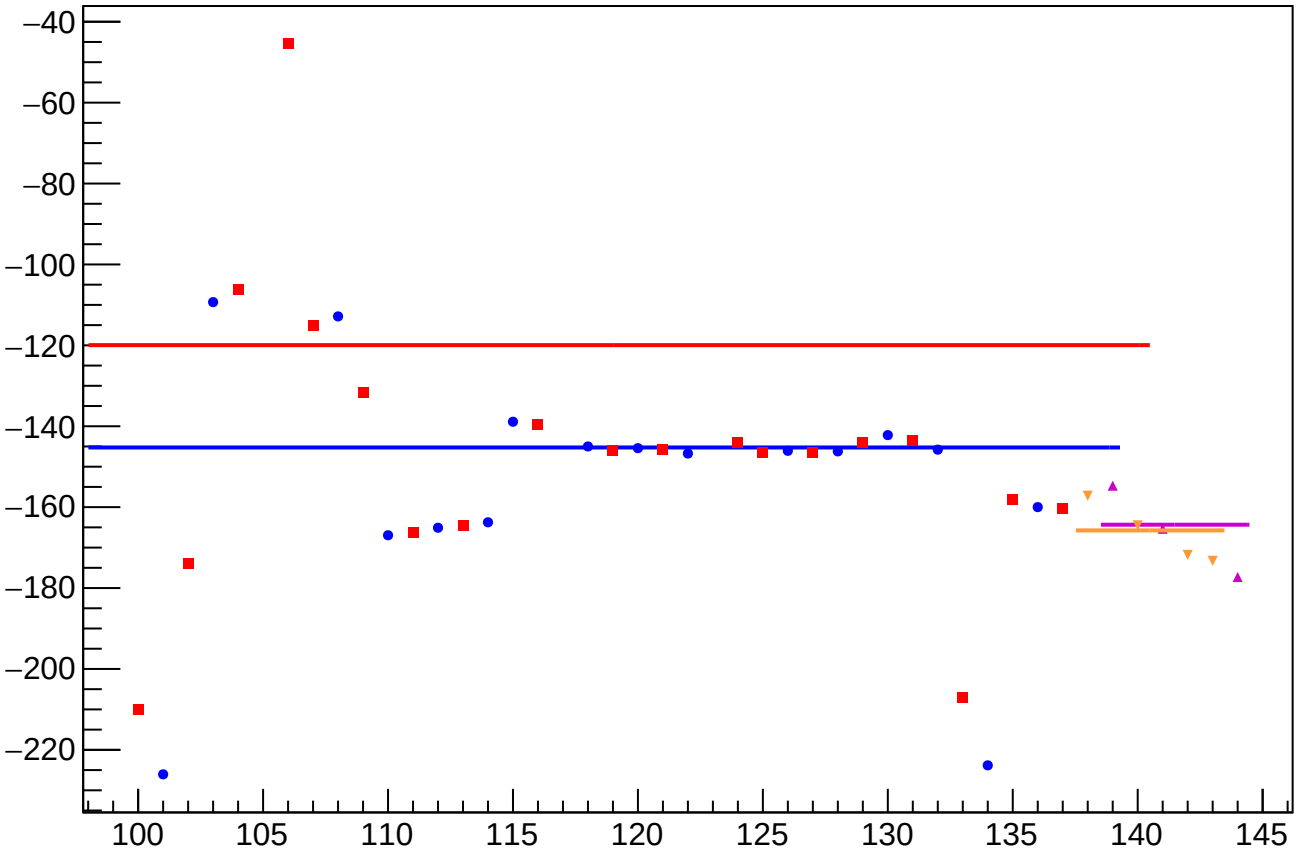
Left: 77.017+/-1.959 χ^2/NDF: 48.9/6

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 72.279+/-1.610 χ^2/NDF:314.2/18

Out: 68.908+/-1.470 χ^2/NDF:470.8/22

All: 70.440+/-1.085 χ^2/NDF: 787.4/41



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -165.744+/-0.118 χ^2/NDF:2994.5/3

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -164.340+/-0.127 χ^2/NDF:5156.3/2

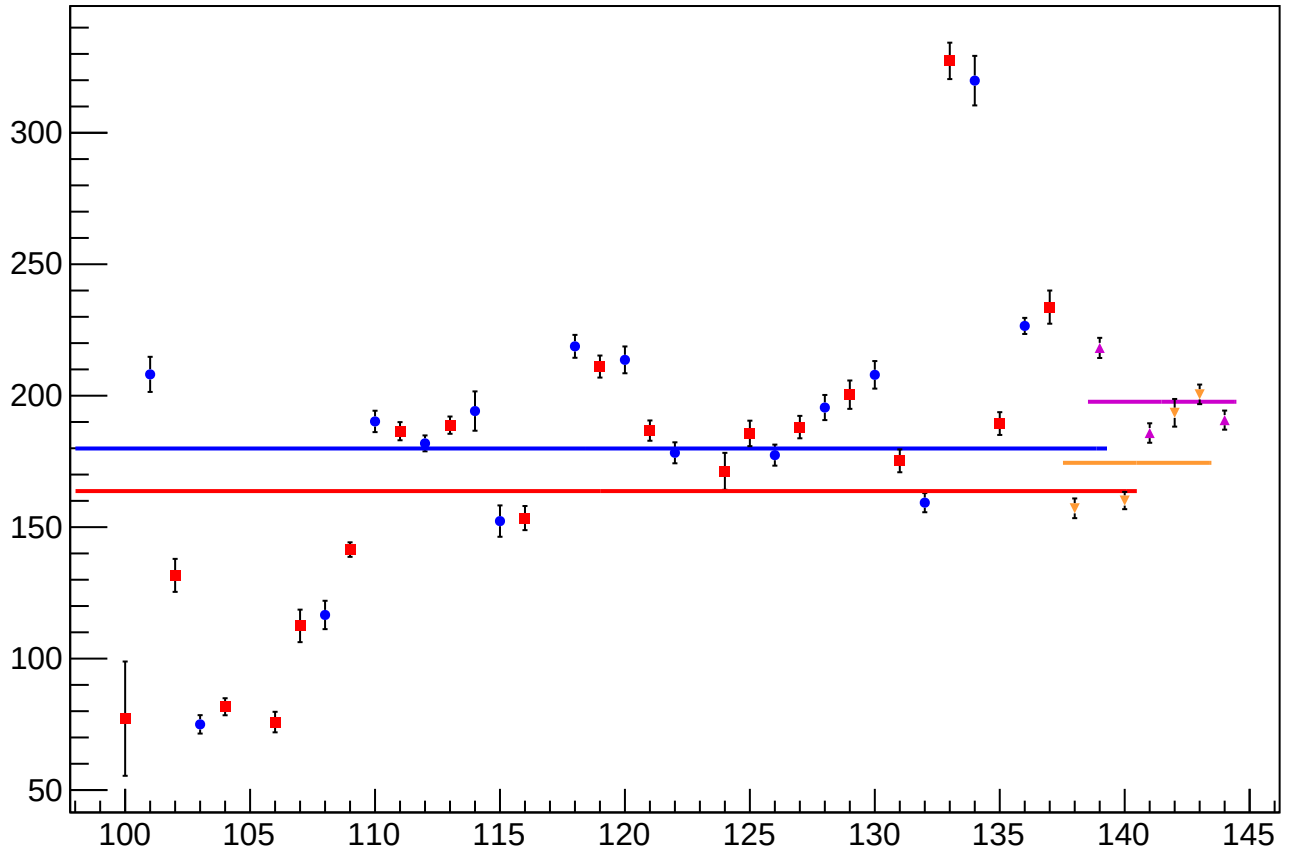
Left: -165.092+/-0.086 χ^2/NDF: 8216.6/6

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -152.428+/-0.078 χ^2/NDF:151393.6/18

Out: -136.559+/-0.071 χ^2/NDF:369458.0/22

All: -143.785+/-0.052 χ^2/NDF: 543584.3/41



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 174.468+/-1.916 χ^2/NDF:102.5/3

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 197.693+/-2.148 χ^2/NDF:42.6/2

Left: 184.758+/-1.430 χ^2/NDF: 210.2/6

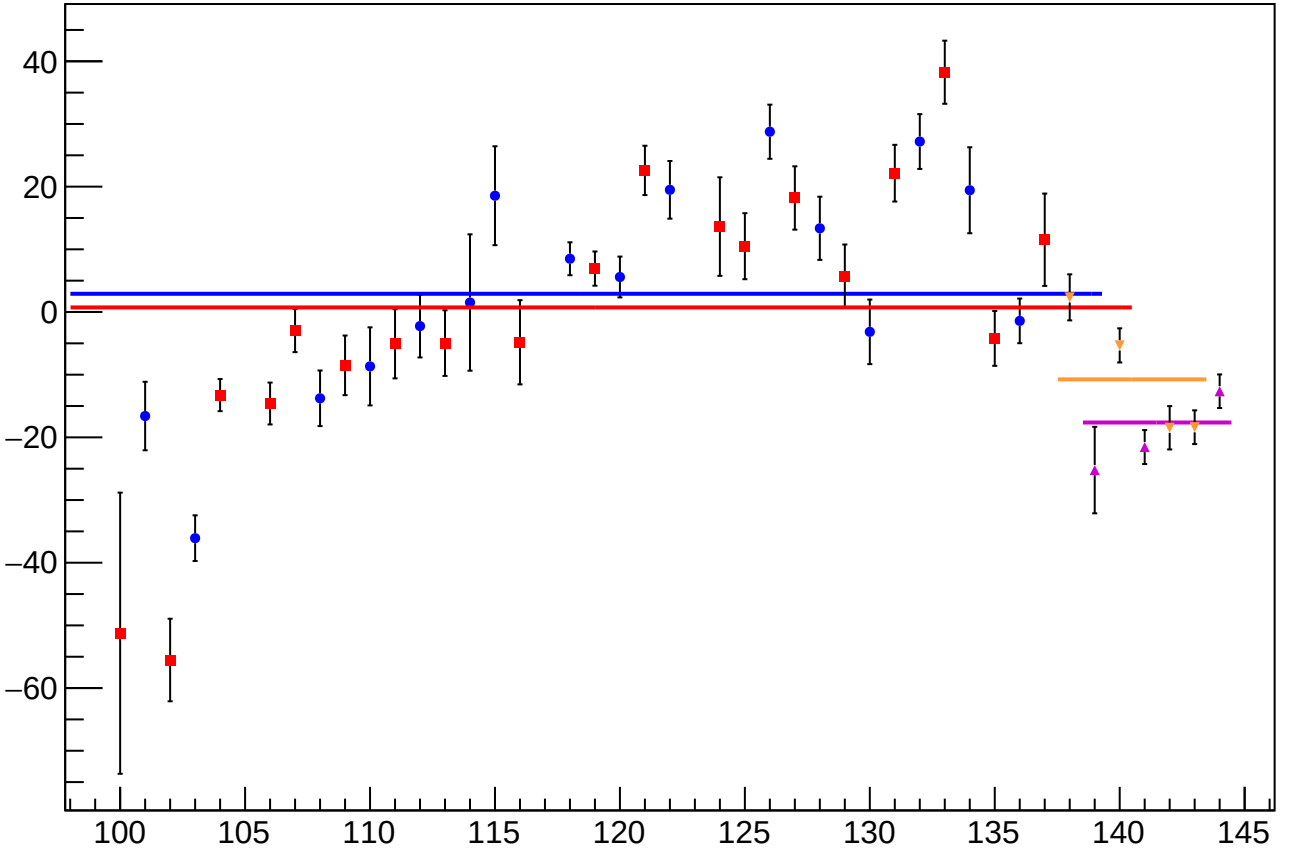
Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 183.550+/-0.971 χ^2/NDF:1829.7/18

Out: 166.023+/-0.887 χ^2/NDF:2544.0/22

All: 173.996+/-0.655 χ^2/NDF: 4551.4/41

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.750+/-1.524 χ^2/NDF:29.7/3

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -17.628+/-1.836 χ^2/NDF:6.8/2

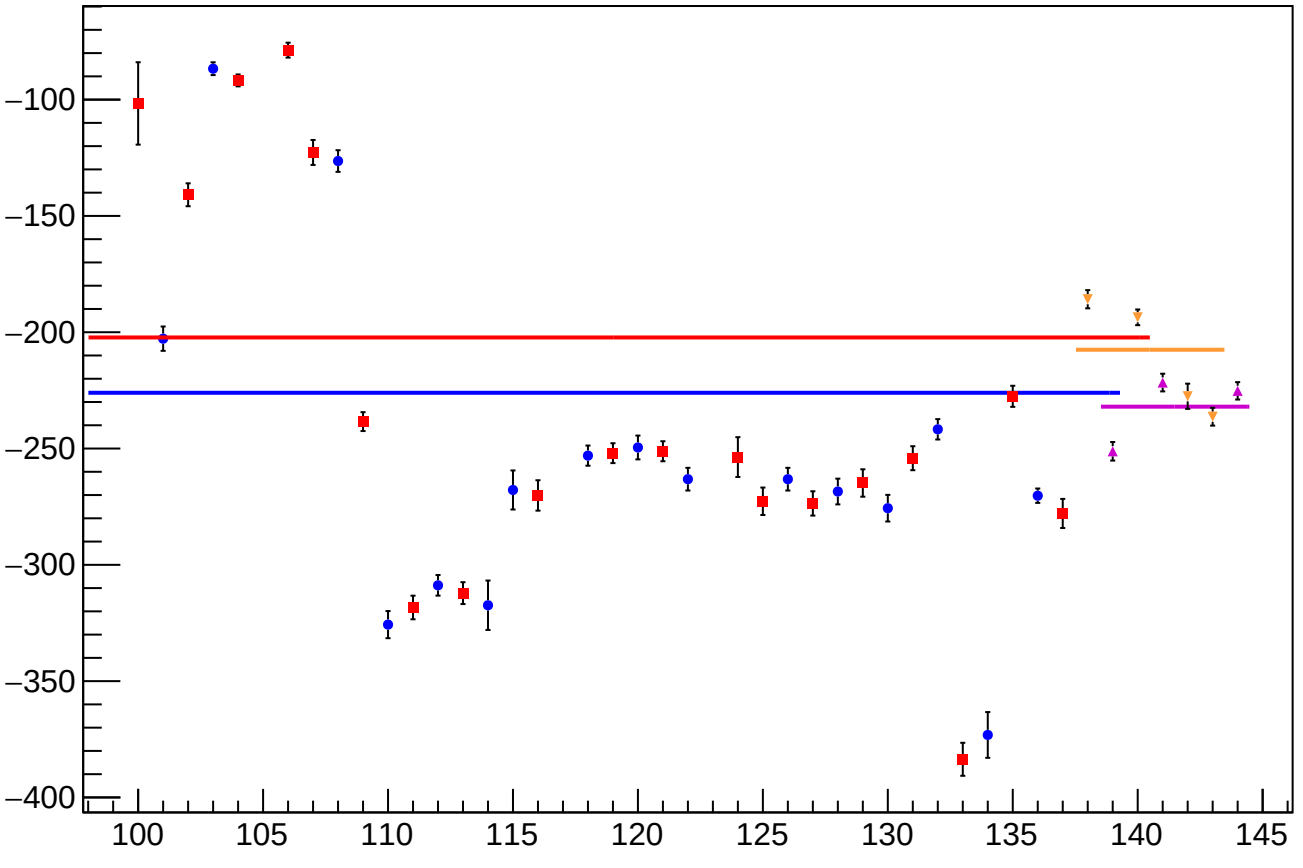
Left: -13.555+/-1.172 χ^2/NDF: 44.8/6

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.551+/-0.947 χ^2/NDF:346.1/18

Out: -2.786+/-0.843 χ^2/NDF:342.7/22

All: -2.682+/-0.630 χ^2/NDF: 688.8/41



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.525+/-1.978 χ^2/NDF:118.1/3

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -232.001+/-2.217 χ^2/NDF:33.8/2

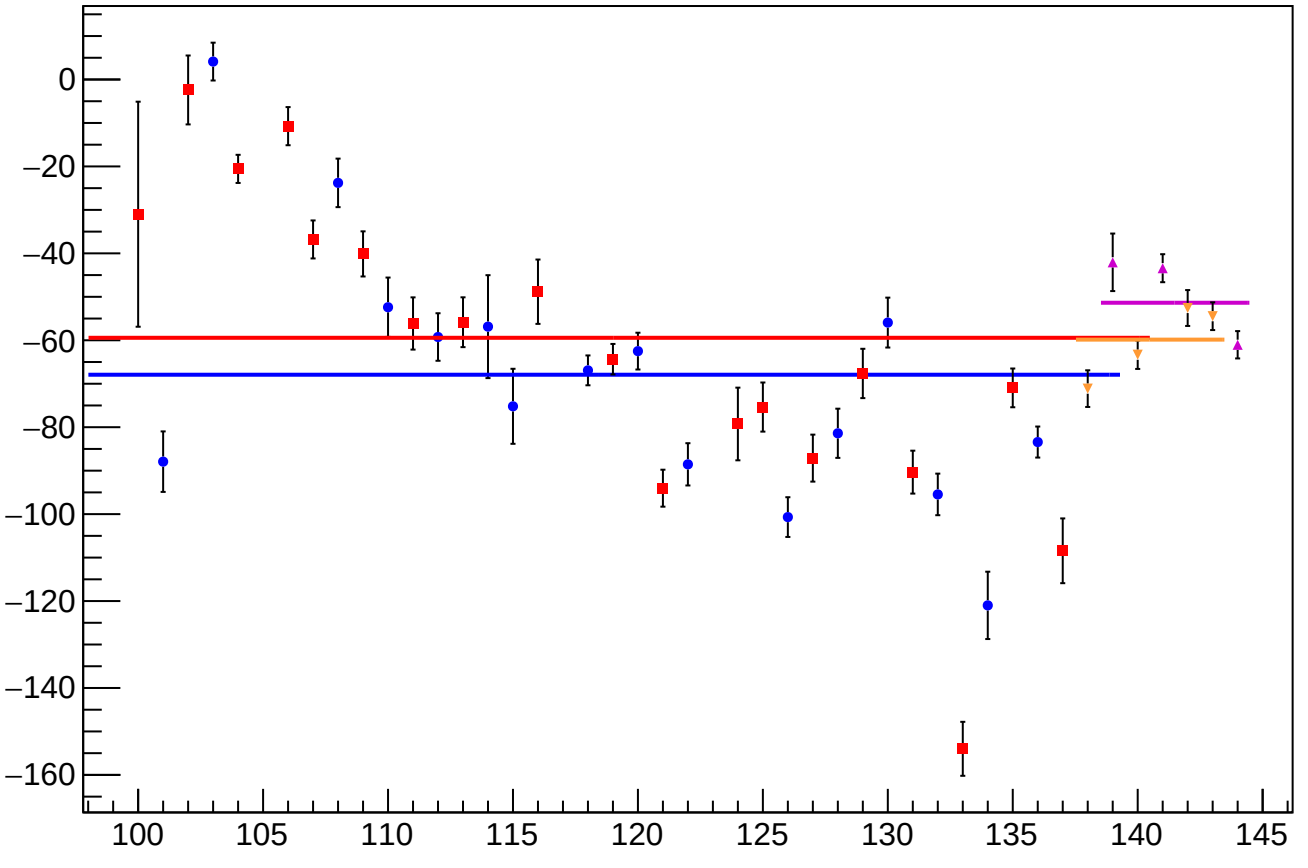
Left: -218.370+/-1.476 χ^2/NDF: 219.8/6

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -227.337+/-1.038 χ^2/NDF:4578.5/18

Out: -203.472+/-0.953 χ^2/NDF:6814.3/22

All: -214.380+/-0.702 χ^2/NDF: 11679.7/41



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -59.850+/-1.806 χ^2/NDF:14.2/3

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -51.366+/-2.130 χ^2/NDF:17.5/2

Left: -56.302+/-1.378 χ^2/NDF: 41.0/6

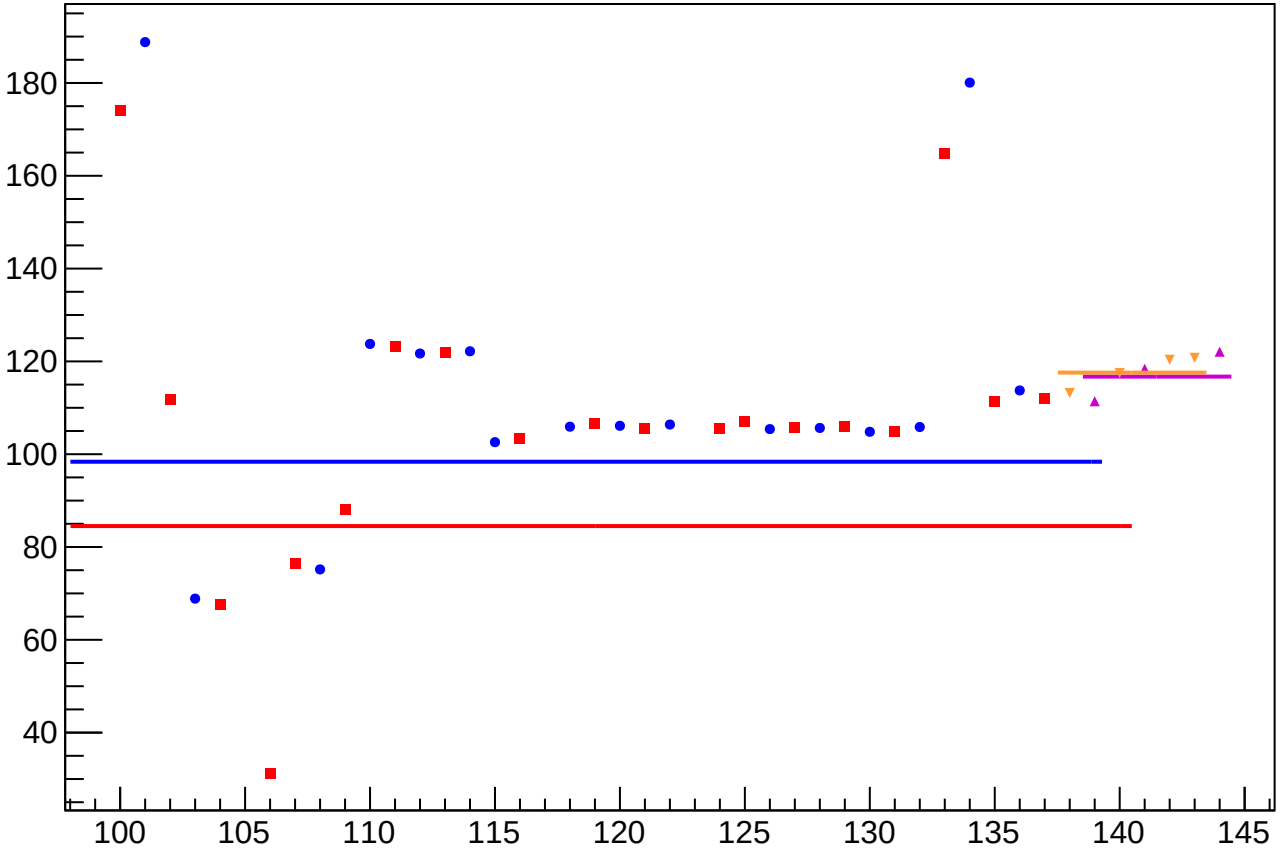
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -63.544+/-1.096 χ^2/NDF:596.0/18

Out: -59.555+/-0.990 χ^2/NDF:809.1/22

All: -61.348+/-0.735 χ^2/NDF: 1412.4/41

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 117.584+/-0.083 χ^2/NDF:1332.7/3

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 116.722+/-0.089 χ^2/NDF:2531.9/2

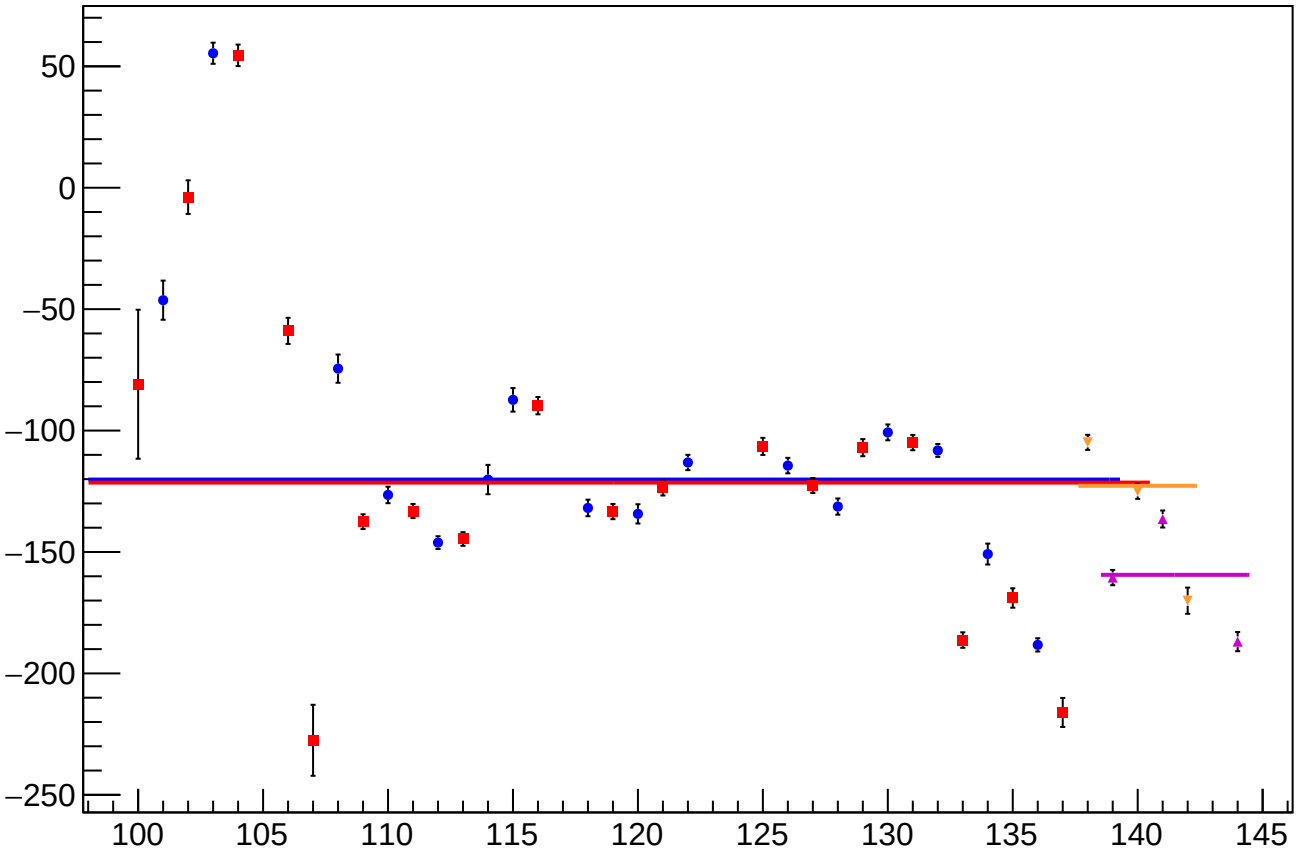
Left: 117.182+/-0.061 χ^2/NDF: 3914.5/6

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 104.884+/-0.053 χ^2/NDF:258321.4/18

Out: 95.958+/-0.049 χ^2/NDF:373220.1/22

All: 100.070+/-0.036 χ^2/NDF: 646809.3/41



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.748+/-2.035 χ^2/NDF:110.8/2

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -159.404+/-2.014 χ^2/NDF:91.7/2

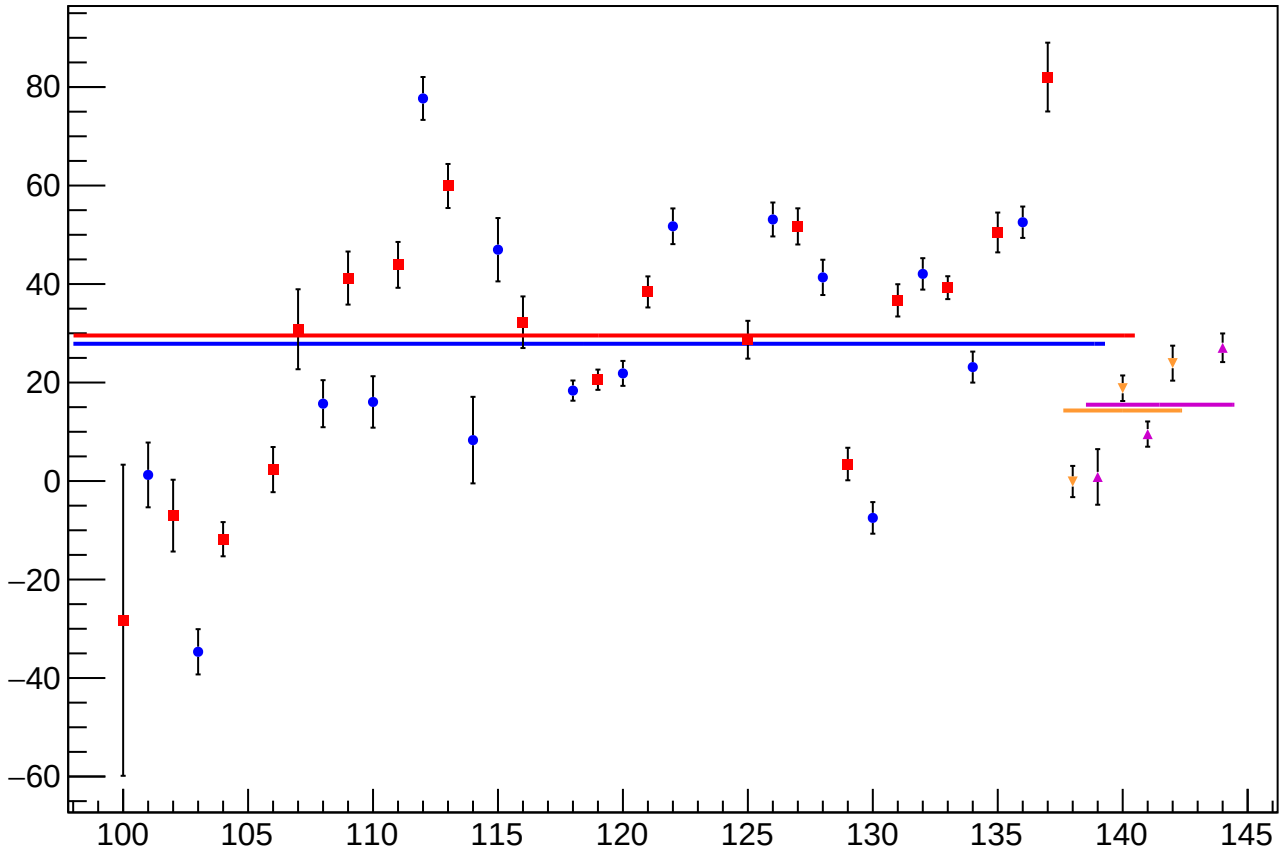
Left: -141.262+/-1.432 χ^2/NDF: 366.4/5

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -126.591+/-0.815 χ^2/NDF:3100.2/18

Out: -121.626+/-0.804 χ^2/NDF:3237.5/20

All: -124.076+/-0.572 χ^2/NDF: 6356.4/39



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 14.322+/-1.748 χ^2/NDF:31.0/2

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 15.498+/-1.820 χ^2/NDF:28.0/2

Left: 14.886+/-1.261 χ^2/NDF: 59.2/5

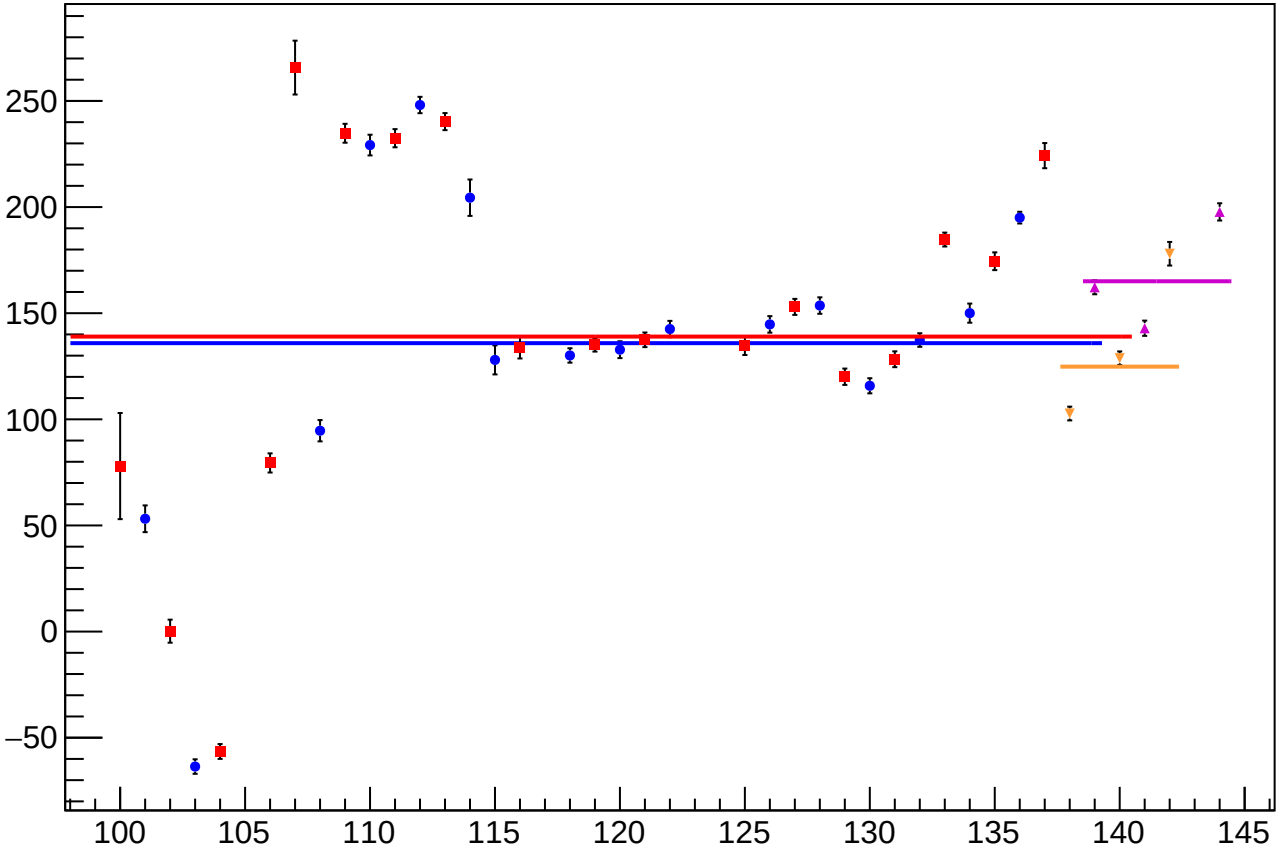
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 25.493+/-0.798 χ^2/NDF:764.9/18

Out: 26.418+/-0.793 χ^2/NDF:588.8/20

All: 25.959+/-0.563 χ^2/NDF: 1354.4/39

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 124.824+/-2.107 χ^2/NDF:139.6/2

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 165.043+/-2.082 χ^2/NDF:103.4/2

Left: 145.169+/-1.481 χ^2/NDF: 427.3/5

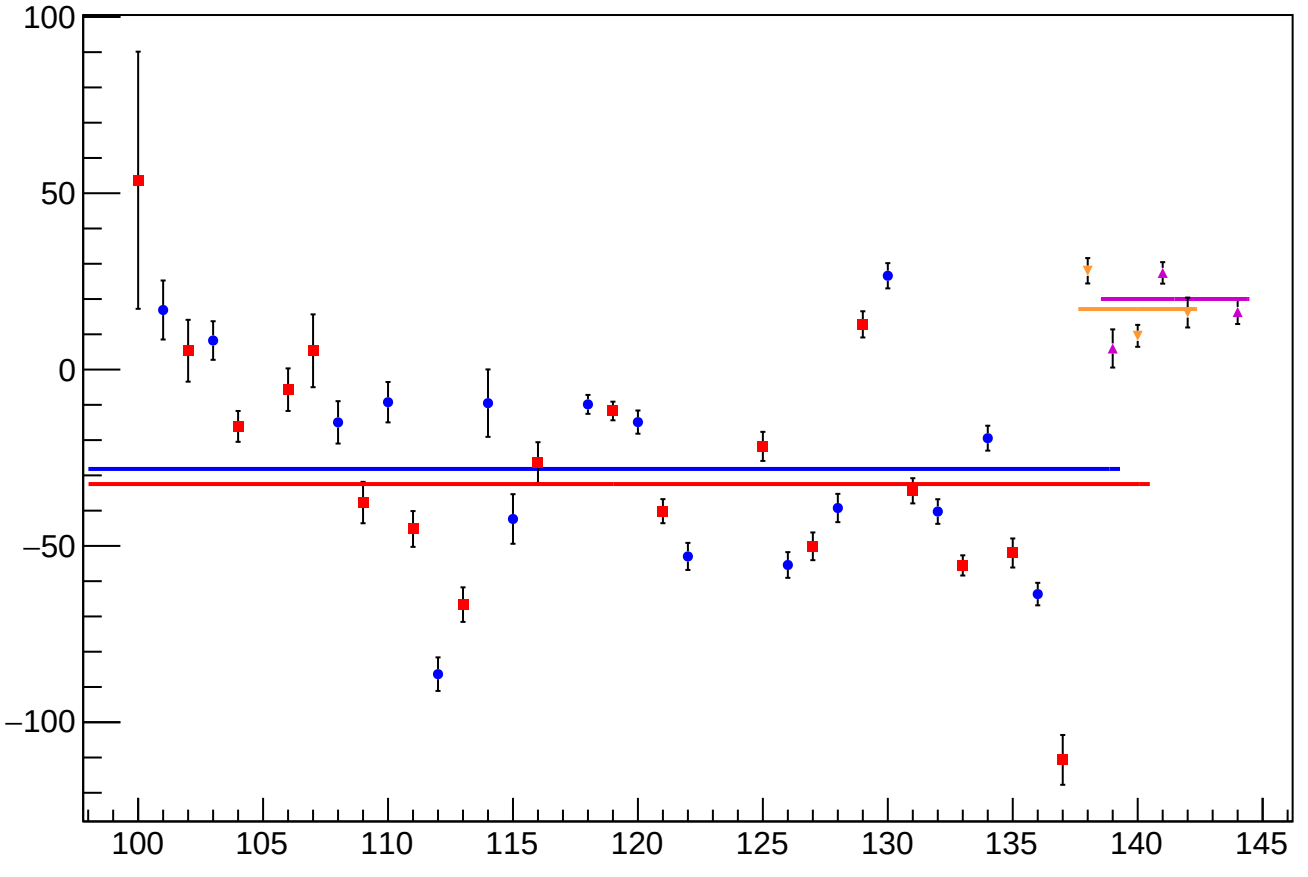
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 141.335+/-0.900 χ^2/NDF:5726.5/18

Out: 136.388+/-0.902 χ^2/NDF:6332.9/20

All: 138.867+/-0.637 χ^2/NDF: 12074.5/39

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: 17.155+/-2.058 χ^2/NDF:15.1/2

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 20.017+/-2.096 χ^2/NDF:13.8/2

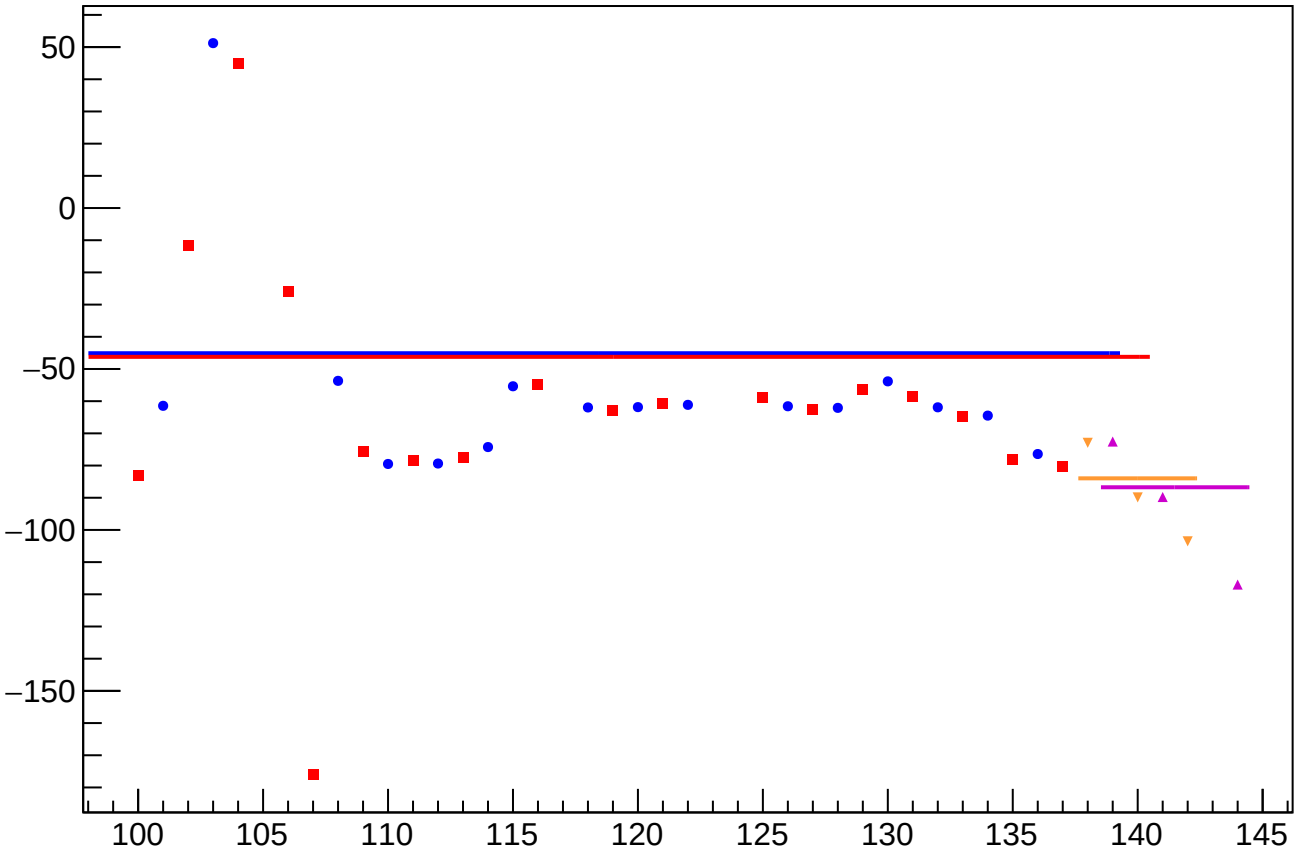
Left: 18.560+/-1.468 χ^2/NDF: 29.8/5

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -18.913+/-0.919 χ^2/NDF:1232.2/18

Out: -22.560+/-0.919 χ^2/NDF:1061.3/20

All: -20.735+/-0.650 χ^2/NDF: 2301.3/39



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -83.973+/-0.088 χ^2/NDF:16485.4/2

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -86.746+/-0.082 χ^2/NDF:42641.6/2

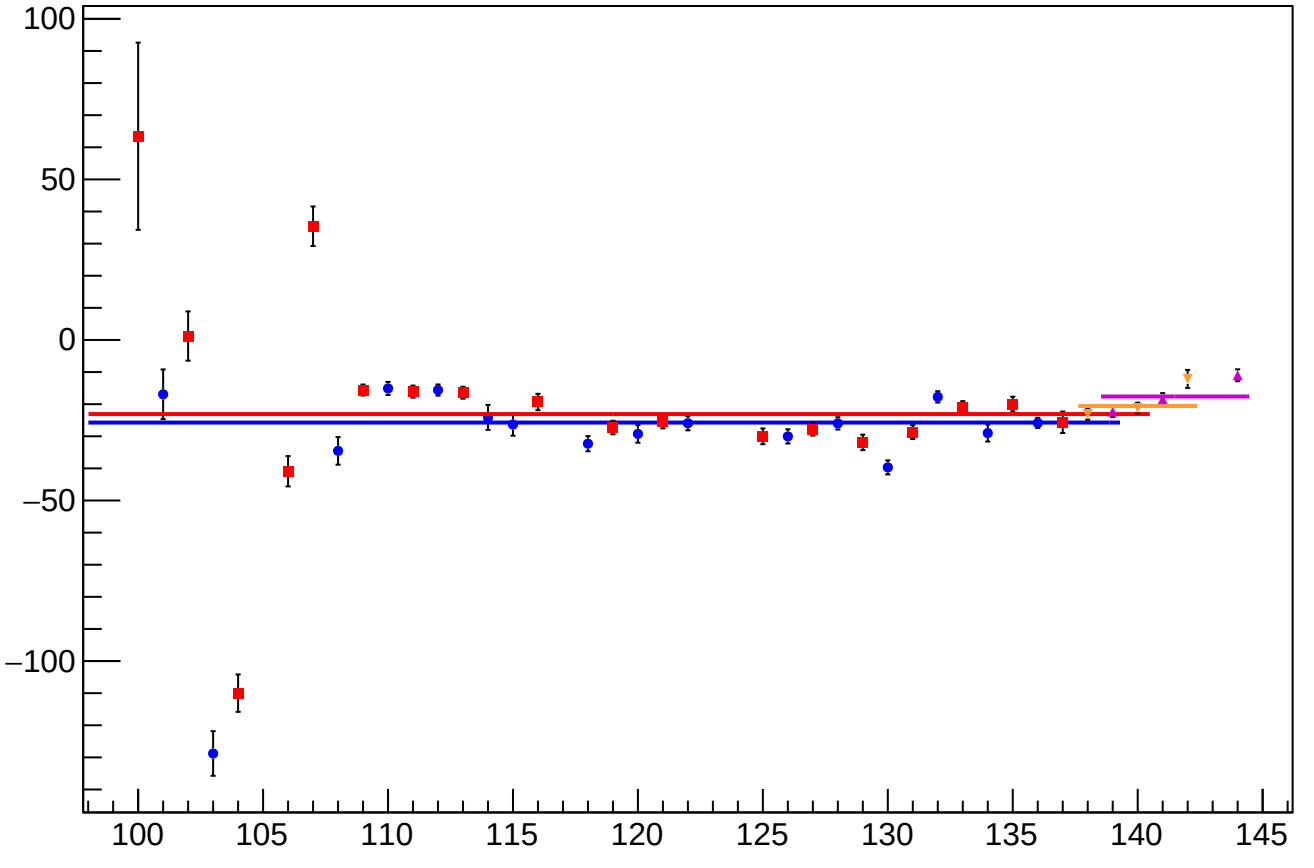
Left: -85.463+/-0.060 χ^2/NDF: 59659.9/5

Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -59.737+/-0.048 χ^2/NDF:786308.3/18

Out: -58.895+/-0.051 χ^2/NDF:632150.7/20

All: -59.338+/-0.035 χ^2/NDF: 1418602.3/39



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -20.575+/-1.108 χ^2/NDF:11.3/2

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -17.609+/-1.041 χ^2/NDF:20.7/2

Left: -18.999+/-0.759 χ^2/NDF: 35.8/5

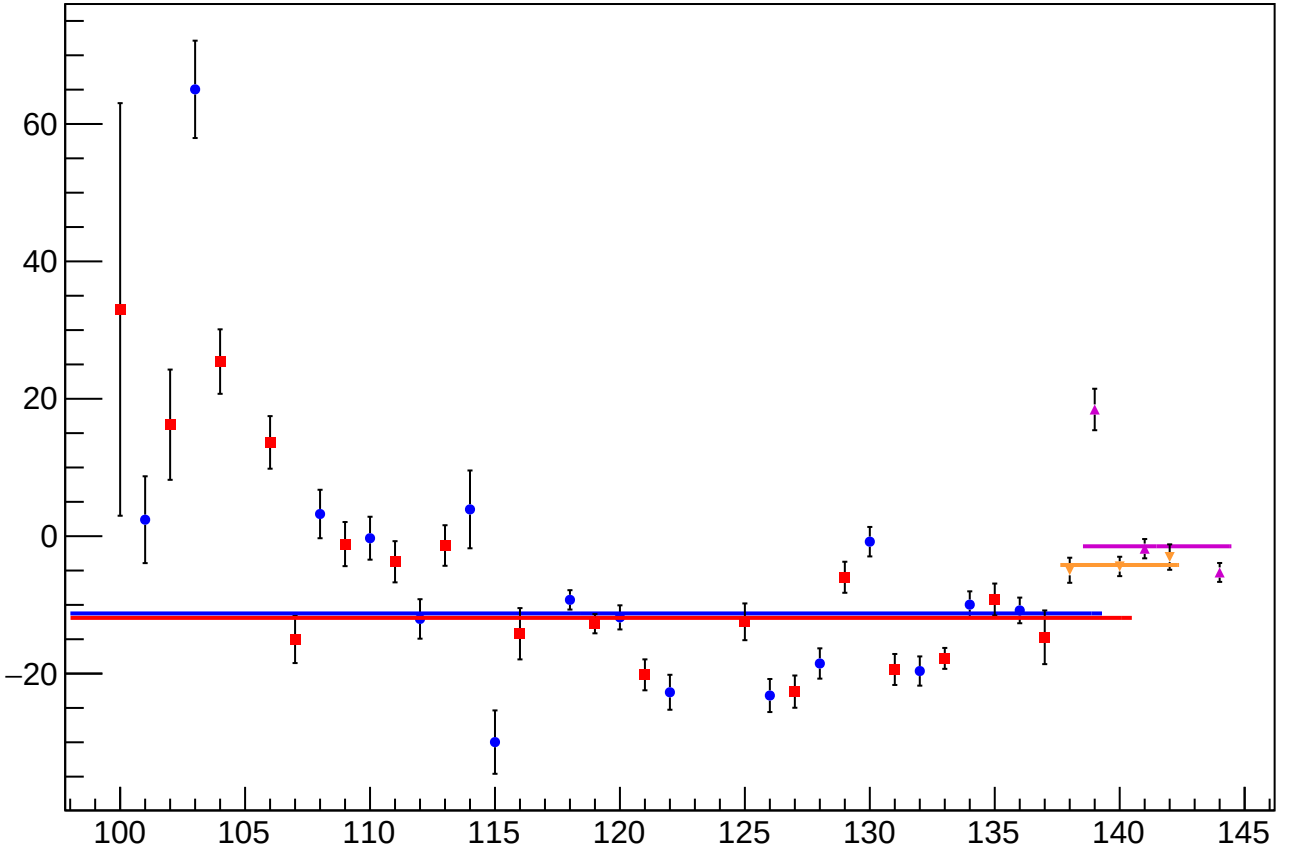
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -23.748+/-0.513 χ^2/NDF:429.7/18

Out: -22.538+/-0.515 χ^2/NDF:452.4/20

All: -23.145+/-0.364 χ^2/NDF: 884.8/39

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: -4.193+/-0.956 χ^2/NDF:0.6/2

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -1.471+/-0.934 χ^2/NDF:51.2/2

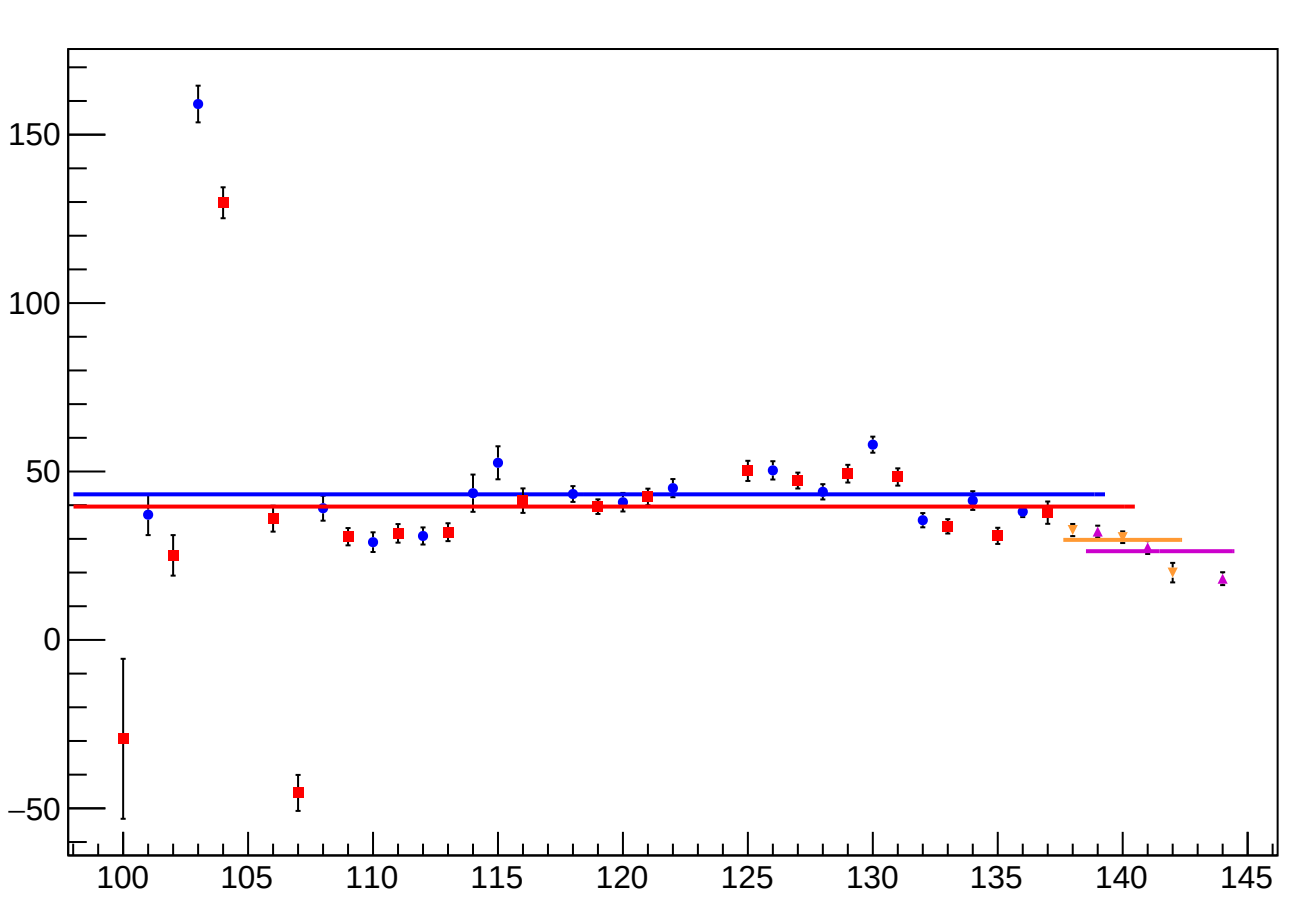
Left: -2.801+/-0.668 χ^2/NDF: 56.0/5

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.393+/-0.505 χ^2/NDF:399.8/18

Out: -9.678+/-0.512 χ^2/NDF:271.3/20

All: -9.026+/-0.360 χ^2/NDF: 674.3/39



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 29.700+/-1.147 χ^2/NDF:14.1/2

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 26.339+/-1.076 χ^2/NDF:29.8/2

Left: 27.911+/-0.785 χ^2/NDF: 48.4/5

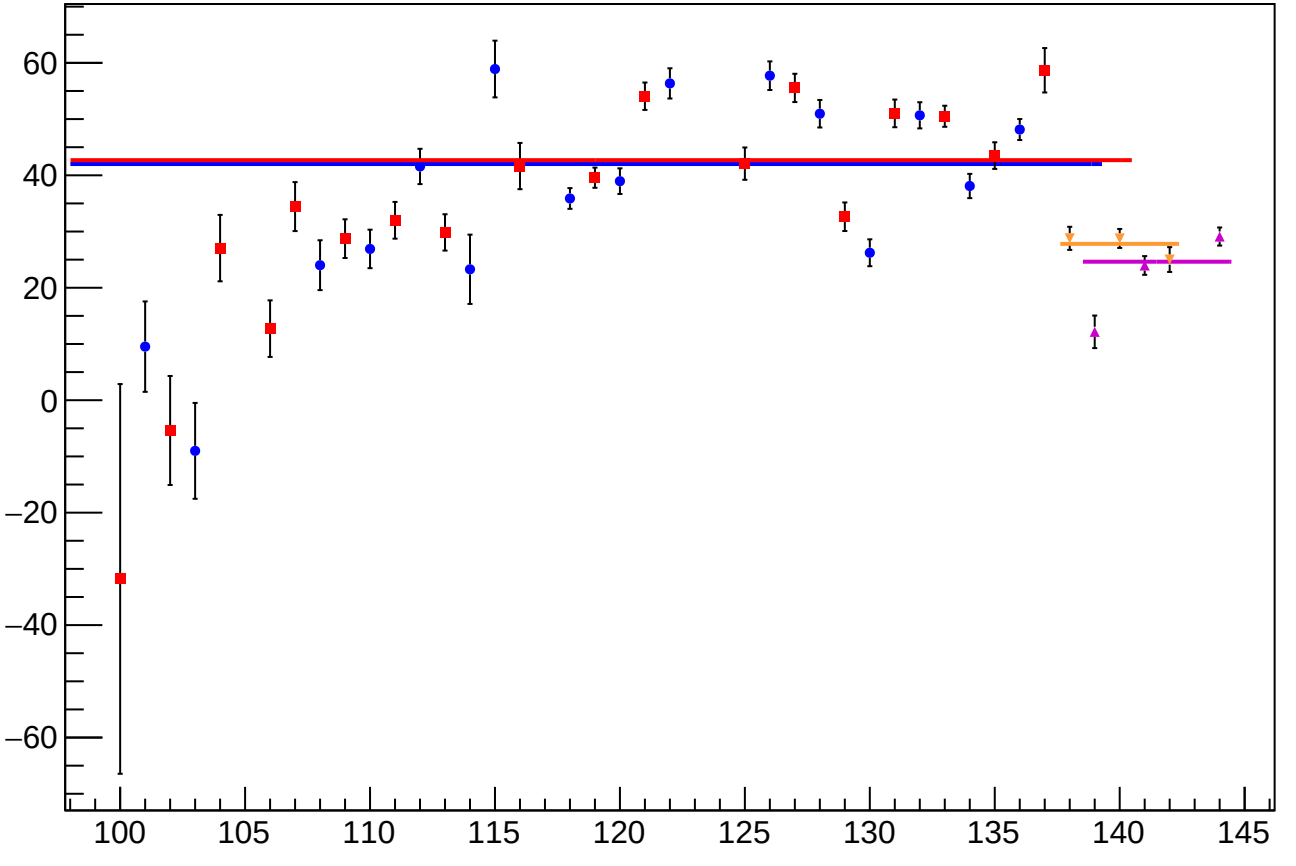
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 38.420+/-0.574 χ^2/NDF:782.1/18

Out: 36.991+/-0.588 χ^2/NDF:822.9/20

All: 37.723+/-0.411 χ^2/NDF: 1608.0/39

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 27.806+/-1.122 χ^2/NDF:2.2/2

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 24.634+/-1.074 χ^2/NDF:26.5/2

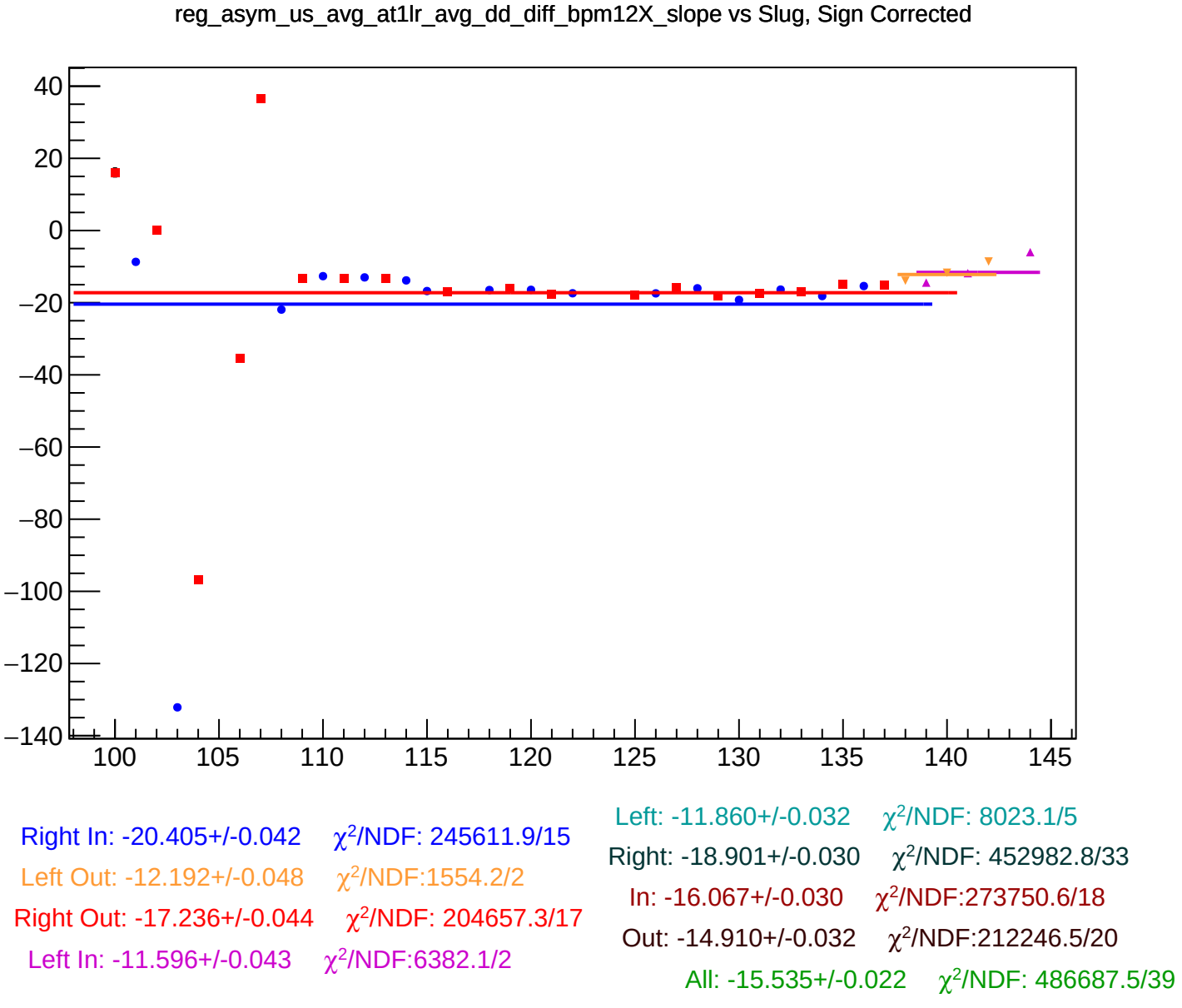
Left: 26.151+/-0.776 χ^2/NDF: 32.8/5

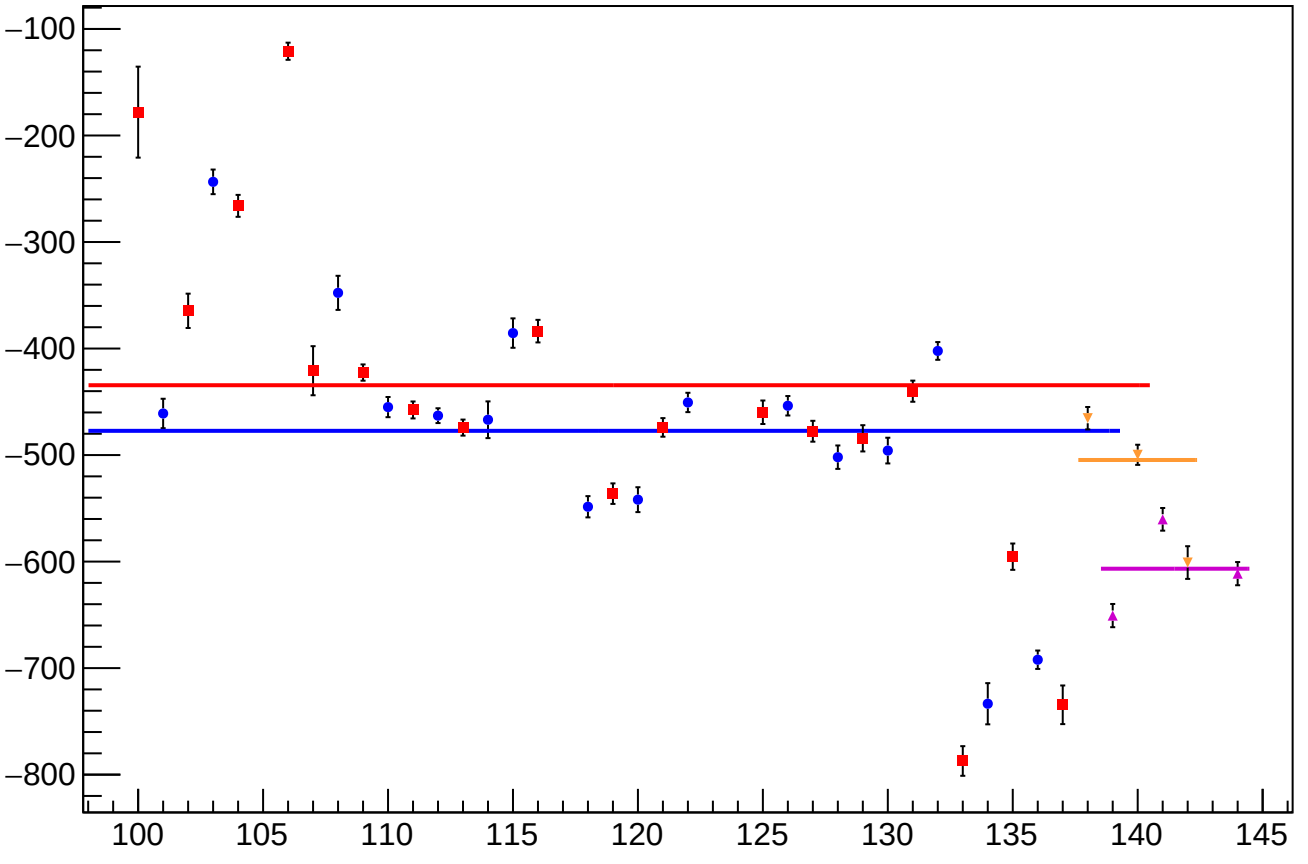
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.997+/-0.577 χ^2/NDF:485.3/18

Out: 38.568+/-0.591 χ^2/NDF:359.8/20

All: 37.764+/-0.413 χ^2/NDF: 848.7/39


reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
105
110
115
120
125
130
135
140
145
Right In: -20.405+/-0.042 χ²/NDF: 245611.9/15
Left Out: -12.192+/-0.048 χ²/NDF:1554.2/2
Right Out: -17.236+/-0.044 χ²/NDF: 204657.3/17
Left In: -11.596+/-0.043 χ²/NDF:6382.1/2
Left: -11.860+/-0.032 χ²/NDF: 8023.1/5
Right: -18.901+/-0.030 χ²/NDF: 452982.8/33
In: -16.067+/-0.030 χ²/NDF:273750.6/18
Out: -14.910+/-0.032 χ²/NDF:212246.5/20
All: -15.535+/-0.022 χ²/NDF: 486687.5/39



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -504.621+/-6.393 χ^2/NDF:53.5/2

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -606.691+/-6.242 χ^2/NDF:35.5/2

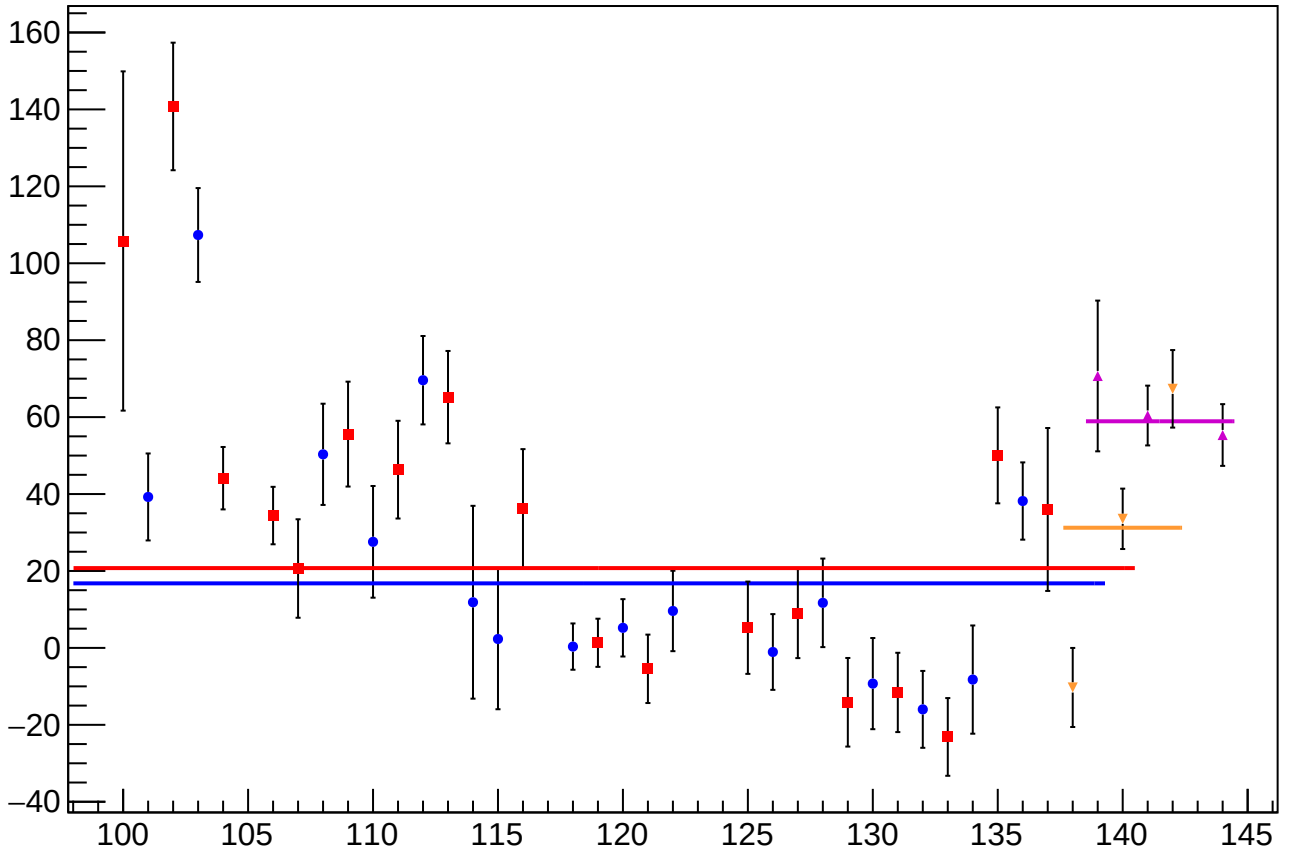
Left: -556.875+/-4.466 χ^2/NDF: 219.5/5

Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -496.810+/-2.426 χ^2/NDF:1911.3/18

Out: -443.515+/-2.299 χ^2/NDF:3320.4/20

All: -468.730+/-1.669 χ^2/NDF: 5486.0/39



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 31.241+/-5.305 χ^2/NDF:29.2/2

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 58.918+/-5.369 χ^2/NDF:0.6/2

Left: 44.913+/-3.774 χ^2/NDF: 43.3/5

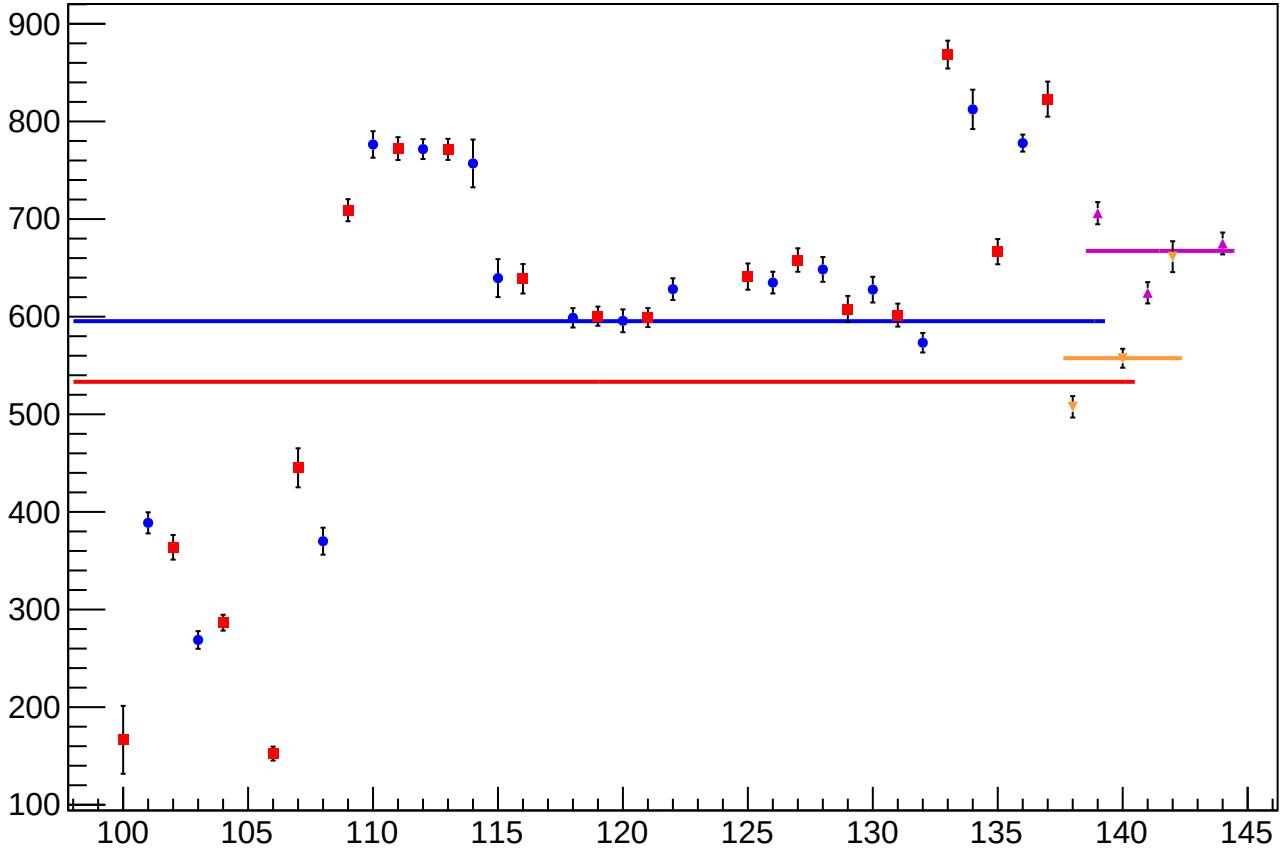
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 25.055+/-2.379 χ^2/NDF:175.1/18

Out: 22.716+/-2.297 χ^2/NDF:190.4/20

All: 23.844+/-1.653 χ^2/NDF: 365.9/39

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: 557.511+/-6.611 χ^2/NDF:63.8/2

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 667.371+/-6.445 χ^2/NDF:27.5/2

Left: 613.841+/-4.615 χ^2/NDF: 232.9/5

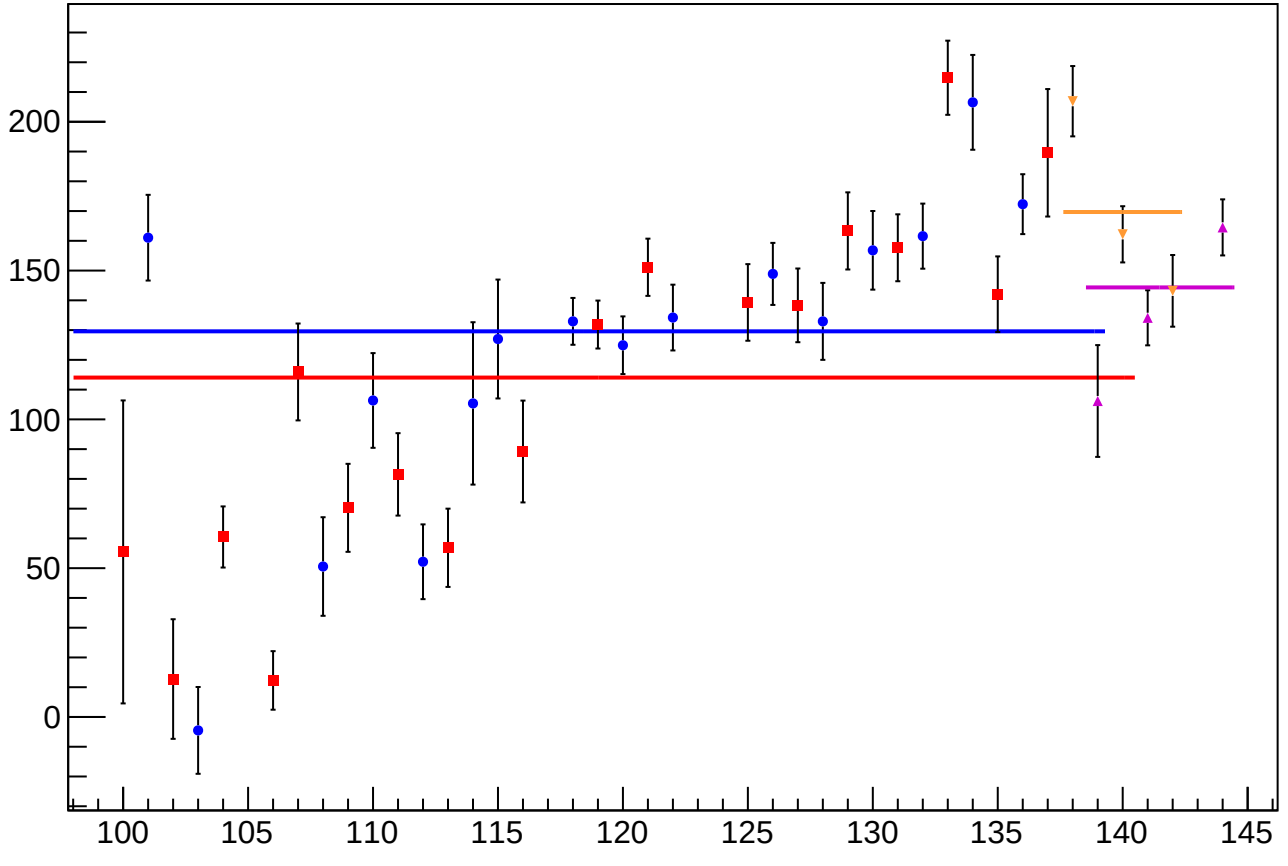
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 607.731+/-2.667 χ^2/NDF:3190.6/18

Out: 536.848+/-2.536 χ^2/NDF:6578.1/20

All: 570.505+/-1.838 χ^2/NDF: 10139.7/39

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: 169.682+/-6.290 χ^2/NDF:15.4/2

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 144.341+/-6.229 χ^2/NDF:9.9/2

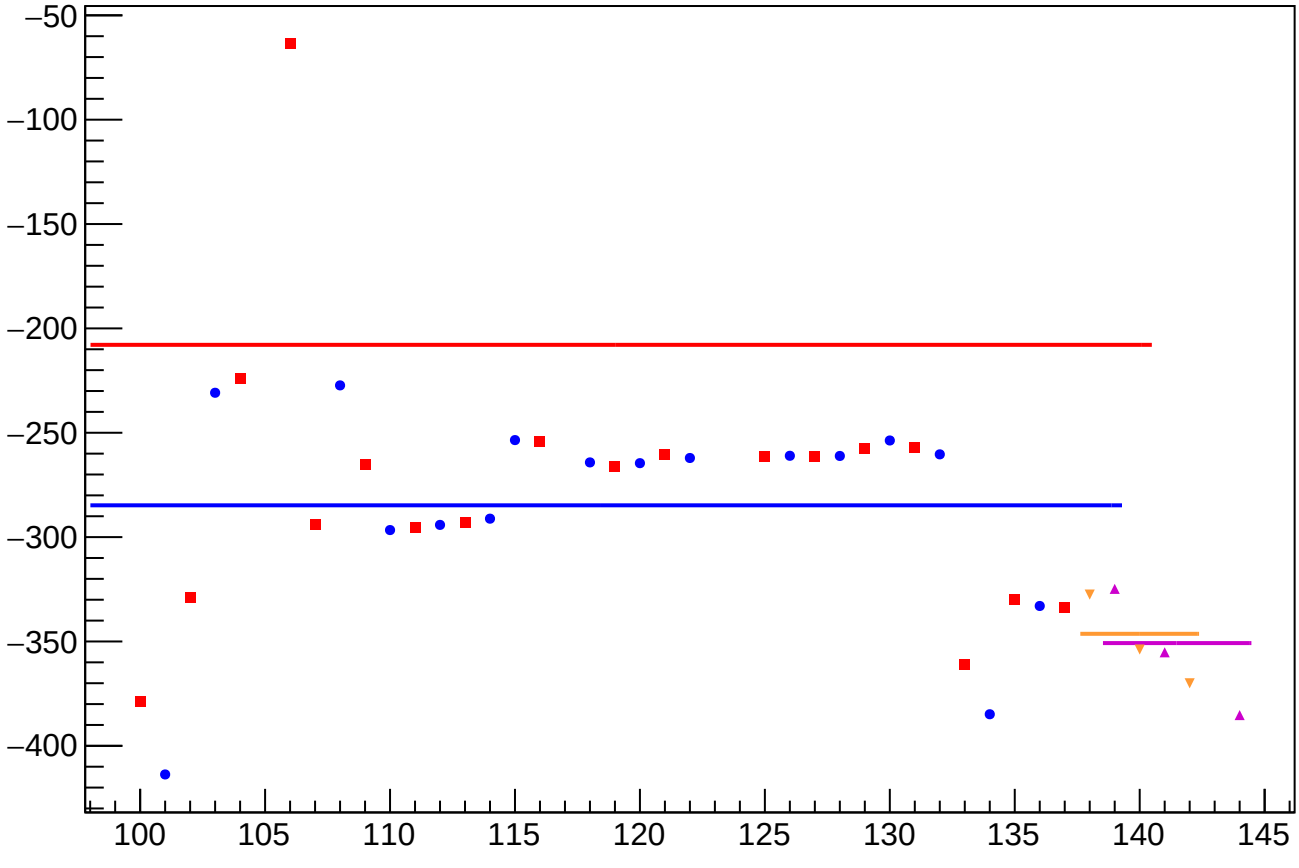
Left: 156.886+/-4.426 χ^2/NDF: 33.5/5

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 132.486+/-2.761 χ^2/NDF:225.7/18

Out: 124.223+/-2.690 χ^2/NDF:415.2/20

All: 128.247+/-1.927 χ^2/NDF: 645.5/39



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -346.328+/-0.280 χ^2/NDF:3440.2/2

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -350.772+/-0.258 χ^2/NDF:8927.6/2

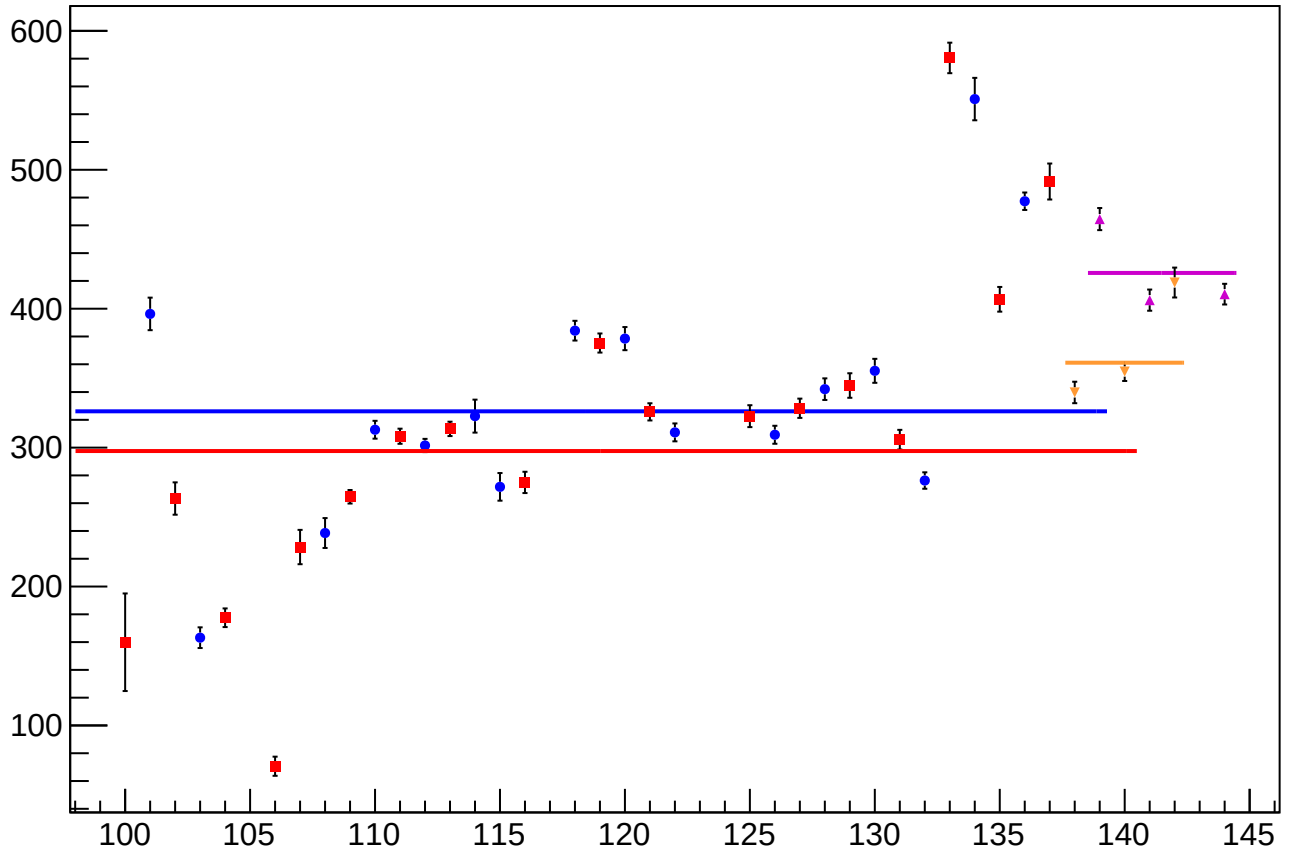
Left: -348.729+/-0.190 χ^2/NDF: 12504.4/5

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.990+/-0.146 χ^2/NDF:157739.6/18

Out: -238.448+/-0.131 χ^2/NDF:731217.3/20

All: -268.614+/-0.098 χ^2/NDF: 1006990.0/39



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 361.133+/-4.602 χ^2/NDF:37.3/2

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.744+/-4.426 χ^2/NDF:34.6/2

Left: 394.698+/-3.190 χ^2/NDF: 174.3/5

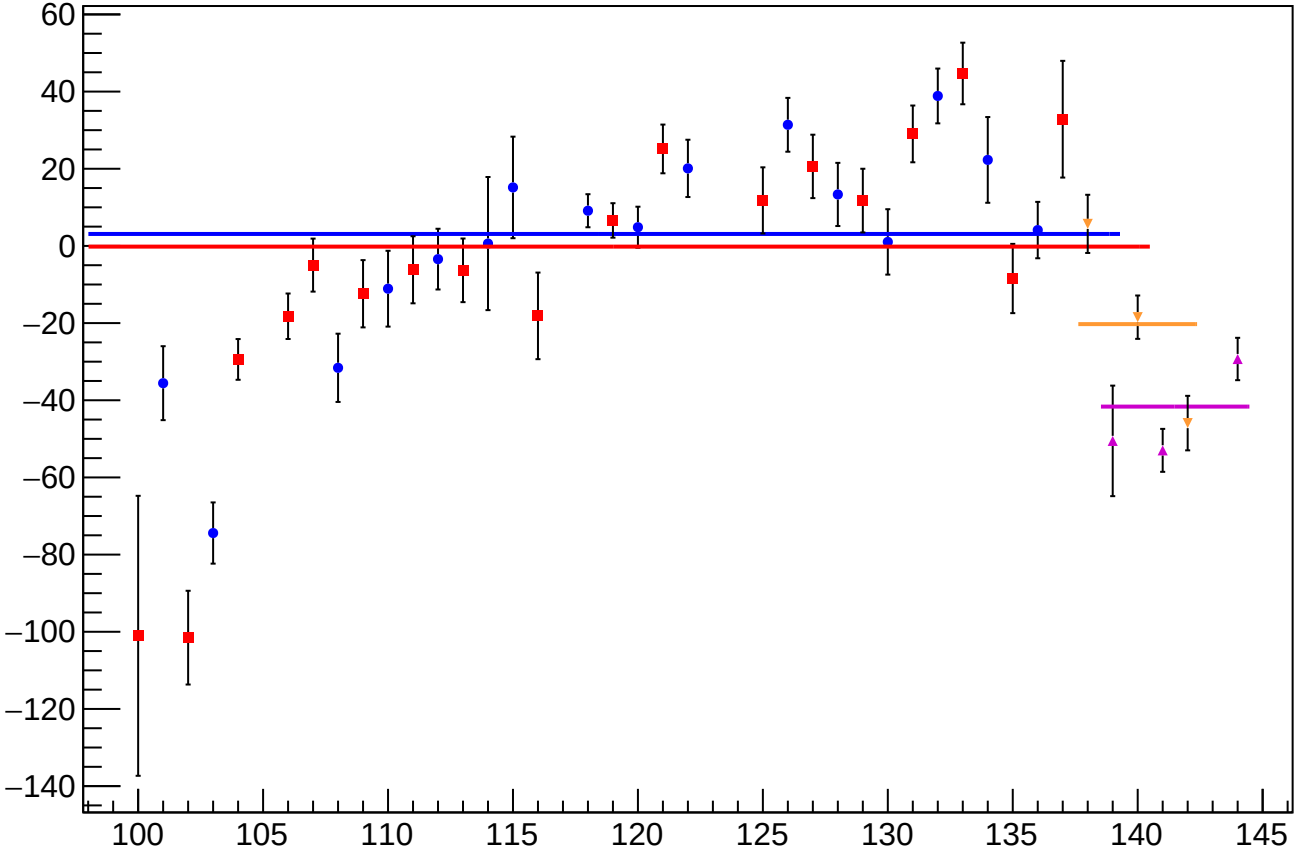
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 341.043+/-1.712 χ^2/NDF:2108.3/18

Out: 305.450+/-1.623 χ^2/NDF:2980.0/20

All: 322.297+/-1.178 χ^2/NDF: 5315.8/39

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.266+/-3.799 χ^2/NDF:25.2/2

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -41.642+/-3.771 χ^2/NDF:9.6/2

Left: -31.033+/-2.676 χ^2/NDF: 50.7/5

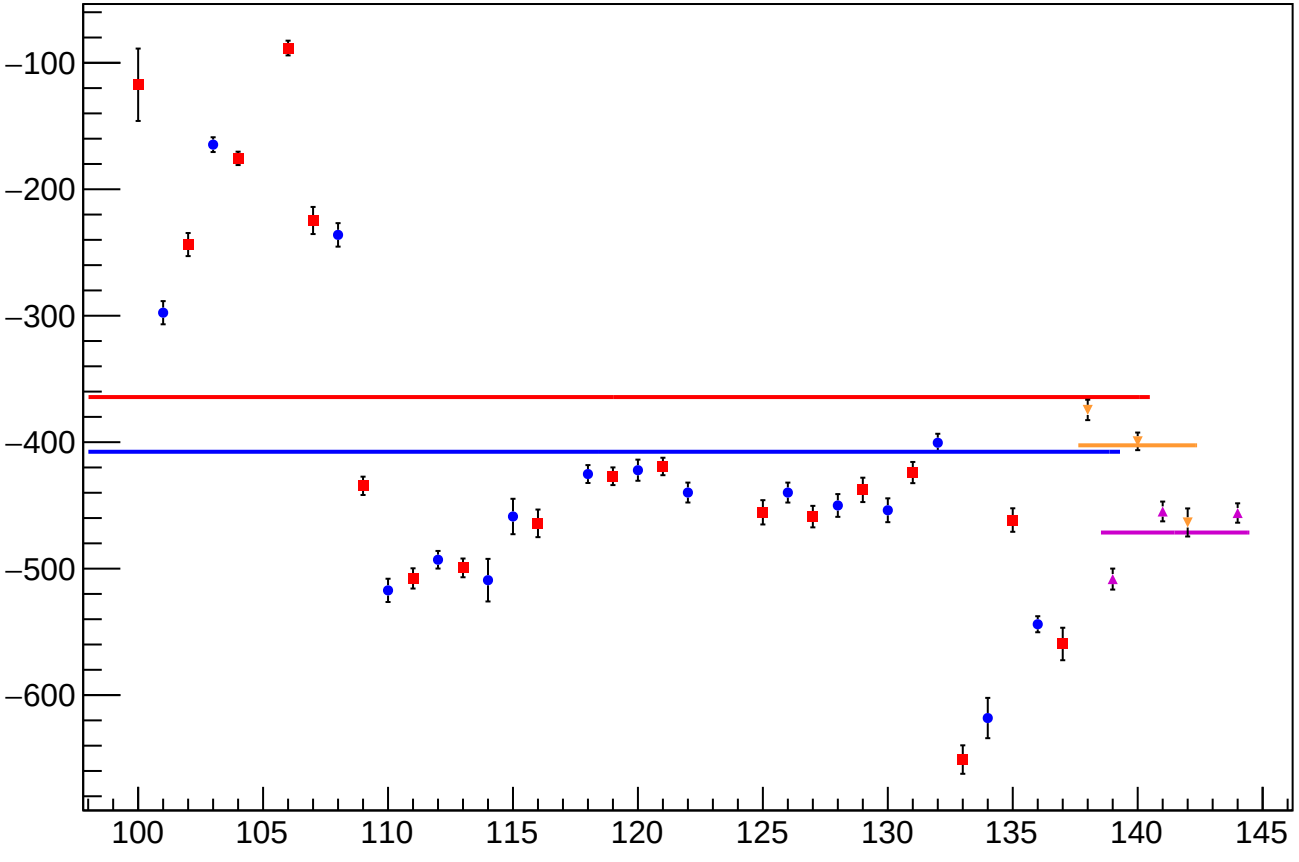
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -5.899+/-1.691 χ^2/NDF:306.6/18

Out: -3.833+/-1.620 χ^2/NDF:253.2/20

All: -4.822+/-1.170 χ^2/NDF: 560.6/39

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -402.481+/-4.758 χ^2/NDF:42.5/2

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -471.449+/-4.569 χ^2/NDF:28.3/2

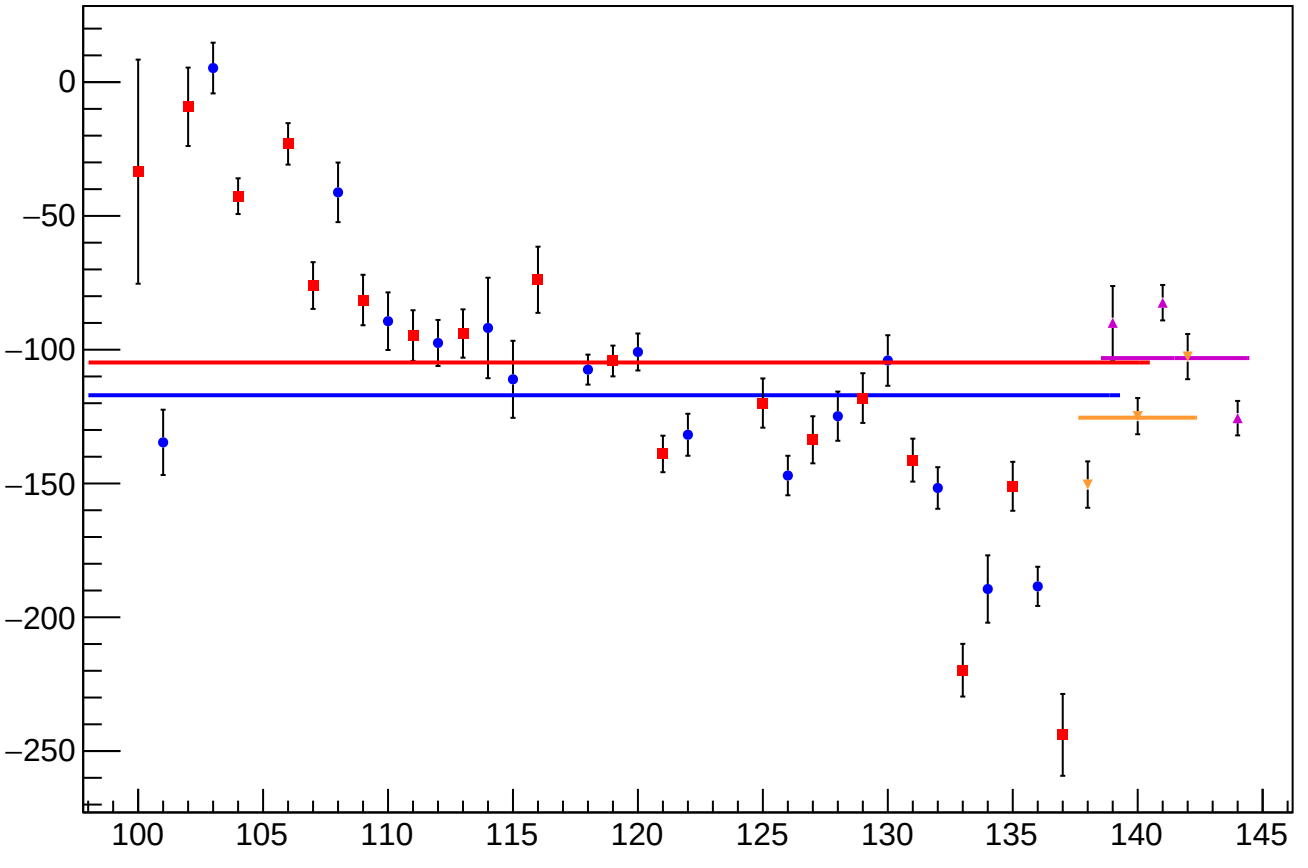
Left: -438.365+/-3.295 χ^2/NDF: 180.1/5

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -418.487+/-1.888 χ^2/NDF:3470.9/18

Out: -369.773+/-1.798 χ^2/NDF:6318.0/20

All: -392.941+/-1.302 χ^2/NDF: 10137.9/39



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -125.405+/-4.507 χ^2/NDF:15.6/2

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -103.132+/-4.378 χ^2/NDF:22.8/2

Left: -113.946+/-3.140 χ^2/NDF: 51.0/5

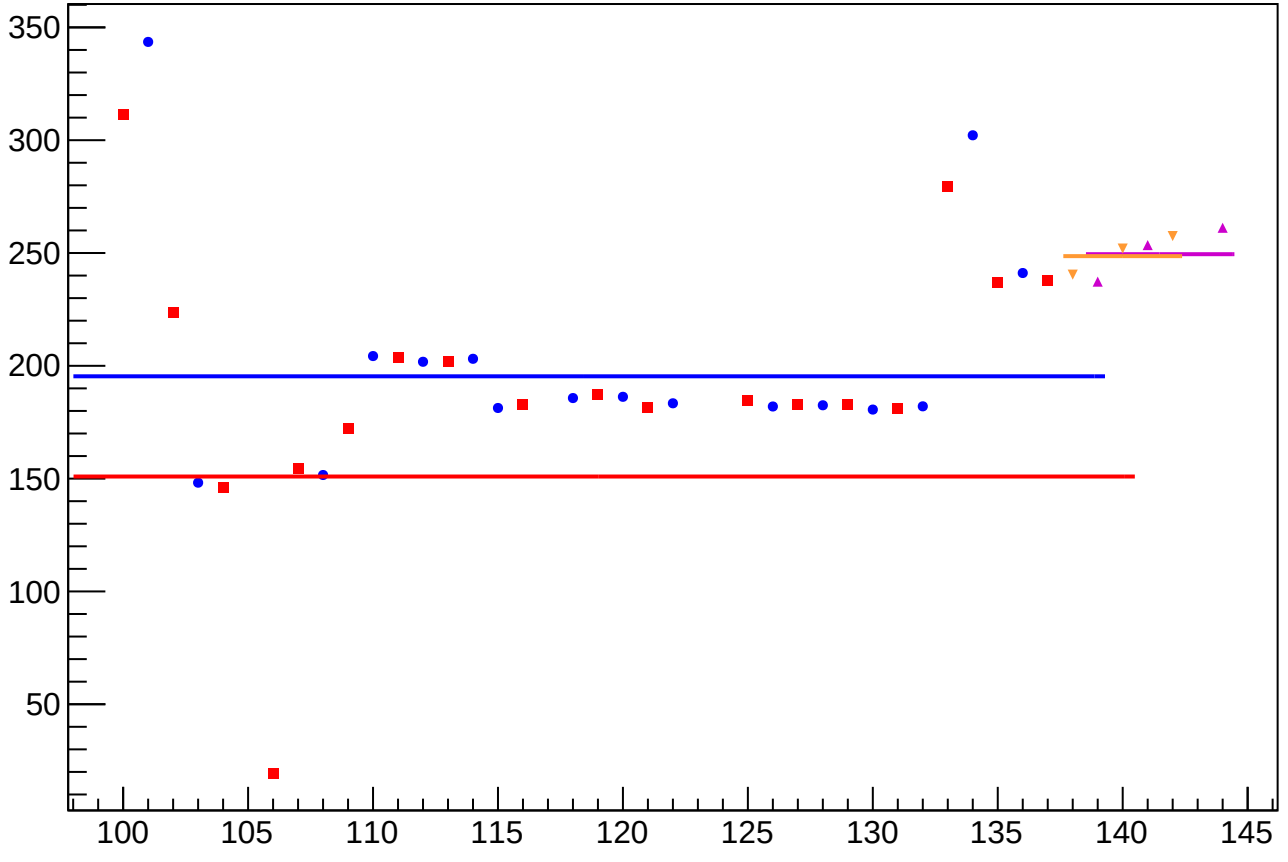
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.232+/-1.962 χ^2/NDF:438.7/18

Out: -108.432+/-1.897 χ^2/NDF:608.0/20

All: -111.234+/-1.364 χ^2/NDF: 1051.2/39

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: 248.613+/-0.201 χ^2/NDF:1134.9/2

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 249.475+/-0.184 χ^2/NDF:3014.4/2

Left: 249.083+/-0.136 χ^2/NDF: 4159.3/5

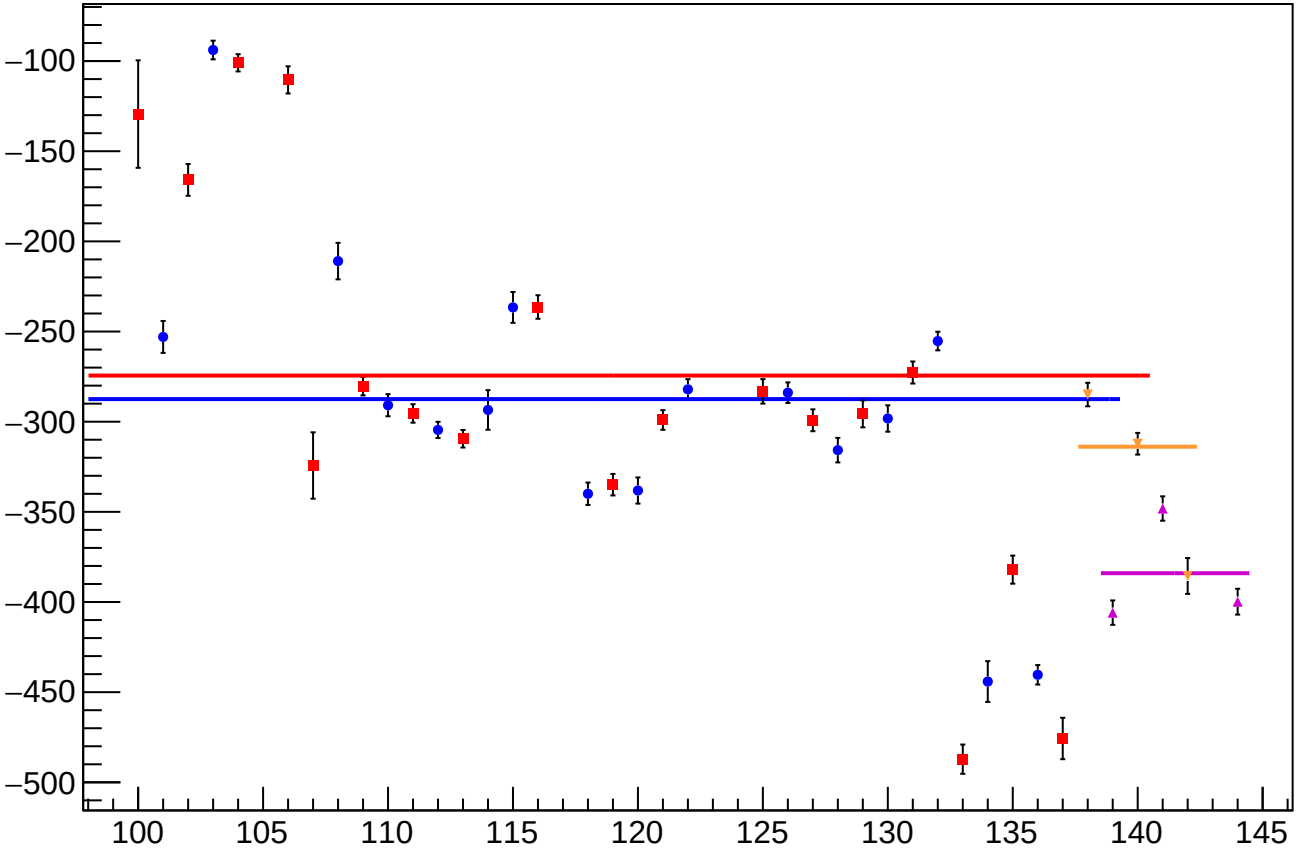
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 212.409+/-0.103 χ^2/NDF:239429.4/18

Out: 173.432+/-0.097 χ^2/NDF:681444.7/20

All: 191.656+/-0.071 χ^2/NDF: 996916.9/39

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: -313.869+/-4.038 χ^2/NDF:71.8/2

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -384.024+/-3.978 χ^2/NDF:43.5/2

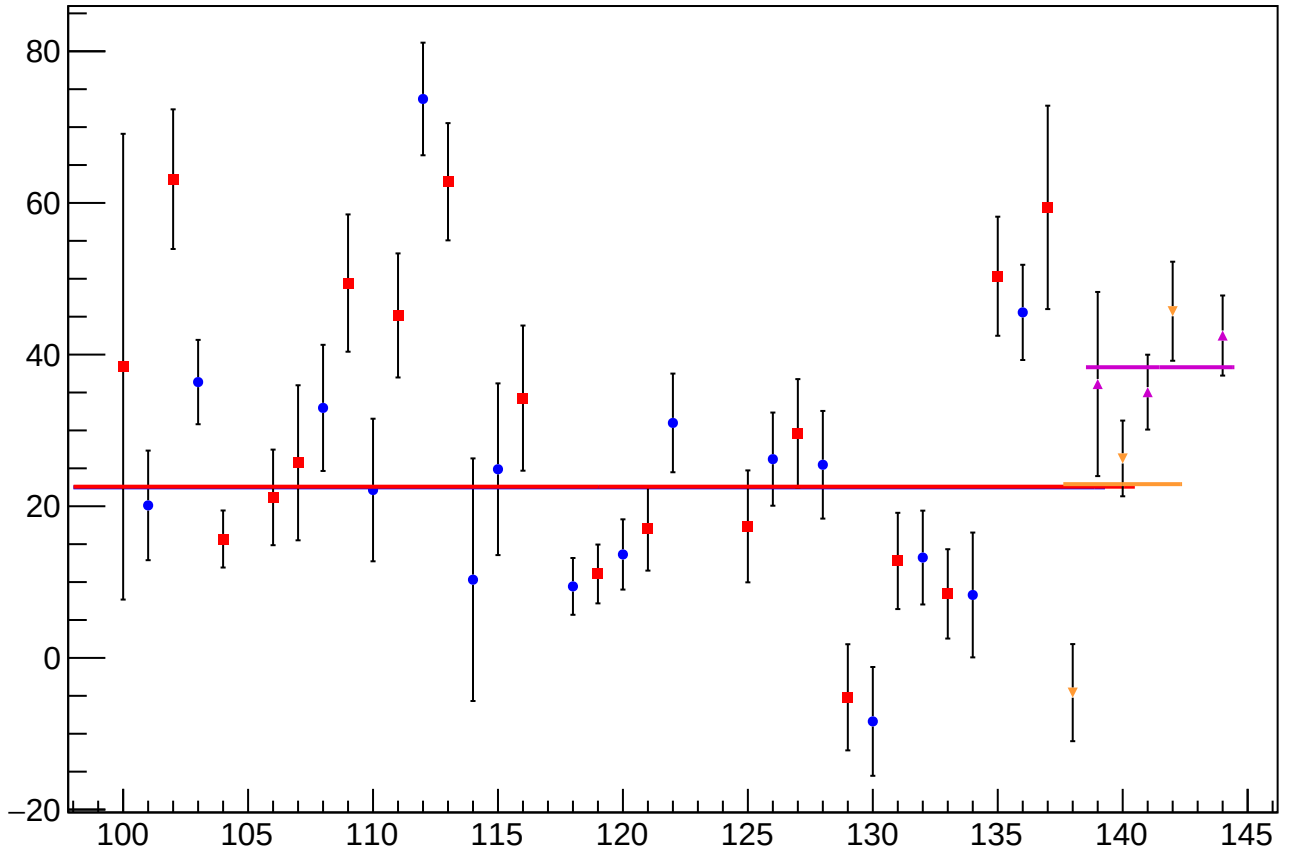
Left: -349.467+/-2.834 χ^2/NDF: 268.4/5

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -301.080+/-1.493 χ^2/NDF:3245.9/18

Out: -279.491+/-1.448 χ^2/NDF:3568.4/20

All: -289.954+/-1.040 χ^2/NDF: 6922.0/39



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 22.915+/-3.372 χ^2/NDF:31.1/2

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 38.334+/-3.457 χ^2/NDF:1.1/2

Left: 30.431+/-2.414 χ^2/NDF: 42.4/5

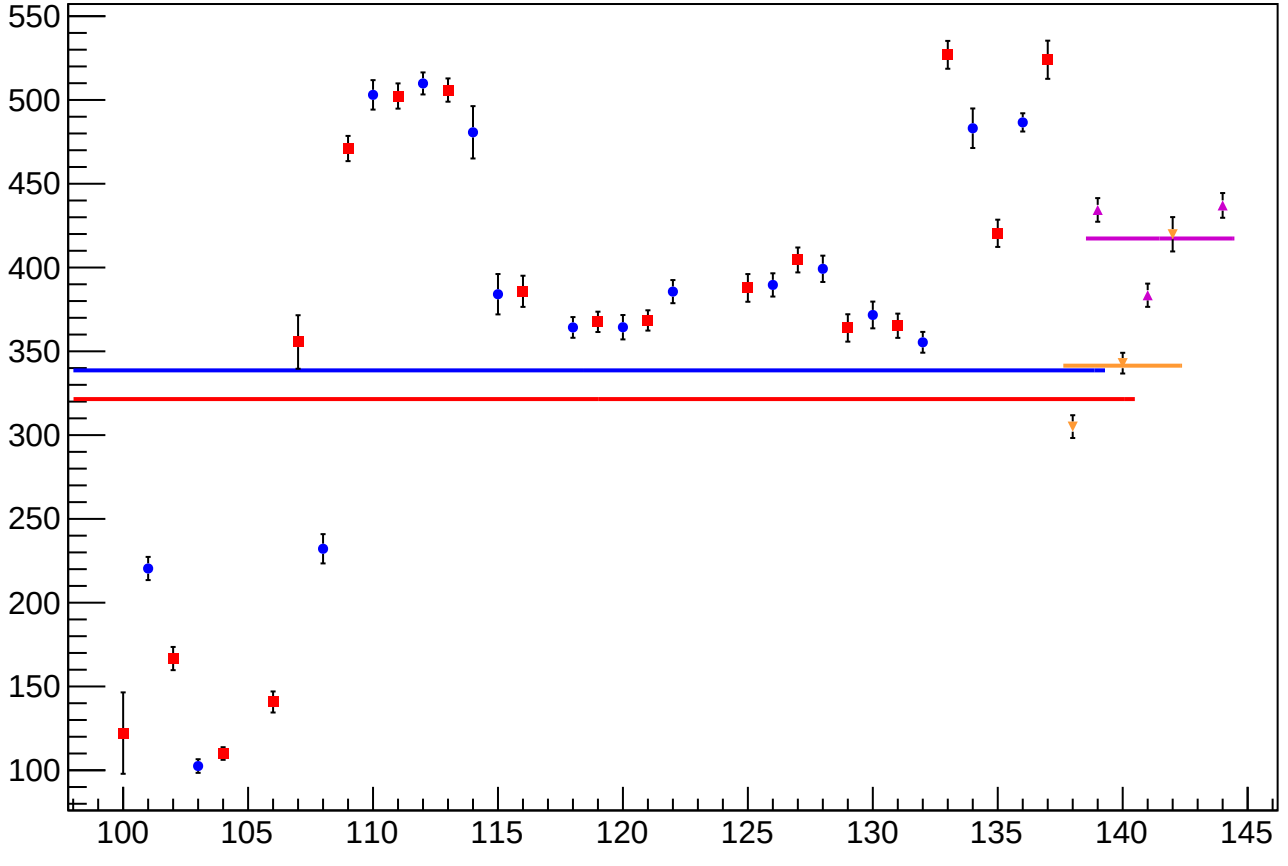
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 25.347+/-1.468 χ^2/NDF:129.7/18

Out: 22.639+/-1.423 χ^2/NDF:154.4/20

All: 23.951+/-1.022 χ^2/NDF: 285.9/39

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: 341.439+/-4.177 χ^2/NDF:87.2/2

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 417.331+/-4.109 χ^2/NDF:36.8/2

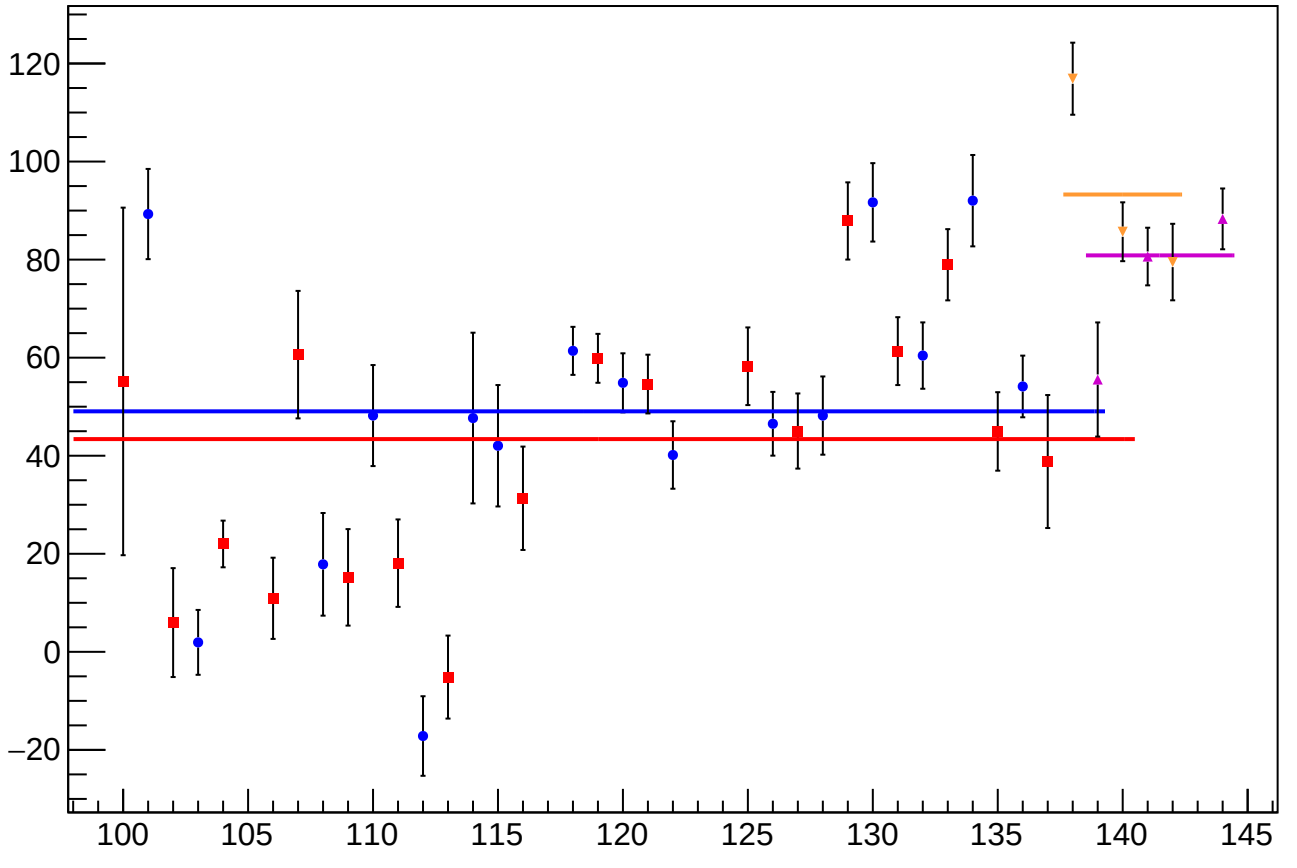
Left: 380.008+/-2.929 χ^2/NDF: 291.8/5

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.697+/-1.609 χ^2/NDF:6390.1/18

Out: 324.317+/-1.570 χ^2/NDF:7827.6/20

All: 337.185+/-1.124 χ^2/NDF: 14355.4/39



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 93.280+/-3.994 χ^2/NDF:15.0/2

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 80.862+/-4.006 χ^2/NDF:6.2/2

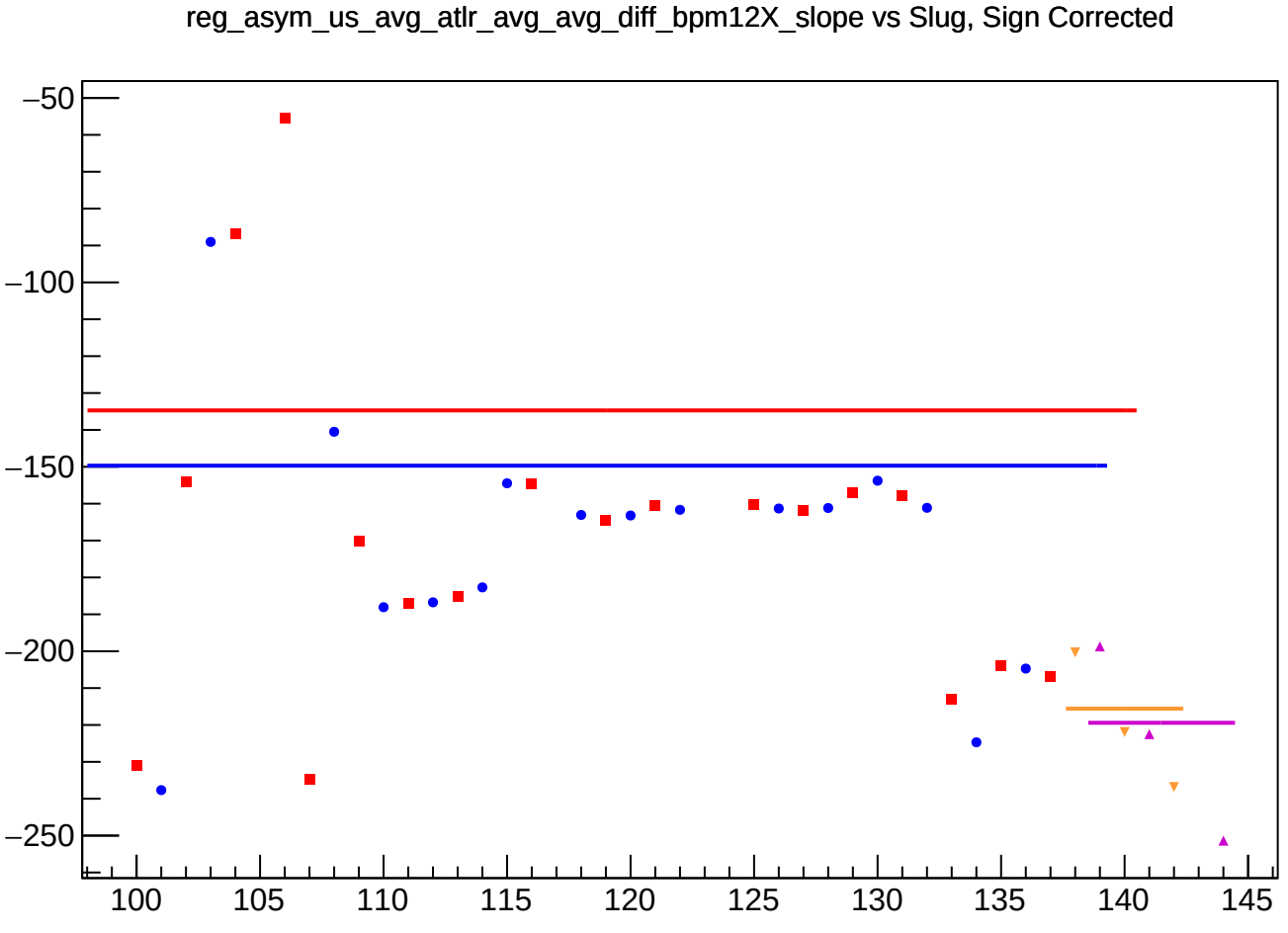
Left: 87.089+/-2.828 χ^2/NDF: 26.0/5

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 54.808+/-1.704 χ^2/NDF:265.8/18

Out: 52.078+/-1.667 χ^2/NDF:323.9/20

All: 53.413+/-1.191 χ^2/NDF: 591.0/39



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -215.571+/-0.176 χ^2/NDF:6190.0/2

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -219.409+/-0.164 χ^2/NDF:16233.5/2

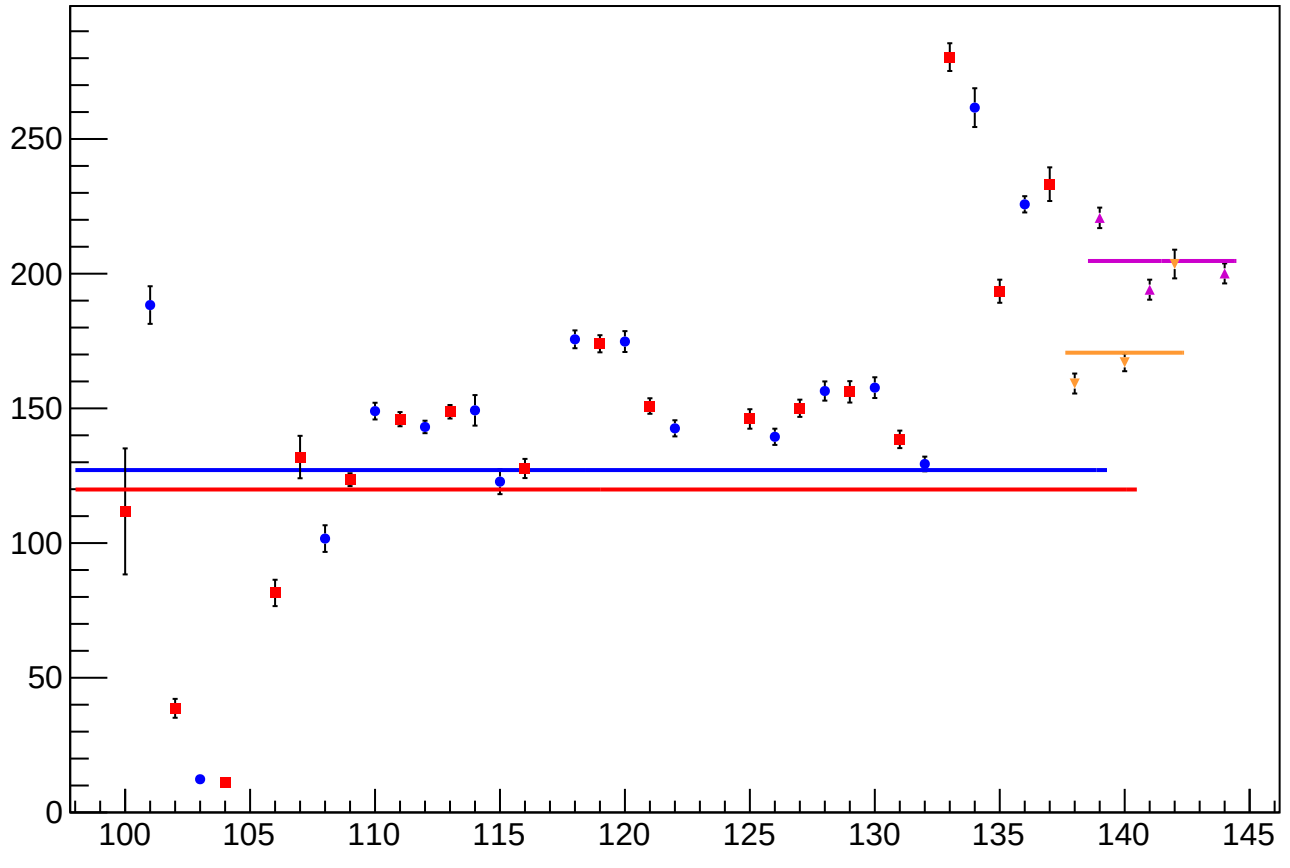
Left: -217.634+/-0.120 χ^2/NDF: 22677.9/5

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -168.875+/-0.086 χ^2/NDF:404222.8/18

Out: -153.488+/-0.085 χ^2/NDF:480170.0/20

All: -161.105+/-0.060 χ^2/NDF: 900618.2/39



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 170.669+/-2.238 χ^2/NDF:48.9/2

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 204.718+/-2.162 χ^2/NDF:27.5/2

Left: 188.283+/-1.555 χ^2/NDF: 196.1/5

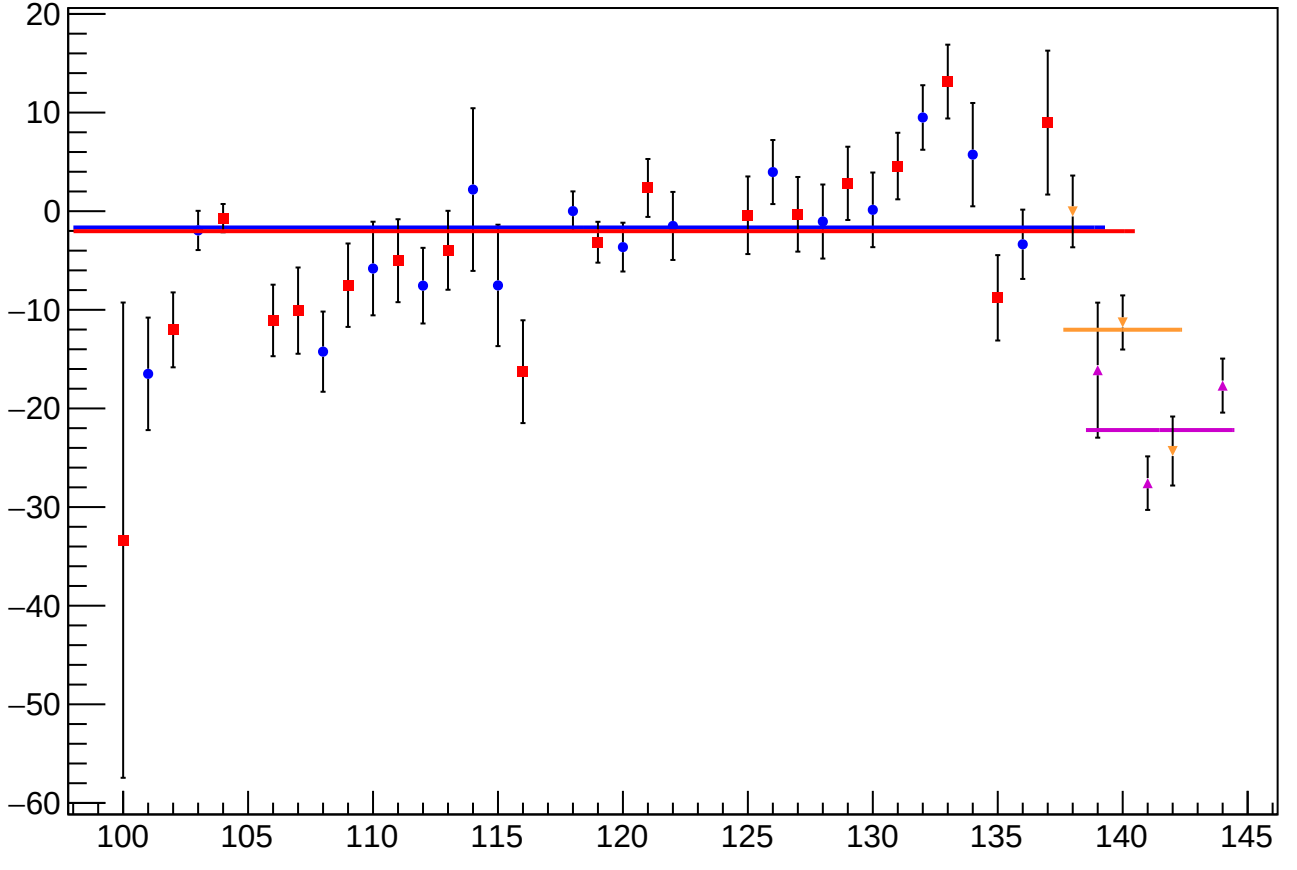
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 136.672+/-0.759 χ^2/NDF:7320.8/18

Out: 125.315+/-0.732 χ^2/NDF:7158.3/20

All: 130.784+/-0.527 χ^2/NDF: 14595.2/39

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -12.018+/-1.857 χ^2/NDF:23.3/2

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -22.190+/-1.856 χ^2/NDF:7.4/2

Left: -17.107+/-1.313 χ^2/NDF: 45.7/5

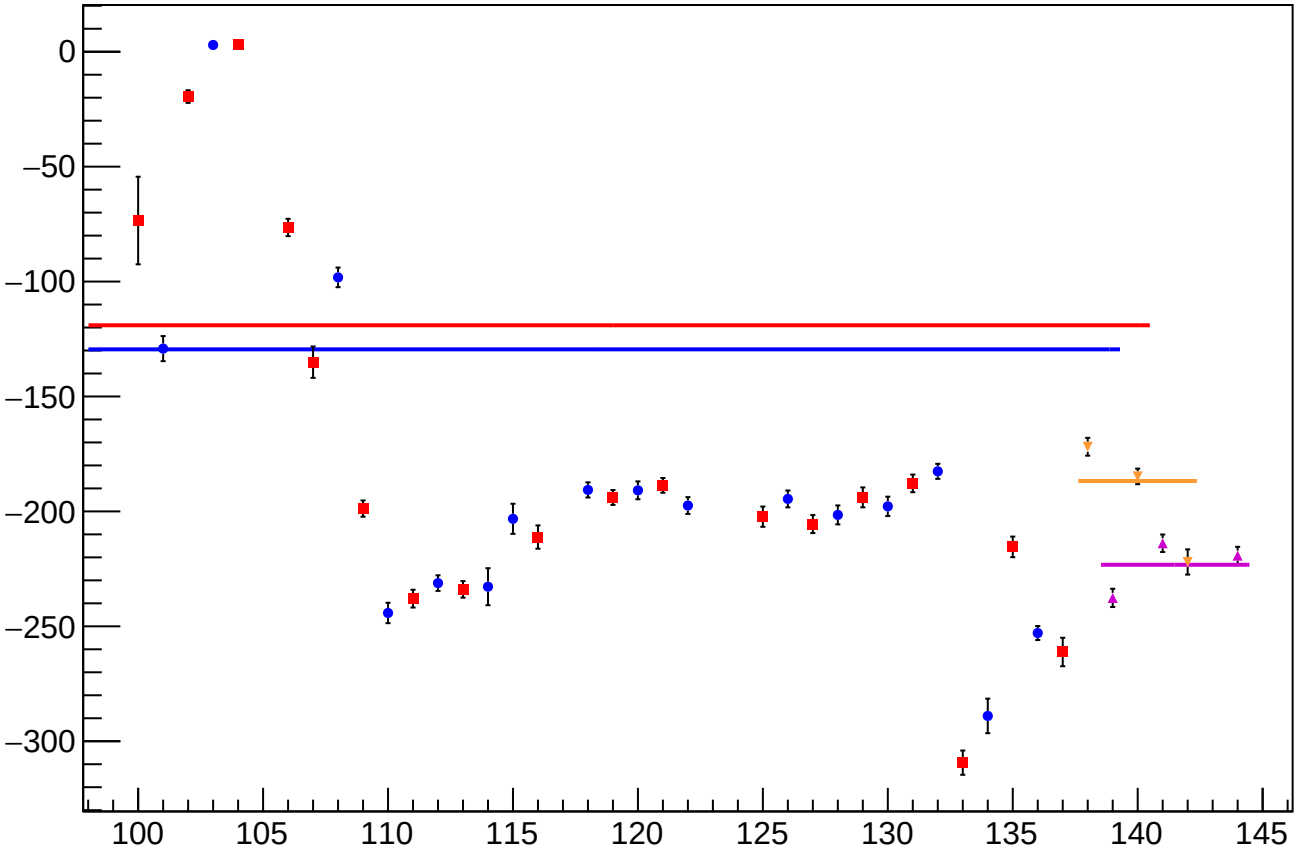
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.094+/-0.760 χ^2/NDF:148.5/18

Out: -3.494+/-0.711 χ^2/NDF:106.6/20

All: -4.241+/-0.519 χ^2/NDF: 257.4/39

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -186.770+/-2.314 χ^2/NDF:56.3/2

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -223.222+/-2.232 χ^2/NDF:20.3/2

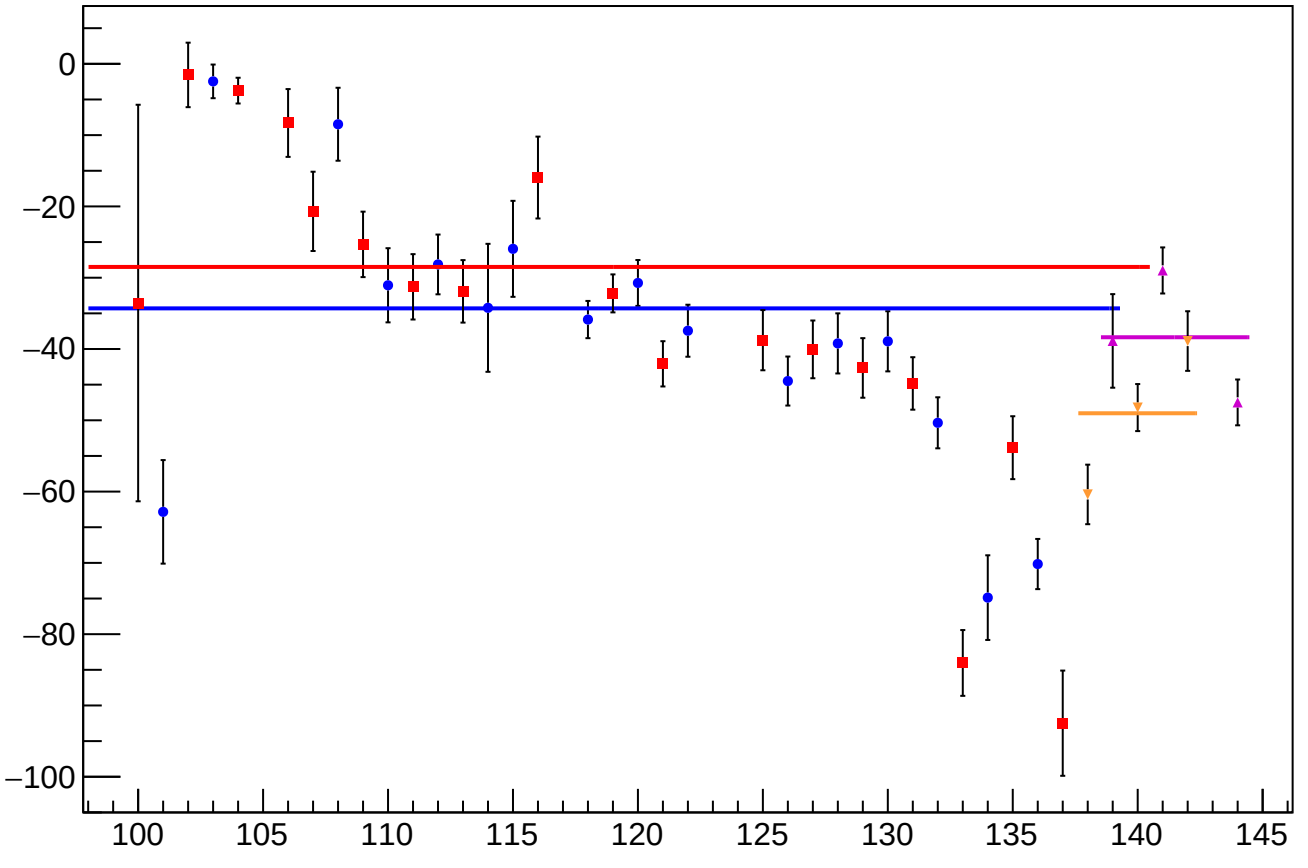
Left: -205.656+/-1.607 χ^2/NDF: 205.2/5

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -141.281+/-0.791 χ^2/NDF:16249.9/18

Out: -126.461+/-0.767 χ^2/NDF:16996.5/20

All: -133.637+/-0.551 χ^2/NDF: 33427.2/39



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -49.014+/-2.201 χ^2/NDF:13.4/2

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.352+/-2.153 χ^2/NDF:16.5/2

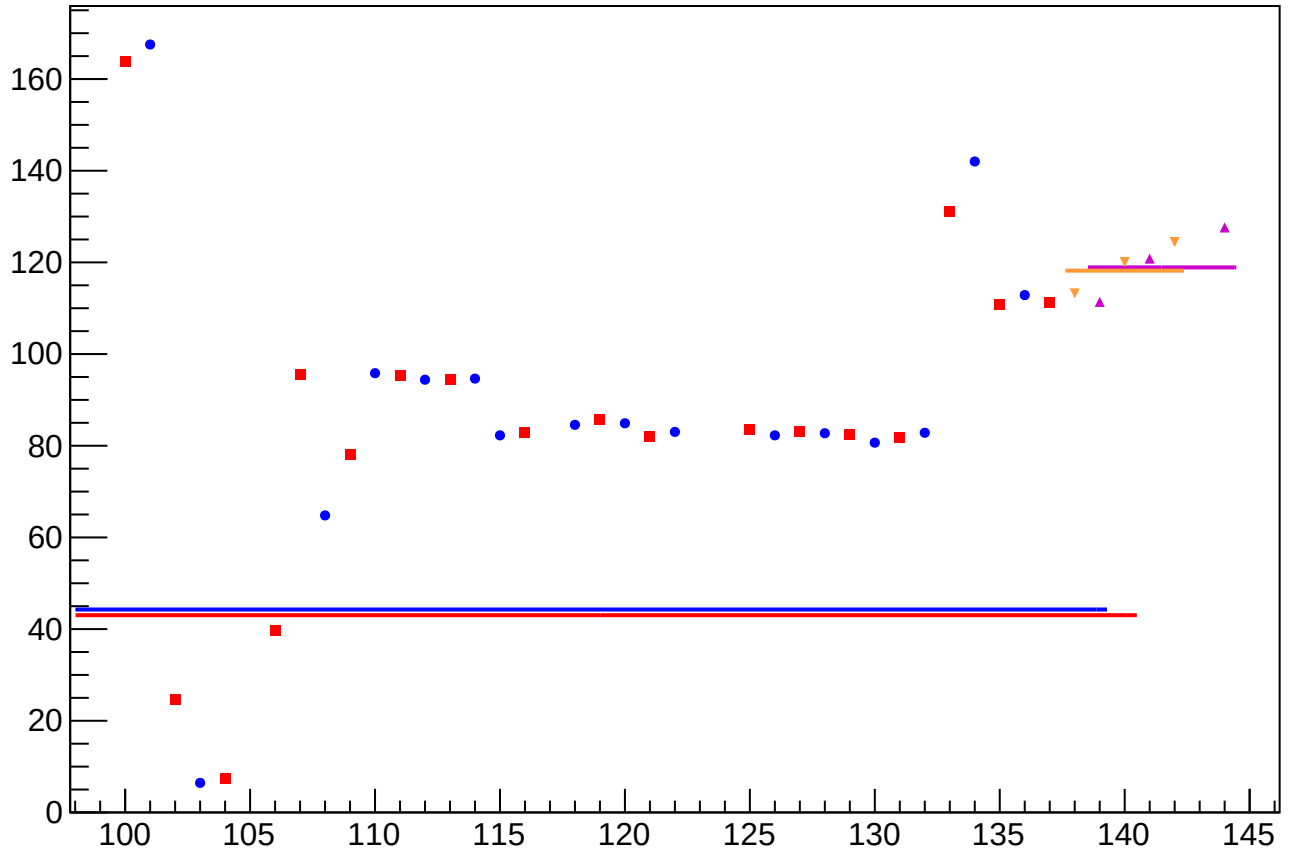
Left: -43.565+/-1.539 χ^2/NDF: 41.9/5

Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.982+/-0.883 χ^2/NDF:430.7/18

Out: -31.467+/-0.838 χ^2/NDF:655.7/20

All: -33.134+/-0.608 χ^2/NDF: 1094.8/39



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 118.196+/-0.098 χ^2/NDF:1939.4/2

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 118.909+/-0.089 χ^2/NDF:5565.6/2

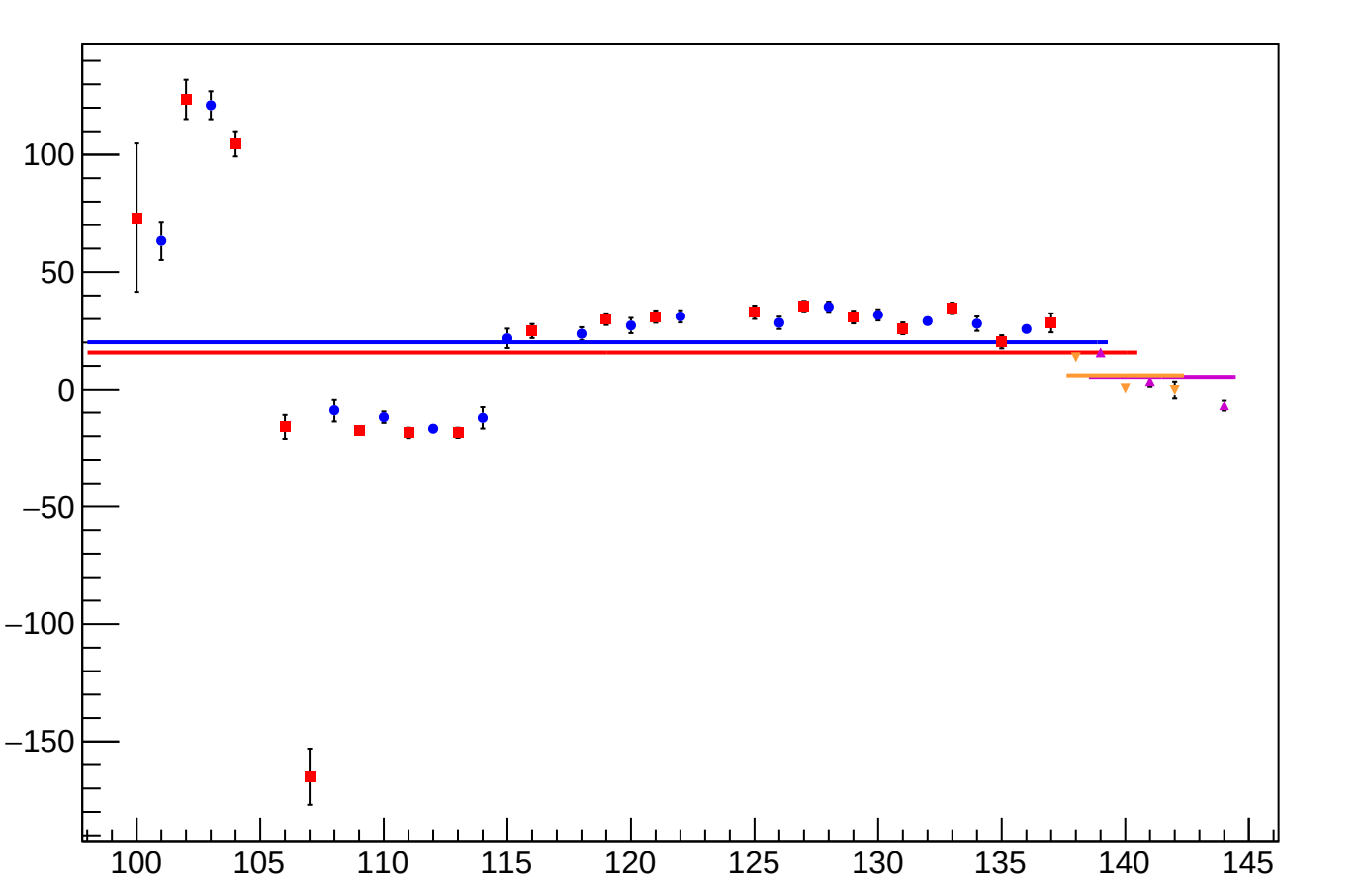
Left: 118.584+/-0.066 χ^2/NDF: 7533.9/5

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 59.314+/-0.040 χ^2/NDF:1646417.1/18

Out: 56.180+/-0.041 χ^2/NDF:1294186.9/20

All: 57.776+/-0.029 χ^2/NDF: 2943592.7/39



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.971+/-1.355 χ^2/NDF:23.4/2

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 5.330+/-1.273 χ^2/NDF:55.4/2

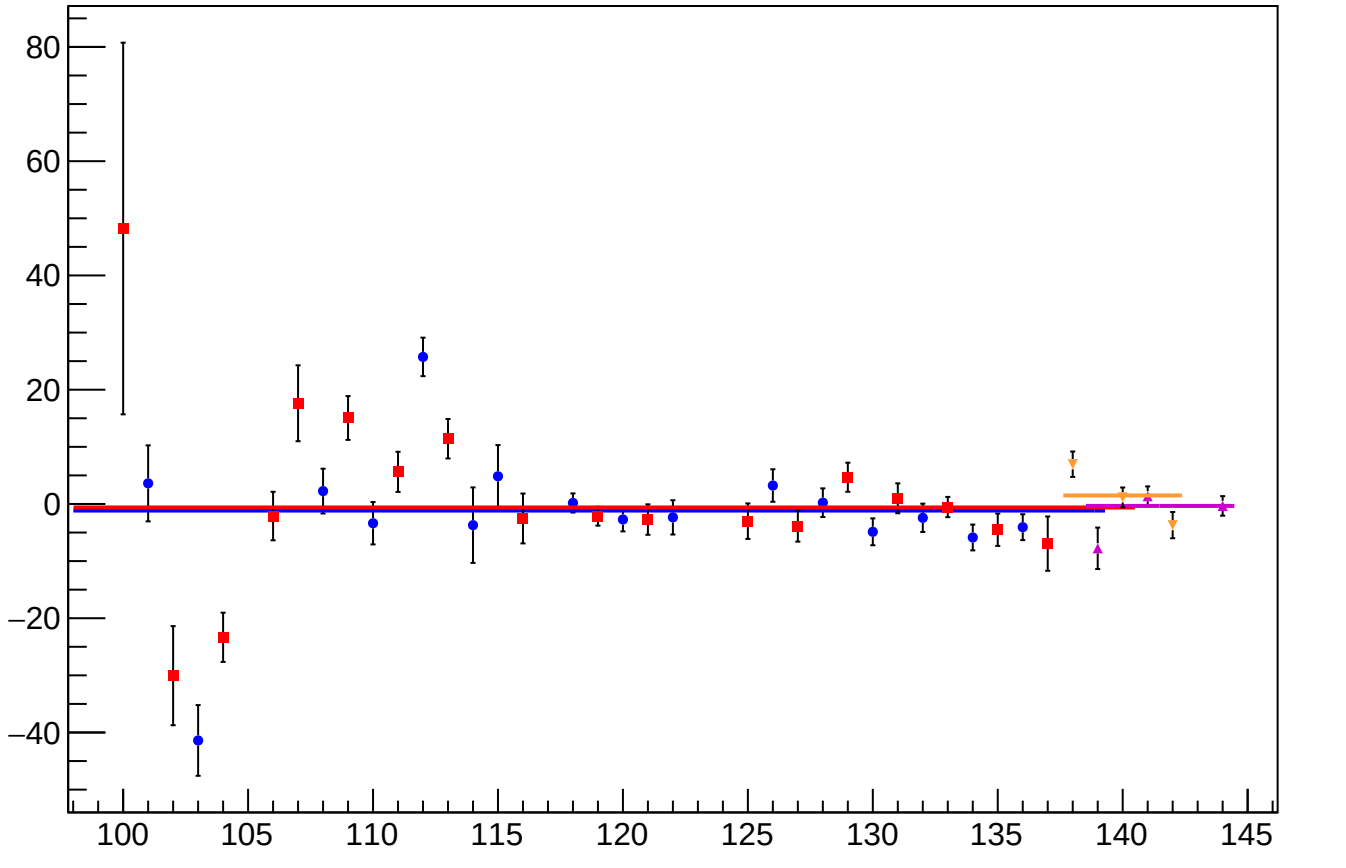
Left: 5.631+/-0.928 χ^2/NDF: 78.9/5

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 16.782+/-0.605 χ^2/NDF:1208.0/18

Out: 13.733+/-0.609 χ^2/NDF:1838.3/20

All: 15.269+/-0.429 χ^2/NDF: 3058.9/39



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.492+/-1.175 χ^2/NDF:11.2/2

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.342+/-1.153 χ^2/NDF:5.1/2

Left: 0.557+/-0.823 χ^2/NDF: 17.6/5

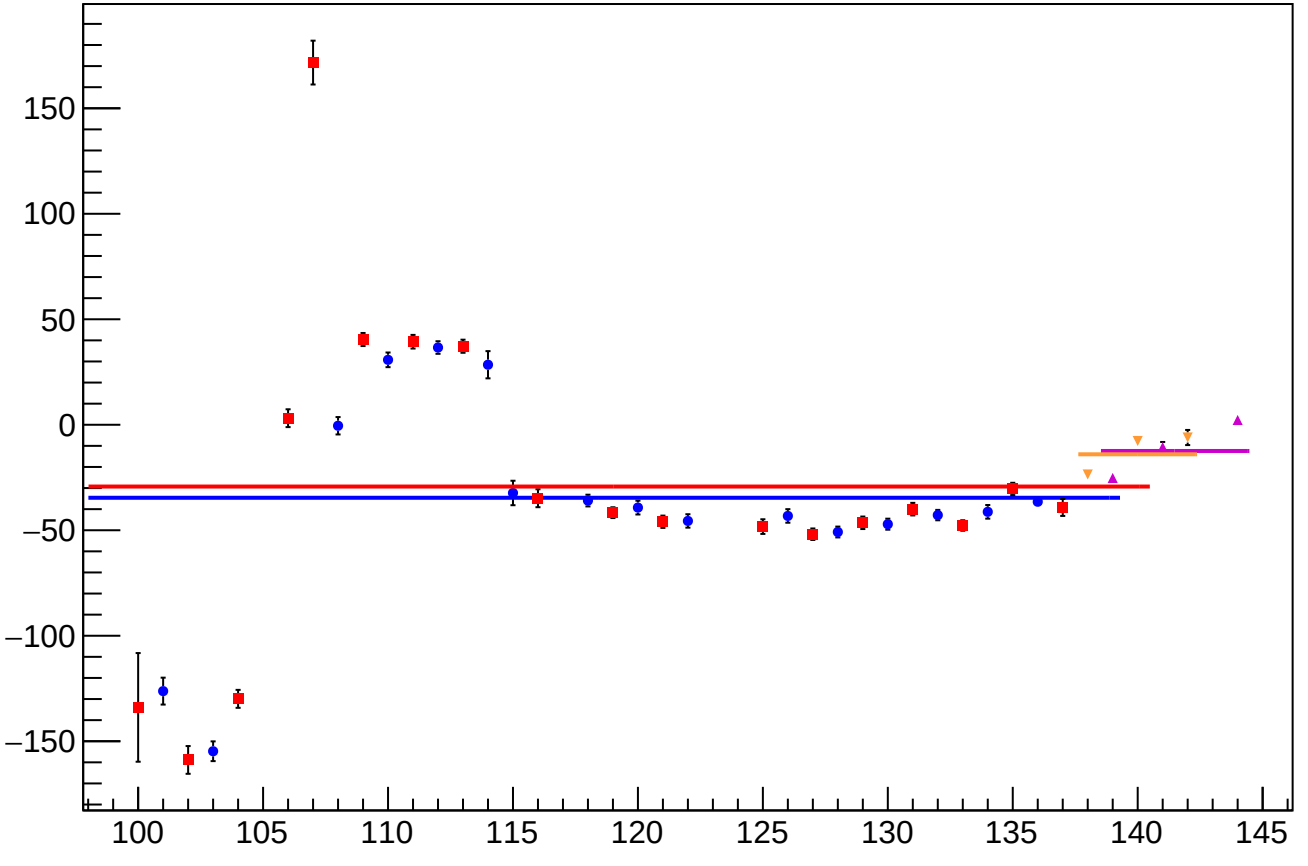
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.933+/-0.598 χ^2/NDF:127.3/18

Out: -0.047+/-0.610 χ^2/NDF:106.9/20

All: -0.499+/-0.427 χ^2/NDF: 235.3/39

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: -14.001+/-1.403 χ^2/NDF:32.9/2

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -12.423+/-1.316 χ^2/NDF:76.2/2

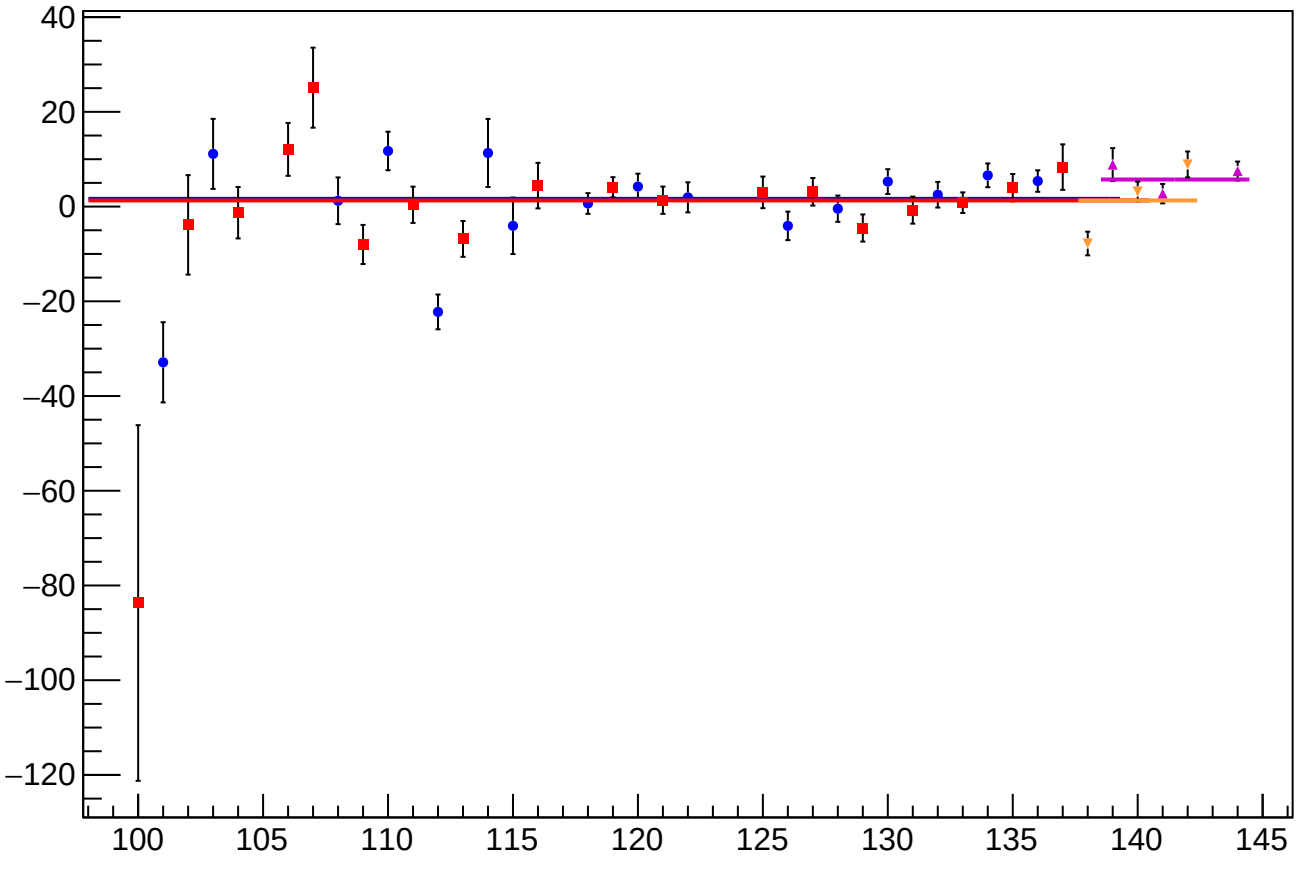
Left: -13.162+/-0.960 χ^2/NDF: 109.7/5

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -28.764+/-0.675 χ^2/NDF:2343.9/18

Out: -25.530+/-0.695 χ^2/NDF:3203.5/20

All: -27.194+/-0.484 χ^2/NDF: 5558.5/39



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.292+/-1.378 χ^2/NDF:21.9/2

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 5.714+/-1.324 χ^2/NDF:3.7/2

Left: 3.592+/-0.954 χ^2/NDF: 31.0/5

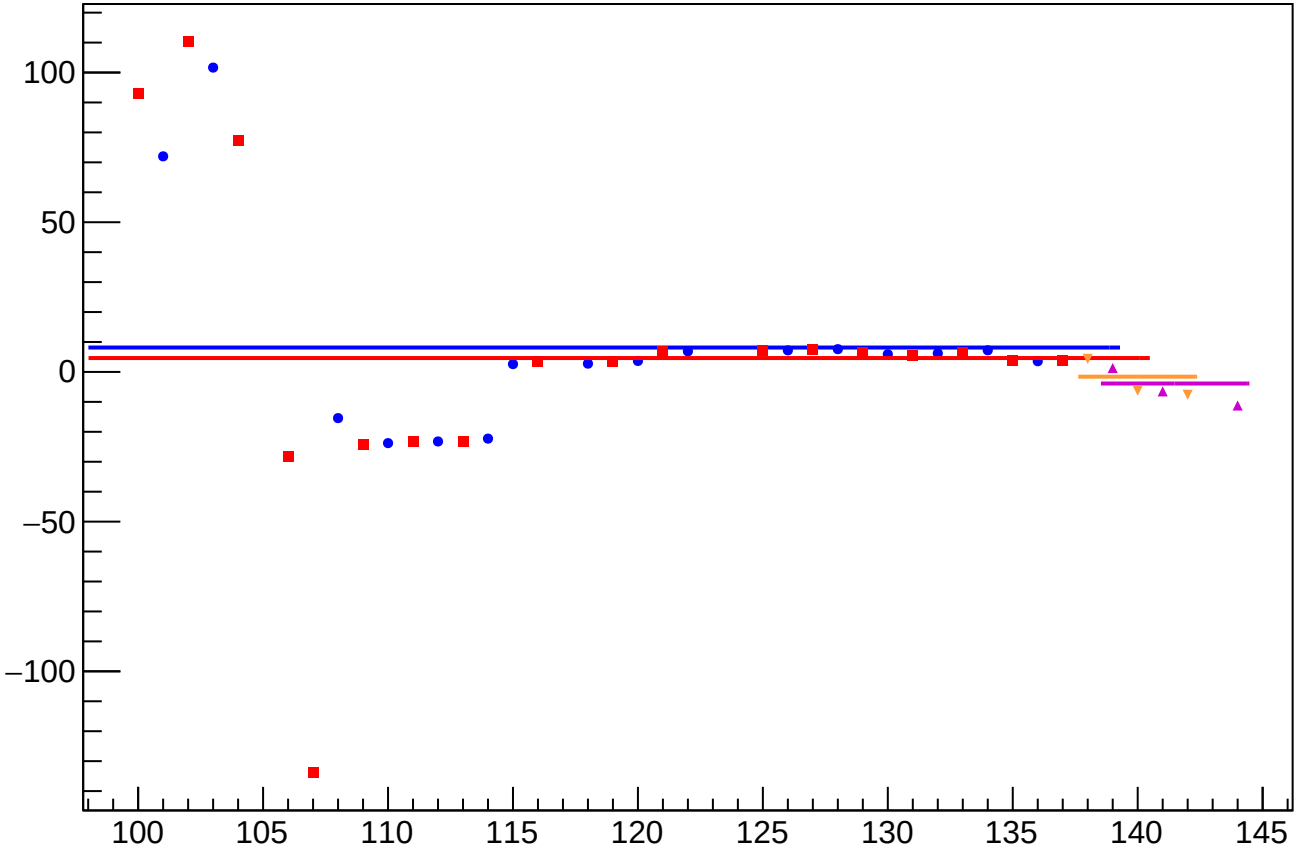
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.717+/-0.683 χ^2/NDF:94.0/18

Out: 1.297+/-0.702 χ^2/NDF:59.4/20

All: 2.027+/-0.490 χ^2/NDF: 155.5/39

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.588+/-0.058 χ^2/NDF:8978.6/2

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.870+/-0.052 χ^2/NDF:10299.1/2

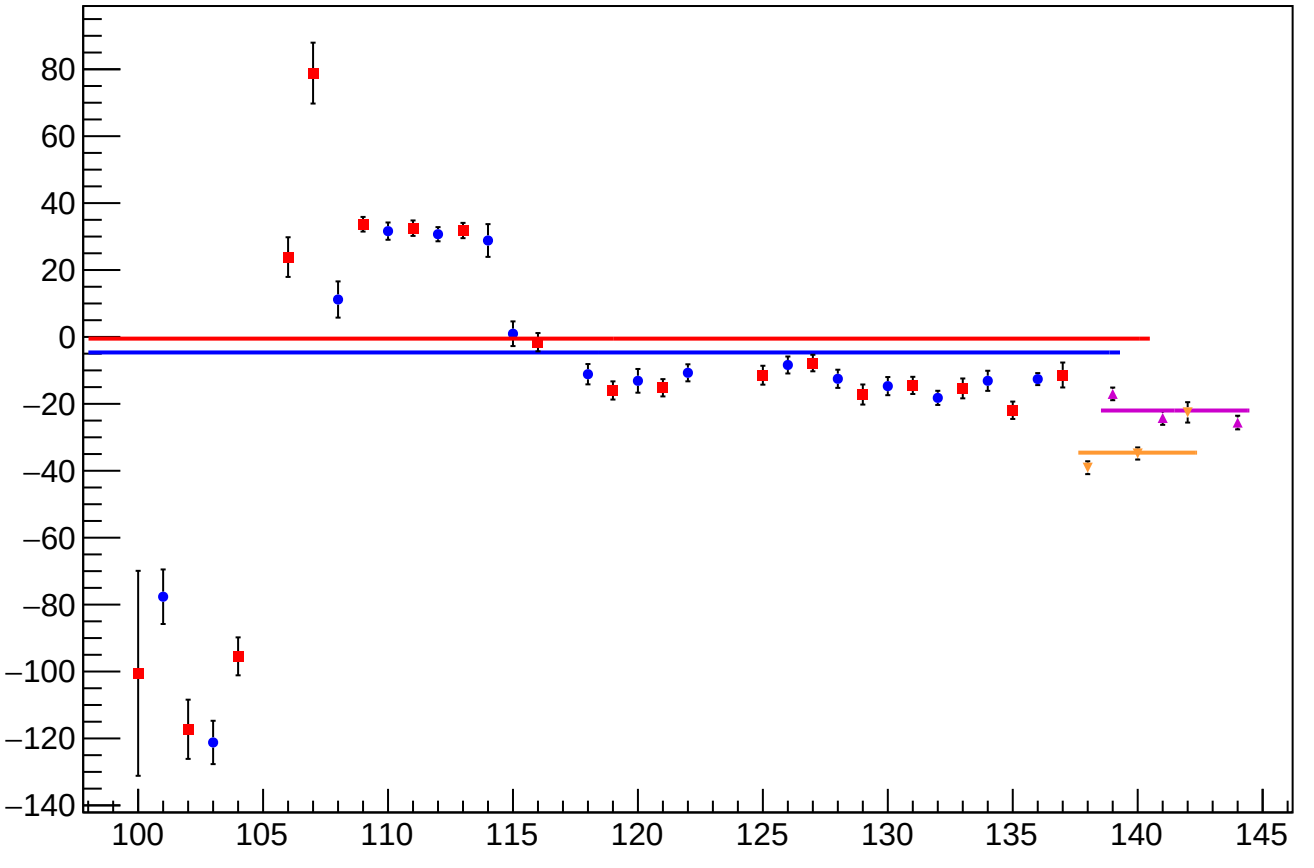
Left: -2.859+/-0.039 χ^2/NDF: 20135.0/5

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 2.559+/-0.035 χ^2/NDF:352342.2/18

Out: 1.891+/-0.039 χ^2/NDF:462187.1/20

All: 2.254+/-0.026 χ^2/NDF: 814691.7/39



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -34.582+/-1.212 χ^2/NDF:21.1/2

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.990+/-1.151 χ^2/NDF:11.2/2

Left: -27.964+/-0.835 χ^2/NDF: 89.0/5

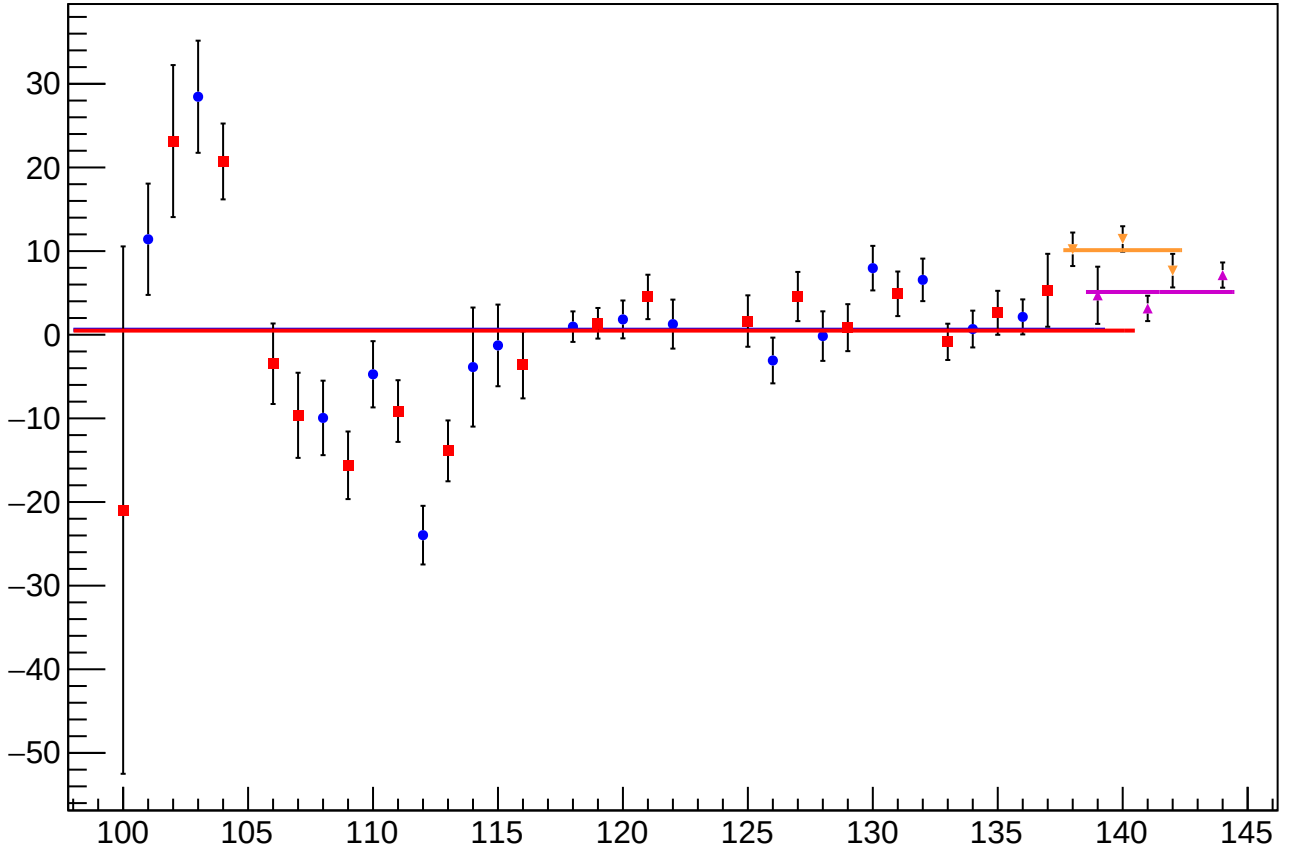
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -9.436+/-0.605 χ^2/NDF:1221.7/18

Out: -9.229+/-0.613 χ^2/NDF:2067.2/20

All: -9.334+/-0.431 χ^2/NDF: 3289.0/39

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 10.113+/-1.036 χ^2/NDF:2.3/2

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 5.111+/-1.020 χ^2/NDF:3.5/2

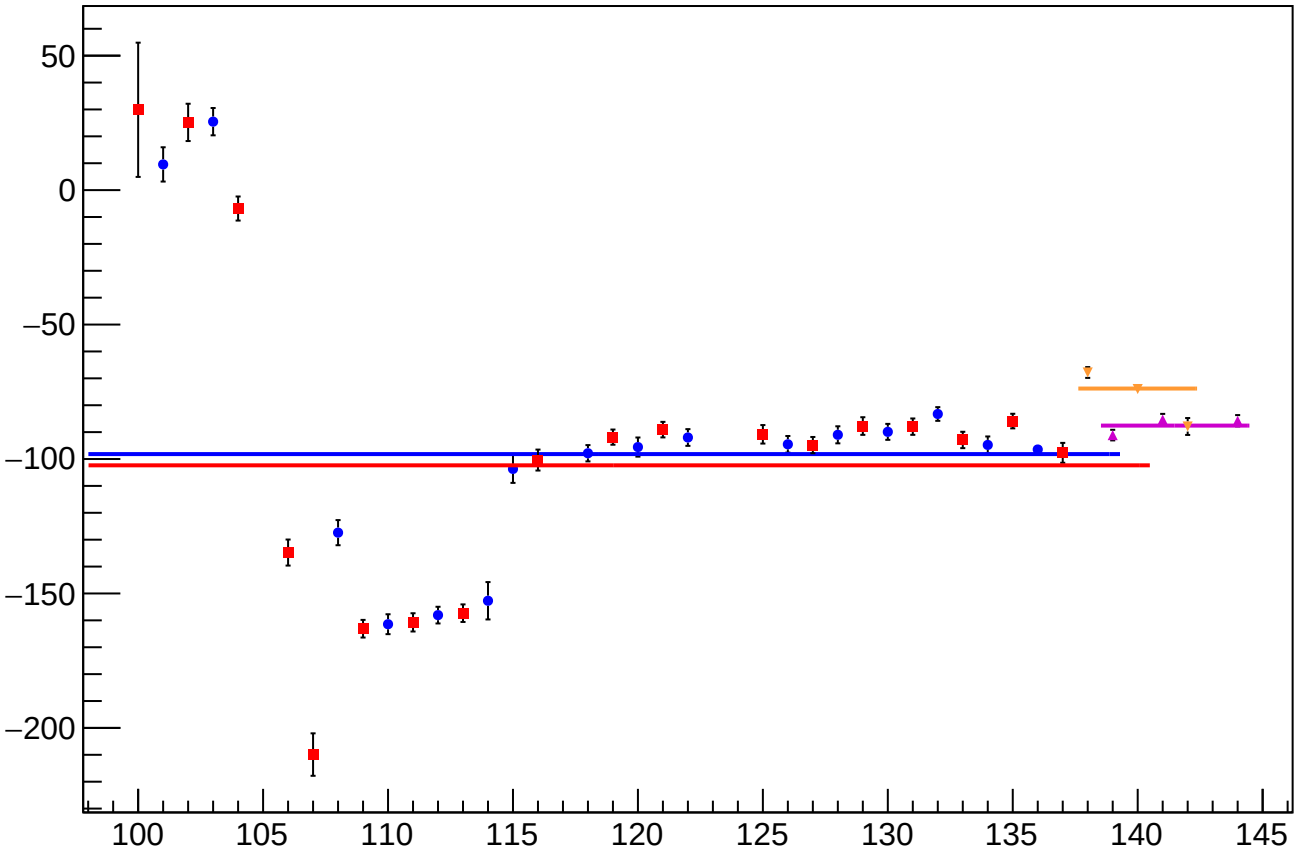
Left: 7.573+/-0.727 χ^2/NDF: 17.6/5

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 2.120+/-0.592 χ^2/NDF:109.3/18

Out: 3.830+/-0.610 χ^2/NDF:138.7/20

All: 2.949+/-0.425 χ^2/NDF: 252.0/39



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.793+/-1.254 χ^2/NDF:29.0/2

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -87.570+/-1.189 χ^2/NDF:5.1/2

Left: -81.047+/-0.863 χ^2/NDF: 97.6/5

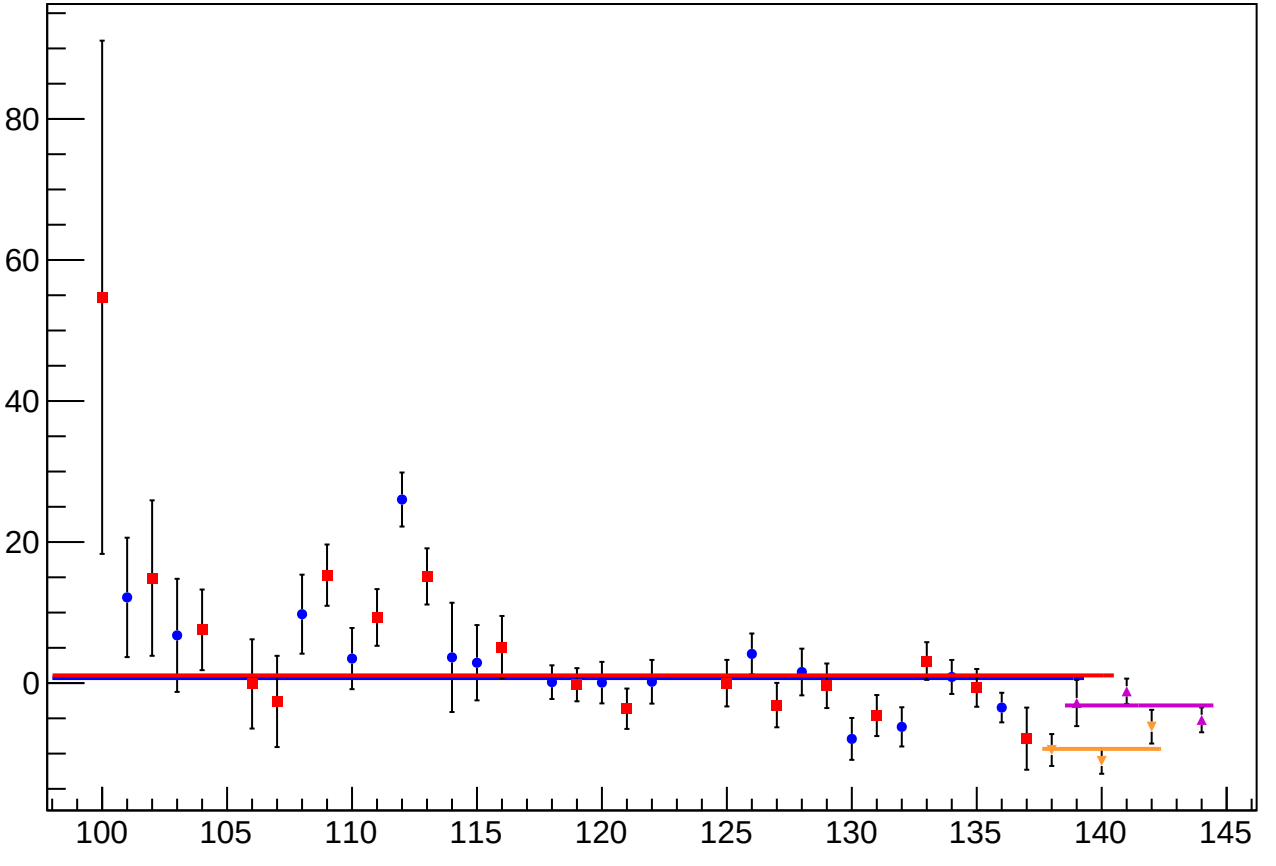
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -94.795+/-0.671 χ^2/NDF:1759.1/18

Out: -93.551+/-0.696 χ^2/NDF:2505.2/20

All: -94.196+/-0.483 χ^2/NDF: 4266.0/39

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -9.331+/-1.219 χ^2/NDF:2.6/2

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -3.171+/-1.176 χ^2/NDF:2.6/2

Left: -6.140+/-0.846 χ^2/NDF: 18.5/5

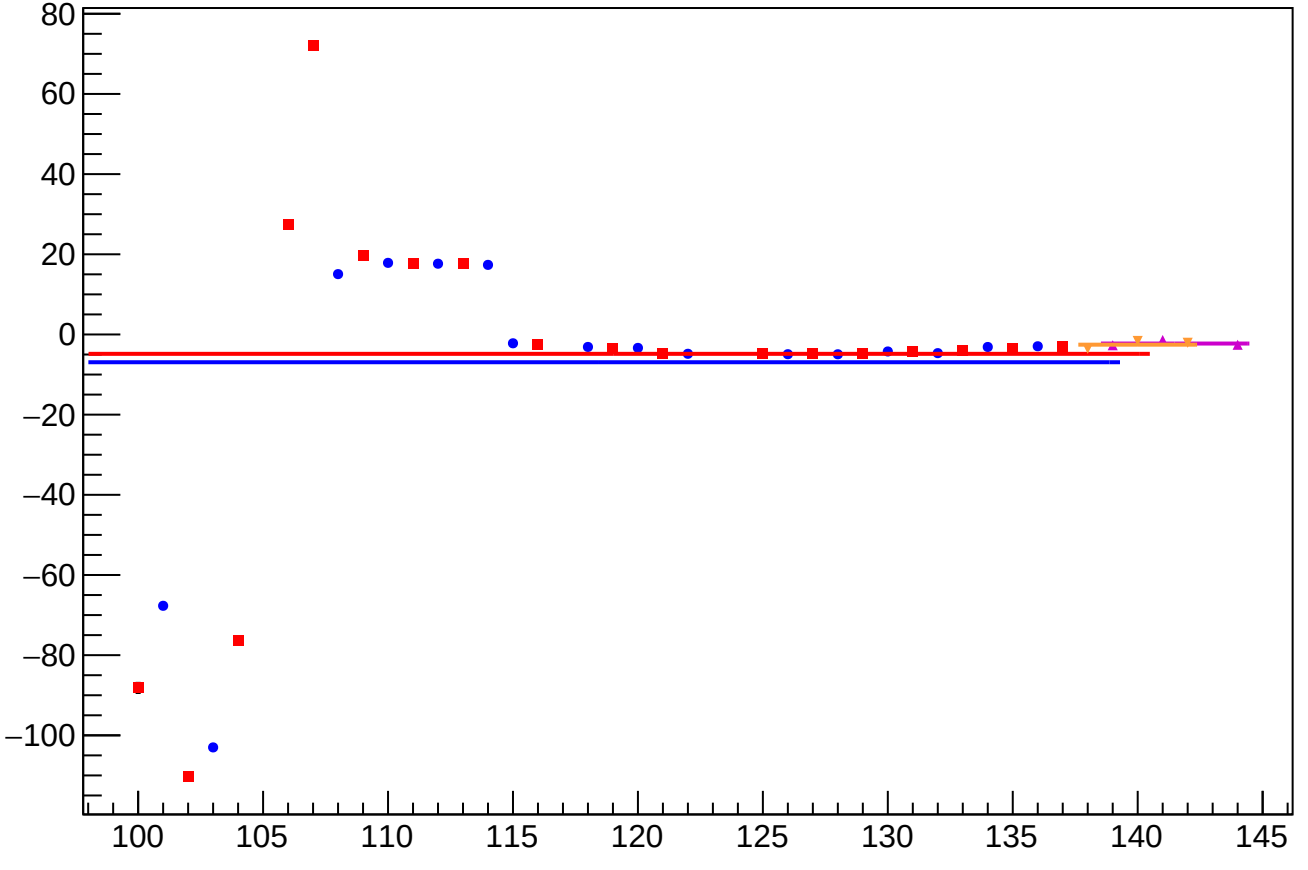
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -0.562+/-0.673 χ^2/NDF:79.5/18

Out: -2.355+/-0.701 χ^2/NDF:99.2/20

All: -1.423+/-0.486 χ^2/NDF: 182.1/39

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.545+/-0.052 χ^2/NDF:306.0/2

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -2.265+/-0.047 χ^2/NDF:153.2/2

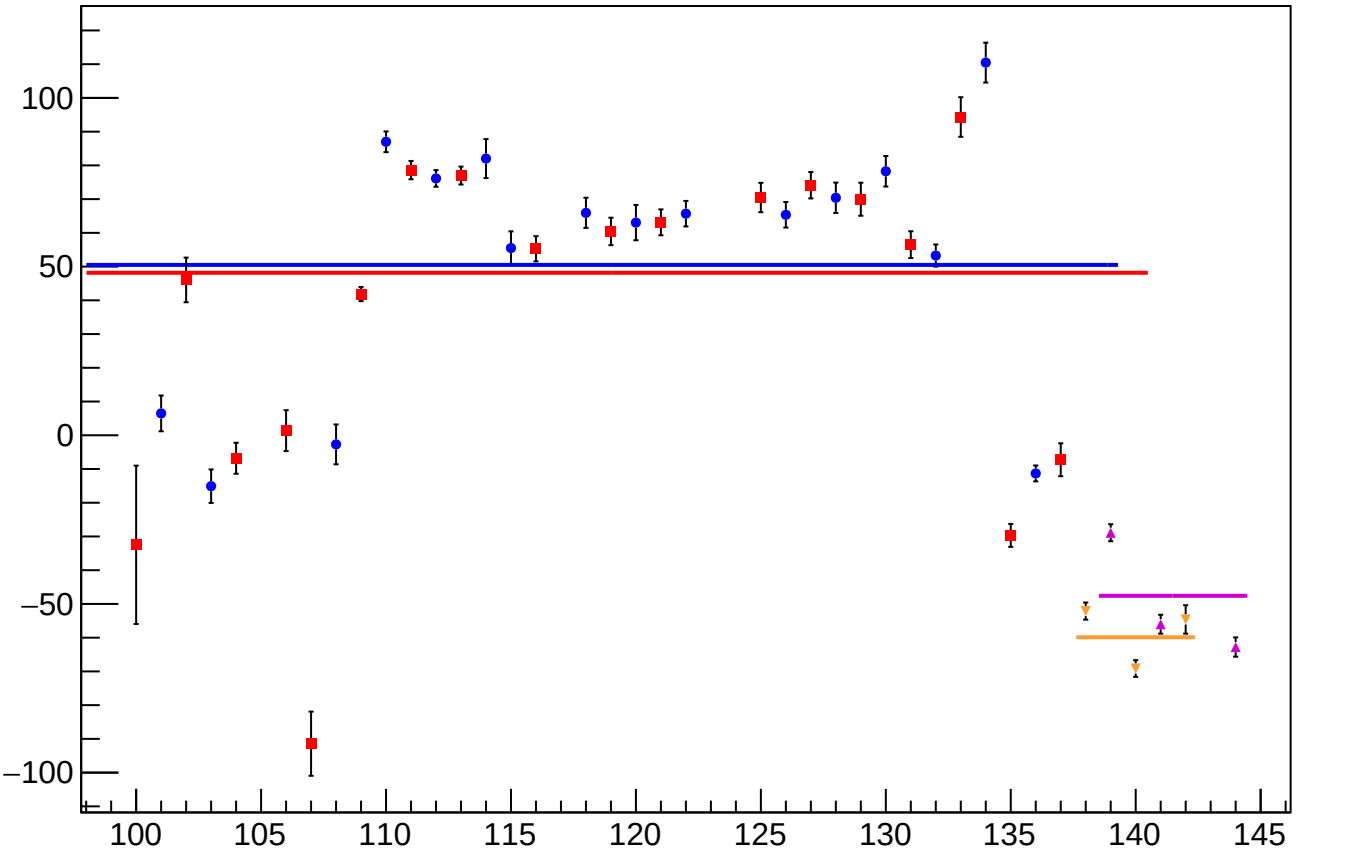
Left: -2.391+/-0.035 χ^2/NDF: 475.0/5

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

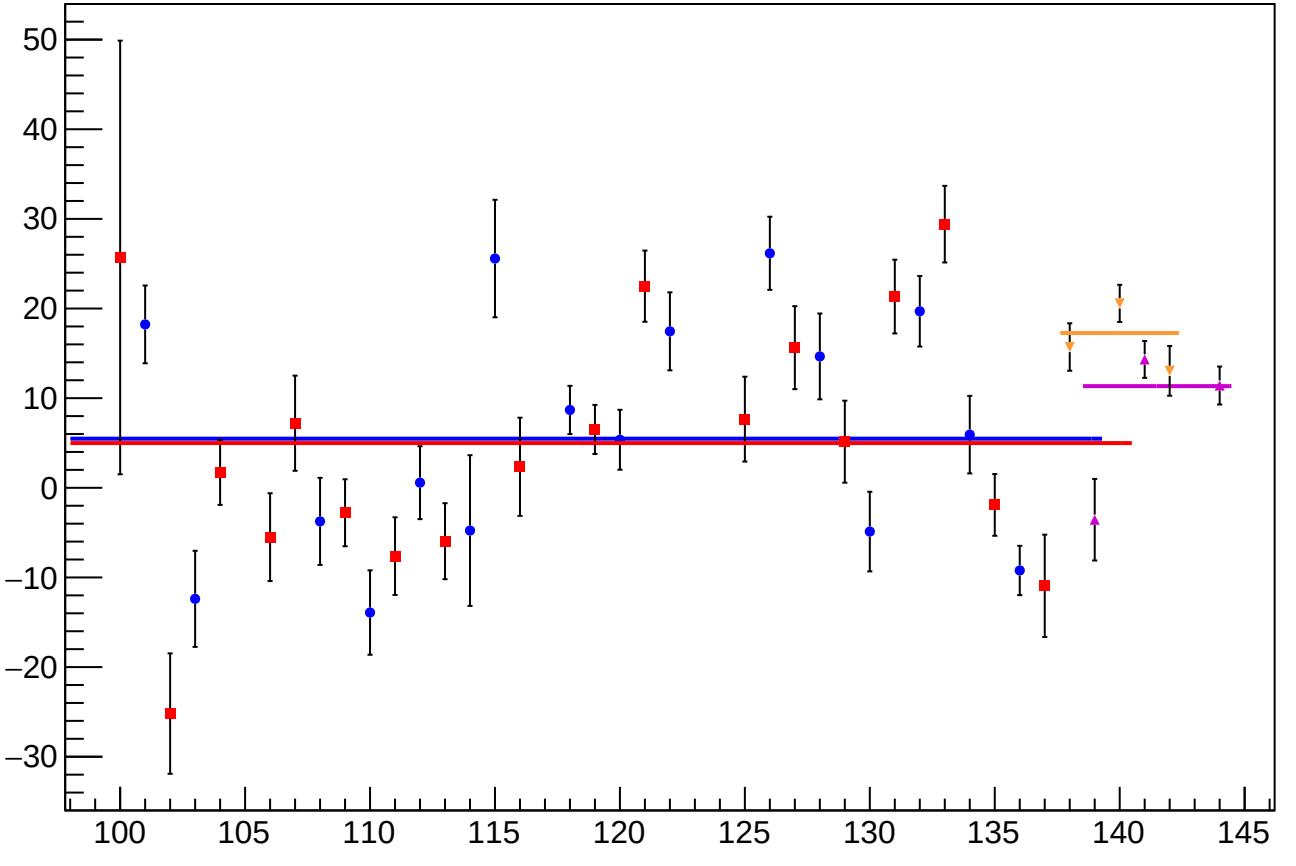
In: -4.531+/-0.034 χ^2/NDF:270085.0/18

Out: -3.678+/-0.037 χ^2/NDF:340617.2/20

All: -4.144+/-0.025 χ^2/NDF: 610990.3/39


reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
105
110
115
120
125
130
135
140
145
Right In: 50.503+/-0.965 χ²/NDF: 1503.6/15
Left Out: -59.881+/-1.635 χ²/NDF:24.9/2
Right Out: 48.172+/-0.914 χ²/NDF: 1519.5/17
Left In: -47.585+/-1.568 χ²/NDF:92.0/2
Left: -53.478+/-1.132 χ²/NDF: 146.4/5
Right: 49.274+/-0.664 χ²/NDF: 3026.2/33
In: 23.546+/-0.822 χ²/NDF:4433.2/18
Out: 22.426+/-0.798 χ²/NDF:4872.3/20
All: 22.969+/-0.573 χ²/NDF: 9306.4/39

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: 17.267+/-1.407 χ^2/NDF:5.2/2

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 11.344+/-1.402 χ^2/NDF:12.8/2

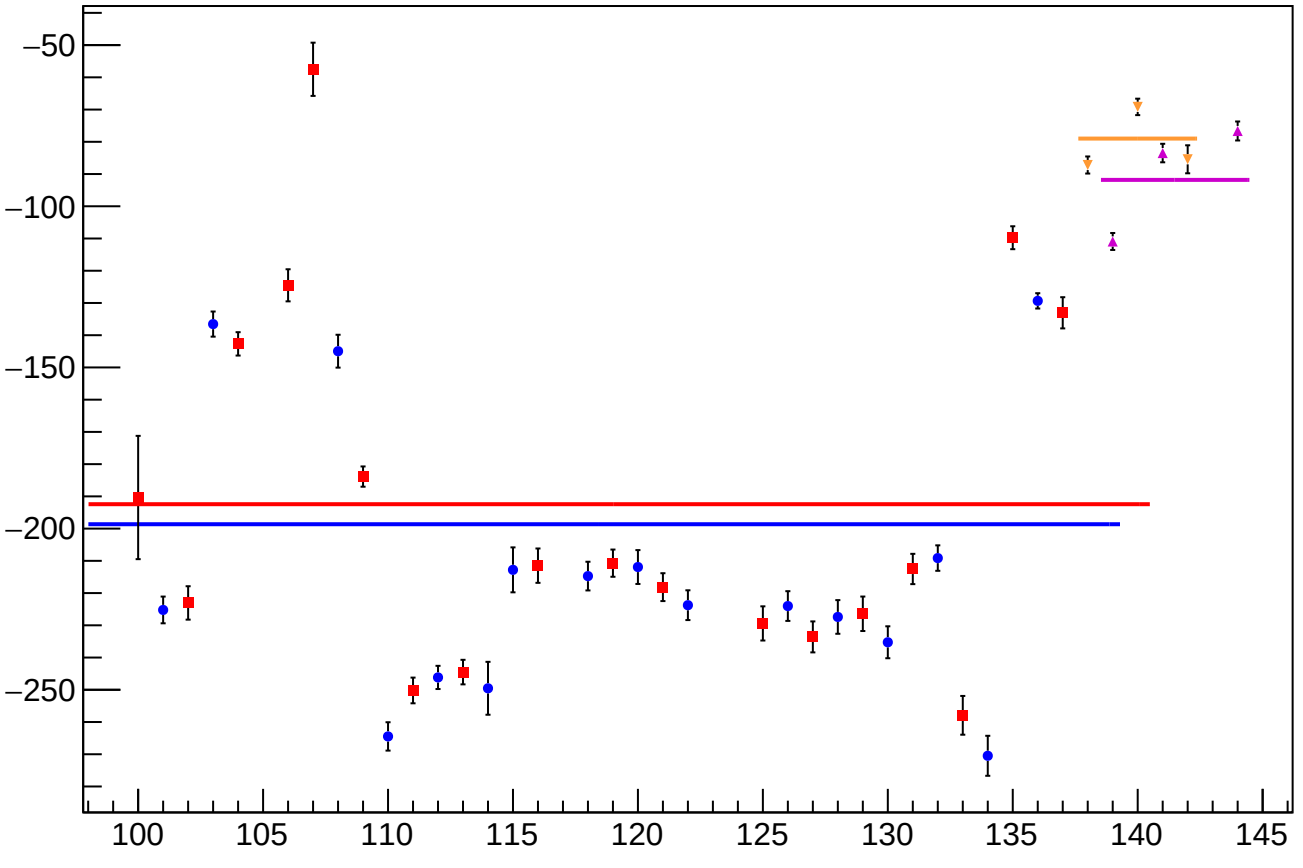
Left: 14.296+/-0.993 χ^2/NDF: 26.9/5

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 7.513+/-0.826 χ^2/NDF:162.4/18

Out: 9.235+/-0.827 χ^2/NDF:186.9/20

All: 8.372+/-0.584 χ^2/NDF: 351.4/39



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -79.000+/-1.692 χ^2/NDF:26.6/2

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -91.815+/-1.620 χ^2/NDF:87.6/2

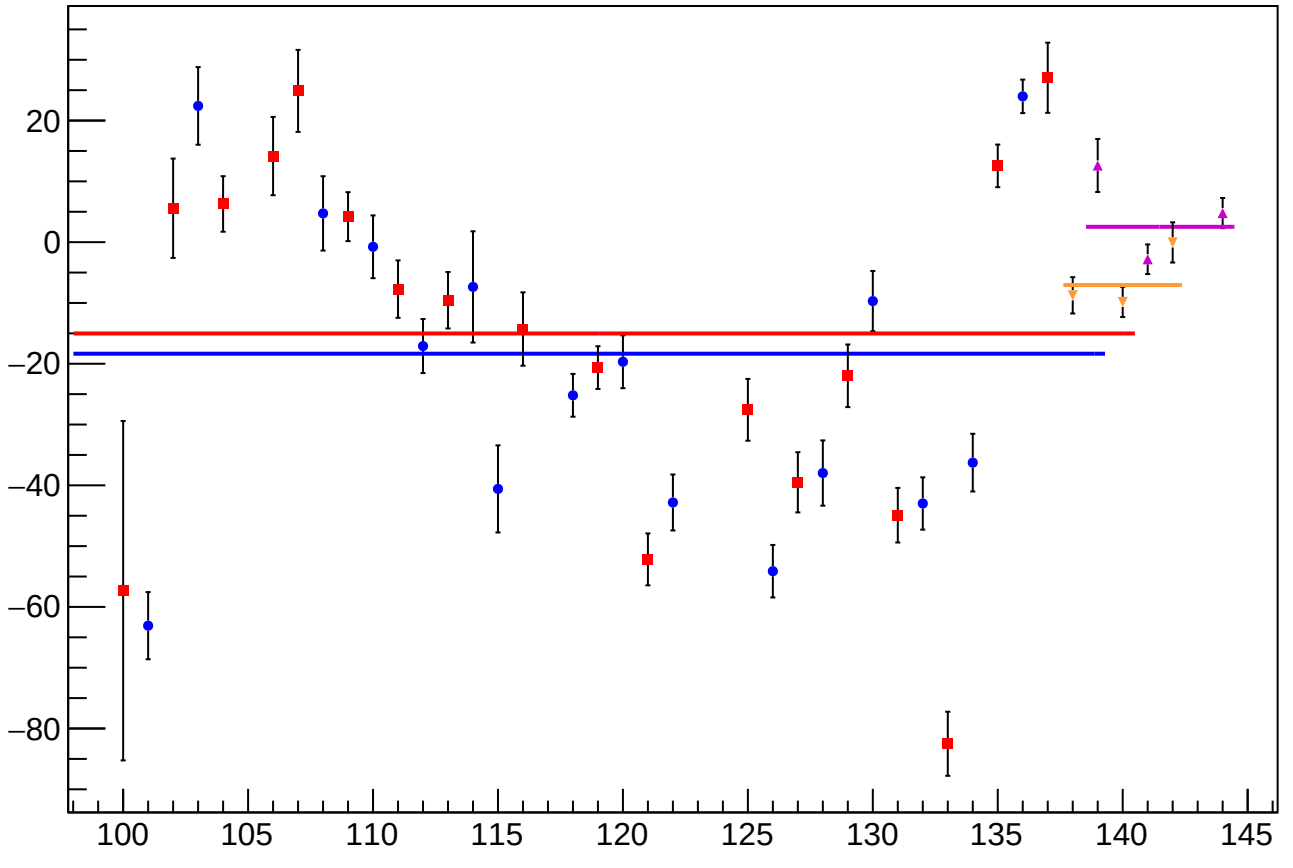
Left: -85.686+/-1.170 χ^2/NDF: 144.2/5

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -165.637+/-0.901 χ^2/NDF:5093.7/18

Out: -159.613+/-0.910 χ^2/NDF:5358.1/20

All: -162.657+/-0.640 χ^2/NDF: 10474.0/39



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -7.054+/-1.653 χ^2/NDF:6.1/2

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 2.525+/-1.614 χ^2/NDF:11.0/2

Left: -2.150+/-1.155 χ^2/NDF: 34.2/5

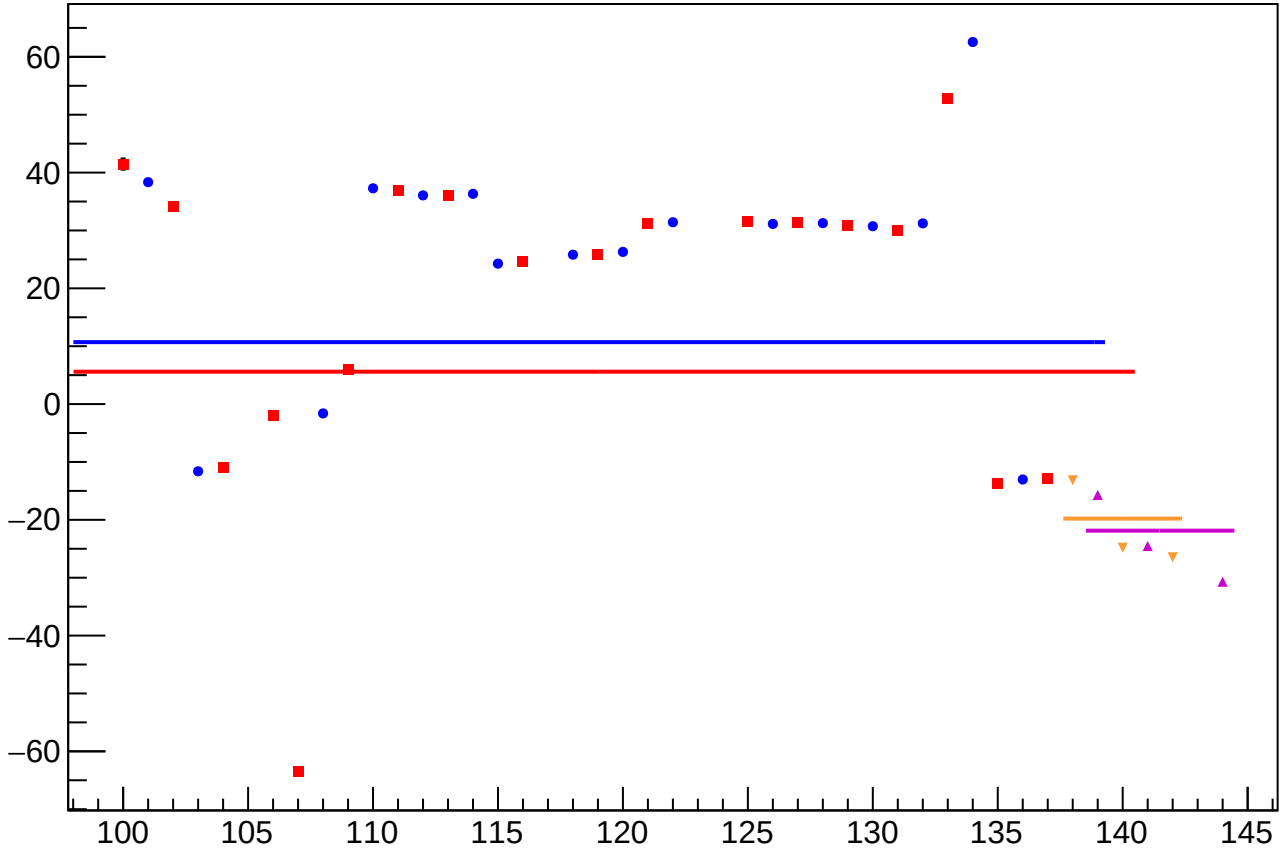
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -11.245+/-0.942 χ^2/NDF:665.2/18

Out: -12.387+/-0.951 χ^2/NDF:568.1/20

All: -11.811+/-0.669 χ^2/NDF: 1234.0/39

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.784+/-0.070 χ^2/NDF:7419.1/2

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -21.870+/-0.064 χ^2/NDF:9304.9/2

Left: -20.926+/-0.047 χ^2/NDF: 17204.3/5

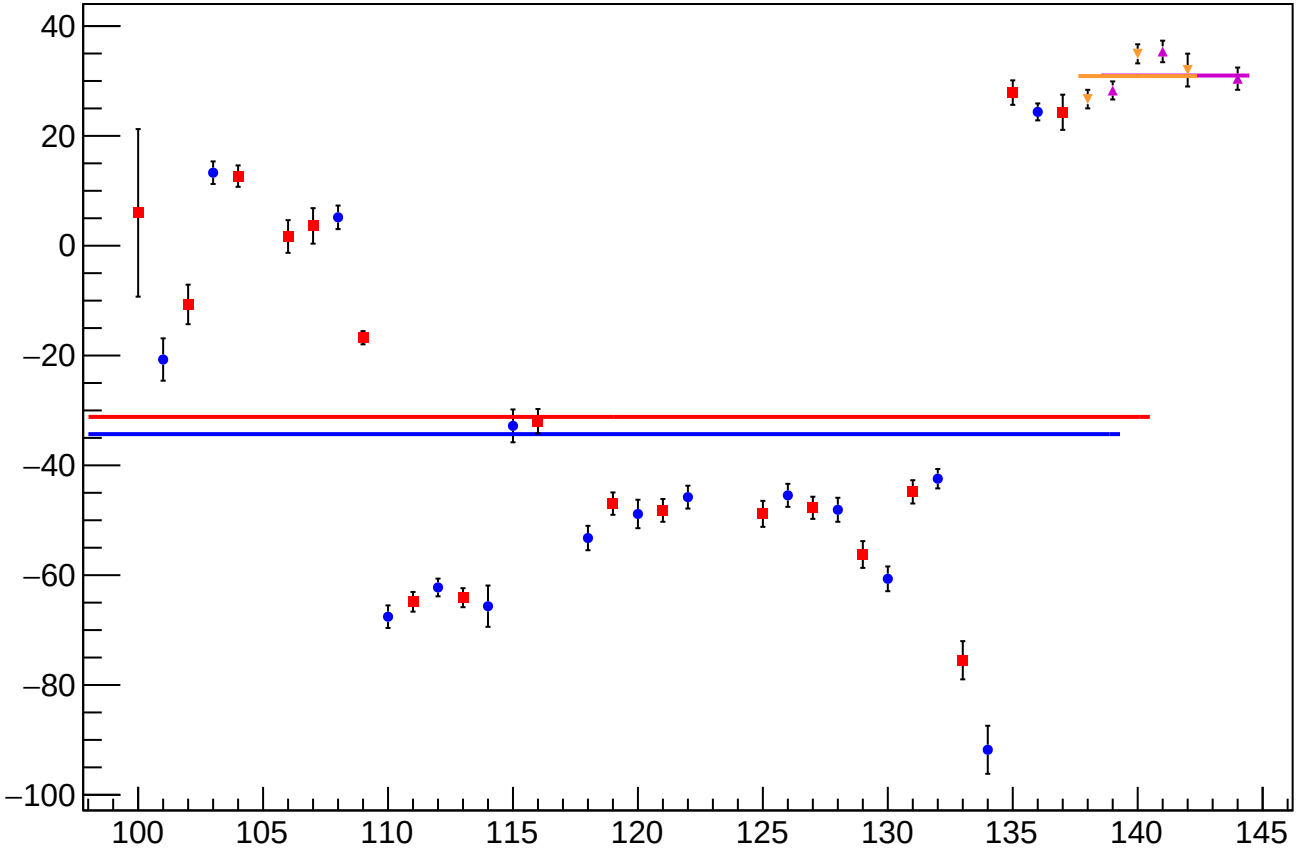
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -5.299+/-0.045 χ^2/NDF:305907.1/18

Out: -5.810+/-0.047 χ^2/NDF:233909.2/20

All: -5.541+/-0.033 χ^2/NDF: 539877.9/39

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 30.889+/-1.123 χ^2/NDF:11.7/2

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 30.991+/-1.070 χ^2/NDF:7.8/2

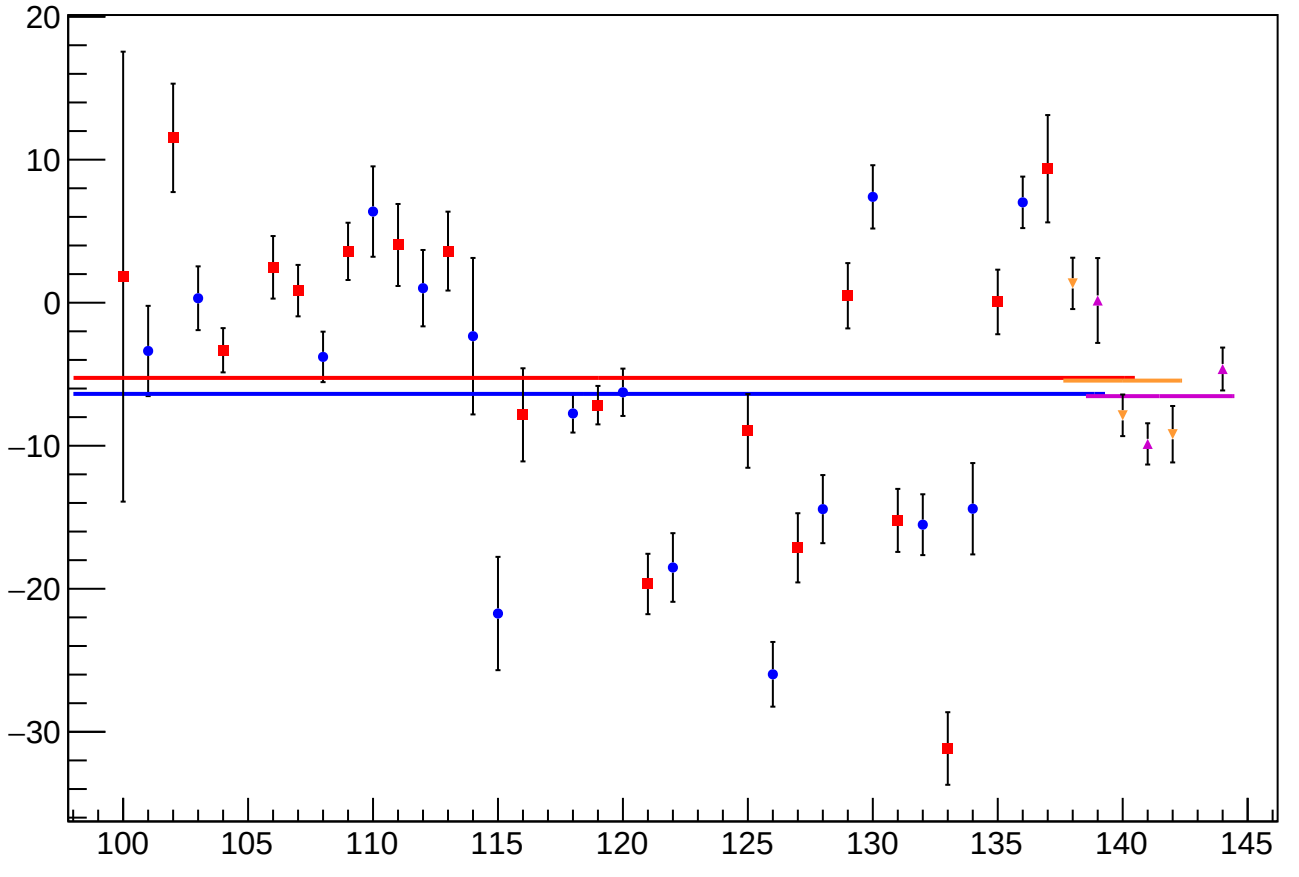
Left: 30.943+/-0.775 χ^2/NDF: 19.5/5

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -20.762+/-0.488 χ^2/NDF:6457.8/18

Out: -20.362+/-0.469 χ^2/NDF:5735.1/20

All: -20.554+/-0.338 χ^2/NDF: 12193.3/39



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -5.446+/-0.981 χ^2/NDF:20.7/2

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -6.532+/-0.981 χ^2/NDF:12.0/2

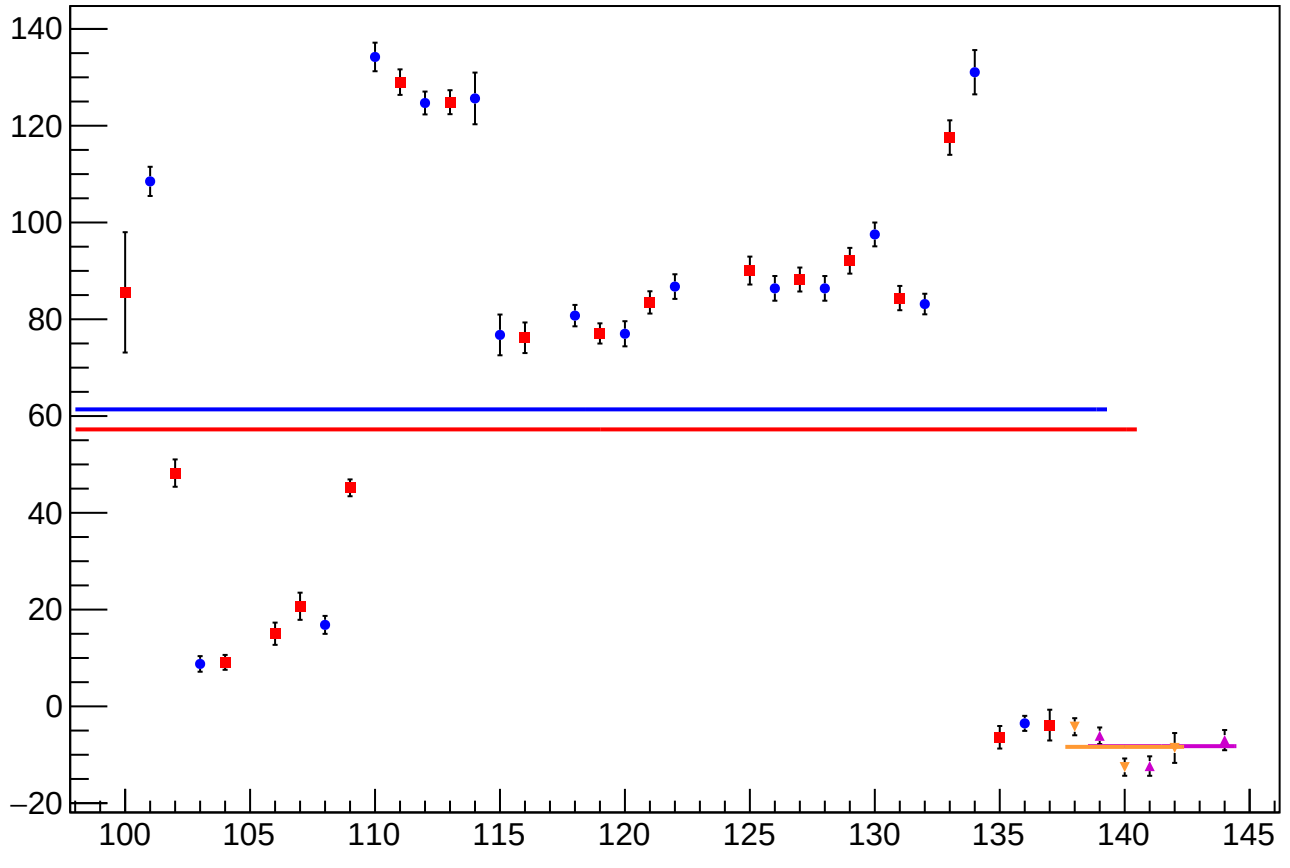
Left: -5.989+/-0.694 χ^2/NDF: 33.4/5

Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -6.413+/-0.482 χ^2/NDF:295.7/18

Out: -5.300+/-0.468 χ^2/NDF:333.7/20

All: -5.840+/-0.336 χ^2/NDF: 632.1/39



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.369+/-1.163 χ^2/NDF:11.1/2

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.222+/-1.107 χ^2/NDF:6.1/2

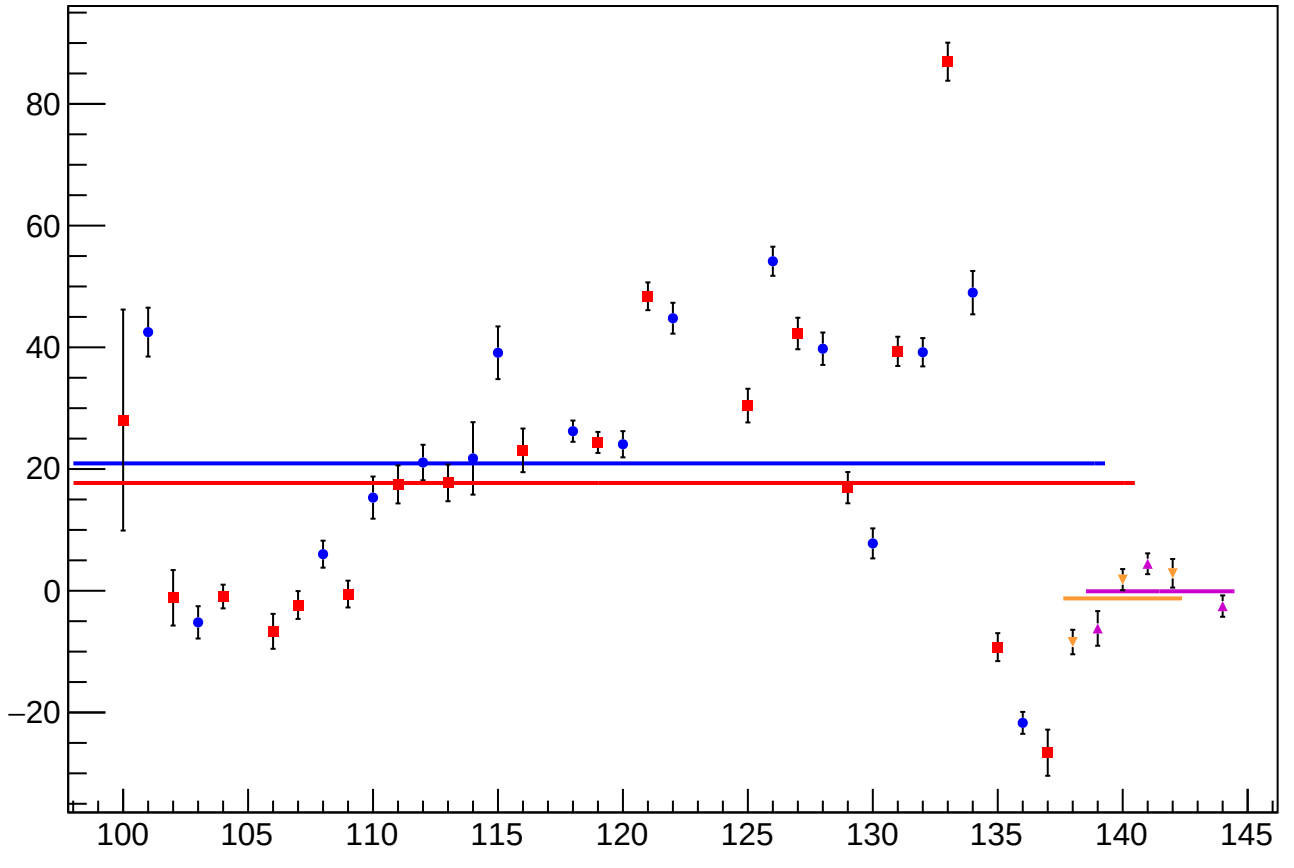
Left: -8.292+/-0.802 χ^2/NDF: 17.2/5

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 45.797+/-0.524 χ^2/NDF:9143.0/18

Out: 44.164+/-0.519 χ^2/NDF:7827.1/20

All: 44.974+/-0.369 χ^2/NDF: 16975.0/39



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.257+/-1.149 χ^2/NDF:18.9/2

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -0.084+/-1.125 χ^2/NDF:13.5/2

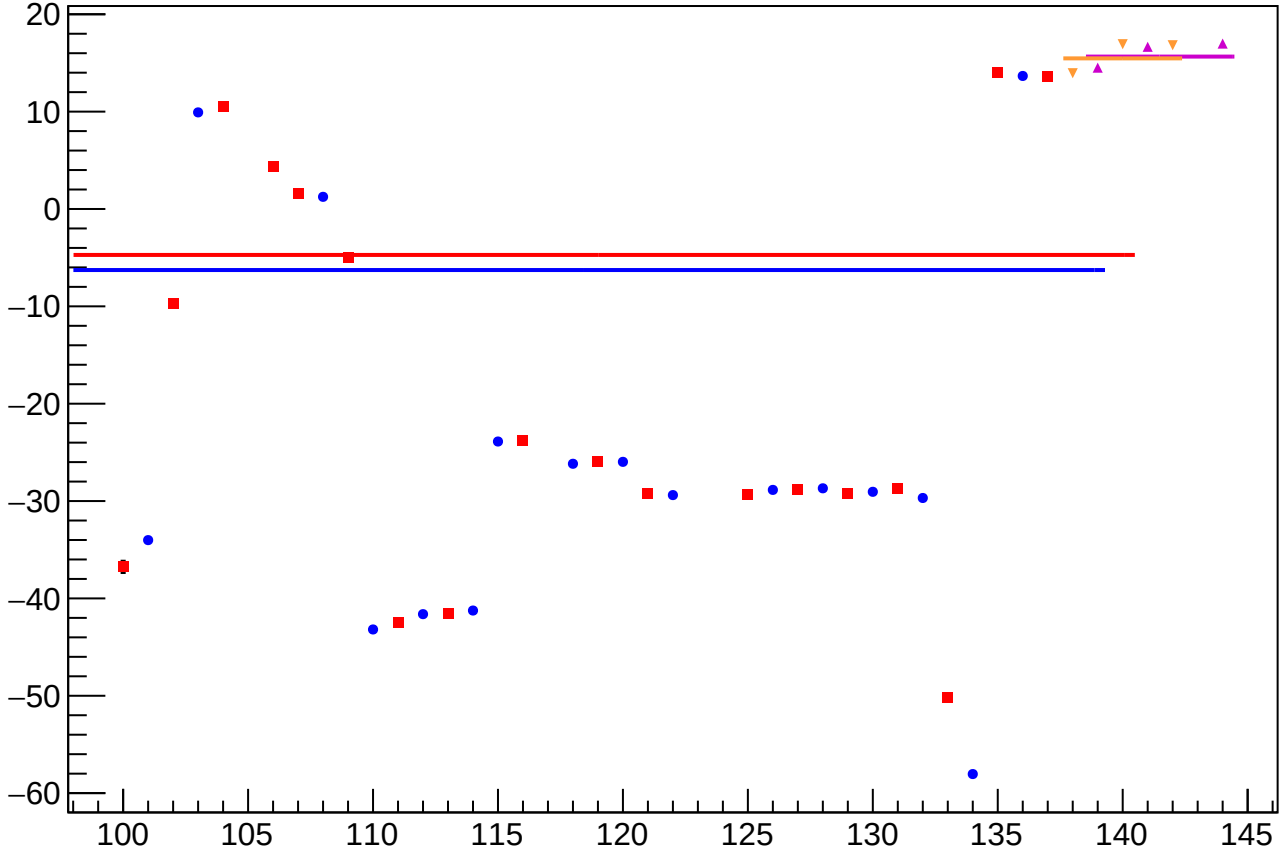
Left: -0.658+/-0.804 χ^2/NDF: 32.9/5

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 15.790+/-0.556 χ^2/NDF:1522.6/18

Out: 13.452+/-0.544 χ^2/NDF:1712.2/20

All: 14.595+/-0.389 χ^2/NDF: 3243.8/39



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.470+/-0.048 χ^2/NDF:937.7/2

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.653+/-0.043 χ^2/NDF:700.9/2

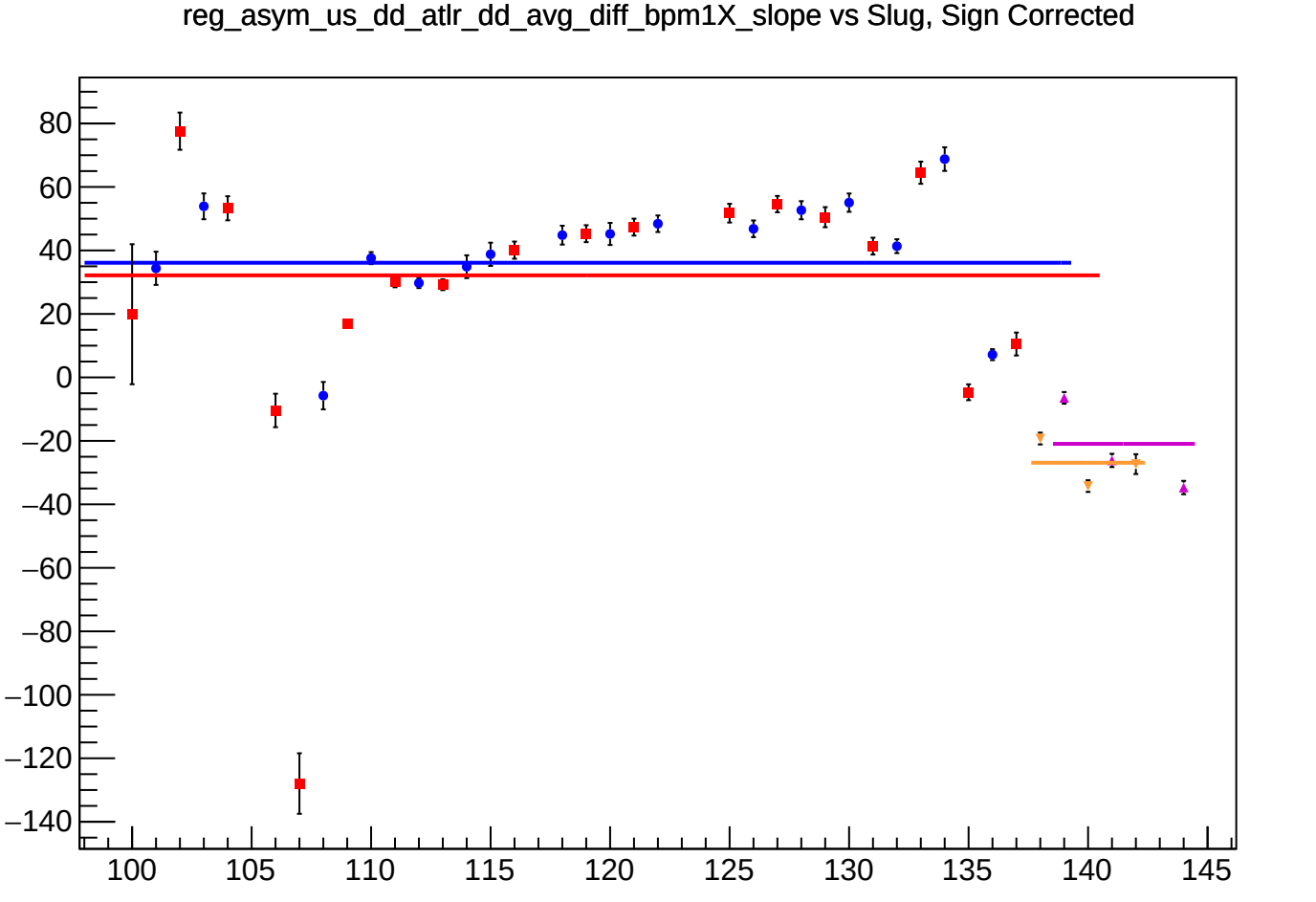
Left: 15.571+/-0.032 χ^2/NDF: 1646.6/5

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

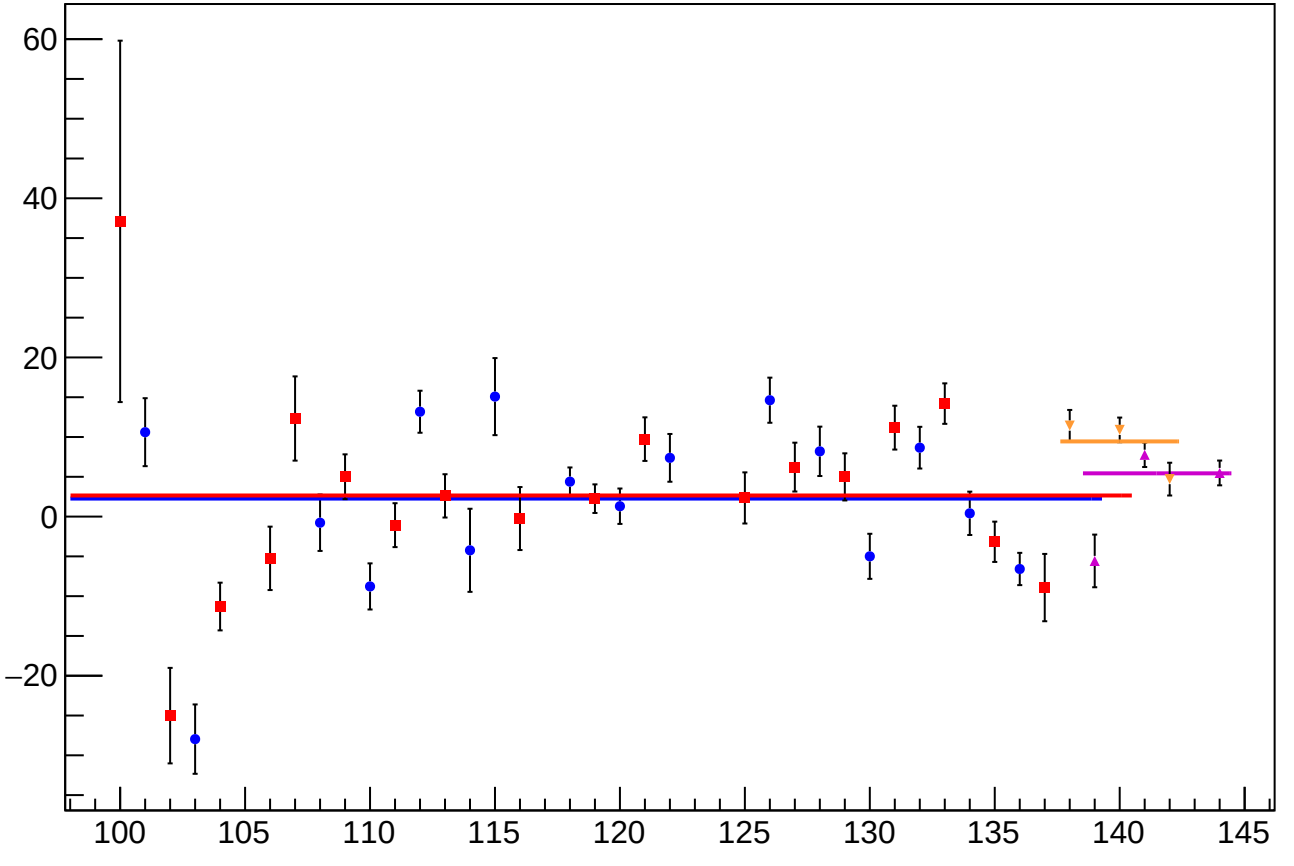
In: 1.889+/-0.026 χ^2/NDF:571377.6/18

Out: 1.914+/-0.028 χ^2/NDF:425615.1/20

All: 1.901+/-0.019 χ^2/NDF: 996993.1/39


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
105
110
115
120
125
130
135
140
145
Right In: 36.118+/-0.656 χ²/NDF: 622.8/15
Left Out: -26.896+/-1.212 χ²/NDF:32.5/2
Right Out: 32.150+/-0.631 χ²/NDF: 1114.6/17
Left In: -20.936+/-1.154 χ²/NDF:111.4/2
Left: -23.770+/-0.836 χ²/NDF: 156.5/5
Right: 34.055+/-0.455 χ²/NDF: 1756.4/33
In: 22.166+/-0.571 χ²/NDF:2581.6/18
Out: 19.565+/-0.559 χ²/NDF:3015.6/20
All: 20.840+/-0.399 χ²/NDF: 5607.8/39

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: 9.446+/-1.048 χ^2/NDF:7.2/2

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 5.436+/-1.039 χ^2/NDF:13.4/2

Left: 7.424+/-0.738 χ^2/NDF: 27.9/5

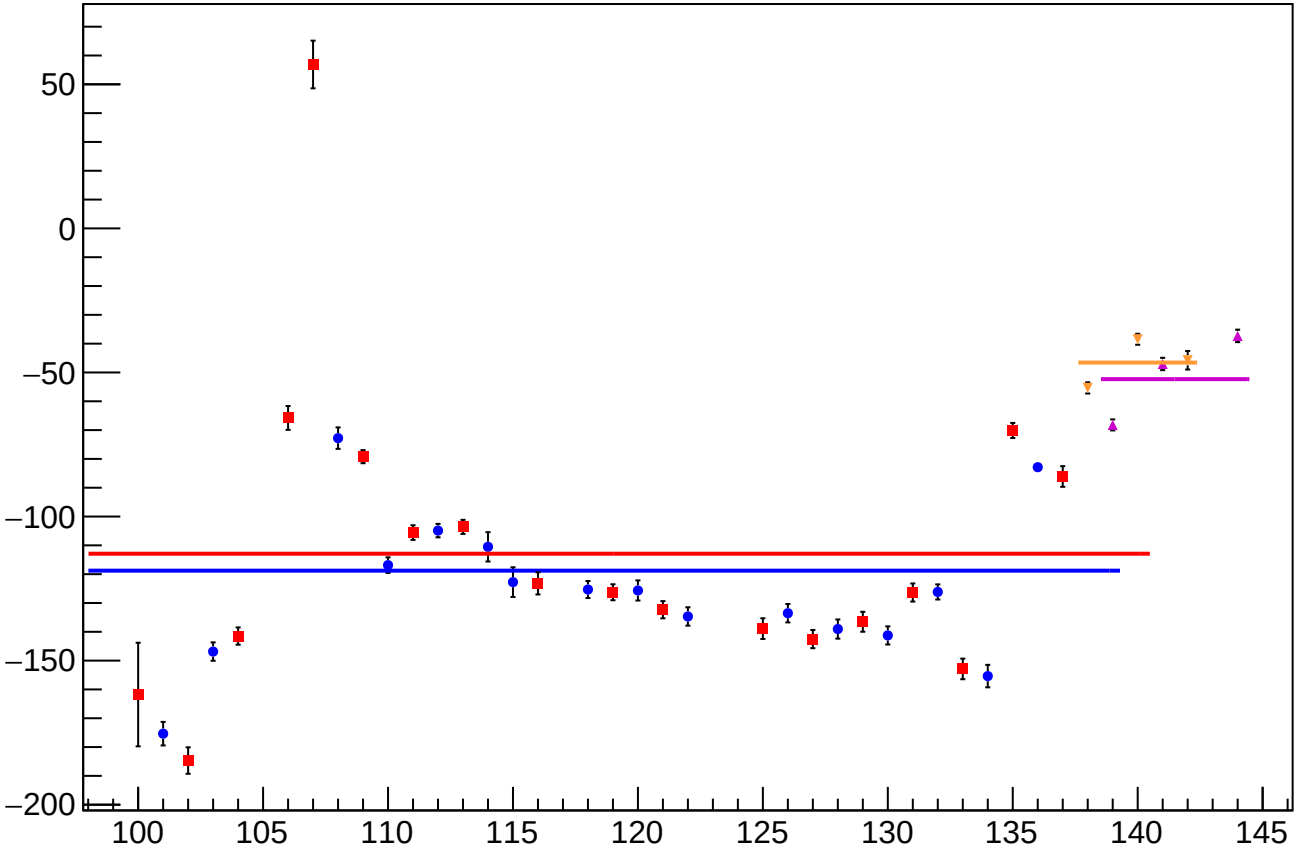
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 3.258+/-0.581 χ^2/NDF:171.8/18

Out: 4.811+/-0.591 χ^2/NDF:143.1/20

All: 4.022+/-0.414 χ^2/NDF: 318.4/39

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -46.567+/-1.255 χ^2/NDF:38.4/2

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -52.322+/-1.192 χ^2/NDF:123.0/2

Left: -49.591+/-0.864 χ^2/NDF: 172.5/5

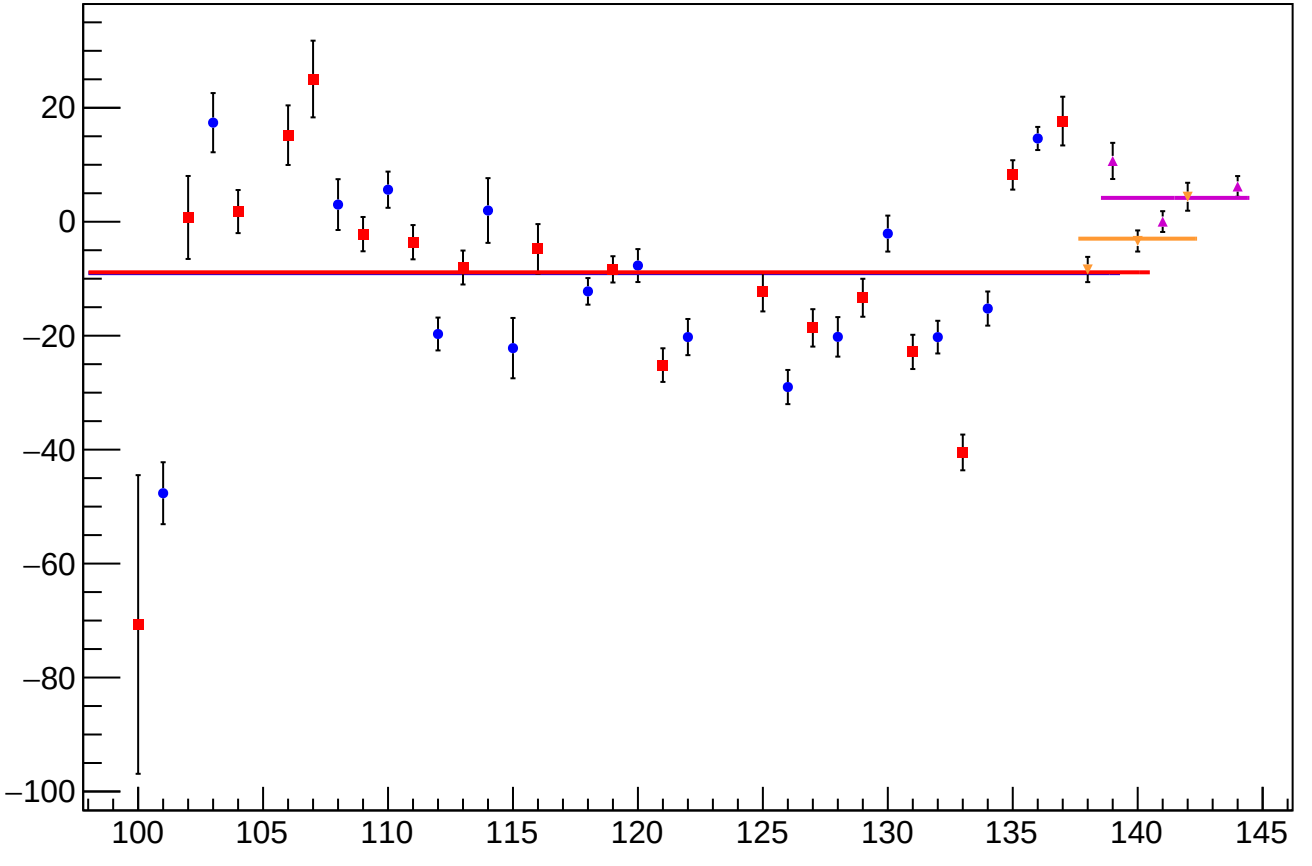
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -99.692+/-0.639 χ^2/NDF:3456.9/18

Out: -95.058+/-0.651 χ^2/NDF:3945.0/20

All: -97.417+/-0.456 χ^2/NDF: 7427.7/39

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -2.970+/-1.230 χ^2/NDF:15.0/2

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 4.187+/-1.194 χ^2/NDF:10.6/2

Left: 0.712+/-0.857 χ^2/NDF: 43.0/5

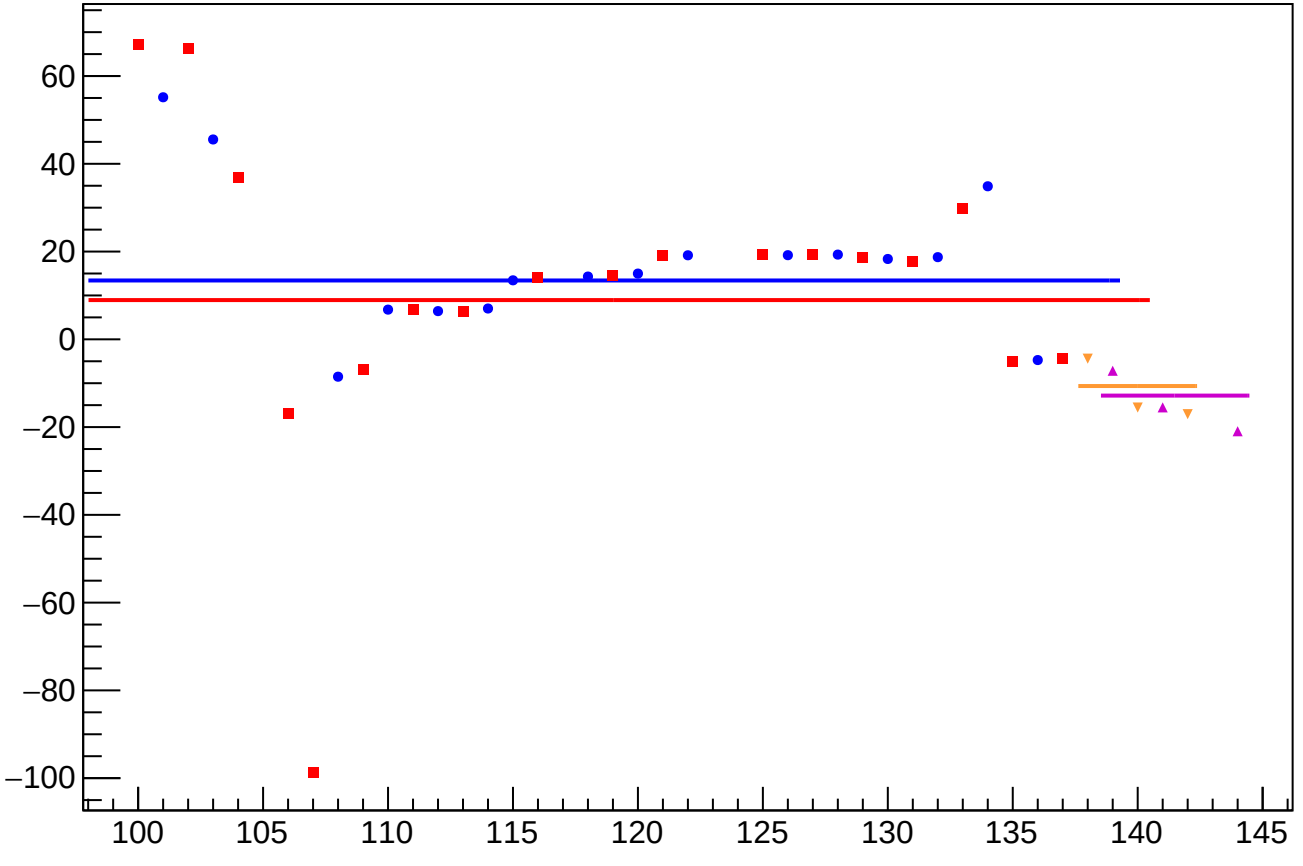
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -4.962+/-0.662 χ^2/NDF:453.3/18

Out: -7.089+/-0.677 χ^2/NDF:349.8/20

All: -6.002+/-0.473 χ^2/NDF: 808.2/39

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.644+/-0.052 χ^2/NDF:12366.0/2

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.824+/-0.047 χ^2/NDF:14857.3/2

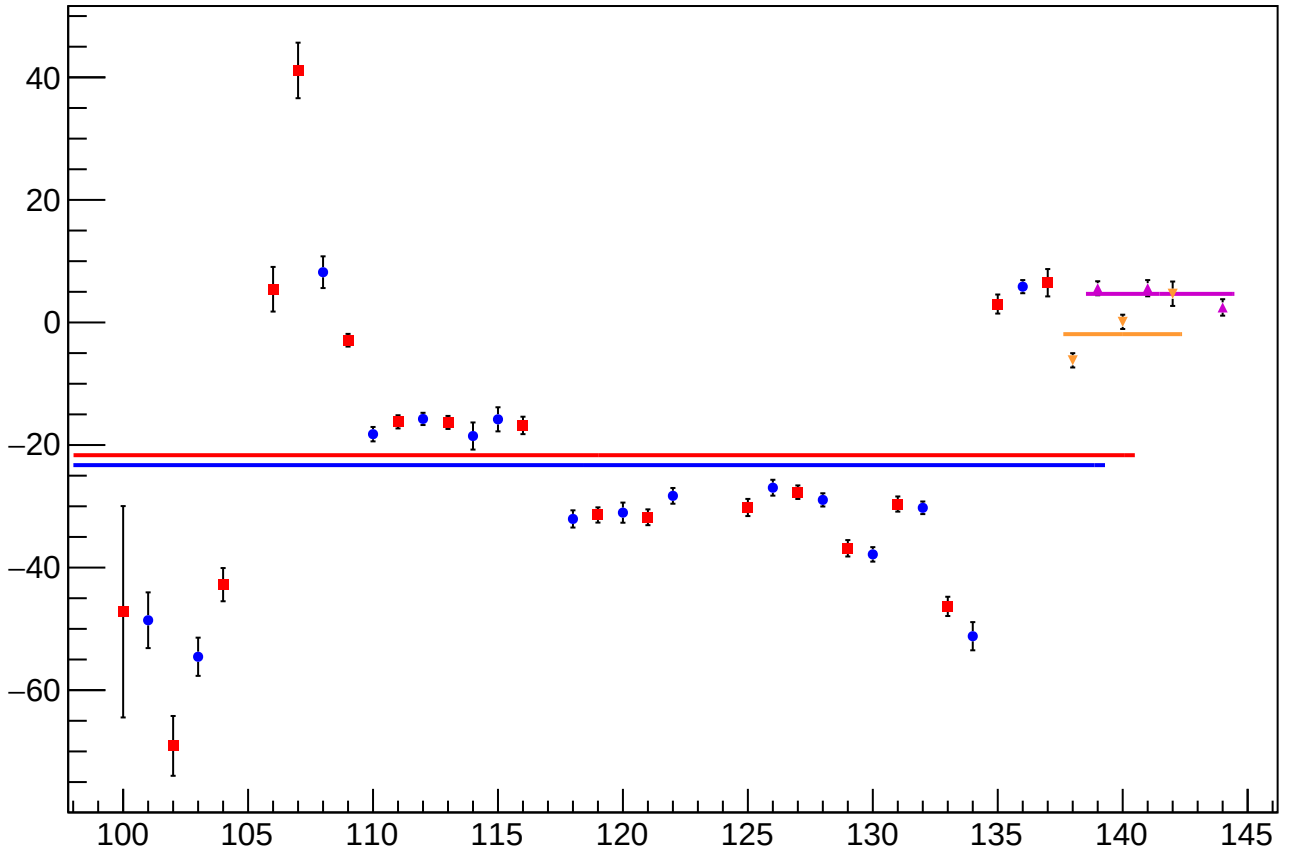
Left: -11.845+/-0.035 χ^2/NDF: 28188.0/5

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: 0.793+/-0.033 χ^2/NDF:360024.7/18

Out: 0.071+/-0.035 χ^2/NDF:380836.9/20

All: 0.458+/-0.024 χ^2/NDF: 741088.8/39



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.906+/-0.762 χ^2/NDF:27.3/2

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 4.667+/-0.727 χ^2/NDF:3.8/2

Left: 1.534+/-0.526 χ^2/NDF: 70.1/5

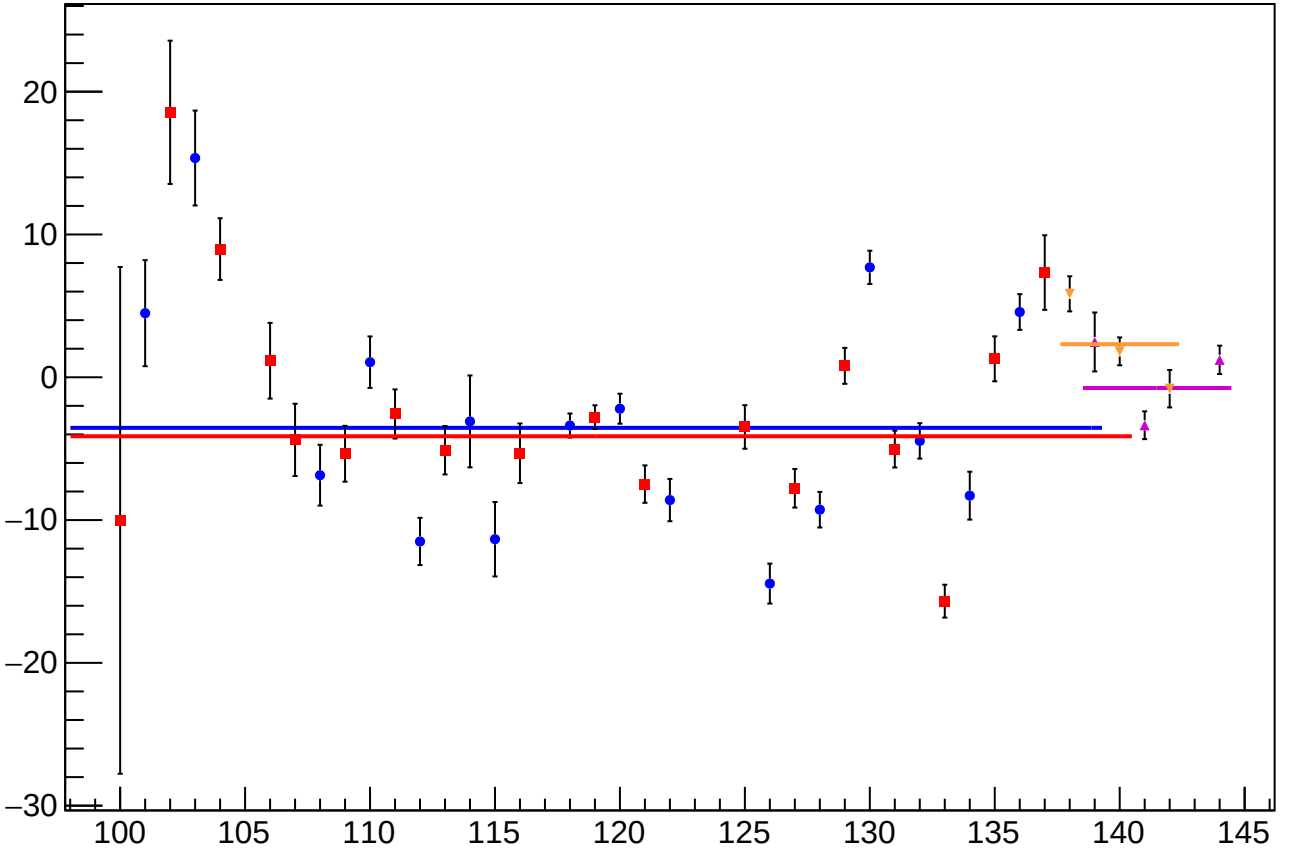
Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -18.016+/-0.316 χ^2/NDF:2770.1/18

Out: -18.263+/-0.316 χ^2/NDF:2397.2/20

All: -18.139+/-0.223 χ^2/NDF: 5167.6/39

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 2.317+/-0.661 χ^2/NDF:14.1/2

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.750+/-0.659 χ^2/NDF:13.6/2

Left: 0.779+/-0.466 χ^2/NDF: 38.5/5

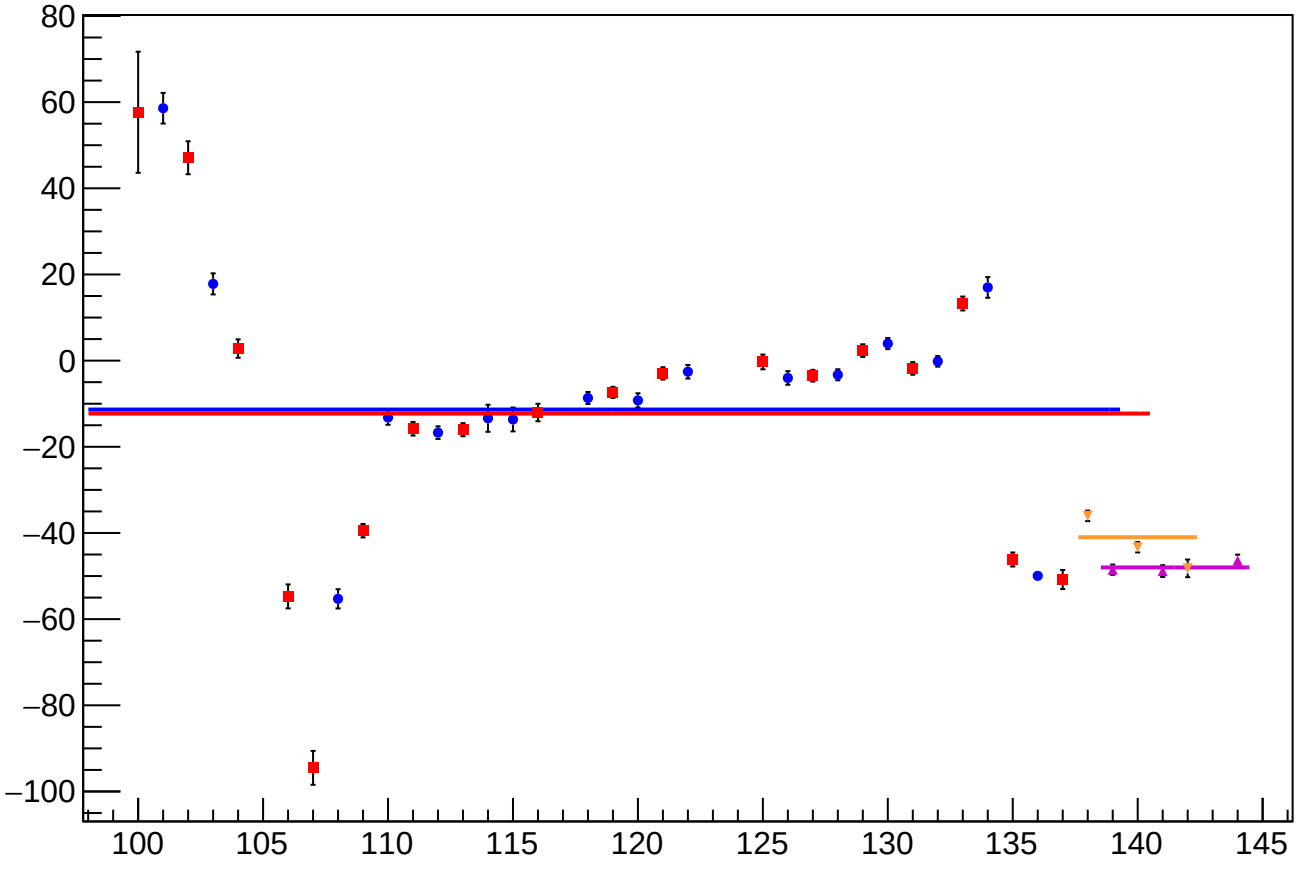
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.892+/-0.318 χ^2/NDF:344.1/18

Out: -2.588+/-0.323 χ^2/NDF:314.1/20

All: -2.742+/-0.227 χ^2/NDF: 658.6/39

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: -40.985+/-0.789 χ^2/NDF:32.7/2

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.001+/-0.752 χ^2/NDF:1.9/2

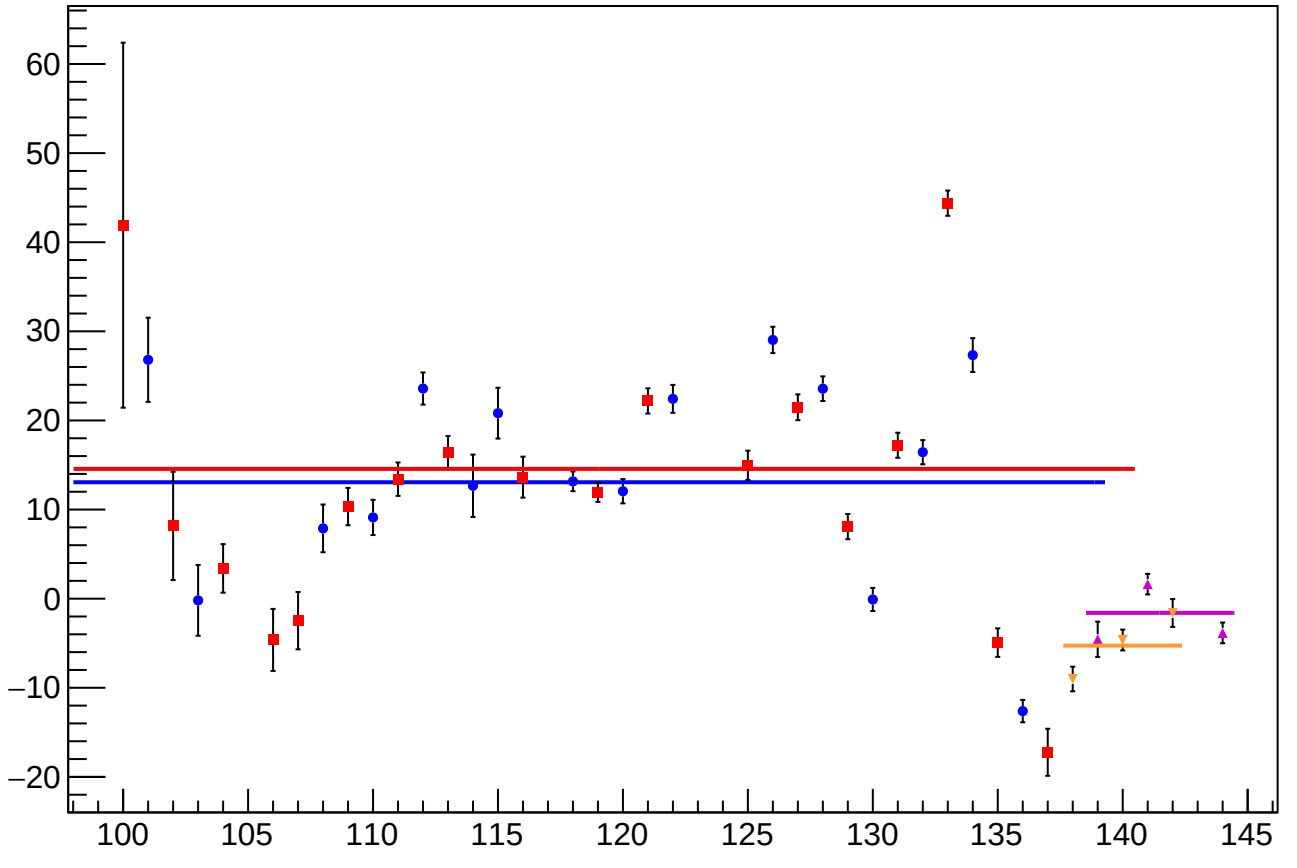
Left: -44.664+/-0.544 χ^2/NDF: 76.1/5

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -19.621+/-0.357 χ^2/NDF:4504.1/18

Out: -18.455+/-0.366 χ^2/NDF:3661.4/20

All: -19.053+/-0.256 χ^2/NDF: 8170.7/39



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -5.268+/-0.775 χ^2/NDF:13.1/2

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.594+/-0.757 χ^2/NDF:13.8/2

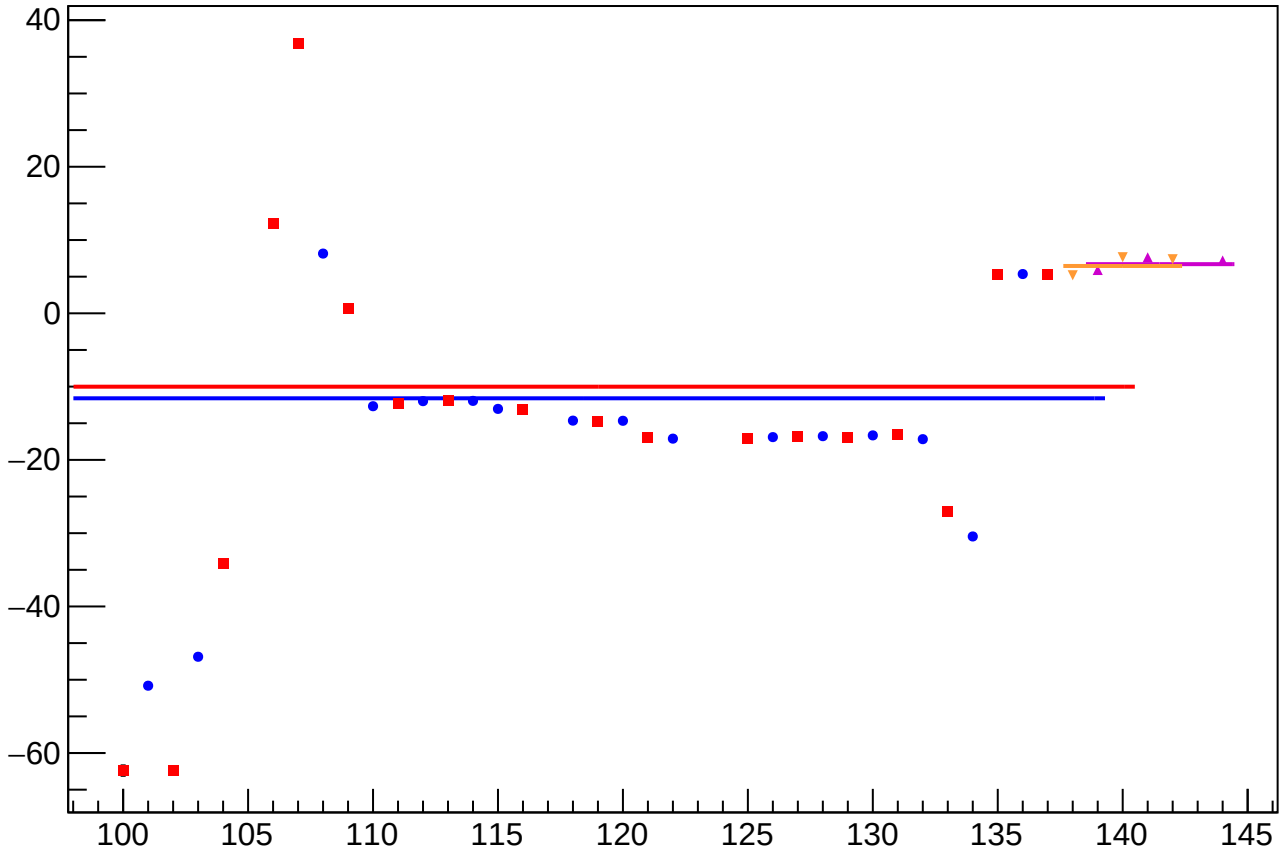
Left: -3.387+/-0.541 χ^2/NDF: 38.4/5

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 9.679+/-0.364 χ^2/NDF:1165.9/18

Out: 10.020+/-0.371 χ^2/NDF:1421.0/20

All: 9.846+/-0.260 χ^2/NDF: 2587.4/39



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.460+/-0.033 χ^2/NDF:1325.8/2

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.708+/-0.030 χ^2/NDF:699.3/2

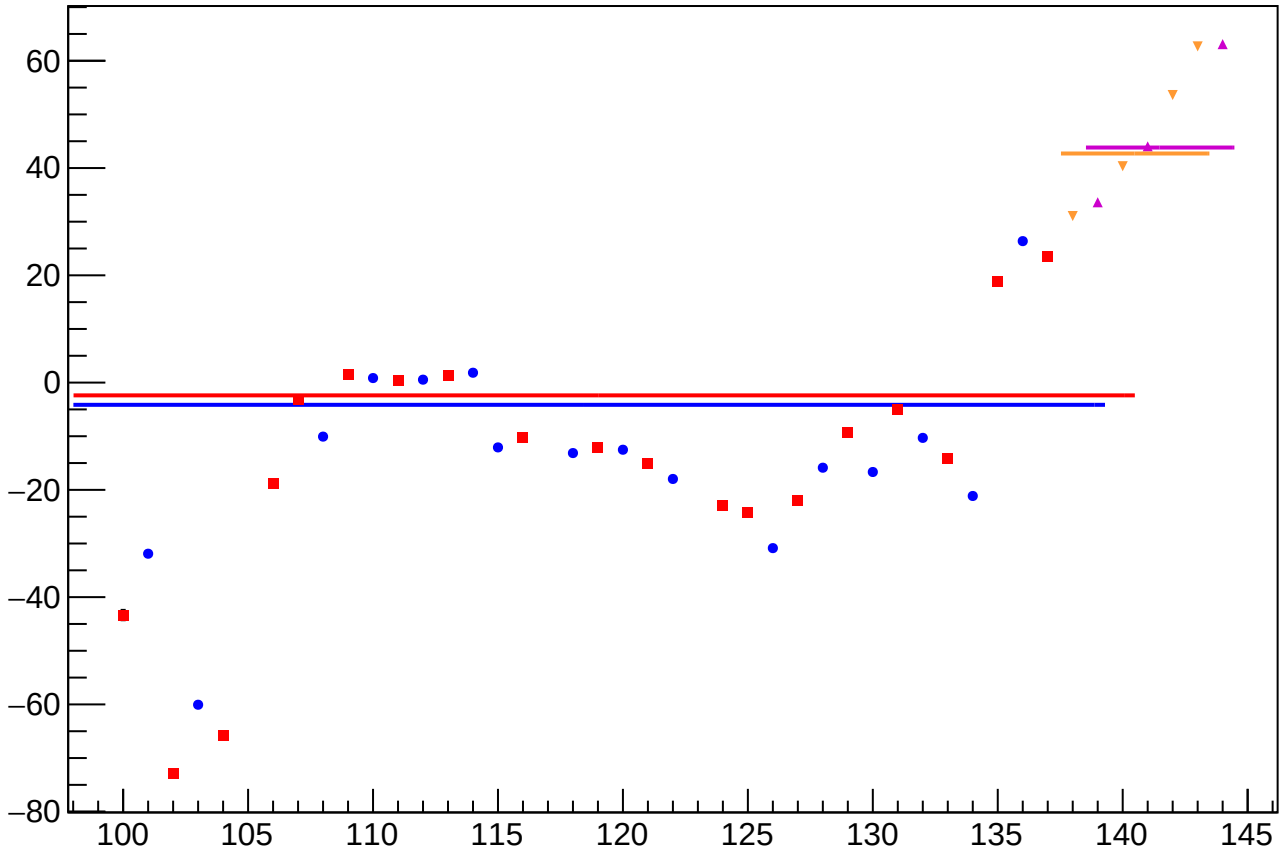
Left: 6.597+/-0.022 χ^2/NDF: 2056.7/5

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -3.520+/-0.020 χ^2/NDF:574767.7/18

Out: -3.219+/-0.021 χ^2/NDF:546155.6/20

All: -3.380+/-0.014 χ^2/NDF: 1121032.5/39



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 42.712+/-0.124 χ^2/NDF:9349.7/3

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 43.825+/-0.130 χ^2/NDF:7690.3/2

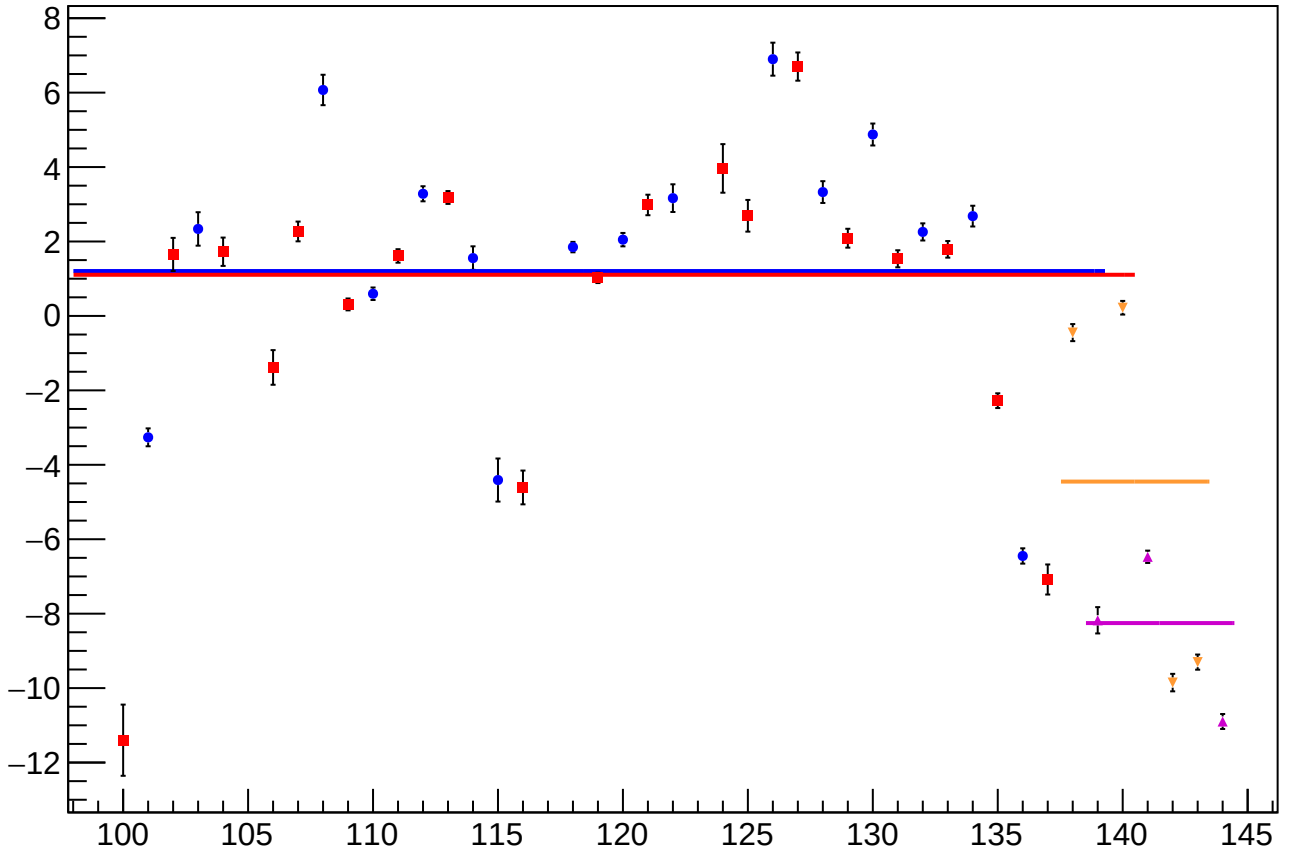
Left: 43.240+/-0.090 χ^2/NDF: 17078.4/6

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 3.052+/-0.050 χ^2/NDF:198417.8/18

Out: 3.129+/-0.043 χ^2/NDF:206862.7/22

All: 3.096+/-0.033 χ^2/NDF: 405281.8/41



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -4.451+/-0.105 χ^2/NDF:2050.3/3

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -8.253+/-0.120 χ^2/NDF:288.4/2

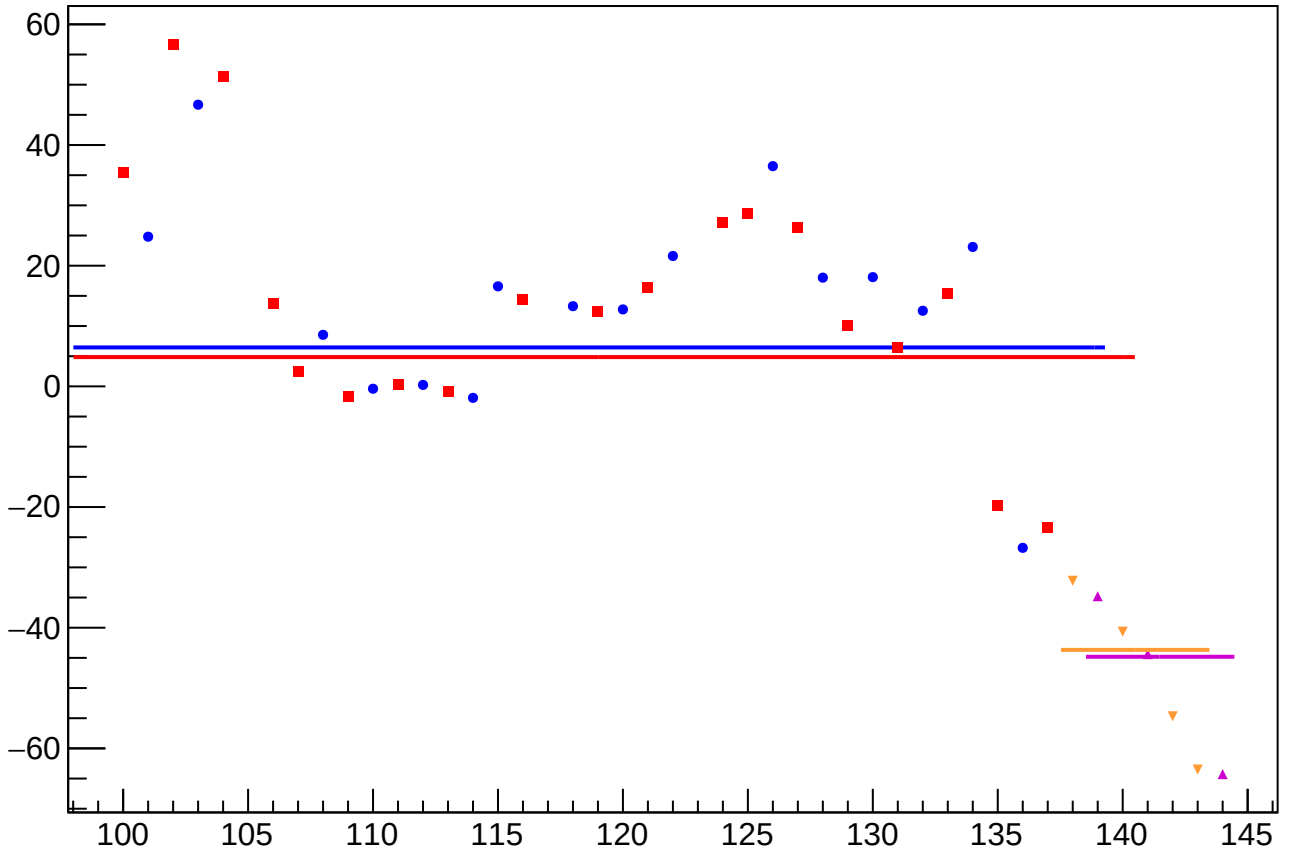
Left: -6.092+/-0.079 χ^2/NDF: 2906.5/6

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.700+/-0.054 χ^2/NDF:7810.1/18

Out: -0.170+/-0.050 χ^2/NDF:5802.9/22

All: -0.416+/-0.037 χ^2/NDF: 13664.7/41



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -43.674+/-0.128 χ^2/NDF:8648.6/3

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -44.817+/-0.135 χ^2/NDF:7206.8/2

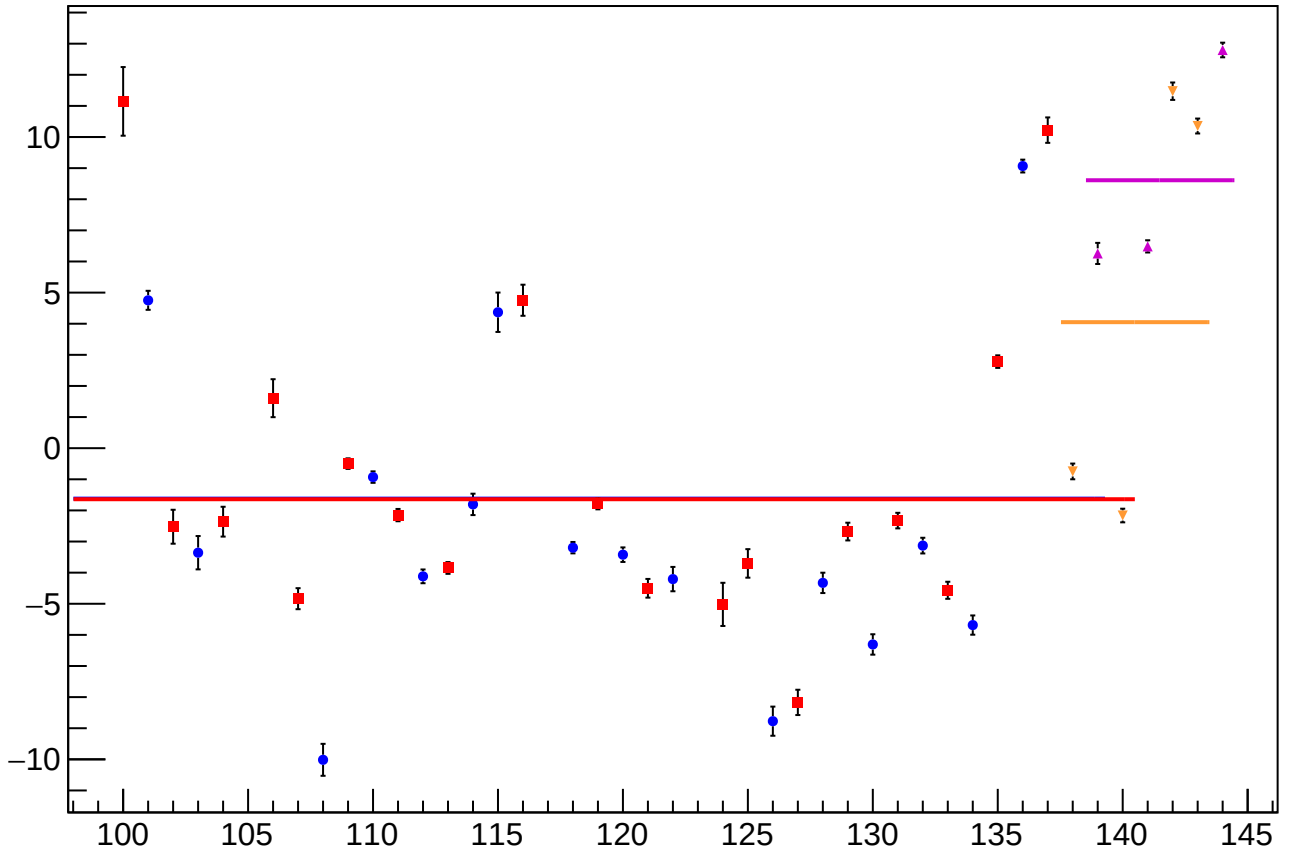
Left: -44.217+/-0.093 χ^2/NDF: 15893.3/6

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -3.303+/-0.059 χ^2/NDF:195496.6/18

Out: -3.691+/-0.054 χ^2/NDF:202412.6/22

All: -3.514+/-0.040 χ^2/NDF: 397932.9/41



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 4.050+/-0.122 χ^2/NDF:2559.3/3

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 8.611+/-0.138 χ^2/NDF:481.2/2

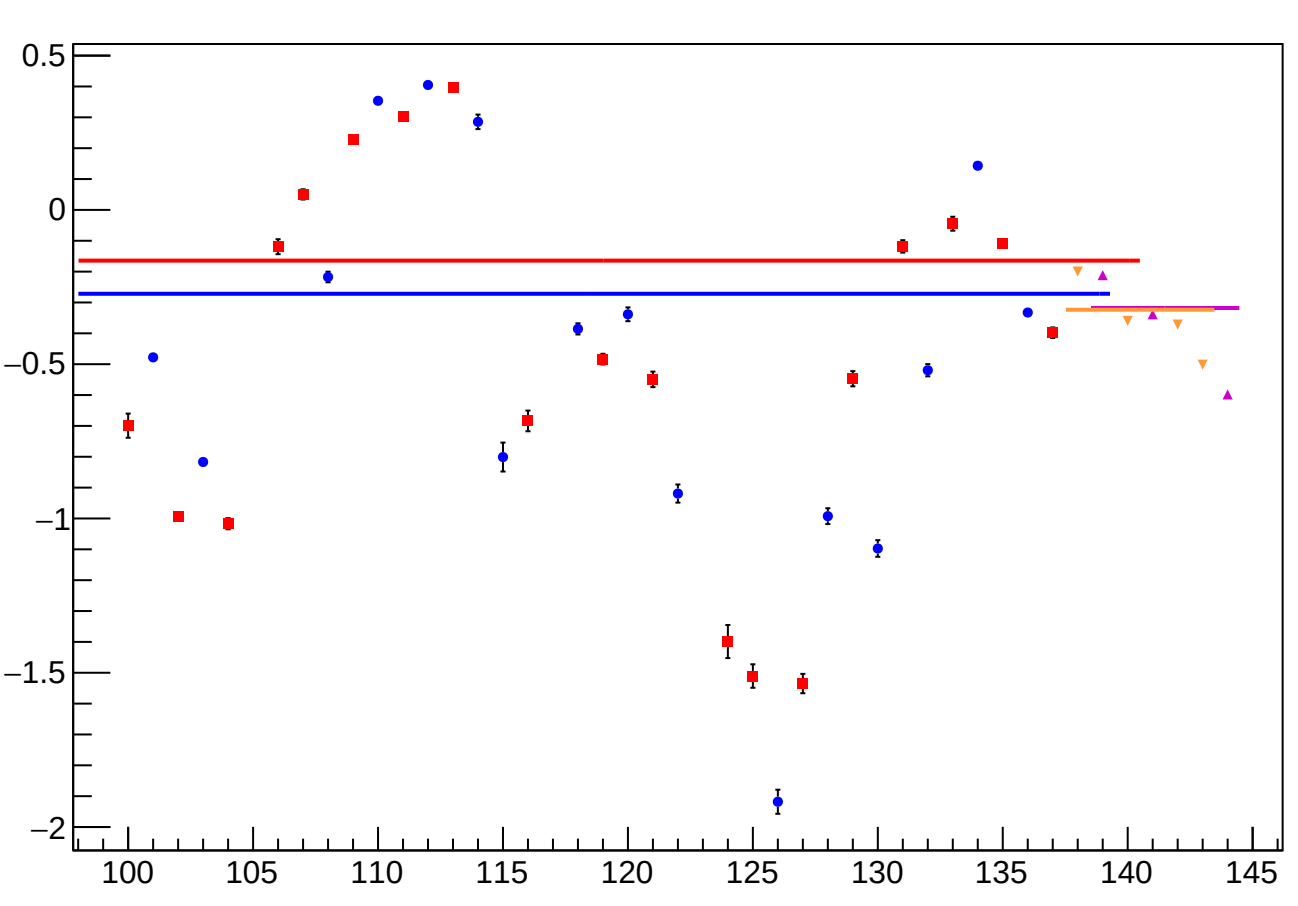
Left: 6.063+/-0.092 χ^2/NDF: 3652.3/6

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: 0.457+/-0.062 χ^2/NDF:9398.5/18

Out: -0.403+/-0.057 χ^2/NDF:6710.3/22

All: -0.009+/-0.042 χ^2/NDF: 16212.7/41



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.324+/-0.005 χ^2/NDF:478.3/3

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.318+/-0.005 χ^2/NDF:714.7/2

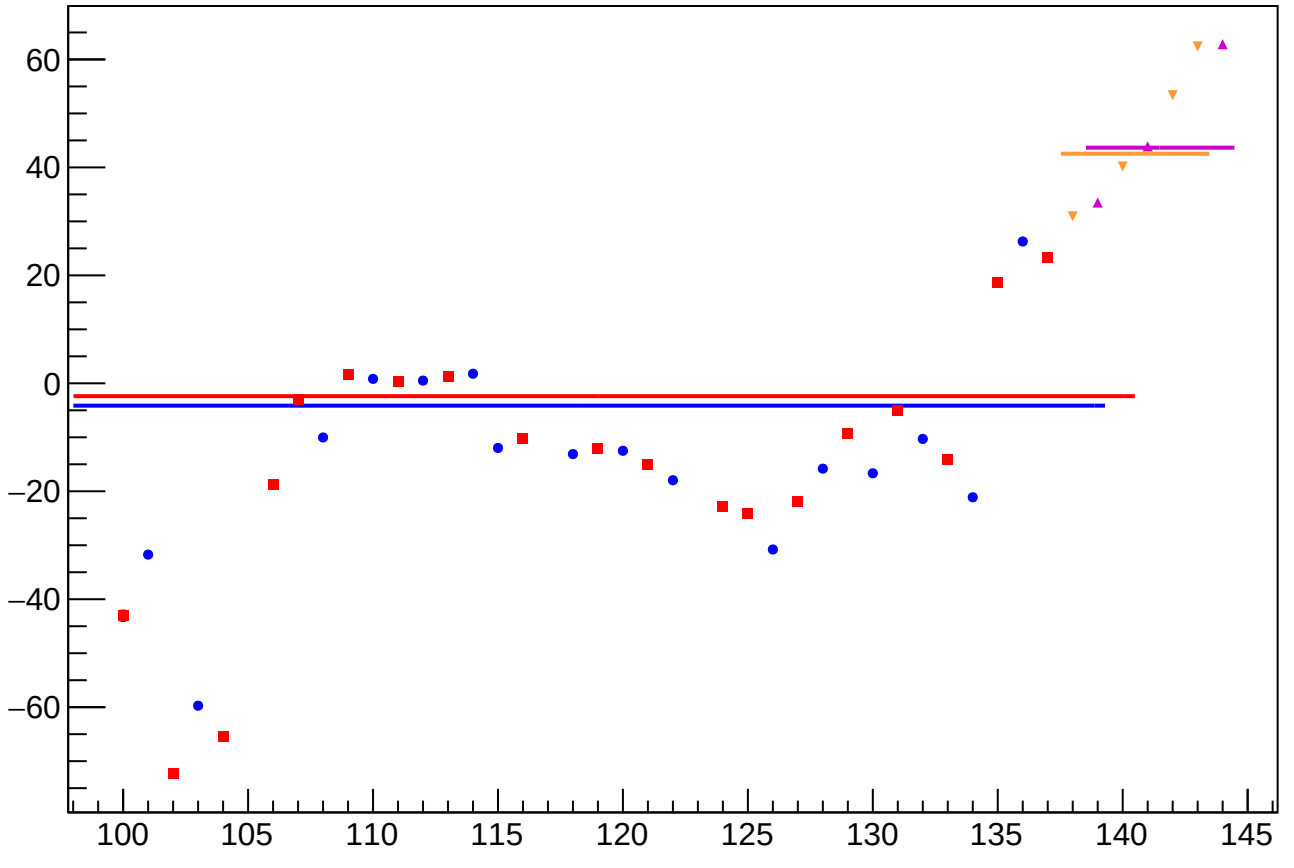
Left: -0.321+/-0.004 χ^2/NDF: 1193.7/6

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.290+/-0.003 χ^2/NDF:12810.6/18

Out: -0.220+/-0.003 χ^2/NDF:16585.4/22

All: -0.253+/-0.002 χ^2/NDF: 29640.7/41



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 42.539+/-0.123 χ^2/NDF:9315.1/3

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 43.659+/-0.130 χ^2/NDF:7666.0/2

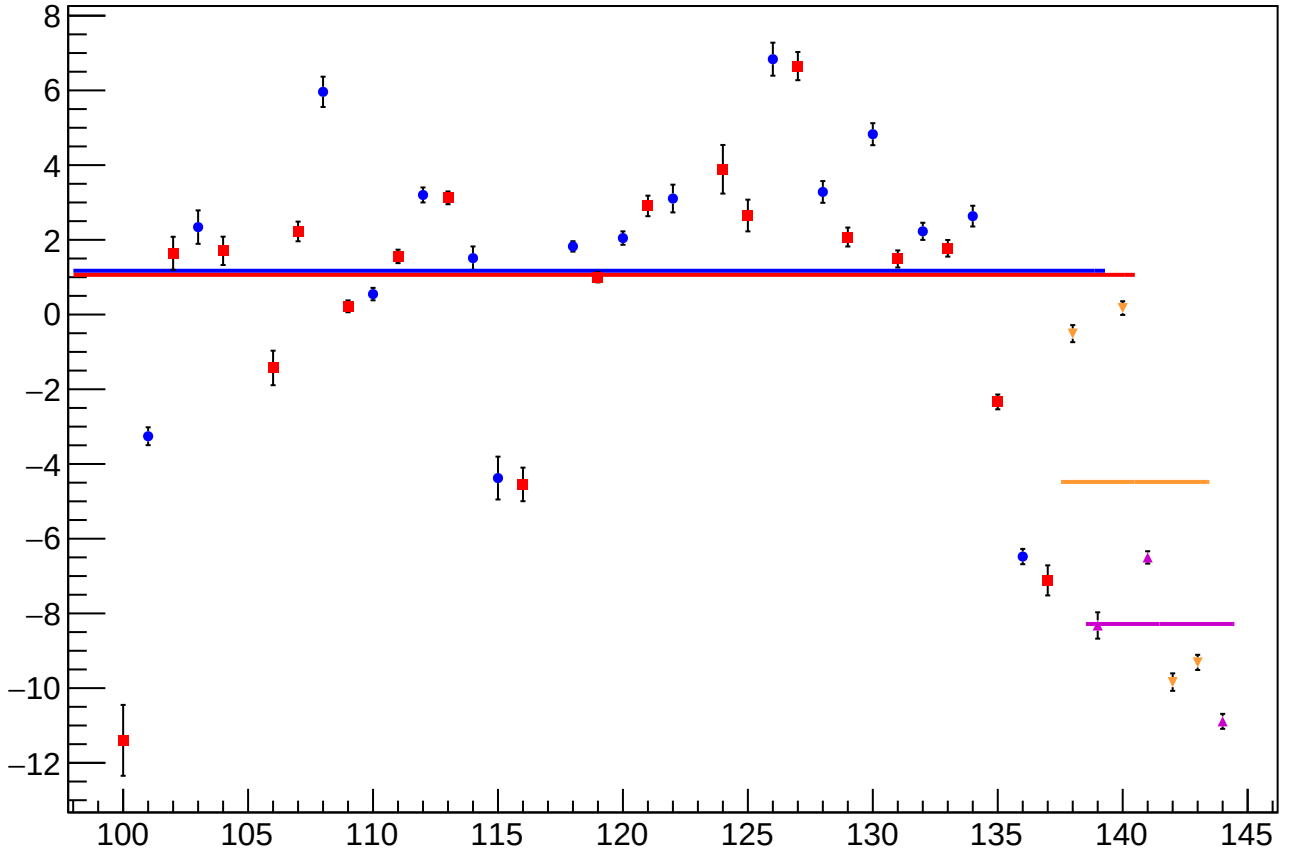
Left: 43.070+/-0.089 χ^2/NDF: 17020.3/6

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.994+/-0.050 χ^2/NDF:198353.7/18

Out: 3.079+/-0.043 χ^2/NDF:206679.5/22

All: 3.043+/-0.033 χ^2/NDF: 405034.8/41



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -4.480+/-0.104 χ^2/NDF:2040.8/3

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -8.283+/-0.120 χ^2/NDF:285.3/2

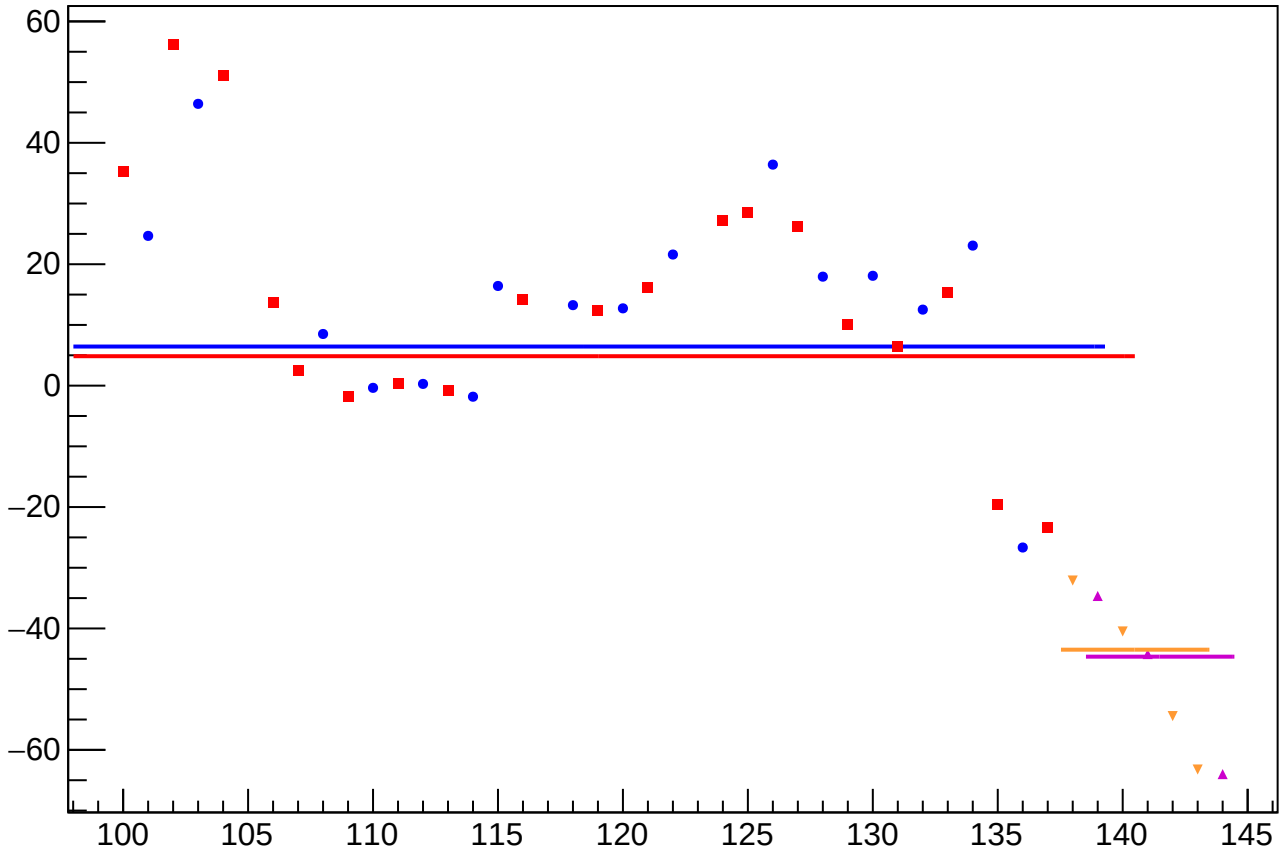
Left: -6.121+/-0.079 χ^2/NDF: 2897.7/6

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.727+/-0.054 χ^2/NDF:7837.8/18

Out: -0.207+/-0.050 χ^2/NDF:5808.0/22

All: -0.448+/-0.037 χ^2/NDF: 13696.0/41



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -43.496+/-0.128 χ^2/NDF:8616.4/3

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -44.646+/-0.134 χ^2/NDF:7184.4/2

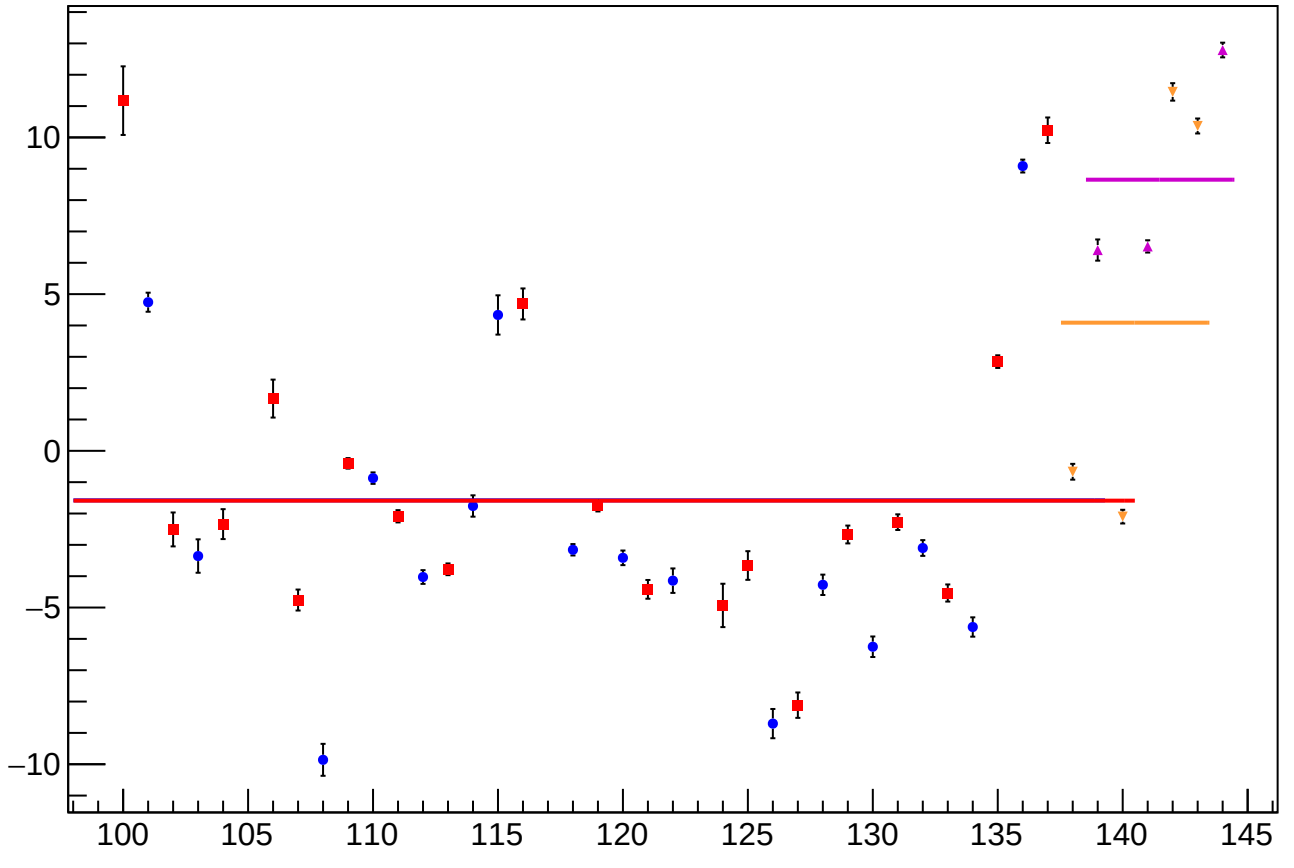
Left: -44.042+/-0.092 χ^2/NDF: 15839.4/6

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -3.240+/-0.058 χ^2/NDF:195424.7/18

Out: -3.630+/-0.053 χ^2/NDF:202237.1/22

All: -3.452+/-0.039 χ^2/NDF: 397686.0/41



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 4.089+/-0.122 χ^2/NDF:2546.4/3

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 8.652+/-0.137 χ^2/NDF:473.0/2

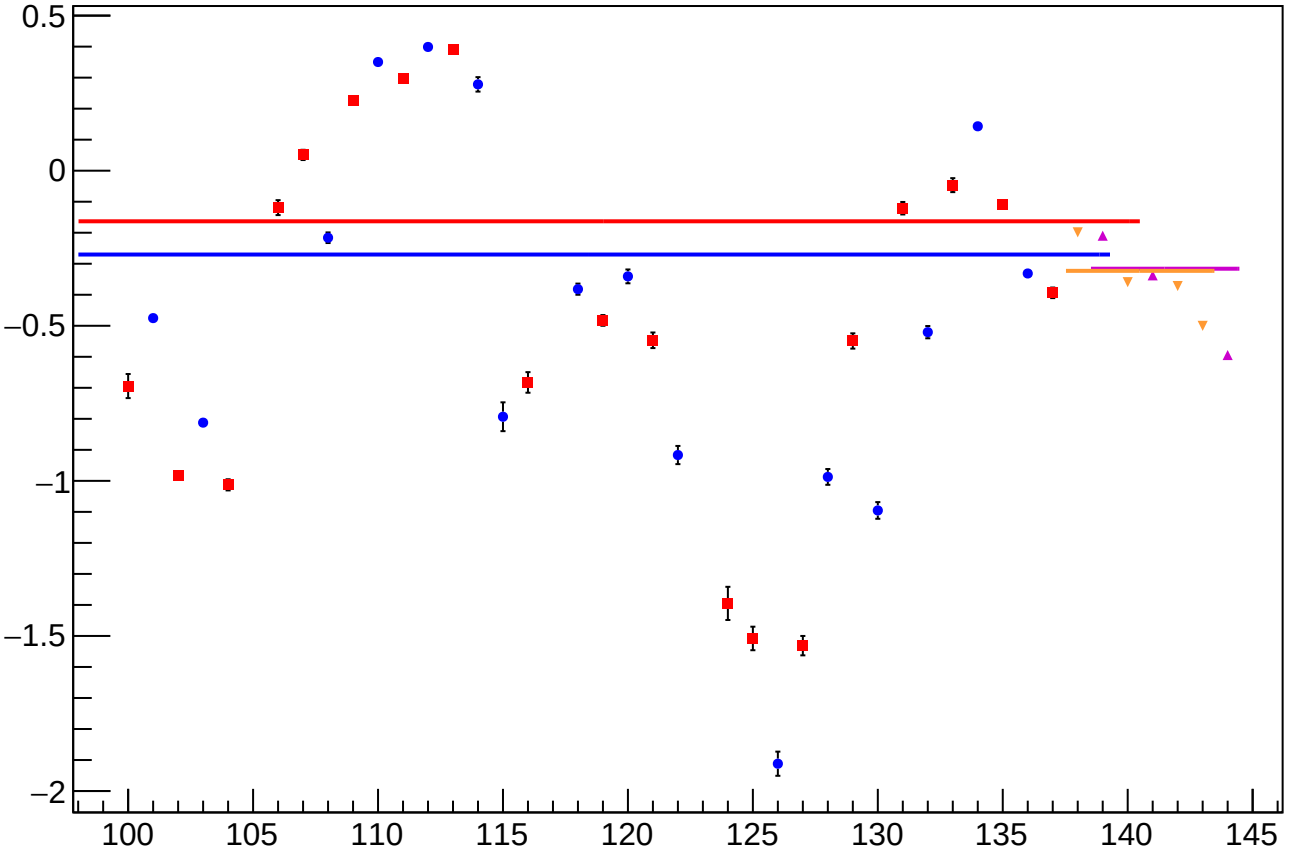
Left: 6.102+/-0.091 χ^2/NDF: 3635.4/6

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: 0.491+/-0.062 χ^2/NDF:9419.4/18

Out: -0.358+/-0.057 χ^2/NDF:6712.8/22

All: 0.031+/-0.042 χ^2/NDF: 16234.4/41



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.323+/-0.005 χ^2/NDF:481.4/3

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.316+/-0.005 χ^2/NDF:713.1/2

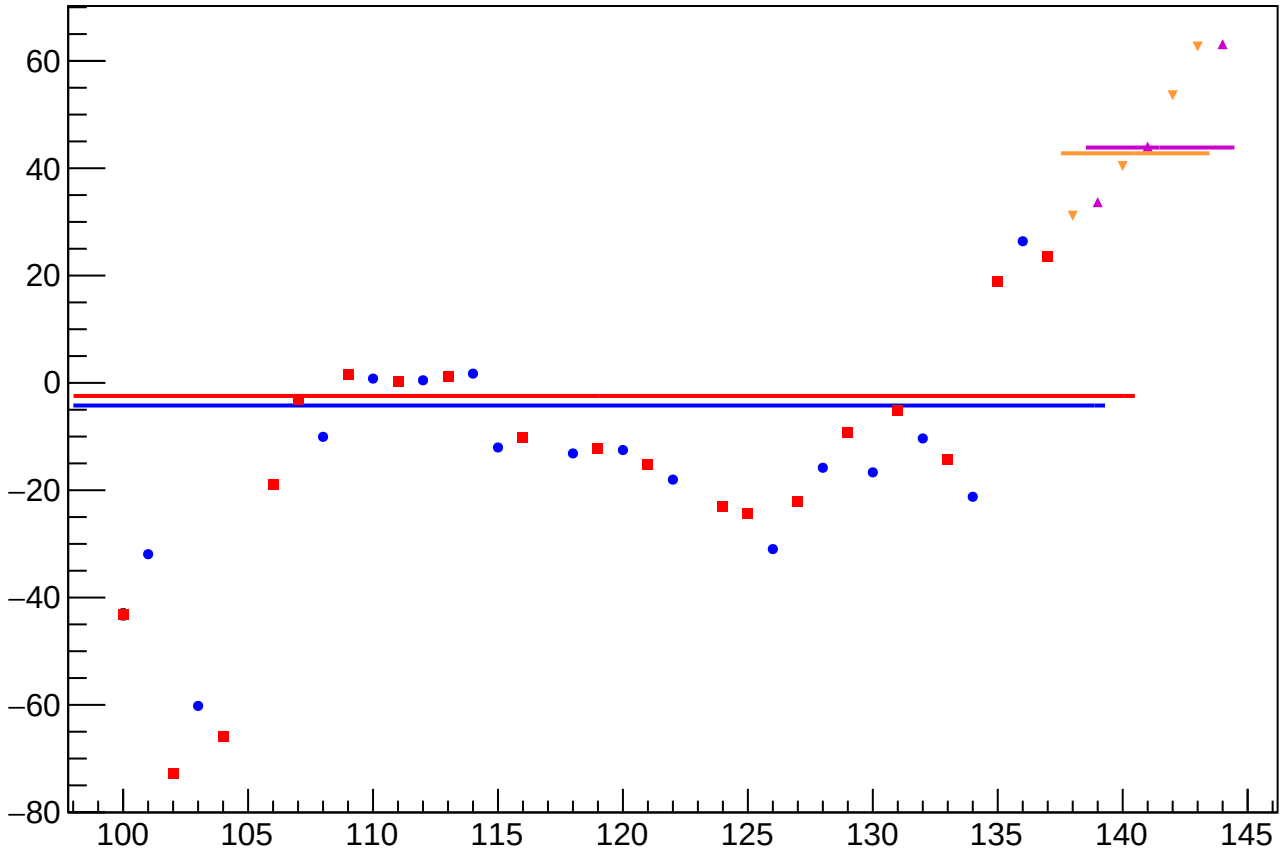
Left: -0.319+/-0.004 χ^2/NDF: 1195.3/6

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.288+/-0.003 χ^2/NDF:12796.6/18

Out: -0.218+/-0.003 χ^2/NDF:16610.0/22

All: -0.251+/-0.002 χ^2/NDF: 29649.8/41



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 42.781+/-0.124 χ^2/NDF:9267.2/3

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 43.860+/-0.130 χ^2/NDF:7647.7/2

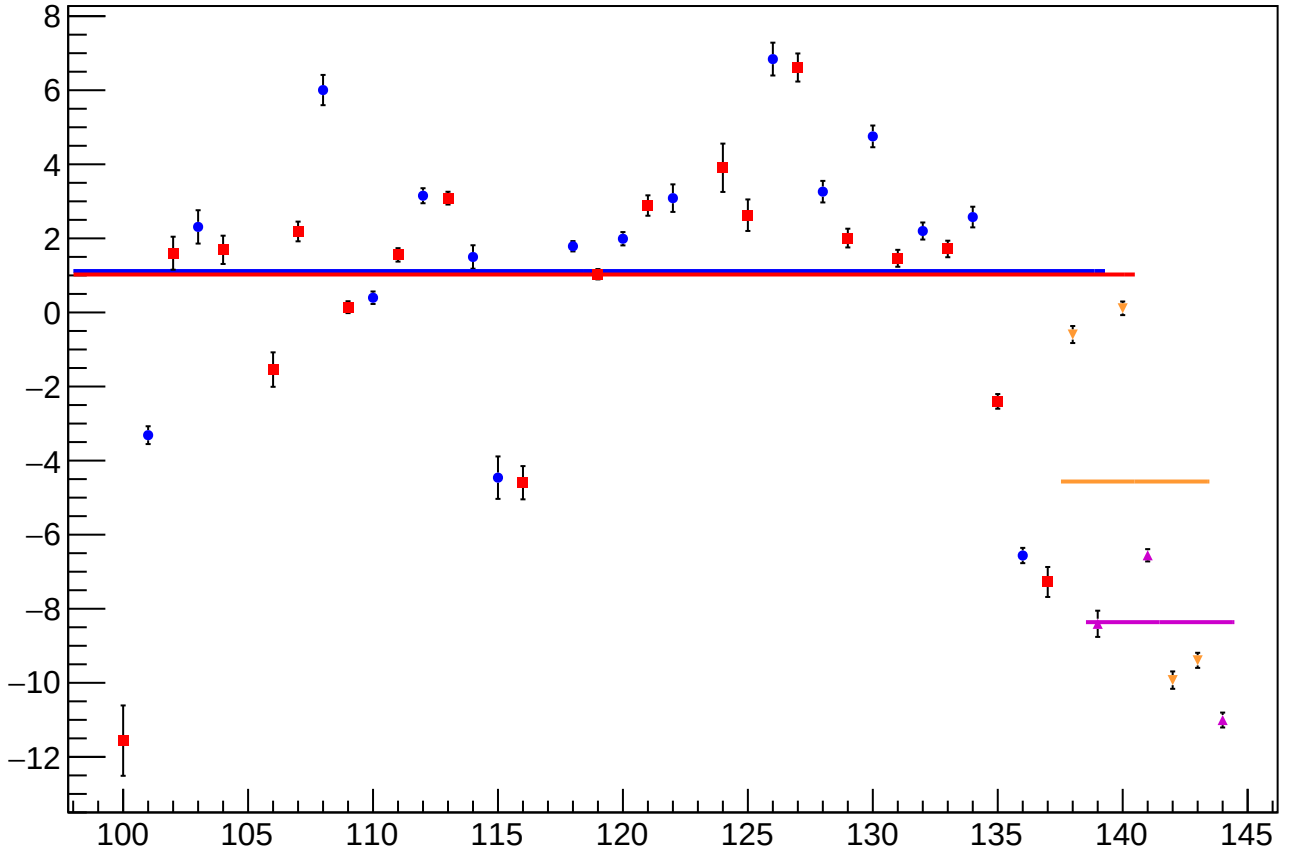
Left: 43.293+/-0.090 χ^2/NDF: 16951.0/6

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.988+/-0.050 χ^2/NDF:198551.0/18

Out: 3.094+/-0.043 χ^2/NDF:207040.2/22

All: 3.049+/-0.033 χ^2/NDF: 405593.7/41



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -4.565+/-0.105 χ^2/NDF:2030.3/3

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -8.362+/-0.120 χ^2/NDF:290.7/2

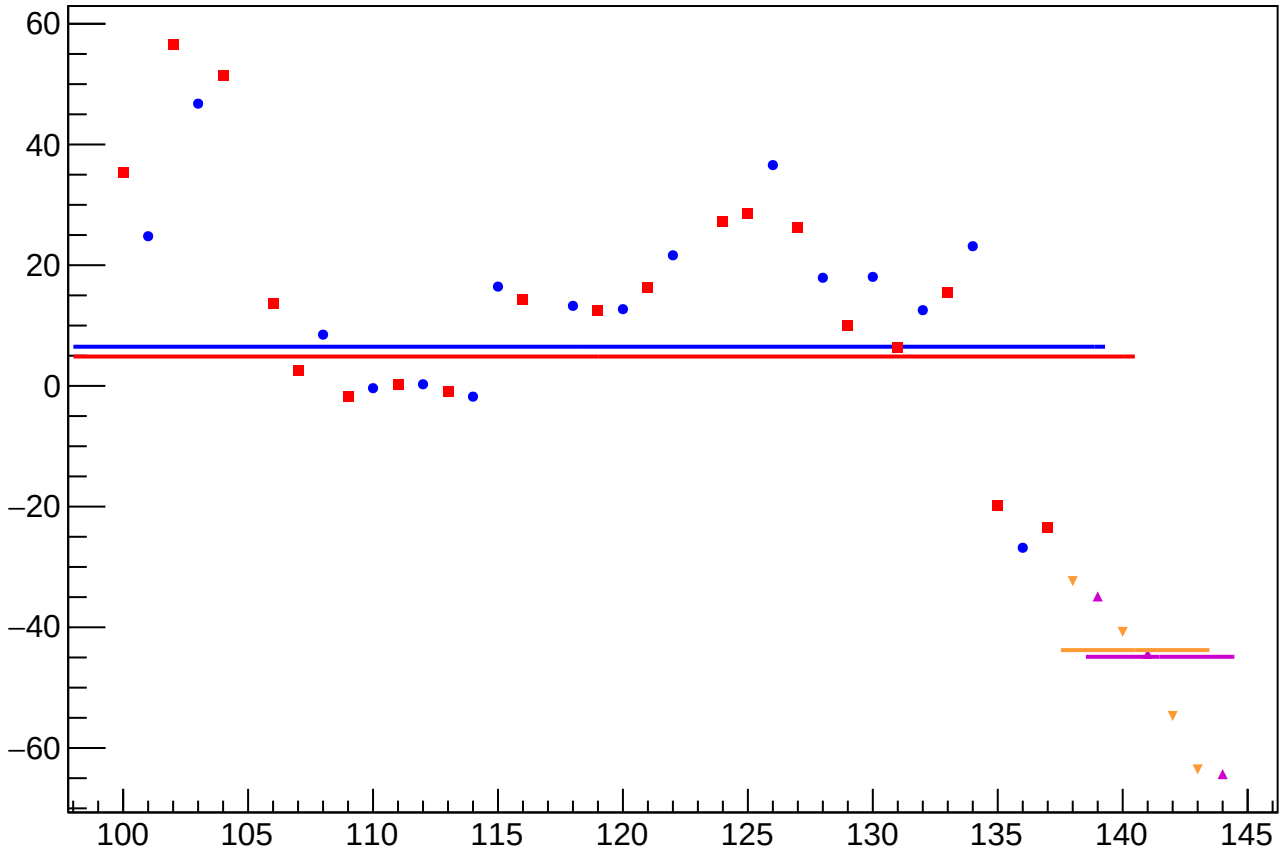
Left: -6.203+/-0.079 χ^2/NDF: 2886.1/6

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.788+/-0.054 χ^2/NDF:7833.4/18

Out: -0.258+/-0.050 χ^2/NDF:5829.2/22

All: -0.504+/-0.037 χ^2/NDF: 13714.3/41



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -43.780+/-0.128 χ^2/NDF:8573.8/3

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -44.890+/-0.135 χ^2/NDF:7167.5/2

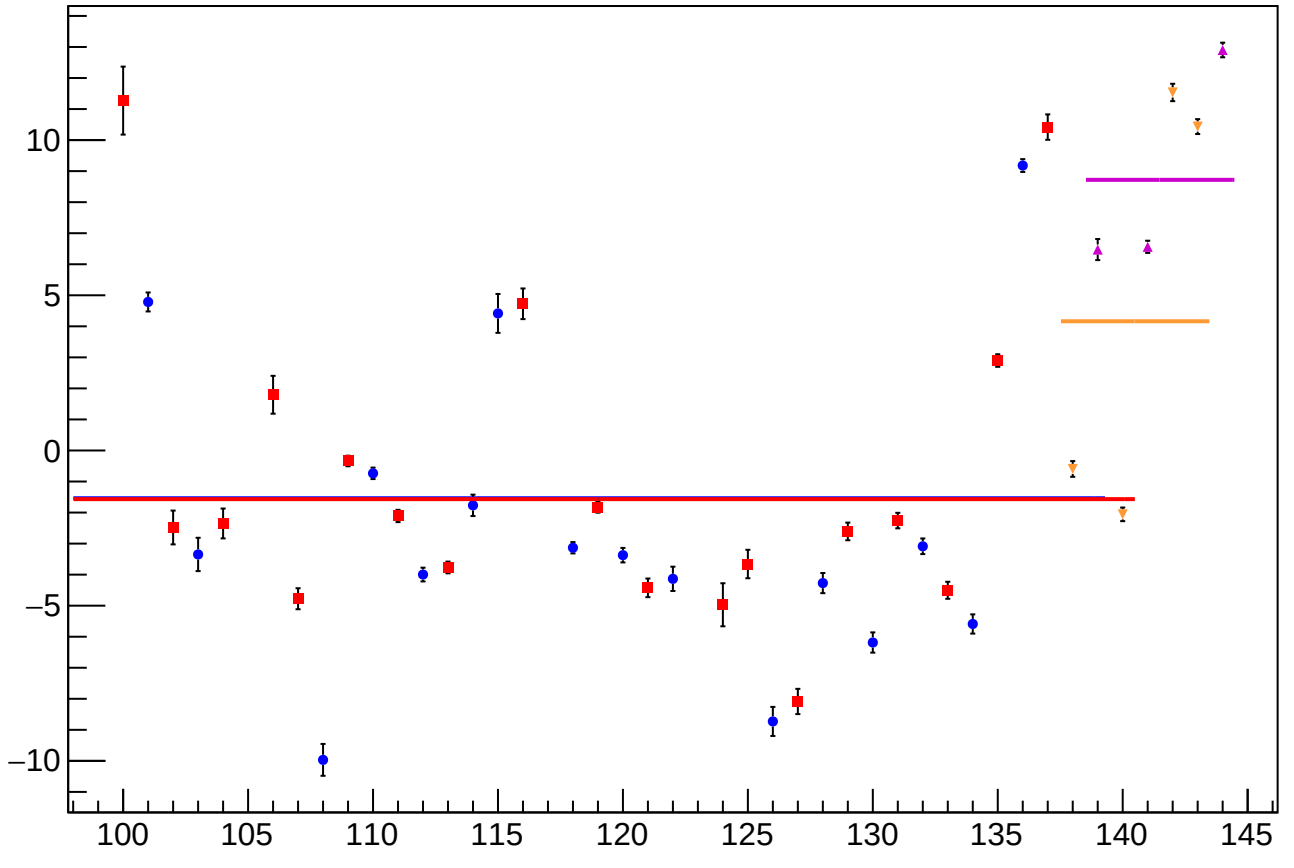
Left: -44.307+/-0.093 χ^2/NDF: 15776.9/6

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -3.267+/-0.059 χ^2/NDF:195660.4/18

Out: -3.688+/-0.054 χ^2/NDF:202630.2/22

All: -3.496+/-0.040 χ^2/NDF: 398318.5/41



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 4.163+/-0.123 χ^2/NDF:2534.1/3

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 8.720+/-0.138 χ^2/NDF:479.0/2

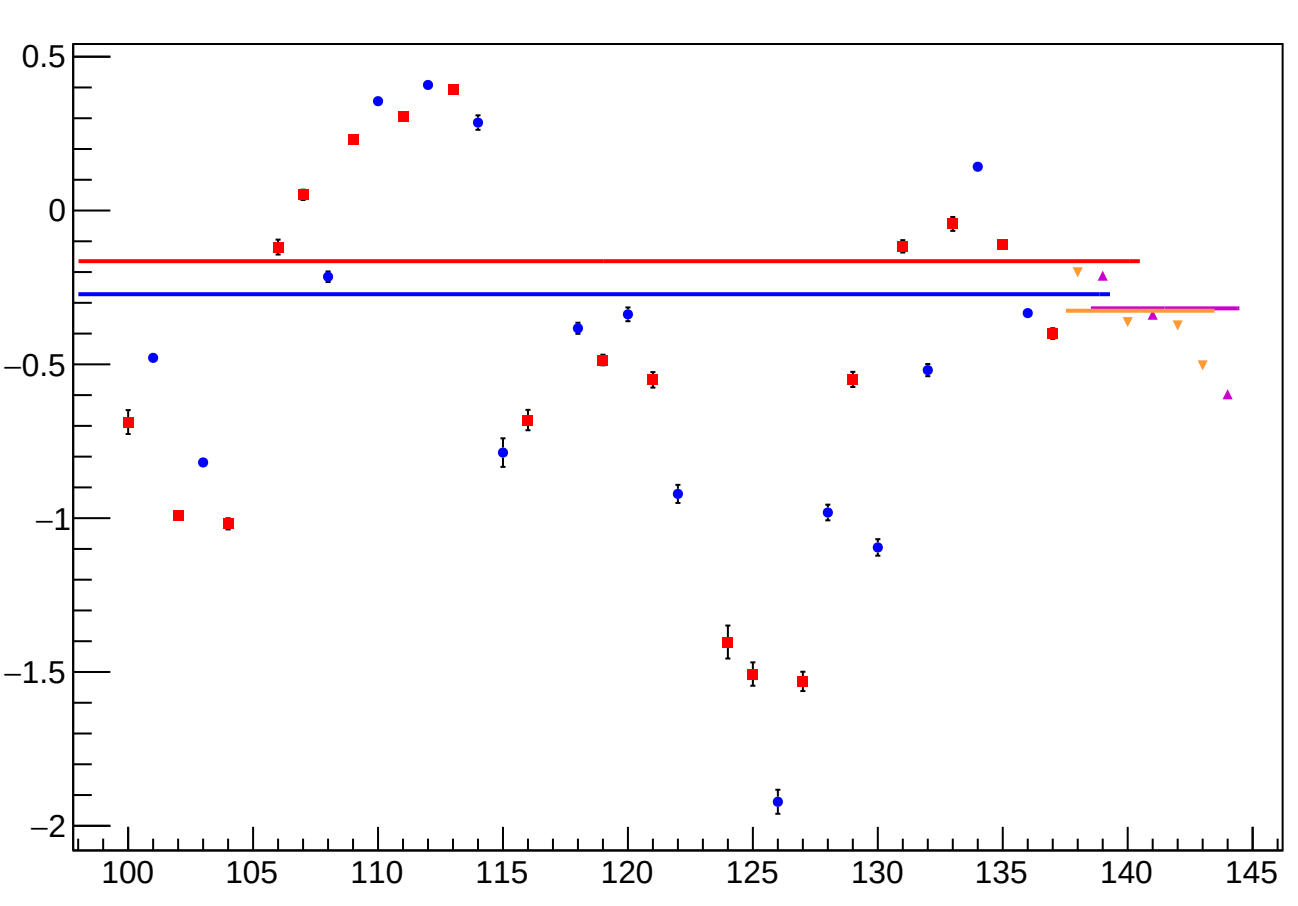
Left: 6.174+/-0.092 χ^2/NDF: 3622.5/6

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.540+/-0.062 χ^2/NDF:9422.6/18

Out: -0.323+/-0.057 χ^2/NDF:6740.6/22

All: 0.073+/-0.042 χ^2/NDF: 16267.5/41



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.326+/-0.005 χ^2/NDF:480.7/3

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.318+/-0.005 χ^2/NDF:708.9/2

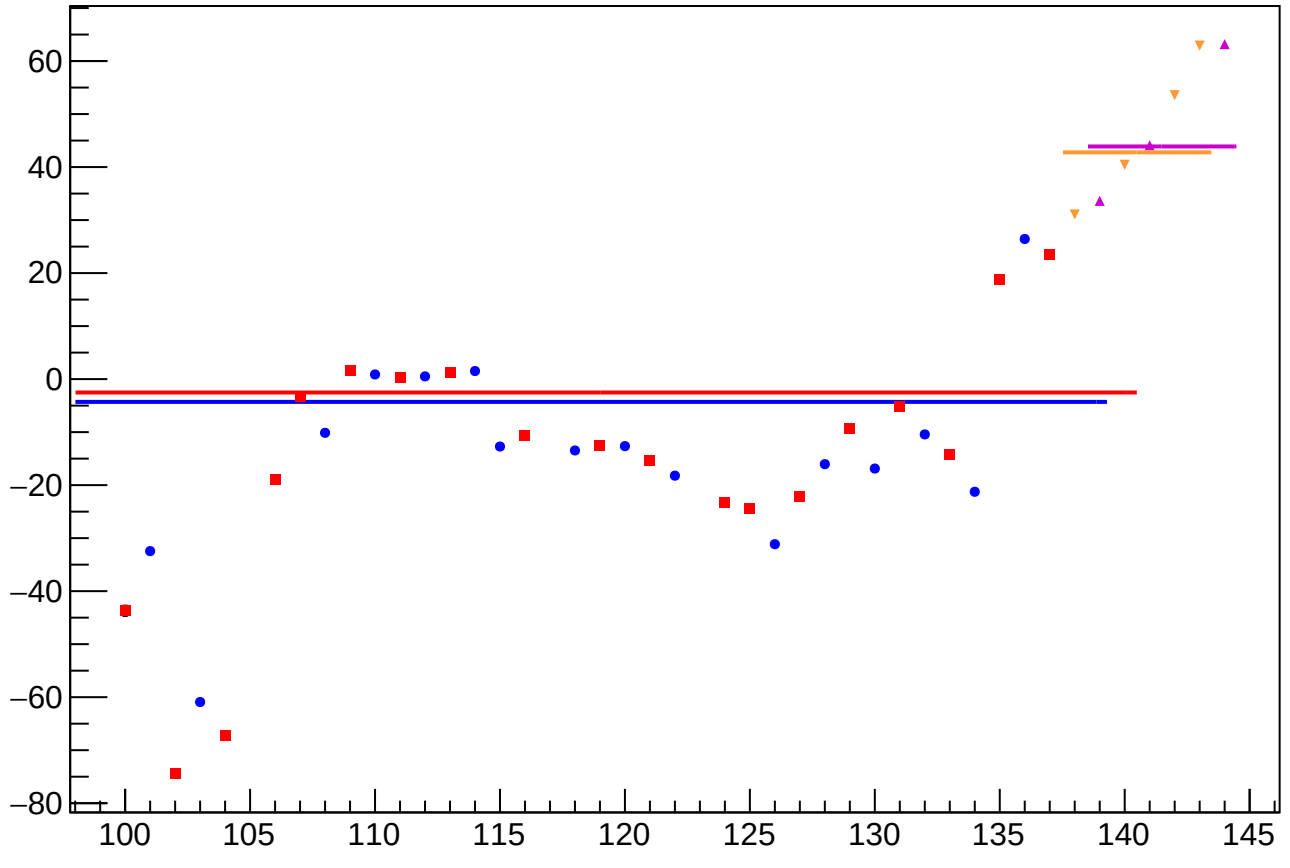
Left: -0.322+/-0.004 χ^2/NDF: 1190.6/6

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.290+/-0.003 χ^2/NDF:12819.7/18

Out: -0.221+/-0.003 χ^2/NDF:16593.2/22

All: -0.253+/-0.002 χ^2/NDF: 29652.4/41



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 42.777+/-0.125 χ^2/NDF:9245.0/3

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 43.888+/-0.132 χ^2/NDF:7574.9/2

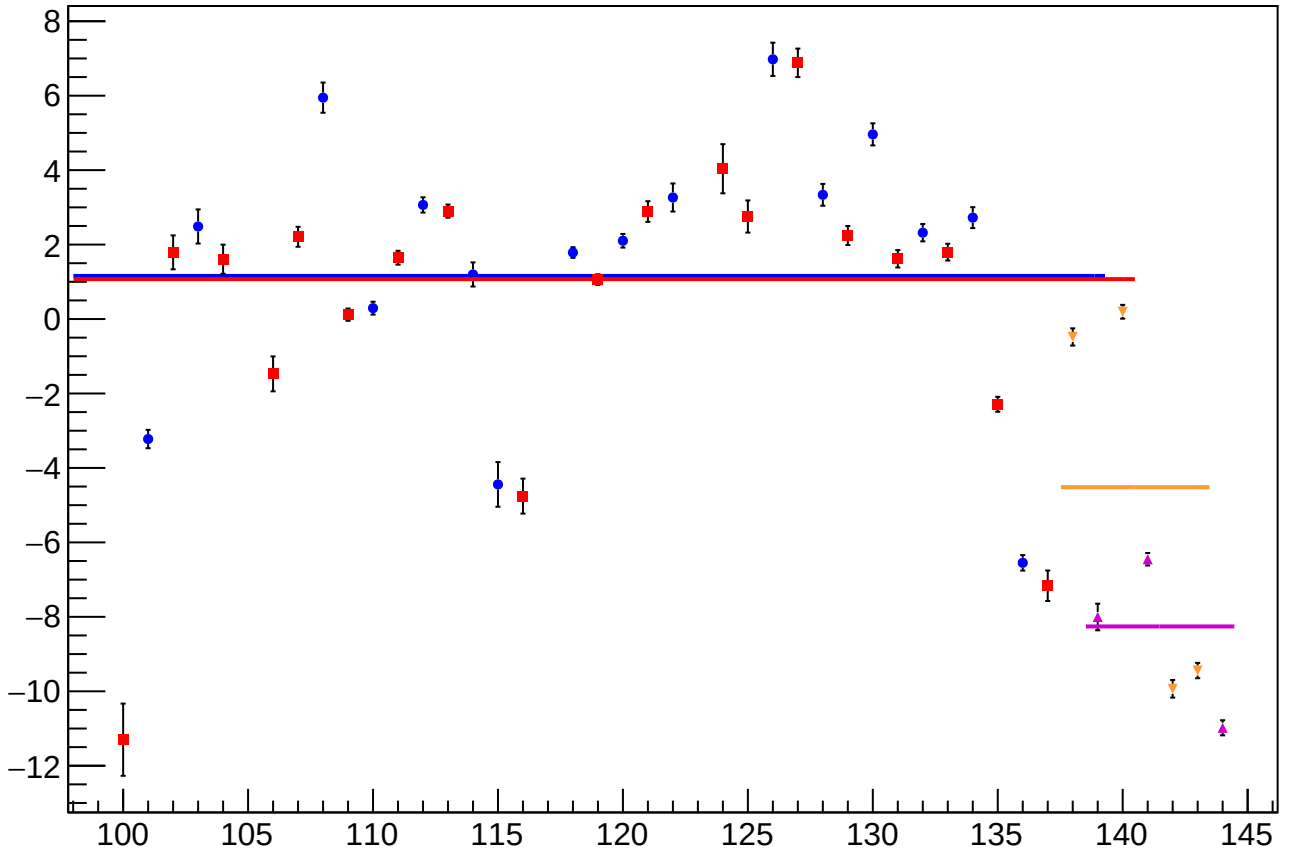
Left: 43.303+/-0.091 χ^2/NDF: 16857.3/6

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 3.026+/-0.051 χ^2/NDF:195361.4/18

Out: 3.138+/-0.044 χ^2/NDF:204132.9/22

All: 3.090+/-0.033 χ^2/NDF: 399497.0/41



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -4.518+/-0.106 χ^2/NDF:2044.2/3

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -8.258+/-0.122 χ^2/NDF:295.7/2

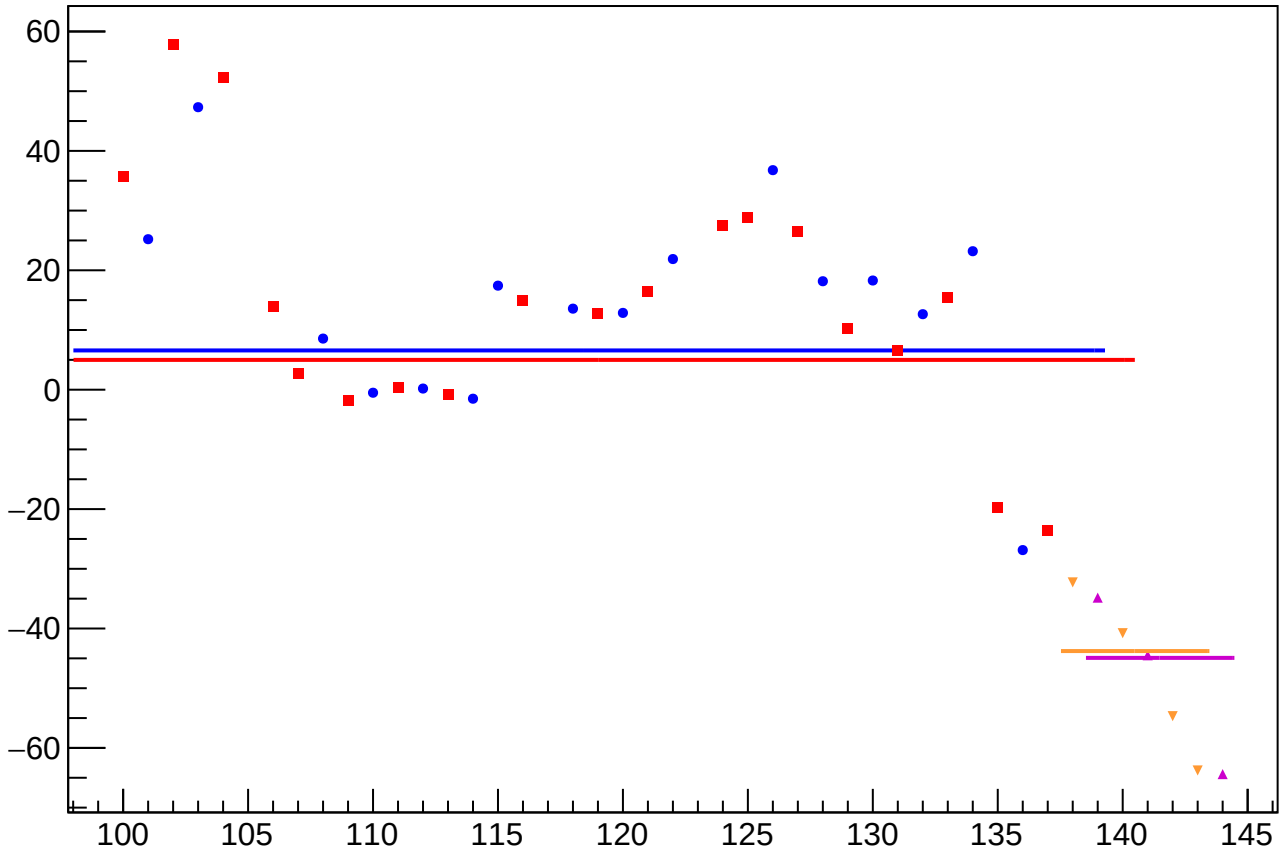
Left: -6.130+/-0.080 χ^2/NDF: 2877.5/6

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.758+/-0.055 χ^2/NDF:7613.8/18

Out: -0.229+/-0.051 χ^2/NDF:5732.4/22

All: -0.475+/-0.037 χ^2/NDF: 13396.0/41



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -43.778+/-0.129 χ^2/NDF:8545.8/3

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -44.920+/-0.136 χ^2/NDF:7093.7/2

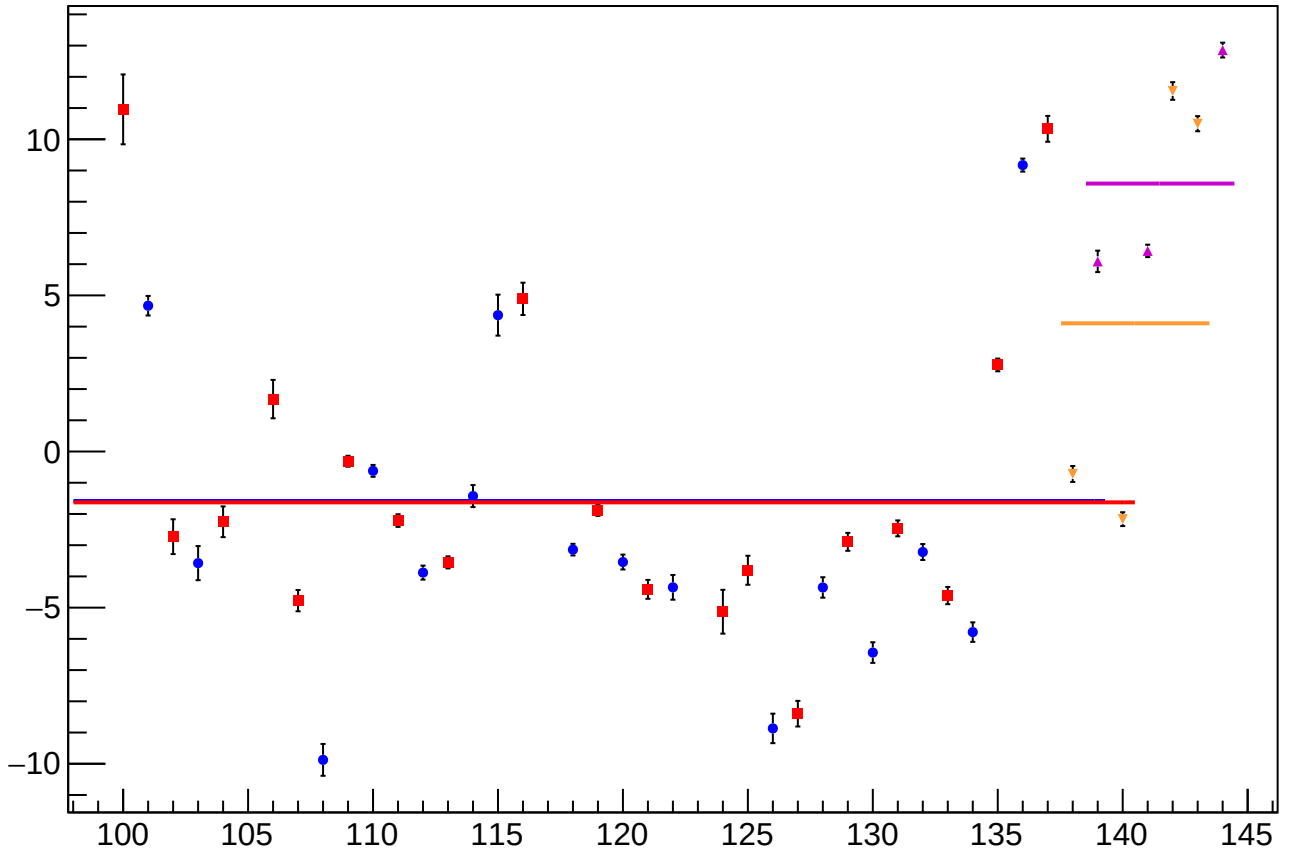
Left: -44.320+/-0.094 χ^2/NDF: 15676.5/6

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -3.323+/-0.060 χ^2/NDF:192485.7/18

Out: -3.746+/-0.055 χ^2/NDF:199741.6/22

All: -3.552+/-0.040 χ^2/NDF: 392254.6/41



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 4.106+/-0.124 χ^2/NDF:2547.4/3

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 8.581+/-0.139 χ^2/NDF:493.2/2

Left: 6.078+/-0.093 χ^2/NDF: 3616.6/6

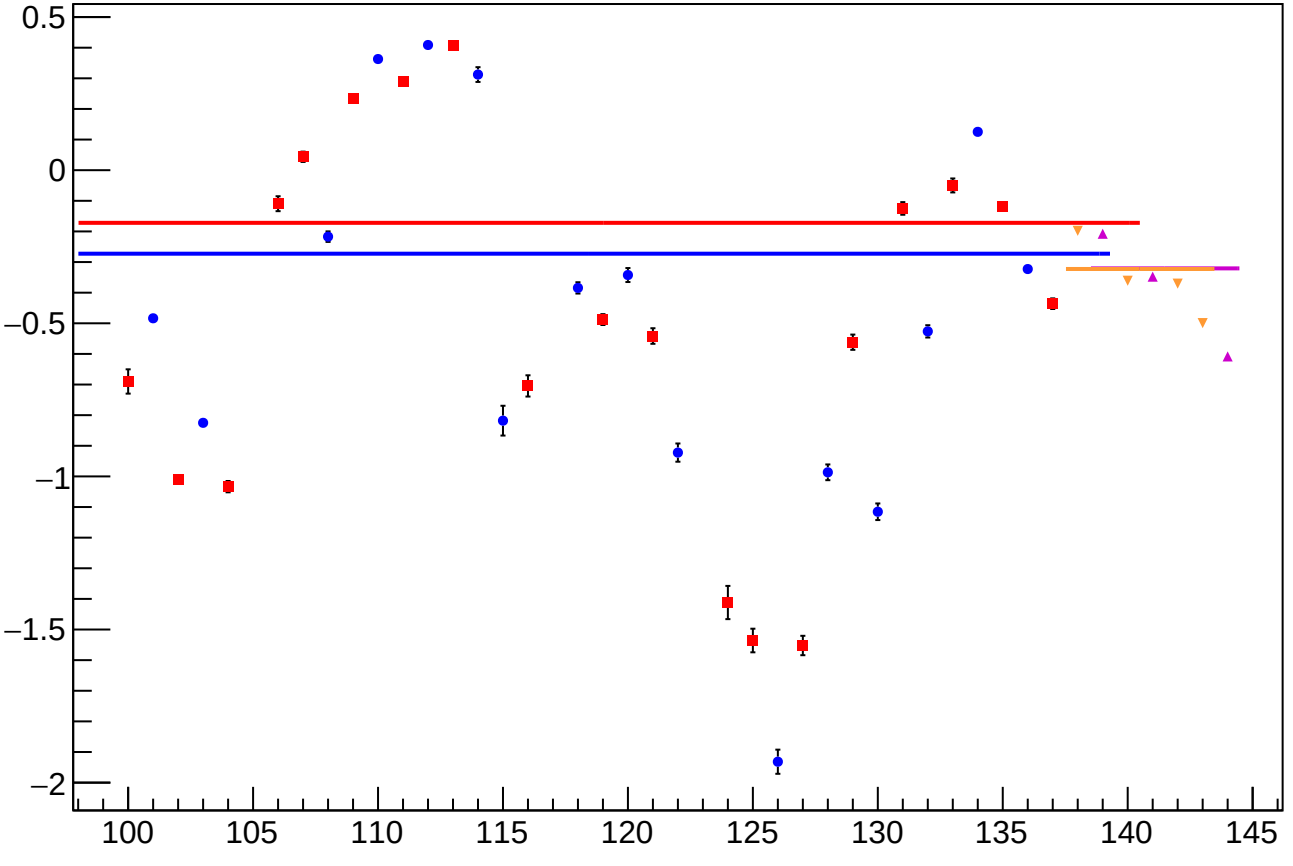
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: 0.498+/-0.063 χ^2/NDF:9192.4/18

Out: -0.363+/-0.058 χ^2/NDF:6642.4/22

All: 0.032+/-0.043 χ^2/NDF: 15935.7/41

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: -0.323+/-0.005 χ^2/NDF:469.3/3

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.321+/-0.005 χ^2/NDF:756.4/2

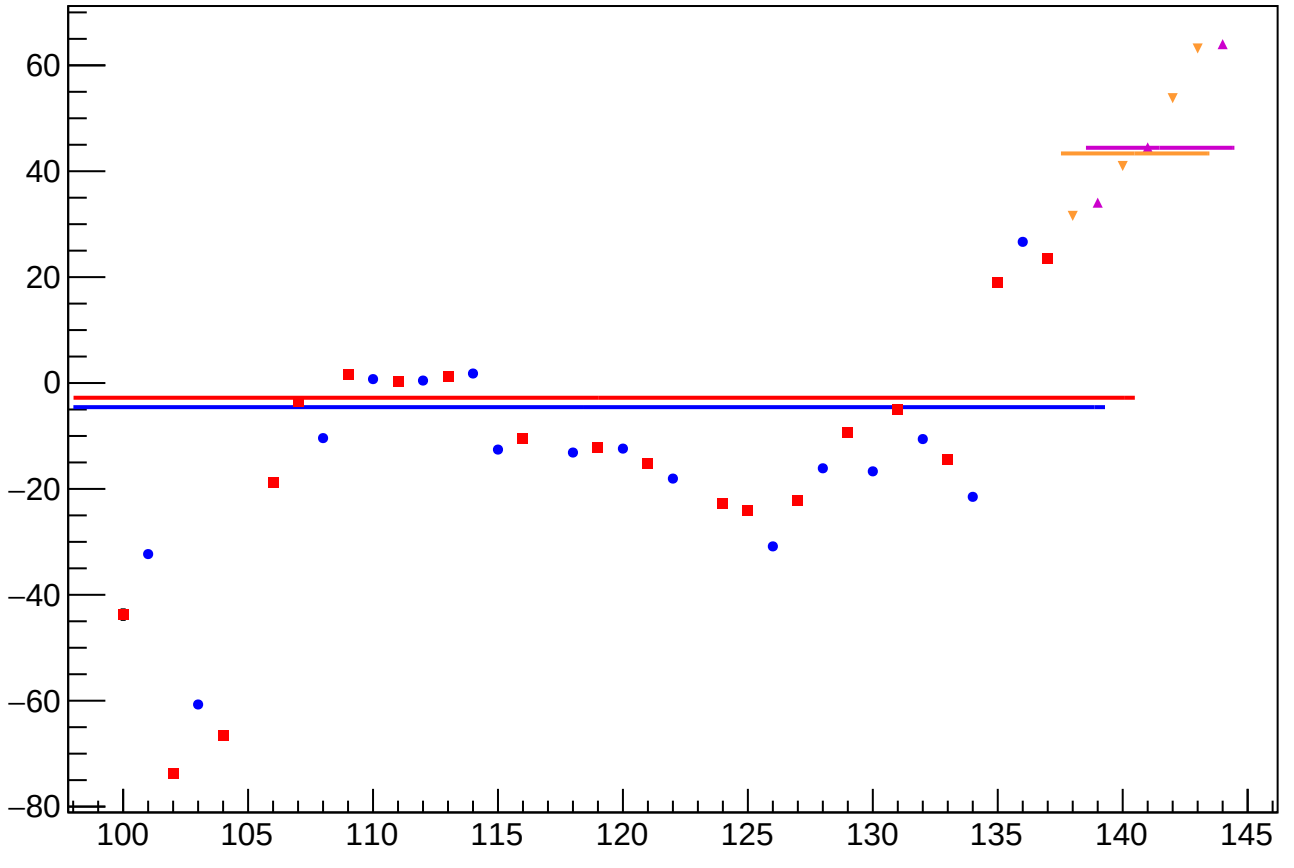
Left: -0.322+/-0.004 χ^2/NDF: 1225.8/6

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.291+/-0.003 χ^2/NDF:12662.8/18

Out: -0.225+/-0.003 χ^2/NDF:16323.6/22

All: -0.256+/-0.002 χ^2/NDF: 29201.7/41



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 43.359+/-0.128 χ^2/NDF:8751.8/3

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 44.429+/-0.134 χ^2/NDF:7470.1/2

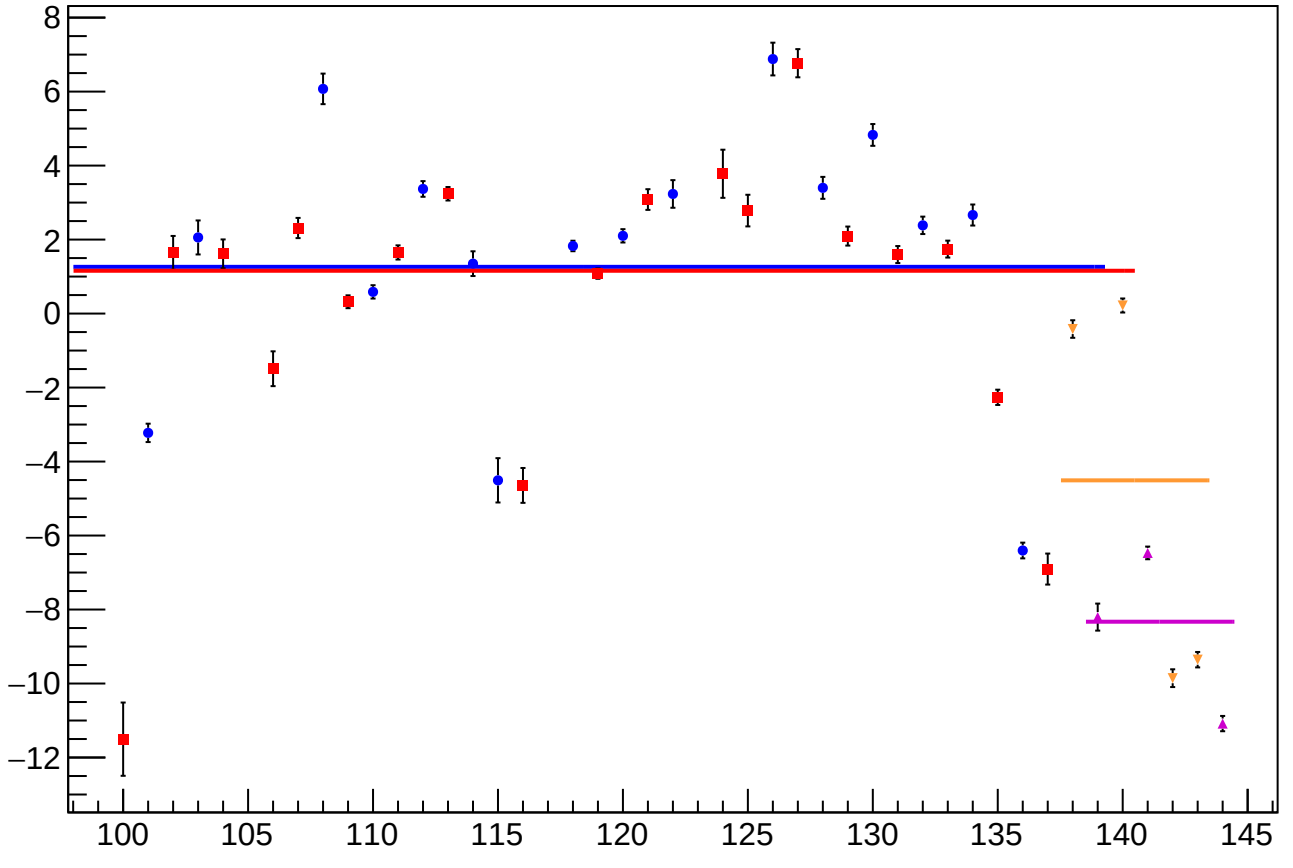
Left: 43.867+/-0.093 χ^2/NDF: 16255.3/6

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.875+/-0.052 χ^2/NDF:192939.3/18

Out: 3.044+/-0.045 χ^2/NDF:200842.3/22

All: 2.971+/-0.034 χ^2/NDF: 393787.5/41



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -4.508+/-0.108 χ^2/NDF:1954.7/3

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -8.329+/-0.124 χ^2/NDF:295.6/2

Left: -6.154+/-0.081 χ^2/NDF: 2790.7/6

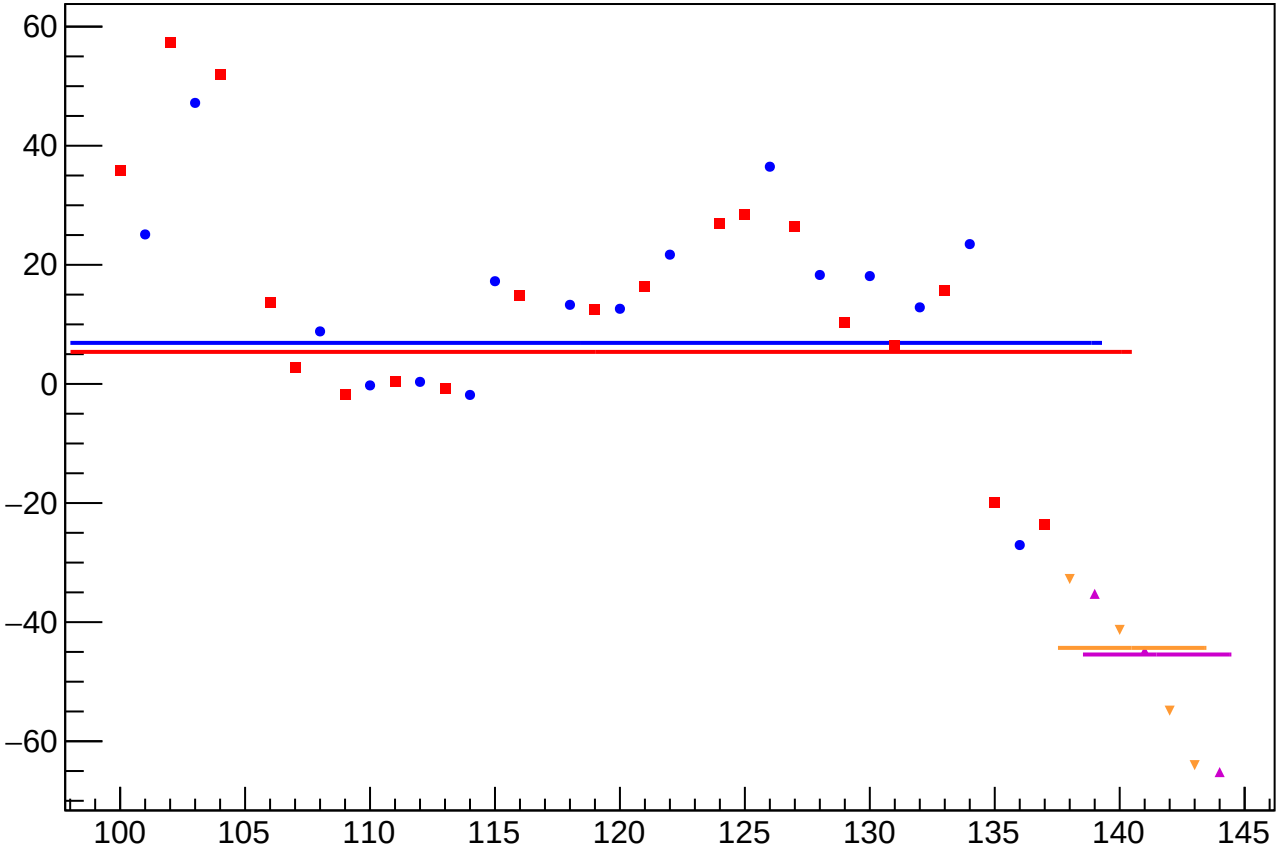
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.657+/-0.055 χ^2/NDF:7525.4/18

Out: -0.150+/-0.052 χ^2/NDF:5566.3/22

All: -0.386+/-0.038 χ^2/NDF: 13136.3/41

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: -44.321+/-0.132 χ^2/NDF:8084.1/3

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -45.433+/-0.139 χ^2/NDF:7001.7/2

Left: -44.849+/-0.096 χ^2/NDF: 15119.5/6

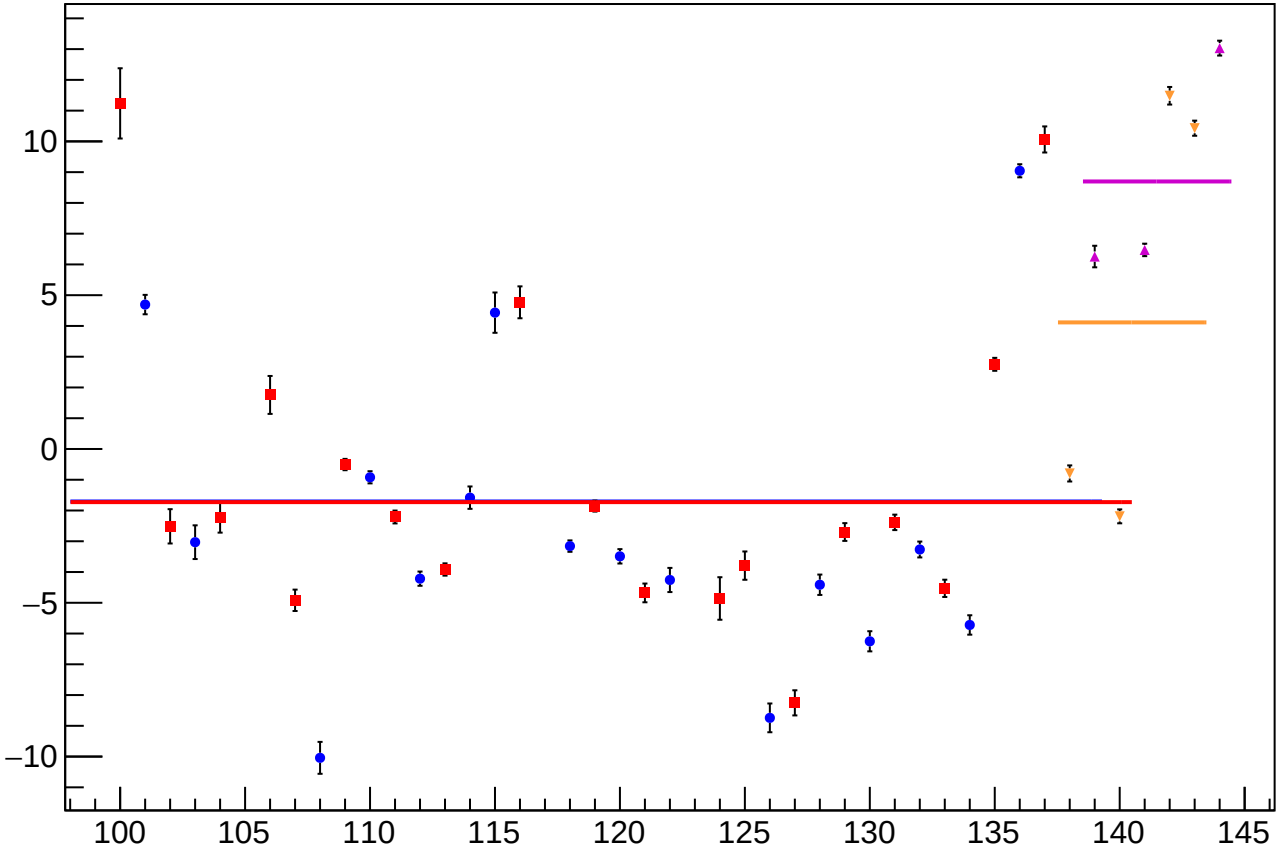
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -3.077+/-0.061 χ^2/NDF:190045.7/18

Out: -3.519+/-0.056 χ^2/NDF:196556.1/22

All: -3.316+/-0.041 χ^2/NDF: 386630.4/41

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 4.115+/-0.126 χ^2/NDF:2450.0/3

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 8.697+/-0.142 χ^2/NDF:489.7/2

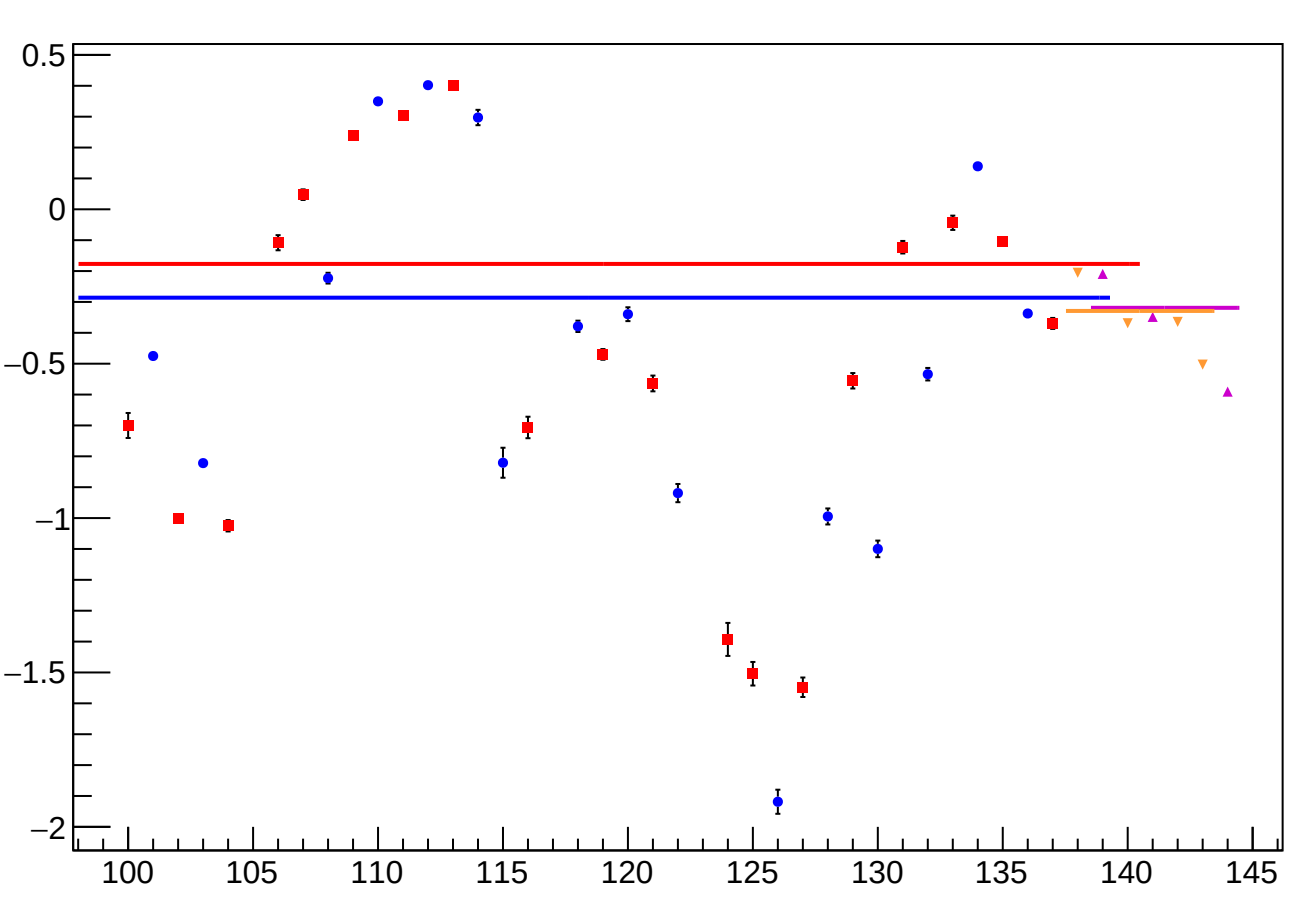
Left: 6.134+/-0.094 χ^2/NDF: 3521.2/6

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: 0.397+/-0.064 χ^2/NDF:9056.5/18

Out: -0.446+/-0.059 χ^2/NDF:6434.7/22

All: -0.057+/-0.043 χ^2/NDF: 15585.1/41



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.329+/-0.005 χ^2/NDF:436.6/3

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.319+/-0.005 χ^2/NDF:663.0/2

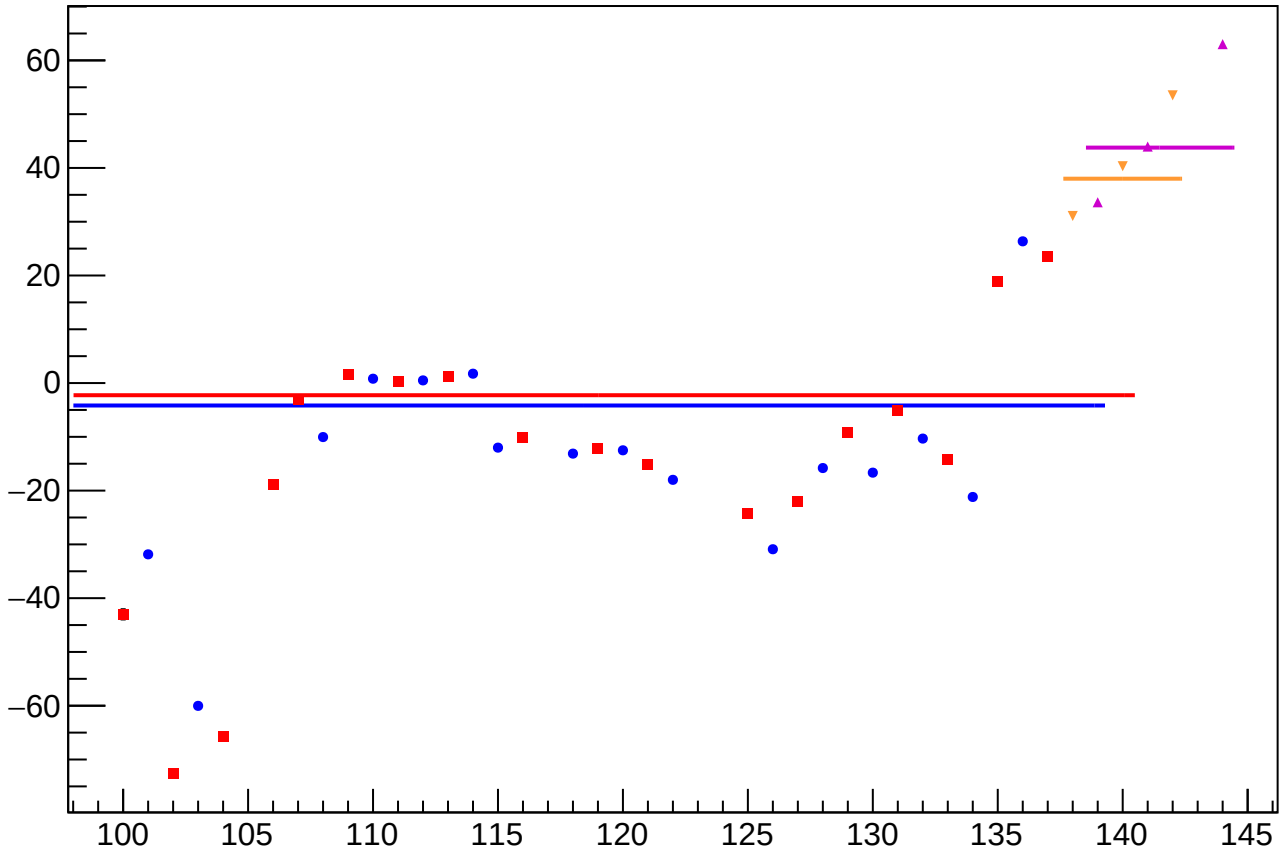
Left: -0.324+/-0.004 χ^2/NDF: 1101.4/6

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.299+/-0.003 χ^2/NDF:12046.8/18

Out: -0.230+/-0.003 χ^2/NDF:15724.4/22

All: -0.263+/-0.002 χ^2/NDF: 27991.6/41



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 38.000+/-0.137 χ^2/NDF:3194.4/2

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 43.780+/-0.130 χ^2/NDF:7669.5/2

Left: 41.047+/-0.094 χ^2/NDF: 11799.4/5

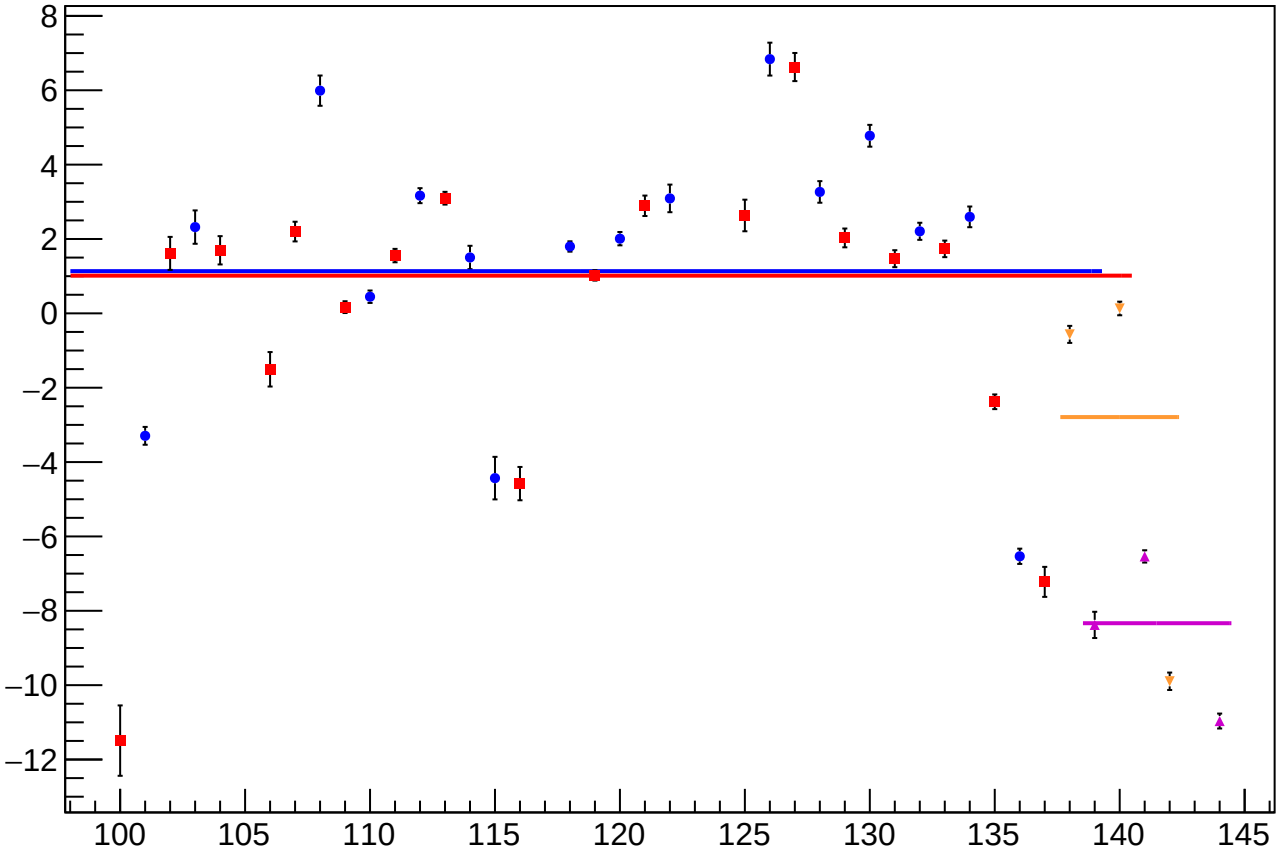
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.987+/-0.050 χ^2/NDF:198878.5/18

Out: 1.813+/-0.044 χ^2/NDF:160210.9/20

All: 2.318+/-0.033 χ^2/NDF: 359400.8/39

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: -2.790+/-0.122 χ^2/NDF:1268.6/2

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -8.334+/-0.120 χ^2/NDF:289.4/2

Left: -5.607+/-0.086 χ^2/NDF: 2605.9/5

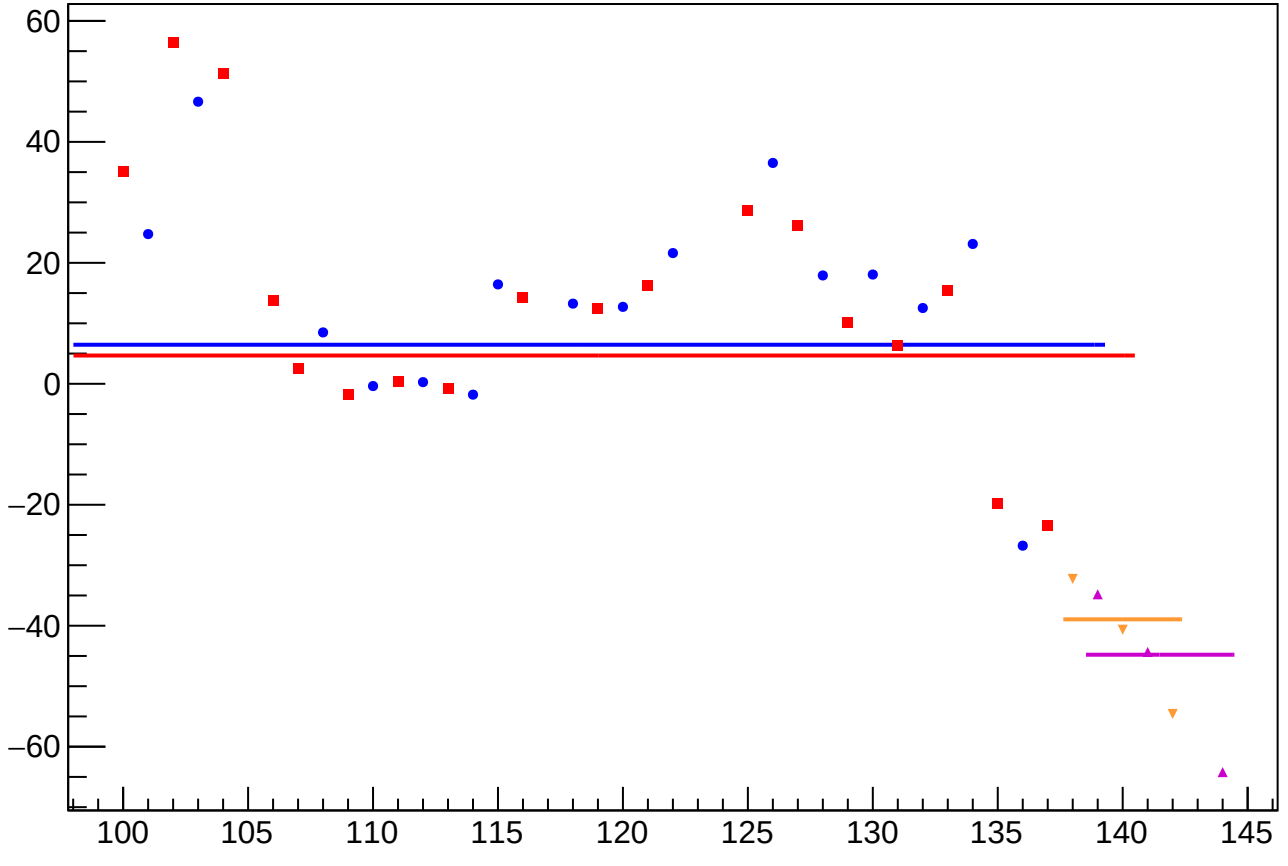
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.765+/-0.054 χ^2/NDF:7852.8/18

Out: 0.329+/-0.052 χ^2/NDF:3657.6/20

All: -0.197+/-0.037 χ^2/NDF: 11725.2/39

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -38.942+/-0.142 χ^2/NDF:2887.8/2

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -44.795+/-0.134 χ^2/NDF:7187.6/2

Left: -42.035+/-0.098 χ^2/NDF: 10970.6/5

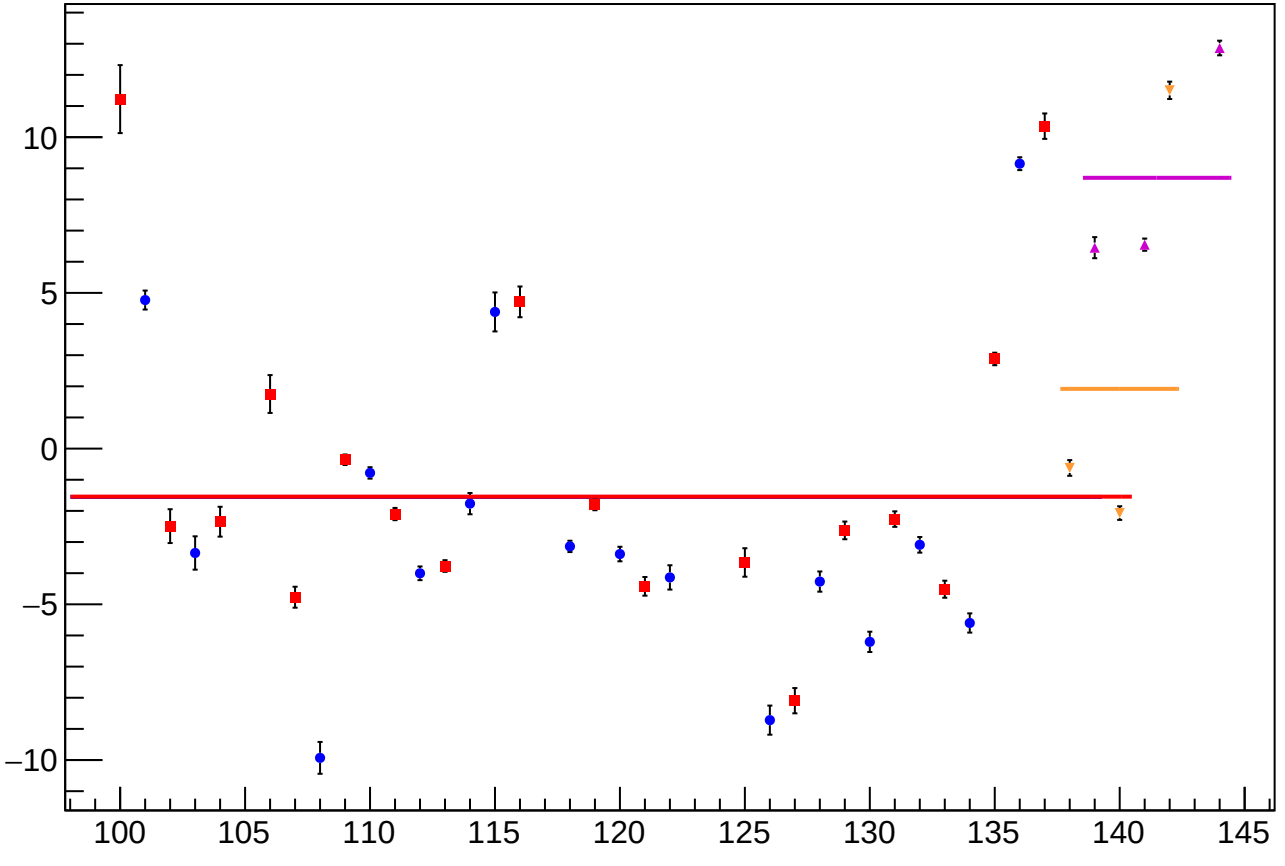
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -3.256+/-0.058 χ^2/NDF:195969.6/18

Out: -1.745+/-0.055 χ^2/NDF:157529.1/20

All: -2.448+/-0.040 χ^2/NDF: 353856.0/39

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.919+/-0.142 χ^2/NDF:1613.3/2

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 8.695+/-0.138 χ^2/NDF:477.8/2

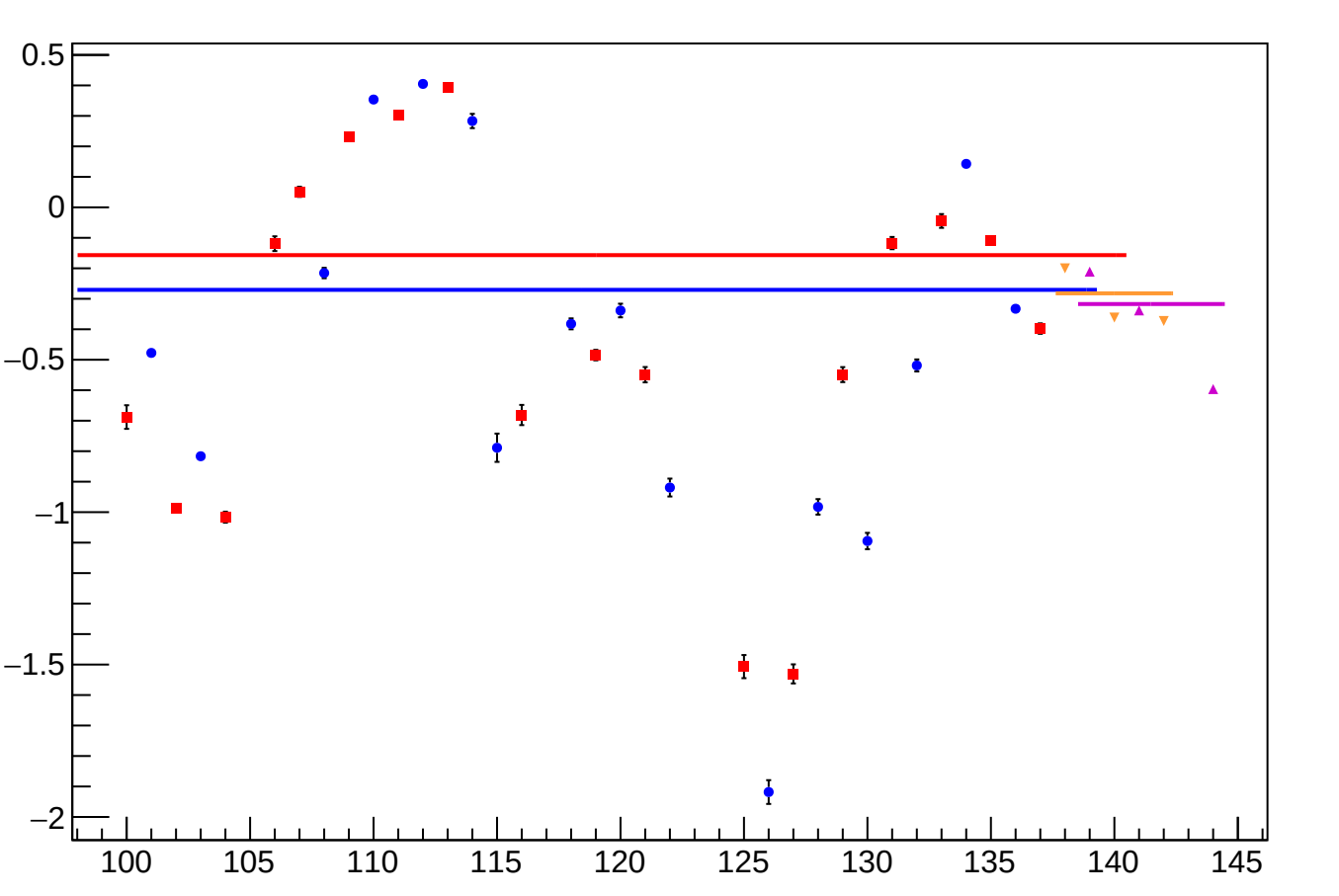
Left: 5.419+/-0.099 χ^2/NDF: 3263.2/5

Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.521+/-0.062 χ^2/NDF:9443.3/18

Out: -0.952+/-0.059 χ^2/NDF:4577.3/20

All: -0.253+/-0.043 χ^2/NDF: 14318.1/39



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.282+/-0.006 χ^2/NDF:203.3/2

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.317+/-0.005 χ^2/NDF:711.8/2

Left: -0.301+/-0.004 χ^2/NDF: 935.3/5

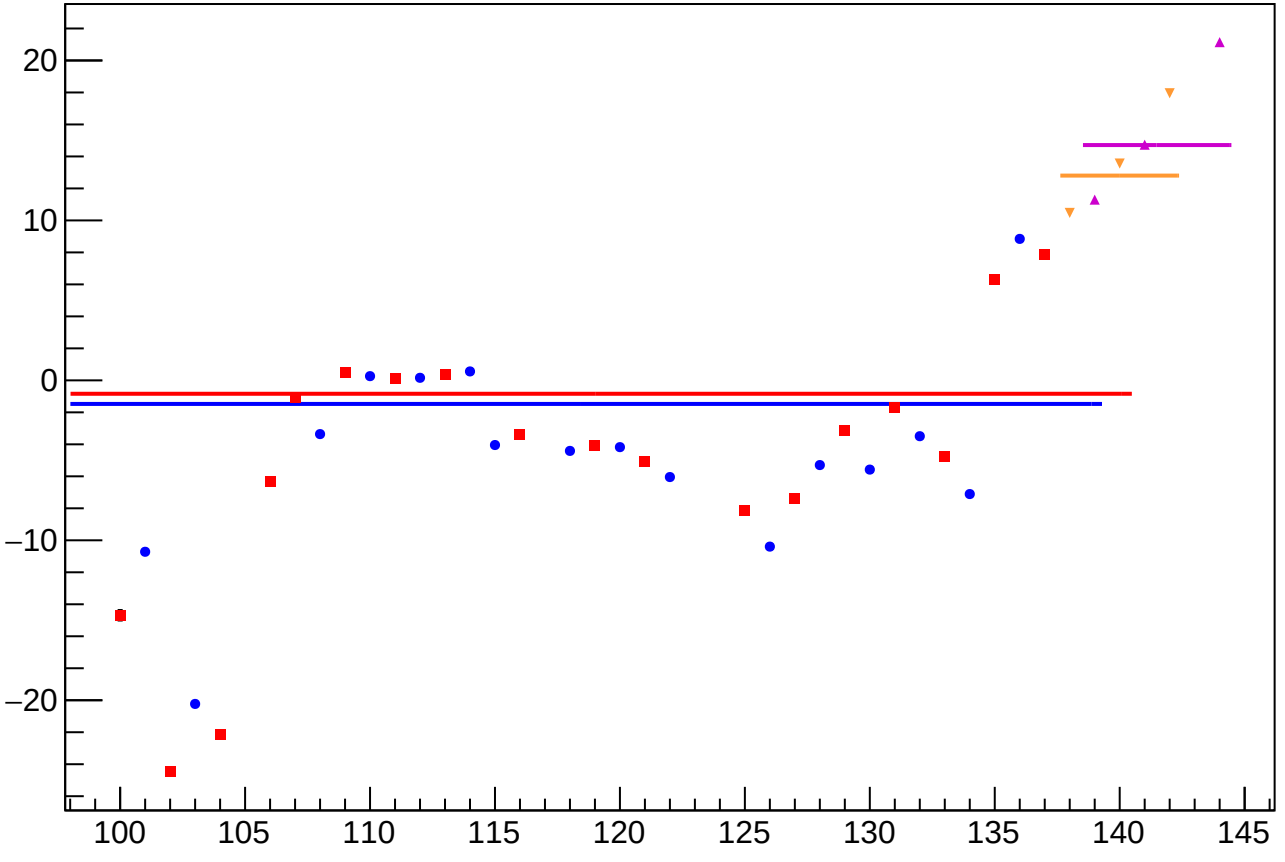
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.289+/-0.003 χ^2/NDF:12856.5/18

Out: -0.194+/-0.003 χ^2/NDF:15550.1/20

All: -0.240+/-0.002 χ^2/NDF: 28837.4/39

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: 12.802+/-0.047 χ^2/NDF:3083.0/2

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 14.712+/-0.044 χ^2/NDF:7494.2/2

Left: 13.811+/-0.032 χ^2/NDF: 11461.3/5

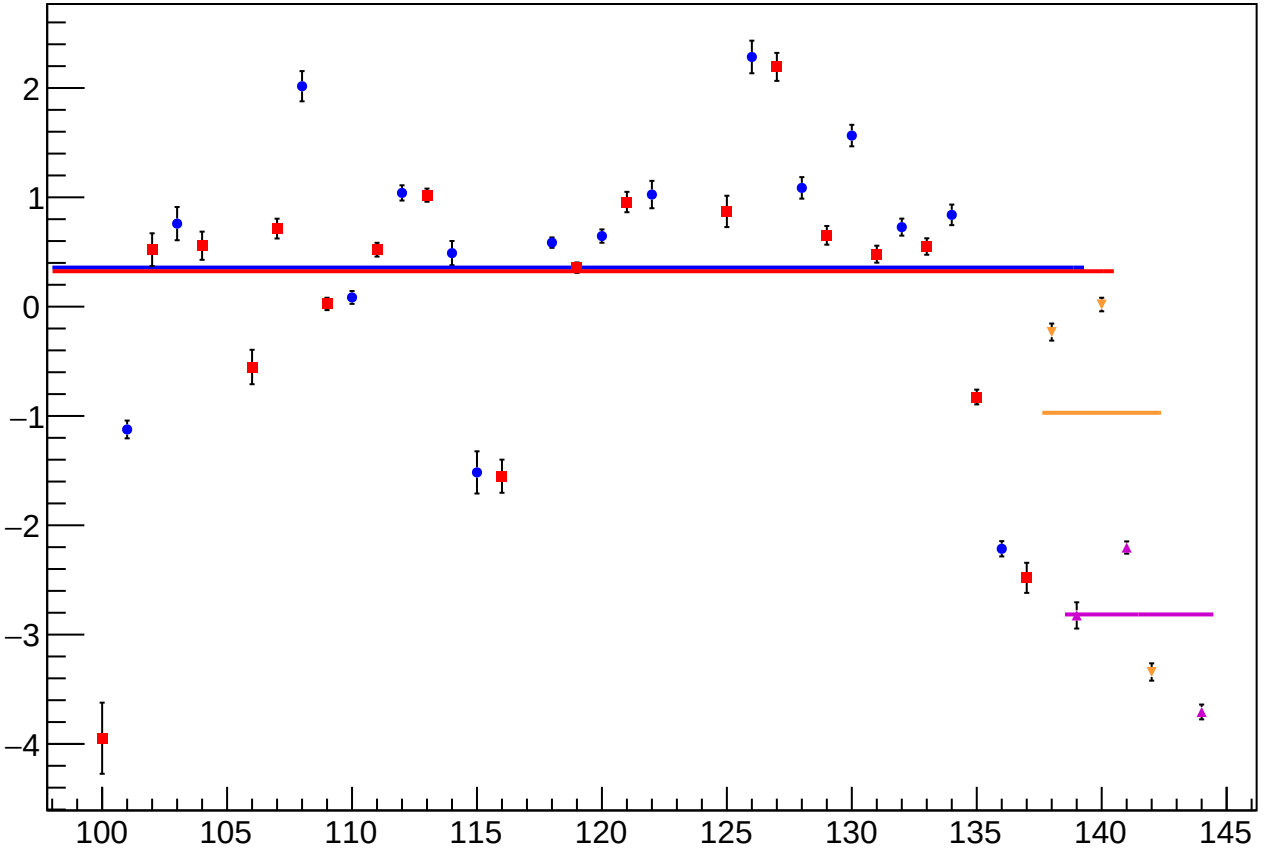
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 1.002+/-0.017 χ^2/NDF:195329.6/18

Out: 0.601+/-0.015 χ^2/NDF:157517.5/20

All: 0.776+/-0.011 χ^2/NDF: 353151.1/39

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.971+/-0.041 χ^2/NDF:1239.0/2

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -2.815+/-0.041 χ^2/NDF:291.6/2

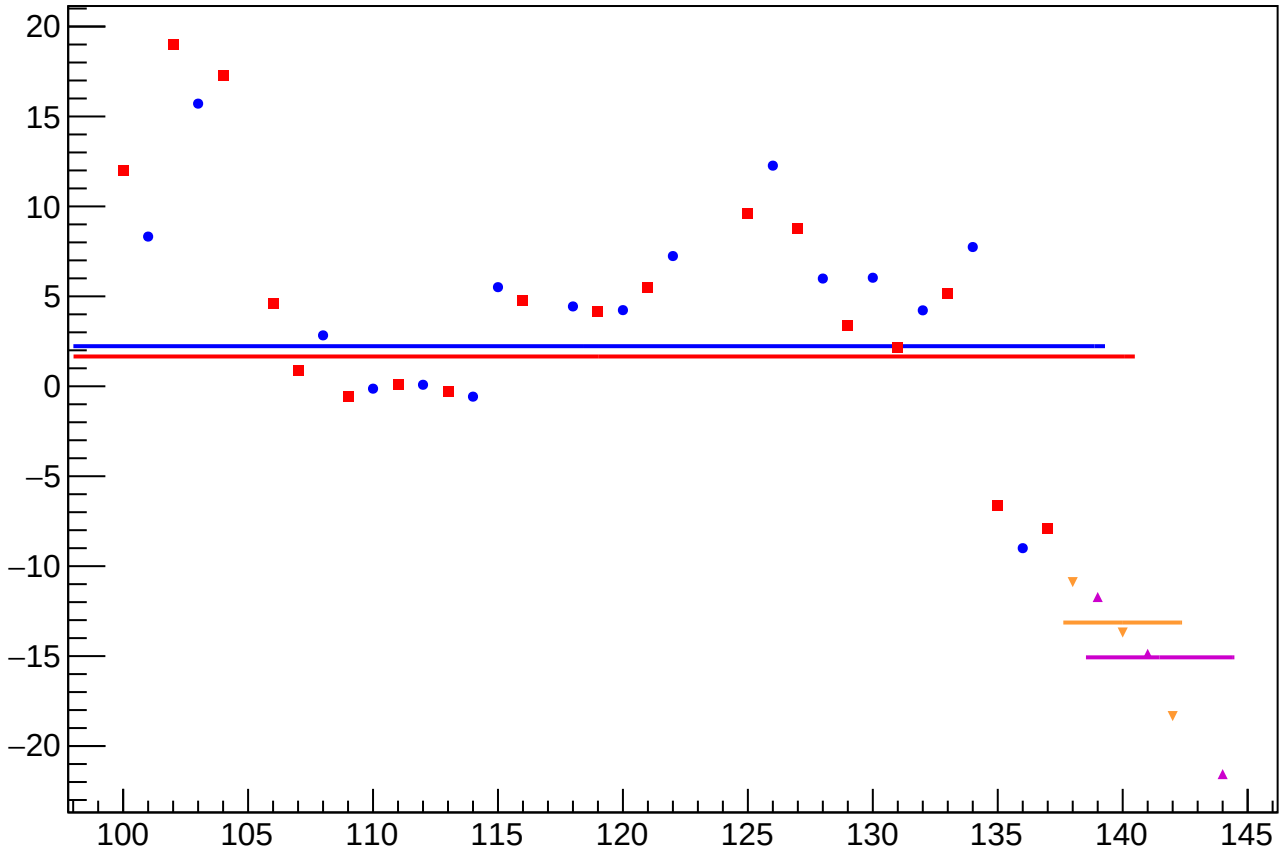
Left: -1.910+/-0.029 χ^2/NDF: 2539.1/5

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.289+/-0.018 χ^2/NDF:7674.6/18

Out: 0.085+/-0.018 χ^2/NDF:3594.3/20

All: -0.096+/-0.013 χ^2/NDF: 11483.1/39



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -13.134+/-0.048 χ^2/NDF:2787.4/2

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -15.069+/-0.046 χ^2/NDF:7025.5/2

Left: -14.159+/-0.033 χ^2/NDF: 10660.6/5

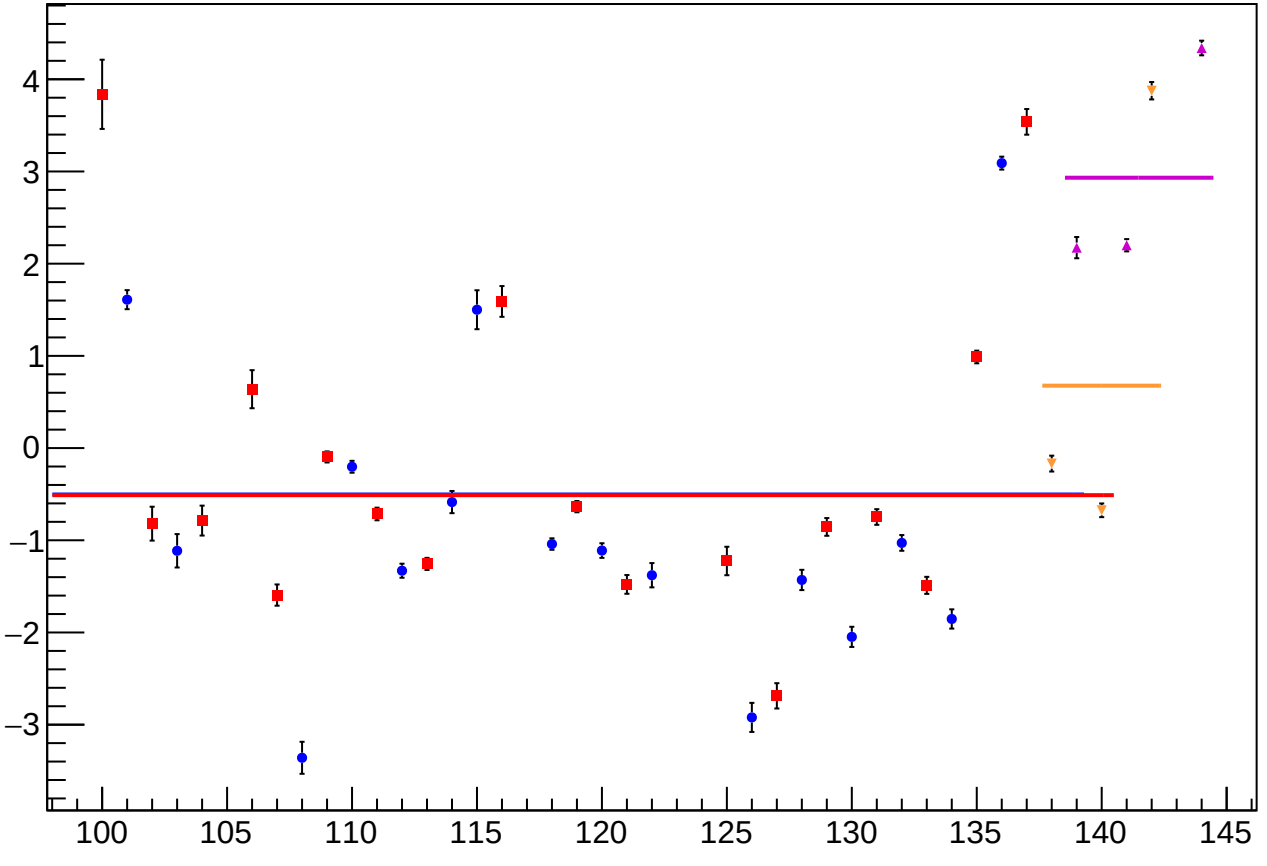
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -1.102+/-0.020 χ^2/NDF:192524.4/18

Out: -0.586+/-0.019 χ^2/NDF:154921.5/20

All: -0.828+/-0.014 χ^2/NDF: 347798.7/39

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: 0.677+/-0.048 χ^2/NDF:1576.7/2

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 2.932+/-0.047 χ^2/NDF:477.9/2

Left: 1.844+/-0.034 χ^2/NDF: 3183.1/5

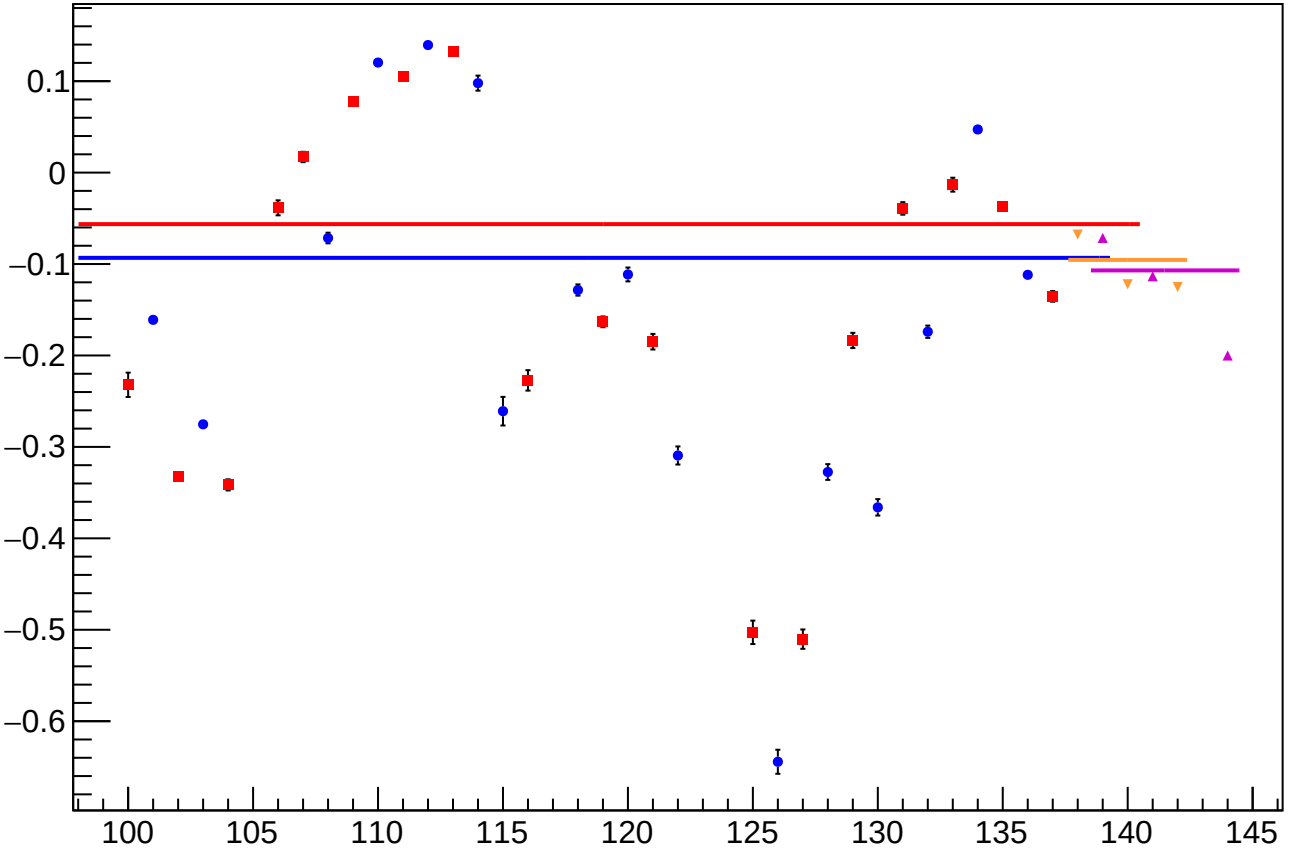
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.202+/-0.021 χ^2/NDF:9238.2/18

Out: -0.303+/-0.020 χ^2/NDF:4499.2/20

All: -0.061+/-0.015 χ^2/NDF: 14035.1/39

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.096+/-0.002 χ^2/NDF:197.3/2

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.107+/-0.002 χ^2/NDF:691.4/2

Left: -0.102+/-0.001 χ^2/NDF: 907.3/5

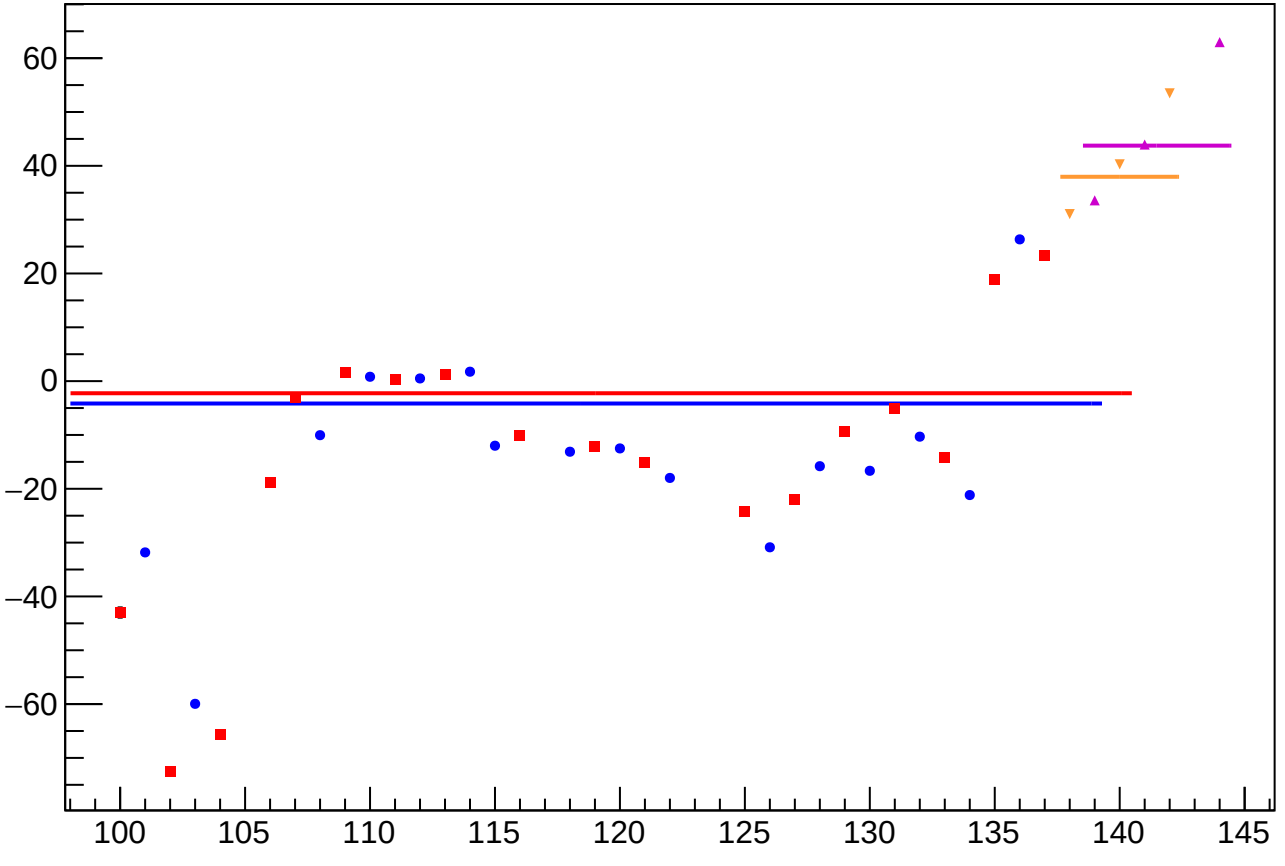
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.099+/-0.001 χ^2/NDF:12470.4/18

Out: -0.068+/-0.001 χ^2/NDF:14928.8/20

All: -0.083+/-0.001 χ^2/NDF: 27779.6/39

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: 37.965+/-0.137 χ^2/NDF:3199.2/2

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 43.750+/-0.130 χ^2/NDF:7674.5/2

Left: 41.014+/-0.094 χ^2/NDF: 11812.4/5

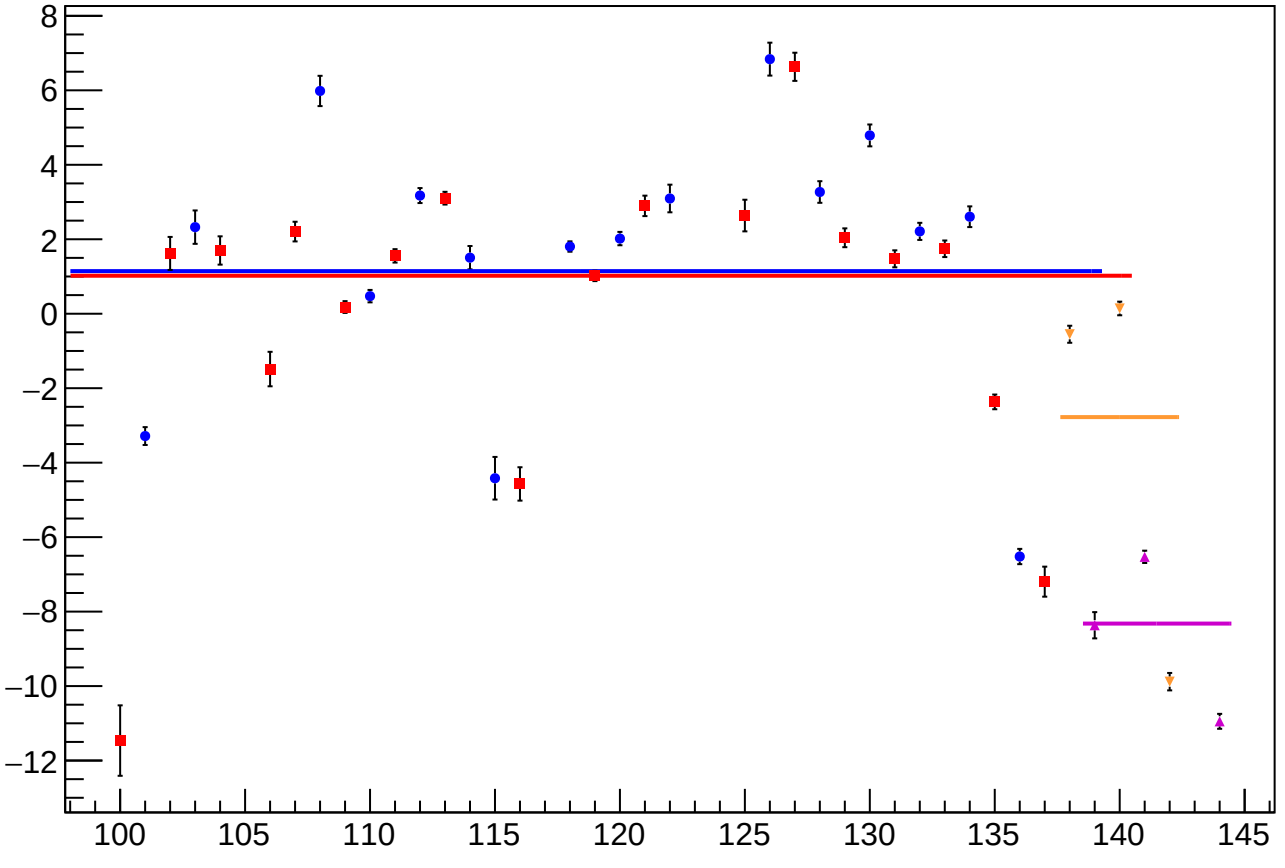
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 2.988+/-0.050 χ^2/NDF:198895.5/18

Out: 1.813+/-0.044 χ^2/NDF:160202.9/20

All: 2.319+/-0.033 χ^2/NDF: 359411.0/39

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: -2.776+/-0.122 χ^2/NDF:1269.6/2

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -8.322+/-0.120 χ^2/NDF:288.6/2

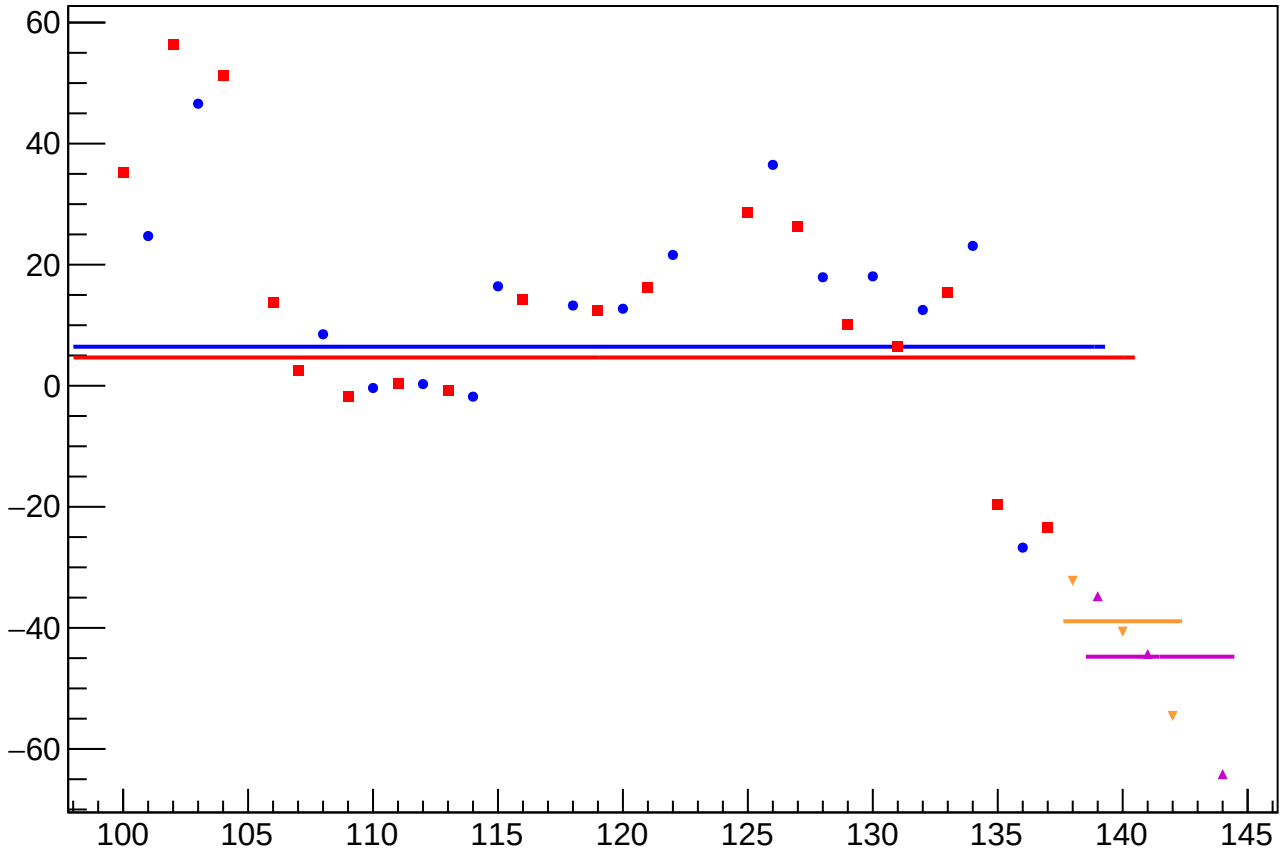
Left: -5.594+/-0.086 χ^2/NDF: 2608.2/5

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.755+/-0.054 χ^2/NDF:7855.9/18

Out: 0.338+/-0.052 χ^2/NDF:3655.3/20

All: -0.188+/-0.037 χ^2/NDF: 11725.5/39



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -38.900+/-0.142 χ^2/NDF:2892.2/2

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -44.758+/-0.134 χ^2/NDF:7192.2/2

Left: -41.996+/-0.098 χ^2/NDF: 10982.6/5

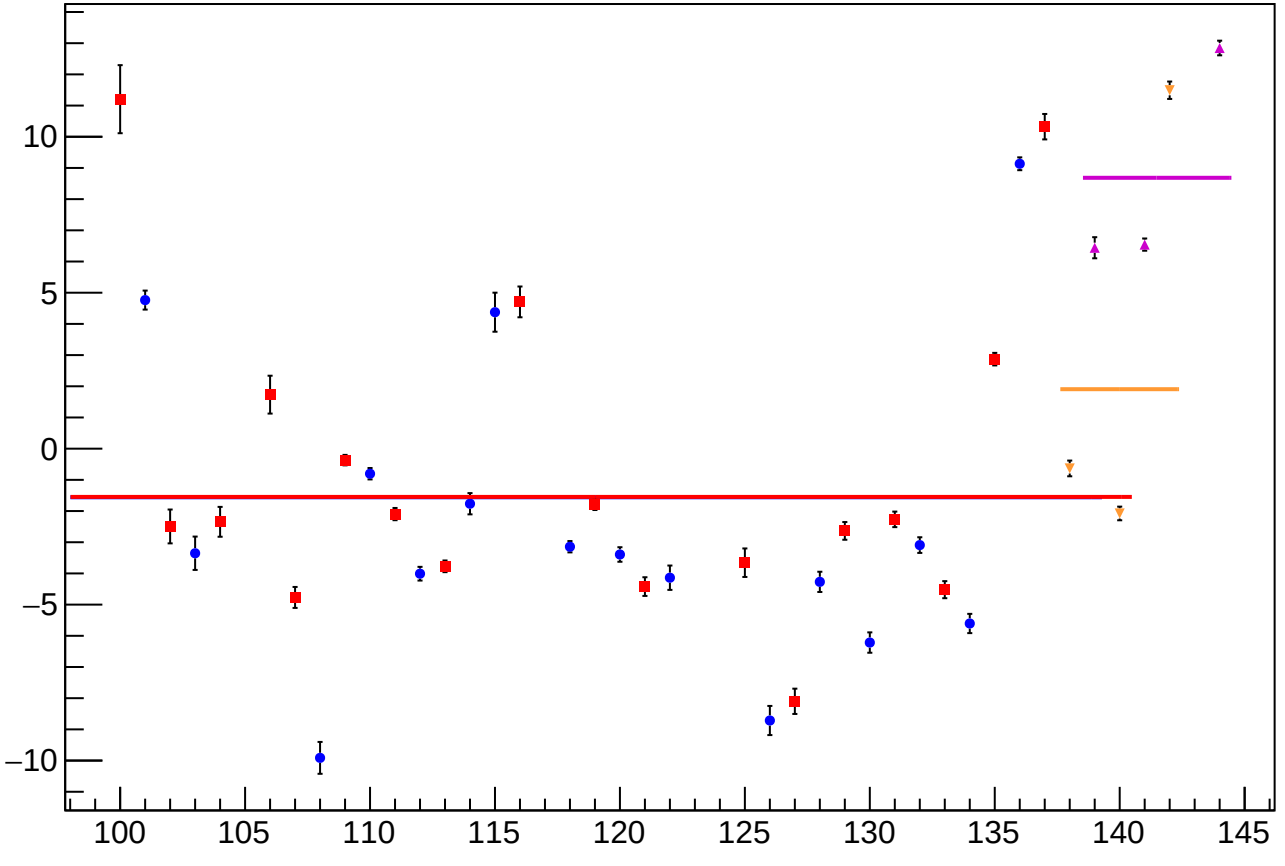
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -3.252+/-0.058 χ^2/NDF:195979.5/18

Out: -1.739+/-0.054 χ^2/NDF:157515.0/20

All: -2.443+/-0.040 χ^2/NDF: 353853.4/39

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: 1.907+/-0.142 χ^2/NDF:1614.5/2

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 8.684+/-0.138 χ^2/NDF:476.9/2

Left: 5.407+/-0.099 χ^2/NDF: 3265.7/5

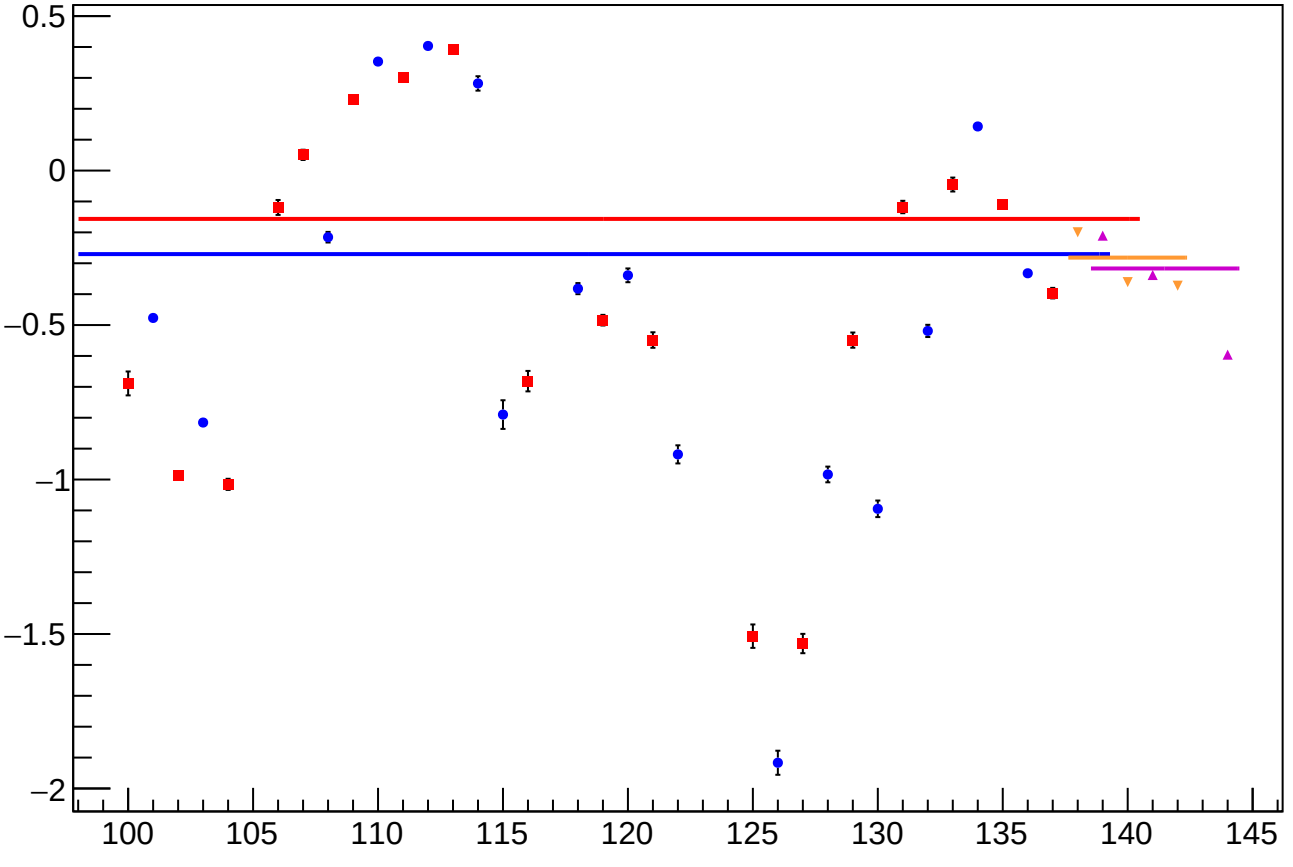
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: 0.513+/-0.062 χ^2/NDF:9445.5/18

Out: -0.957+/-0.059 χ^2/NDF:4574.1/20

All: -0.260+/-0.043 χ^2/NDF: 14316.6/39

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: -0.282+/-0.006 χ^2/NDF:203.4/2

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.317+/-0.005 χ^2/NDF:712.7/2

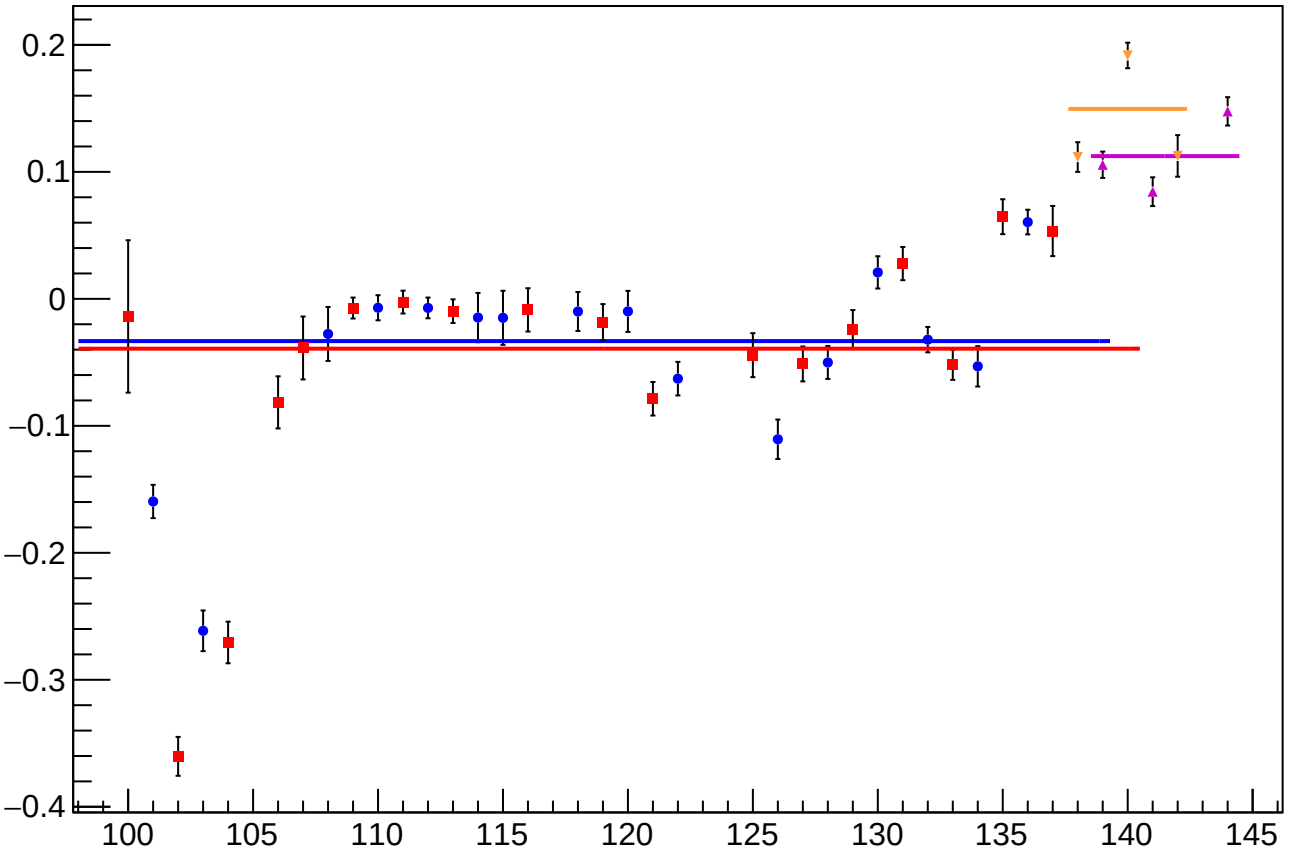
Left: -0.301+/-0.004 χ^2/NDF: 936.5/5

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.288+/-0.003 χ^2/NDF:12858.3/18

Out: -0.194+/-0.003 χ^2/NDF:15561.7/20

All: -0.240+/-0.002 χ^2/NDF: 28852.3/39



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.150+/-0.007 χ^2/NDF:33.1/2

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.112+/-0.006 χ^2/NDF:16.5/2

Left: 0.129+/-0.005 χ^2/NDF: 65.4/5

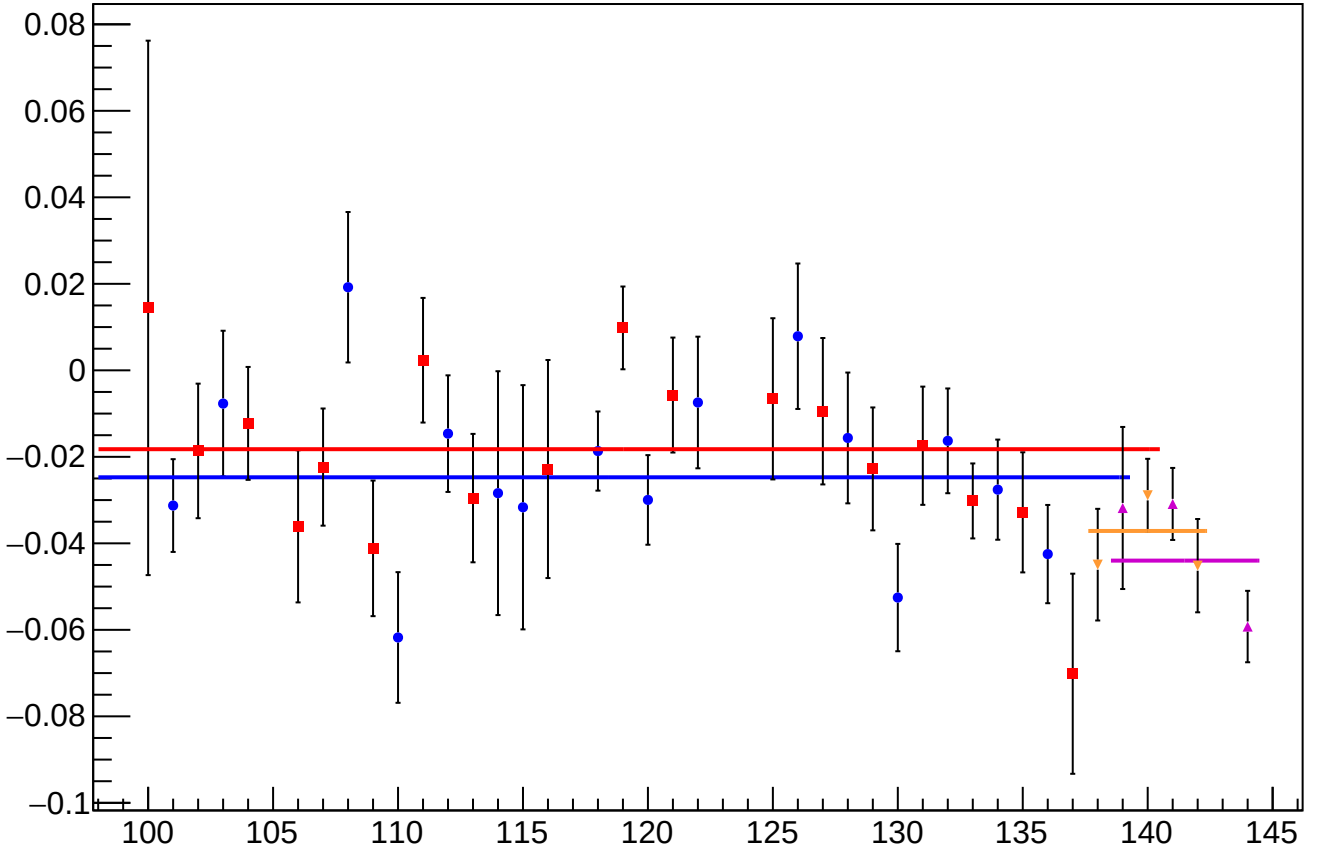
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.003+/-0.003 χ^2/NDF:903.4/18

Out: -0.006+/-0.003 χ^2/NDF:1455.9/20

All: -0.005+/-0.002 χ^2/NDF: 2359.9/39

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.037+/-0.006 χ^2/NDF:1.9/2

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.044+/-0.006 χ^2/NDF:6.3/2

Left: -0.041+/-0.004 χ^2/NDF: 8.9/5

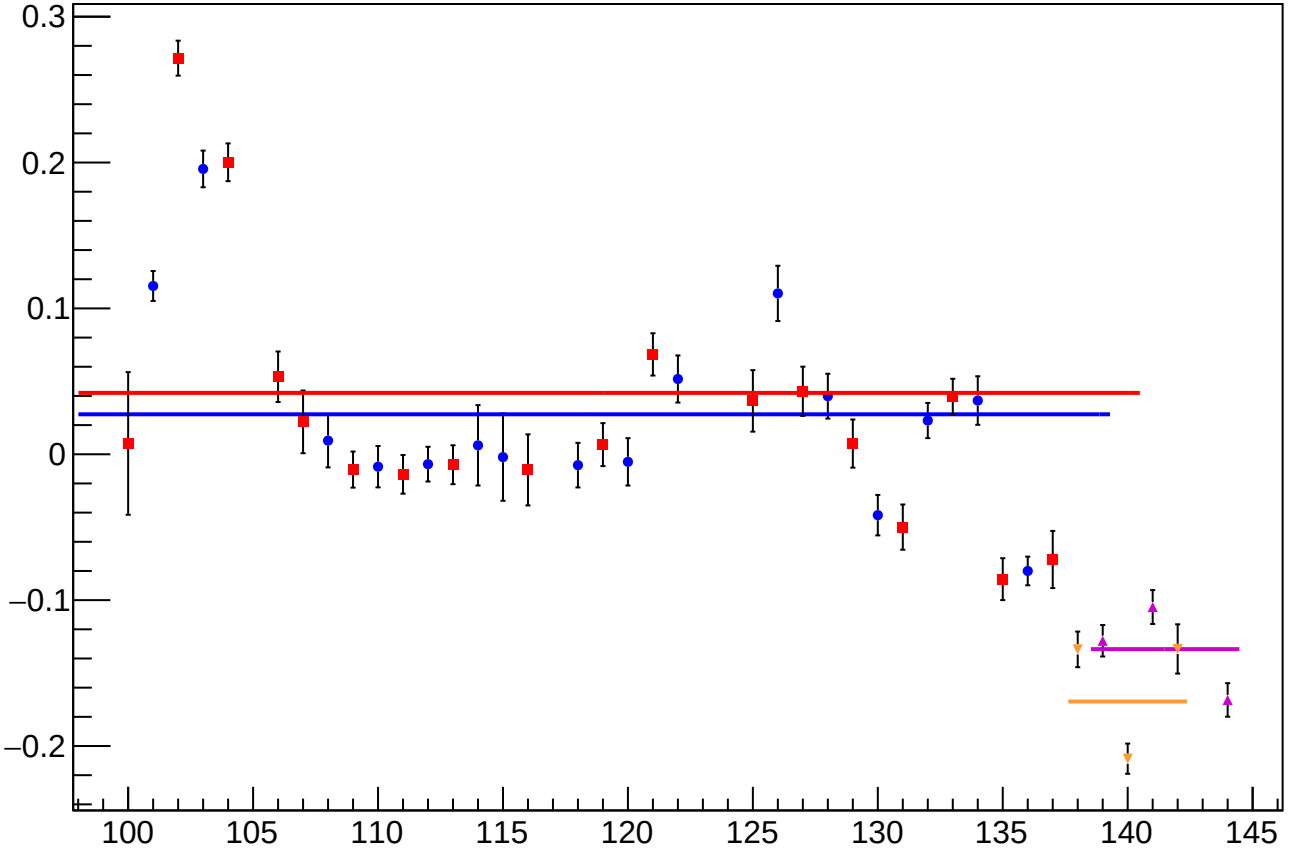
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.030+/-0.003 χ^2/NDF:43.6/18

Out: -0.023+/-0.003 χ^2/NDF:34.3/20

All: -0.026+/-0.002 χ^2/NDF: 80.7/39

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: -0.169+/-0.007 χ^2/NDF:27.4/2

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.134+/-0.007 χ^2/NDF:15.6/2

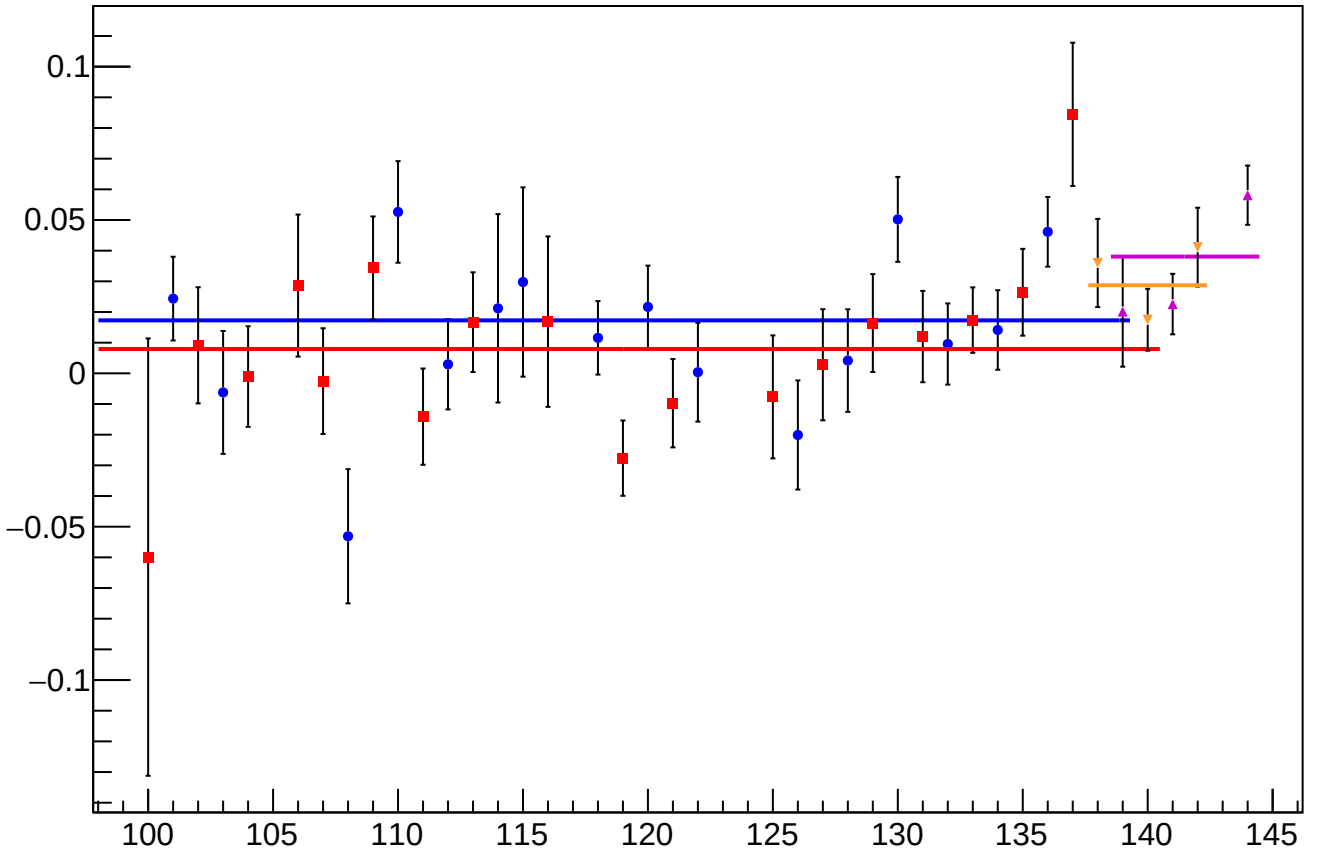
Left: -0.150+/-0.005 χ^2/NDF: 56.8/5

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.010+/-0.003 χ^2/NDF:931.0/18

Out: -0.001+/-0.003 χ^2/NDF:1455.5/20

All: -0.006+/-0.002 χ^2/NDF: 2390.1/39



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.029+/-0.007 χ^2/NDF:2.4/2

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.038+/-0.006 χ^2/NDF:7.8/2

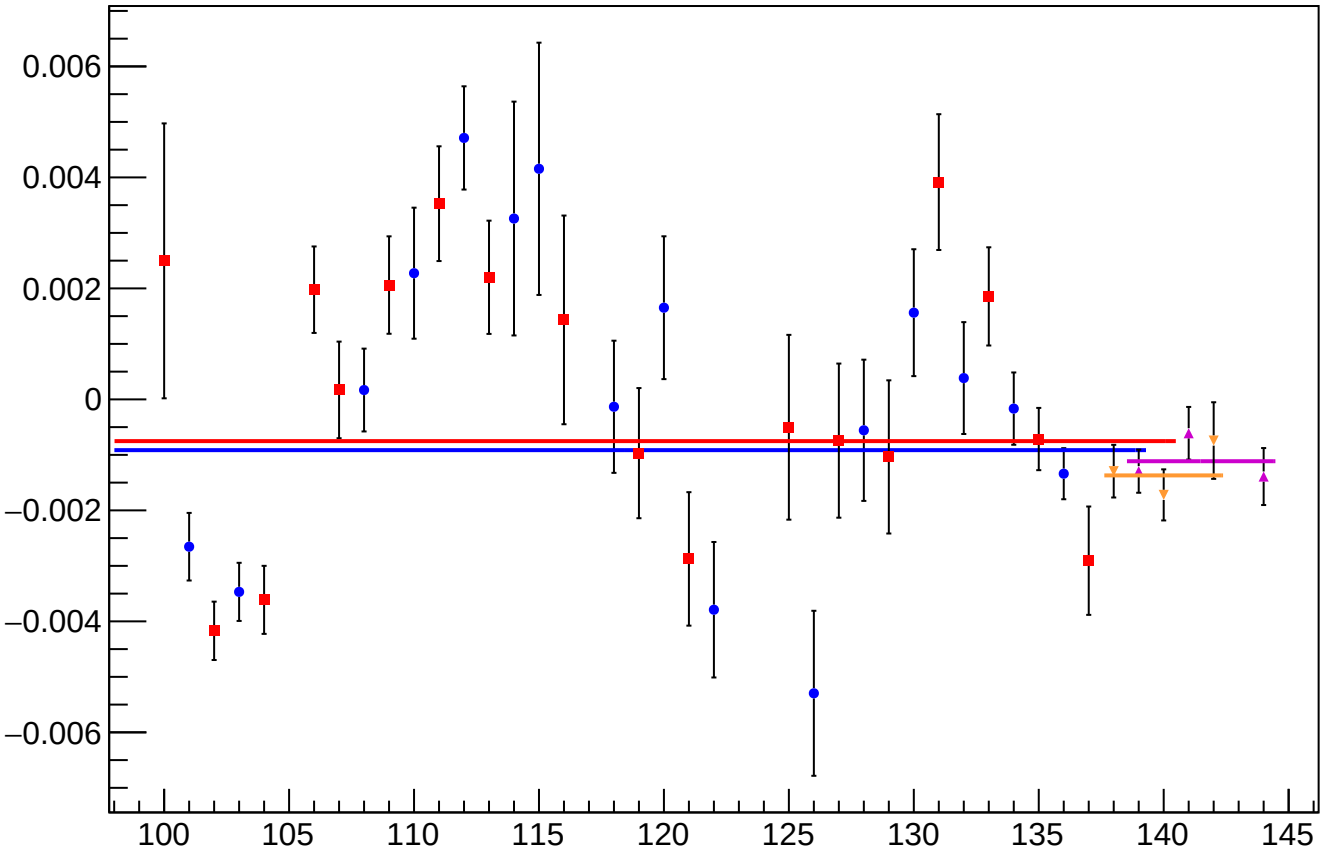
Left: 0.034+/-0.005 χ^2/NDF: 11.2/5

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.023+/-0.003 χ^2/NDF:52.1/18

Out: 0.013+/-0.003 χ^2/NDF:40.6/20

All: 0.018+/-0.002 χ^2/NDF: 97.0/39



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:1.4/2

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:1.6/2

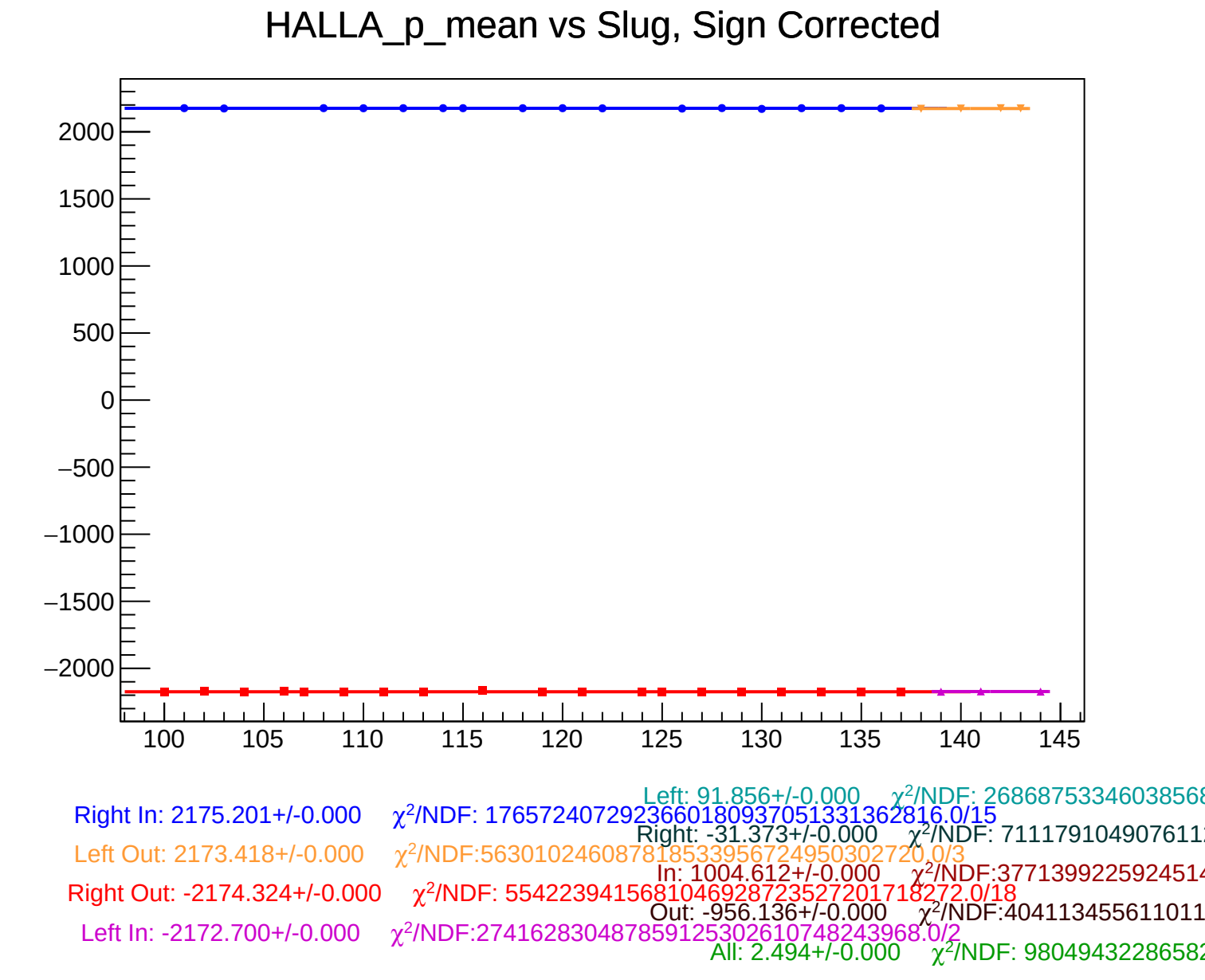
Left: -0.001+/-0.000 χ^2/NDF: 3.5/5

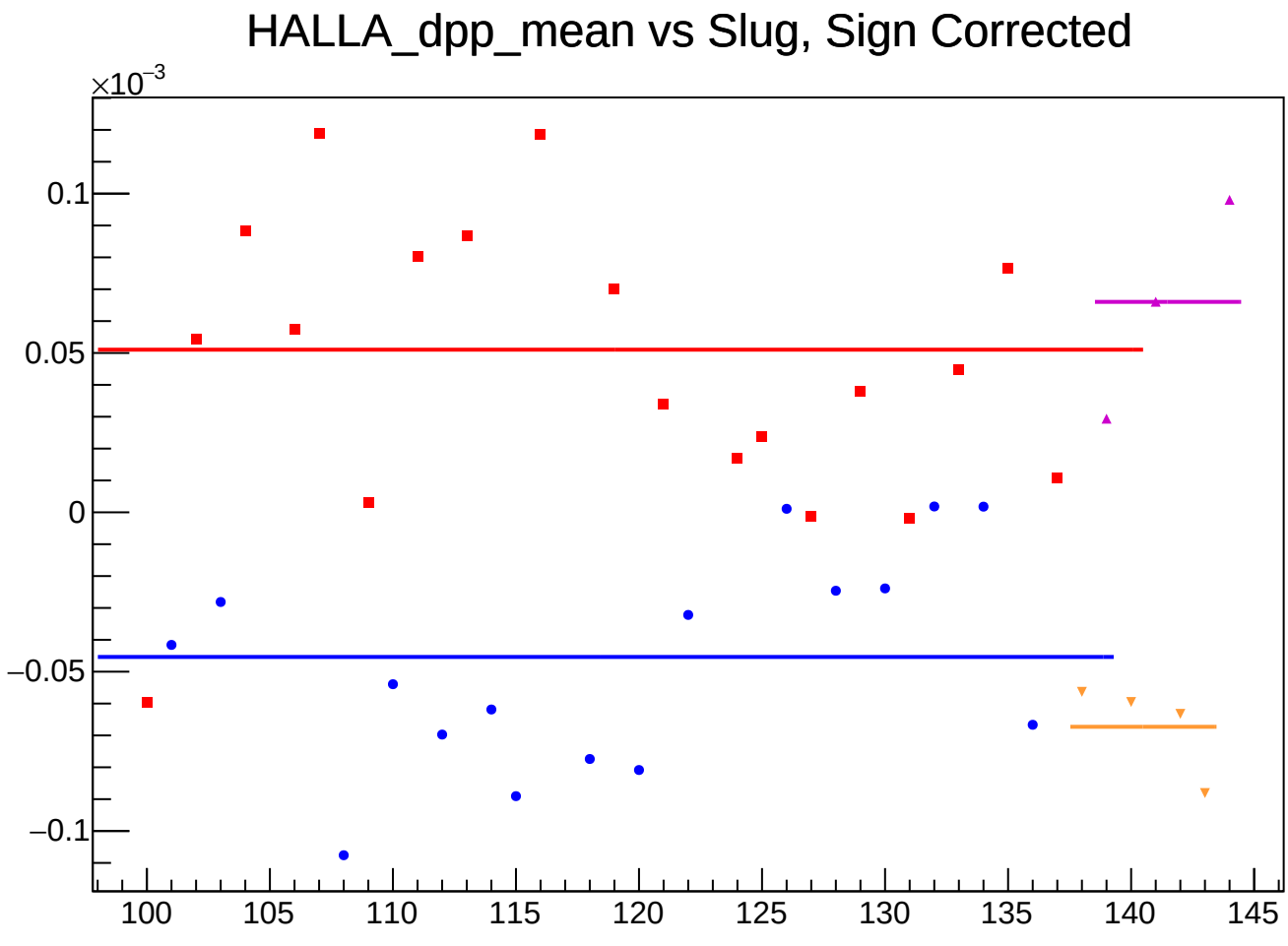
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:116.1/18

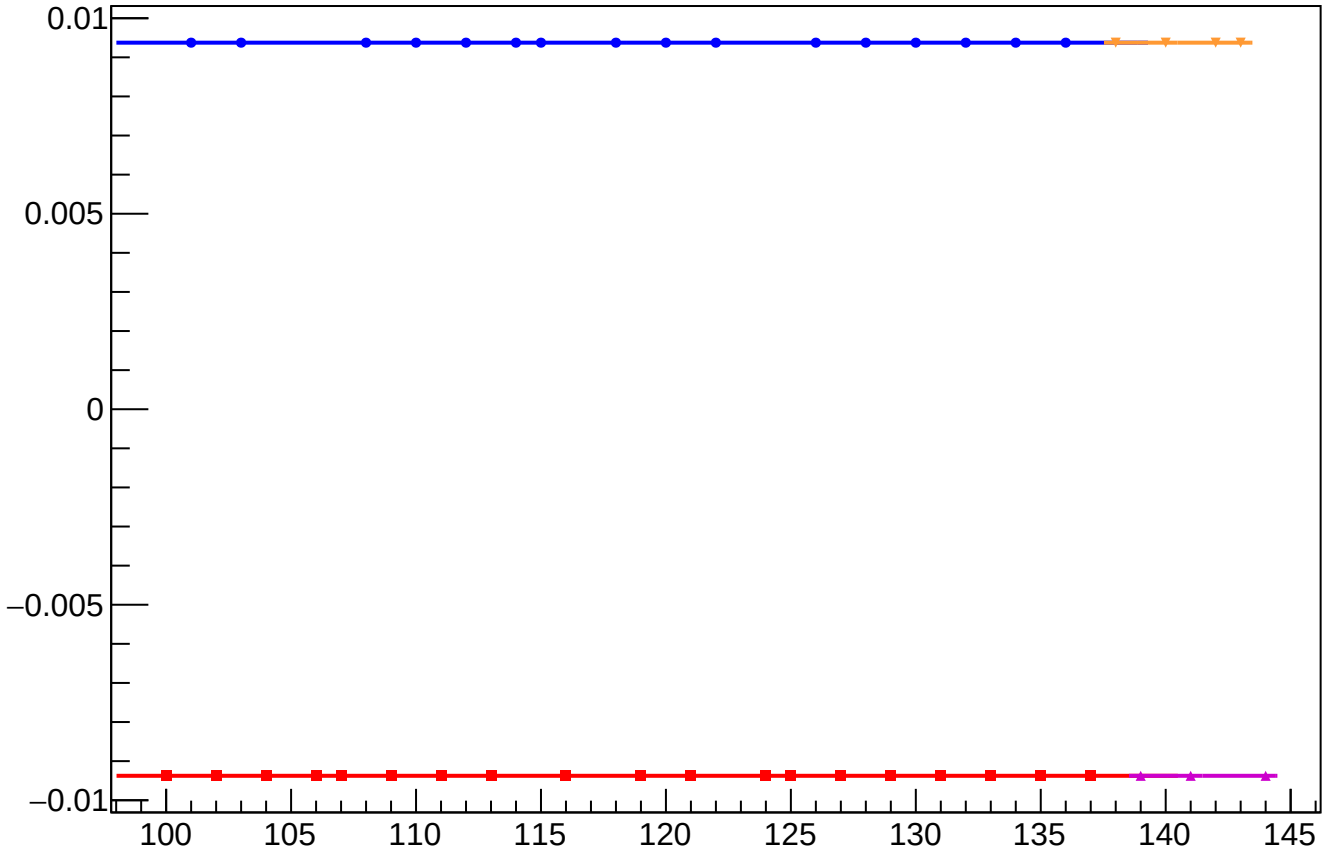
Out: -0.001+/-0.000 χ^2/NDF:151.9/20

All: -0.001+/-0.000 χ^2/NDF: 267.9/39


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
105
110
115
120
125
130
135
140
145
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
Left Out: 2173.418+/-0.000 χ²/NDF:56301024608781853395672495030272 0.0/3
Right Out: -2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
Left In: -2172.700+/-0.000 χ²/NDF:27416283048785912530261074824396 8.0/2
Left: 91.856+/-0.000 χ²/NDF: 2686875334603856
Right: -31.373+/-0.000 χ²/NDF: 711179104907611
In: 1004.612+/-0.000 χ²/NDF:377139922592451
Out: -956.136+/-0.000 χ²/NDF:404113455611011
All: 2.494+/-0.000 χ²/NDF: 98049432286582


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:5206025341720707307929 6.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:2112250239967578470481920.0/2
Left: -0.000+/-0.000 χ²/NDF: 279200391927181290
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:340065493143116323
Out: 0.000+/-0.000 χ²/NDF:405744218761953686
All: 0.000+/-0.000 χ²/NDF: 80314507095200

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/2

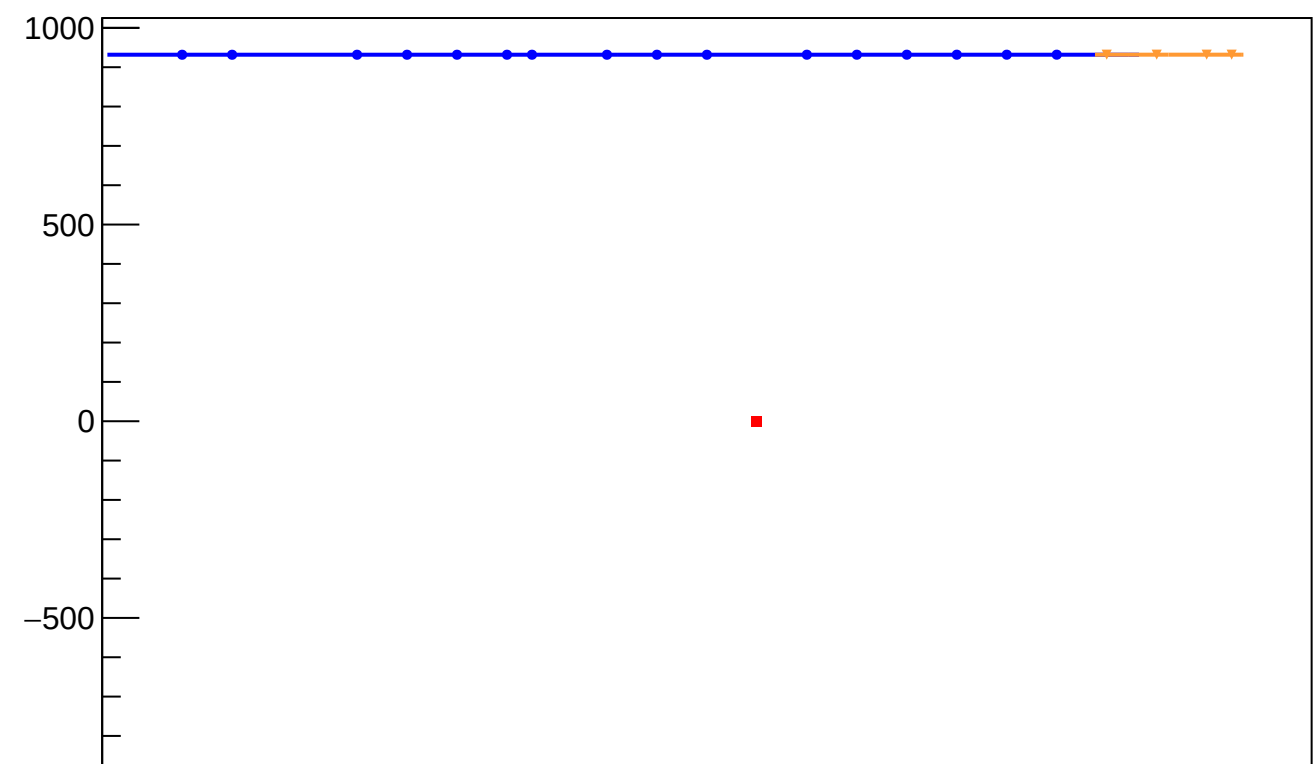
Left: 0.000+/-0.000 χ^2/NDF: 500088404605261477

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.004+/-0.000 χ^2/NDF:701367187499998568

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 1822849867405



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.873+/-0.000 χ^2/NDF:131823683028416141328761487 36.0/3

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.869+/-0.000 χ^2/NDF:433965790282951012378895974 4.0/2

Left: 39.238+/-0.000 χ^2/NDF: 49410118148382054

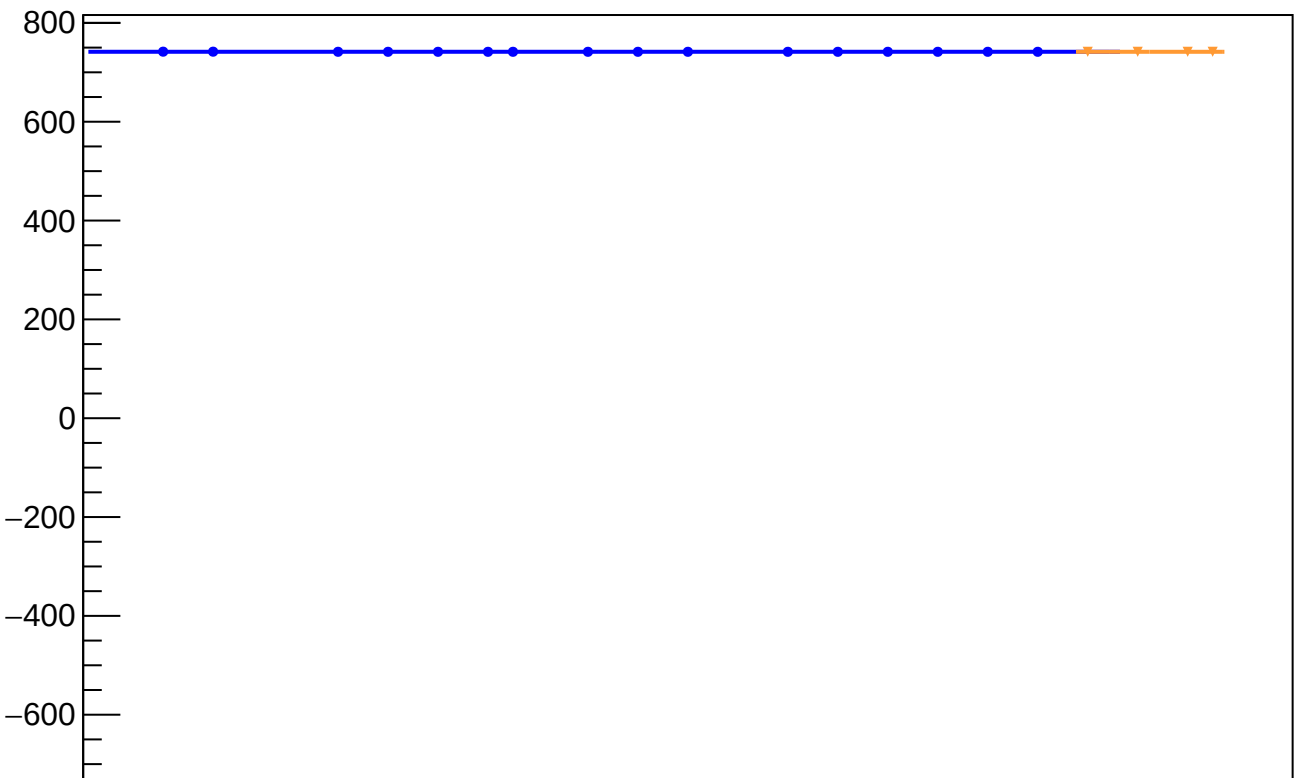
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 430.020+/-0.000 χ^2/NDF:69289311927446315

Out: -396.409+/-0.000 χ^2/NDF:740744043126478

All: 7.641+/-0.000 χ^2/NDF: 17875910785322

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:123466399495366354417420861 44.0/3

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.529+/-0.000 χ^2/NDF:426145427694860000593077862 4.0/2

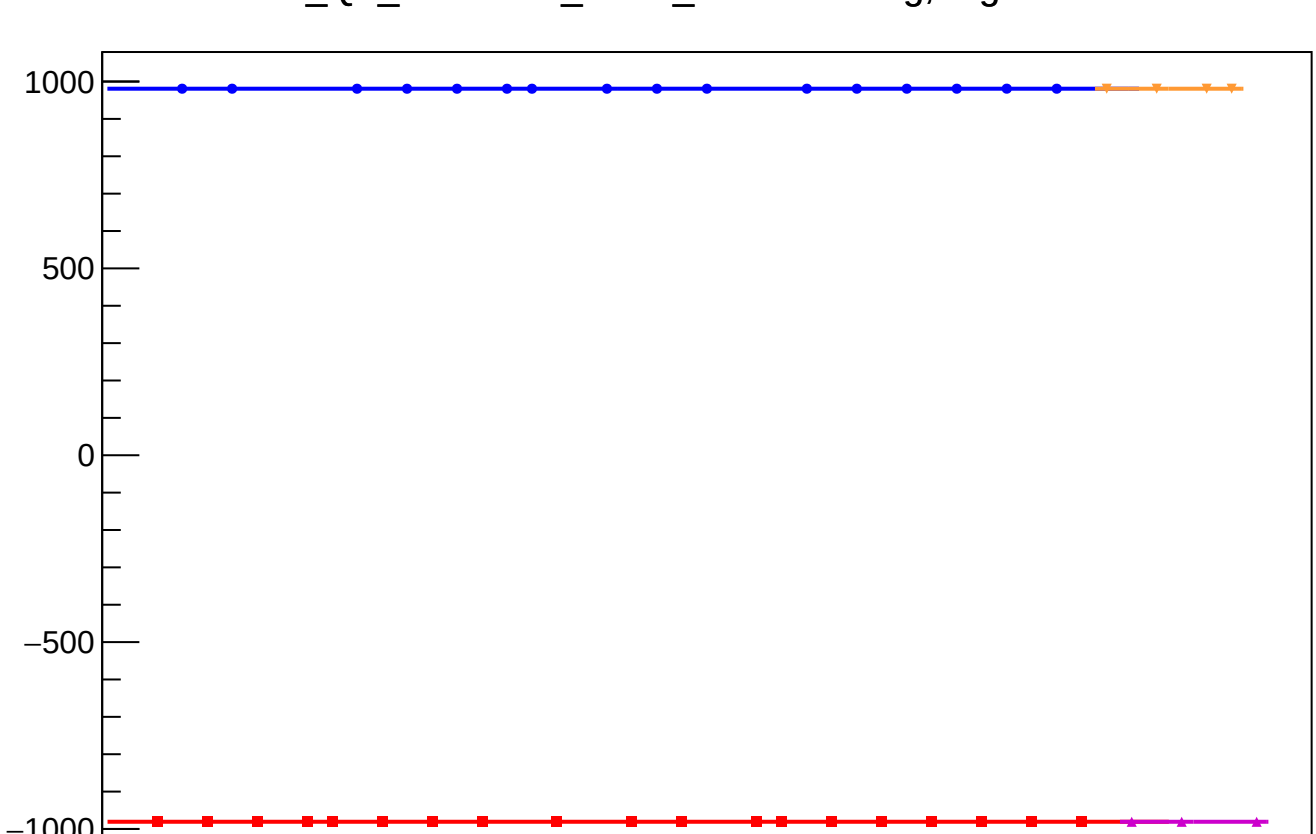
Left: 31.221+/-0.000 χ^2/NDF: 312866770526764 82

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

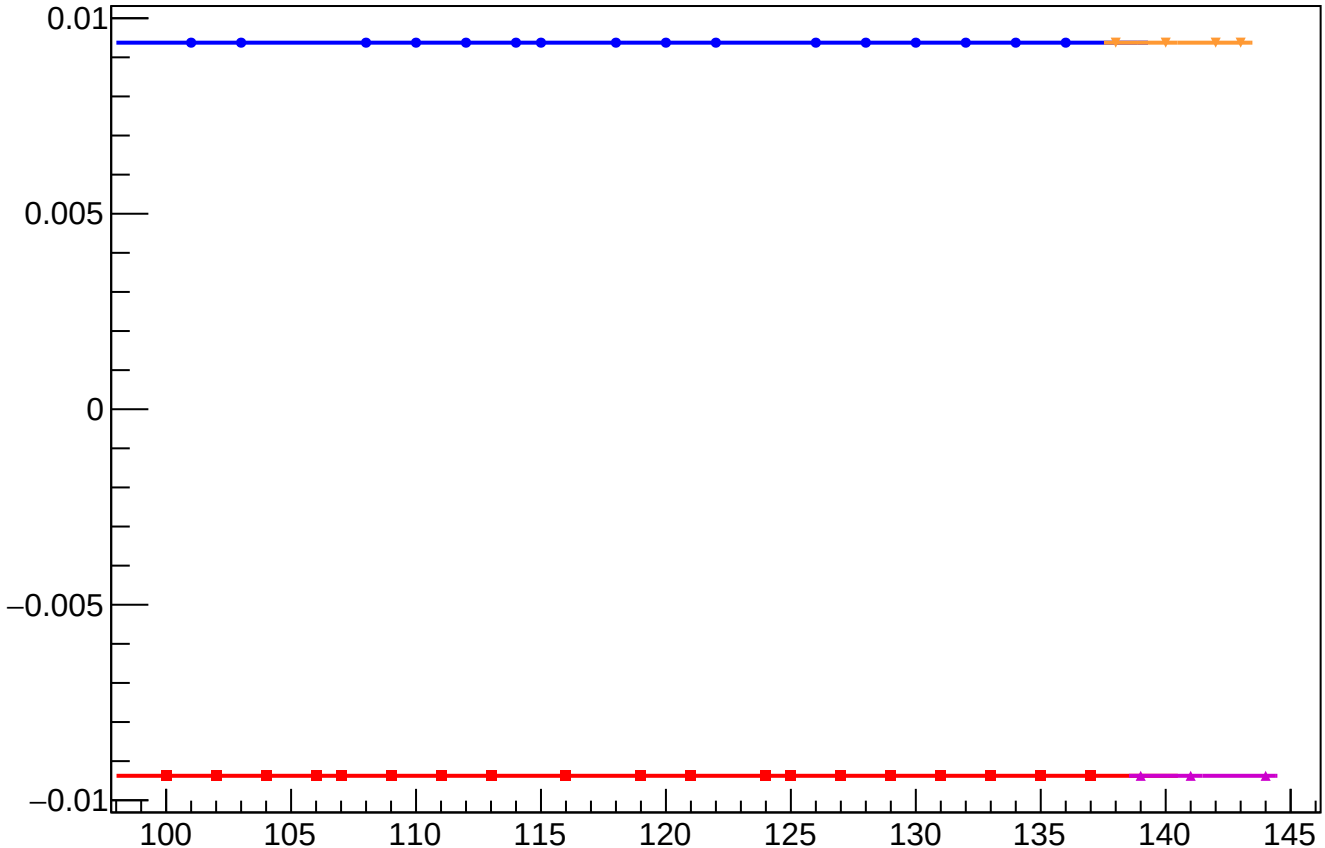
In: 342.273+/-0.000 χ^2/NDF:438816066173079 48

Out: -326.028+/-0.000 χ^2/NDF:47023862444585 4

All: 0.711+/-0.000 χ^2/NDF: 1140516545434 1


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
145
Left: 41.295+/-0.000 χ²/NDF: 54730863723541747
Right In: 980.804+/-0.000 χ²/NDF: 933313276884807786774245933056.0/15
Right: -14.307+/-0.000 χ²/NDF: 1446386008808569
Left Out: 980.762+/-0.000 χ²/NDF:20521900974520299311889121 28.0/3
In: 452.690+/-0.000 χ²/NDF:76762533613993732
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705 92.0/18
Out: -431.138+/-0.000 χ²/NDF:822519301061357
Left In: -980.763+/-0.000 χ²/NDF:859389189379556047759343616.0/2
All: 0.974+/-0.000 χ²/NDF: 1994972518447

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/2

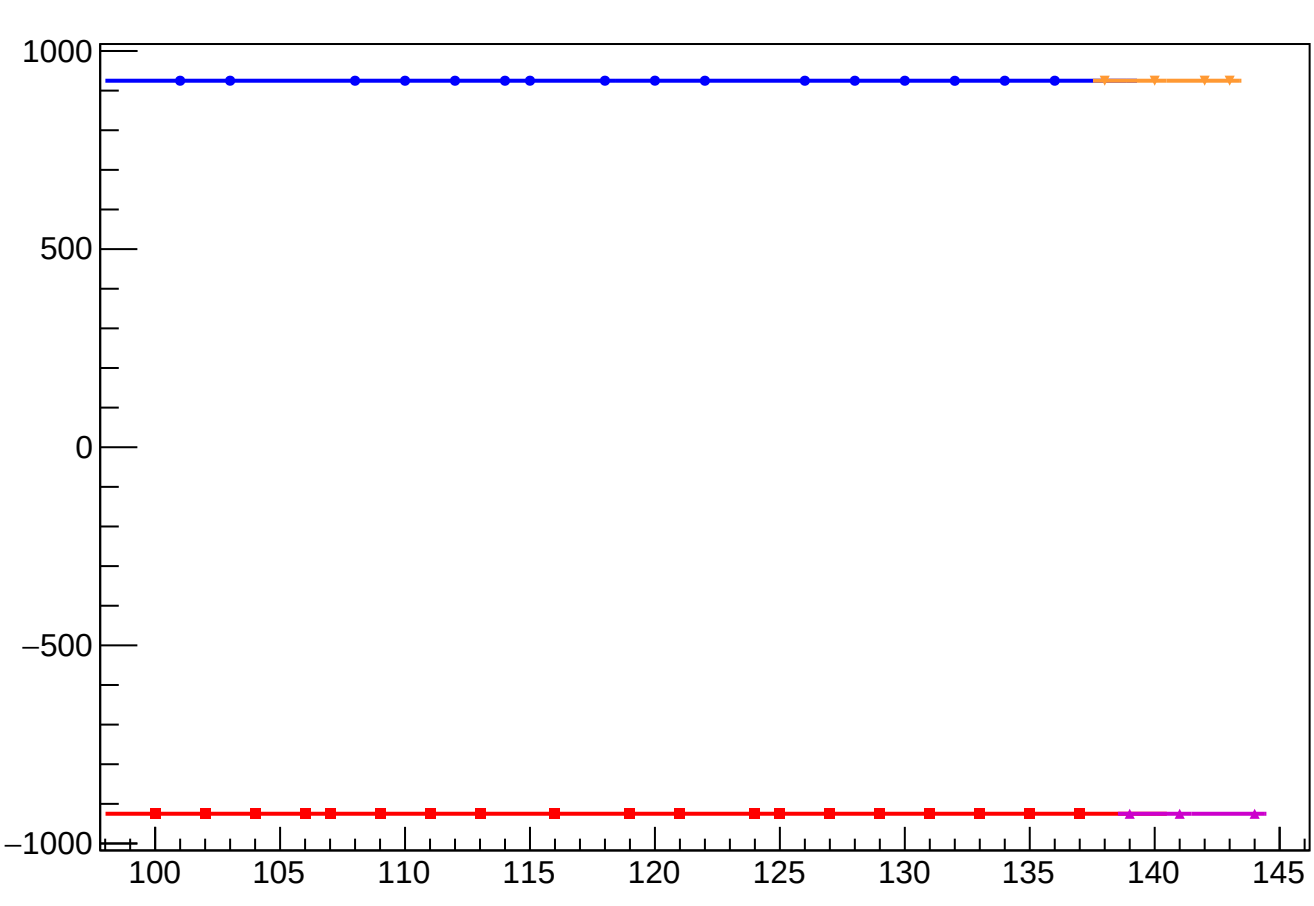
Left: 0.000+/-0.000 χ^2/NDF: 500088404605261477

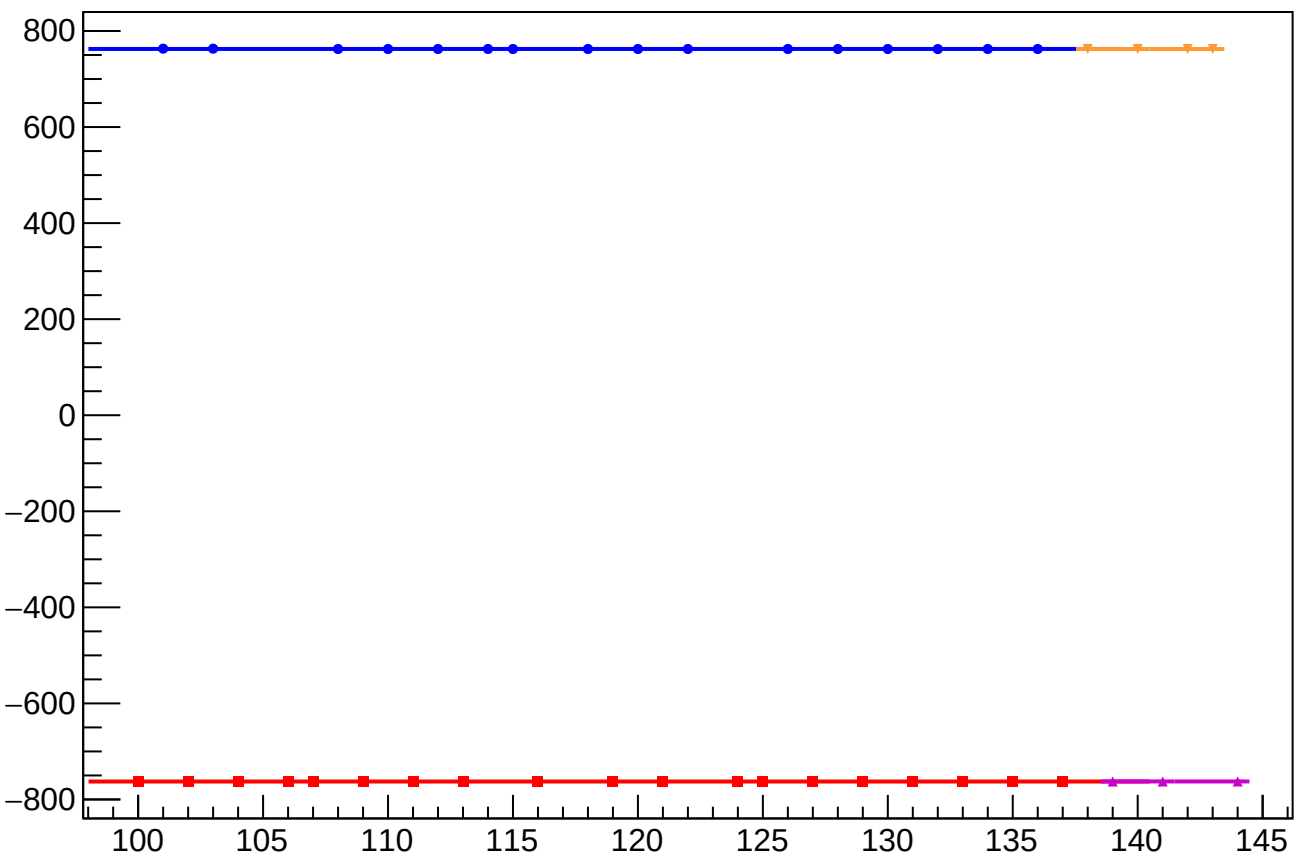
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.004+/-0.000 χ^2/NDF:701367187499998568

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 1822849867405


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
145
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Left Out: 924.988+/-0.000 χ²/NDF:1179852977164938619429175951 36.0/3
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183206 4.0/18
Left In: -925.005+/-0.000 χ²/NDF:628200033317452715087091466 24.0/2
Left: 38.939+/-0.000 χ²/NDF: 4868378783518741
Right: -13.534+/-0.000 χ²/NDF: 128650155911450
In: 426.897+/-0.000 χ²/NDF:68276718871954197
Out: -406.636+/-0.000 χ²/NDF:731645841438339
All: 0.887+/-0.000 χ²/NDF: 1774477558101



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.490+/-0.000 χ^2/NDF:1327693102705916820546230681 6.0/3

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.489+/-0.000 χ^2/NDF:702366001595765299588209049 6.0/2

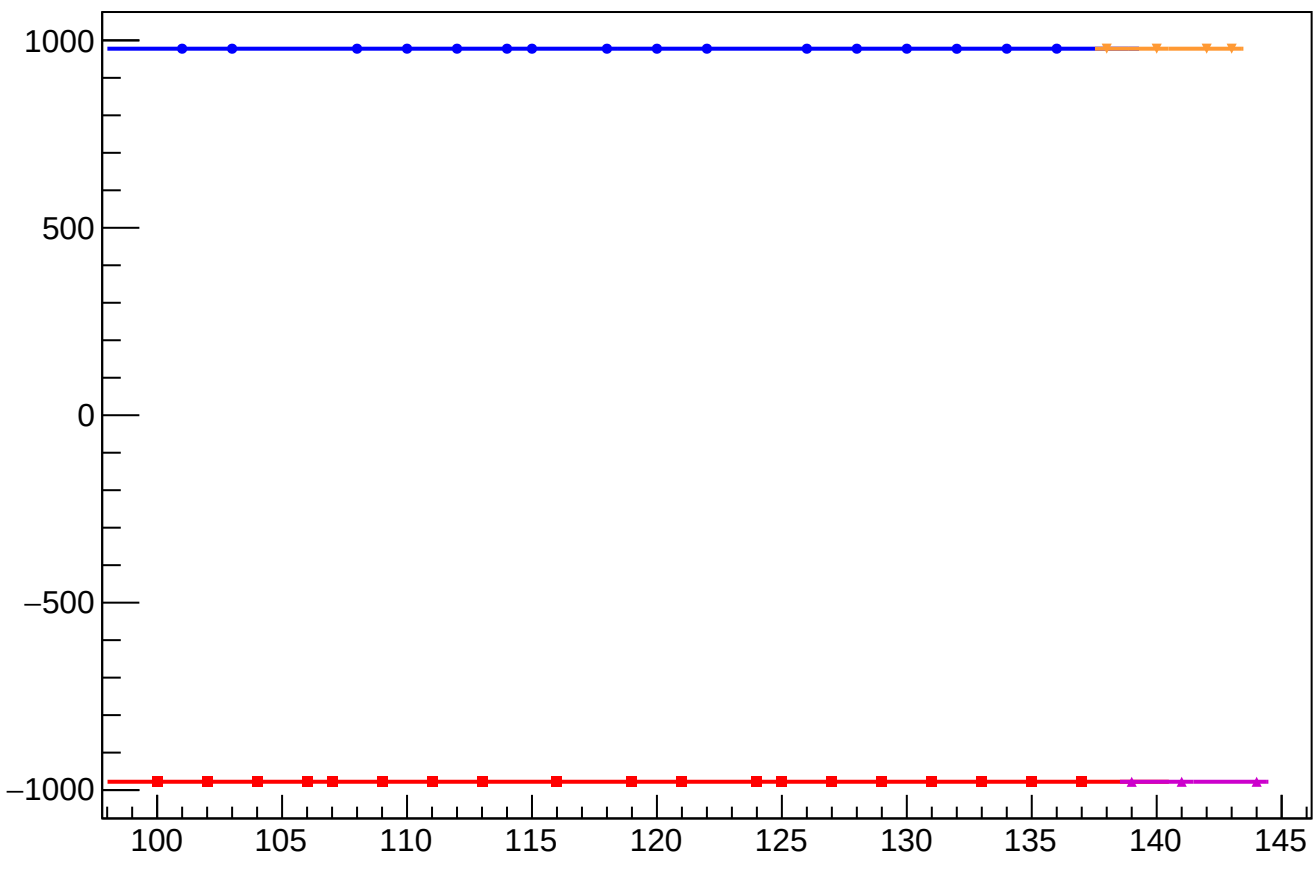
Left: 32.105+/-0.000 χ^2/NDF: 3308048884569658

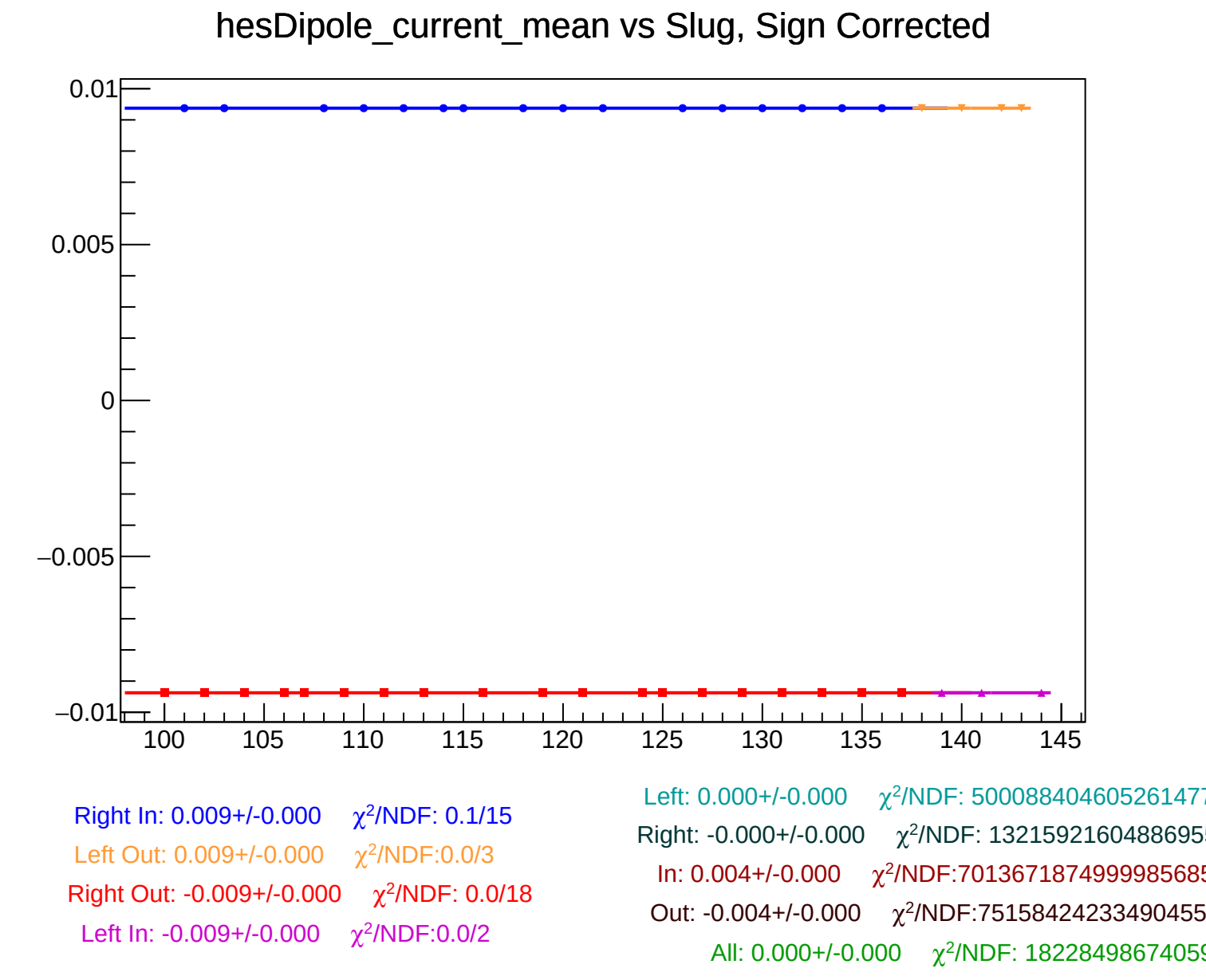
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

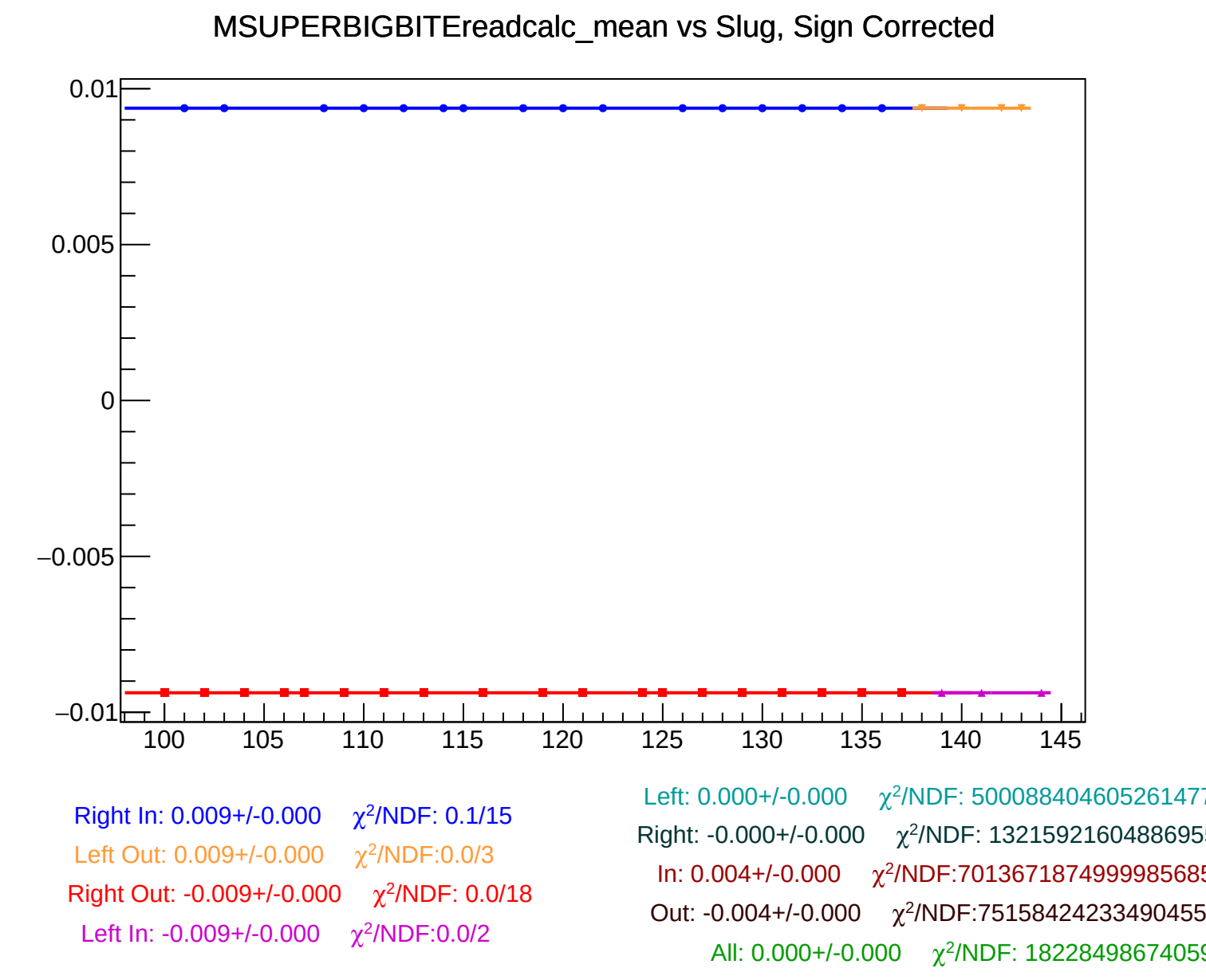
In: 352.007+/-0.000 χ^2/NDF:4640229045881579

Out: -335.300+/-0.000 χ^2/NDF:497251769475139

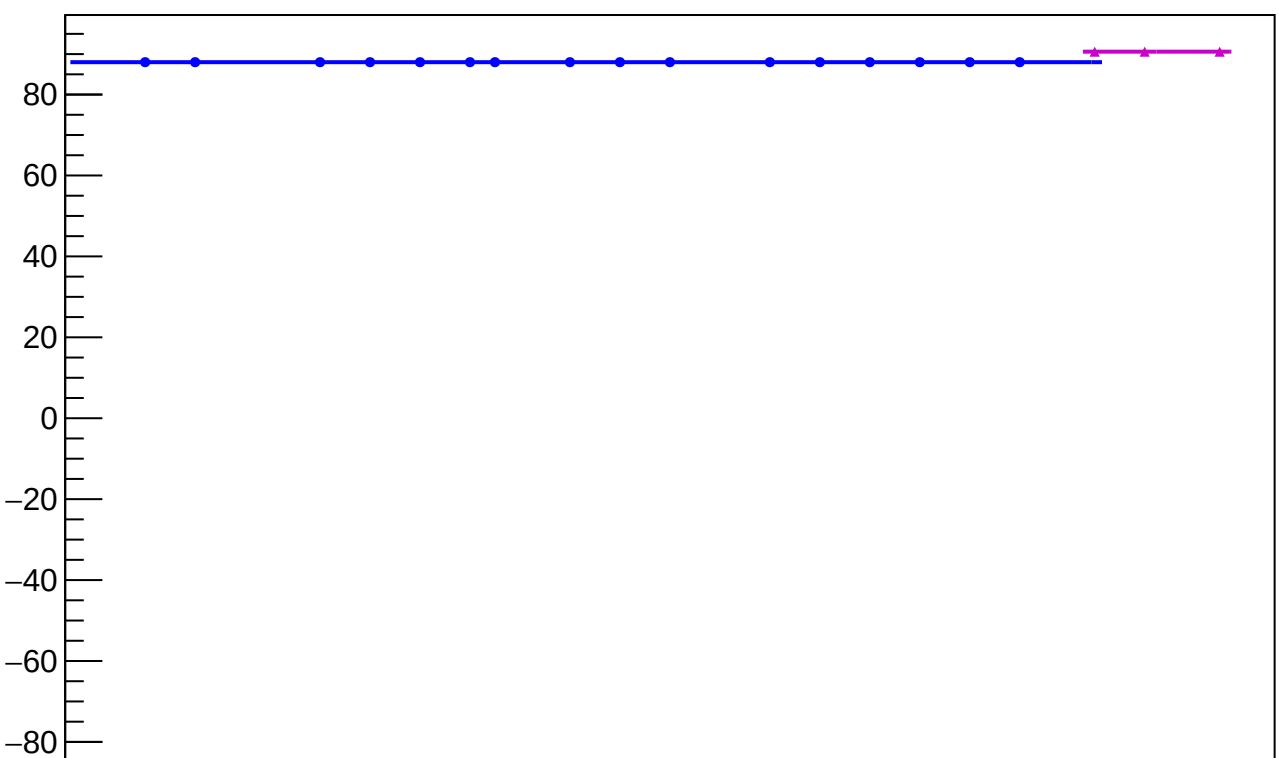
All: 0.731+/-0.000 χ^2/NDF: 1206088861073


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
145
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.769+/-0.000 χ²/NDF:32203140604949140519386506854 4.0/3
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: -977.773+/-0.000 χ²/NDF:54367464477098981450588356608 0.0/2
Left: 41.167+/-0.000 χ²/NDF: 5439746382995872
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: 451.262+/-0.000 χ²/NDF:76290174946847487
Out: -429.834+/-0.000 χ²/NDF:817519101989744
All: 0.943+/-0.000 χ²/NDF: 19827501685921


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/3
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/2
Left: 0.000+/-0.000 χ²/NDF: 500088404605261477
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.004+/-0.000 χ²/NDF:701367187499998568
Out: -0.004+/-0.000 χ²/NDF:75158424233490455
All: 0.000+/-0.000 χ²/NDF: 1822849867405


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/3
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/2
Left: 0.000+/-0.000 χ²/NDF: 500088404605261477
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.004+/-0.000 χ²/NDF:701367187499998568
Out: -0.004+/-0.000 χ²/NDF:75158424233490455
All: 0.000+/-0.000 χ²/NDF: 1822849867405

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:2520315.9/3

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:385317.5/2

Left: -3.815+/-0.000 χ^2/NDF: 46703979436766799

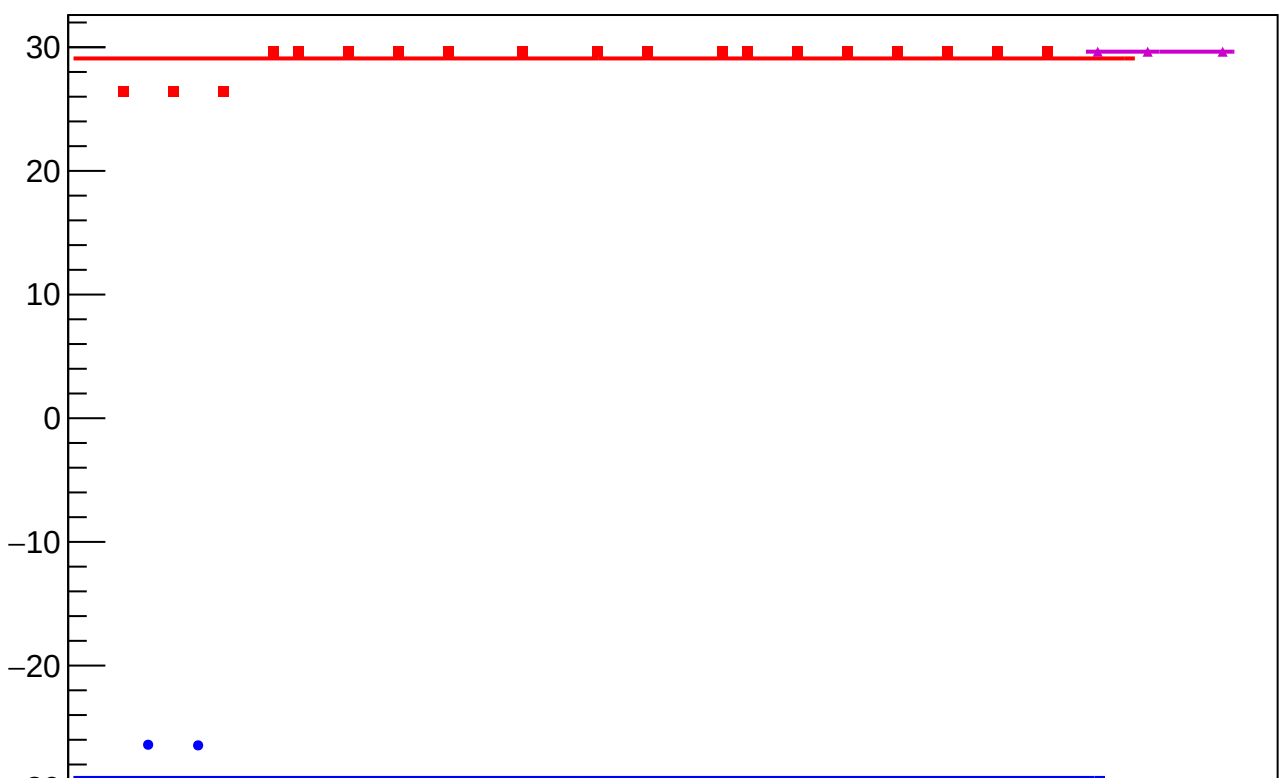
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.700+/-0.000 χ^2/NDF:134716155076880973

Out: -88.731+/-0.000 χ^2/NDF:1440687565349641

All: -1.983+/-0.000 χ^2/NDF: 1631806339144

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:147939.8/3

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:10753.8/2

Left: -1.248+/-0.000 χ^2/NDF: 49989781119379801

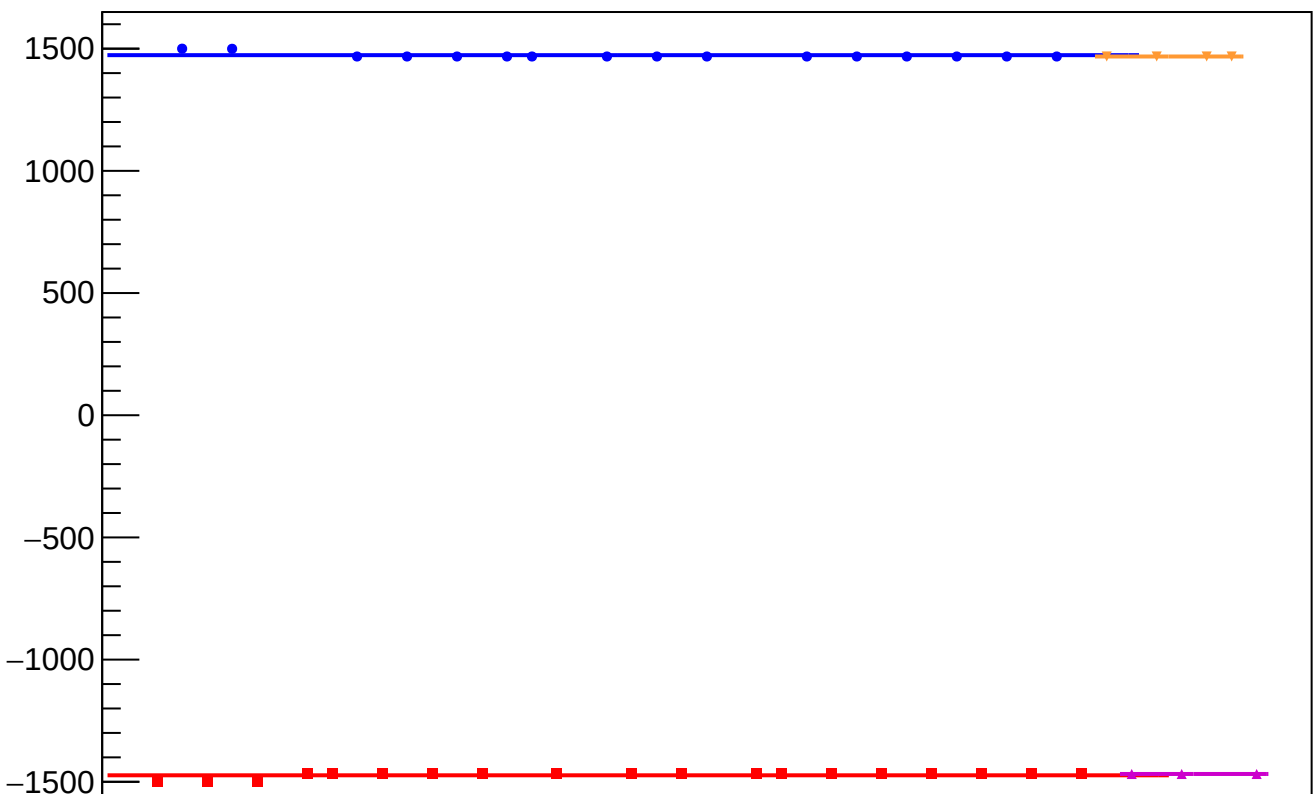
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -13.275+/-0.000 χ^2/NDF:689121015786143 81

Out: 12.636+/-0.000 χ^2/NDF:738602573374993 21

All: -0.032+/-0.000 χ^2/NDF: 177566143823 5

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:238848401.9/3

Right Out: -1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:43426982.2/2

Left: 61.810+/-0.000 χ^2/NDF: 12261513861111833

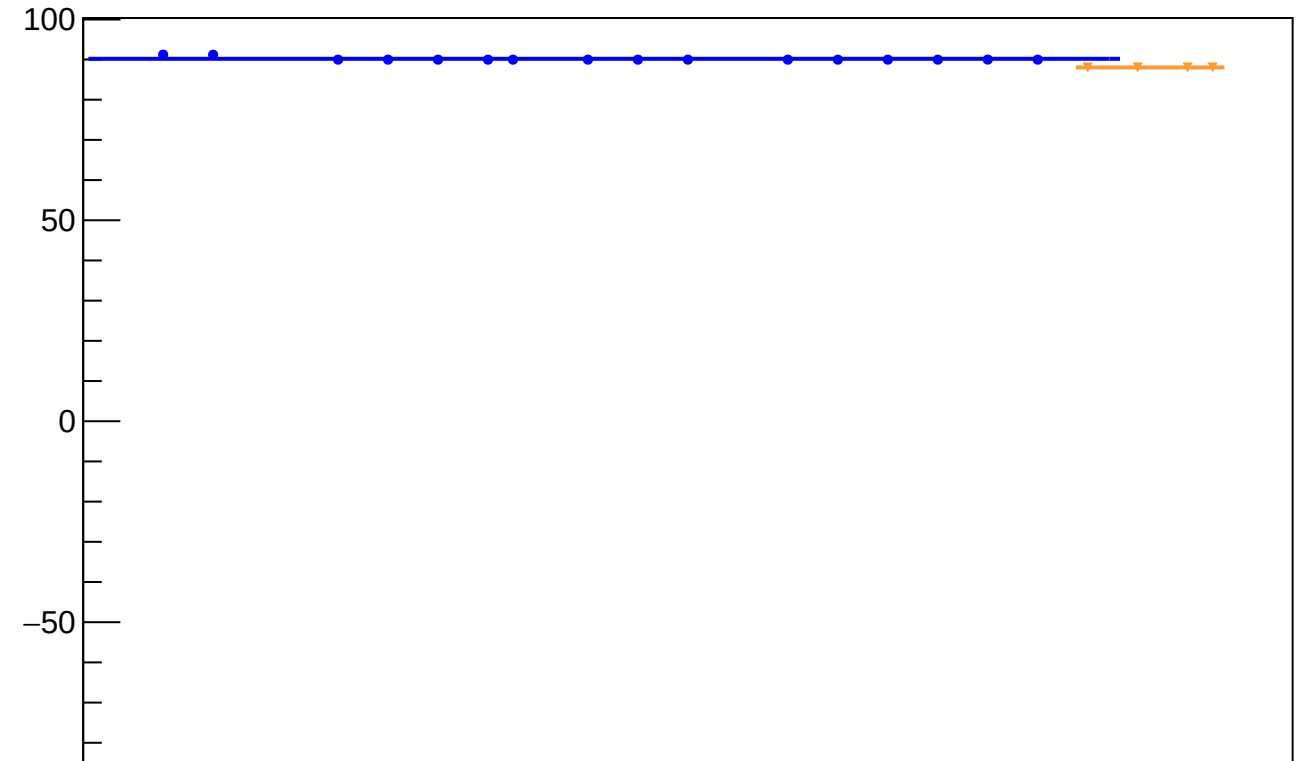
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 681.539+/-0.000 χ^2/NDF:17262026281041804

Out: -649.254+/-0.000 χ^2/NDF:184969858828502

All: 1.385+/-0.000 χ^2/NDF: 4493718680882

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:2231327.8/3

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:266571.9/2

Left: 3.706+/-0.000 χ^2/NDF: 440832798348517156

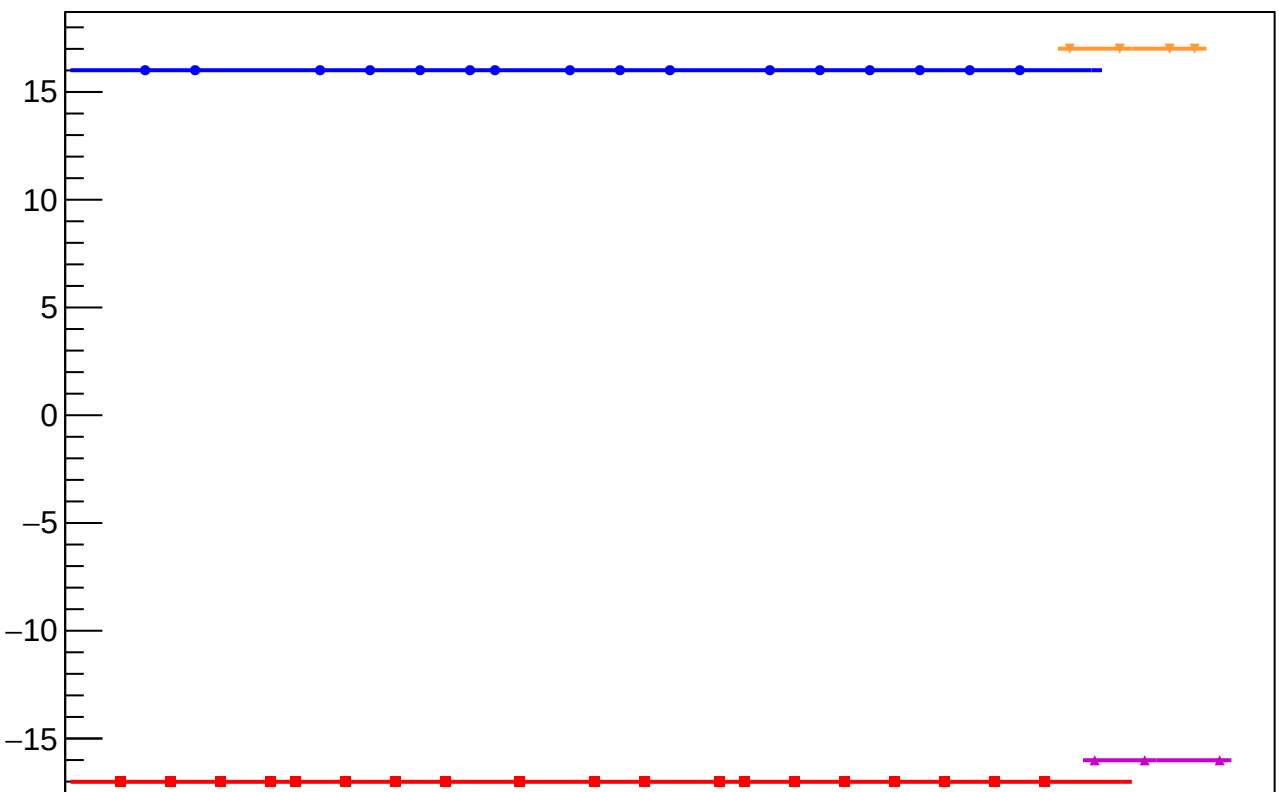
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 42.198+/-0.000 χ^2/NDF:633486540960213272

Out: -40.242+/-0.000 χ^2/NDF:6788136980133955

All: 0.063+/-0.000 χ^2/NDF: 16645162524558

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:92173246199212508027289 6.0/3

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:24385.3/2

Left: 0.532+/-0.000 χ^2/NDF: 140911685282814183

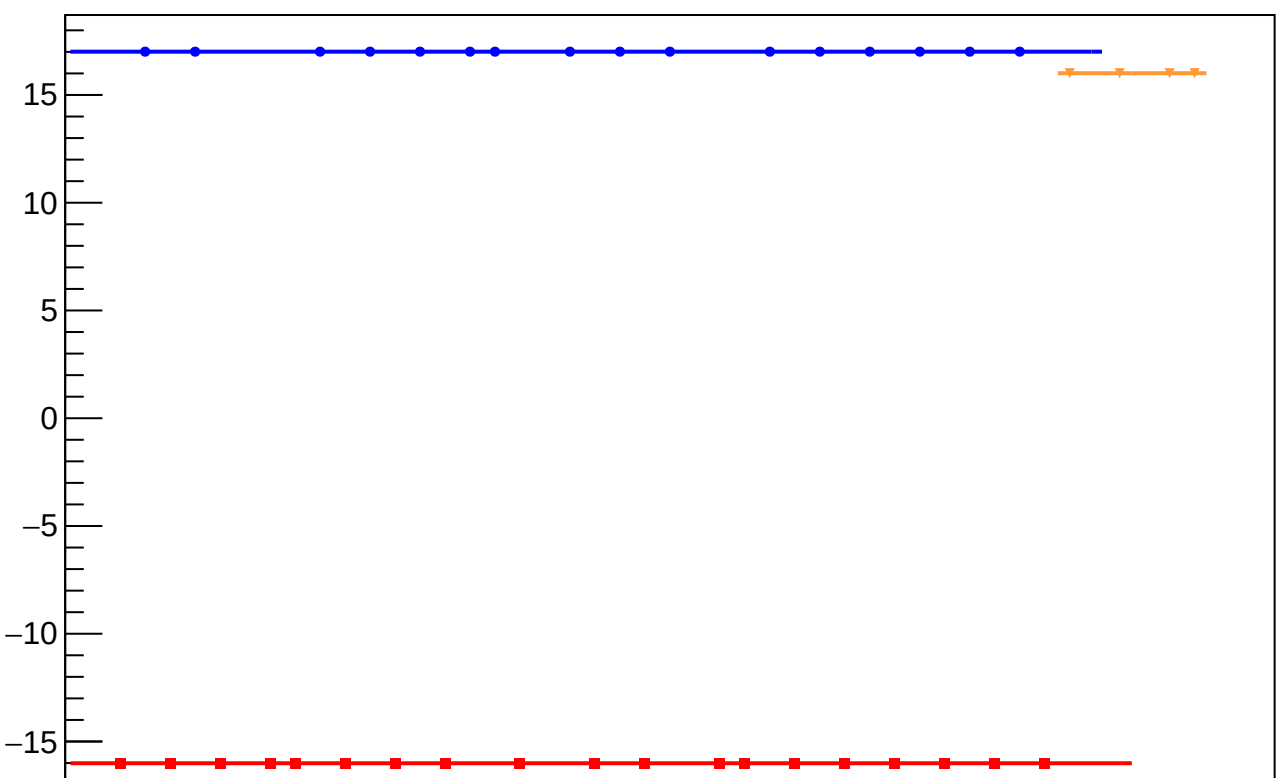
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 7.404+/-0.000 χ^2/NDF:193416861326660445

Out: -7.754+/-0.000 χ^2/NDF:21818624606494447

All: -0.143+/-0.000 χ^2/NDF: 5214371989410

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:26164.9/3

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:2385.5/2

Left: 0.195+/-0.000 χ^2/NDF: 155083465337787803

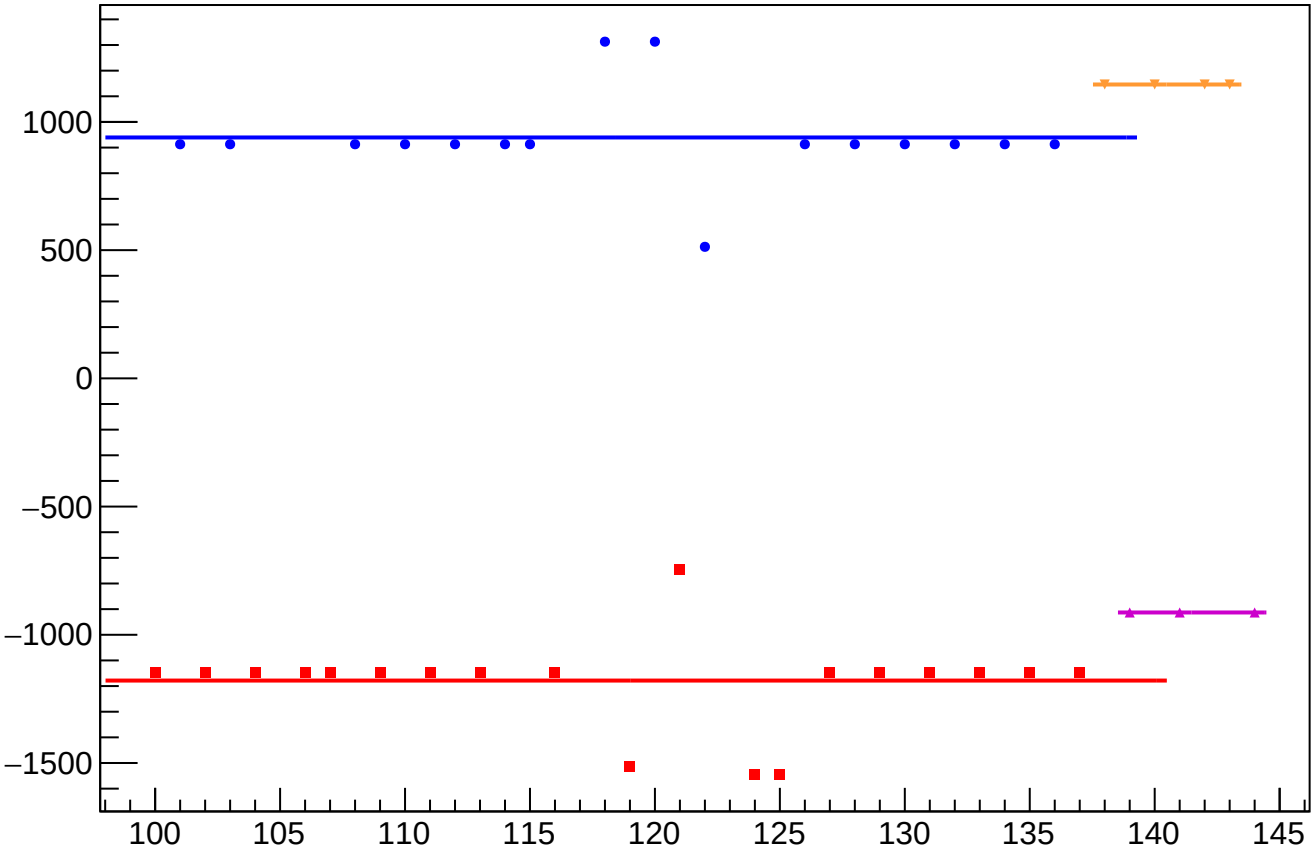
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 7.533+/-0.000 χ^2/NDF:227925380490234230

Out: -7.004+/-0.000 χ^2/NDF:21884823754760783

All: -0.007+/-0.000 χ^2/NDF: 5541852540342

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

Left Out: 1146.012+/-0.000 χ^2/NDF:1297785288529951922990350336.0/3

Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415 68.0/18

Left In: -912.994+/-0.000 χ^2/NDF:713579501333807390068310016 0.0/2

Left: 159.856+/-0.000 χ^2/NDF: 6030587001139223

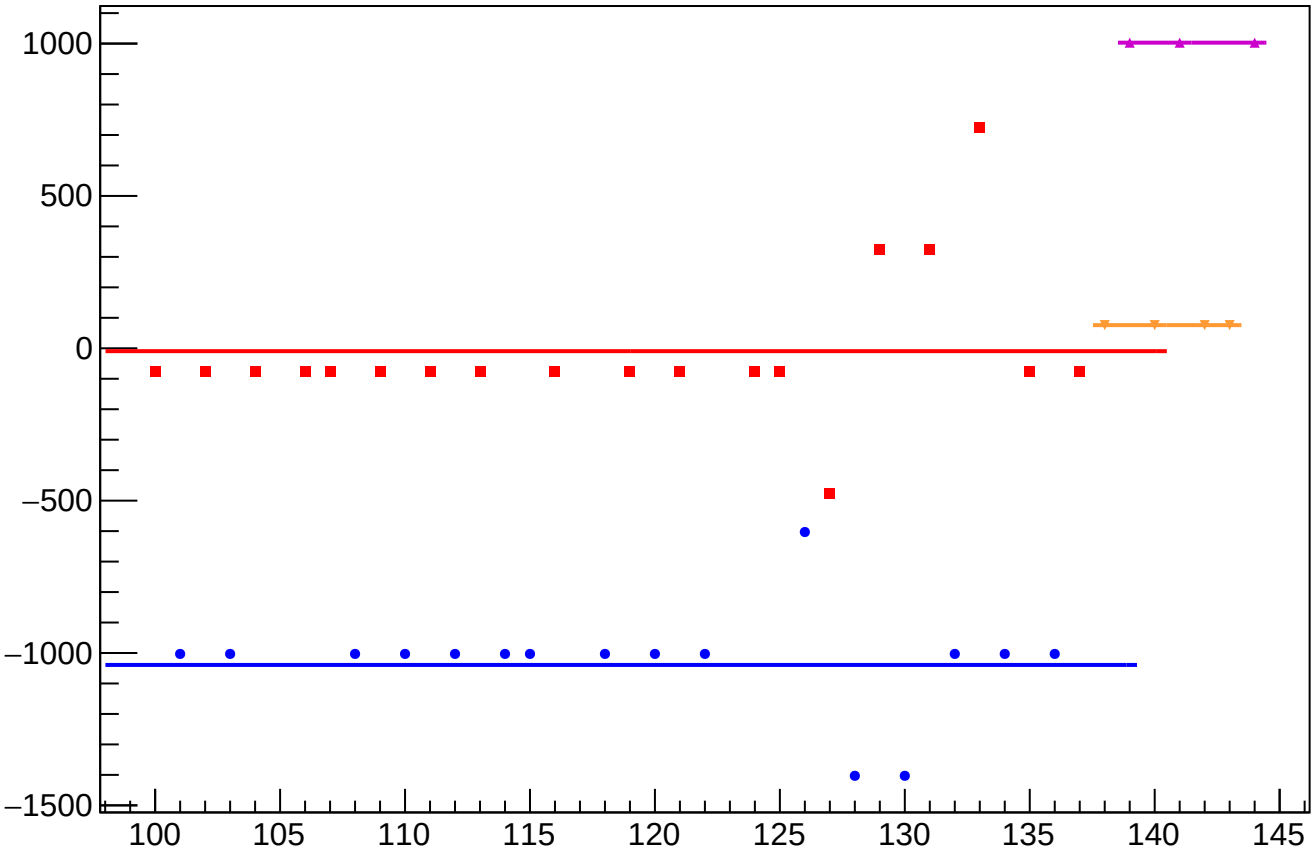
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: 440.712+/-0.000 χ^2/NDF:7056743530439252 8

Out: -527.208+/-0.000 χ^2/NDF:117730395740946

All: -53.982+/-0.000 χ^2/NDF: 236850559366

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 519.985+/-0.000 χ^2/NDF: 1222314307638089

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.012+/-0.000 χ^2/NDF:19651220502375647446701178888.0/3

In: -489.348+/-0.000 χ^2/NDF:8548572813861979

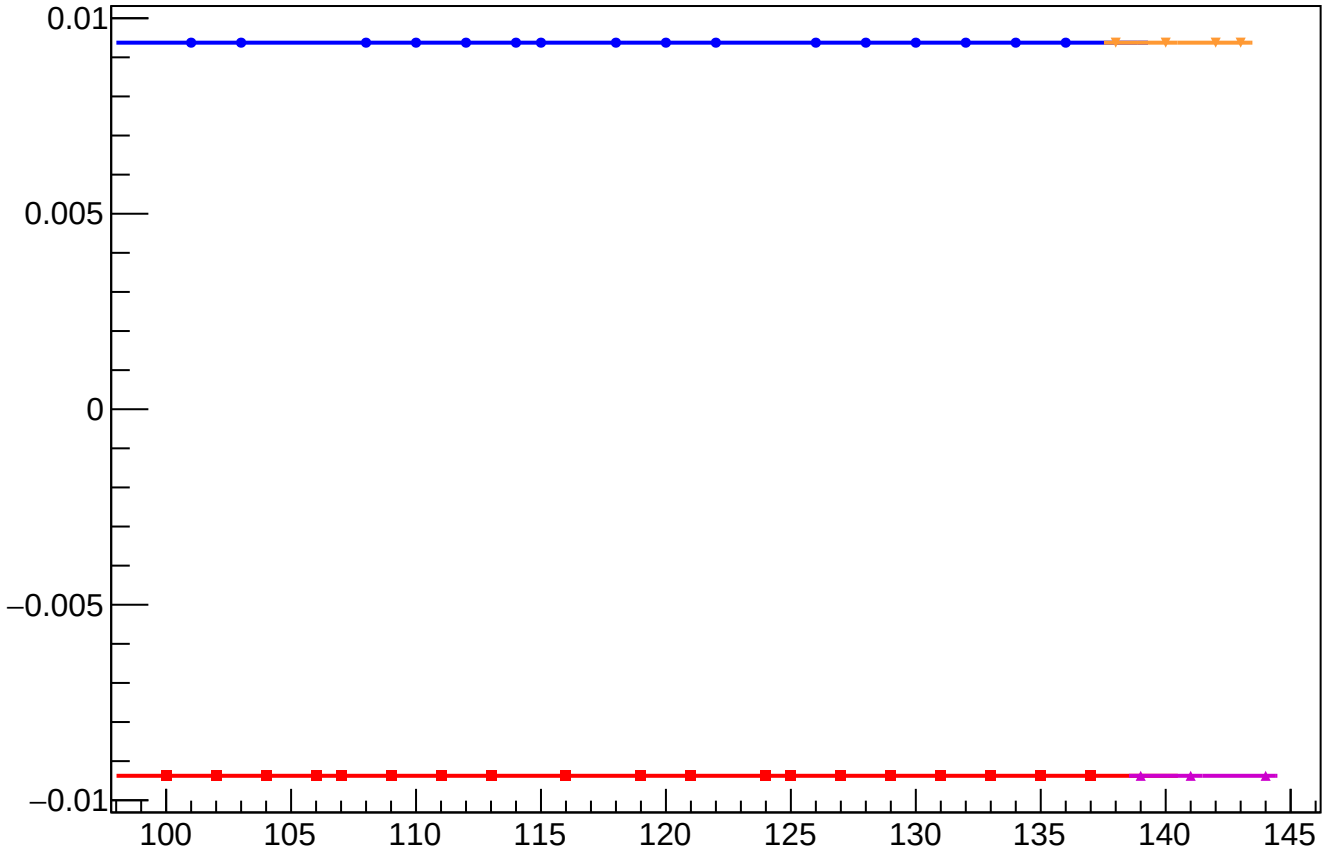
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 14.510+/-0.000 χ^2/NDF:47618069121416554

Left In: 1002.989+/-0.000 χ^2/NDF:59637093996613338732167168 0.0/2

All: -231.831+/-0.000 χ^2/NDF: 10340436763

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/2

Left: 0.000+/-0.000 χ^2/NDF: 500088404605261477

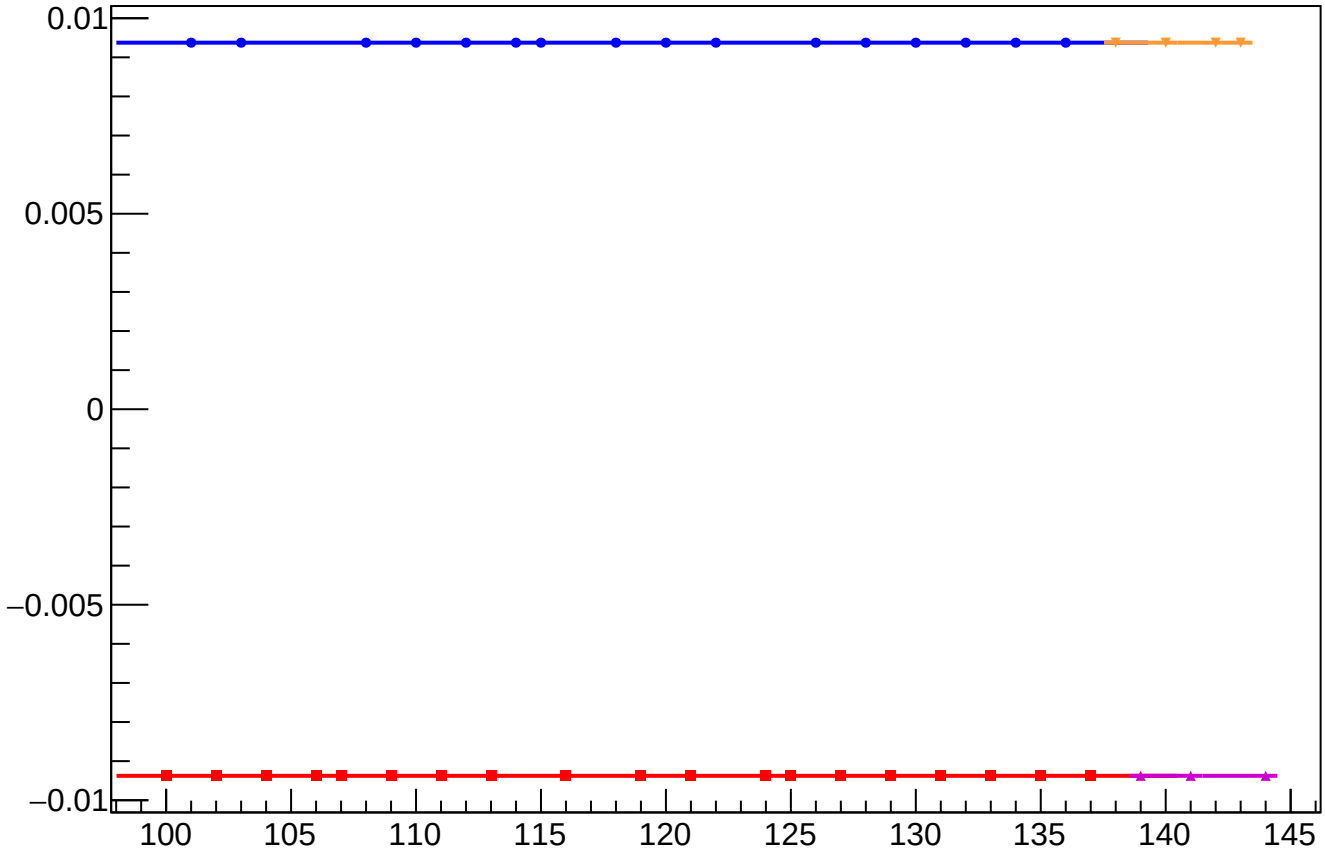
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.004+/-0.000 χ^2/NDF:701367187499998568

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 18228498674059

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/2

Left: 0.000+/-0.000 χ^2/NDF: 500088404605261477

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.004+/-0.000 χ^2/NDF:701367187499998568

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 1822849867405