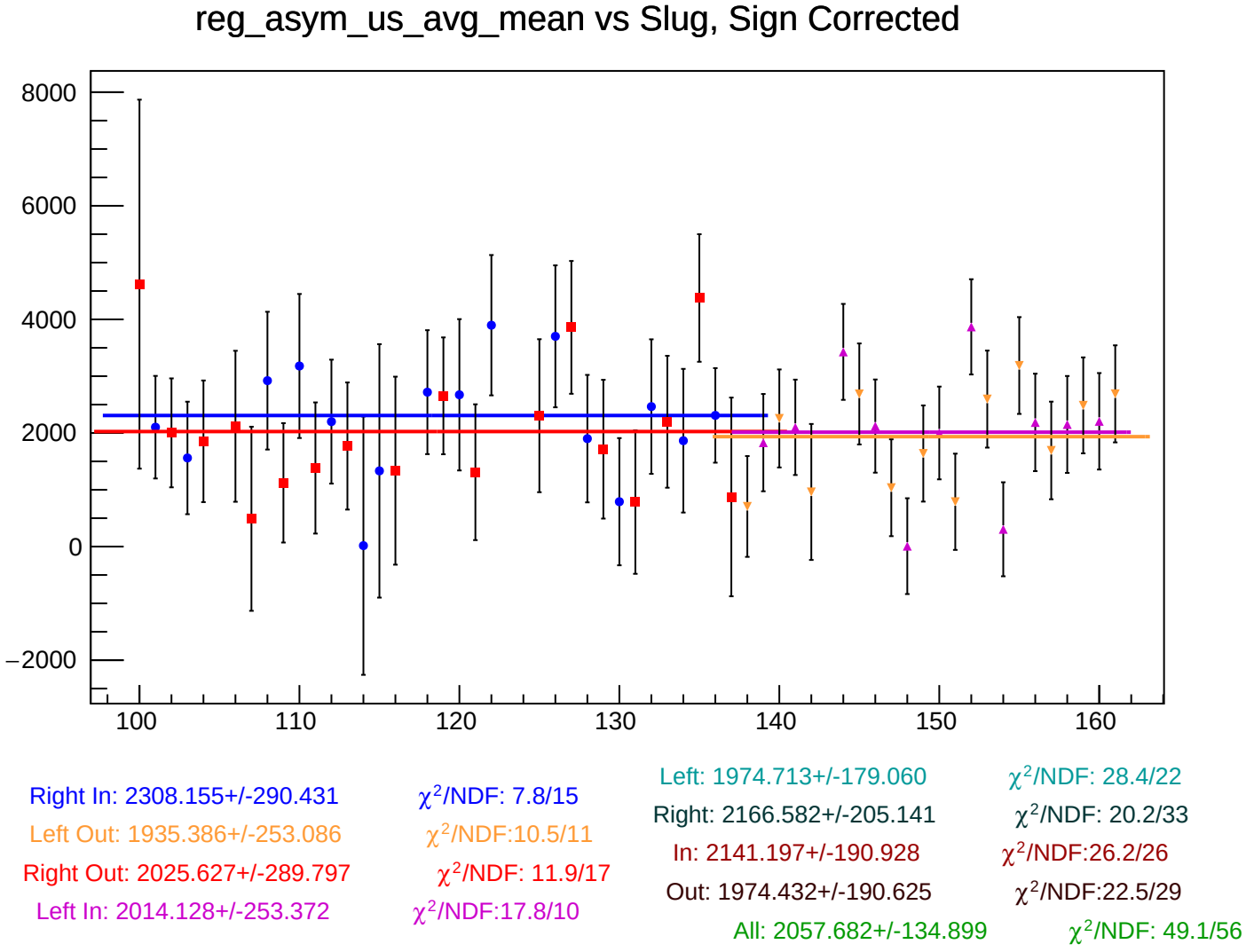
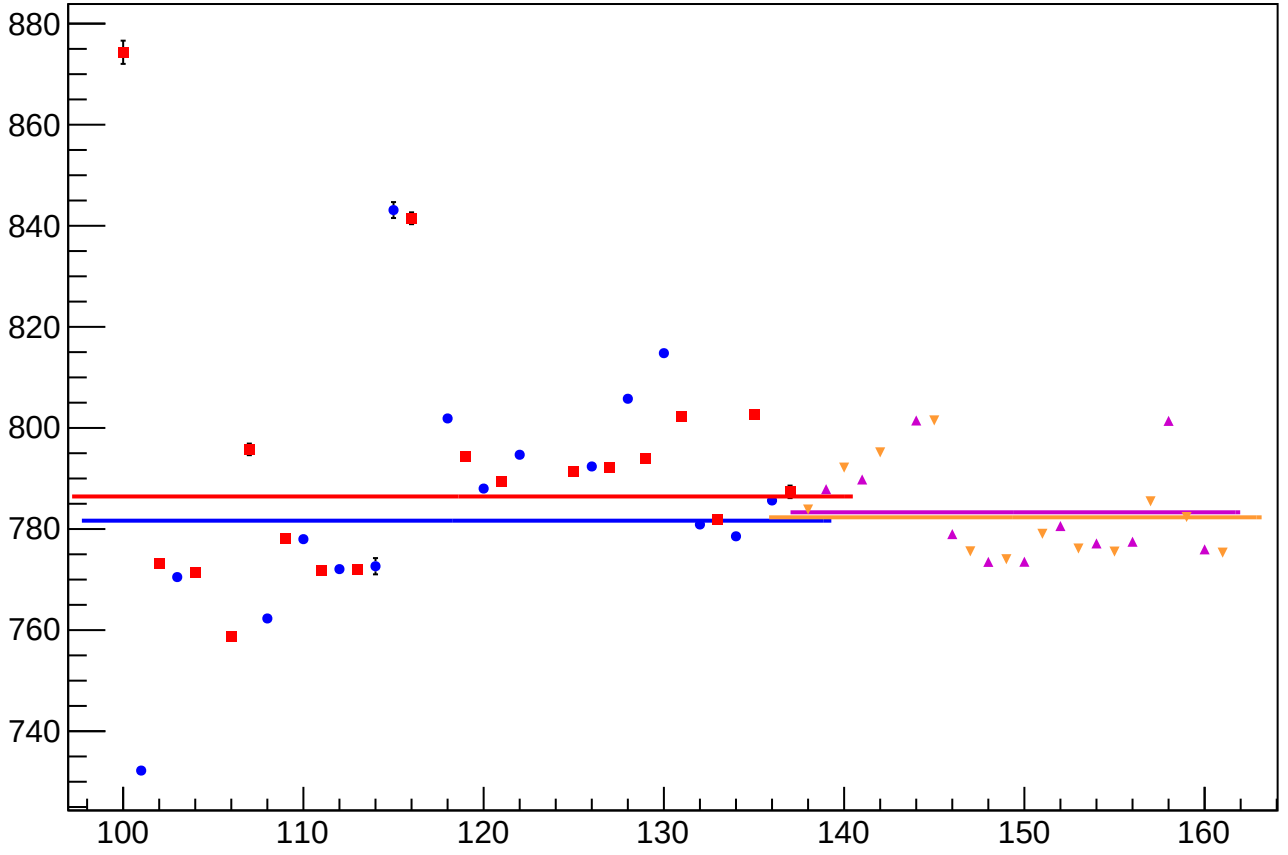

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1935.386+/-253.086
χ²/NDF:10.5/11
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2014.128+/-253.372
χ²/NDF:17.8/10
Left: 1974.713+/-179.060
χ²/NDF: 28.4/22
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2141.197+/-190.928
χ²/NDF:26.2/26
Out: 1974.432+/-190.625
χ²/NDF:22.5/29
All: 2057.682+/-134.899
χ²/NDF: 49.1/56

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

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

Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

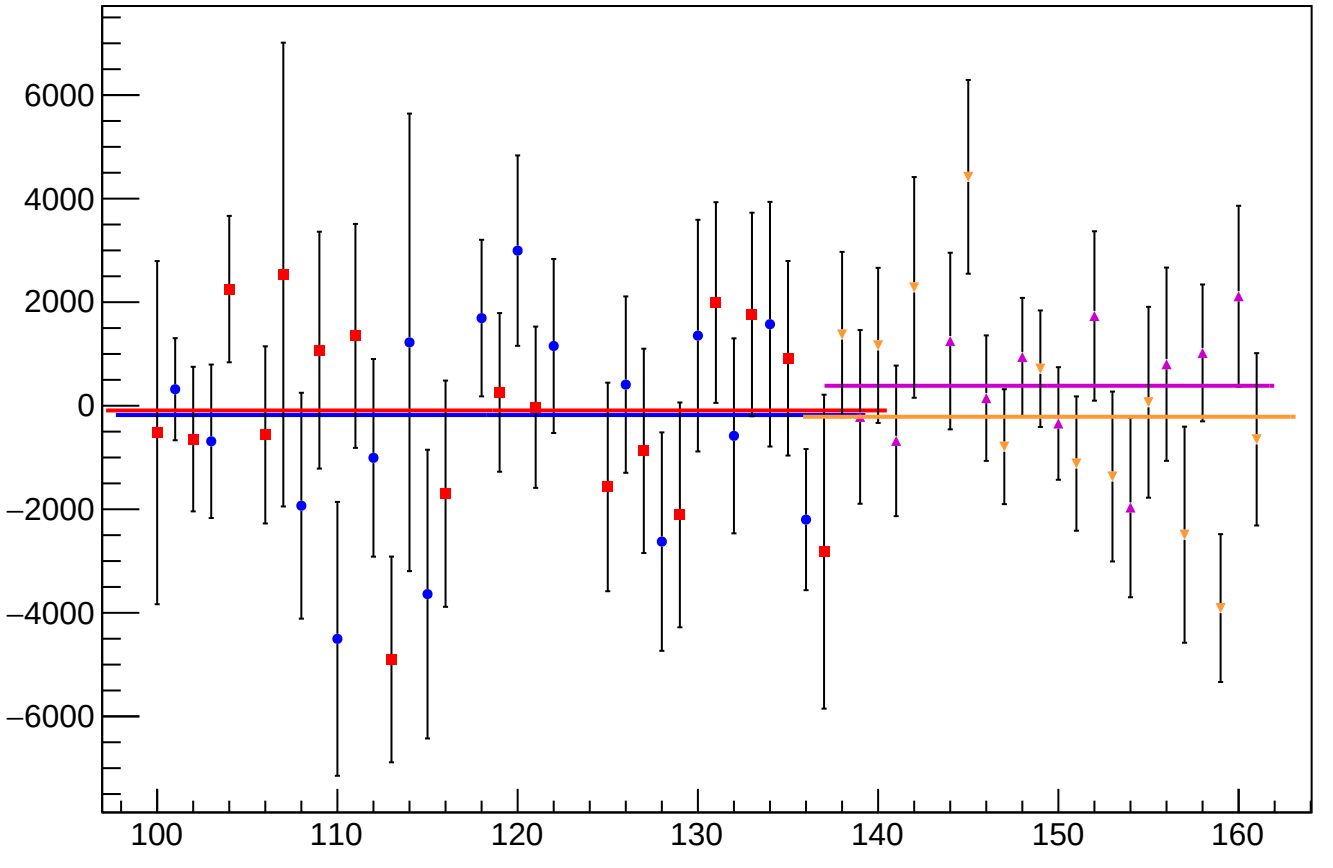
Left: 782.815+/-0.127 χ^2/NDF: 5166.4/22

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

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

Out: 784.103+/-0.135 χ^2/NDF:9595.9/29

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56



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

Left Out: -213.181+/-434.928 χ^2/NDF:19.3/11

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

Left In: 385.441+/-431.934 χ^2/NDF:5.4/10

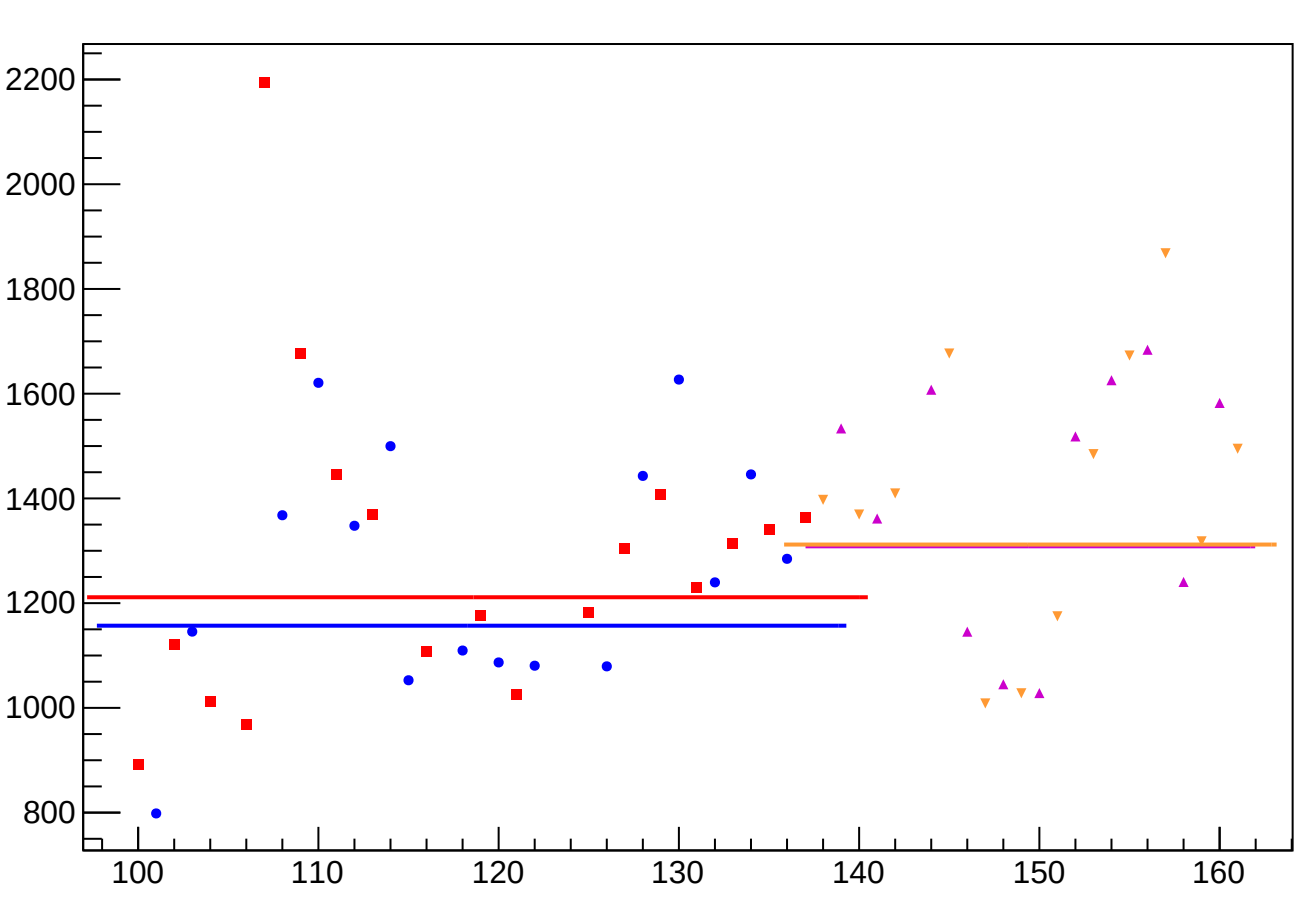
Left: 88.198+/-306.477 χ^2/NDF: 25.6/22

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

In: 108.481+/-308.500 χ^2/NDF:21.6/26

Out: -154.957+/-314.335 χ^2/NDF:34.5/29

All: -20.771+/-220.177 χ^2/NDF: 56.5/56



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

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

Left: 1310.195+/-0.217 χ^2/NDF: 1264193.4/22

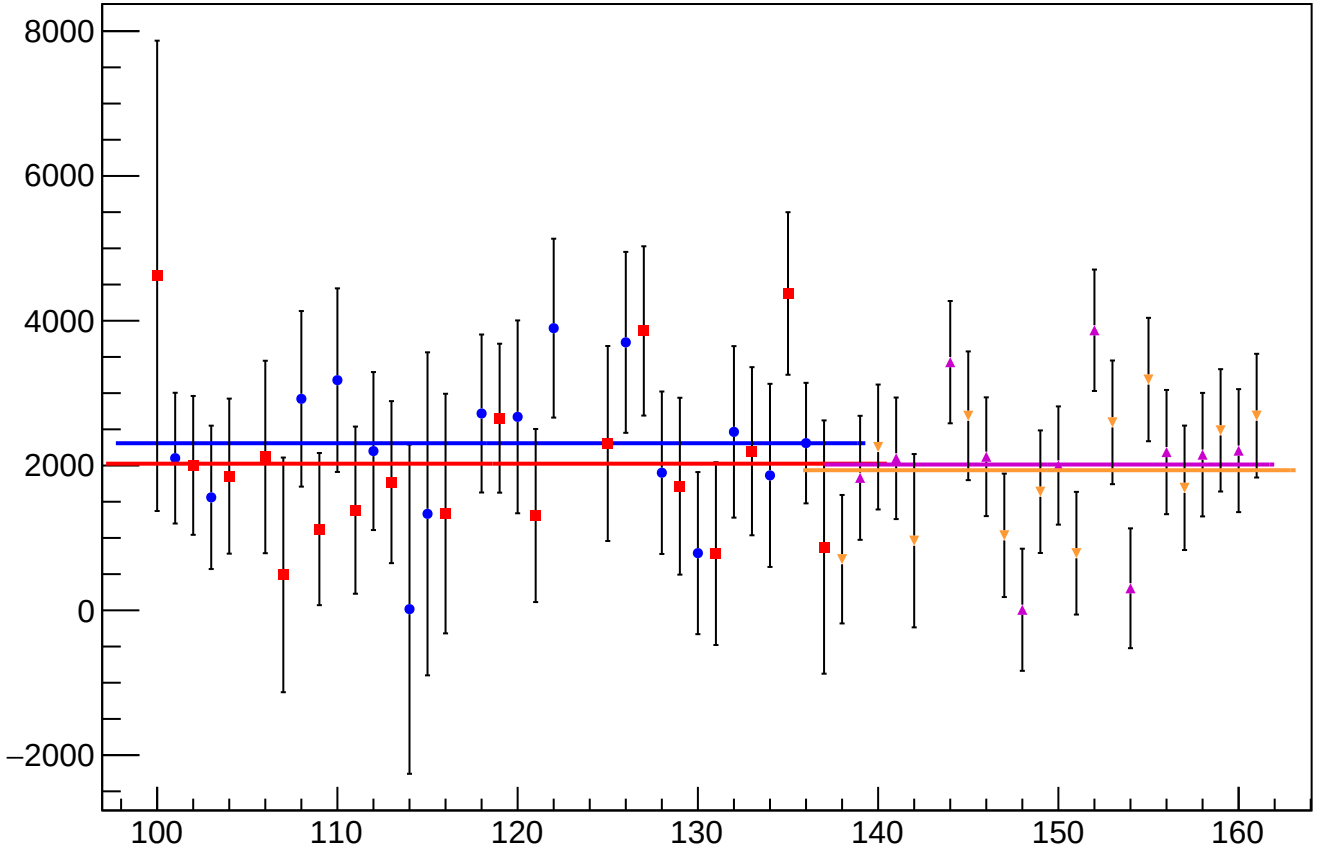
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1263.831+/-0.222 χ^2/NDF:1102106.9/29

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1935.386+/-253.086 χ^2/NDF:10.5/11

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

Left In: 2014.128+/-253.372 χ^2/NDF:17.8/10

Left: 1974.713+/-179.060 χ^2/NDF: 28.4/22

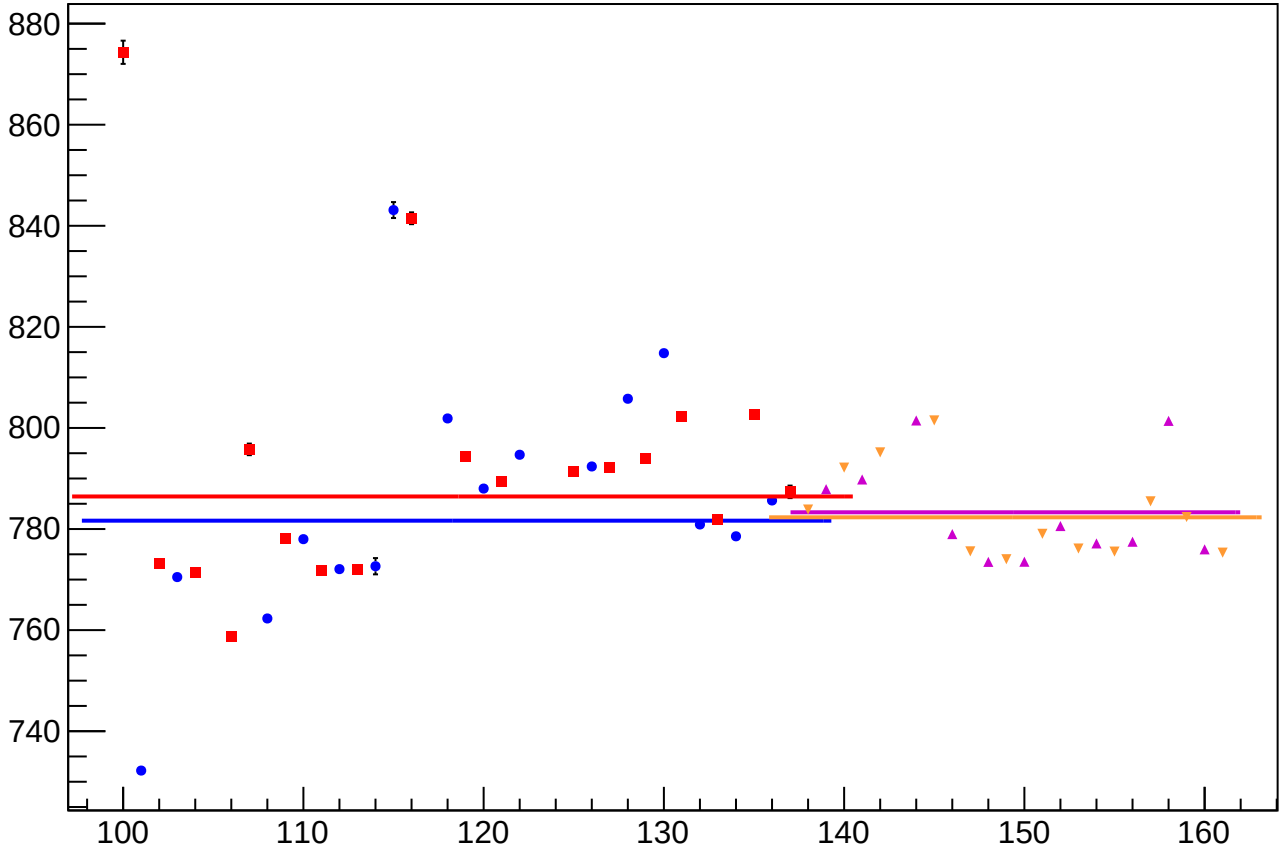
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1974.432+/-190.625 χ^2/NDF:22.5/29

All: 2057.682+/-134.899 χ^2/NDF: 49.1/56

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

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

Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

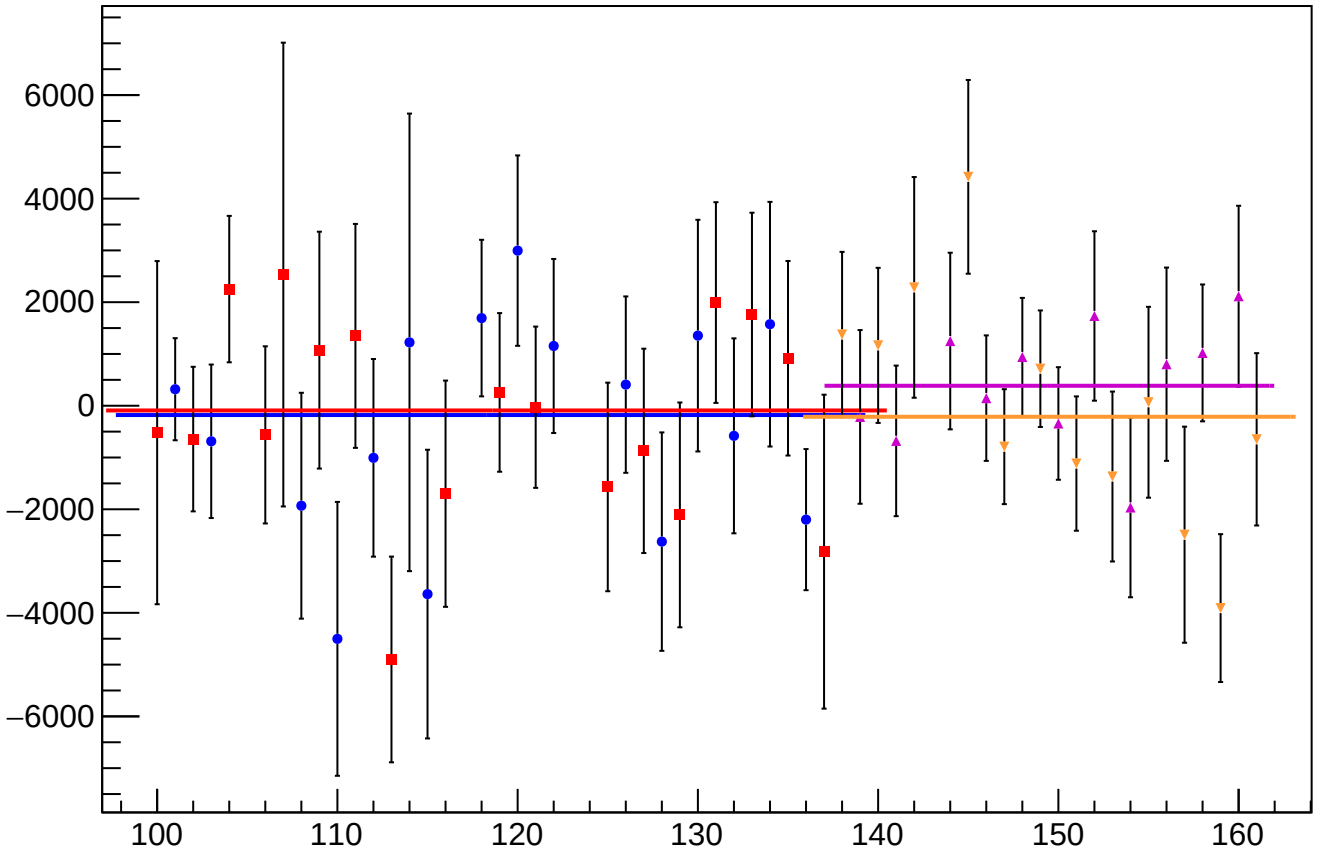
Left: 782.815+/-0.127 χ^2/NDF: 5166.4/22

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

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

Out: 784.103+/-0.135 χ^2/NDF:9595.9/29

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56



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

Left Out: -213.181+/-434.928 χ^2/NDF:19.3/11

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

Left In: 385.441+/-431.934 χ^2/NDF:5.4/10

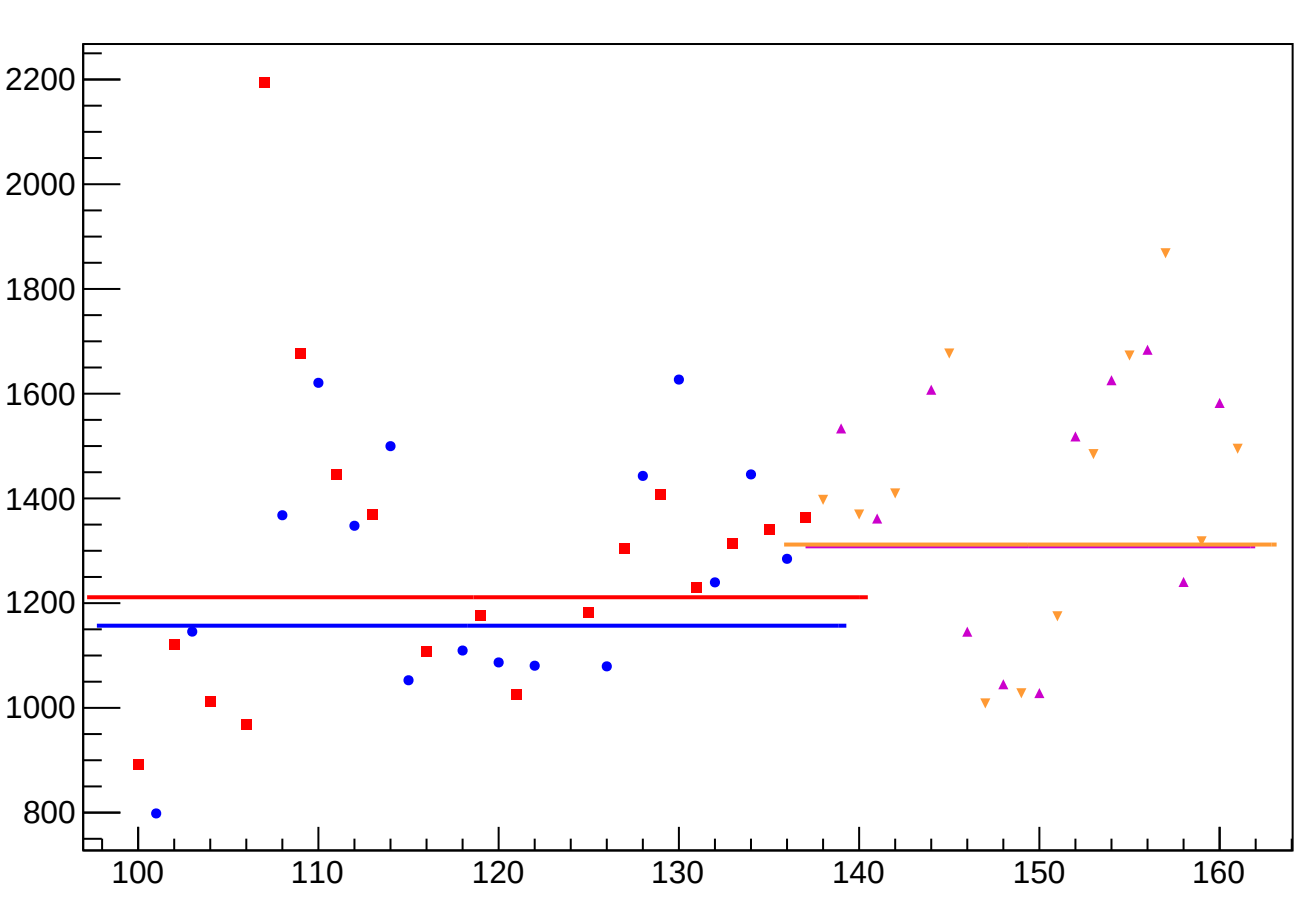
Left: 88.198+/-306.477 χ^2/NDF: 25.6/22

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

In: 108.481+/-308.500 χ^2/NDF:21.6/26

Out: -154.957+/-314.335 χ^2/NDF:34.5/29

All: -20.771+/-220.177 χ^2/NDF: 56.5/56



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

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

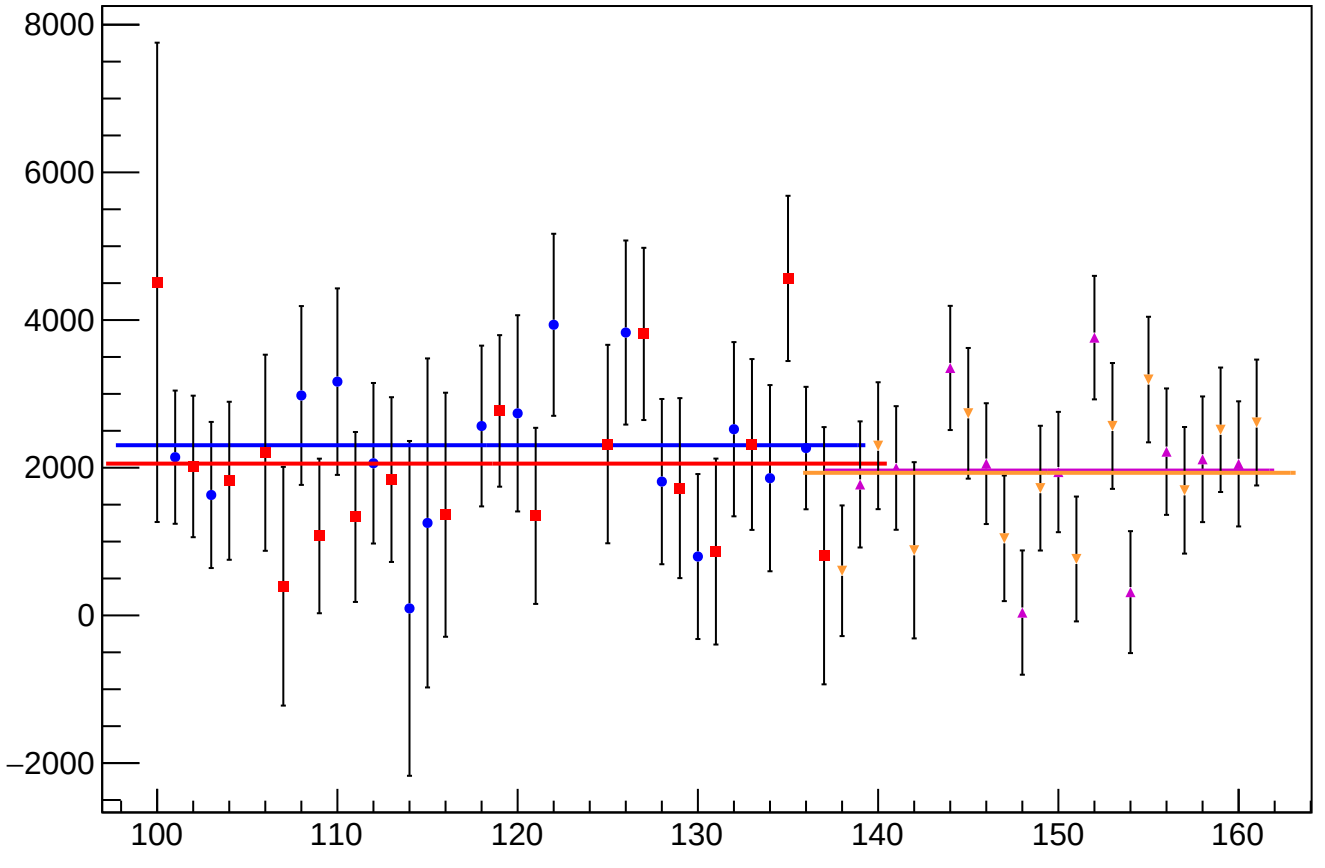
Left: 1310.195+/-0.217 χ^2/NDF: 1264193.4/22

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

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

Out: 1263.831+/-0.222 χ^2/NDF:1102106.9/29

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56



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

Left Out: 1931.253+/-252.402 χ^2/NDF:11.0/11

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

Left In: 1961.551+/-252.713 χ^2/NDF:16.8/10

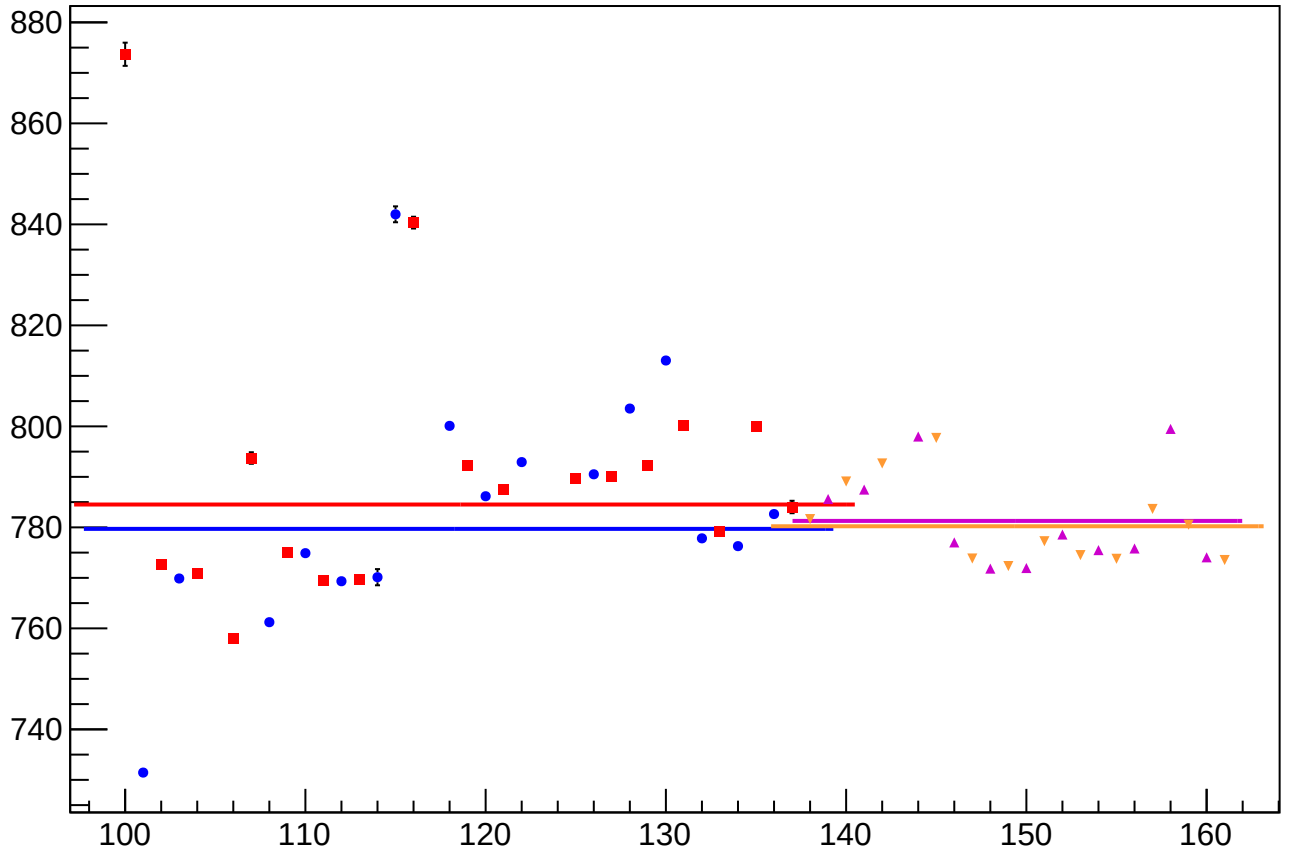
Left: 1946.383+/-178.585 χ^2/NDF: 27.8/22

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

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

Out: 1985.069+/-190.132 χ^2/NDF:24.0/29

All: 2047.383+/-134.552 χ^2/NDF: 49.9/56



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

Left Out: 780.218+/-0.178 χ^2/NDF:1888.0/11

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

Left In: 781.280+/-0.179 χ^2/NDF:2780.5/10

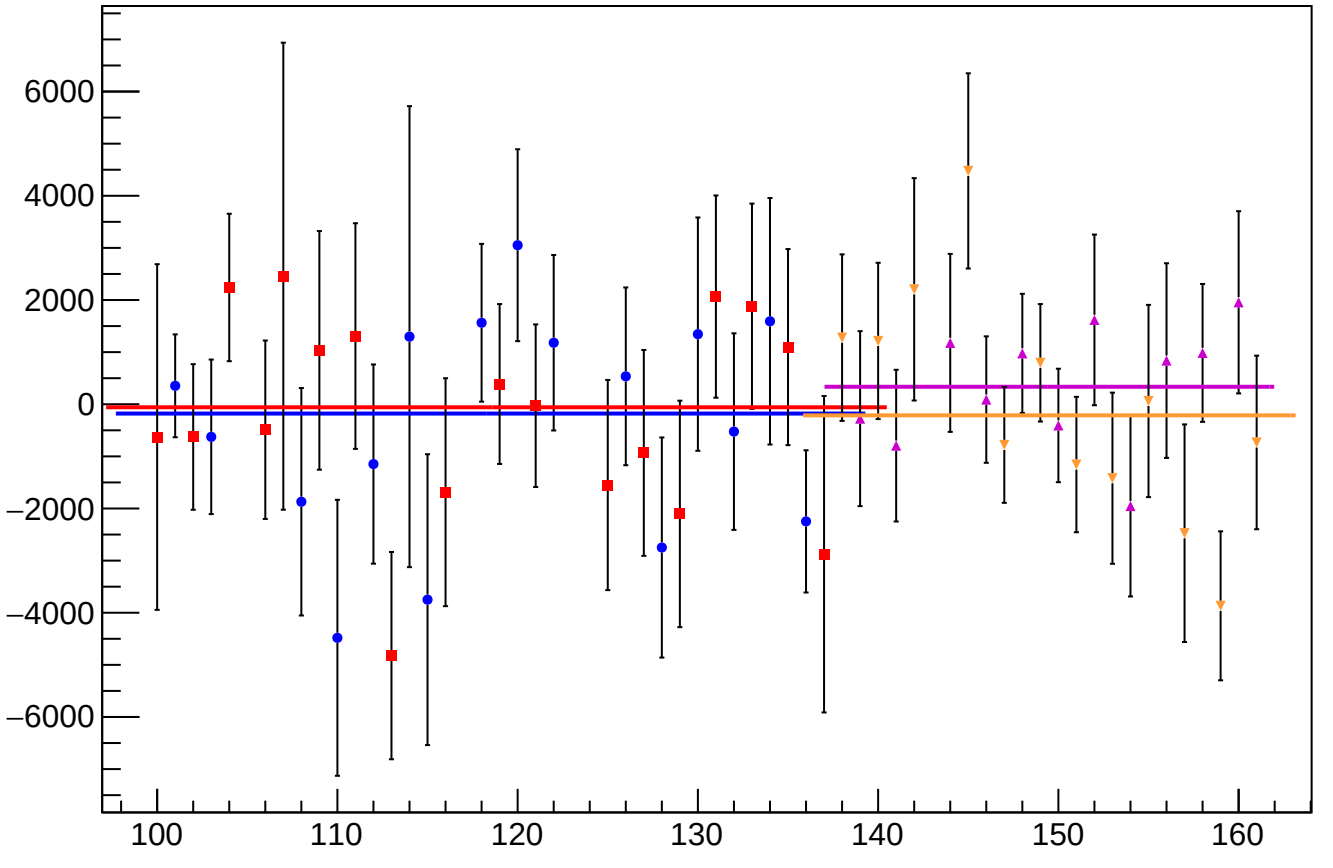
Left: 780.749+/-0.126 χ^2/NDF: 4686.2/22

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

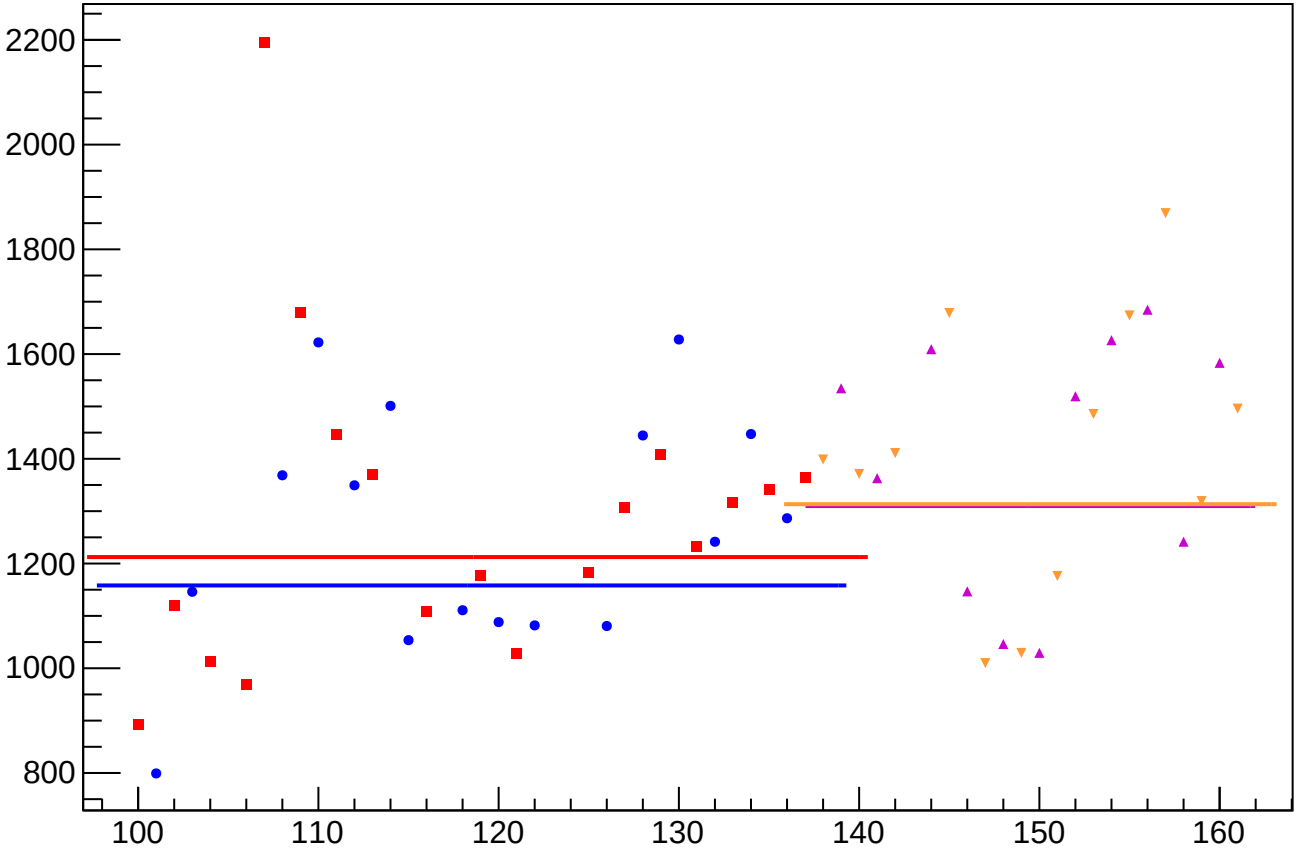
In: 780.598+/-0.135 χ^2/NDF:14874.4/26

Out: 782.081+/-0.134 χ^2/NDF:9299.9/29

All: 781.341+/-0.095 χ^2/NDF: 24235.0/56


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -212.857+/-435.362 χ²/NDF:19.3/11
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 335.571+/-432.343 χ²/NDF:5.3/10
Left: 63.266+/-306.775 χ²/NDF: 25.4/22
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: 83.779+/-308.802 χ²/NDF:21.7/26
Out: -138.898+/-314.632 χ²/NDF:34.6/29
All: -25.477+/-220.389 χ²/NDF: 56.6/56

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1313.291+/-0.308 χ^2/NDF:651618.1/11

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

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

Left: 1311.538+/-0.217 χ^2/NDF: 1261161.6/22

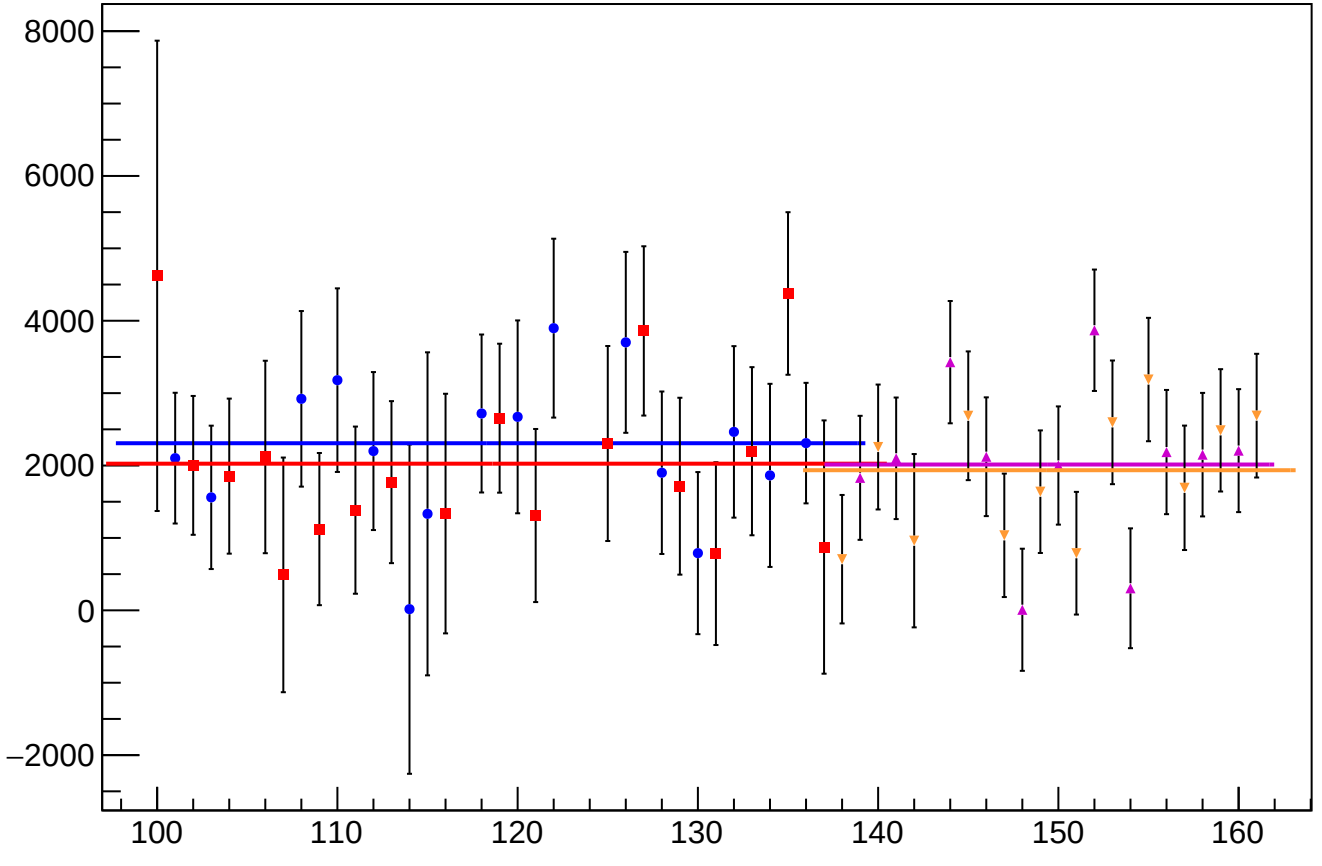
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

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

Out: 1265.068+/-0.222 χ^2/NDF:1100920.7/29

All: 1250.014+/-0.156 χ^2/NDF: 2409111.1/56

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1935.386+/-253.086 χ^2/NDF:10.5/11

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

Left In: 2014.128+/-253.372 χ^2/NDF:17.8/10

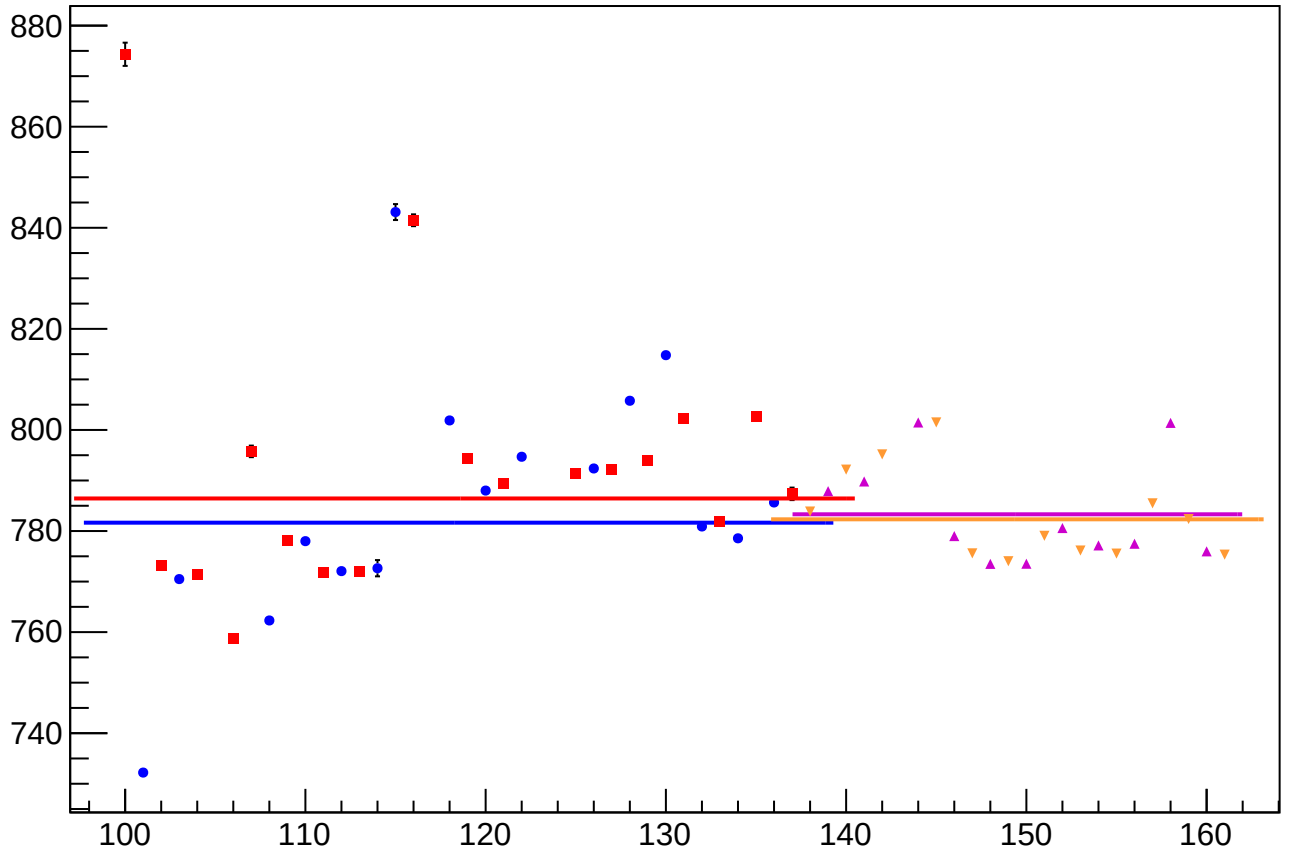
Left: 1974.713+/-179.060 χ^2/NDF: 28.4/22

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

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

Out: 1974.432+/-190.625 χ^2/NDF:22.5/29

All: 2057.682+/-134.899 χ^2/NDF: 49.1/56



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

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

Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

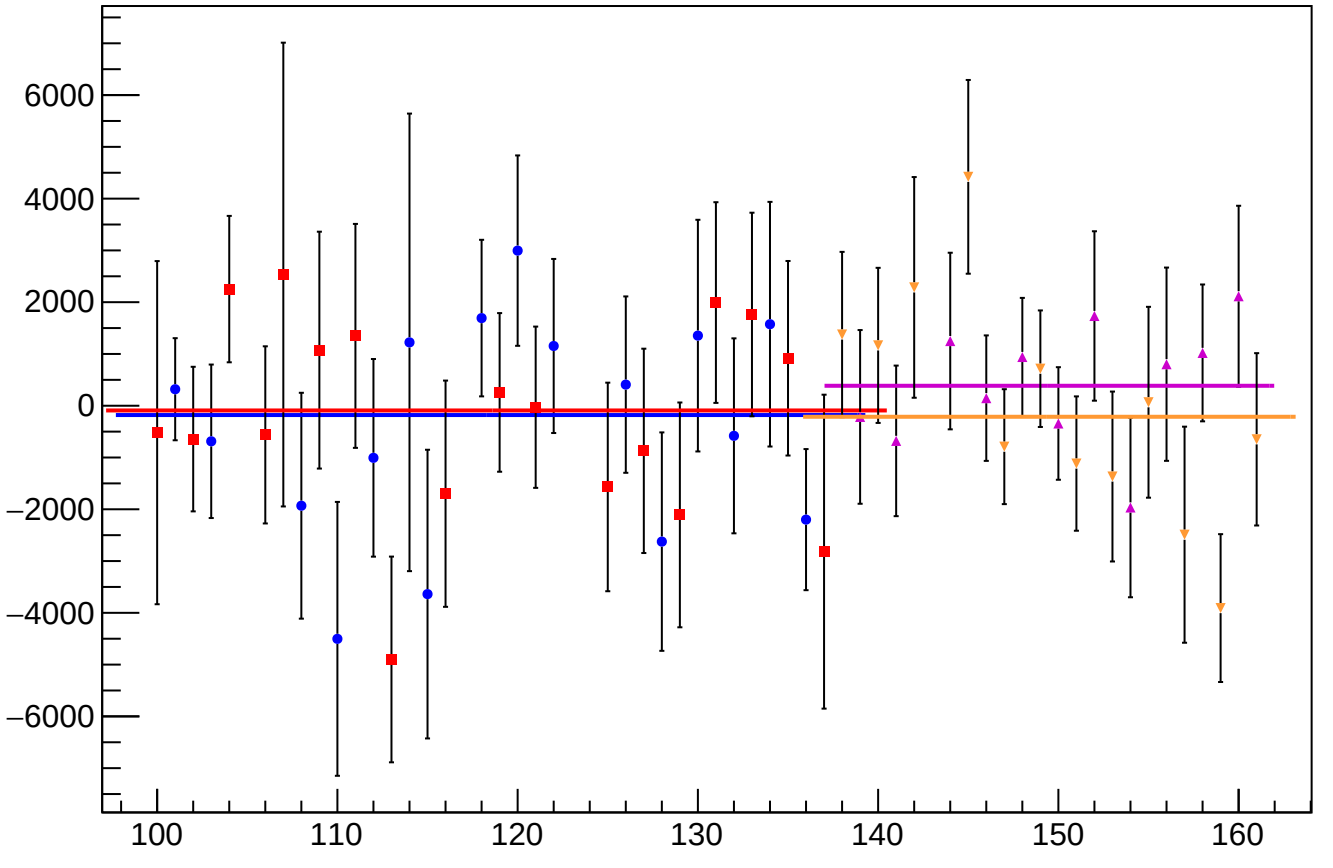
Left: 782.815+/-0.127 χ^2/NDF: 5166.4/22

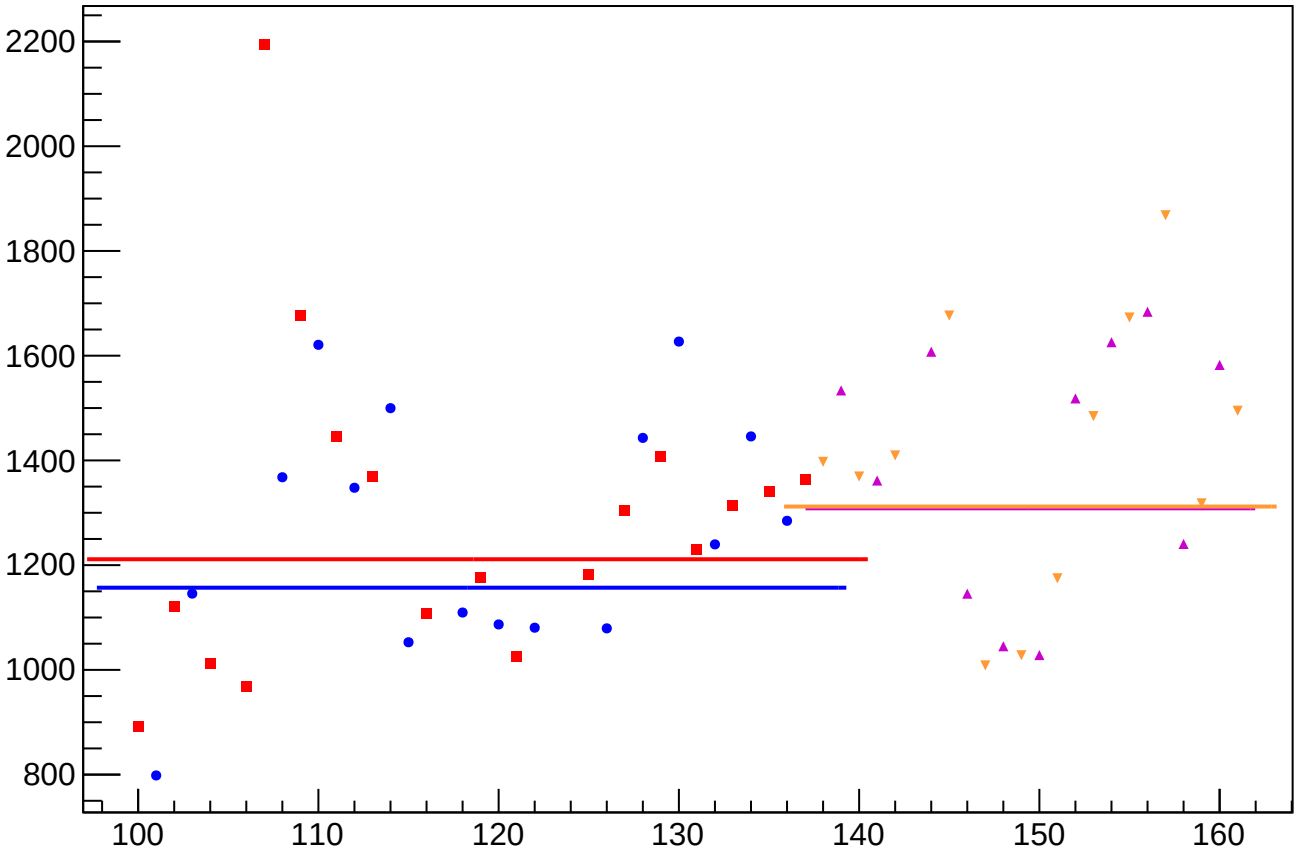
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

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

Out: 784.103+/-0.135 χ^2/NDF:9595.9/29

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -213.181+/-434.928 χ²/NDF:19.3/11
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 385.441+/-431.934 χ²/NDF:5.4/10
Left: 88.198+/-306.477 χ²/NDF: 25.6/22
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 108.481+/-308.500 χ²/NDF:21.6/26
Out: -154.957+/-314.335 χ²/NDF:34.5/29
All: -20.771+/-220.177 χ²/NDF: 56.5/56



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

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

Left: 1310.195+/-0.217 χ^2/NDF: 1264193.4/22

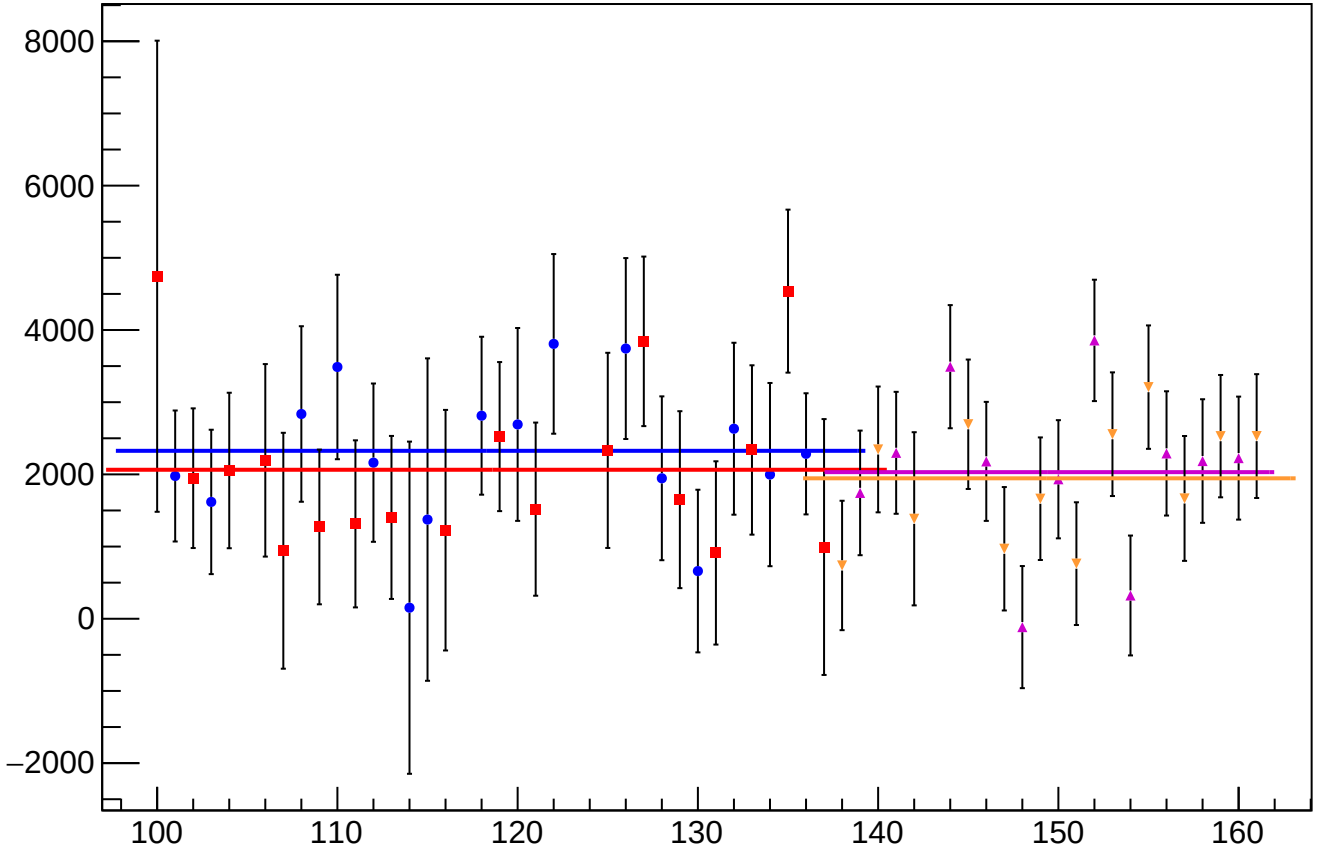
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1263.831+/-0.222 χ^2/NDF:1102106.9/29

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1945.468+/-254.326 χ^2/NDF:10.0/11

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

Left In: 2030.991+/-254.513 χ^2/NDF:18.8/10

Left: 1988.198+/-179.902 χ^2/NDF: 28.8/22

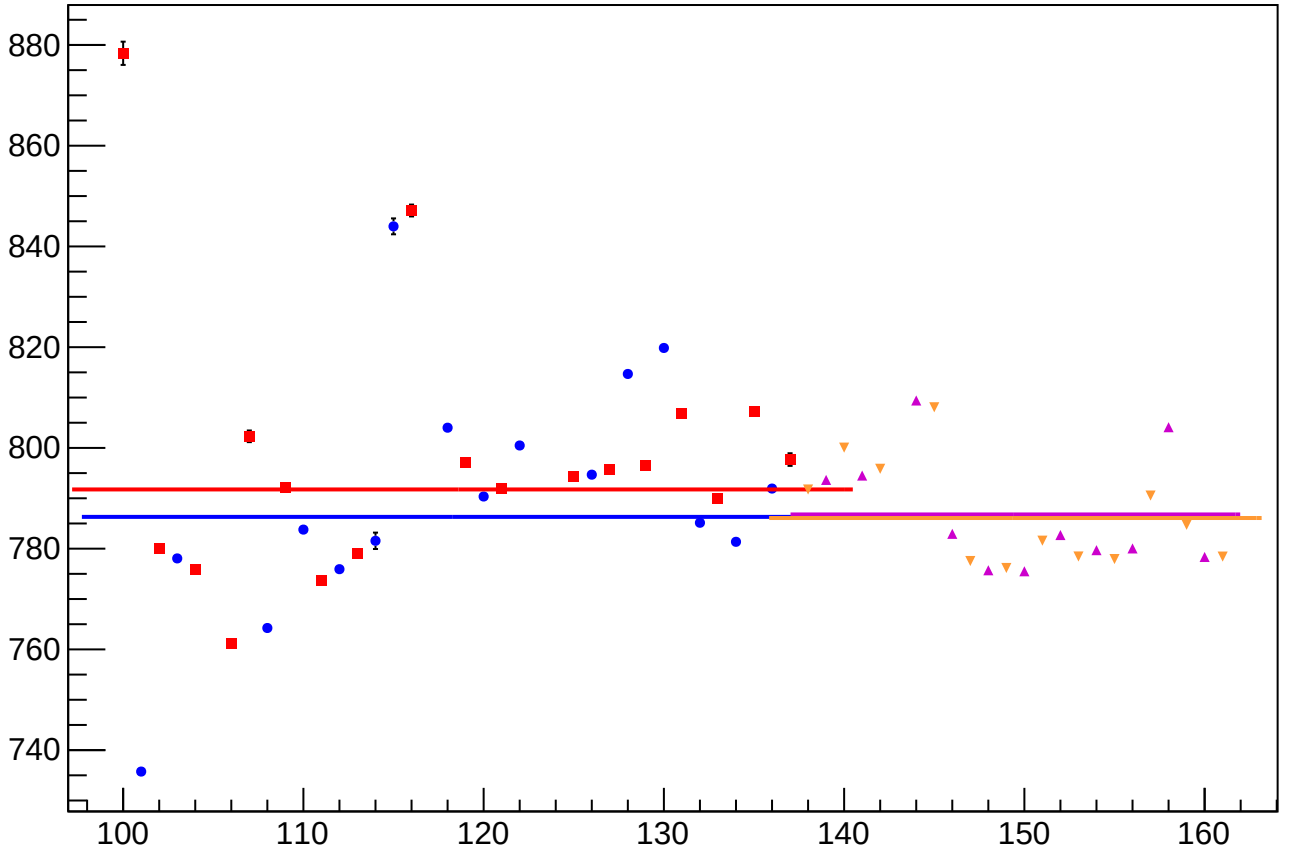
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

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

Out: 1996.630+/-191.722 χ^2/NDF:21.8/29

All: 2077.462+/-135.635 χ^2/NDF: 49.6/56

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 786.085+/-0.180 χ^2/NDF:3016.2/11

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

Left In: 786.791+/-0.180 χ^2/NDF:3797.8/10

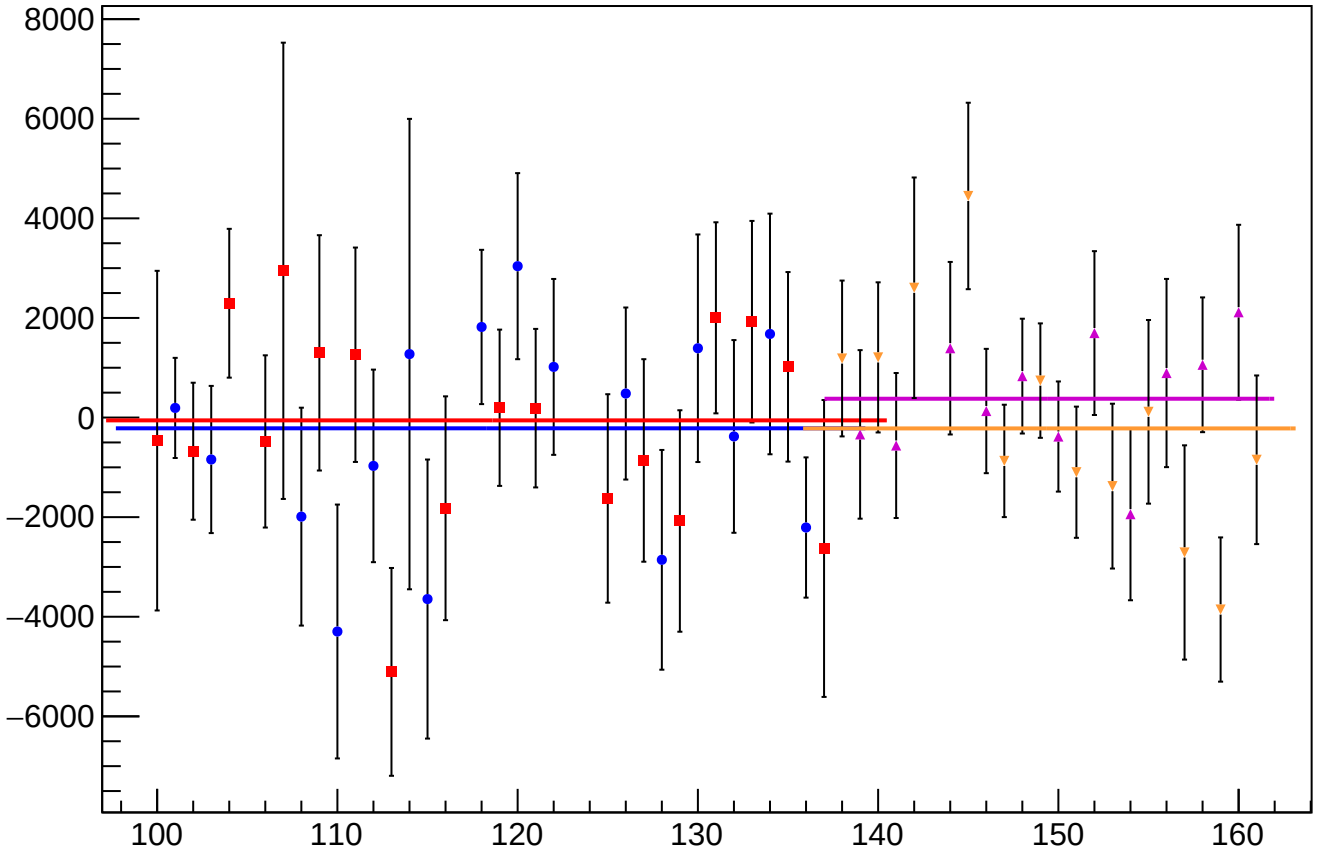
Left: 786.438+/-0.127 χ^2/NDF: 6821.7/22

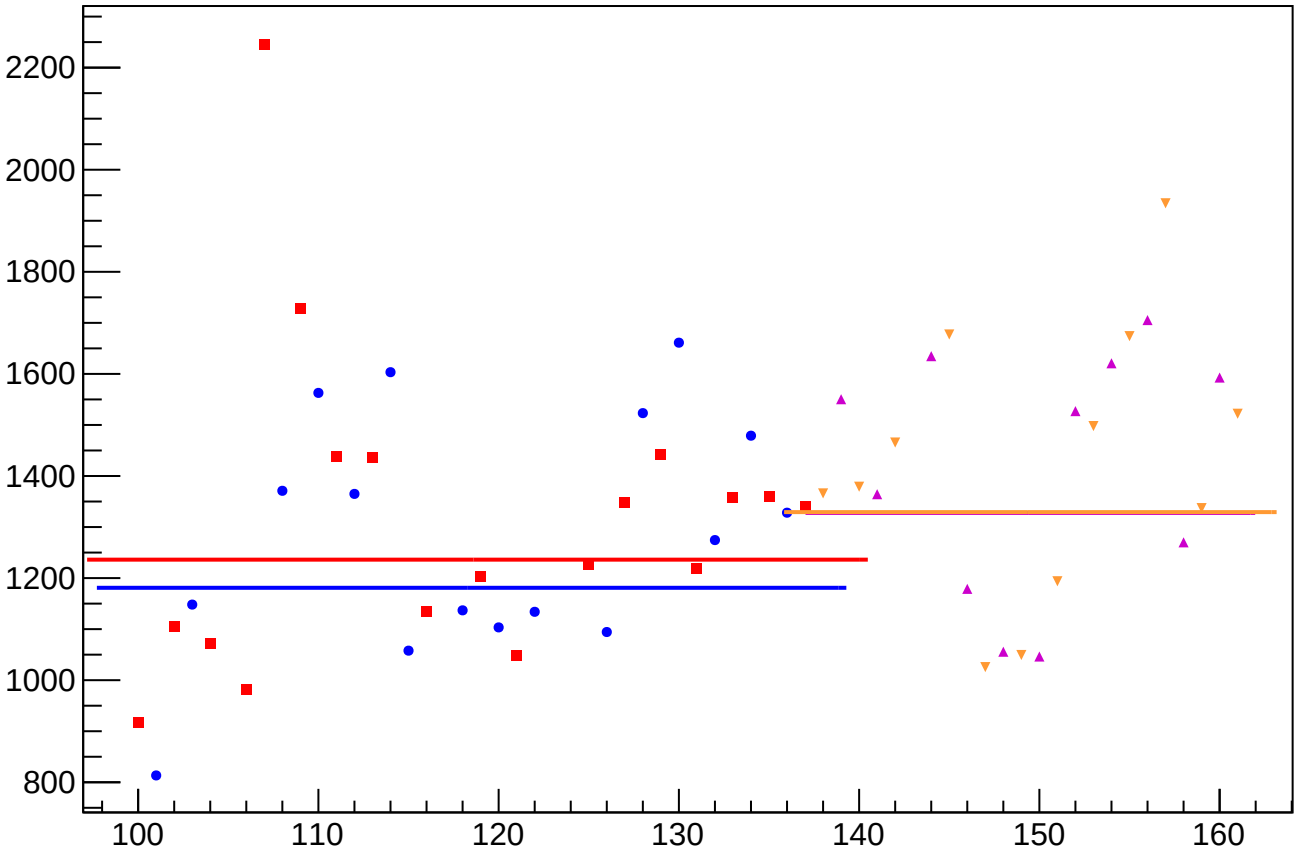
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

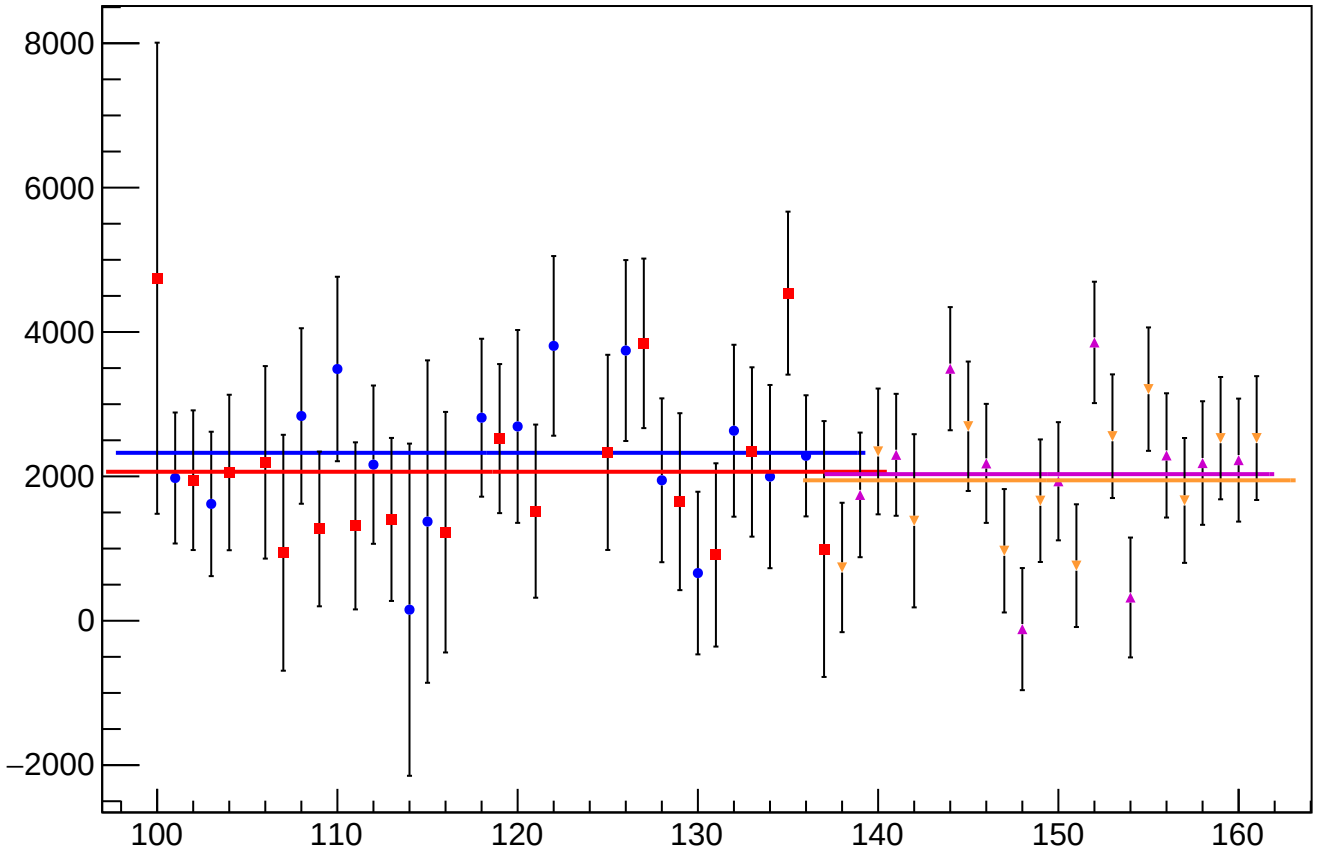
In: 786.583+/-0.136 χ^2/NDF:16372.0/26

Out: 788.533+/-0.136 χ^2/NDF:10460.6/29

All: 787.559+/-0.096 χ^2/NDF: 26935.9/56


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -218.432+/-440.315 χ²/NDF:19.3/11
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 377.581+/-437.648 χ²/NDF:5.4/10
Left: 81.385+/-310.403 χ²/NDF: 25.6/22
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 88.654+/-313.583 χ²/NDF:21.5/26
Out: -141.835+/-319.388 χ²/NDF:34.5/29
All: -24.477+/-223.761 χ²/NDF: 56.3/56


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1329.263+/-0.311 χ²/NDF:639443.1/11
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1327.566+/-0.309 χ²/NDF:583921.1/10
Left: 1328.409+/-0.219 χ²/NDF: 1223379.2/22
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1256.246+/-0.222 χ²/NDF:1264181.8/26
Out: 1285.134+/-0.226 χ²/NDF:1079079.8/29
All: 1270.425+/-0.158 χ²/NDF: 2351592.4/56



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

Left Out: 1945.464+/-254.326 χ^2/NDF:10.0/11

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

Left In: 2030.993+/-254.513 χ^2/NDF:18.8/10

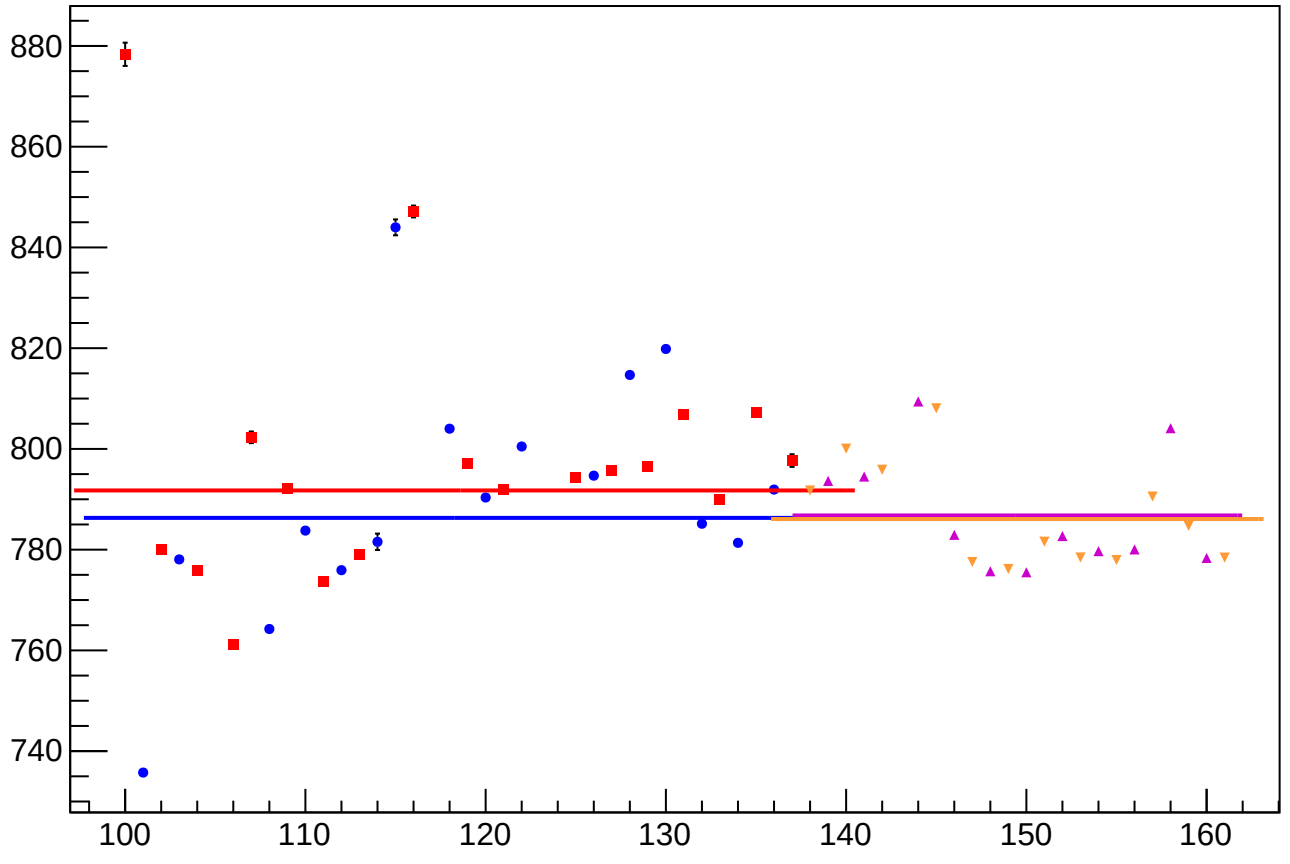
Left: 1988.197+/-179.902 χ^2/NDF: 28.8/22

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

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

Out: 1996.628+/-191.722 χ^2/NDF:21.8/29

All: 2077.461+/-135.635 χ^2/NDF: 49.6/56



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

Left Out: 786.085+/-0.180 χ^2/NDF:3016.2/11

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

Left In: 786.791+/-0.180 χ^2/NDF:3797.8/10

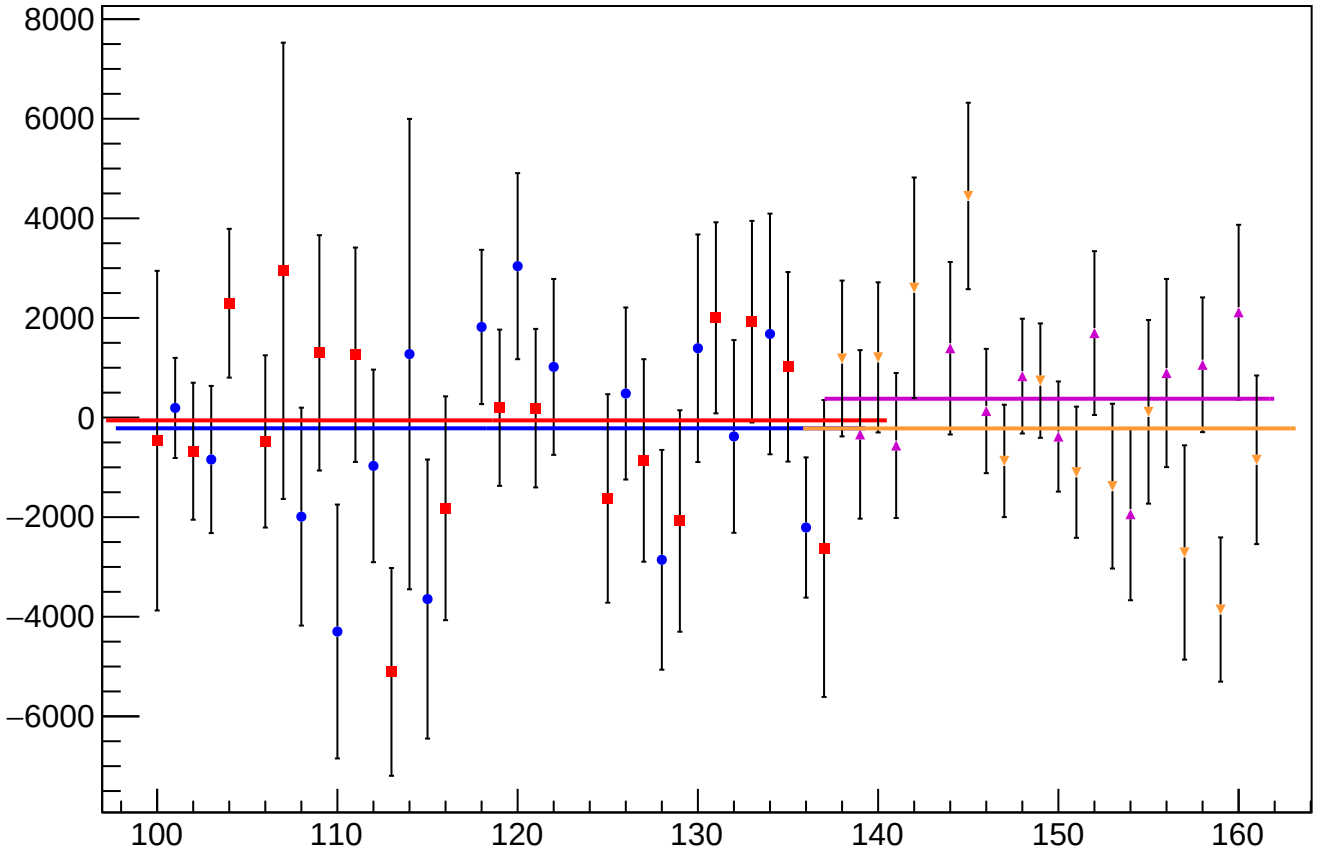
Left: 786.438+/-0.127 χ^2/NDF: 6821.7/22

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

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

Out: 788.533+/-0.136 χ^2/NDF:10460.6/29

All: 787.559+/-0.096 χ^2/NDF: 26935.8/56



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

Left Out: -218.436+/-440.316 χ^2/NDF:19.3/11

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

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

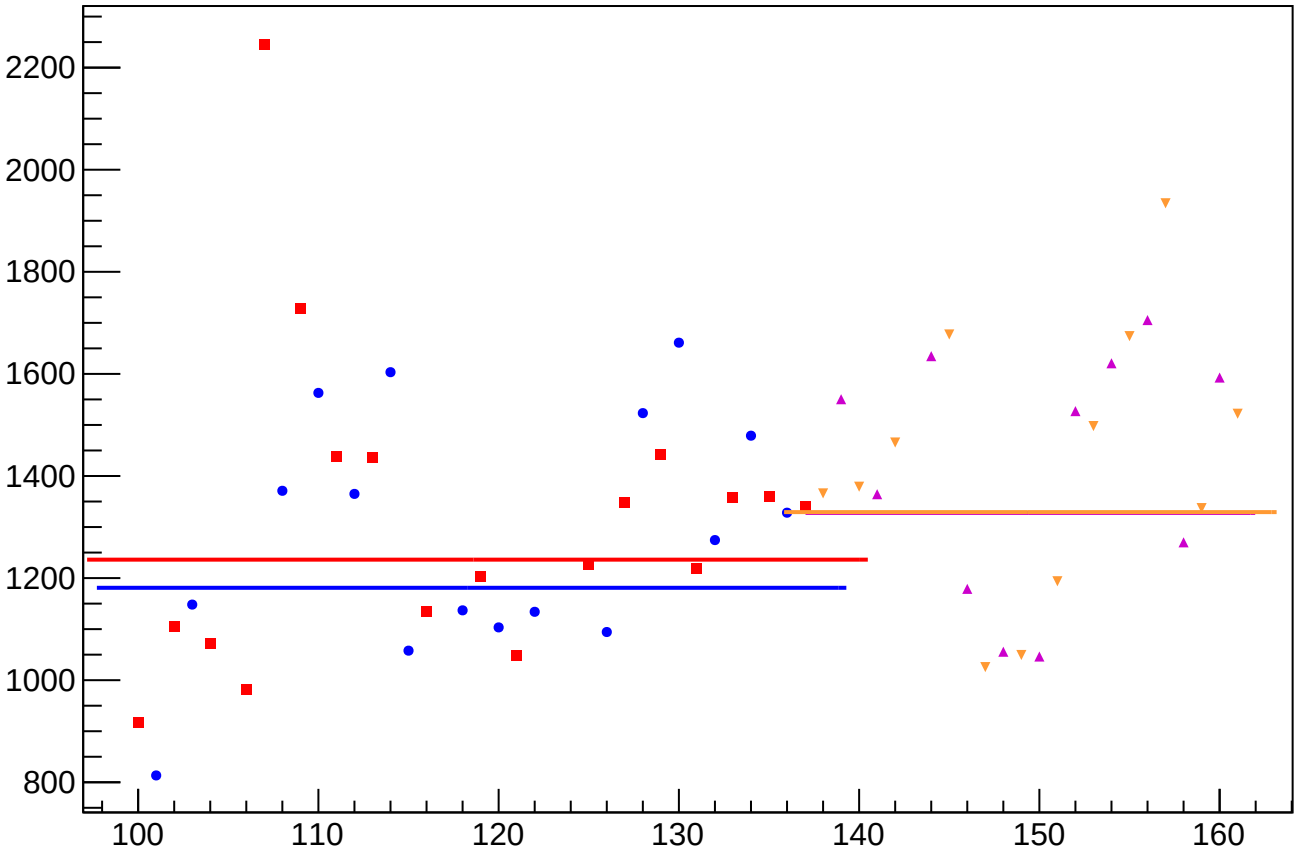
Left: 81.384+/-310.403 χ^2/NDF: 25.6/22

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

In: 88.654+/-313.583 χ^2/NDF:21.5/26

Out: -141.837+/-319.388 χ^2/NDF:34.5/29

All: -24.478+/-223.761 χ^2/NDF: 56.3/56



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

Left Out: 1329.265+/-0.311 χ^2/NDF:639445.4/11

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

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

Left: 1328.412+/-0.219 χ^2/NDF: 1223382.5/22

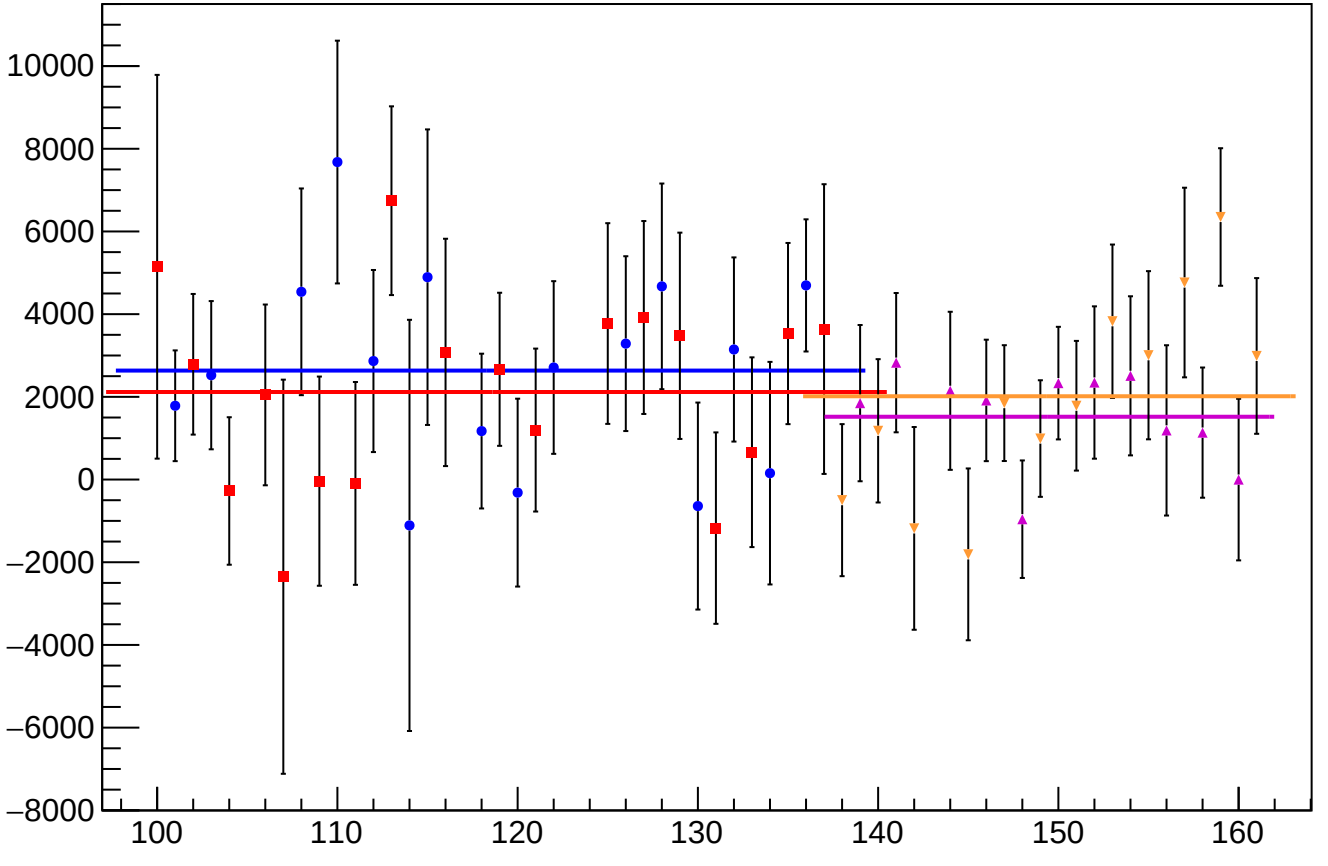
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1285.133+/-0.226 χ^2/NDF:1079085.9/29

All: 1270.424+/-0.158 χ^2/NDF: 2351605.8/56

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2014.441+/-512.194 χ^2/NDF:17.4/11

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

Left In: 1518.844+/-508.321 χ^2/NDF:5.4/10

Left: 1764.762+/-360.799 χ^2/NDF: 23.3/22

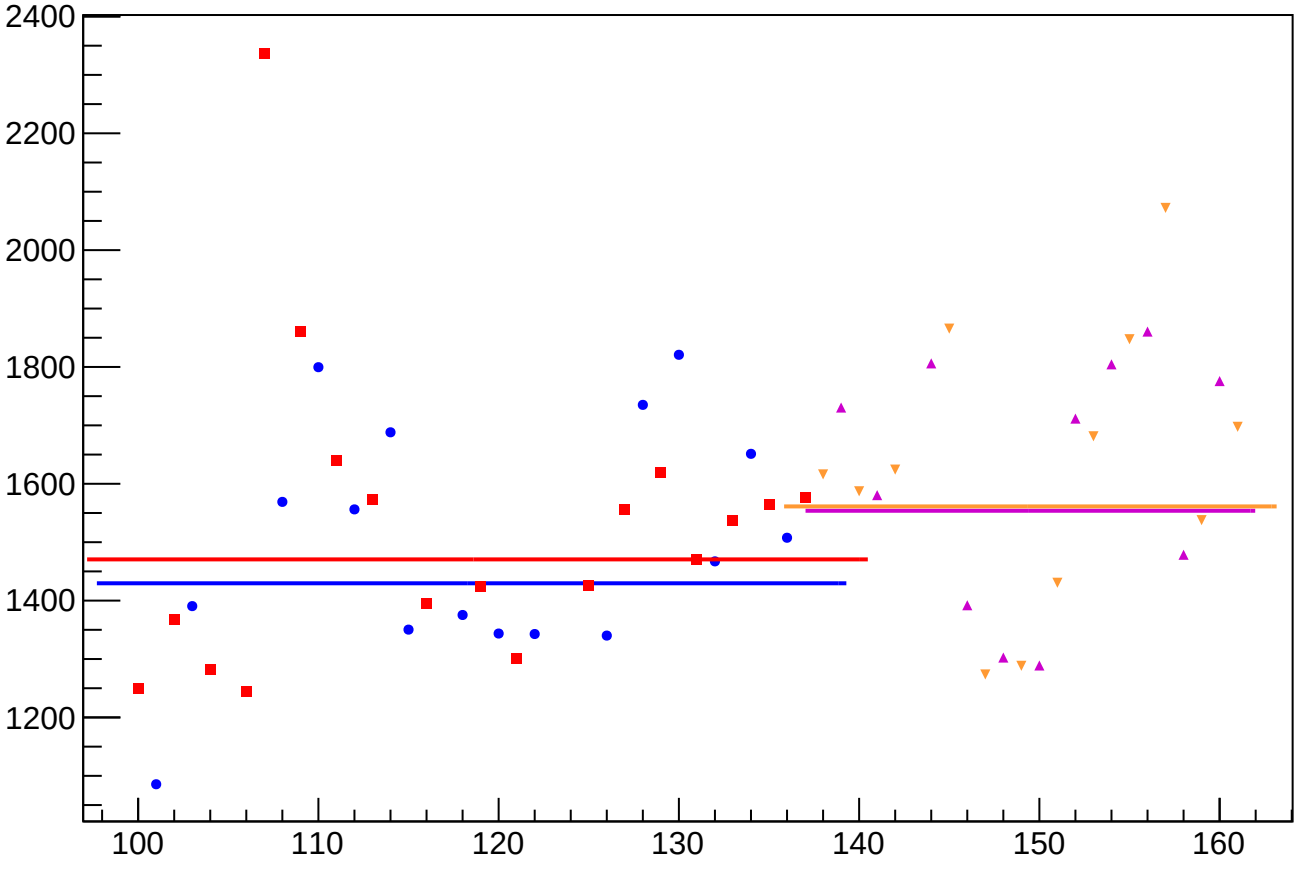
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 2062.384+/-374.030 χ^2/NDF:31.2/29

All: 2053.808+/-262.861 χ^2/NDF: 51.1/56

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1561.246+/-0.362 χ^2/NDF:377805.1/11

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

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

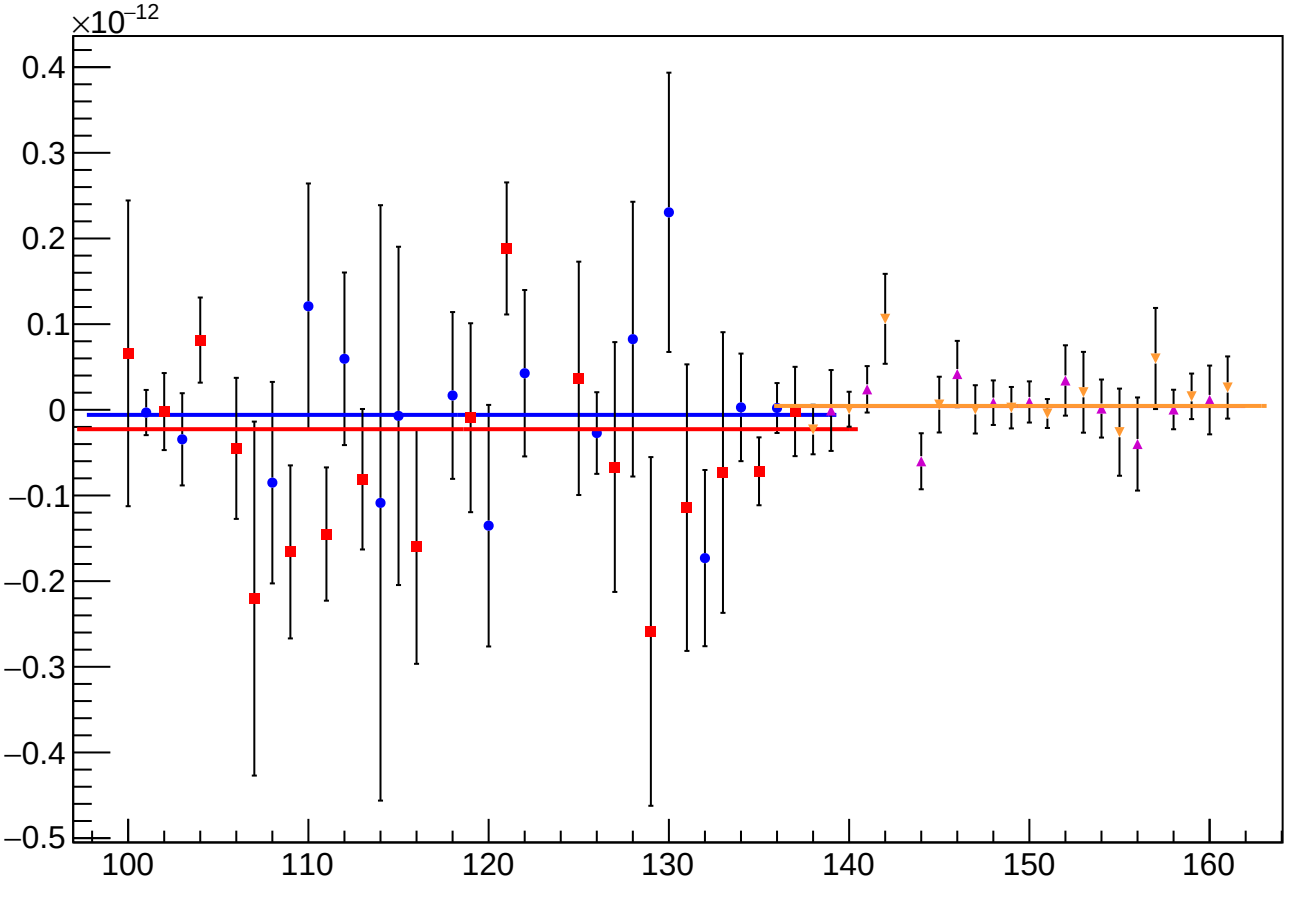
Left: 1557.509+/-0.255 χ^2/NDF: 716733.3/22

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

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

Out: 1518.922+/-0.264 χ^2/NDF:625131.8/29

All: 1506.949+/-0.186 χ^2/NDF: 1317574.0/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/11

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

Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

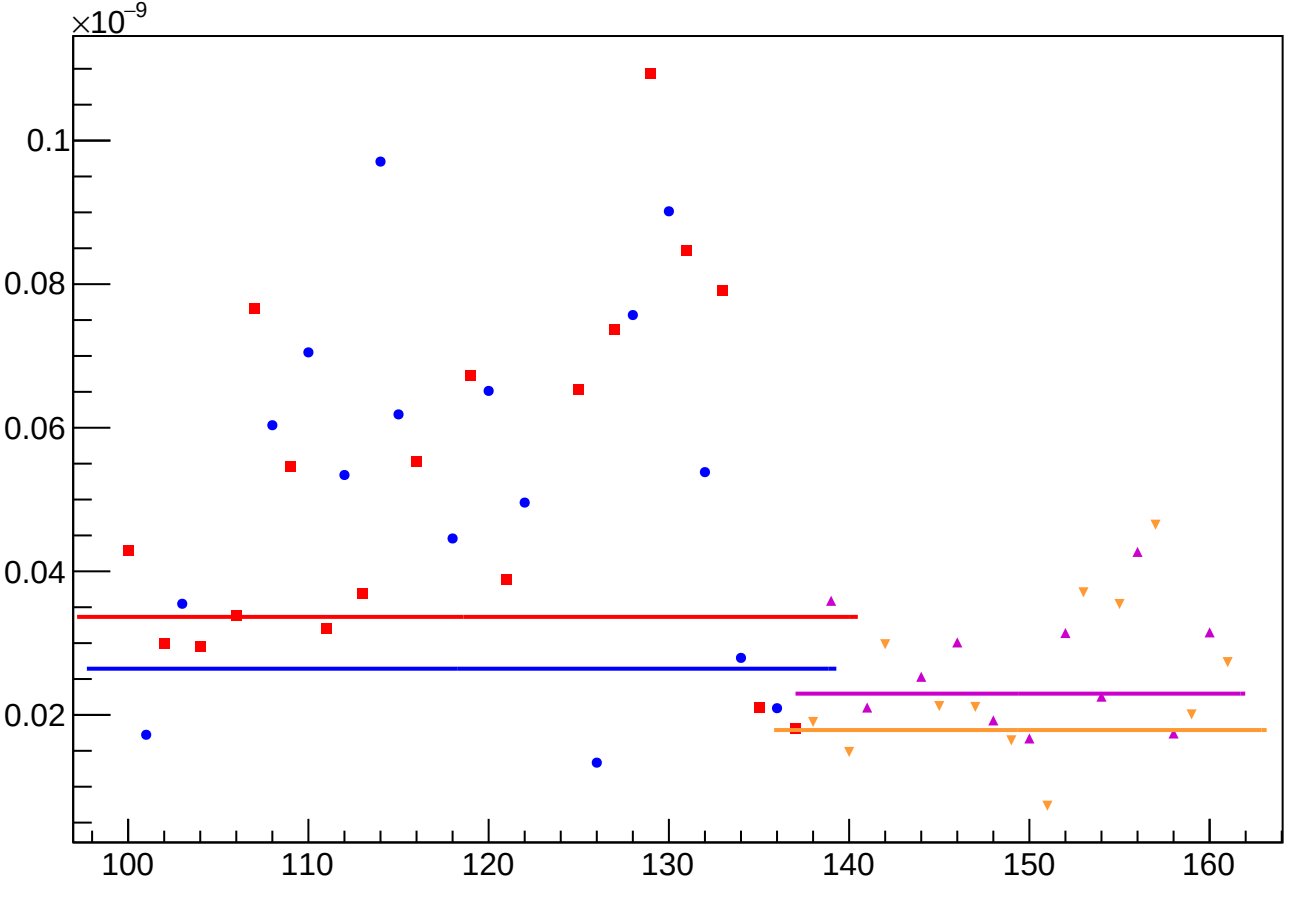
Left: 0.000+/-0.000 χ^2/NDF: 13.6/22

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

In: 0.000+/-0.000 χ^2/NDF:15.5/26

Out: -0.000+/-0.000 χ^2/NDF:31.8/29

All: 0.000+/-0.000 χ^2/NDF: 47.3/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:2173107.3/11

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

Left In: 0.000+/-0.000 χ^2/NDF:969468.6/10

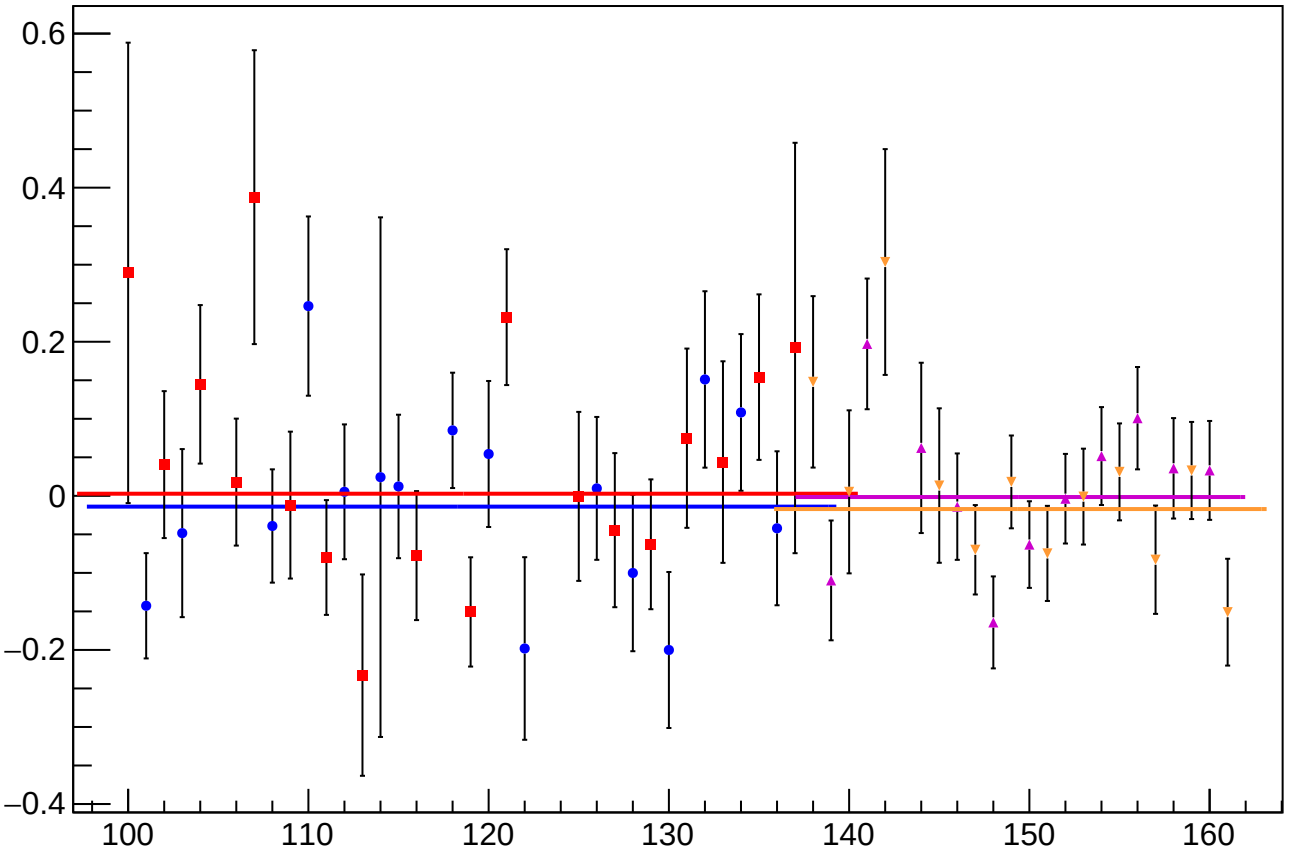
Left: 0.000+/-0.000 χ^2/NDF: 3464780.4/22

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

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

Out: 0.000+/-0.000 χ^2/NDF:5130151.6/29

All: 0.000+/-0.000 χ^2/NDF: 8499154.4/56



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

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

Left In: -0.002+/-0.020 χ^2/NDF:20.1/10

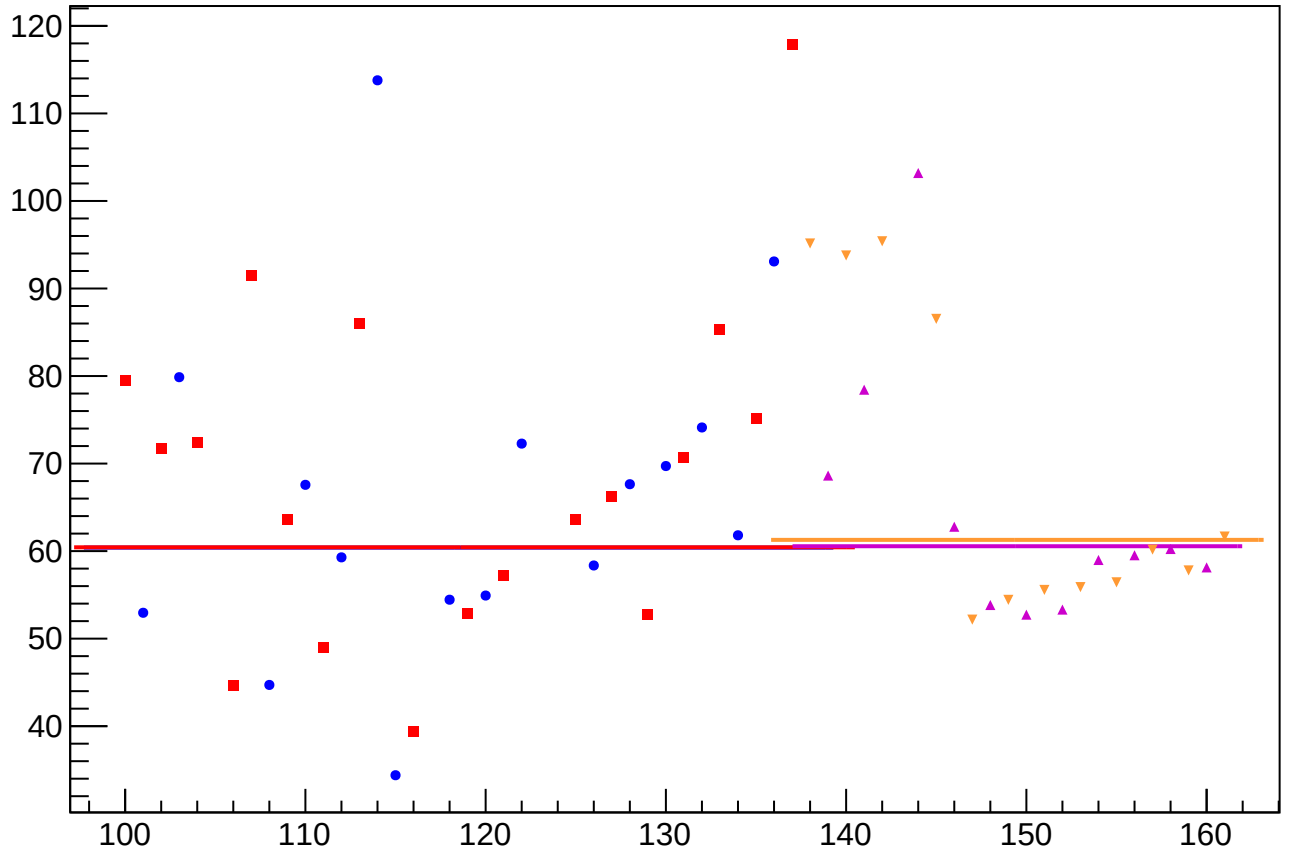
Left: -0.009+/-0.014 χ^2/NDF: 35.5/22

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

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.009+/-0.016 χ^2/NDF:43.2/29

All: -0.008+/-0.011 χ^2/NDF: 84.9/56



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

Left Out: 61.284+/-0.015 χ^2/NDF:735064.0/11

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

Left In: 60.557+/-0.014 χ^2/NDF:509687.5/10

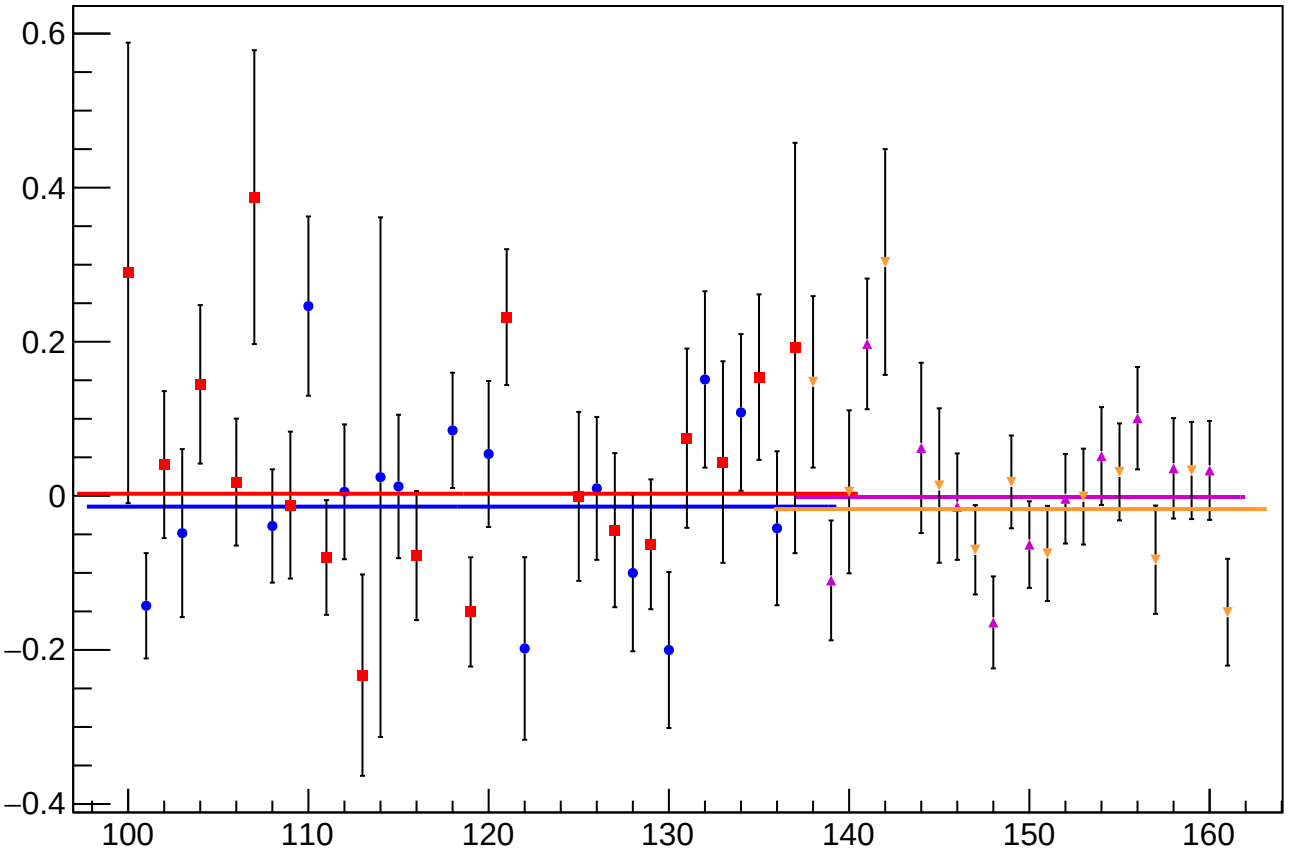
Left: 60.911+/-0.010 χ^2/NDF: 1246010.3/22

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

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

Out: 60.917+/-0.011 χ^2/NDF:1447606.8/29

All: 60.701+/-0.008 χ^2/NDF: 2661253.8/56



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

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

Left In: -0.002+/-0.020 χ^2/NDF:20.1/10

Left: -0.009+/-0.014 χ^2/NDF: 35.5/22

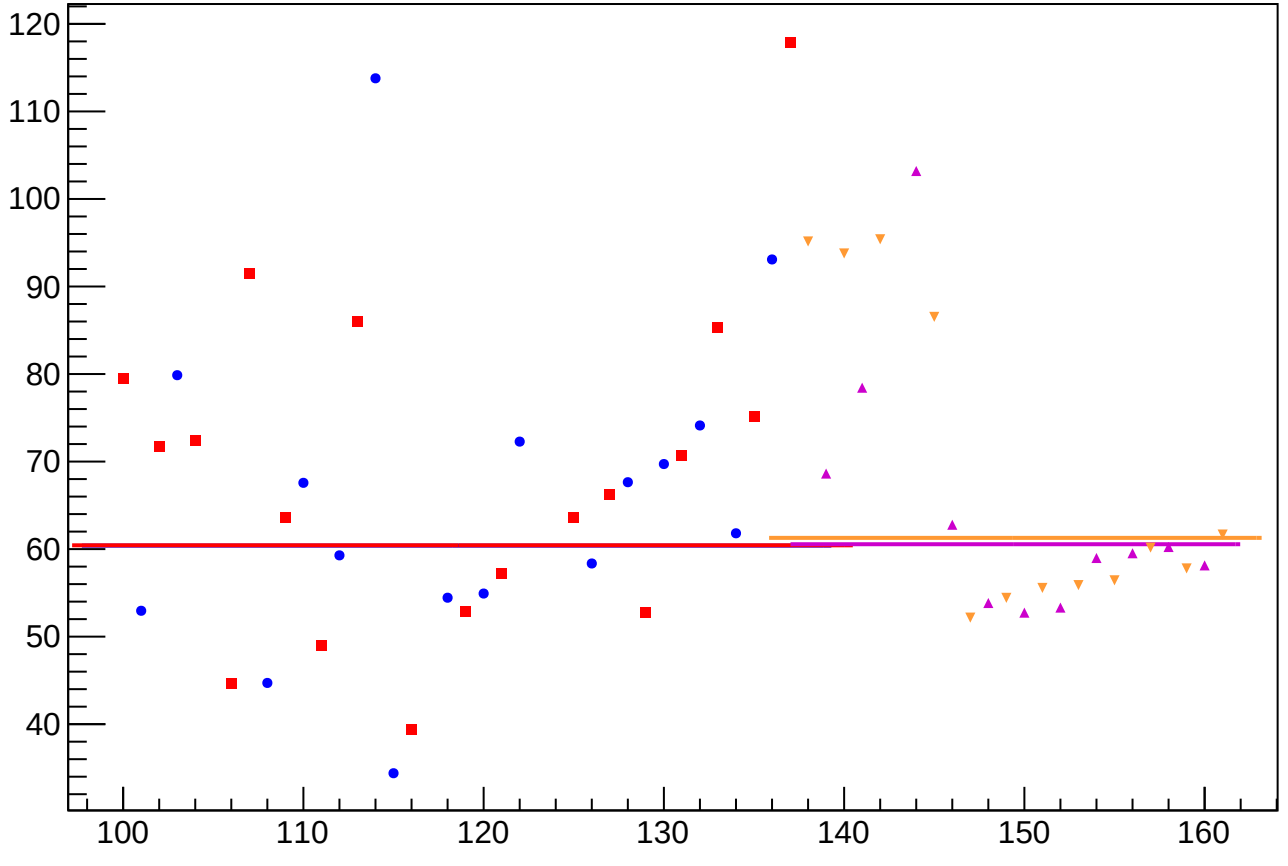
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.009+/-0.016 χ^2/NDF:43.2/29

All: -0.008+/-0.011 χ^2/NDF: 84.9/56

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.284+/-0.015 χ^2/NDF:735064.0/11

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

Left In: 60.557+/-0.014 χ^2/NDF:509687.5/10

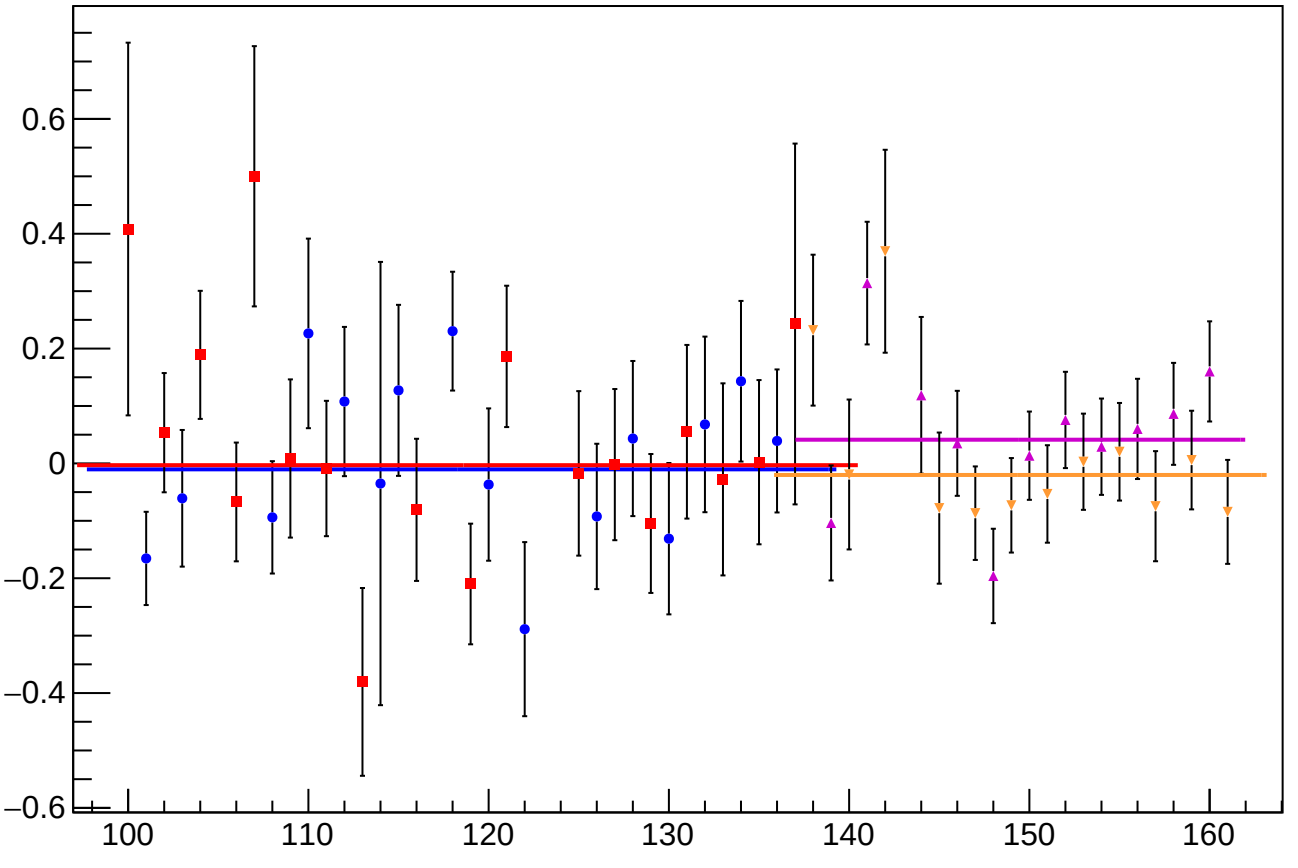
Left: 60.911+/-0.010 χ^2/NDF: 1246010.3/22

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

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

Out: 60.917+/-0.011 χ^2/NDF:1447606.8/29

All: 60.701+/-0.008 χ^2/NDF: 2661253.8/56



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

Left Out: -0.020+/-0.028 χ^2/NDF:11.2/11

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

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

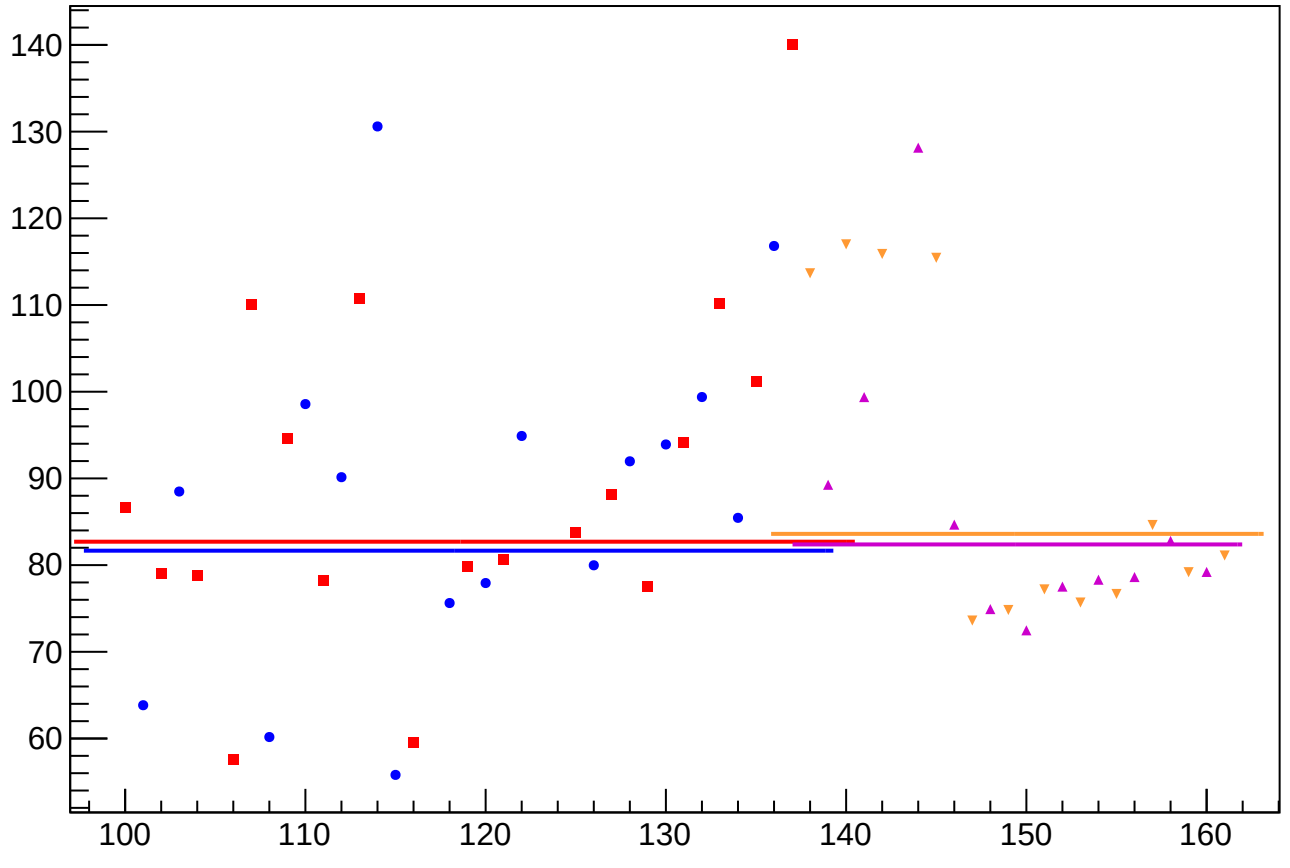
Left: 0.011+/-0.019 χ^2/NDF: 33.4/22

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

In: 0.019+/-0.021 χ^2/NDF:41.4/26

Out: -0.013+/-0.021 χ^2/NDF:35.0/29

All: 0.004+/-0.015 χ^2/NDF: 77.7/56



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

Left Out: 83.603+/-0.020 χ^2/NDF:521728.0/11

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

Left In: 82.385+/-0.019 χ^2/NDF:353752.5/10

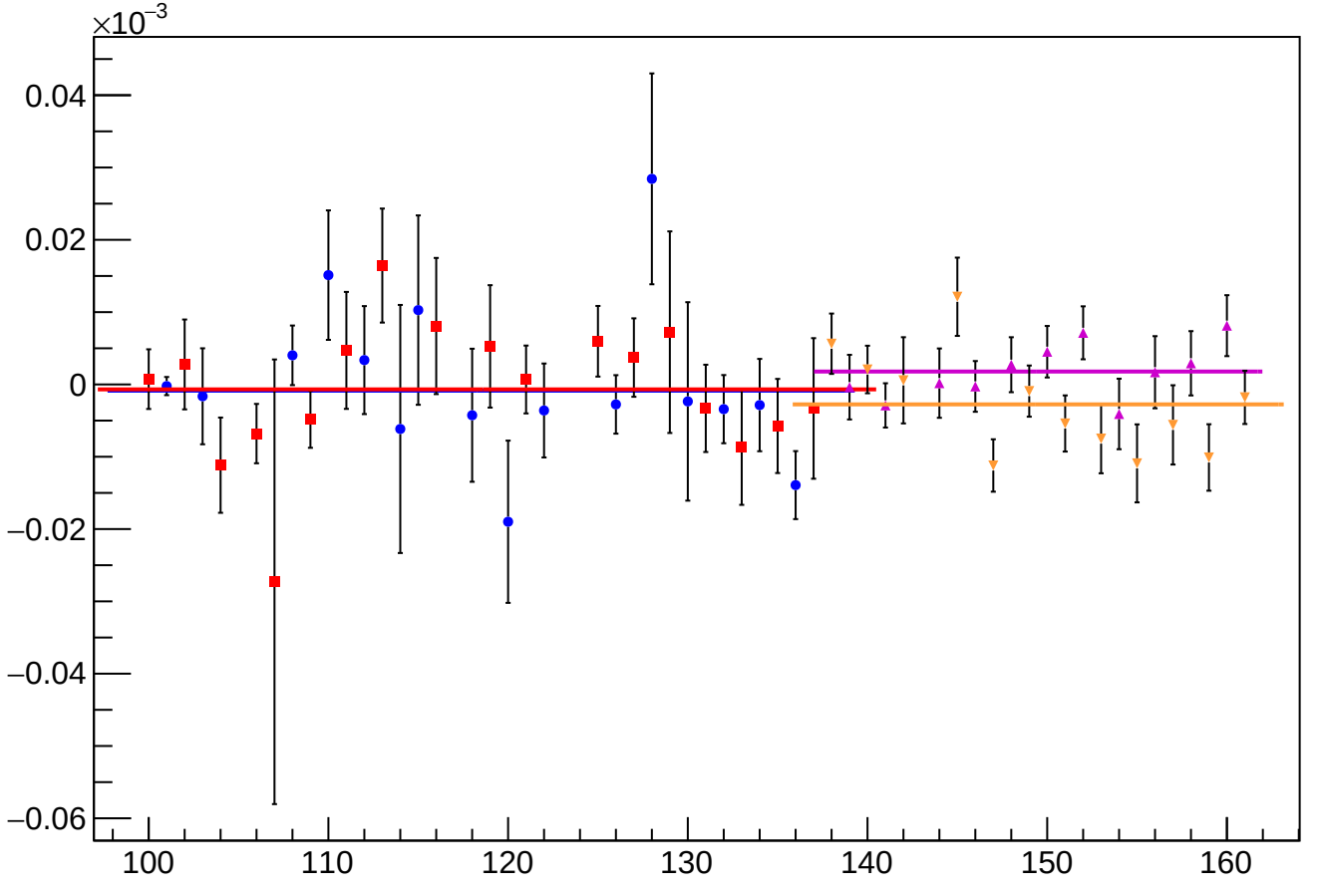
Left: 82.980+/-0.014 χ^2/NDF: 877440.0/22

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

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

Out: 83.211+/-0.015 χ^2/NDF:995706.6/29

All: 82.636+/-0.010 χ^2/NDF: 1914880.8/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/11

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

Left In: 0.000+/-0.000 χ^2/NDF:9.6/10

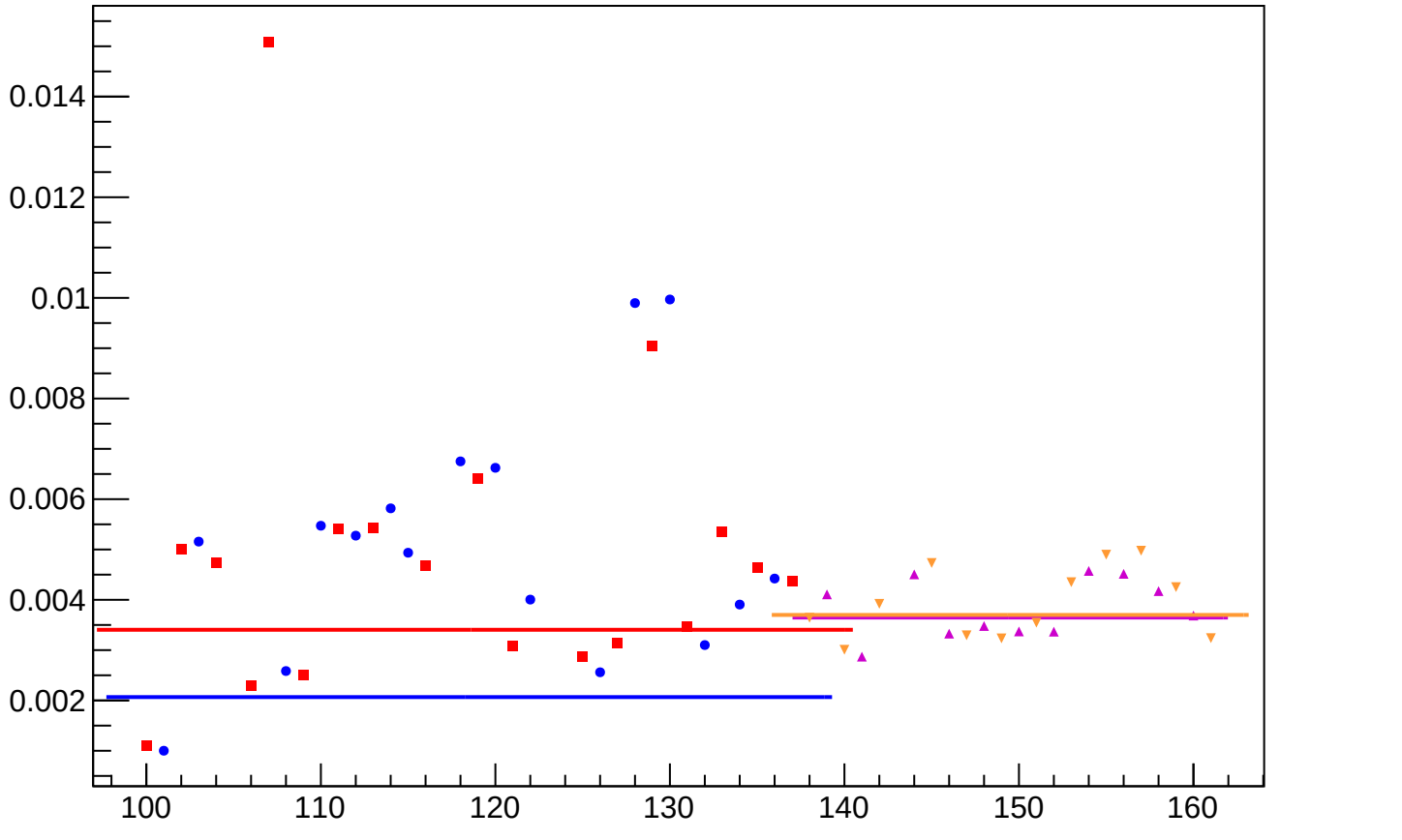
Left: -0.000+/-0.000 χ^2/NDF: 43.0/22

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

In: 0.000+/-0.000 χ^2/NDF:33.7/26

Out: -0.000+/-0.000 χ^2/NDF:45.9/29

All: -0.000+/-0.000 χ^2/NDF: 82.7/56



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

Left Out: 0.004+/-0.000 χ^2/NDF:531315.9/11

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

Left In: 0.004+/-0.000 χ^2/NDF:419458.0/10

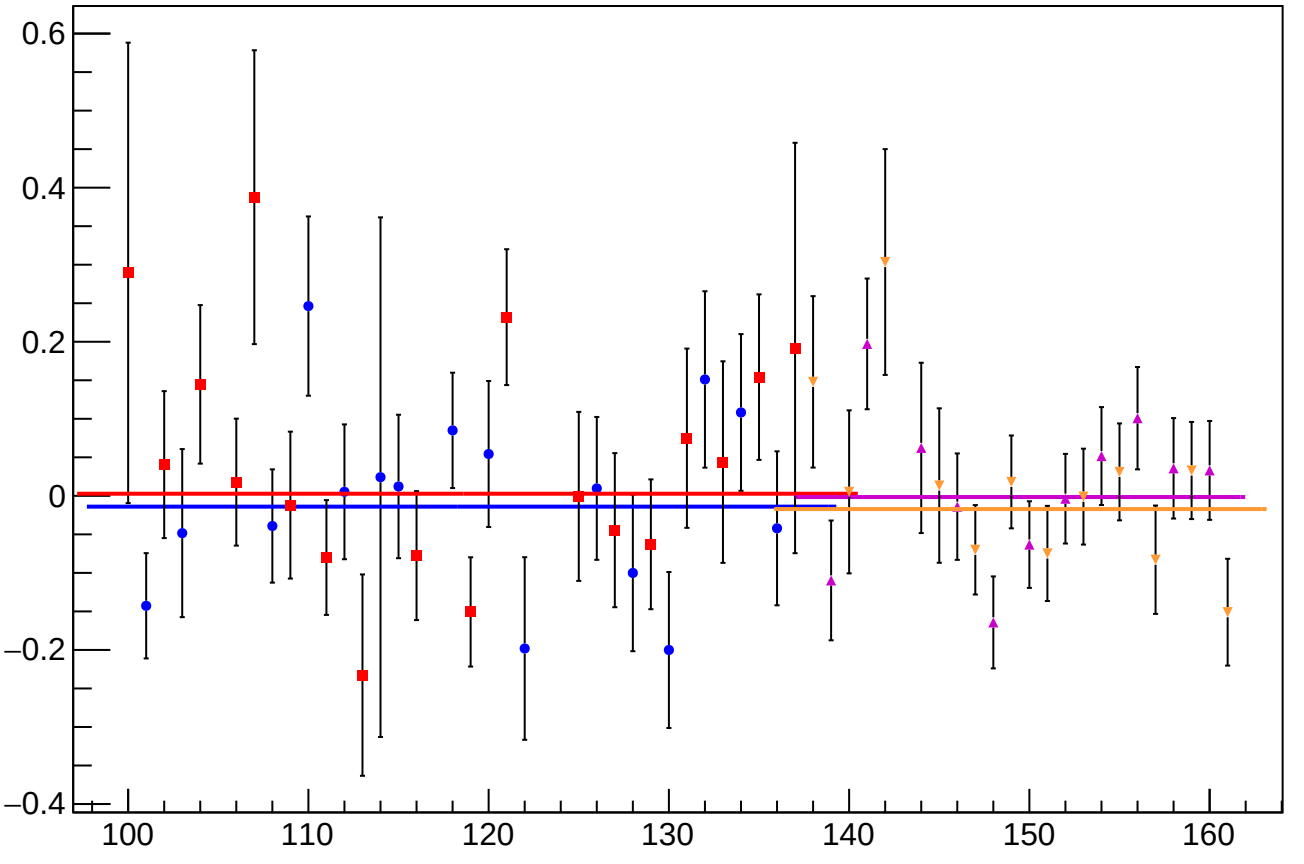
Left: 0.004+/-0.000 χ^2/NDF: 952604.7/22

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

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

Out: 0.004+/-0.000 χ^2/NDF:3071941.3/29

All: 0.003+/-0.000 χ^2/NDF: 12335714.9/56



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

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

Left In: -0.002+/-0.020 χ^2/NDF:20.1/10

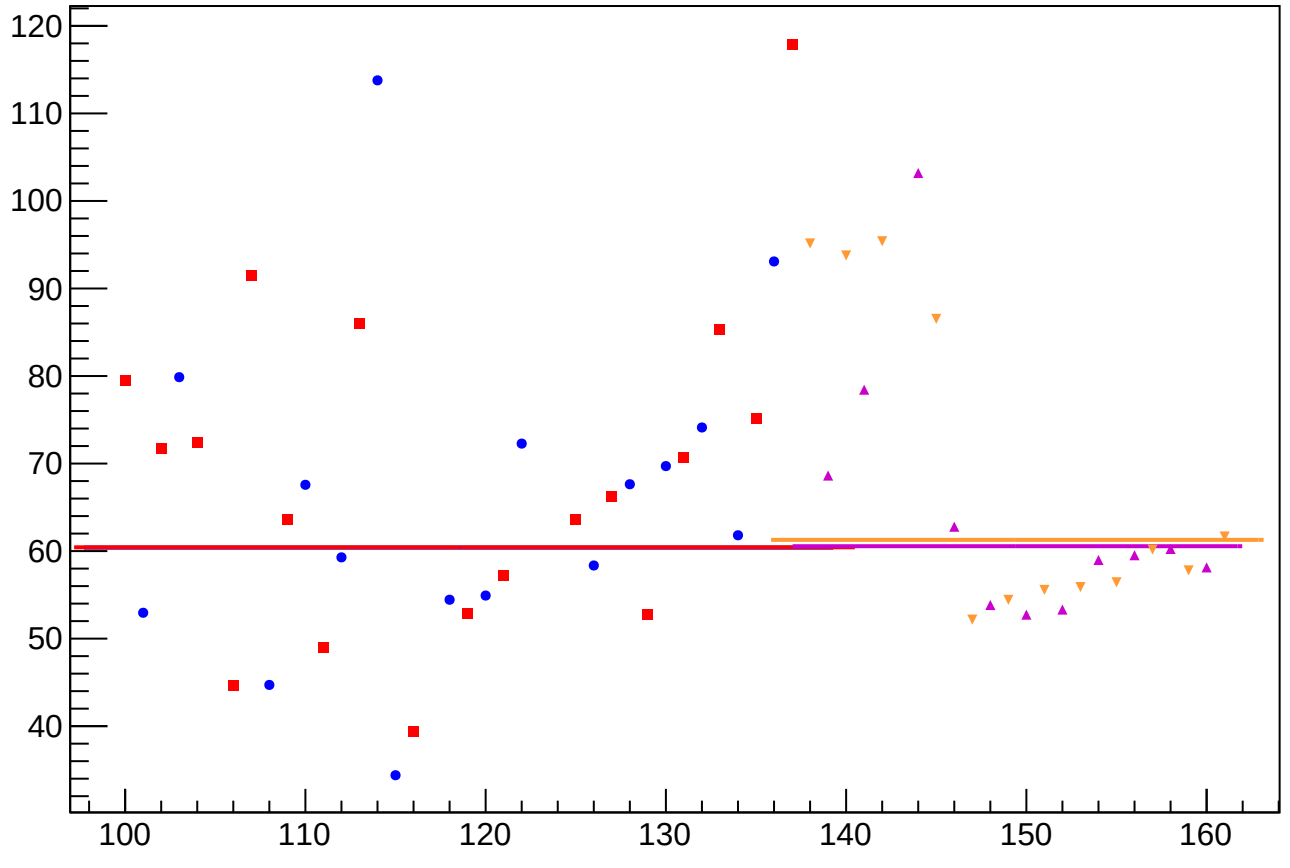
Left: -0.009+/-0.014 χ^2/NDF: 35.5/22

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

In: -0.007+/-0.015 χ^2/NDF:41.6/26

Out: -0.009+/-0.016 χ^2/NDF:43.2/29

All: -0.008+/-0.011 χ^2/NDF: 84.9/56



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

Left Out: 61.284+/-0.015 χ^2/NDF:735056.8/11

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

Left In: 60.557+/-0.014 χ^2/NDF:509683.9/10

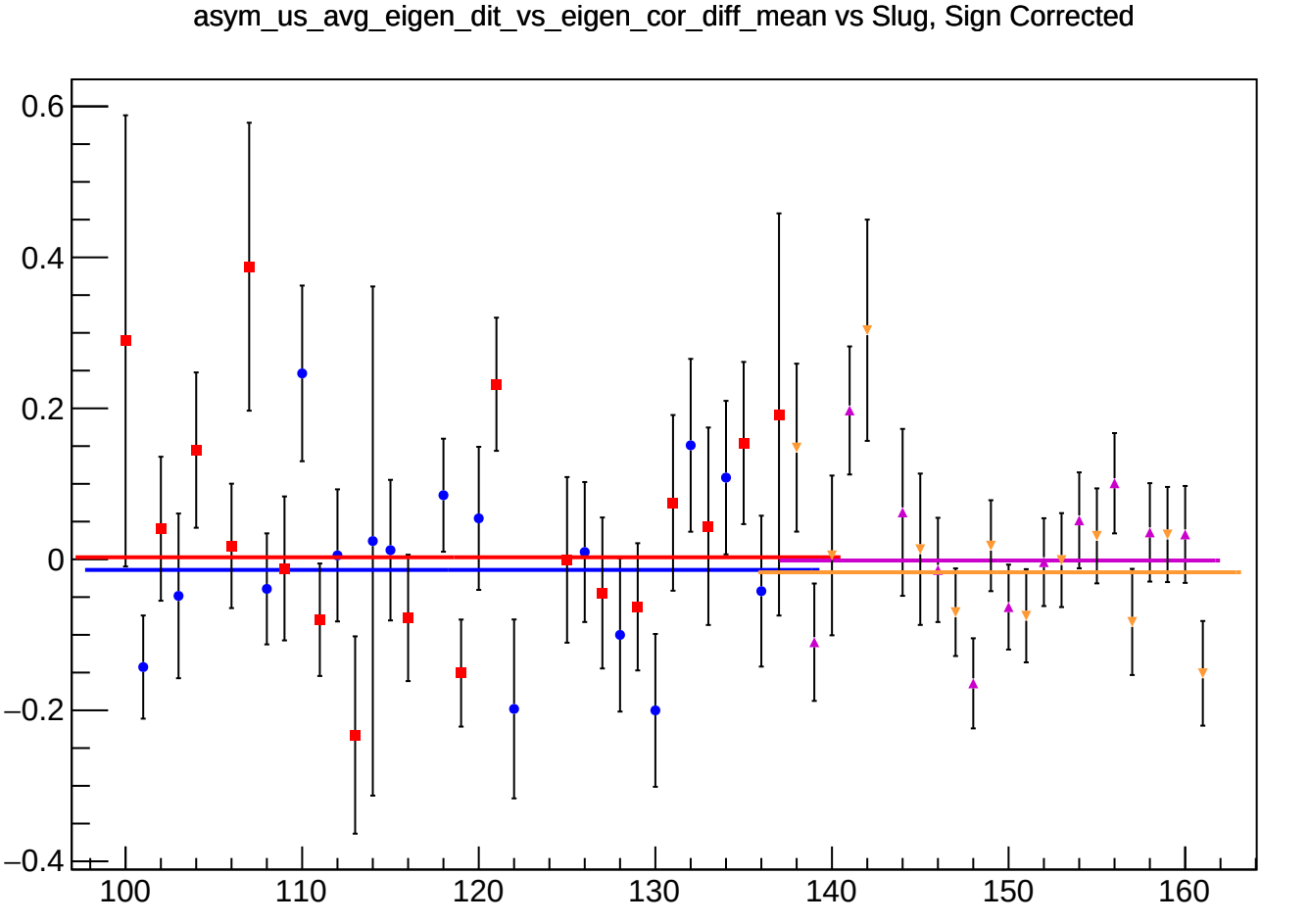
Left: 60.912+/-0.010 χ^2/NDF: 1246000.0/22

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

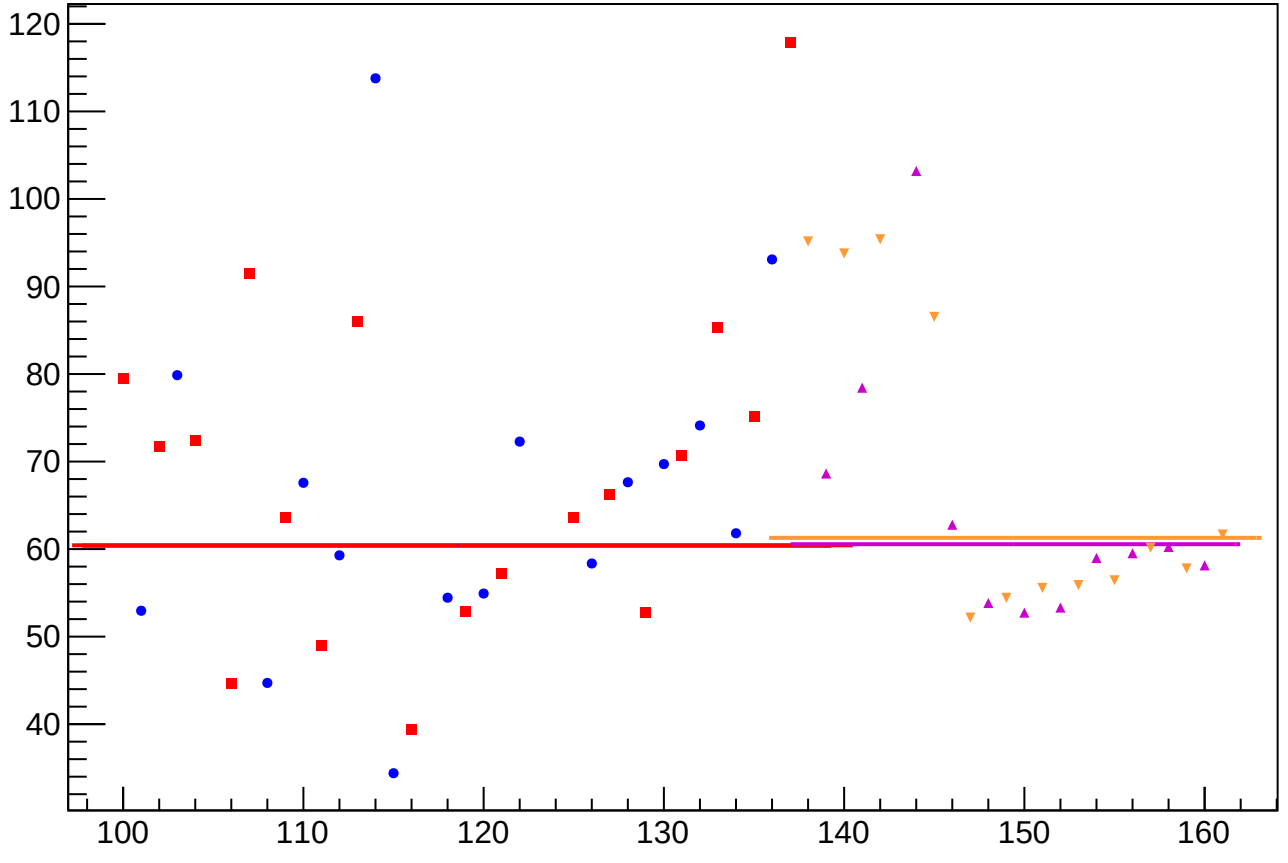
In: 60.490+/-0.011 χ^2/NDF:1212904.8/26

Out: 60.916+/-0.011 χ^2/NDF:1447635.6/29

All: 60.701+/-0.008 χ^2/NDF: 2661291.9/56


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.017+/-0.021 χ²/NDF:15.1/11
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.002+/-0.020 χ²/NDF:20.1/10
Left: -0.009+/-0.014 χ²/NDF: 35.5/22
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.007+/-0.015 χ²/NDF:41.6/26
Out: -0.009+/-0.016 χ²/NDF:43.2/29
All: -0.008+/-0.011 χ²/NDF: 84.9/56

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.284+/-0.015 χ^2/NDF:735056.8/11

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

Left In: 60.557+/-0.014 χ^2/NDF:509683.9/10

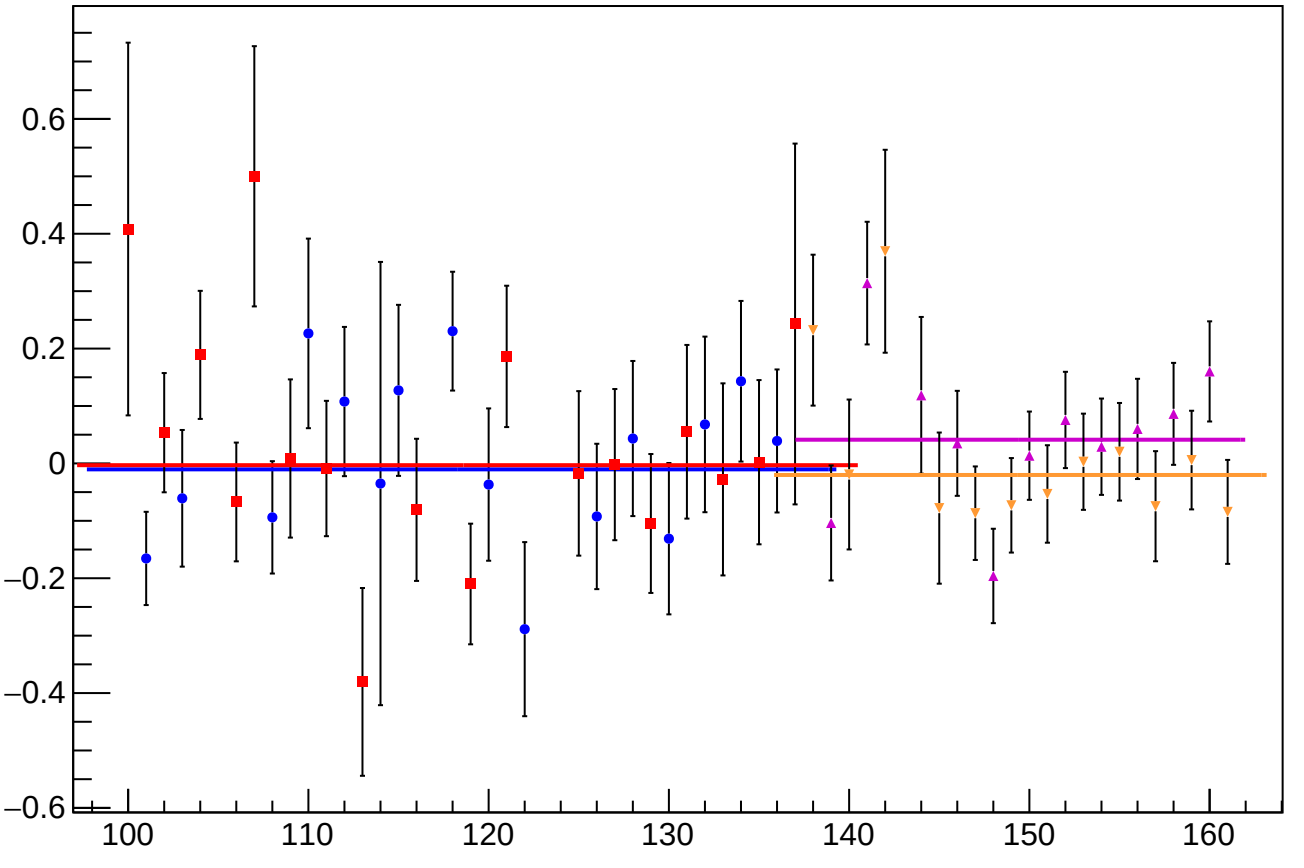
Left: 60.912+/-0.010 χ^2/NDF: 1246000.0/22

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

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

Out: 60.916+/-0.011 χ^2/NDF:1447635.6/29

All: 60.701+/-0.008 χ^2/NDF: 2661291.9/56



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

Left Out: -0.020+/-0.028 χ^2/NDF:11.2/11

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

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

Left: 0.011+/-0.019 χ^2/NDF: 33.4/22

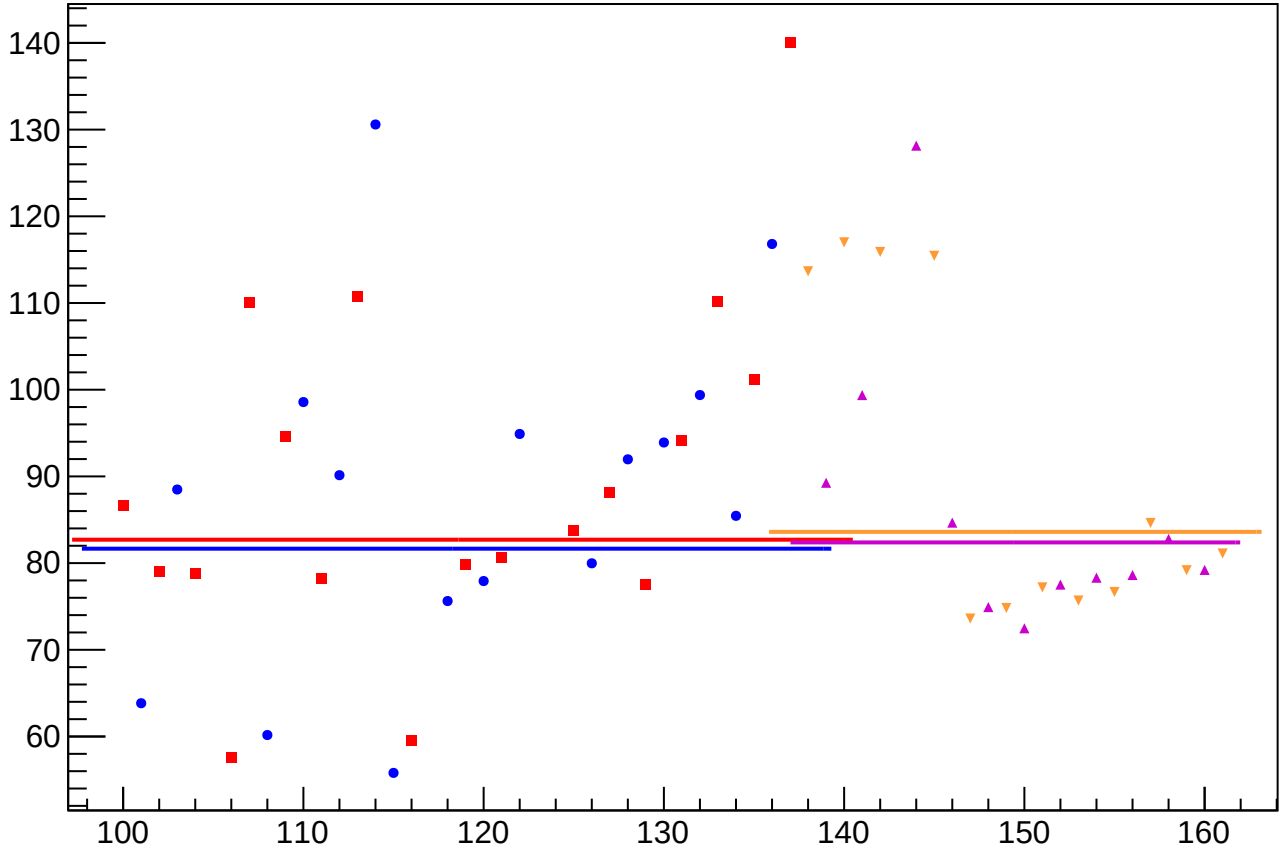
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.019+/-0.021 χ^2/NDF:41.5/26

Out: -0.013+/-0.021 χ^2/NDF:35.0/29

All: 0.004+/-0.015 χ^2/NDF: 77.7/56

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 83.604+/-0.020 χ^2/NDF:521723.3/11

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

Left In: 82.385+/-0.019 χ^2/NDF:353752.3/10

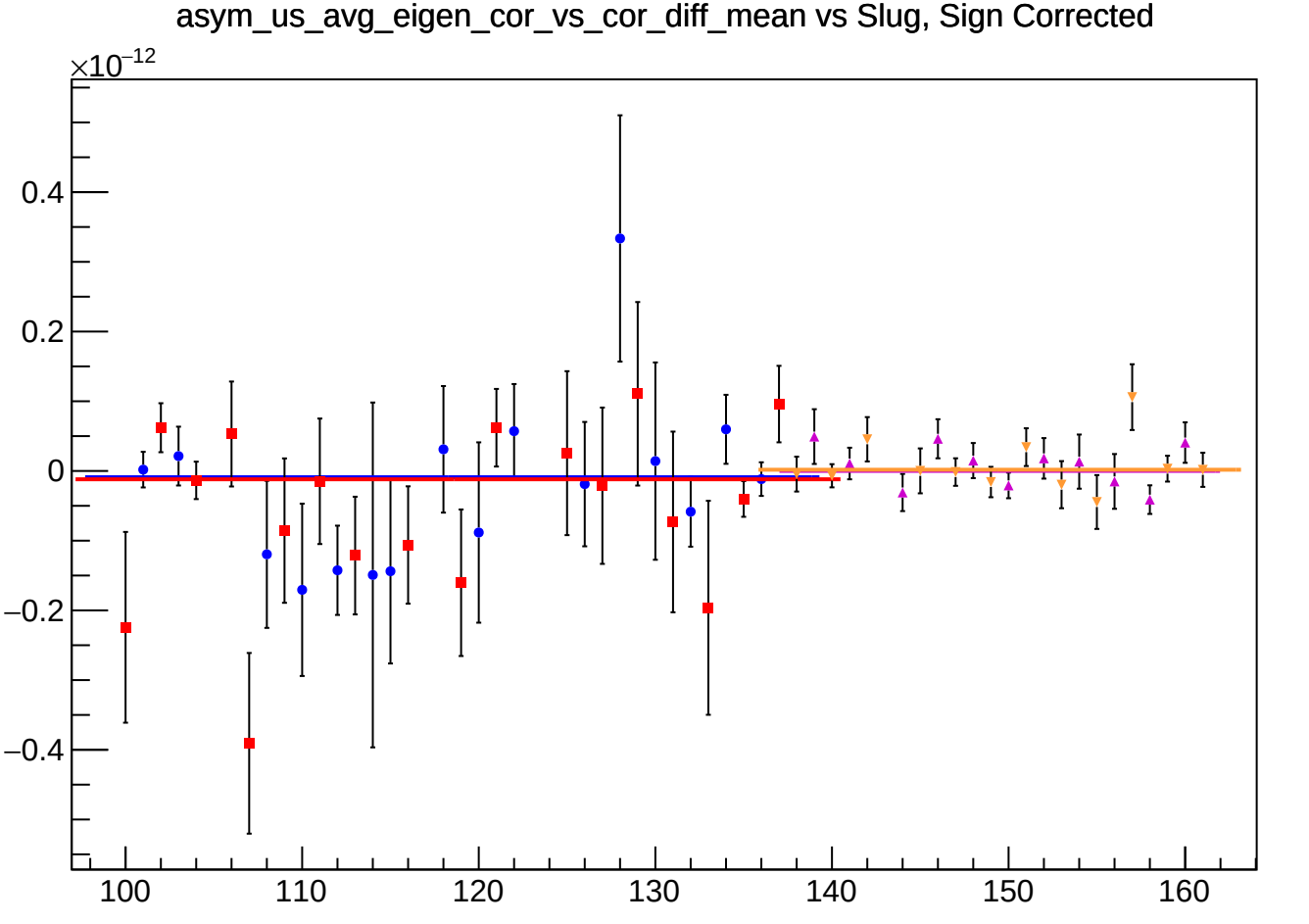
Left: 82.980+/-0.014 χ^2/NDF: 877435.2/22

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

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

Out: 83.211+/-0.015 χ^2/NDF:995701.2/29

All: 82.636+/-0.010 χ^2/NDF: 1914864.2/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/11

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

Left In: 0.000+/-0.000 χ^2/NDF:14.1/10

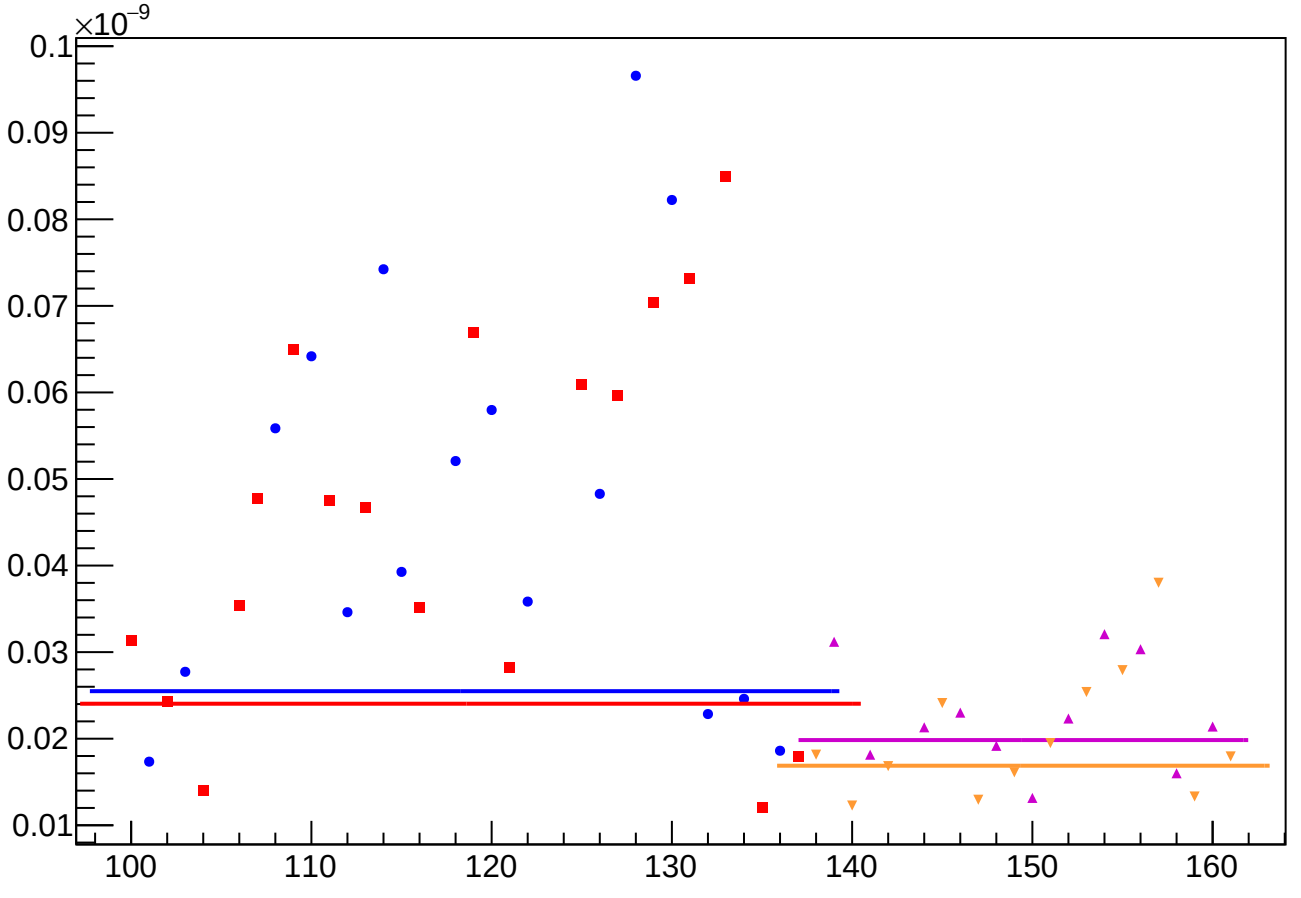
Left: 0.000+/-0.000 χ^2/NDF: 25.2/22

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

In: -0.000+/-0.000 χ^2/NDF:31.9/26

Out: -0.000+/-0.000 χ^2/NDF:42.9/29

All: -0.000+/-0.000 χ^2/NDF: 74.8/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:1128814.8/11

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

Left In: 0.000+/-0.000 χ^2/NDF:906657.7/10

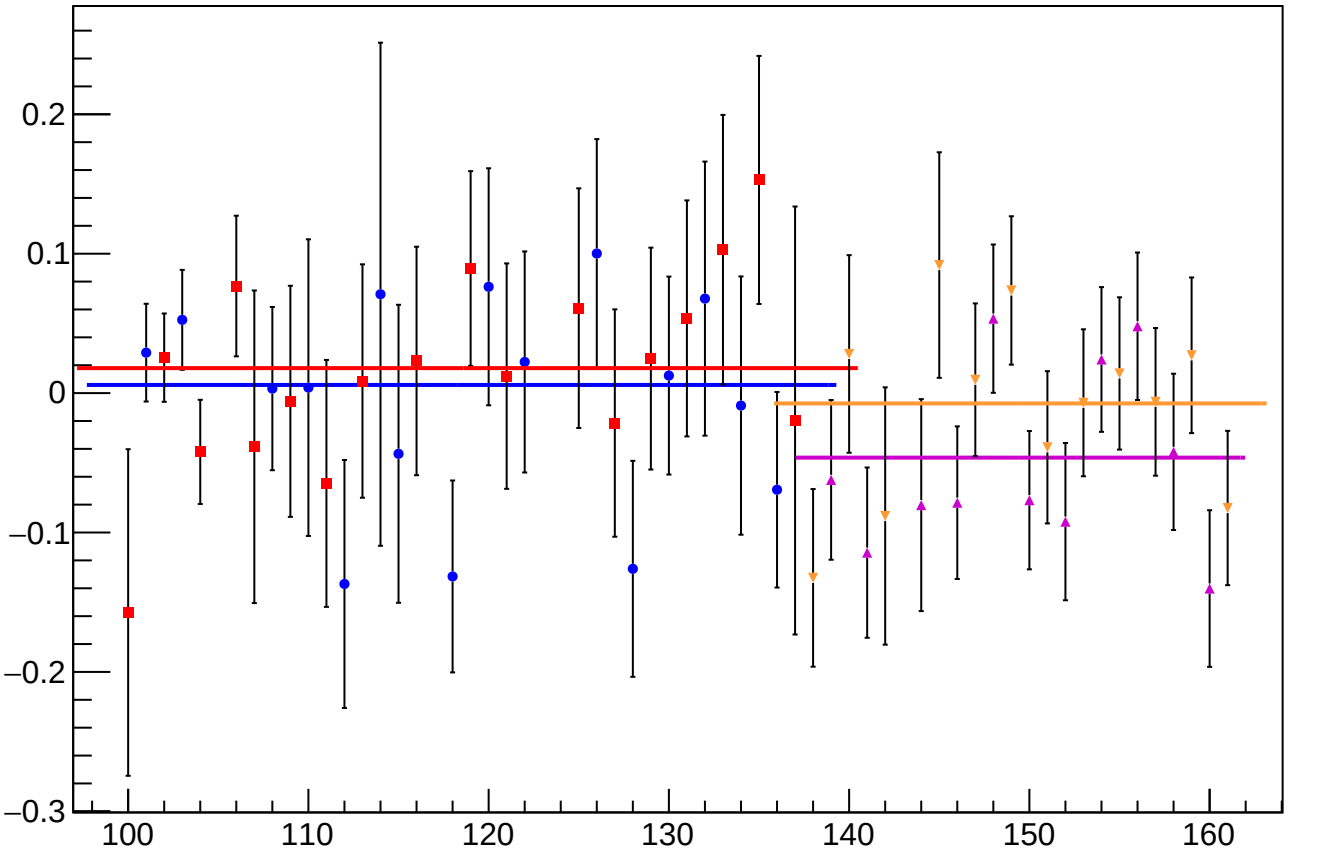
Left: 0.000+/-0.000 χ^2/NDF: 2189926.7/22

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

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

Out: 0.000+/-0.000 χ^2/NDF:4659172.5/29

All: 0.000+/-0.000 χ^2/NDF: 8026774.0/56



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

Left Out: -0.007+/-0.017 χ^2/NDF:11.5/11

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

Left In: -0.046+/-0.017 χ^2/NDF:14.2/10

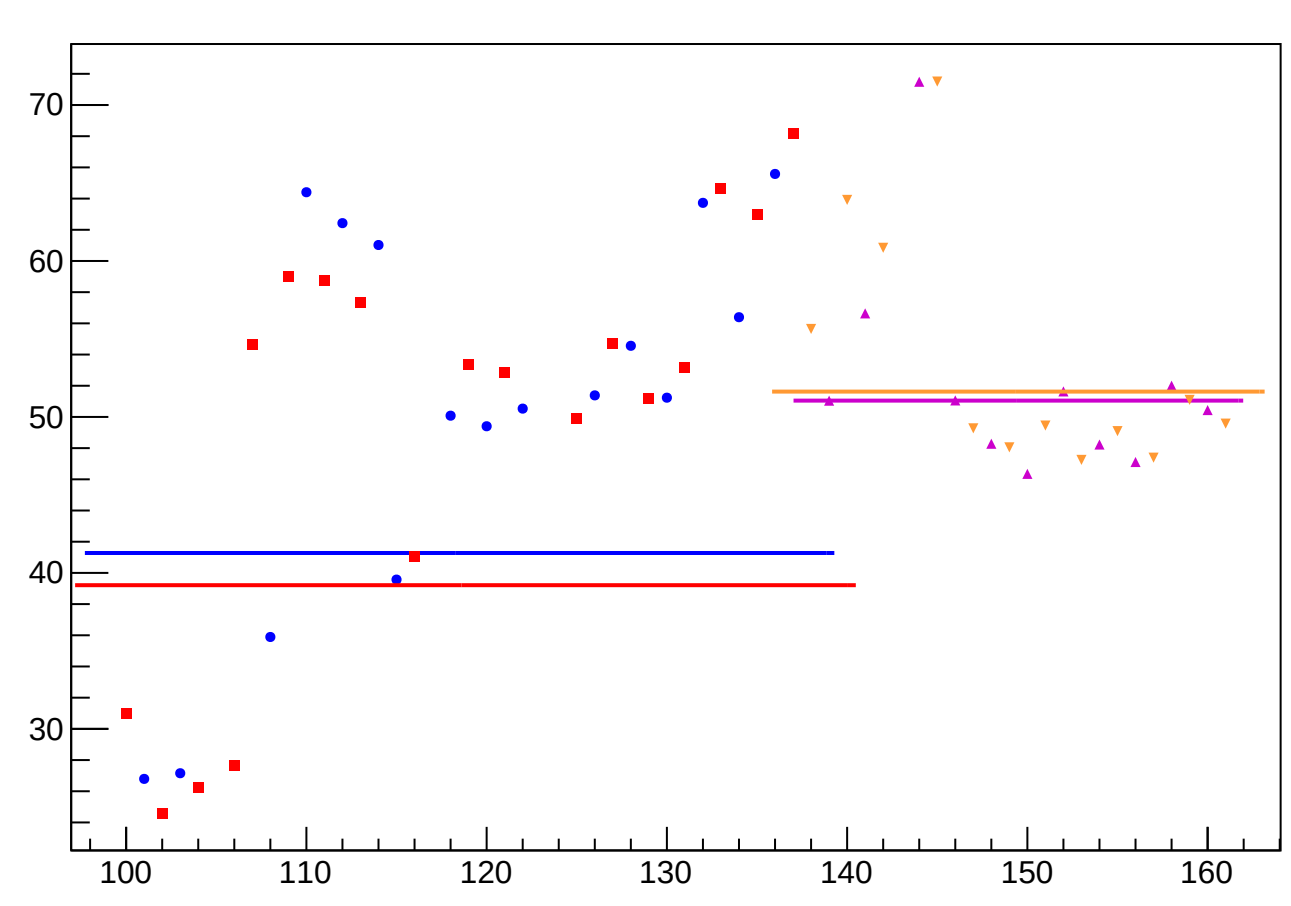
Left: -0.027+/-0.012 χ^2/NDF: 28.4/22

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.020+/-0.012 χ^2/NDF:34.7/26

Out: 0.006+/-0.012 χ^2/NDF:25.0/29

All: -0.006+/-0.008 χ^2/NDF: 62.2/56



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

Left Out: 51.625+/-0.012 χ^2/NDF:258545.6/11

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

Left In: 51.047+/-0.012 χ^2/NDF:202695.8/10

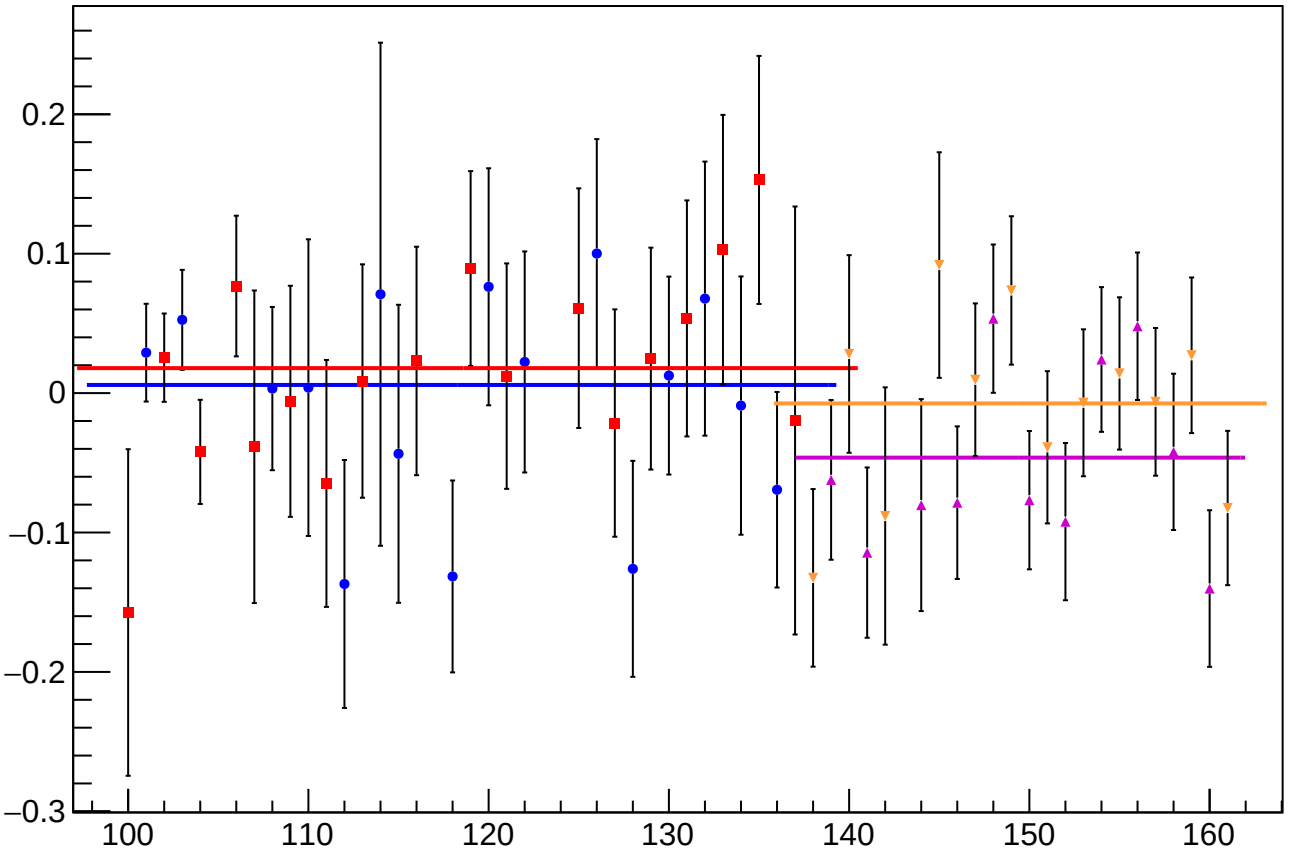
Left: 51.333+/-0.008 χ^2/NDF: 462405.0/22

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

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

Out: 44.918+/-0.008 χ^2/NDF:2650673.8/29

All: 45.479+/-0.006 χ^2/NDF: 4710737.5/56



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

Left Out: -0.007+/-0.017 χ^2/NDF:11.5/11

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

Left In: -0.046+/-0.017 χ^2/NDF:14.2/10

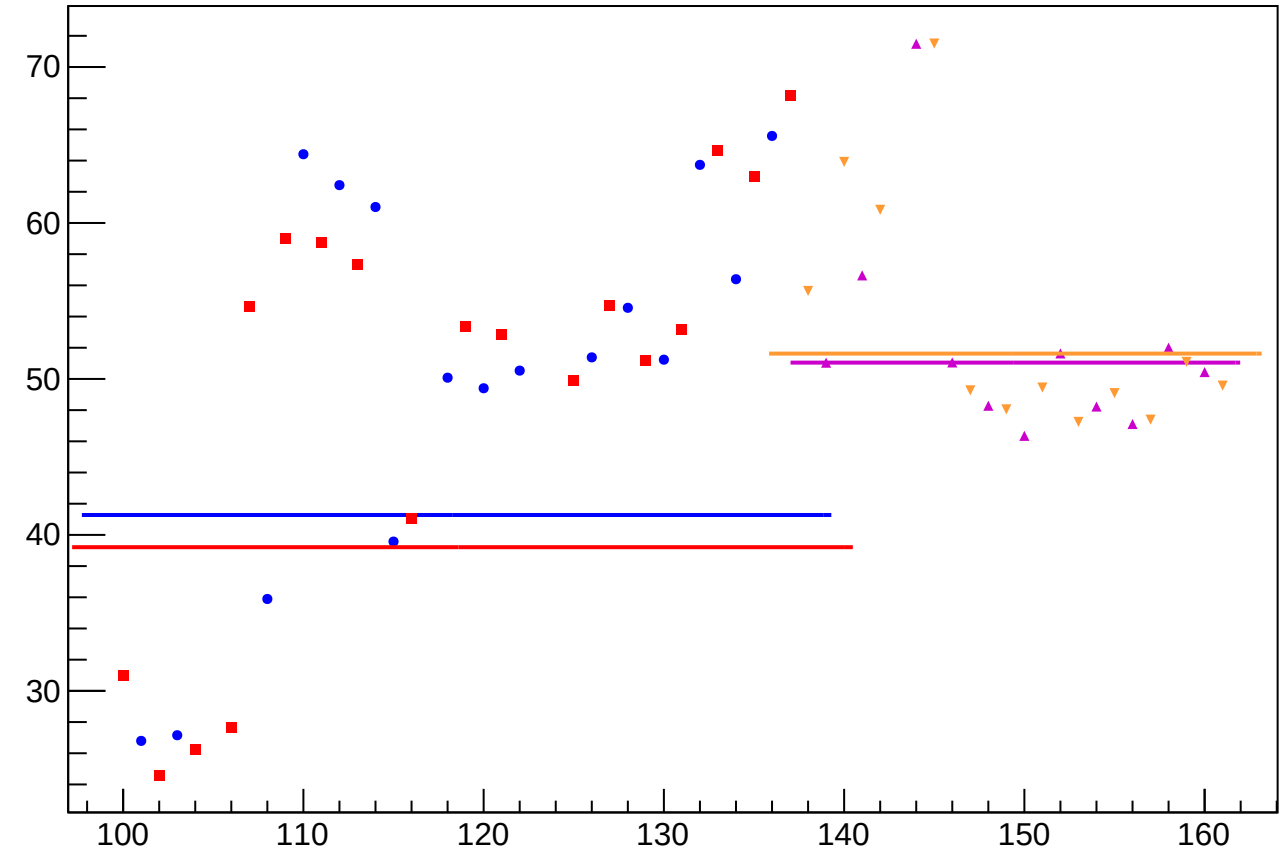
Left: -0.027+/-0.012 χ^2/NDF: 28.4/22

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.020+/-0.012 χ^2/NDF:34.7/26

Out: 0.006+/-0.012 χ^2/NDF:25.0/29

All: -0.006+/-0.008 χ^2/NDF: 62.2/56



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

Left Out: 51.625+/-0.012 χ^2/NDF:258545.6/11

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

Left In: 51.047+/-0.012 χ^2/NDF:202695.8/10

Left: 51.333+/-0.008 χ^2/NDF: 462405.0/22

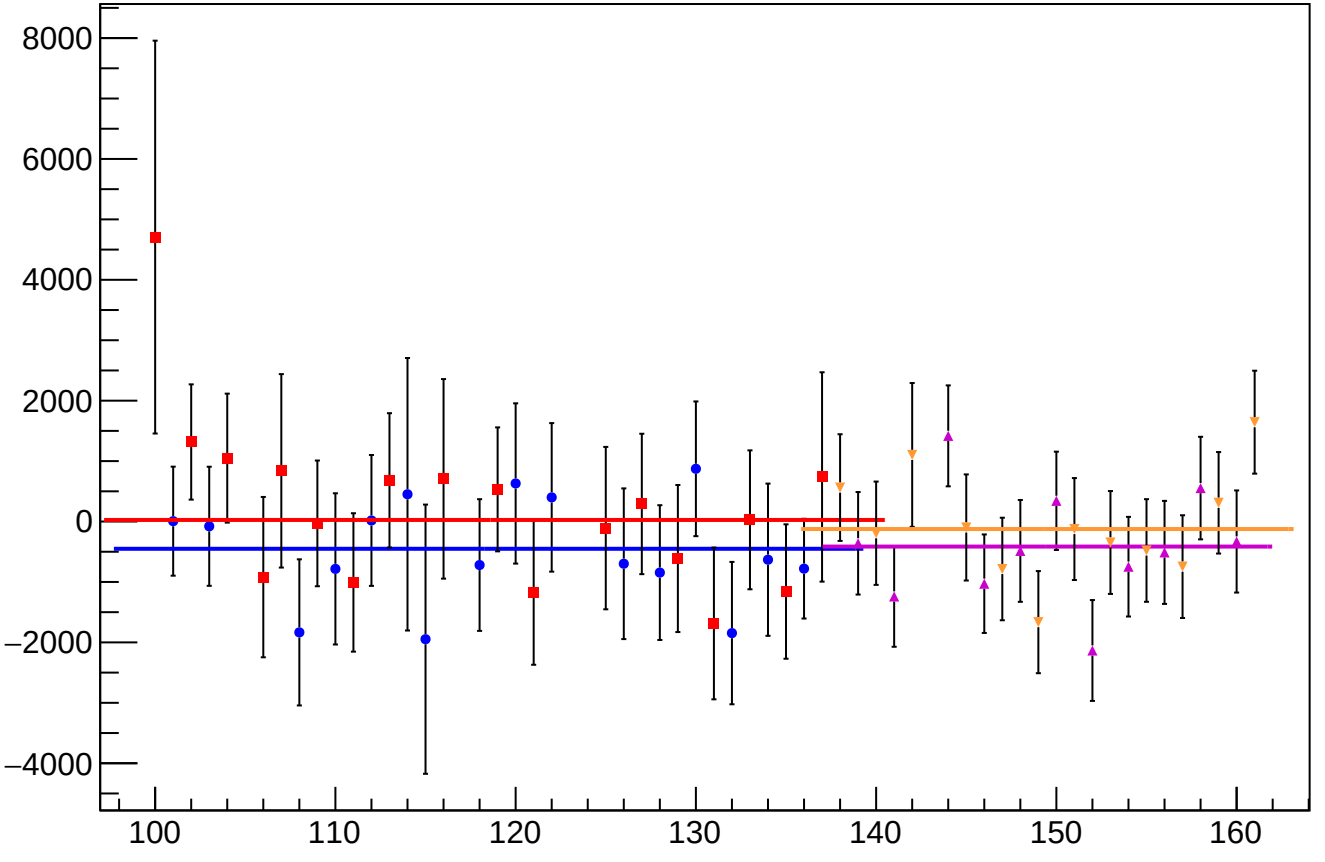
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 44.918+/-0.008 χ^2/NDF:2650673.8/29

All: 45.479+/-0.006 χ^2/NDF: 4710737.5/56

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

Left In: -414.415+/-251.877 χ^2/NDF:13.0/10

Left: -269.075+/-178.002 χ^2/NDF: 24.6/22

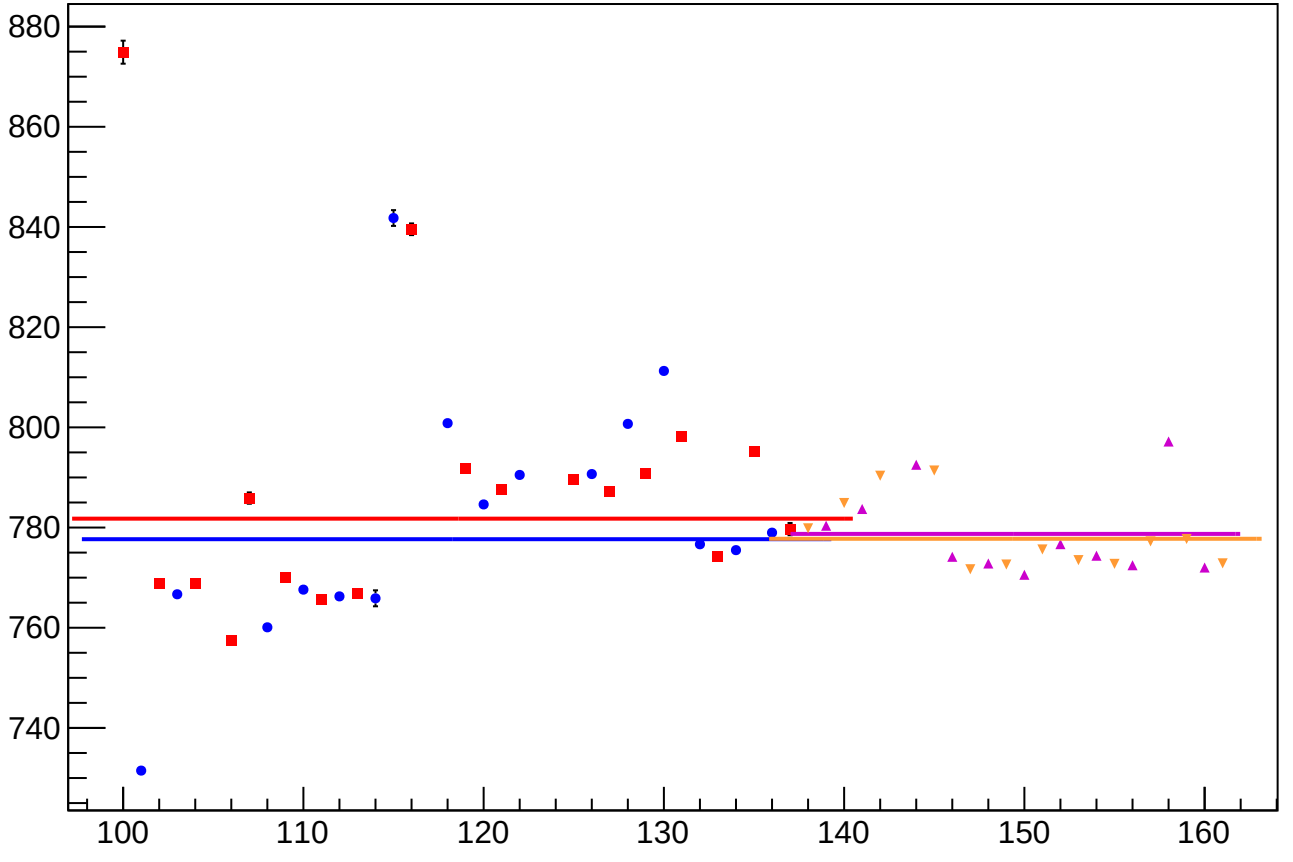
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -59.090+/-189.497 χ^2/NDF:22.8/29

All: -244.278+/-134.125 χ^2/NDF: 44.6/56

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

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

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

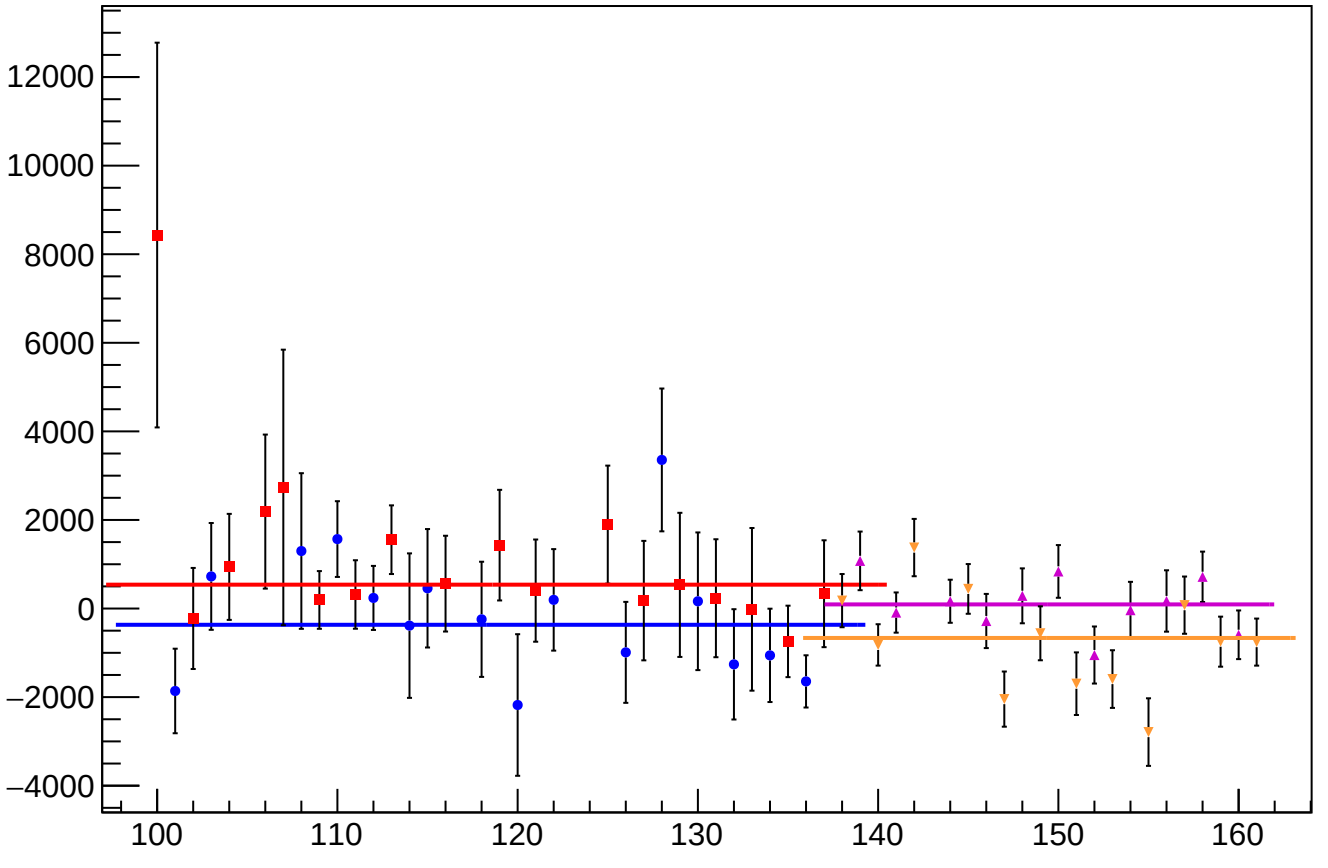
Left: 778.246+/-0.126 χ^2/NDF: 3481.4/22

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

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

Out: 779.497+/-0.134 χ^2/NDF:9080.0/29

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56



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

Left Out: -664.409+/-173.193 χ^2/NDF:34.2/11

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

Left In: 93.256+/-174.582 χ^2/NDF:10.4/10

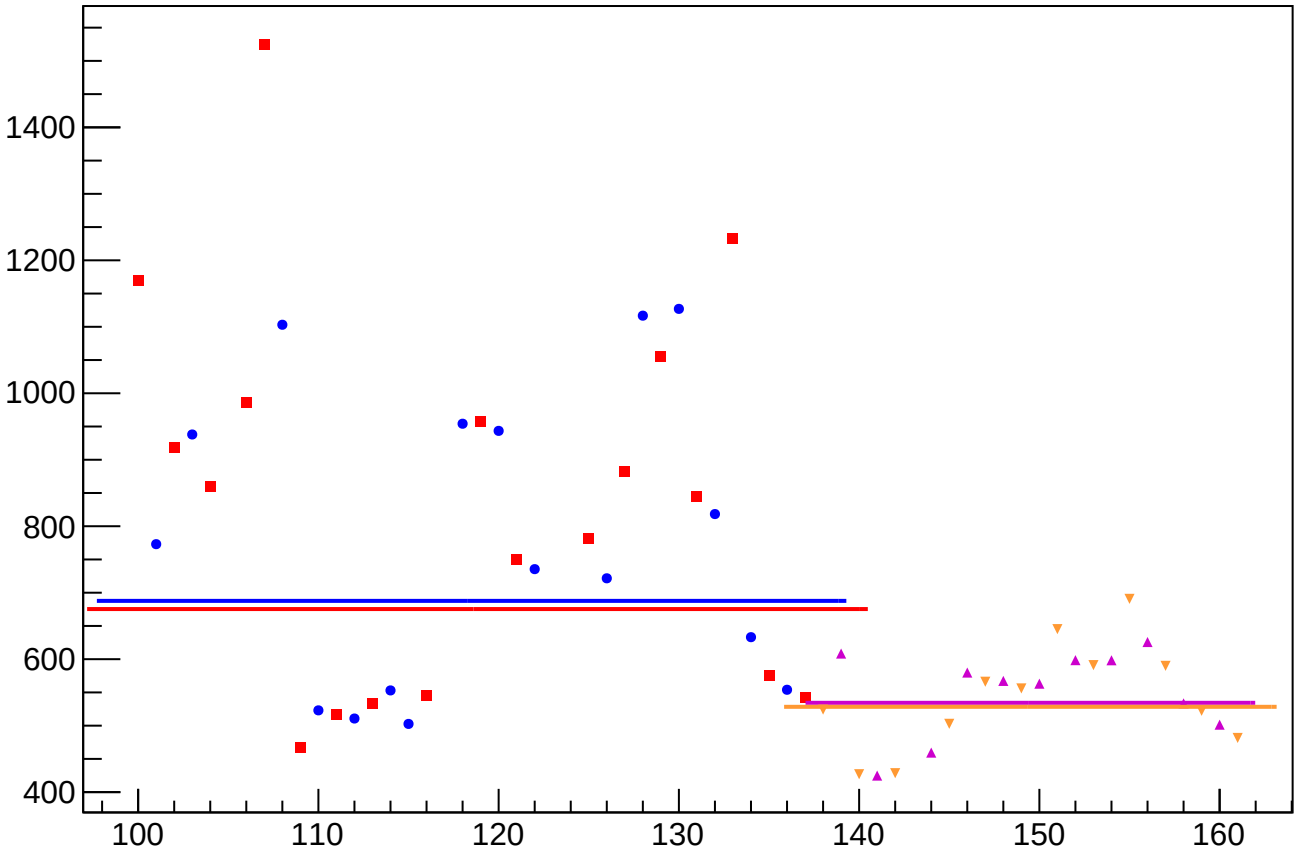
Left: -288.603+/-122.954 χ^2/NDF: 54.0/22

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

Out: -300.251+/-144.631 χ^2/NDF:60.4/29

All: -173.794+/-102.774 χ^2/NDF: 97.7/56



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

Left: 531.339+/-0.087 χ^2/NDF: 648687.1/22

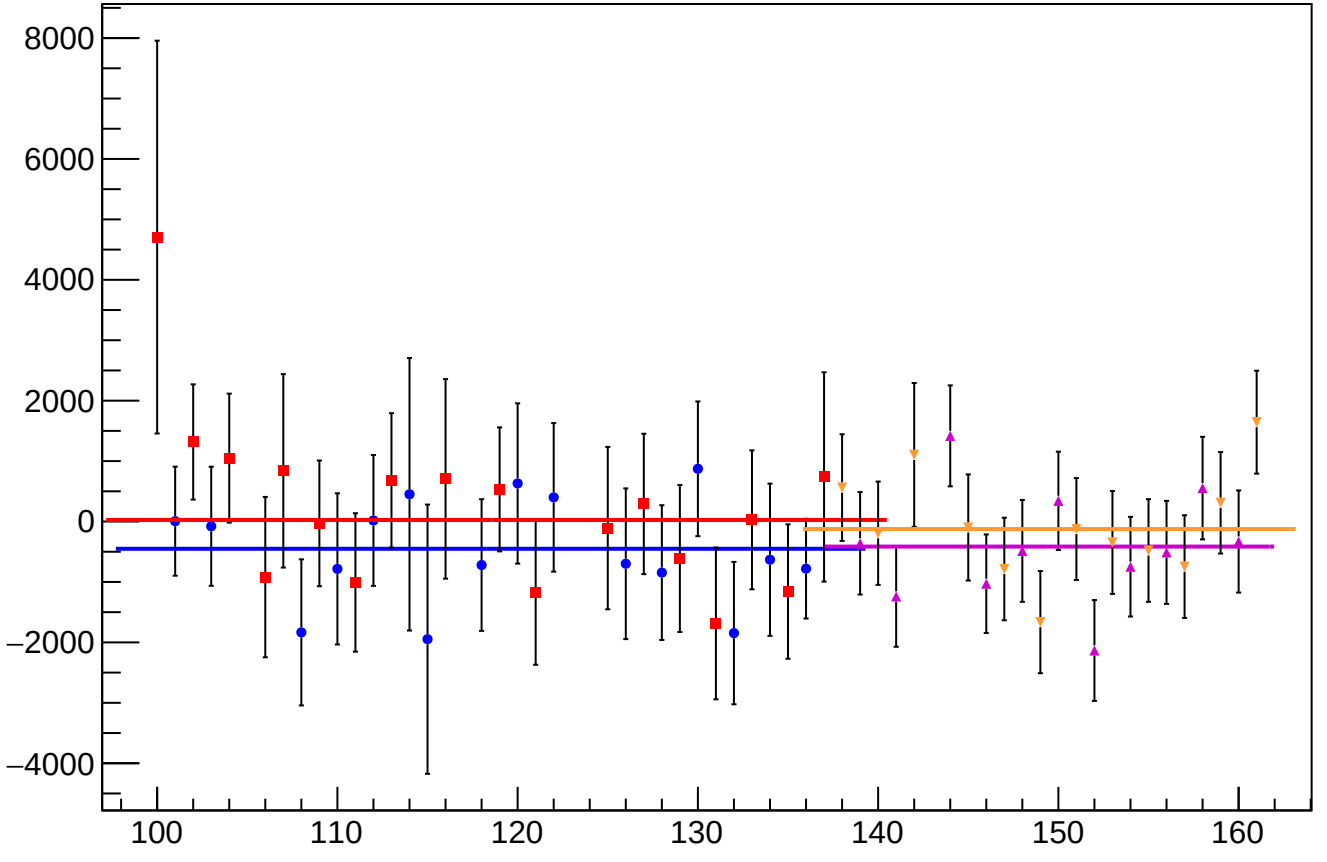
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 572.858+/-0.102 χ^2/NDF:2104666.9/29

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

Left In: -414.415+/-251.877 χ^2/NDF:13.0/10

Left: -269.075+/-178.002 χ^2/NDF: 24.6/22

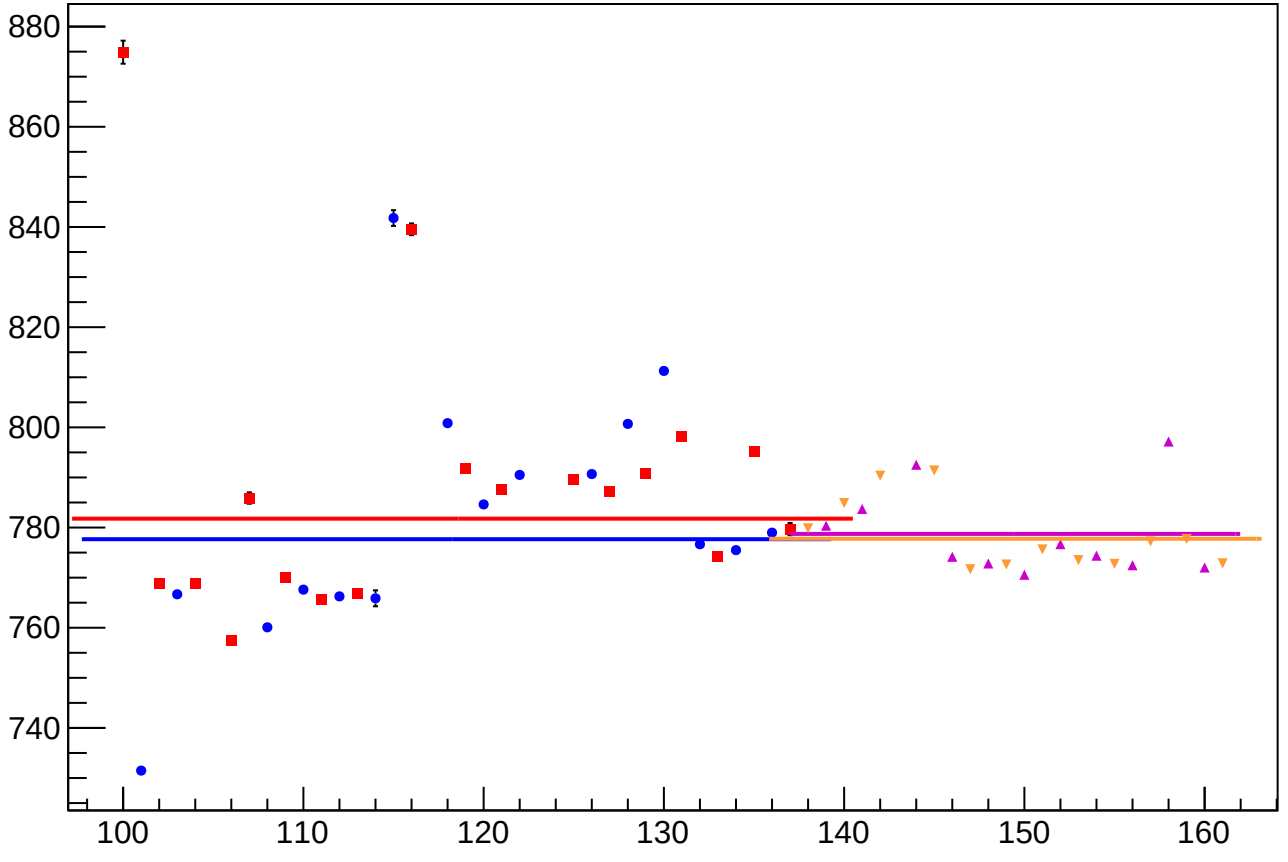
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -59.090+/-189.497 χ^2/NDF:22.8/29

All: -244.278+/-134.125 χ^2/NDF: 44.6/56

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

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

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

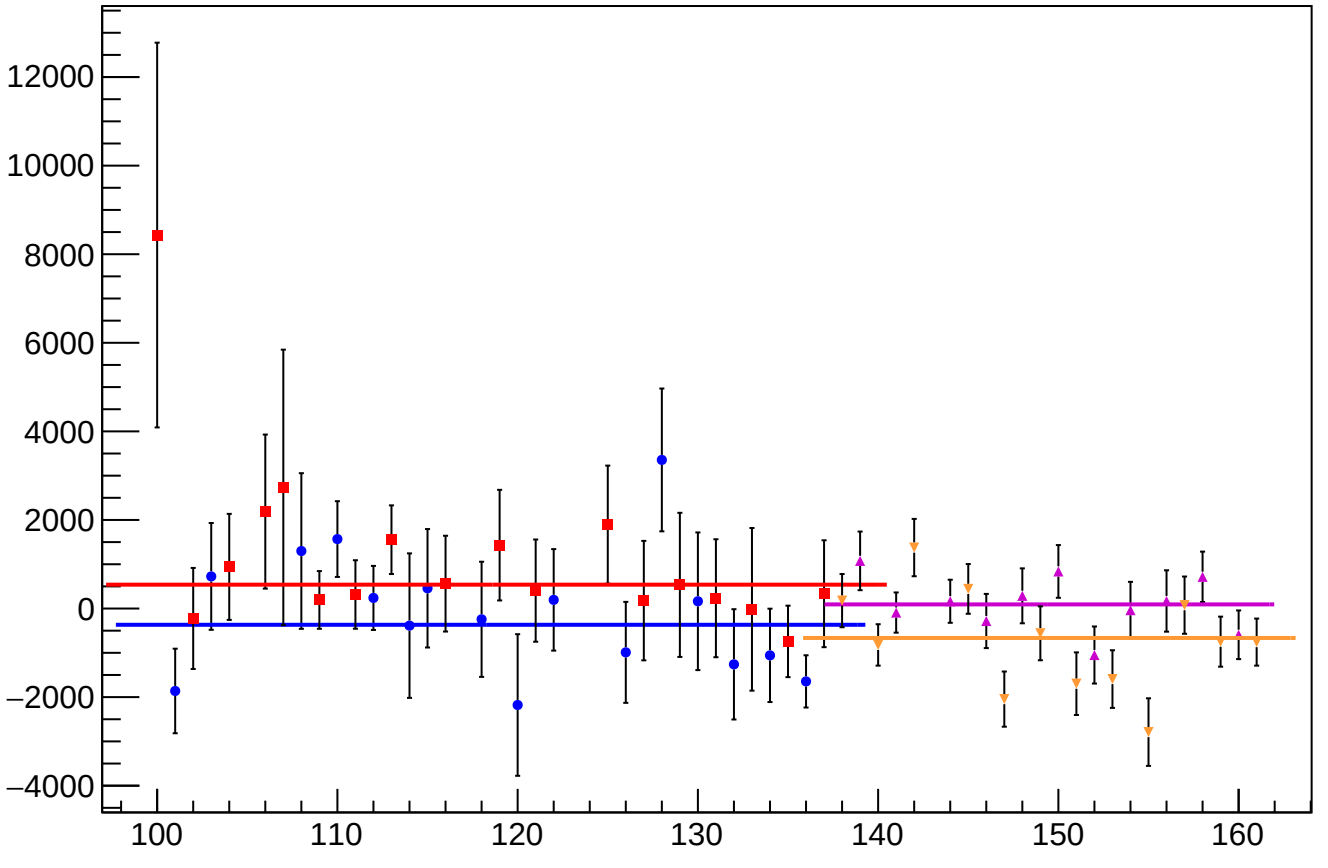
Left: 778.246+/-0.126 χ^2/NDF: 3481.4/22

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

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

Out: 779.497+/-0.134 χ^2/NDF:9080.0/29

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56



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

Left Out: -664.409+/-173.193 χ^2/NDF:34.2/11

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

Left In: 93.256+/-174.582 χ^2/NDF:10.4/10

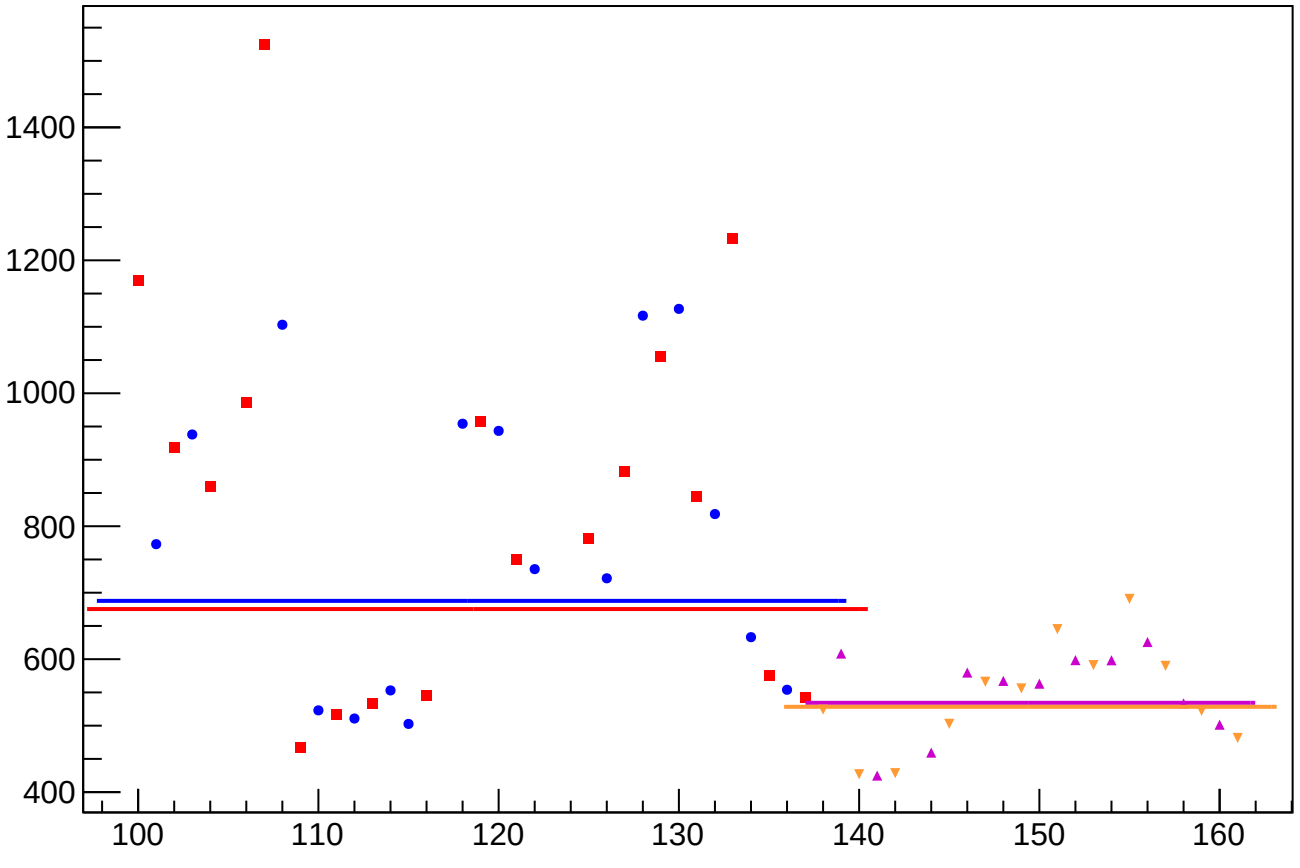
Left: -288.603+/-122.954 χ^2/NDF: 54.0/22

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

Out: -300.251+/-144.631 χ^2/NDF:60.4/29

All: -173.794+/-102.774 χ^2/NDF: 97.7/56



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

Left: 531.339+/-0.087 χ^2/NDF: 648687.1/22

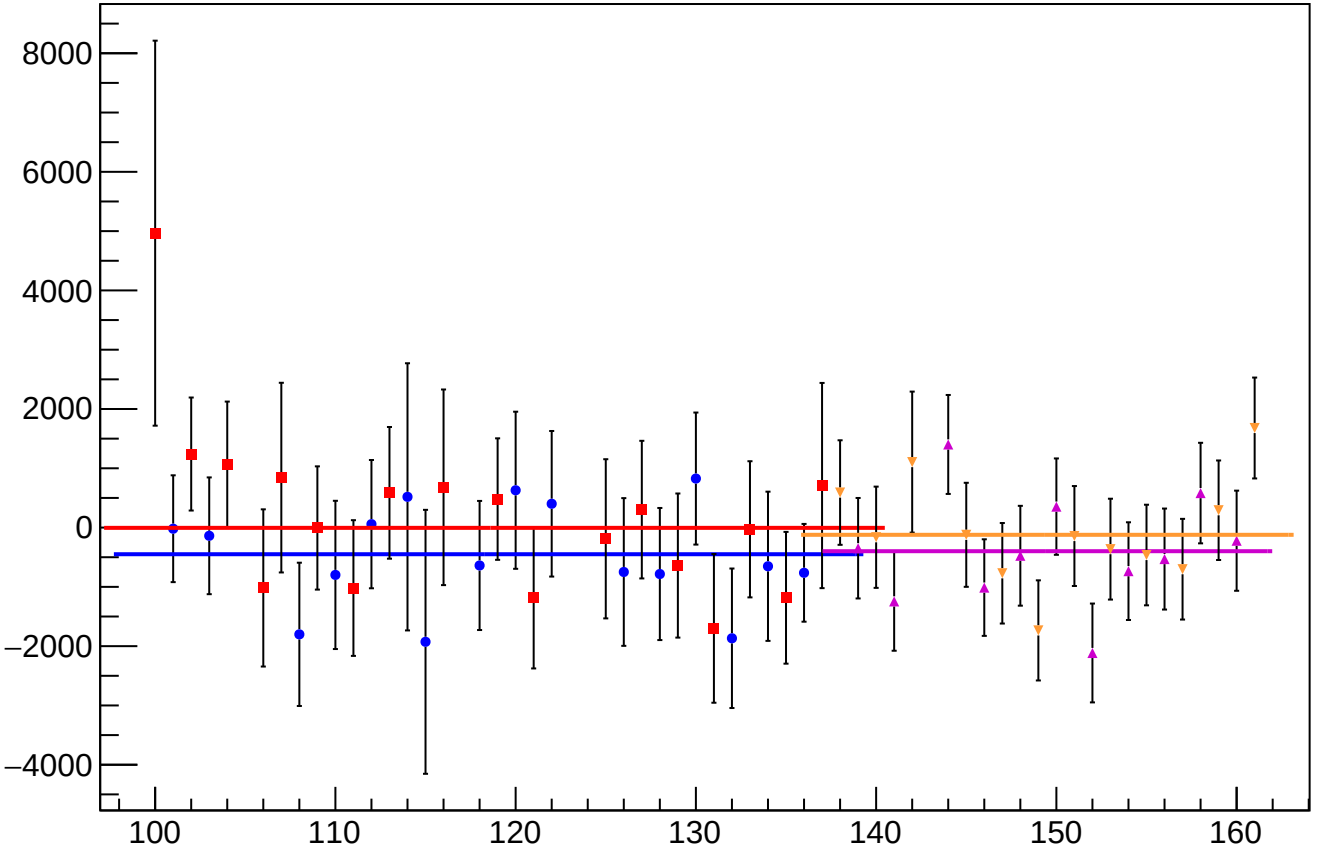
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 572.858+/-0.102 χ^2/NDF:2104666.9/29

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

overload_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -122.016+/-251.371 χ^2/NDF:11.4/11

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

Left In: -398.374+/-251.677 χ^2/NDF:12.9/10

Left: -260.027+/-177.854 χ^2/NDF: 24.9/22

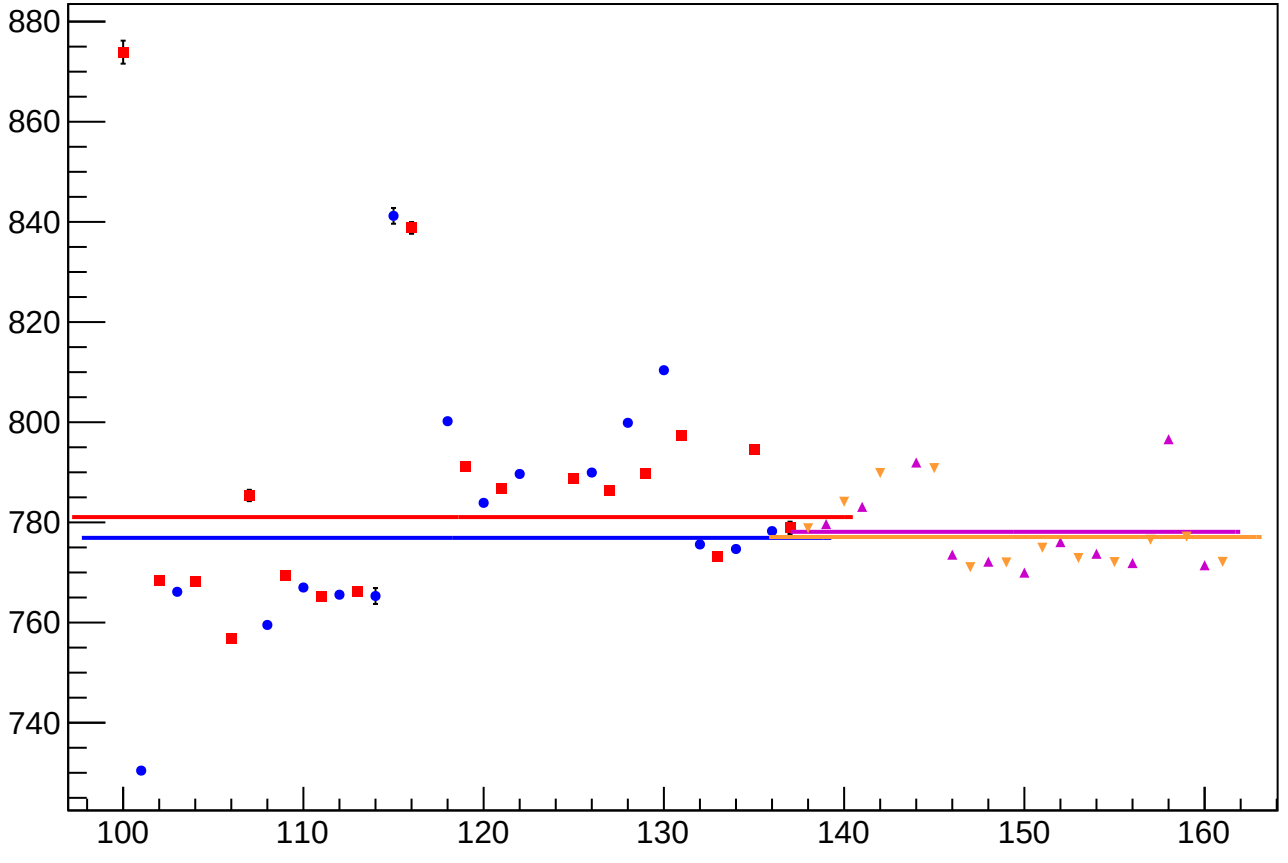
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

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

Out: -71.228+/-189.328 χ^2/NDF:23.3/29

All: -245.482+/-134.007 χ^2/NDF: 44.7/56

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.081+/-0.178 χ^2/NDF:1239.9/11

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

Left In: 778.116+/-0.178 χ^2/NDF:2244.5/10

Left: 777.598+/-0.126 χ^2/NDF: 3501.4/22

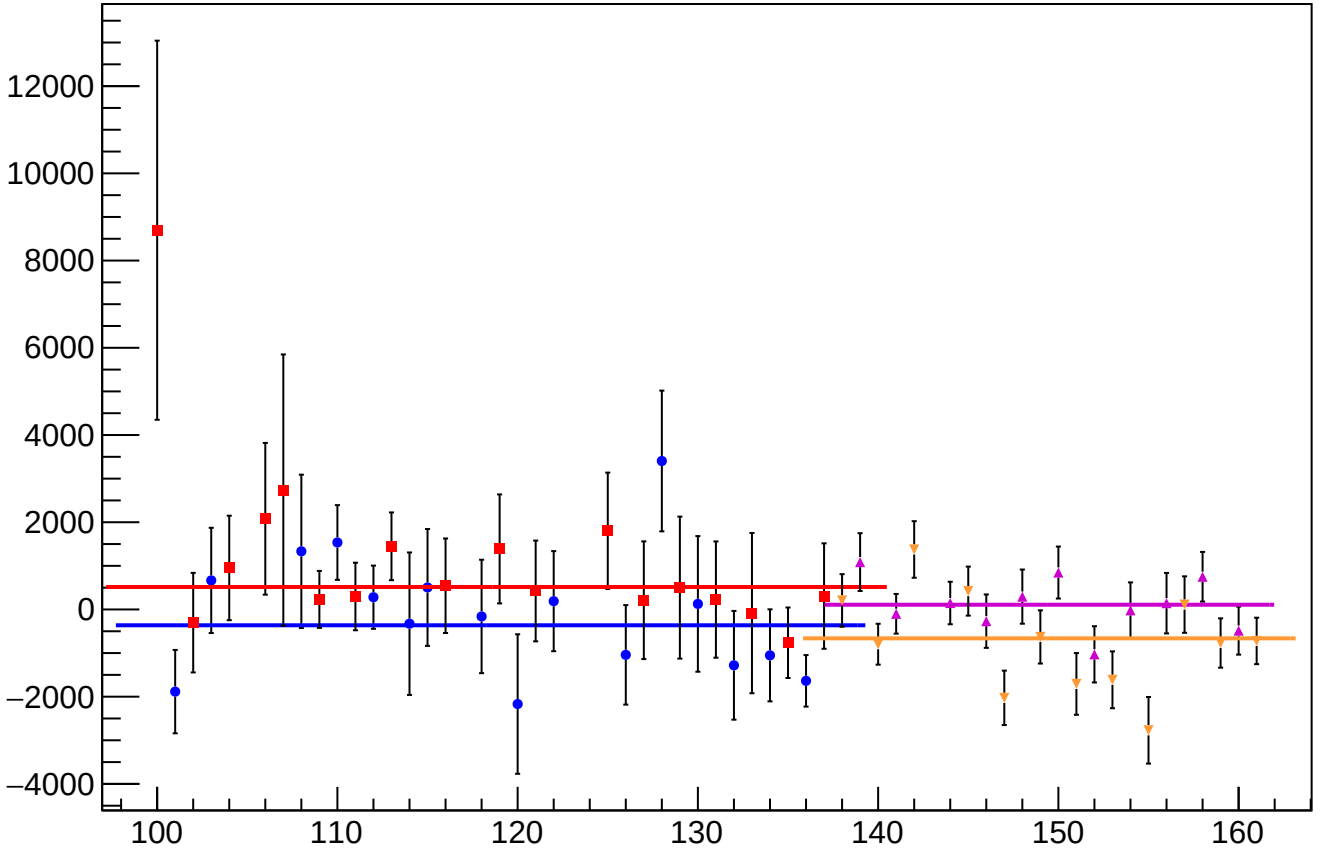
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 778.803+/-0.134 χ^2/NDF:9042.6/29

All: 778.201+/-0.095 χ^2/NDF: 23471.0/56

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -662.361+/-173.546 χ^2/NDF:33.9/11

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

Left In: 108.173+/-174.889 χ^2/NDF:10.0/10

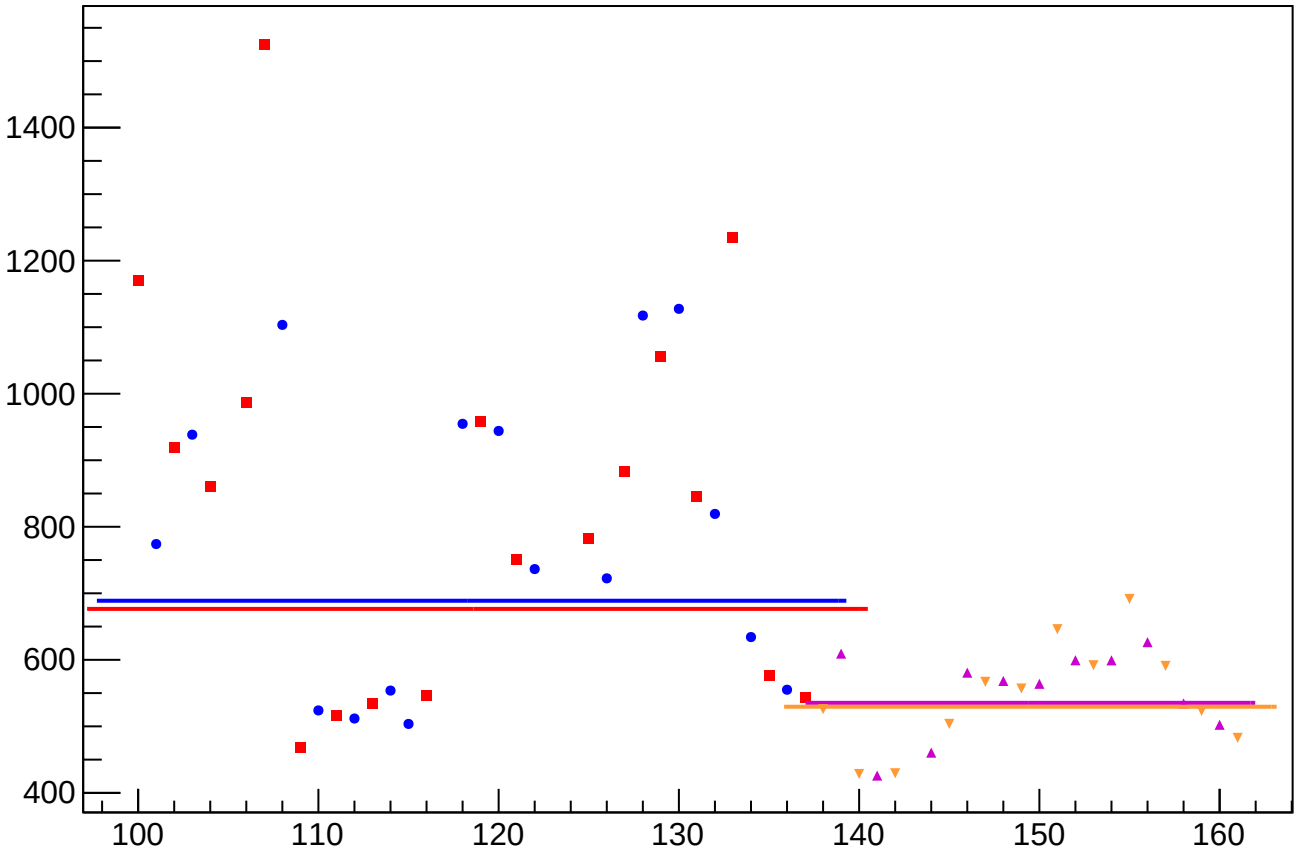
Left: -280.064+/-123.188 χ^2/NDF: 53.7/22

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

In: -33.168+/-146.313 χ^2/NDF:35.5/26

Out: -305.697+/-144.902 χ^2/NDF:59.3/29

All: -170.752+/-102.956 χ^2/NDF: 96.6/56



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

Left Out: 529.488+/-0.123 χ^2/NDF:352327.7/11

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

Left In: 535.347+/-0.124 χ^2/NDF:290209.1/10

Left: 532.395+/-0.087 χ^2/NDF: 643667.6/22

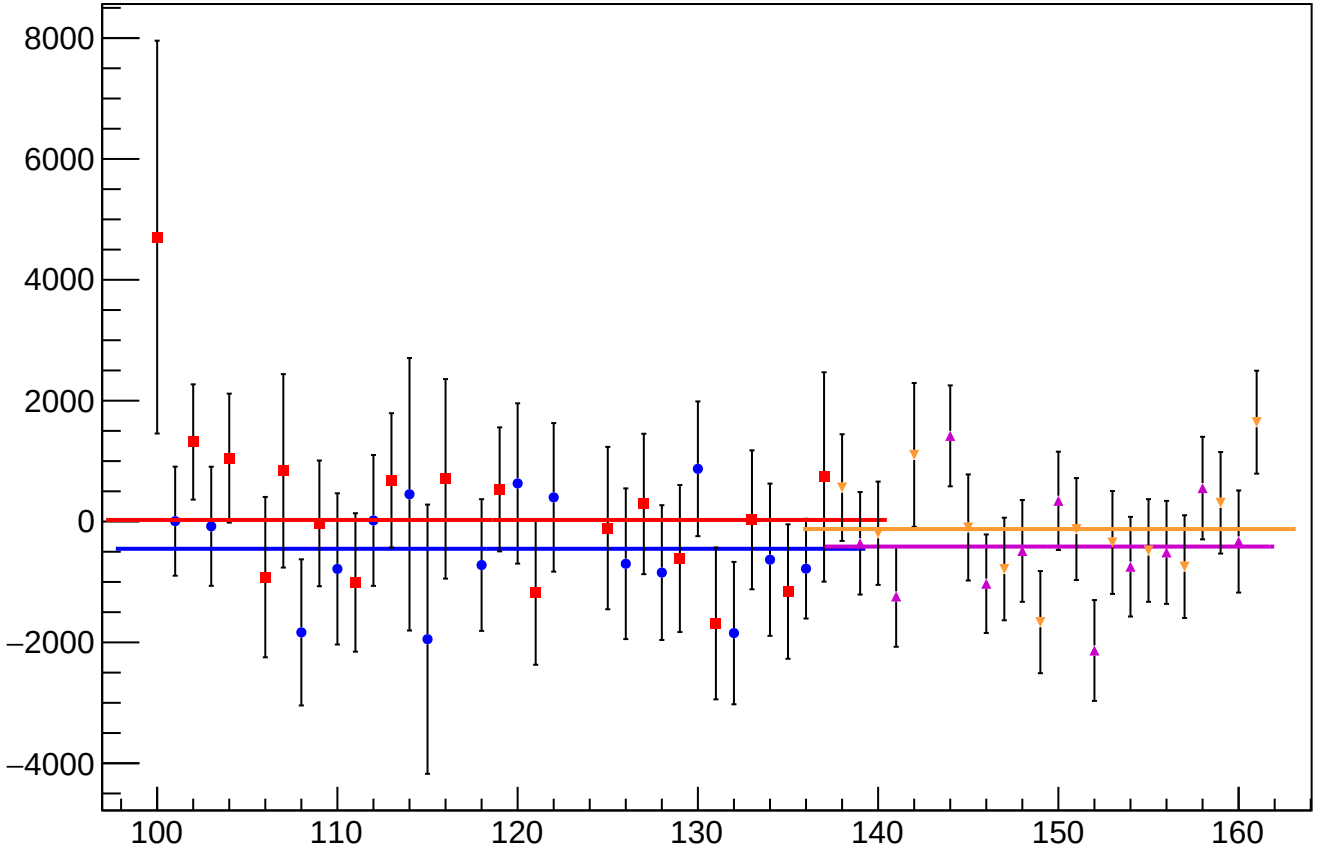
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

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

Out: 574.034+/-0.102 χ^2/NDF:2095446.4/29

All: 577.684+/-0.073 χ^2/NDF: 3878590.3/56

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

Left In: -414.415+/-251.877 χ^2/NDF:13.0/10

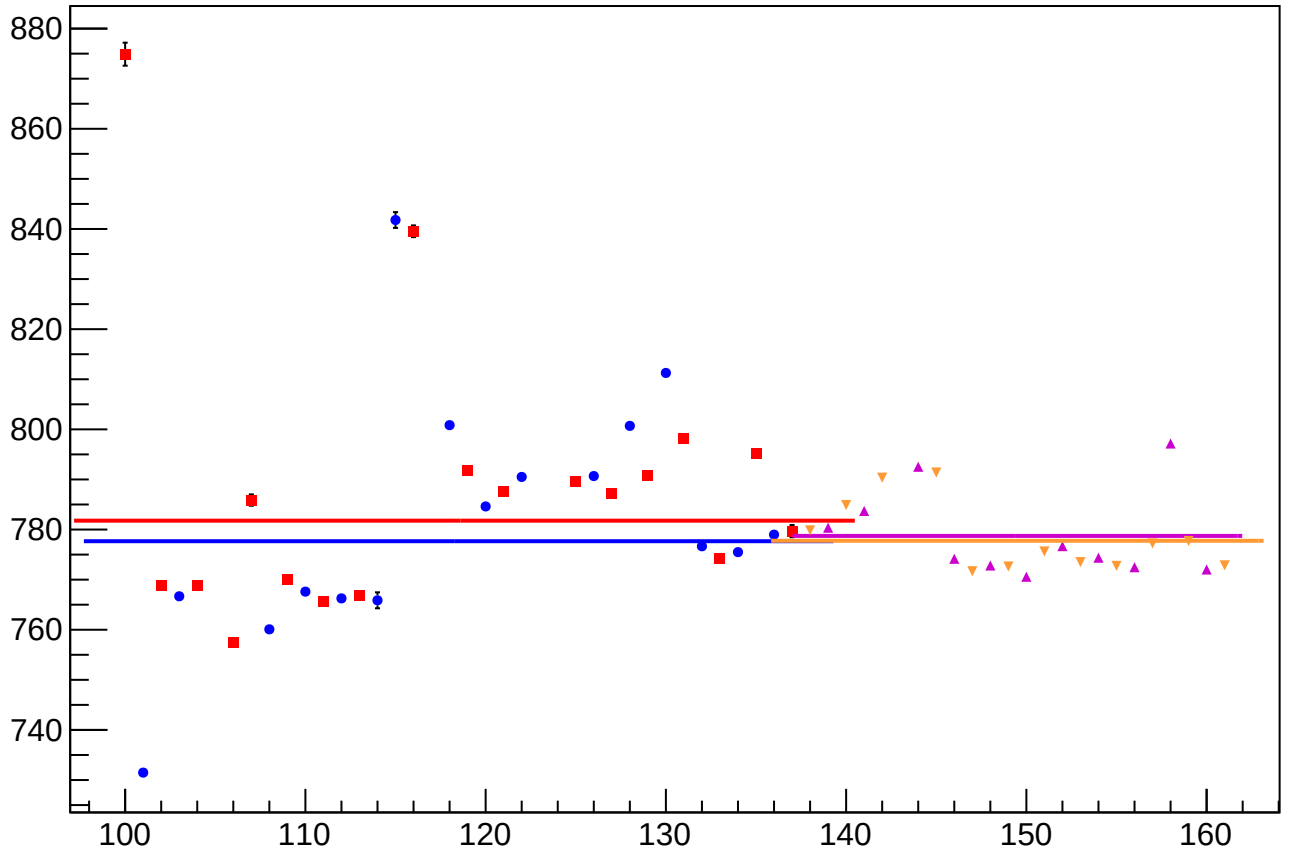
Left: -269.075+/-178.002 χ^2/NDF: 24.6/22

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

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

Out: -59.090+/-189.497 χ^2/NDF:22.8/29

All: -244.278+/-134.125 χ^2/NDF: 44.6/56



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

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

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

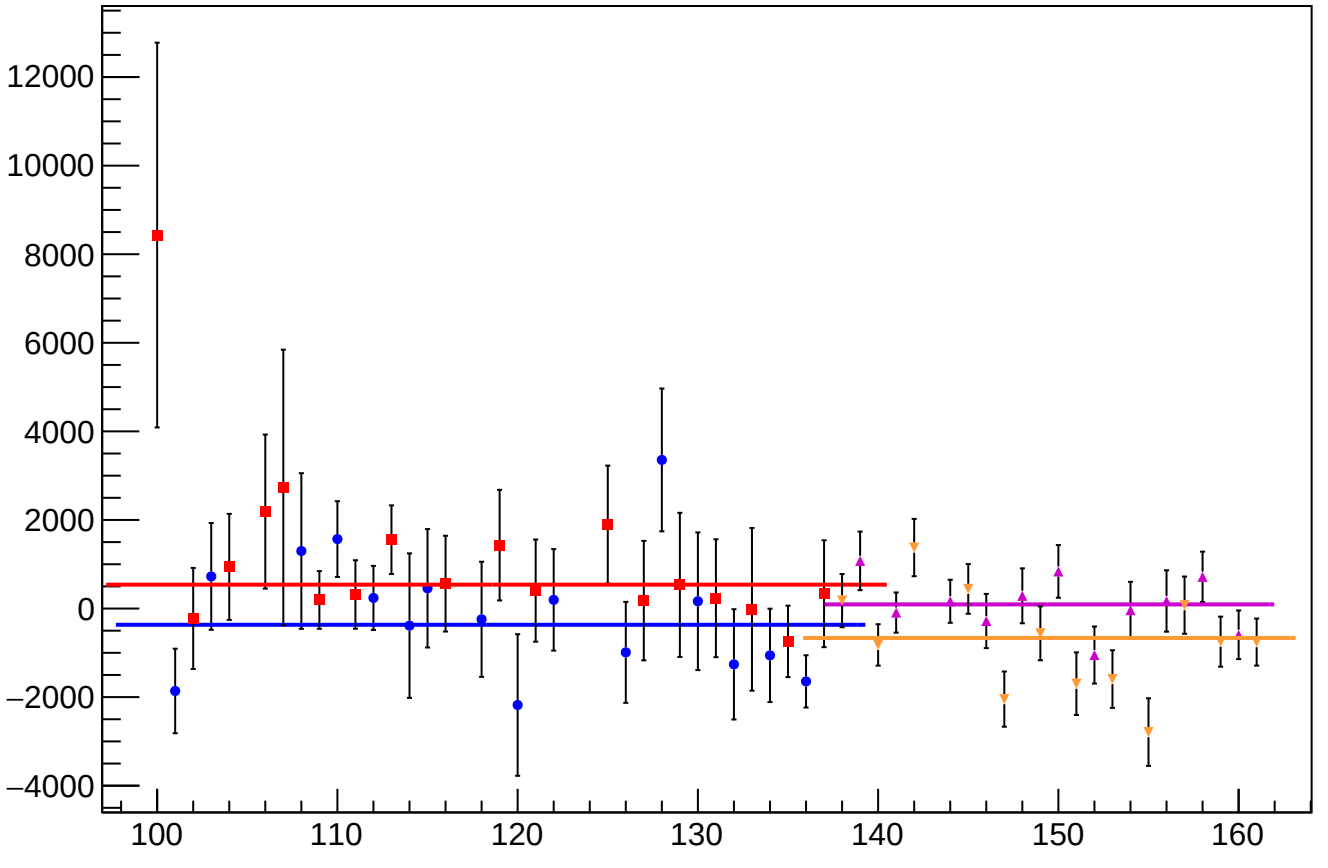
Left: 778.246+/-0.126 χ^2/NDF: 3481.4/22

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

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

Out: 779.497+/-0.134 χ^2/NDF:9080.0/29

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56



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

Left Out: -664.409+/-173.193 χ^2/NDF:34.2/11

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

Left In: 93.256+/-174.582 χ^2/NDF:10.4/10

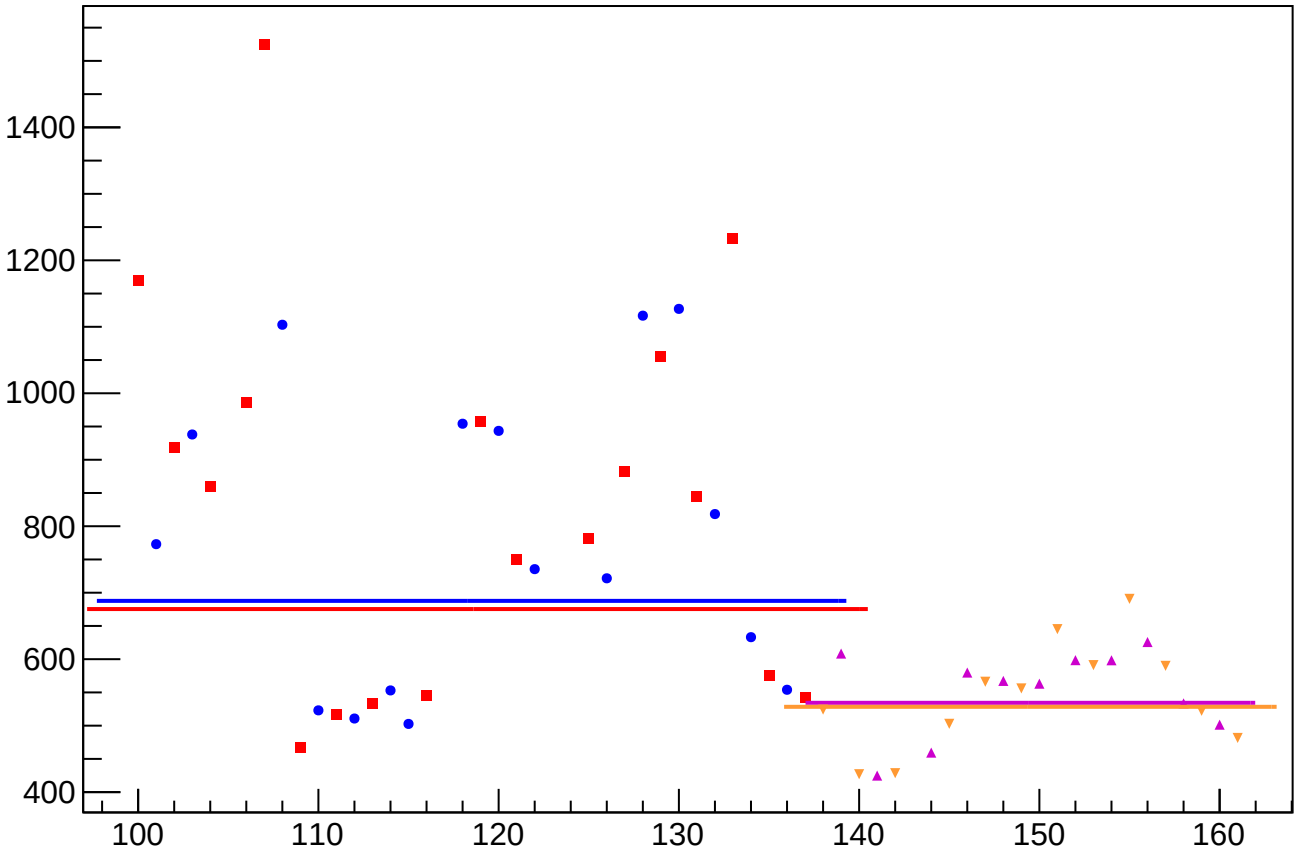
Left: -288.603+/-122.954 χ^2/NDF: 54.0/22

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

In: -44.809+/-146.069 χ^2/NDF:35.8/26

Out: -300.251+/-144.631 χ^2/NDF:60.4/29

All: -173.794+/-102.774 χ^2/NDF: 97.7/56



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

Left: 531.339+/-0.087 χ^2/NDF: 648687.1/22

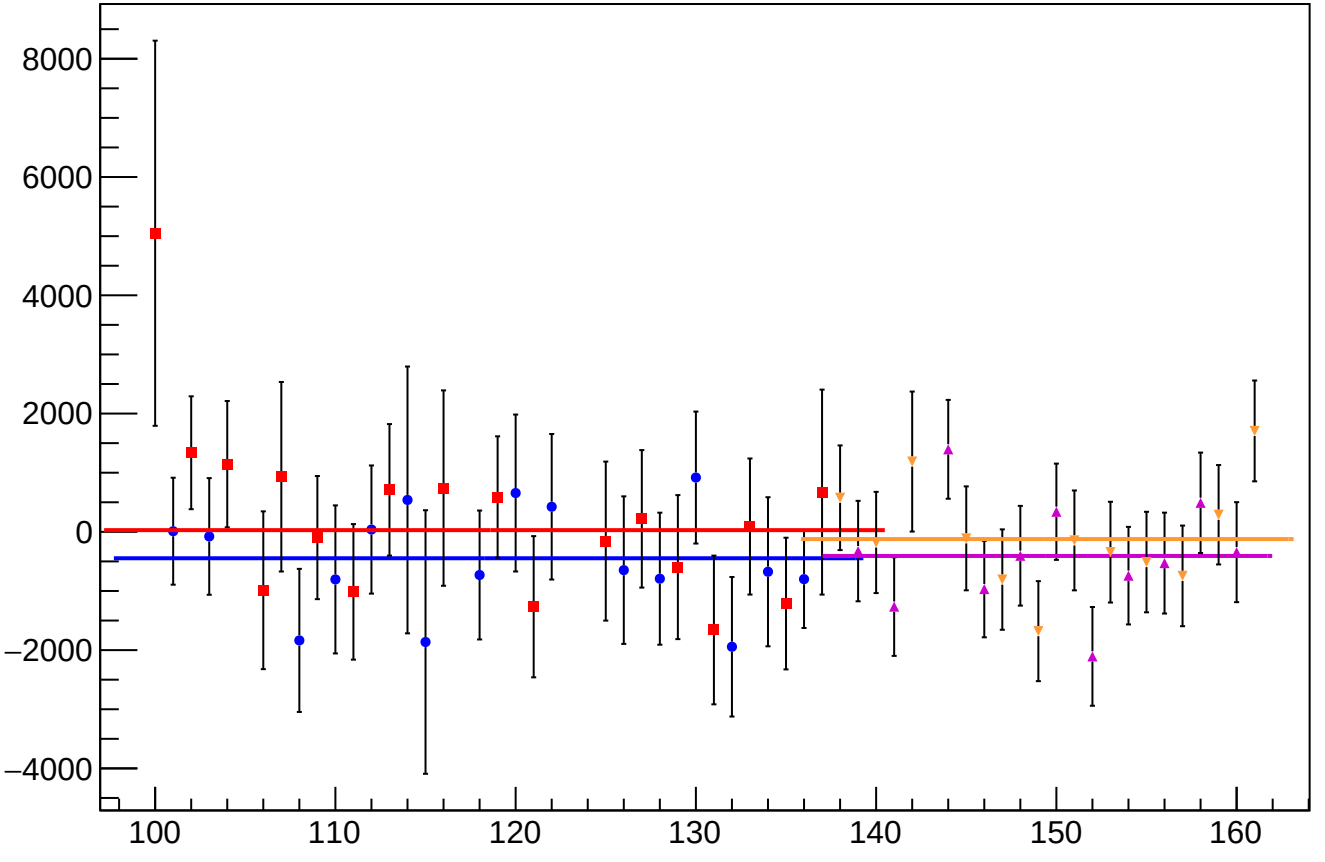
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 572.858+/-0.102 χ^2/NDF:2104666.9/29

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -122.137+/-251.771 χ^2/NDF:11.6/11

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

Left In: -407.662+/-252.064 χ^2/NDF:12.5/10

Left: -264.733+/-178.132 χ^2/NDF: 24.7/22

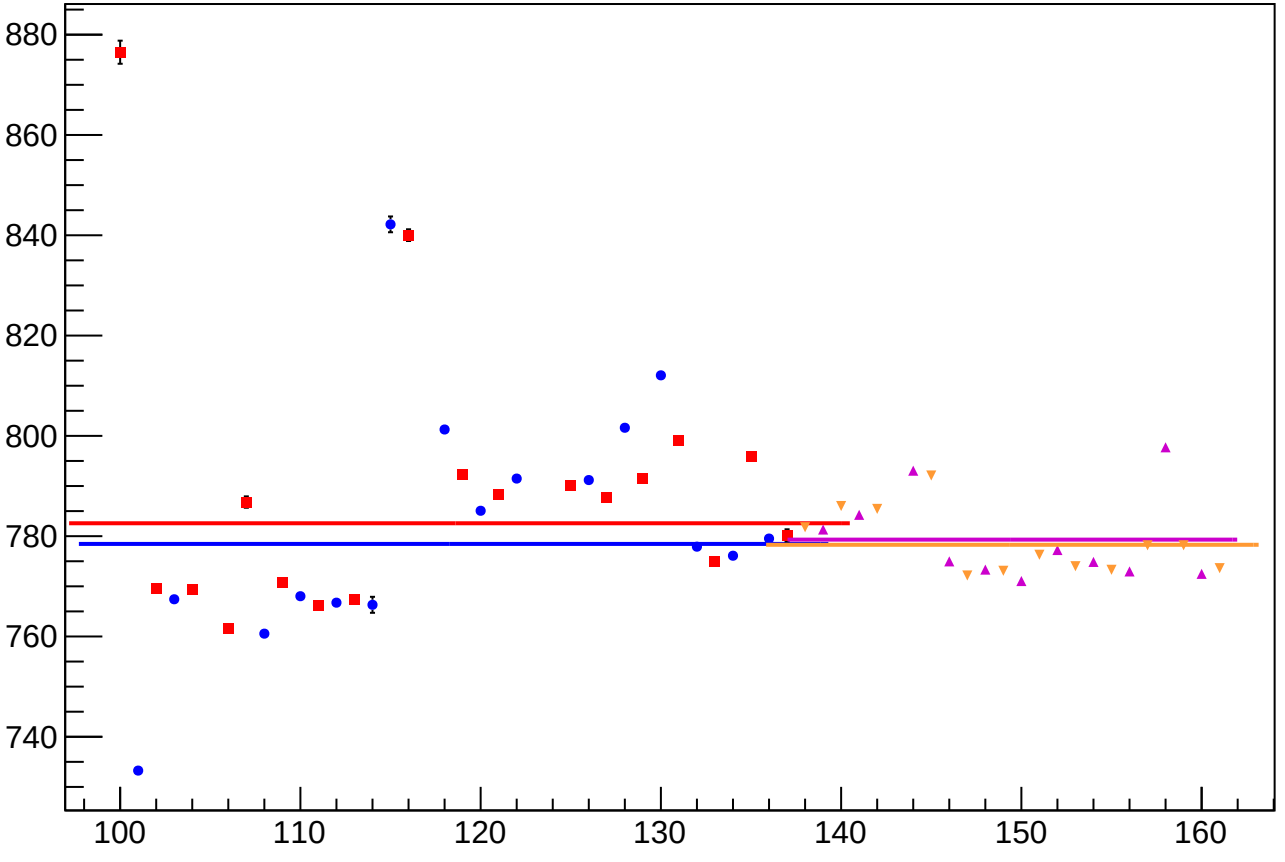
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

Out: -56.855+/-189.657 χ^2/NDF:24.3/29

All: -240.315+/-134.239 χ^2/NDF: 46.0/56

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.283+/-0.178 χ^2/NDF:1131.0/11

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

Left In: 779.312+/-0.178 χ^2/NDF:2236.6/10

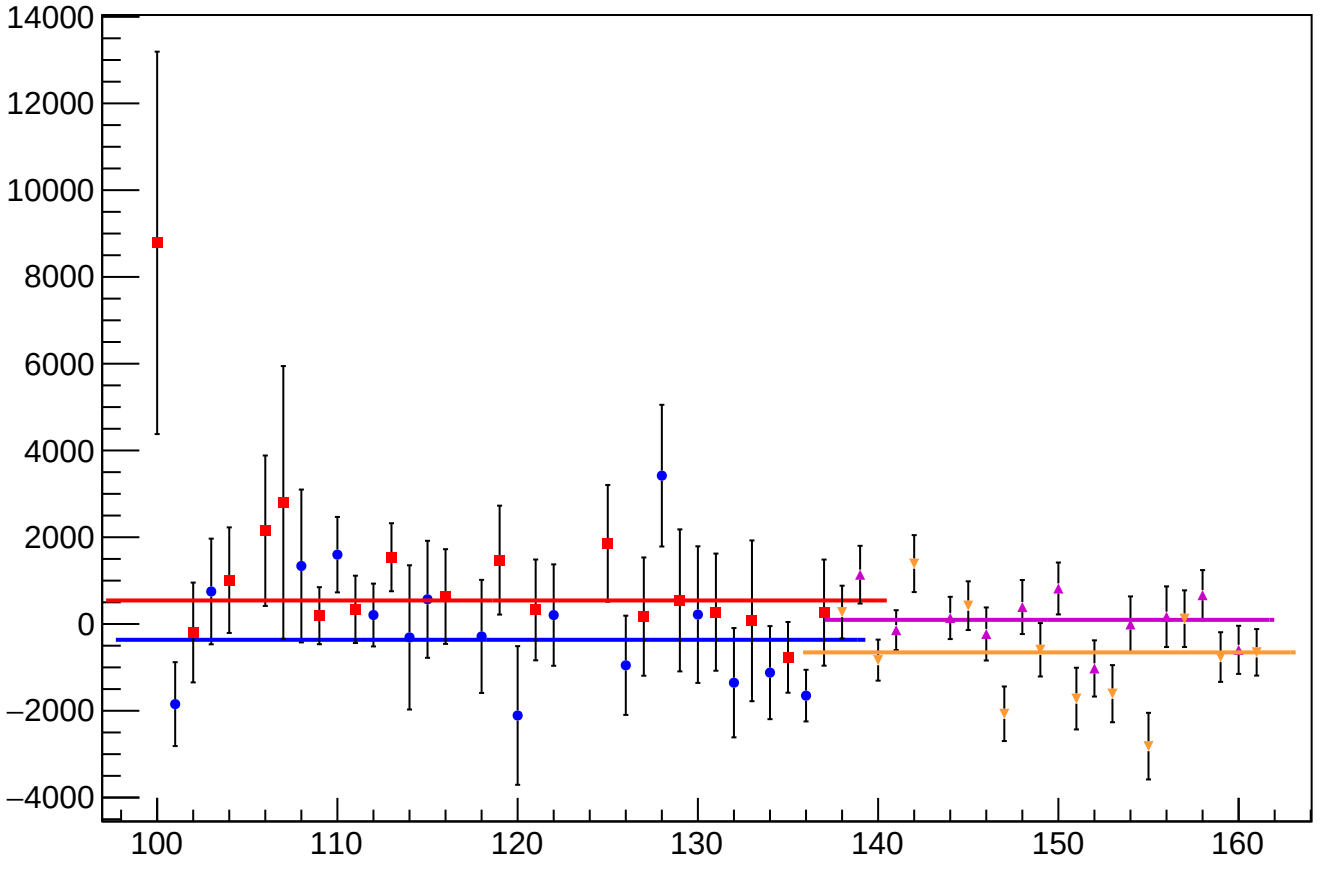
Left: 778.797+/-0.126 χ^2/NDF: 3384.3/22

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

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

Out: 780.140+/-0.134 χ^2/NDF:8863.9/29

All: 779.542+/-0.095 χ^2/NDF: 22945.4/56



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

Left Out: -654.428+/-174.890 χ^2/NDF:34.6/11

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

Left In: 95.976+/-175.833 χ^2/NDF:10.2/10

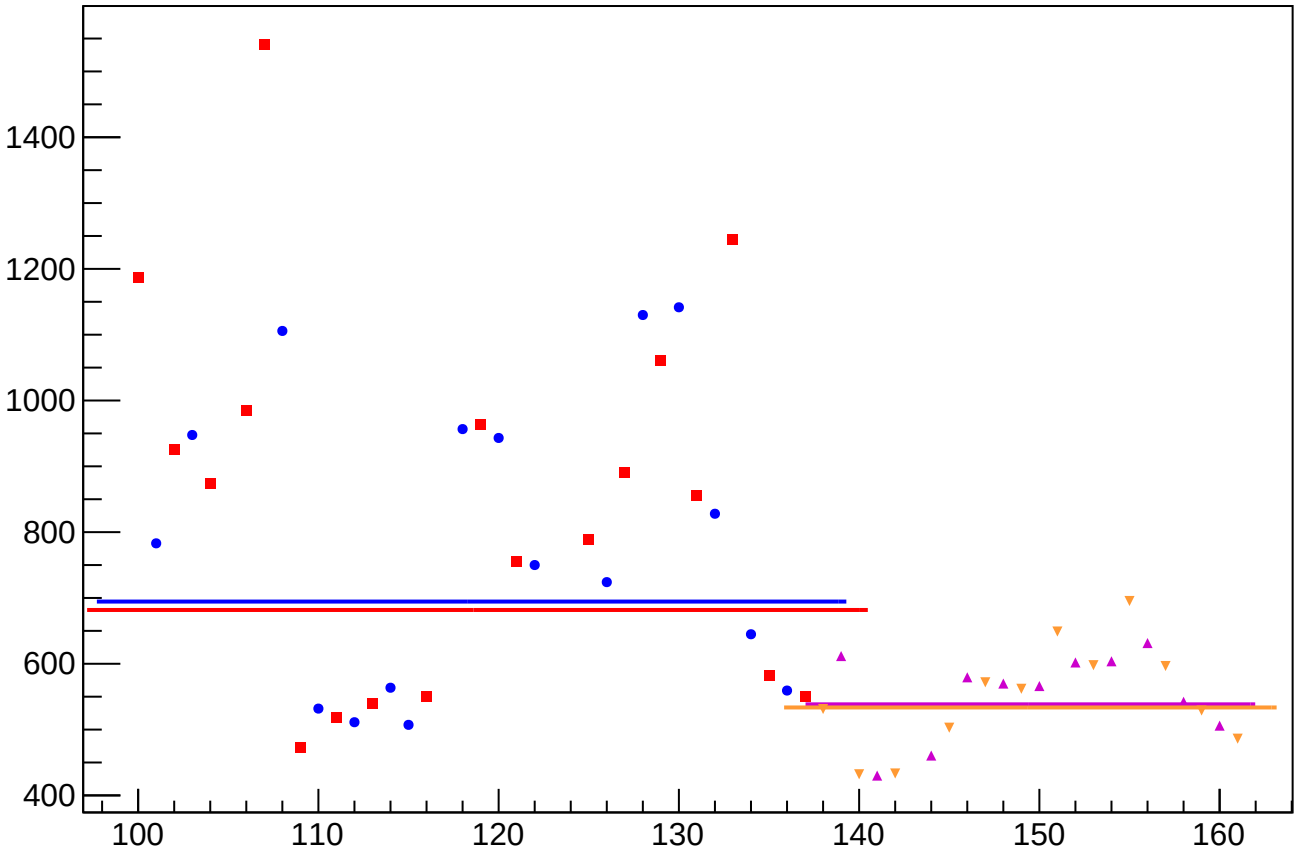
Left: -281.244+/-123.998 χ^2/NDF: 54.0/22

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

In: -41.490+/-147.232 χ^2/NDF:35.6/26

Out: -291.682+/-146.013 χ^2/NDF:60.6/29

All: -167.625+/-103.675 χ^2/NDF: 97.7/56



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

Left Out: 533.613+/-0.124 χ^2/NDF:351406.0/11

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

Left In: 538.355+/-0.124 χ^2/NDF:287244.0/10

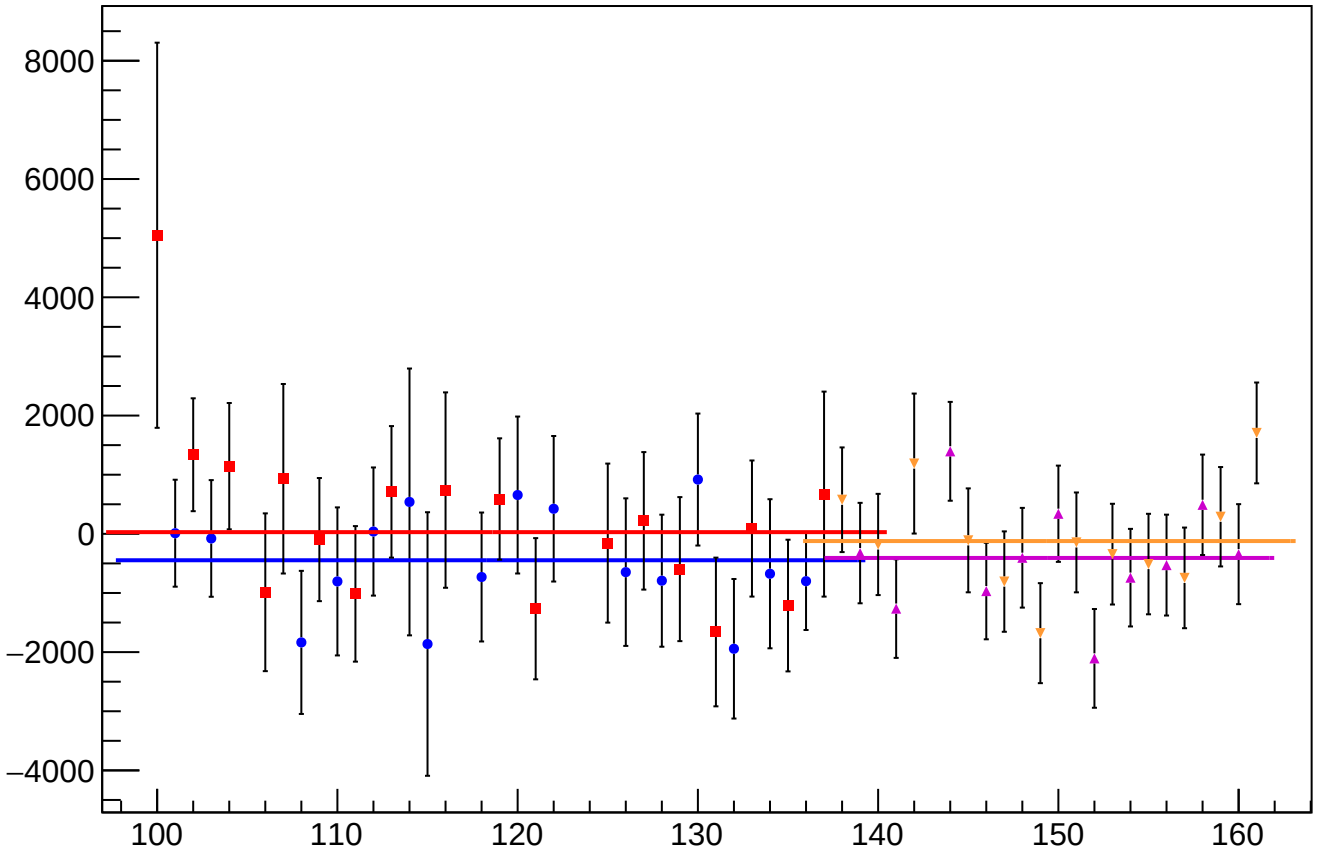
Left: 535.971+/-0.088 χ^2/NDF: 639381.4/22

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

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

Out: 578.492+/-0.103 χ^2/NDF:2097426.5/29

All: 581.733+/-0.073 χ^2/NDF: 3888048.2/56



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

Left Out: -122.139+/-251.771 χ^2/NDF:11.6/11

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

Left In: -407.661+/-252.064 χ^2/NDF:12.5/10

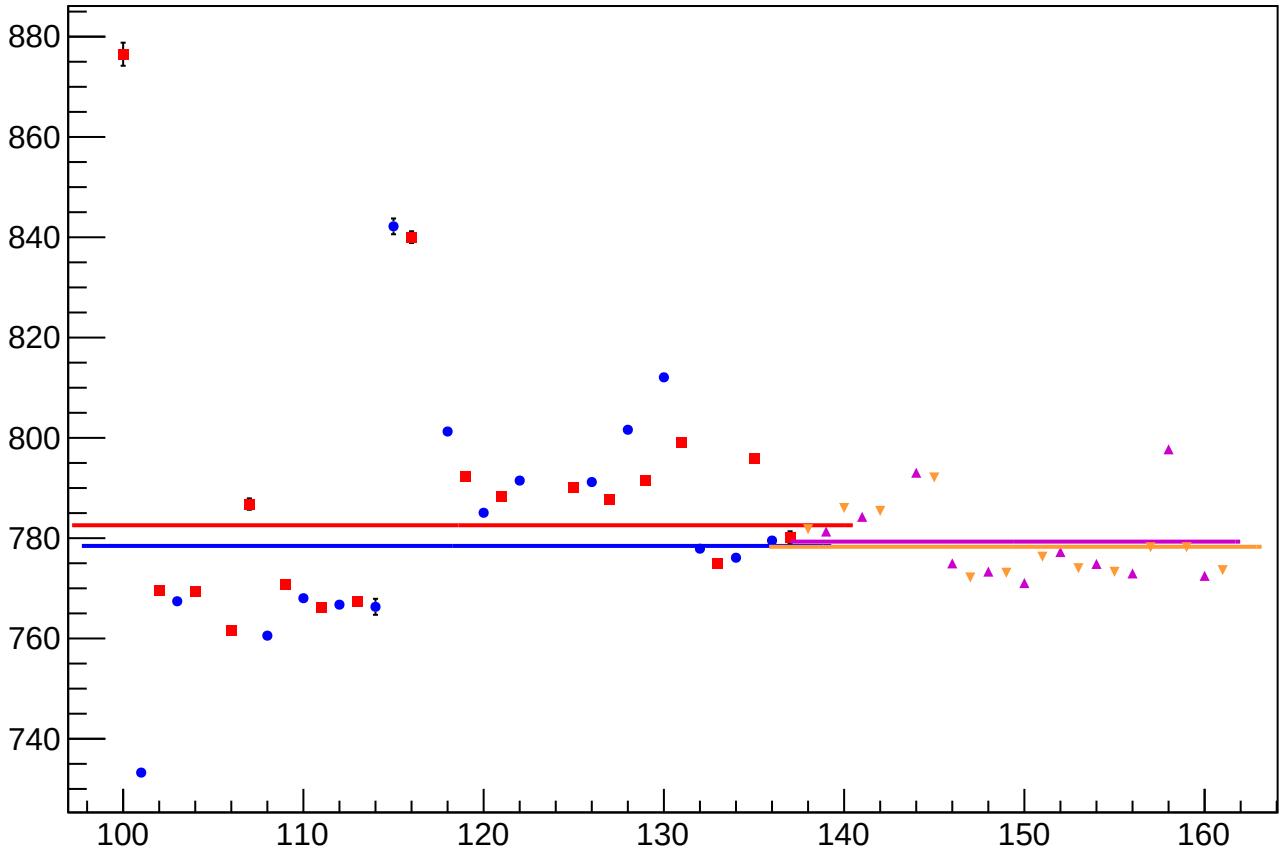
Left: -264.734+/-178.132 χ^2/NDF: 24.7/22

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

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

Out: -56.857+/-189.657 χ^2/NDF:24.3/29

All: -240.316+/-134.239 χ^2/NDF: 46.0/56



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

Left Out: 778.283+/-0.178 χ^2/NDF:1131.0/11

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

Left In: 779.312+/-0.178 χ^2/NDF:2236.6/10

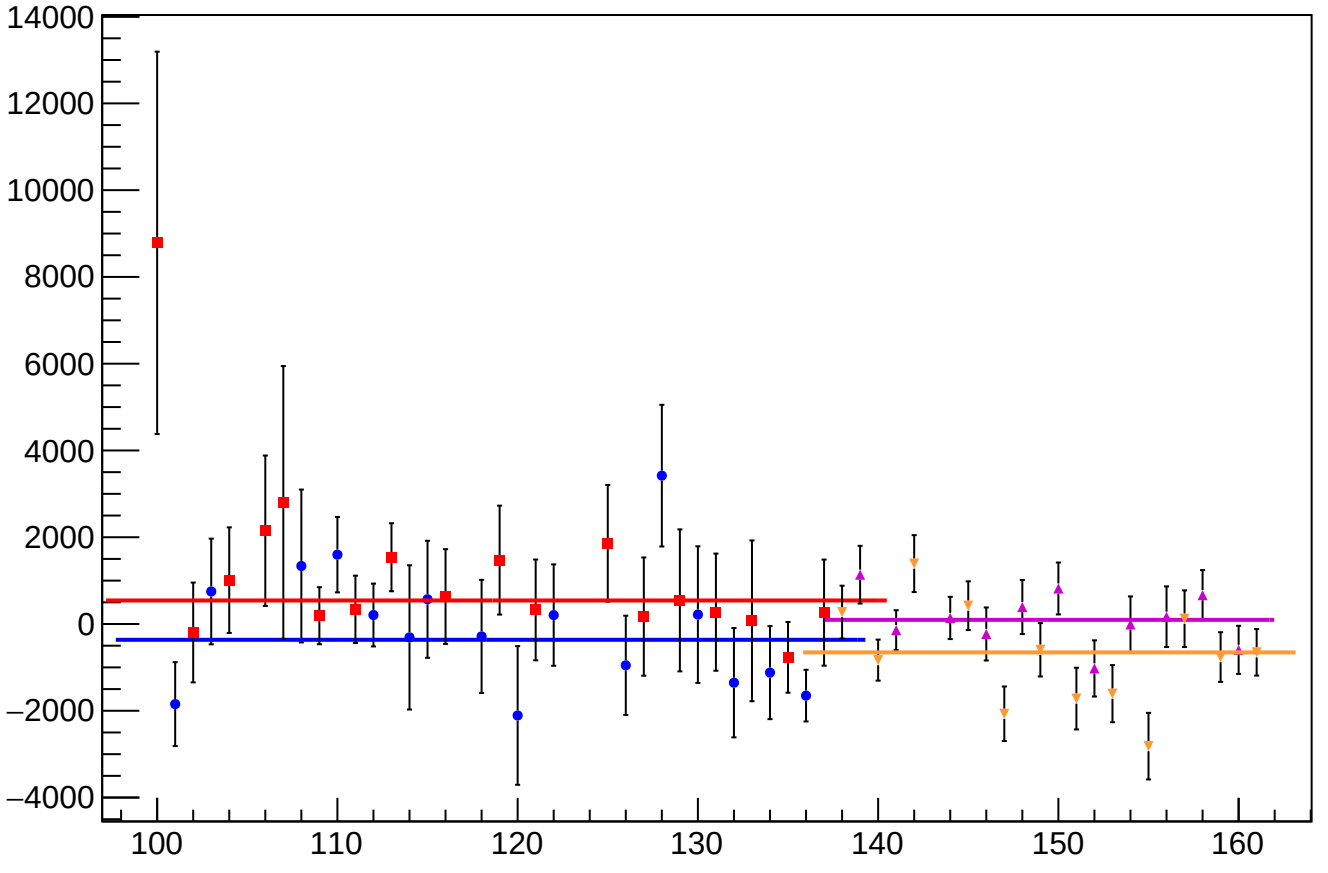
Left: 778.797+/-0.126 χ^2/NDF: 3384.3/22

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

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

Out: 780.140+/-0.134 χ^2/NDF:8863.8/29

All: 779.542+/-0.095 χ^2/NDF: 22945.3/56



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

Left Out: -654.427+/-174.890 χ^2/NDF:34.6/11

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

Left In: 95.974+/-175.834 χ^2/NDF:10.2/10

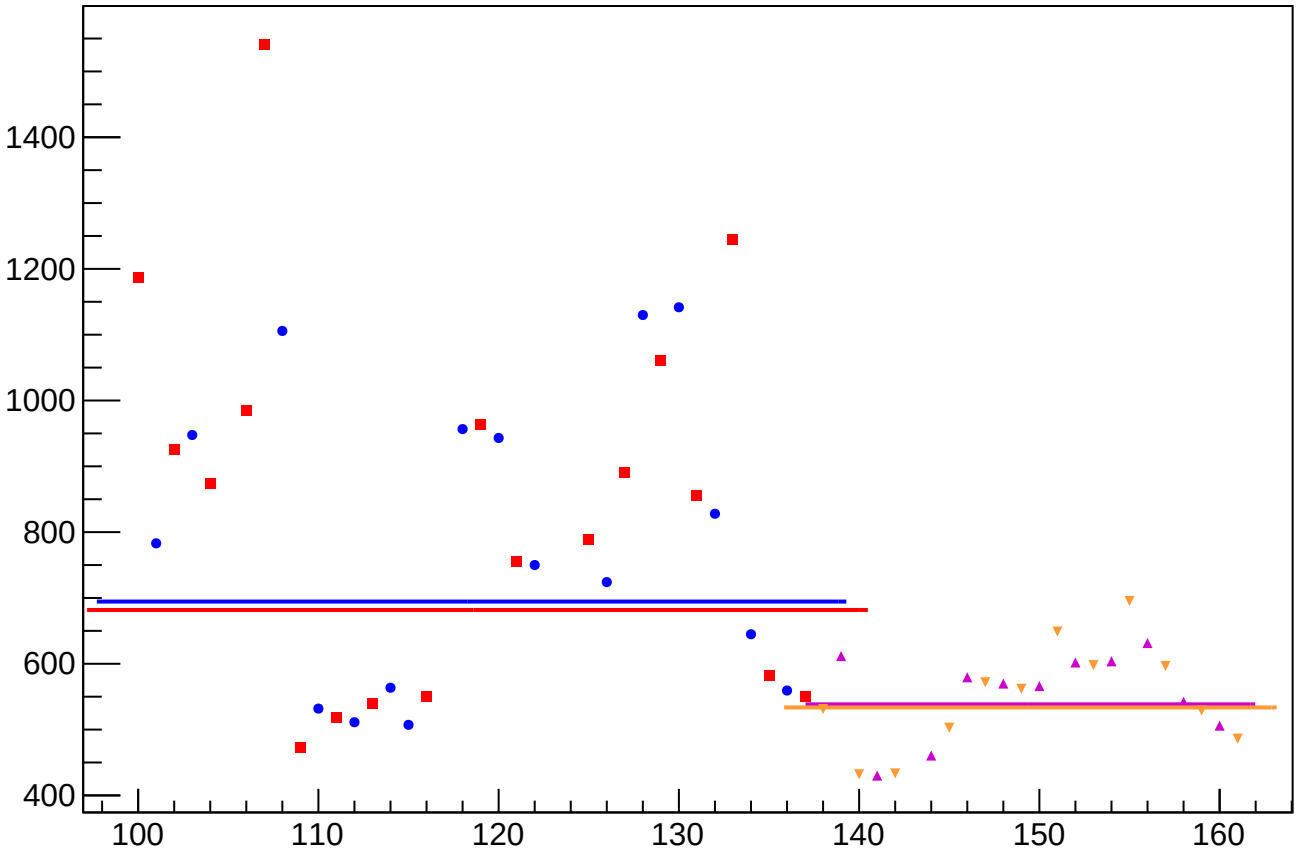
Left: -281.244+/-123.998 χ^2/NDF: 54.0/22

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

In: -41.490+/-147.232 χ^2/NDF:35.6/26

Out: -291.679+/-146.013 χ^2/NDF:60.6/29

All: -167.624+/-103.675 χ^2/NDF: 97.7/56



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

Left Out: 533.613+/-0.124 χ^2/NDF:351418.0/11

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

Left In: 538.355+/-0.124 χ^2/NDF:287256.5/10

Left: 535.971+/-0.088 χ^2/NDF: 639405.9/22

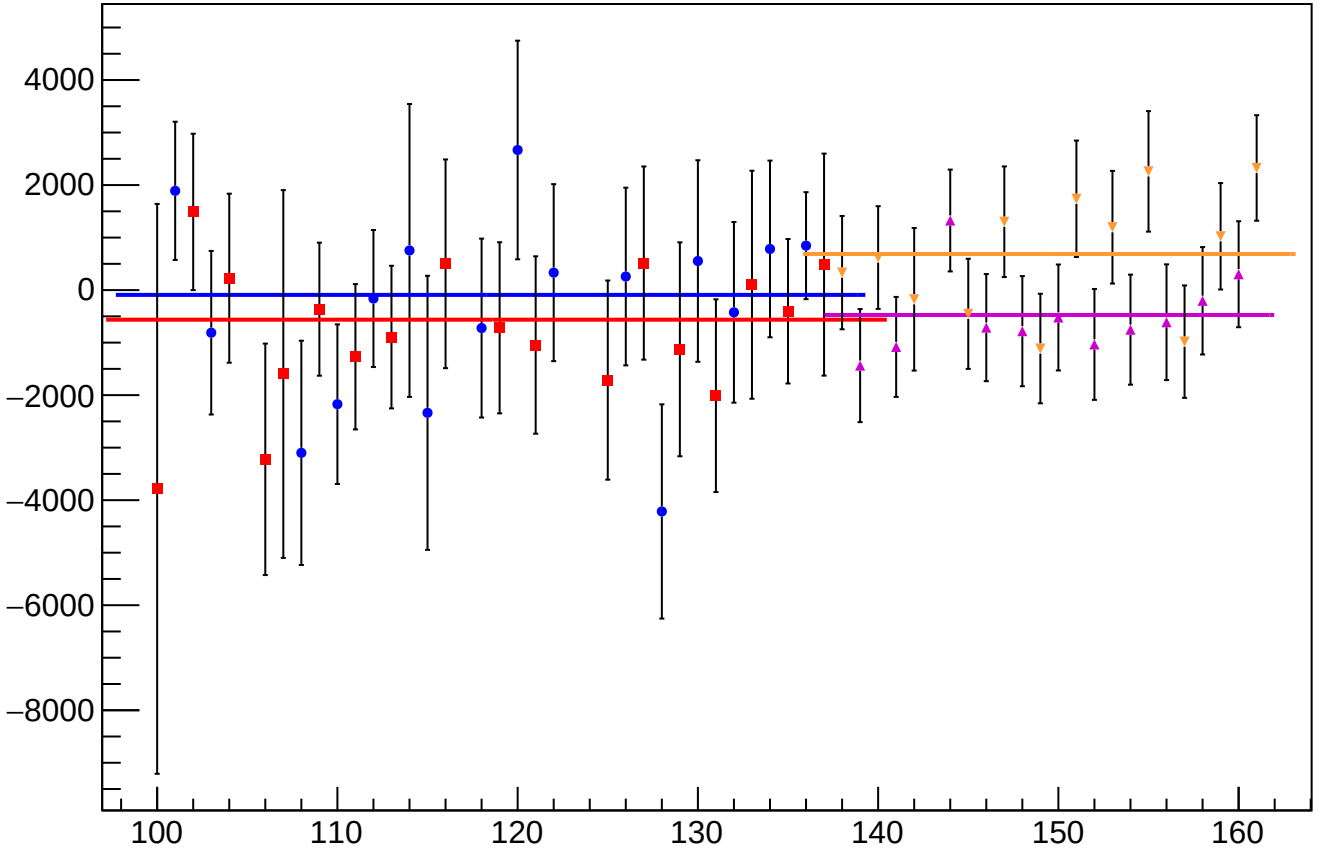
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 578.491+/-0.103 χ^2/NDF:2097439.9/29

All: 581.732+/-0.073 χ^2/NDF: 3888066.3/56

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 687.770+/-309.213 χ^2/NDF:13.2/11

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

Left In: -473.537+/-309.299 χ^2/NDF:5.8/10

Left: 107.278+/-218.677 χ^2/NDF: 26.1/22

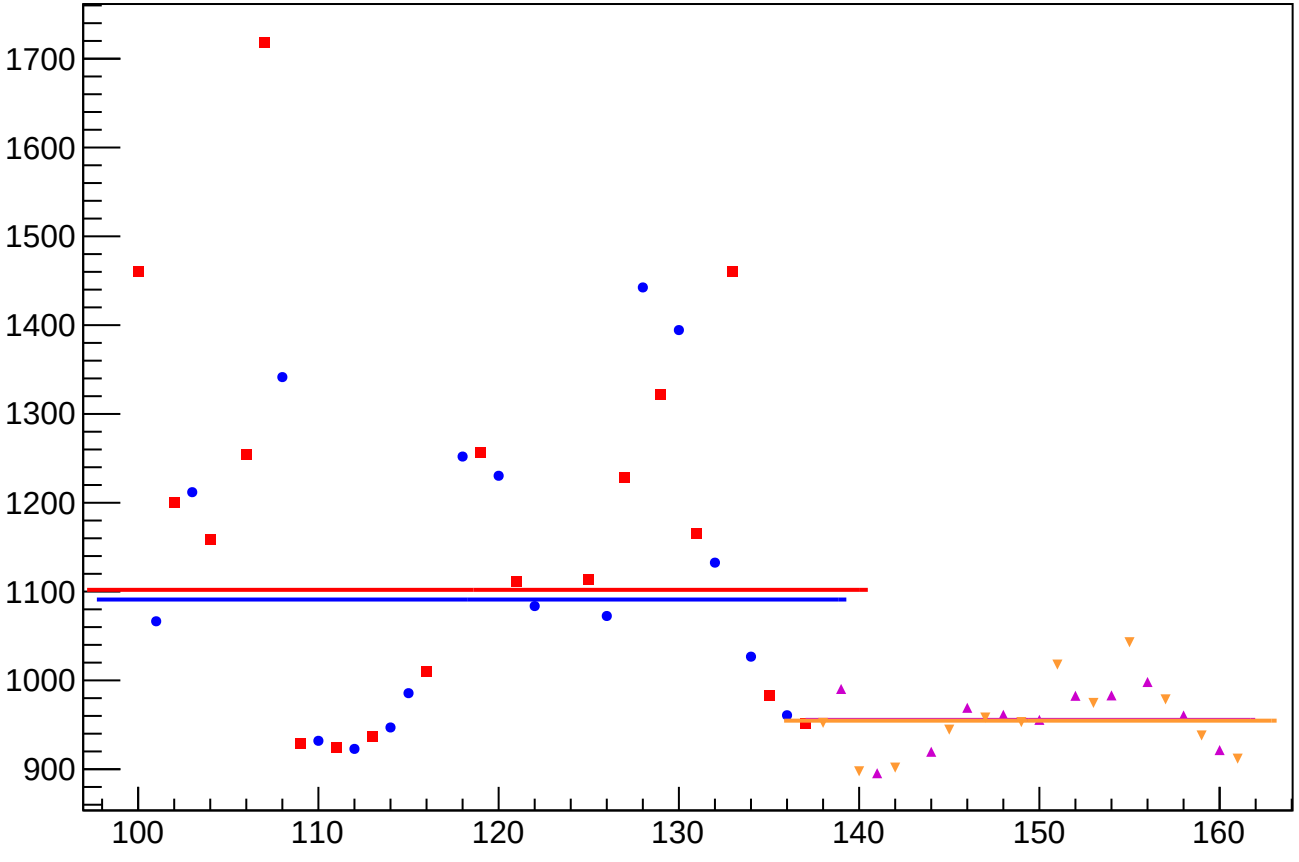
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

Out: 236.380+/-247.215 χ^2/NDF:25.7/29

All: -49.606+/-174.699 χ^2/NDF: 49.2/56

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 954.662+/-0.219 χ^2/NDF:34256.0/11

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

Left In: 955.539+/-0.219 χ^2/NDF:21229.1/10

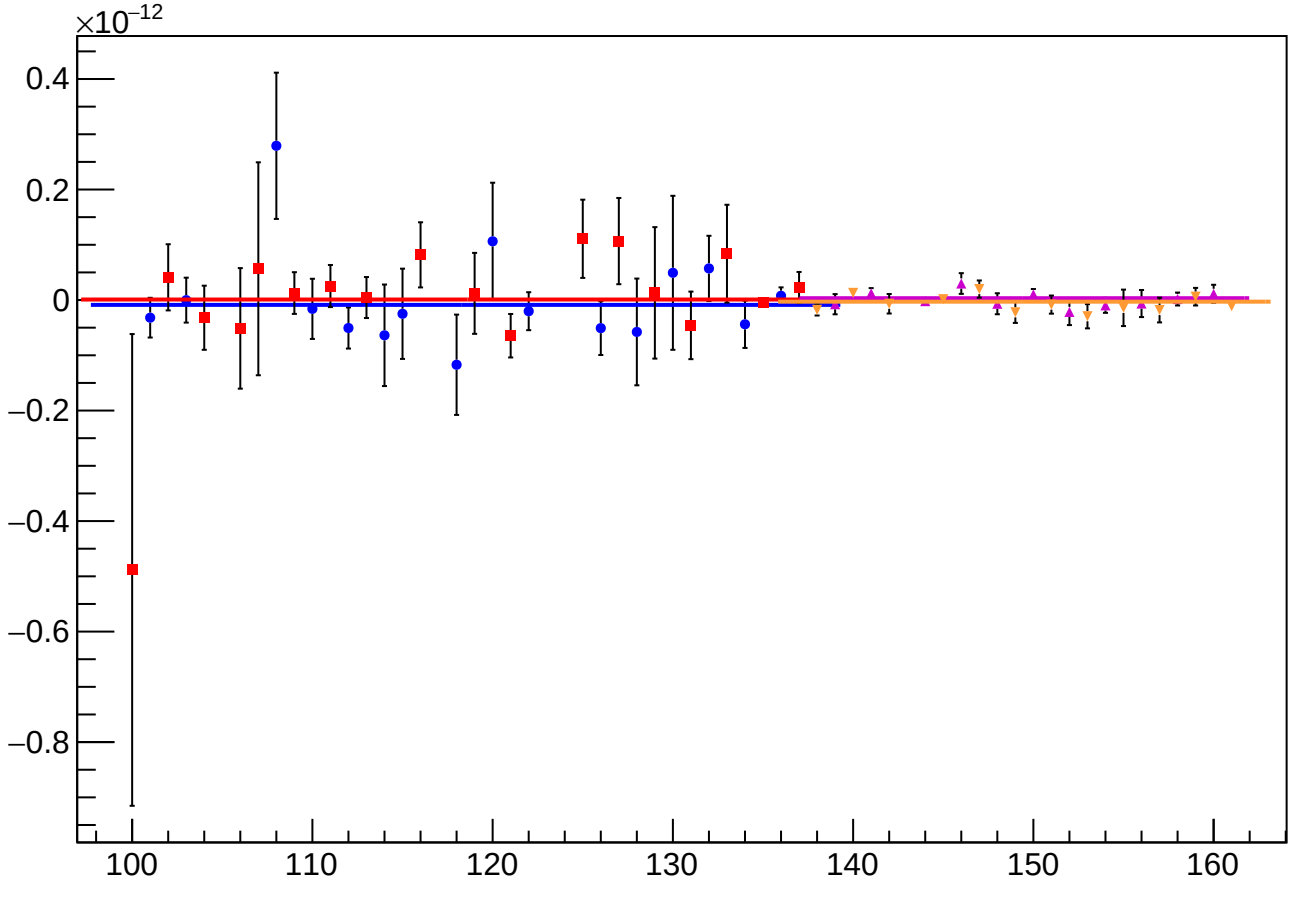
Left: 955.100+/-0.155 χ^2/NDF: 55493.1/22

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

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

Out: 1007.805+/-0.175 χ^2/NDF:526097.7/29

All: 1006.246+/-0.124 χ^2/NDF: 964029.8/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/11

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

Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

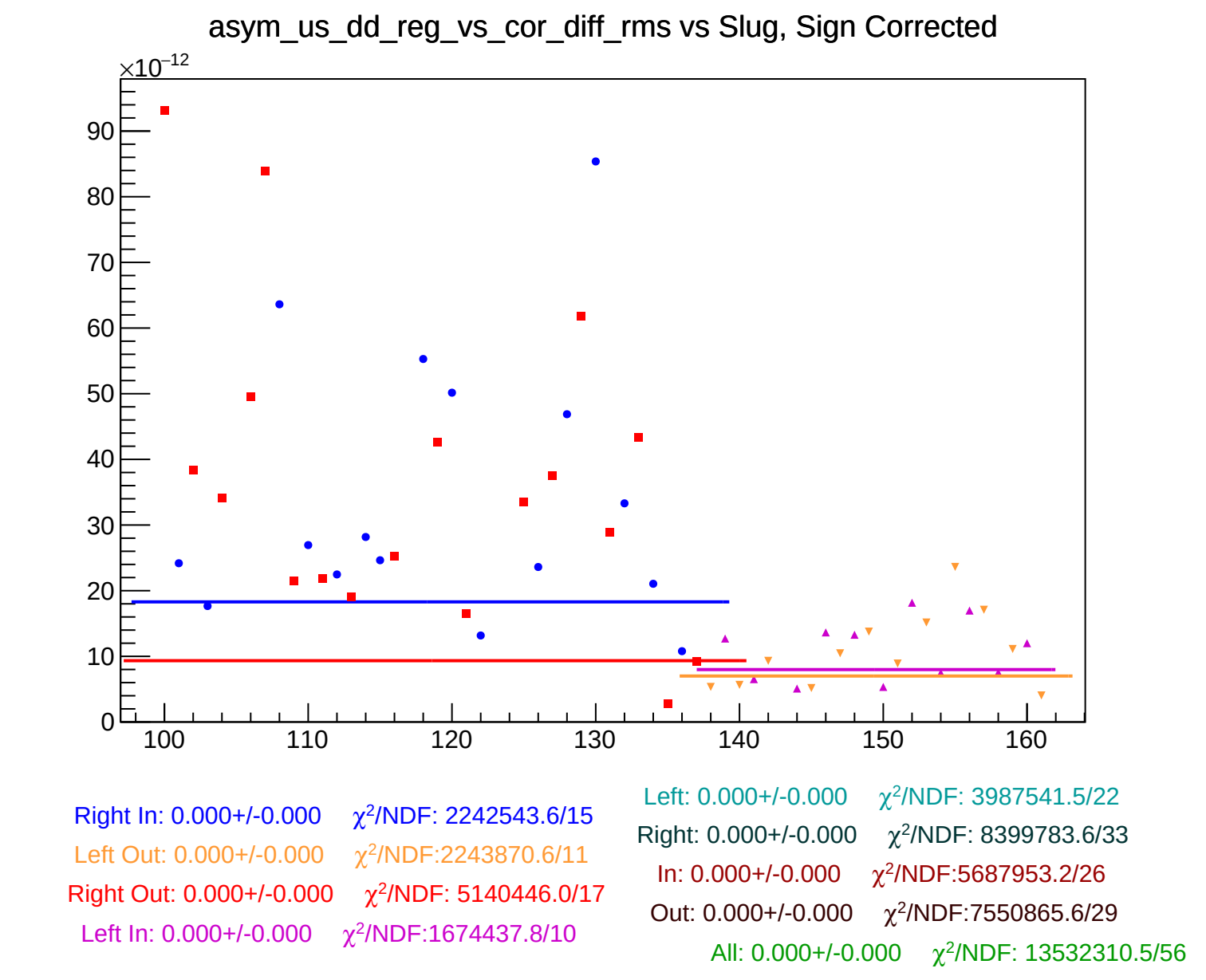
Left: -0.000+/-0.000 χ^2/NDF: 21.7/22

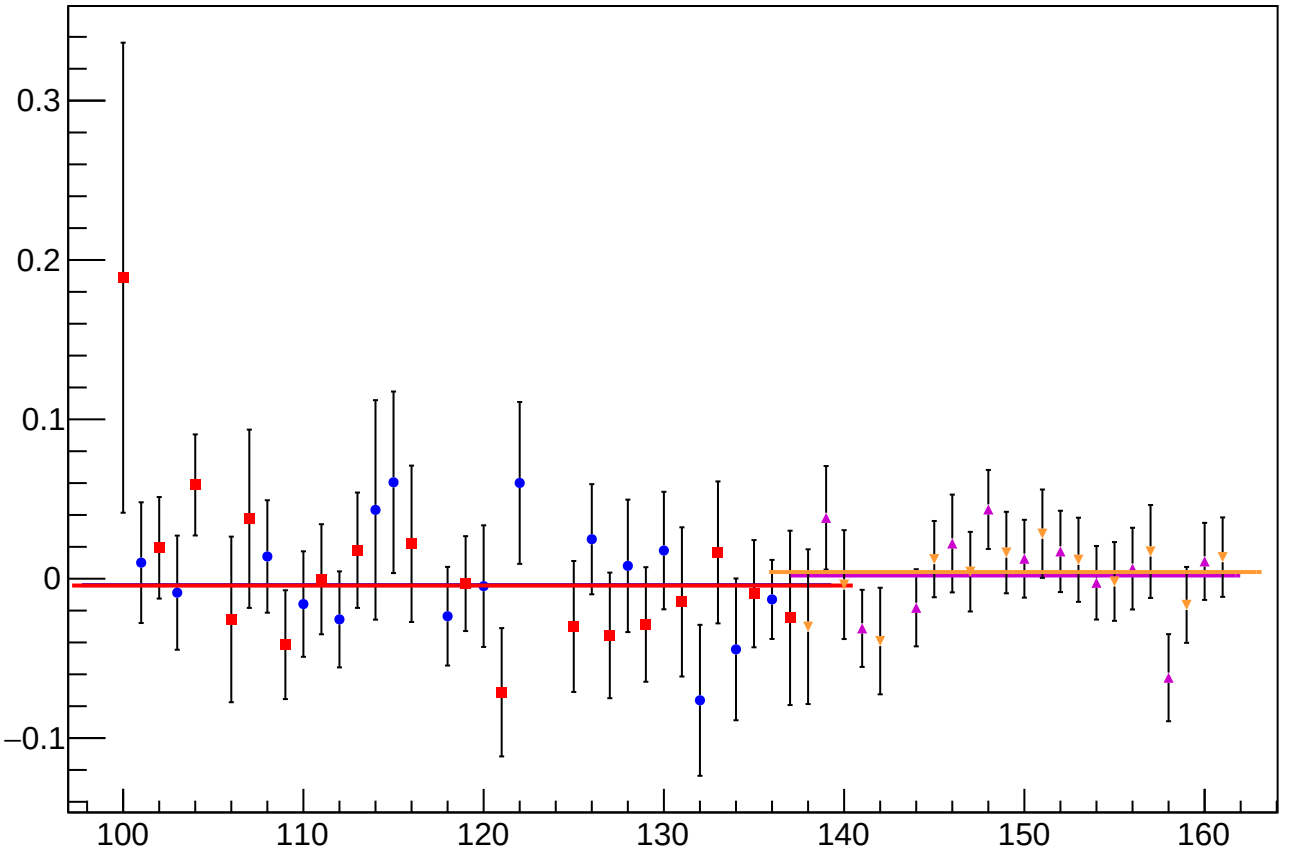
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:21.9/26

Out: -0.000+/-0.000 χ^2/NDF:28.0/29

All: -0.000+/-0.000 χ^2/NDF: 50.6/56


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2243870.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1674437.8/10
Left: 0.000+/-0.000 χ²/NDF: 3987541.5/22
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5687953.2/26
Out: 0.000+/-0.000 χ²/NDF:7550865.6/29
All: 0.000+/-0.000 χ²/NDF: 13532310.5/56



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

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

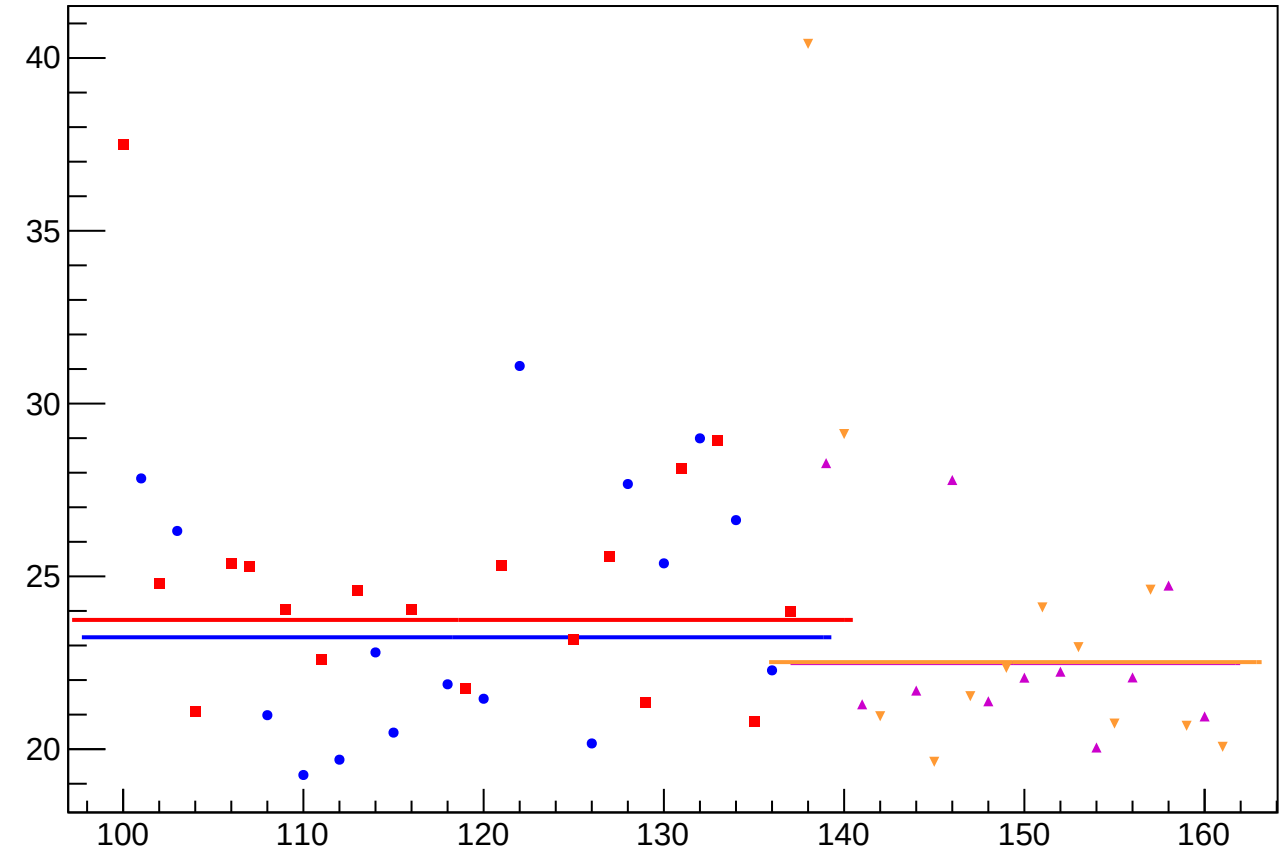
Left: 0.003+/-0.006 χ^2/NDF: 17.9/22

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

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: 0.001+/-0.006 χ^2/NDF:18.5/29

All: 0.000+/-0.004 χ^2/NDF: 41.3/56



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

Left Out: 22.519+/-0.006 χ^2/NDF:441788.3/11

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

Left In: 22.490+/-0.005 χ^2/NDF:179468.2/10

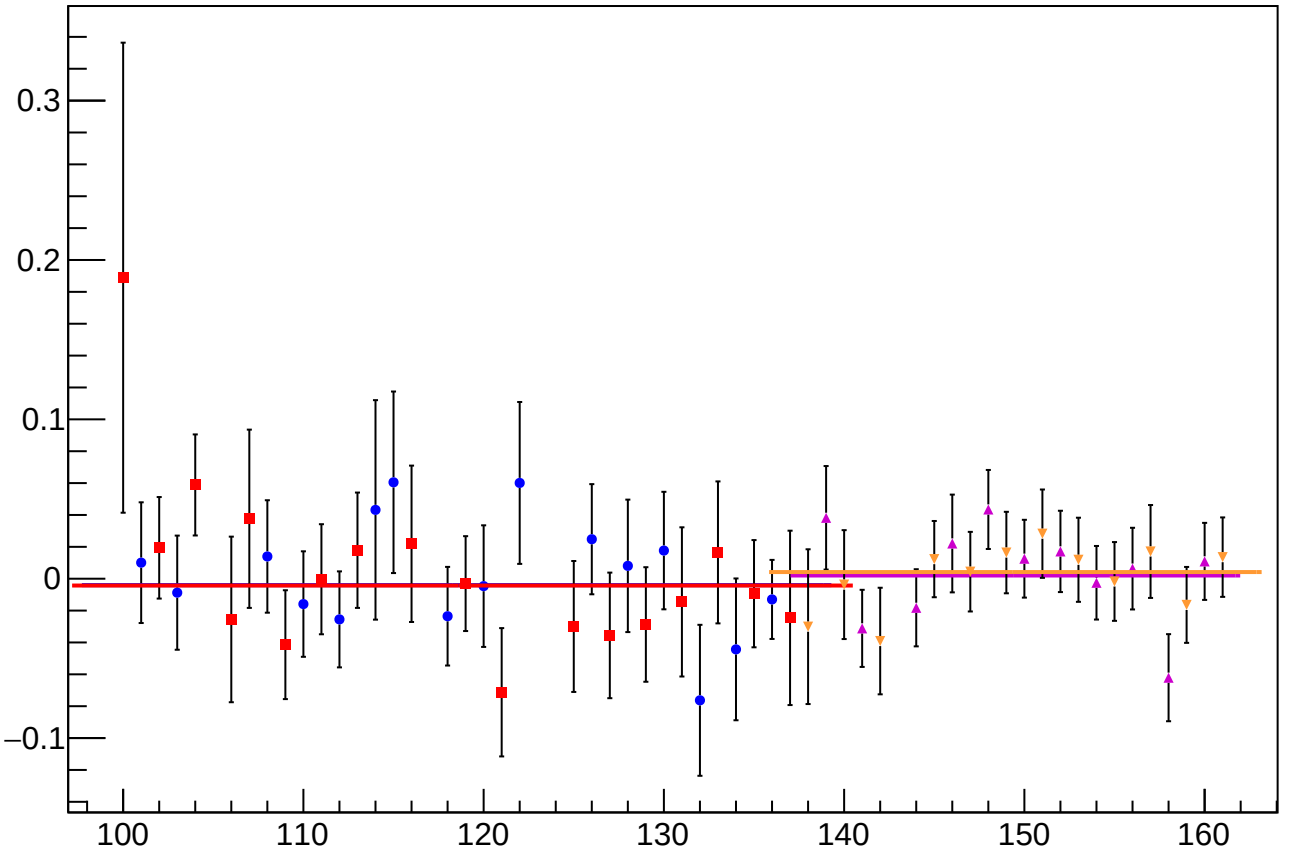
Left: 22.504+/-0.004 χ^2/NDF: 621270.2/22

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

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

Out: 23.031+/-0.004 χ^2/NDF:587940.4/29

All: 22.912+/-0.003 χ^2/NDF: 1035846.2/56



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

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

Left: 0.003+/-0.006 χ^2/NDF: 17.9/22

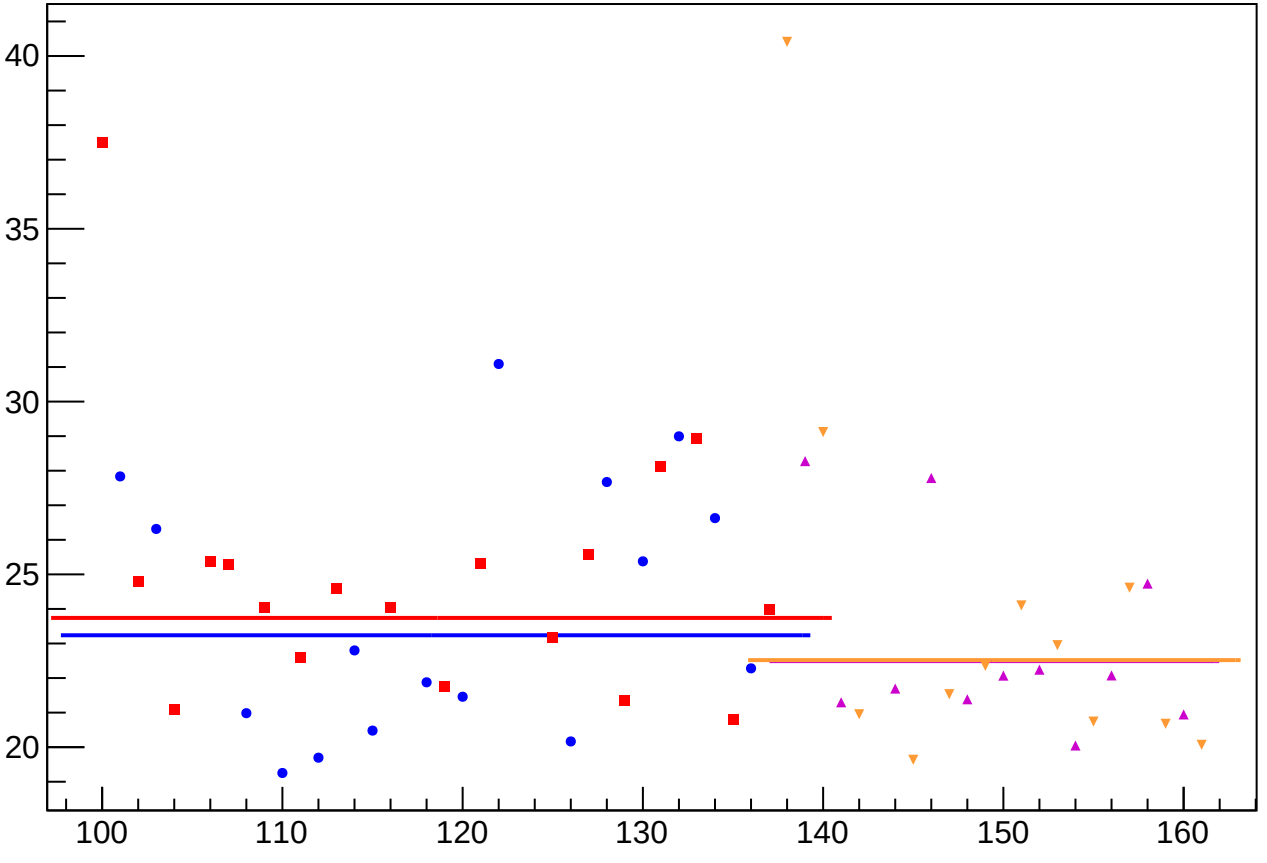
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: 0.001+/-0.006 χ^2/NDF:18.5/29

All: 0.000+/-0.004 χ^2/NDF: 41.3/56

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 22.519+/-0.006 χ^2/NDF:441788.3/11

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

Left In: 22.490+/-0.005 χ^2/NDF:179468.2/10

Left: 22.504+/-0.004 χ^2/NDF: 621270.2/22

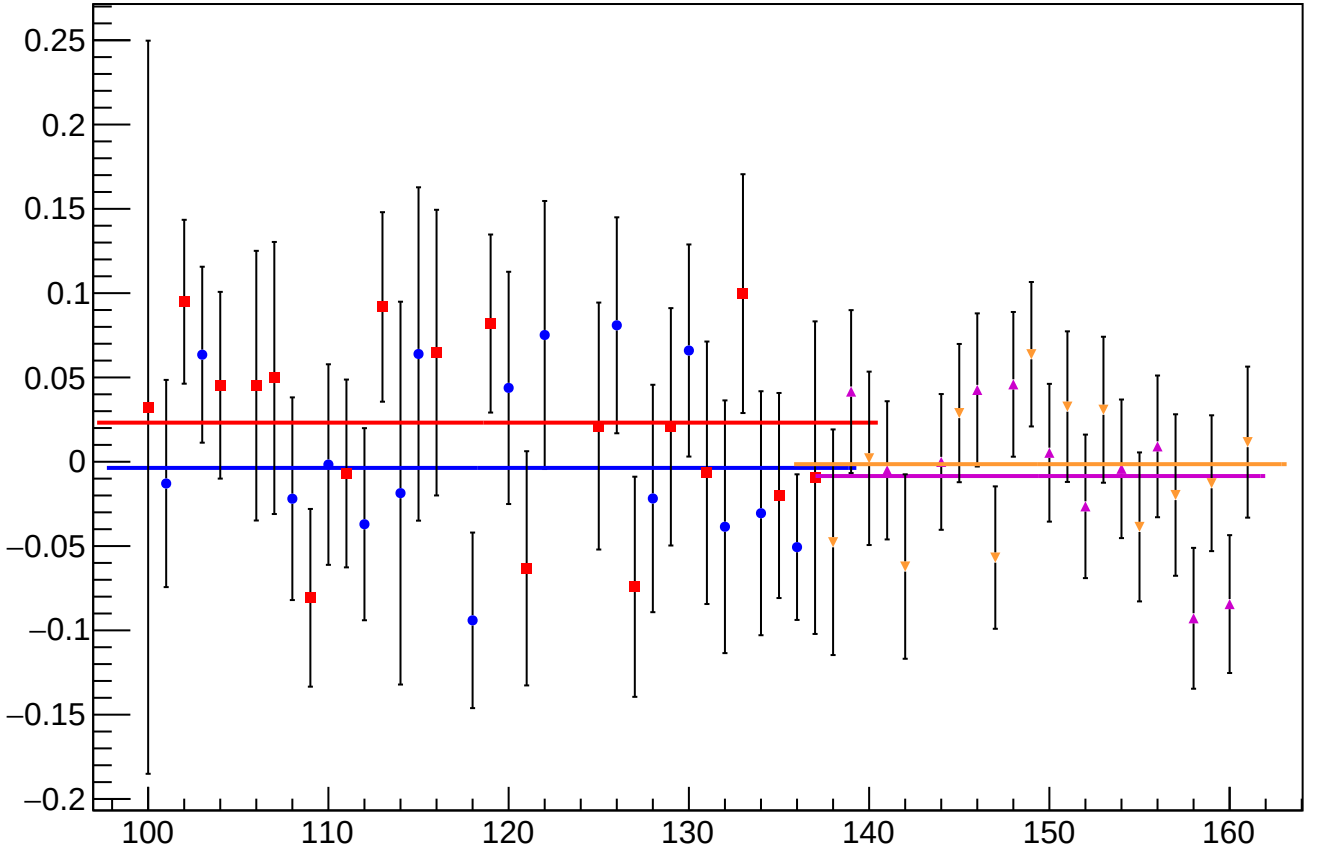
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

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

Out: 23.031+/-0.004 χ^2/NDF:587940.4/29

All: 22.912+/-0.003 χ^2/NDF: 1035846.2/56

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: -0.001+/-0.013 χ^2/NDF:8.5/11

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

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

Left: -0.005+/-0.009 χ^2/NDF: 20.6/22

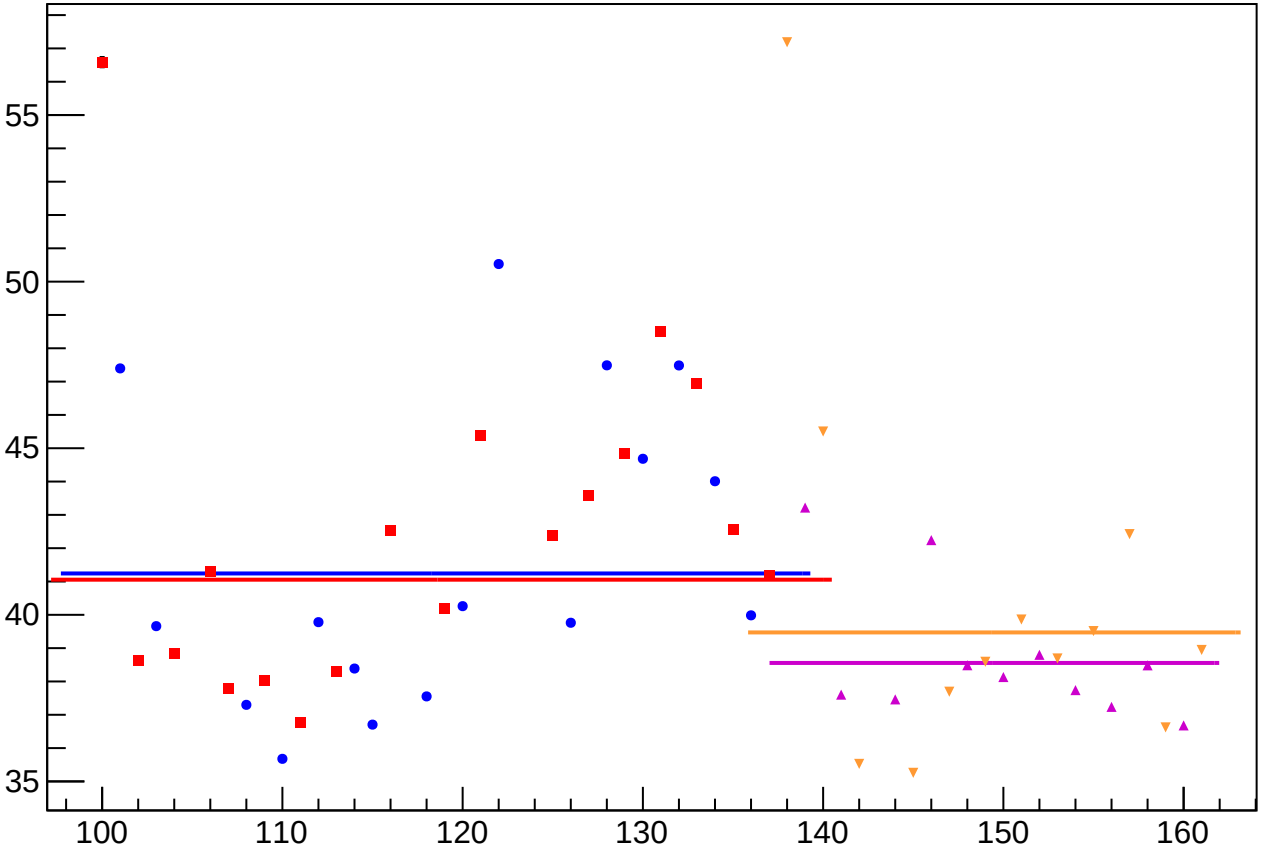
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.007+/-0.010 χ^2/NDF:23.7/26

Out: 0.009+/-0.010 χ^2/NDF:25.3/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/56

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.472+/-0.009 χ^2/NDF:222307.1/11

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

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

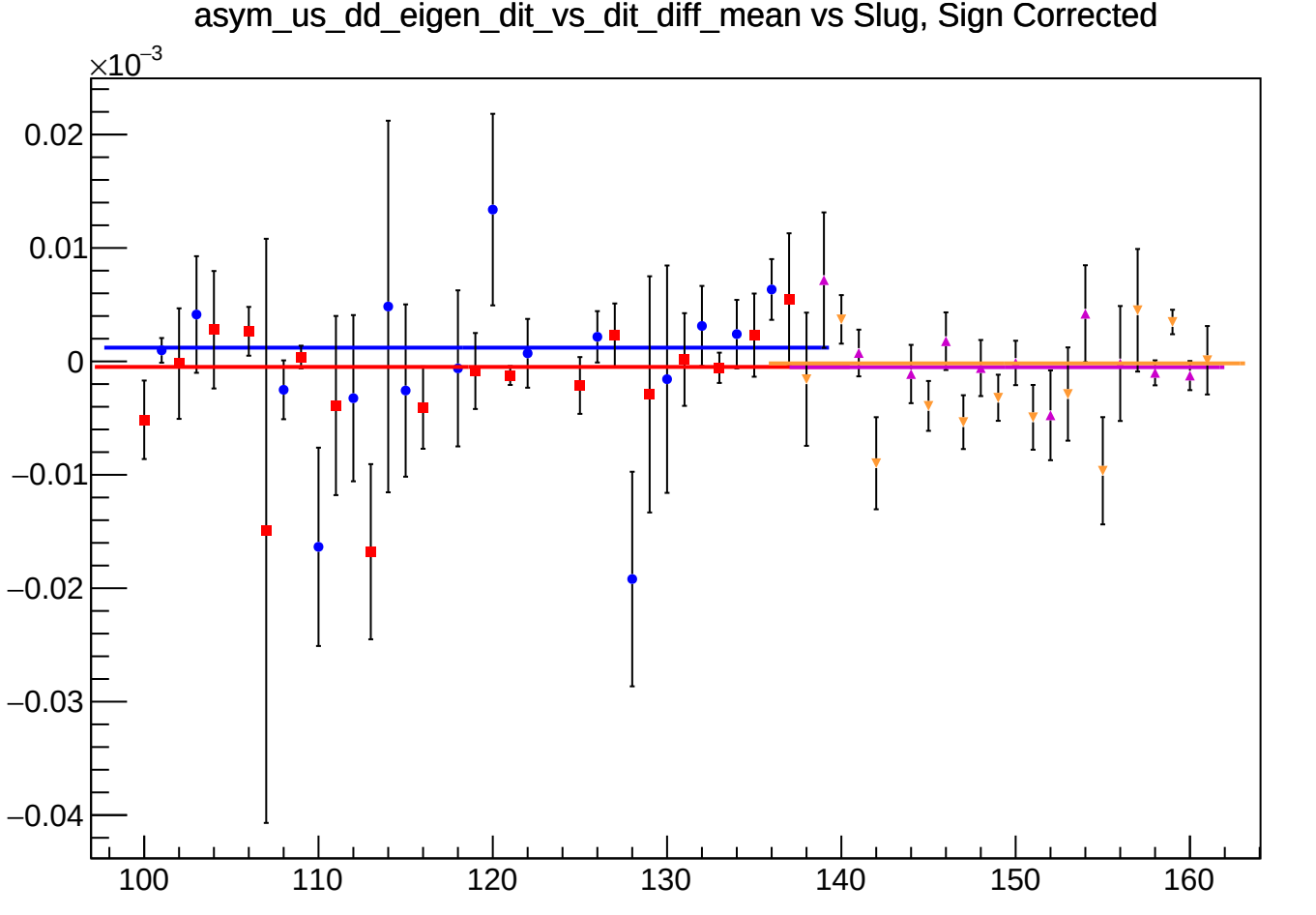
Left: 38.998+/-0.006 χ^2/NDF: 268912.6/22

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

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

Out: 40.137+/-0.007 χ^2/NDF:330950.0/29

All: 39.875+/-0.005 χ^2/NDF: 545709.8/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/11

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

Left In: -0.000+/-0.000 χ^2/NDF:5.8/10

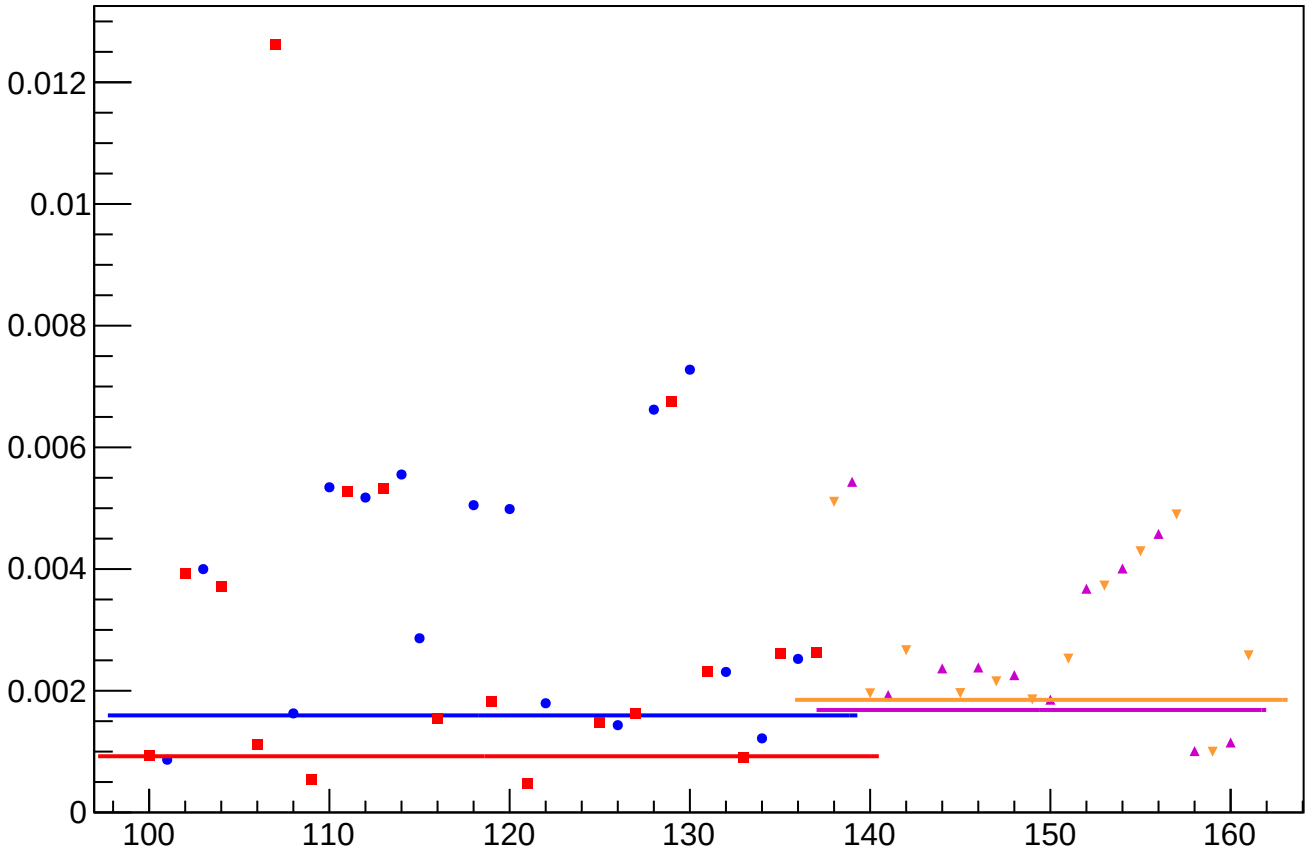
Left: -0.000+/-0.000 χ^2/NDF: 43.3/22

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:27.3/26

Out: -0.000+/-0.000 χ^2/NDF:52.5/29

All: -0.000+/-0.000 χ^2/NDF: 80.6/56



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

Left Out: 0.002+/-0.000 χ^2/NDF:3805212.5/11

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

Left In: 0.002+/-0.000 χ^2/NDF:4080219.6/10

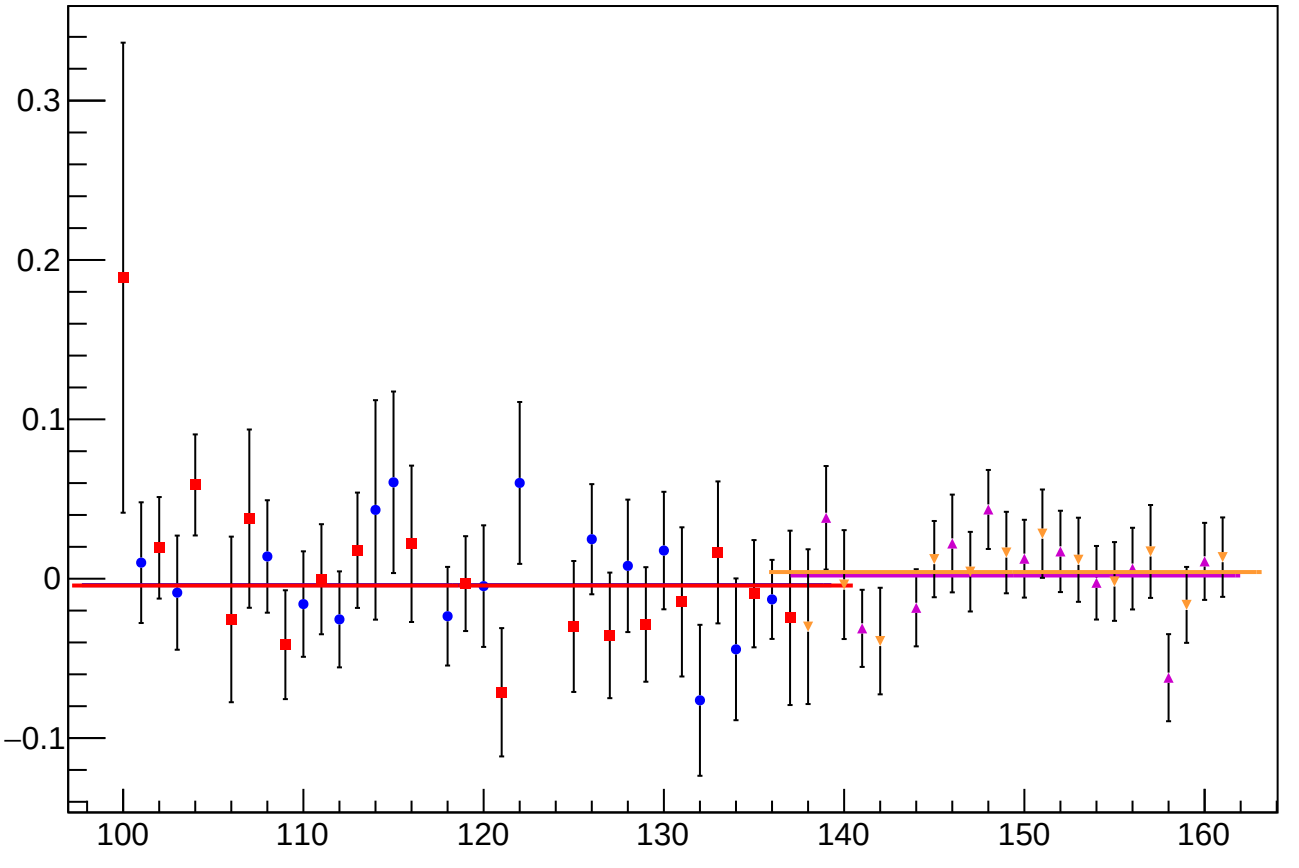
Left: 0.002+/-0.000 χ^2/NDF: 7950746.1/22

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

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

Out: 0.001+/-0.000 χ^2/NDF:12010654.2/29

All: 0.001+/-0.000 χ^2/NDF: 21693702.1/56



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

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

Left: 0.003+/-0.006 χ^2/NDF: 17.9/22

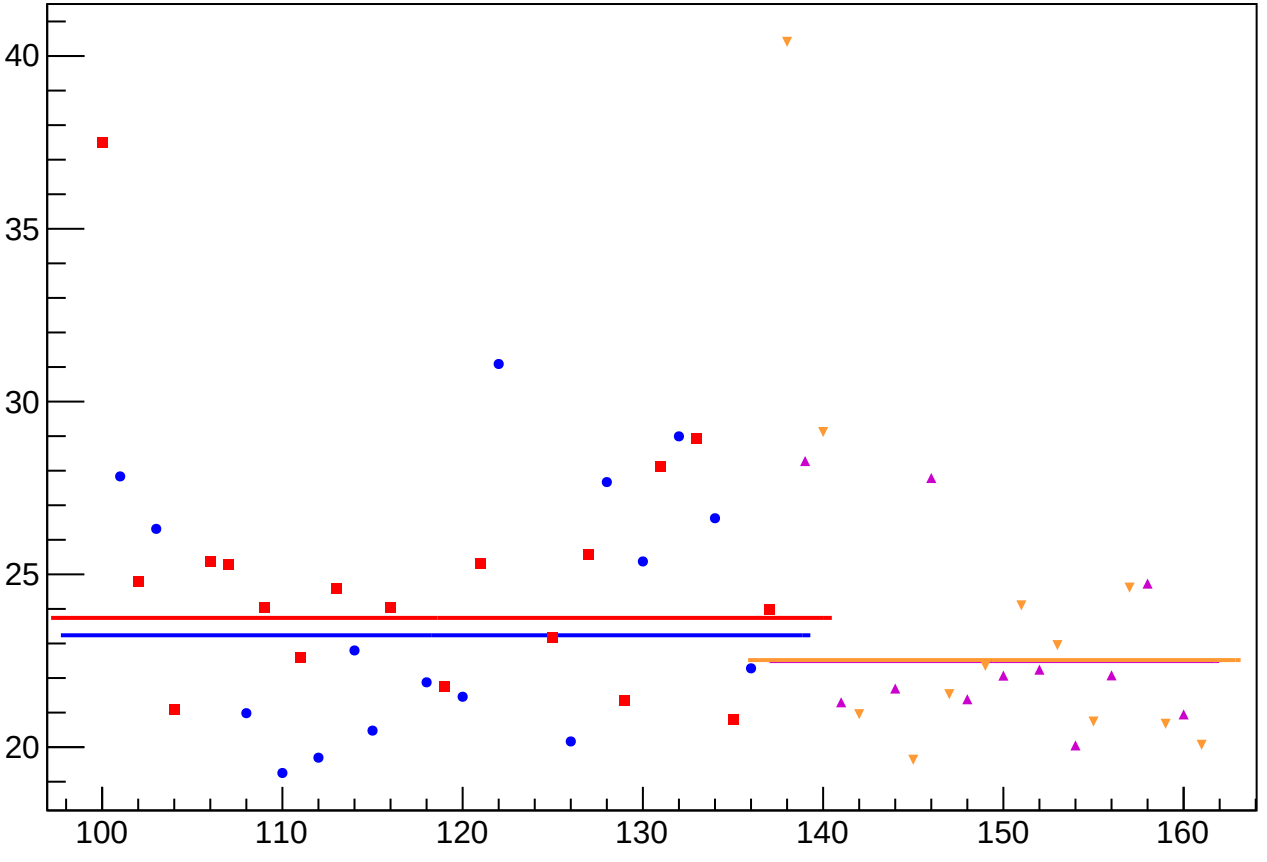
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: 0.001+/-0.006 χ^2/NDF:18.5/29

All: 0.000+/-0.004 χ^2/NDF: 41.3/56

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 22.519+/-0.006 χ^2/NDF:441816.3/11

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

Left In: 22.491+/-0.005 χ^2/NDF:179442.4/10

Left: 22.505+/-0.004 χ^2/NDF: 621272.1/22

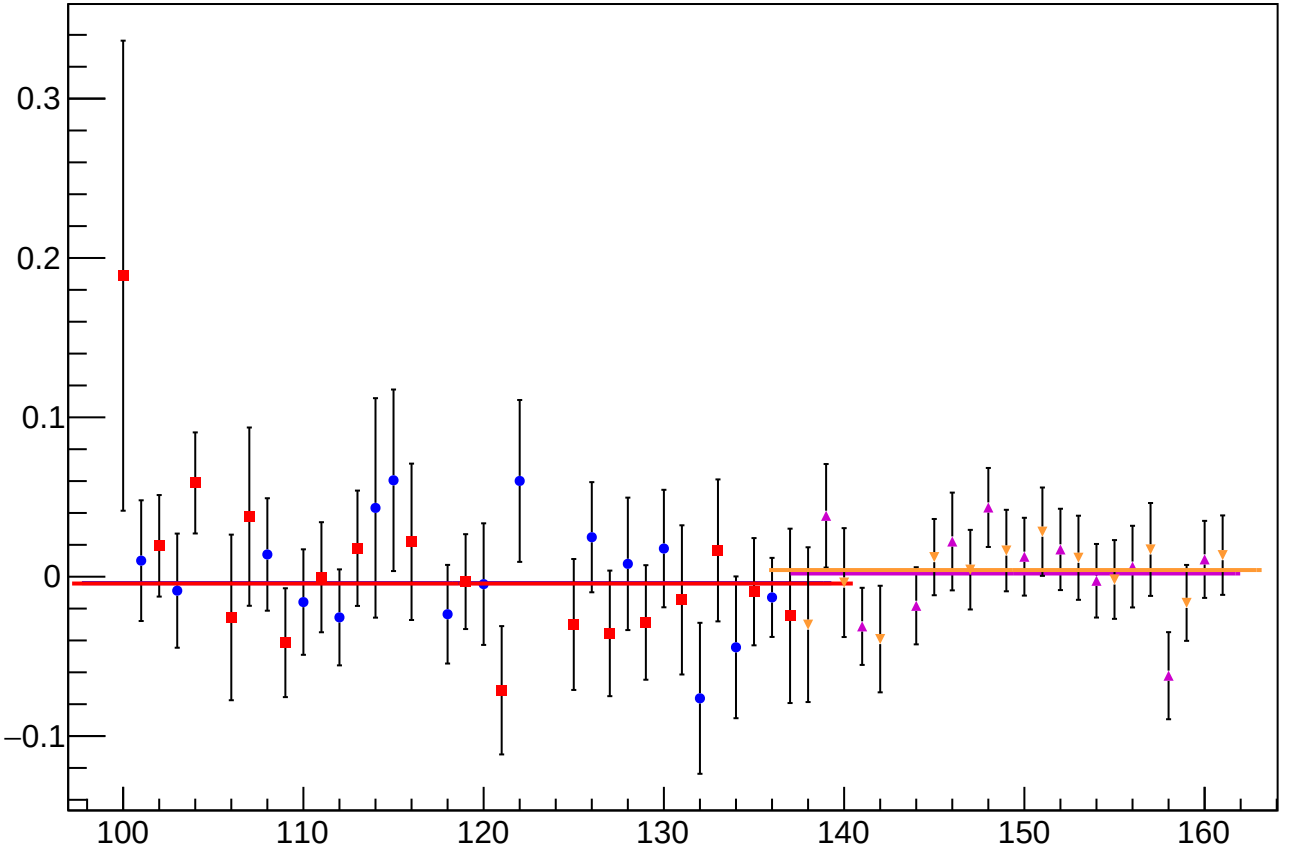
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 23.031+/-0.004 χ^2/NDF:587922.2/29

All: 22.912+/-0.003 χ^2/NDF: 1035773.3/56

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: 0.004+/-0.008 χ^2/NDF:4.6/11

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

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

Left: 0.003+/-0.006 χ^2/NDF: 17.9/22

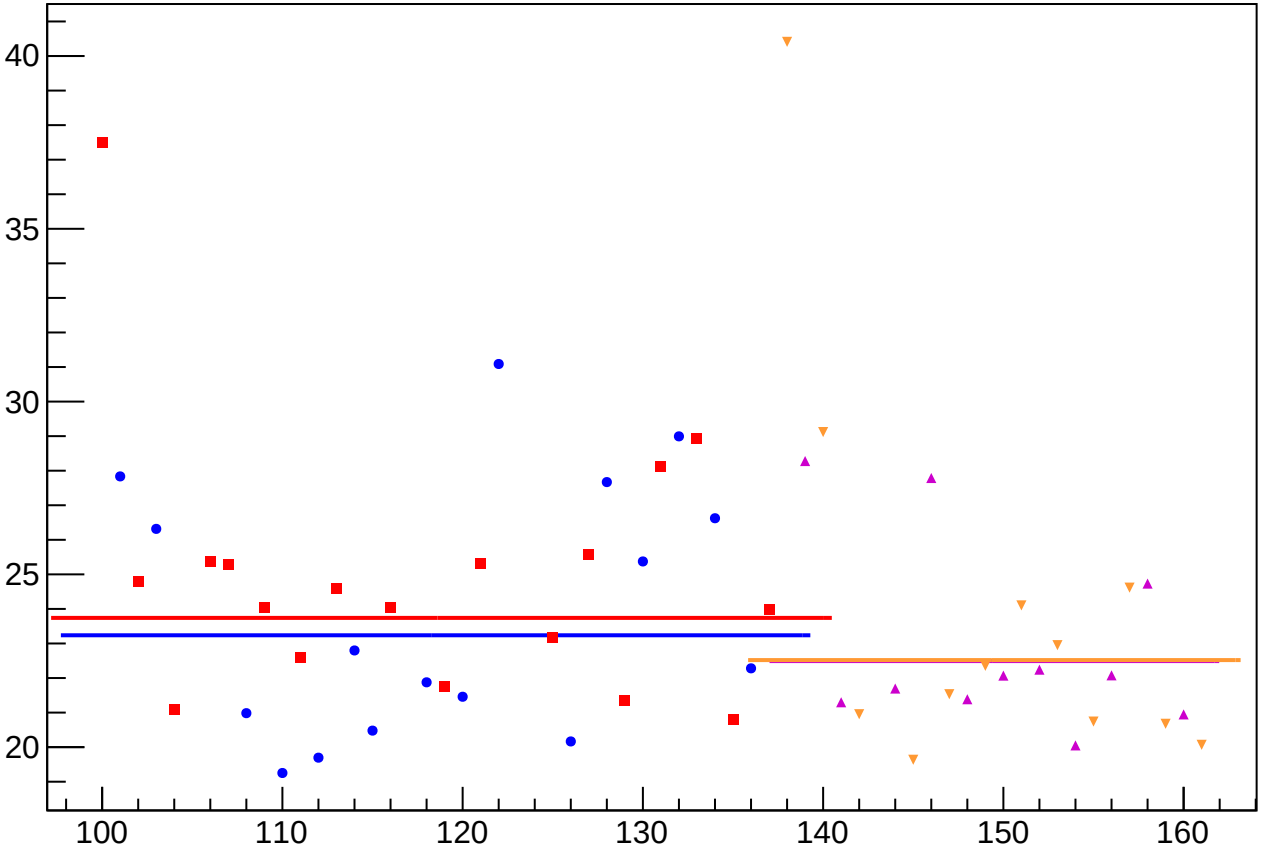
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.006 χ^2/NDF:22.7/26

Out: 0.001+/-0.006 χ^2/NDF:18.5/29

All: 0.000+/-0.004 χ^2/NDF: 41.3/56

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 22.519+/-0.006 χ^2/NDF:441816.3/11

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

Left In: 22.491+/-0.005 χ^2/NDF:179442.4/10

Left: 22.505+/-0.004 χ^2/NDF: 621272.1/22

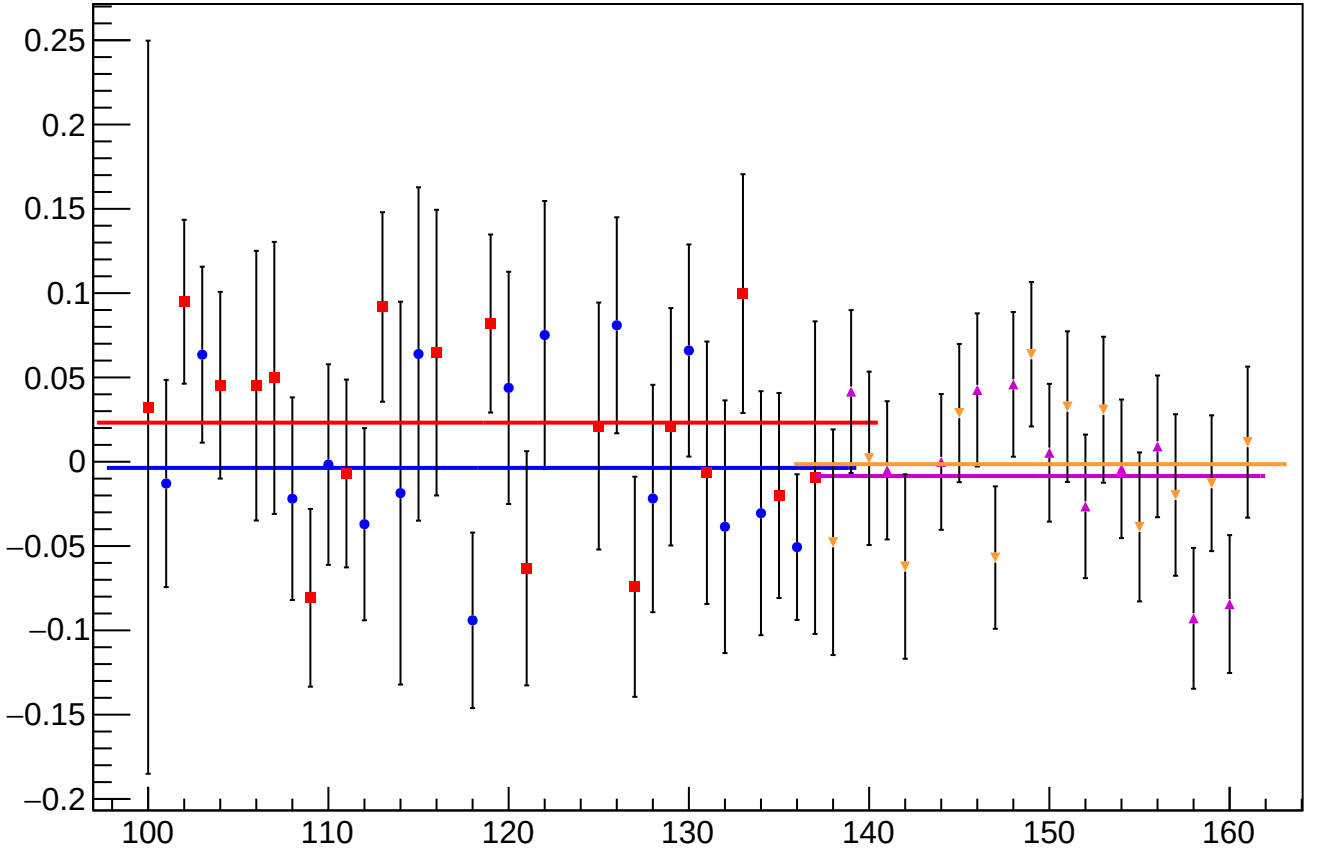
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 23.031+/-0.004 χ^2/NDF:587922.2/29

All: 22.912+/-0.003 χ^2/NDF: 1035773.3/56

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: -0.001+/-0.013 χ^2/NDF:8.5/11

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

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

Left: -0.005+/-0.009 χ^2/NDF: 20.6/22

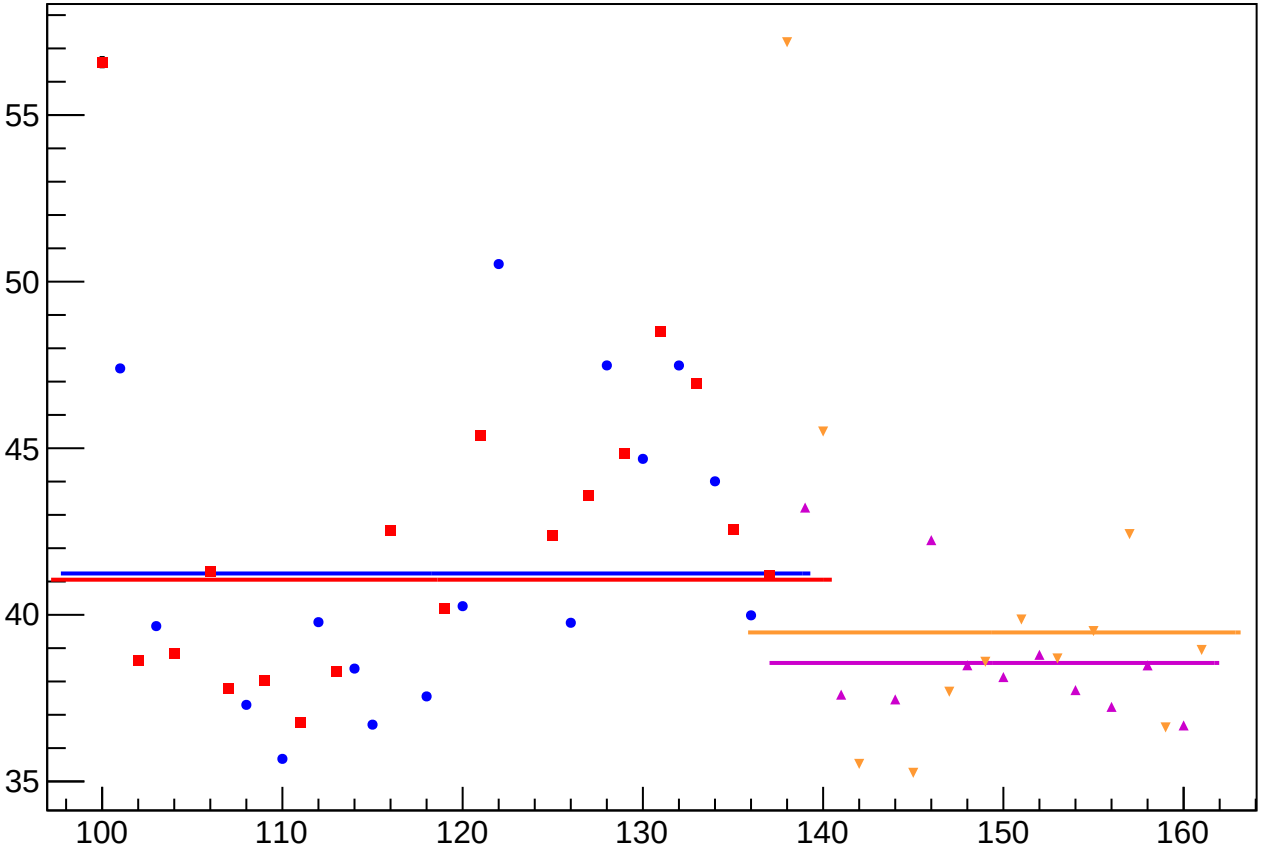
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.007+/-0.010 χ^2/NDF:23.7/26

Out: 0.009+/-0.010 χ^2/NDF:25.3/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/56

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.472+/-0.009 χ^2/NDF:222311.7/11

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

Left In: 38.556+/-0.009 χ^2/NDF:41628.9/10

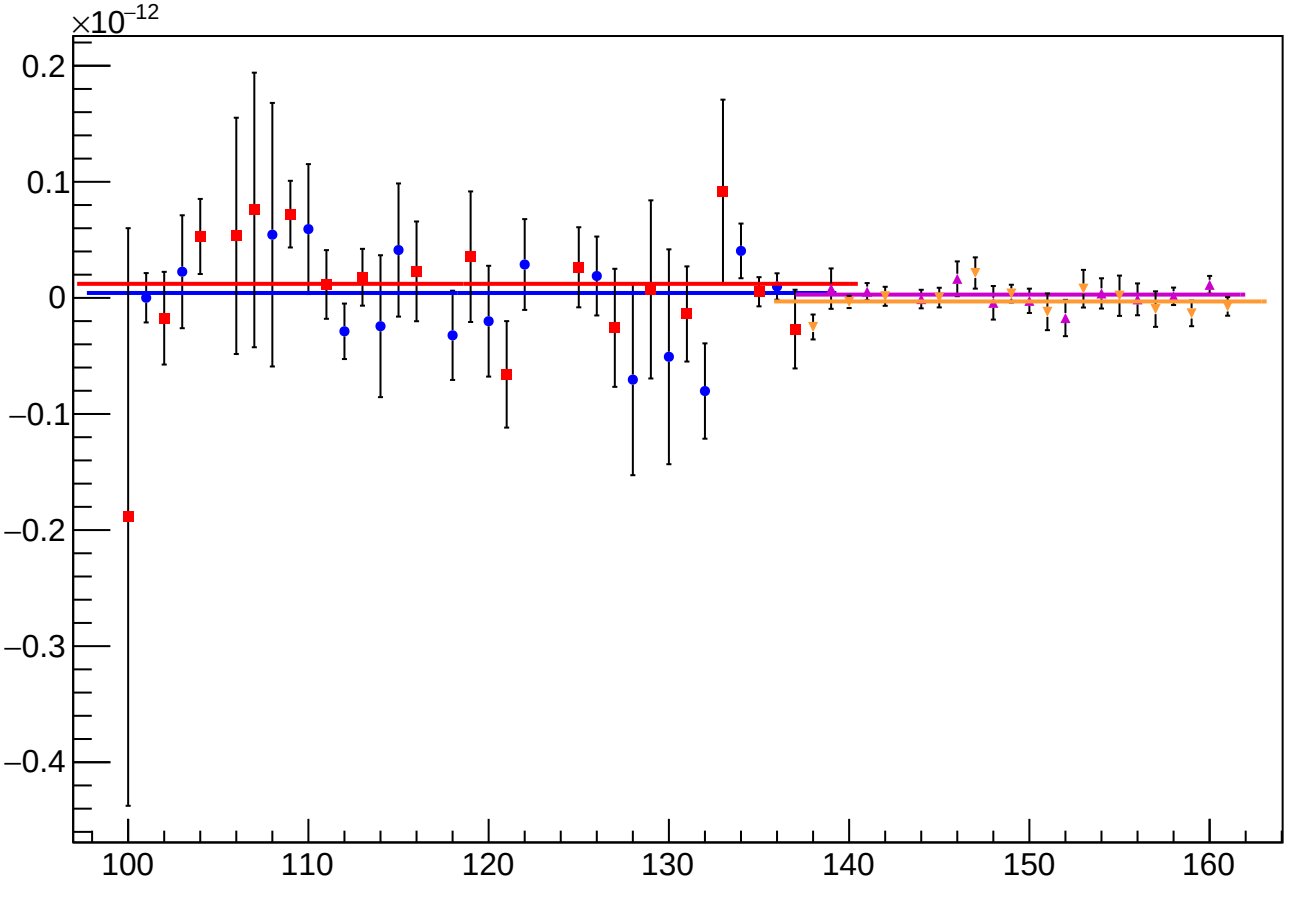
Left: 38.998+/-0.006 χ^2/NDF: 268919.9/22

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

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

Out: 40.137+/-0.007 χ^2/NDF:330941.8/29

All: 39.875+/-0.005 χ^2/NDF: 545673.7/56



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/11

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

Left In: 0.000+/-0.000 χ^2/NDF:4.8/10

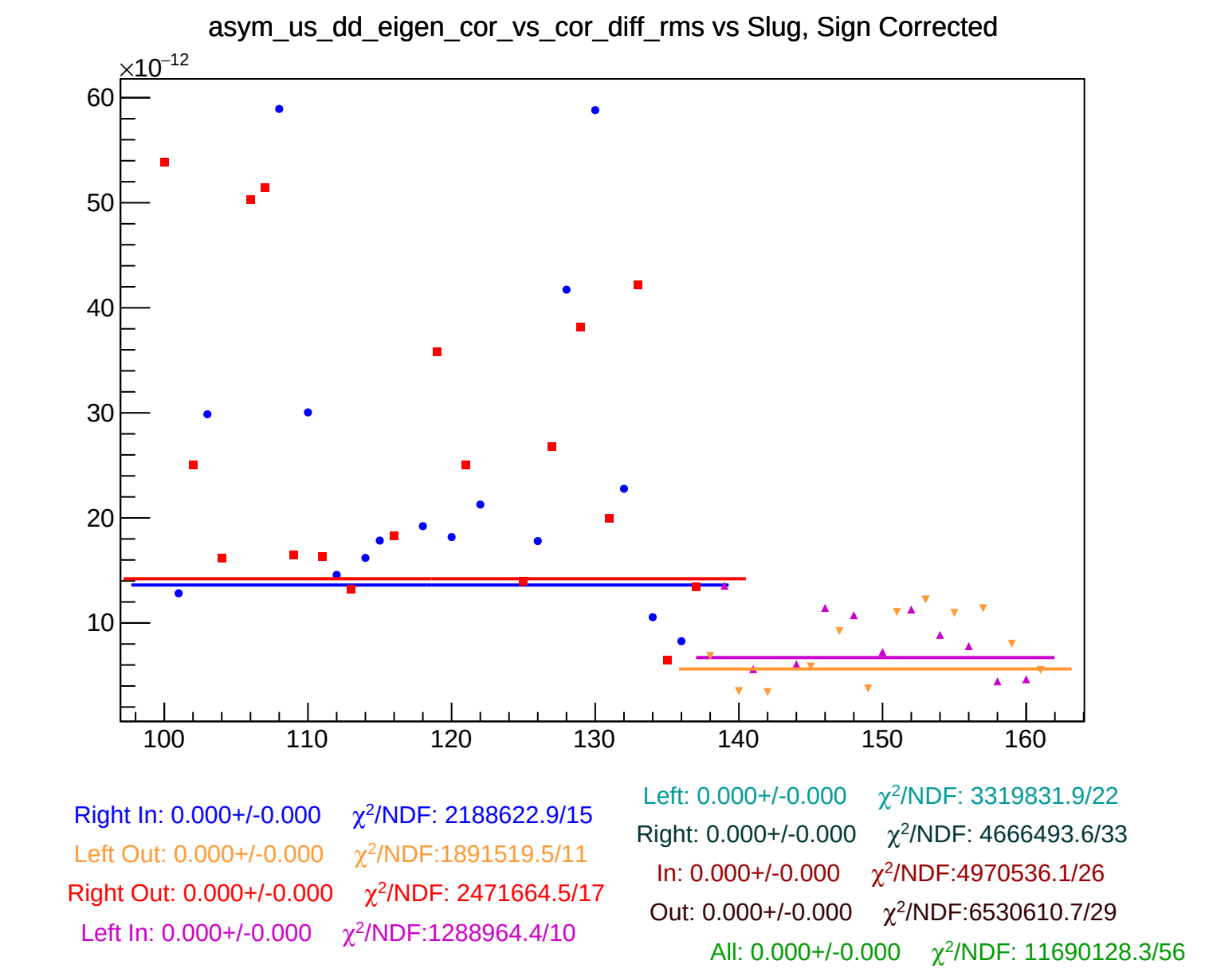
Left: -0.000+/-0.000 χ^2/NDF: 17.8/22

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

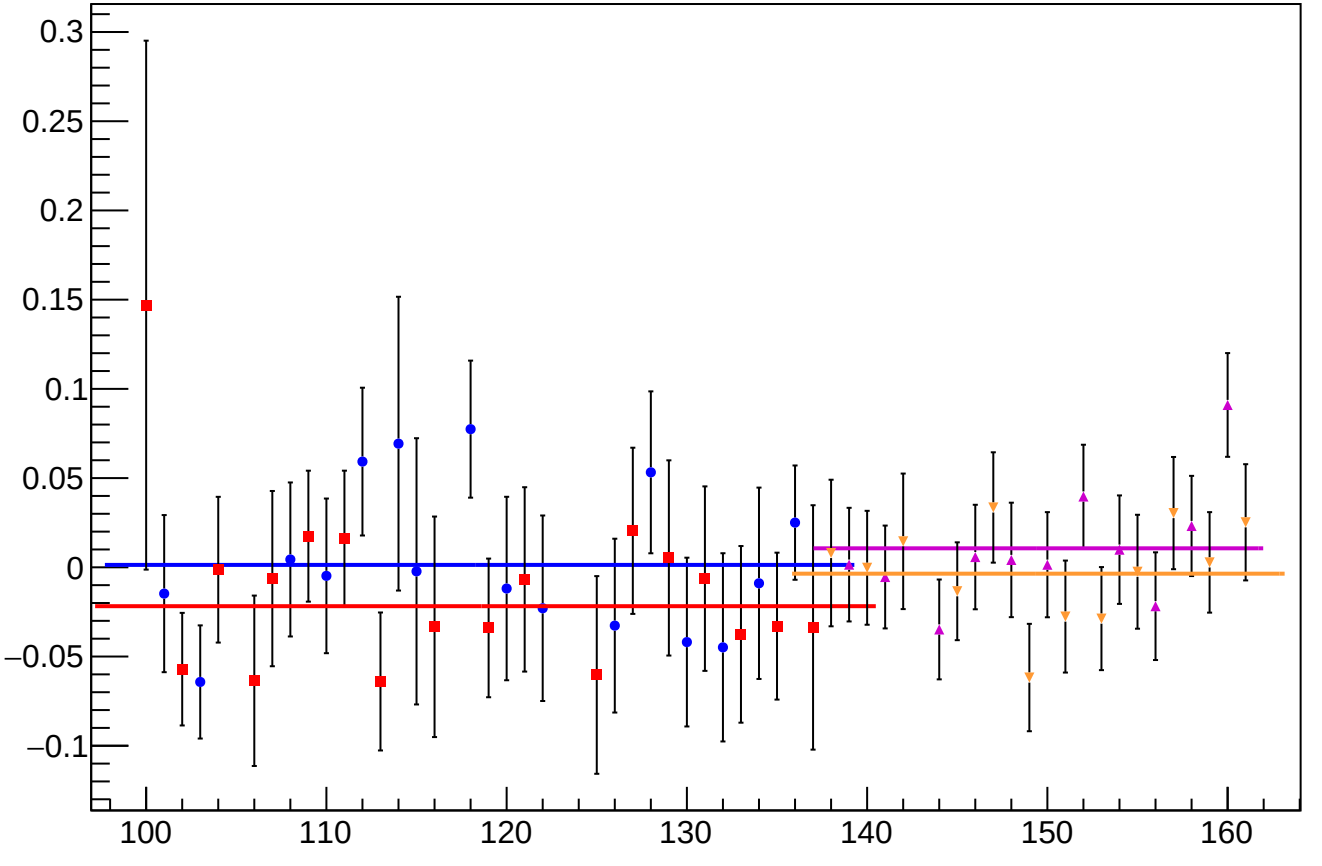
In: 0.000+/-0.000 χ^2/NDF:18.4/26

Out: -0.000+/-0.000 χ^2/NDF:28.9/29

All: 0.000+/-0.000 χ^2/NDF: 48.7/56


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1891519.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1288964.4/10
Left: 0.000+/-0.000 χ²/NDF: 3319831.9/22
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:4970536.1/26
Out: 0.000+/-0.000 χ²/NDF:6530610.7/29
All: 0.000+/-0.000 χ²/NDF: 11690128.3/56

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.009 χ^2/NDF:9.0/11

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

Left In: 0.011+/-0.009 χ^2/NDF:13.2/10

Left: 0.004+/-0.006 χ^2/NDF: 23.4/22

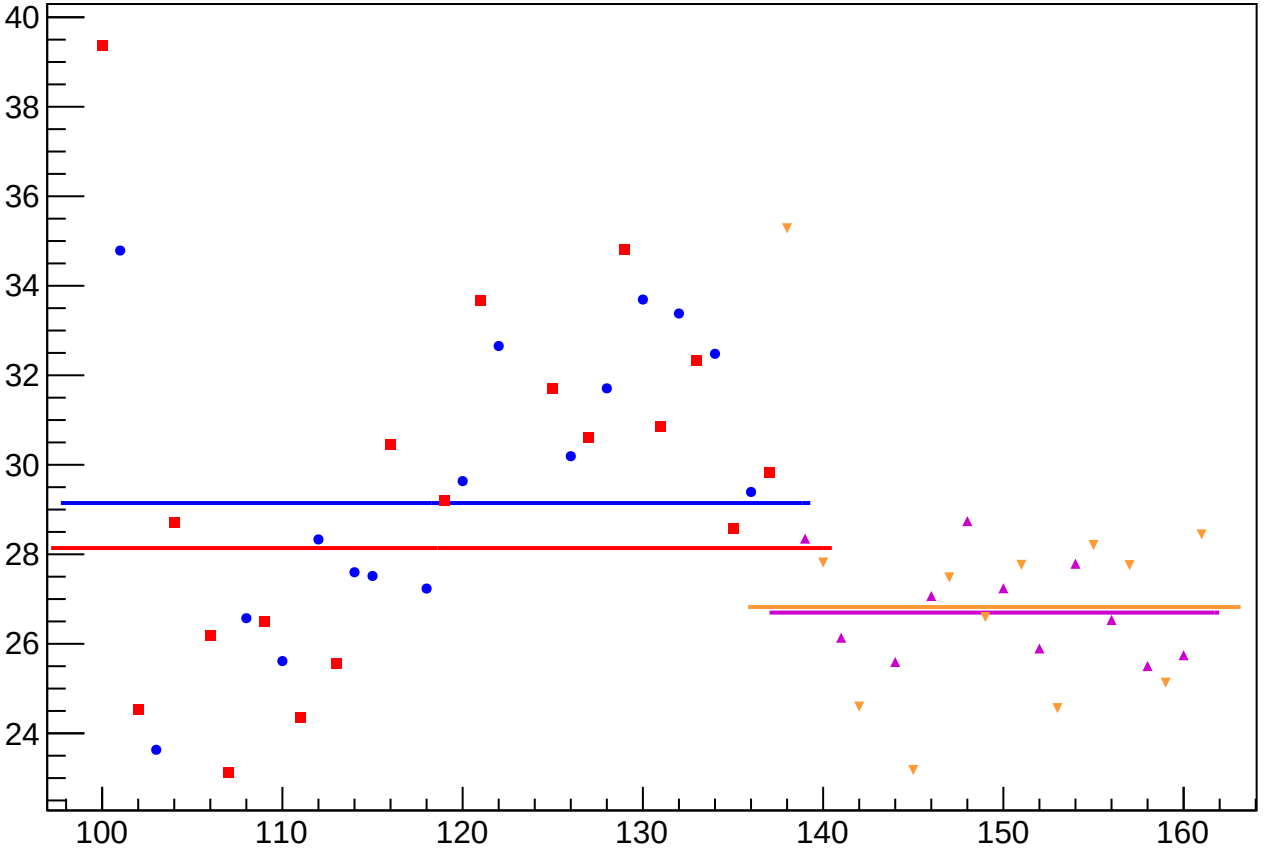
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.007+/-0.007 χ^2/NDF:28.9/26

Out: -0.011+/-0.007 χ^2/NDF:19.7/29

All: -0.002+/-0.005 χ^2/NDF: 52.0/56

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.822+/-0.006 χ^2/NDF:161798.9/11

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

Left In: 26.698+/-0.006 χ^2/NDF:28314.8/10

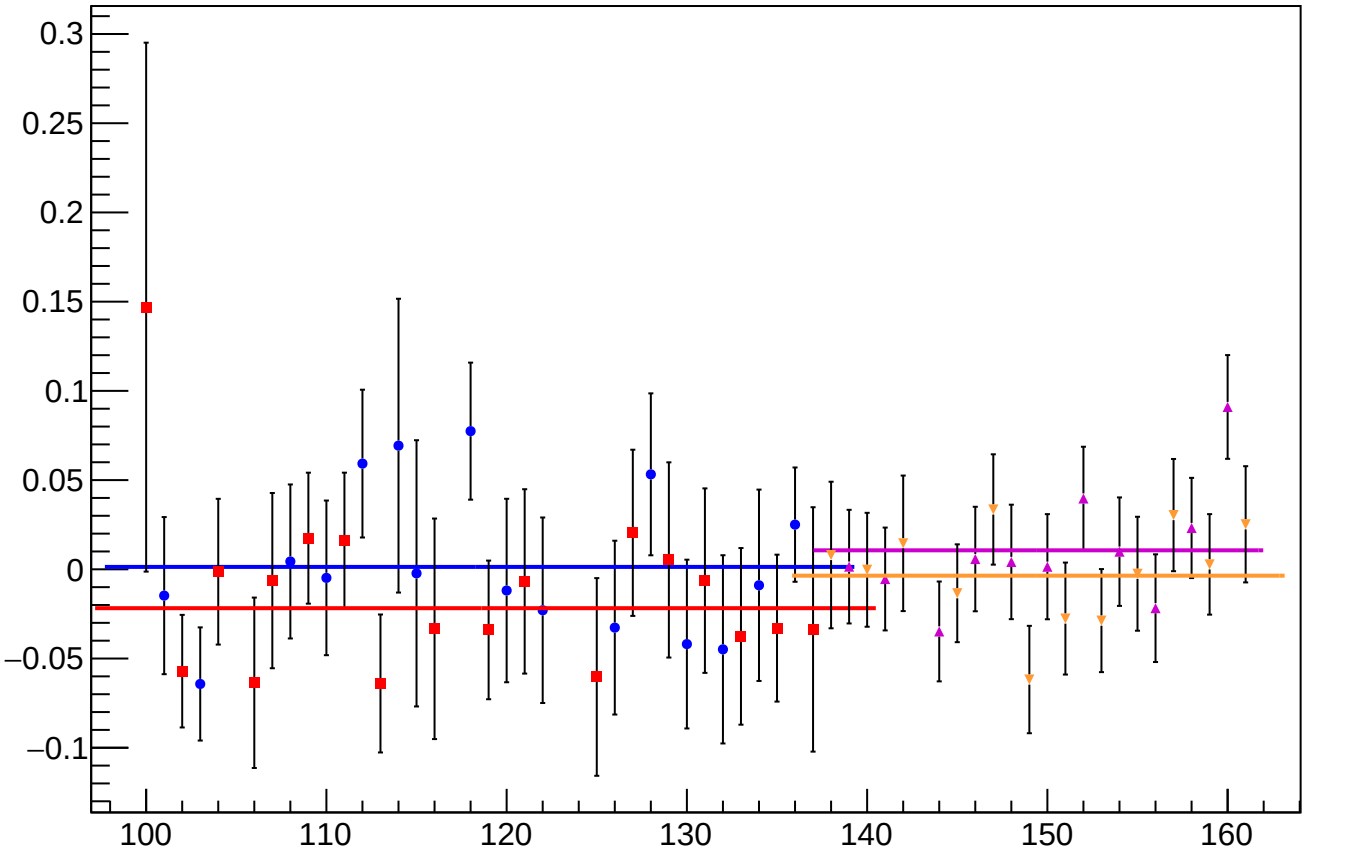
Left: 26.759+/-0.004 χ^2/NDF: 190305.0/22

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

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

Out: 27.368+/-0.005 χ^2/NDF:366410.6/29

All: 27.506+/-0.003 χ^2/NDF: 631603.6/56



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

Left Out: -0.004+/-0.009 χ^2/NDF:9.0/11

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

Left In: 0.011+/-0.009 χ^2/NDF:13.2/10

Left: 0.004+/-0.006 χ^2/NDF: 23.4/22

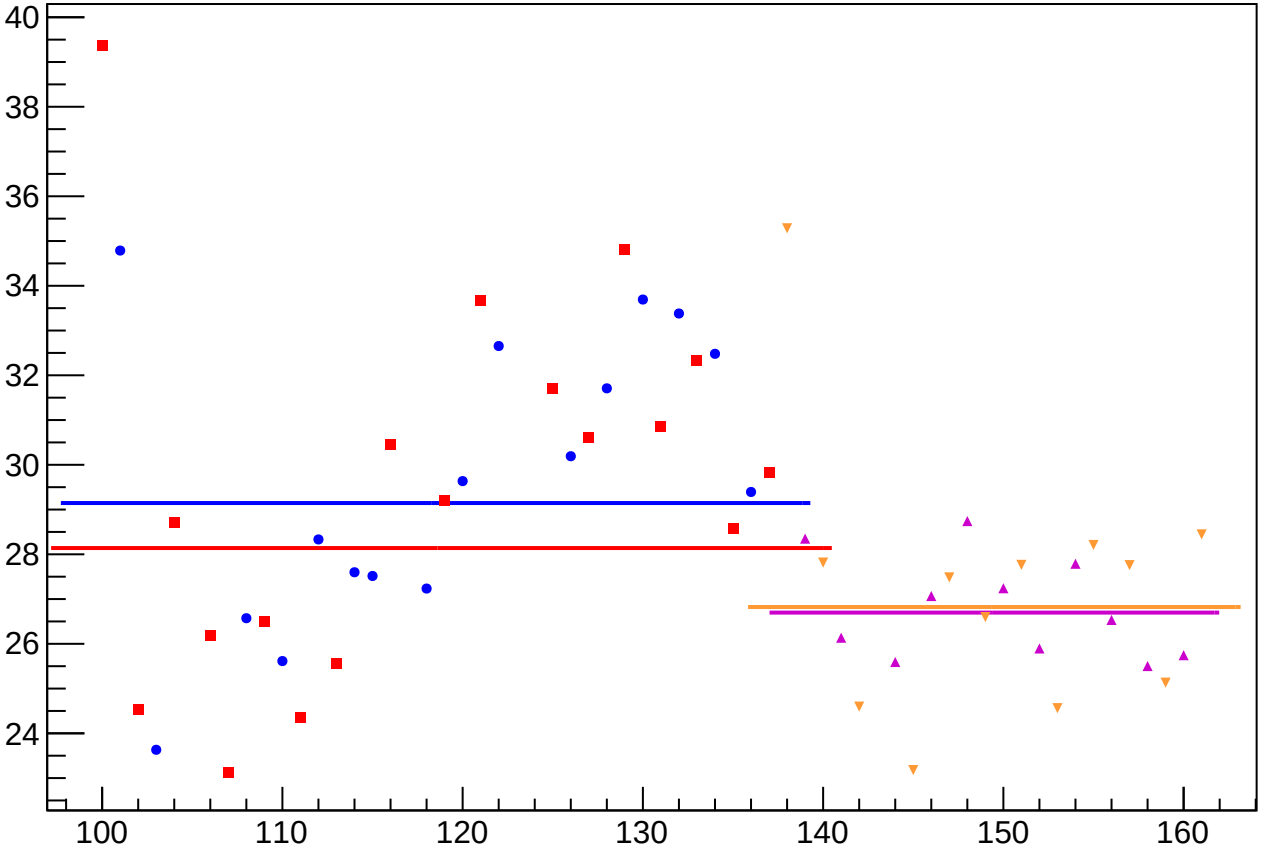
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.007+/-0.007 χ^2/NDF:28.9/26

Out: -0.011+/-0.007 χ^2/NDF:19.7/29

All: -0.002+/-0.005 χ^2/NDF: 52.0/56

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.822+/-0.006 χ^2/NDF:161798.9/11

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

Left In: 26.698+/-0.006 χ^2/NDF:28314.8/10

Left: 26.759+/-0.004 χ^2/NDF: 190305.0/22

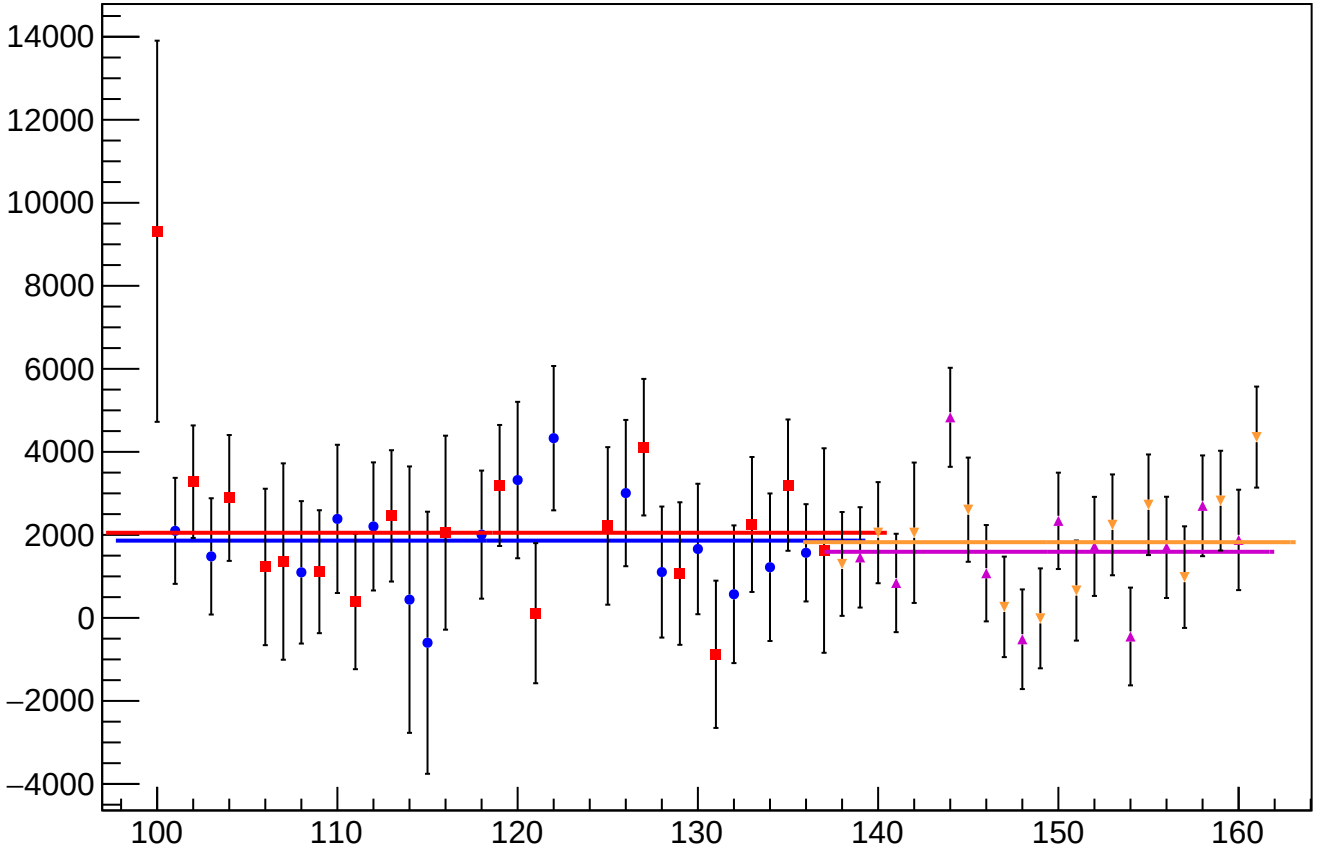
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.368+/-0.005 χ^2/NDF:366410.6/29

All: 27.506+/-0.003 χ^2/NDF: 631603.6/56

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

Left In: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1708.376+/-254.103 χ^2/NDF: 27.3/22

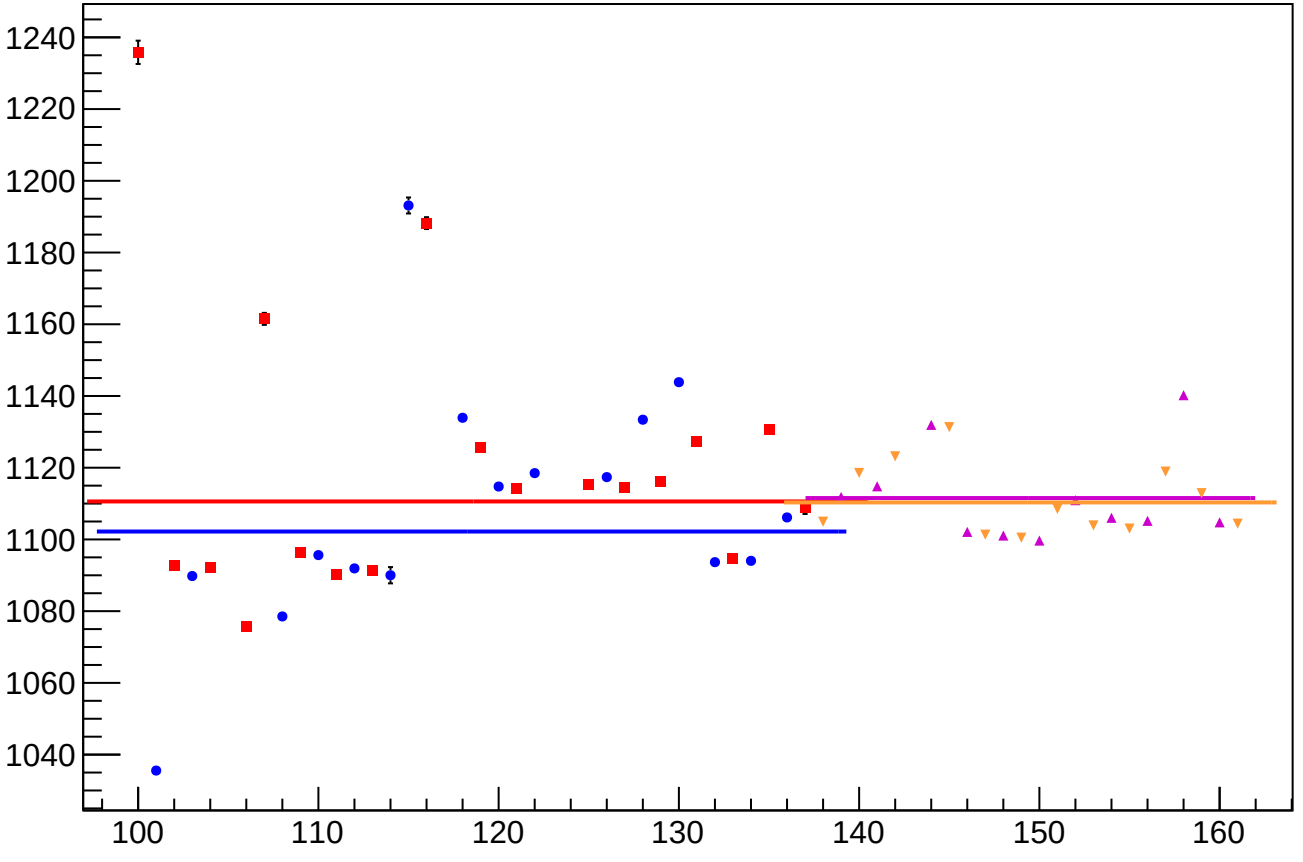
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1922.814+/-269.954 χ^2/NDF:24.4/29

All: 1816.248+/-190.967 χ^2/NDF: 45.7/56

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

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

Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

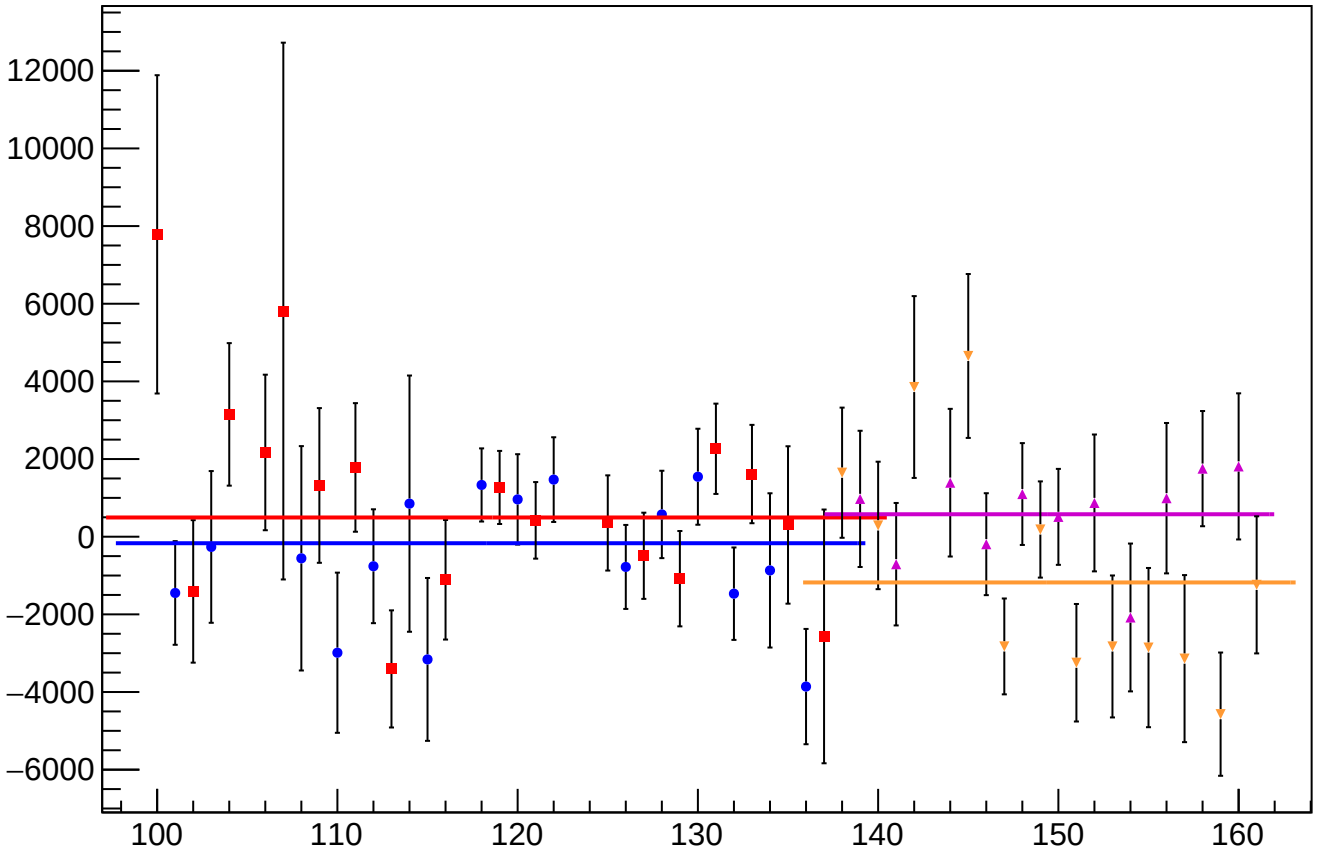
Left: 1110.930+/-0.180 χ^2/NDF: 3717.2/22

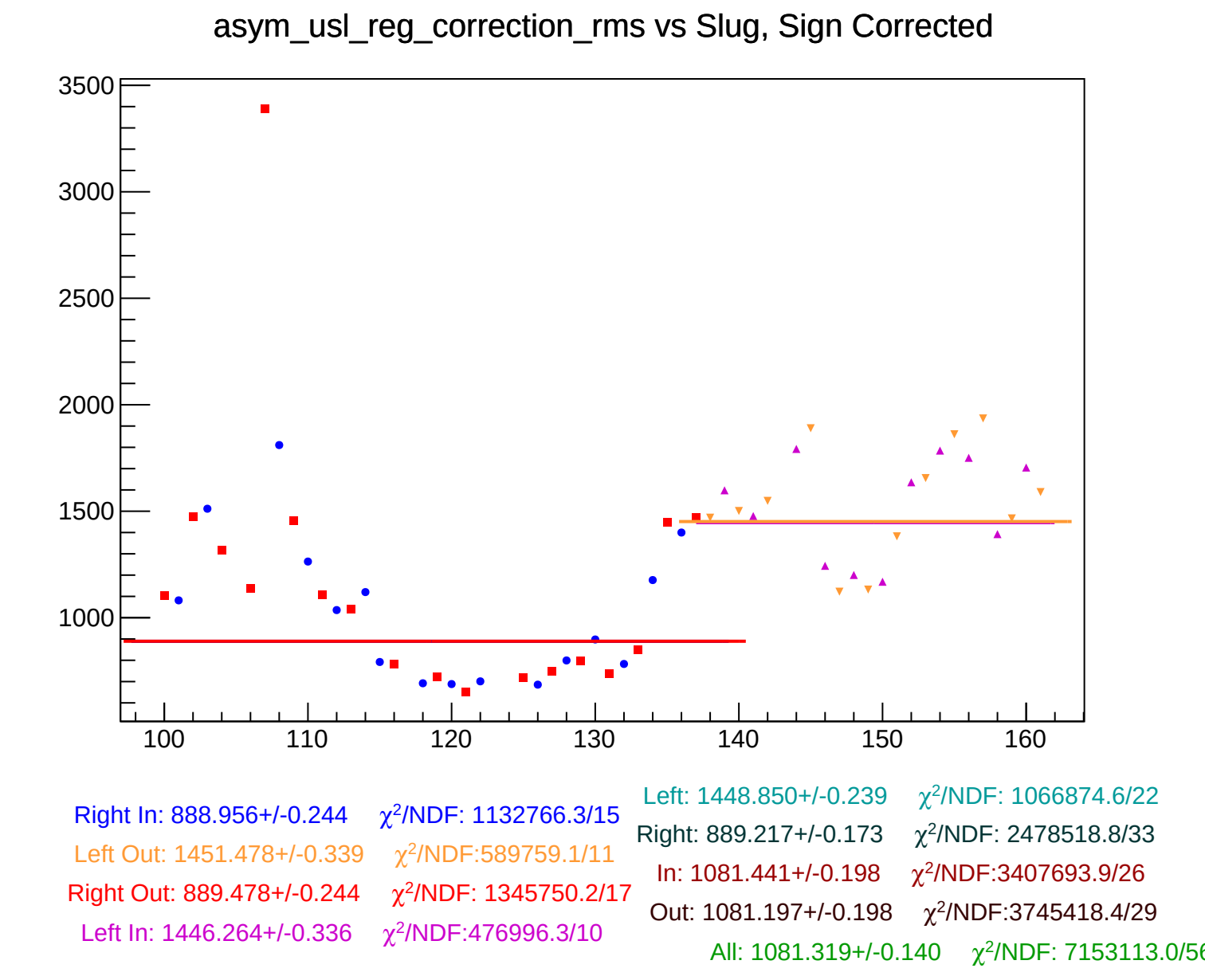
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

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

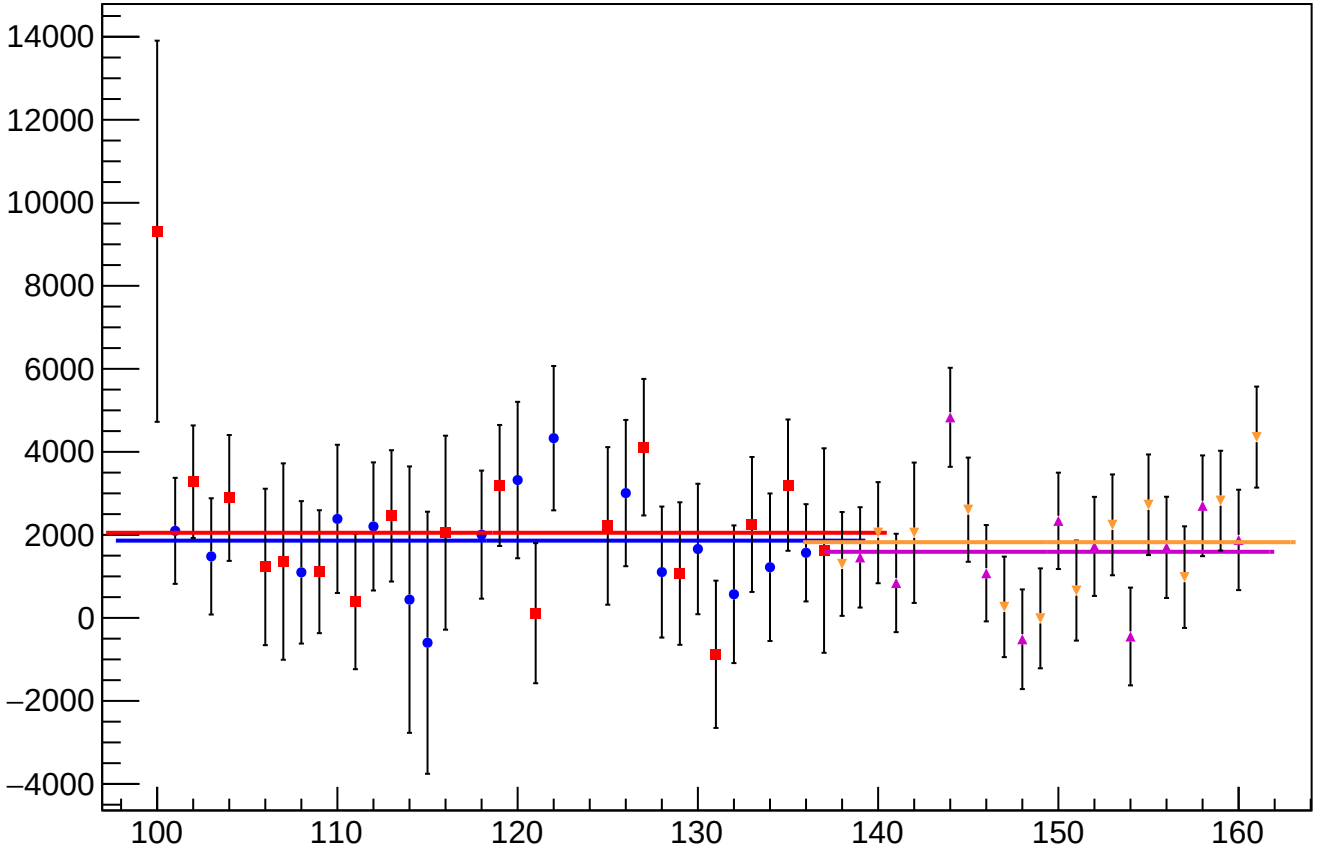
Out: 1110.439+/-0.191 χ^2/NDF:9031.0/29

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1178.115+/-479.536 χ²/NDF:27.6/11
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 578.243+/-475.574 χ²/NDF:4.5/10
Left: -292.650+/-337.673 χ²/NDF: 38.9/22
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 89.810+/-279.491 χ²/NDF:27.1/26
Out: -75.648+/-280.082 χ²/NDF:59.0/29
All: 7.256+/-197.839 χ²/NDF: 86.2/56


asym_usl_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 888.956+/-0.244 χ²/NDF: 1132766.3/15
Left Out: 1451.478+/-0.339 χ²/NDF:589759.1/11
Right Out: 889.478+/-0.244 χ²/NDF: 1345750.2/17
Left In: 1446.264+/-0.336 χ²/NDF:476996.3/10
Left: 1448.850+/-0.239 χ²/NDF: 1066874.6/22
Right: 889.217+/-0.173 χ²/NDF: 2478518.8/33
In: 1081.441+/-0.198 χ²/NDF:3407693.9/26
Out: 1081.197+/-0.198 χ²/NDF:3745418.4/29
All: 1081.319+/-0.140 χ²/NDF: 7153113.0/56

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

Left In: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1708.376+/-254.103 χ^2/NDF: 27.3/22

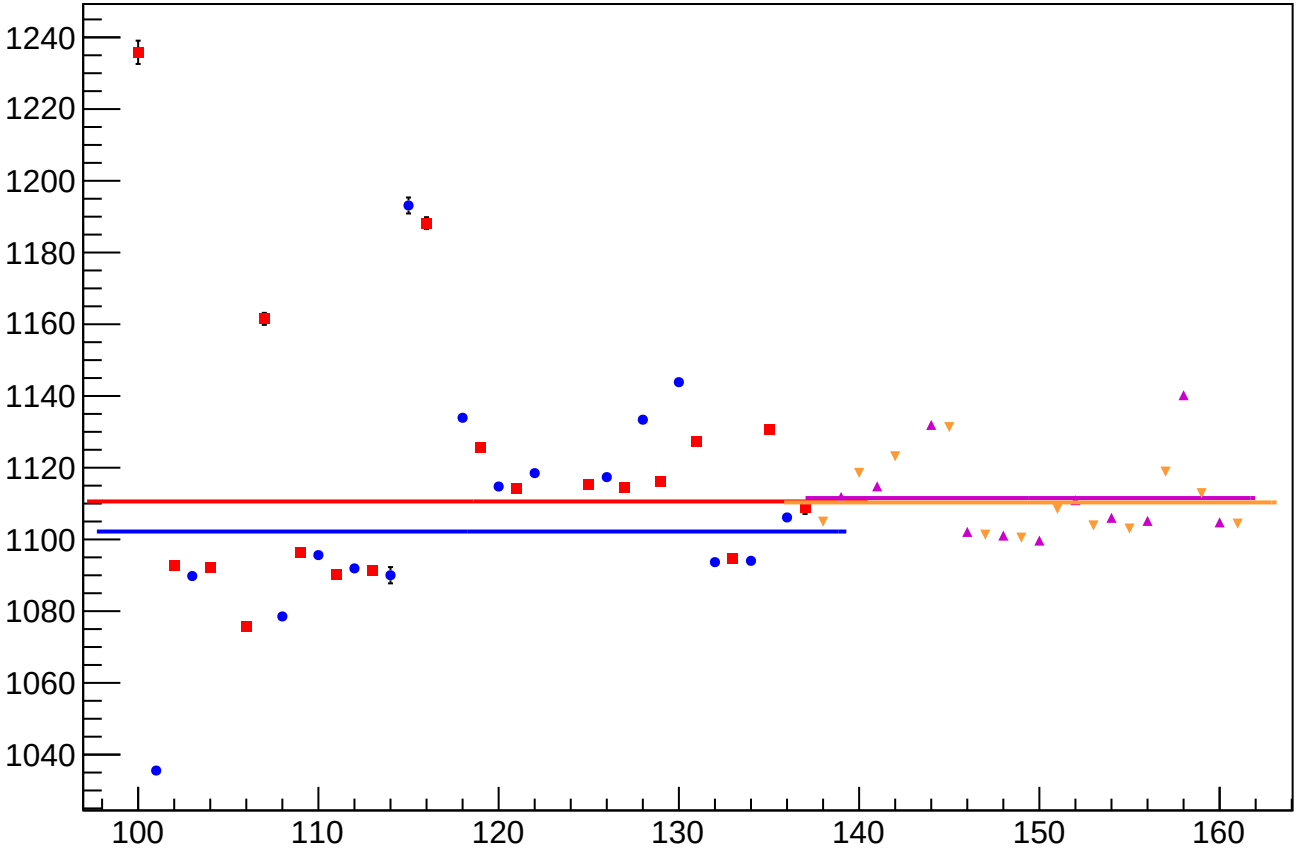
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1922.814+/-269.954 χ^2/NDF:24.4/29

All: 1816.248+/-190.967 χ^2/NDF: 45.7/56

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

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

Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

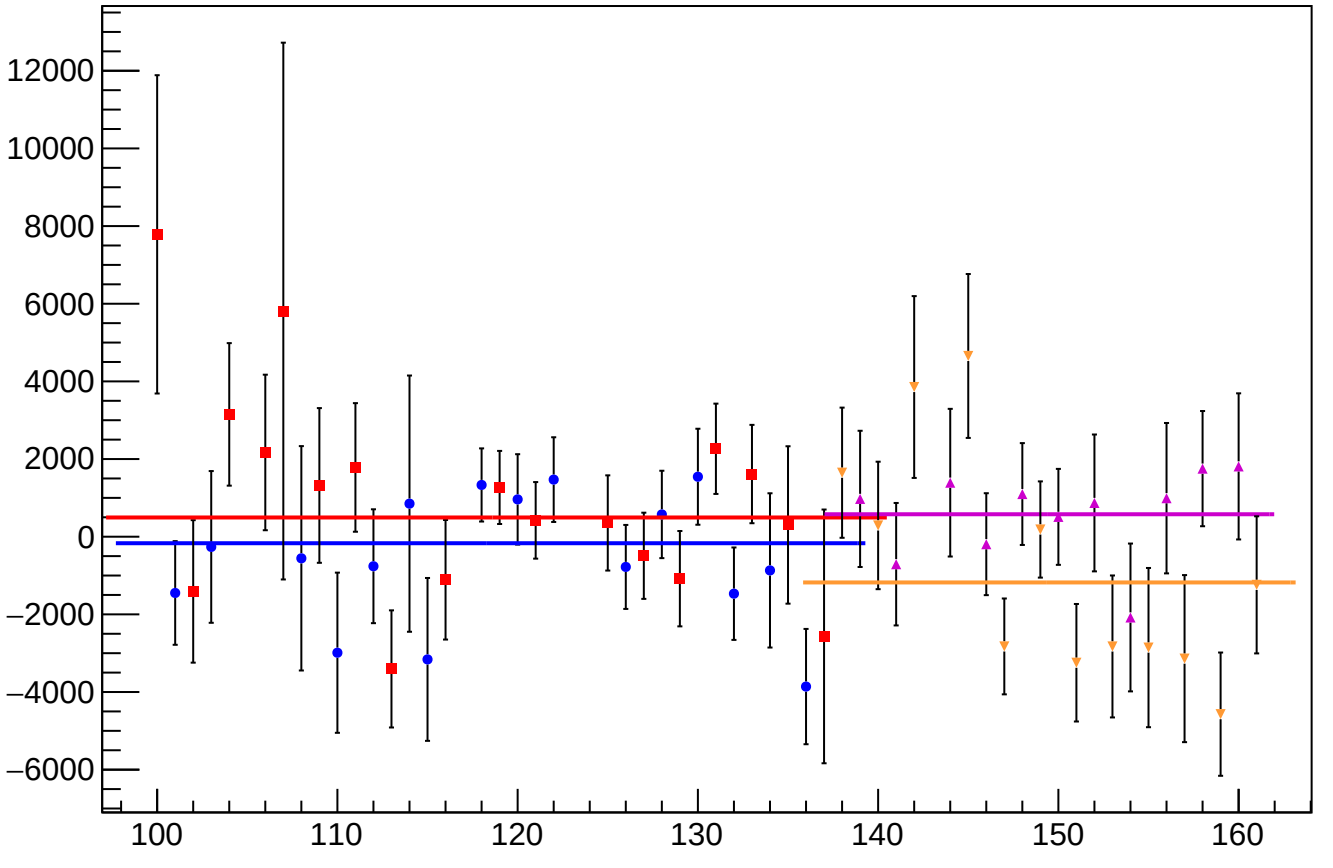
Left: 1110.930+/-0.180 χ^2/NDF: 3717.2/22

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

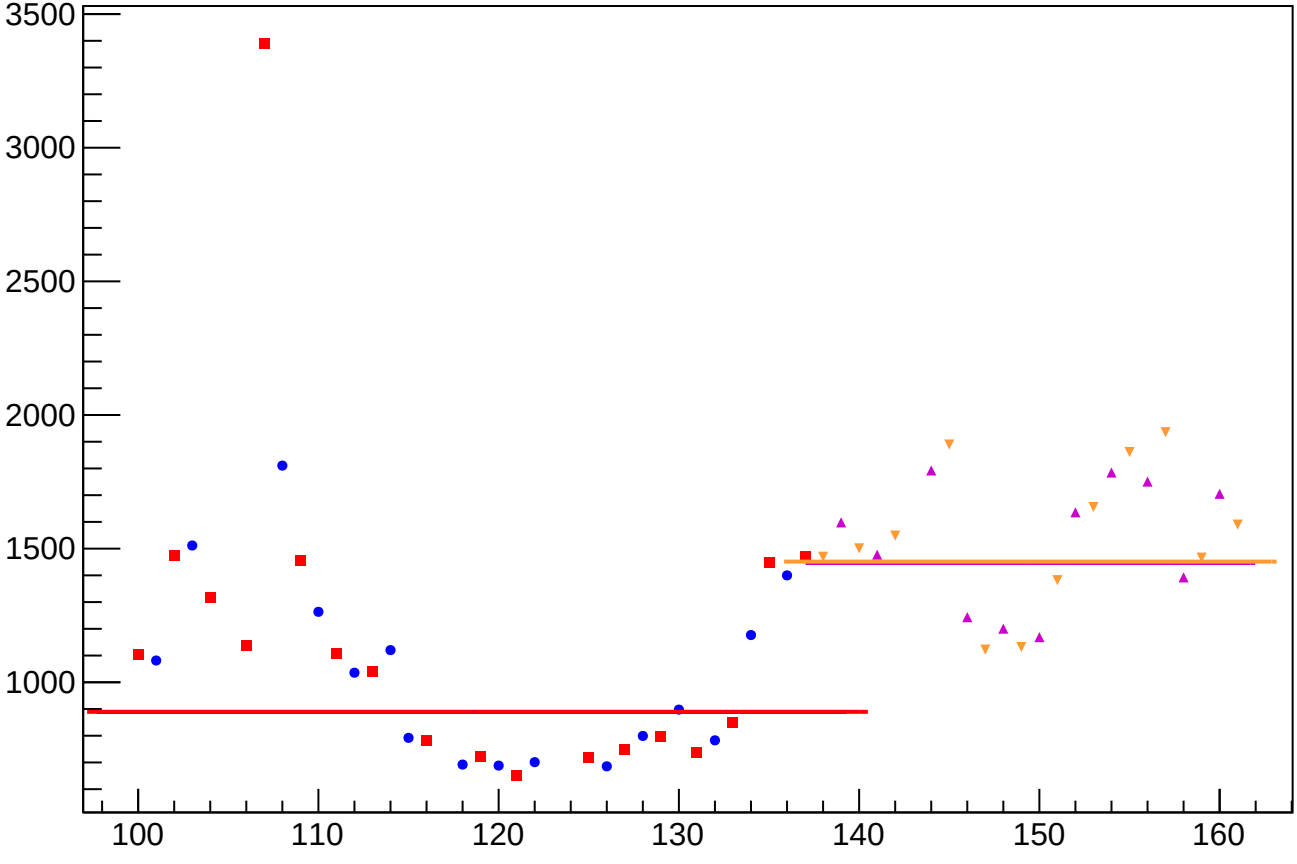
In: 1107.477+/-0.191 χ^2/NDF:14307.0/26

Out: 1110.439+/-0.191 χ^2/NDF:9031.0/29

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56


asym_usl_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1178.115+/-479.536 χ²/NDF:27.6/11
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 578.243+/-475.574 χ²/NDF:4.5/10
Left: -292.650+/-337.673 χ²/NDF: 38.9/22
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 89.810+/-279.491 χ²/NDF:27.1/26
Out: -75.648+/-280.082 χ²/NDF:59.0/29
All: 7.256+/-197.839 χ²/NDF: 86.2/56

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1451.478+/-0.339 χ^2/NDF:589759.1/11

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

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

Left: 1448.850+/-0.239 χ^2/NDF: 1066874.6/22

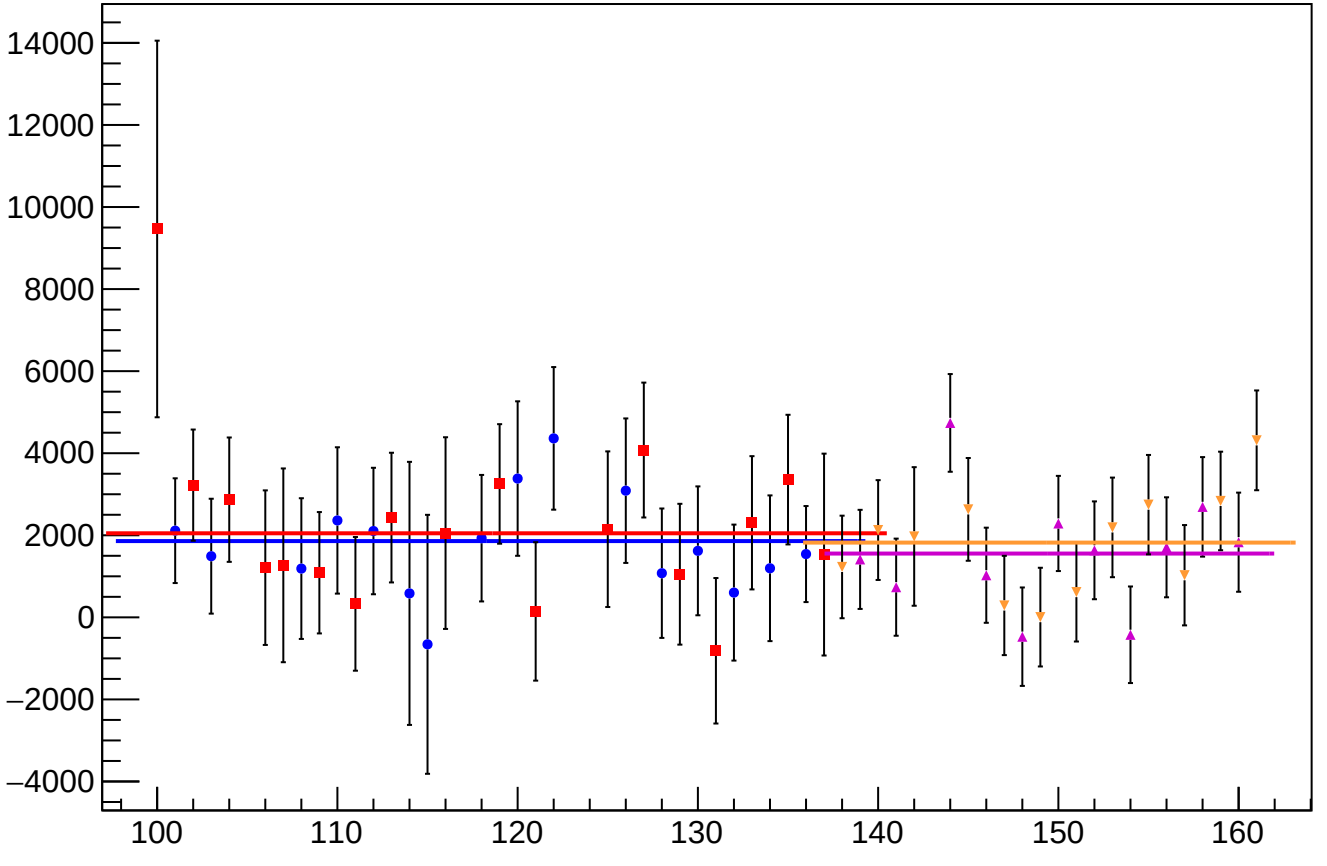
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1081.197+/-0.198 χ^2/NDF:3745418.4/29

All: 1081.319+/-0.140 χ^2/NDF: 7153113.0/56

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1821.958+/-358.802 χ^2/NDF:11.6/11

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

Left In: 1554.678+/-359.159 χ^2/NDF:14.9/10

Left: 1688.451+/-253.838 χ^2/NDF: 26.8/22

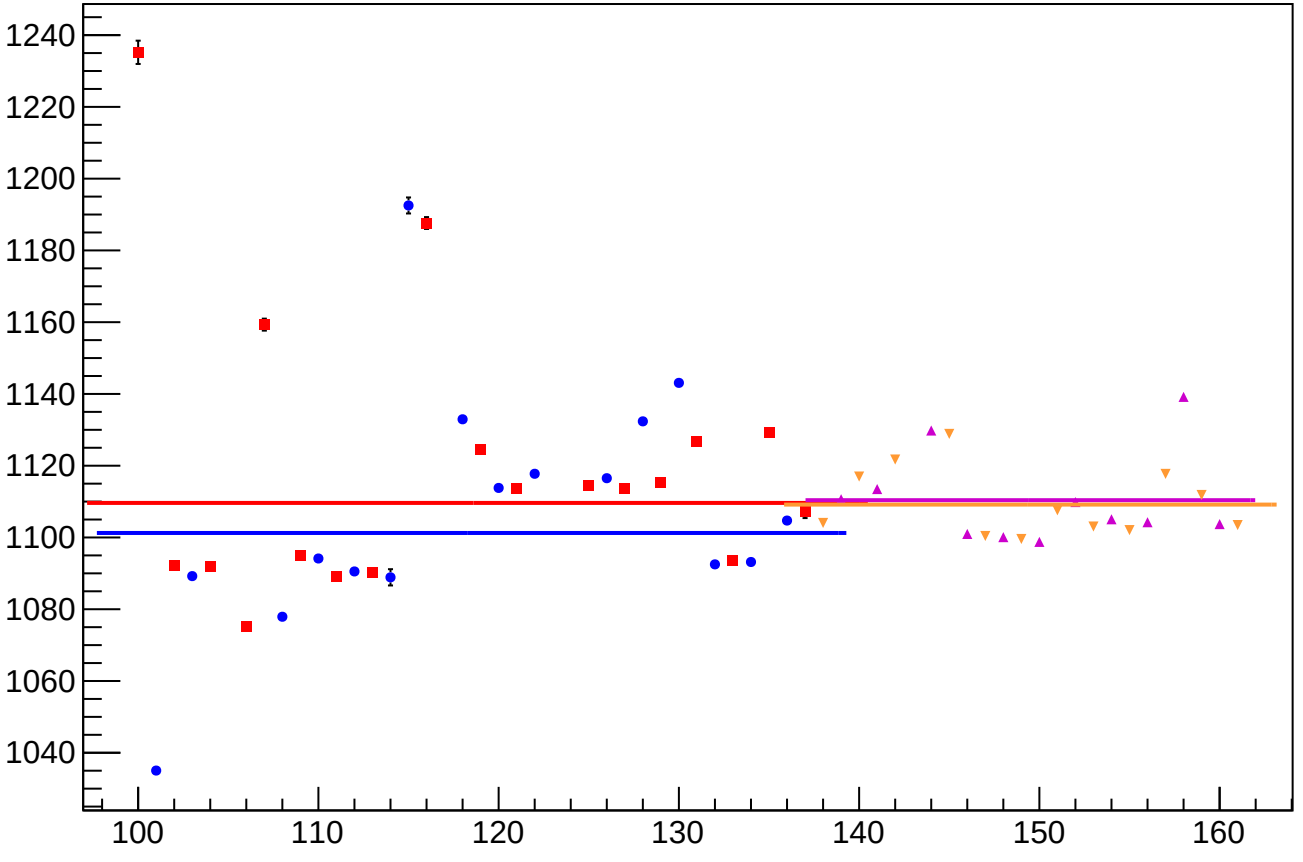
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1920.586+/-269.692 χ^2/NDF:24.5/29

All: 1803.881+/-190.783 χ^2/NDF: 45.5/56

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.163+/-0.254 χ^2/NDF:1228.3/11

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

Left In: 1110.389+/-0.254 χ^2/NDF:2305.8/10

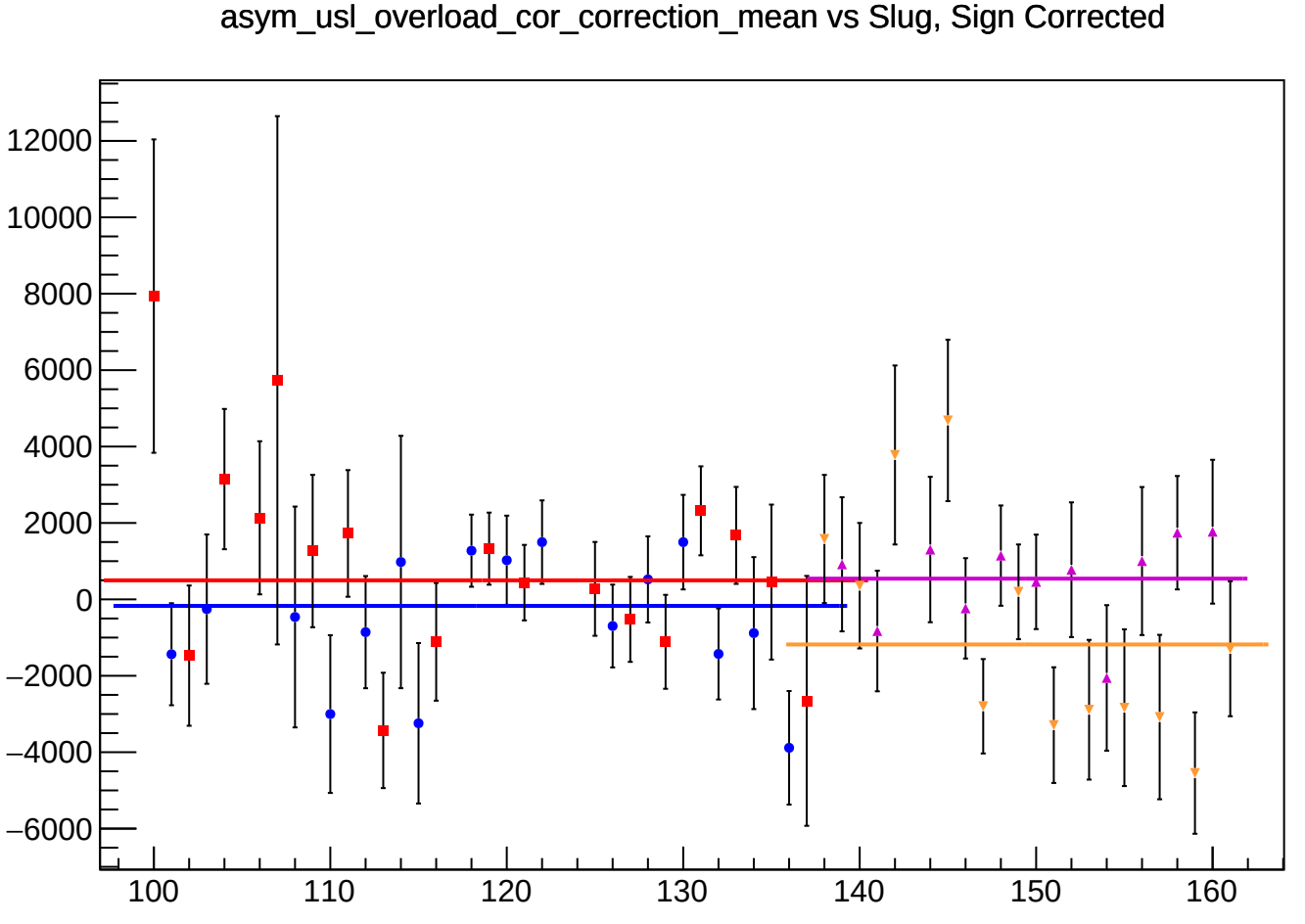
Left: 1109.775+/-0.179 χ^2/NDF: 3545.7/22

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

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

Out: 1109.366+/-0.191 χ^2/NDF:8902.8/29

All: 1107.891+/-0.135 χ^2/NDF: 23199.5/56



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

Left Out: -1180.164+/-479.829 χ^2/NDF:27.5/11

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

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

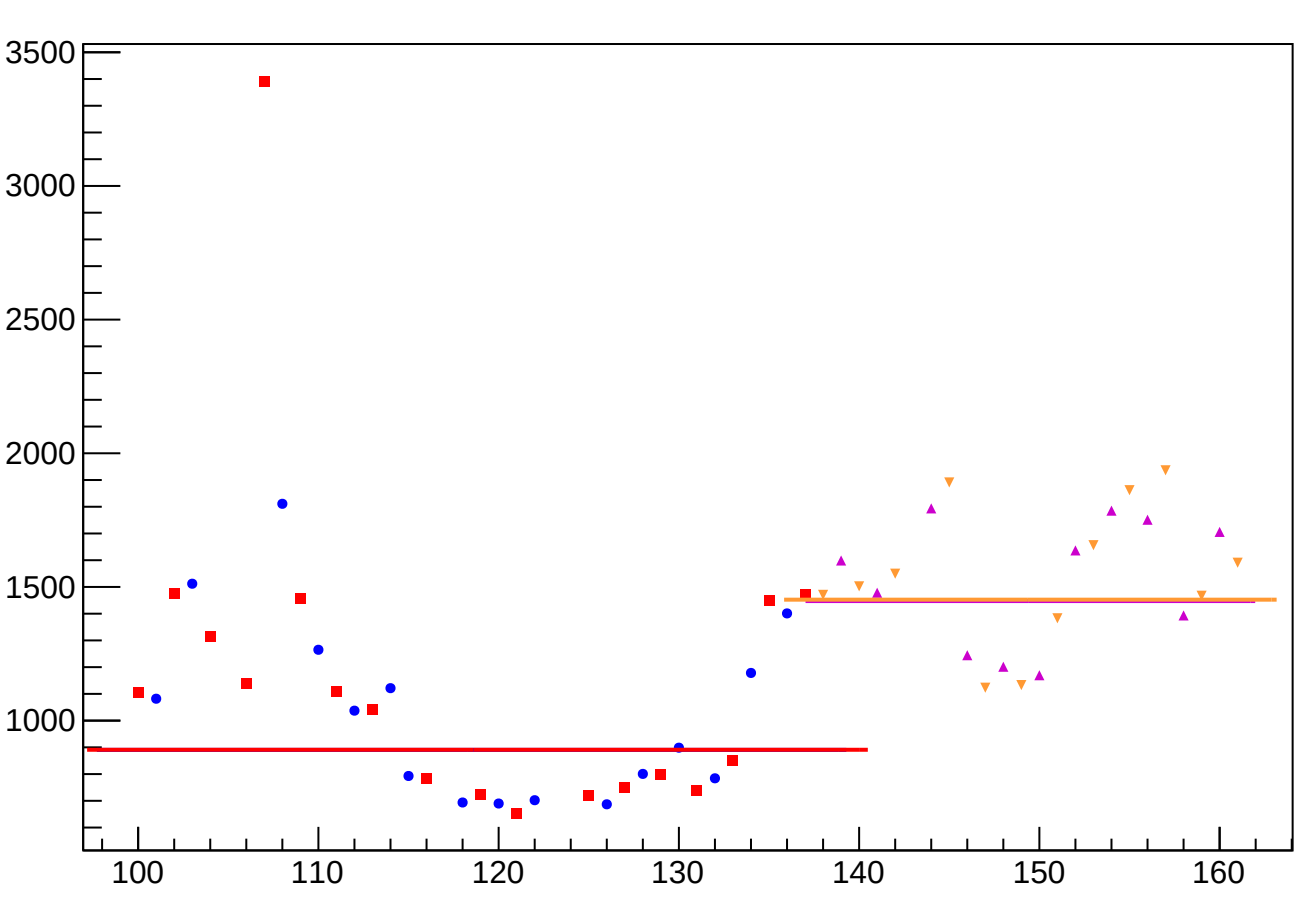
Left: -311.641+/-337.881 χ^2/NDF: 38.5/22

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

In: 75.814+/-279.836 χ^2/NDF:26.9/26

Out: -75.167+/-280.414 χ^2/NDF:59.4/29

All: 0.480+/-198.078 χ^2/NDF: 86.5/56



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

Left Out: 1452.409+/-0.339 χ^2/NDF:588901.8/11

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

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

Left: 1449.779+/-0.239 χ^2/NDF: 1065293.5/22

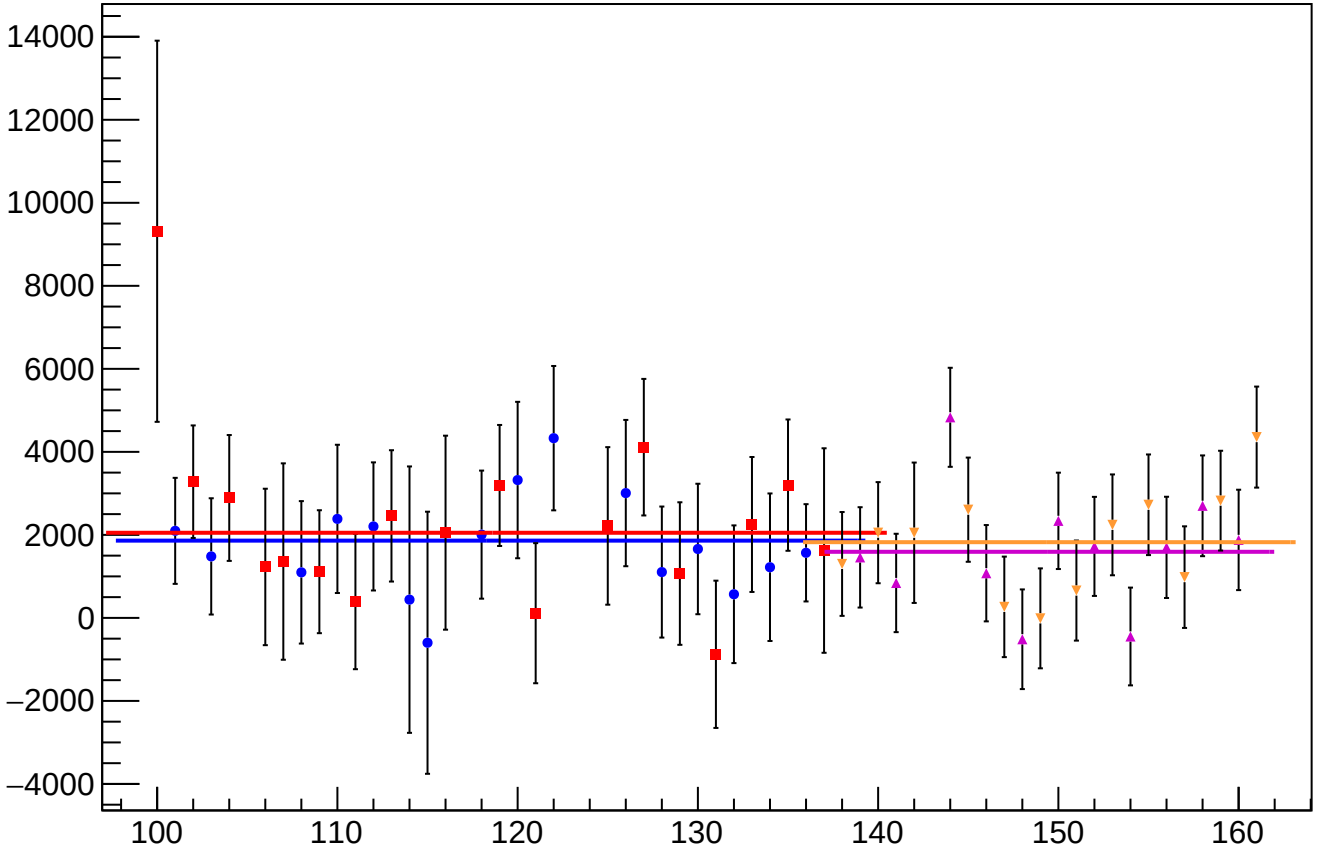
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 1082.696+/-0.198 χ^2/NDF:3733930.2/29

All: 1082.851+/-0.140 χ^2/NDF: 7129551.2/56

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

Left In: 1592.327+/-359.533 χ^2/NDF:15.4/10

Left: 1708.376+/-254.103 χ^2/NDF: 27.3/22

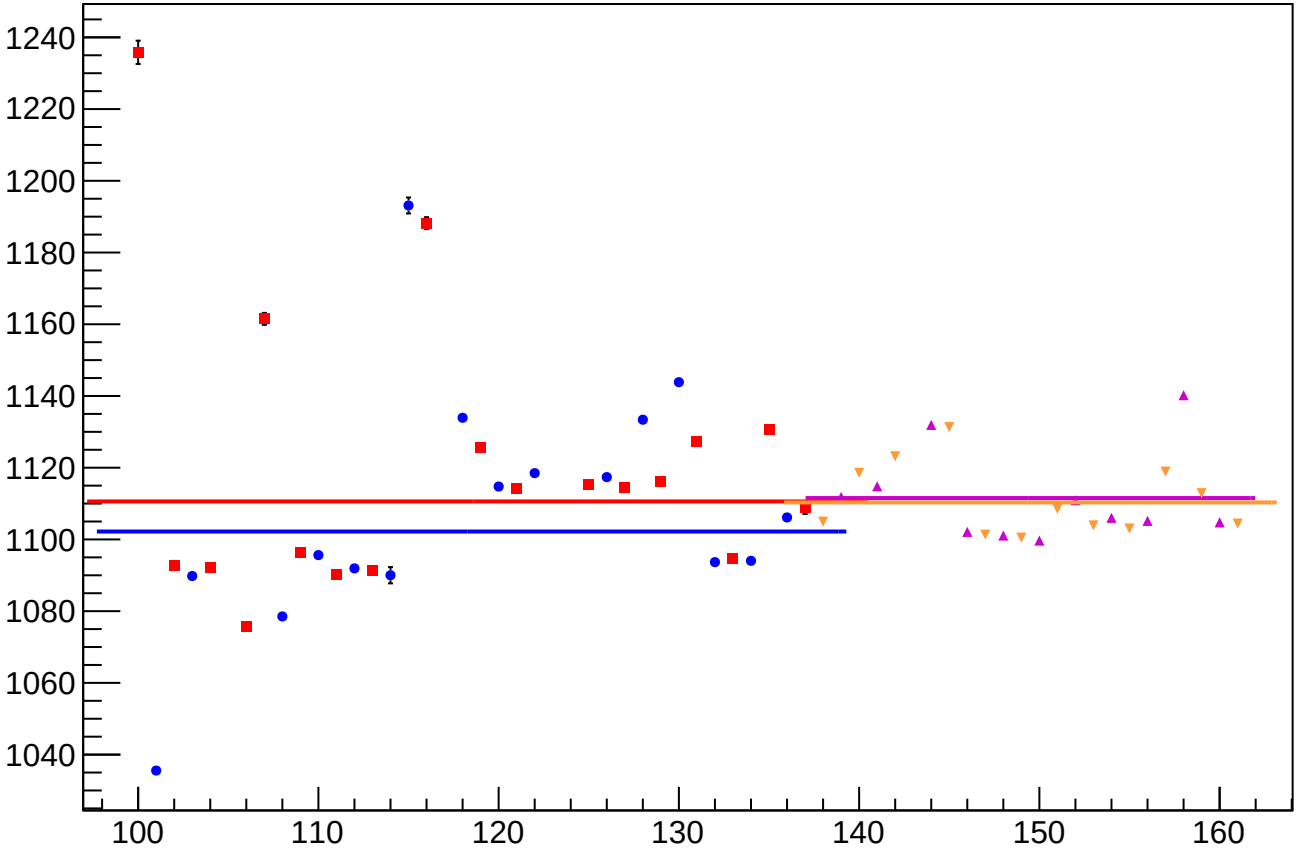
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1922.814+/-269.954 χ^2/NDF:24.4/29

All: 1816.248+/-190.967 χ^2/NDF: 45.7/56

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

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

Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

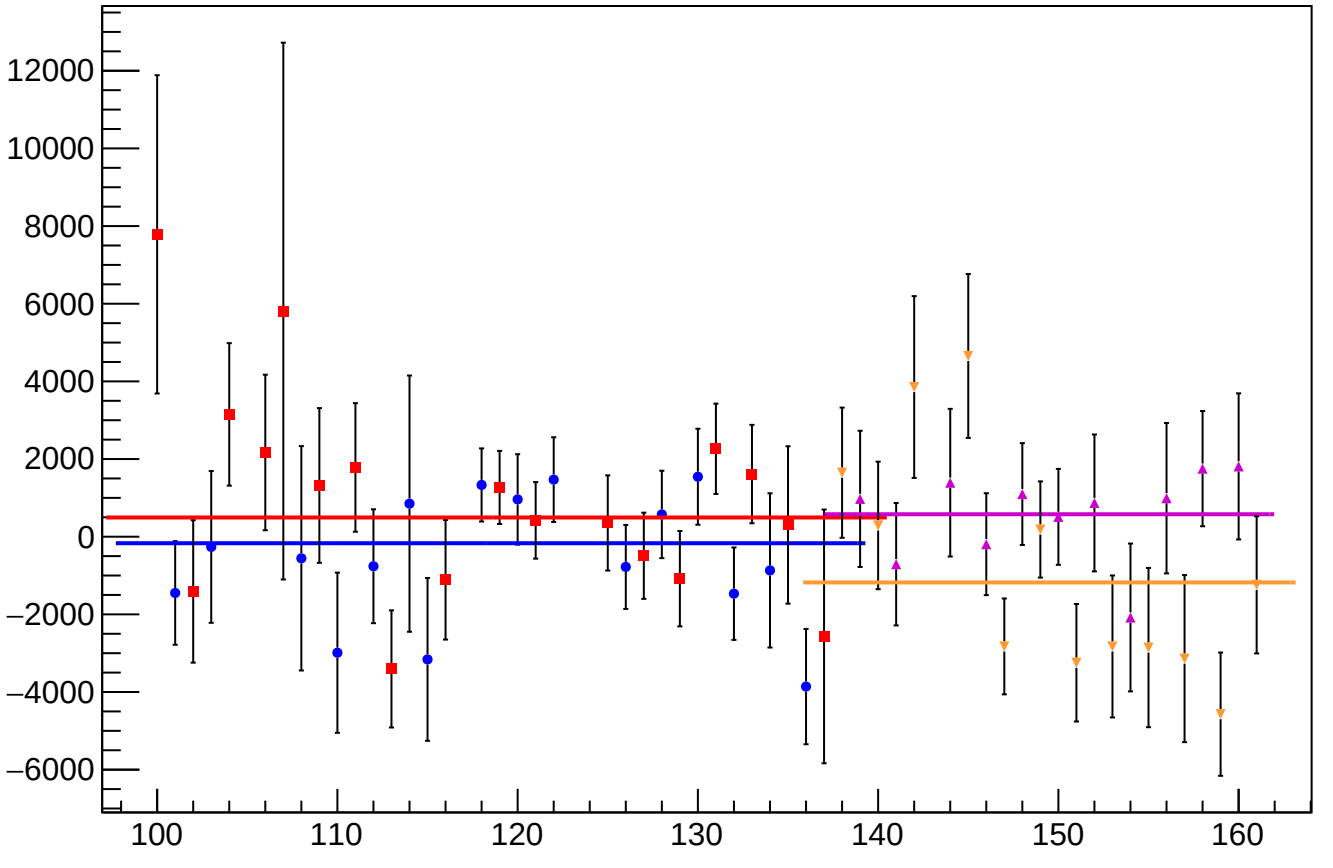
Left: 1110.930+/-0.180 χ^2/NDF: 3717.2/22

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

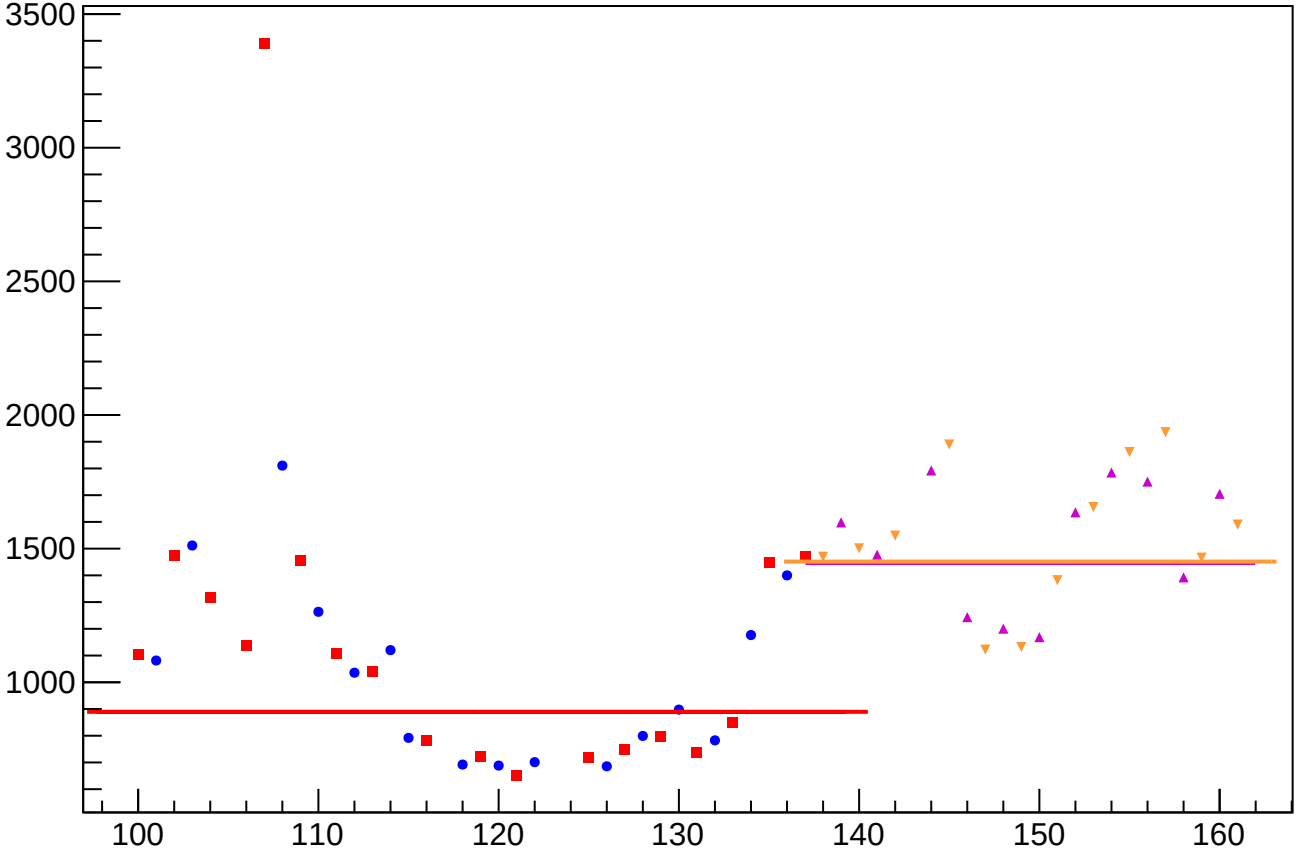
In: 1107.477+/-0.191 χ^2/NDF:14307.0/26

Out: 1110.439+/-0.191 χ^2/NDF:9031.0/29

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56


asym_usl_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1178.115+/-479.536 χ²/NDF:27.6/11
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 578.243+/-475.574 χ²/NDF:4.5/10
Left: -292.650+/-337.673 χ²/NDF: 38.9/22
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 89.810+/-279.491 χ²/NDF:27.1/26
Out: -75.648+/-280.082 χ²/NDF:59.0/29
All: 7.256+/-197.839 χ²/NDF: 86.2/56

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1451.478+/-0.339 χ^2/NDF:589759.1/11

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

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

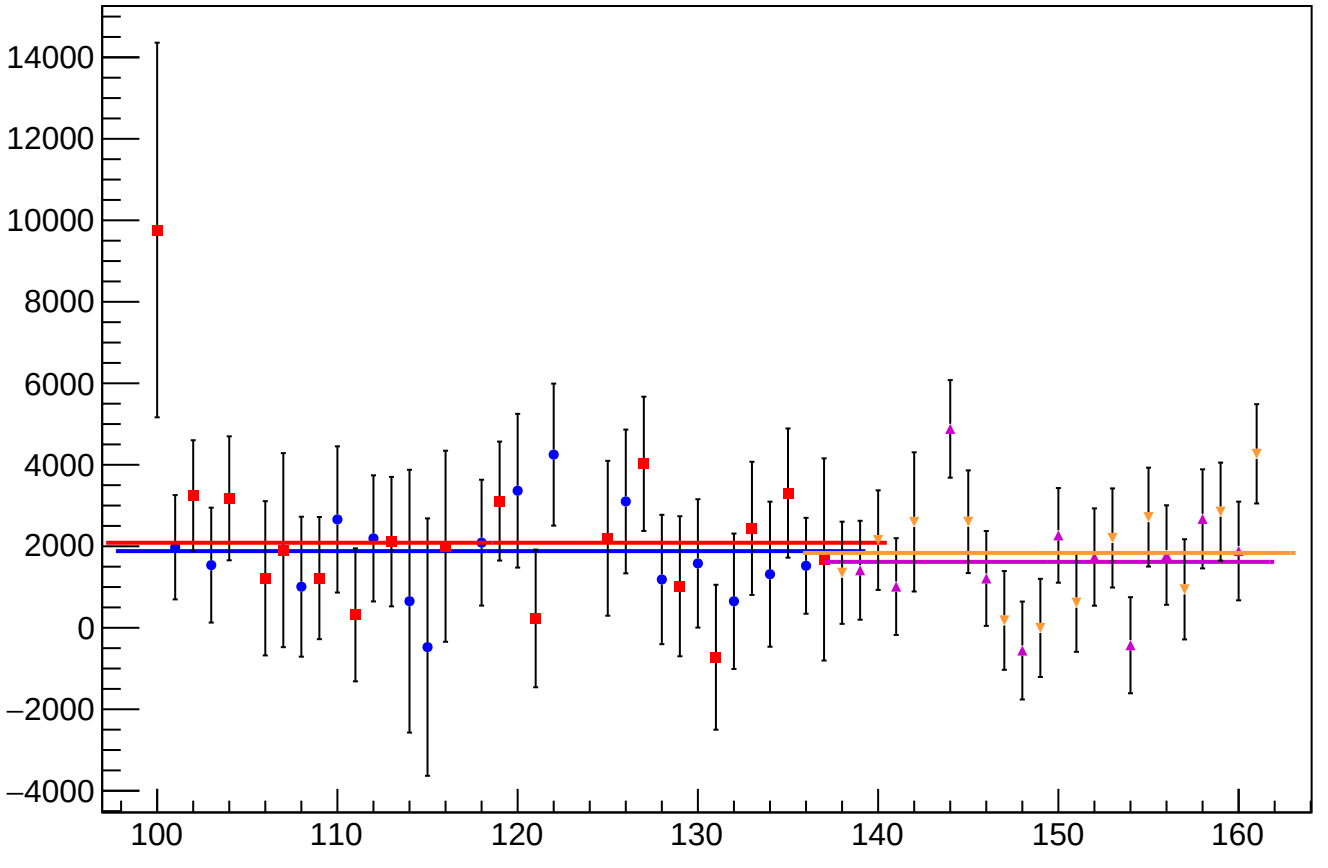
Left: 1448.850+/-0.239 χ^2/NDF: 1066874.6/22

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

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

Out: 1081.197+/-0.198 χ^2/NDF:3745418.4/29

All: 1081.319+/-0.140 χ^2/NDF: 7153113.0/56



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

Left Out: 1837.473+/-360.010 χ^2/NDF:11.8/11

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1617.856+/-360.225 χ^2/NDF:15.3/10

Left: 1727.730+/-254.642 χ^2/NDF: 27.3/22

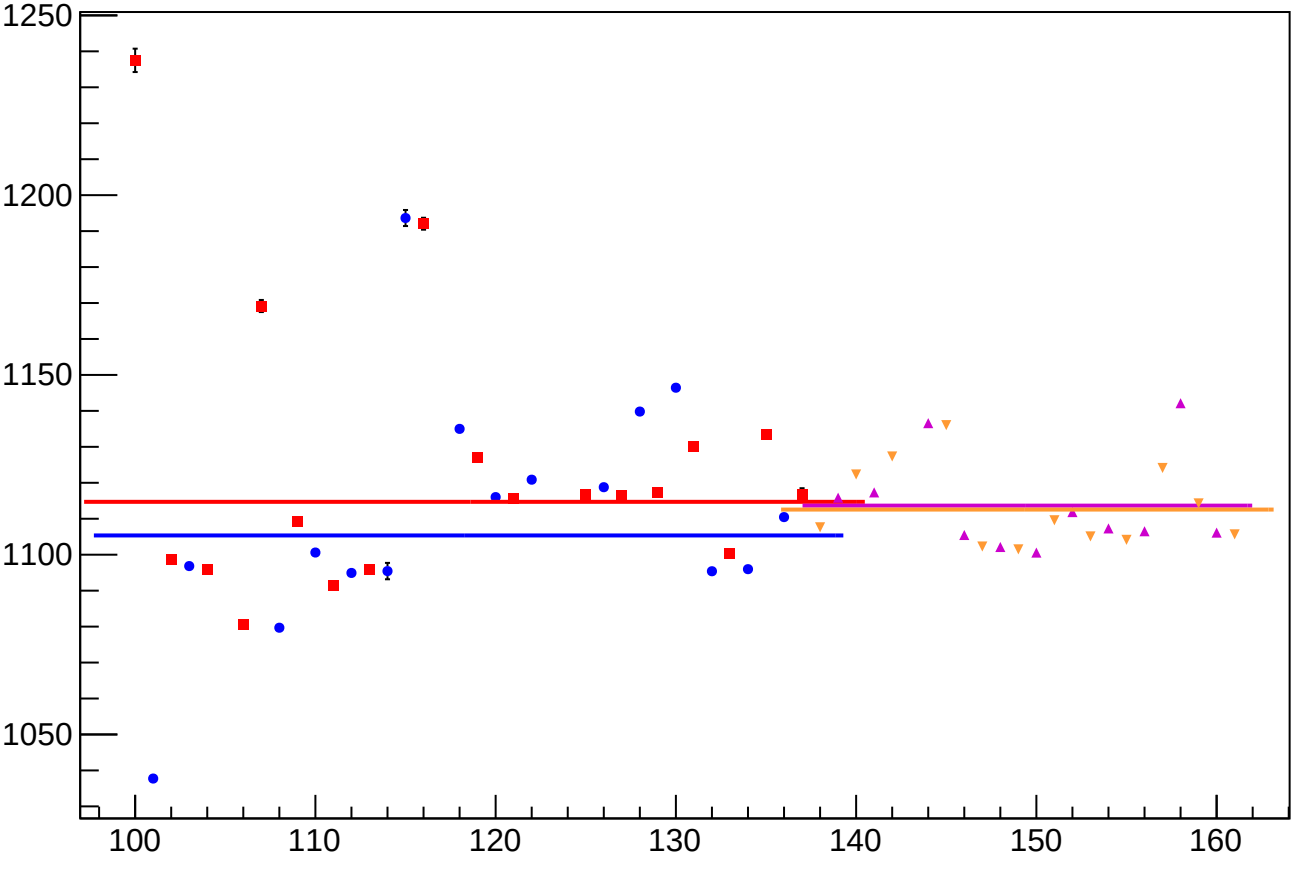
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1945.821+/-270.748 χ^2/NDF:24.4/29

All: 1839.187+/-191.471 χ^2/NDF: 45.4/56

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1112.552+/-0.255 χ^2/NDF:1744.2/11

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1113.649+/-0.255 χ^2/NDF:2598.7/10

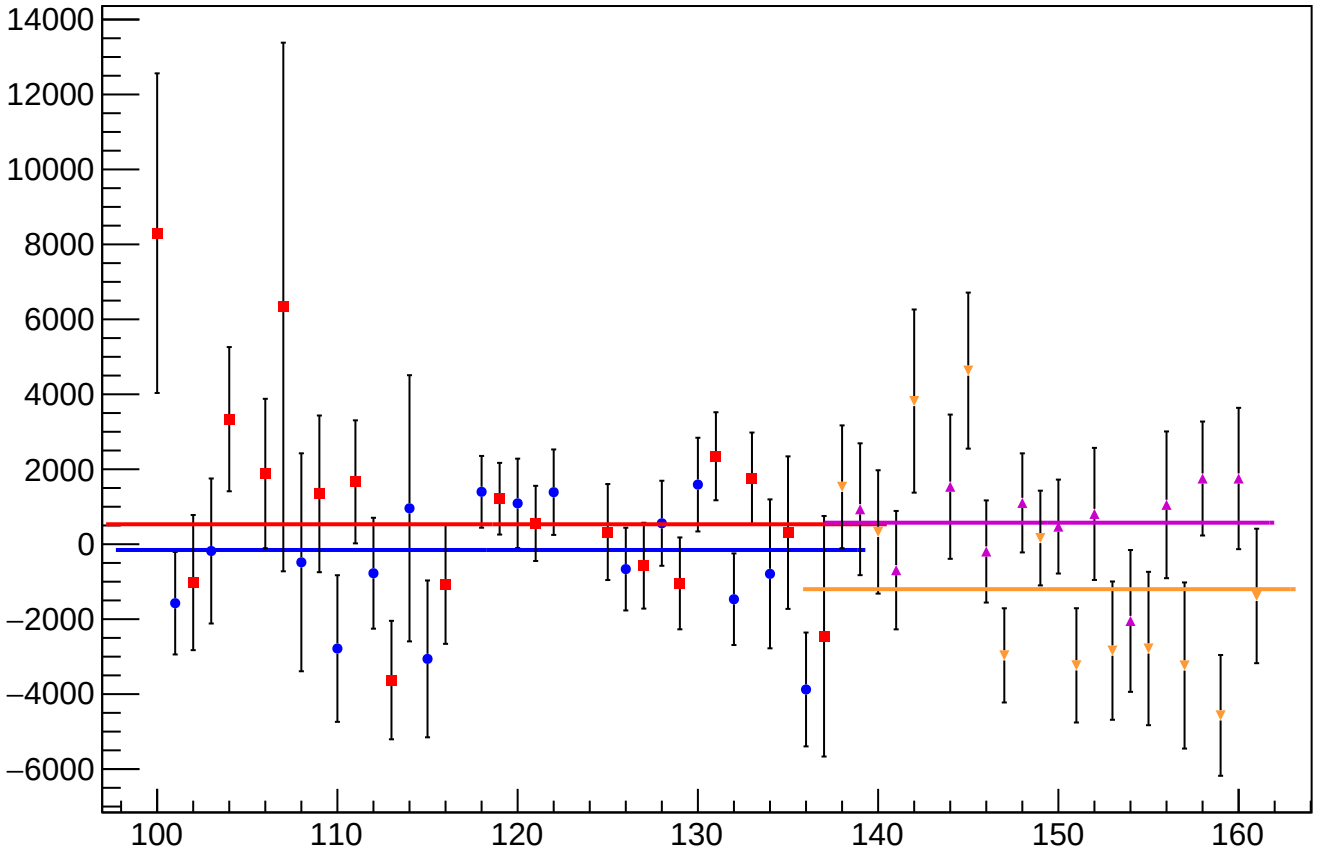
Left: 1113.100+/-0.180 χ^2/NDF: 4352.2/22

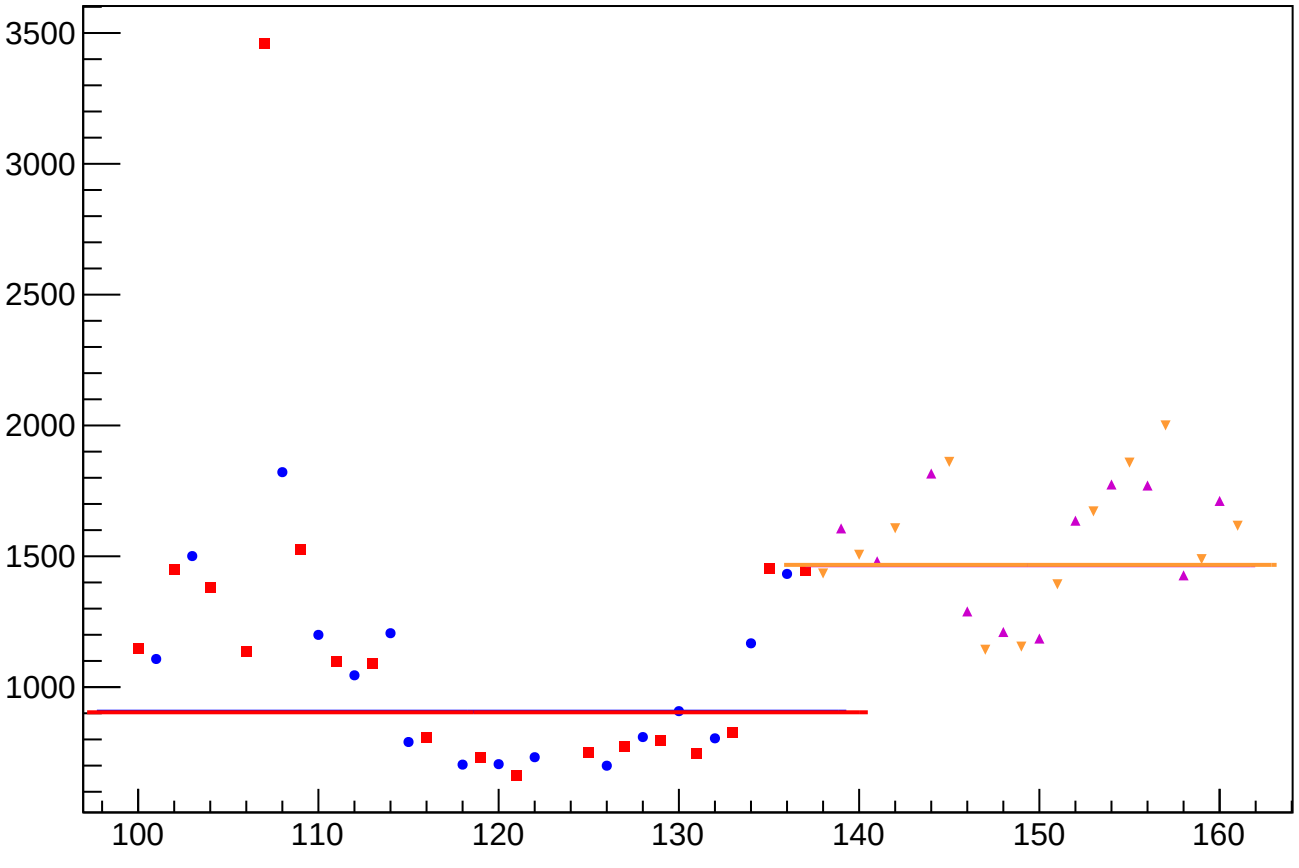
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

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

Out: 1113.487+/-0.191 χ^2/NDF:9105.6/29

All: 1111.765+/-0.135 χ^2/NDF: 23657.9/56


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1199.550+/-484.461 χ²/NDF:27.2/11
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 574.169+/-481.253 χ²/NDF:4.4/10
Left: -306.799+/-341.426 χ²/NDF: 38.4/22
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 99.145+/-283.754 χ²/NDF:26.4/26
Out: -62.628+/-283.923 χ²/NDF:58.8/29
All: 18.307+/-200.704 χ²/NDF: 85.4/56



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

Left Out: 1467.206+/-0.343 χ^2/NDF:567601.8/11

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

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

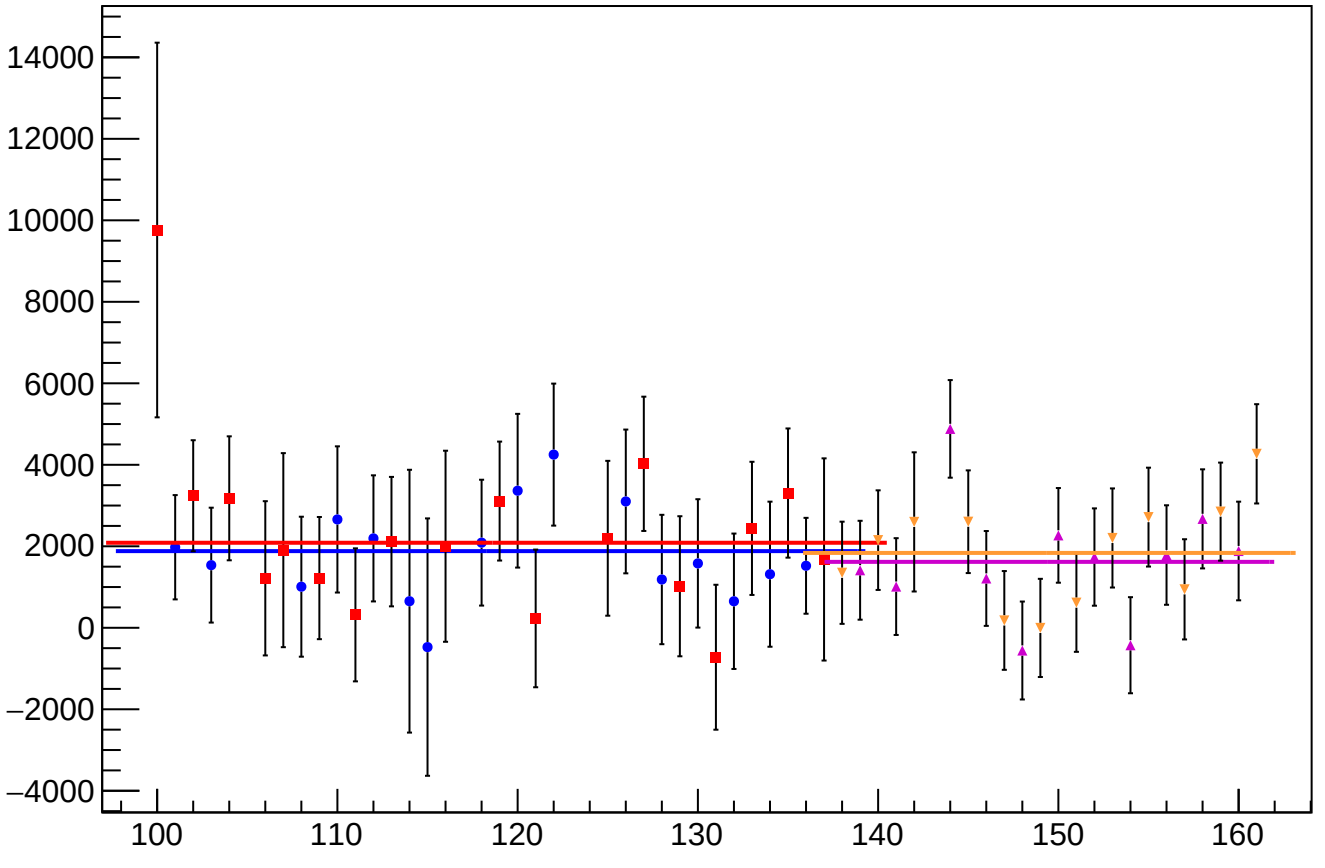
Left: 1466.488+/-0.241 χ^2/NDF: 1010555.9/22

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

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

Out: 1097.280+/-0.201 χ^2/NDF:3683750.4/29

All: 1098.955+/-0.142 χ^2/NDF: 6971273.7/56



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

Left Out: 1837.468+/-360.010 χ^2/NDF:11.8/11

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

Left In: 1617.858+/-360.225 χ^2/NDF:15.3/10

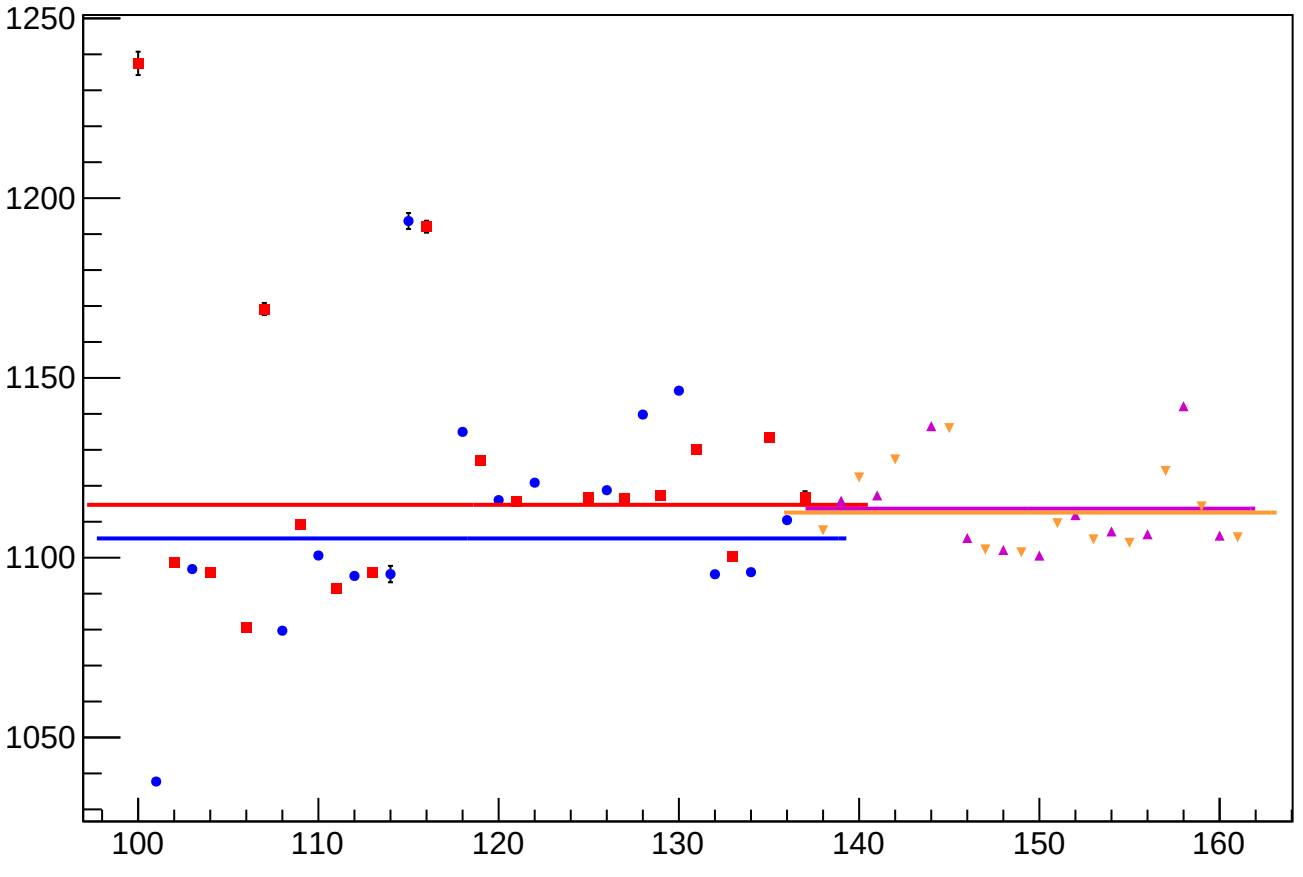
Left: 1727.728+/-254.642 χ^2/NDF: 27.3/22

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

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

Out: 1945.817+/-270.748 χ^2/NDF:24.4/29

All: 1839.186+/-191.471 χ^2/NDF: 45.4/56



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

Left Out: 1112.552+/-0.255 χ^2/NDF:1744.2/11

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

Left In: 1113.649+/-0.255 χ^2/NDF:2598.7/10

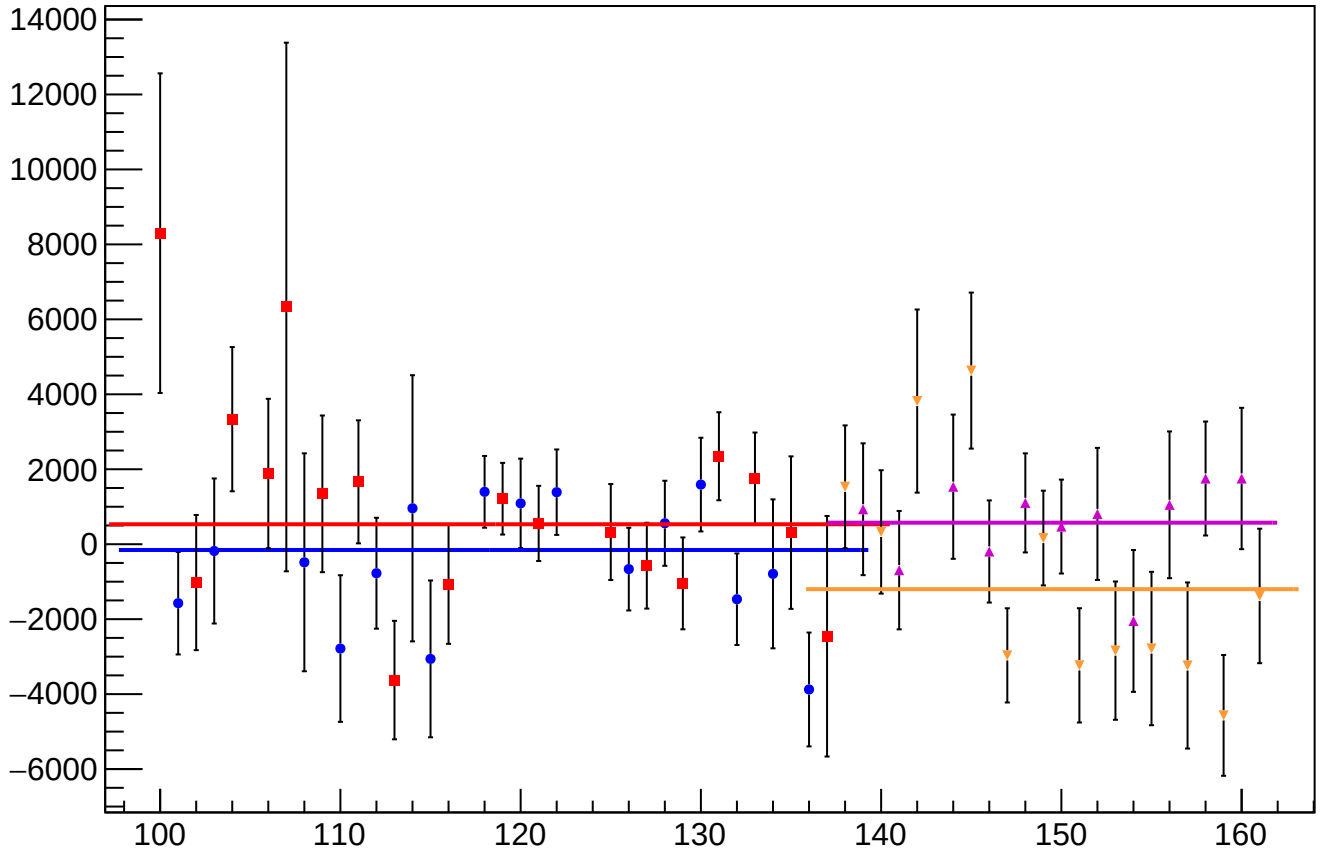
Left: 1113.100+/-0.180 χ^2/NDF: 4352.2/22

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

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

Out: 1113.487+/-0.191 χ^2/NDF:9105.5/29

All: 1111.765+/-0.135 χ^2/NDF: 23657.9/56



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

Left Out: -1199.556+/-484.462 χ^2/NDF:27.2/11

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

Left In: 574.172+/-481.254 χ^2/NDF:4.4/10

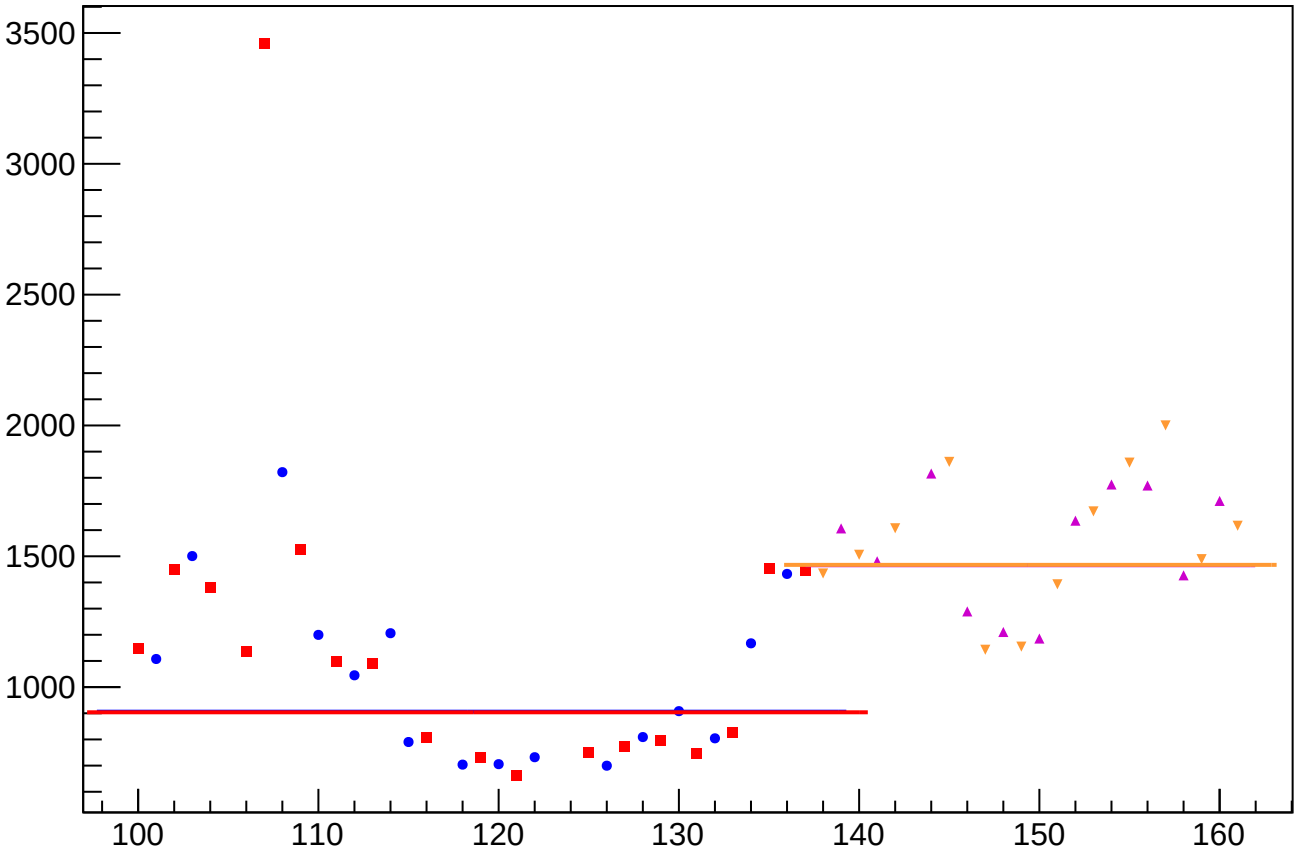
Left: -306.801+/-341.426 χ^2/NDF: 38.4/22

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

In: 99.146+/-283.754 χ^2/NDF:26.4/26

Out: -62.628+/-283.923 χ^2/NDF:58.8/29

All: 18.307+/-200.704 χ^2/NDF: 85.4/56



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

Left Out: 1467.208+/-0.343 χ^2/NDF:567599.1/11

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

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

Left: 1466.490+/-0.241 χ^2/NDF: 1010550.4/22

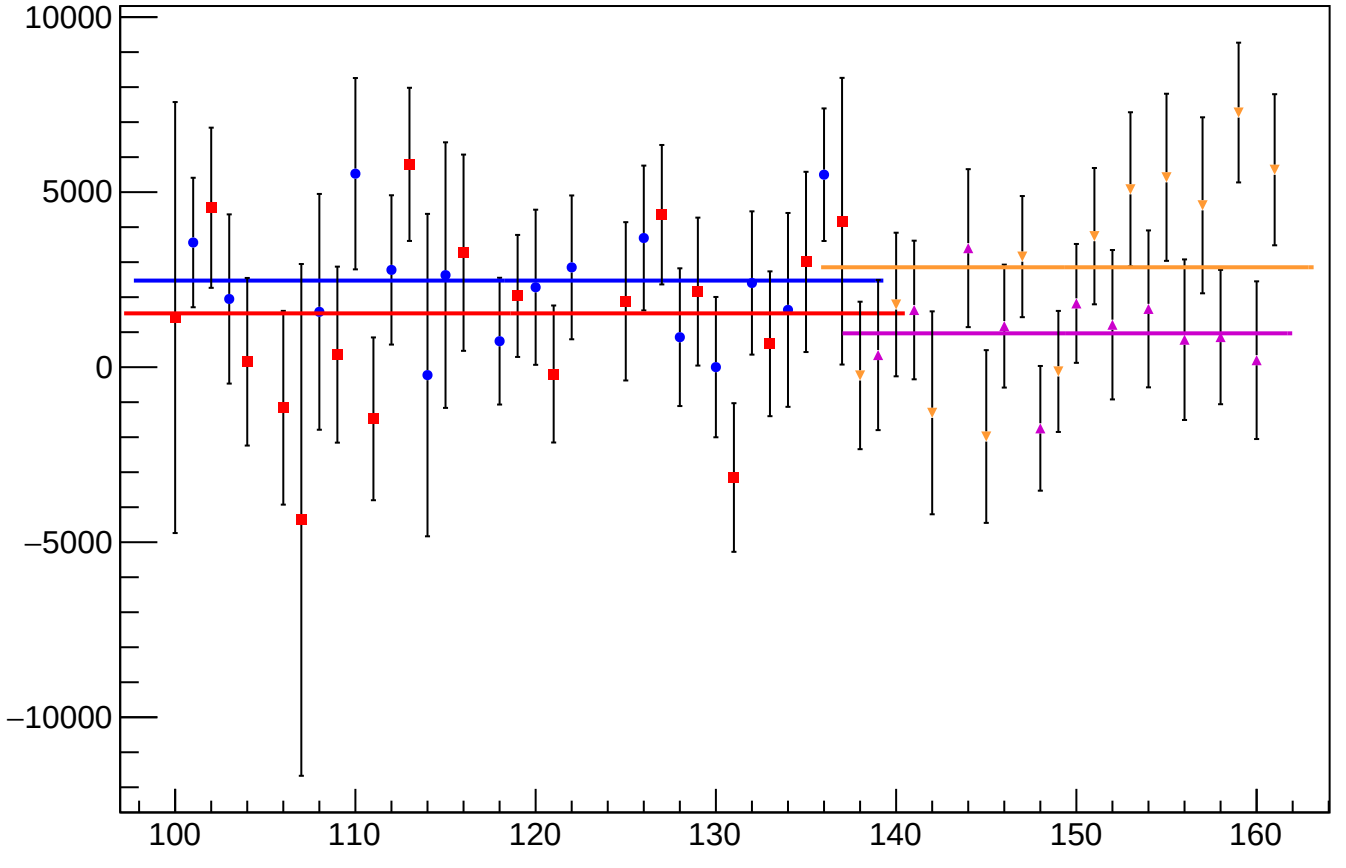
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

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

Out: 1097.279+/-0.201 χ^2/NDF:3683777.4/29

All: 1098.954+/-0.142 χ^2/NDF: 6971327.4/56

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2854.307+/-610.333 χ^2/NDF:20.8/11

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 967.134+/-604.931 χ^2/NDF:4.2/10

Left: 1902.333+/-429.648 χ^2/NDF: 29.8/22

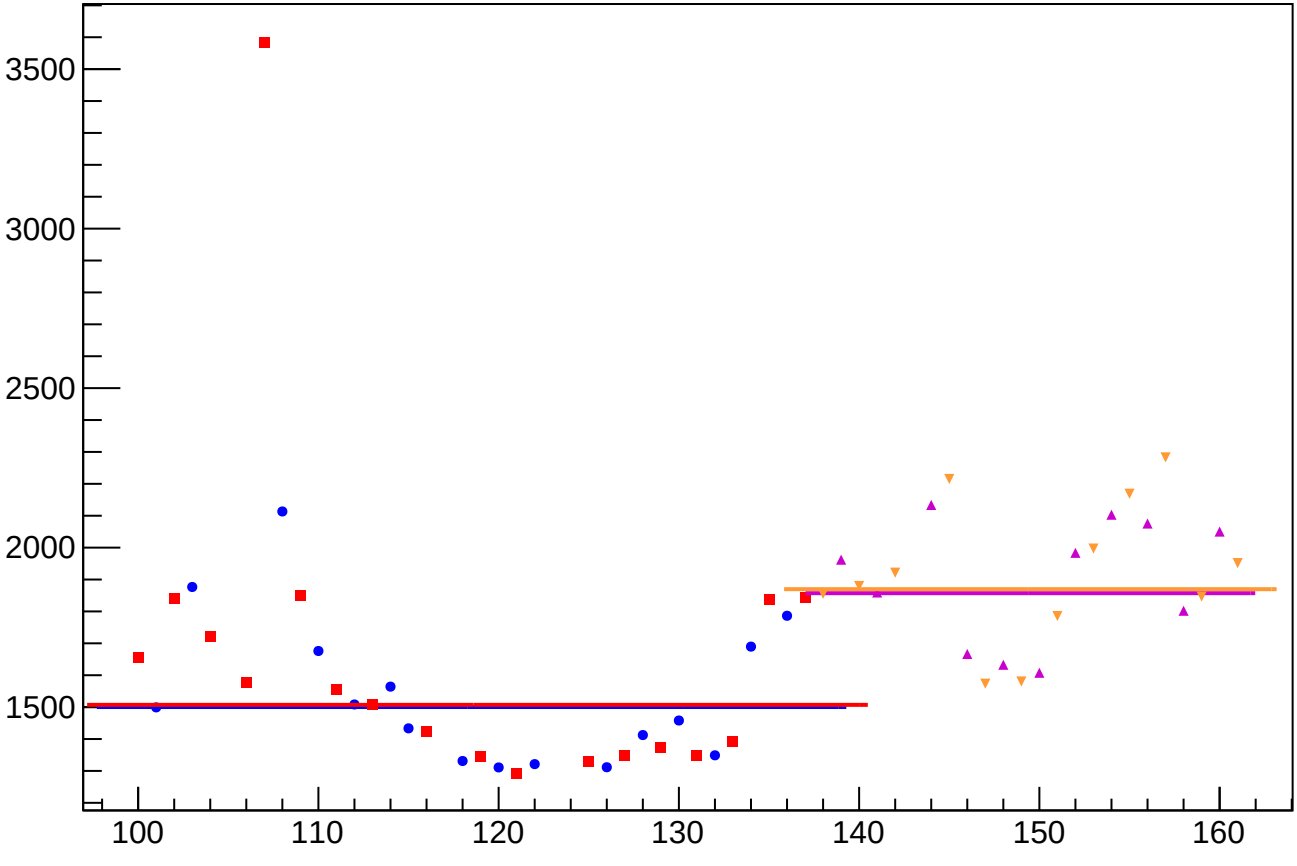
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

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

Out: 2143.481+/-414.045 χ^2/NDF:41.8/29

All: 1958.301+/-292.065 χ^2/NDF: 57.9/56

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1869.749+/-0.432 χ^2/NDF:253641.1/11

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

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

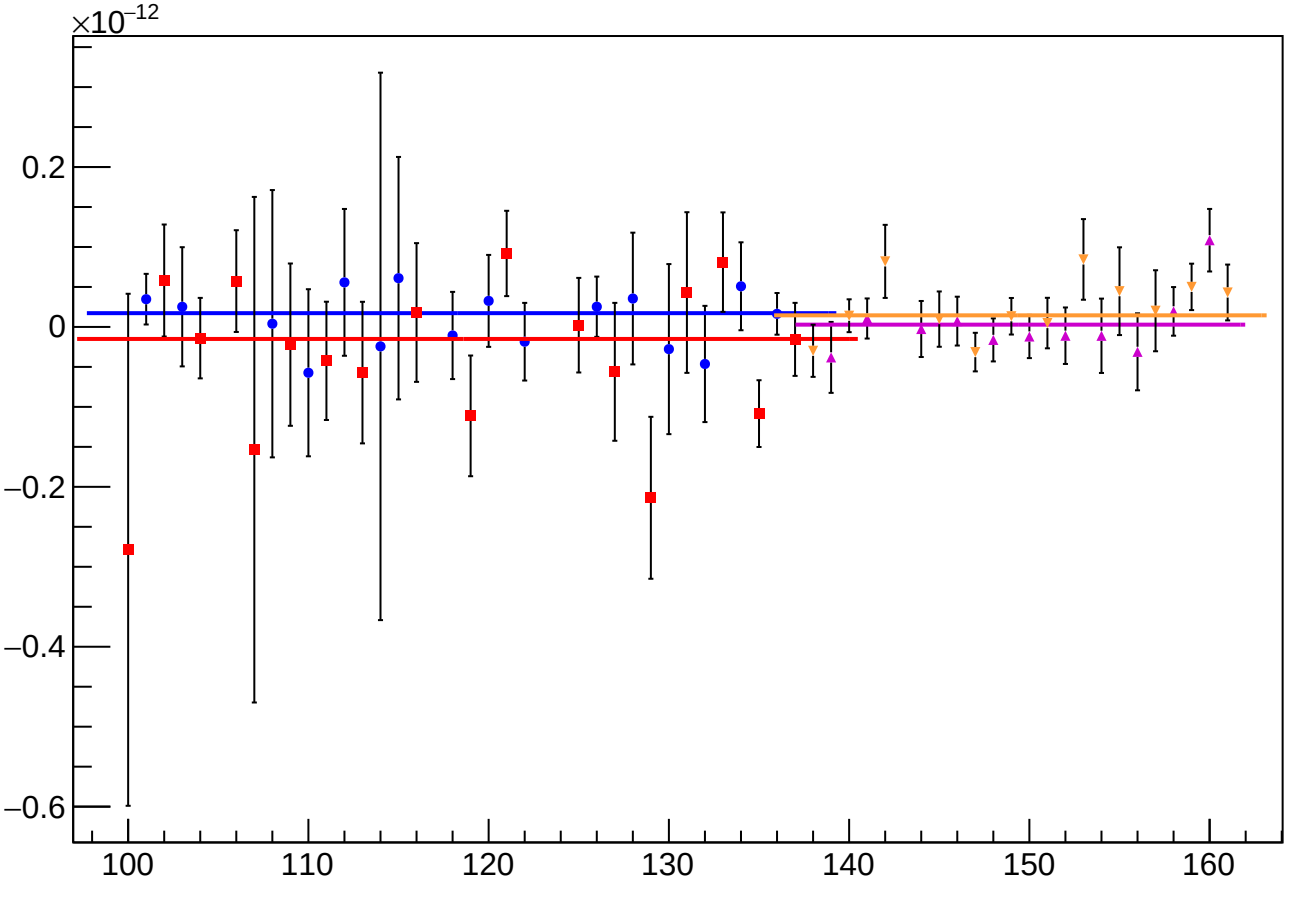
Left: 1863.437+/-0.304 χ^2/NDF: 452973.3/22

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

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

Out: 1673.996+/-0.293 χ^2/NDF:1036017.9/29

All: 1669.952+/-0.207 χ^2/NDF: 1867181.1/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/11

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

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

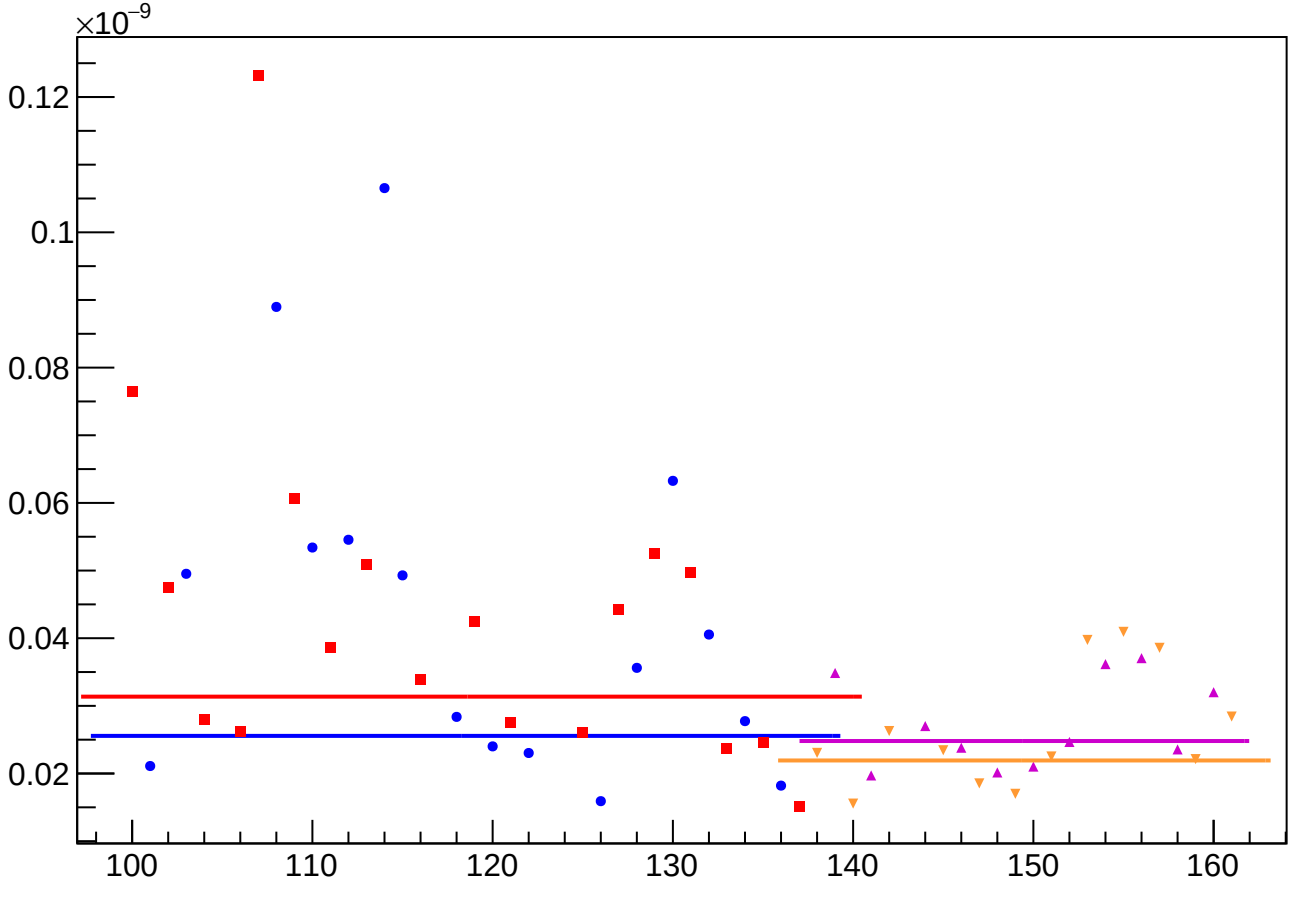
Left: 0.000+/-0.000 χ^2/NDF: 23.1/22

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:14.2/26

Out: 0.000+/-0.000 χ^2/NDF:36.0/29

All: 0.000+/-0.000 χ^2/NDF: 50.3/56



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

Left Out: 0.000+/-0.000 χ^2/NDF:1124864.6/11

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

Left In: 0.000+/-0.000 χ^2/NDF:614254.2/10

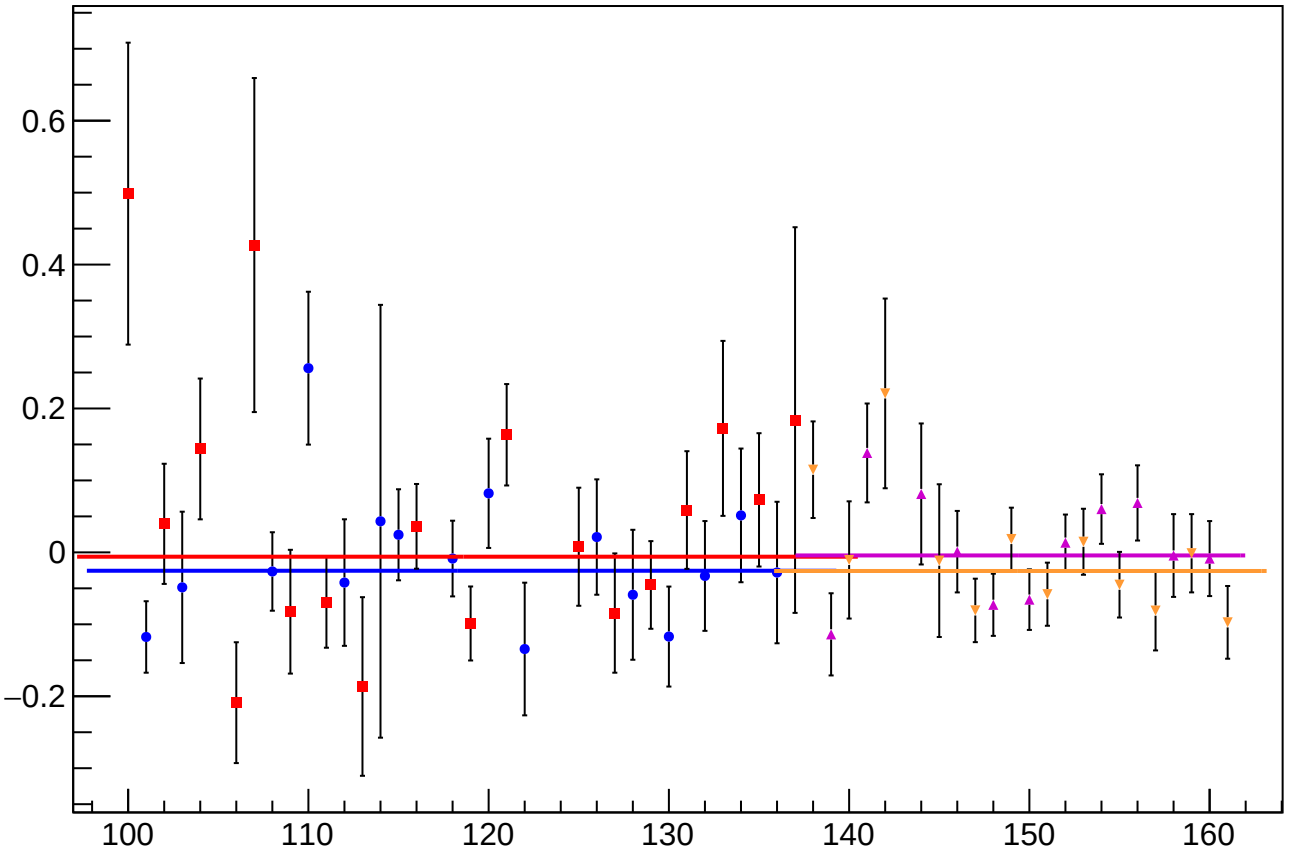
Left: 0.000+/-0.000 χ^2/NDF: 1831333.1/22

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

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

Out: 0.000+/-0.000 χ^2/NDF:2876843.6/29

All: 0.000+/-0.000 χ^2/NDF: 5215829.4/56



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.016 χ^2/NDF:17.3/10

Left: -0.015+/-0.011 χ^2/NDF: 33.5/22

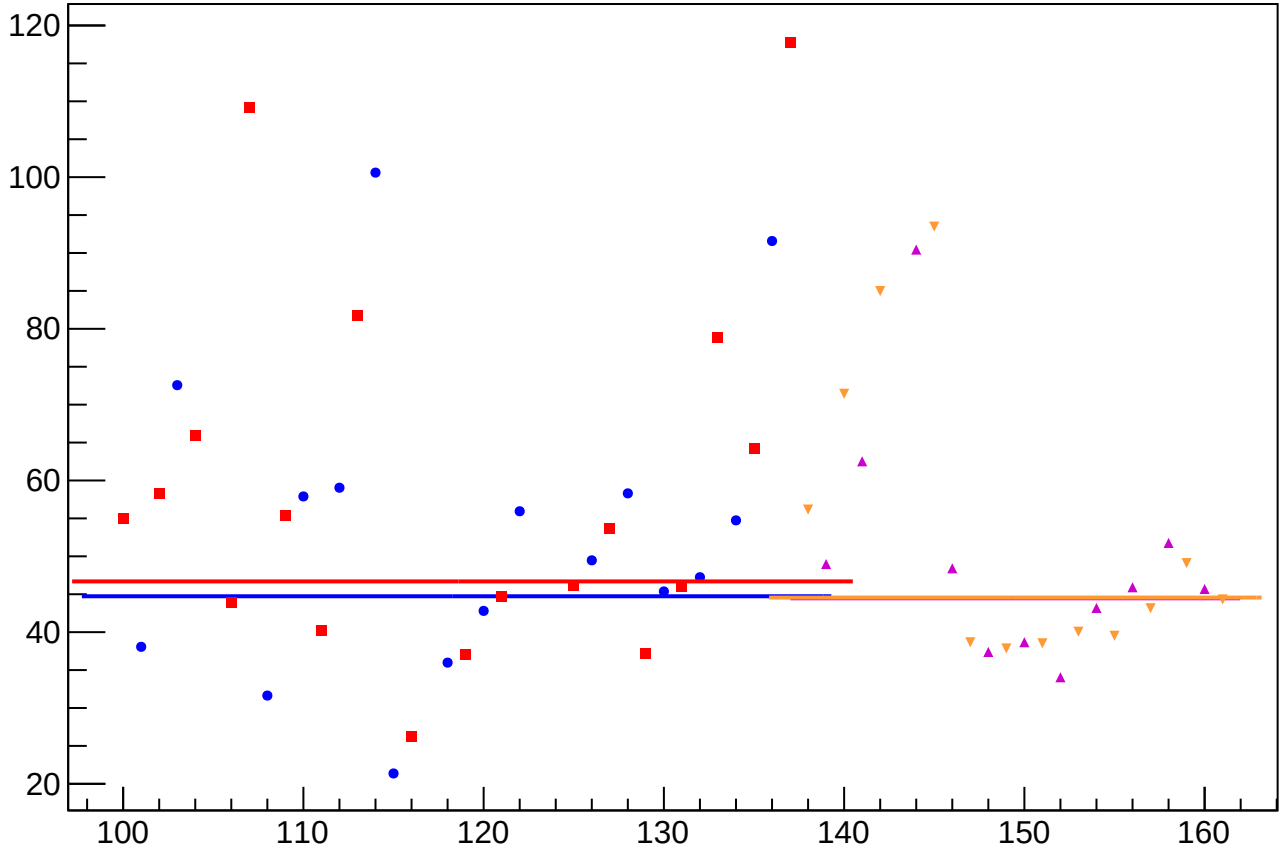
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.018+/-0.012 χ^2/NDF:52.4/29

All: -0.015+/-0.009 χ^2/NDF: 88.2/56

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 44.562+/-0.011 χ^2/NDF:1069820.8/11

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

Left In: 44.464+/-0.011 χ^2/NDF:870649.5/10

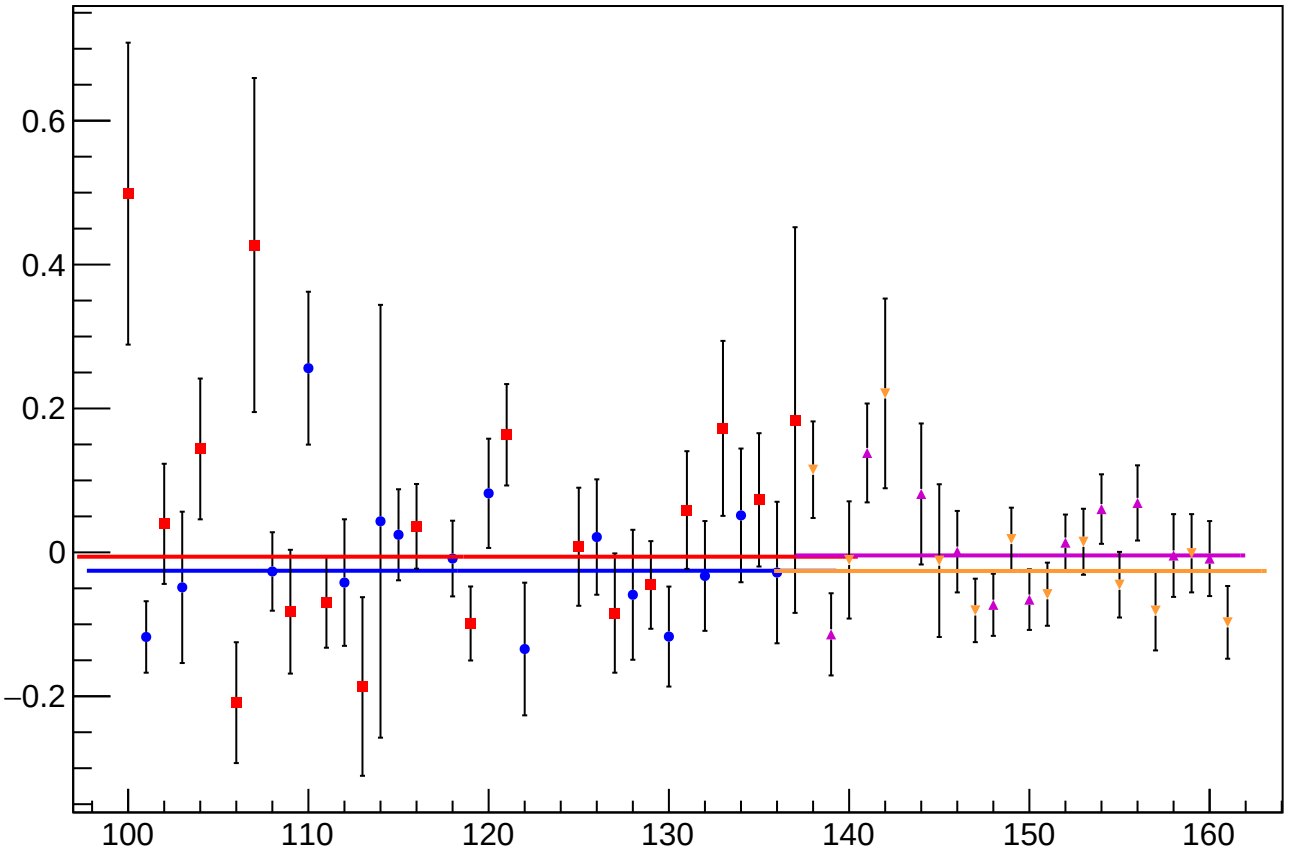
Left: 44.512+/-0.008 χ^2/NDF: 1940510.1/22

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

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

Out: 45.401+/-0.009 χ^2/NDF:2279889.2/29

All: 44.979+/-0.006 χ^2/NDF: 4490029.0/56



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.016 χ^2/NDF:17.3/10

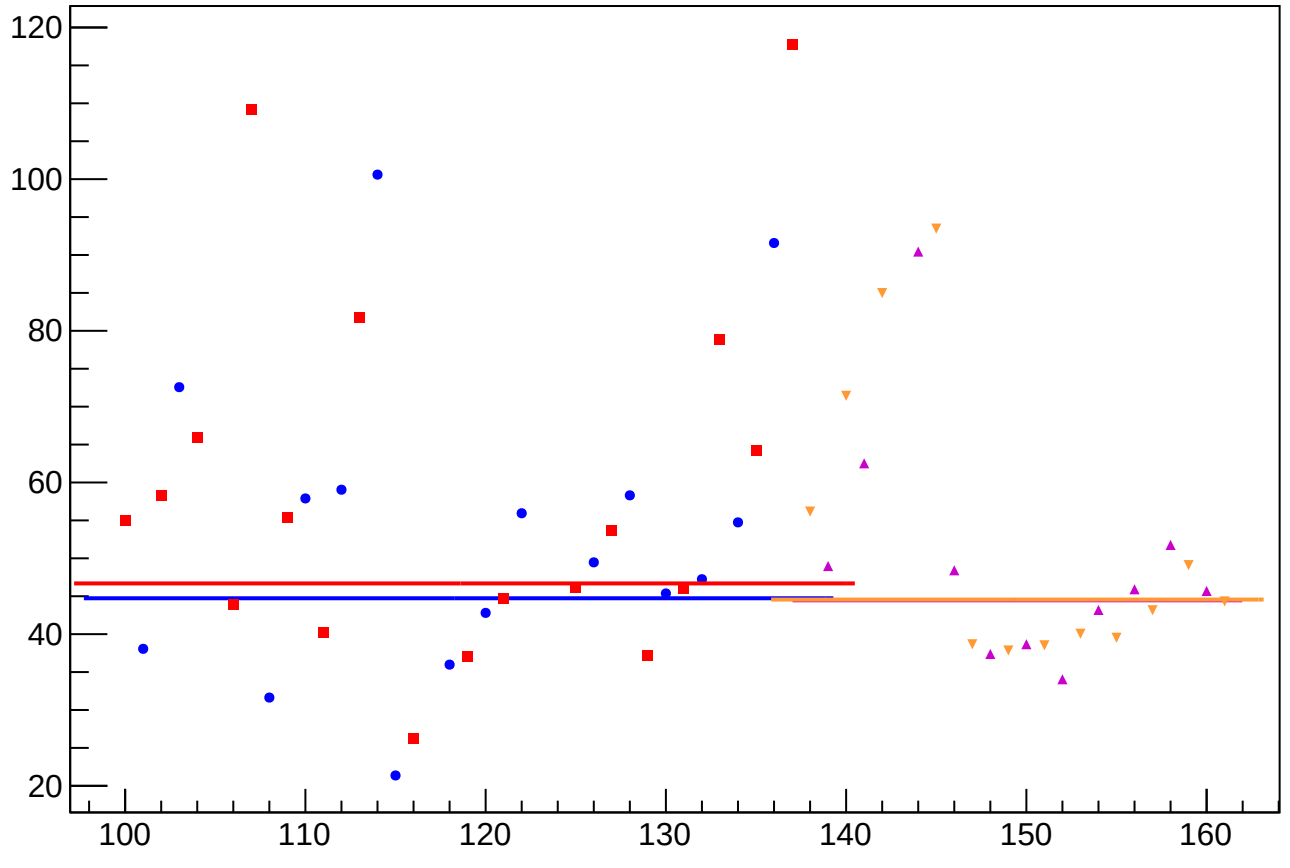
Left: -0.015+/-0.011 χ^2/NDF: 33.5/22

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

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.018+/-0.012 χ^2/NDF:52.4/29

All: -0.015+/-0.009 χ^2/NDF: 88.2/56



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

Left Out: 44.562+/-0.011 χ^2/NDF:1069820.8/11

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

Left In: 44.464+/-0.011 χ^2/NDF:870649.5/10

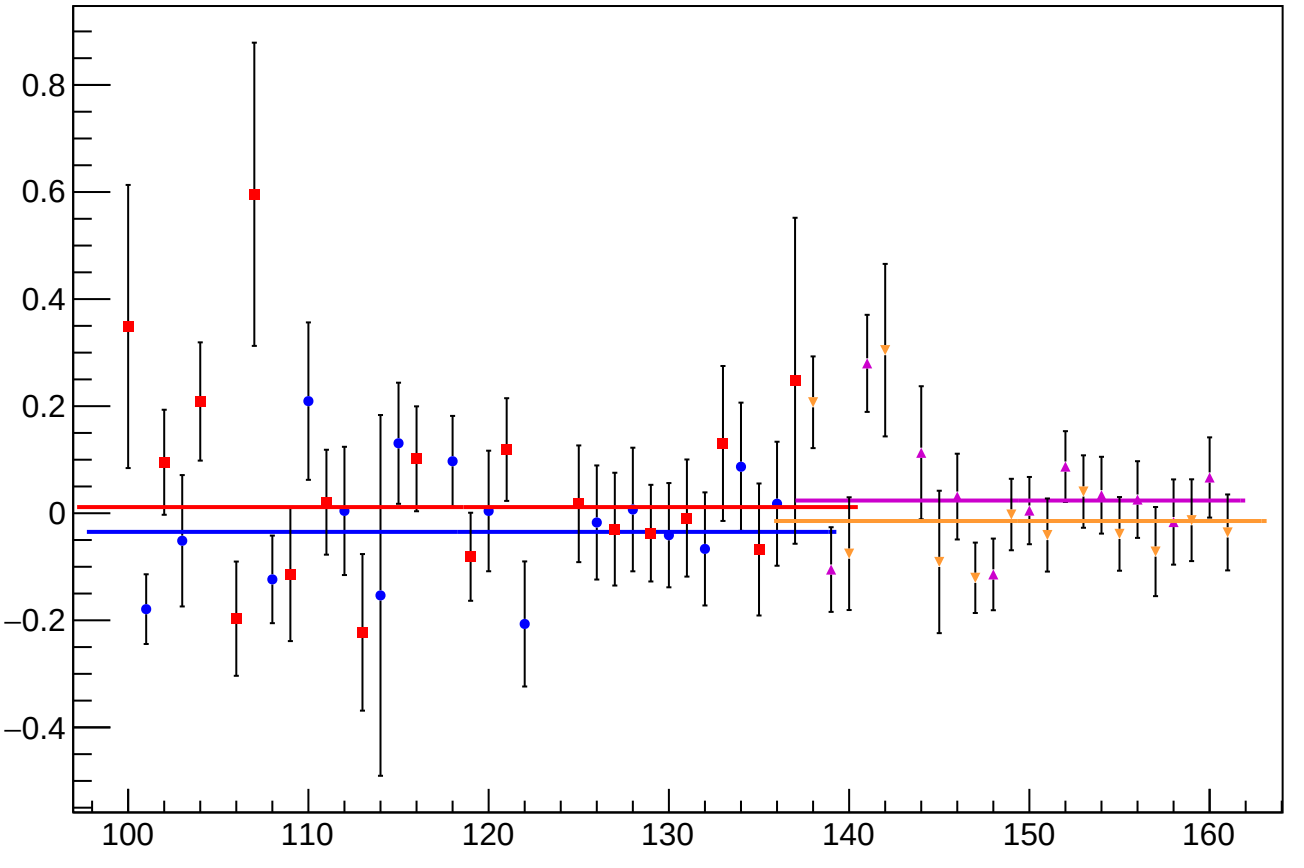
Left: 44.512+/-0.008 χ^2/NDF: 1940510.1/22

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

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

Out: 45.401+/-0.009 χ^2/NDF:2279889.2/29

All: 44.979+/-0.006 χ^2/NDF: 4490029.0/56



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.015+/-0.023 χ^2/NDF:15.4/11

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.024+/-0.023 χ^2/NDF:17.0/10

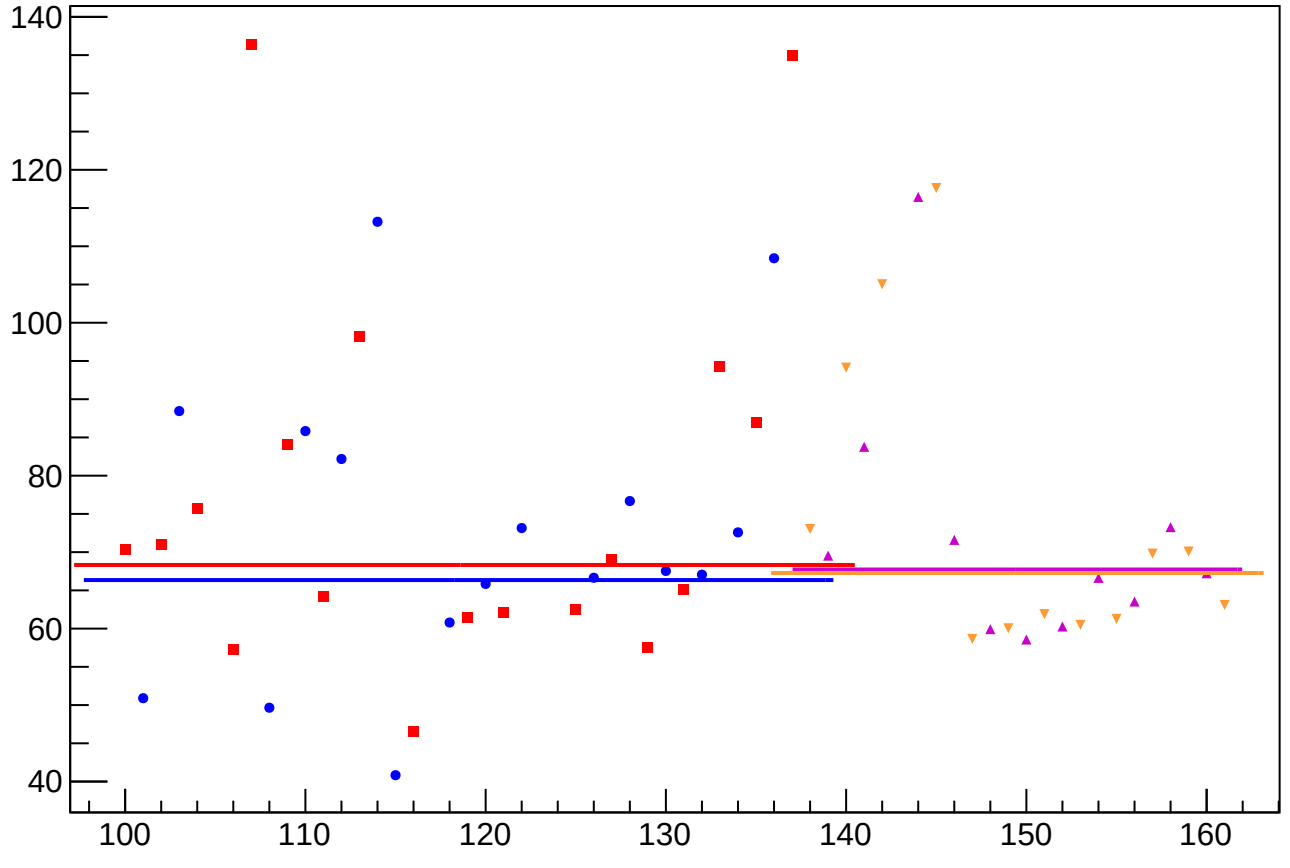
Left: 0.005+/-0.016 χ^2/NDF: 33.9/22

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

In: -0.001+/-0.017 χ^2/NDF:37.3/26

Out: -0.004+/-0.017 χ^2/NDF:38.7/29

All: -0.003+/-0.012 χ^2/NDF: 76.1/56



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.272+/-0.016 χ^2/NDF:652635.3/11

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.727+/-0.016 χ^2/NDF:487825.6/10

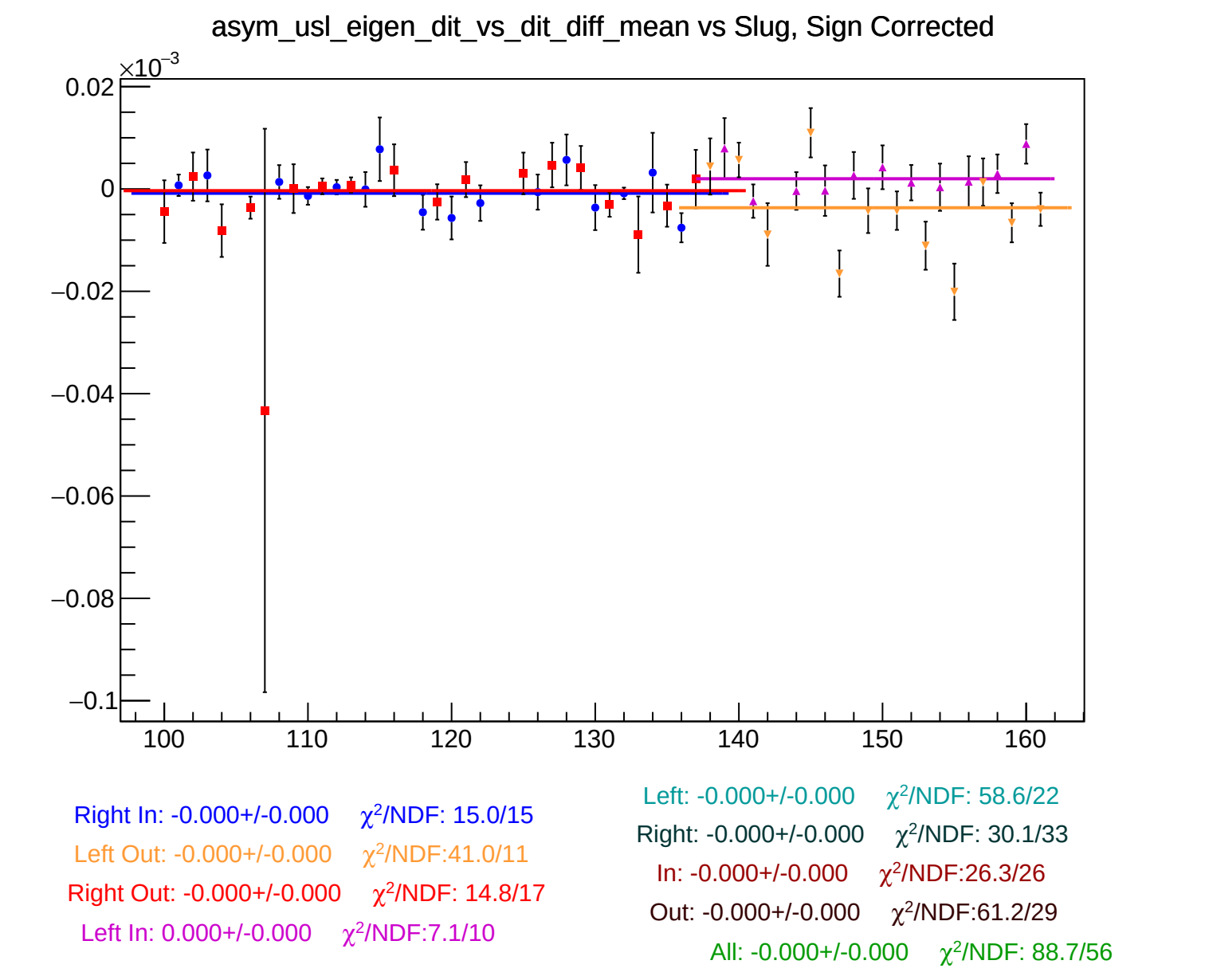
Left: 67.499+/-0.011 χ^2/NDF: 1140862.7/22

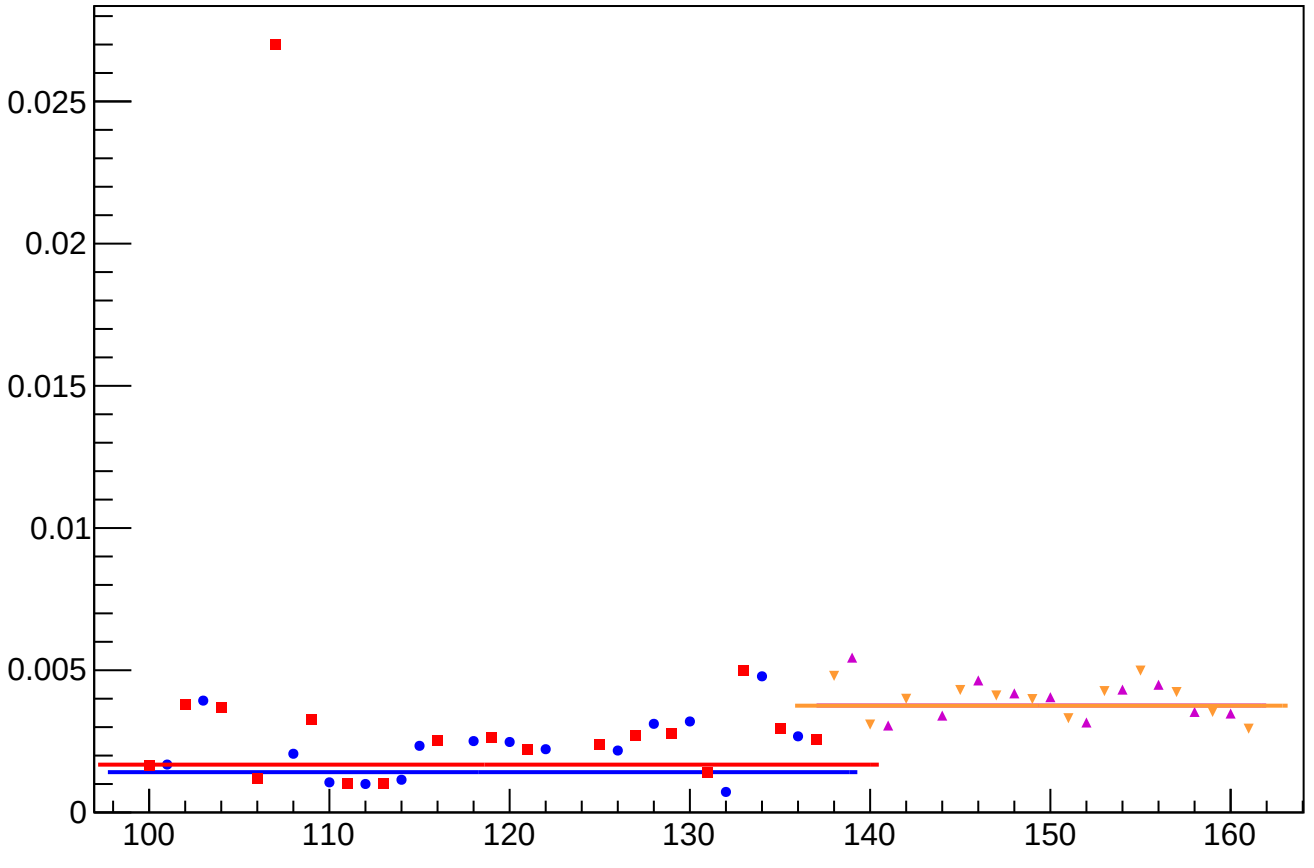
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

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

Out: 67.709+/-0.012 χ^2/NDF:1284084.8/29

All: 67.420+/-0.009 χ^2/NDF: 2548810.6/56


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:41.0/11
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:7.1/10
Left: -0.000+/-0.000 χ²/NDF: 58.6/22
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:26.3/26
Out: -0.000+/-0.000 χ²/NDF:61.2/29
All: -0.000+/-0.000 χ²/NDF: 88.7/56



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:500712.6/11

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:513737.0/10

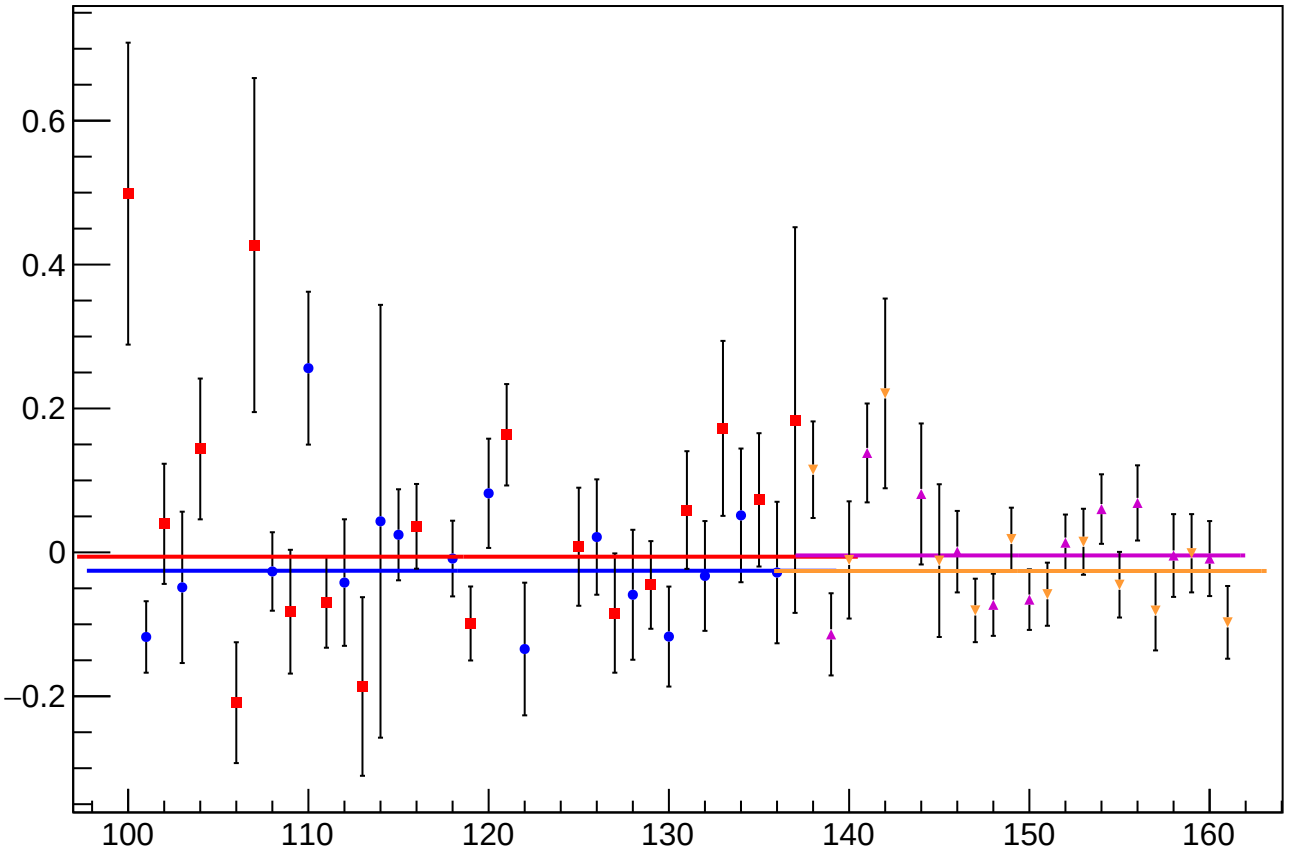
Left: 0.004+/-0.000 χ^2/NDF: 1014471.3/22

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

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

Out: 0.002+/-0.000 χ^2/NDF:8094685.0/29

All: 0.002+/-0.000 χ^2/NDF: 18175820.3/56



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.016 χ^2/NDF:17.3/10

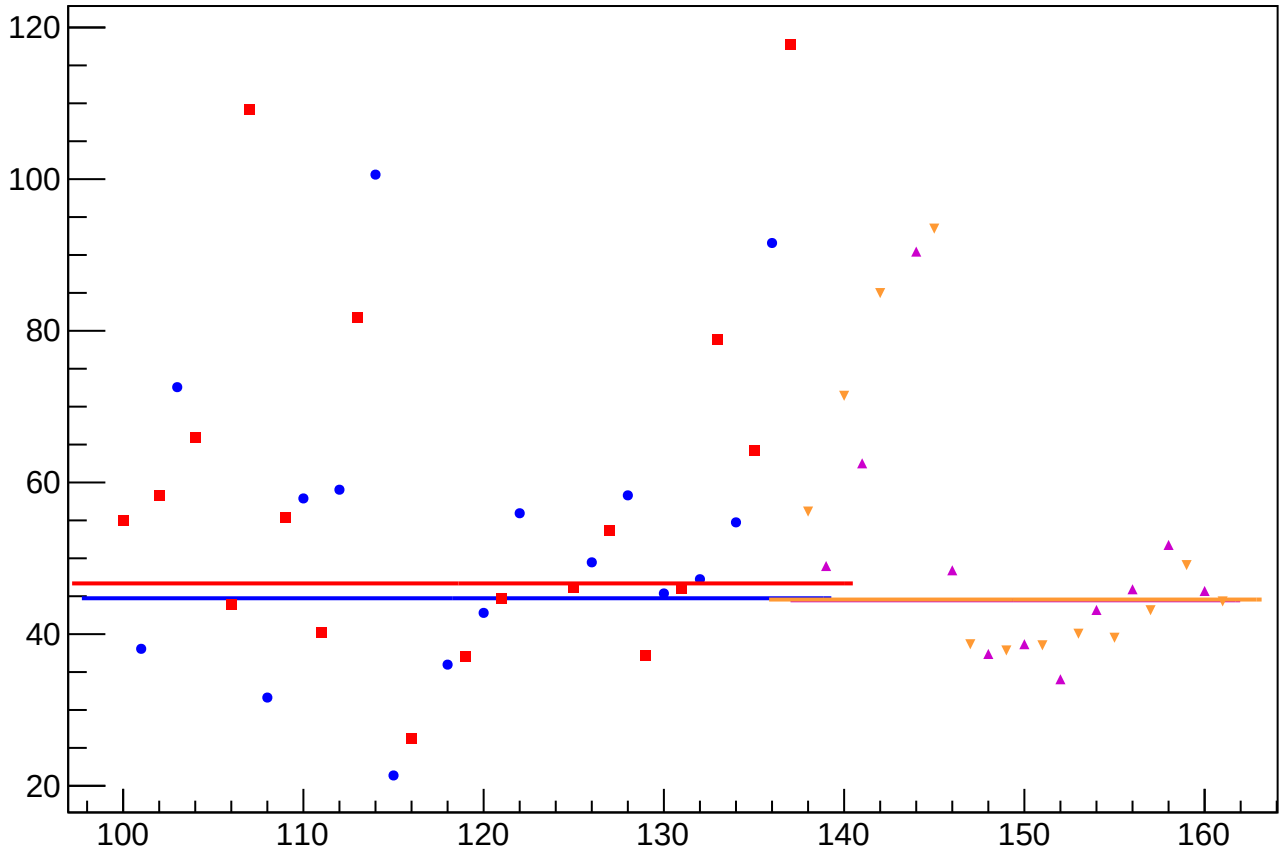
Left: -0.015+/-0.011 χ^2/NDF: 33.5/22

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

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.018+/-0.012 χ^2/NDF:52.4/29

All: -0.015+/-0.009 χ^2/NDF: 88.2/56



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.562+/-0.011 χ^2/NDF:1069781.0/11

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

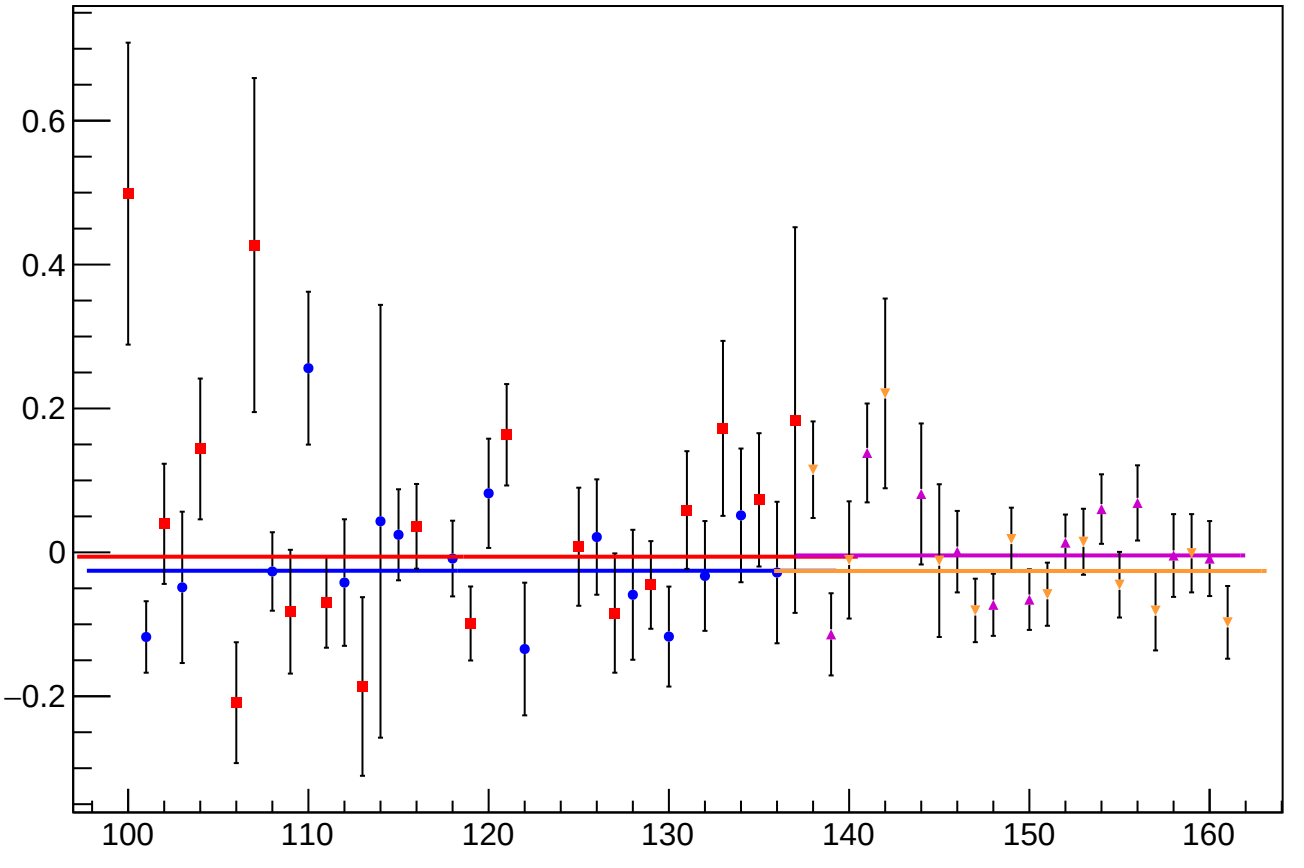
Left: 44.513+/-0.008 χ^2/NDF: 1940448.3/22

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

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

Out: 45.400+/-0.009 χ^2/NDF:2279871.7/29

All: 44.979+/-0.006 χ^2/NDF: 4490049.6/56



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.016 χ^2/NDF:17.3/10

Left: -0.015+/-0.011 χ^2/NDF: 33.5/22

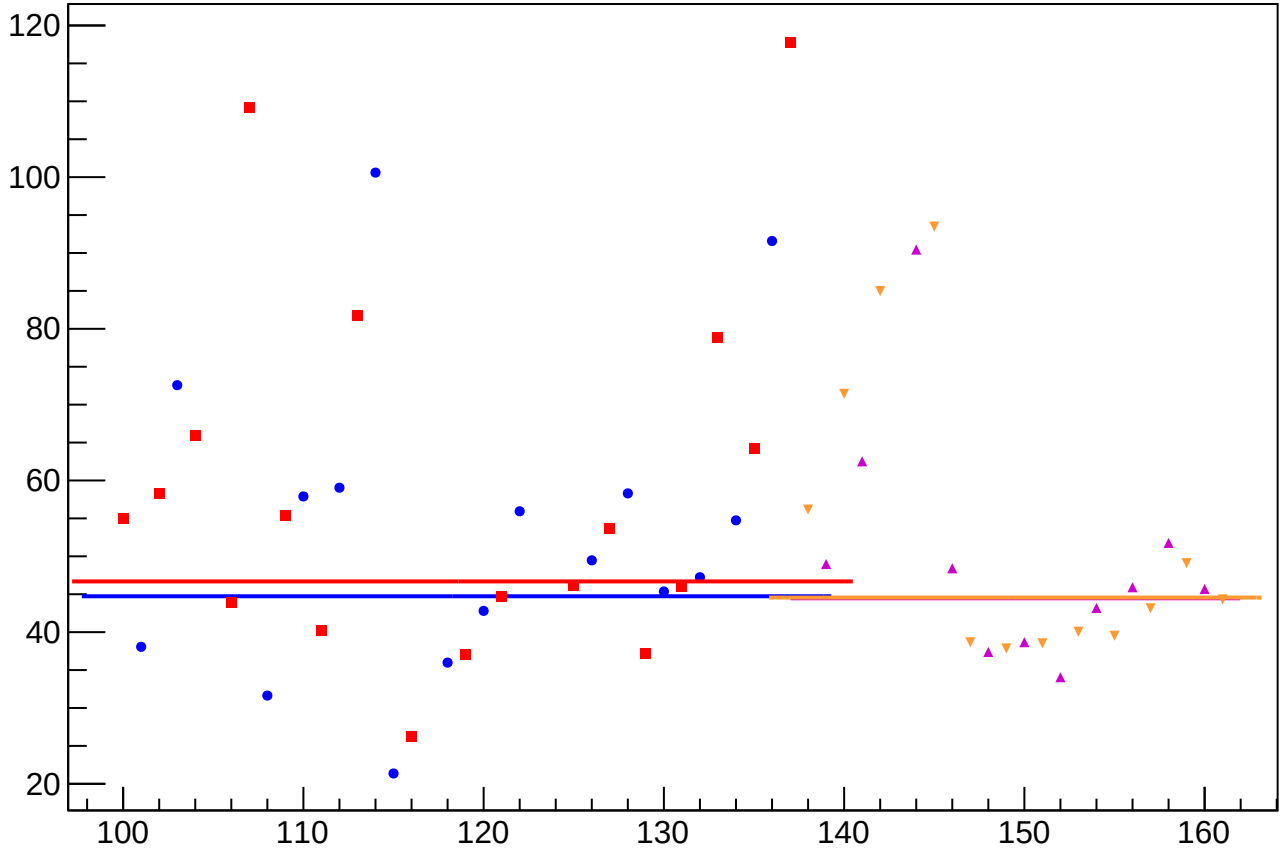
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/26

Out: -0.018+/-0.012 χ^2/NDF:52.4/29

All: -0.015+/-0.009 χ^2/NDF: 88.2/56

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.562+/-0.011 χ^2/NDF:1069781.0/11

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

Left: 44.513+/-0.008 χ^2/NDF: 1940448.3/22

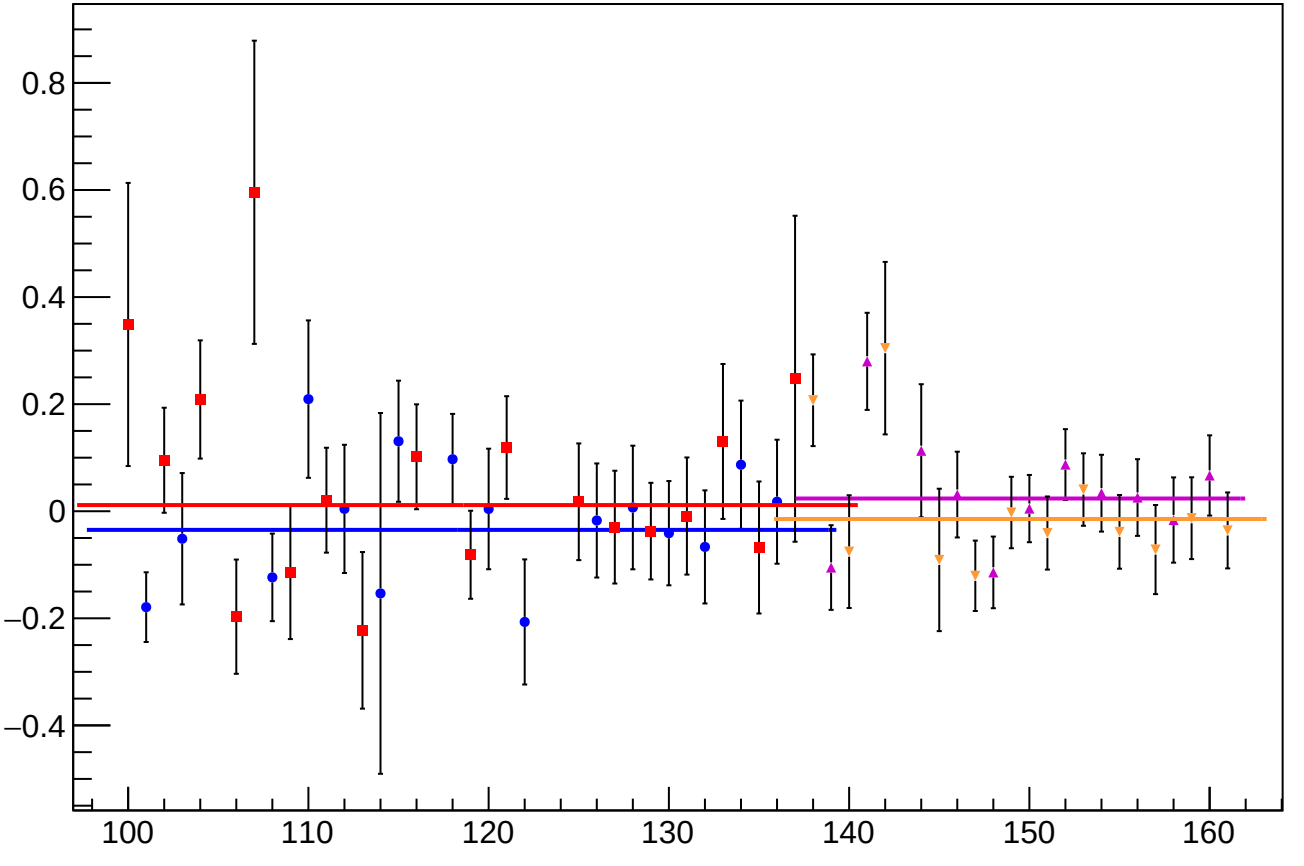
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

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

Out: 45.400+/-0.009 χ^2/NDF:2279871.7/29

All: 44.979+/-0.006 χ^2/NDF: 4490049.6/56

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: -0.015+/-0.023 χ^2/NDF:15.4/11

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.024+/-0.023 χ^2/NDF:17.0/10

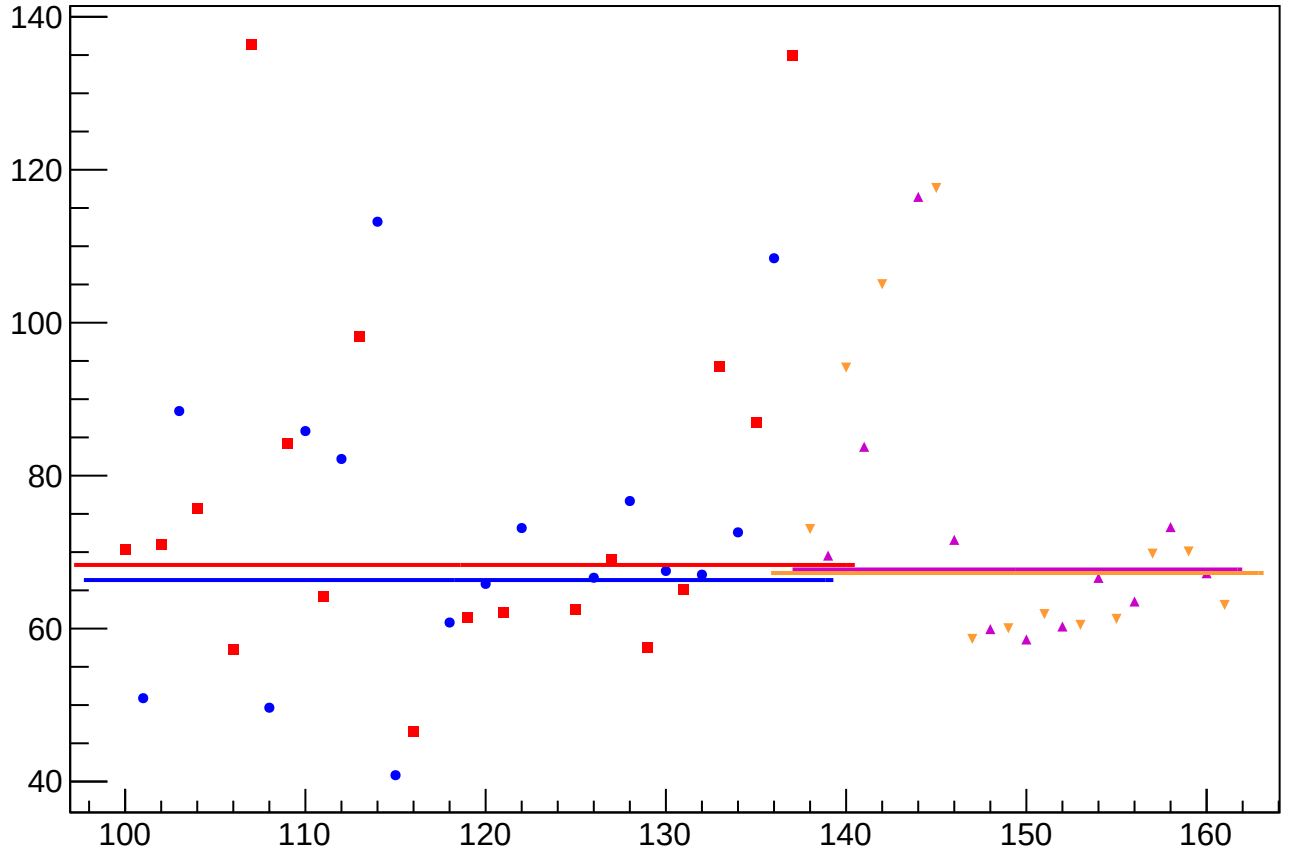
Left: 0.005+/-0.016 χ^2/NDF: 33.9/22

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

In: -0.001+/-0.017 χ^2/NDF:37.3/26

Out: -0.004+/-0.017 χ^2/NDF:38.7/29

All: -0.003+/-0.012 χ^2/NDF: 76.1/56



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.272+/-0.016 χ^2/NDF:652621.0/11

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.727+/-0.016 χ^2/NDF:487817.1/10

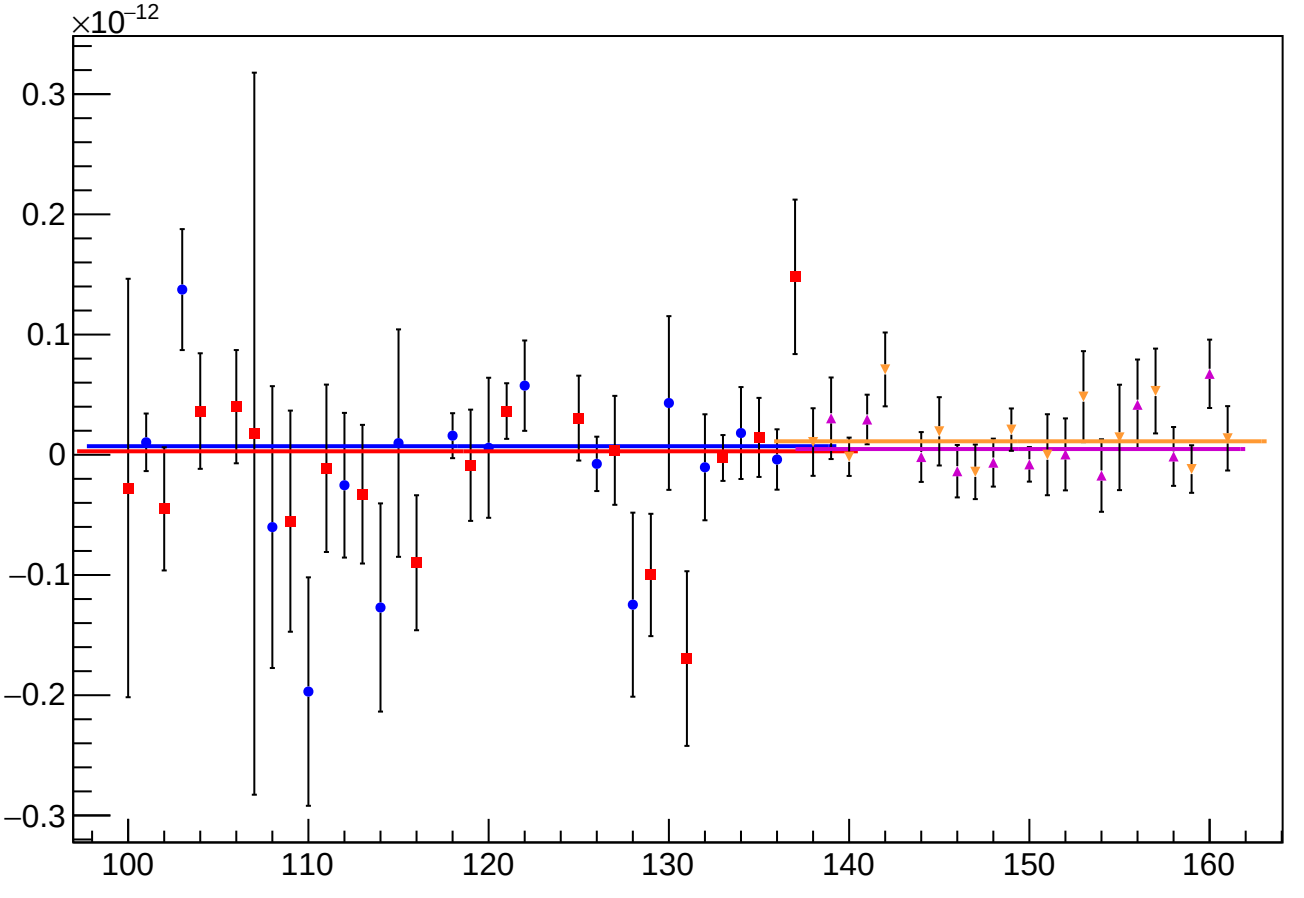
Left: 67.499+/-0.011 χ^2/NDF: 1140839.9/22

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

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

Out: 67.709+/-0.012 χ^2/NDF:1284063.2/29

All: 67.420+/-0.009 χ^2/NDF: 2548790.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/10

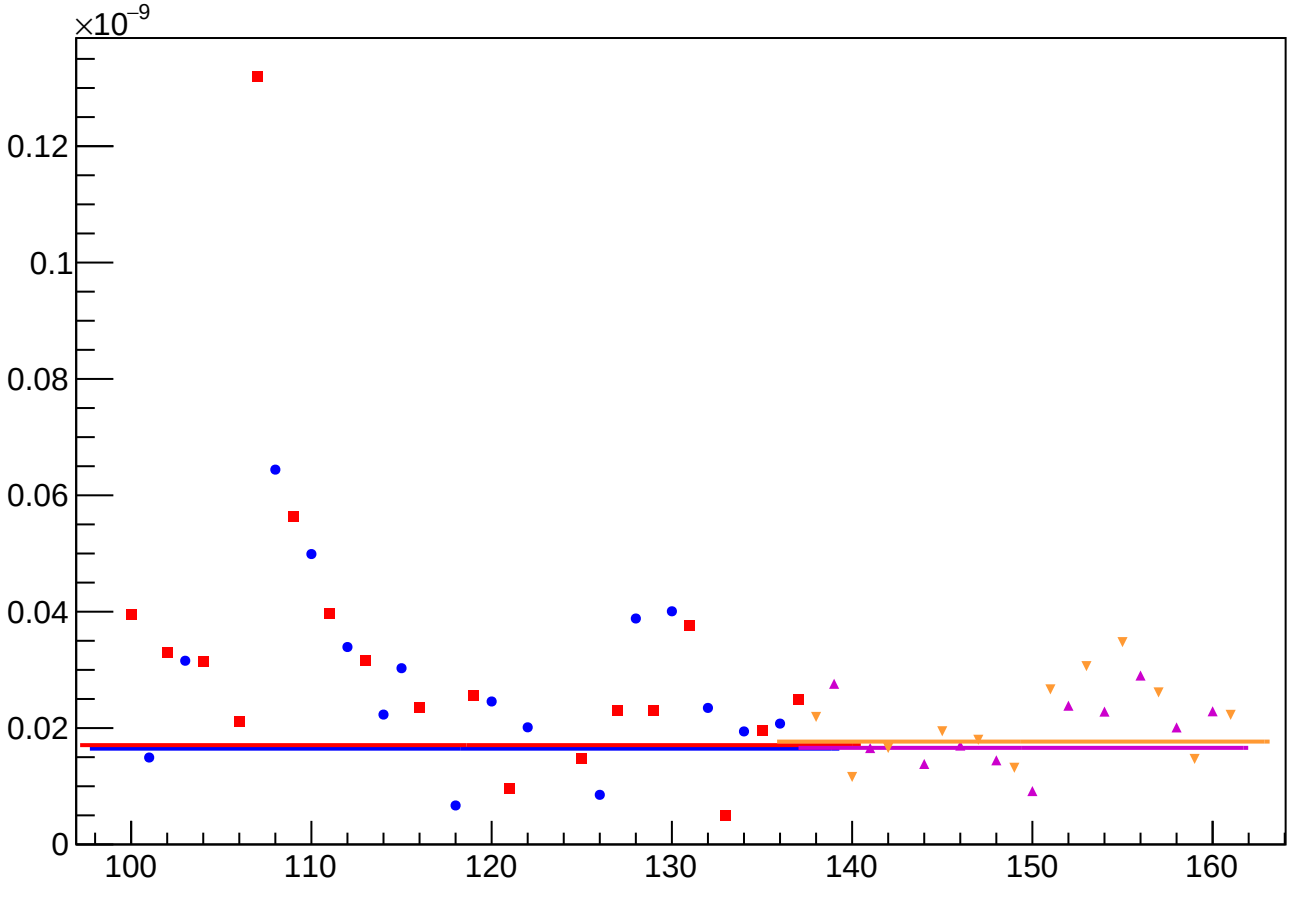
Left: 0.000+/-0.000 χ^2/NDF: 20.7/22

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:30.8/26

Out: 0.000+/-0.000 χ^2/NDF:33.8/29

All: 0.000+/-0.000 χ^2/NDF: 64.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1376864.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1362385.2/10

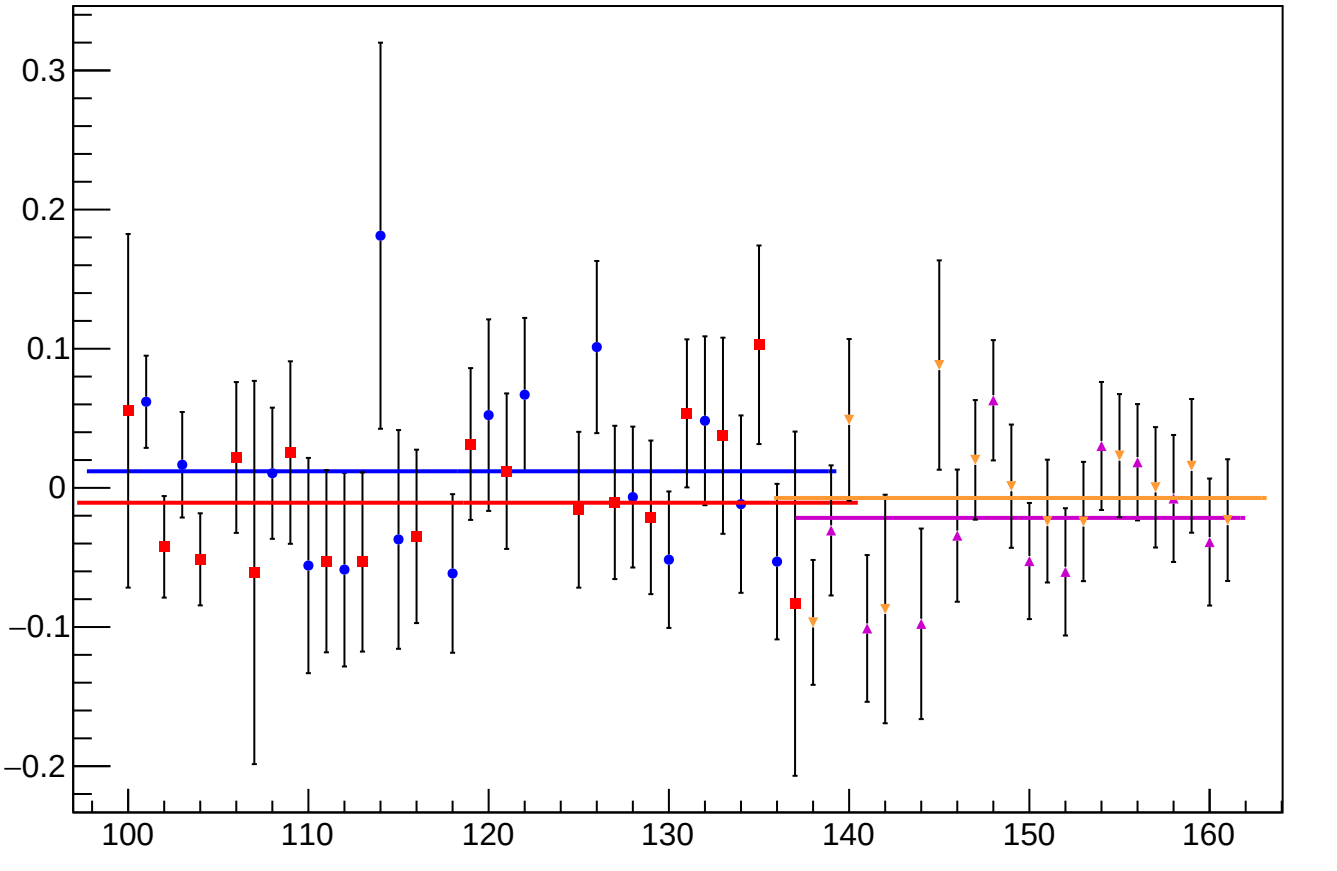
Left: 0.000+/-0.000 χ^2/NDF: 2762628.4/22

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

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

Out: 0.000+/-0.000 χ^2/NDF:4173242.8/29

All: 0.000+/-0.000 χ^2/NDF: 7907983.0/56



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.007+/-0.014 χ^2/NDF:9.1/11

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.022+/-0.014 χ^2/NDF:11.1/10

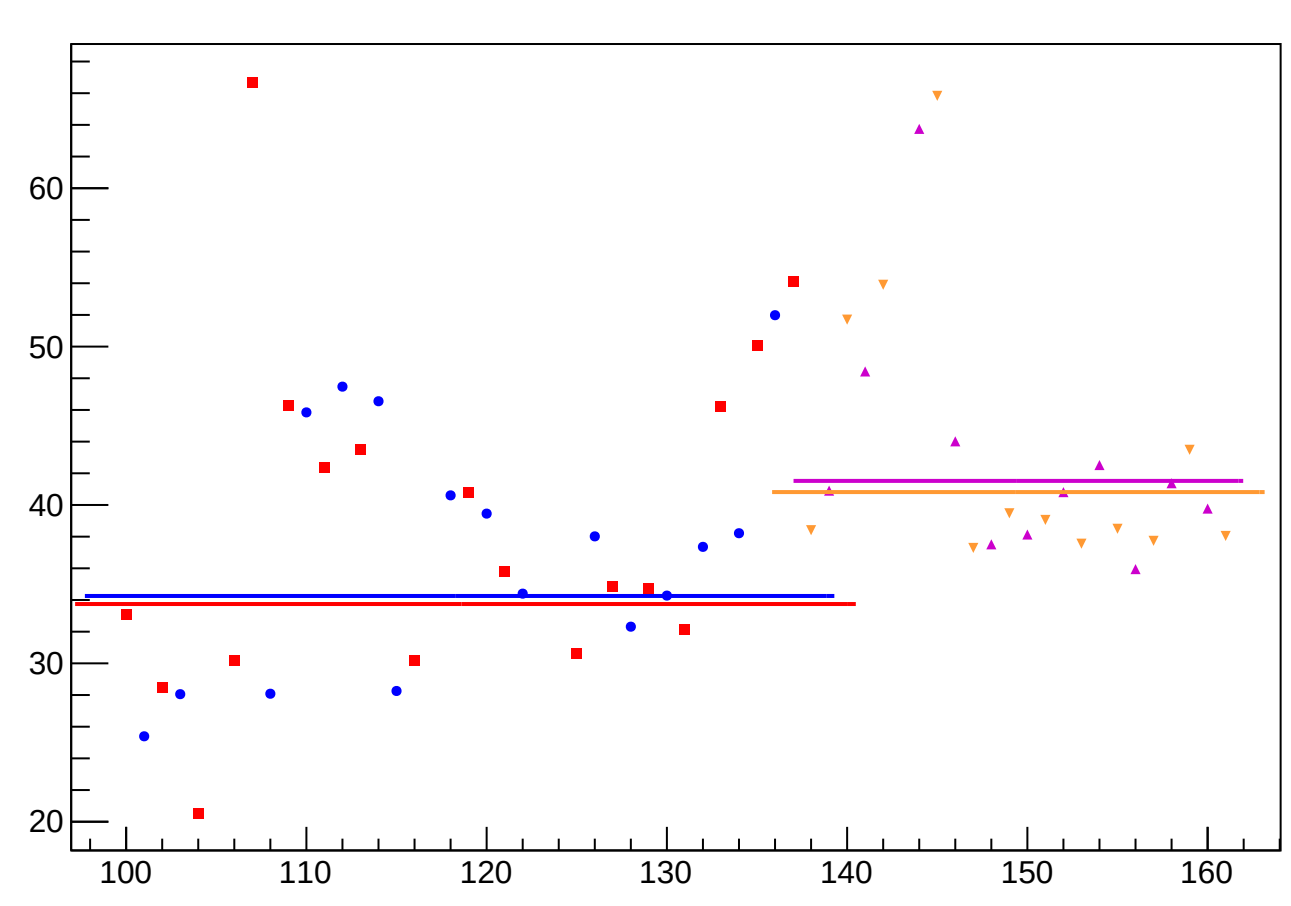
Left: -0.014+/-0.010 χ^2/NDF: 20.7/22

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.004+/-0.010 χ^2/NDF:28.8/26

Out: -0.009+/-0.010 χ^2/NDF:19.0/29

All: -0.007+/-0.007 χ^2/NDF: 47.9/56



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.814+/-0.010 χ^2/NDF:407864.5/11

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.520+/-0.010 χ^2/NDF:321247.9/10

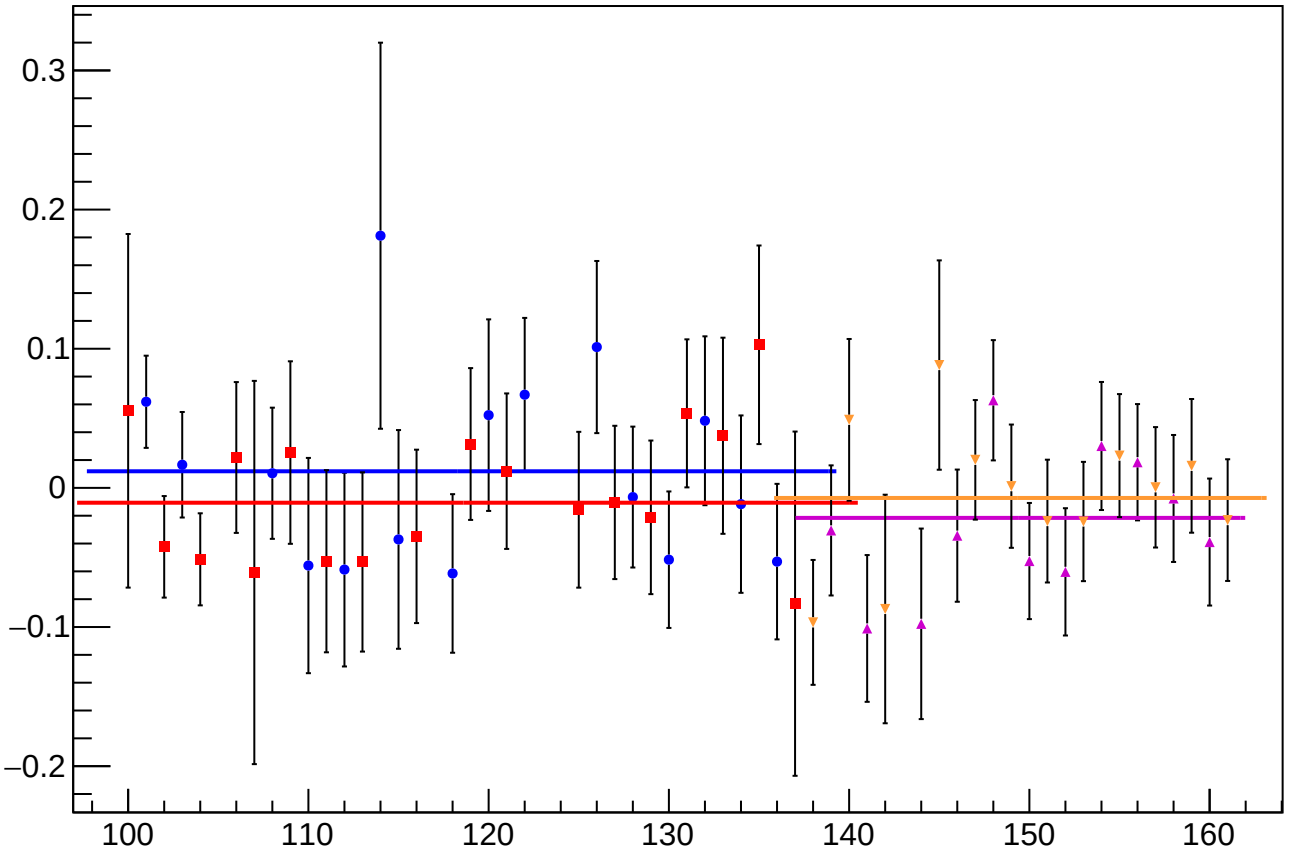
Left: 41.162+/-0.007 χ^2/NDF: 731674.1/22

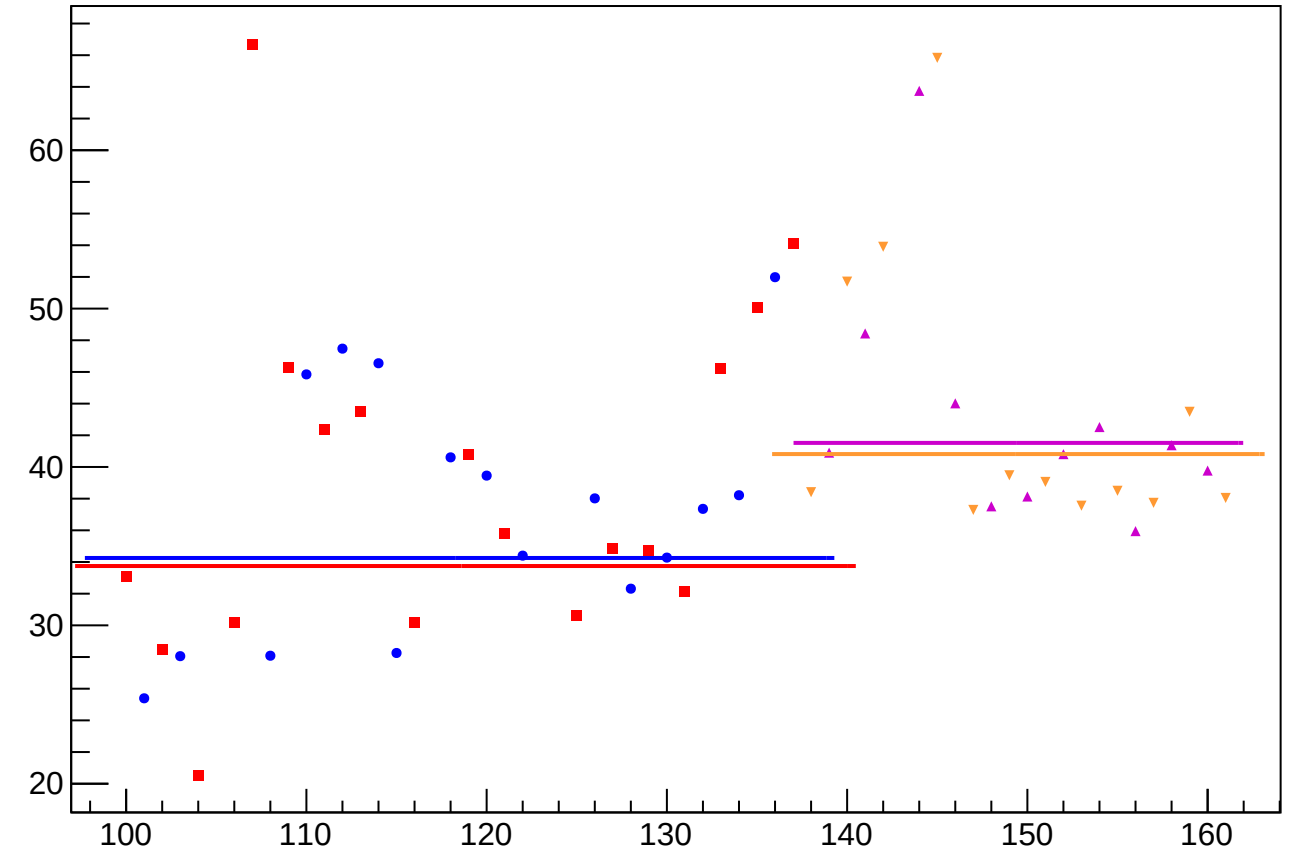
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

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

Out: 37.180+/-0.007 χ^2/NDF:1588467.3/29

All: 37.472+/-0.005 χ^2/NDF: 2825331.9/56


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.007+/-0.014 χ²/NDF:9.1/11
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.022+/-0.014 χ²/NDF:11.1/10
Left: -0.014+/-0.010 χ²/NDF: 20.7/22
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.010 χ²/NDF:28.8/26
Out: -0.009+/-0.010 χ²/NDF:19.0/29
All: -0.007+/-0.007 χ²/NDF: 47.9/56



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.814+/-0.010 χ^2/NDF:407864.5/11

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.520+/-0.010 χ^2/NDF:321247.9/10

Left: 41.162+/-0.007 χ^2/NDF: 731674.1/22

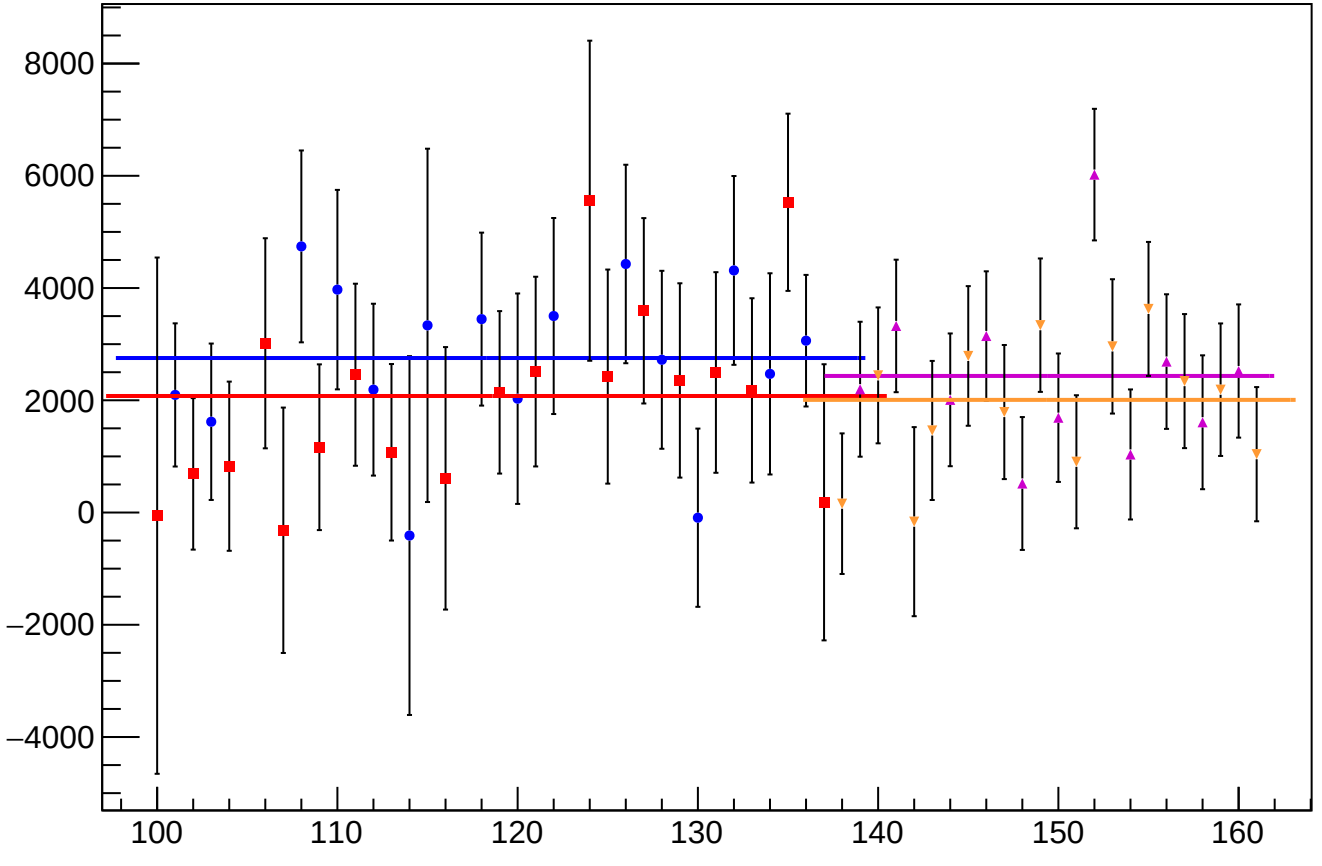
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

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

Out: 37.180+/-0.007 χ^2/NDF:1588467.3/29

All: 37.472+/-0.005 χ^2/NDF: 2825331.9/56

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2007.234+/-340.867 χ^2/NDF:9.9/12

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2433.680+/-354.985 χ^2/NDF:15.5/10

Left: 2211.809+/-245.869 χ^2/NDF: 26.2/23

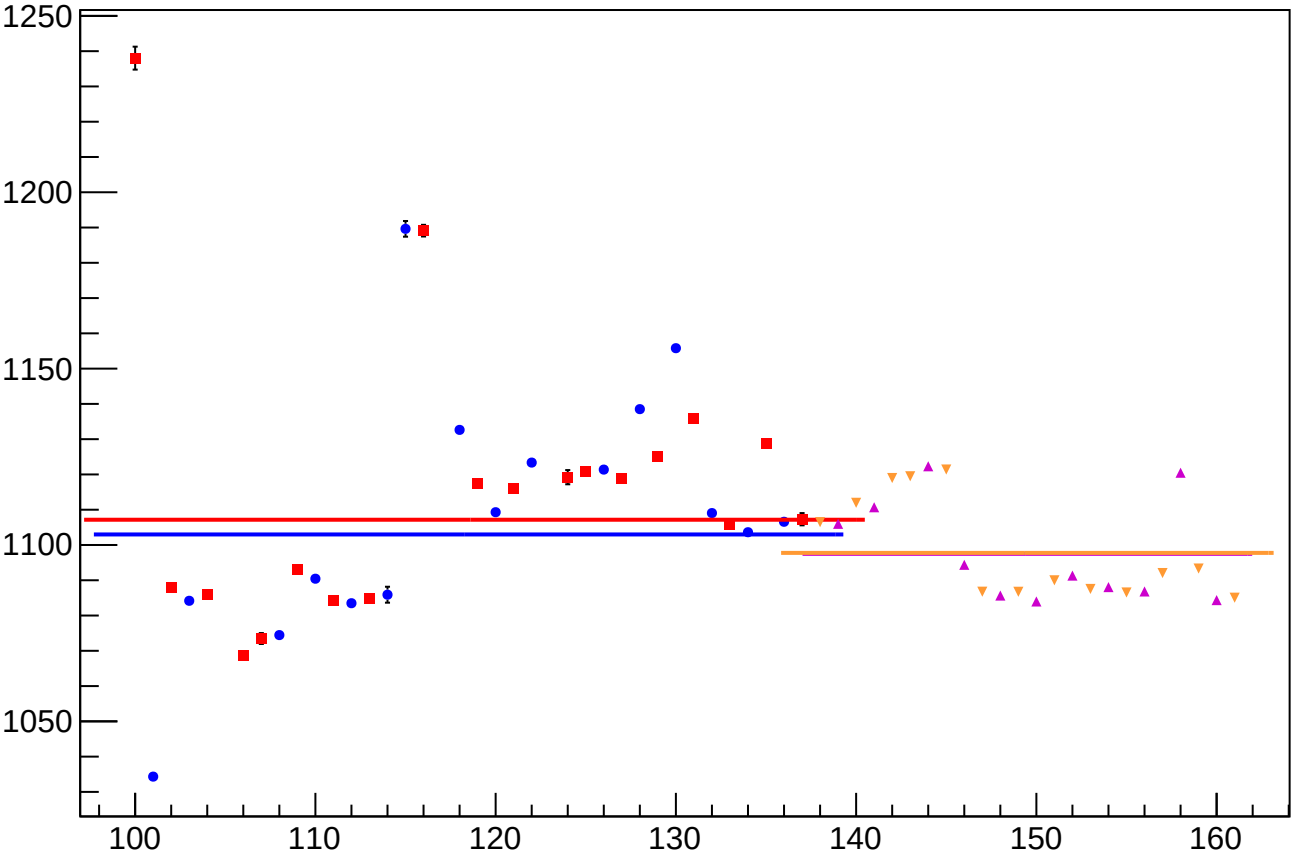
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

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

Out: 2036.043+/-260.470 χ^2/NDF:22.5/31

All: 2295.386+/-186.895 χ^2/NDF: 49.9/58

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

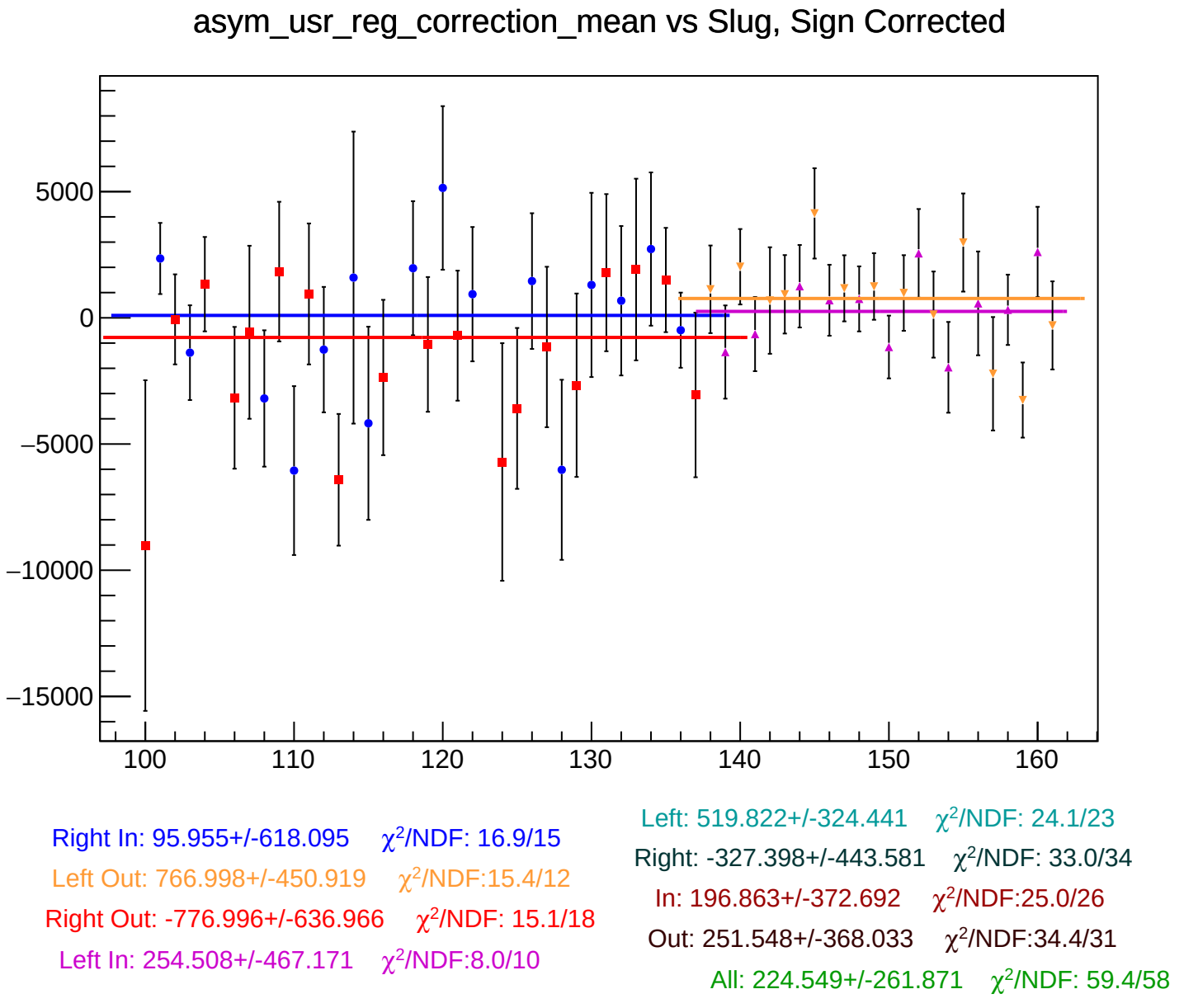
Left: 1097.629+/-0.174 χ^2/NDF: 6134.5/23

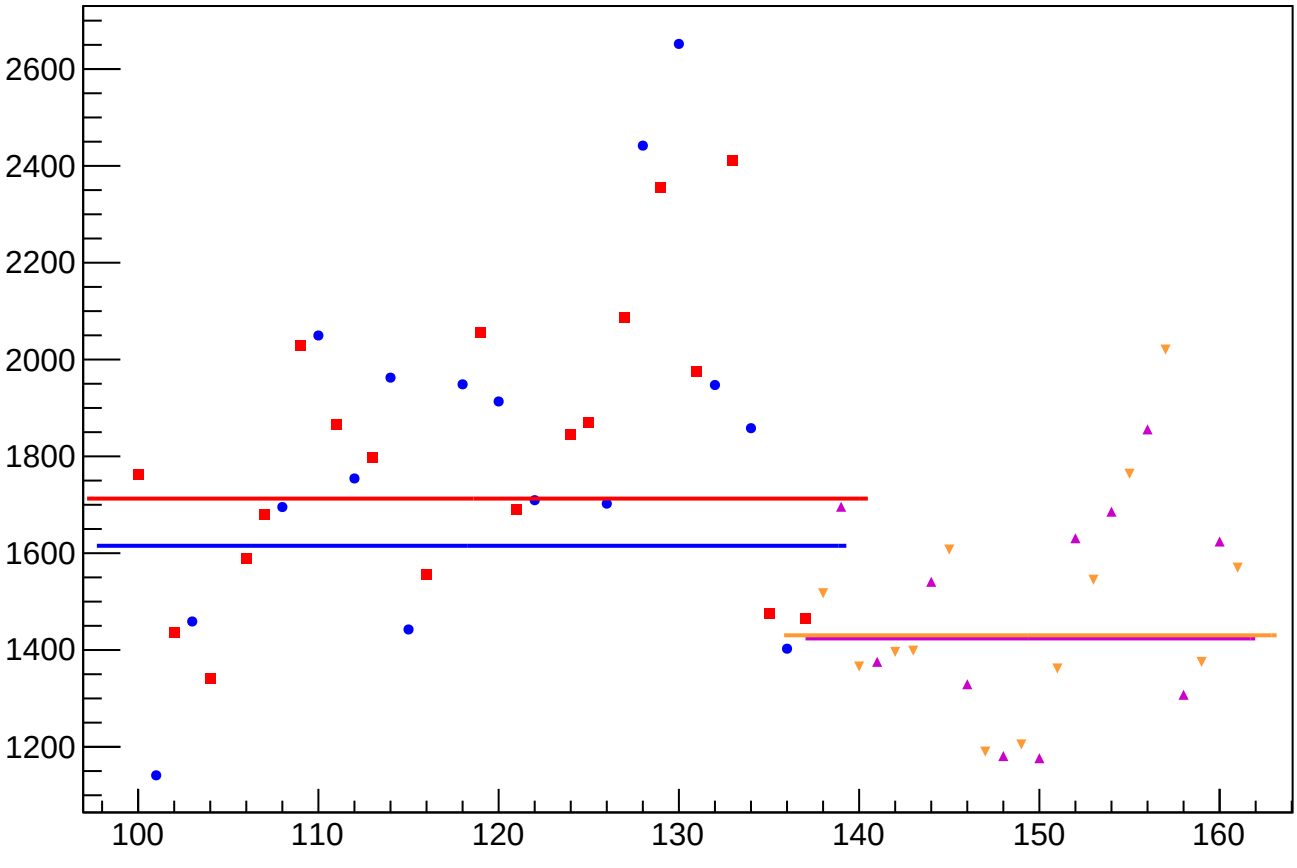
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

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

Out: 1101.672+/-0.184 χ^2/NDF:12391.8/31

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 766.998+/-450.919 χ²/NDF:15.4/12
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 254.508+/-467.171 χ²/NDF:8.0/10
Left: 519.822+/-324.441 χ²/NDF: 24.1/23
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 196.863+/-372.692 χ²/NDF:25.0/26
Out: 251.548+/-368.033 χ²/NDF:34.4/31
All: 224.549+/-261.871 χ²/NDF: 59.4/58



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

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

Left: 1427.278+/-0.229 χ^2/NDF: 793502.5/23

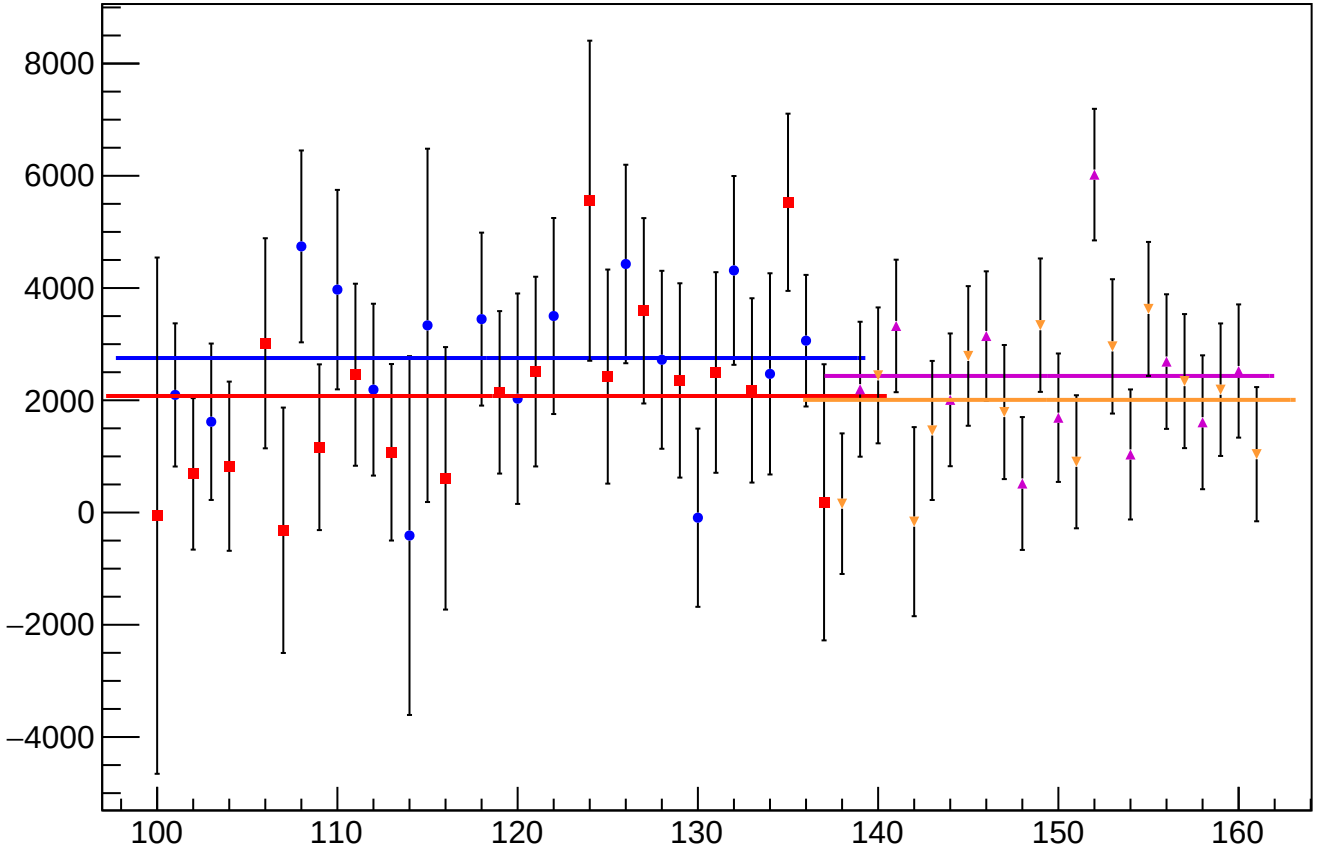
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

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

Out: 1524.674+/-0.260 χ^2/NDF:1070973.3/31

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2007.234+/-340.867 χ^2/NDF:9.9/12

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2433.680+/-354.985 χ^2/NDF:15.5/10

Left: 2211.809+/-245.869 χ^2/NDF: 26.2/23

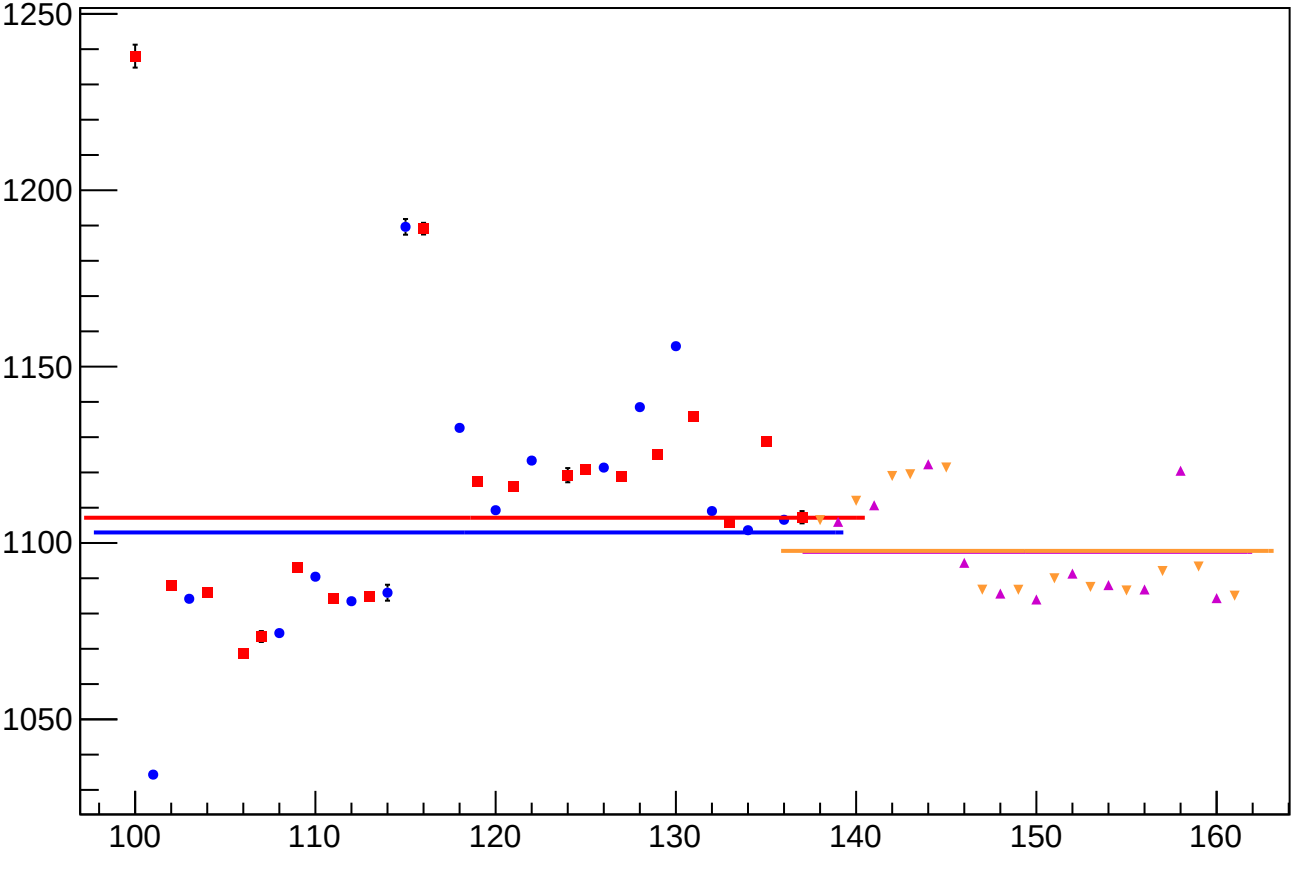
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

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

Out: 2036.043+/-260.470 χ^2/NDF:22.5/31

All: 2295.386+/-186.895 χ^2/NDF: 49.9/58

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

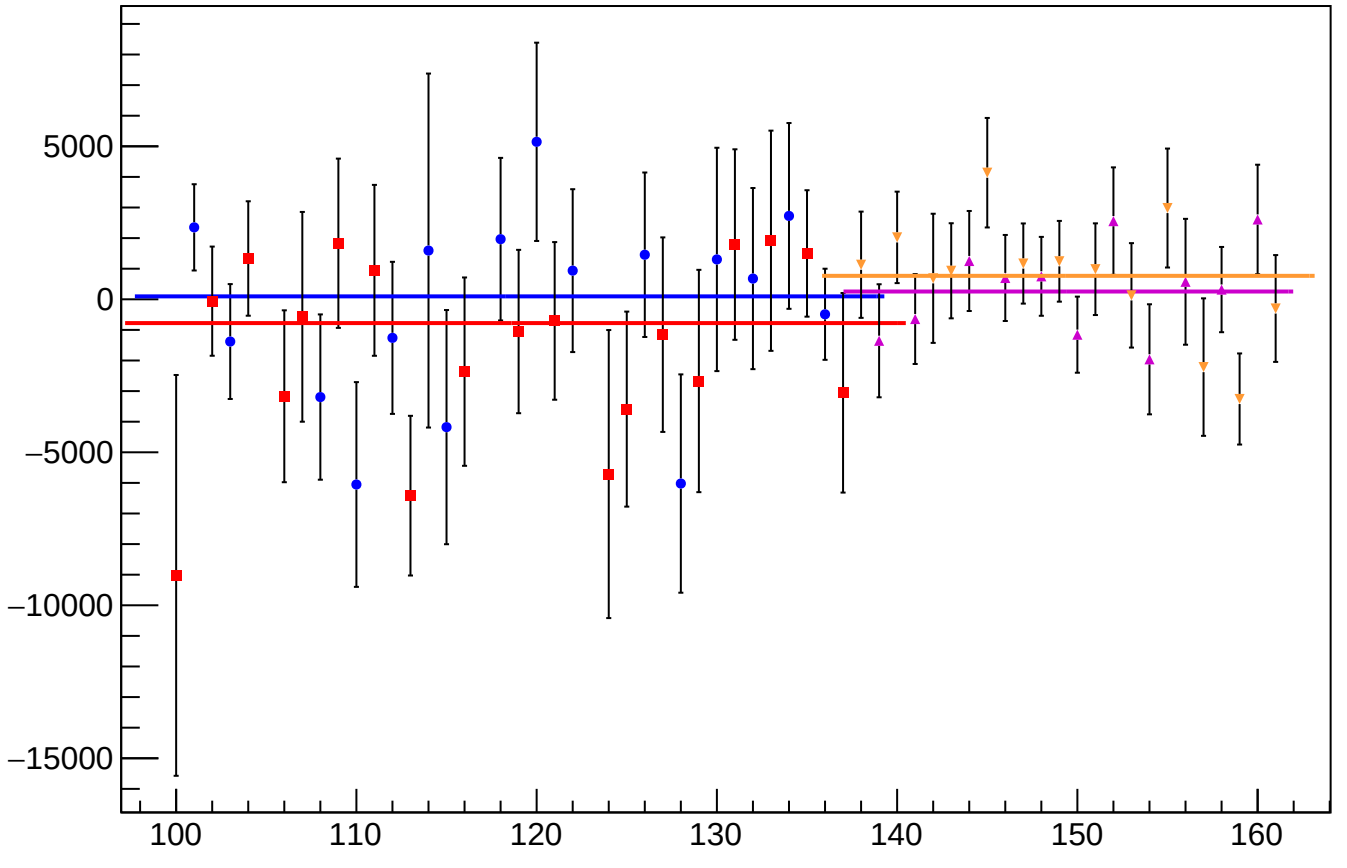
Left: 1097.629+/-0.174 χ^2/NDF: 6134.5/23

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

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

Out: 1101.672+/-0.184 χ^2/NDF:12391.8/31

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 766.998+/-450.919 χ^2/NDF:15.4/12

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 254.508+/-467.171 χ^2/NDF:8.0/10

Left: 519.822+/-324.441 χ^2/NDF: 24.1/23

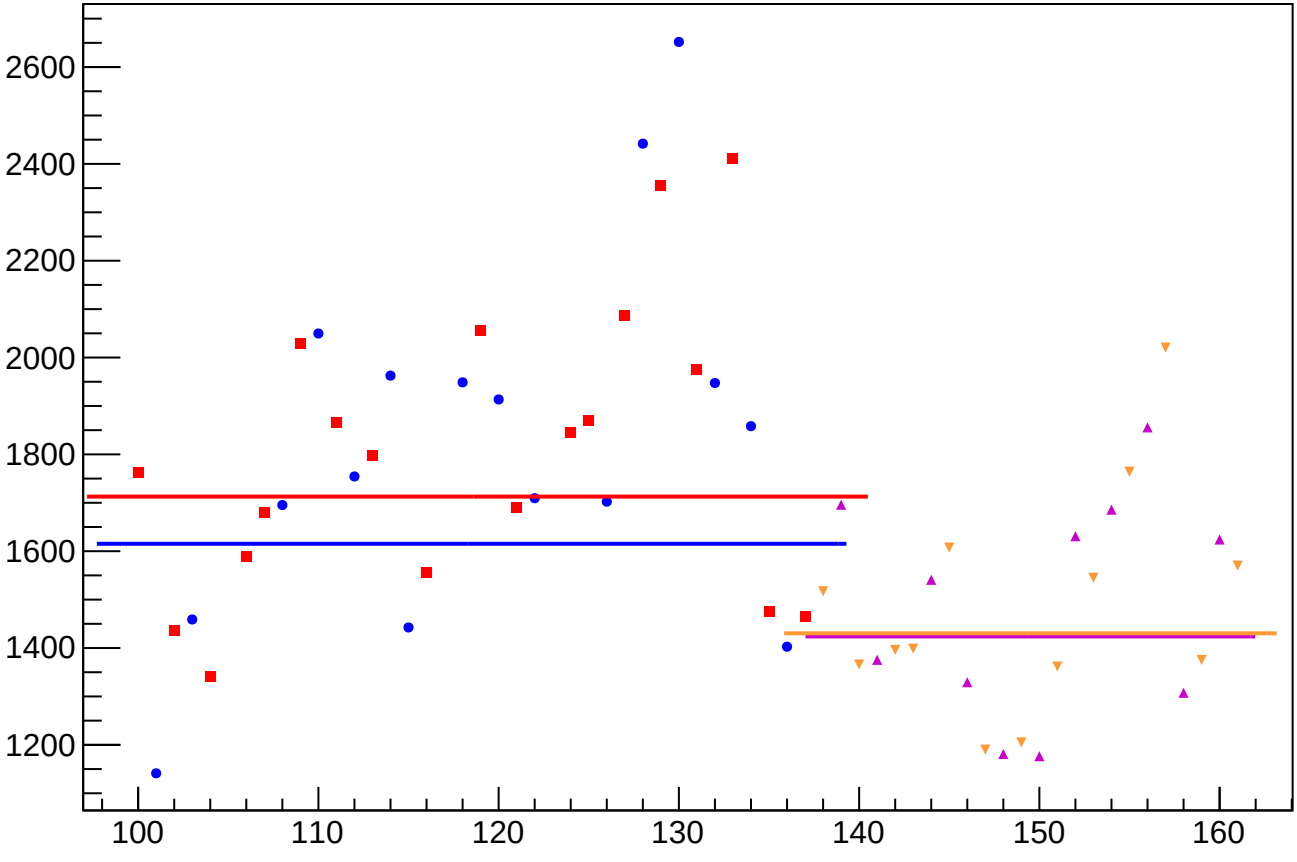
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 196.863+/-372.692 χ^2/NDF:25.0/26

Out: 251.548+/-368.033 χ^2/NDF:34.4/31

All: 224.549+/-261.871 χ^2/NDF: 59.4/58

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

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

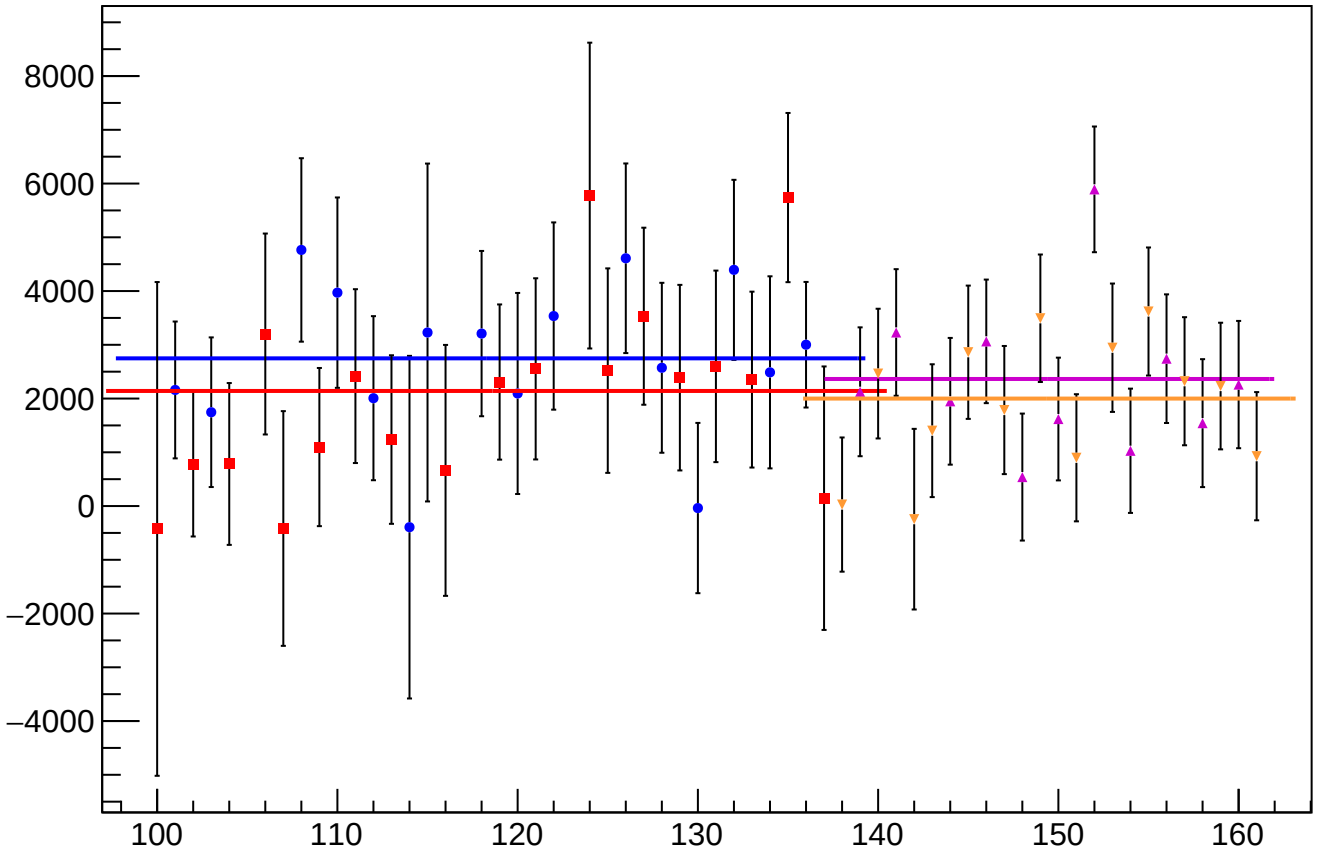
Left: 1427.278+/-0.229 χ^2/NDF: 793502.5/23

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

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

Out: 1524.674+/-0.260 χ^2/NDF:1070973.3/31

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58



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

Left Out: 1999.497+/-339.989 χ^2/NDF:11.0/12

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

Left In: 2364.137+/-354.138 χ^2/NDF:14.9/10

Left: 2174.387+/-245.258 χ^2/NDF: 26.5/23

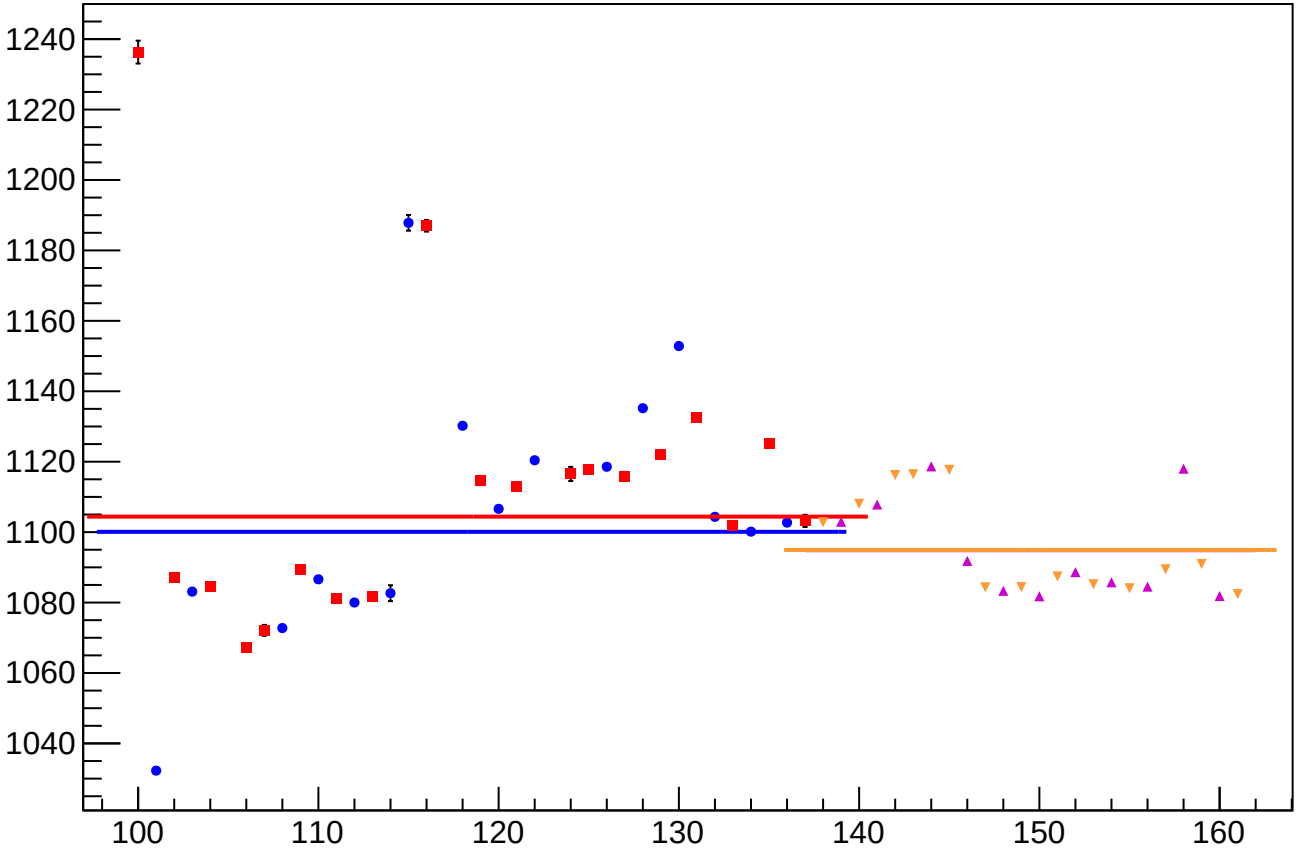
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

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

Out: 2058.440+/-259.807 χ^2/NDF:24.7/31

All: 2286.572+/-186.425 χ^2/NDF: 51.2/58

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1094.939+/-0.240 χ^2/NDF:2899.5/12

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1094.870+/-0.250 χ^2/NDF:2944.3/10

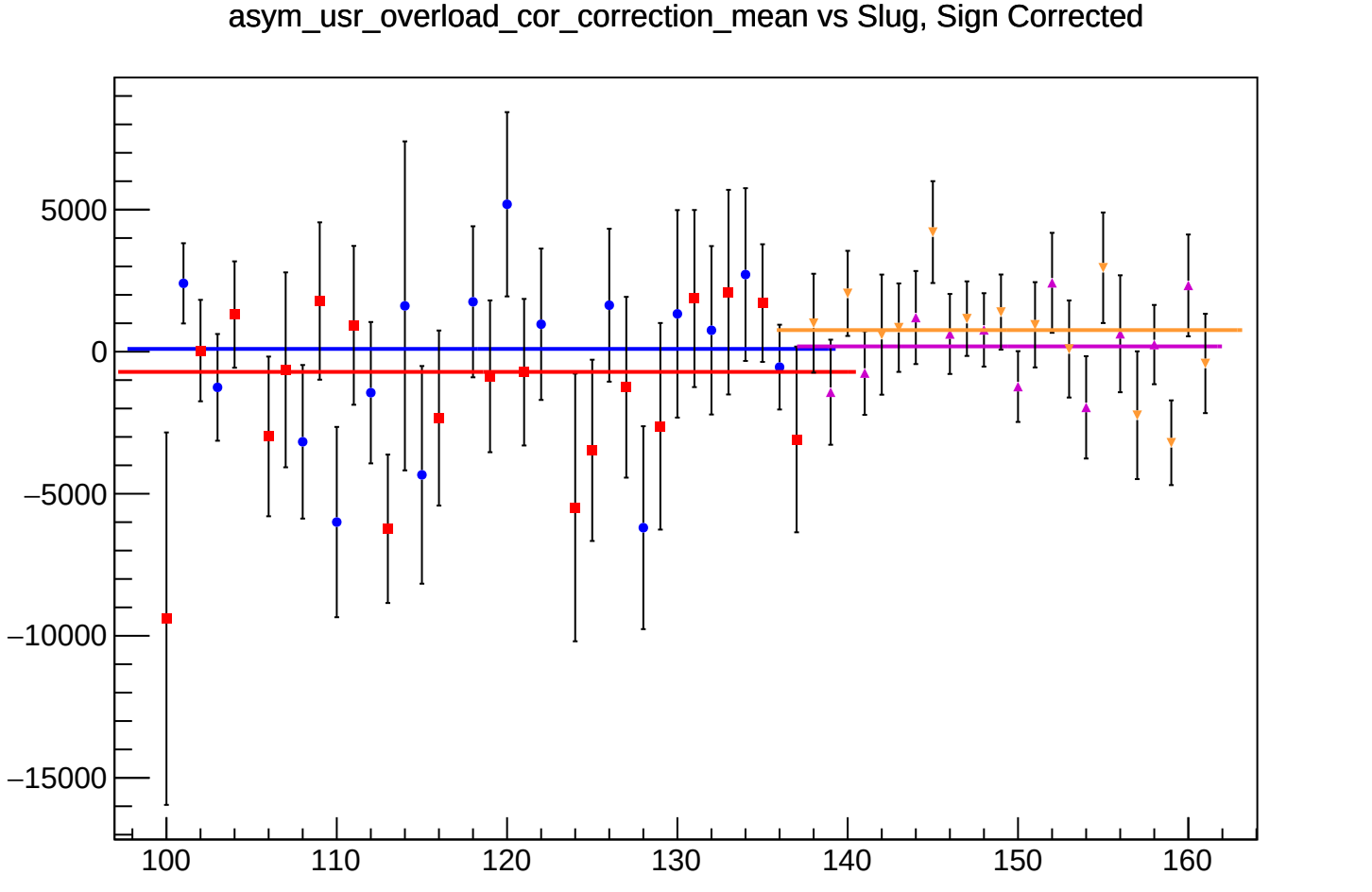
Left: 1094.906+/-0.173 χ^2/NDF: 5843.8/23

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

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

Out: 1098.876+/-0.184 χ^2/NDF:12087.8/31

All: 1098.019+/-0.132 χ^2/NDF: 28340.5/58



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 759.760+/-451.634 χ^2/NDF:15.5/12

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 186.223+/-467.858 χ^2/NDF:7.7/10

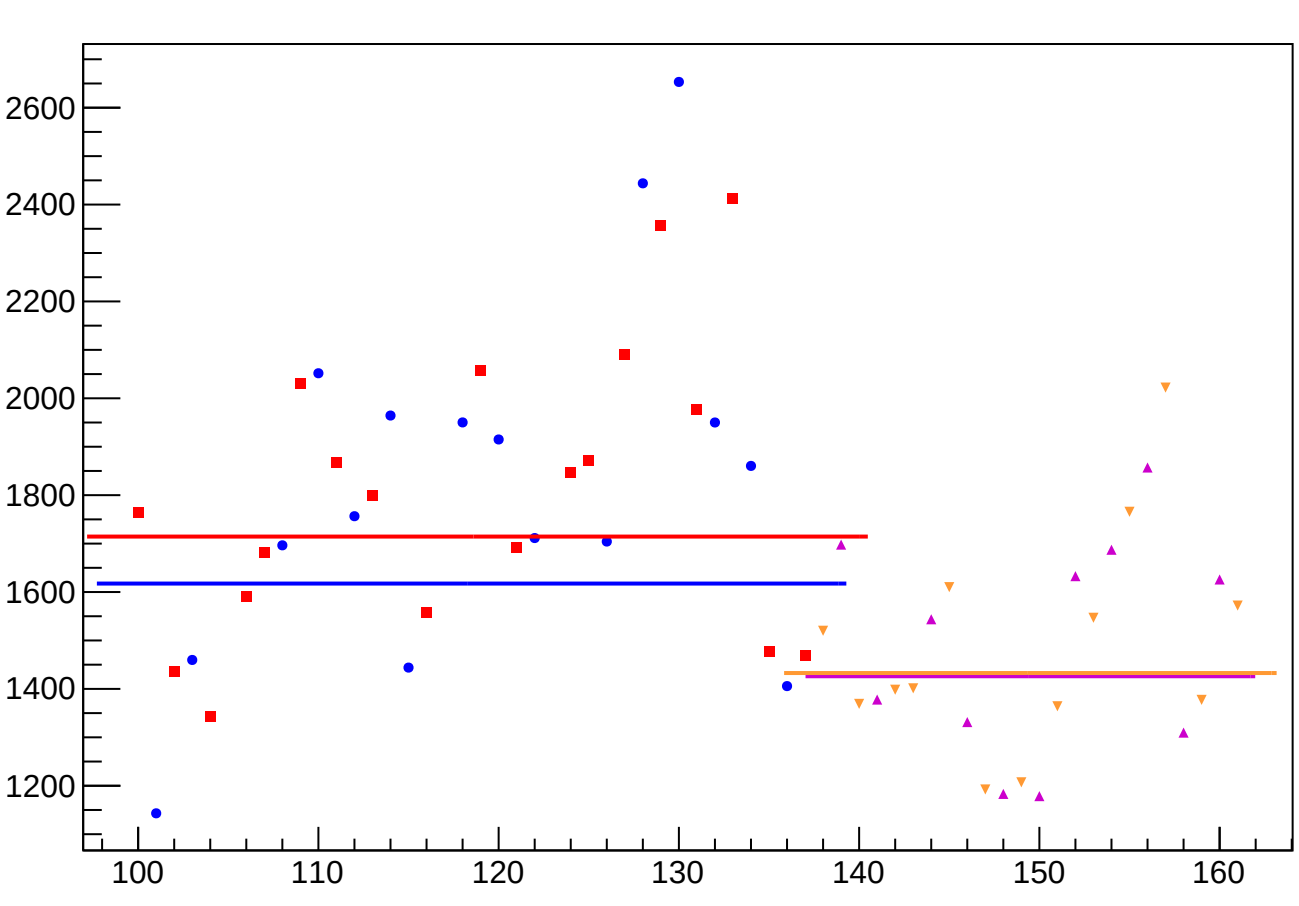
Left: 483.108+/-324.938 χ^2/NDF: 24.0/23

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

In: 153.934+/-373.212 χ^2/NDF:24.9/26

Out: 268.263+/-368.542 χ^2/NDF:34.0/31

All: 211.818+/-262.234 χ^2/NDF: 59.0/58



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1432.756+/-0.319 χ^2/NDF:379481.7/12

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

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

Left: 1429.549+/-0.230 χ^2/NDF: 790308.0/23

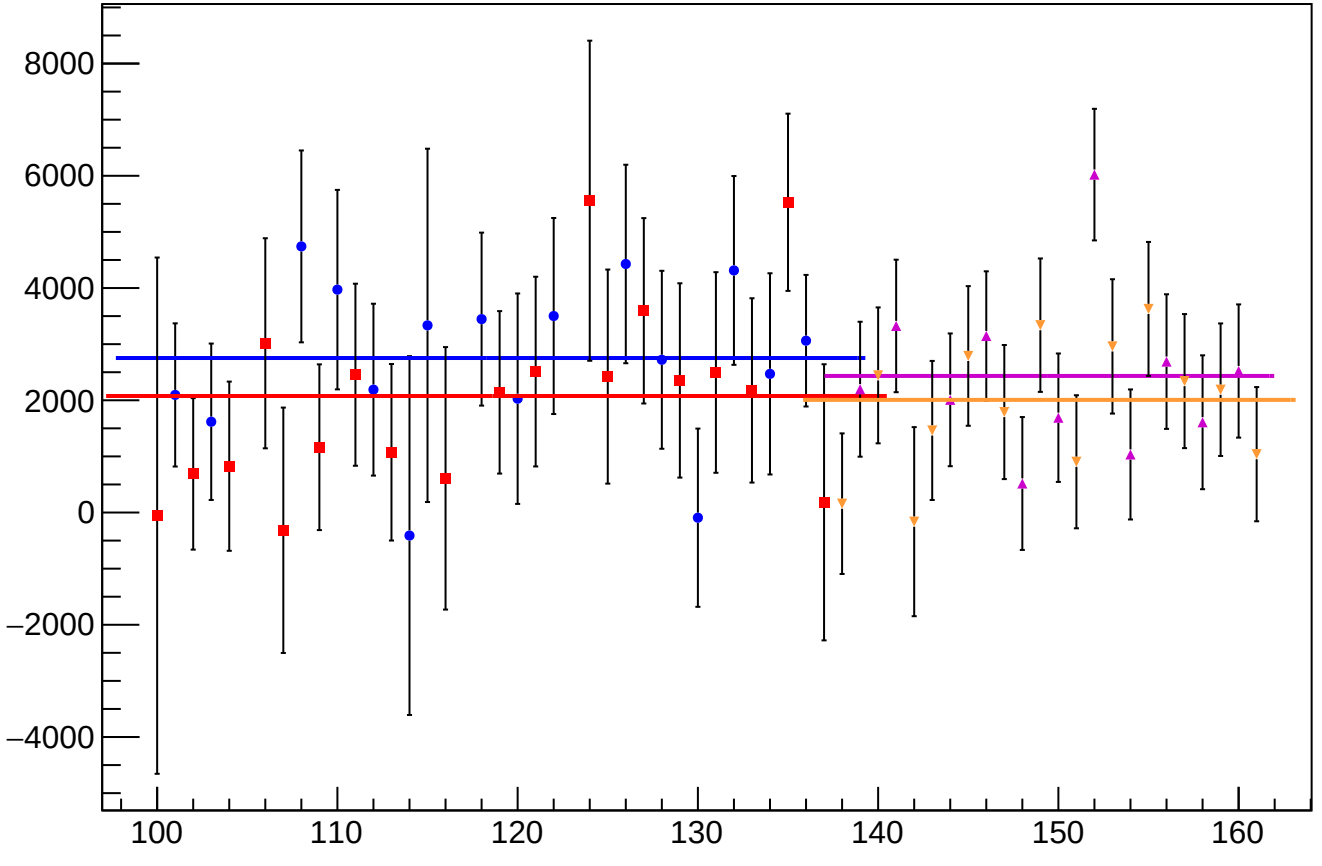
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

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

Out: 1526.893+/-0.261 χ^2/NDF:1067257.4/31

All: 1511.497+/-0.185 χ^2/NDF: 2298376.9/58

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2007.234+/-340.867 χ^2/NDF:9.9/12

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2433.680+/-354.985 χ^2/NDF:15.5/10

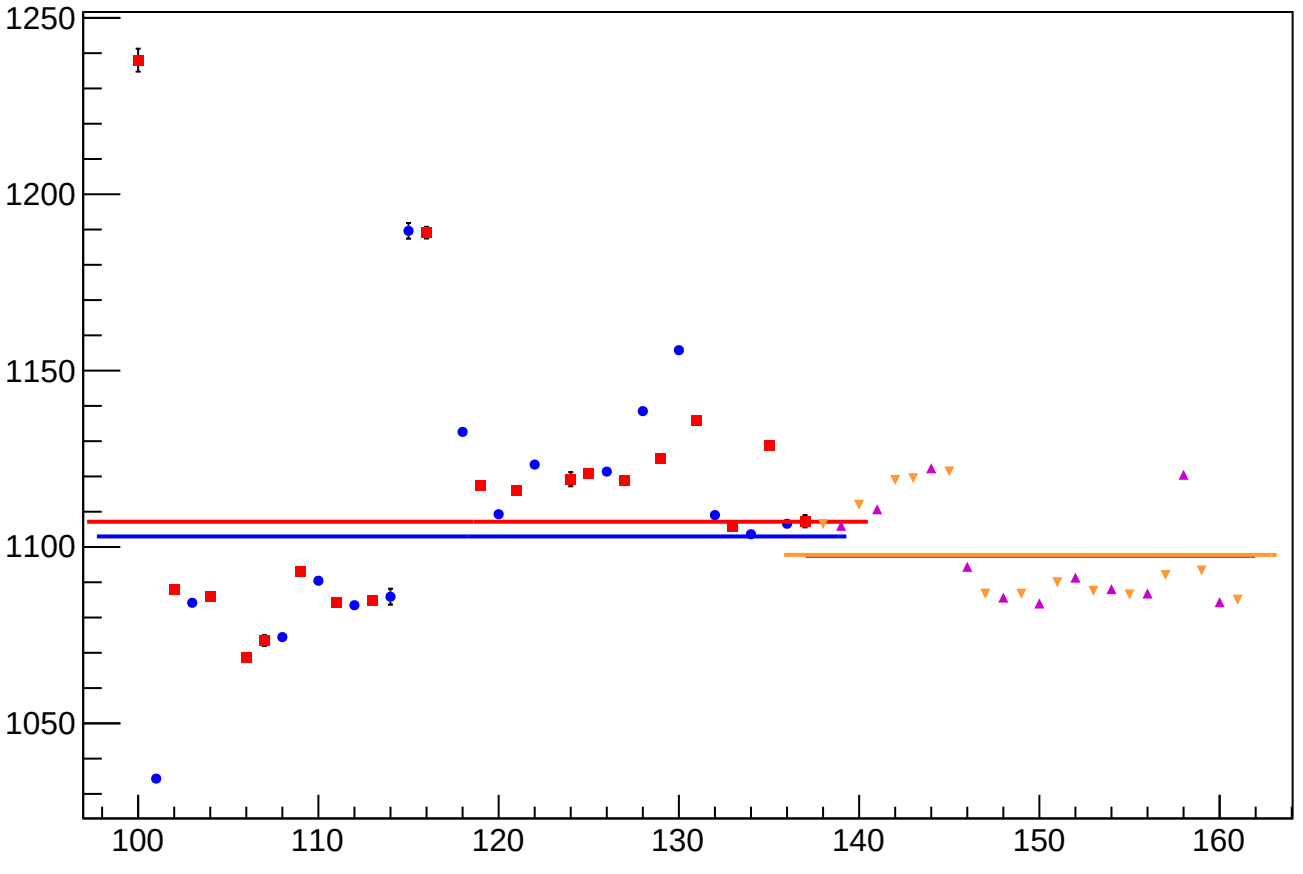
Left: 2211.809+/-245.869 χ^2/NDF: 26.2/23

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

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

Out: 2036.043+/-260.470 χ^2/NDF:22.5/31

All: 2295.386+/-186.895 χ^2/NDF: 49.9/58



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

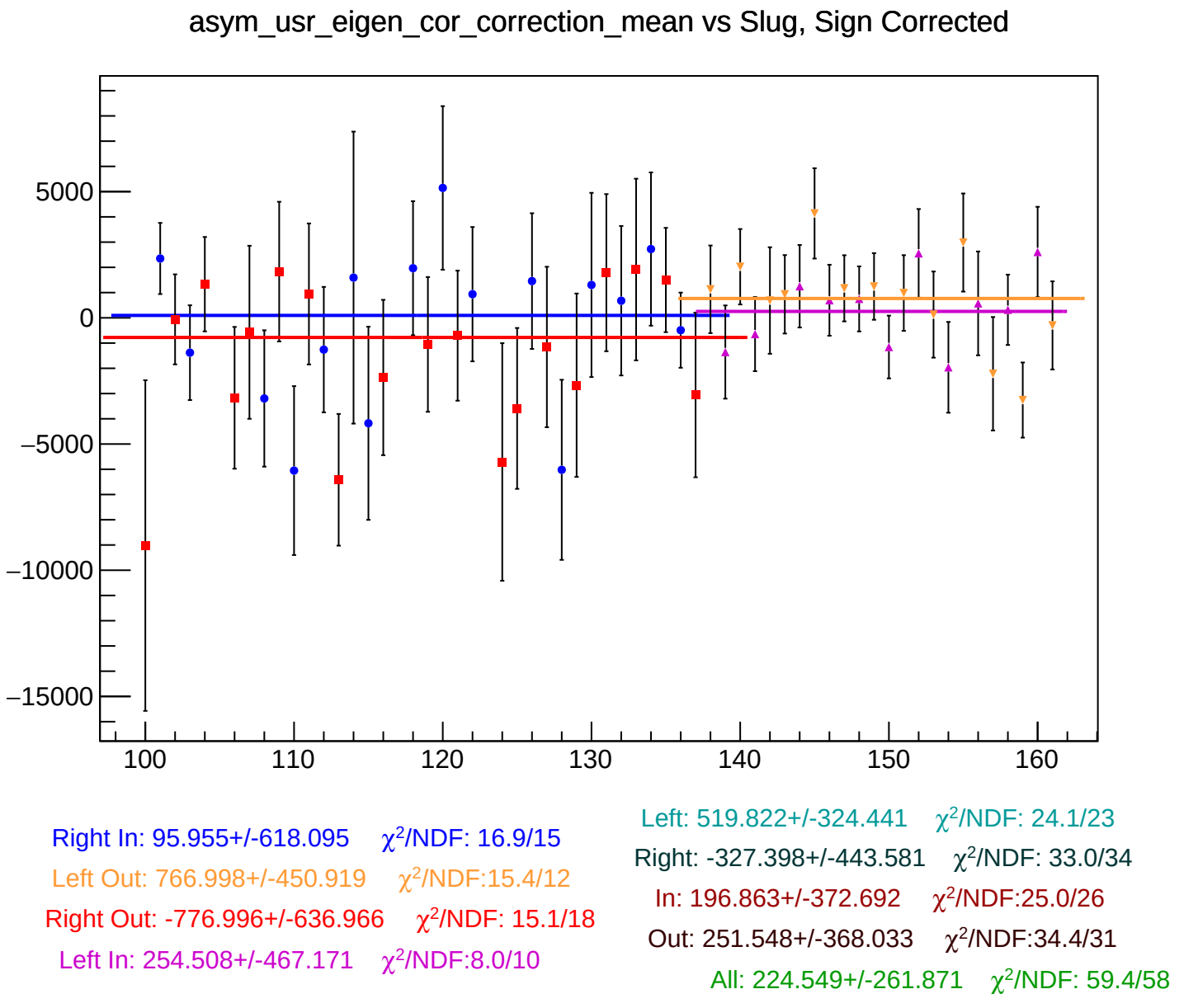
Left: 1097.629+/-0.174 χ^2/NDF: 6134.5/23

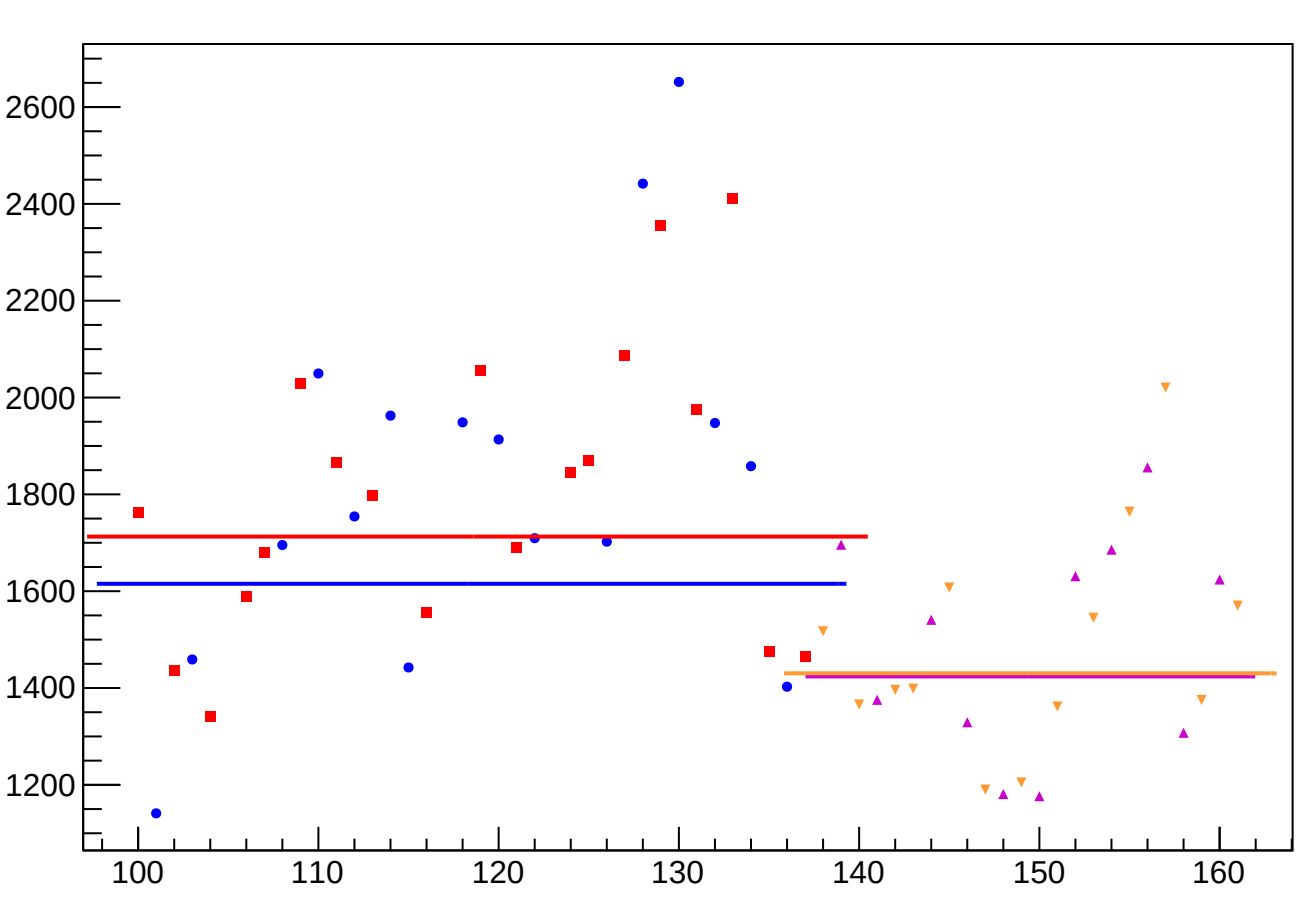
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

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

Out: 1101.672+/-0.184 χ^2/NDF:12391.8/31

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58


asym_usr_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 766.998+/-450.919 χ²/NDF:15.4/12
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 254.508+/-467.171 χ²/NDF:8.0/10
Left: 519.822+/-324.441 χ²/NDF: 24.1/23
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 196.863+/-372.692 χ²/NDF:25.0/26
Out: 251.548+/-368.033 χ²/NDF:34.4/31
All: 224.549+/-261.871 χ²/NDF: 59.4/58



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

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

Left: 1427.278+/-0.229 χ^2/NDF: 793502.5/23

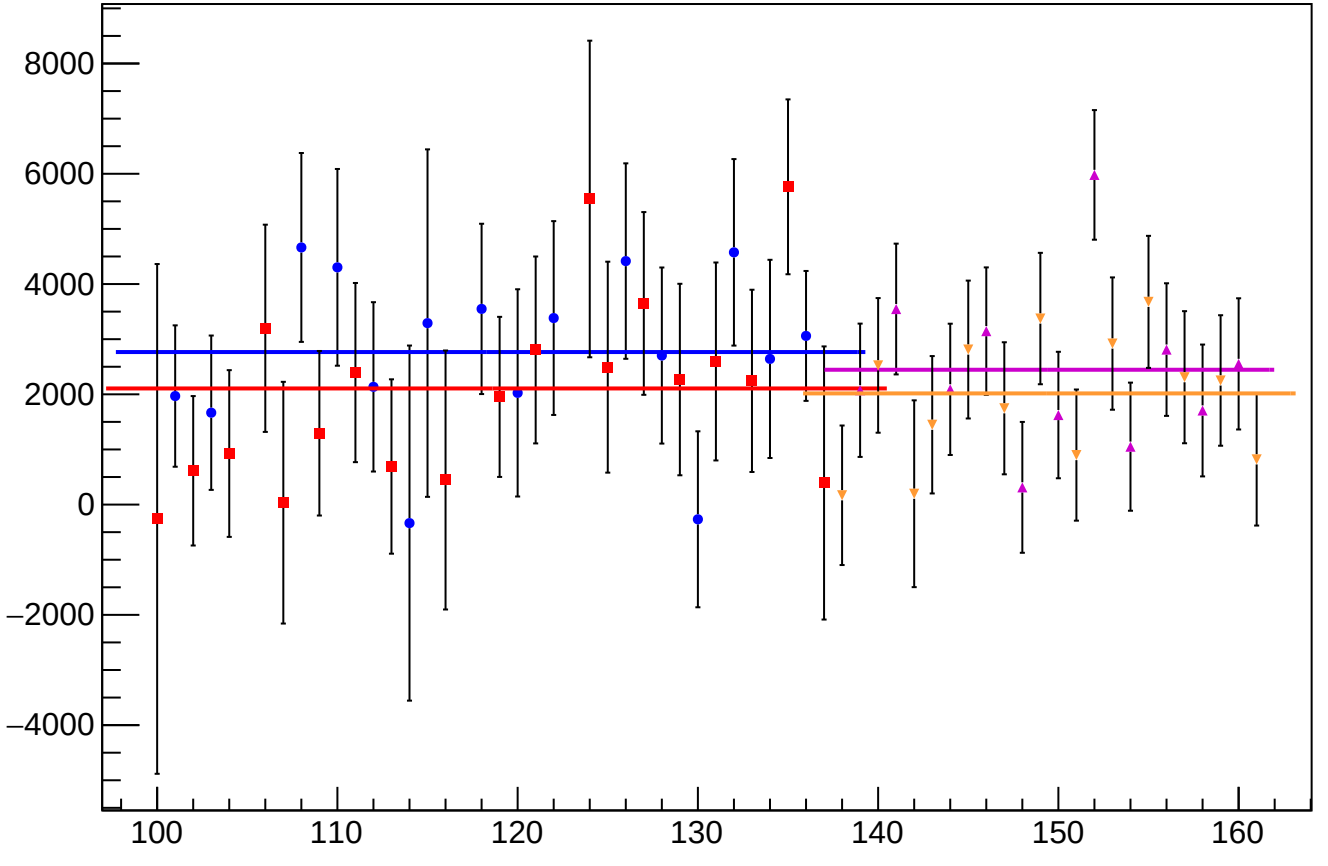
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

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

Out: 1524.674+/-0.260 χ^2/NDF:1070973.3/31

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2016.502+/-342.333 χ^2/NDF:9.9/12

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2445.524+/-356.200 χ^2/NDF:16.1/10

Left: 2222.500+/-246.823 χ^2/NDF: 26.8/23

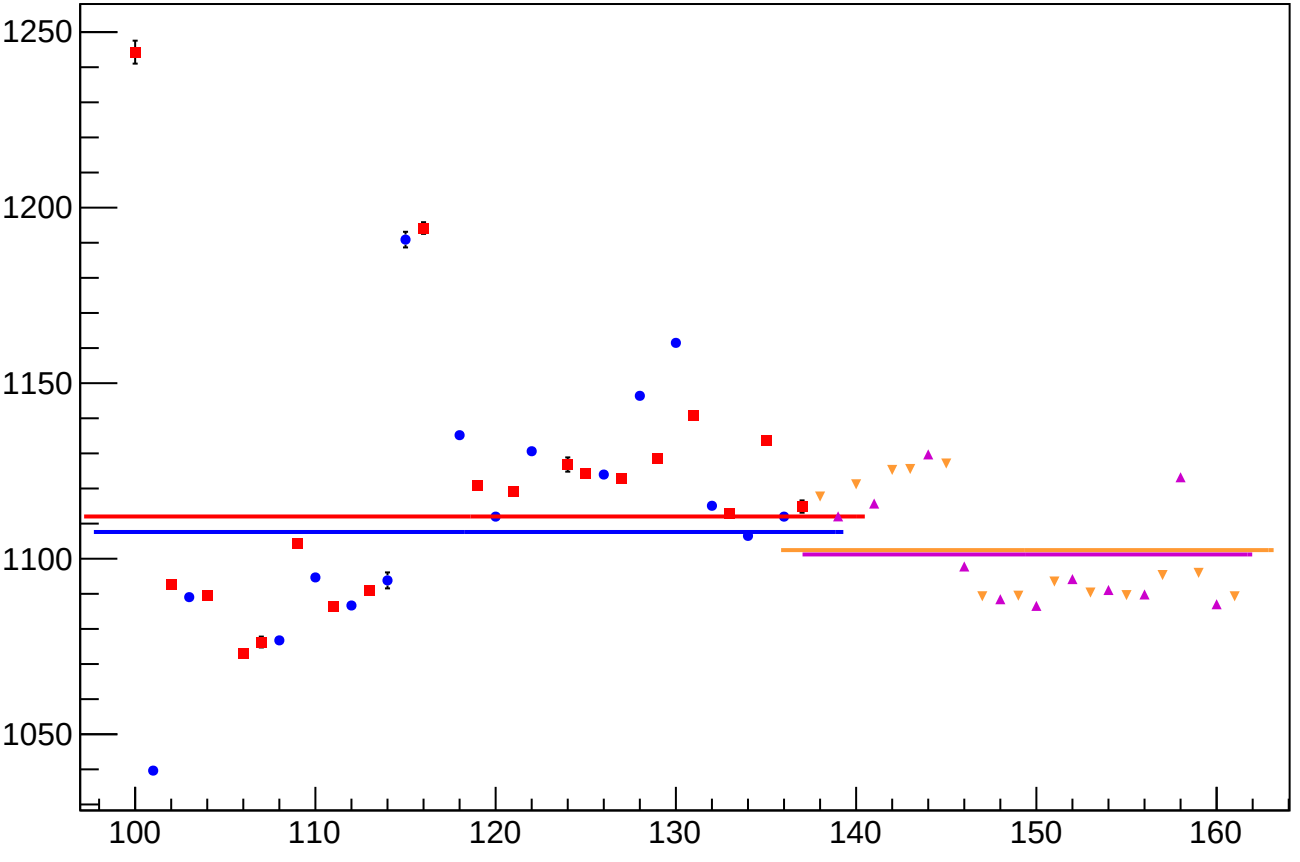
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

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

Out: 2053.884+/-261.604 χ^2/NDF:23.3/31

All: 2310.766+/-187.655 χ^2/NDF: 52.0/58

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1102.450+/-0.242 χ^2/NDF:3986.4/12

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

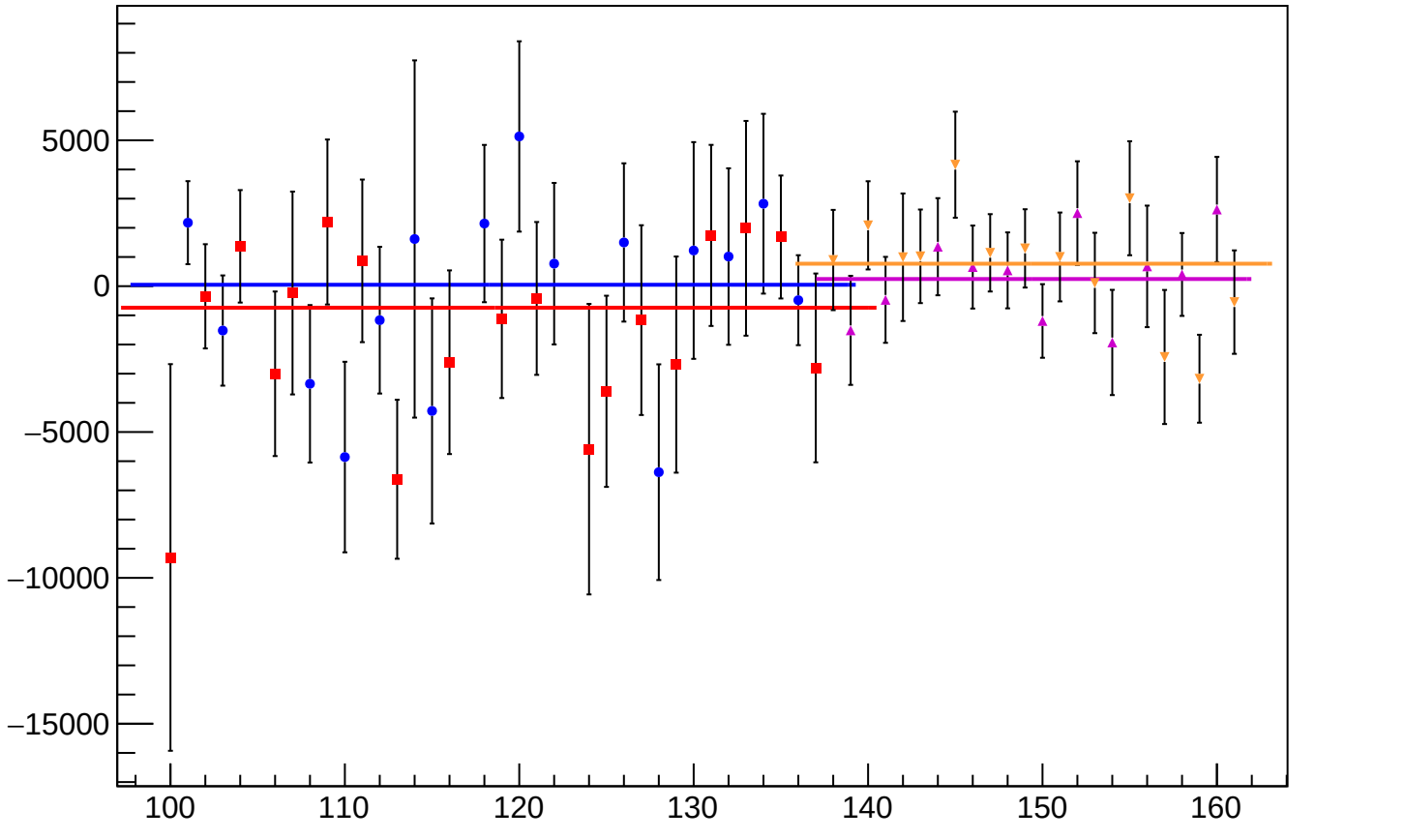
Left: 1101.858+/-0.175 χ^2/NDF: 7542.9/23

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

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

Out: 1106.436+/-0.185 χ^2/NDF:13291.4/31

All: 1105.232+/-0.133 χ^2/NDF: 30419.6/58



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 769.545+/-457.454 χ^2/NDF:15.3/12

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 245.007+/-472.629 χ^2/NDF:7.9/10

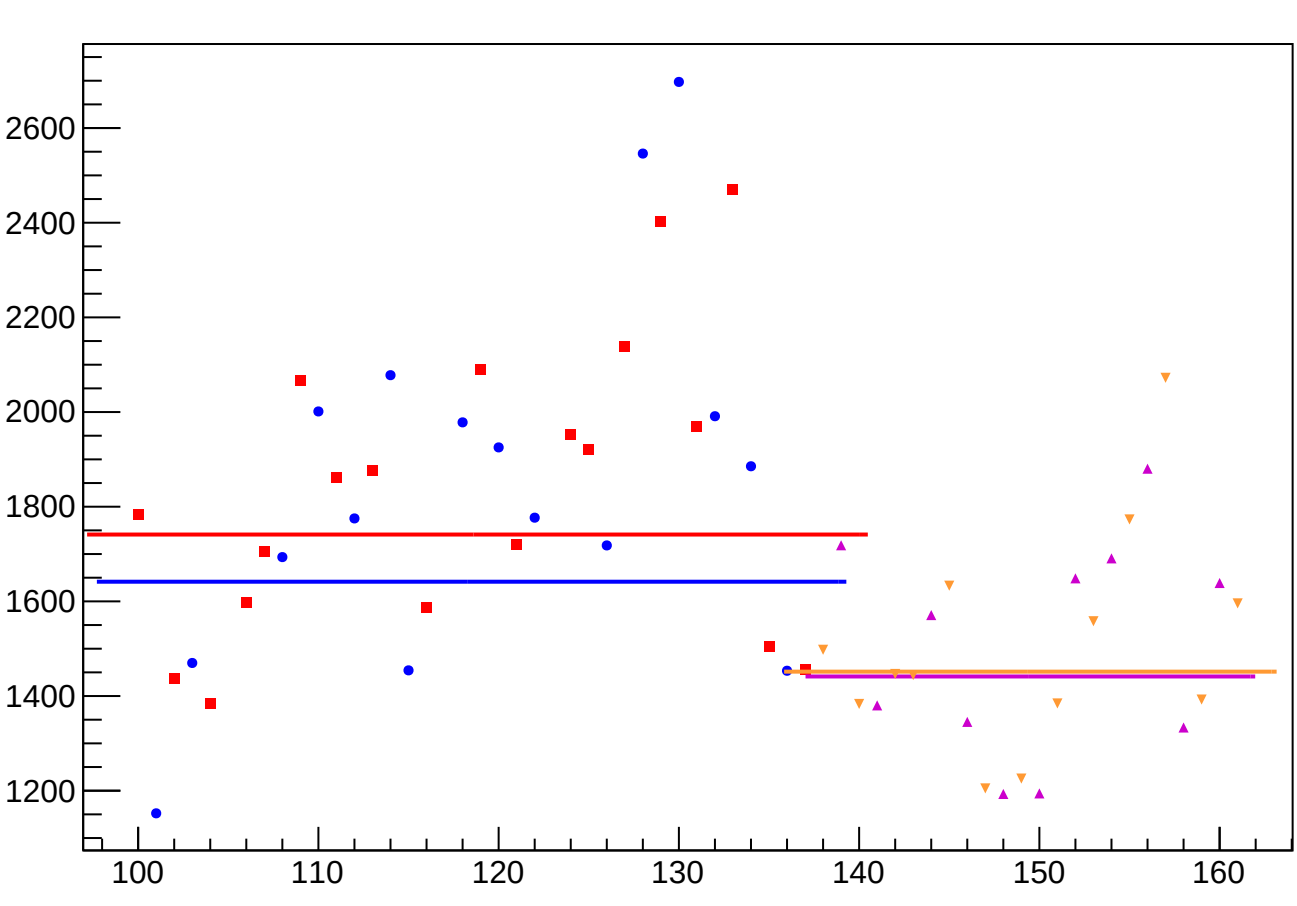
Left: 515.832+/-328.703 χ^2/NDF: 23.8/23

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

In: 173.713+/-377.646 χ^2/NDF:24.8/26

Out: 267.856+/-373.674 χ^2/NDF:33.9/31

All: 221.282+/-265.621 χ^2/NDF: 58.7/58



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1451.535+/-0.323 χ^2/NDF:379391.6/12

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

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

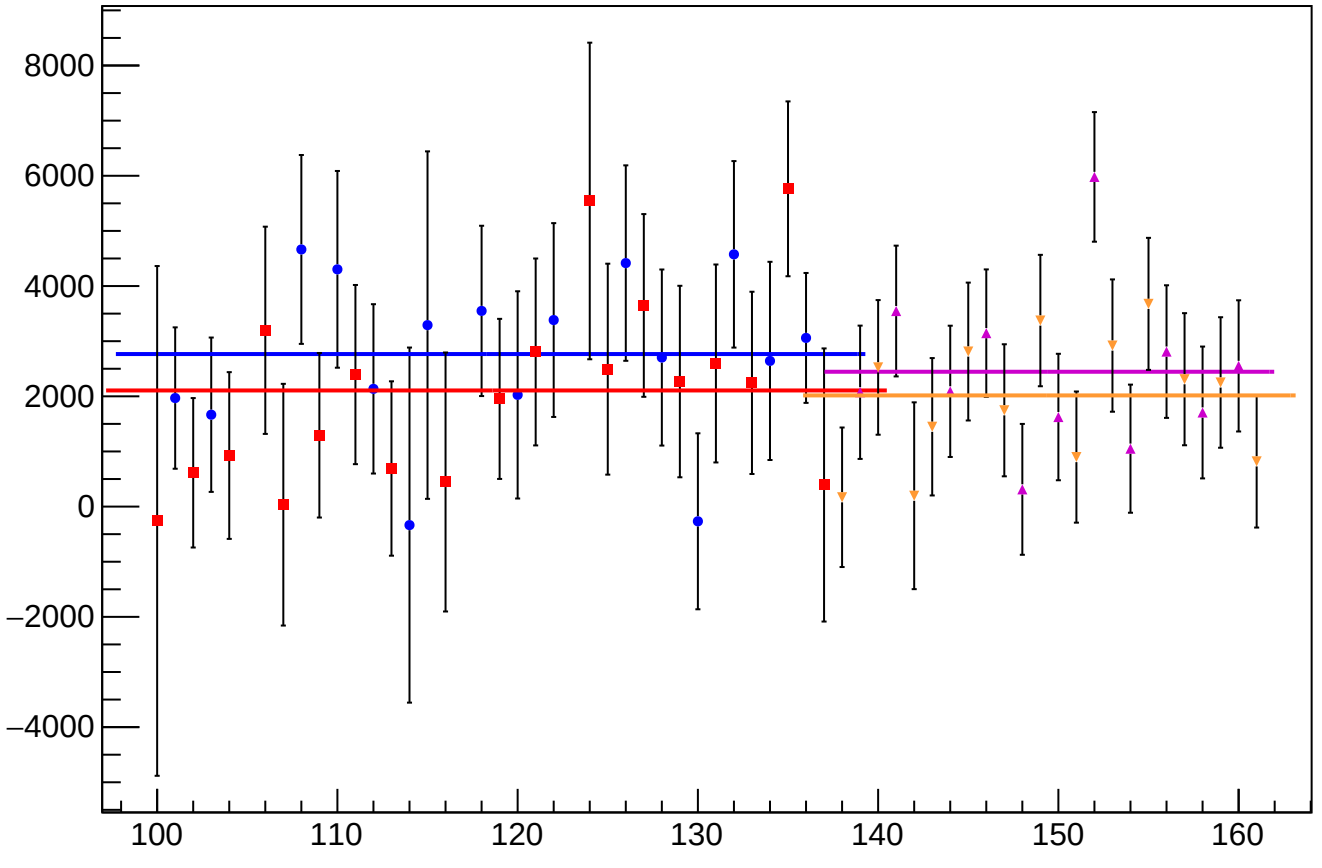
Left: 1446.596+/-0.232 χ^2/NDF: 787622.4/23

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

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

Out: 1547.919+/-0.264 χ^2/NDF:1084561.3/31

All: 1530.996+/-0.188 χ^2/NDF: 2331674.5/58



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

Left Out: 2016.499+/-342.333 χ^2/NDF:9.9/12

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

Left In: 2445.525+/-356.200 χ^2/NDF:16.1/10

Left: 2222.499+/-246.823 χ^2/NDF: 26.8/23

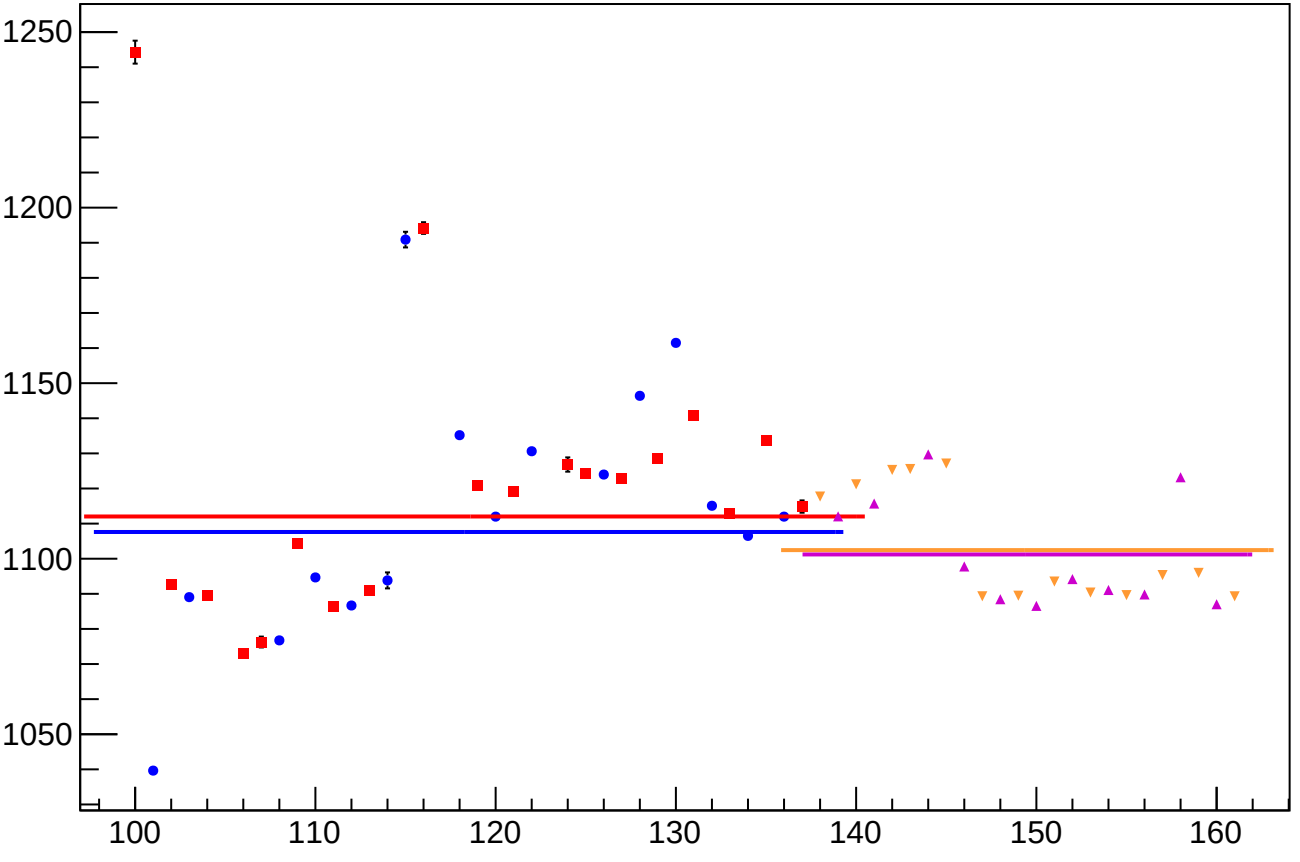
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

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

Out: 2053.884+/-261.604 χ^2/NDF:23.3/31

All: 2310.766+/-187.655 χ^2/NDF: 52.1/58

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1102.450+/-0.242 χ^2/NDF:3986.4/12

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

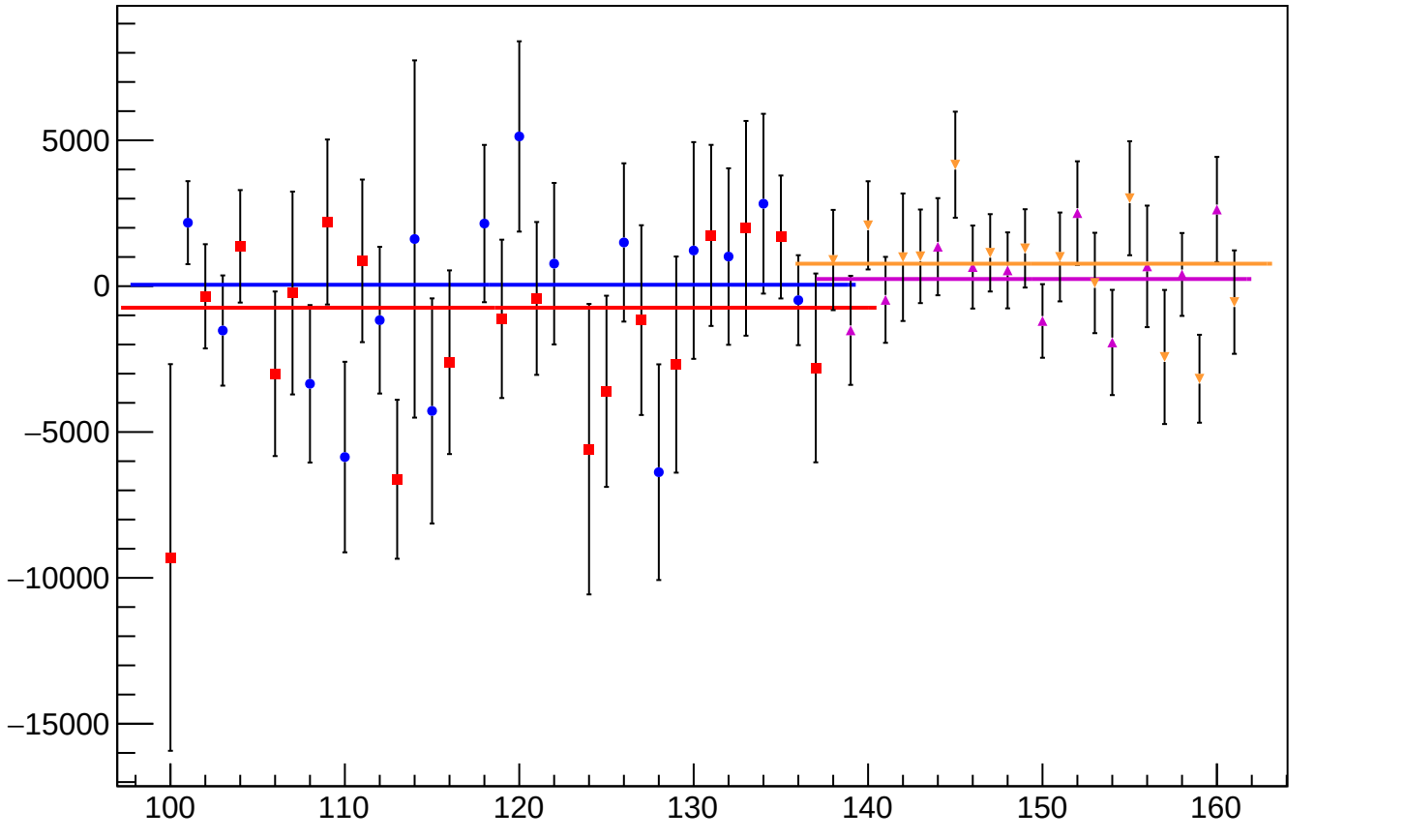
Left: 1101.858+/-0.175 χ^2/NDF: 7542.9/23

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

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

Out: 1106.435+/-0.185 χ^2/NDF:13291.3/31

All: 1105.232+/-0.133 χ^2/NDF: 30419.4/58



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 769.544+/-457.455 χ^2/NDF:15.3/12

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 245.008+/-472.630 χ^2/NDF:7.9/10

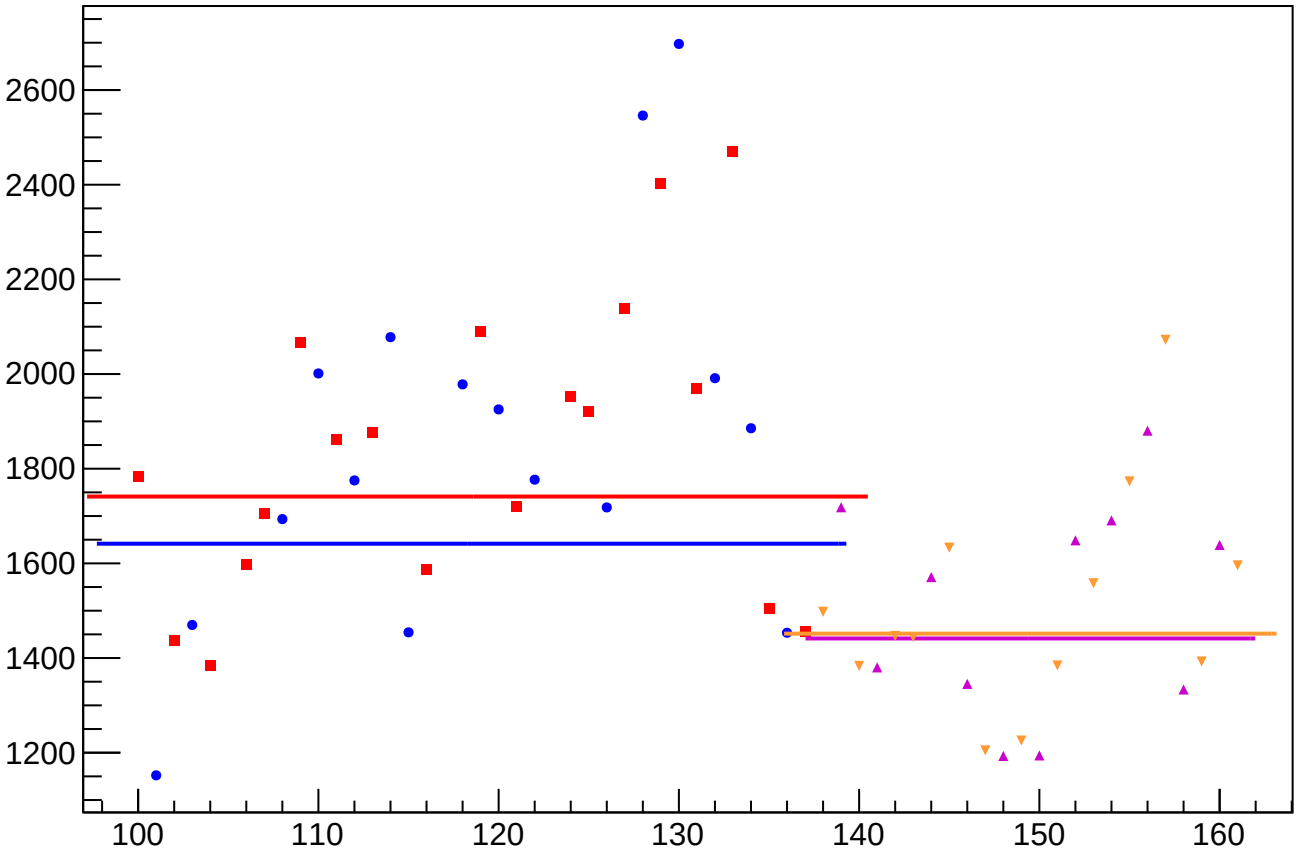
Left: 515.832+/-328.703 χ^2/NDF: 23.8/23

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

In: 173.712+/-377.646 χ^2/NDF:24.8/26

Out: 267.852+/-373.675 χ^2/NDF:33.9/31

All: 221.280+/-265.621 χ^2/NDF: 58.7/58



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1451.538+/-0.323 χ^2/NDF:379396.2/12

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

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

Left: 1446.599+/-0.232 χ^2/NDF: 787632.3/23

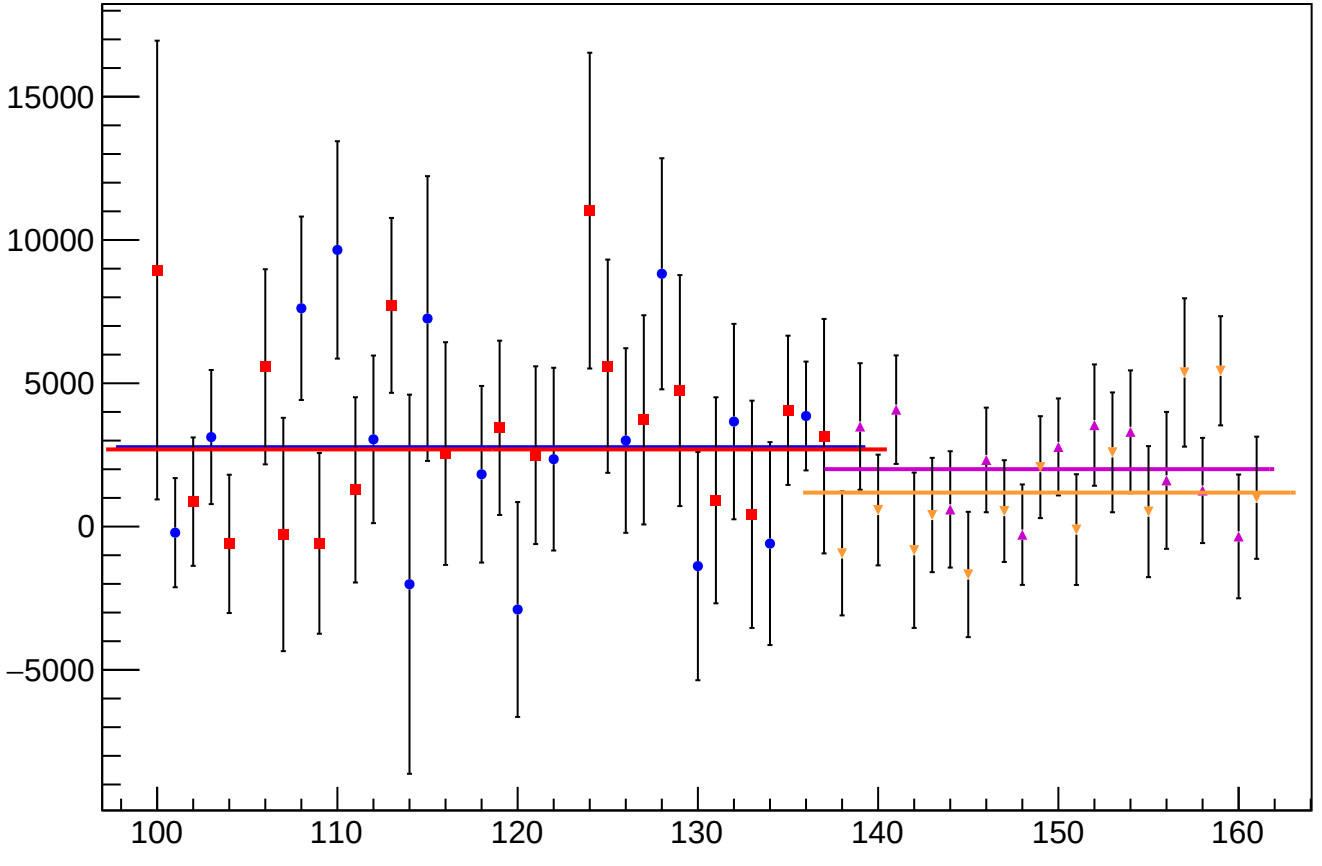
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

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

Out: 1547.922+/-0.264 χ^2/NDF:1084544.9/31

All: 1530.998+/-0.188 χ^2/NDF: 2331644.1/58

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1184.786+/-573.064 χ^2/NDF:12.4/12

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2003.798+/-594.502 χ^2/NDF:6.3/10

Left: 1579.259+/-412.588 χ^2/NDF: 19.8/23

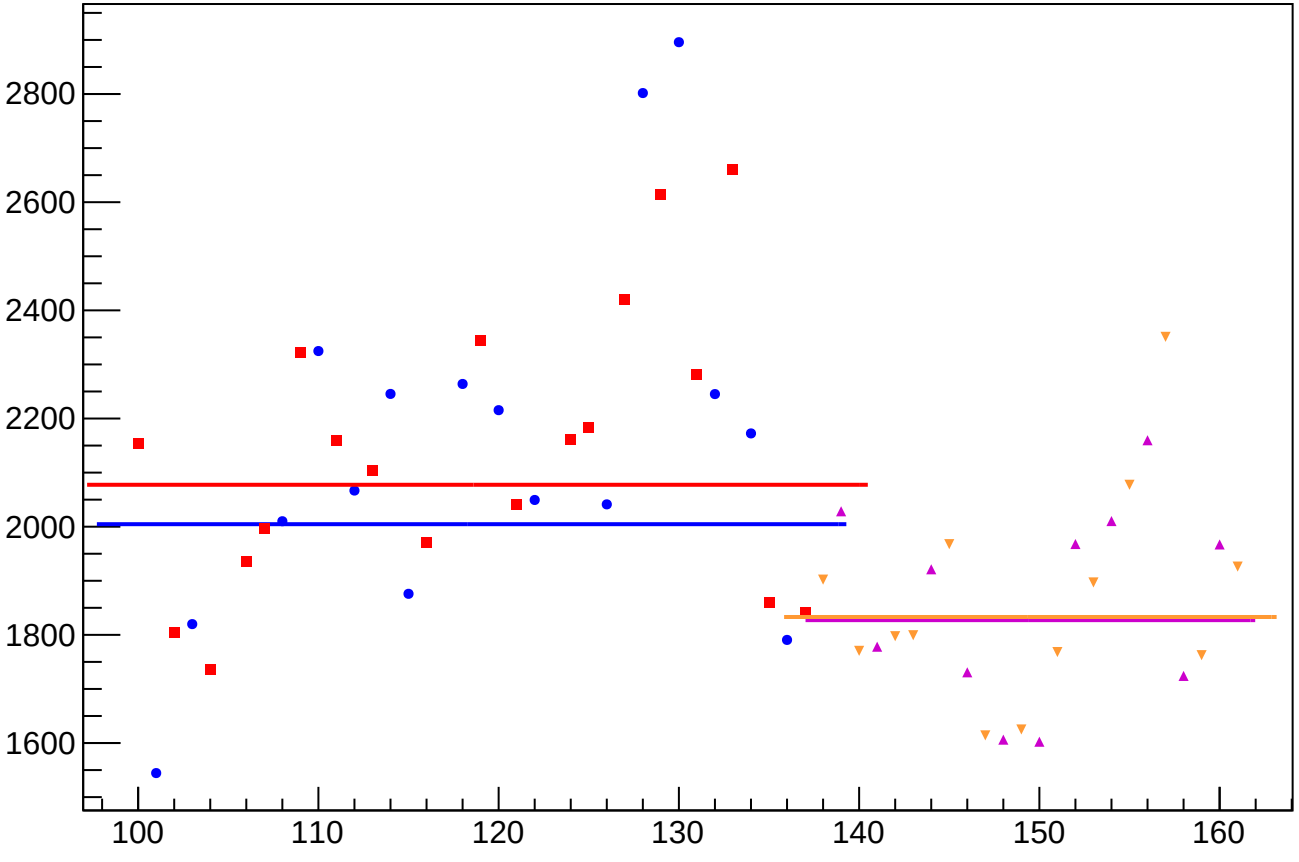
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

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

Out: 1726.093+/-458.811 χ^2/NDF:27.5/31

All: 2005.661+/-327.484 χ^2/NDF: 51.6/58

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1833.036+/-0.405 χ^2/NDF:184073.0/12

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

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

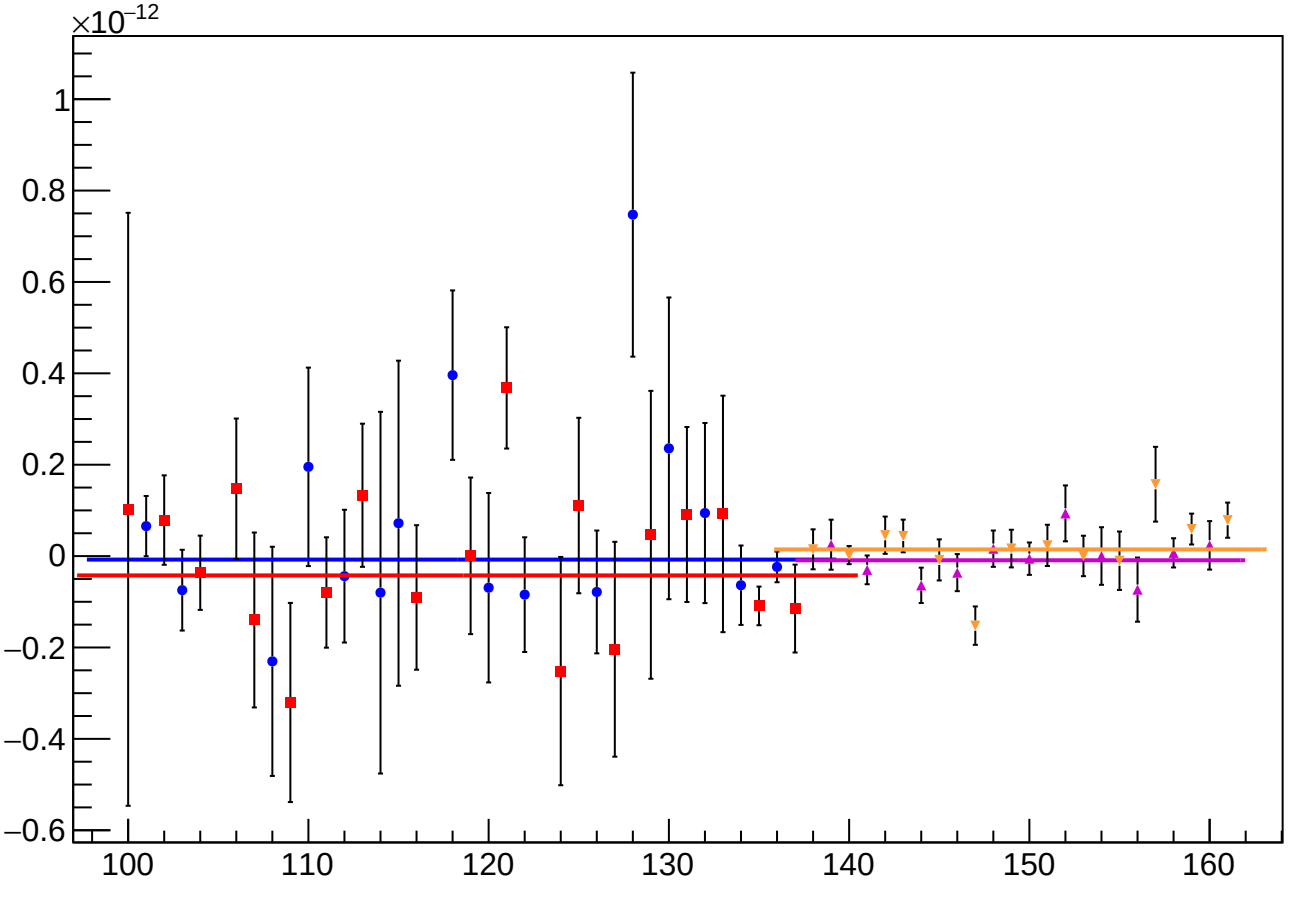
Left: 1830.236+/-0.292 χ^2/NDF: 356068.5/23

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

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

Out: 1920.797+/-0.324 χ^2/NDF:545215.8/31

All: 1908.089+/-0.232 χ^2/NDF: 1175740.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/10

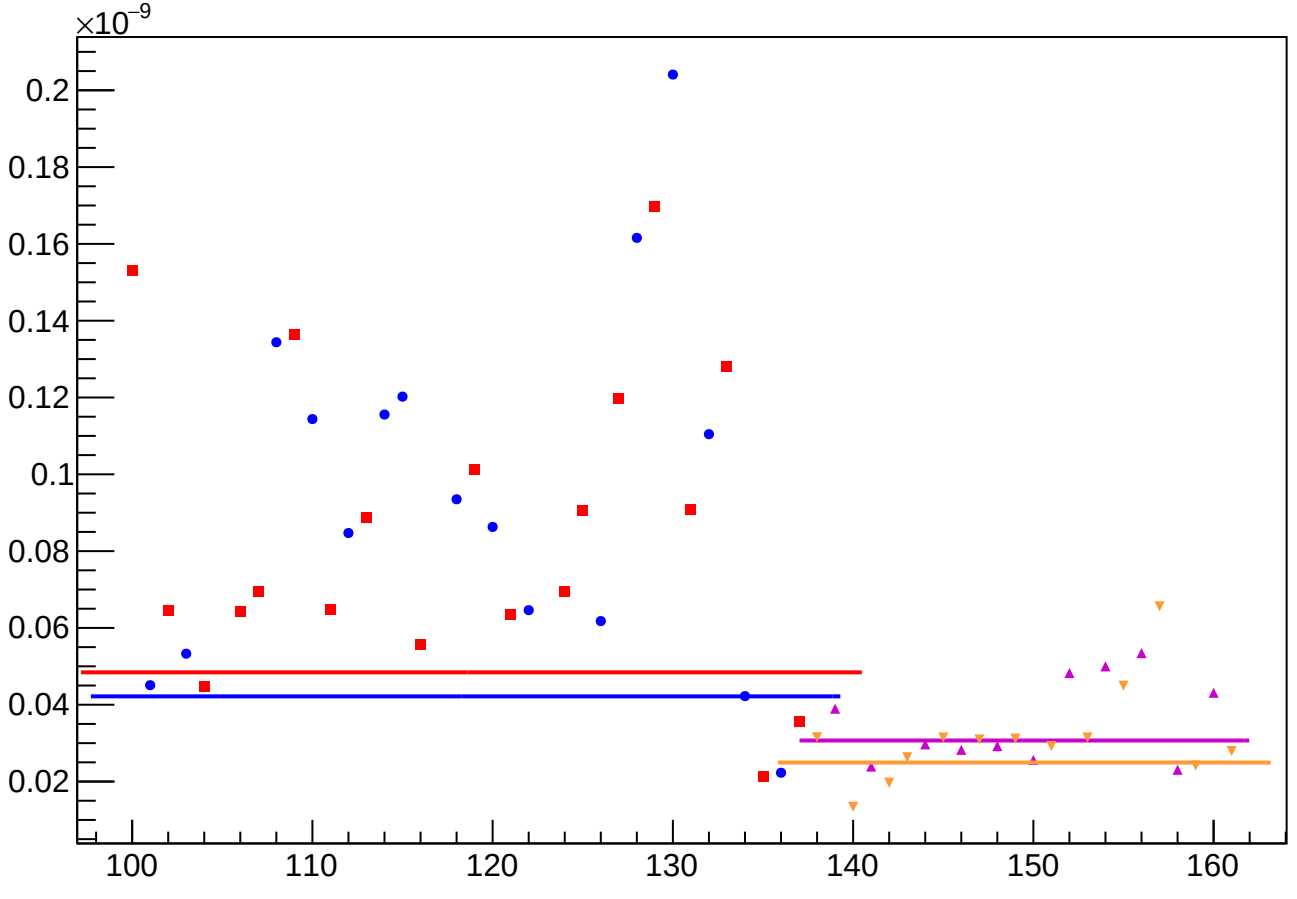
Left: 0.000+/-0.000 χ^2/NDF: 35.6/23

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

In: -0.000+/-0.000 χ^2/NDF:24.5/26

Out: 0.000+/-0.000 χ^2/NDF:51.1/31

All: 0.000+/-0.000 χ^2/NDF: 76.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1649928.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:976815.4/10

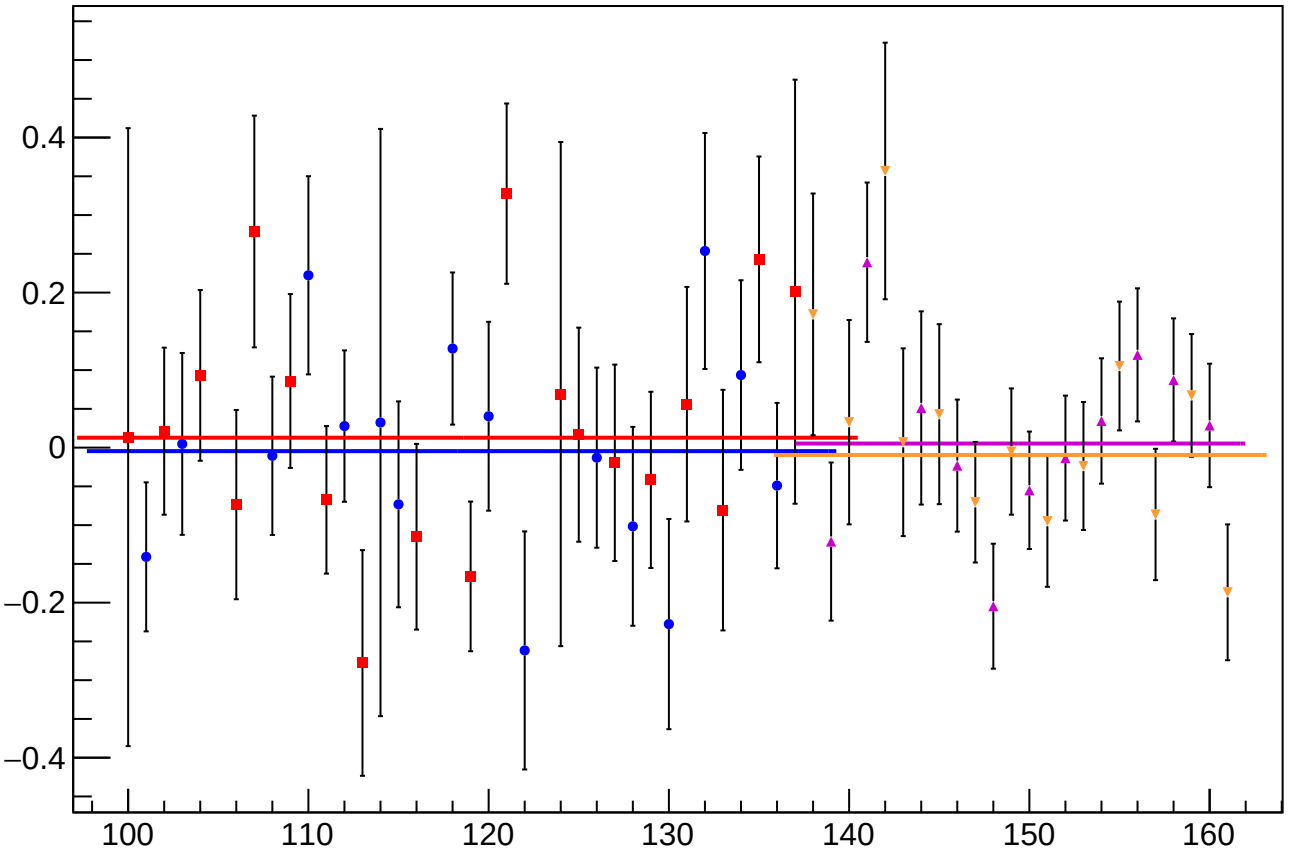
Left: 0.000+/-0.000 χ^2/NDF: 2866576.7/23

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

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

Out: 0.000+/-0.000 χ^2/NDF:5567426.4/31

All: 0.000+/-0.000 χ^2/NDF: 10065041.1/58



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.005+/-0.026 χ^2/NDF:17.5/10

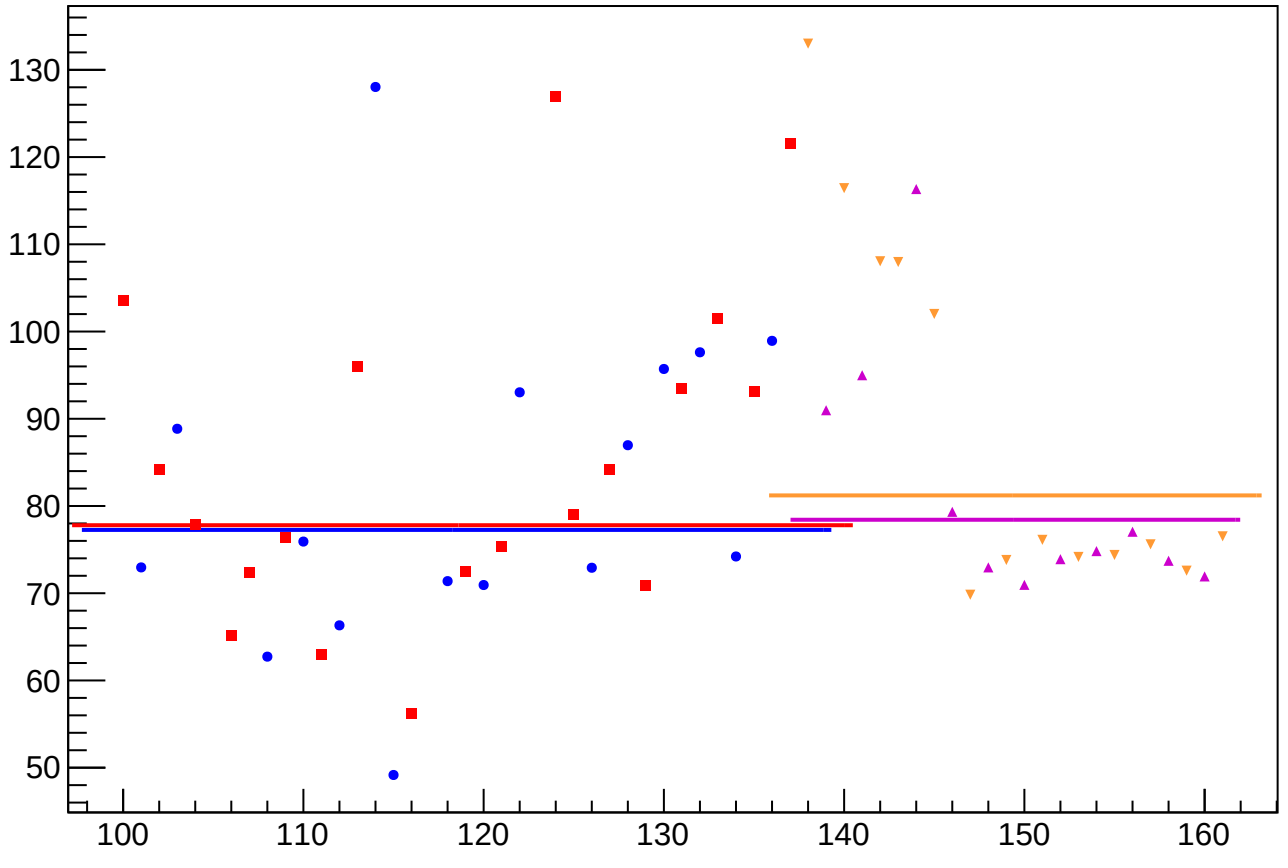
Left: -0.002+/-0.018 χ^2/NDF: 33.7/23

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.020 χ^2/NDF:34.8/26

Out: 0.000+/-0.020 χ^2/NDF:41.8/31

All: 0.001+/-0.014 χ^2/NDF: 76.6/58



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.214+/-0.019 χ^2/NDF:711008.3/12

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

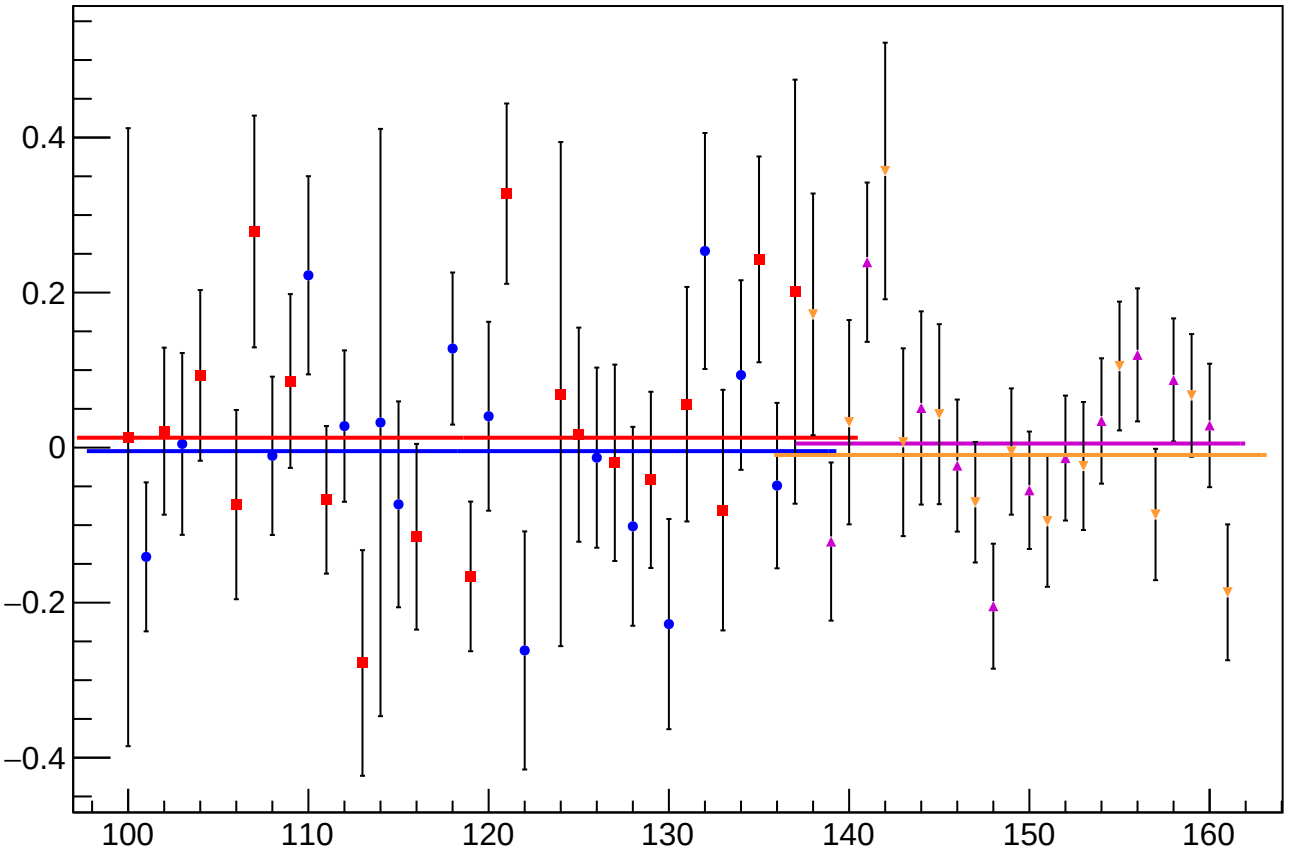
Left: 79.806+/-0.013 χ^2/NDF: 1049685.7/23

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

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

Out: 79.718+/-0.014 χ^2/NDF:1122355.5/31

All: 78.821+/-0.010 χ^2/NDF: 1878930.5/58



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.005+/-0.026 χ^2/NDF:17.5/10

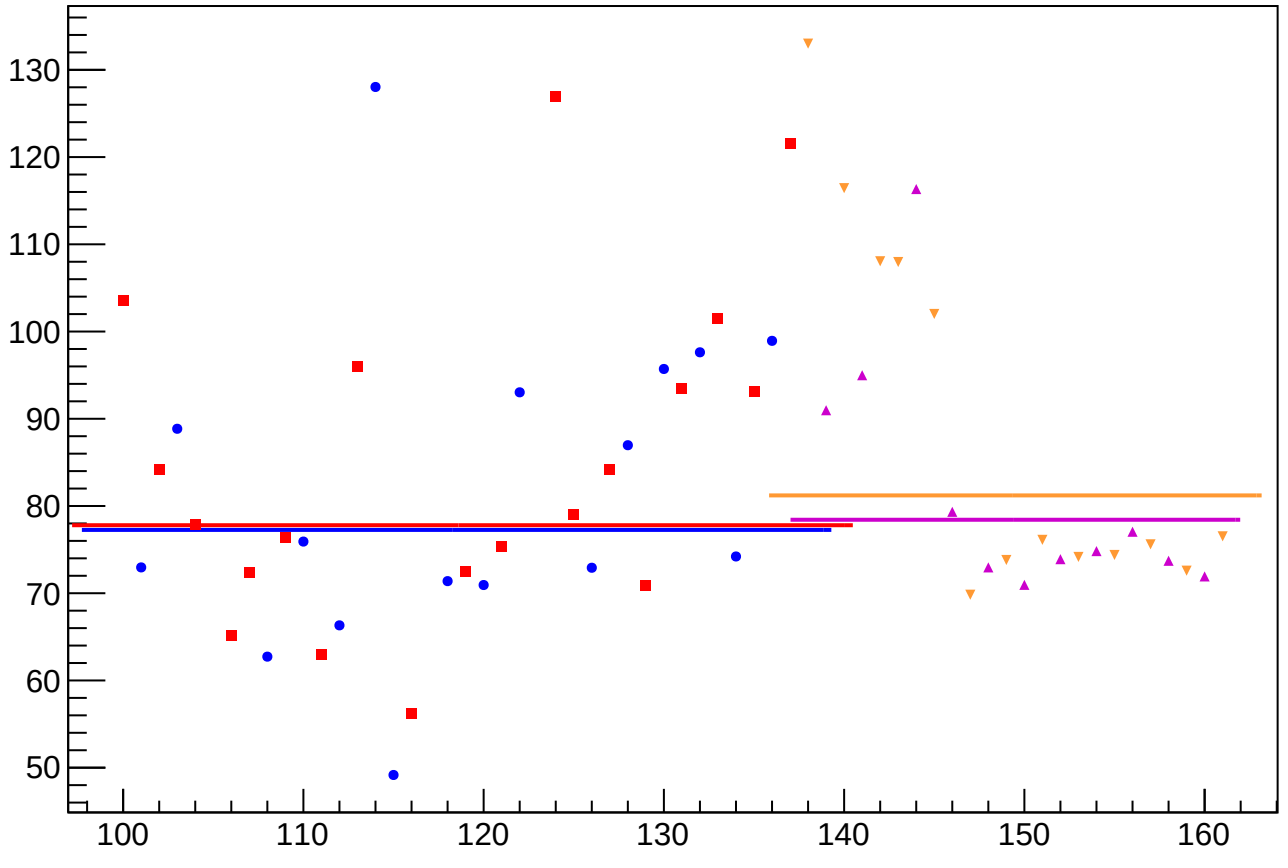
Left: -0.002+/-0.018 χ^2/NDF: 33.7/23

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.020 χ^2/NDF:34.8/26

Out: 0.000+/-0.020 χ^2/NDF:41.8/31

All: 0.001+/-0.014 χ^2/NDF: 76.6/58



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.214+/-0.019 χ^2/NDF:711008.3/12

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

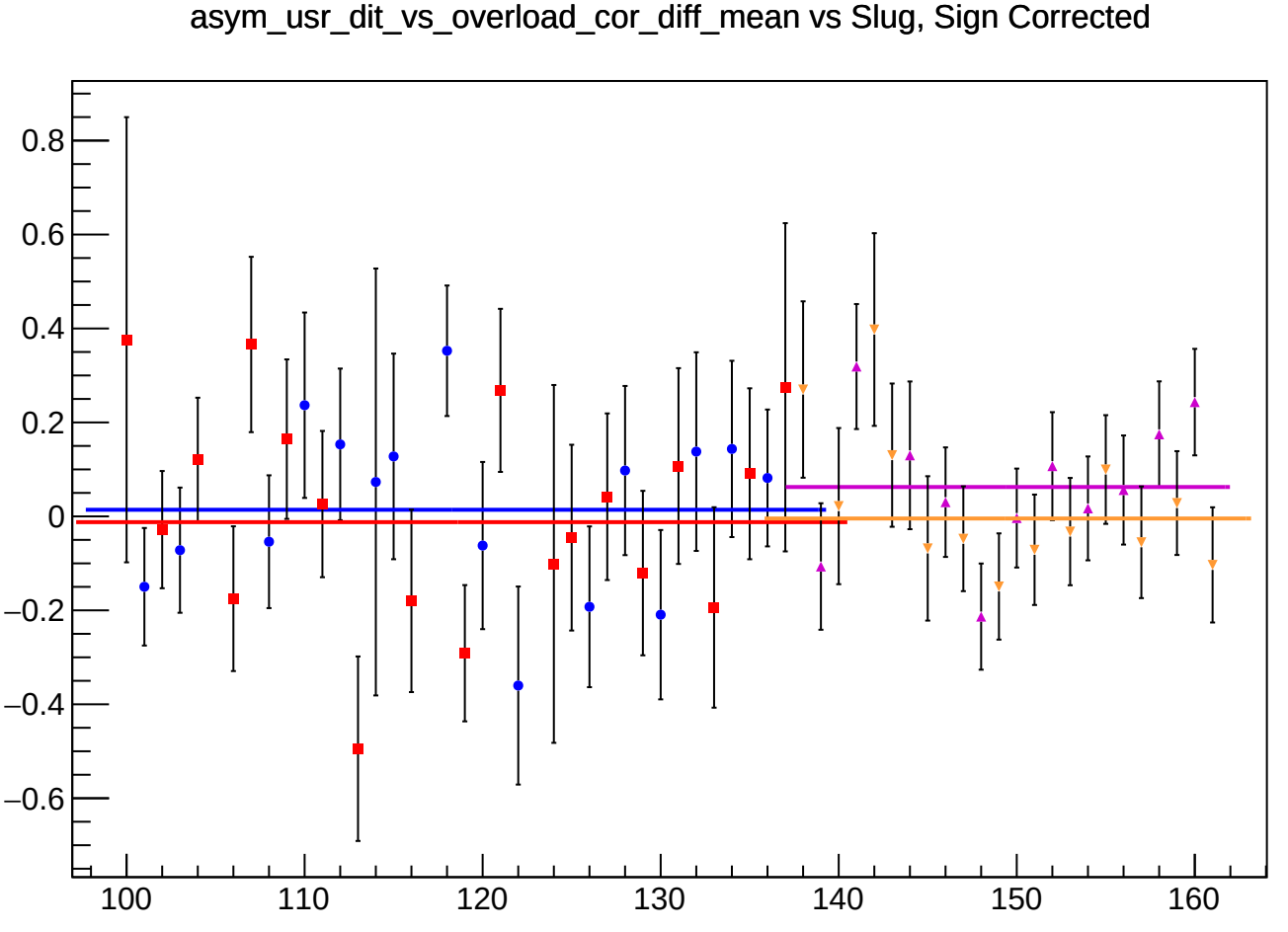
Left: 79.806+/-0.013 χ^2/NDF: 1049685.7/23

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

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

Out: 79.718+/-0.014 χ^2/NDF:1122355.5/31

All: 78.821+/-0.010 χ^2/NDF: 1878930.5/58



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.036 χ^2/NDF:10.9/12

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.063+/-0.036 χ^2/NDF:15.8/10

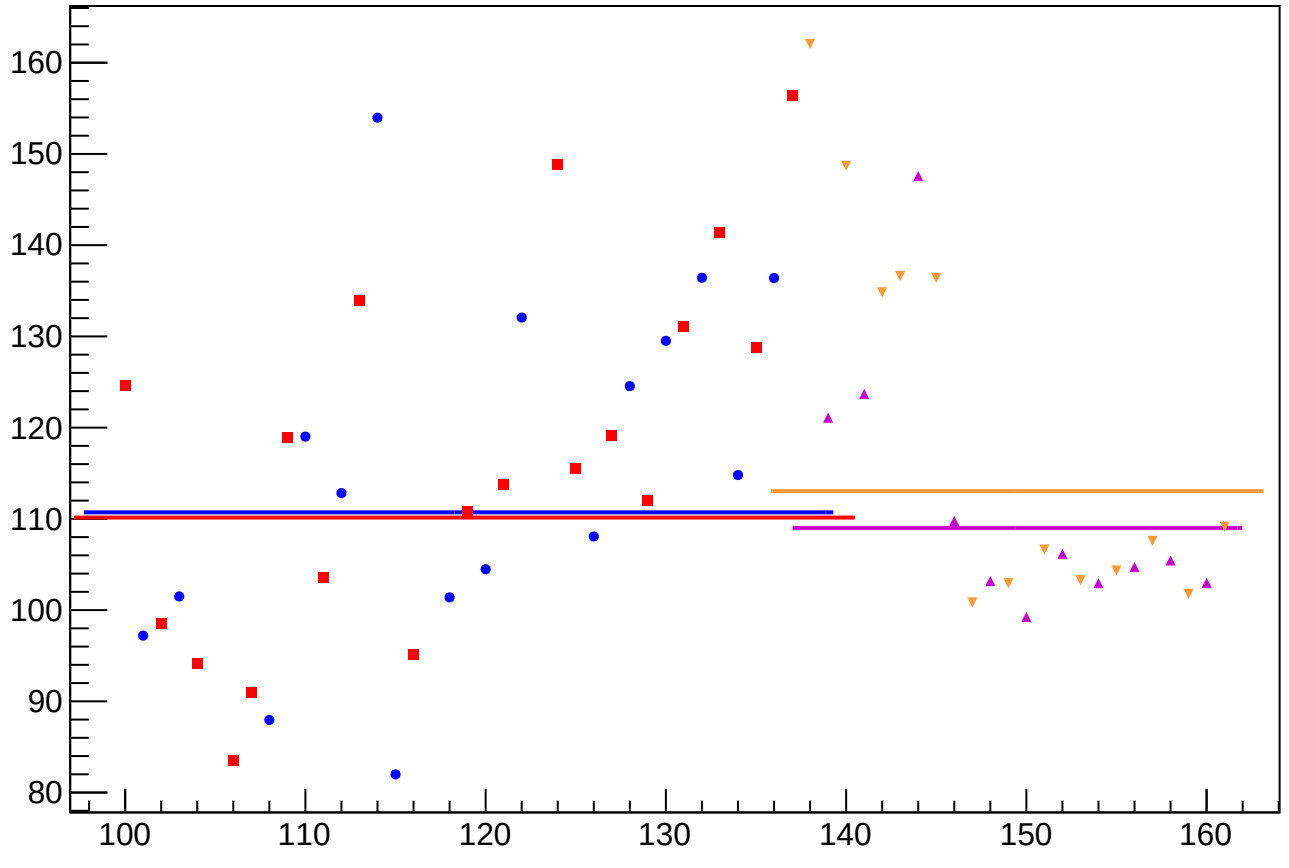
Left: 0.029+/-0.025 χ^2/NDF: 28.4/23

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.042+/-0.027 χ^2/NDF:34.7/26

Out: -0.008+/-0.027 χ^2/NDF:34.6/31

All: 0.017+/-0.019 χ^2/NDF: 71.0/58



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.045+/-0.025 χ^2/NDF:443813.1/12

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.007+/-0.025 χ^2/NDF:201018.4/10

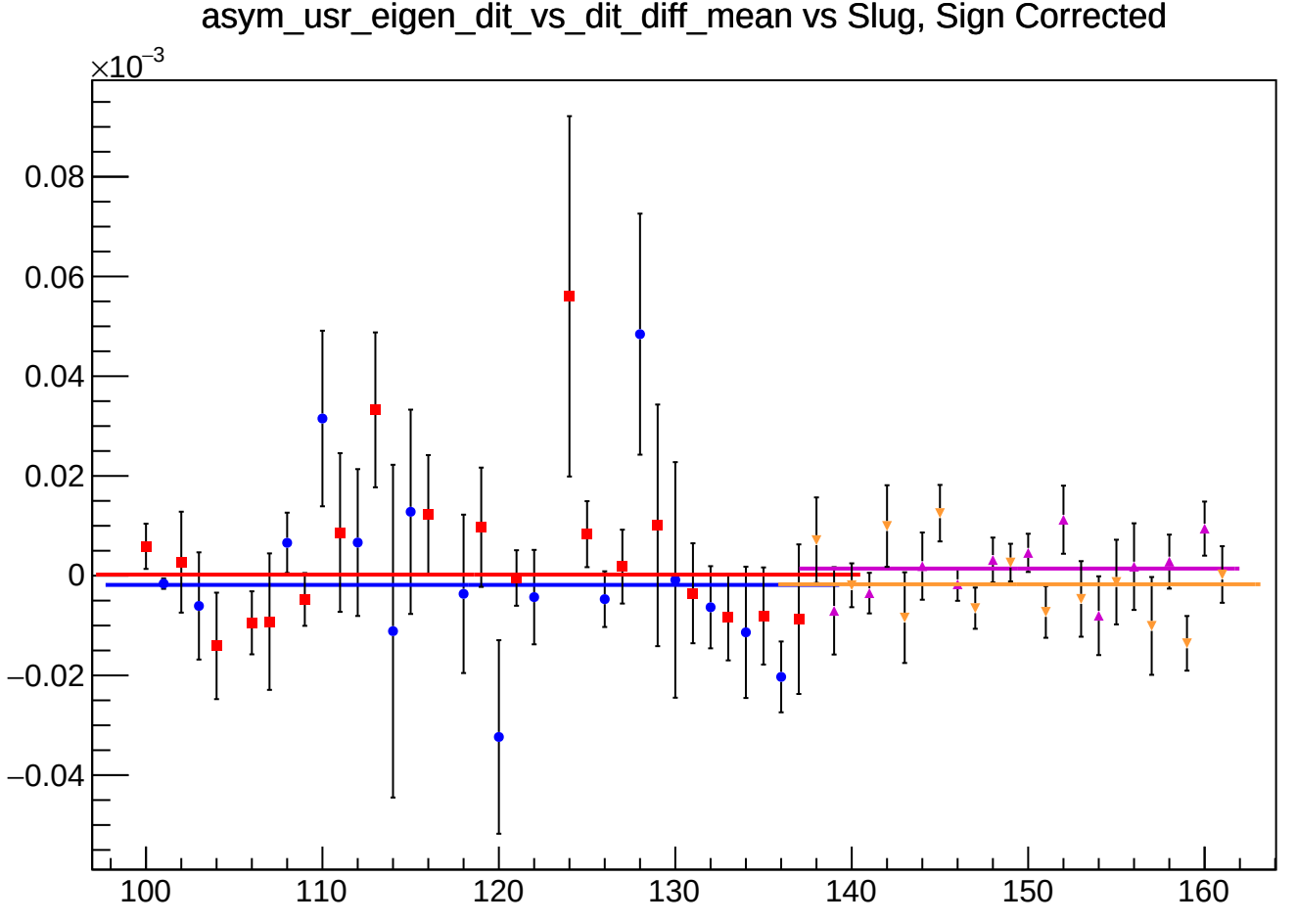
Left: 111.017+/-0.018 χ^2/NDF: 657532.5/23

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

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

Out: 111.797+/-0.019 χ^2/NDF:776154.7/31

All: 110.765+/-0.014 χ^2/NDF: 1284883.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

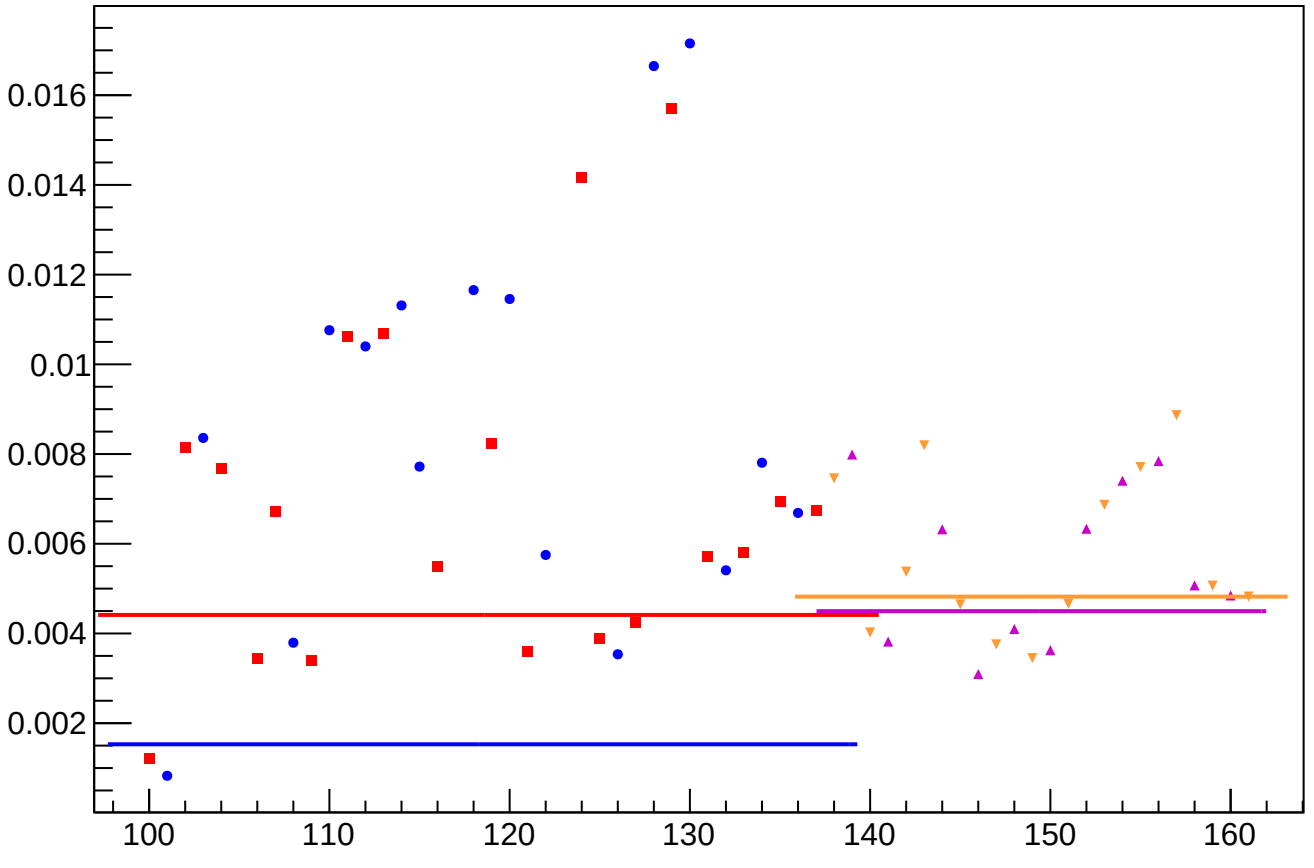
Left: -0.000+/-0.000 χ^2/NDF: 31.4/23

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

In: -0.000+/-0.000 χ^2/NDF:34.5/26

Out: -0.000+/-0.000 χ^2/NDF:39.9/31

All: -0.000+/-0.000 χ^2/NDF: 74.4/58



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1660699.0/12

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1740175.9/10

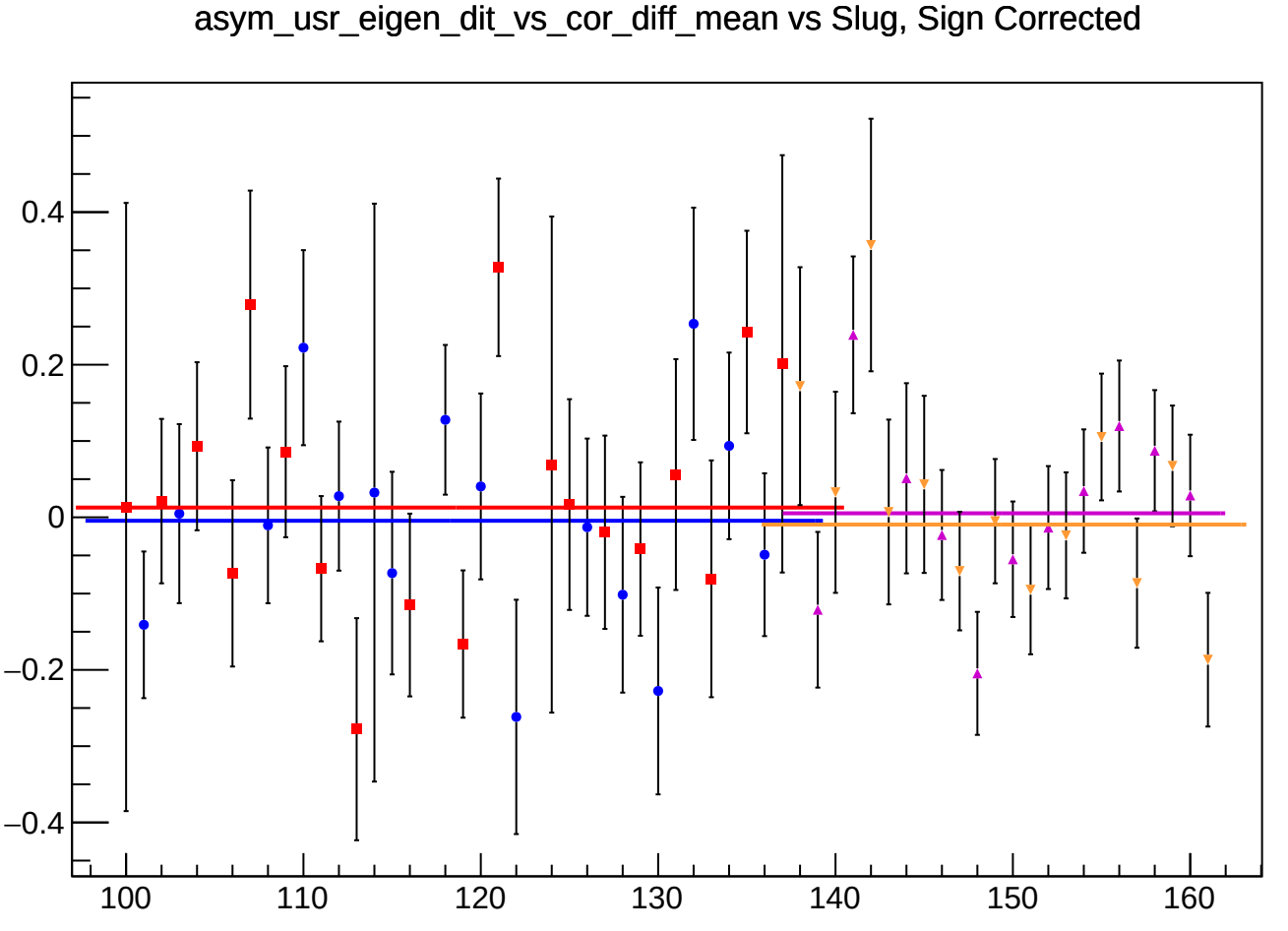
Left: 0.005+/-0.000 χ^2/NDF: 3443542.8/23

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

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

Out: 0.005+/-0.000 χ^2/NDF:5101977.5/31

All: 0.003+/-0.000 χ^2/NDF: 26148023.8/58



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.005+/-0.026 χ^2/NDF:17.5/10

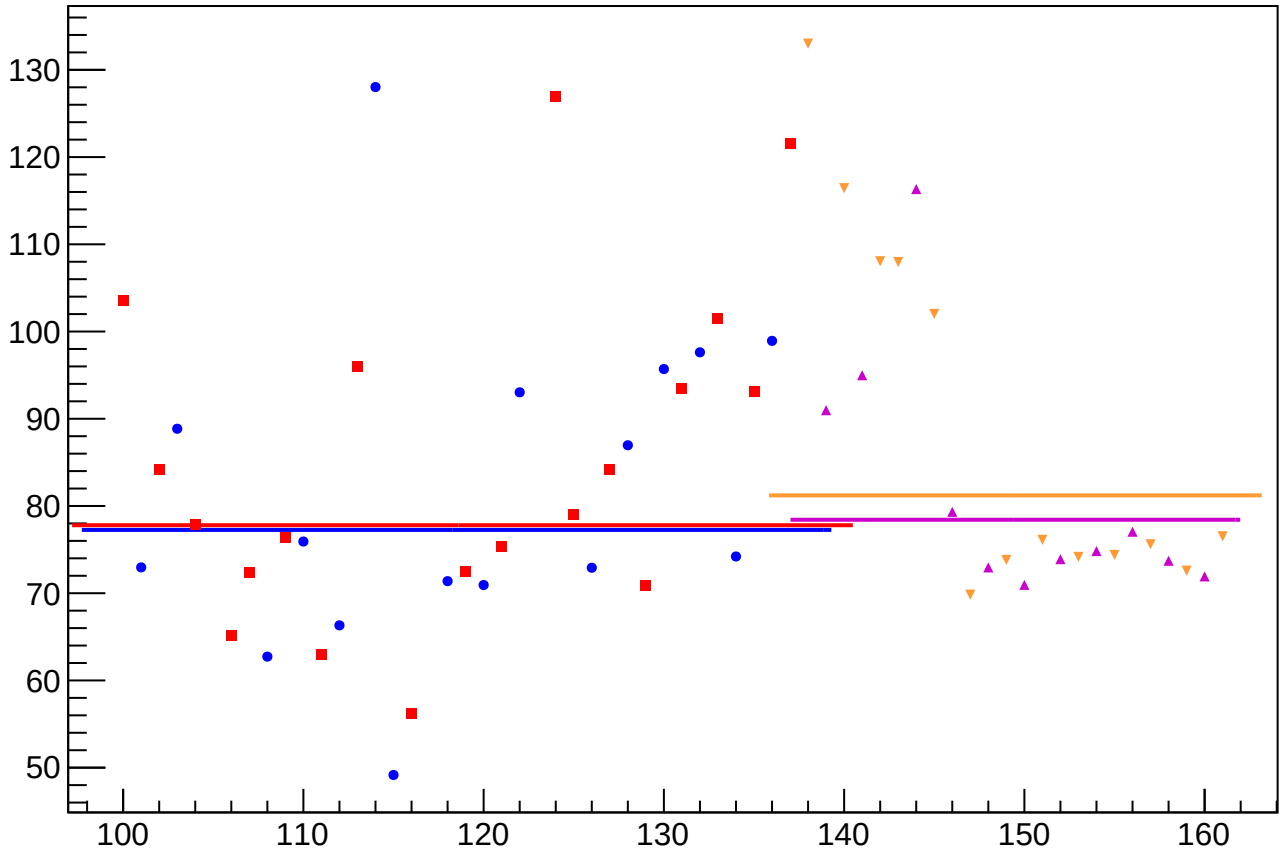
Left: -0.002+/-0.018 χ^2/NDF: 33.7/23

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.020 χ^2/NDF:34.8/26

Out: 0.000+/-0.020 χ^2/NDF:41.8/31

All: 0.001+/-0.014 χ^2/NDF: 76.6/58



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.215+/-0.019 χ^2/NDF:711005.9/12

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 78.423+/-0.018 χ^2/NDF:327250.4/10

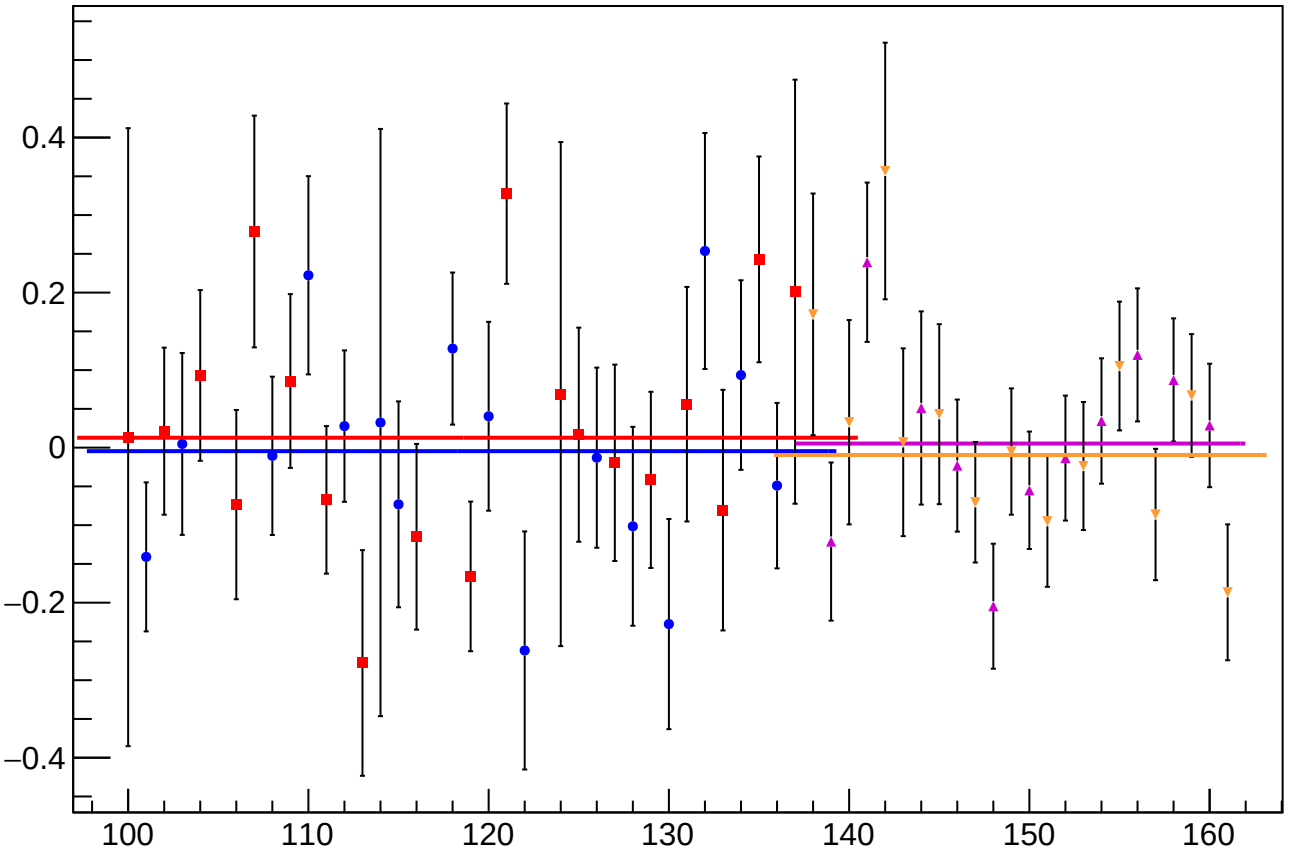
Left: 79.806+/-0.013 χ^2/NDF: 1049689.1/23

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

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

Out: 79.718+/-0.014 χ^2/NDF:1122368.3/31

All: 78.821+/-0.010 χ^2/NDF: 1878940.4/58



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.005+/-0.026 χ^2/NDF:17.5/10

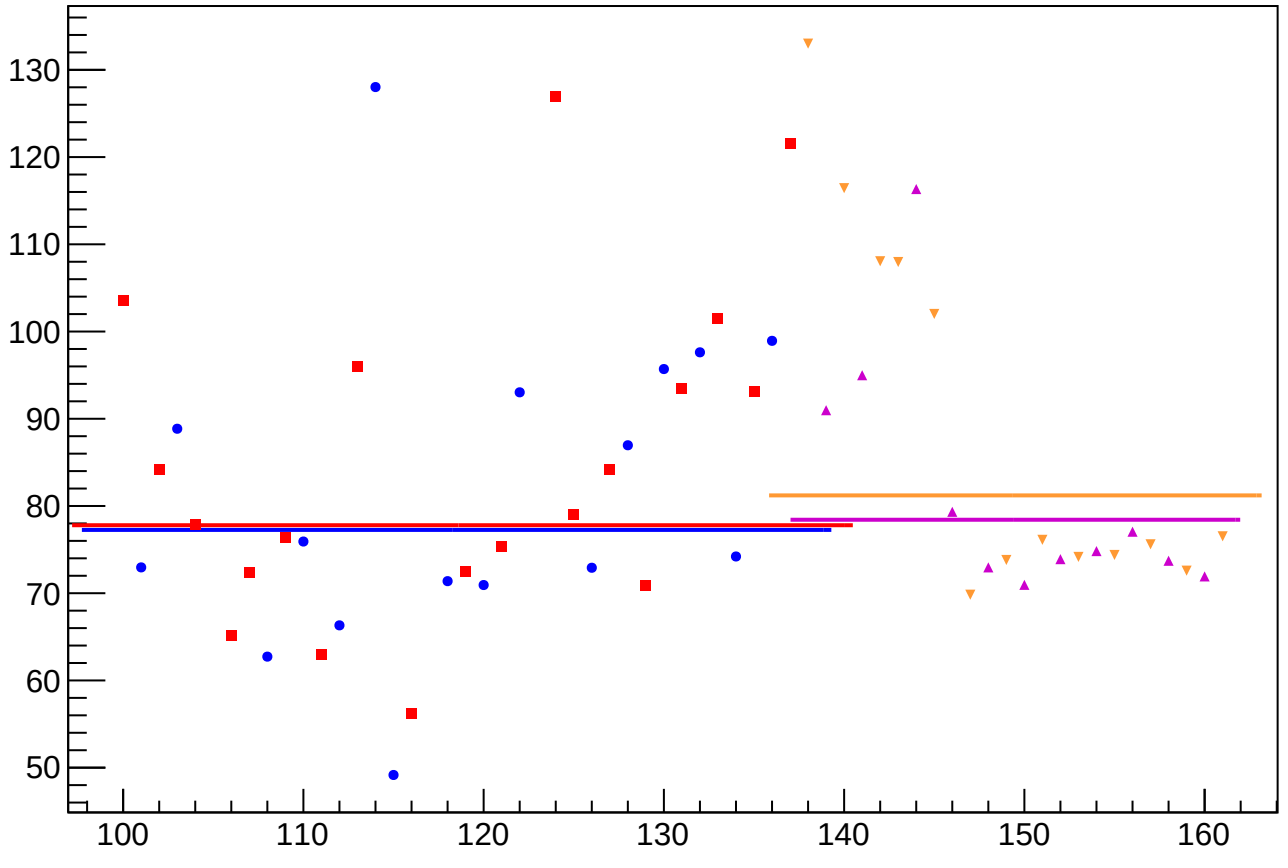
Left: -0.002+/-0.018 χ^2/NDF: 33.7/23

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.001+/-0.020 χ^2/NDF:34.8/26

Out: 0.000+/-0.020 χ^2/NDF:41.8/31

All: 0.001+/-0.014 χ^2/NDF: 76.6/58



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.215+/-0.019 χ^2/NDF:711005.9/12

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 78.423+/-0.018 χ^2/NDF:327250.4/10

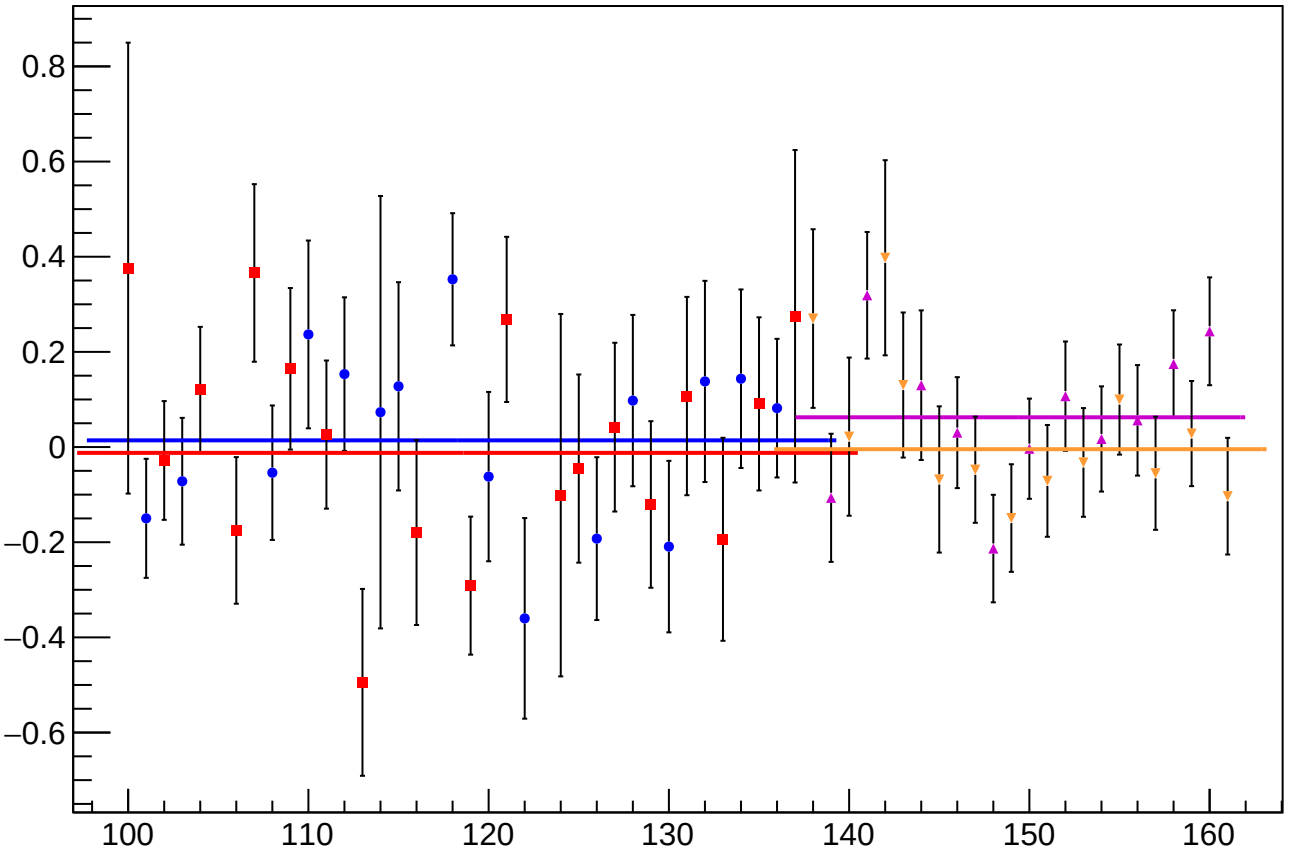
Left: 79.806+/-0.013 χ^2/NDF: 1049689.1/23

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

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

Out: 79.718+/-0.014 χ^2/NDF:1122368.3/31

All: 78.821+/-0.010 χ^2/NDF: 1878940.4/58



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.036 χ^2/NDF:10.9/12

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.063+/-0.036 χ^2/NDF:15.8/10

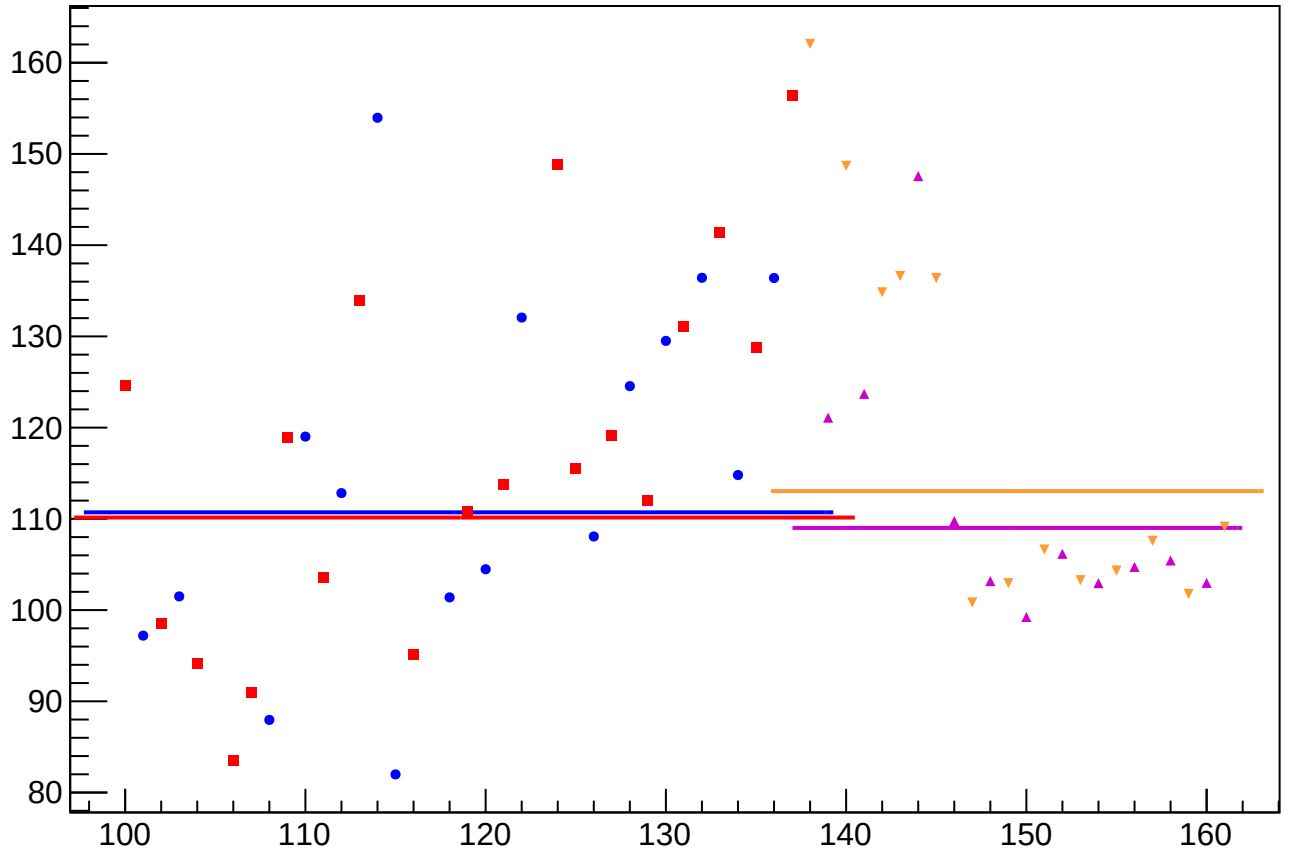
Left: 0.029+/-0.025 χ^2/NDF: 28.4/23

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.042+/-0.027 χ^2/NDF:34.7/26

Out: -0.008+/-0.027 χ^2/NDF:34.6/31

All: 0.017+/-0.019 χ^2/NDF: 71.0/58



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.046+/-0.025 χ^2/NDF:443810.8/12

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.007+/-0.025 χ^2/NDF:201021.3/10

Left: 111.017+/-0.018 χ^2/NDF: 657533.9/23

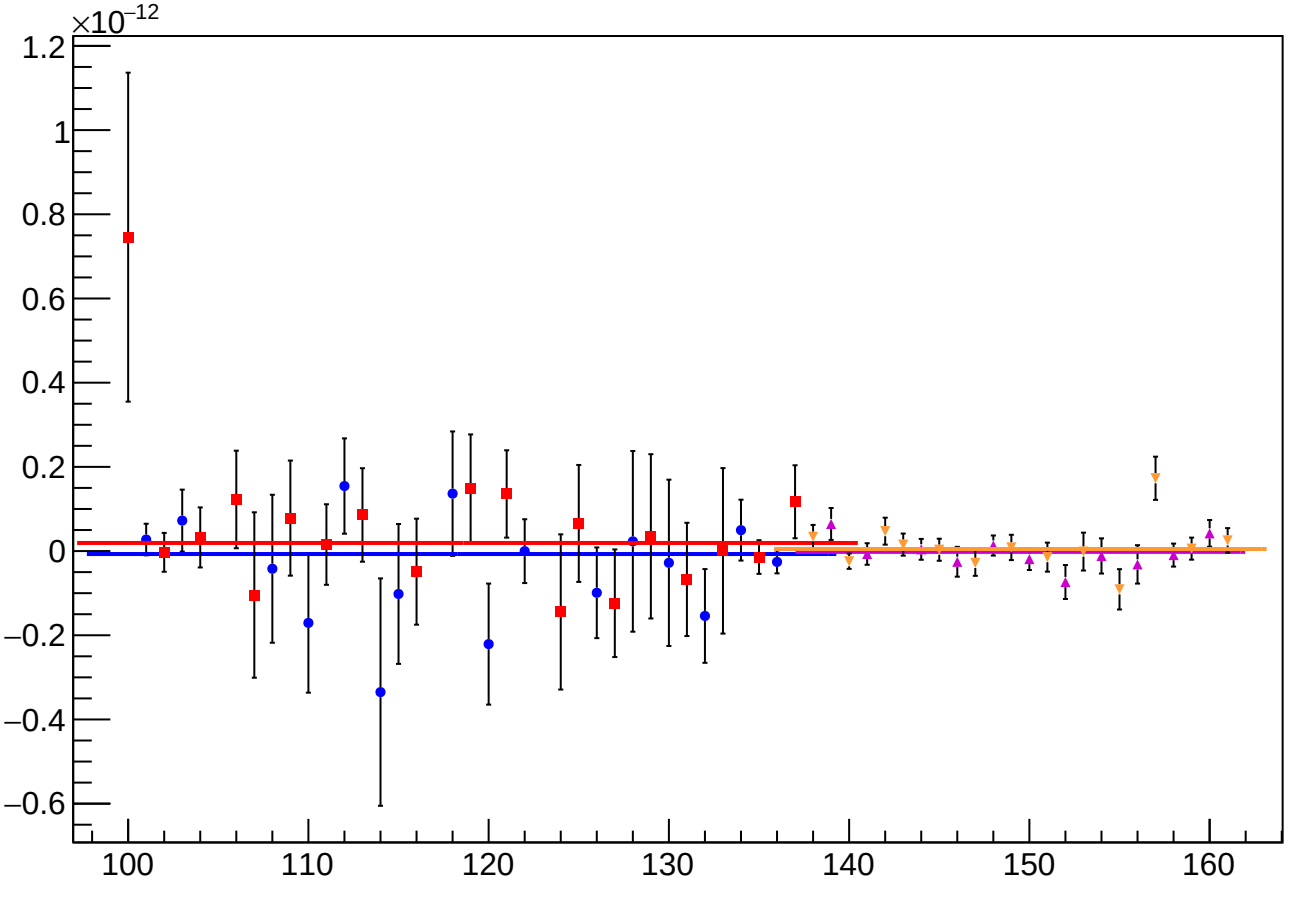
Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

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

Out: 111.797+/-0.019 χ^2/NDF:776127.1/31

All: 110.765+/-0.014 χ^2/NDF: 1284831.9/58

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/12

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

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

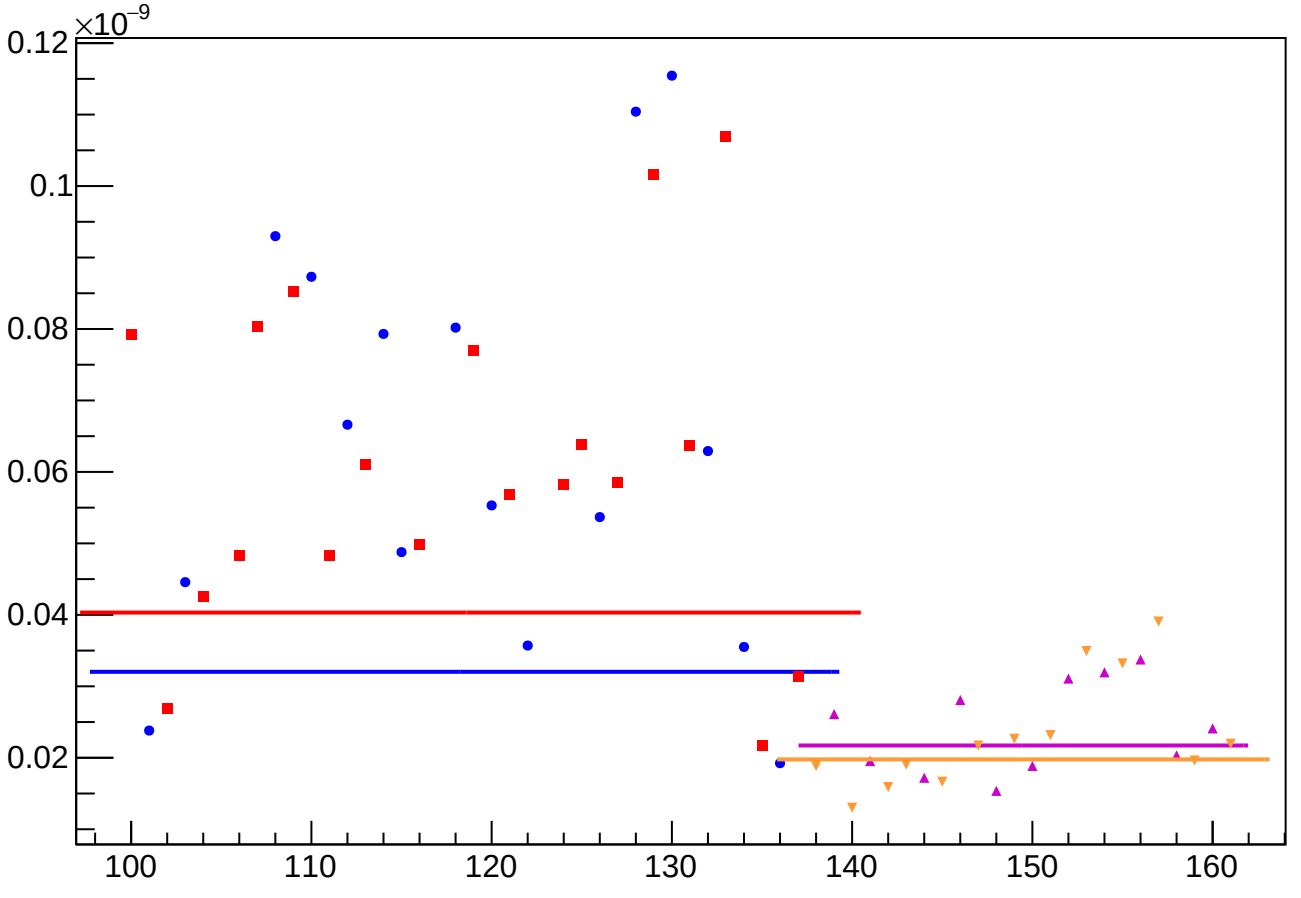
Left: 0.000+/-0.000 χ^2/NDF: 32.6/23

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:23.7/26

Out: 0.000+/-0.000 χ^2/NDF:35.3/31

All: 0.000+/-0.000 χ^2/NDF: 59.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1063309.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:721994.0/10

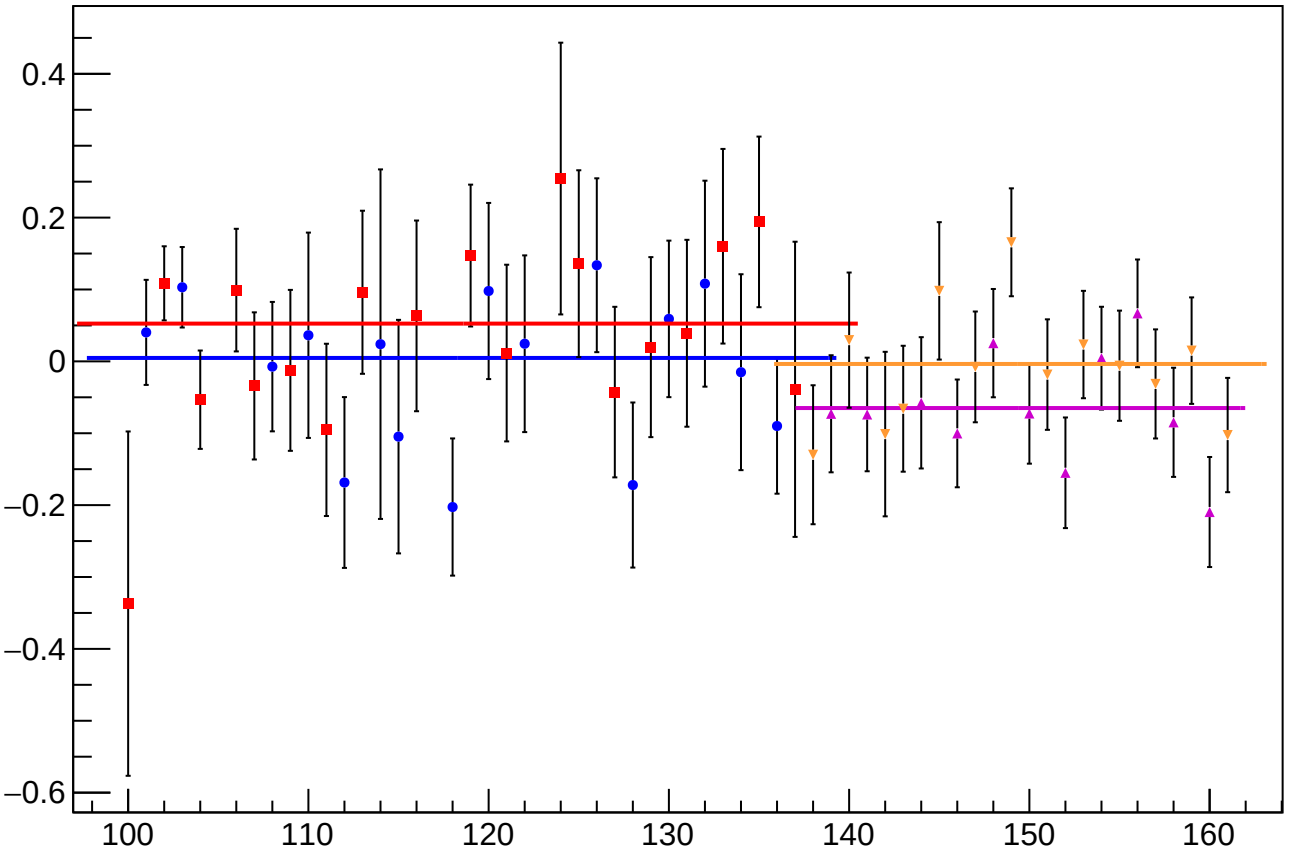
Left: 0.000+/-0.000 χ^2/NDF: 1835798.1/23

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

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

Out: 0.000+/-0.000 χ^2/NDF:4578675.1/31

All: 0.000+/-0.000 χ^2/NDF: 8317838.0/58



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.023 χ^2/NDF:11.2/12

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.065+/-0.023 χ^2/NDF:10.7/10

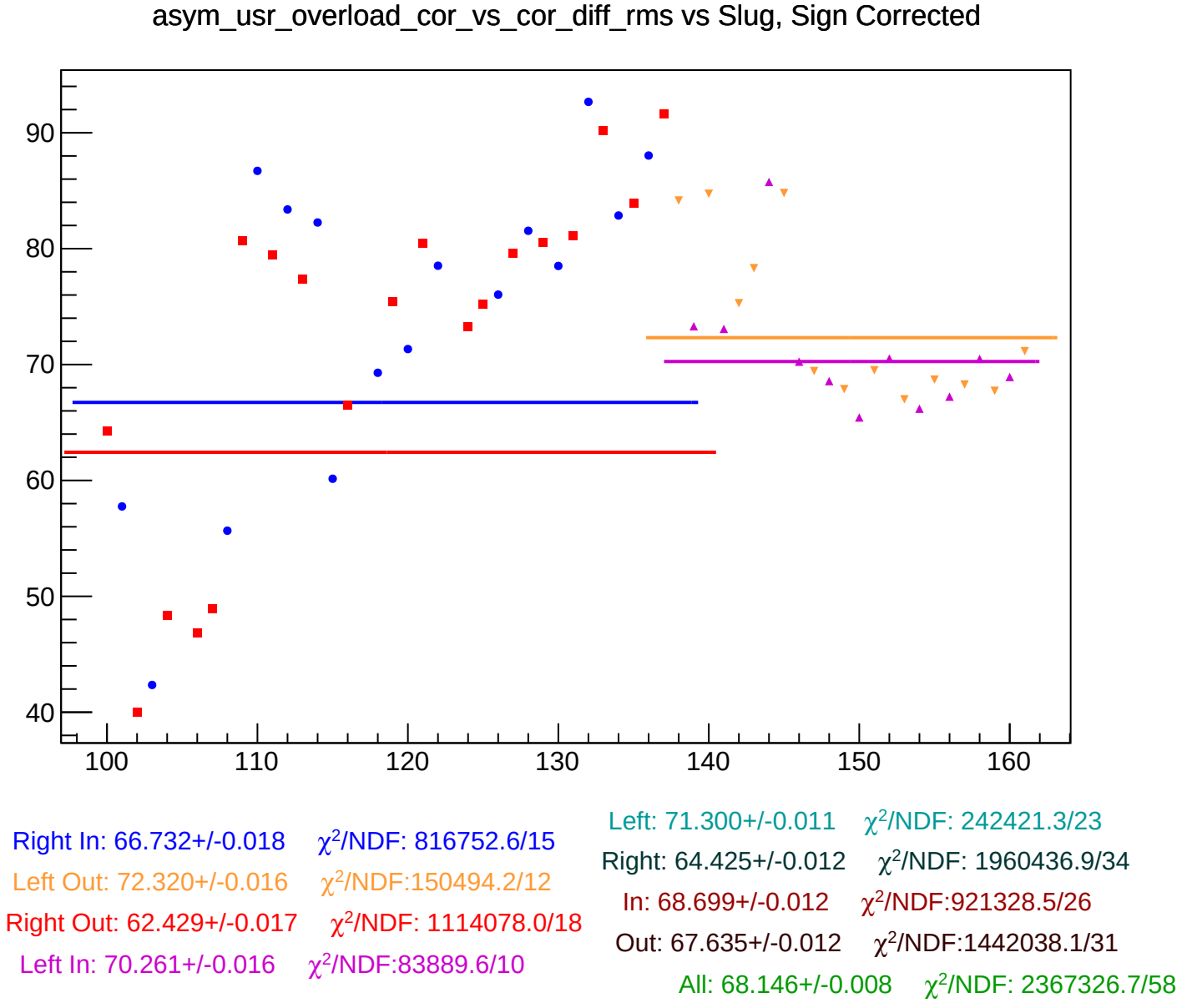
Left: -0.034+/-0.016 χ^2/NDF: 25.5/23

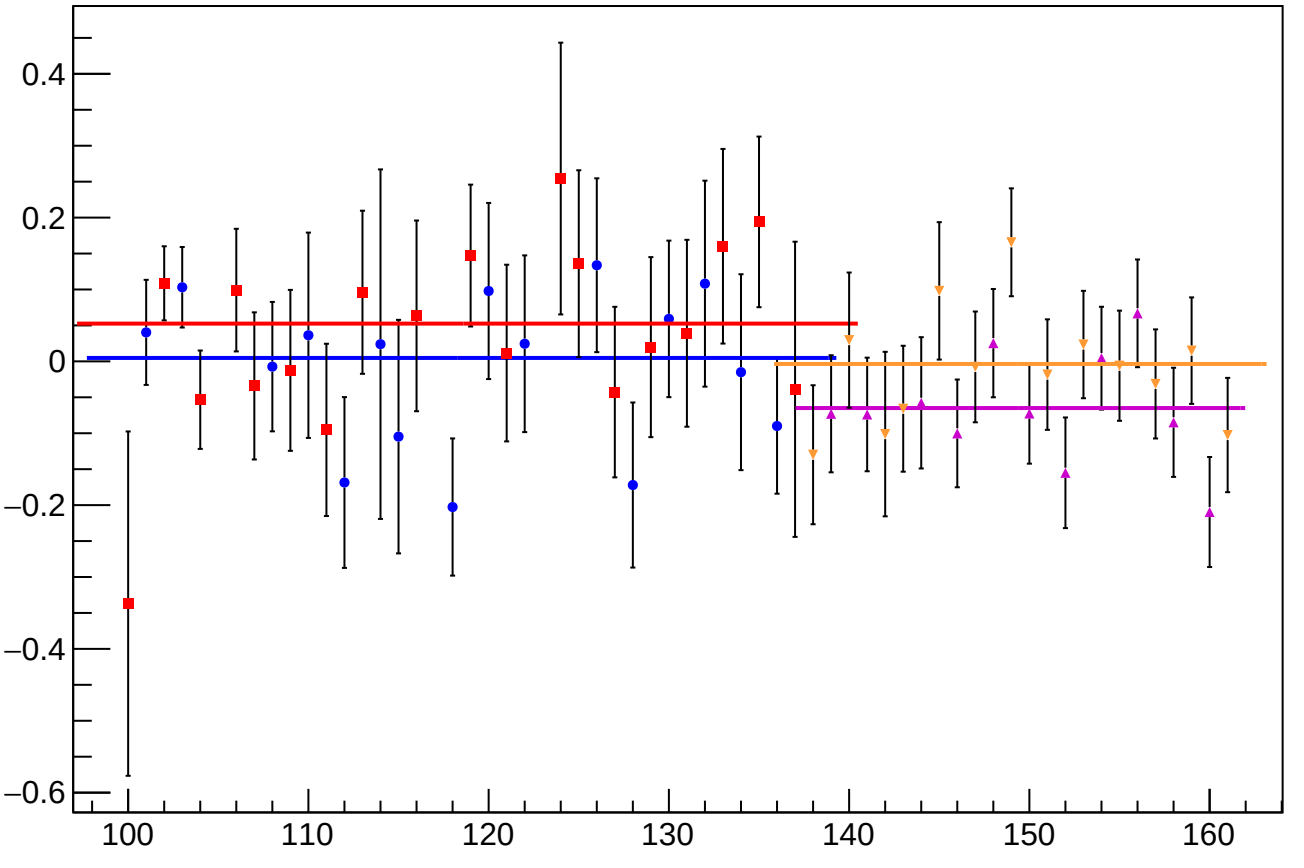
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.034+/-0.017 χ^2/NDF:31.4/26

Out: 0.023+/-0.017 χ^2/NDF:28.9/31

All: -0.004+/-0.012 χ^2/NDF: 65.9/58


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.320+/-0.016 χ²/NDF:150494.2/12
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.261+/-0.016 χ²/NDF:83889.6/10
Left: 71.300+/-0.011 χ²/NDF: 242421.3/23
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 68.699+/-0.012 χ²/NDF:921328.5/26
Out: 67.635+/-0.012 χ²/NDF:1442038.1/31
All: 68.146+/-0.008 χ²/NDF: 2367326.7/58



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.023 χ^2/NDF:11.2/12

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.065+/-0.023 χ^2/NDF:10.7/10

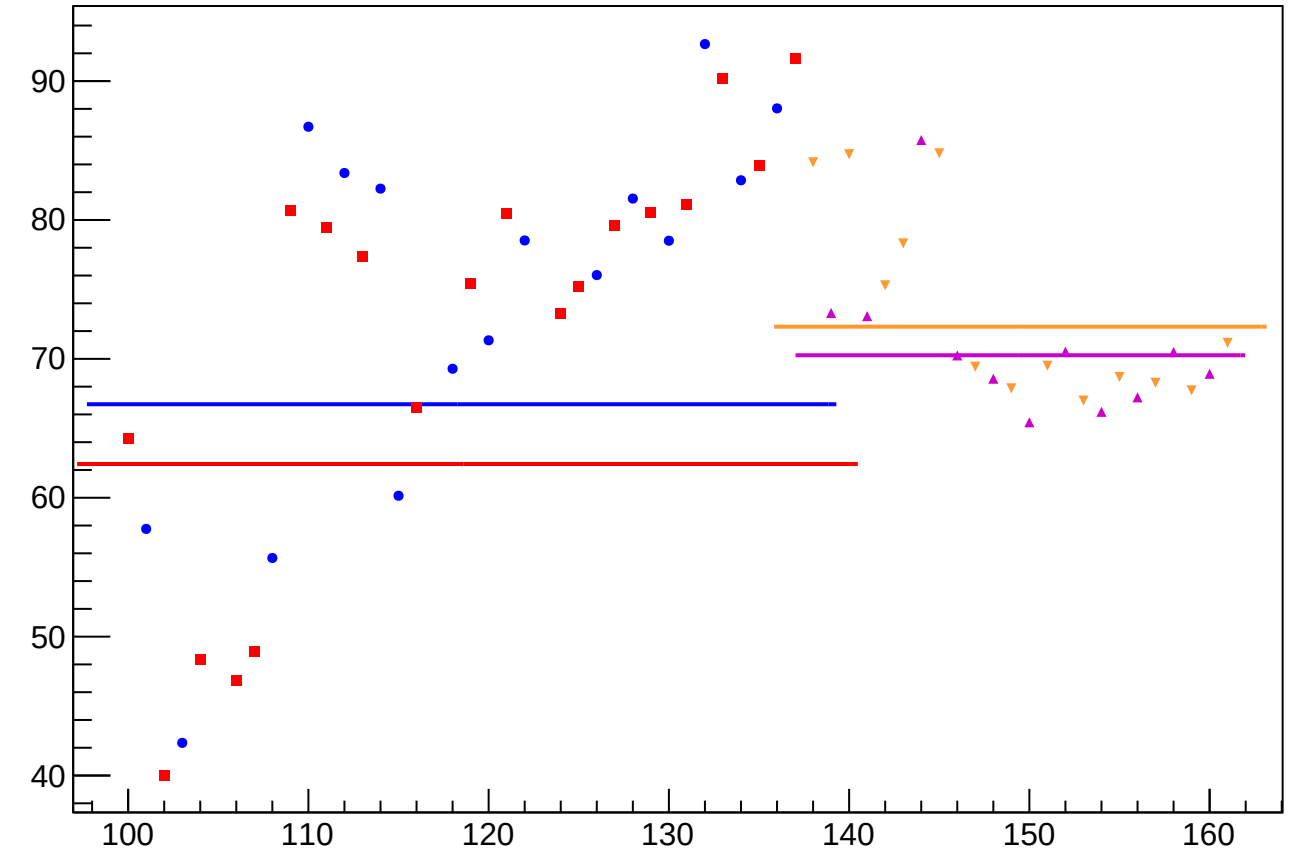
Left: -0.034+/-0.016 χ^2/NDF: 25.5/23

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.034+/-0.017 χ^2/NDF:31.4/26

Out: 0.023+/-0.017 χ^2/NDF:28.9/31

All: -0.004+/-0.012 χ^2/NDF: 65.9/58



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.320+/-0.016 χ^2/NDF:150494.2/12

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.261+/-0.016 χ^2/NDF:83889.6/10

Left: 71.300+/-0.011 χ^2/NDF: 242421.3/23

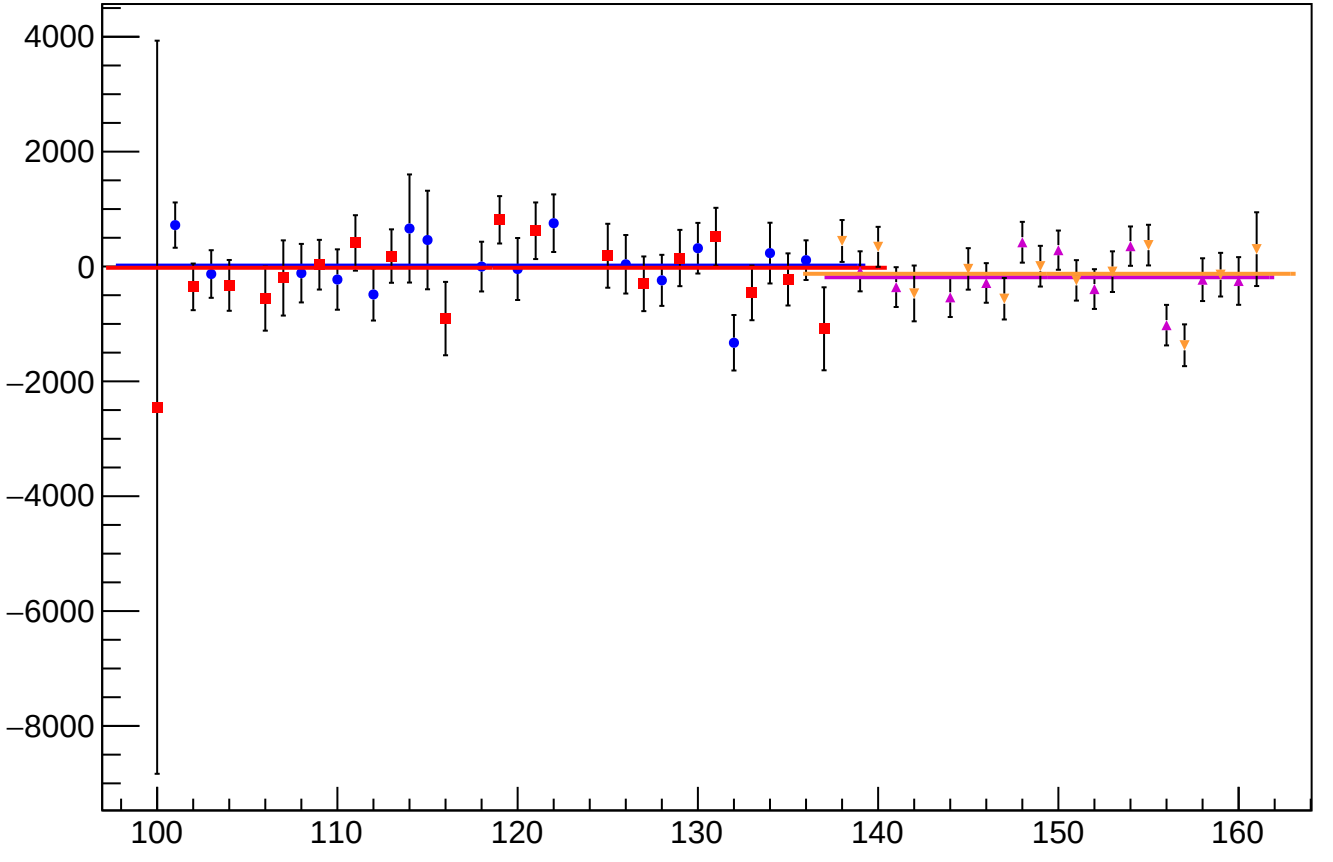
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

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

Out: 67.635+/-0.012 χ^2/NDF:1442038.1/31

All: 68.146+/-0.008 χ^2/NDF: 2367326.7/58

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -126.980+/-108.991 χ^2/NDF:20.6/11

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -187.102+/-106.692 χ^2/NDF:14.8/10

Left: -157.682+/-76.242 χ^2/NDF: 35.6/22

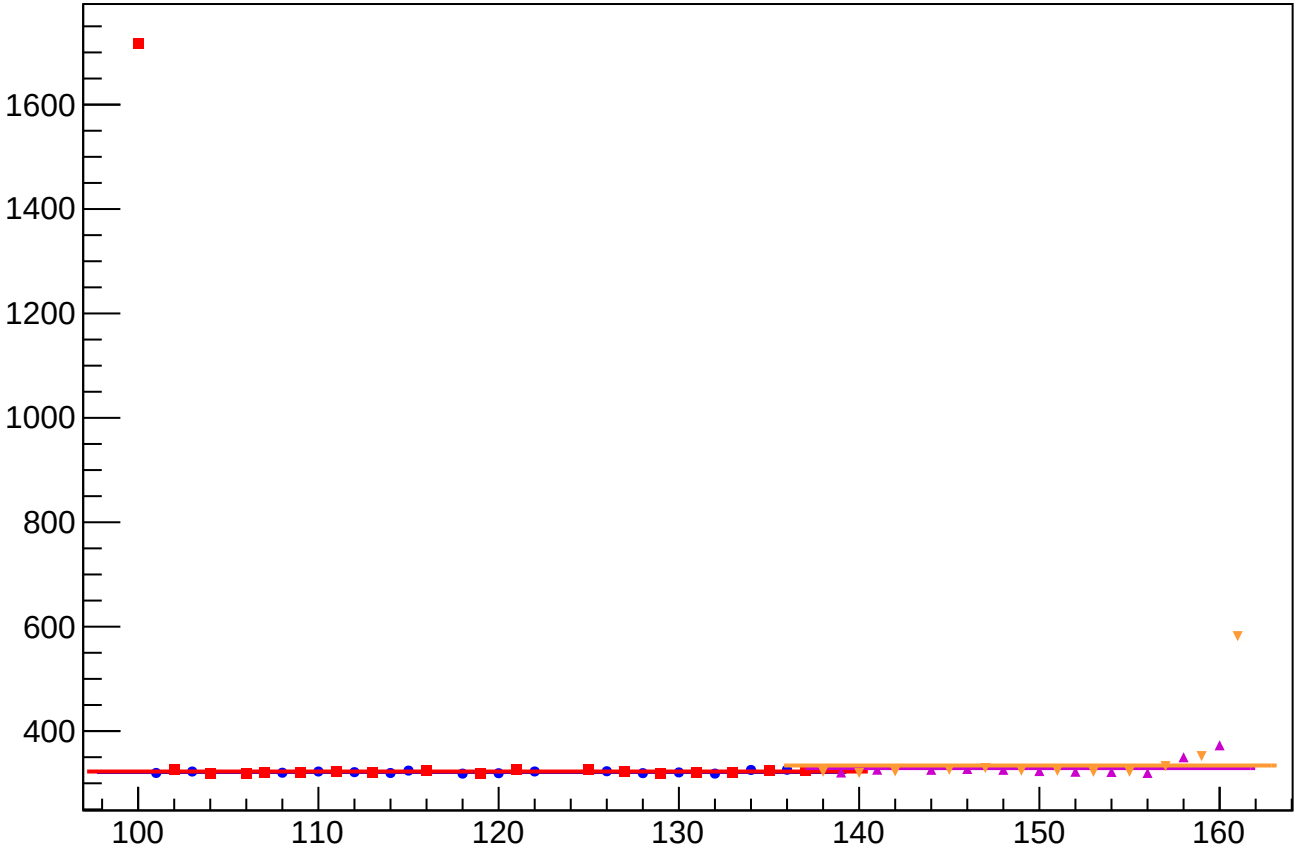
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -97.171+/-79.567 χ^2/NDF:32.9/26

Out: -79.248+/-80.439 χ^2/NDF:37.1/29

All: -88.307+/-56.568 χ^2/NDF: 70.0/56

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 334.072+/-0.077 χ^2/NDF:318208.3/11

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 329.101+/-0.075 χ^2/NDF:33693.5/10

Left: 331.534+/-0.054 χ^2/NDF: 354026.7/22

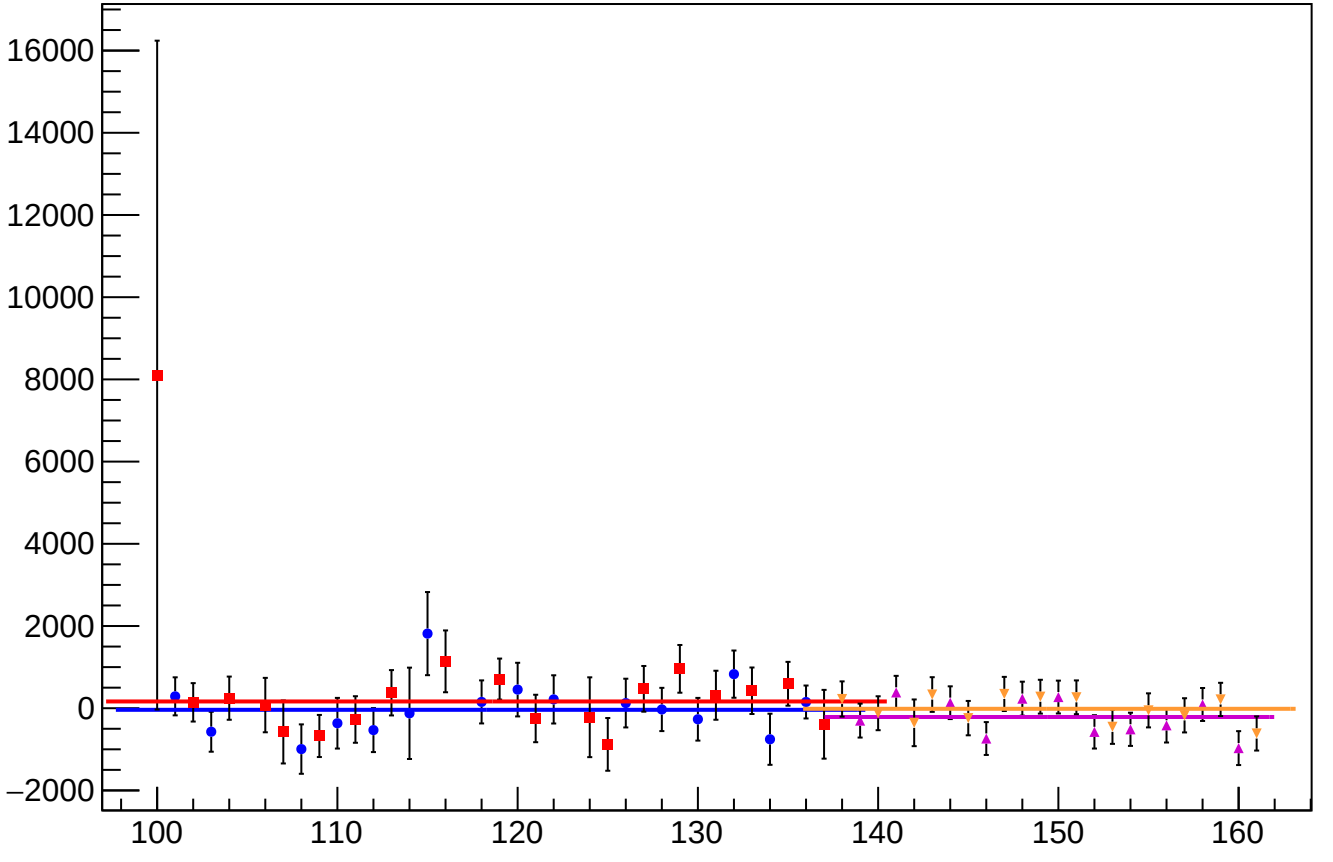
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

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

Out: 328.828+/-0.057 χ^2/NDF:425272.8/29

All: 327.284+/-0.040 χ^2/NDF: 465629.5/56

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -14.167+/-117.285 χ^2/NDF:7.1/12

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -213.523+/-122.392 χ^2/NDF:12.9/10

Left: -109.599+/-84.681 χ^2/NDF: 21.4/23

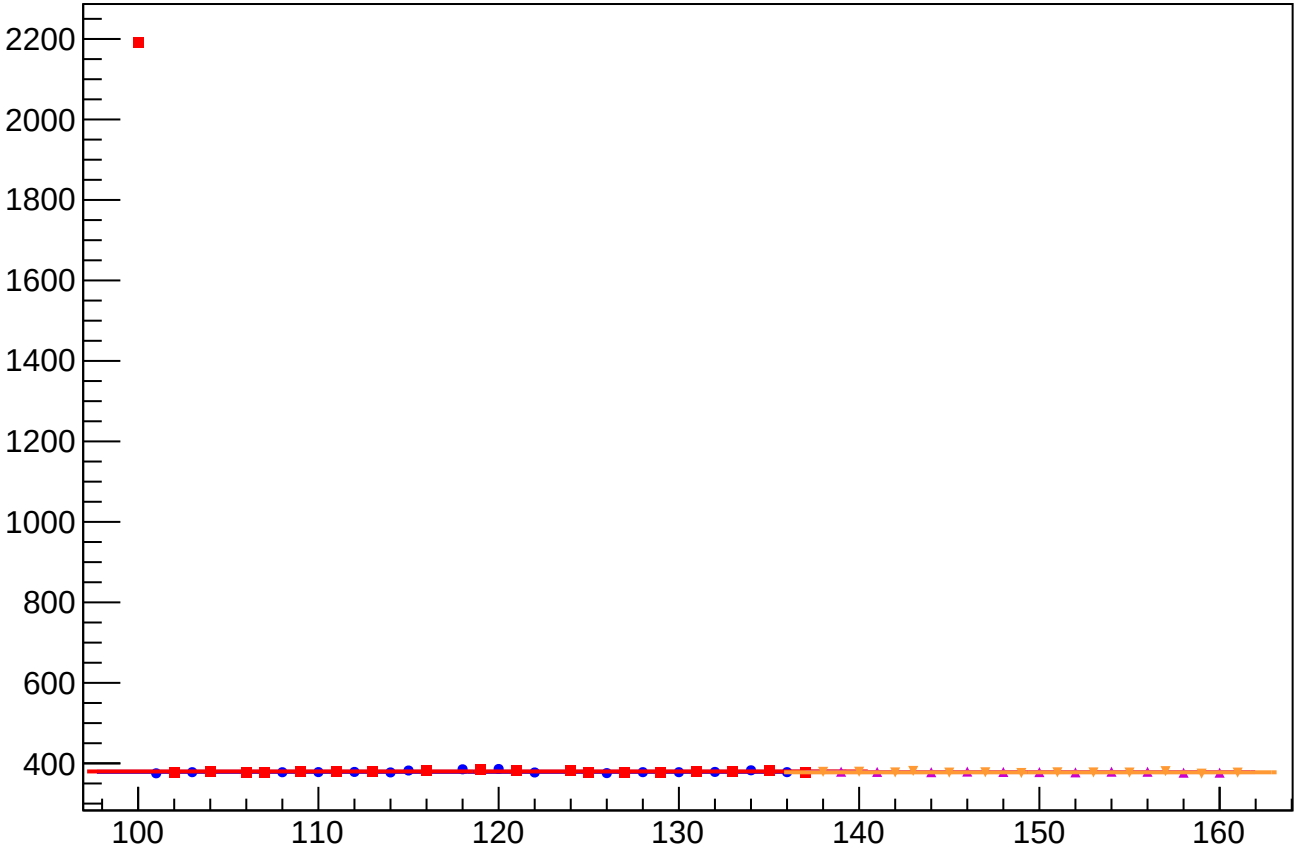
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -138.323+/-92.349 χ^2/NDF:27.5/26

Out: 60.218+/-89.629 χ^2/NDF:23.2/31

All: -36.086+/-64.317 χ^2/NDF: 53.1/58

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.736+/-0.083 χ^2/NDF:454.4/12

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.401+/-0.087 χ^2/NDF:112.6/10

Left: 378.054+/-0.060 χ^2/NDF: 597.7/23

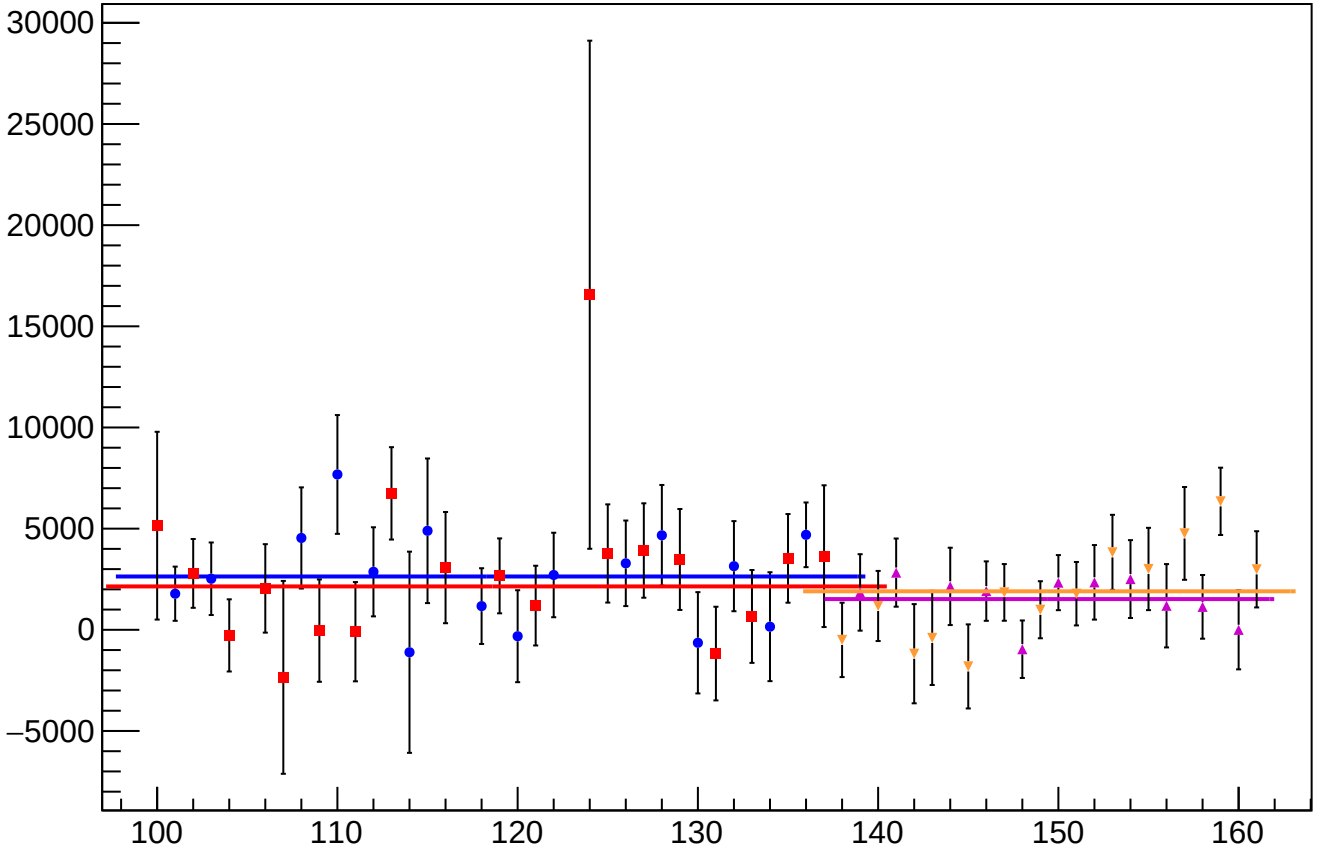
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.620+/-0.065 χ^2/NDF:978.7/26

Out: 378.627+/-0.063 χ^2/NDF:100353.3/31

All: 378.624+/-0.045 χ^2/NDF: 101332.0/58

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1902.839+/-500.217 χ^2/NDF:18.5/12

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1518.844+/-508.321 χ^2/NDF:5.4/10

Left: 1713.926+/-356.538 χ^2/NDF: 24.1/23

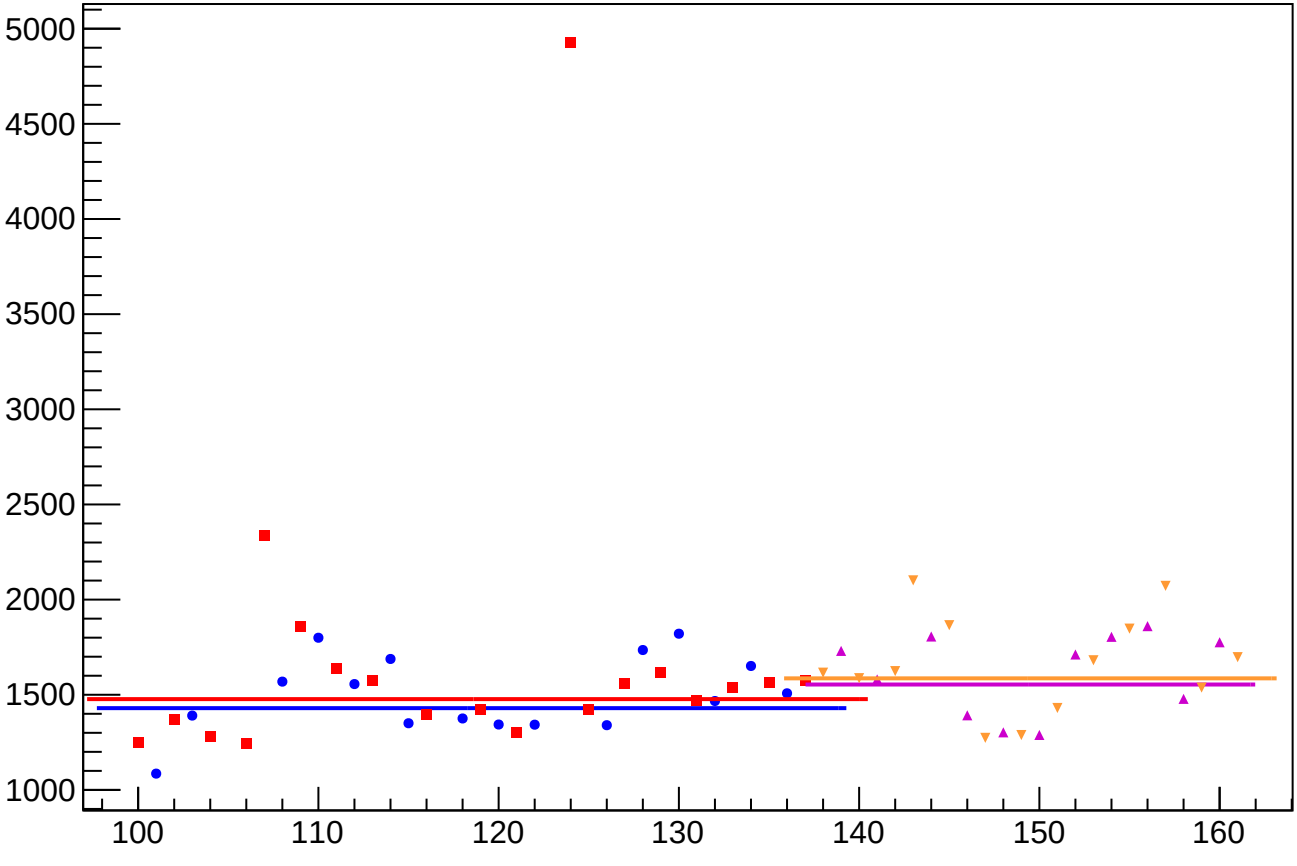
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 2012.934+/-369.129 χ^2/NDF:33.6/31

All: 2029.171+/-261.143 χ^2/NDF: 53.5/58

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1586.200+/-0.354 χ^2/NDF:480514.9/12

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

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

Left: 1570.274+/-0.252 χ^2/NDF: 823352.5/23

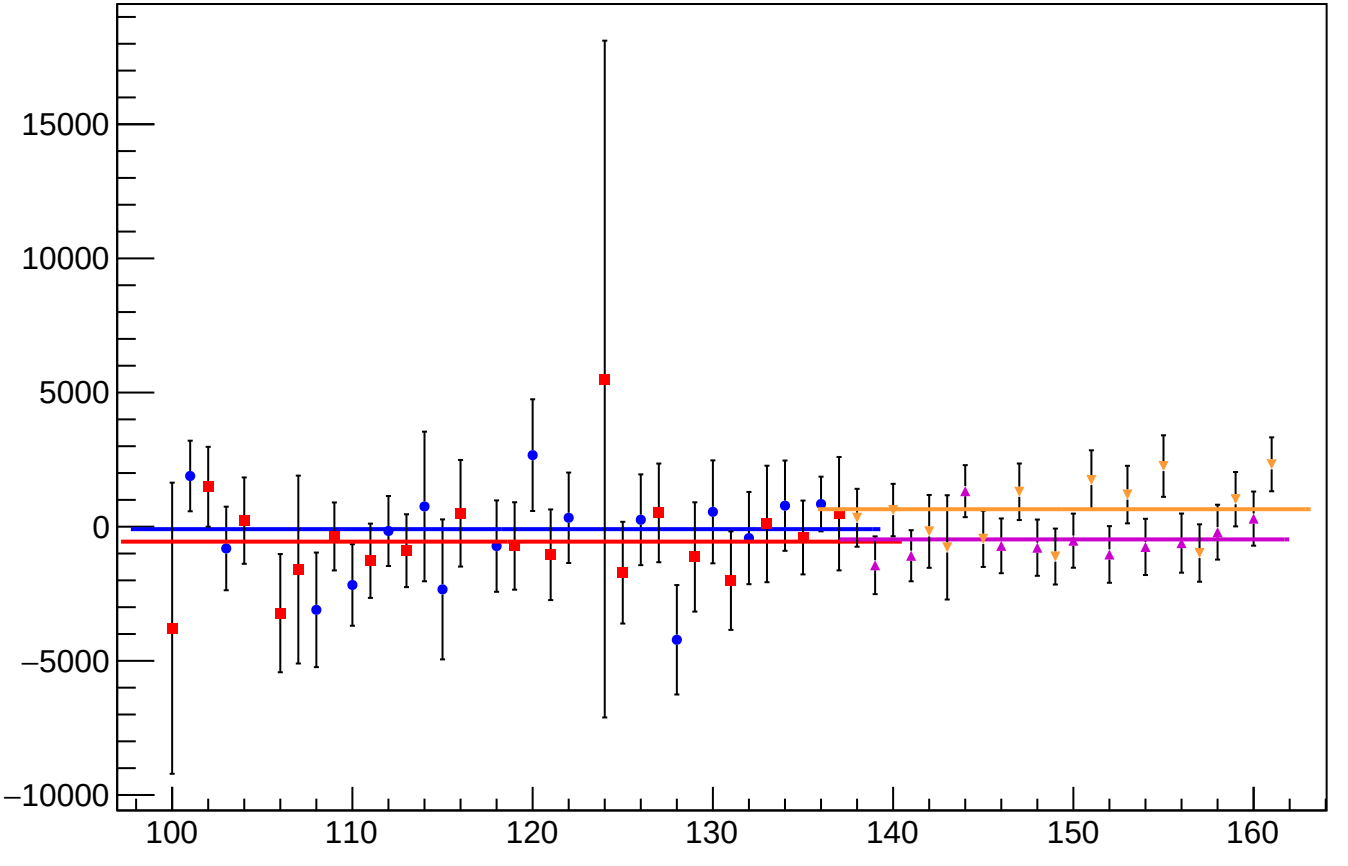
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1536.522+/-0.261 χ^2/NDF:893255.9/31

All: 1515.913+/-0.185 χ^2/NDF: 1594129.0/58

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 651.753+/-305.371 χ^2/NDF:13.8/12

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -473.537+/-309.299 χ^2/NDF:5.8/10

Left: 96.299+/-217.306 χ^2/NDF: 26.3/23

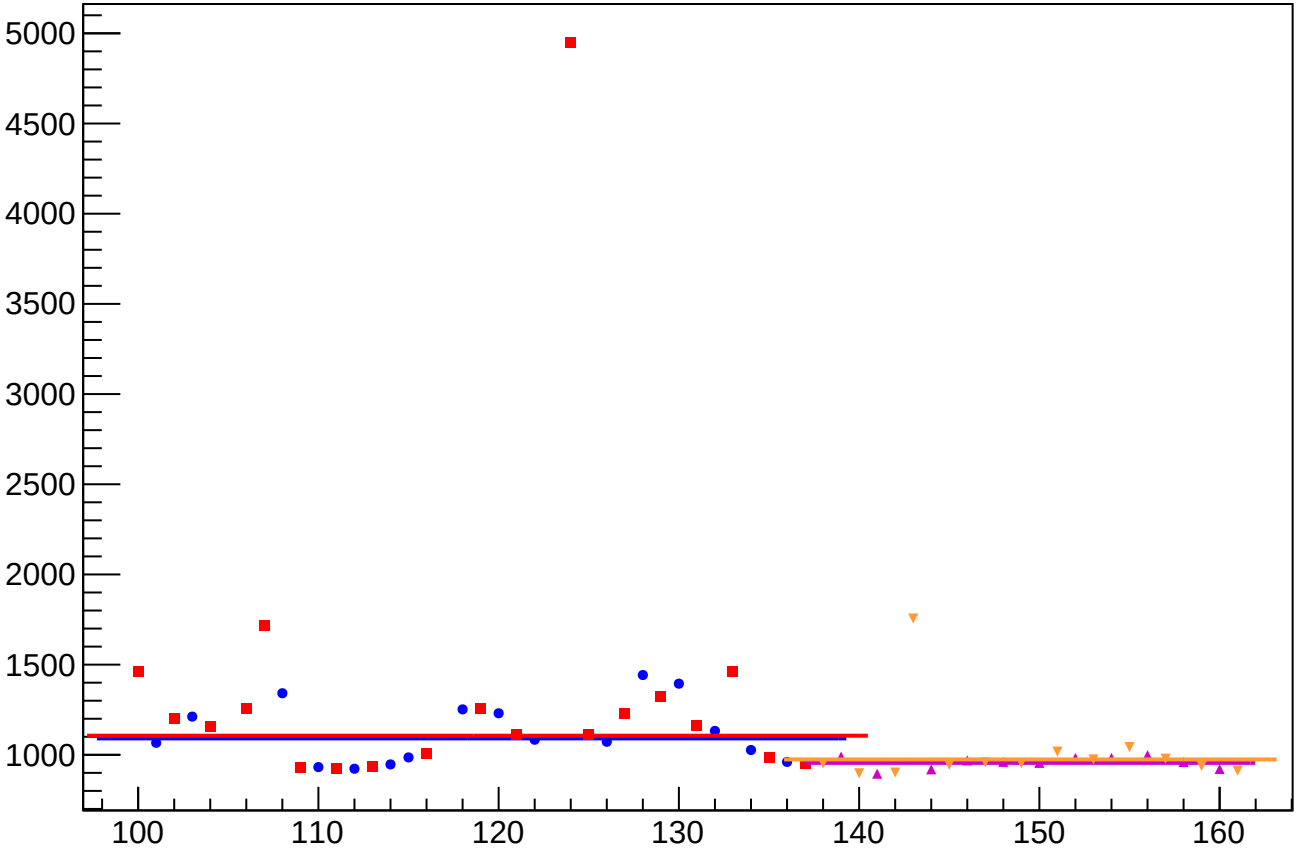
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: 222.337+/-245.192 χ^2/NDF:26.1/31

All: -54.330+/-173.981 χ^2/NDF: 49.6/58

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 974.440+/-0.216 χ^2/NDF:365591.9/12

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 955.539+/-0.219 χ^2/NDF:21229.1/10

Left: 965.110+/-0.154 χ^2/NDF: 390603.2/23

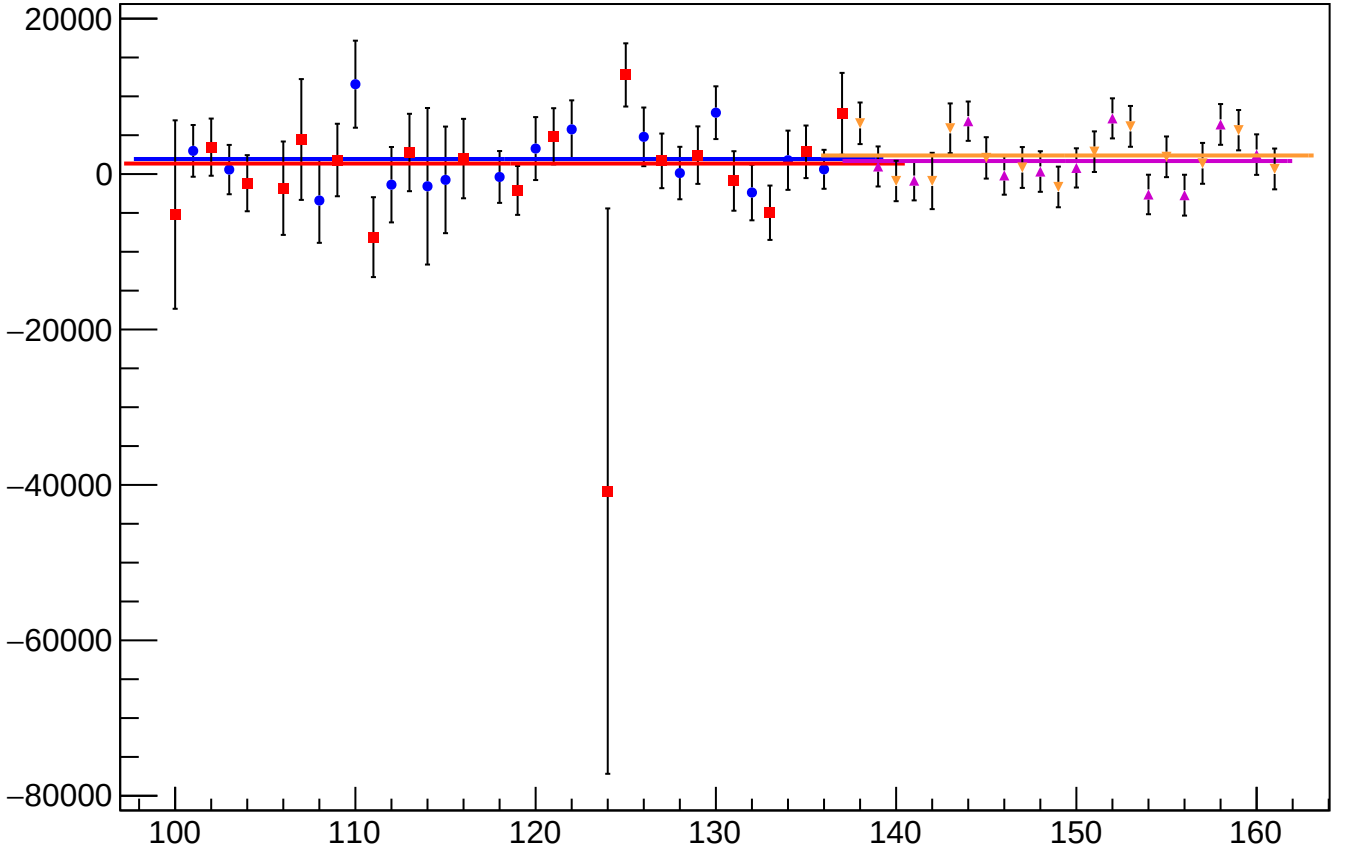
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1021.200+/-0.173 χ^2/NDF:1011674.0/31

All: 1013.003+/-0.123 χ^2/NDF: 1453949.0/58

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.978+/-751.920 χ^2/NDF:13.0/12

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1675.559+/-773.857 χ^2/NDF:19.6/10

Left: 2044.067+/-539.277 χ^2/NDF: 33.1/23

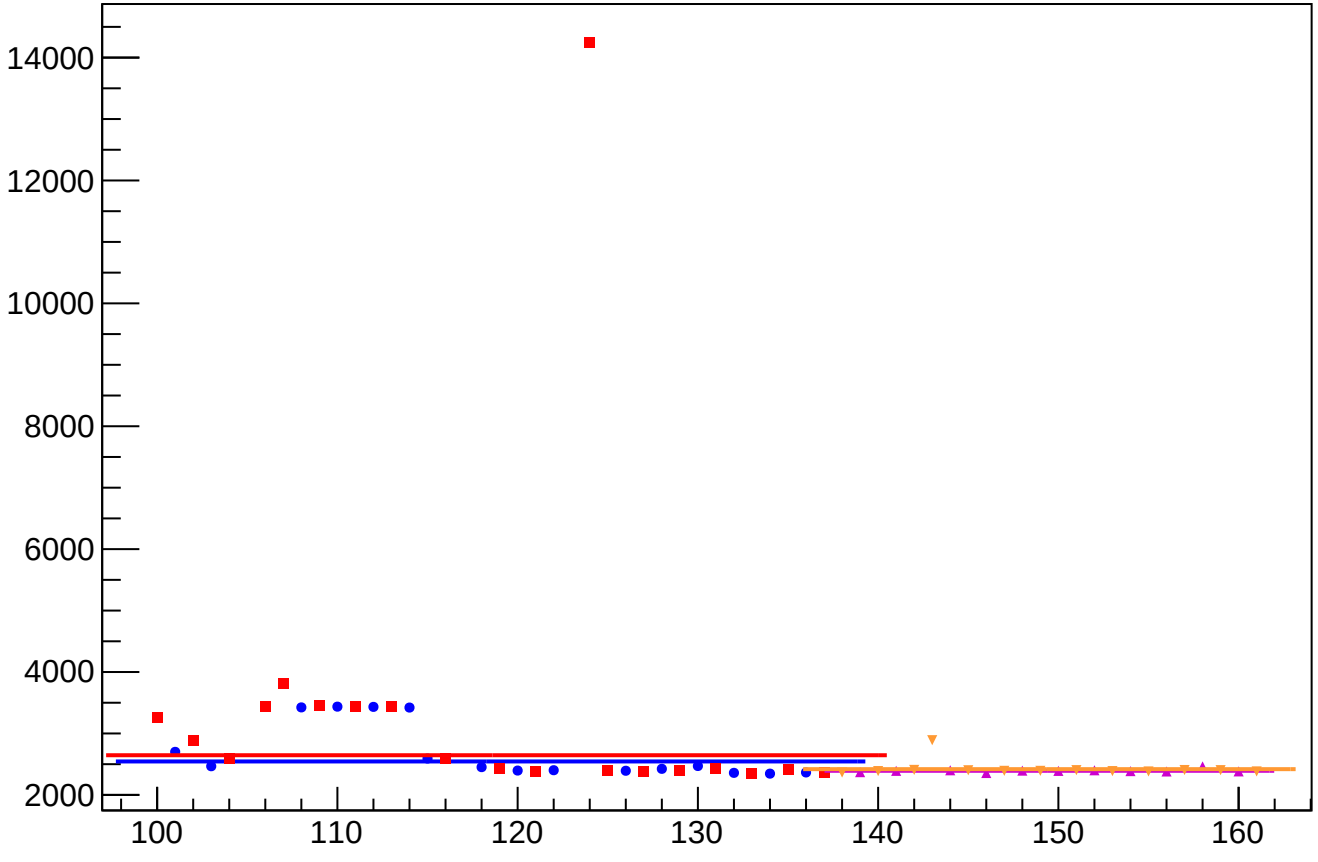
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1780.563+/-600.626 χ^2/NDF:31.9/26

Out: 2009.661+/-597.705 χ^2/NDF:35.5/31

All: 1895.671+/-423.670 χ^2/NDF: 67.5/58

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

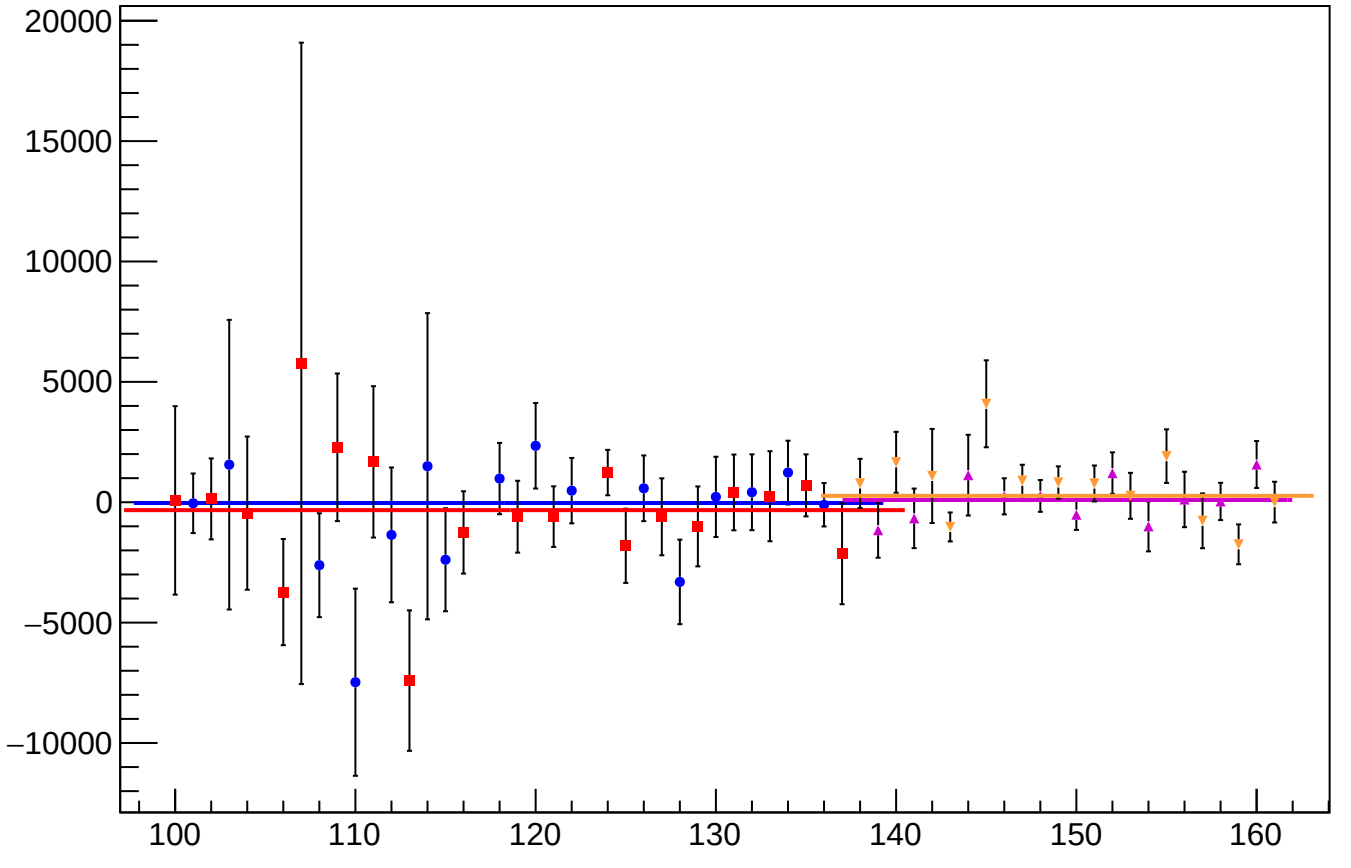
Left: 2406.169+/-0.381 χ^2/NDF: 49780.0/23

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2502.452+/-0.423 χ^2/NDF:650245.6/31

All: 2477.812+/-0.300 χ^2/NDF: 915487.7/58



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 267.287+/-244.165 χ^2/NDF:21.9/12

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 92.185+/-266.434 χ^2/NDF:8.1/10

Left: 187.358+/-180.010 χ^2/NDF: 30.2/23

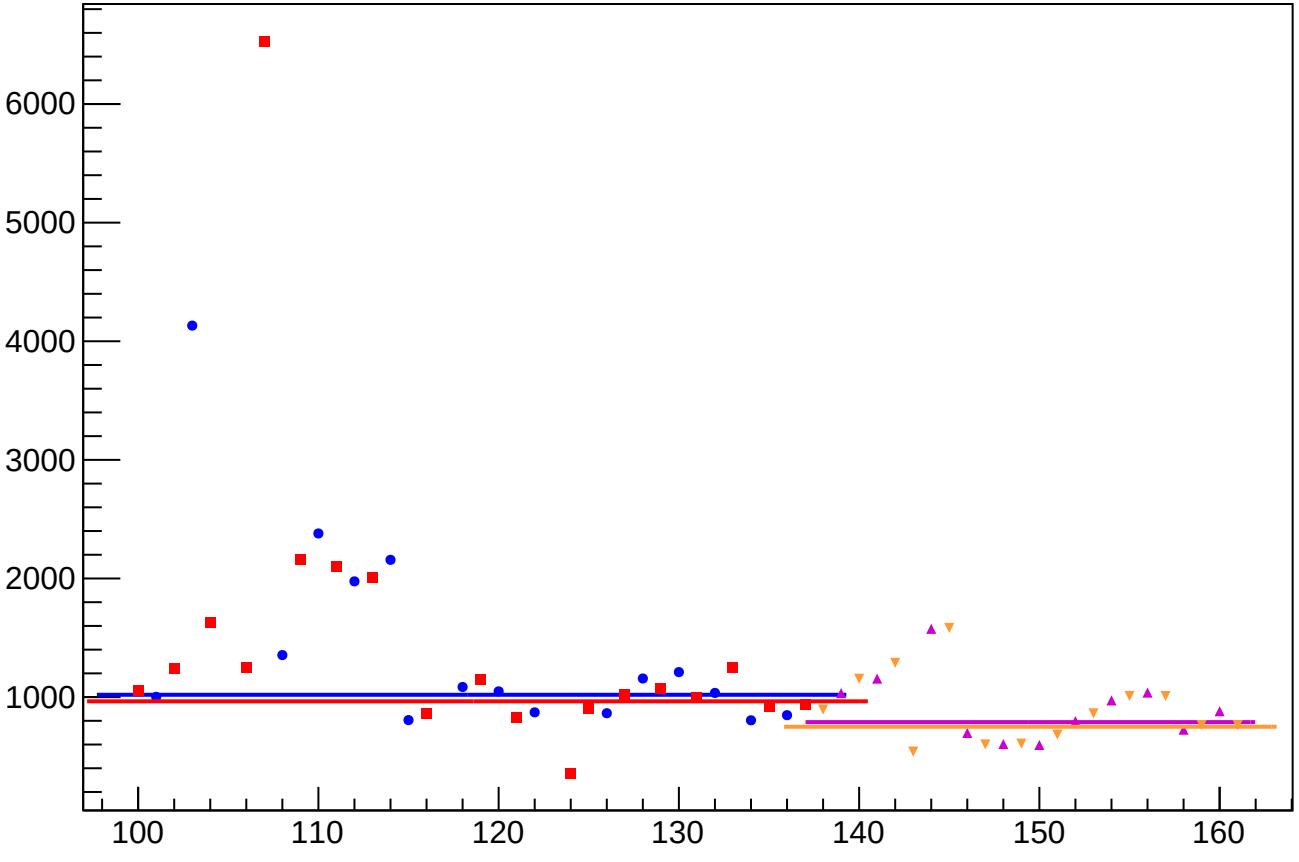
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 55.011+/-222.707 χ^2/NDF:21.9/26

Out: 104.716+/-208.203 χ^2/NDF:39.1/31

All: 81.535+/-152.091 χ^2/NDF: 61.1/58

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 750.069+/-0.173 χ^2/NDF:1515490.7/12

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 788.975+/-0.188 χ^2/NDF:1266532.9/10

Left: 767.828+/-0.127 χ^2/NDF: 2805203.9/23

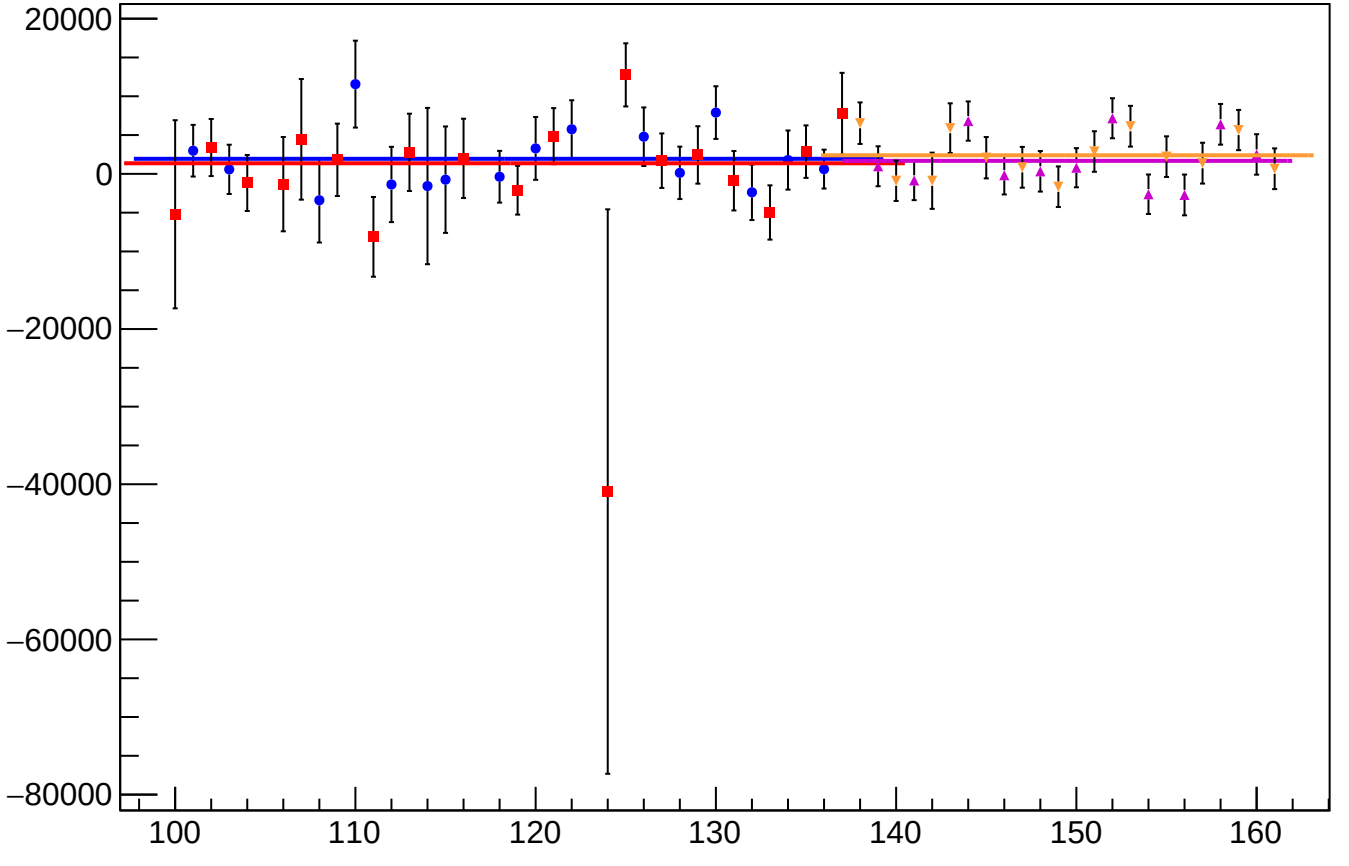
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 858.439+/-0.157 χ^2/NDF:3082485.3/26

Out: 808.549+/-0.147 χ^2/NDF:4245303.7/31

All: 831.817+/-0.108 χ^2/NDF: 7381346.7/58

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.906+/-751.920 χ^2/NDF:13.0/12

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1675.722+/-773.857 χ^2/NDF:19.6/10

Left: 2044.109+/-539.277 χ^2/NDF: 33.1/23

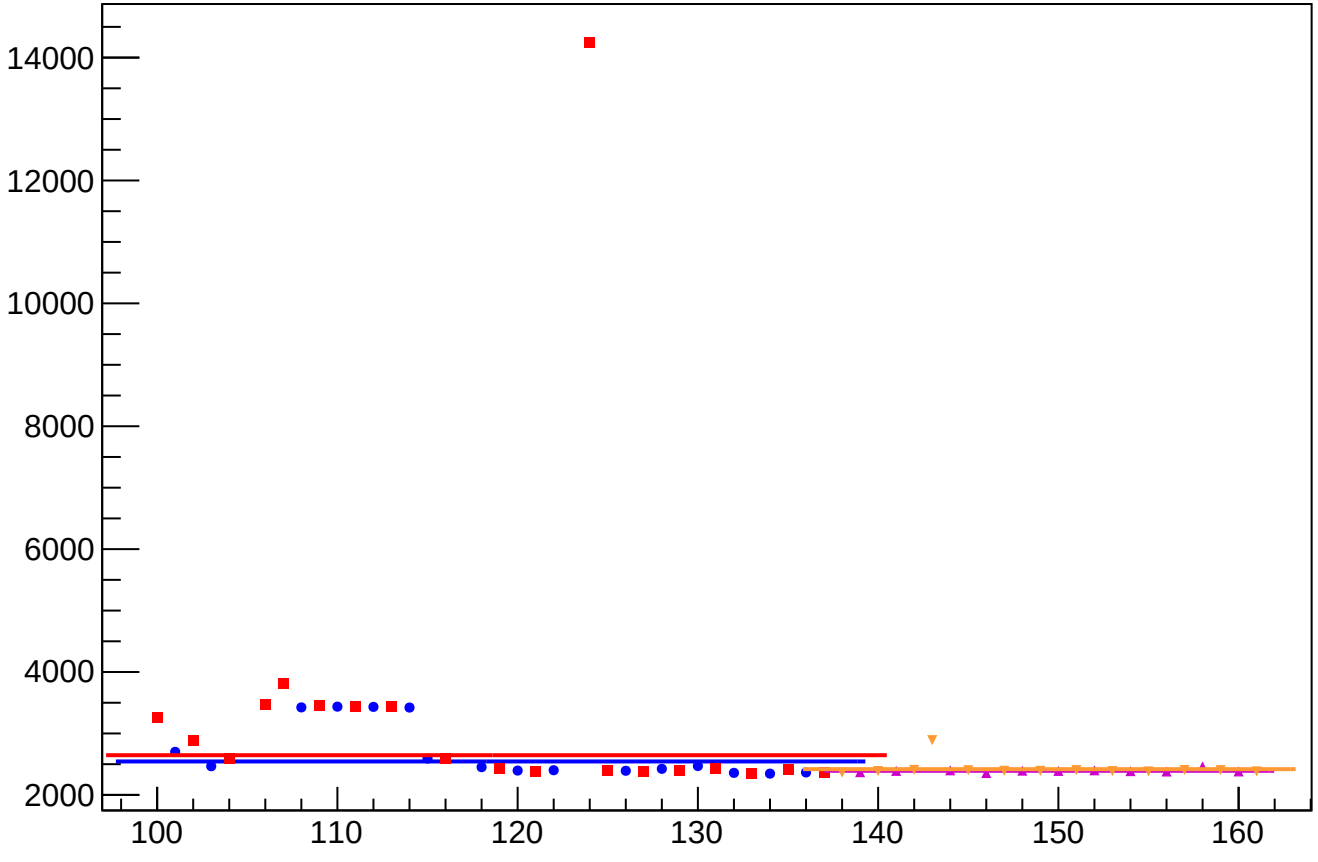
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1780.801+/-600.626 χ^2/NDF:31.9/26

Out: 2013.318+/-597.772 χ^2/NDF:35.4/31

All: 1897.613+/-423.694 χ^2/NDF: 67.4/58

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

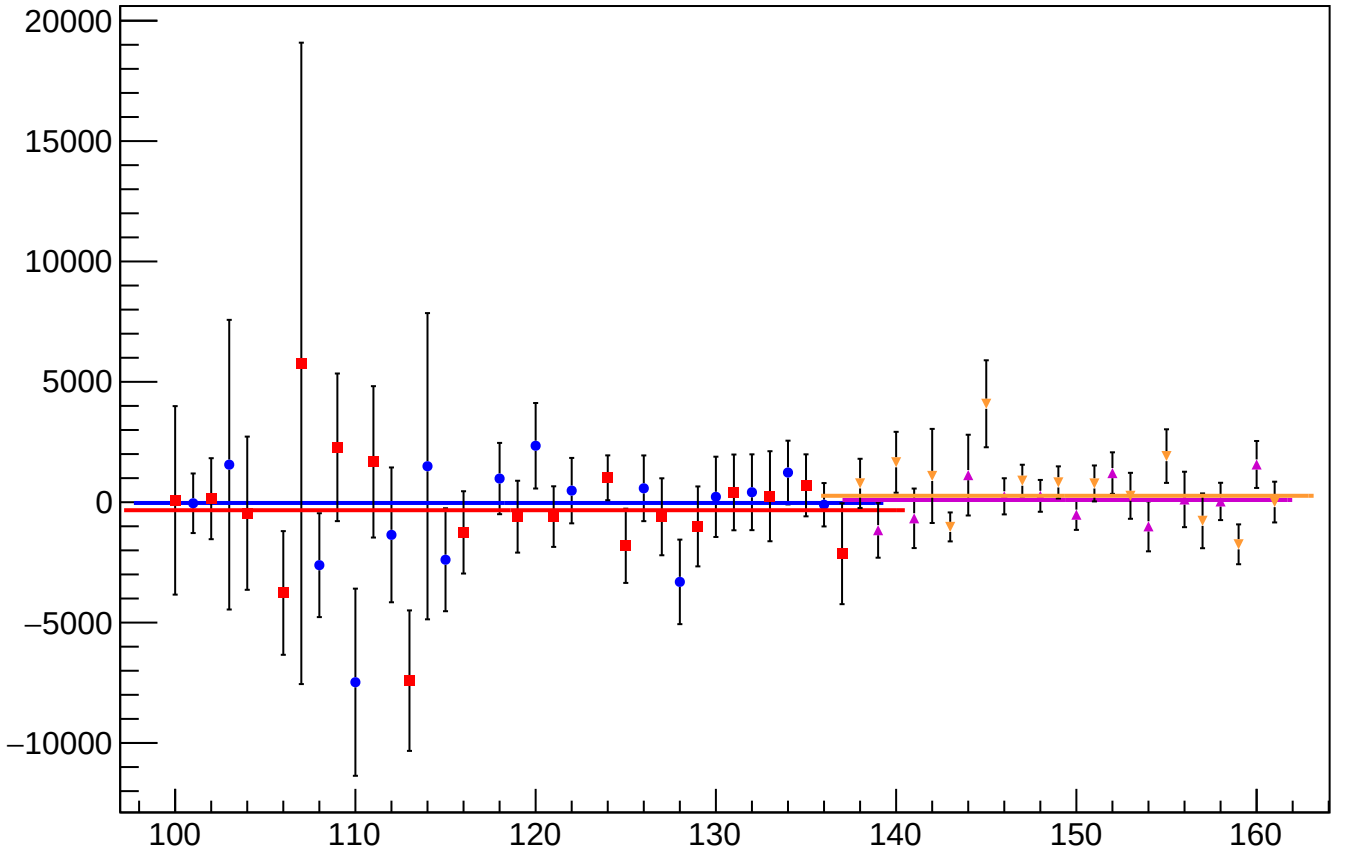
Left: 2406.169+/-0.381 χ^2/NDF: 49780.0/23

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2502.625+/-0.423 χ^2/NDF:653130.0/31

All: 2477.896+/-0.300 χ^2/NDF: 918419.0/58



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 267.219+/-244.169 χ^2/NDF:21.9/12

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 92.259+/-266.433 χ^2/NDF:8.1/10

Left: 187.354+/-180.011 χ^2/NDF: 30.2/23

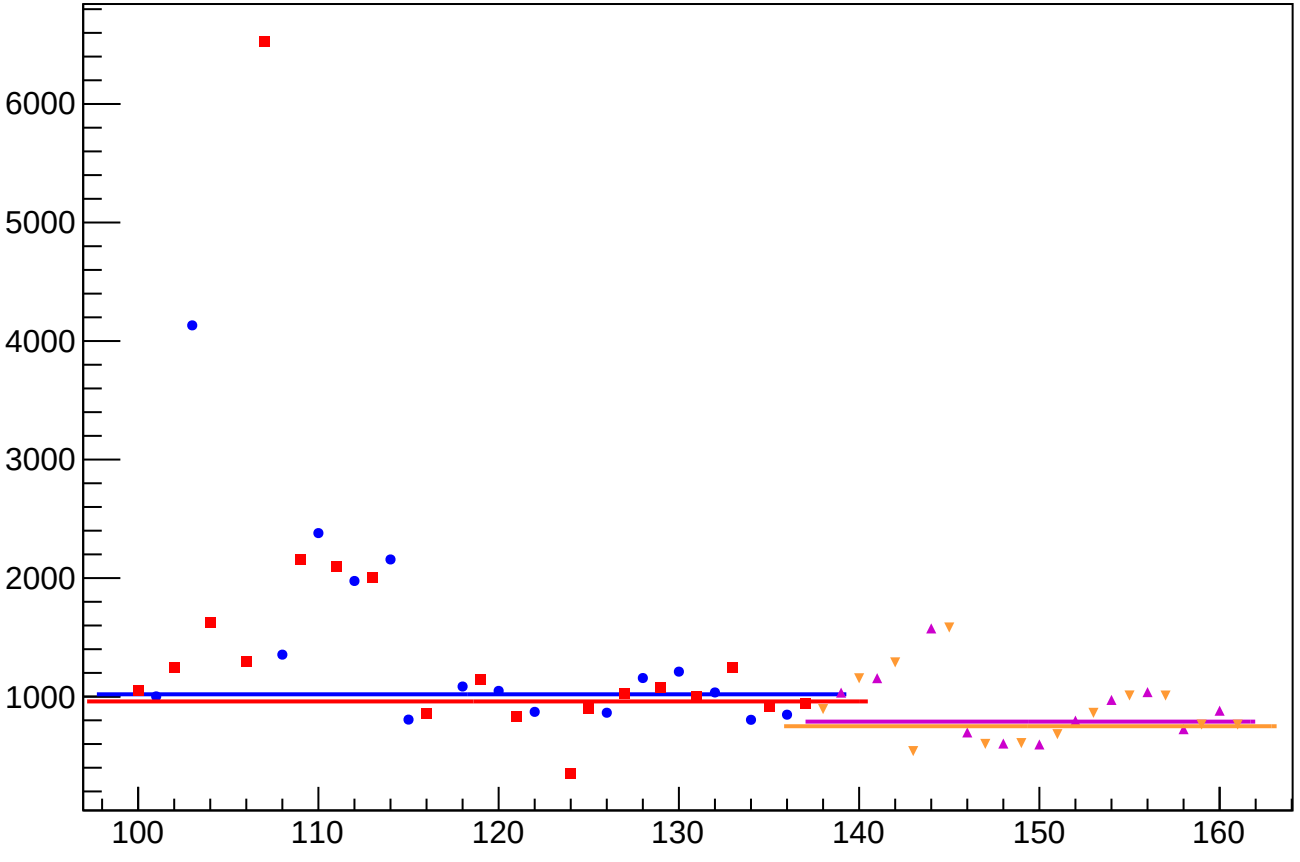
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 55.044+/-222.706 χ^2/NDF:21.9/26

Out: 104.168+/-208.314 χ^2/NDF:37.9/31

All: 81.244+/-152.134 χ^2/NDF: 59.8/58

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 750.081+/-0.173 χ^2/NDF:1515474.7/12

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

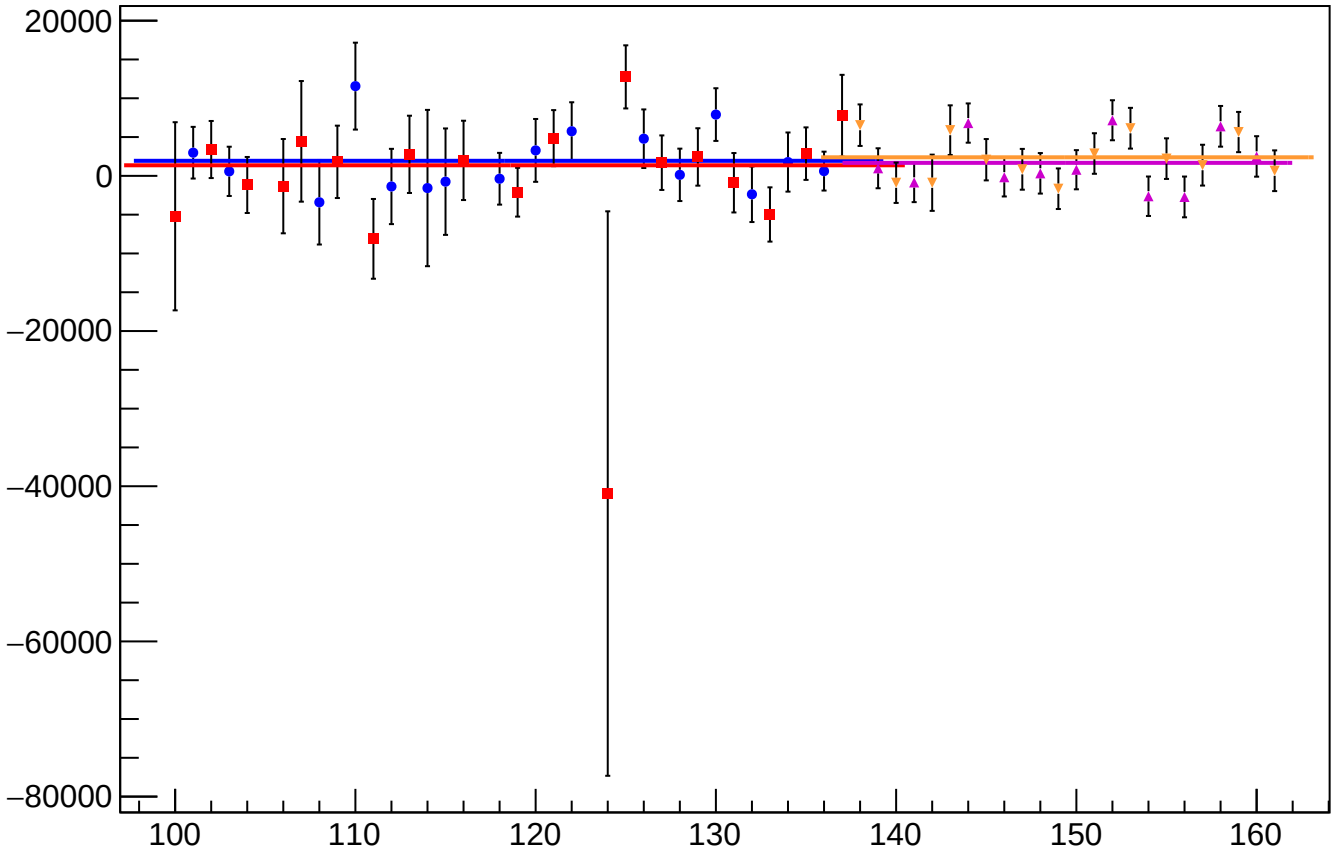
Left: 767.834+/-0.127 χ^2/NDF: 2805286.0/23

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.436+/-0.157 χ^2/NDF:3082576.8/26

Out: 807.026+/-0.147 χ^2/NDF:4259669.6/31

All: 831.016+/-0.108 χ^2/NDF: 7399087.8/58



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.906+/-751.920 χ^2/NDF:13.0/12

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1675.722+/-773.857 χ^2/NDF:19.6/10

Left: 2044.109+/-539.277 χ^2/NDF: 33.1/23

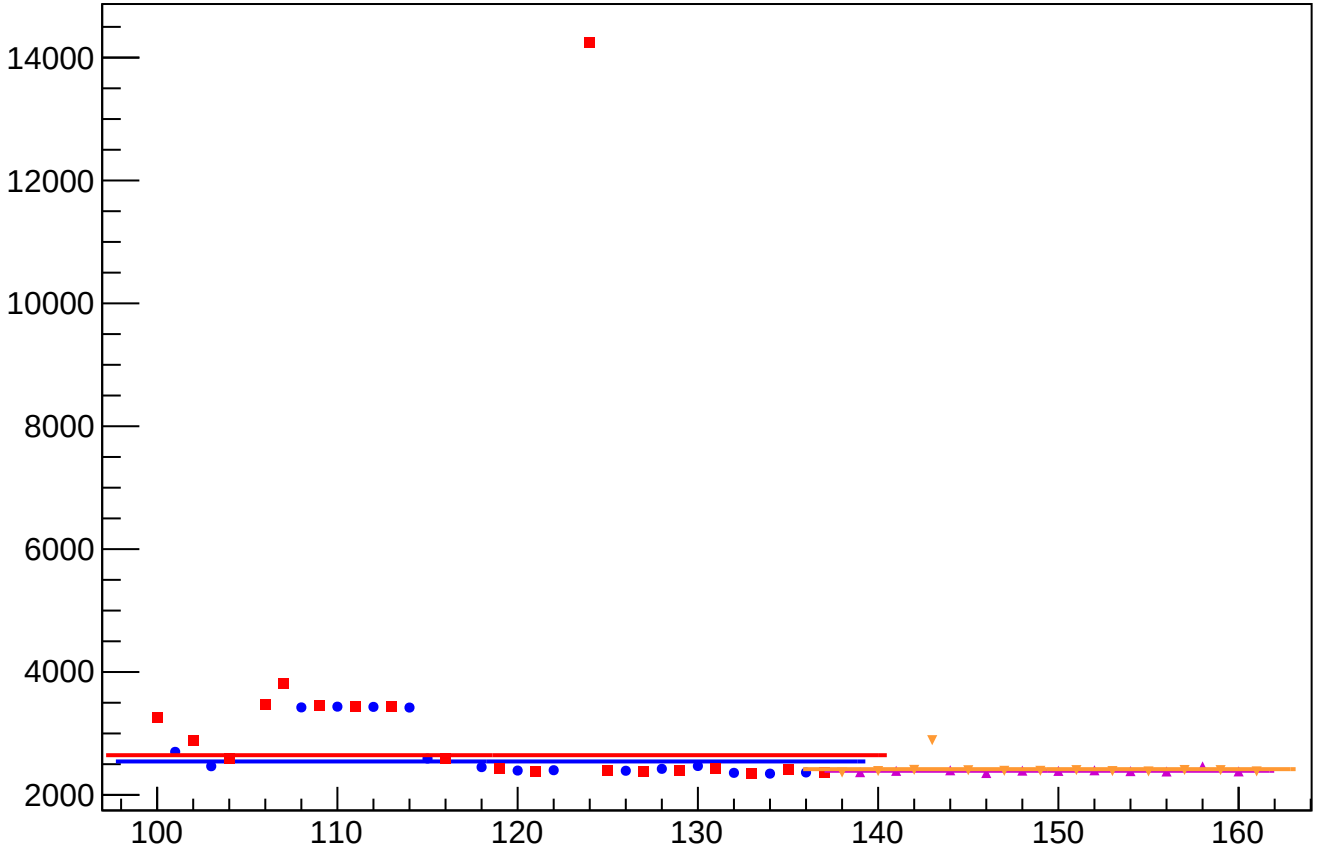
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1780.801+/-600.626 χ^2/NDF:31.9/26

Out: 2013.318+/-597.772 χ^2/NDF:35.4/31

All: 1897.613+/-423.694 χ^2/NDF: 67.4/58

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

Left: 2406.169+/-0.381 χ^2/NDF: 49780.0/23

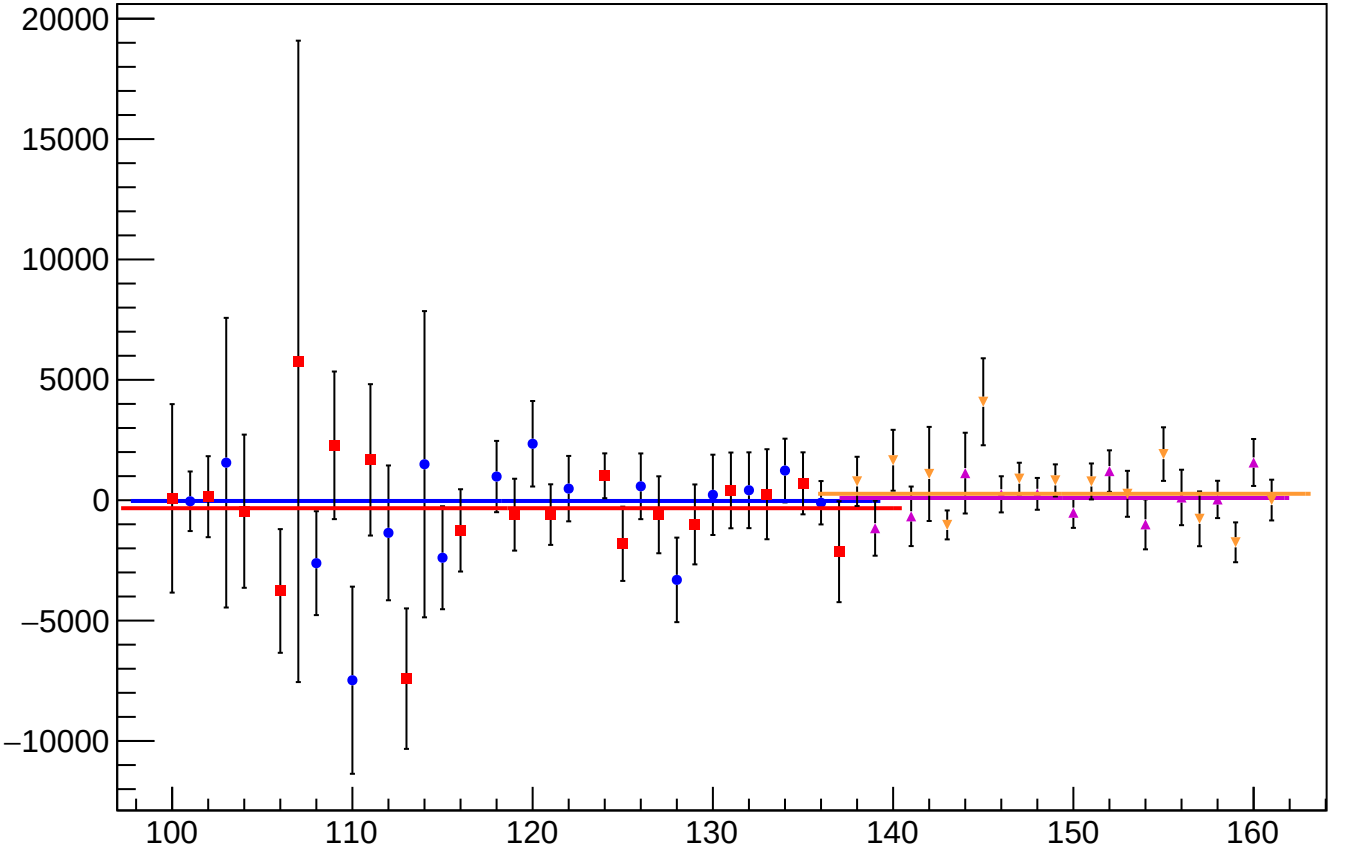
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2452.931+/-0.425 χ^2/NDF:258411.0/26

Out: 2502.625+/-0.423 χ^2/NDF:653130.0/31

All: 2477.896+/-0.300 χ^2/NDF: 918419.0/58

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 267.219+/-244.169 χ^2/NDF:21.9/12

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 92.259+/-266.433 χ^2/NDF:8.1/10

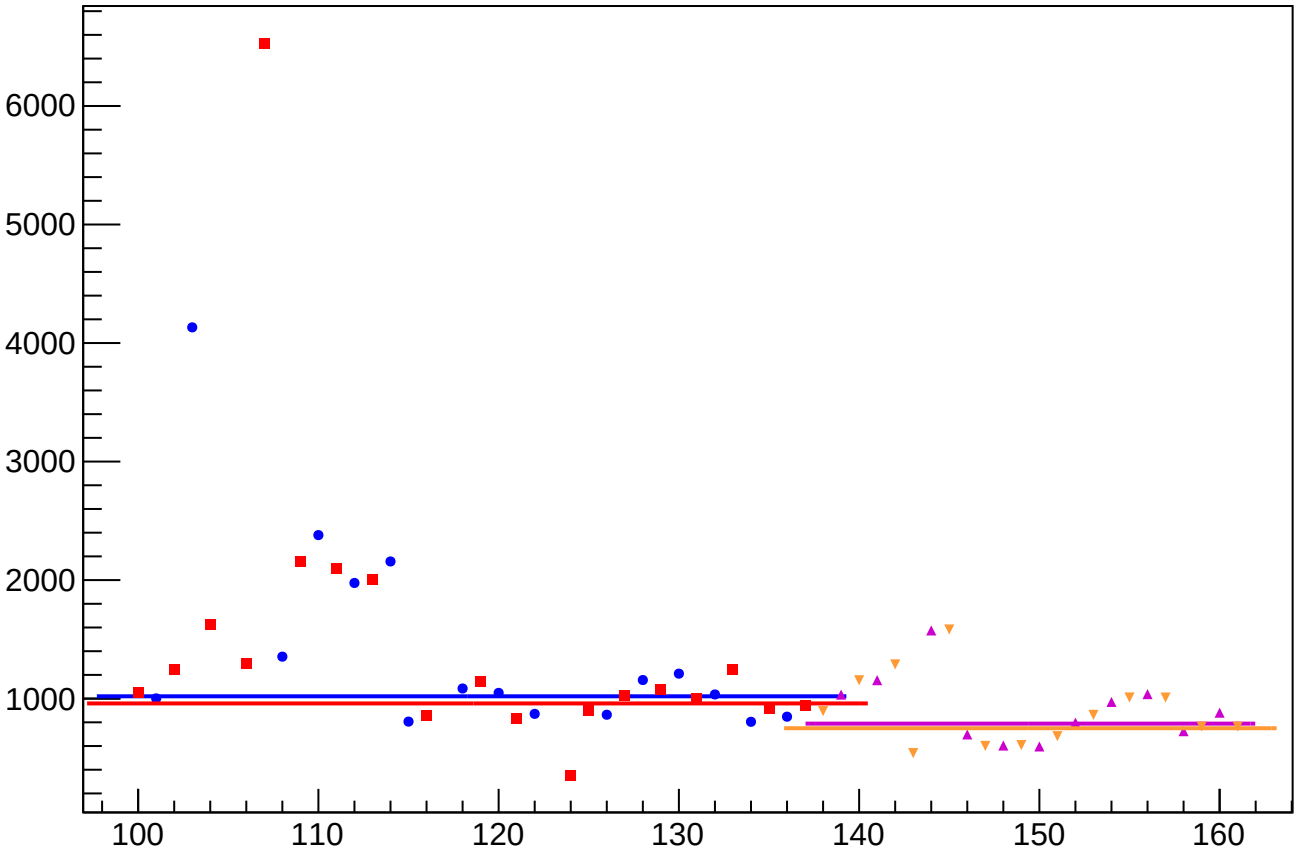
Left: 187.354+/-180.011 χ^2/NDF: 30.2/23

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 55.044+/-222.706 χ^2/NDF:21.9/26

Out: 104.168+/-208.314 χ^2/NDF:37.9/31

All: 81.244+/-152.134 χ^2/NDF: 59.8/58



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 750.081+/-0.173 χ^2/NDF:1515474.7/12

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

Left: 767.834+/-0.127 χ^2/NDF: 2805286.0/23

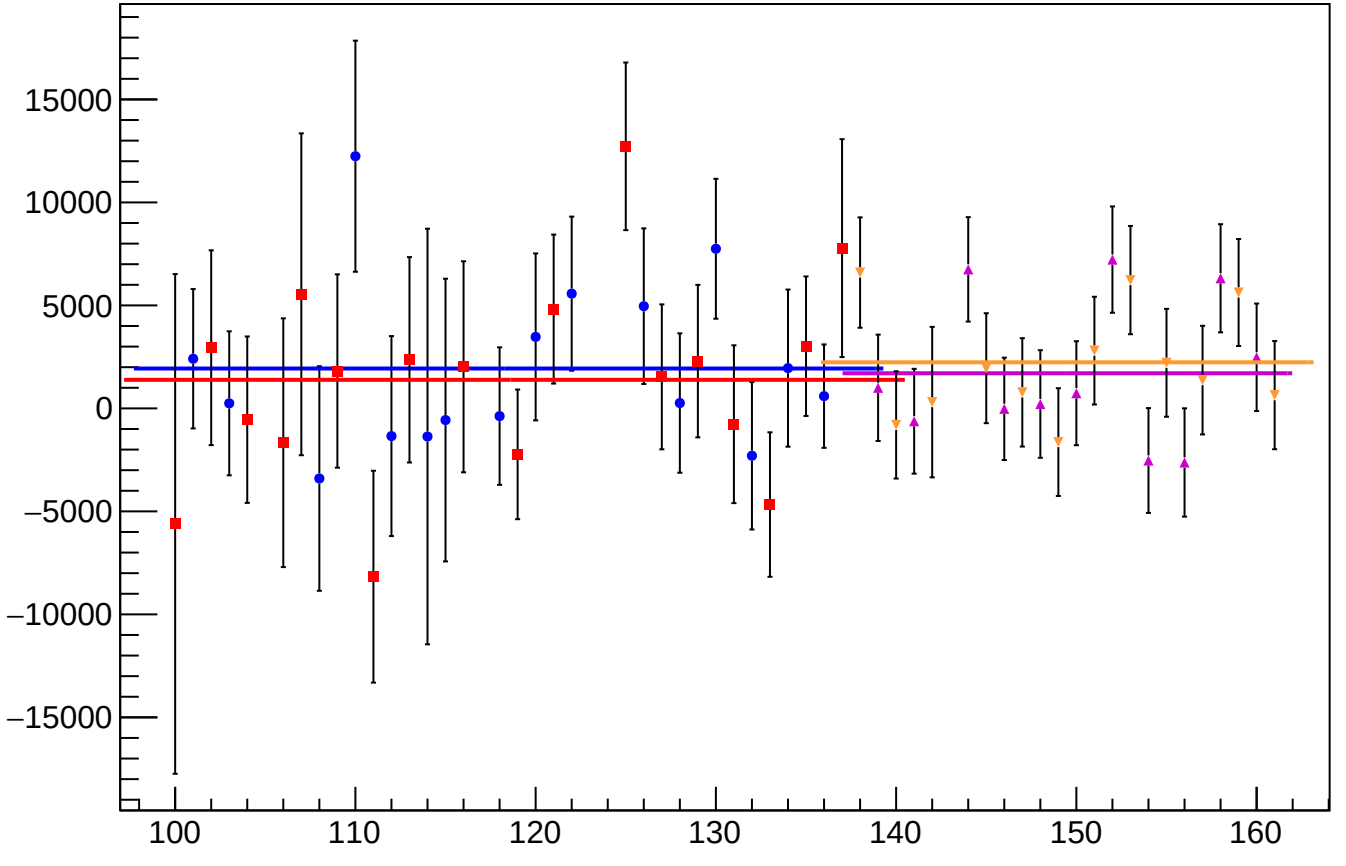
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.436+/-0.157 χ^2/NDF:3082576.8/26

Out: 807.026+/-0.147 χ^2/NDF:4259669.6/31

All: 831.016+/-0.108 χ^2/NDF: 7399087.8/58

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2238.222+/-774.626 χ^2/NDF:11.3/11

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1705.988+/-774.574 χ^2/NDF:19.1/10

Left: 1972.087+/-547.725 χ^2/NDF: 30.6/22

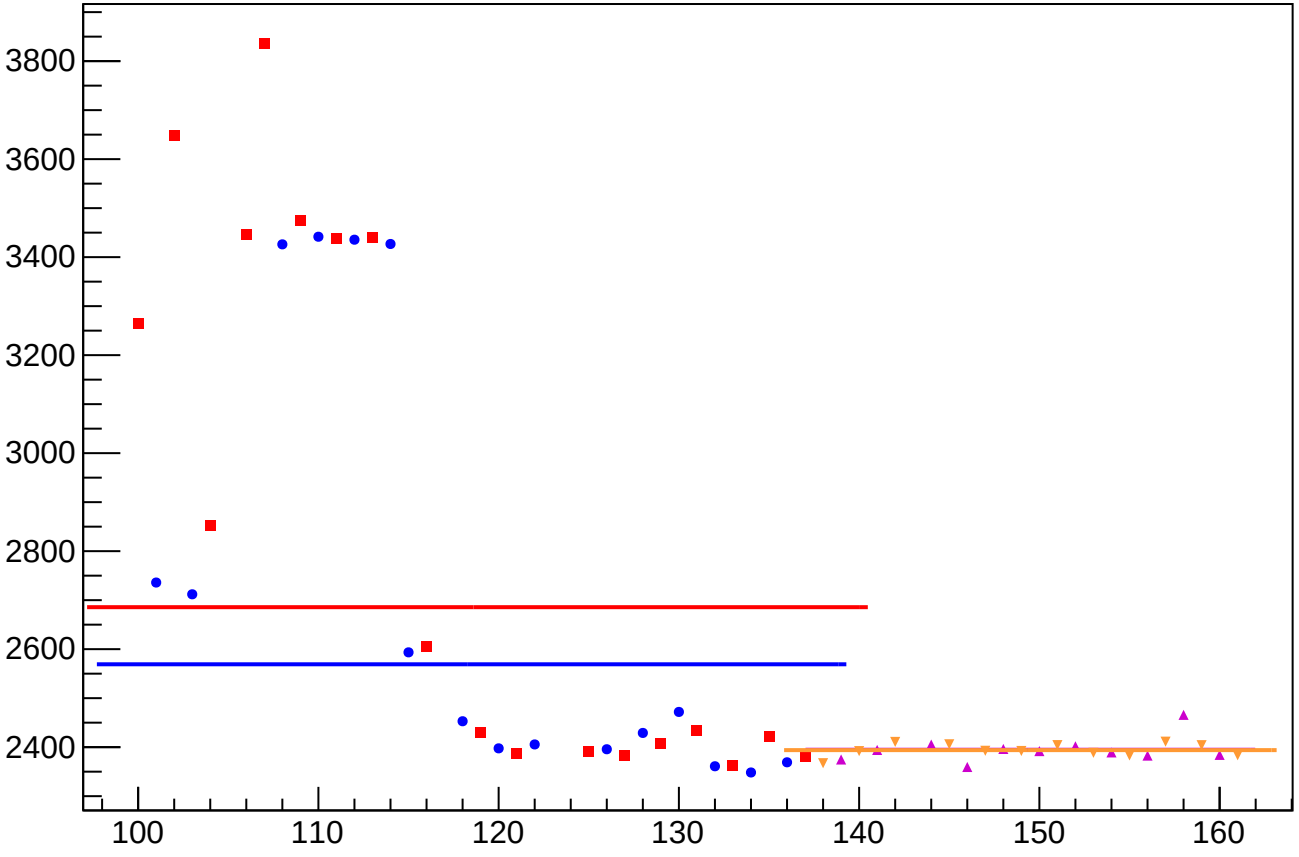
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1796.415+/-603.395 χ^2/NDF:31.5/26

Out: 1922.810+/-614.460 χ^2/NDF:31.5/29

All: 1858.464+/-430.524 χ^2/NDF: 63.0/56

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.969+/-0.548 χ^2/NDF:504.3/11

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

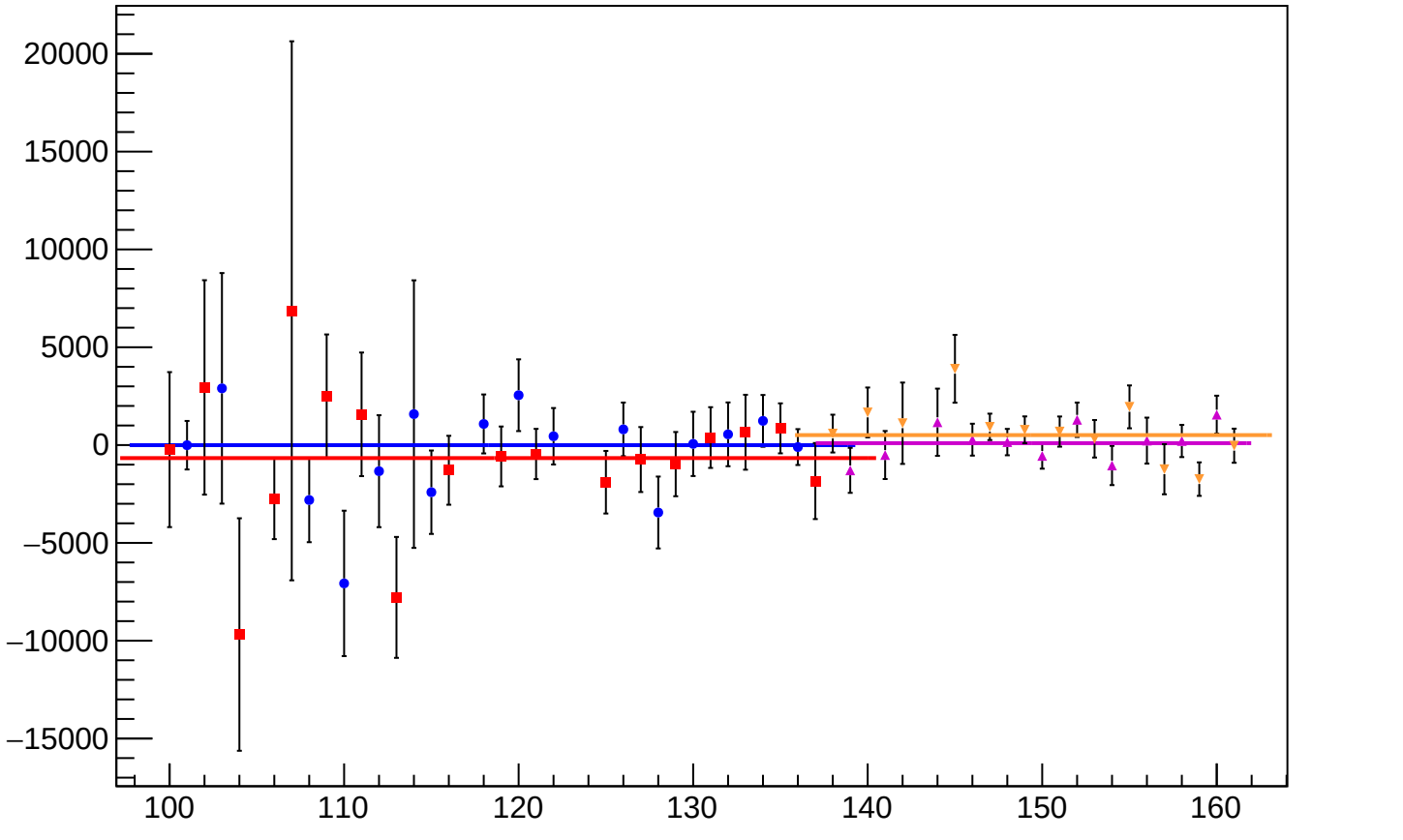
Left: 2394.359+/-0.387 χ^2/NDF: 2632.6/22

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2463.308+/-0.427 χ^2/NDF:271467.9/26

Out: 2502.127+/-0.434 χ^2/NDF:524929.3/29

All: 2482.365+/-0.304 χ^2/NDF: 800460.9/56



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 509.707+/-272.602 χ^2/NDF:16.3/11

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 97.967+/-273.701 χ^2/NDF:8.6/10

Left: 304.666+/-193.146 χ^2/NDF: 26.0/22

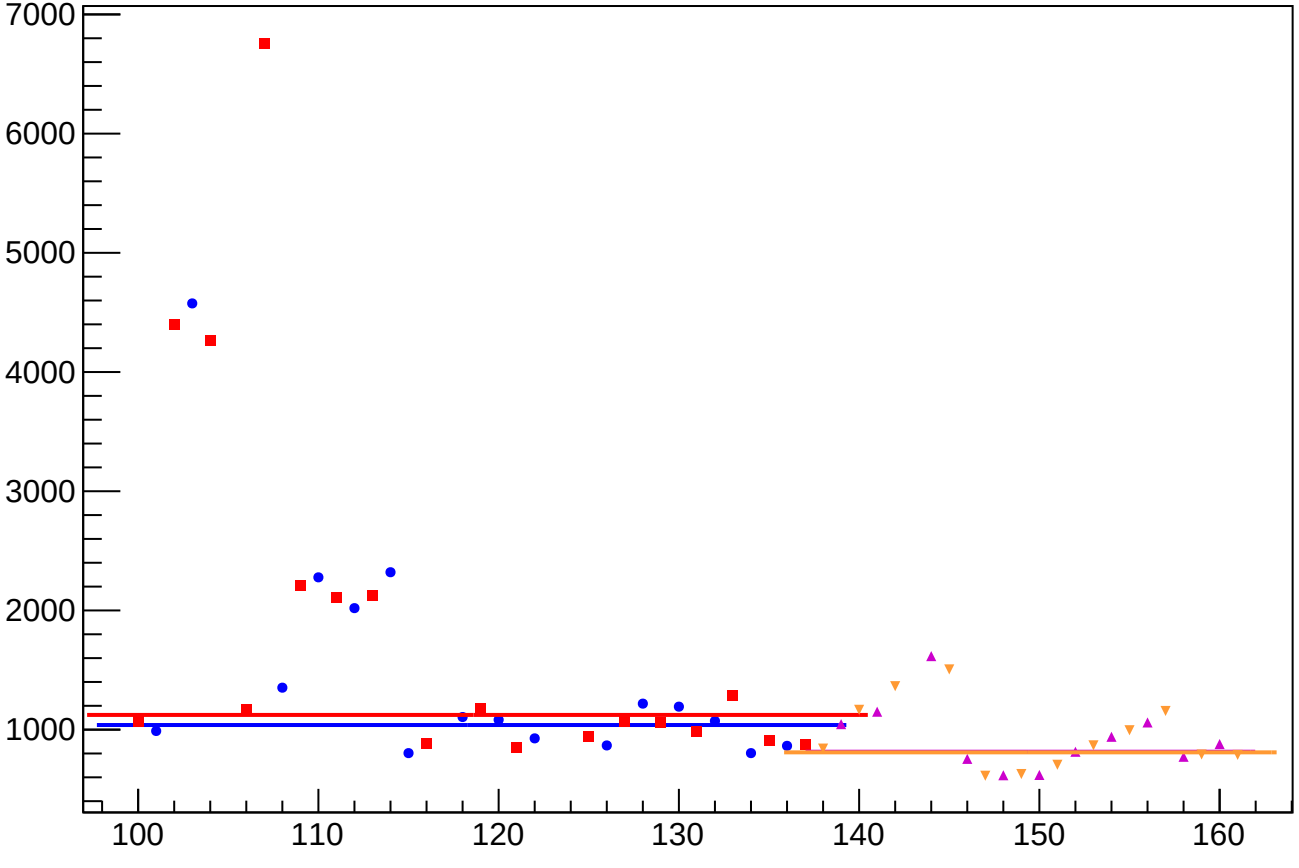
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 66.414+/-228.021 χ^2/NDF:23.1/26

Out: 204.643+/-234.583 χ^2/NDF:35.5/29

All: 133.568+/-163.506 χ^2/NDF: 58.8/56

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 809.505+/-0.193 χ^2/NDF:1182937.3/11

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 814.860+/-0.194 χ^2/NDF:1158782.2/10

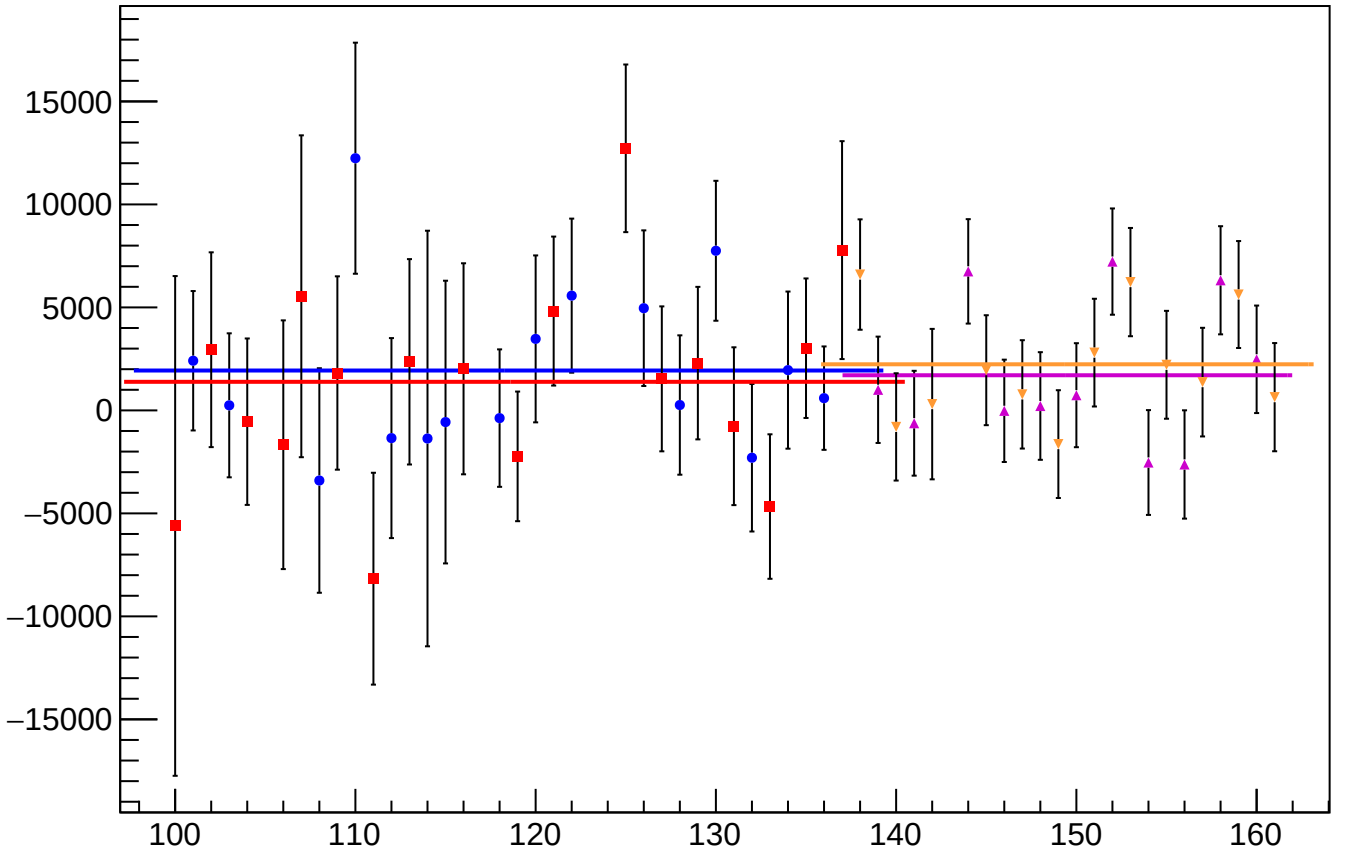
Left: 812.171+/-0.137 χ^2/NDF: 2342103.9/22

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 883.373+/-0.161 χ^2/NDF:3108138.4/26

Out: 890.975+/-0.166 χ^2/NDF:4406873.7/29

All: 887.066+/-0.116 χ^2/NDF: 7516092.1/56



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2238.223+/-774.626 χ^2/NDF:11.3/11

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1705.988+/-774.574 χ^2/NDF:19.1/10

Left: 1972.088+/-547.725 χ^2/NDF: 30.6/22

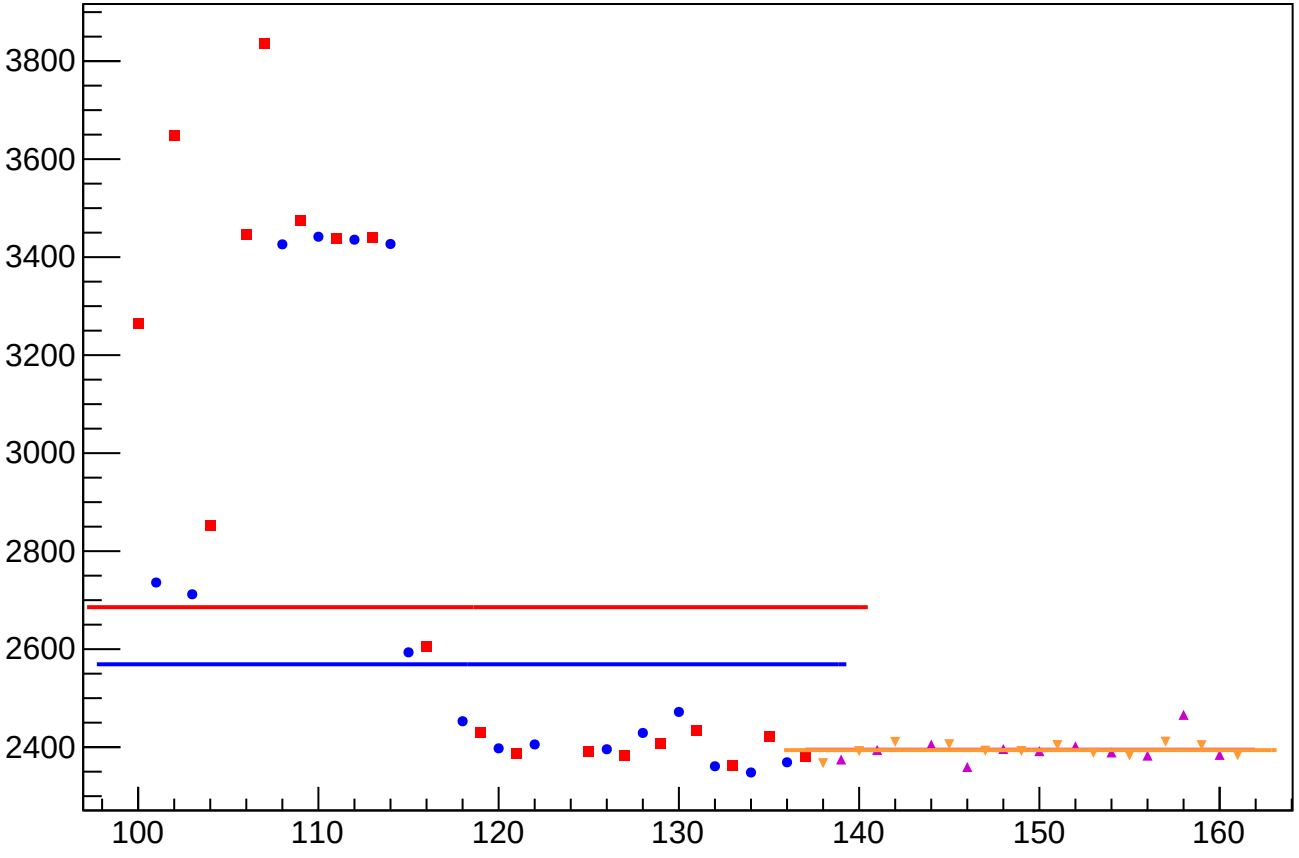
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1796.414+/-603.395 χ^2/NDF:31.5/26

Out: 1922.810+/-614.460 χ^2/NDF:31.5/29

All: 1858.464+/-430.524 χ^2/NDF: 63.0/56

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.969+/-0.548 χ^2/NDF:504.3/11

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

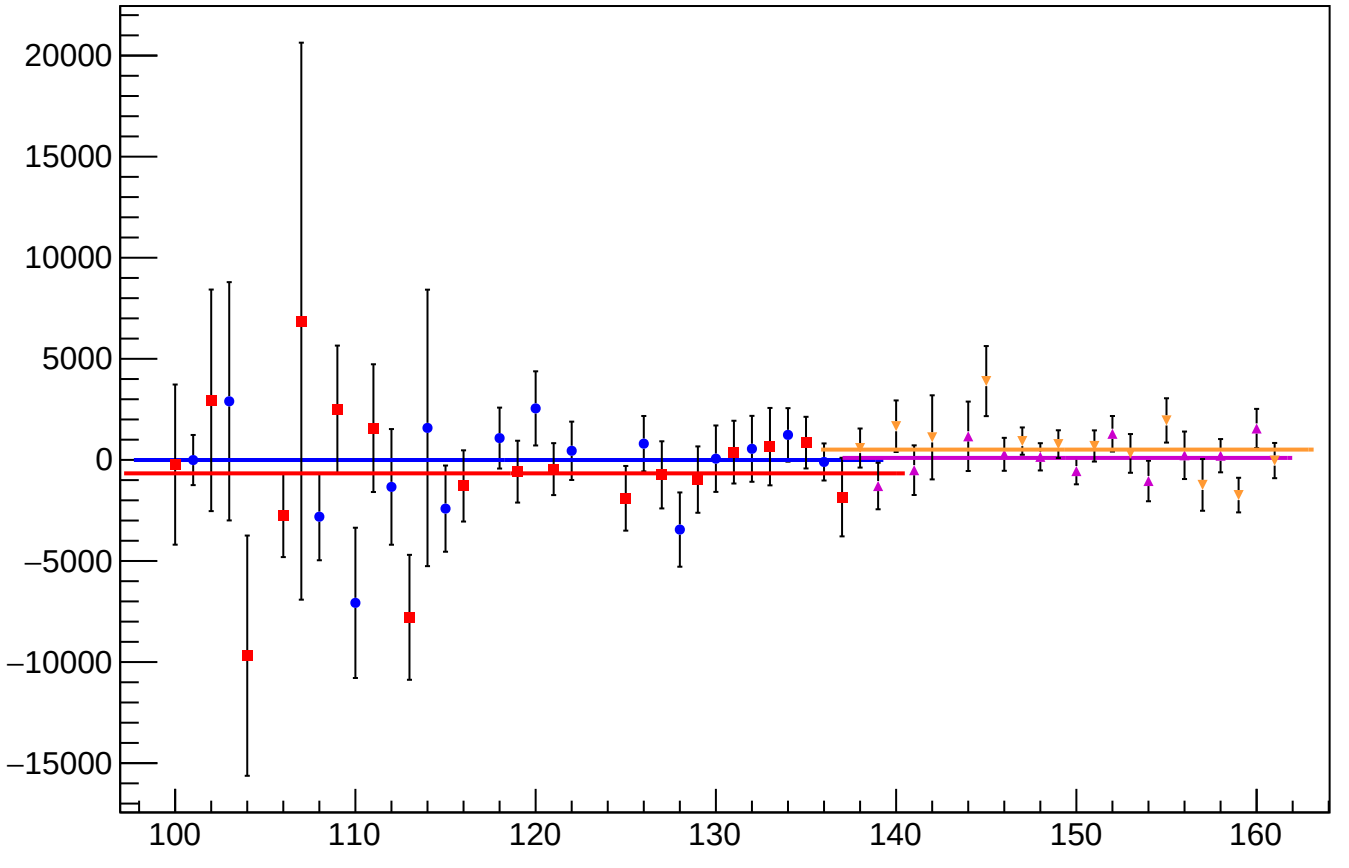
Left: 2394.359+/-0.387 χ^2/NDF: 2632.6/22

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2463.308+/-0.427 χ^2/NDF:271467.5/26

Out: 2502.127+/-0.434 χ^2/NDF:524928.5/29

All: 2482.365+/-0.304 χ^2/NDF: 800459.6/56



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 509.707+/-272.602 χ^2/NDF:16.3/11

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 97.968+/-273.702 χ^2/NDF:8.6/10

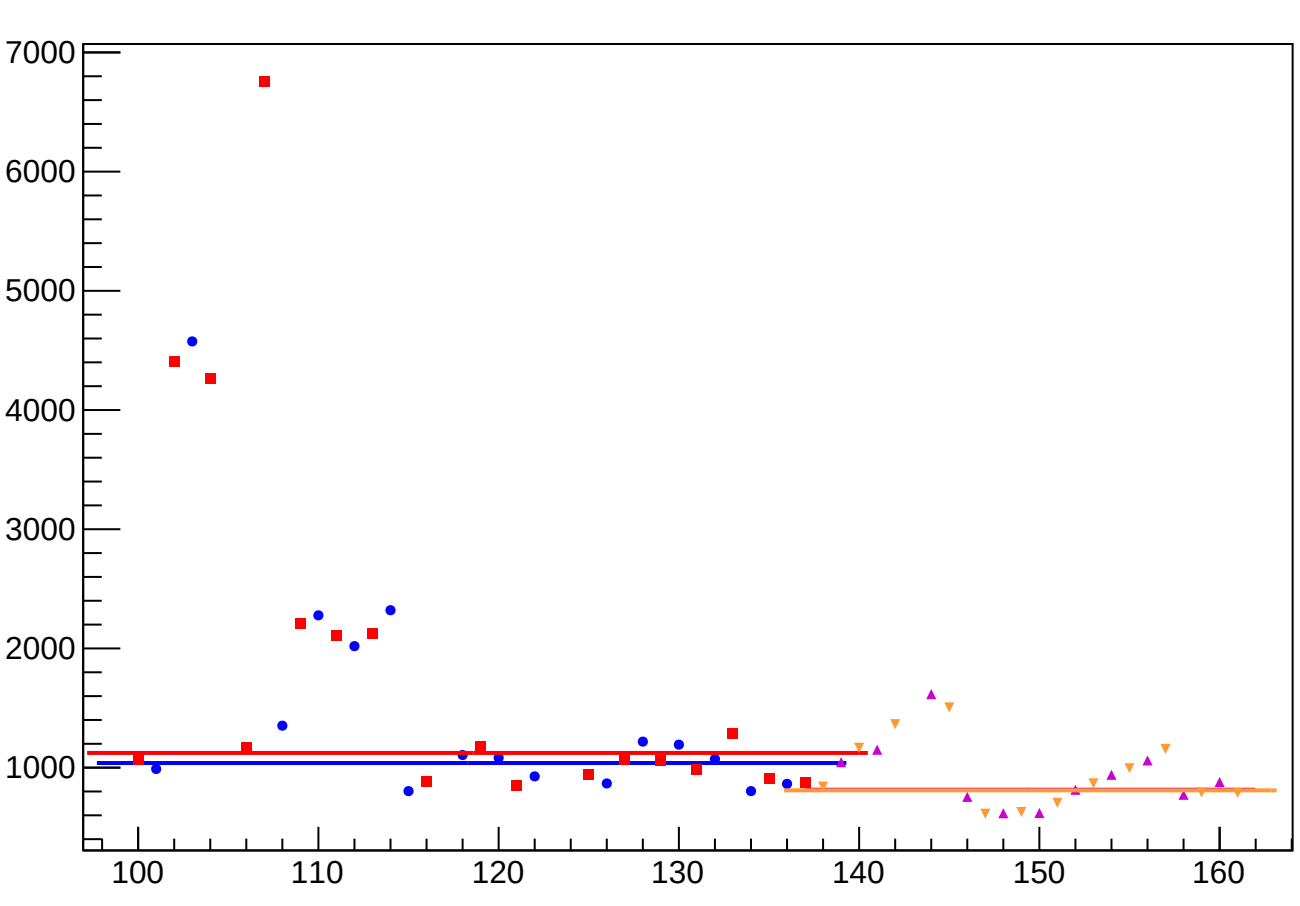
Left: 304.666+/-193.146 χ^2/NDF: 26.0/22

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 66.413+/-228.022 χ^2/NDF:23.1/26

Out: 204.642+/-234.583 χ^2/NDF:35.5/29

All: 133.567+/-163.506 χ^2/NDF: 58.8/56



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 809.506+/-0.193 χ^2/NDF:1182934.9/11

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 814.861+/-0.194 χ^2/NDF:1158780.0/10

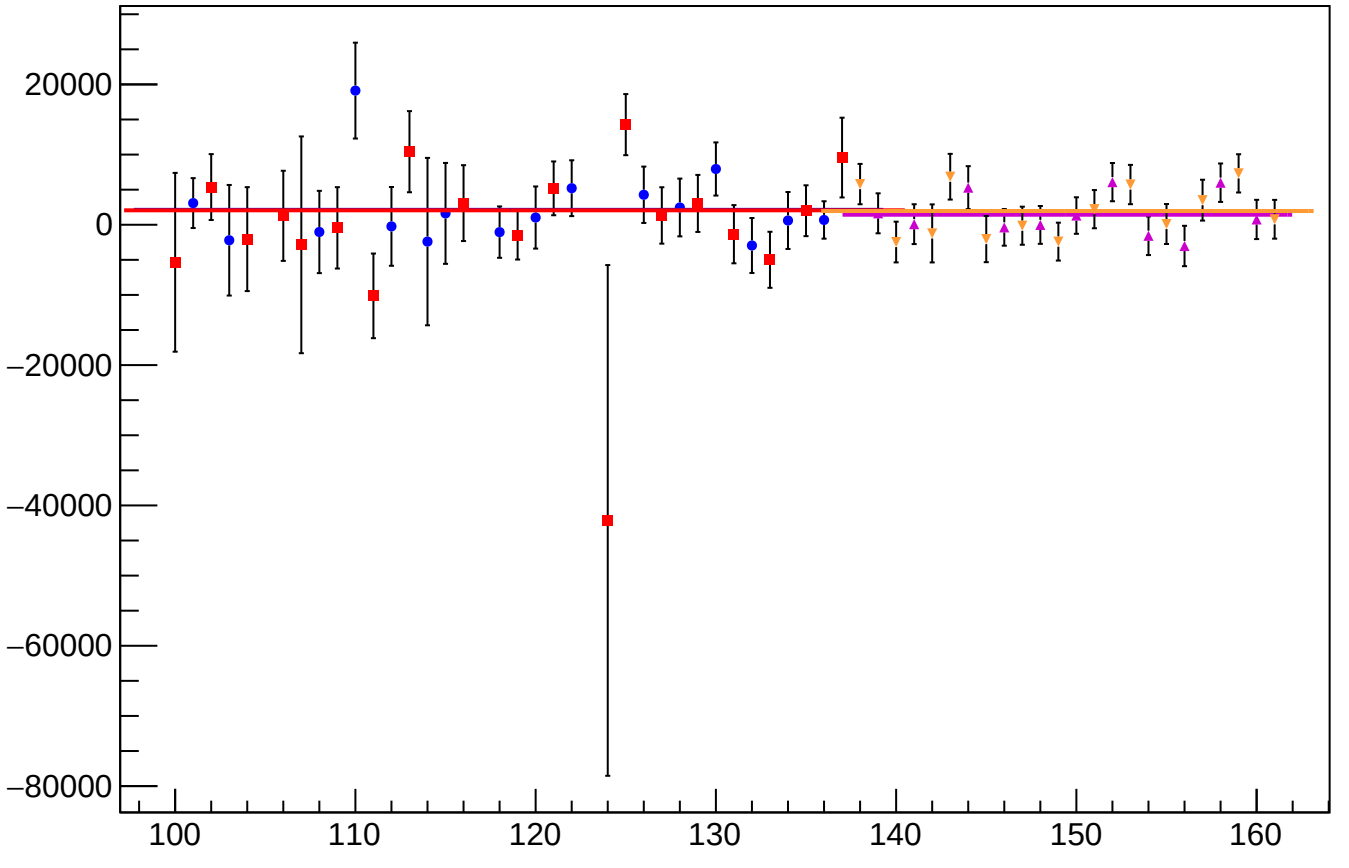
Left: 812.173+/-0.137 χ^2/NDF: 2342099.3/22

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 883.374+/-0.161 χ^2/NDF:3108126.3/26

Out: 890.976+/-0.166 χ^2/NDF:4406862.9/29

All: 887.067+/-0.116 χ^2/NDF: 7516069.1/56



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1957.780+/-809.356 χ^2/NDF:18.2/12

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1430.335+/-834.894 χ^2/NDF:11.9/10

Left: 1702.248+/-581.120 χ^2/NDF: 30.3/23

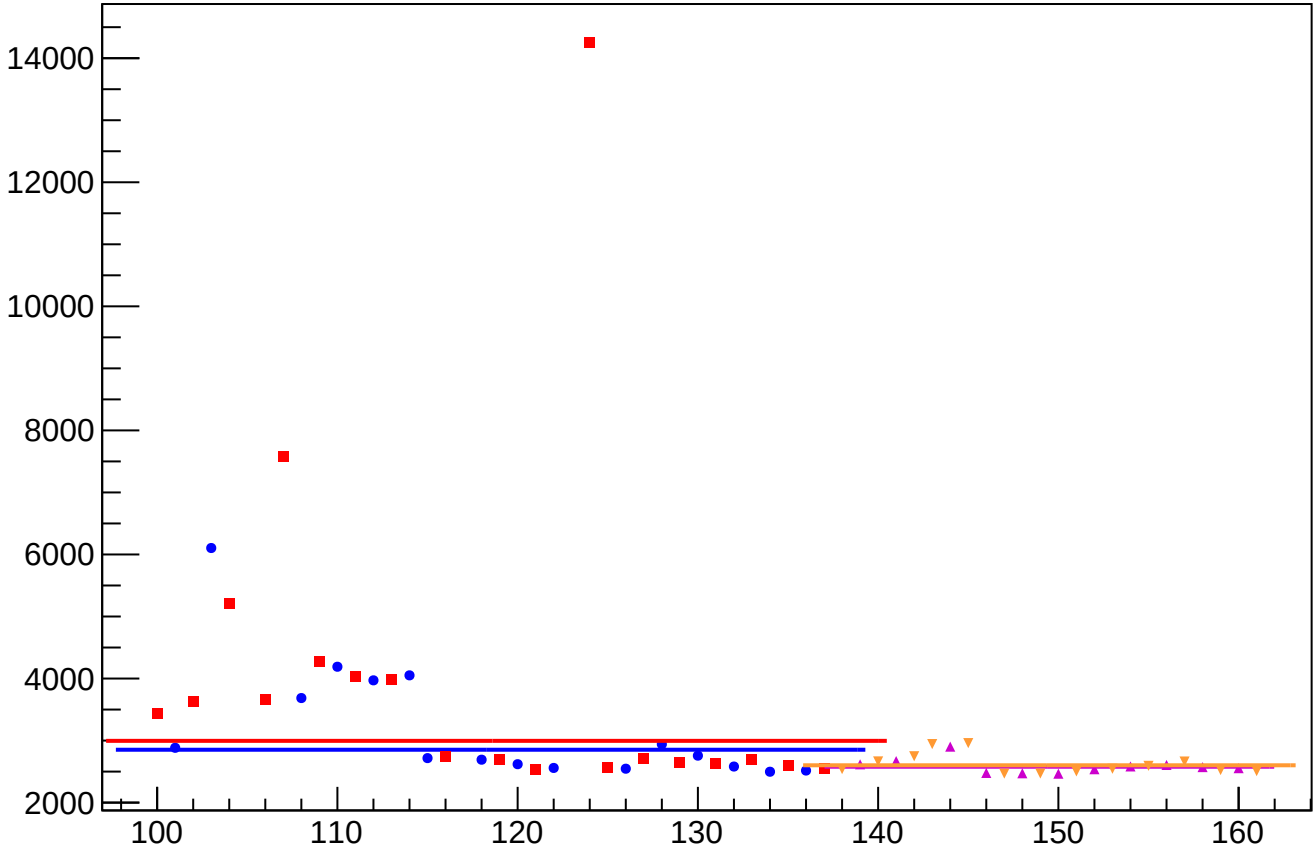
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1687.654+/-661.607 χ^2/NDF:25.5/26

Out: 1992.077+/-659.326 χ^2/NDF:42.5/31

All: 1840.391+/-467.018 χ^2/NDF: 68.2/58

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2601.652+/-0.572 χ^2/NDF:67873.2/12

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2578.283+/-0.590 χ^2/NDF:35305.8/10

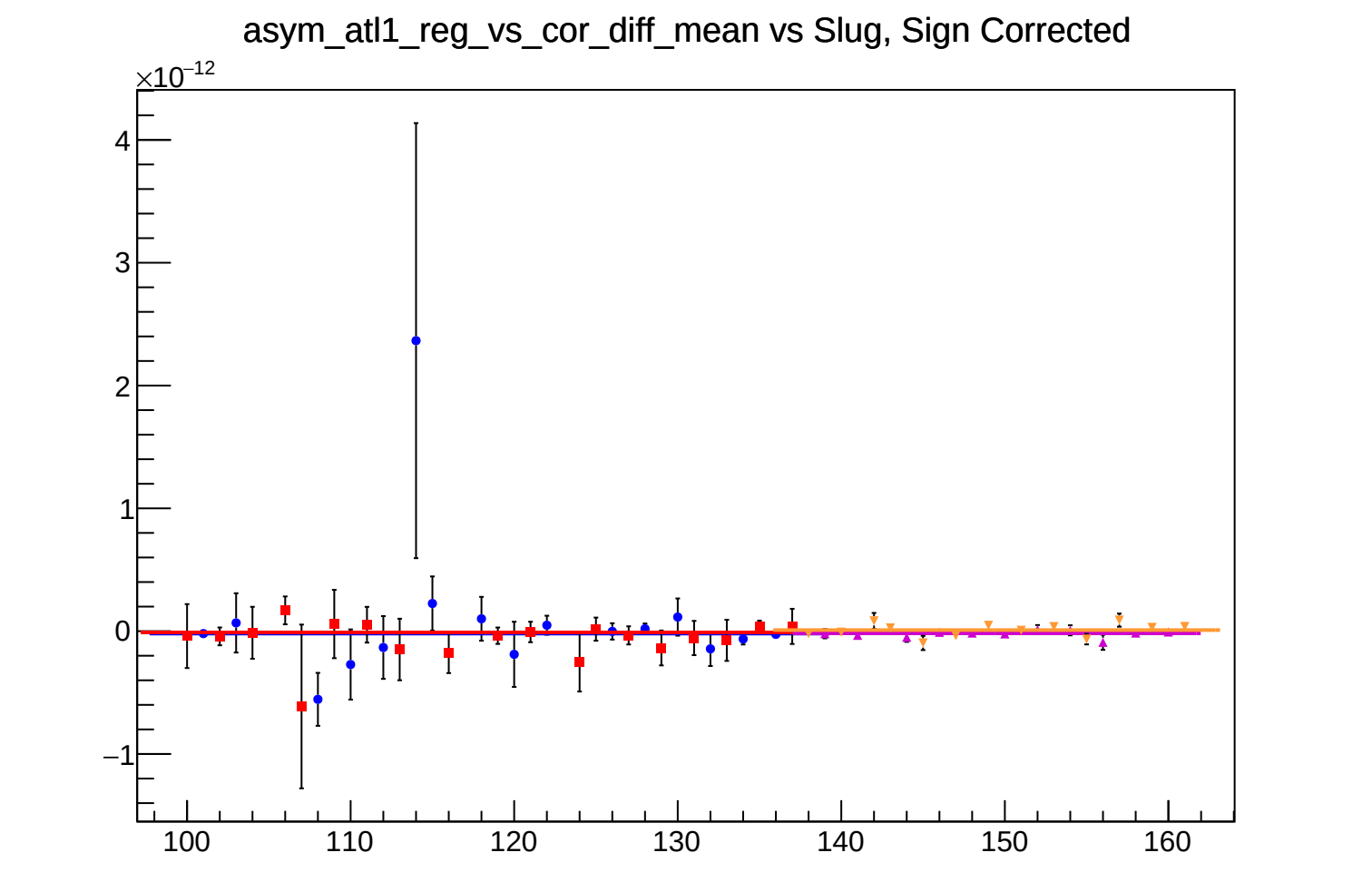
Left: 2590.330+/-0.411 χ^2/NDF: 103986.9/23

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2680.191+/-0.468 χ^2/NDF:764116.1/26

Out: 2734.142+/-0.466 χ^2/NDF:1206369.3/31

All: 2707.260+/-0.330 χ^2/NDF: 1977158.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/10

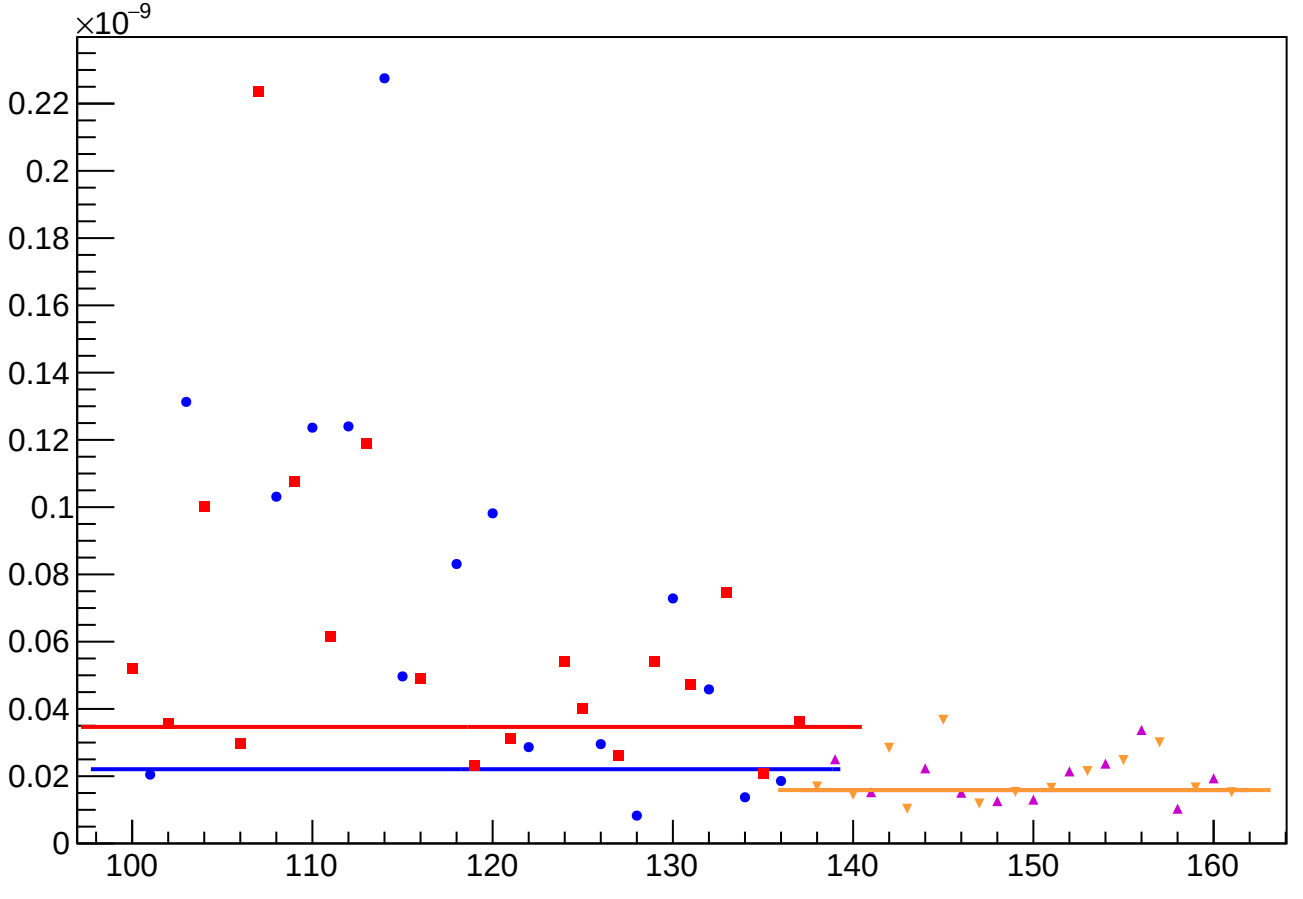
Left: -0.000+/-0.000 χ^2/NDF: 29.4/23

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.1/26

Out: 0.000+/-0.000 χ^2/NDF:29.8/31

All: -0.000+/-0.000 χ^2/NDF: 54.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:854329.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:721834.6/10

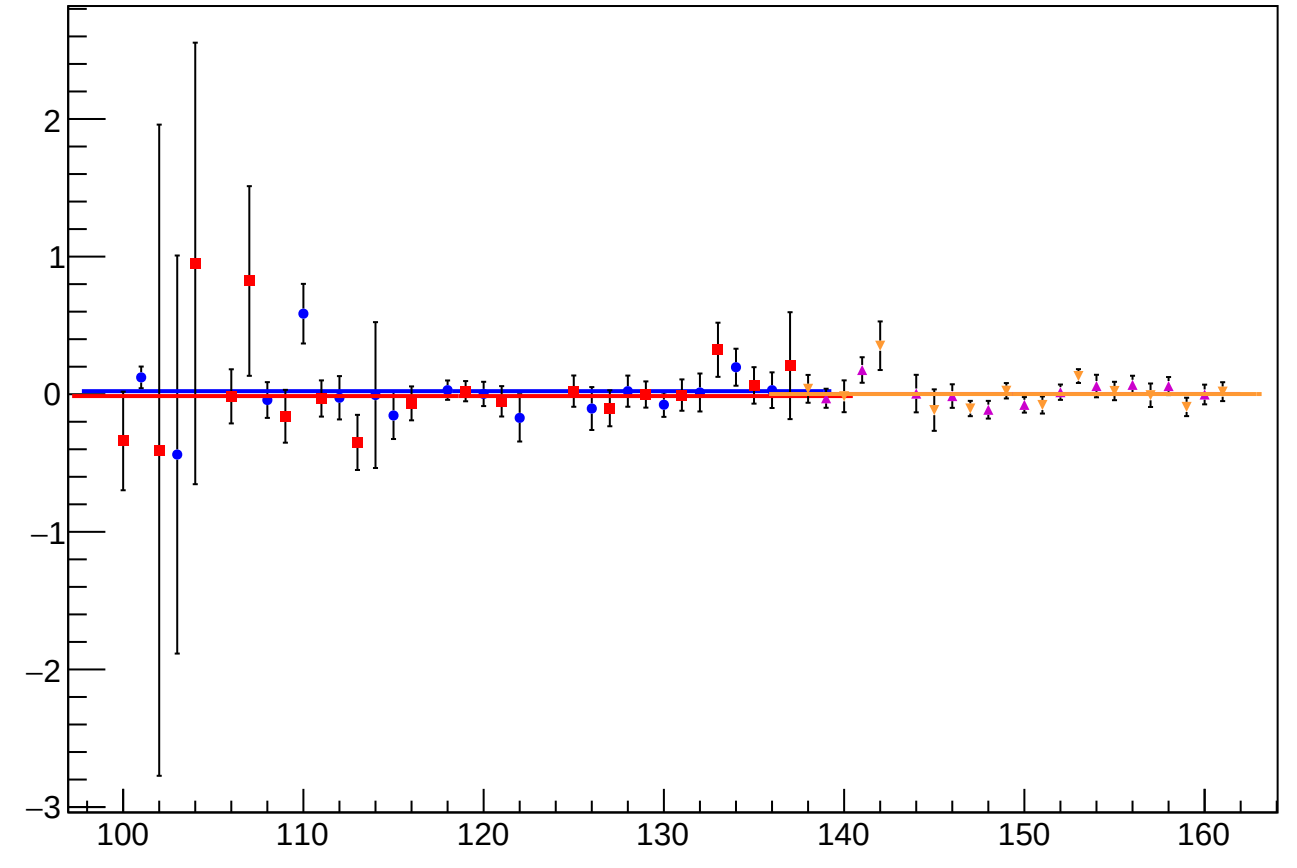
Left: 0.000+/-0.000 χ^2/NDF: 1576164.3/23

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3272649.3/26

Out: 0.000+/-0.000 χ^2/NDF:3162146.4/31

All: 0.000+/-0.000 χ^2/NDF: 6439639.6/58



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.021 χ^2/NDF:11.2/10

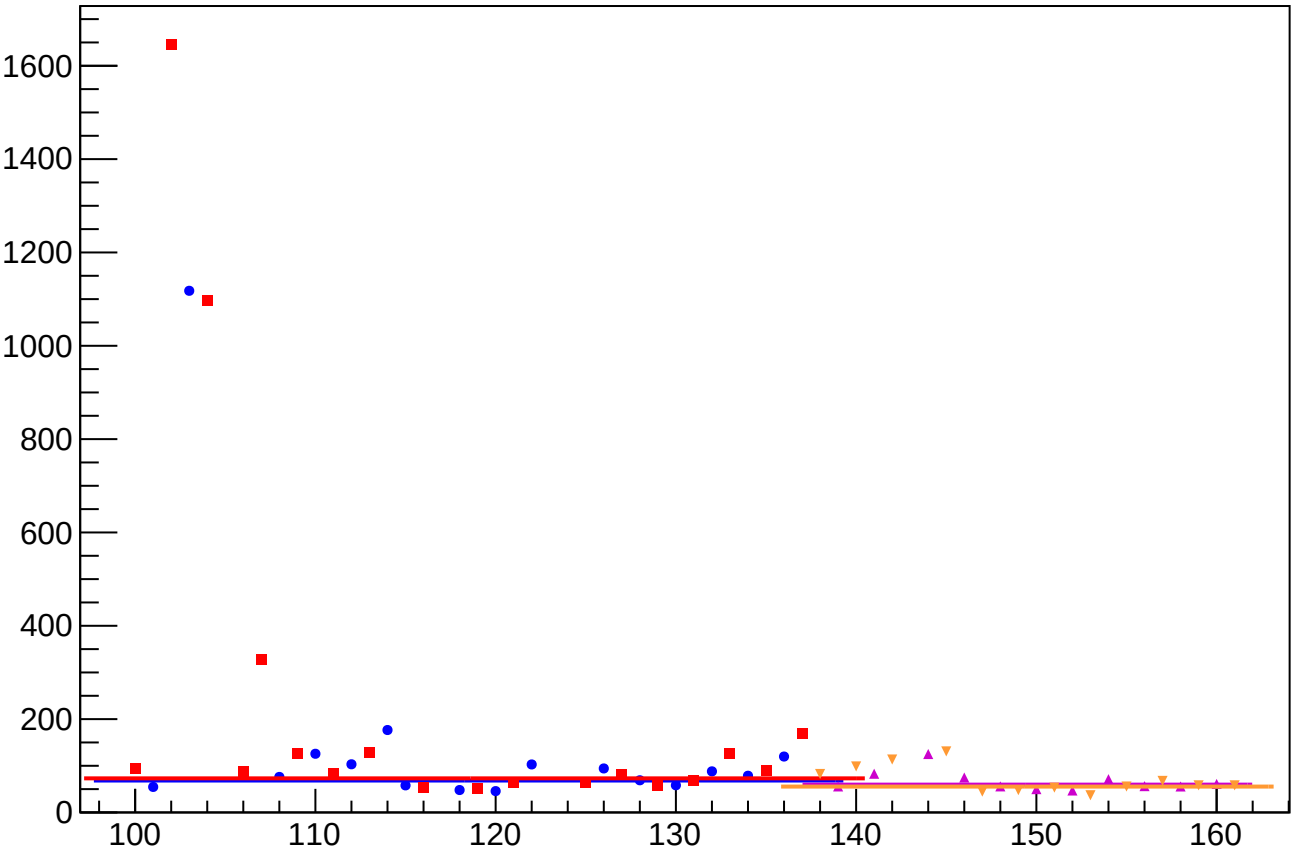
Left: 0.002+/-0.015 χ^2/NDF: 30.2/22

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.003+/-0.018 χ^2/NDF:30.0/29

All: 0.003+/-0.012 χ^2/NDF: 56.5/56



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573246.1/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

Left: 57.471+/-0.010 χ^2/NDF: 2492209.9/22

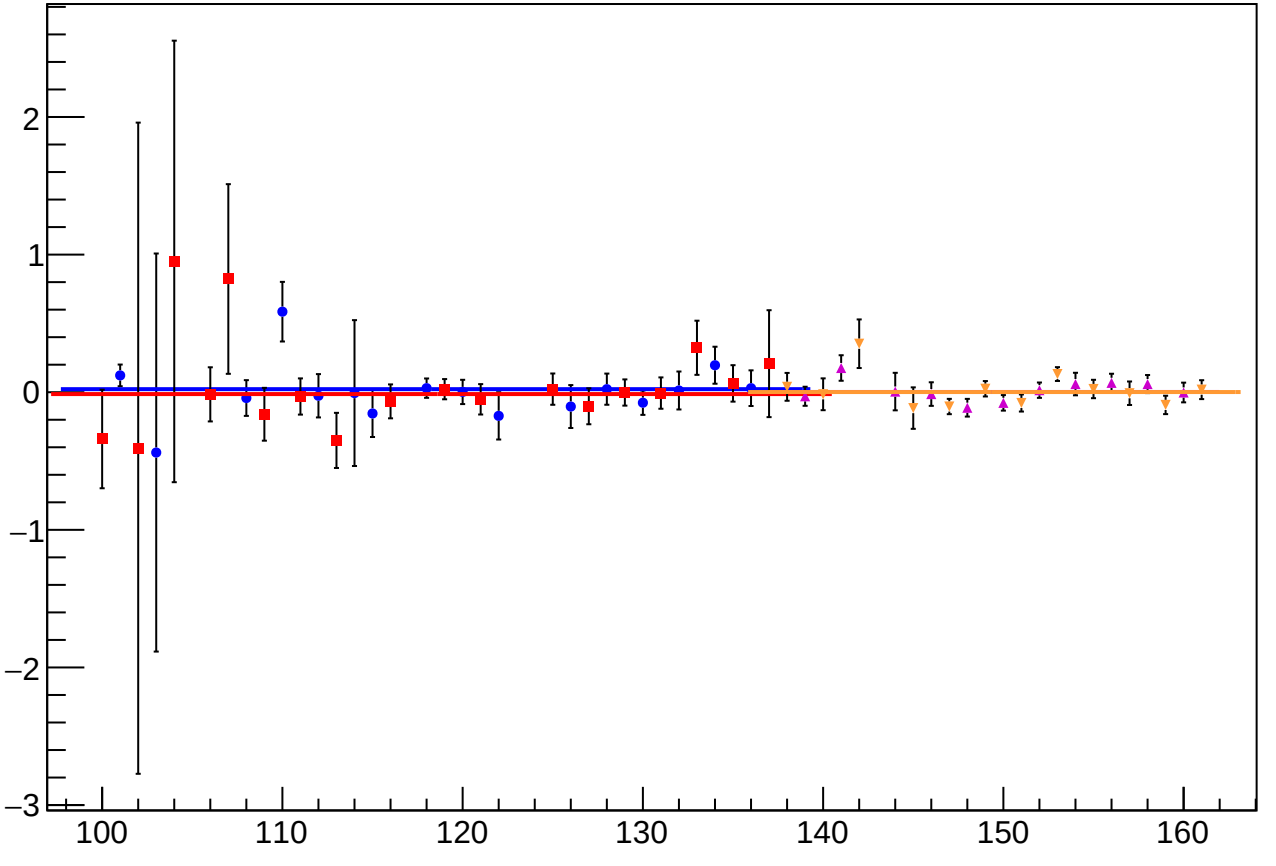
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.560+/-0.012 χ^2/NDF:3271490.2/26

Out: 60.313+/-0.012 χ^2/NDF:4887450.4/29

All: 61.447+/-0.009 χ^2/NDF: 8175426.1/56

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: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.021 χ^2/NDF:11.2/10

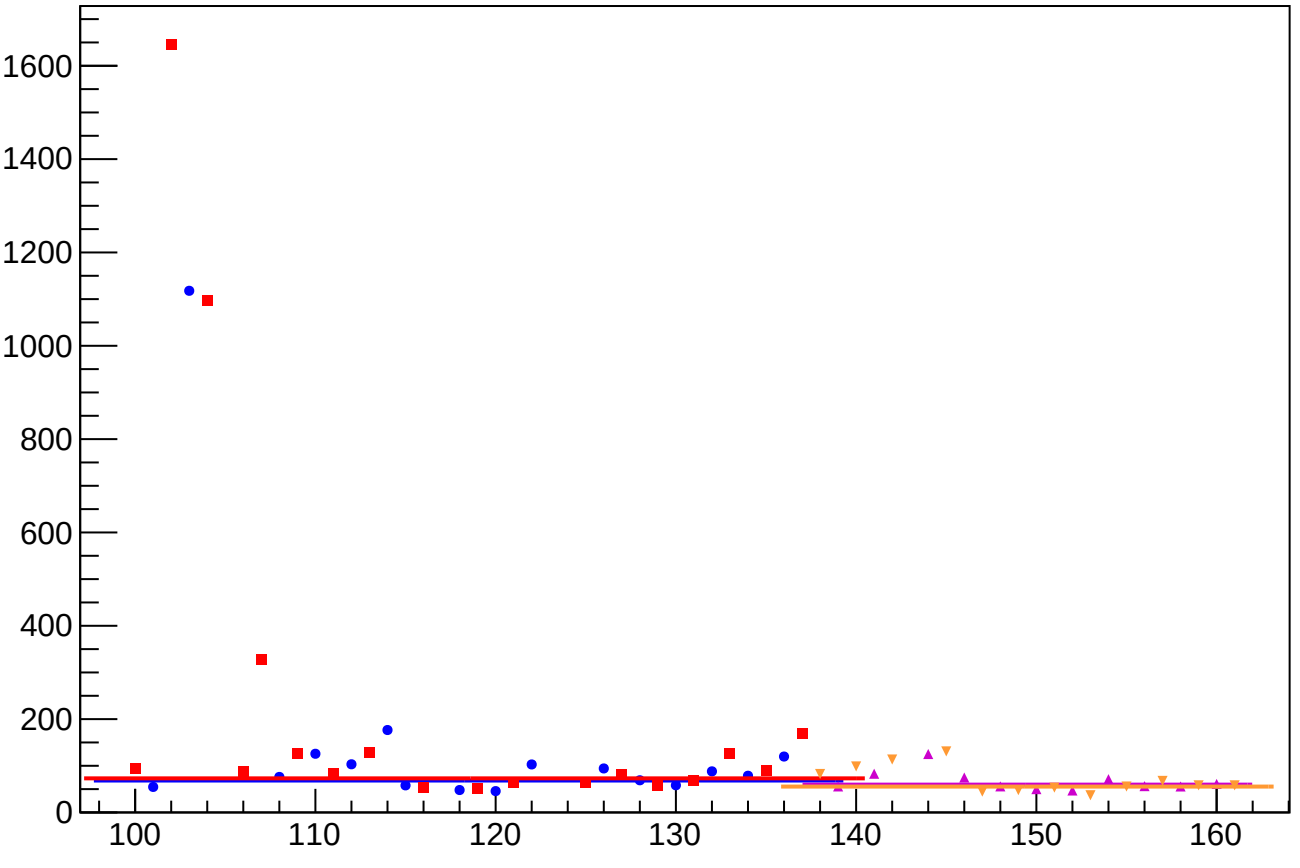
Left: 0.002+/-0.015 χ^2/NDF: 30.2/22

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.003+/-0.018 χ^2/NDF:30.0/29

All: 0.003+/-0.012 χ^2/NDF: 56.5/56



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573246.1/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

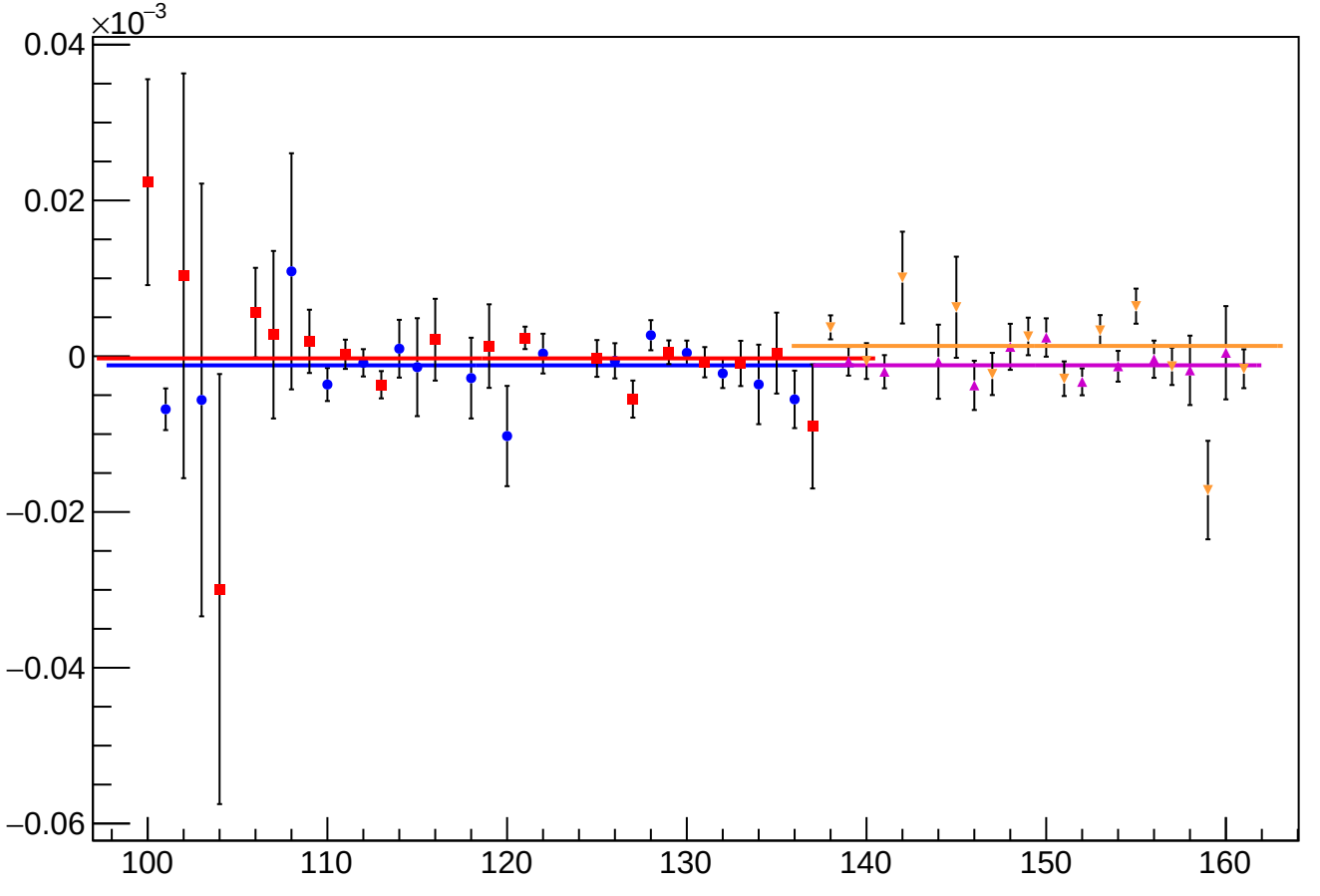
Left: 57.471+/-0.010 χ^2/NDF: 2492209.9/22

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.560+/-0.012 χ^2/NDF:3271490.2/26

Out: 60.313+/-0.012 χ^2/NDF:4887450.4/29

All: 61.447+/-0.009 χ^2/NDF: 8175426.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

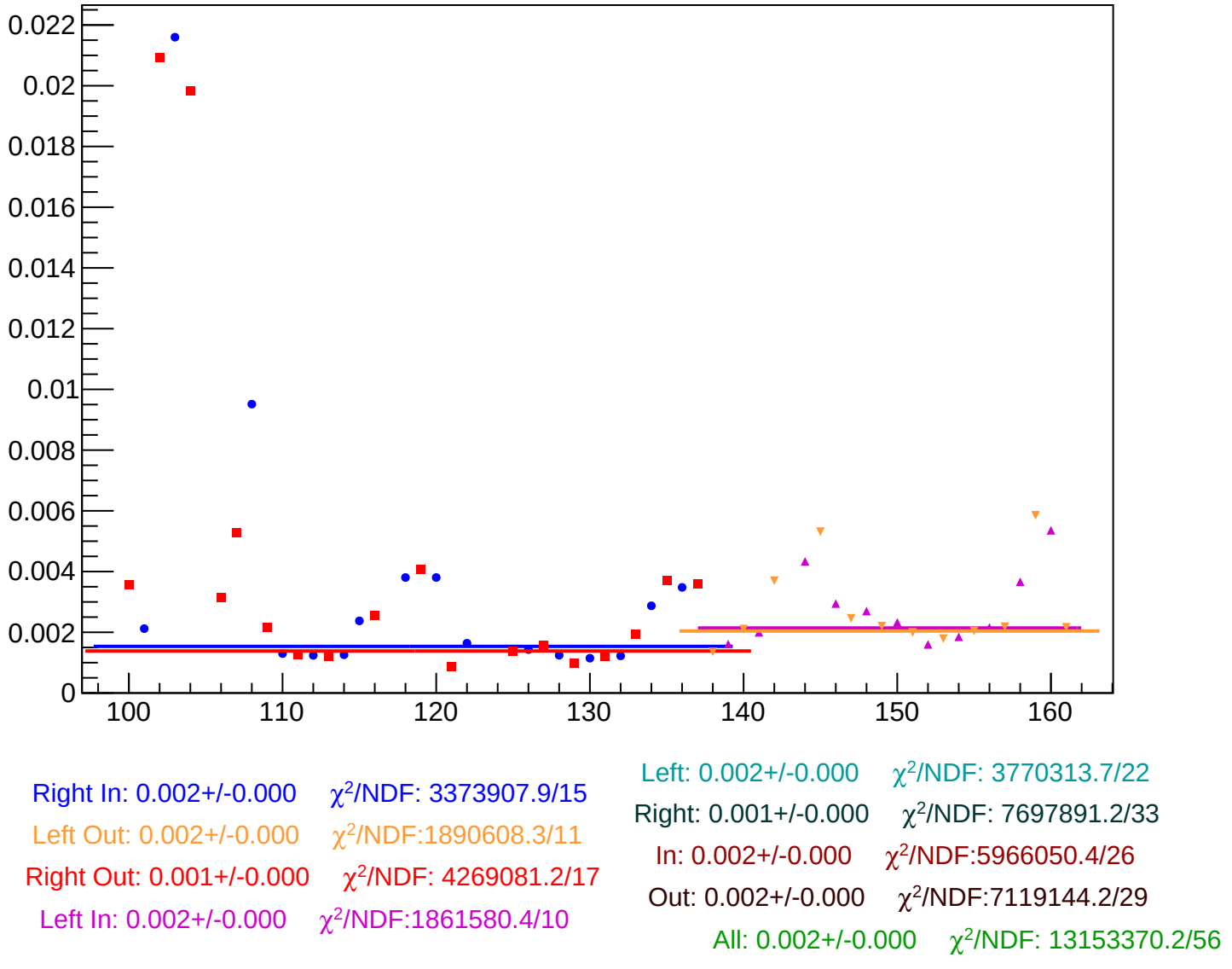
Left: 0.000+/-0.000 χ^2/NDF: 40.0/22

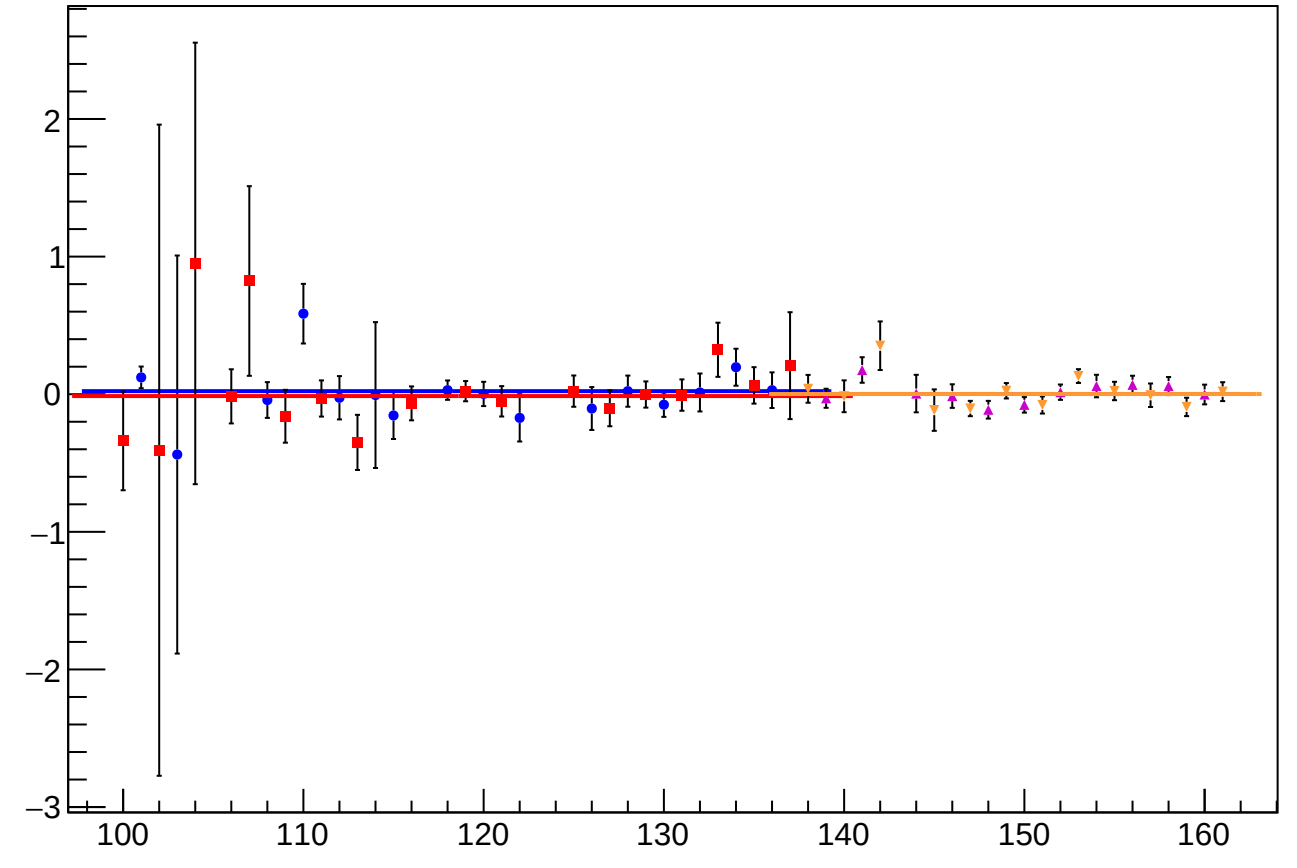
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:51.2/29

All: -0.000+/-0.000 χ^2/NDF: 78.3/56


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1890608.3/11
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:1861580.4/10
Left: 0.002+/-0.000 χ²/NDF: 3770313.7/22
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:5966050.4/26
Out: 0.002+/-0.000 χ²/NDF:7119144.2/29
All: 0.002+/-0.000 χ²/NDF: 13153370.2/56



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.021 χ^2/NDF:11.2/10

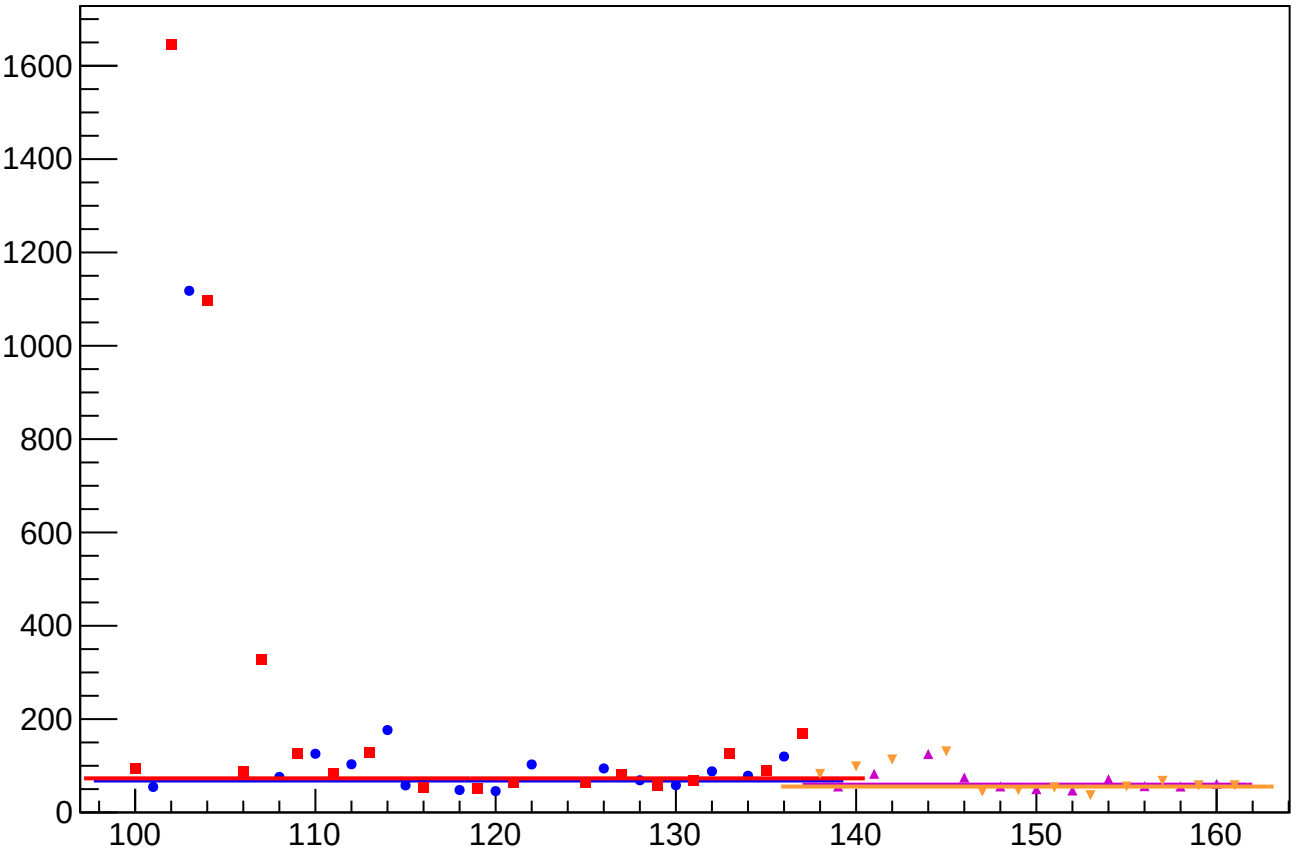
Left: 0.002+/-0.015 χ^2/NDF: 30.2/22

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.003+/-0.018 χ^2/NDF:30.0/29

All: 0.003+/-0.012 χ^2/NDF: 56.5/56



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573312.6/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

Left: 57.471+/-0.010 χ^2/NDF: 2492264.1/22

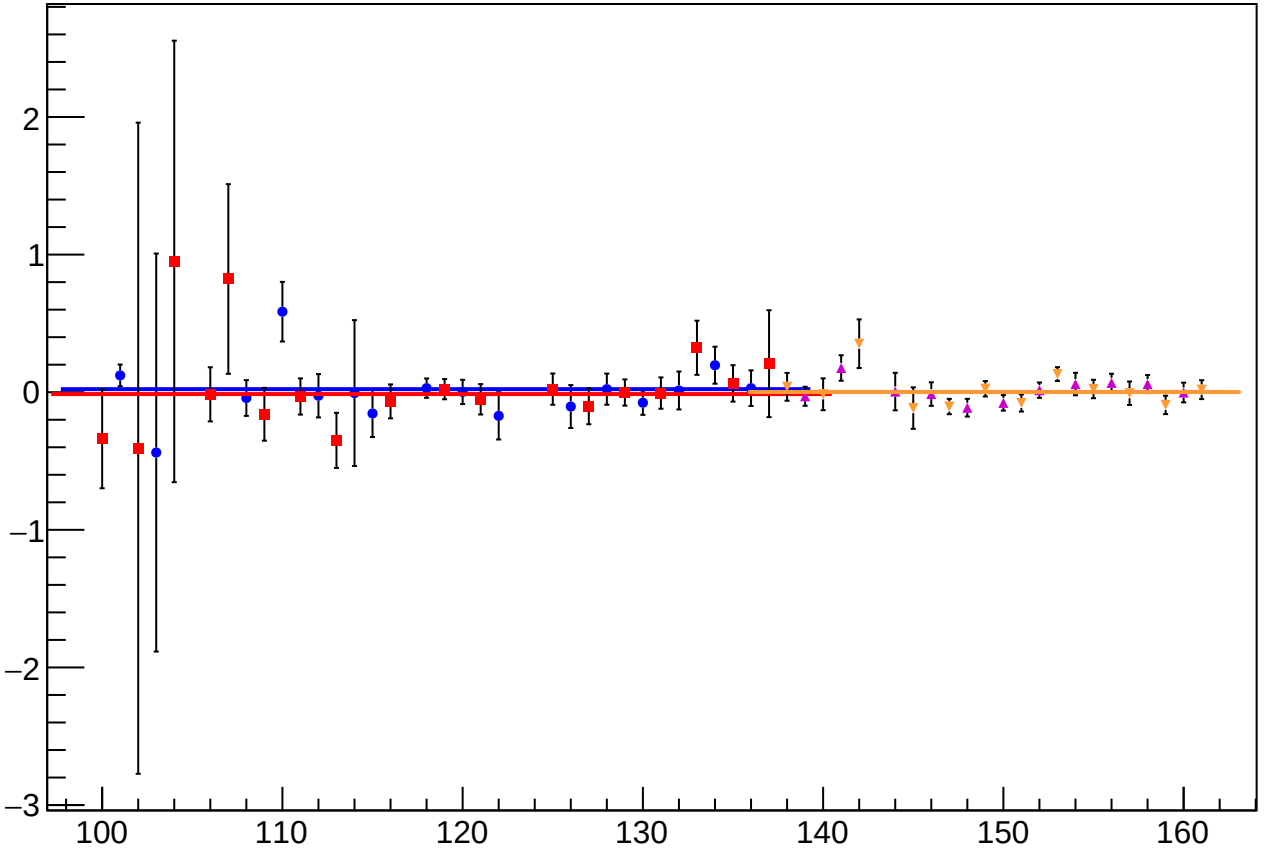
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.560+/-0.012 χ^2/NDF:3271522.8/26

Out: 60.313+/-0.012 χ^2/NDF:4887518.8/29

All: 61.447+/-0.009 χ^2/NDF: 8175529.6/56

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: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.021 χ^2/NDF:11.2/10

Left: 0.002+/-0.015 χ^2/NDF: 30.2/22

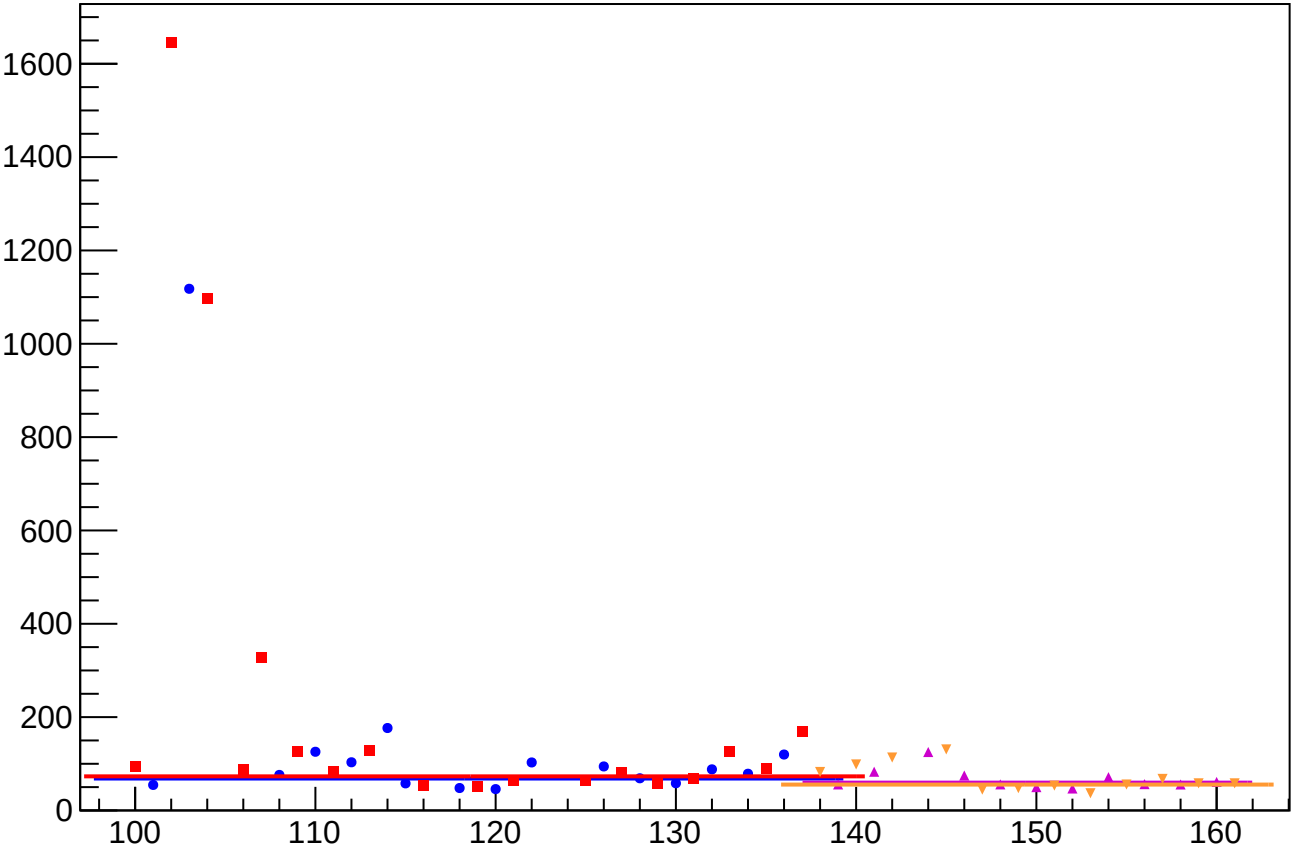
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.009+/-0.017 χ^2/NDF:26.3/26

Out: -0.003+/-0.018 χ^2/NDF:30.0/29

All: 0.003+/-0.012 χ^2/NDF: 56.5/56

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573312.6/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

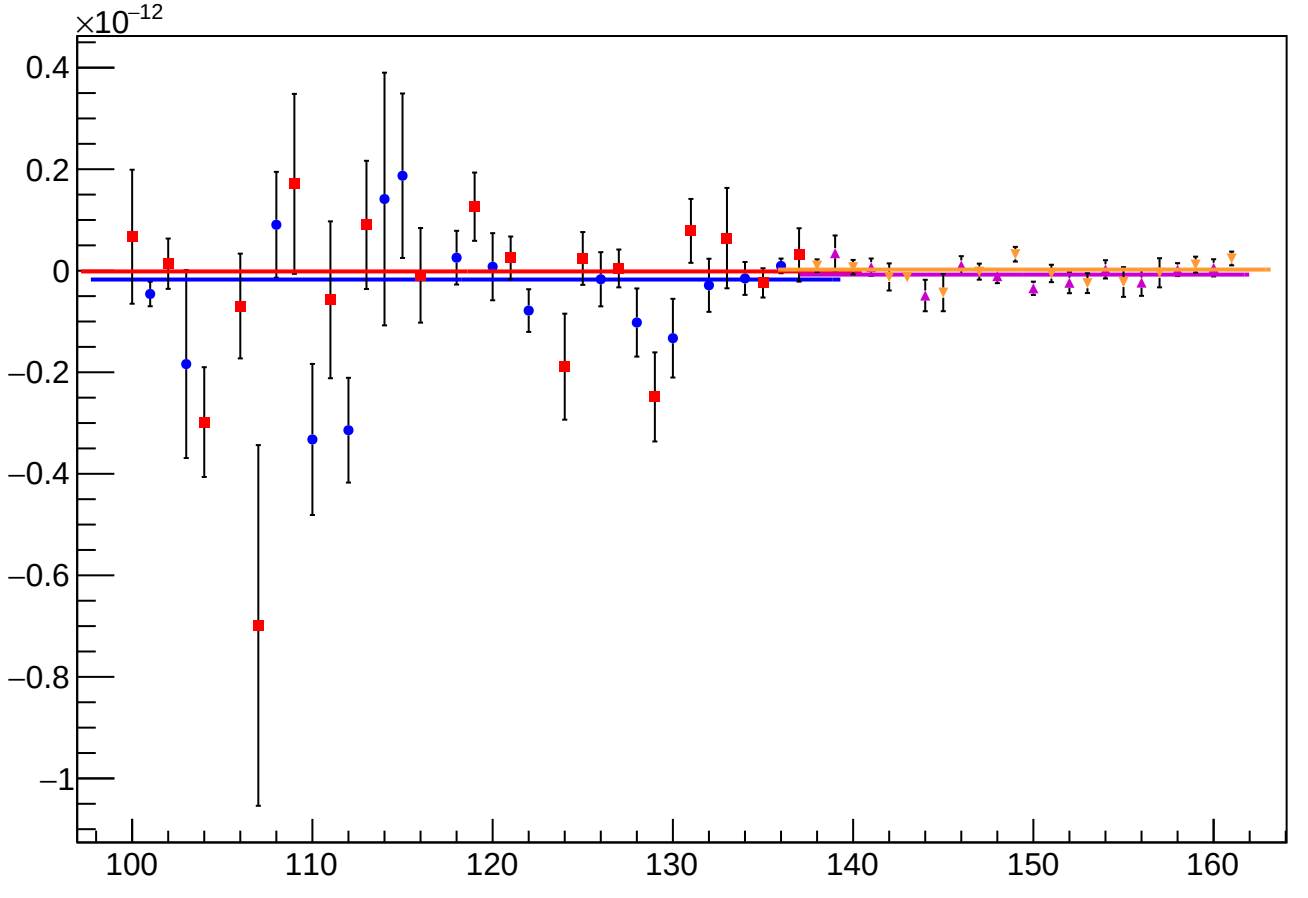
Left: 57.471+/-0.010 χ^2/NDF: 2492264.1/22

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.560+/-0.012 χ^2/NDF:3271522.8/26

Out: 60.313+/-0.012 χ^2/NDF:4887518.8/29

All: 61.447+/-0.009 χ^2/NDF: 8175529.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/10

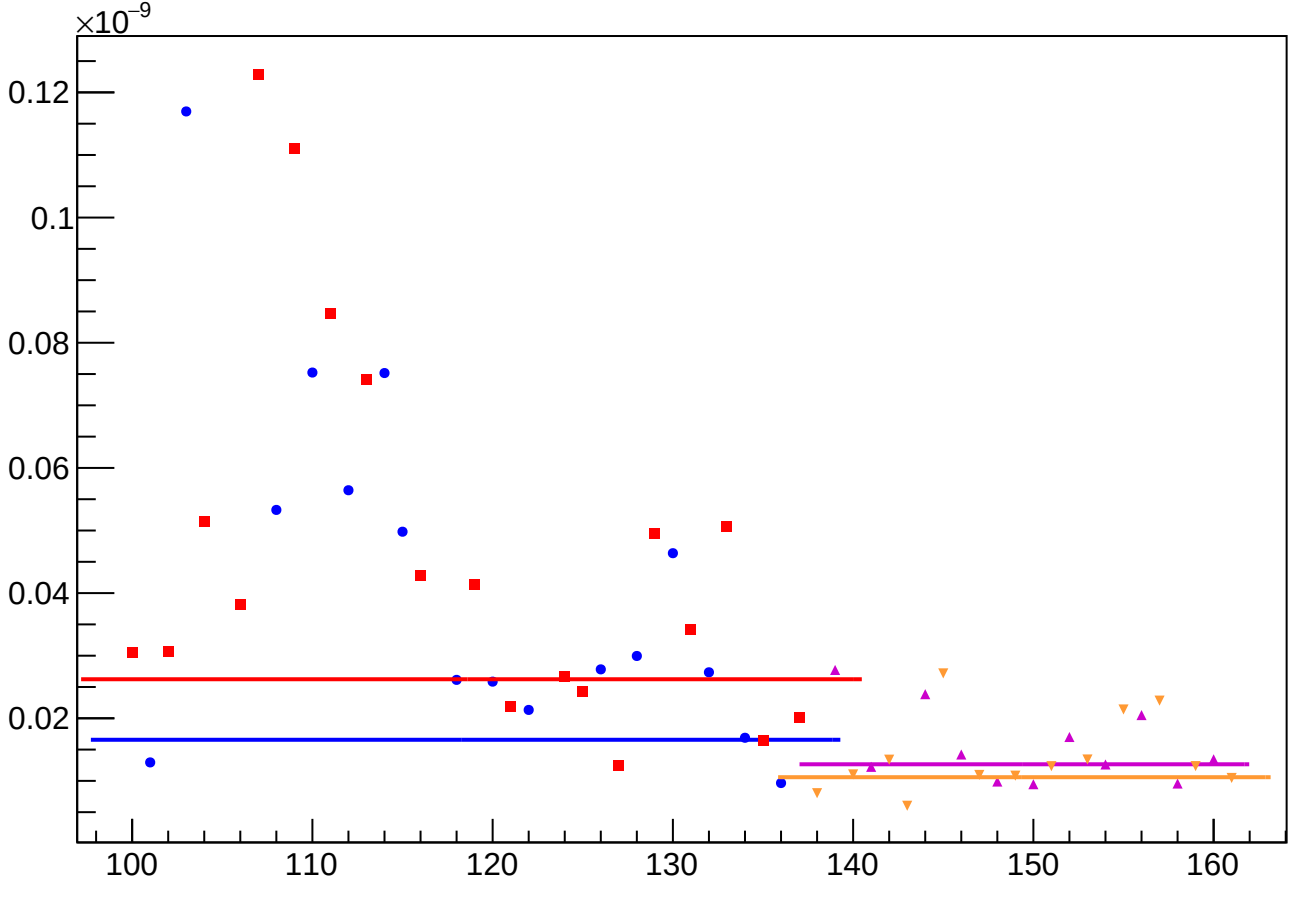
Left: -0.000+/-0.000 χ^2/NDF: 28.9/23

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:40.7/26

Out: 0.000+/-0.000 χ^2/NDF:47.5/31

All: -0.000+/-0.000 χ^2/NDF: 91.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1722126.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1238409.5/10

Left: 0.000+/-0.000 χ^2/NDF: 3140856.3/23

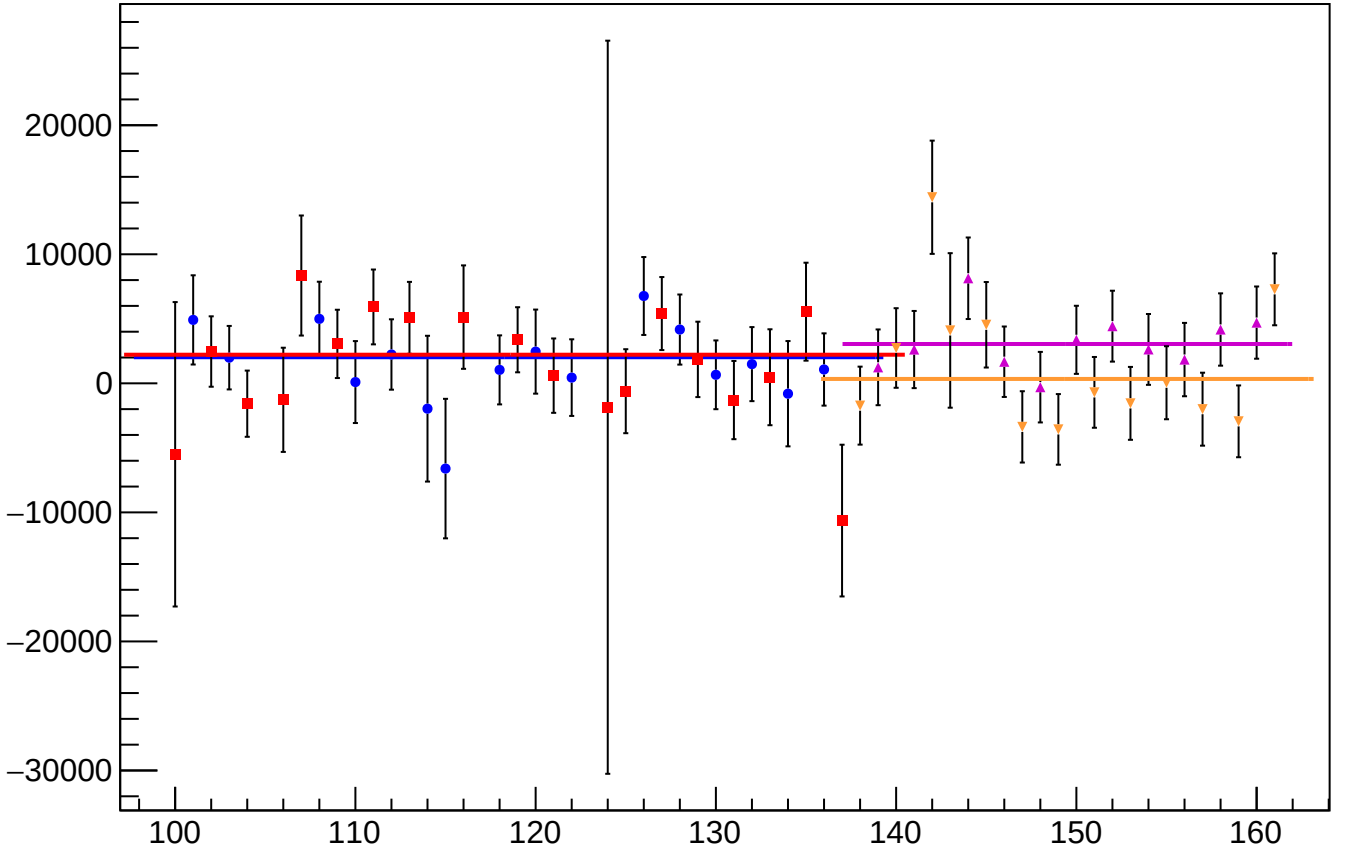
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4301858.8/26

Out: 0.000+/-0.000 χ^2/NDF:6268708.1/31

All: 0.000+/-0.000 χ^2/NDF: 10693718.4/58

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 339.904+/-840.181 χ^2/NDF:26.1/12

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3047.111+/-850.003 χ^2/NDF:5.7/10

Left: 1677.776+/-597.540 χ^2/NDF: 37.0/23

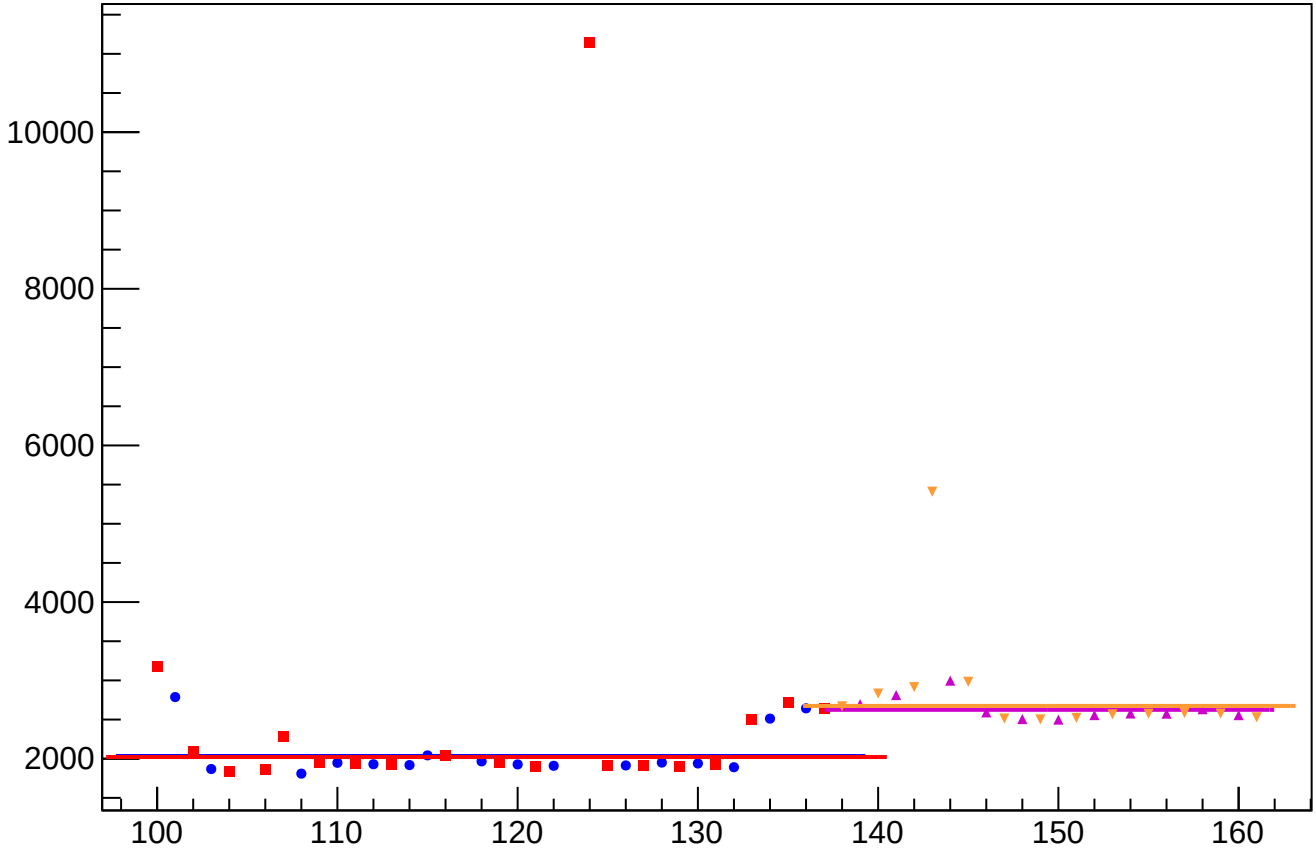
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2480.705+/-568.357 χ^2/NDF:16.1/26

Out: 1377.147+/-562.042 χ^2/NDF:47.0/31

All: 1922.761+/-399.637 χ^2/NDF: 65.1/58

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

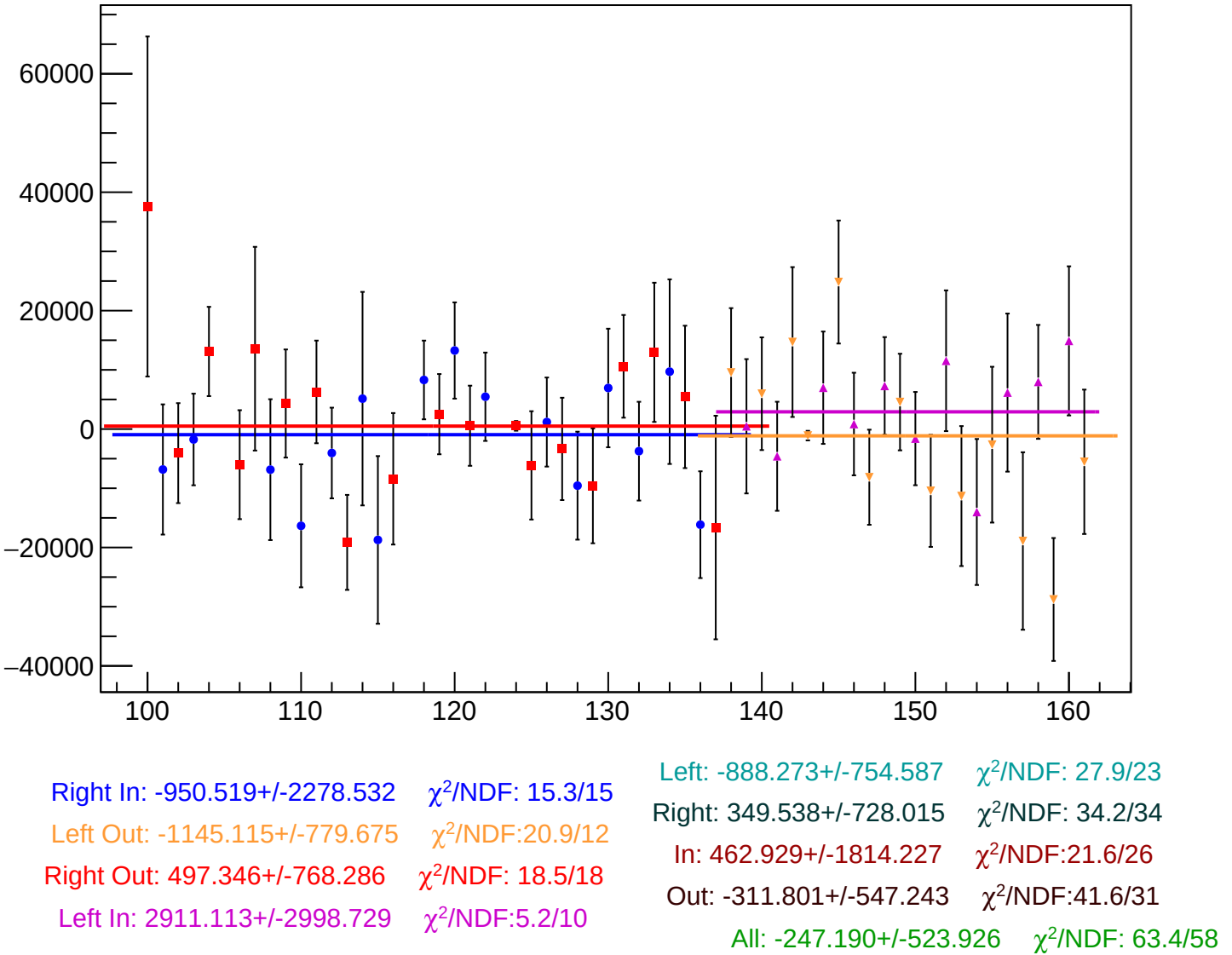
Left: 2649.432+/-0.423 χ^2/NDF: 534610.2/23

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

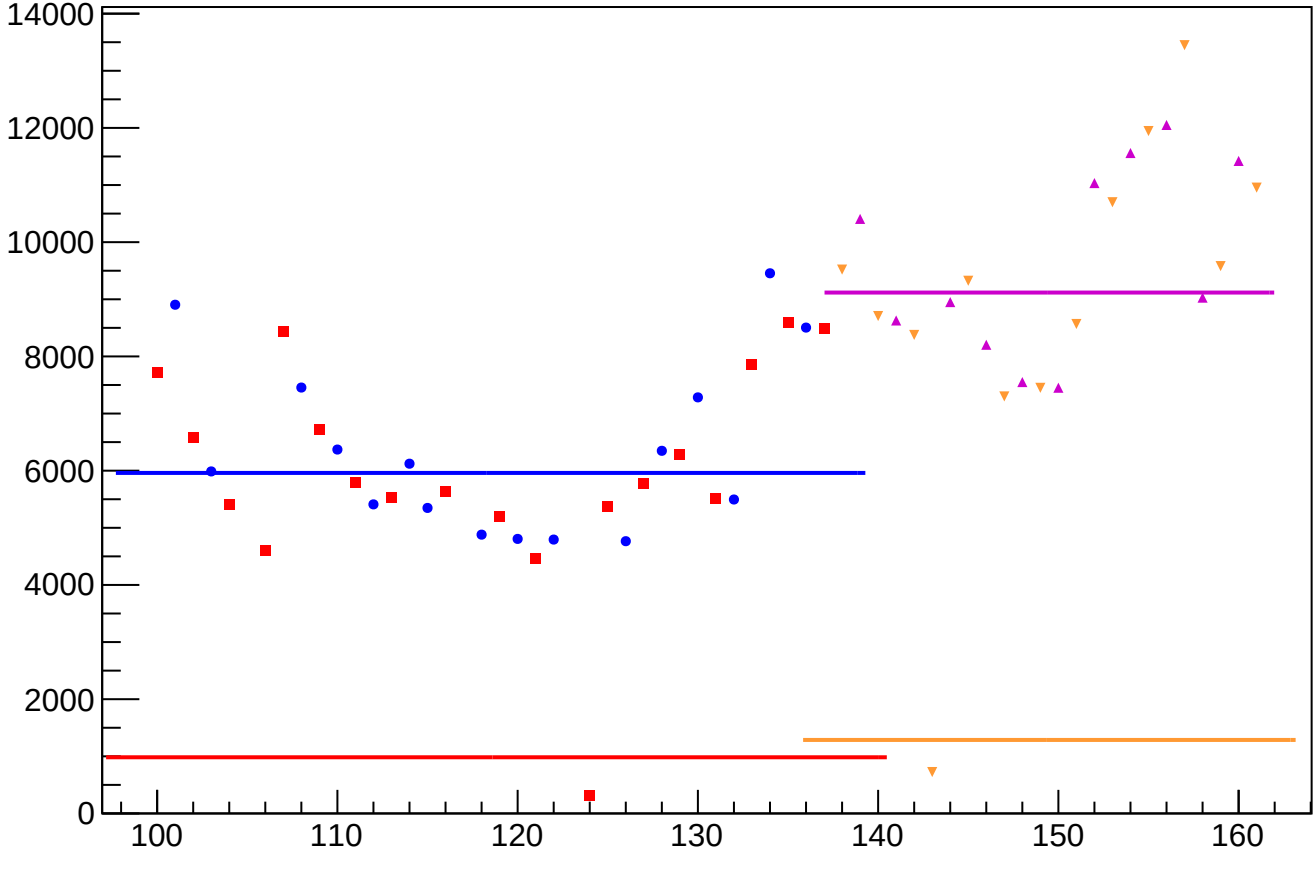
In: 2297.989+/-0.402 χ^2/NDF:844955.6/26

Out: 2313.530+/-0.397 χ^2/NDF:1538851.9/31

All: 2305.847+/-0.283 χ^2/NDF: 2384563.6/58


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1145.115+/-779.675 χ²/NDF:20.9/12
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2911.113+/-2998.729 χ²/NDF:5.2/10
Left: -888.273+/-754.587 χ²/NDF: 27.9/23
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 462.929+/-1814.227 χ²/NDF:21.6/26
Out: -311.801+/-547.243 χ²/NDF:41.6/31
All: -247.190+/-523.926 χ²/NDF: 63.4/58

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1286.857+/-0.551 χ^2/NDF:15034147.8/12

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9117.927+/-2.120 χ^2/NDF:510180.0/10

Left: 1782.724+/-0.534 χ^2/NDF: 28320149.2/23

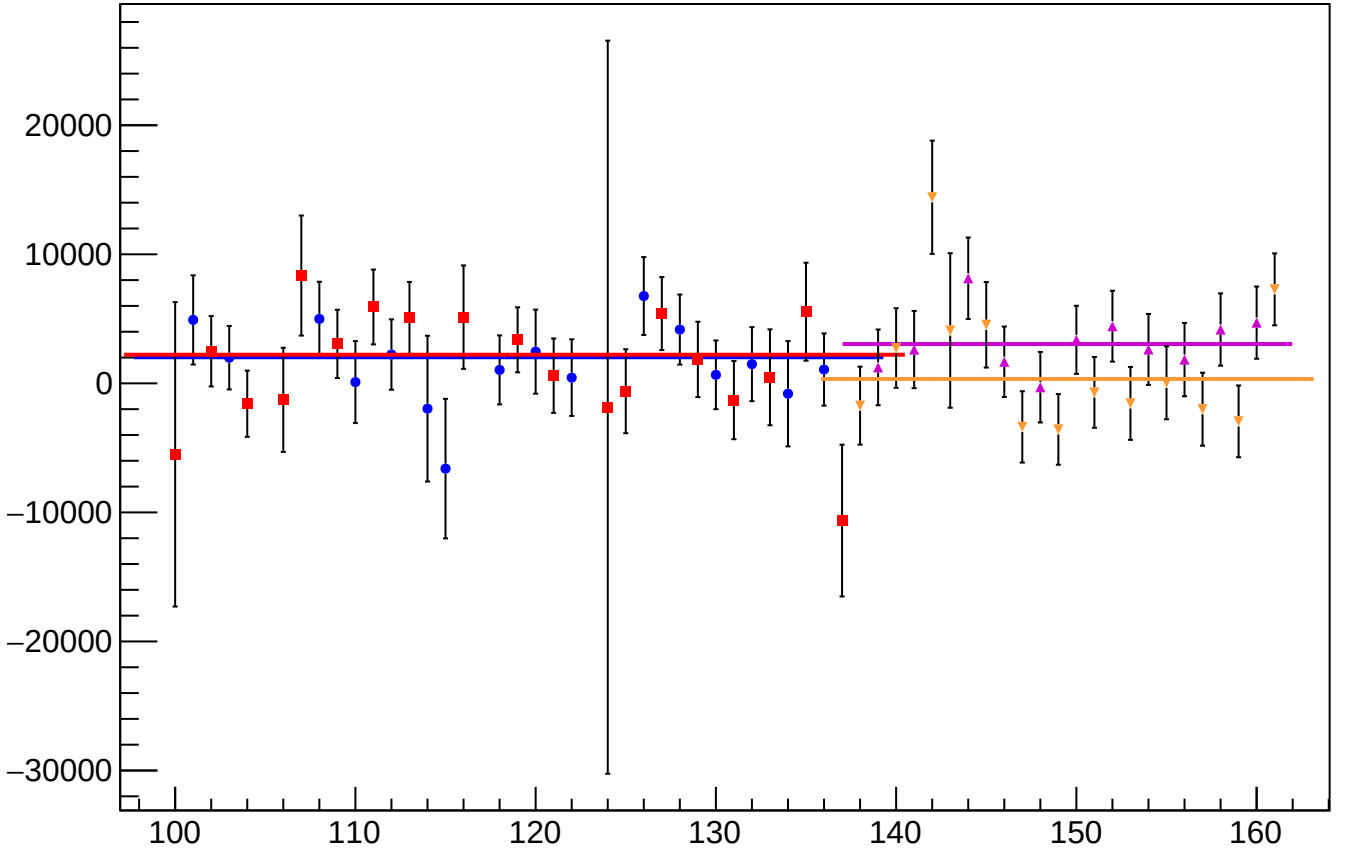
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7116.384+/-1.283 χ^2/NDF:2604887.7/26

Out: 1132.854+/-0.387 χ^2/NDF:26604635.4/31

All: 1631.870+/-0.370 χ^2/NDF: 49150309.2/5

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 340.013+/-840.181 χ^2/NDF:26.1/12

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3047.208+/-850.003 χ^2/NDF:5.7/10

Left: 1677.879+/-597.540 χ^2/NDF: 37.0/23

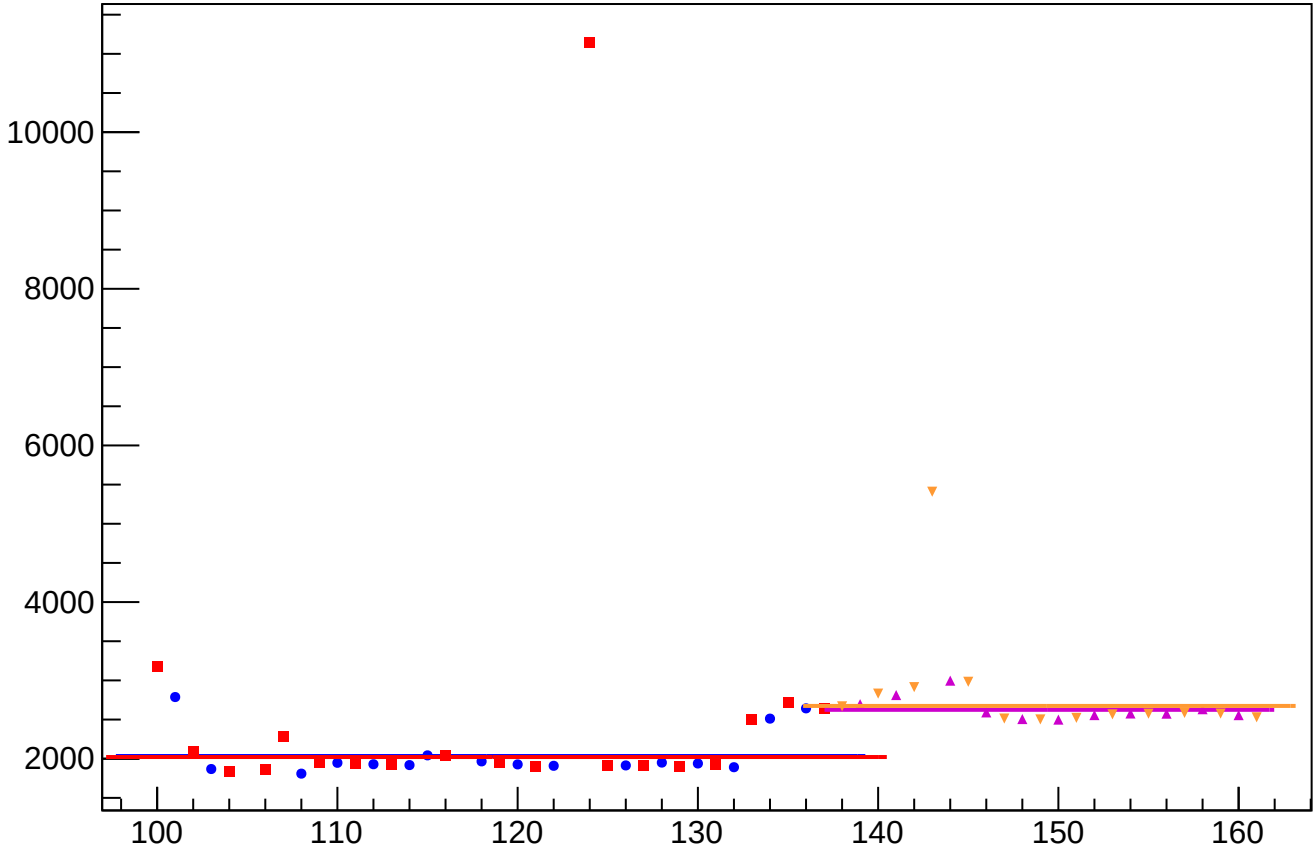
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2480.818+/-568.357 χ^2/NDF:16.1/26

Out: 1378.202+/-562.045 χ^2/NDF:47.0/31

All: 1923.353+/-399.639 χ^2/NDF: 65.1/58

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

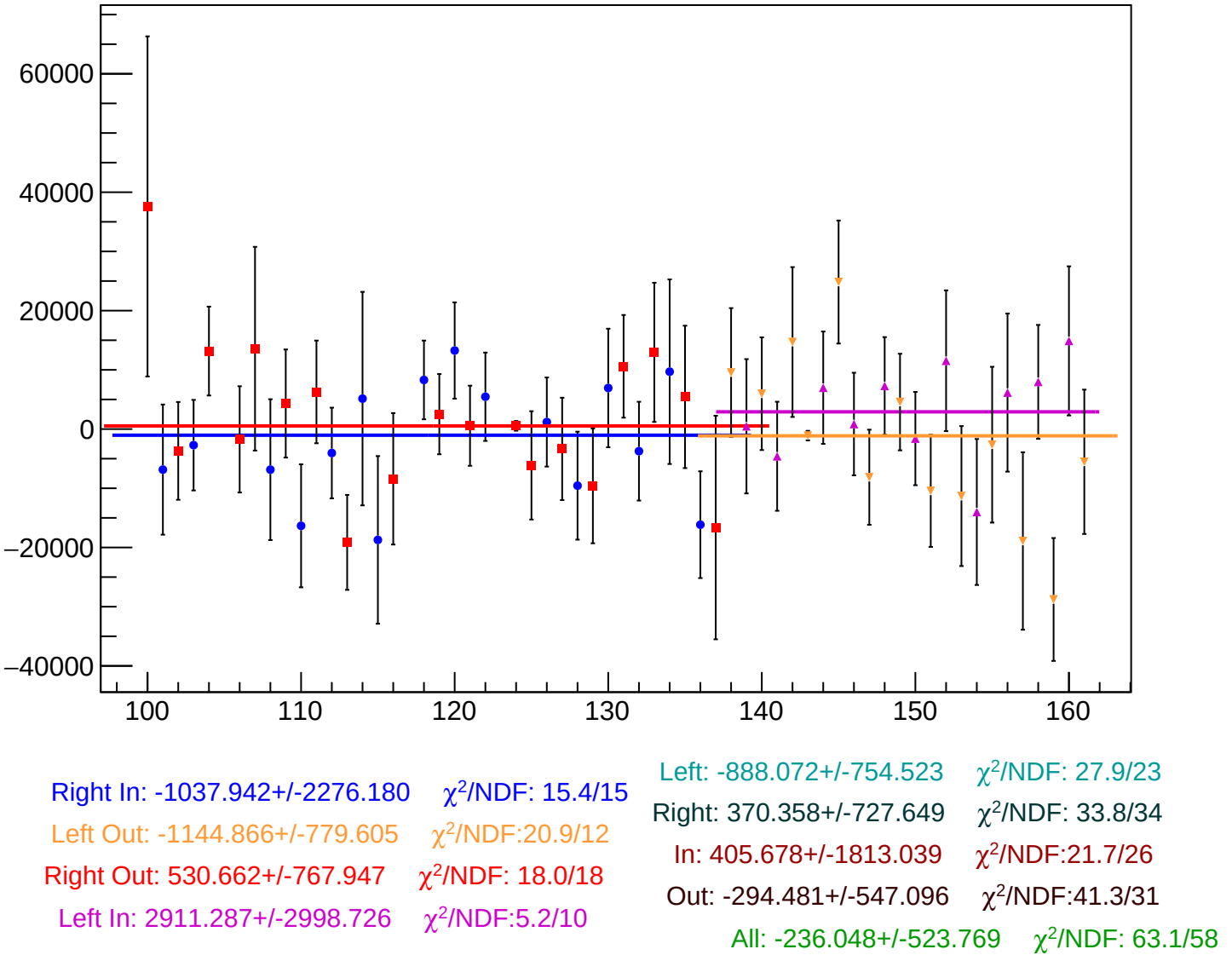
Left: 2649.432+/-0.423 χ^2/NDF: 534610.2/23

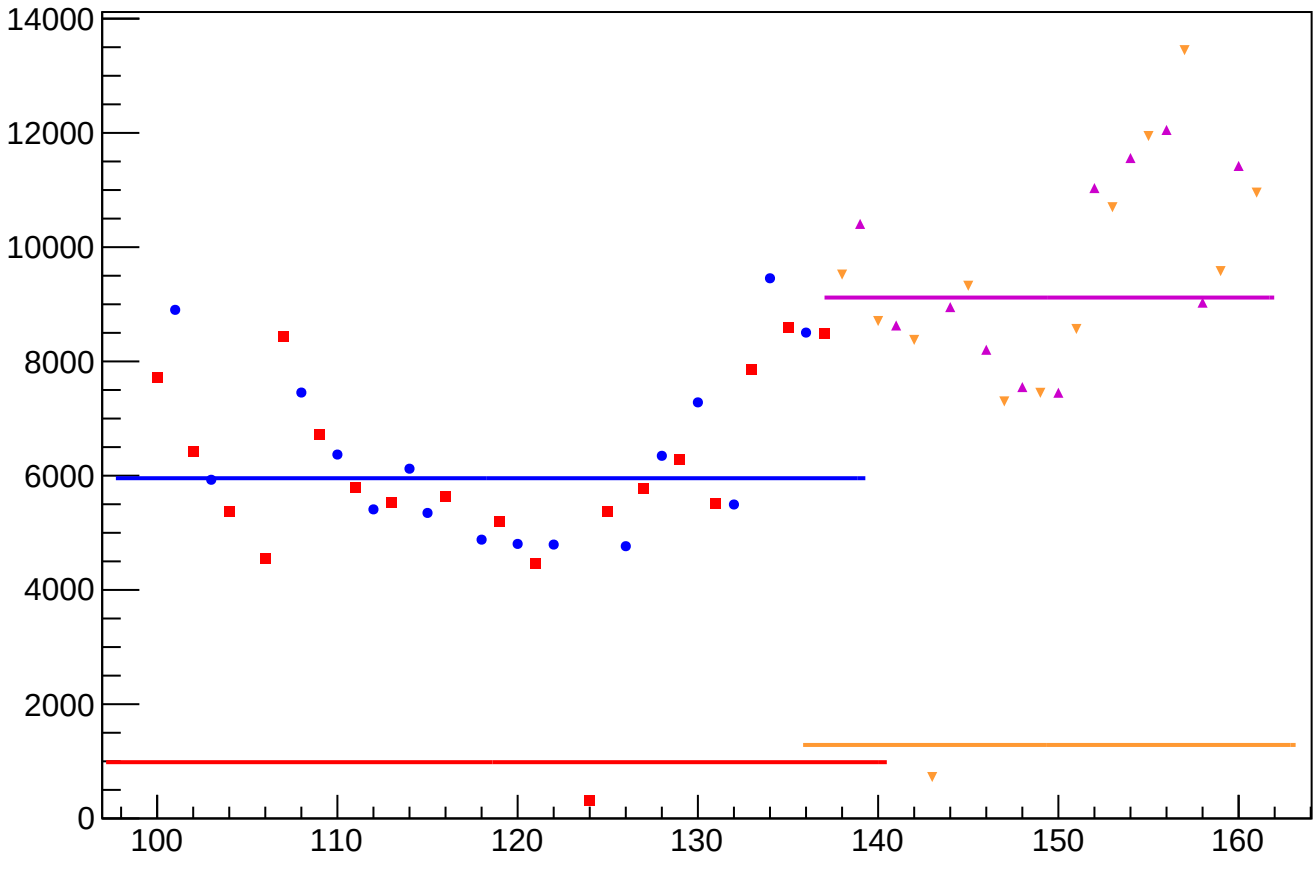
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2297.989+/-0.402 χ^2/NDF:844955.7/26

Out: 2313.545+/-0.397 χ^2/NDF:1538813.7/31

All: 2305.854+/-0.283 χ^2/NDF: 2384527.0/58


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1144.866+/-779.605 χ²/NDF:20.9/12
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2911.287+/-2998.726 χ²/NDF:5.2/10
Left: -888.072+/-754.523 χ²/NDF: 27.9/23
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 405.678+/-1813.039 χ²/NDF:21.7/26
Out: -294.481+/-547.096 χ²/NDF:41.3/31
All: -236.048+/-523.769 χ²/NDF: 63.1/58



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1286.692+/-0.551 χ^2/NDF:15034569.2/12

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

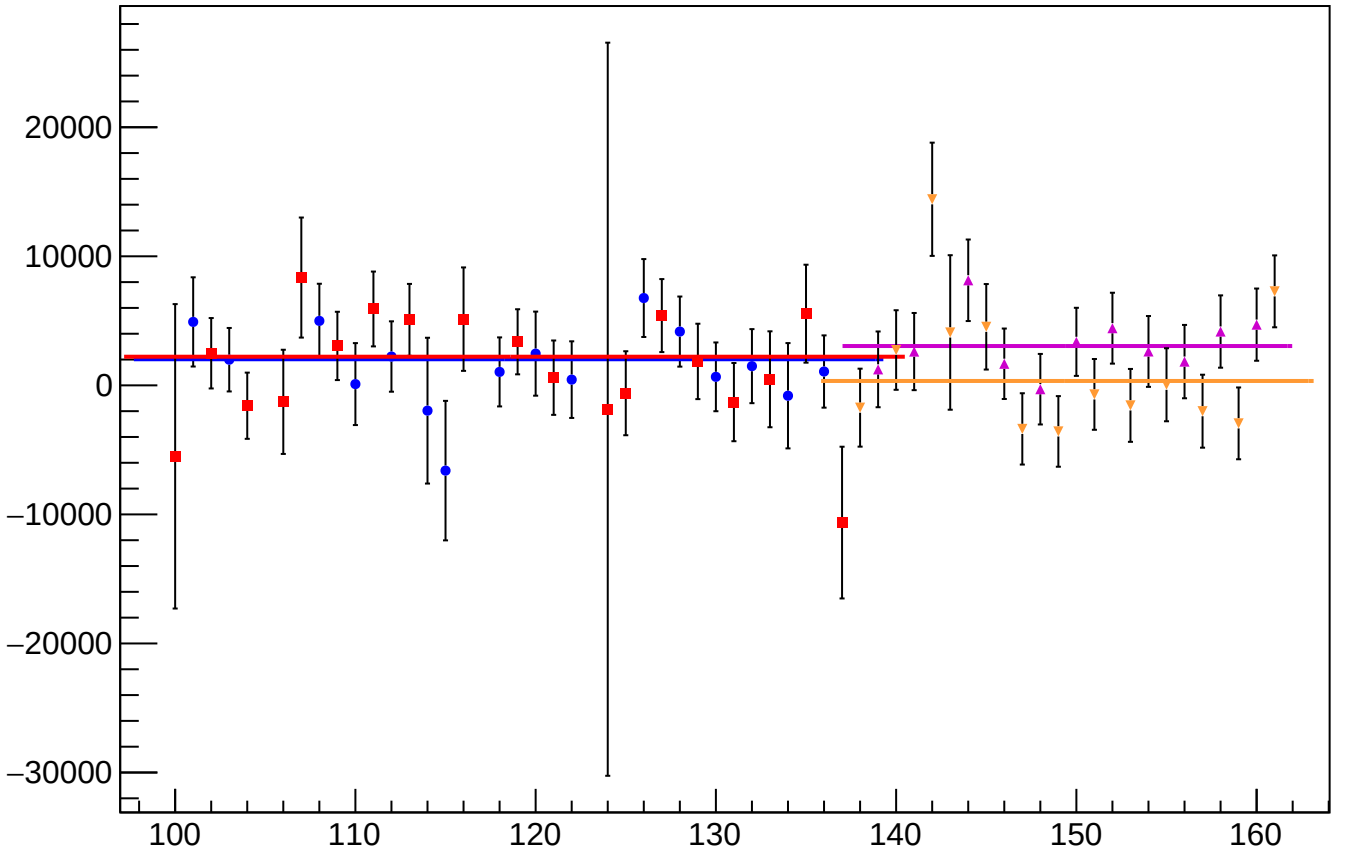
Left: 1782.485+/-0.534 χ^2/NDF: 28321254.8/23

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7111.593+/-1.282 χ^2/NDF:2610427.5/26

Out: 1133.596+/-0.387 χ^2/NDF:26599377.2/31

All: 1632.504+/-0.370 χ^2/NDF: 49138543.2/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 340.013+/-840.181 χ^2/NDF:26.1/12

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3047.208+/-850.003 χ^2/NDF:5.7/10

Left: 1677.879+/-597.540 χ^2/NDF: 37.0/23

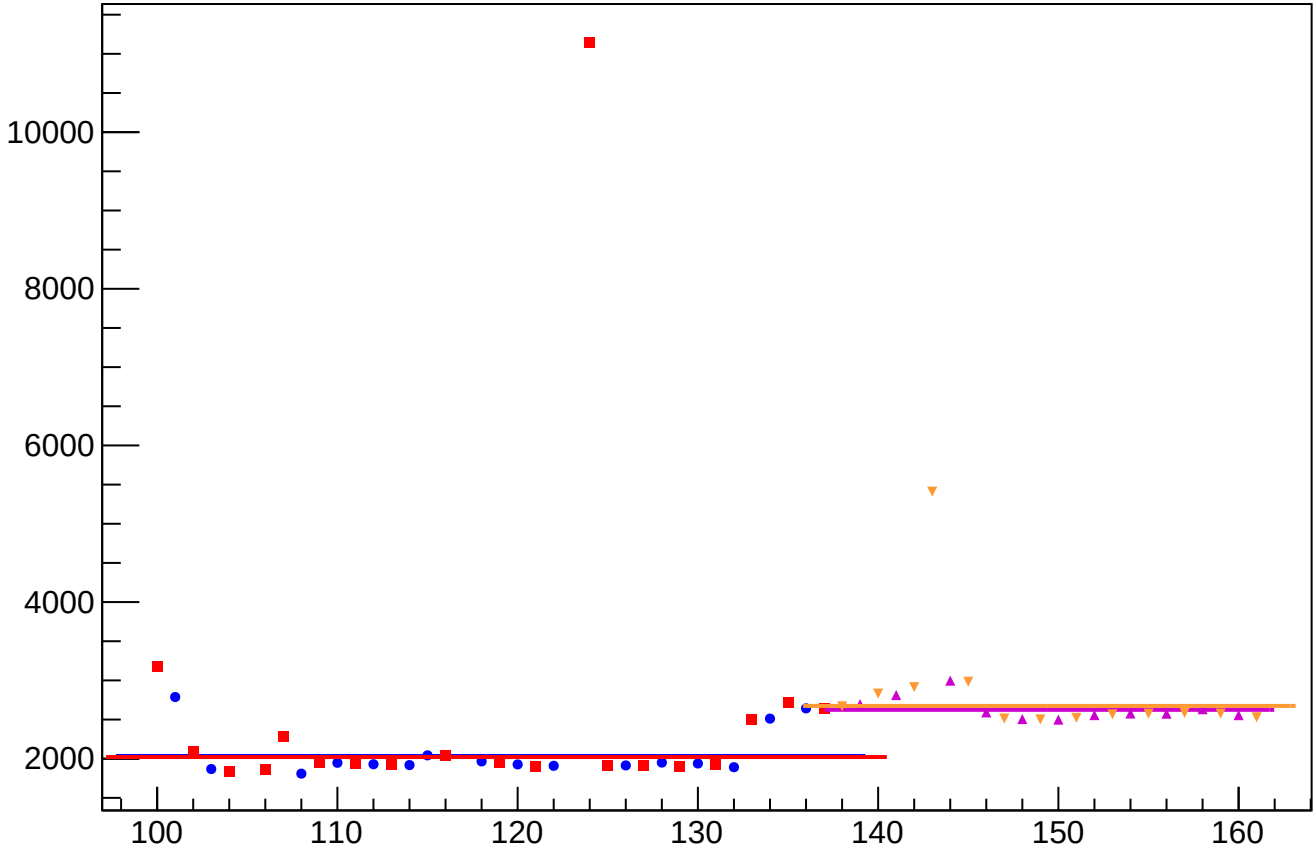
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2480.818+/-568.357 χ^2/NDF:16.1/26

Out: 1378.202+/-562.045 χ^2/NDF:47.0/31

All: 1923.353+/-399.639 χ^2/NDF: 65.1/58

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

Left: 2649.432+/-0.423 χ^2/NDF: 534610.2/23

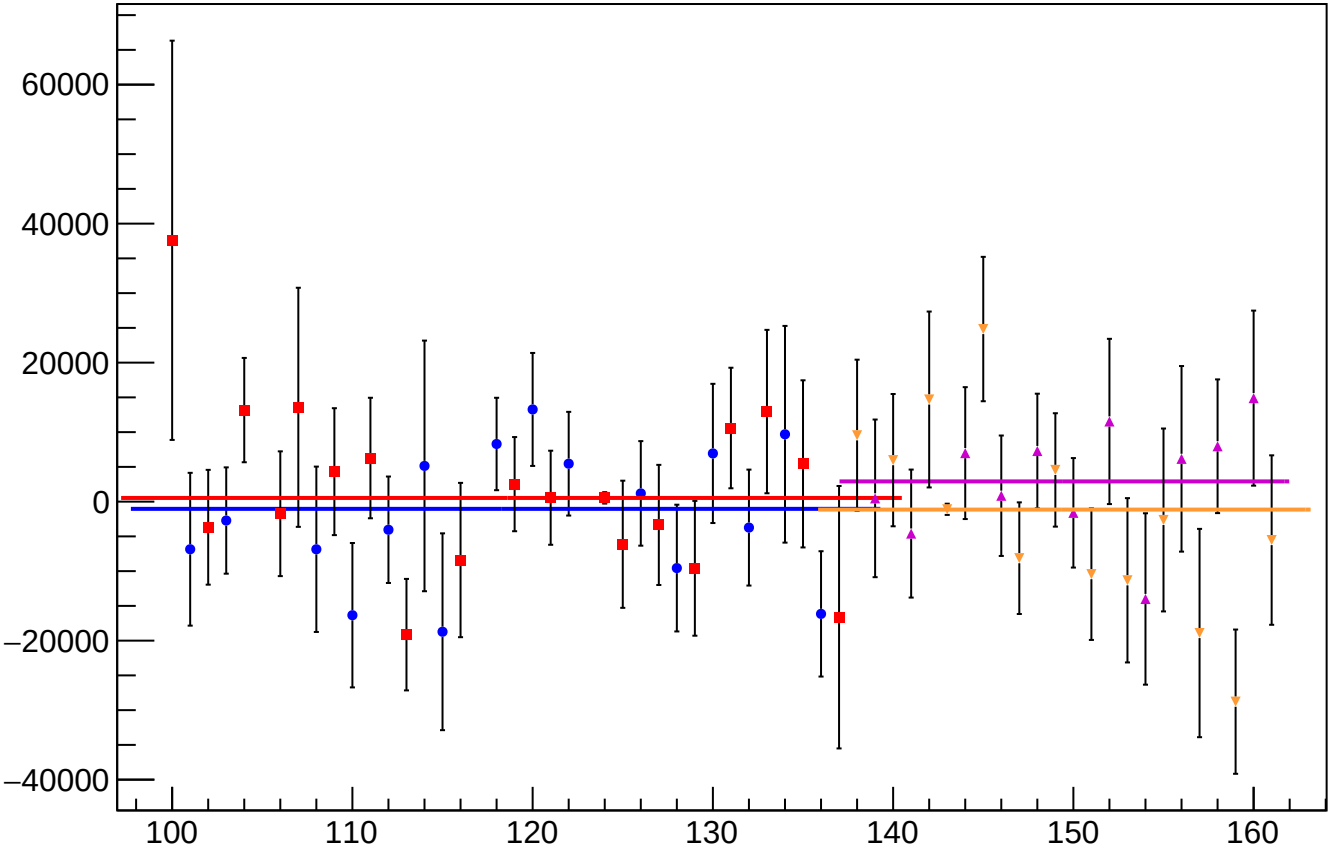
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2297.989+/-0.402 χ^2/NDF:844955.7/26

Out: 2313.545+/-0.397 χ^2/NDF:1538813.7/31

All: 2305.854+/-0.283 χ^2/NDF: 2384527.0/58

asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1144.866+/-779.605 χ^2/NDF:20.9/12

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2911.287+/-2998.726 χ^2/NDF:5.2/10

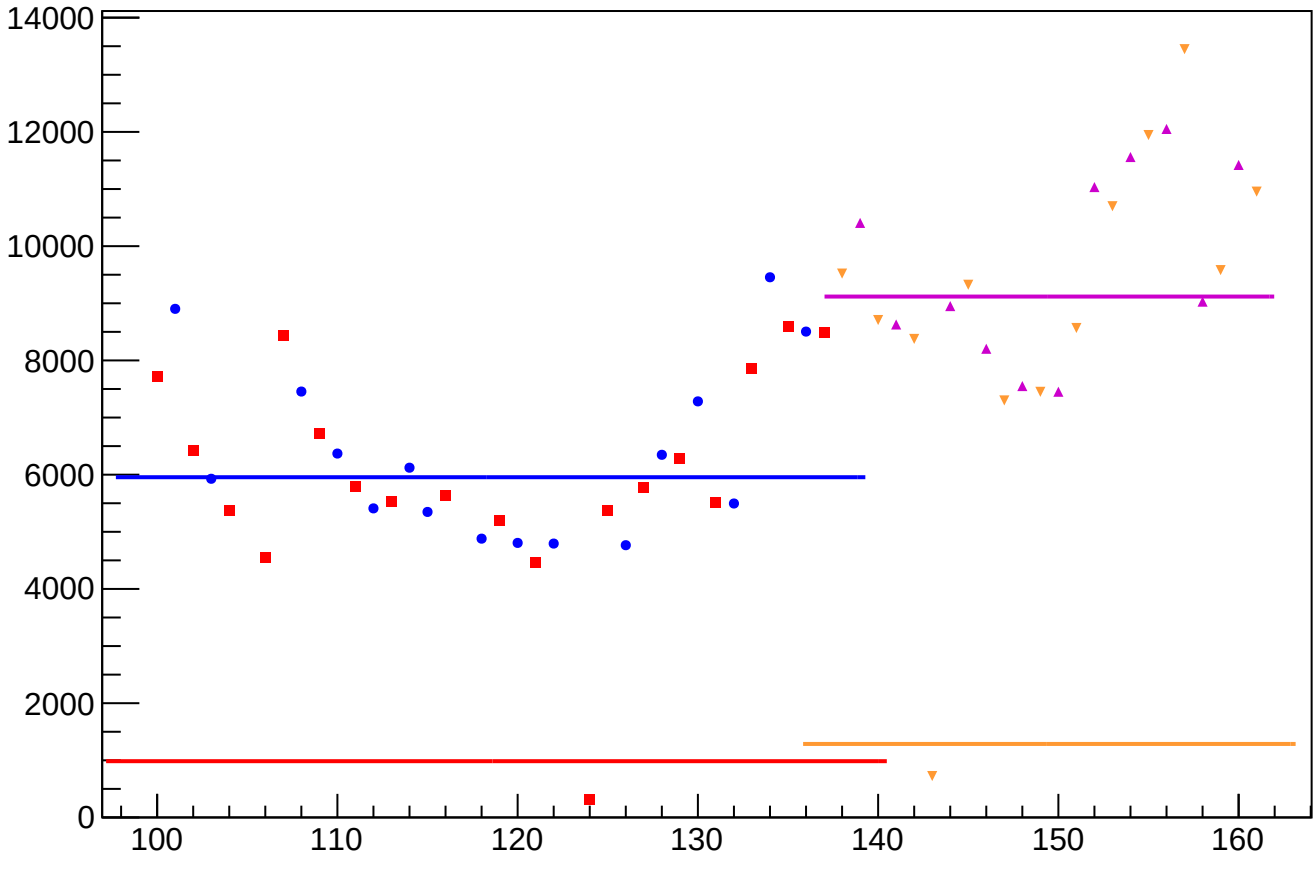
Left: -888.072+/-754.523 χ^2/NDF: 27.9/23

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 405.678+/-1813.039 χ^2/NDF:21.7/26

Out: -294.481+/-547.096 χ^2/NDF:41.3/31

All: -236.048+/-523.769 χ^2/NDF: 63.1/58



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1286.692+/-0.551 χ^2/NDF:15034569.2/12

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

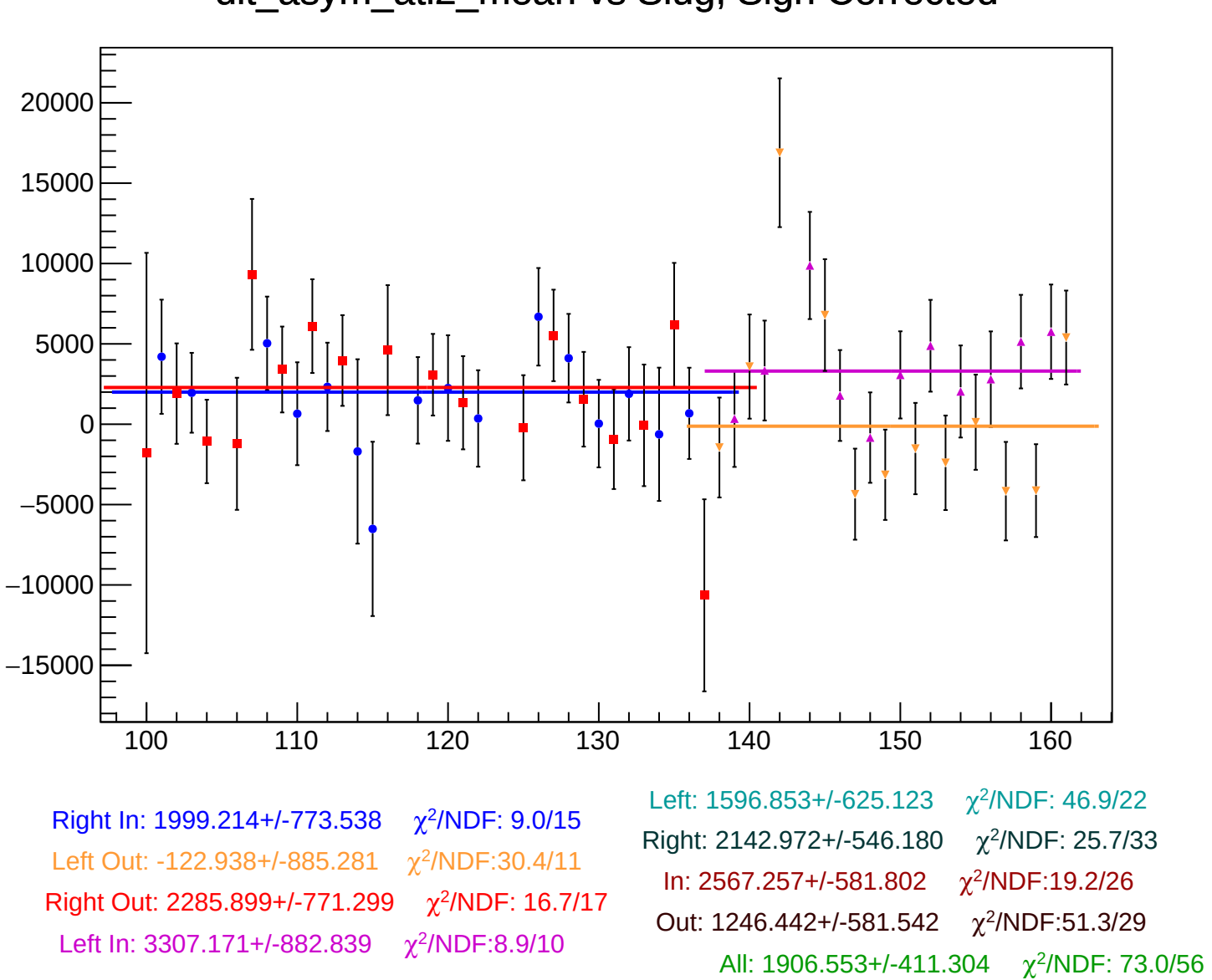
Left: 1782.485+/-0.534 χ^2/NDF: 28321254.8/23

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

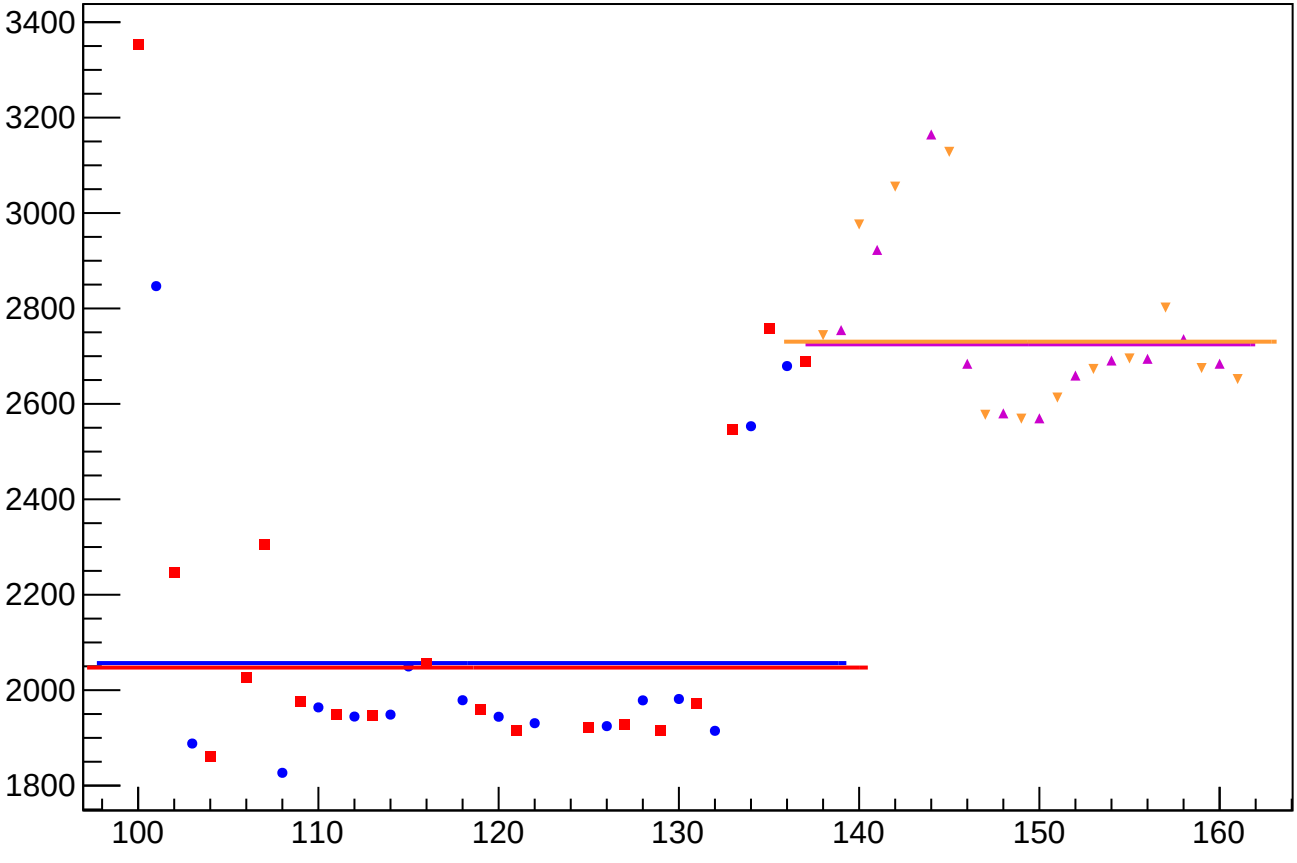
In: 7111.593+/-1.282 χ^2/NDF:2610427.5/26

Out: 1133.596+/-0.387 χ^2/NDF:26599377.2/31

All: 1632.504+/-0.370 χ^2/NDF: 49138543.2/5


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -122.938+/-885.281 χ²/NDF:30.4/11
Right Out: 2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: 3307.171+/-882.839 χ²/NDF:8.9/10
Left: 1596.853+/-625.123 χ²/NDF: 46.9/22
Right: 2142.972+/-546.180 χ²/NDF: 25.7/33
In: 2567.257+/-581.802 χ²/NDF:19.2/26
Out: 1246.442+/-581.542 χ²/NDF:51.3/29
All: 1906.553+/-411.304 χ²/NDF: 73.0/56

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2730.403+/-0.626 χ^2/NDF:67693.9/11

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2724.794+/-0.624 χ^2/NDF:57268.9/10

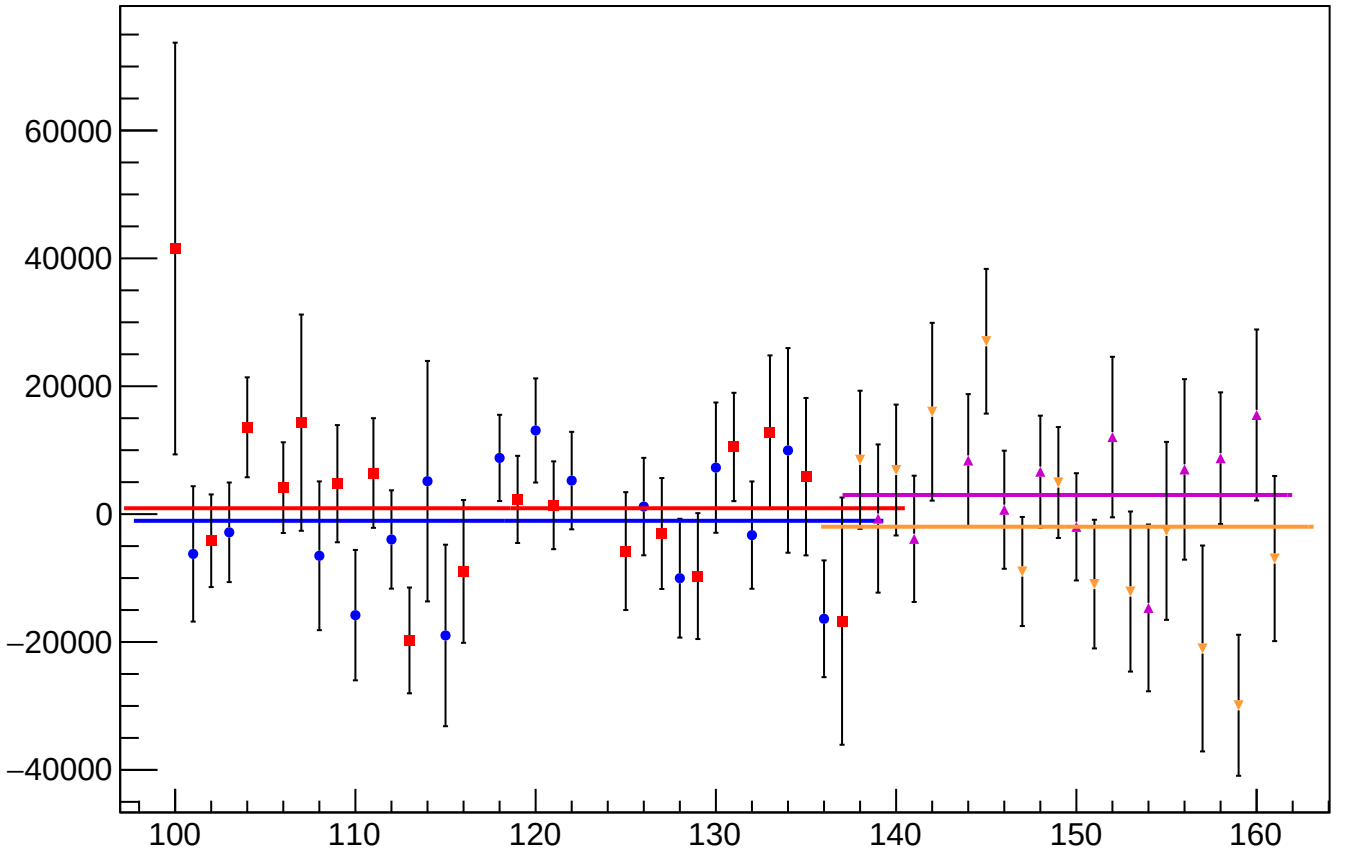
Left: 2727.591+/-0.442 χ^2/NDF: 125003.0/22

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2346.906+/-0.411 χ^2/NDF:975471.0/26

Out: 2341.622+/-0.411 χ^2/NDF:941850.6/29

All: 2344.261+/-0.291 χ^2/NDF: 1917404.2/56



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1969.809+/-3200.303 χ^2/NDF:20.7/11

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2994.248+/-3190.584 χ^2/NDF:5.1/10

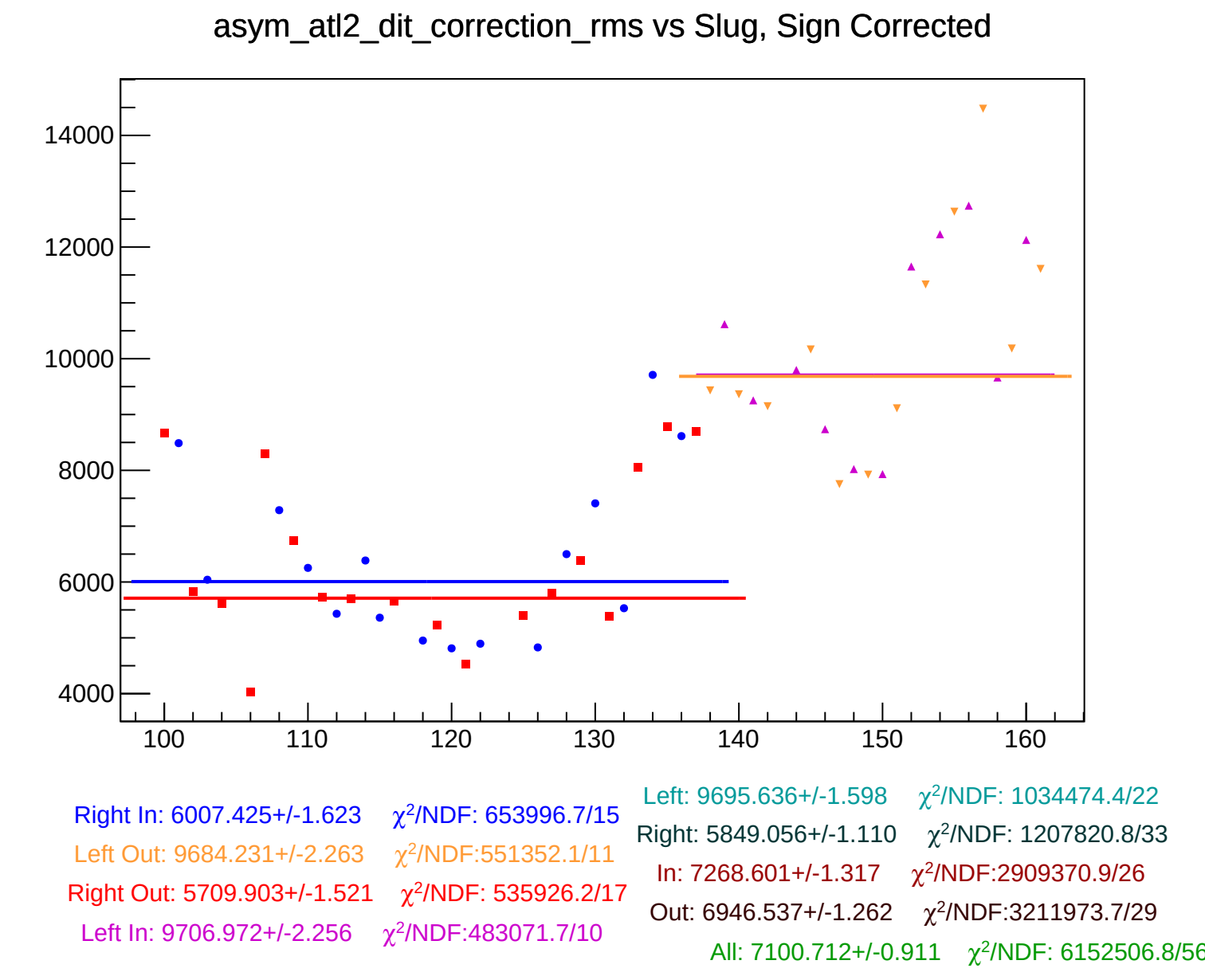
Left: 519.768+/-2259.512 χ^2/NDF: 26.9/22

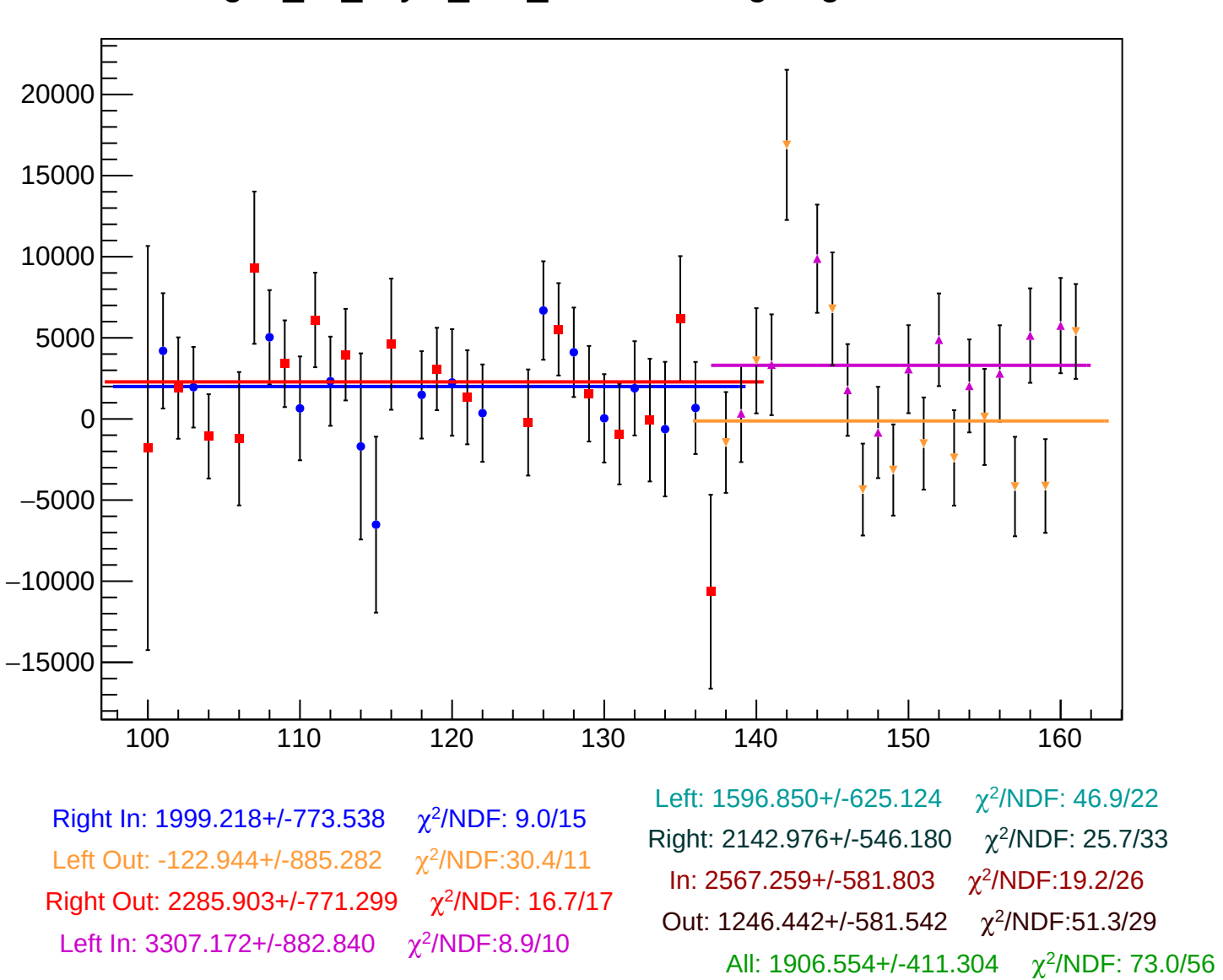
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 333.618+/-1862.876 χ^2/NDF:21.4/26

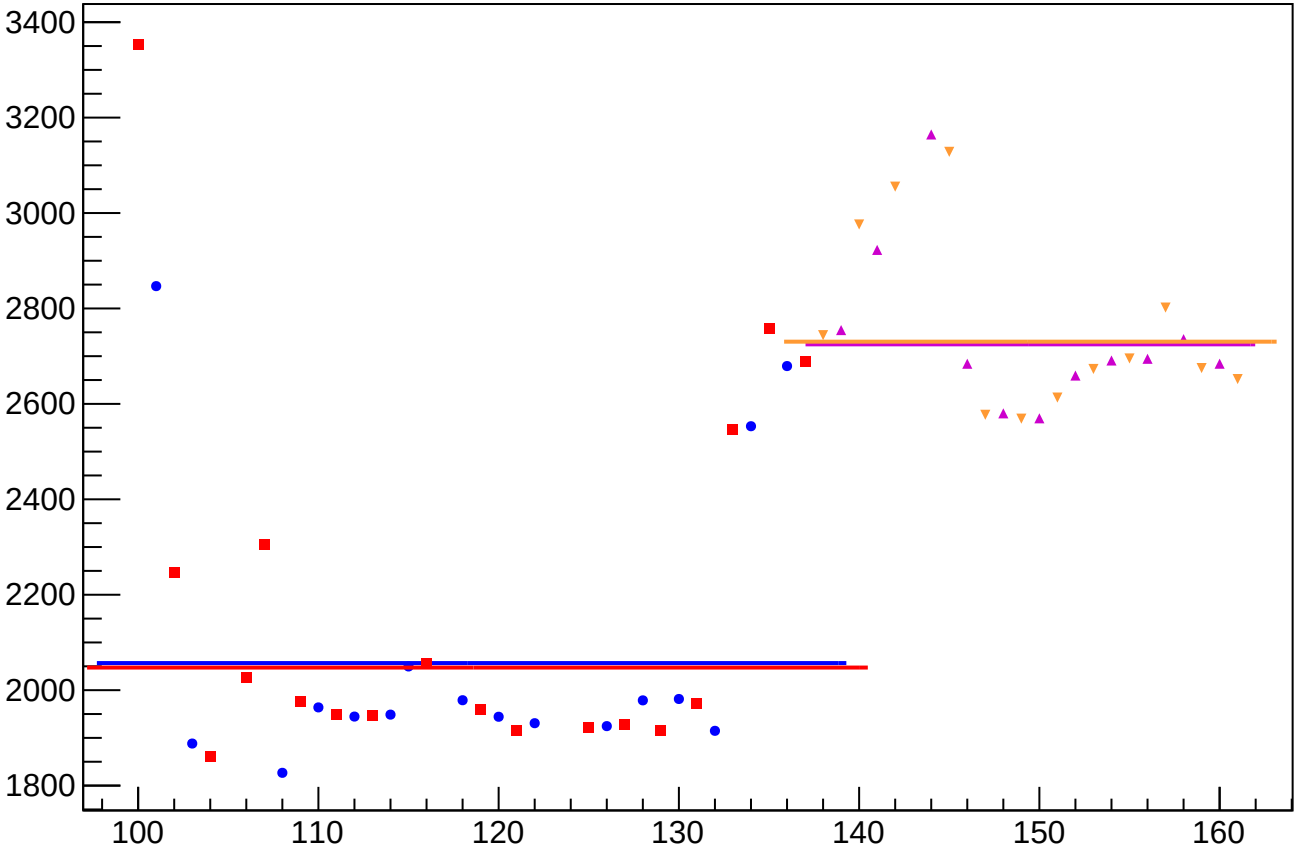
Out: 20.588+/-1785.171 χ^2/NDF:39.6/29

All: 170.438+/-1288.902 χ^2/NDF: 61.0/56


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9684.231+/-2.263 χ²/NDF:551352.1/11
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9706.972+/-2.256 χ²/NDF:483071.7/10
Left: 9695.636+/-1.598 χ²/NDF: 1034474.4/22
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7268.601+/-1.317 χ²/NDF:2909370.9/26
Out: 6946.537+/-1.262 χ²/NDF:3211973.7/29
All: 7100.712+/-0.911 χ²/NDF: 6152506.8/56


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -122.944+/-885.282 χ²/NDF:30.4/11
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3307.172+/-882.840 χ²/NDF:8.9/10
Left: 1596.850+/-625.124 χ²/NDF: 46.9/22
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2567.259+/-581.803 χ²/NDF:19.2/26
Out: 1246.442+/-581.542 χ²/NDF:51.3/29
All: 1906.554+/-411.304 χ²/NDF: 73.0/56

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2730.406+/-0.626 χ^2/NDF:67695.1/11

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2724.797+/-0.624 χ^2/NDF:57269.5/10

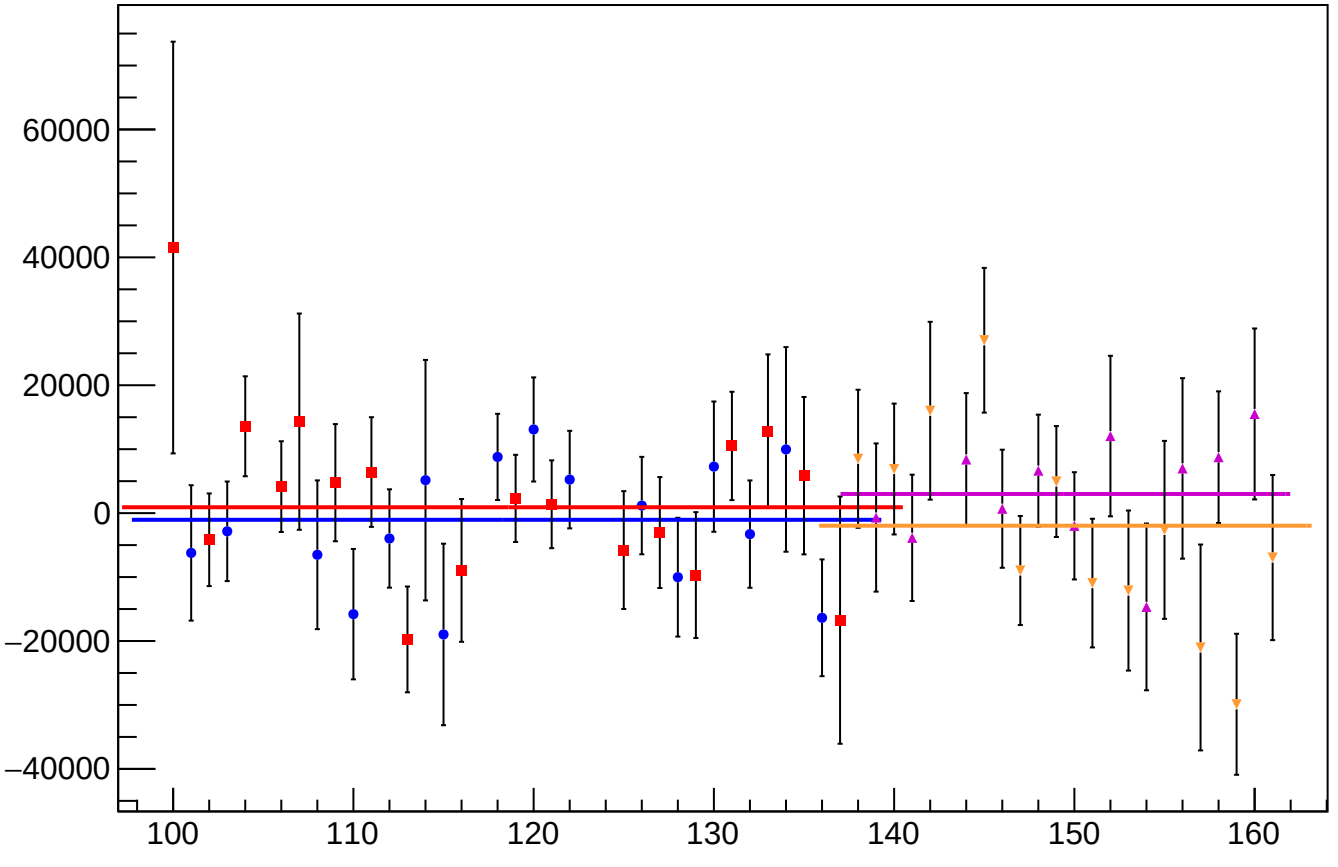
Left: 2727.594+/-0.442 χ^2/NDF: 125004.8/22

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2346.907+/-0.411 χ^2/NDF:975476.2/26

Out: 2341.623+/-0.411 χ^2/NDF:941857.3/29

All: 2344.262+/-0.291 χ^2/NDF: 1917416.1/56



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1969.820+/-3200.307 χ^2/NDF:20.7/11

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2994.250+/-3190.588 χ^2/NDF:5.1/10

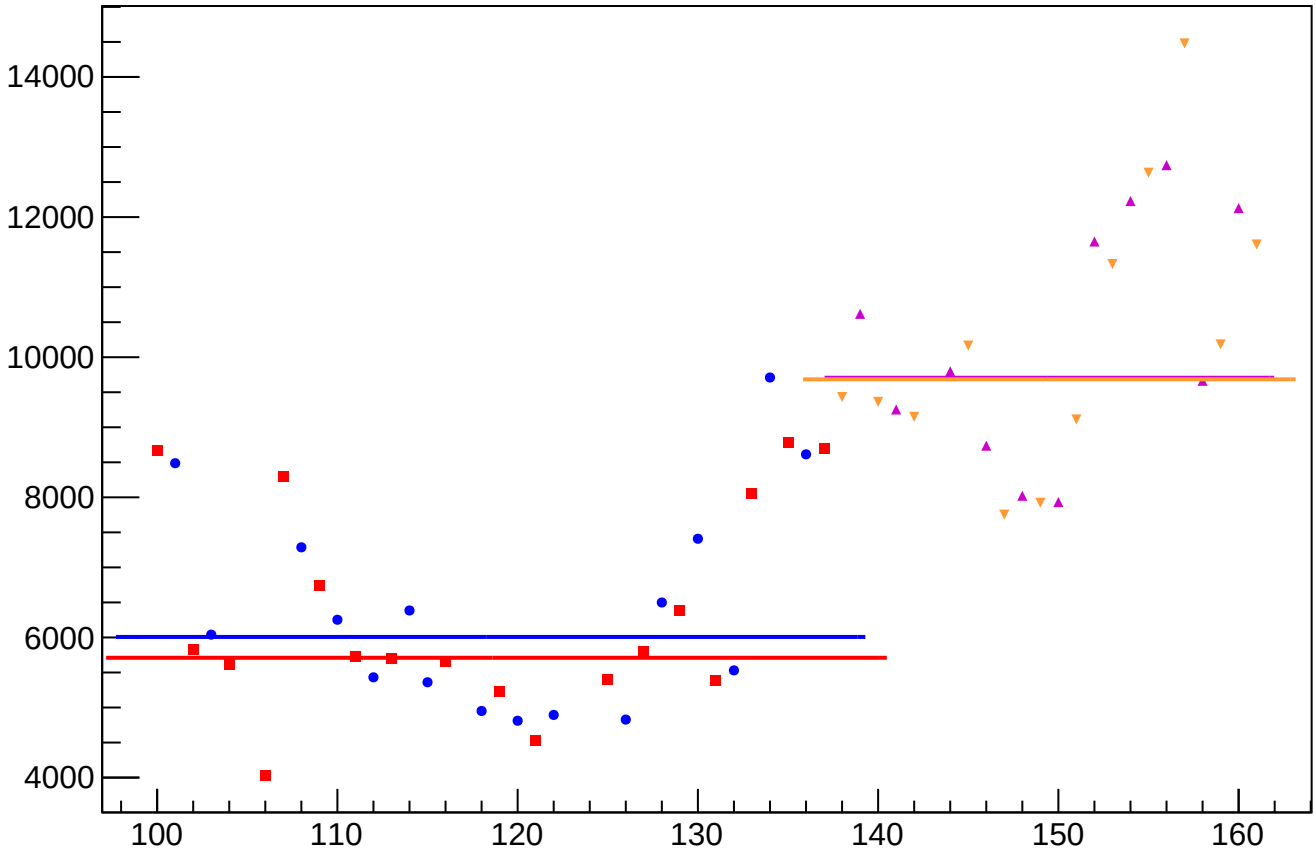
Left: 519.764+/-2259.515 χ^2/NDF: 26.9/22

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 333.619+/-1862.873 χ^2/NDF:21.4/26

Out: 20.593+/-1785.168 χ^2/NDF:39.6/29

All: 170.442+/-1288.900 χ^2/NDF: 61.0/56



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9684.244+/-2.263 χ^2/NDF:551354.8/11

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9706.983+/-2.256 χ^2/NDF:483074.6/10

Left: 9695.648+/-1.598 χ^2/NDF: 1034480.0/22

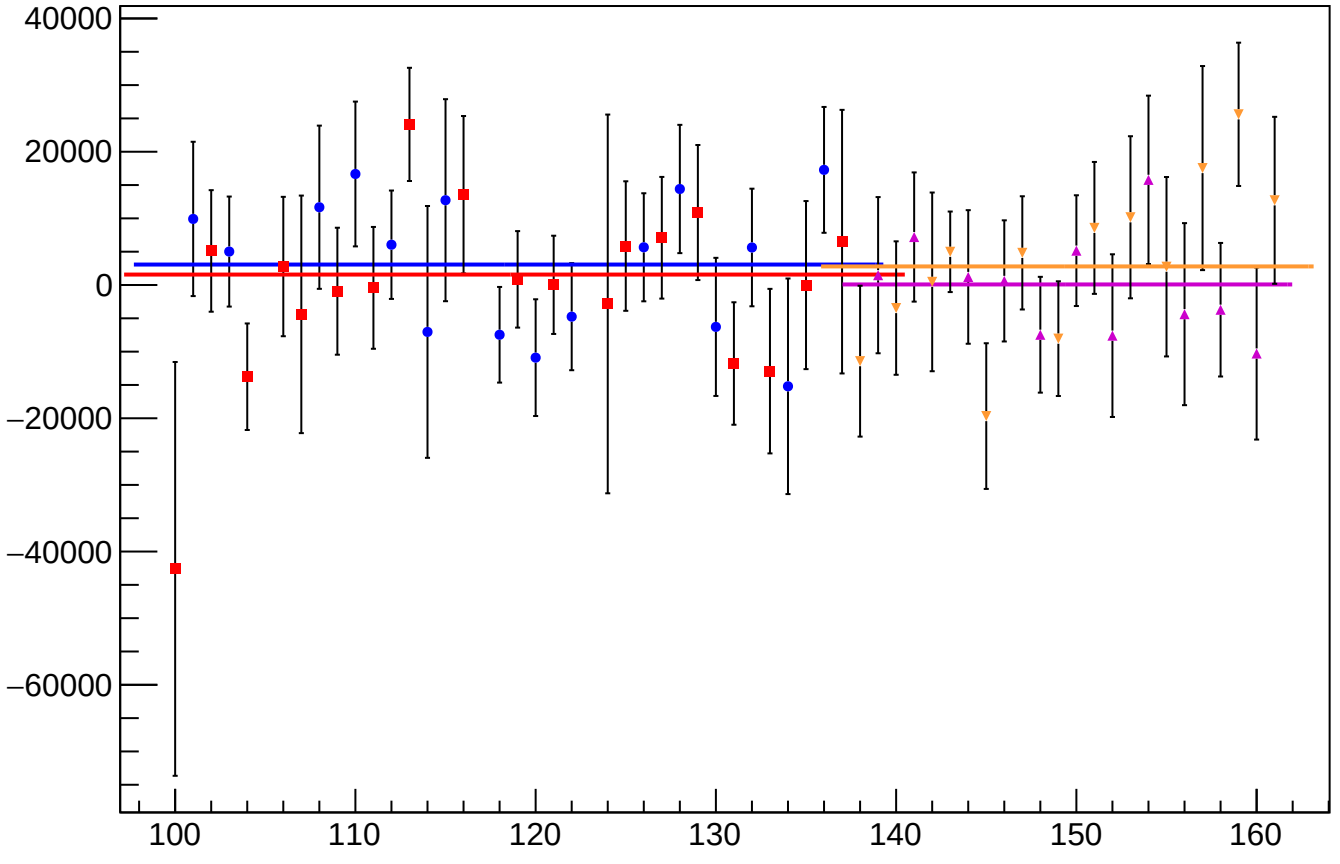
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7268.585+/-1.317 χ^2/NDF:2909412.7/26

Out: 6946.521+/-1.262 χ^2/NDF:3212011.2/29

All: 7100.696+/-0.911 χ^2/NDF: 6152586.1/56

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2788.323+/-2792.991 χ^2/NDF:14.8/12

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 83.870+/-3131.458 χ^2/NDF:4.5/10

Left: 1590.100+/-2084.374 χ^2/NDF: 19.7/23

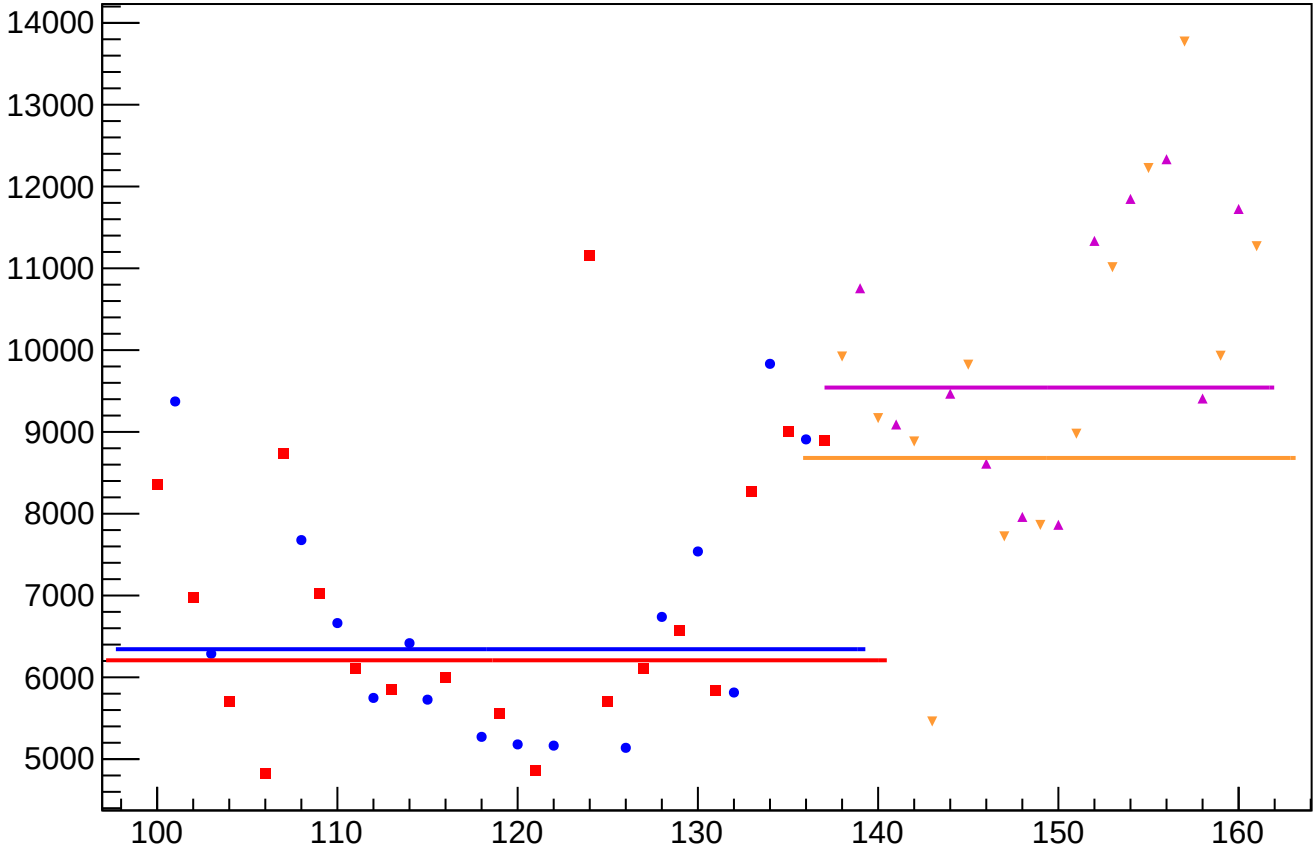
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1953.212+/-1915.197 χ^2/NDF:20.0/26

Out: 2069.721+/-1791.825 χ^2/NDF:34.1/31

All: 2015.340+/-1308.454 χ^2/NDF: 54.0/58

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8681.777+/-1.975 χ^2/NDF:1209894.4/12

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9542.310+/-2.214 χ^2/NDF:445381.5/10

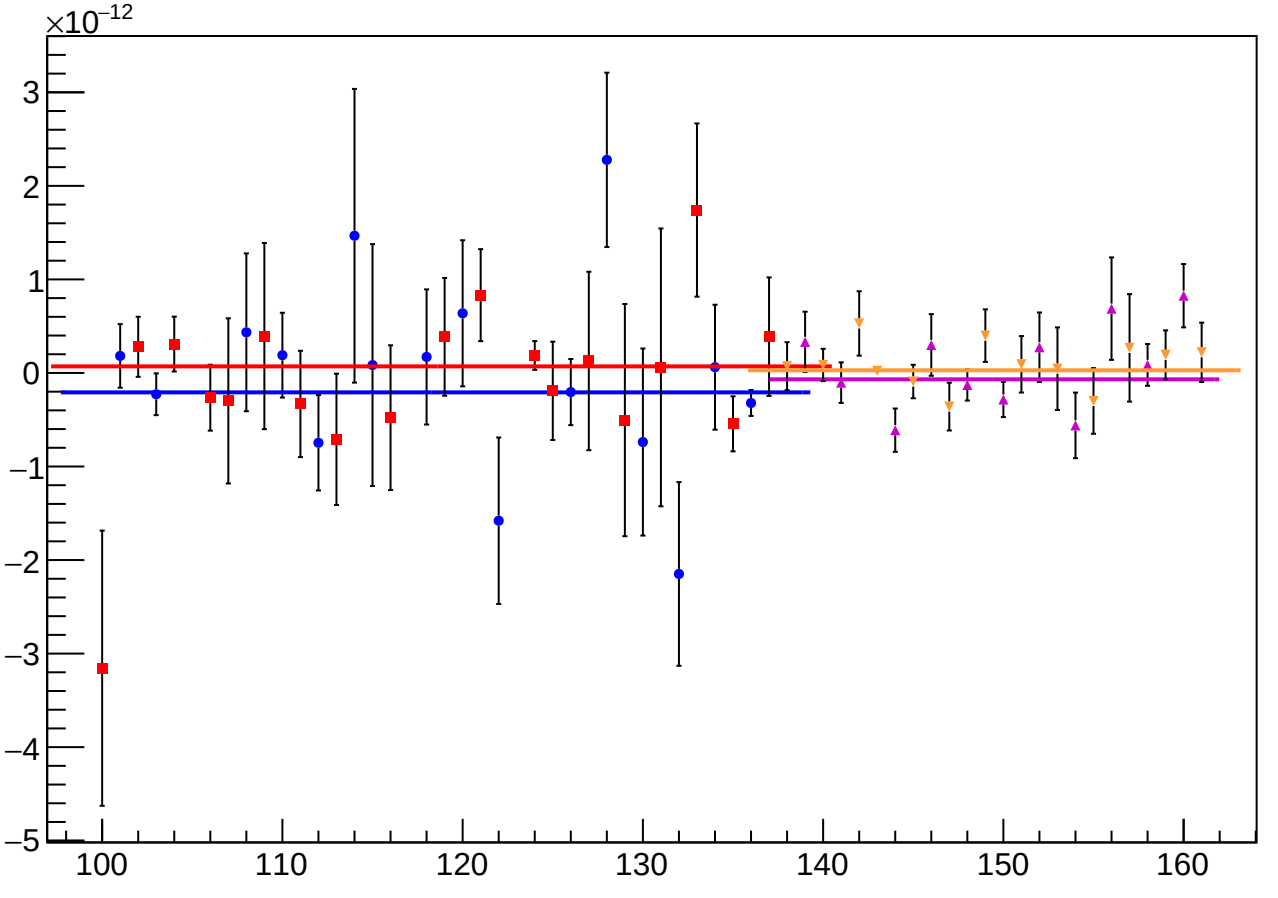
Left: 9063.041+/-1.474 χ^2/NDF: 1739392.8/23

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7540.209+/-1.354 χ^2/NDF:2372705.3/26

Out: 7226.208+/-1.267 χ^2/NDF:2604874.2/31

All: 7372.769+/-0.925 χ^2/NDF: 5006247.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:22.0/10

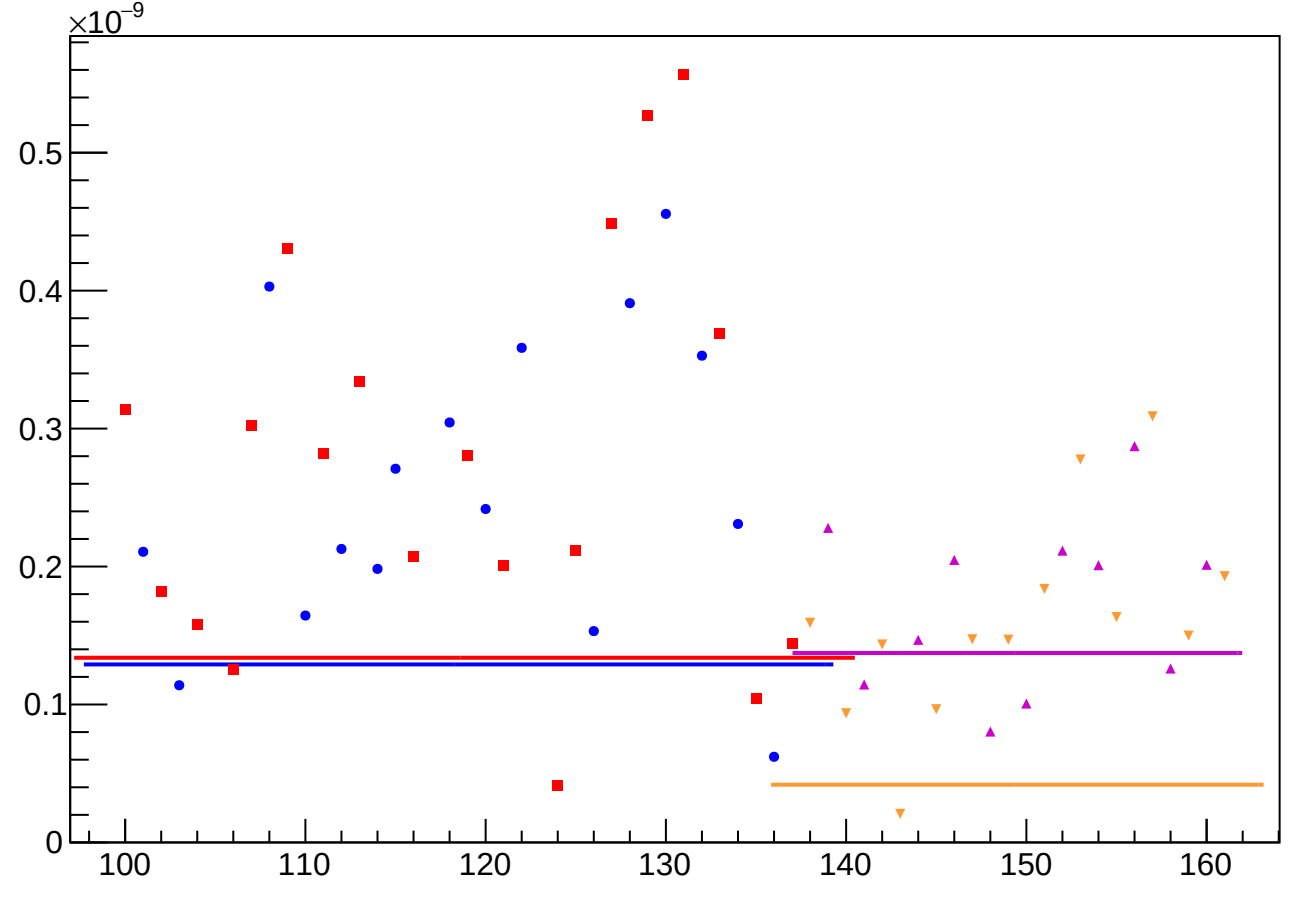
Left: 0.000+/-0.000 χ^2/NDF: 31.9/23

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:44.2/26

Out: 0.000+/-0.000 χ^2/NDF:29.7/31

All: 0.000+/-0.000 χ^2/NDF: 79.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4765271.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:948065.8/10

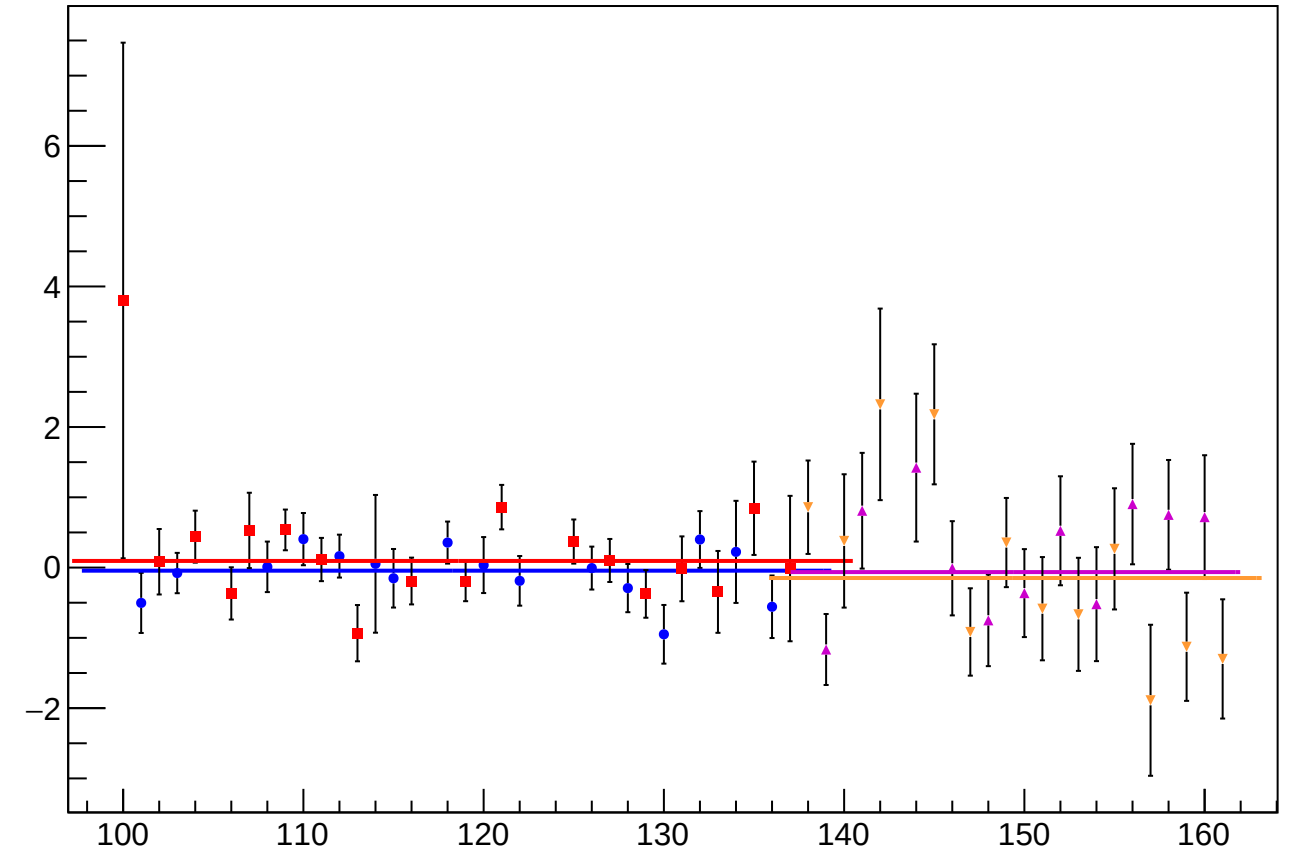
Left: 0.000+/-0.000 χ^2/NDF: 8350480.8/23

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2677589.3/26

Out: 0.000+/-0.000 χ^2/NDF:8728843.1/31

All: 0.000+/-0.000 χ^2/NDF: 14453700.8/58



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.064+/-0.219 χ^2/NDF:13.3/10

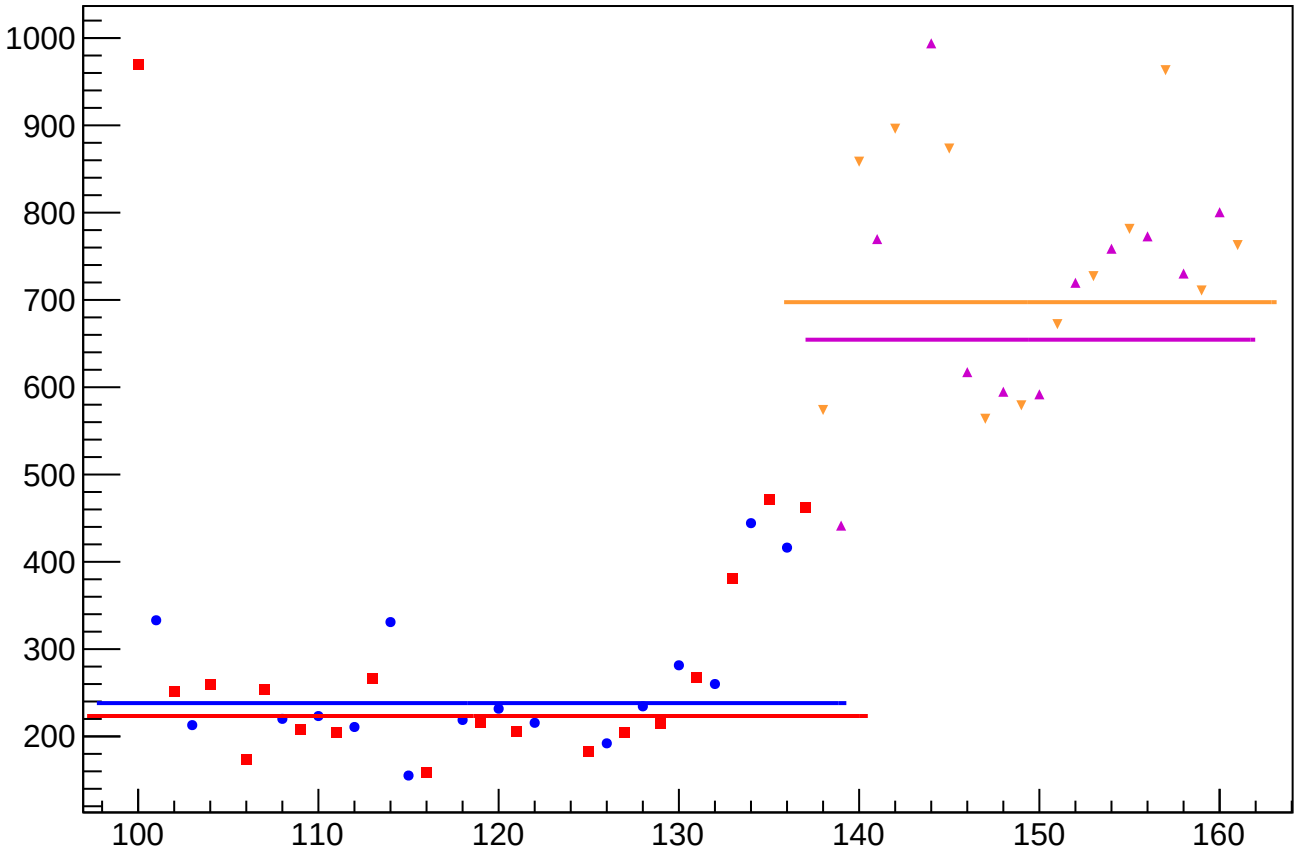
Left: -0.104+/-0.159 χ^2/NDF: 33.9/22

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.062+/-0.084 χ^2/NDF:46.8/29

All: 0.009+/-0.060 χ^2/NDF: 74.0/56



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 697.451+/-0.164 χ^2/NDF:552099.7/11

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

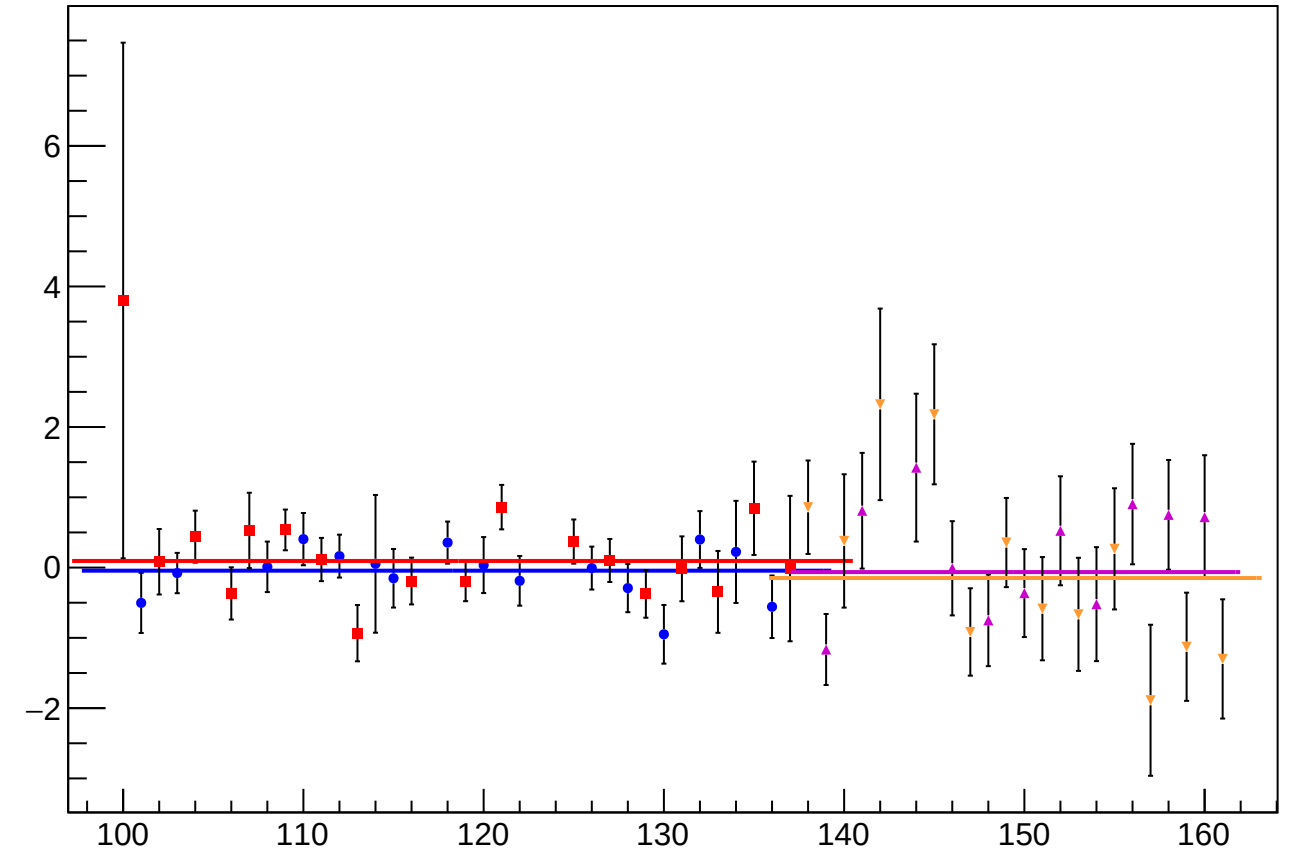
Left: 674.744+/-0.112 χ^2/NDF: 1393888.4/22

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 302.841+/-0.061 χ^2/NDF:7732838.7/26

Out: 285.728+/-0.059 χ^2/NDF:8705975.1/29

All: 294.053+/-0.043 χ^2/NDF: 16479287.0/56



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.064+/-0.219 χ^2/NDF:13.3/10

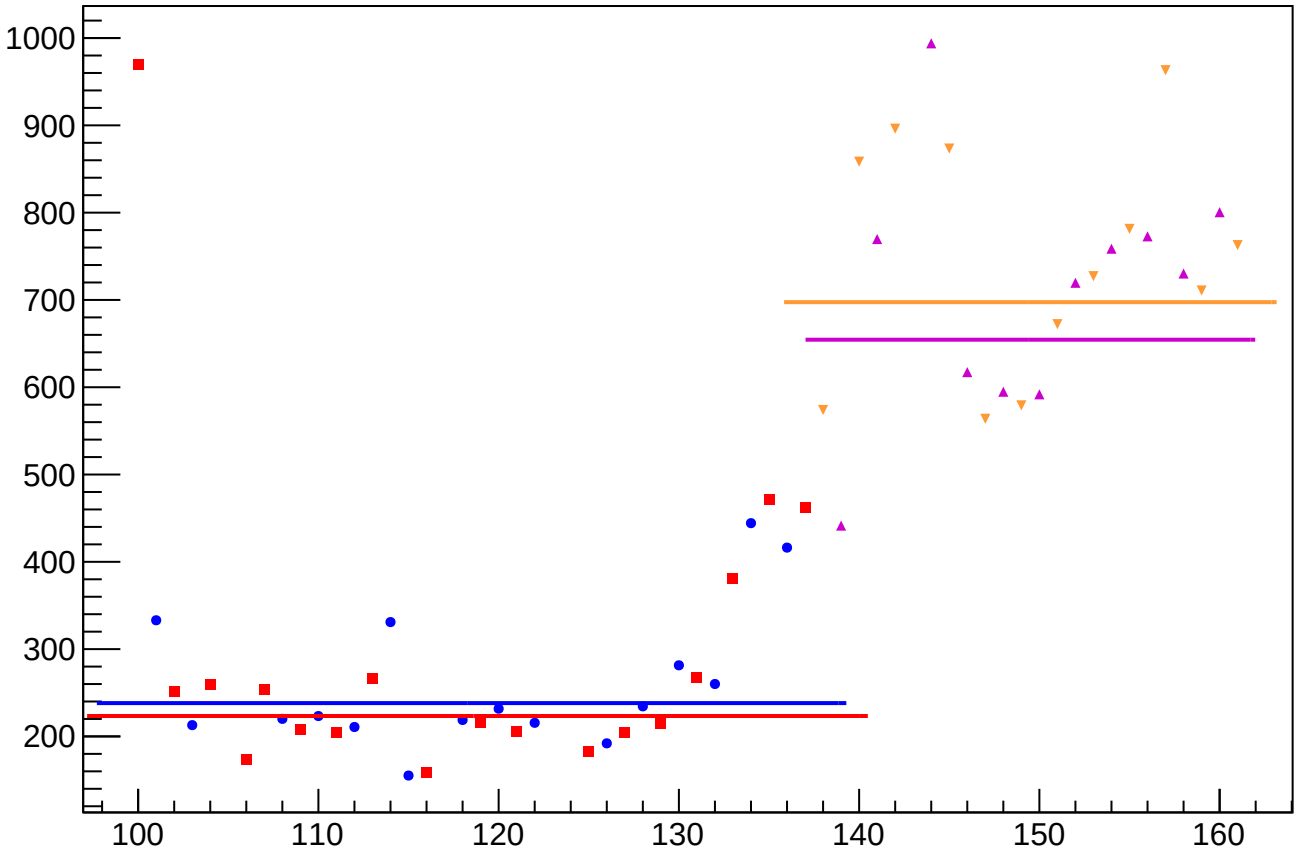
Left: -0.104+/-0.159 χ^2/NDF: 33.9/22

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.062+/-0.084 χ^2/NDF:46.8/29

All: 0.009+/-0.060 χ^2/NDF: 74.0/56



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 697.451+/-0.164 χ^2/NDF:552099.7/11

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

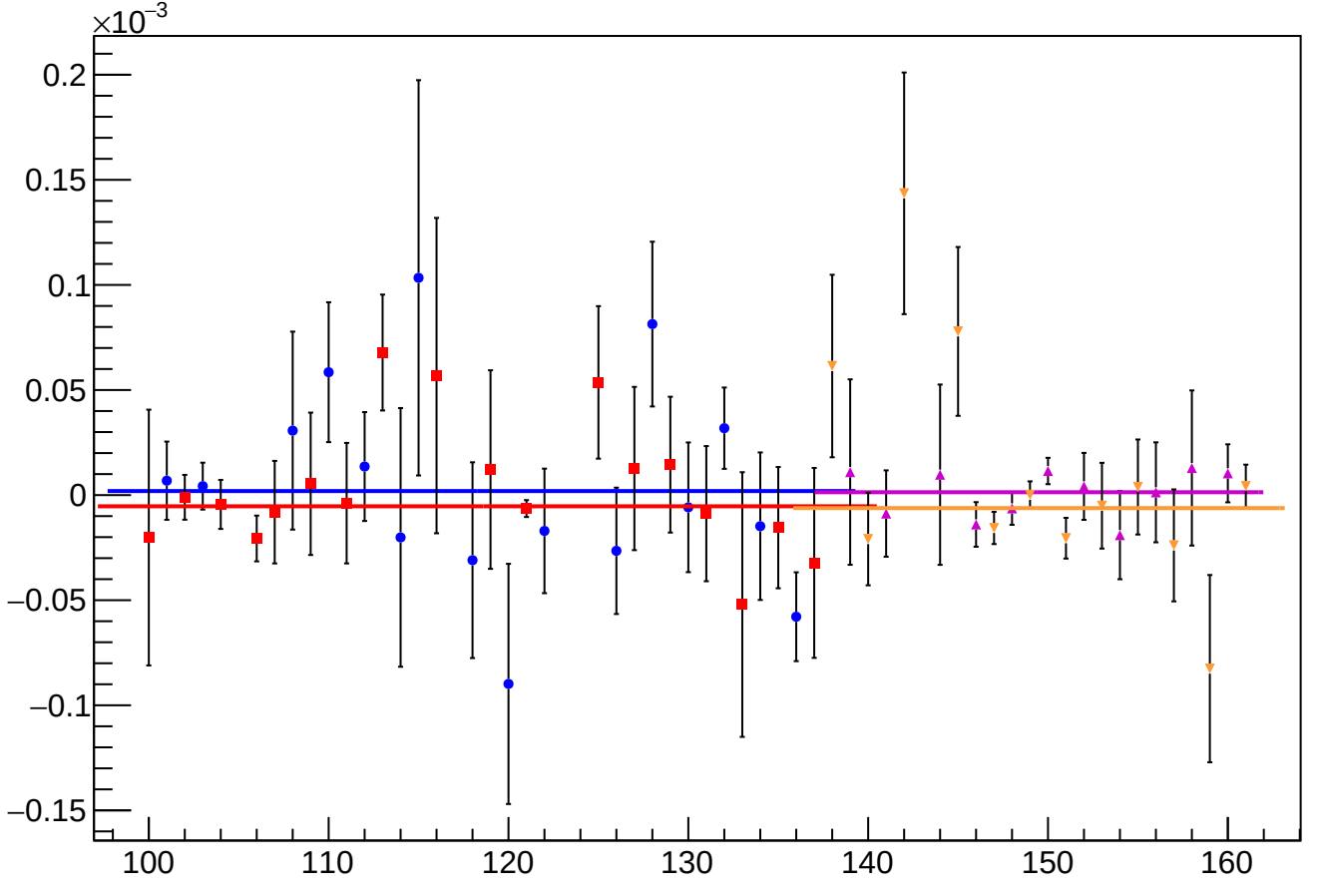
Left: 674.744+/-0.112 χ^2/NDF: 1393888.4/22

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 302.841+/-0.061 χ^2/NDF:7732838.7/26

Out: 285.728+/-0.059 χ^2/NDF:8705975.1/29

All: 294.053+/-0.043 χ^2/NDF: 16479287.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.3/11

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

Left In: 0.000+/-0.000 χ^2/NDF:7.5/10

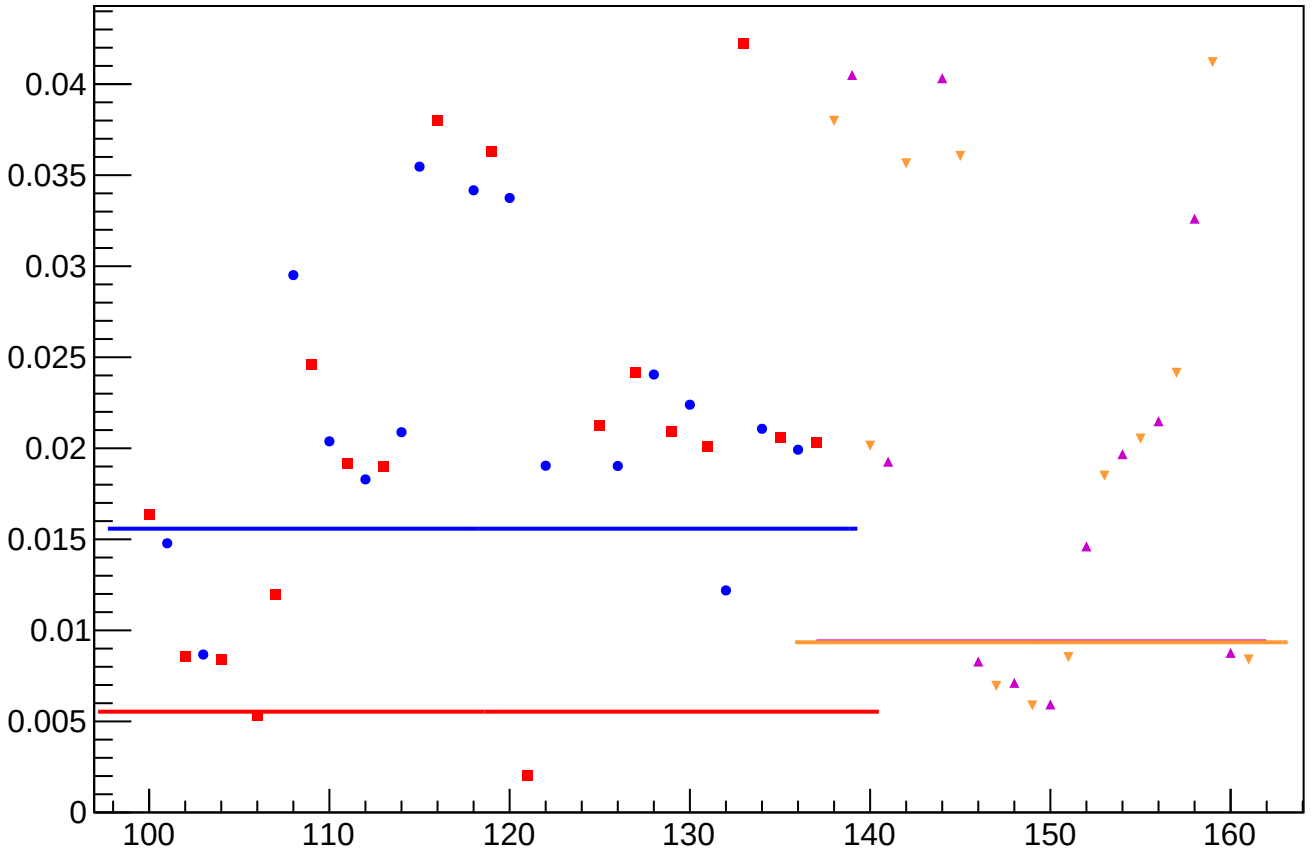
Left: -0.000+/-0.000 χ^2/NDF: 32.8/22

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.5/26

Out: -0.000+/-0.000 χ^2/NDF:37.9/29

All: -0.000+/-0.000 χ^2/NDF: 72.6/56



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:5997781.2/11

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:5306331.3/10

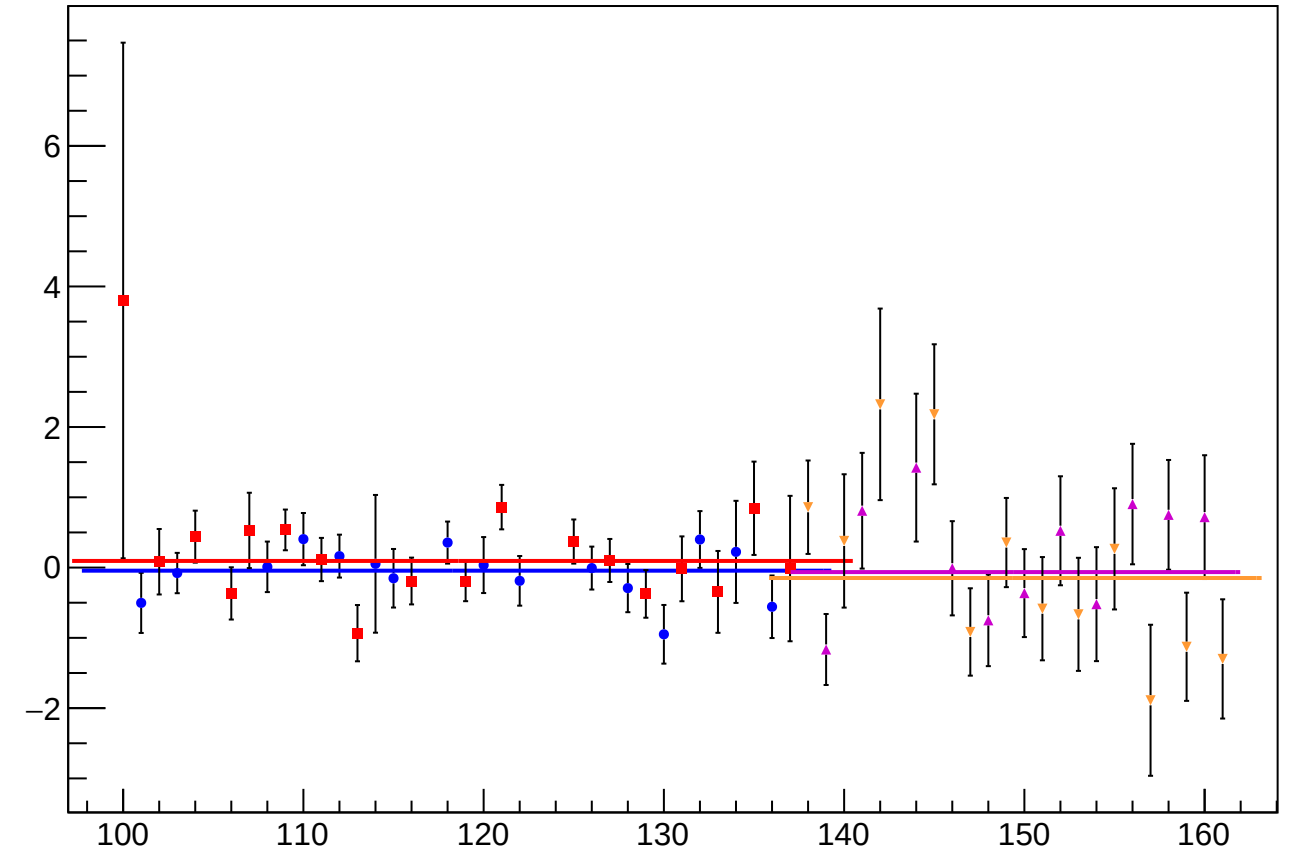
Left: 0.009+/-0.000 χ^2/NDF: 11304269.5/22

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:8766248.0/26

Out: 0.007+/-0.000 χ^2/NDF:15151487.3/29

All: 0.009+/-0.000 χ^2/NDF: 25733463.2/56



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.064+/-0.219 χ^2/NDF:13.3/10

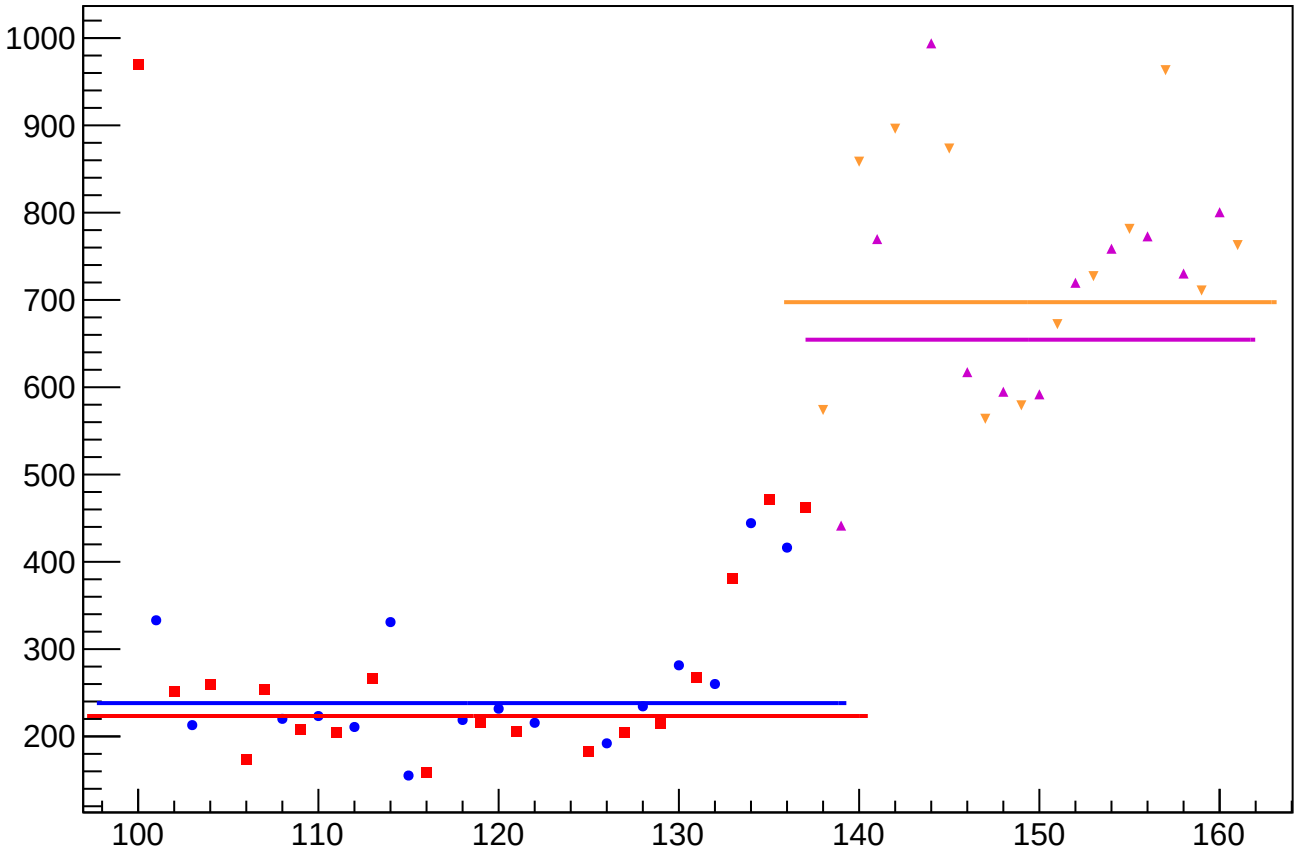
Left: -0.104+/-0.159 χ^2/NDF: 33.9/22

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.062+/-0.084 χ^2/NDF:46.8/29

All: 0.009+/-0.060 χ^2/NDF: 74.0/56



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 697.457+/-0.164 χ^2/NDF:552148.0/11

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

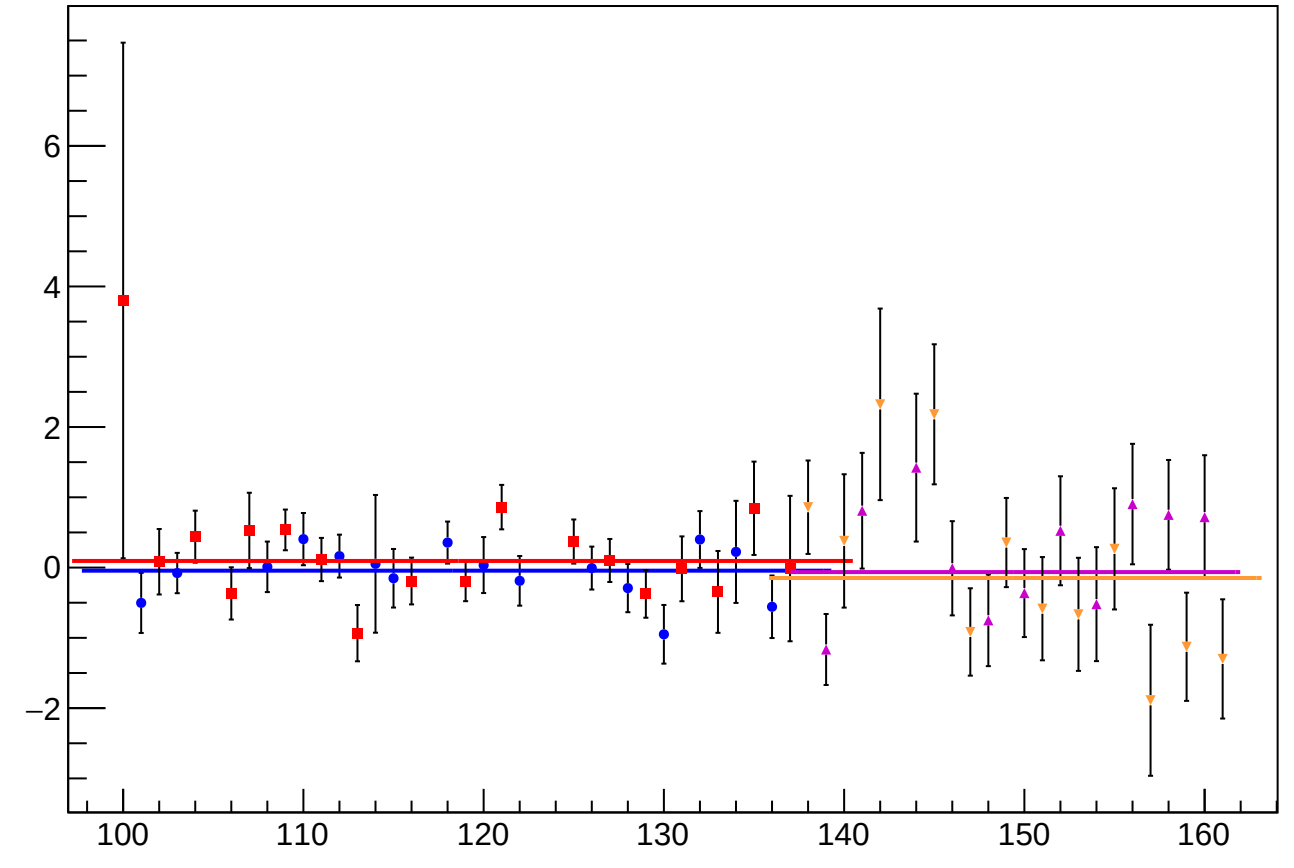
Left: 674.752+/-0.112 χ^2/NDF: 1393919.2/22

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 302.841+/-0.061 χ^2/NDF:7732901.3/26

Out: 285.729+/-0.059 χ^2/NDF:8705982.8/29

All: 294.054+/-0.043 χ^2/NDF: 16479353.4/56



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.064+/-0.219 χ^2/NDF:13.3/10

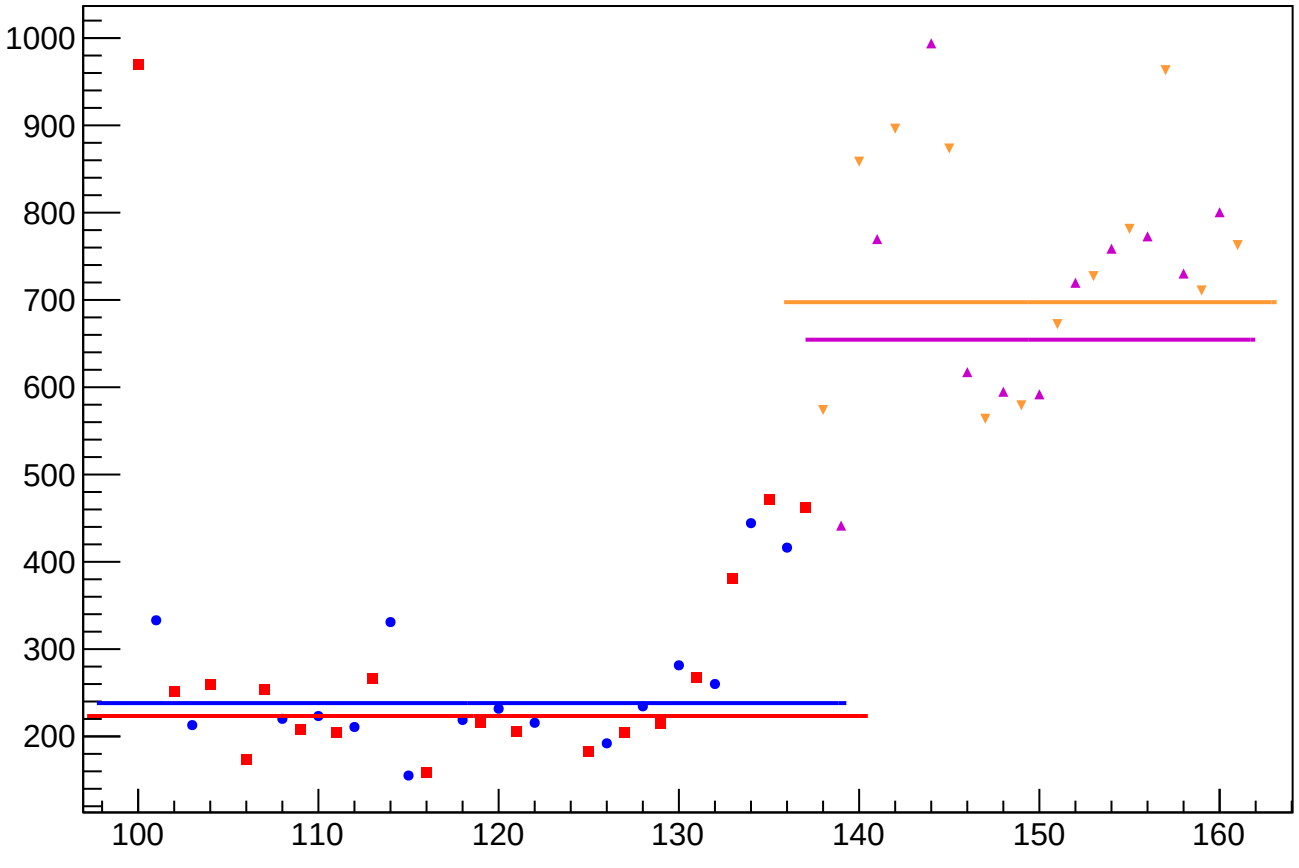
Left: -0.104+/-0.159 χ^2/NDF: 33.9/22

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.047+/-0.086 χ^2/NDF:26.4/26

Out: 0.062+/-0.084 χ^2/NDF:46.8/29

All: 0.009+/-0.060 χ^2/NDF: 74.0/56



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 697.457+/-0.164 χ^2/NDF:552148.0/11

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

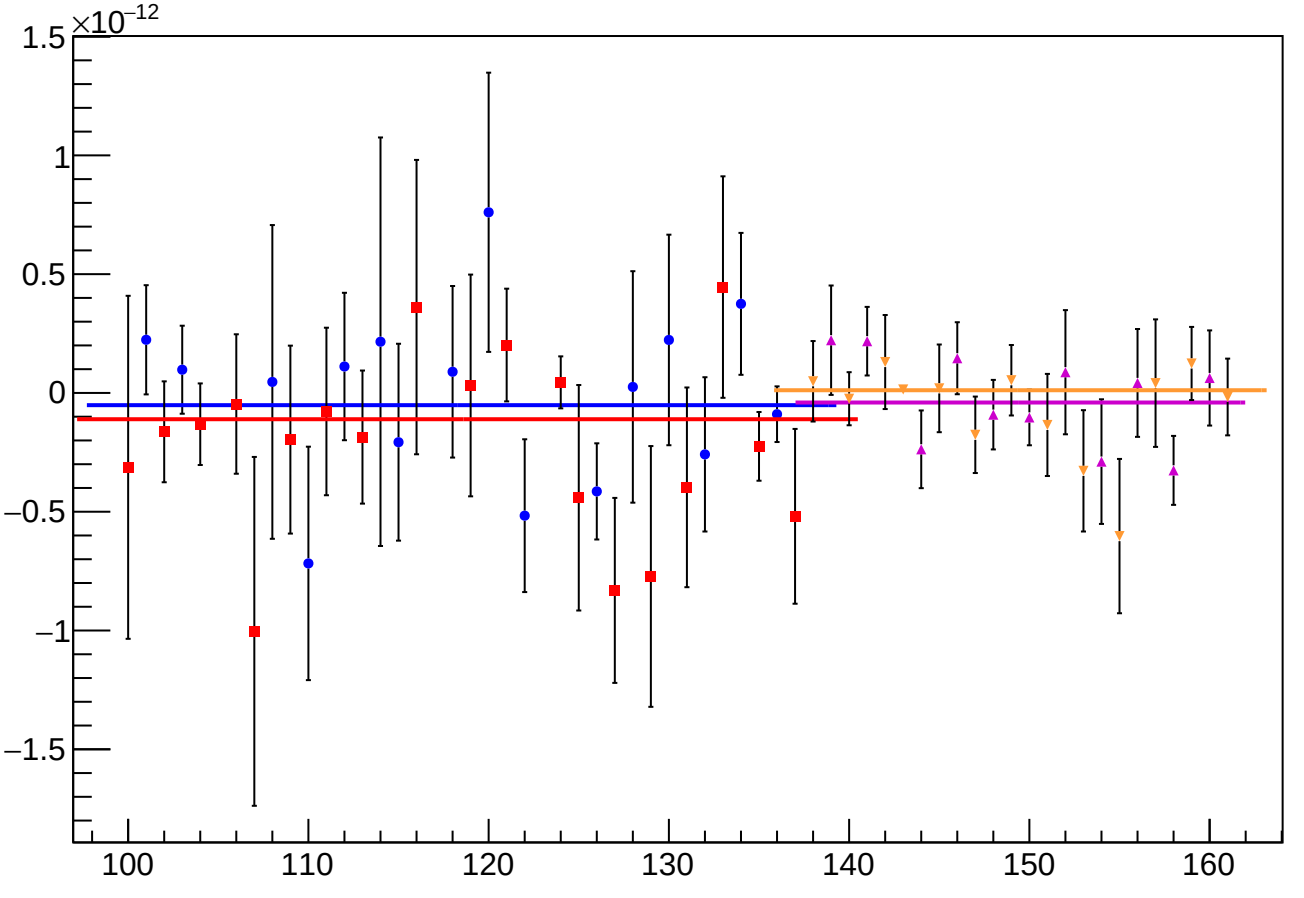
Left: 674.752+/-0.112 χ^2/NDF: 1393919.2/22

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 302.841+/-0.061 χ^2/NDF:7732901.3/26

Out: 285.729+/-0.059 χ^2/NDF:8705982.8/29

All: 294.054+/-0.043 χ^2/NDF: 16479353.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/10

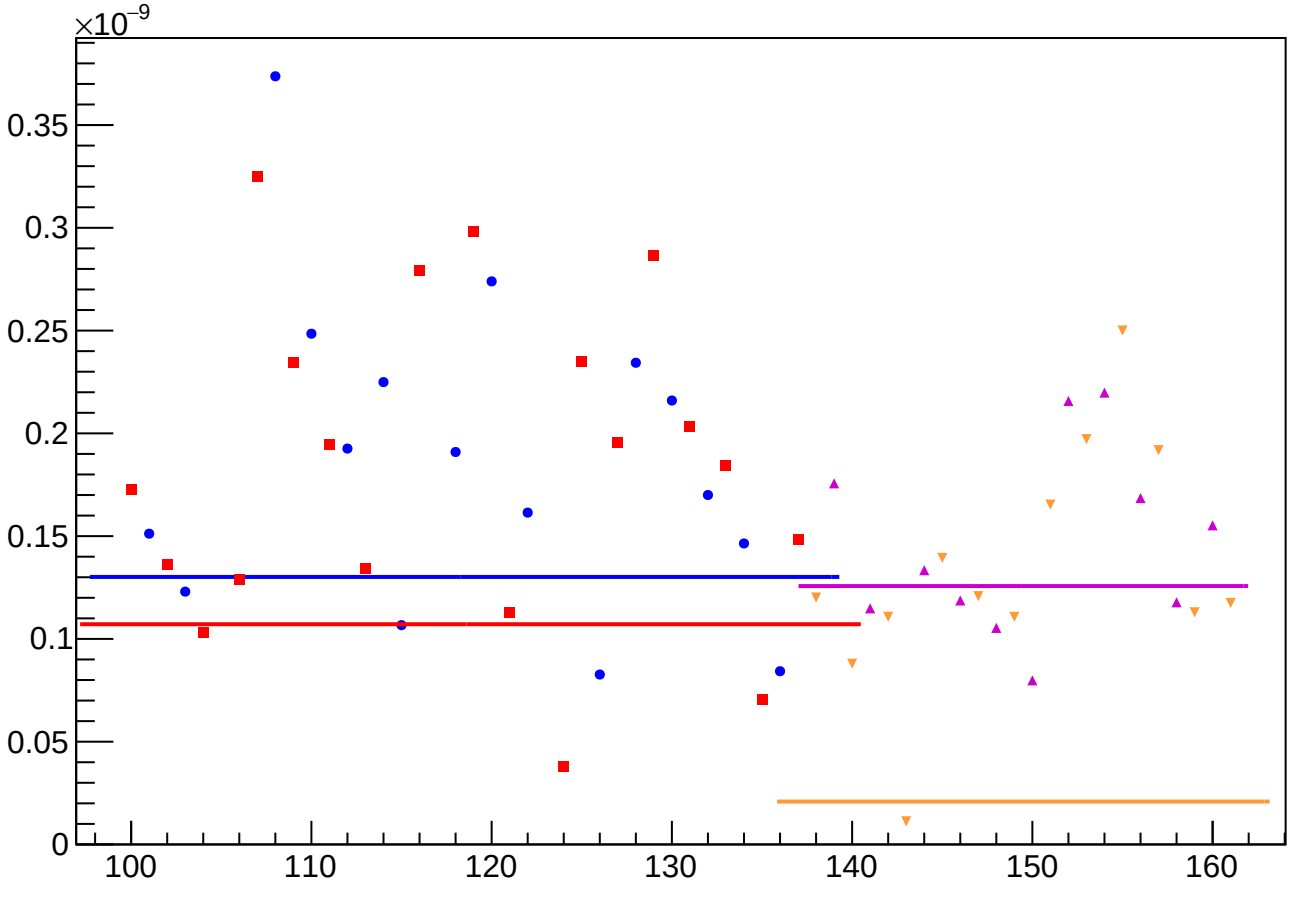
Left: 0.000+/-0.000 χ^2/NDF: 22.6/23

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:28.1/26

Out: 0.000+/-0.000 χ^2/NDF:27.7/31

All: -0.000+/-0.000 χ^2/NDF: 57.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10026460.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1074447.2/10

Left: 0.000+/-0.000 χ^2/NDF: 18969831.7/23

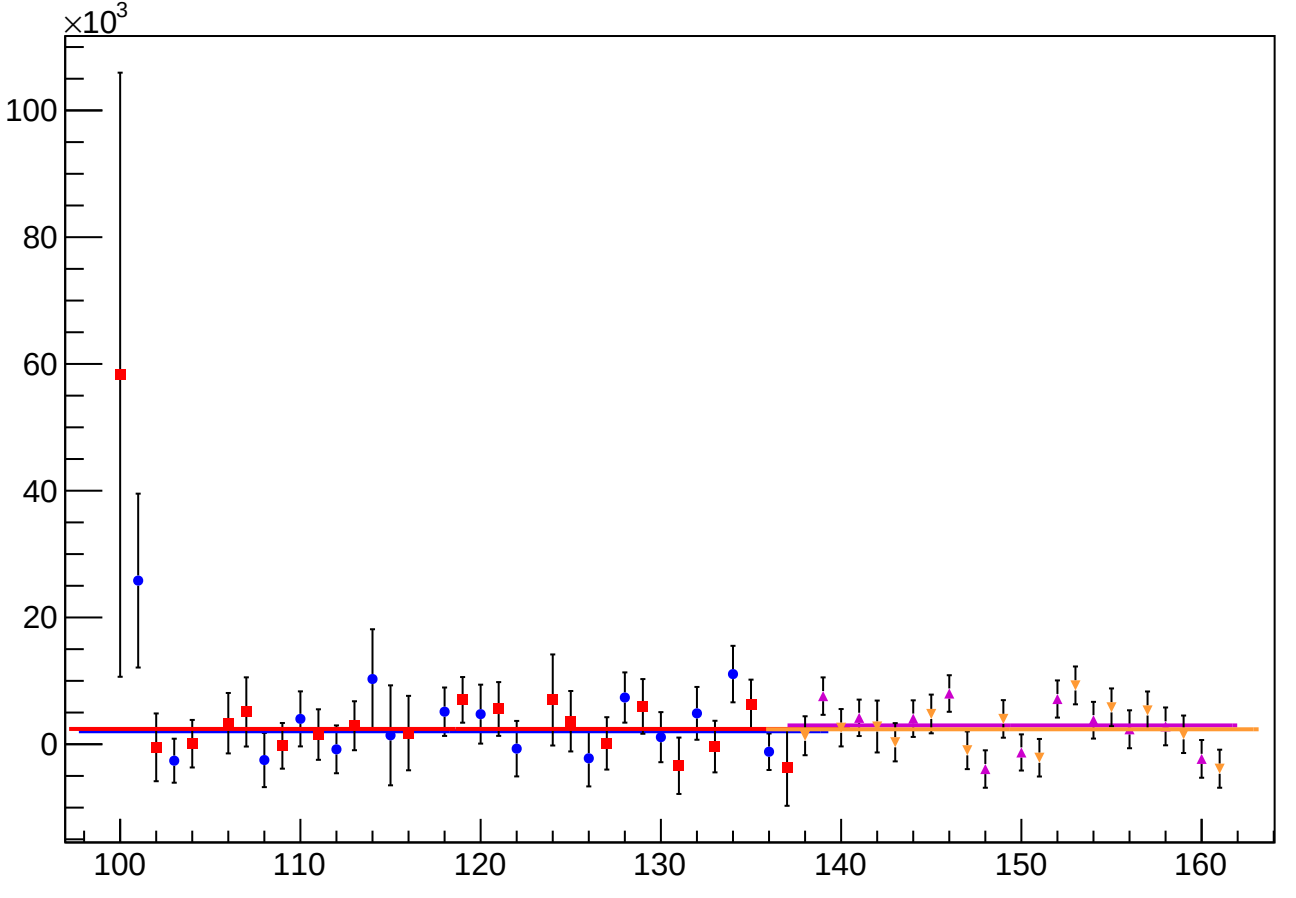
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2414253.2/26

Out: 0.000+/-0.000 χ^2/NDF:16703740.2/31

All: 0.000+/-0.000 χ^2/NDF: 30228814.1/58

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.815+/-845.144 χ^2/NDF:17.1/12

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2967.006+/-882.018 χ^2/NDF:18.8/10

Left: 2649.411+/-610.227 χ^2/NDF: 36.1/23

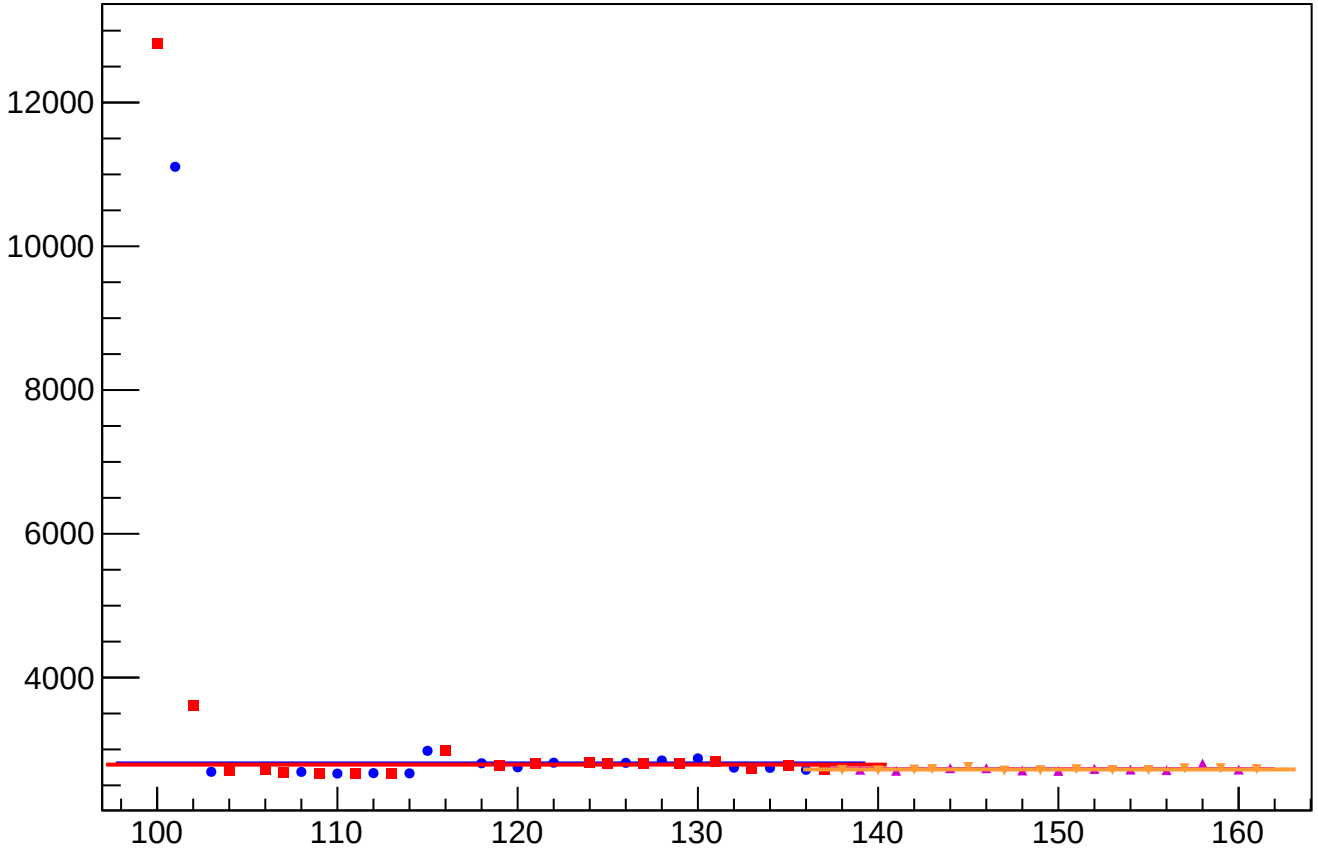
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2595.959+/-680.695 χ^2/NDF:37.0/26

Out: 2379.423+/-654.743 χ^2/NDF:27.9/31

All: 2483.484+/-471.881 χ^2/NDF: 64.9/58

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

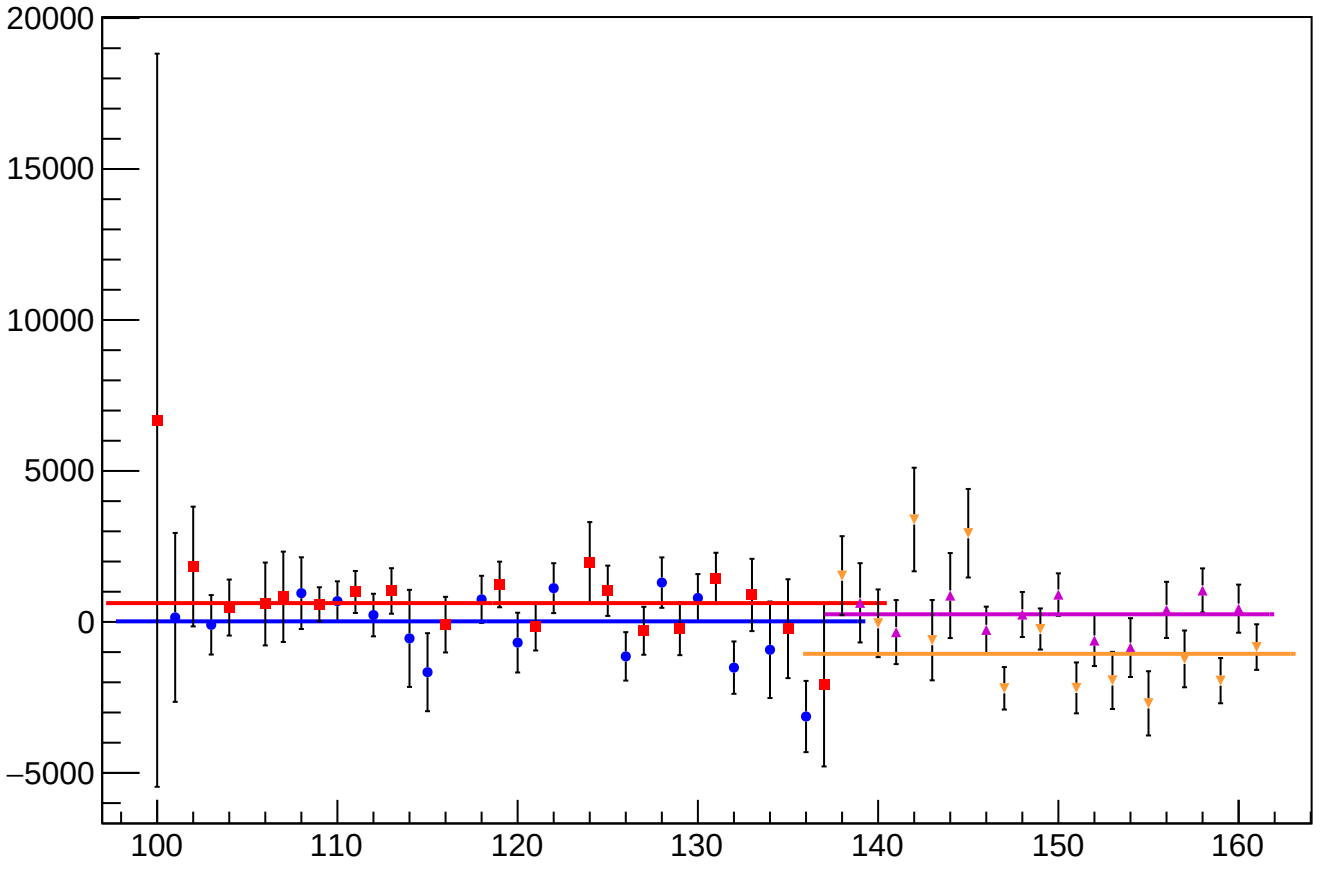
Left: 2724.380+/-0.431 χ^2/NDF: 2380.0/23

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2758.717+/-0.481 χ^2/NDF:754471.4/26

Out: 2748.707+/-0.463 χ^2/NDF:152514.7/31

All: 2753.518+/-0.334 χ^2/NDF: 907210.7/58



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1056.618+/-258.132 χ^2/NDF:29.7/12

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 253.074+/-262.218 χ^2/NDF:5.5/10

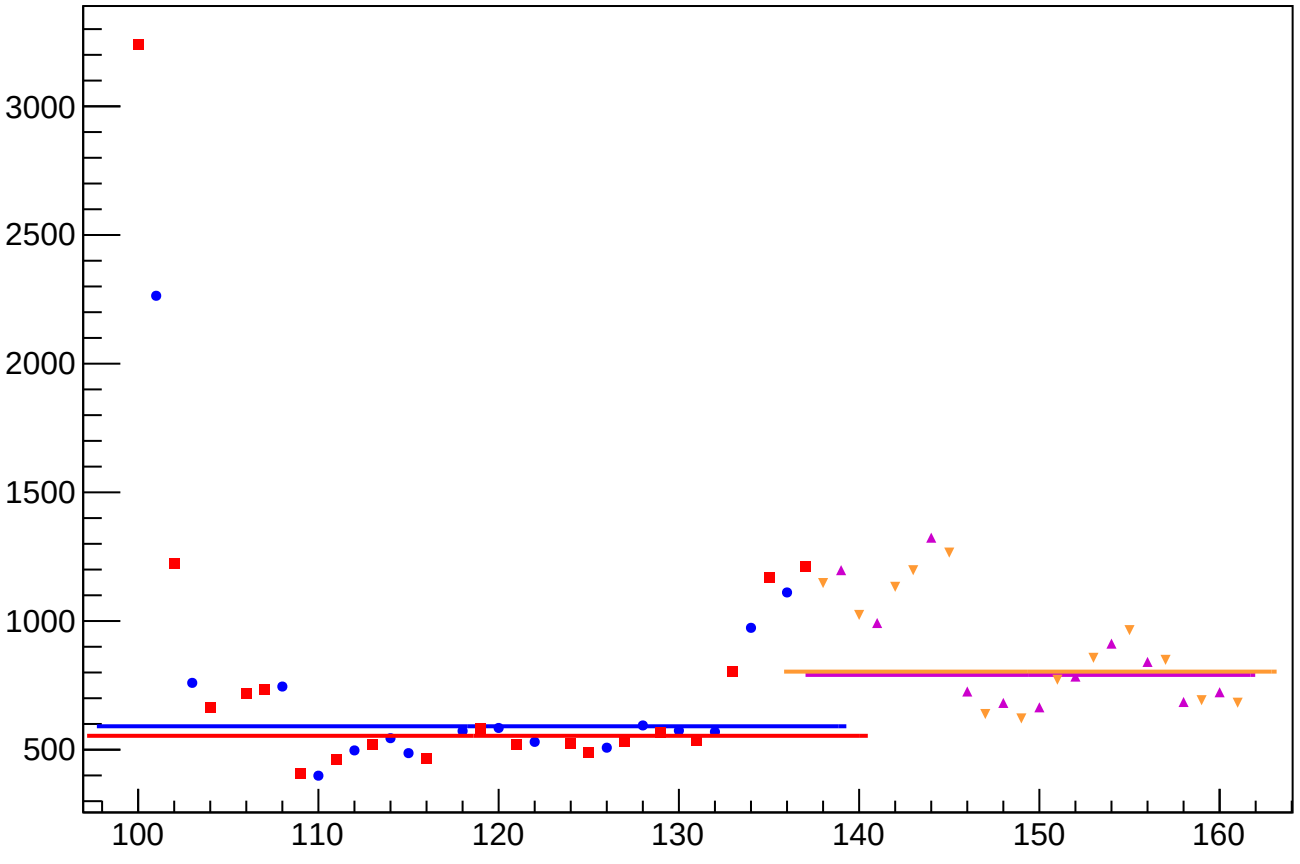
Left: -412.057+/-183.954 χ^2/NDF: 47.8/23

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 122.503+/-174.375 χ^2/NDF:28.7/26

Out: -68.467+/-165.631 χ^2/NDF:63.8/31

All: 22.110+/-120.091 χ^2/NDF: 93.1/58



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 803.394+/-0.183 χ^2/NDF:1071188.2/12

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 790.659+/-0.185 χ^2/NDF:765329.8/10

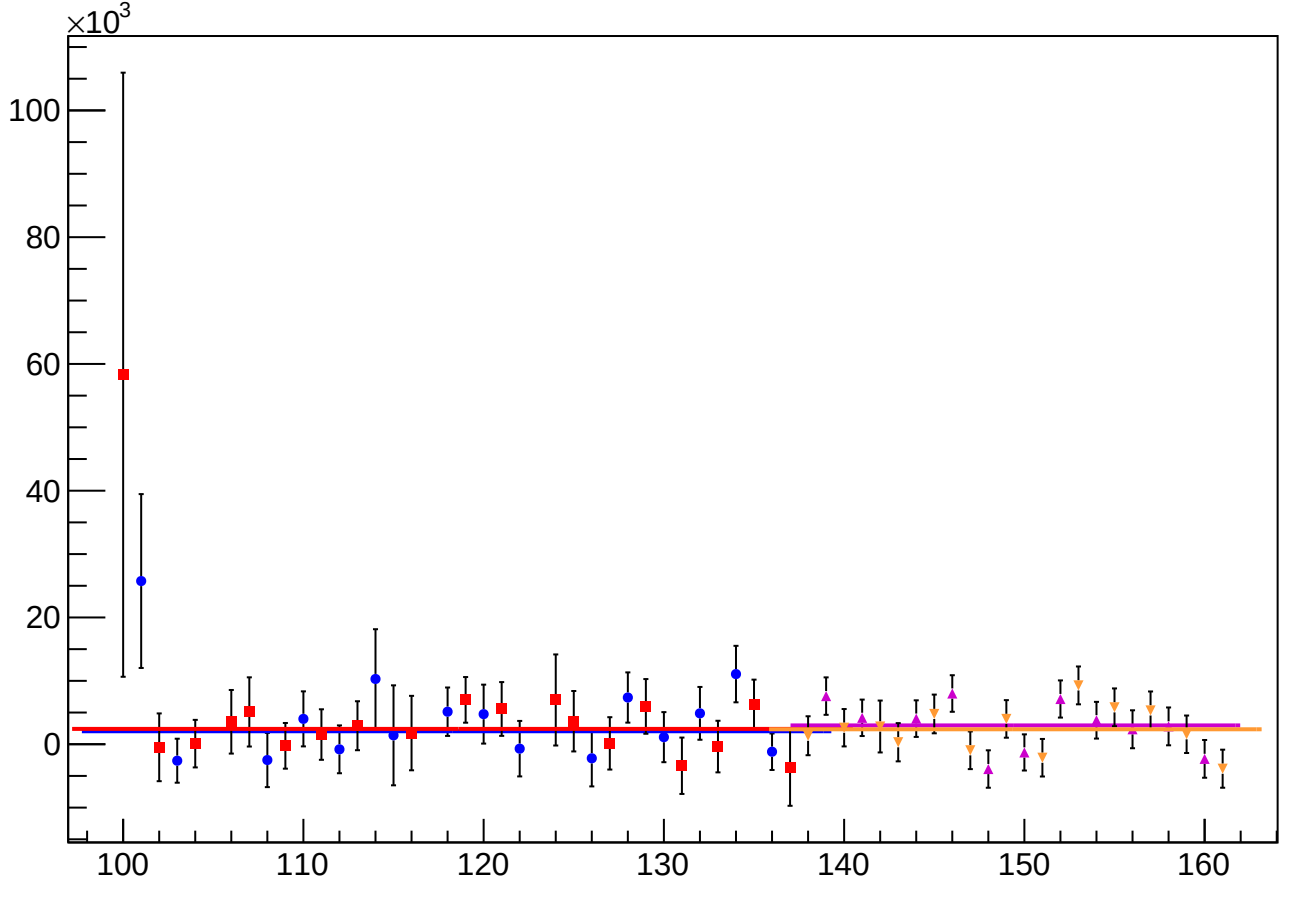
Left: 797.127+/-0.130 χ^2/NDF: 1838913.7/23

Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 679.317+/-0.123 χ^2/NDF:2979485.9/26

Out: 656.670+/-0.117 χ^2/NDF:3286525.1/31

All: 667.411+/-0.085 χ^2/NDF: 6283746.4/58



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.874+/-845.144 χ^2/NDF:17.1/12

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2967.032+/-882.018 χ^2/NDF:18.8/10

Left: 2649.454+/-610.227 χ^2/NDF: 36.1/23

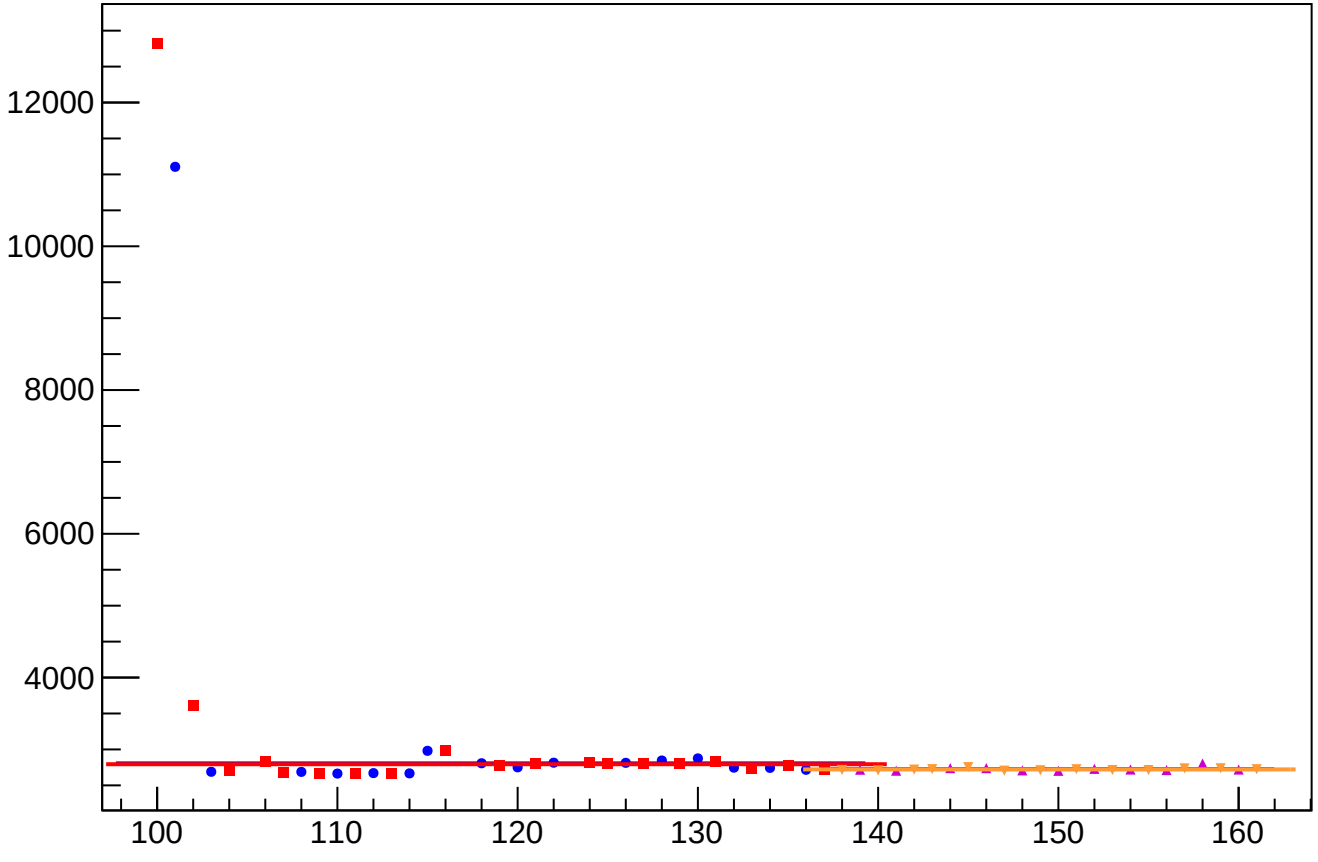
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2595.648+/-680.695 χ^2/NDF:37.0/26

Out: 2381.811+/-655.345 χ^2/NDF:27.9/31

All: 2484.674+/-472.107 χ^2/NDF: 64.9/58

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

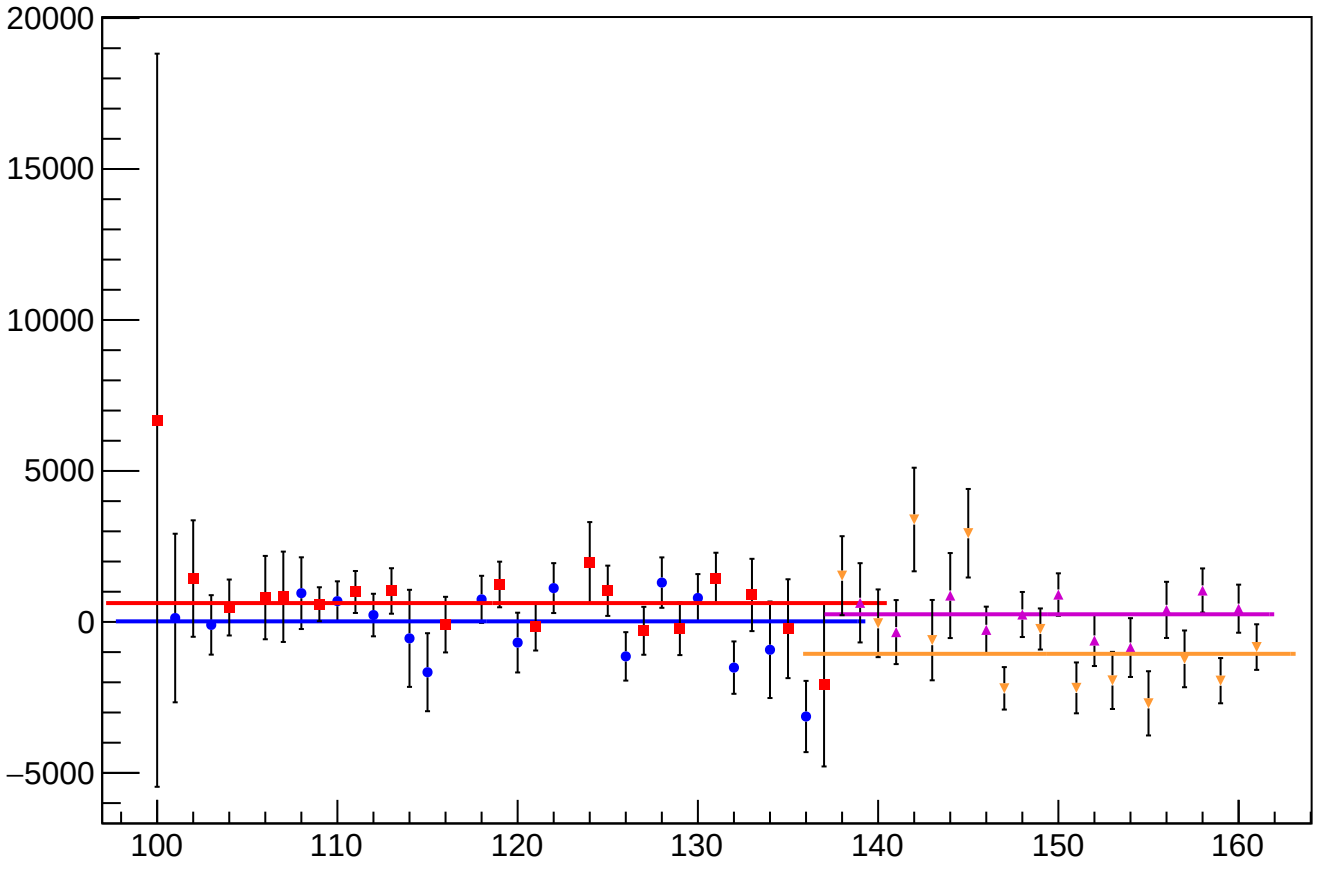
Left: 2724.380+/-0.431 χ^2/NDF: 2380.0/23

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2758.717+/-0.481 χ^2/NDF:754470.5/26

Out: 2750.761+/-0.463 χ^2/NDF:153075.0/31

All: 2754.588+/-0.334 χ^2/NDF: 907687.3/58



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1056.533+/-258.131 χ^2/NDF:29.7/12

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 253.111+/-262.218 χ^2/NDF:5.5/10

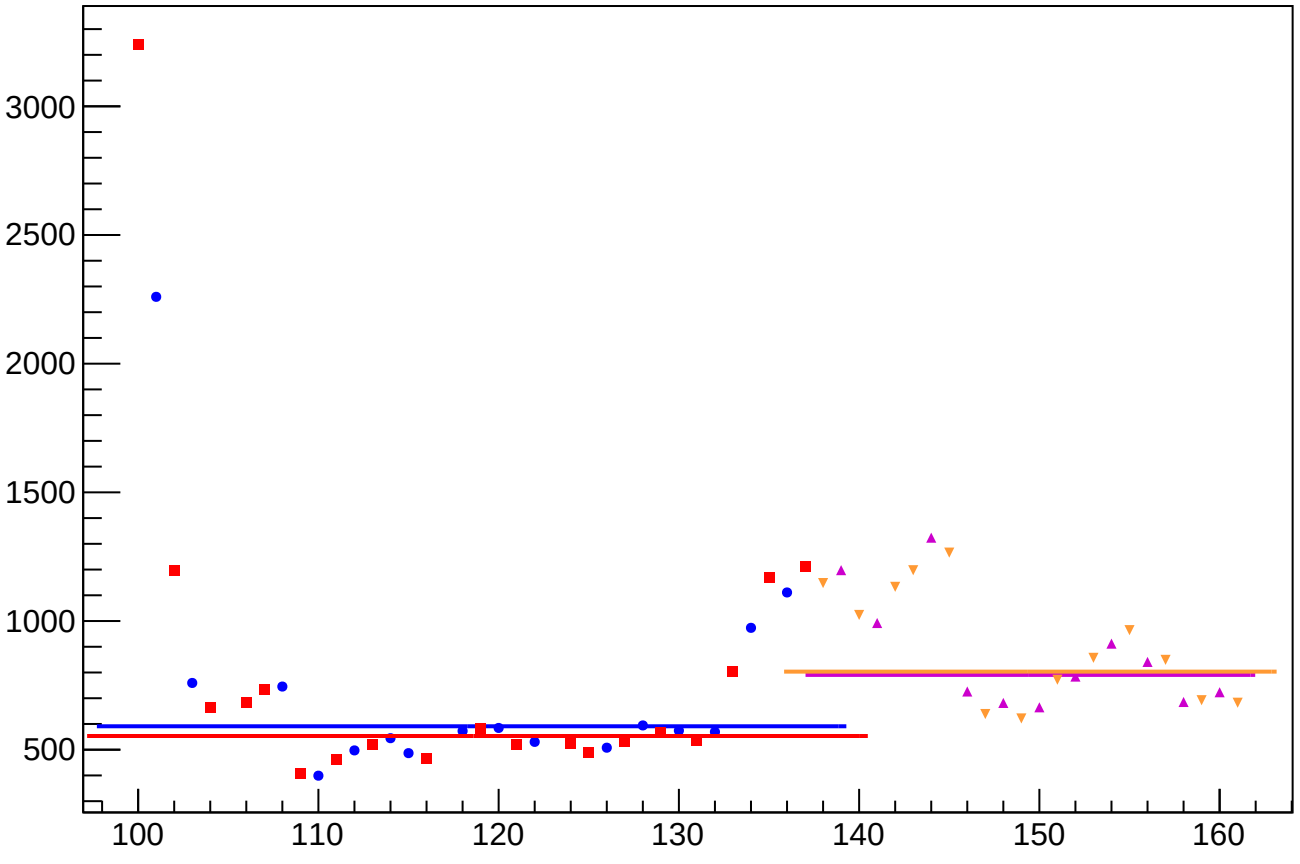
Left: -411.998+/-183.954 χ^2/NDF: 47.8/23

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 122.491+/-174.370 χ^2/NDF:28.7/26

Out: -67.607+/-165.610 χ^2/NDF:63.7/31

All: 22.547+/-120.081 χ^2/NDF: 93.0/58



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 803.390+/-0.183 χ^2/NDF:1071199.8/12

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

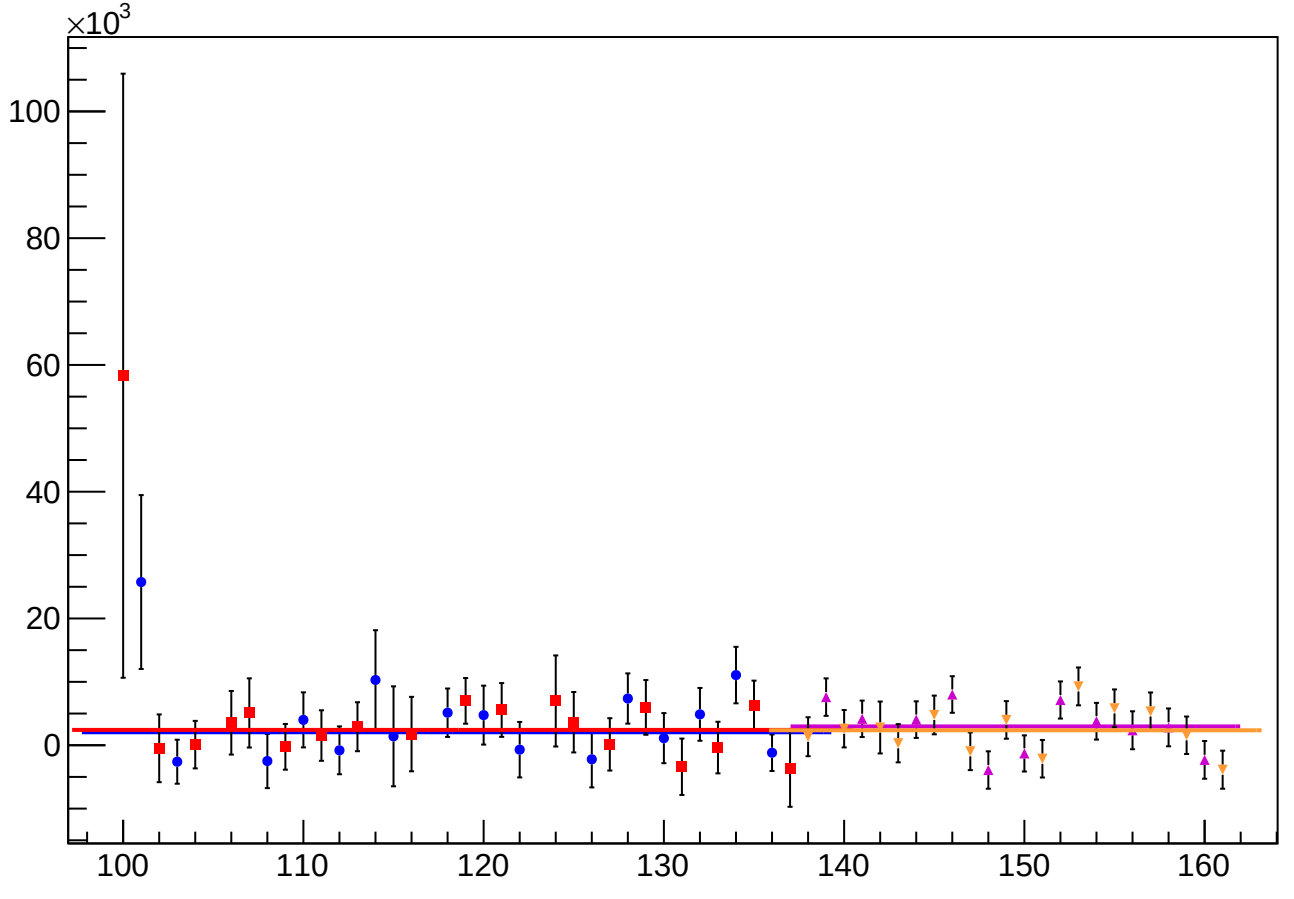
Left: 797.125+/-0.130 χ^2/NDF: 1838901.7/23

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 679.311+/-0.123 χ^2/NDF:2978470.6/26

Out: 656.202+/-0.117 χ^2/NDF:3278044.3/31

All: 667.161+/-0.085 χ^2/NDF: 6274983.7/58



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.874+/-845.144 χ^2/NDF:17.1/12

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2967.032+/-882.018 χ^2/NDF:18.8/10

Left: 2649.454+/-610.227 χ^2/NDF: 36.1/23

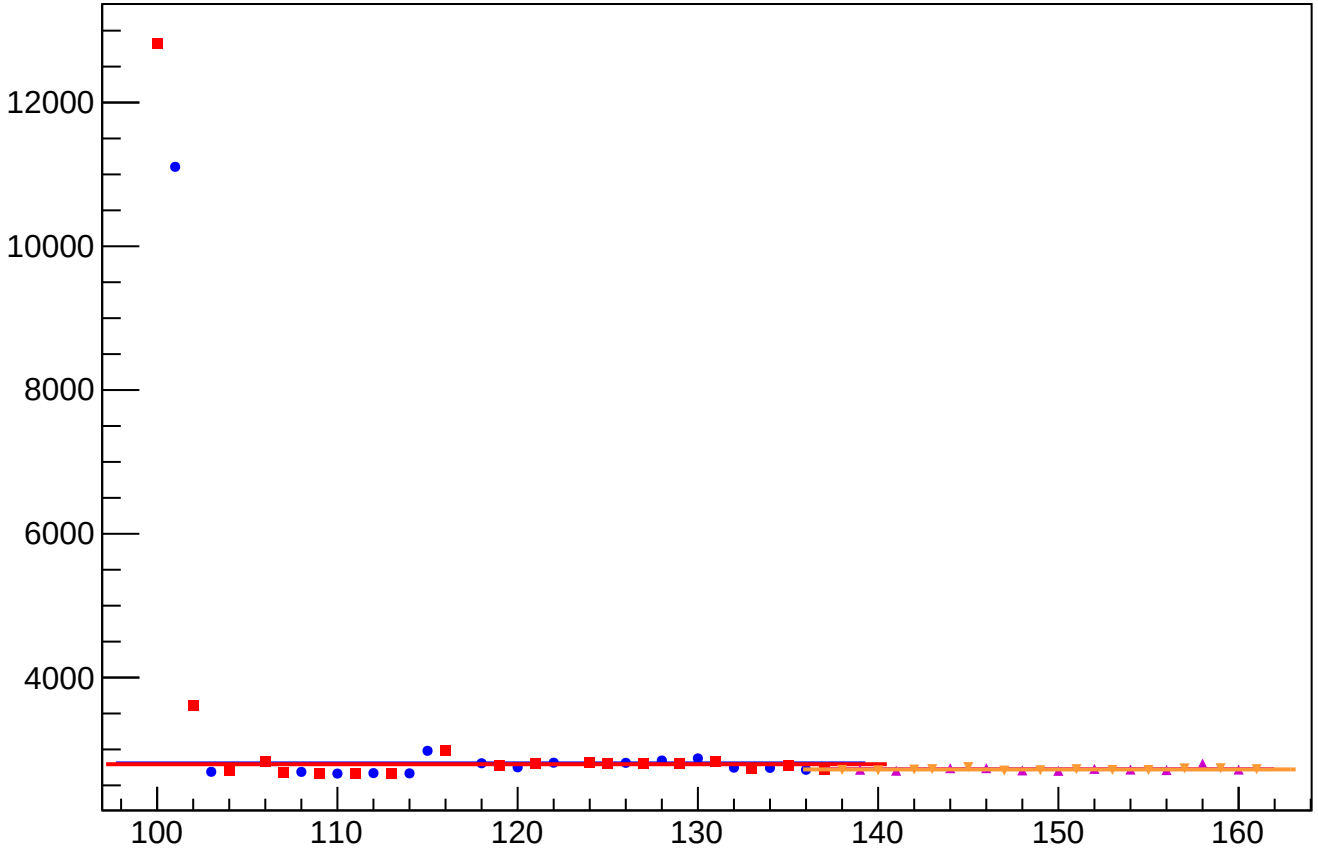
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2595.648+/-680.695 χ^2/NDF:37.0/26

Out: 2381.811+/-655.345 χ^2/NDF:27.9/31

All: 2484.674+/-472.107 χ^2/NDF: 64.9/58

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

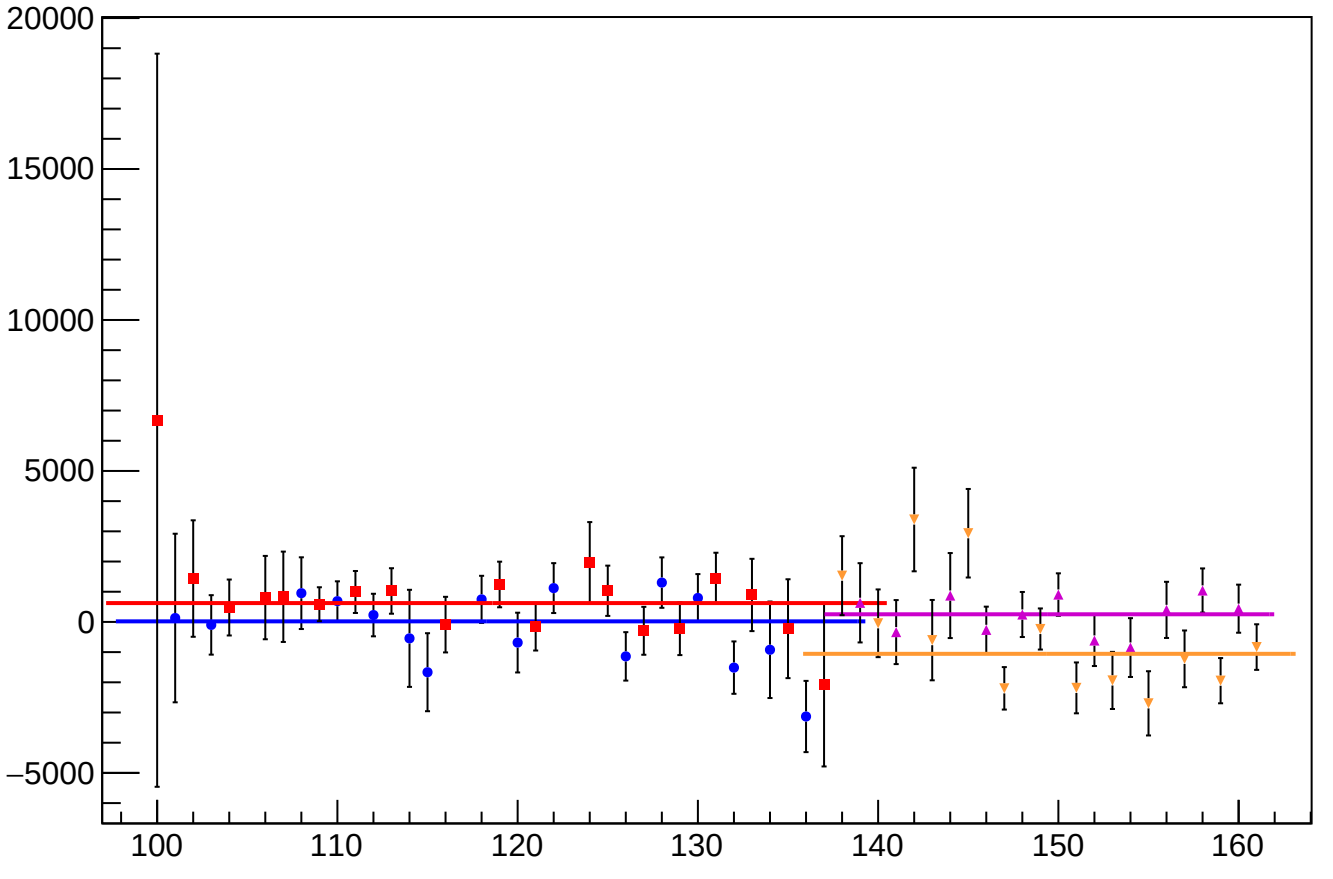
Left: 2724.380+/-0.431 χ^2/NDF: 2380.0/23

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2758.717+/-0.481 χ^2/NDF:754470.5/26

Out: 2750.761+/-0.463 χ^2/NDF:153075.0/31

All: 2754.588+/-0.334 χ^2/NDF: 907687.3/58



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1056.533+/-258.131 χ^2/NDF:29.7/12

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 253.111+/-262.218 χ^2/NDF:5.5/10

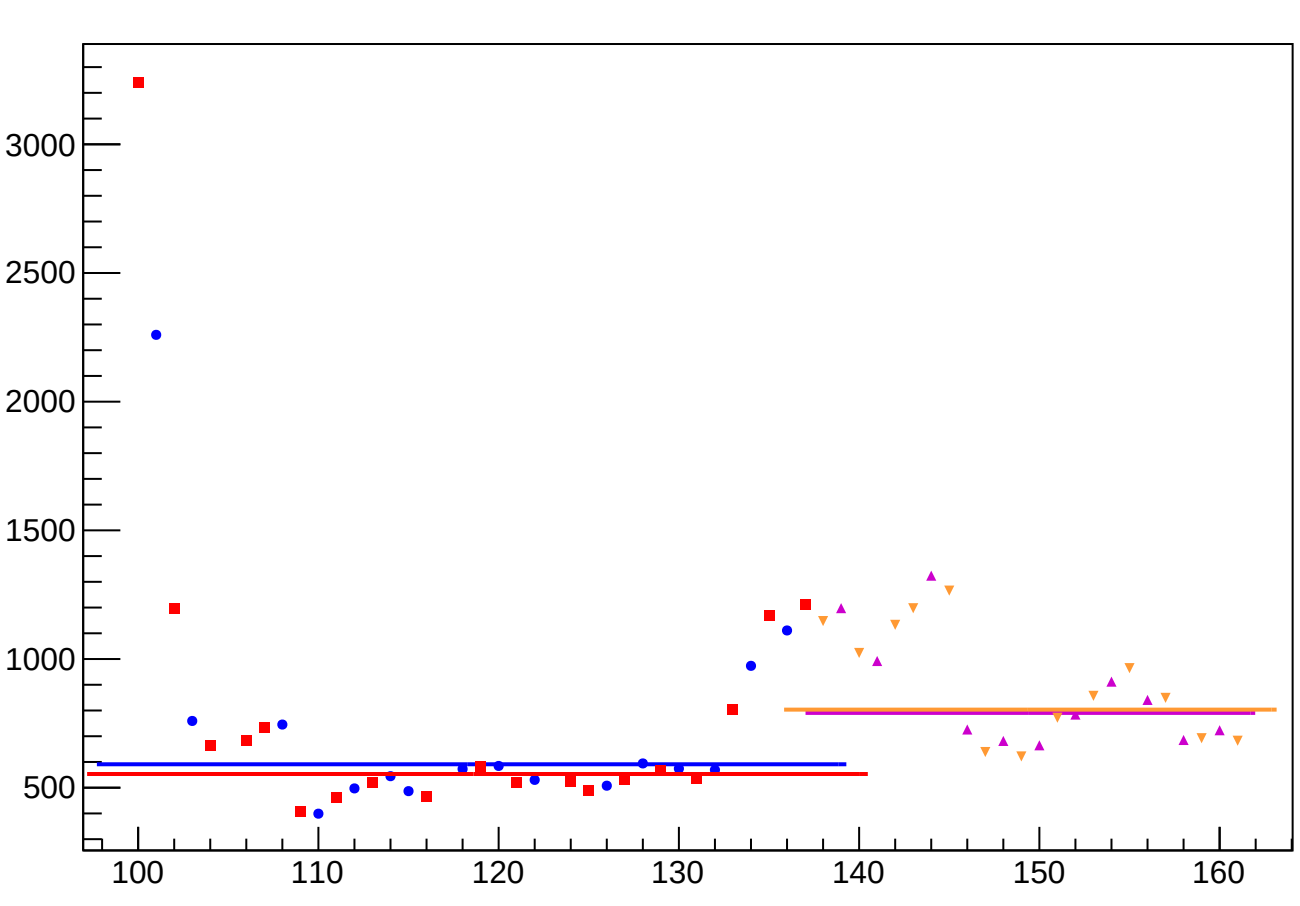
Left: -411.998+/-183.954 χ^2/NDF: 47.8/23

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 122.491+/-174.370 χ^2/NDF:28.7/26

Out: -67.607+/-165.610 χ^2/NDF:63.7/31

All: 22.547+/-120.081 χ^2/NDF: 93.0/58



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 803.390+/-0.183 χ^2/NDF:1071199.8/12

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

Left: 797.125+/-0.130 χ^2/NDF: 1838901.7/23

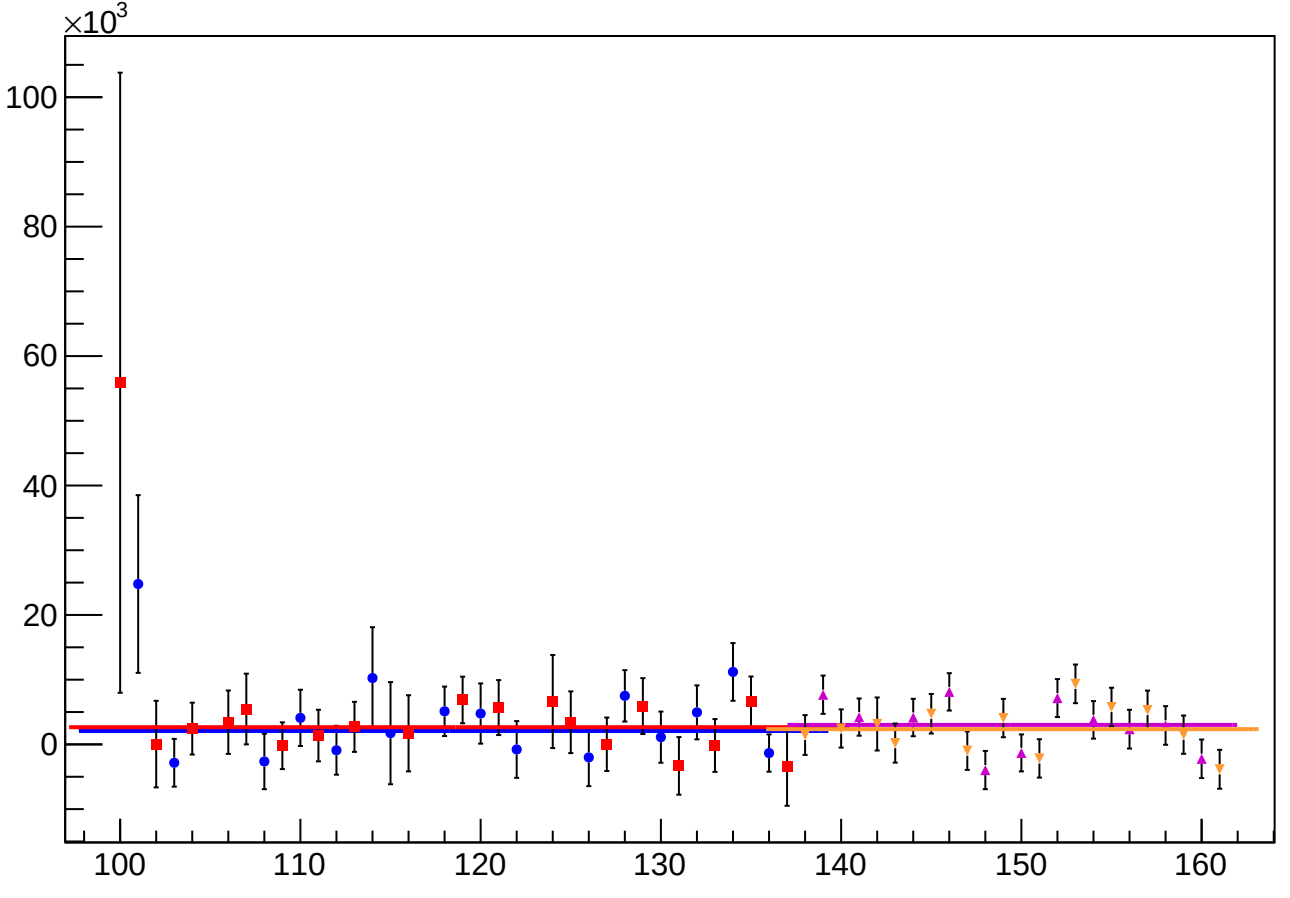
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 679.311+/-0.123 χ^2/NDF:2978470.6/26

Out: 656.202+/-0.117 χ^2/NDF:3278044.3/31

All: 667.161+/-0.085 χ^2/NDF: 6274983.7/58

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2354.909+/-845.775 χ^2/NDF:17.3/12

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3011.166+/-882.573 χ^2/NDF:19.0/10

Left: 2669.071+/-610.648 χ^2/NDF: 36.6/23

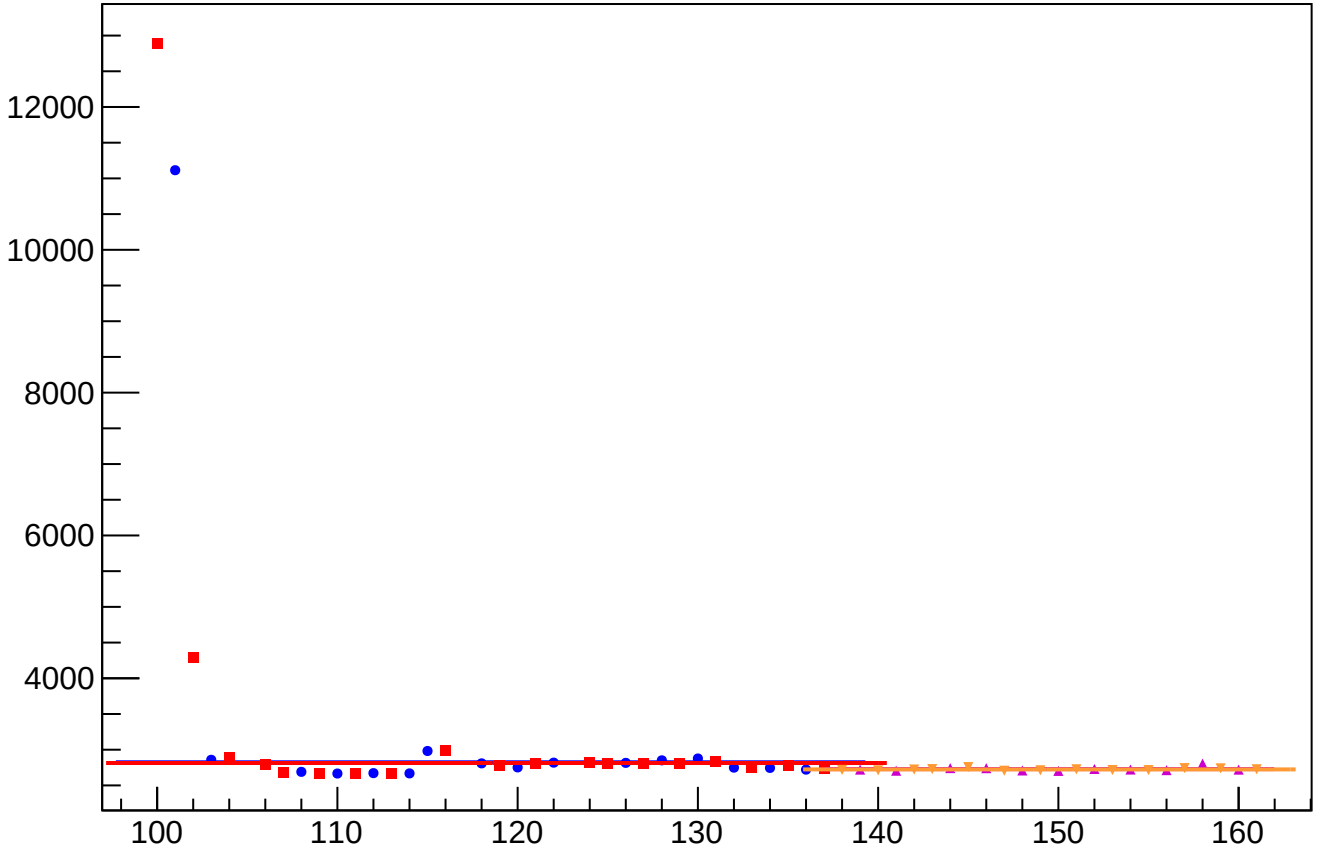
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2635.045+/-682.688 χ^2/NDF:37.4/26

Out: 2473.921+/-658.636 χ^2/NDF:27.3/31

All: 2551.595+/-474.001 χ^2/NDF: 64.6/58

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.008+/-0.598 χ^2/NDF:553.8/12

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

Left: 2726.250+/-0.432 χ^2/NDF: 2427.9/23

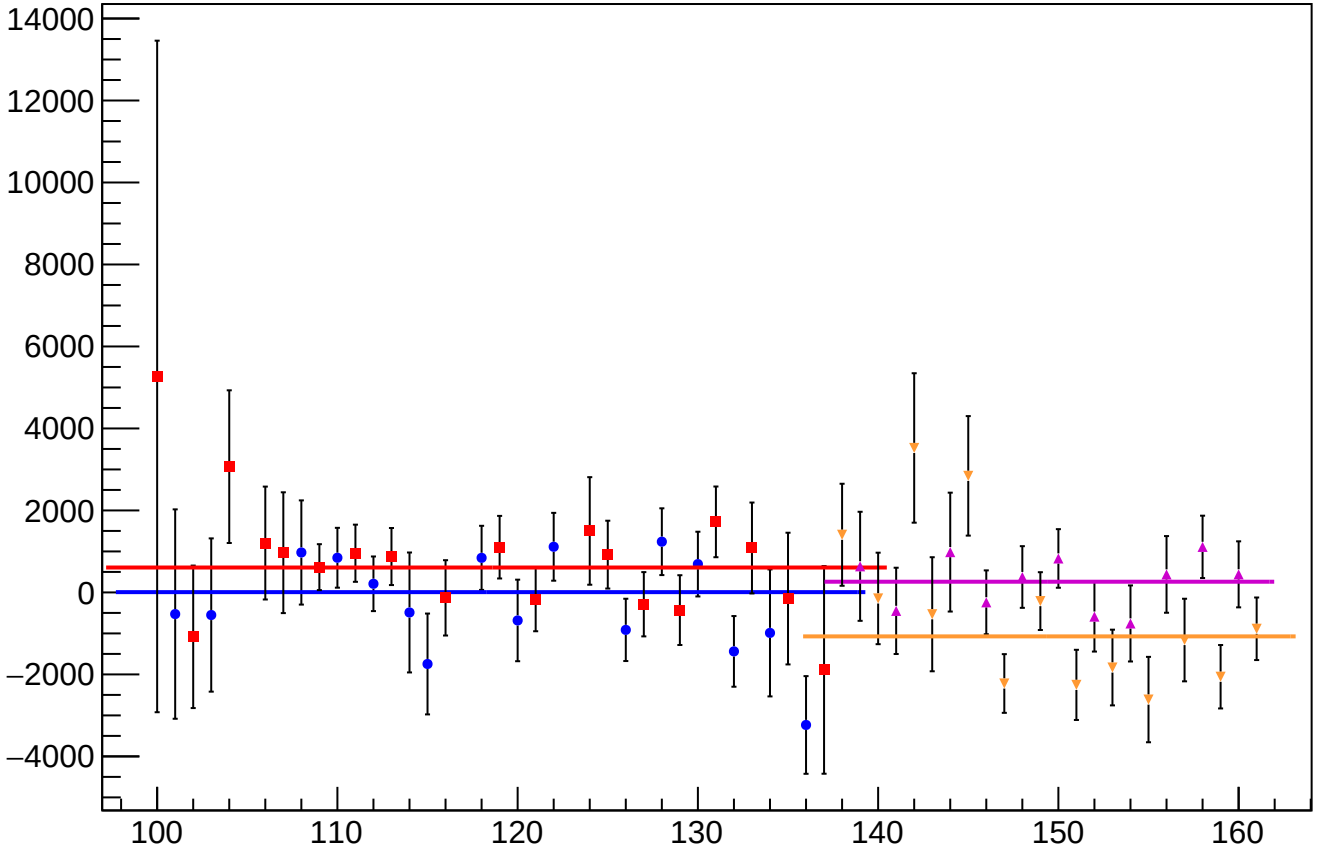
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2766.752+/-0.483 χ^2/NDF:755020.9/26

Out: 2759.356+/-0.466 χ^2/NDF:209941.8/31

All: 2762.921+/-0.335 χ^2/NDF: 965084.3/58

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1072.438+/-262.326 χ^2/NDF:28.9/12

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 261.049+/-264.768 χ^2/NDF:5.4/10

Left: -411.873+/-186.350 χ^2/NDF: 47.1/23

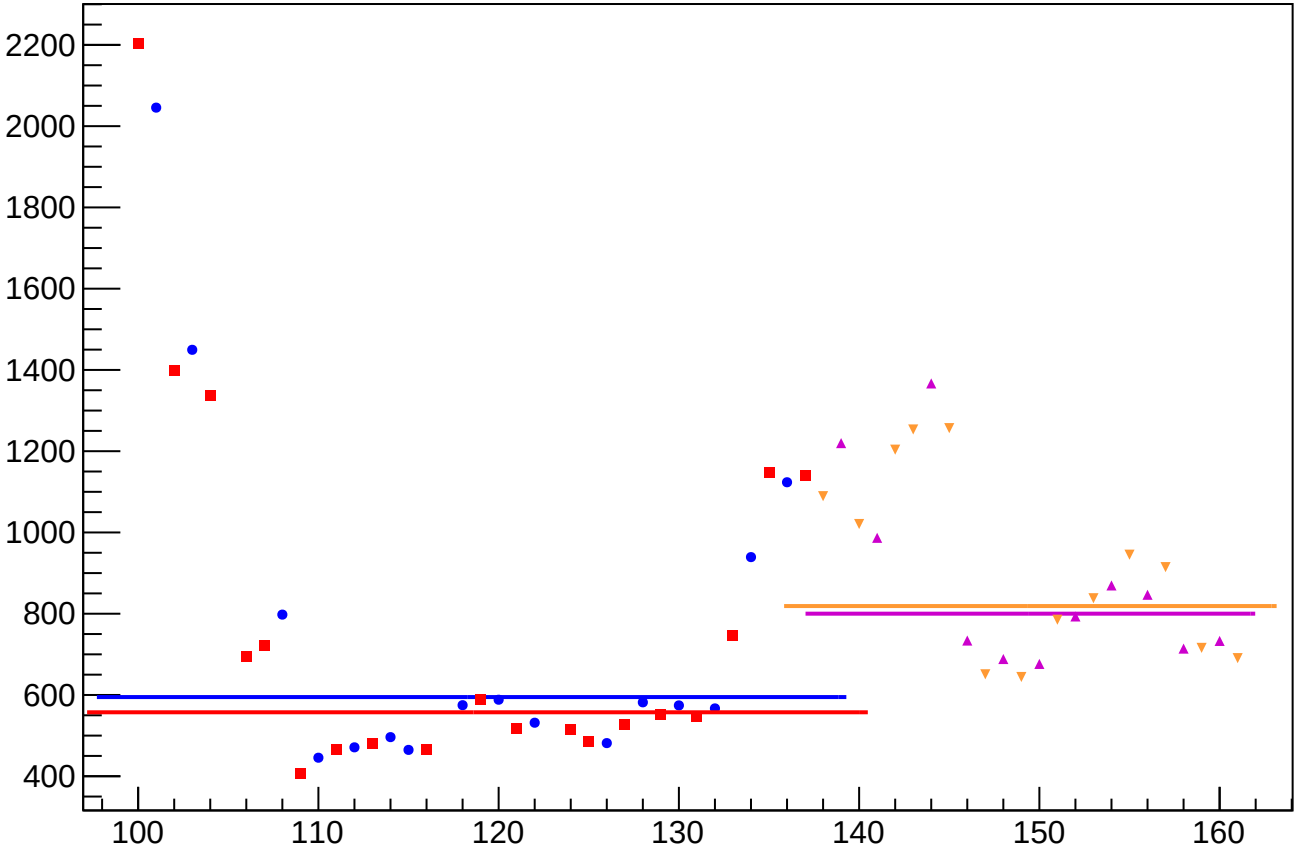
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 120.276+/-176.776 χ^2/NDF:28.7/26

Out: -75.281+/-167.249 χ^2/NDF:65.4/31

All: 17.086+/-121.491 χ^2/NDF: 94.8/58

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 818.846+/-0.185 χ^2/NDF:1000821.7/12

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 800.110+/-0.187 χ^2/NDF:741618.8/10

Left: 809.565+/-0.132 χ^2/NDF: 1747494.8/23

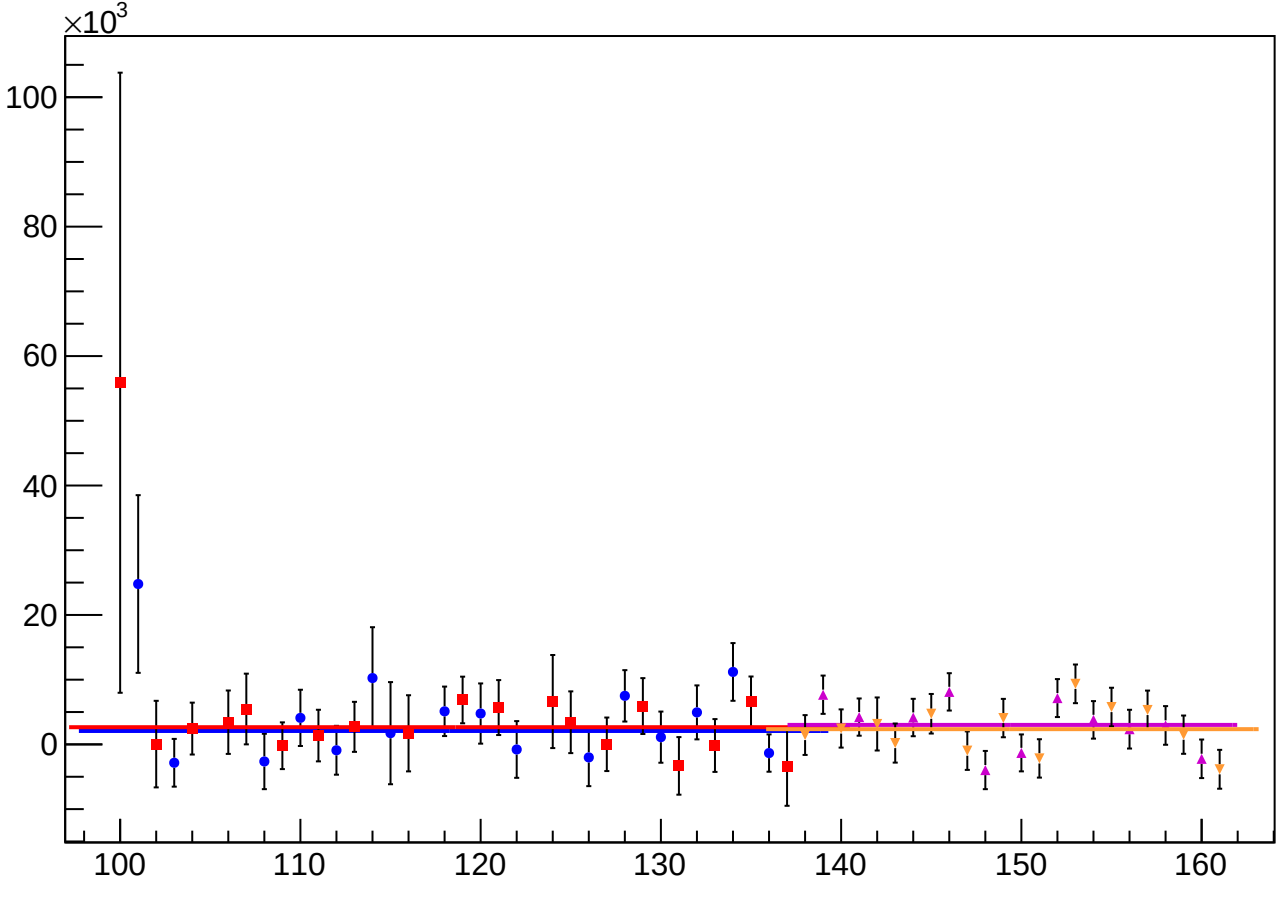
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 686.354+/-0.125 χ^2/NDF:3260403.5/26

Out: 663.672+/-0.118 χ^2/NDF:3811243.7/31

All: 674.385+/-0.086 χ^2/NDF: 7089021.8/58

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2354.910+/-845.775 χ^2/NDF:17.3/12

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3011.165+/-882.573 χ^2/NDF:19.0/10

Left: 2669.072+/-610.648 χ^2/NDF: 36.6/23

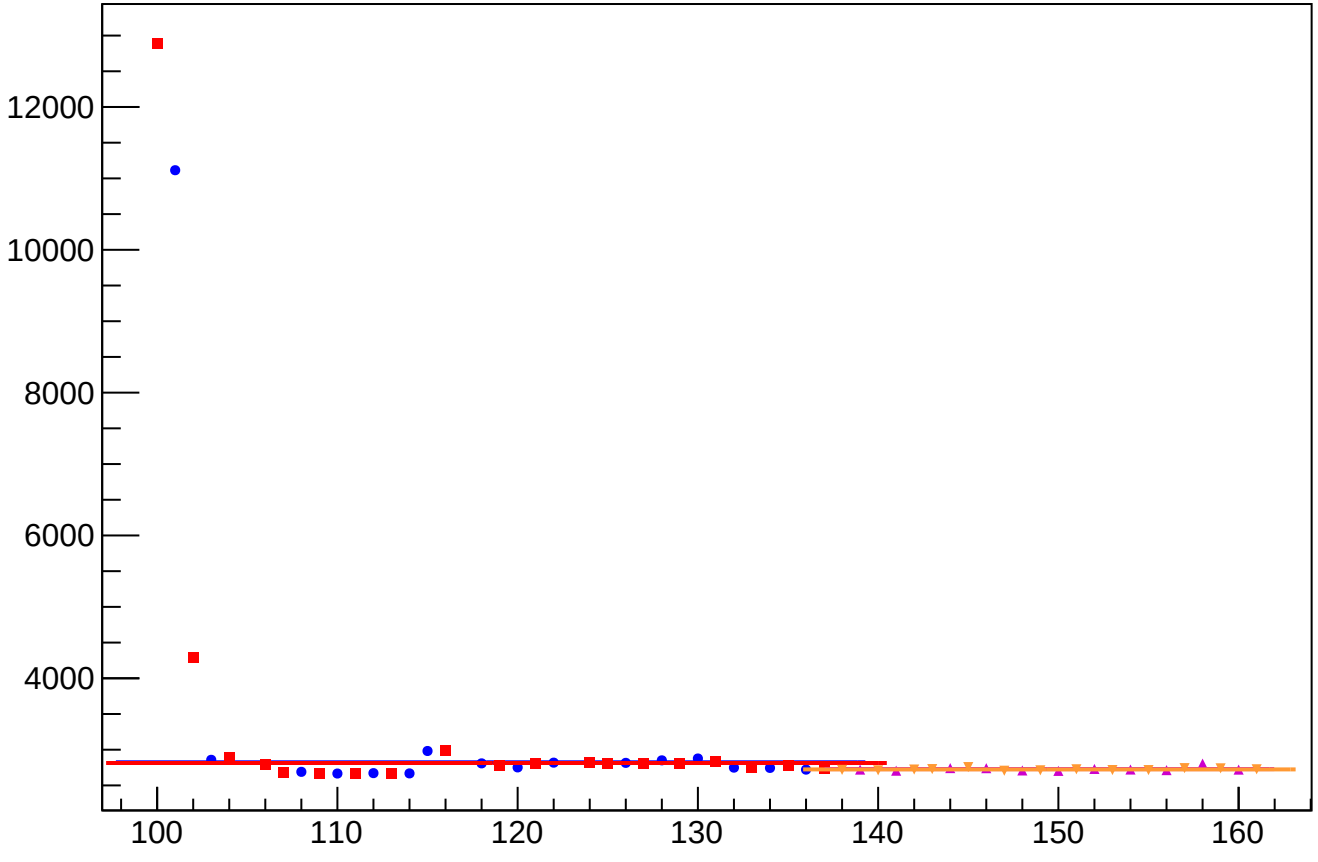
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2635.045+/-682.688 χ^2/NDF:37.4/26

Out: 2473.922+/-658.636 χ^2/NDF:27.3/31

All: 2551.595+/-474.001 χ^2/NDF: 64.6/58

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.008+/-0.598 χ^2/NDF:553.8/12

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

Left: 2726.250+/-0.432 χ^2/NDF: 2427.9/23

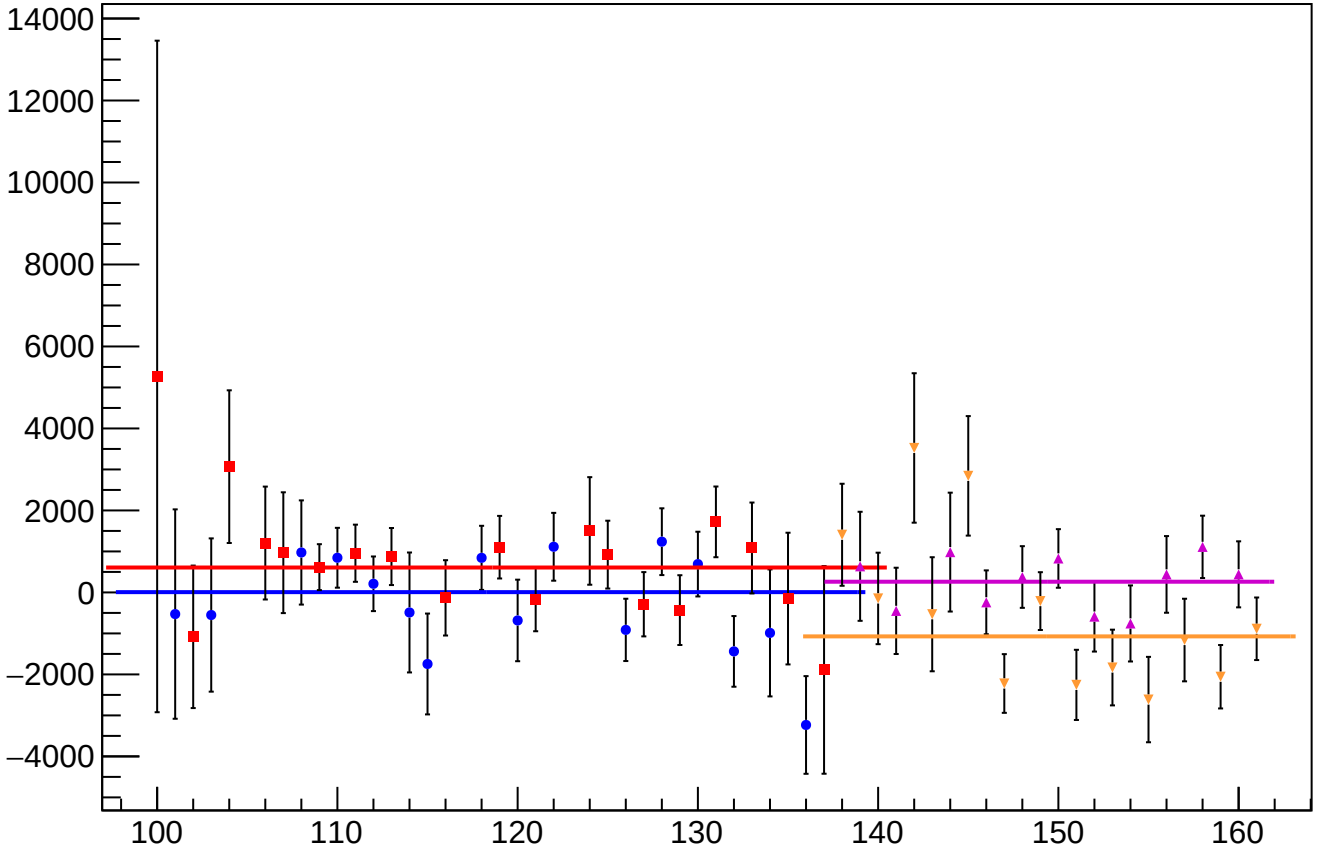
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2766.752+/-0.483 χ^2/NDF:755020.8/26

Out: 2759.356+/-0.466 χ^2/NDF:209941.6/31

All: 2762.921+/-0.335 χ^2/NDF: 965084.0/58

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1072.439+/-262.326 χ^2/NDF:28.9/12

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 261.049+/-264.768 χ^2/NDF:5.4/10

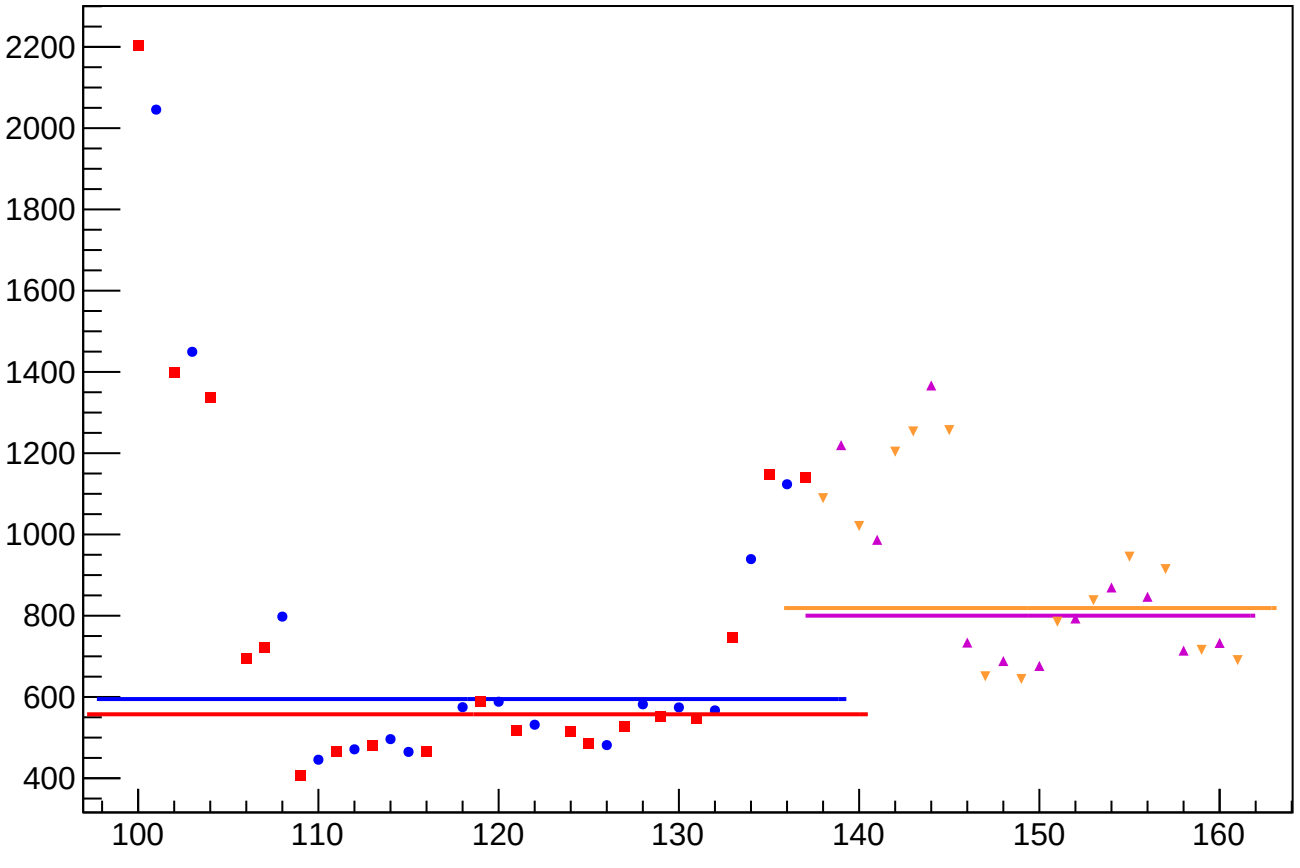
Left: -411.873+/-186.350 χ^2/NDF: 47.1/23

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 120.276+/-176.776 χ^2/NDF:28.7/26

Out: -75.281+/-167.249 χ^2/NDF:65.4/31

All: 17.086+/-121.491 χ^2/NDF: 94.8/58



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 818.846+/-0.185 χ^2/NDF:1000823.6/12

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 800.109+/-0.187 χ^2/NDF:741621.0/10

Left: 809.565+/-0.132 χ^2/NDF: 1747498.9/23

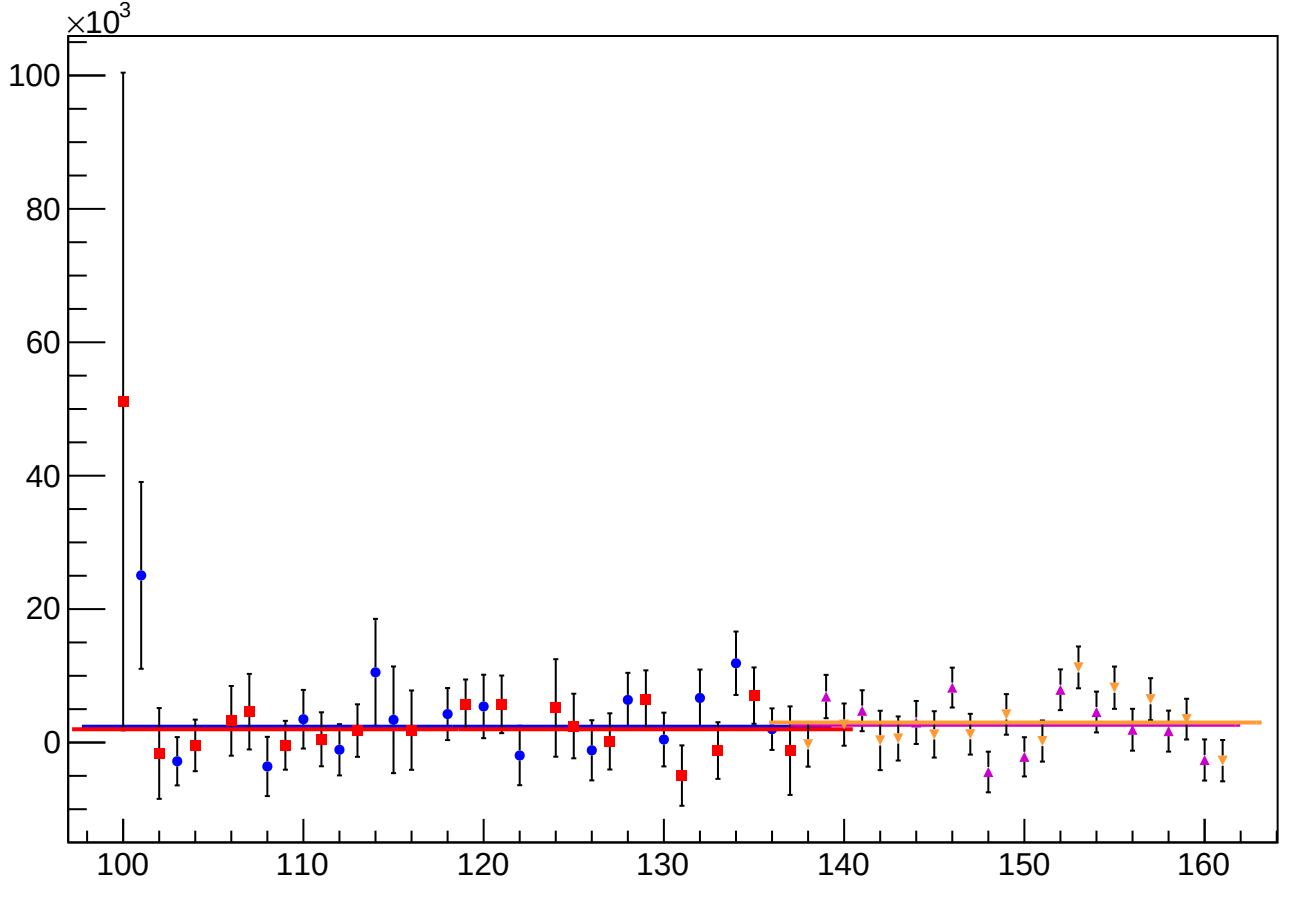
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 686.354+/-0.125 χ^2/NDF:3260395.5/26

Out: 663.672+/-0.118 χ^2/NDF:3811240.8/31

All: 674.385+/-0.086 χ^2/NDF: 7089011.0/58

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2996.162+/-895.294 χ^2/NDF:17.7/12

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2659.344+/-929.120 χ^2/NDF:20.1/10

Left: 2833.996+/-644.695 χ^2/NDF: 38.0/23

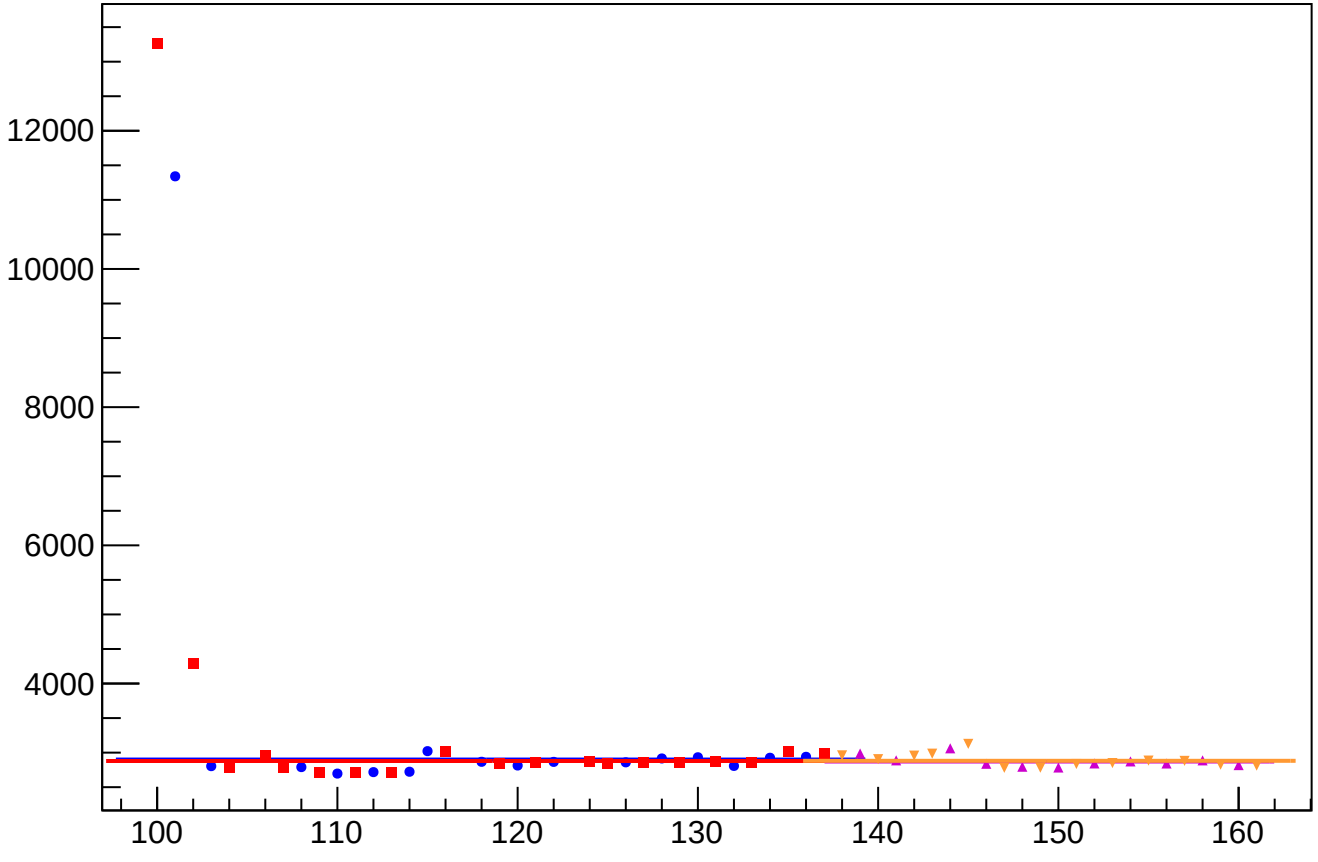
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2538.488+/-711.461 χ^2/NDF:37.0/26

Out: 2583.022+/-688.035 χ^2/NDF:28.6/31

All: 2561.500+/-494.588 χ^2/NDF: 65.6/58

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2881.610+/-0.633 χ^2/NDF:20420.8/12

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2871.427+/-0.657 χ^2/NDF:13764.6/10

Left: 2876.707+/-0.456 χ^2/NDF: 34310.0/23

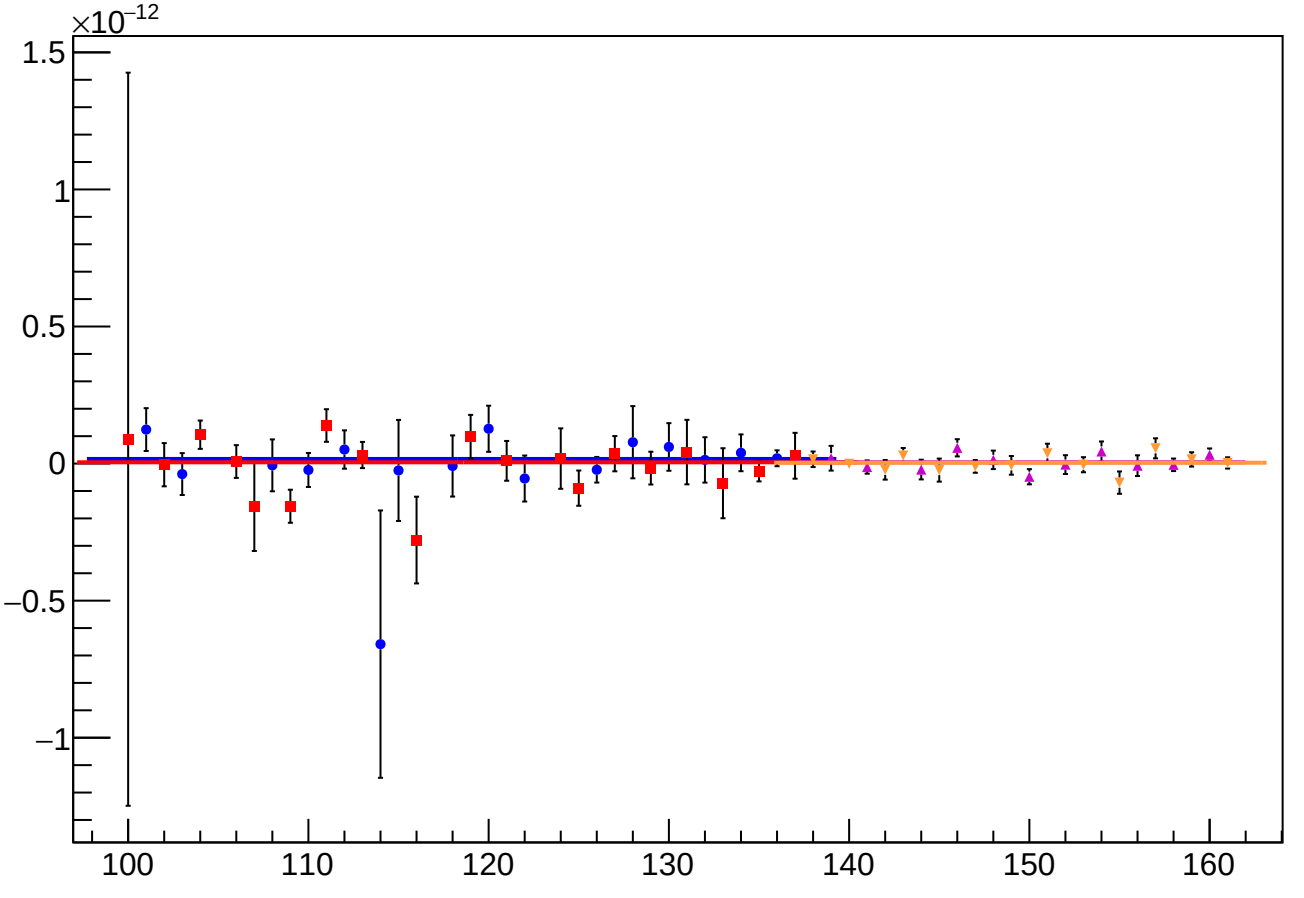
Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2883.175+/-0.503 χ^2/NDF:756355.8/26

Out: 2880.524+/-0.487 χ^2/NDF:213710.4/31

All: 2881.805+/-0.350 χ^2/NDF: 970080.5/58

asym_atr1_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

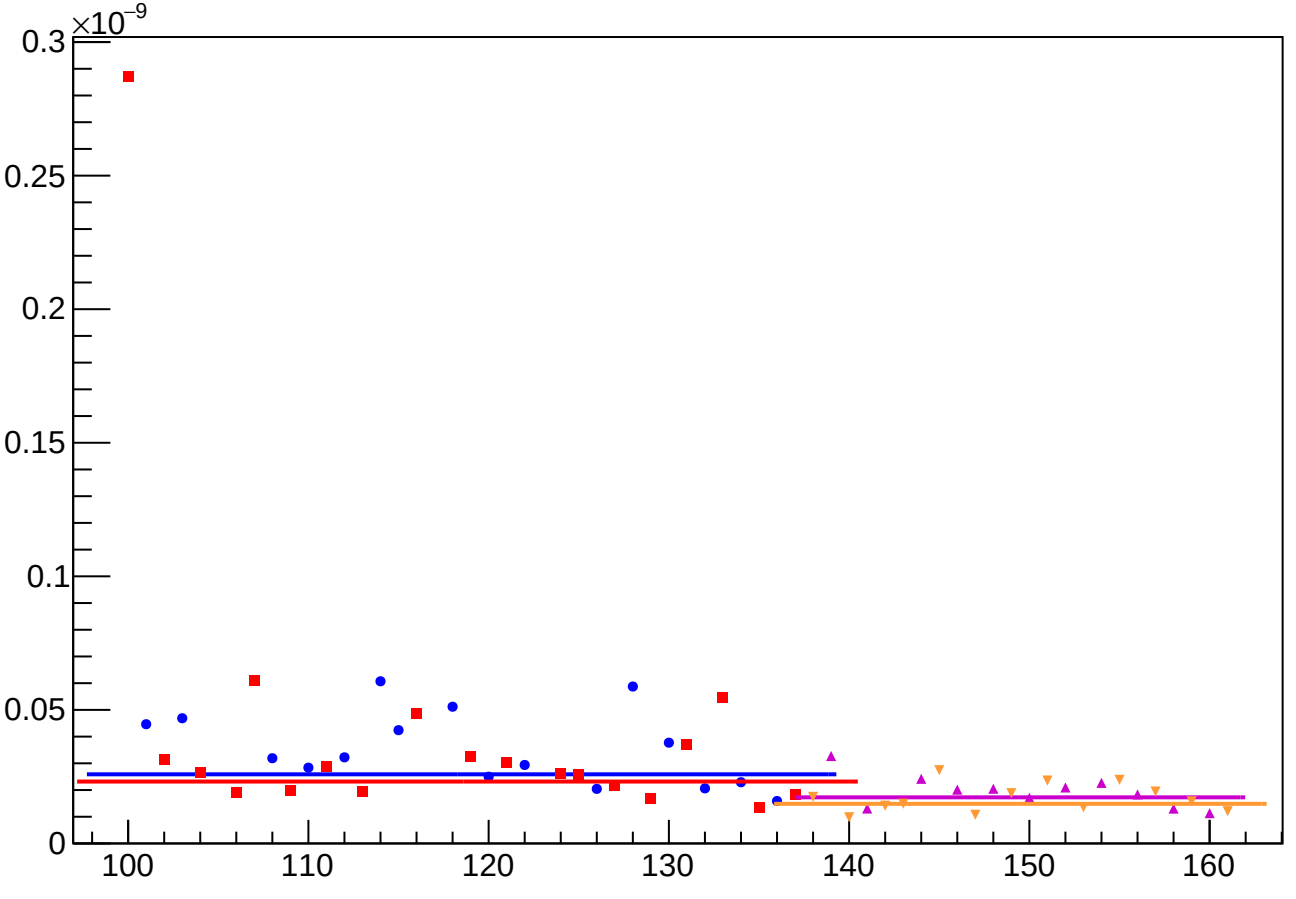
Left: 0.000+/-0.000 χ^2/NDF: 19.6/23

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:19.9/26

Out: 0.000+/-0.000 χ^2/NDF:34.7/31

All: 0.000+/-0.000 χ^2/NDF: 54.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:731258.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:675056.9/10

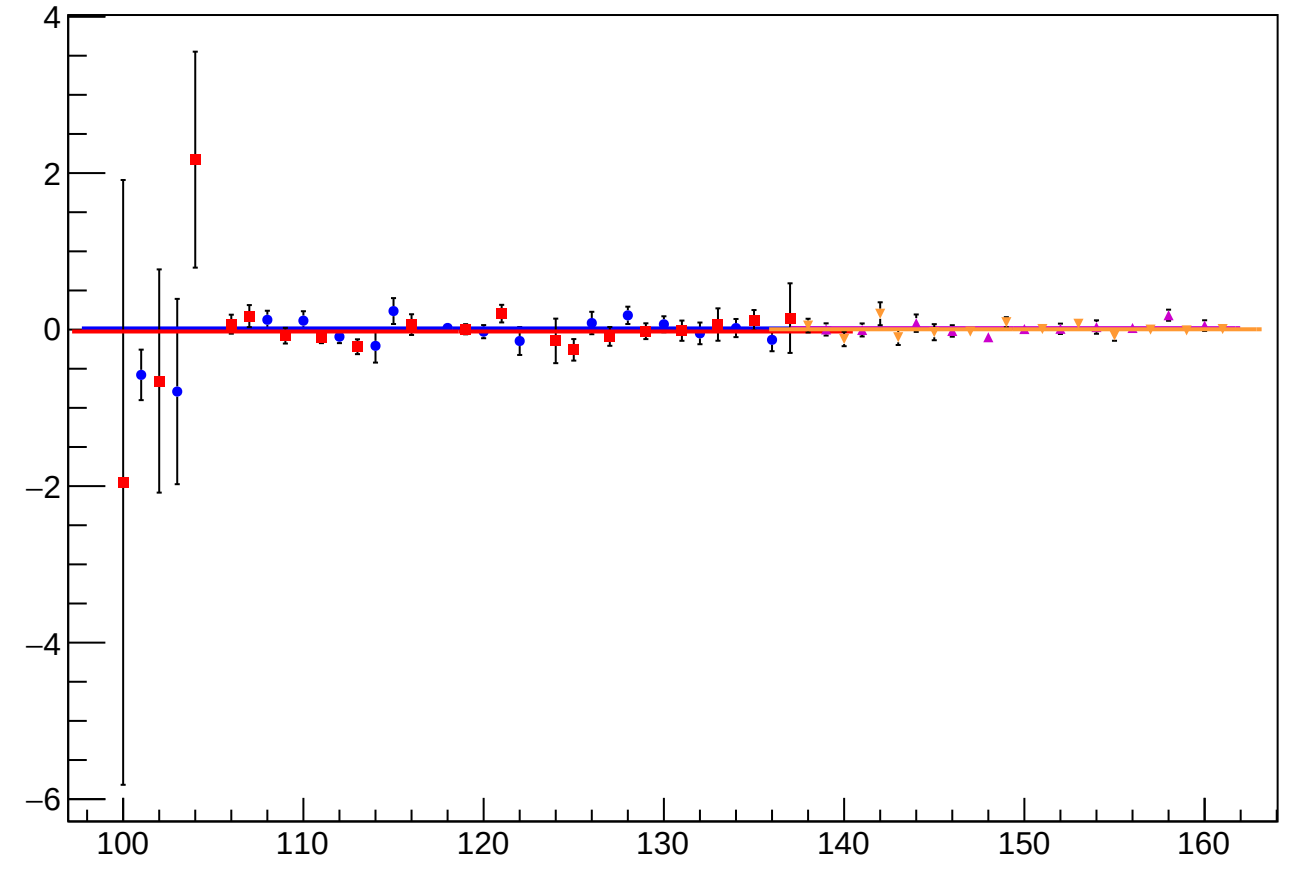
Left: 0.000+/-0.000 χ^2/NDF: 1490446.6/23

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1946388.9/26

Out: 0.000+/-0.000 χ^2/NDF:1875861.0/31

All: 0.000+/-0.000 χ^2/NDF: 3956392.3/58



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.019+/-0.021 χ^2/NDF:9.7/10

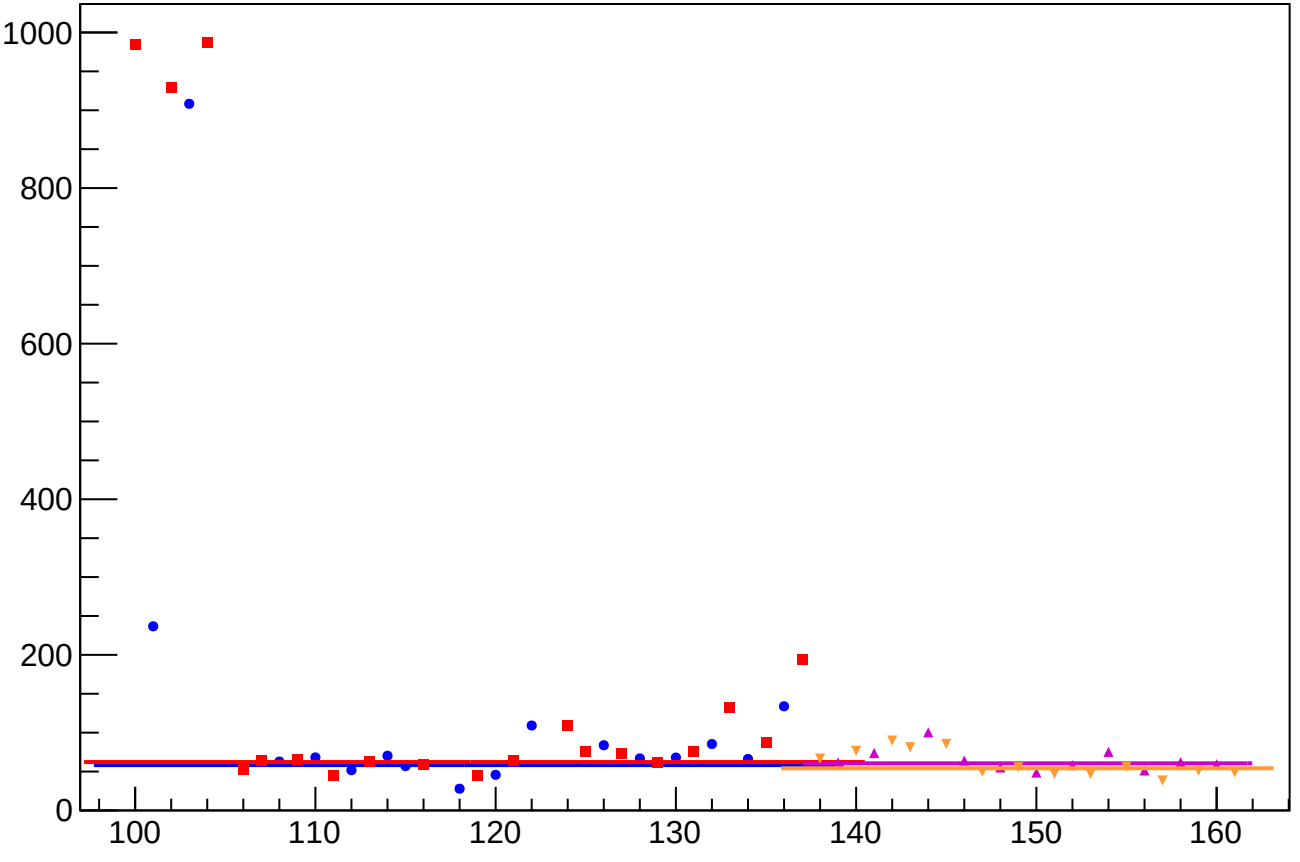
Left: 0.011+/-0.014 χ^2/NDF: 20.3/23

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.005+/-0.016 χ^2/NDF:31.8/31

All: 0.005+/-0.012 χ^2/NDF: 57.5/58



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.208+/-0.014 χ^2/NDF:849525.4/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

Left: 57.065+/-0.010 χ^2/NDF: 1469901.1/23

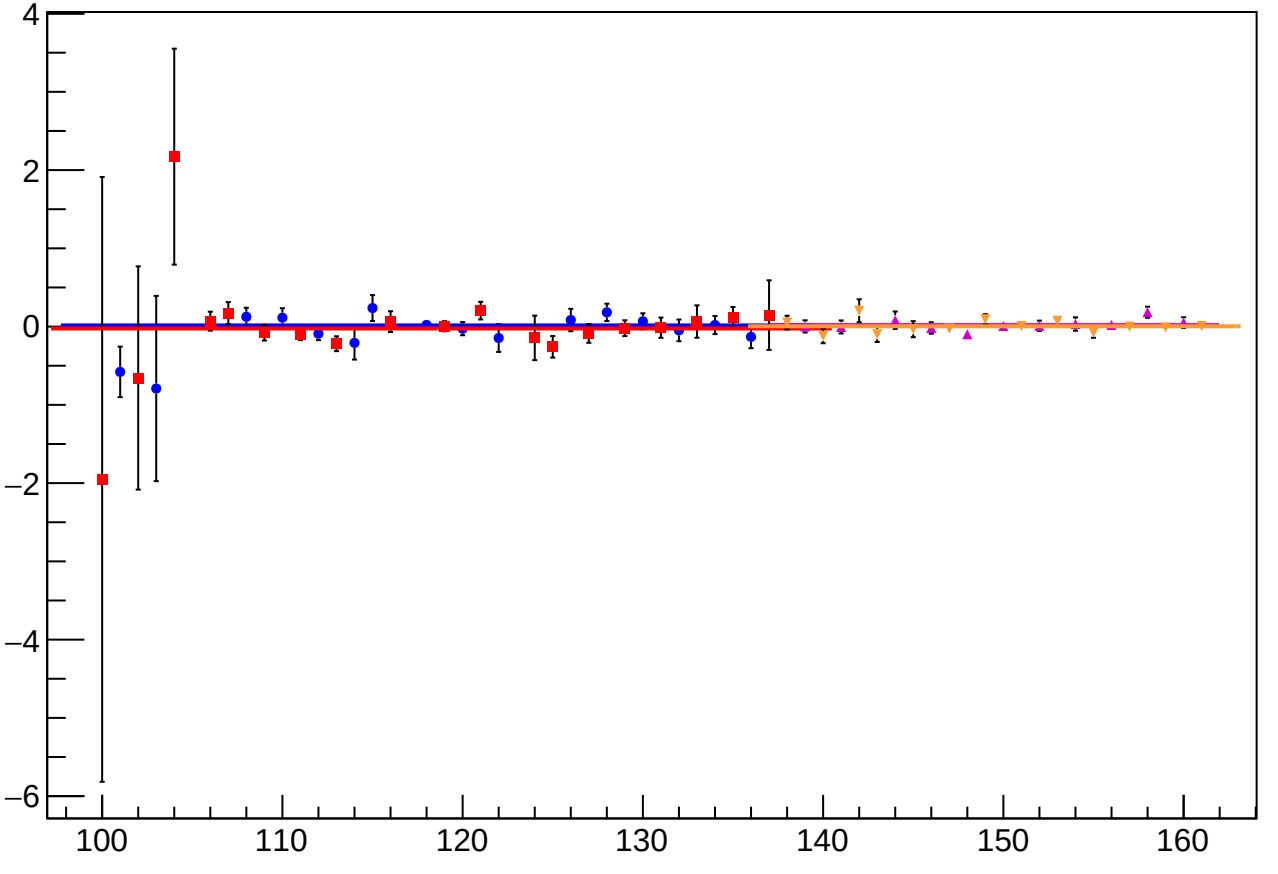
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.732+/-0.012 χ^2/NDF:3791570.4/26

Out: 56.792+/-0.011 χ^2/NDF:3587793.0/31

All: 58.168+/-0.008 χ^2/NDF: 7411345.9/58

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.019+/-0.021 χ^2/NDF:9.7/10

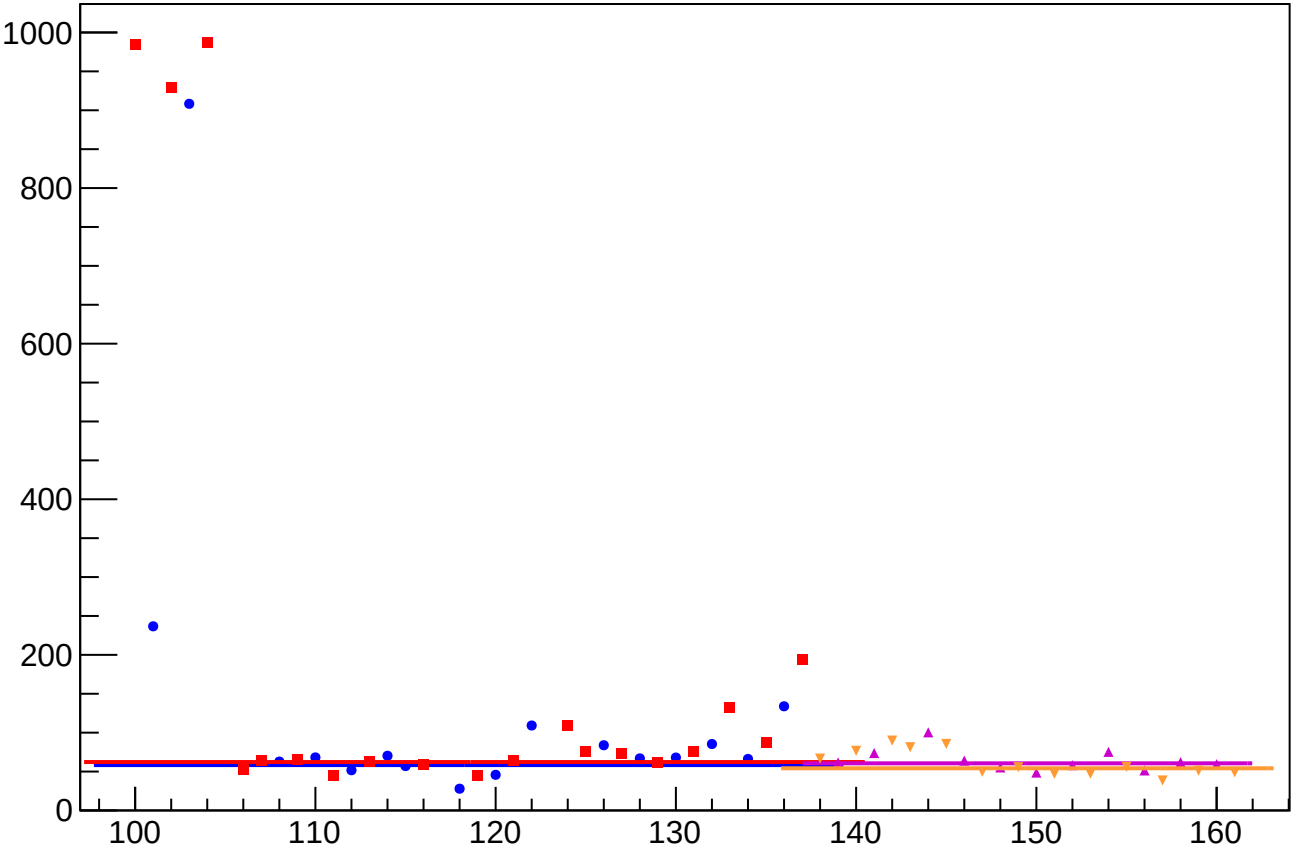
Left: 0.011+/-0.014 χ^2/NDF: 20.3/23

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.005+/-0.016 χ^2/NDF:31.8/31

All: 0.005+/-0.012 χ^2/NDF: 57.5/58



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.208+/-0.014 χ^2/NDF:849525.4/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

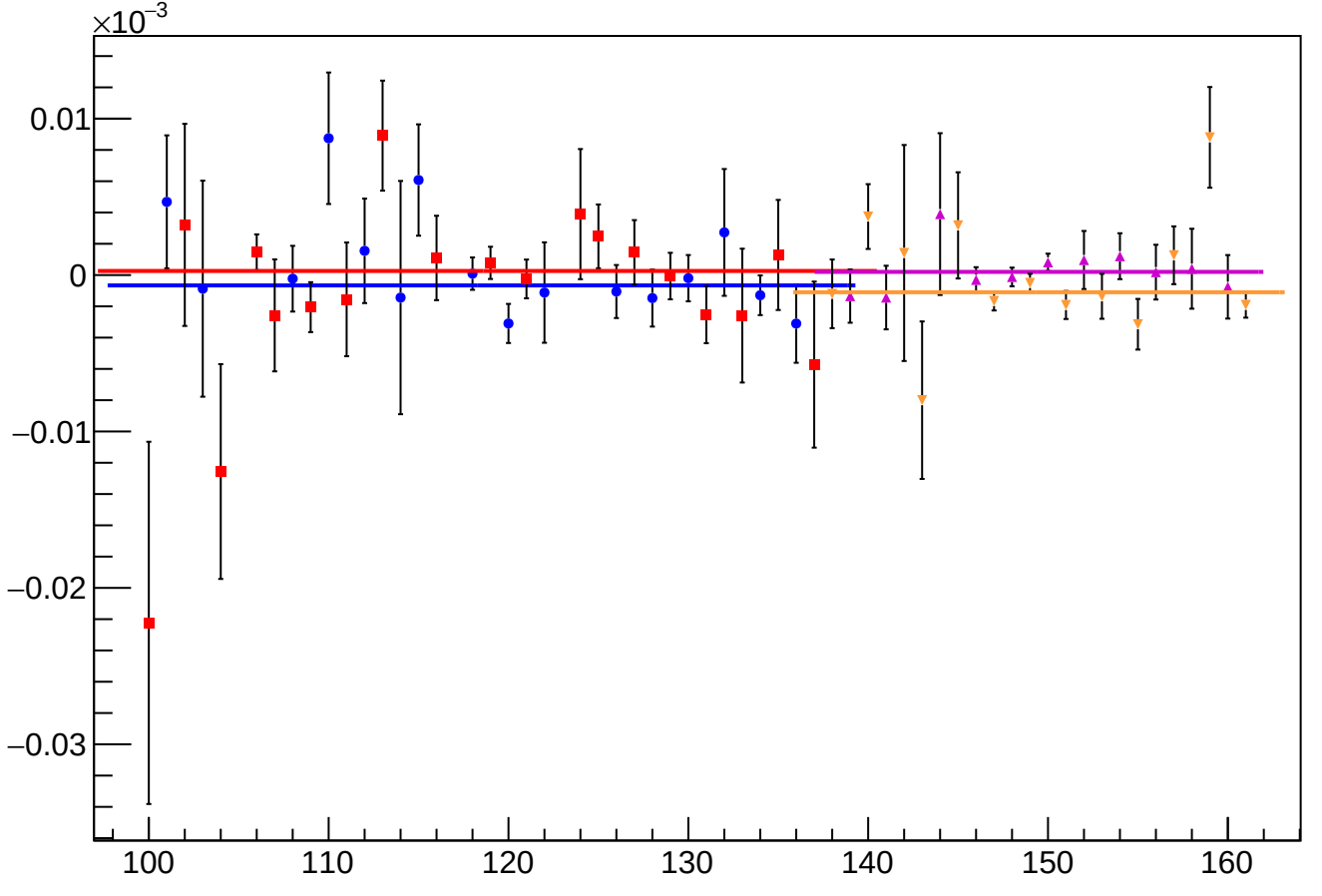
Left: 57.065+/-0.010 χ^2/NDF: 1469901.1/23

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.732+/-0.012 χ^2/NDF:3791570.4/26

Out: 56.792+/-0.011 χ^2/NDF:3587793.0/31

All: 58.168+/-0.008 χ^2/NDF: 7411345.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/10

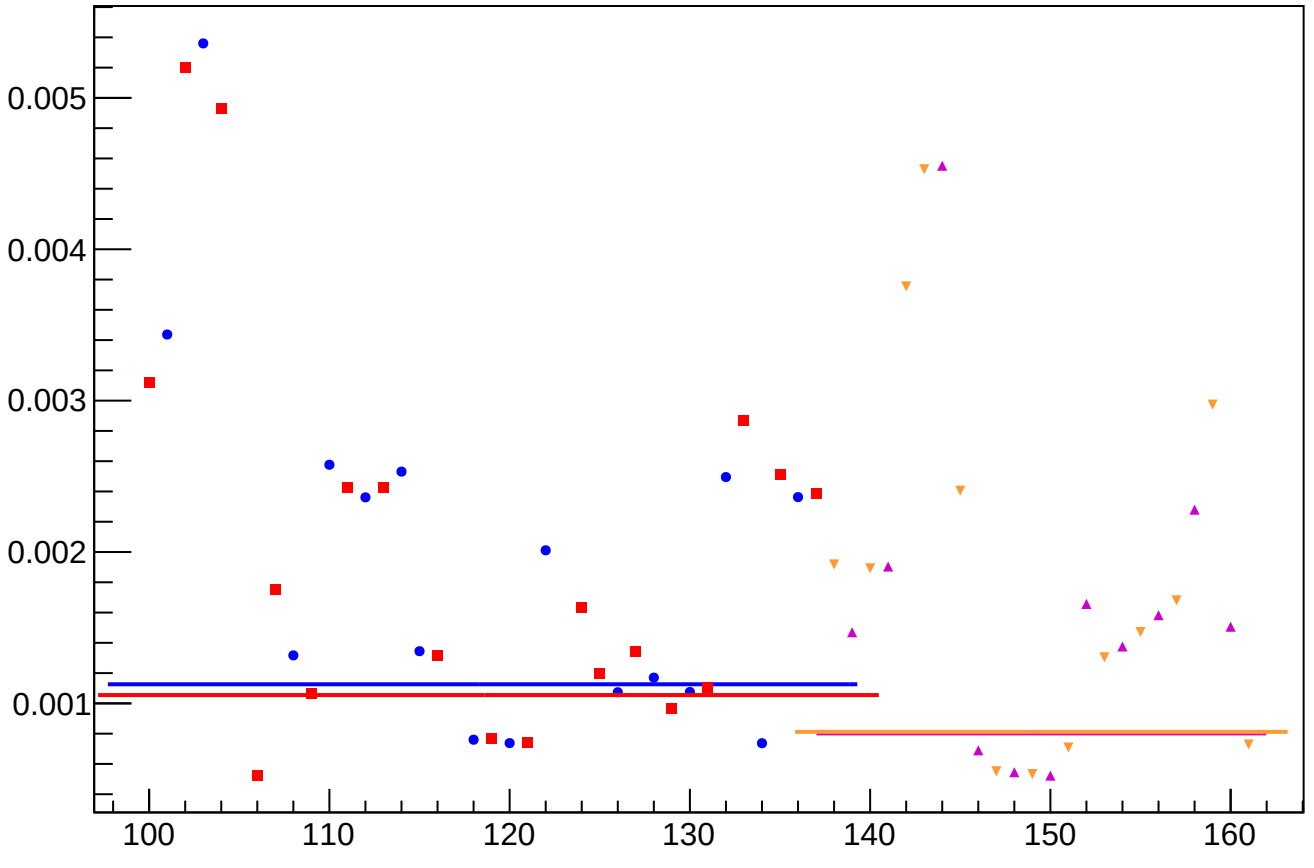
Left: -0.000+/-0.000 χ^2/NDF: 38.7/23

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.2/26

Out: -0.000+/-0.000 χ^2/NDF:55.9/31

All: -0.000+/-0.000 χ^2/NDF: 82.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5728946.6/12

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:4905324.6/10

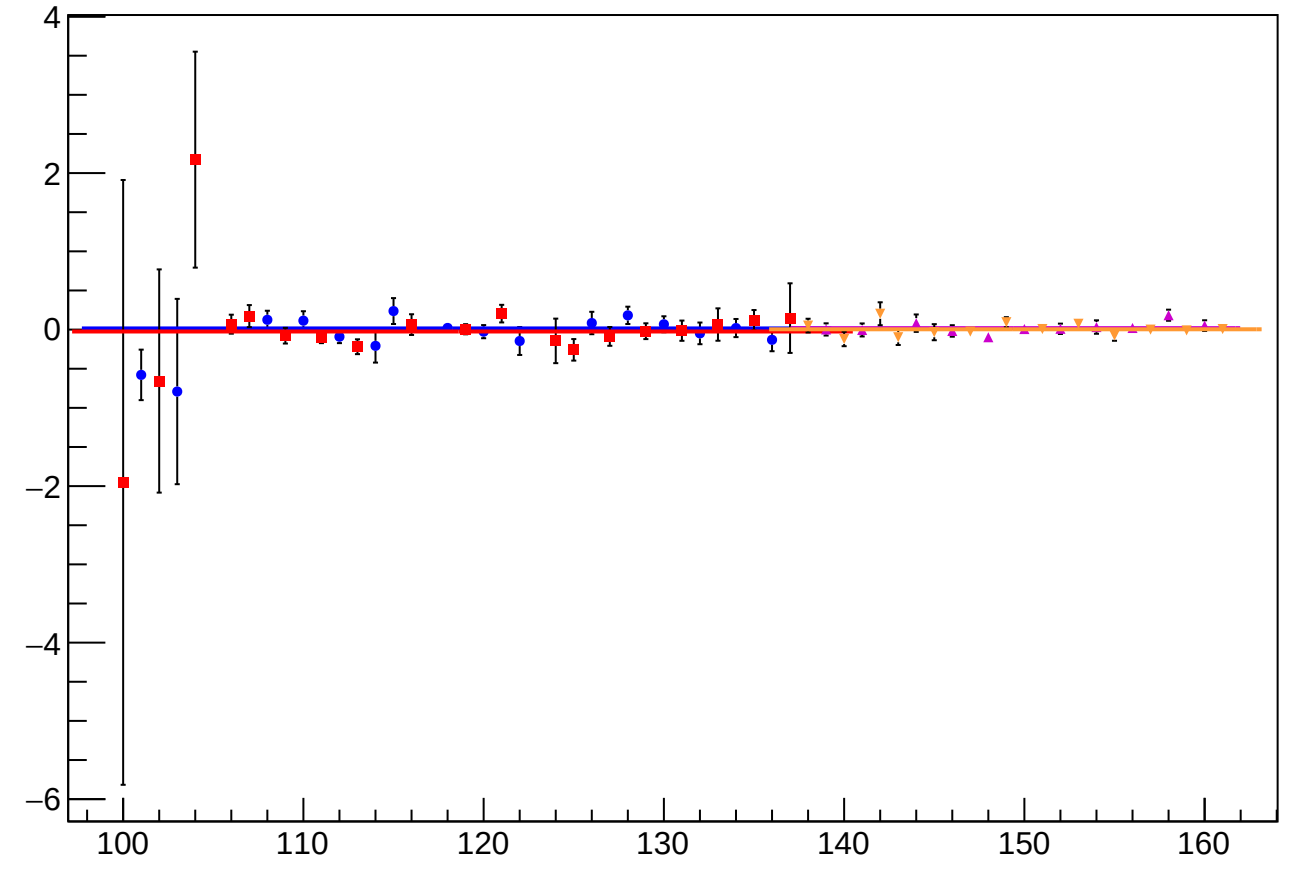
Left: 0.001+/-0.000 χ^2/NDF: 10635341.3/23

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:8972770.3/26

Out: 0.001+/-0.000 χ^2/NDF:9954069.7/31

All: 0.001+/-0.000 χ^2/NDF: 18928685.0/58



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.019+/-0.021 χ^2/NDF:9.7/10

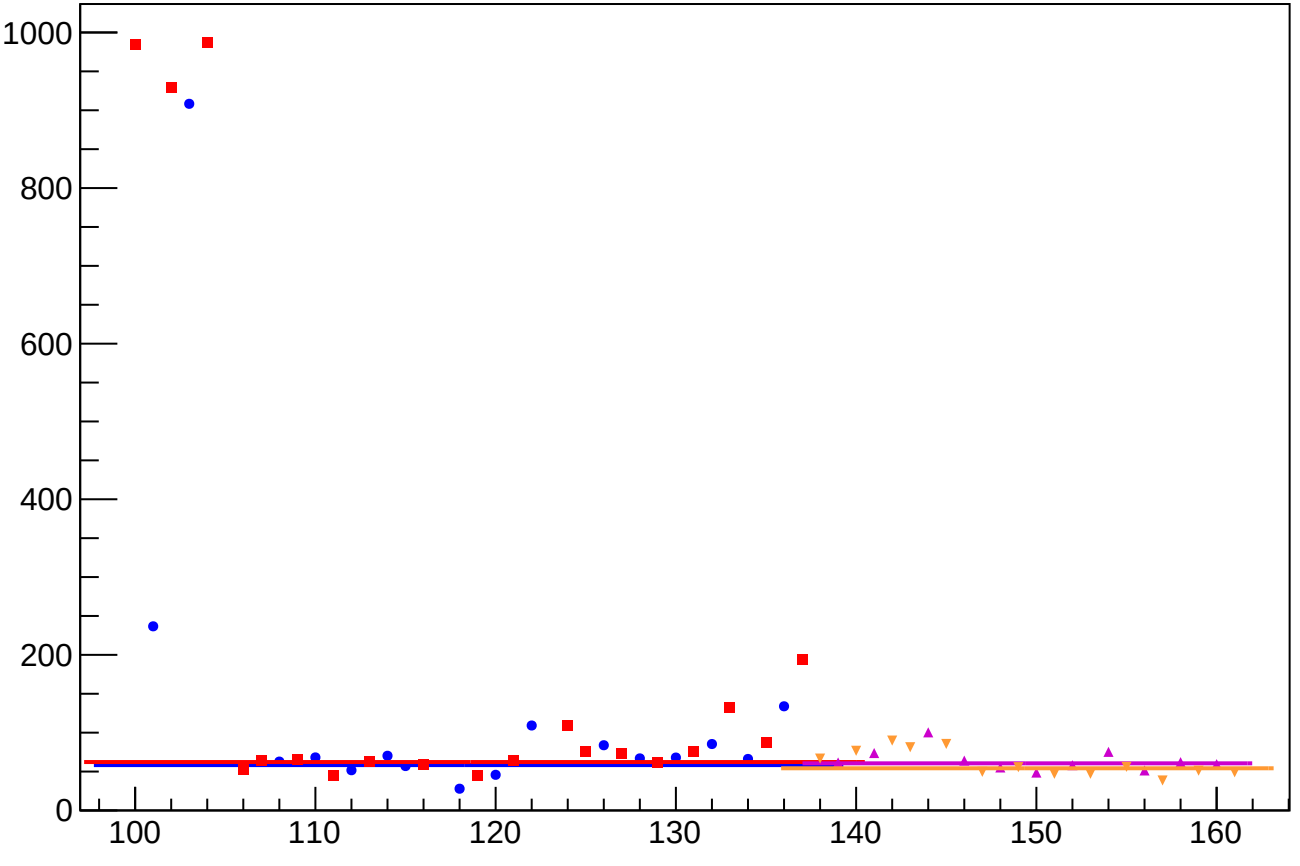
Left: 0.011+/-0.014 χ^2/NDF: 20.3/23

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.005+/-0.016 χ^2/NDF:31.8/31

All: 0.005+/-0.012 χ^2/NDF: 57.5/58



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.208+/-0.014 χ^2/NDF:849579.2/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

Left: 57.065+/-0.010 χ^2/NDF: 1470000.0/23

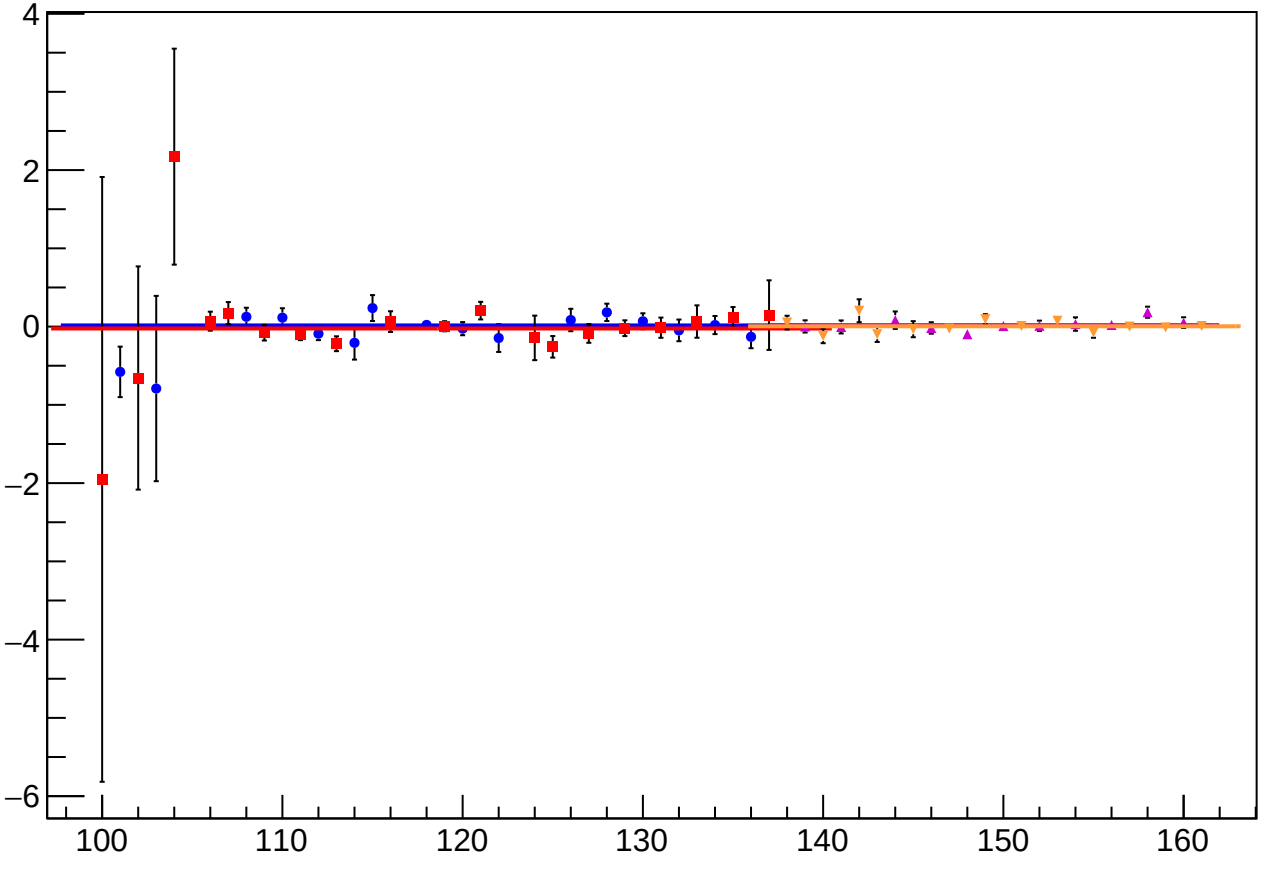
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.732+/-0.012 χ^2/NDF:3791676.4/26

Out: 56.791+/-0.011 χ^2/NDF:3587856.8/31

All: 58.167+/-0.008 χ^2/NDF: 7411522.6/58

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.019+/-0.021 χ^2/NDF:9.7/10

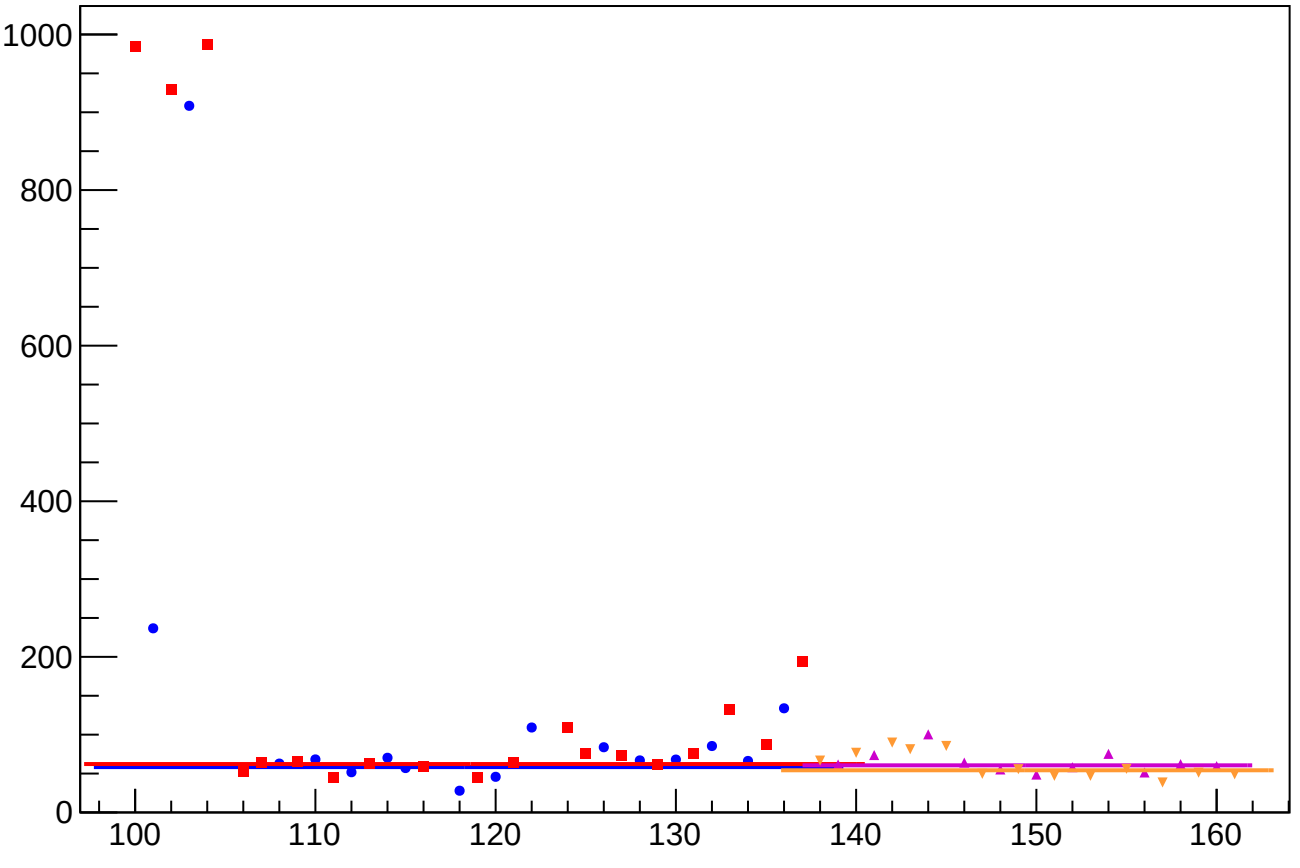
Left: 0.011+/-0.014 χ^2/NDF: 20.3/23

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.017 χ^2/NDF:24.8/26

Out: -0.005+/-0.016 χ^2/NDF:31.8/31

All: 0.005+/-0.012 χ^2/NDF: 57.5/58



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.208+/-0.014 χ^2/NDF:849579.2/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

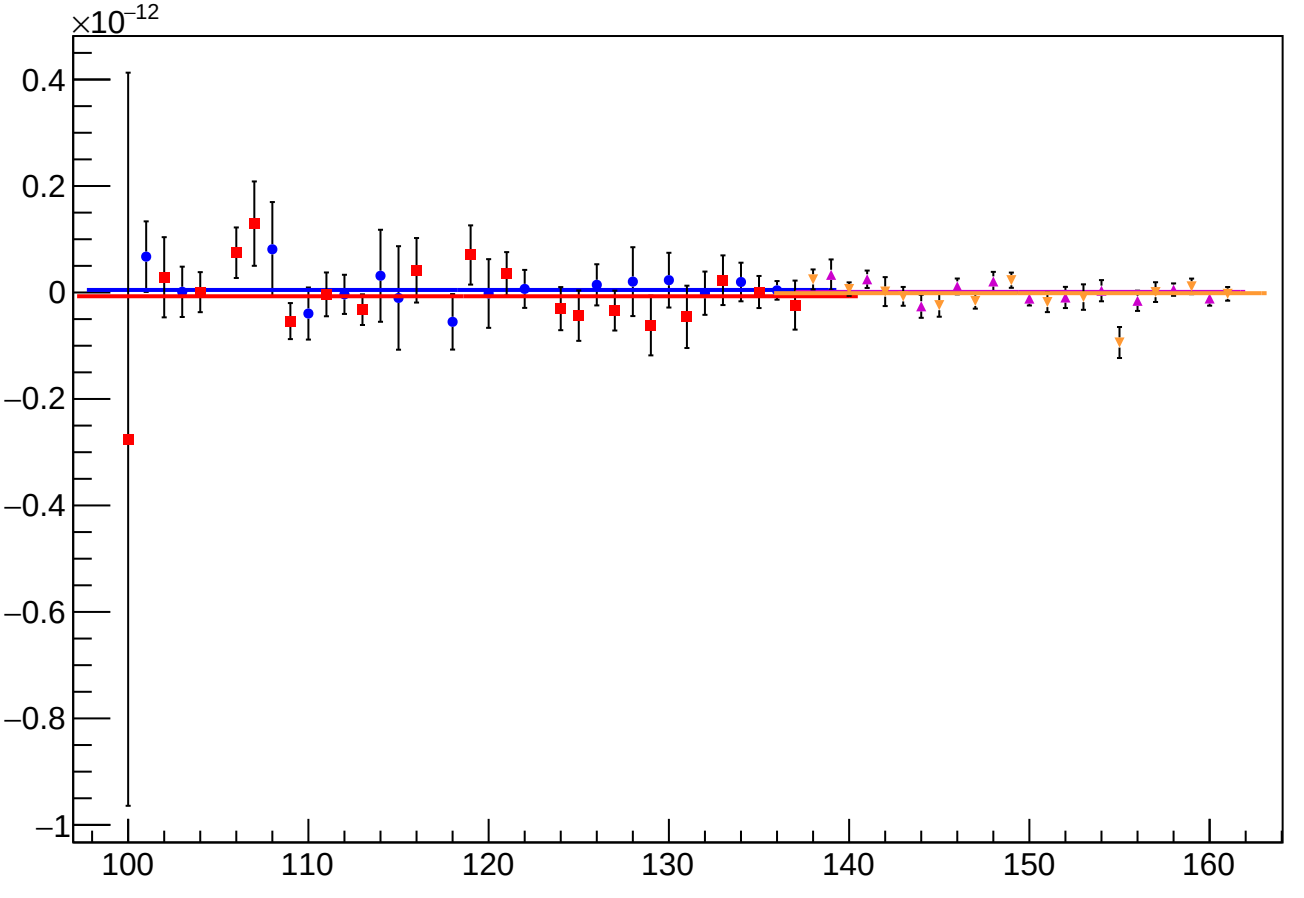
Left: 57.065+/-0.010 χ^2/NDF: 1470000.0/23

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.732+/-0.012 χ^2/NDF:3791676.4/26

Out: 56.791+/-0.011 χ^2/NDF:3587856.8/31

All: 58.167+/-0.008 χ^2/NDF: 7411522.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/10

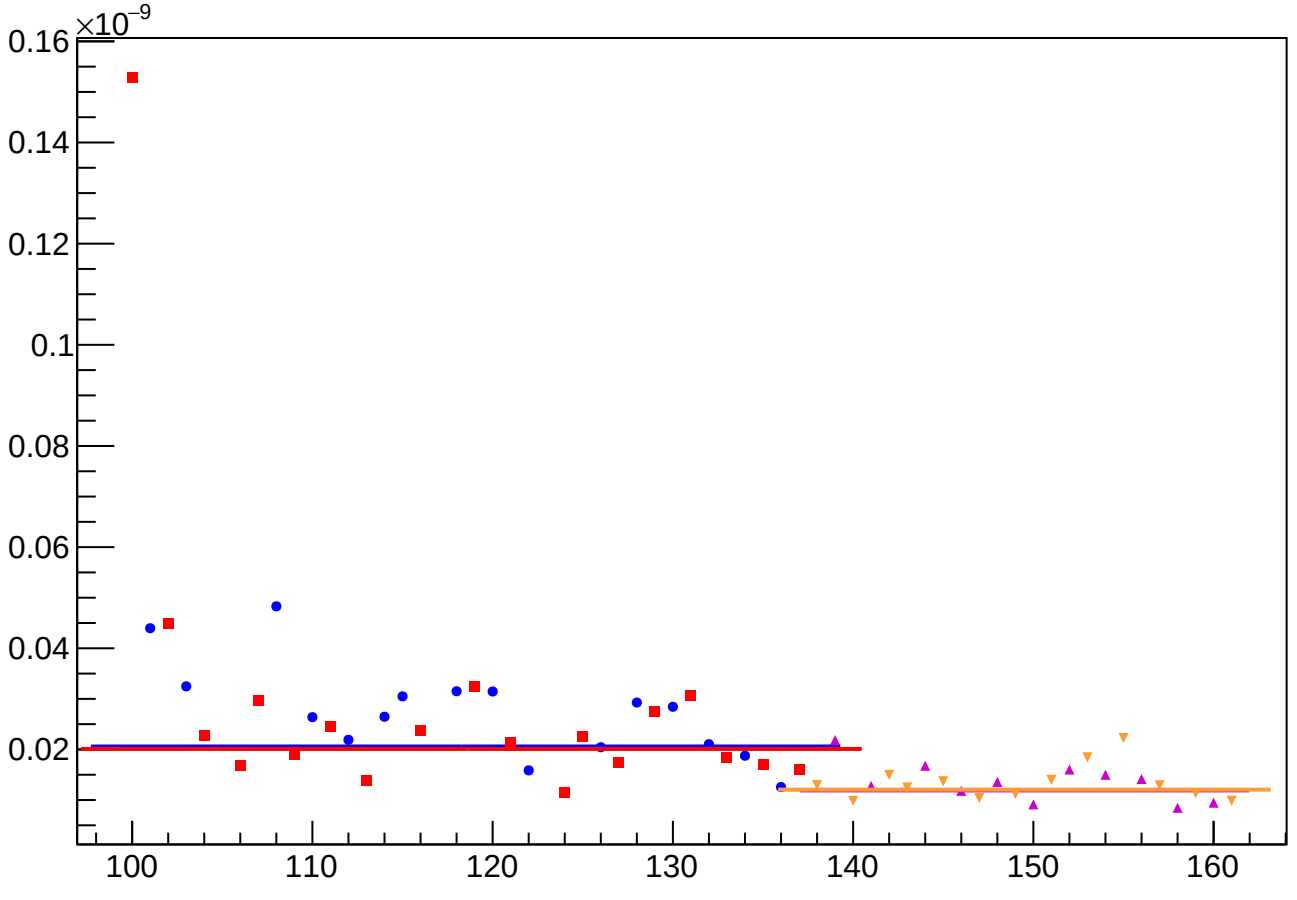
Left: -0.000+/-0.000 χ^2/NDF: 28.8/23

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:14.1/26

Out: -0.000+/-0.000 χ^2/NDF:35.6/31

All: -0.000+/-0.000 χ^2/NDF: 50.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:610835.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:853453.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1465257.2/23

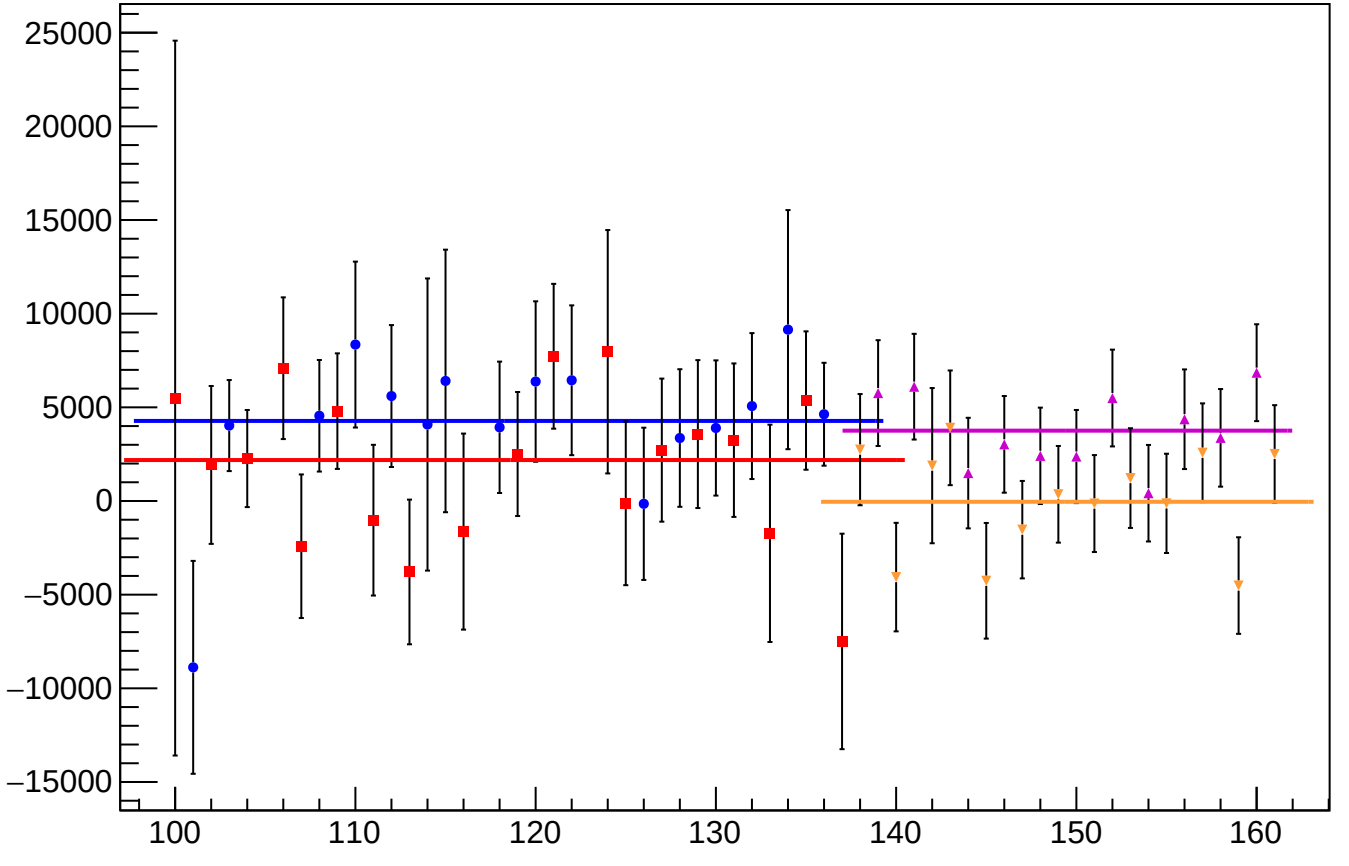
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3337592.7/26

Out: 0.000+/-0.000 χ^2/NDF:2461331.5/31

All: 0.000+/-0.000 χ^2/NDF: 5798983.1/58

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -41.910+/-772.560 χ^2/NDF:12.1/12

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3755.199+/-798.743 χ^2/NDF:6.1/10

Left: 1793.390+/-555.308 χ^2/NDF: 29.9/23

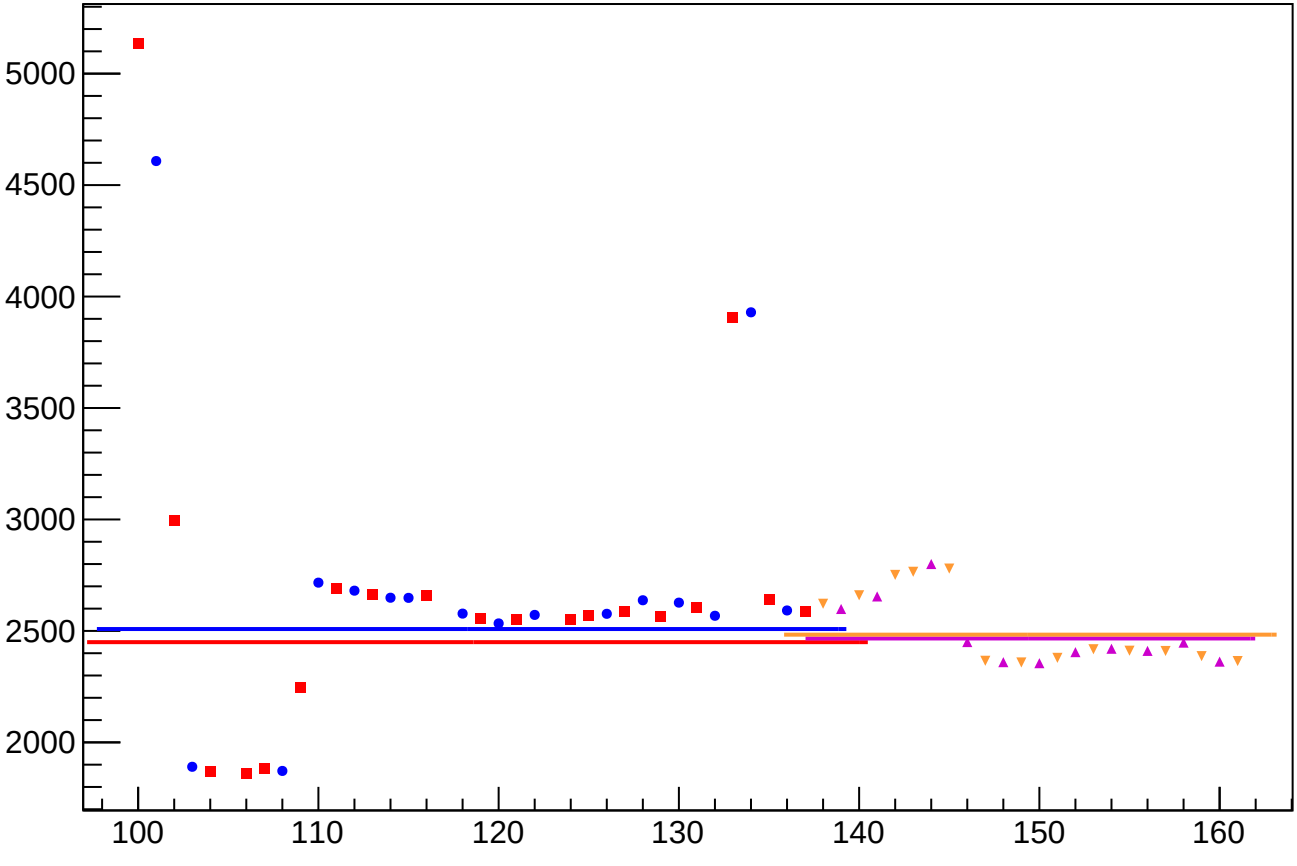
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3969.704+/-611.886 χ^2/NDF:15.1/26

Out: 877.073+/-592.187 χ^2/NDF:30.3/31

All: 2372.806+/-425.533 χ^2/NDF: 58.7/58

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2466.120+/-0.565 χ^2/NDF:52367.4/10

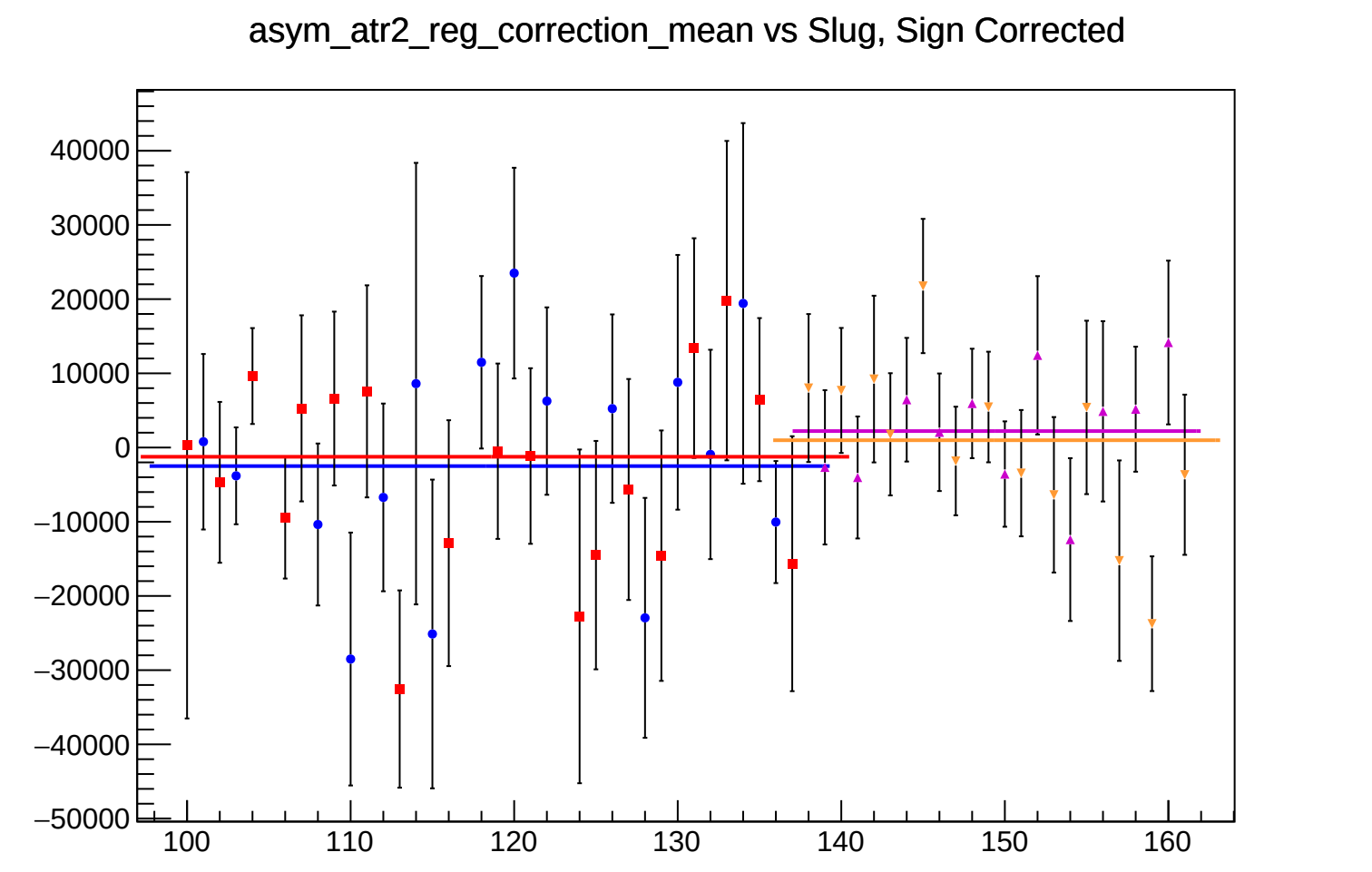
Left: 2474.967+/-0.393 χ^2/NDF: 131564.8/23

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2483.616+/-0.433 χ^2/NDF:666279.5/26

Out: 2469.377+/-0.419 χ^2/NDF:517185.8/31

All: 2476.263+/-0.301 χ^2/NDF: 1184024.5/58



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 983.971+/-2563.526 χ^2/NDF:17.4/12

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2217.719+/-2684.274 χ^2/NDF:6.0/10

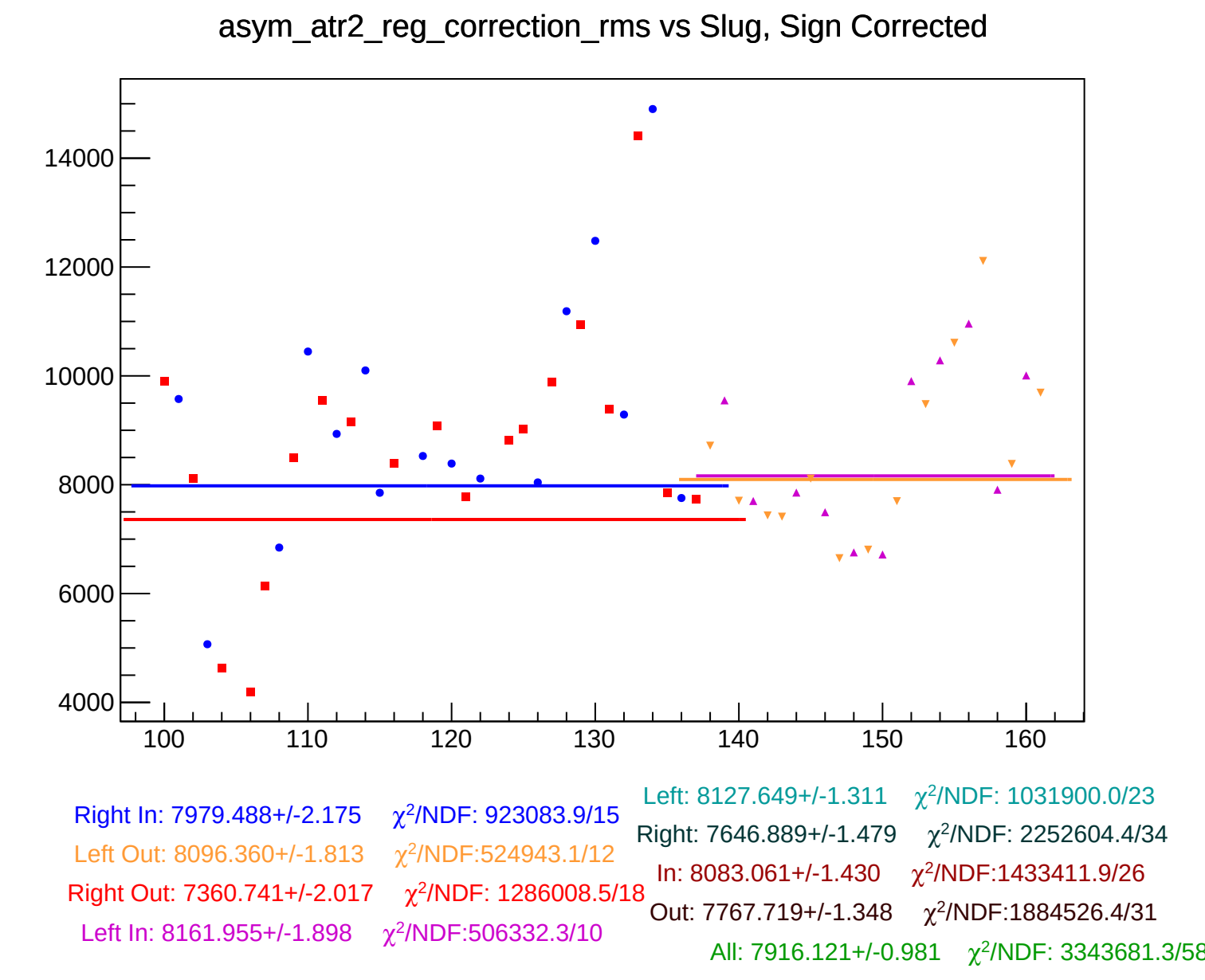
Left: 1572.473+/-1853.905 χ^2/NDF: 23.5/23

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

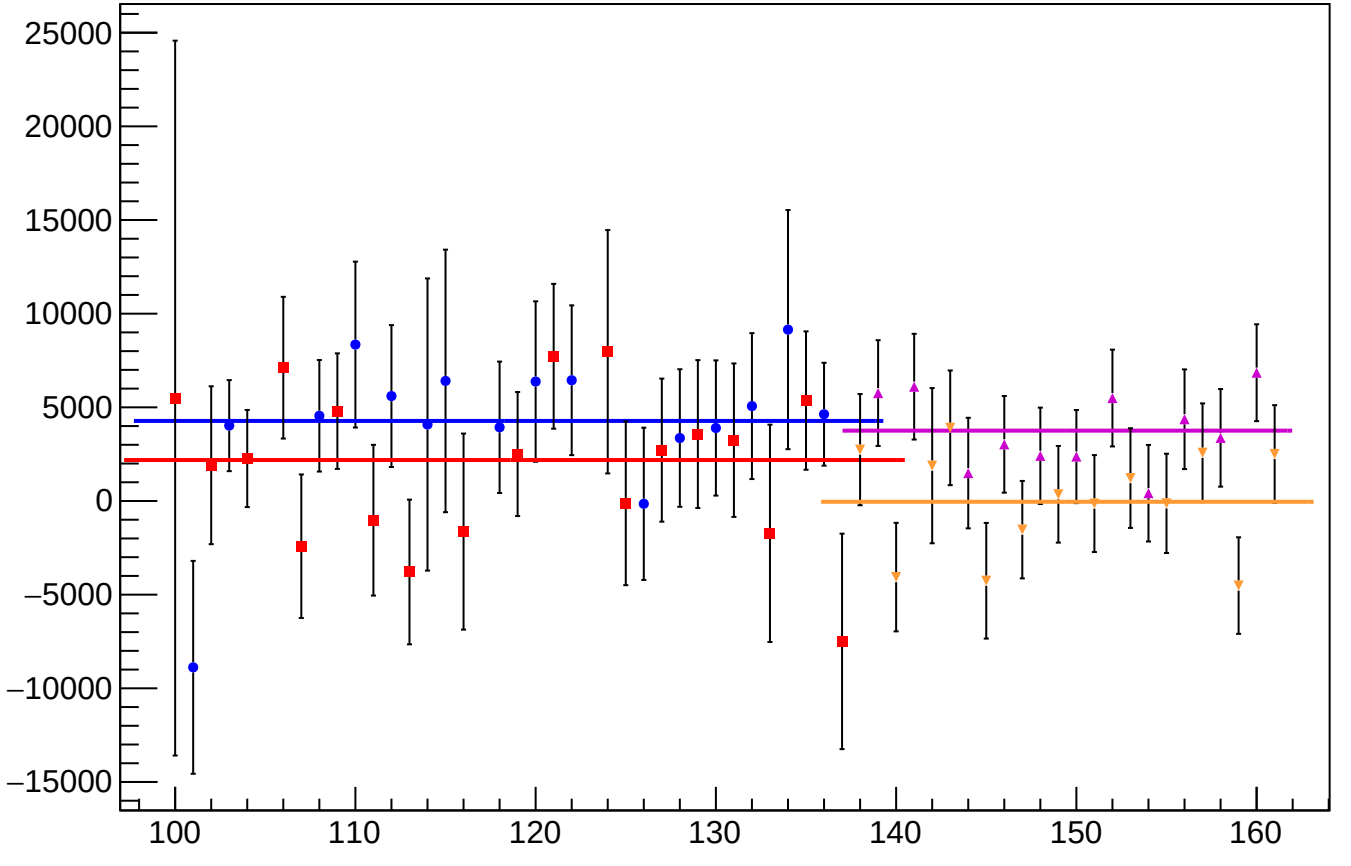
In: 177.633+/-2022.355 χ^2/NDF:21.1/26

Out: -11.543+/-1906.763 χ^2/NDF:34.3/31

All: 77.485+/-1387.350 χ^2/NDF: 55.5/58


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8096.360+/-1.813 χ²/NDF:524943.1/12
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506332.3/10
Left: 8127.649+/-1.311 χ²/NDF: 1031900.0/23
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8083.061+/-1.430 χ²/NDF:1433411.9/26
Out: 7767.719+/-1.348 χ²/NDF:1884526.4/31
All: 7916.121+/-0.981 χ²/NDF: 3343681.3/58

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -42.160+/-772.560 χ^2/NDF:12.1/12

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3755.262+/-798.743 χ^2/NDF:6.1/10

Left: 1793.291+/-555.308 χ^2/NDF: 29.9/23

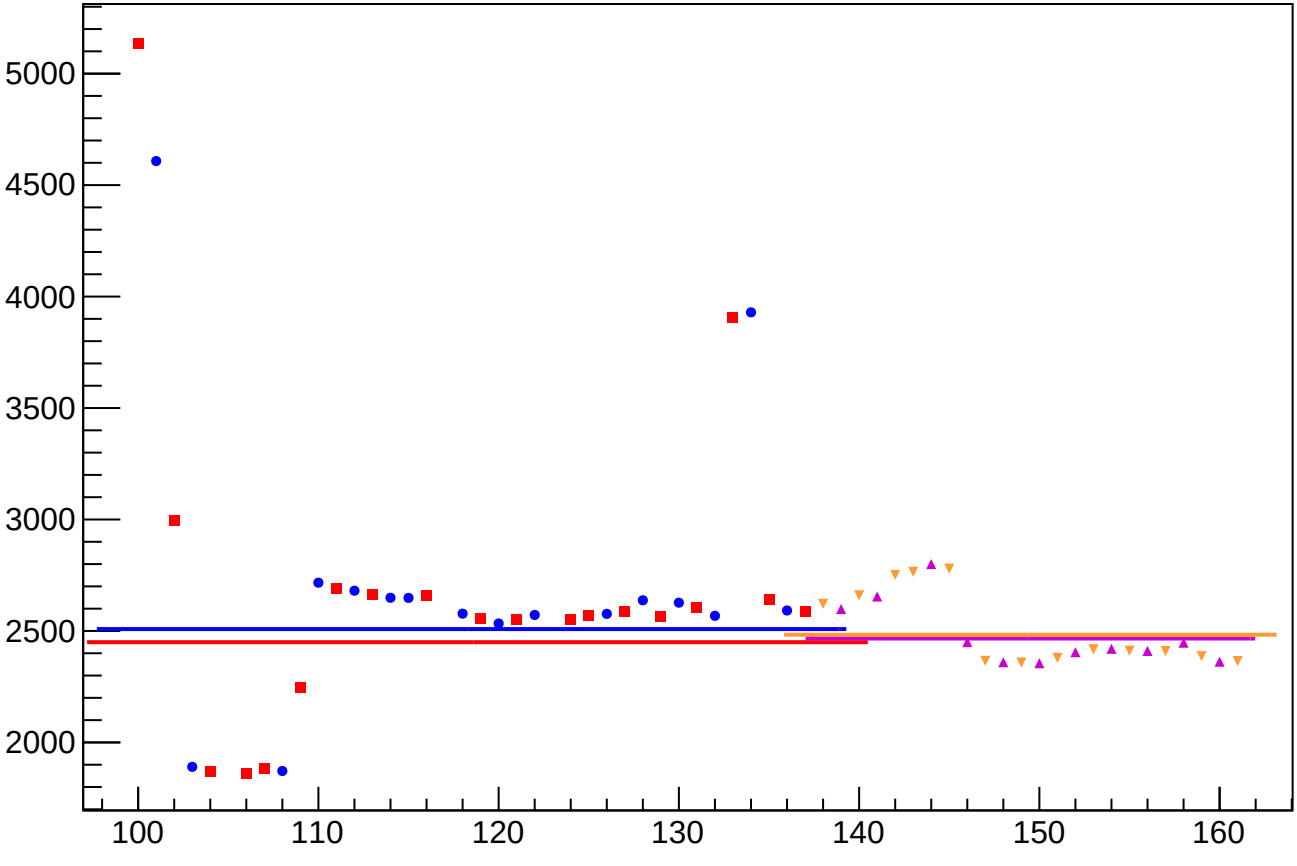
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3969.539+/-611.886 χ^2/NDF:15.1/26

Out: 877.175+/-592.189 χ^2/NDF:30.3/31

All: 2372.783+/-425.534 χ^2/NDF: 58.7/58

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

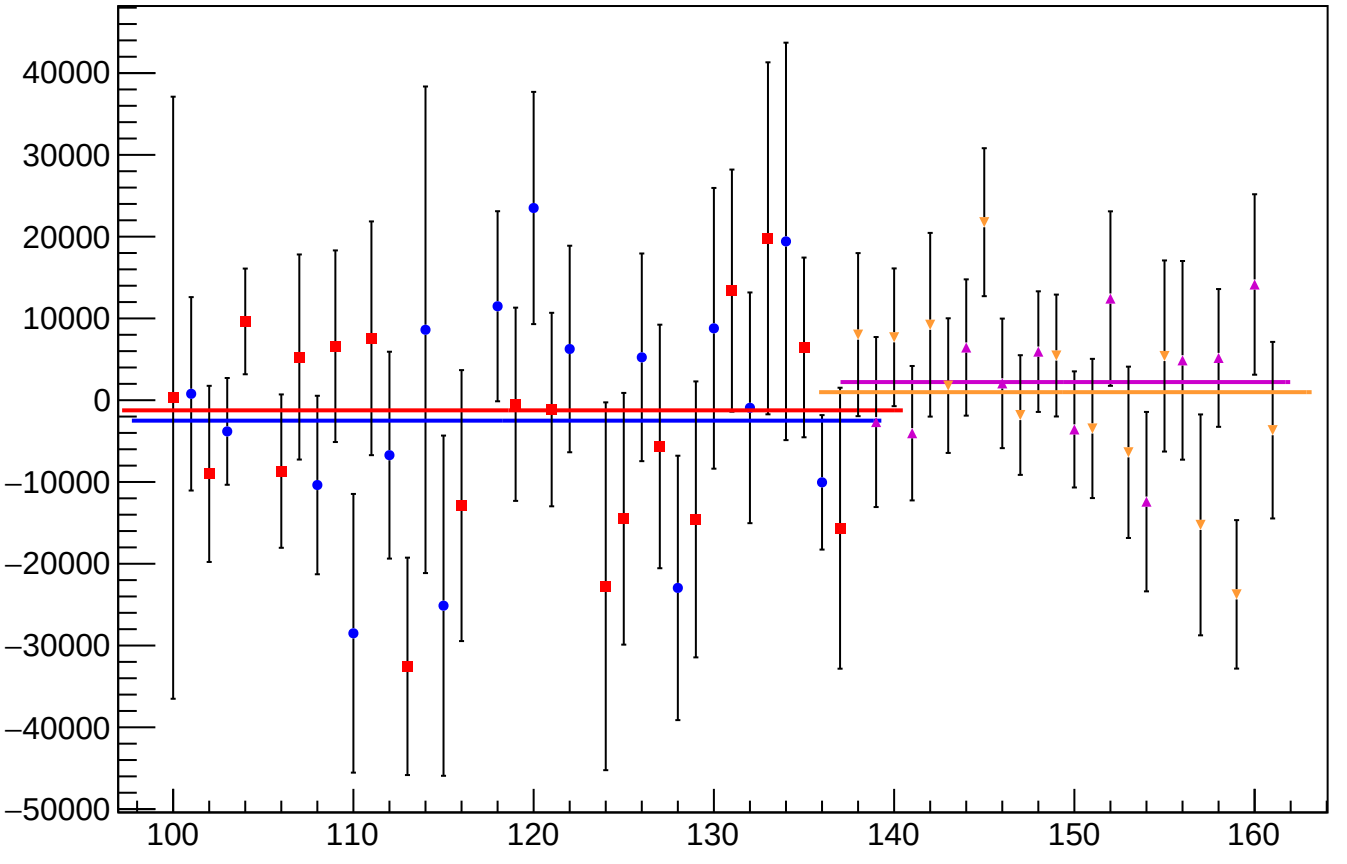
Left: 2474.967+/-0.393 χ^2/NDF: 131564.8/23

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2483.616+/-0.433 χ^2/NDF:666277.4/26

Out: 2469.387+/-0.419 χ^2/NDF:517129.2/31

All: 2476.269+/-0.301 χ^2/NDF: 1183965.0/58



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 983.912+/-2563.522 χ^2/NDF:17.4/12

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2217.859+/-2684.274 χ^2/NDF:6.0/10

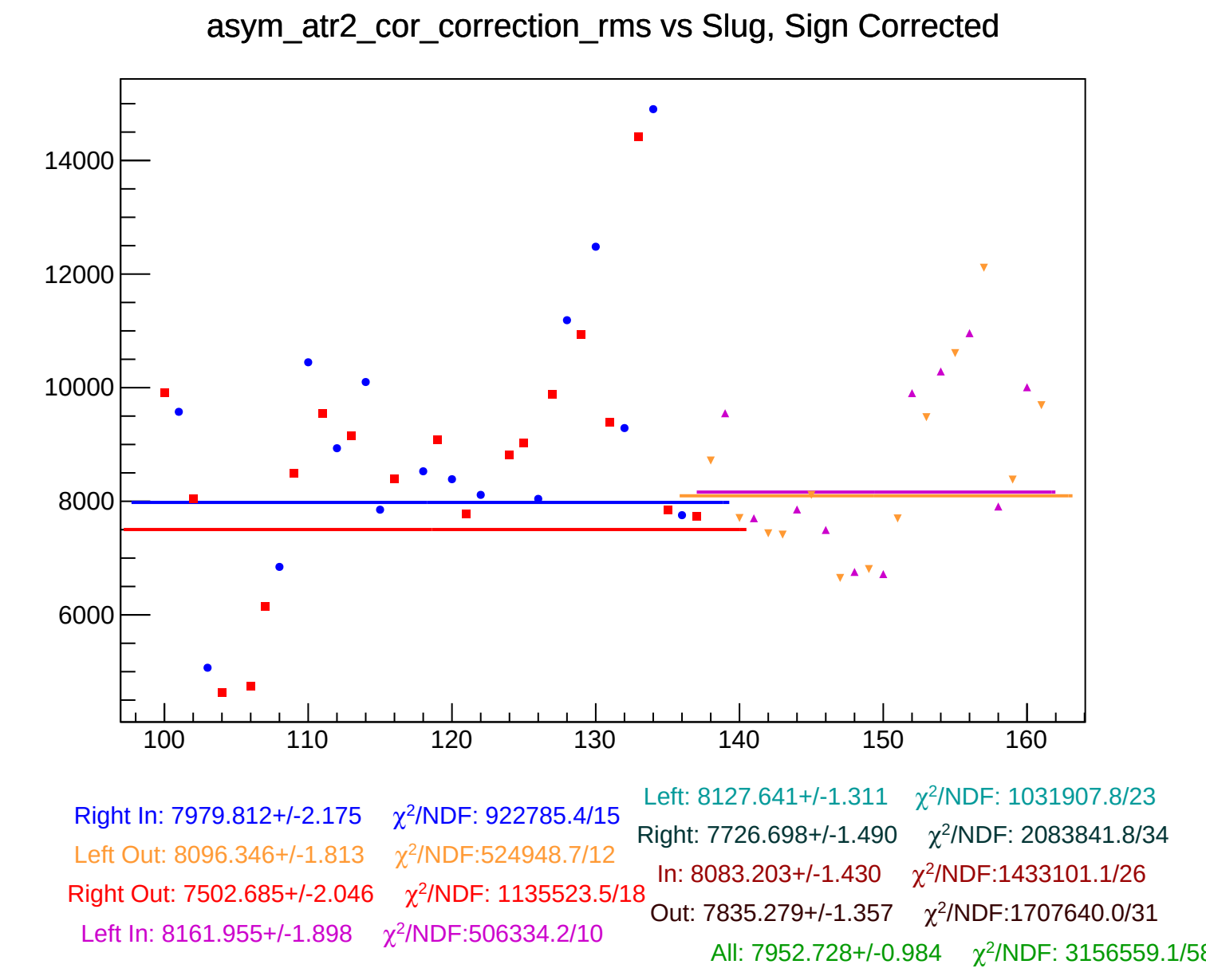
Left: 1572.507+/-1853.903 χ^2/NDF: 23.5/23

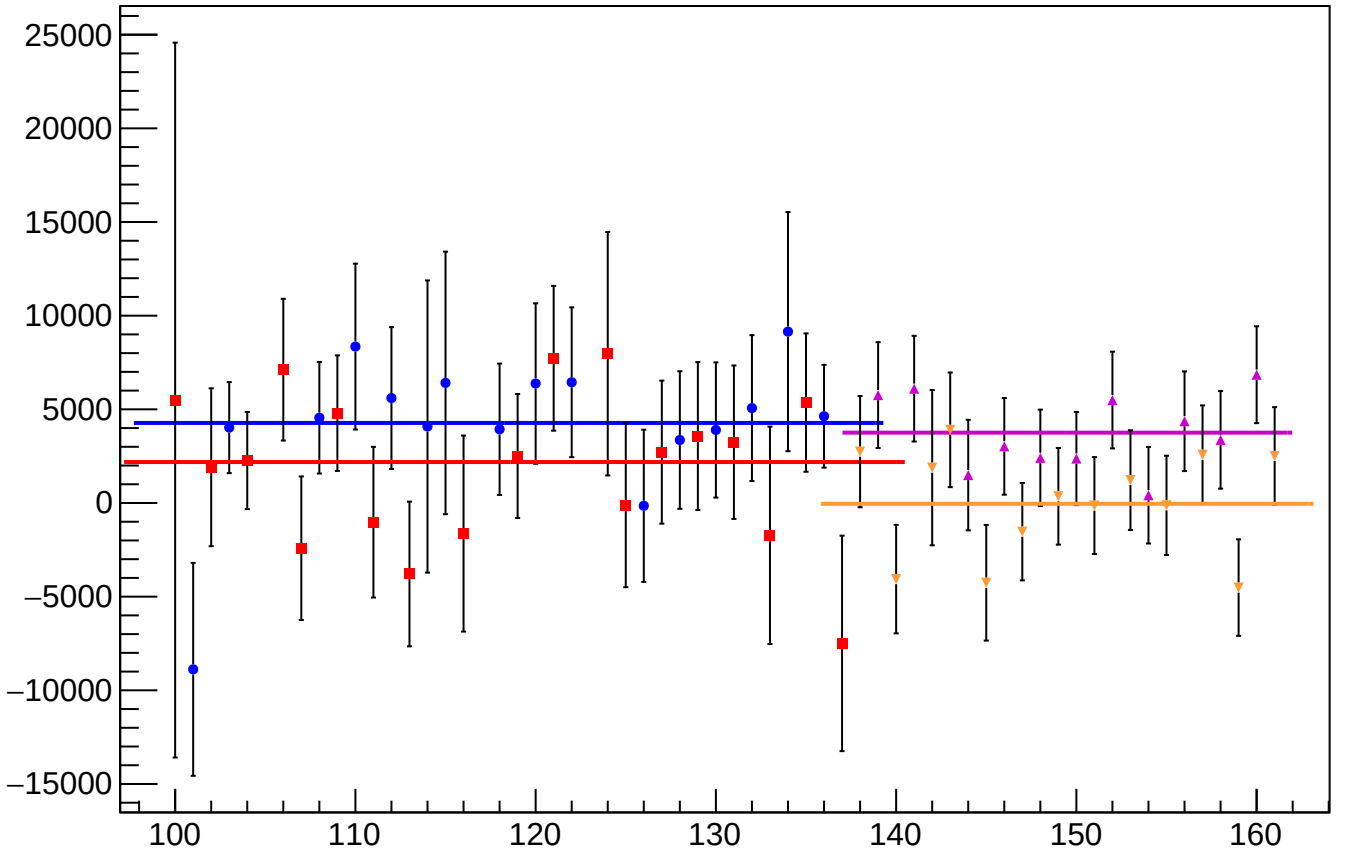
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 177.875+/-2022.380 χ^2/NDF:21.1/26

Out: 5.975+/-1918.779 χ^2/NDF:34.4/31

All: 87.409+/-1391.967 χ^2/NDF: 55.5/58


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8096.346+/-1.813 χ²/NDF:524948.7/12
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506334.2/10
Left: 8127.641+/-1.311 χ²/NDF: 1031907.8/23
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8083.203+/-1.430 χ²/NDF:1433101.1/26
Out: 7835.279+/-1.357 χ²/NDF:1707640.0/31
All: 7952.728+/-0.984 χ²/NDF: 3156559.1/58



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -42.160+/-772.560 χ^2/NDF:12.1/12

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3755.262+/-798.743 χ^2/NDF:6.1/10

Left: 1793.291+/-555.308 χ^2/NDF: 29.9/23

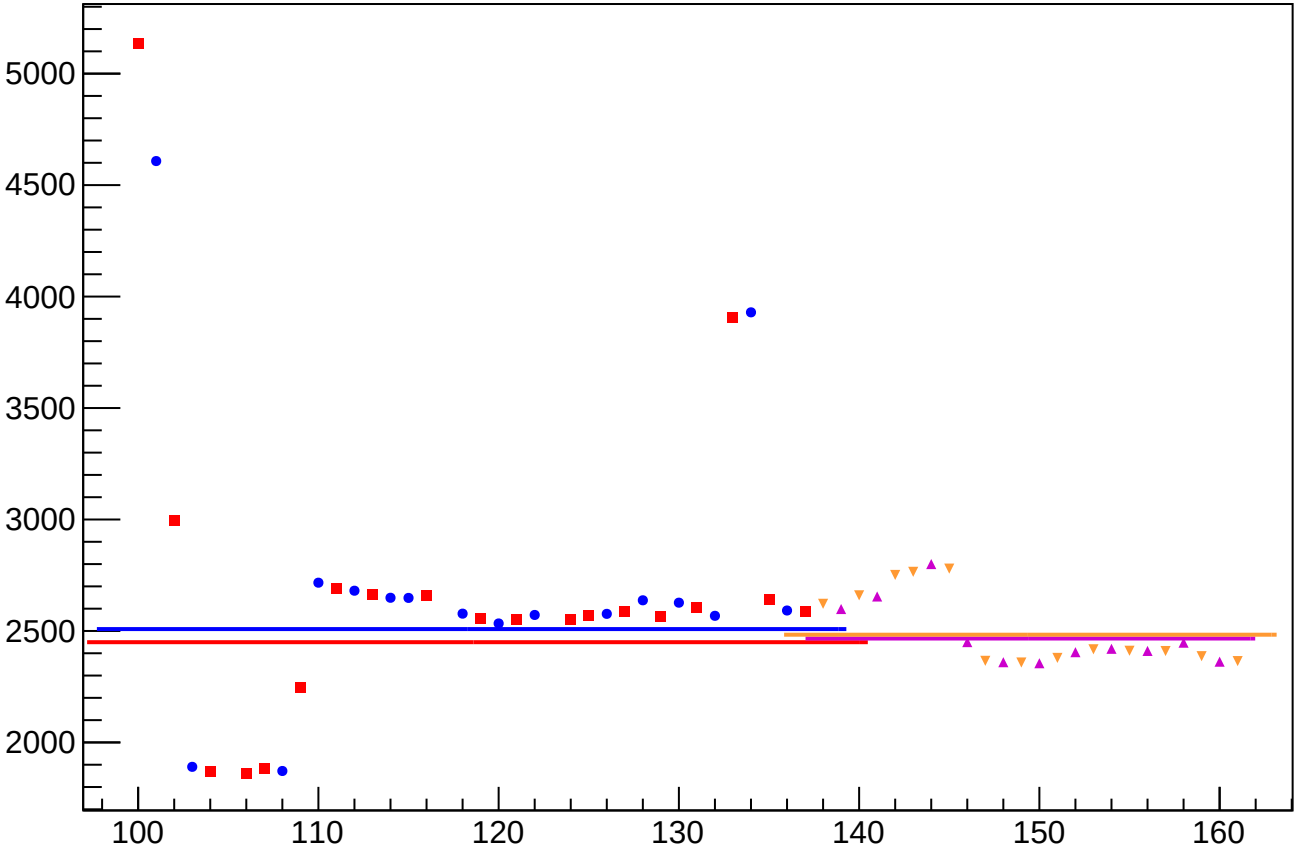
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3969.539+/-611.886 χ^2/NDF:15.1/26

Out: 877.175+/-592.189 χ^2/NDF:30.3/31

All: 2372.783+/-425.534 χ^2/NDF: 58.7/58

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

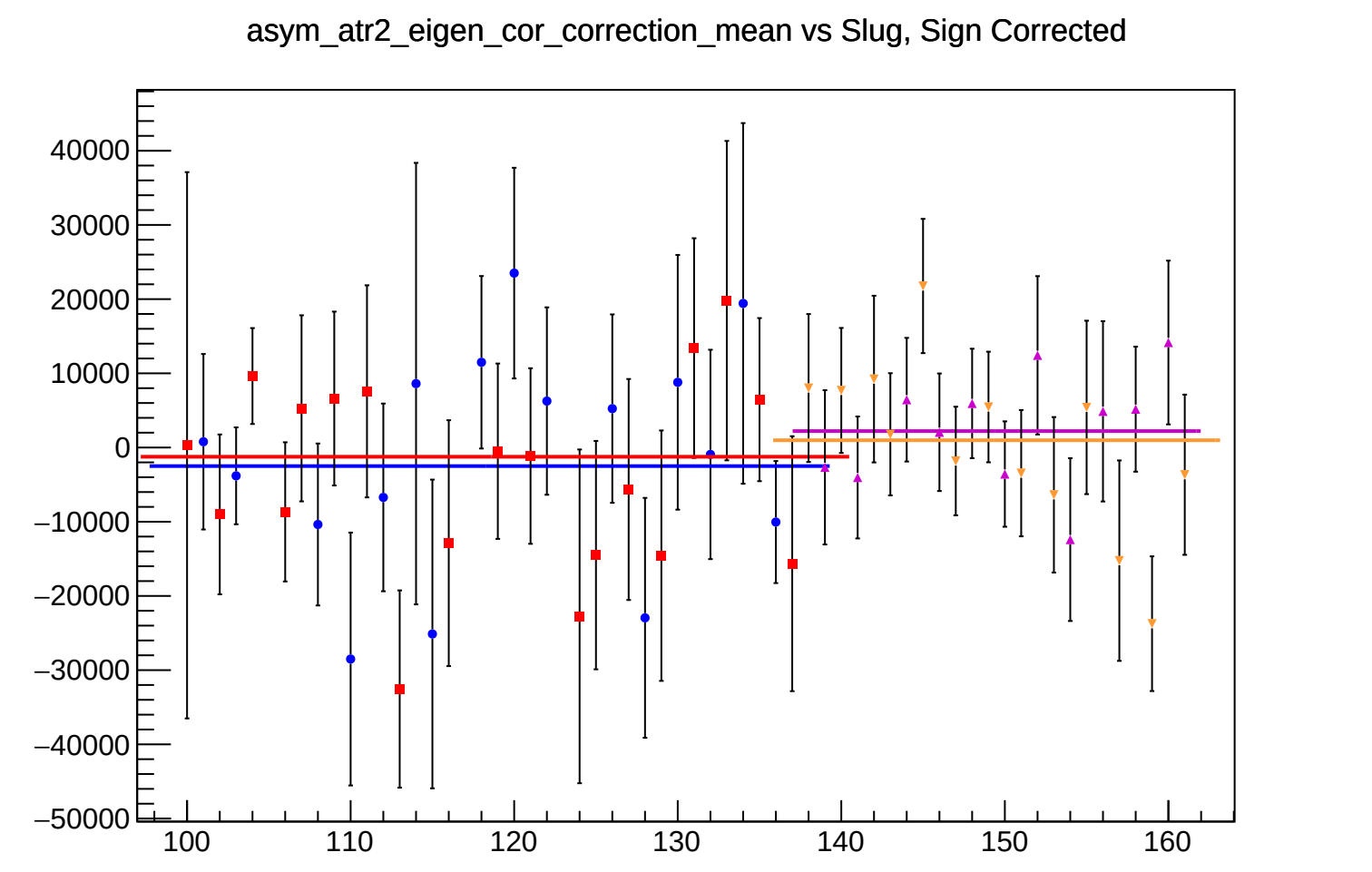
Left: 2474.967+/-0.393 χ^2/NDF: 131564.8/23

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2483.616+/-0.433 χ^2/NDF:666277.4/26

Out: 2469.387+/-0.419 χ^2/NDF:517129.2/31

All: 2476.269+/-0.301 χ^2/NDF: 1183965.0/58



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 983.912+/-2563.522 χ^2/NDF:17.4/12

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2217.859+/-2684.274 χ^2/NDF:6.0/10

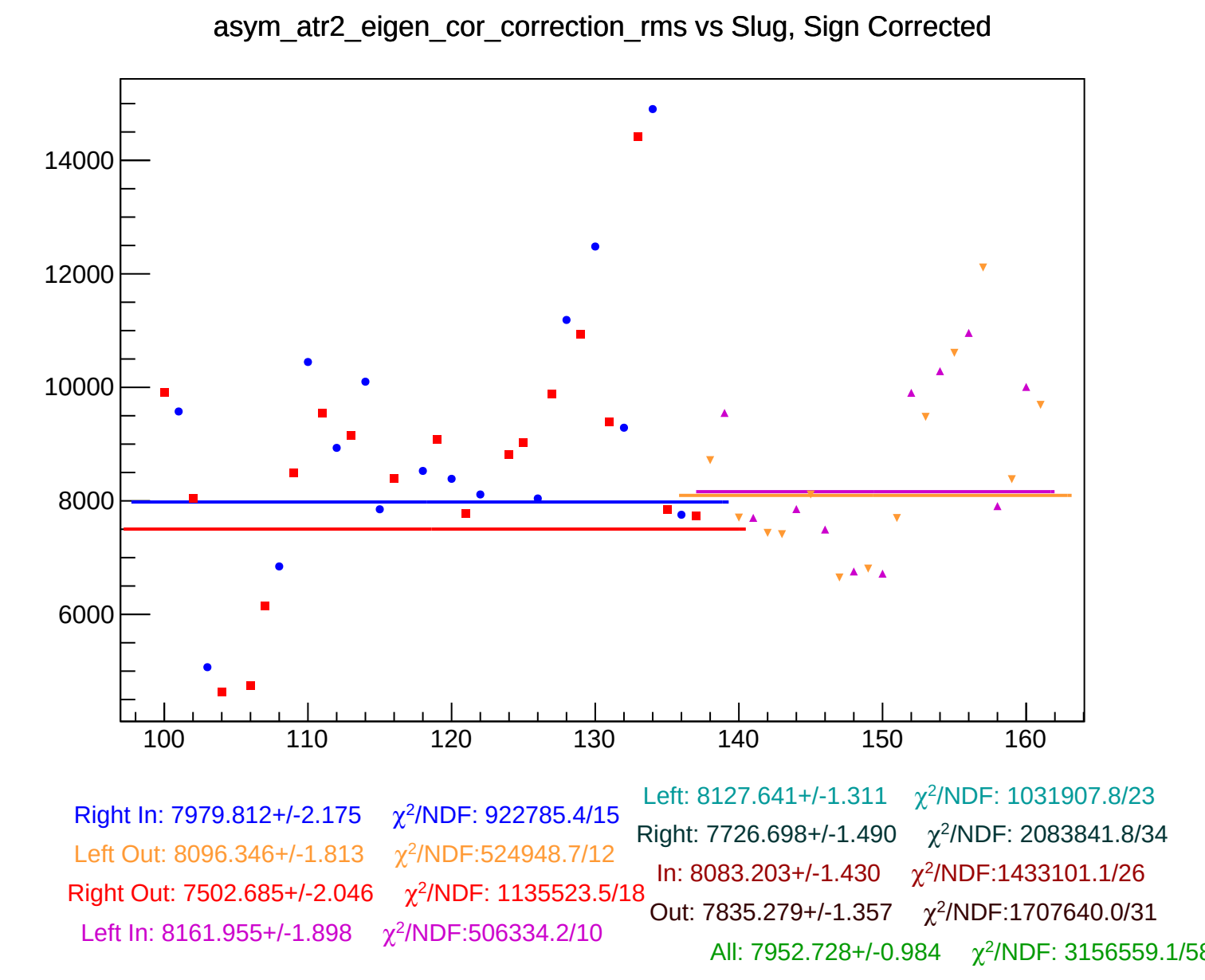
Left: 1572.507+/-1853.903 χ^2/NDF: 23.5/23

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

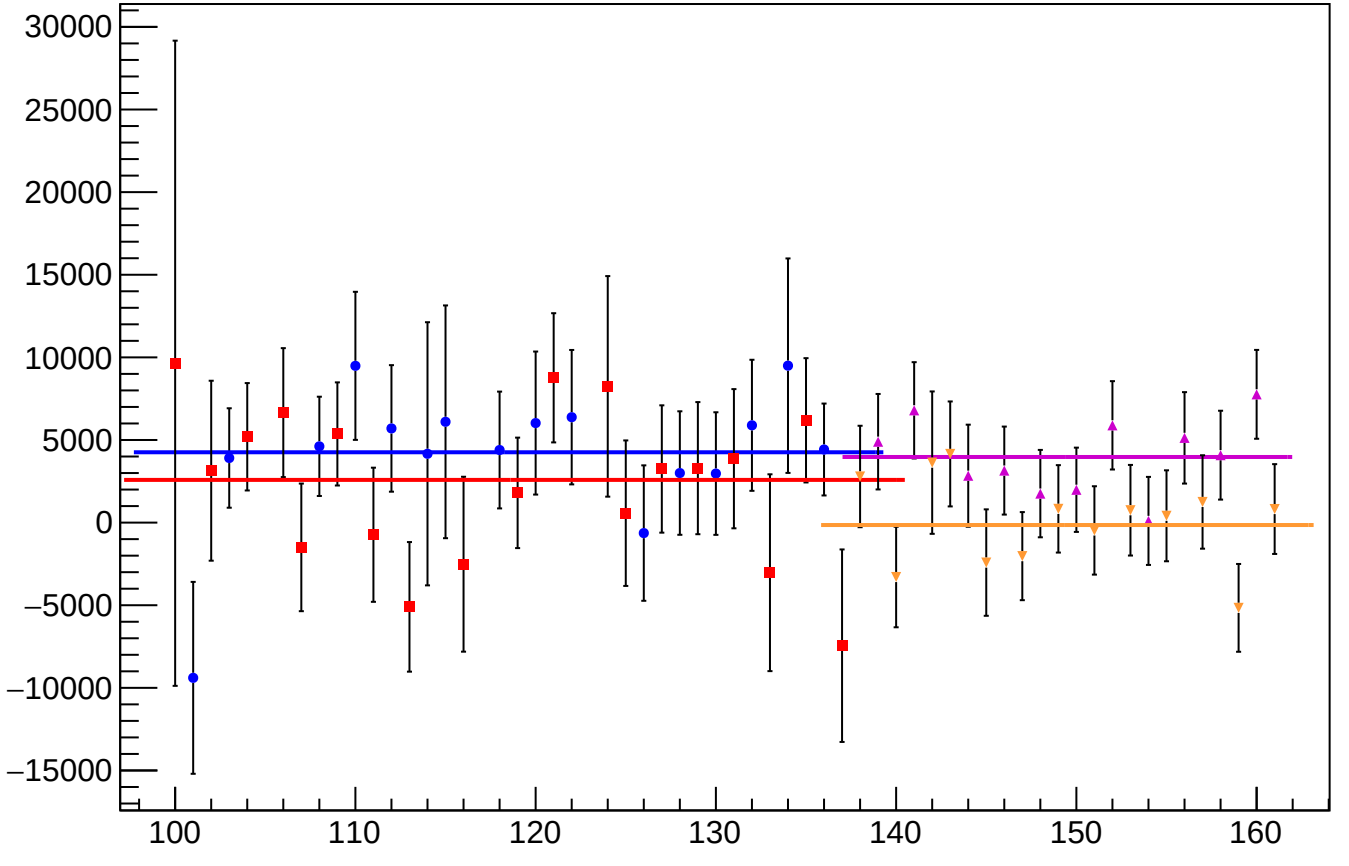
In: 177.875+/-2022.380 χ^2/NDF:21.1/26

Out: 5.975+/-1918.779 χ^2/NDF:34.4/31

All: 87.409+/-1391.967 χ^2/NDF: 55.5/58


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8096.346+/-1.813 χ²/NDF:524948.7/12
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8161.955+/-1.898 χ²/NDF:506334.2/10
Left: 8127.641+/-1.311 χ²/NDF: 1031907.8/23
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8083.203+/-1.430 χ²/NDF:1433101.1/26
Out: 7835.279+/-1.357 χ²/NDF:1707640.0/31
All: 7952.728+/-0.984 χ²/NDF: 3156559.1/58

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -146.280+/-802.106 χ^2/NDF:9.8/12

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3971.876+/-825.253 χ^2/NDF:7.4/10

Left: 1854.236+/-575.184 χ^2/NDF: 30.0/23

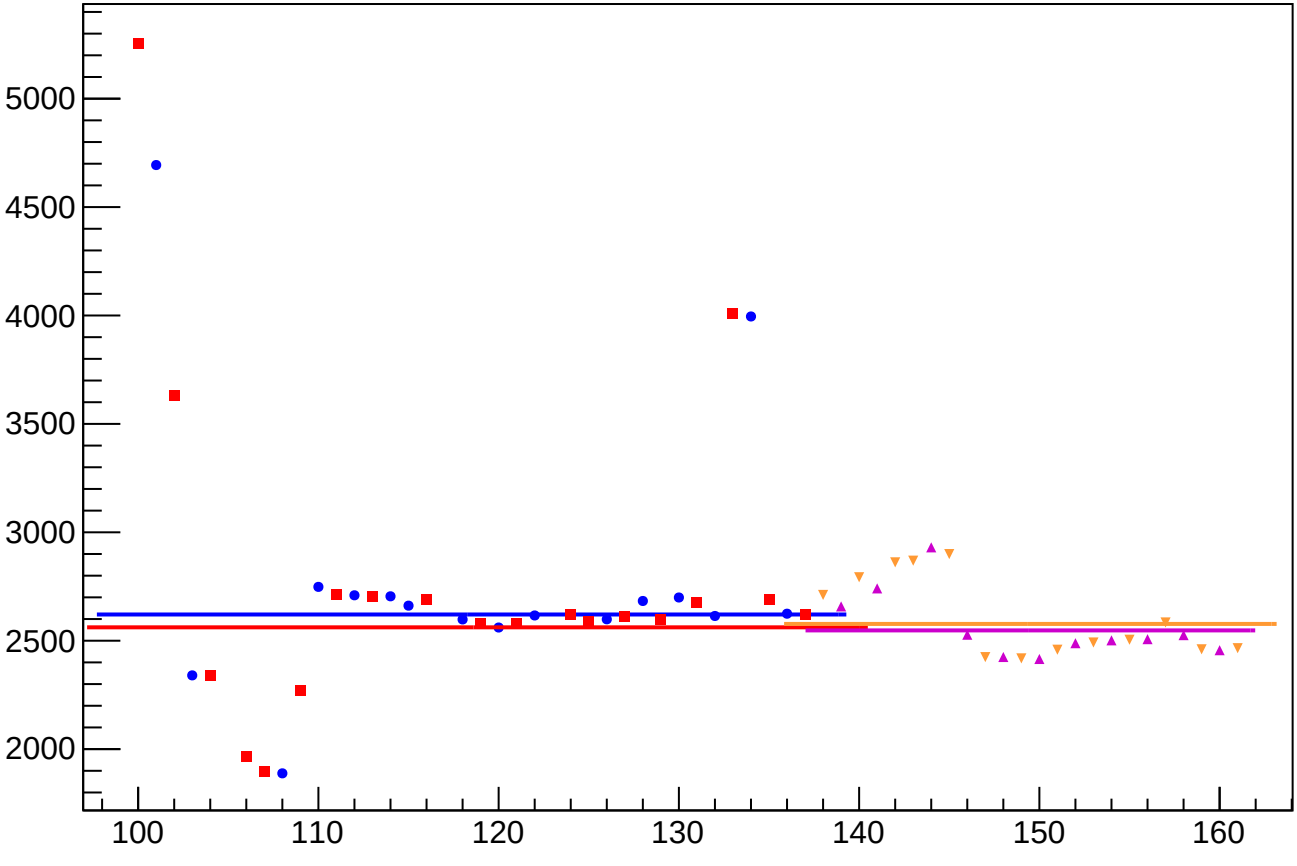
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4088.687+/-634.039 χ^2/NDF:17.5/26

Out: 968.149+/-617.116 χ^2/NDF:32.2/31

All: 2486.217+/-442.229 χ^2/NDF: 62.1/58

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2577.425+/-0.567 χ^2/NDF:87793.2/12

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2547.561+/-0.584 χ^2/NDF:56732.1/10

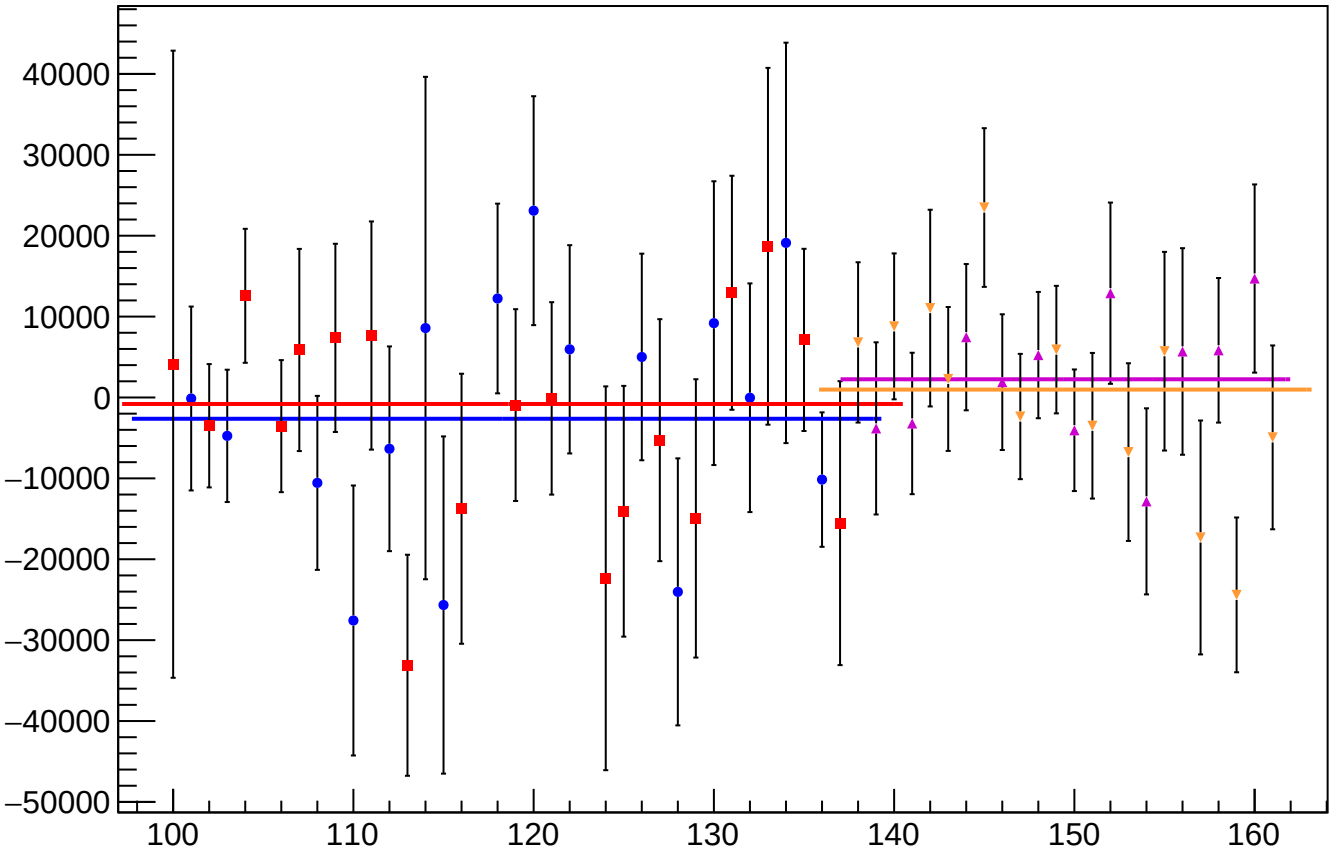
Left: 2562.918+/-0.407 χ^2/NDF: 145872.1/23

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2577.636+/-0.448 χ^2/NDF:549129.1/26

Out: 2571.011+/-0.436 χ^2/NDF:466365.9/31

All: 2574.233+/-0.313 χ^2/NDF: 1015607.0/58



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 975.286+/-2714.323 χ^2/NDF:17.4/12

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2248.662+/-2839.674 χ^2/NDF:5.9/10

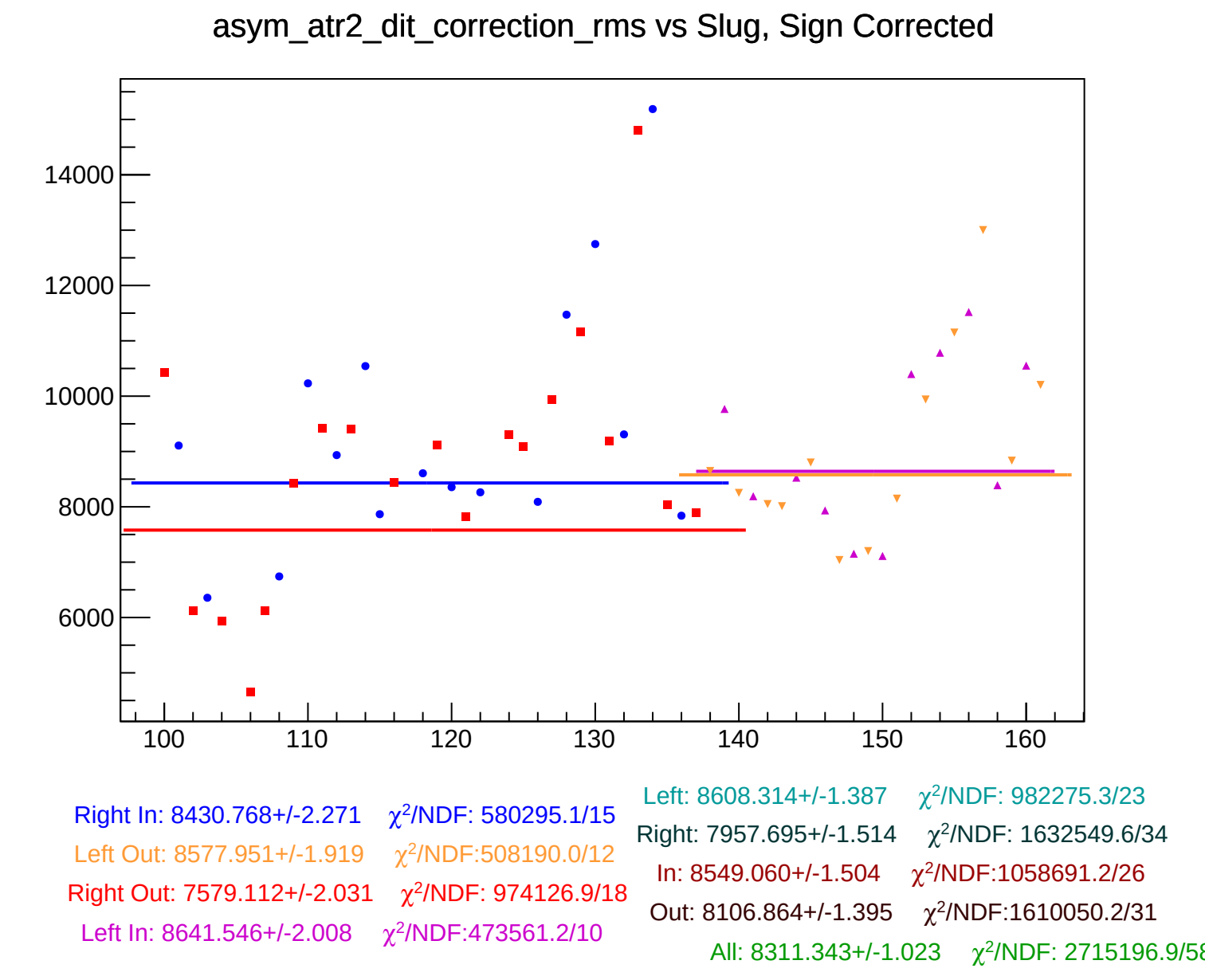
Left: 1583.249+/-1962.134 χ^2/NDF: 23.5/23

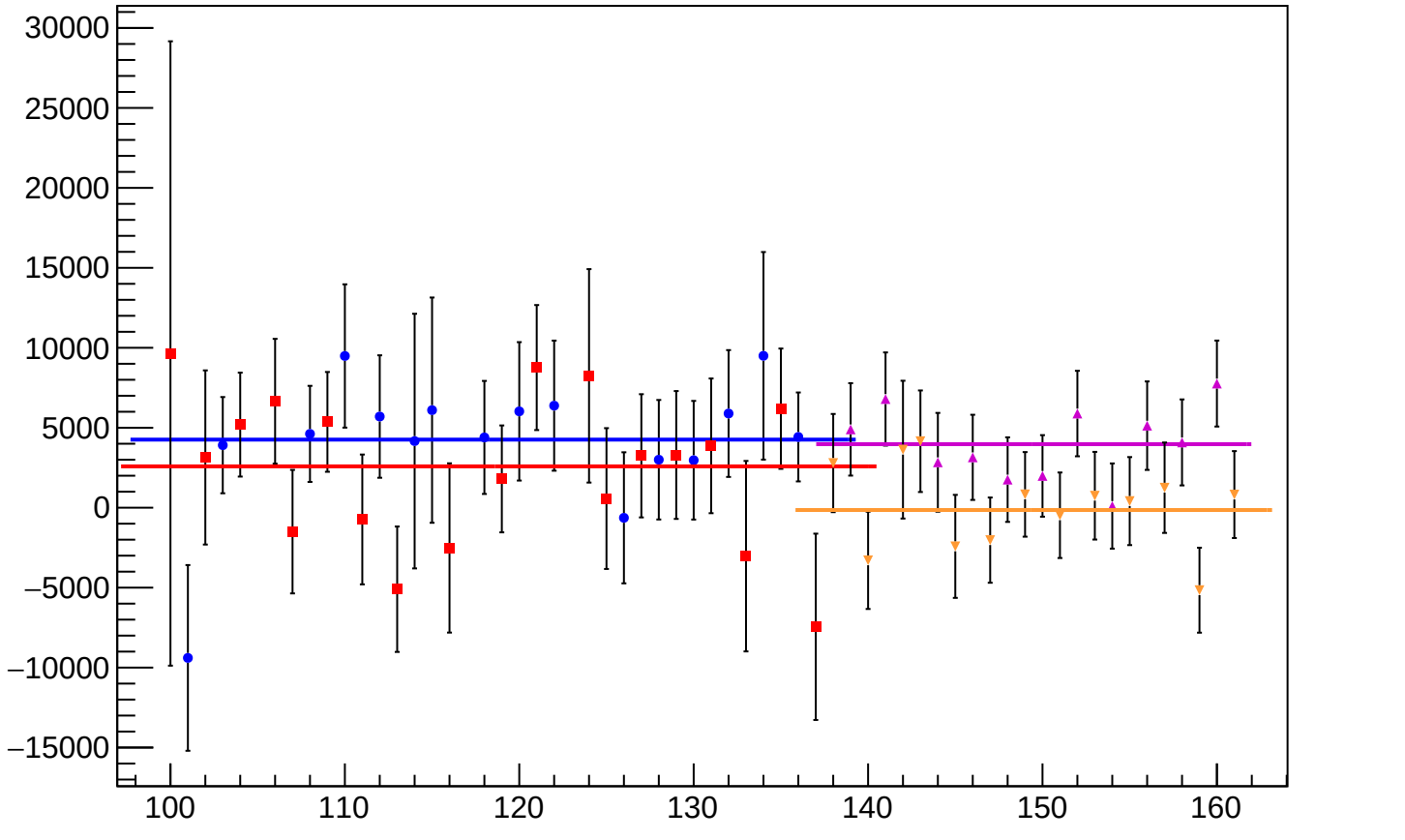
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: 107.144+/-2127.325 χ^2/NDF:21.0/26

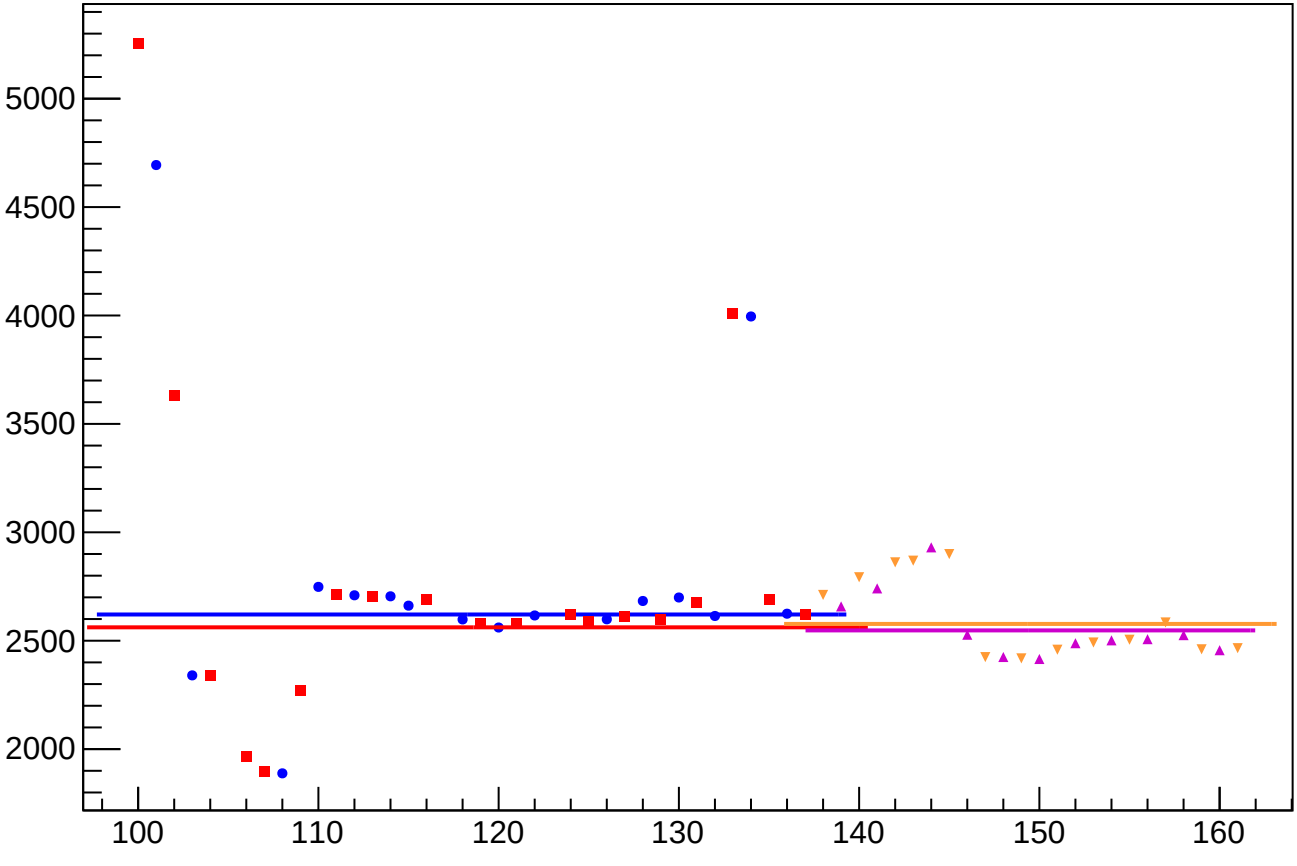
Out: 136.641+/-1973.007 χ^2/NDF:33.0/31

All: 123.001+/-1446.609 χ^2/NDF: 54.0/58


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8577.951+/-1.919 χ²/NDF:508190.0/12
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8641.546+/-2.008 χ²/NDF:473561.2/10
Left: 8608.314+/-1.387 χ²/NDF: 982275.3/23
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8549.060+/-1.504 χ²/NDF:1058691.2/26
Out: 8106.864+/-1.395 χ²/NDF:1610050.2/31
All: 8311.343+/-1.023 χ²/NDF: 2715196.9/58


eigen_dit_asym_atr2_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 4256.984+/-990.541 χ²/NDF: 10.1/15
Left Out: -146.299+/-802.107 χ²/NDF:9.8/12
Right Out: 2584.699+/-966.048 χ²/NDF: 17.6/18
Left In: 3971.877+/-825.253 χ²/NDF:7.4/10
Left: 1854.227+/-575.184 χ²/NDF: 30.0/23
Right: 3399.911+/-691.596 χ²/NDF: 29.1/34
In: 4088.691+/-634.039 χ²/NDF:17.5/26
Out: 968.143+/-617.116 χ²/NDF:32.2/31
All: 2486.216+/-442.229 χ²/NDF: 62.1/58

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2577.427+/-0.567 χ^2/NDF:87793.1/12

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2547.563+/-0.584 χ^2/NDF:56731.8/10

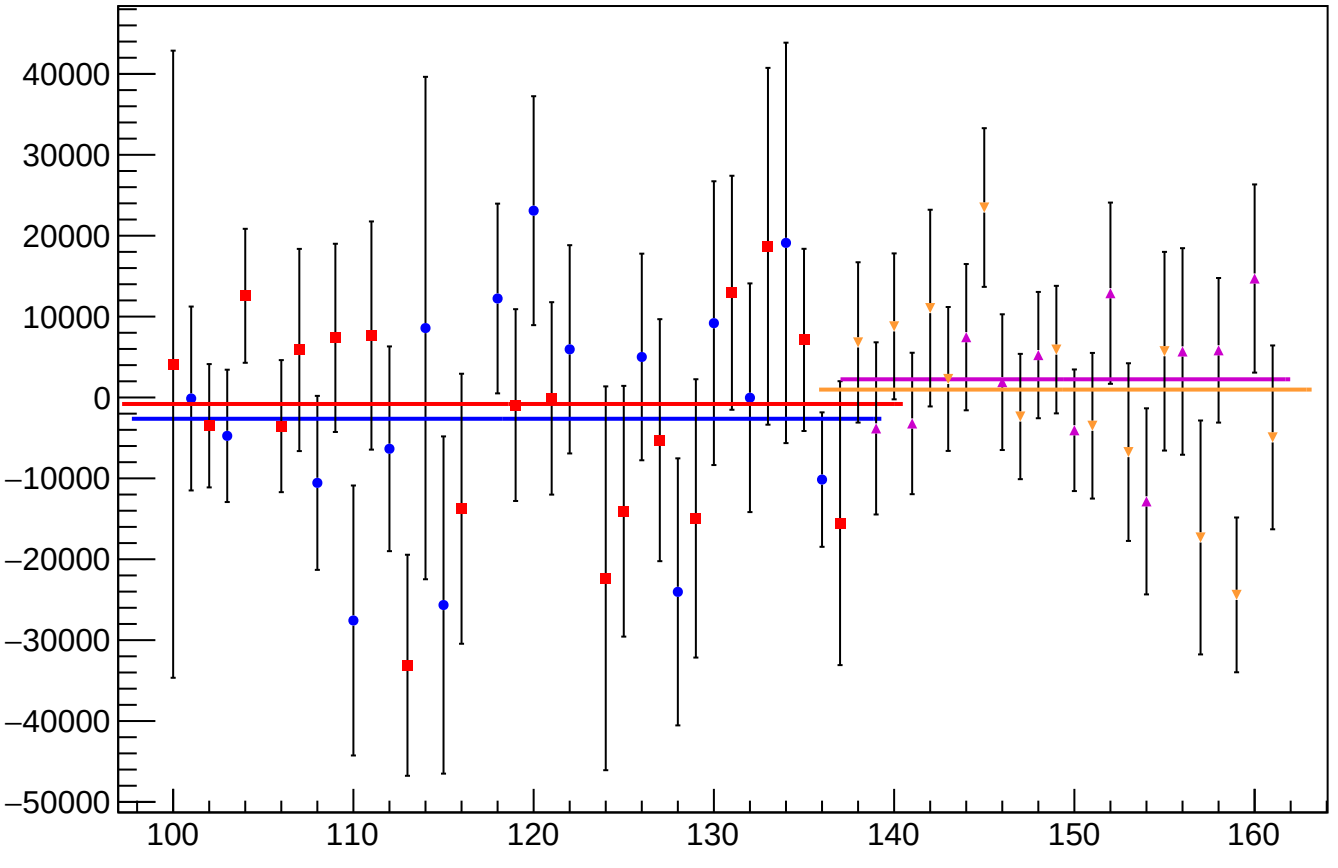
Left: 2562.920+/-0.407 χ^2/NDF: 145871.8/23

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2577.636+/-0.448 χ^2/NDF:549128.5/26

Out: 2571.012+/-0.436 χ^2/NDF:466365.3/31

All: 2574.234+/-0.313 χ^2/NDF: 1015605.9/58



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 975.279+/-2714.327 χ^2/NDF:17.4/12

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2248.659+/-2839.677 χ^2/NDF:5.9/10

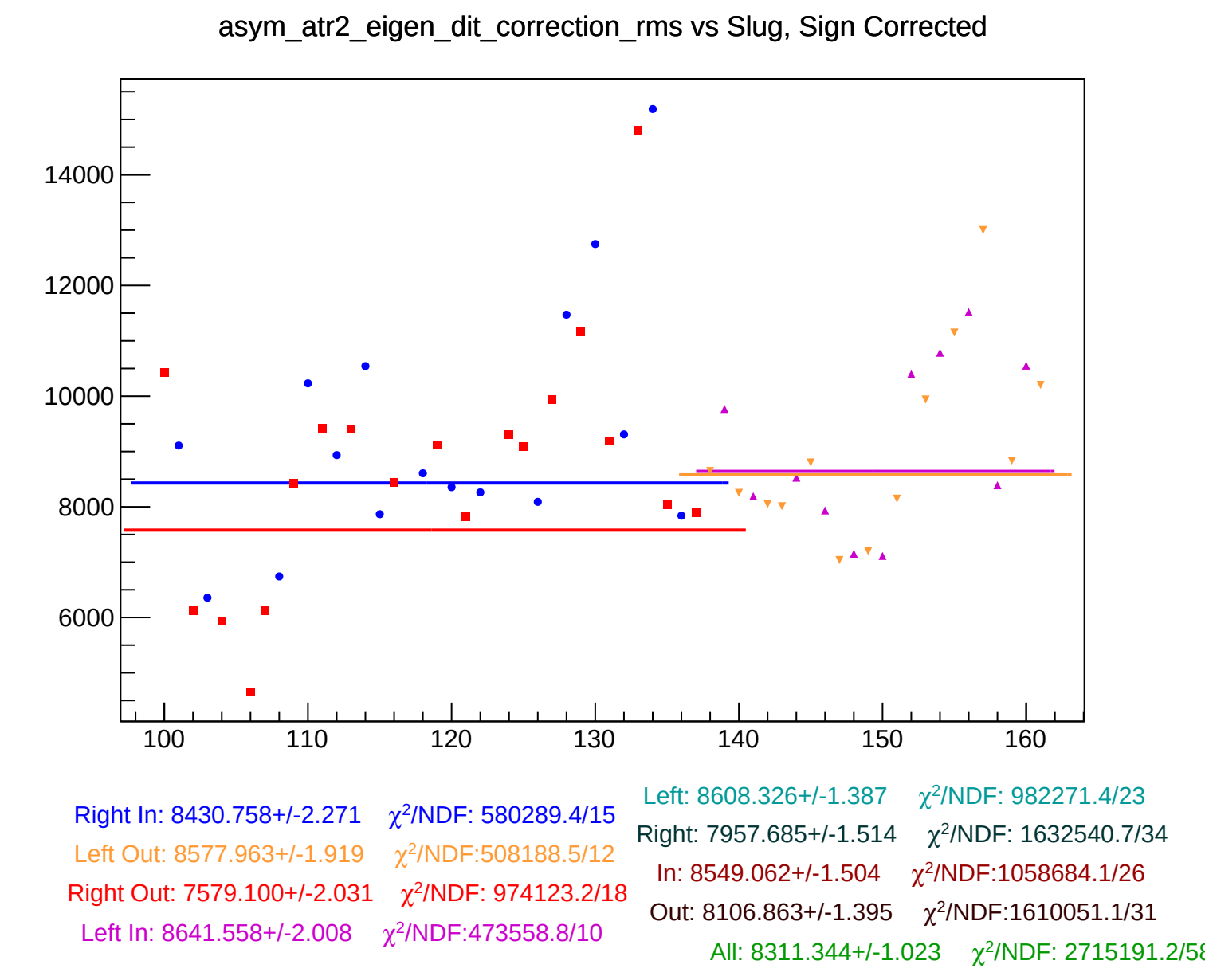
Left: 1583.244+/-1962.137 χ^2/NDF: 23.5/23

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 107.151+/-2127.325 χ^2/NDF:21.0/26

Out: 136.637+/-1973.007 χ^2/NDF:33.0/31

All: 123.002+/-1446.609 χ^2/NDF: 54.0/58


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
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8000
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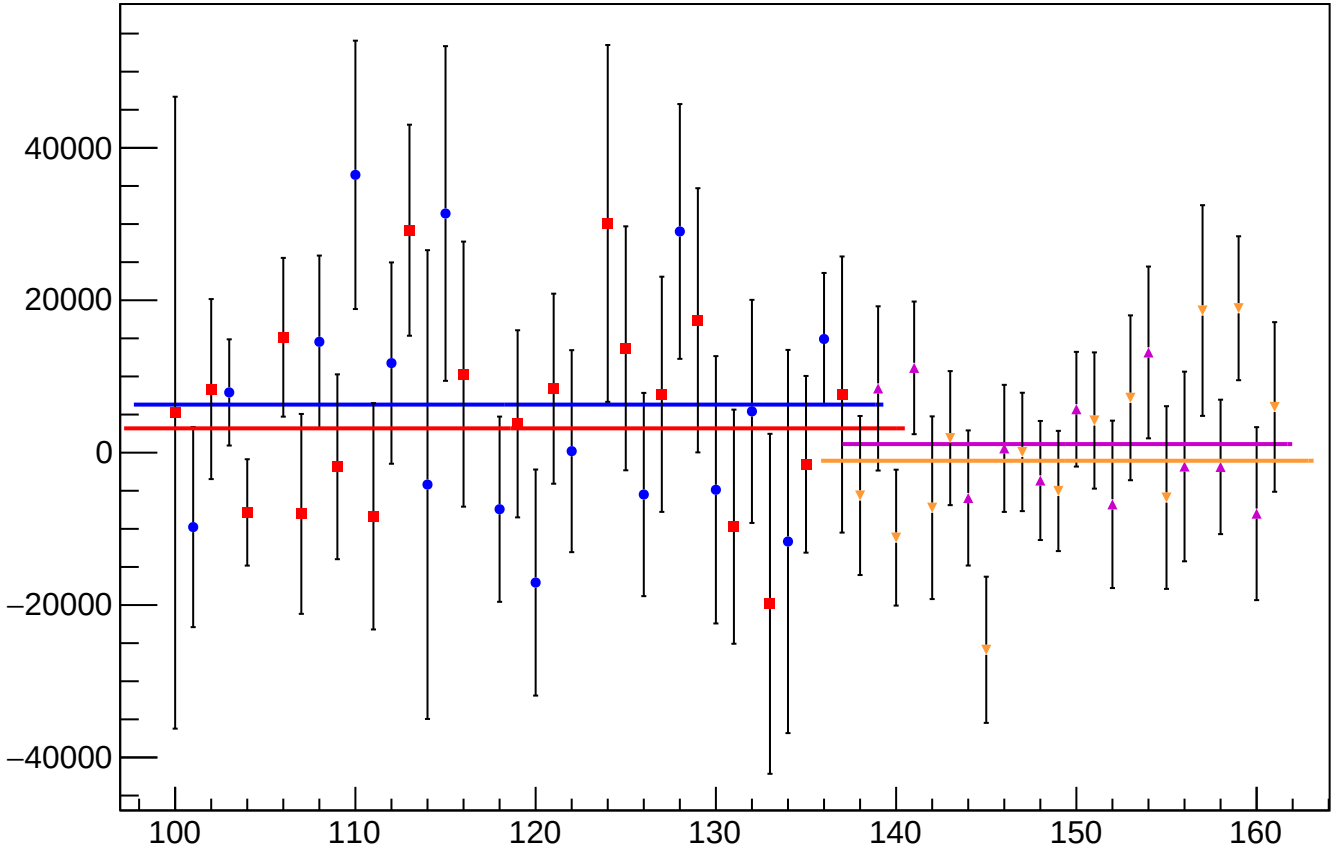
120
130
140
150
160
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8577.963+/-1.919 χ²/NDF:508188.5/12
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 8641.558+/-2.008 χ²/NDF:473558.8/10
Left: 8608.326+/-1.387 χ²/NDF: 982271.4/23
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8549.062+/-1.504 χ²/NDF:1058684.1/26
Out: 8106.863+/-1.395 χ²/NDF:1610051.1/31
All: 8311.344+/-1.023 χ²/NDF: 2715191.2/58

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1061.220+/-2695.205 χ^2/NDF:16.8/12

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1126.049+/-2815.316 χ^2/NDF:5.6/10

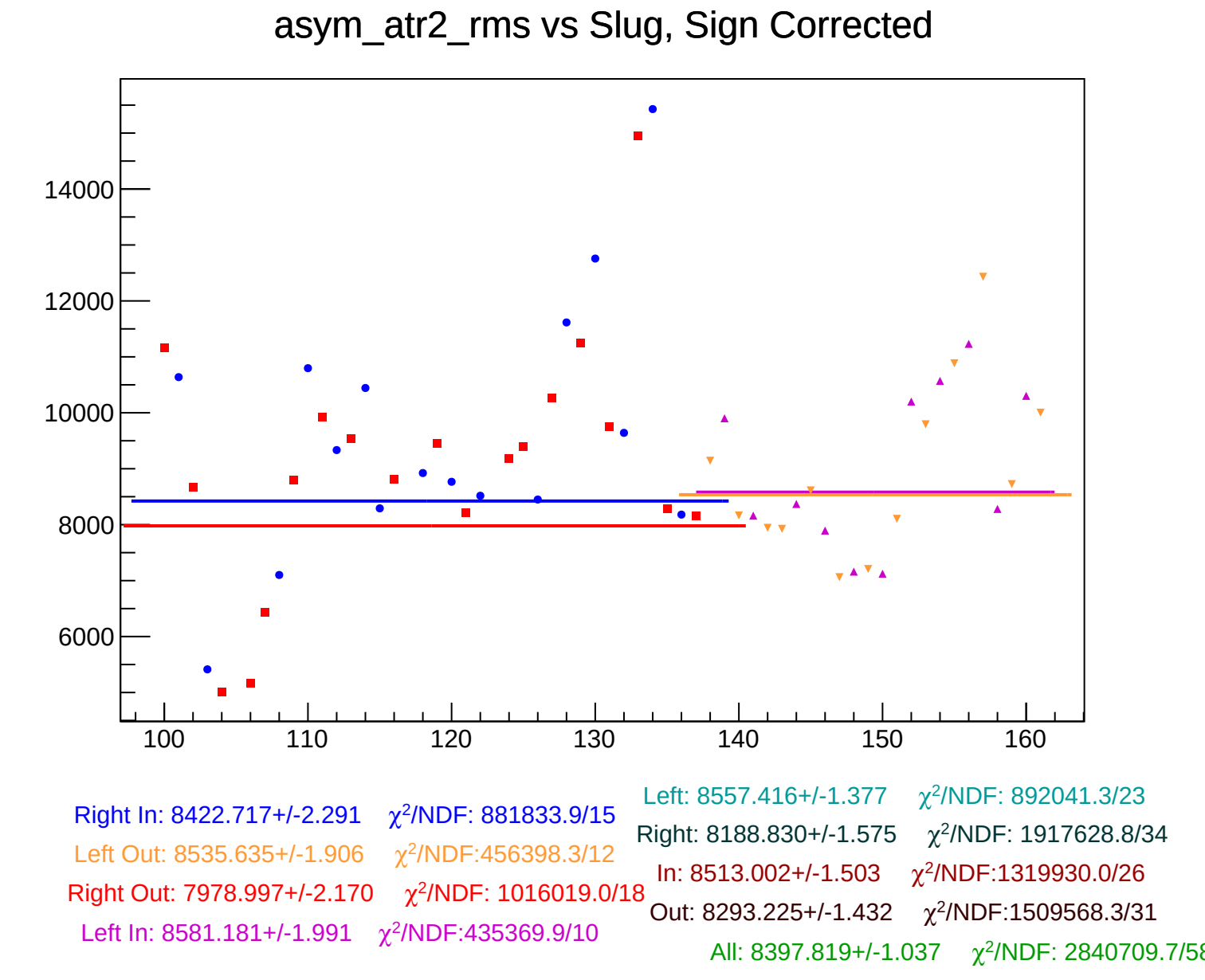
Left: -15.238+/-1946.875 χ^2/NDF: 22.8/23

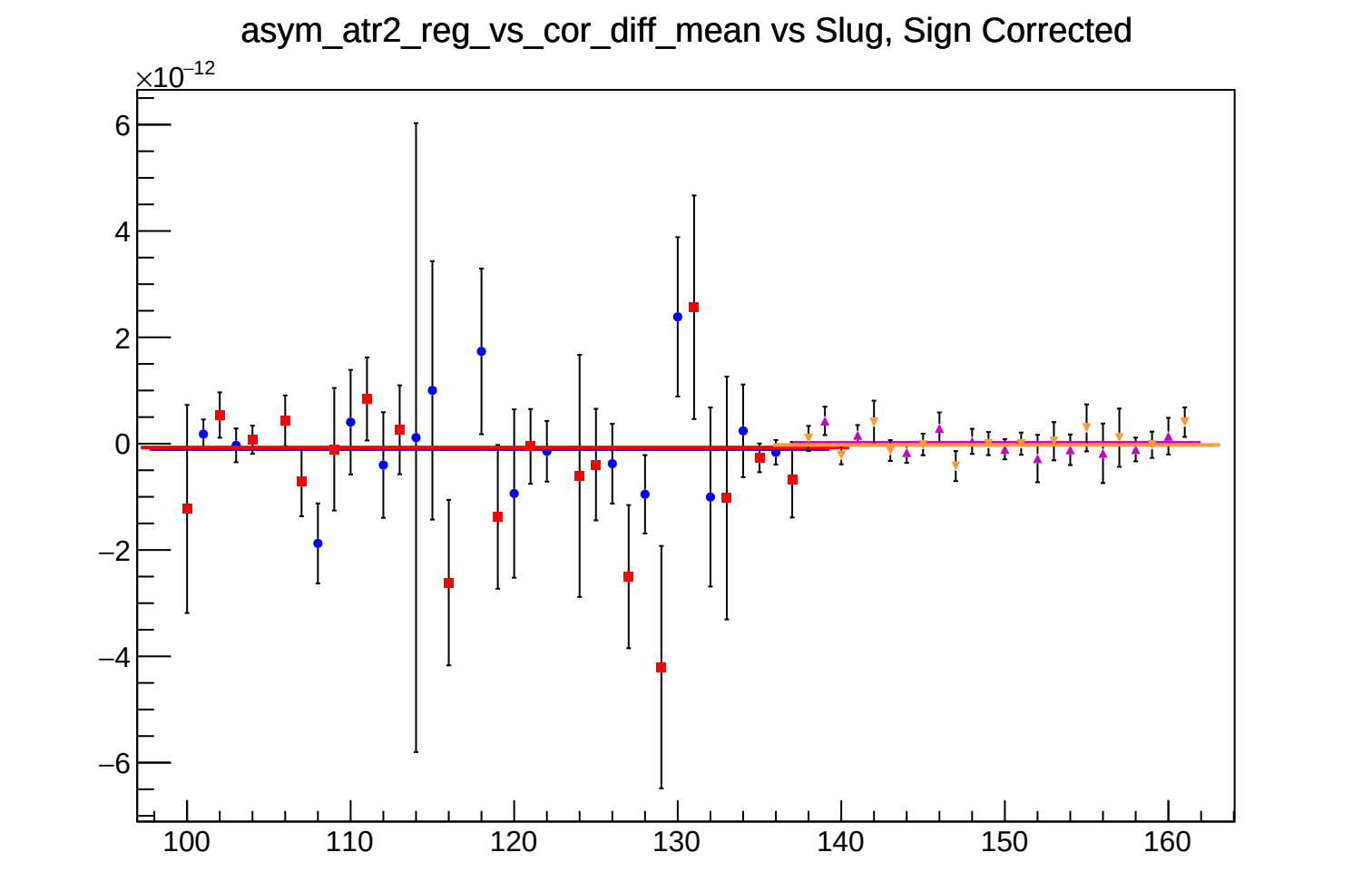
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3355.189+/-2125.043 χ^2/NDF:22.2/26

Out: 789.824+/-2025.029 χ^2/NDF:31.8/31

All: 2010.719+/-1465.994 χ^2/NDF: 54.8/58


asym_atr2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8422.717+/-2.291 χ²/NDF: 881833.9/15
Left Out: 8535.635+/-1.906 χ²/NDF:456398.3/12
Right Out: 7978.997+/-2.170 χ²/NDF: 1016019.0/18
Left In: 8581.181+/-1.991 χ²/NDF:435369.9/10
Left: 8557.416+/-1.377 χ²/NDF: 892041.3/23
Right: 8188.830+/-1.575 χ²/NDF: 1917628.8/34
In: 8513.002+/-1.503 χ²/NDF:1319930.0/26
Out: 8293.225+/-1.432 χ²/NDF:1509568.3/31
All: 8397.819+/-1.037 χ²/NDF: 2840709.7/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/10

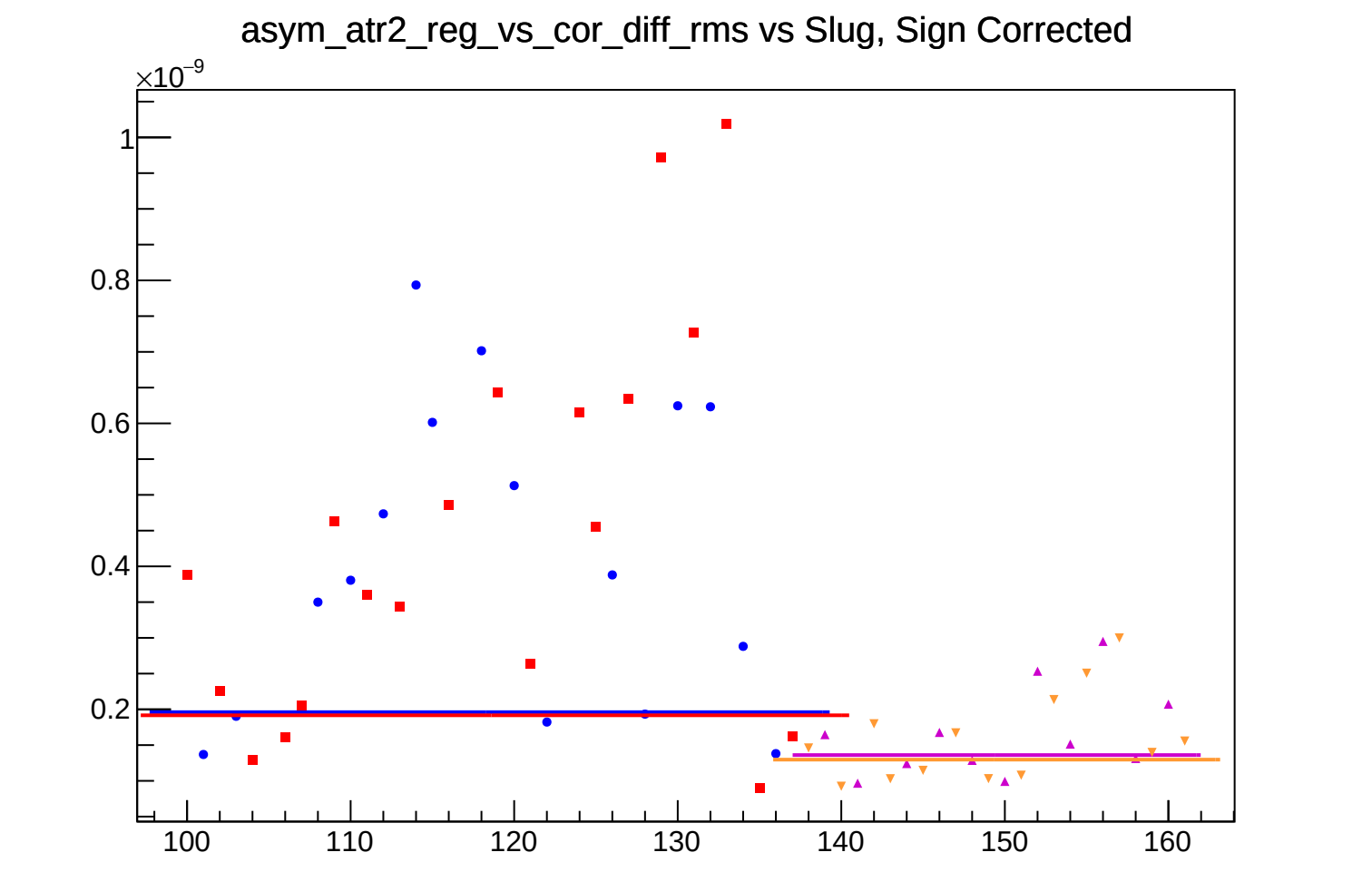
Left: -0.000+/-0.000 χ^2/NDF: 14.4/23

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:20.5/26

Out: -0.000+/-0.000 χ^2/NDF:27.7/31

All: -0.000+/-0.000 χ^2/NDF: 48.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:744477.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:605706.4/10

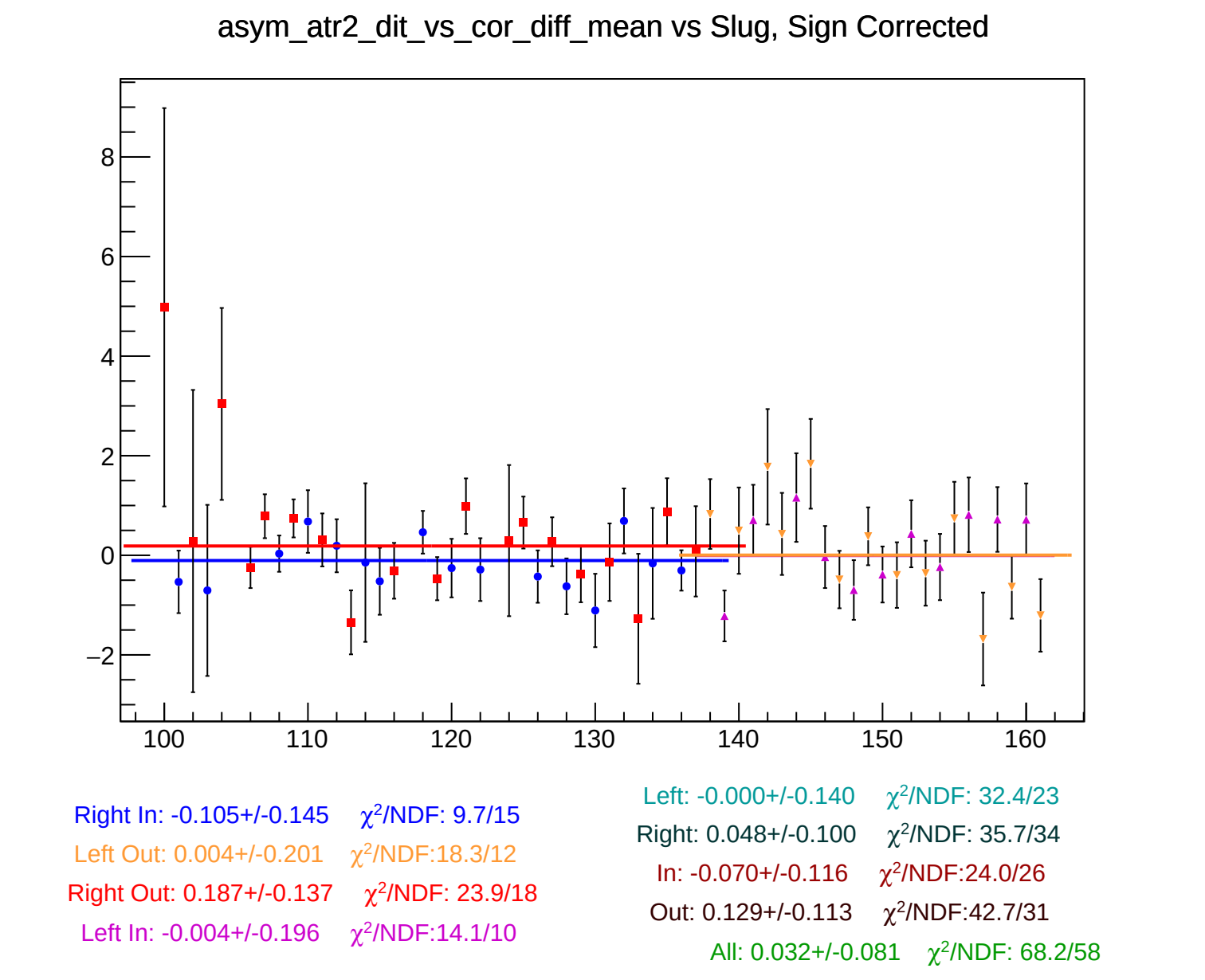
Left: 0.000+/-0.000 χ^2/NDF: 1357995.7/23

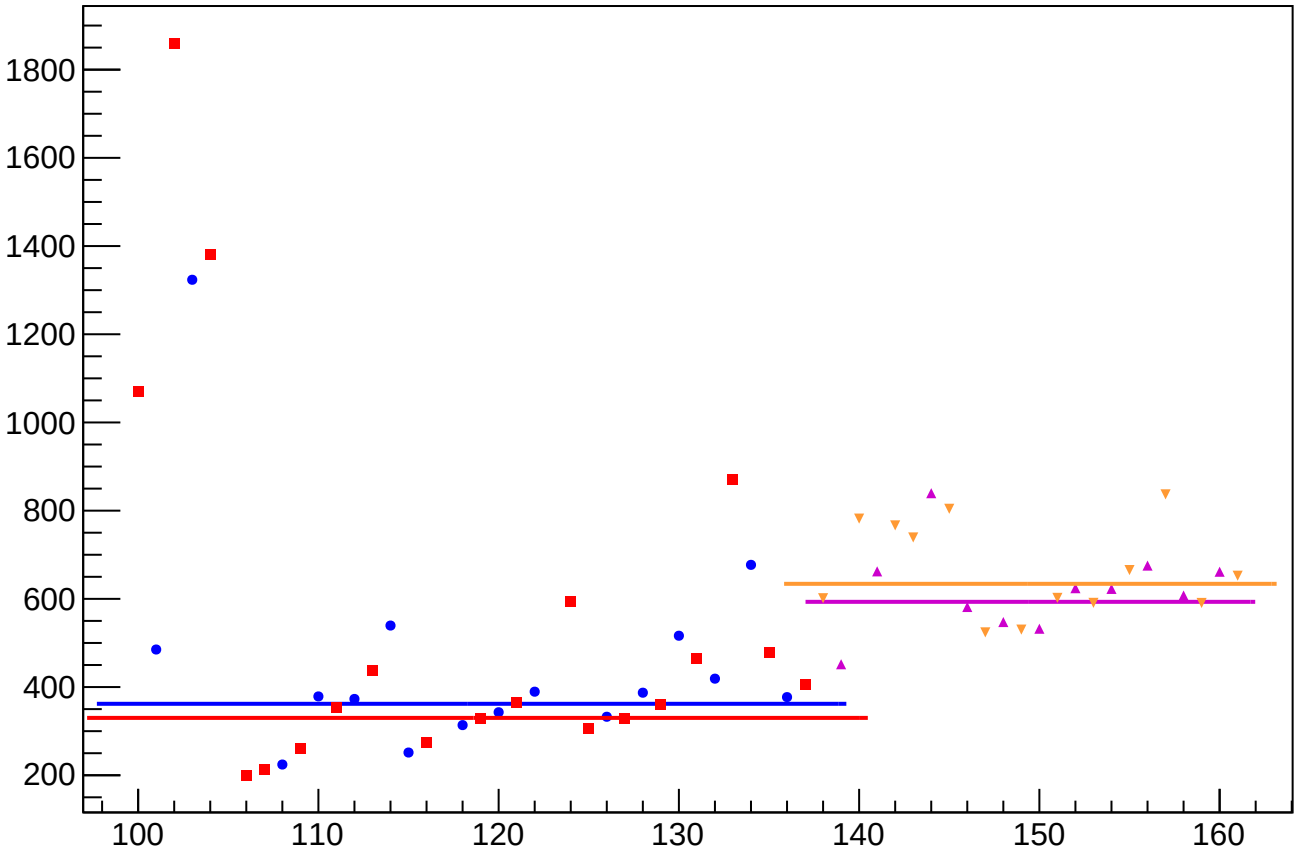
Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2250529.3/26

Out: 0.000+/-0.000 χ^2/NDF:3129393.9/31

All: 0.000+/-0.000 χ^2/NDF: 5398706.8/58


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.004+/-0.201 χ²/NDF:18.3/12
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.004+/-0.196 χ²/NDF:14.1/10
Left: -0.000+/-0.140 χ²/NDF: 32.4/23
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.070+/-0.116 χ²/NDF:24.0/26
Out: 0.129+/-0.113 χ²/NDF:42.7/31
All: 0.032+/-0.081 χ²/NDF: 68.2/58



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 634.092+/-0.142 χ^2/NDF:451245.8/12

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

Left: 613.130+/-0.099 χ^2/NDF: 906348.6/23

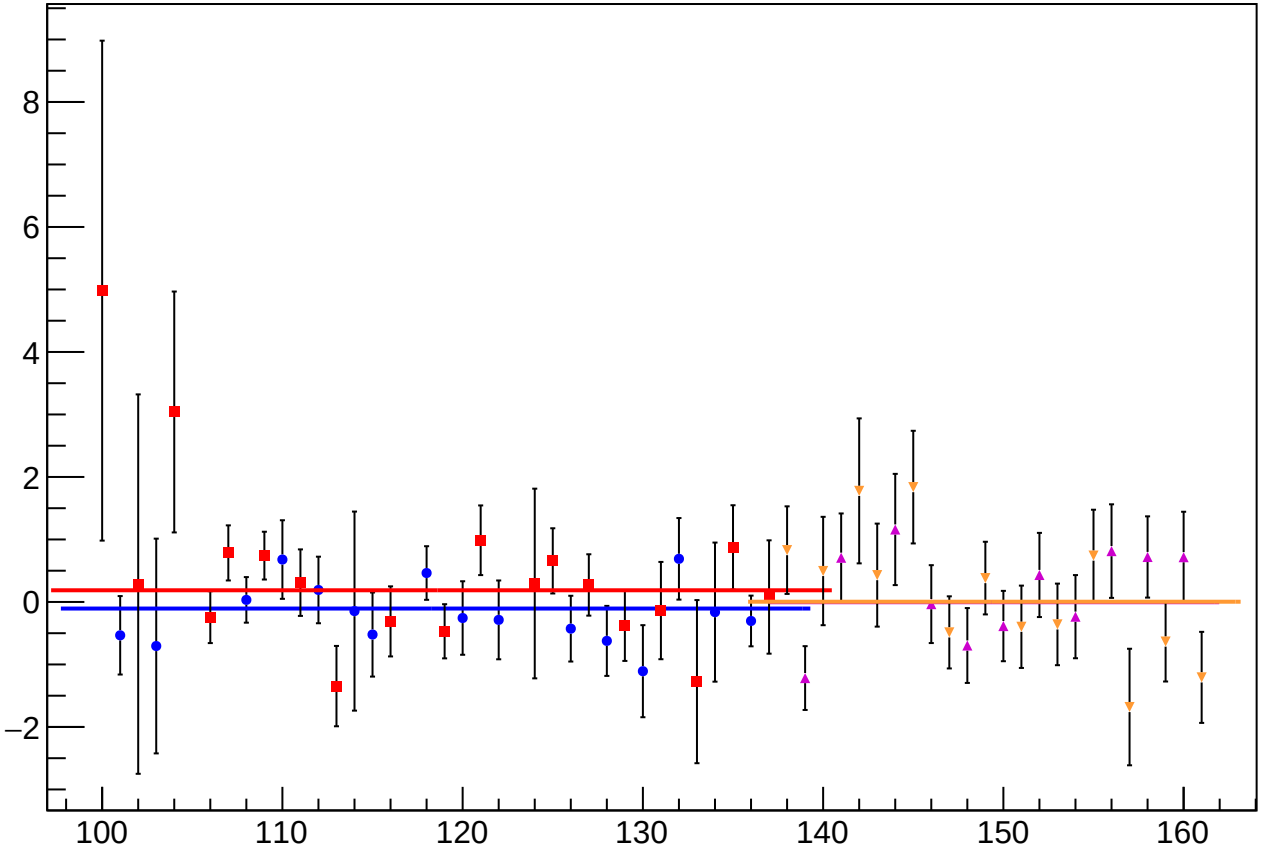
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 443.770+/-0.082 χ^2/NDF:3595516.3/26

Out: 426.953+/-0.080 χ^2/NDF:5817035.1/31

All: 435.149+/-0.057 χ^2/NDF: 9433974.7/58

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: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.004+/-0.196 χ^2/NDF:14.1/10

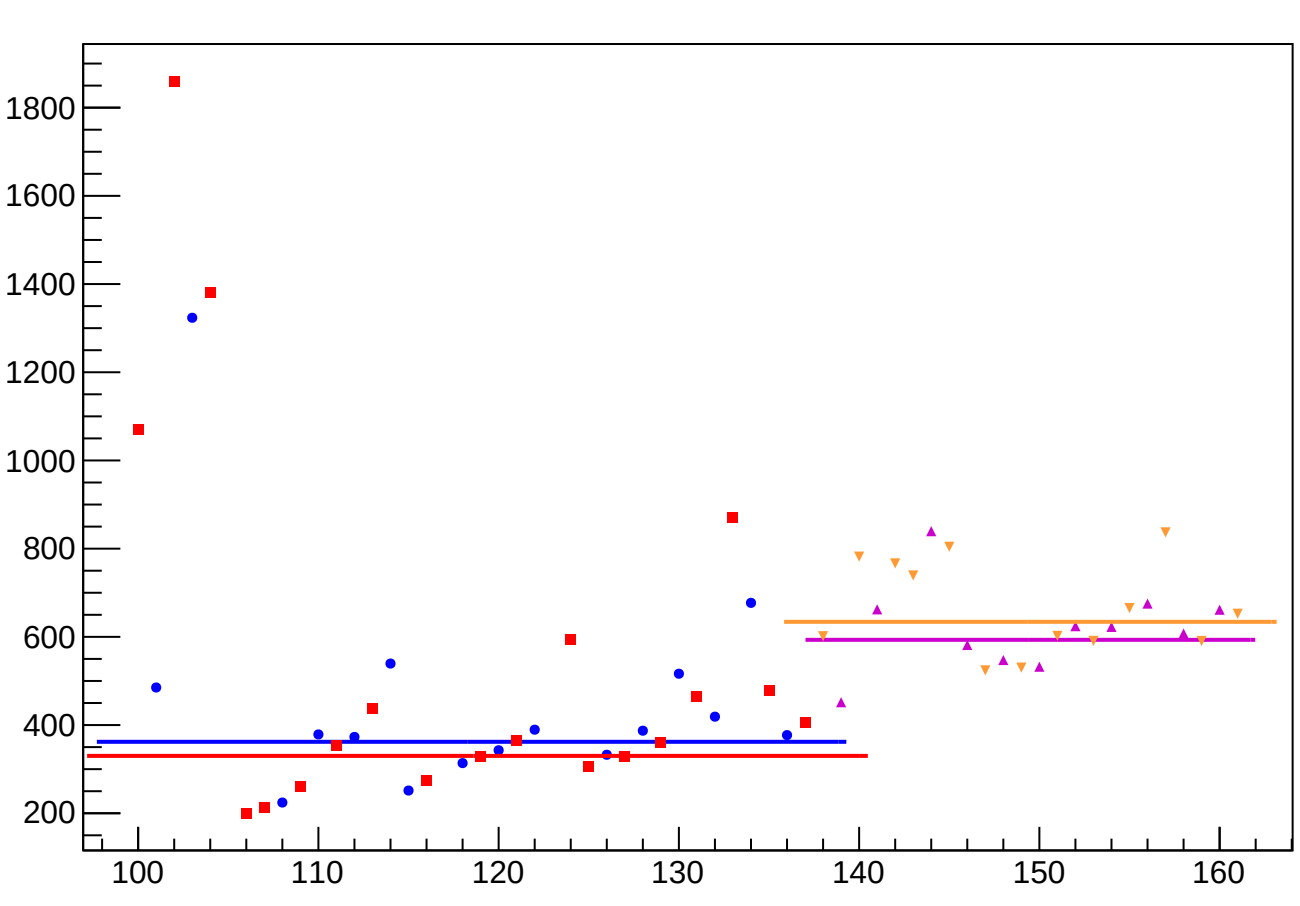
Left: -0.000+/-0.140 χ^2/NDF: 32.4/23

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.129+/-0.113 χ^2/NDF:42.7/31

All: 0.032+/-0.081 χ^2/NDF: 68.2/58



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 634.092+/-0.142 χ^2/NDF:451245.8/12

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

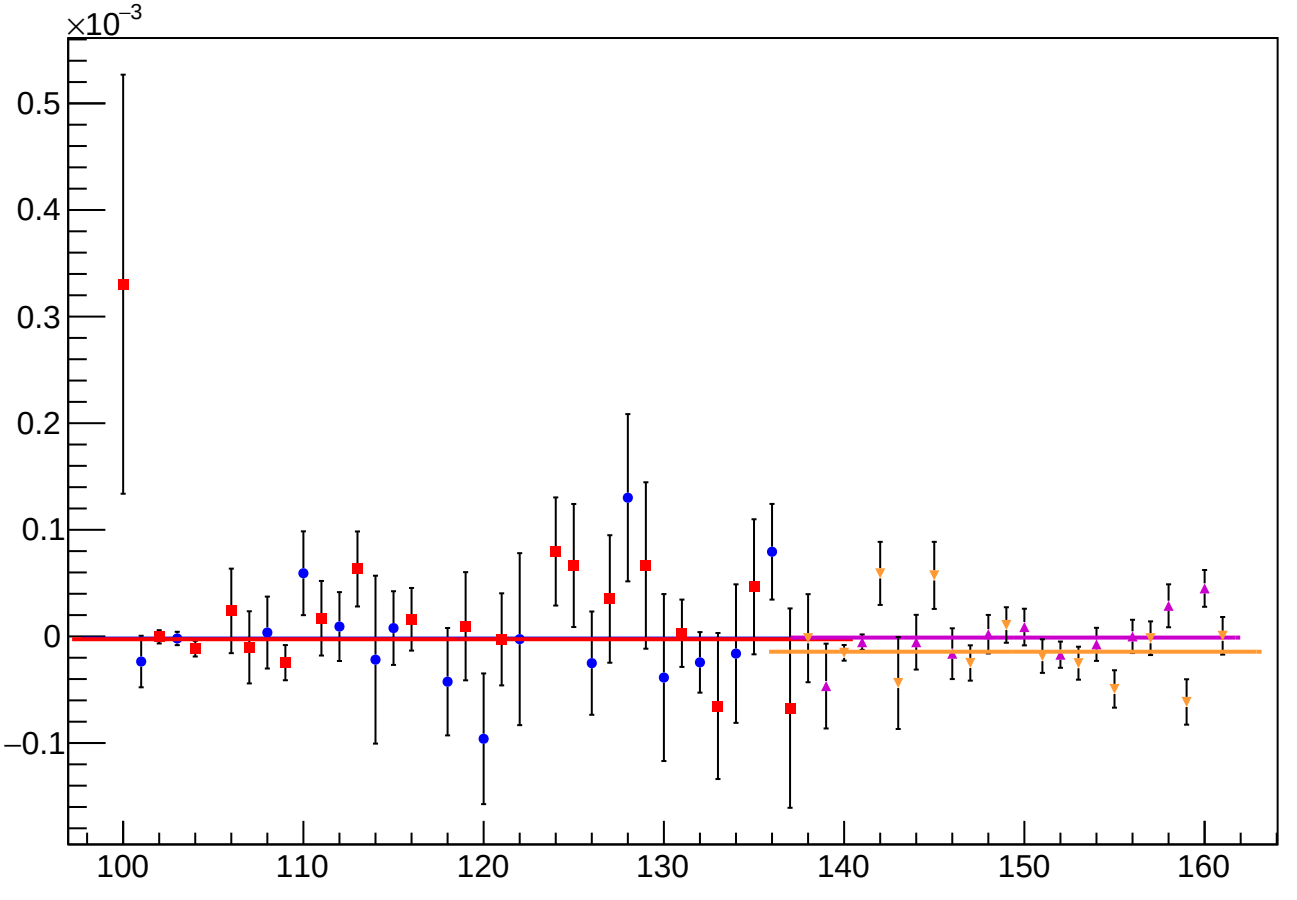
Left: 613.130+/-0.099 χ^2/NDF: 906348.6/23

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 443.770+/-0.082 χ^2/NDF:3595516.3/26

Out: 426.953+/-0.080 χ^2/NDF:5817035.1/31

All: 435.149+/-0.057 χ^2/NDF: 9433974.7/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.7/10

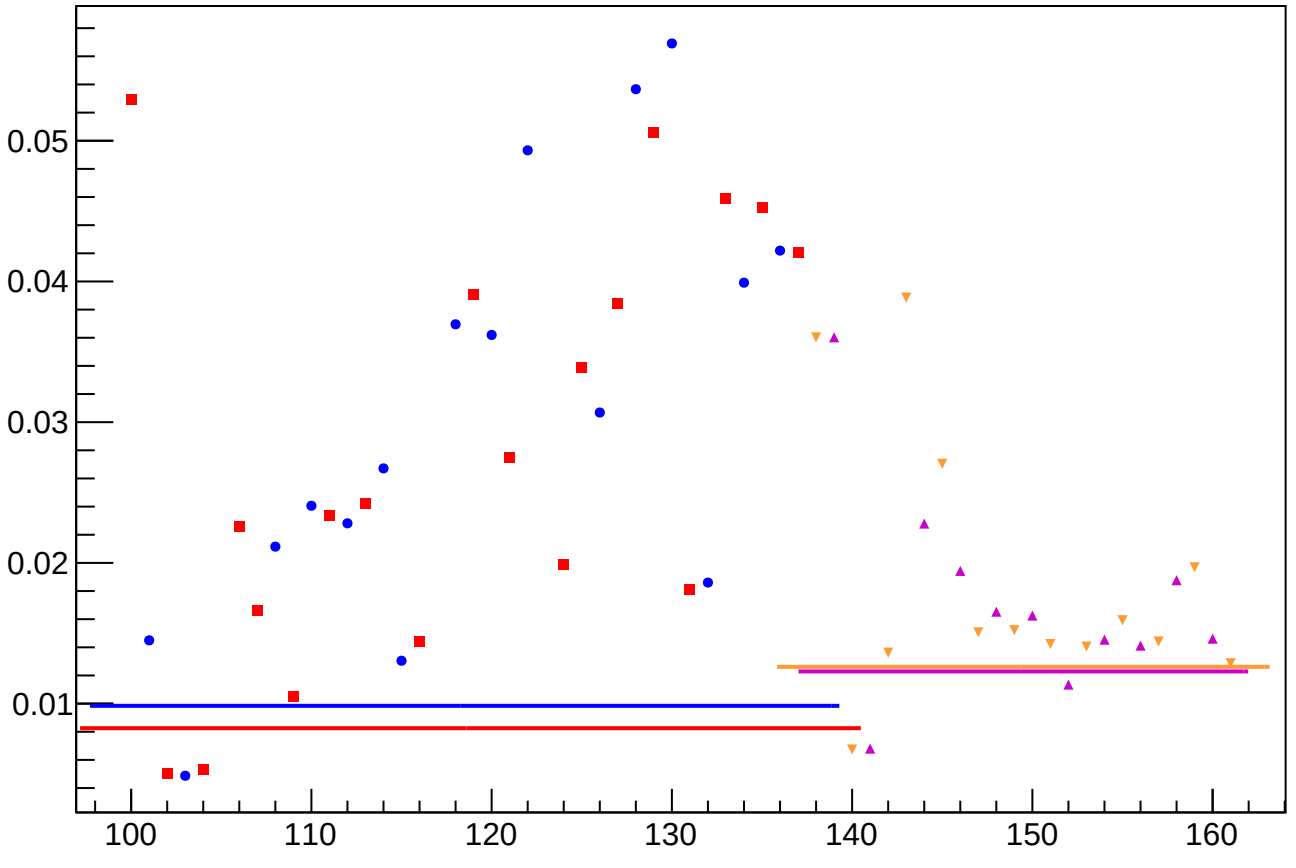
Left: -0.000+/-0.000 χ^2/NDF: 43.4/23

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:47.2/31

All: -0.000+/-0.000 χ^2/NDF: 76.8/58



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:3532498.3/12

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2917342.9/10

Left: 0.012+/-0.000 χ^2/NDF: 6455215.1/23

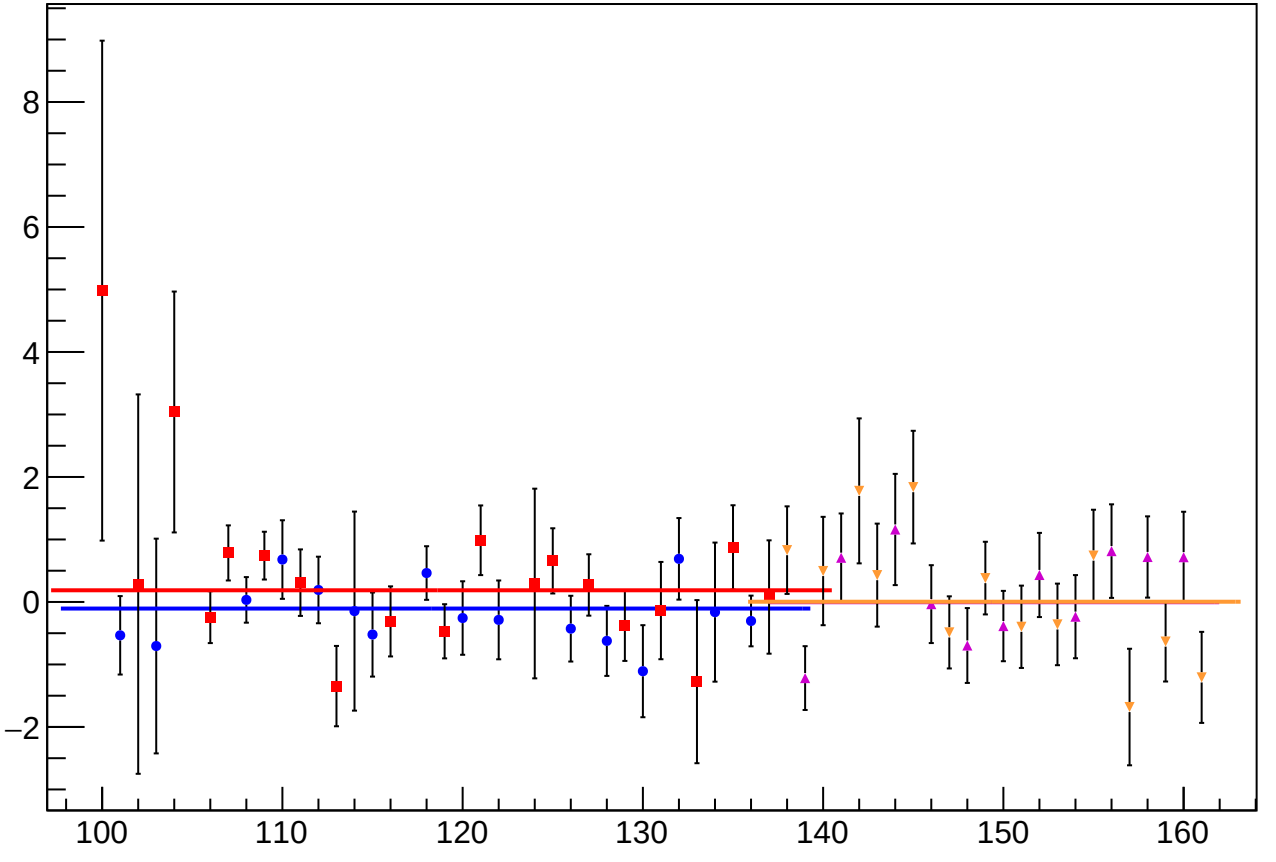
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:10212555.7/26

Out: 0.010+/-0.000 χ^2/NDF:11276063.3/31

All: 0.011+/-0.000 χ^2/NDF: 21579764.6/58

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.004+/-0.196 χ^2/NDF:14.1/10

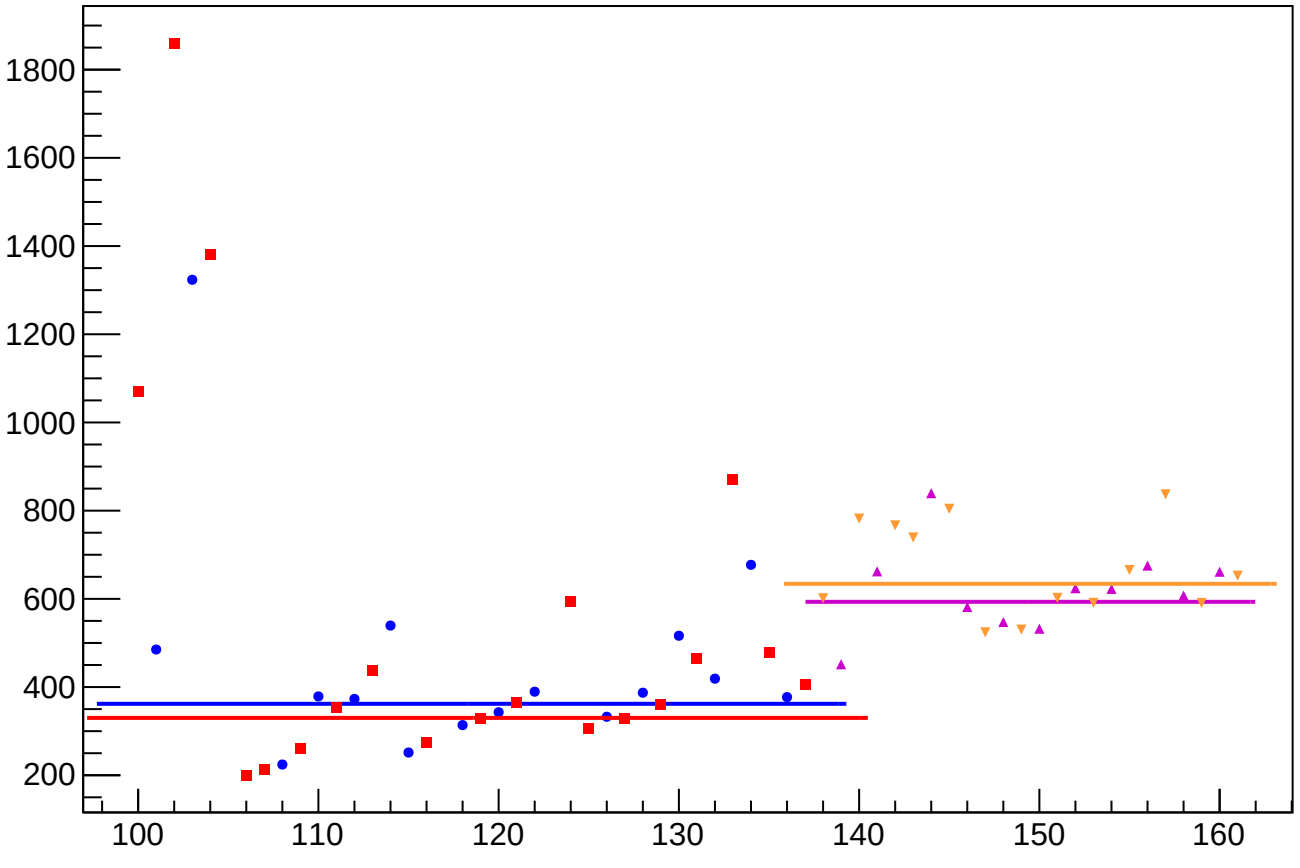
Left: -0.000+/-0.140 χ^2/NDF: 32.4/23

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.129+/-0.113 χ^2/NDF:42.7/31

All: 0.032+/-0.081 χ^2/NDF: 68.2/58



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 634.101+/-0.142 χ^2/NDF:451226.5/12

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

Left: 613.138+/-0.099 χ^2/NDF: 906305.1/23

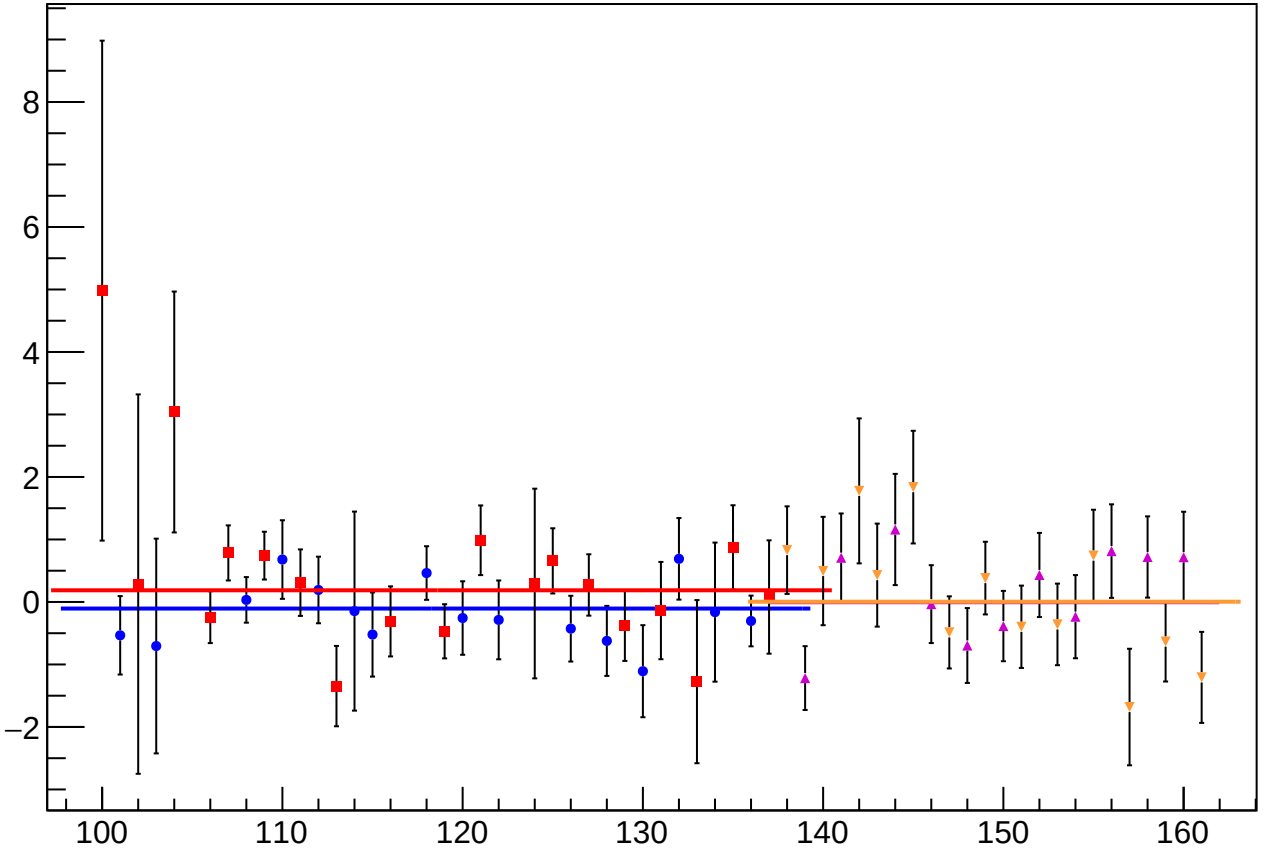
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 443.769+/-0.082 χ^2/NDF:3595639.3/26

Out: 426.953+/-0.080 χ^2/NDF:5817163.6/31

All: 435.148+/-0.057 χ^2/NDF: 9434224.7/58

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: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.004+/-0.196 χ^2/NDF:14.1/10

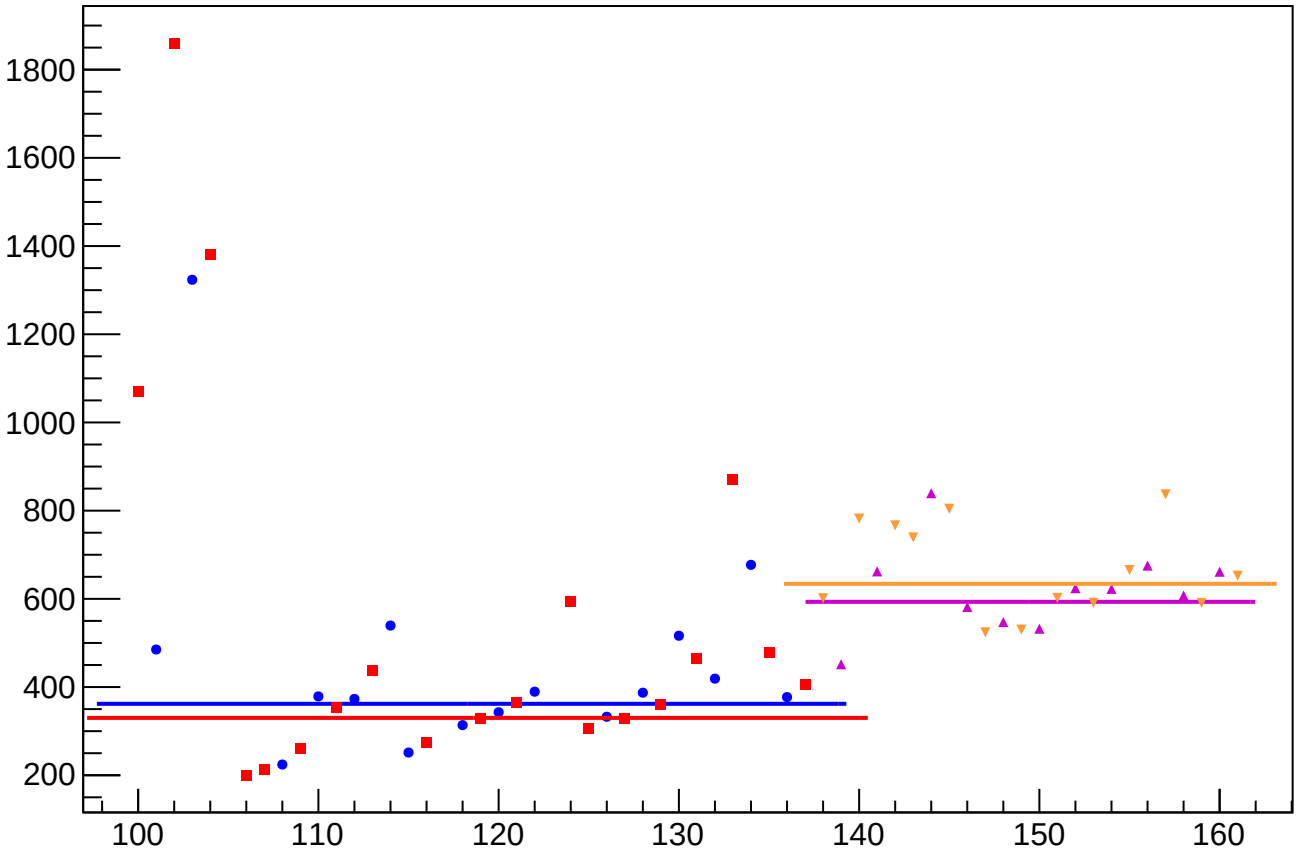
Left: -0.000+/-0.140 χ^2/NDF: 32.4/23

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.070+/-0.116 χ^2/NDF:24.0/26

Out: 0.129+/-0.113 χ^2/NDF:42.7/31

All: 0.032+/-0.081 χ^2/NDF: 68.2/58



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 634.101+/-0.142 χ^2/NDF:451226.5/12

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

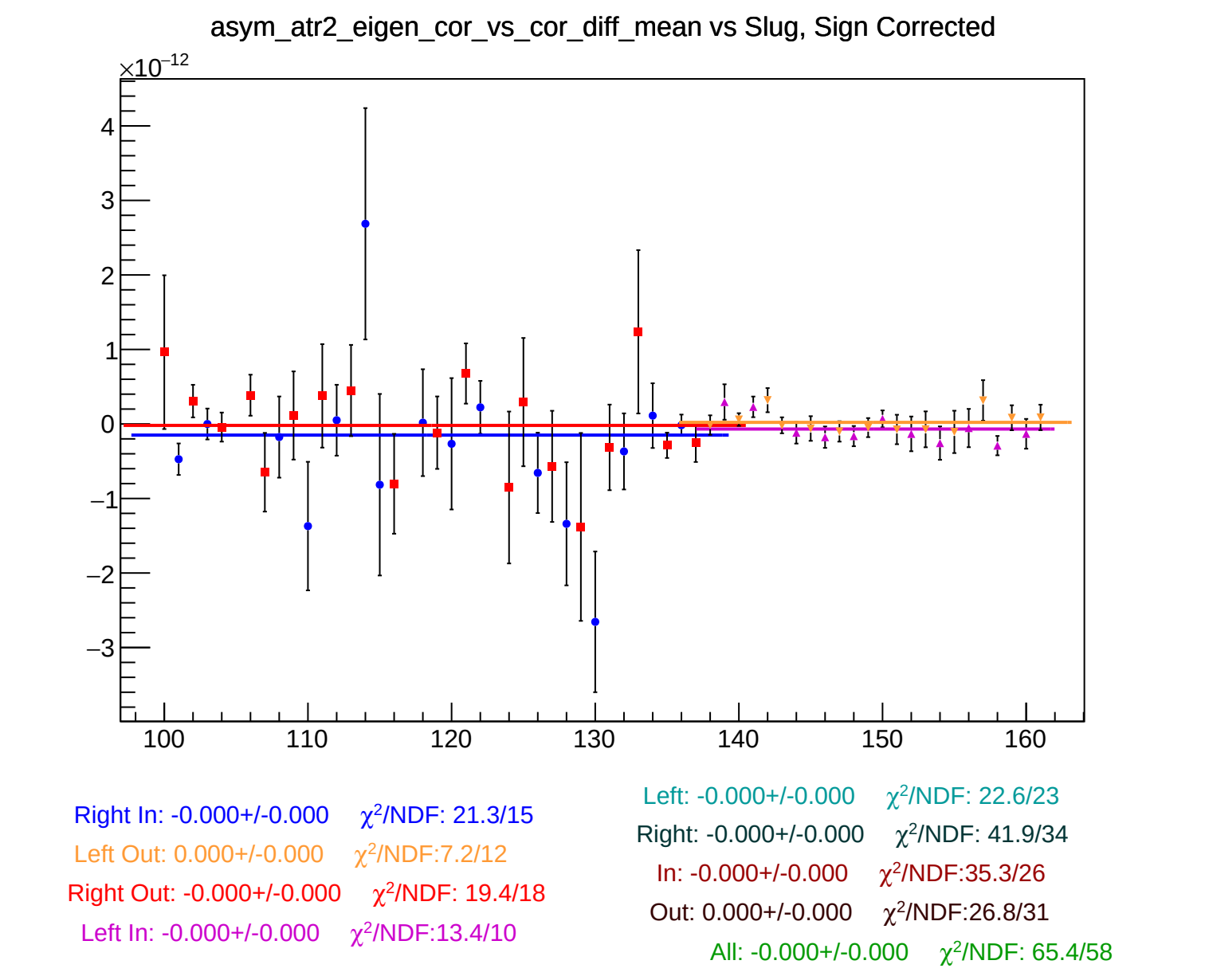
Left: 613.138+/-0.099 χ^2/NDF: 906305.1/23

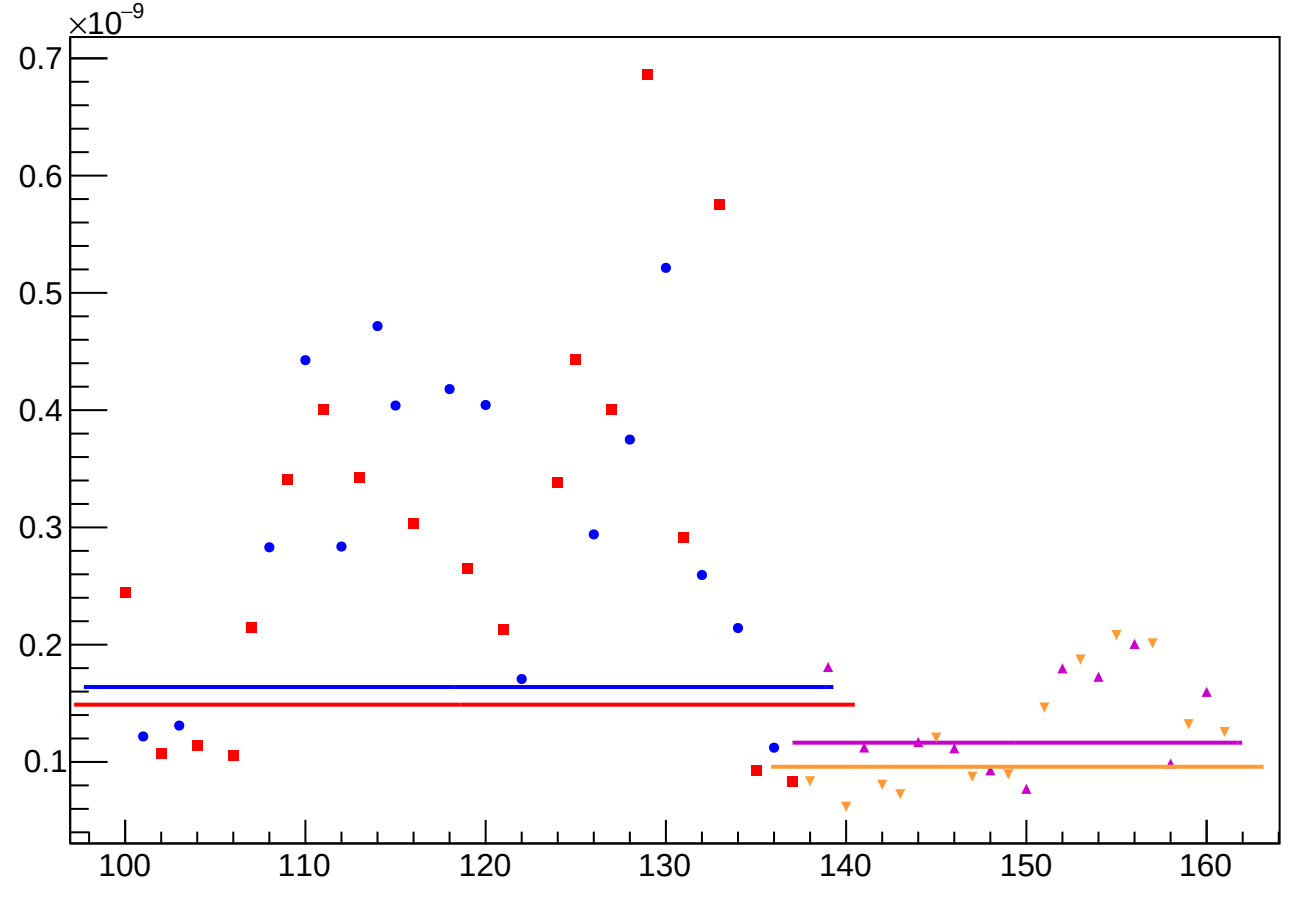
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 443.769+/-0.082 χ^2/NDF:3595639.3/26

Out: 426.953+/-0.080 χ^2/NDF:5817163.6/31

All: 435.148+/-0.057 χ^2/NDF: 9434224.7/58


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.2/12
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/10
Left: -0.000+/-0.000 χ²/NDF: 22.6/23
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:35.3/26
Out: 0.000+/-0.000 χ²/NDF:26.8/31
All: -0.000+/-0.000 χ²/NDF: 65.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693050.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1071616.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2979013.6/23

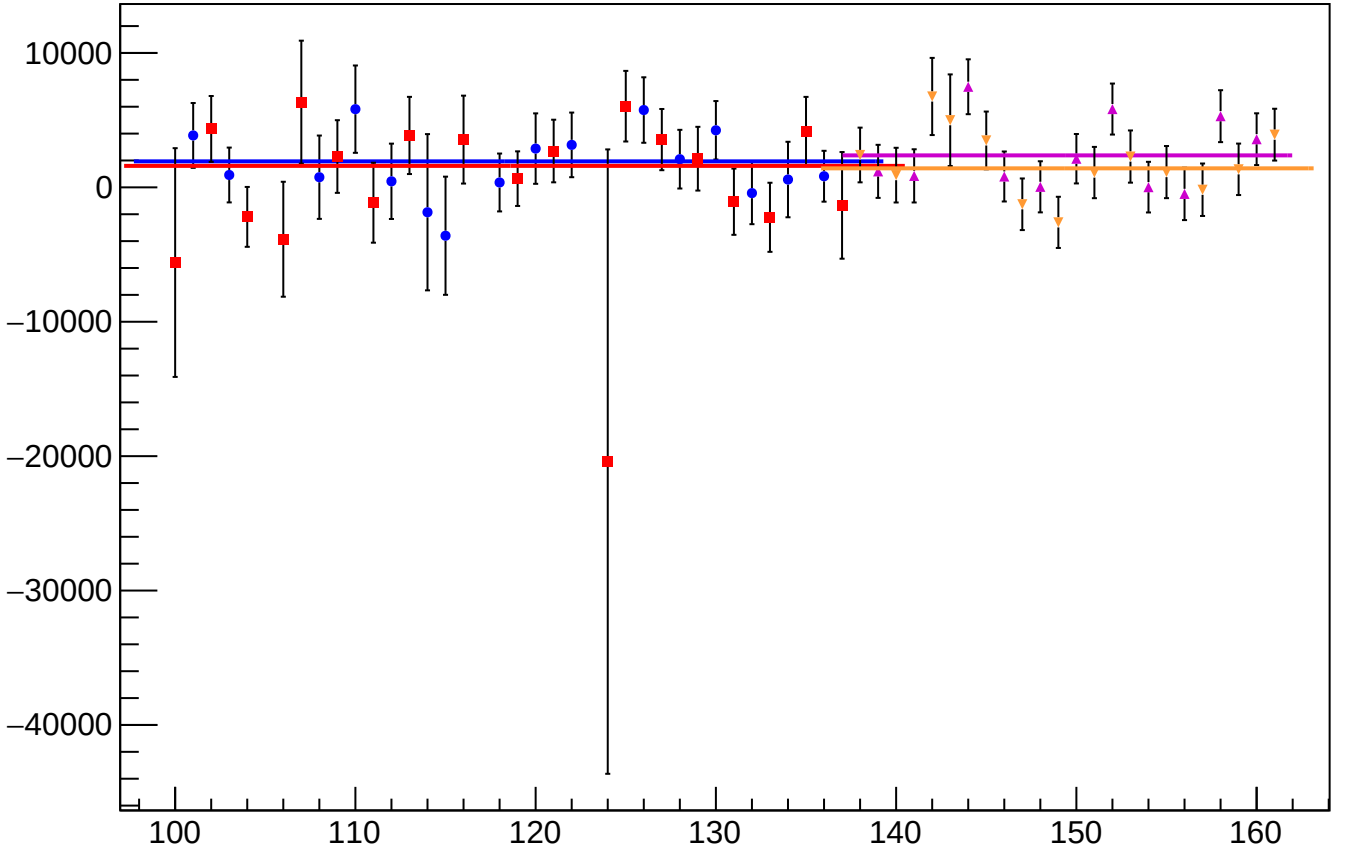
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3536875.6/26

Out: 0.000+/-0.000 χ^2/NDF:5190597.9/31

All: 0.000+/-0.000 χ^2/NDF: 9025806.8/58

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.949+/-571.238 χ^2/NDF:14.8/12

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2379.387+/-579.975 χ^2/NDF:19.2/10

Left: 1889.849+/-406.980 χ^2/NDF: 35.4/23

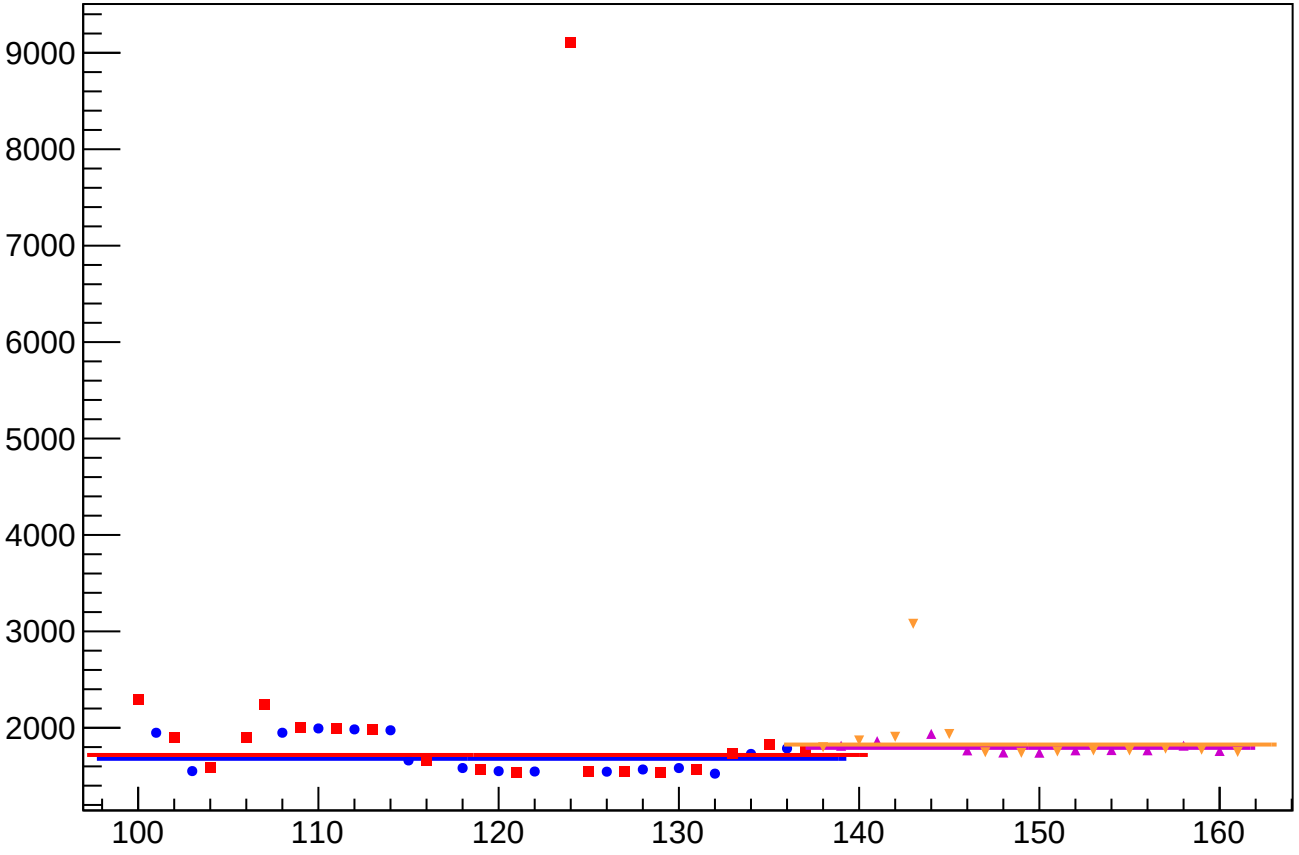
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2174.676+/-426.033 χ^2/NDF:30.3/26

Out: 1495.787+/-426.821 χ^2/NDF:34.3/31

All: 1835.859+/-301.529 χ^2/NDF: 65.8/58

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

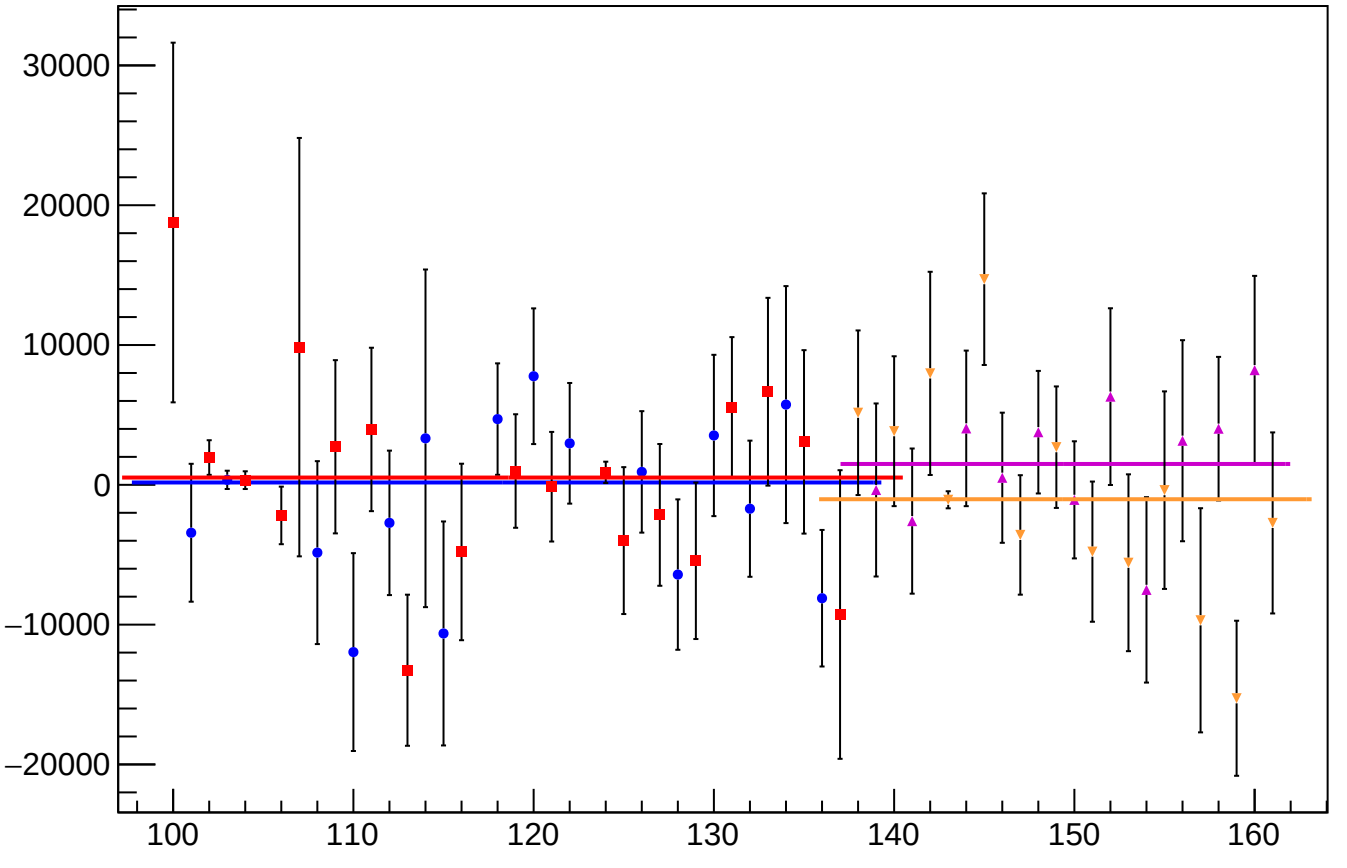
Left: 1809.547+/-0.288 χ^2/NDF: 319492.4/23

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1739.858+/-0.301 χ^2/NDF:194625.7/26

Out: 1778.404+/-0.301 χ^2/NDF:713137.2/31

All: 1759.136+/-0.213 χ^2/NDF: 915950.9/58



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1030.259+/-571.888 χ^2/NDF:20.0/12

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1492.493+/-1627.053 χ^2/NDF:5.3/10

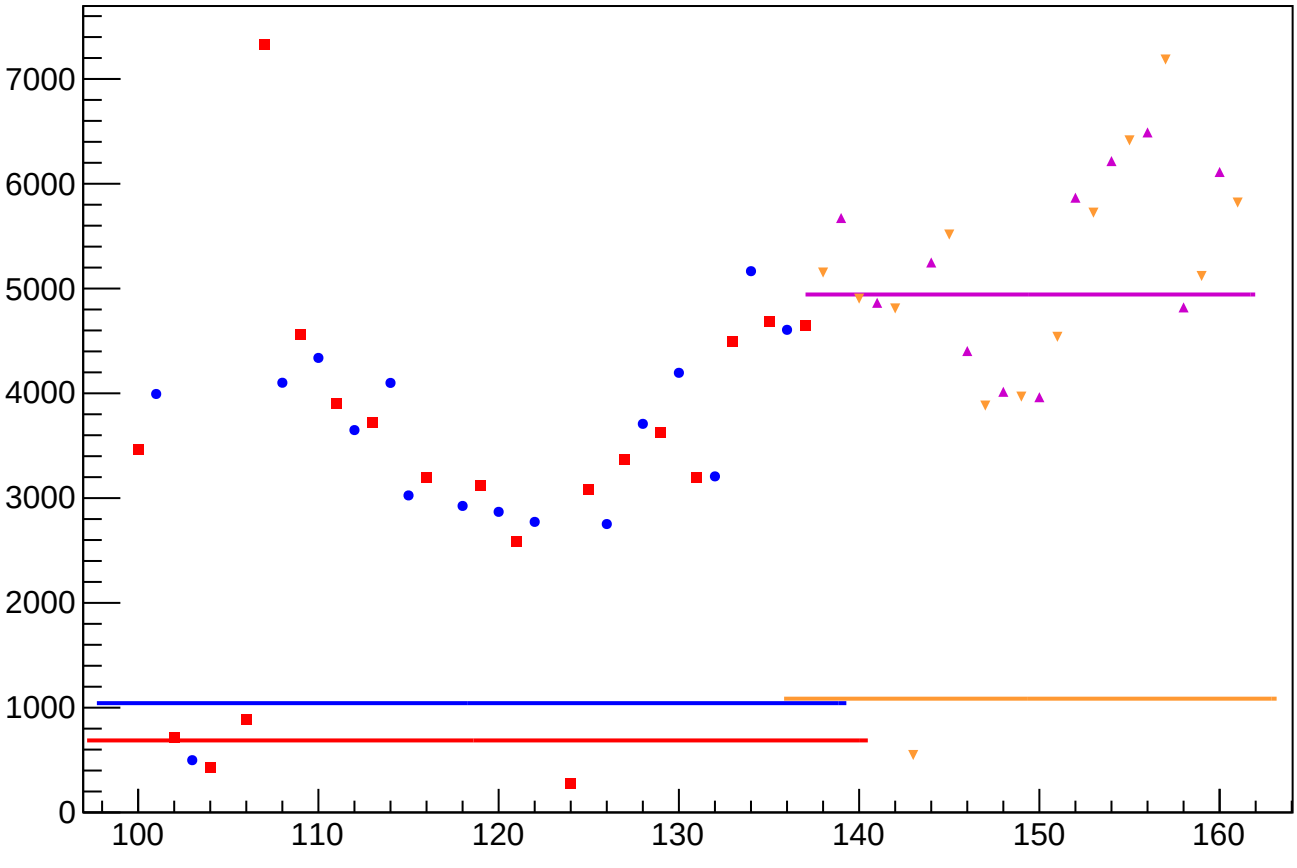
Left: -752.862+/-539.530 χ^2/NDF: 27.5/23

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 322.912+/-555.994 χ^2/NDF:21.7/26

Out: -30.499+/-341.005 χ^2/NDF:43.3/31

All: 66.104+/-290.687 χ^2/NDF: 65.4/58



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1085.851+/-0.404 χ^2/NDF:13271284.4/12

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4943.156+/-1.151 χ^2/NDF:530717.2/10

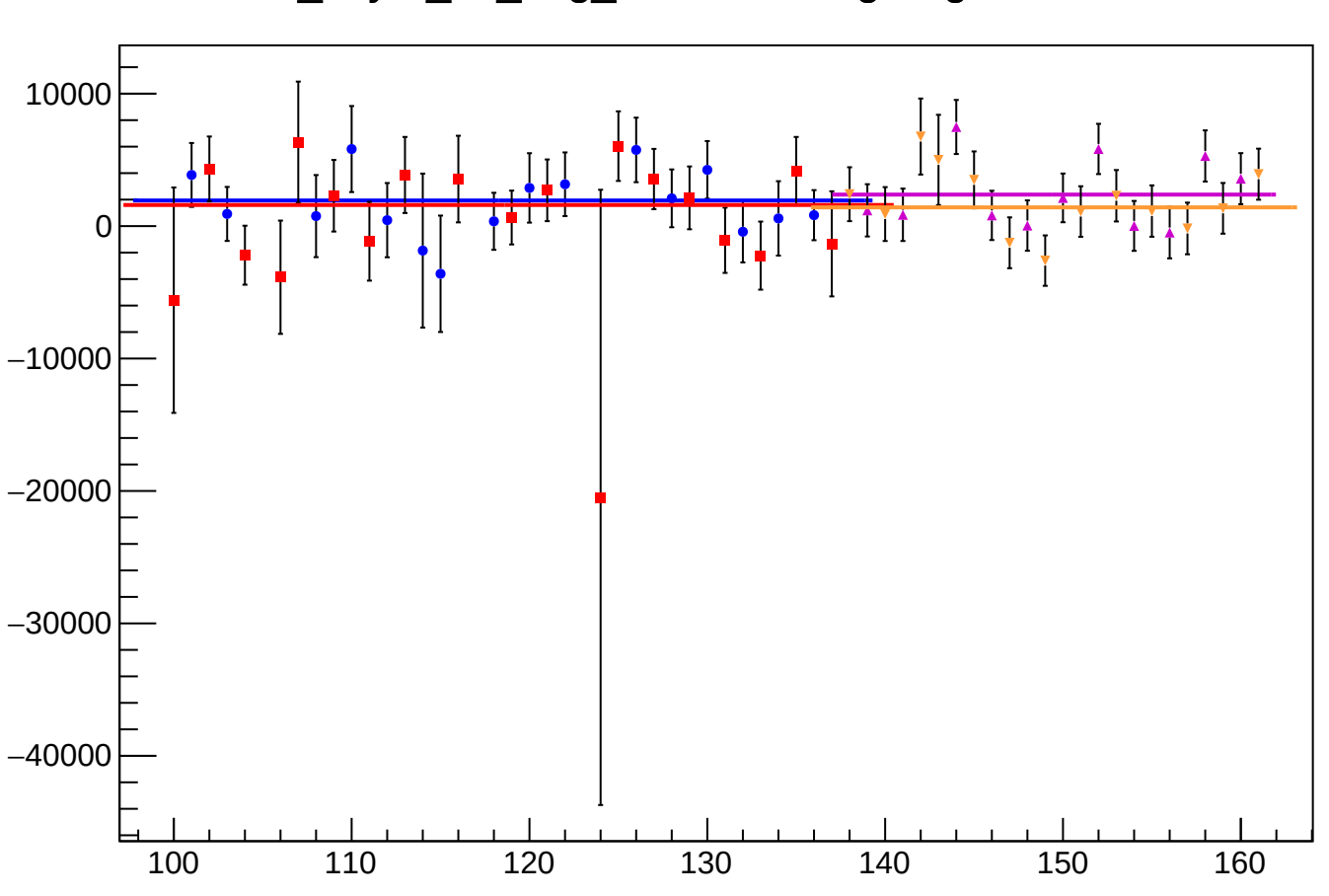
Left: 1509.994+/-0.382 χ^2/NDF: 23806715.3/23

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1498.529+/-0.393 χ^2/NDF:18791949.5/26

Out: 829.024+/-0.241 χ^2/NDF:22528710.8/31

All: 1012.030+/-0.206 χ^2/NDF: 43427962.0/5



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.960+/-571.238 χ^2/NDF:14.8/12

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2379.521+/-579.975 χ^2/NDF:19.2/10

Left: 1889.920+/-406.980 χ^2/NDF: 35.4/23

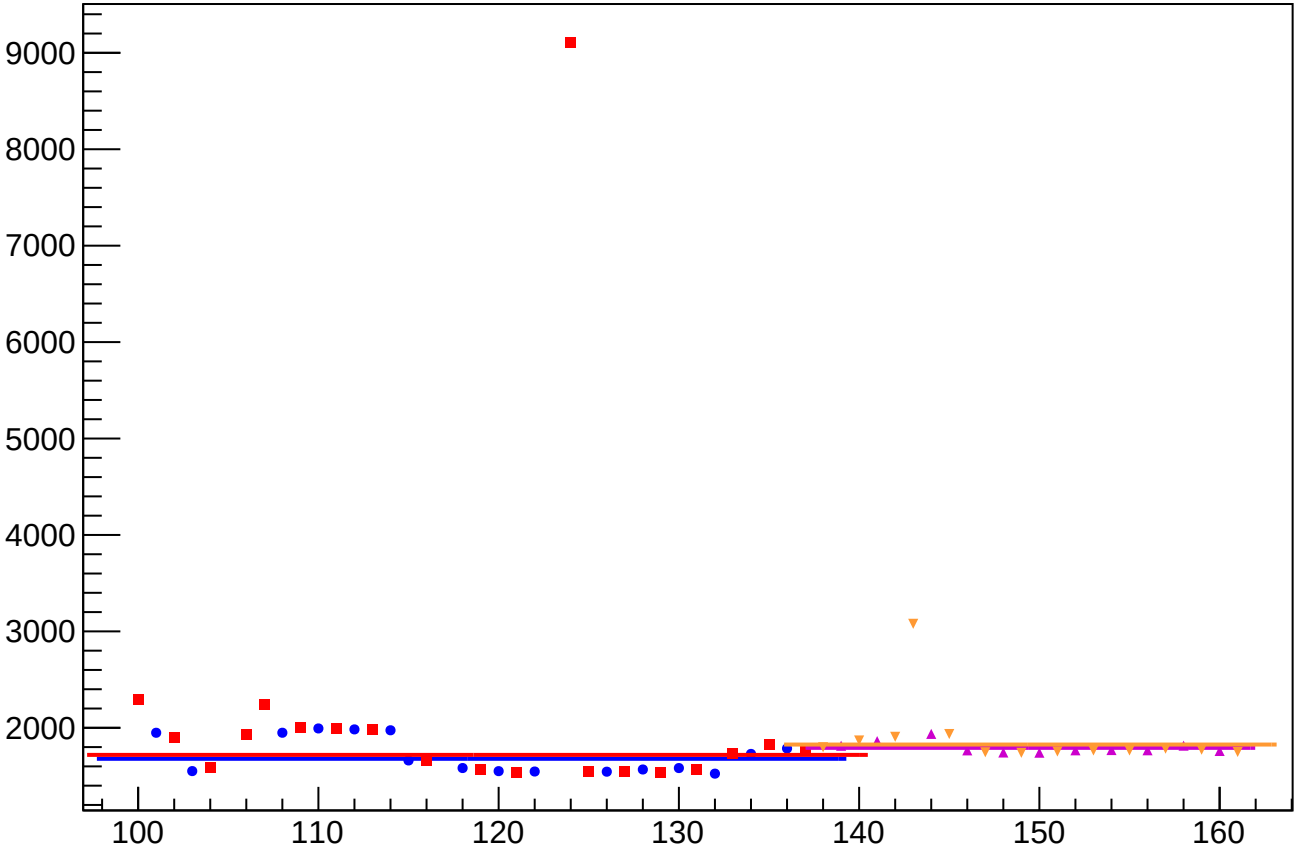
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2174.802+/-426.033 χ^2/NDF:30.3/26

Out: 1494.715+/-426.822 χ^2/NDF:34.2/31

All: 1835.388+/-301.529 χ^2/NDF: 65.8/58

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

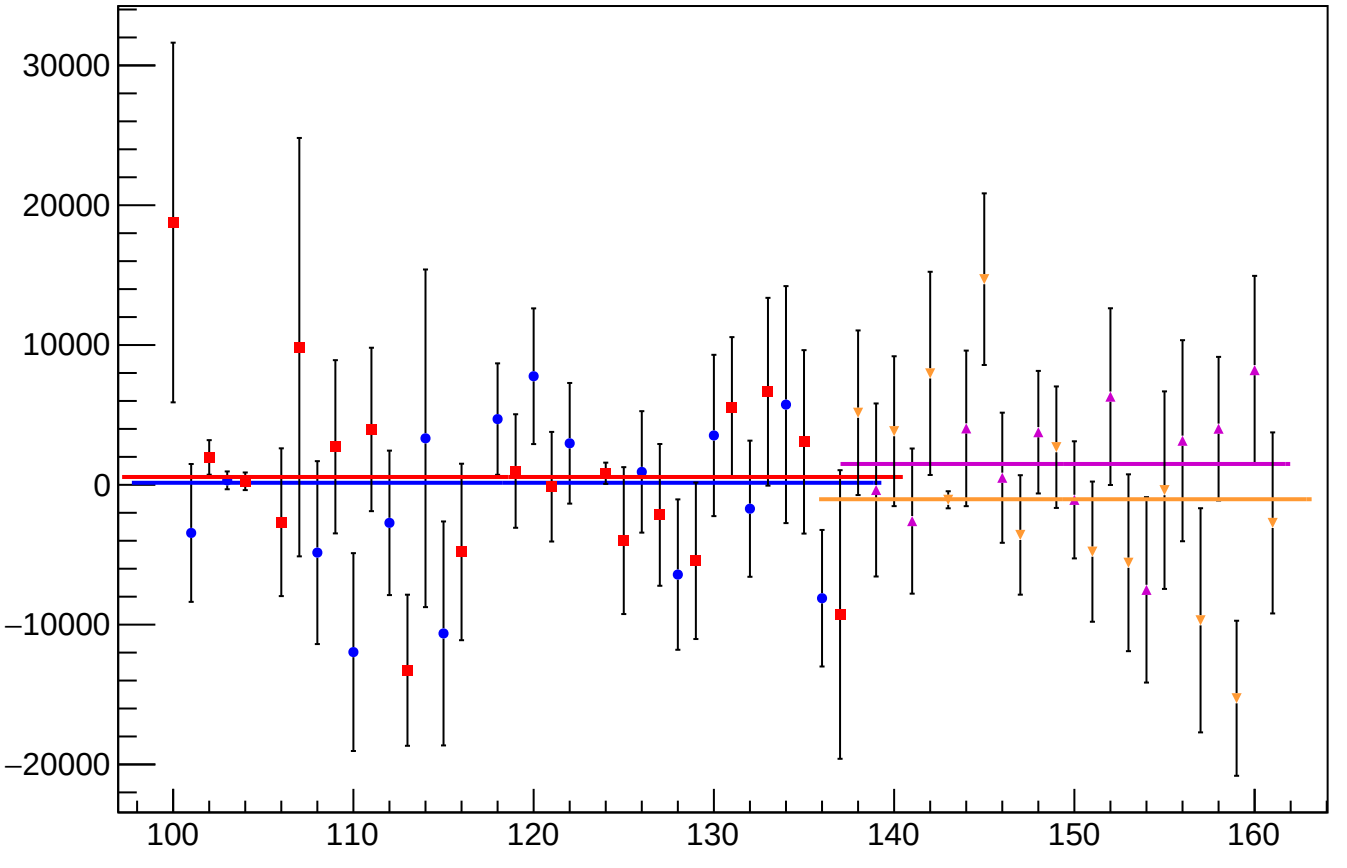
Left: 1809.547+/-0.288 χ^2/NDF: 319492.4/23

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.858+/-0.301 χ^2/NDF:194625.9/26

Out: 1778.800+/-0.301 χ^2/NDF:714374.1/31

All: 1759.330+/-0.213 χ^2/NDF: 917355.5/58



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.905+/-571.867 χ^2/NDF:20.0/12

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1492.631+/-1627.052 χ^2/NDF:5.3/10

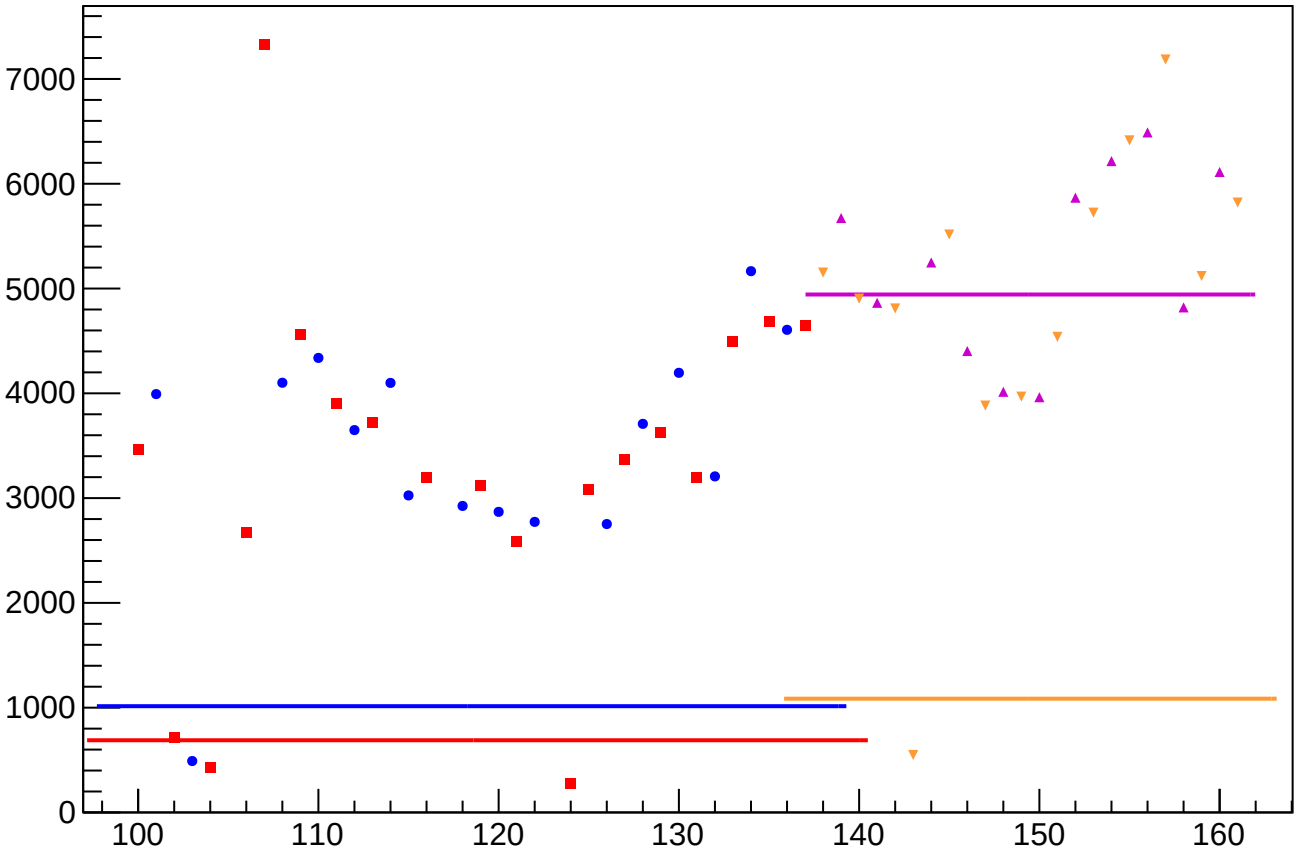
Left: -752.549+/-539.513 χ^2/NDF: 27.5/23

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 298.015+/-545.788 χ^2/NDF:21.7/26

Out: -14.375+/-343.999 χ^2/NDF:42.2/31

All: 74.440+/-291.018 χ^2/NDF: 64.2/58



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1085.793+/-0.404 χ^2/NDF:13271546.4/12

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

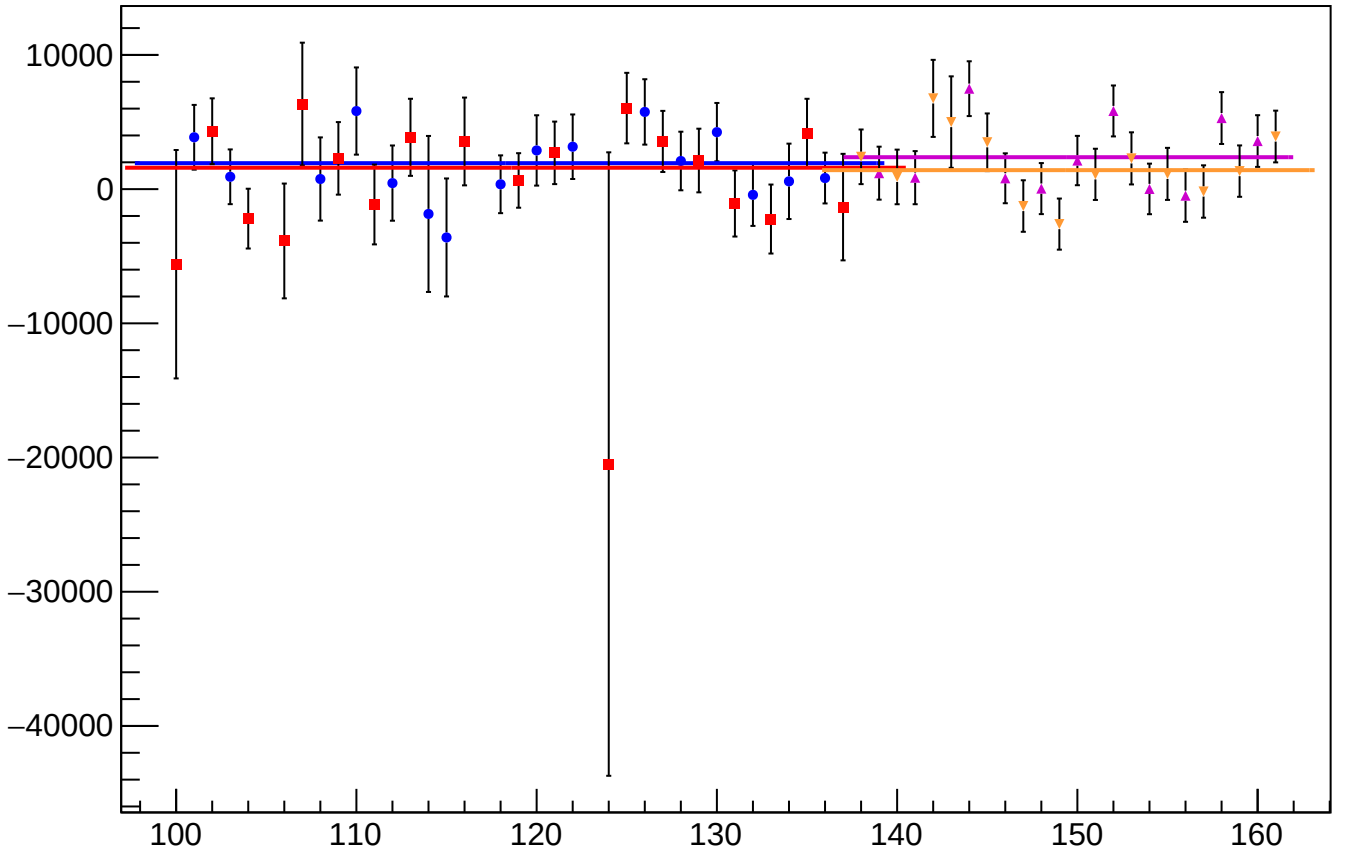
Left: 1509.915+/-0.381 χ^2/NDF: 23807361.4/23

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1456.207+/-0.386 χ^2/NDF:19104224.6/26

Out: 832.614+/-0.243 χ^2/NDF:22796201.3/31

All: 1009.908+/-0.206 χ^2/NDF: 43769001.4/5



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.960+/-571.238 χ^2/NDF:14.8/12

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2379.521+/-579.975 χ^2/NDF:19.2/10

Left: 1889.920+/-406.980 χ^2/NDF: 35.4/23

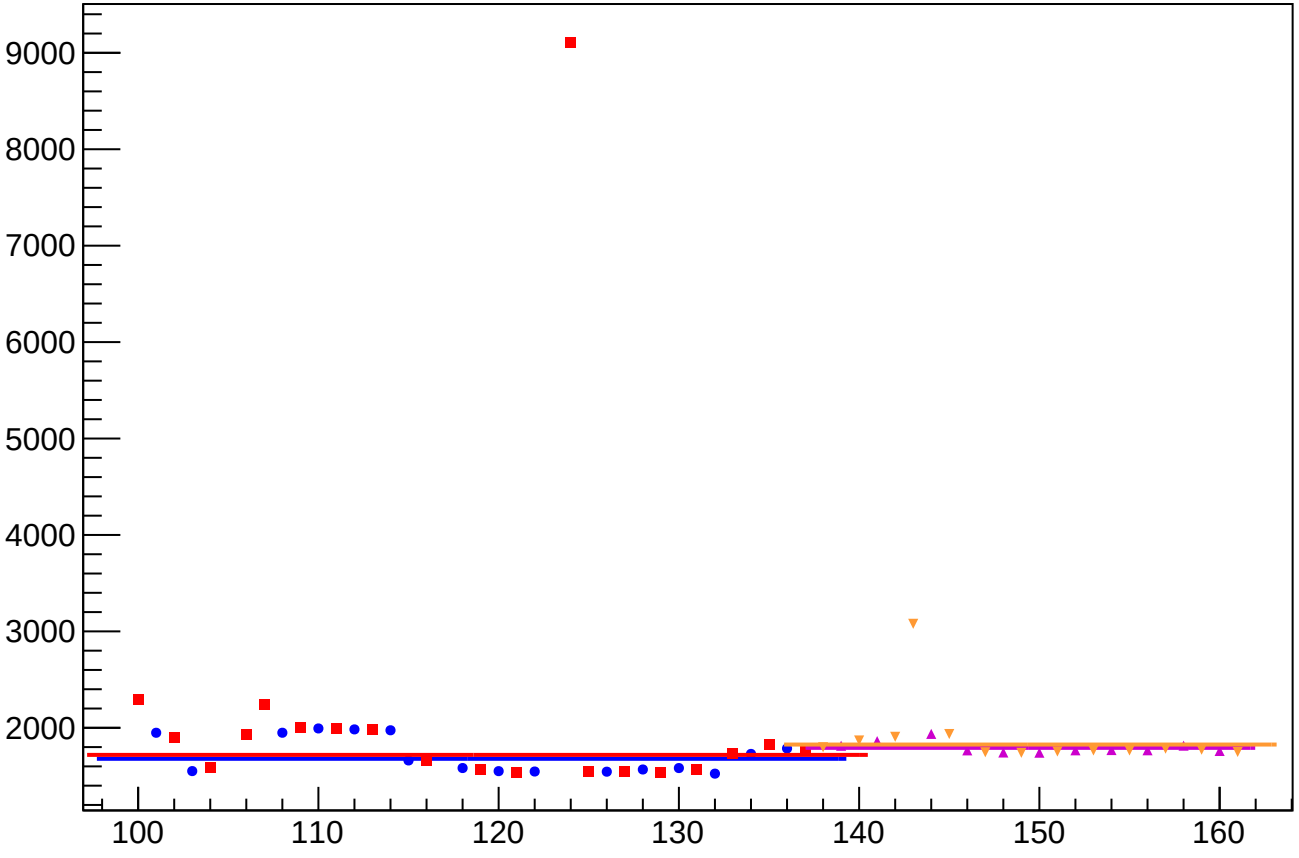
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2174.802+/-426.033 χ^2/NDF:30.3/26

Out: 1494.715+/-426.822 χ^2/NDF:34.2/31

All: 1835.388+/-301.529 χ^2/NDF: 65.8/58

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

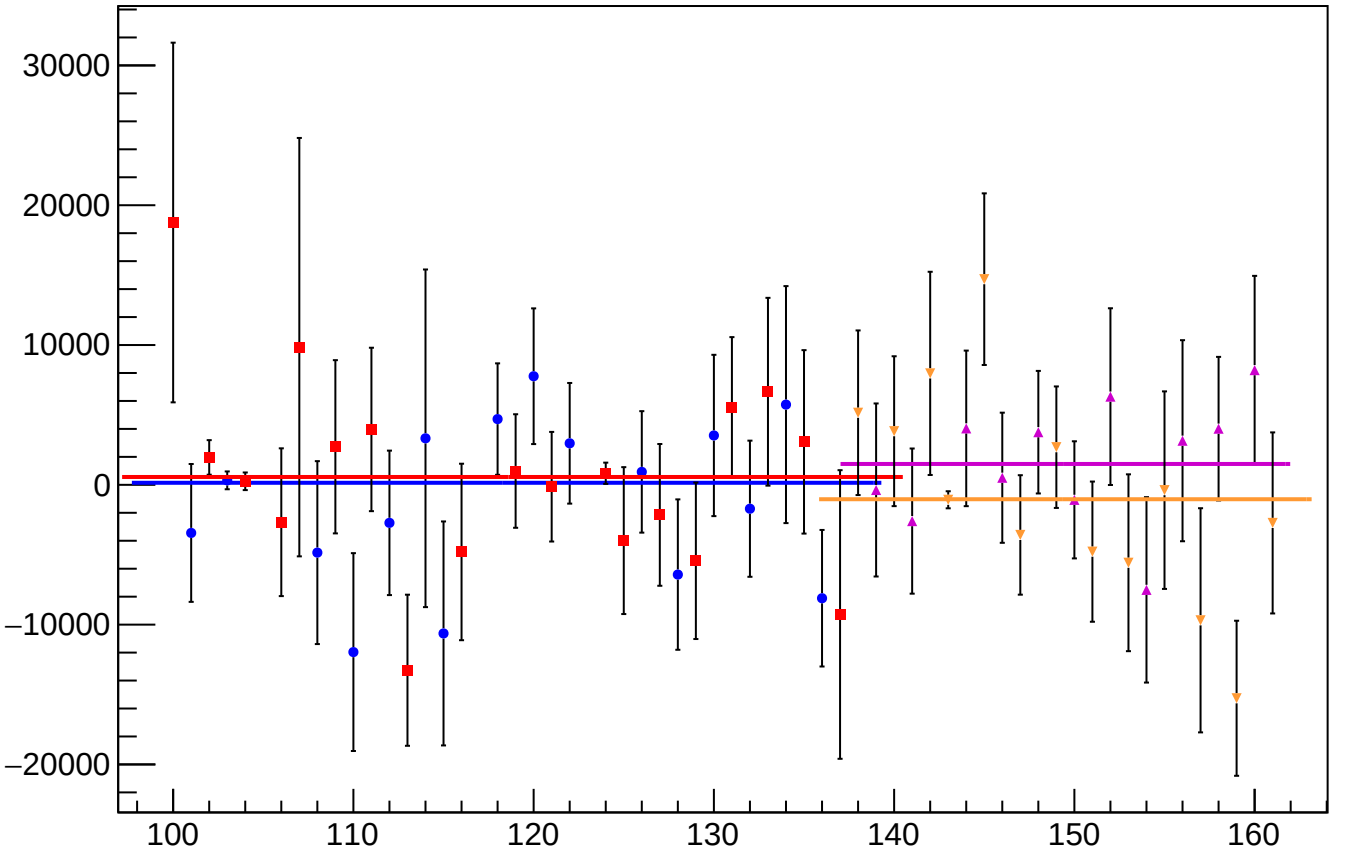
Left: 1809.547+/-0.288 χ^2/NDF: 319492.4/23

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.858+/-0.301 χ^2/NDF:194625.9/26

Out: 1778.800+/-0.301 χ^2/NDF:714374.1/31

All: 1759.330+/-0.213 χ^2/NDF: 917355.5/58



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.905+/-571.867 χ^2/NDF:20.0/12

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1492.631+/-1627.052 χ^2/NDF:5.3/10

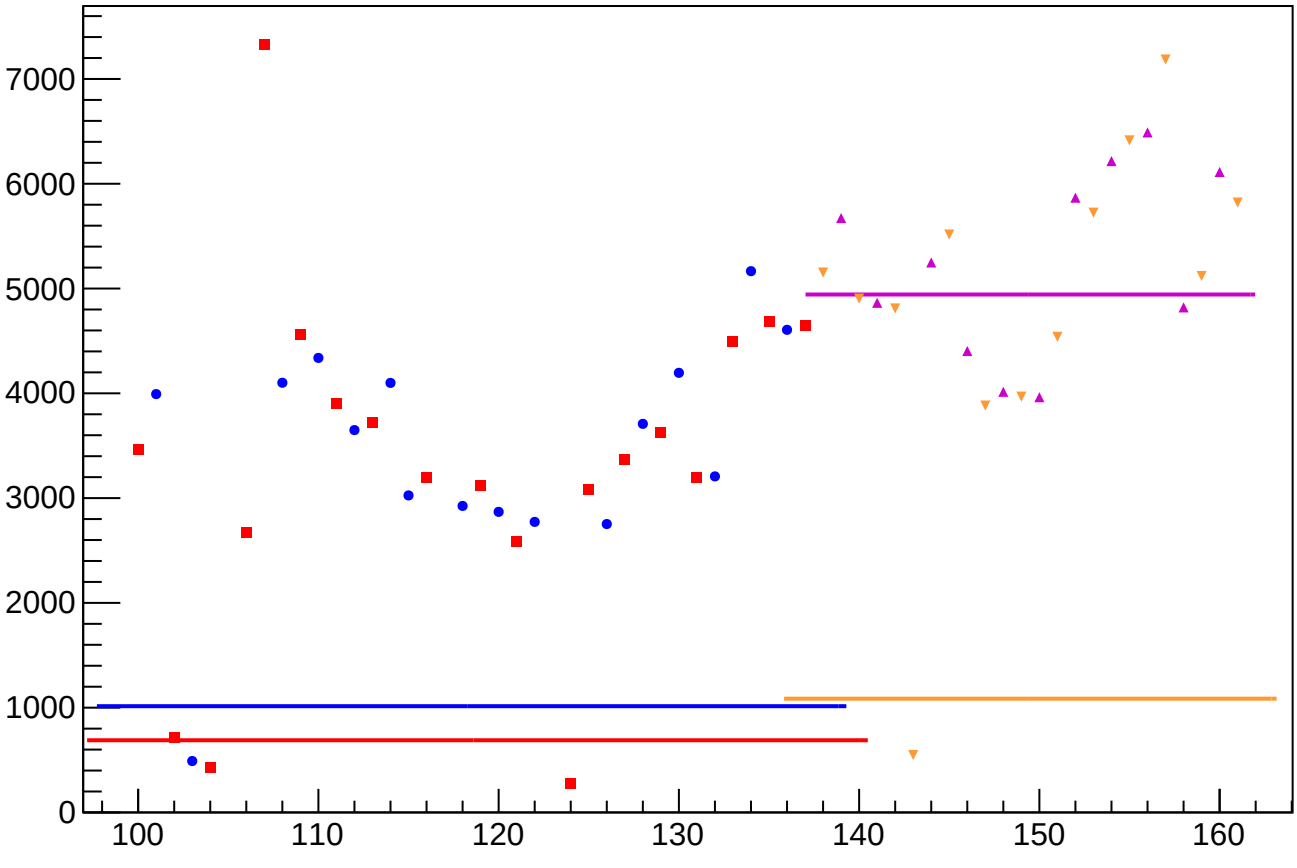
Left: -752.549+/-539.513 χ^2/NDF: 27.5/23

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 298.015+/-545.788 χ^2/NDF:21.7/26

Out: -14.375+/-343.999 χ^2/NDF:42.2/31

All: 74.440+/-291.018 χ^2/NDF: 64.2/58



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1085.793+/-0.404 χ^2/NDF:13271546.4/12

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

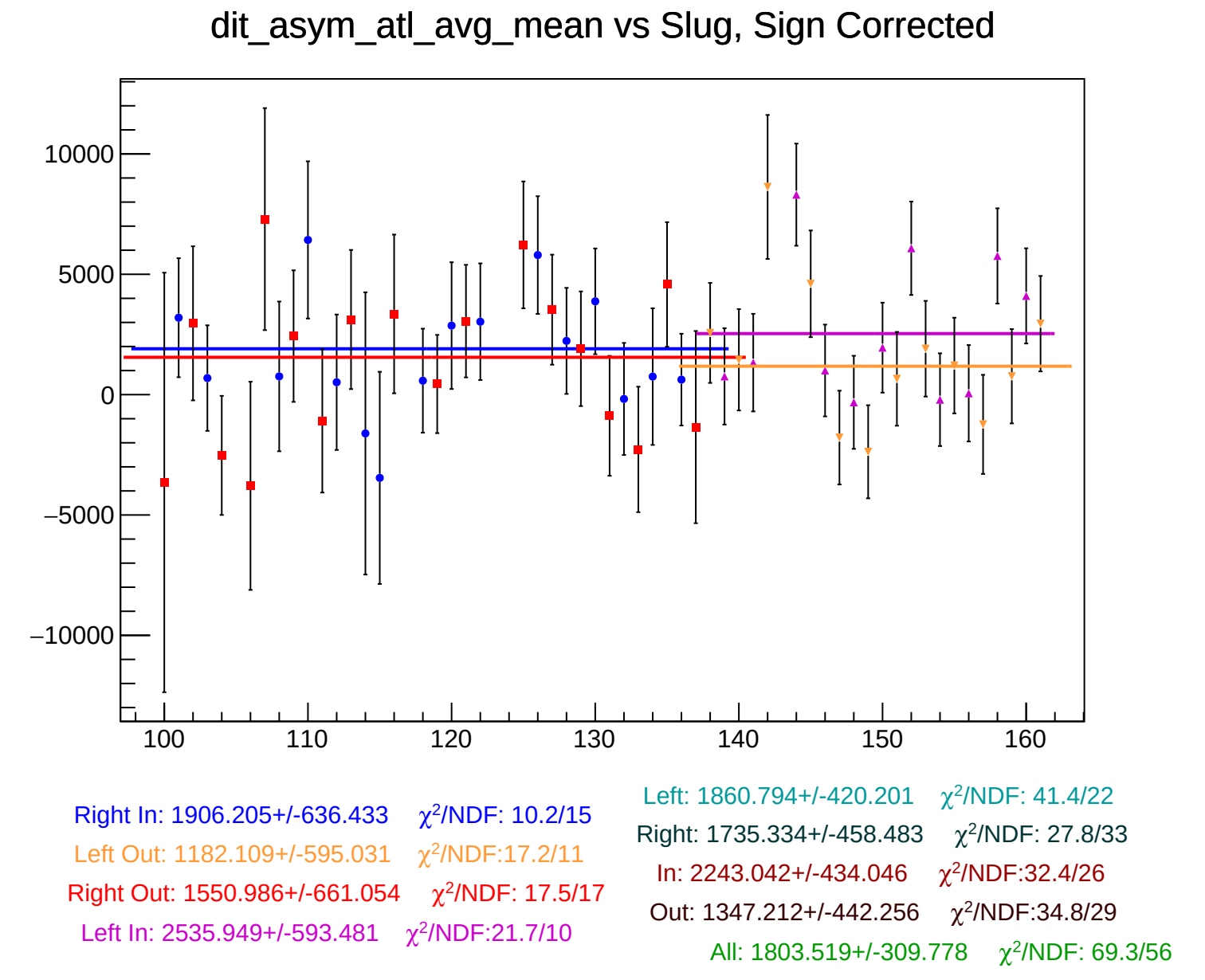
Left: 1509.915+/-0.381 χ^2/NDF: 23807361.4/23

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

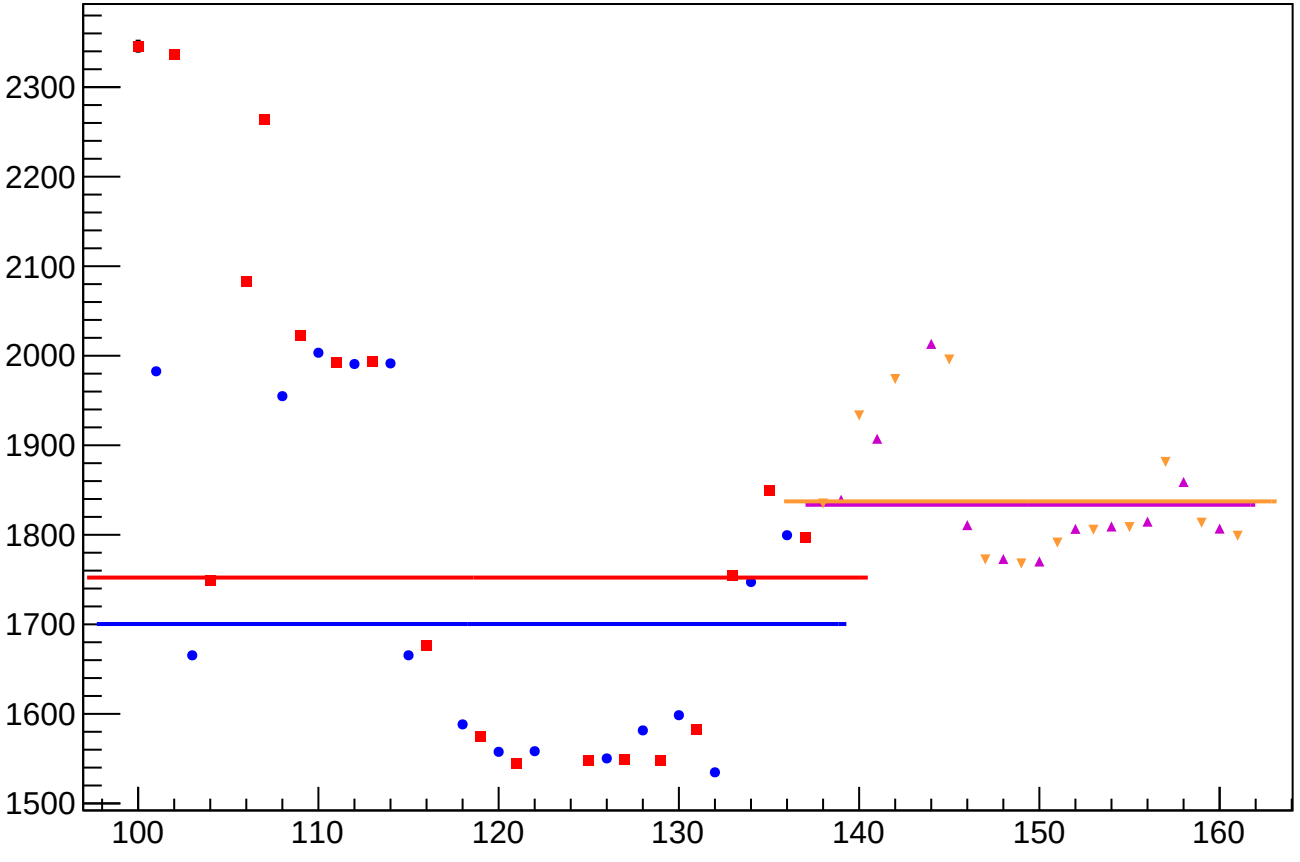
In: 1456.207+/-0.386 χ^2/NDF:19104224.6/26

Out: 832.614+/-0.243 χ^2/NDF:22796201.3/31

All: 1009.908+/-0.206 χ^2/NDF: 43769001.4/5


dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1906.205+/-636.433 χ²/NDF: 10.2/15
Left Out: 1182.109+/-595.031 χ²/NDF:17.2/11
Right Out: 1550.986+/-661.054 χ²/NDF: 17.5/17
Left In: 2535.949+/-593.481 χ²/NDF:21.7/10
Left: 1860.794+/-420.201 χ²/NDF: 41.4/22
Right: 1735.334+/-458.483 χ²/NDF: 27.8/33
In: 2243.042+/-434.046 χ²/NDF:32.4/26
Out: 1347.212+/-442.256 χ²/NDF:34.8/29
All: 1803.519+/-309.778 χ²/NDF: 69.3/56

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1837.335+/-0.421 χ^2/NDF:27354.2/11

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1833.555+/-0.420 χ^2/NDF:23127.2/10

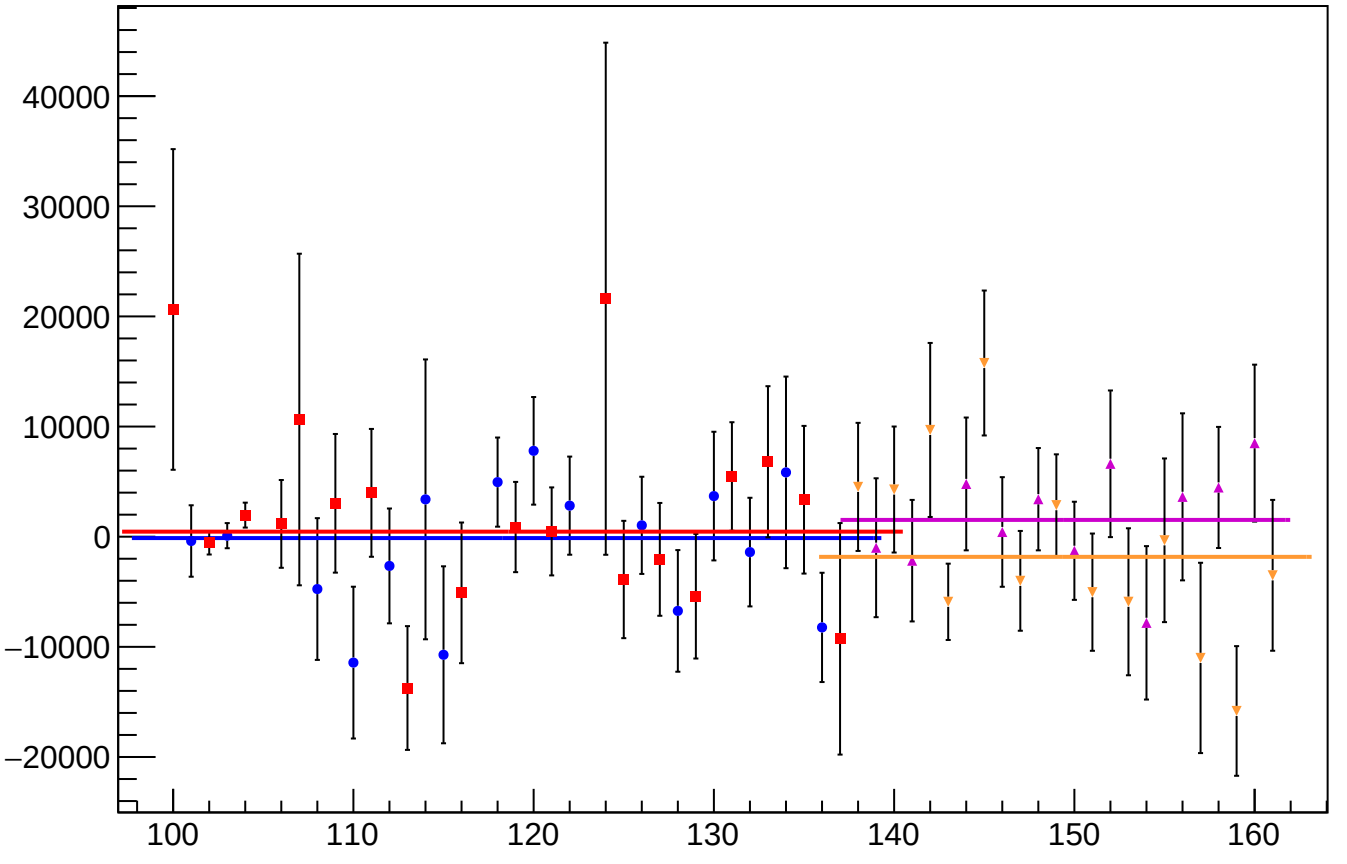
Left: 1835.440+/-0.297 χ^2/NDF: 50521.9/22

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1771.602+/-0.307 χ^2/NDF:205403.9/26

Out: 1799.152+/-0.312 χ^2/NDF:293661.5/29

All: 1785.133+/-0.219 χ^2/NDF: 503022.7/56



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1829.972+/-1547.230 χ^2/NDF:21.9/12

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1523.969+/-1725.073 χ^2/NDF:5.2/10

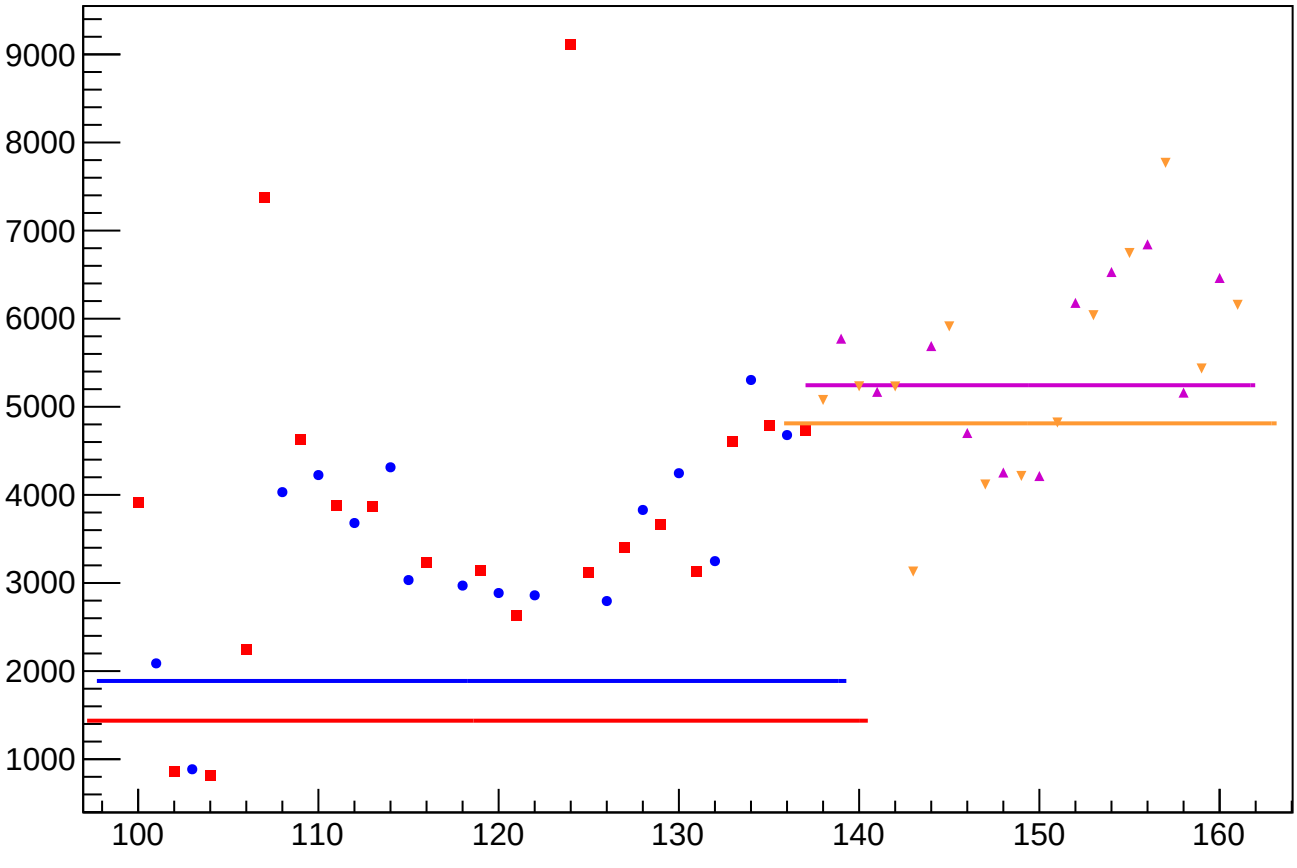
Left: -334.744+/-1151.817 χ^2/NDF: 29.2/23

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 207.548+/-775.125 χ^2/NDF:21.0/26

Out: 89.578+/-621.883 χ^2/NDF:42.2/31

All: 135.776+/-485.064 χ^2/NDF: 63.3/58



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4812.001+/-1.094 χ^2/NDF:1165590.7/12

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5244.666+/-1.220 χ^2/NDF:502481.3/10

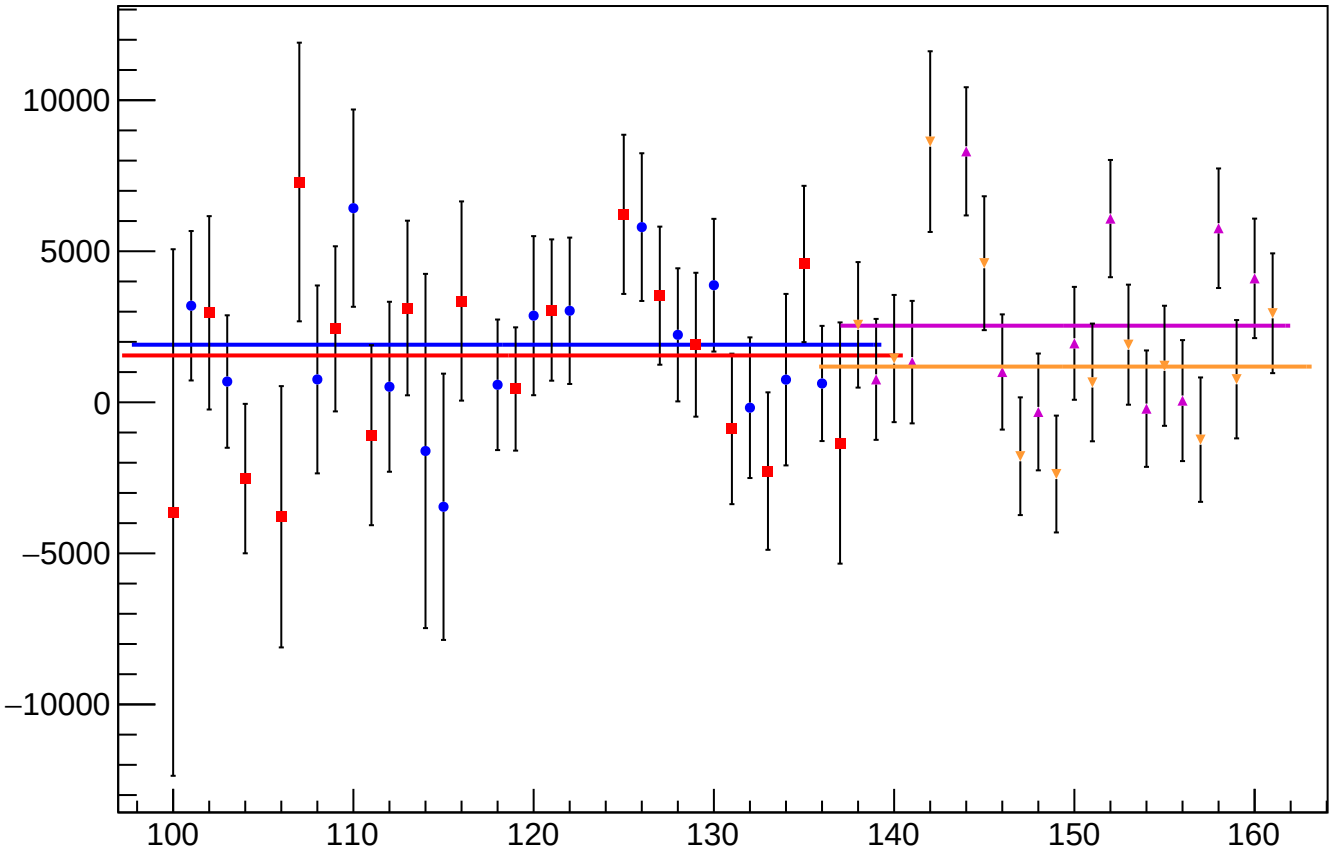
Left: 5004.888+/-0.814 χ^2/NDF: 1737795.0/23

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2565.698+/-0.548 χ^2/NDF:10971708.9/26

Out: 1982.322+/-0.440 χ^2/NDF:15108206.2/31

All: 2210.779+/-0.343 χ^2/NDF: 26769145.6/5



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1182.107+/-595.031 χ^2/NDF:17.2/11

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2535.949+/-593.482 χ^2/NDF:21.7/10

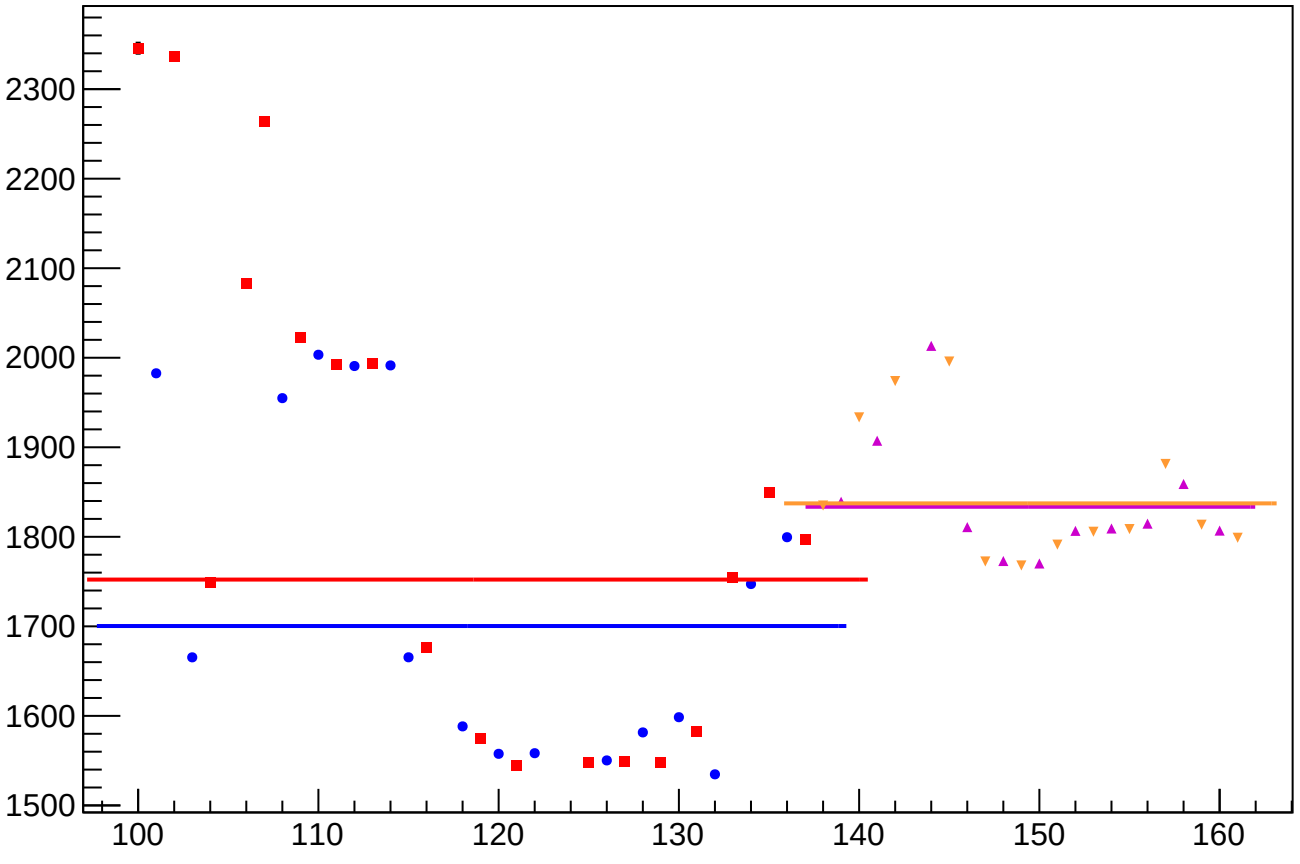
Left: 1860.793+/-420.202 χ^2/NDF: 41.4/22

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2243.042+/-434.046 χ^2/NDF:32.4/26

Out: 1347.210+/-442.256 χ^2/NDF:34.8/29

All: 1803.518+/-309.779 χ^2/NDF: 69.3/56



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1837.337+/-0.421 χ^2/NDF:27354.8/11

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1833.557+/-0.420 χ^2/NDF:23127.5/10

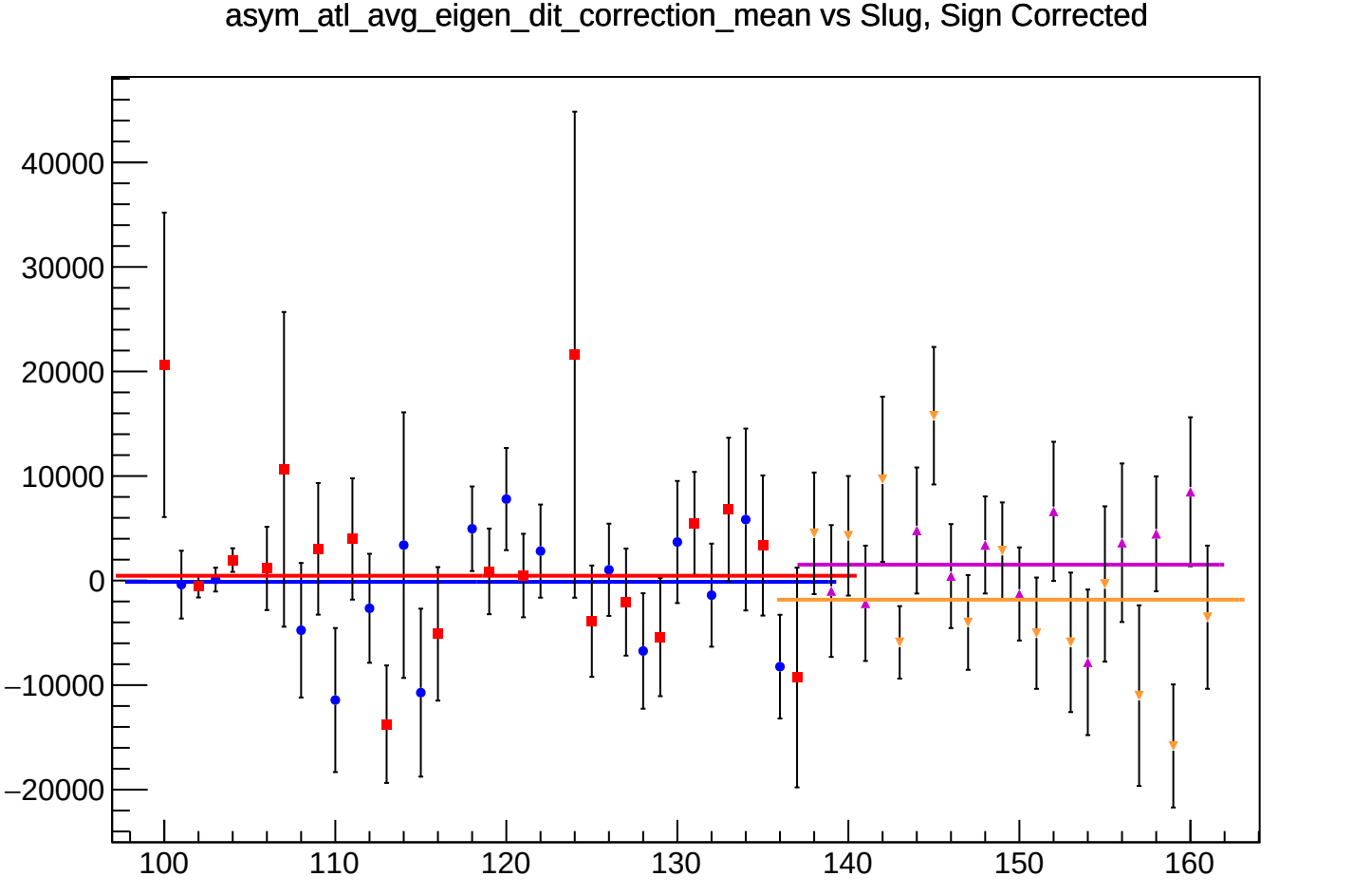
Left: 1835.442+/-0.297 χ^2/NDF: 50522.7/22

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1771.603+/-0.307 χ^2/NDF:205405.5/26

Out: 1799.152+/-0.312 χ^2/NDF:293662.3/29

All: 1785.133+/-0.219 χ^2/NDF: 503025.1/56



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1829.977+/-1547.232 χ^2/NDF:21.9/12

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1523.970+/-1725.075 χ^2/NDF:5.2/10

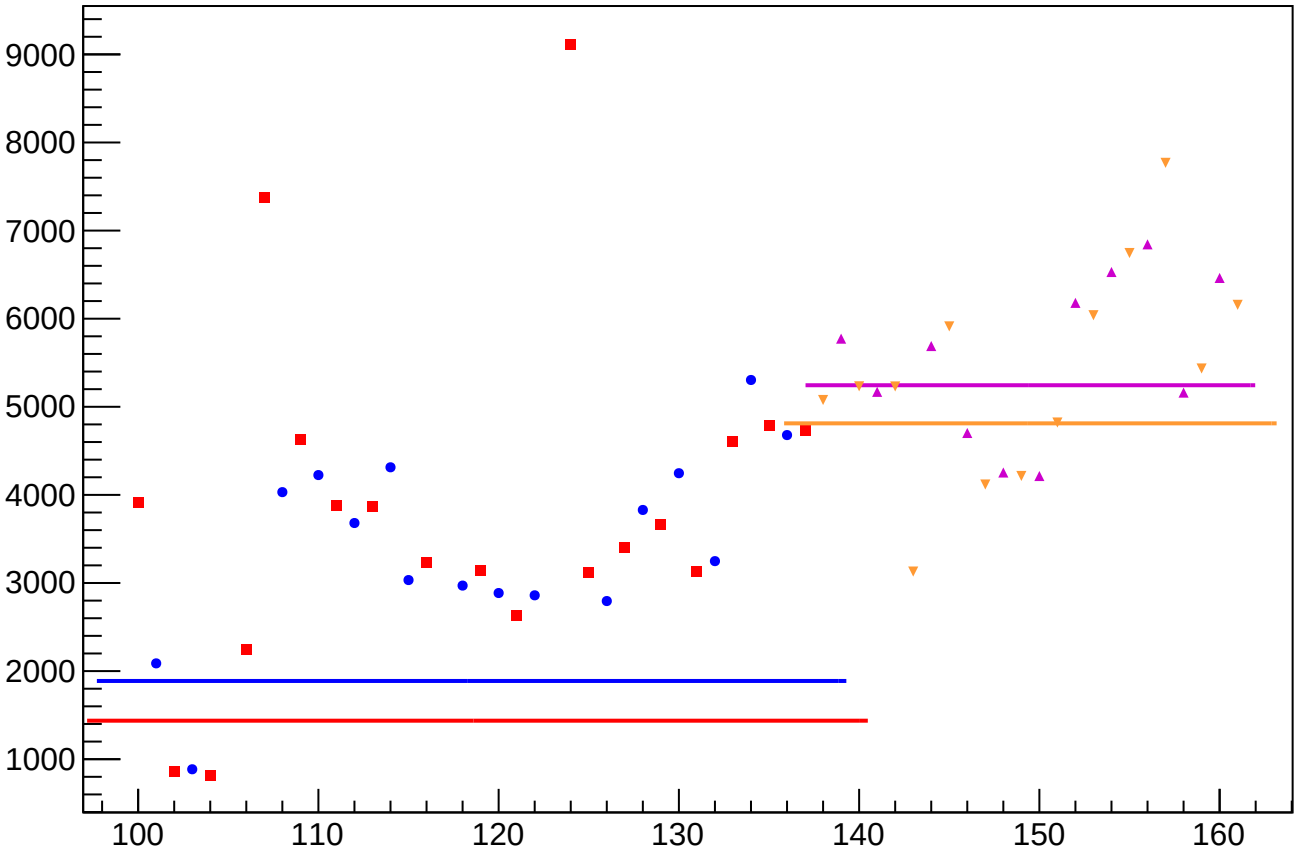
Left: -334.747+/-1151.818 χ^2/NDF: 29.2/23

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 207.547+/-775.121 χ^2/NDF:21.0/26

Out: 89.581+/-621.879 χ^2/NDF:42.2/31

All: 135.778+/-485.061 χ^2/NDF: 63.3/58



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4812.005+/-1.094 χ^2/NDF:1165597.2/12

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5244.673+/-1.220 χ^2/NDF:502484.4/10

Left: 5004.893+/-0.814 χ^2/NDF: 1737805.2/23

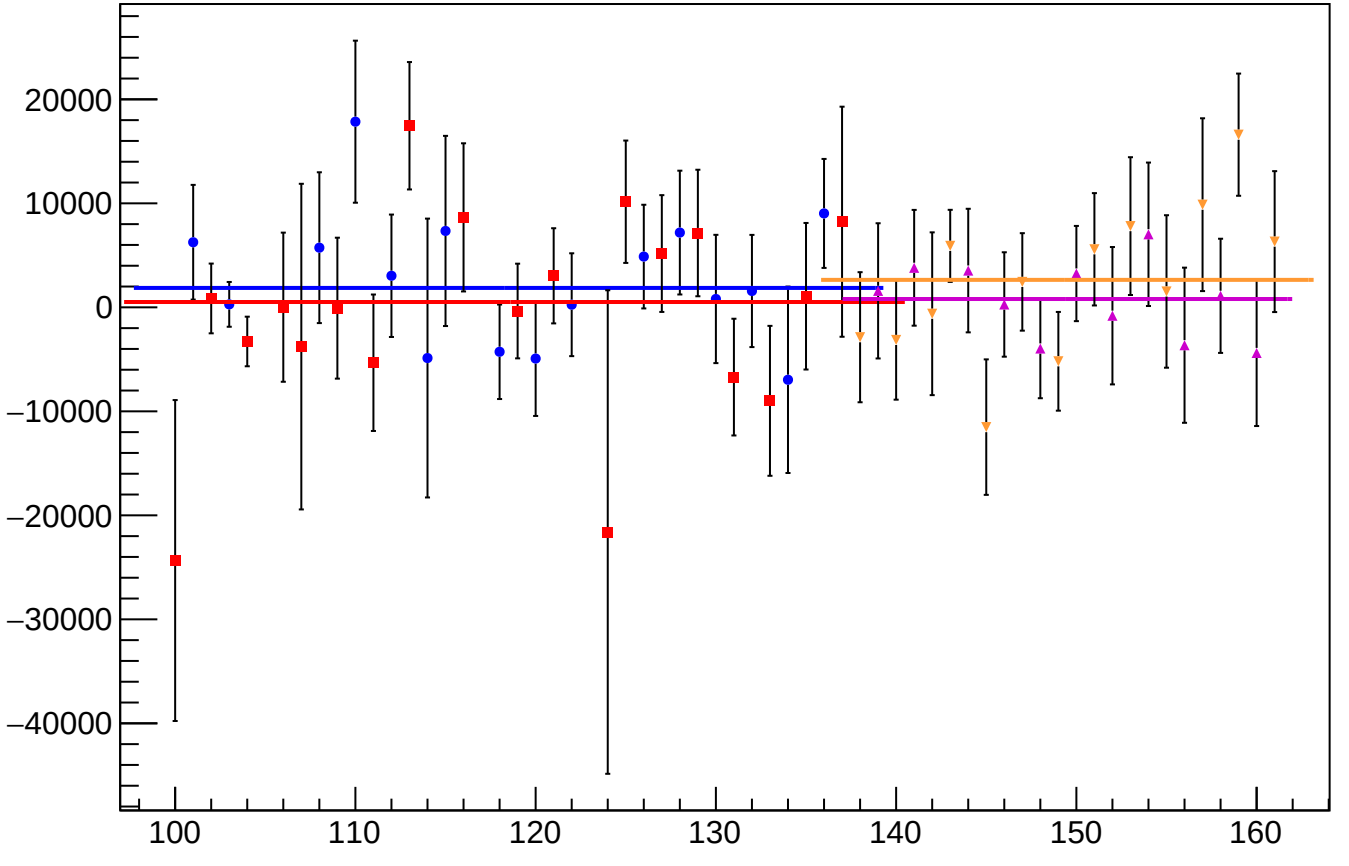
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2565.678+/-0.548 χ^2/NDF:10971834.7/26

Out: 1982.304+/-0.440 χ^2/NDF:15108336.7/31

All: 2210.759+/-0.343 χ^2/NDF: 26769404.9/5

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2641.639+/-1561.845 χ^2/NDF:17.9/12

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 800.907+/-1738.781 χ^2/NDF:3.6/10

Left: 1819.666+/-1161.926 χ^2/NDF: 22.1/23

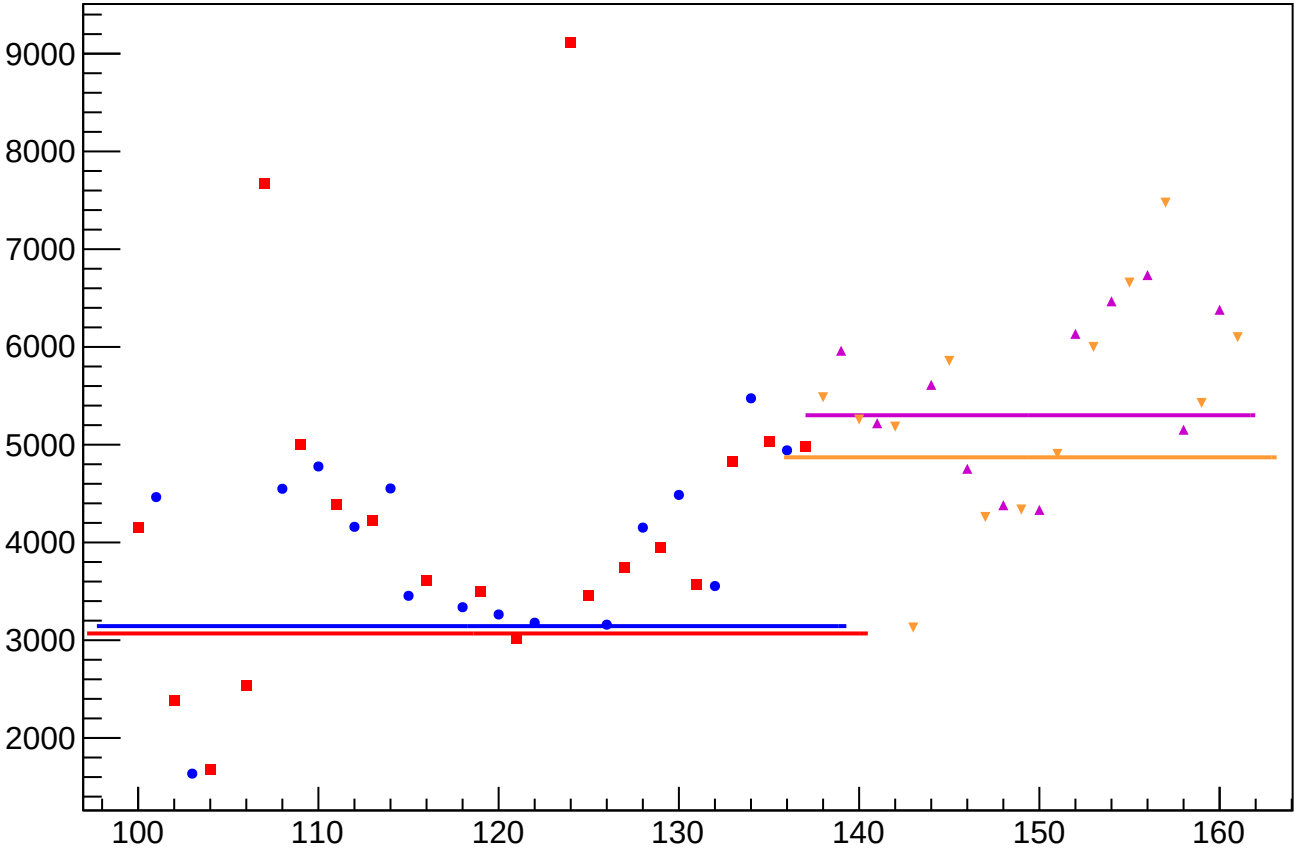
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1499.994+/-1019.849 χ^2/NDF:17.6/26

Out: 1336.932+/-971.871 χ^2/NDF:43.7/31

All: 1414.537+/-703.567 χ^2/NDF: 61.4/58

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4870.729+/-1.104 χ^2/NDF:1099074.1/12

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5301.195+/-1.230 χ^2/NDF:425278.2/10

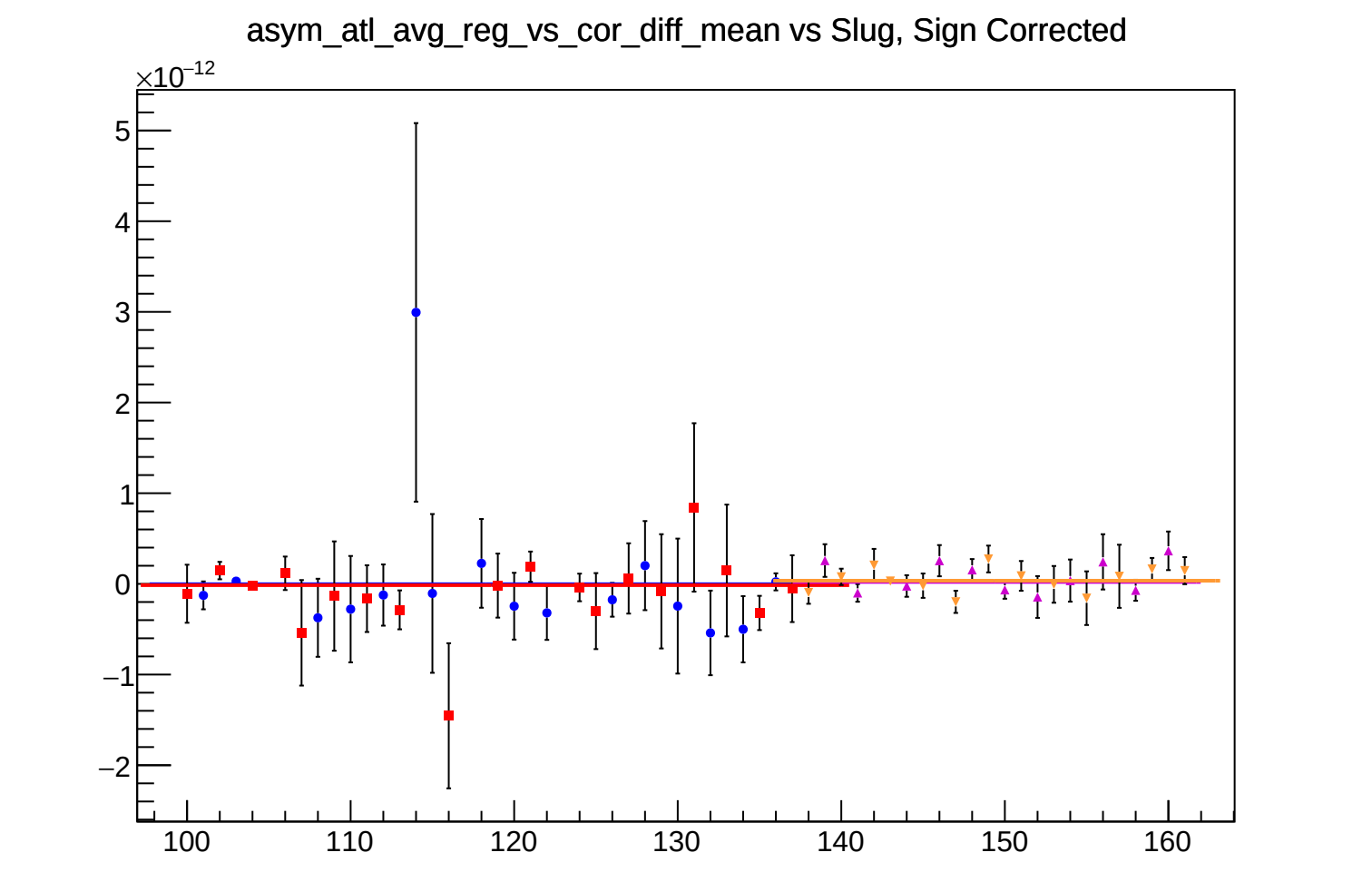
Left: 5062.952+/-0.822 χ^2/NDF: 1592194.5/23

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3886.203+/-0.721 χ^2/NDF:4327510.6/26

Out: 3753.322+/-0.681 χ^2/NDF:4631278.2/31

All: 3815.922+/-0.495 χ^2/NDF: 8976747.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/10

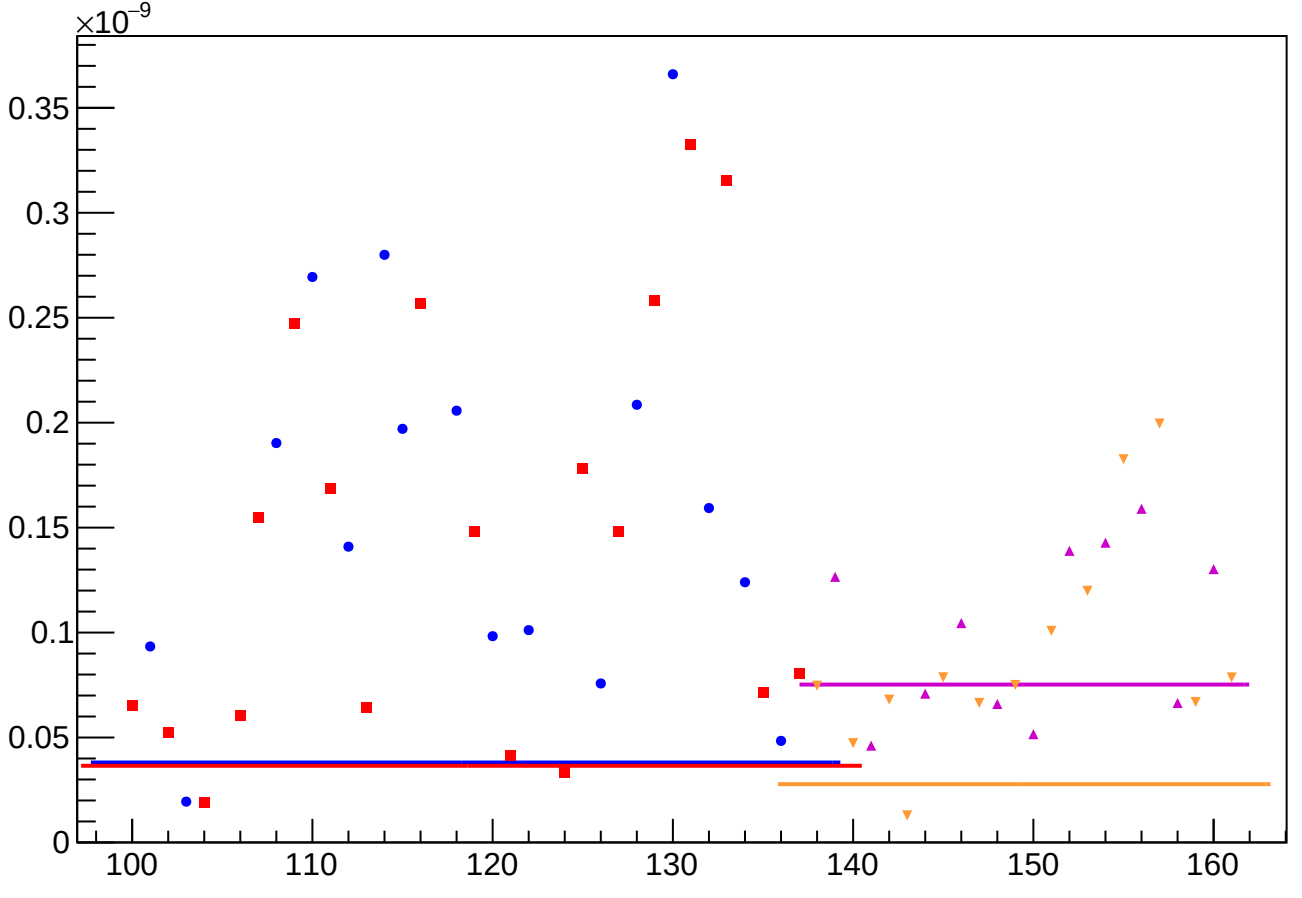
Left: 0.000+/-0.000 χ^2/NDF: 22.6/23

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:22.5/26

Out: 0.000+/-0.000 χ^2/NDF:27.5/31

All: 0.000+/-0.000 χ^2/NDF: 50.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4262735.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1148027.2/10

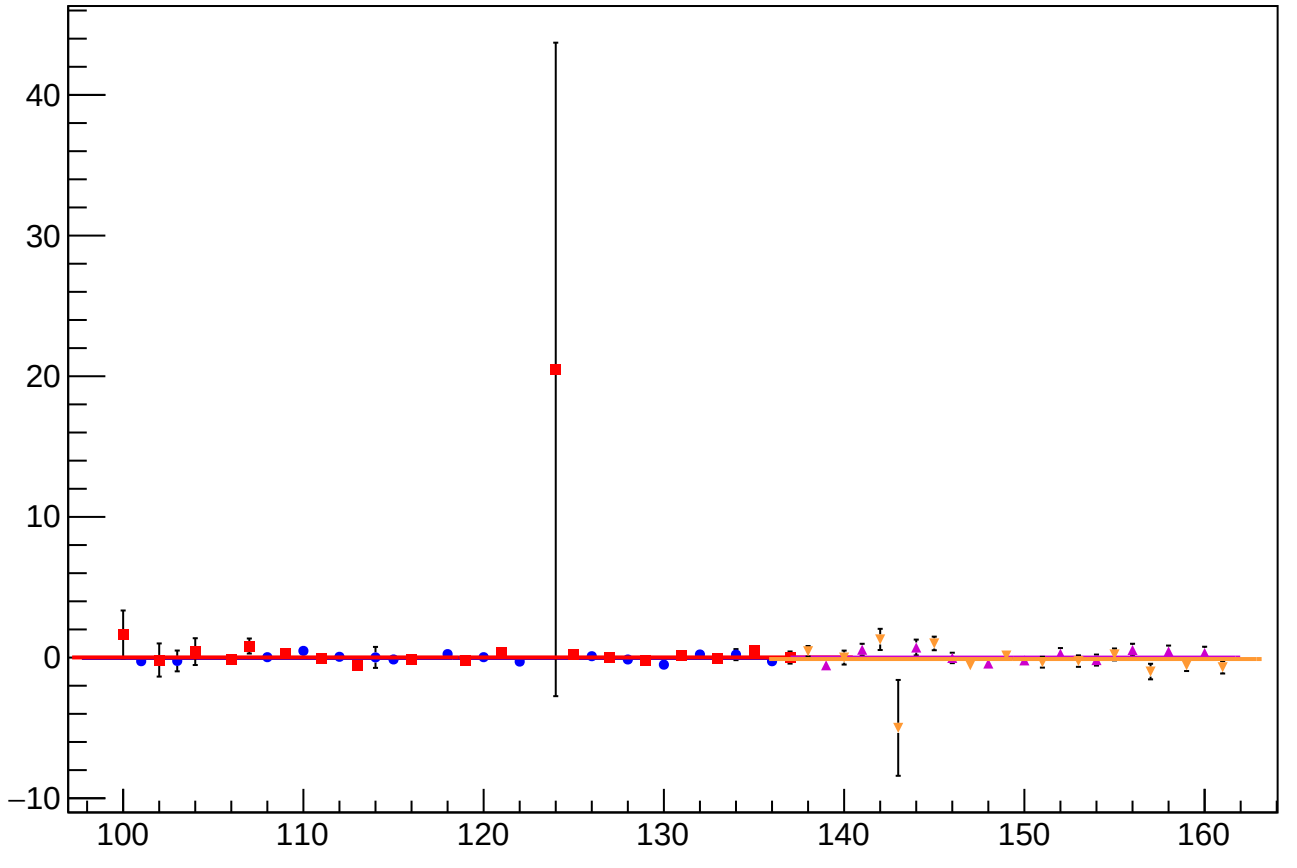
Left: 0.000+/-0.000 χ^2/NDF: 7458259.4/23

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4975185.3/26

Out: 0.000+/-0.000 χ^2/NDF:7050330.8/31

All: 0.000+/-0.000 χ^2/NDF: 13033091.6/58



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.114 χ^2/NDF:13.3/10

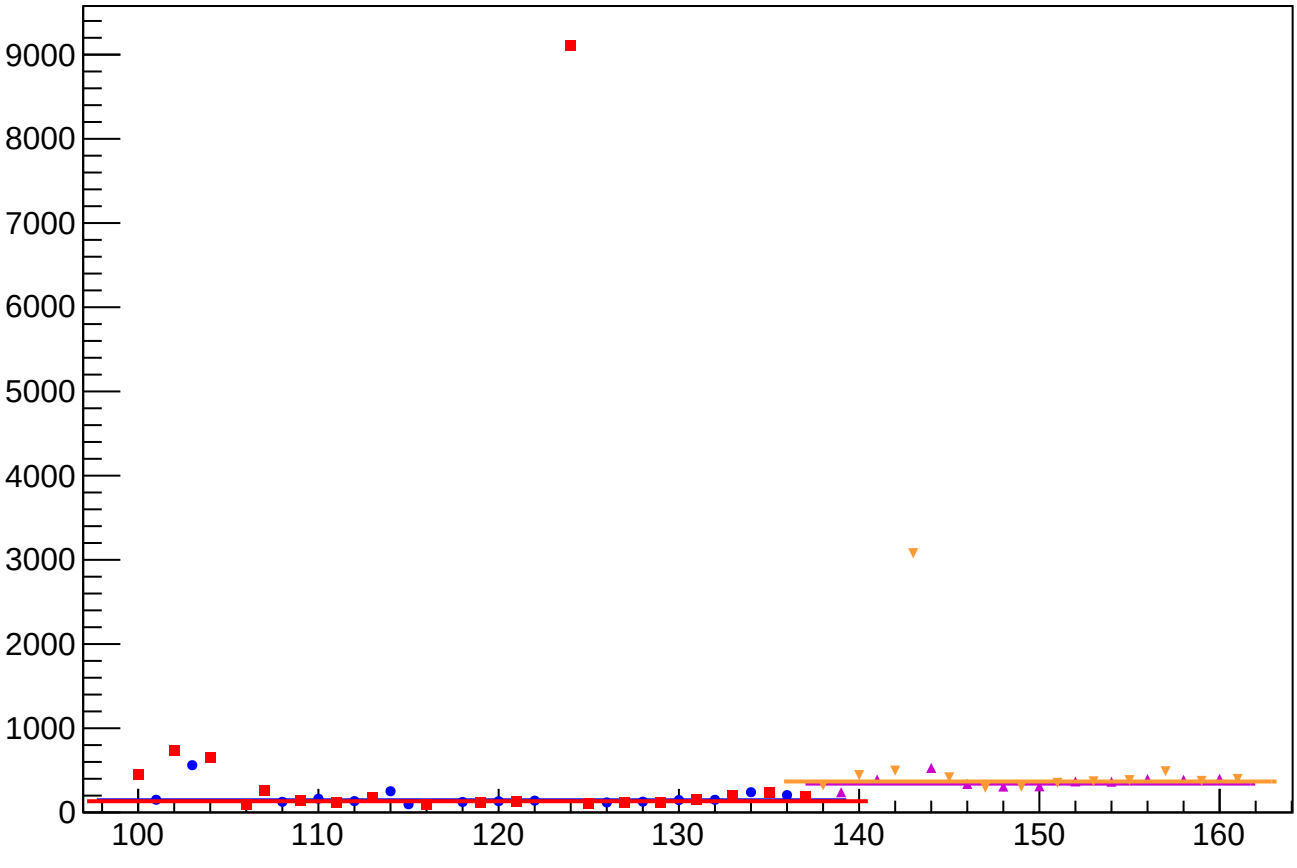
Left: -0.049+/-0.083 χ^2/NDF: 35.6/23

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.010+/-0.051 χ^2/NDF:44.5/31

All: -0.016+/-0.036 χ^2/NDF: 75.1/58



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 367.648+/-0.086 χ^2/NDF:1701482.0/12

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

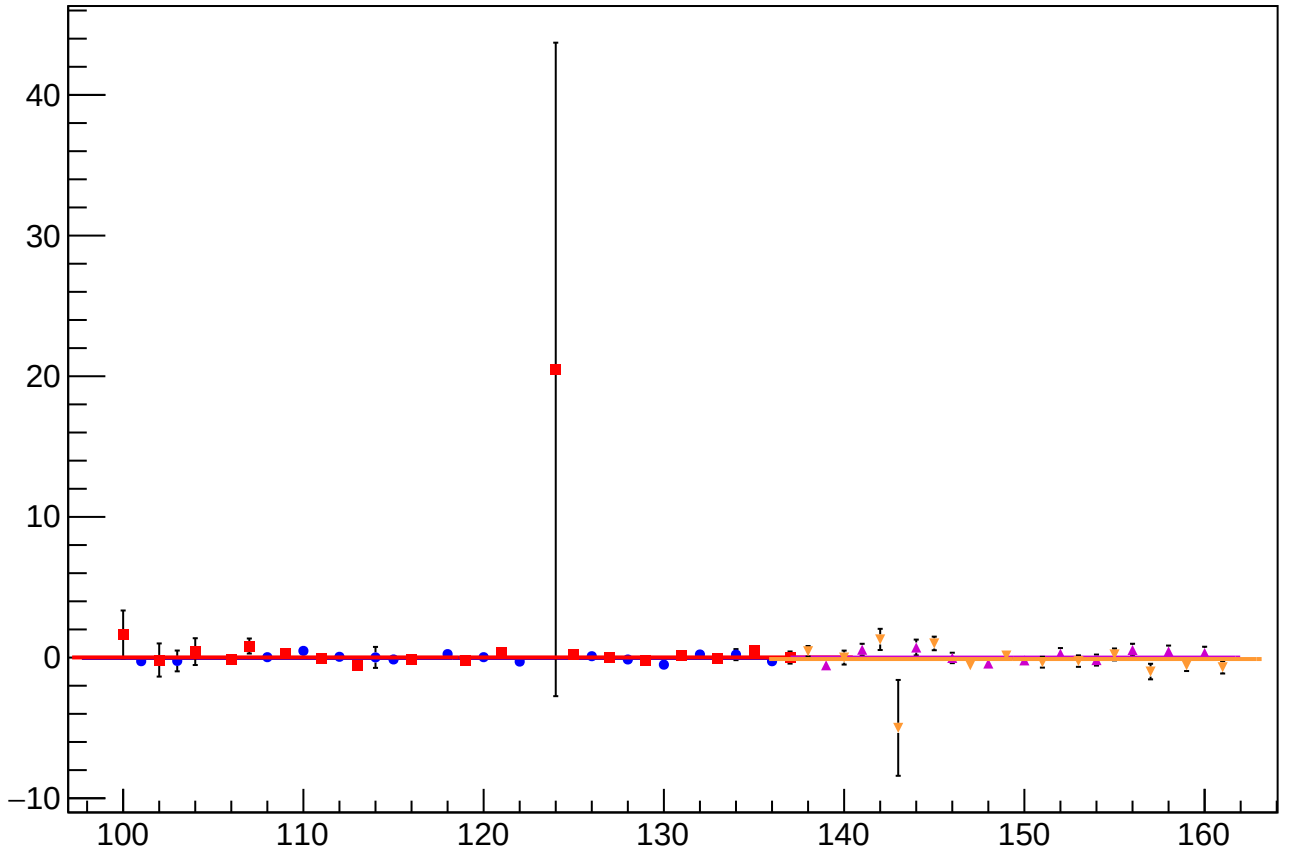
Left: 354.484+/-0.059 χ^2/NDF: 2421811.2/23

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 184.697+/-0.036 χ^2/NDF:6599630.5/26

Out: 175.246+/-0.036 χ^2/NDF:10086319.9/31

All: 179.935+/-0.026 χ^2/NDF: 16719757.2/58



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.114 χ^2/NDF:13.3/10

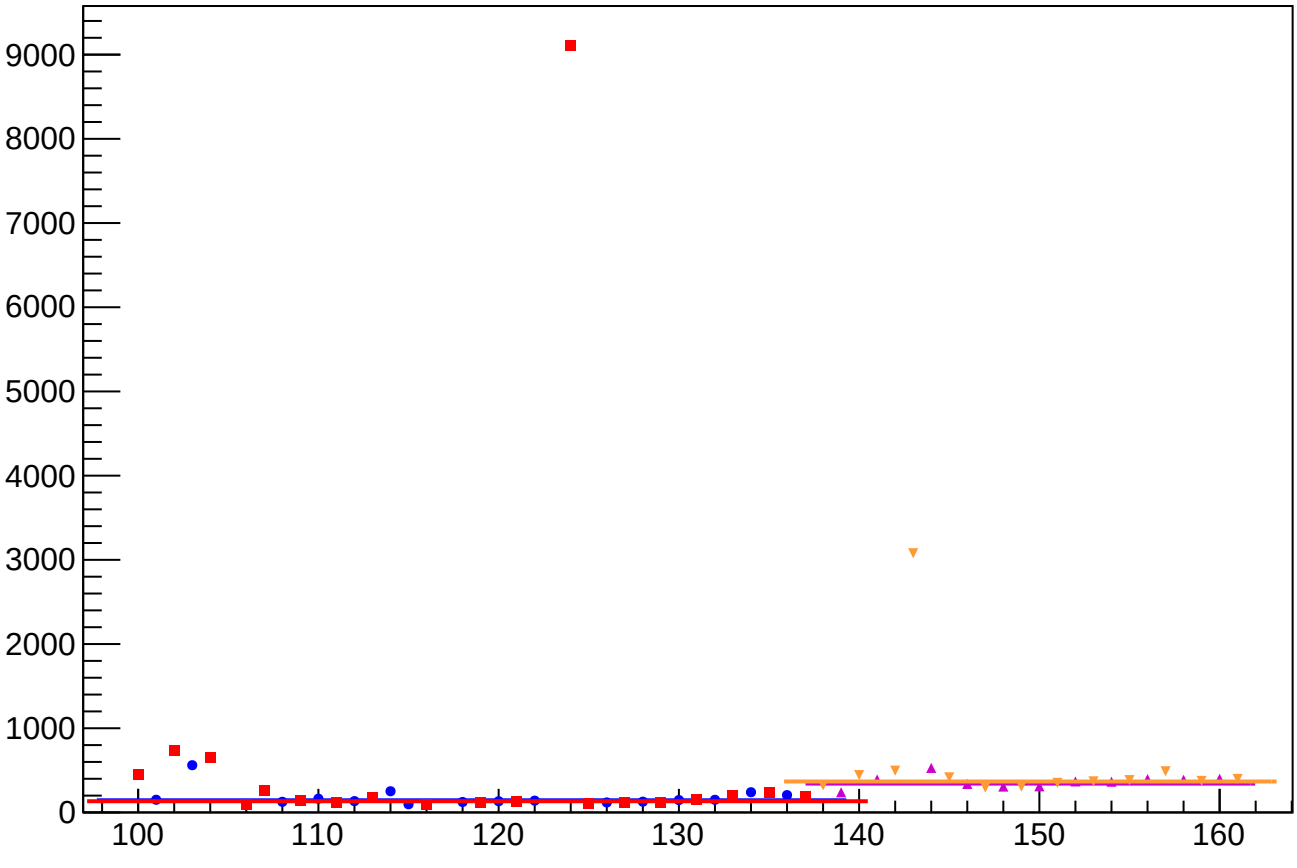
Left: -0.049+/-0.083 χ^2/NDF: 35.6/23

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.010+/-0.051 χ^2/NDF:44.5/31

All: -0.016+/-0.036 χ^2/NDF: 75.1/58



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 367.648+/-0.086 χ^2/NDF:1701482.0/12

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

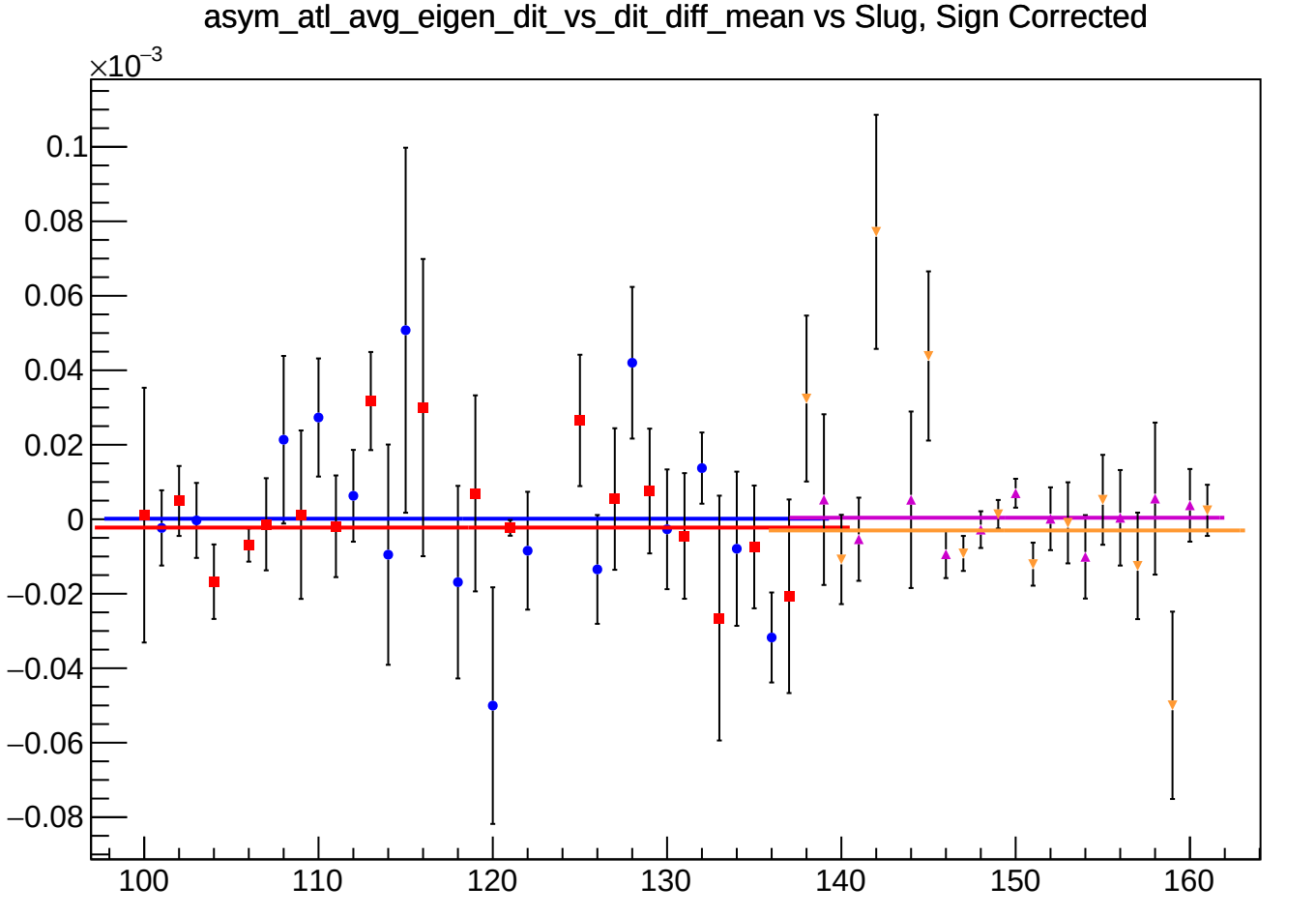
Left: 354.484+/-0.059 χ^2/NDF: 2421811.2/23

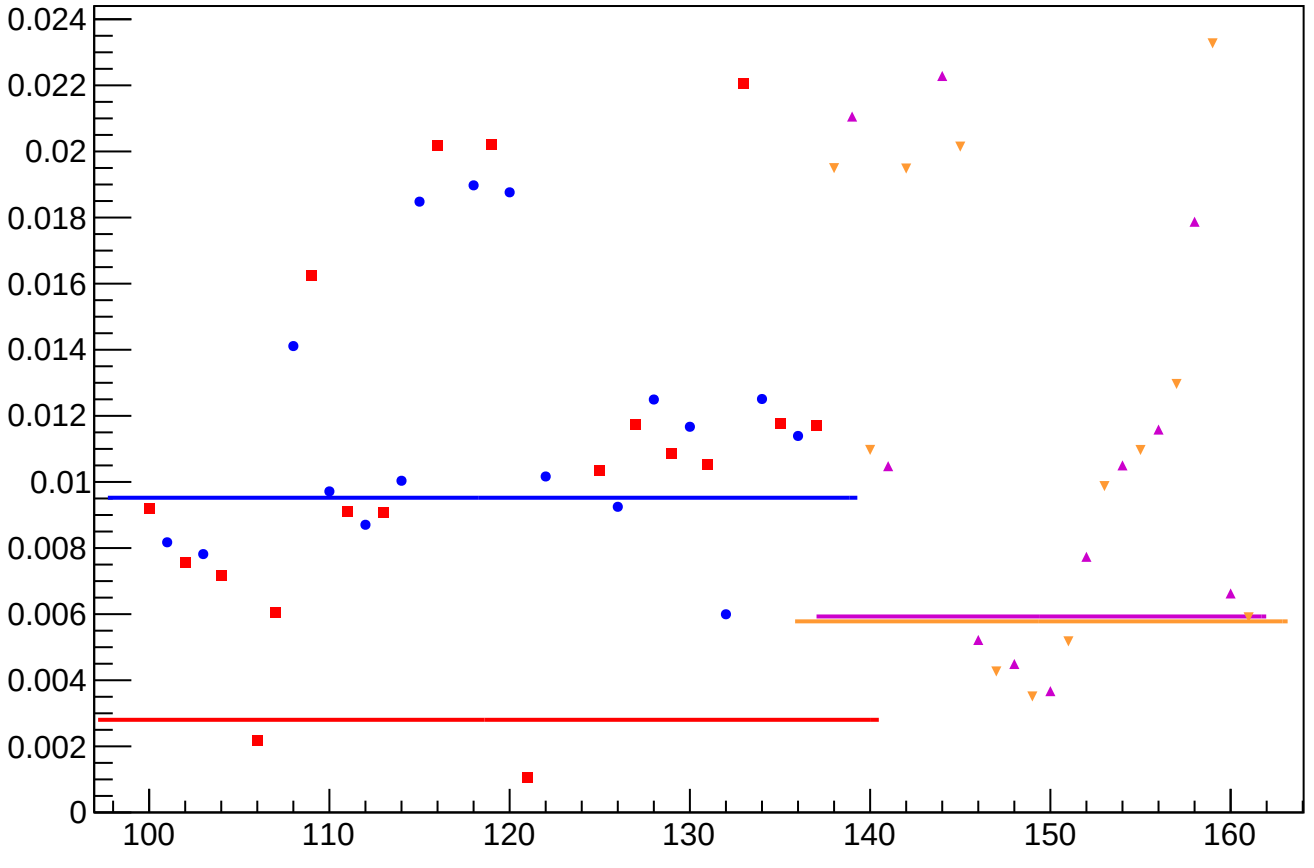
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 184.697+/-0.036 χ^2/NDF:6599630.5/26

Out: 175.246+/-0.036 χ^2/NDF:10086319.9/31

All: 179.935+/-0.026 χ^2/NDF: 16719757.2/58


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:24.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:7.0/10
Left: -0.000+/-0.000 χ²/NDF: 32.4/22
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:29.8/26
Out: -0.000+/-0.000 χ²/NDF:39.9/29
All: -0.000+/-0.000 χ²/NDF: 71.1/56



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:5365388.6/11

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:4537751.0/10

Left: 0.006+/-0.000 χ^2/NDF: 9907317.0/22

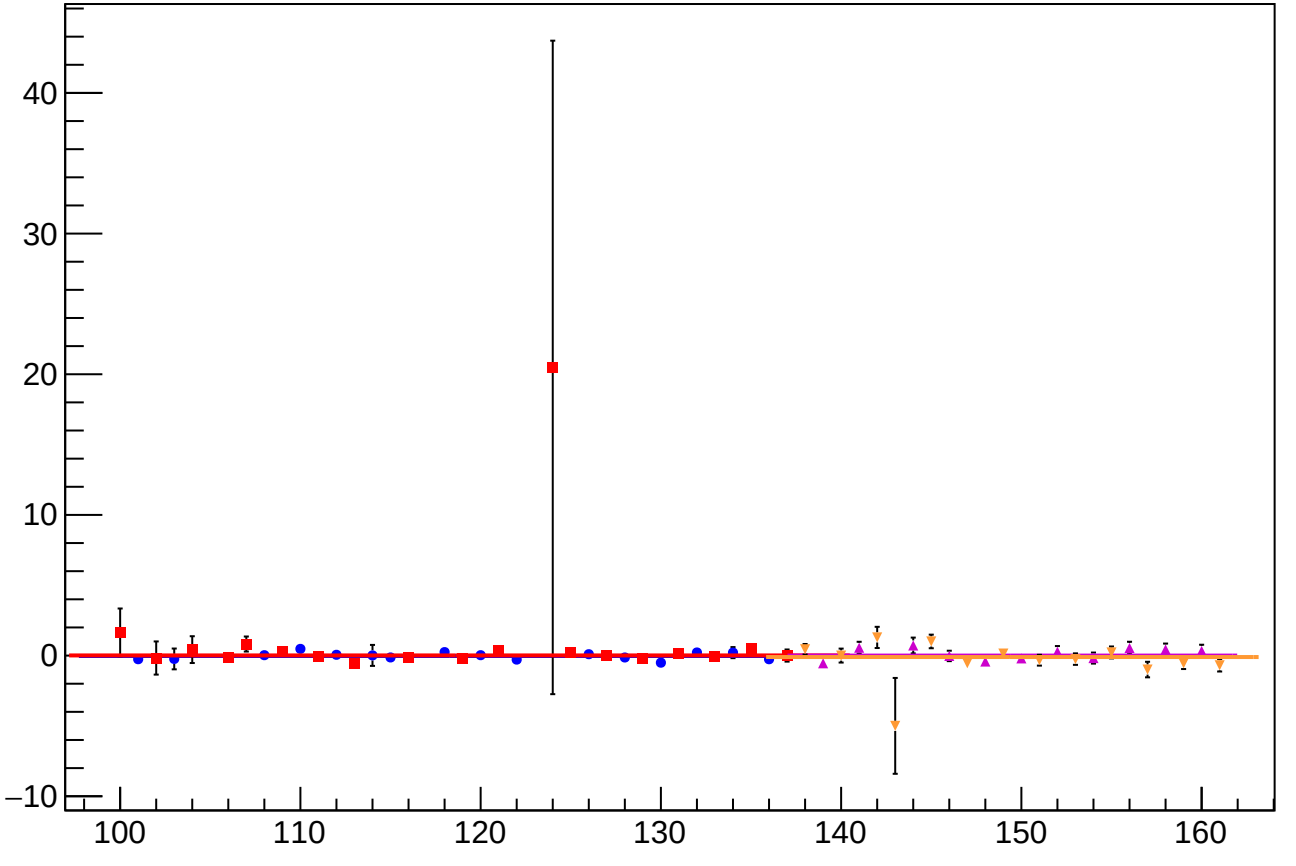
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6998726.8/26

Out: 0.004+/-0.000 χ^2/NDF:16150185.2/29

All: 0.005+/-0.000 χ^2/NDF: 26324991.0/56

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.114 χ^2/NDF:13.2/10

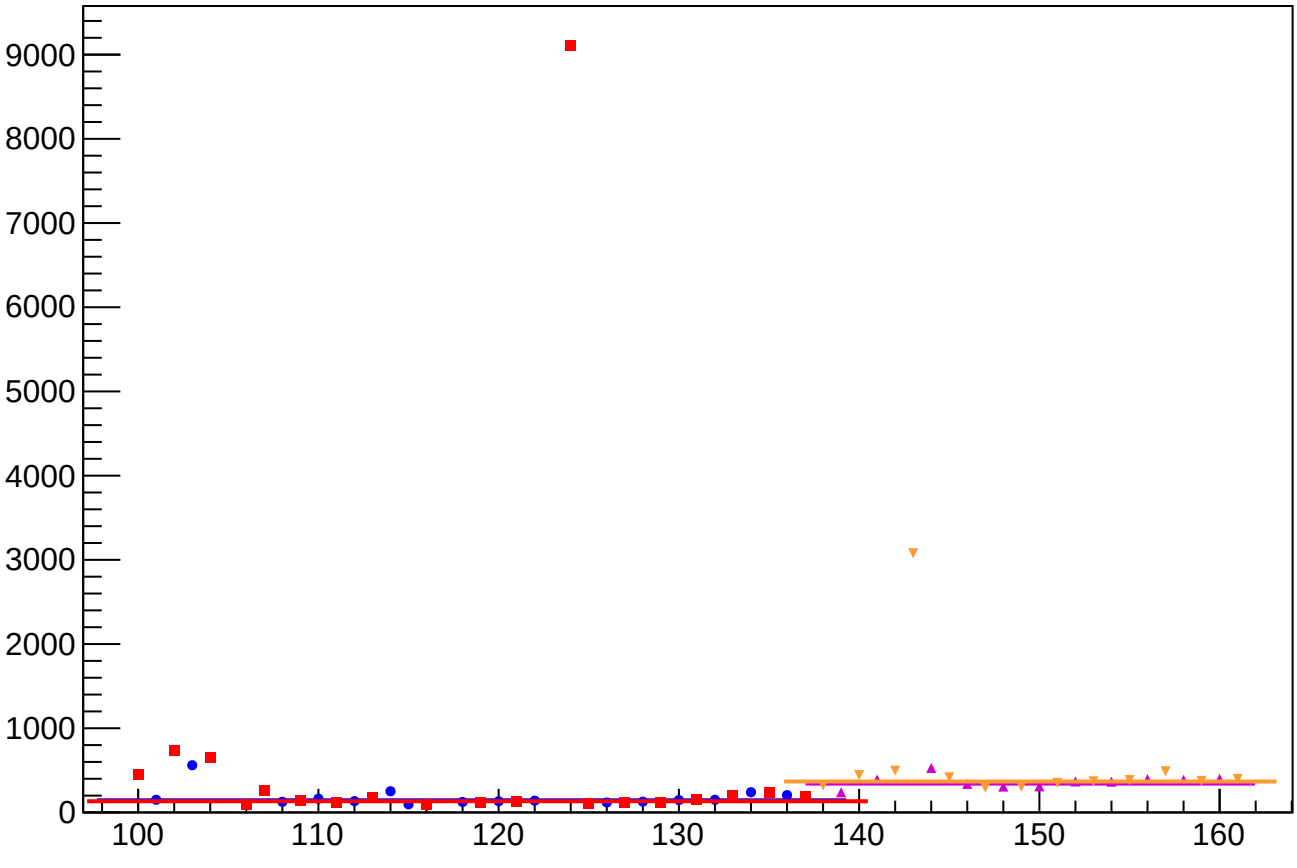
Left: -0.049+/-0.083 χ^2/NDF: 35.6/23

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.010+/-0.051 χ^2/NDF:44.5/31

All: -0.016+/-0.036 χ^2/NDF: 75.1/58



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 367.652+/-0.086 χ^2/NDF:1701518.1/12

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

Left: 354.489+/-0.059 χ^2/NDF: 2421838.0/23

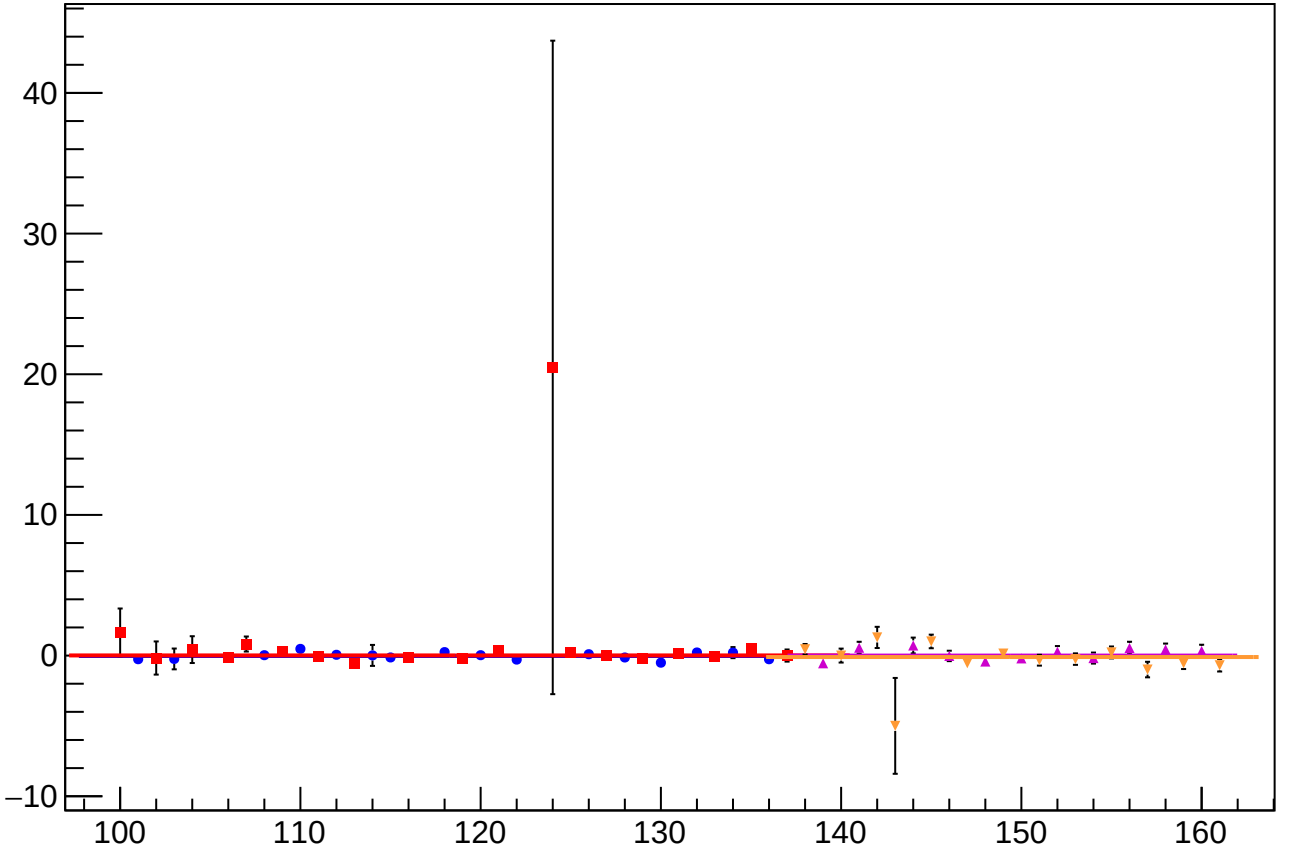
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 184.696+/-0.036 χ^2/NDF:6599876.1/26

Out: 175.245+/-0.036 χ^2/NDF:10086462.9/31

All: 179.933+/-0.026 χ^2/NDF: 16720141.5/58

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: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.114 χ^2/NDF:13.2/10

Left: -0.049+/-0.083 χ^2/NDF: 35.6/23

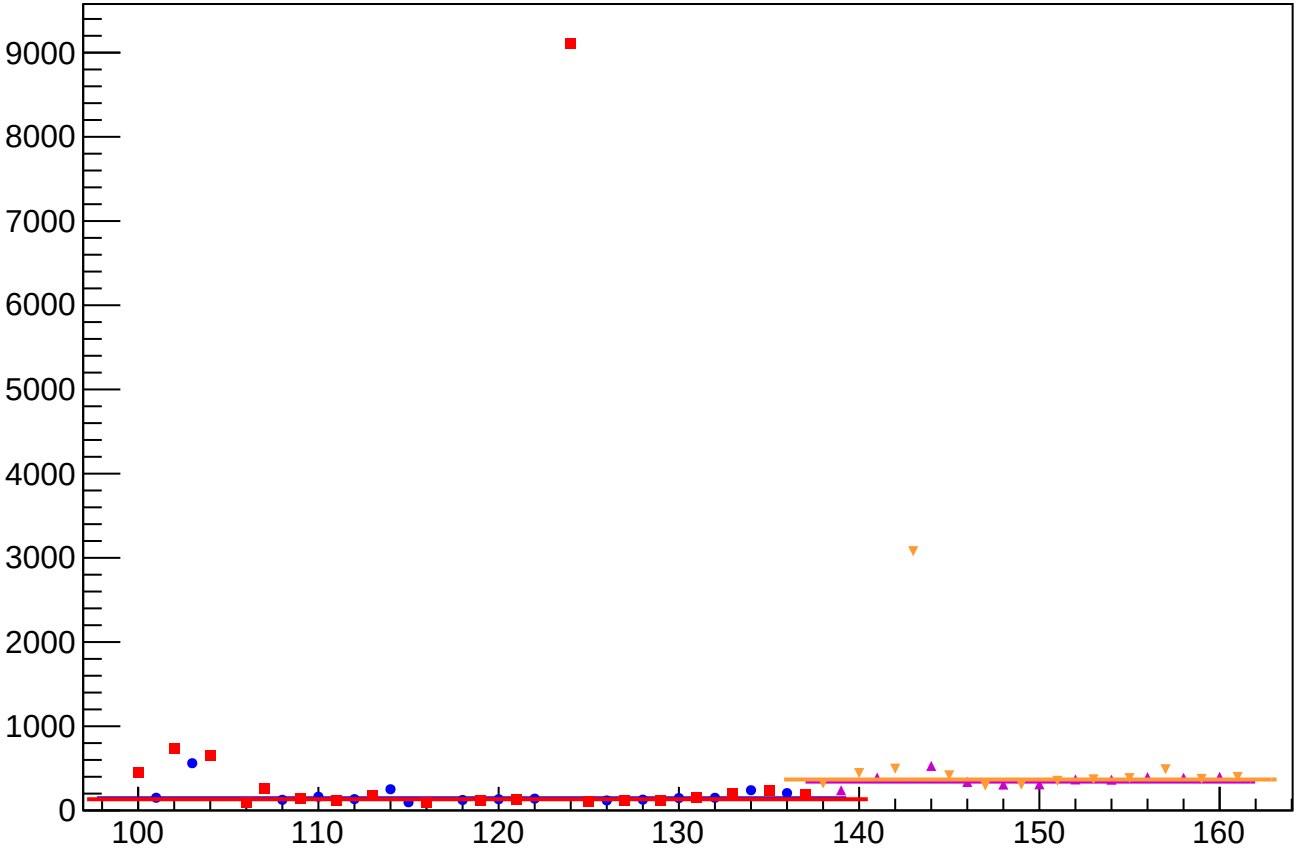
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.023+/-0.052 χ^2/NDF:30.5/26

Out: -0.010+/-0.051 χ^2/NDF:44.5/31

All: -0.016+/-0.036 χ^2/NDF: 75.1/58

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: 367.652+/-0.086 χ^2/NDF:1701518.1/12

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

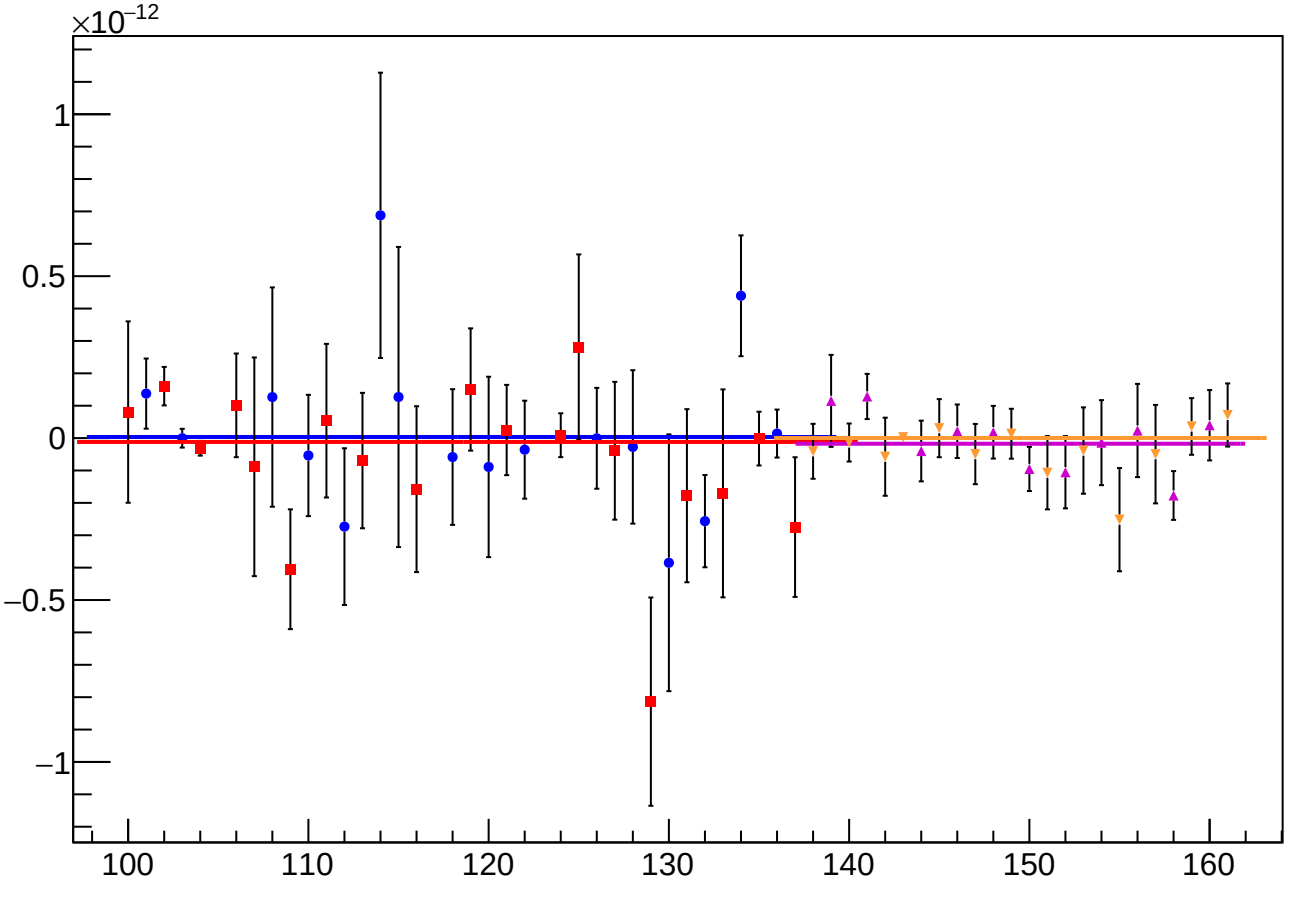
Left: 354.489+/-0.059 χ^2/NDF: 2421838.0/23

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 184.696+/-0.036 χ^2/NDF:6599876.1/26

Out: 175.245+/-0.036 χ^2/NDF:10086462.9/31

All: 179.933+/-0.026 χ^2/NDF: 16720141.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

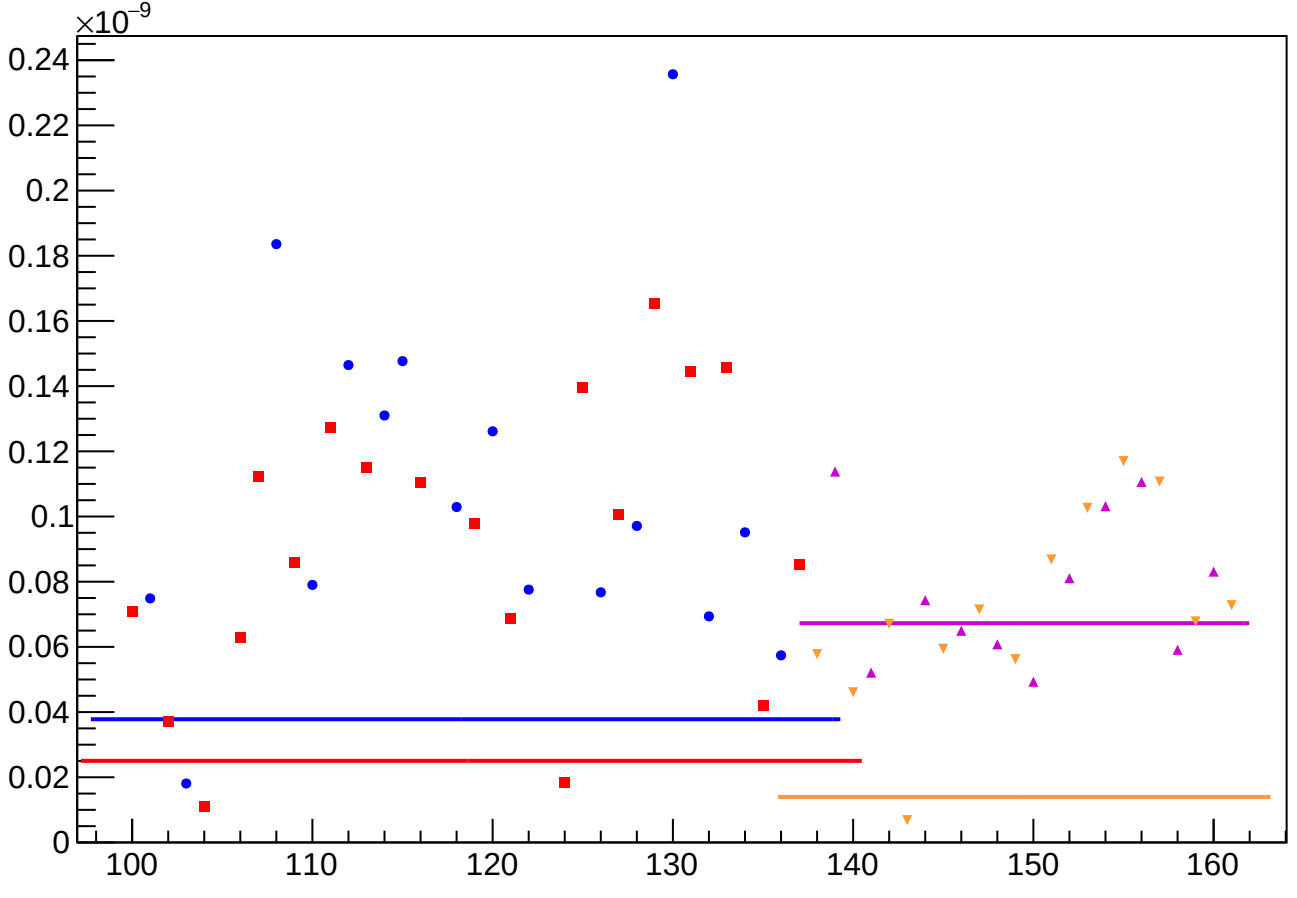
Left: -0.000+/-0.000 χ^2/NDF: 18.2/23

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.5/26

Out: -0.000+/-0.000 χ^2/NDF:30.8/31

All: -0.000+/-0.000 χ^2/NDF: 59.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9255301.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:901021.3/10

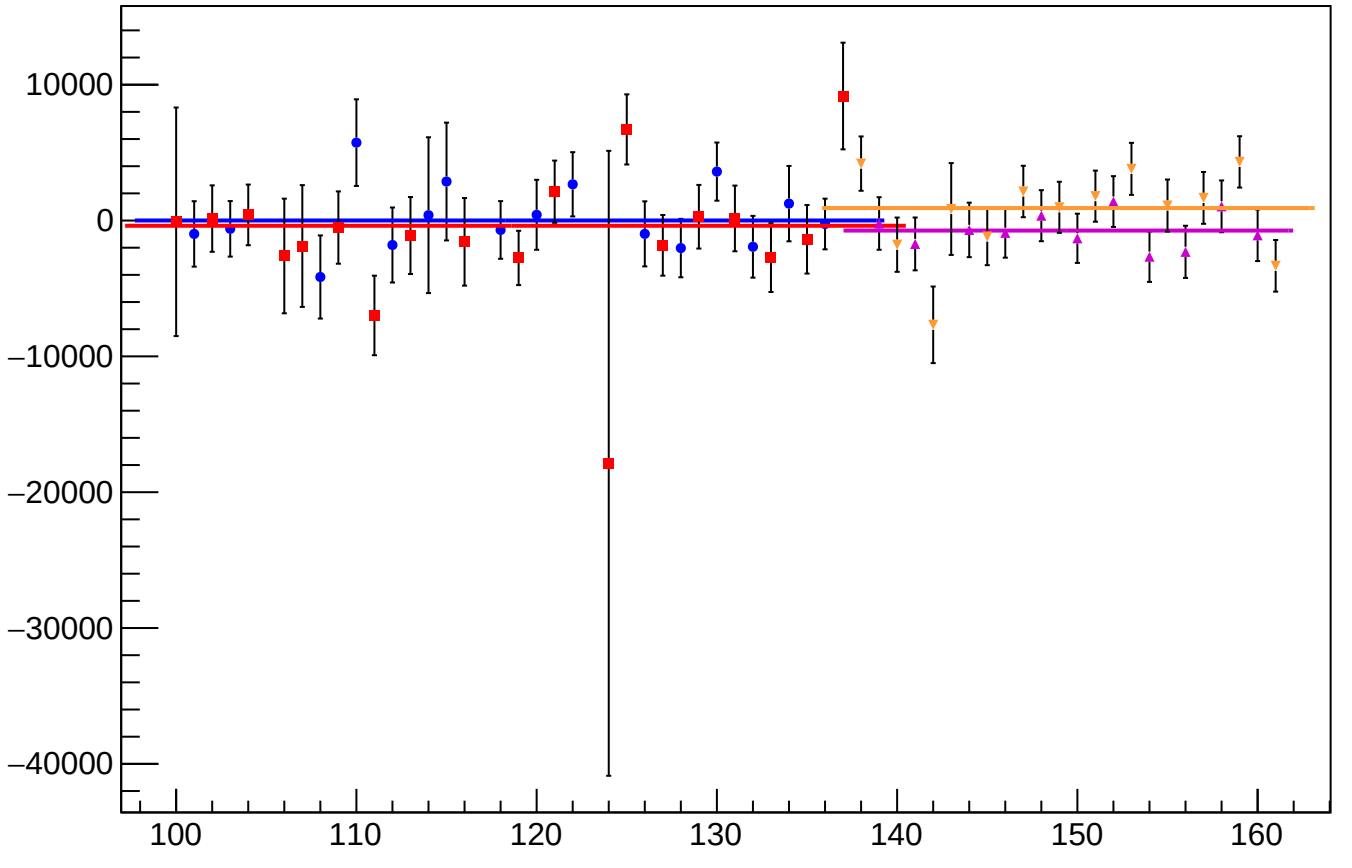
Left: 0.000+/-0.000 χ^2/NDF: 16916240.7/23

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6155245.9/26

Out: 0.000+/-0.000 χ^2/NDF:14524878.2/31

All: 0.000+/-0.000 χ^2/NDF: 26630721.0/58



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.659+/-562.563 χ^2/NDF:26.1/12

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -737.692+/-571.091 χ^2/NDF:4.7/10

Left: 103.450+/-400.773 χ^2/NDF: 35.1/23

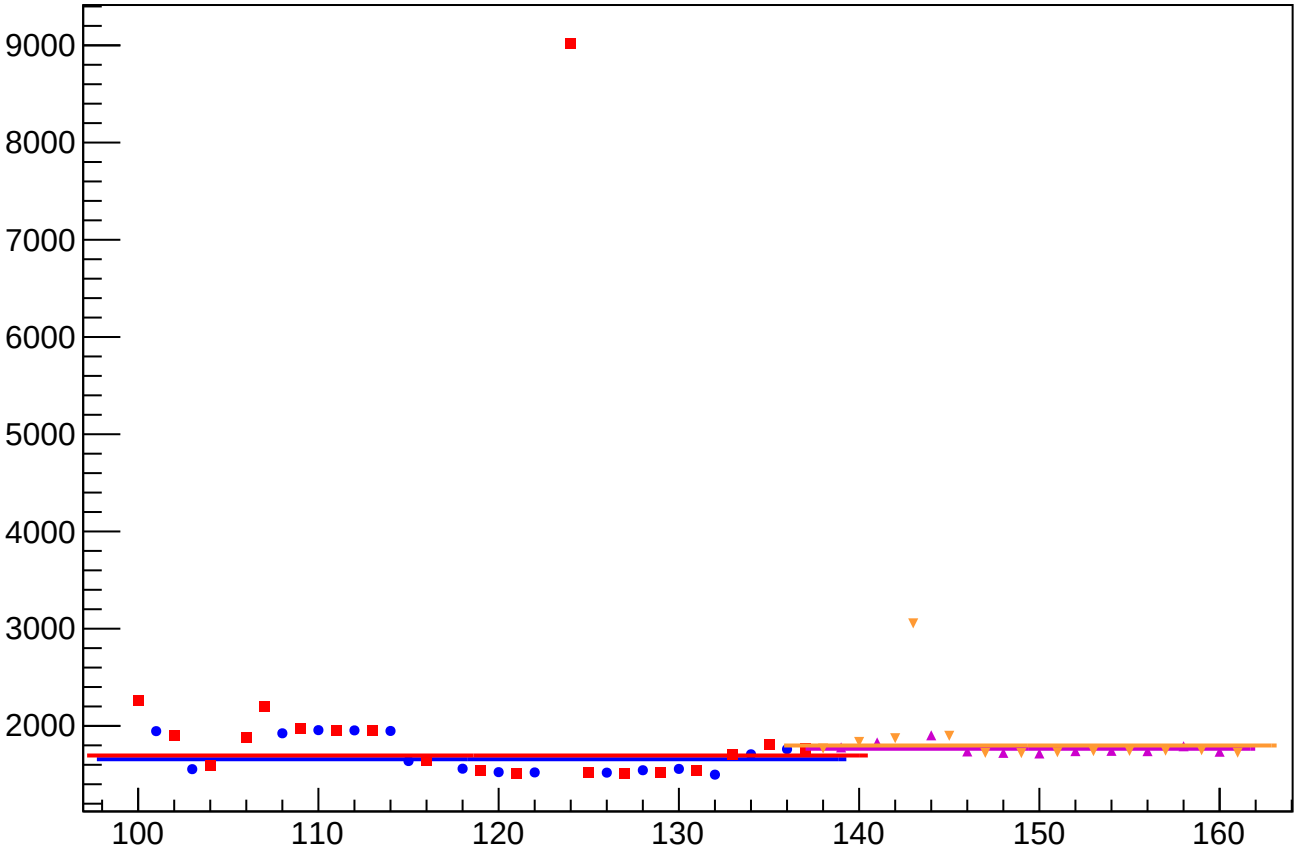
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -397.023+/-420.021 χ^2/NDF:17.9/26

Out: 344.727+/-420.699 χ^2/NDF:52.5/31

All: -26.746+/-297.239 χ^2/NDF: 72.0/58

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

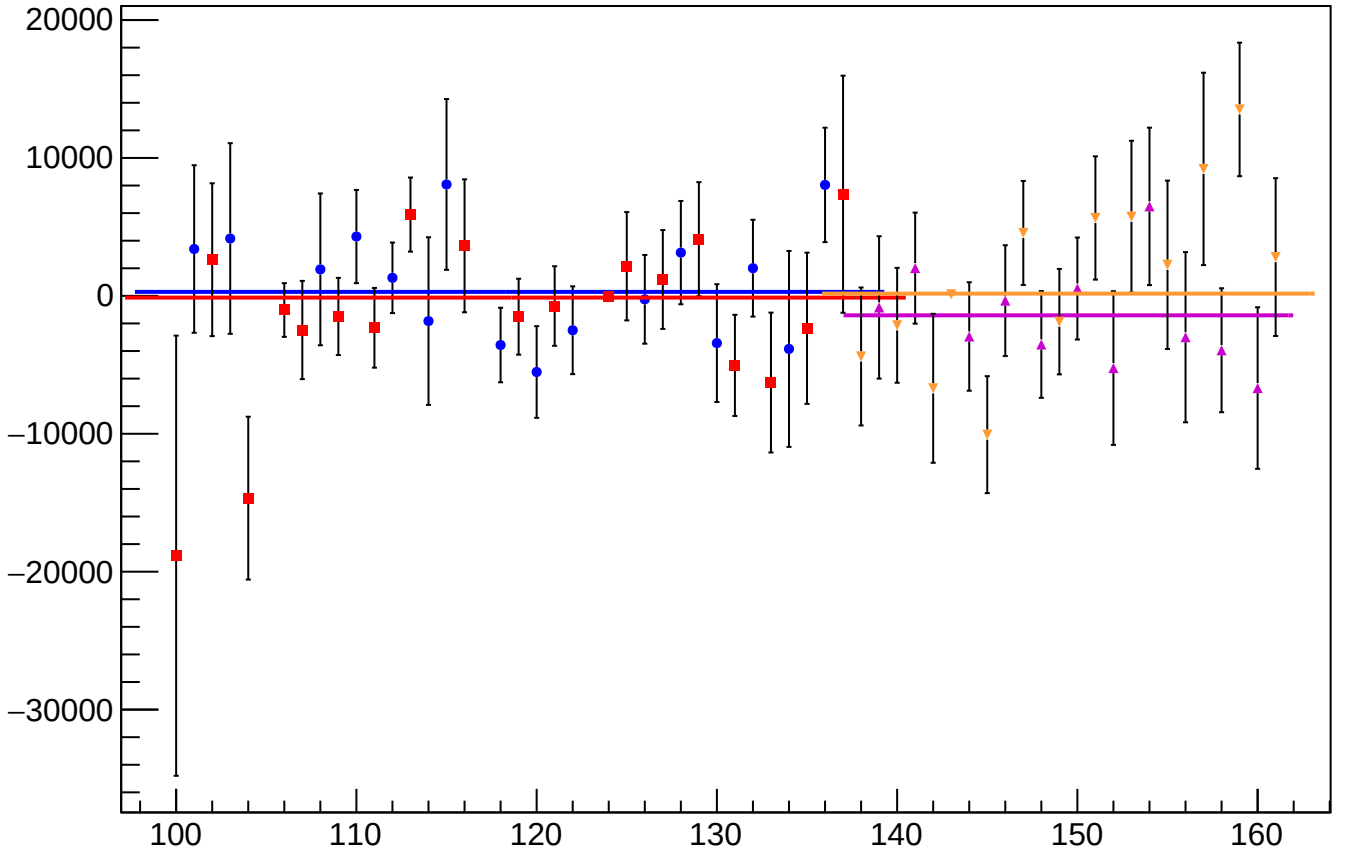
Left: 1781.991+/-0.283 χ^2/NDF: 321968.0/23

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1715.418+/-0.297 χ^2/NDF:193213.1/26

Out: 1752.977+/-0.297 χ^2/NDF:717786.6/31

All: 1734.206+/-0.210 χ^2/NDF: 918999.5/58



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 164.033+/-351.970 χ^2/NDF:22.4/12

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1412.181+/-1369.084 χ^2/NDF:5.1/10

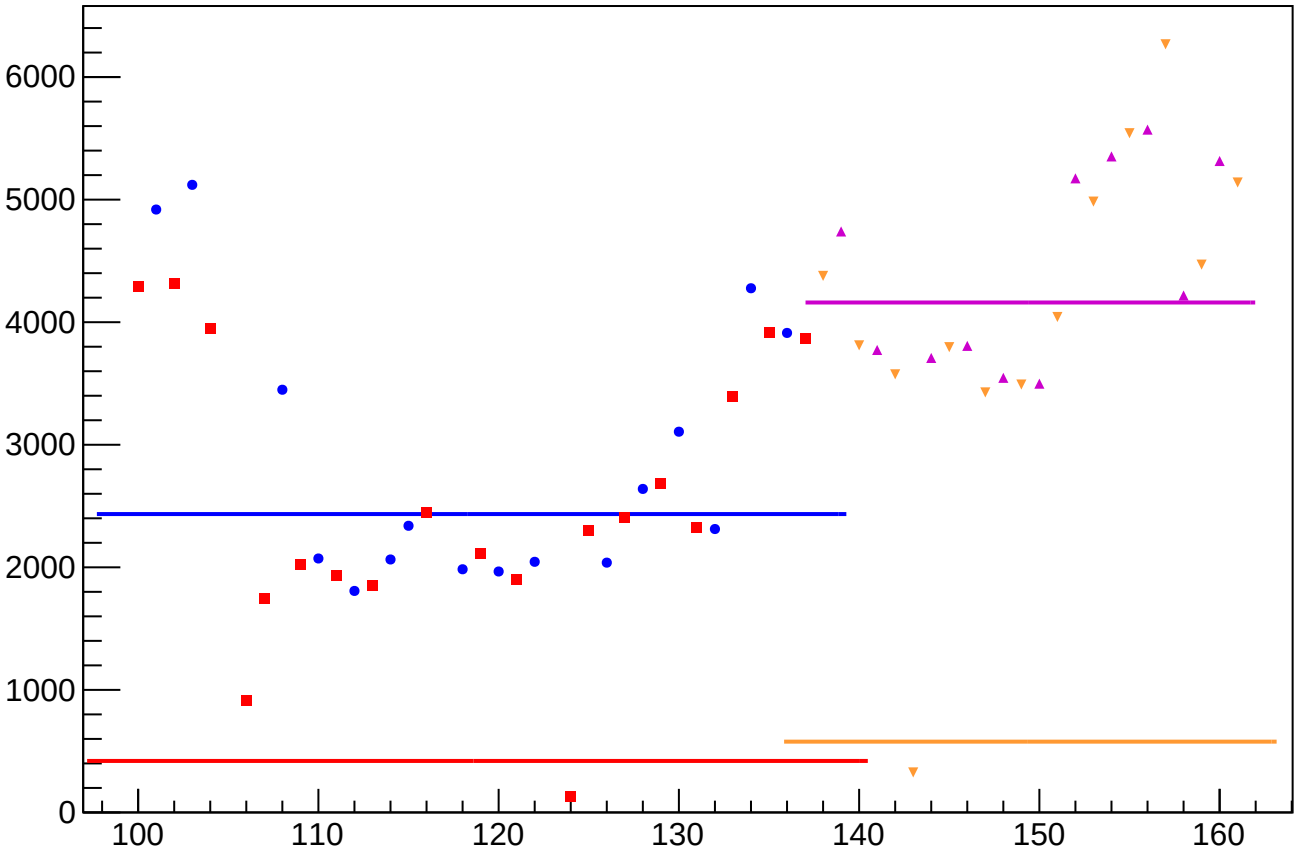
Left: 66.316+/-340.885 χ^2/NDF: 28.7/23

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -272.398+/-786.607 χ^2/NDF:21.4/26

Out: 7.134+/-238.264 χ^2/NDF:43.6/31

All: -16.358+/-228.033 χ^2/NDF: 65.1/58



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 577.758+/-0.249 χ^2/NDF:15083994.6/12

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4160.761+/-0.968 χ^2/NDF:536001.9/10

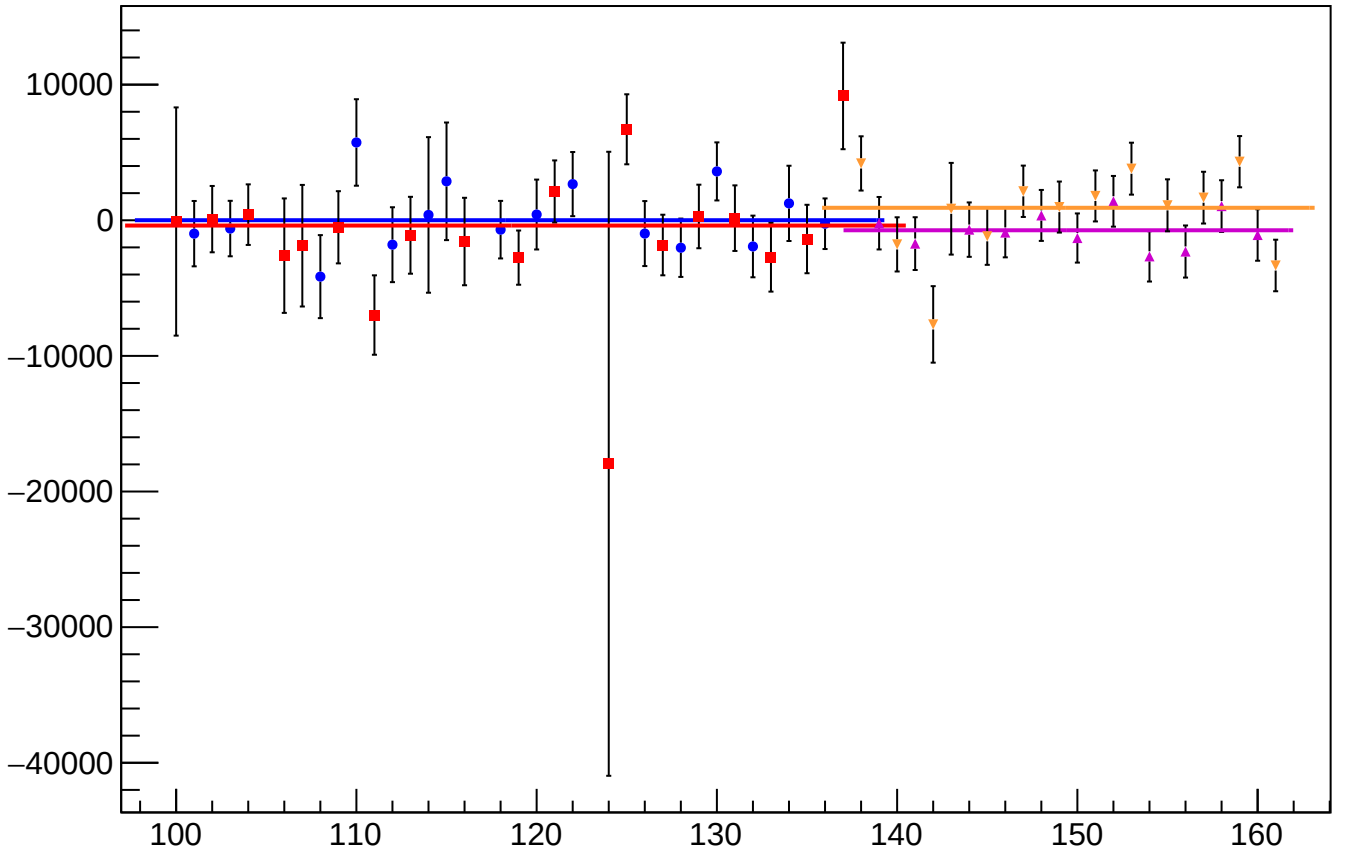
Left: 799.885+/-0.241 χ^2/NDF: 28469003.9/23

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3004.414+/-0.556 χ^2/NDF:4123533.0/26

Out: 492.452+/-0.168 χ^2/NDF:26364830.8/31

All: 703.554+/-0.161 χ^2/NDF: 49170121.5/58



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.557+/-562.563 χ^2/NDF:26.1/12

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -737.660+/-571.091 χ^2/NDF:4.7/10

Left: 103.414+/-400.773 χ^2/NDF: 35.1/23

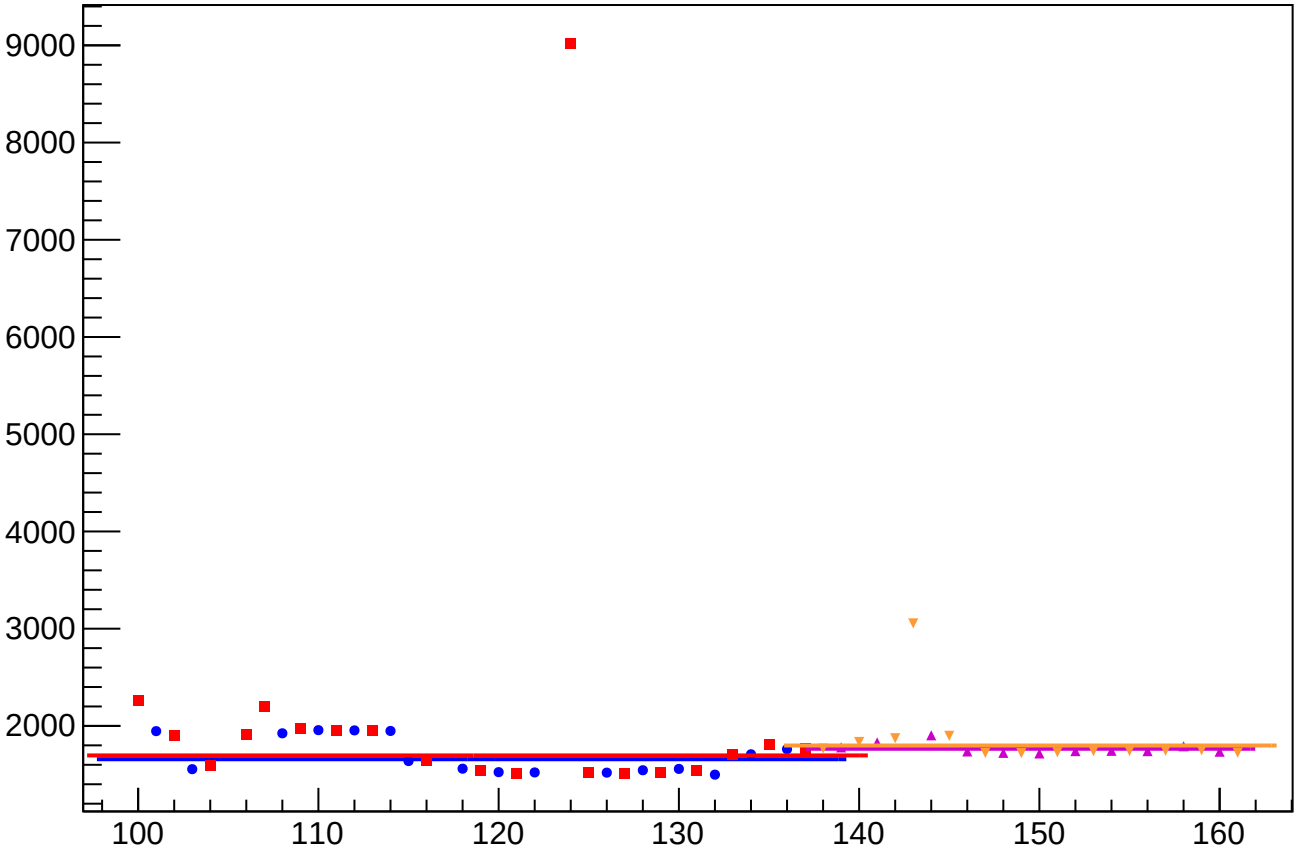
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -397.041+/-420.021 χ^2/NDF:17.9/26

Out: 342.782+/-420.701 χ^2/NDF:52.5/31

All: -27.728+/-297.240 χ^2/NDF: 72.0/58

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

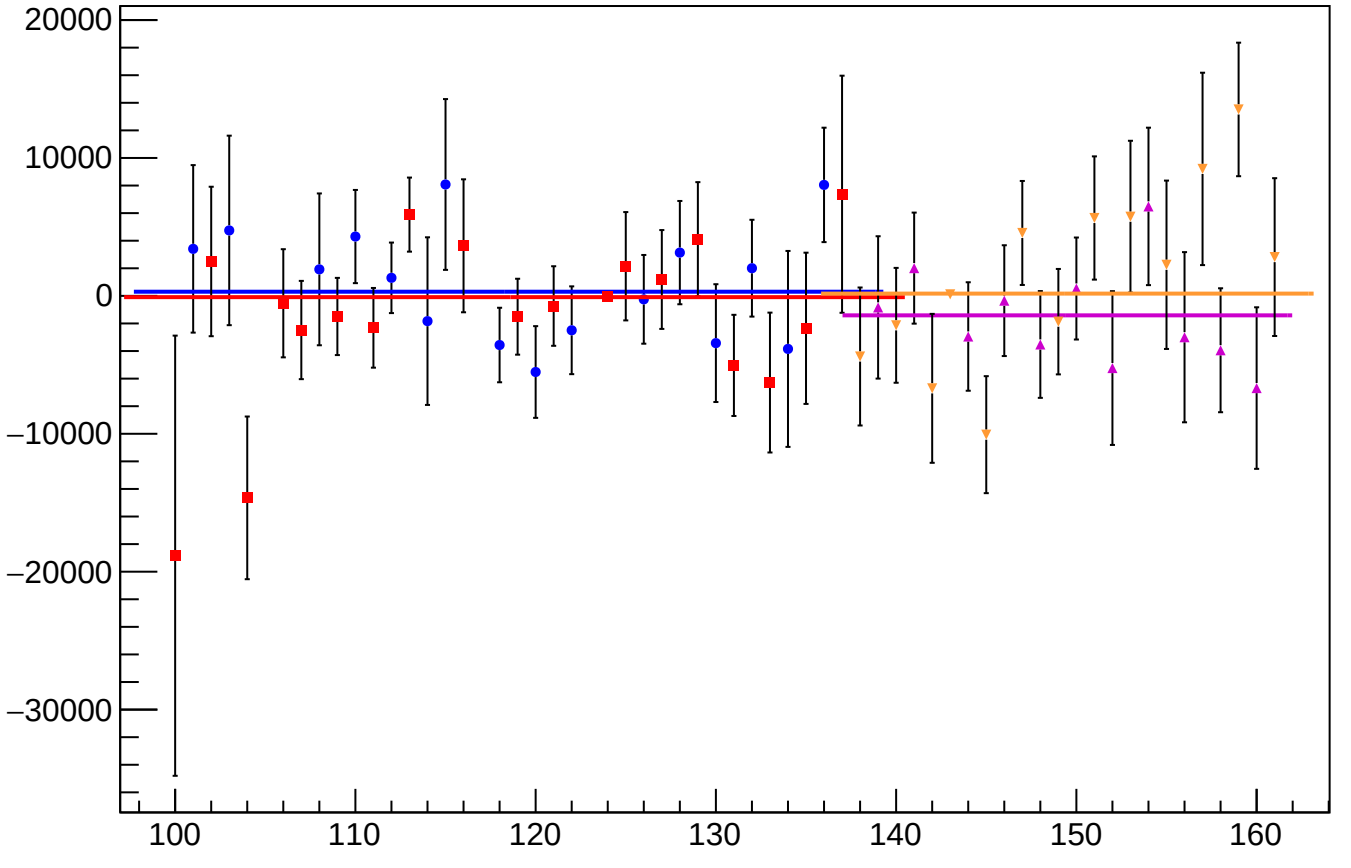
Left: 1781.991+/-0.283 χ^2/NDF: 321968.0/23

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.418+/-0.297 χ^2/NDF:193213.2/26

Out: 1753.353+/-0.297 χ^2/NDF:719073.6/31

All: 1734.389+/-0.210 χ^2/NDF: 920445.9/58



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.466+/-351.944 χ^2/NDF:22.4/12

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1412.219+/-1369.082 χ^2/NDF:5.1/10

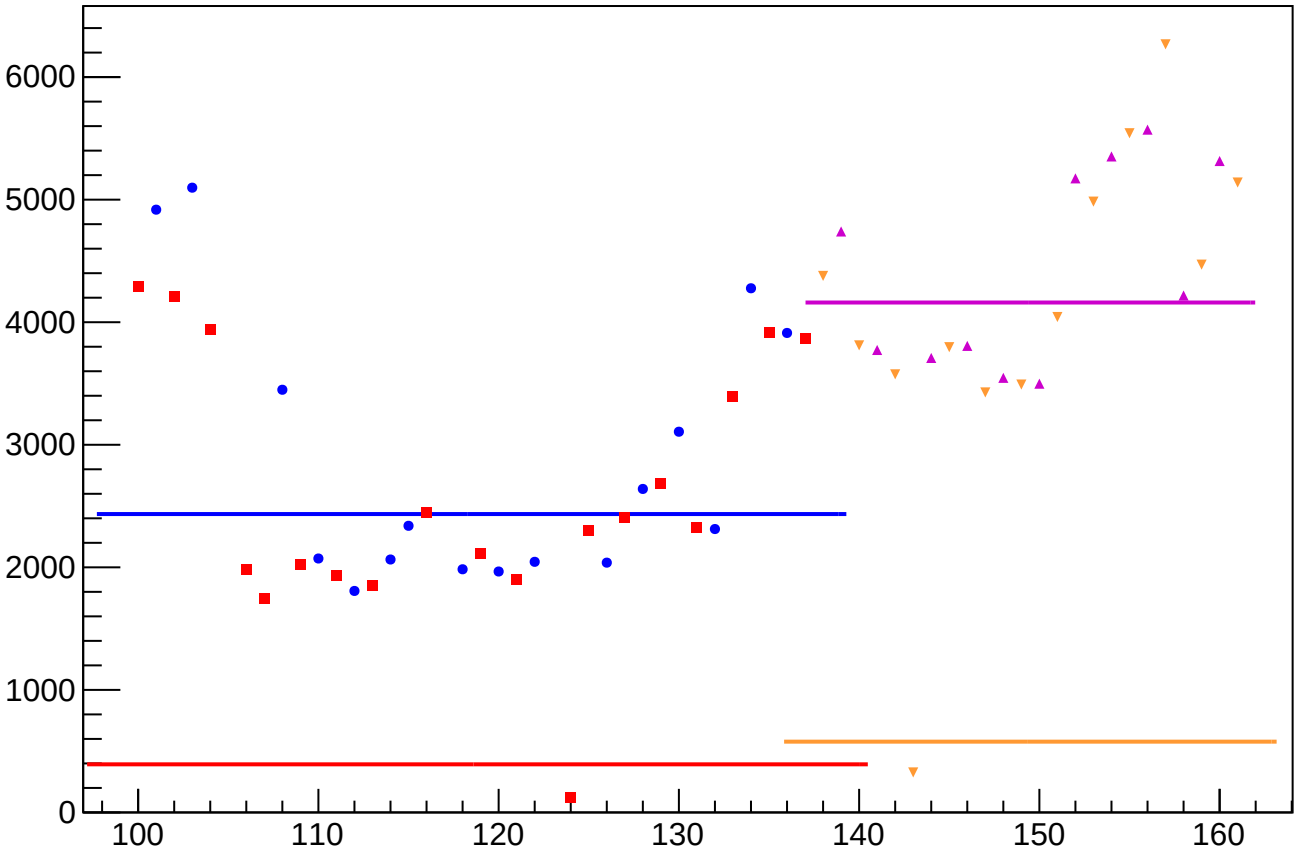
Left: 66.733+/-340.861 χ^2/NDF: 28.7/23

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -263.892+/-786.542 χ^2/NDF:21.5/26

Out: 22.240+/-235.030 χ^2/NDF:43.3/31

All: -1.214+/-225.191 χ^2/NDF: 64.9/58



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 577.694+/-0.249 χ^2/NDF:15084351.5/12

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

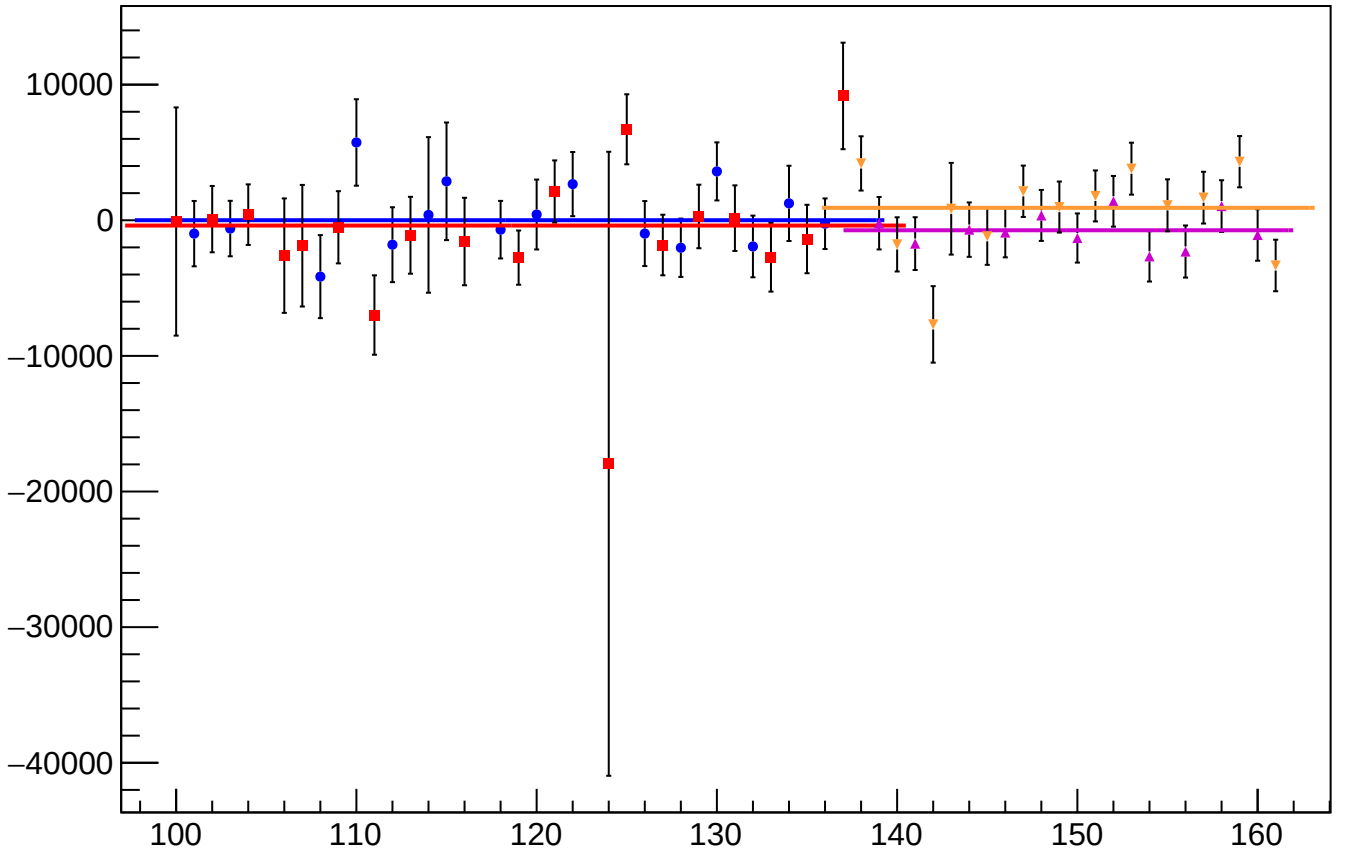
Left: 799.795+/-0.241 χ^2/NDF: 28469931.8/23

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3004.431+/-0.556 χ^2/NDF:4121593.8/26

Out: 475.181+/-0.166 χ^2/NDF:26798623.2/31

All: 682.505+/-0.159 χ^2/NDF: 49905898.1/58



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.557+/-562.563 χ^2/NDF:26.1/12

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -737.660+/-571.091 χ^2/NDF:4.7/10

Left: 103.414+/-400.773 χ^2/NDF: 35.1/23

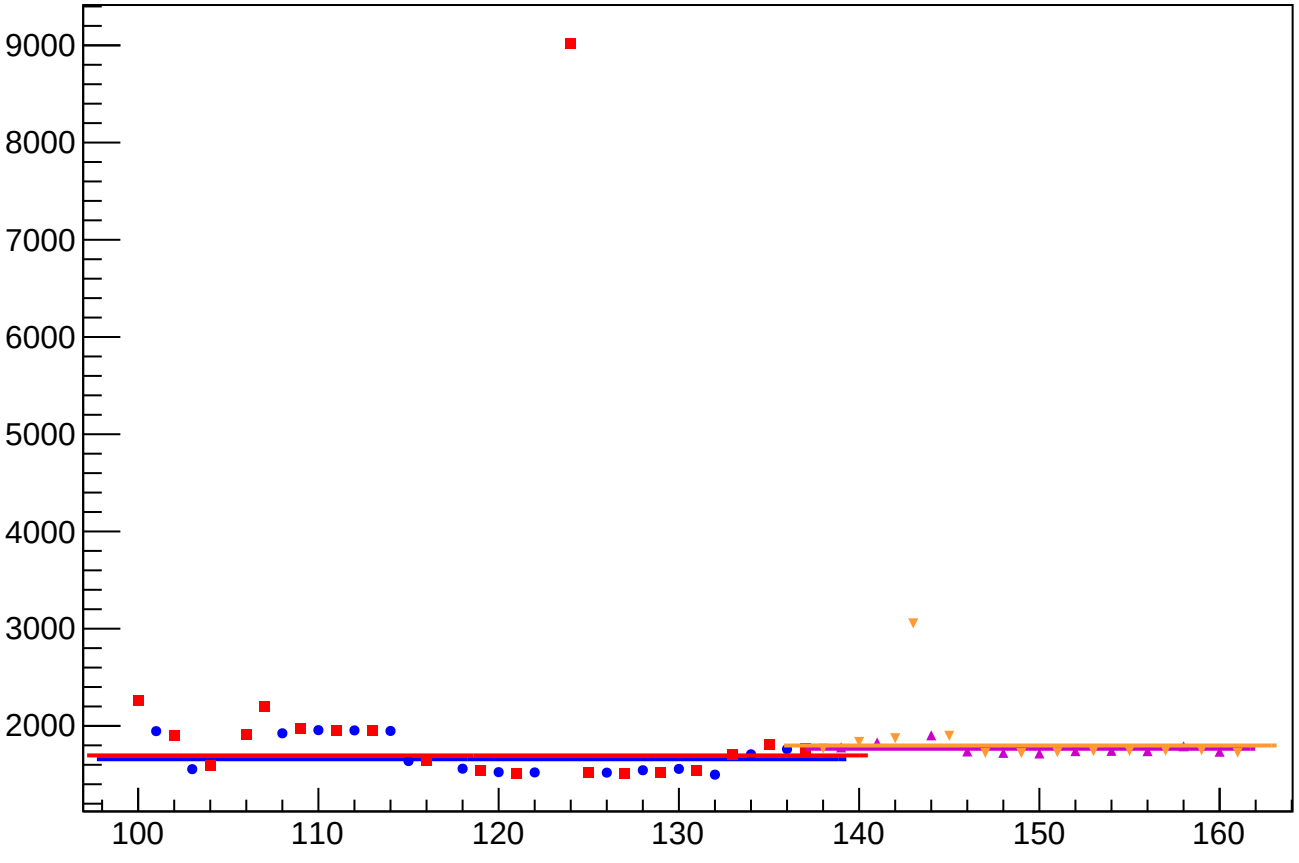
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -397.041+/-420.021 χ^2/NDF:17.9/26

Out: 342.782+/-420.701 χ^2/NDF:52.5/31

All: -27.728+/-297.240 χ^2/NDF: 72.0/58

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

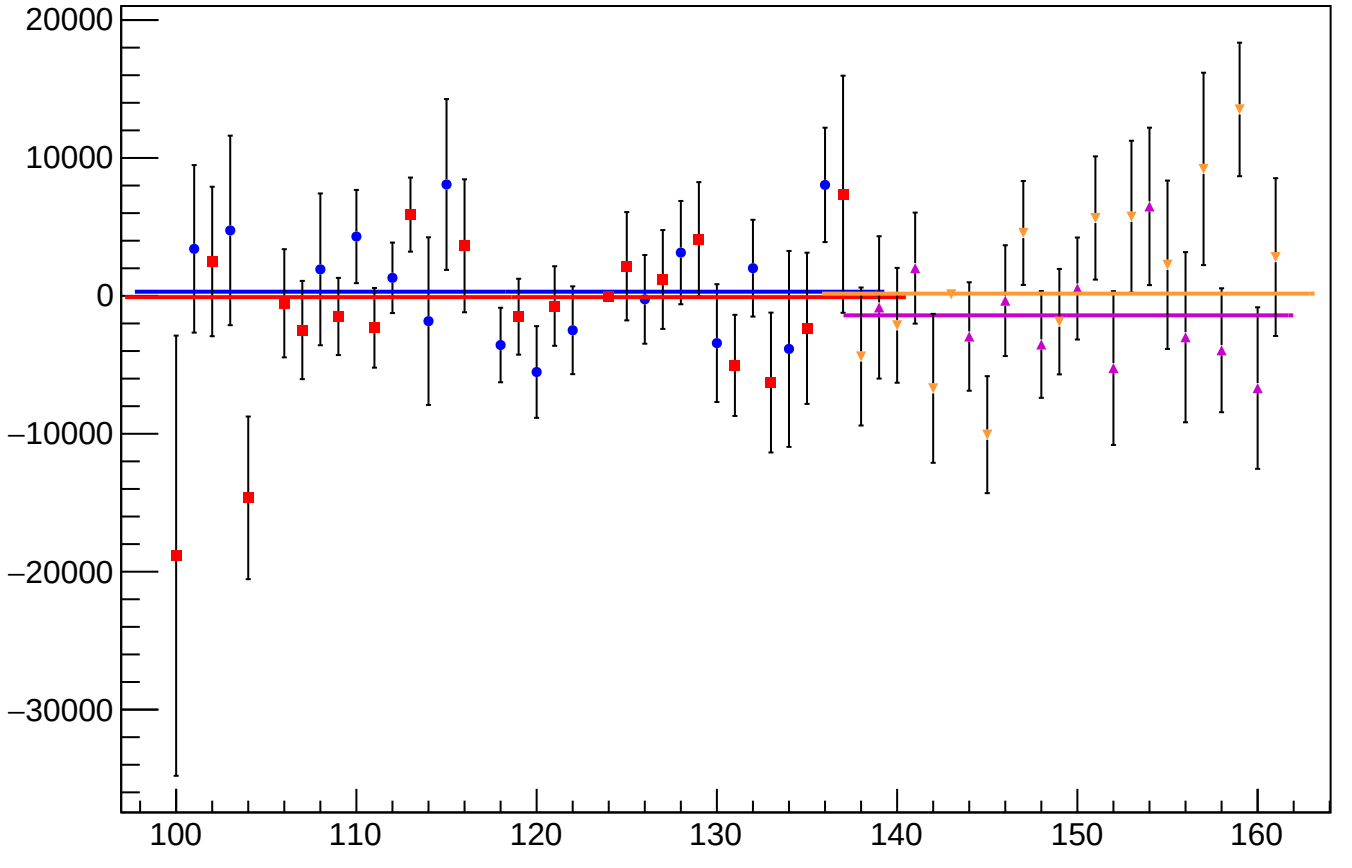
Left: 1781.991+/-0.283 χ^2/NDF: 321968.0/23

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.418+/-0.297 χ^2/NDF:193213.2/26

Out: 1753.353+/-0.297 χ^2/NDF:719073.6/31

All: 1734.389+/-0.210 χ^2/NDF: 920445.9/58



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.466+/-351.944 χ^2/NDF:22.4/12

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1412.219+/-1369.082 χ^2/NDF:5.1/10

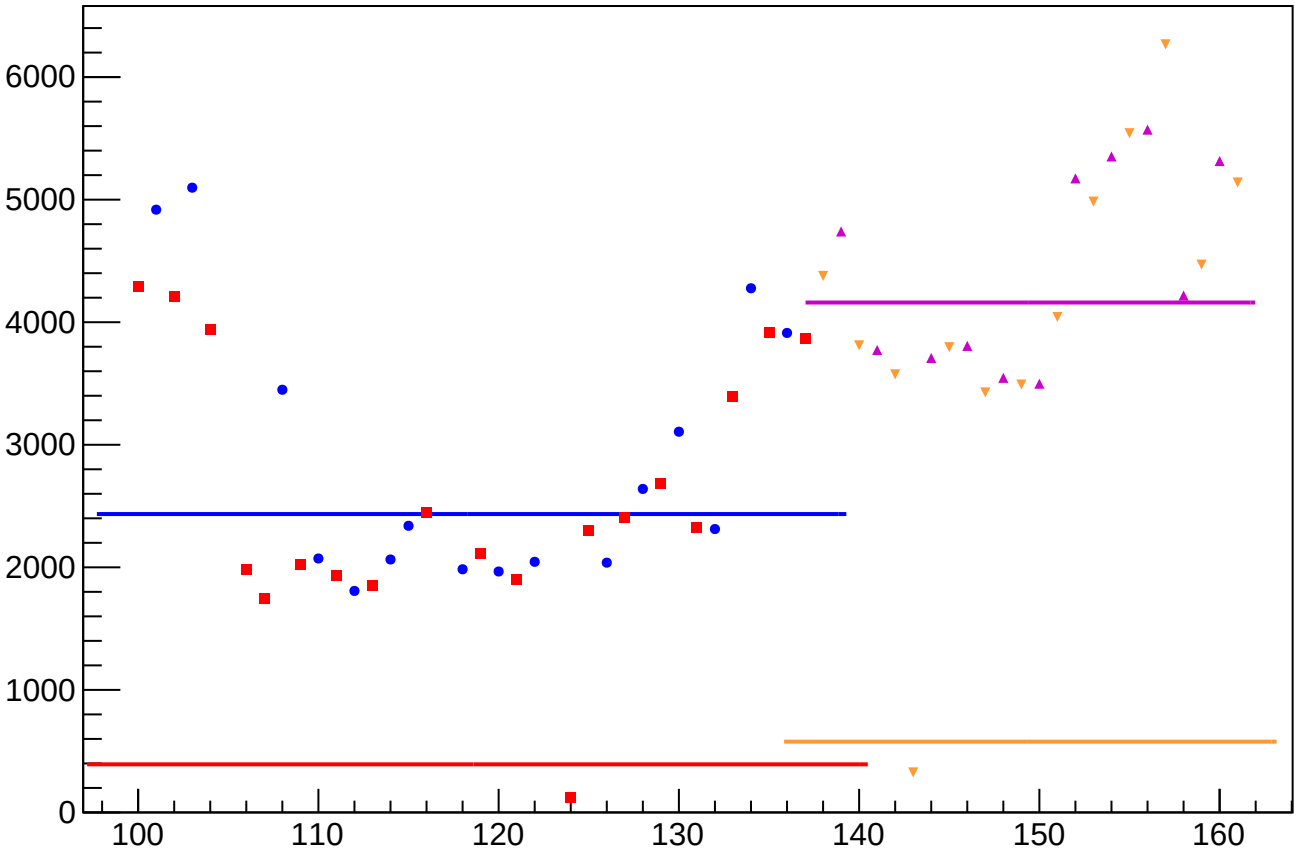
Left: 66.733+/-340.861 χ^2/NDF: 28.7/23

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -263.892+/-786.542 χ^2/NDF:21.5/26

Out: 22.240+/-235.030 χ^2/NDF:43.3/31

All: -1.214+/-225.191 χ^2/NDF: 64.9/58



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 577.694+/-0.249 χ^2/NDF:15084351.5/12

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

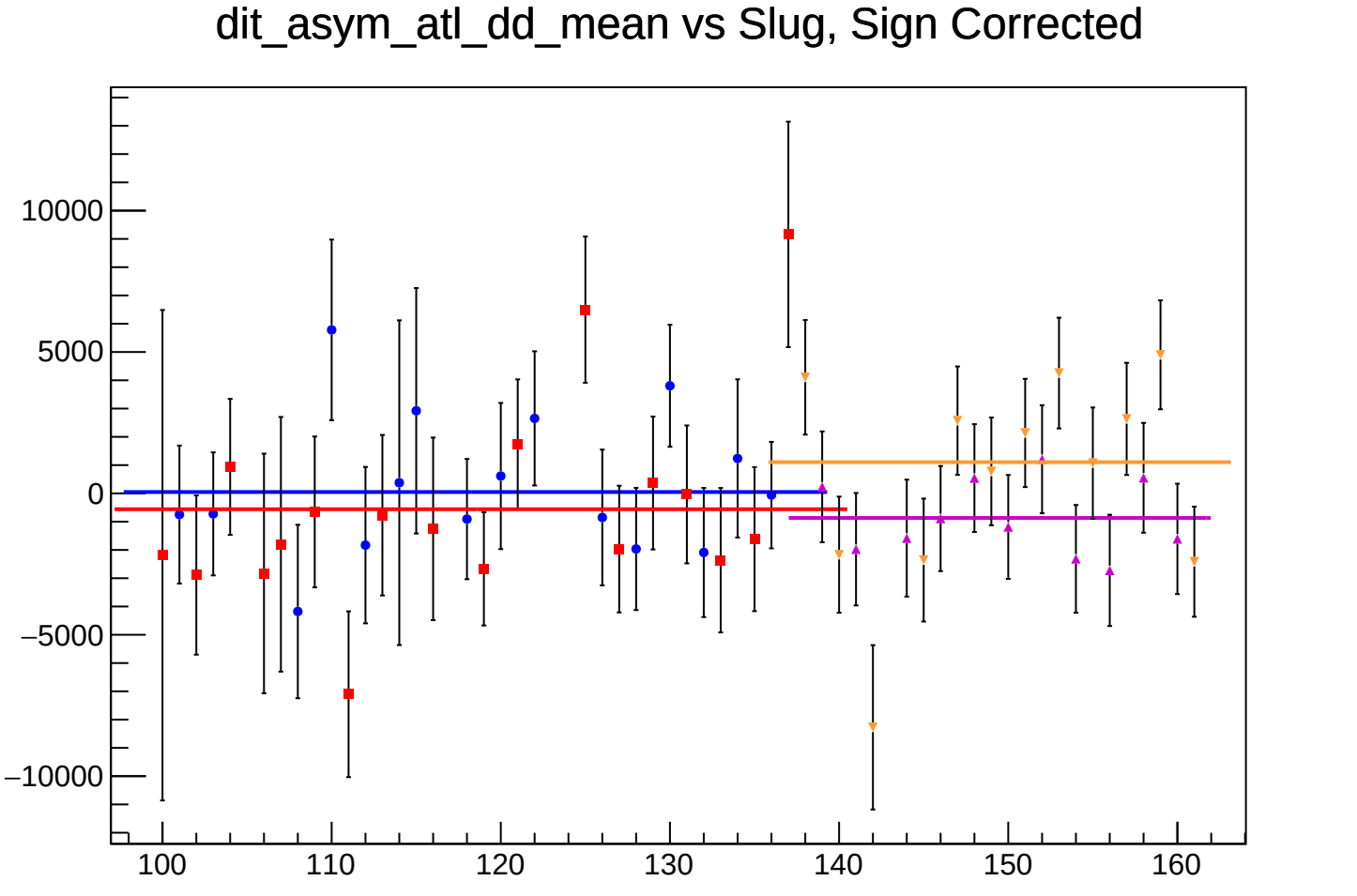
Left: 799.795+/-0.241 χ^2/NDF: 28469931.8/23

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

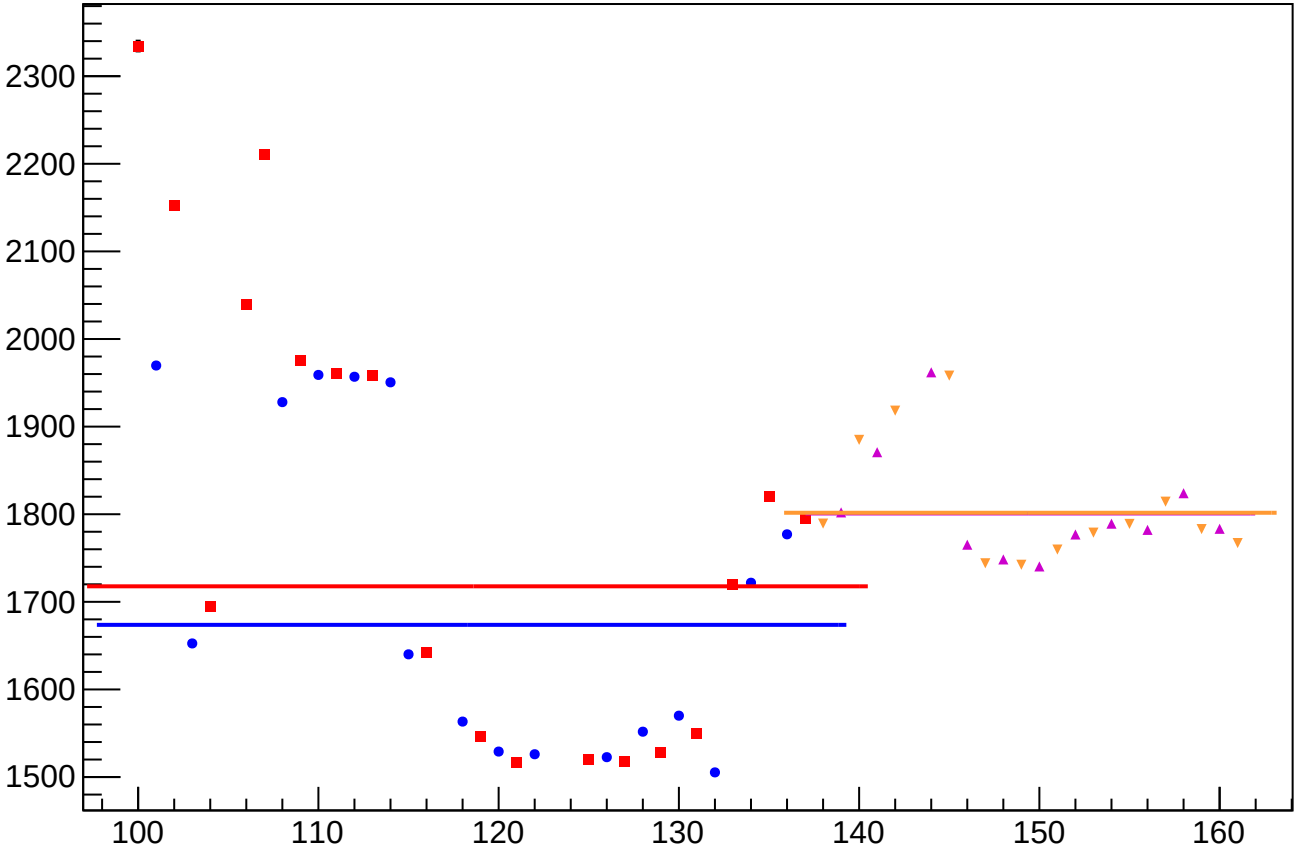
In: 3004.431+/-0.556 χ^2/NDF:4121593.8/26

Out: 475.181+/-0.166 χ^2/NDF:26798623.2/31

All: 682.505+/-0.159 χ^2/NDF: 49905898.1/58


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 1105.010+/-583.355 χ²/NDF:28.9/11
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -868.224+/-582.805 χ²/NDF:4.6/10
Left: 117.463+/-412.300 χ²/NDF: 39.3/22
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -442.766+/-426.607 χ²/NDF:18.6/26
Out: 356.407+/-432.739 χ²/NDF:55.9/29
All: -48.882+/-303.801 χ²/NDF: 76.2/56

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1801.678+/-0.412 χ^2/NDF:22913.0/11

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1800.855+/-0.412 χ^2/NDF:20047.7/10

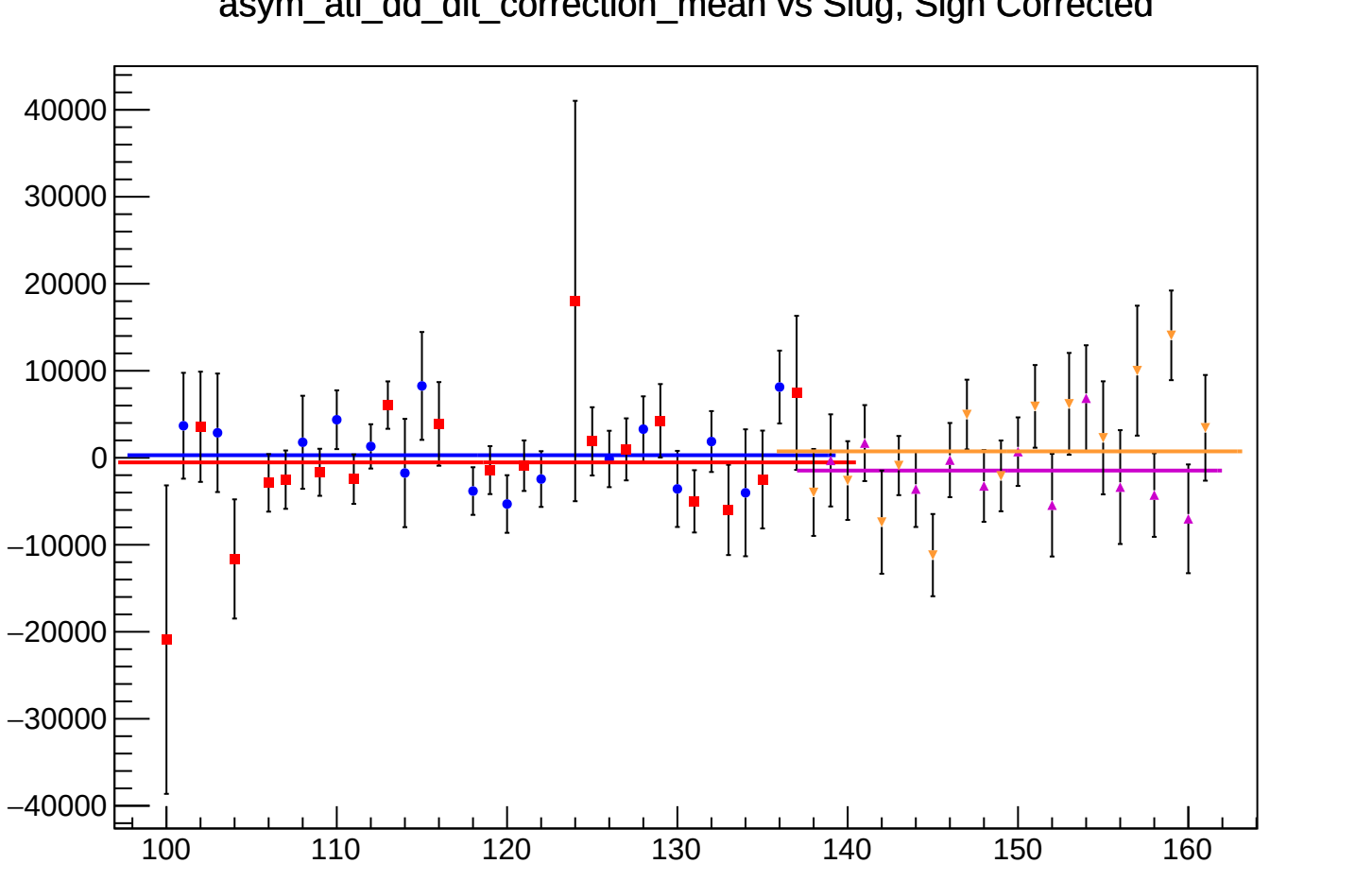
Left: 1801.266+/-0.292 χ^2/NDF: 42962.8/22

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1741.844+/-0.302 χ^2/NDF:205093.4/26

Out: 1763.821+/-0.306 χ^2/NDF:269236.1/29

All: 1752.687+/-0.215 χ^2/NDF: 476948.4/56



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 739.539+/-1347.219 χ^2/NDF:22.1/12

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1468.030+/-1463.936 χ^2/NDF:4.9/10

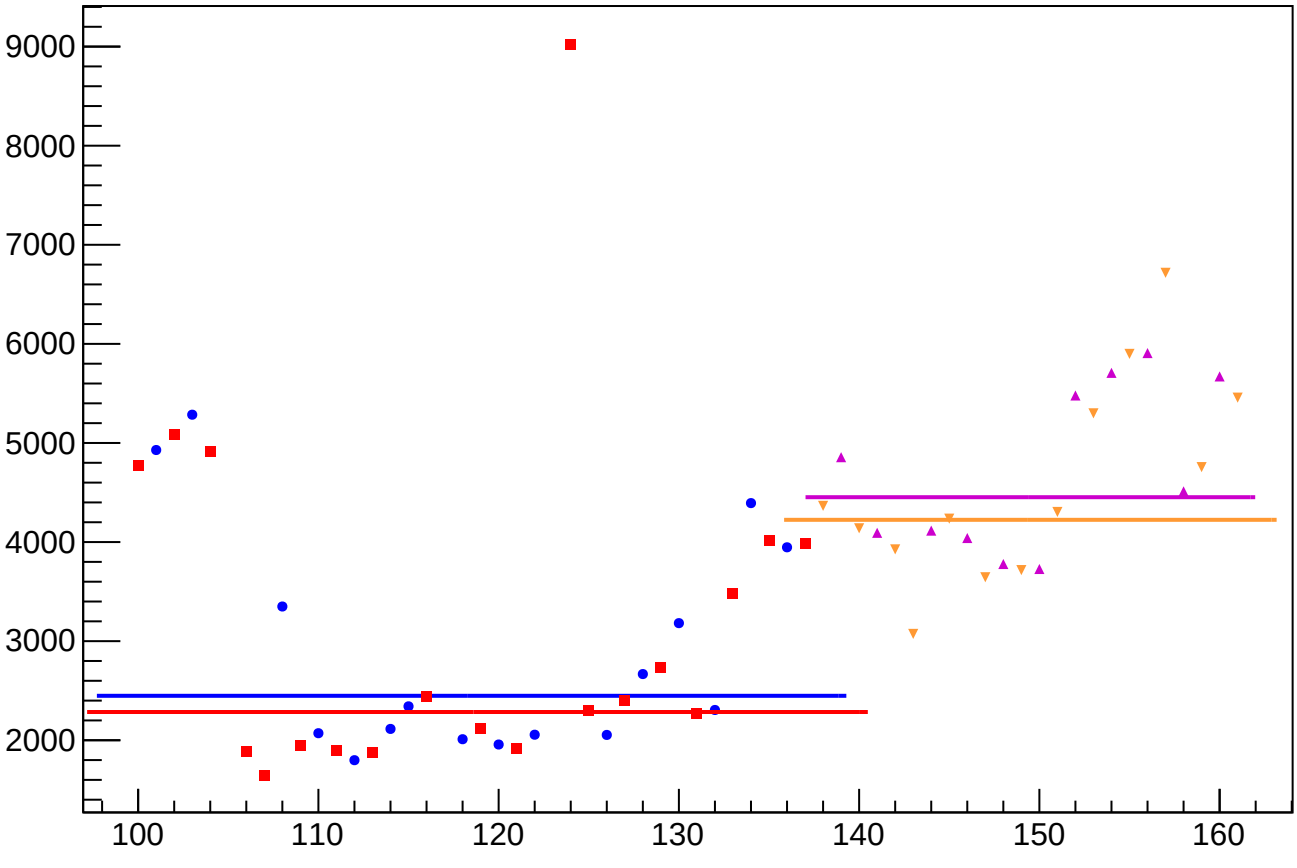
Left: -272.747+/-991.326 χ^2/NDF: 28.2/23

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -237.721+/-805.513 χ^2/NDF:21.2/26

Out: -148.629+/-739.076 χ^2/NDF:41.5/31

All: -189.350+/-544.581 χ^2/NDF: 62.6/58



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4224.468+/-0.953 χ^2/NDF:836675.8/12

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4452.757+/-1.035 χ^2/NDF:497392.4/10

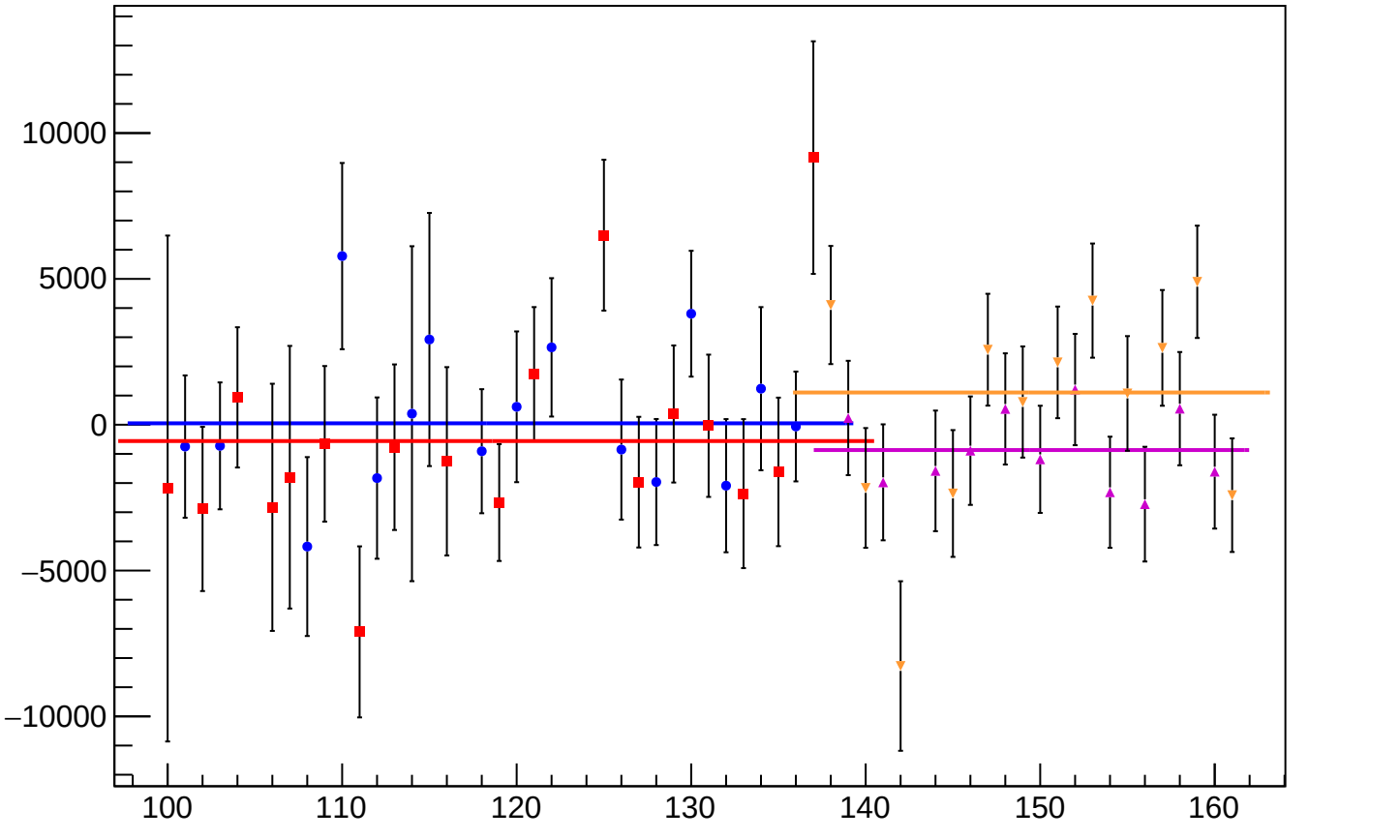
Left: 4329.151+/-0.701 χ^2/NDF: 1360401.9/23

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3055.381+/-0.570 χ^2/NDF:4628531.2/26

Out: 2868.746+/-0.523 χ^2/NDF:5282774.6/31

All: 2954.051+/-0.385 χ^2/NDF: 9969598.8/58



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1105.012+/-583.355 χ^2/NDF:28.9/11

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -868.225+/-582.805 χ^2/NDF:4.6/10

Left: 117.463+/-412.300 χ^2/NDF: 39.3/22

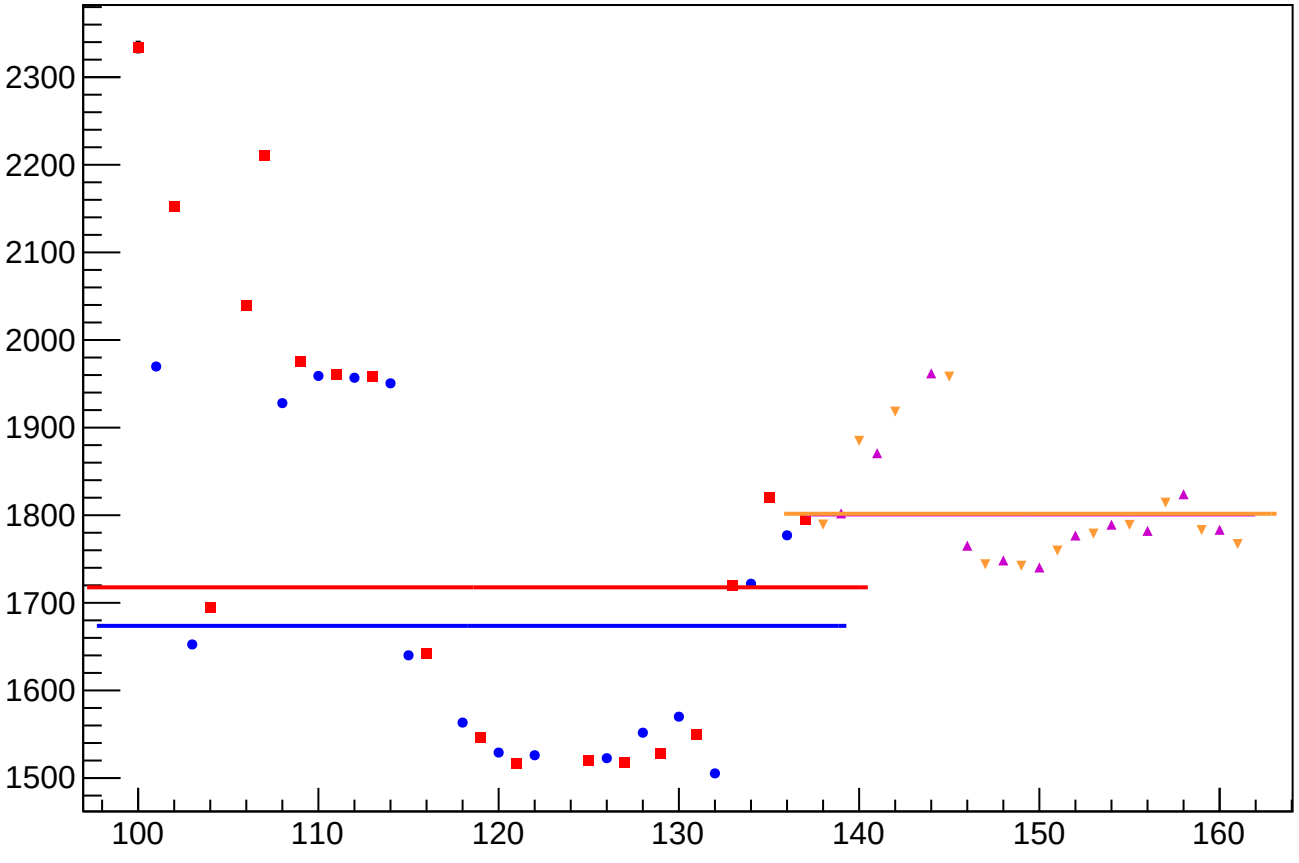
Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -442.767+/-426.607 χ^2/NDF:18.6/26

Out: 356.406+/-432.739 χ^2/NDF:55.9/29

All: -48.883+/-303.801 χ^2/NDF: 76.2/56

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1801.679+/-0.412 χ^2/NDF:22913.5/11

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1800.856+/-0.412 χ^2/NDF:20047.9/10

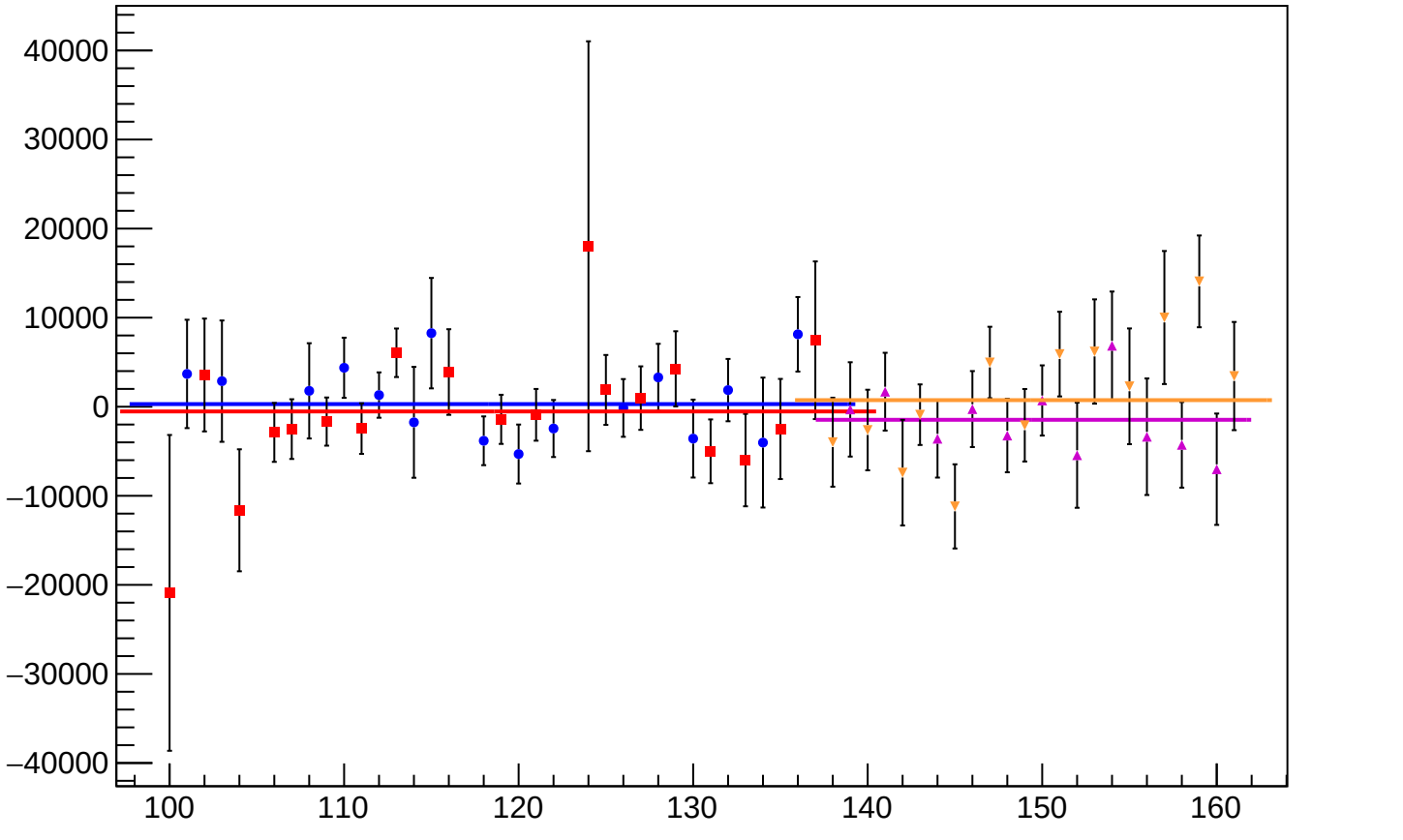
Left: 1801.267+/-0.292 χ^2/NDF: 42963.4/22

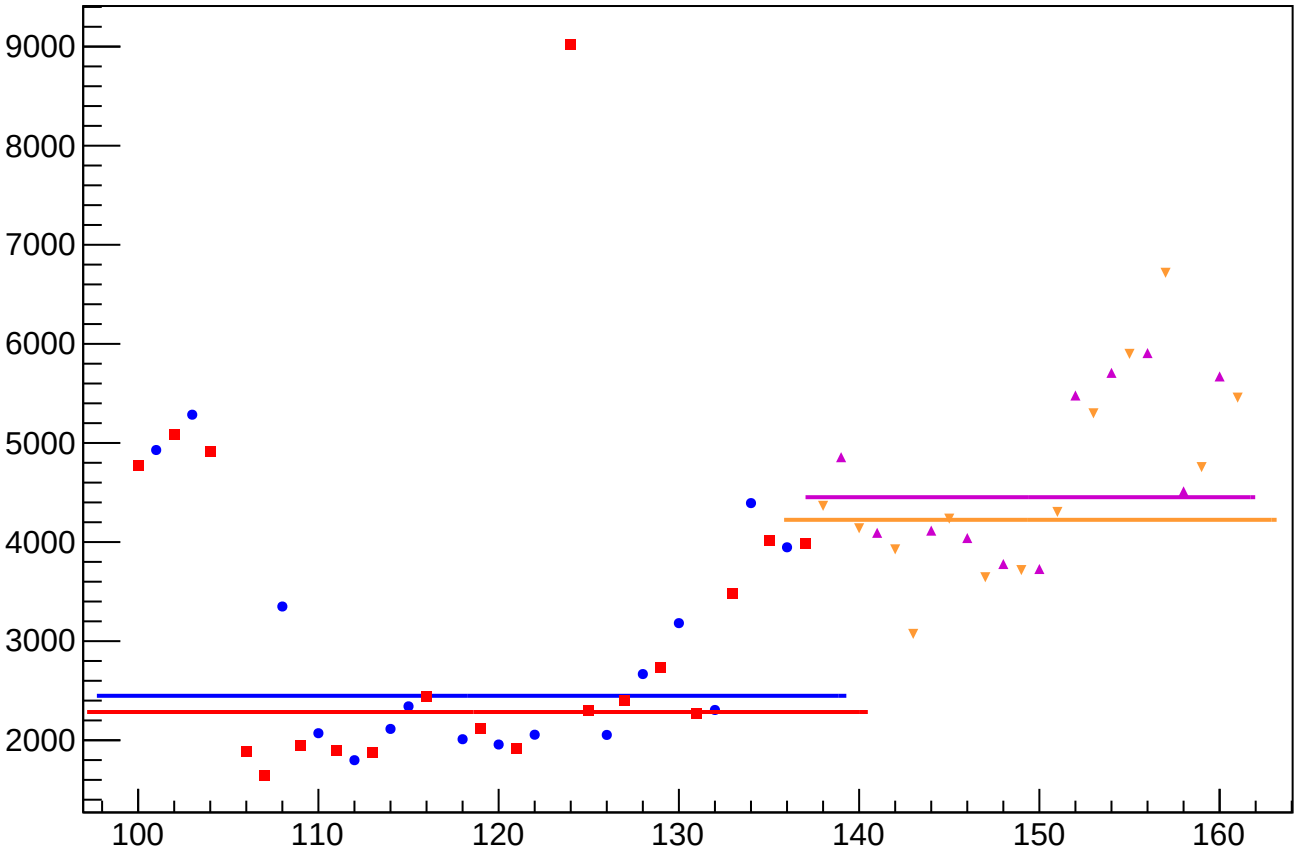
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1741.844+/-0.302 χ^2/NDF:205094.5/26

Out: 1763.822+/-0.306 χ^2/NDF:269236.4/29

All: 1752.688+/-0.215 χ^2/NDF: 476949.7/56


asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 296.511+/-964.673 χ²/NDF: 15.3/15
Left Out: 739.543+/-1347.221 χ²/NDF:22.1/12
Right Out: -531.009+/-883.966 χ²/NDF: 18.8/18
Left In: -1468.031+/-1463.938 χ²/NDF:4.9/10
Left: -272.745+/-991.327 χ²/NDF: 28.2/23
Right: -153.308+/-651.726 χ²/NDF: 34.4/34
In: -237.721+/-805.511 χ²/NDF:21.2/26
Out: -148.632+/-739.075 χ²/NDF:41.5/31
All: -189.352+/-544.580 χ²/NDF: 62.6/58



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4224.473+/-0.953 χ^2/NDF:836679.5/12

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4452.762+/-1.035 χ^2/NDF:497394.9/10

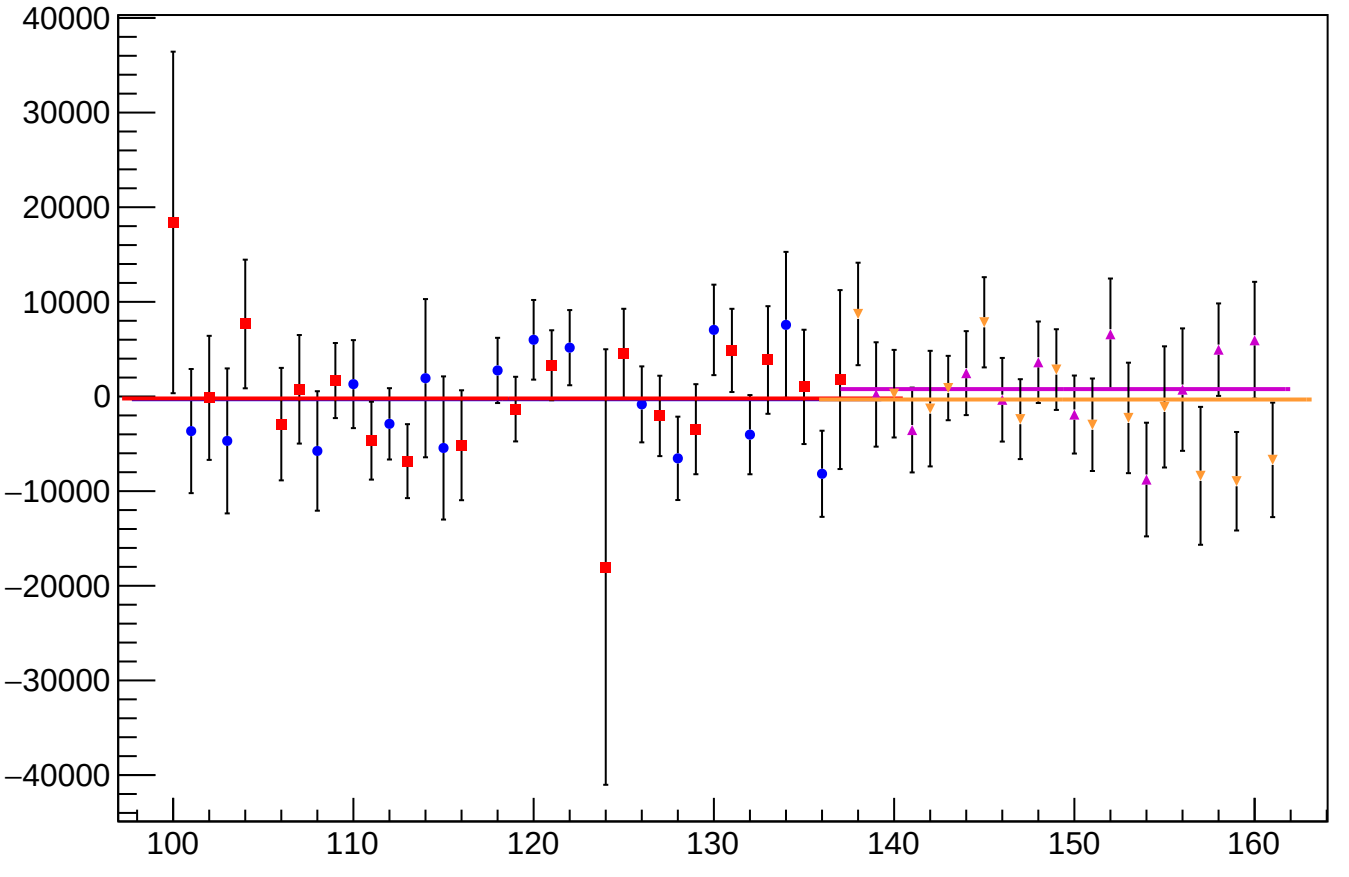
Left: 4329.156+/-0.701 χ^2/NDF: 1360408.2/23

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3055.370+/-0.570 χ^2/NDF:4628589.9/26

Out: 2868.737+/-0.523 χ^2/NDF:5282826.9/31

All: 2954.041+/-0.385 χ^2/NDF: 9969709.1/58



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -318.236+/-1376.374 χ^2/NDF:12.2/12

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 782.200+/-1497.188 χ^2/NDF:6.9/10

Left: 185.798+/-1013.266 χ^2/NDF: 19.4/23

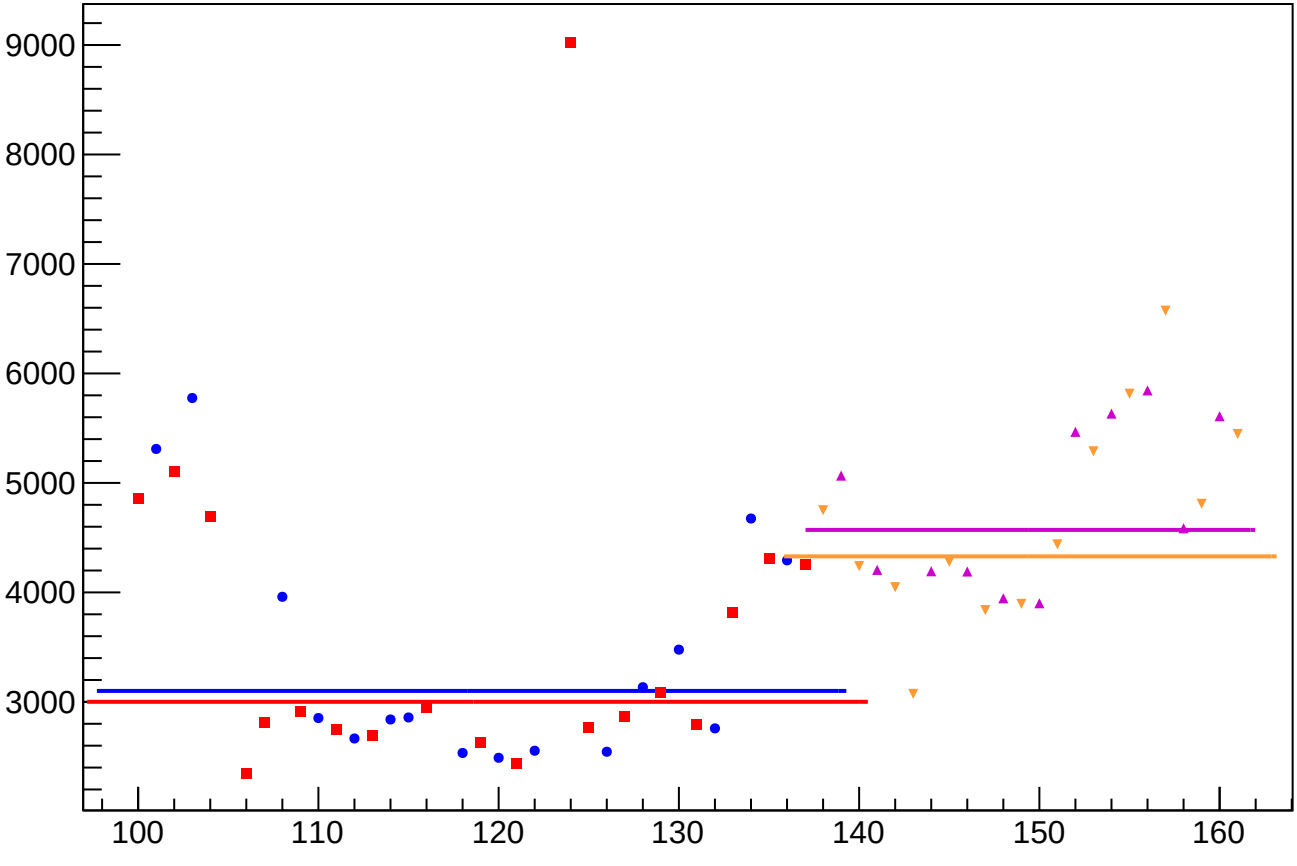
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 129.906+/-935.090 χ^2/NDF:23.8/26

Out: -254.357+/-884.189 χ^2/NDF:25.1/31

All: -72.969+/-642.457 χ^2/NDF: 49.0/58

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4329.110+/-0.973 χ^2/NDF:775503.2/12

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4570.945+/-1.059 χ^2/NDF:396724.5/10

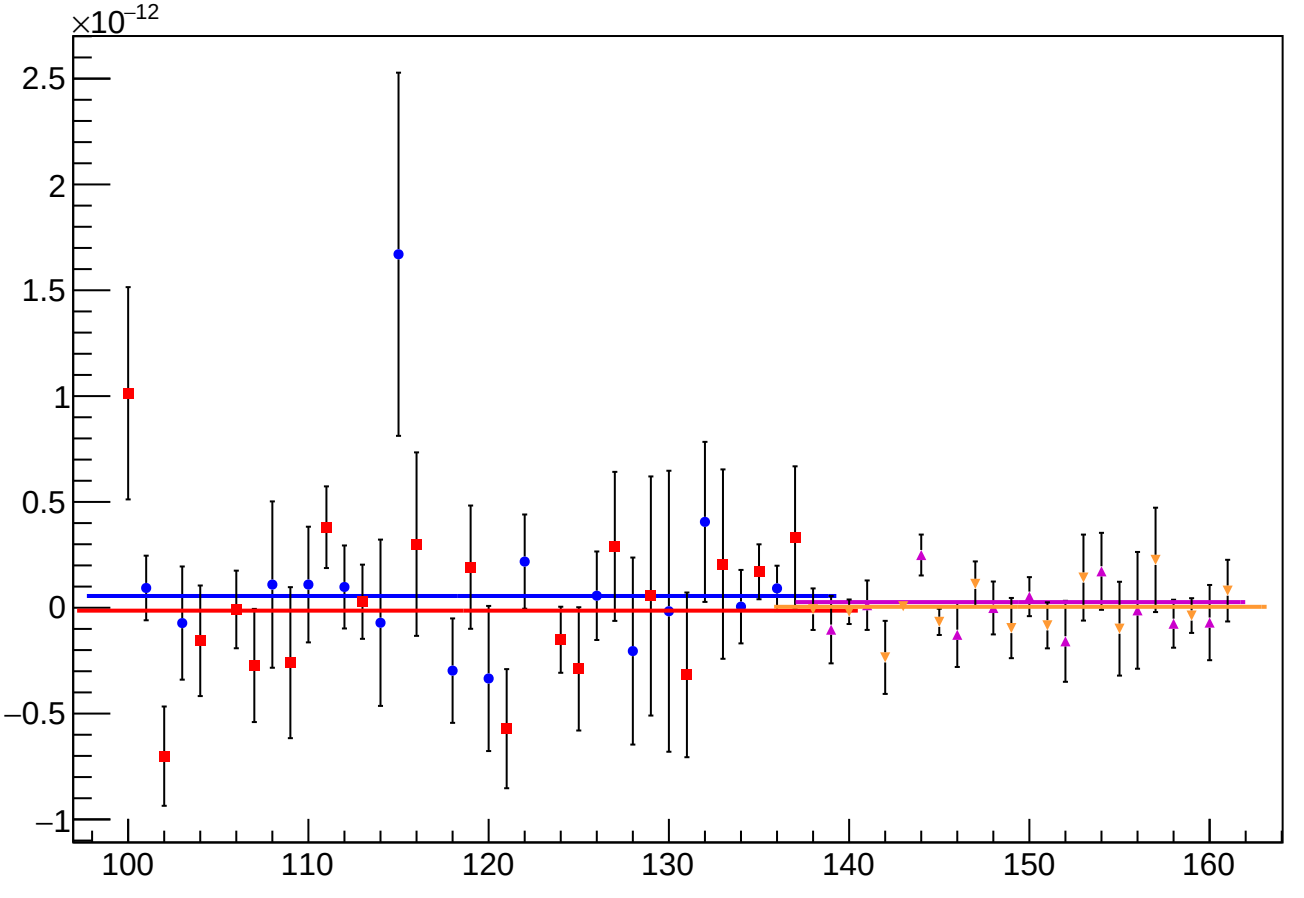
Left: 4439.878+/-0.716 χ^2/NDF: 1200508.3/23

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3673.868+/-0.661 χ^2/NDF:2537630.3/26

Out: 3540.212+/-0.620 χ^2/NDF:2688458.8/31

All: 3602.769+/-0.452 χ^2/NDF: 5247824.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/10

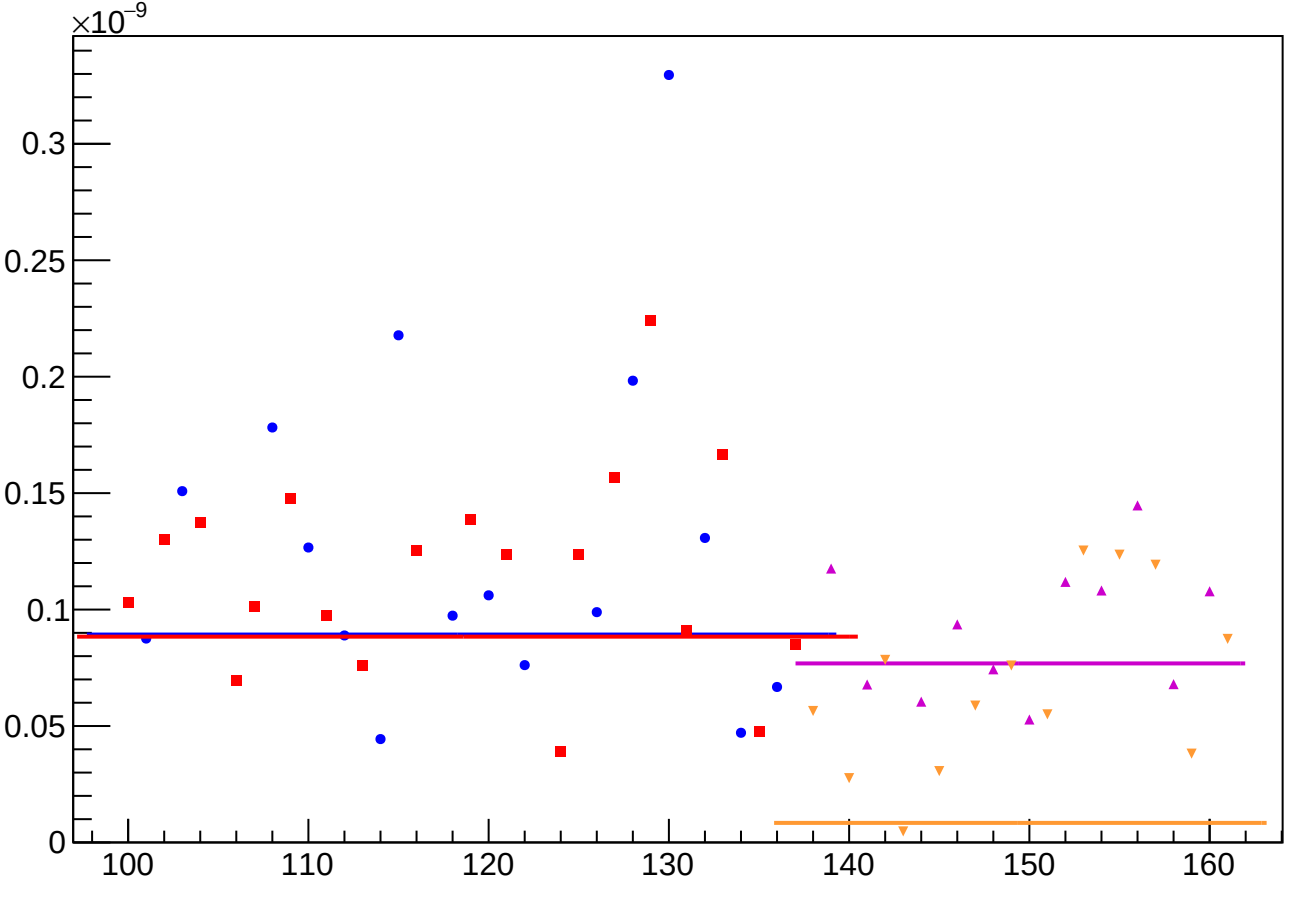
Left: 0.000+/-0.000 χ^2/NDF: 17.8/23

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:19.3/26

Out: 0.000+/-0.000 χ^2/NDF:37.8/31

All: 0.000+/-0.000 χ^2/NDF: 58.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5347619.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:682547.8/10

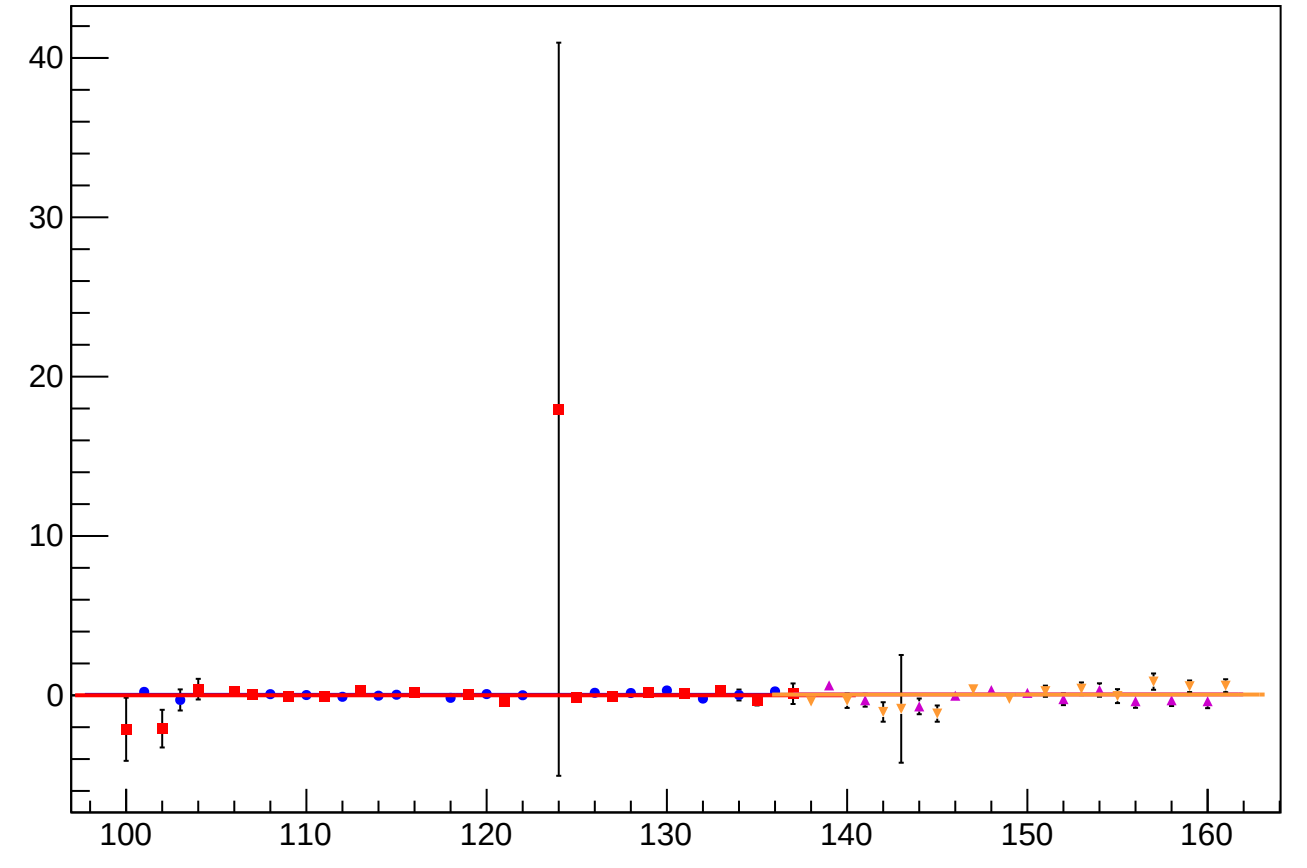
Left: 0.000+/-0.000 χ^2/NDF: 11633449.9/23

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1696290.2/26

Out: 0.000+/-0.000 χ^2/NDF:10380180.8/31

All: 0.000+/-0.000 χ^2/NDF: 20886106.4/58



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.060+/-0.104 χ^2/NDF:14.0/10

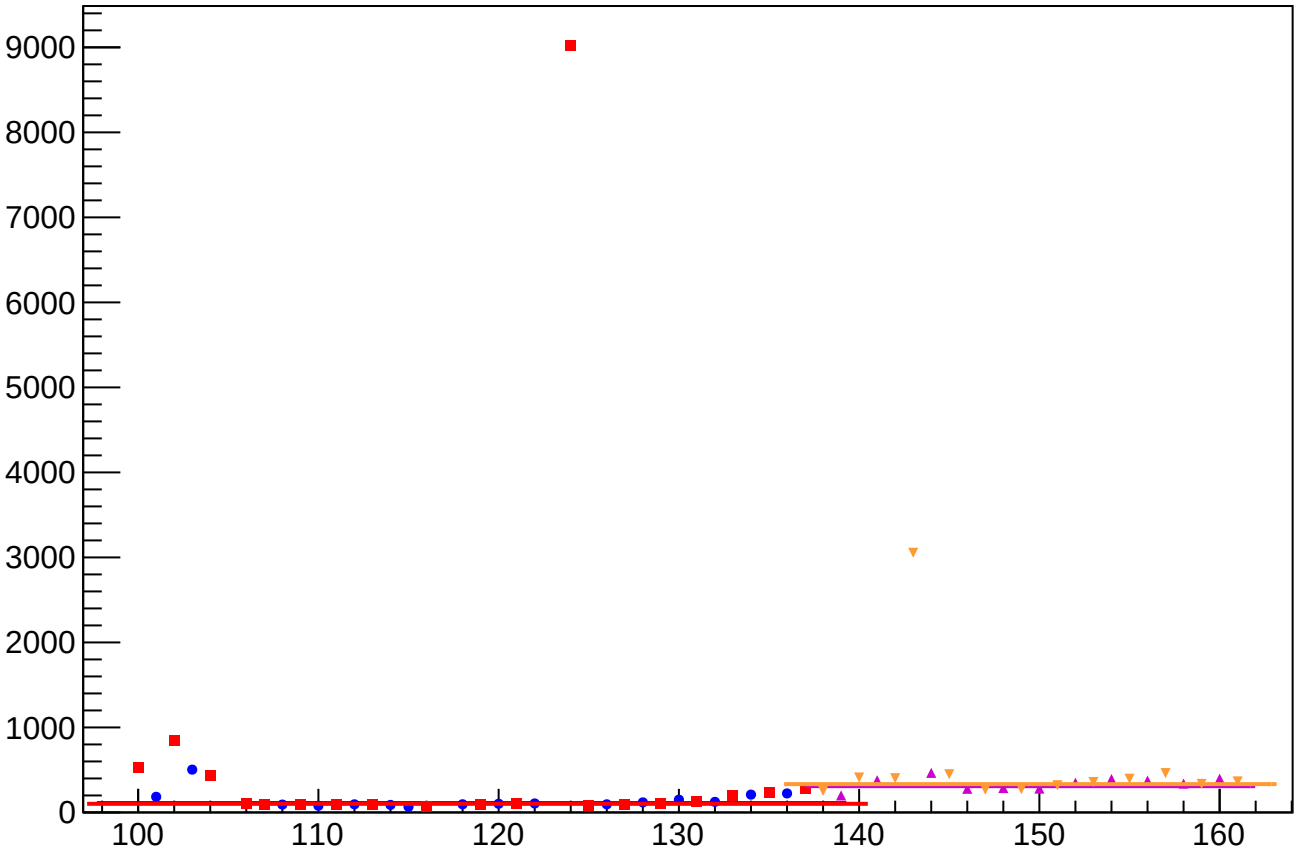
Left: 0.054+/-0.076 χ^2/NDF: 35.4/23

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.009+/-0.040 χ^2/NDF:43.9/31

All: 0.021+/-0.029 χ^2/NDF: 67.1/58



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 333.145+/-0.078 χ^2/NDF:2004325.6/12

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

Left: 320.565+/-0.053 χ^2/NDF: 3052981.7/23

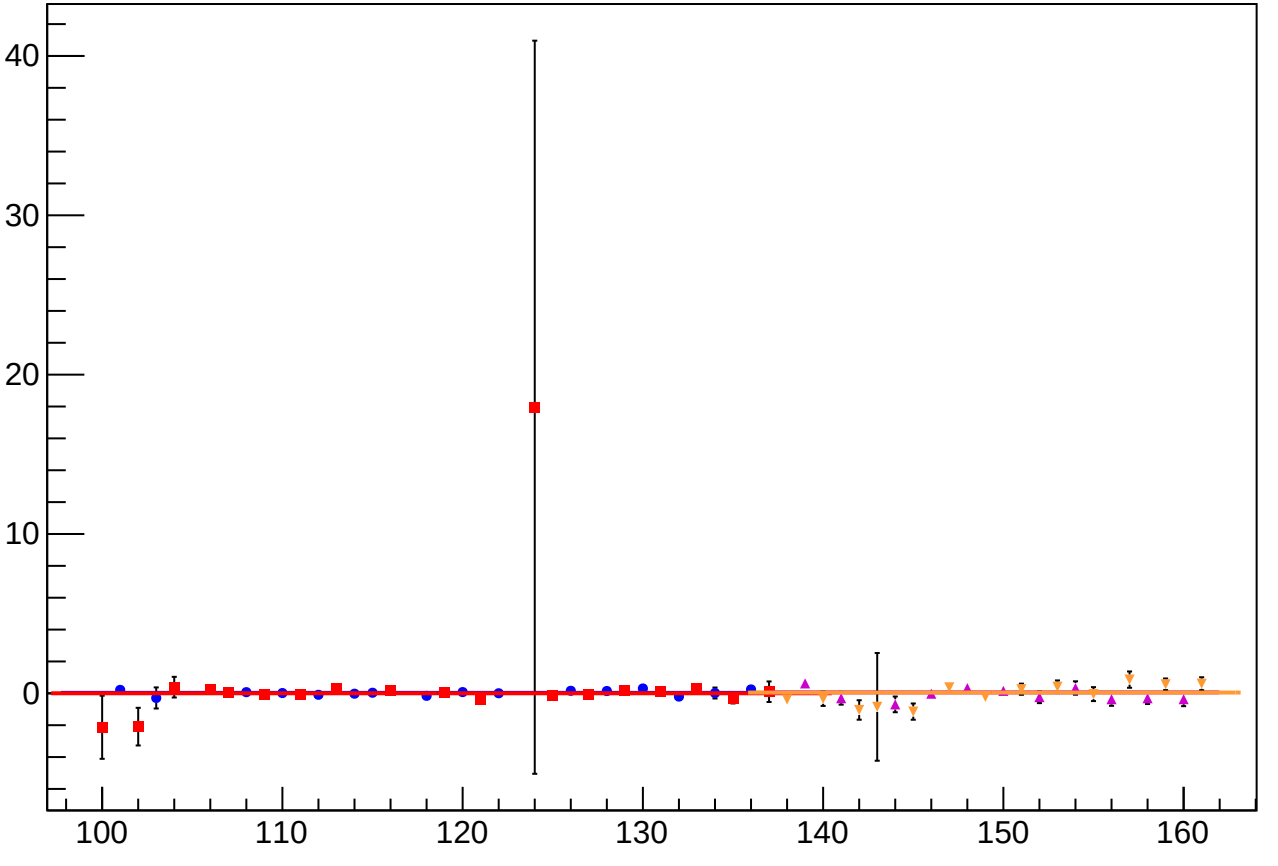
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 141.766+/-0.029 χ^2/NDF:9101323.5/26

Out: 133.072+/-0.029 χ^2/NDF:12271541.3/31

All: 137.292+/-0.020 χ^2/NDF: 21417963.8/58

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: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.060+/-0.104 χ^2/NDF:14.0/10

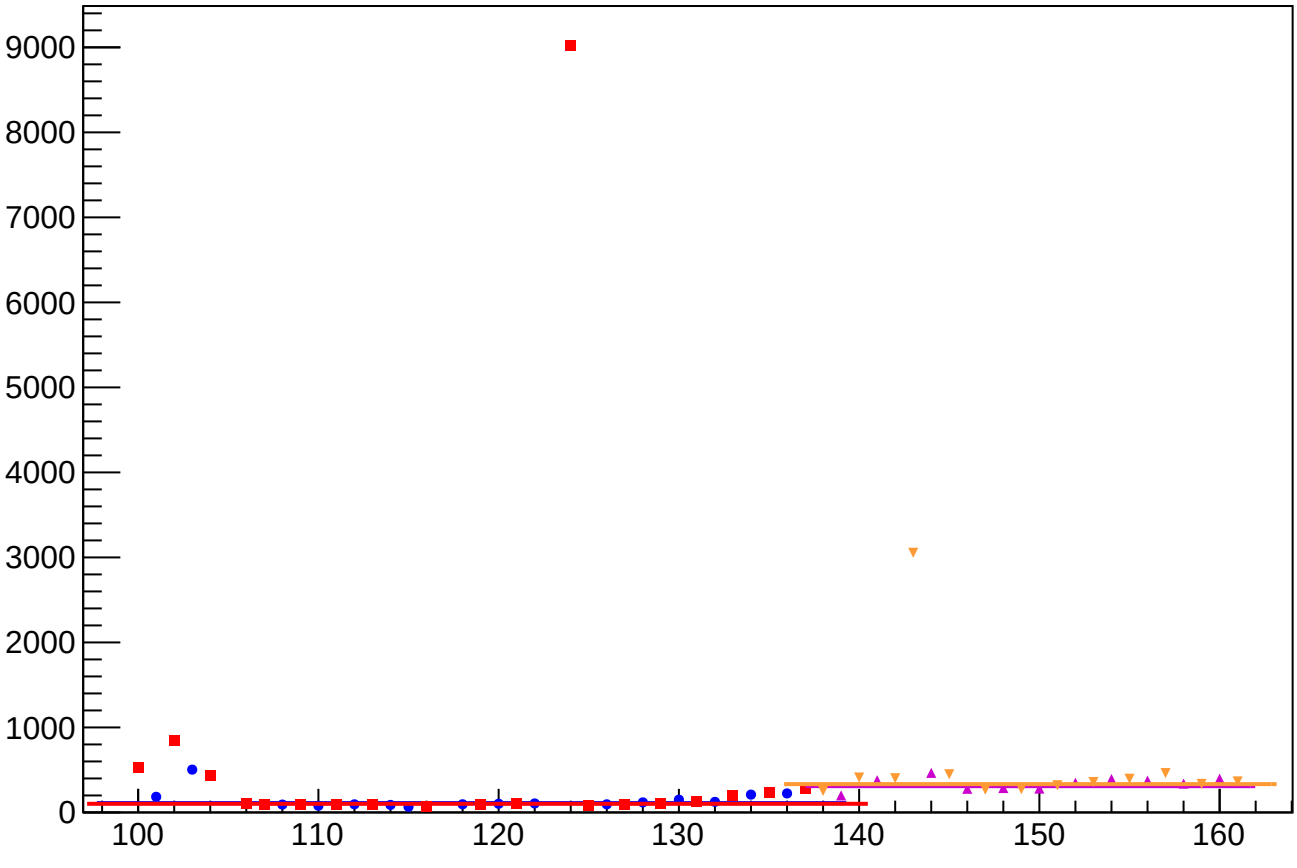
Left: 0.054+/-0.076 χ^2/NDF: 35.4/23

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.009+/-0.040 χ^2/NDF:43.9/31

All: 0.021+/-0.029 χ^2/NDF: 67.1/58



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 333.145+/-0.078 χ^2/NDF:2004325.6/12

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

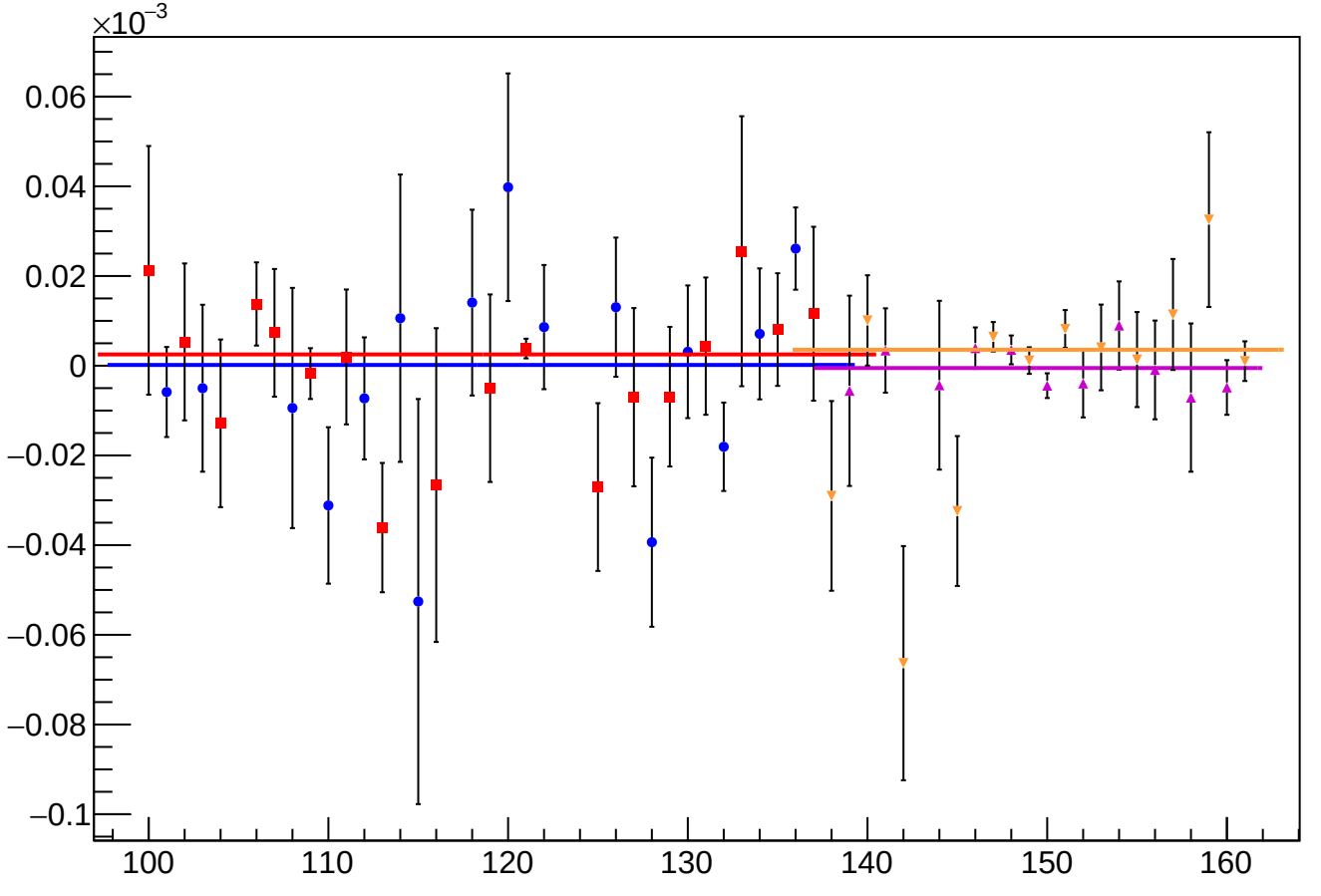
Left: 320.565+/-0.053 χ^2/NDF: 3052981.7/23

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 141.766+/-0.029 χ^2/NDF:9101323.5/26

Out: 133.072+/-0.029 χ^2/NDF:12271541.3/31

All: 137.292+/-0.020 χ^2/NDF: 21417963.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/10

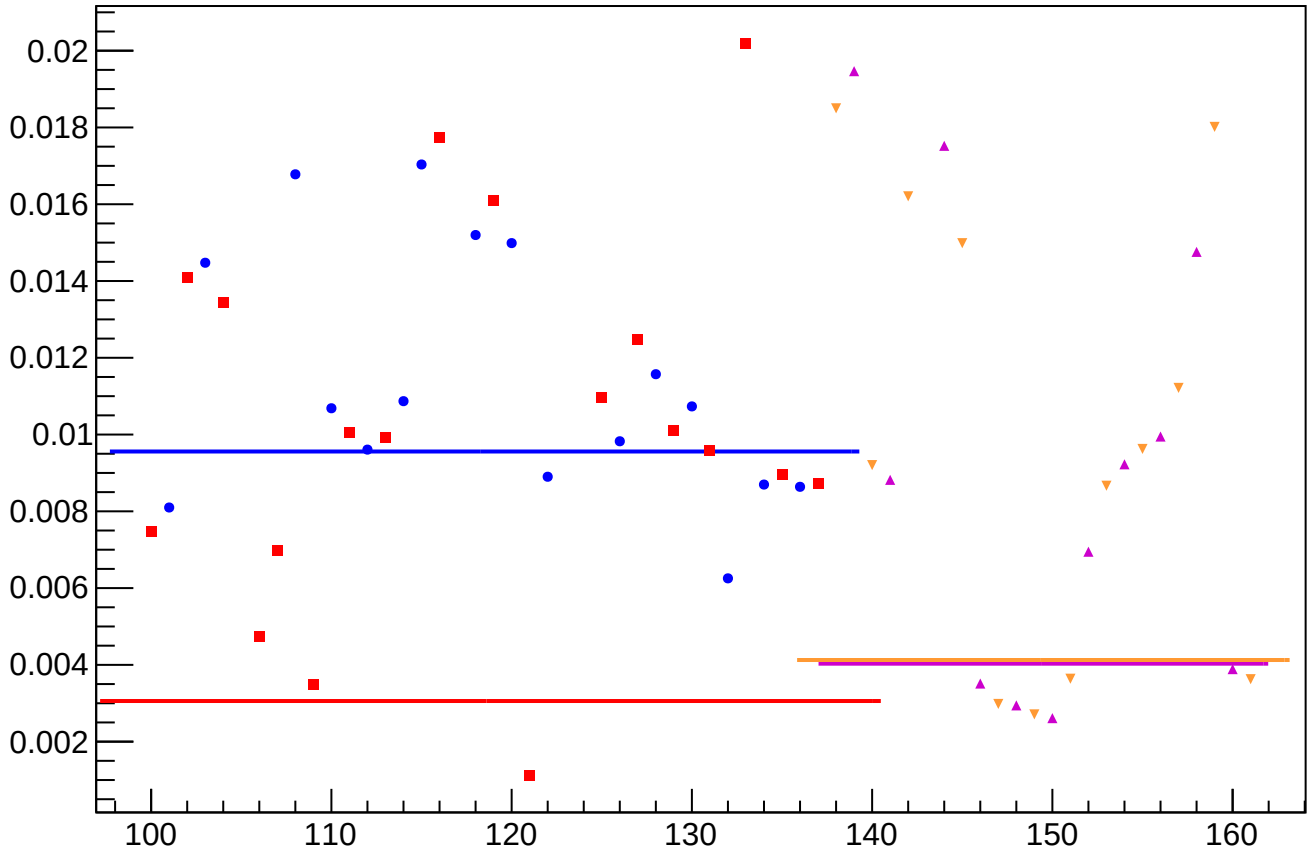
Left: 0.000+/-0.000 χ^2/NDF: 29.8/22

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.2/26

Out: 0.000+/-0.000 χ^2/NDF:36.2/29

All: 0.000+/-0.000 χ^2/NDF: 71.6/56



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6120464.1/11

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:5663397.3/10

Left: 0.004+/-0.000 χ^2/NDF: 11787140.3/22

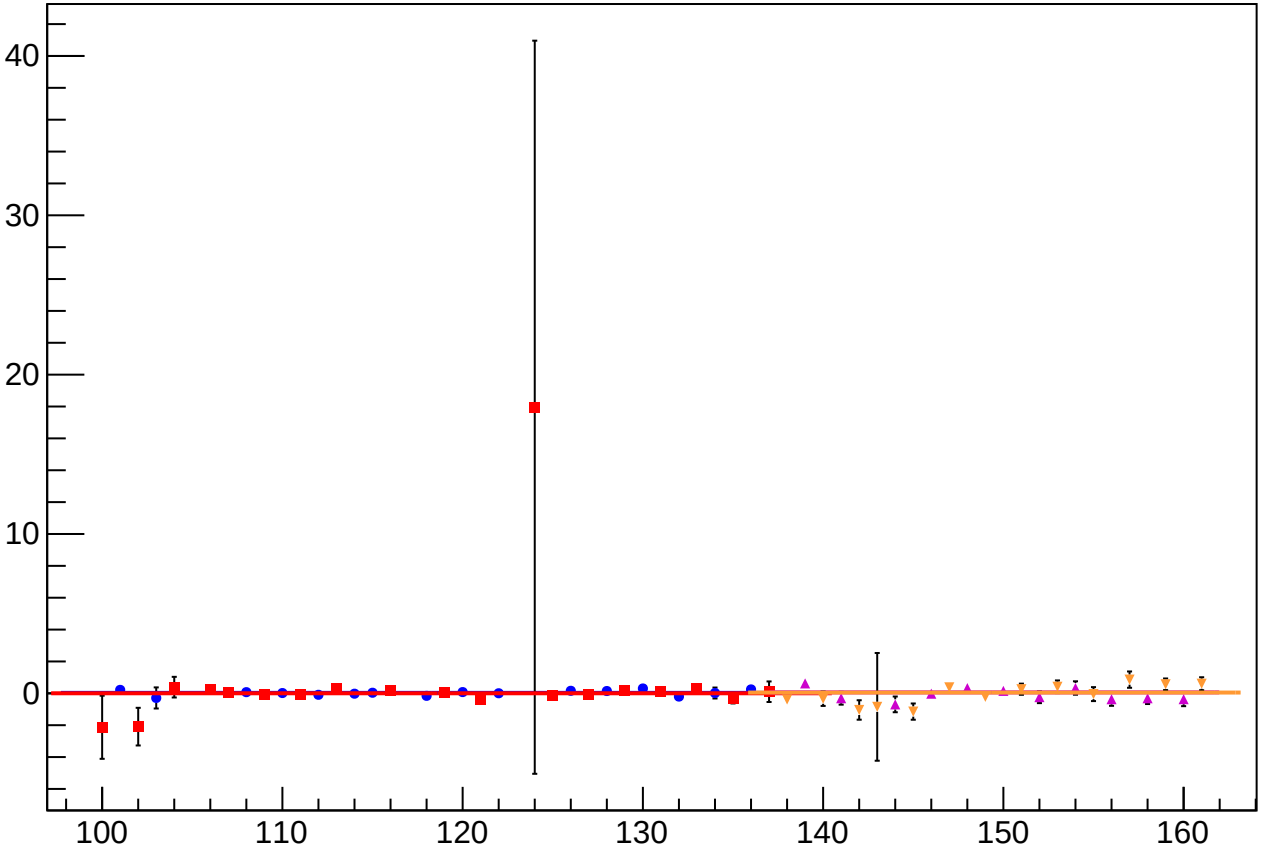
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10246571.1/26

Out: 0.004+/-0.000 χ^2/NDF:14615807.9/29

All: 0.004+/-0.000 χ^2/NDF: 25759772.6/56

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: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.060+/-0.104 χ^2/NDF:14.0/10

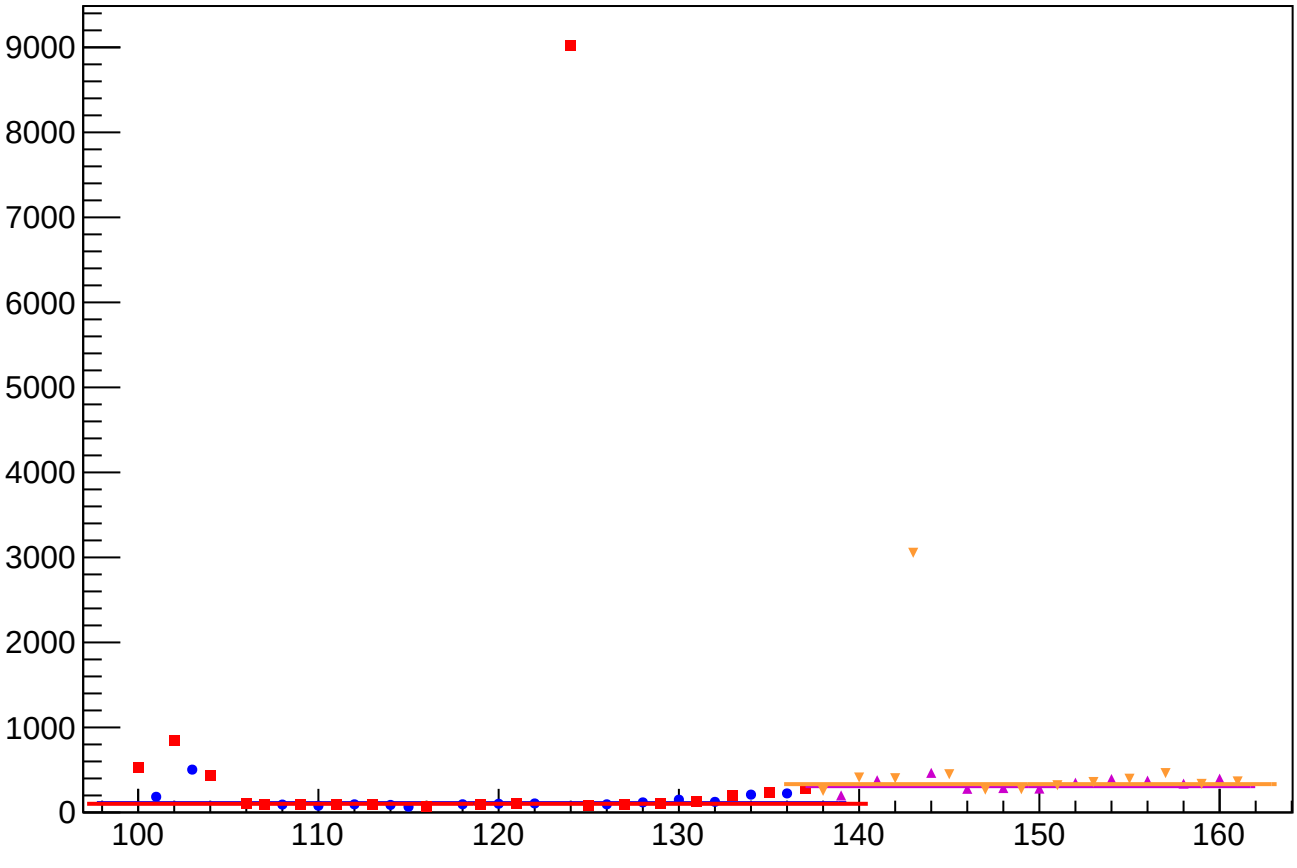
Left: 0.054+/-0.076 χ^2/NDF: 35.4/23

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.009+/-0.040 χ^2/NDF:43.9/31

All: 0.021+/-0.029 χ^2/NDF: 67.1/58



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 333.147+/-0.078 χ^2/NDF:2004371.7/12

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

Left: 320.568+/-0.053 χ^2/NDF: 3052997.4/23

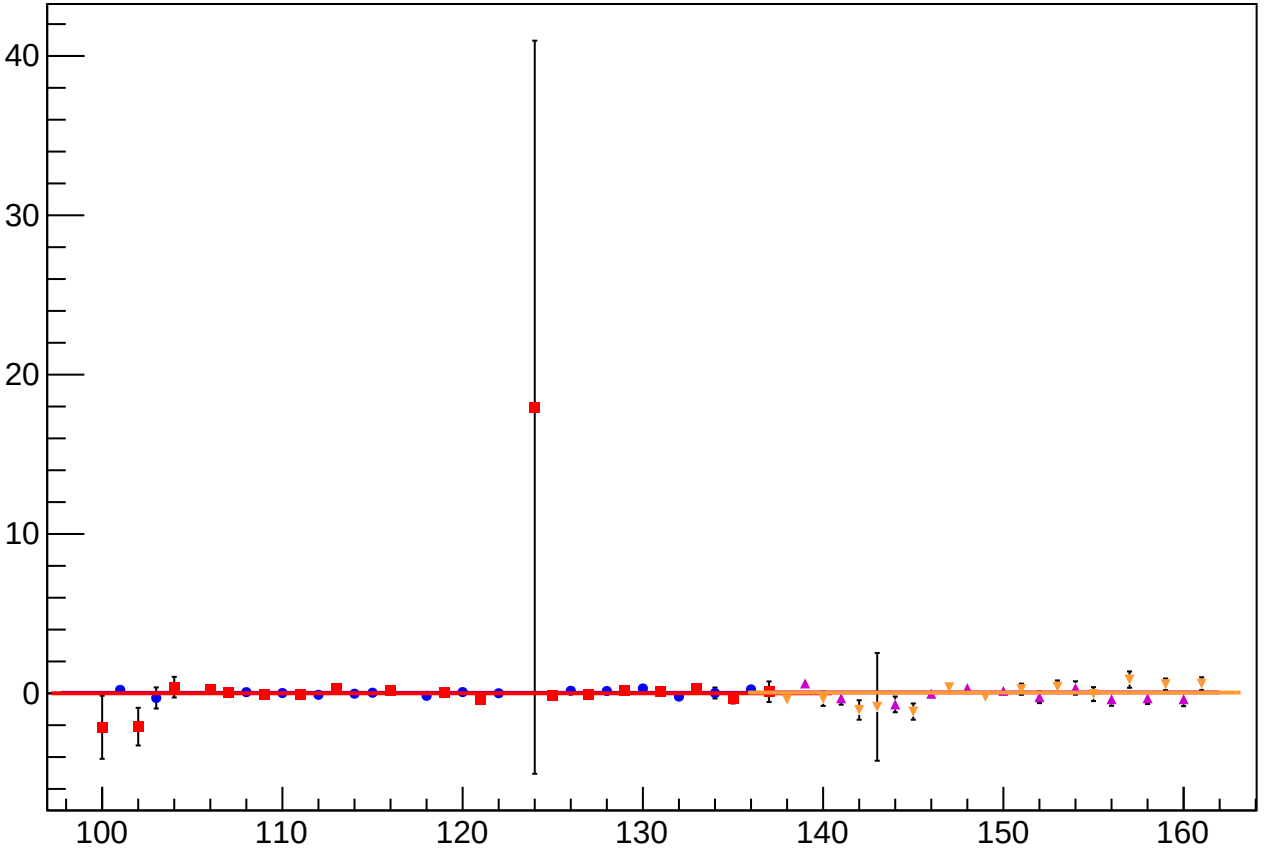
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 141.767+/-0.029 χ^2/NDF:9101296.8/26

Out: 133.073+/-0.029 χ^2/NDF:12271467.8/31

All: 137.293+/-0.020 χ^2/NDF: 21417858.9/58

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: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.060+/-0.104 χ^2/NDF:14.0/10

Left: 0.054+/-0.076 χ^2/NDF: 35.4/23

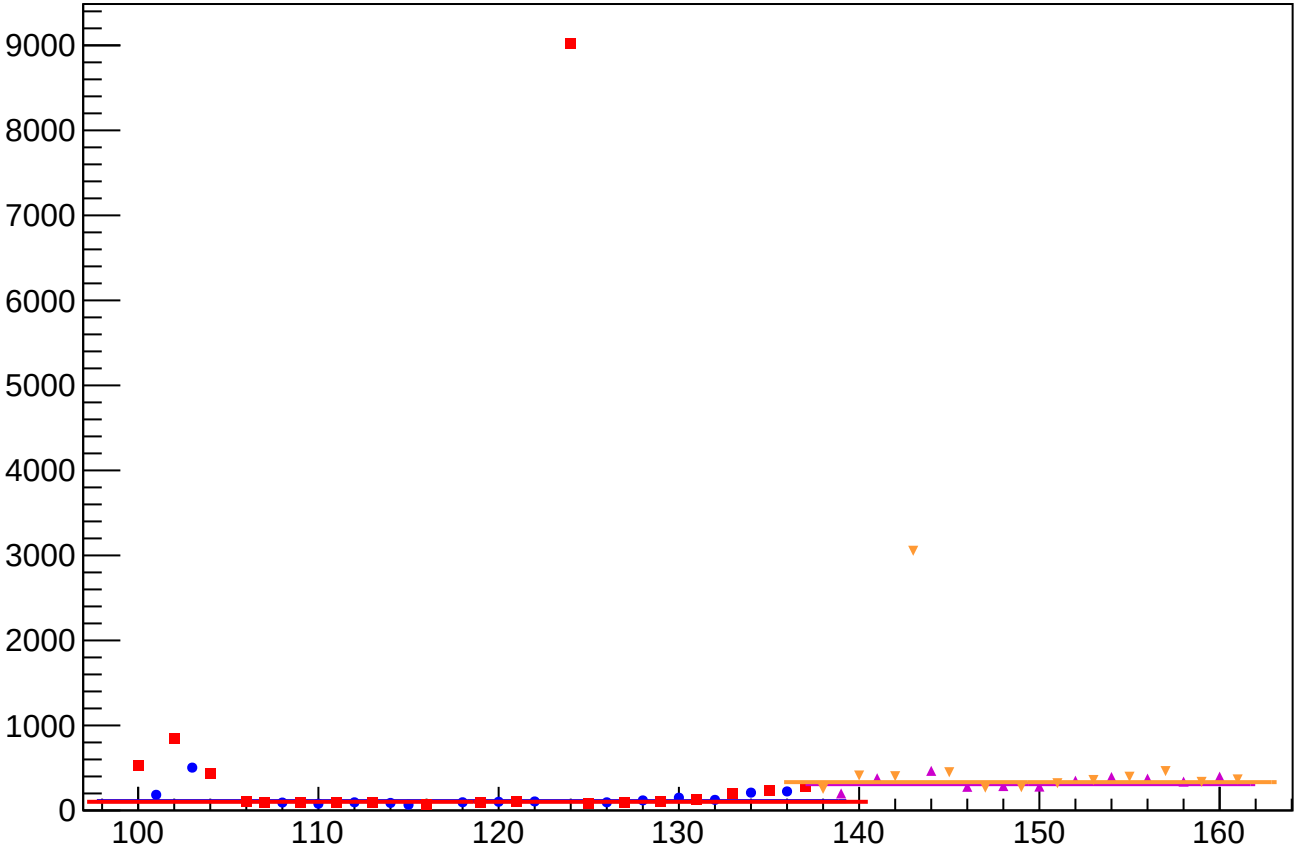
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.033+/-0.042 χ^2/NDF:23.0/26

Out: 0.009+/-0.040 χ^2/NDF:43.9/31

All: 0.021+/-0.029 χ^2/NDF: 67.1/58

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: 333.147+/-0.078 χ^2/NDF:2004371.7/12

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

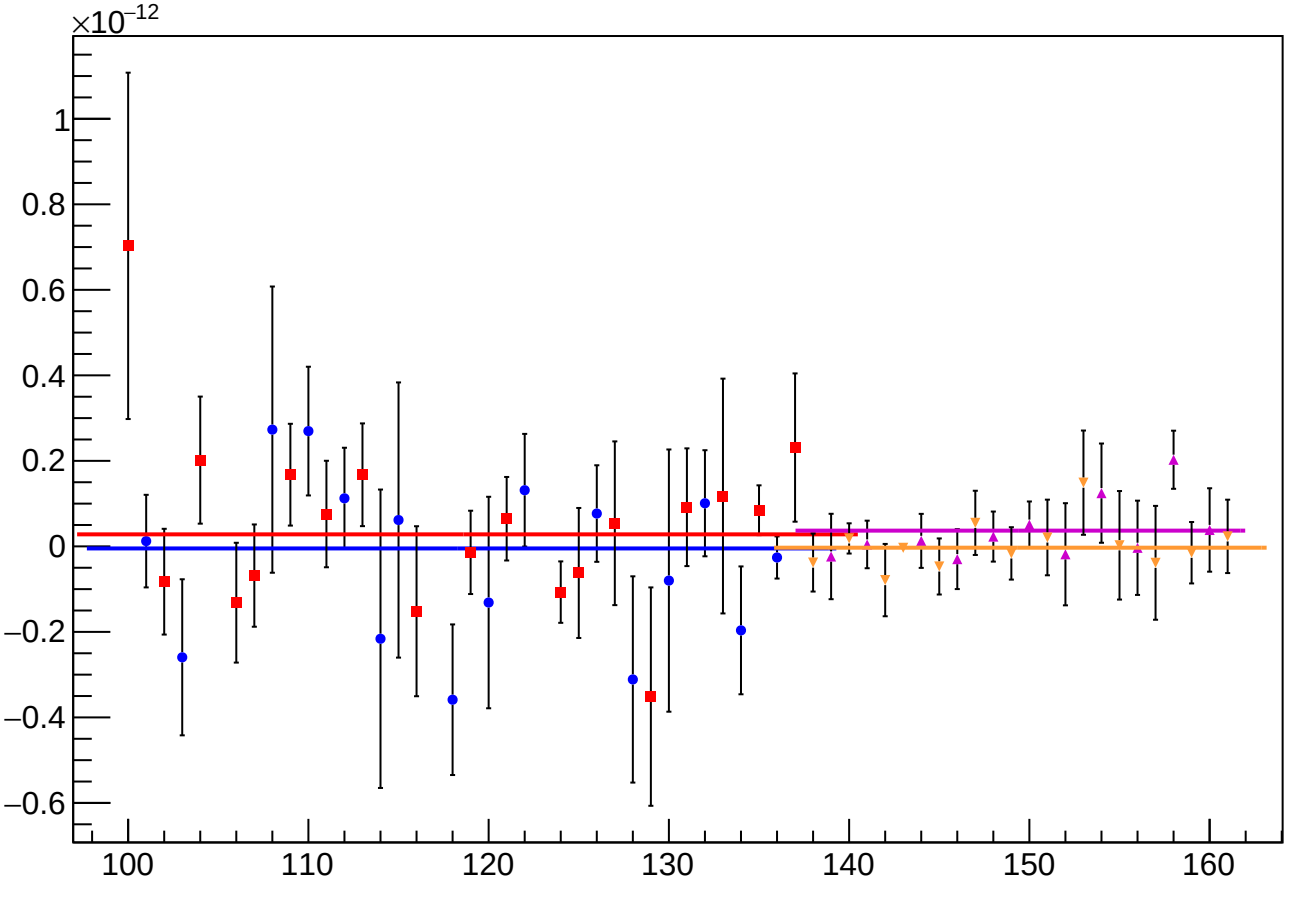
Left: 320.568+/-0.053 χ^2/NDF: 3052997.4/23

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 141.767+/-0.029 χ^2/NDF:9101296.8/26

Out: 133.073+/-0.029 χ^2/NDF:12271467.8/31

All: 137.293+/-0.020 χ^2/NDF: 21417858.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/10

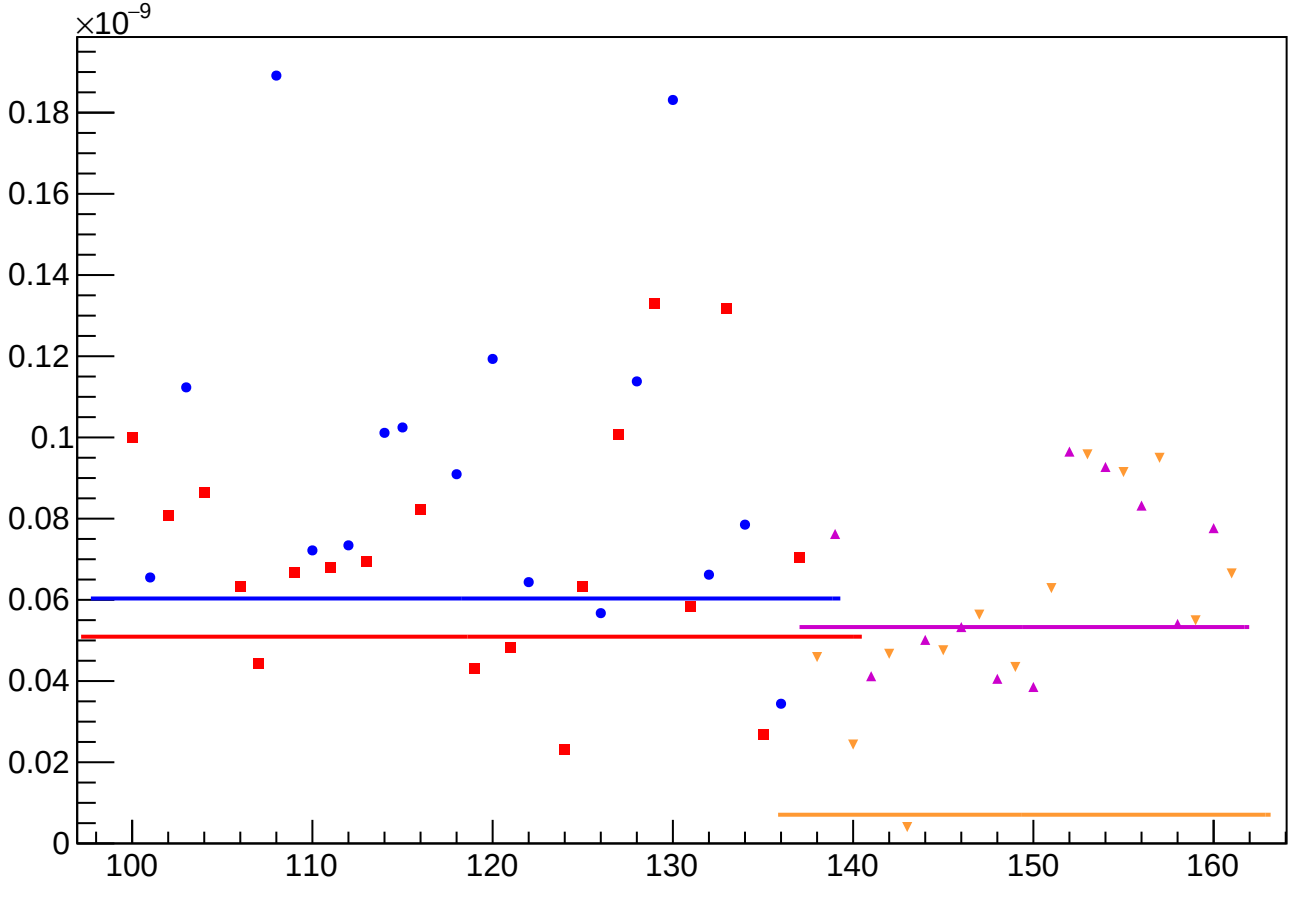
Left: -0.000+/-0.000 χ^2/NDF: 16.2/23

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:25.3/31

All: 0.000+/-0.000 χ^2/NDF: 54.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9950504.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1213026.5/10

Left: 0.000+/-0.000 χ^2/NDF: 19458975.9/23

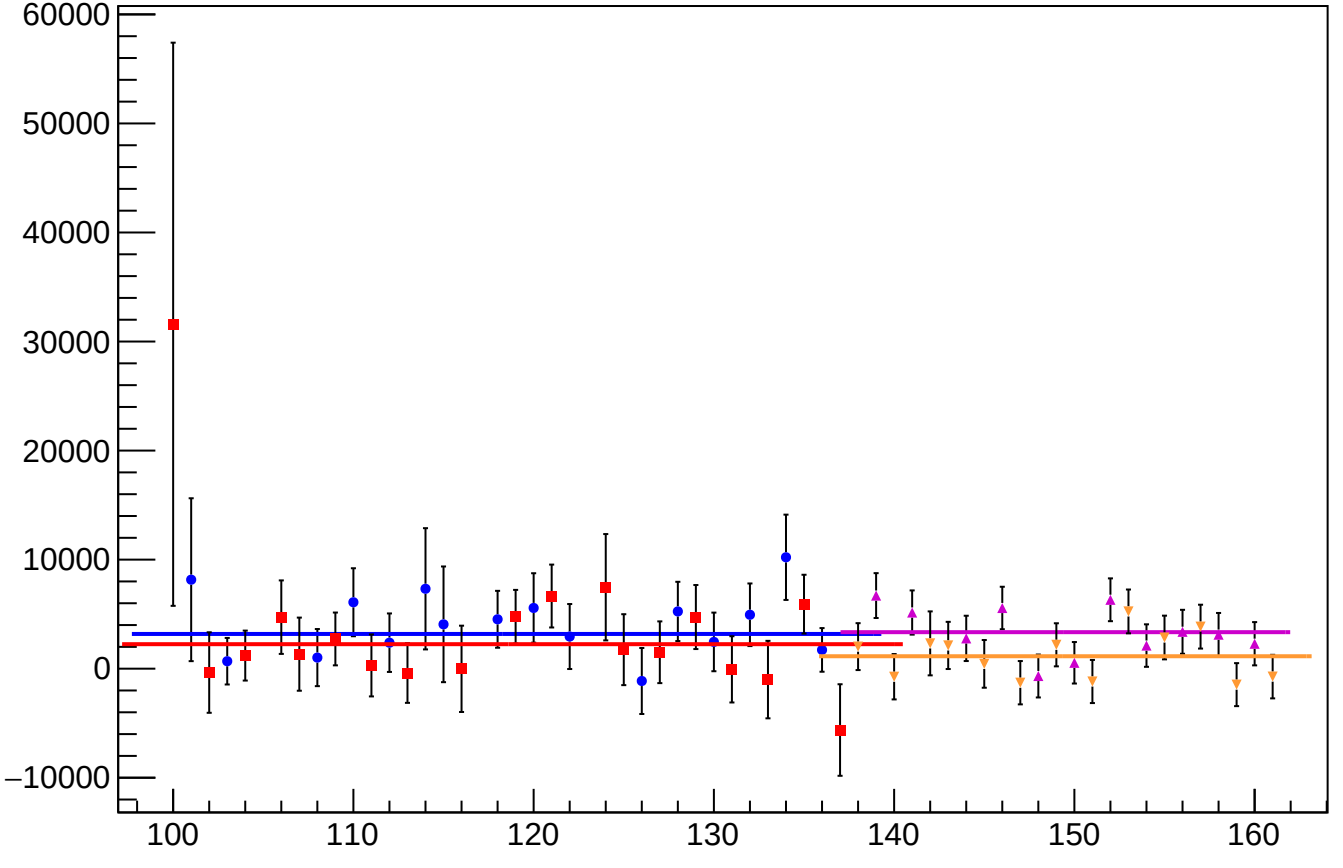
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3025401.6/26

Out: 0.000+/-0.000 χ^2/NDF:16617504.6/31

All: 0.000+/-0.000 χ^2/NDF: 31969311.8/58

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.399+/-577.026 χ^2/NDF:14.0/12

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3347.412+/-599.135 χ^2/NDF:14.2/10

Left: 2201.915+/-415.616 χ^2/NDF: 35.2/23

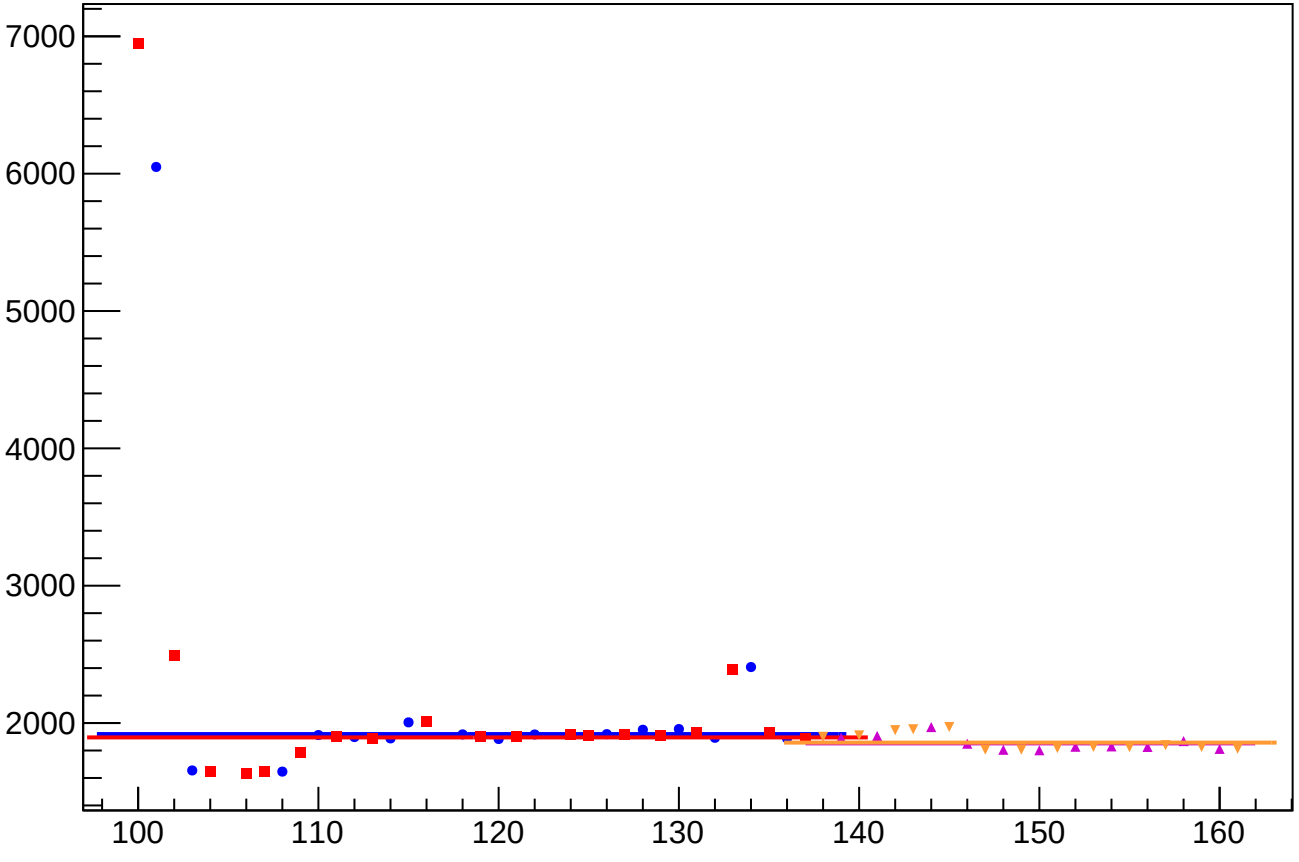
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3281.644+/-463.414 χ^2/NDF:25.9/26

Out: 1578.917+/-448.020 χ^2/NDF:31.9/31

All: 2401.529+/-322.103 χ^2/NDF: 64.8/58

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1851.792+/-0.424 χ^2/NDF:13101.2/10

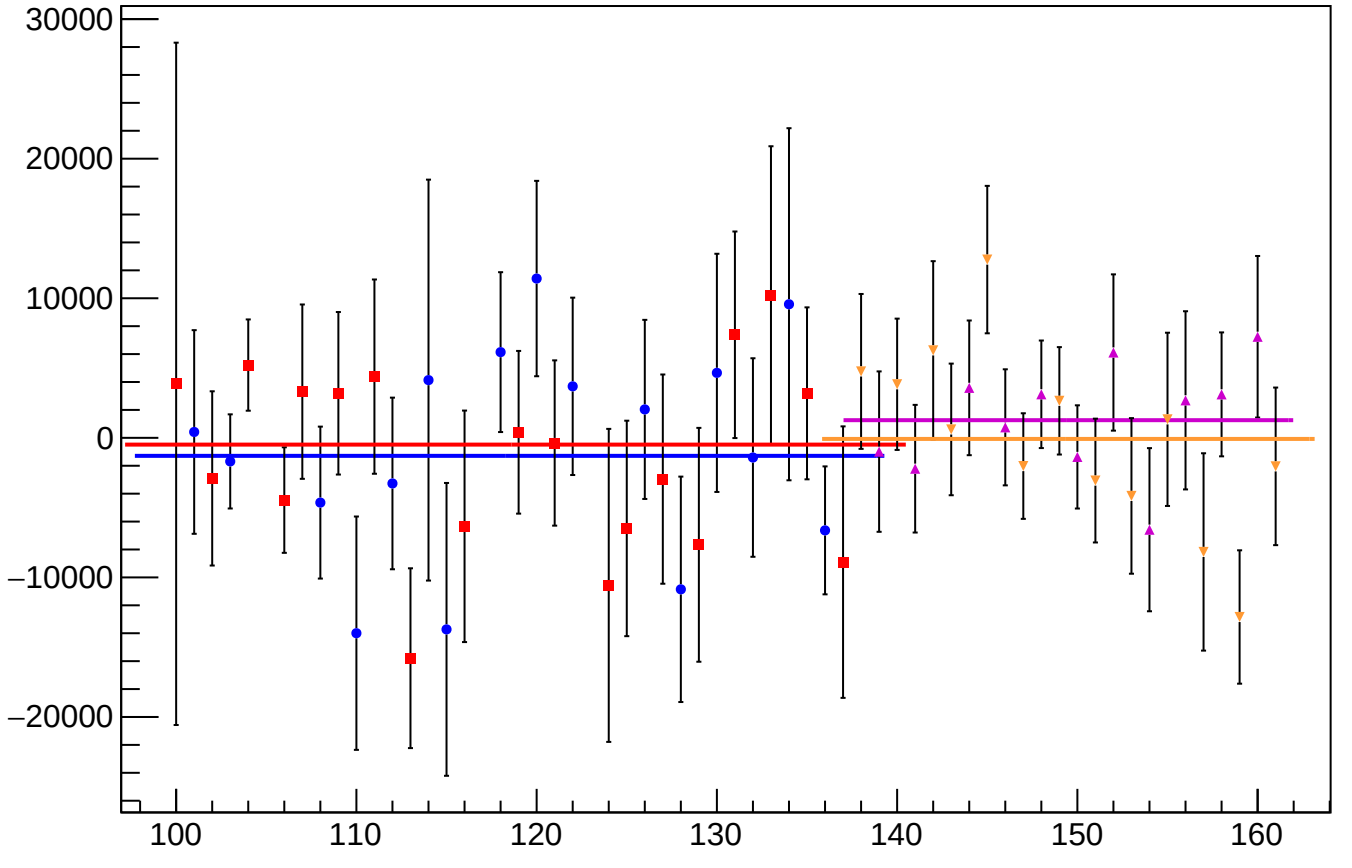
Left: 1854.759+/-0.294 χ^2/NDF: 32755.2/23

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1879.125+/-0.328 χ^2/NDF:720793.4/26

Out: 1872.606+/-0.316 χ^2/NDF:245265.5/31

All: 1875.751+/-0.228 χ^2/NDF: 966263.7/58



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -78.248+/-1380.705 χ^2/NDF:18.7/12

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1264.797+/-1434.849 χ^2/NDF:5.6/10

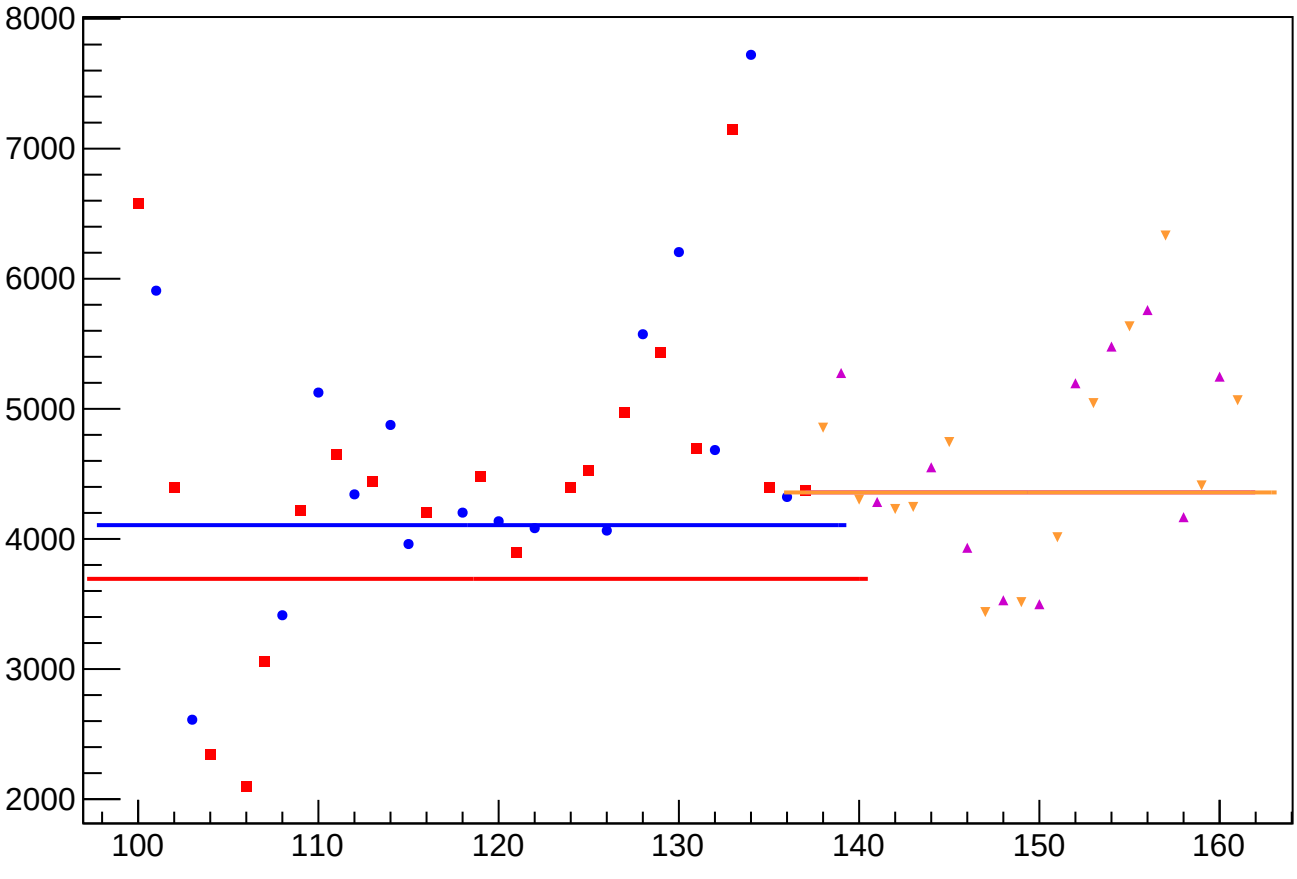
Left: 567.457+/-994.897 χ^2/NDF: 24.8/23

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 114.235+/-1063.855 χ^2/NDF:21.2/26

Out: -273.538+/-995.768 χ^2/NDF:36.0/31

All: -92.456+/-726.994 χ^2/NDF: 57.3/58



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4357.492+/-0.976 χ^2/NDF:558129.8/12

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4358.175+/-1.015 χ^2/NDF:542191.2/10

Left: 4357.820+/-0.703 χ^2/NDF: 1100321.2/23

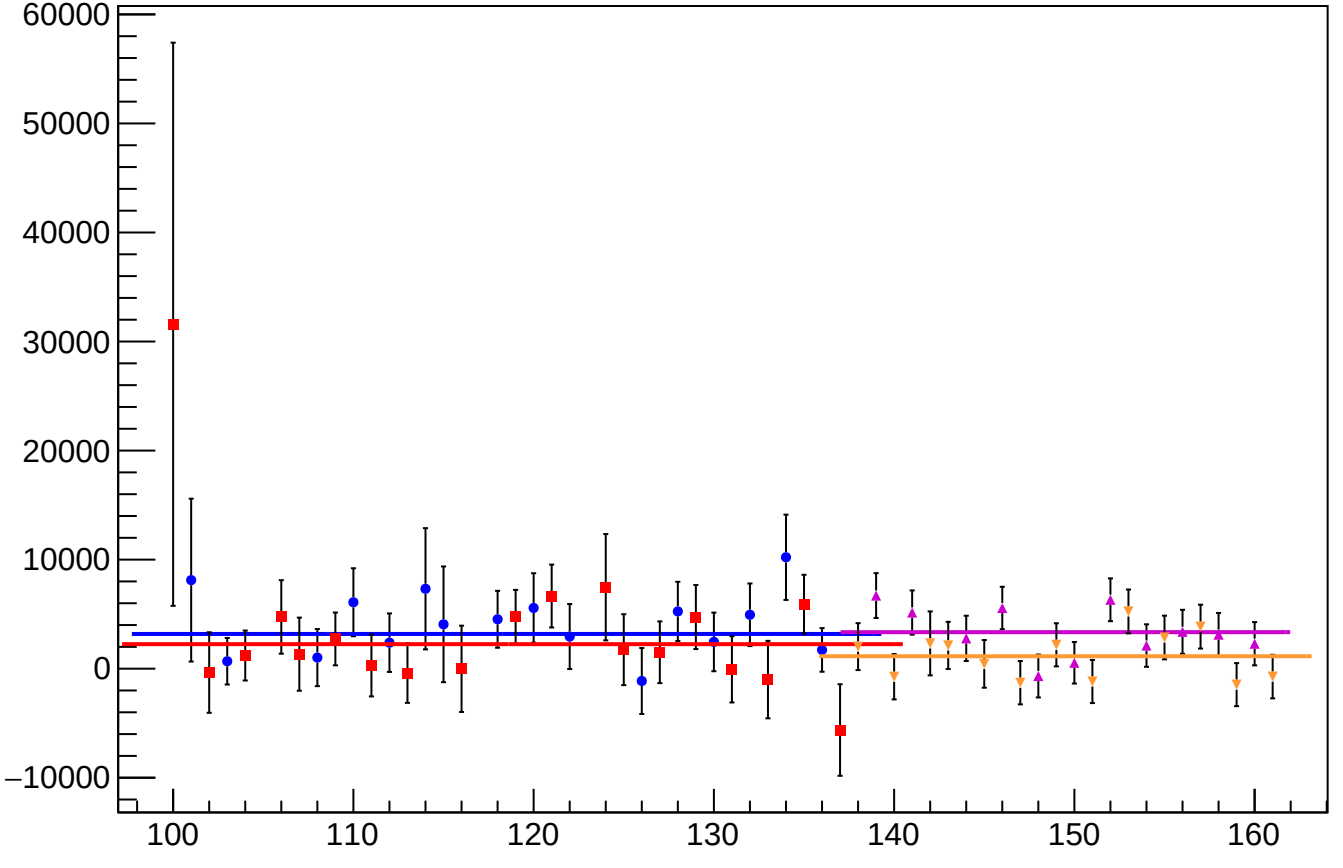
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4244.693+/-0.752 χ^2/NDF:1526106.2/26

Out: 4038.751+/-0.704 χ^2/NDF:2136889.3/31

All: 4134.921+/-0.514 χ^2/NDF: 3702943.6/58

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.301+/-577.026 χ^2/NDF:14.0/12

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3347.456+/-599.135 χ^2/NDF:14.2/10

Left: 2201.885+/-415.616 χ^2/NDF: 35.2/23

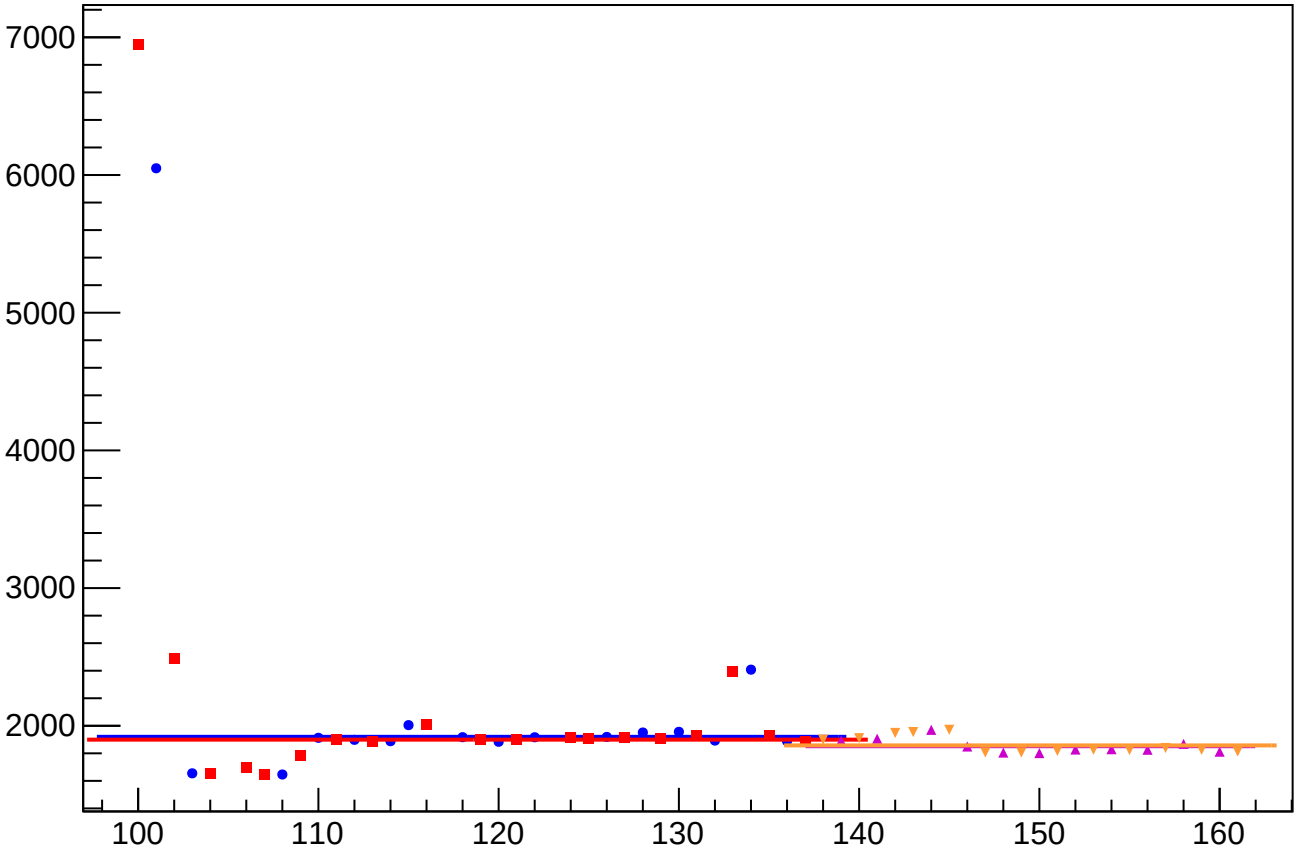
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3281.376+/-463.414 χ^2/NDF:25.9/26

Out: 1579.306+/-448.021 χ^2/NDF:31.9/31

All: 2401.602+/-322.103 χ^2/NDF: 64.8/58

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

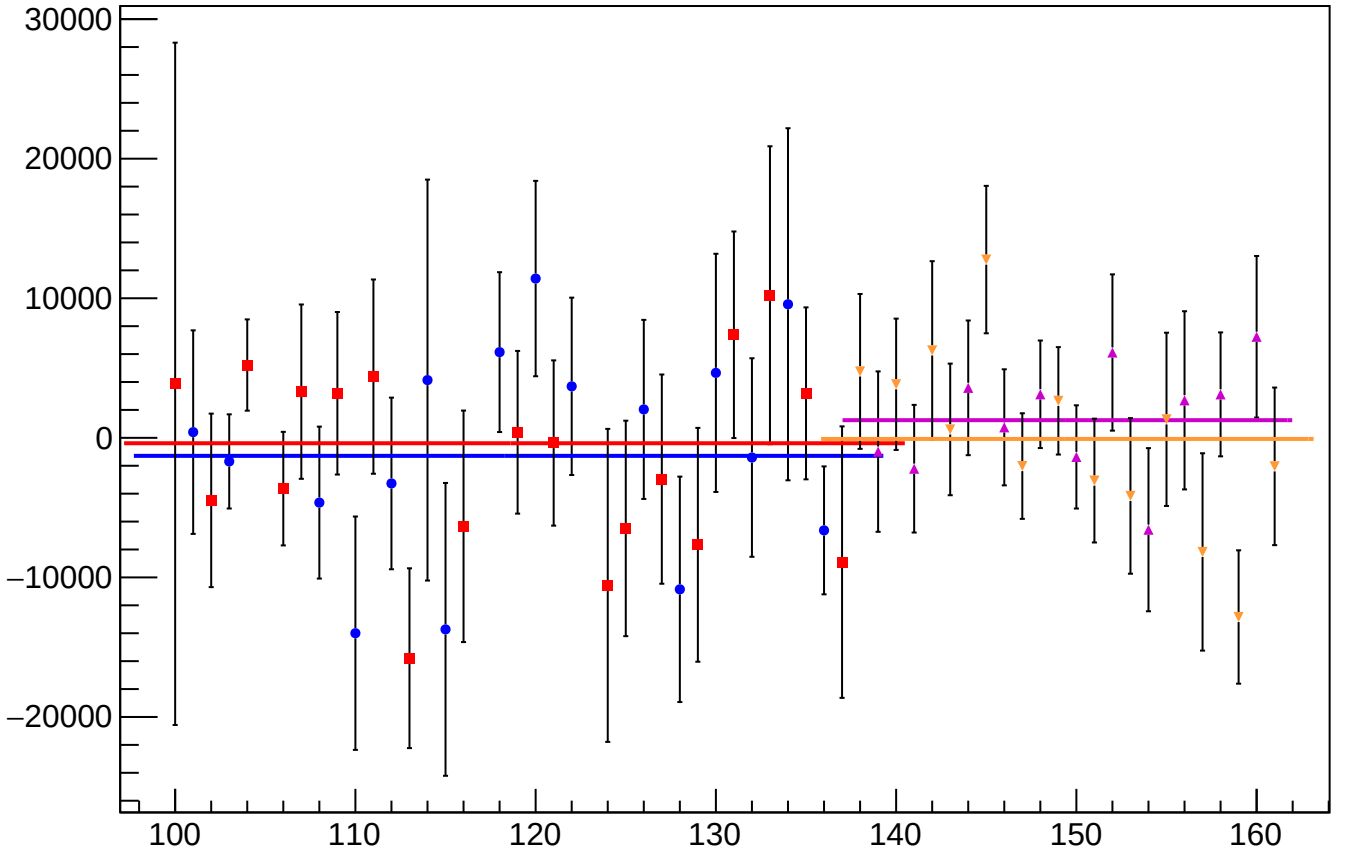
Left: 1854.759+/-0.294 χ^2/NDF: 32755.2/23

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1879.125+/-0.328 χ^2/NDF:720792.6/26

Out: 1874.165+/-0.317 χ^2/NDF:239400.4/31

All: 1876.559+/-0.228 χ^2/NDF: 960311.5/58



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -78.283+/-1380.702 χ^2/NDF:18.7/12

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1264.824+/-1434.851 χ^2/NDF:5.6/10

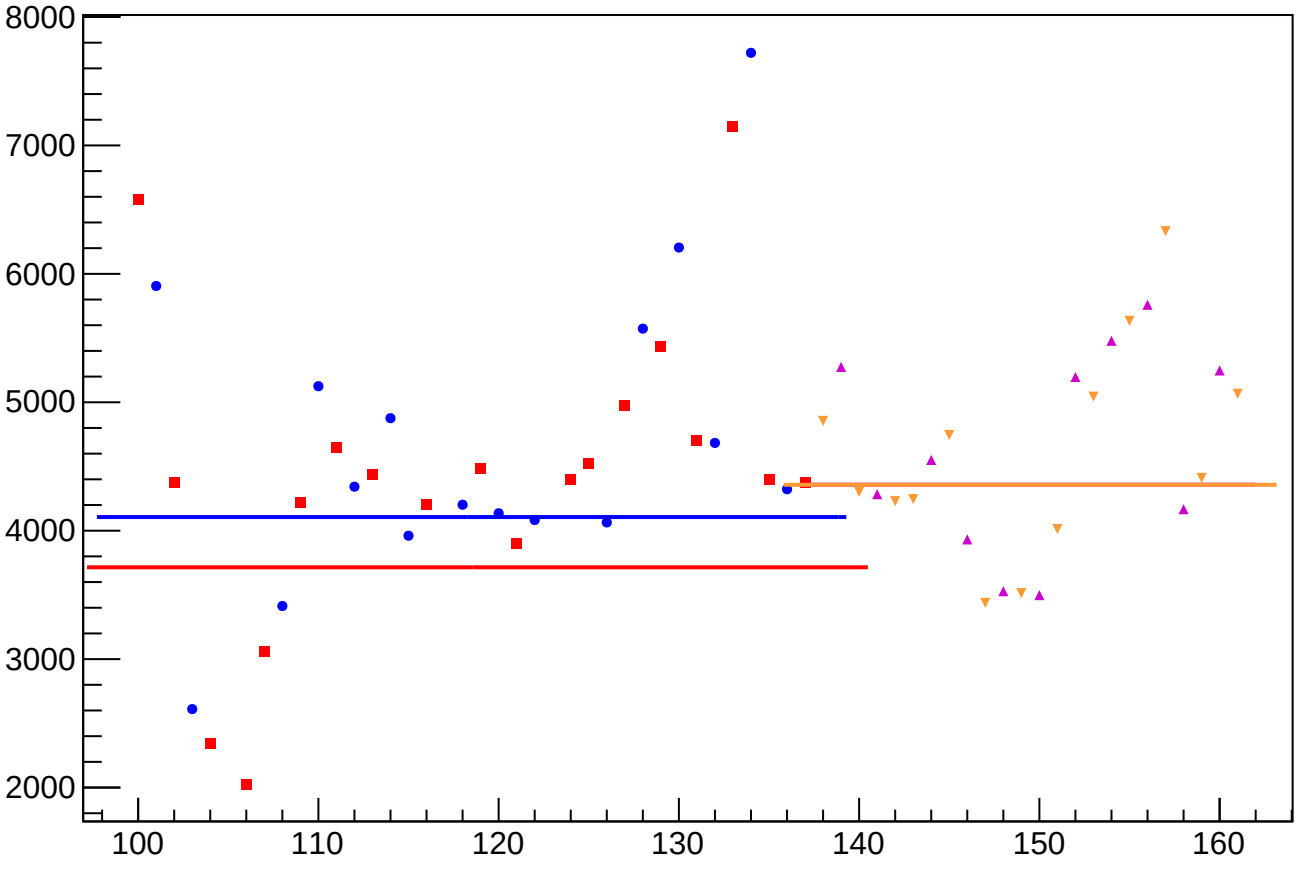
Left: 567.449+/-994.896 χ^2/NDF: 24.8/23

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 114.085+/-1063.856 χ^2/NDF:21.2/26

Out: -225.223+/-1000.406 χ^2/NDF:35.8/31

All: -65.989+/-728.793 χ^2/NDF: 57.1/58



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4357.480+/-0.976 χ^2/NDF:558142.7/12

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

Left: 4357.816+/-0.703 χ^2/NDF: 1100330.3/23

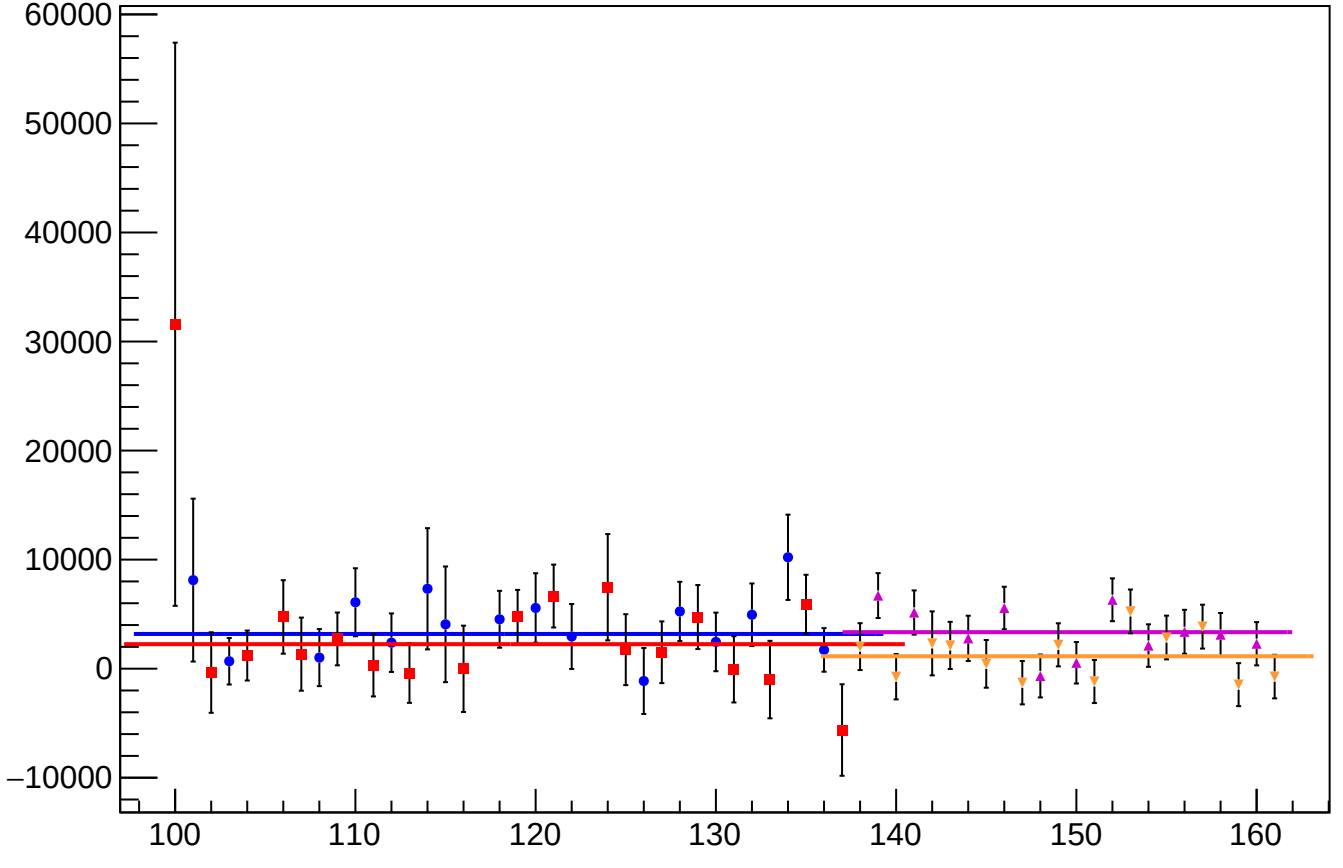
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4244.737+/-0.752 χ^2/NDF:1525583.7/26

Out: 4052.393+/-0.707 χ^2/NDF:2098821.1/31

All: 4142.659+/-0.515 χ^2/NDF: 3659100.8/58

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.301+/-577.026 χ^2/NDF:14.0/12

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3347.456+/-599.135 χ^2/NDF:14.2/10

Left: 2201.885+/-415.616 χ^2/NDF: 35.2/23

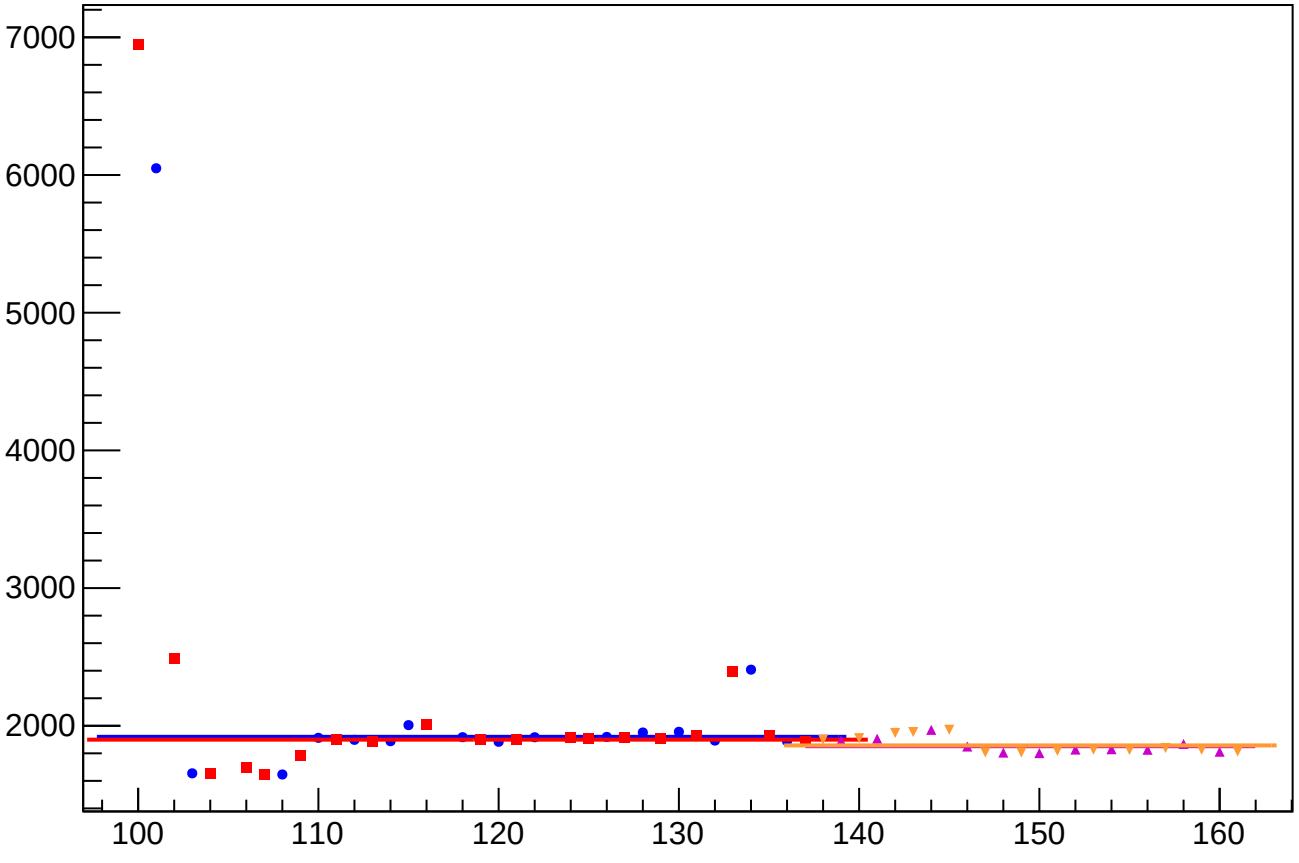
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3281.376+/-463.414 χ^2/NDF:25.9/26

Out: 1579.306+/-448.021 χ^2/NDF:31.9/31

All: 2401.602+/-322.103 χ^2/NDF: 64.8/58

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

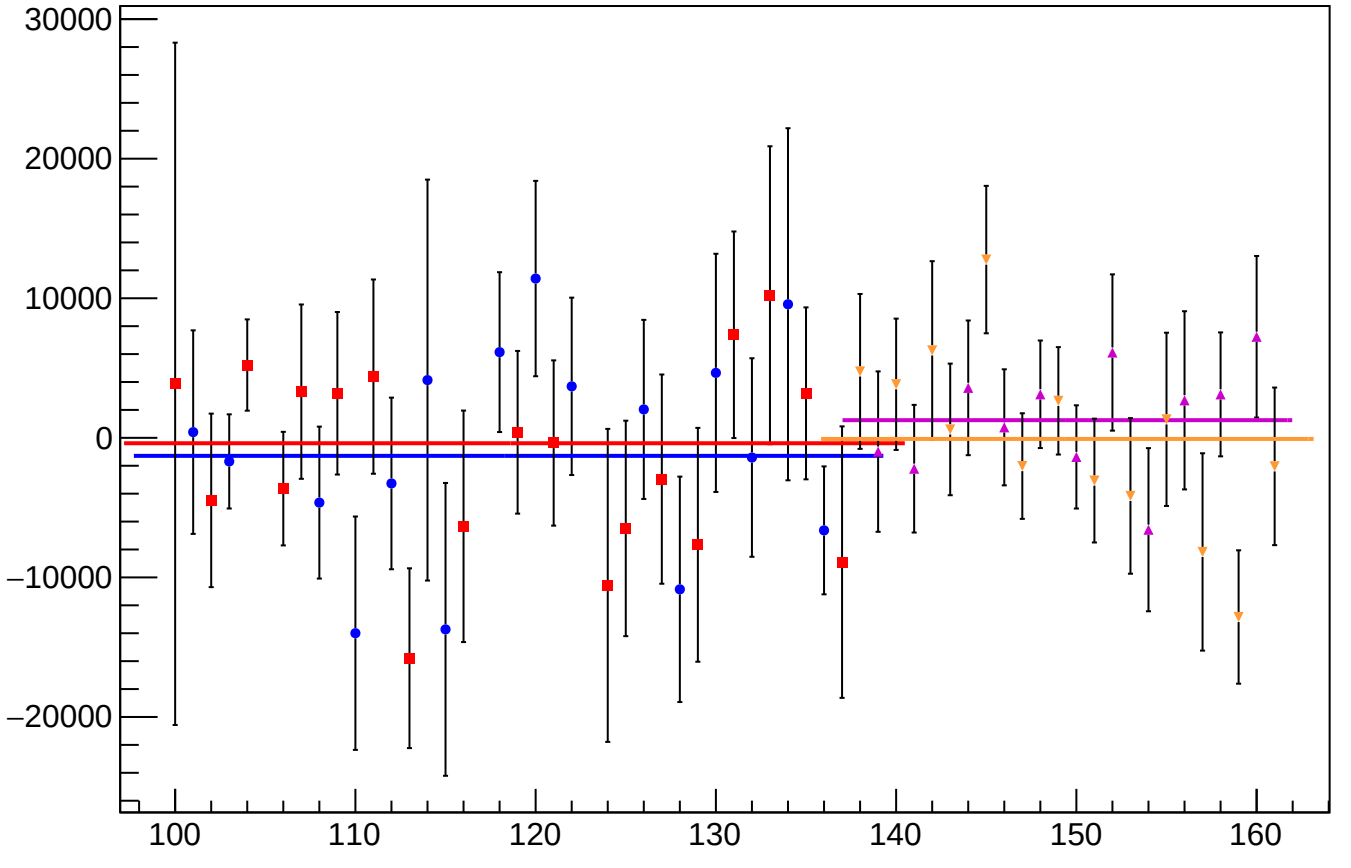
Left: 1854.759+/-0.294 χ^2/NDF: 32755.2/23

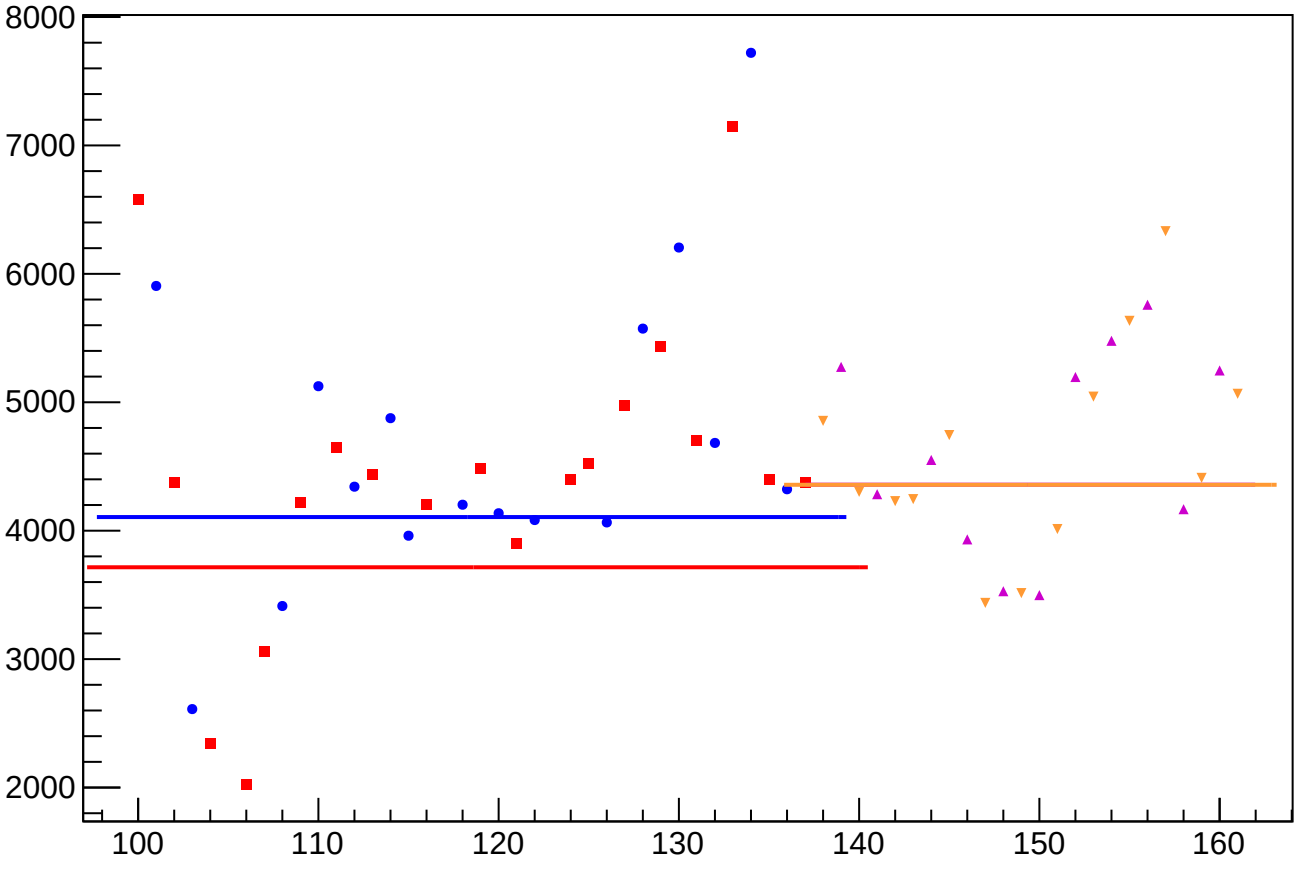
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1879.125+/-0.328 χ^2/NDF:720792.6/26

Out: 1874.165+/-0.317 χ^2/NDF:239400.4/31

All: 1876.559+/-0.228 χ^2/NDF: 960311.5/58


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -78.283+/-1380.702 χ²/NDF:18.7/12
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1264.824+/-1434.851 χ²/NDF:5.6/10
Left: 567.449+/-994.896 χ²/NDF: 24.8/23
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 114.085+/-1063.856 χ²/NDF:21.2/26
Out: -225.223+/-1000.406 χ²/NDF:35.8/31
All: -65.989+/-728.793 χ²/NDF: 57.1/58



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4357.480+/-0.976 χ^2/NDF:558142.7/12

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

Left: 4357.816+/-0.703 χ^2/NDF: 1100330.3/23

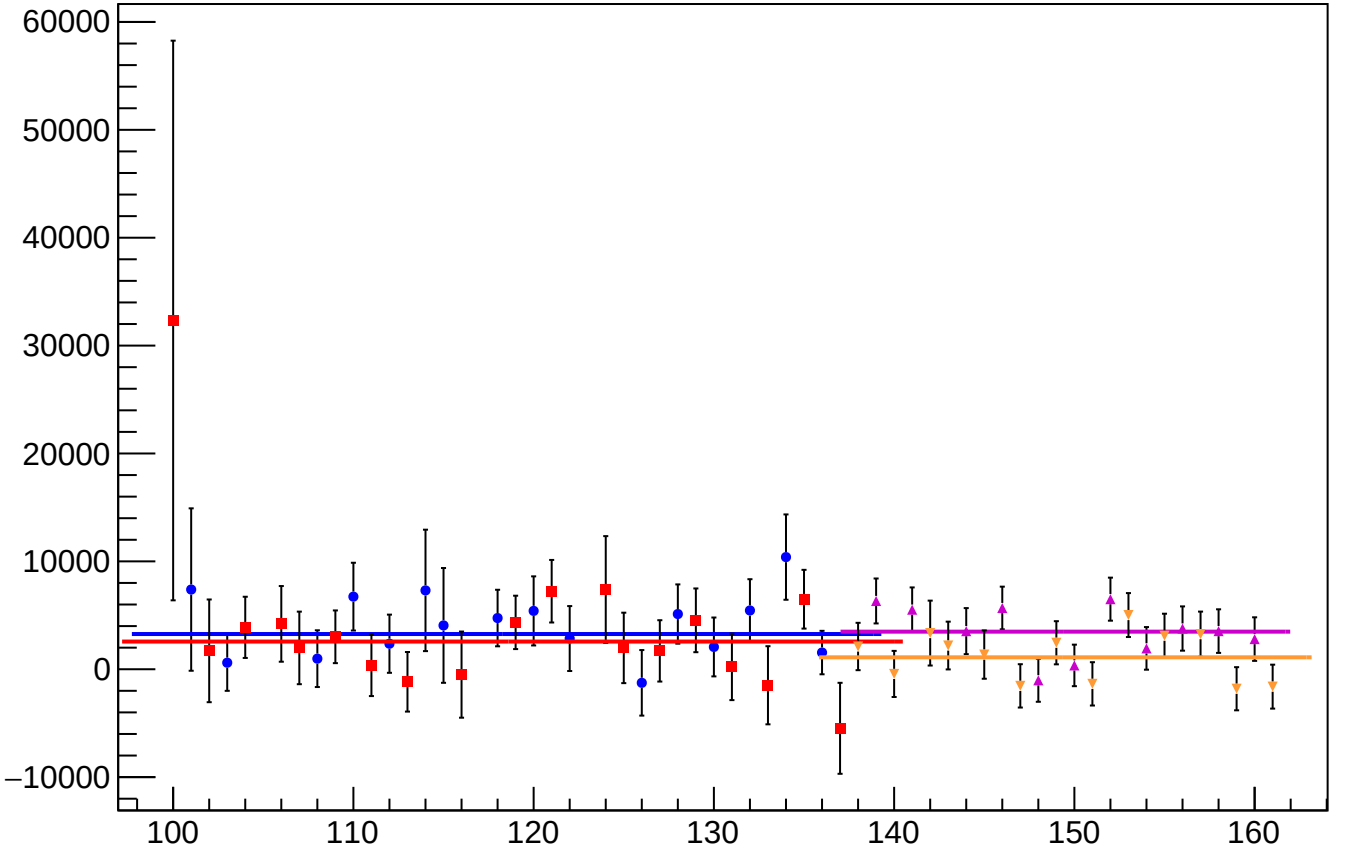
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4244.737+/-0.752 χ^2/NDF:1525583.7/26

Out: 4052.393+/-0.707 χ^2/NDF:2098821.1/31

All: 4142.659+/-0.515 χ^2/NDF: 3659100.8/58

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1104.819+/-588.419 χ^2/NDF:14.9/12

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3484.203+/-608.808 χ^2/NDF:14.9/10

Left: 2254.001+/-423.100 χ^2/NDF: 37.6/23

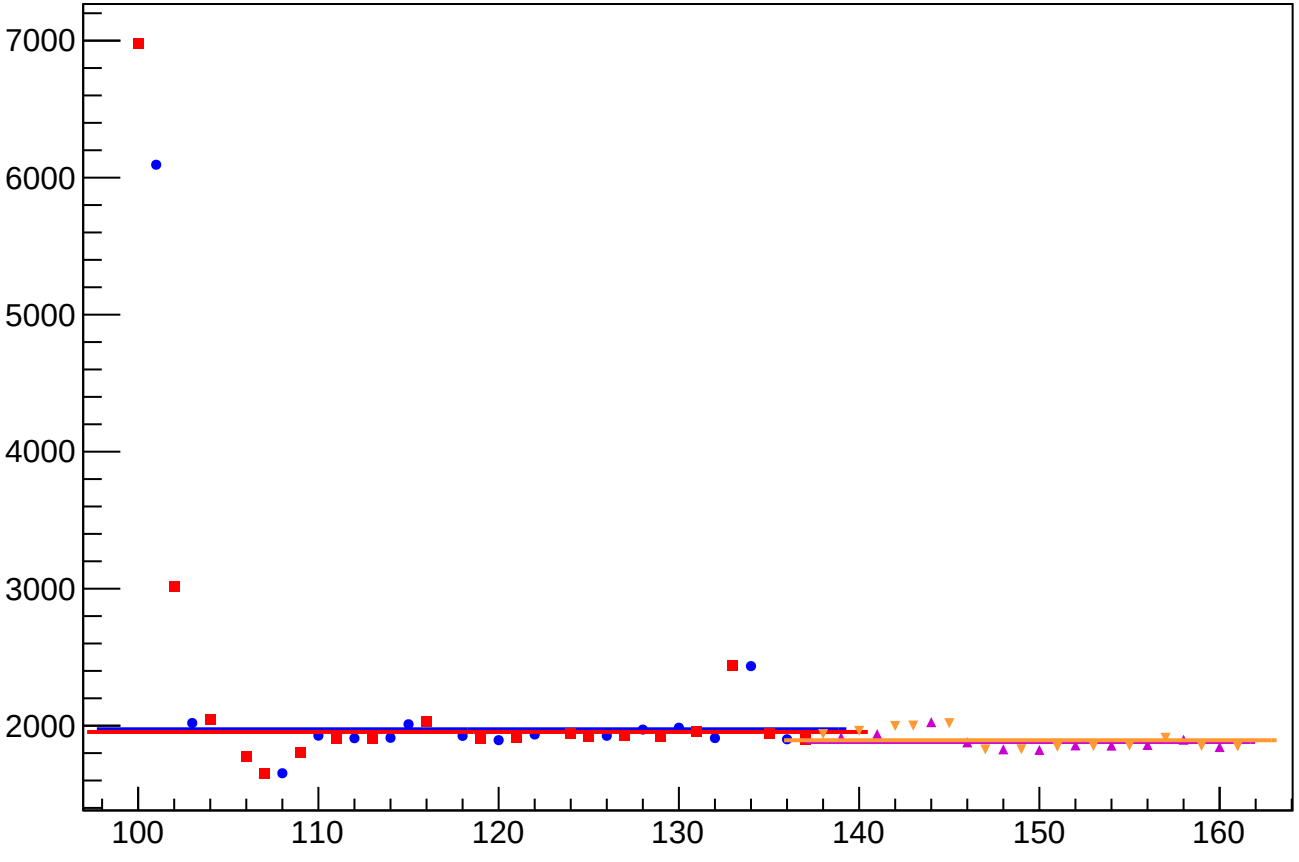
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3397.113+/-472.896 χ^2/NDF:27.1/26

Out: 1675.916+/-459.320 χ^2/NDF:34.3/31

All: 2511.454+/-329.483 χ^2/NDF: 68.2/58

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1893.838+/-0.416 χ^2/NDF:25308.8/12

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1881.492+/-0.430 χ^2/NDF:16244.2/10

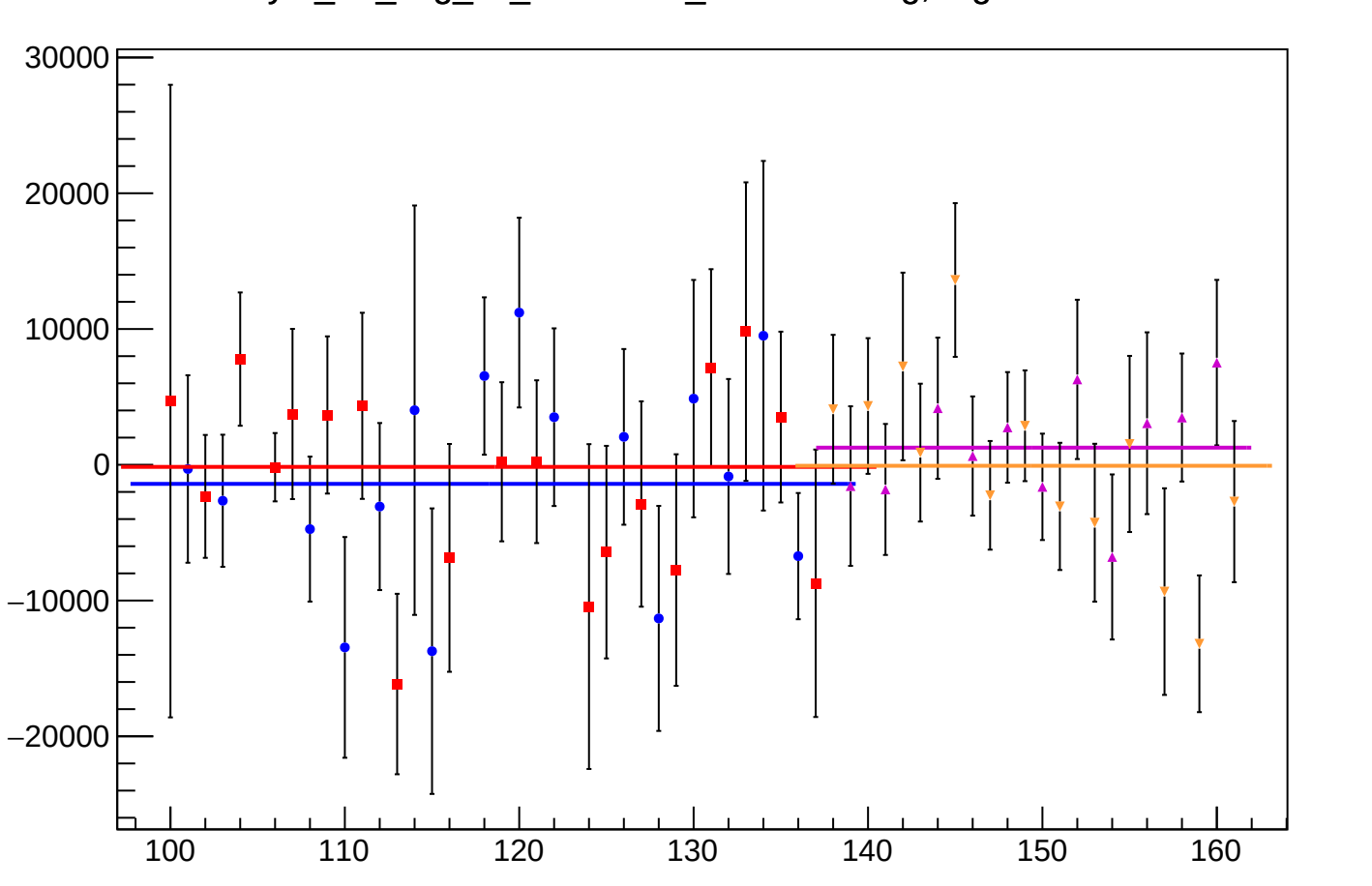
Left: 1887.875+/-0.299 χ^2/NDF: 41978.2/23

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1918.086+/-0.334 χ^2/NDF:699584.9/26

Out: 1917.499+/-0.325 χ^2/NDF:279789.0/31

All: 1917.784+/-0.233 χ^2/NDF: 979375.5/58



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -74.782+/-1457.391 χ^2/NDF:18.6/12

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1261.213+/-1513.539 χ^2/NDF:5.5/10

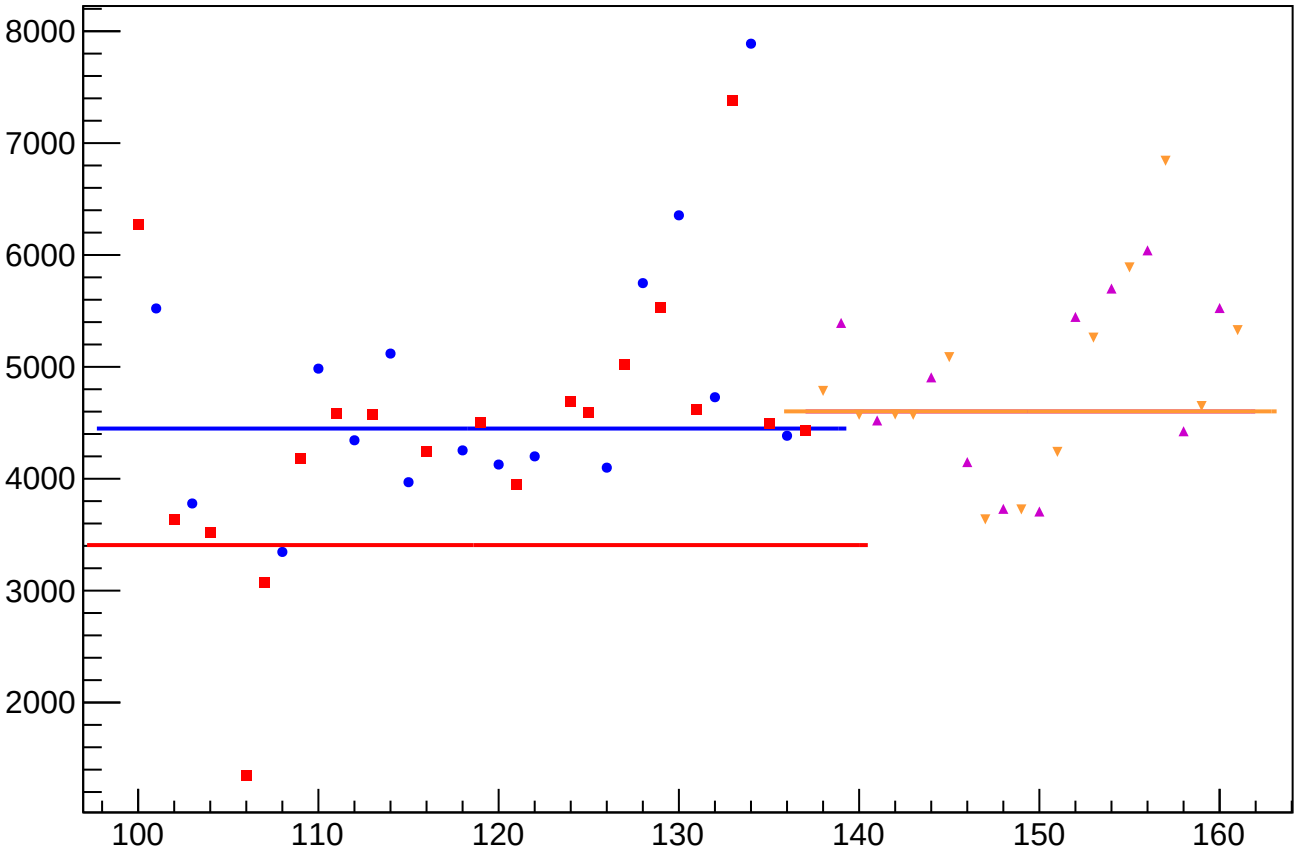
Left: 567.976+/-1049.820 χ^2/NDF: 24.5/23

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: 73.457+/-1127.473 χ^2/NDF:21.1/26

Out: -117.699+/-995.735 χ^2/NDF:34.4/31

All: -33.936+/-746.342 χ^2/NDF: 55.5/58



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4602.211+/-1.031 χ^2/NDF:545472.2/12

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4601.390+/-1.070 χ^2/NDF:508578.8/10

Left: 4601.816+/-0.742 χ^2/NDF: 1054051.3/23

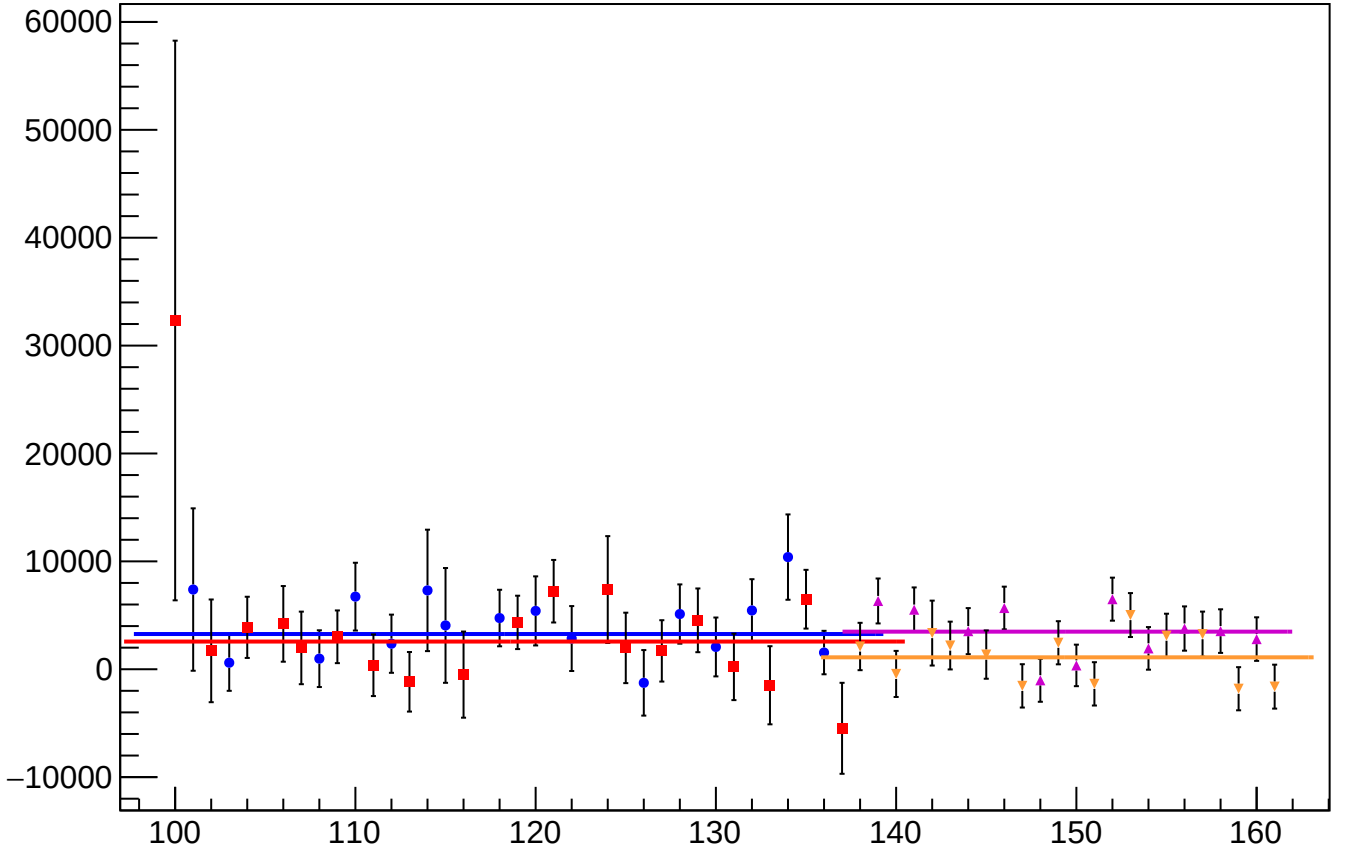
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4533.435+/-0.797 χ^2/NDF:1012250.7/26

Out: 3964.998+/-0.704 χ^2/NDF:3588600.8/31

All: 4214.082+/-0.528 χ^2/NDF: 4886459.6/58

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1104.811+/-588.419 χ^2/NDF:14.9/12

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3484.203+/-608.808 χ^2/NDF:14.9/10

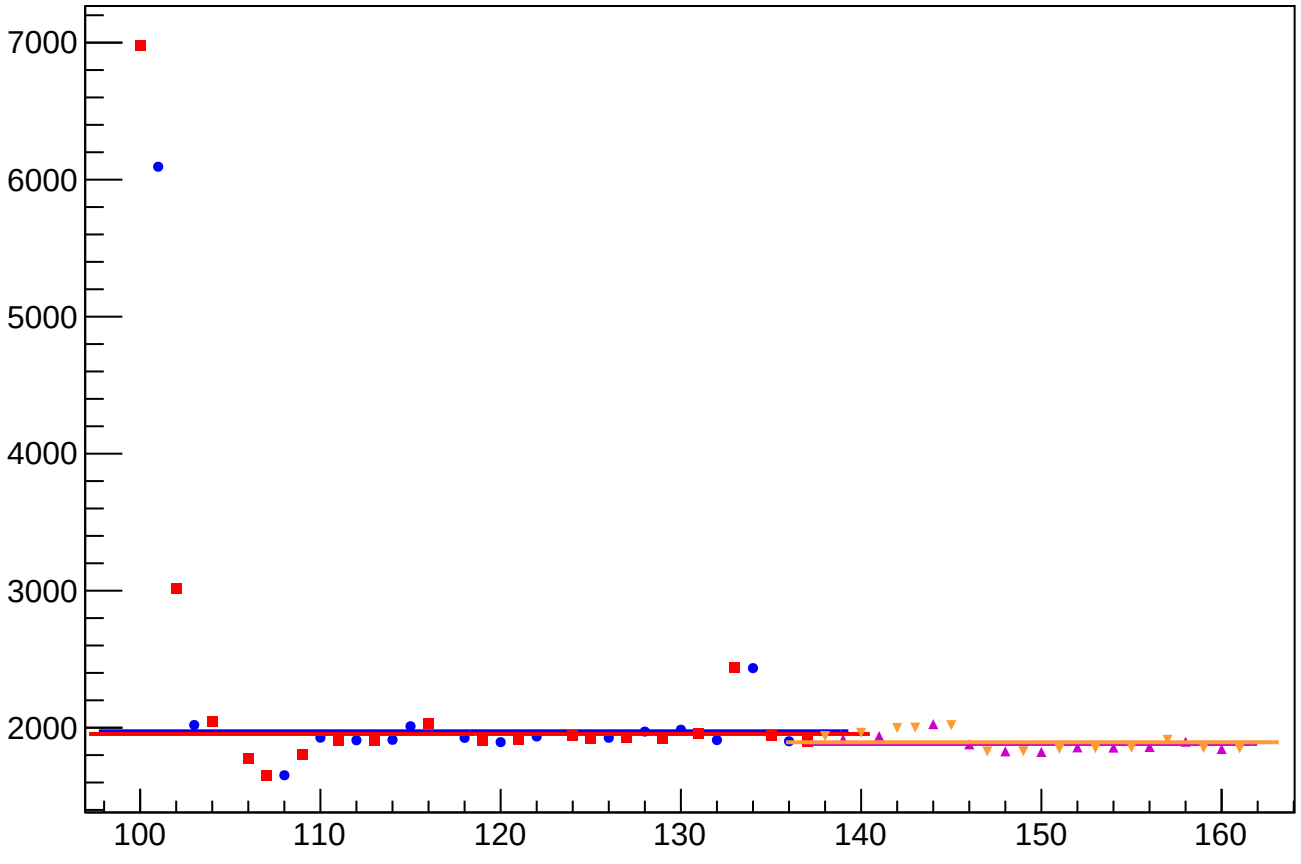
Left: 2253.997+/-423.100 χ^2/NDF: 37.6/23

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

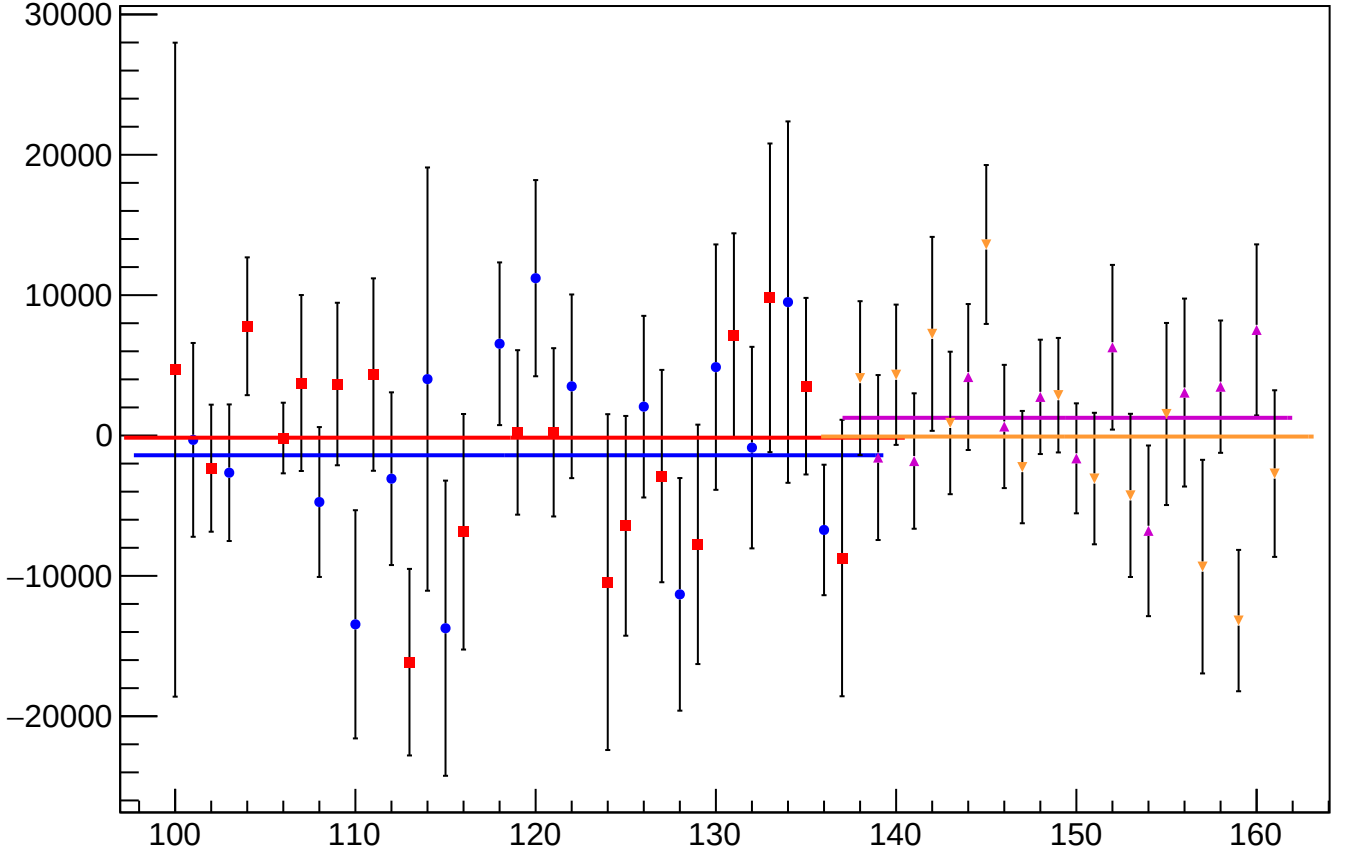
In: 3397.115+/-472.896 χ^2/NDF:27.1/26

Out: 1675.914+/-459.320 χ^2/NDF:34.3/31

All: 2511.454+/-329.483 χ^2/NDF: 68.2/58


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1893.839+/-0.416 χ²/NDF:25308.9/12
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1881.493+/-0.430 χ²/NDF:16244.2/10
Left: 1887.876+/-0.299 χ²/NDF: 41978.3/23
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1918.086+/-0.334 χ²/NDF:699584.5/26
Out: 1917.499+/-0.325 χ²/NDF:279788.3/31
All: 1917.784+/-0.233 χ²/NDF: 979374.4/58

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -74.787+/-1457.393 χ^2/NDF:18.6/12

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 1261.212+/-1513.541 χ^2/NDF:5.5/10

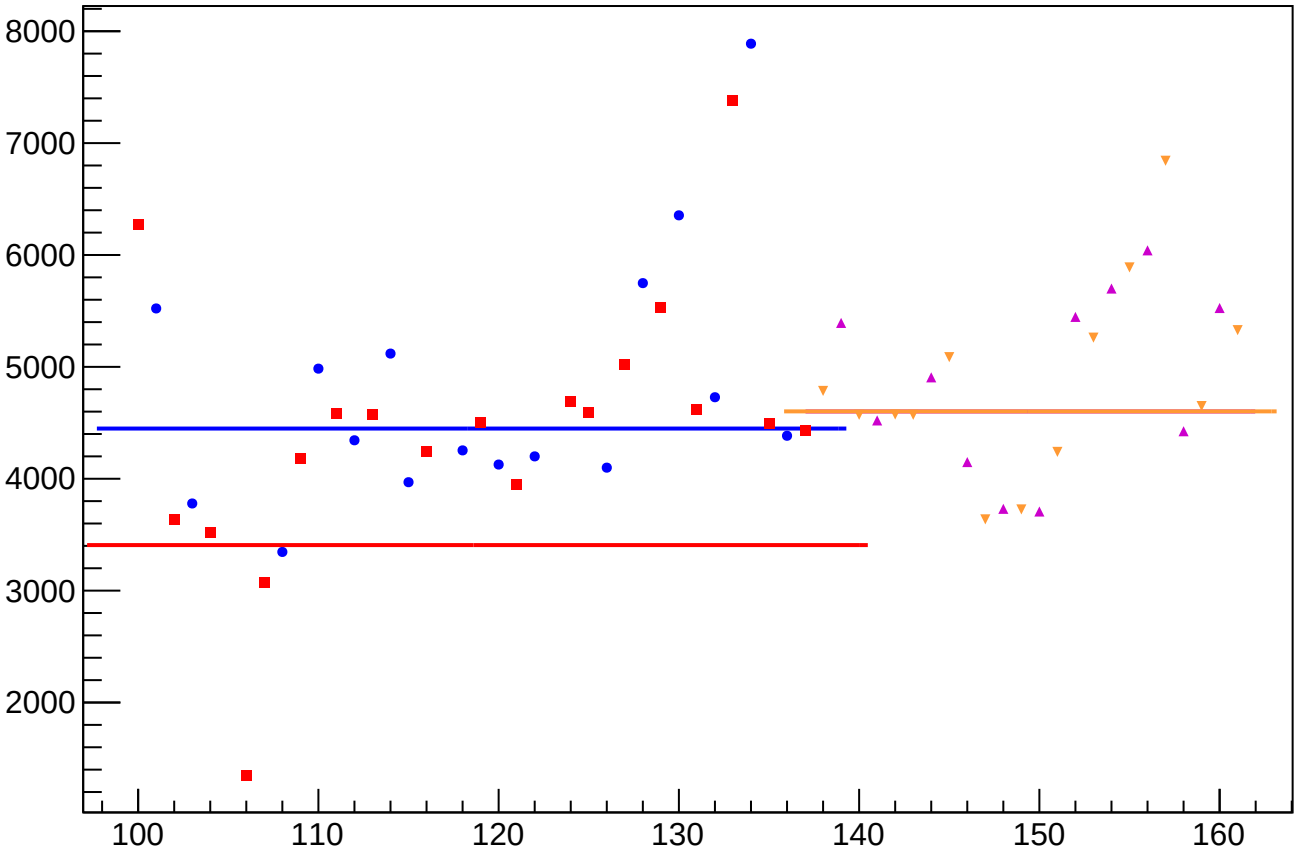
Left: 567.973+/-1049.821 χ^2/NDF: 24.5/23

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: 73.461+/-1127.473 χ^2/NDF:21.1/26

Out: -117.702+/-995.734 χ^2/NDF:34.4/31

All: -33.936+/-746.342 χ^2/NDF: 55.5/58



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4602.217+/-1.031 χ^2/NDF:545470.5/12

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4601.397+/-1.070 χ^2/NDF:508575.8/10

Left: 4601.823+/-0.742 χ^2/NDF: 1054046.7/23

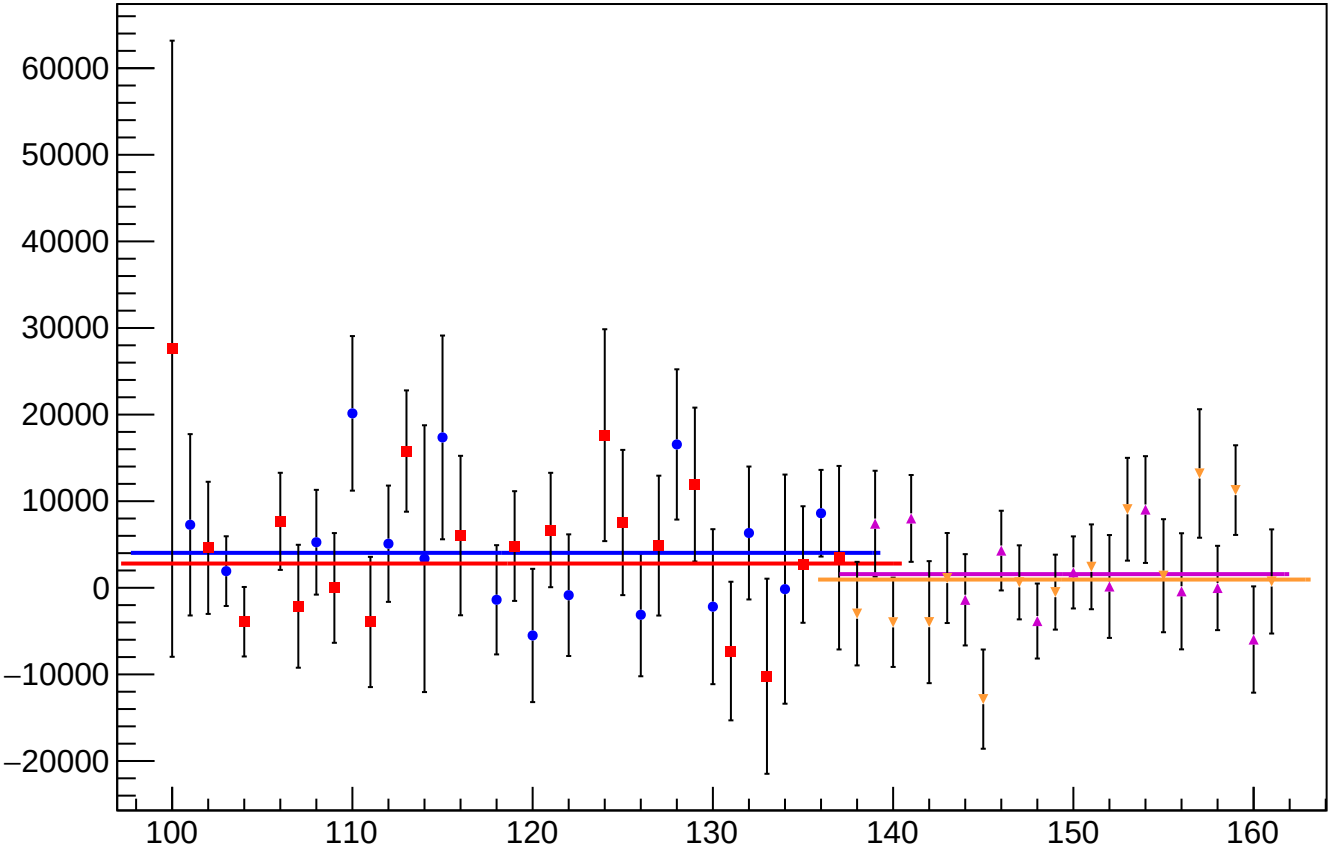
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4533.435+/-0.797 χ^2/NDF:1012246.4/26

Out: 3964.995+/-0.704 χ^2/NDF:3588620.8/31

All: 4214.080+/-0.528 χ^2/NDF: 4886478.9/58

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 950.462+/-1511.000 χ^2/NDF:16.4/12

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1578.174+/-1568.323 χ^2/NDF:8.0/10

Left: 1252.637+/-1088.139 χ^2/NDF: 24.5/23

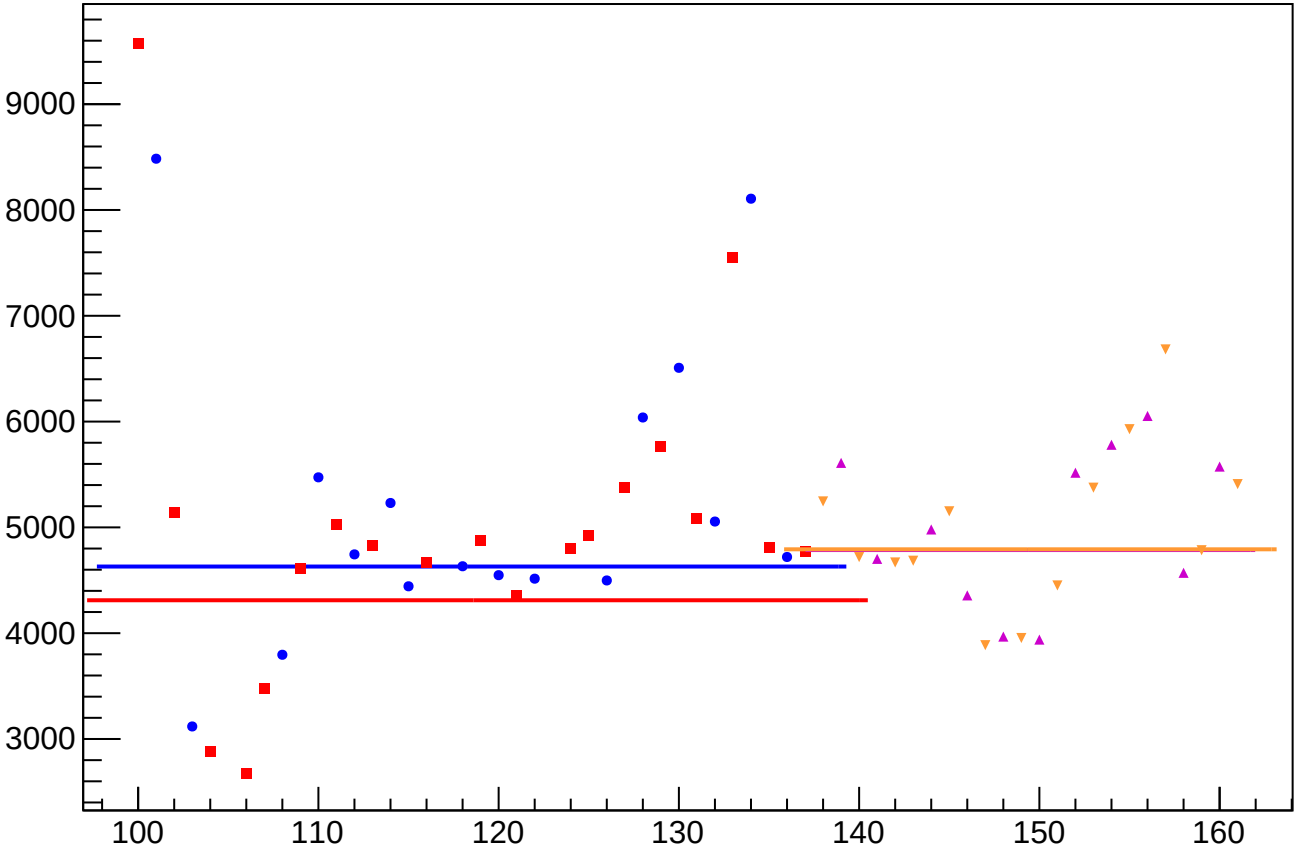
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2650.323+/-1177.316 χ^2/NDF:21.4/26

Out: 1782.231+/-1121.011 χ^2/NDF:32.5/31

All: 2195.023+/-811.850 χ^2/NDF: 54.3/58

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4792.749+/-1.068 χ^2/NDF:426270.8/12

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4785.861+/-1.109 χ^2/NDF:401948.8/10

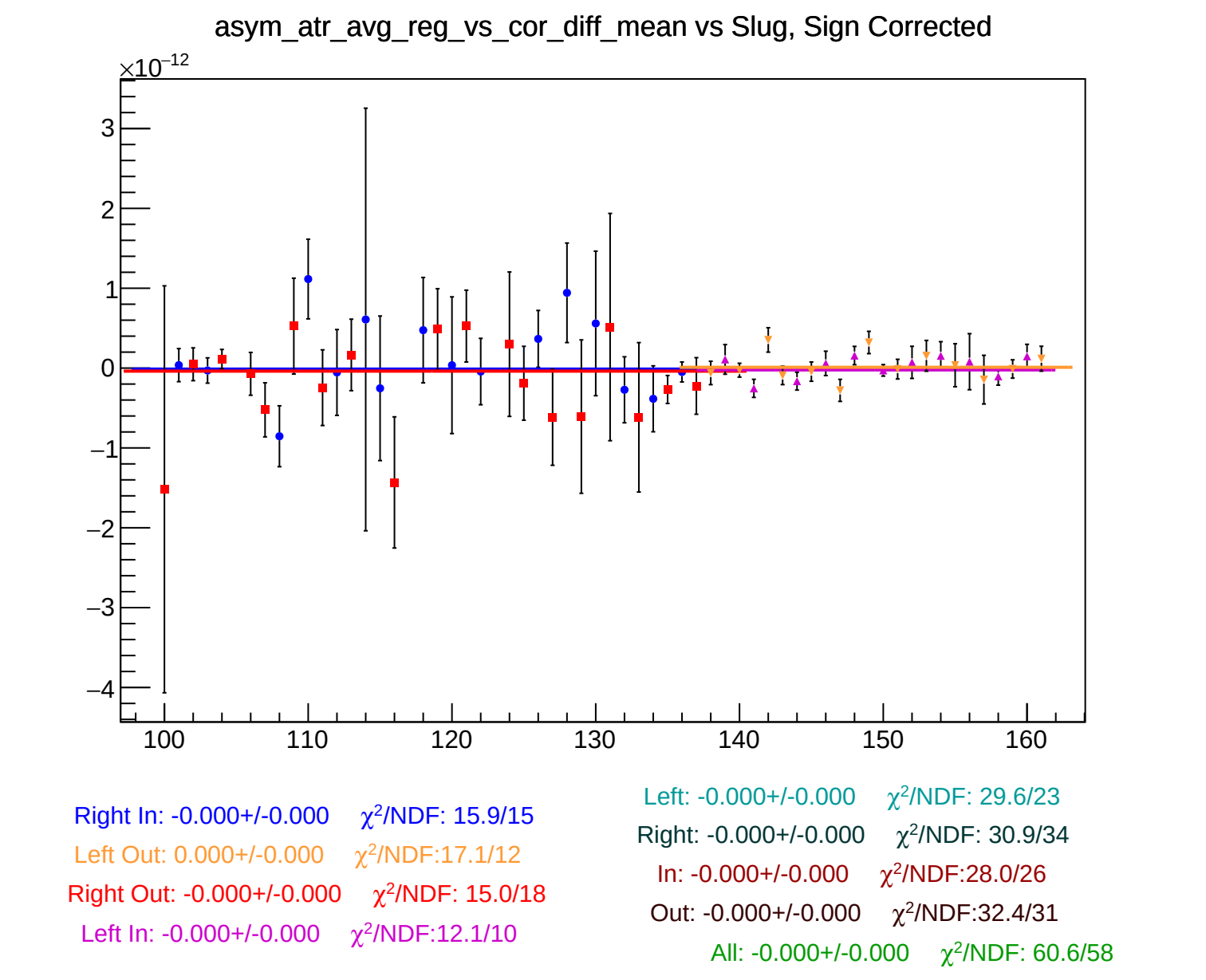
Left: 4789.433+/-0.769 χ^2/NDF: 828239.6/23

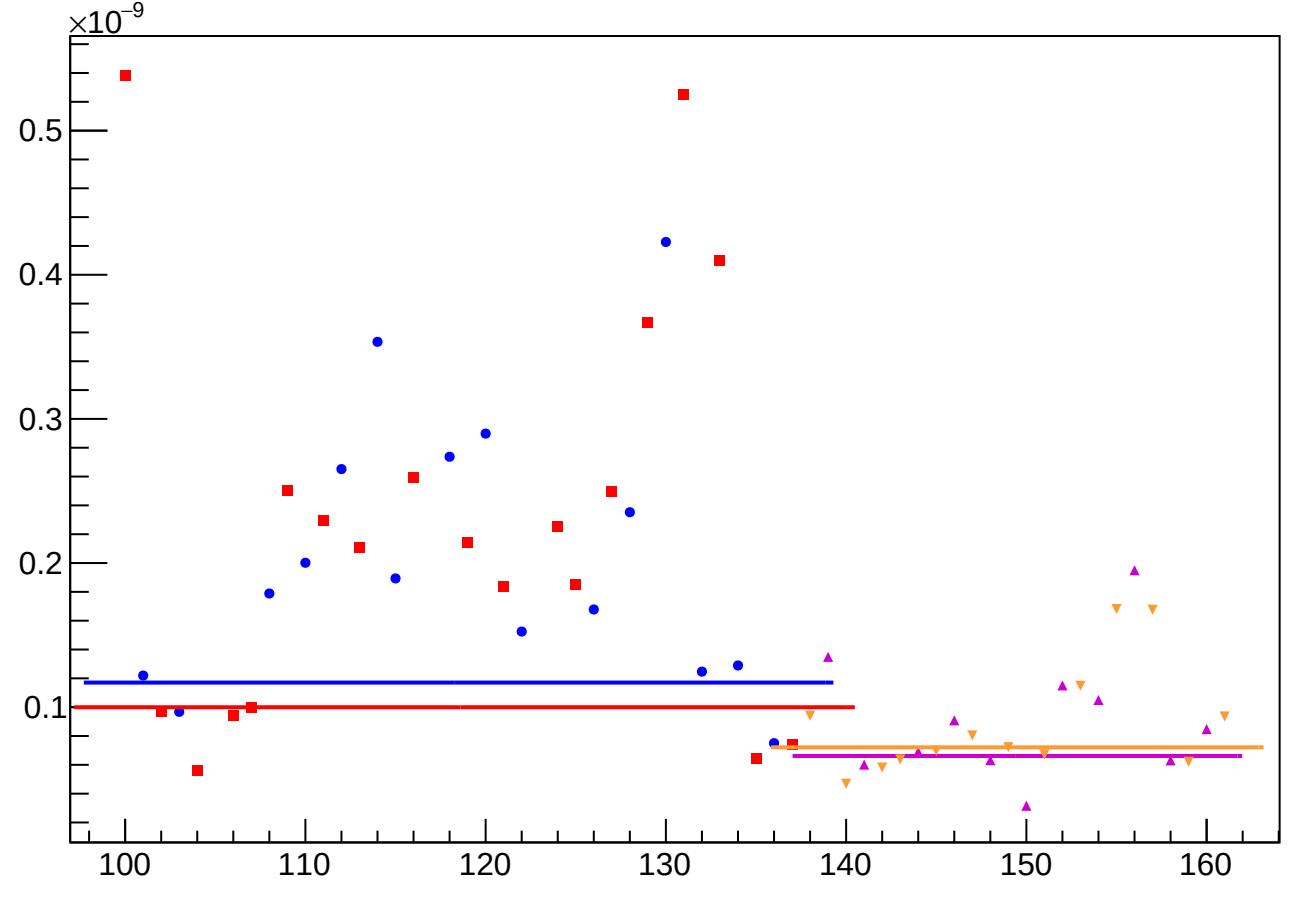
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4717.818+/-0.832 χ^2/NDF:1310820.4/26

Out: 4574.188+/-0.790 χ^2/NDF:1423201.2/31

All: 4642.205+/-0.573 χ^2/NDF: 2749692.1/58


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.1/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/10
Left: -0.000+/-0.000 χ²/NDF: 29.6/23
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:28.0/26
Out: -0.000+/-0.000 χ²/NDF:32.4/31
All: -0.000+/-0.000 χ²/NDF: 60.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:853172.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1313922.6/10

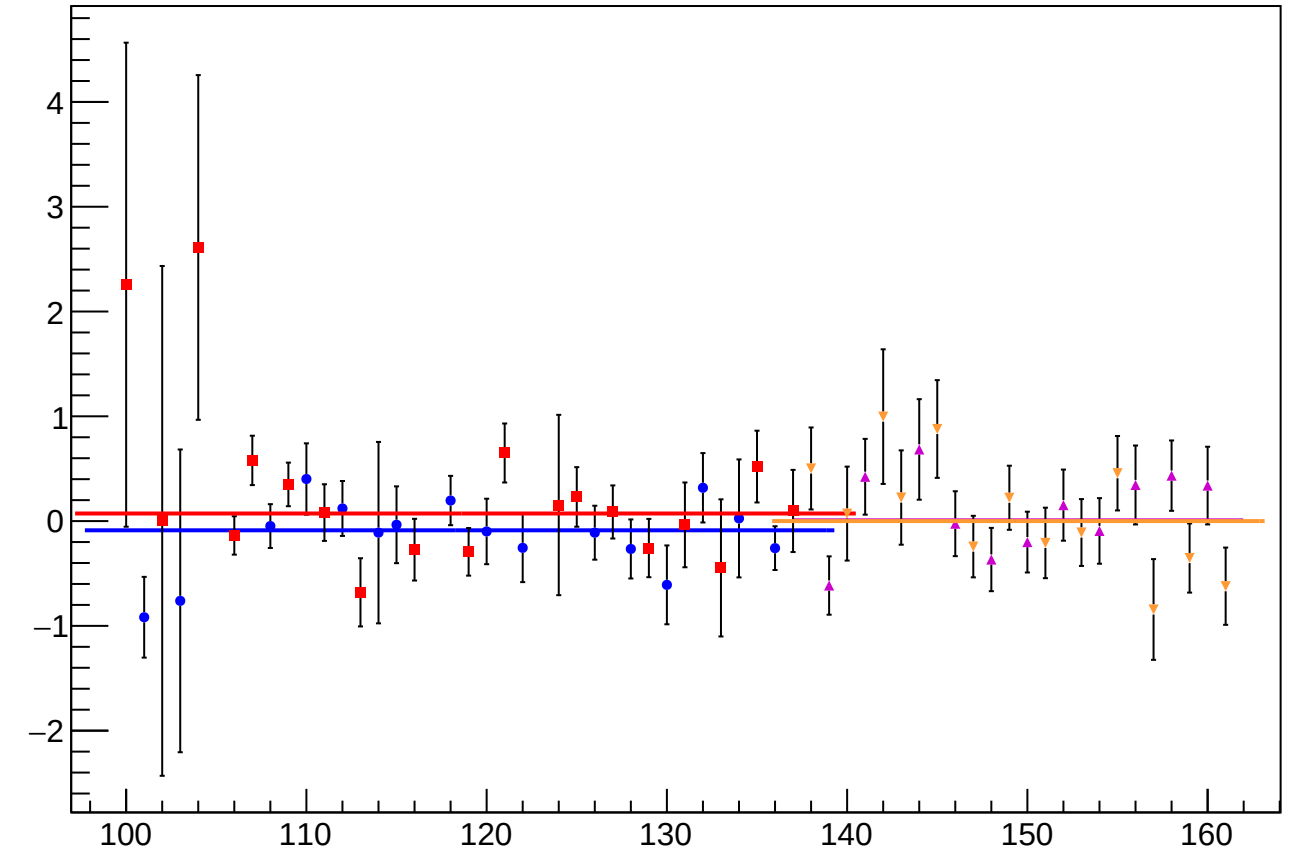
Left: 0.000+/-0.000 χ^2/NDF: 2192238.0/23

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3141086.6/26

Out: 0.000+/-0.000 χ^2/NDF:2928046.8/31

All: 0.000+/-0.000 χ^2/NDF: 6071311.6/58



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.100 χ^2/NDF:13.9/10

Left: 0.004+/-0.072 χ^2/NDF: 32.2/23

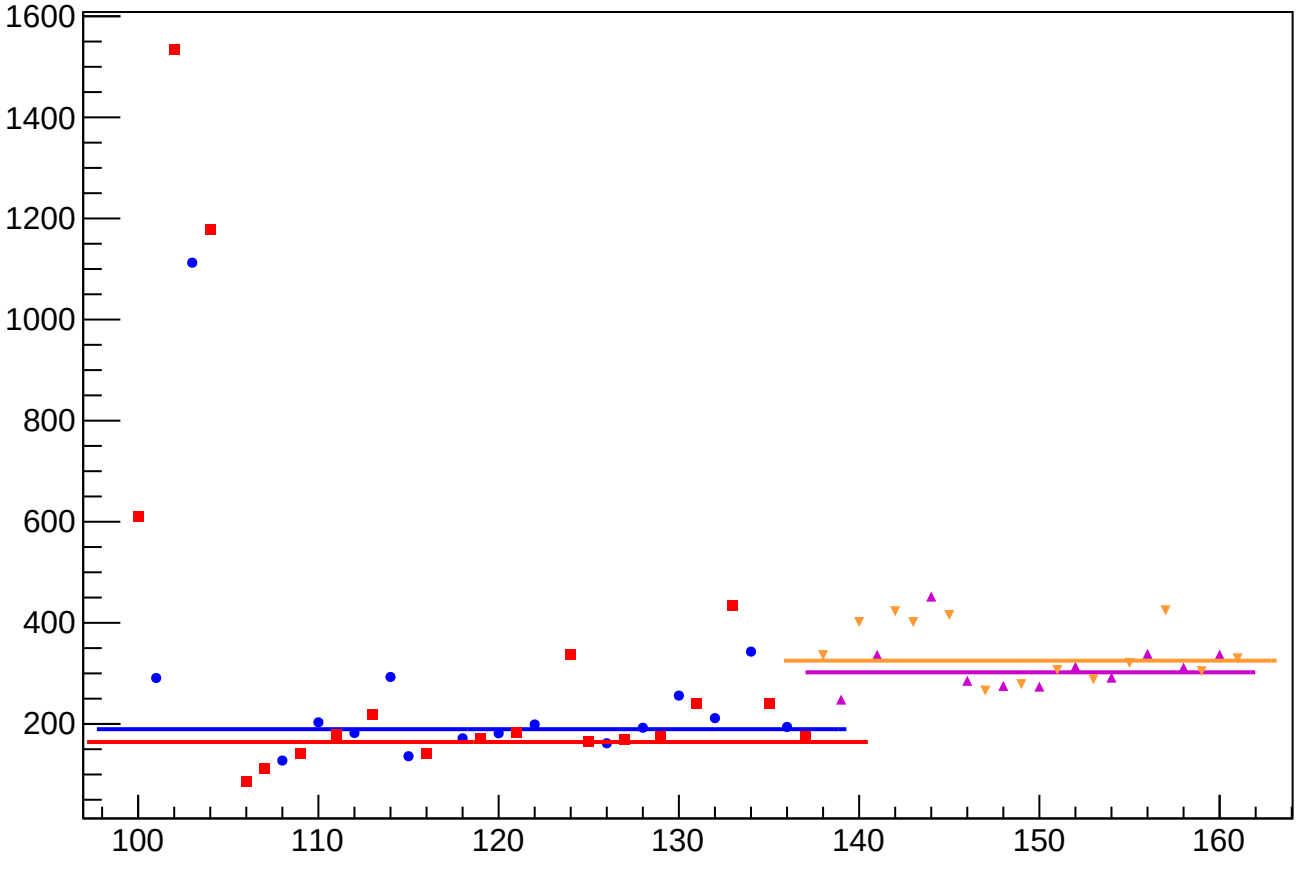
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.050+/-0.058 χ^2/NDF:47.3/31

All: 0.001+/-0.042 χ^2/NDF: 77.1/58

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 325.205+/-0.073 χ^2/NDF:492957.4/12

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

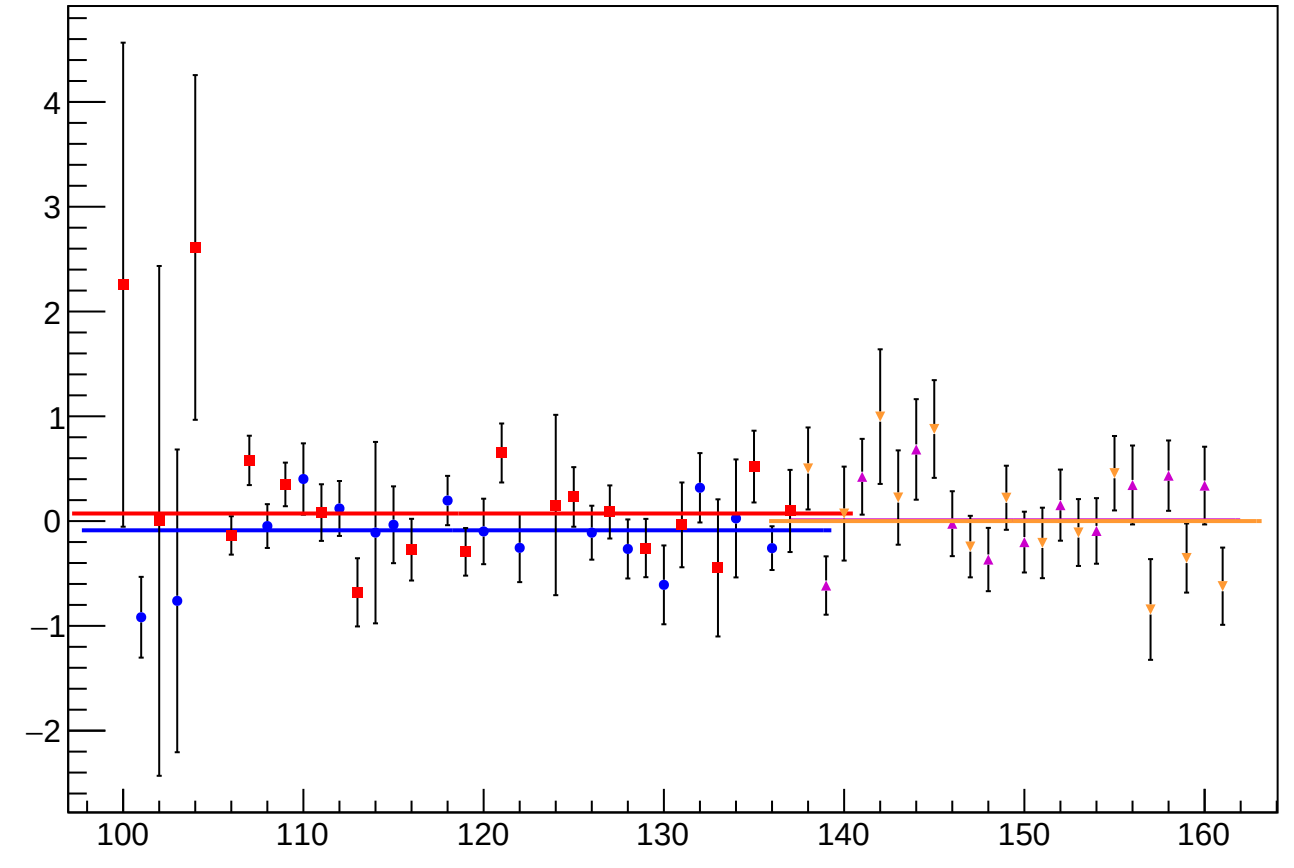
Left: 313.246+/-0.051 χ^2/NDF: 916134.3/23

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.403+/-0.043 χ^2/NDF:3432045.2/26

Out: 214.755+/-0.041 χ^2/NDF:6449897.4/31

All: 222.678+/-0.030 χ^2/NDF: 9960358.9/58



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.100 χ^2/NDF:13.9/10

Left: 0.004+/-0.072 χ^2/NDF: 32.2/23

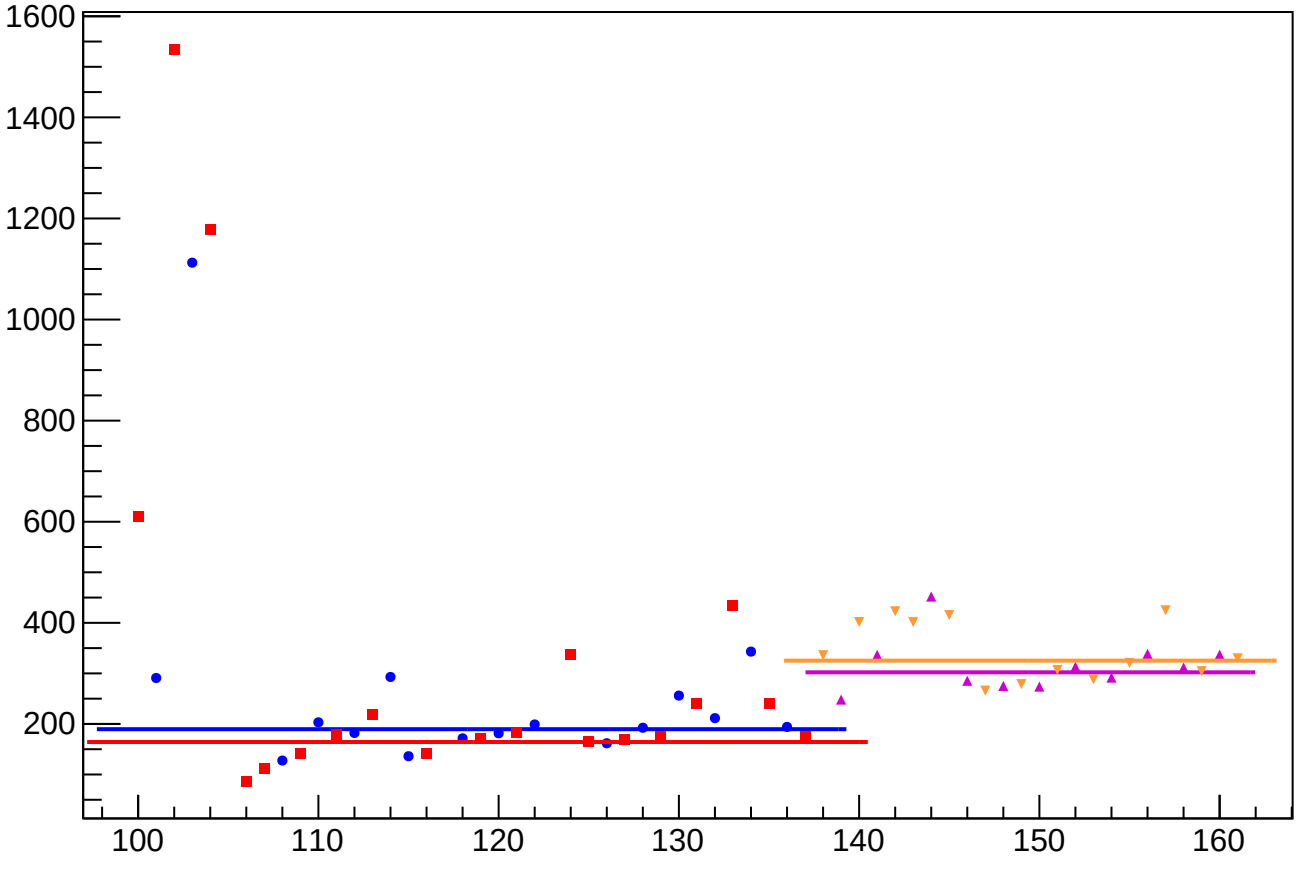
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.050+/-0.058 χ^2/NDF:47.3/31

All: 0.001+/-0.042 χ^2/NDF: 77.1/58

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 325.205+/-0.073 χ^2/NDF:492957.4/12

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

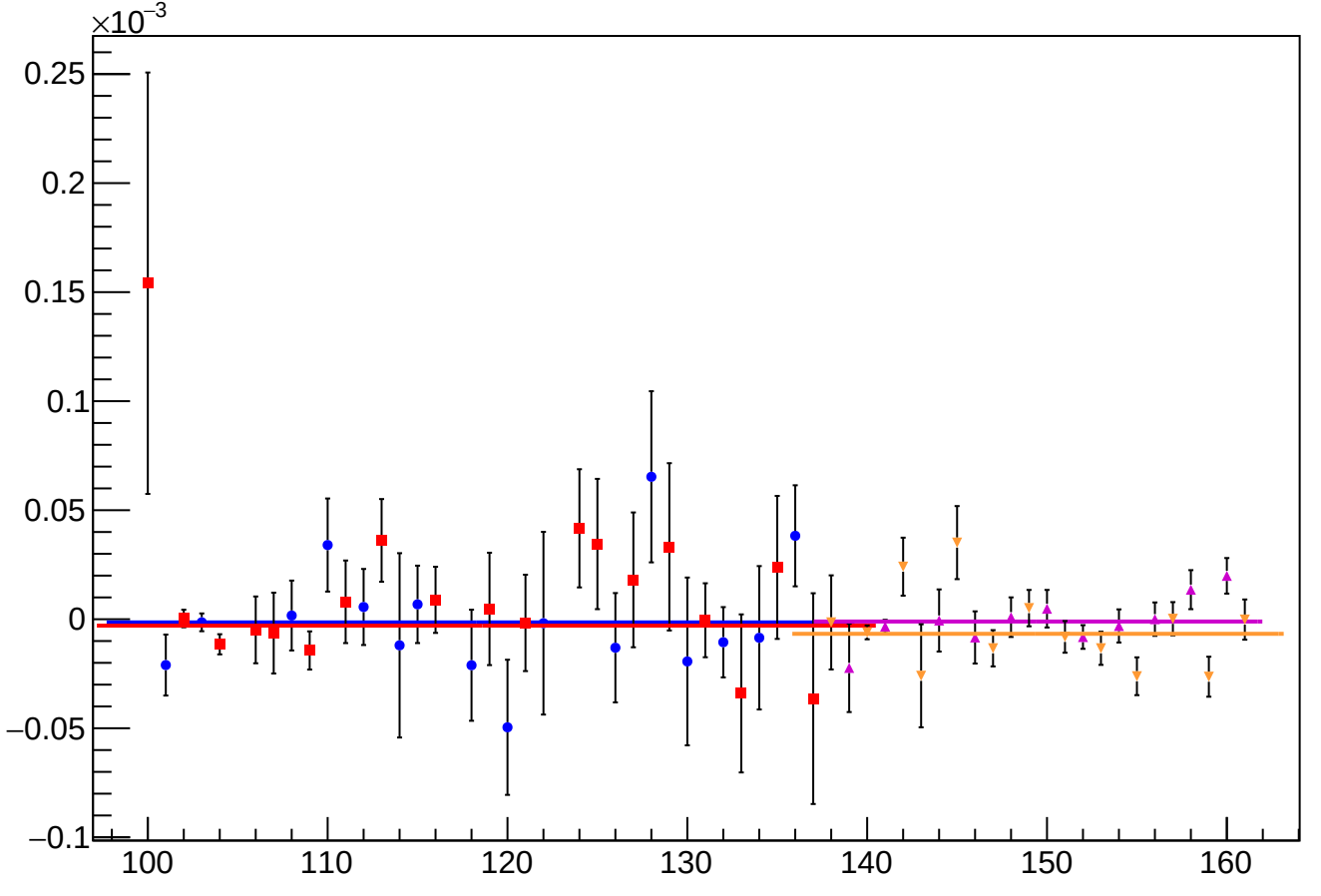
Left: 313.246+/-0.051 χ^2/NDF: 916134.3/23

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 231.403+/-0.043 χ^2/NDF:3432045.2/26

Out: 214.755+/-0.041 χ^2/NDF:6449897.4/31

All: 222.678+/-0.030 χ^2/NDF: 9960358.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/10

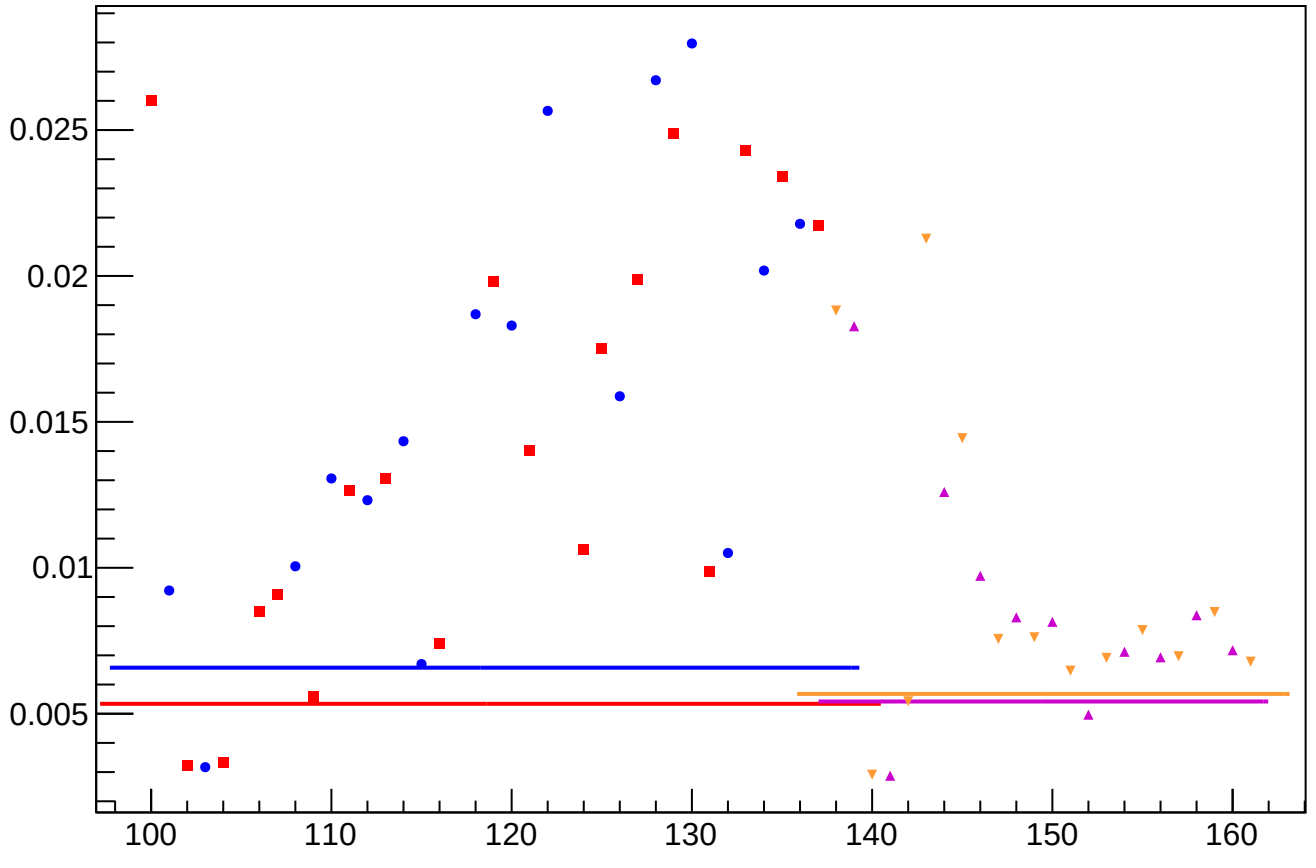
Left: -0.000+/-0.000 χ^2/NDF: 44.1/23

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:28.5/26

Out: -0.000+/-0.000 χ^2/NDF:49.3/31

All: -0.000+/-0.000 χ^2/NDF: 80.7/58



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:4369943.3/12

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3861443.8/10

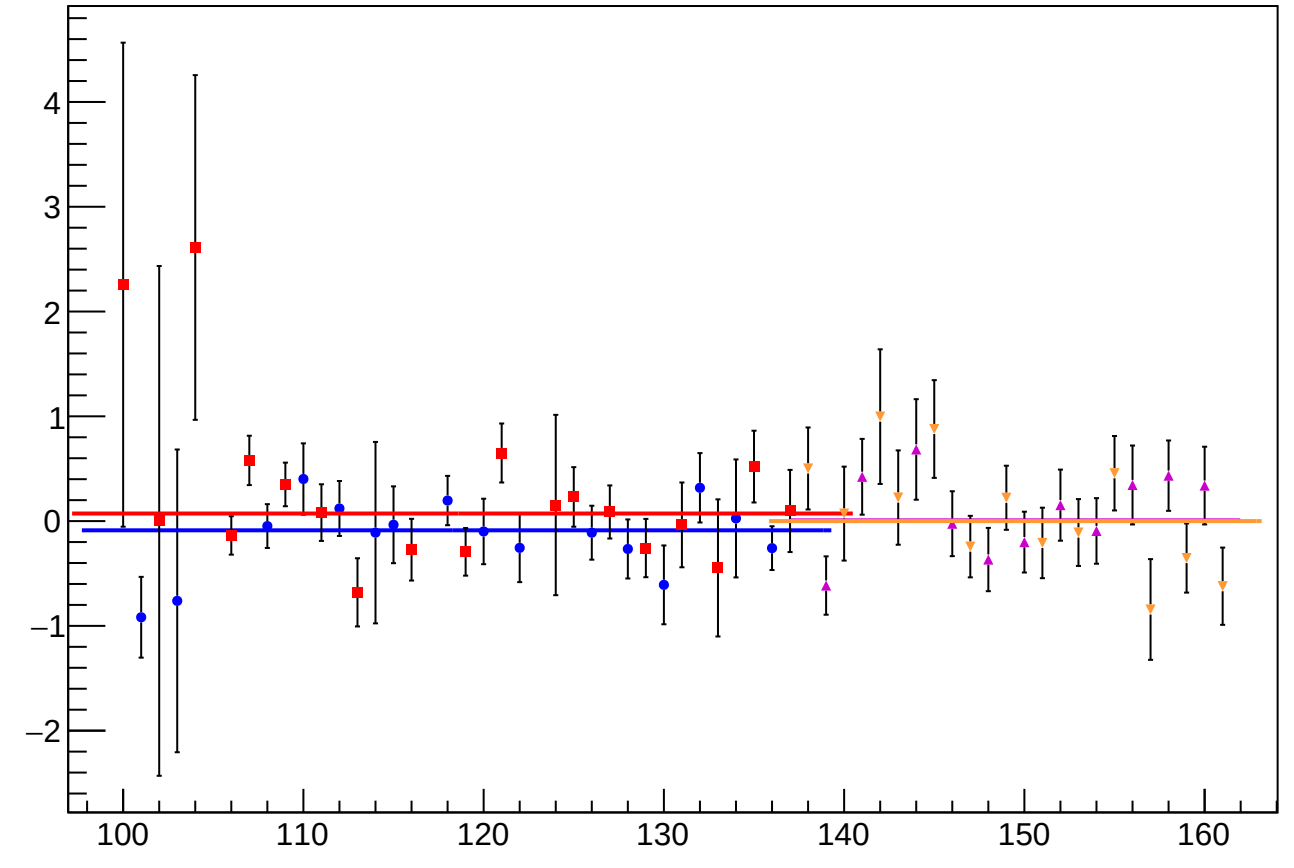
Left: 0.006+/-0.000 χ^2/NDF: 8247362.9/23

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:9967245.7/26

Out: 0.006+/-0.000 χ^2/NDF:10076895.4/31

All: 0.006+/-0.000 χ^2/NDF: 20057134.6/58



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.100 χ^2/NDF:13.9/10

Left: 0.004+/-0.072 χ^2/NDF: 32.2/23

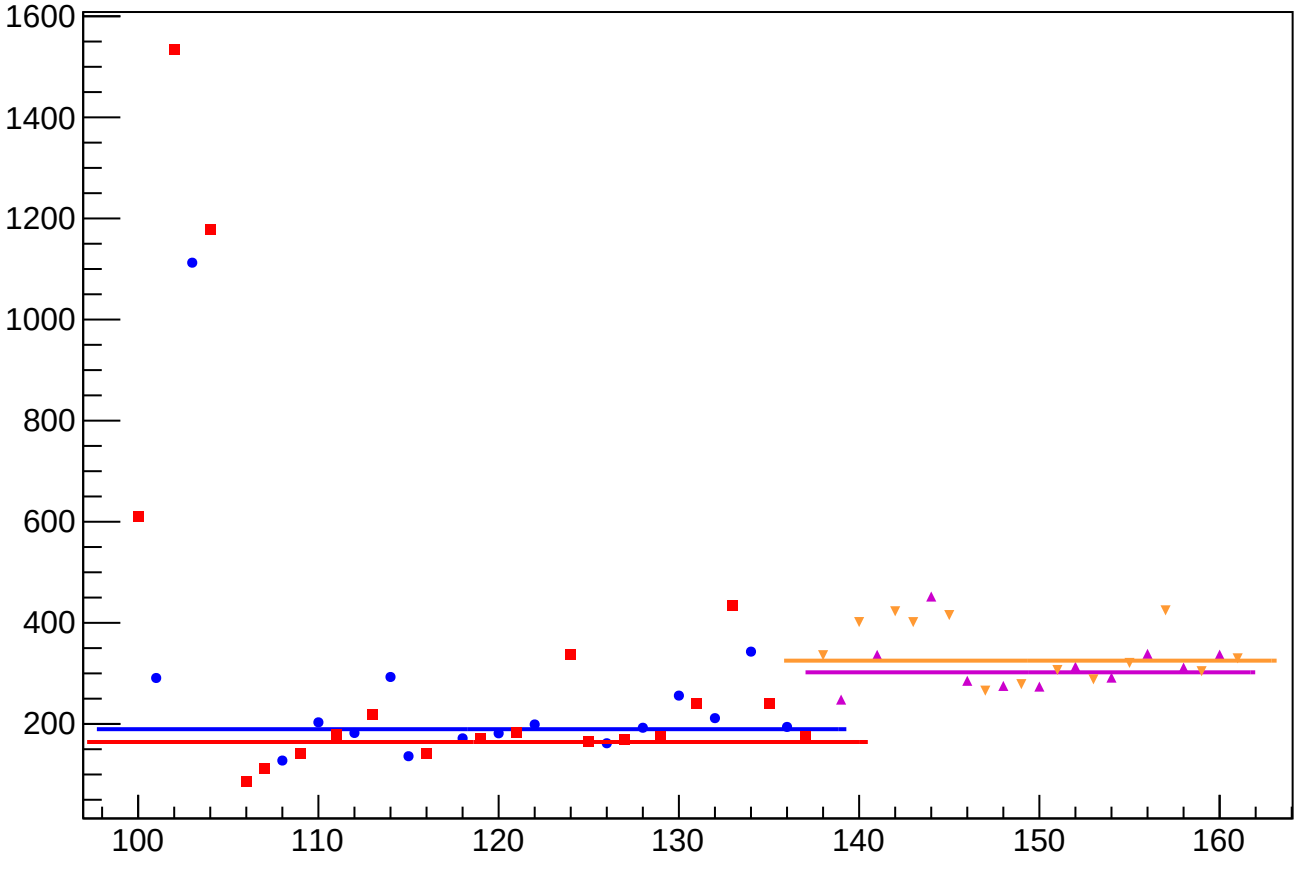
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.050+/-0.058 χ^2/NDF:47.3/31

All: 0.001+/-0.042 χ^2/NDF: 77.1/58

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 325.209+/-0.073 χ^2/NDF:492942.9/12

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

Left: 313.250+/-0.051 χ^2/NDF: 916101.3/23

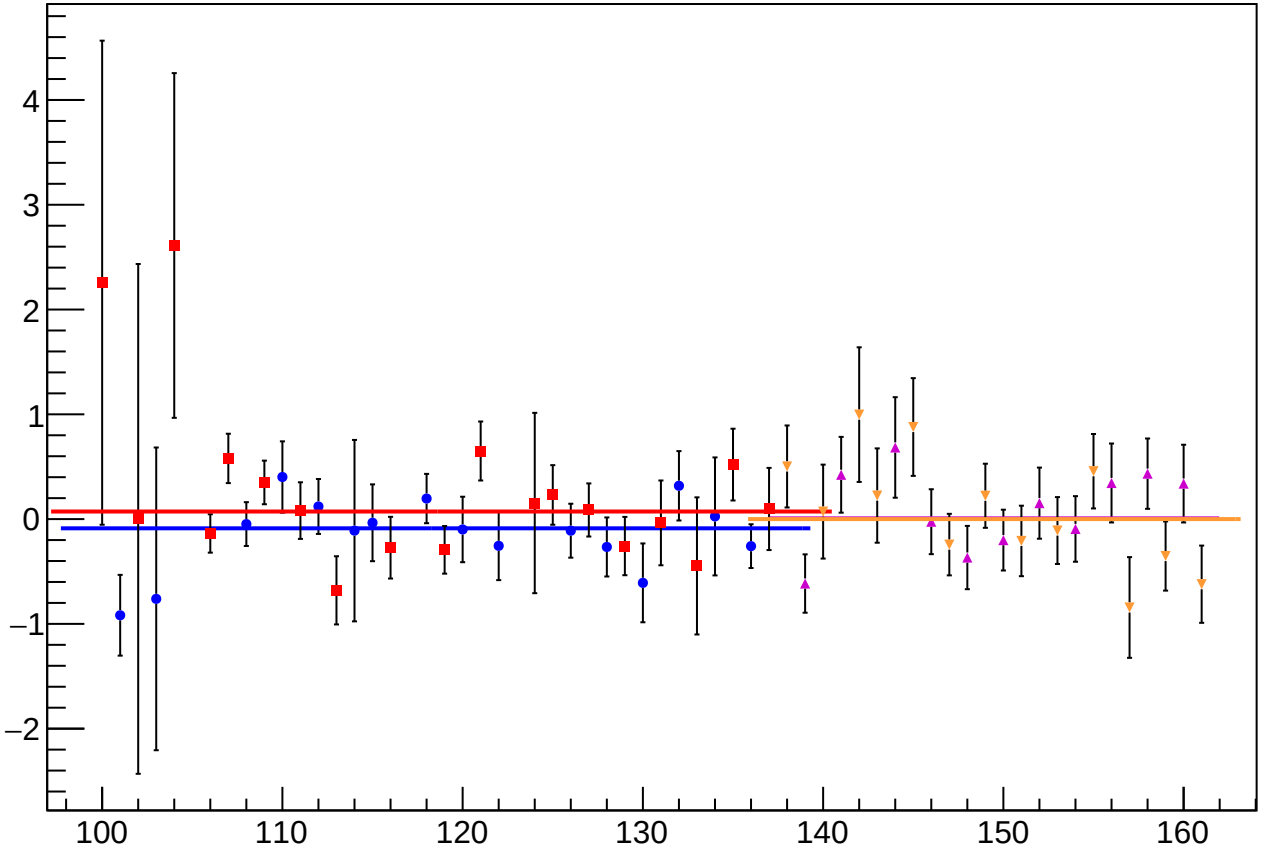
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.403+/-0.043 χ^2/NDF:3432121.0/26

Out: 214.754+/-0.041 χ^2/NDF:6450014.3/31

All: 222.678+/-0.030 χ^2/NDF: 9960556.7/58

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: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.007+/-0.100 χ^2/NDF:13.9/10

Left: 0.004+/-0.072 χ^2/NDF: 32.2/23

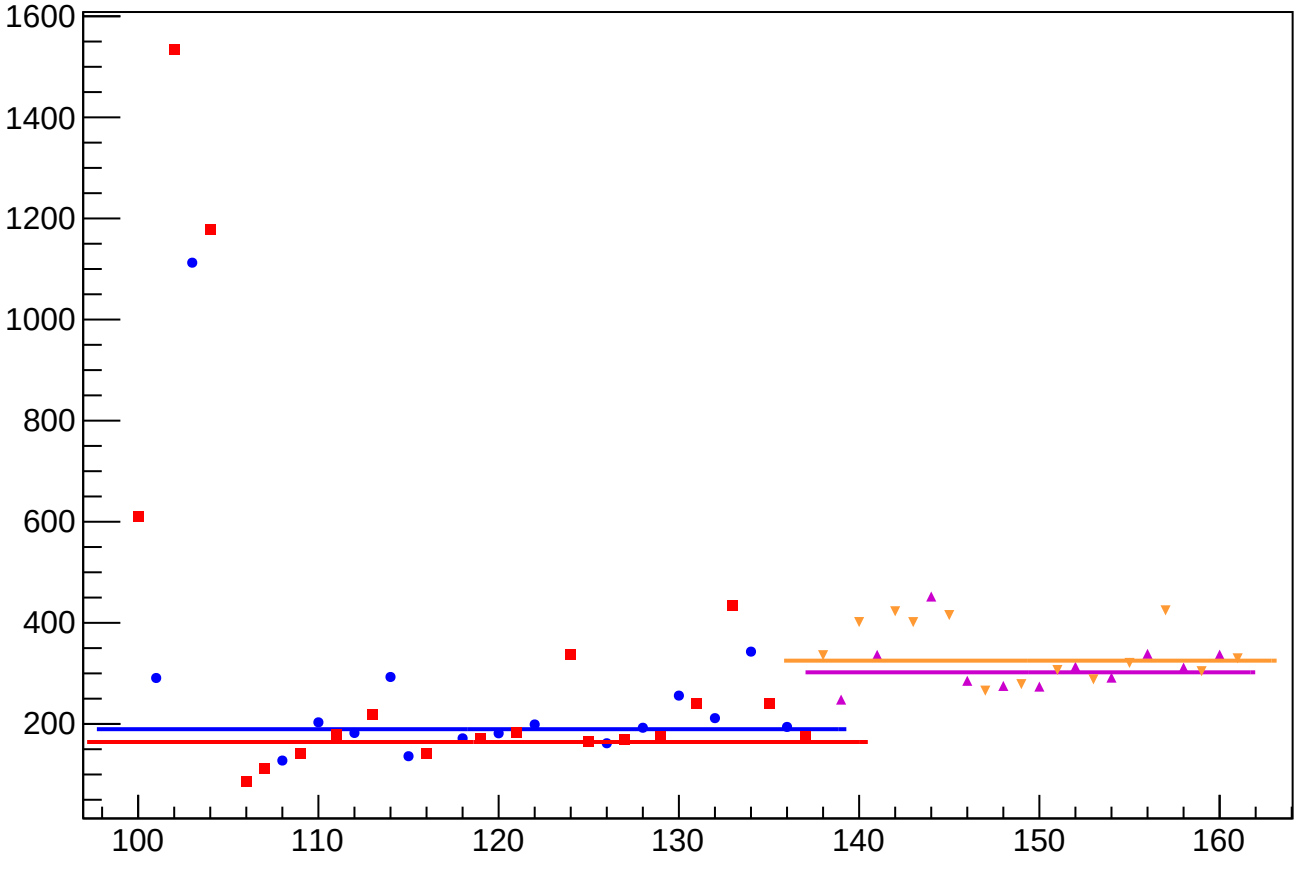
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.053+/-0.061 χ^2/NDF:28.3/26

Out: 0.050+/-0.058 χ^2/NDF:47.3/31

All: 0.001+/-0.042 χ^2/NDF: 77.1/58

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: 325.209+/-0.073 χ^2/NDF:492942.9/12

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

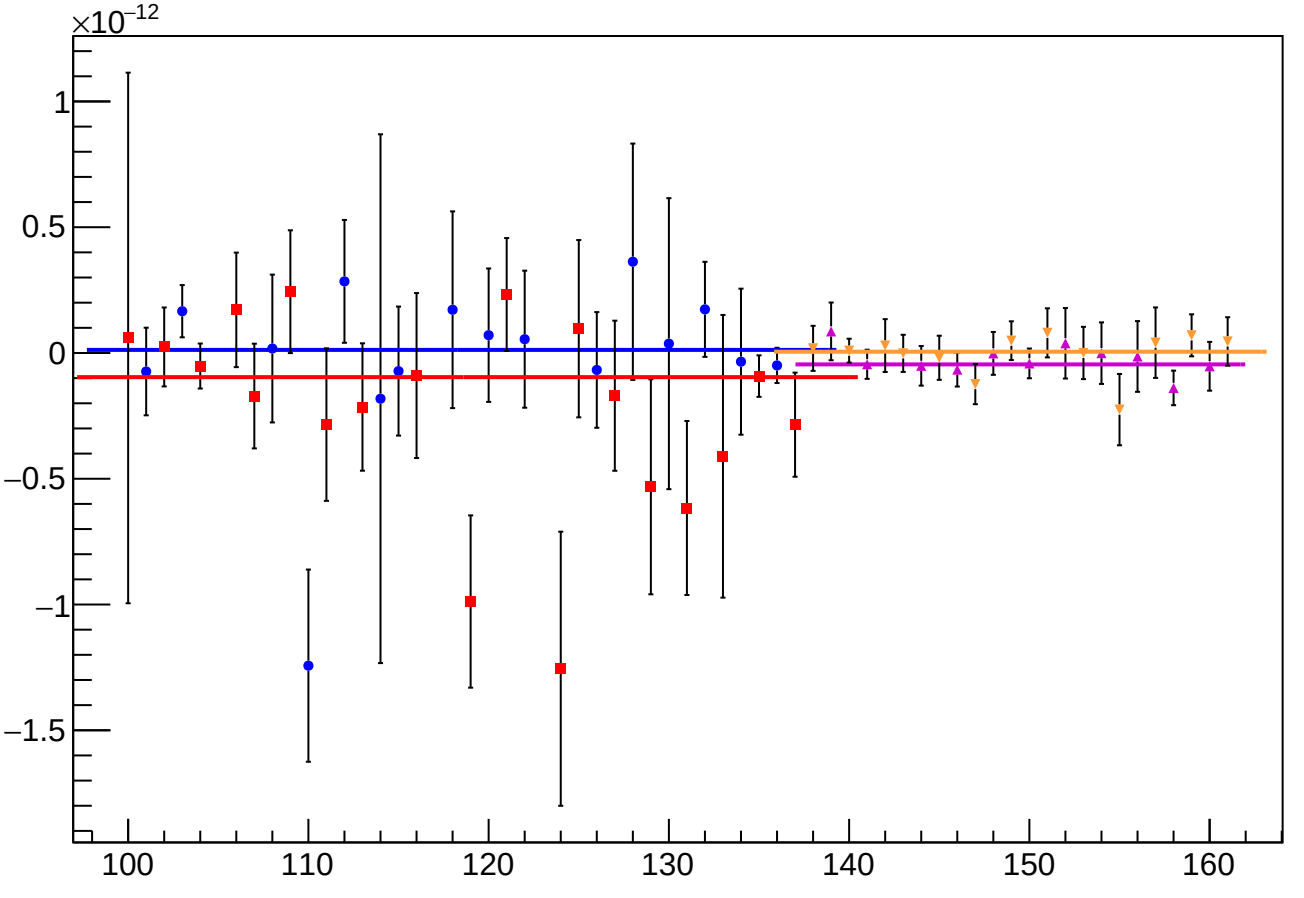
Left: 313.250+/-0.051 χ^2/NDF: 916101.3/23

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.403+/-0.043 χ^2/NDF:3432121.0/26

Out: 214.754+/-0.041 χ^2/NDF:6450014.3/31

All: 222.678+/-0.030 χ^2/NDF: 9960556.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/10

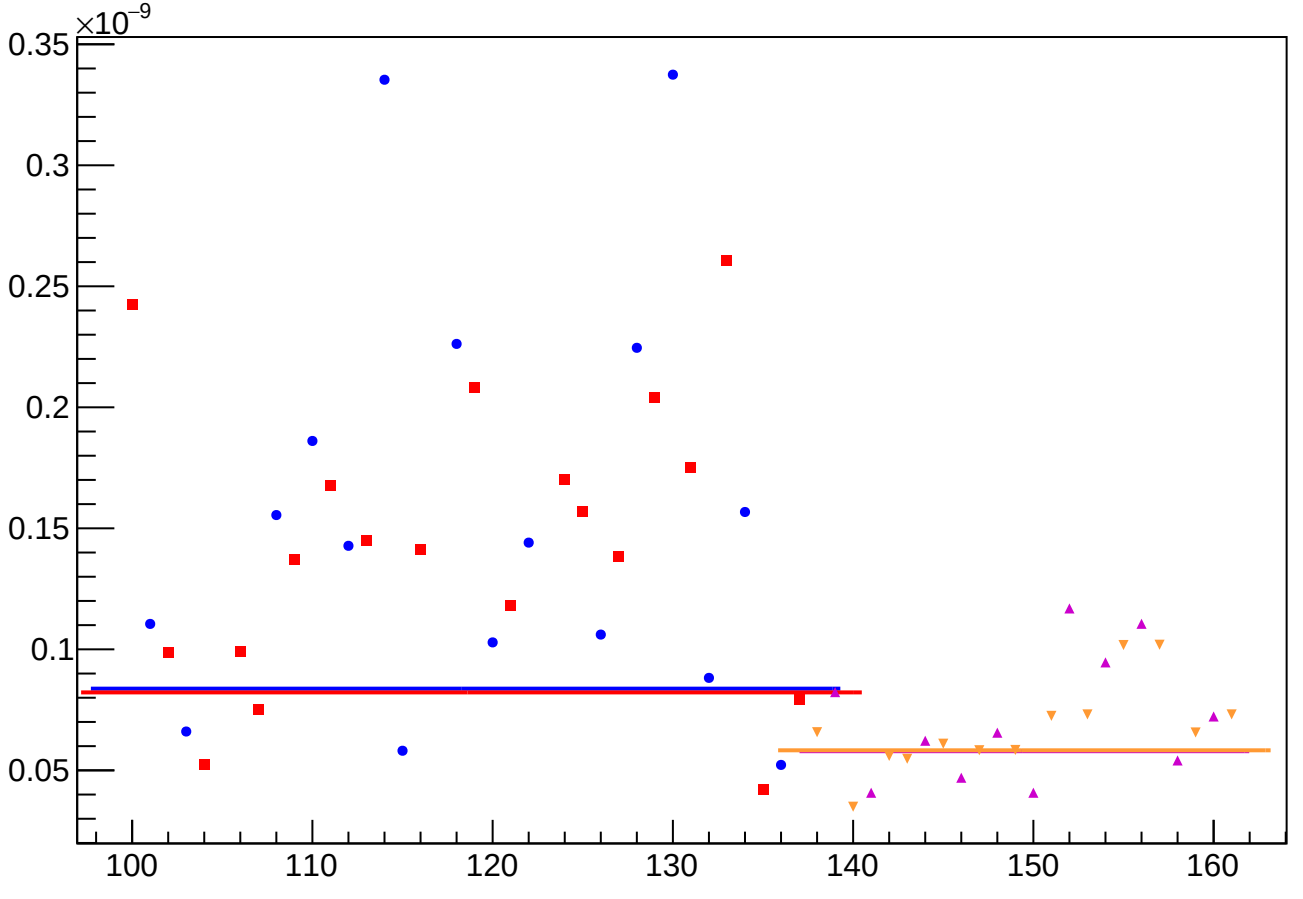
Left: -0.000+/-0.000 χ^2/NDF: 13.5/23

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:22.4/26

Out: -0.000+/-0.000 χ^2/NDF:34.4/31

All: -0.000+/-0.000 χ^2/NDF: 57.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1033583.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1373624.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2407438.6/23

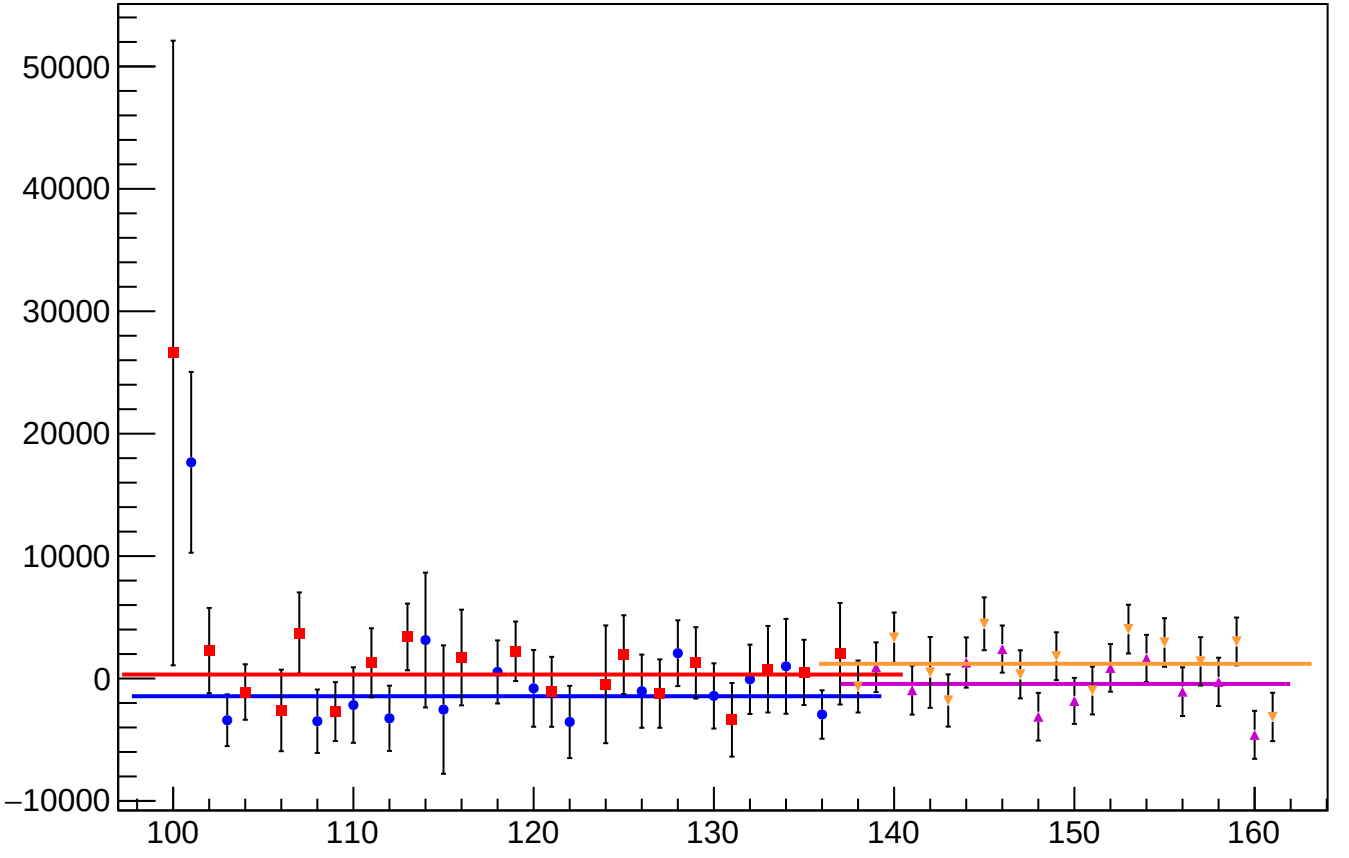
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3981457.4/26

Out: 0.000+/-0.000 χ^2/NDF:3755720.8/31

All: 0.000+/-0.000 χ^2/NDF: 7737441.5/58

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.109+/-570.163 χ^2/NDF:16.2/12

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -442.258+/-592.455 χ^2/NDF:12.1/10

Left: 411.442+/-410.821 χ^2/NDF: 32.3/23

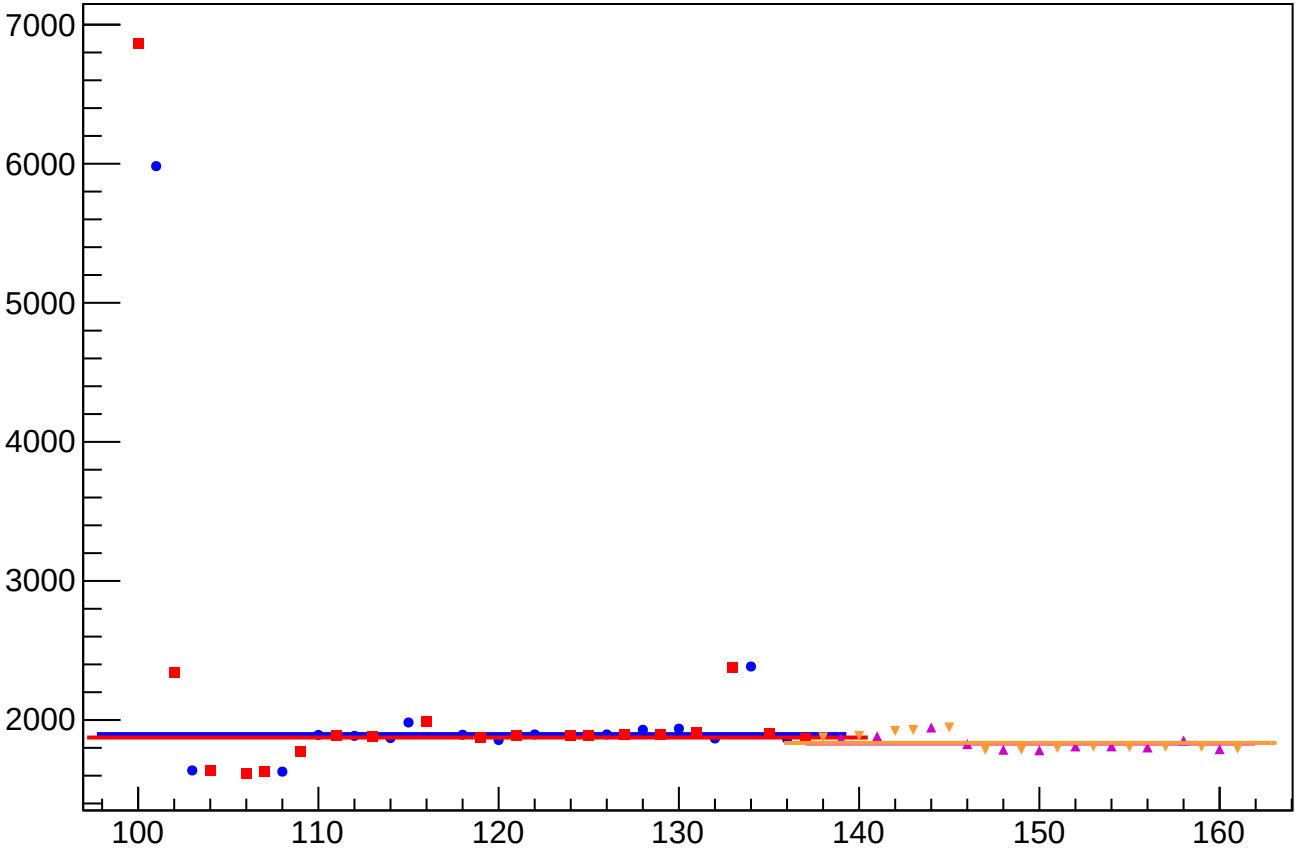
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -845.615+/-458.288 χ^2/NDF:26.8/26

Out: 854.233+/-442.739 χ^2/NDF:27.1/31

All: 33.633+/-318.419 χ^2/NDF: 61.0/58

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1835.515+/-0.403 χ^2/NDF:18380.9/12

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

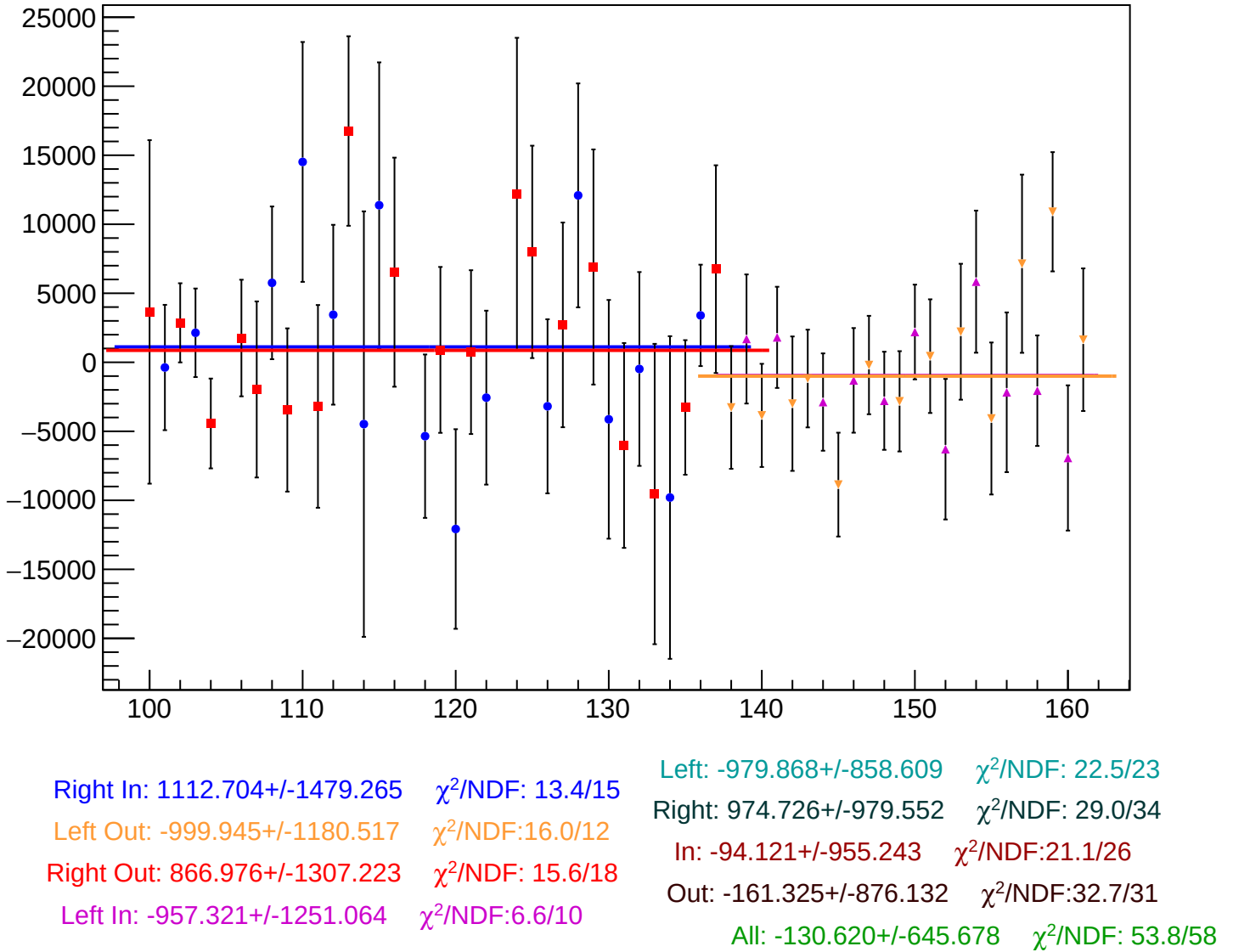
Left: 1833.442+/-0.290 χ^2/NDF: 31035.3/23

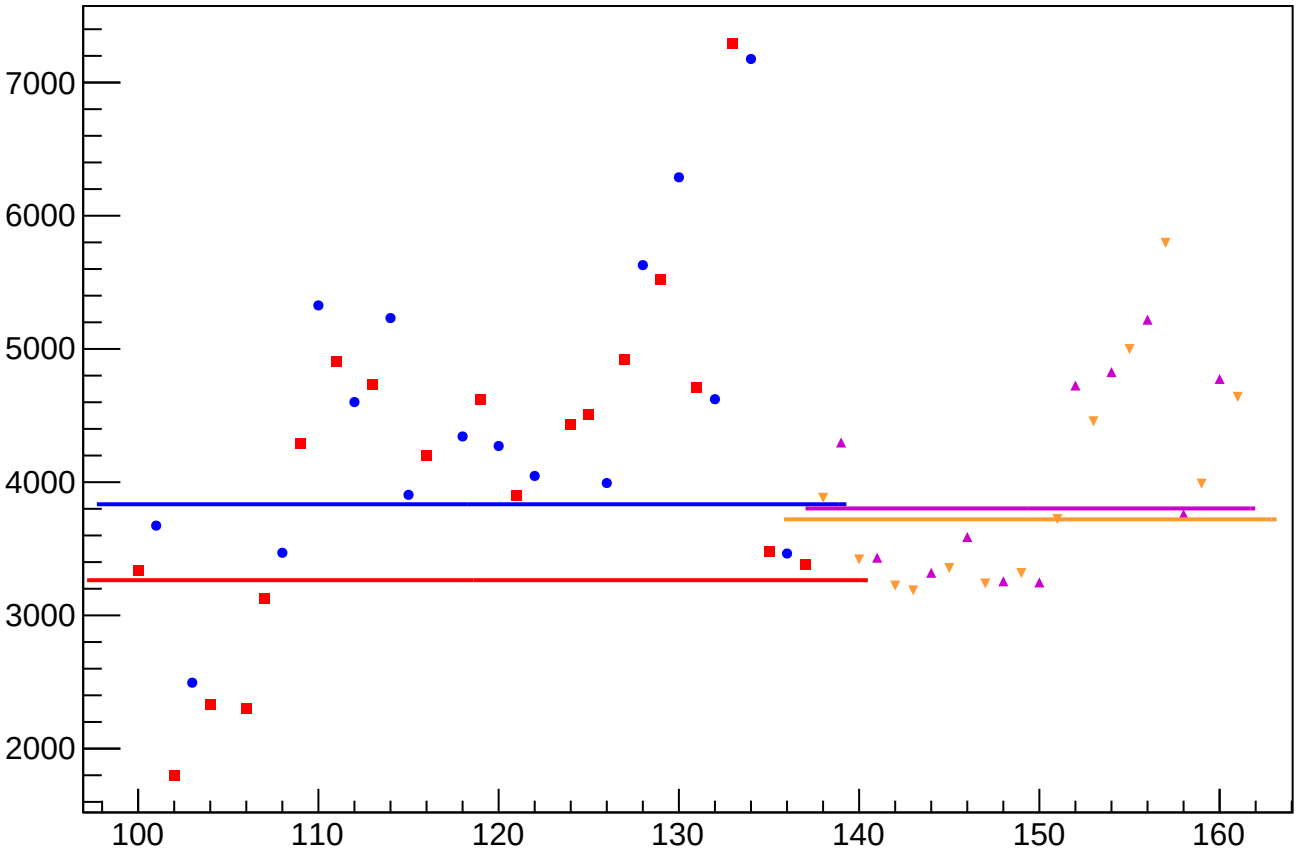
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1858.363+/-0.324 χ^2/NDF:720578.7/26

Out: 1850.957+/-0.313 χ^2/NDF:229718.6/31

All: 1854.527+/-0.225 χ^2/NDF: 950567.7/58


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -999.945+/-1180.517 χ²/NDF:16.0/12
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -957.321+/-1251.064 χ²/NDF:6.6/10
Left: -979.868+/-858.609 χ²/NDF: 22.5/23
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -94.121+/-955.243 χ²/NDF:21.1/26
Out: -161.325+/-876.132 χ²/NDF:32.7/31
All: -130.620+/-645.678 χ²/NDF: 53.8/58



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3720.964+/-0.835 χ^2/NDF:592021.3/12

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3802.809+/-0.885 χ^2/NDF:519556.5/10

Left: 3759.514+/-0.607 χ^2/NDF: 1116105.8/23

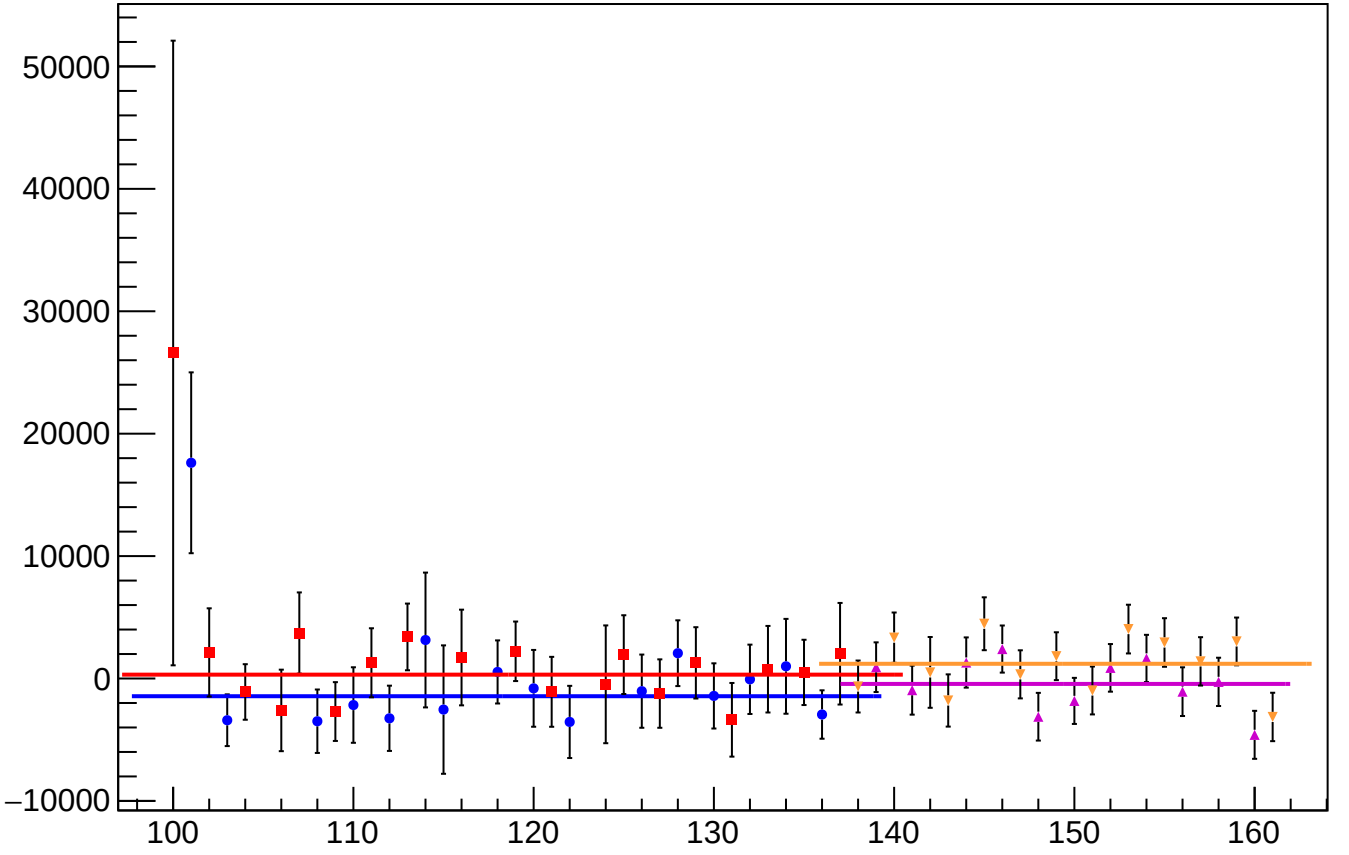
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3815.884+/-0.675 χ^2/NDF:1476855.9/26

Out: 3515.745+/-0.620 χ^2/NDF:2590811.1/31

All: 3652.874+/-0.457 χ^2/NDF: 4174903.0/58

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.251+/-570.163 χ^2/NDF:16.2/12

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -442.285+/-592.455 χ^2/NDF:12.1/10

Left: 411.503+/-410.821 χ^2/NDF: 32.3/23

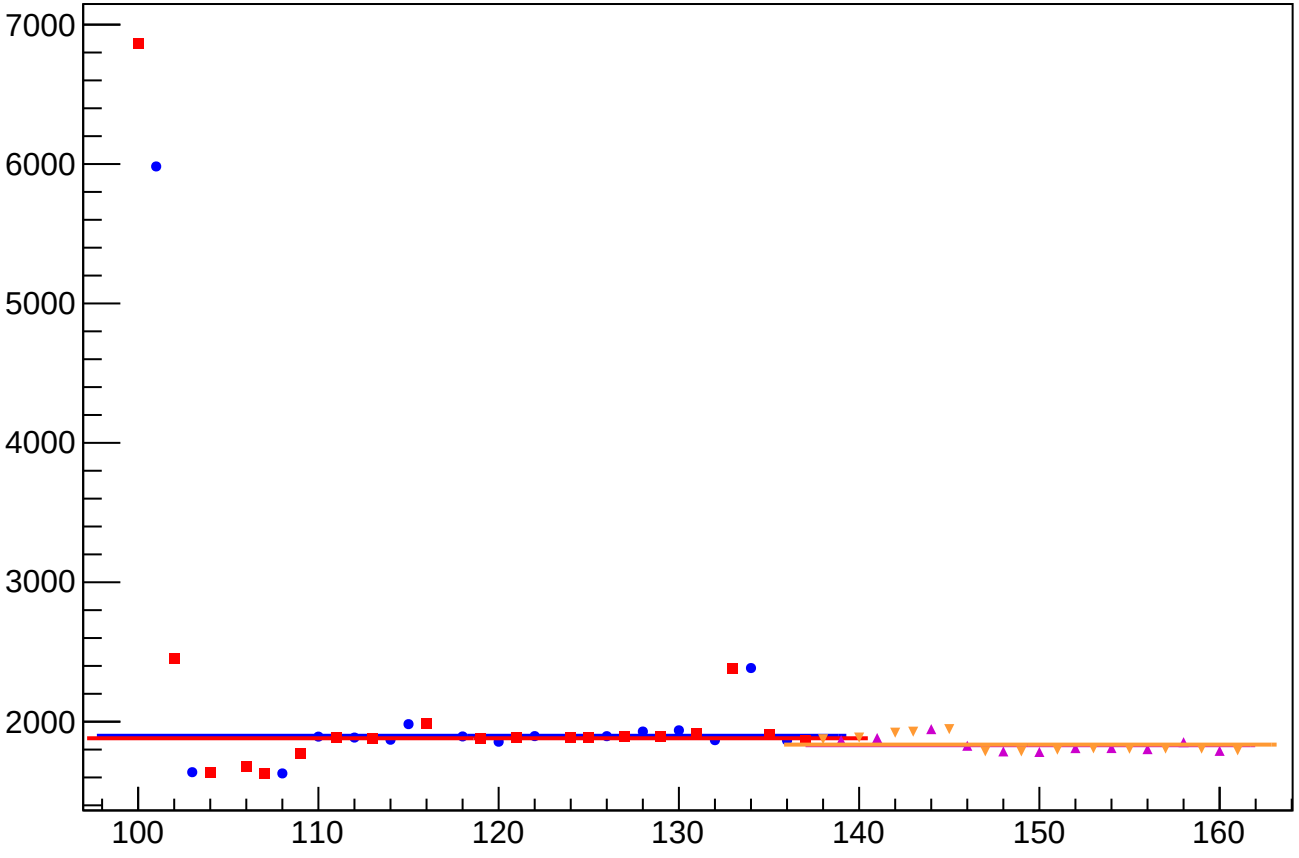
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -845.786+/-458.288 χ^2/NDF:26.7/26

Out: 850.743+/-442.976 χ^2/NDF:27.0/31

All: 31.293+/-318.507 χ^2/NDF: 60.9/58

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1835.516+/-0.403 χ^2/NDF:18380.9/12

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

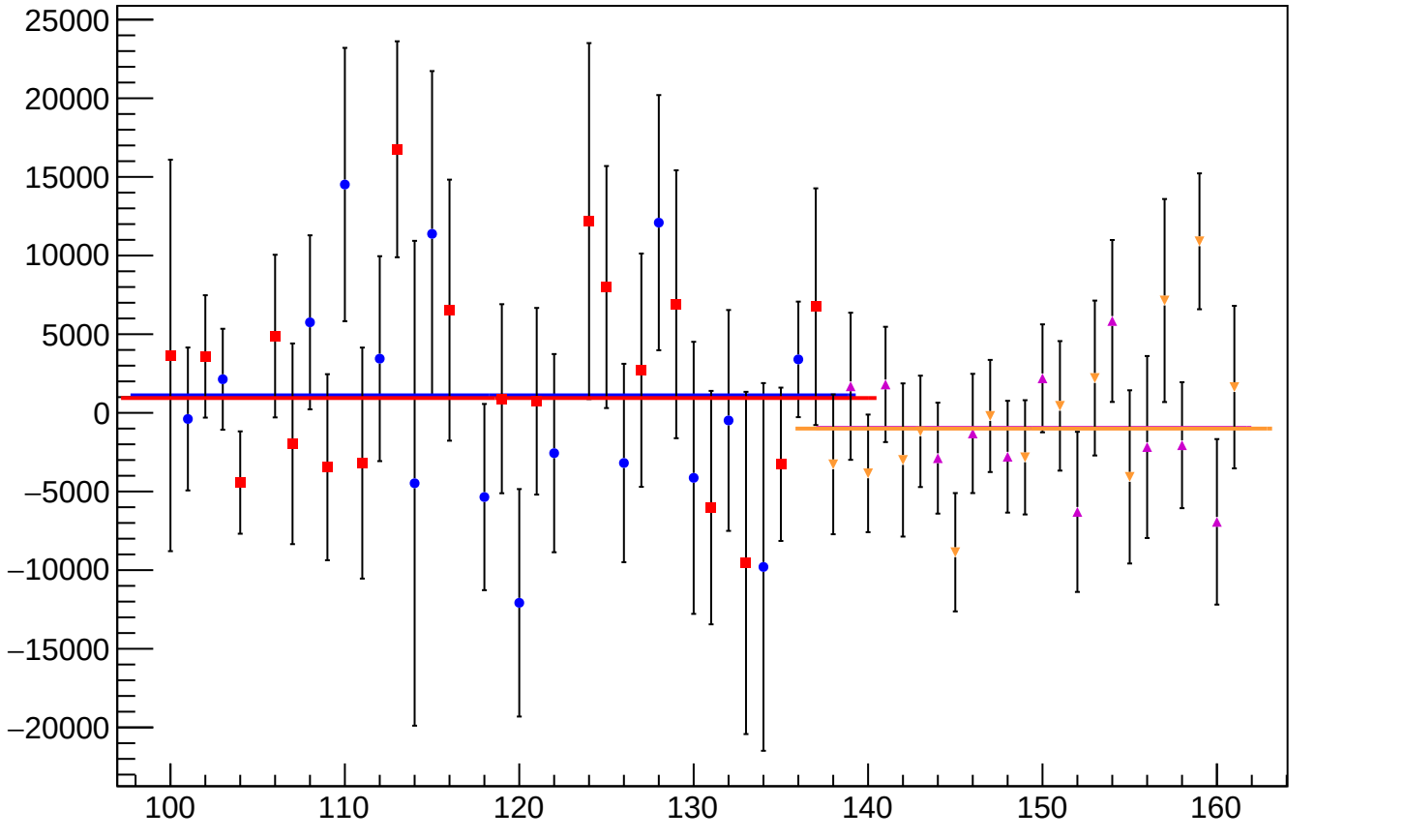
Left: 1833.442+/-0.290 χ^2/NDF: 31035.3/23

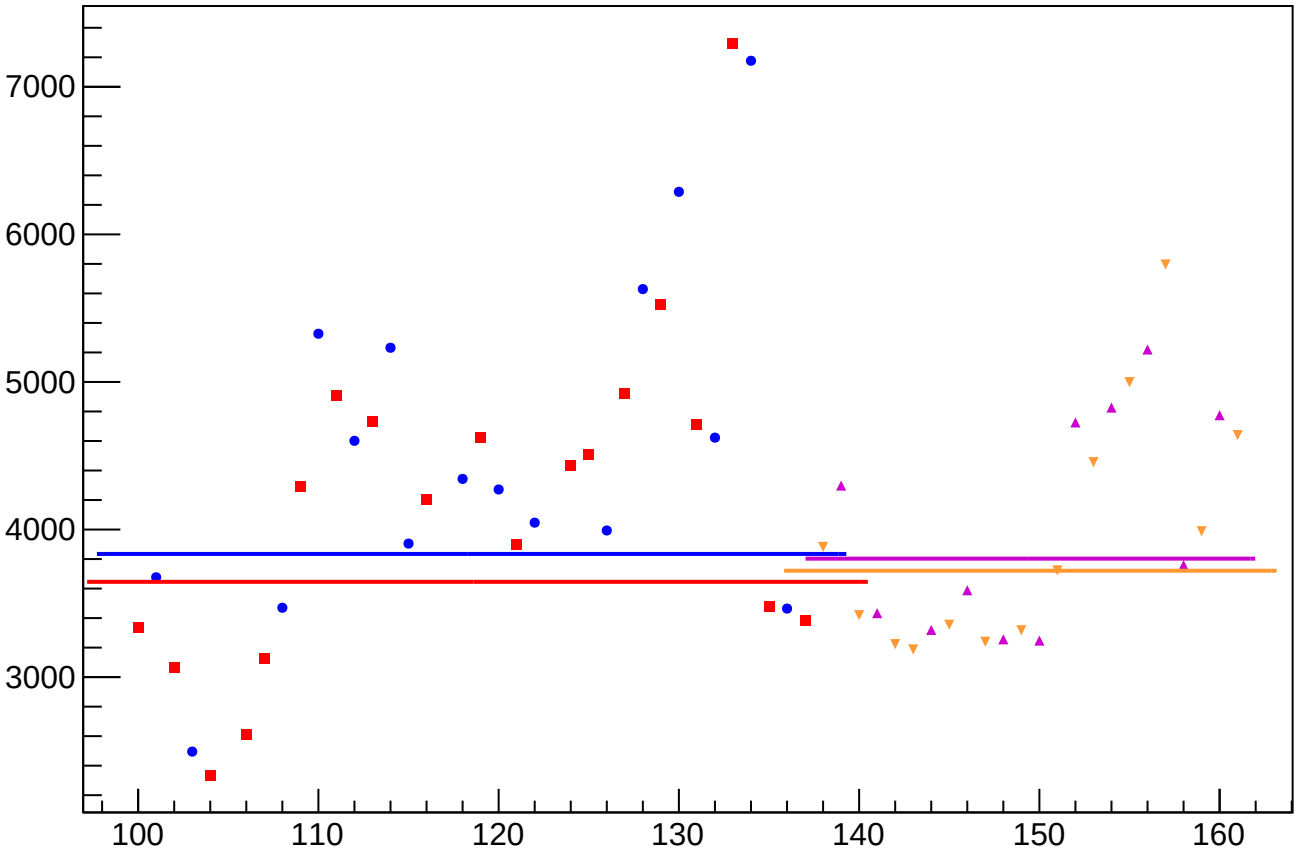
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1858.363+/-0.324 χ^2/NDF:720578.8/26

Out: 1853.581+/-0.313 χ^2/NDF:240001.3/31

All: 1855.889+/-0.225 χ^2/NDF: 960692.7/58


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -999.879+/-1180.516 χ²/NDF:16.0/12
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -957.439+/-1251.063 χ²/NDF:6.6/10
Left: -979.889+/-858.608 χ²/NDF: 22.5/23
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -94.797+/-955.289 χ²/NDF:21.1/26
Out: -192.775+/-902.221 χ²/NDF:33.3/31
All: -146.583+/-655.925 χ²/NDF: 54.4/58



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3720.961+/-0.835 χ^2/NDF:592020.3/12

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

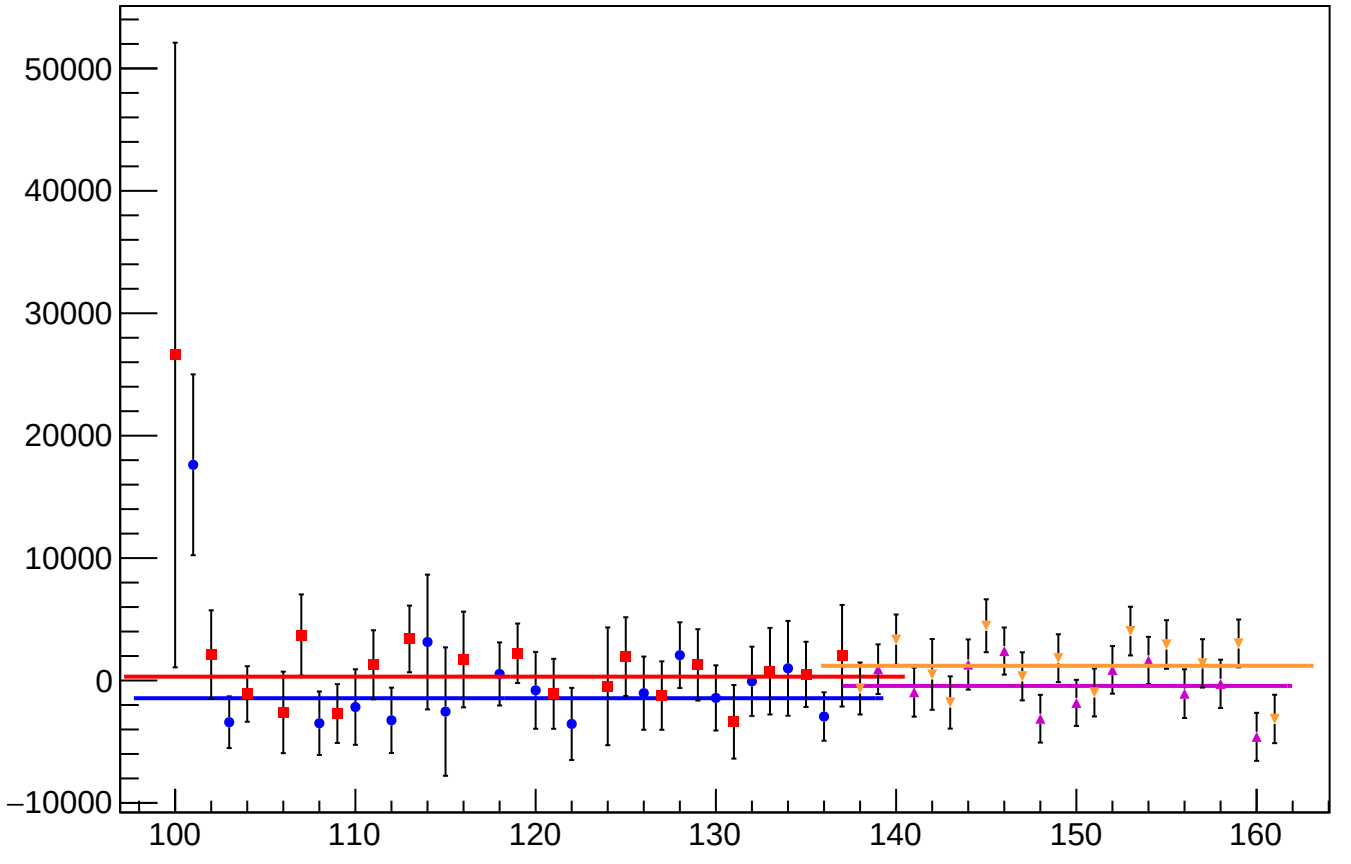
Left: 3759.510+/-0.607 χ^2/NDF: 1116113.8/23

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3816.098+/-0.675 χ^2/NDF:1476419.8/26

Out: 3689.655+/-0.638 χ^2/NDF:1720383.5/31

All: 3749.267+/-0.464 χ^2/NDF: 3215322.9/58



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.251+/-570.163 χ^2/NDF:16.2/12

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -442.285+/-592.455 χ^2/NDF:12.1/10

Left: 411.503+/-410.821 χ^2/NDF: 32.3/23

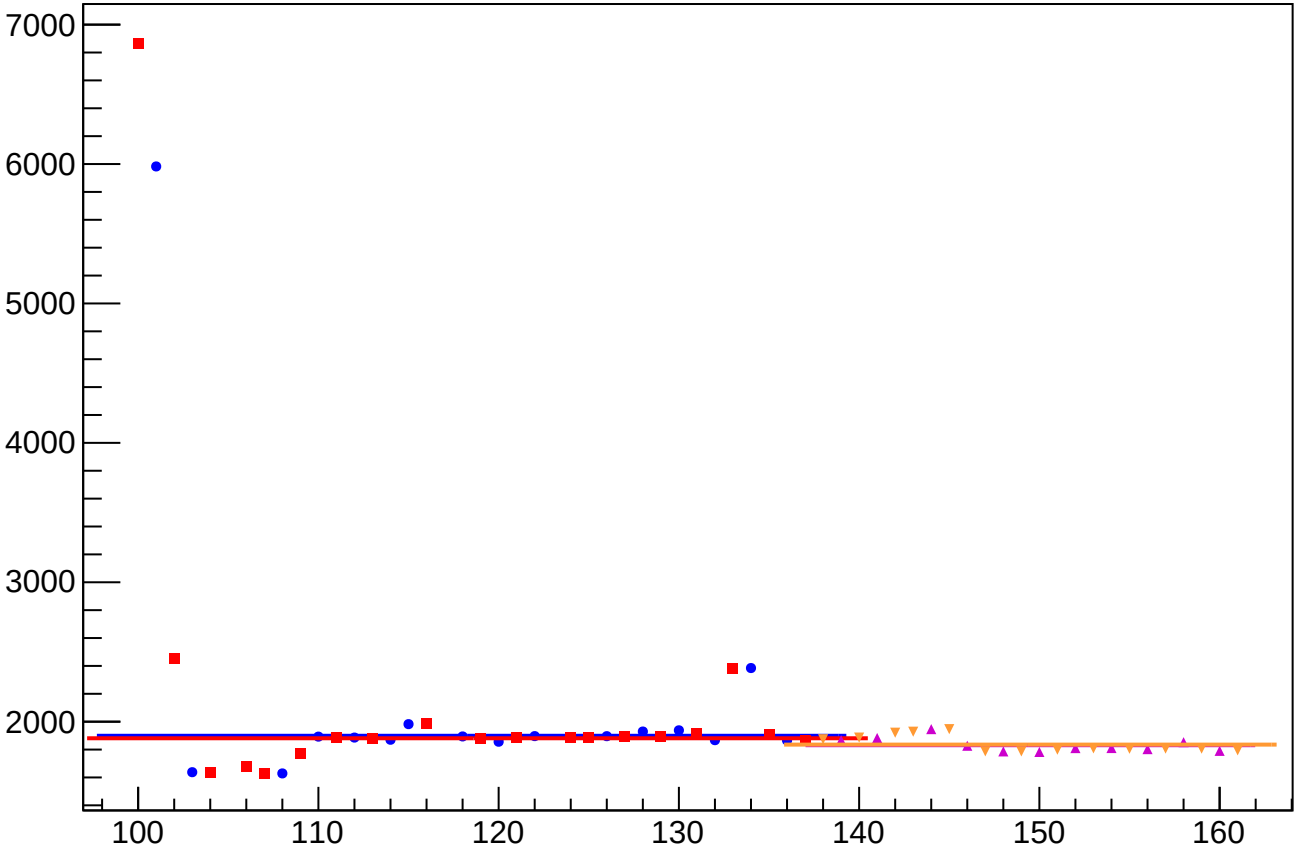
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -845.786+/-458.288 χ^2/NDF:26.7/26

Out: 850.743+/-442.976 χ^2/NDF:27.0/31

All: 31.293+/-318.507 χ^2/NDF: 60.9/58

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1835.516+/-0.403 χ^2/NDF:18380.9/12

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

Left: 1833.442+/-0.290 χ^2/NDF: 31035.3/23

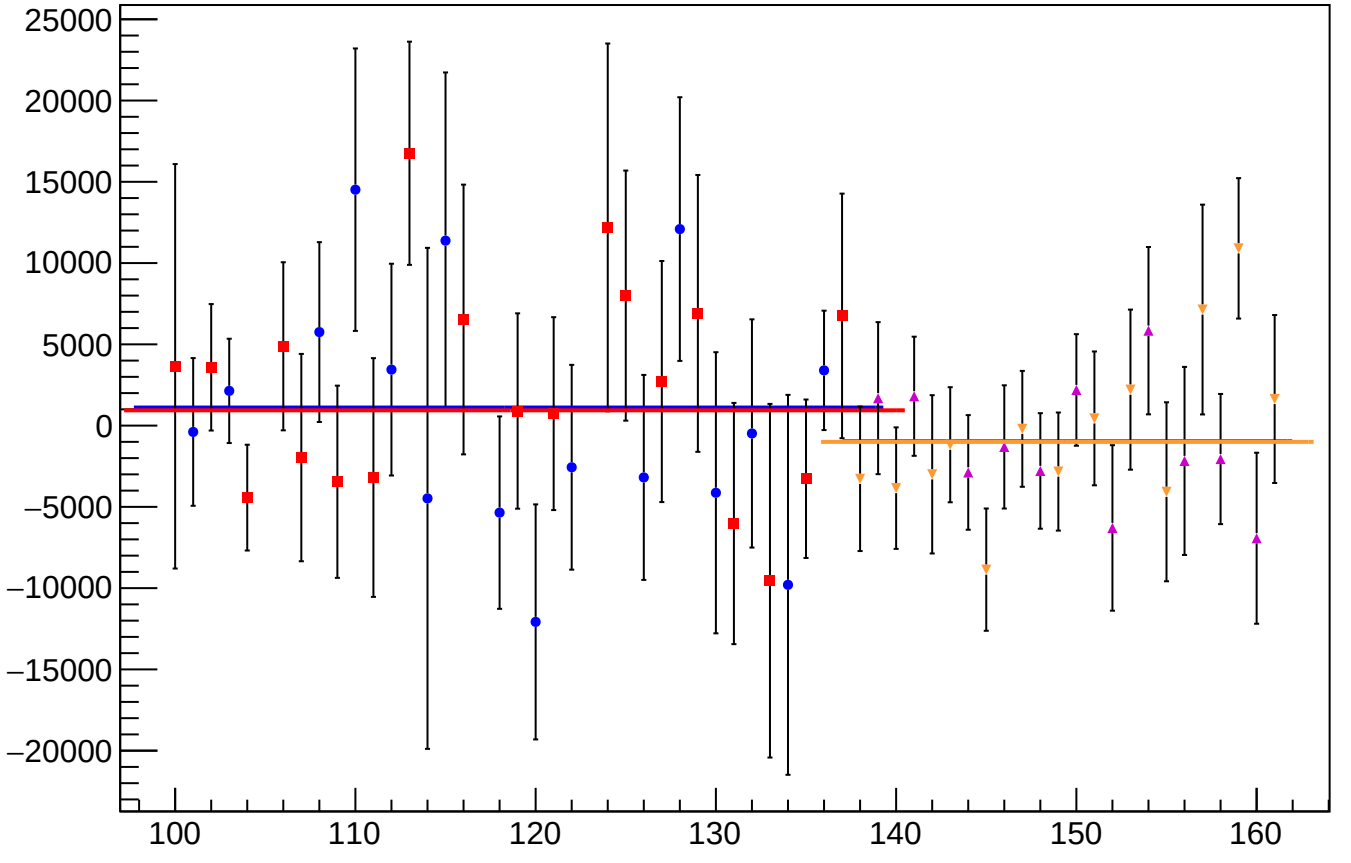
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1858.363+/-0.324 χ^2/NDF:720578.8/26

Out: 1853.581+/-0.313 χ^2/NDF:240001.3/31

All: 1855.889+/-0.225 χ^2/NDF: 960692.7/58

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: -999.879+/-1180.516 χ^2/NDF:16.0/12

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -957.439+/-1251.063 χ^2/NDF:6.6/10

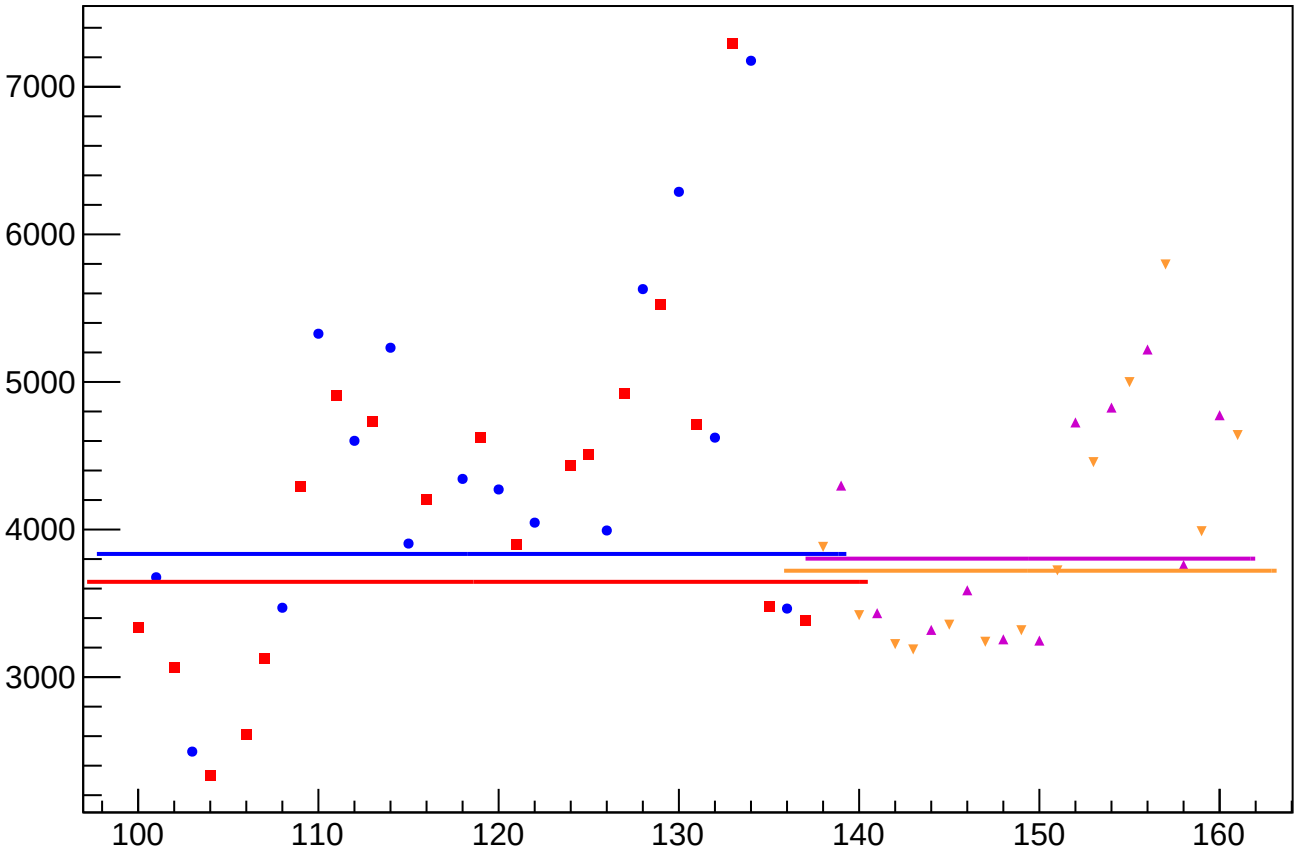
Left: -979.889+/-858.608 χ^2/NDF: 22.5/23

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -94.797+/-955.289 χ^2/NDF:21.1/26

Out: -192.775+/-902.221 χ^2/NDF:33.3/31

All: -146.583+/-655.925 χ^2/NDF: 54.4/58



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3720.961+/-0.835 χ^2/NDF:592020.3/12

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

Left: 3759.510+/-0.607 χ^2/NDF: 1116113.8/23

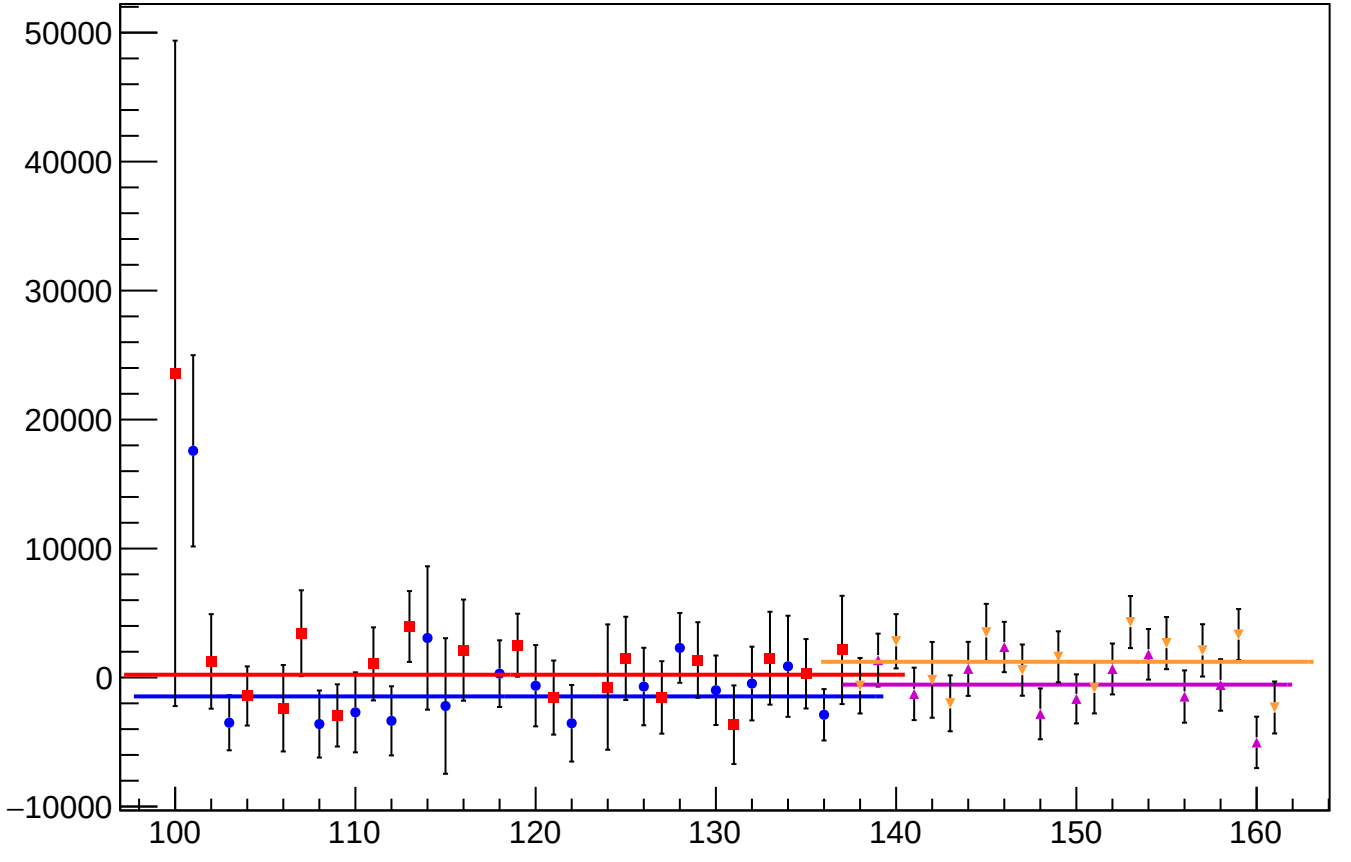
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3816.098+/-0.675 χ^2/NDF:1476419.8/26

Out: 3689.655+/-0.638 χ^2/NDF:1720383.5/31

All: 3749.267+/-0.464 χ^2/NDF: 3215322.9/58

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1220.559+/-579.653 χ^2/NDF:13.3/12

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -549.454+/-601.317 χ^2/NDF:12.3/10

Left: 368.010+/-417.325 χ^2/NDF: 30.0/23

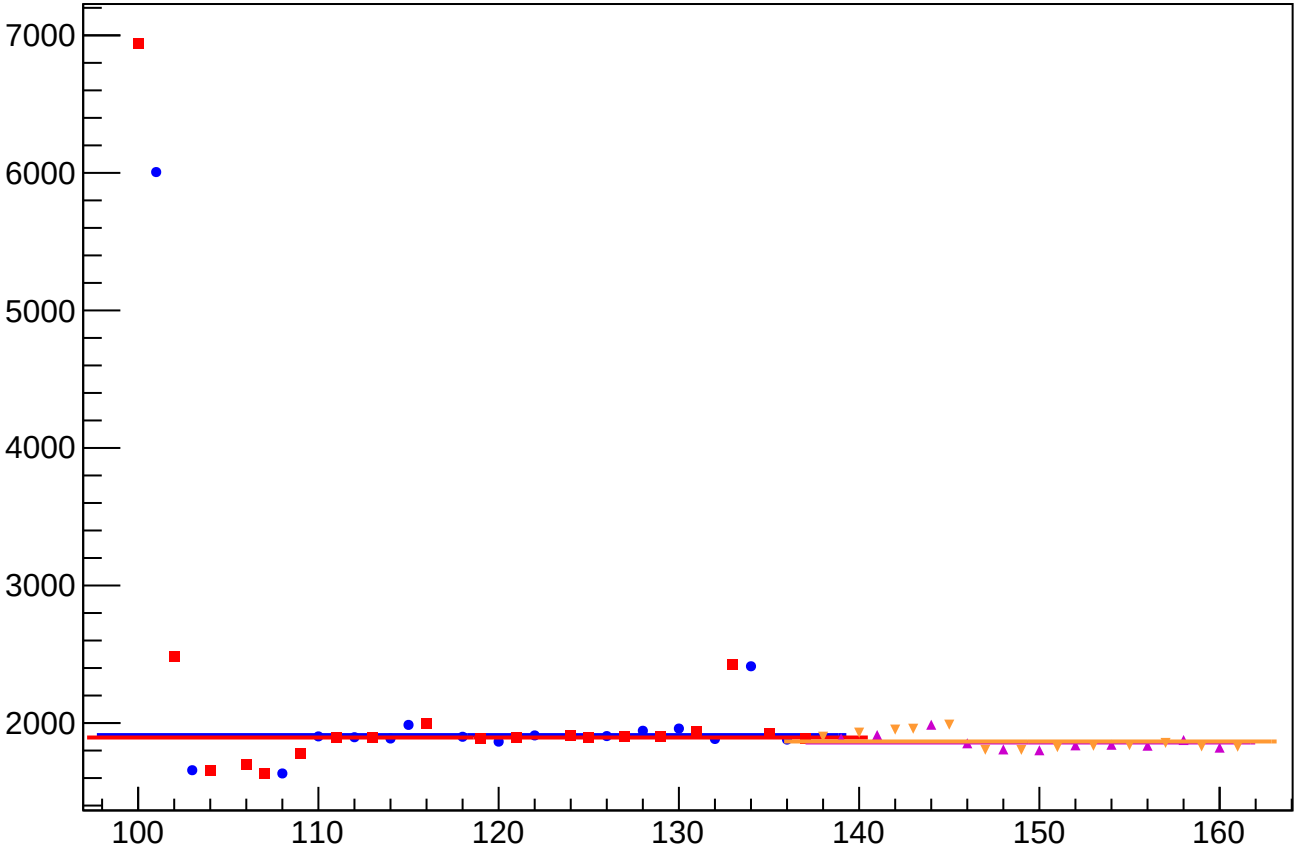
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -919.638+/-463.686 χ^2/NDF:26.8/26

Out: 819.497+/-448.725 χ^2/NDF:25.3/31

All: -21.561+/-322.456 χ^2/NDF: 59.3/58

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1865.922+/-0.410 χ^2/NDF:20771.1/12

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.3/10

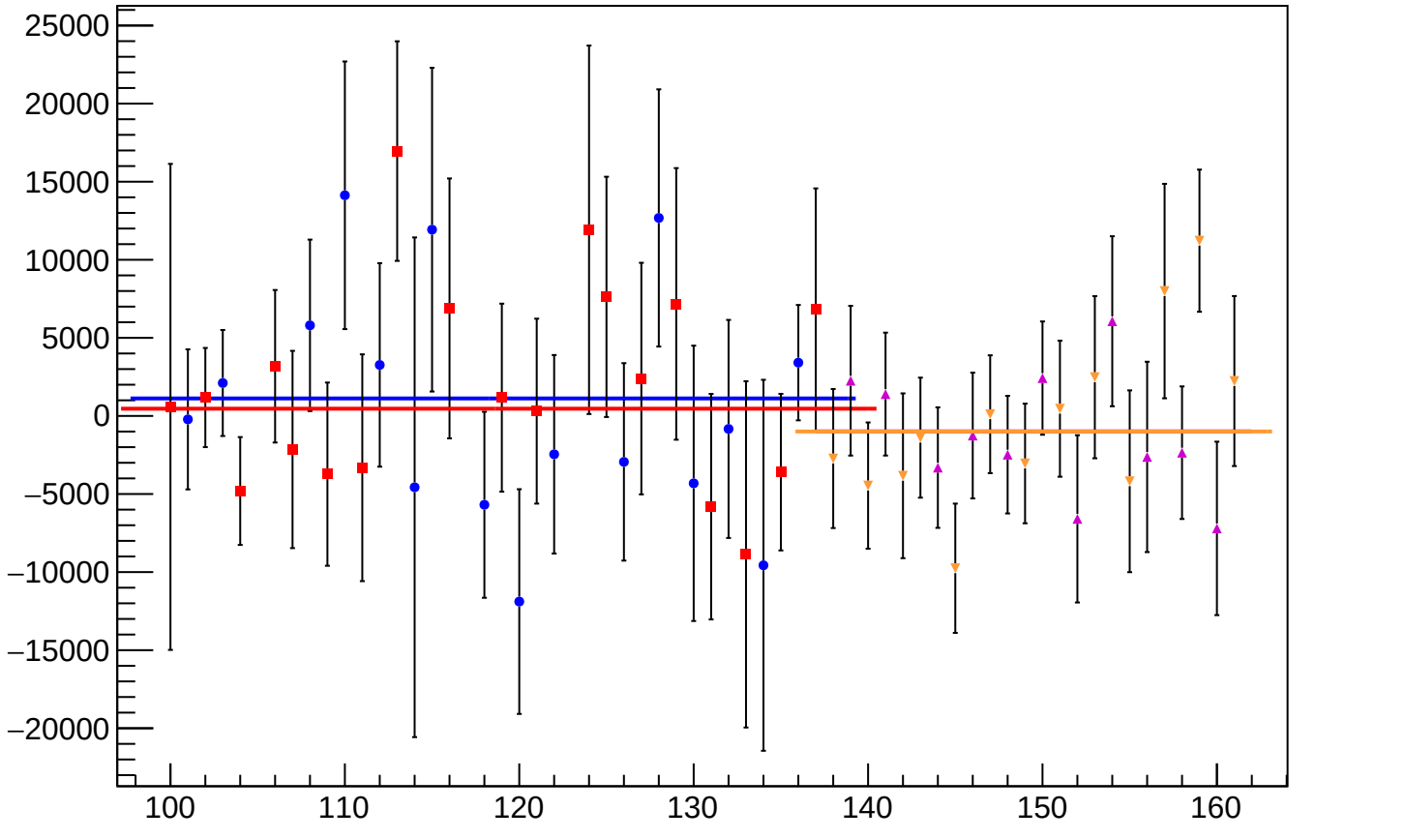
Left: 1862.350+/-0.295 χ^2/NDF: 34949.0/23

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1880.345+/-0.328 χ^2/NDF:716747.9/26

Out: 1877.495+/-0.317 χ^2/NDF:242539.5/31

All: 1878.872+/-0.228 χ^2/NDF: 959326.4/58



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -995.768+/-1255.380 χ^2/NDF:16.2/12

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -990.999+/-1328.130 χ^2/NDF:6.4/10

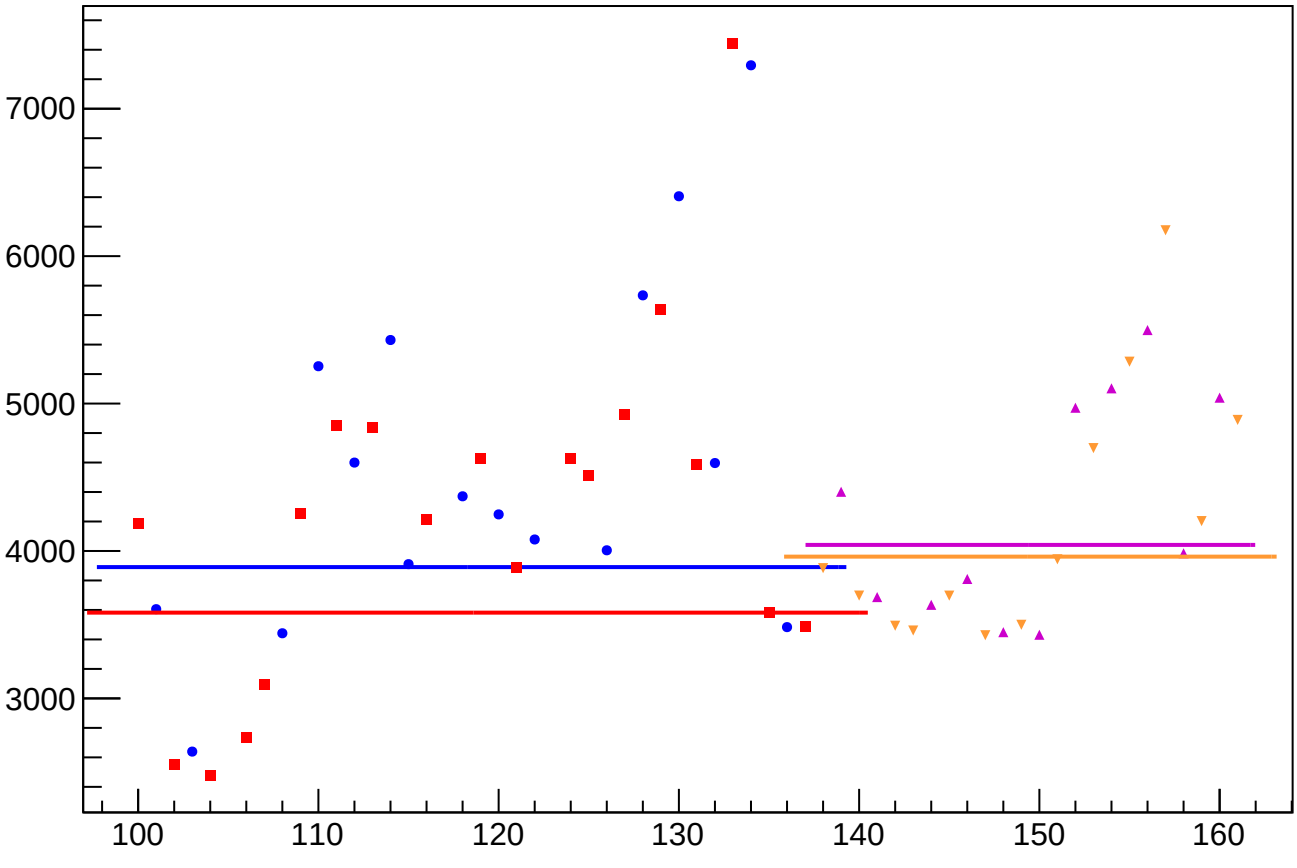
Left: -993.517+/-912.323 χ^2/NDF: 22.6/23

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: -61.623+/-993.688 χ^2/NDF:21.0/26

Out: -329.758+/-925.813 χ^2/NDF:31.8/31

All: -205.160+/-677.374 χ^2/NDF: 52.8/58



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3961.694+/-0.888 χ^2/NDF:551129.6/12

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4041.179+/-0.939 χ^2/NDF:478007.2/10

Left: 3999.200+/-0.645 χ^2/NDF: 1032920.0/23

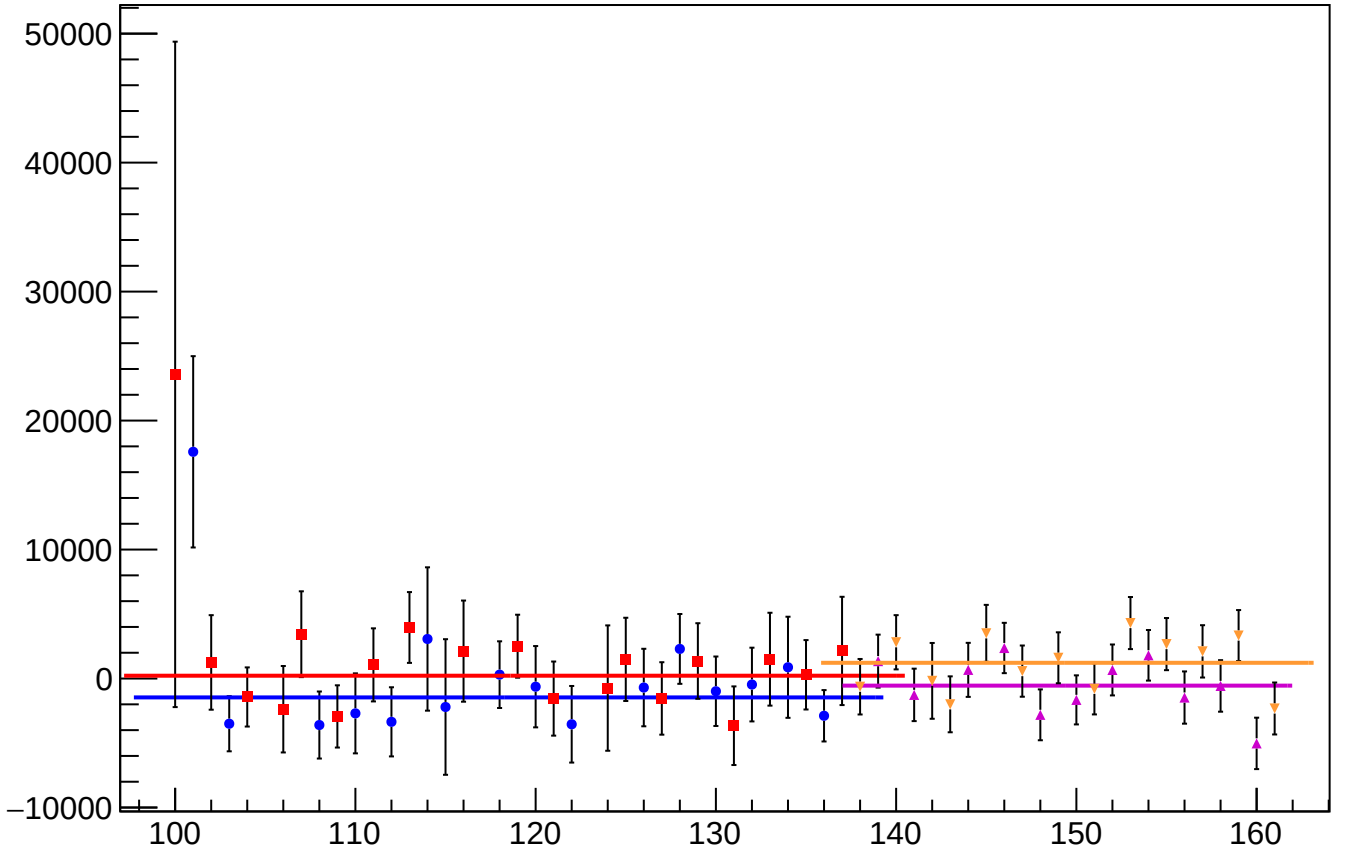
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3974.939+/-0.703 χ^2/NDF:1367726.6/26

Out: 3788.405+/-0.655 χ^2/NDF:1856533.1/31

All: 3875.084+/-0.479 χ^2/NDF: 3261987.3/58

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1220.568+/-579.653 χ^2/NDF:13.3/12

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -549.454+/-601.317 χ^2/NDF:12.3/10

Left: 368.015+/-417.325 χ^2/NDF: 30.0/23

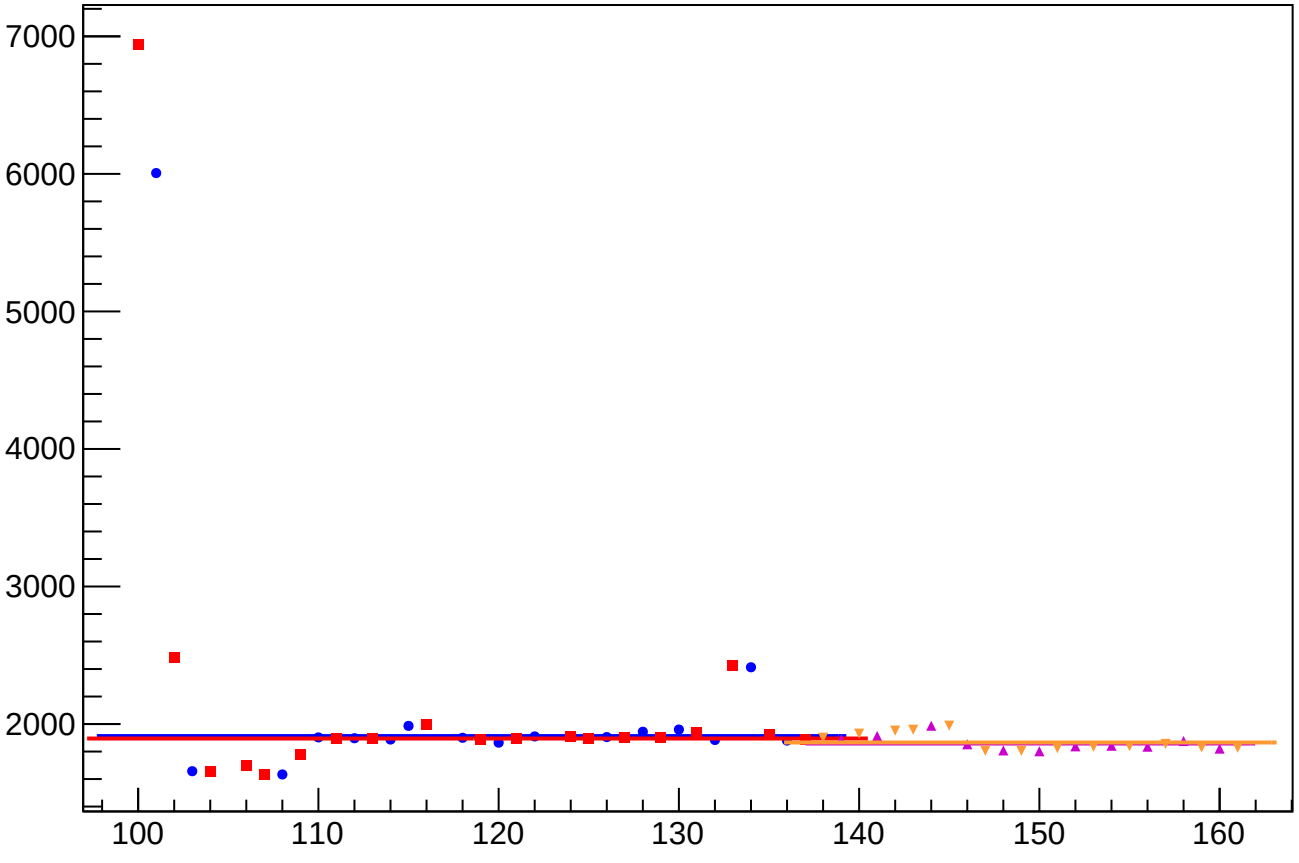
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -919.641+/-463.686 χ^2/NDF:26.8/26

Out: 819.500+/-448.725 χ^2/NDF:25.3/31

All: -21.560+/-322.456 χ^2/NDF: 59.3/58

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1865.922+/-0.410 χ^2/NDF:20771.1/12

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.2/10

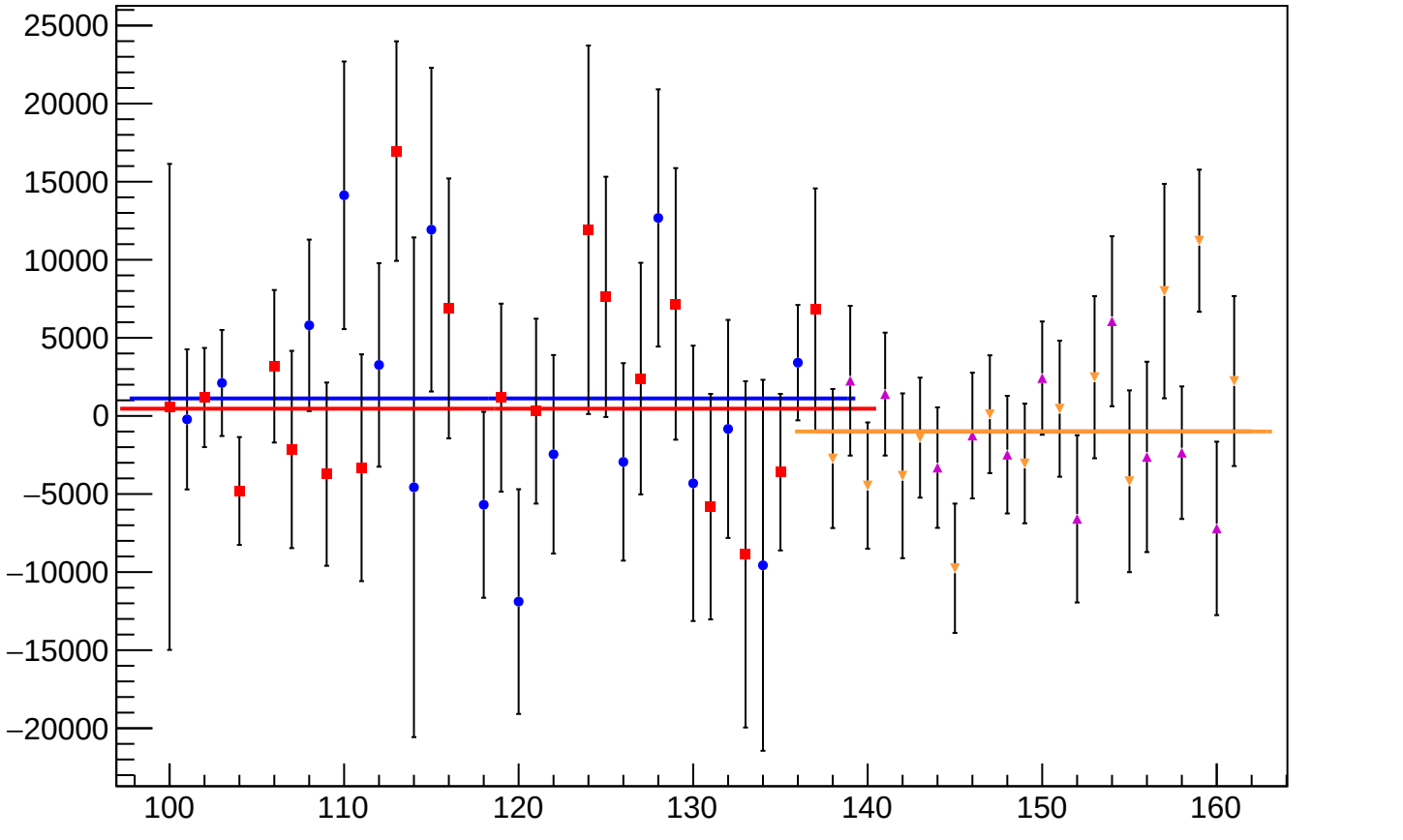
Left: 1862.351+/-0.295 χ^2/NDF: 34949.0/23

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1880.345+/-0.328 χ^2/NDF:716747.6/26

Out: 1877.495+/-0.317 χ^2/NDF:242539.4/31

All: 1878.873+/-0.228 χ^2/NDF: 959326.0/58



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -995.766+/-1255.382 χ^2/NDF:16.2/12

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -990.997+/-1328.132 χ^2/NDF:6.4/10

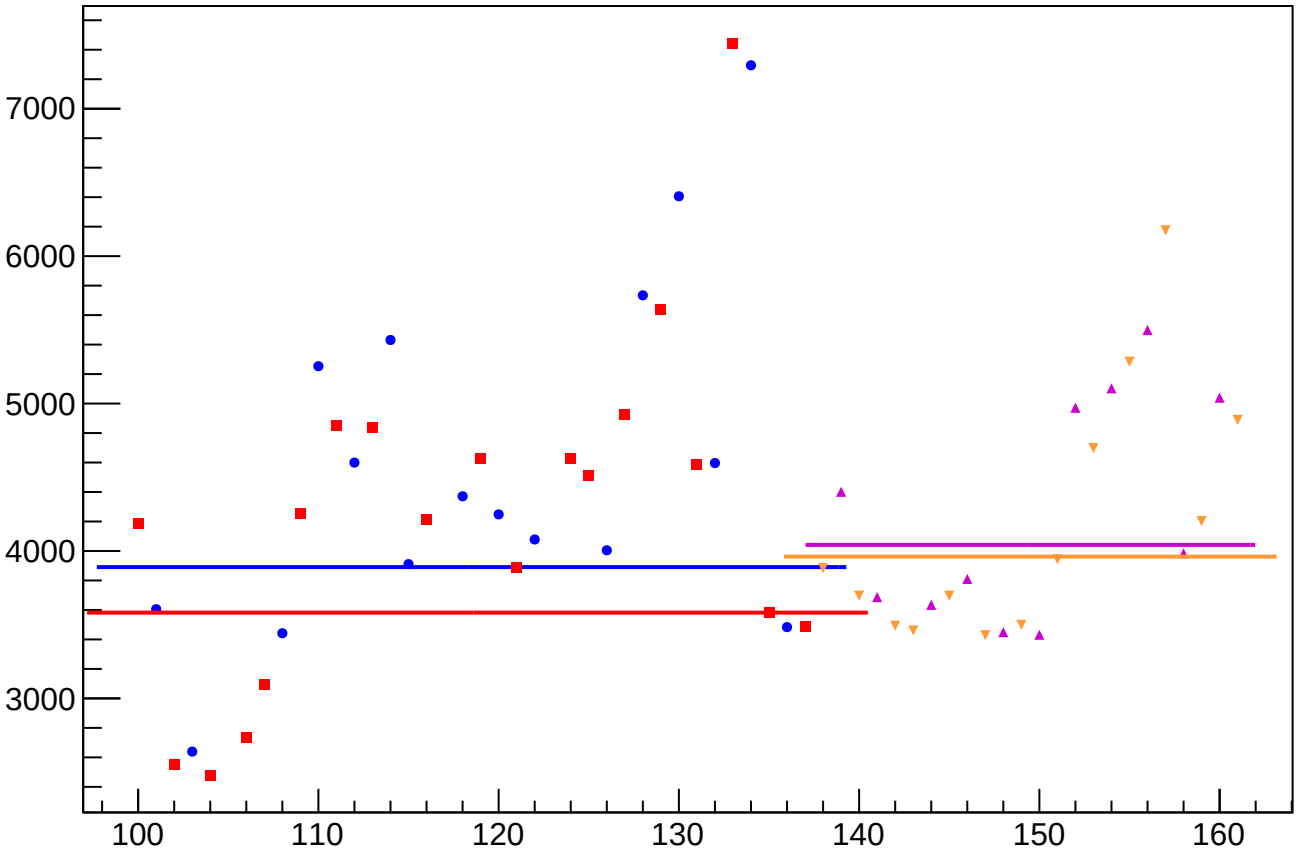
Left: -993.516+/-912.324 χ^2/NDF: 22.6/23

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: -61.626+/-993.688 χ^2/NDF:21.0/26

Out: -329.756+/-925.814 χ^2/NDF:31.8/31

All: -205.160+/-677.374 χ^2/NDF: 52.8/58



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3961.700+/-0.888 χ^2/NDF:551128.4/12

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4041.185+/-0.939 χ^2/NDF:478005.9/10

Left: 3999.206+/-0.645 χ^2/NDF: 1032917.5/23

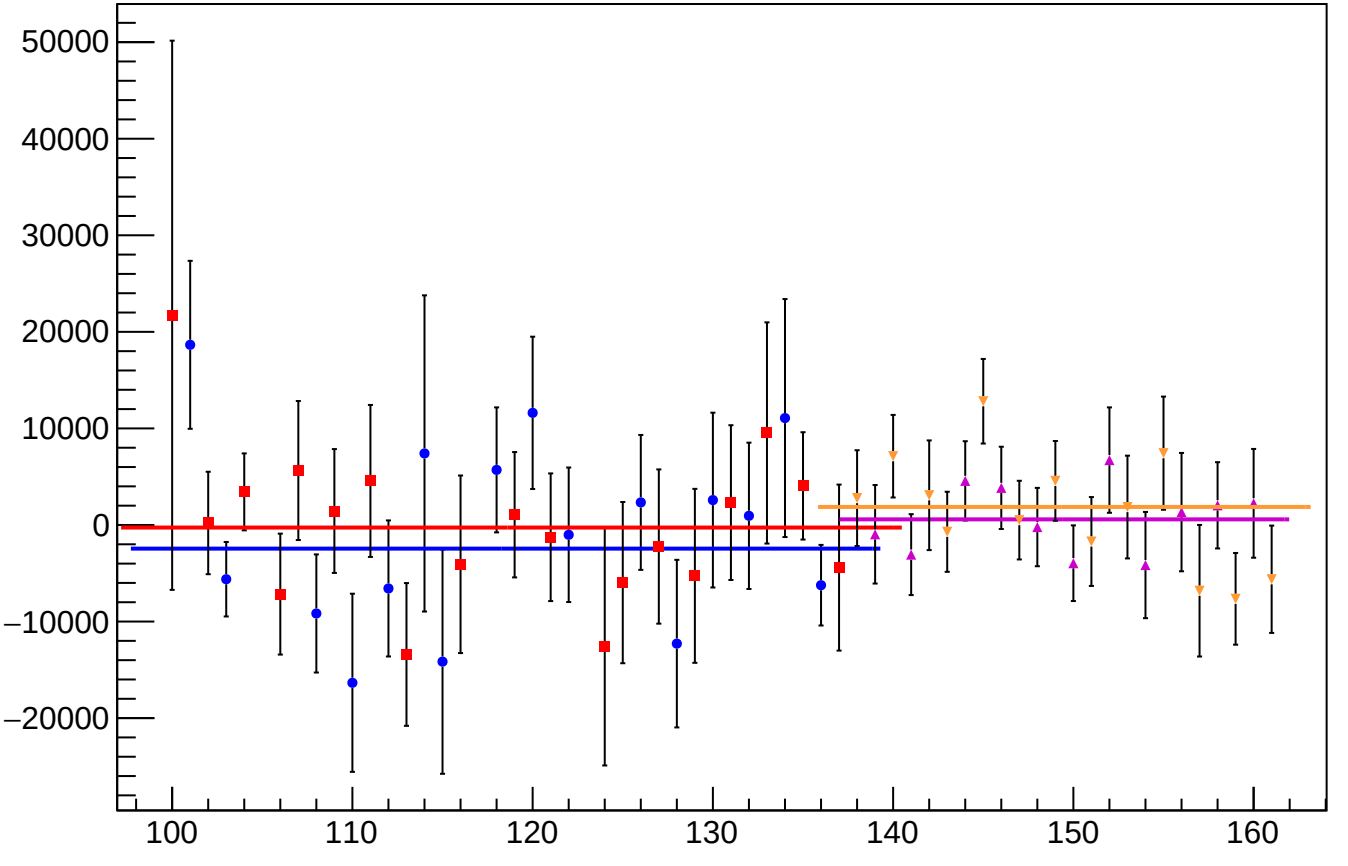
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3974.941+/-0.703 χ^2/NDF:1367717.5/26

Out: 3788.406+/-0.655 χ^2/NDF:1856527.1/31

All: 3875.086+/-0.479 χ^2/NDF: 3261972.3/58

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1868.964+/-1329.719 χ^2/NDF:17.7/12

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 581.061+/-1399.317 χ^2/NDF:6.0/10

Left: 1257.836+/-963.919 χ^2/NDF: 24.1/23

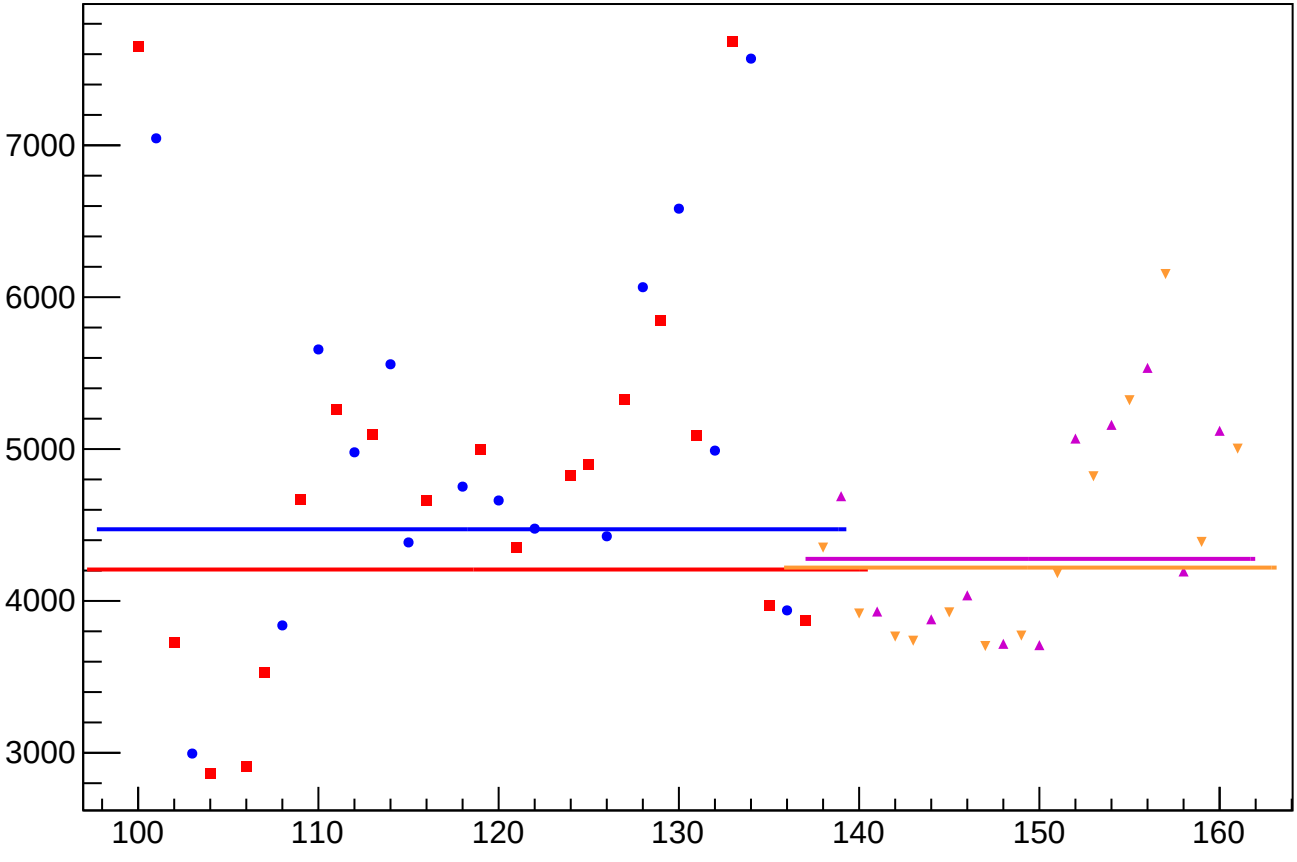
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -625.685+/-1085.391 χ^2/NDF:28.7/26

Out: 1011.244+/-1028.475 χ^2/NDF:29.5/31

All: 236.822+/-746.552 χ^2/NDF: 59.4/58

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4219.591+/-0.940 χ^2/NDF:415479.9/12

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4276.990+/-0.989 χ^2/NDF:355299.0/10

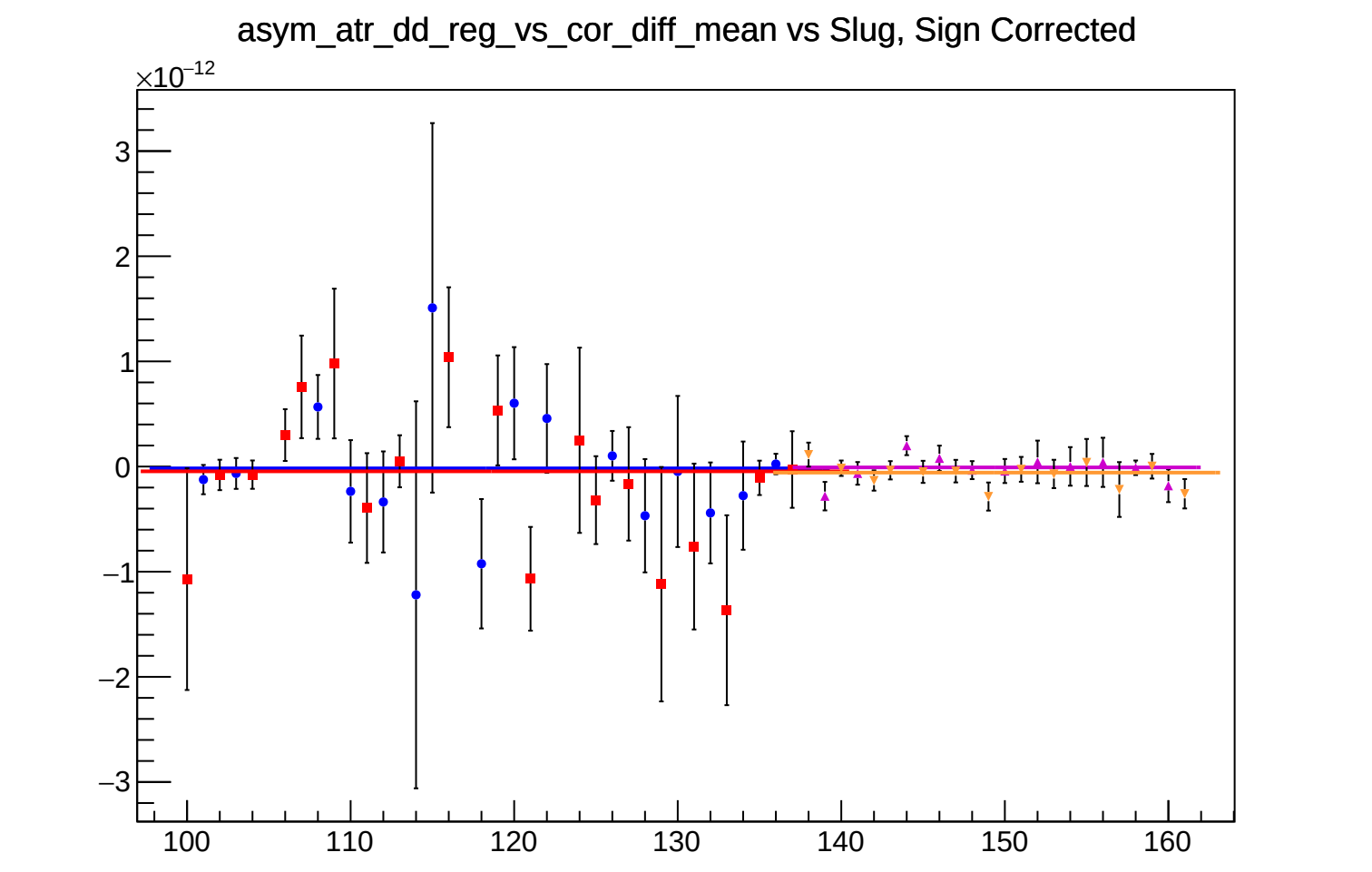
Left: 4246.827+/-0.682 χ^2/NDF: 772547.3/23

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4354.635+/-0.767 χ^2/NDF:1262435.6/26

Out: 4214.445+/-0.725 χ^2/NDF:1262079.0/31

All: 4280.537+/-0.527 χ^2/NDF: 2542149.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/10

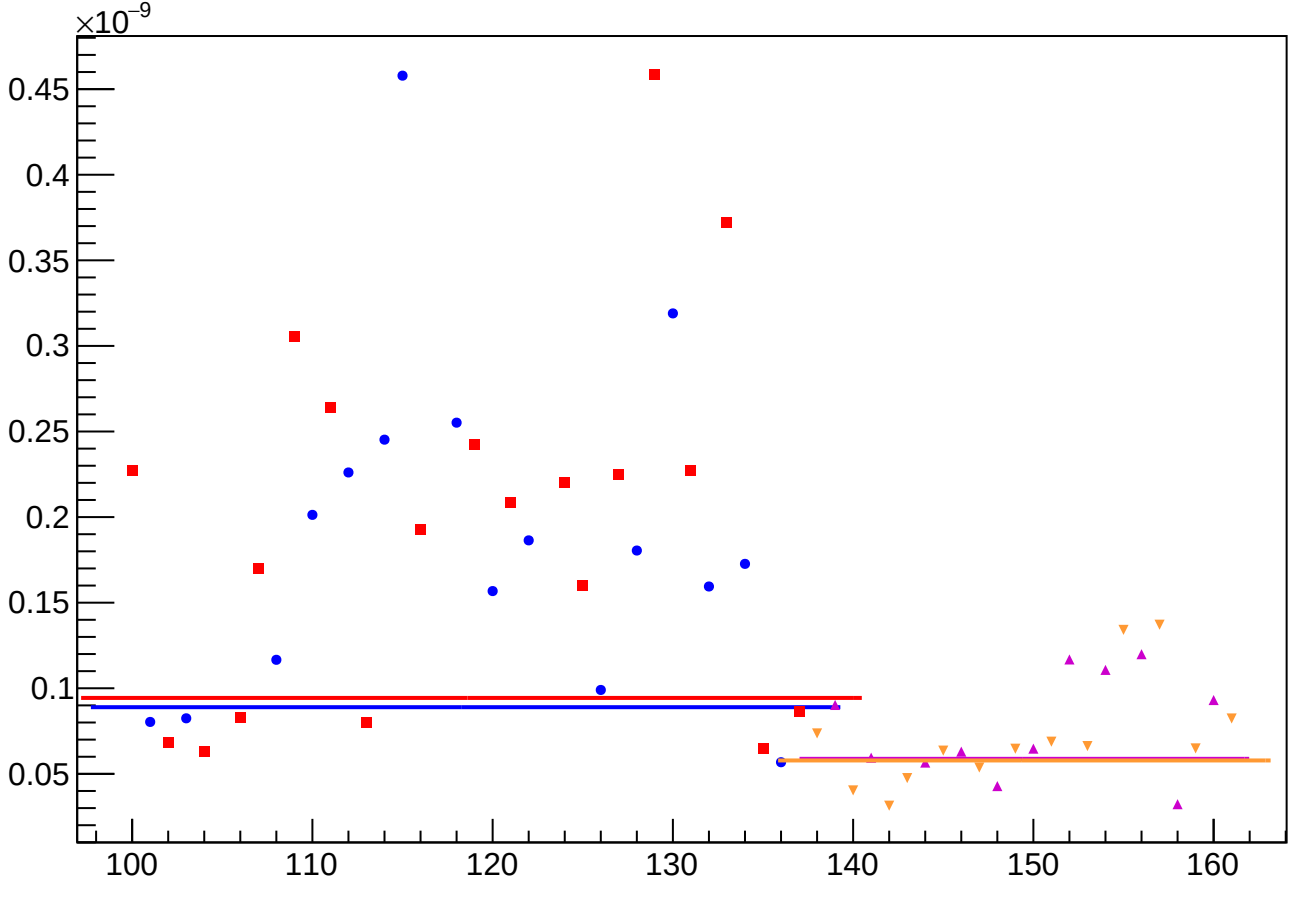
Left: -0.000+/-0.000 χ^2/NDF: 21.9/23

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:24.4/26

Out: -0.000+/-0.000 χ^2/NDF:30.4/31

All: -0.000+/-0.000 χ^2/NDF: 56.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:856875.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1039502.4/10

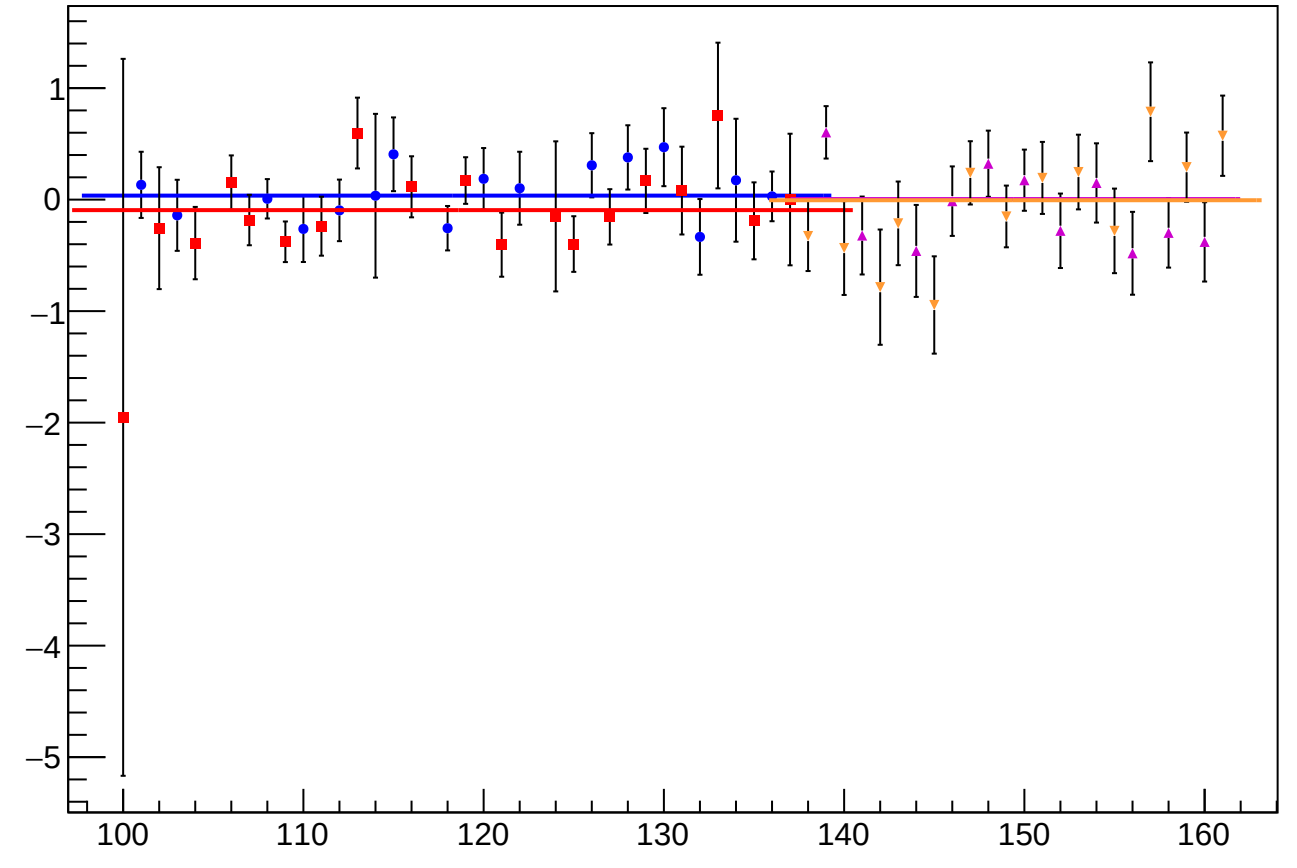
Left: 0.000+/-0.000 χ^2/NDF: 1897230.3/23

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2639001.6/26

Out: 0.000+/-0.000 χ^2/NDF:3027249.6/31

All: 0.000+/-0.000 χ^2/NDF: 5669428.8/58



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.096 χ^2/NDF:14.9/10

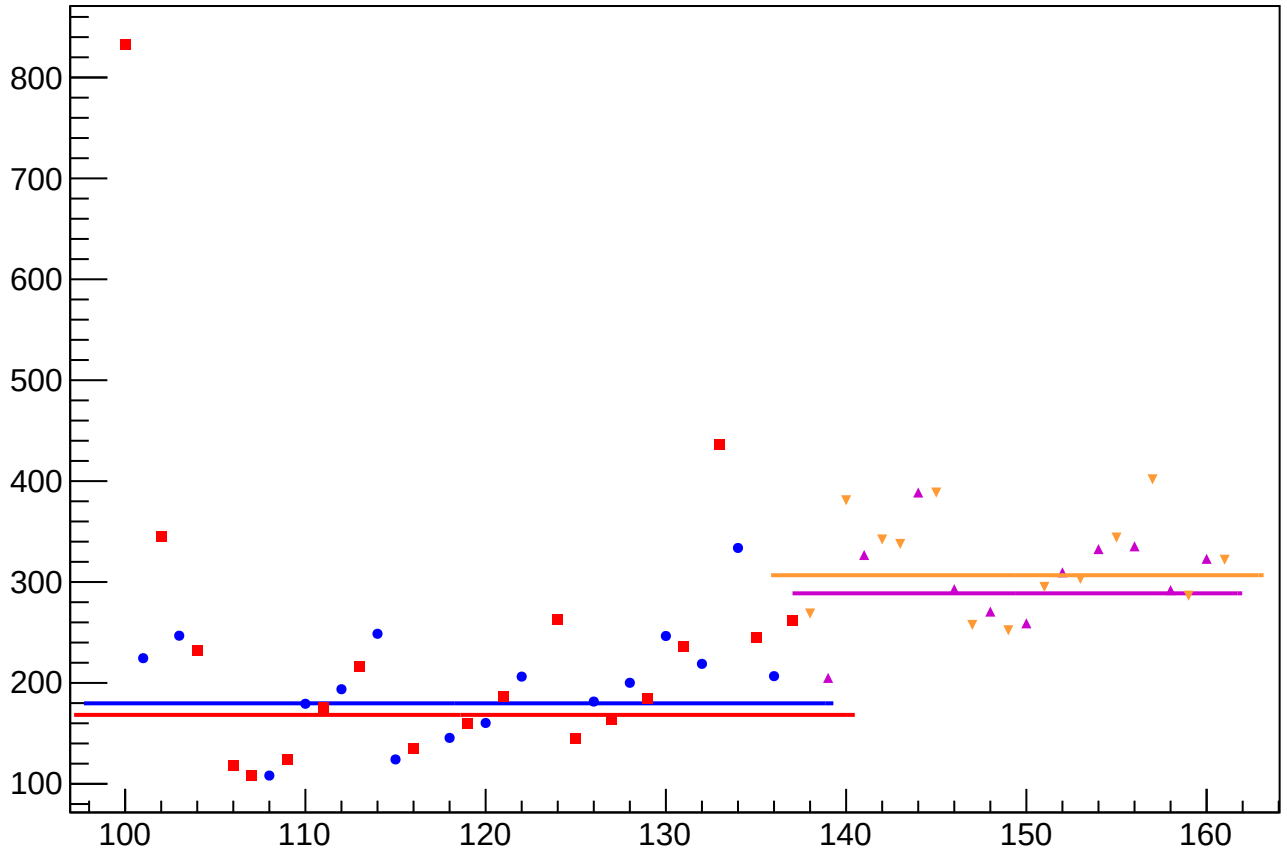
Left: -0.000+/-0.068 χ^2/NDF: 33.4/23

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.065+/-0.056 χ^2/NDF:36.7/31

All: -0.021+/-0.040 χ^2/NDF: 63.4/58



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.745+/-0.069 χ^2/NDF:449491.9/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

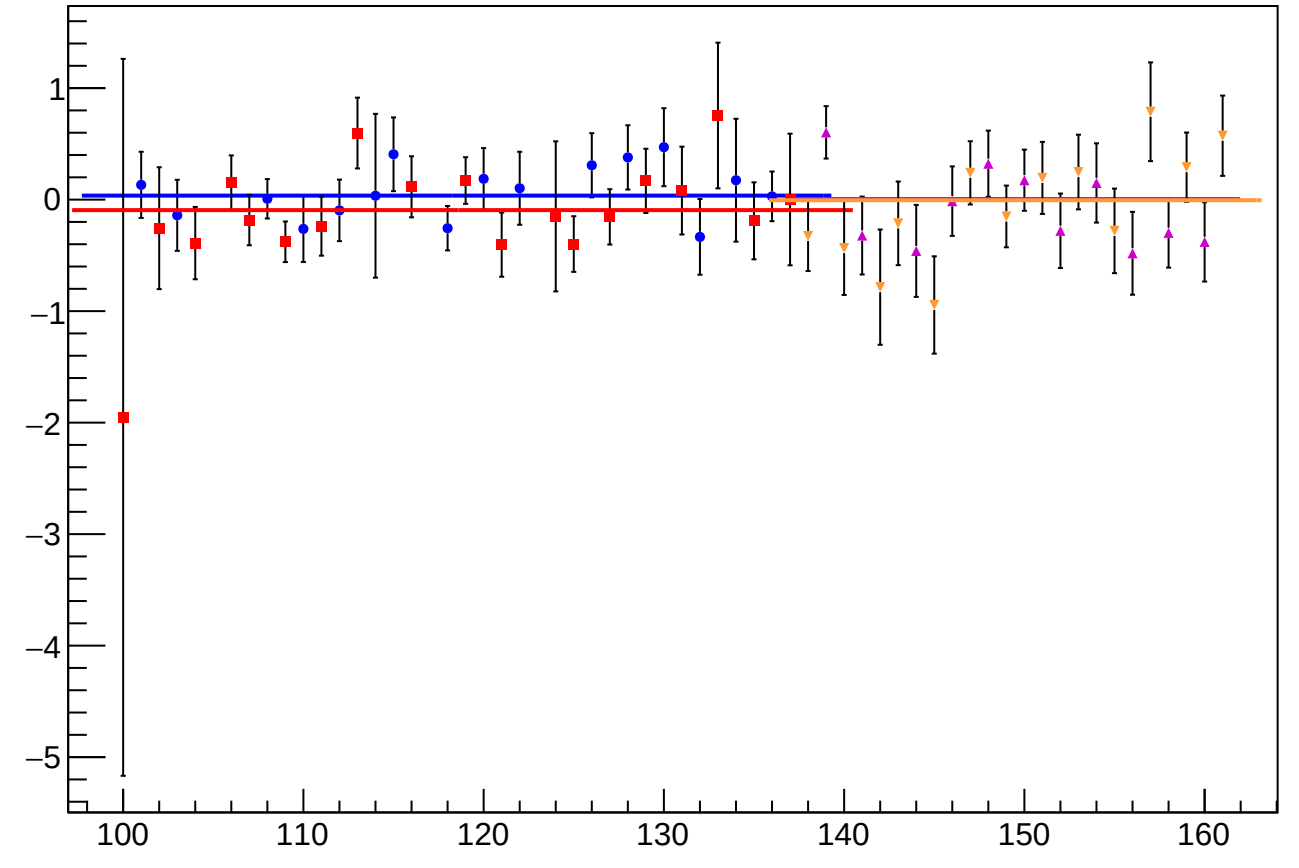
Left: 297.630+/-0.048 χ^2/NDF: 998902.6/23

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.249+/-0.040 χ^2/NDF:3116092.3/26

Out: 213.534+/-0.039 χ^2/NDF:4594126.5/31

All: 215.838+/-0.028 χ^2/NDF: 7717270.1/58



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.096 χ^2/NDF:14.9/10

Left: -0.000+/-0.068 χ^2/NDF: 33.4/23

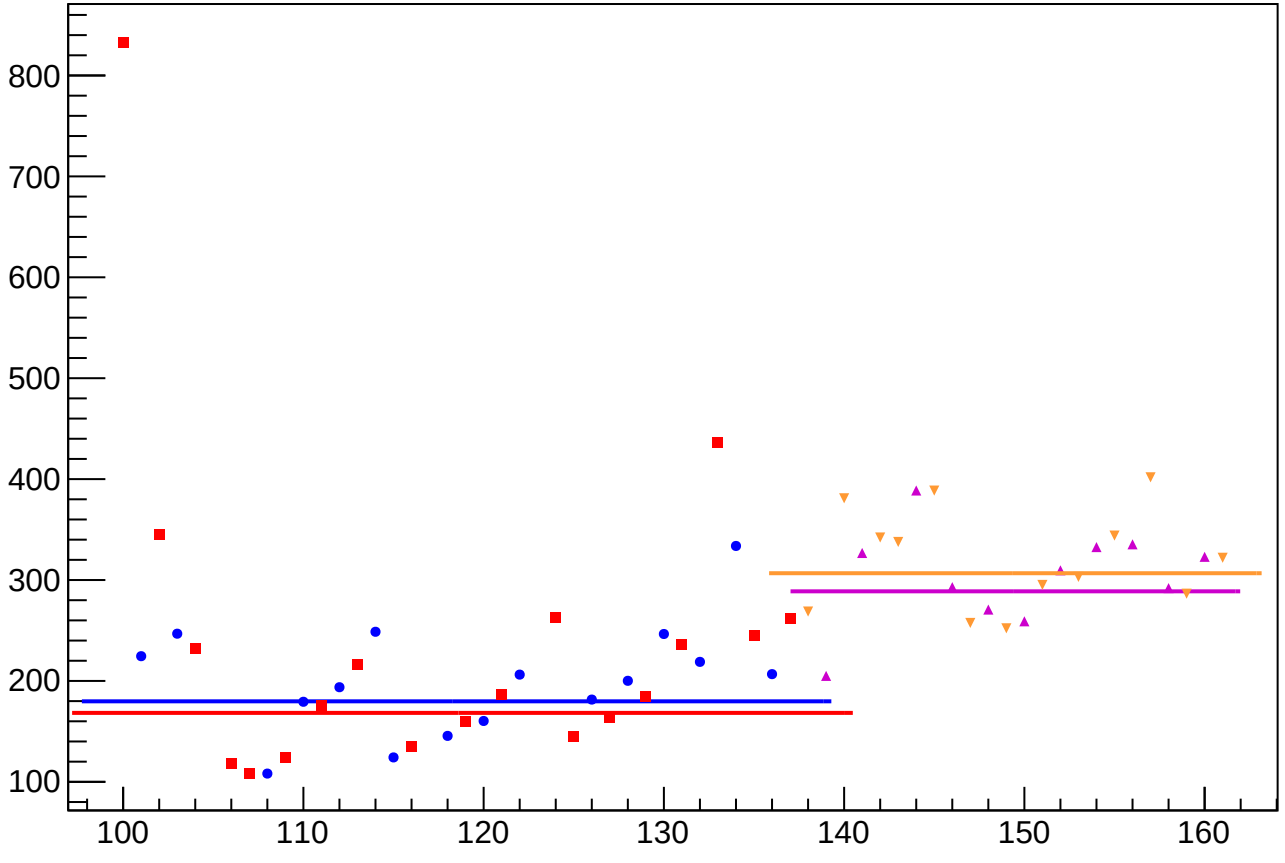
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.065+/-0.056 χ^2/NDF:36.7/31

All: -0.021+/-0.040 χ^2/NDF: 63.4/58

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: 306.745+/-0.069 χ^2/NDF:449491.9/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

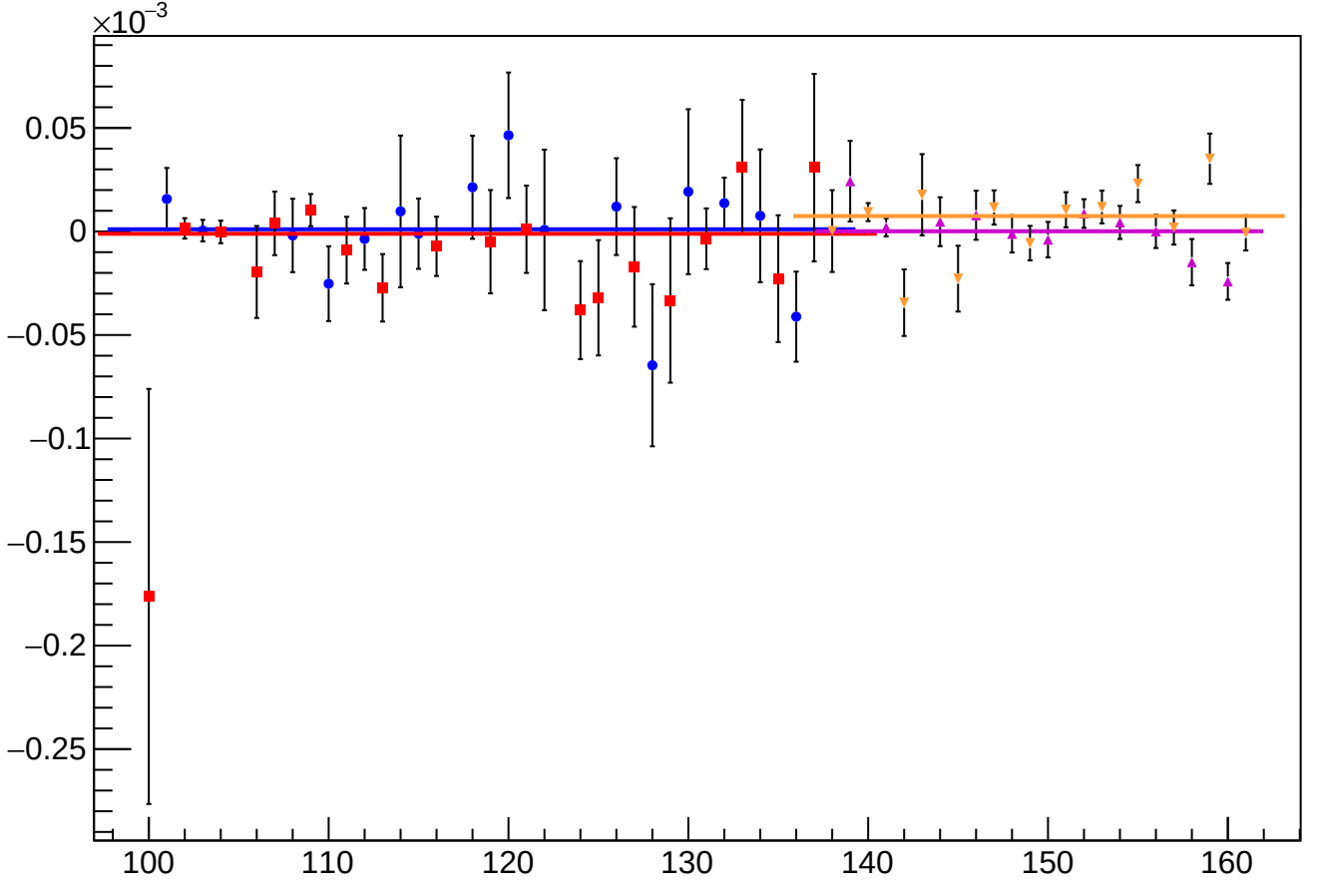
Left: 297.630+/-0.048 χ^2/NDF: 998902.6/23

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.249+/-0.040 χ^2/NDF:3116092.3/26

Out: 213.534+/-0.039 χ^2/NDF:4594126.5/31

All: 215.838+/-0.028 χ^2/NDF: 7717270.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/10

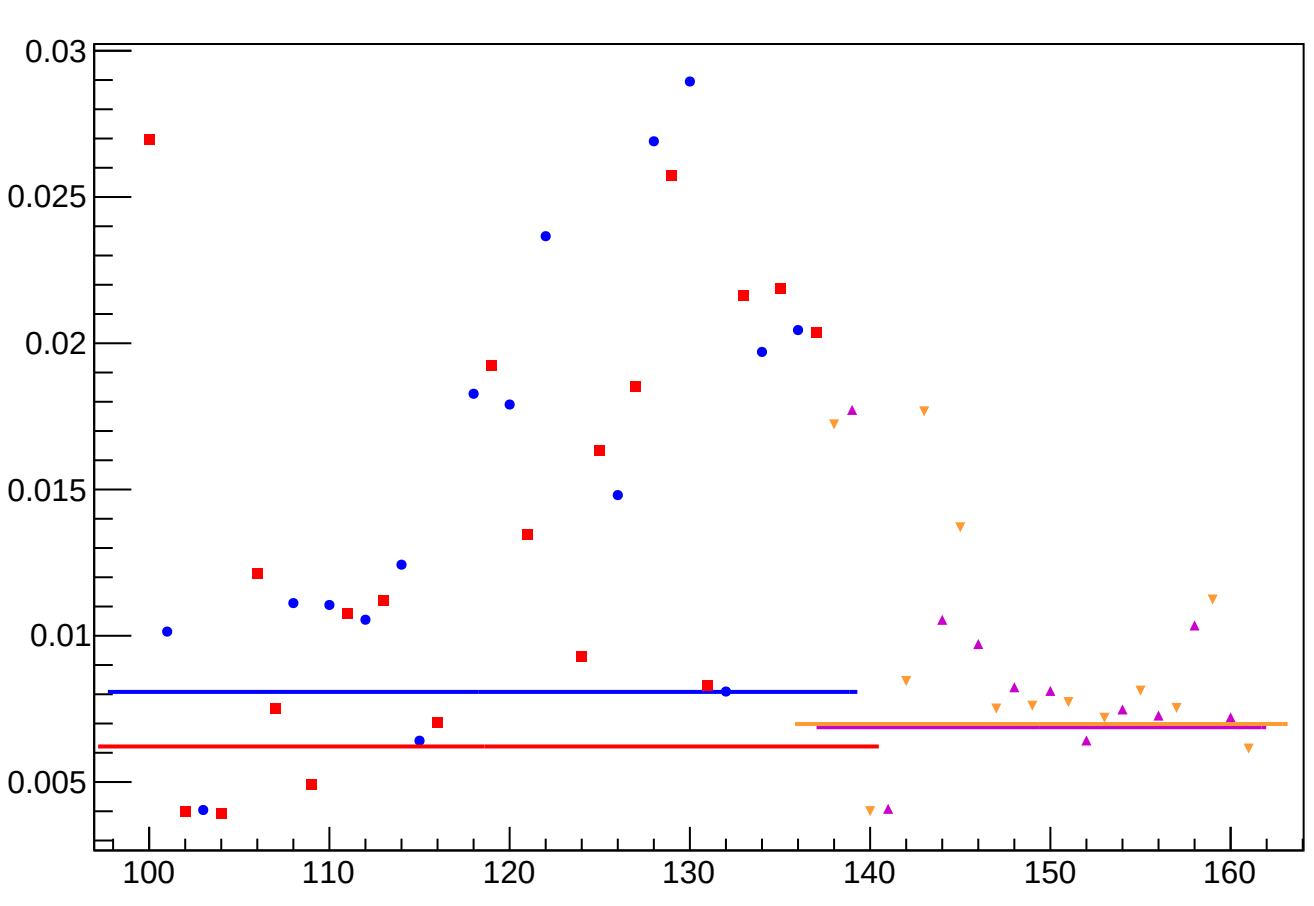
Left: 0.000+/-0.000 χ^2/NDF: 42.0/23

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:27.9/26

Out: 0.000+/-0.000 χ^2/NDF:45.1/31

All: 0.000+/-0.000 χ^2/NDF: 74.6/58



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2780169.4/12

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:2060481.8/10

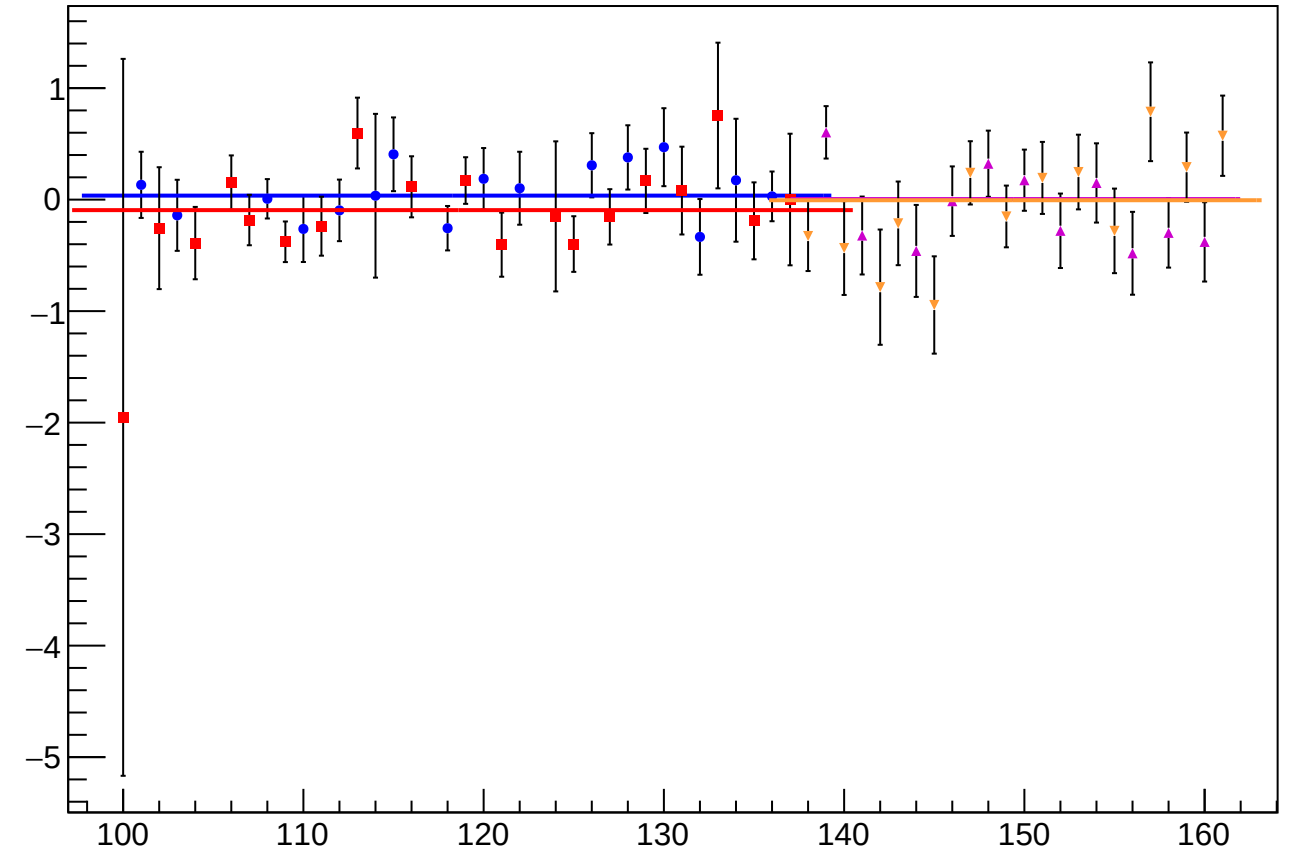
Left: 0.007+/-0.000 χ^2/NDF: 4842697.5/23

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6621733.6/26

Out: 0.007+/-0.000 χ^2/NDF:7427066.6/31

All: 0.007+/-0.000 χ^2/NDF: 14138023.3/58



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.096 χ^2/NDF:14.9/10

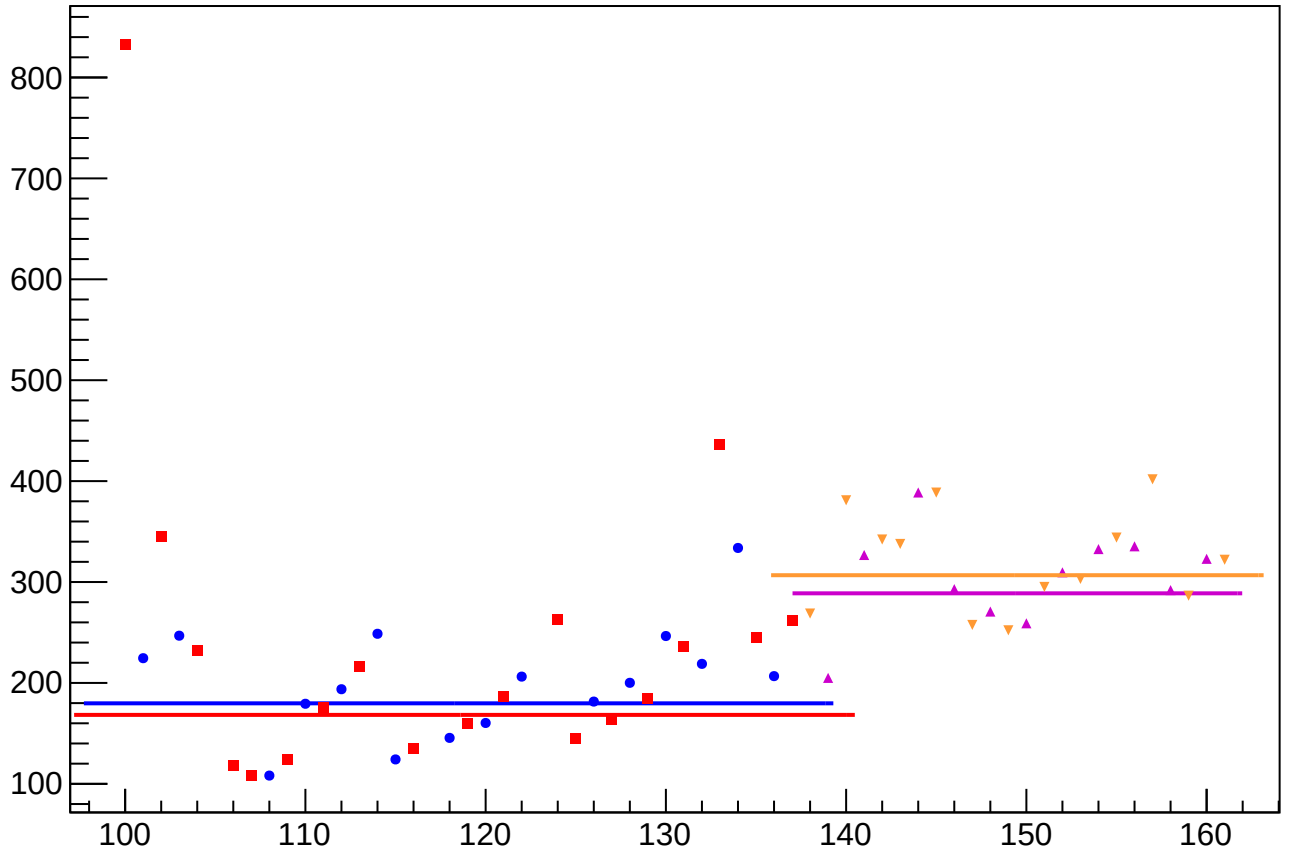
Left: -0.000+/-0.068 χ^2/NDF: 33.4/23

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.065+/-0.056 χ^2/NDF:36.7/31

All: -0.021+/-0.040 χ^2/NDF: 63.5/58



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.750+/-0.069 χ^2/NDF:449467.3/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

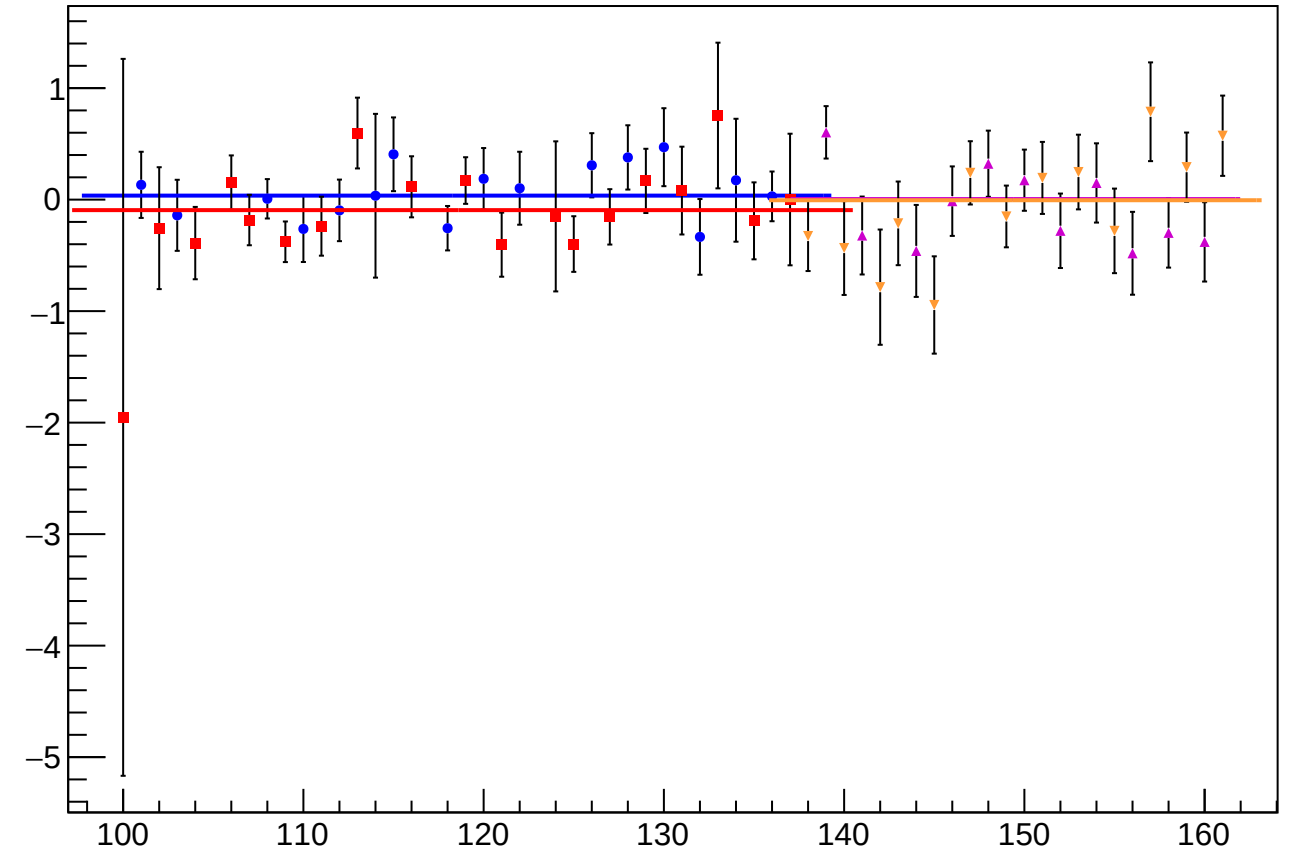
Left: 297.634+/-0.048 χ^2/NDF: 998848.2/23

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.247+/-0.040 χ^2/NDF:3116299.8/26

Out: 213.535+/-0.039 χ^2/NDF:4594231.4/31

All: 215.837+/-0.028 χ^2/NDF: 7717576.7/58



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.096 χ^2/NDF:14.9/10

Left: -0.000+/-0.068 χ^2/NDF: 33.4/23

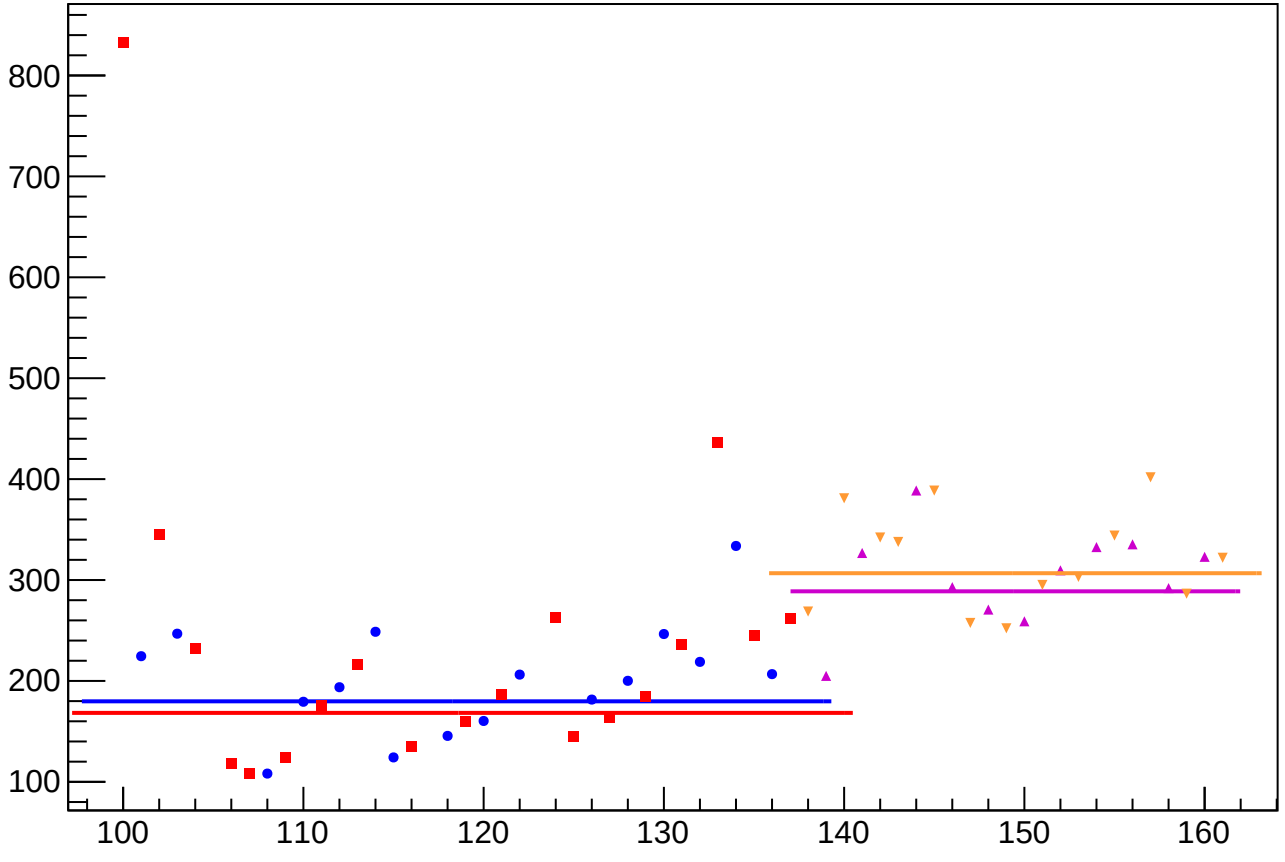
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.025+/-0.057 χ^2/NDF:25.5/26

Out: -0.065+/-0.056 χ^2/NDF:36.7/31

All: -0.021+/-0.040 χ^2/NDF: 63.5/58

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.750+/-0.069 χ^2/NDF:449467.3/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

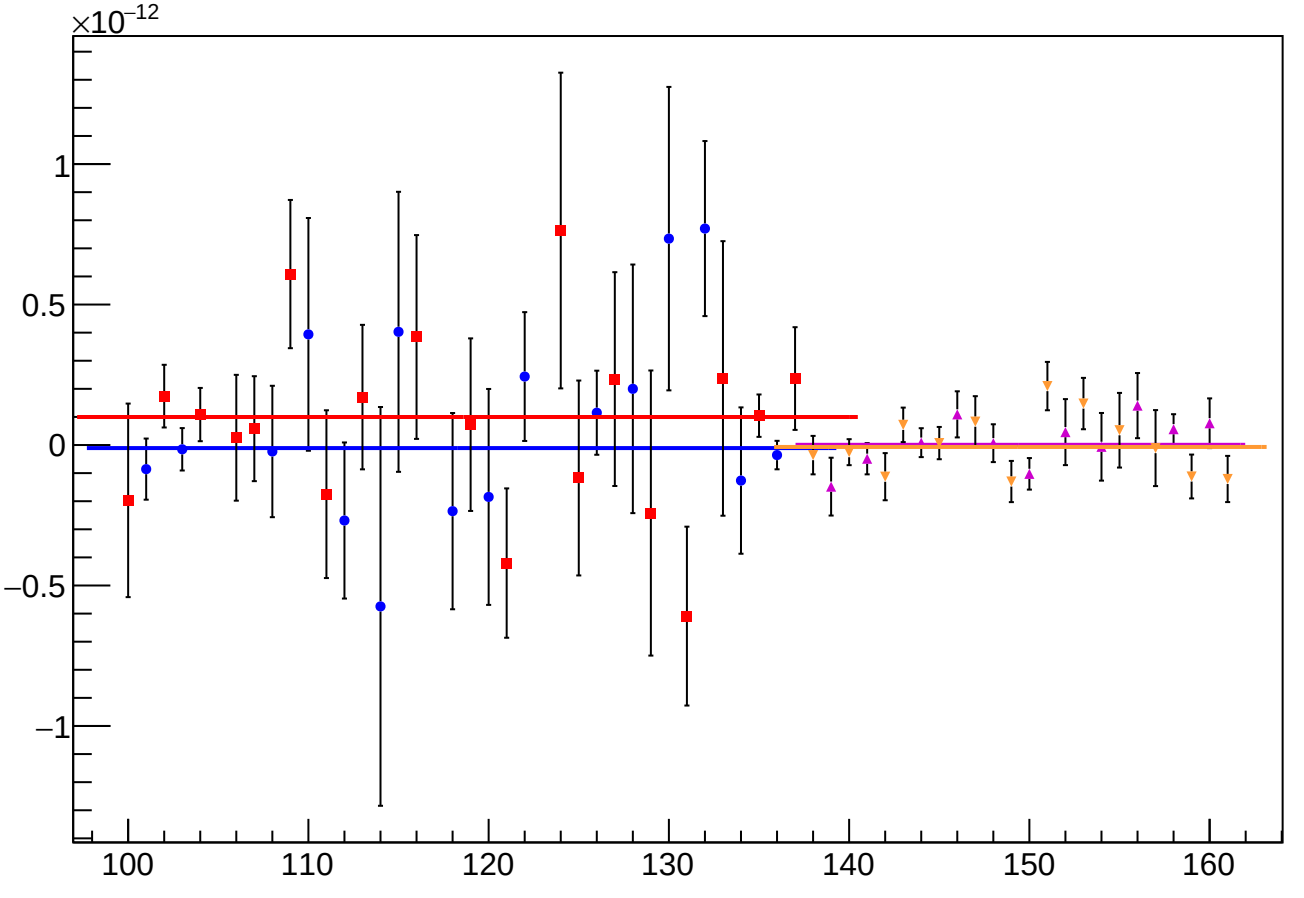
Left: 297.634+/-0.048 χ^2/NDF: 998848.2/23

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.247+/-0.040 χ^2/NDF:3116299.8/26

Out: 213.535+/-0.039 χ^2/NDF:4594231.4/31

All: 215.837+/-0.028 χ^2/NDF: 7717576.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/10

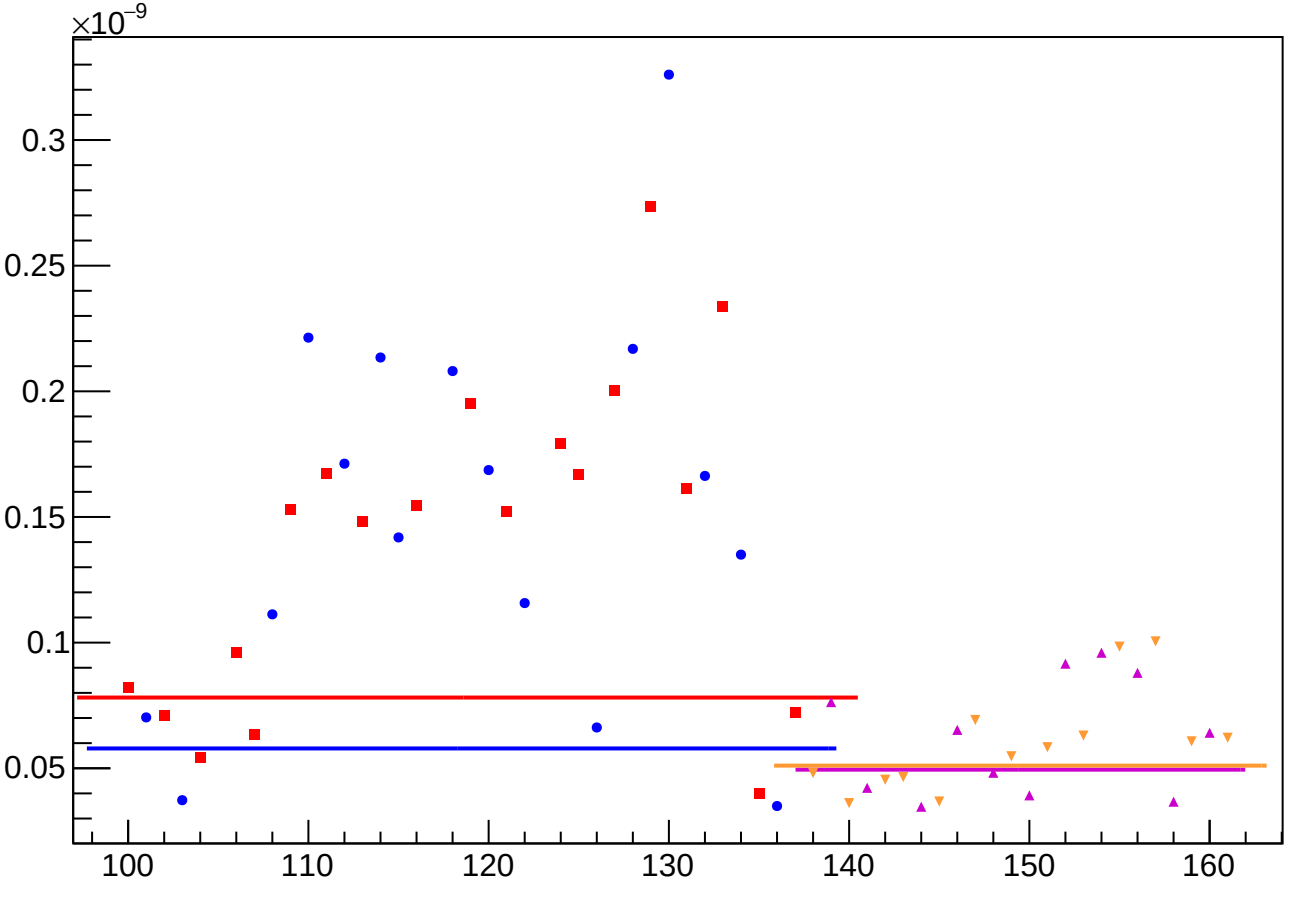
Left: -0.000+/-0.000 χ^2/NDF: 32.1/23

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:26.6/26

Out: 0.000+/-0.000 χ^2/NDF:44.1/31

All: 0.000+/-0.000 χ^2/NDF: 71.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1077873.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1422644.6/10

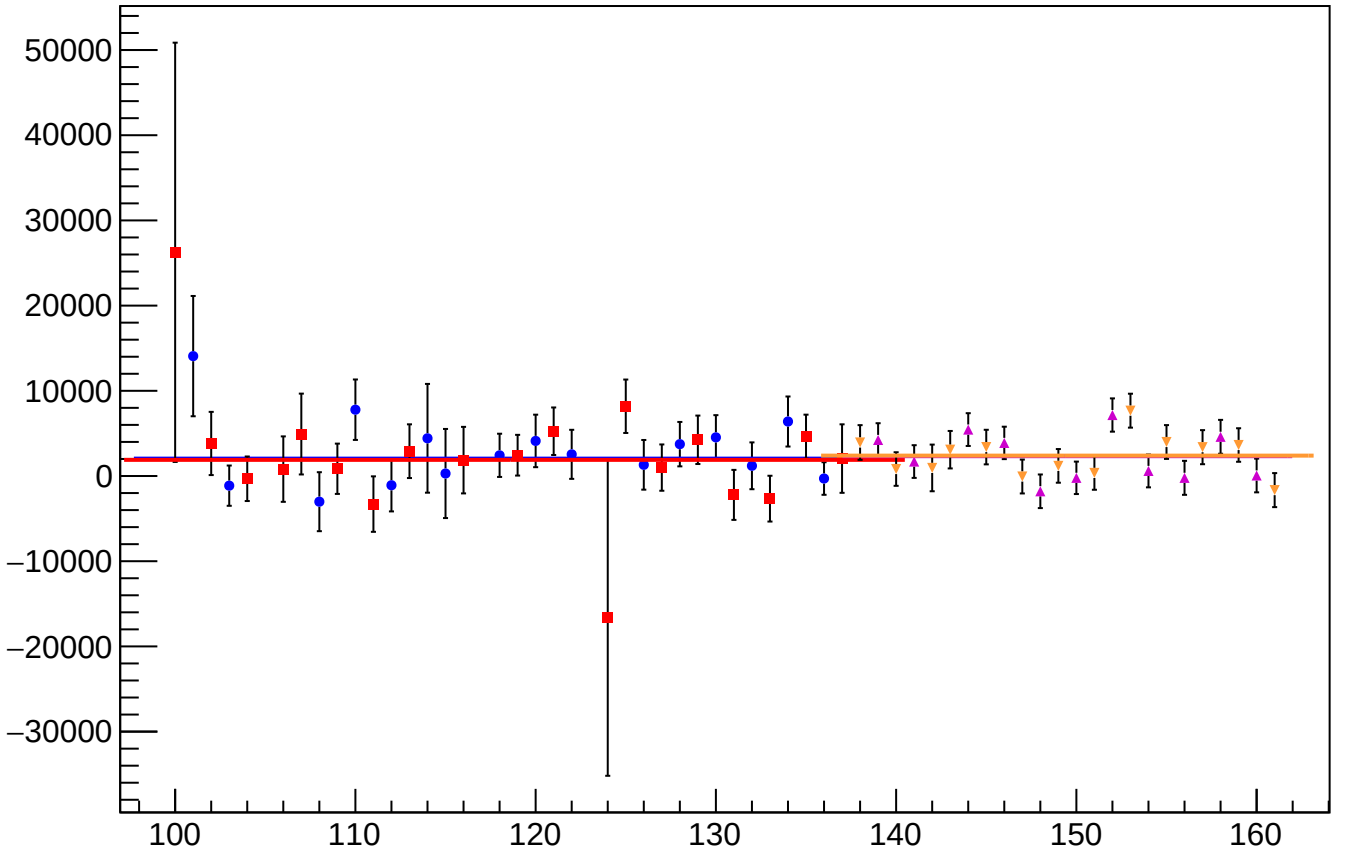
Left: 0.000+/-0.000 χ^2/NDF: 2506362.6/23

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4829282.6/26

Out: 0.000+/-0.000 χ^2/NDF:4478987.9/31

All: 0.000+/-0.000 χ^2/NDF: 9368778.3/58



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.378+/-566.877 χ^2/NDF:17.2/12

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2326.646+/-587.131 χ^2/NDF:21.7/10

Left: 2361.183+/-407.815 χ^2/NDF: 38.9/23

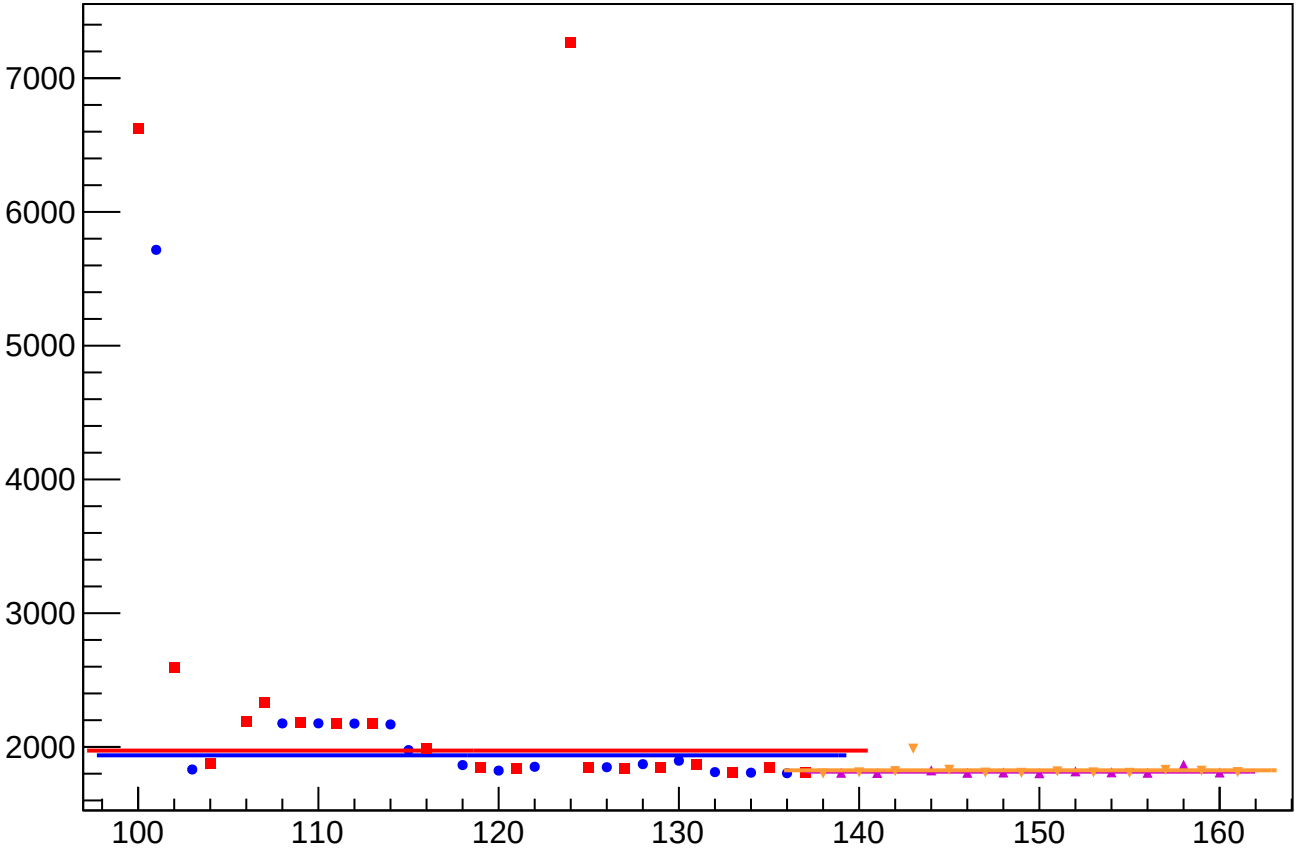
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2214.904+/-459.031 χ^2/NDF:38.2/26

Out: 2208.141+/-449.280 χ^2/NDF:36.0/31

All: 2211.450+/-321.081 χ^2/NDF: 74.2/58

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

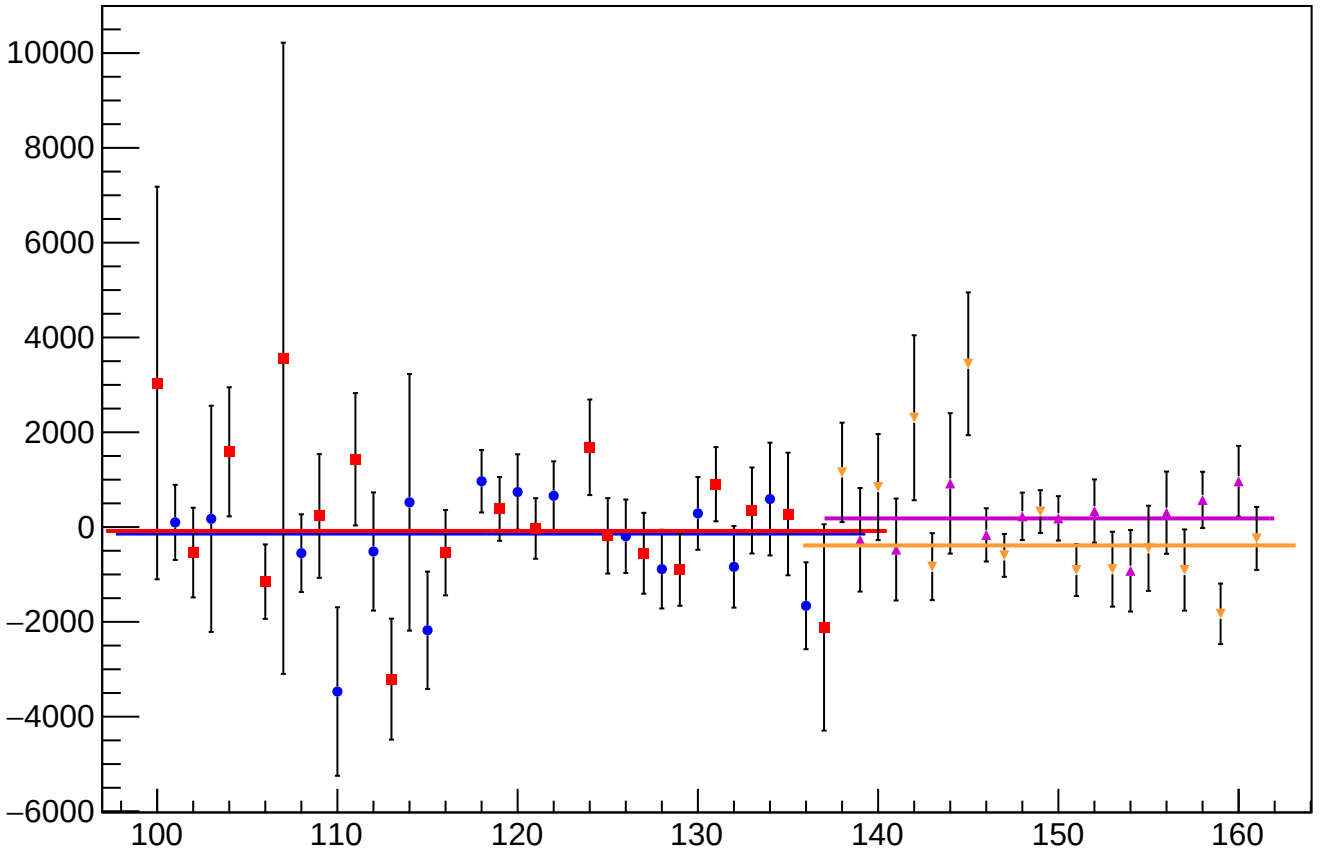
Left: 1820.408+/-0.288 χ^2/NDF: 14023.2/23

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1880.078+/-0.318 χ^2/NDF:439947.4/31

All: 1871.567+/-0.227 χ^2/NDF: 1114776.5/58



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -386.941+/-194.197 χ^2/NDF:22.2/12

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 182.882+/-206.583 χ^2/NDF:4.4/10

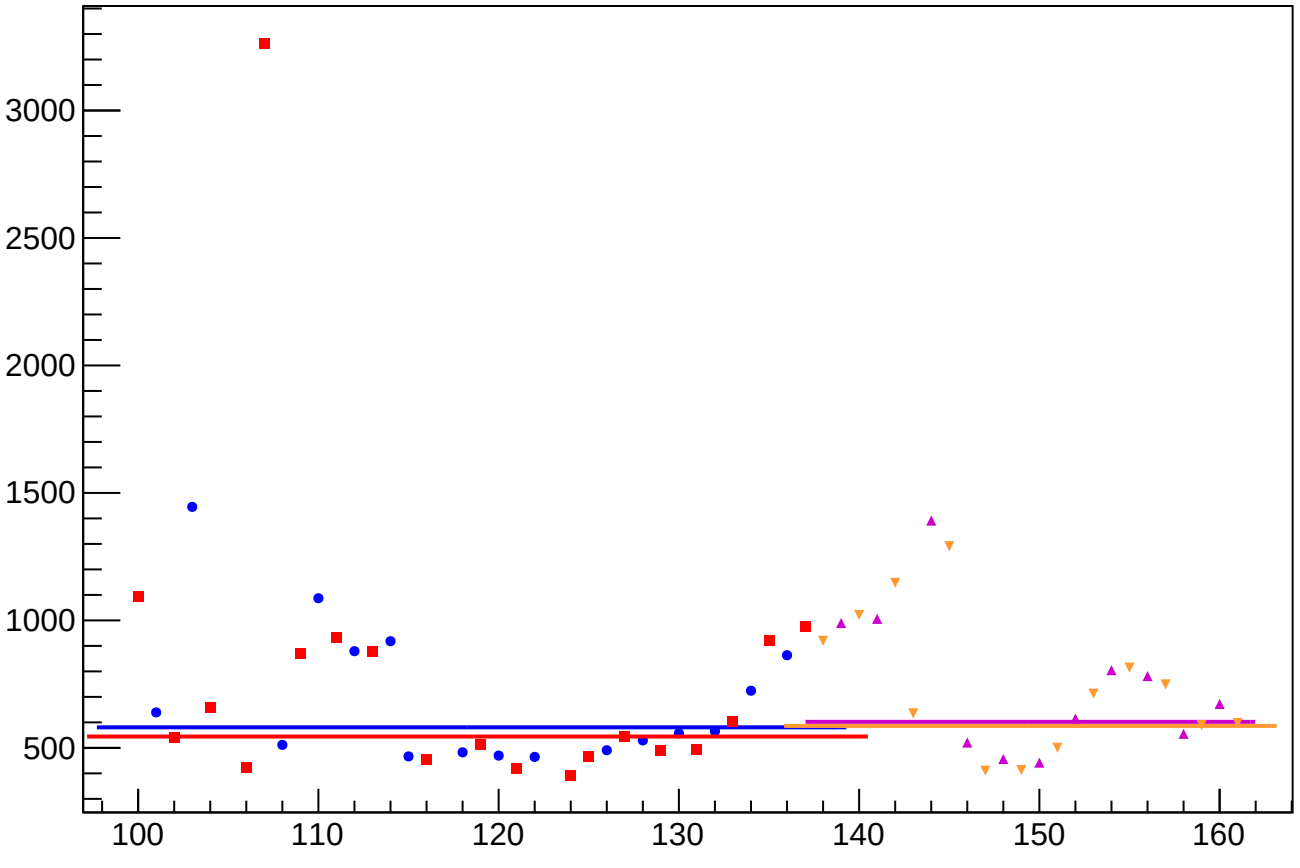
Left: -119.623+/-141.494 χ^2/NDF: 30.7/23

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 40.504+/-153.819 χ^2/NDF:22.4/26

Out: -254.891+/-146.171 χ^2/NDF:43.0/31

All: -114.720+/-105.959 χ^2/NDF: 67.3/58



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 586.060+/-0.137 χ^2/NDF:2058553.0/12

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 602.101+/-0.146 χ^2/NDF:1774190.1/10

Left: 593.585+/-0.100 χ^2/NDF: 3839145.1/23

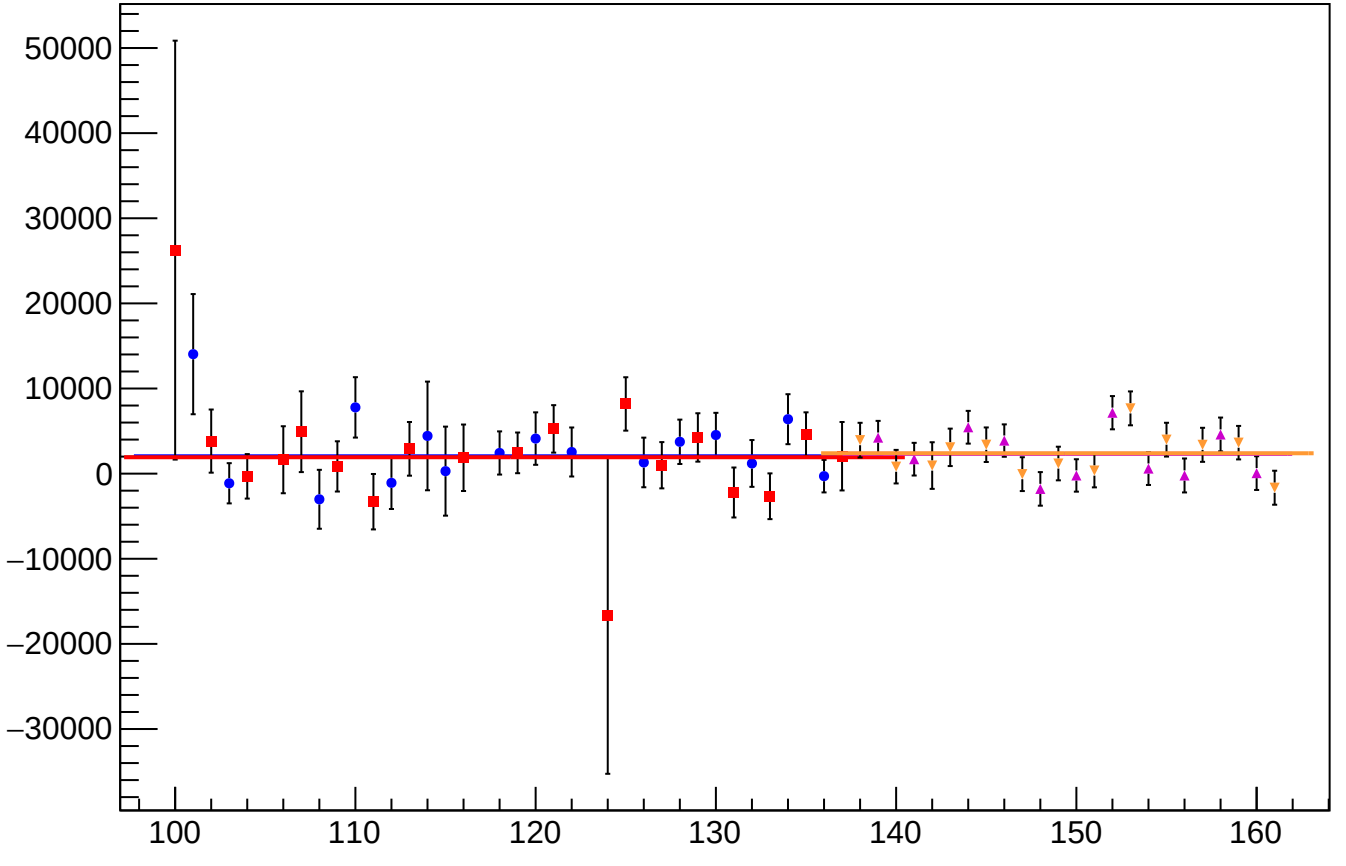
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 592.525+/-0.109 χ^2/NDF:2787245.0/26

Out: 568.059+/-0.103 χ^2/NDF:3385841.8/31

All: 579.669+/-0.075 χ^2/NDF: 6199676.3/58

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.366+/-566.877 χ^2/NDF:17.2/12

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2326.741+/-587.131 χ^2/NDF:21.7/10

Left: 2361.223+/-407.815 χ^2/NDF: 38.9/23

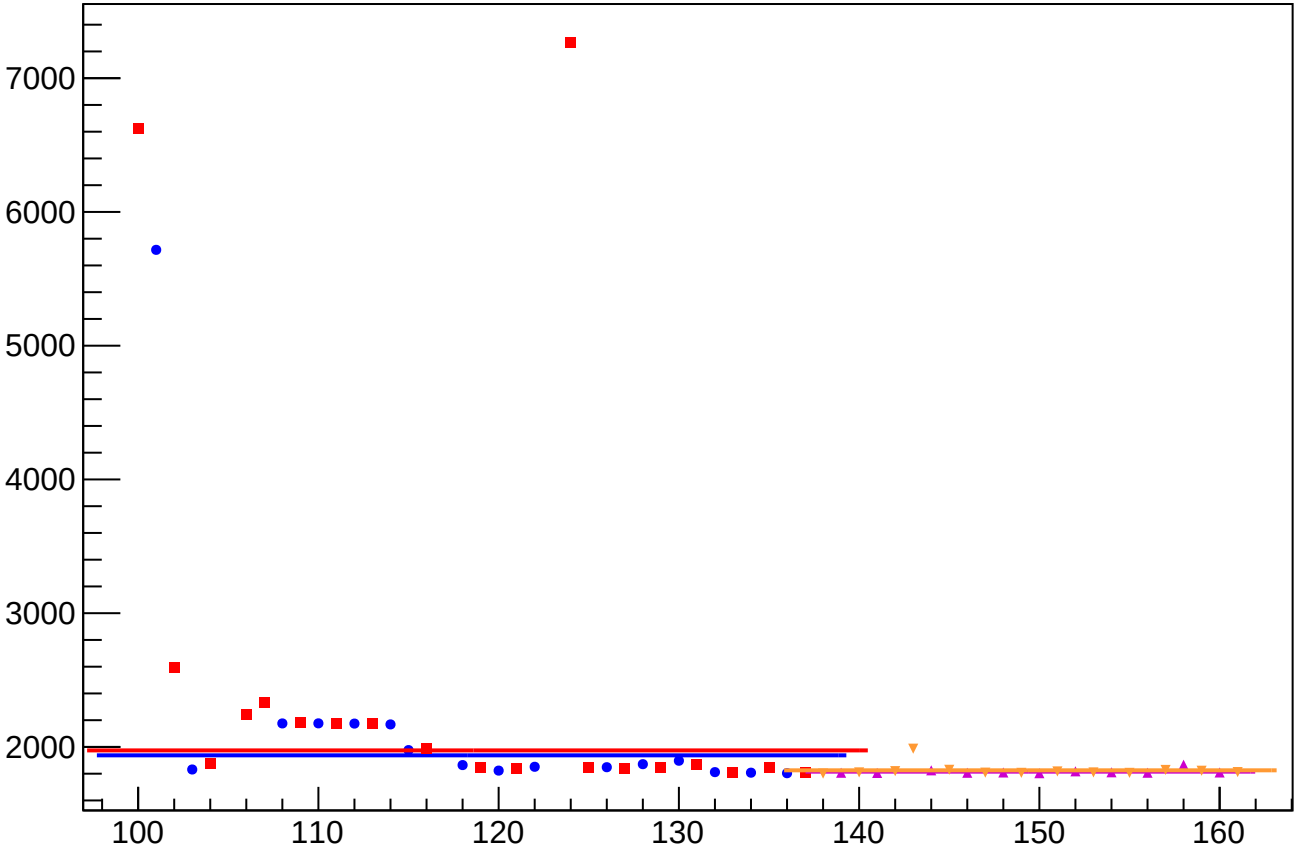
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2214.818+/-459.031 χ^2/NDF:38.2/26

Out: 2219.861+/-449.427 χ^2/NDF:35.9/31

All: 2217.393+/-321.135 χ^2/NDF: 74.1/58

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

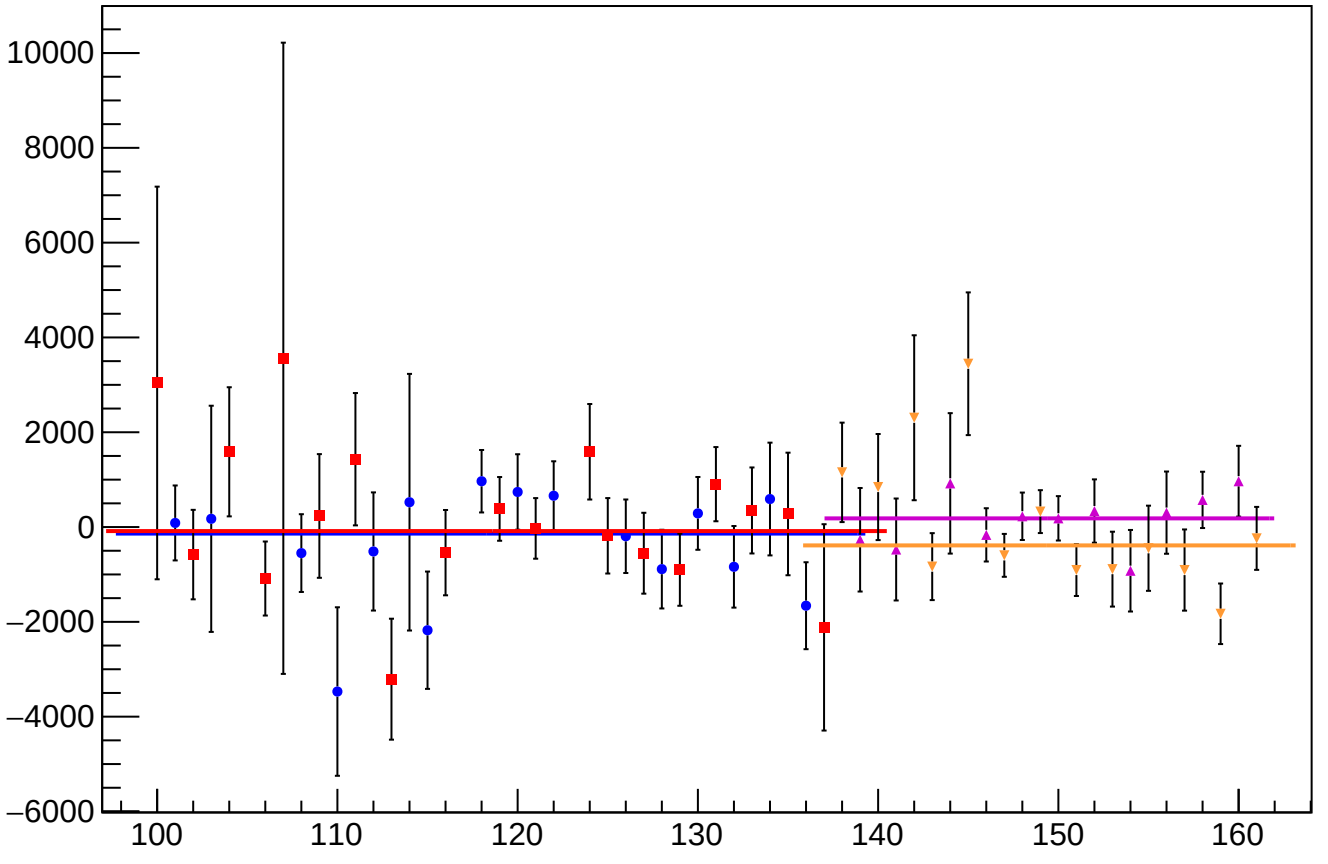
Left: 1820.408+/-0.288 χ^2/NDF: 14023.2/23

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1880.536+/-0.318 χ^2/NDF:443741.2/31

All: 1871.798+/-0.227 χ^2/NDF: 1118648.0/58



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -387.087+/-194.198 χ^2/NDF:22.2/12

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 182.870+/-206.585 χ^2/NDF:4.4/10

Left: -119.706+/-141.495 χ^2/NDF: 30.7/23

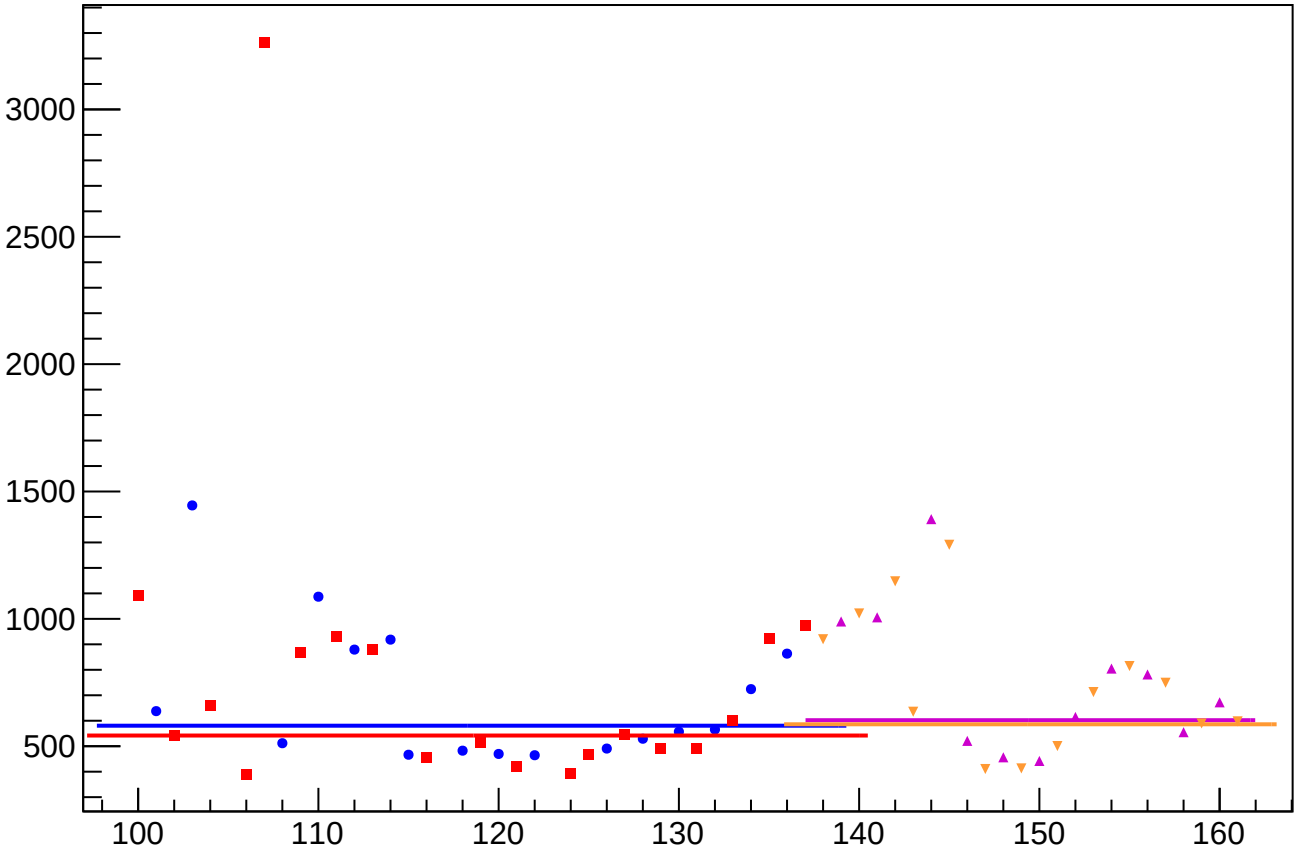
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 40.085+/-153.805 χ^2/NDF:22.4/26

Out: -256.030+/-146.132 χ^2/NDF:42.5/31

All: -115.543+/-105.940 χ^2/NDF: 66.8/58

asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 586.063+/-0.137 χ^2/NDF:2058636.3/12

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

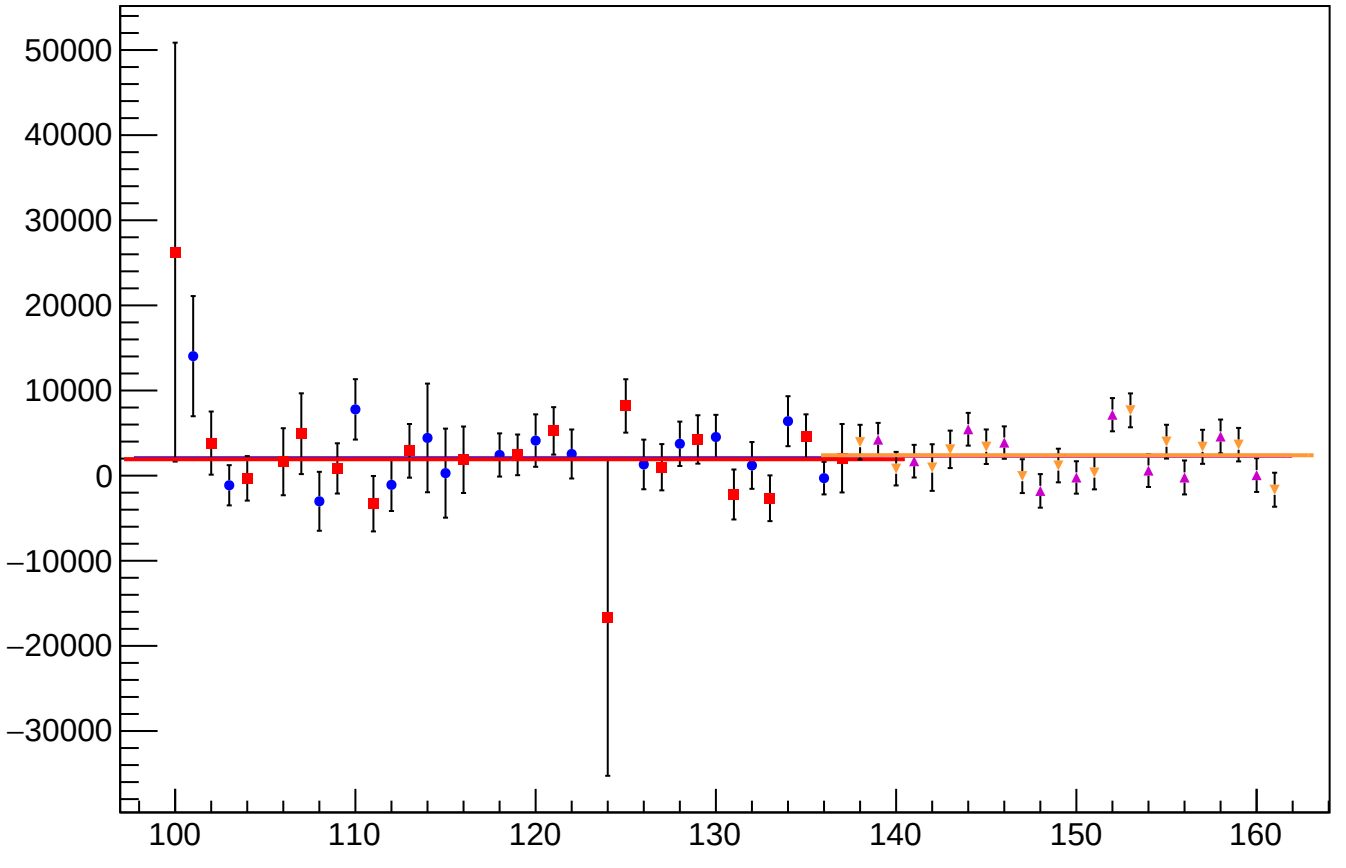
Left: 593.589+/-0.100 χ^2/NDF: 3839284.4/23

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 592.484+/-0.109 χ^2/NDF:2786878.7/26

Out: 566.924+/-0.103 χ^2/NDF:3422272.9/31

All: 579.050+/-0.075 χ^2/NDF: 6238182.6/58



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.366+/-566.877 χ^2/NDF:17.2/12

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2326.741+/-587.131 χ^2/NDF:21.7/10

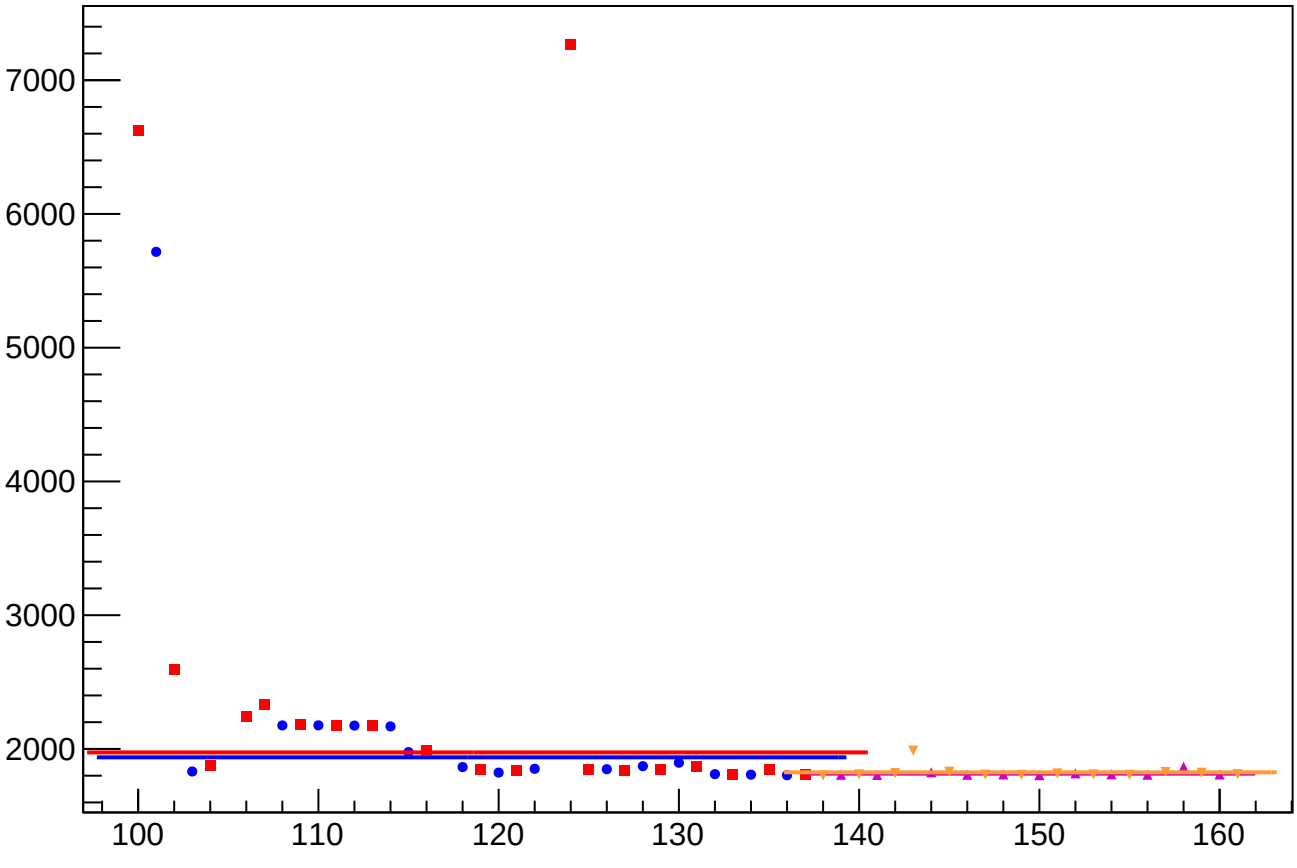
Left: 2361.223+/-407.815 χ^2/NDF: 38.9/23

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2214.818+/-459.031 χ^2/NDF:38.2/26

Out: 2219.861+/-449.427 χ^2/NDF:35.9/31

All: 2217.393+/-321.135 χ^2/NDF: 74.1/58



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

Left: 1820.408+/-0.288 χ^2/NDF: 14023.2/23

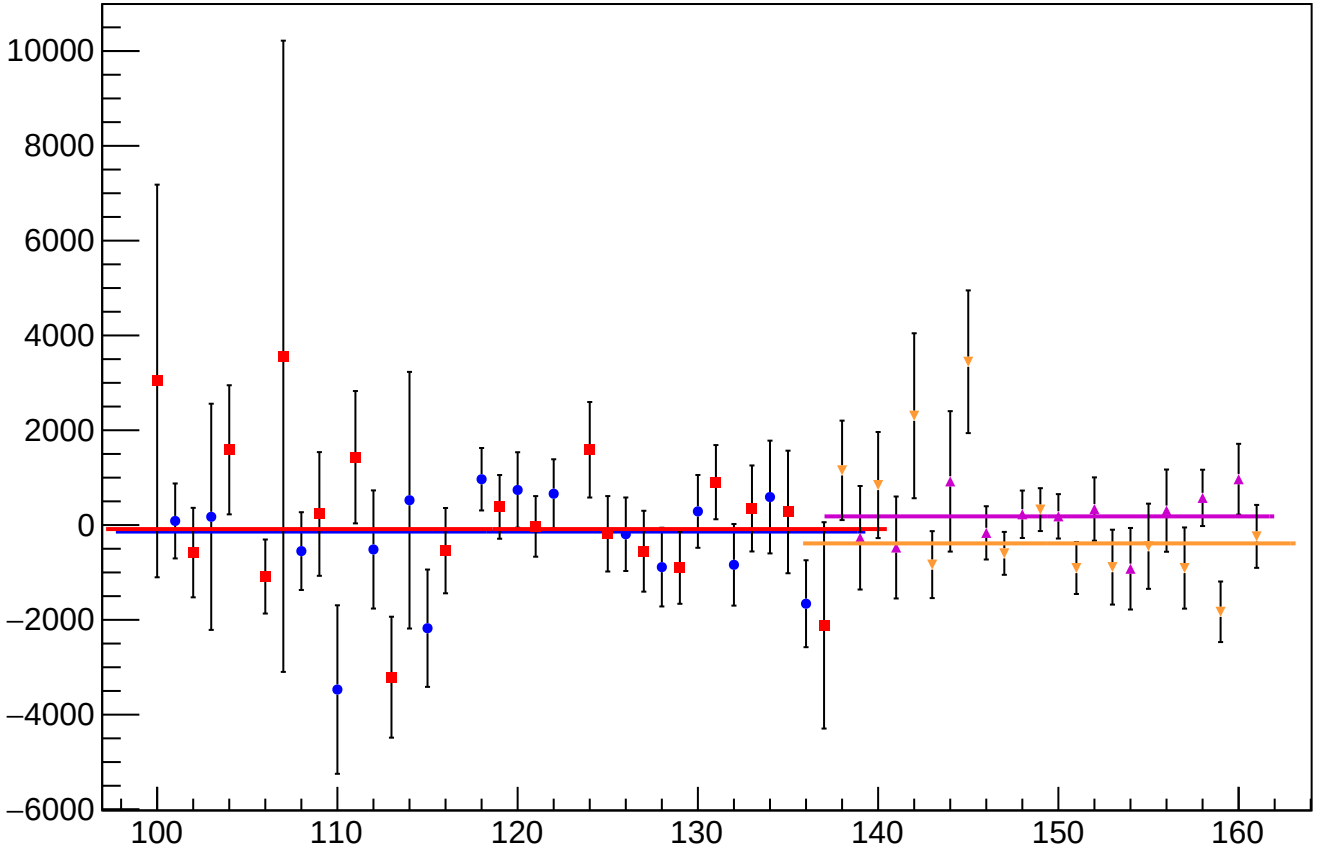
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1862.682+/-0.325 χ^2/NDF:673362.1/26

Out: 1880.536+/-0.318 χ^2/NDF:443741.2/31

All: 1871.798+/-0.227 χ^2/NDF: 1118648.0/58

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -387.087+/-194.198 χ^2/NDF:22.2/12

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 182.870+/-206.585 χ^2/NDF:4.4/10

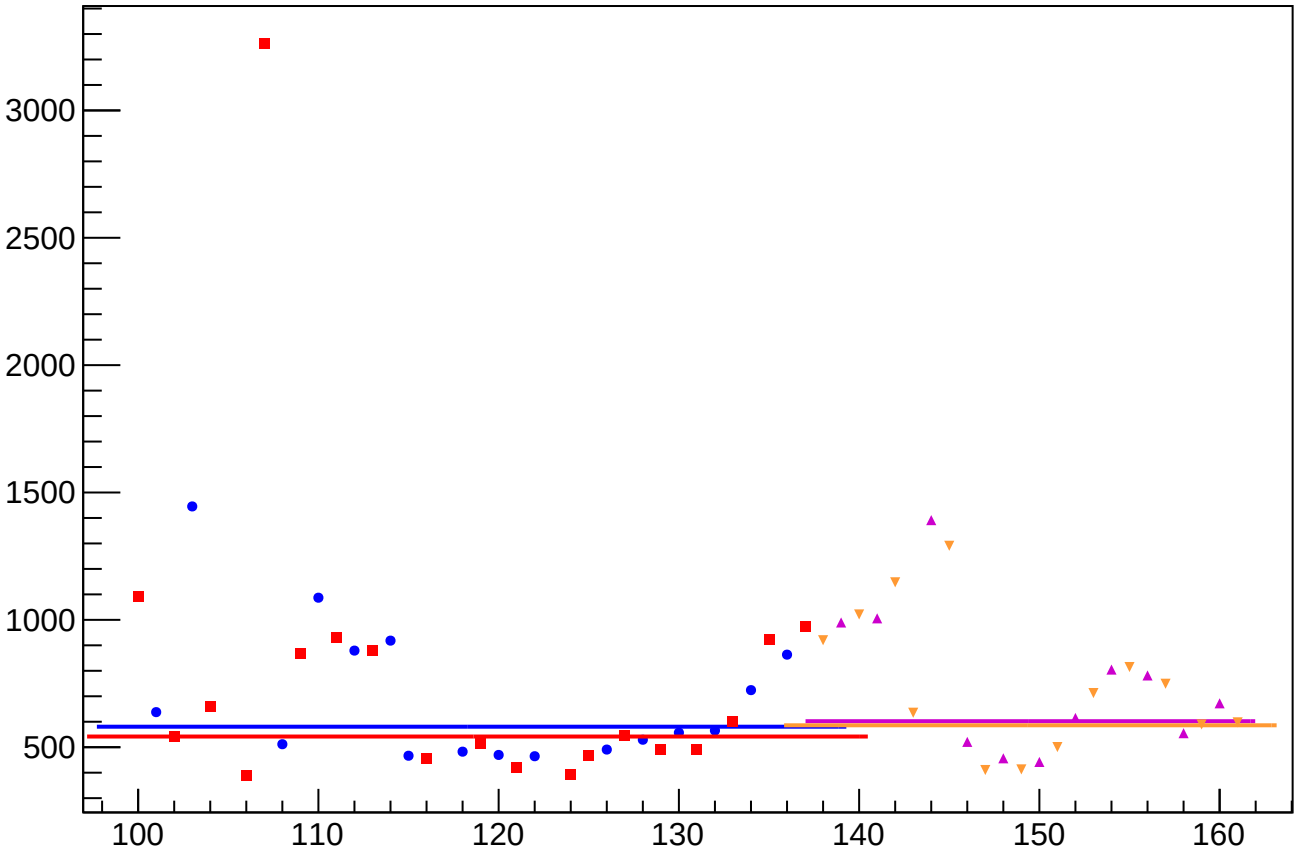
Left: -119.706+/-141.495 χ^2/NDF: 30.7/23

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 40.085+/-153.805 χ^2/NDF:22.4/26

Out: -256.030+/-146.132 χ^2/NDF:42.5/31

All: -115.543+/-105.940 χ^2/NDF: 66.8/58



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 586.063+/-0.137 χ^2/NDF:2058636.3/12

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

Left: 593.589+/-0.100 χ^2/NDF: 3839284.4/23

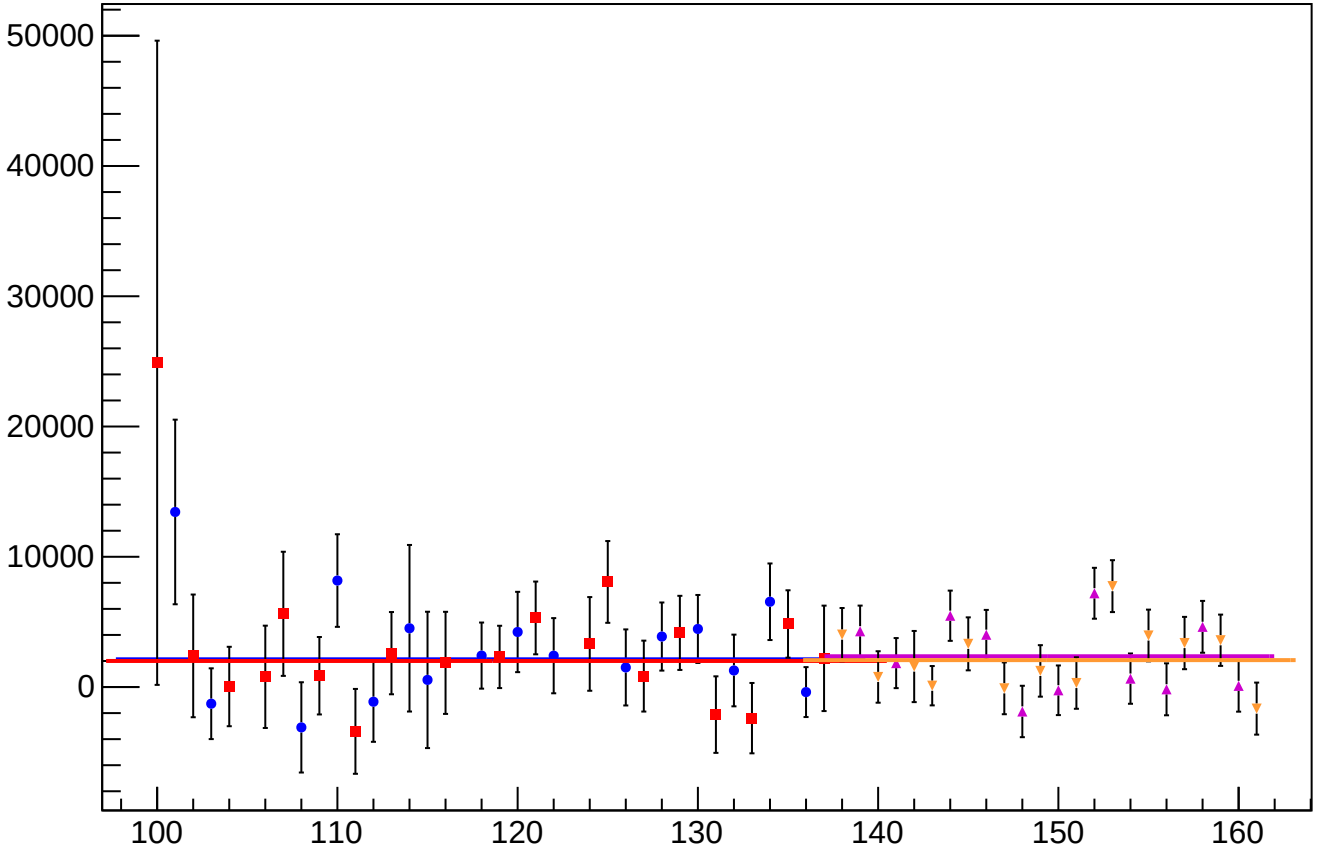
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 592.484+/-0.109 χ^2/NDF:2786878.7/26

Out: 566.924+/-0.103 χ^2/NDF:3422272.9/31

All: 579.050+/-0.075 χ^2/NDF: 6238182.6/58

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2066.573+/-547.430 χ^2/NDF:19.1/12

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2362.790+/-587.810 χ^2/NDF:22.0/10

Left: 2204.159+/-400.607 χ^2/NDF: 41.3/23

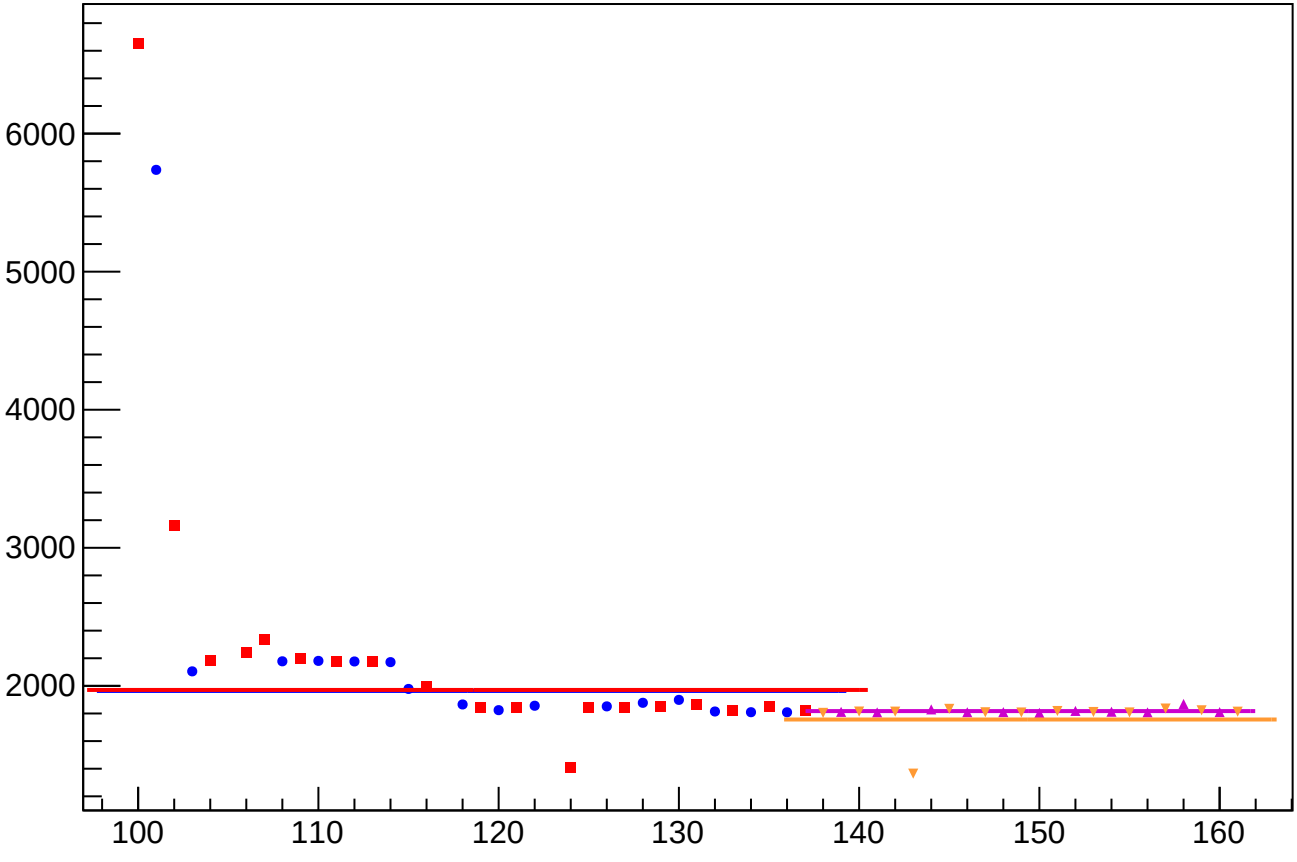
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2273.177+/-461.761 χ^2/NDF:38.6/26

Out: 2043.700+/-439.503 χ^2/NDF:35.9/31

All: 2152.775+/-318.354 χ^2/NDF: 74.6/58

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1756.409+/-0.387 χ^2/NDF:155895.1/12

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

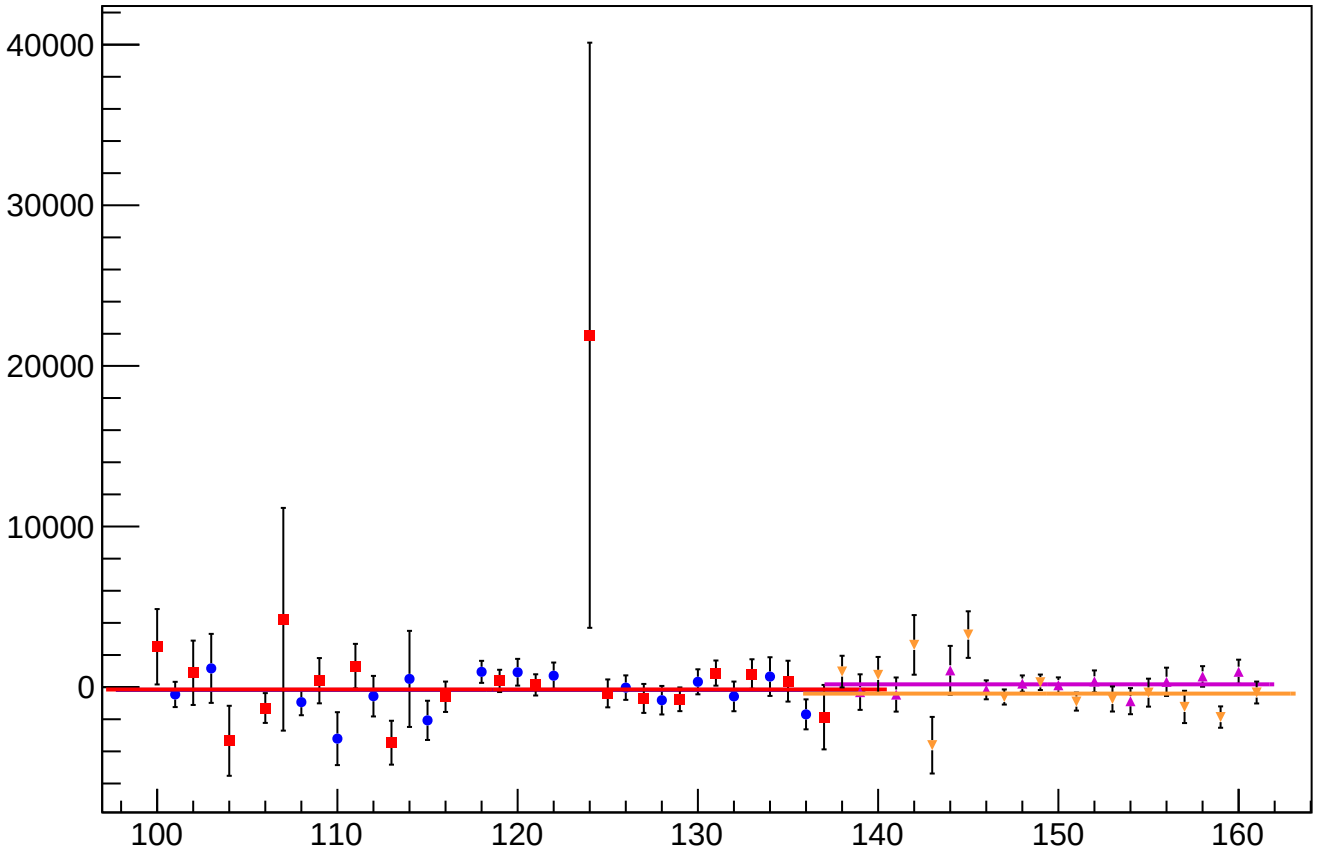
Left: 1784.703+/-0.283 χ^2/NDF: 169130.3/23

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1873.262+/-0.327 χ^2/NDF:689287.9/26

Out: 1832.490+/-0.311 χ^2/NDF:609712.2/31

All: 1851.869+/-0.225 χ^2/NDF: 1307181.2/58



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -402.817+/-207.213 χ^2/NDF:24.3/12

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 174.299+/-211.754 χ^2/NDF:4.7/10

Left: -120.513+/-148.101 χ^2/NDF: 32.8/23

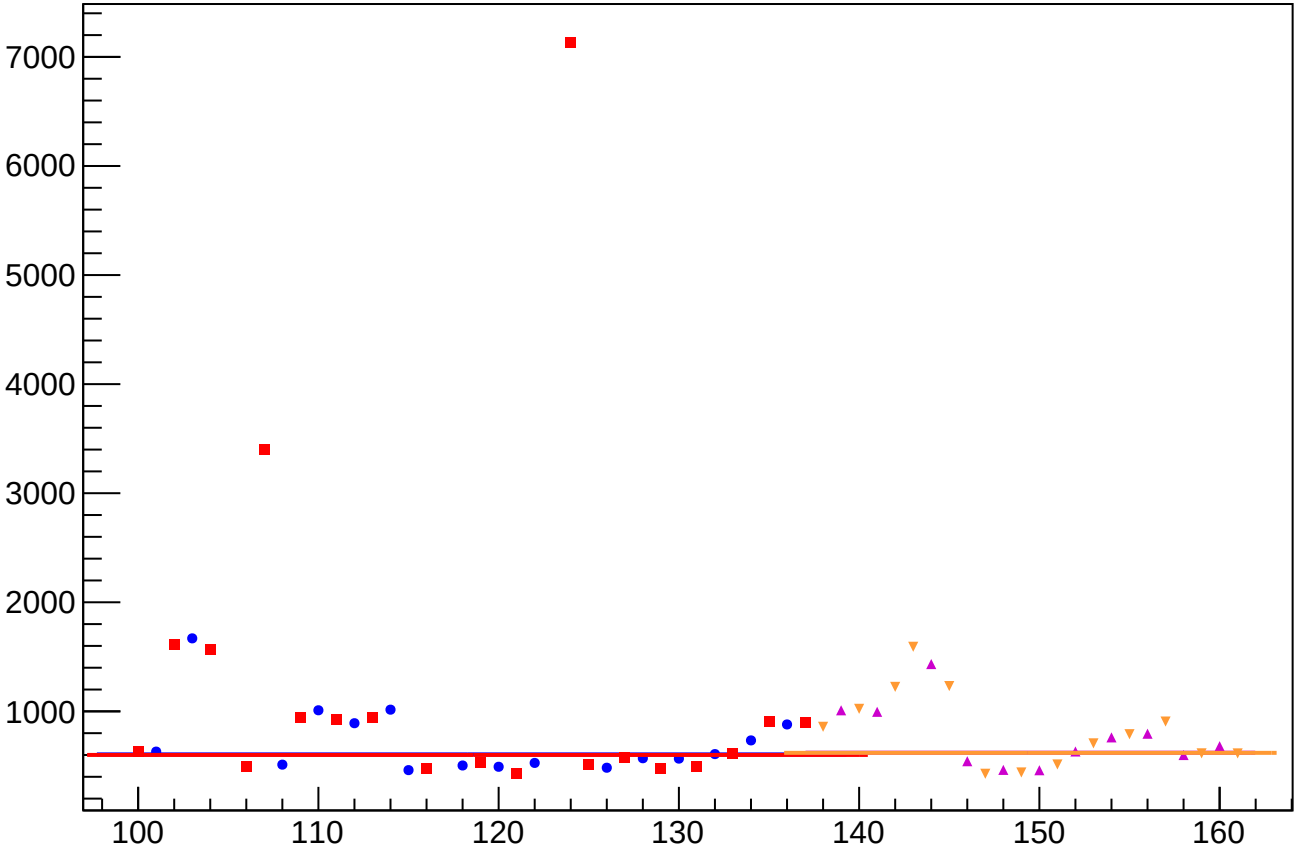
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.051+/-157.880 χ^2/NDF:23.1/26

Out: -295.244+/-157.630 χ^2/NDF:45.0/31

All: -137.348+/-111.550 χ^2/NDF: 70.1/58

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 619.606+/-0.147 χ^2/NDF:2503679.0/12

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 620.867+/-0.150 χ^2/NDF:1665766.2/10

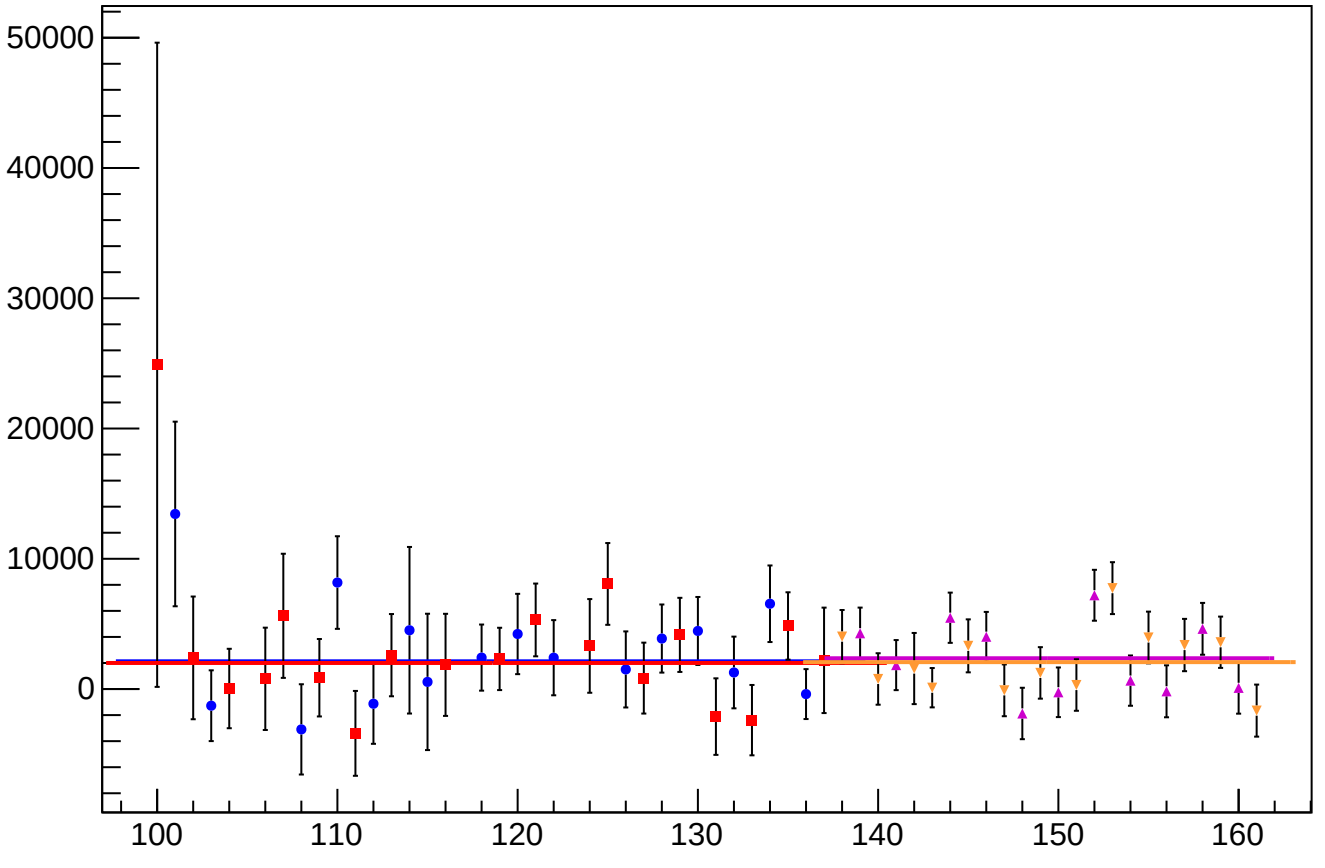
Left: 620.223+/-0.105 χ^2/NDF: 4169481.4/23

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 614.011+/-0.112 χ^2/NDF:2832941.0/26

Out: 611.534+/-0.111 χ^2/NDF:4839406.8/31

All: 612.770+/-0.079 χ^2/NDF: 7672594.4/58



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2066.574+/-547.430 χ^2/NDF:19.1/12

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2362.790+/-587.810 χ^2/NDF:22.0/10

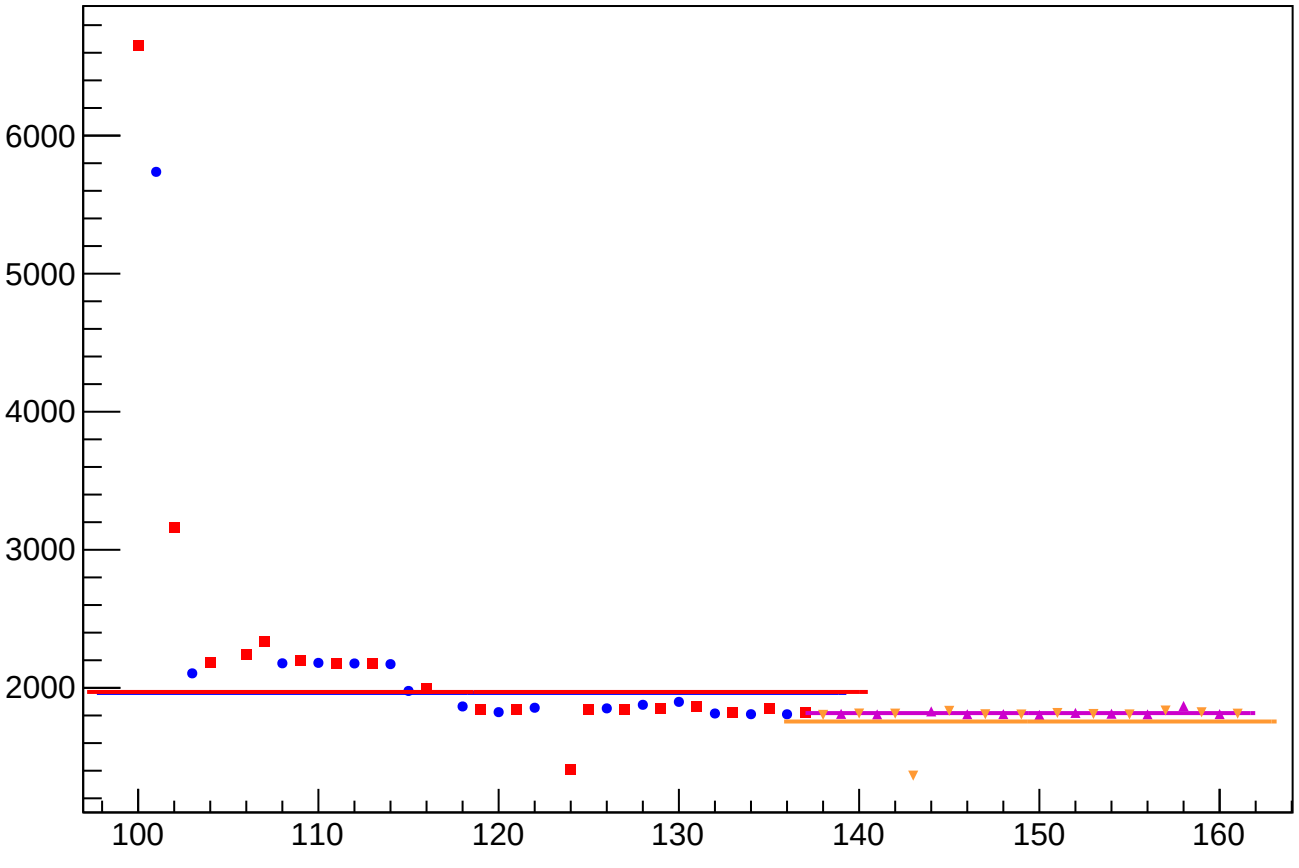
Left: 2204.159+/-400.607 χ^2/NDF: 41.3/23

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2273.176+/-461.761 χ^2/NDF:38.6/26

Out: 2043.700+/-439.503 χ^2/NDF:35.9/31

All: 2152.774+/-318.354 χ^2/NDF: 74.6/58



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1756.409+/-0.387 χ^2/NDF:155895.1/12

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

Left: 1784.703+/-0.283 χ^2/NDF: 169130.3/23

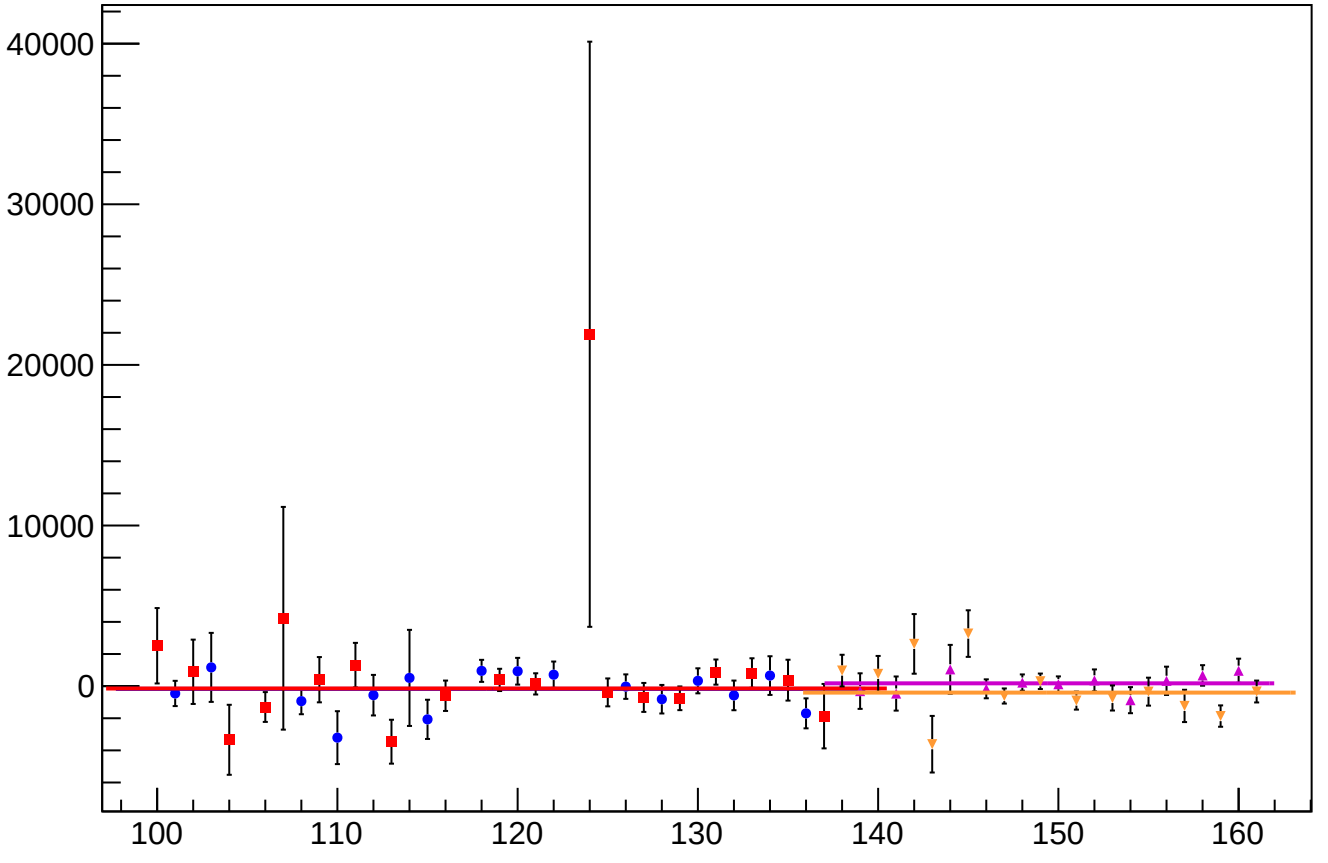
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1873.261+/-0.327 χ^2/NDF:689287.5/26

Out: 1832.490+/-0.311 χ^2/NDF:609710.6/31

All: 1851.869+/-0.225 χ^2/NDF: 1307179.2/58

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: -402.818+/-207.213 χ^2/NDF:24.3/12

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 174.299+/-211.754 χ^2/NDF:4.7/10

Left: -120.513+/-148.101 χ^2/NDF: 32.8/23

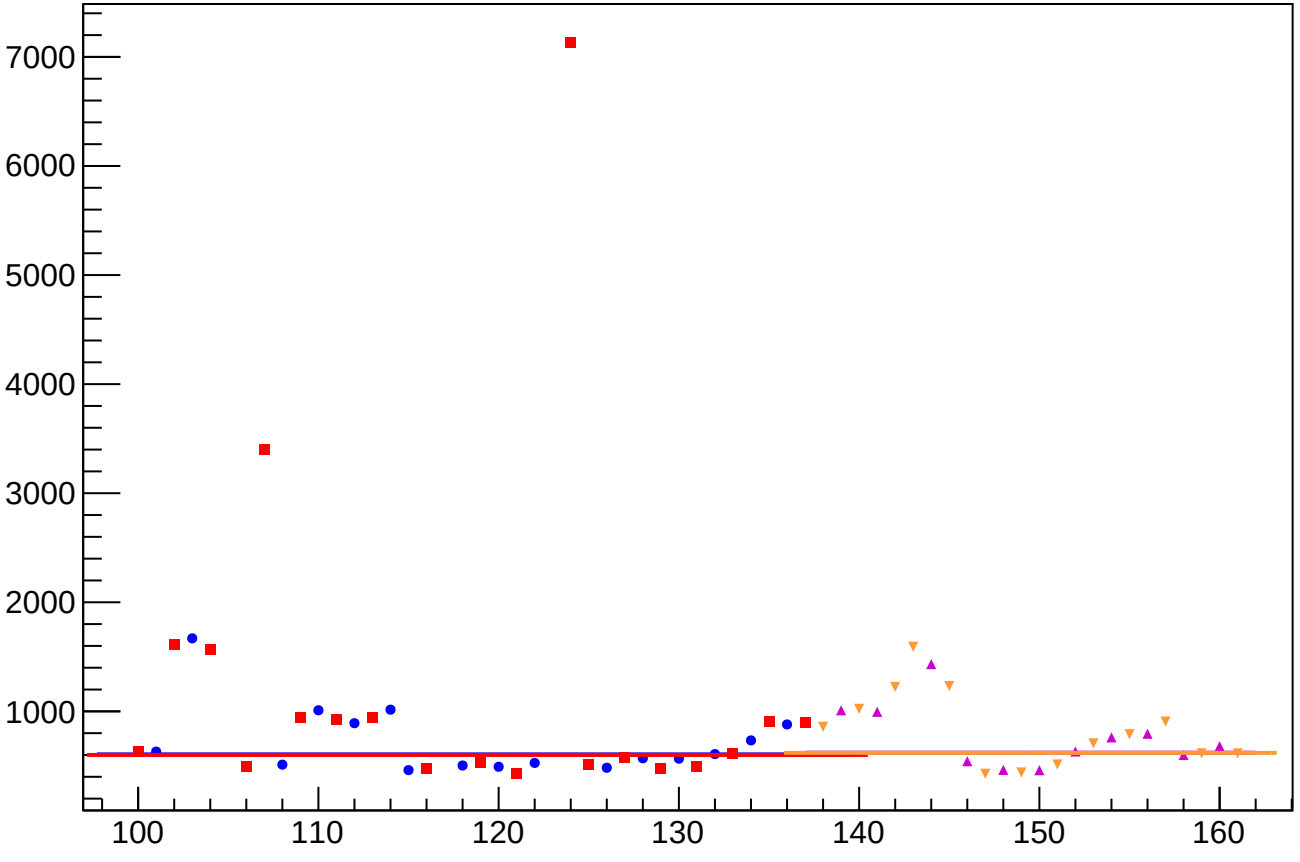
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.051+/-157.880 χ^2/NDF:23.1/26

Out: -295.243+/-157.630 χ^2/NDF:45.0/31

All: -137.347+/-111.550 χ^2/NDF: 70.1/58

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: 619.607+/-0.147 χ^2/NDF:2503670.6/12

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 620.868+/-0.150 χ^2/NDF:1665760.8/10

Left: 620.224+/-0.105 χ^2/NDF: 4169467.6/23

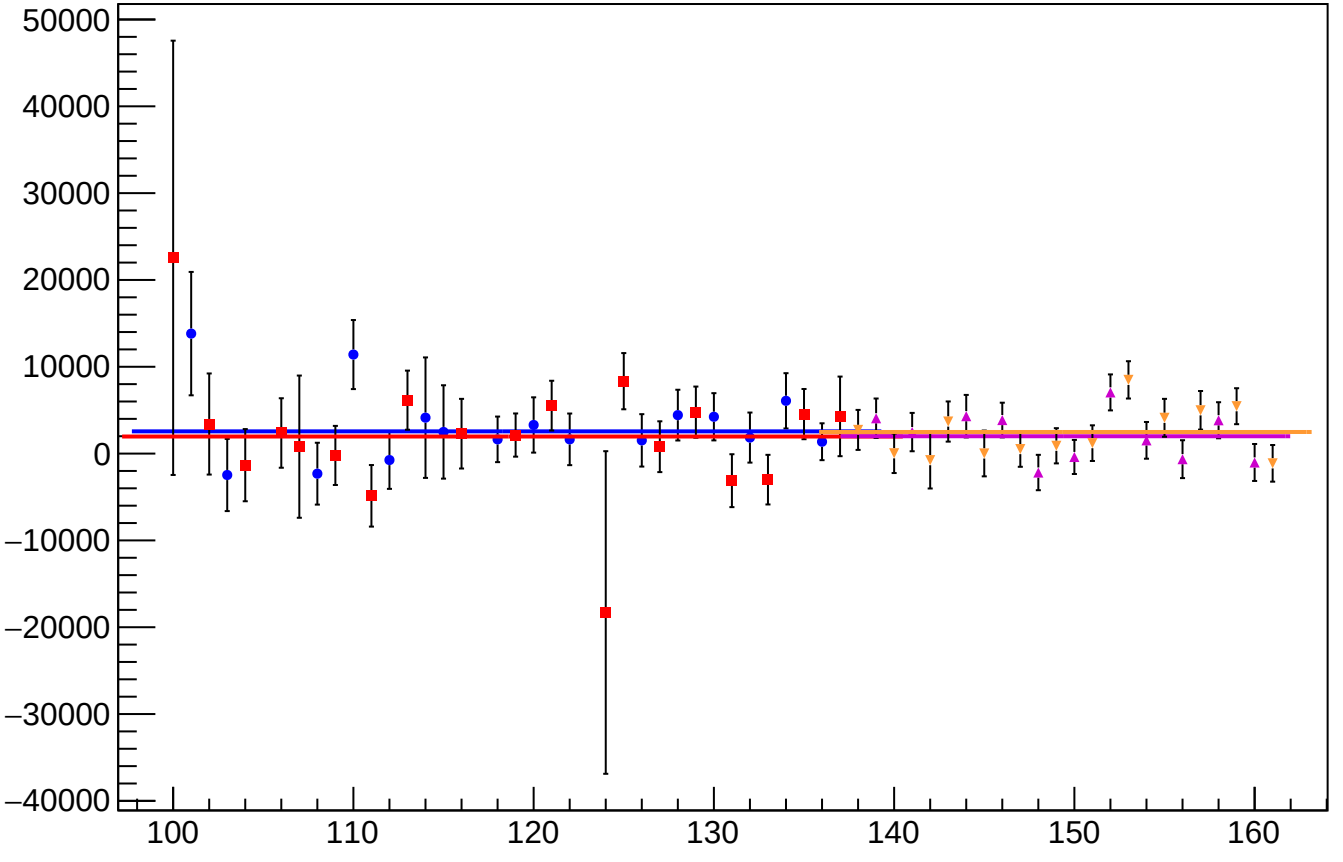
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 614.011+/-0.112 χ^2/NDF:2832944.9/26

Out: 611.534+/-0.111 χ^2/NDF:4839407.9/31

All: 612.771+/-0.079 χ^2/NDF: 7672599.2/58

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2488.618+/-618.619 χ^2/NDF:19.9/12

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1997.797+/-640.889 χ^2/NDF:18.6/10

Left: 2251.883+/-445.095 χ^2/NDF: 38.7/23

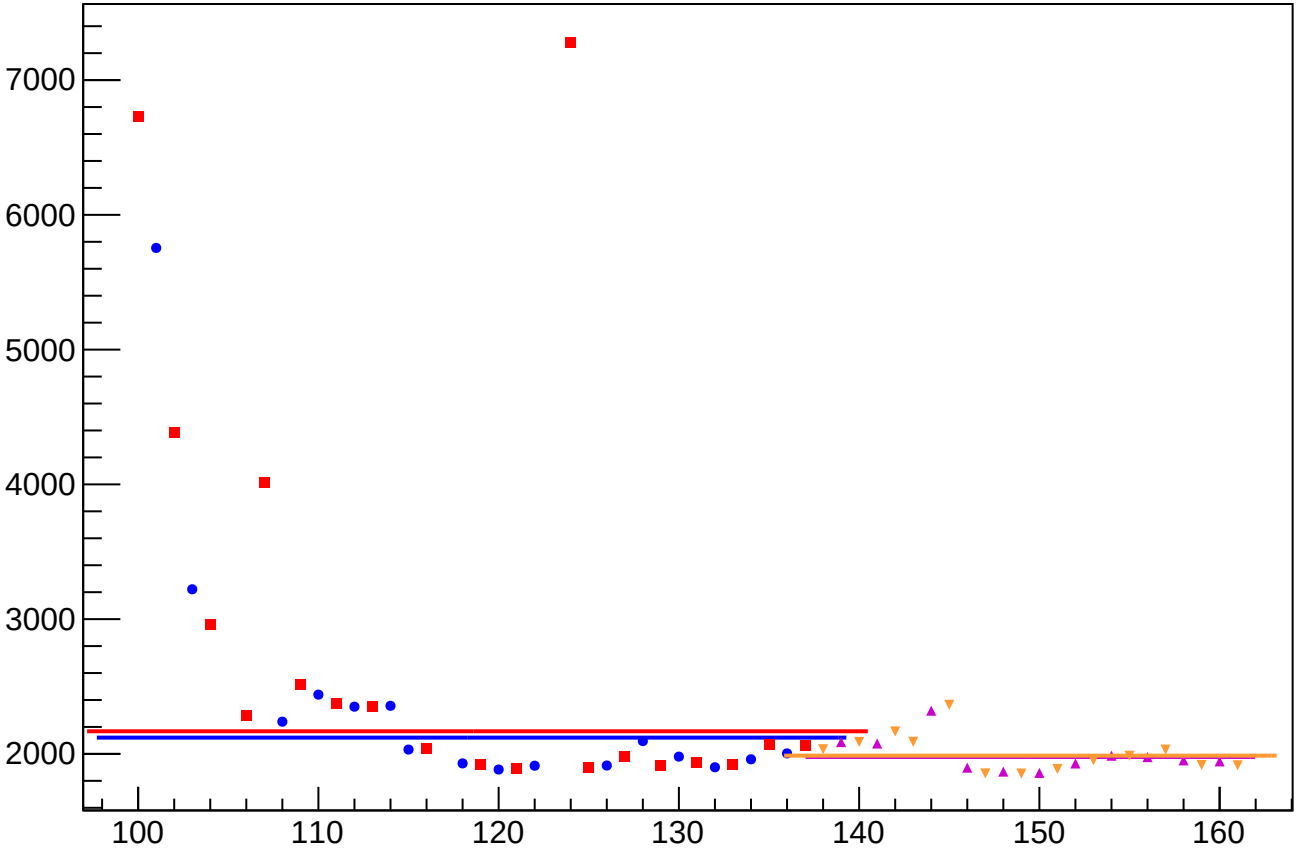
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2214.735+/-502.514 χ^2/NDF:33.5/26

Out: 2298.983+/-493.593 χ^2/NDF:41.7/31

All: 2257.613+/-352.135 χ^2/NDF: 75.2/58

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1987.111+/-0.437 χ^2/NDF:83213.5/12

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1977.266+/-0.453 χ^2/NDF:66147.7/10

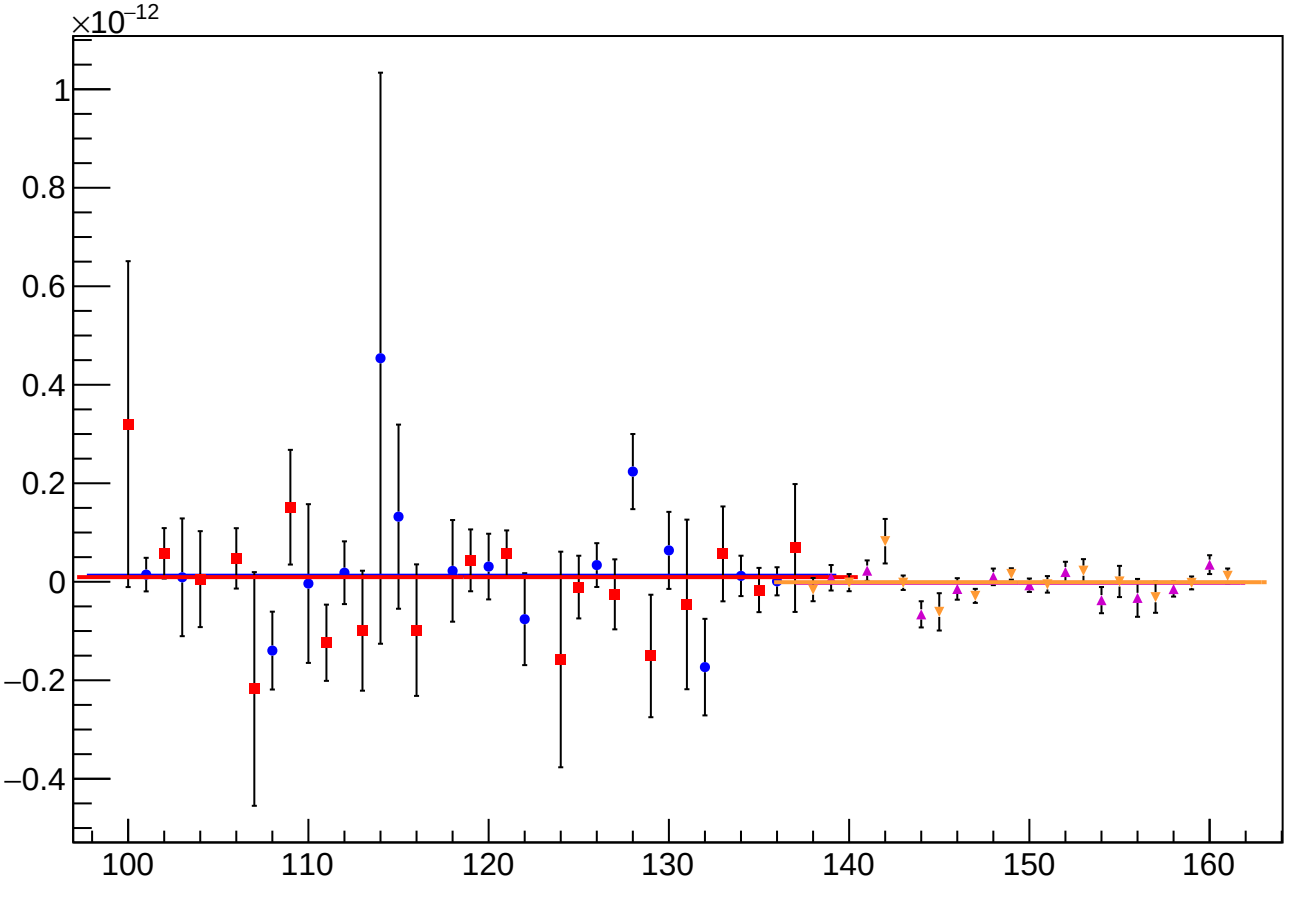
Left: 1982.362+/-0.315 χ^2/NDF: 149605.5/23

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2032.547+/-0.355 χ^2/NDF:864747.5/26

Out: 2052.782+/-0.349 χ^2/NDF:969166.0/31

All: 2042.846+/-0.249 χ^2/NDF: 1835563.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/10

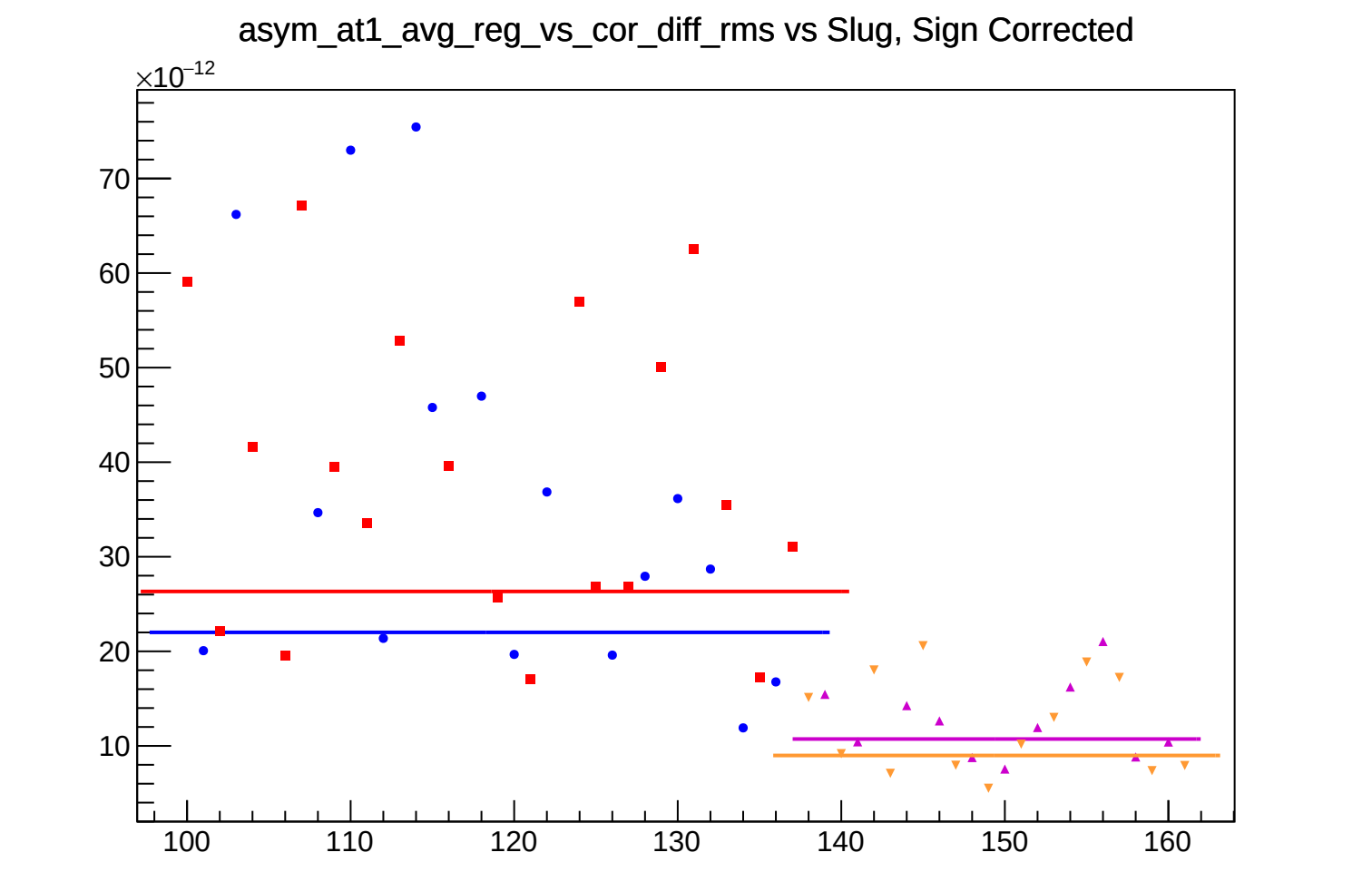
Left: -0.000+/-0.000 χ^2/NDF: 31.2/23

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:34.9/26

Out: -0.000+/-0.000 χ^2/NDF:29.1/31

All: -0.000+/-0.000 χ^2/NDF: 63.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1064677.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:520712.5/10

Left: 0.000+/-0.000 χ^2/NDF: 1685330.7/23

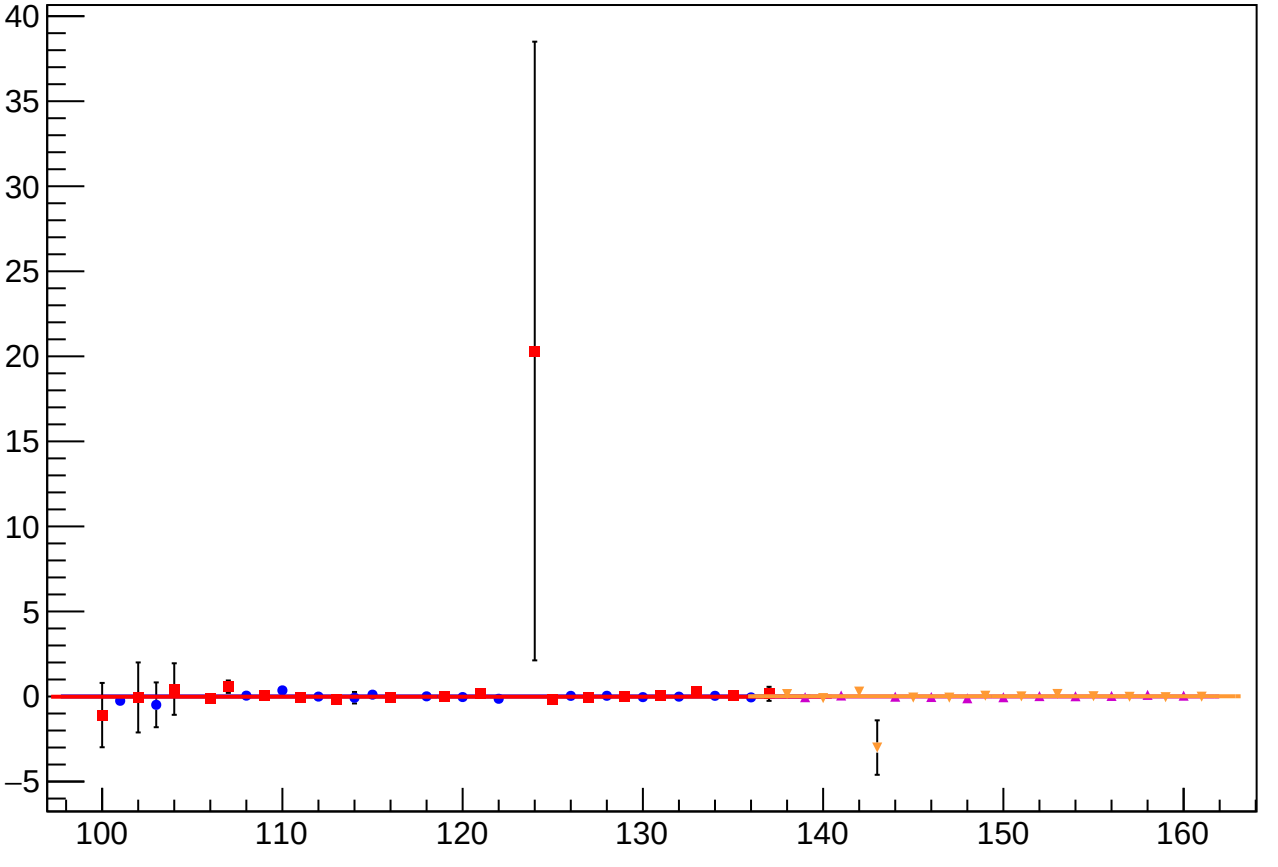
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2558019.2/26

Out: 0.000+/-0.000 χ^2/NDF:3490893.2/31

All: 0.000+/-0.000 χ^2/NDF: 6219644.3/58

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.017 χ^2/NDF:12.1/10

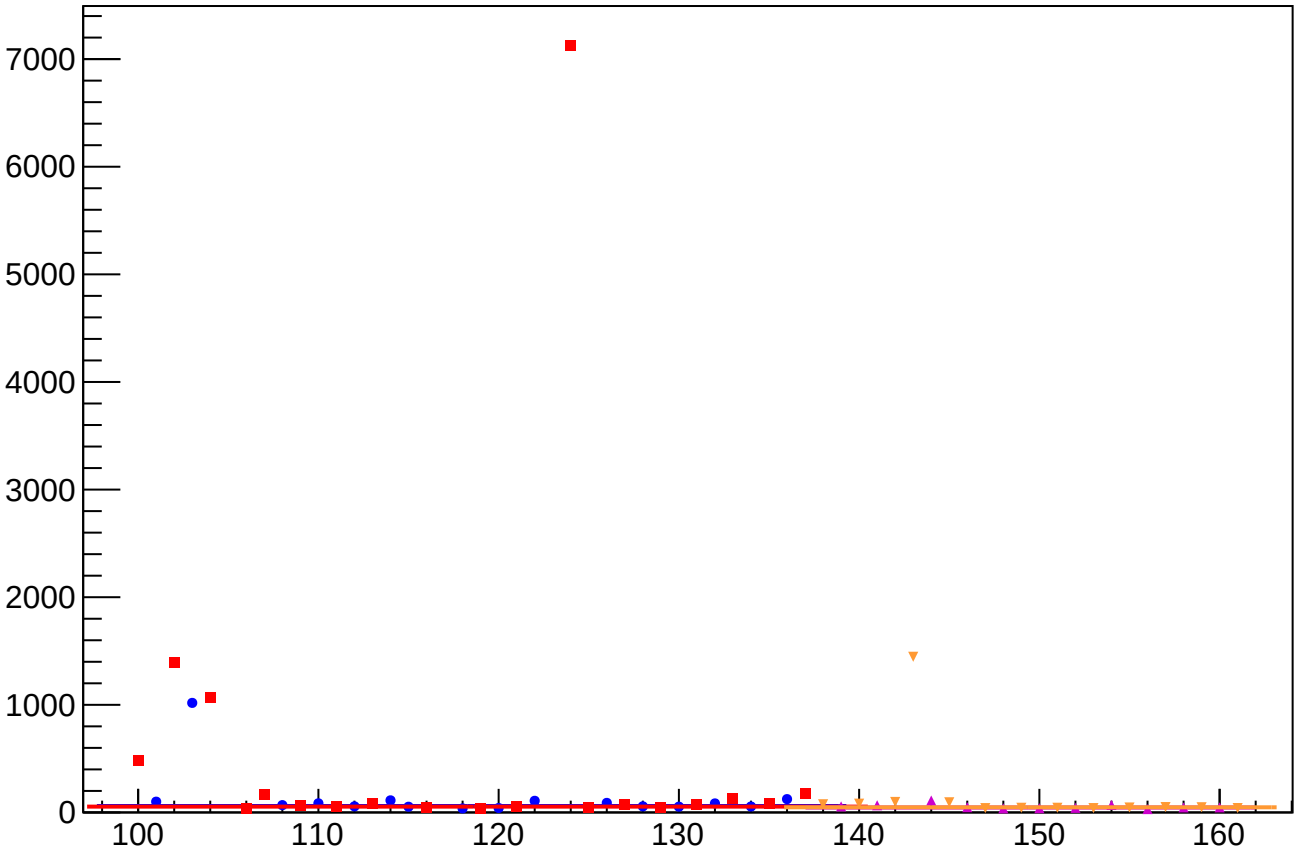
Left: 0.007+/-0.012 χ^2/NDF: 35.1/23

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.006+/-0.014 χ^2/NDF:41.1/31

All: 0.004+/-0.010 χ^2/NDF: 64.6/58



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.902+/-0.012 χ^2/NDF:2670885.7/12

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

Left: 46.784+/-0.009 χ^2/NDF: 4016093.7/23

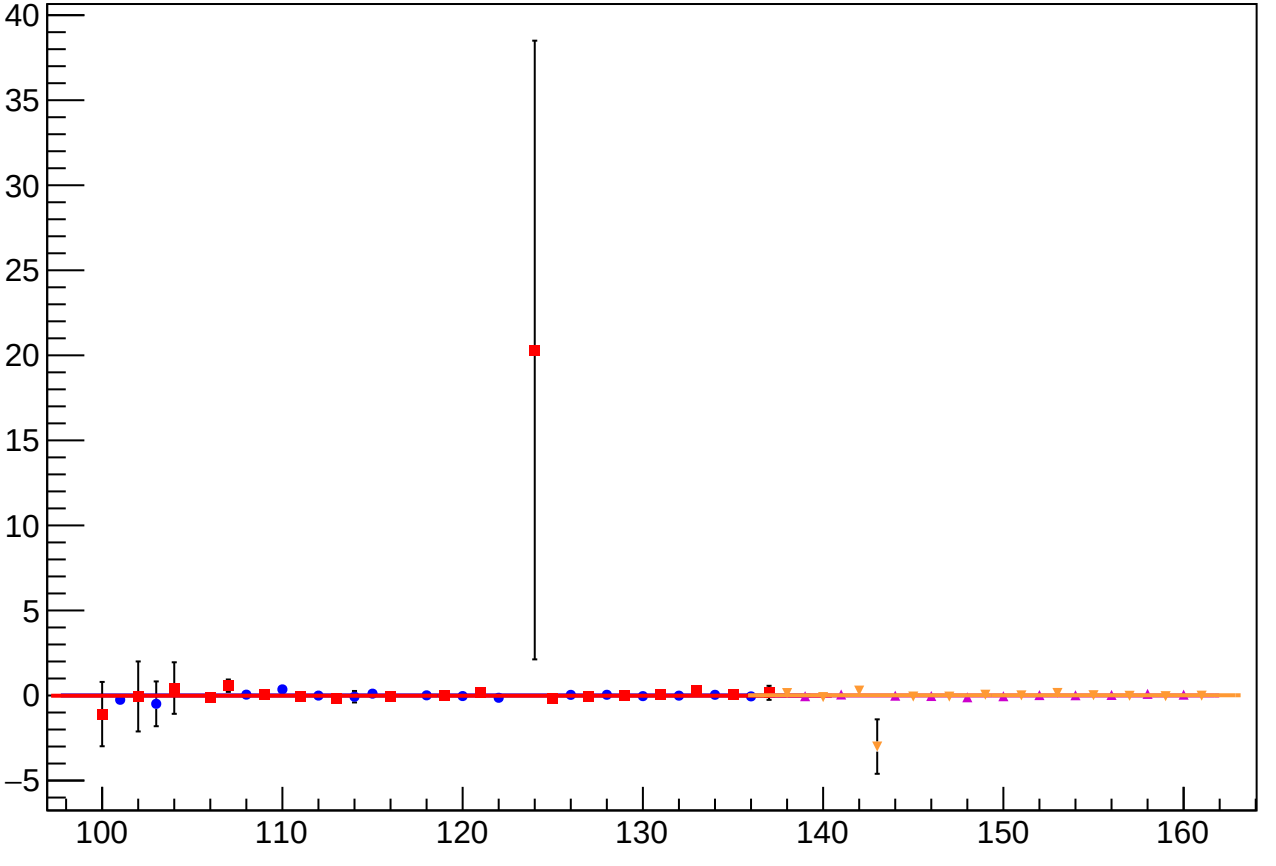
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.717+/-0.010 χ^2/NDF:4267832.7/26

Out: 49.880+/-0.010 χ^2/NDF:6275712.7/31

All: 49.797+/-0.007 χ^2/NDF: 10543675.8/58

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.017 χ^2/NDF:12.1/10

Left: 0.007+/-0.012 χ^2/NDF: 35.1/23

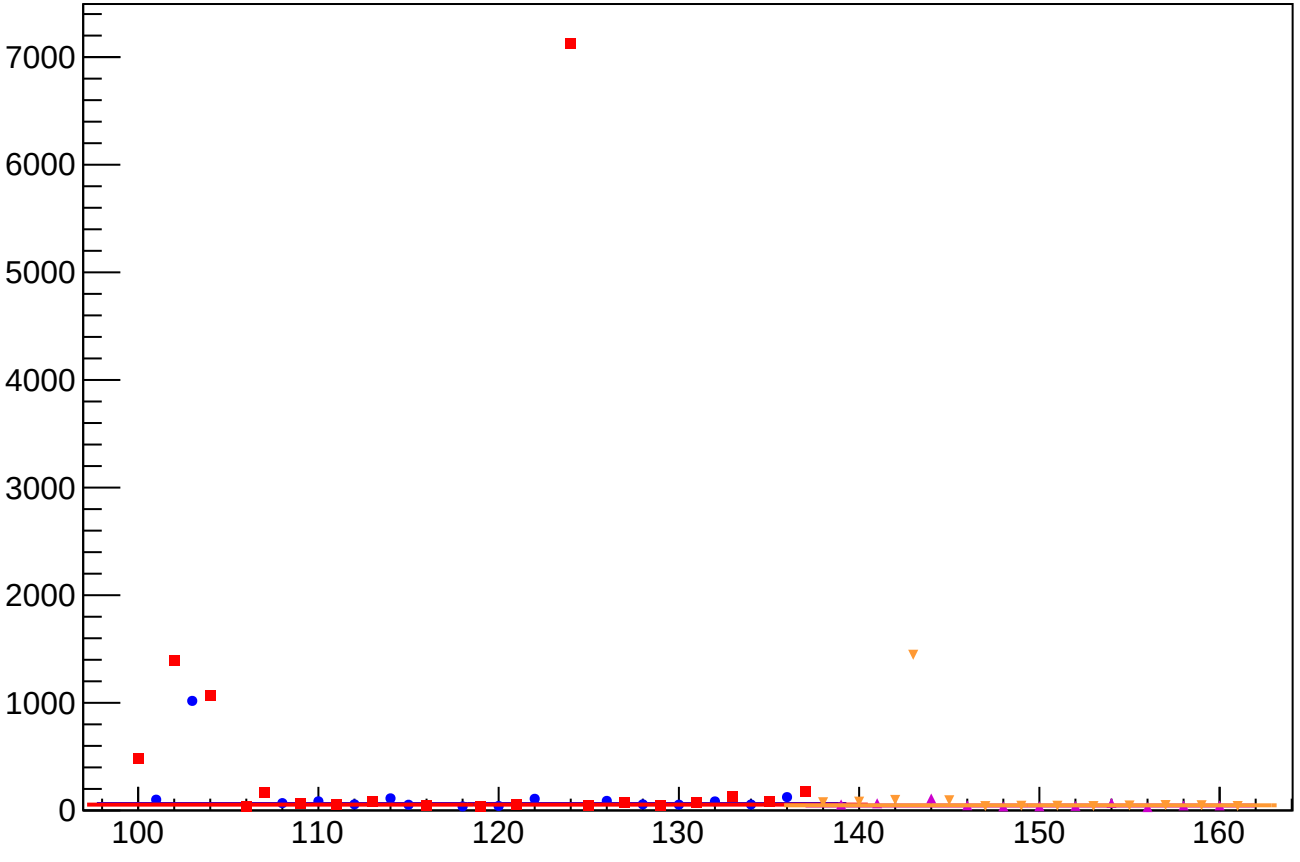
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.006+/-0.014 χ^2/NDF:41.1/31

All: 0.004+/-0.010 χ^2/NDF: 64.6/58

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.902+/-0.012 χ^2/NDF:2670885.7/12

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

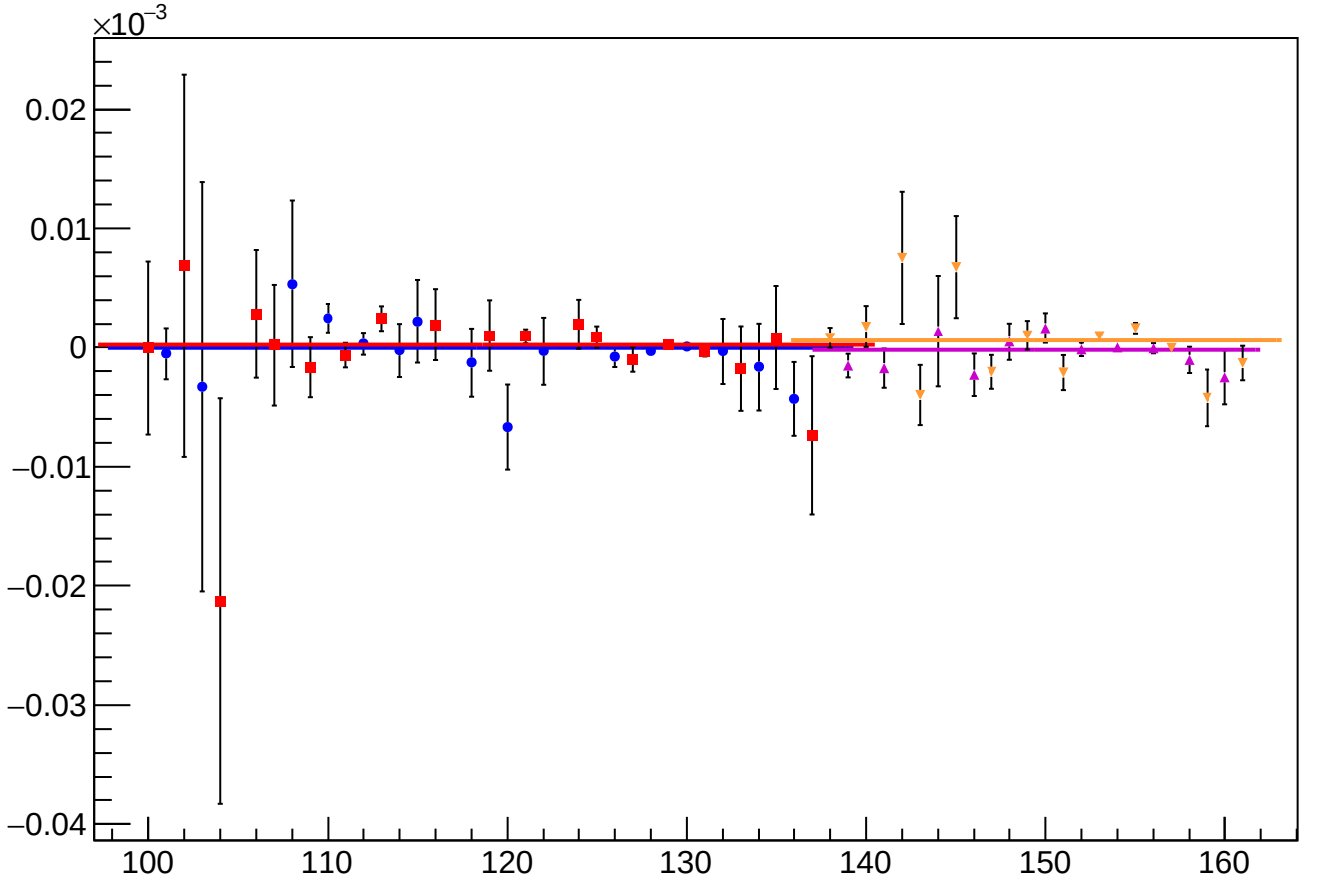
Left: 46.784+/-0.009 χ^2/NDF: 4016093.7/23

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.717+/-0.010 χ^2/NDF:4267832.7/26

Out: 49.880+/-0.010 χ^2/NDF:6275712.7/31

All: 49.797+/-0.007 χ^2/NDF: 10543675.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

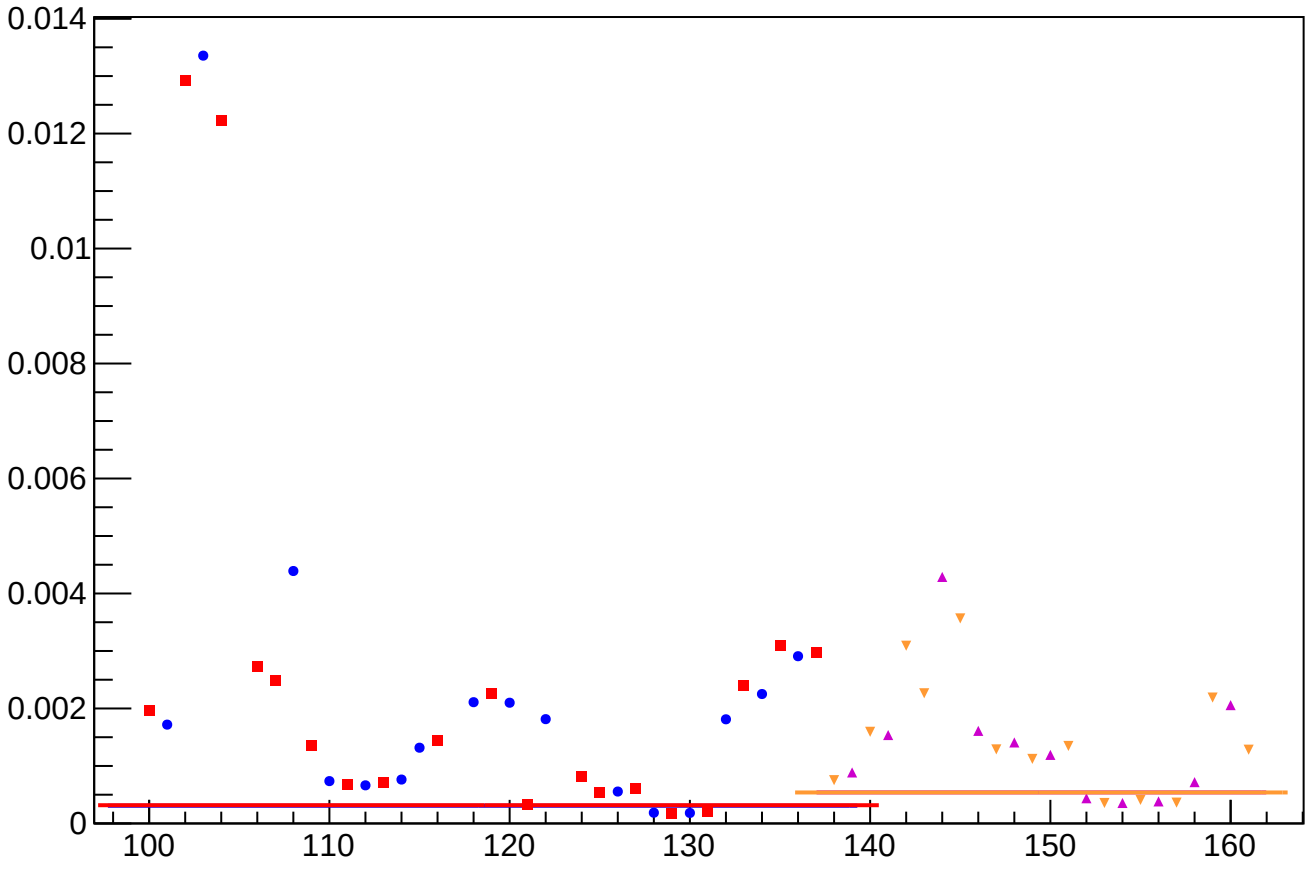
Left: 0.000+/-0.000 χ^2/NDF: 44.8/23

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:47.0/31

All: 0.000+/-0.000 χ^2/NDF: 74.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:7346687.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5935204.6/10

Left: 0.001+/-0.000 χ^2/NDF: 13281915.1/23

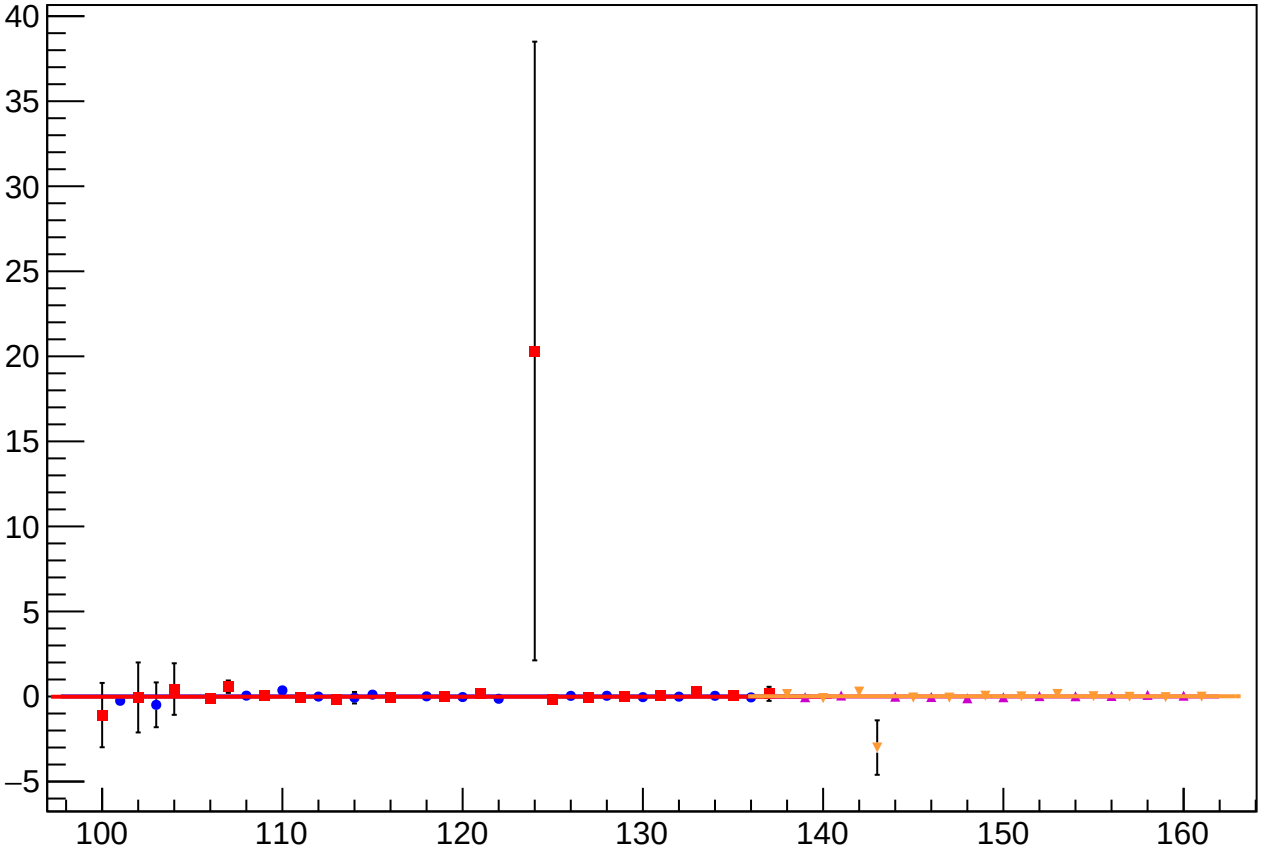
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:15898493.9/26

Out: 0.000+/-0.000 χ^2/NDF:16552243.5/31

All: 0.000+/-0.000 χ^2/NDF: 32456564.5/58

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.017 χ^2/NDF:12.1/10

Left: 0.007+/-0.012 χ^2/NDF: 35.1/23

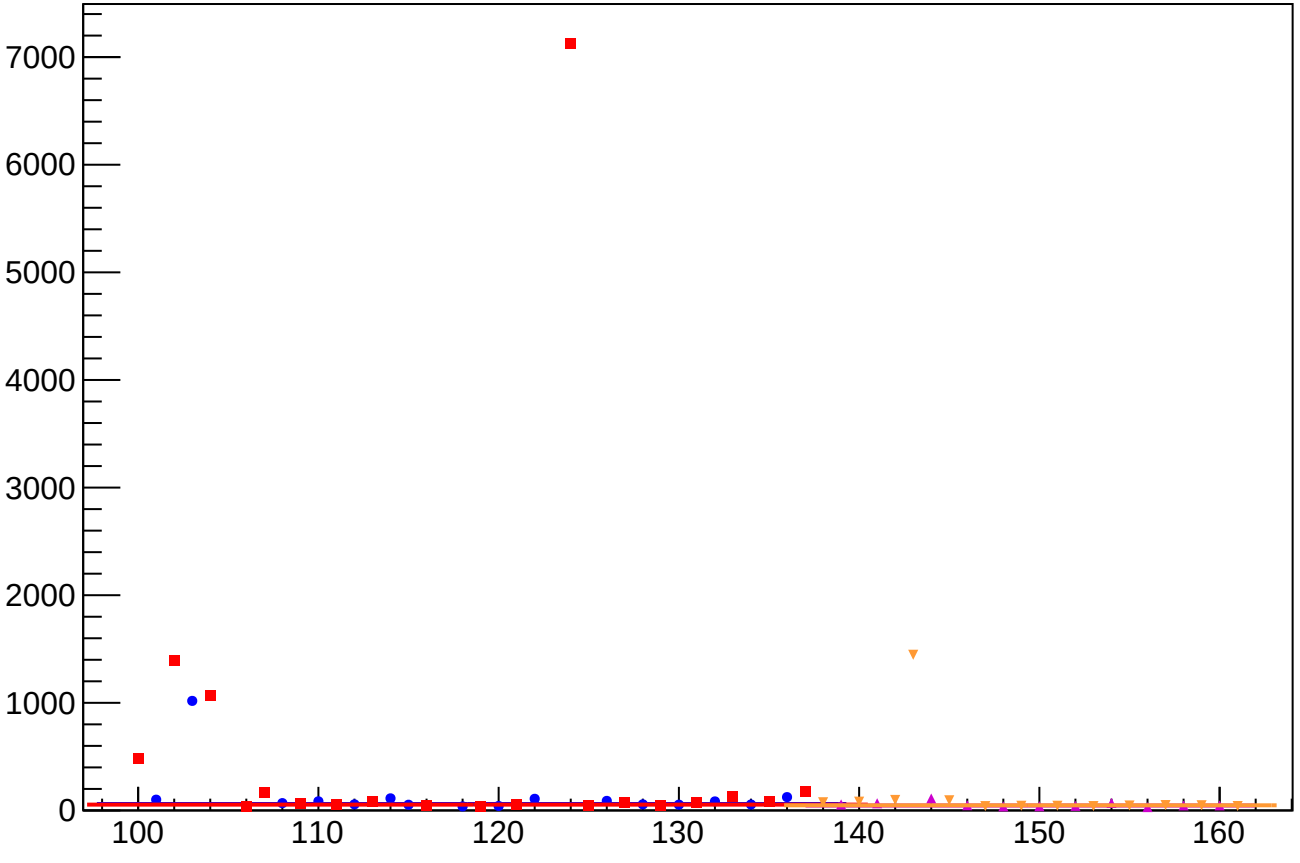
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.006+/-0.014 χ^2/NDF:41.1/31

All: 0.004+/-0.010 χ^2/NDF: 64.6/58

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.902+/-0.012 χ^2/NDF:2670866.8/12

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

Left: 46.784+/-0.009 χ^2/NDF: 4016095.9/23

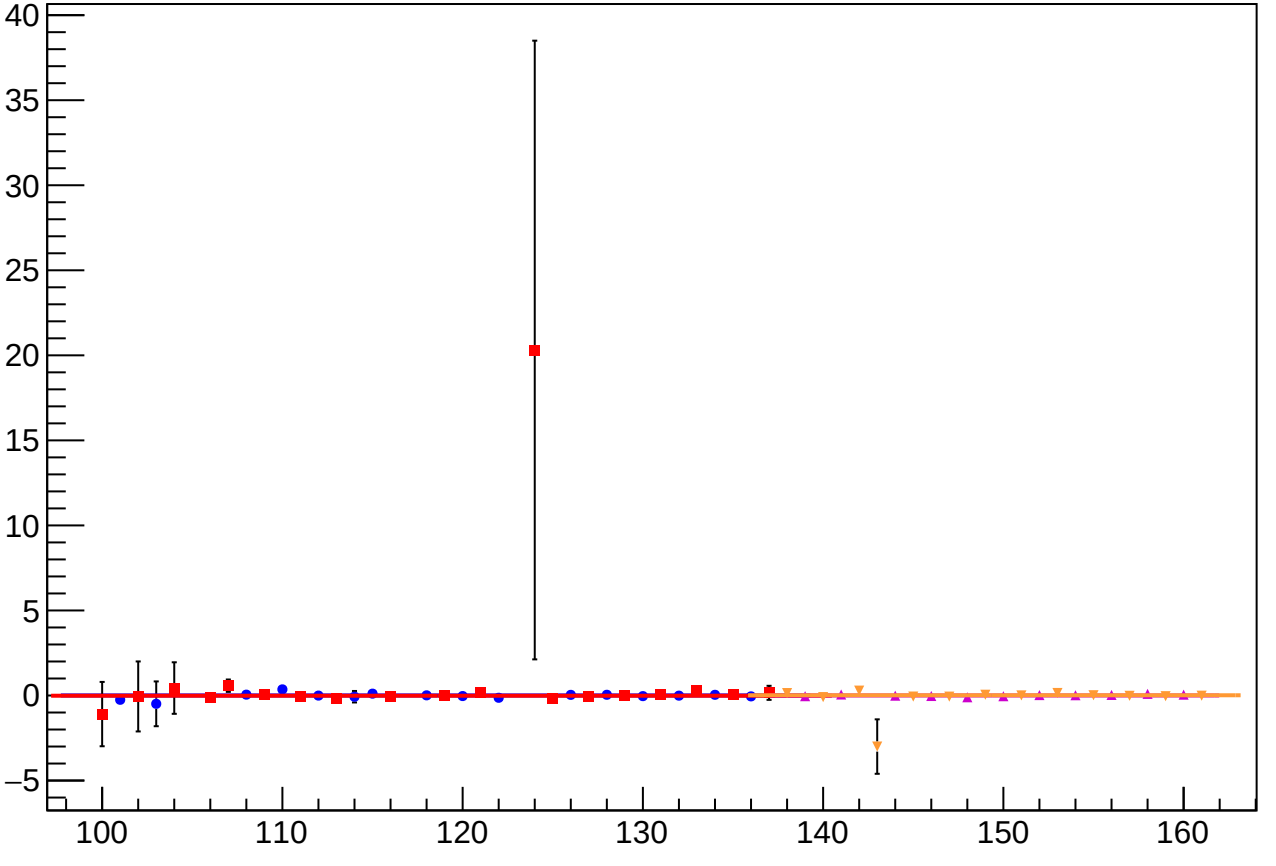
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.716+/-0.010 χ^2/NDF:4267859.3/26

Out: 49.880+/-0.010 χ^2/NDF:6275721.9/31

All: 49.797+/-0.007 χ^2/NDF: 10543711.6/58

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.017 χ^2/NDF:12.1/10

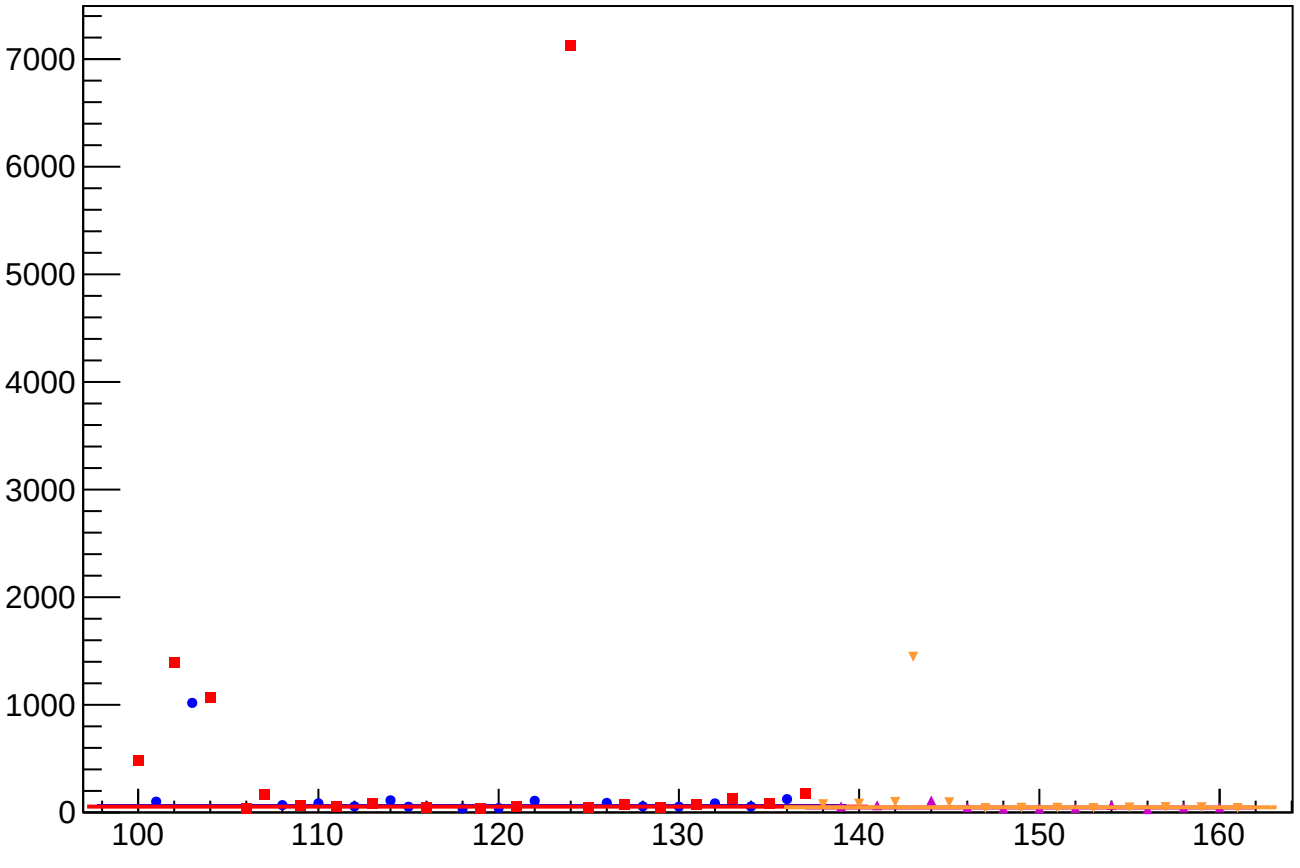
Left: 0.007+/-0.012 χ^2/NDF: 35.1/23

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.014 χ^2/NDF:23.5/26

Out: 0.006+/-0.014 χ^2/NDF:41.1/31

All: 0.004+/-0.010 χ^2/NDF: 64.6/58



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.902+/-0.012 χ^2/NDF:2670866.8/12

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

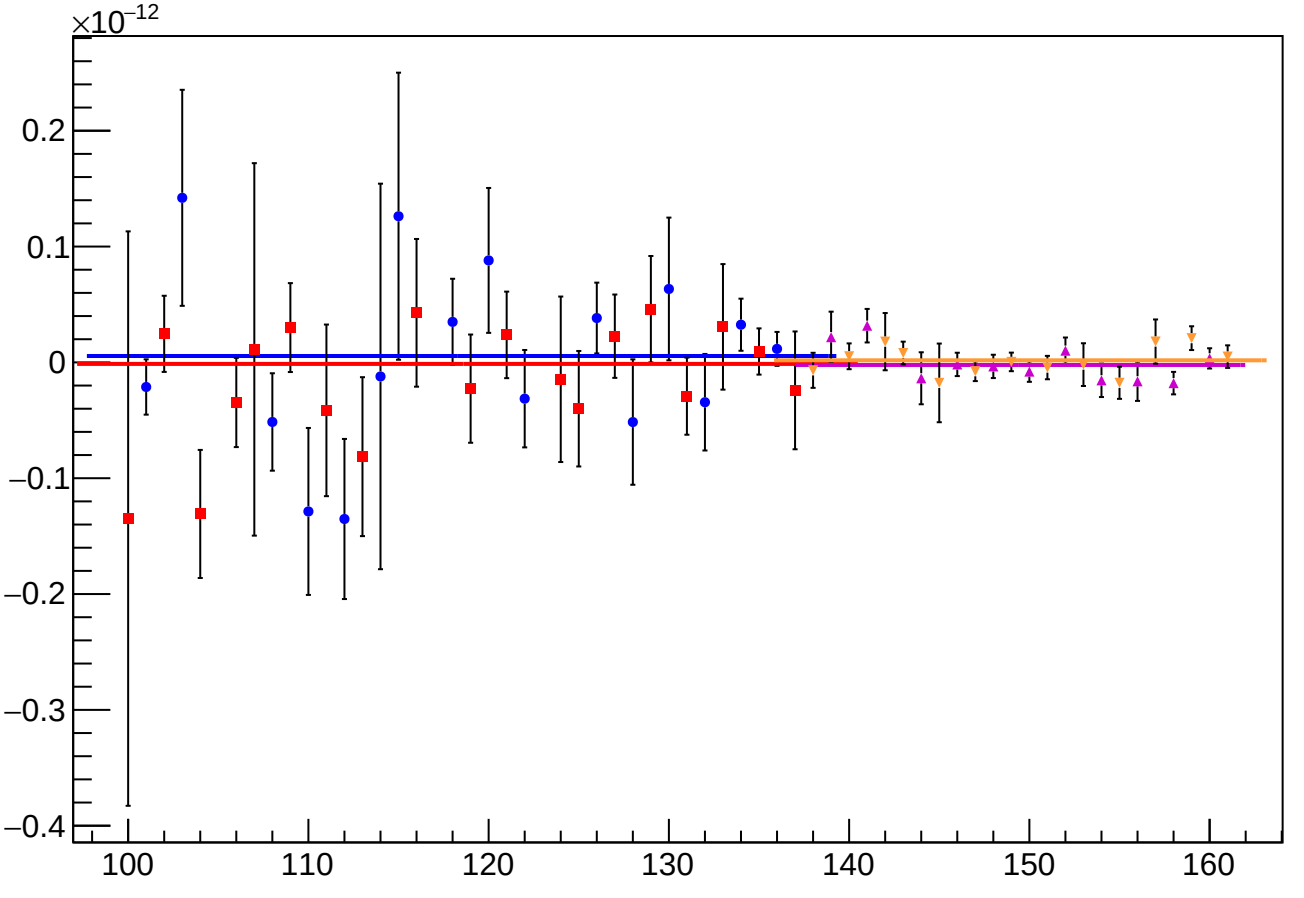
Left: 46.784+/-0.009 χ^2/NDF: 4016095.9/23

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.716+/-0.010 χ^2/NDF:4267859.3/26

Out: 49.880+/-0.010 χ^2/NDF:6275721.9/31

All: 49.797+/-0.007 χ^2/NDF: 10543711.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/10

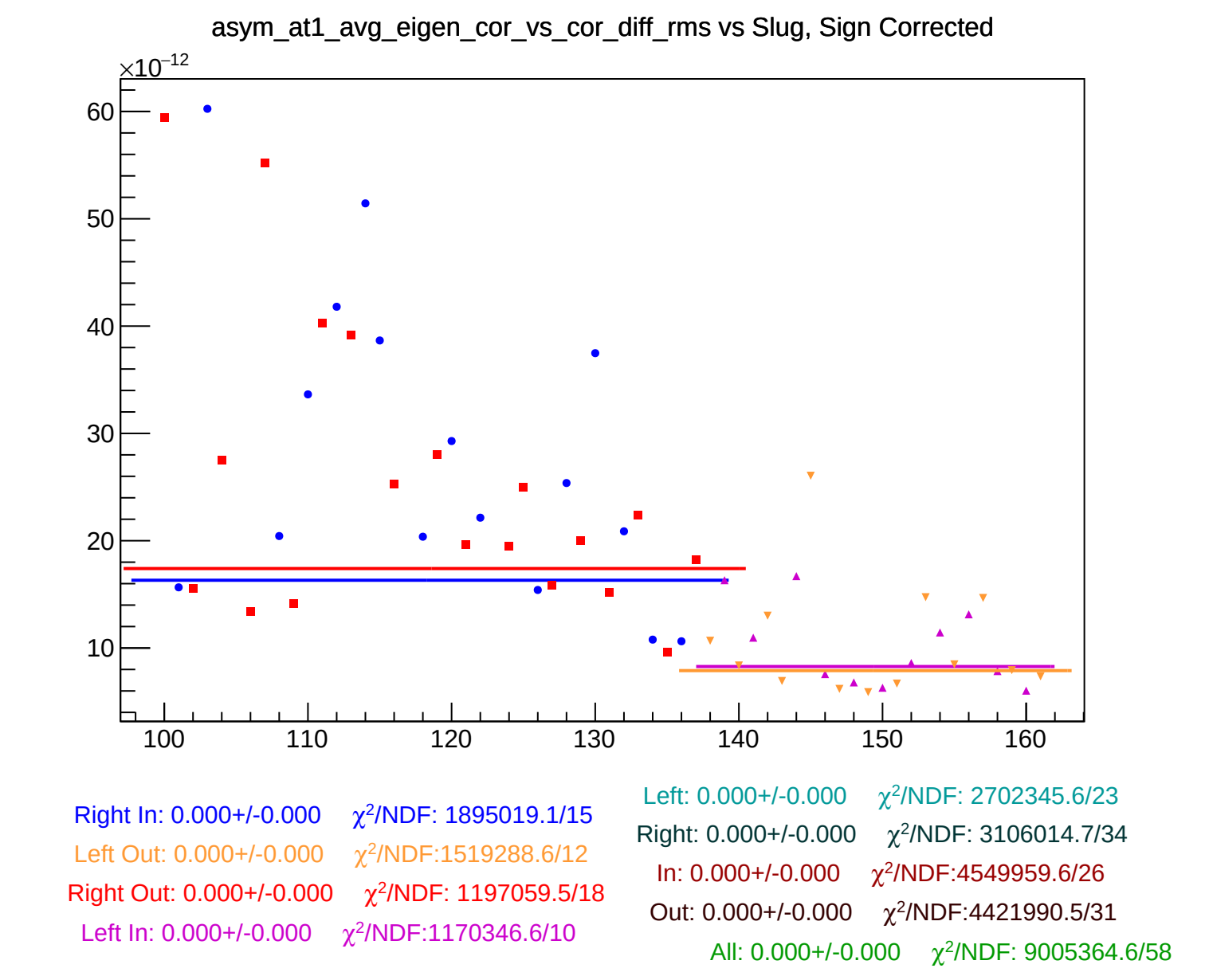
Left: -0.000+/-0.000 χ^2/NDF: 23.4/23

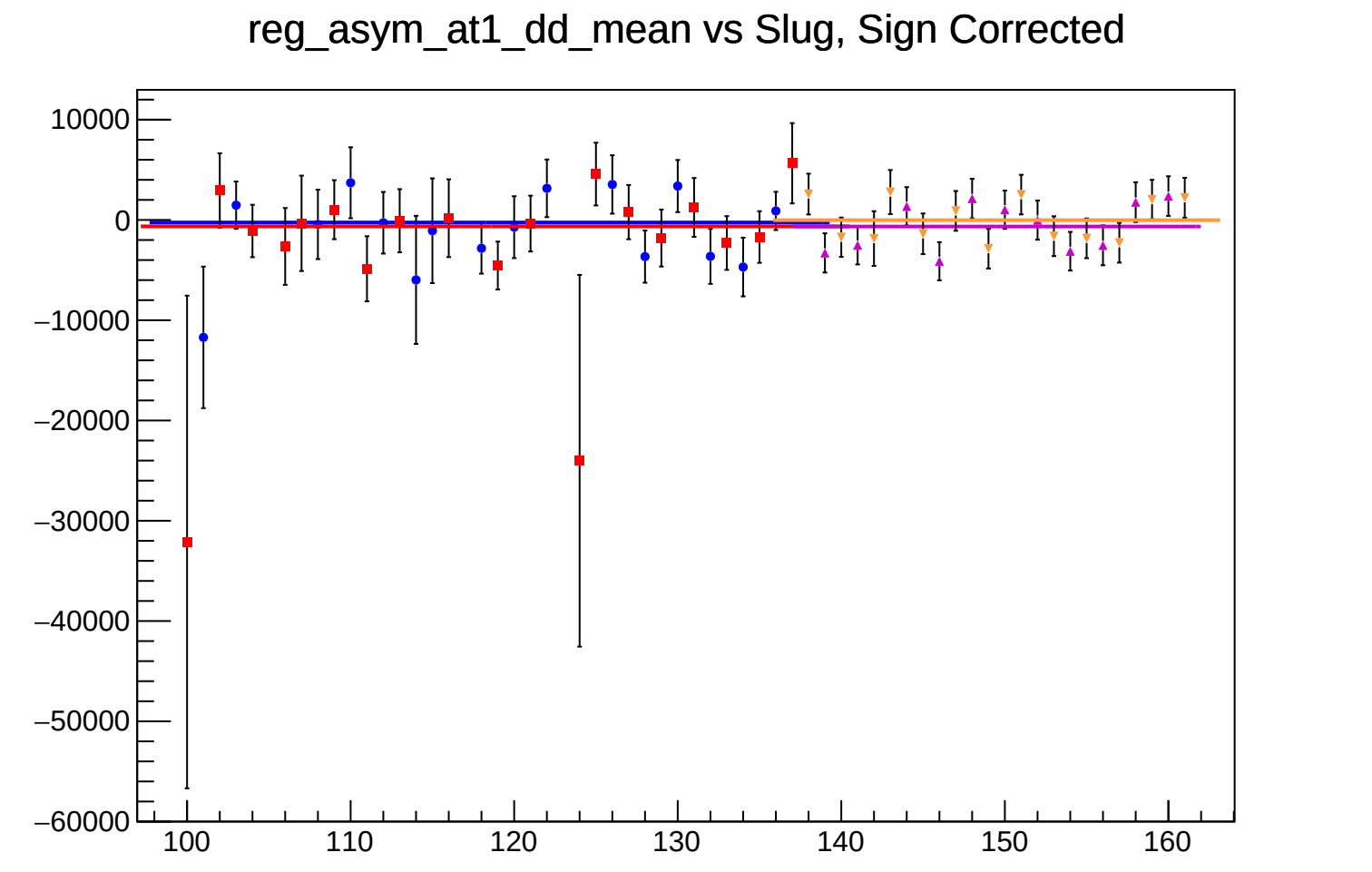
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:36.4/26

Out: 0.000+/-0.000 χ^2/NDF:23.9/31

All: 0.000+/-0.000 χ^2/NDF: 60.7/58


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1519288.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1170346.6/10
Left: 0.000+/-0.000 χ²/NDF: 2702345.6/23
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4549959.6/26
Out: 0.000+/-0.000 χ²/NDF:4421990.5/31
All: 0.000+/-0.000 χ²/NDF: 9005364.6/58



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -18.879+/-565.550 χ^2/NDF:14.0/12

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -654.706+/-586.273 χ^2/NDF:16.4/10

Left: -325.357+/-407.033 χ^2/NDF: 31.0/23

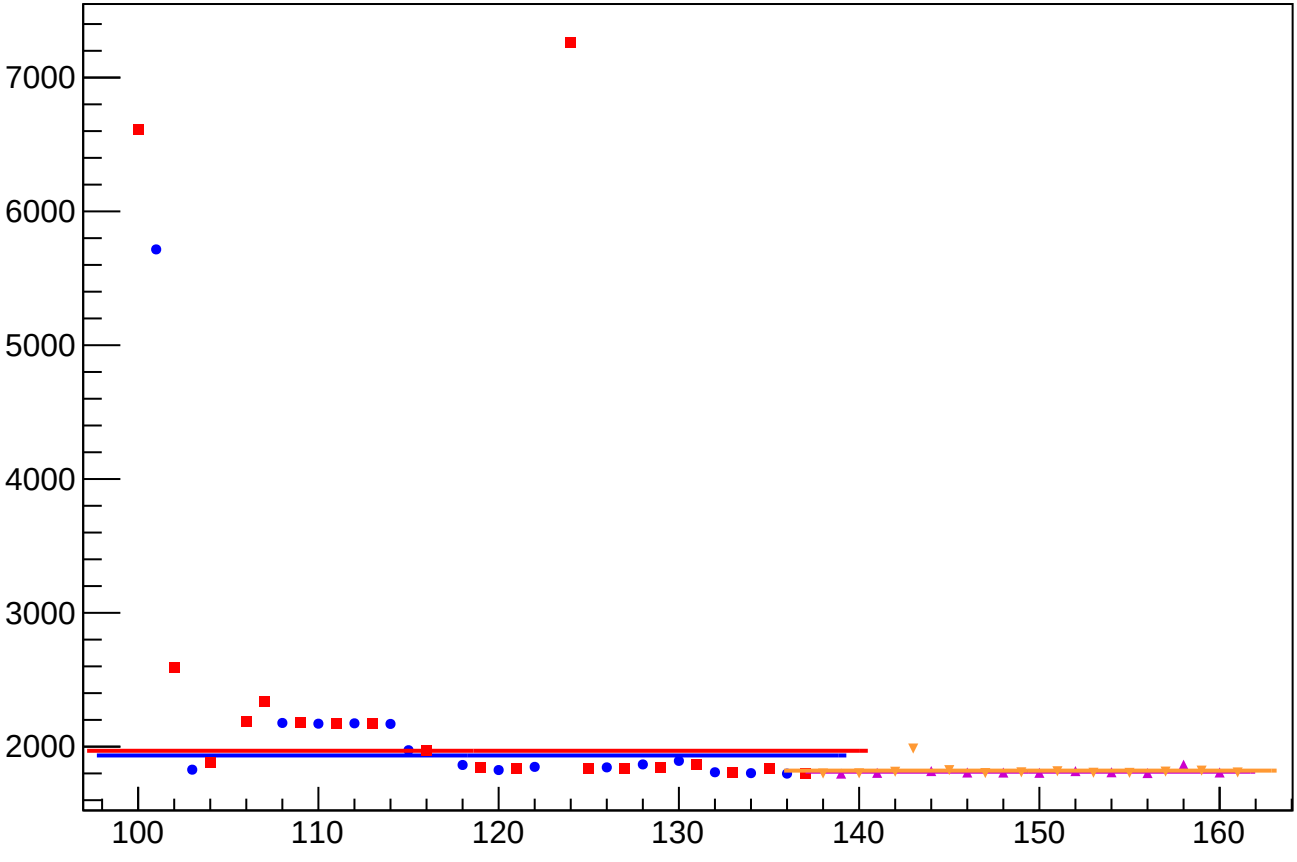
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -497.872+/-458.354 χ^2/NDF:33.9/26

Out: -248.220+/-448.328 χ^2/NDF:30.3/31

All: -370.285+/-320.502 χ^2/NDF: 64.4/58

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1820.975+/-0.400 χ^2/NDF:12404.6/12

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

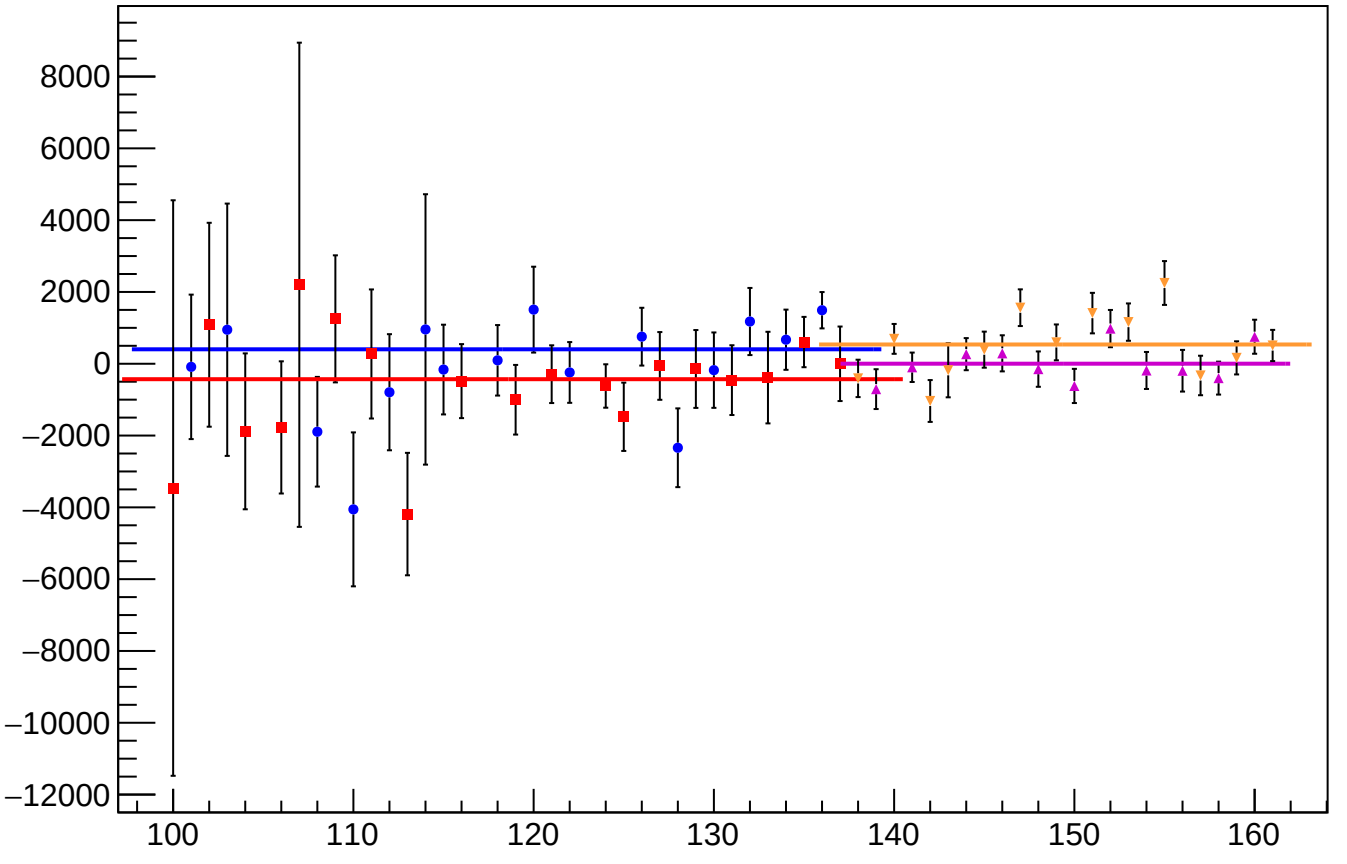
Left: 1816.953+/-0.288 χ^2/NDF: 14332.9/23

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1859.900+/-0.324 χ^2/NDF:675080.5/26

Out: 1876.055+/-0.317 χ^2/NDF:441834.7/31

All: 1868.156+/-0.227 χ^2/NDF: 1118184.8/58



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 536.687+/-143.177 χ^2/NDF:30.6/12

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: 1.542+/-146.878 χ^2/NDF:11.2/10

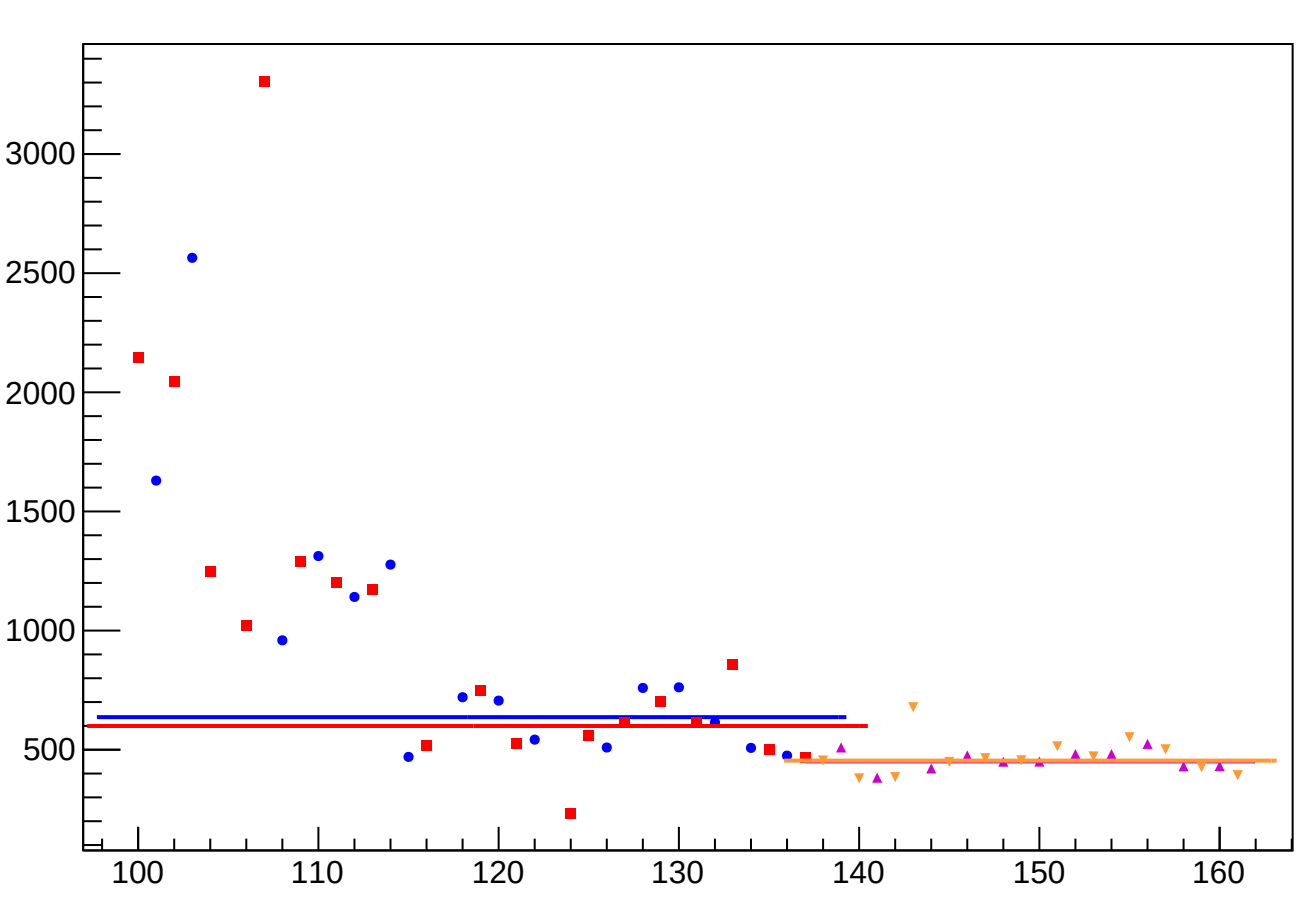
Left: 275.941+/-102.525 χ^2/NDF: 48.6/23

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 99.386+/-127.712 χ^2/NDF:34.2/26

Out: 301.928+/-124.586 χ^2/NDF:53.4/31

All: 203.166+/-89.181 χ^2/NDF: 88.9/58



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 454.324+/-0.101 χ^2/NDF:408154.2/12

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 450.823+/-0.104 χ^2/NDF:145081.8/10

Left: 452.619+/-0.072 χ^2/NDF: 553818.6/23

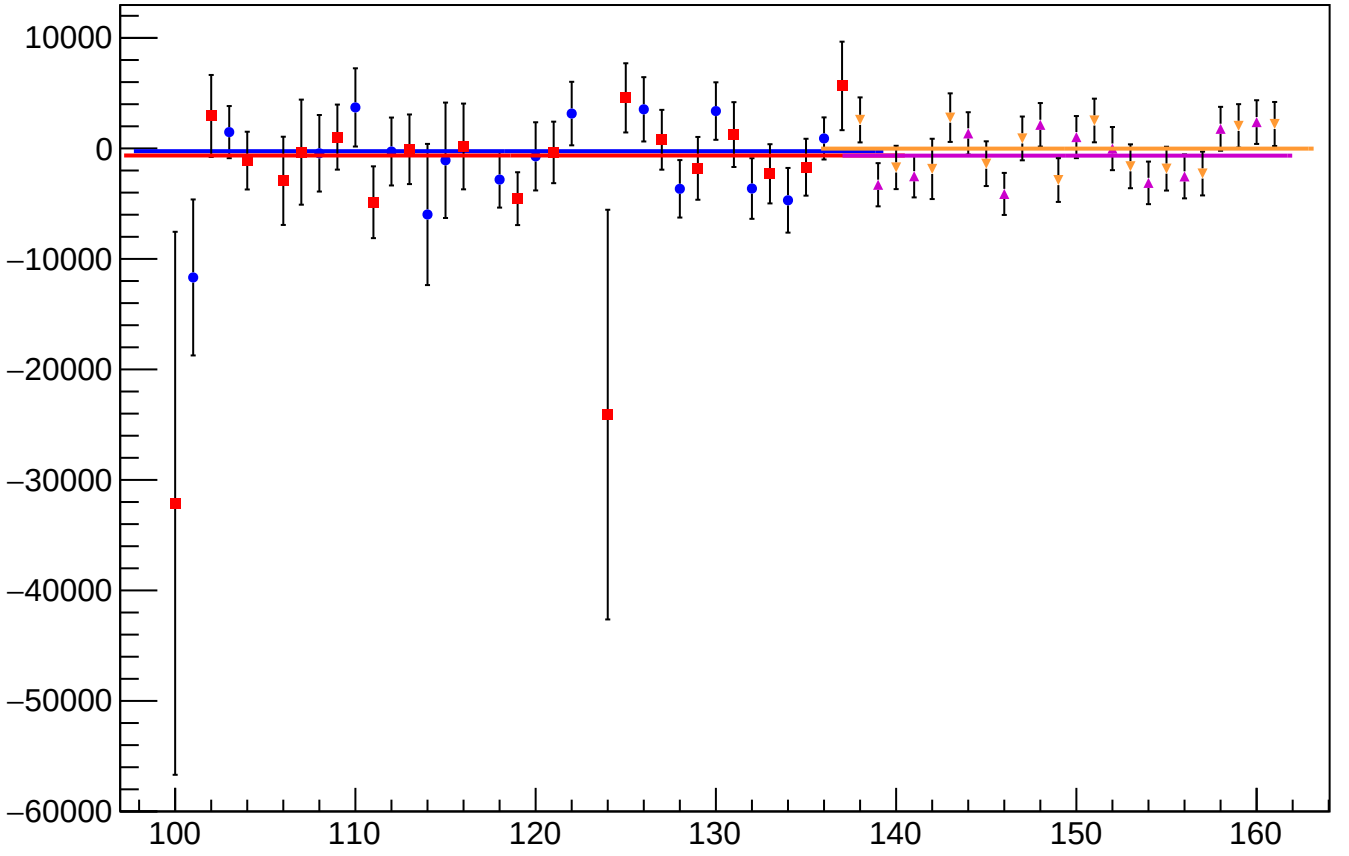
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 496.168+/-0.090 χ^2/NDF:2993350.9/26

Out: 489.609+/-0.088 χ^2/NDF:3852473.8/31

All: 492.807+/-0.063 χ^2/NDF: 6848526.8/58

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -18.941+/-565.550 χ^2/NDF:14.0/12

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -654.638+/-586.273 χ^2/NDF:16.4/10

Left: -325.356+/-407.033 χ^2/NDF: 31.0/23

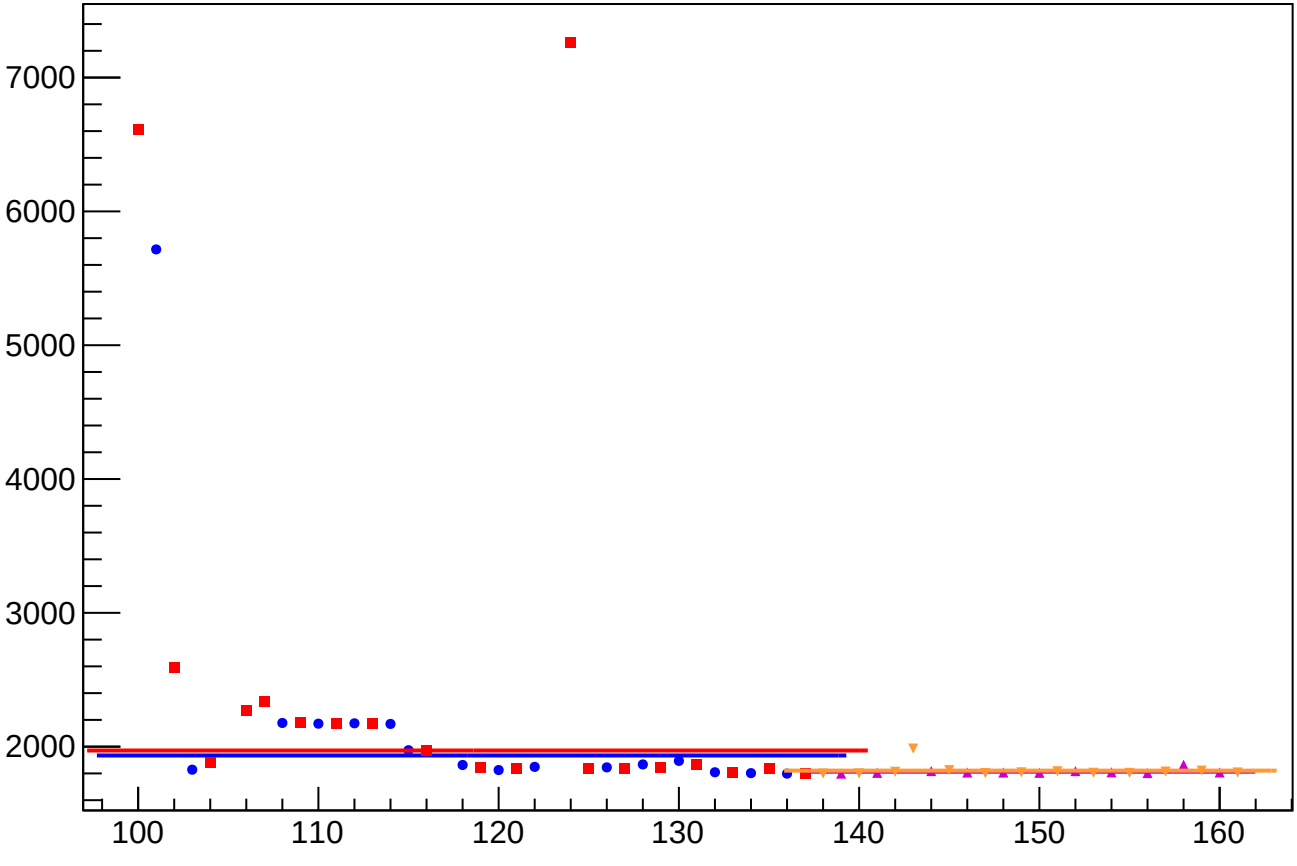
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -497.515+/-458.354 χ^2/NDF:33.9/26

Out: -249.613+/-448.570 χ^2/NDF:30.4/31

All: -370.890+/-320.590 χ^2/NDF: 64.4/58

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.976+/-0.400 χ^2/NDF:12404.6/12

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

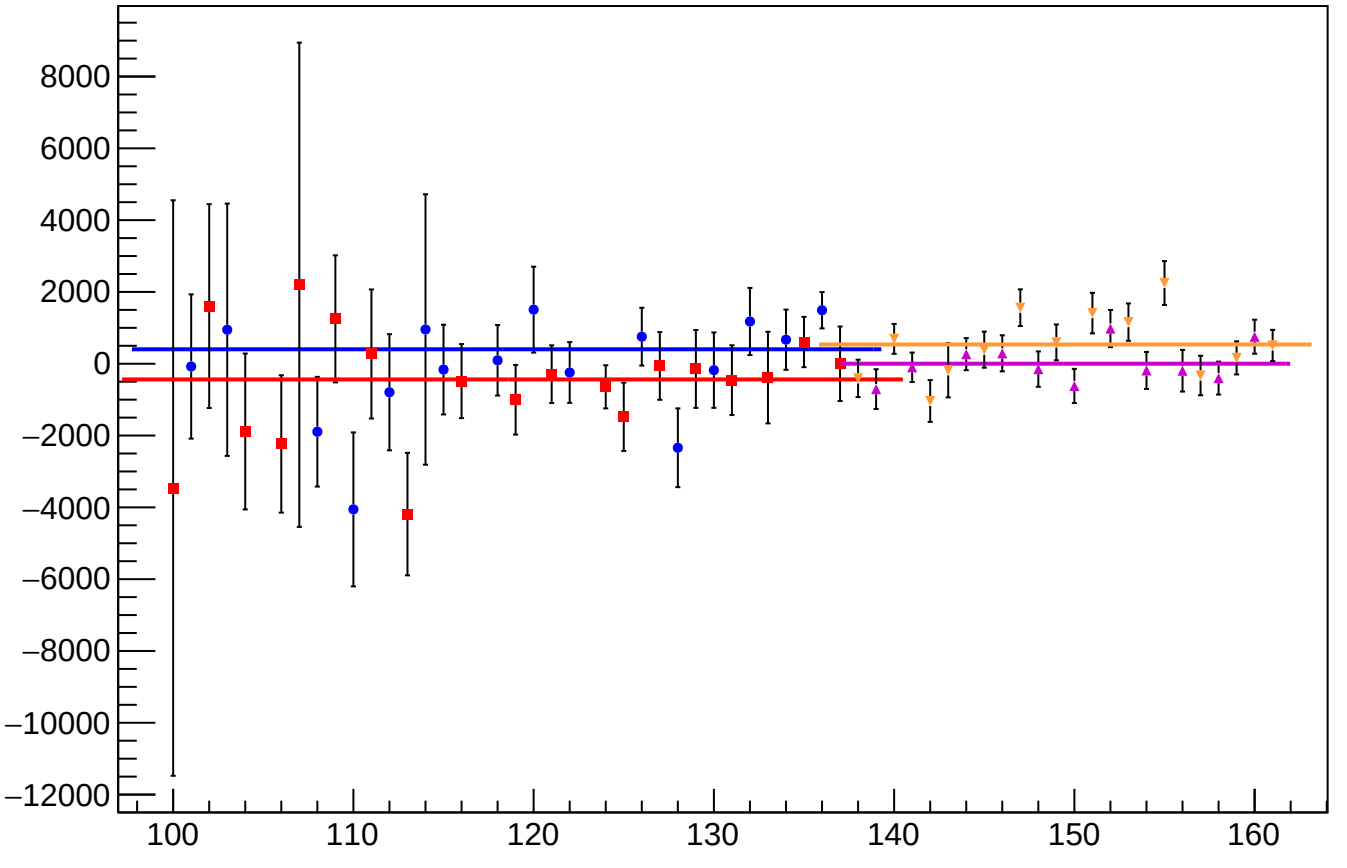
Left: 1816.953+/-0.288 χ^2/NDF: 14332.9/23

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1859.900+/-0.324 χ^2/NDF:675080.4/26

Out: 1876.752+/-0.317 χ^2/NDF:448029.9/31

All: 1868.508+/-0.227 χ^2/NDF: 1124491.3/58



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 536.633+/-143.177 χ^2/NDF:30.6/12

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 1.571+/-146.877 χ^2/NDF:11.2/10

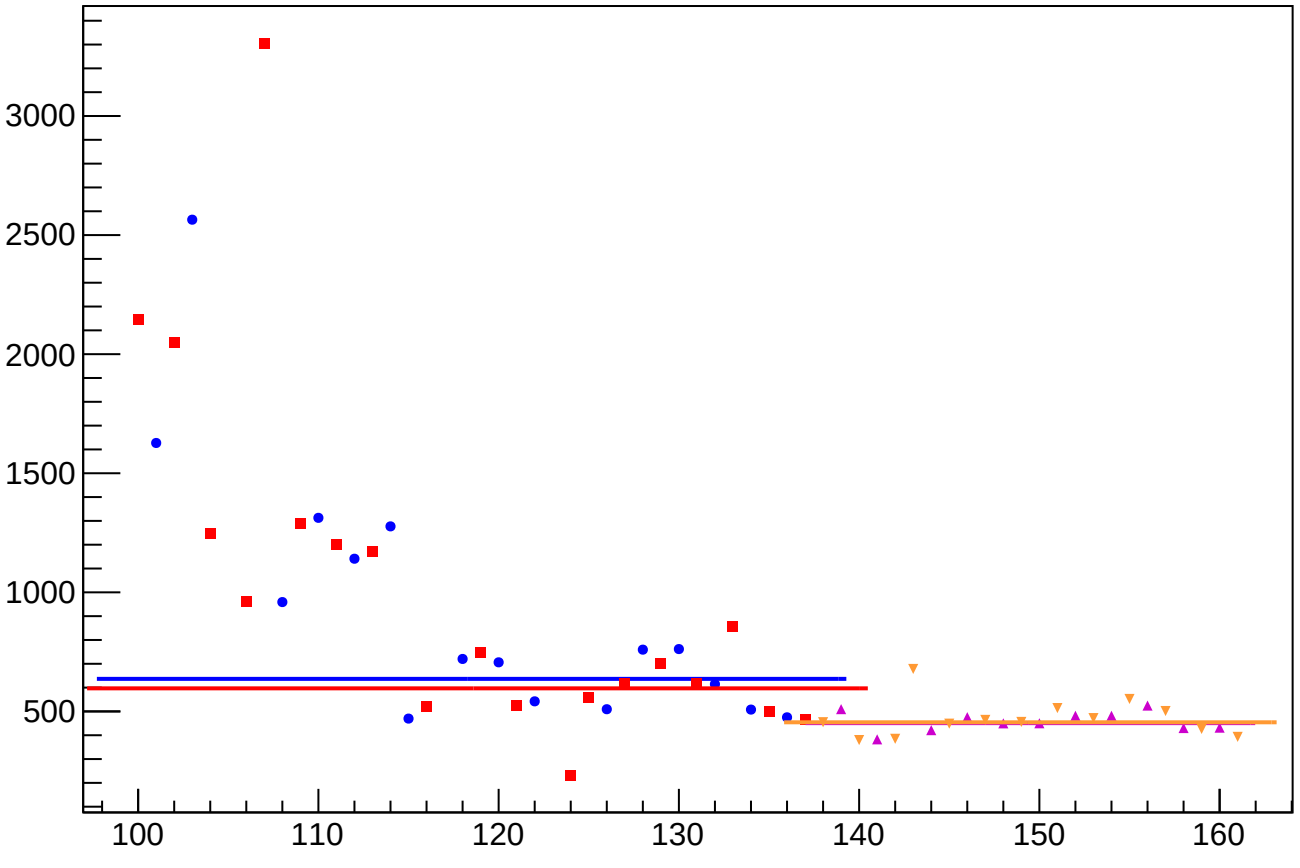
Left: 275.925+/-102.525 χ^2/NDF: 48.6/23

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 99.430+/-127.710 χ^2/NDF:34.2/26

Out: 300.065+/-124.568 χ^2/NDF:54.2/31

All: 202.246+/-89.173 χ^2/NDF: 89.6/58



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.324+/-0.101 χ^2/NDF:408133.3/12

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

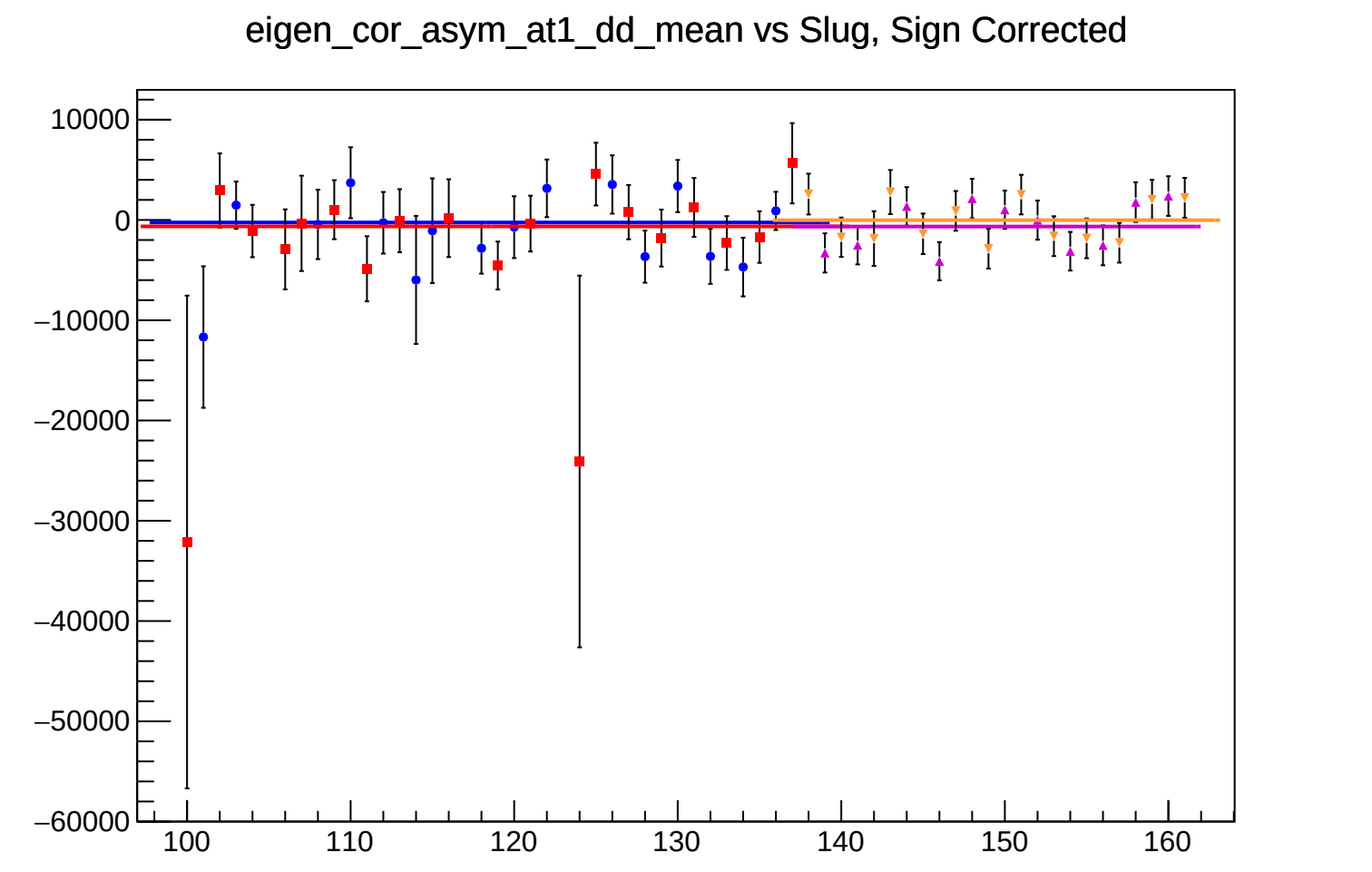
Left: 452.616+/-0.072 χ^2/NDF: 553805.9/23

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 496.166+/-0.090 χ^2/NDF:2992560.7/26

Out: 488.968+/-0.088 χ^2/NDF:3820347.9/31

All: 492.477+/-0.063 χ^2/NDF: 6816164.3/58



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -18.941+/-565.550 χ^2/NDF:14.0/12

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -654.638+/-586.273 χ^2/NDF:16.4/10

Left: -325.356+/-407.033 χ^2/NDF: 31.0/23

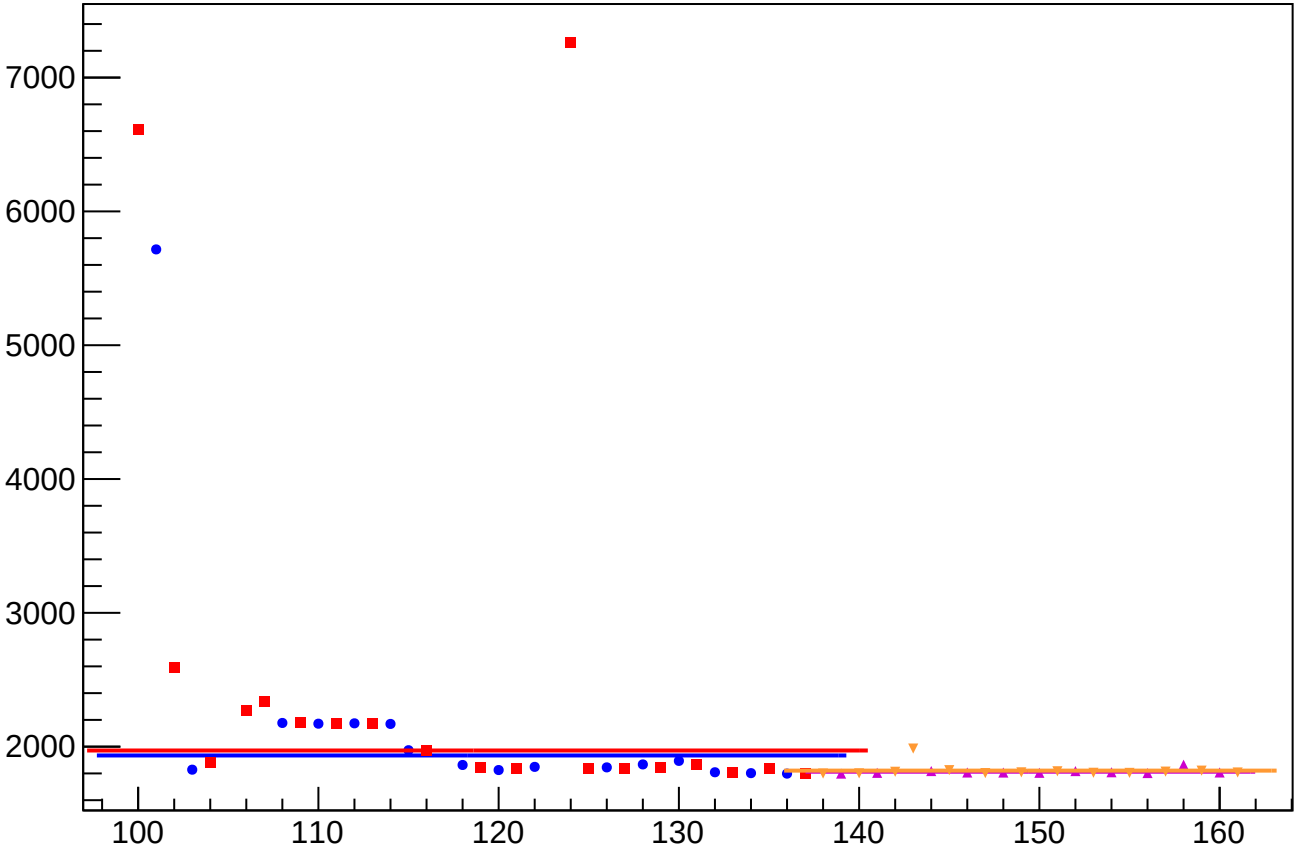
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -497.515+/-458.354 χ^2/NDF:33.9/26

Out: -249.613+/-448.570 χ^2/NDF:30.4/31

All: -370.890+/-320.590 χ^2/NDF: 64.4/58

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.976+/-0.400 χ^2/NDF:12404.6/12

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

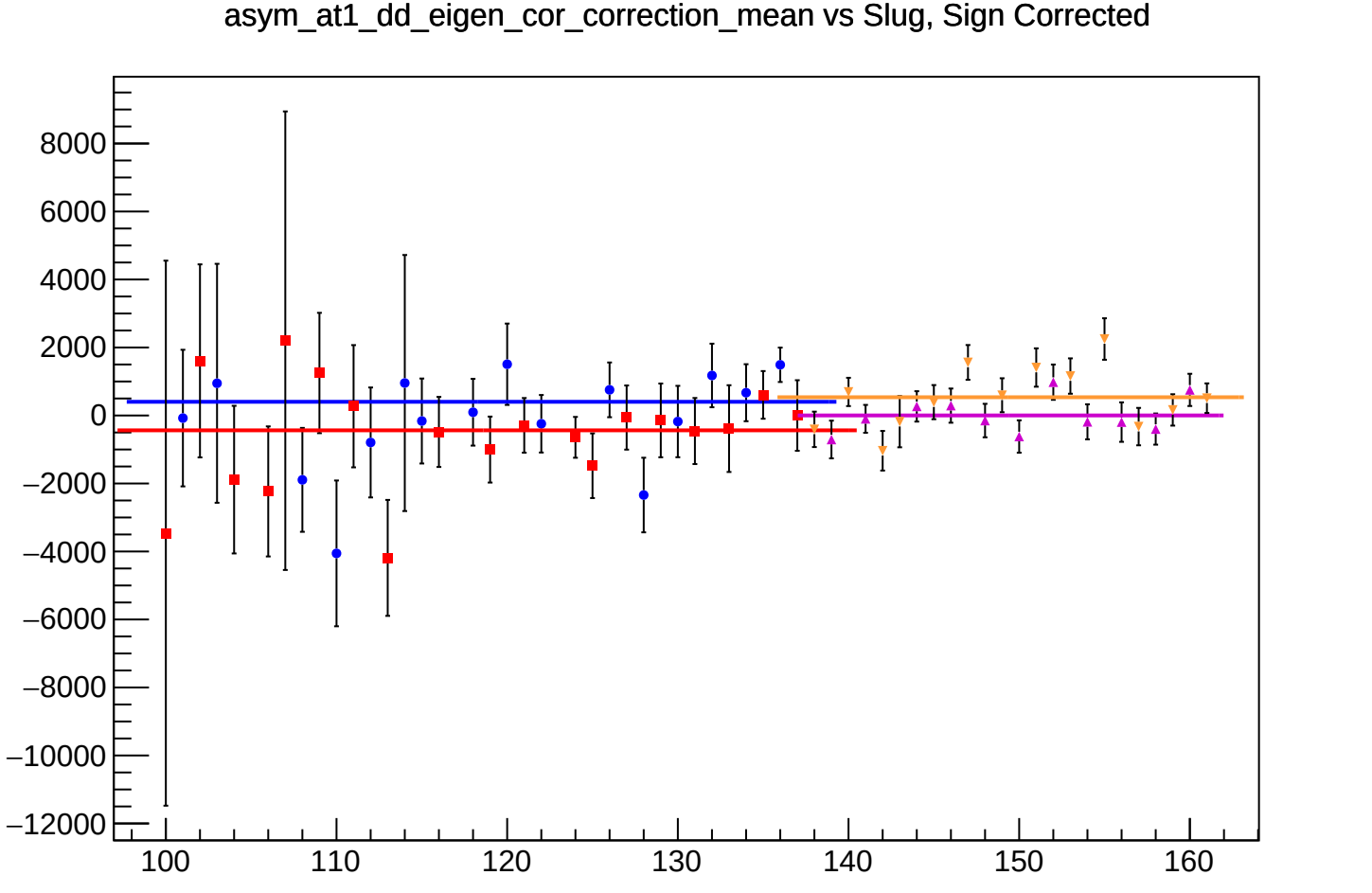
Left: 1816.953+/-0.288 χ^2/NDF: 14332.9/23

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1859.900+/-0.324 χ^2/NDF:675080.4/26

Out: 1876.752+/-0.317 χ^2/NDF:448029.9/31

All: 1868.508+/-0.227 χ^2/NDF: 1124491.3/58



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 536.633+/-143.177 χ^2/NDF:30.6/12

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 1.571+/-146.877 χ^2/NDF:11.2/10

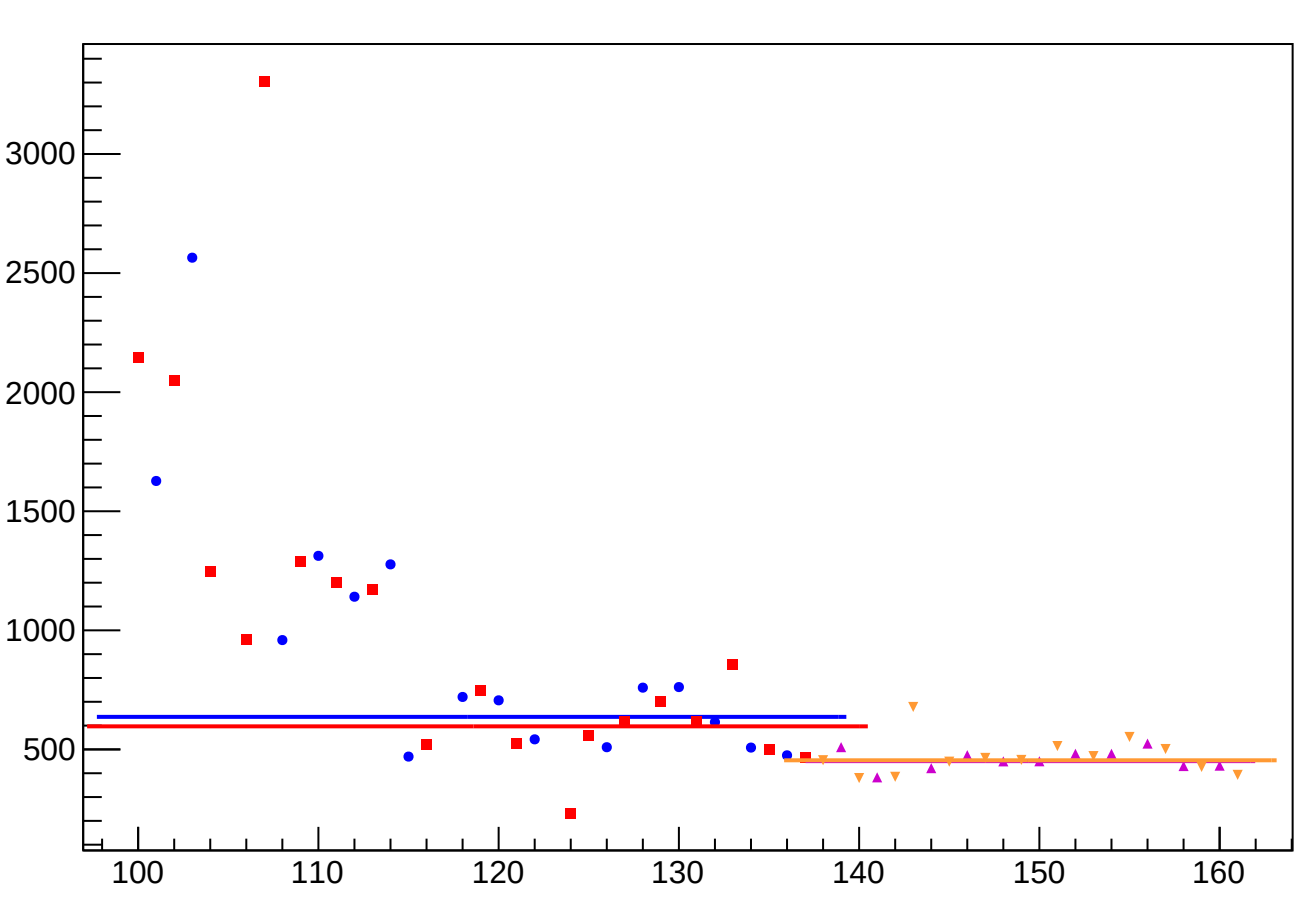
Left: 275.925+/-102.525 χ^2/NDF: 48.6/23

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 99.430+/-127.710 χ^2/NDF:34.2/26

Out: 300.065+/-124.568 χ^2/NDF:54.2/31

All: 202.246+/-89.173 χ^2/NDF: 89.6/58



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.324+/-0.101 χ^2/NDF:408133.3/12

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

Left: 452.616+/-0.072 χ^2/NDF: 553805.9/23

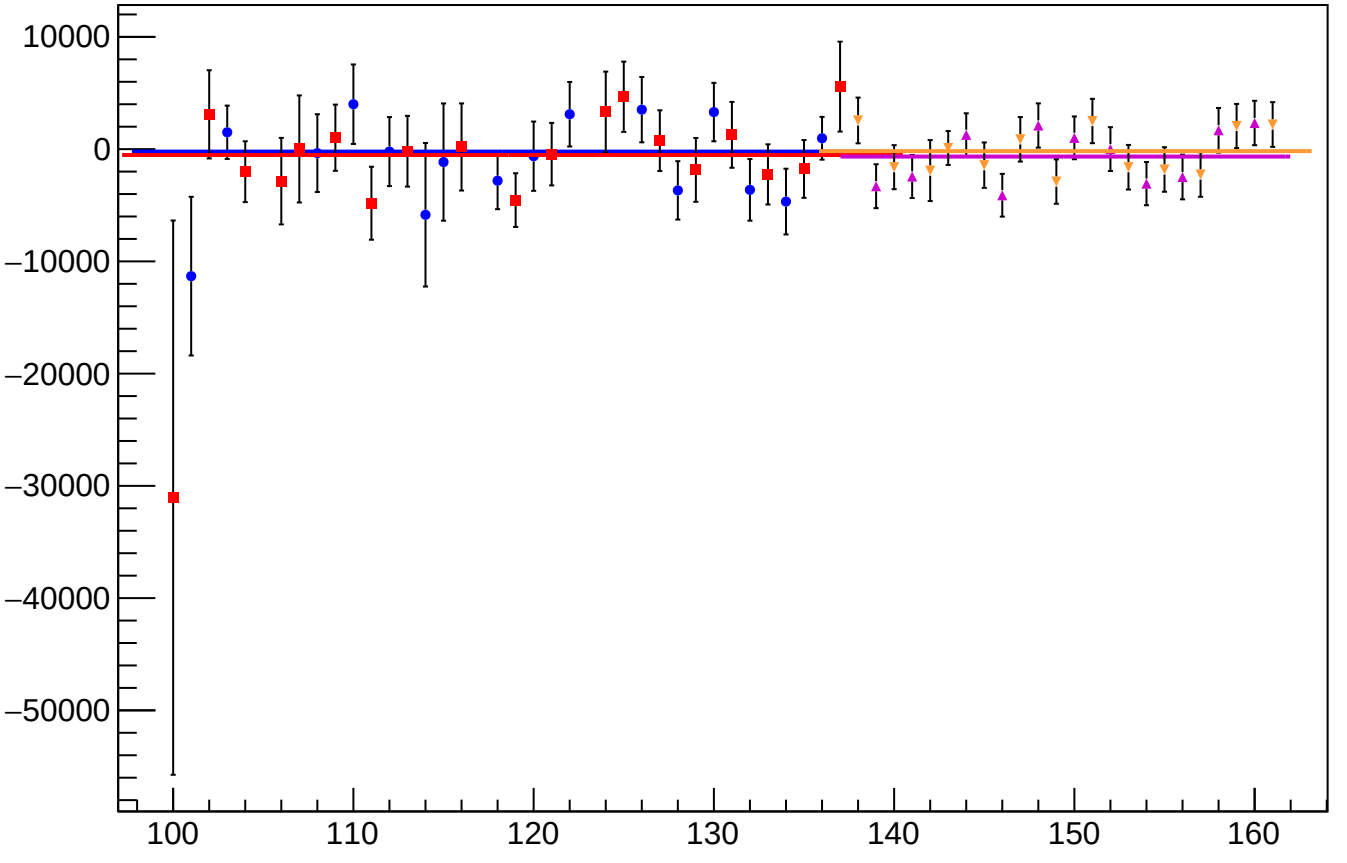
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 496.166+/-0.090 χ^2/NDF:2992560.7/26

Out: 488.968+/-0.088 χ^2/NDF:3820347.9/31

All: 492.477+/-0.063 χ^2/NDF: 6816164.3/58

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -176.847+/-545.748 χ^2/NDF:12.2/12

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -661.483+/-586.466 χ^2/NDF:15.9/10

Left: -401.758+/-399.522 χ^2/NDF: 28.5/23

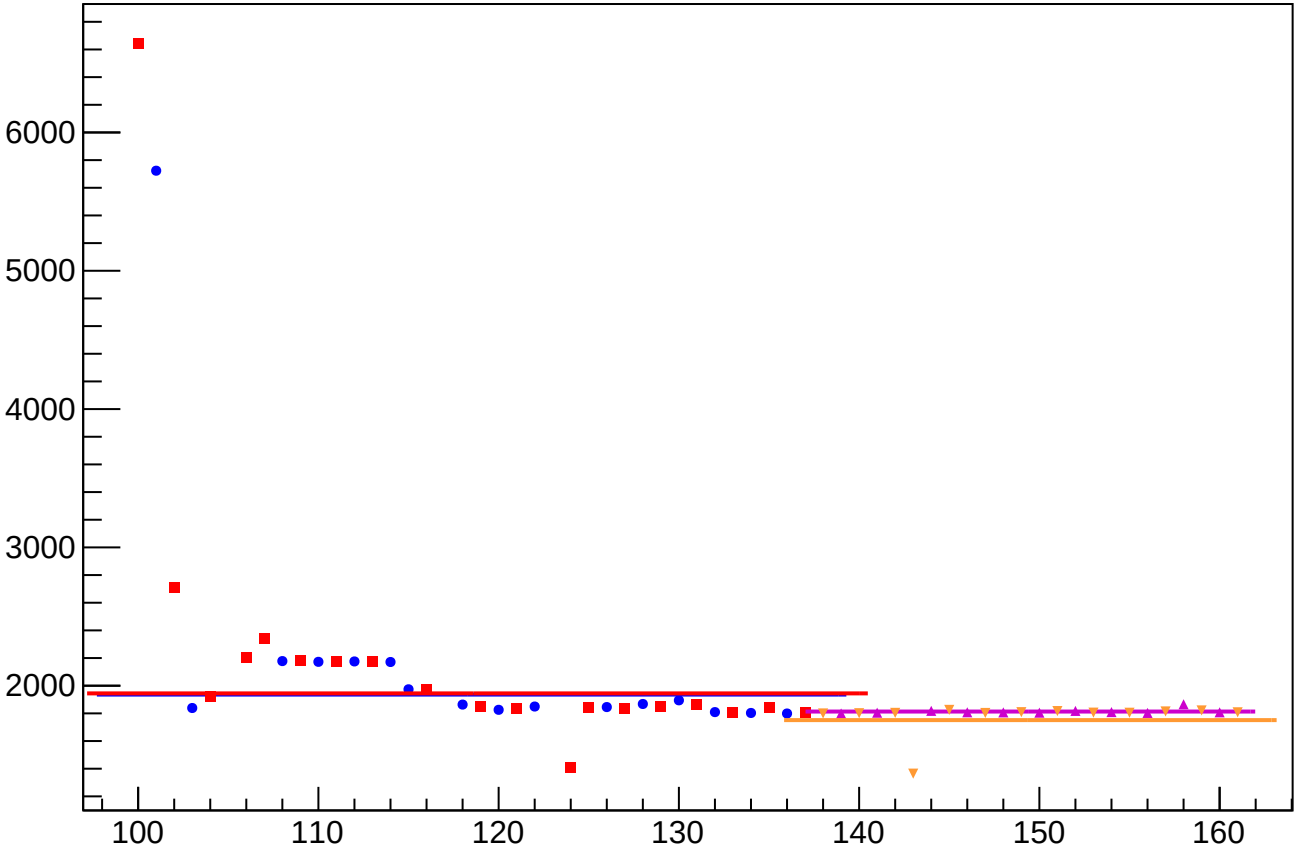
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -490.151+/-458.635 χ^2/NDF:33.2/26

Out: -301.063+/-436.017 χ^2/NDF:27.9/31

All: -390.830+/-316.004 χ^2/NDF: 61.3/58

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1751.266+/-0.386 χ^2/NDF:151517.6/12

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

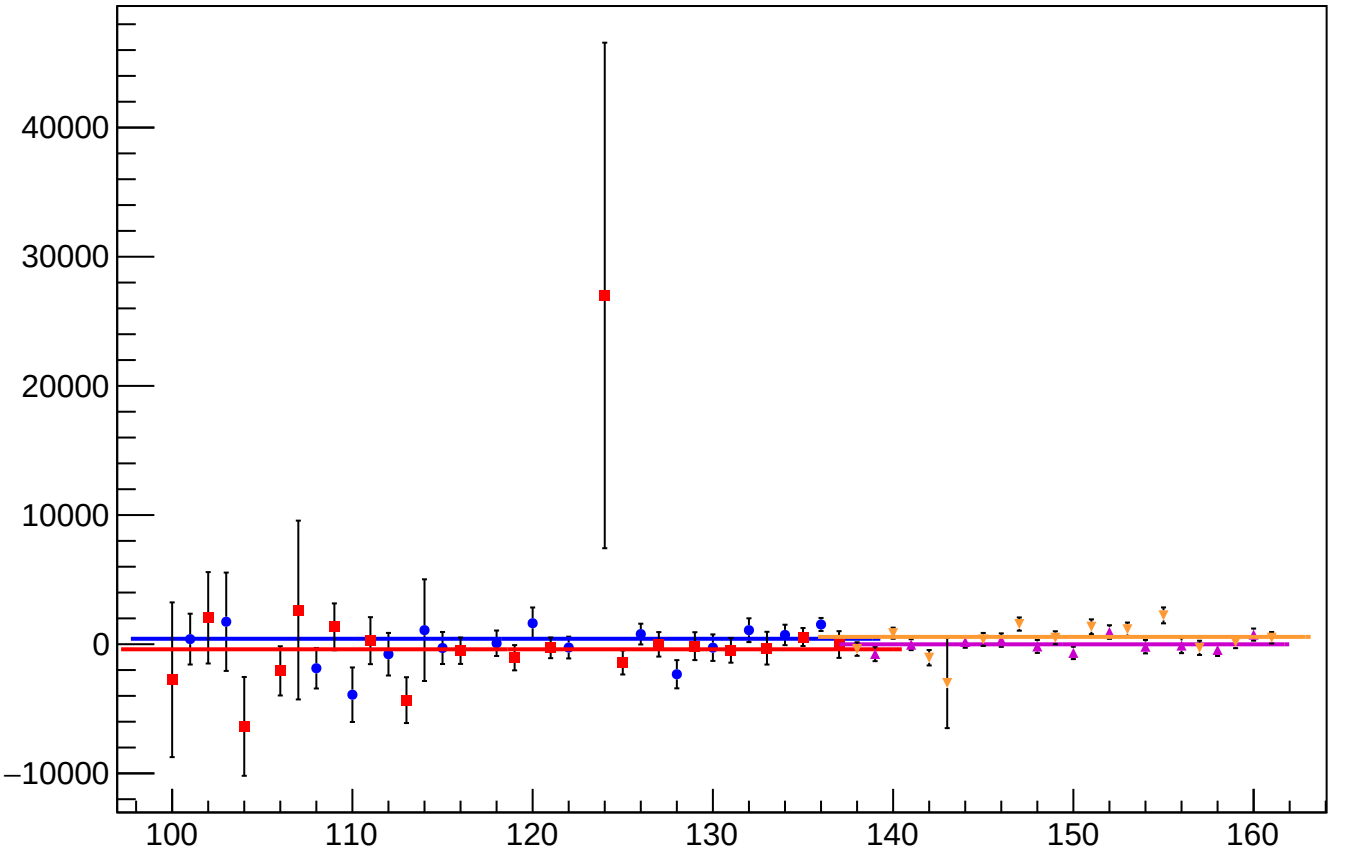
Left: 1780.022+/-0.283 χ^2/NDF: 165196.5/23

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1860.907+/-0.324 χ^2/NDF:675551.9/26

Out: 1821.158+/-0.308 χ^2/NDF:518427.7/31

All: 1840.028+/-0.223 χ^2/NDF: 1201870.4/58



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 566.293+/-147.658 χ^2/NDF:29.5/12

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -7.789+/-149.239 χ^2/NDF:11.1/10

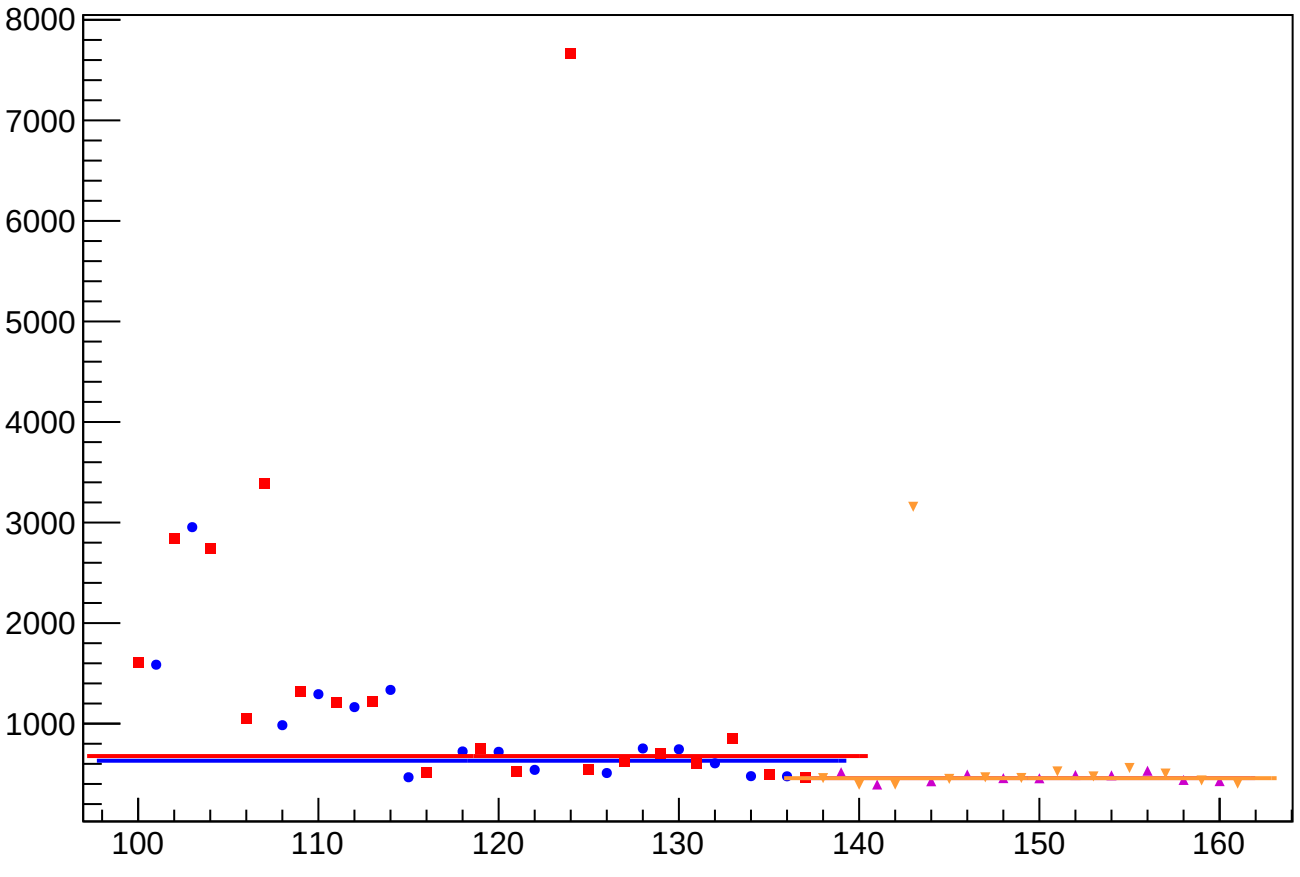
Left: 282.308+/-104.965 χ^2/NDF: 48.1/23

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 100.535+/-129.026 χ^2/NDF:34.7/26

Out: 356.922+/-130.565 χ^2/NDF:54.6/31

All: 227.208+/-91.774 χ^2/NDF: 91.2/58



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 457.512+/-0.104 χ^2/NDF:1395795.1/12

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 458.567+/-0.106 χ^2/NDF:140531.6/10

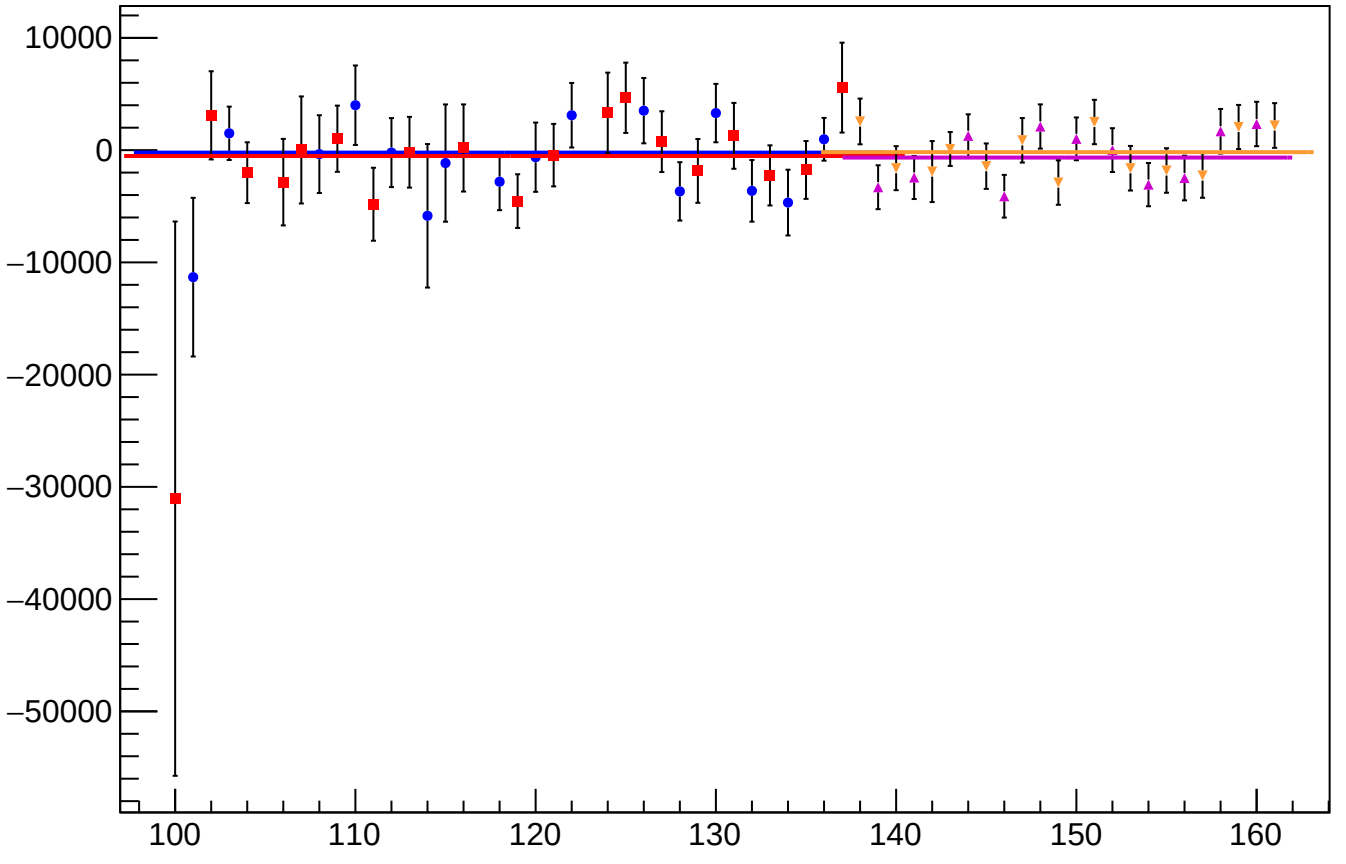
Left: 458.034+/-0.074 χ^2/NDF: 1536377.2/23

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 502.149+/-0.091 χ^2/NDF:3050379.5/26

Out: 505.482+/-0.092 χ^2/NDF:5445115.5/31

All: 503.796+/-0.065 χ^2/NDF: 8496154.5/58



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -176.848+/-545.748 χ^2/NDF:12.2/12

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -661.482+/-586.466 χ^2/NDF:15.9/10

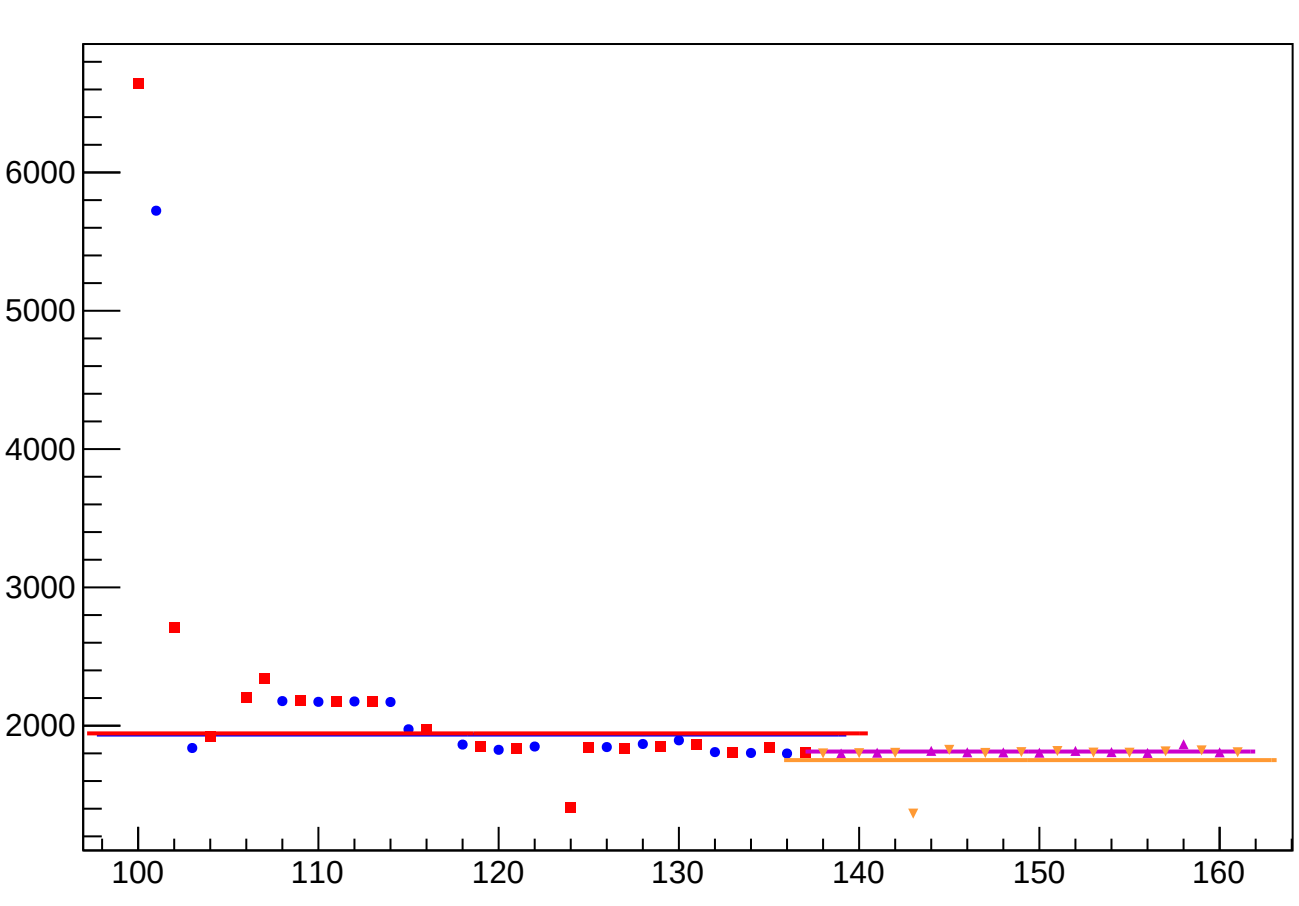
Left: -401.759+/-399.522 χ^2/NDF: 28.5/23

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -490.151+/-458.635 χ^2/NDF:33.2/26

Out: -301.064+/-436.017 χ^2/NDF:27.9/31

All: -390.830+/-316.004 χ^2/NDF: 61.3/58



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1751.266+/-0.386 χ^2/NDF:151517.6/12

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

Left: 1780.022+/-0.283 χ^2/NDF: 165196.5/23

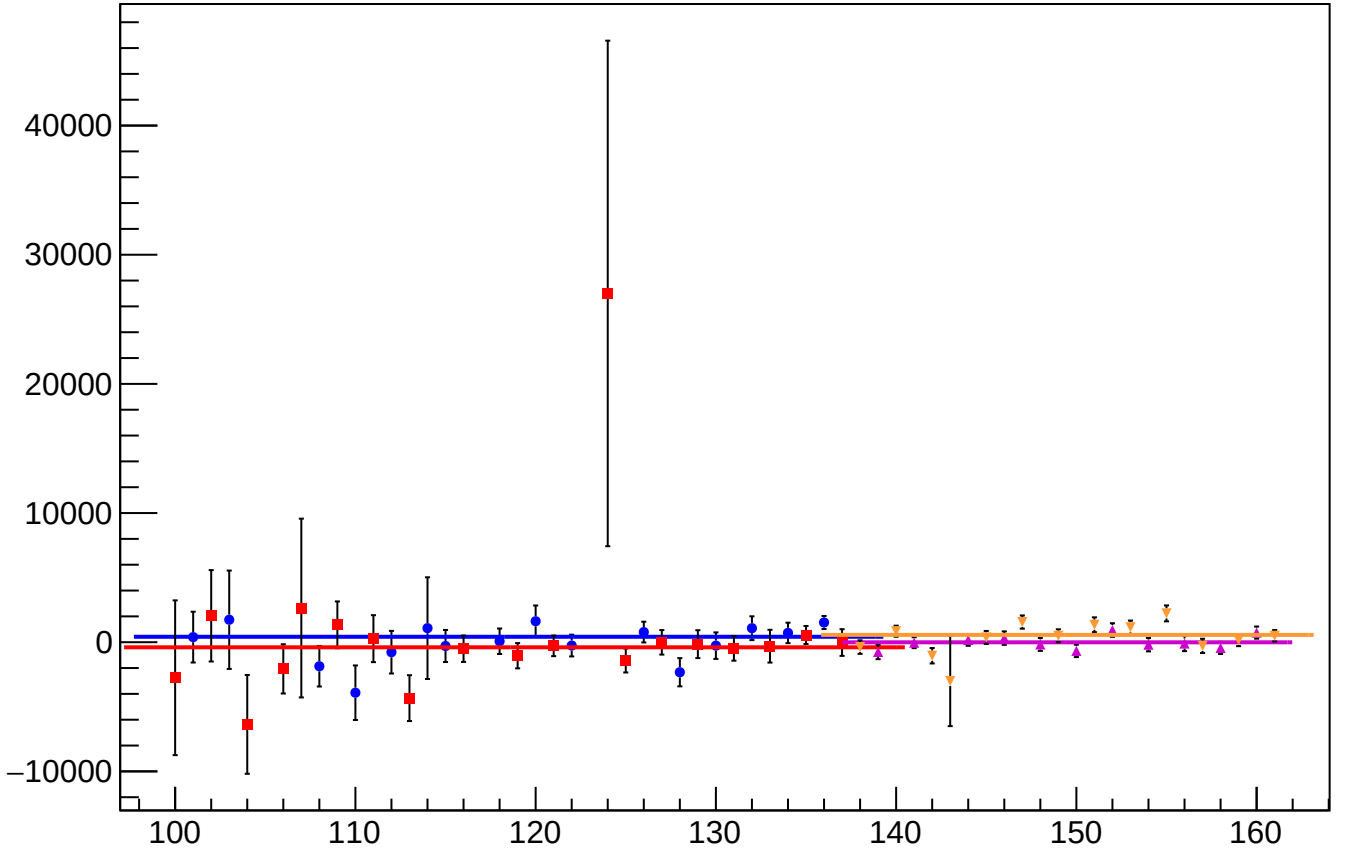
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1860.907+/-0.324 χ^2/NDF:675551.9/26

Out: 1821.158+/-0.308 χ^2/NDF:518427.5/31

All: 1840.028+/-0.223 χ^2/NDF: 1201870.2/58

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 566.292+/-147.658 χ^2/NDF:29.5/12

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -7.788+/-149.239 χ^2/NDF:11.1/10

Left: 282.308+/-104.964 χ^2/NDF: 48.1/23

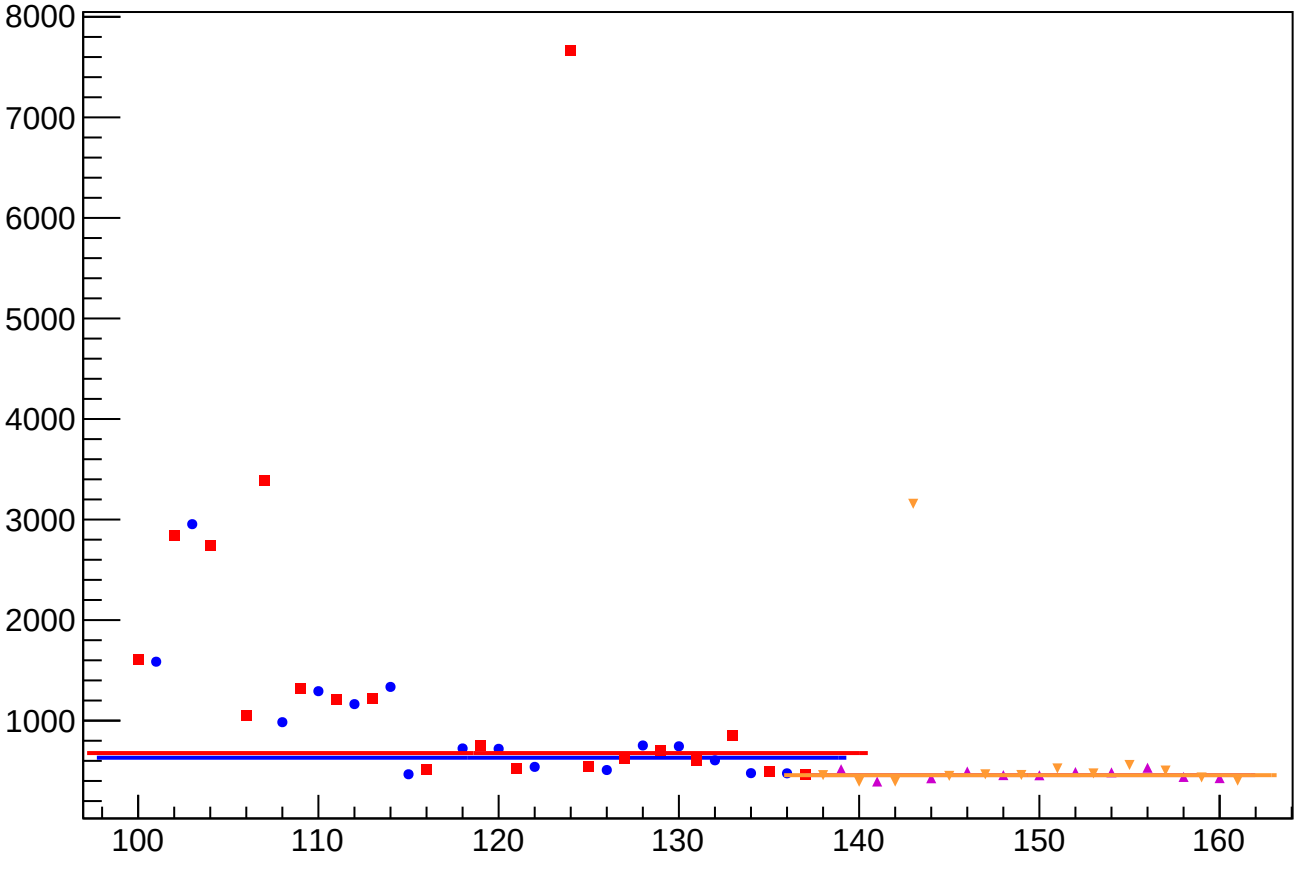
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 100.535+/-129.025 χ^2/NDF:34.7/26

Out: 356.921+/-130.565 χ^2/NDF:54.6/31

All: 227.208+/-91.774 χ^2/NDF: 91.2/58

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: 457.512+/-0.104 χ^2/NDF:1395797.4/12

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 458.567+/-0.106 χ^2/NDF:140534.4/10

Left: 458.034+/-0.074 χ^2/NDF: 1536382.4/23

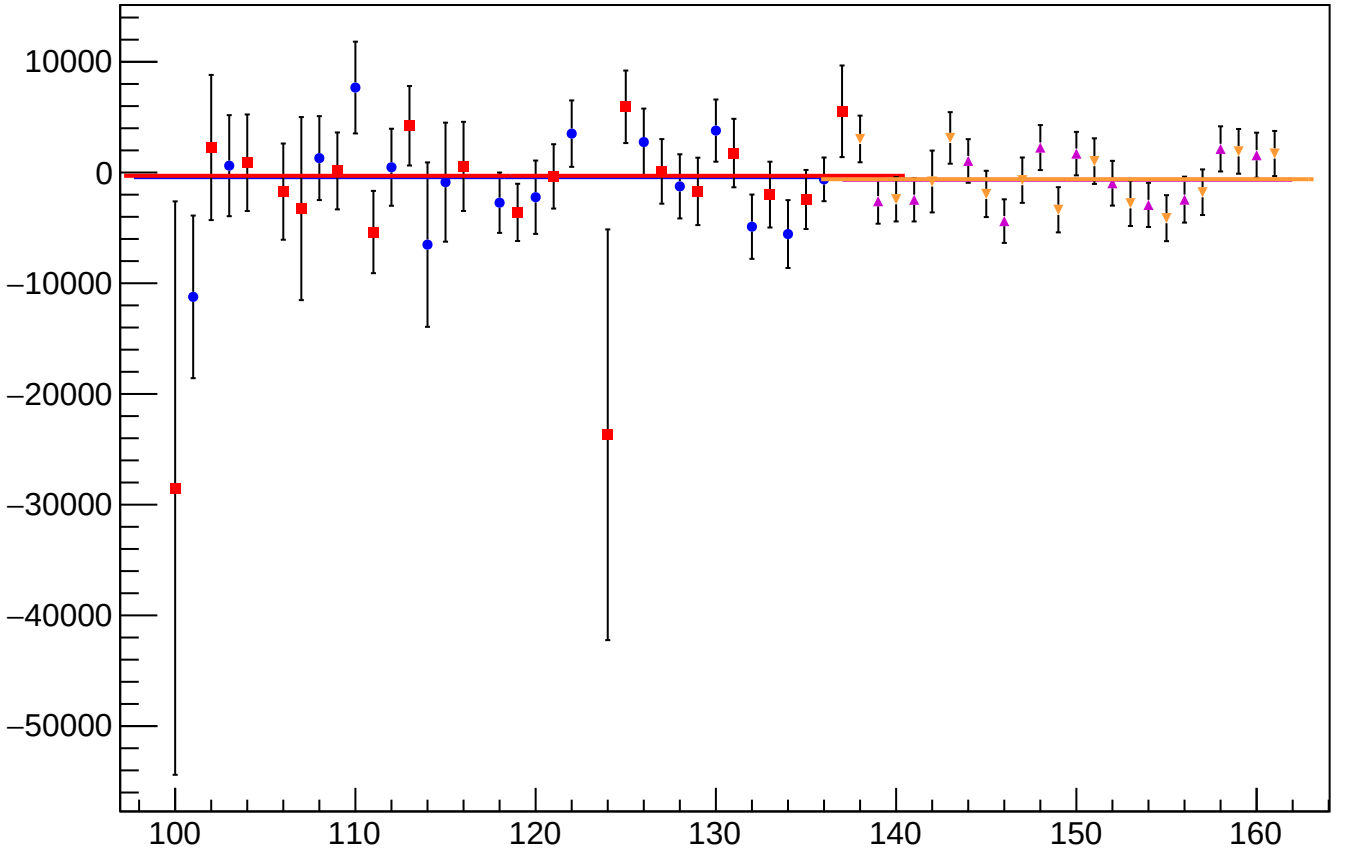
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 502.149+/-0.091 χ^2/NDF:3050381.7/26

Out: 505.482+/-0.092 χ^2/NDF:5445120.6/31

All: 503.796+/-0.065 χ^2/NDF: 8496161.8/58

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -604.448+/-585.261 χ^2/NDF:16.4/12

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -653.829+/-605.417 χ^2/NDF:14.7/10

Left: -628.303+/-420.787 χ^2/NDF: 31.1/23

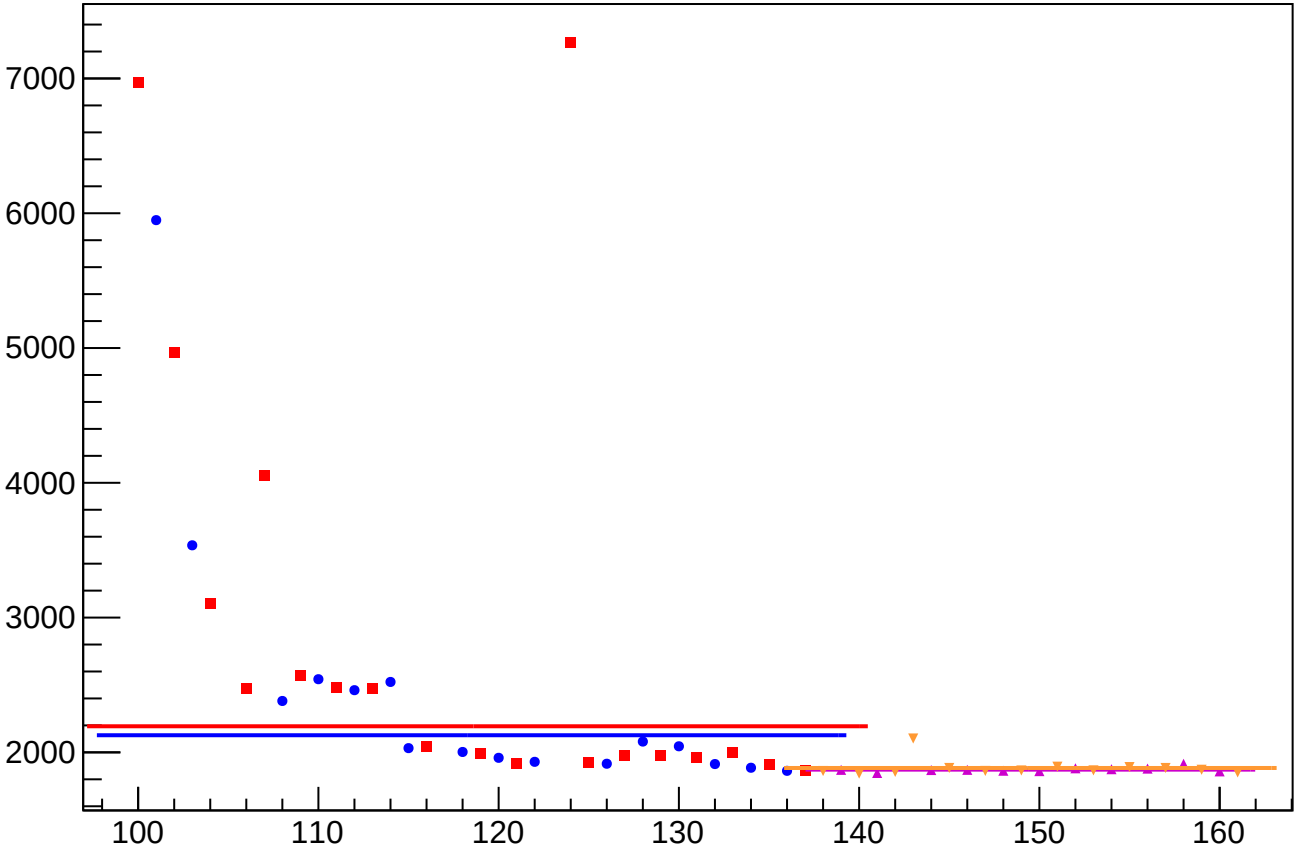
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -569.899+/-486.076 χ^2/NDF:33.1/26

Out: -501.791+/-478.616 χ^2/NDF:32.1/31

All: -535.318+/-341.040 χ^2/NDF: 65.2/58

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1884.063+/-0.414 χ^2/NDF:20190.1/12

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1871.810+/-0.428 χ^2/NDF:1479.0/10

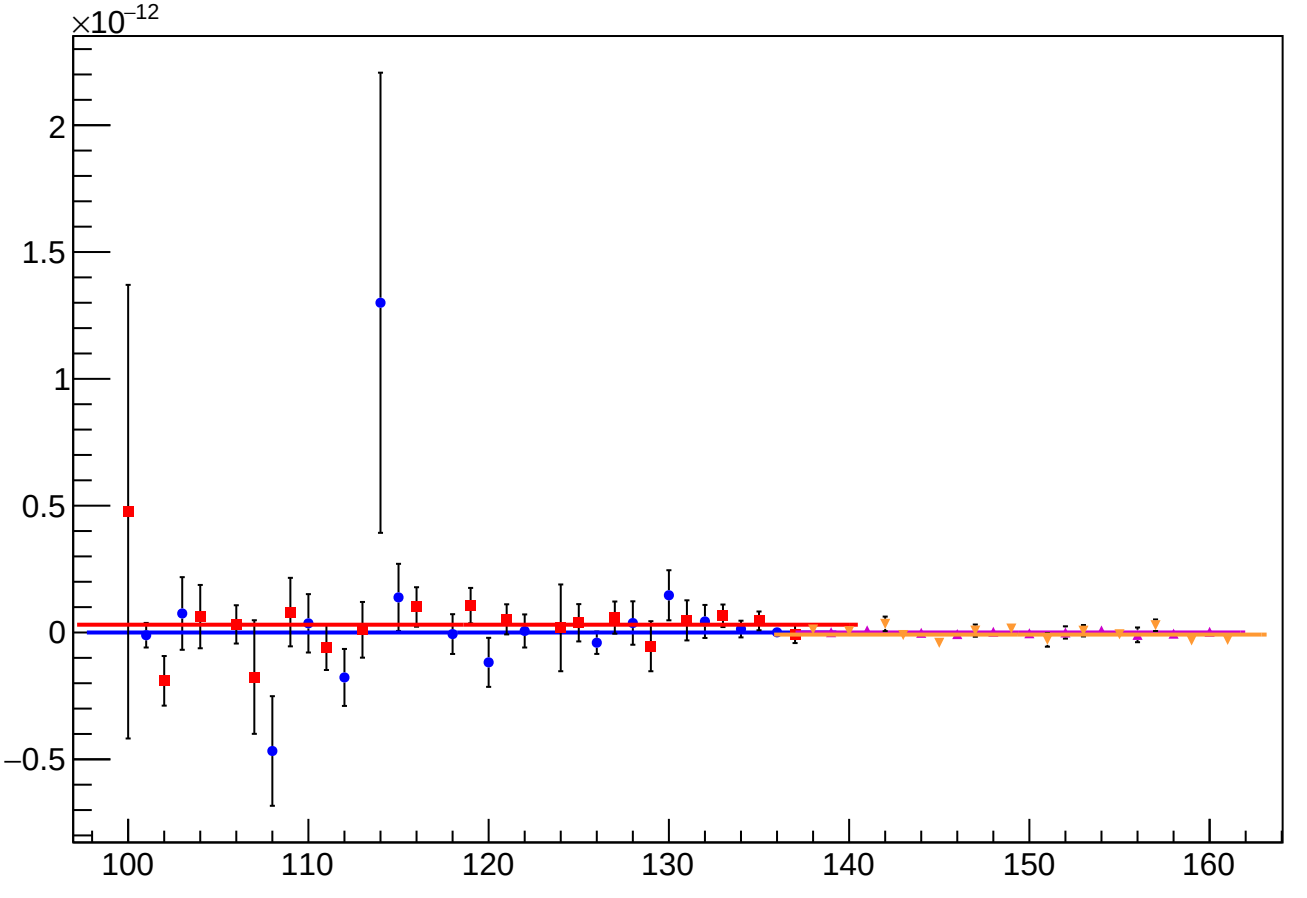
Left: 1878.144+/-0.298 χ^2/NDF: 22092.5/23

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1962.516+/-0.344 χ^2/NDF:1002881.6/26

Out: 1986.579+/-0.338 χ^2/NDF:1148030.6/31

All: 1974.734+/-0.241 χ^2/NDF: 2153400.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/10

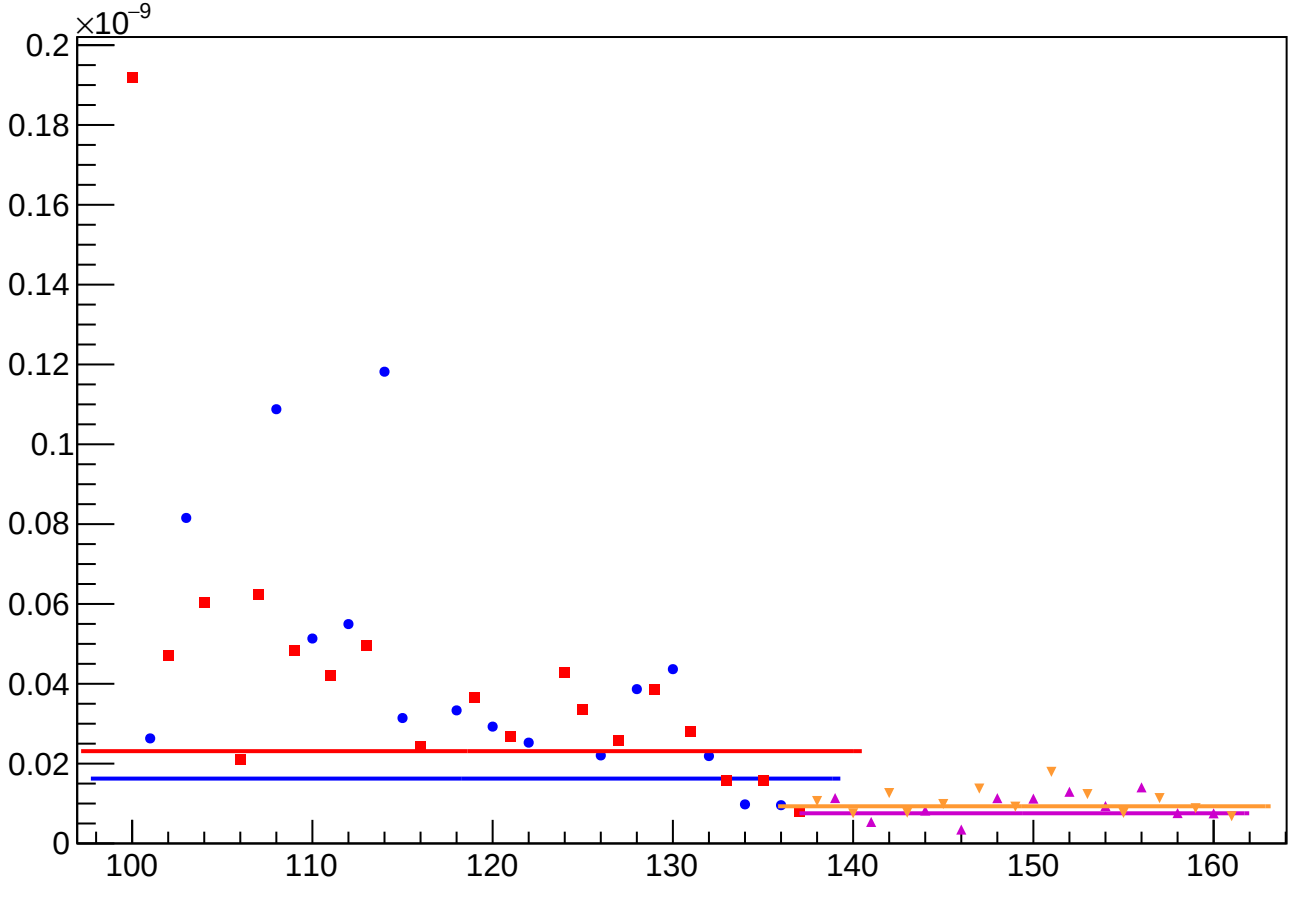
Left: -0.000+/-0.000 χ^2/NDF: 22.0/23

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.5/26

Out: -0.000+/-0.000 χ^2/NDF:37.0/31

All: -0.000+/-0.000 χ^2/NDF: 55.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:523942.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871555.5/10

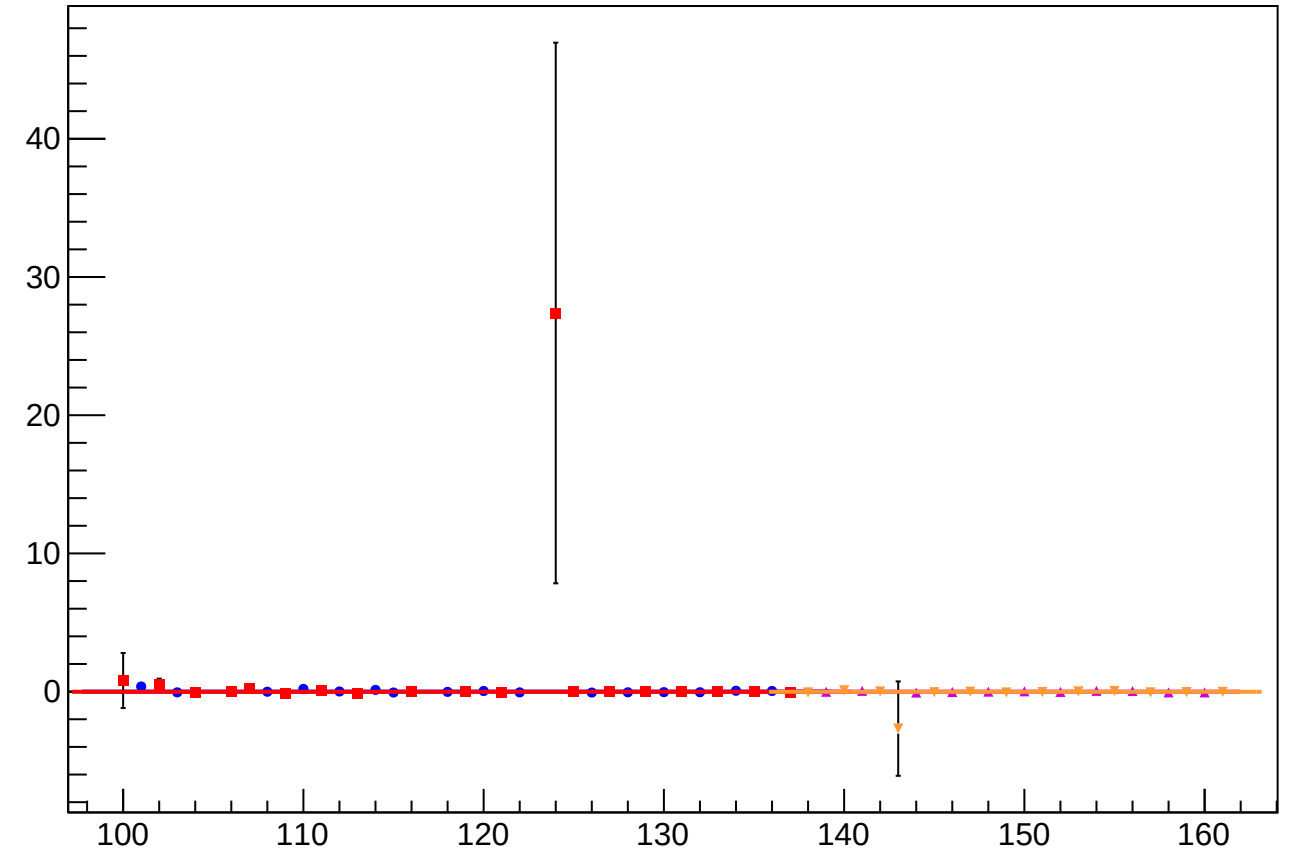
Left: 0.000+/-0.000 χ^2/NDF: 1530973.2/23

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4094123.4/26

Out: 0.000+/-0.000 χ^2/NDF:3341478.4/31

All: 0.000+/-0.000 χ^2/NDF: 7606625.2/58



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.011 χ^2/NDF:15.3/10

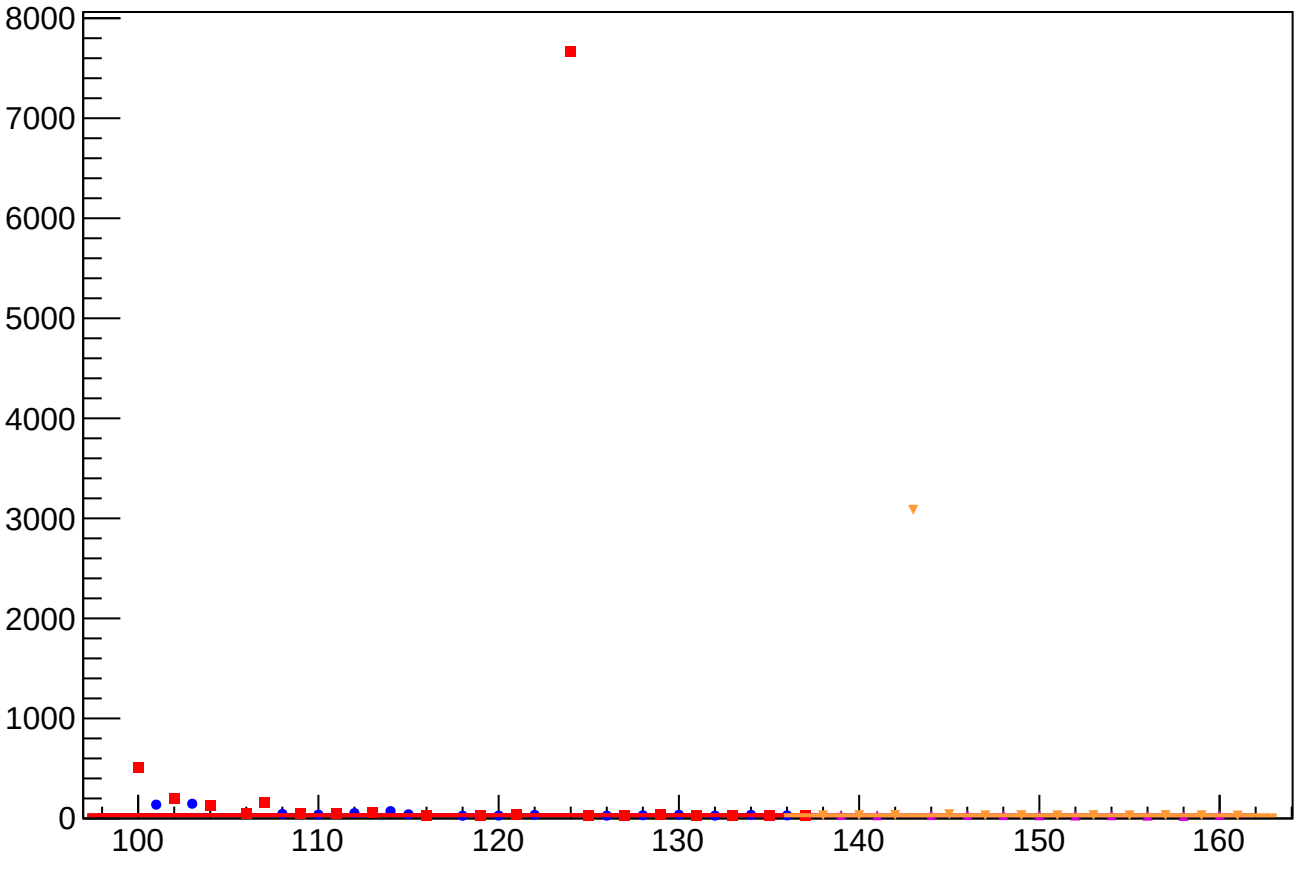
Left: -0.007+/-0.008 χ^2/NDF: 31.8/23

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/31

All: -0.006+/-0.006 χ^2/NDF: 67.4/58



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714790.0/12

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

Left: 32.063+/-0.006 χ^2/NDF: 1885587.8/23

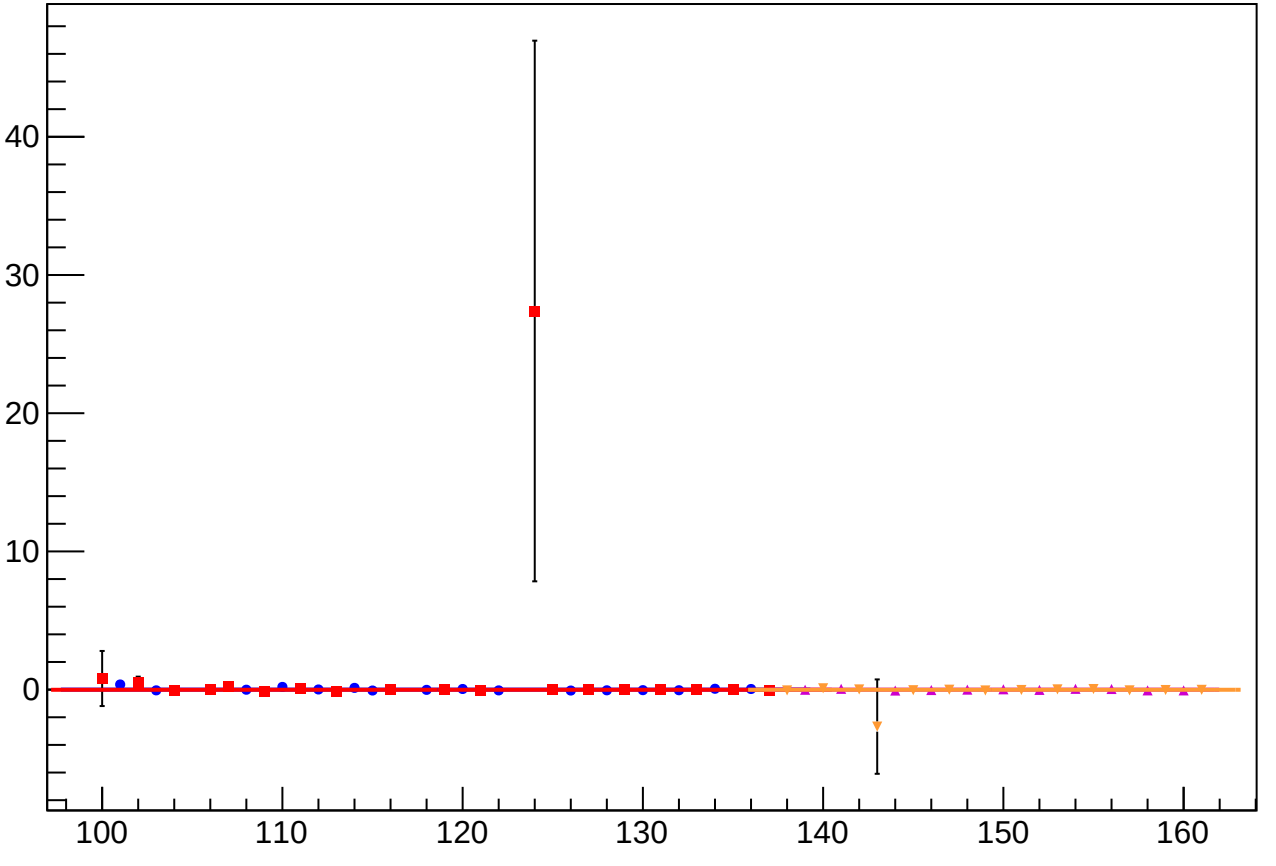
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.785+/-0.006 χ^2/NDF:1911609.2/26

Out: 32.451+/-0.006 χ^2/NDF:3795615.5/31

All: 32.618+/-0.004 χ^2/NDF: 5708607.2/58

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: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.007+/-0.008 χ^2/NDF: 31.8/23

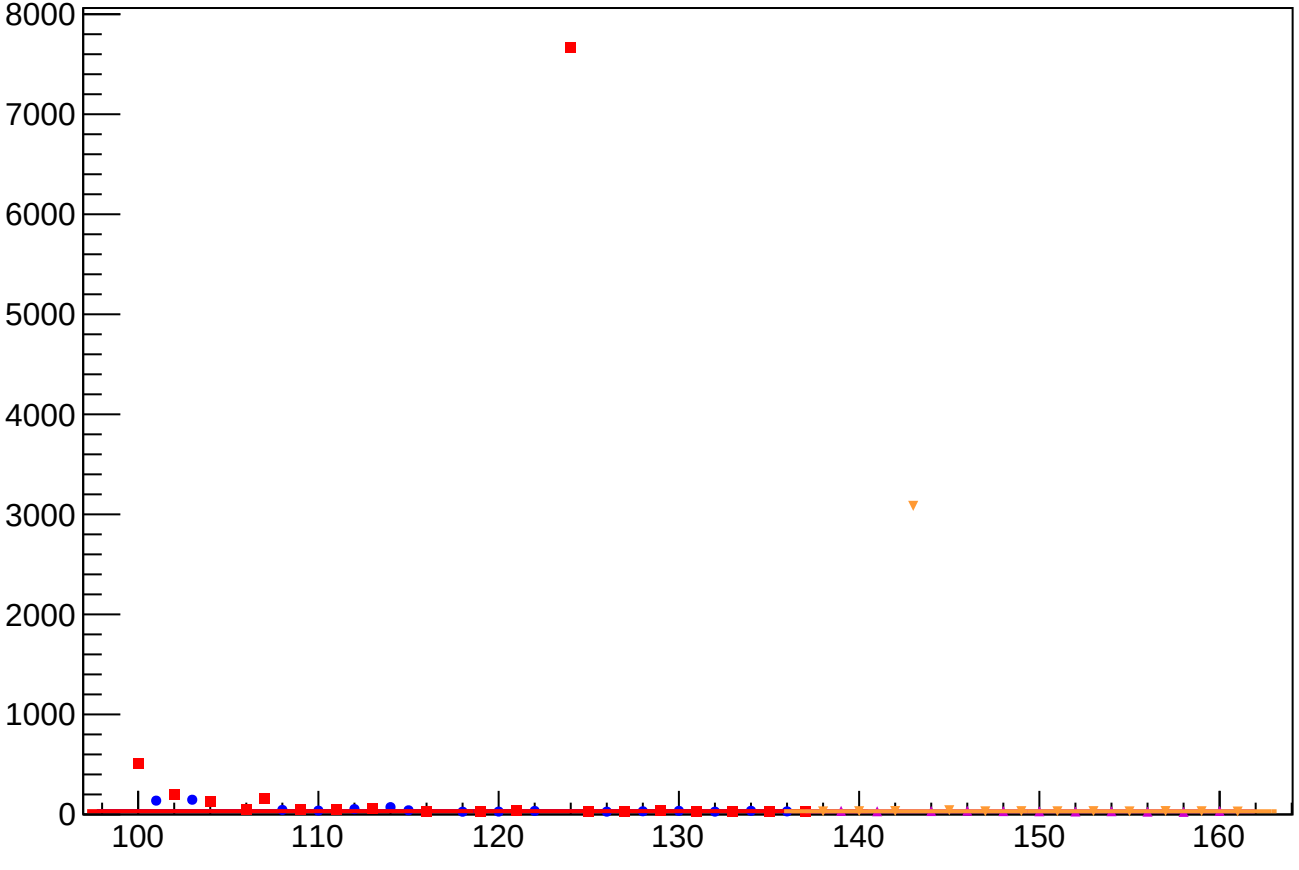
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/31

All: -0.006+/-0.006 χ^2/NDF: 67.4/58

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714790.0/12

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

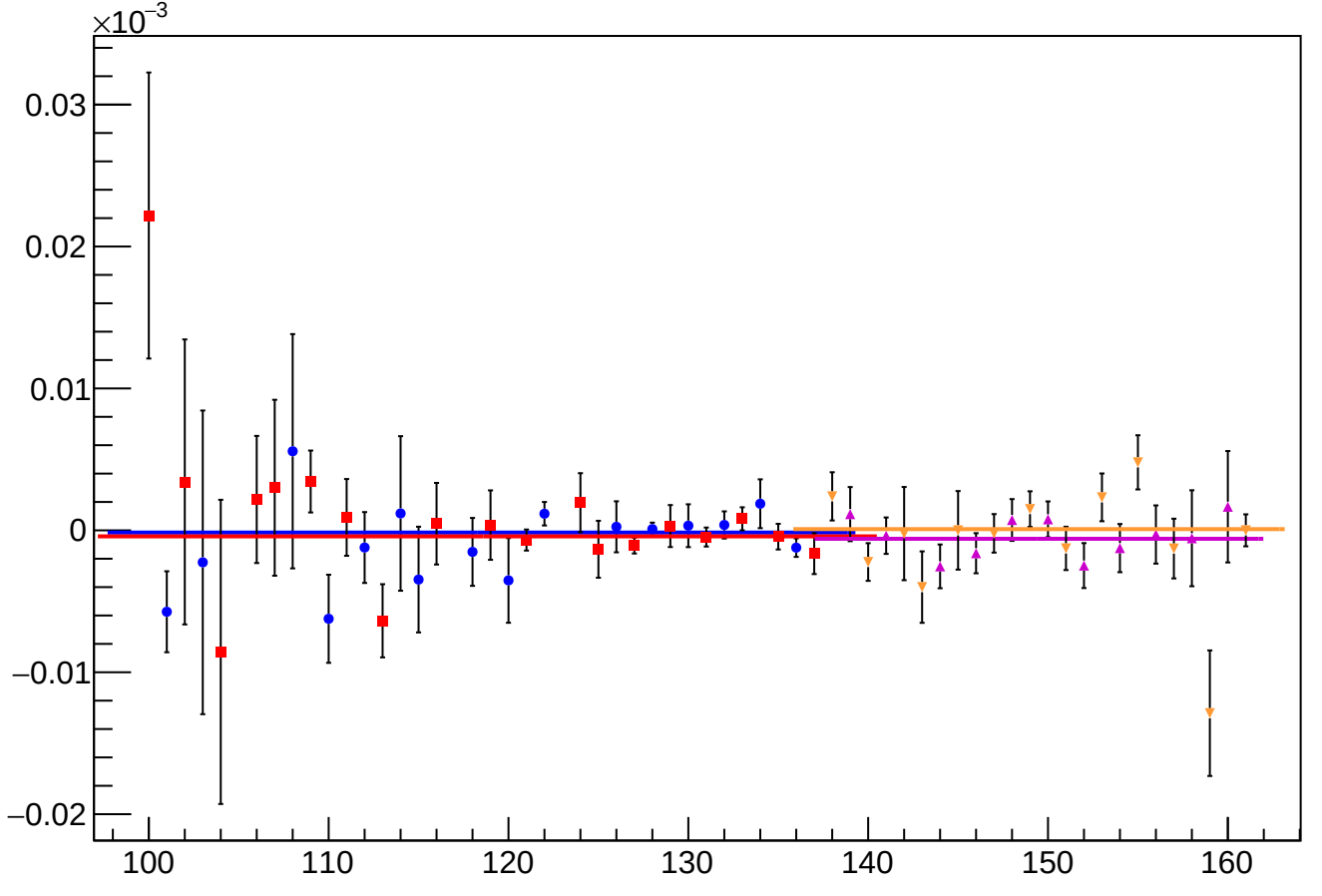
Left: 32.063+/-0.006 χ^2/NDF: 1885587.8/23

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.785+/-0.006 χ^2/NDF:1911609.2/26

Out: 32.451+/-0.006 χ^2/NDF:3795615.5/31

All: 32.618+/-0.004 χ^2/NDF: 5708607.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/10

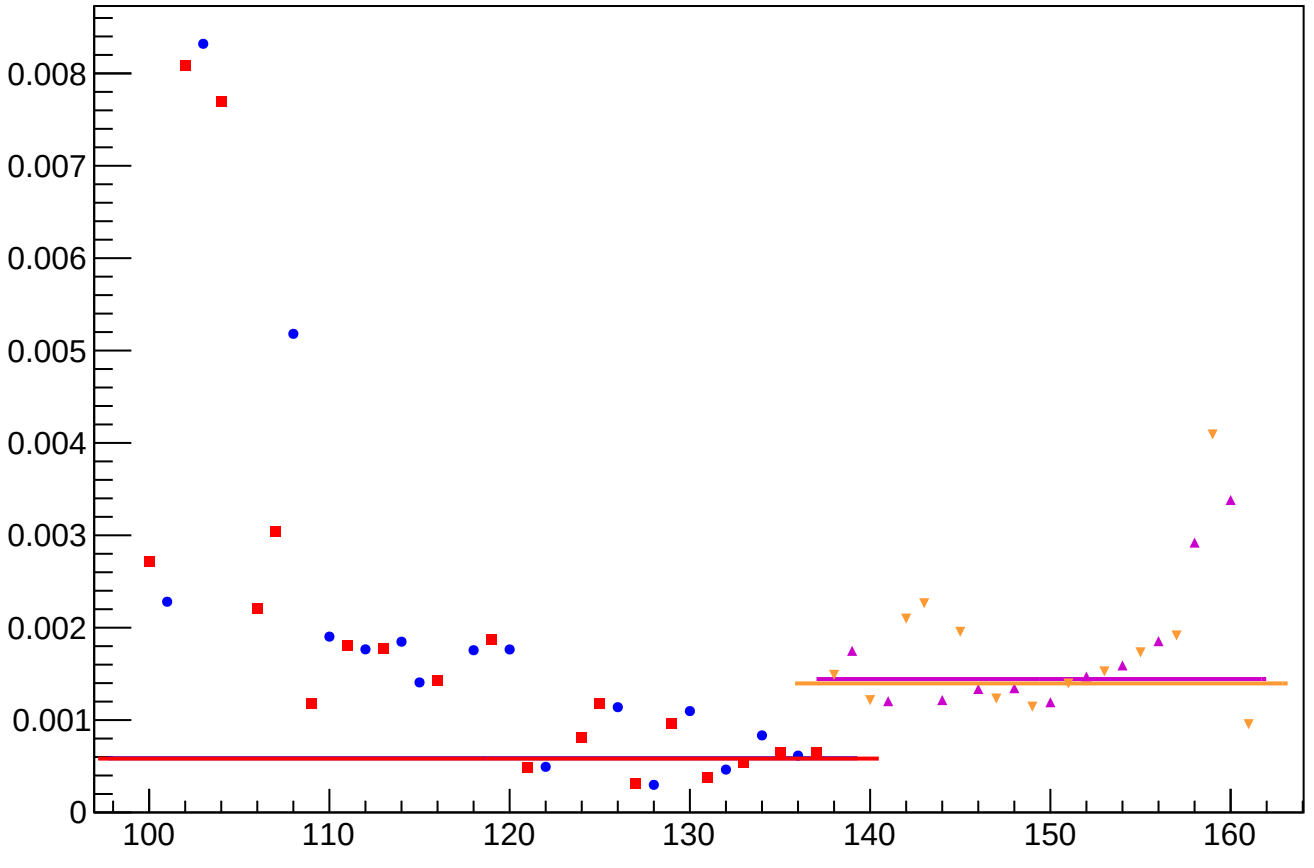
Left: -0.000+/-0.000 χ^2/NDF: 34.4/23

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.6/26

Out: -0.000+/-0.000 χ^2/NDF:49.0/31

All: -0.000+/-0.000 χ^2/NDF: 74.6/58



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:1808393.1/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1229543.0/10

Left: 0.001+/-0.000 χ^2/NDF: 3047642.9/23

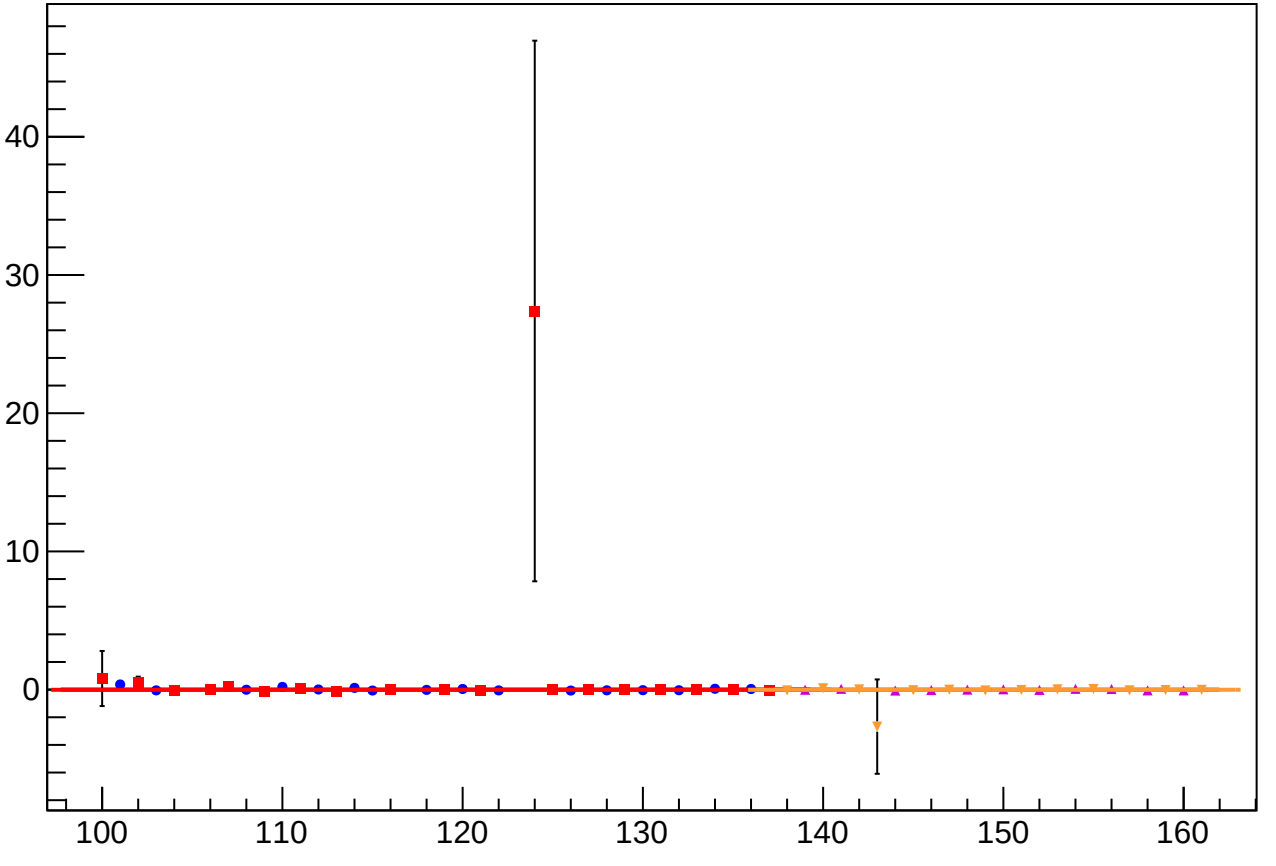
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11113882.8/26

Out: 0.001+/-0.000 χ^2/NDF:11671895.6/31

All: 0.001+/-0.000 χ^2/NDF: 22785990.4/58

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: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.007+/-0.008 χ^2/NDF: 31.7/23

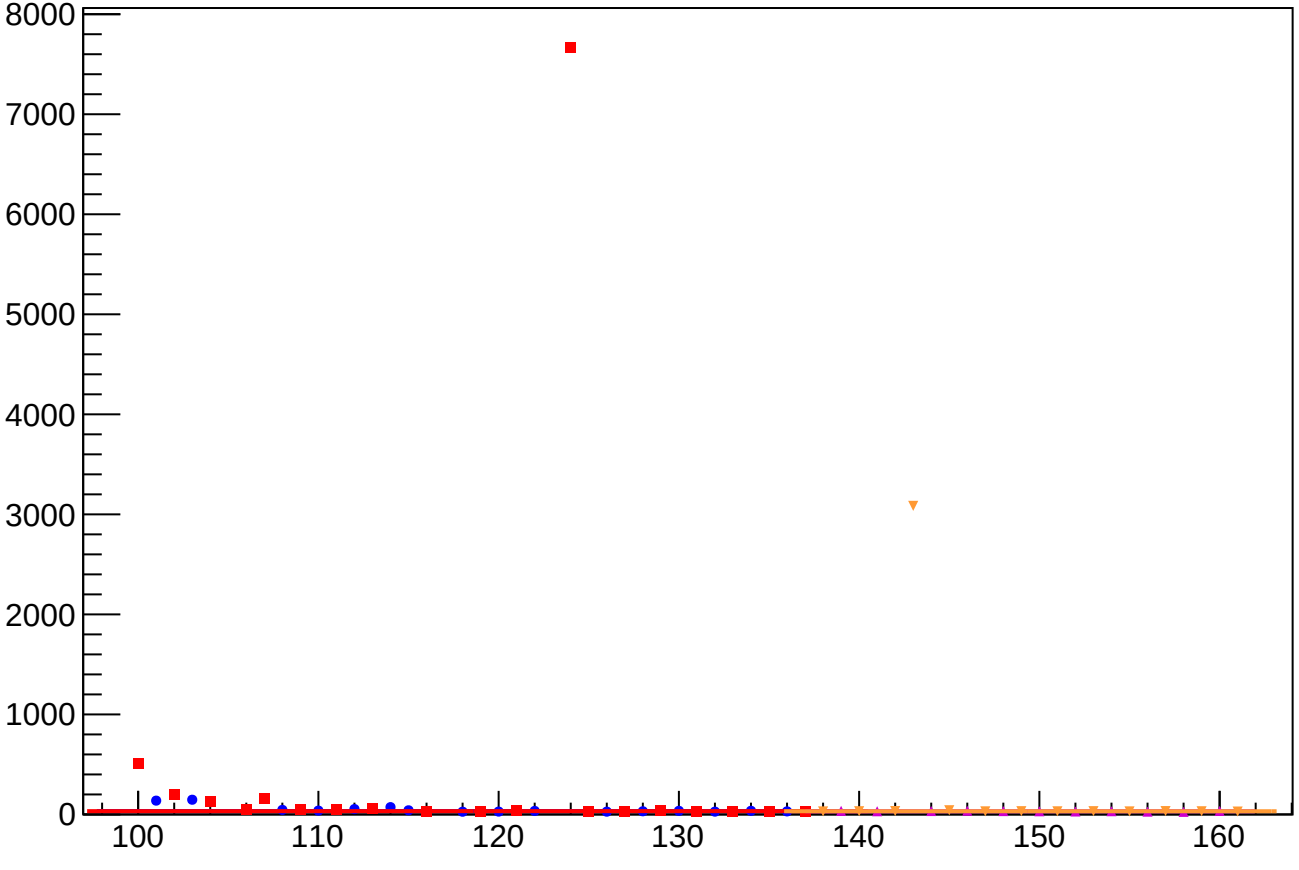
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/31

All: -0.006+/-0.006 χ^2/NDF: 67.4/58

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714787.5/12

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

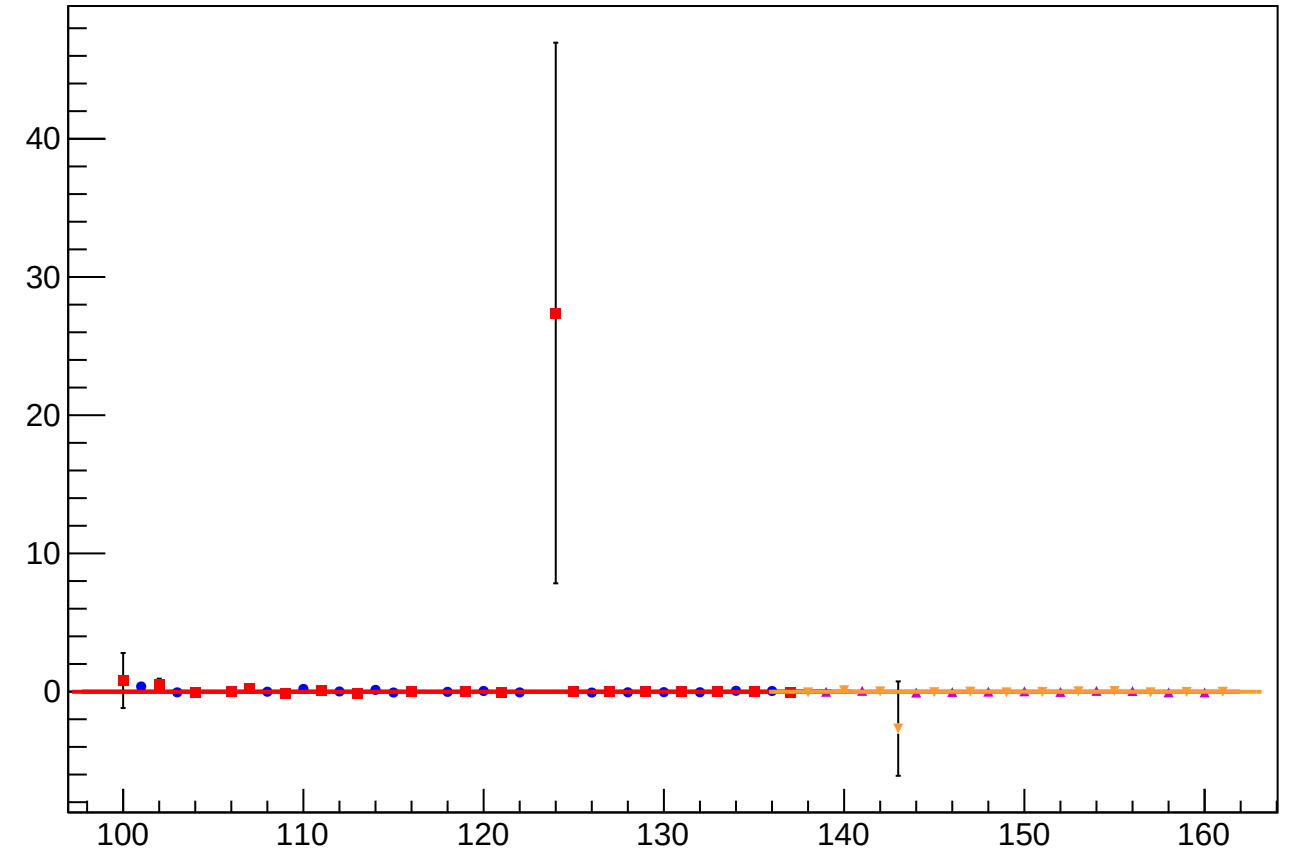
Left: 32.063+/-0.006 χ^2/NDF: 1885522.2/23

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.006 χ^2/NDF:1911525.8/26

Out: 32.451+/-0.006 χ^2/NDF:3795592.3/31

All: 32.618+/-0.004 χ^2/NDF: 5708502.9/58



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.003+/-0.011 χ^2/NDF:15.3/10

Left: -0.007+/-0.008 χ^2/NDF: 31.7/23

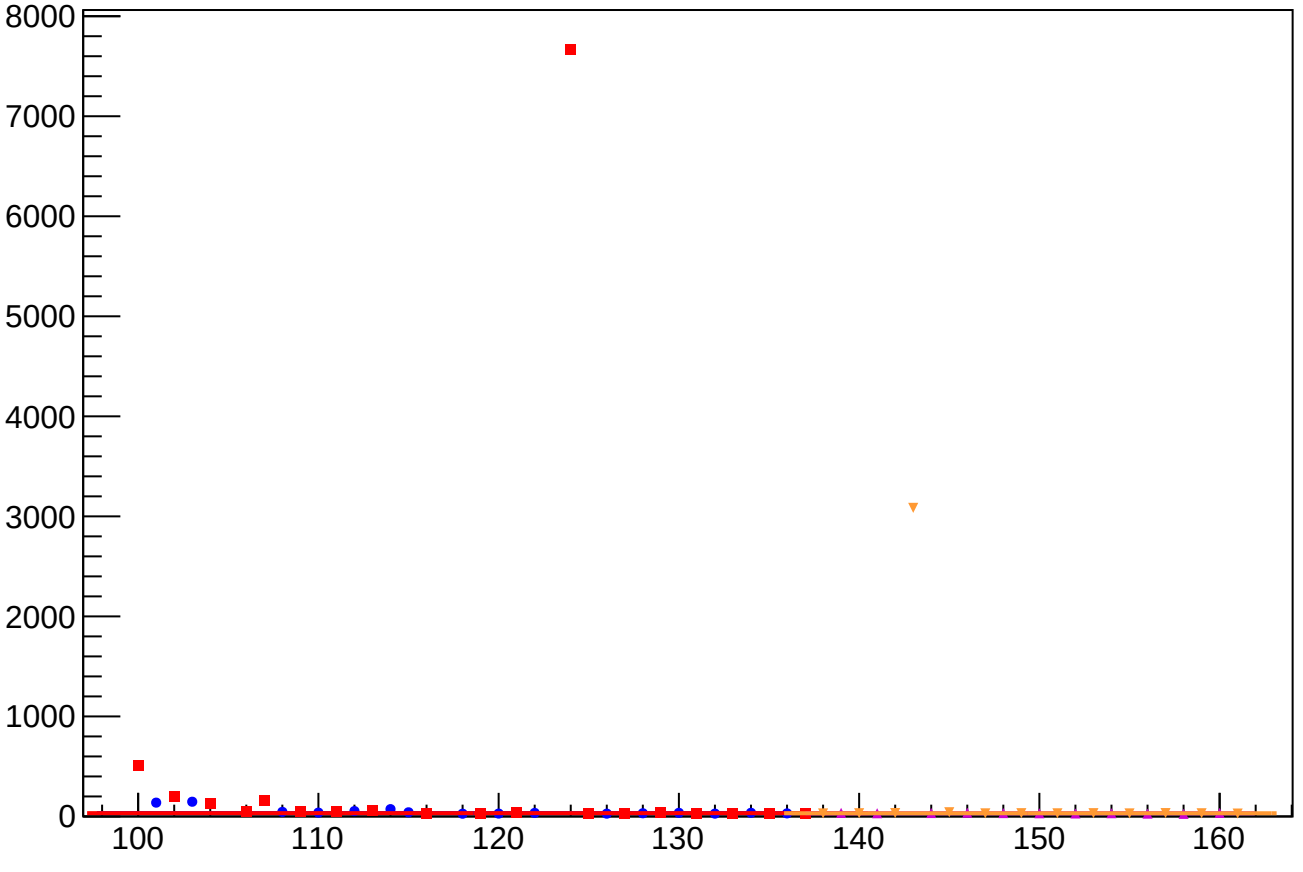
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.009 χ^2/NDF:36.4/26

Out: -0.011+/-0.009 χ^2/NDF:30.4/31

All: -0.006+/-0.006 χ^2/NDF: 67.4/58

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714787.5/12

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

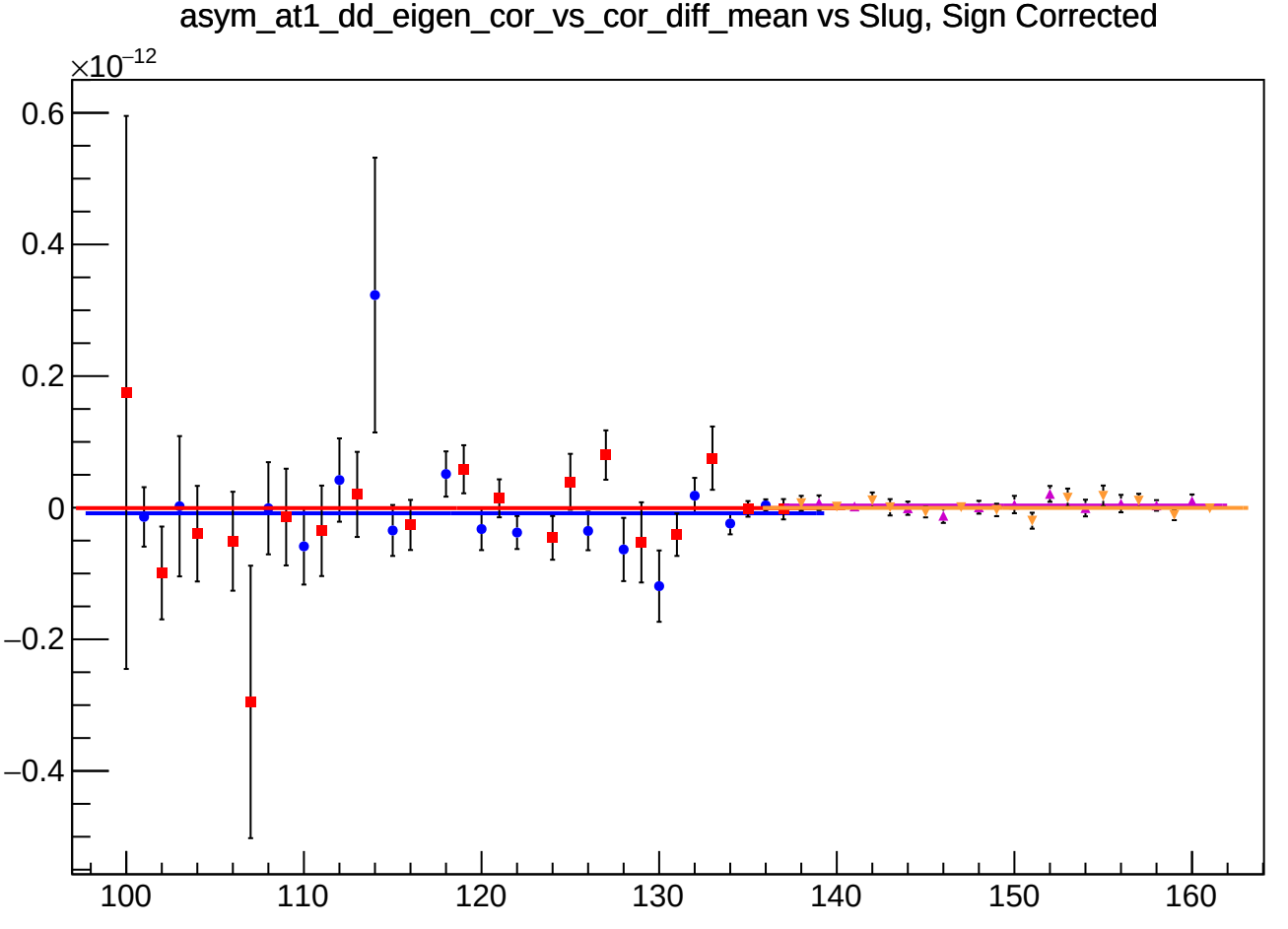
Left: 32.063+/-0.006 χ^2/NDF: 1885522.2/23

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.006 χ^2/NDF:1911525.8/26

Out: 32.451+/-0.006 χ^2/NDF:3795592.3/31

All: 32.618+/-0.004 χ^2/NDF: 5708502.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/10

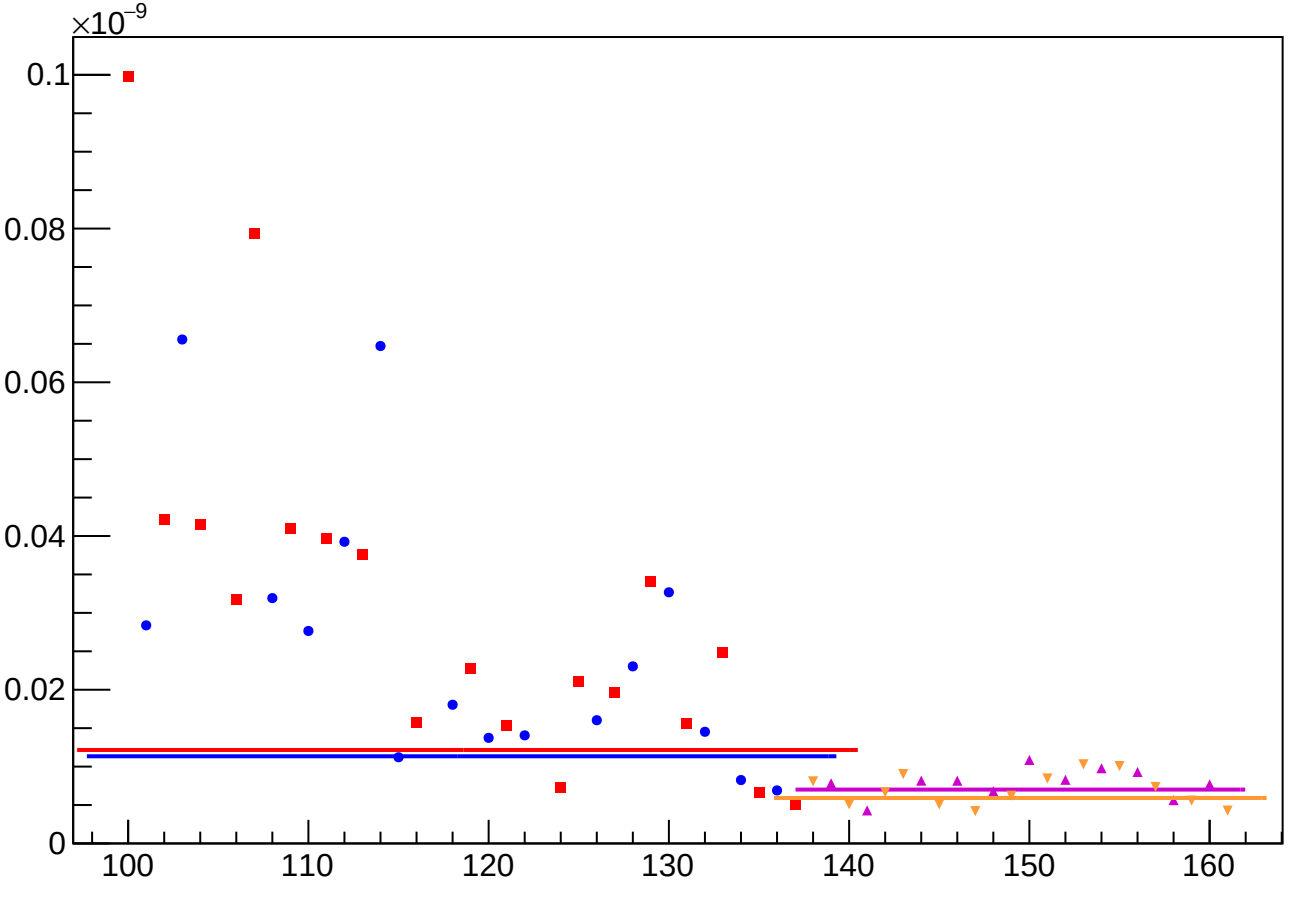
Left: 0.000+/-0.000 χ^2/NDF: 16.2/23

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:27.2/26

Out: -0.000+/-0.000 χ^2/NDF:31.0/31

All: 0.000+/-0.000 χ^2/NDF: 58.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:986908.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:863875.5/10

Left: 0.000+/-0.000 χ^2/NDF: 2007895.4/23

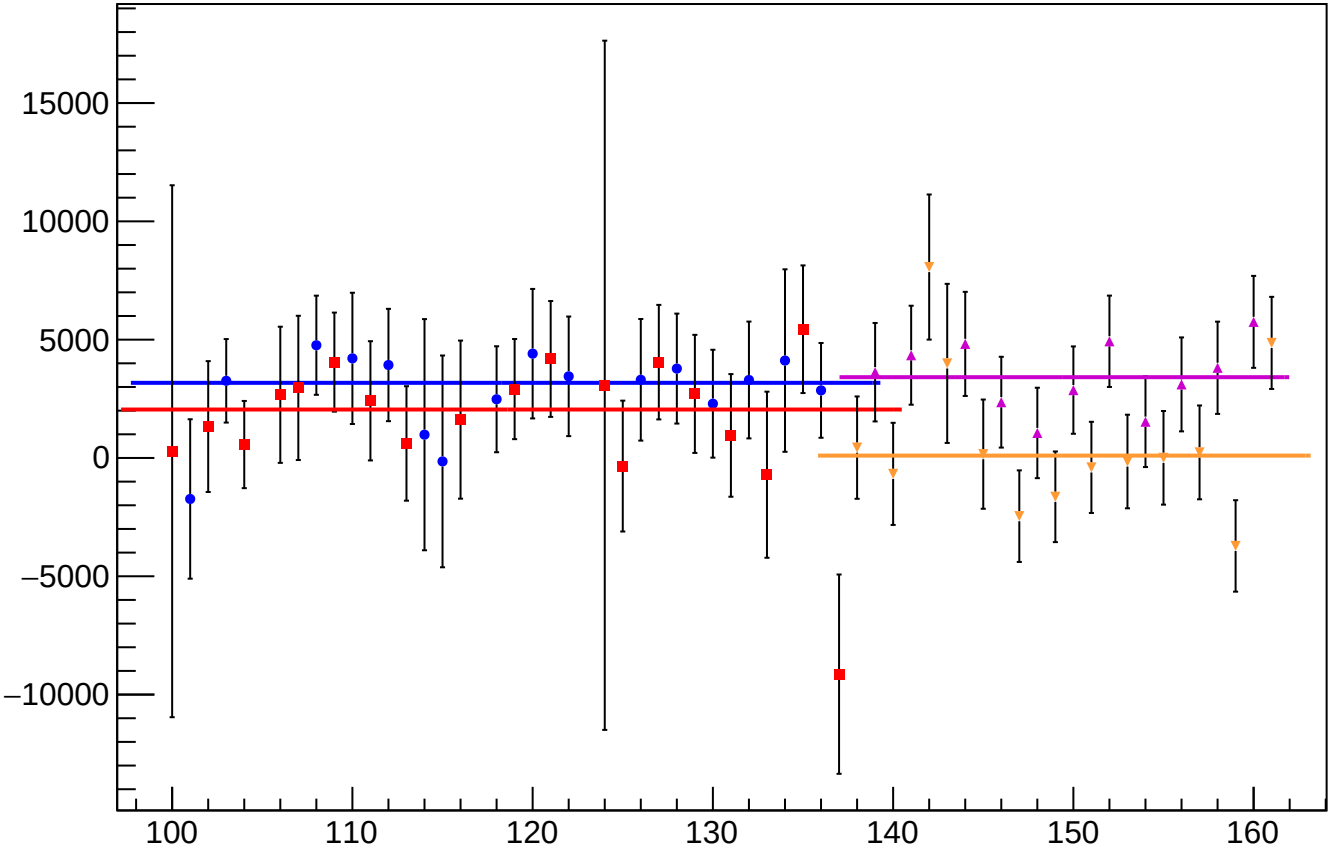
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4431603.5/26

Out: 0.000+/-0.000 χ^2/NDF:6069836.9/31

All: 0.000+/-0.000 χ^2/NDF: 10723155.1/58

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.434+/-585.487 χ^2/NDF:20.8/12

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3414.182+/-594.735 χ^2/NDF:5.6/10

Left: 1730.835+/-417.233 χ^2/NDF: 42.2/23

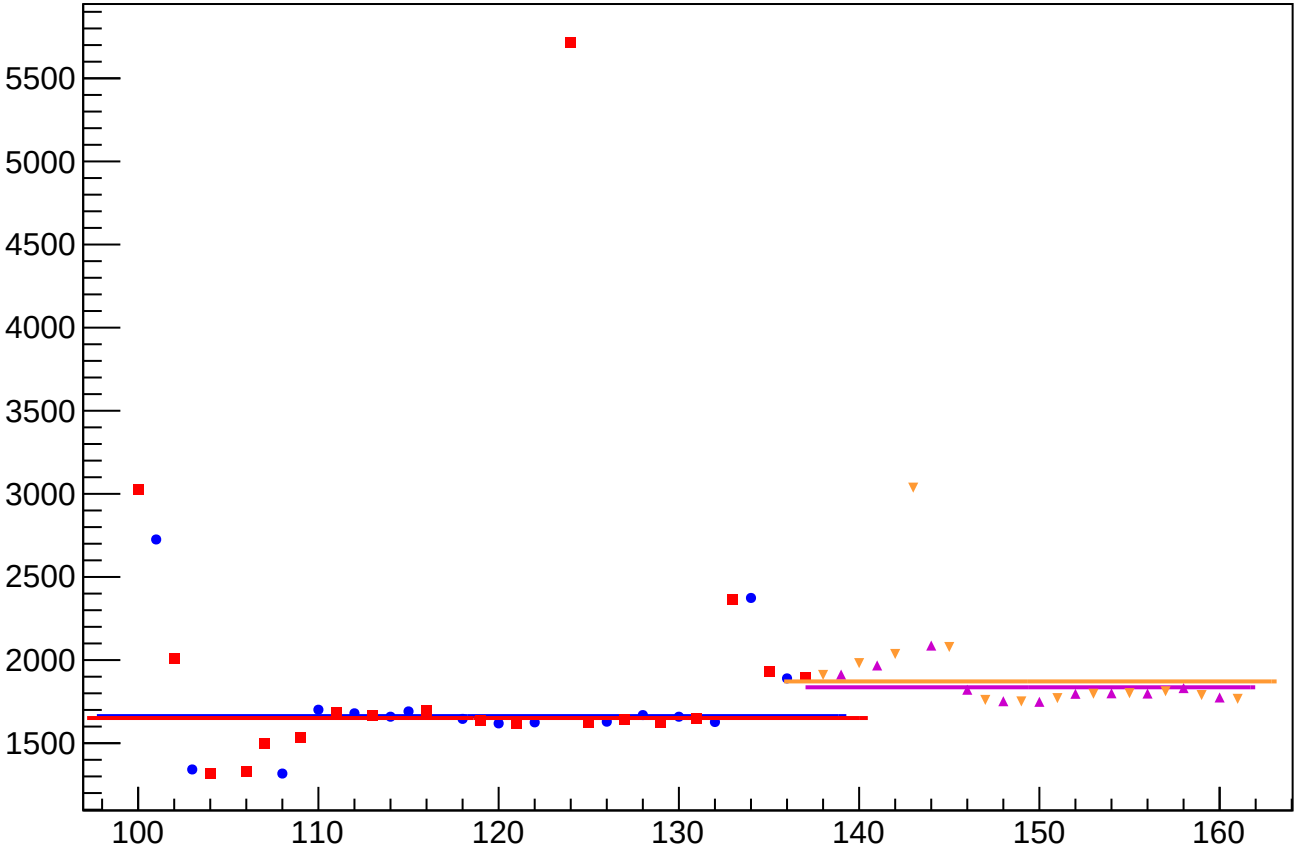
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3301.375+/-431.820 χ^2/NDF:10.0/26

Out: 1015.351+/-426.164 χ^2/NDF:40.1/31

All: 2143.294+/-303.323 χ^2/NDF: 64.3/58

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1836.245+/-0.421 χ^2/NDF:49299.1/10

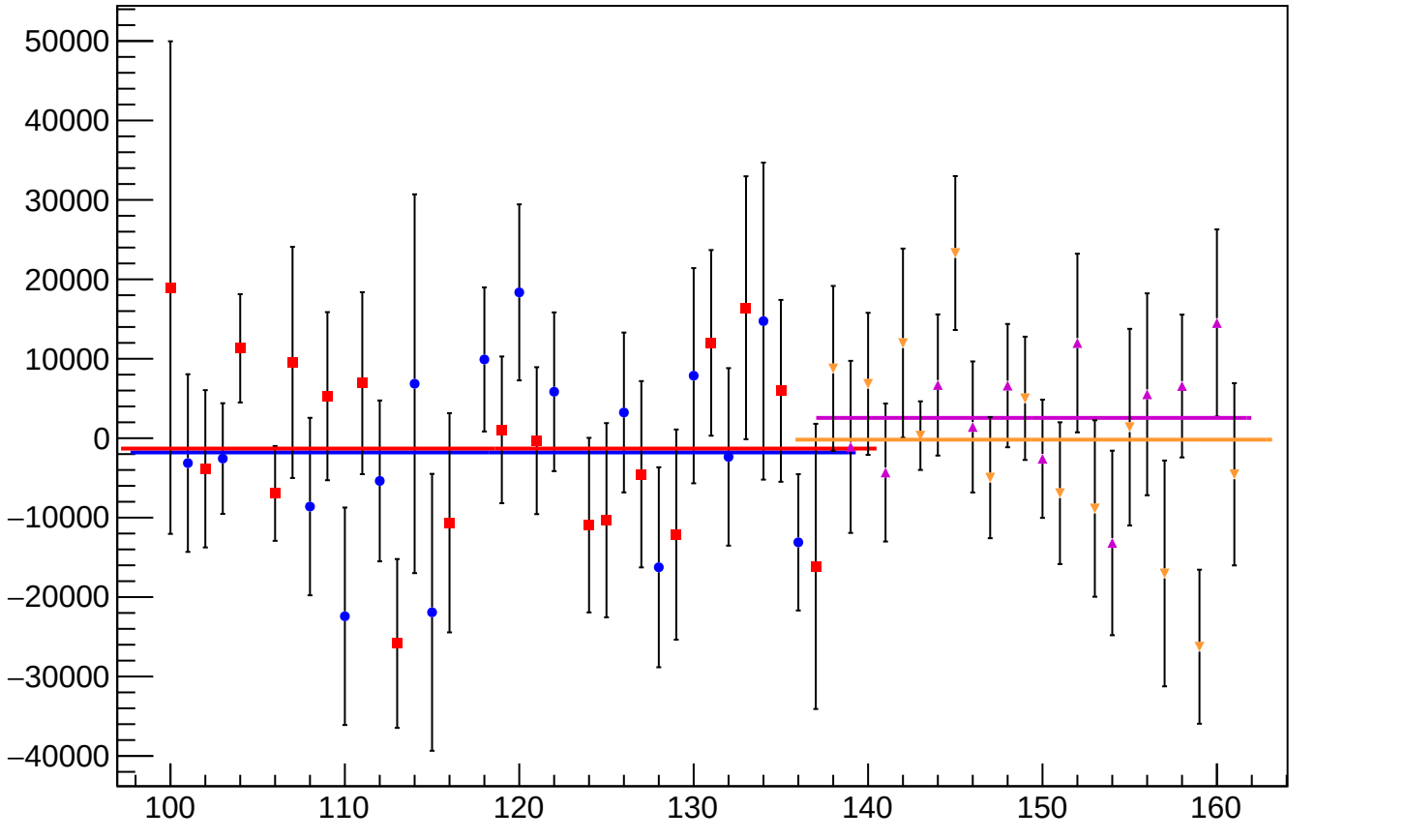
Left: 1854.178+/-0.295 χ^2/NDF: 357654.5/23

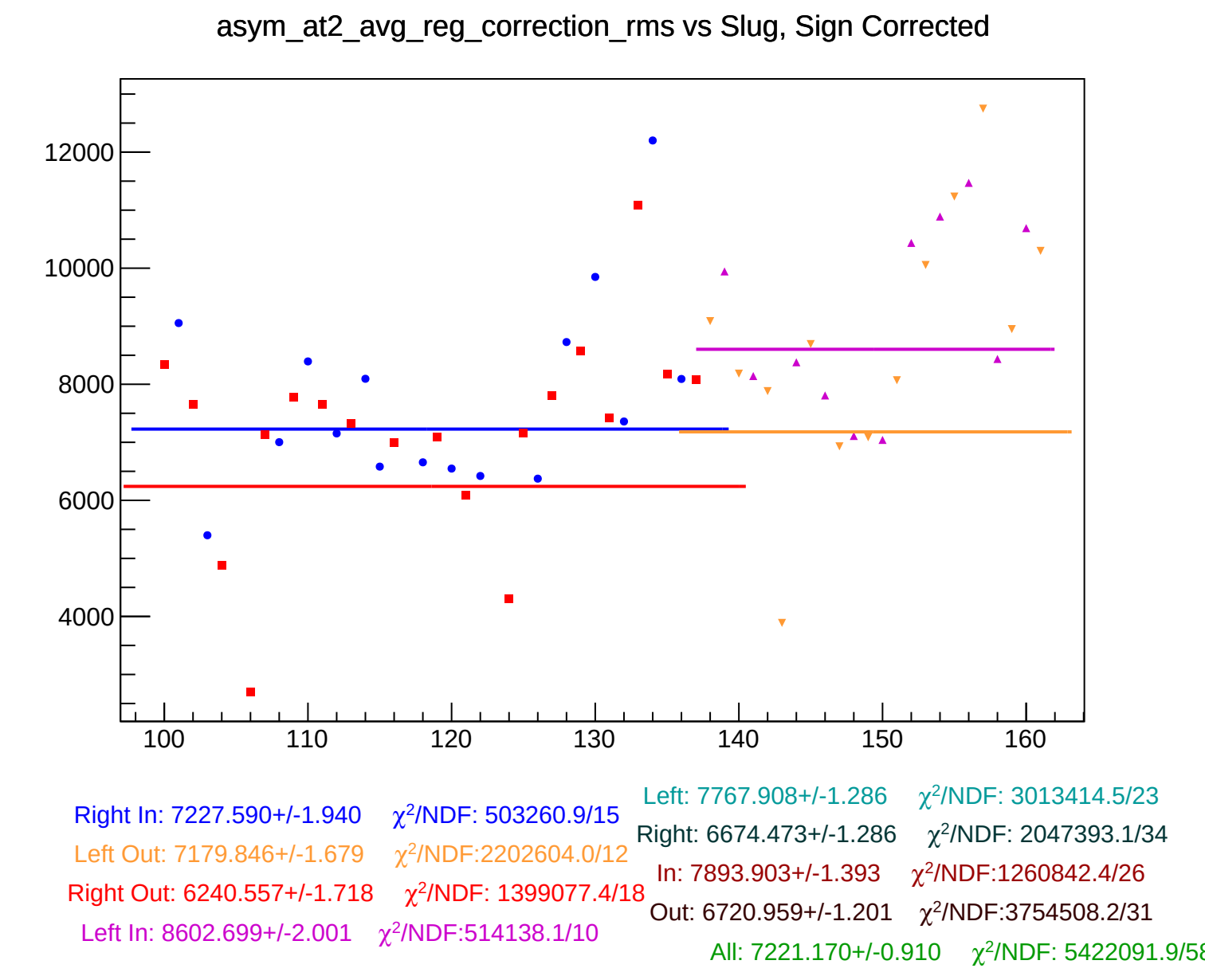
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1754.285+/-0.305 χ^2/NDF:545263.6/26

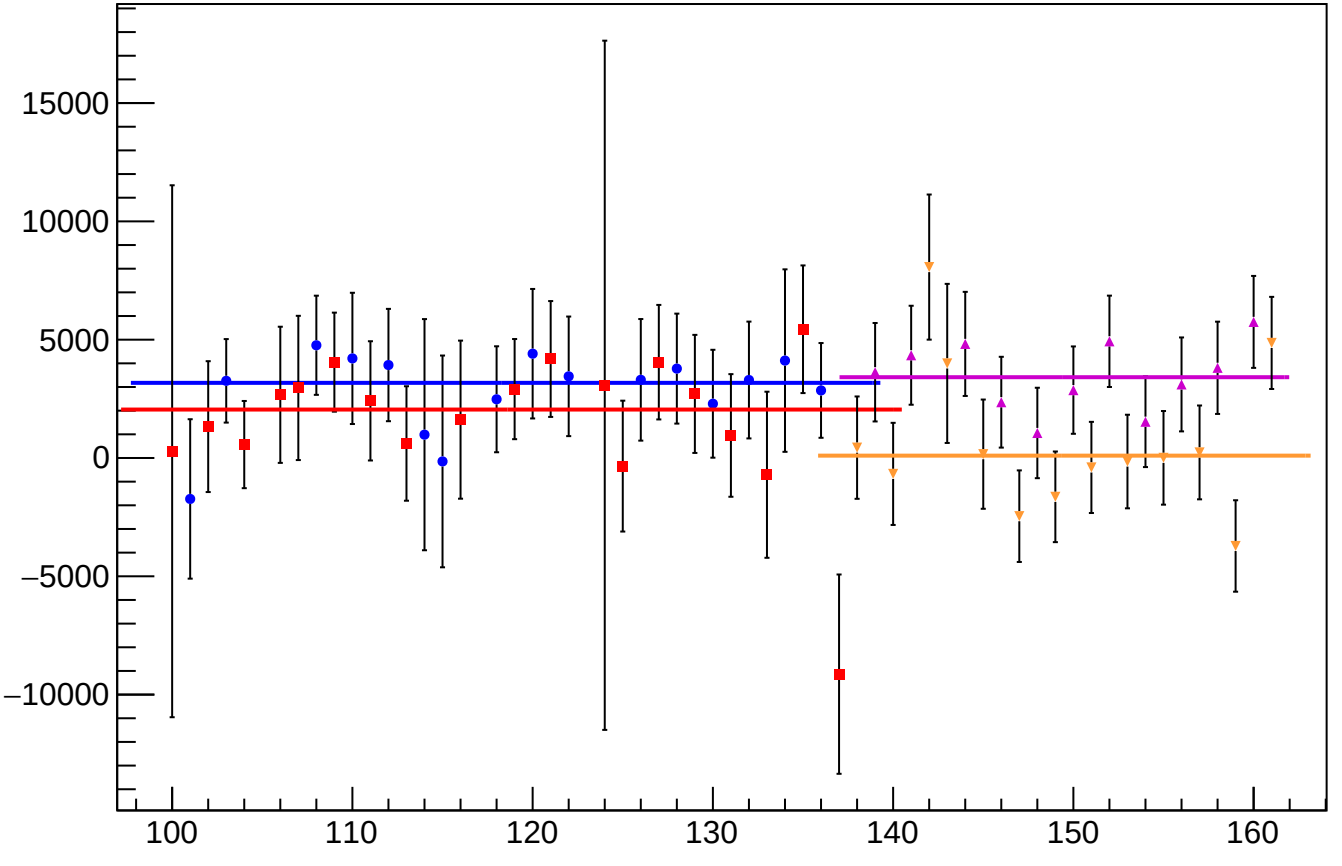
Out: 1768.004+/-0.301 χ^2/NDF:869798.2/31

All: 1761.235+/-0.214 χ^2/NDF: 1416084.4/58


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: -185.652+/-2375.023 χ²/NDF:19.1/12
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 2556.192+/-2829.732 χ²/NDF:5.5/10
Left: 947.546+/-1819.185 χ²/NDF: 25.2/23
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: 315.427+/-1969.771 χ²/NDF:21.1/26
Out: -733.147+/-1698.520 χ²/NDF:37.0/31
All: -285.975+/-1286.334 χ²/NDF: 58.2/58


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7179.846+/-1.679 χ²/NDF:2202604.0/12
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8602.699+/-2.001 χ²/NDF:514138.1/10
Left: 7767.908+/-1.286 χ²/NDF: 3013414.5/23
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7893.903+/-1.393 χ²/NDF:1260842.4/26
Out: 6720.959+/-1.201 χ²/NDF:3754508.2/31
All: 7221.170+/-0.910 χ²/NDF: 5422091.9/58

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.358+/-585.487 χ^2/NDF:20.8/12

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3414.266+/-594.735 χ^2/NDF:5.6/10

Left: 1730.837+/-417.233 χ^2/NDF: 42.2/23

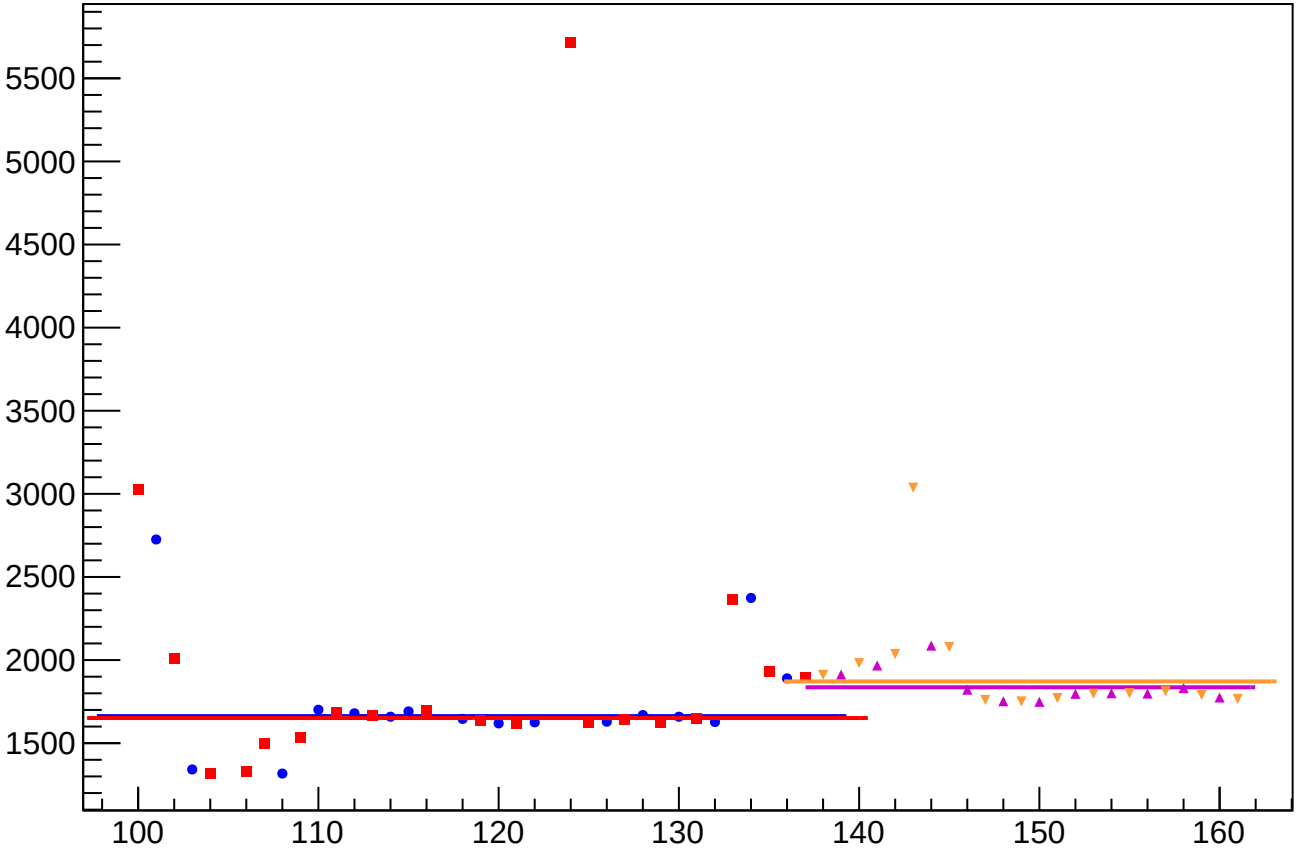
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3301.461+/-431.820 χ^2/NDF:10.0/26

Out: 1015.219+/-426.164 χ^2/NDF:40.1/31

All: 2143.270+/-303.323 χ^2/NDF: 64.3/58

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

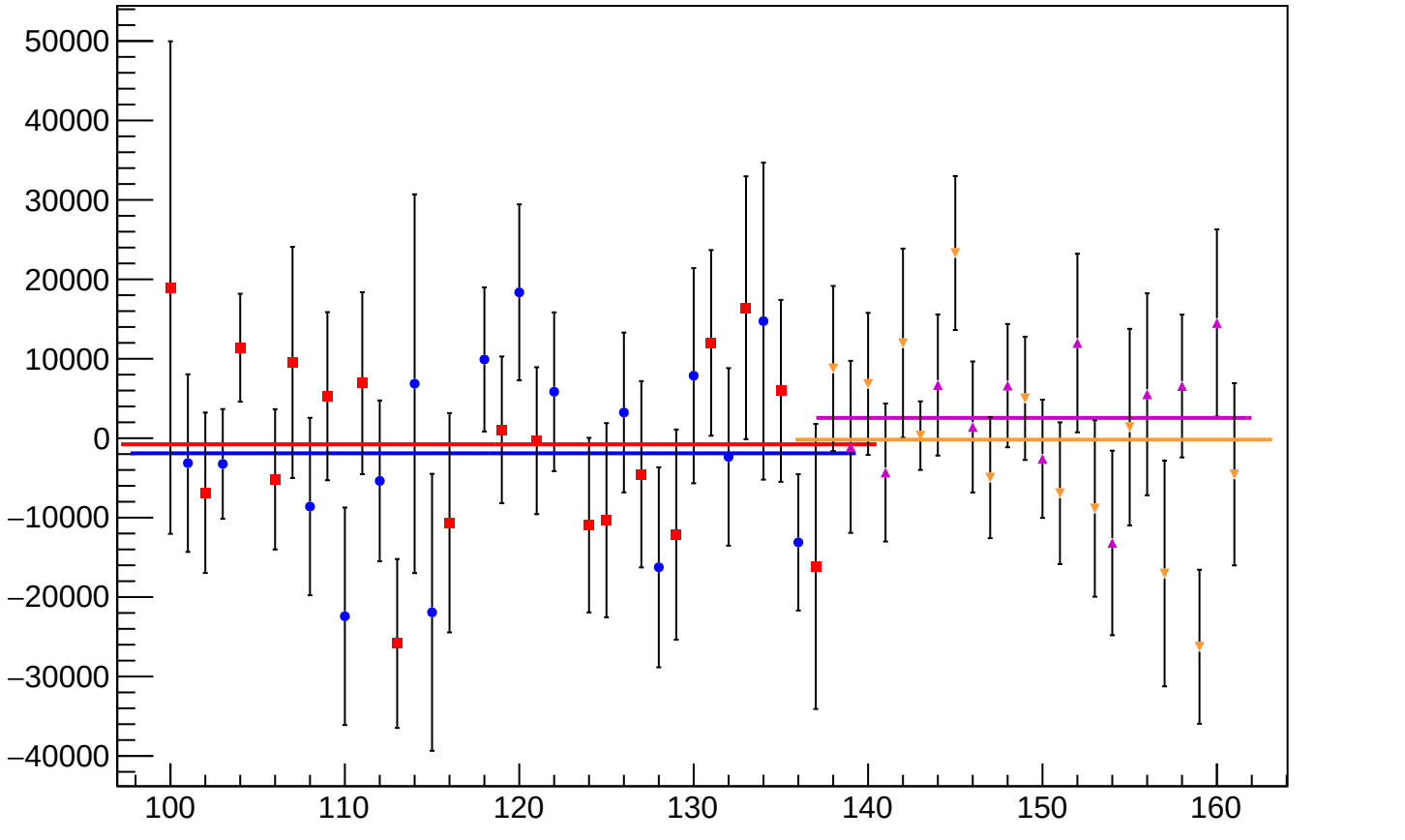
Left: 1854.178+/-0.295 χ^2/NDF: 357654.5/23

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.285+/-0.305 χ^2/NDF:545264.0/26

Out: 1768.004+/-0.301 χ^2/NDF:869798.5/31

All: 1761.235+/-0.214 χ^2/NDF: 1416085.2/58



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -185.755+/-2375.015 χ^2/NDF:19.1/12

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2556.339+/-2829.731 χ^2/NDF:5.5/10

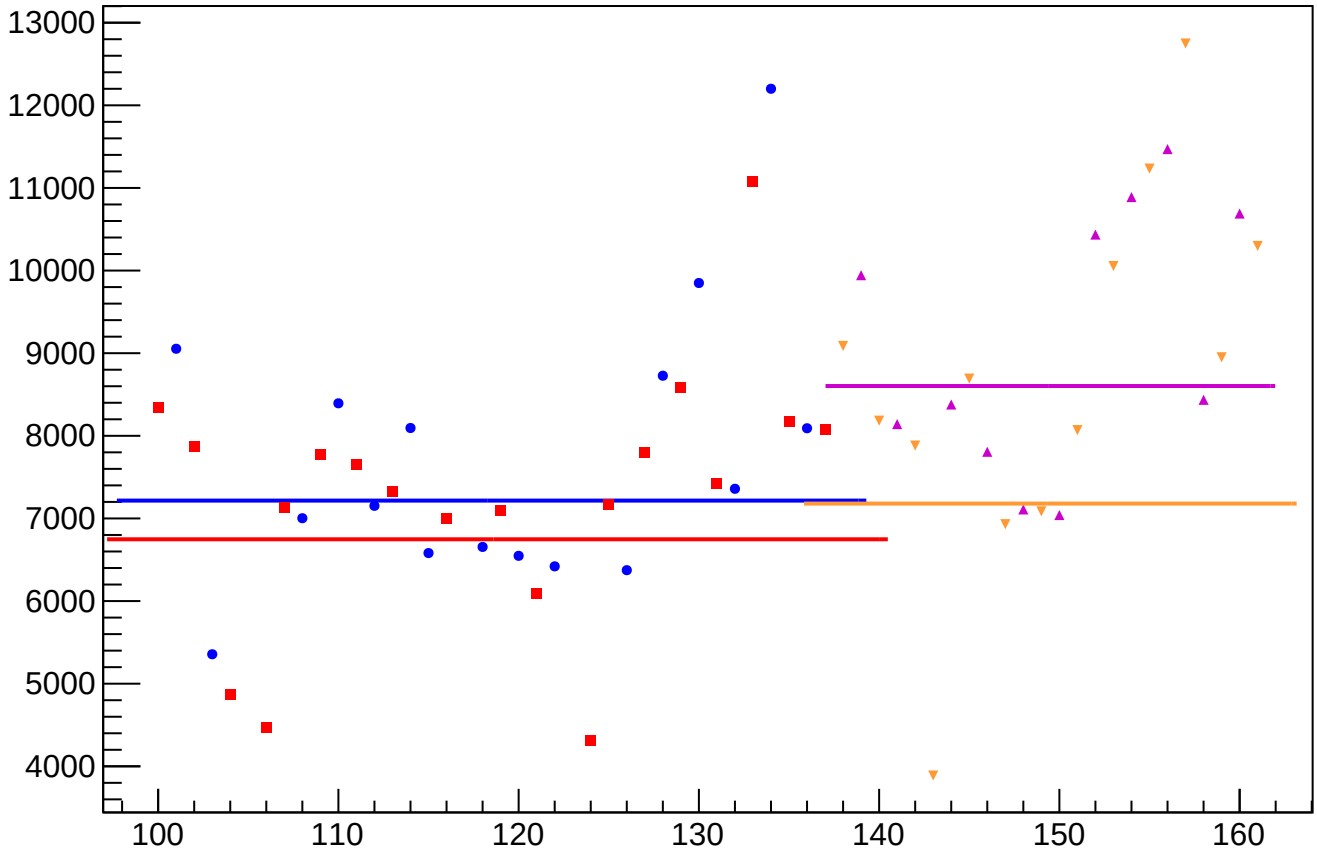
Left: 947.541+/-1819.180 χ^2/NDF: 25.2/23

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 256.292+/-1968.414 χ^2/NDF:21.2/26

Out: -453.674+/-1737.943 χ^2/NDF:36.4/31

All: -142.668+/-1302.812 χ^2/NDF: 57.7/58



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7179.810+/-1.679 χ^2/NDF:2202655.2/12

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

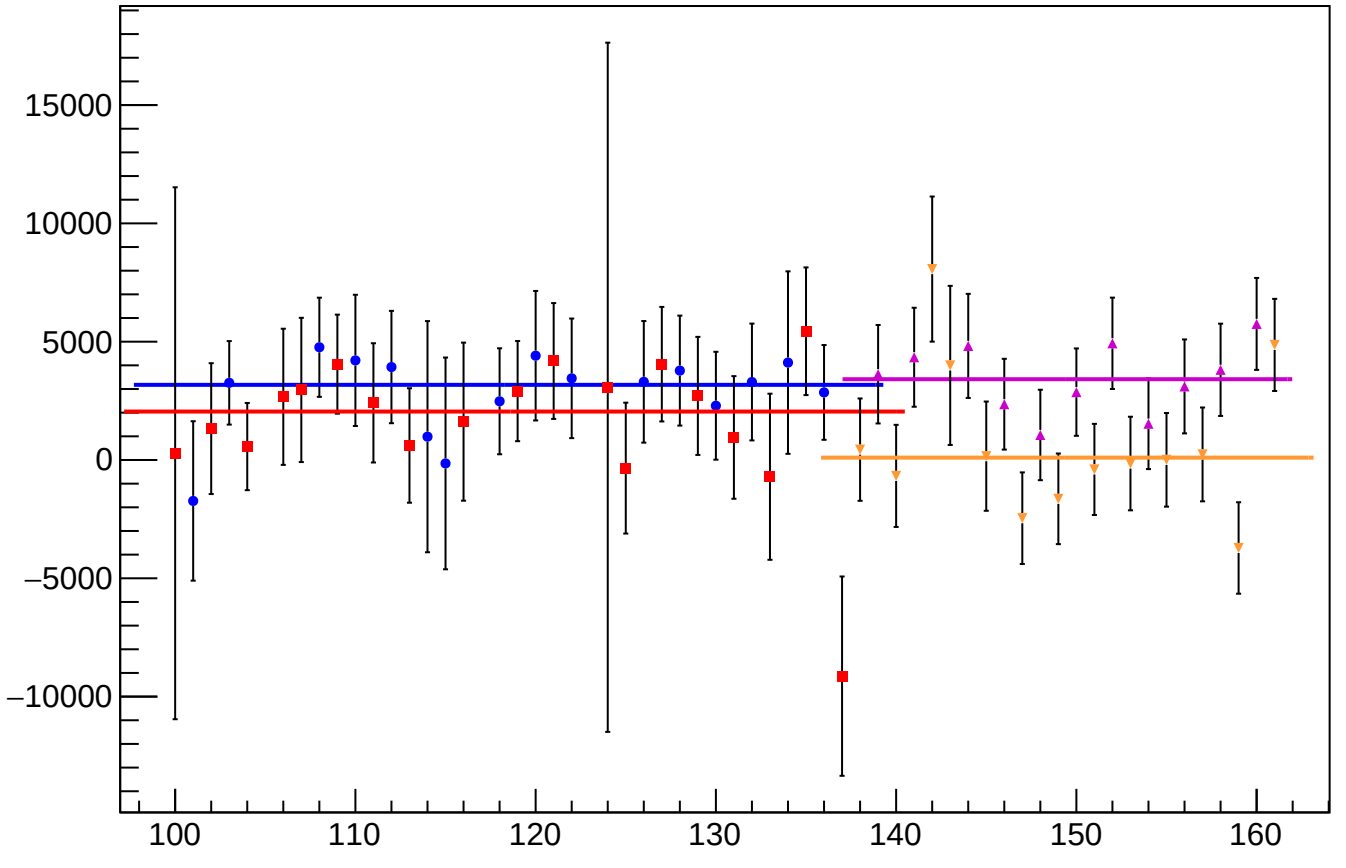
Left: 7767.882+/-1.286 χ^2/NDF: 3013483.9/23

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7887.016+/-1.392 χ^2/NDF:1274141.3/26

Out: 6979.100+/-1.229 χ^2/NDF:2942196.9/31

All: 7376.819+/-0.921 χ^2/NDF: 4455438.9/58



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.358+/-585.487 χ^2/NDF:20.8/12

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3414.266+/-594.735 χ^2/NDF:5.6/10

Left: 1730.837+/-417.233 χ^2/NDF: 42.2/23

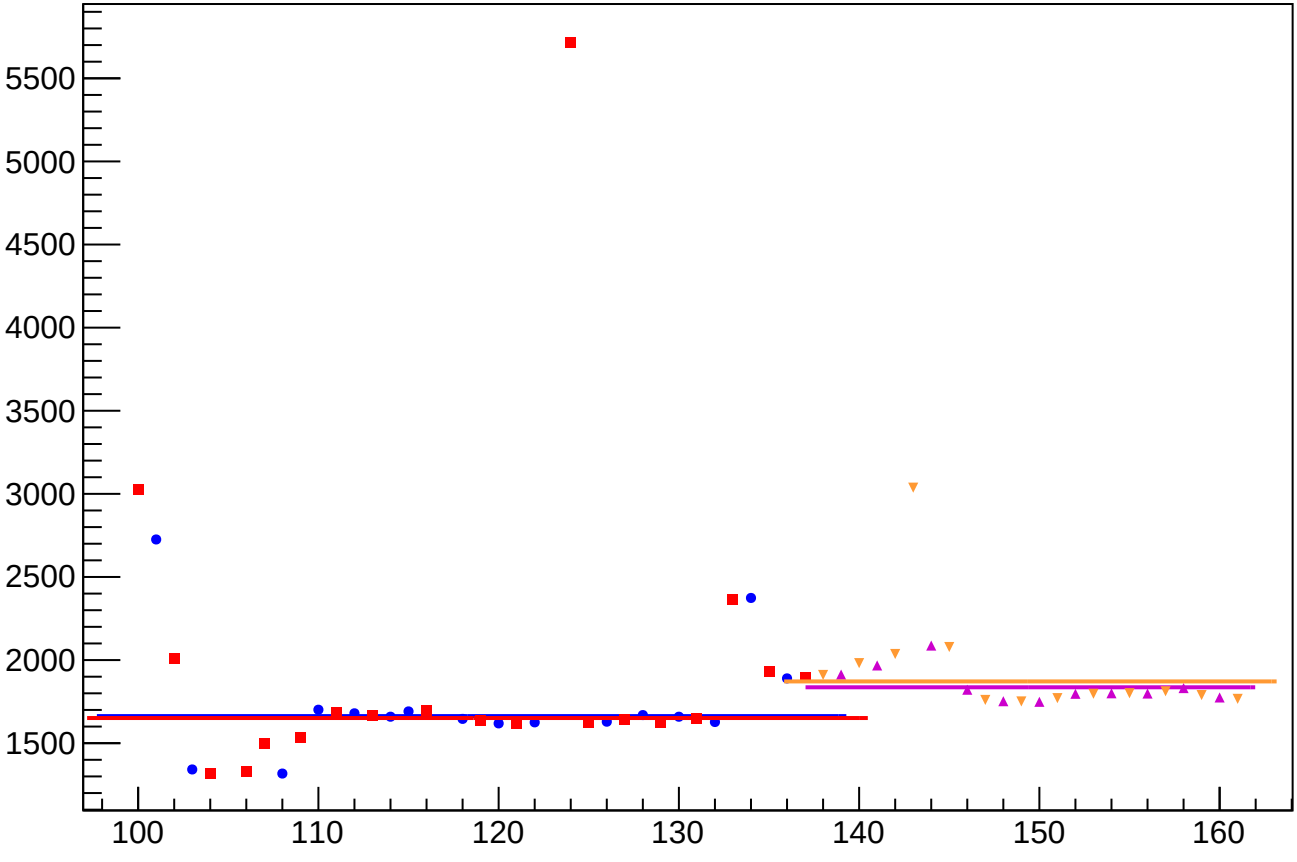
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3301.461+/-431.820 χ^2/NDF:10.0/26

Out: 1015.219+/-426.164 χ^2/NDF:40.1/31

All: 2143.270+/-303.323 χ^2/NDF: 64.3/58

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

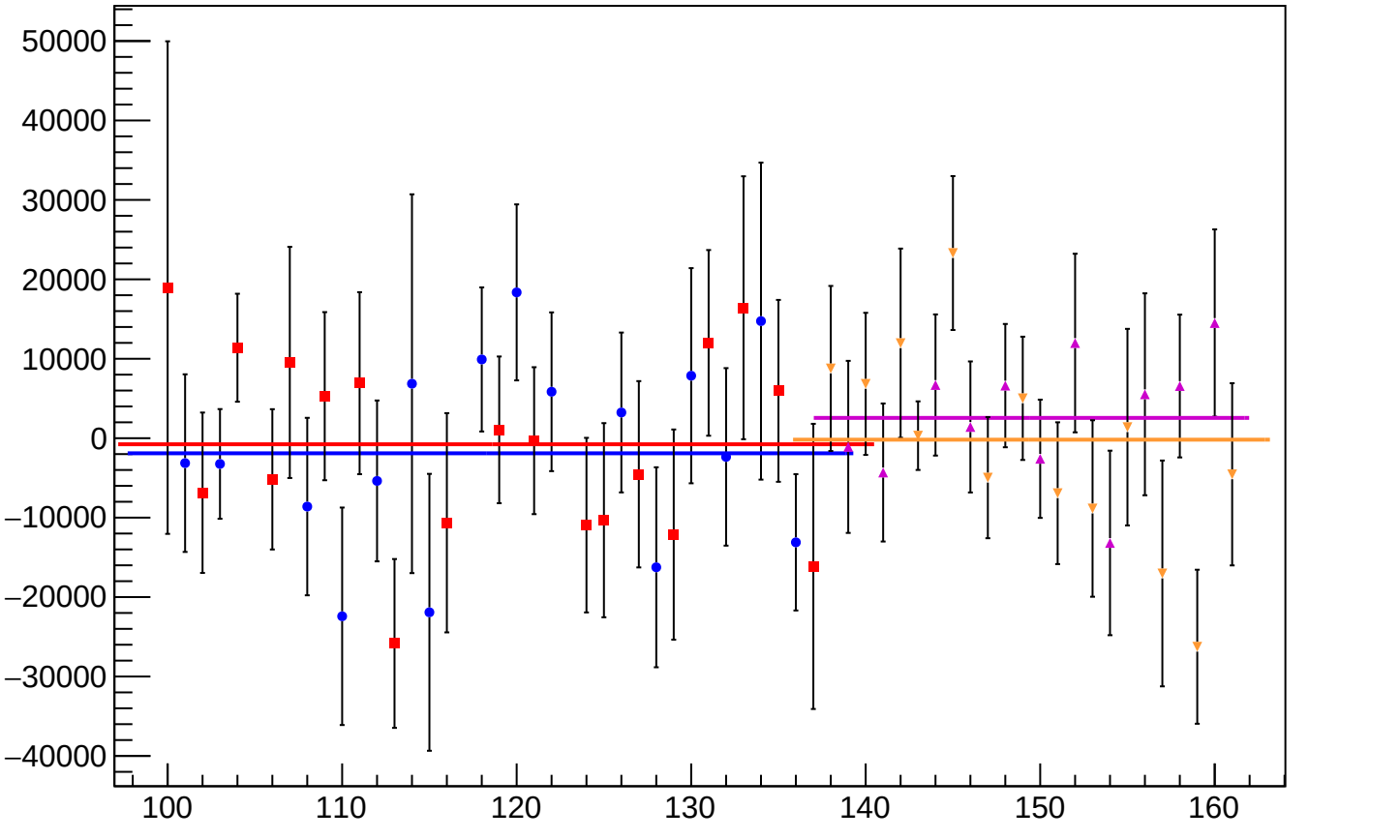
Left: 1854.178+/-0.295 χ^2/NDF: 357654.5/23

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.285+/-0.305 χ^2/NDF:545264.0/26

Out: 1768.004+/-0.301 χ^2/NDF:869798.5/31

All: 1761.235+/-0.214 χ^2/NDF: 1416085.2/58



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -185.755+/-2375.015 χ^2/NDF:19.1/12

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2556.339+/-2829.731 χ^2/NDF:5.5/10

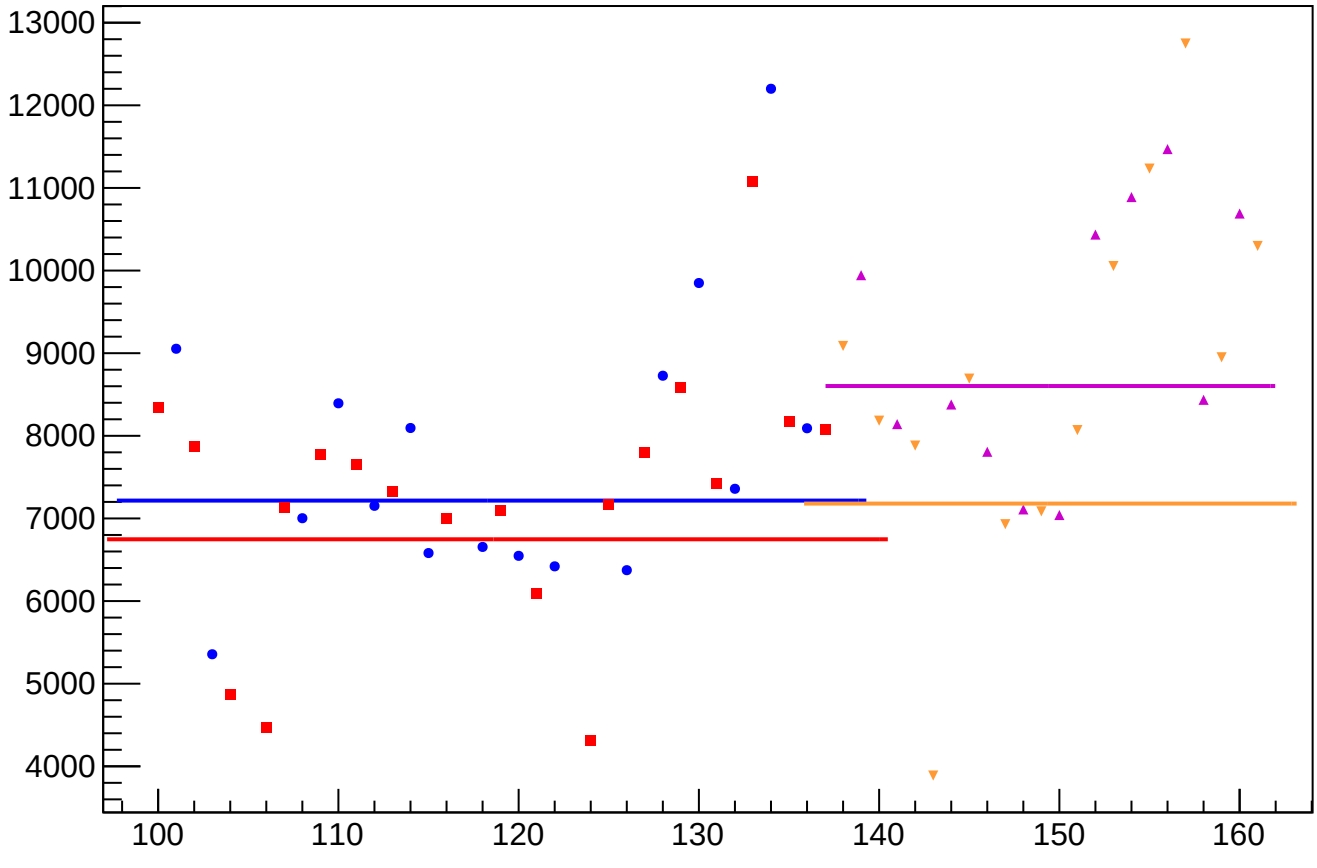
Left: 947.541+/-1819.180 χ^2/NDF: 25.2/23

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 256.292+/-1968.414 χ^2/NDF:21.2/26

Out: -453.674+/-1737.943 χ^2/NDF:36.4/31

All: -142.668+/-1302.812 χ^2/NDF: 57.7/58



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7179.810+/-1.679 χ^2/NDF:2202655.2/12

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

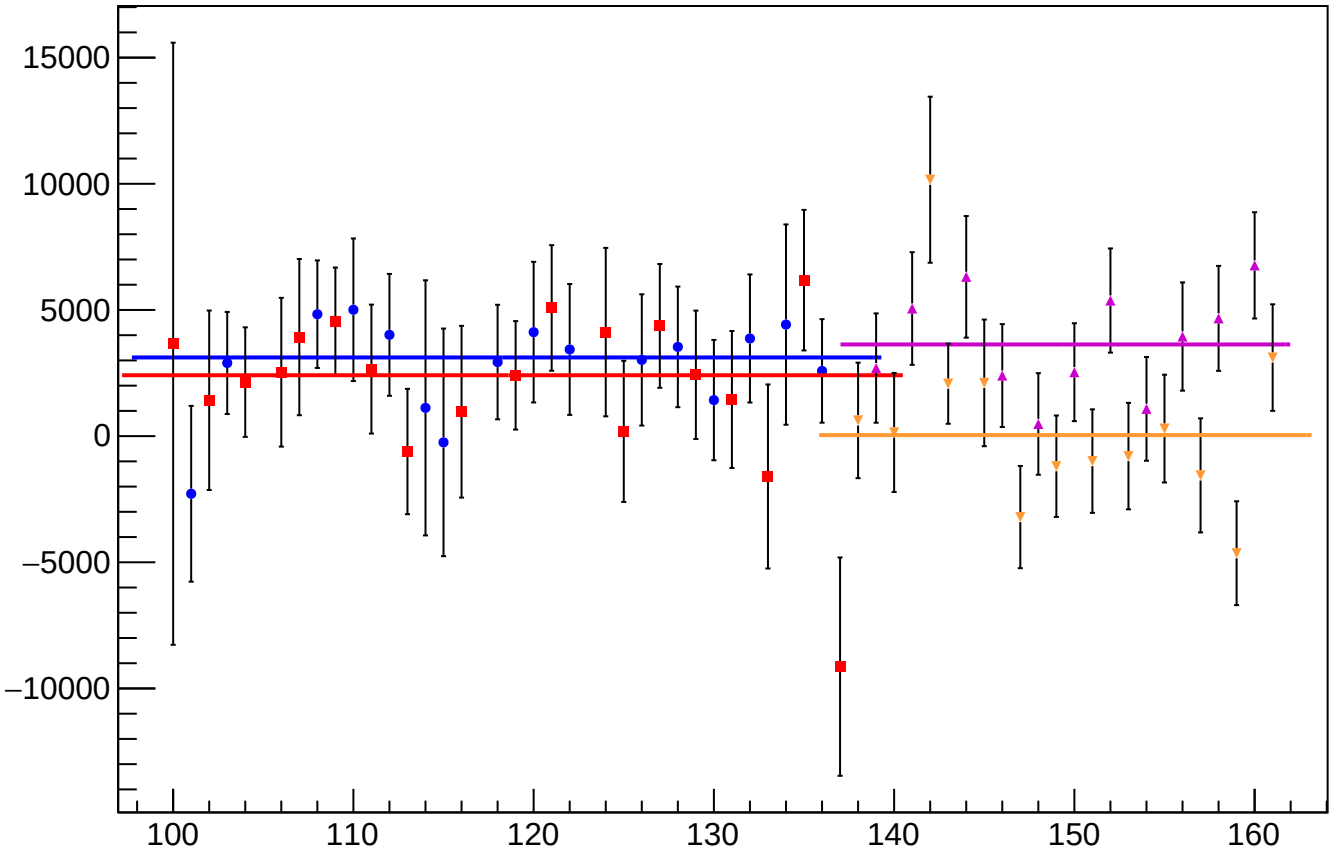
Left: 7767.882+/-1.286 χ^2/NDF: 3013483.9/23

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7887.016+/-1.392 χ^2/NDF:1274141.3/26

Out: 6979.100+/-1.229 χ^2/NDF:2942196.9/31

All: 7376.819+/-0.921 χ^2/NDF: 4455438.9/58



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 40.759+/-592.611 χ^2/NDF:23.0/12

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3632.943+/-634.461 χ^2/NDF:9.7/10

Left: 1714.481+/-433.079 χ^2/NDF: 49.8/23

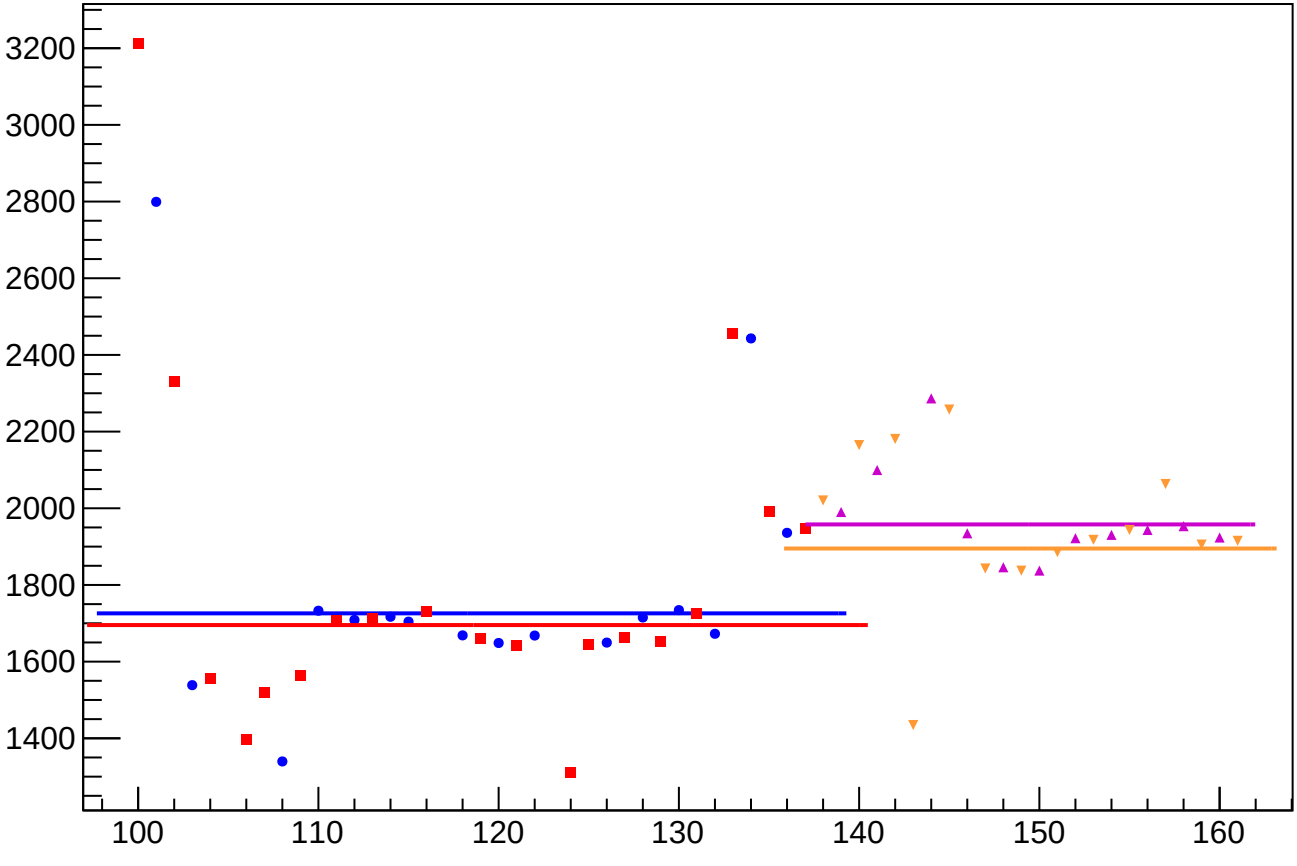
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3382.083+/-454.407 χ^2/NDF:15.3/26

Out: 1137.379+/-434.520 χ^2/NDF:46.4/31

All: 2209.539+/-314.047 χ^2/NDF: 74.5/58

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1895.079+/-0.419 χ^2/NDF:272750.4/12

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1957.903+/-0.449 χ^2/NDF:61441.8/10

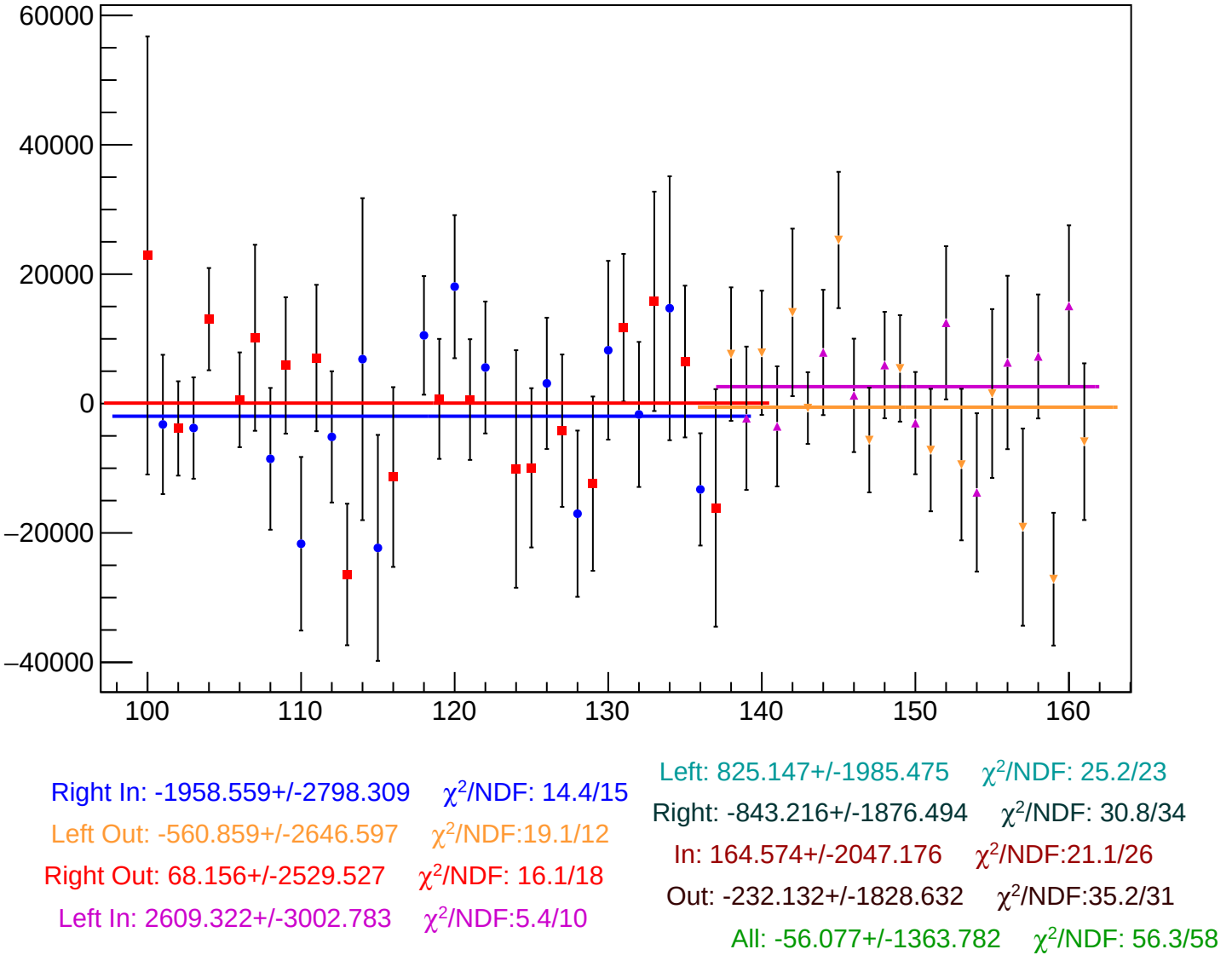
Left: 1924.351+/-0.306 χ^2/NDF: 344665.1/23

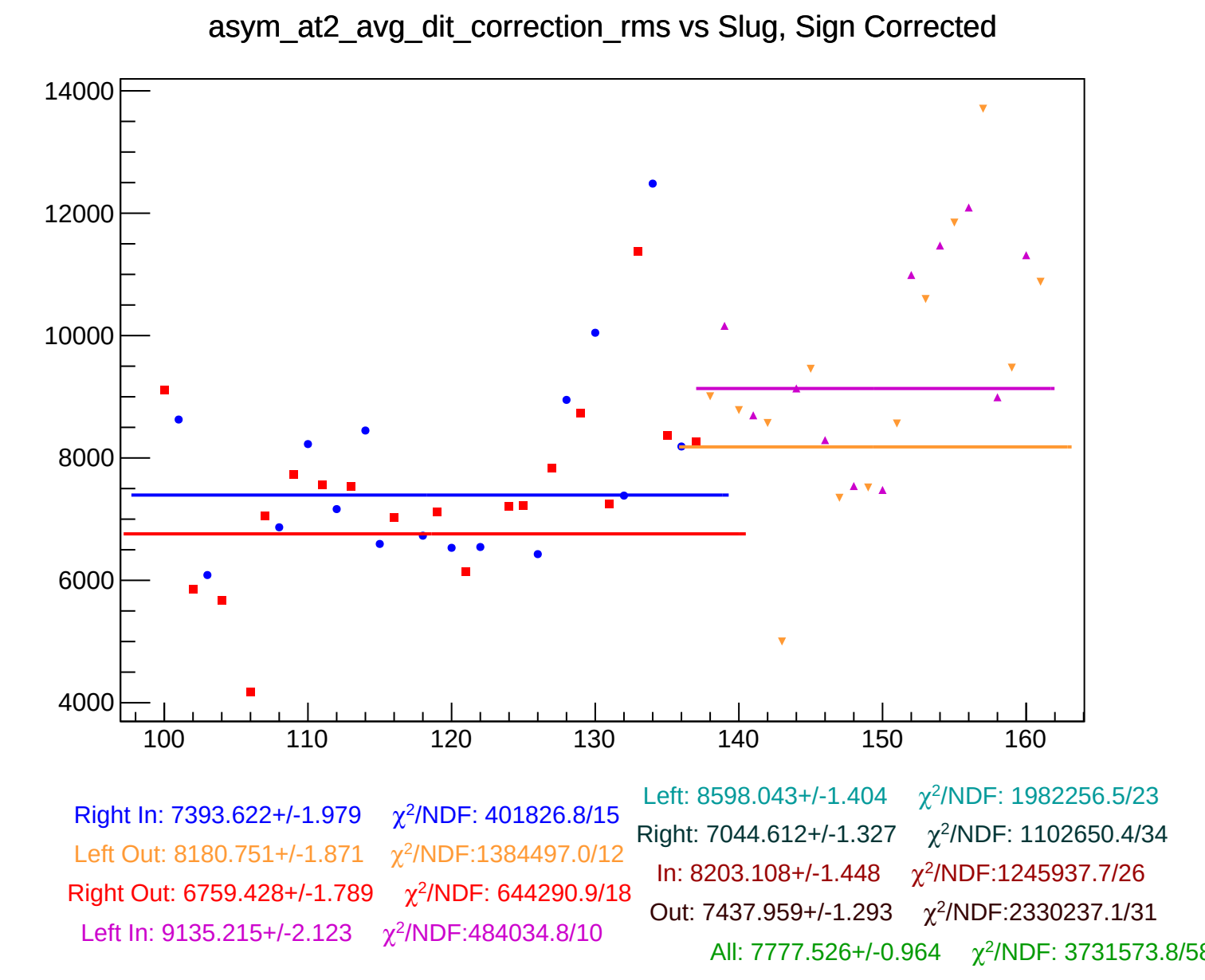
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

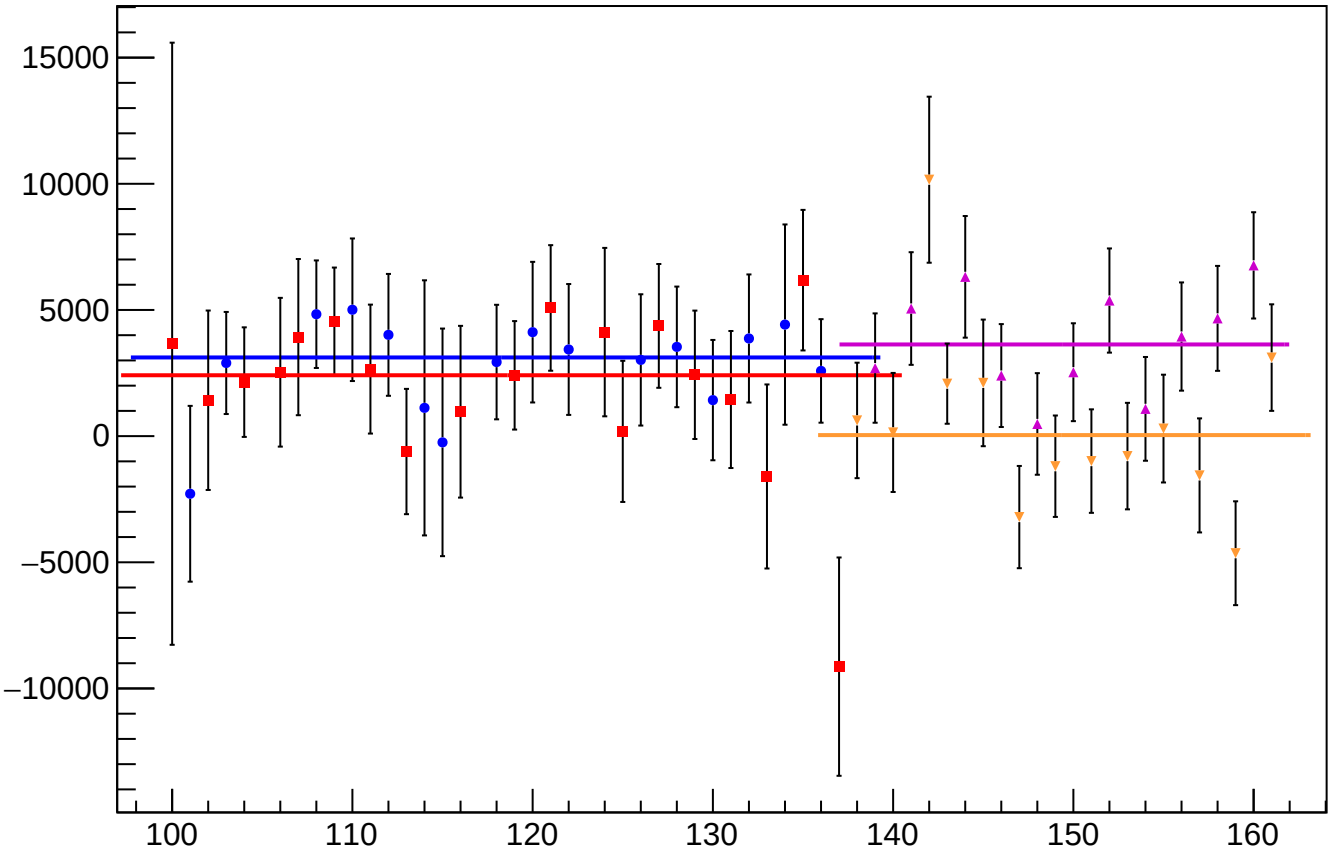
In: 1844.912+/-0.321 χ^2/NDF:557318.5/26

Out: 1802.710+/-0.307 χ^2/NDF:663418.4/31

All: 1822.864+/-0.222 χ^2/NDF: 1229749.7/58


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: -560.859+/-2646.597 χ²/NDF:19.1/12
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 2609.322+/-3002.783 χ²/NDF:5.4/10
Left: 825.147+/-1985.475 χ²/NDF: 25.2/23
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: 164.574+/-2047.176 χ²/NDF:21.1/26
Out: -232.132+/-1828.632 χ²/NDF:35.2/31
All: -56.077+/-1363.782 χ²/NDF: 56.3/58


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8180.751+/-1.871 χ²/NDF:1384497.0/12
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9135.215+/-2.123 χ²/NDF:484034.8/10
Left: 8598.043+/-1.404 χ²/NDF: 1982256.5/23
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8203.108+/-1.448 χ²/NDF:1245937.7/26
Out: 7437.959+/-1.293 χ²/NDF:2330237.1/31
All: 7777.526+/-0.964 χ²/NDF: 3731573.8/58



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 40.746+/-592.612 χ^2/NDF:23.0/12

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3632.942+/-634.462 χ^2/NDF:9.7/10

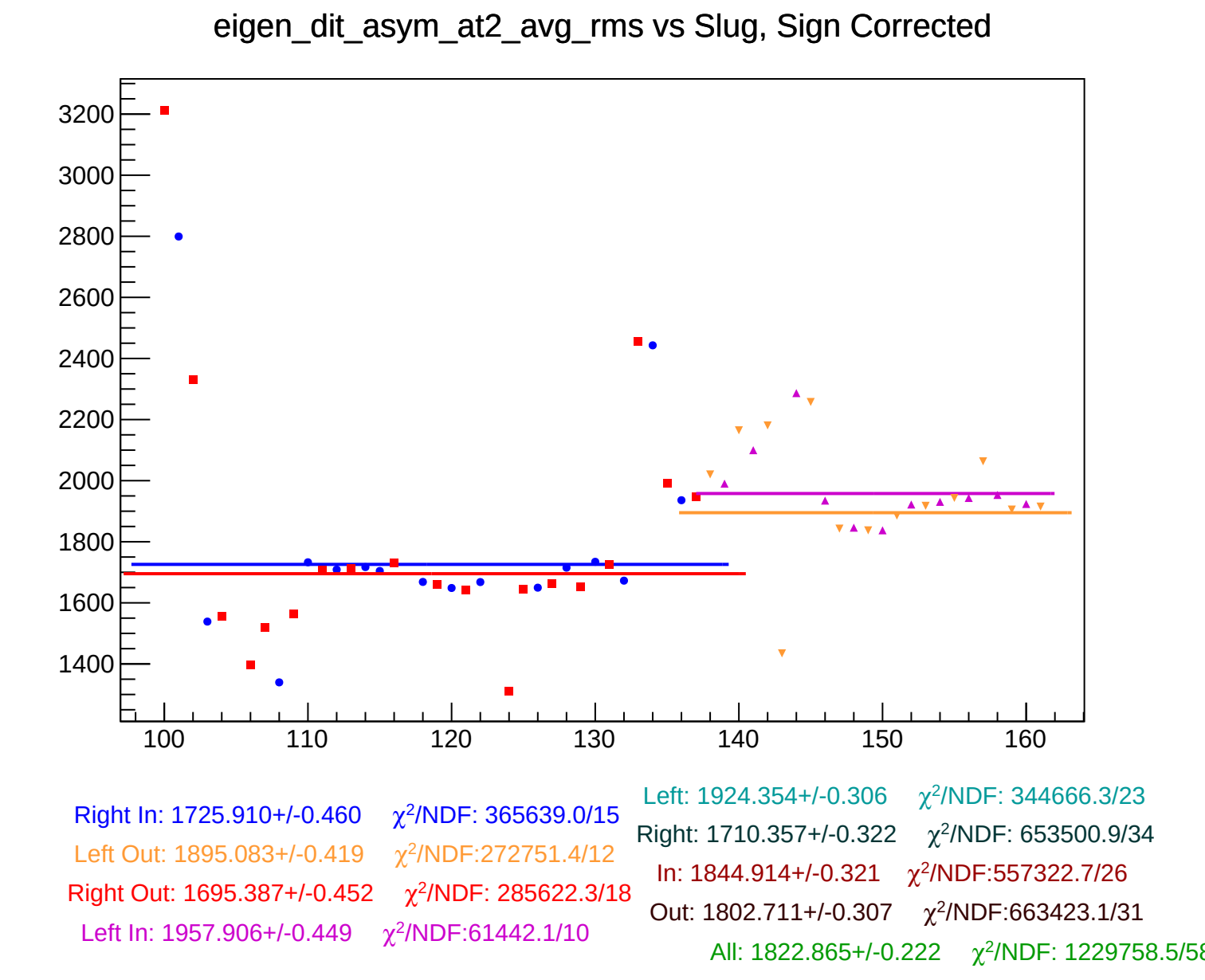
Left: 1714.474+/-433.080 χ^2/NDF: 49.8/23

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

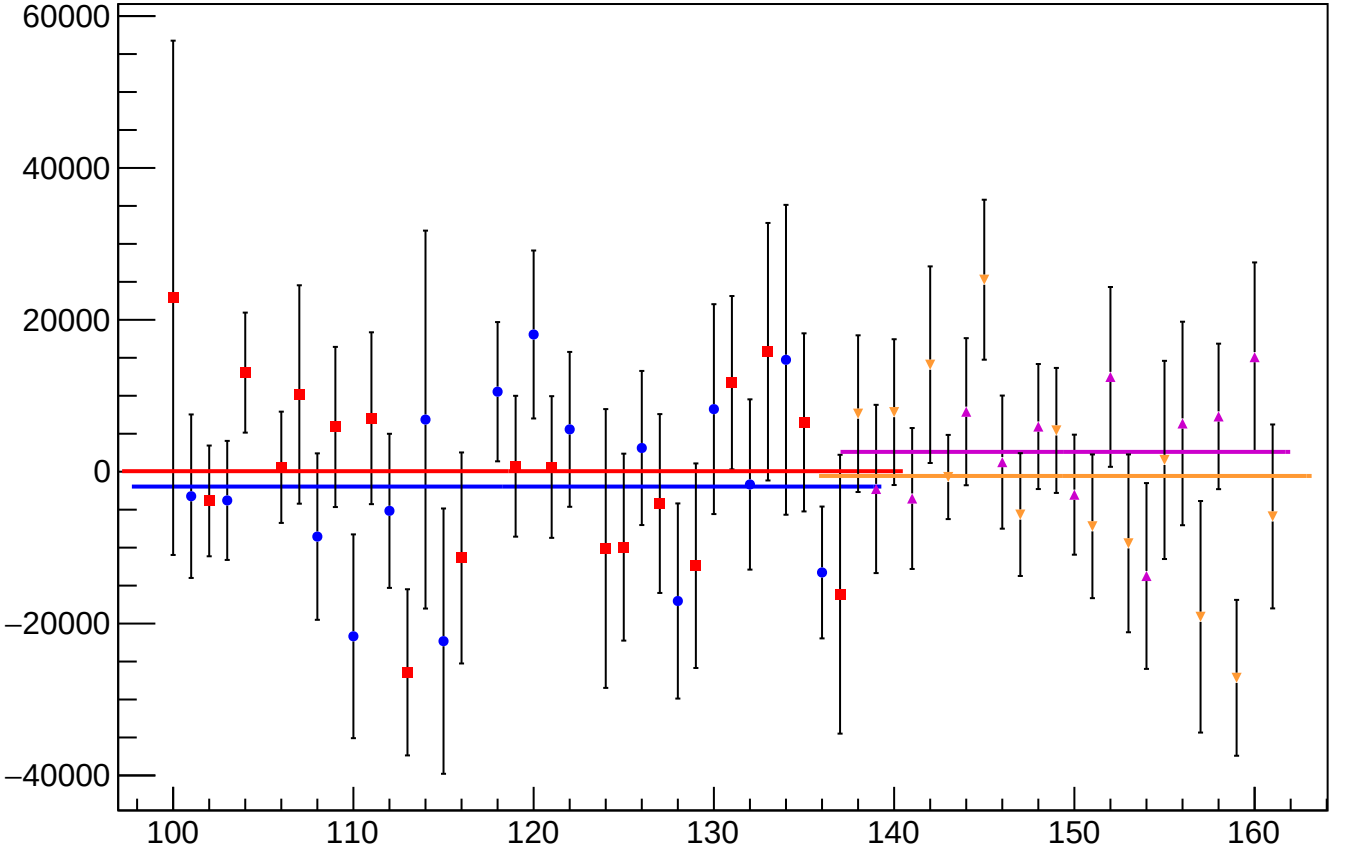
In: 3382.084+/-454.407 χ^2/NDF:15.3/26

Out: 1137.378+/-434.520 χ^2/NDF:46.4/31

All: 2209.539+/-314.047 χ^2/NDF: 74.5/58


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1895.083+/-0.419 χ²/NDF:272751.4/12
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1957.906+/-0.449 χ²/NDF:61442.1/10
Left: 1924.354+/-0.306 χ²/NDF: 344666.3/23
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1844.914+/-0.321 χ²/NDF:557322.7/26
Out: 1802.711+/-0.307 χ²/NDF:663423.1/31
All: 1822.865+/-0.222 χ²/NDF: 1229758.5/58

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -560.868+/-2646.600 χ^2/NDF:19.1/12

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2609.322+/-3002.787 χ^2/NDF:5.4/10

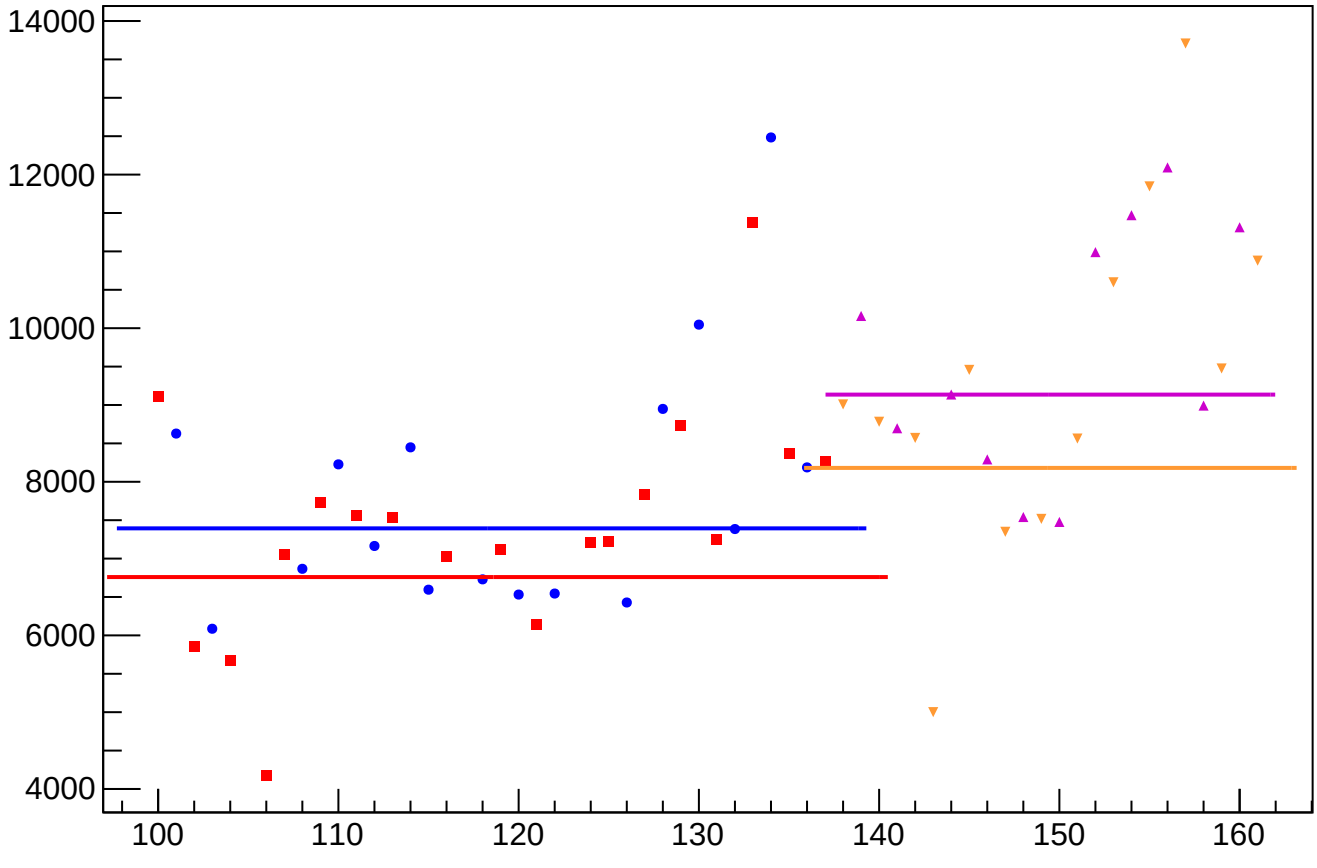
Left: 825.142+/-1985.478 χ^2/NDF: 25.2/23

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: 164.577+/-2047.175 χ^2/NDF:21.1/26

Out: -232.132+/-1828.631 χ^2/NDF:35.2/31

All: -56.075+/-1363.781 χ^2/NDF: 56.3/58



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8180.762+/-1.871 χ^2/NDF:1384495.9/12

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9135.226+/-2.123 χ^2/NDF:484035.1/10

Left: 8598.055+/-1.404 χ^2/NDF: 1982255.4/23

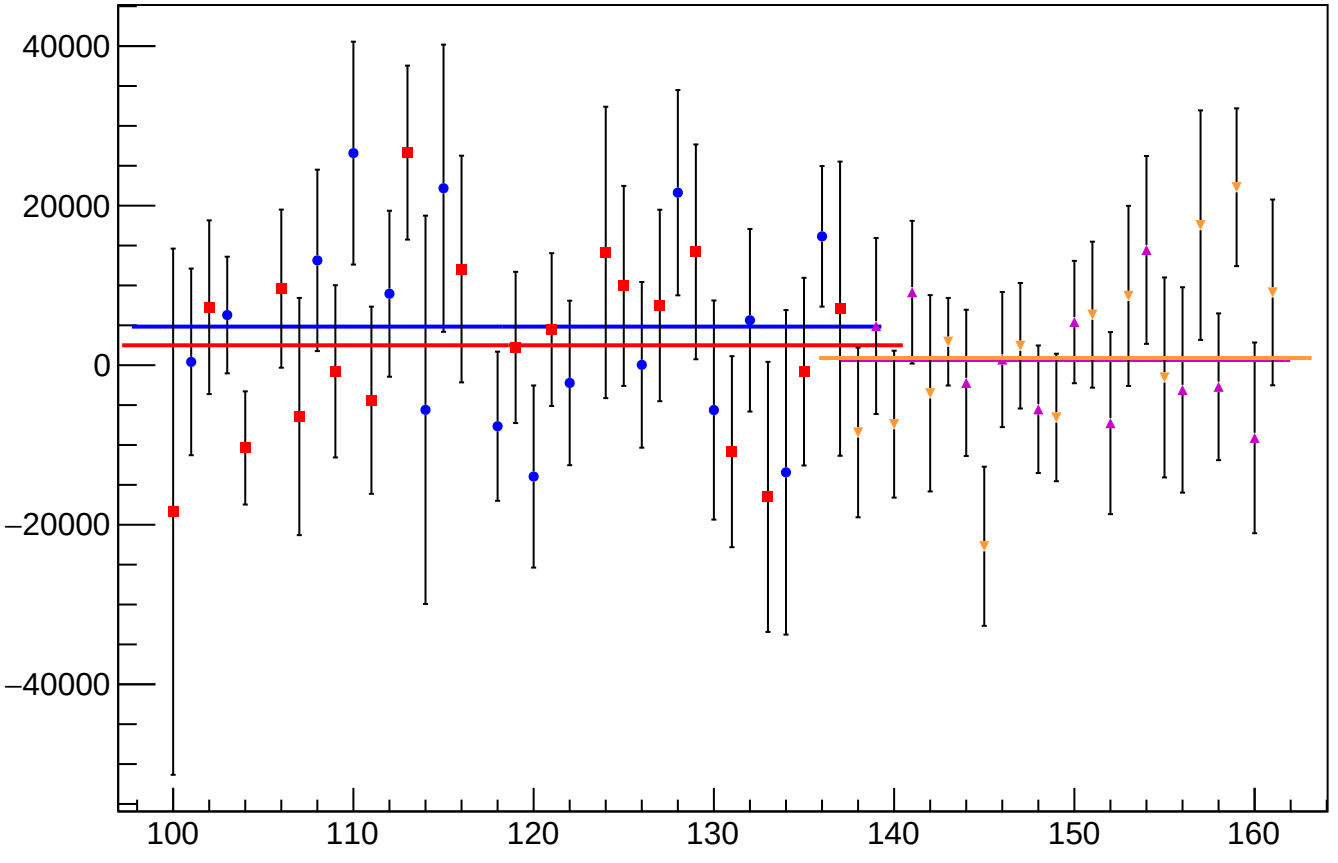
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8203.101+/-1.448 χ^2/NDF:1245952.5/26

Out: 7437.955+/-1.293 χ^2/NDF:2330246.1/31

All: 7777.520+/-0.964 χ^2/NDF: 3731596.9/58

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 898.402+/-2574.743 χ^2/NDF:15.7/12

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 654.575+/-2899.594 χ^2/NDF:4.9/10

Left: 790.907+/-1925.268 χ^2/NDF: 20.6/23

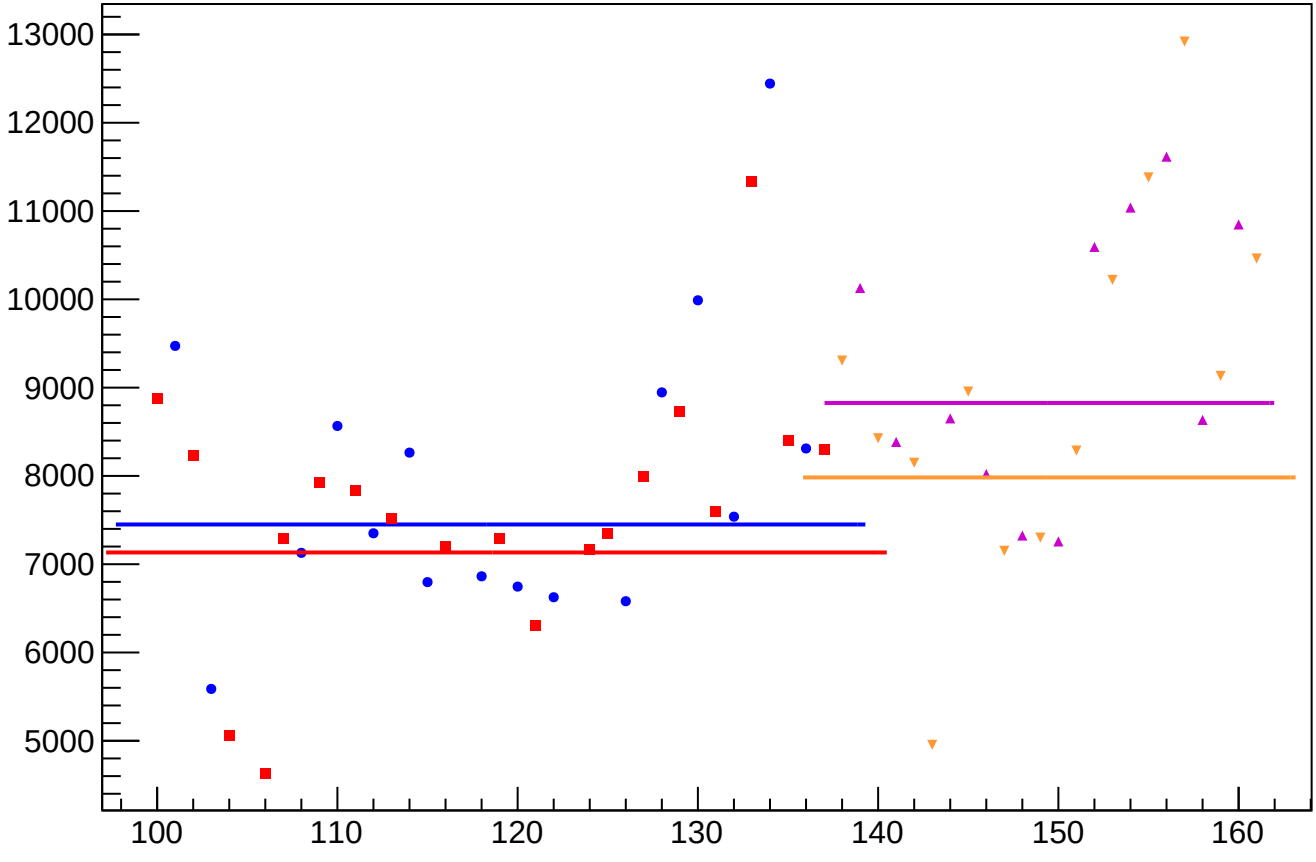
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2797.801+/-2024.872 χ^2/NDF:20.3/26

Out: 1660.531+/-1861.855 χ^2/NDF:30.9/31

All: 2181.551+/-1370.543 χ^2/NDF: 51.3/58

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7982.810+/-1.821 χ^2/NDF:1281499.3/12

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8826.374+/-2.050 χ^2/NDF:476385.9/10

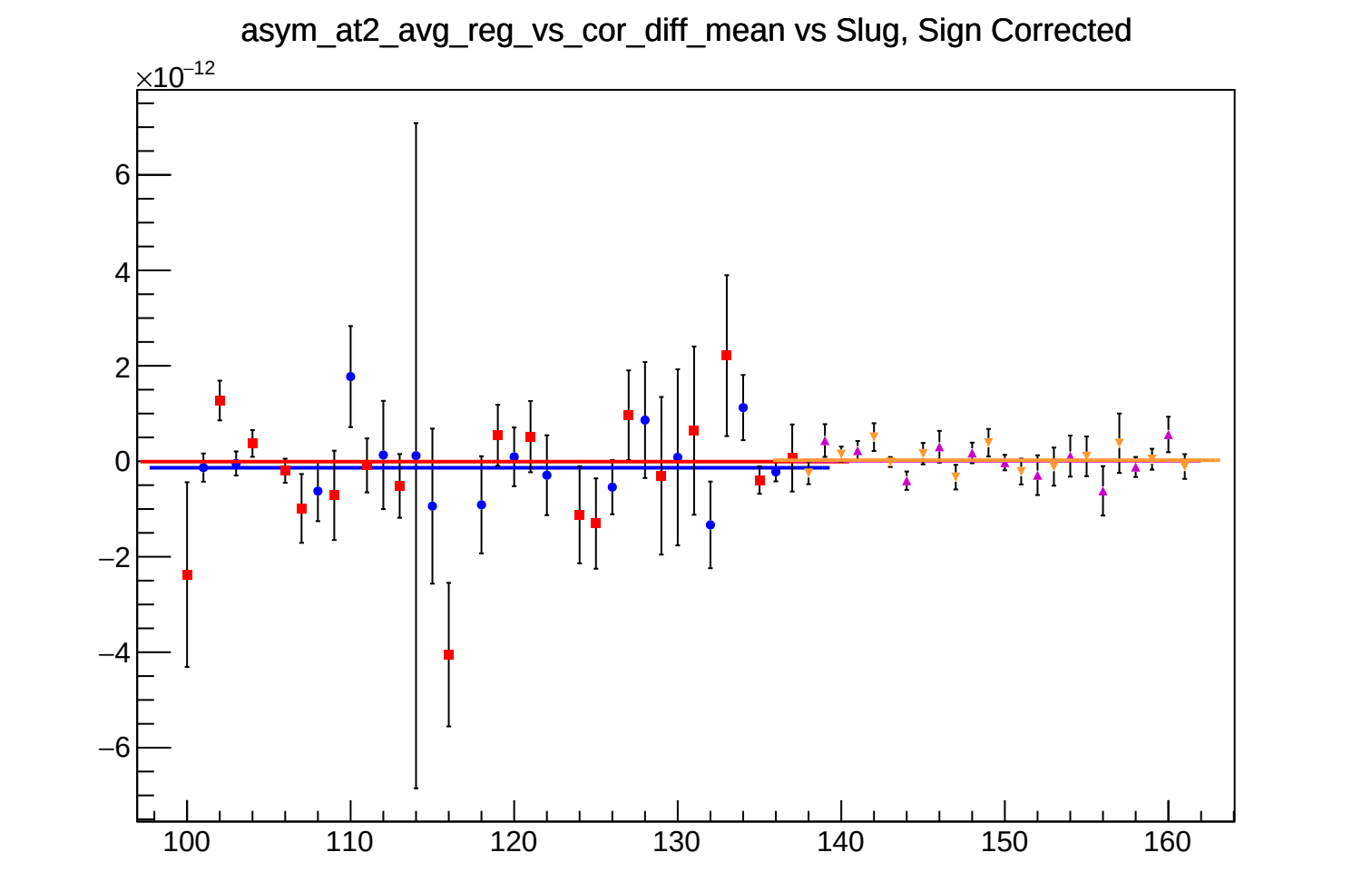
Left: 8354.710+/-1.361 χ^2/NDF: 1852532.2/23

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8121.195+/-1.432 χ^2/NDF:1193698.8/26

Out: 7577.396+/-1.316 χ^2/NDF:1942418.2/31

All: 7826.520+/-0.969 χ^2/NDF: 3214283.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

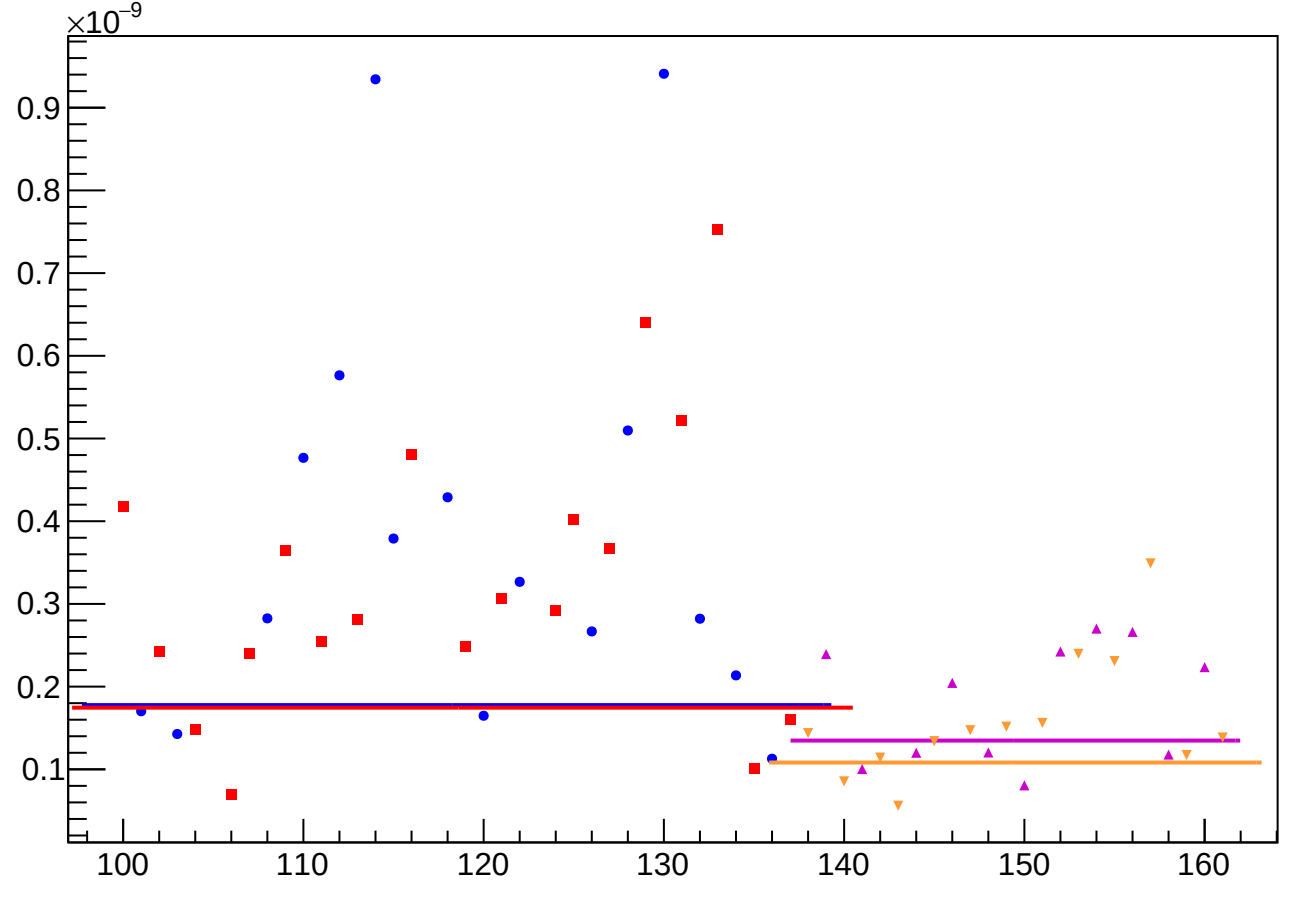
Left: 0.000+/-0.000 χ^2/NDF: 23.6/23

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:26.0/26

Out: 0.000+/-0.000 χ^2/NDF:43.0/31

All: -0.000+/-0.000 χ^2/NDF: 69.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1500681.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1165588.4/10

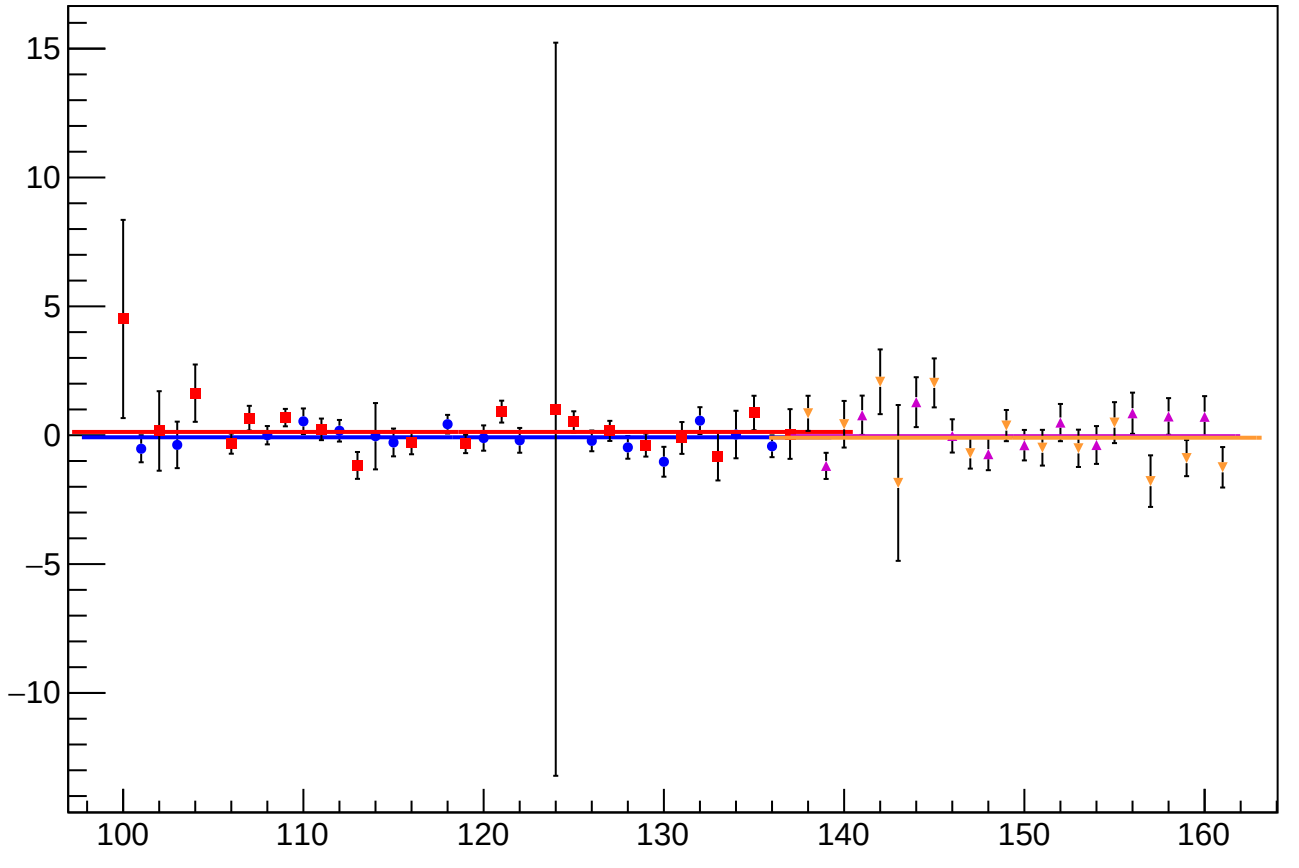
Left: 0.000+/-0.000 χ^2/NDF: 2816062.3/23

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2878291.4/26

Out: 0.000+/-0.000 χ^2/NDF:3610853.5/31

All: 0.000+/-0.000 χ^2/NDF: 6680001.4/58



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.037+/-0.207 χ^2/NDF:13.8/10

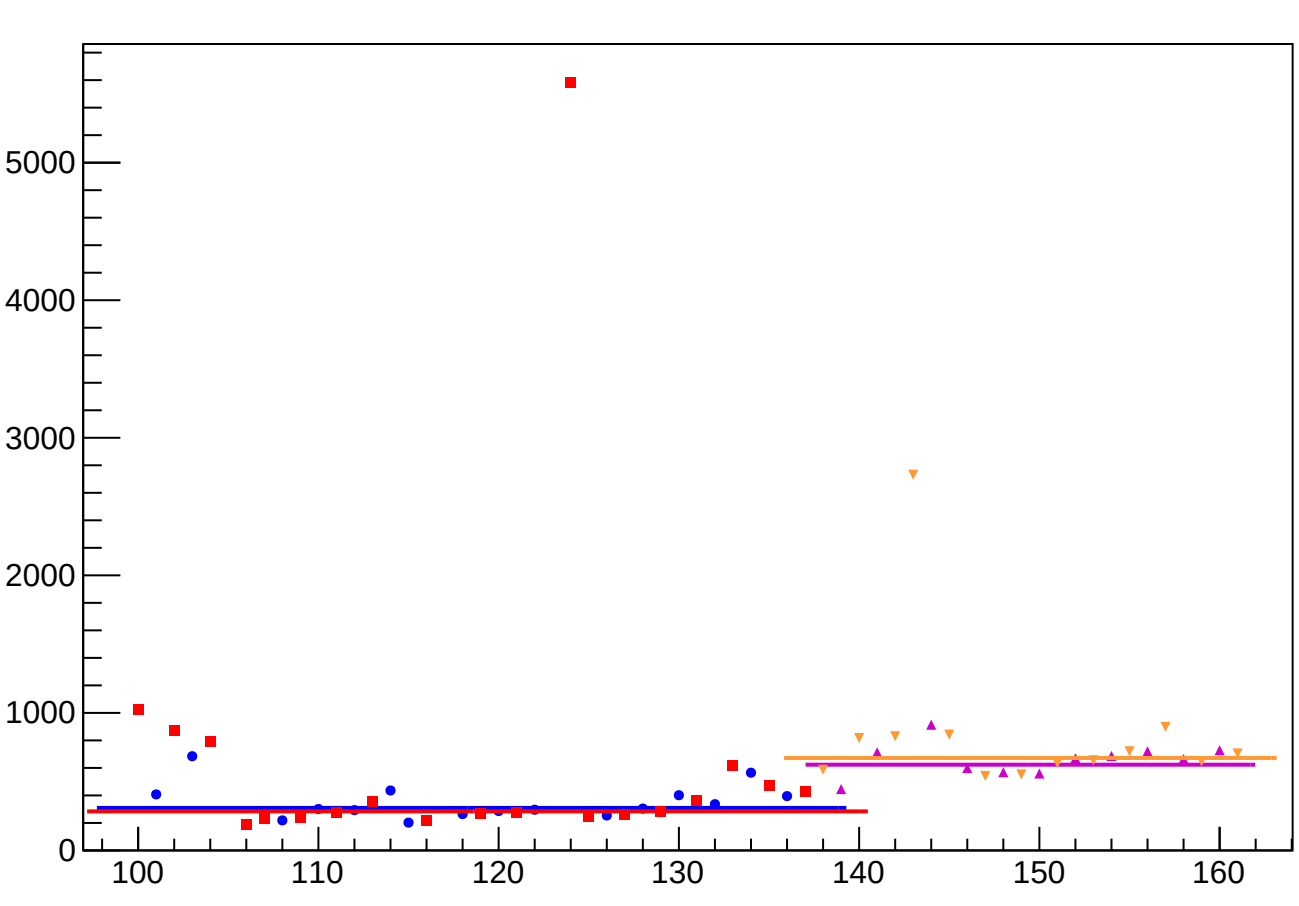
Left: -0.065+/-0.150 χ^2/NDF: 33.5/23

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.077+/-0.103 χ^2/NDF:45.7/31

All: 0.006+/-0.074 χ^2/NDF: 71.3/58



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.464+/-0.154 χ^2/NDF:1402846.3/12

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

Left: 646.660+/-0.106 χ^2/NDF: 2044500.5/23

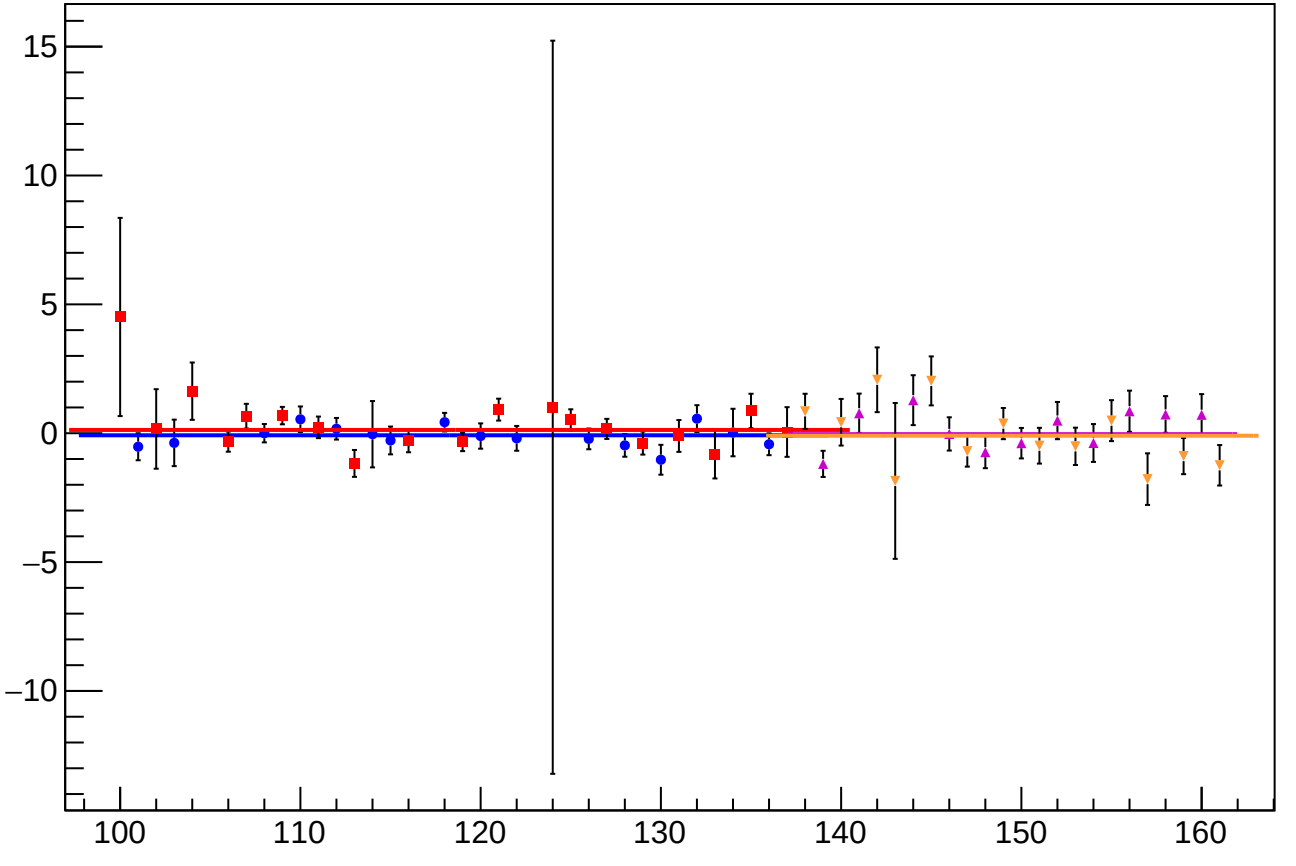
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 390.151+/-0.074 χ^2/NDF:5035147.3/26

Out: 370.777+/-0.073 χ^2/NDF:8178784.6/31

All: 380.284+/-0.052 χ^2/NDF: 13248619.4/58

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: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.037+/-0.207 χ^2/NDF:13.8/10

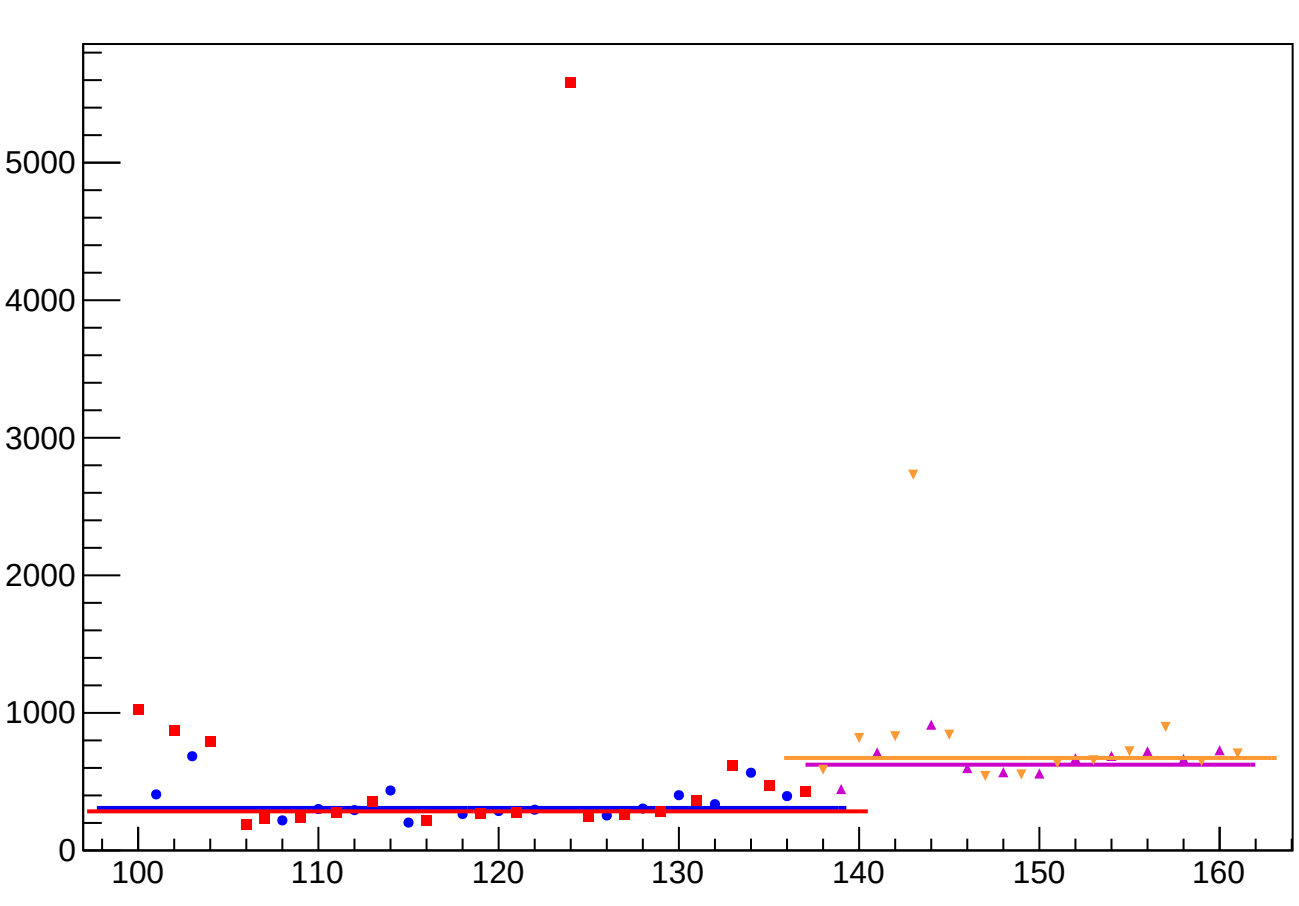
Left: -0.065+/-0.150 χ^2/NDF: 33.5/23

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.077+/-0.103 χ^2/NDF:45.7/31

All: 0.006+/-0.074 χ^2/NDF: 71.3/58



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.464+/-0.154 χ^2/NDF:1402846.3/12

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

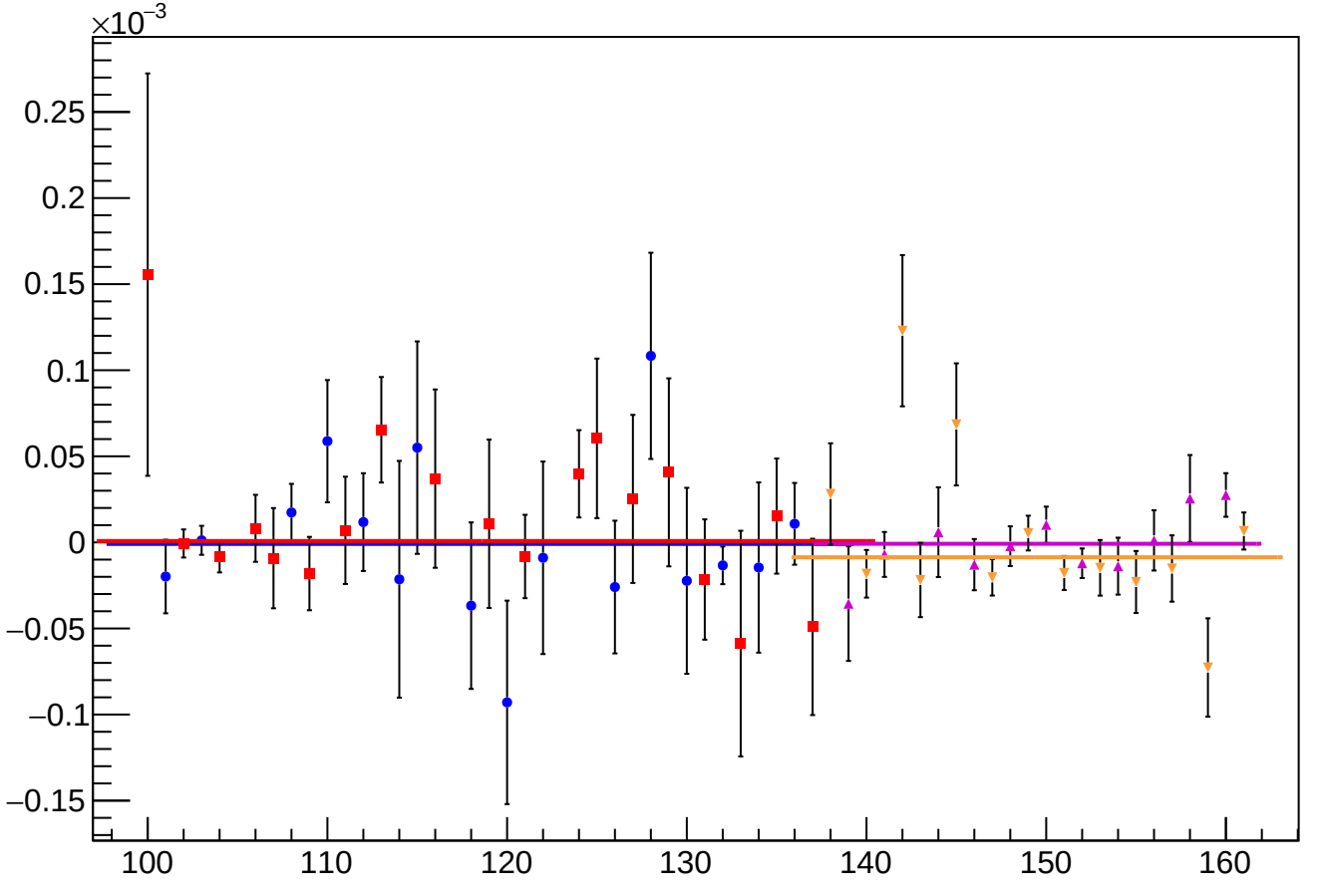
Left: 646.660+/-0.106 χ^2/NDF: 2044500.5/23

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 390.151+/-0.074 χ^2/NDF:5035147.3/26

Out: 370.777+/-0.073 χ^2/NDF:8178784.6/31

All: 380.284+/-0.052 χ^2/NDF: 13248619.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/10

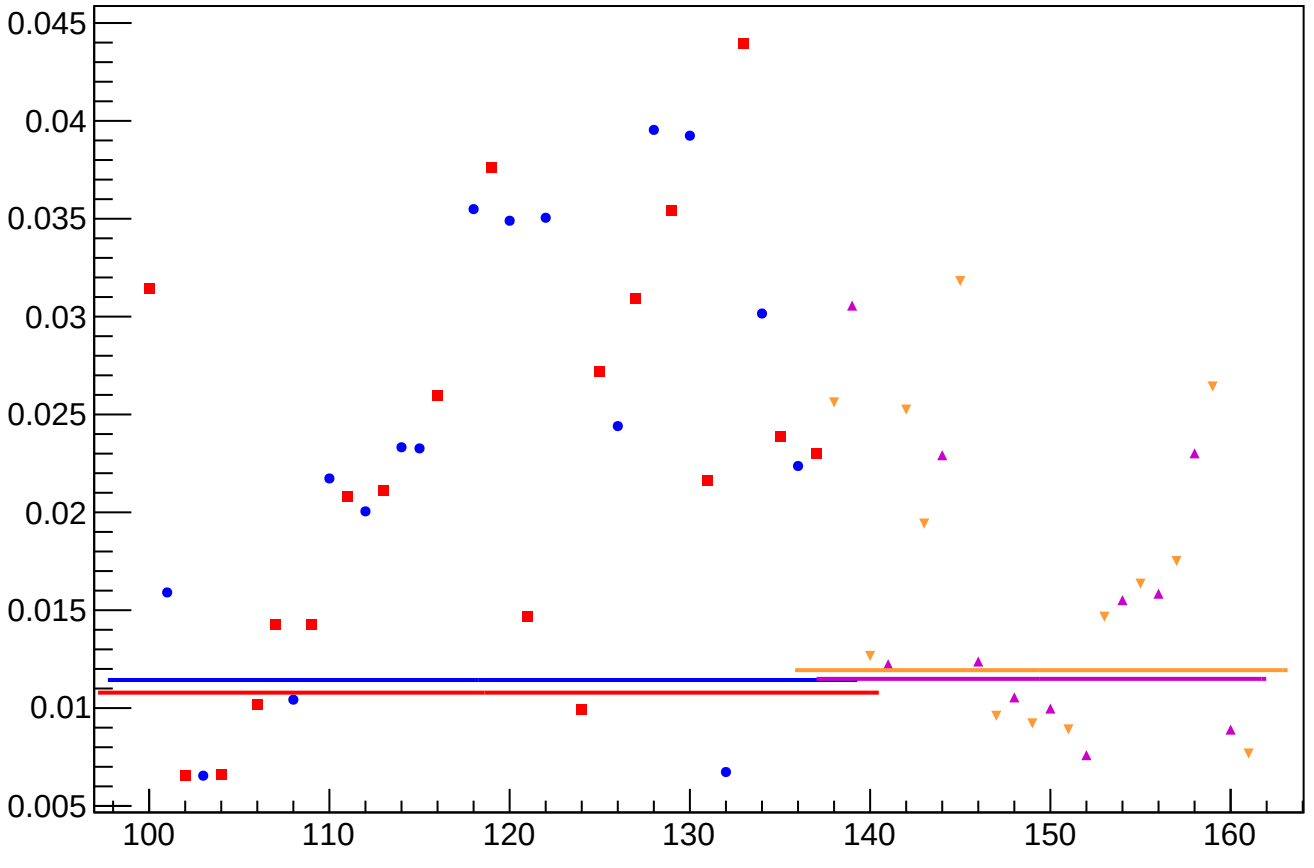
Left: -0.000+/-0.000 χ^2/NDF: 41.4/23

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.1/26

Out: -0.000+/-0.000 χ^2/NDF:46.4/31

All: -0.000+/-0.000 χ^2/NDF: 73.2/58



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:3093399.5/12

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:2263134.6/10

Left: 0.012+/-0.000 χ^2/NDF: 5367999.5/23

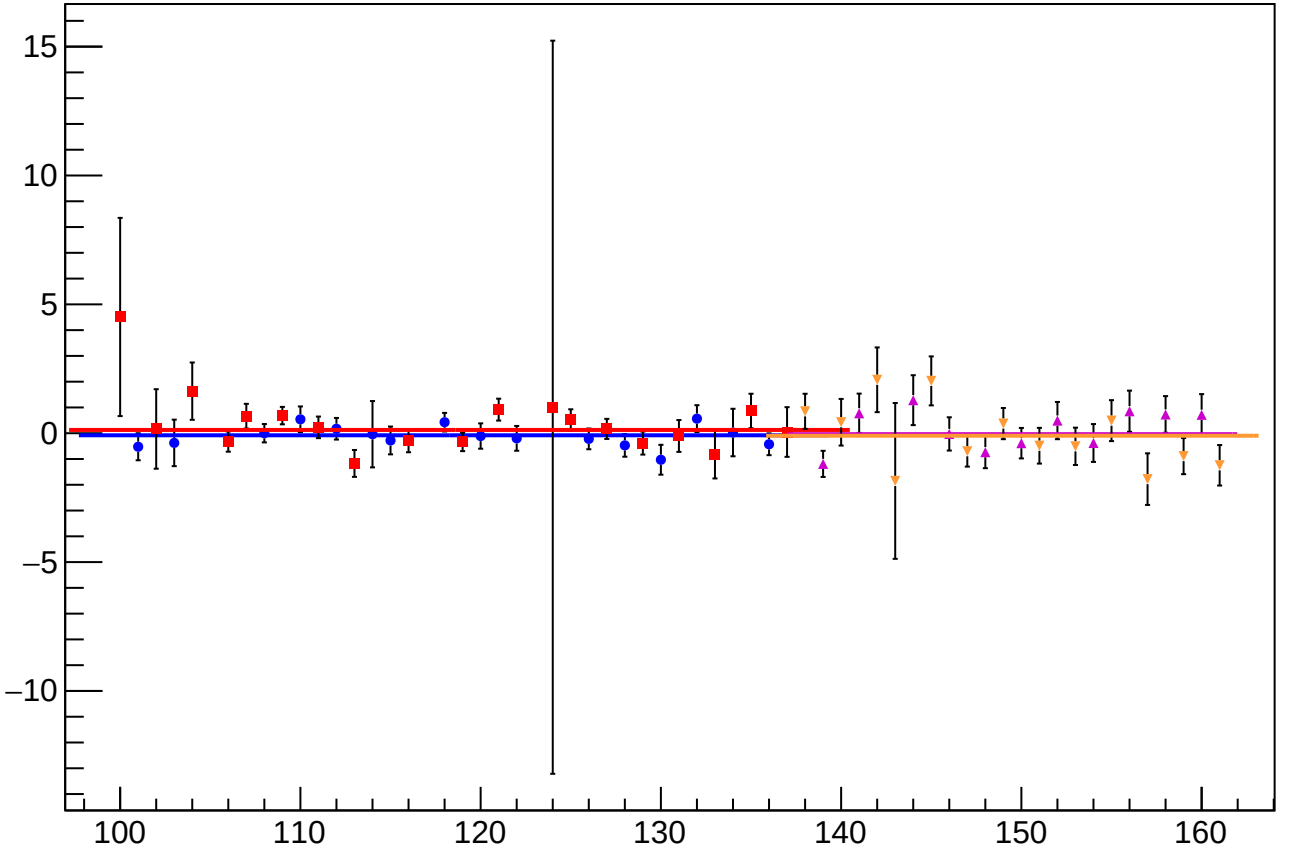
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6963224.3/26

Out: 0.011+/-0.000 χ^2/NDF:7632153.9/31

All: 0.011+/-0.000 χ^2/NDF: 14595410.1/58

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: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.037+/-0.207 χ^2/NDF:13.8/10

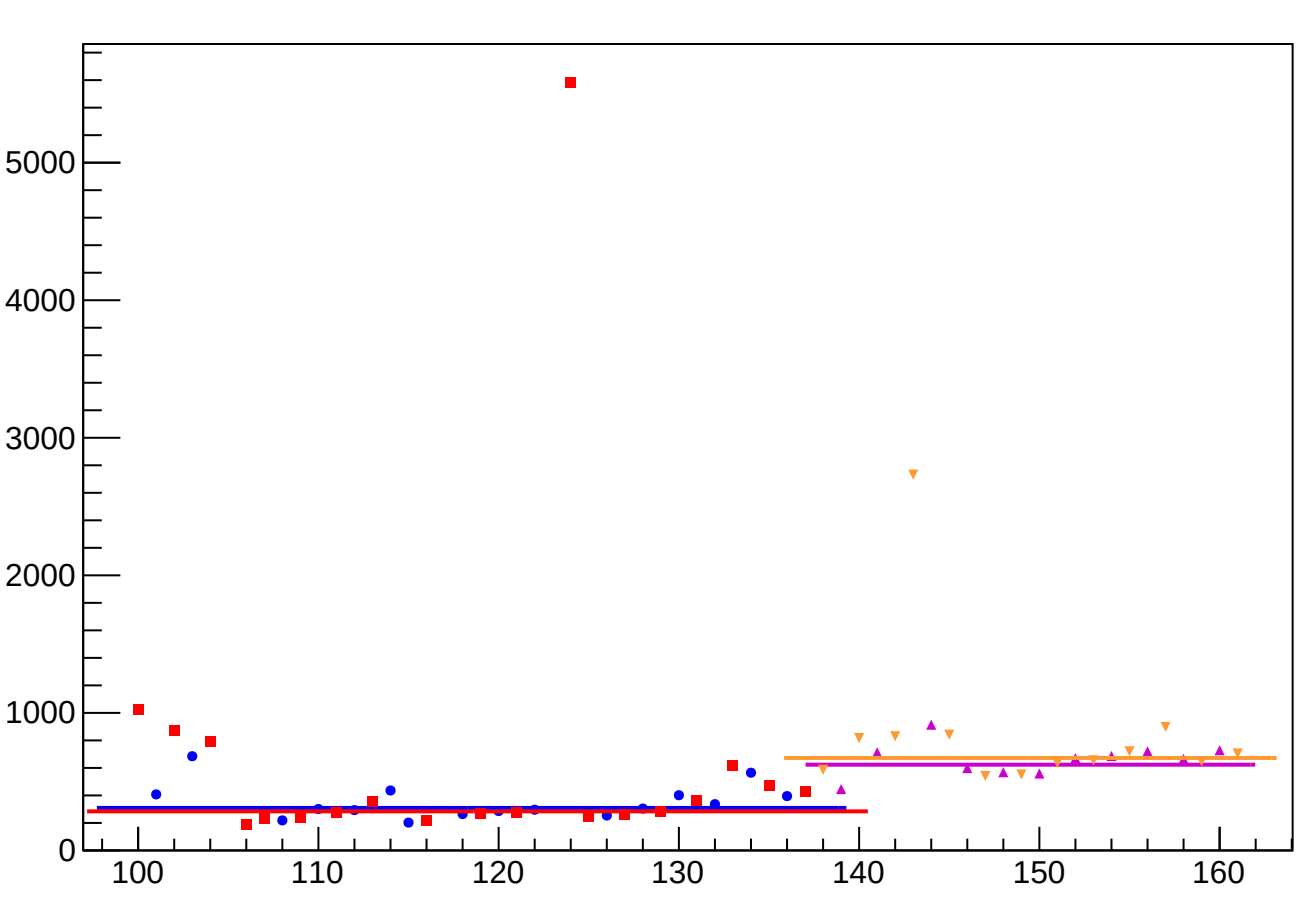
Left: -0.065+/-0.150 χ^2/NDF: 33.5/23

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.077+/-0.103 χ^2/NDF:45.7/31

All: 0.006+/-0.074 χ^2/NDF: 71.3/58



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.472+/-0.154 χ^2/NDF:1402849.1/12

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

Left: 646.668+/-0.106 χ^2/NDF: 2044483.0/23

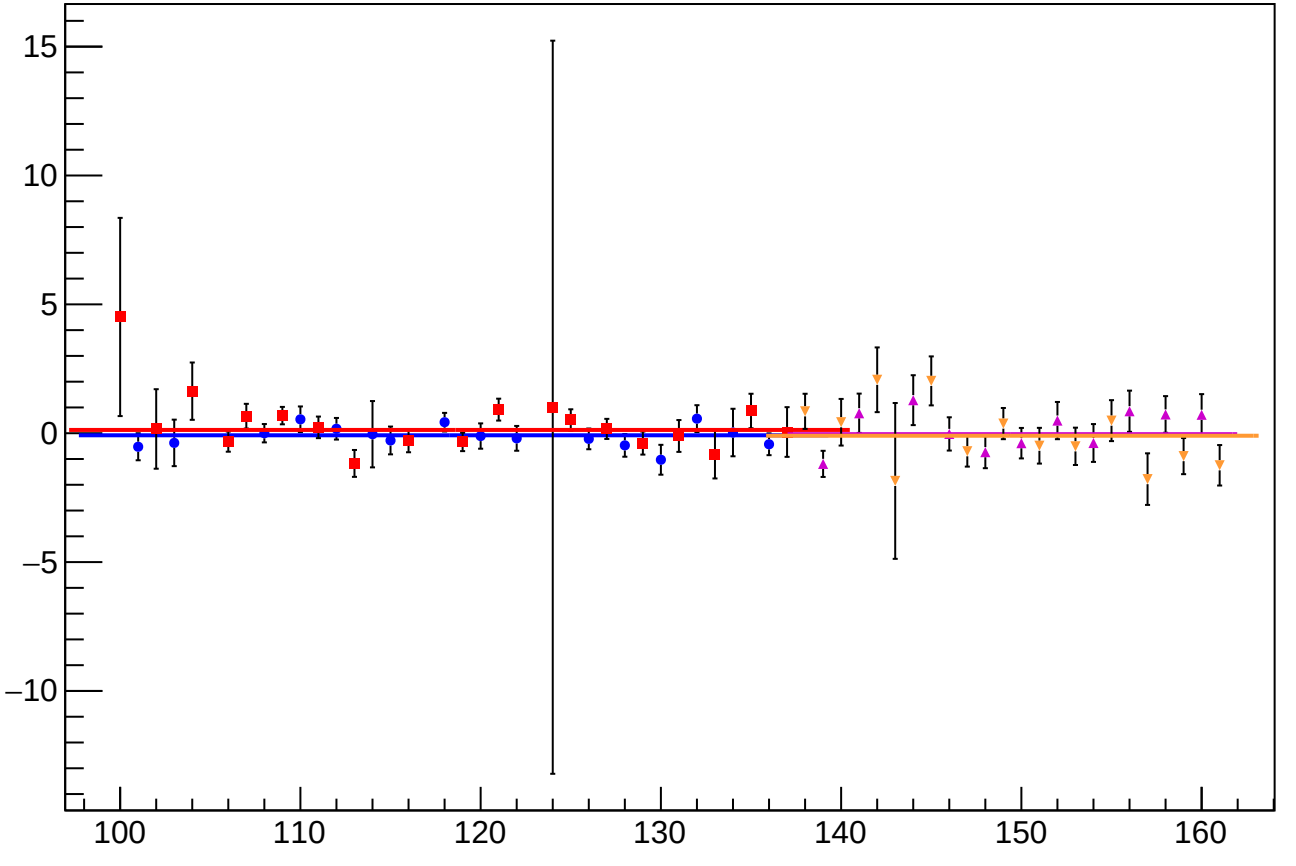
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 390.151+/-0.074 χ^2/NDF:5035243.0/26

Out: 370.776+/-0.073 χ^2/NDF:8178905.5/31

All: 380.283+/-0.052 χ^2/NDF: 13248837.2/58

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: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.037+/-0.207 χ^2/NDF:13.8/10

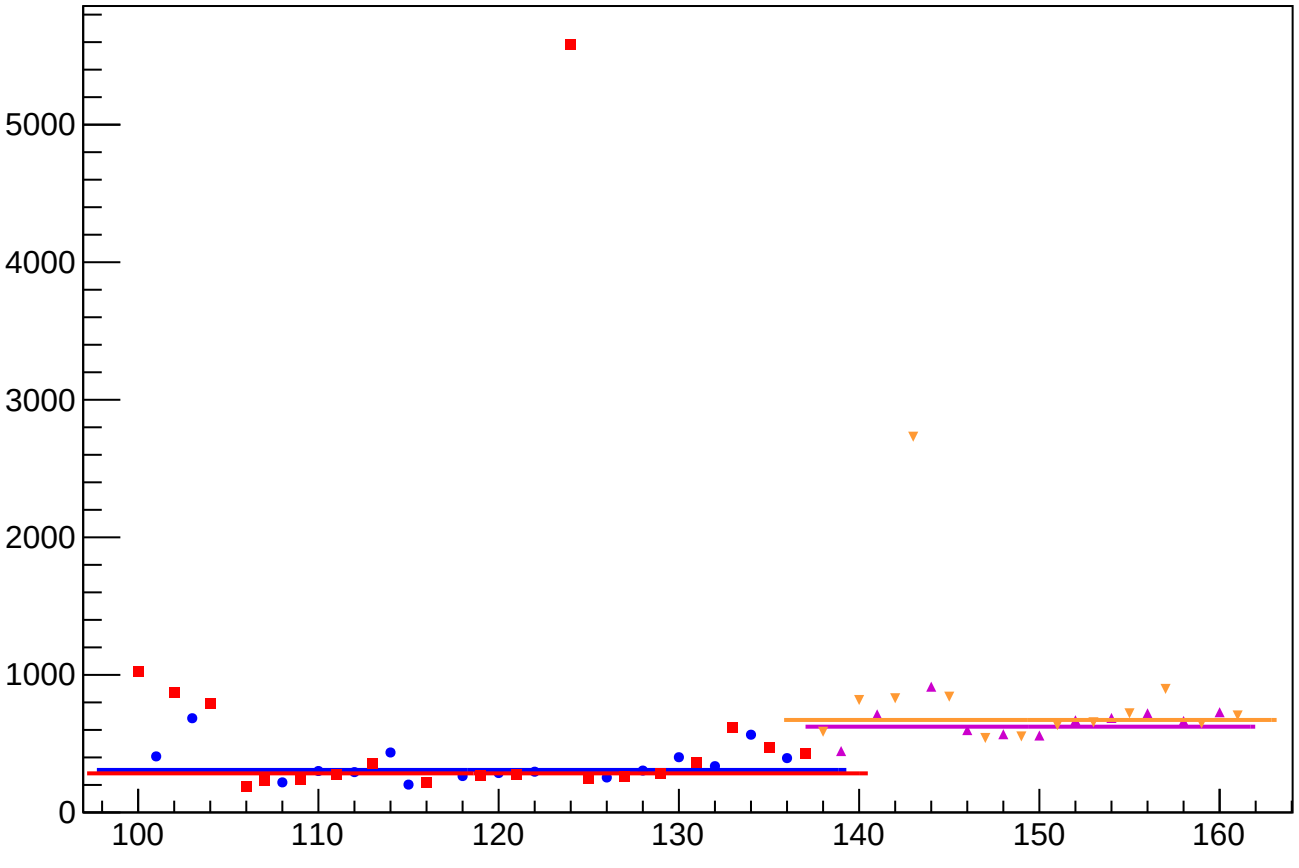
Left: -0.065+/-0.150 χ^2/NDF: 33.5/23

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.069+/-0.105 χ^2/NDF:24.6/26

Out: 0.077+/-0.103 χ^2/NDF:45.7/31

All: 0.006+/-0.074 χ^2/NDF: 71.3/58



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.472+/-0.154 χ^2/NDF:1402849.1/12

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

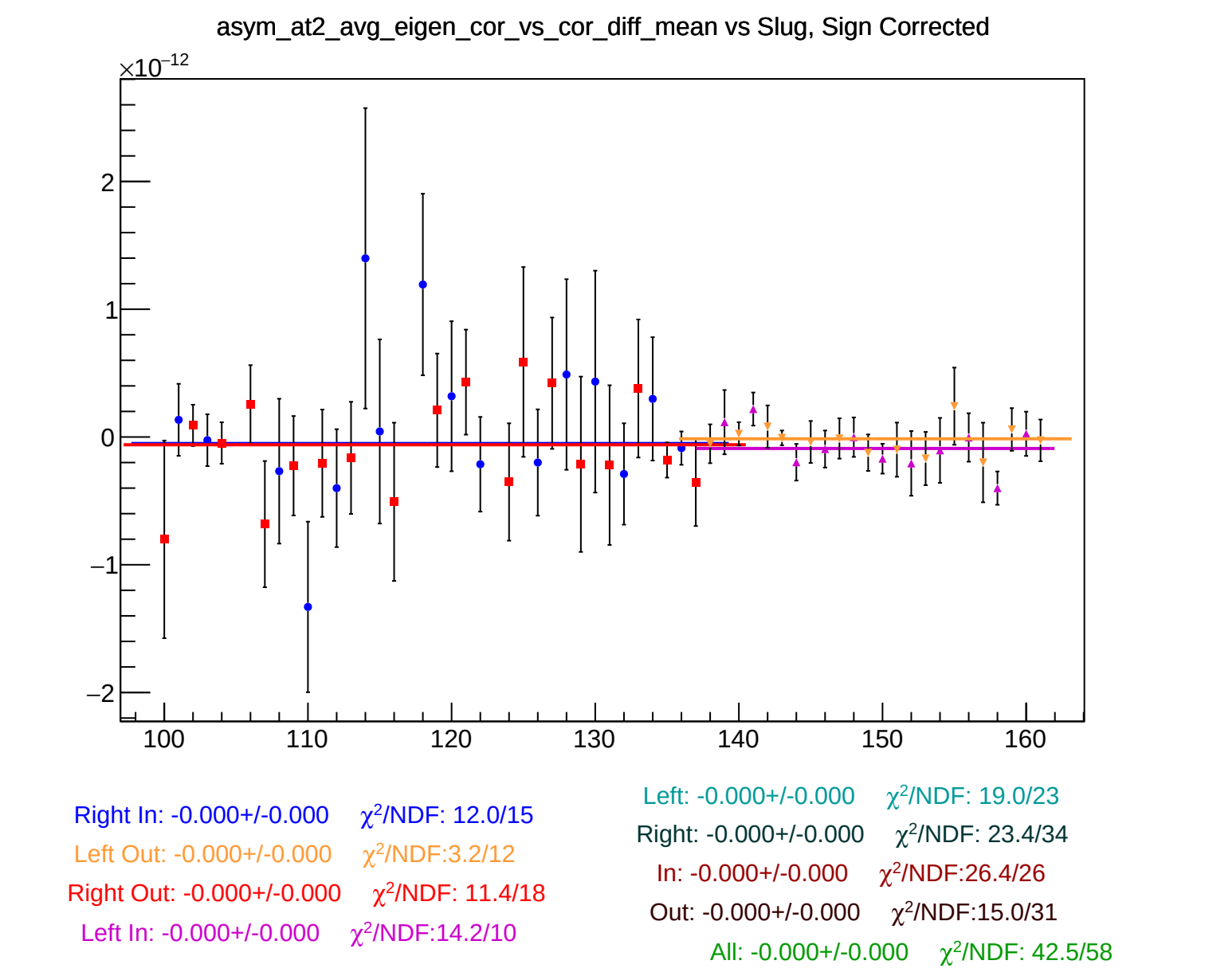
Left: 646.668+/-0.106 χ^2/NDF: 2044483.0/23

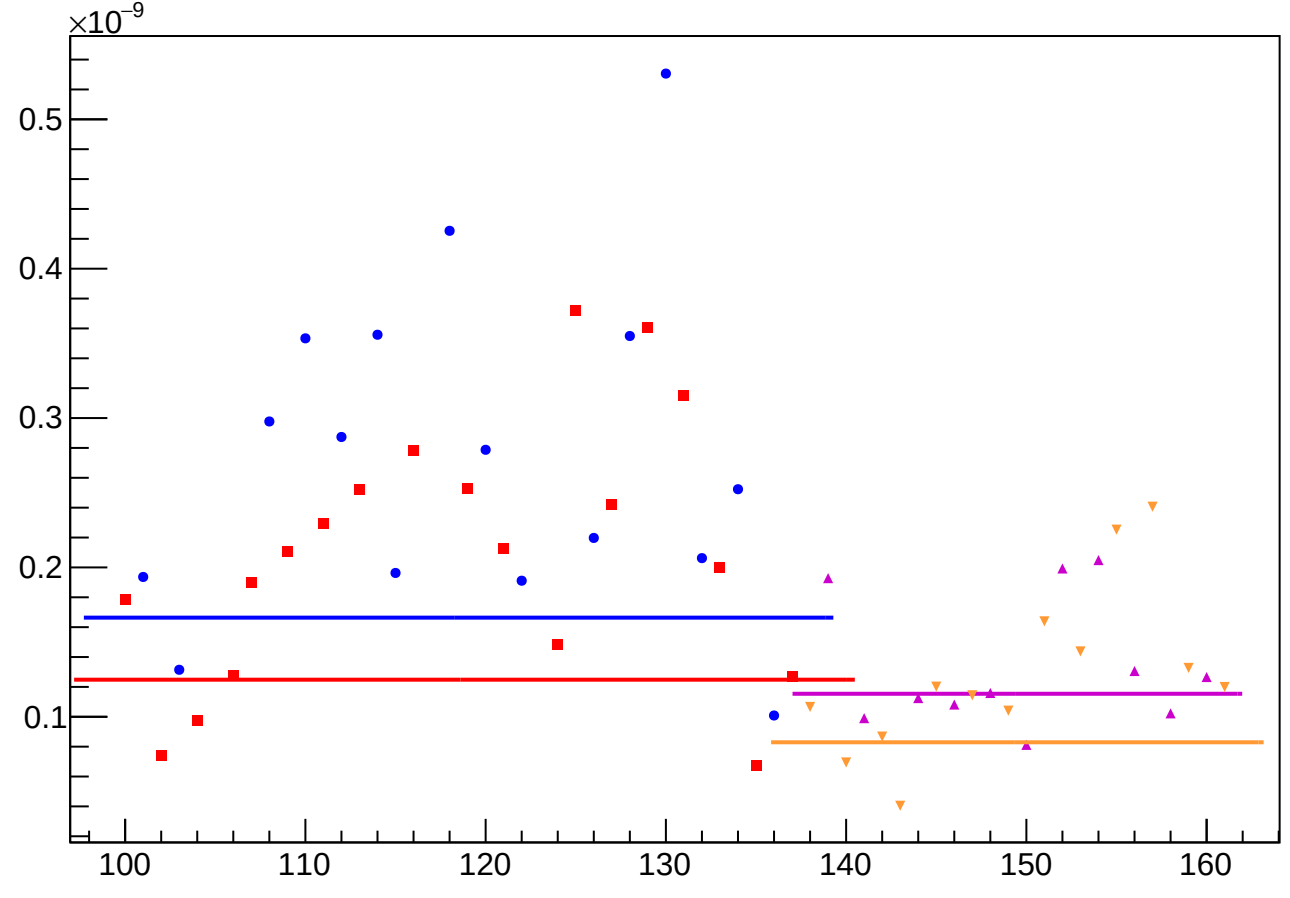
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 390.151+/-0.074 χ^2/NDF:5035243.0/26

Out: 370.776+/-0.073 χ^2/NDF:8178905.5/31

All: 380.283+/-0.052 χ^2/NDF: 13248837.2/58


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/12
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:14.2/10
Left: -0.000+/-0.000 χ²/NDF: 19.0/23
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.4/26
Out: -0.000+/-0.000 χ²/NDF:15.0/31
All: -0.000+/-0.000 χ²/NDF: 42.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3104457.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:907415.8/10

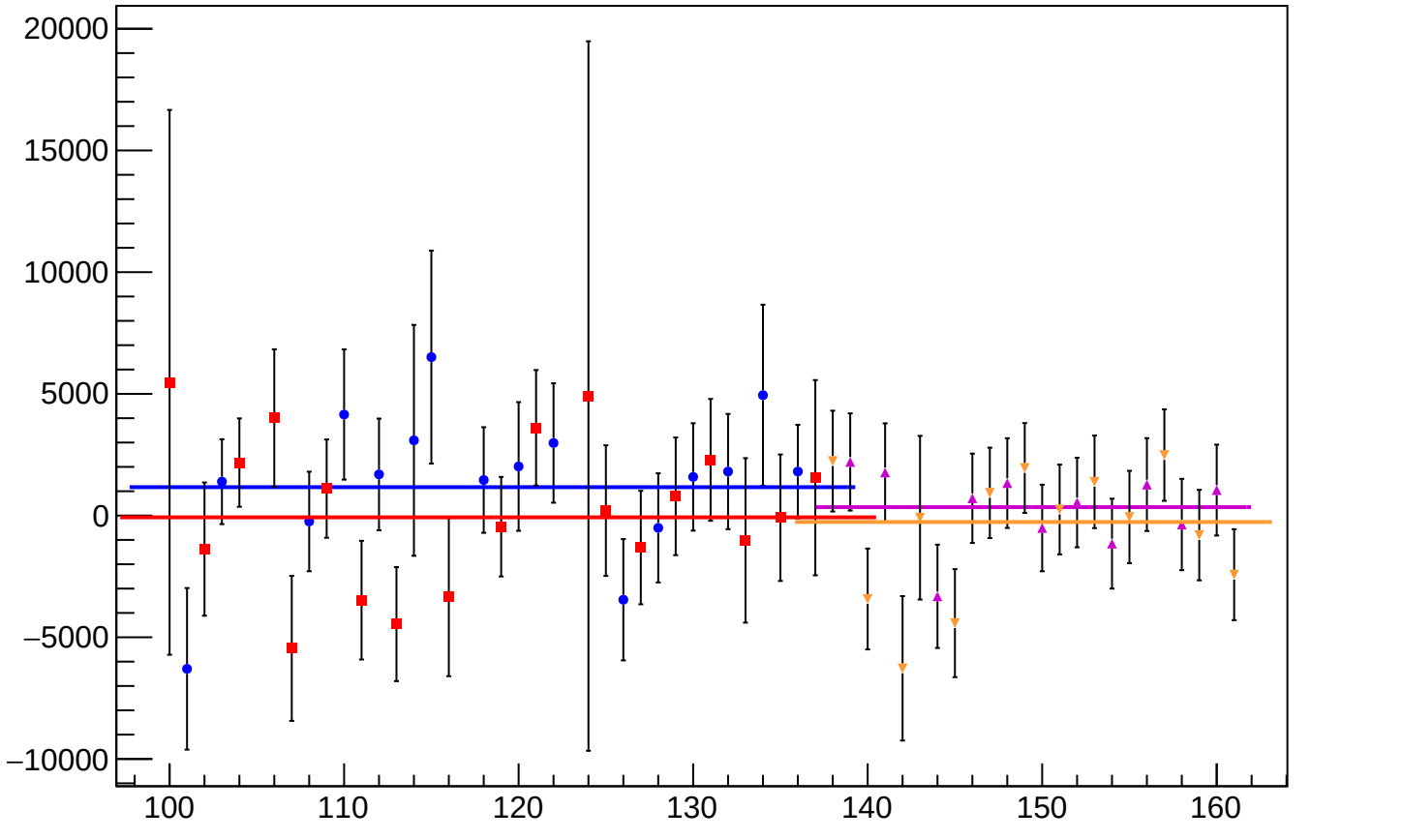
Left: 0.000+/-0.000 χ^2/NDF: 4600157.4/23

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

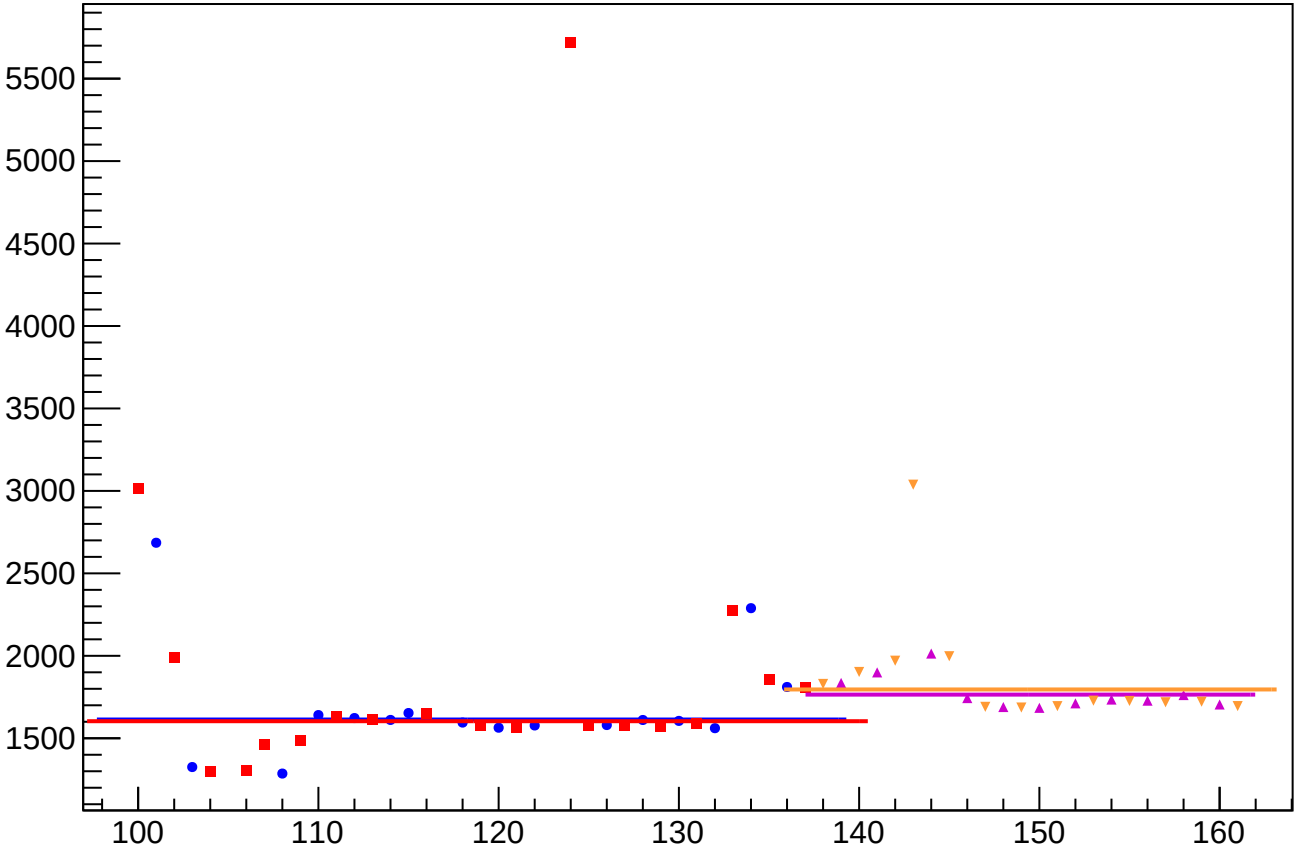
In: 0.000+/-0.000 χ^2/NDF:3443338.3/26

Out: 0.000+/-0.000 χ^2/NDF:5879635.4/31

All: 0.000+/-0.000 χ^2/NDF: 10264342.4/58


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -263.728+/-562.315 χ²/NDF:17.7/12
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 346.427+/-571.580 χ²/NDF:6.1/10
Left: 36.364+/-400.852 χ²/NDF: 24.3/23
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 730.551+/-416.824 χ²/NDF:21.5/26
Out: -174.691+/-411.363 χ²/NDF:36.0/31
All: 271.961+/-292.789 χ²/NDF: 59.9/58

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

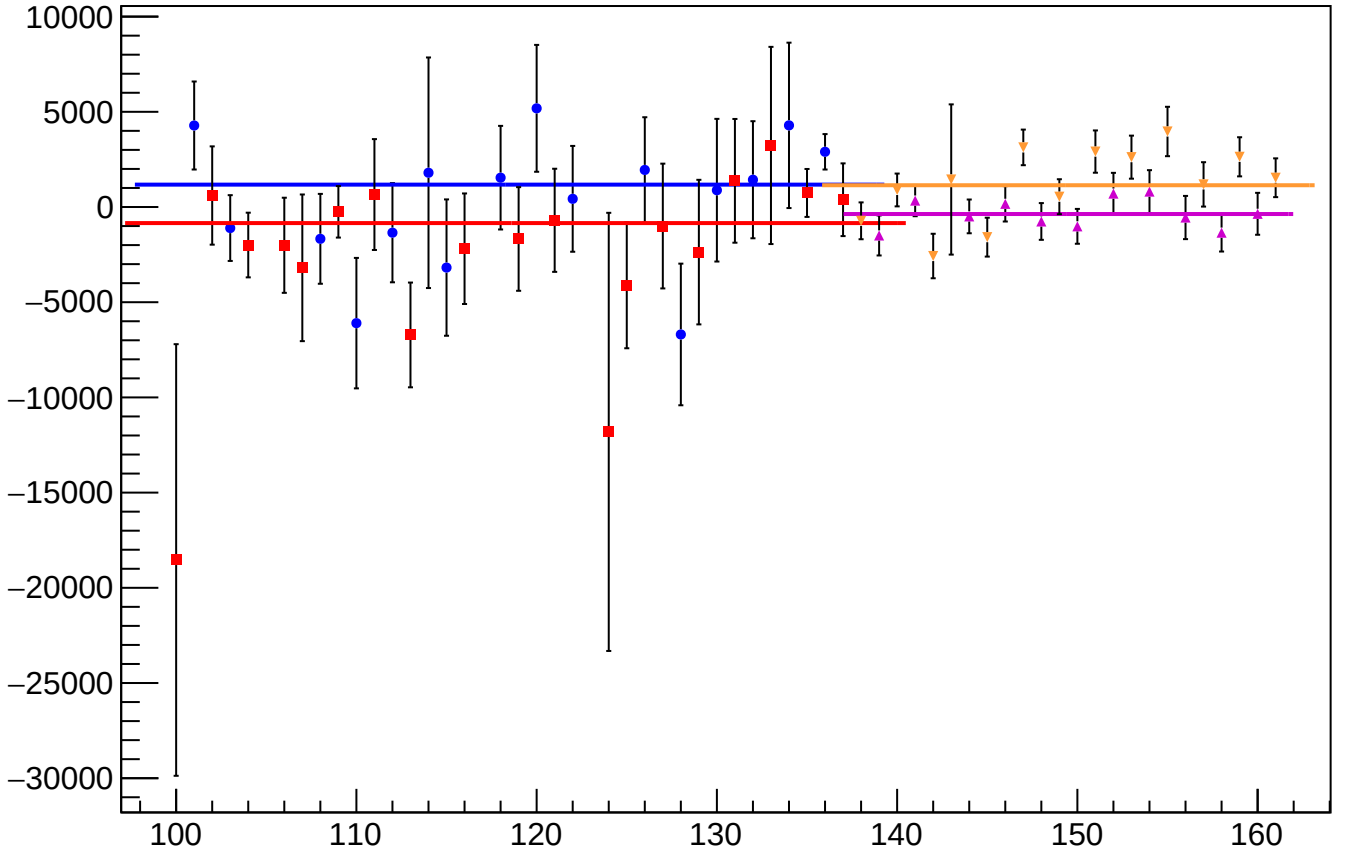
Left: 1780.610+/-0.283 χ^2/NDF: 393812.9/23

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1693.998+/-0.295 χ^2/NDF:521678.3/26

Out: 1706.500+/-0.291 χ^2/NDF:873944.6/31

All: 1700.332+/-0.207 χ^2/NDF: 1396534.3/58



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1143.626+/-296.976 χ^2/NDF:37.3/12

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -368.138+/-296.914 χ^2/NDF:6.0/10

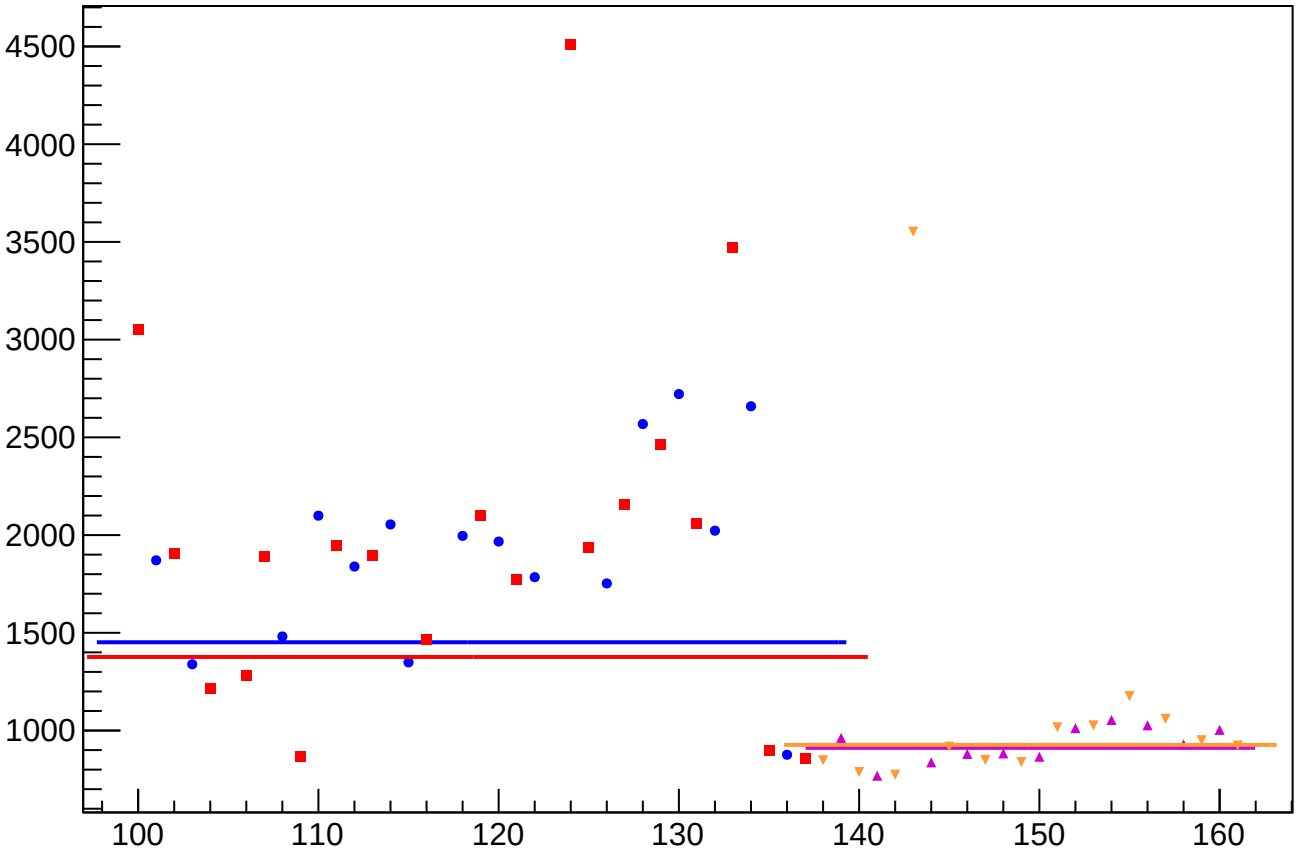
Left: 387.586+/-209.972 χ^2/NDF: 56.2/23

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -46.789+/-264.207 χ^2/NDF:33.6/26

Out: 704.239+/-262.101 χ^2/NDF:61.4/31

All: 331.730+/-186.073 χ^2/NDF: 99.1/58



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.594+/-0.210 χ^2/NDF:1147845.2/12

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 911.603+/-0.210 χ^2/NDF:172478.7/10

Left: 919.097+/-0.148 χ^2/NDF: 1322872.7/23

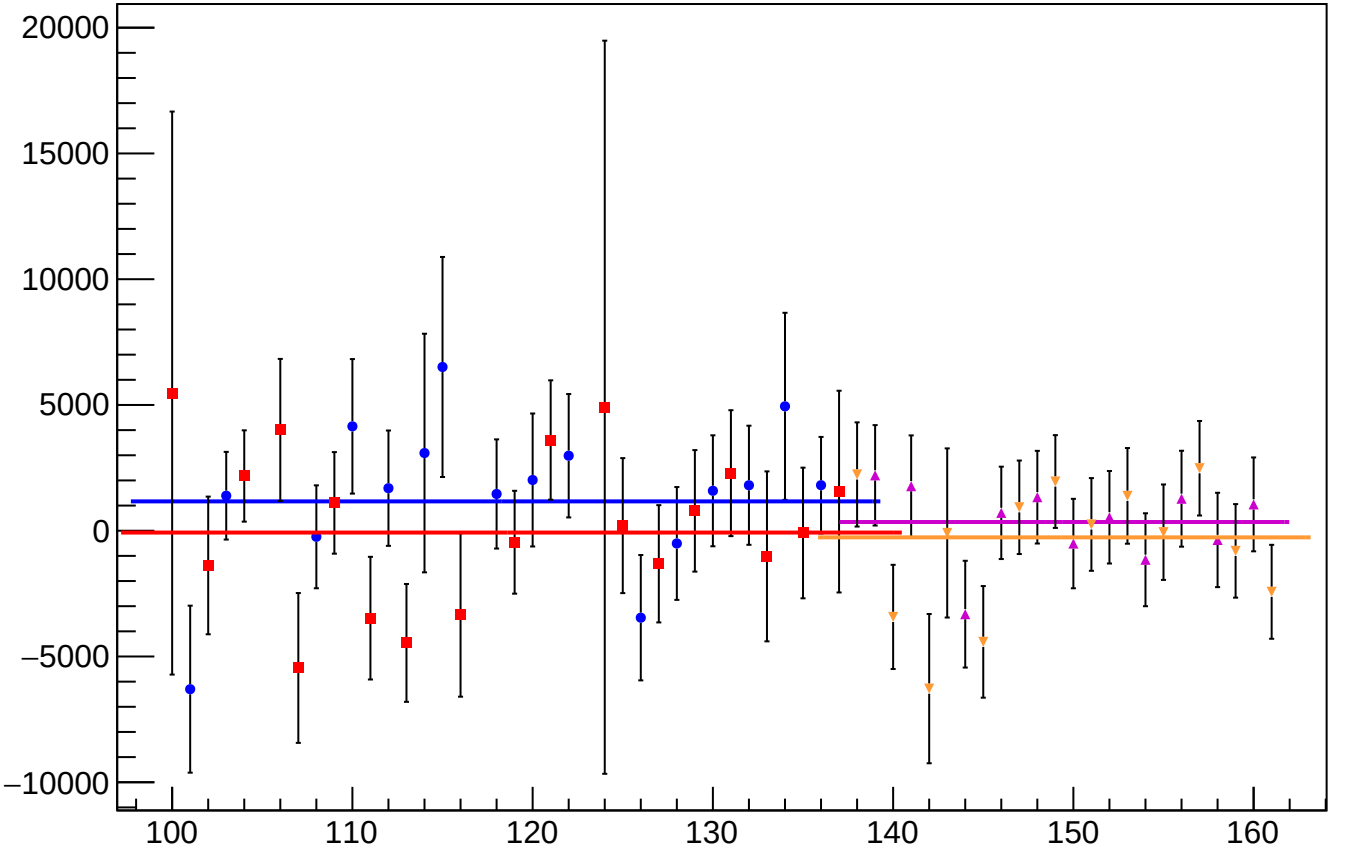
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1024.026+/-0.187 χ^2/NDF:3340653.1/26

Out: 1026.051+/-0.185 χ^2/NDF:4294545.5/31

All: 1025.047+/-0.132 χ^2/NDF: 7635257.8/58

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -263.911+/-562.315 χ^2/NDF:17.7/12

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 346.409+/-571.580 χ^2/NDF:6.1/10

Left: 36.262+/-400.852 χ^2/NDF: 24.4/23

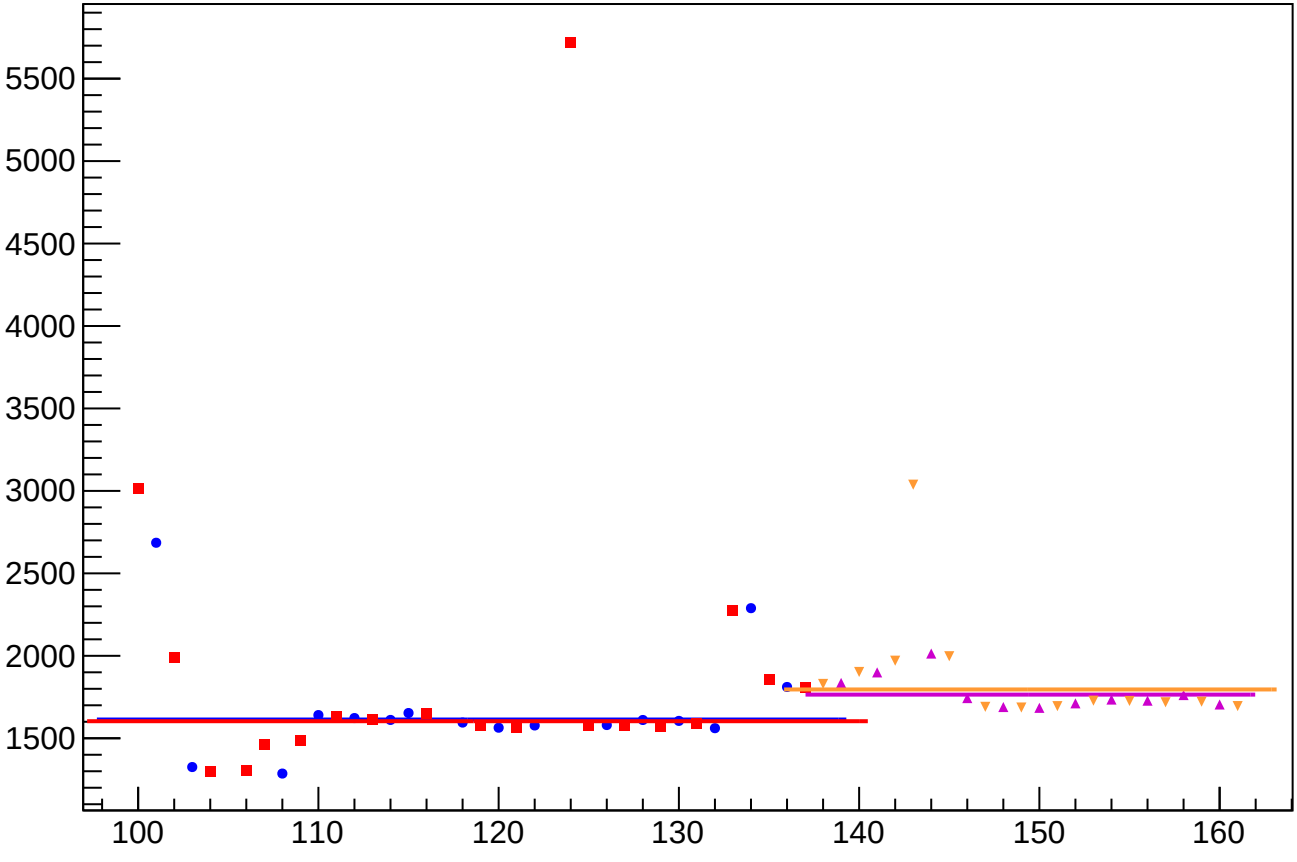
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 730.498+/-416.824 χ^2/NDF:21.5/26

Out: -174.937+/-411.363 χ^2/NDF:36.0/31

All: 271.810+/-292.789 χ^2/NDF: 59.9/58

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

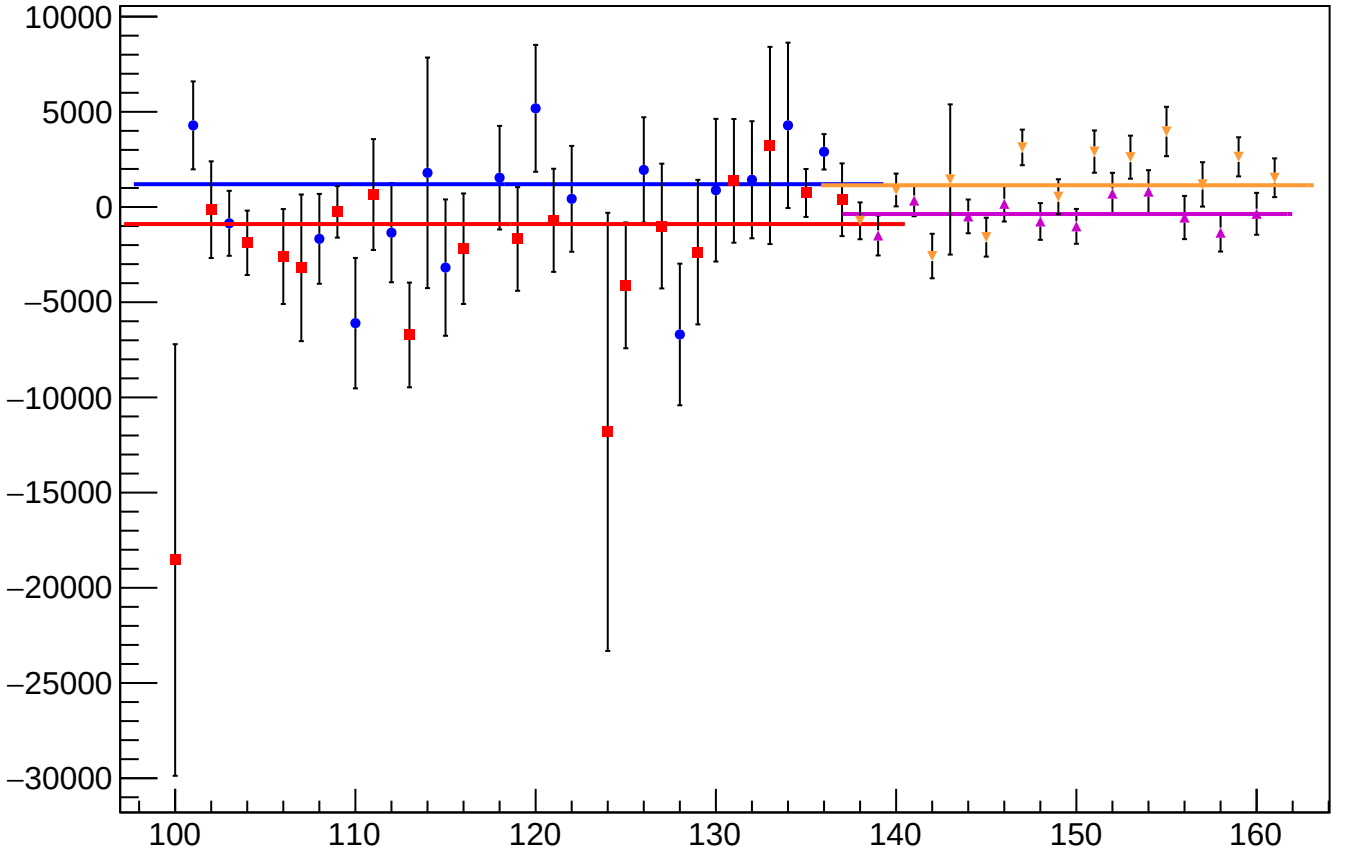
Left: 1780.610+/-0.283 χ^2/NDF: 393812.9/23

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.998+/-0.295 χ^2/NDF:521678.7/26

Out: 1706.500+/-0.291 χ^2/NDF:873944.8/31

All: 1700.331+/-0.207 χ^2/NDF: 1396534.8/58



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1143.618+/-296.979 χ^2/NDF:37.3/12

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.087+/-296.913 χ^2/NDF:6.0/10

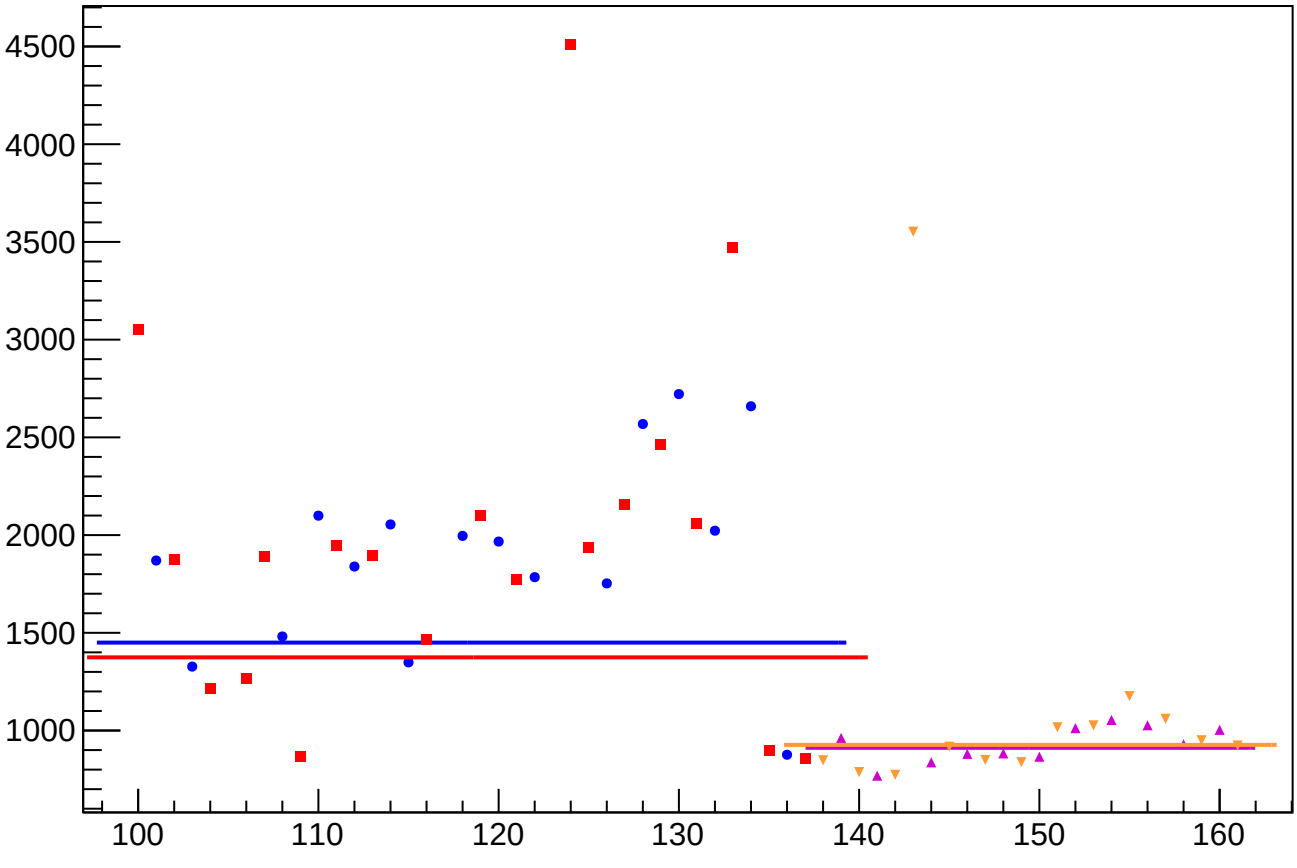
Left: 387.598+/-209.973 χ^2/NDF: 56.2/23

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -41.257+/-264.128 χ^2/NDF:33.5/26

Out: 691.842+/-262.023 χ^2/NDF:61.9/31

All: 328.226+/-186.018 χ^2/NDF: 99.2/58



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.606+/-0.210 χ^2/NDF:1147758.2/12

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

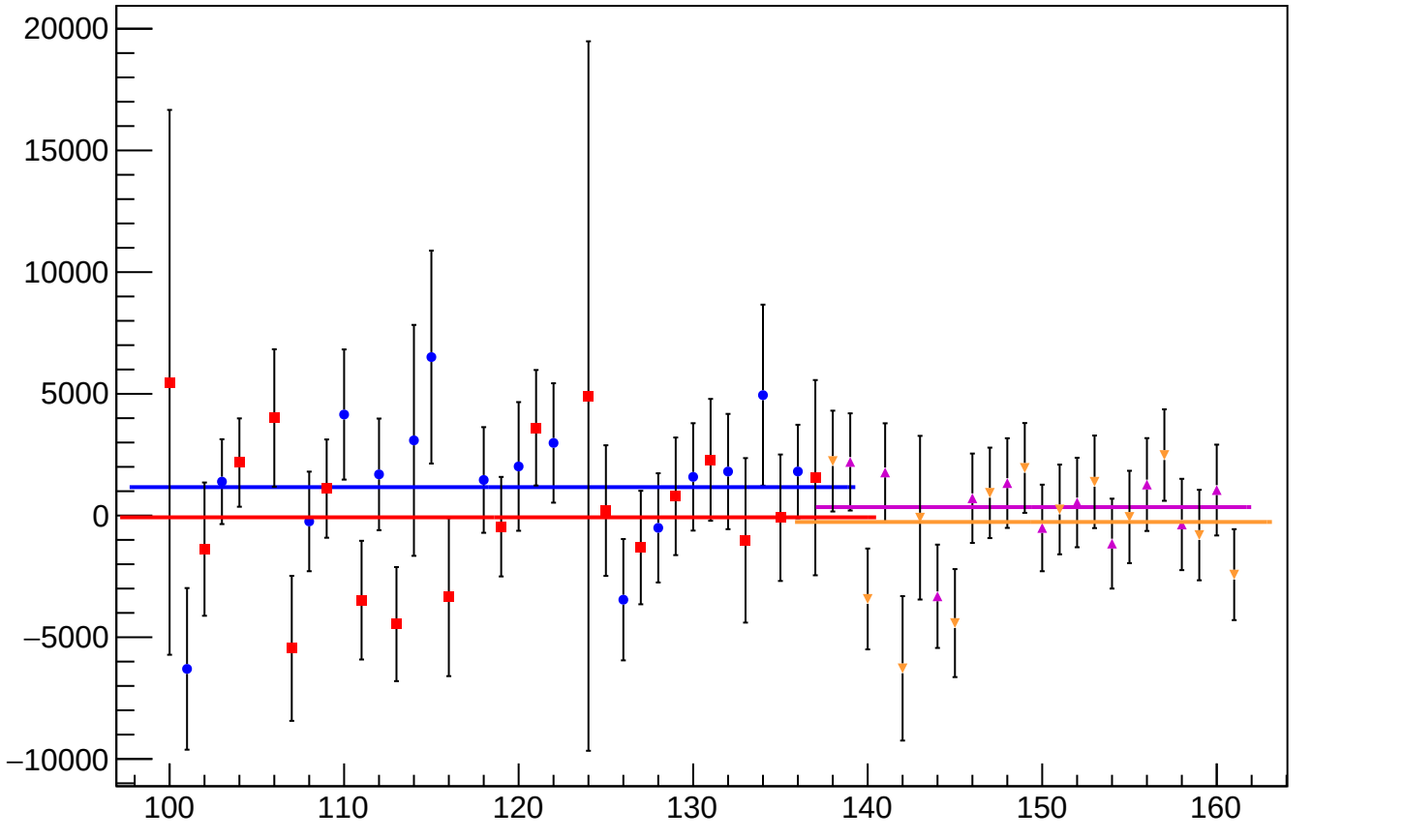
Left: 919.102+/-0.148 χ^2/NDF: 1322828.0/23

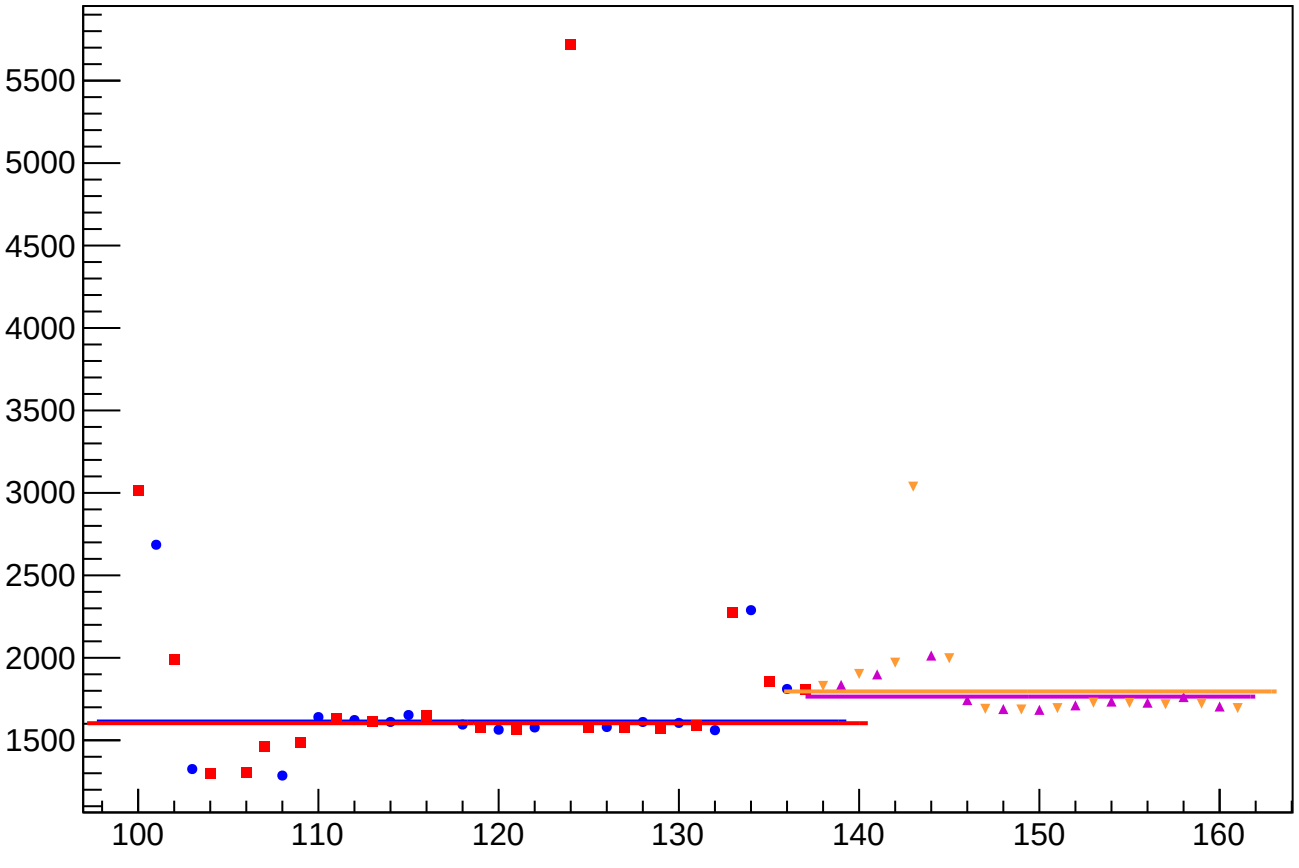
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1023.923+/-0.187 χ^2/NDF:3336998.2/26

Out: 1025.827+/-0.185 χ^2/NDF:4283070.4/31

All: 1024.883+/-0.132 χ^2/NDF: 7620121.0/58


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -263.911+/-562.315 χ²/NDF:17.7/12
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 346.409+/-571.580 χ²/NDF:6.1/10
Left: 36.262+/-400.852 χ²/NDF: 24.4/23
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 730.498+/-416.824 χ²/NDF:21.5/26
Out: -174.937+/-411.363 χ²/NDF:36.0/31
All: 271.810+/-292.789 χ²/NDF: 59.9/58



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

Left: 1780.610+/-0.283 χ^2/NDF: 393812.9/23

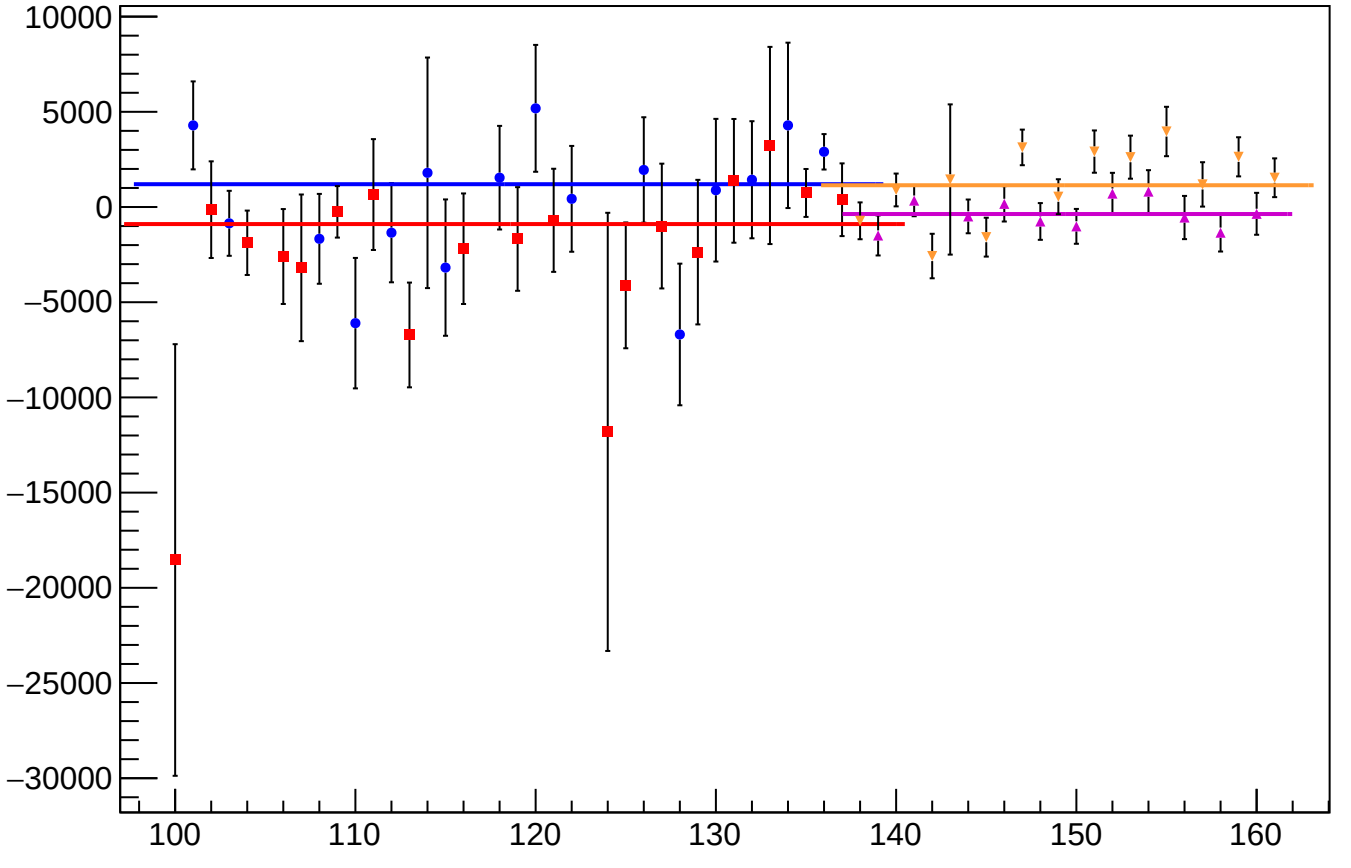
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1693.998+/-0.295 χ^2/NDF:521678.7/26

Out: 1706.500+/-0.291 χ^2/NDF:873944.8/31

All: 1700.331+/-0.207 χ^2/NDF: 1396534.8/58

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1143.618+/-296.979 χ^2/NDF:37.3/12

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -368.087+/-296.913 χ^2/NDF:6.0/10

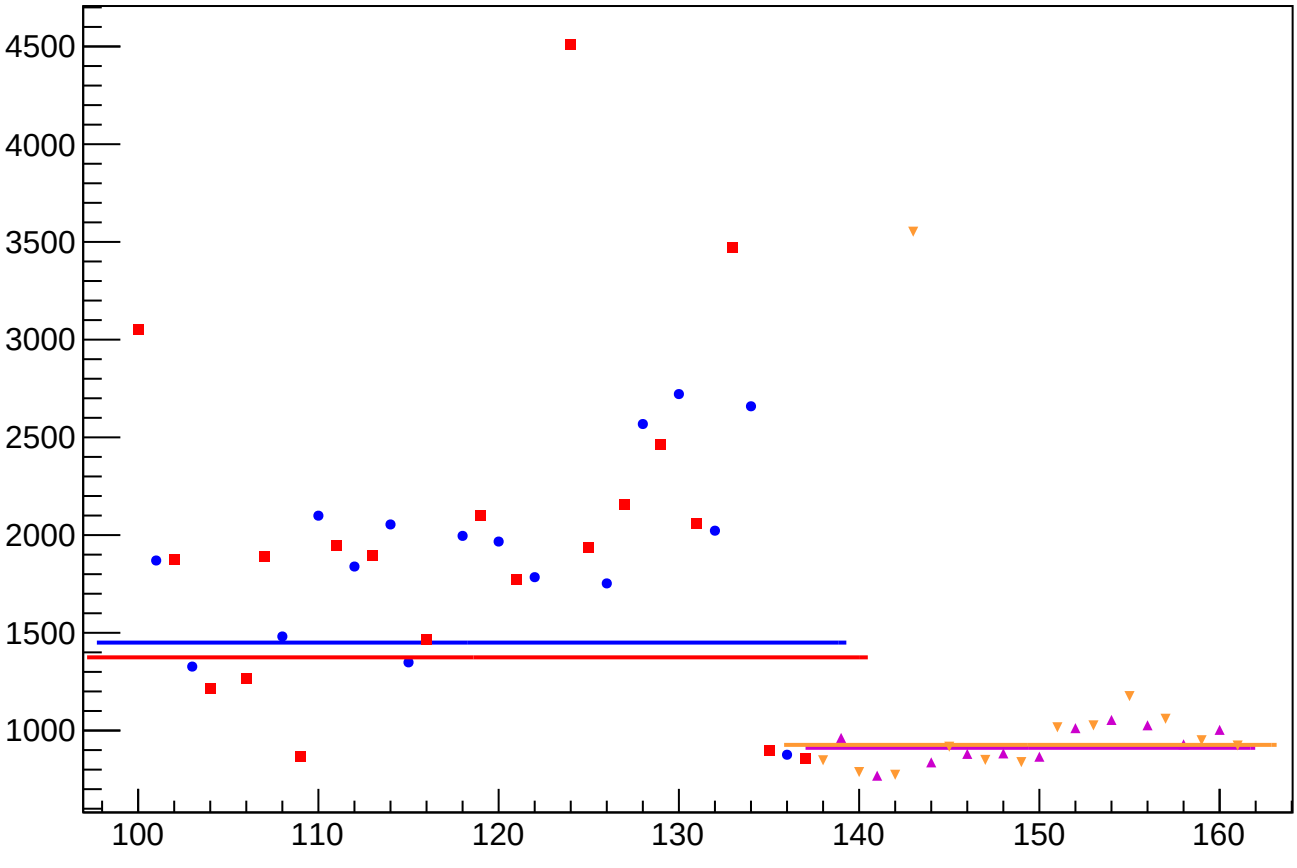
Left: 387.598+/-209.973 χ^2/NDF: 56.2/23

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -41.257+/-264.128 χ^2/NDF:33.5/26

Out: 691.842+/-262.023 χ^2/NDF:61.9/31

All: 328.226+/-186.018 χ^2/NDF: 99.2/58



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.606+/-0.210 χ^2/NDF:1147758.2/12

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

Left: 919.102+/-0.148 χ^2/NDF: 1322828.0/23

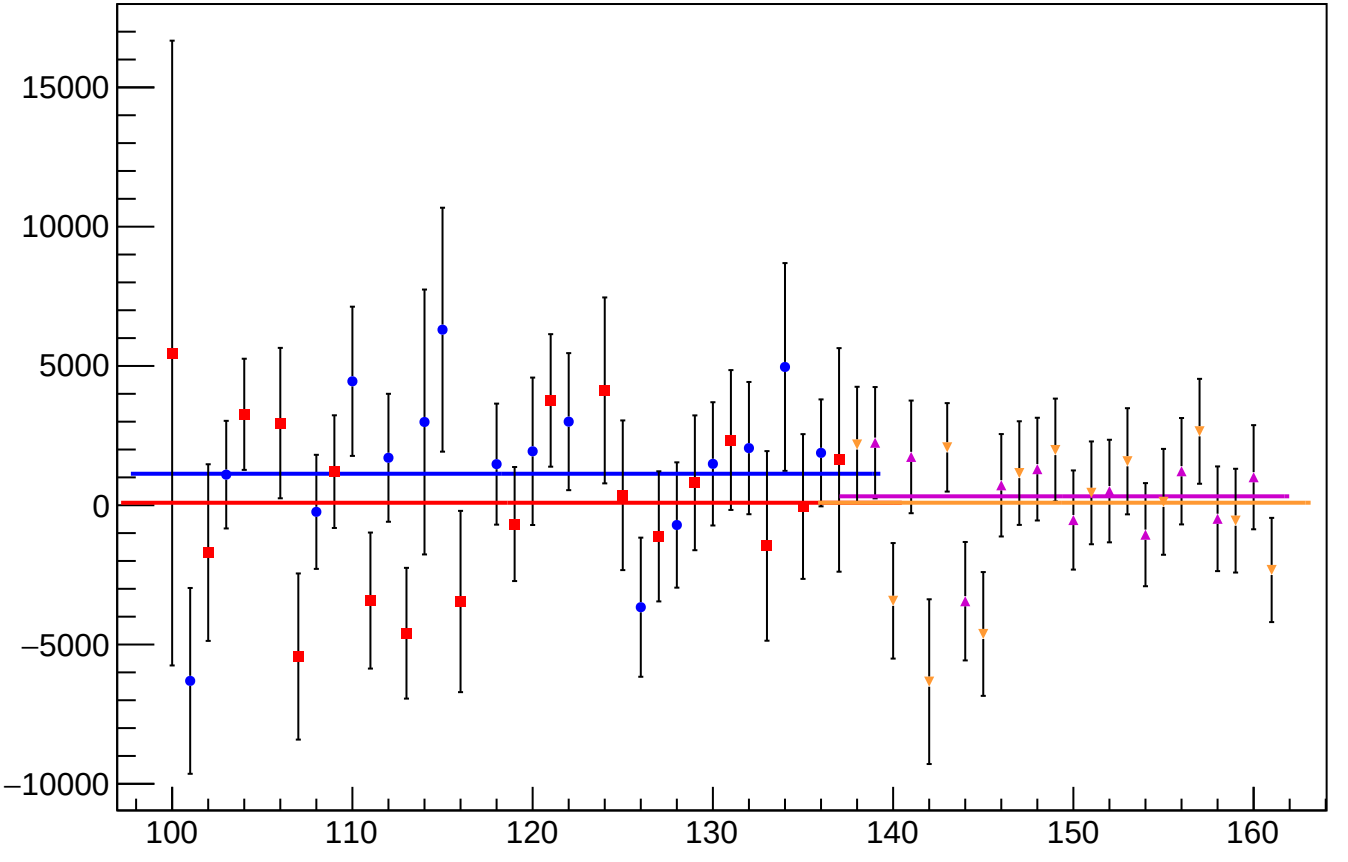
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1023.923+/-0.187 χ^2/NDF:3336998.2/26

Out: 1025.827+/-0.185 χ^2/NDF:4283070.4/31

All: 1024.883+/-0.132 χ^2/NDF: 7620121.0/58

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 90.442+/-537.346 χ^2/NDF:20.3/12

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 320.526+/-572.355 χ^2/NDF:6.2/10

Left: 198.233+/-391.753 χ^2/NDF: 26.6/23

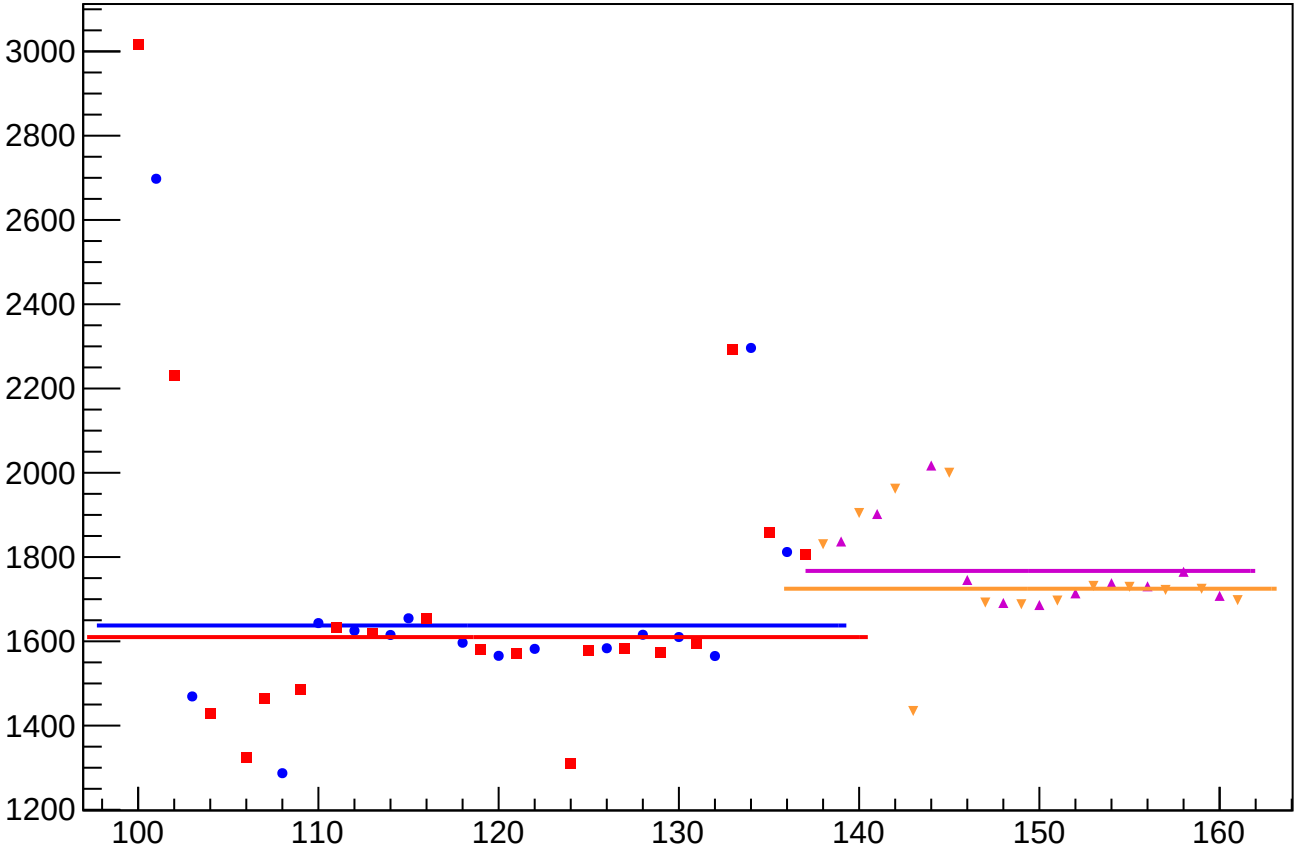
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 695.102+/-419.687 χ^2/NDF:22.1/26

Out: 89.901+/-401.194 χ^2/NDF:41.0/31

All: 378.875+/-290.004 χ^2/NDF: 64.2/58

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.832+/-0.380 χ^2/NDF:132925.5/12

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1767.090+/-0.405 χ^2/NDF:51765.0/10

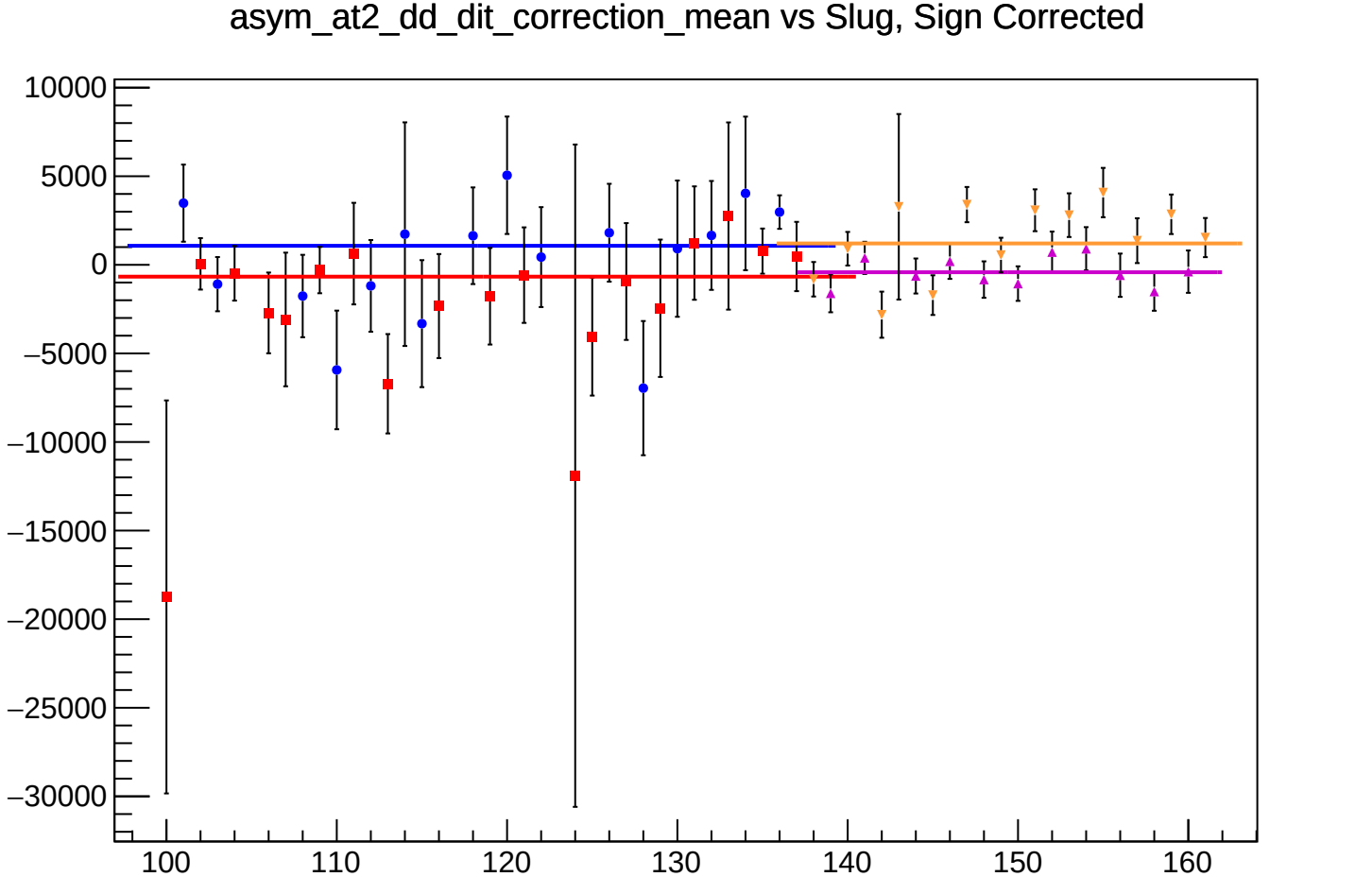
Left: 1744.629+/-0.277 χ^2/NDF: 190485.5/23

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.211+/-0.297 χ^2/NDF:460529.5/26

Out: 1674.031+/-0.284 χ^2/NDF:454129.3/31

All: 1689.874+/-0.205 χ^2/NDF: 921190.9/58



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1206.471+/-319.680 χ^2/NDF:36.9/12

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -418.896+/-320.237 χ^2/NDF:6.2/10

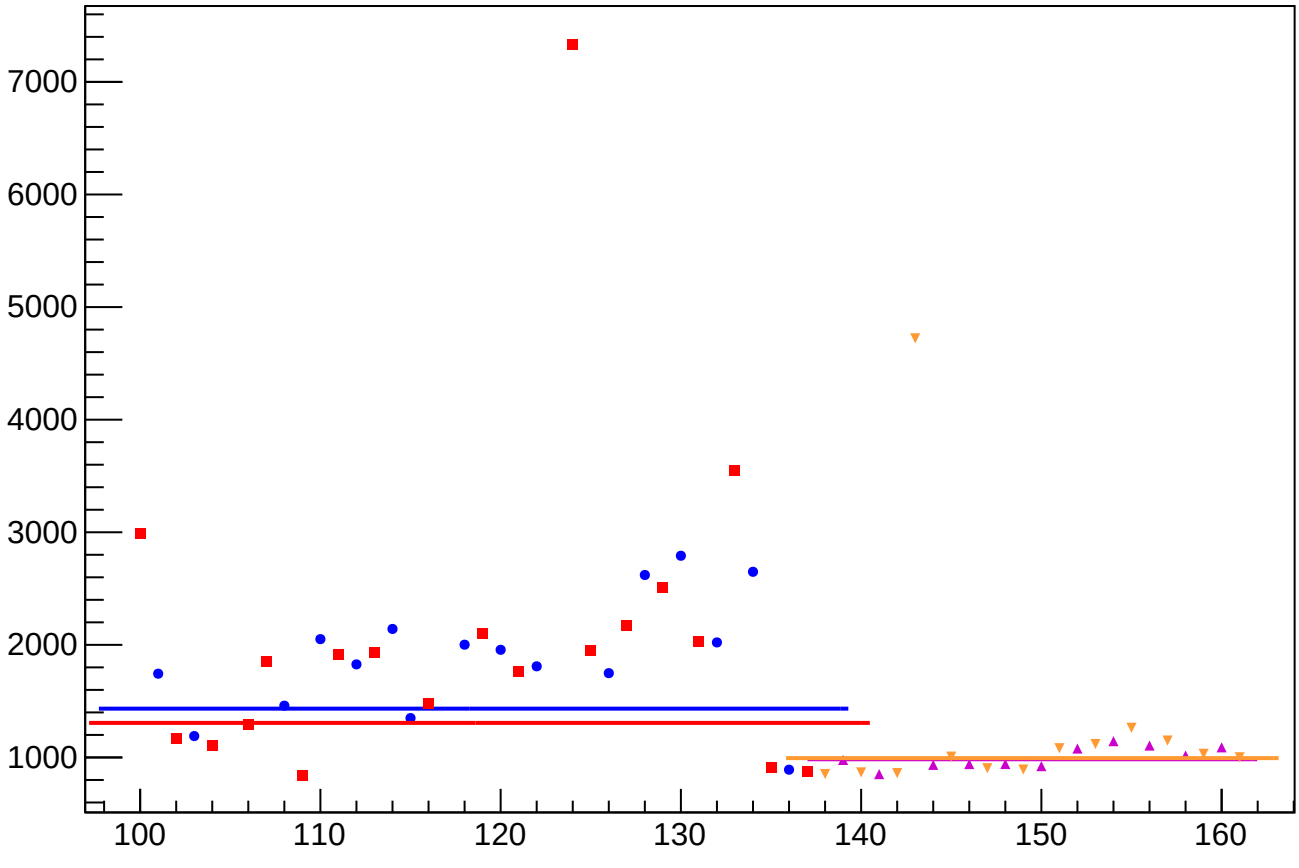
Left: 395.202+/-226.245 χ^2/NDF: 56.0/23

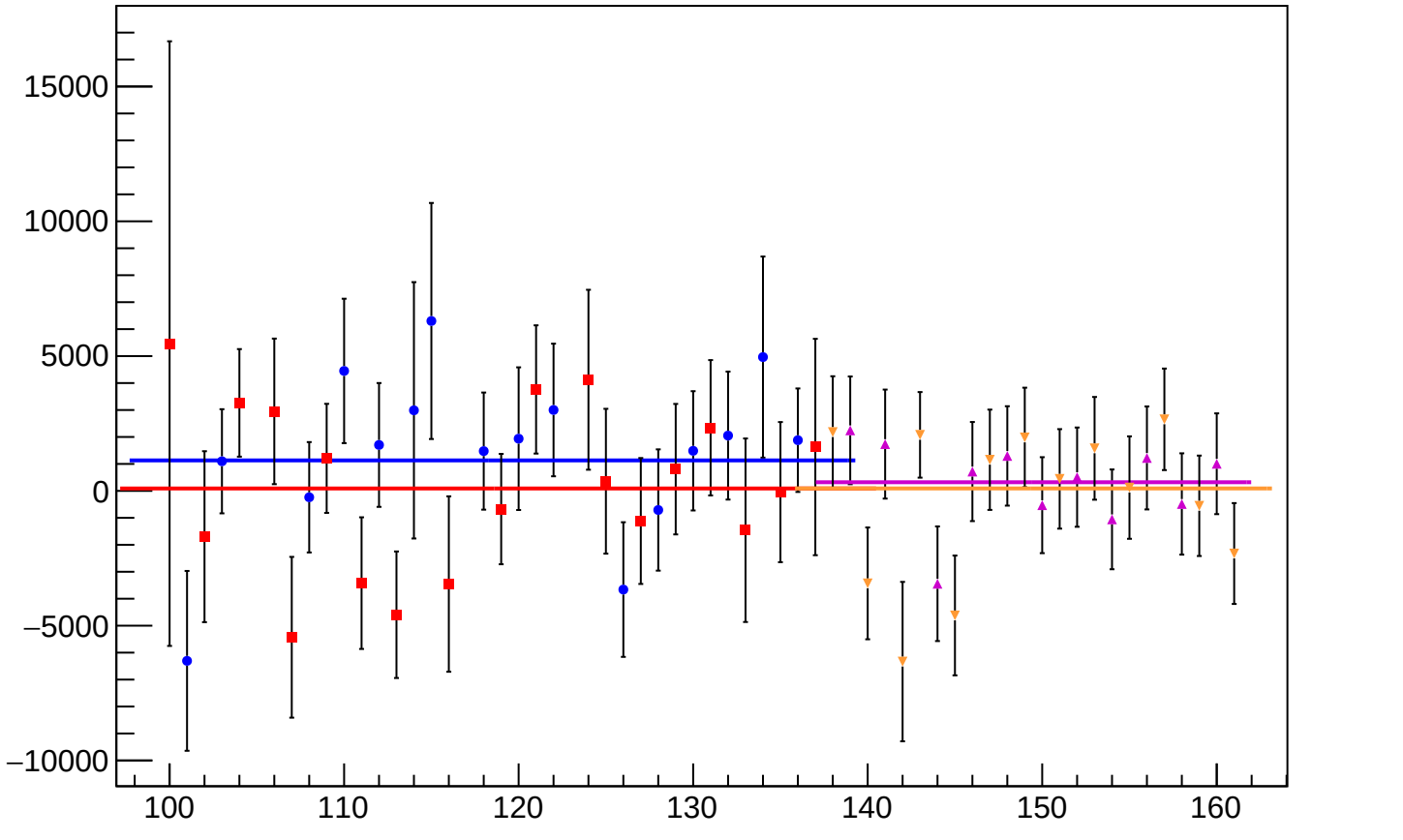
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -62.357+/-279.380 χ^2/NDF:33.4/26

Out: 697.360+/-272.829 χ^2/NDF:59.8/31

All: 326.514+/-195.194 χ^2/NDF: 97.0/58


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 994.186+/-0.226 χ²/NDF:1290564.6/12
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 983.936+/-0.226 χ²/NDF:147738.3/10
Left: 989.070+/-0.160 χ²/NDF: 1439329.0/23
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1091.326+/-0.198 χ²/NDF:2852725.4/26
Out: 1079.121+/-0.193 χ²/NDF:3994210.3/31
All: 1085.079+/-0.138 χ²/NDF: 6848889.7/58



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 90.433+/-537.347 χ^2/NDF:20.3/12

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 320.525+/-572.355 χ^2/NDF:6.2/10

Left: 198.227+/-391.753 χ^2/NDF: 26.6/23

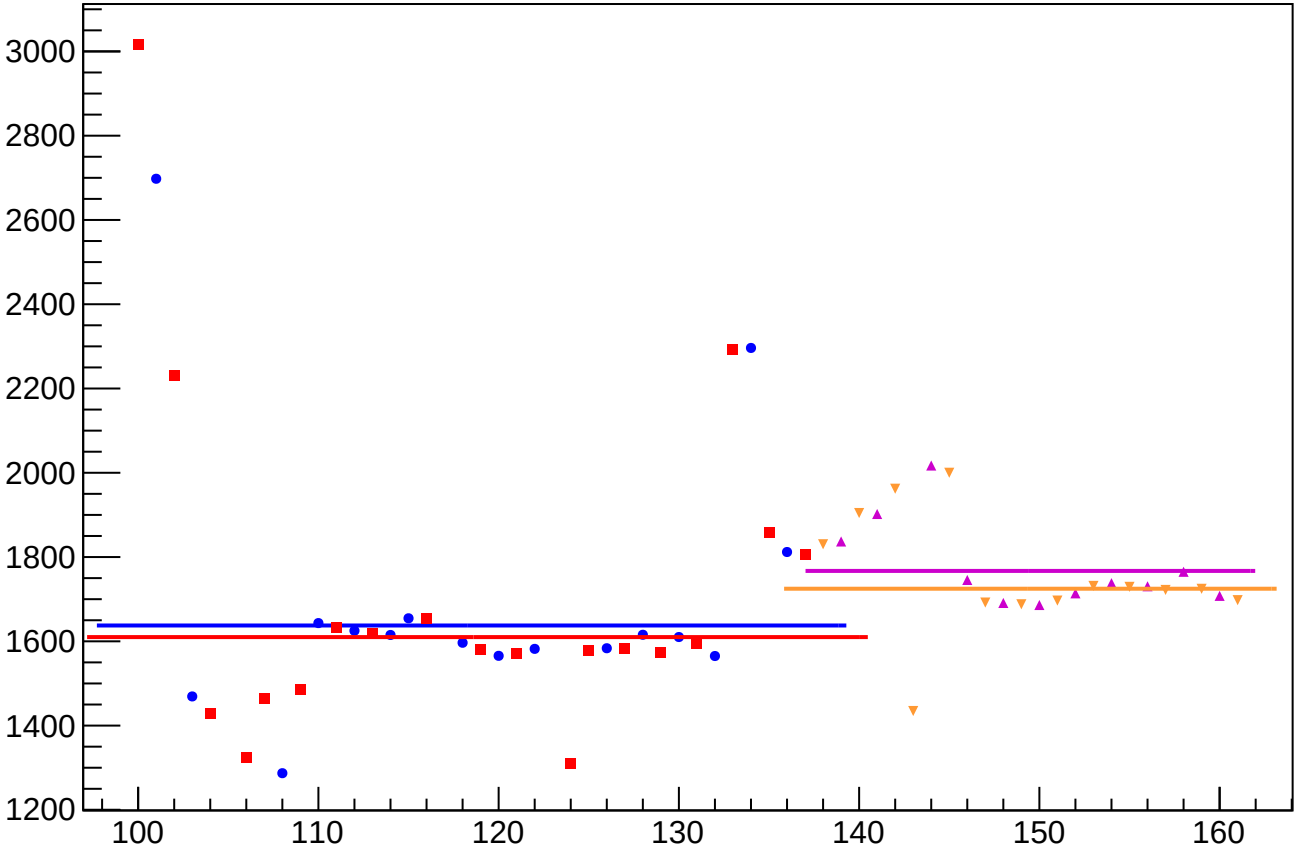
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 695.102+/-419.687 χ^2/NDF:22.1/26

Out: 89.898+/-401.194 χ^2/NDF:41.0/31

All: 378.873+/-290.004 χ^2/NDF: 64.2/58

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.832+/-0.380 χ^2/NDF:132924.4/12

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1767.090+/-0.405 χ^2/NDF:51765.1/10

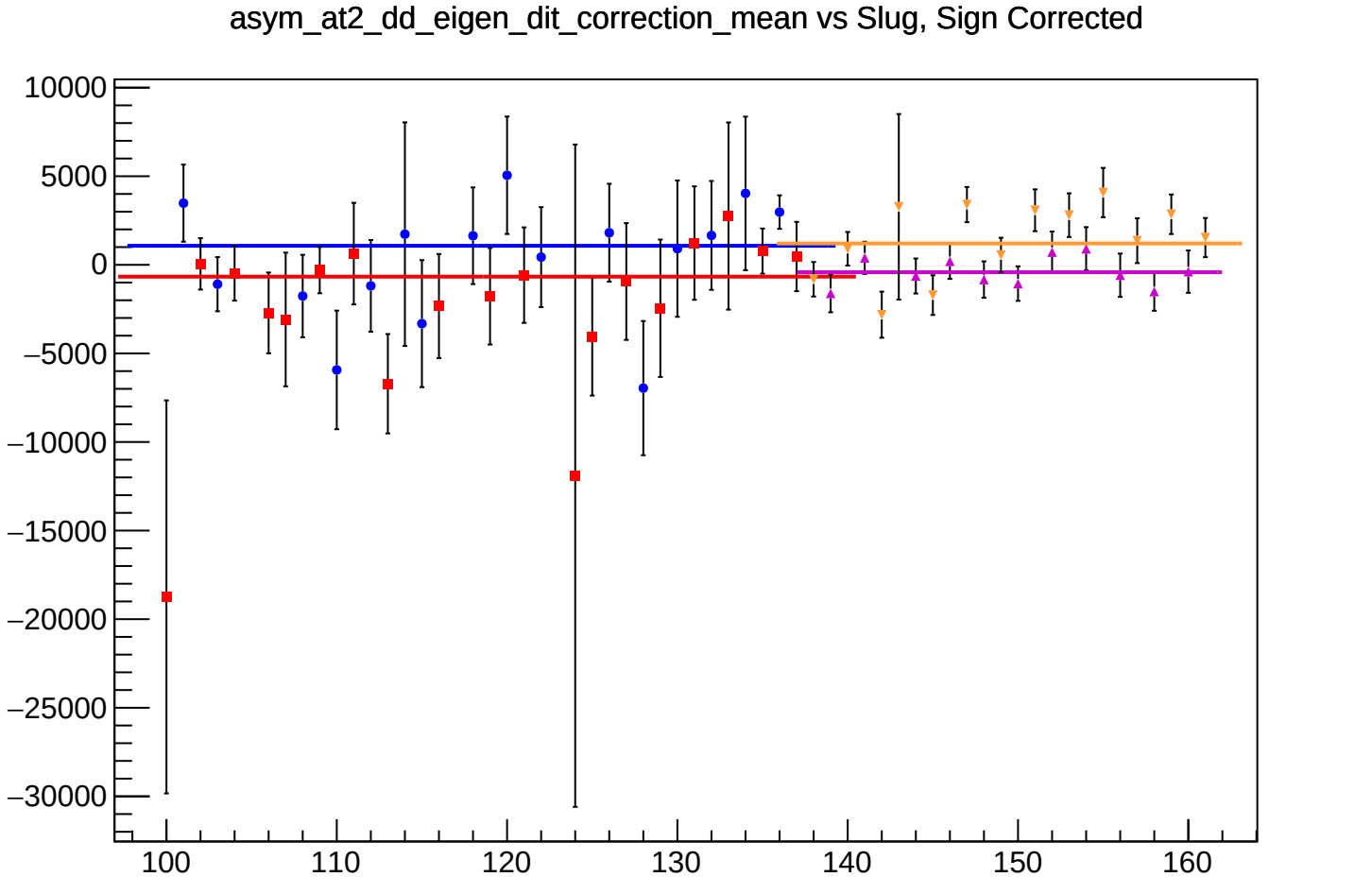
Left: 1744.629+/-0.277 χ^2/NDF: 190484.4/23

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.211+/-0.297 χ^2/NDF:460529.5/26

Out: 1674.031+/-0.284 χ^2/NDF:454128.8/31

All: 1689.874+/-0.205 χ^2/NDF: 921190.3/58



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1206.484+/-319.681 χ^2/NDF:36.9/12

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -418.894+/-320.238 χ^2/NDF:6.2/10

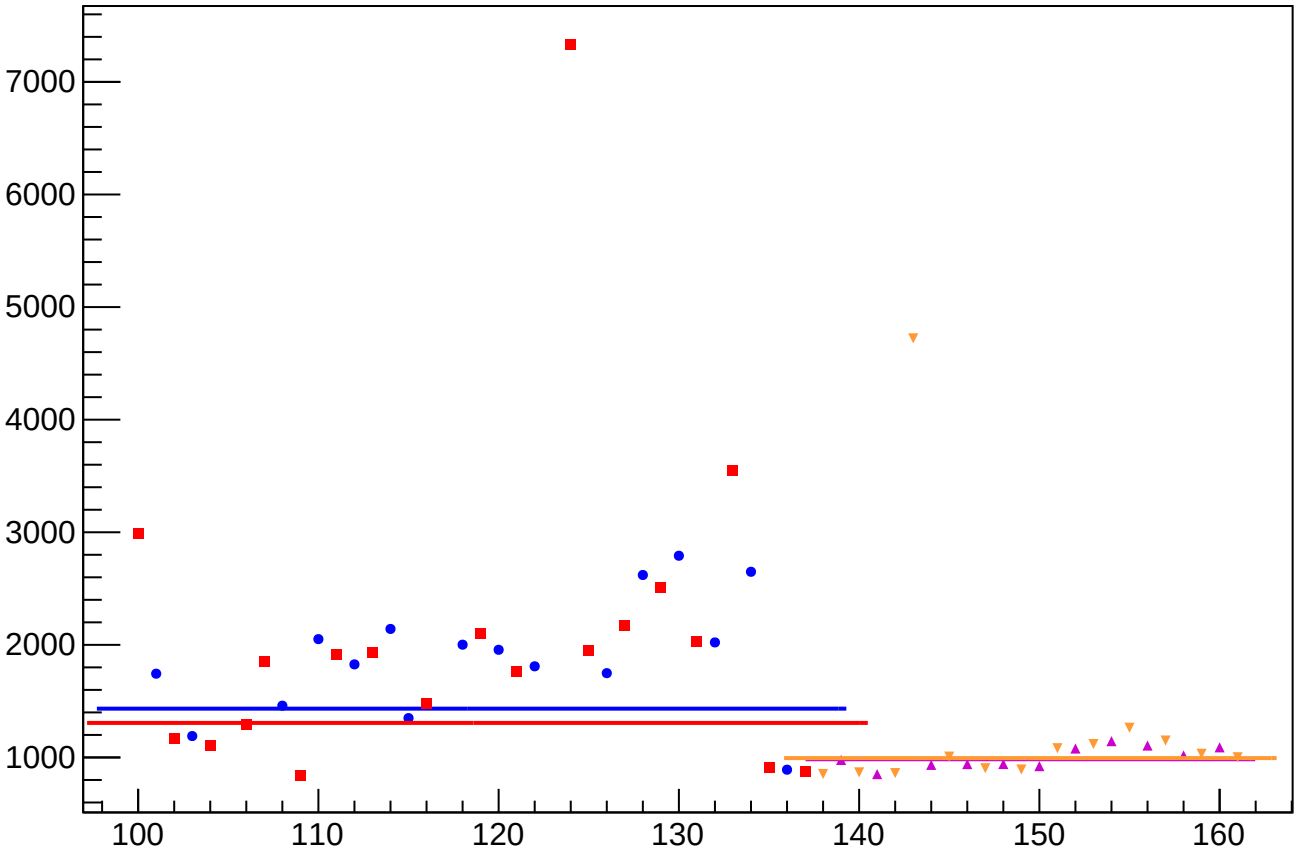
Left: 395.209+/-226.245 χ^2/NDF: 56.0/23

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

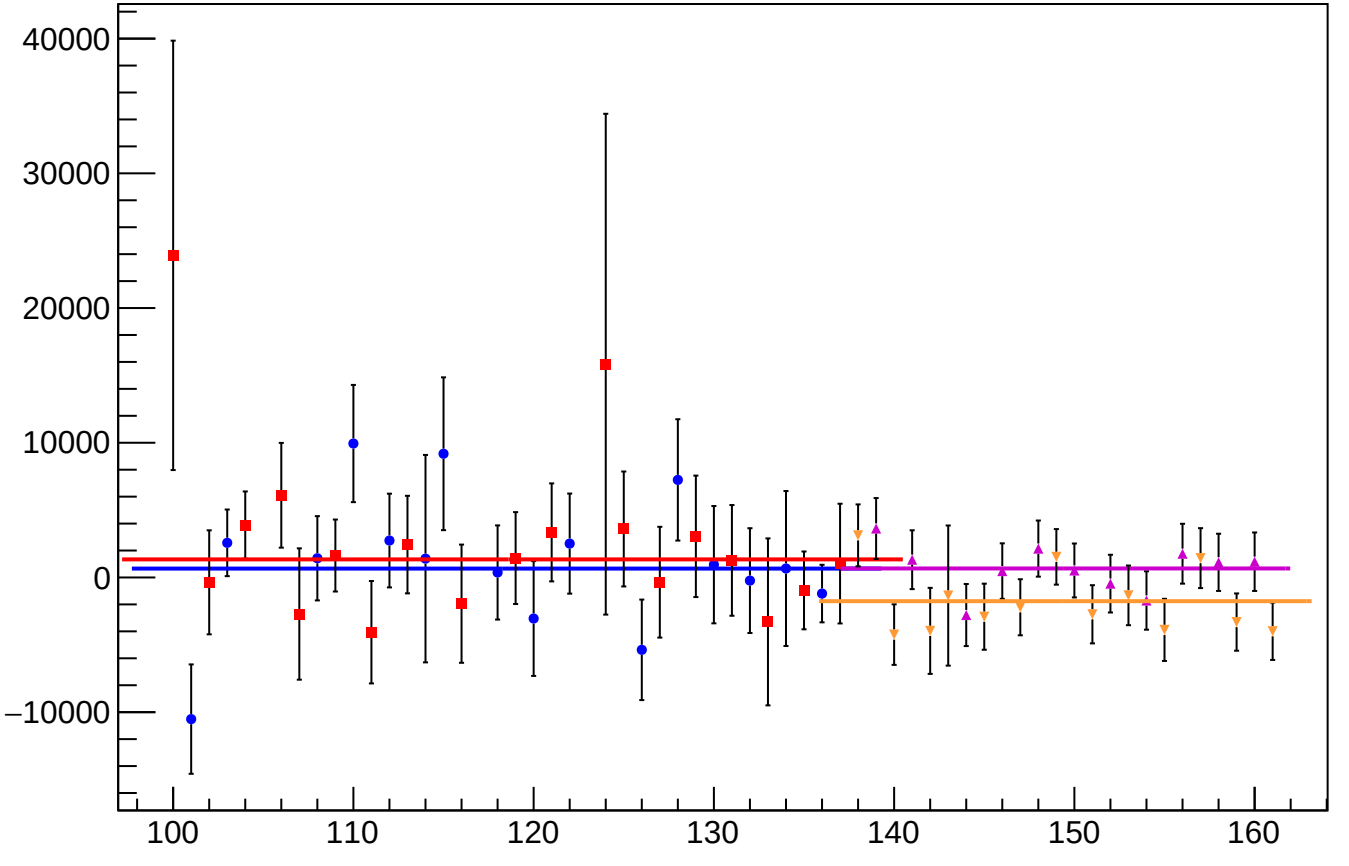
In: -62.360+/-279.381 χ^2/NDF:33.4/26

Out: 697.369+/-272.830 χ^2/NDF:59.8/31

All: 326.516+/-195.195 χ^2/NDF: 97.0/58


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 994.190+/-0.226 χ²/NDF:1290543.4/12
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 983.939+/-0.226 χ²/NDF:147740.2/10
Left: 989.073+/-0.160 χ²/NDF: 1439310.2/23
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1091.331+/-0.198 χ²/NDF:2852677.6/26
Out: 1079.127+/-0.193 χ²/NDF:3994140.6/31
All: 1085.084+/-0.138 χ²/NDF: 6848771.5/58

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1759.798+/-644.810 χ^2/NDF:13.8/12

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 668.494+/-648.653 χ^2/NDF:6.4/10

Left: -552.867+/-457.302 χ^2/NDF: 27.3/23

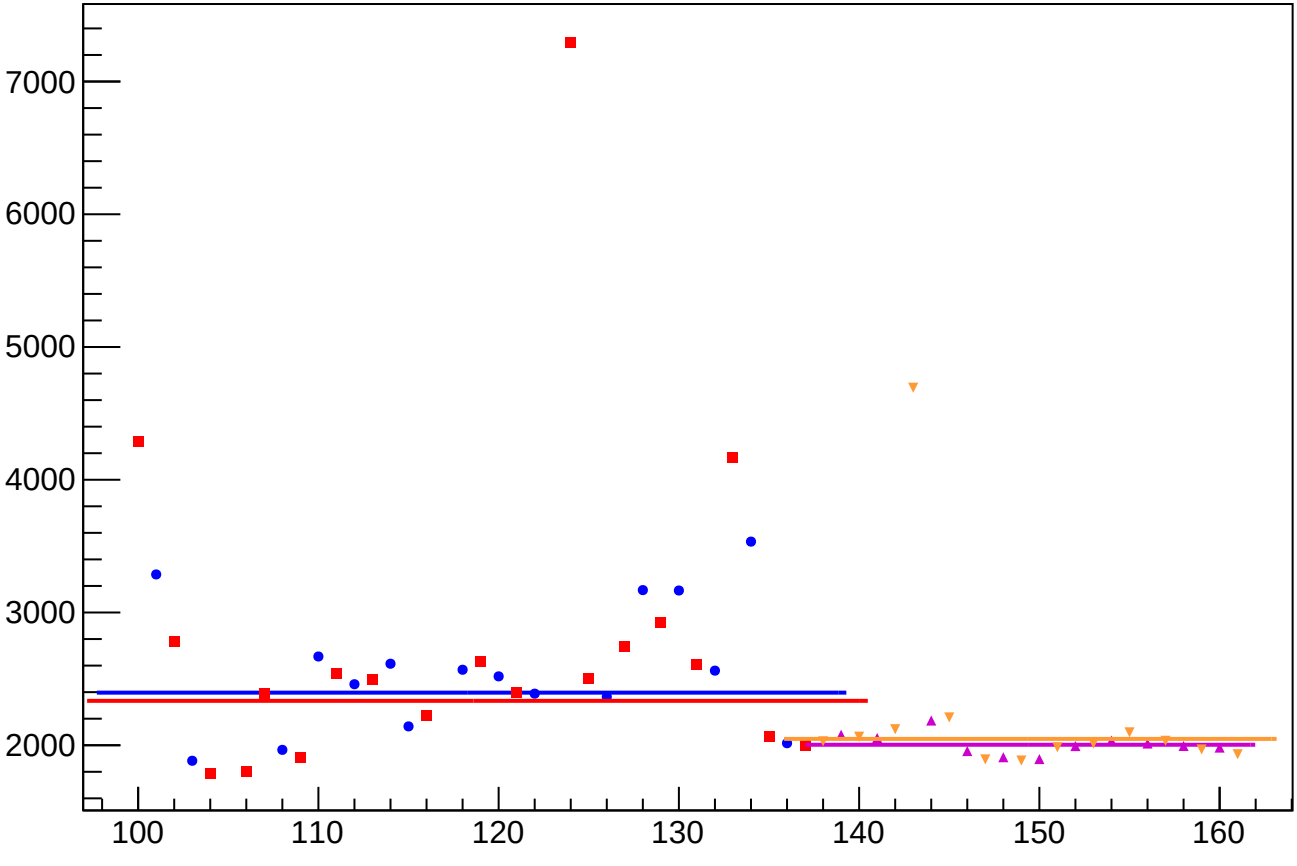
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 665.448+/-528.116 χ^2/NDF:28.4/26

Out: -692.993+/-522.284 χ^2/NDF:32.6/31

All: -21.316+/-371.355 χ^2/NDF: 64.3/58

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2047.855+/-0.456 χ^2/NDF:562795.9/12

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2003.750+/-0.459 χ^2/NDF:27496.9/10

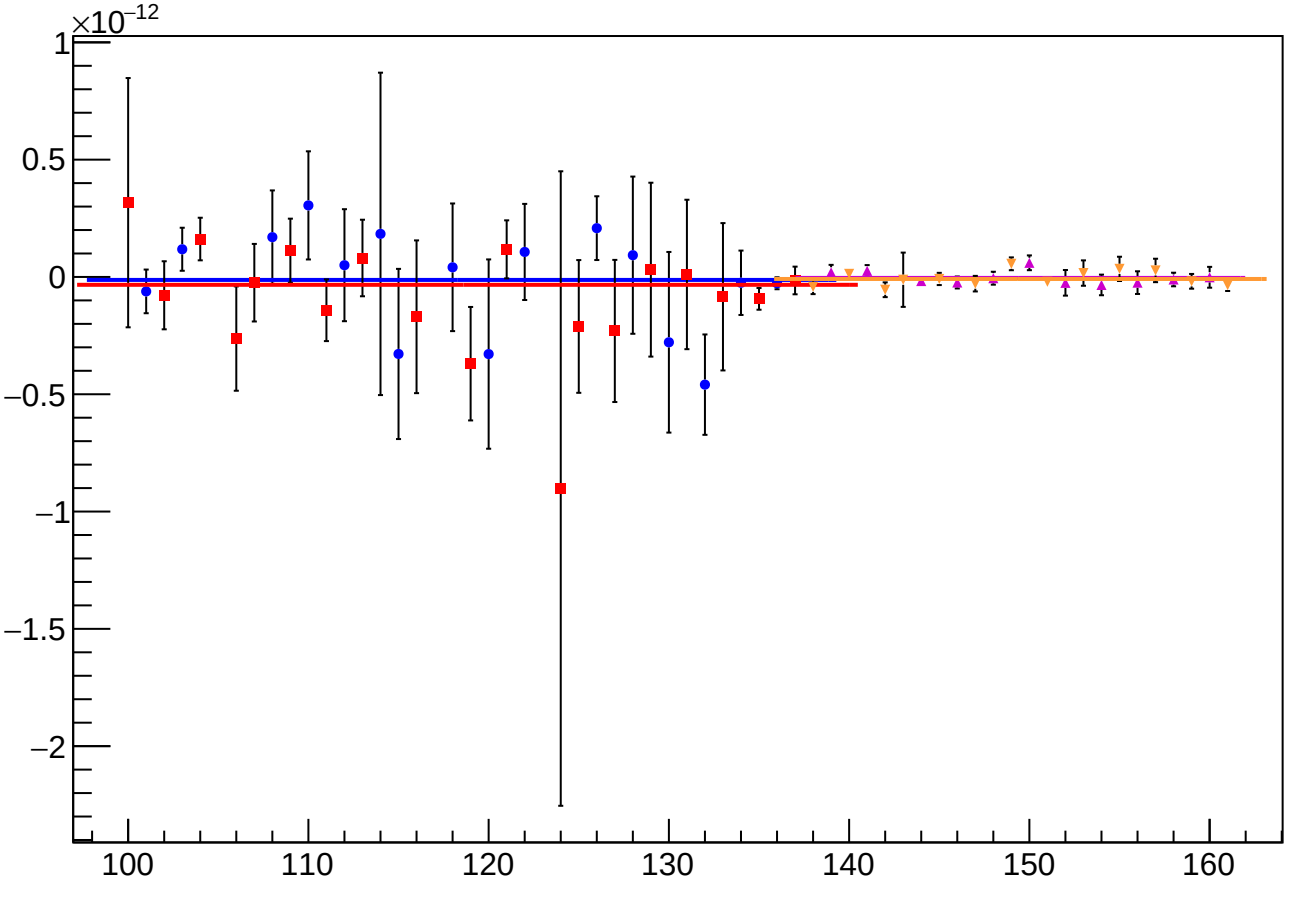
Left: 2025.933+/-0.323 χ^2/NDF: 594943.5/23

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2136.079+/-0.373 χ^2/NDF:782298.6/26

Out: 2146.474+/-0.369 χ^2/NDF:1380387.2/31

All: 2141.334+/-0.263 χ^2/NDF: 2163077.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/10

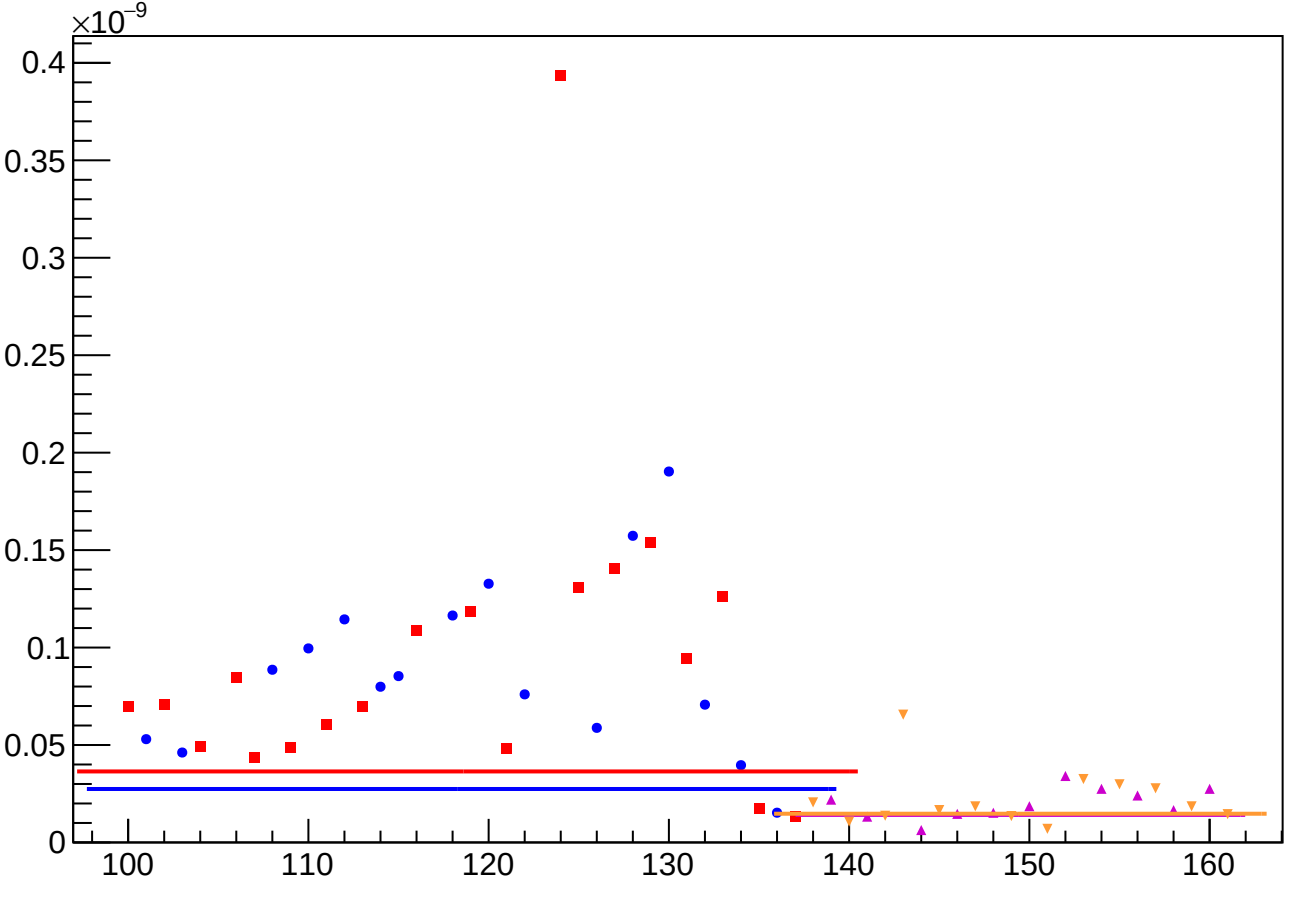
Left: -0.000+/-0.000 χ^2/NDF: 22.4/23

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:23.6/26

Out: -0.000+/-0.000 χ^2/NDF:29.6/31

All: -0.000+/-0.000 χ^2/NDF: 53.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1491944.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1536316.1/10

Left: 0.000+/-0.000 χ^2/NDF: 3033942.8/23

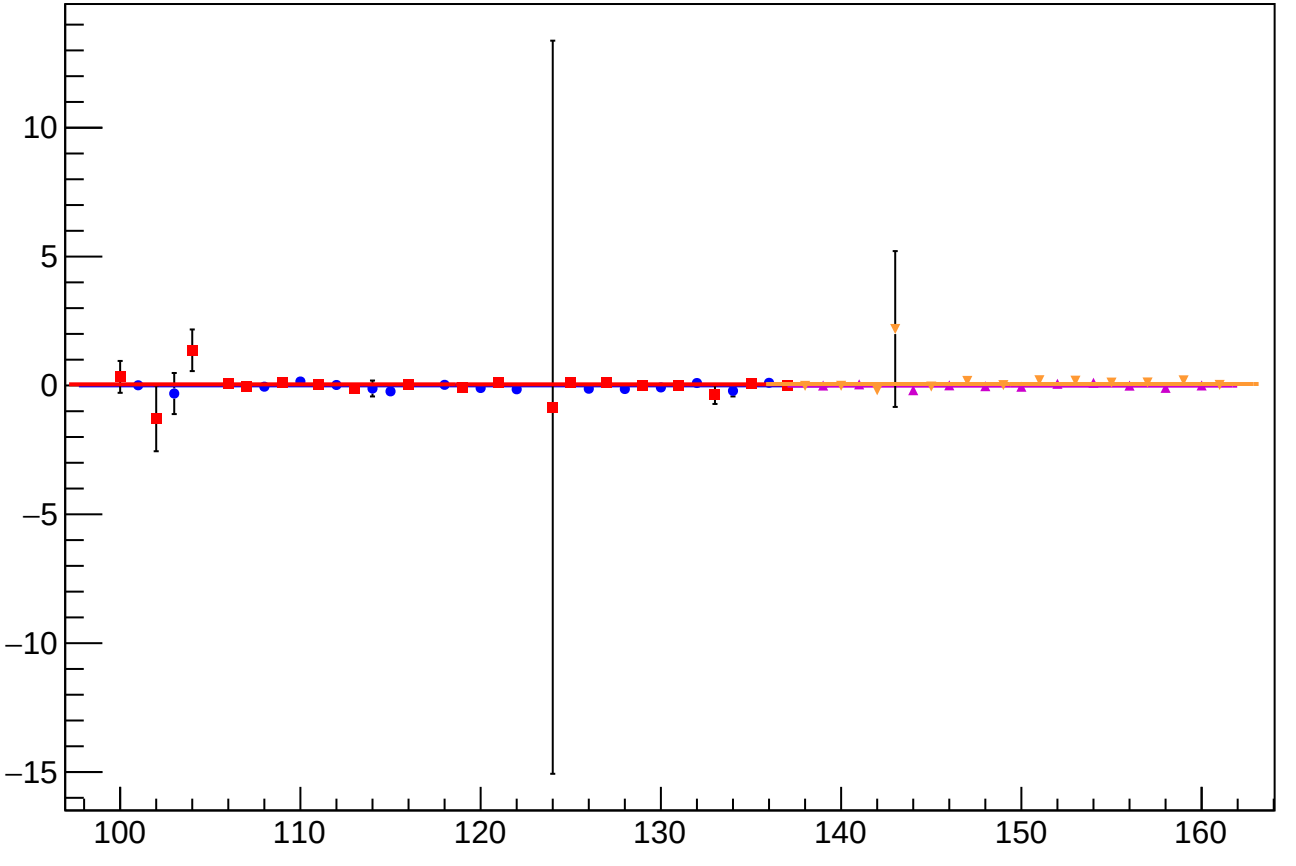
Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4897239.3/26

Out: 0.000+/-0.000 χ^2/NDF:5043748.6/31

All: 0.000+/-0.000 χ^2/NDF: 9948640.2/58

asym_at2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.023 χ^2/NDF:6.0/10

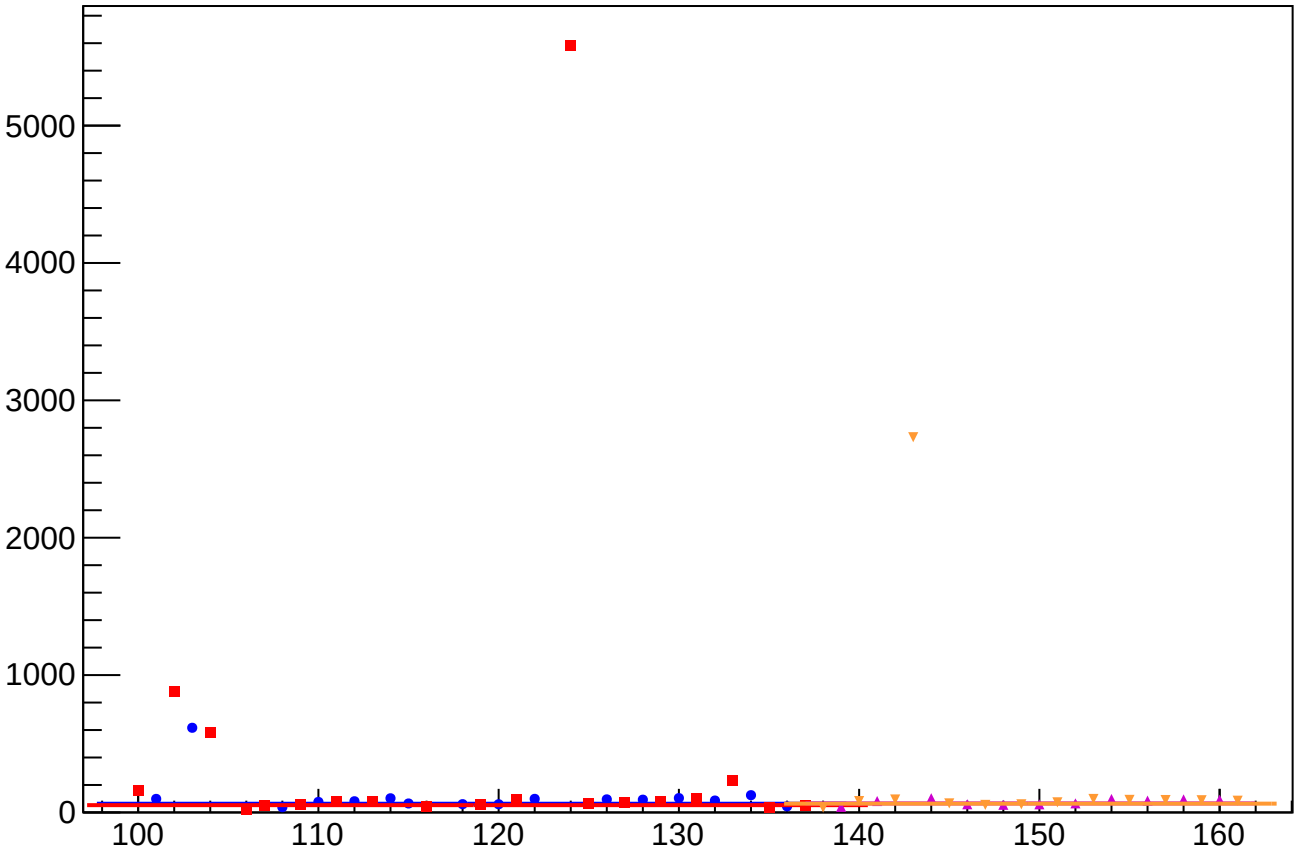
Left: 0.025+/-0.016 χ^2/NDF: 29.2/23

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.051+/-0.017 χ^2/NDF:32.0/31

All: 0.025+/-0.012 χ^2/NDF: 56.4/58



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.117+/-0.016 χ^2/NDF:3367706.6/12

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

Left: 64.948+/-0.012 χ^2/NDF: 4842635.8/23

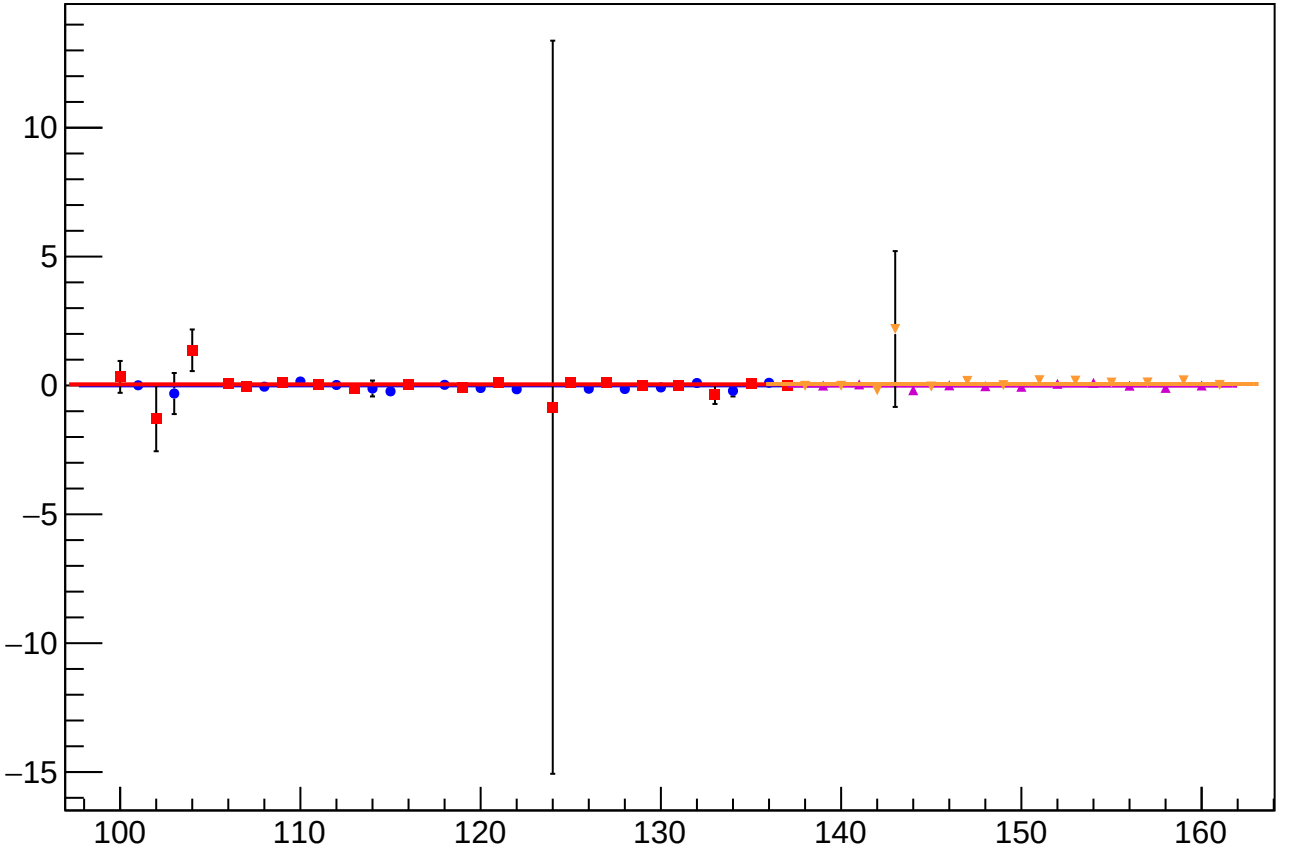
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.816+/-0.013 χ^2/NDF:3923449.1/26

Out: 59.123+/-0.012 χ^2/NDF:7522790.1/31

All: 61.823+/-0.009 χ^2/NDF: 11555124.2/58

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: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.016 χ^2/NDF: 29.2/23

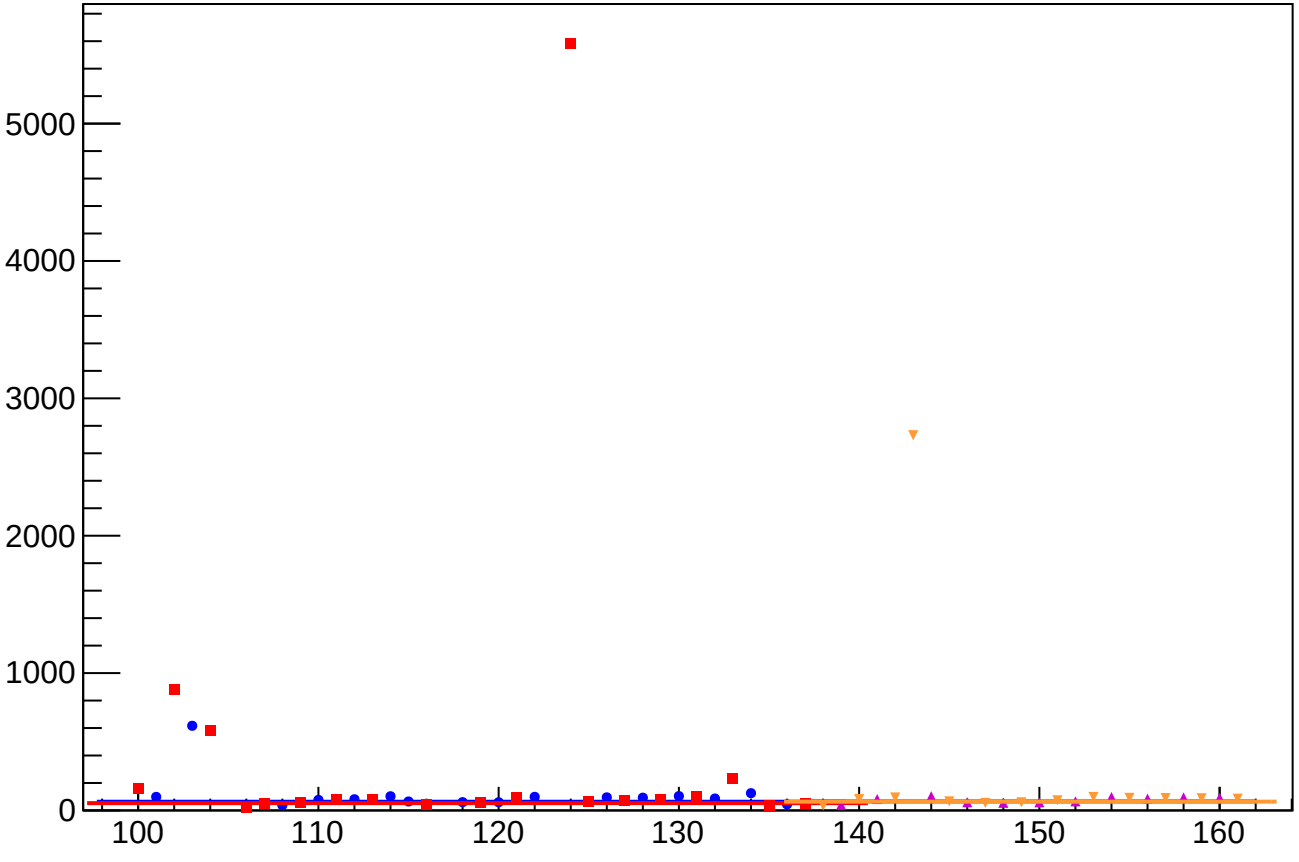
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.051+/-0.017 χ^2/NDF:32.0/31

All: 0.025+/-0.012 χ^2/NDF: 56.4/58

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.117+/-0.016 χ^2/NDF:3367706.6/12

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

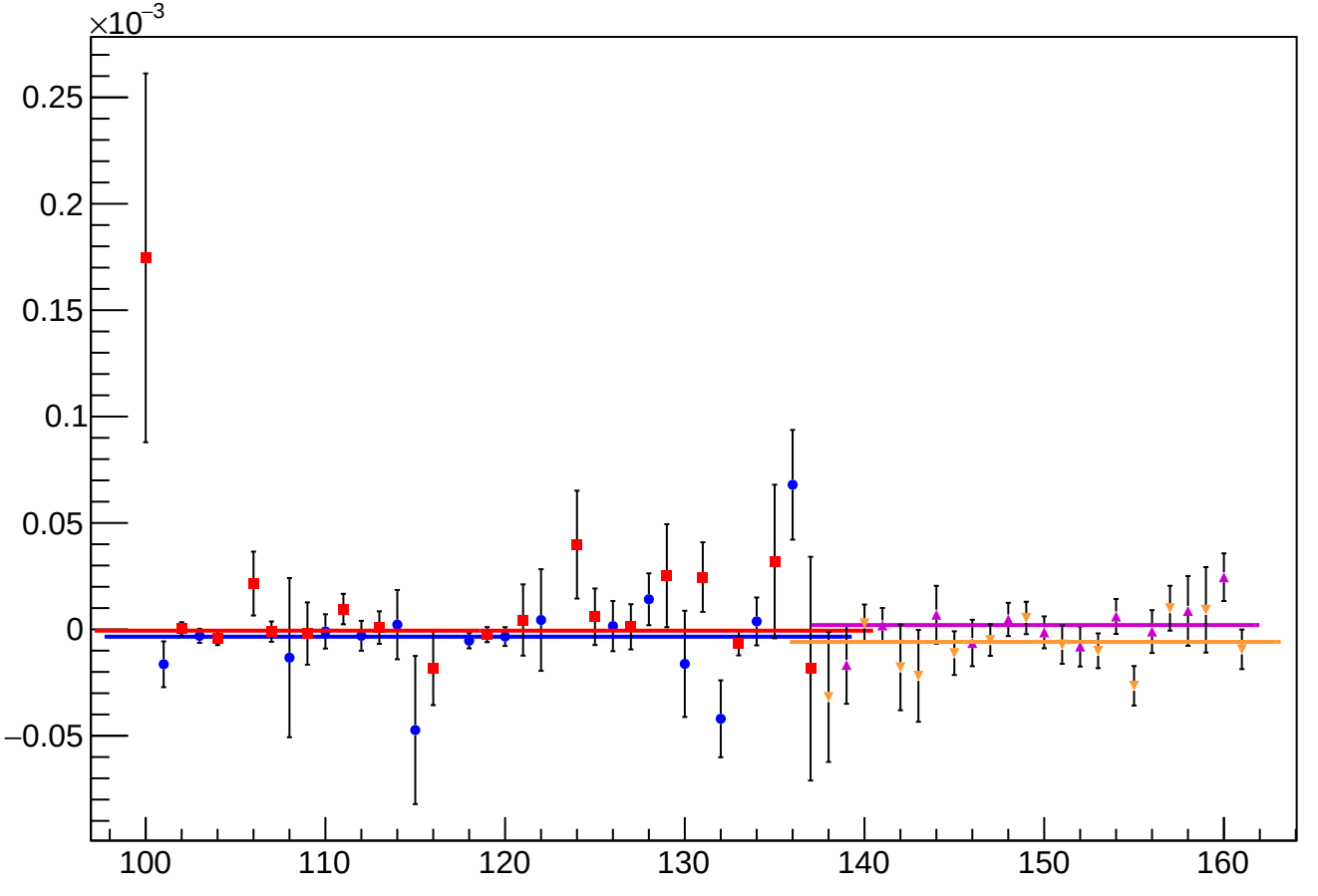
Left: 64.948+/-0.012 χ^2/NDF: 4842635.8/23

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.816+/-0.013 χ^2/NDF:3923449.1/26

Out: 59.123+/-0.012 χ^2/NDF:7522790.1/31

All: 61.823+/-0.009 χ^2/NDF: 11555124.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/10

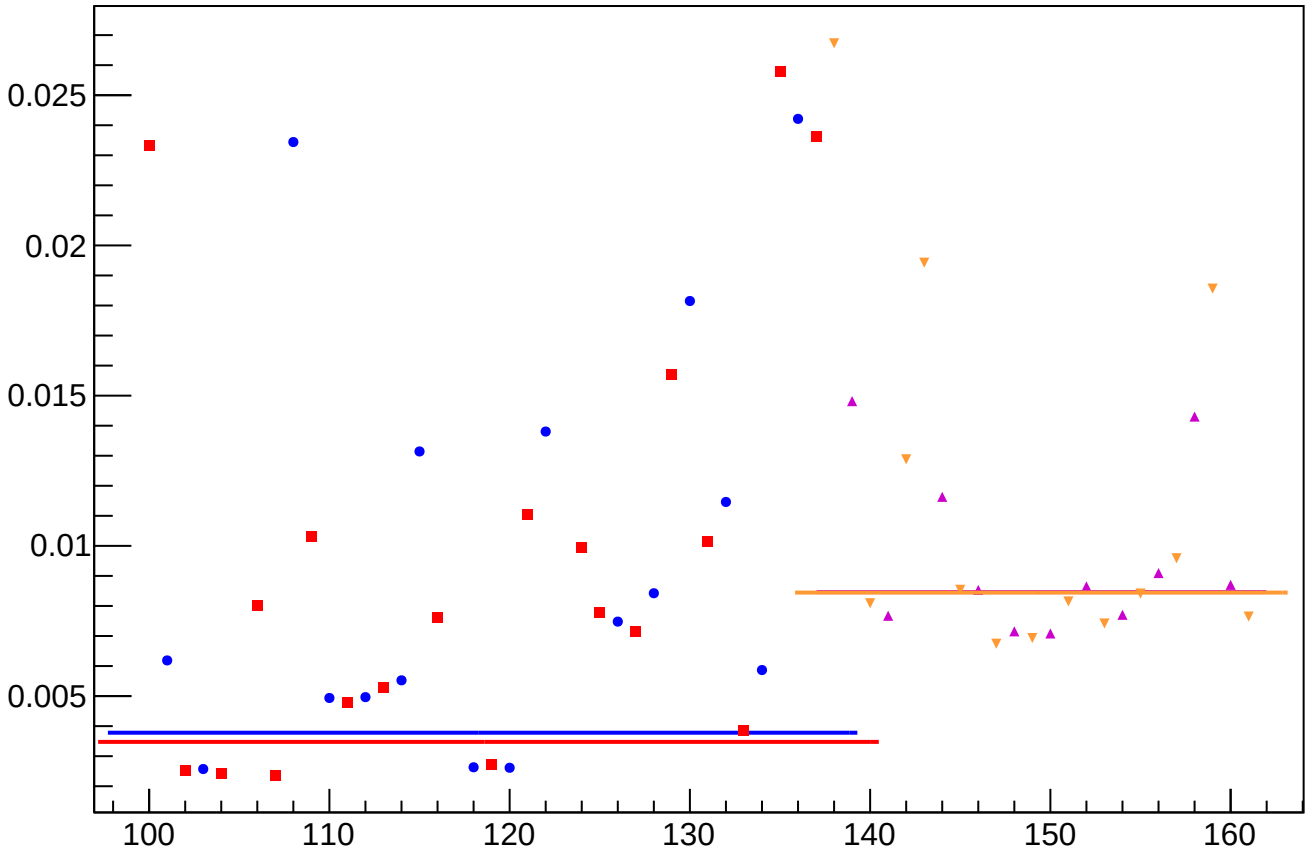
Left: -0.000+/-0.000 χ^2/NDF: 24.8/23

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:29.1/26

Out: -0.000+/-0.000 χ^2/NDF:35.1/31

All: -0.000+/-0.000 χ^2/NDF: 64.2/58



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2101191.1/12

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:773929.5/10

Left: 0.008+/-0.000 χ^2/NDF: 2875152.9/23

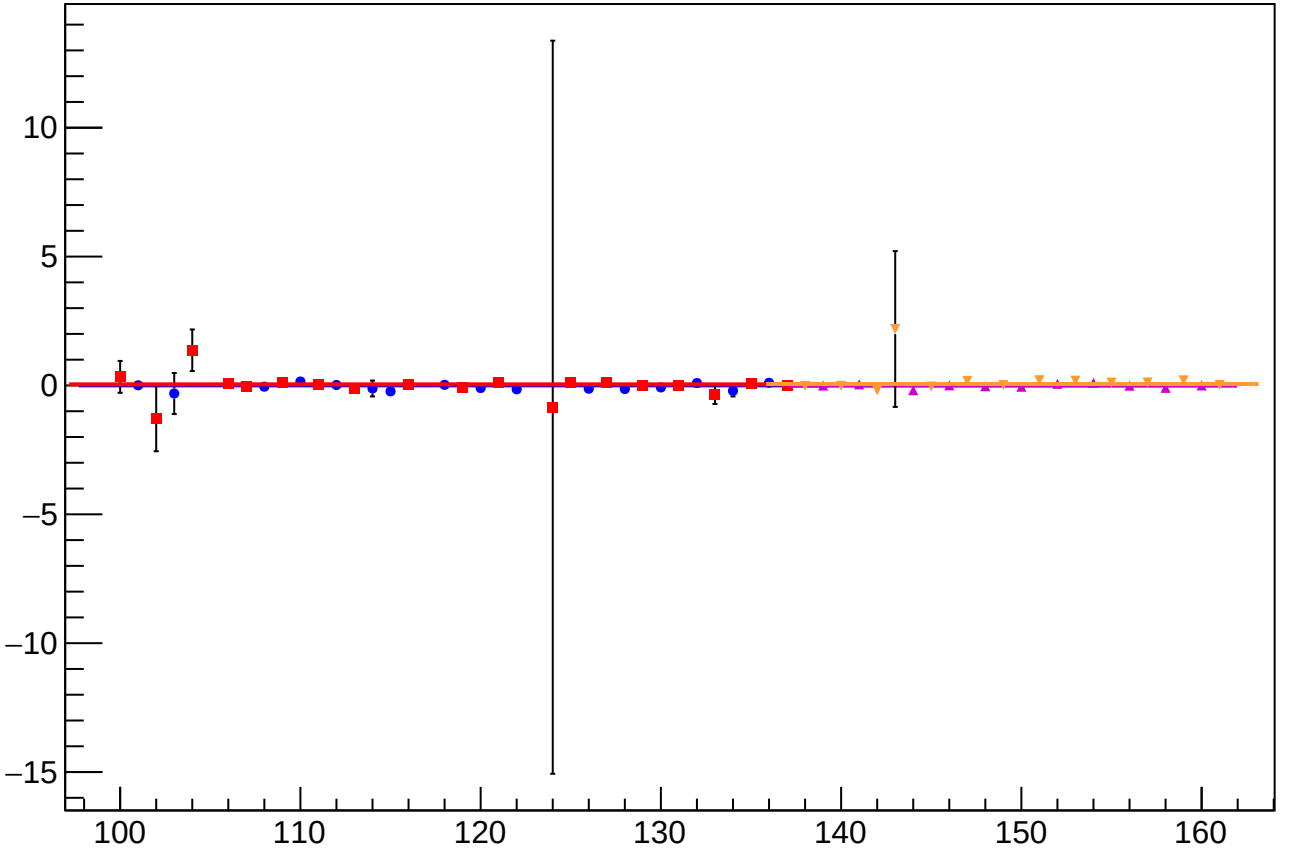
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9106121.6/26

Out: 0.005+/-0.000 χ^2/NDF:11368288.6/31

All: 0.005+/-0.000 χ^2/NDF: 20568075.5/58

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.016 χ^2/NDF: 29.2/23

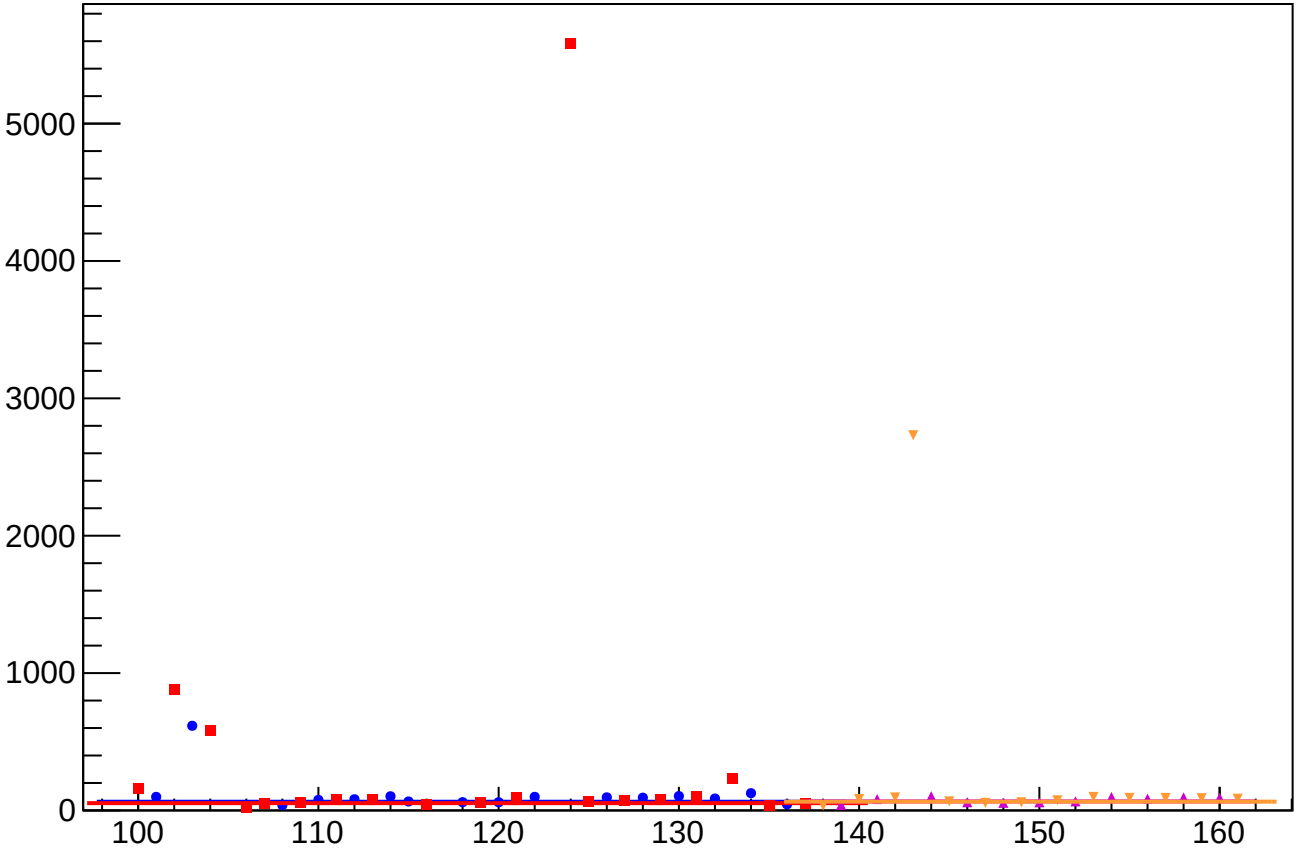
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.051+/-0.017 χ^2/NDF:32.0/31

All: 0.025+/-0.012 χ^2/NDF: 56.4/58

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: 64.115+/-0.016 χ^2/NDF:3367790.6/12

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

Left: 64.949+/-0.012 χ^2/NDF: 4842364.2/23

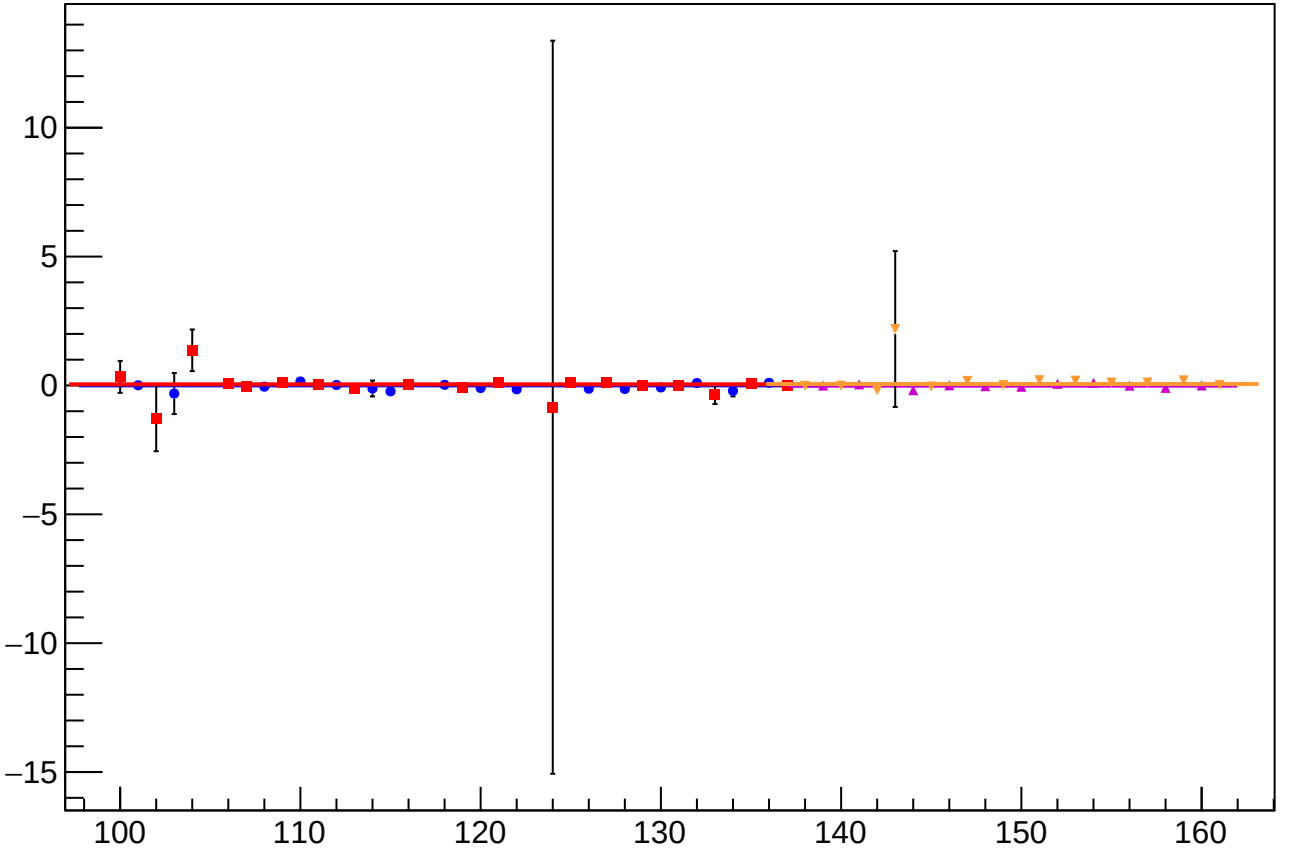
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.822+/-0.013 χ^2/NDF:3922119.9/26

Out: 59.119+/-0.012 χ^2/NDF:7523558.9/31

All: 61.823+/-0.009 χ^2/NDF: 11554922.3/58

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: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.008+/-0.023 χ^2/NDF:6.0/10

Left: 0.025+/-0.016 χ^2/NDF: 29.2/23

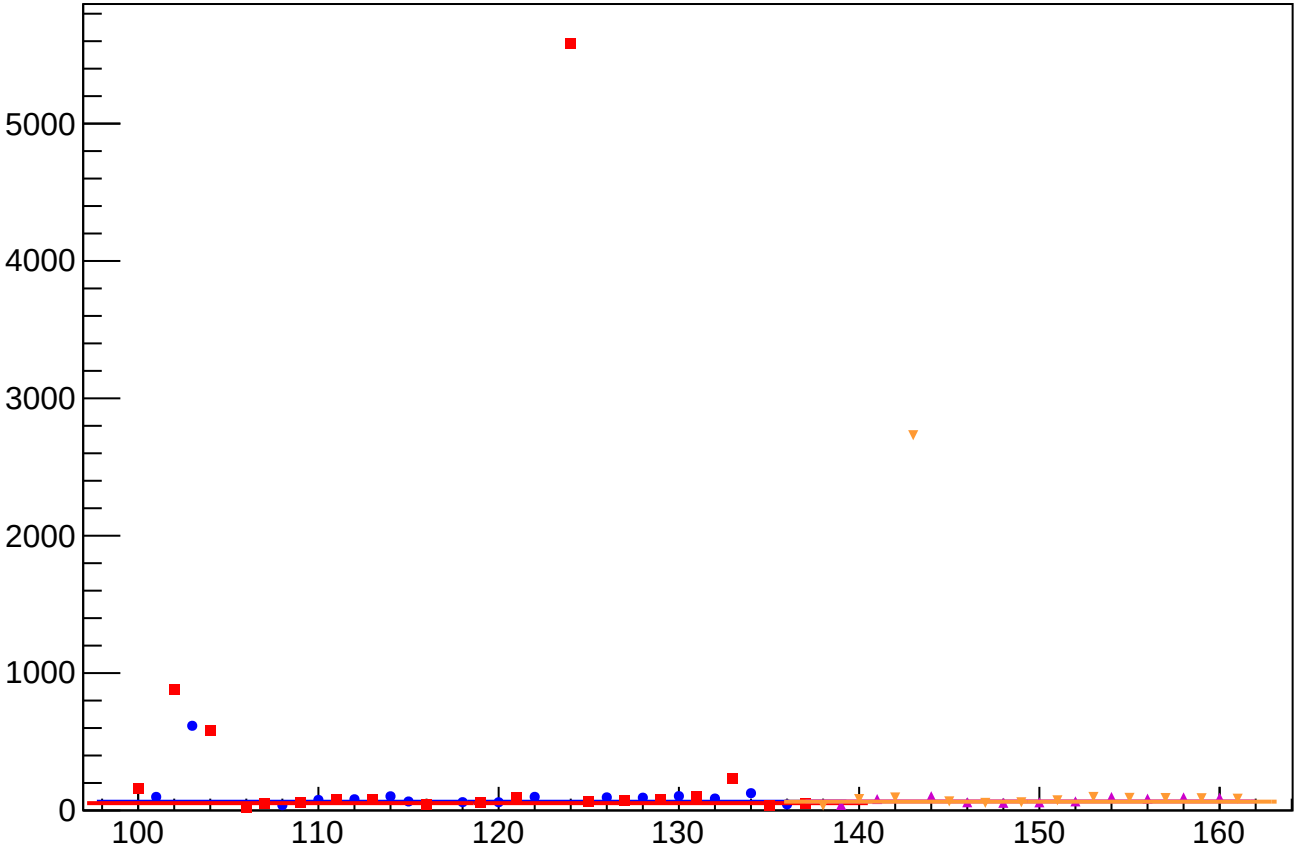
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.003+/-0.018 χ^2/NDF:19.4/26

Out: 0.051+/-0.017 χ^2/NDF:32.0/31

All: 0.025+/-0.012 χ^2/NDF: 56.4/58

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: 64.115+/-0.016 χ^2/NDF:3367790.6/12

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

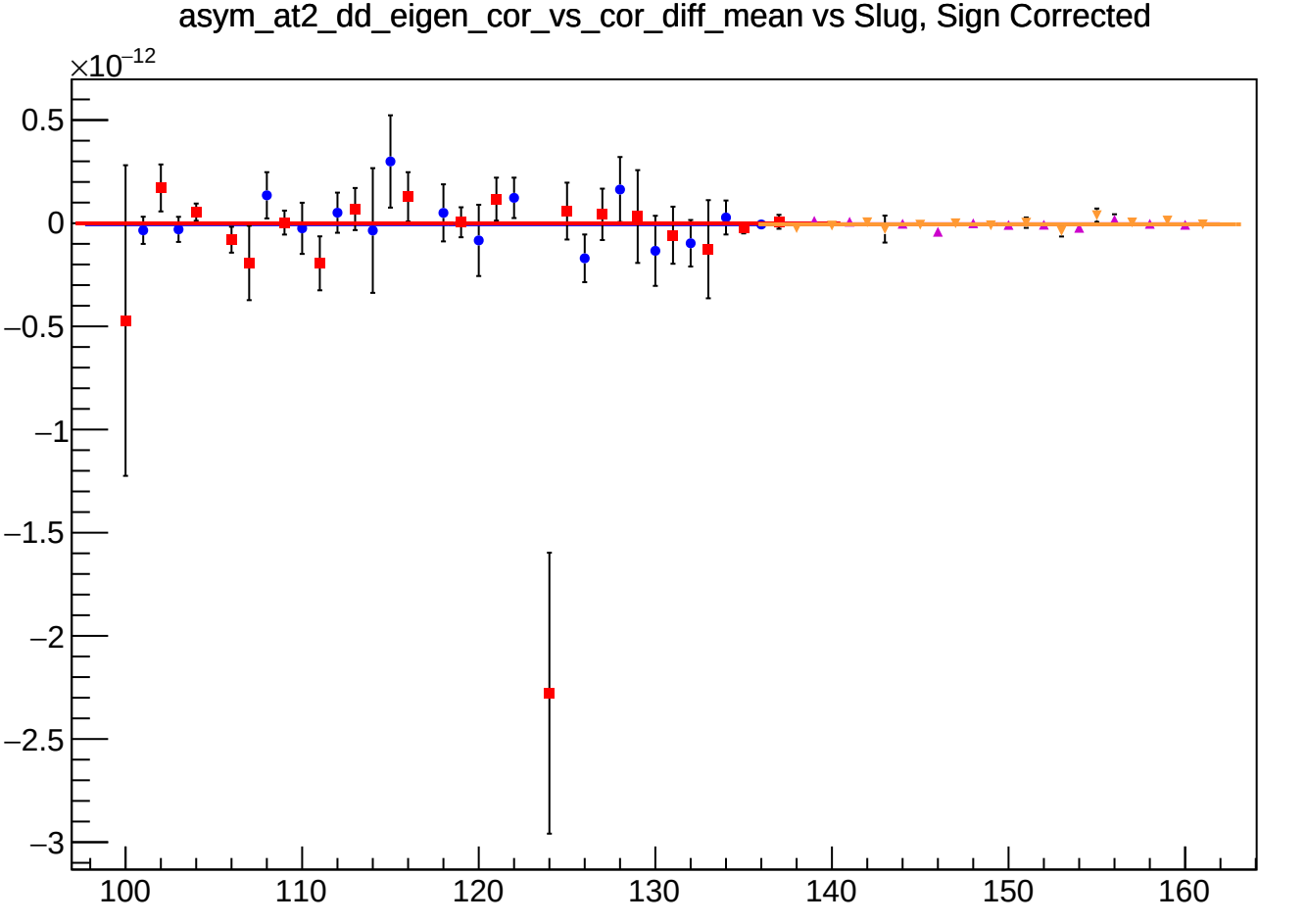
Left: 64.949+/-0.012 χ^2/NDF: 4842364.2/23

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.822+/-0.013 χ^2/NDF:3922119.9/26

Out: 59.119+/-0.012 χ^2/NDF:7523558.9/31

All: 61.823+/-0.009 χ^2/NDF: 11554922.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

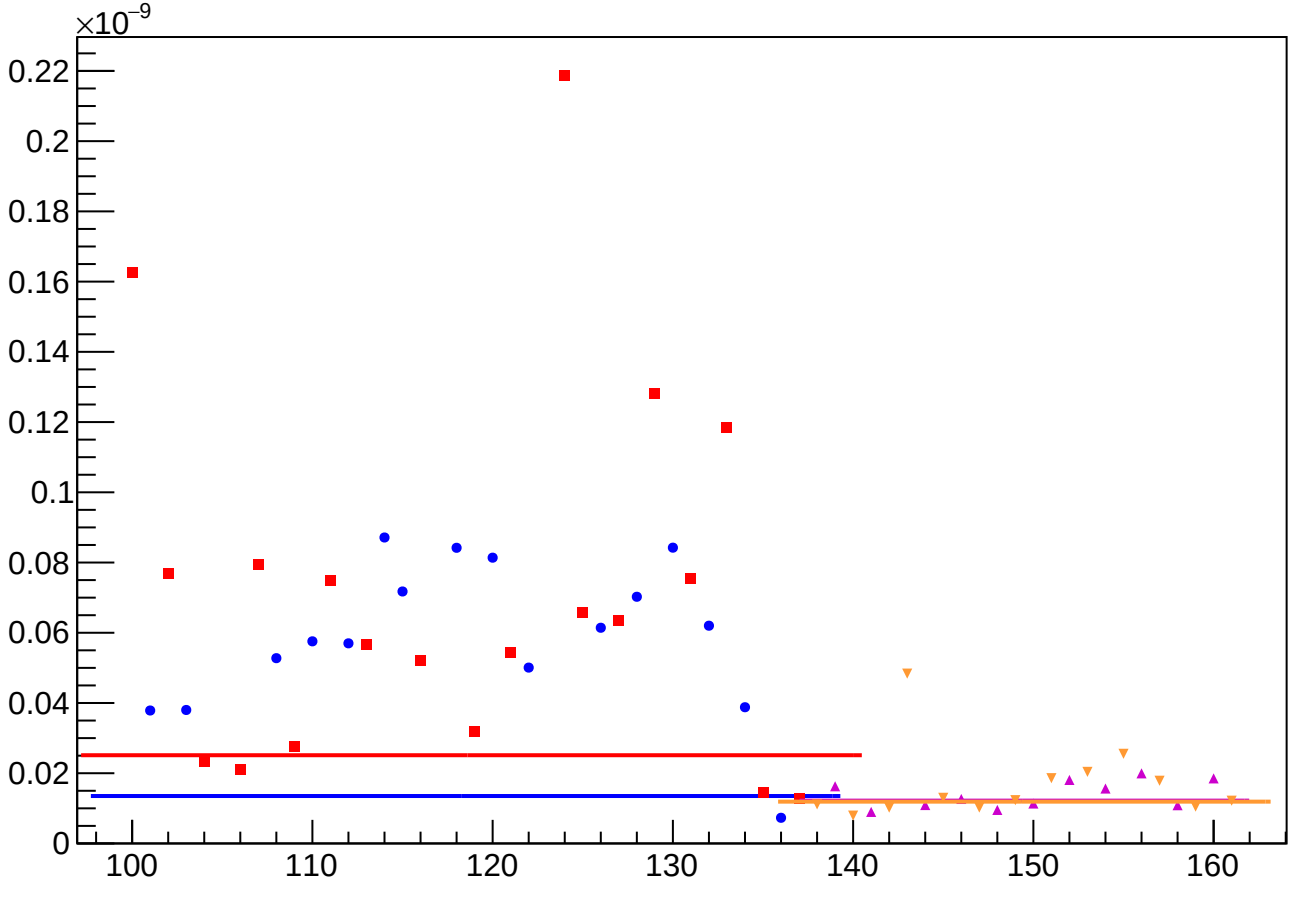
Left: -0.000+/-0.000 χ^2/NDF: 15.7/23

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.2/26

Out: -0.000+/-0.000 χ^2/NDF:32.5/31

All: -0.000+/-0.000 χ^2/NDF: 51.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1809358.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:838029.2/10

Left: 0.000+/-0.000 χ^2/NDF: 2650838.2/23

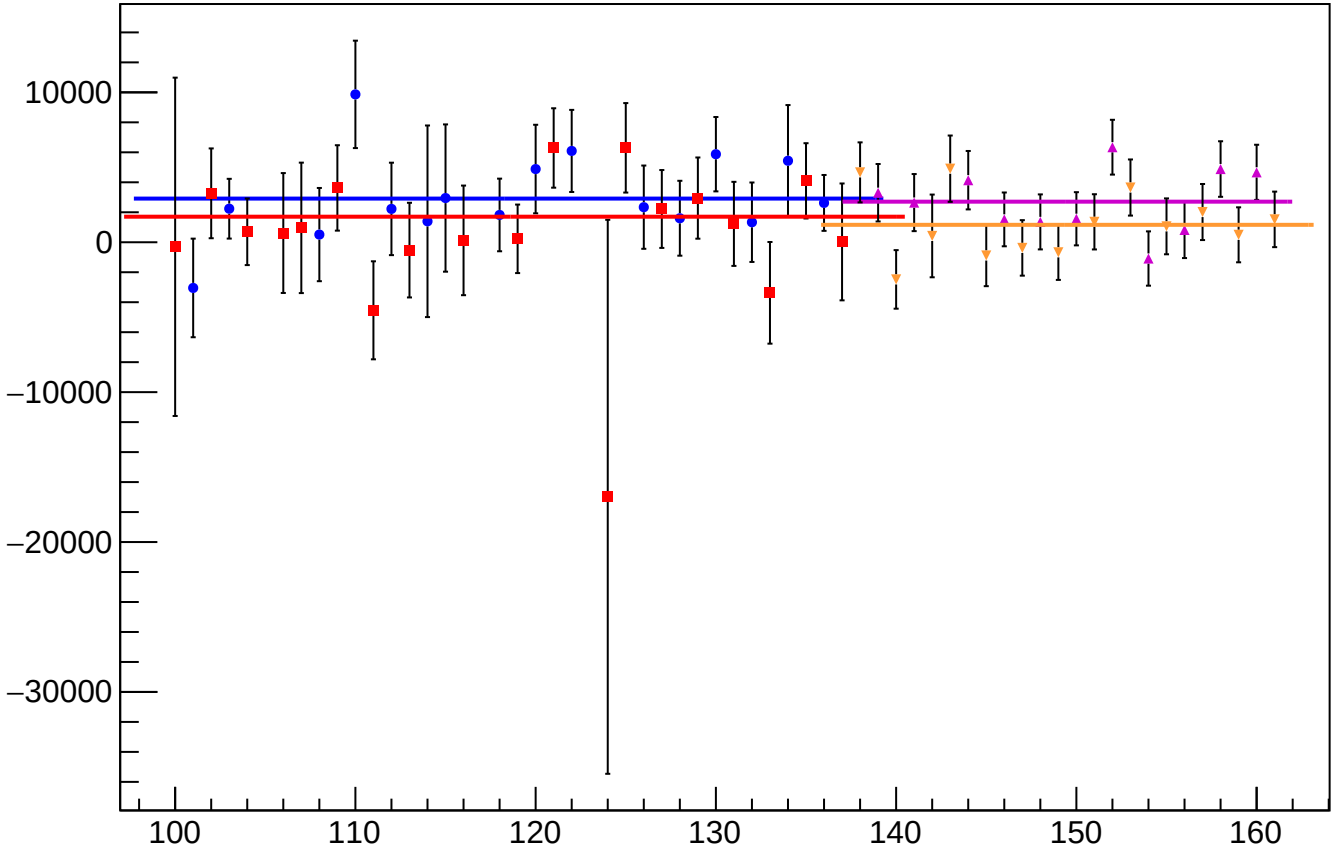
Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5857771.2/26

Out: 0.000+/-0.000 χ^2/NDF:6787912.8/31

All: 0.000+/-0.000 χ^2/NDF: 12668253.2/58

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1162.562+/-541.105 χ^2/NDF:14.3/12

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2707.423+/-558.064 χ^2/NDF:13.9/10

Left: 1911.163+/-388.476 χ^2/NDF: 32.1/23

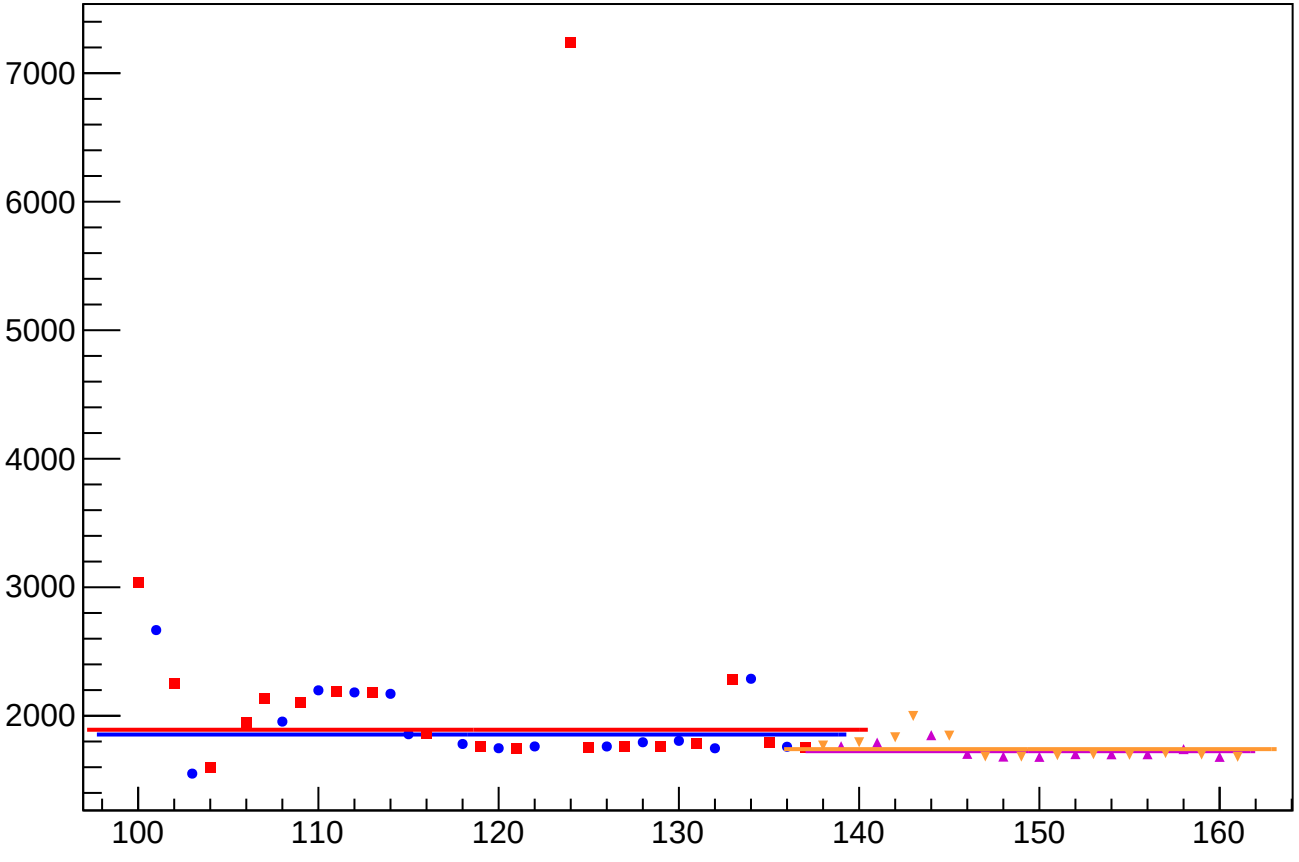
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2787.998+/-435.159 χ^2/NDF:26.4/26

Out: 1362.952+/-429.662 χ^2/NDF:30.5/31

All: 2066.418+/-305.742 χ^2/NDF: 62.3/58

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

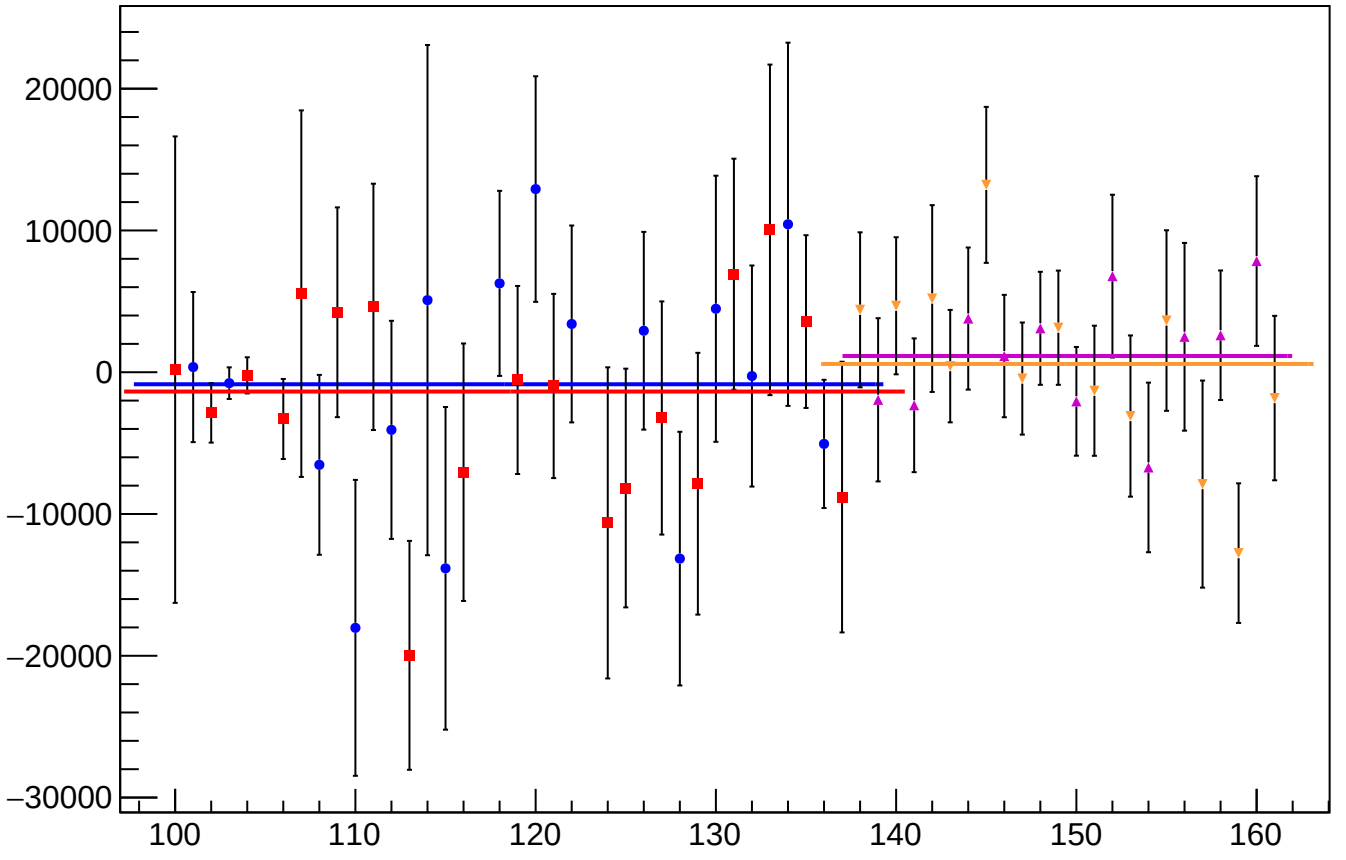
Left: 1732.934+/-0.275 χ^2/NDF: 64510.5/23

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1775.505+/-0.308 χ^2/NDF:321869.0/26

Out: 1796.554+/-0.304 χ^2/NDF:469016.1/31

All: 1786.173+/-0.216 χ^2/NDF: 793256.6/58



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 584.336+/-1394.312 χ^2/NDF:17.1/12

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 1146.139+/-1480.062 χ^2/NDF:6.1/10

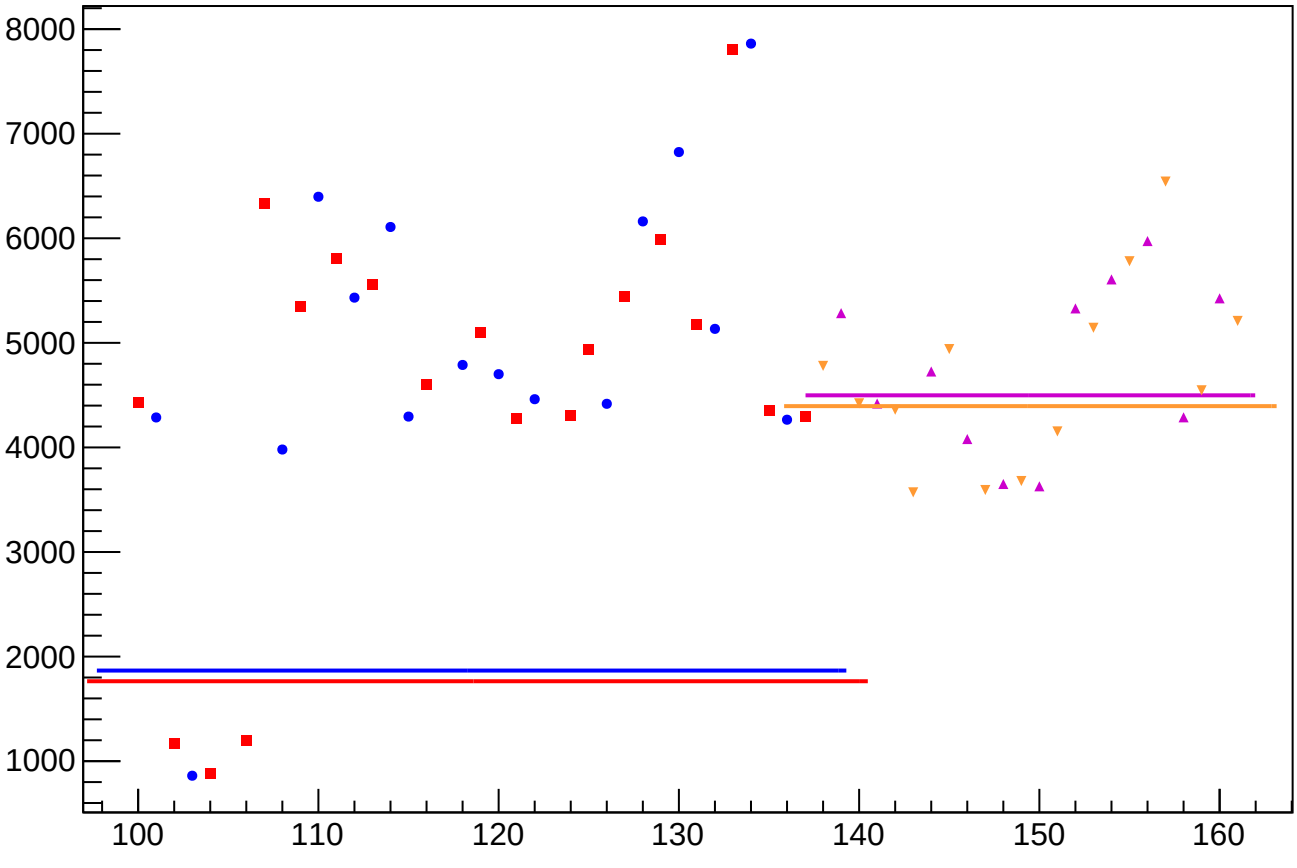
Left: 848.492+/-1014.889 χ^2/NDF: 23.3/23

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

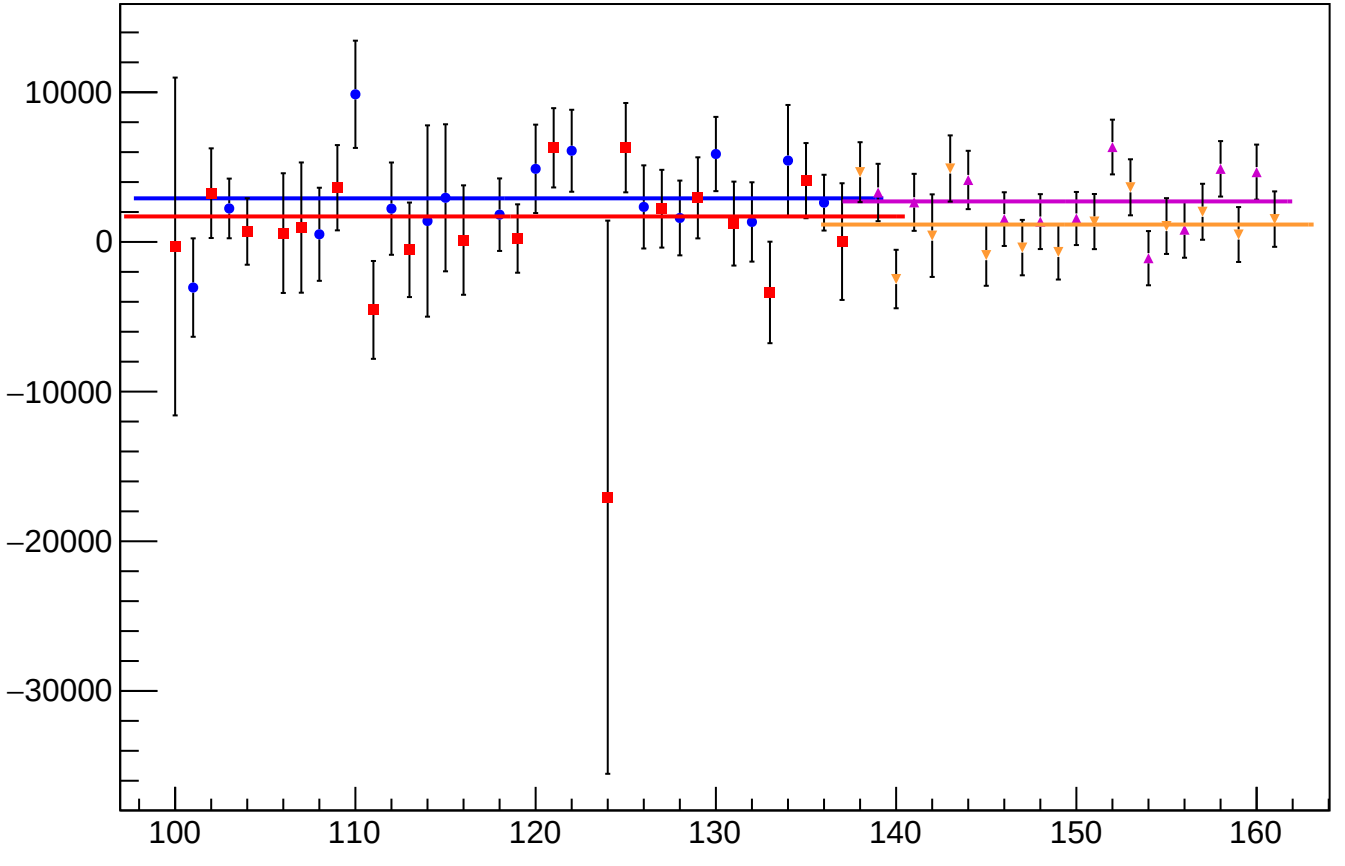
In: -254.939+/-807.135 χ^2/NDF:21.3/26

Out: -774.961+/-765.528 χ^2/NDF:32.5/31

All: -528.698+/-555.437 χ^2/NDF: 54.0/58


asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1866.405+/-0.681 χ²/NDF: 6849638.3/15
Left Out: 4394.897+/-0.986 χ²/NDF:610948.5/12
Right Out: 1764.281+/-0.648 χ²/NDF: 6434807.7/18
Left In: 4498.236+/-1.047 χ²/NDF:516304.3/10
Left: 4443.487+/-0.718 χ²/NDF: 1132418.3/23
Right: 1812.790+/-0.469 χ²/NDF: 13296256.2/34
In: 2649.096+/-0.571 χ²/NDF:11809166.0/26
Out: 2557.257+/-0.541 χ²/NDF:12018863.0/31
All: 2600.748+/-0.393 χ²/NDF: 23841660.2/5

cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1162.401+/-541.105 χ^2/NDF:14.3/12

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2707.540+/-558.064 χ^2/NDF:13.9/10

Left: 1911.137+/-388.476 χ^2/NDF: 32.1/23

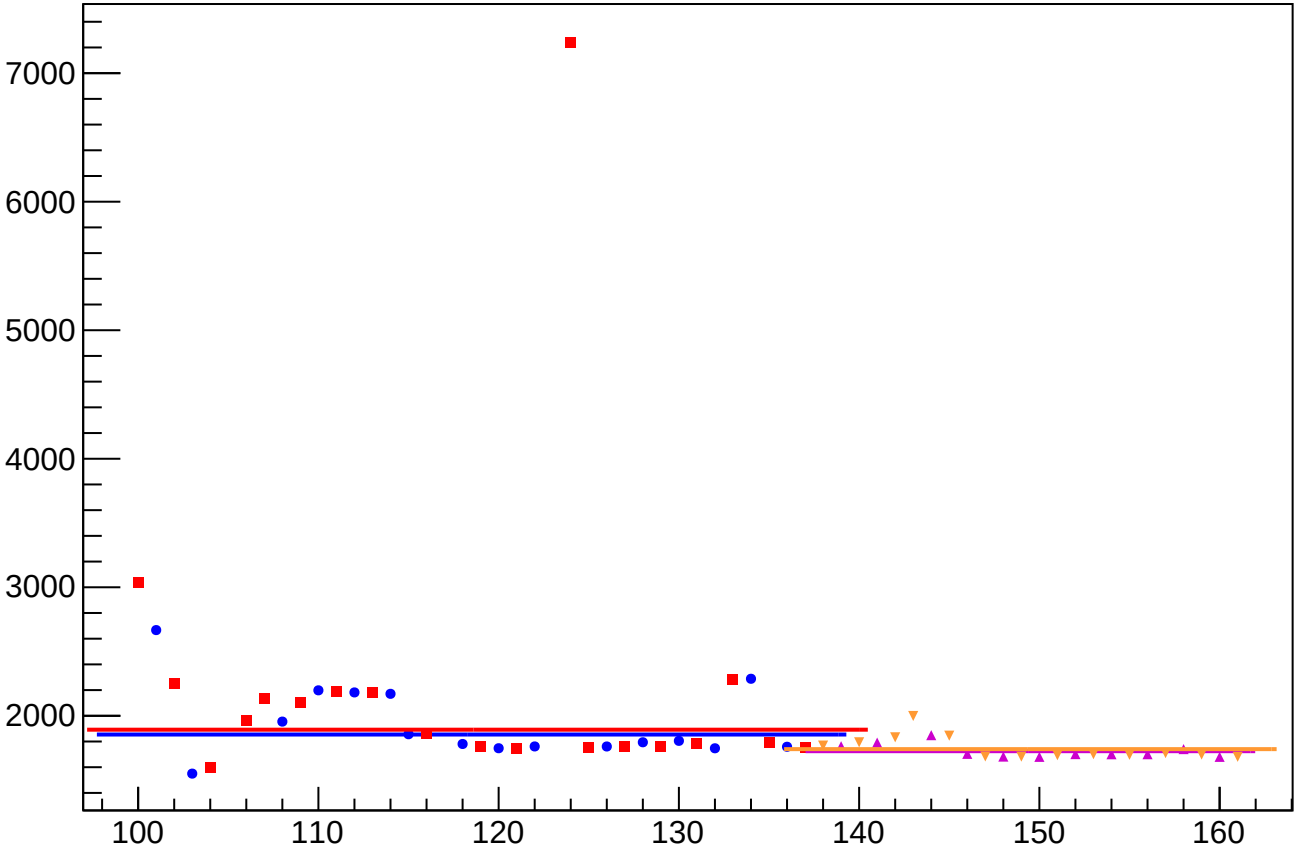
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.109+/-435.159 χ^2/NDF:26.4/26

Out: 1362.340+/-429.662 χ^2/NDF:30.5/31

All: 2066.164+/-305.742 χ^2/NDF: 62.3/58

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

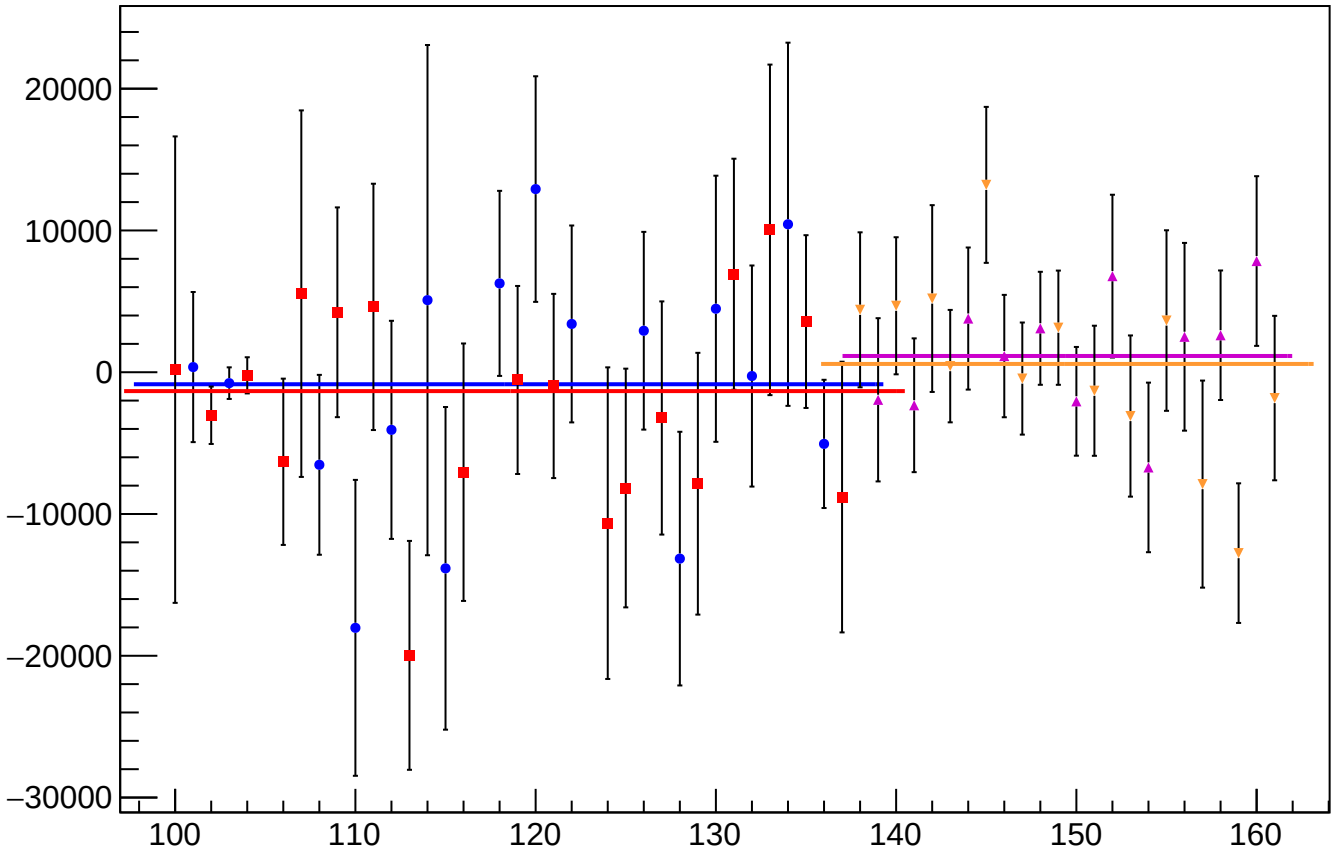
Left: 1732.934+/-0.275 χ^2/NDF: 64510.5/23

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1775.505+/-0.308 χ^2/NDF:321868.9/26

Out: 1796.708+/-0.304 χ^2/NDF:469591.6/31

All: 1786.250+/-0.216 χ^2/NDF: 793866.5/58



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 584.271+/-1394.311 χ^2/NDF:17.1/12

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1146.262+/-1480.062 χ^2/NDF:6.1/10

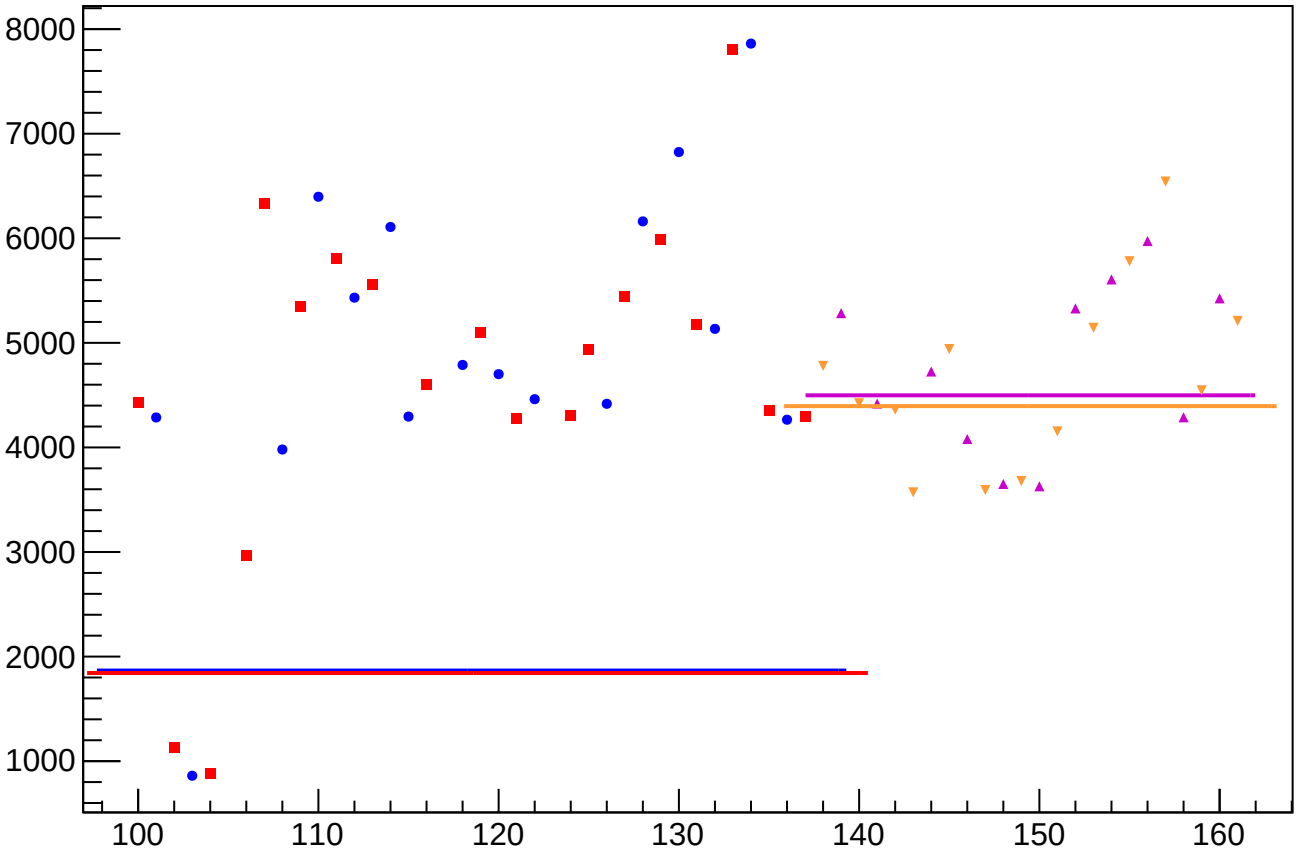
Left: 848.515+/-1014.888 χ^2/NDF: 23.3/23

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -254.616+/-807.103 χ^2/NDF:21.3/26

Out: -725.632+/-784.053 χ^2/NDF:32.8/31

All: -496.946+/-562.382 χ^2/NDF: 54.3/58



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4394.892+/-0.986 χ^2/NDF:610960.8/12

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

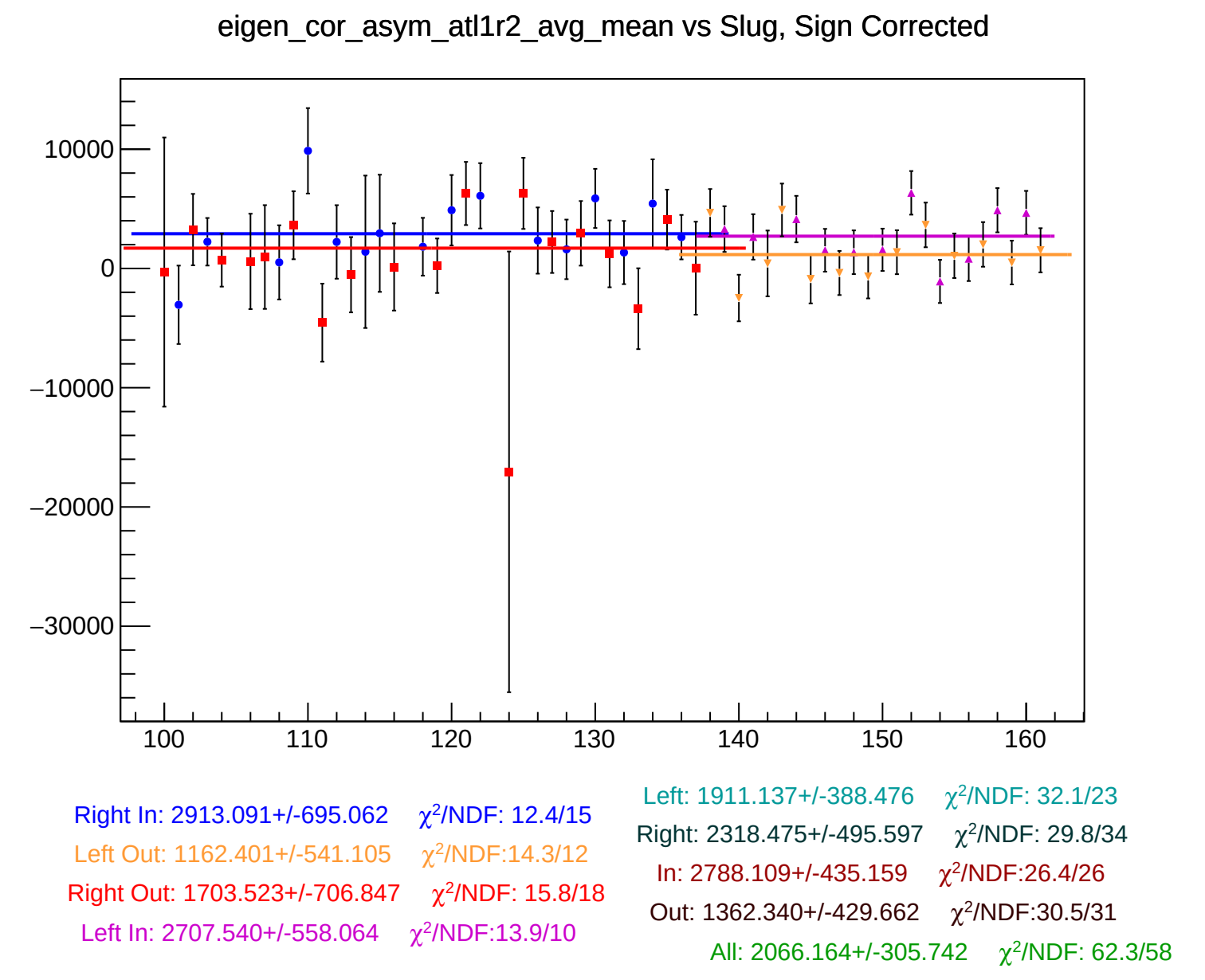
Left: 4443.484+/-0.718 χ^2/NDF: 1132442.5/23

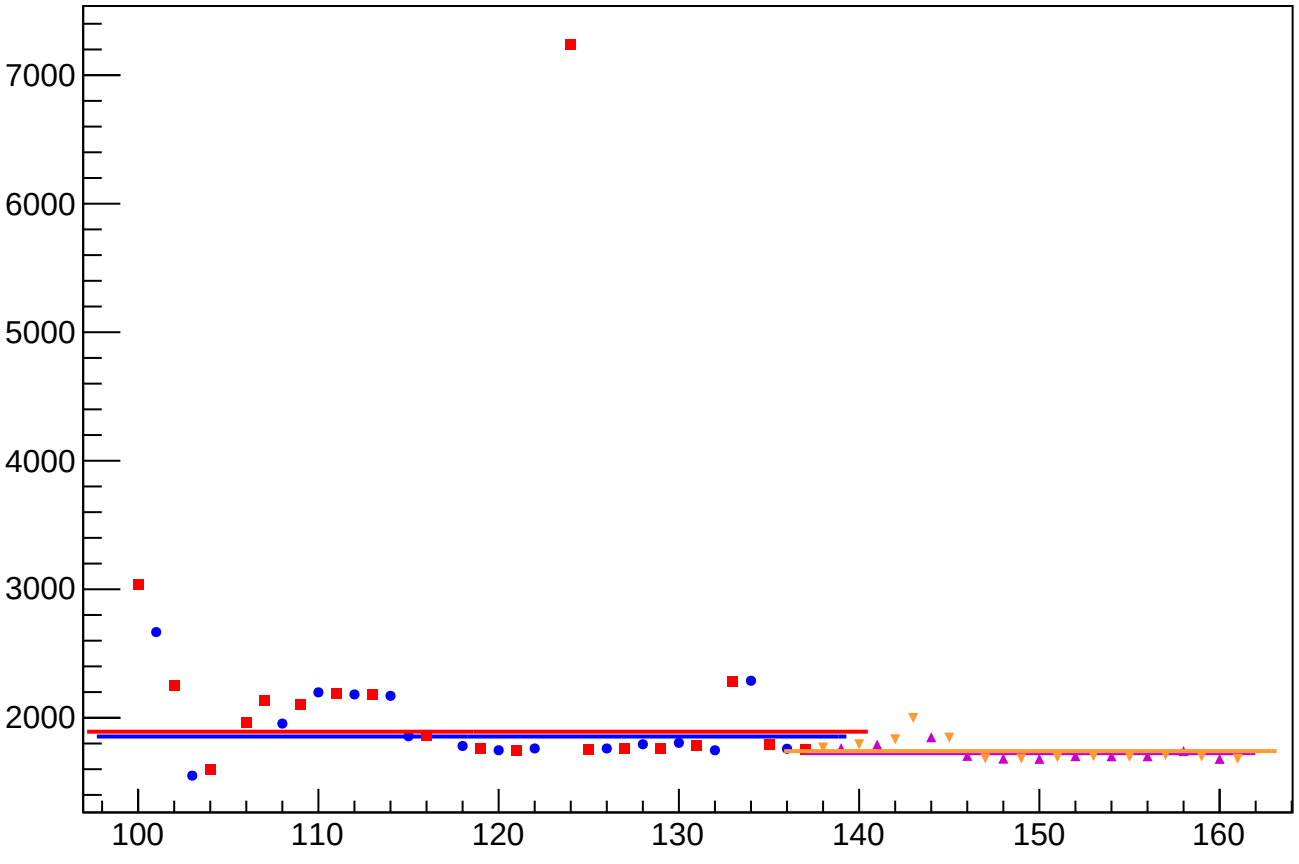
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2648.927+/-0.571 χ^2/NDF:11810261.7/26

Out: 2649.845+/-0.554 χ^2/NDF:11650839.2/31

All: 2649.399+/-0.398 χ^2/NDF: 23461102.3/5


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1162.401+/-541.105 χ²/NDF:14.3/12
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2707.540+/-558.064 χ²/NDF:13.9/10
Left: 1911.137+/-388.476 χ²/NDF: 32.1/23
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2788.109+/-435.159 χ²/NDF:26.4/26
Out: 1362.340+/-429.662 χ²/NDF:30.5/31
All: 2066.164+/-305.742 χ²/NDF: 62.3/58



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

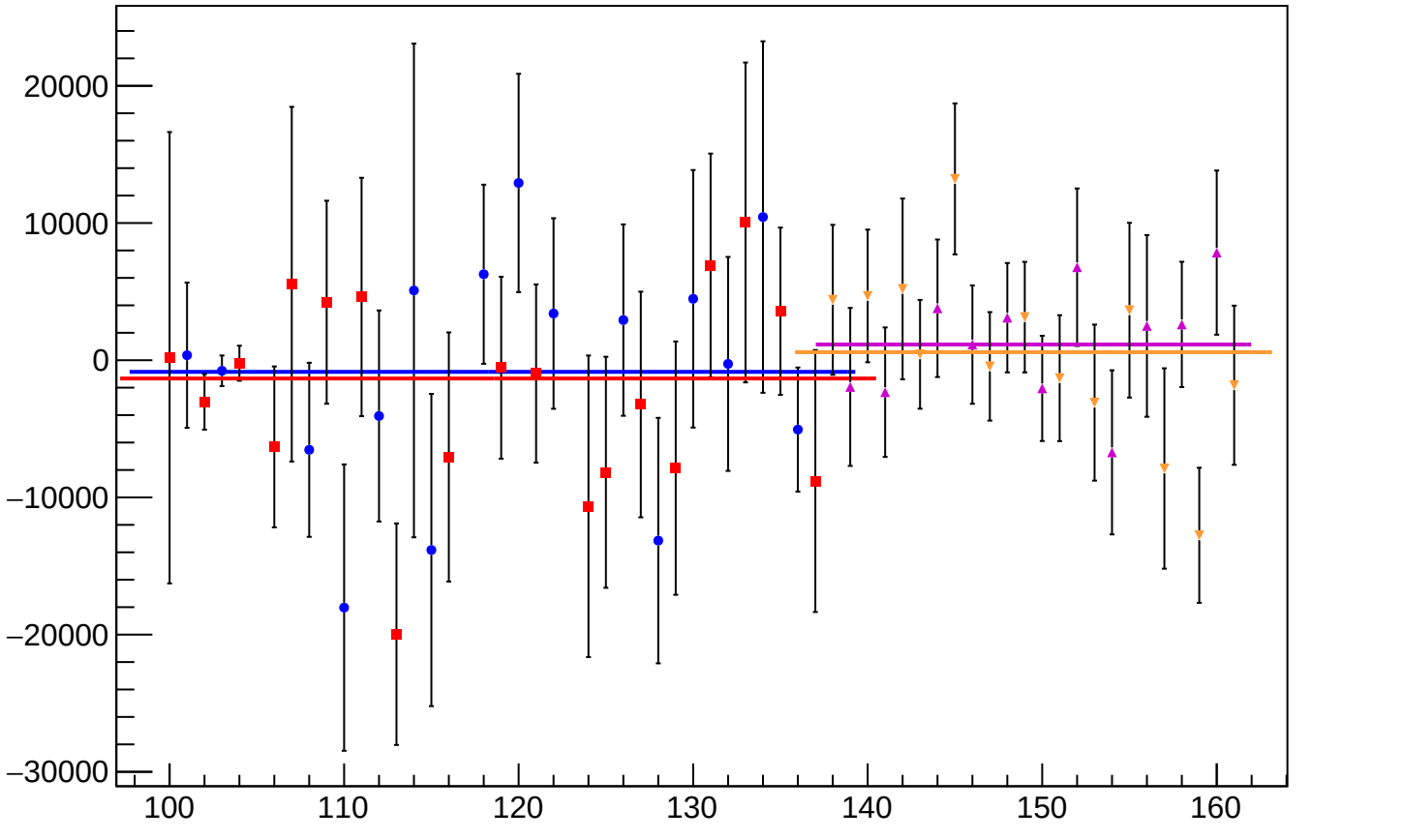
Left: 1732.934+/-0.275 χ^2/NDF: 64510.5/23

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1775.505+/-0.308 χ^2/NDF:321868.9/26

Out: 1796.708+/-0.304 χ^2/NDF:469591.6/31

All: 1786.250+/-0.216 χ^2/NDF: 793866.5/58



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 584.271+/-1394.311 χ^2/NDF:17.1/12

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1146.262+/-1480.062 χ^2/NDF:6.1/10

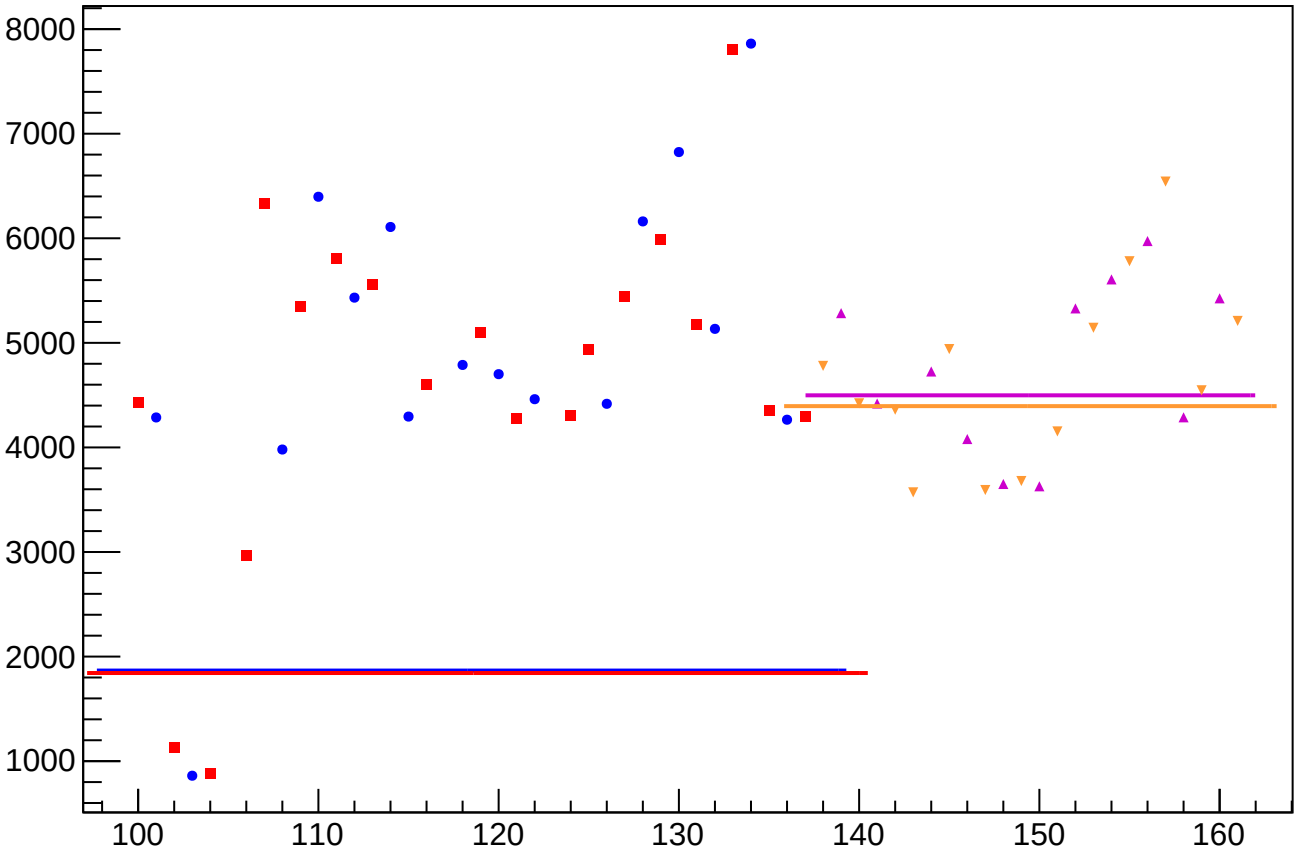
Left: 848.515+/-1014.888 χ^2/NDF: 23.3/23

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -254.616+/-807.103 χ^2/NDF:21.3/26

Out: -725.632+/-784.053 χ^2/NDF:32.8/31

All: -496.946+/-562.382 χ^2/NDF: 54.3/58



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4394.892+/-0.986 χ^2/NDF:610960.8/12

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

Left: 4443.484+/-0.718 χ^2/NDF: 1132442.5/23

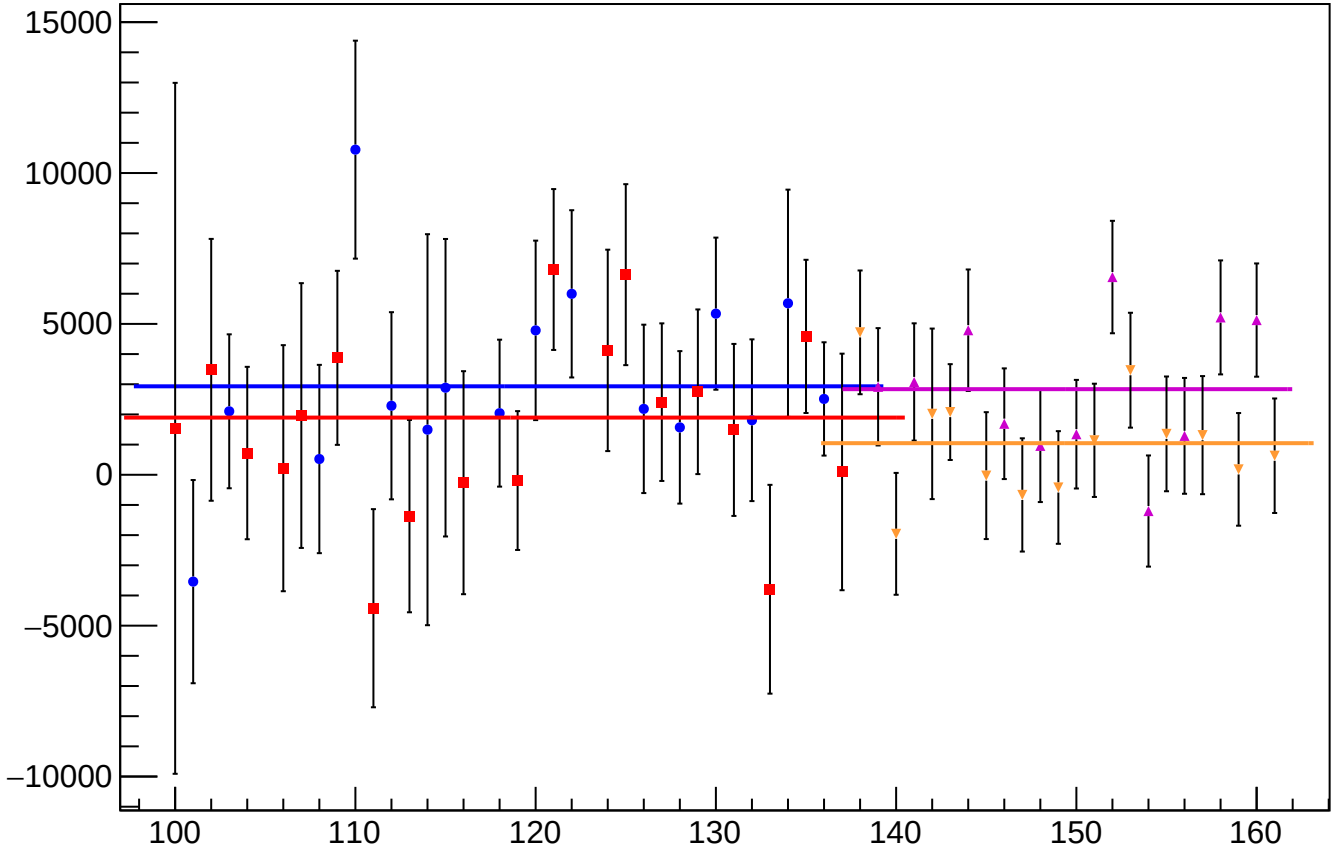
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2648.927+/-0.571 χ^2/NDF:11810261.7/26

Out: 2649.845+/-0.554 χ^2/NDF:11650839.2/31

All: 2649.399+/-0.398 χ^2/NDF: 23461102.3/5

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1047.309+/-537.268 χ^2/NDF:9.6/12

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2837.315+/-568.969 χ^2/NDF:15.6/10

Left: 1891.058+/-390.632 χ^2/NDF: 30.4/23

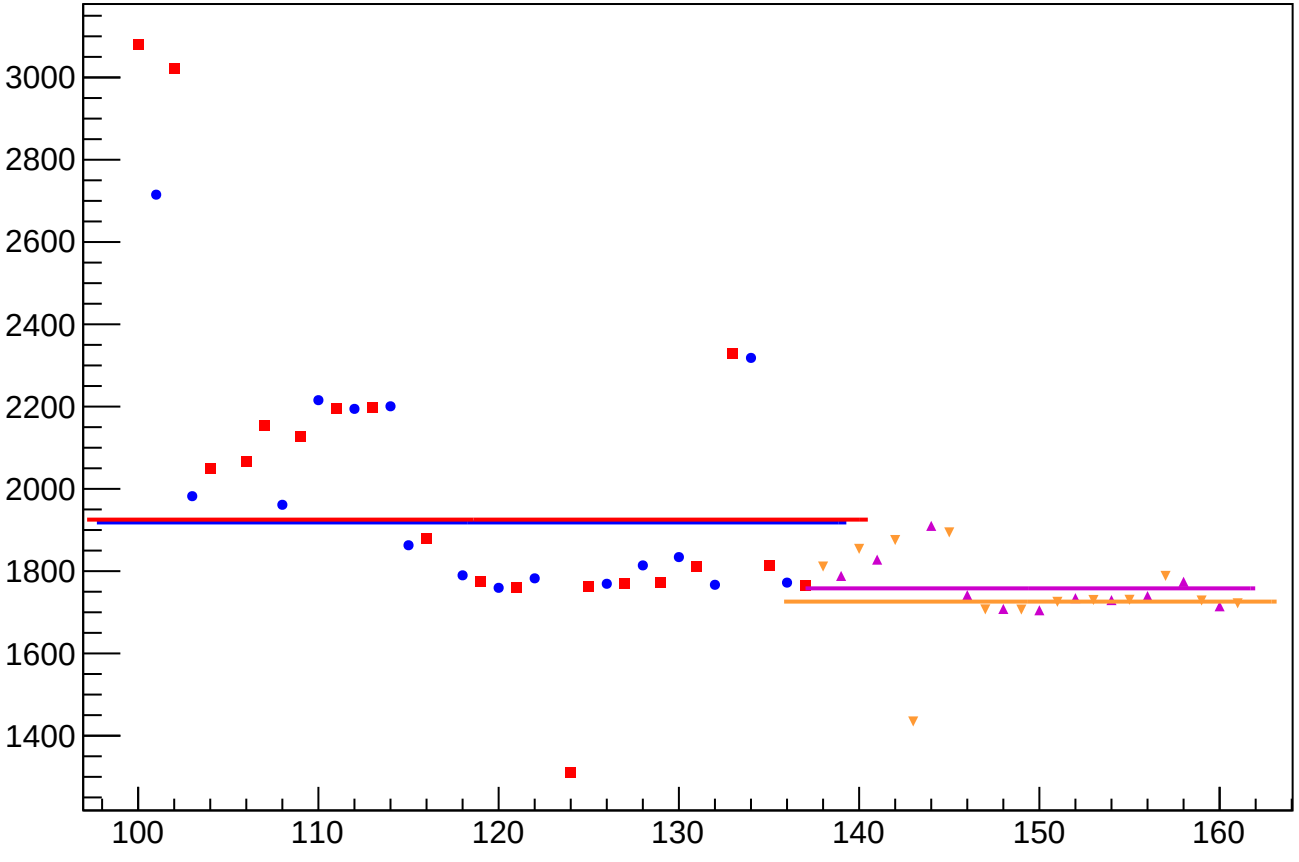
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2873.699+/-446.004 χ^2/NDF:28.6/26

Out: 1349.624+/-431.014 χ^2/NDF:27.9/31

All: 2085.620+/-309.937 χ^2/NDF: 62.5/58

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1725.987+/-0.380 χ^2/NDF:99748.9/12

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1758.168+/-0.402 χ^2/NDF:20029.4/10

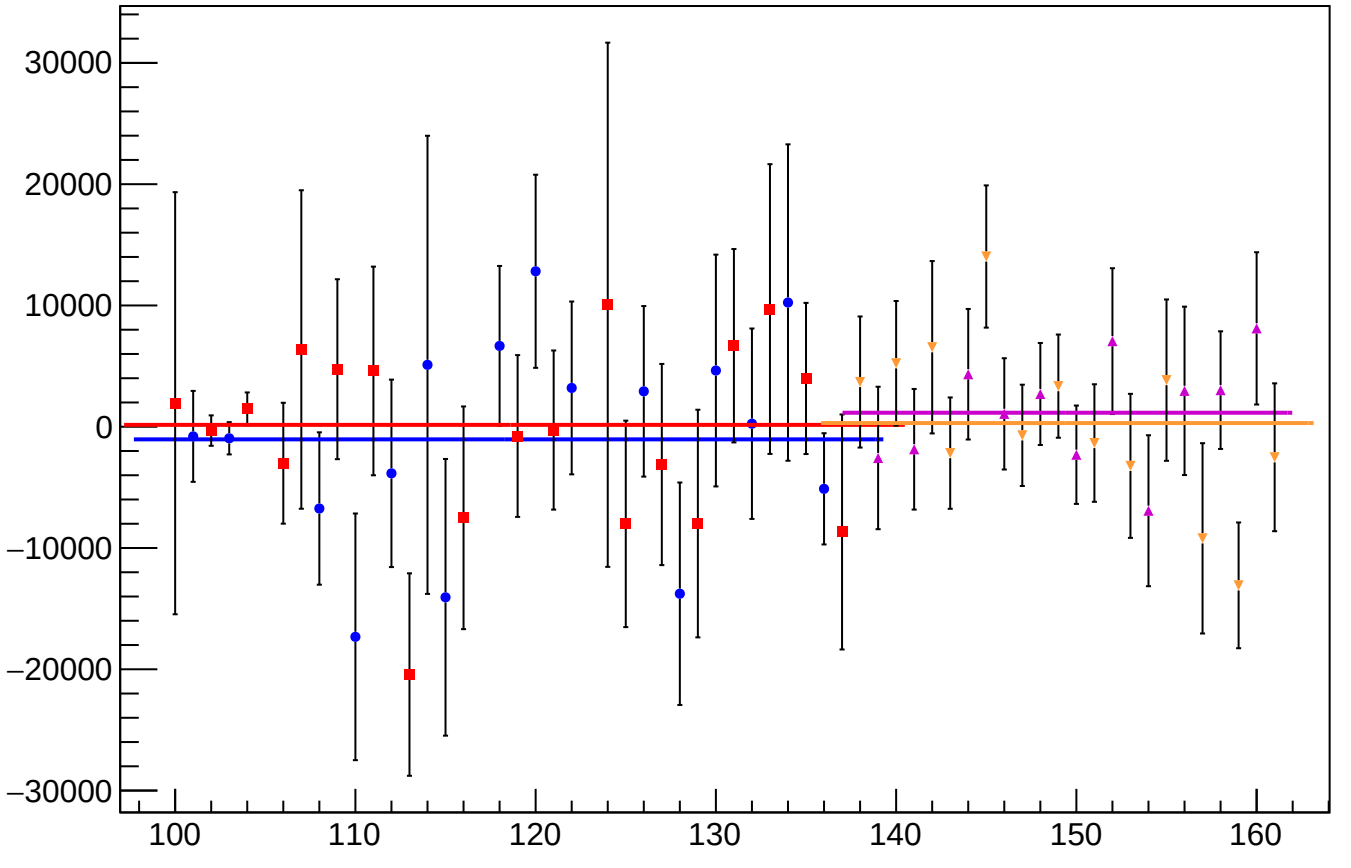
Left: 1741.156+/-0.276 χ^2/NDF: 123160.6/23

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1819.930+/-0.315 χ^2/NDF:296748.8/26

Out: 1797.087+/-0.305 χ^2/NDF:537011.6/31

All: 1808.115+/-0.219 χ^2/NDF: 836474.0/58



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 302.499+/-1482.606 χ^2/NDF:17.5/12

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 1154.178+/-1560.158 χ^2/NDF:6.1/10

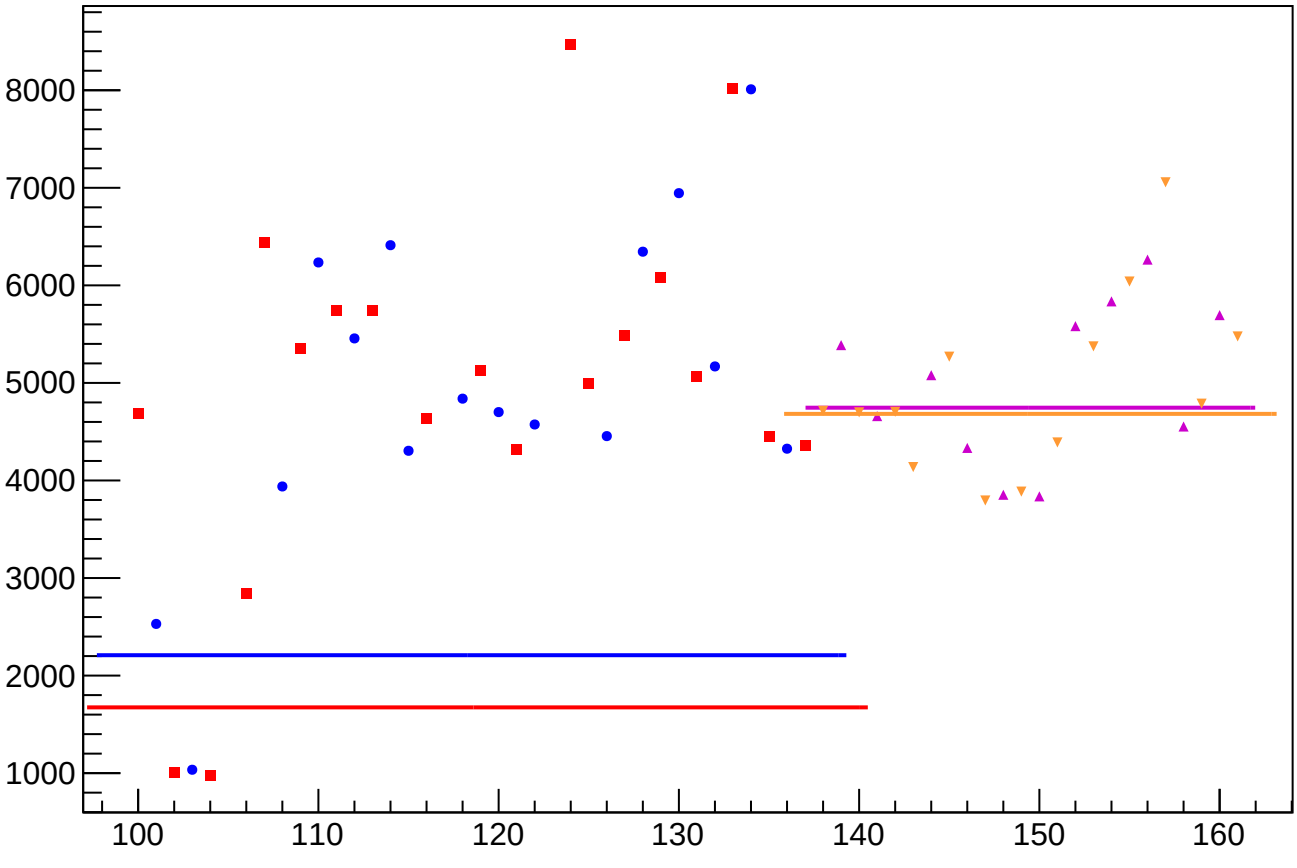
Left: 706.645+/-1074.732 χ^2/NDF: 23.8/23

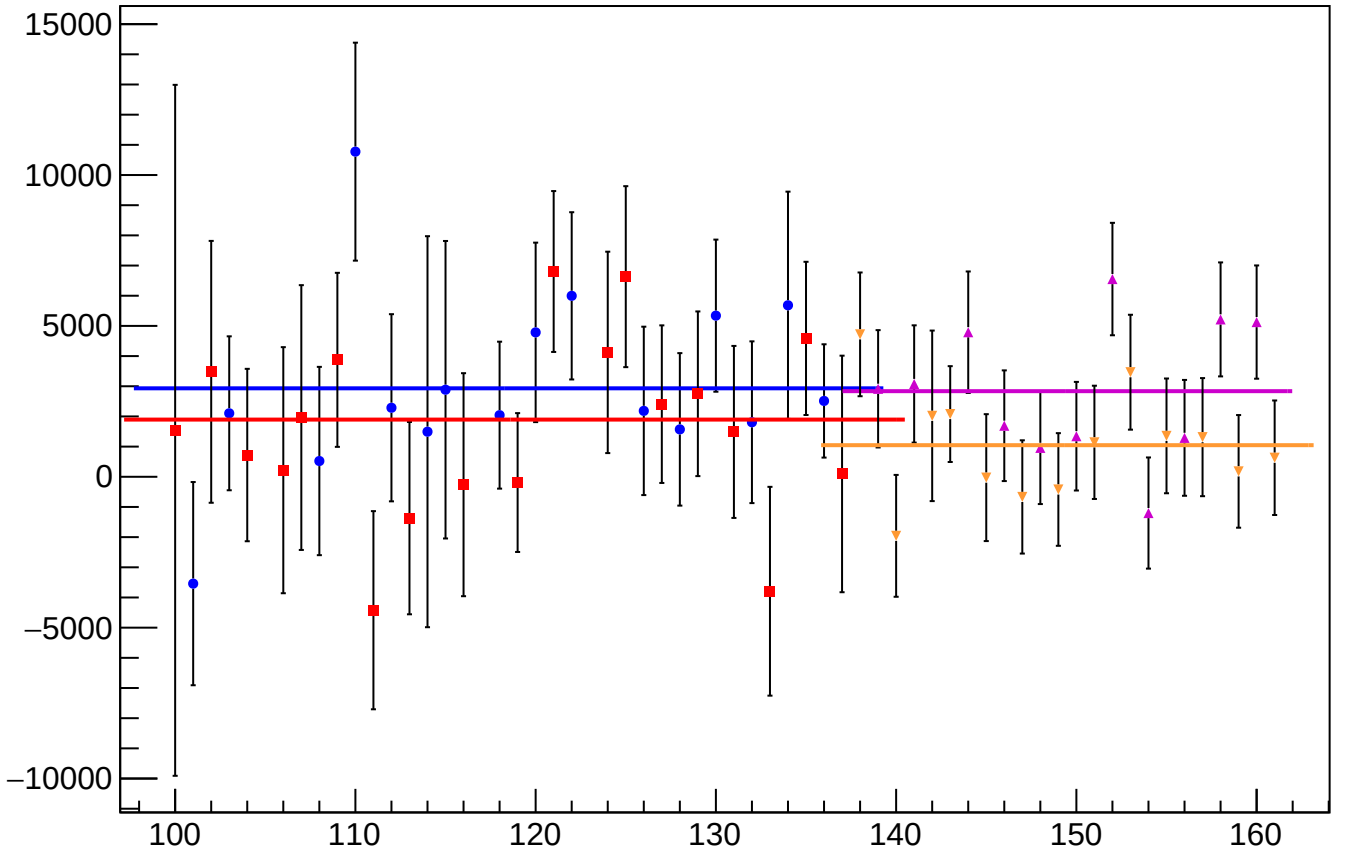
Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -337.244+/-883.761 χ^2/NDF:21.3/26

Out: 189.514+/-727.982 χ^2/NDF:31.3/31

All: -23.424+/-561.896 χ^2/NDF: 52.7/58


asym_atl1r2_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 2208.912+/-0.758 χ²/NDF: 5499011.4/15
Left Out: 4682.654+/-1.048 χ²/NDF:544253.2/12
Right Out: 1674.162+/-0.591 χ²/NDF: 6853212.9/18
Left In: 4746.013+/-1.103 χ²/NDF:483169.0/10
Left: 4712.720+/-0.760 χ²/NDF: 1029155.5/23
Right: 1876.192+/-0.466 χ²/NDF: 12661639.3/34
In: 3022.998+/-0.625 χ²/NDF:9574041.2/26
Out: 2399.497+/-0.515 χ²/NDF:13647223.3/31
All: 2651.542+/-0.397 χ²/NDF: 23814331.7/5



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1047.300+/-537.268 χ^2/NDF:9.6/12

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2837.315+/-568.969 χ^2/NDF:15.6/10

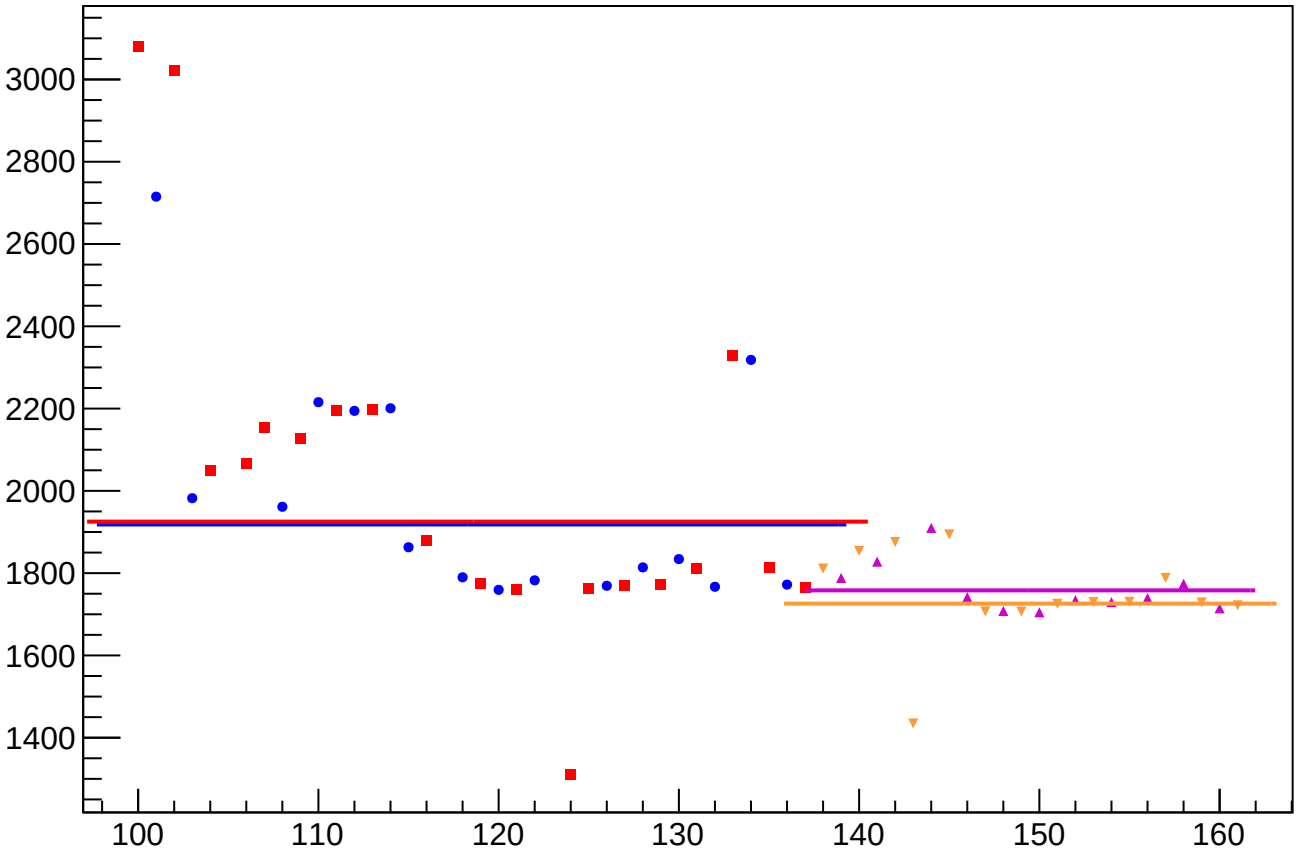
Left: 1891.054+/-390.633 χ^2/NDF: 30.4/23

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2873.701+/-446.004 χ^2/NDF:28.6/26

Out: 1349.620+/-431.014 χ^2/NDF:27.9/31

All: 2085.619+/-309.937 χ^2/NDF: 62.5/58



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1725.988+/-0.380 χ^2/NDF:99748.0/12

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1758.169+/-0.402 χ^2/NDF:20029.4/10

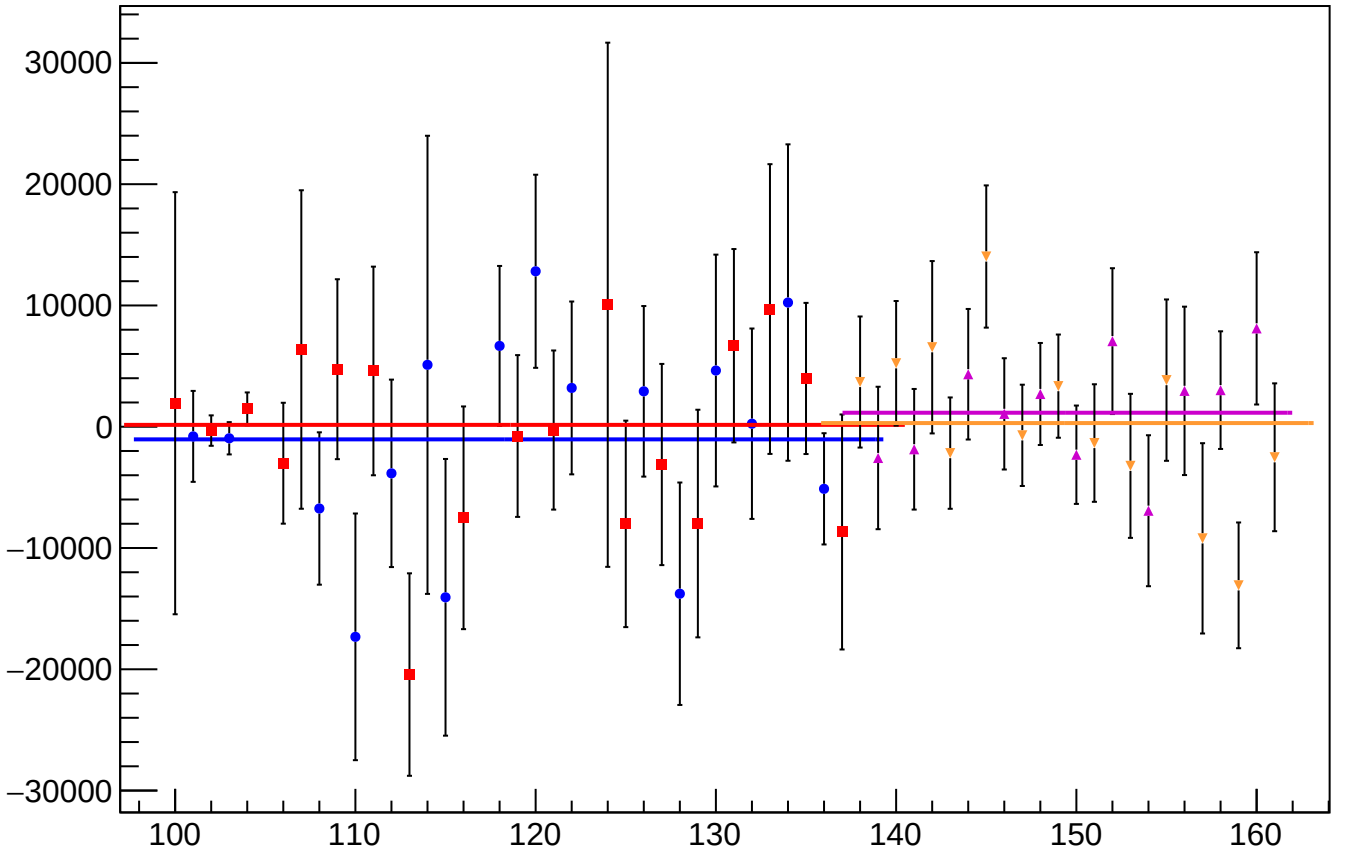
Left: 1741.157+/-0.276 χ^2/NDF: 123159.6/23

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1819.930+/-0.315 χ^2/NDF:296747.7/26

Out: 1797.088+/-0.305 χ^2/NDF:537008.1/31

All: 1808.115+/-0.219 χ^2/NDF: 836469.3/58



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 302.496+/-1482.608 χ^2/NDF:17.5/12

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1154.176+/-1560.160 χ^2/NDF:6.1/10

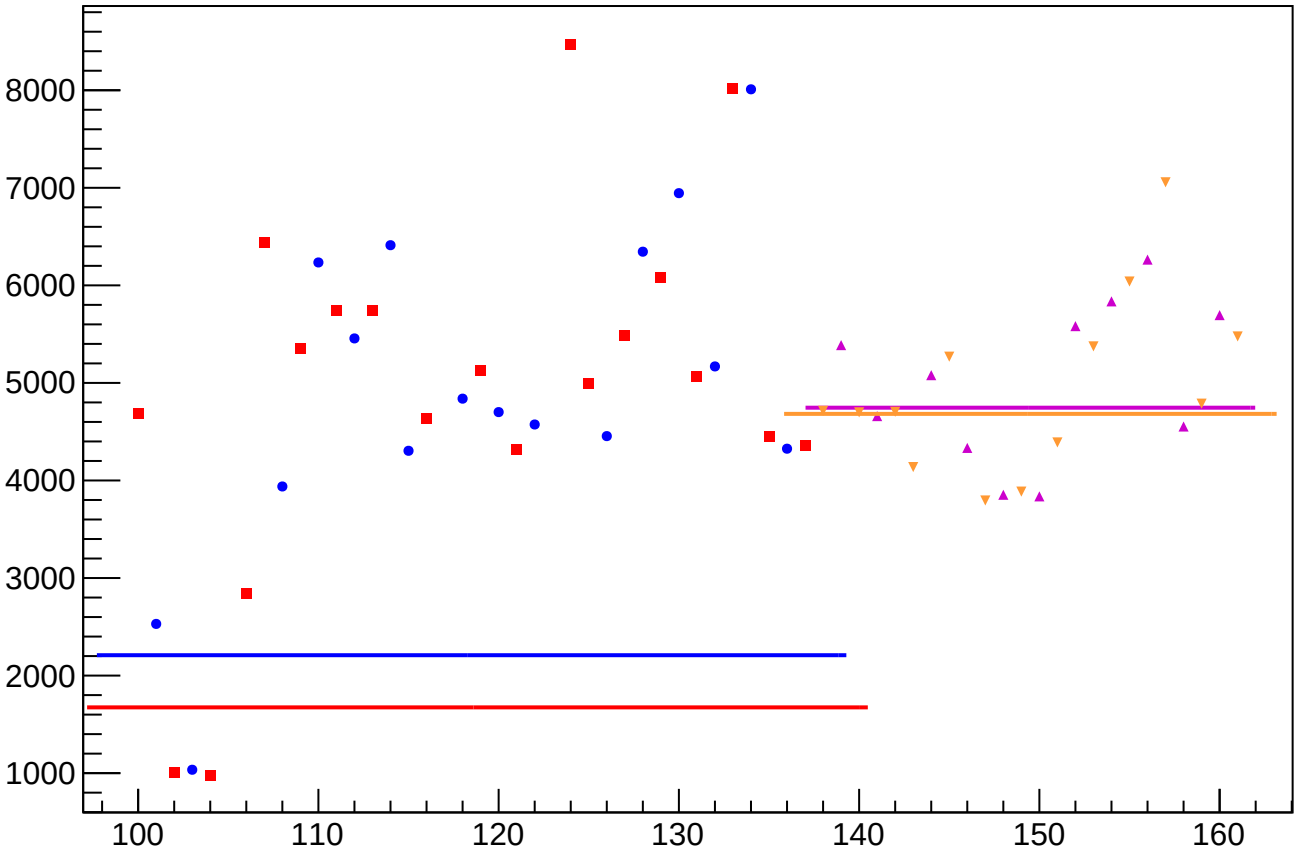
Left: 706.643+/-1074.733 χ^2/NDF: 23.8/23

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -337.245+/-883.761 χ^2/NDF:21.3/26

Out: 189.509+/-727.982 χ^2/NDF:31.3/31

All: -23.427+/-561.896 χ^2/NDF: 52.7/58



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4682.661+/-1.048 χ^2/NDF:544251.3/12

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4746.020+/-1.103 χ^2/NDF:483166.4/10

Left: 4712.726+/-0.760 χ^2/NDF: 1029150.9/23

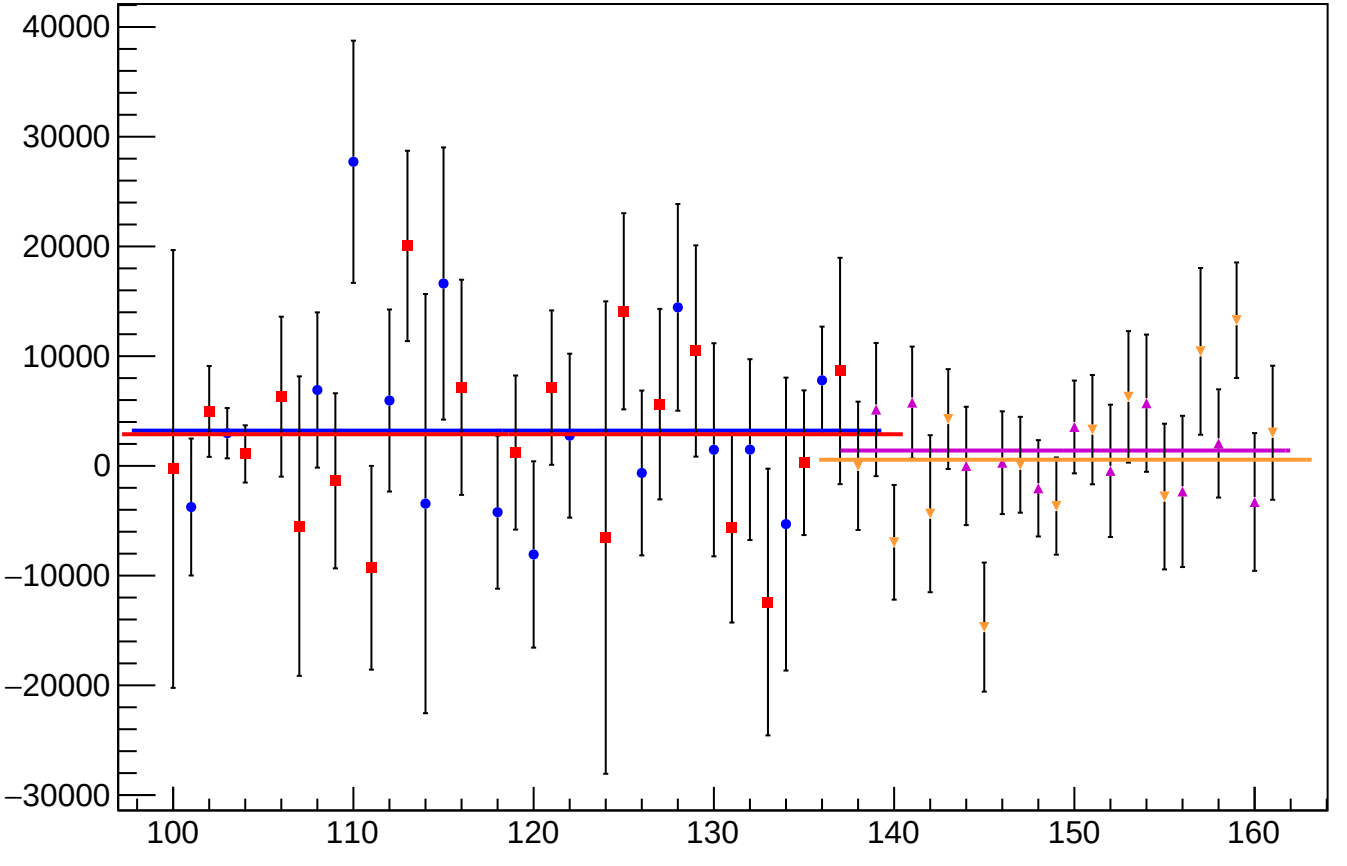
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3022.997+/-0.625 χ^2/NDF:9574047.8/26

Out: 2399.497+/-0.515 χ^2/NDF:13647231.4/31

All: 2651.542+/-0.397 χ^2/NDF: 23814346.7/5

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 562.785+/-1512.716 χ^2/NDF:20.0/12

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1401.311+/-1593.154 χ^2/NDF:3.5/10

Left: 960.346+/-1096.987 χ^2/NDF: 23.7/23

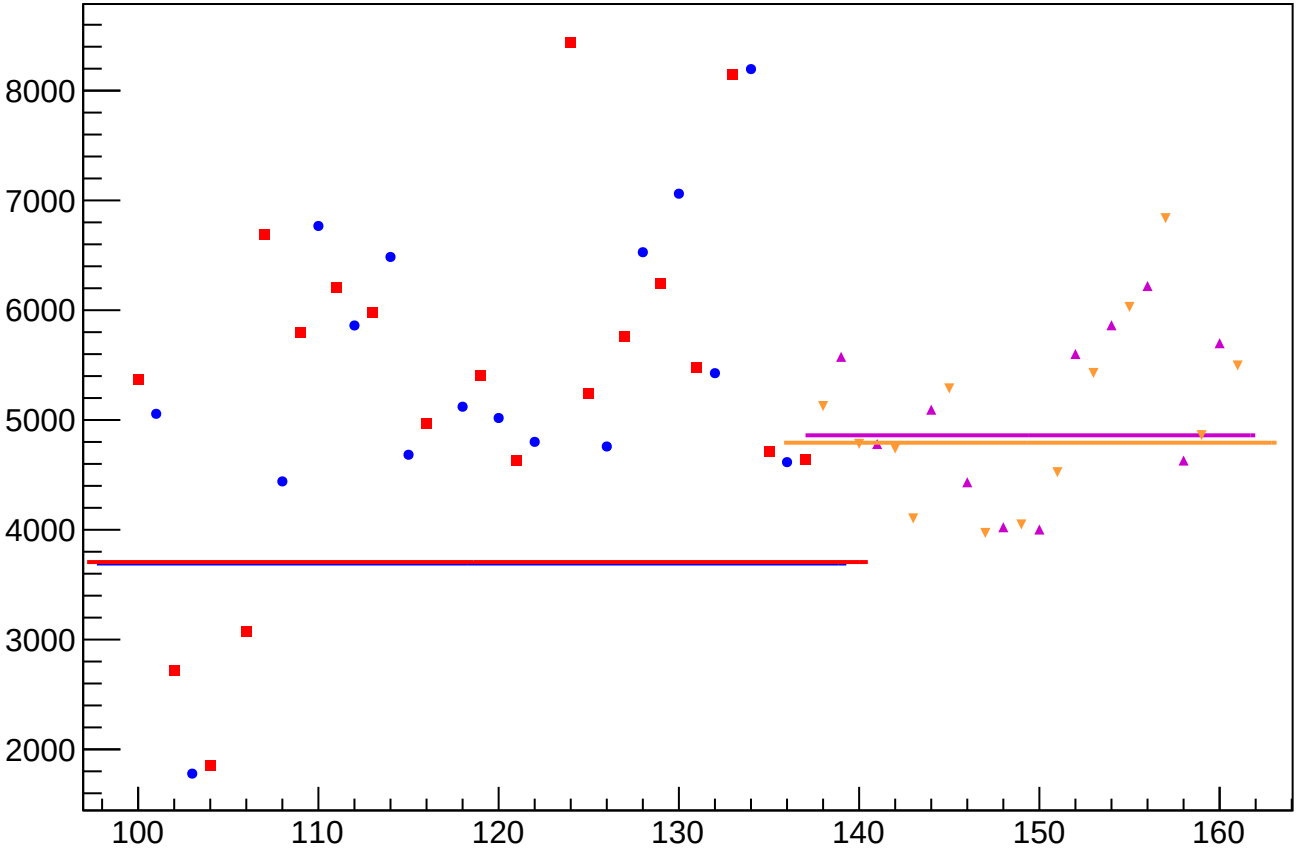
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2339.709+/-1106.985 χ^2/NDF:18.0/26

Out: 1693.267+/-1083.315 χ^2/NDF:34.6/31

All: 2009.503+/-774.252 χ^2/NDF: 52.8/58

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4793.074+/-1.070 χ^2/NDF:463320.6/12

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4860.445+/-1.127 χ^2/NDF:403217.0/10

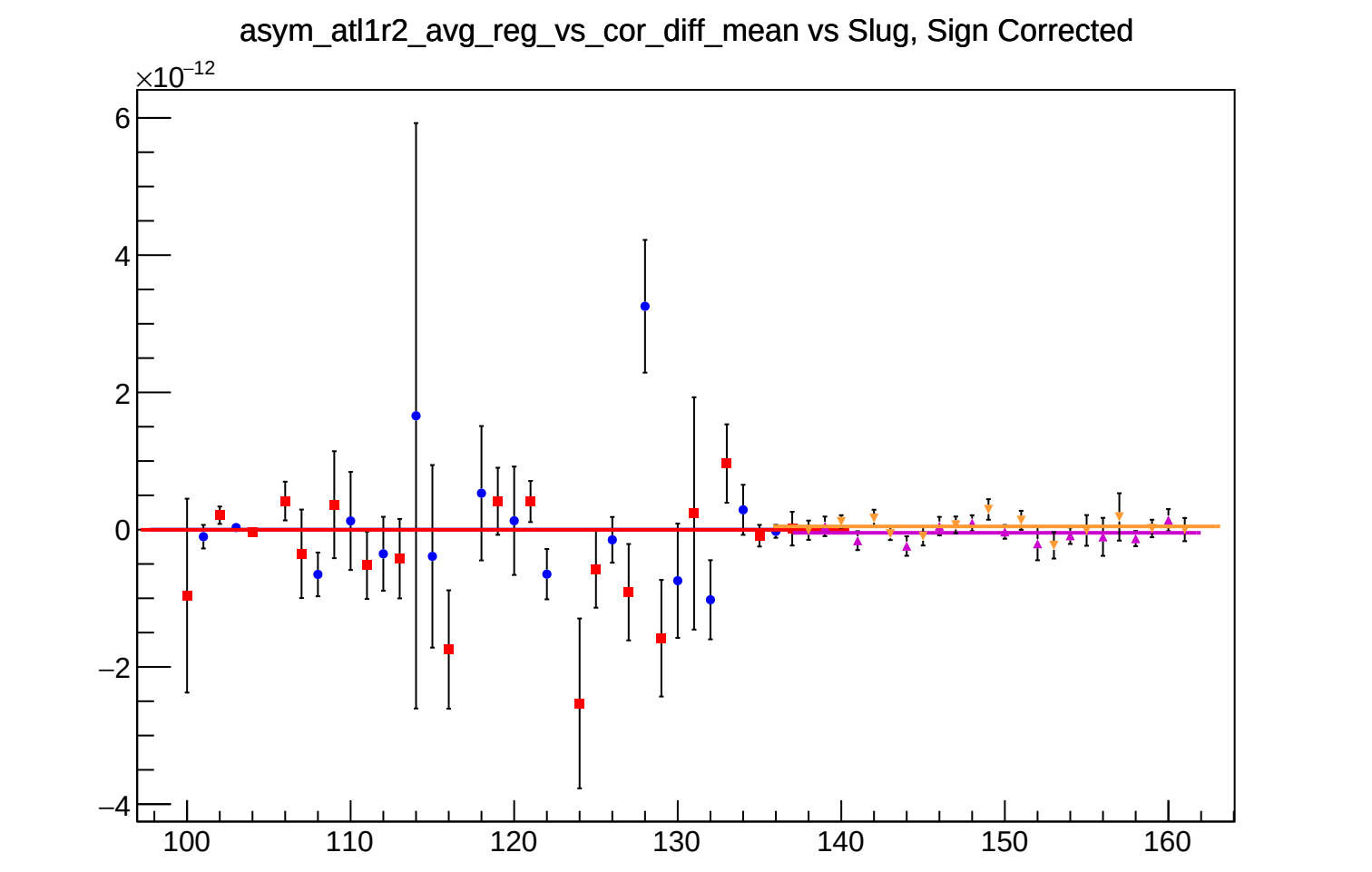
Left: 4825.016+/-0.776 χ^2/NDF: 868418.4/23

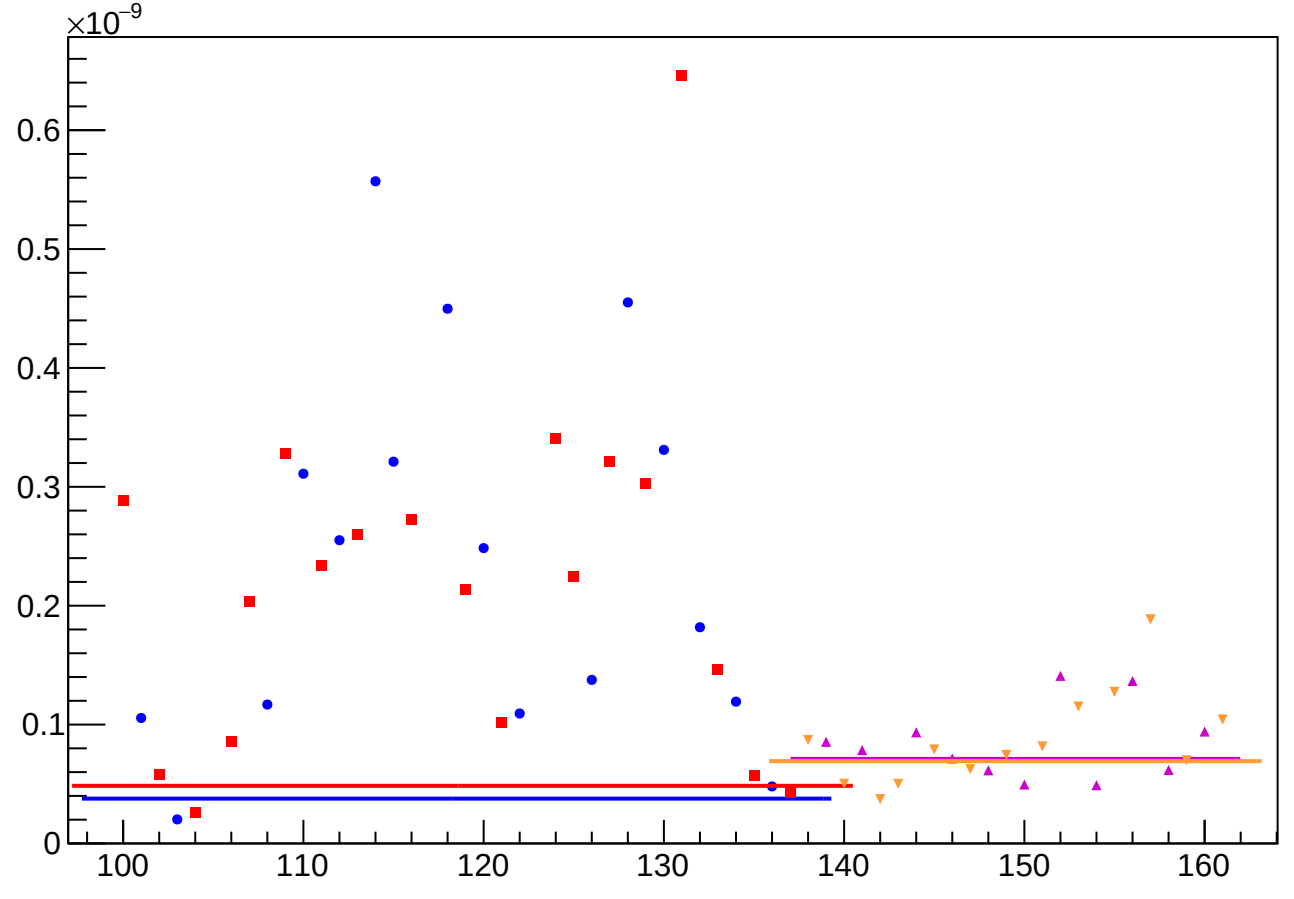
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4256.547+/-0.783 χ^2/NDF:3844501.4/26

Out: 4258.100+/-0.762 χ^2/NDF:3656094.4/31

All: 4257.344+/-0.546 χ^2/NDF: 7500597.8/58


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/12
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/10
Left: 0.000+/-0.000 χ²/NDF: 20.0/23
Right: -0.000+/-0.000 χ²/NDF: 53.6/34
In: -0.000+/-0.000 χ²/NDF:33.6/26
Out: 0.000+/-0.000 χ²/NDF:38.6/31
All: 0.000+/-0.000 χ²/NDF: 73.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:946280.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:585870.2/10

Left: 0.000+/-0.000 χ^2/NDF: 1534483.0/23

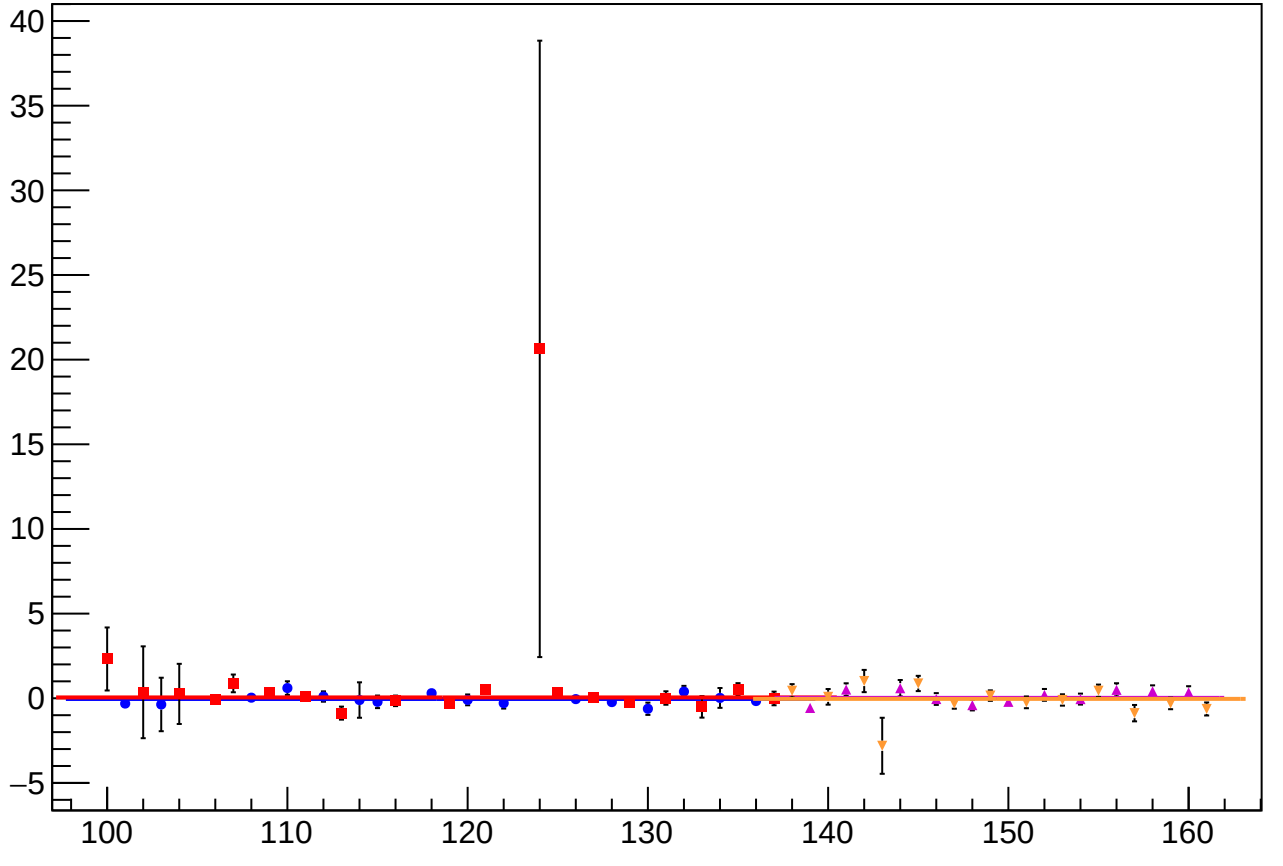
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4475798.4/26

Out: 0.000+/-0.000 χ^2/NDF:4095010.2/31

All: 0.000+/-0.000 χ^2/NDF: 8658463.5/58

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: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.023+/-0.103 χ^2/NDF:14.3/10

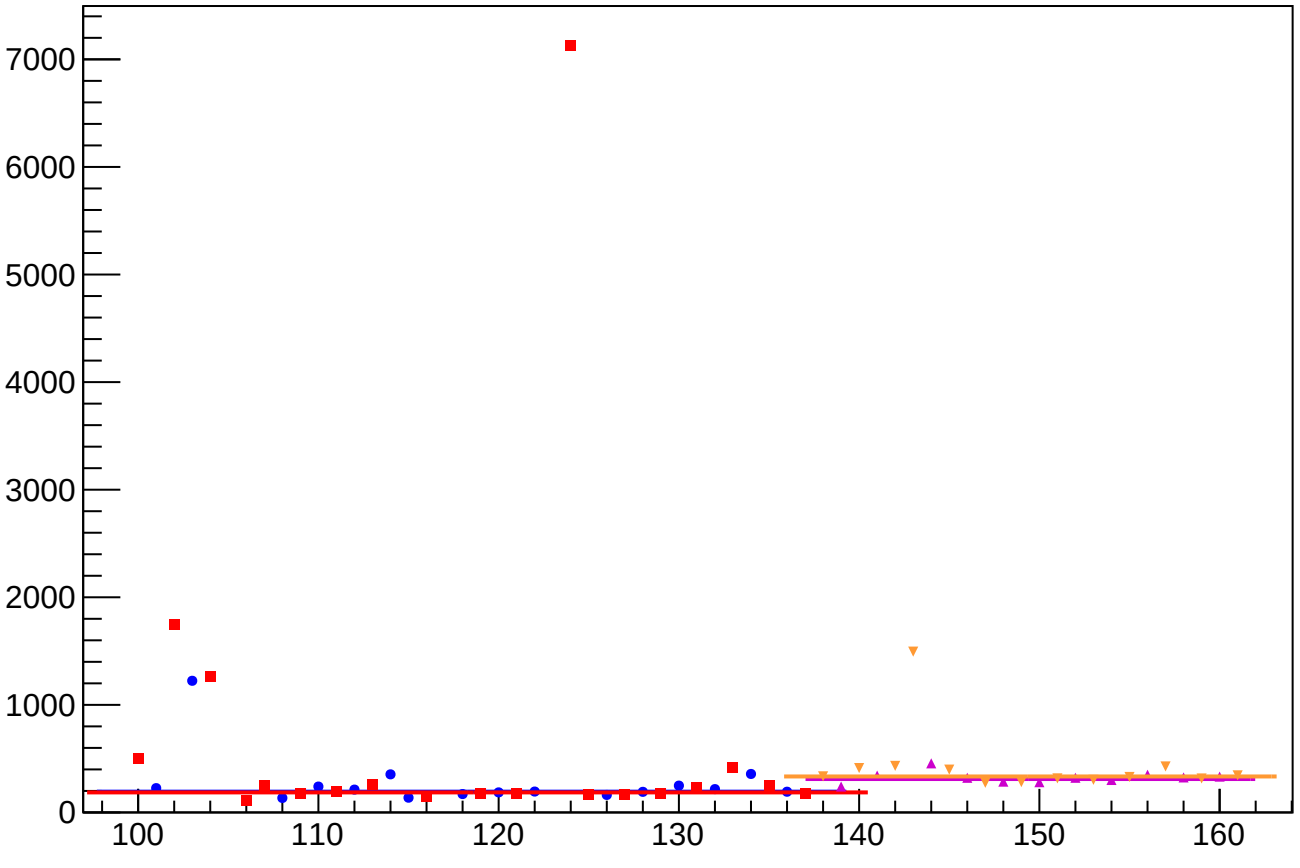
Left: -0.005+/-0.075 χ^2/NDF: 34.8/23

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.020+/-0.064 χ^2/NDF:43.8/31

All: 0.001+/-0.044 χ^2/NDF: 70.2/58



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.545+/-0.077 χ^2/NDF:1362074.9/12

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

Left: 321.946+/-0.053 χ^2/NDF: 1808193.3/23

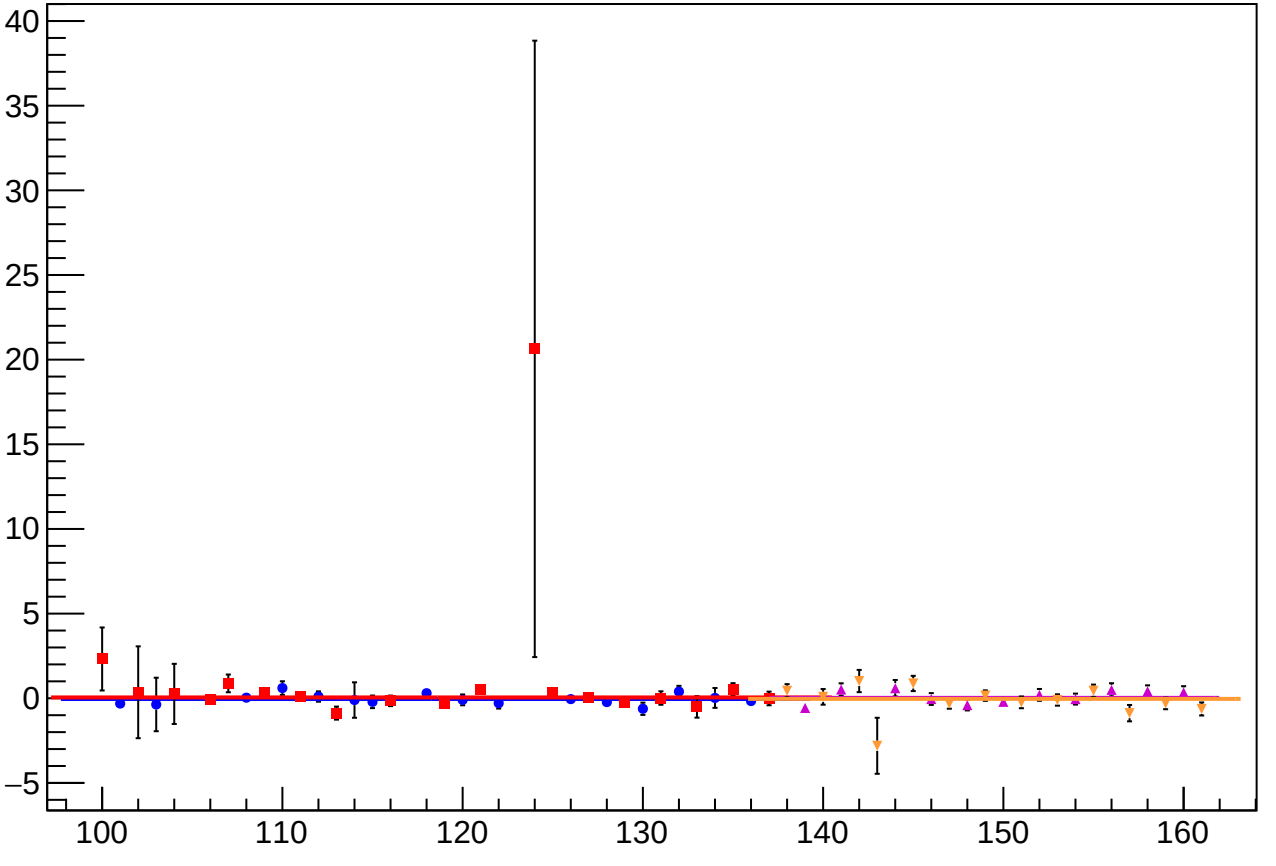
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.046+/-0.044 χ^2/NDF:3467561.0/26

Out: 237.253+/-0.045 χ^2/NDF:6269575.1/31

All: 236.632+/-0.031 χ^2/NDF: 9737503.9/58

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: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.023+/-0.103 χ^2/NDF:14.3/10

Left: -0.005+/-0.075 χ^2/NDF: 34.8/23

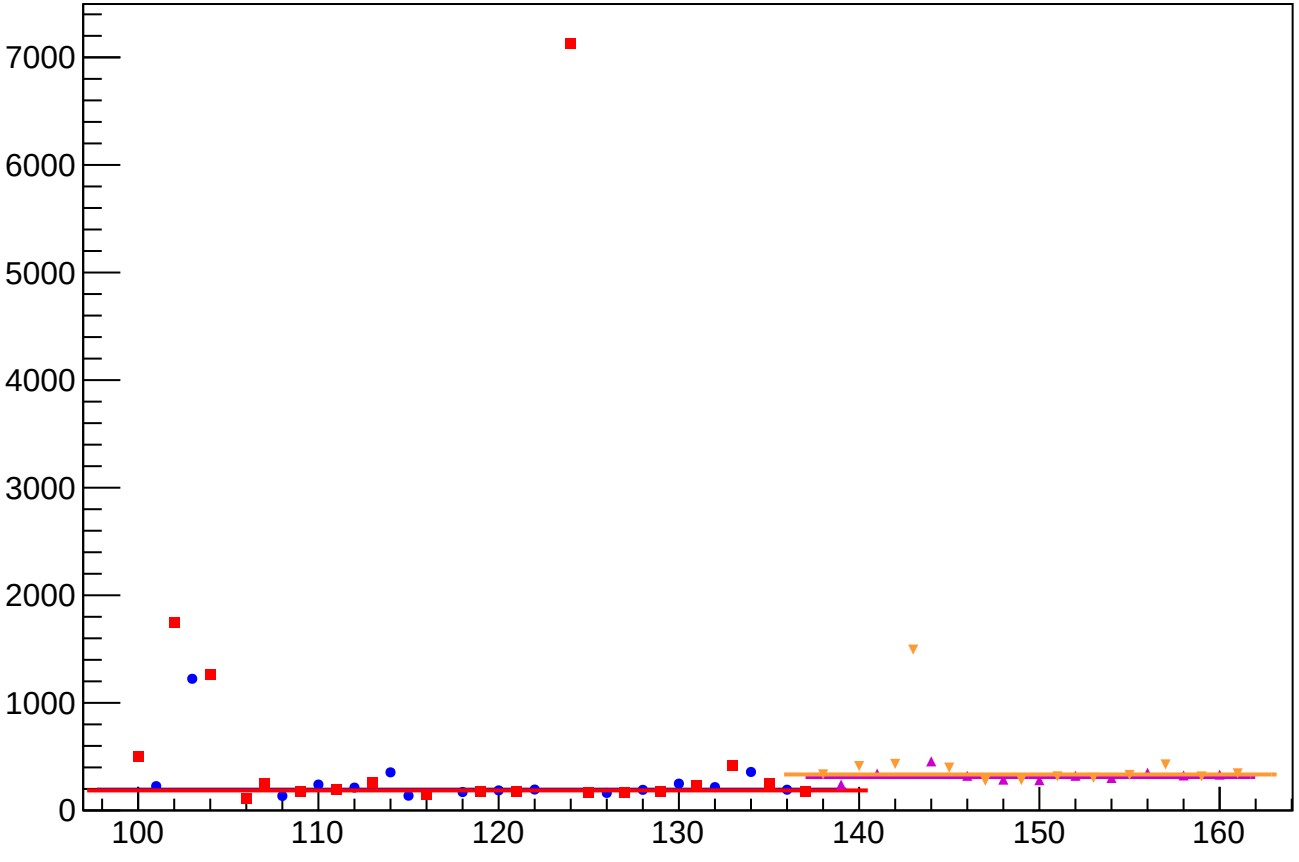
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.020+/-0.064 χ^2/NDF:43.8/31

All: 0.001+/-0.044 χ^2/NDF: 70.2/58

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: 334.545+/-0.077 χ^2/NDF:1362074.9/12

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

Left: 321.946+/-0.053 χ^2/NDF: 1808193.3/23

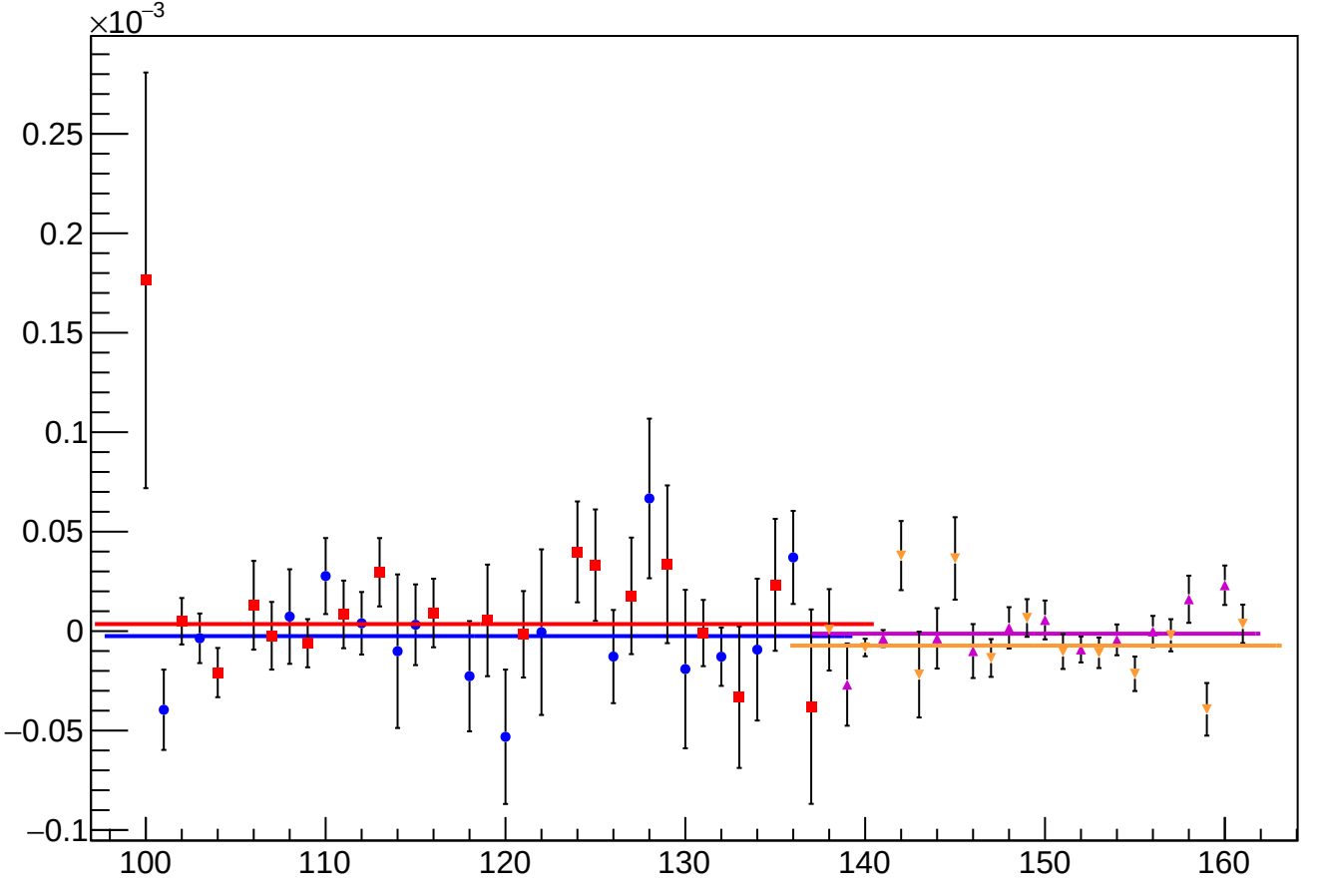
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.046+/-0.044 χ^2/NDF:3467561.0/26

Out: 237.253+/-0.045 χ^2/NDF:6269575.1/31

All: 236.632+/-0.031 χ^2/NDF: 9737503.9/58

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/10

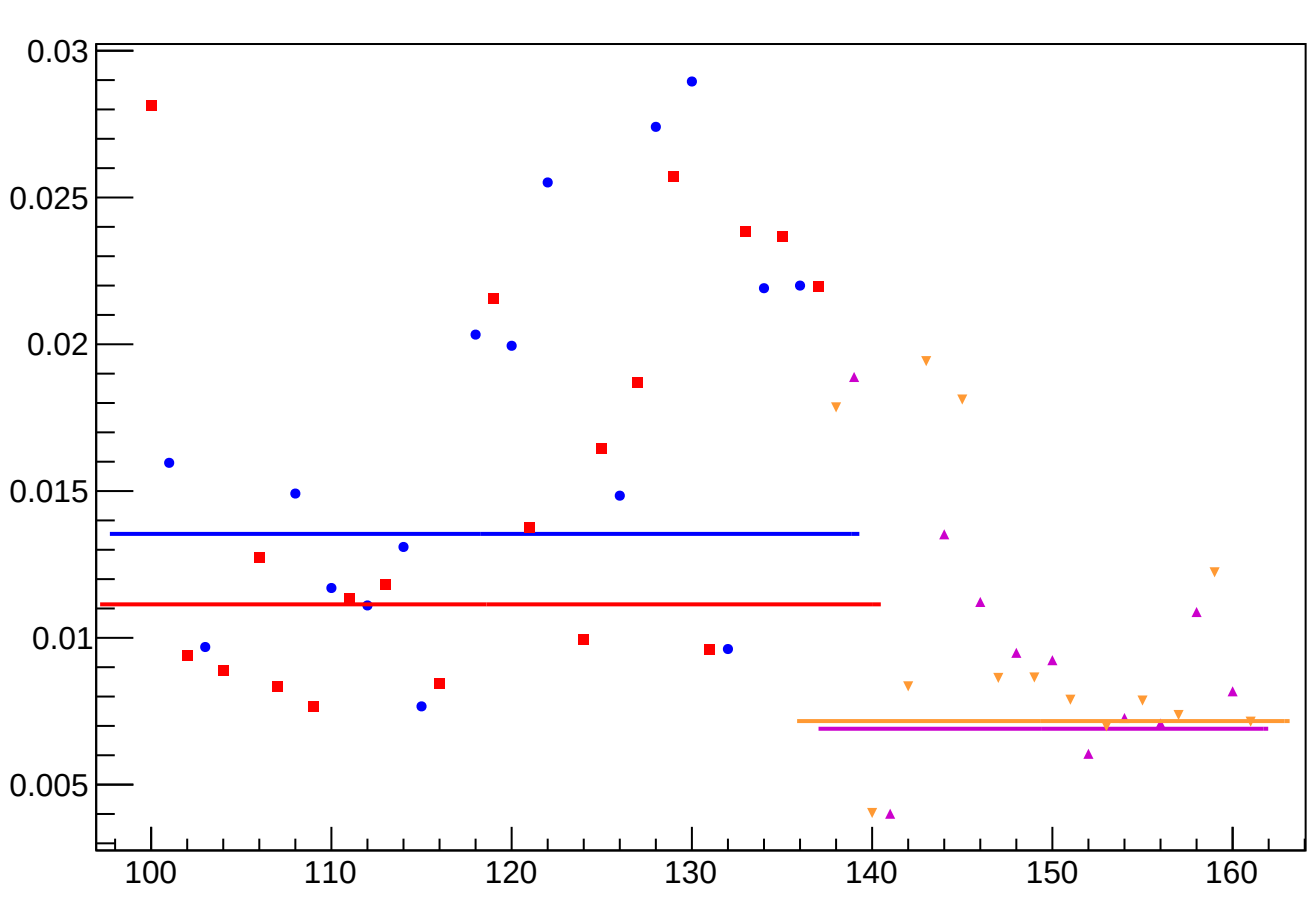
Left: -0.000+/-0.000 χ^2/NDF: 40.6/23

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:28.6/26

Out: -0.000+/-0.000 χ^2/NDF:45.8/31

All: -0.000+/-0.000 χ^2/NDF: 75.4/58



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:3192968.7/12

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2712165.3/10

Left: 0.007+/-0.000 χ^2/NDF: 5916038.2/23

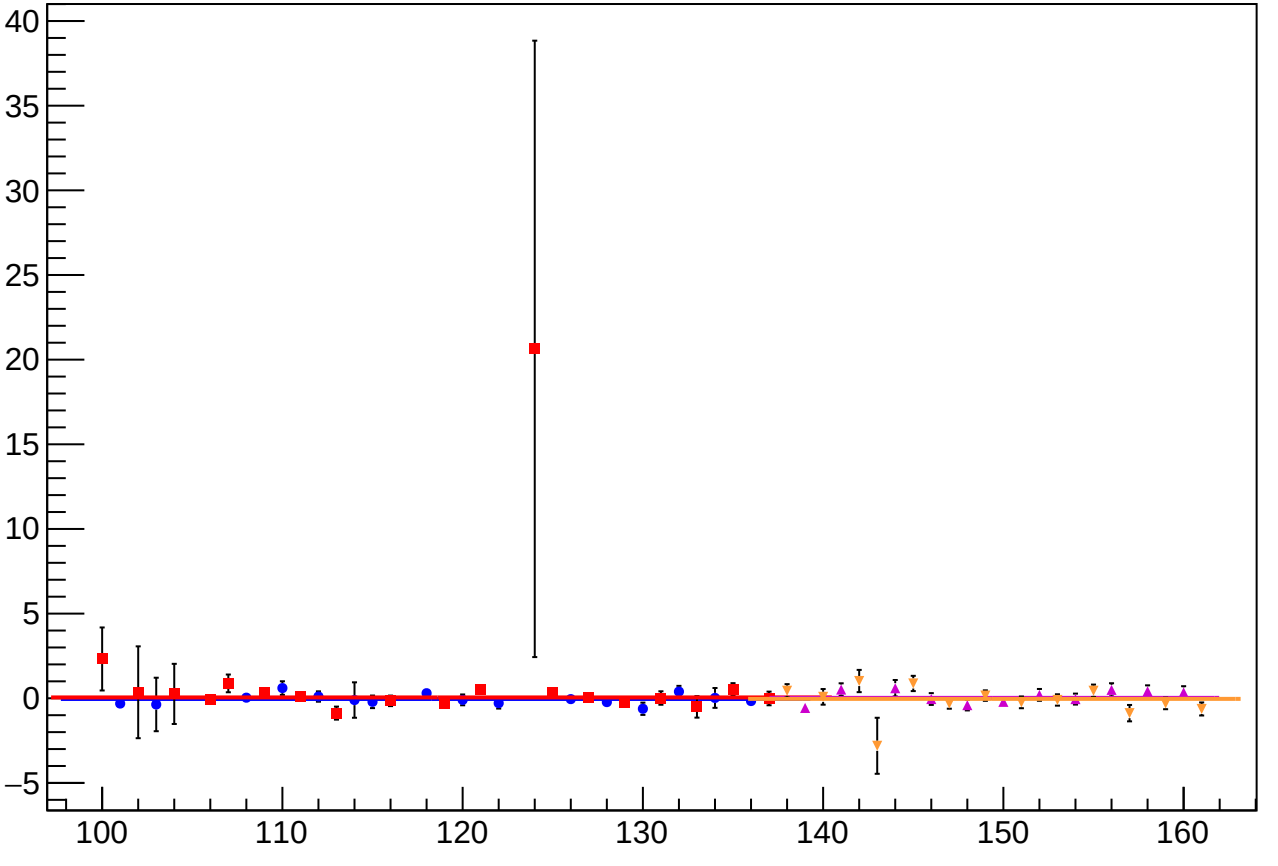
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:7040337.8/26

Out: 0.008+/-0.000 χ^2/NDF:6287242.2/31

All: 0.008+/-0.000 χ^2/NDF: 13328441.5/58

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: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.023+/-0.103 χ^2/NDF:14.3/10

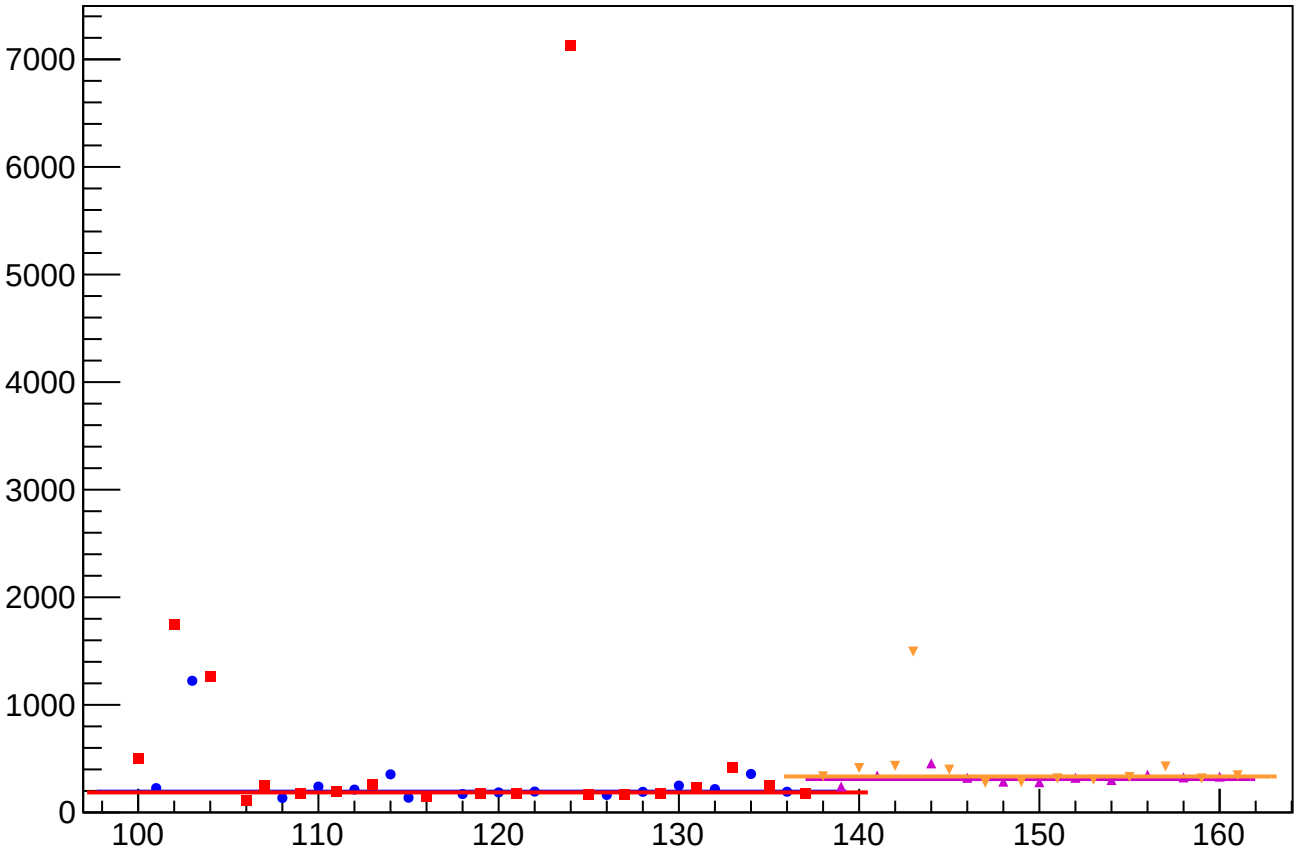
Left: -0.005+/-0.075 χ^2/NDF: 34.8/23

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.020+/-0.064 χ^2/NDF:43.8/31

All: 0.001+/-0.044 χ^2/NDF: 70.2/58



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 334.549+/-0.077 χ^2/NDF:1362045.0/12

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

Left: 321.951+/-0.053 χ^2/NDF: 1808141.3/23

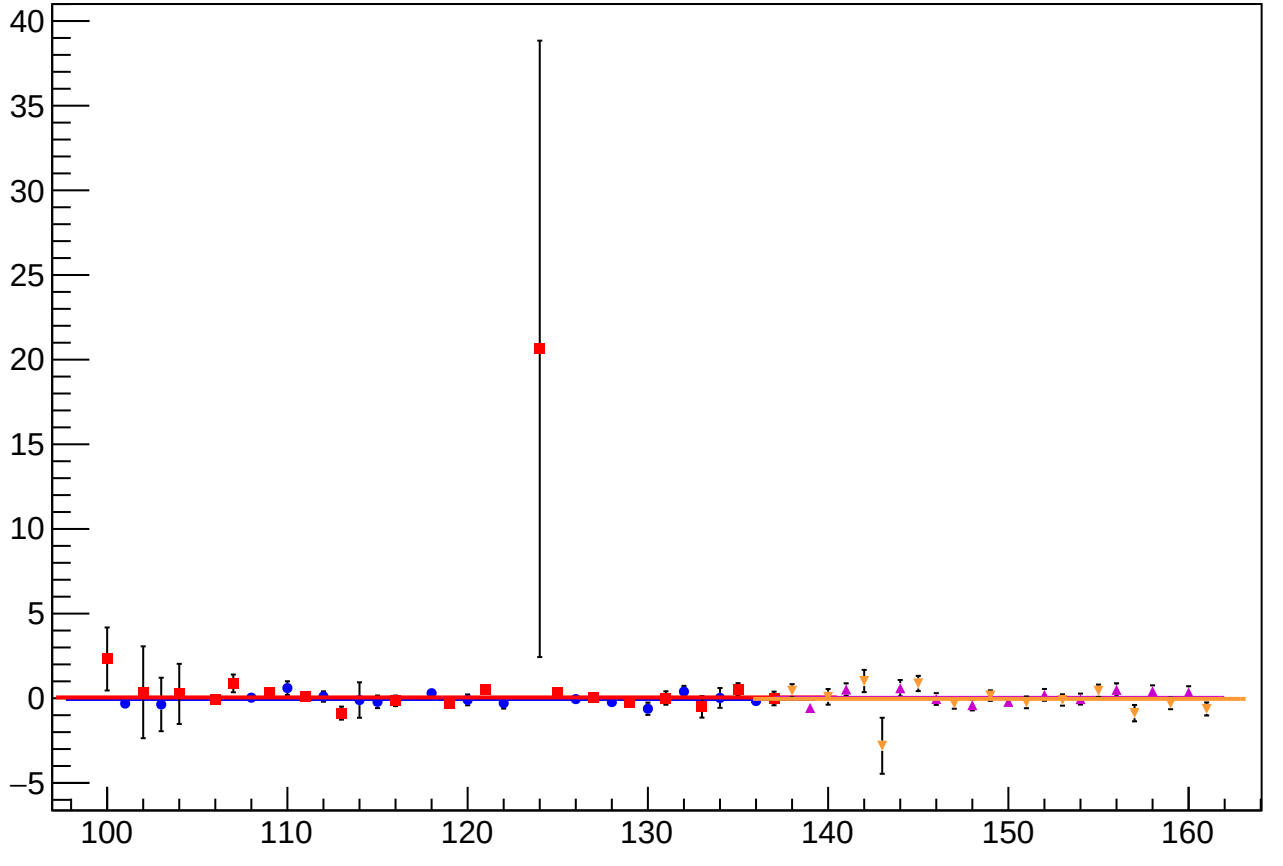
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.045+/-0.044 χ^2/NDF:3467681.3/26

Out: 237.251+/-0.045 χ^2/NDF:6269766.7/31

All: 236.631+/-0.031 χ^2/NDF: 9737815.2/58

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: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.023+/-0.103 χ^2/NDF:14.3/10

Left: -0.005+/-0.075 χ^2/NDF: 34.8/23

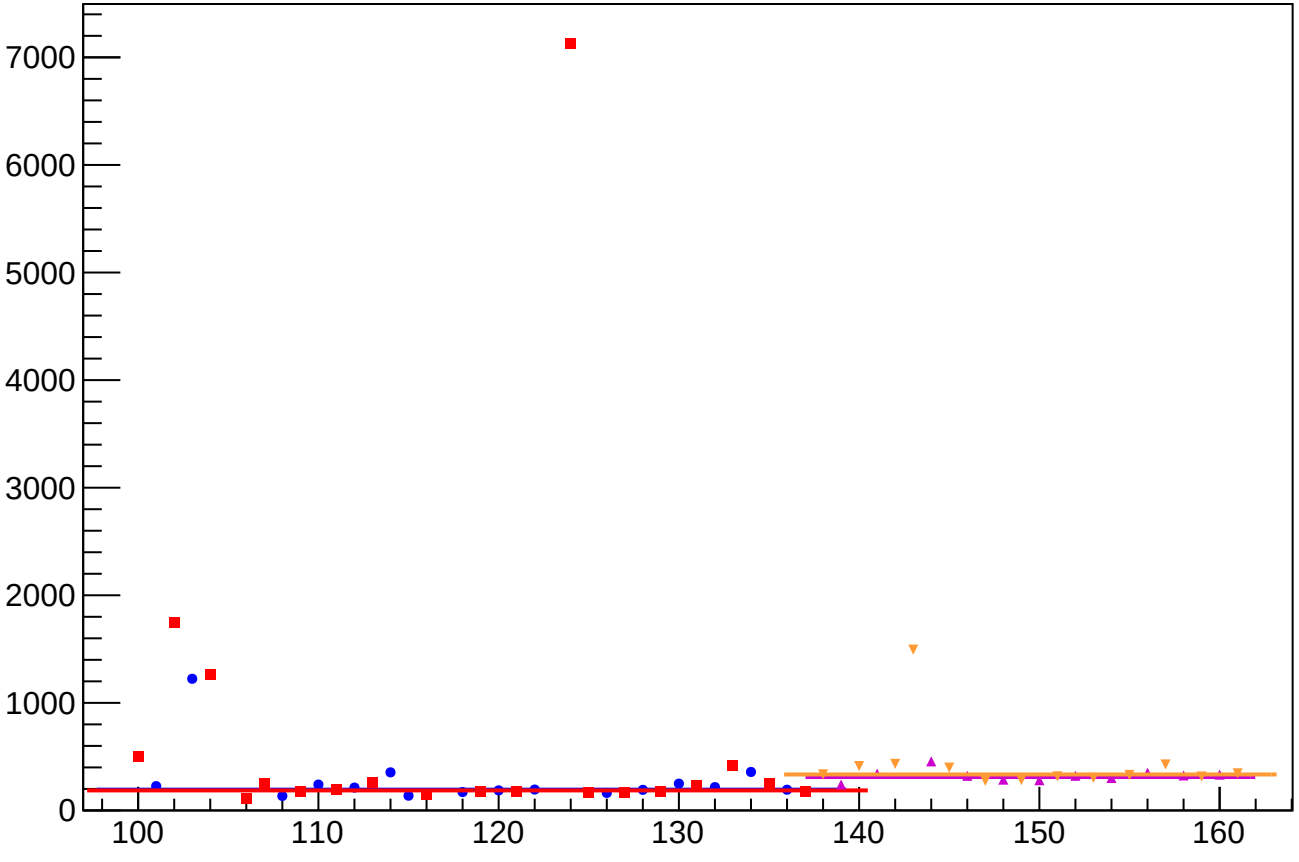
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.018+/-0.062 χ^2/NDF:26.2/26

Out: 0.020+/-0.064 χ^2/NDF:43.8/31

All: 0.001+/-0.044 χ^2/NDF: 70.2/58

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: 334.549+/-0.077 χ^2/NDF:1362045.0/12

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

Left: 321.951+/-0.053 χ^2/NDF: 1808141.3/23

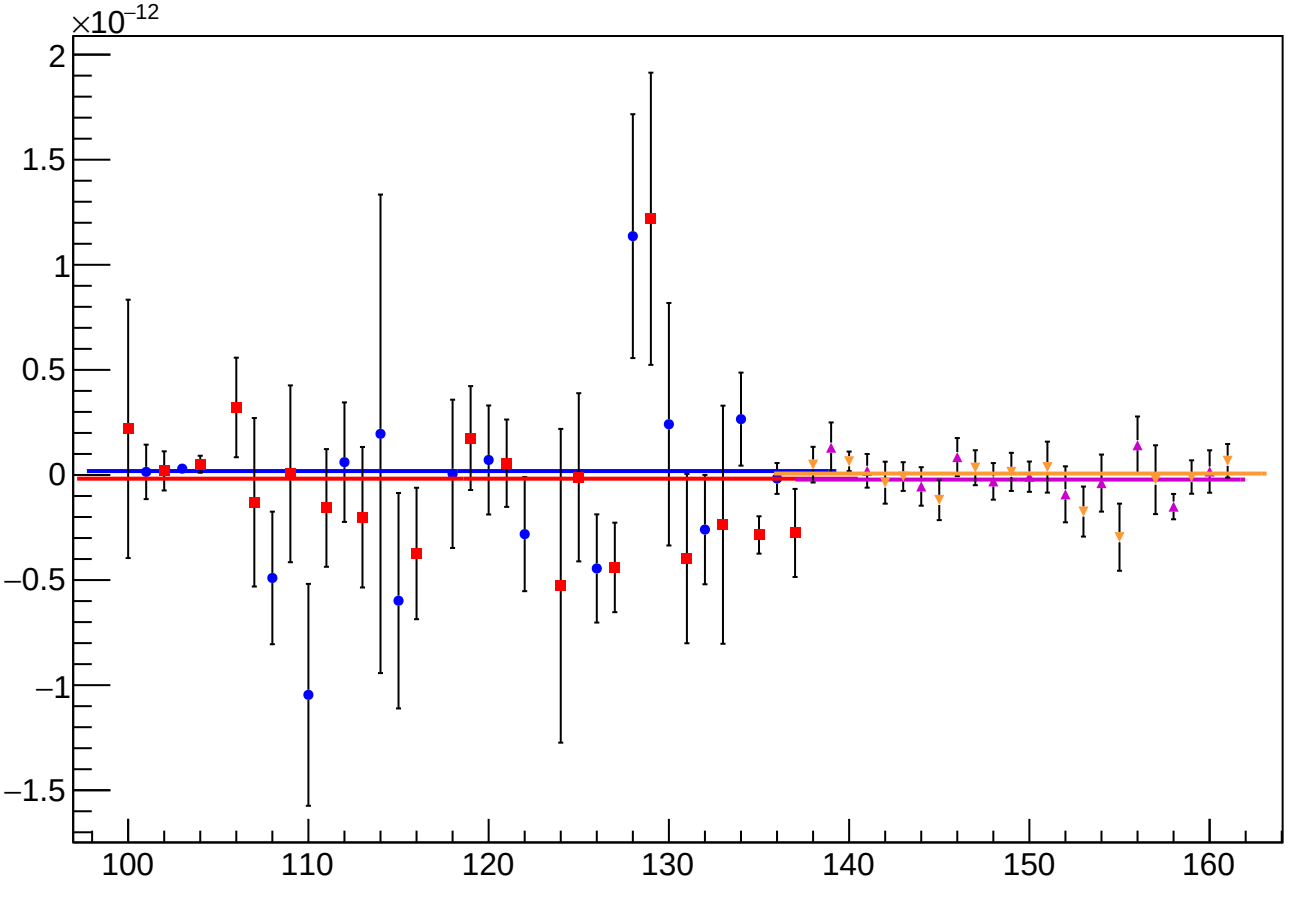
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.045+/-0.044 χ^2/NDF:3467681.3/26

Out: 237.251+/-0.045 χ^2/NDF:6269766.7/31

All: 236.631+/-0.031 χ^2/NDF: 9737815.2/58

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

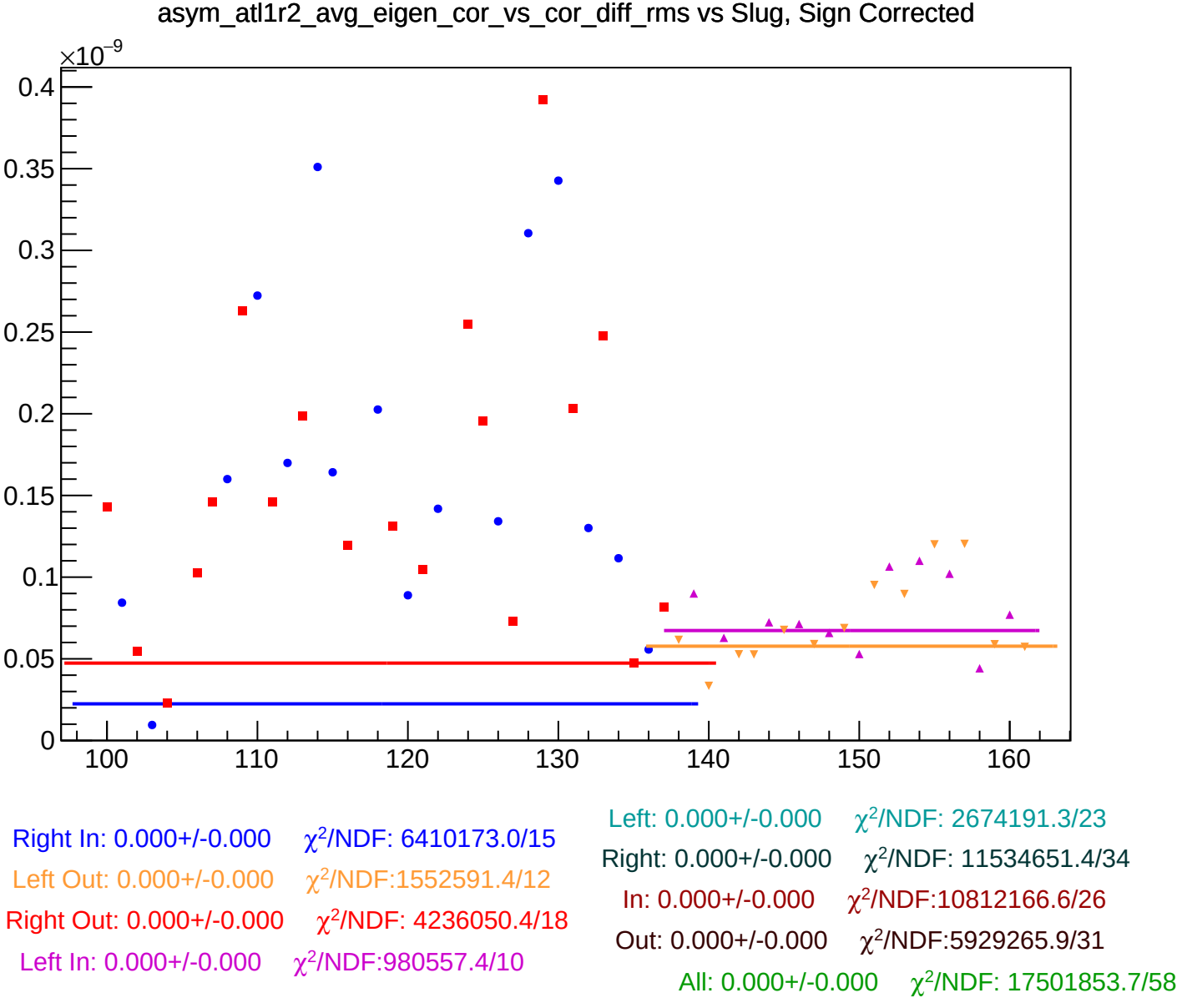
Left: -0.000+/-0.000 χ^2/NDF: 21.0/23

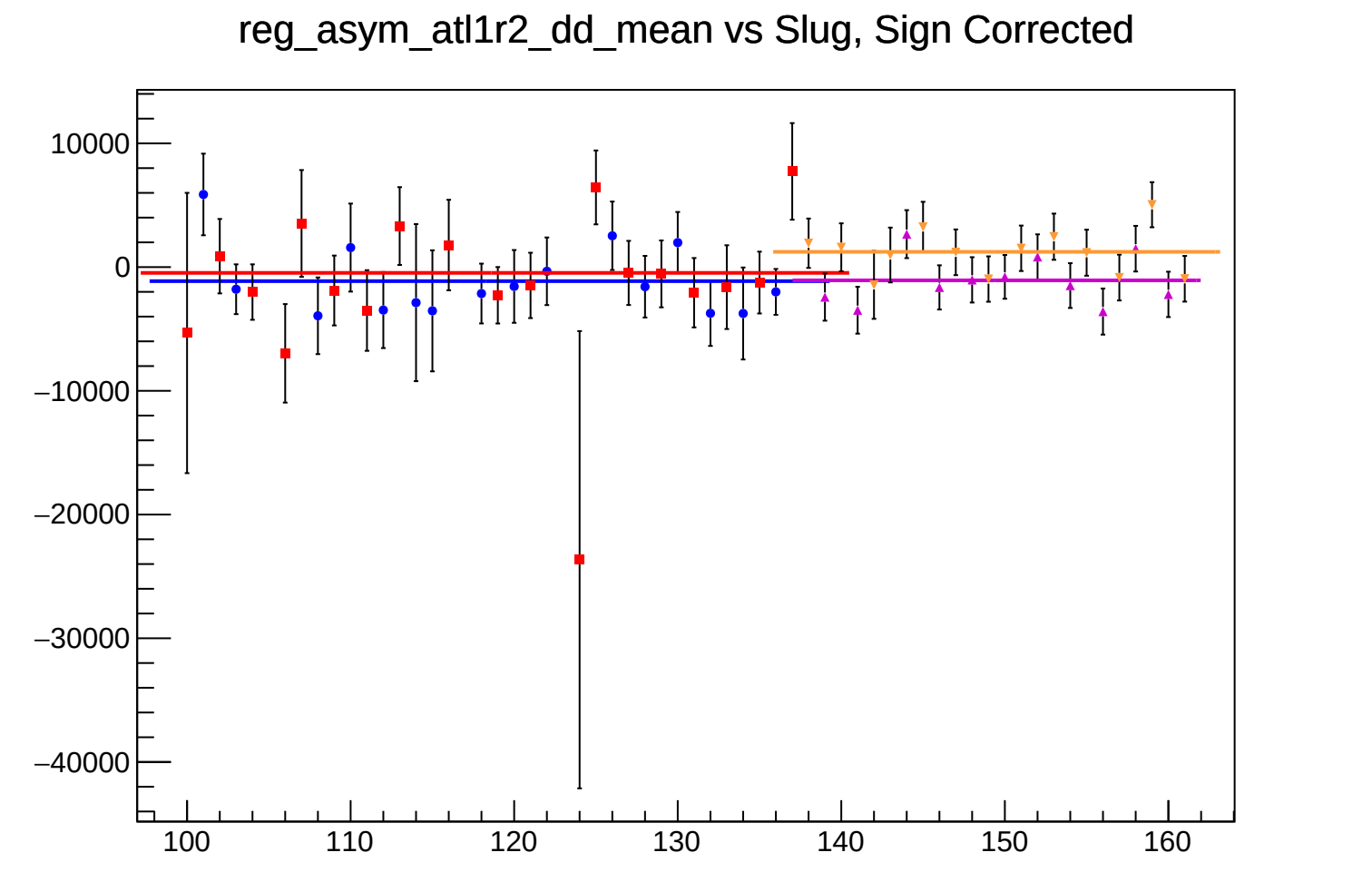
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/26

Out: -0.000+/-0.000 χ^2/NDF:38.0/31

All: 0.000+/-0.000 χ^2/NDF: 68.8/58


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1552591.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:980557.4/10
Left: 0.000+/-0.000 χ²/NDF: 2674191.3/23
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:10812166.6/26
Out: 0.000+/-0.000 χ²/NDF:5929265.9/31
All: 0.000+/-0.000 χ²/NDF: 17501853.7/58



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.087+/-538.828 χ^2/NDF:11.0/12

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1070.137+/-555.706 χ^2/NDF:11.3/10

Left: 118.014+/-386.838 χ^2/NDF: 31.1/23

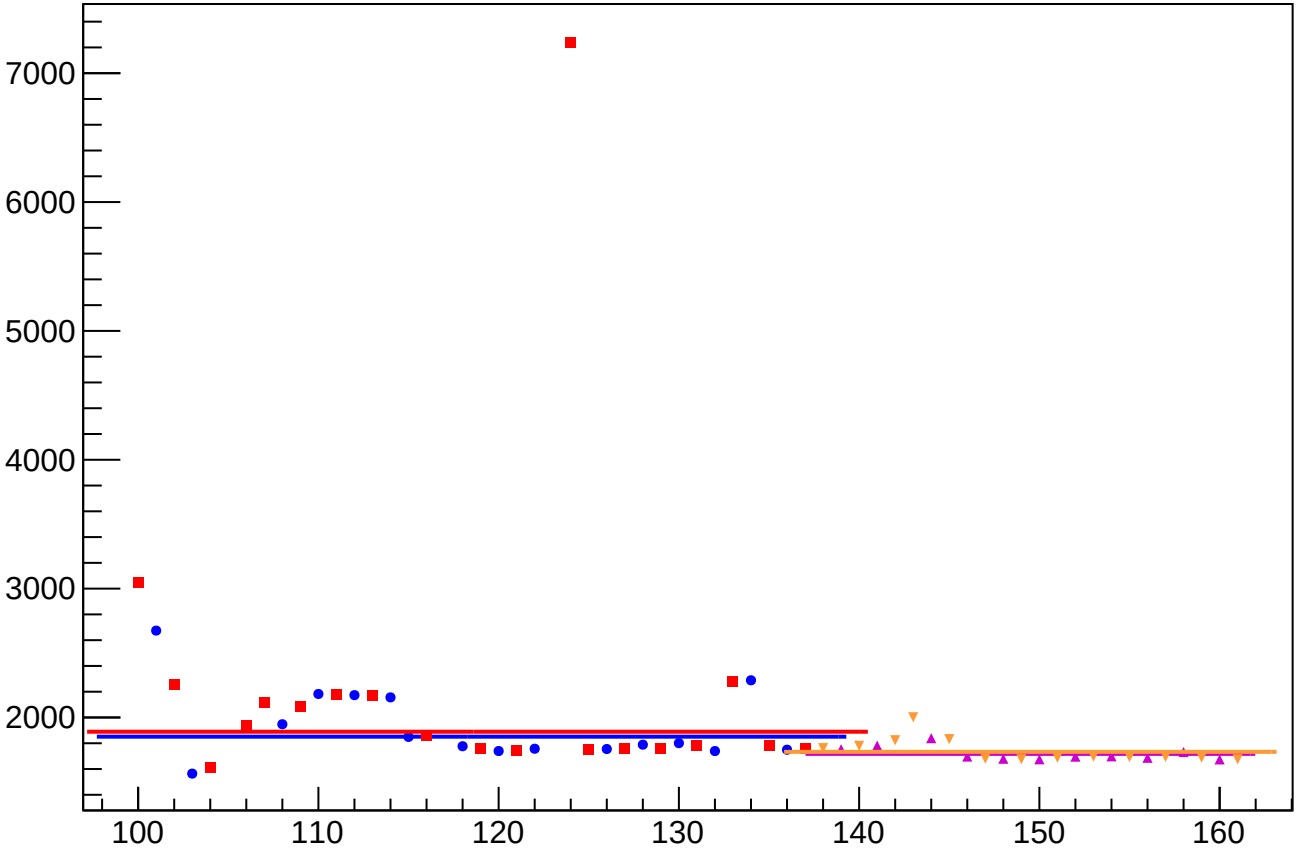
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1095.343+/-433.726 χ^2/NDF:23.5/26

Out: 609.035+/-428.314 χ^2/NDF:34.7/31

All: -232.454+/-304.759 χ^2/NDF: 66.0/58

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

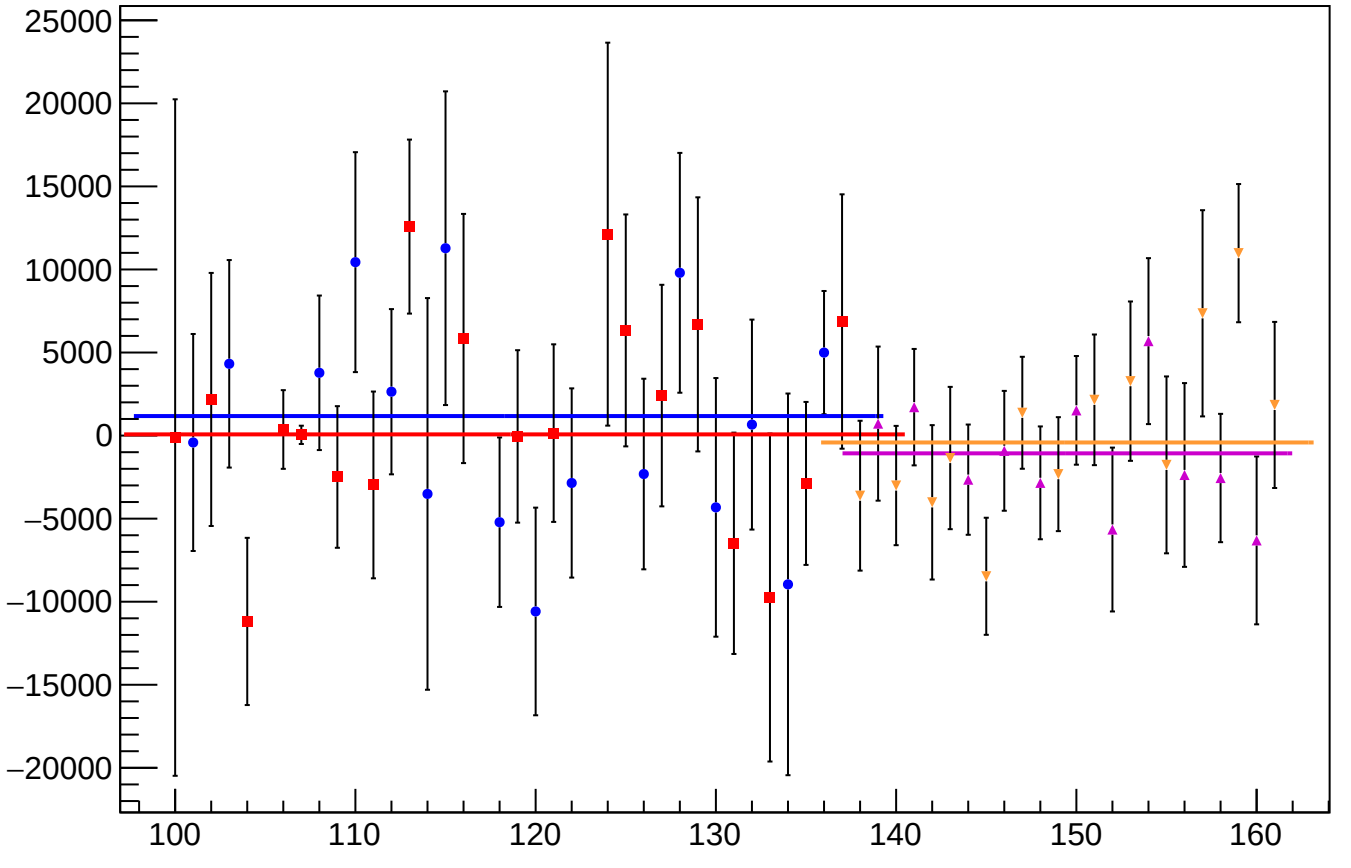
Left: 1725.668+/-0.274 χ^2/NDF: 64612.9/23

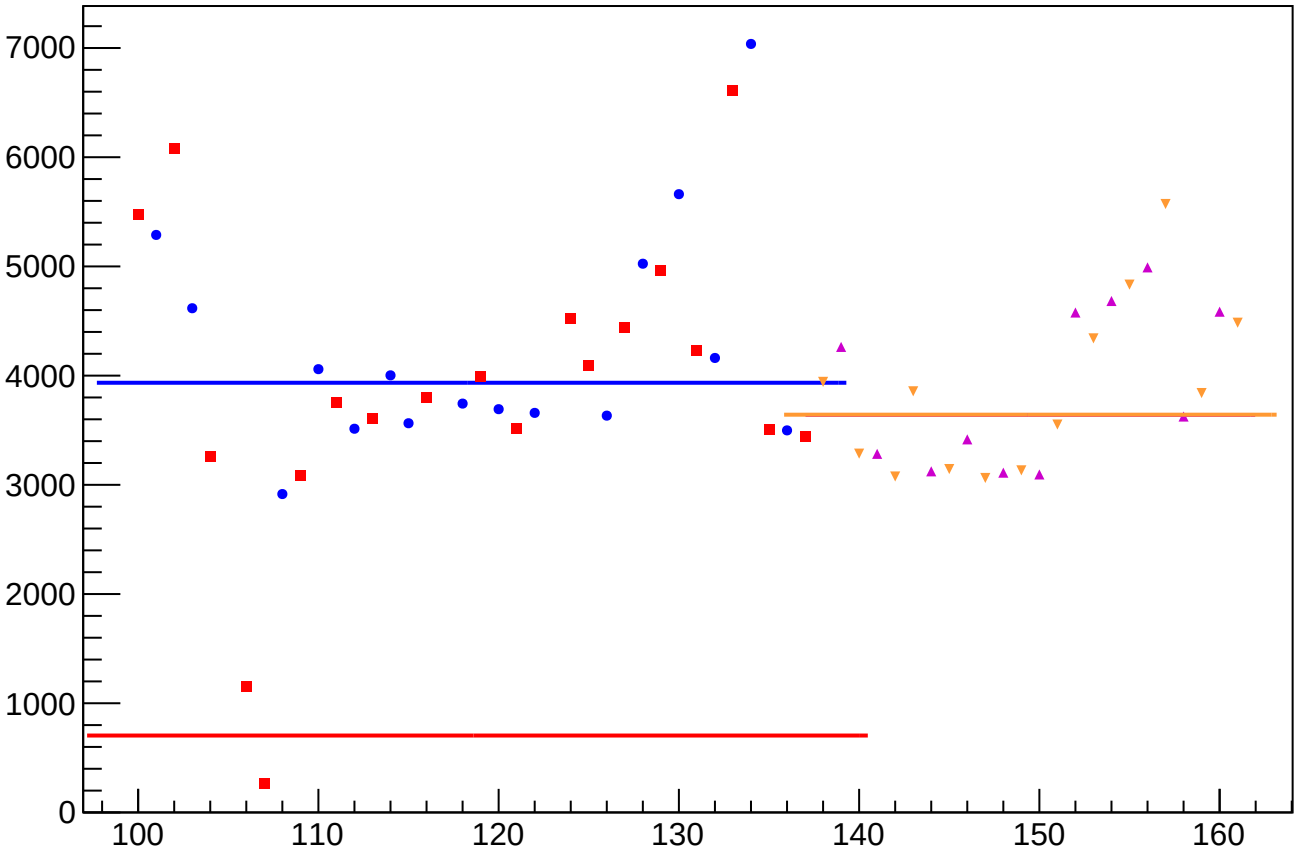
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1769.716+/-0.307 χ^2/NDF:320599.4/26

Out: 1791.021+/-0.303 χ^2/NDF:469292.5/31

All: 1780.512+/-0.215 χ^2/NDF: 792337.0/58


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1175.430+/-1502.128 χ²/NDF: 13.7/15
Left Out: -414.743+/-1156.059 χ²/NDF:17.9/12
Right Out: 72.681+/-505.693 χ²/NDF: 17.9/18
Left In: -1068.801+/-1198.852 χ²/NDF:5.9/10
Left: -729.890+/-832.174 χ²/NDF: 23.9/23
Right: 184.938+/-479.263 χ²/NDF: 32.1/34
In: -195.539+/-937.013 χ²/NDF:21.0/26
Out: -5.605+/-463.307 χ²/NDF:35.9/31
All: -42.918+/-415.312 χ²/NDF: 56.9/58



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3642.277+/-0.817 χ^2/NDF:604651.4/12

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3639.651+/-0.848 χ^2/NDF:565757.2/10

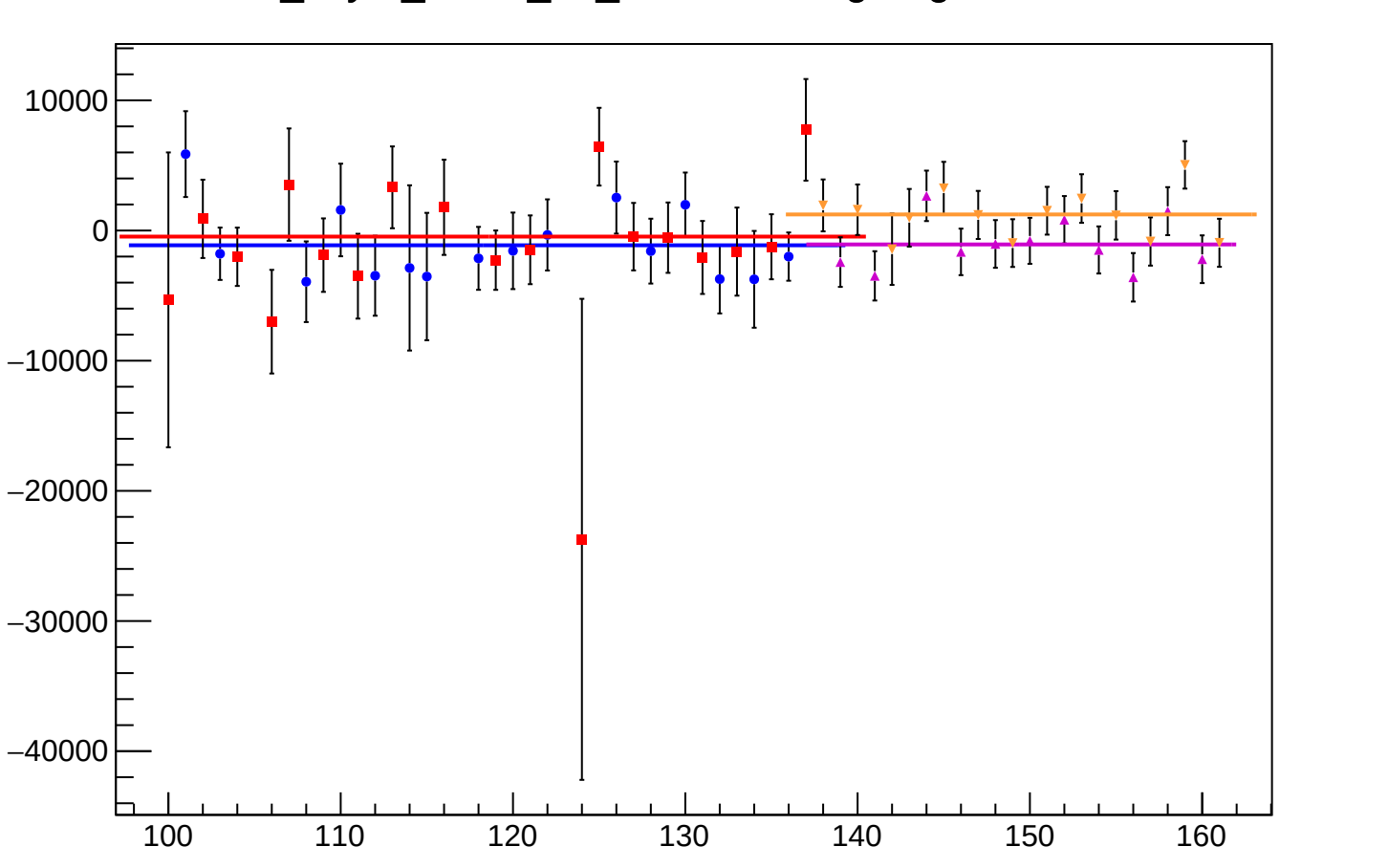
Left: 3641.011+/-0.588 χ^2/NDF: 1170413.5/23

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3754.466+/-0.663 χ^2/NDF:1173025.8/26

Out: 1176.245+/-0.328 χ^2/NDF:22065177.0/31

All: 1682.743+/-0.294 χ^2/NDF: 35405400.3/5



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.169+/-538.828 χ^2/NDF:11.0/12

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1070.091+/-555.706 χ^2/NDF:11.3/10

Left: 118.079+/-386.838 χ^2/NDF: 31.1/23

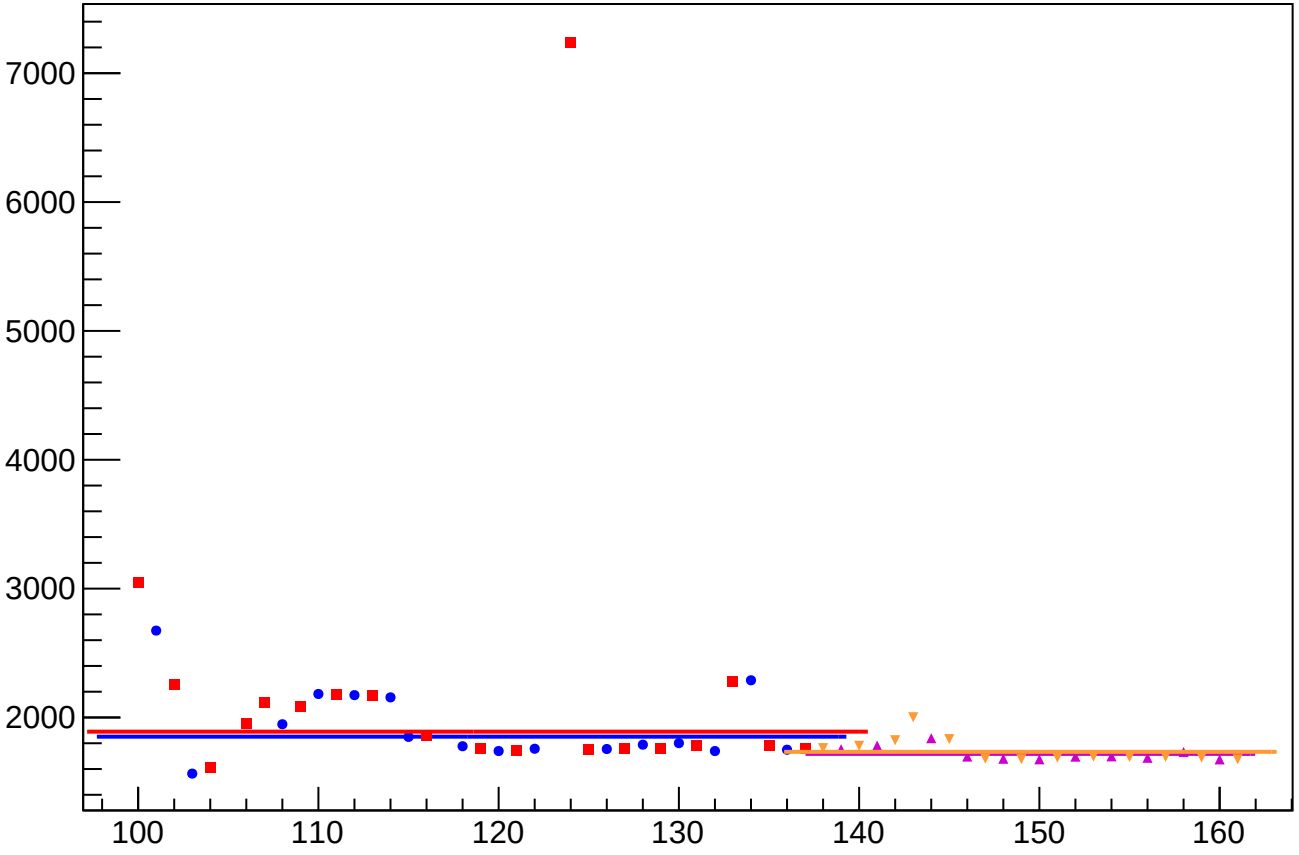
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1095.147+/-433.726 χ^2/NDF:23.5/26

Out: 608.949+/-428.315 χ^2/NDF:34.7/31

All: -232.402+/-304.759 χ^2/NDF: 66.0/58

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

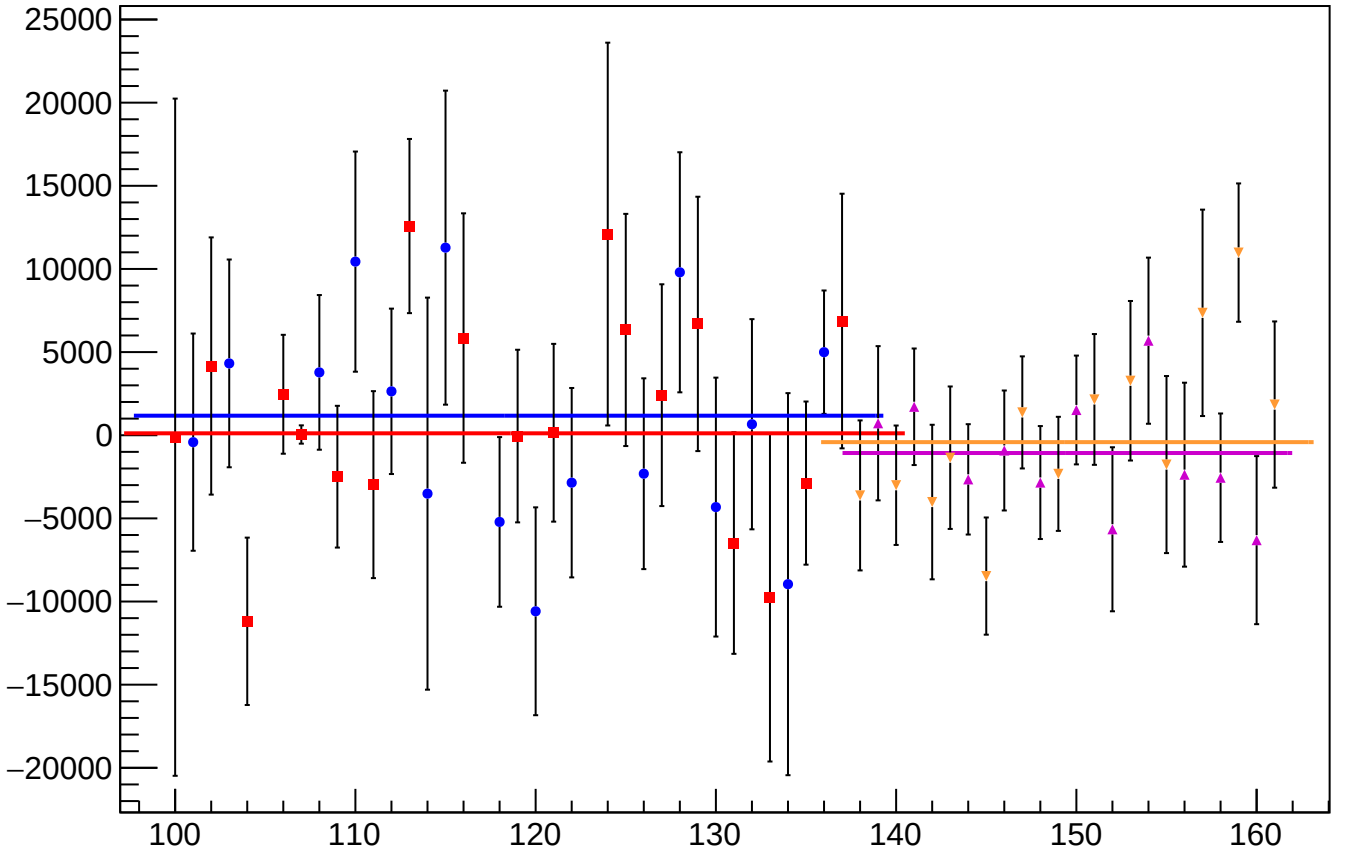
Left: 1725.668+/-0.274 χ^2/NDF: 64612.9/23

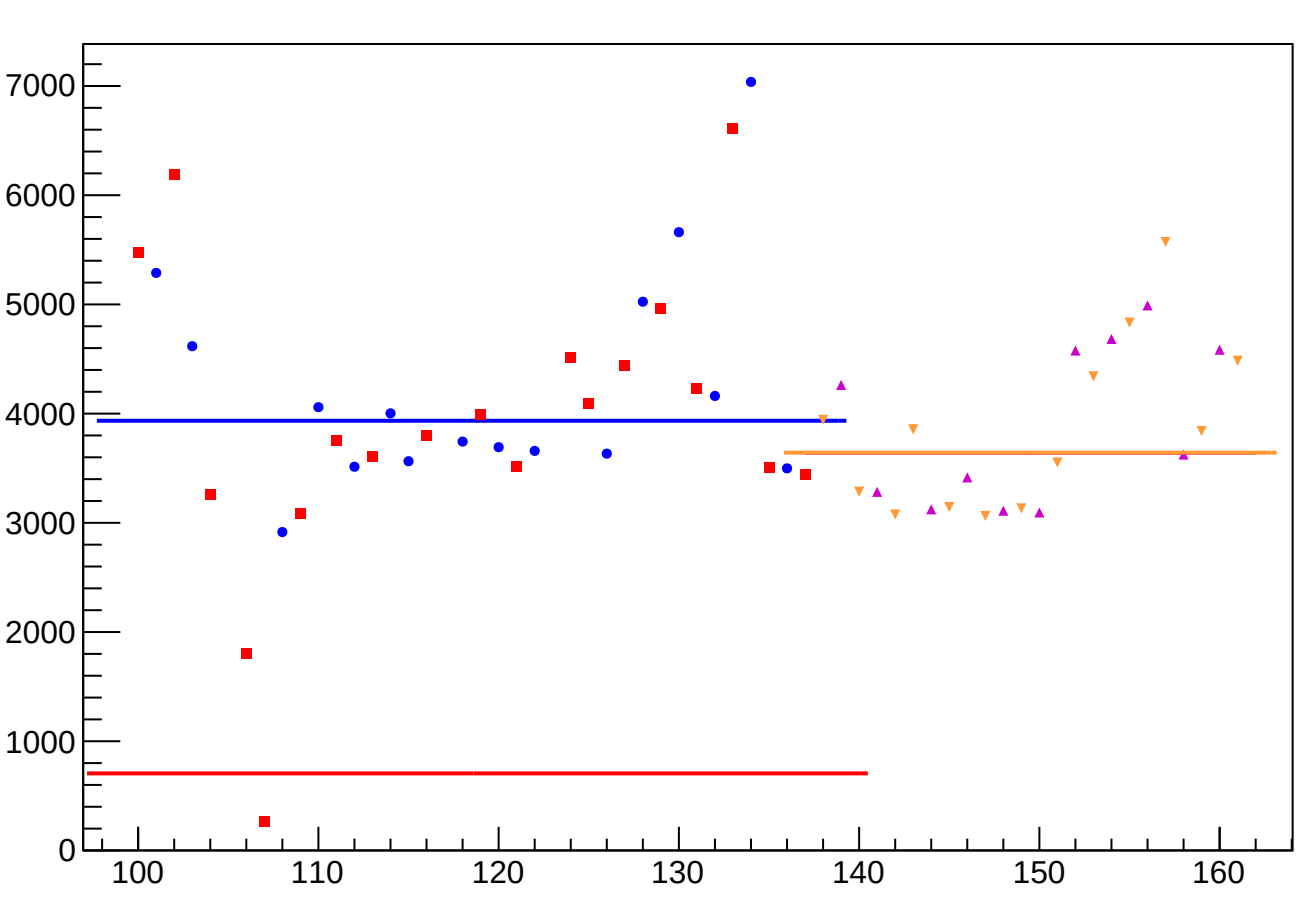
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1769.717+/-0.307 χ^2/NDF:320598.8/26

Out: 1791.174+/-0.303 χ^2/NDF:469858.9/31

All: 1780.588+/-0.215 χ^2/NDF: 792937.8/58


asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -414.741+/-1156.055 χ²/NDF:17.9/12
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1068.815+/-1198.852 χ²/NDF:5.9/10
Left: -729.895+/-832.173 χ²/NDF: 23.9/23
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: -195.560+/-937.014 χ²/NDF:21.0/26
Out: 28.816+/-468.363 χ²/NDF:36.6/31
All: -16.037+/-418.942 χ²/NDF: 57.6/58



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3642.265+/-0.817 χ^2/NDF:604657.2/12

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

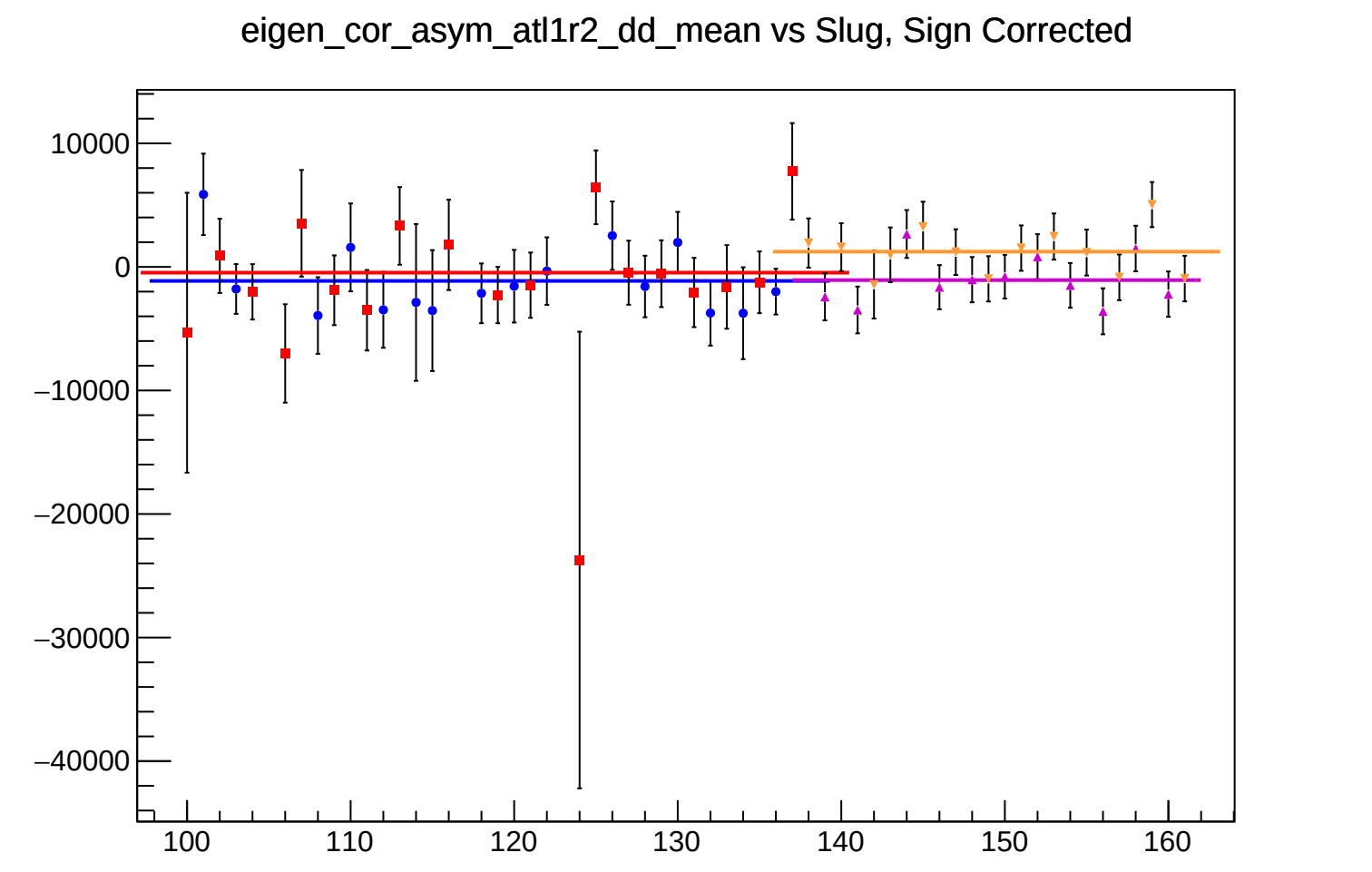
Left: 3641.006+/-0.588 χ^2/NDF: 1170408.8/23

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3754.469+/-0.663 χ^2/NDF:1173041.8/26

Out: 1187.634+/-0.331 χ^2/NDF:22139111.9/31

All: 1700.748+/-0.296 χ^2/NDF: 35320330.6/5



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.169+/-538.828 χ^2/NDF:11.0/12

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1070.091+/-555.706 χ^2/NDF:11.3/10

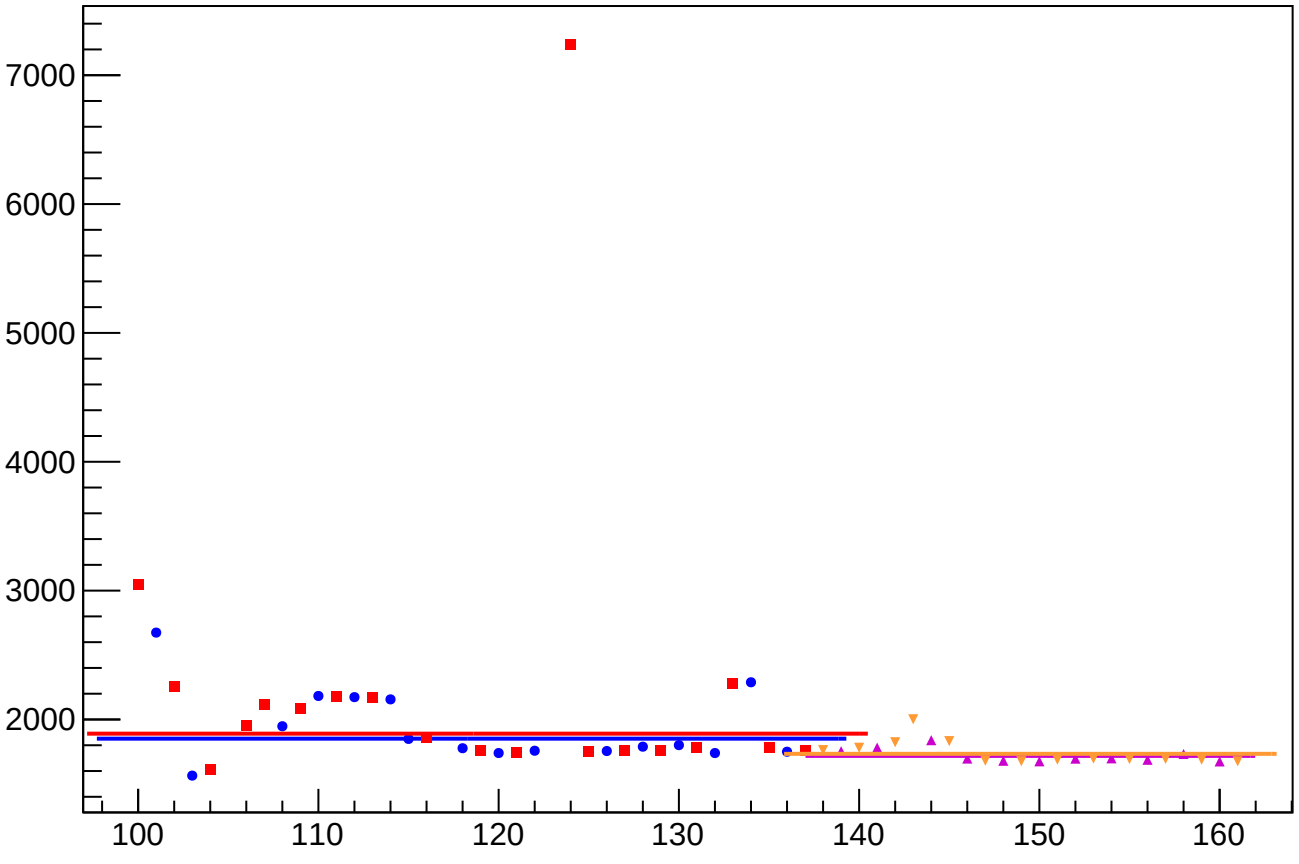
Left: 118.079+/-386.838 χ^2/NDF: 31.1/23

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1095.147+/-433.726 χ^2/NDF:23.5/26

Out: 608.949+/-428.315 χ^2/NDF:34.7/31

All: -232.402+/-304.759 χ^2/NDF: 66.0/58



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

Left: 1725.668+/-0.274 χ^2/NDF: 64612.9/23

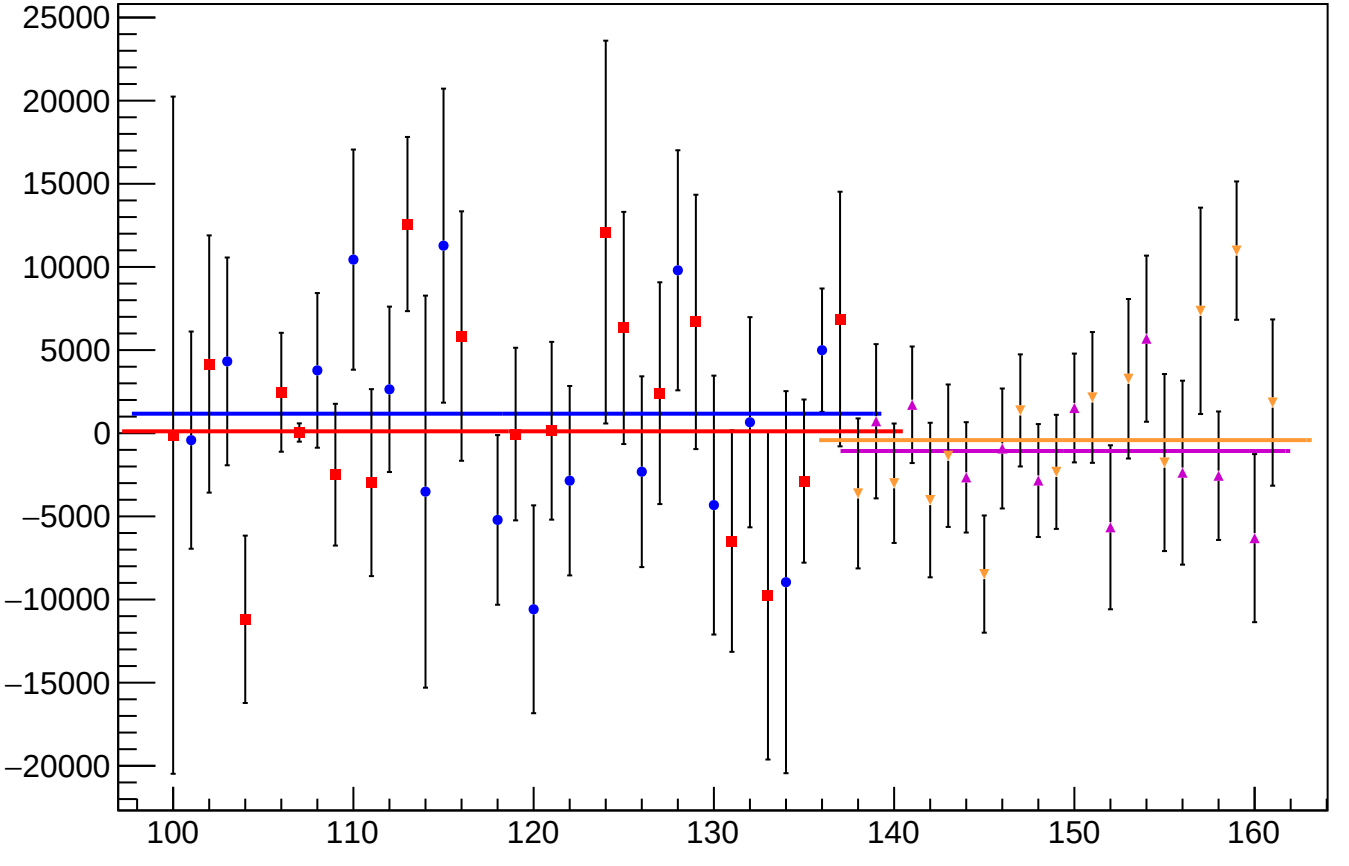
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1769.717+/-0.307 χ^2/NDF:320598.8/26

Out: 1791.174+/-0.303 χ^2/NDF:469858.9/31

All: 1780.588+/-0.215 χ^2/NDF: 792937.8/58

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -414.741+/-1156.055 χ^2/NDF:17.9/12

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1068.815+/-1198.852 χ^2/NDF:5.9/10

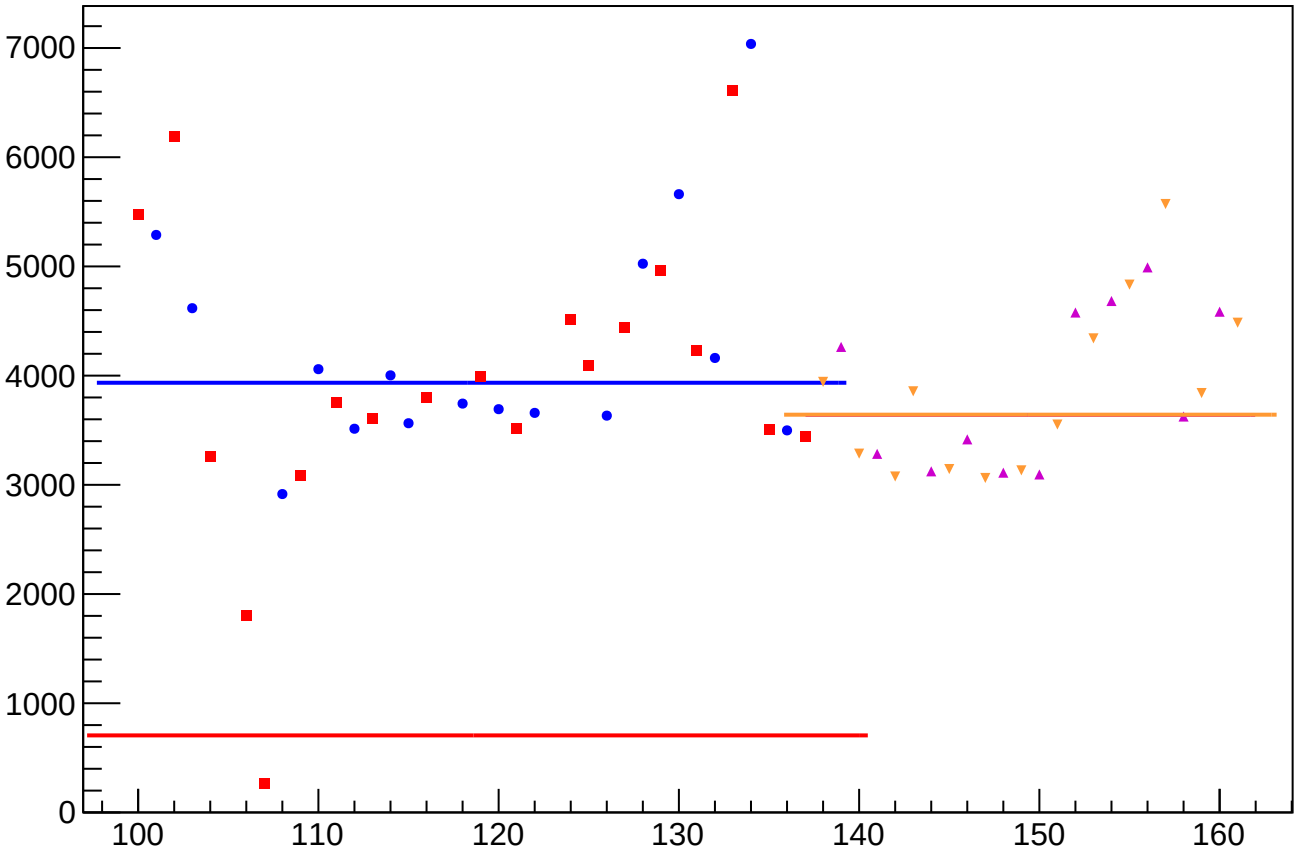
Left: -729.895+/-832.173 χ^2/NDF: 23.9/23

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -195.560+/-937.014 χ^2/NDF:21.0/26

Out: 28.816+/-468.363 χ^2/NDF:36.6/31

All: -16.037+/-418.942 χ^2/NDF: 57.6/58



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3642.265+/-0.817 χ^2/NDF:604657.2/12

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

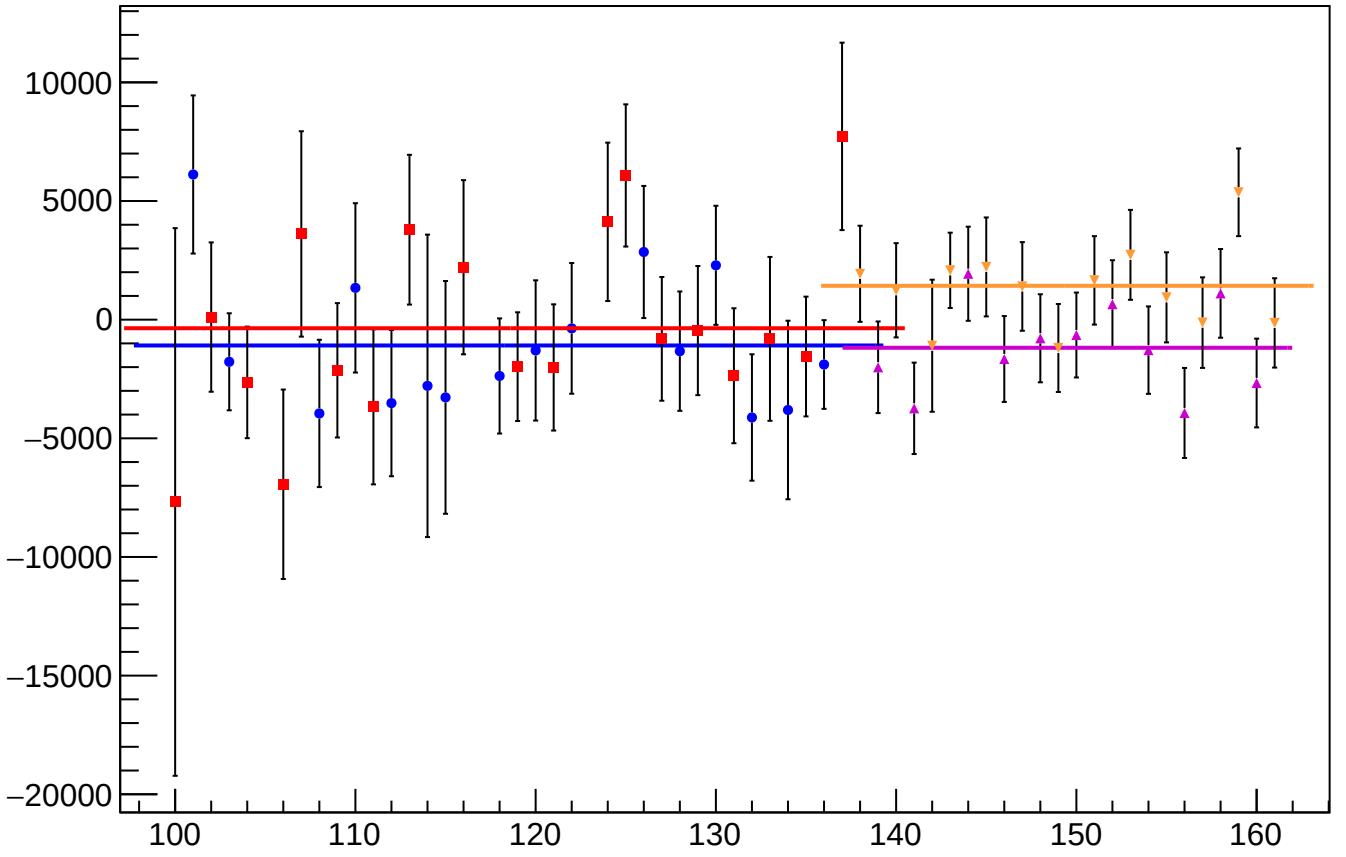
Left: 3641.006+/-0.588 χ^2/NDF: 1170408.8/23

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3754.469+/-0.663 χ^2/NDF:1173041.8/26

Out: 1187.634+/-0.331 χ^2/NDF:22139111.9/31

All: 1700.748+/-0.296 χ^2/NDF: 35320330.6/5



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1427.271+/-532.651 χ^2/NDF:9.7/12

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1184.594+/-564.598 χ^2/NDF:9.8/10

Left: 197.322+/-387.443 χ^2/NDF: 30.8/23

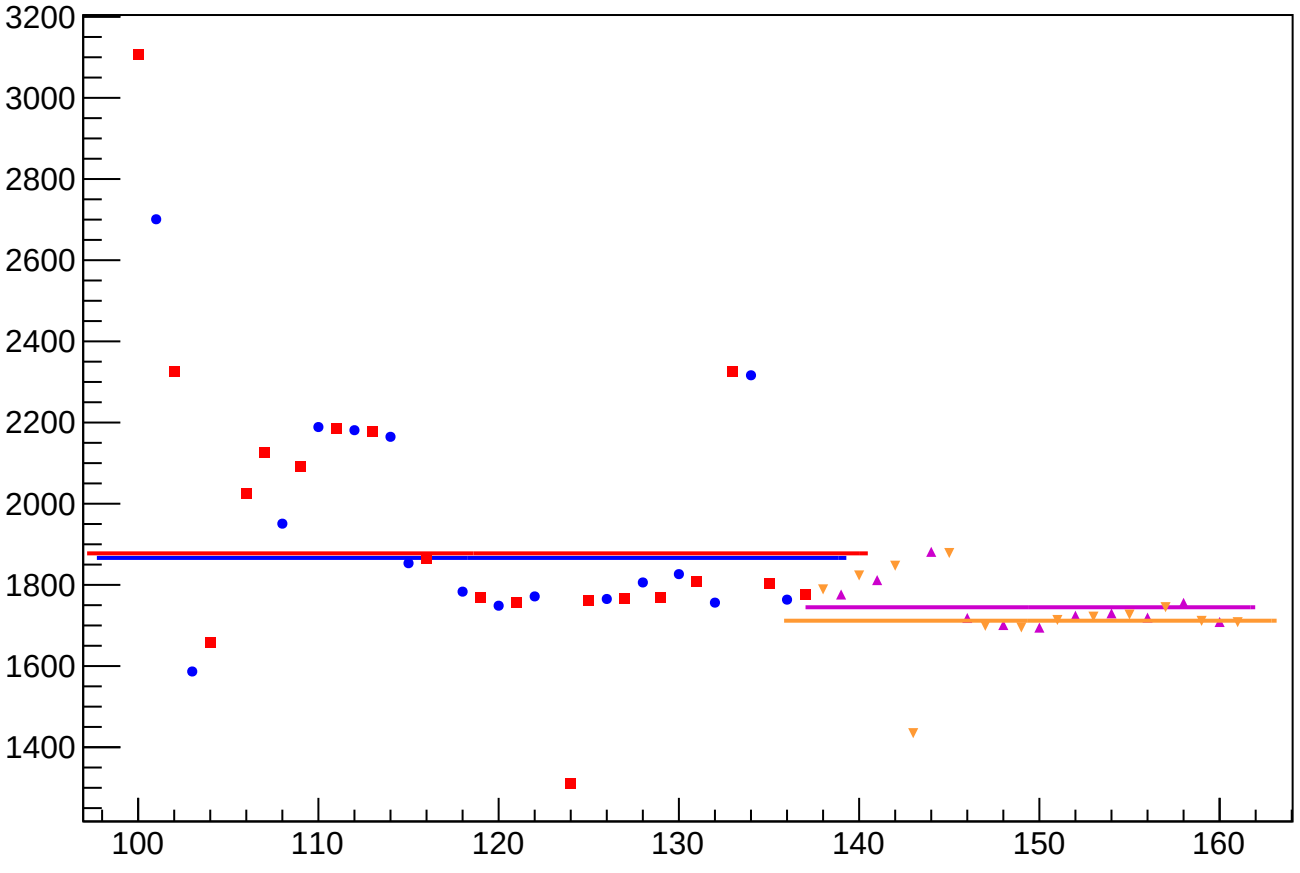
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1146.388+/-439.361 χ^2/NDF:23.0/26

Out: 771.046+/-423.812 χ^2/NDF:34.6/31

All: -153.141+/-305.029 χ^2/NDF: 67.5/58

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1711.752+/-0.377 χ^2/NDF:88719.5/12

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1744.865+/-0.399 χ^2/NDF:17113.7/10

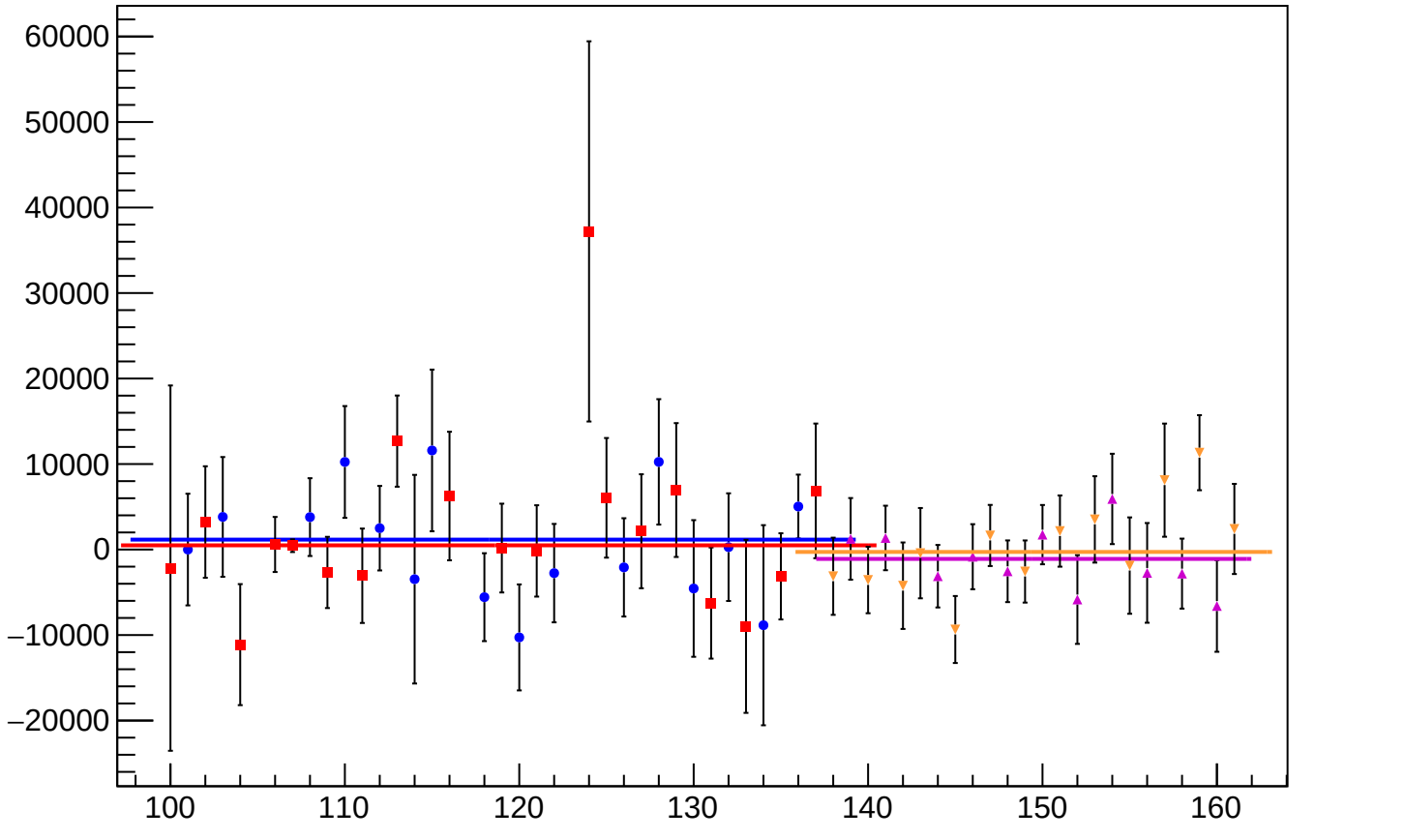
Left: 1727.345+/-0.274 χ^2/NDF: 109472.8/23

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1792.824+/-0.311 χ^2/NDF:309963.0/26

Out: 1772.690+/-0.300 χ^2/NDF:411837.6/31

All: 1782.391+/-0.216 χ^2/NDF: 723976.8/58



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -279.358+/-1241.927 χ^2/NDF:17.6/12

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -1095.892+/-1275.318 χ^2/NDF:5.7/10

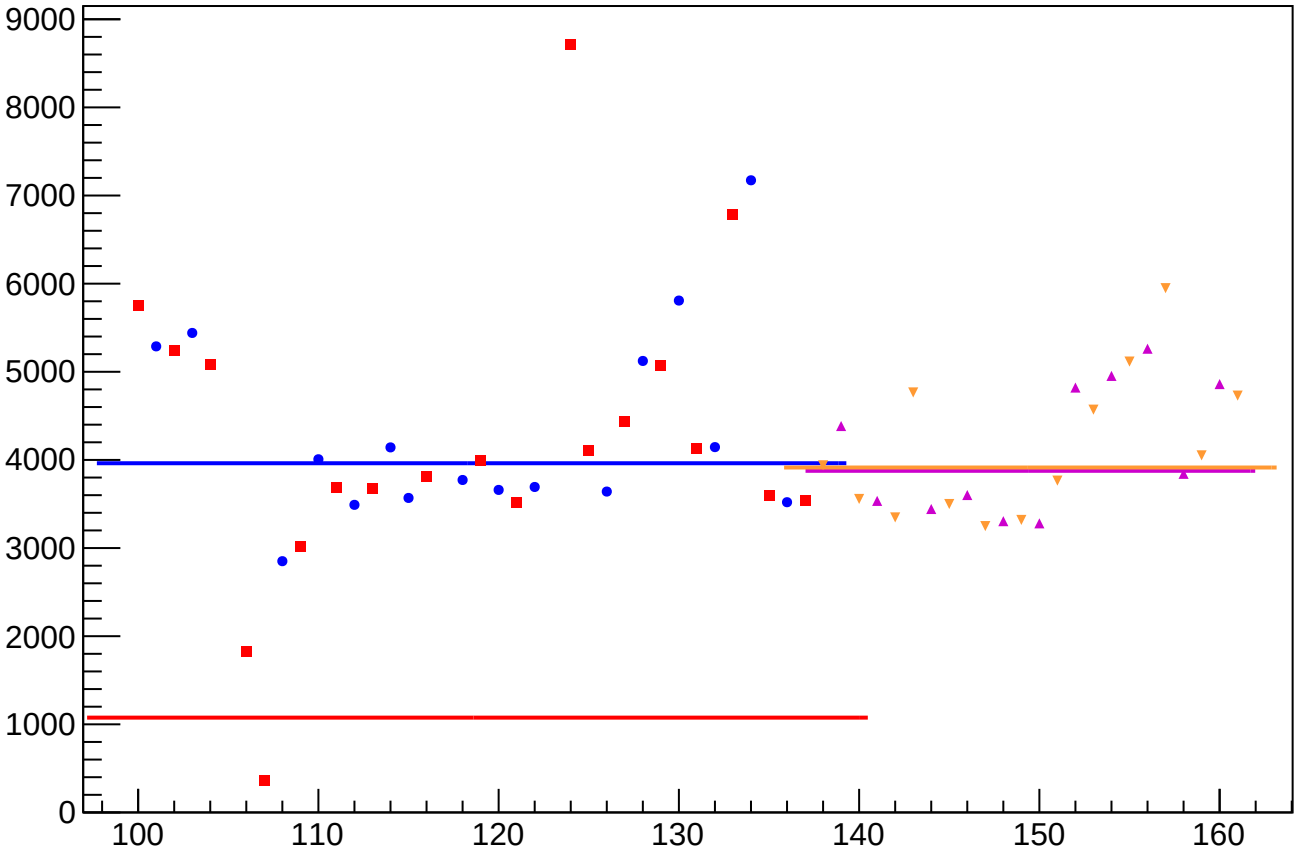
Left: -676.796+/-889.746 χ^2/NDF: 23.5/23

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: -157.827+/-974.912 χ^2/NDF:20.7/26

Out: 323.434+/-581.786 χ^2/NDF:34.9/31

All: 197.054+/-499.591 χ^2/NDF: 55.7/58



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3913.891+/-0.878 χ^2/NDF:605366.7/12

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3876.578+/-0.902 χ^2/NDF:516514.2/10

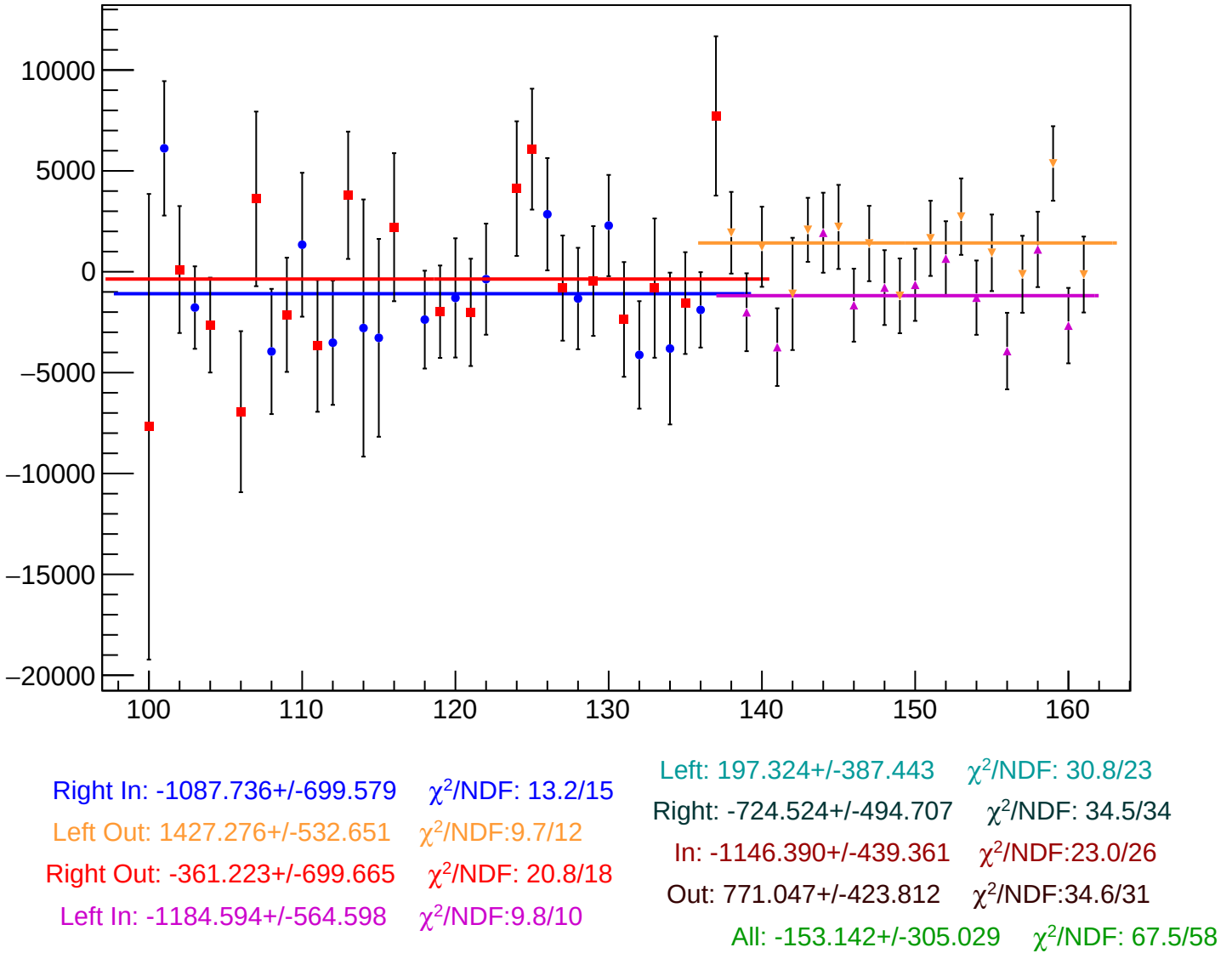
Left: 3895.729+/-0.629 χ^2/NDF: 1122759.6/23

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

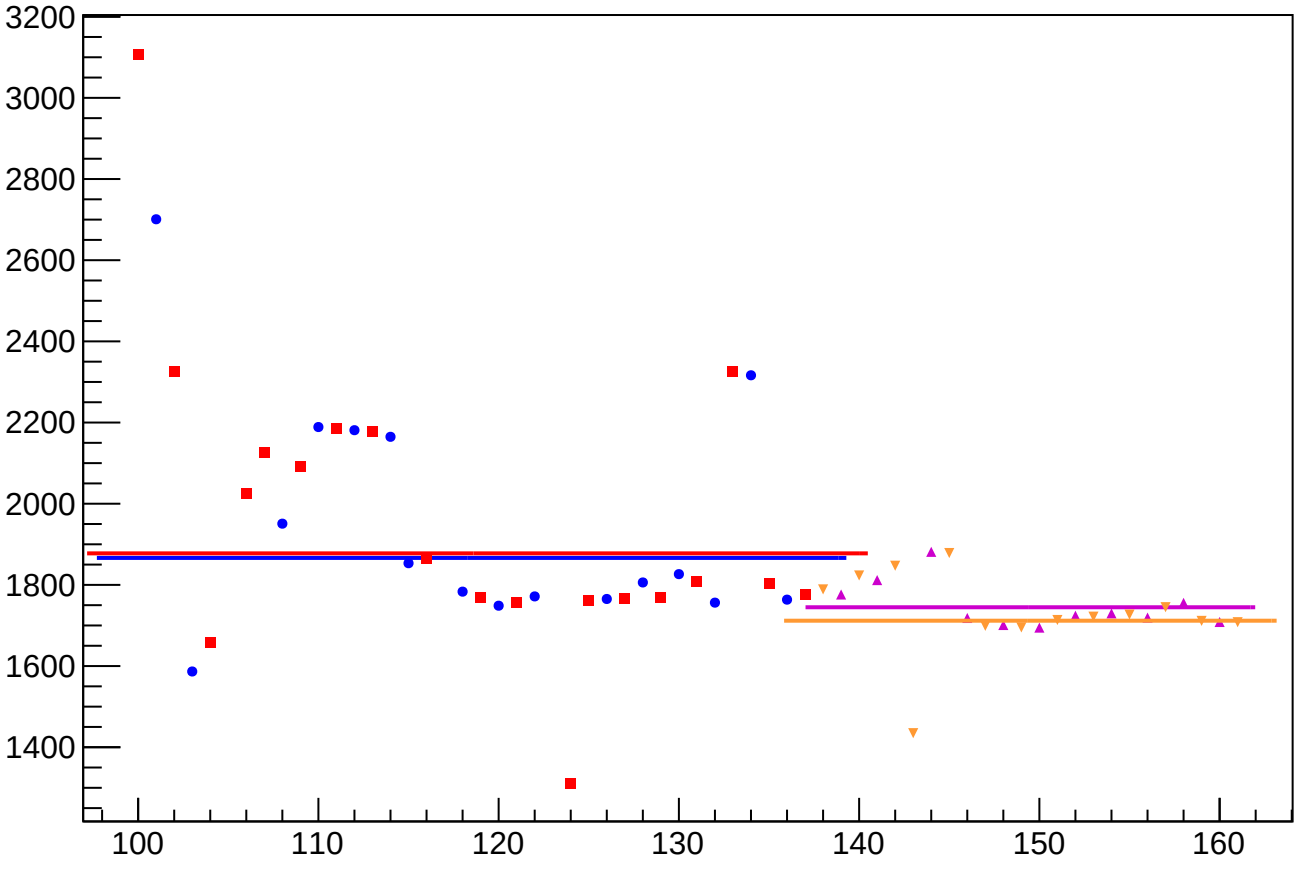
In: 3912.234+/-0.689 χ^2/NDF:1188615.3/26

Out: 1698.740+/-0.411 χ^2/NDF:18315349.8/31

All: 2280.007+/-0.353 χ^2/NDF: 27106489.9/5


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 1427.276+/-532.651 χ²/NDF:9.7/12
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1184.594+/-564.598 χ²/NDF:9.8/10
Left: 197.324+/-387.443 χ²/NDF: 30.8/23
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1146.390+/-439.361 χ²/NDF:23.0/26
Out: 771.047+/-423.812 χ²/NDF:34.6/31
All: -153.142+/-305.029 χ²/NDF: 67.5/58

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1711.753+/-0.377 χ^2/NDF:88718.6/12

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1744.865+/-0.399 χ^2/NDF:17113.6/10

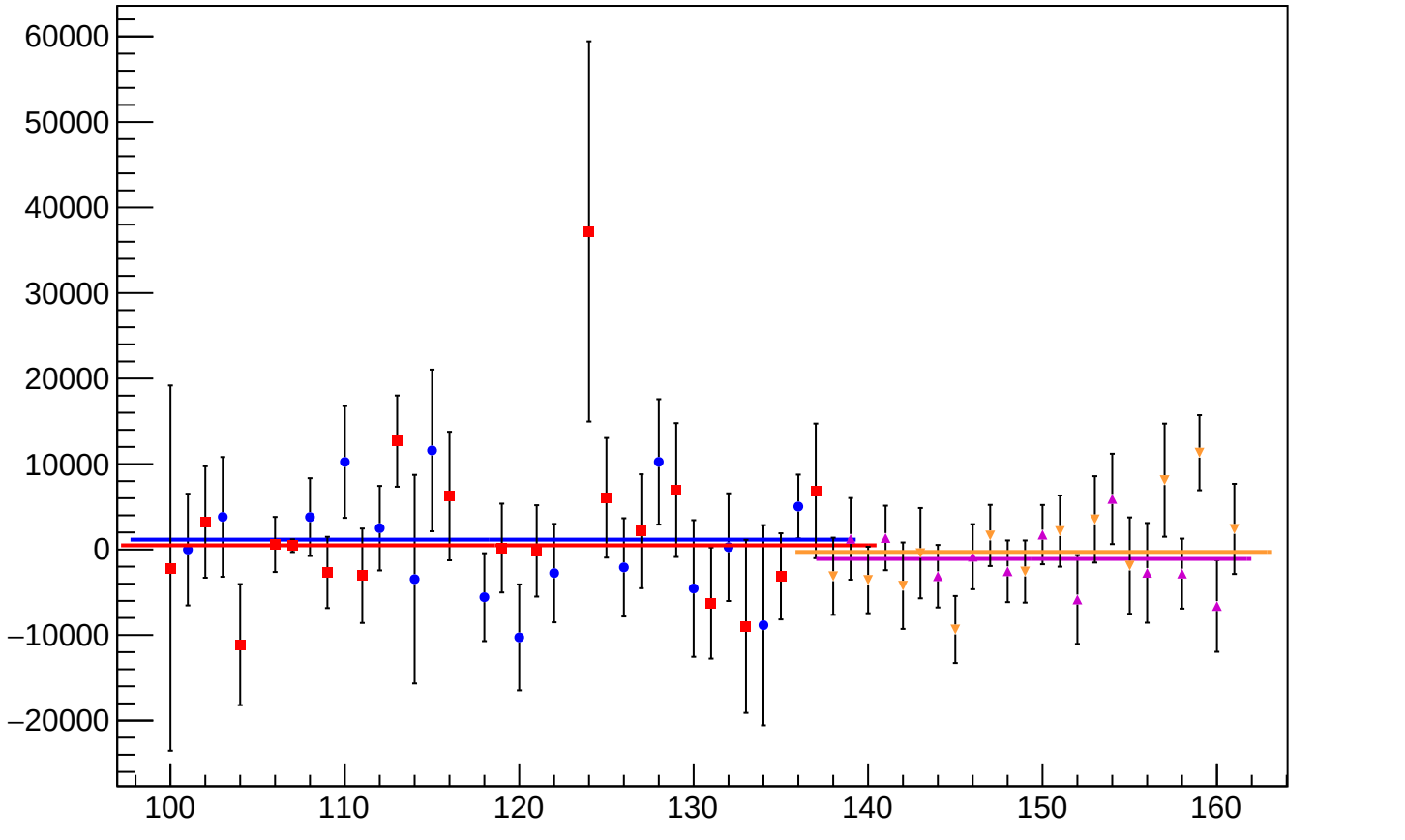
Left: 1727.346+/-0.274 χ^2/NDF: 109471.7/23

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1792.824+/-0.311 χ^2/NDF:309962.4/26

Out: 1772.690+/-0.300 χ^2/NDF:411836.2/31

All: 1782.392+/-0.216 χ^2/NDF: 723974.7/58



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -279.358+/-1241.929 χ^2/NDF:17.6/12

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -1095.890+/-1275.320 χ^2/NDF:5.7/10

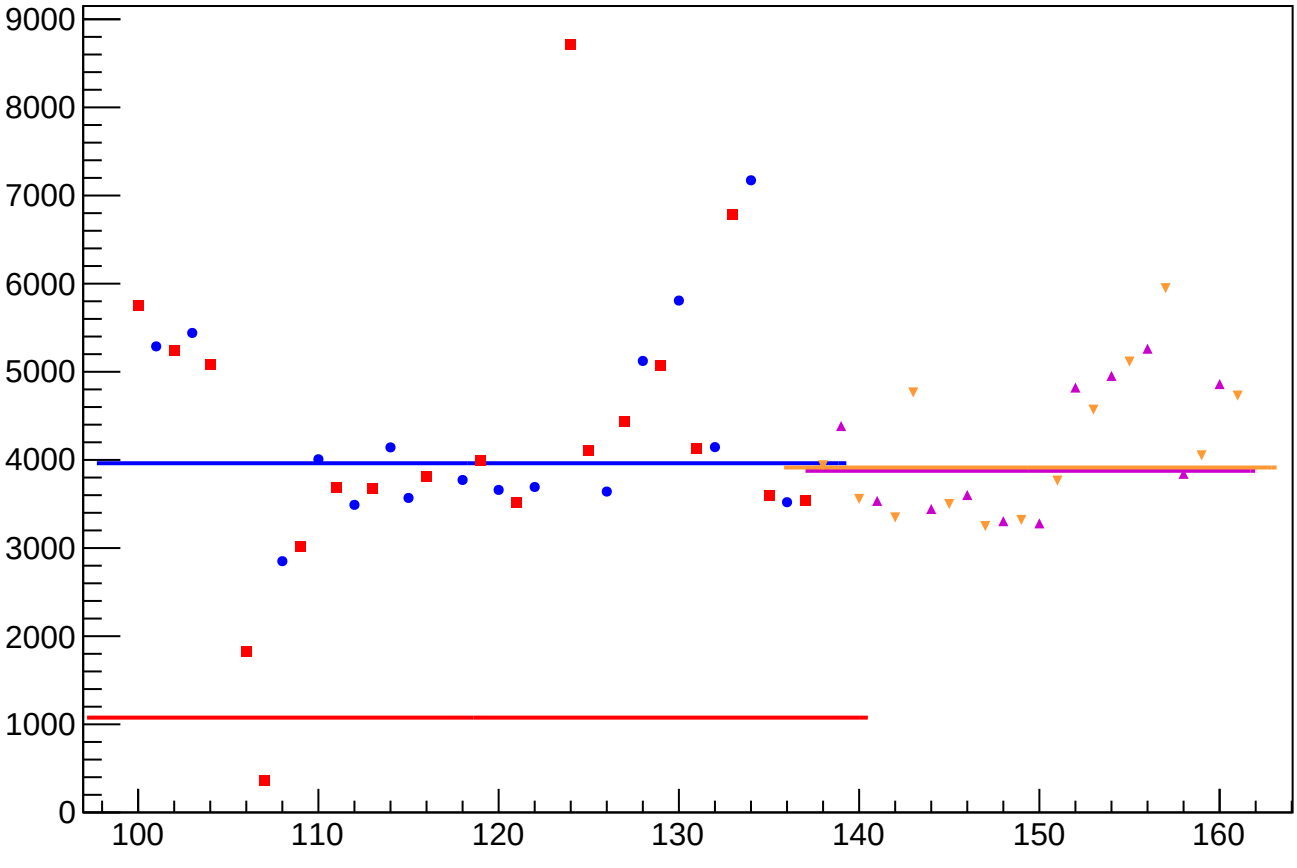
Left: -676.795+/-889.747 χ^2/NDF: 23.5/23

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -157.831+/-974.912 χ^2/NDF:20.7/26

Out: 323.436+/-581.794 χ^2/NDF:34.9/31

All: 197.052+/-499.595 χ^2/NDF: 55.7/58



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3913.896+/-0.878 χ^2/NDF:605364.3/12

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3876.582+/-0.902 χ^2/NDF:516512.2/10

Left: 3895.734+/-0.629 χ^2/NDF: 1122755.3/23

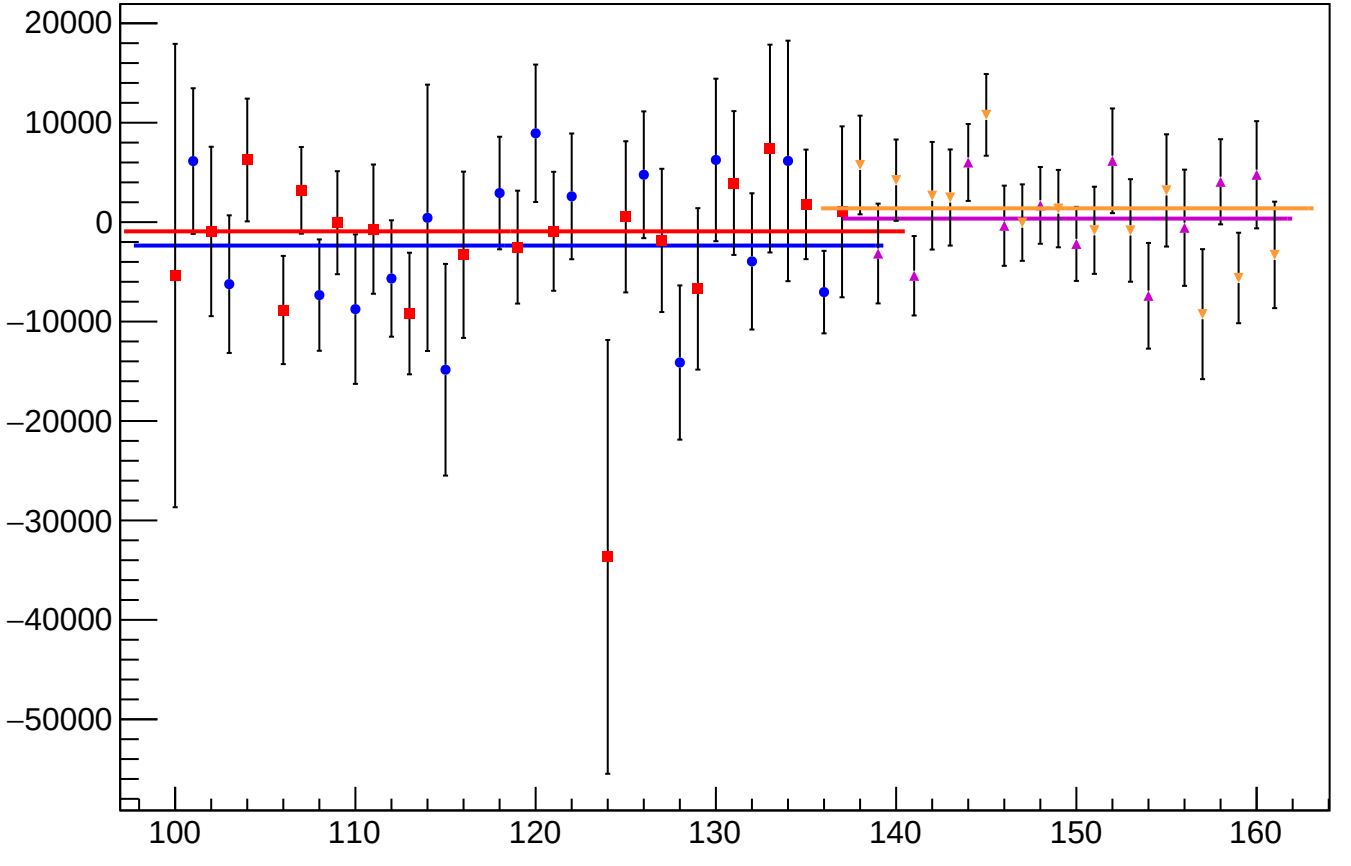
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3912.234+/-0.689 χ^2/NDF:1188608.7/26

Out: 1698.779+/-0.411 χ^2/NDF:18314993.8/31

All: 2280.048+/-0.353 χ^2/NDF: 27105803.8/5

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1391.260+/-1293.376 χ^2/NDF:13.1/12

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 357.767+/-1336.798 χ^2/NDF:10.1/10

Left: 891.571+/-929.527 χ^2/NDF: 23.5/23

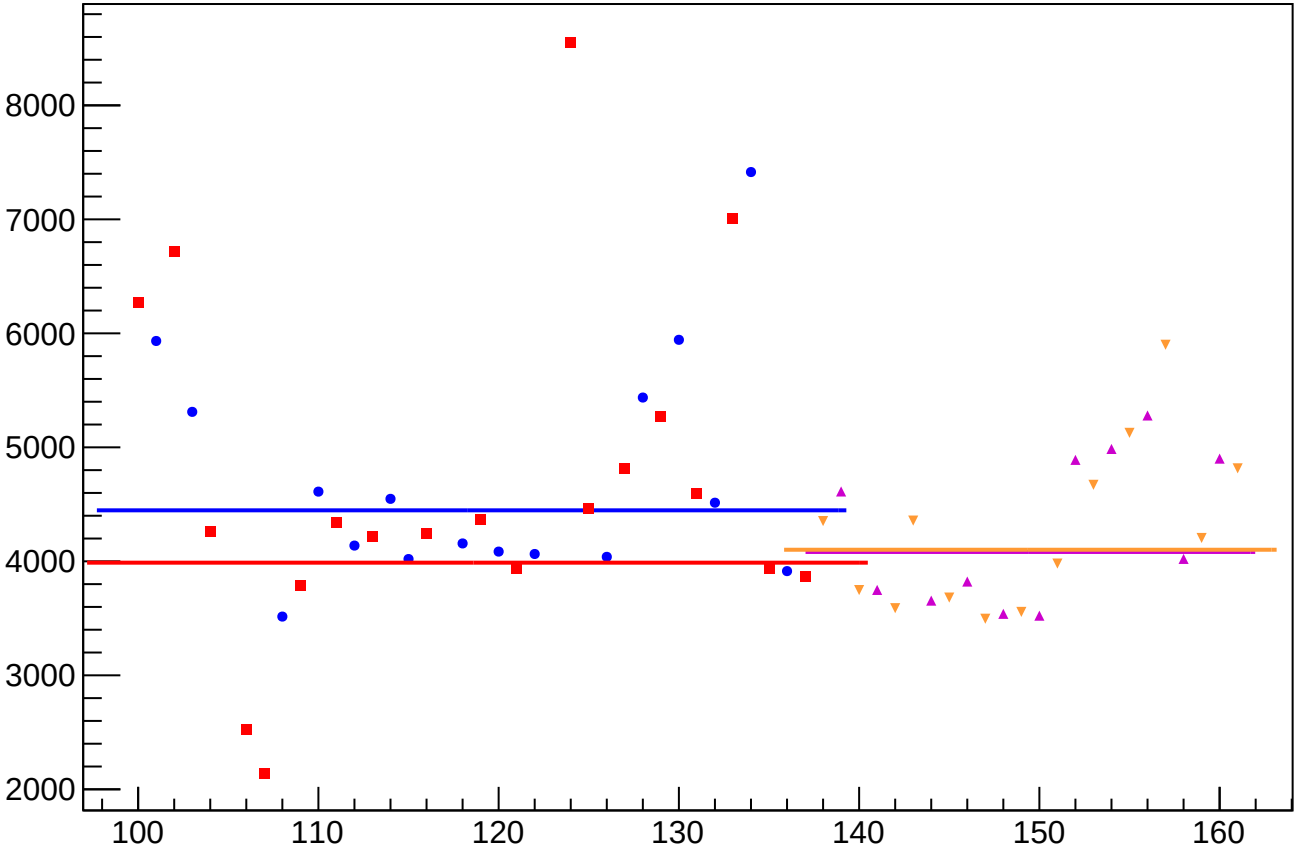
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -690.228+/-1047.200 χ^2/NDF:27.2/26

Out: 438.281+/-992.241 χ^2/NDF:25.0/31

All: -95.584+/-720.266 χ^2/NDF: 52.8/58

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4101.639+/-0.915 χ^2/NDF:433142.7/12

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4082.243+/-0.945 χ^2/NDF:388820.0/10

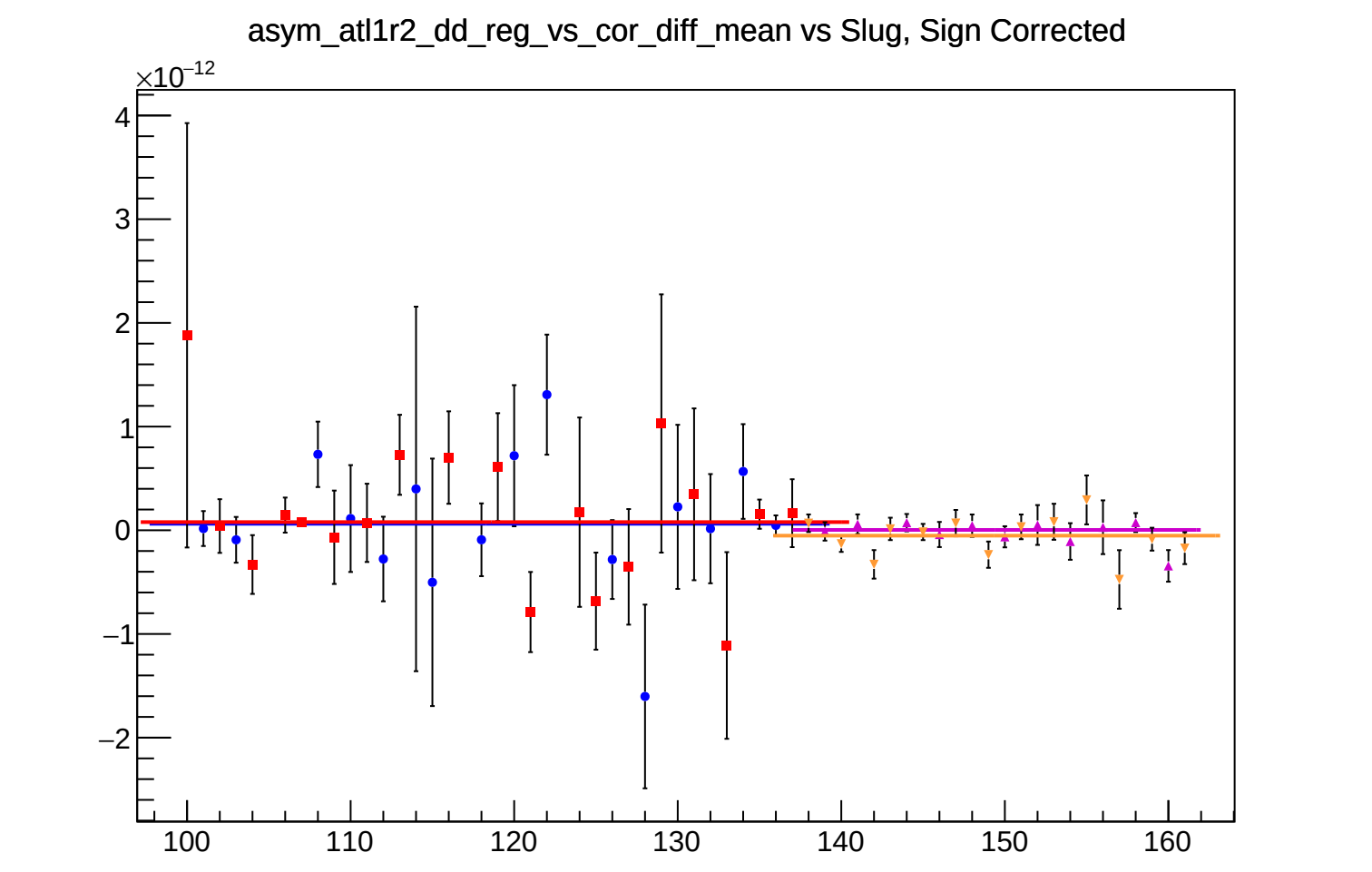
Left: 4092.261+/-0.657 χ^2/NDF: 822180.2/23

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4223.327+/-0.740 χ^2/NDF:904732.6/26

Out: 4054.437+/-0.699 χ^2/NDF:1583474.3/31

All: 4133.987+/-0.508 χ^2/NDF: 2515725.2/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/10

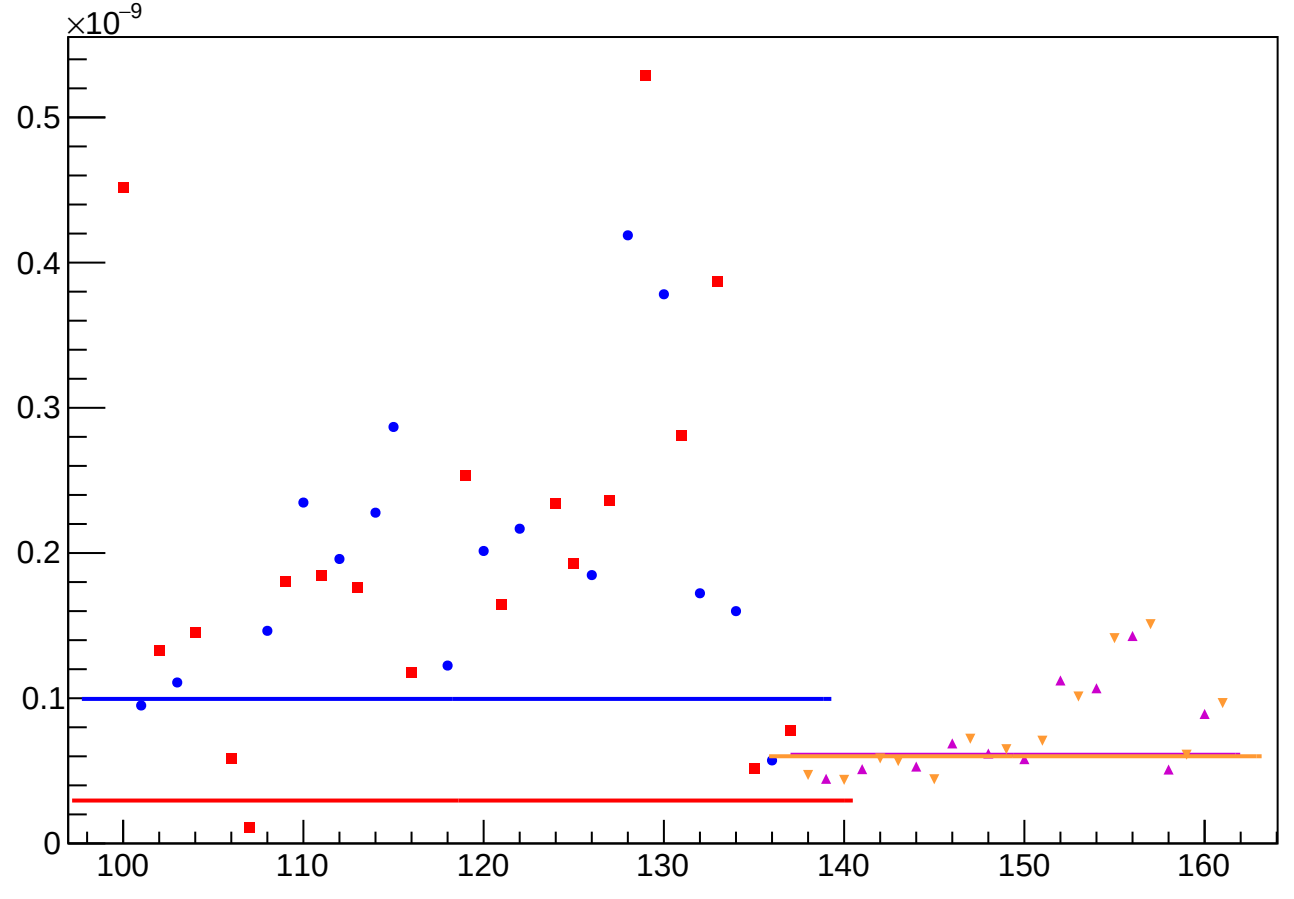
Left: -0.000+/-0.000 χ^2/NDF: 26.2/23

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:26.1/26

Out: 0.000+/-0.000 χ^2/NDF:44.9/31

All: 0.000+/-0.000 χ^2/NDF: 71.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925211.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:689547.0/10

Left: 0.000+/-0.000 χ^2/NDF: 1615752.1/23

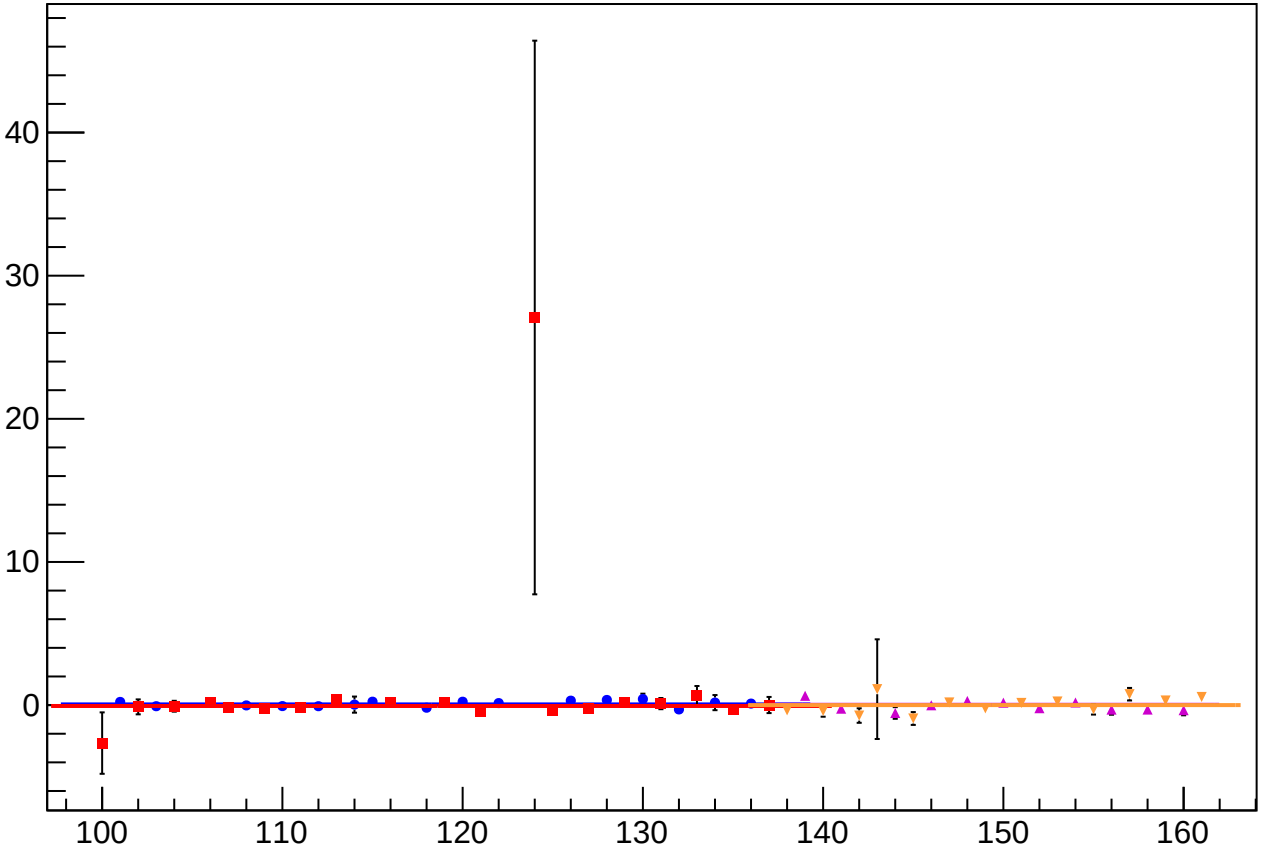
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2763538.0/26

Out: 0.000+/-0.000 χ^2/NDF:6165878.5/31

All: 0.000+/-0.000 χ^2/NDF: 9674499.4/58

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.022+/-0.093 χ^2/NDF:14.6/10

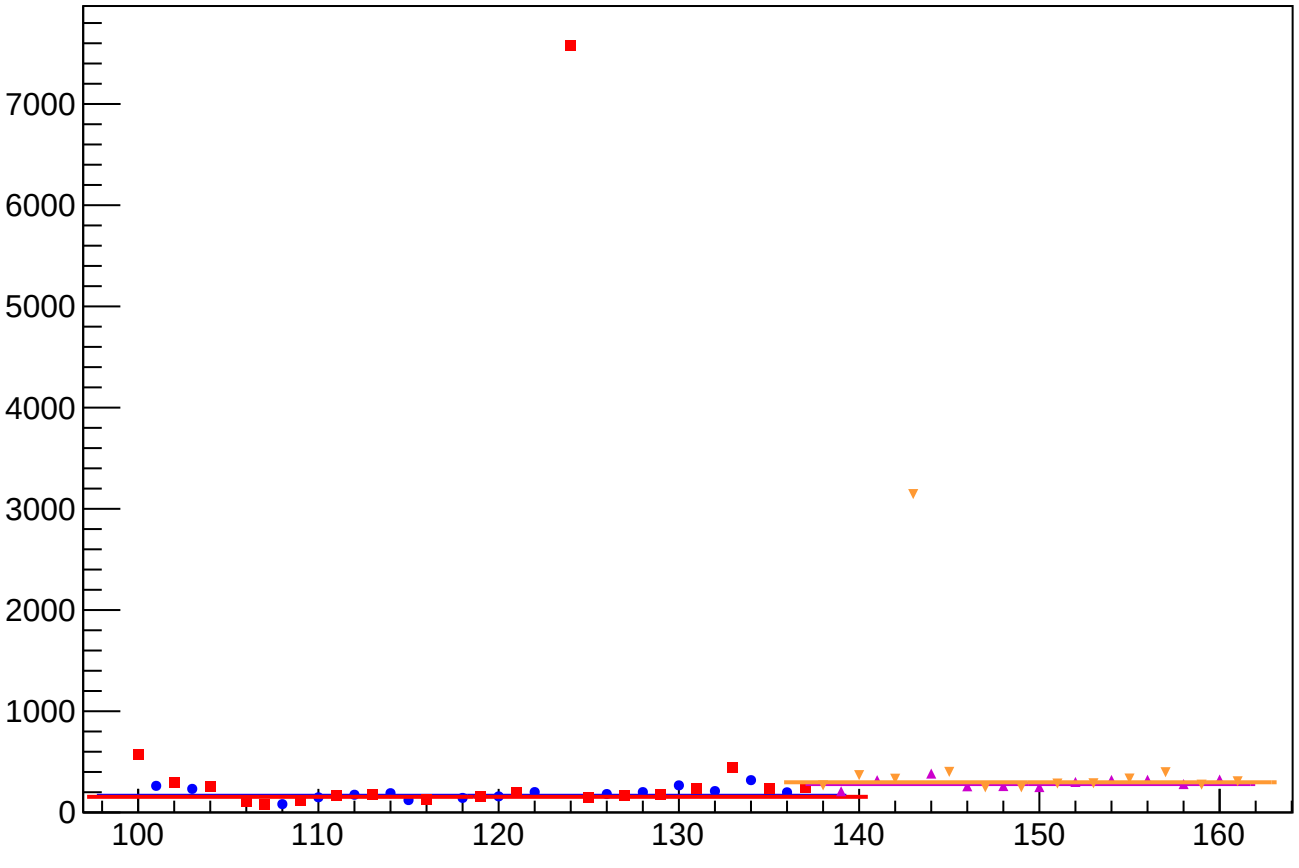
Left: 0.012+/-0.067 χ^2/NDF: 33.1/23

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.043+/-0.054 χ^2/NDF:37.1/31

All: -0.002+/-0.038 χ^2/NDF: 60.6/58



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 298.208+/-0.069 χ^2/NDF:1809294.7/12

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

Left: 288.892+/-0.048 χ^2/NDF: 2318725.0/23

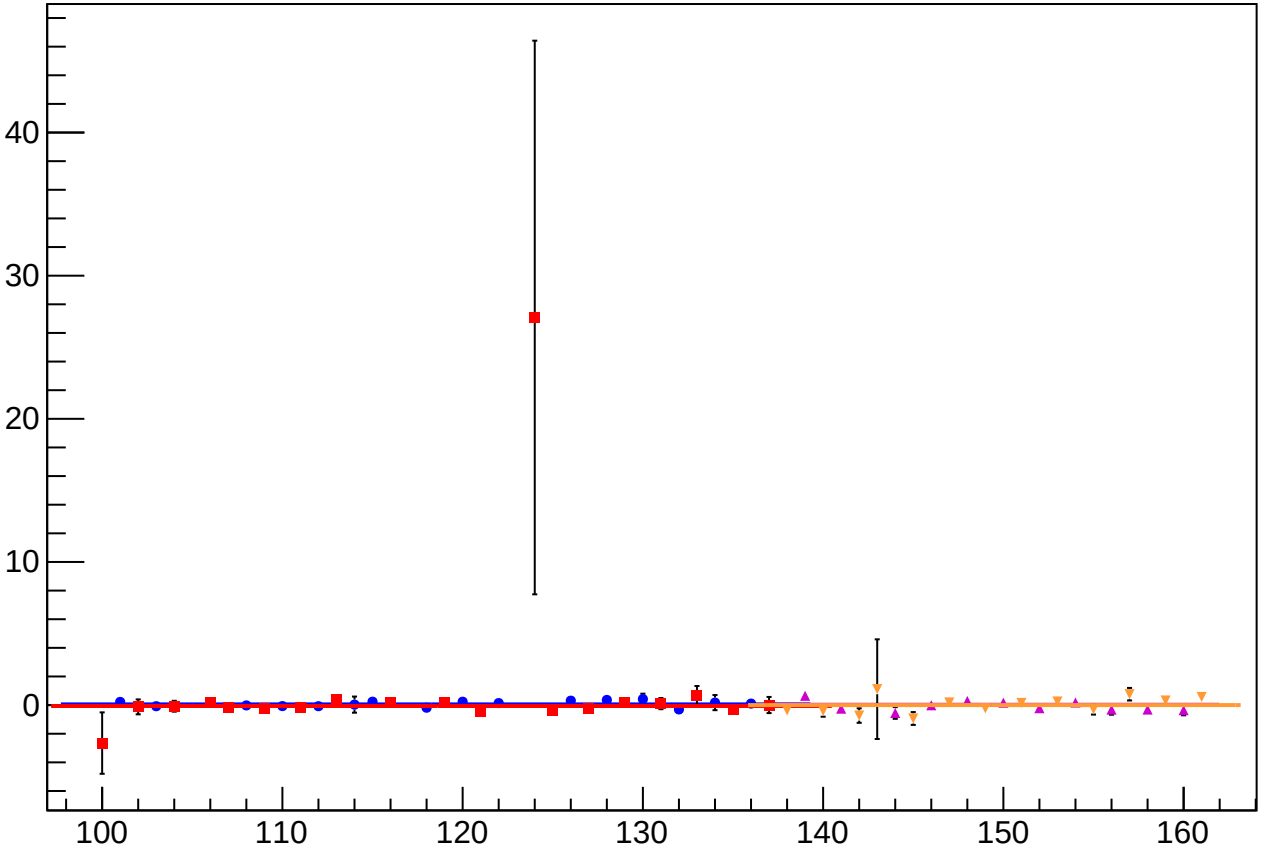
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 204.037+/-0.038 χ^2/NDF:4004150.4/26

Out: 197.924+/-0.038 χ^2/NDF:6749778.9/31

All: 200.968+/-0.027 χ^2/NDF: 10766793.7/58

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.022+/-0.093 χ^2/NDF:14.6/10

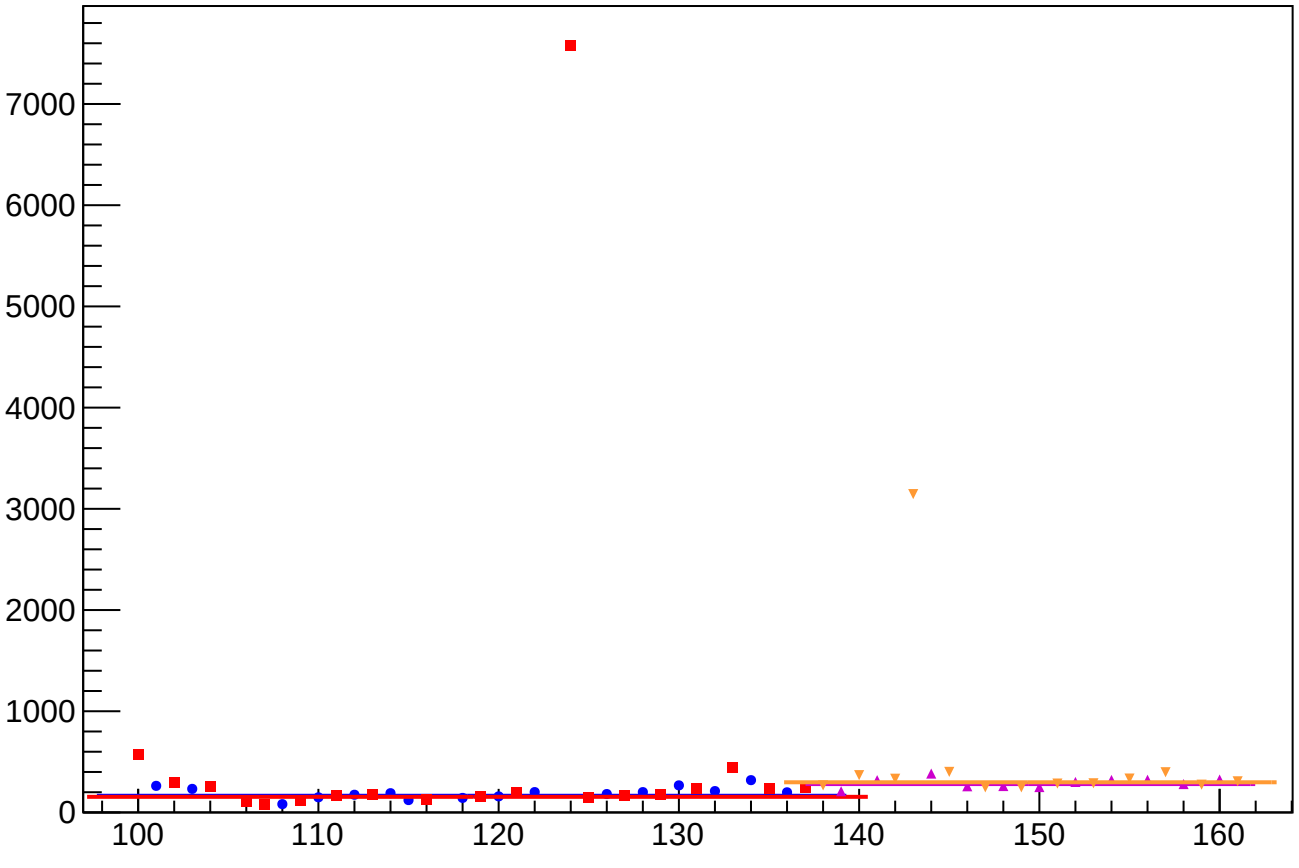
Left: 0.012+/-0.067 χ^2/NDF: 33.1/23

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.043+/-0.054 χ^2/NDF:37.1/31

All: -0.002+/-0.038 χ^2/NDF: 60.6/58



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 298.208+/-0.069 χ^2/NDF:1809294.7/12

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

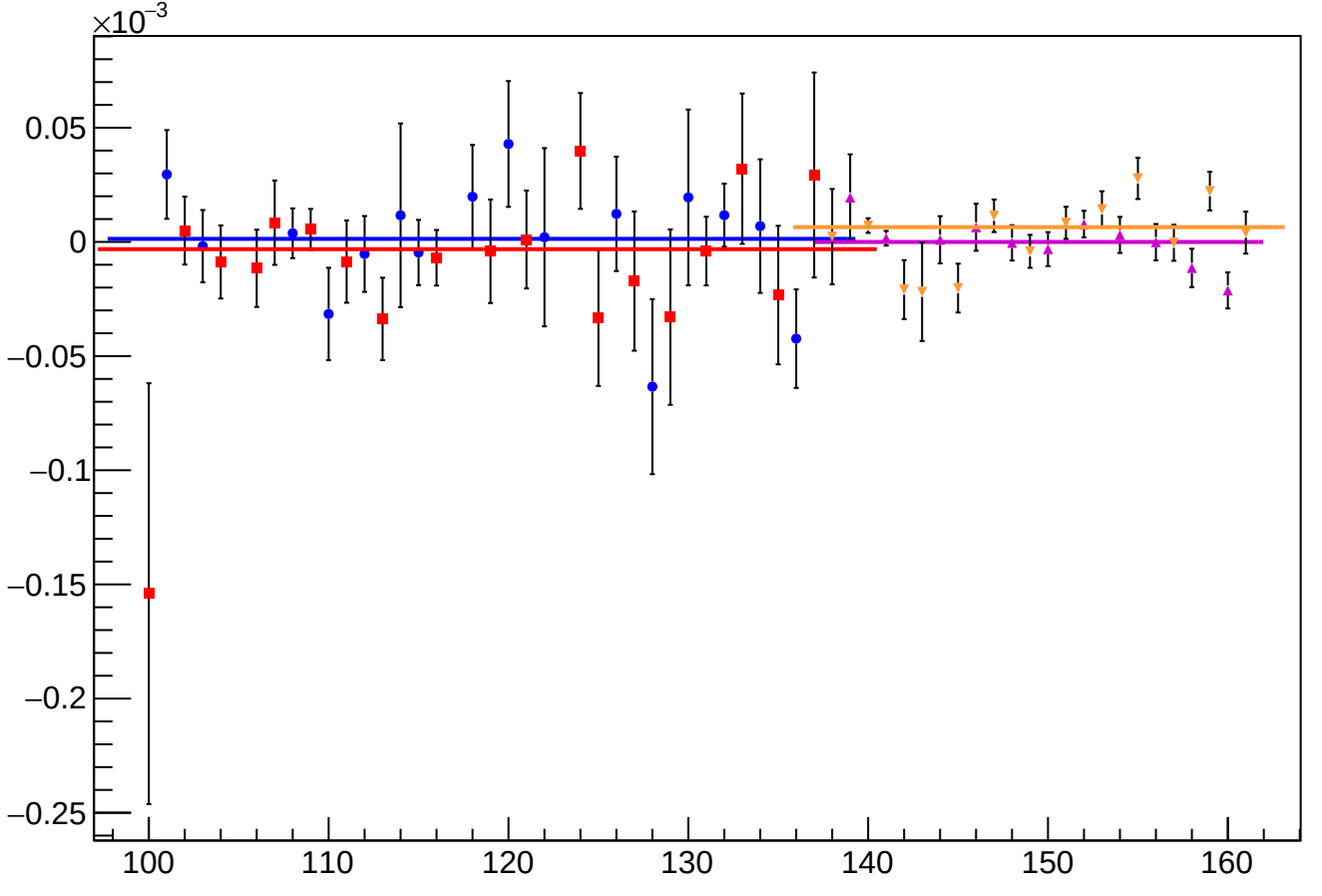
Left: 288.892+/-0.048 χ^2/NDF: 2318725.0/23

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 204.037+/-0.038 χ^2/NDF:4004150.4/26

Out: 197.924+/-0.038 χ^2/NDF:6749778.9/31

All: 200.968+/-0.027 χ^2/NDF: 10766793.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/10

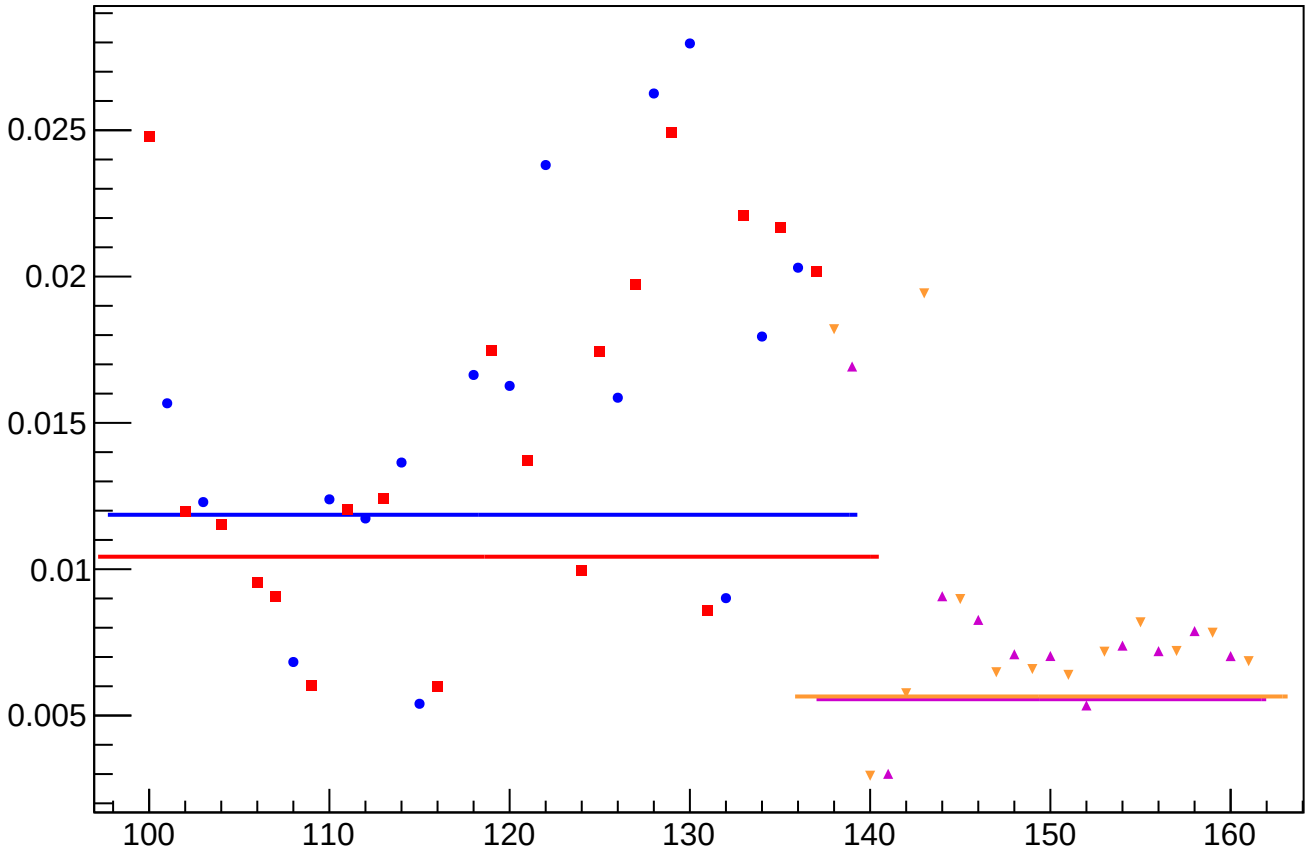
Left: 0.000+/-0.000 χ^2/NDF: 44.2/23

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.1/26

Out: 0.000+/-0.000 χ^2/NDF:44.9/31

All: 0.000+/-0.000 χ^2/NDF: 77.0/58



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:3713881.7/12

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2934325.1/10

Left: 0.006+/-0.000 χ^2/NDF: 6650330.2/23

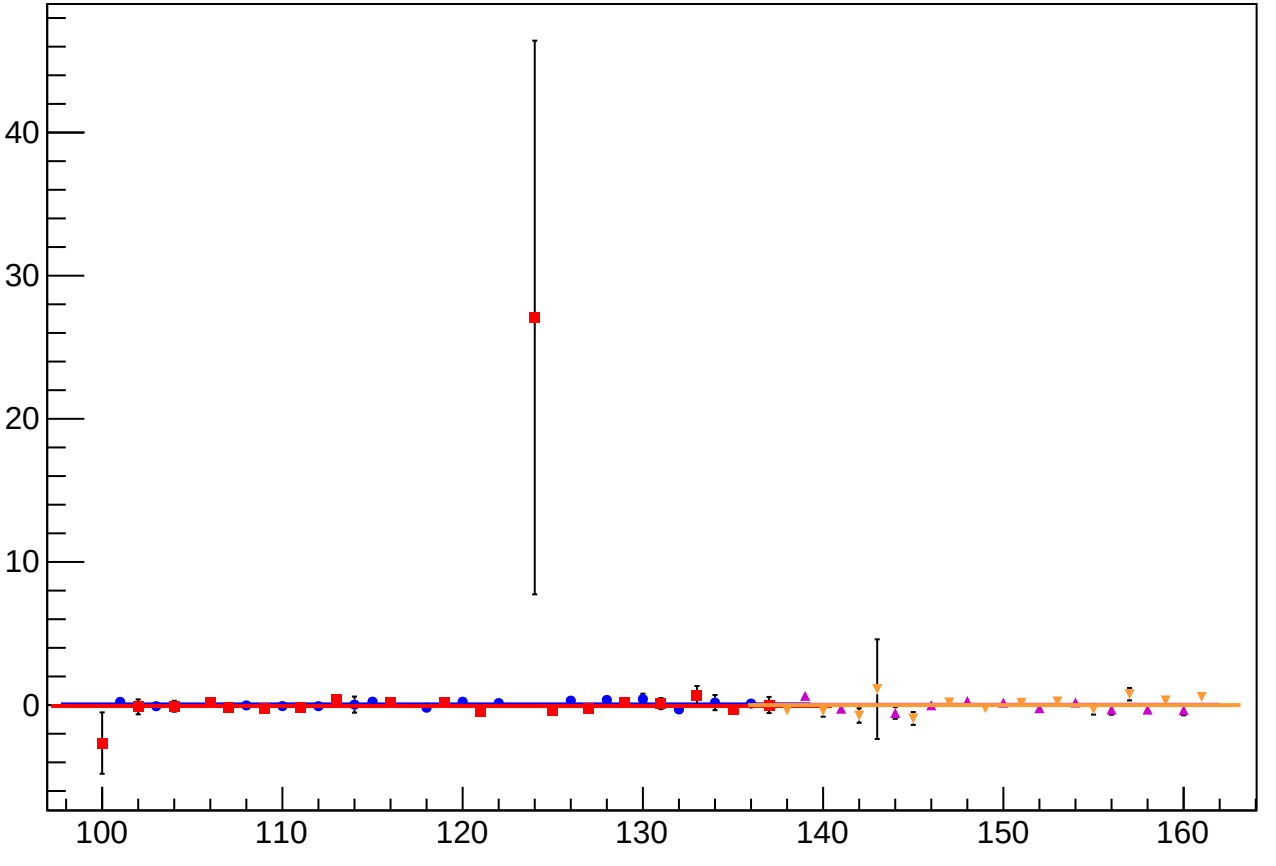
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8195507.0/26

Out: 0.007+/-0.000 χ^2/NDF:8139352.8/31

All: 0.007+/-0.000 χ^2/NDF: 16335685.3/58

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.022+/-0.093 χ^2/NDF:14.6/10

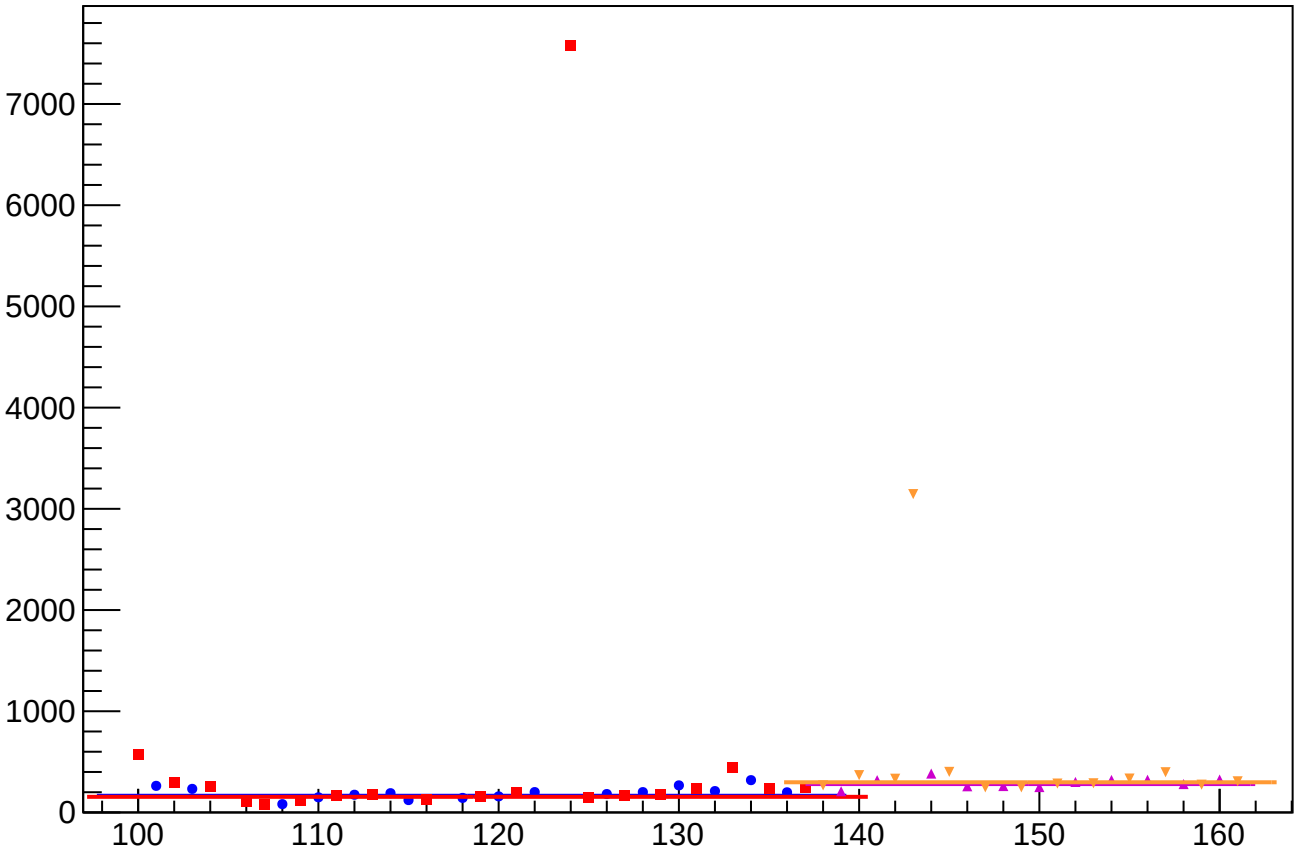
Left: 0.012+/-0.067 χ^2/NDF: 33.1/23

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.043+/-0.054 χ^2/NDF:37.1/31

All: -0.002+/-0.038 χ^2/NDF: 60.6/58



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 298.212+/-0.069 χ^2/NDF:1809265.6/12

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

Left: 288.896+/-0.048 χ^2/NDF: 2318666.2/23

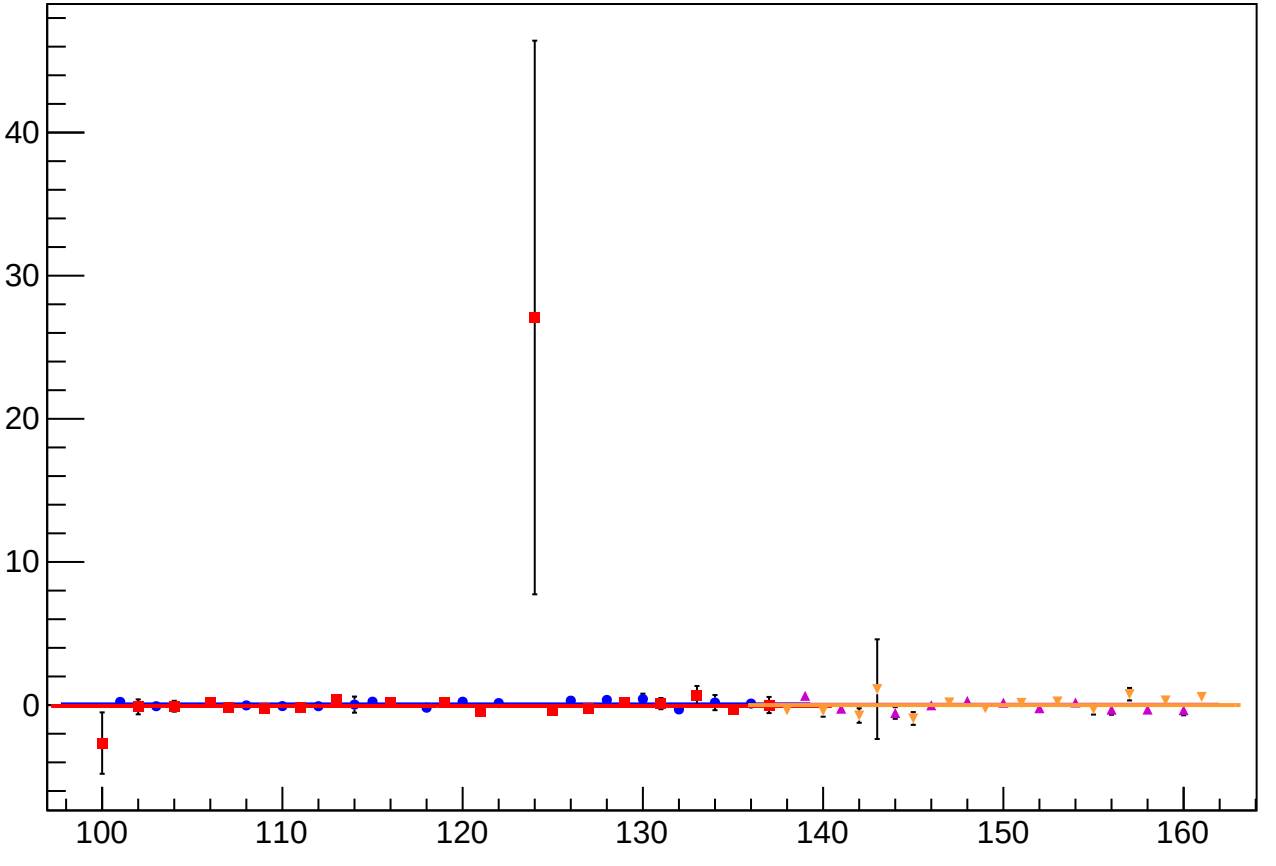
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 204.037+/-0.038 χ^2/NDF:4004195.3/26

Out: 197.925+/-0.038 χ^2/NDF:6749898.1/31

All: 200.968+/-0.027 χ^2/NDF: 10766958.2/58

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: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.022+/-0.093 χ^2/NDF:14.6/10

Left: 0.012+/-0.067 χ^2/NDF: 33.1/23

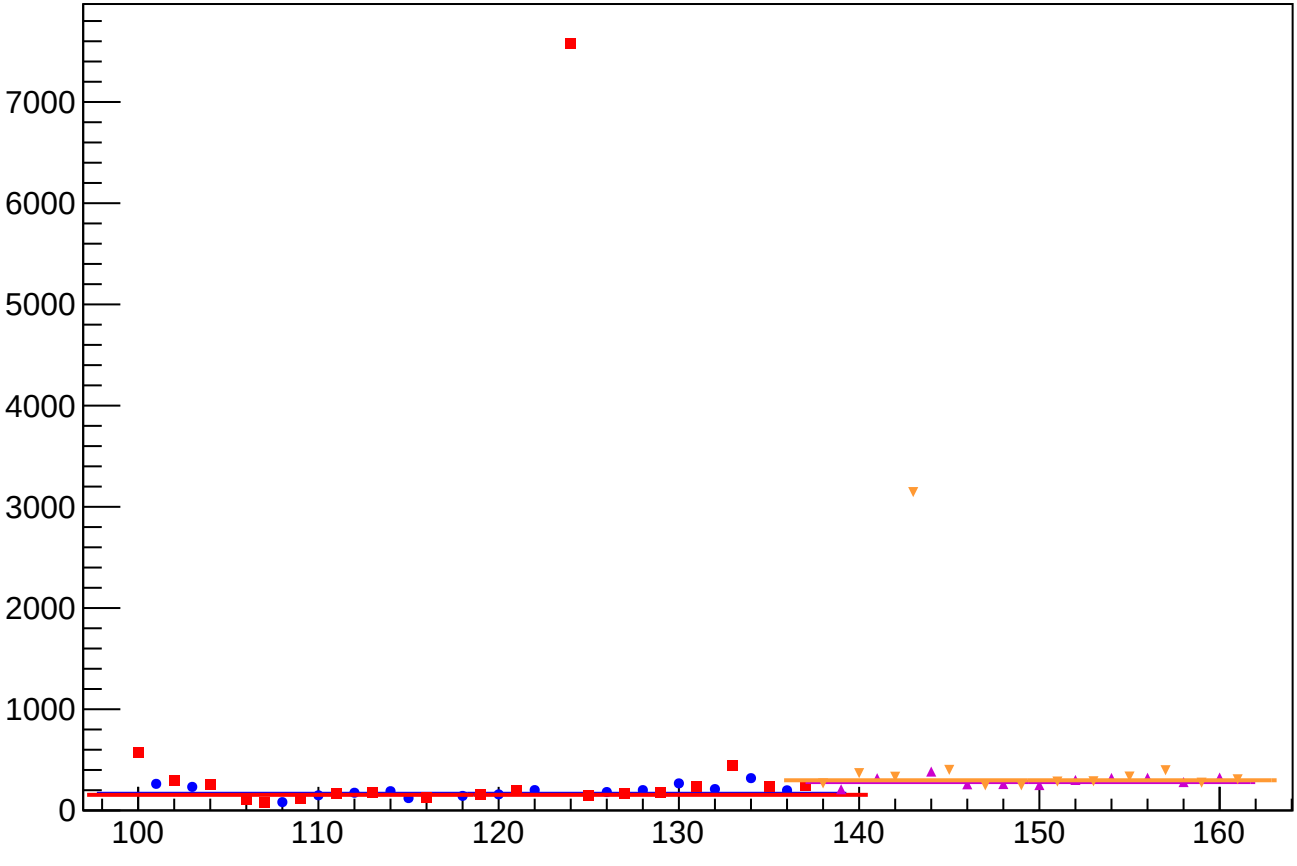
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.039+/-0.054 χ^2/NDF:22.3/26

Out: -0.043+/-0.054 χ^2/NDF:37.1/31

All: -0.002+/-0.038 χ^2/NDF: 60.6/58

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: 298.212+/-0.069 χ^2/NDF:1809265.6/12

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

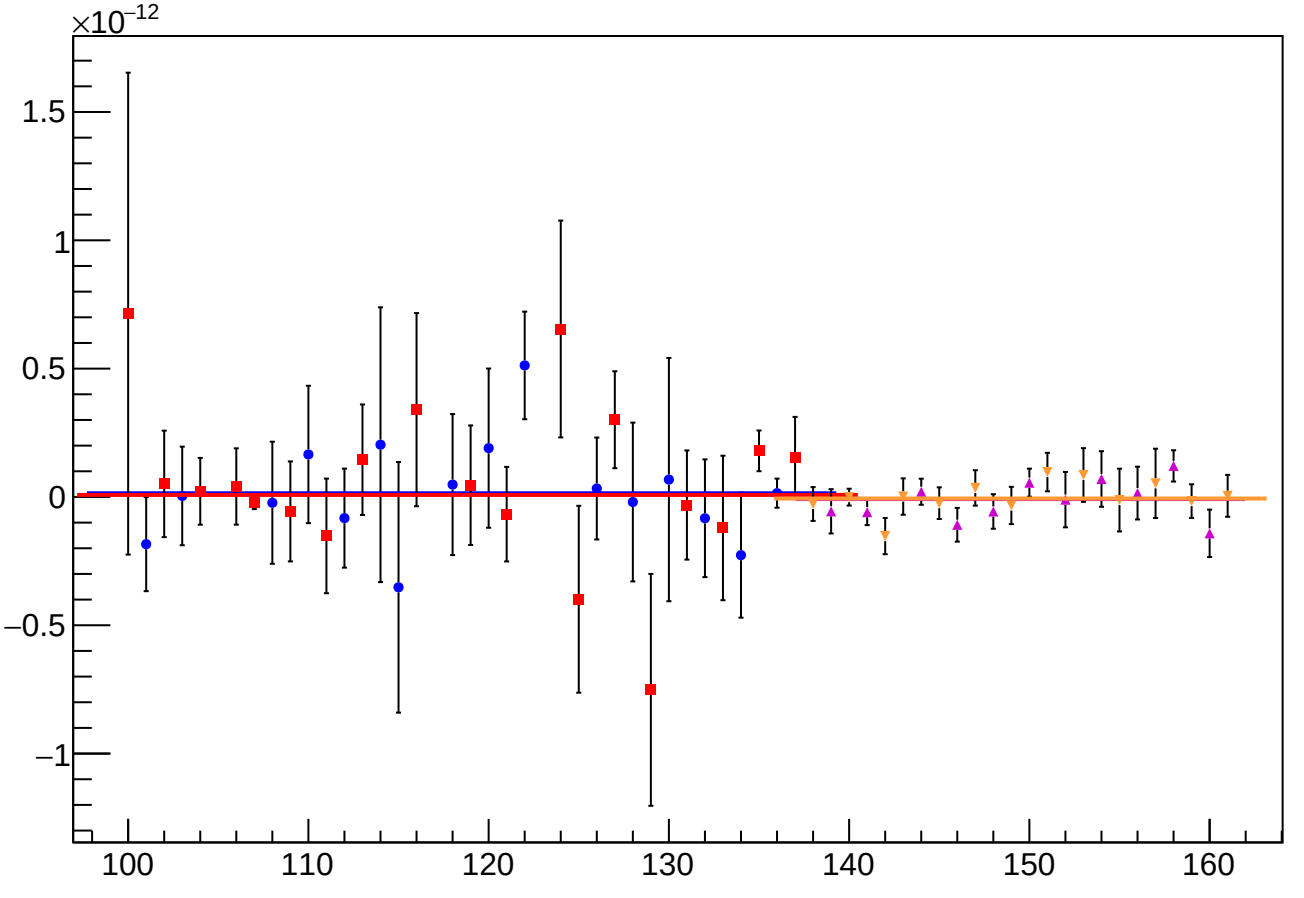
Left: 288.896+/-0.048 χ^2/NDF: 2318666.2/23

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 204.037+/-0.038 χ^2/NDF:4004195.3/26

Out: 197.925+/-0.038 χ^2/NDF:6749898.1/31

All: 200.968+/-0.027 χ^2/NDF: 10766958.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/10

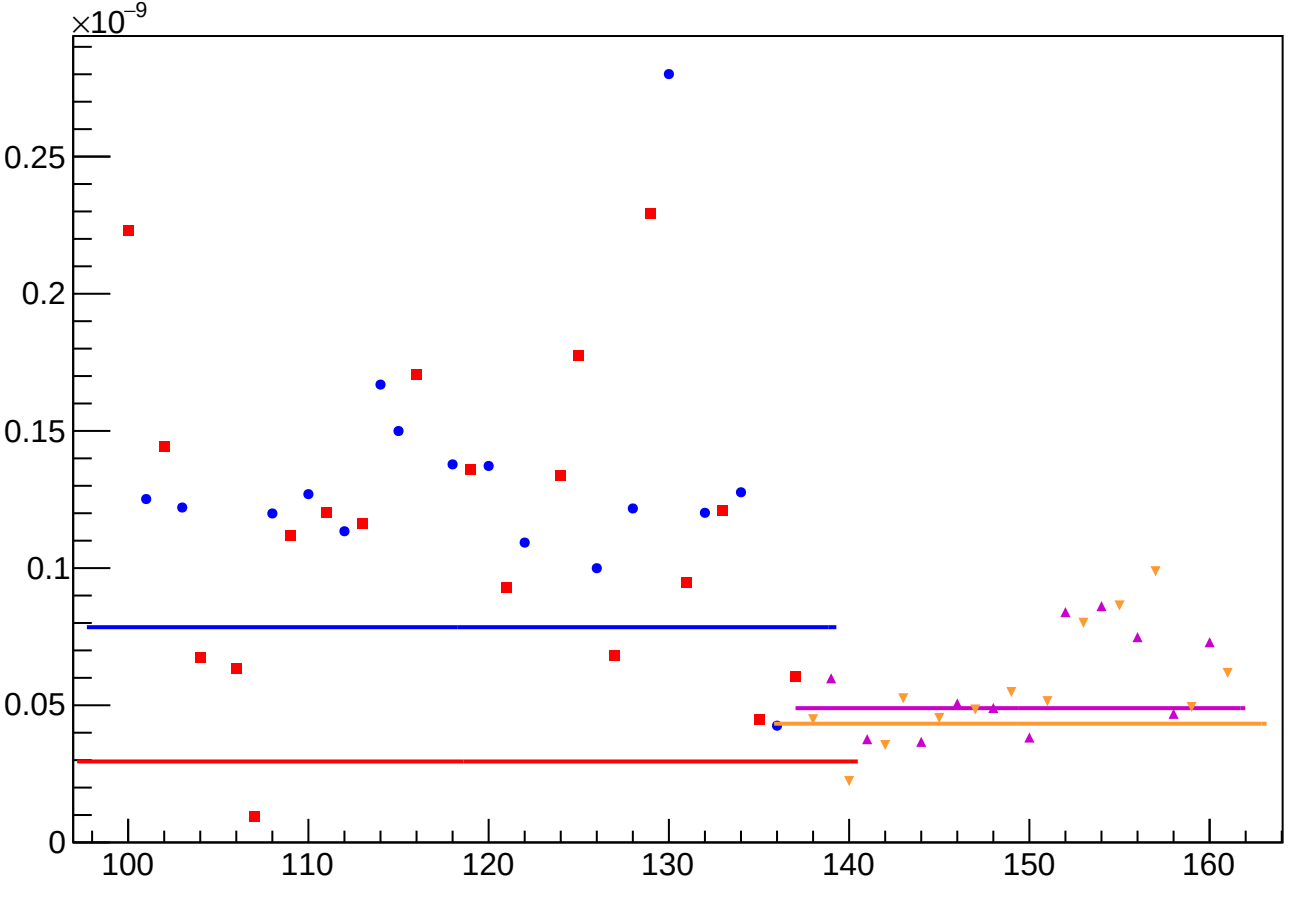
Left: -0.000+/-0.000 χ^2/NDF: 20.9/23

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:22.9/26

Out: -0.000+/-0.000 χ^2/NDF:26.5/31

All: -0.000+/-0.000 χ^2/NDF: 49.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915164.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1037106.9/10

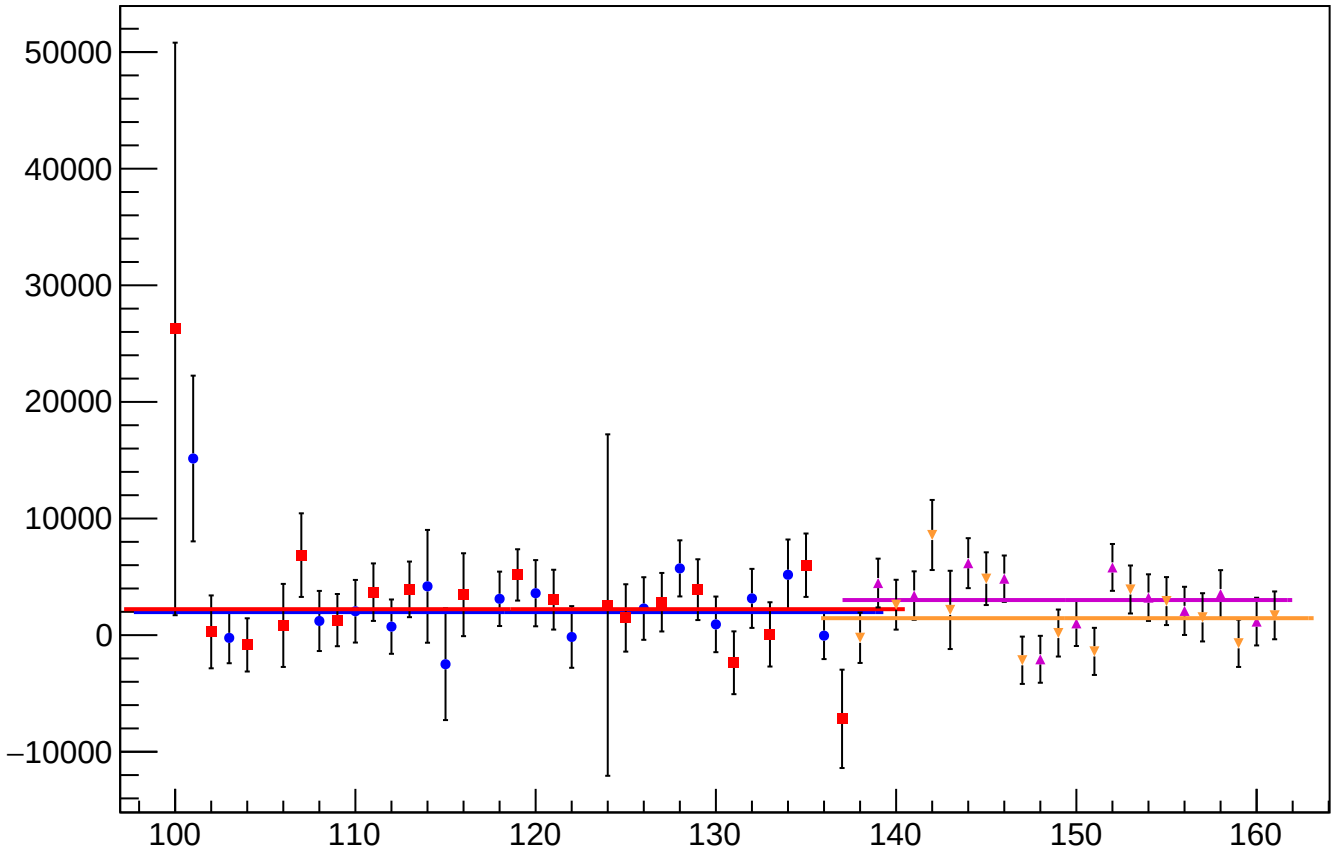
Left: 0.000+/-0.000 χ^2/NDF: 3036878.0/23

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3923269.2/26

Out: 0.000+/-0.000 χ^2/NDF:7843228.7/31

All: 0.000+/-0.000 χ^2/NDF: 12778611.9/58



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.228+/-603.060 χ^2/NDF:17.5/12

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3009.861+/-613.934 χ^2/NDF:14.0/10

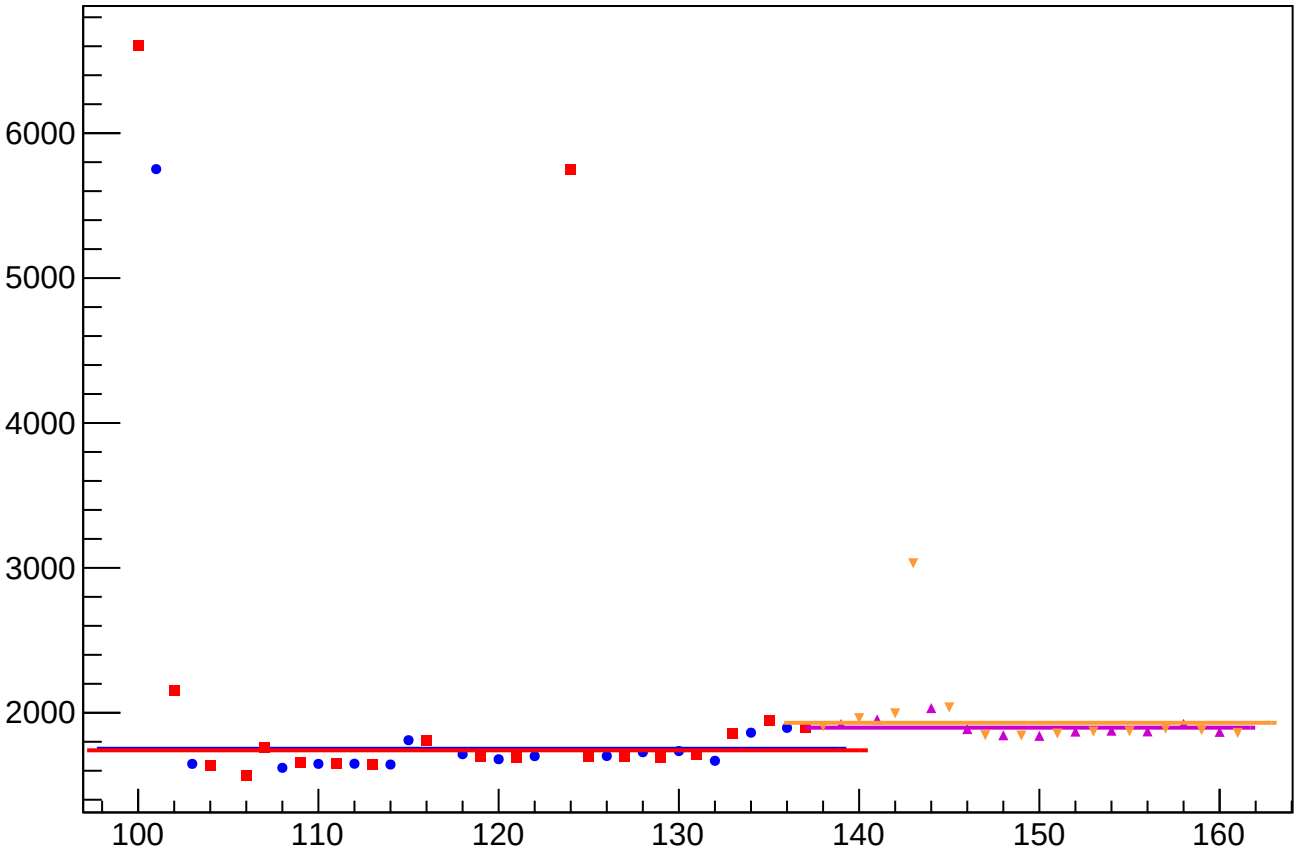
Left: 2218.146+/-430.221 χ^2/NDF: 34.7/23

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2536.370+/-451.934 χ^2/NDF:27.4/26

Out: 1807.631+/-444.054 χ^2/NDF:37.2/31

All: 2165.593+/-316.743 χ^2/NDF: 65.9/58



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1930.978+/-0.426 χ^2/NDF:238985.8/12

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

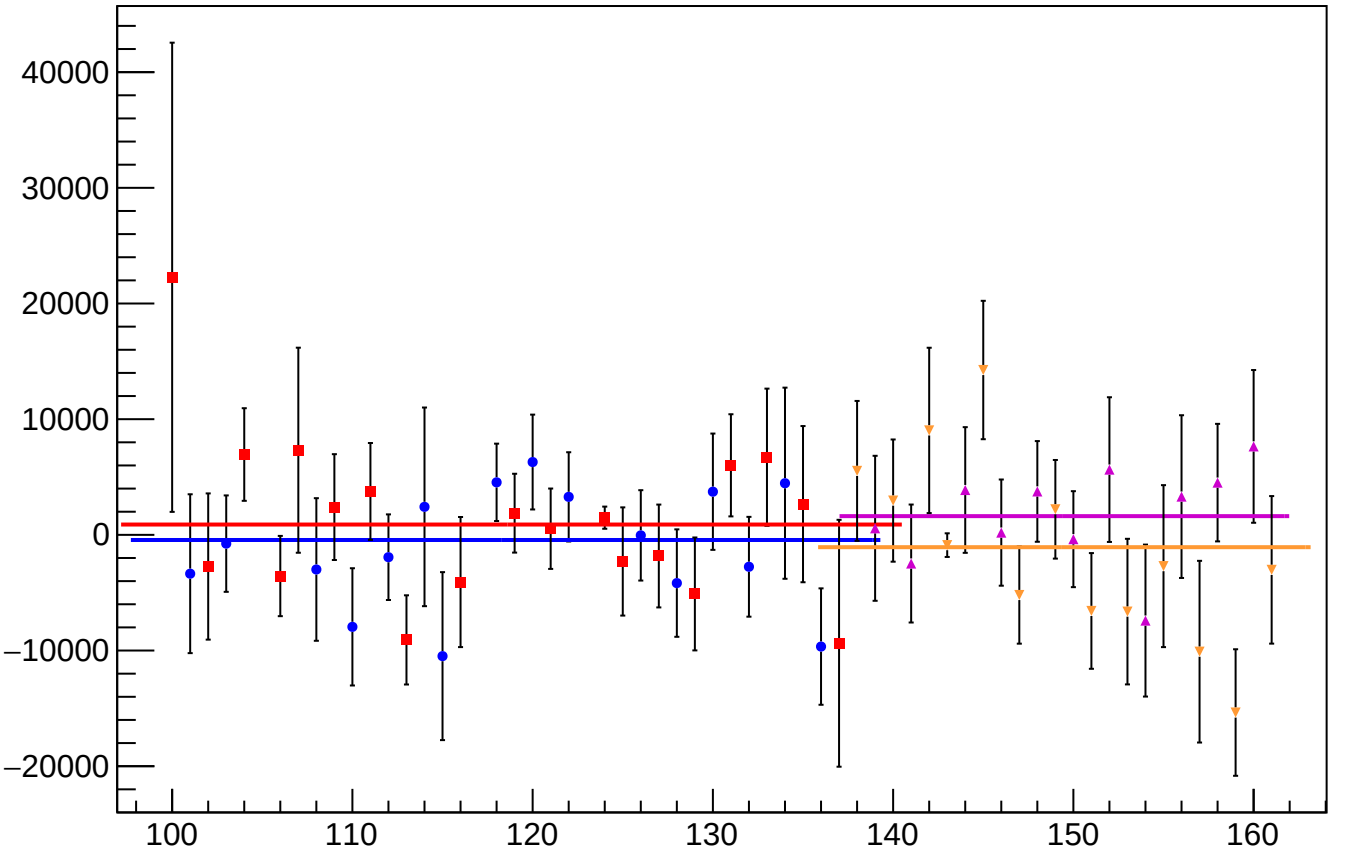
Left: 1914.465+/-0.304 χ^2/NDF: 256521.6/23

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1830.583+/-0.320 χ^2/NDF:736768.7/26

Out: 1843.332+/-0.313 χ^2/NDF:635184.8/31

All: 1837.091+/-0.224 χ^2/NDF: 1372766.0/58



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1065.937+/-864.280 χ^2/NDF:22.2/12

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1618.257+/-1607.918 χ^2/NDF:4.9/10

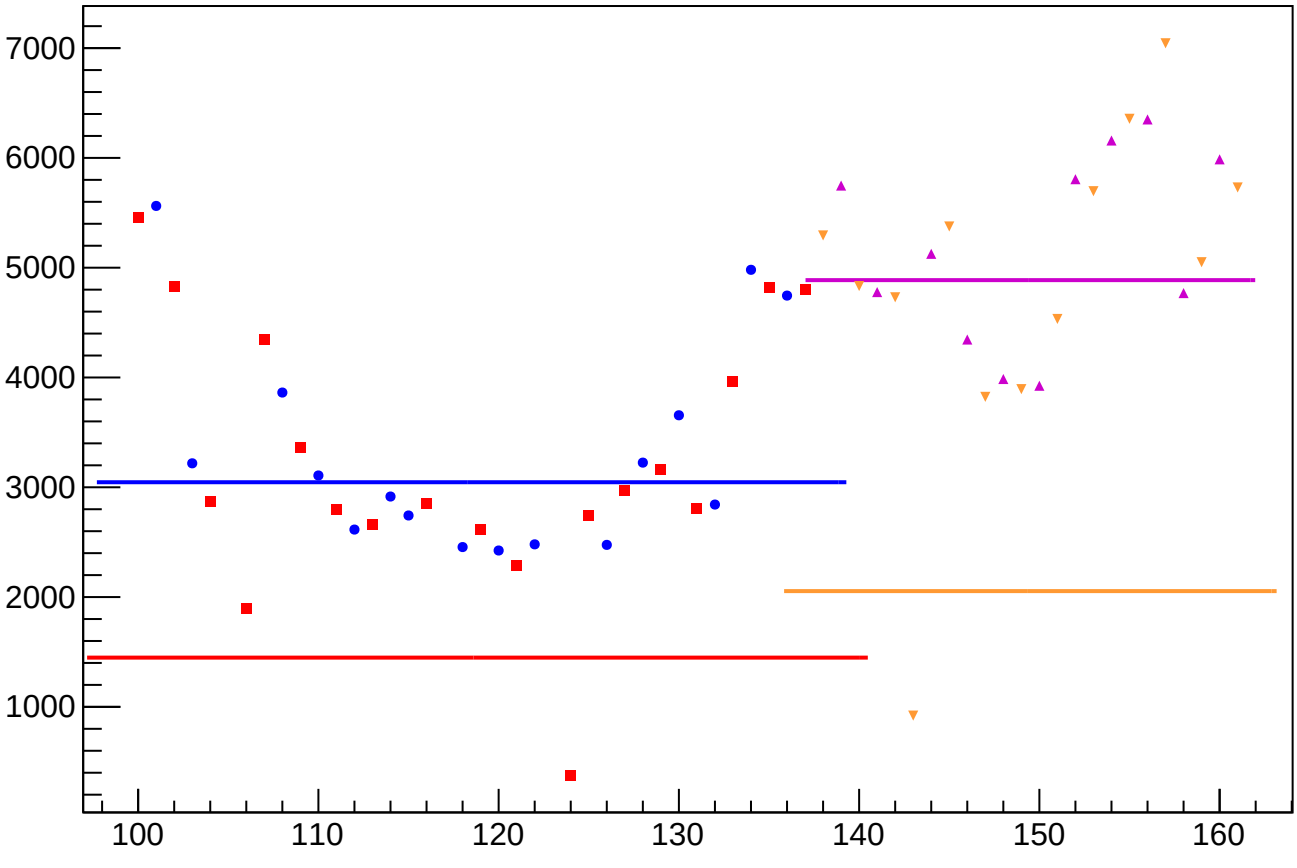
Left: -464.253+/-761.275 χ^2/NDF: 29.3/23

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 273.280+/-948.399 χ^2/NDF:21.9/26

Out: 82.487+/-555.782 χ^2/NDF:45.3/31

All: 131.260+/-479.511 χ^2/NDF: 67.3/58



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2054.255+/-0.611 χ^2/NDF:9198435.5/12

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4886.736+/-1.137 χ^2/NDF:524890.9/10

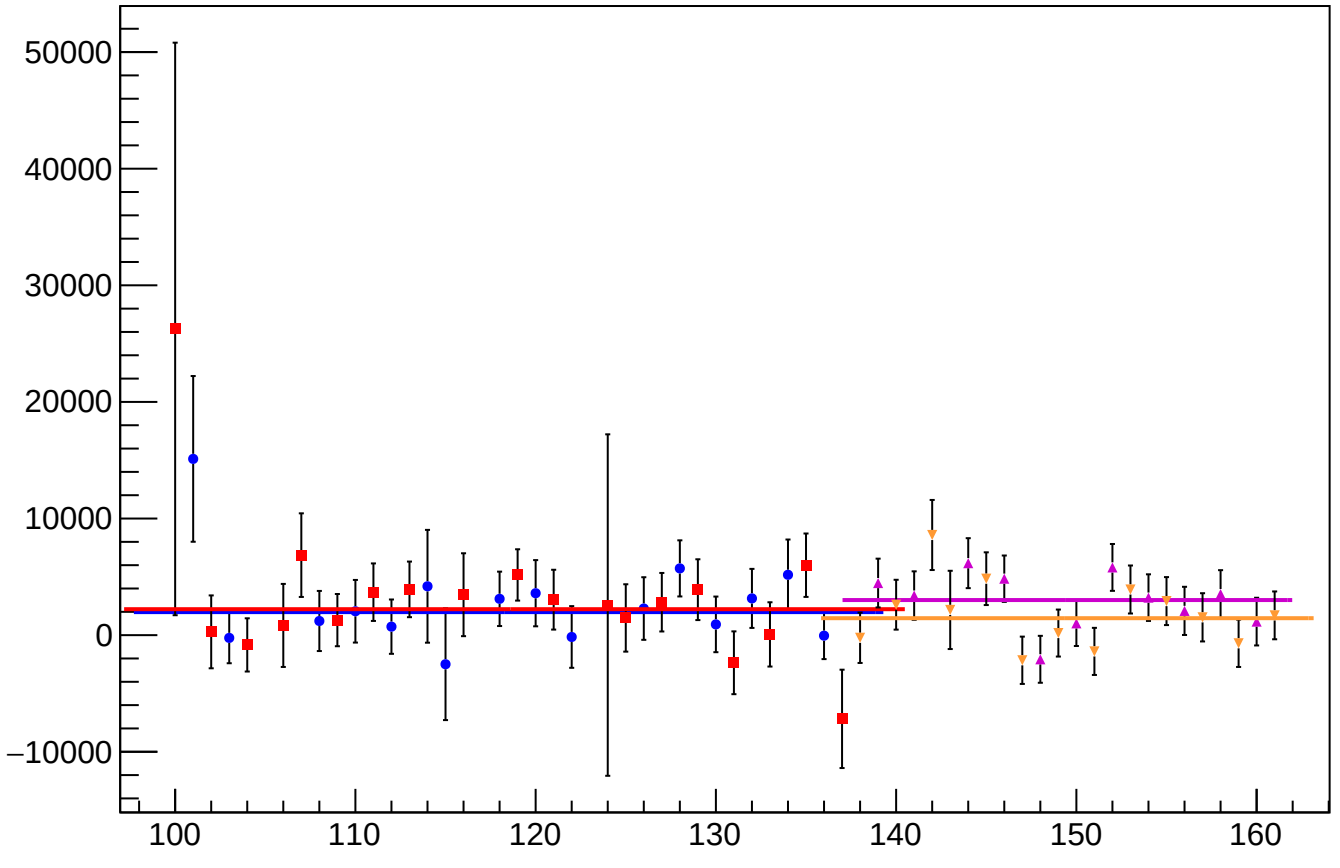
Left: 2689.179+/-0.538 χ^2/NDF: 14538469.7/23

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3686.338+/-0.671 χ^2/NDF:3141655.3/26

Out: 1699.005+/-0.393 χ^2/NDF:16561513.9/31

All: 2207.030+/-0.339 χ^2/NDF: 26240144.1/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.290+/-603.060 χ^2/NDF:17.5/12

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3009.921+/-613.934 χ^2/NDF:14.0/10

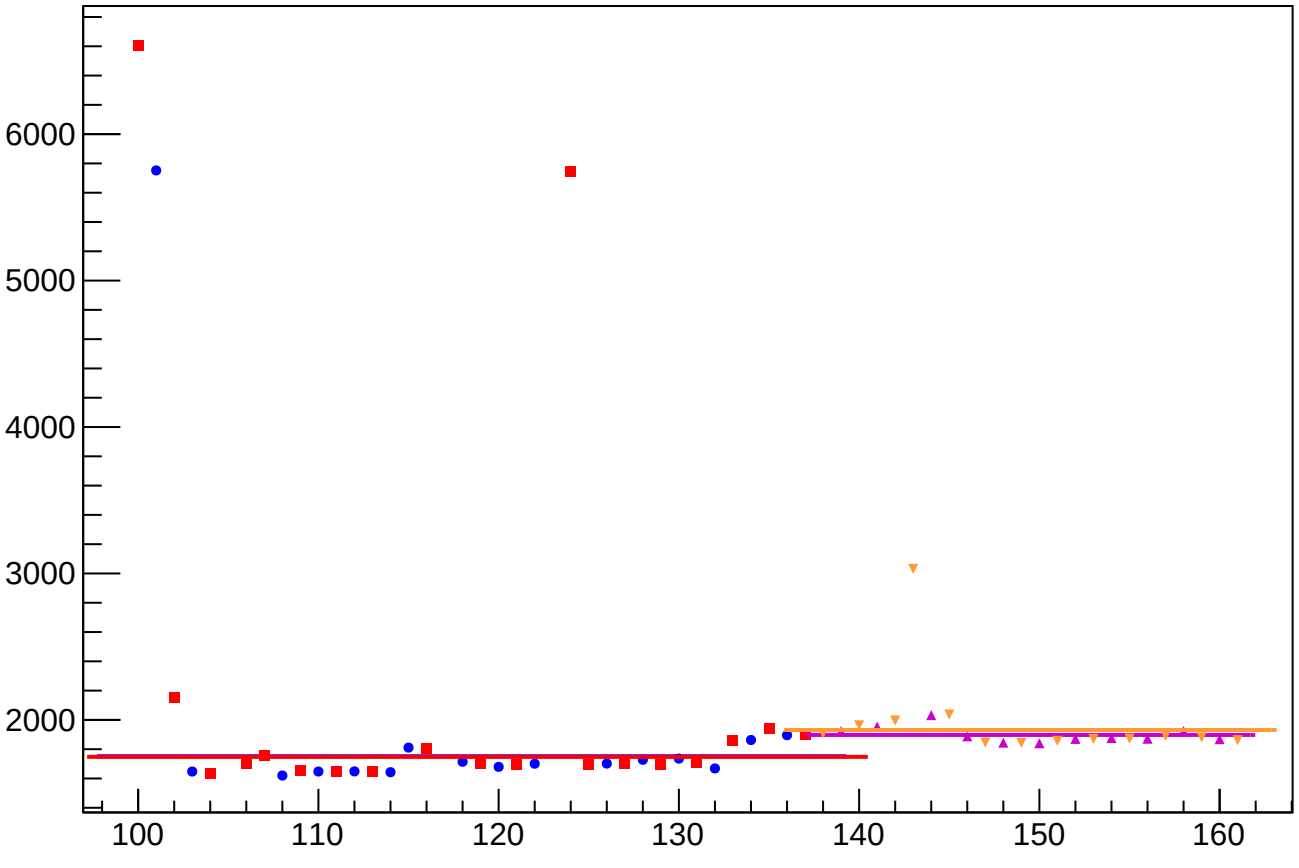
Left: 2218.207+/-430.221 χ^2/NDF: 34.7/23

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2536.241+/-451.934 χ^2/NDF:27.4/26

Out: 1807.709+/-444.054 χ^2/NDF:37.2/31

All: 2165.569+/-316.743 χ^2/NDF: 65.9/58



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1930.979+/-0.426 χ^2/NDF:238985.8/12

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

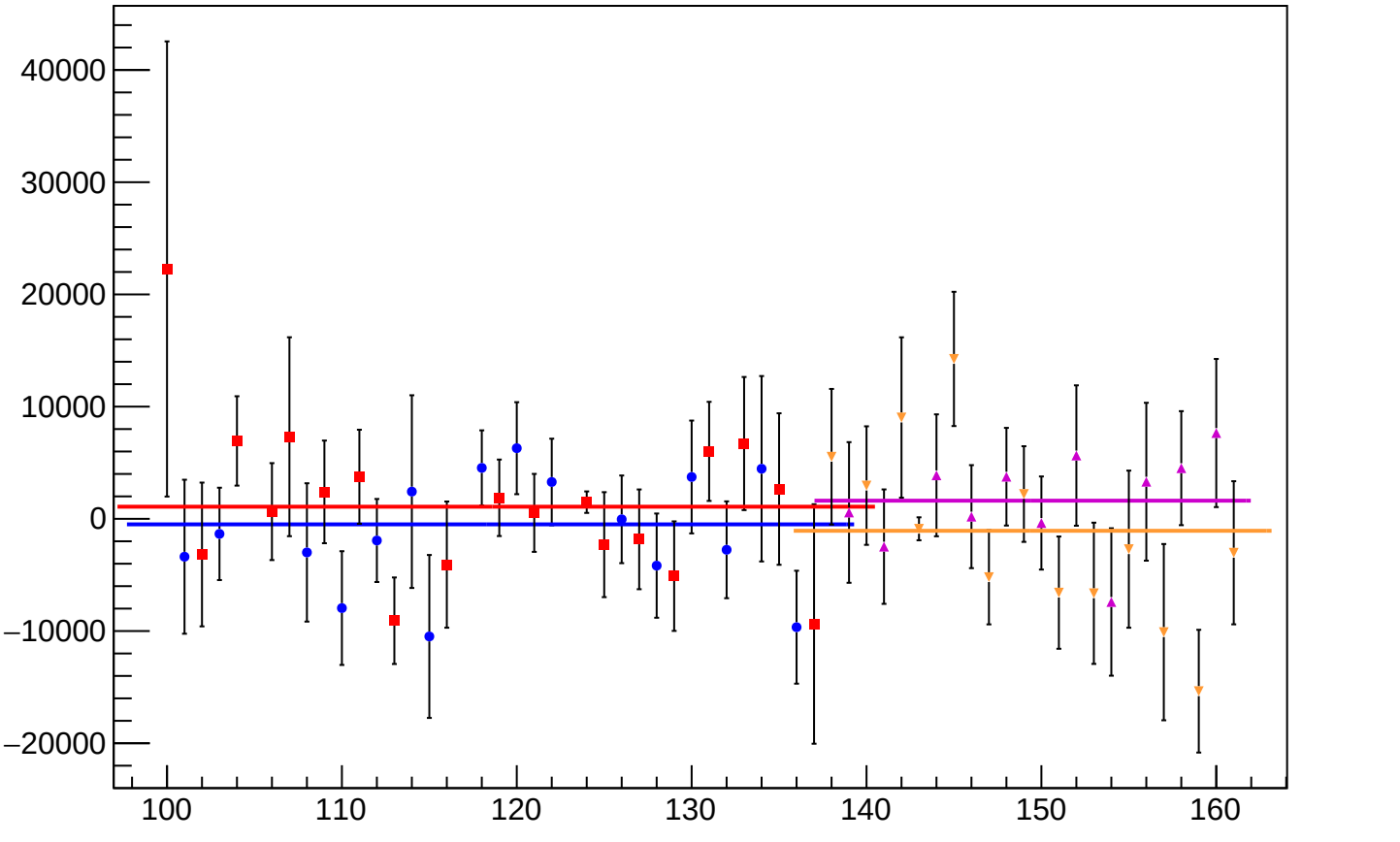
Left: 1914.465+/-0.304 χ^2/NDF: 256521.6/23

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1830.583+/-0.320 χ^2/NDF:736769.2/26

Out: 1846.770+/-0.313 χ^2/NDF:621737.9/31

All: 1838.833+/-0.224 χ^2/NDF: 1359814.7/58



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1065.736+/-864.255 χ^2/NDF:22.2/12

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1618.320+/-1607.918 χ^2/NDF:4.9/10

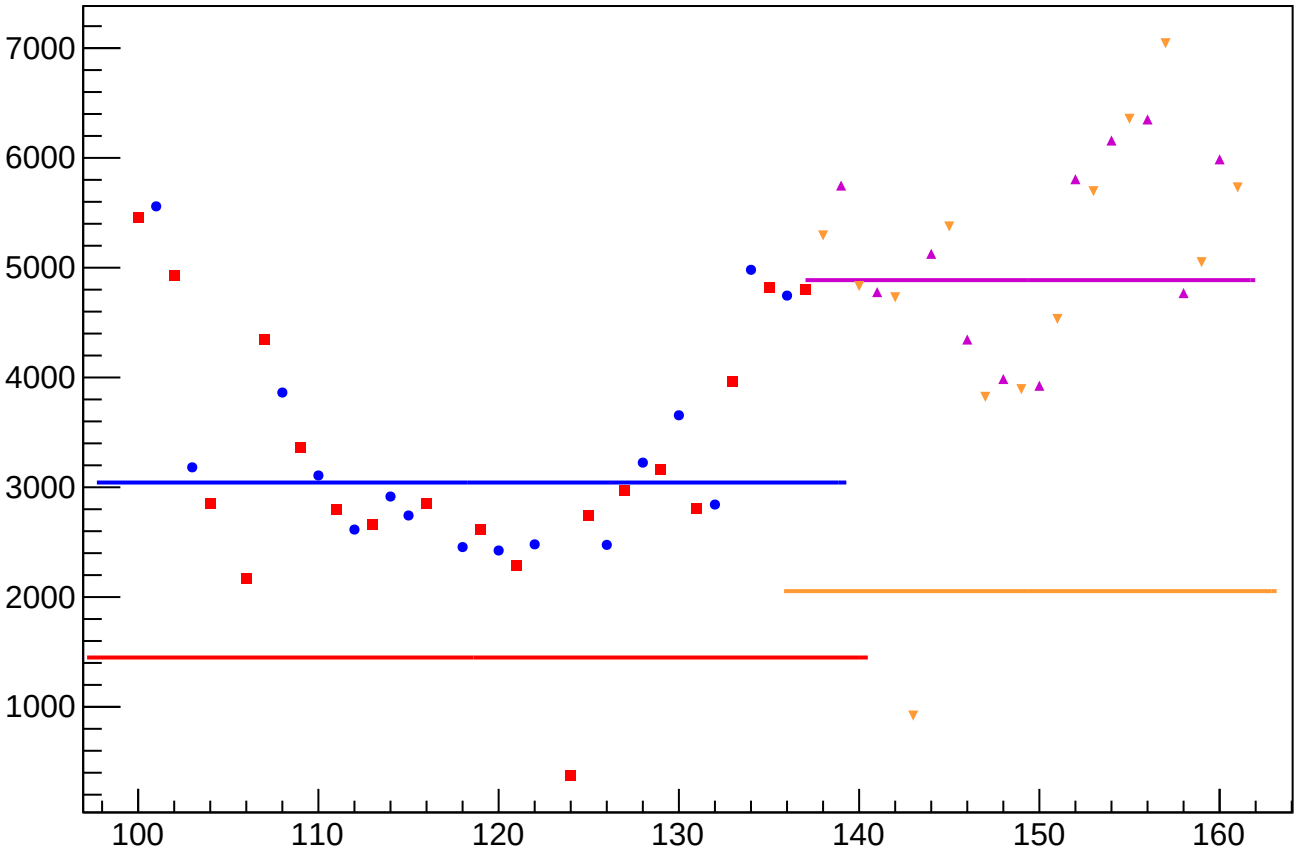
Left: -464.110+/-761.257 χ^2/NDF: 29.3/23

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 240.596+/-947.762 χ^2/NDF:22.0/26

Out: 185.013+/-558.332 χ^2/NDF:44.3/31

All: 199.333+/-481.063 χ^2/NDF: 66.3/58



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2054.161+/-0.611 χ^2/NDF:9198793.8/12

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

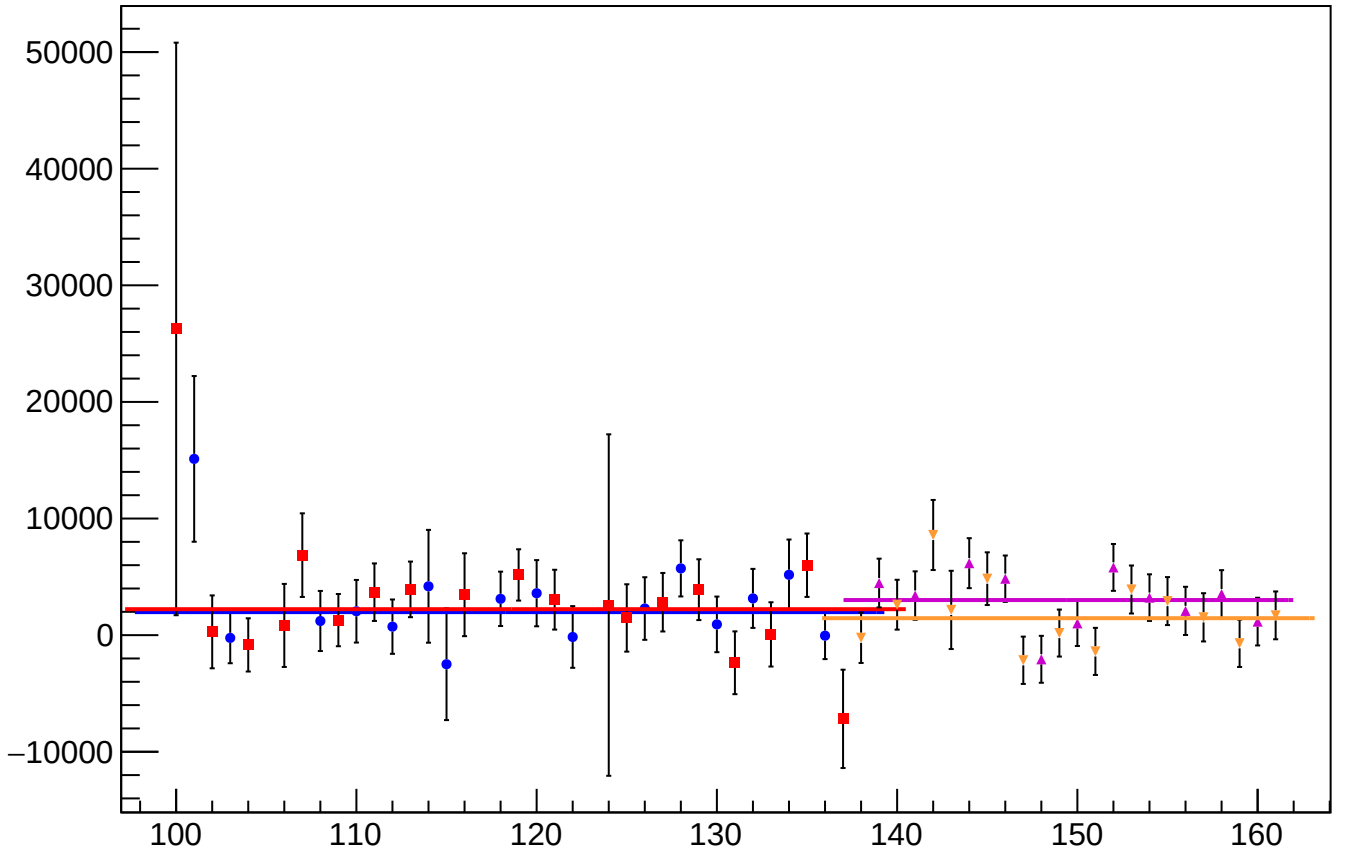
Left: 2689.077+/-0.538 χ^2/NDF: 14539209.1/23

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3683.750+/-0.670 χ^2/NDF:3146078.4/26

Out: 1701.865+/-0.395 χ^2/NDF:16594877.7/31

All: 2212.468+/-0.340 χ^2/NDF: 26233363.6/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.290+/-603.060 χ^2/NDF:17.5/12

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3009.921+/-613.934 χ^2/NDF:14.0/10

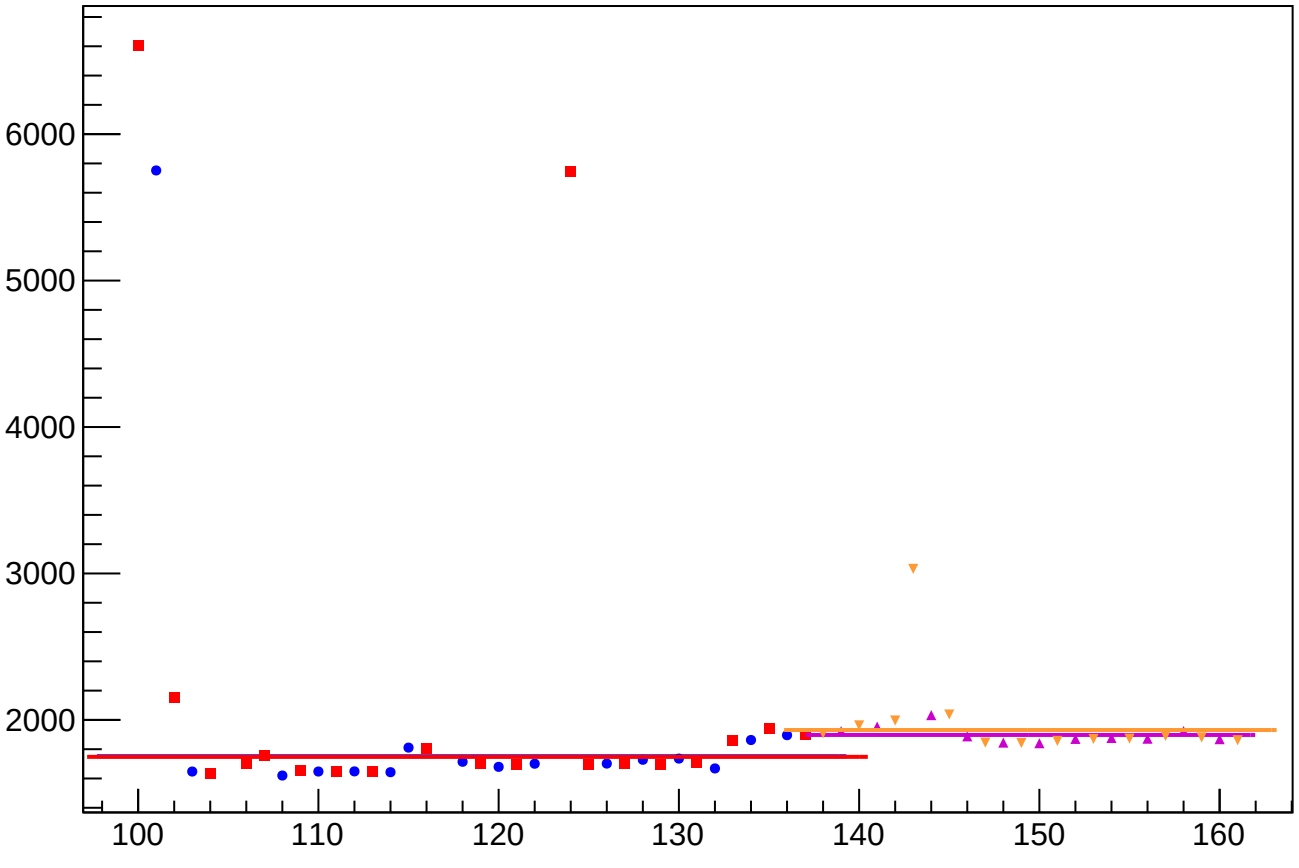
Left: 2218.207+/-430.221 χ^2/NDF: 34.7/23

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2536.241+/-451.934 χ^2/NDF:27.4/26

Out: 1807.709+/-444.054 χ^2/NDF:37.2/31

All: 2165.569+/-316.743 χ^2/NDF: 65.9/58



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1930.979+/-0.426 χ^2/NDF:238985.8/12

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

Left: 1914.465+/-0.304 χ^2/NDF: 256521.6/23

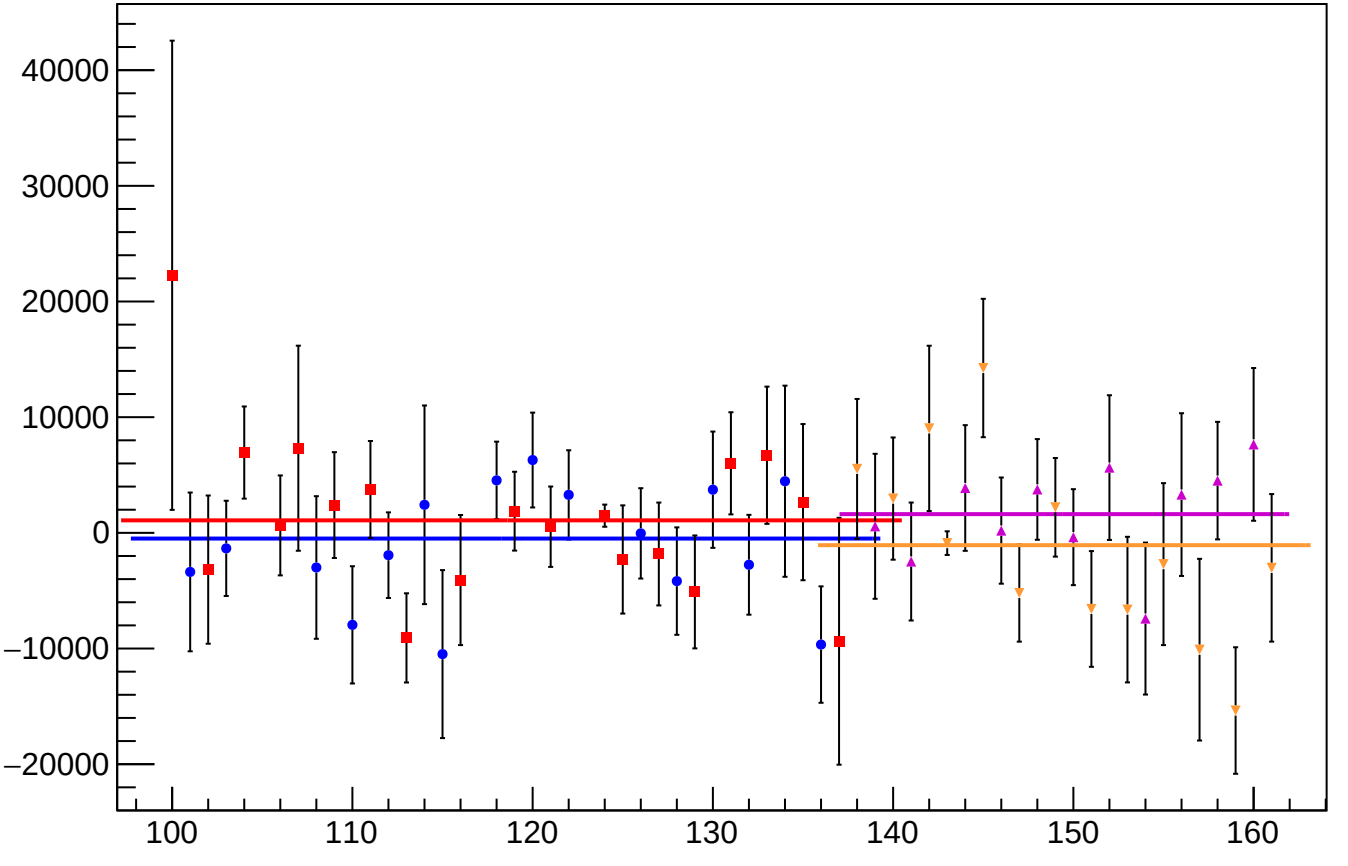
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1830.583+/-0.320 χ^2/NDF:736769.2/26

Out: 1846.770+/-0.313 χ^2/NDF:621737.9/31

All: 1838.833+/-0.224 χ^2/NDF: 1359814.7/58

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: -1065.736+/-864.255 χ^2/NDF:22.2/12

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1618.320+/-1607.918 χ^2/NDF:4.9/10

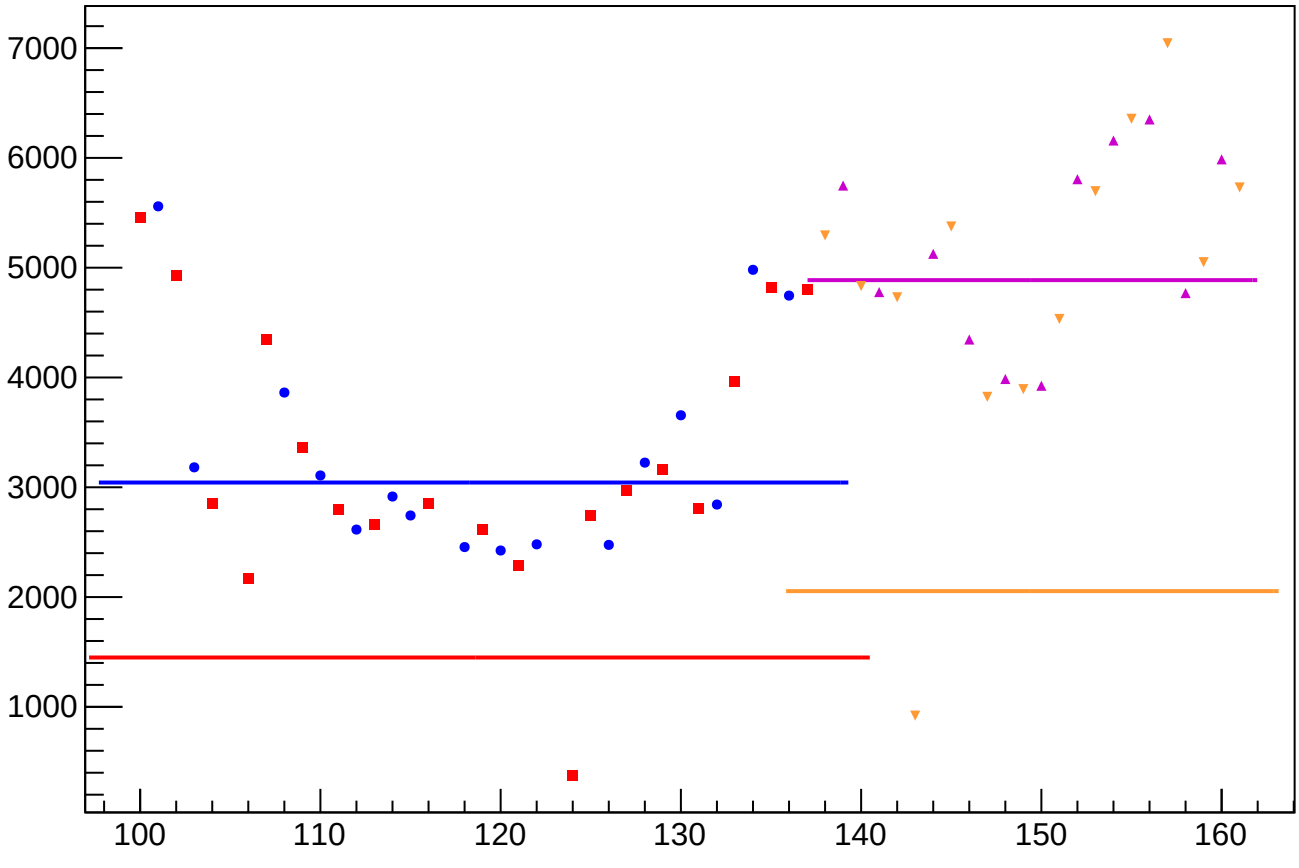
Left: -464.110+/-761.257 χ^2/NDF: 29.3/23

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 240.596+/-947.762 χ^2/NDF:22.0/26

Out: 185.013+/-558.332 χ^2/NDF:44.3/31

All: 199.333+/-481.063 χ^2/NDF: 66.3/58



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2054.161+/-0.611 χ^2/NDF:9198793.8/12

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

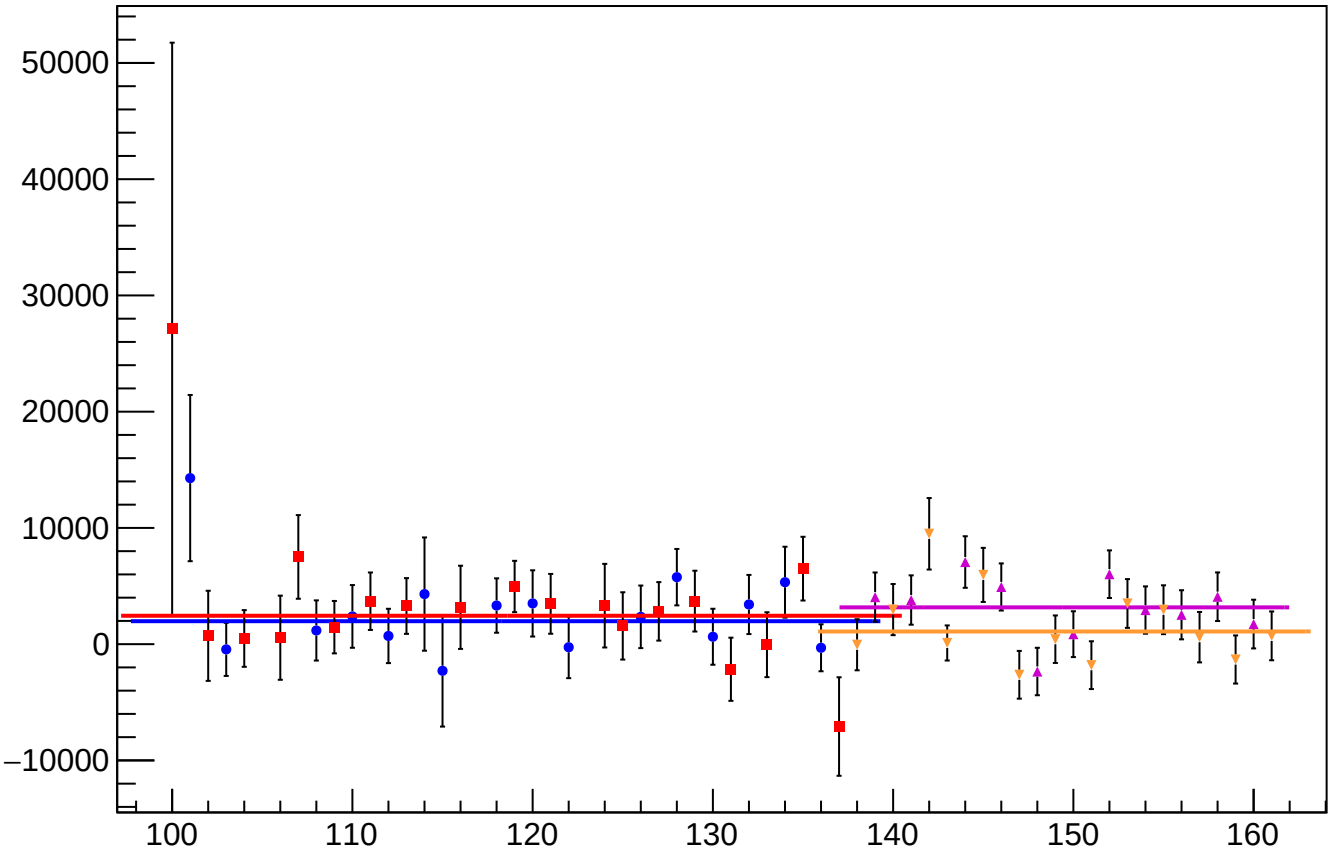
Left: 2689.077+/-0.538 χ^2/NDF: 14539209.1/23

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3683.750+/-0.670 χ^2/NDF:3146078.4/26

Out: 1701.865+/-0.395 χ^2/NDF:16594877.7/31

All: 2212.468+/-0.340 χ^2/NDF: 26233363.6/5



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1090.184+/-579.076 χ^2/NDF:22.2/12

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3166.386+/-626.258 χ^2/NDF:15.5/10

Left: 2047.137+/-425.172 χ^2/NDF: 43.6/23

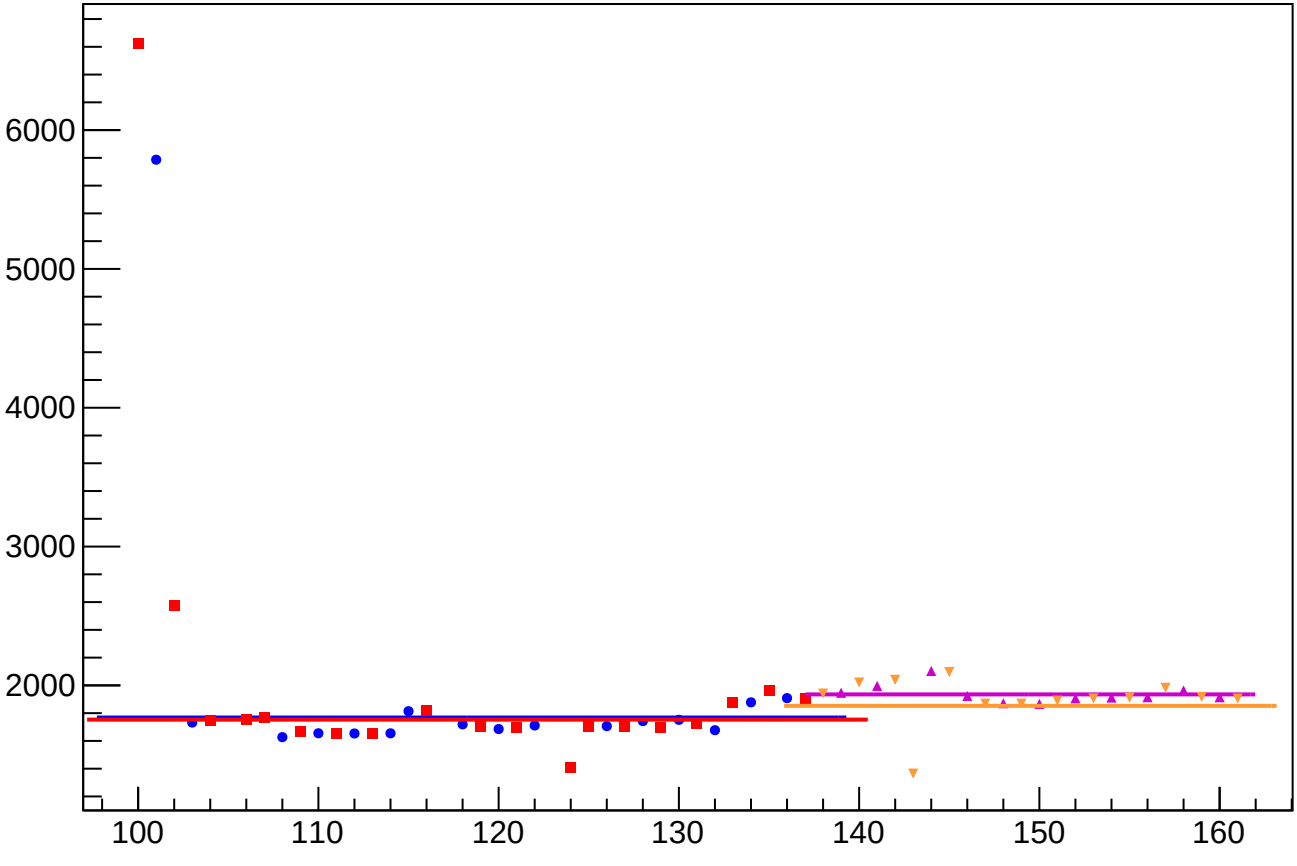
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2614.827+/-458.809 χ^2/NDF:29.6/26

Out: 1681.479+/-434.617 χ^2/NDF:42.1/31

All: 2122.898+/-315.527 χ^2/NDF: 73.8/58

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1852.644+/-0.409 χ^2/NDF:267606.1/12

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1935.135+/-0.443 χ^2/NDF:19131.4/10

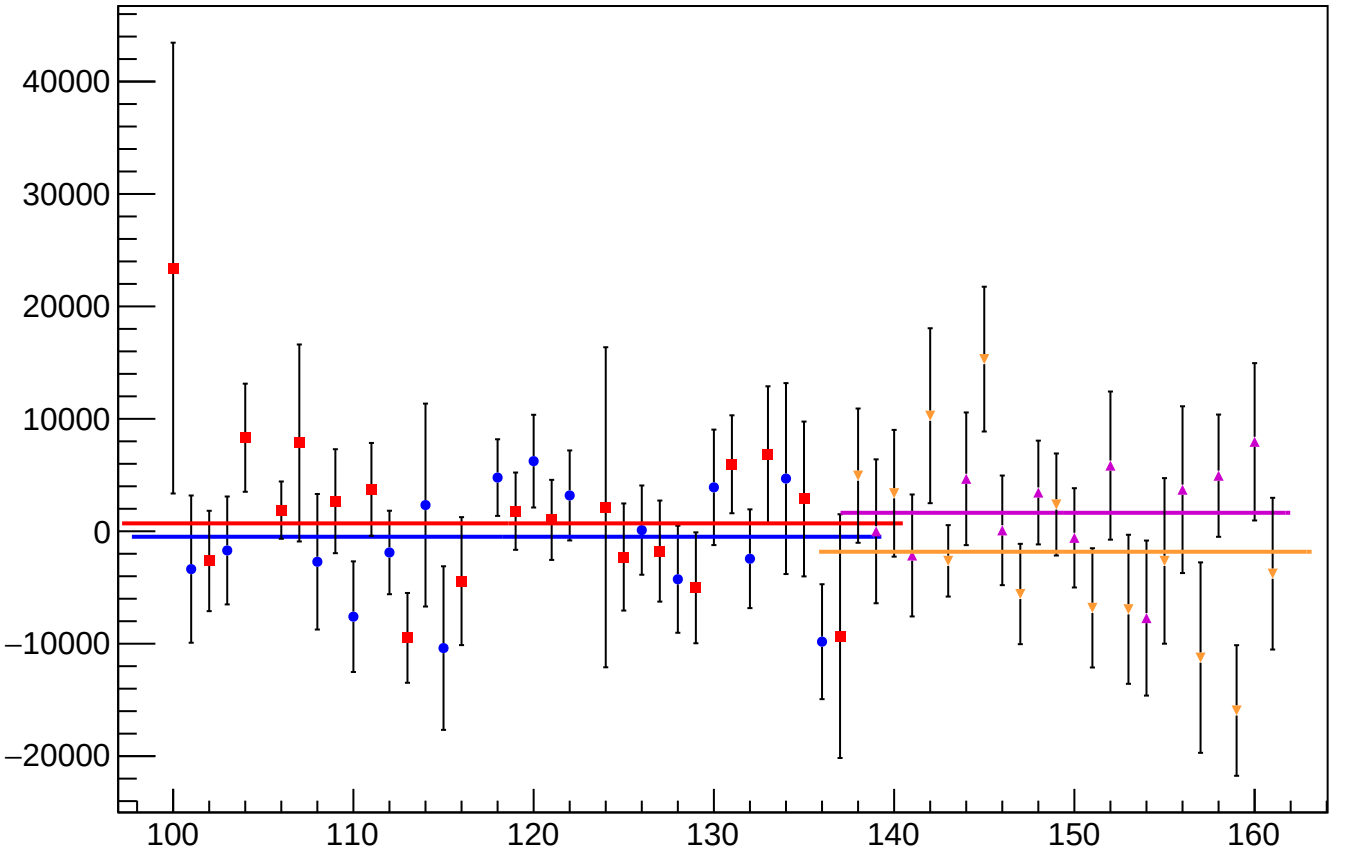
Left: 1890.666+/-0.301 χ^2/NDF: 305444.1/23

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1857.929+/-0.324 χ^2/NDF:752112.5/26

Out: 1809.167+/-0.307 χ^2/NDF:512210.0/31

All: 1832.200+/-0.223 χ^2/NDF: 1276242.2/58



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1821.042+/-1506.918 χ^2/NDF:22.0/12

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1643.614+/-1704.990 χ^2/NDF:4.8/10

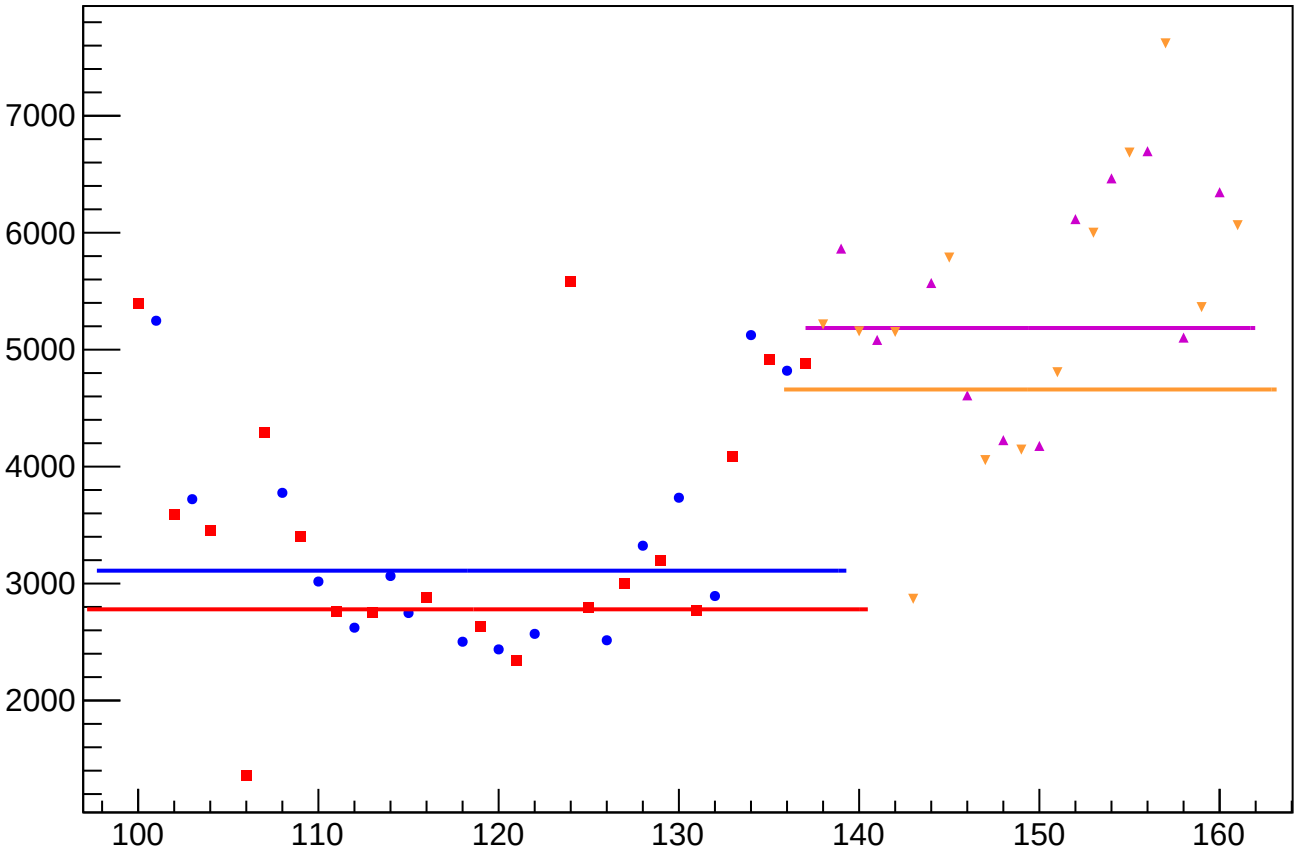
Left: -301.563+/-1129.117 χ^2/NDF: 29.1/23

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 216.880+/-980.498 χ^2/NDF:21.6/26

Out: -142.252+/-872.147 χ^2/NDF:42.7/31

All: 16.382+/-651.655 χ^2/NDF: 64.4/58



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4659.538+/-1.066 χ^2/NDF:1394642.1/12

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5185.209+/-1.206 χ^2/NDF:497775.5/10

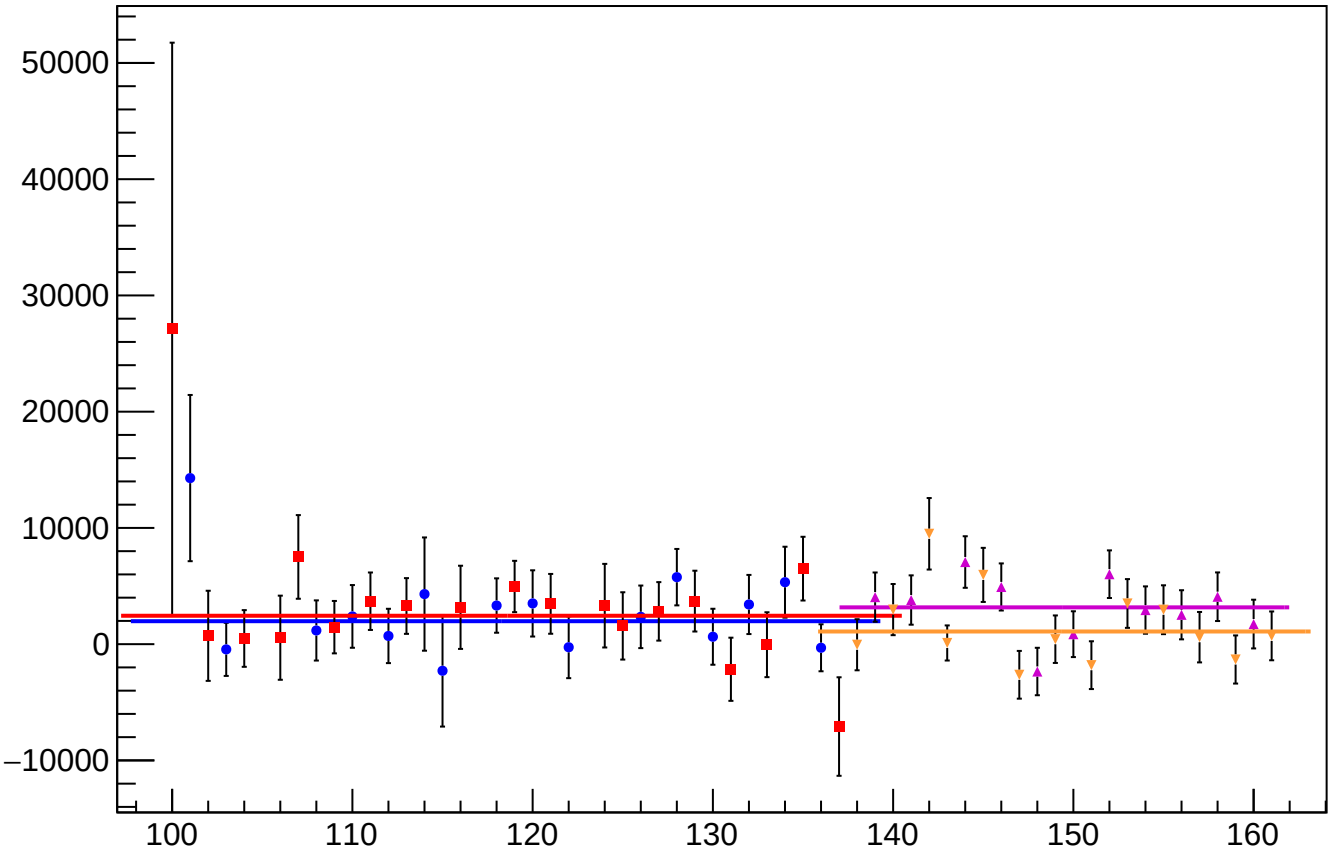
Left: 4890.079+/-0.798 χ^2/NDF: 1999154.1/23

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3796.385+/-0.693 χ^2/NDF:3363786.4/26

Out: 3409.334+/-0.617 χ^2/NDF:4812774.4/31

All: 3580.300+/-0.461 χ^2/NDF: 8350552.1/58



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1090.181+/-579.076 χ^2/NDF:22.2/12

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3166.386+/-626.259 χ^2/NDF:15.5/10

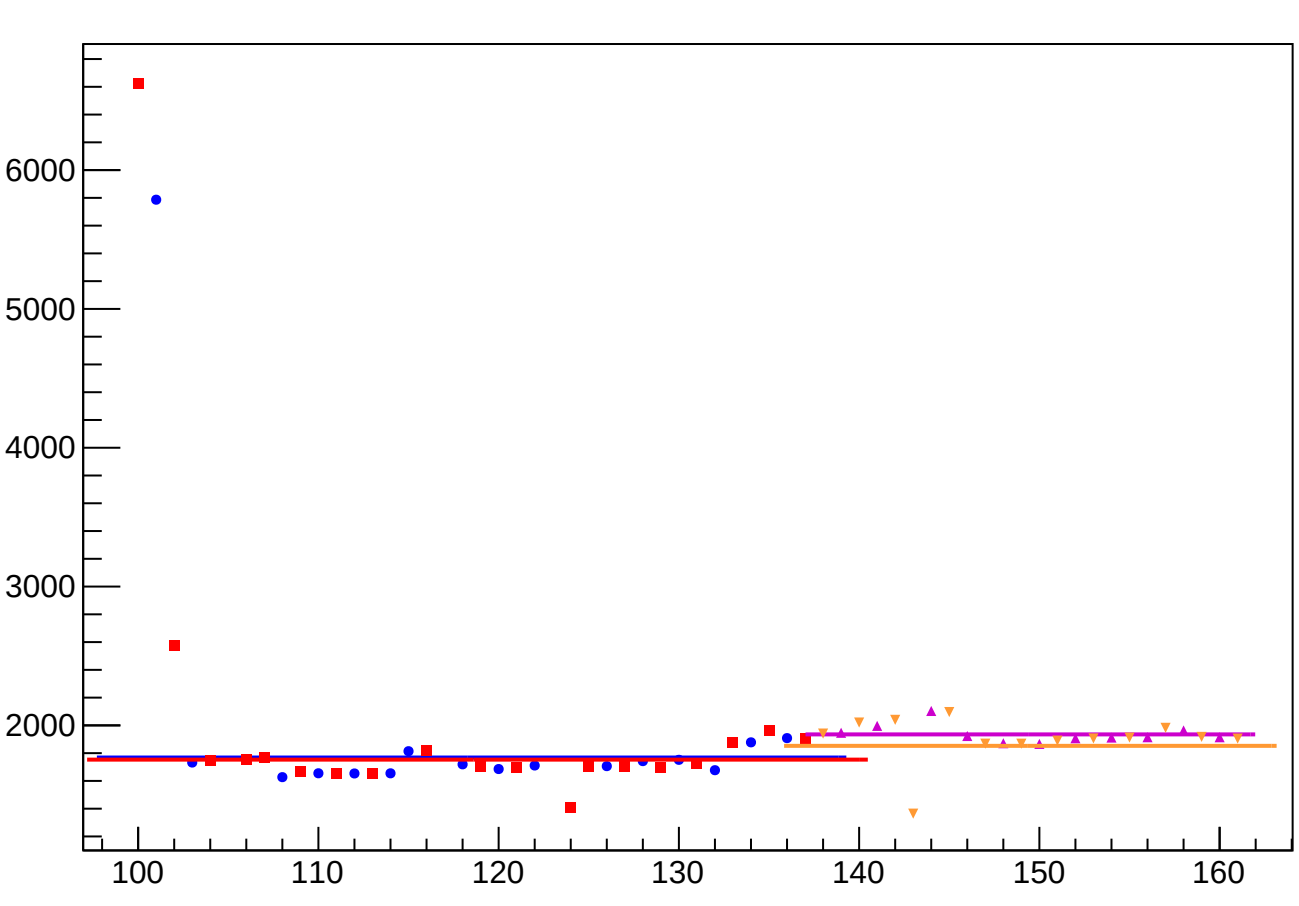
Left: 2047.135+/-425.172 χ^2/NDF: 43.6/23

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2614.827+/-458.809 χ^2/NDF:29.6/26

Out: 1681.478+/-434.617 χ^2/NDF:42.1/31

All: 2122.897+/-315.527 χ^2/NDF: 73.8/58



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1852.645+/-0.409 χ^2/NDF:267607.5/12

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1935.136+/-0.443 χ^2/NDF:19131.7/10

Left: 1890.667+/-0.301 χ^2/NDF: 305445.8/23

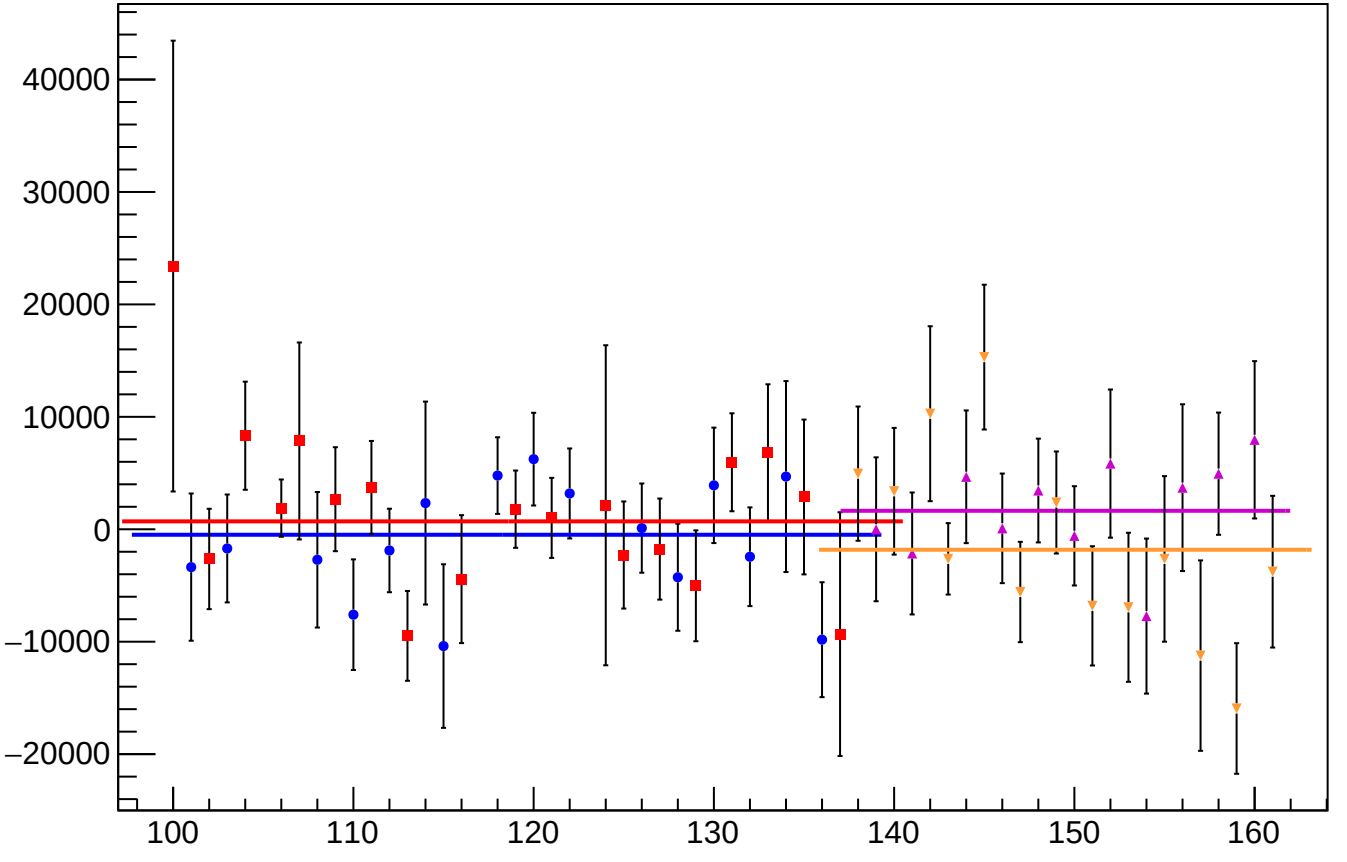
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1857.930+/-0.324 χ^2/NDF:752113.6/26

Out: 1809.167+/-0.307 χ^2/NDF:512211.9/31

All: 1832.201+/-0.223 χ^2/NDF: 1276245.2/58

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: -1821.048+/-1506.919 χ^2/NDF:22.0/12

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1643.615+/-1704.992 χ^2/NDF:4.8/10

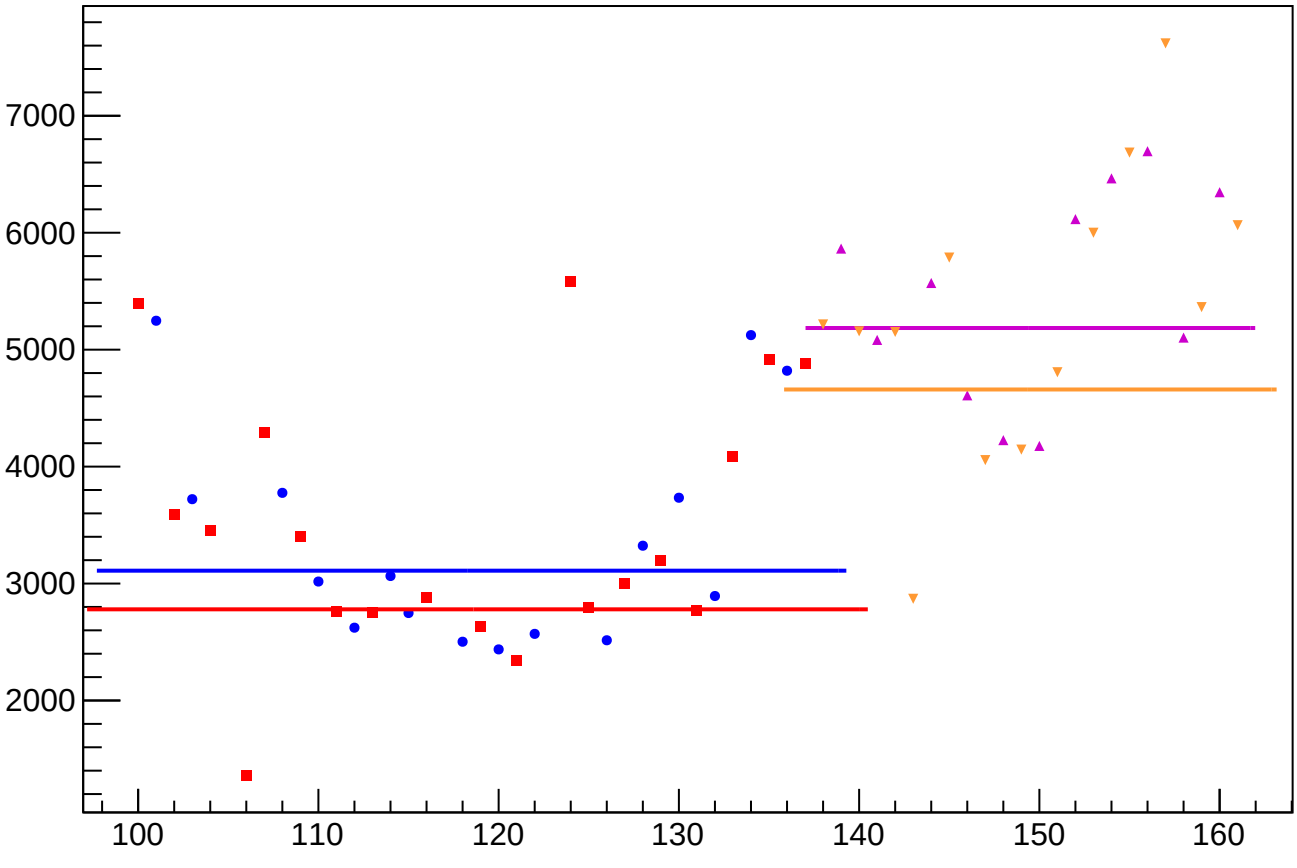
Left: -301.566+/-1129.118 χ^2/NDF: 29.1/23

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 216.881+/-980.496 χ^2/NDF:21.6/26

Out: -142.247+/-872.145 χ^2/NDF:42.7/31

All: 16.385+/-651.653 χ^2/NDF: 64.4/58



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4659.542+/-1.066 χ^2/NDF:1394648.7/12

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5185.214+/-1.206 χ^2/NDF:497778.7/10

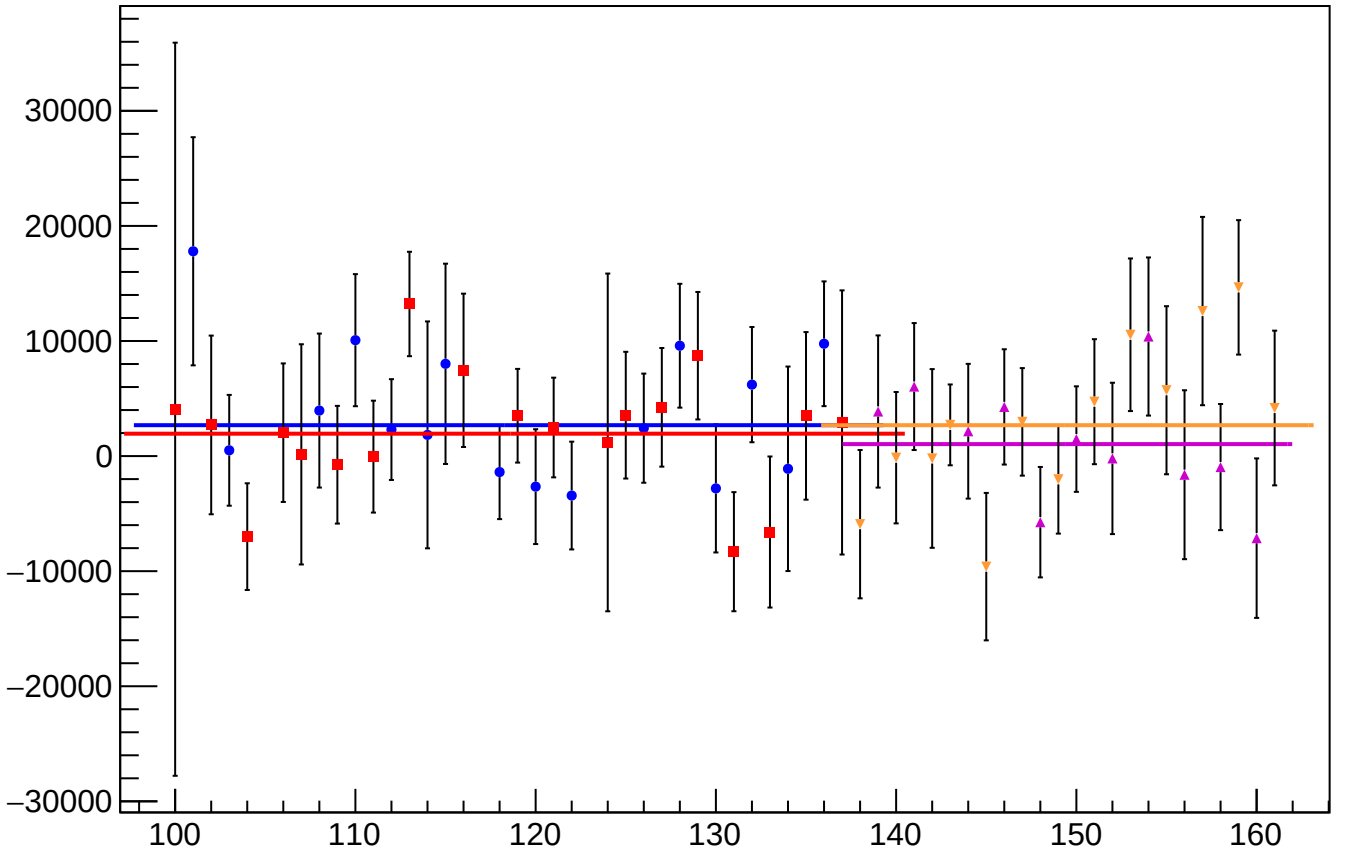
Left: 4890.084+/-0.798 χ^2/NDF: 1999164.3/23

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3796.375+/-0.693 χ^2/NDF:3363832.5/26

Out: 3409.323+/-0.617 χ^2/NDF:4812839.1/31

All: 3580.290+/-0.461 χ^2/NDF: 8350665.3/58



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2684.042+/-1563.096 χ^2/NDF:14.3/12

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1040.910+/-1733.567 χ^2/NDF:7.0/10

Left: 1947.216+/-1160.879 χ^2/NDF: 21.8/23

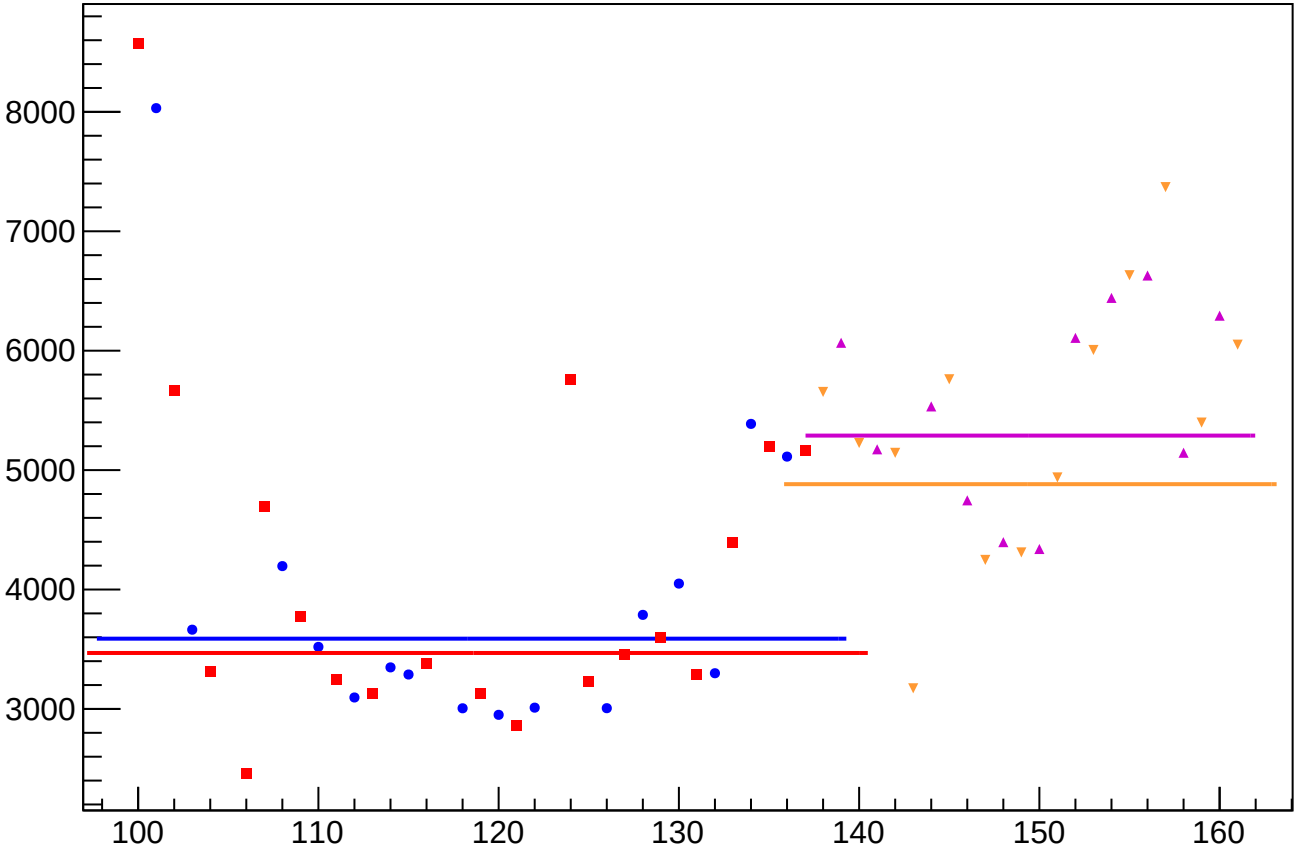
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2047.582+/-1079.633 χ^2/NDF:21.0/26

Out: 2256.565+/-1014.259 χ^2/NDF:33.1/31

All: 2158.592+/-739.221 χ^2/NDF: 54.1/58

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4882.259+/-1.105 χ^2/NDF:1049349.9/12

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5289.053+/-1.226 χ^2/NDF:407800.3/10

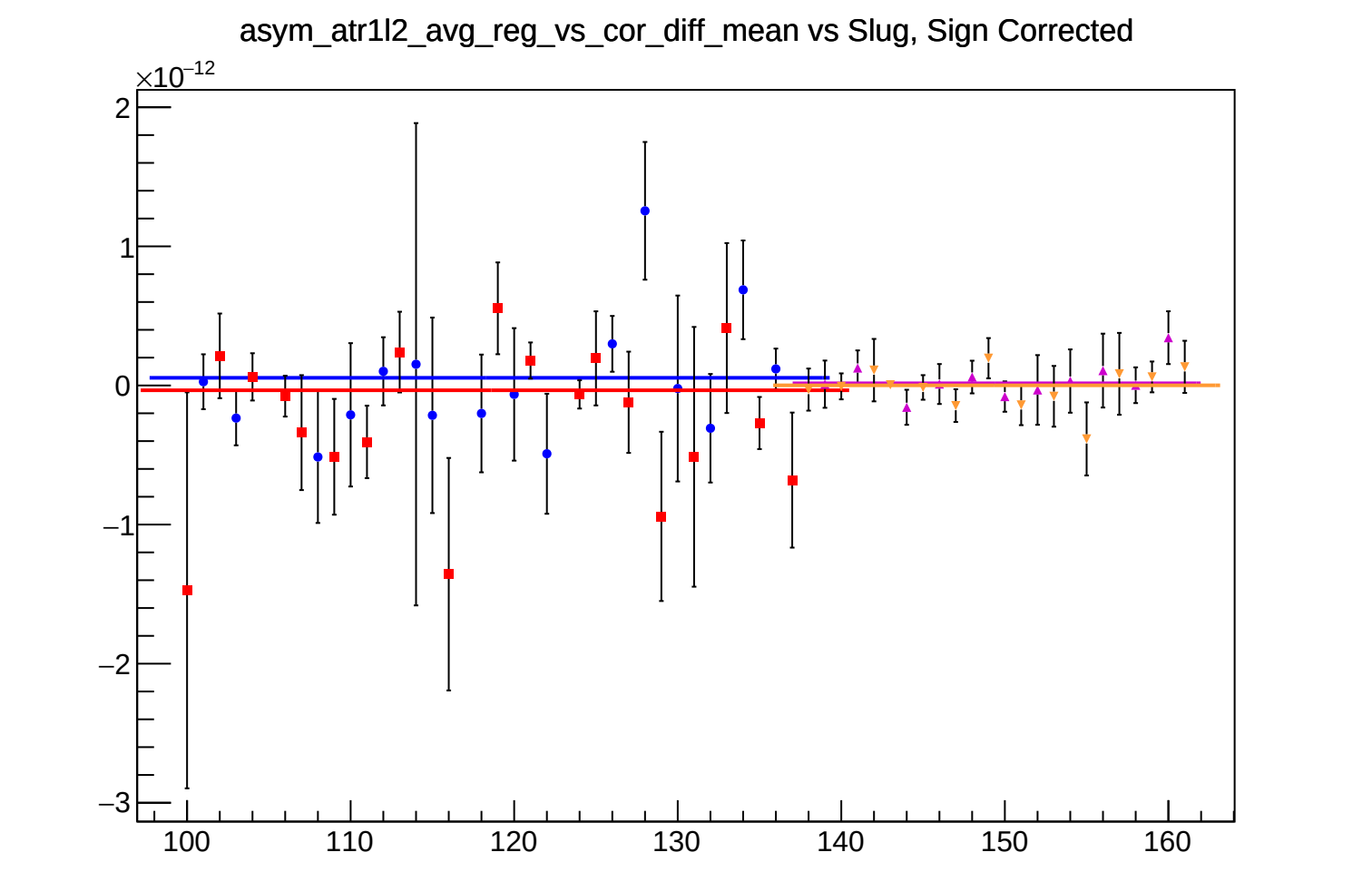
Left: 5064.677+/-0.821 χ^2/NDF: 1517893.8/23

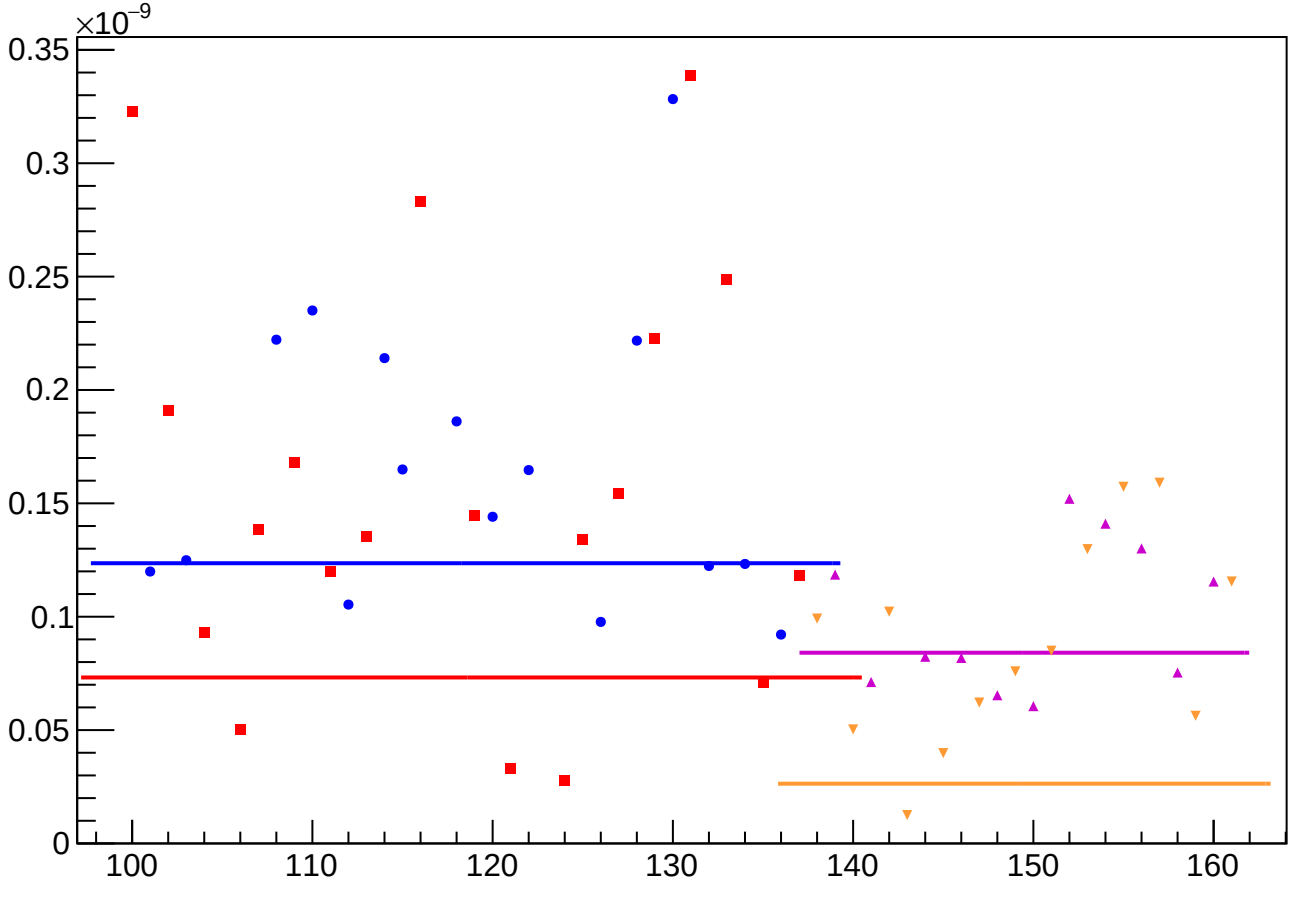
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4248.027+/-0.763 χ^2/NDF:2431217.3/26

Out: 4053.304+/-0.711 χ^2/NDF:2675129.5/31

All: 4143.728+/-0.520 χ^2/NDF: 5141194.5/58


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.8/12
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.7/10
Left: 0.000+/-0.000 χ²/NDF: 14.6/23
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:24.7/26
Out: -0.000+/-0.000 χ²/NDF:30.4/31
All: 0.000+/-0.000 χ²/NDF: 55.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4325624.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:644204.8/10

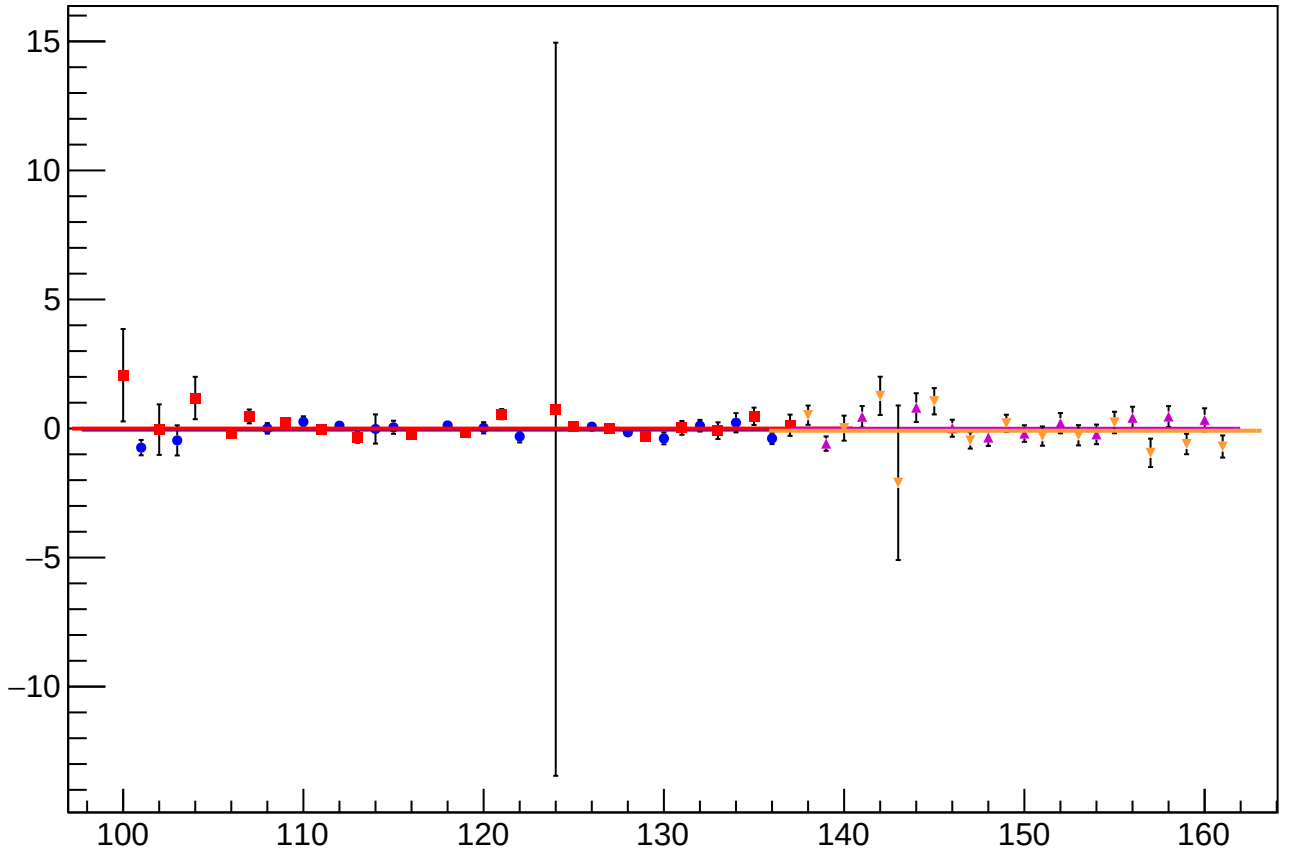
Left: 0.000+/-0.000 χ^2/NDF: 7784890.3/23

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1730772.6/26

Out: 0.000+/-0.000 χ^2/NDF:7879192.3/31

All: 0.000+/-0.000 χ^2/NDF: 14037446.5/58



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.009+/-0.112 χ^2/NDF:12.7/10

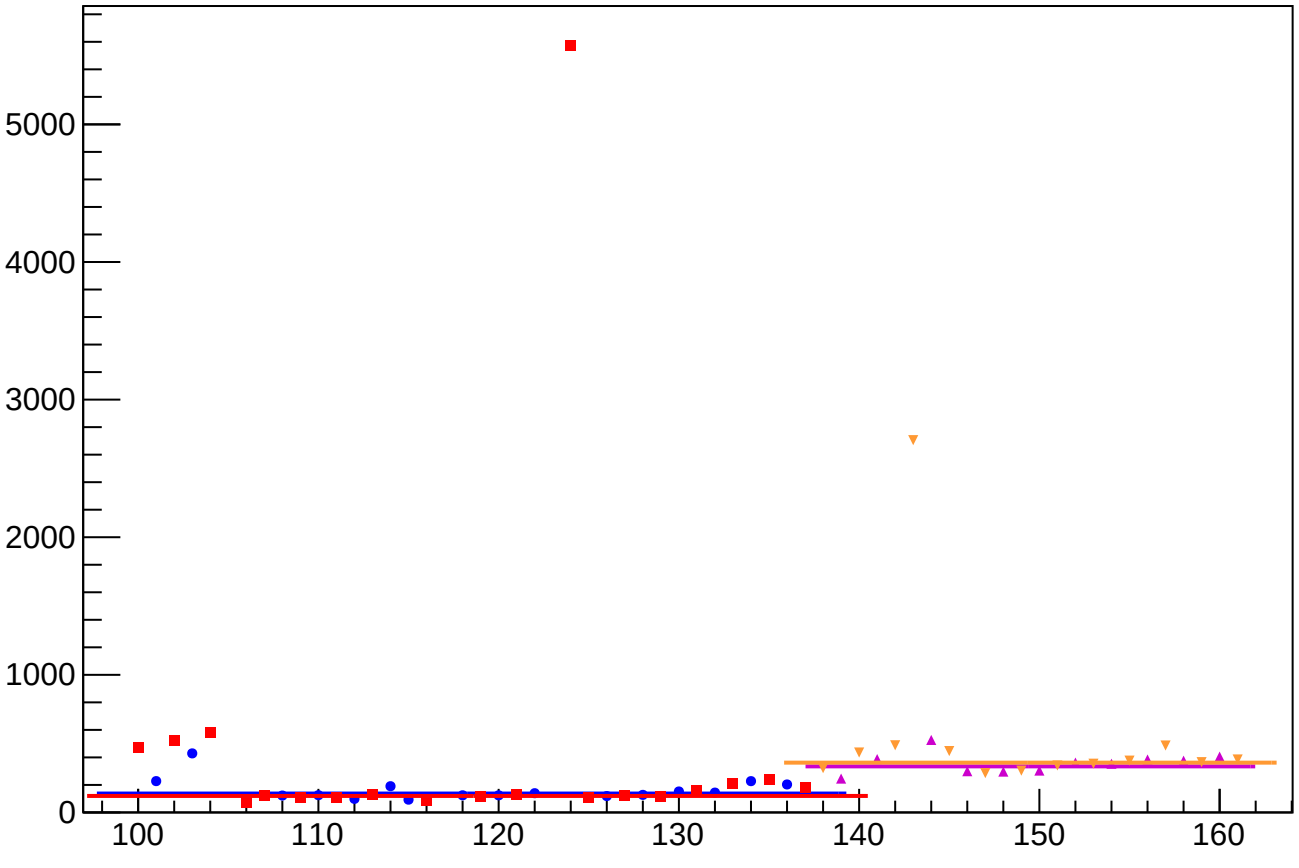
Left: -0.045+/-0.081 χ^2/NDF: 33.7/23

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.016+/-0.047 χ^2/NDF:49.9/31

All: -0.024+/-0.034 χ^2/NDF: 80.7/58



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 361.982+/-0.084 χ^2/NDF:1700426.8/12

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

Left: 347.626+/-0.058 χ^2/NDF: 2408730.1/23

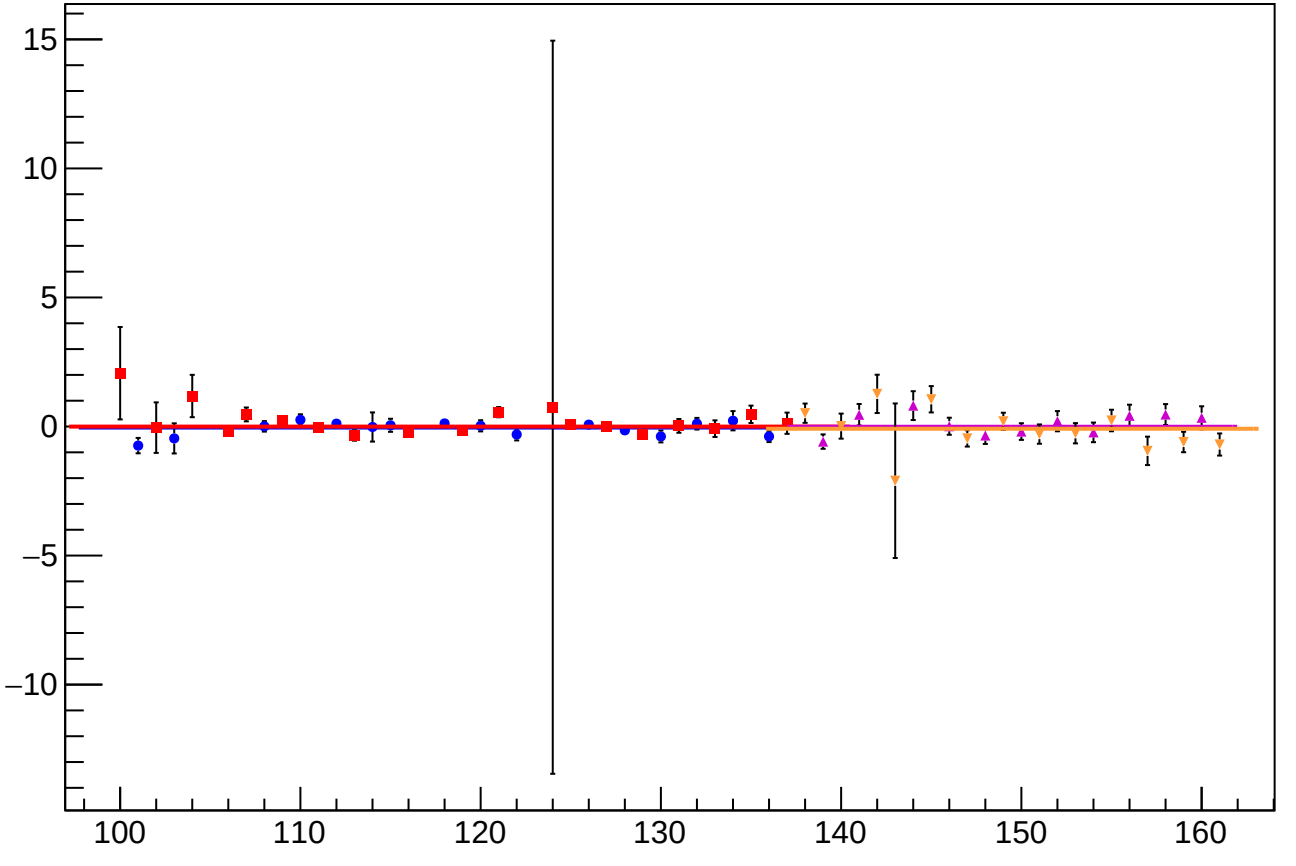
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 176.810+/-0.035 χ^2/NDF:6918499.2/26

Out: 157.506+/-0.033 χ^2/NDF:10837909.3/31

All: 166.534+/-0.024 χ^2/NDF: 17915468.3/58

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: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.009+/-0.112 χ^2/NDF:12.7/10

Left: -0.045+/-0.081 χ^2/NDF: 33.7/23

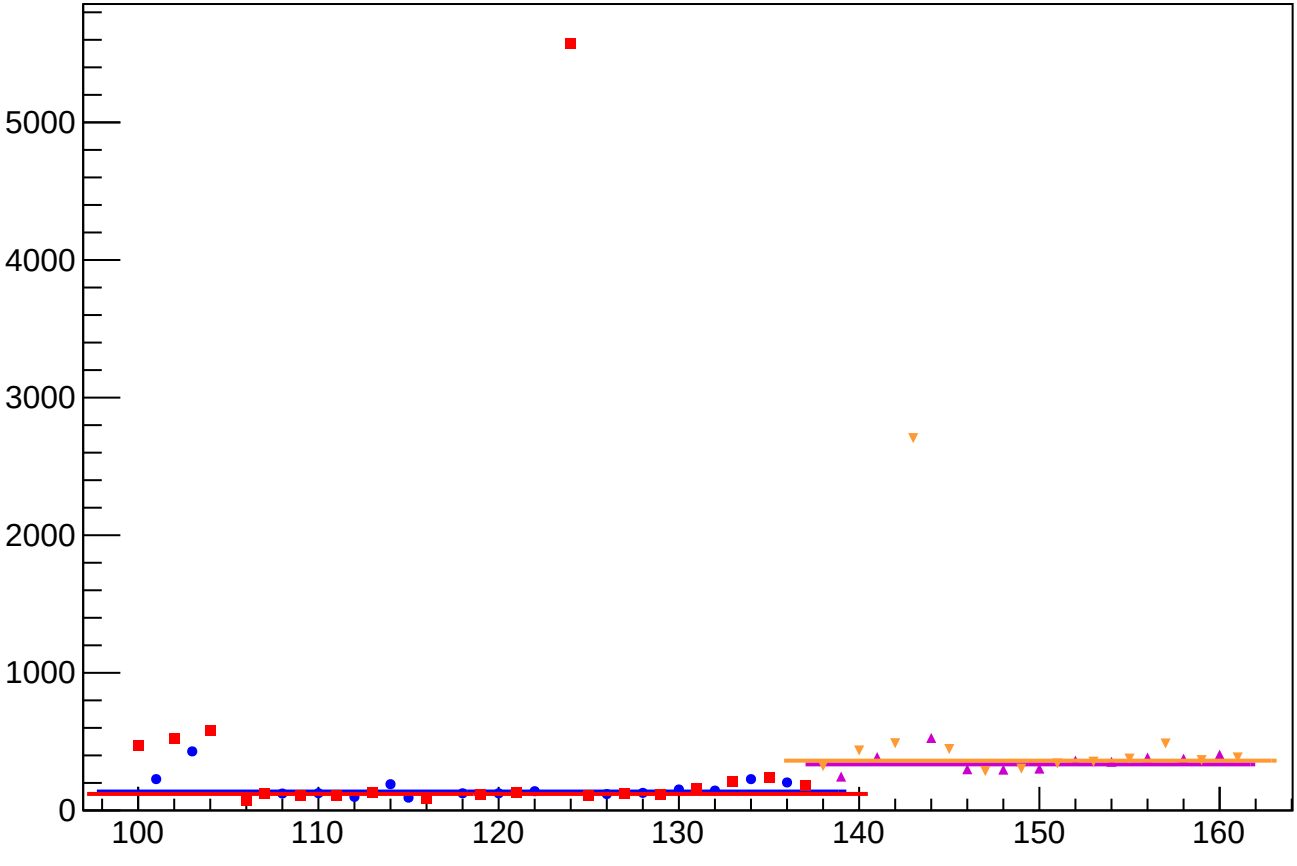
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.016+/-0.047 χ^2/NDF:49.9/31

All: -0.024+/-0.034 χ^2/NDF: 80.7/58

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: 361.982+/-0.084 χ^2/NDF:1700426.8/12

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

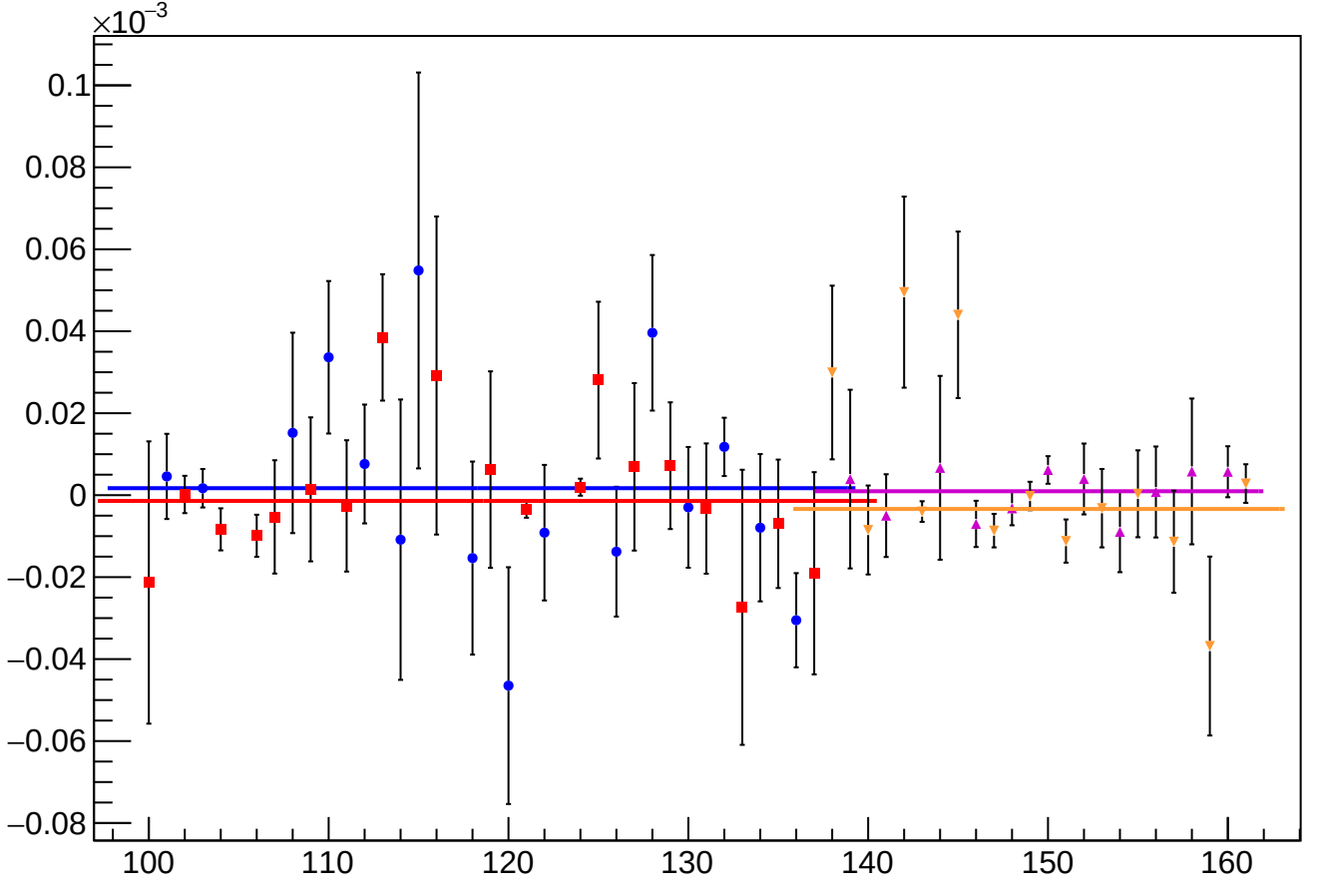
Left: 347.626+/-0.058 χ^2/NDF: 2408730.1/23

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 176.810+/-0.035 χ^2/NDF:6918499.2/26

Out: 157.506+/-0.033 χ^2/NDF:10837909.3/31

All: 166.534+/-0.024 χ^2/NDF: 17915468.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/10

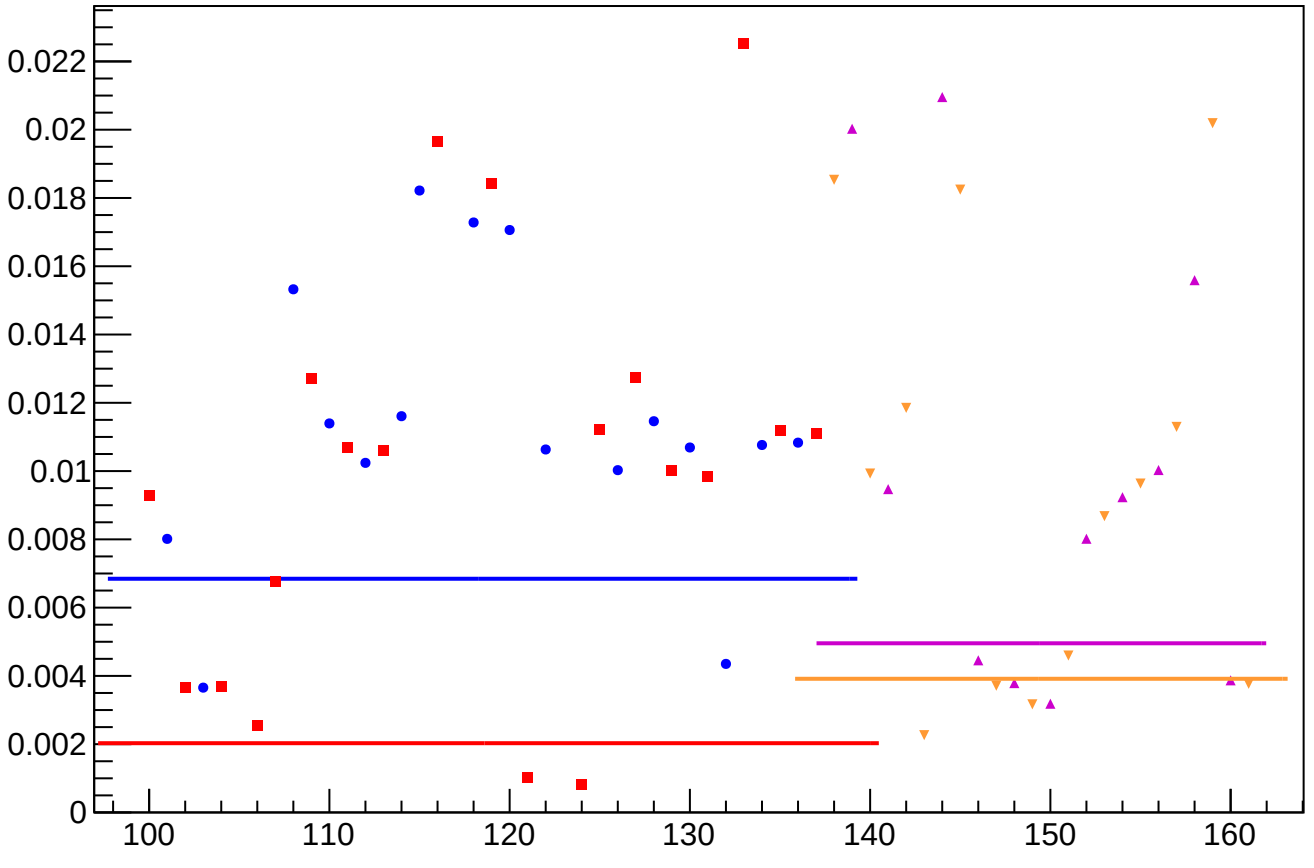
Left: -0.000+/-0.000 χ^2/NDF: 33.2/23

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: -0.000+/-0.000 χ^2/NDF:43.9/31

All: -0.000+/-0.000 χ^2/NDF: 78.4/58



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:6675556.4/12

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4923293.3/10

Left: 0.004+/-0.000 χ^2/NDF: 11941391.7/23

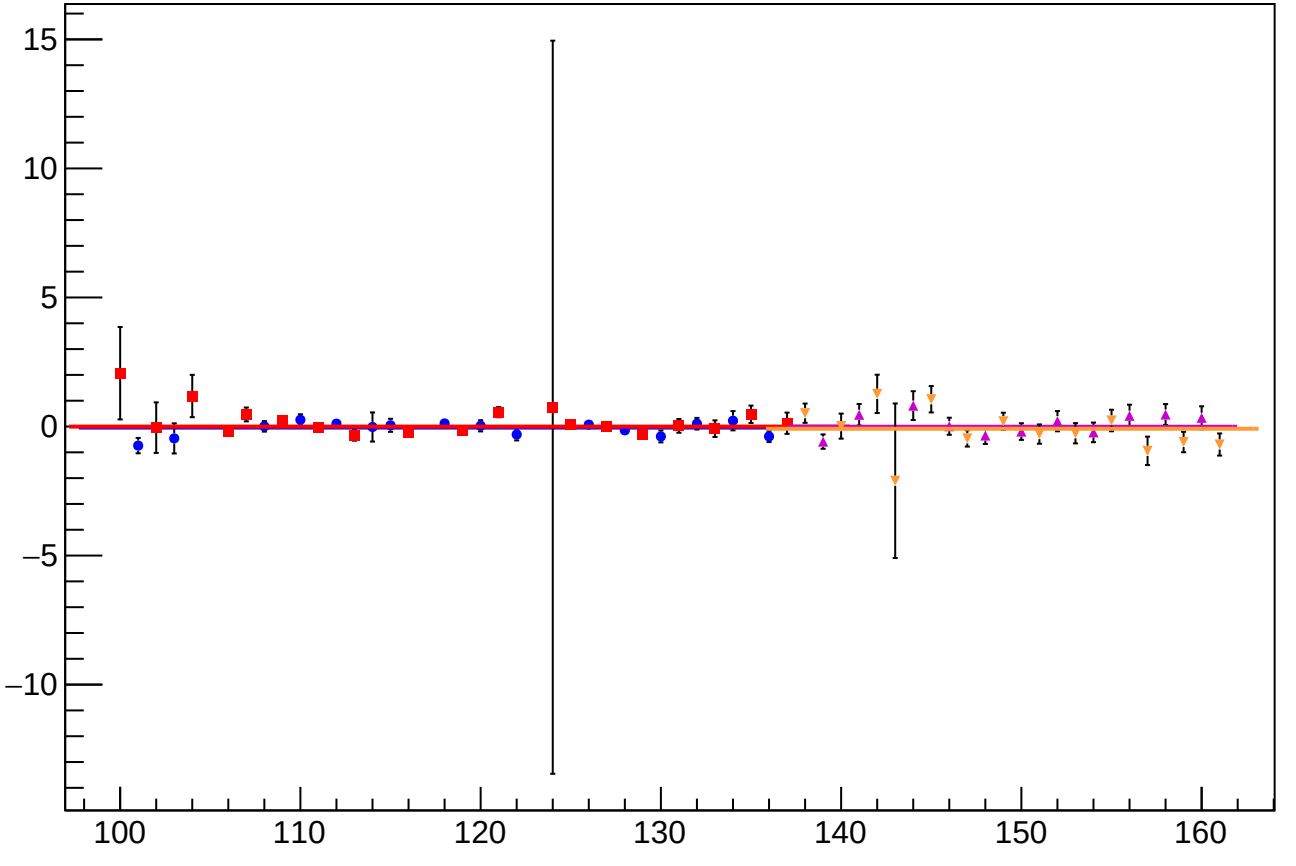
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:8713340.8/26

Out: 0.003+/-0.000 χ^2/NDF:17495199.1/31

All: 0.003+/-0.000 χ^2/NDF: 30338383.7/58

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.009+/-0.112 χ^2/NDF:12.7/10

Left: -0.045+/-0.081 χ^2/NDF: 33.7/23

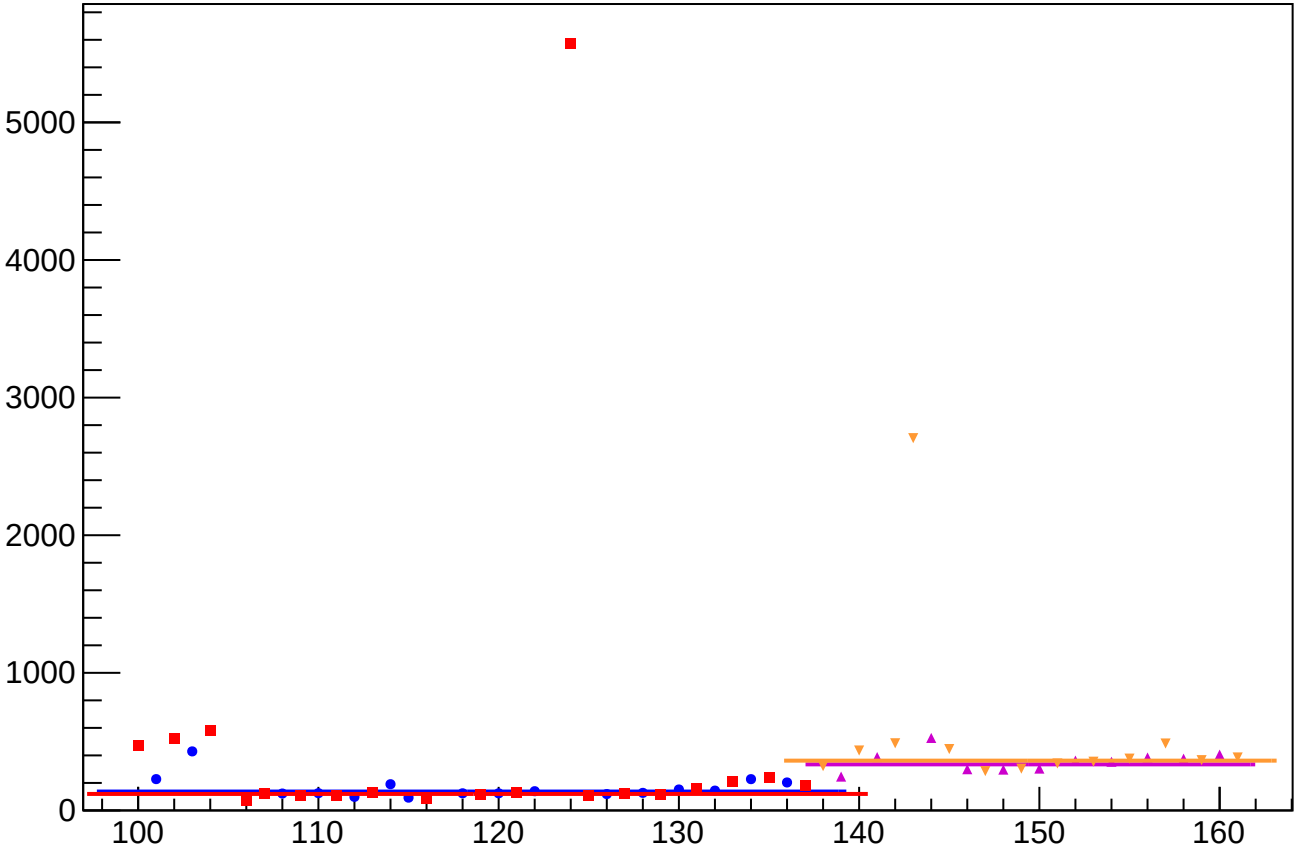
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.016+/-0.047 χ^2/NDF:49.9/31

All: -0.024+/-0.034 χ^2/NDF: 80.7/58

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: 361.985+/-0.084 χ^2/NDF:1700466.1/12

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

Left: 347.630+/-0.058 χ^2/NDF: 2408757.2/23

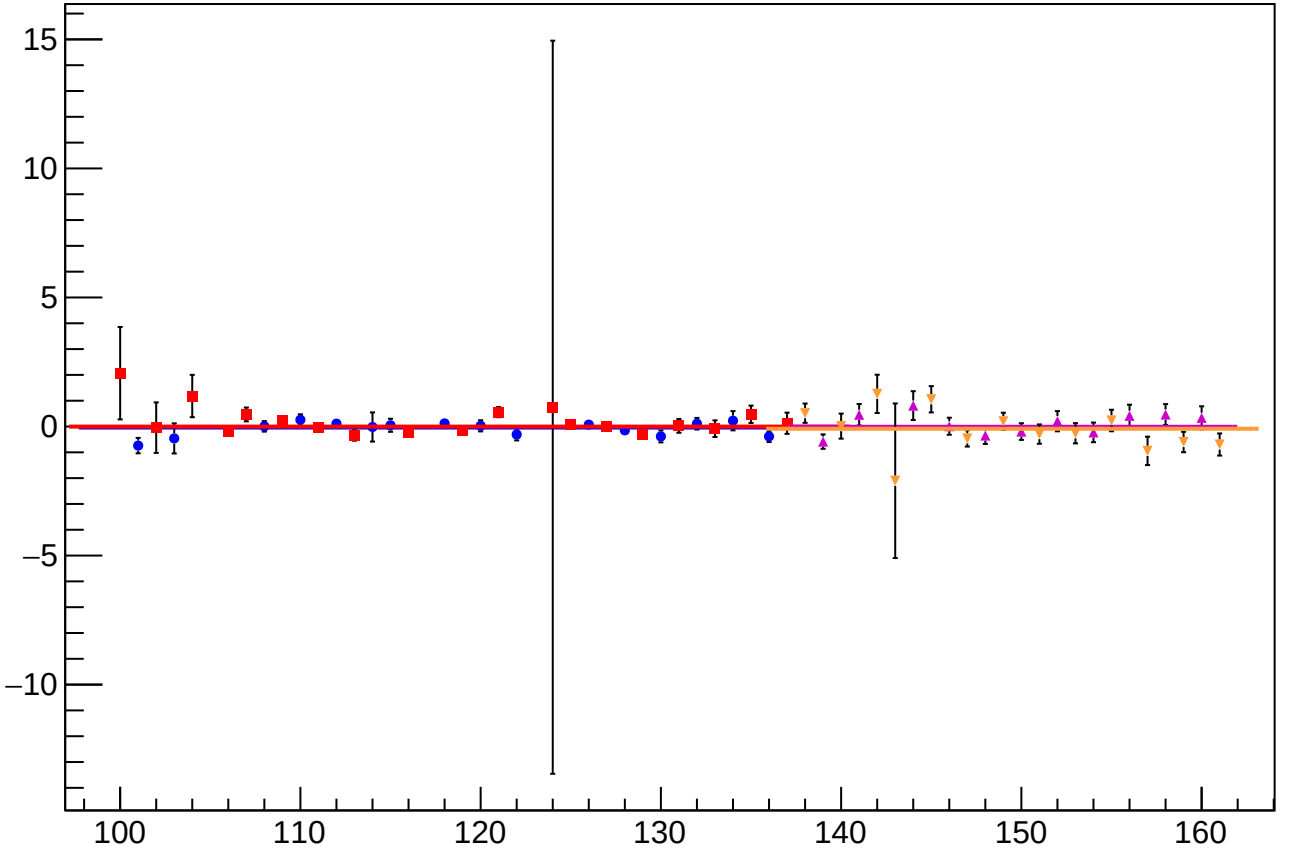
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 176.811+/-0.035 χ^2/NDF:6918502.7/26

Out: 157.505+/-0.033 χ^2/NDF:10837956.4/31

All: 166.535+/-0.024 χ^2/NDF: 17915539.2/58

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: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.009+/-0.112 χ^2/NDF:12.7/10

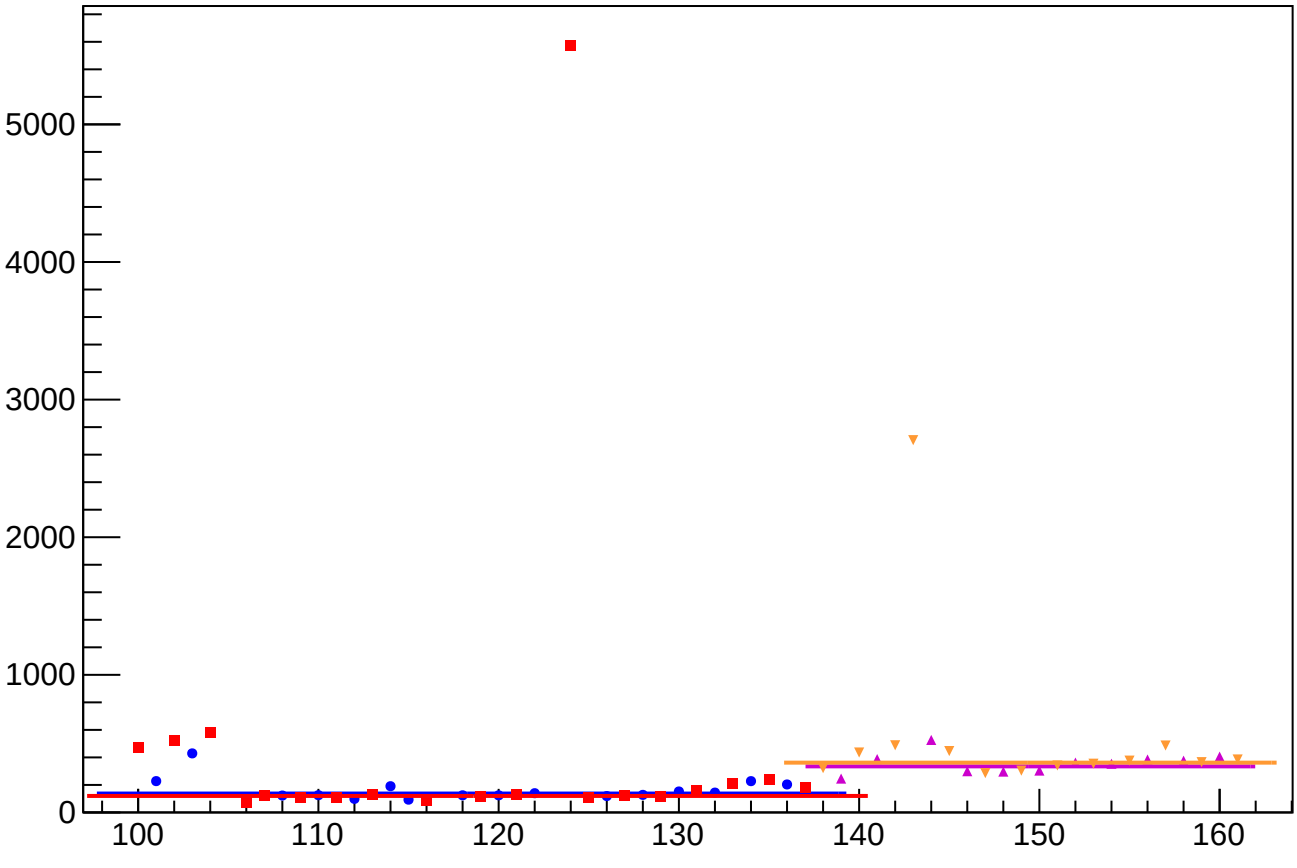
Left: -0.045+/-0.081 χ^2/NDF: 33.7/23

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.034+/-0.050 χ^2/NDF:30.6/26

Out: -0.016+/-0.047 χ^2/NDF:49.9/31

All: -0.024+/-0.034 χ^2/NDF: 80.7/58



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 361.985+/-0.084 χ^2/NDF:1700466.1/12

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

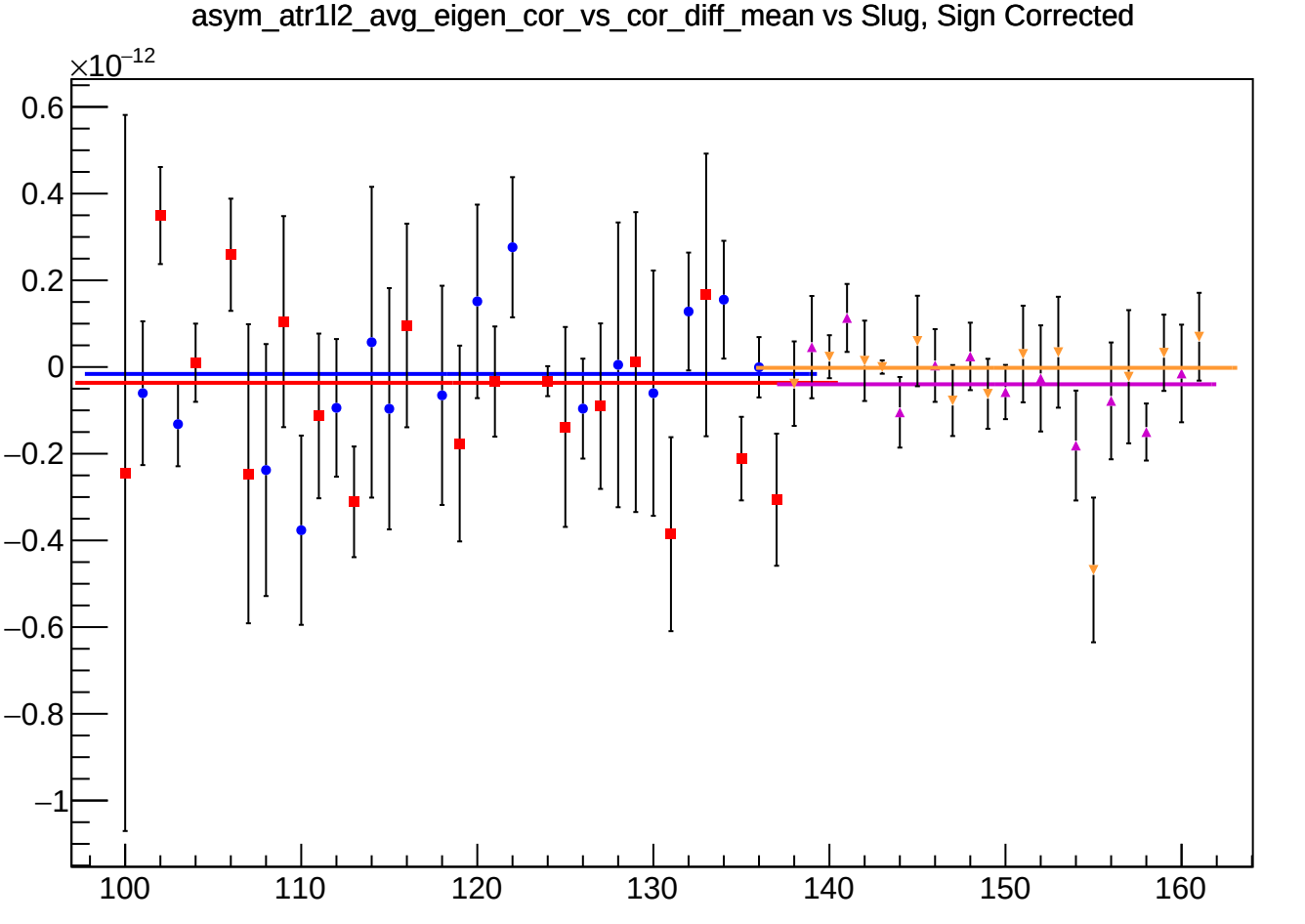
Left: 347.630+/-0.058 χ^2/NDF: 2408757.2/23

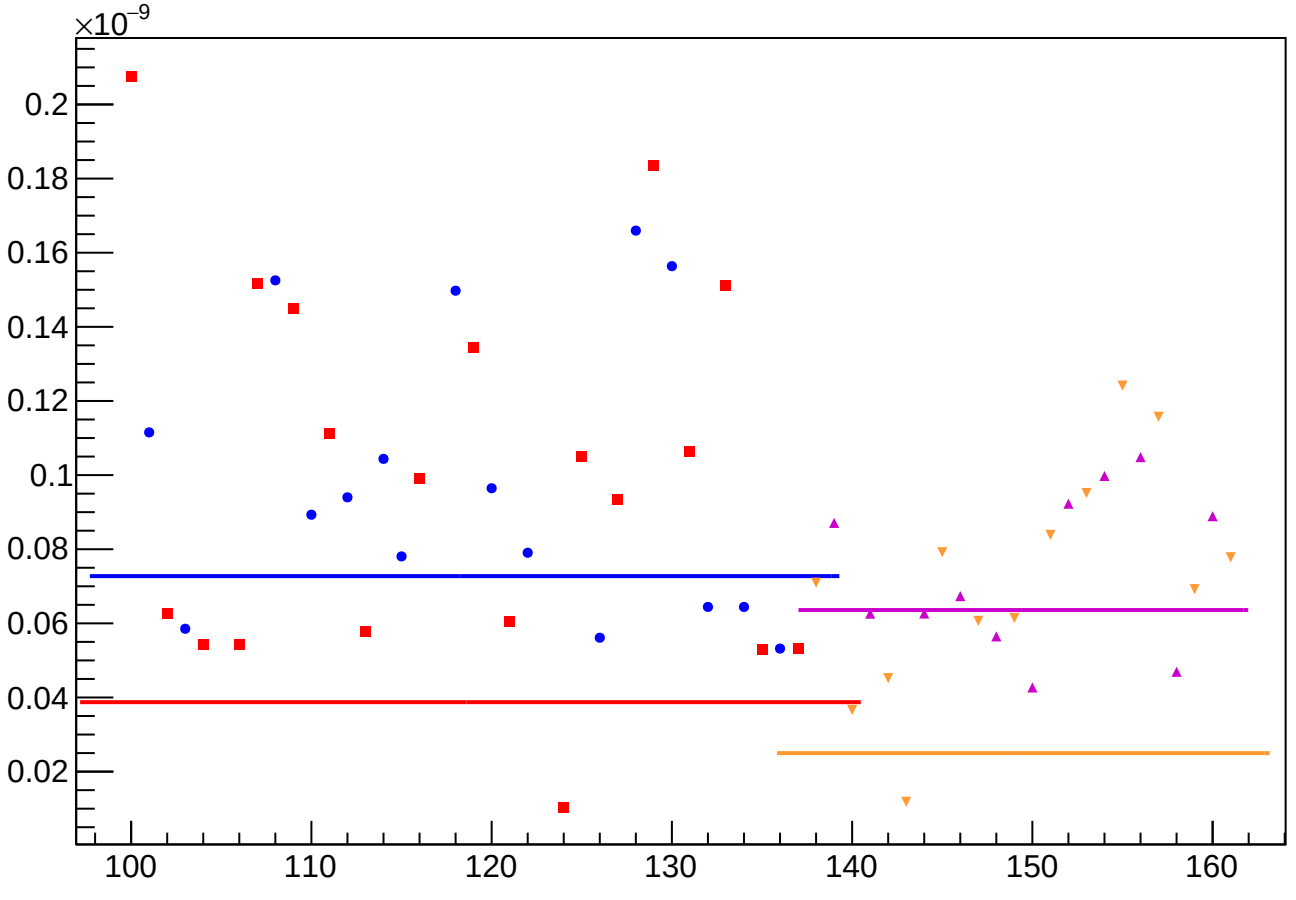
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 176.811+/-0.035 χ^2/NDF:6918502.7/26

Out: 157.505+/-0.033 χ^2/NDF:10837956.4/31

All: 166.535+/-0.024 χ^2/NDF: 17915539.2/58


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
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:10.8/12
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/10
Left: -0.000+/-0.000 χ²/NDF: 22.7/23
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:22.8/26
Out: -0.000+/-0.000 χ²/NDF:45.5/31
All: -0.000+/-0.000 χ²/NDF: 69.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7041225.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1012888.8/10

Left: 0.000+/-0.000 χ^2/NDF: 11480457.9/23

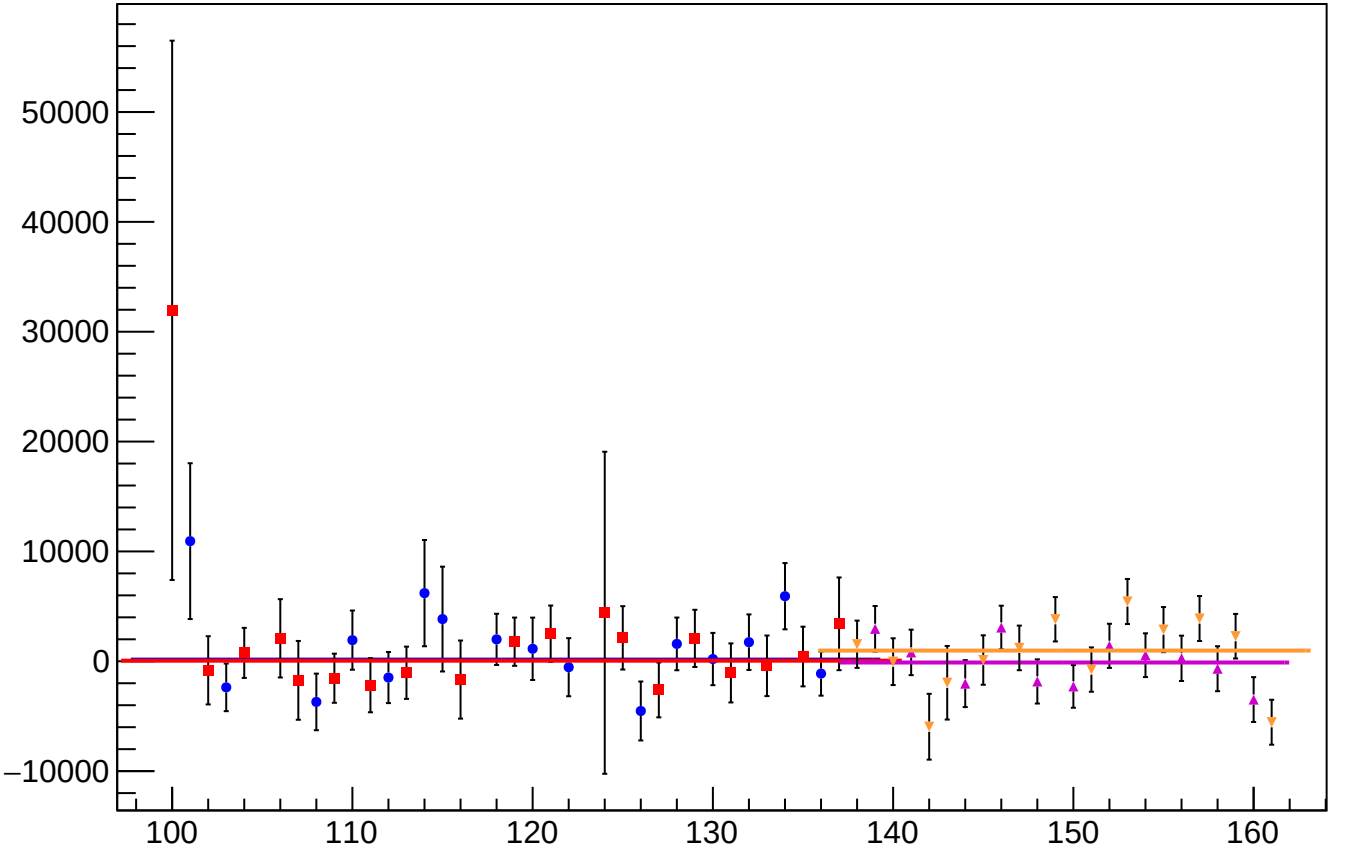
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:2221435.5/26

Out: 0.000+/-0.000 χ^2/NDF:11767079.3/31

All: 0.000+/-0.000 χ^2/NDF: 18975200.7/58

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 974.029+/-601.587 χ^2/NDF:27.5/12

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -112.058+/-612.730 χ^2/NDF:11.3/10

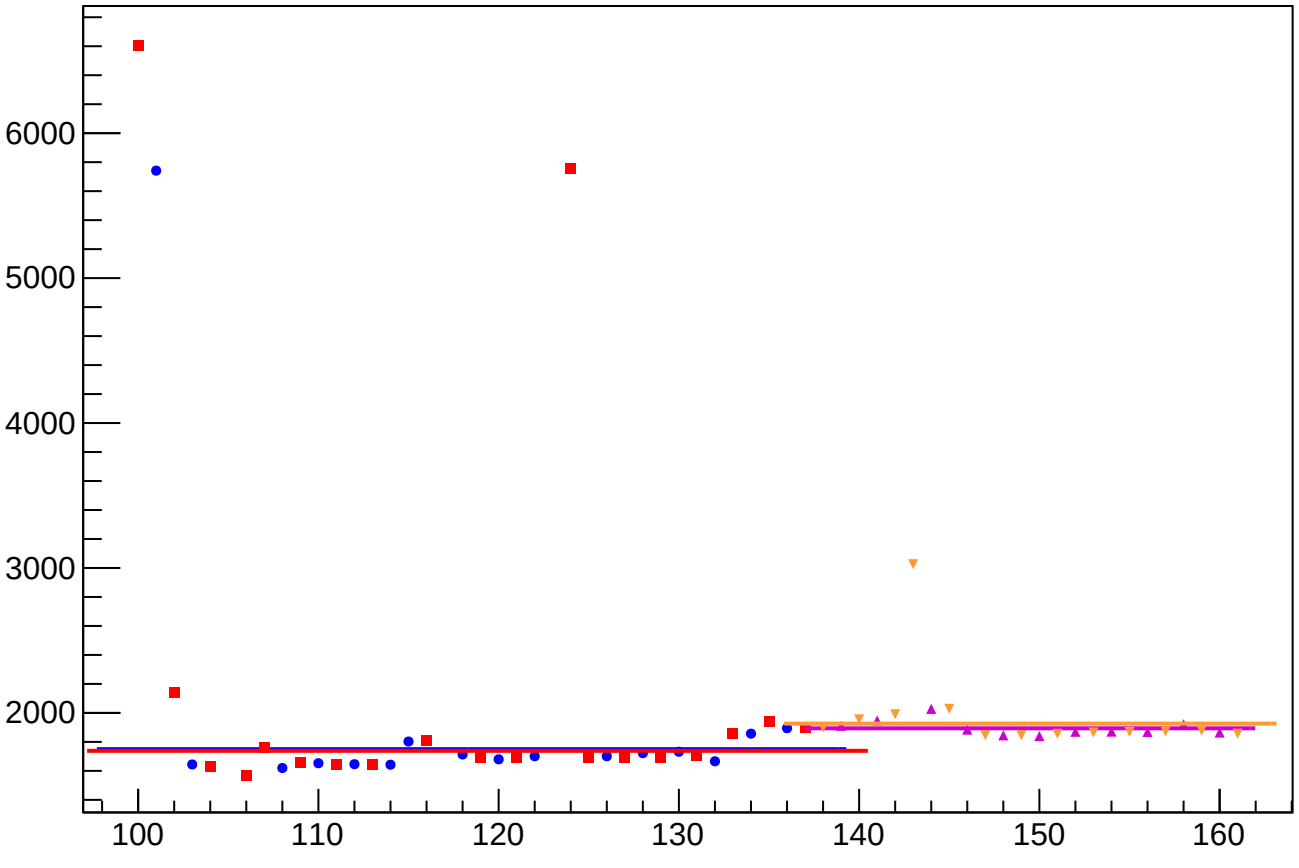
Left: 440.951+/-429.271 χ^2/NDF: 40.4/23

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 8.202+/-451.242 χ^2/NDF:29.0/26

Out: 553.285+/-443.150 χ^2/NDF:37.5/31

All: 285.675+/-316.177 χ^2/NDF: 67.3/58



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

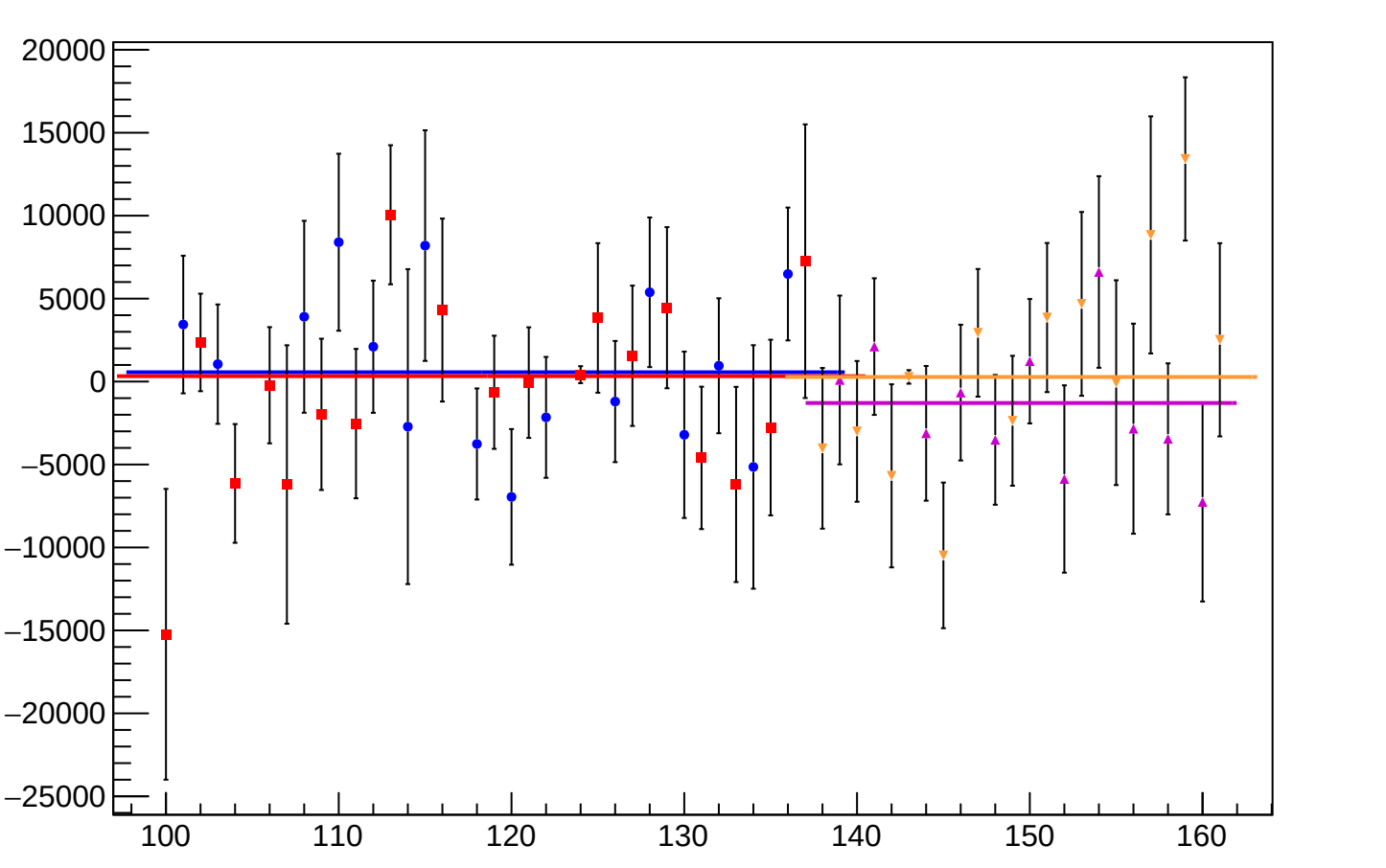
Left: 1910.342+/-0.304 χ^2/NDF: 254713.6/23

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1827.884+/-0.319 χ^2/NDF:733745.6/26

Out: 1839.752+/-0.312 χ^2/NDF:632522.7/31

All: 1833.946+/-0.223 χ^2/NDF: 1366975.0/58



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 277.197+/-392.548 χ^2/NDF:19.5/12

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1292.788+/-1391.170 χ^2/NDF:5.6/10

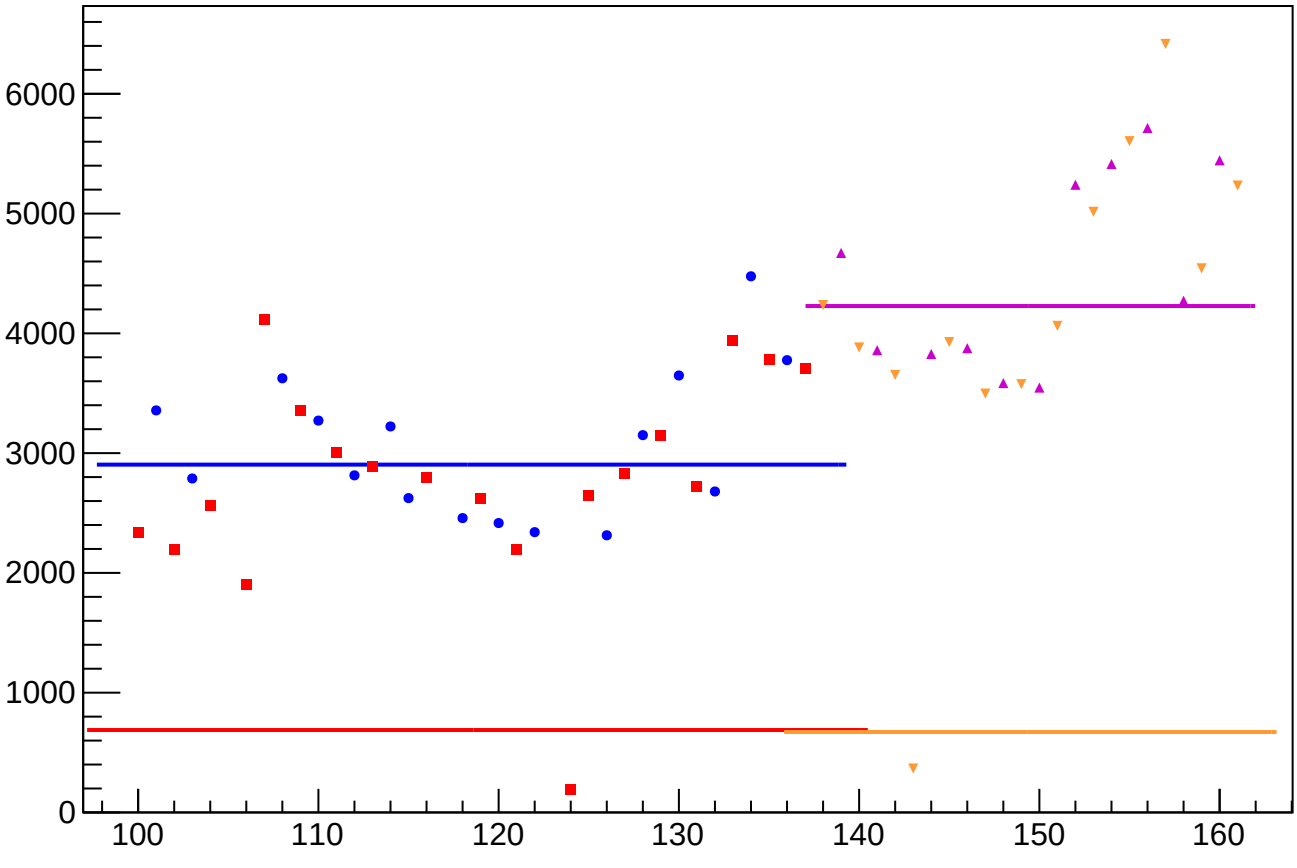
Left: 161.413+/-377.796 χ^2/NDF: 26.2/23

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -152.246+/-863.416 χ^2/NDF:21.5/26

Out: 297.684+/-298.038 χ^2/NDF:38.7/31

All: 249.782+/-281.726 χ^2/NDF: 60.4/58



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 671.862+/-0.278 χ^2/NDF:14603610.3/12

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4228.172+/-0.984 χ^2/NDF:526737.6/10

Left: 934.135+/-0.267 χ^2/NDF: 27236269.3/23

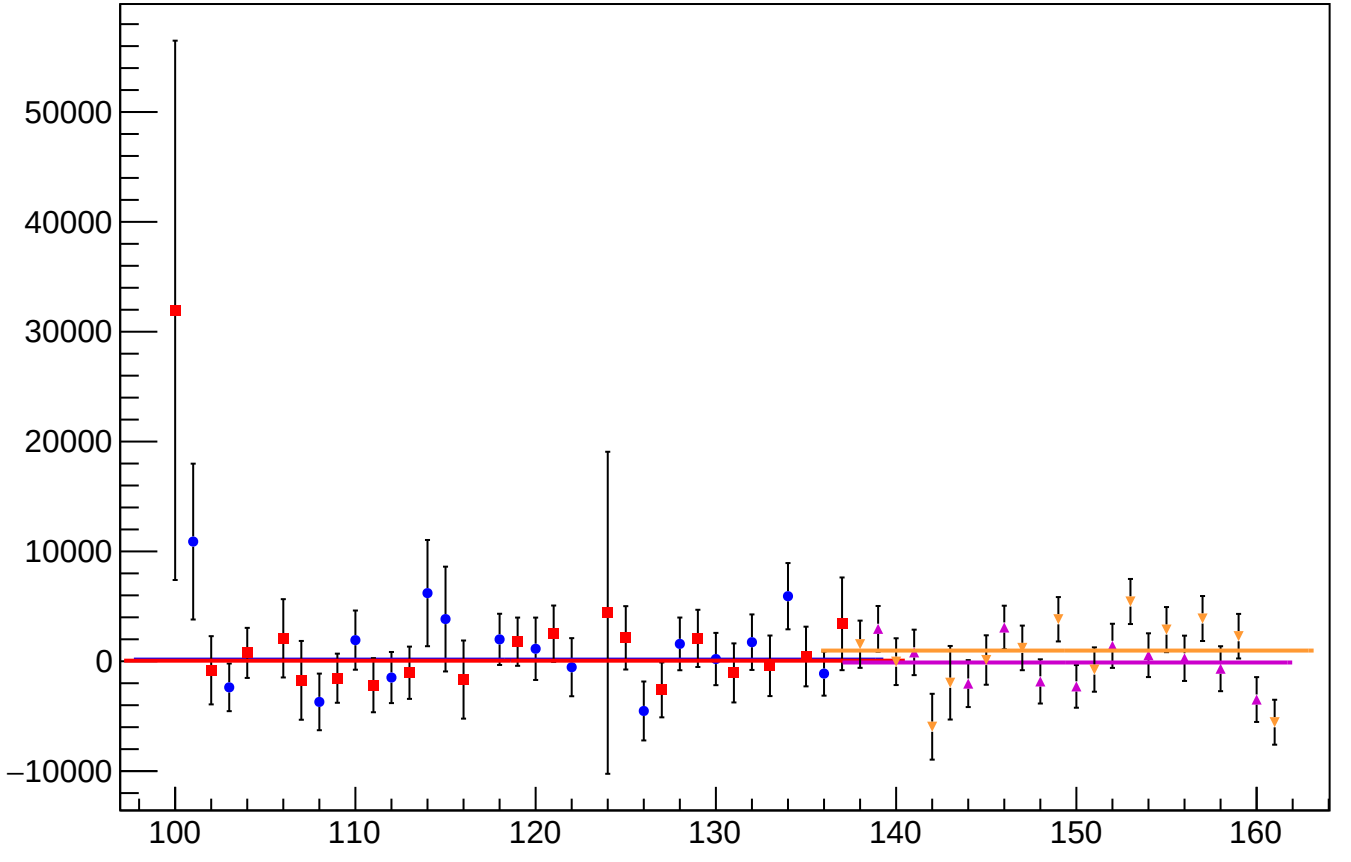
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3414.101+/-0.611 χ^2/NDF:2120440.6/26

Out: 678.832+/-0.211 χ^2/NDF:24754013.4/31

All: 970.047+/-0.199 χ^2/NDF: 44809398.5/58

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 973.983+/-601.587 χ^2/NDF:27.5/12

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -112.098+/-612.730 χ^2/NDF:11.3/10

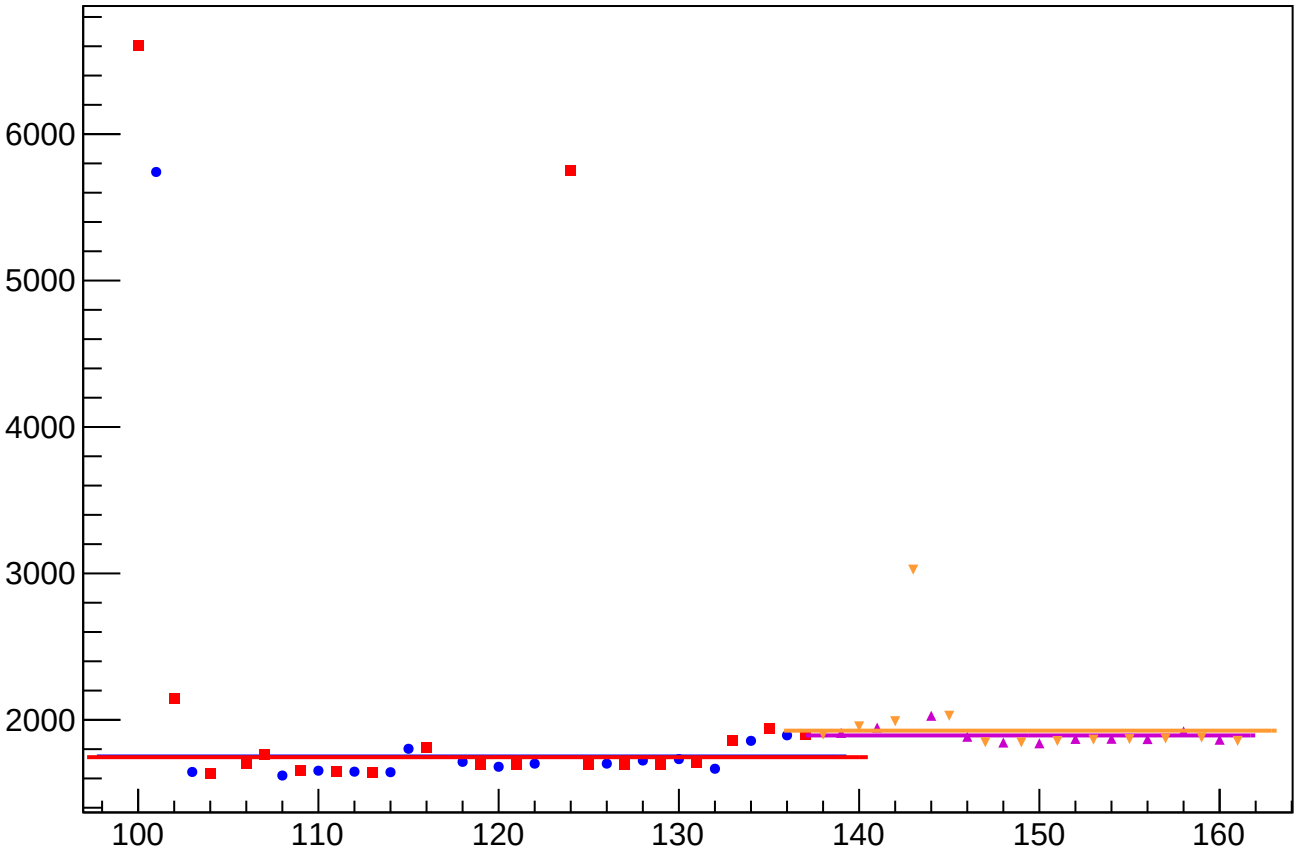
Left: 440.908+/-429.271 χ^2/NDF: 40.4/23

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 7.967+/-451.242 χ^2/NDF:29.0/26

Out: 553.284+/-443.150 χ^2/NDF:37.5/31

All: 285.559+/-316.177 χ^2/NDF: 67.3/58



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

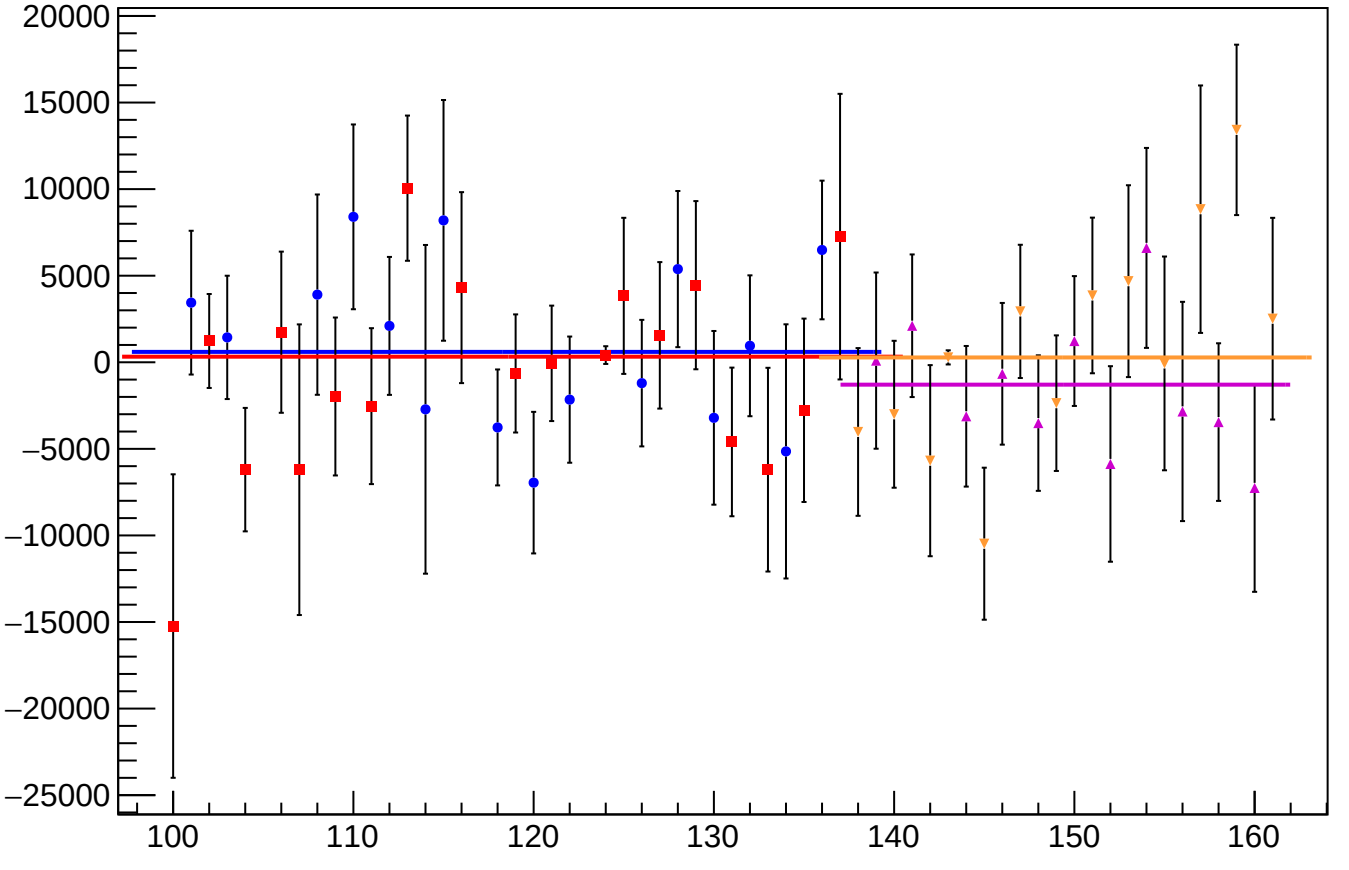
Left: 1910.342+/-0.304 χ^2/NDF: 254713.6/23

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1827.884+/-0.319 χ^2/NDF:733746.0/26

Out: 1843.165+/-0.313 χ^2/NDF:619387.5/31

All: 1835.675+/-0.223 χ^2/NDF: 1354303.0/58



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 278.164+/-392.580 χ^2/NDF:19.5/12

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1292.900+/-1391.167 χ^2/NDF:5.6/10

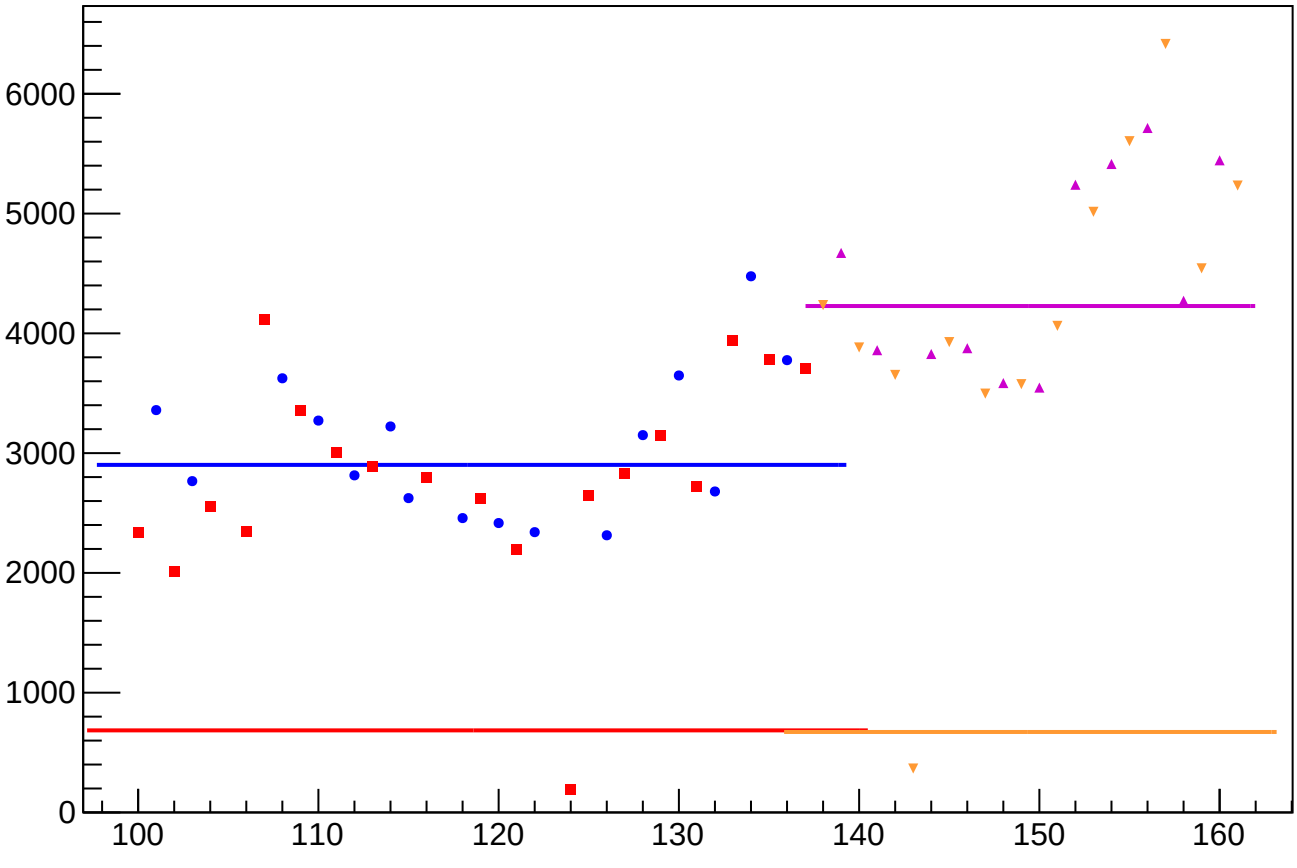
Left: 162.282+/-377.825 χ^2/NDF: 26.2/23

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -128.168+/-862.915 χ^2/NDF:21.6/26

Out: 297.182+/-298.304 χ^2/NDF:38.5/31

All: 251.777+/-281.933 χ^2/NDF: 60.3/58



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 671.949+/-0.278 χ^2/NDF:14603114.5/12

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

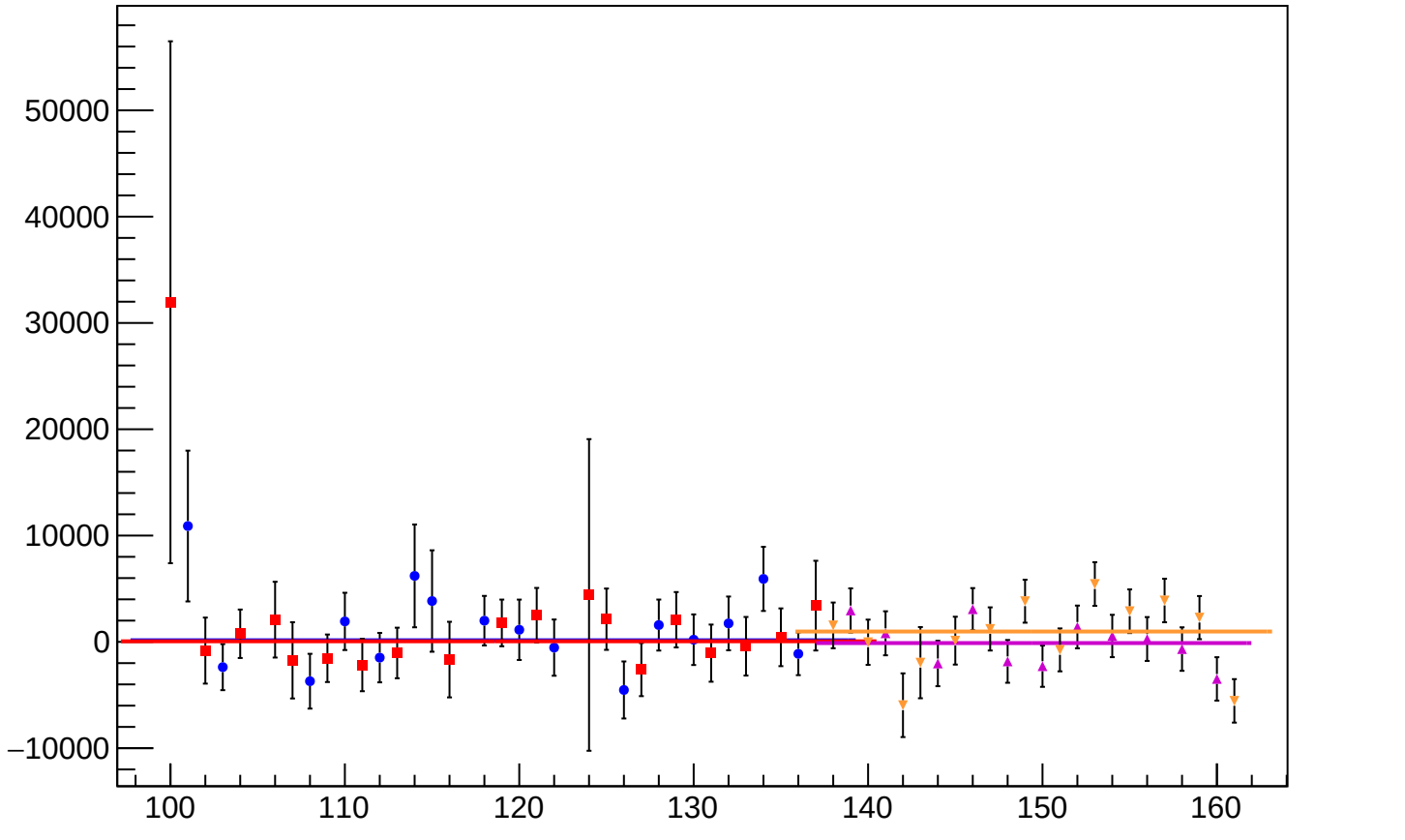
Left: 934.256+/-0.267 χ^2/NDF: 27235022.7/23

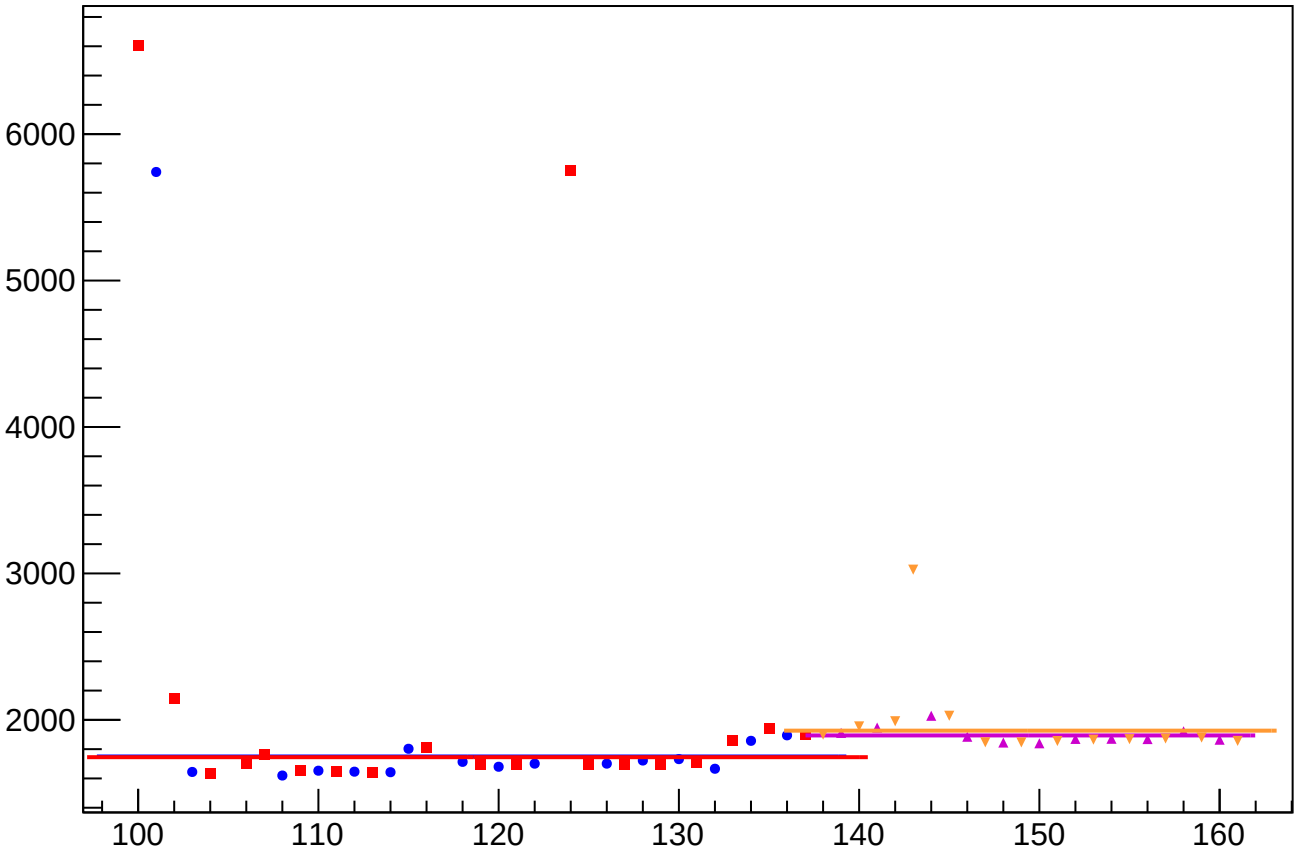
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3412.155+/-0.610 χ^2/NDF:2126111.7/26

Out: 677.573+/-0.211 χ^2/NDF:24709883.1/31

All: 969.481+/-0.199 χ^2/NDF: 44777125.8/58


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 973.983+/-601.587 χ²/NDF:27.5/12
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -112.098+/-612.730 χ²/NDF:11.3/10
Left: 440.908+/-429.271 χ²/NDF: 40.4/23
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: 7.967+/-451.242 χ²/NDF:29.0/26
Out: 553.284+/-443.150 χ²/NDF:37.5/31
All: 285.559+/-316.177 χ²/NDF: 67.3/58



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

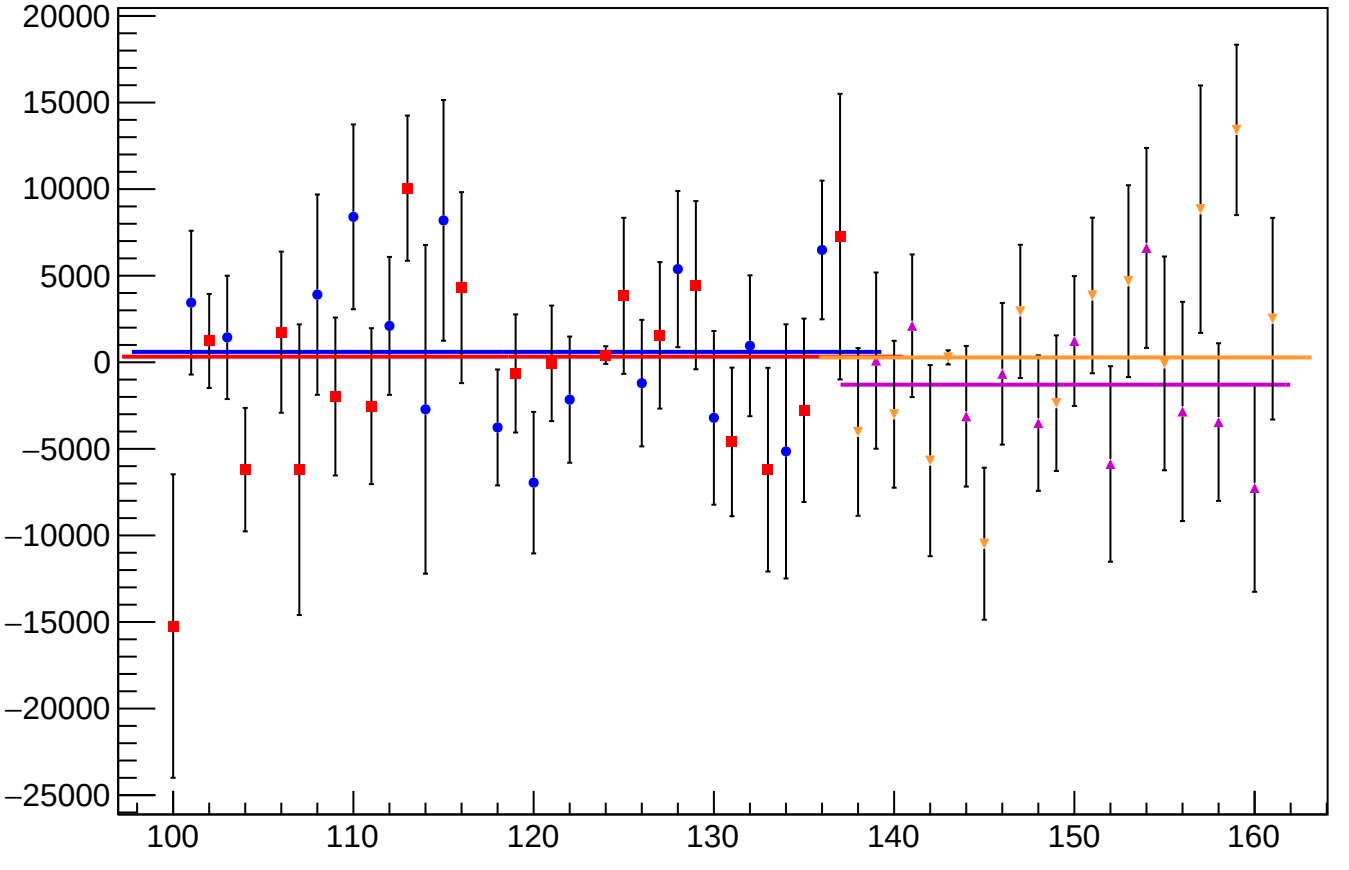
Left: 1910.342+/-0.304 χ^2/NDF: 254713.6/23

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1827.884+/-0.319 χ^2/NDF:733746.0/26

Out: 1843.165+/-0.313 χ^2/NDF:619387.5/31

All: 1835.675+/-0.223 χ^2/NDF: 1354303.0/58



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 278.164+/-392.580 χ^2/NDF:19.5/12

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1292.900+/-1391.167 χ^2/NDF:5.6/10

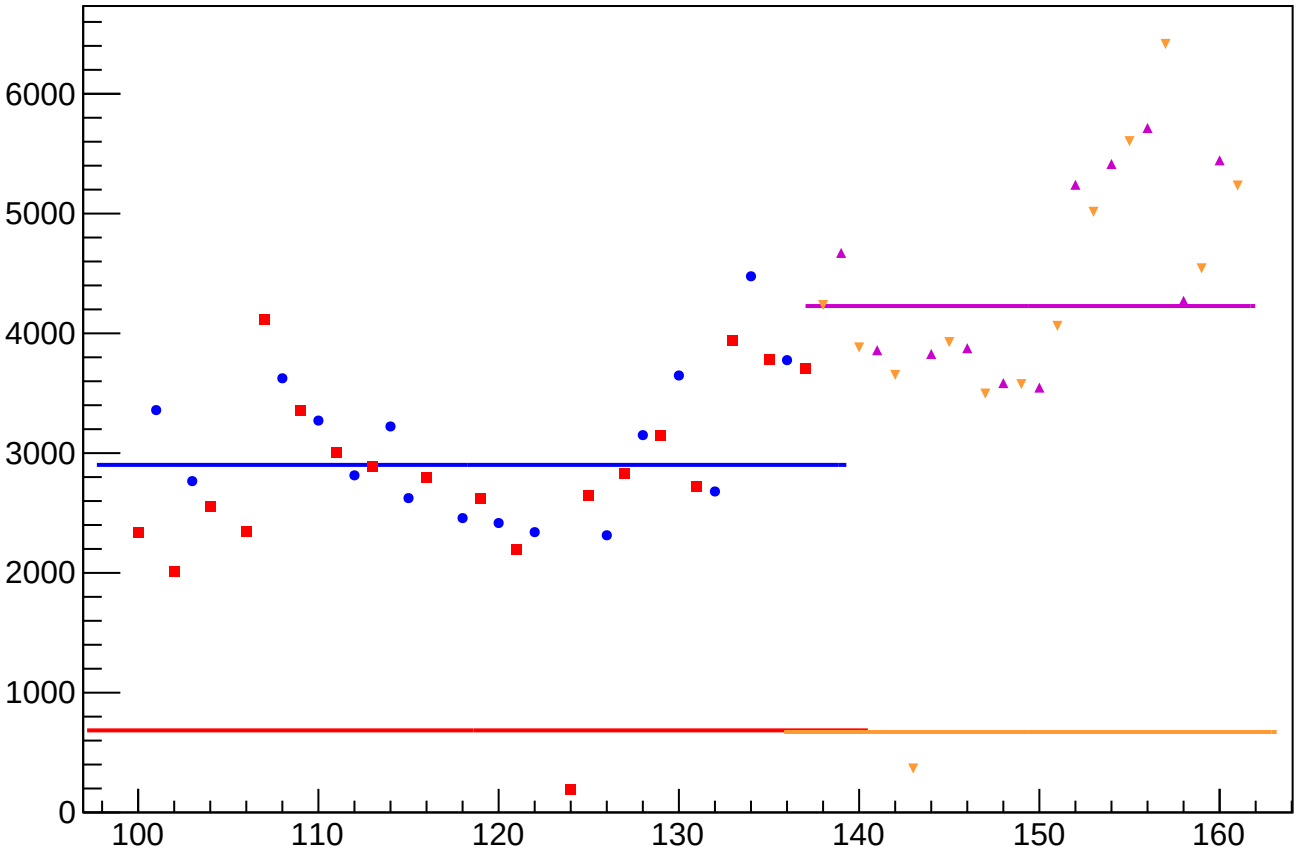
Left: 162.282+/-377.825 χ^2/NDF: 26.2/23

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -128.168+/-862.915 χ^2/NDF:21.6/26

Out: 297.182+/-298.304 χ^2/NDF:38.5/31

All: 251.777+/-281.933 χ^2/NDF: 60.3/58



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 671.949+/-0.278 χ^2/NDF:14603114.5/12

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

Left: 934.256+/-0.267 χ^2/NDF: 27235022.7/23

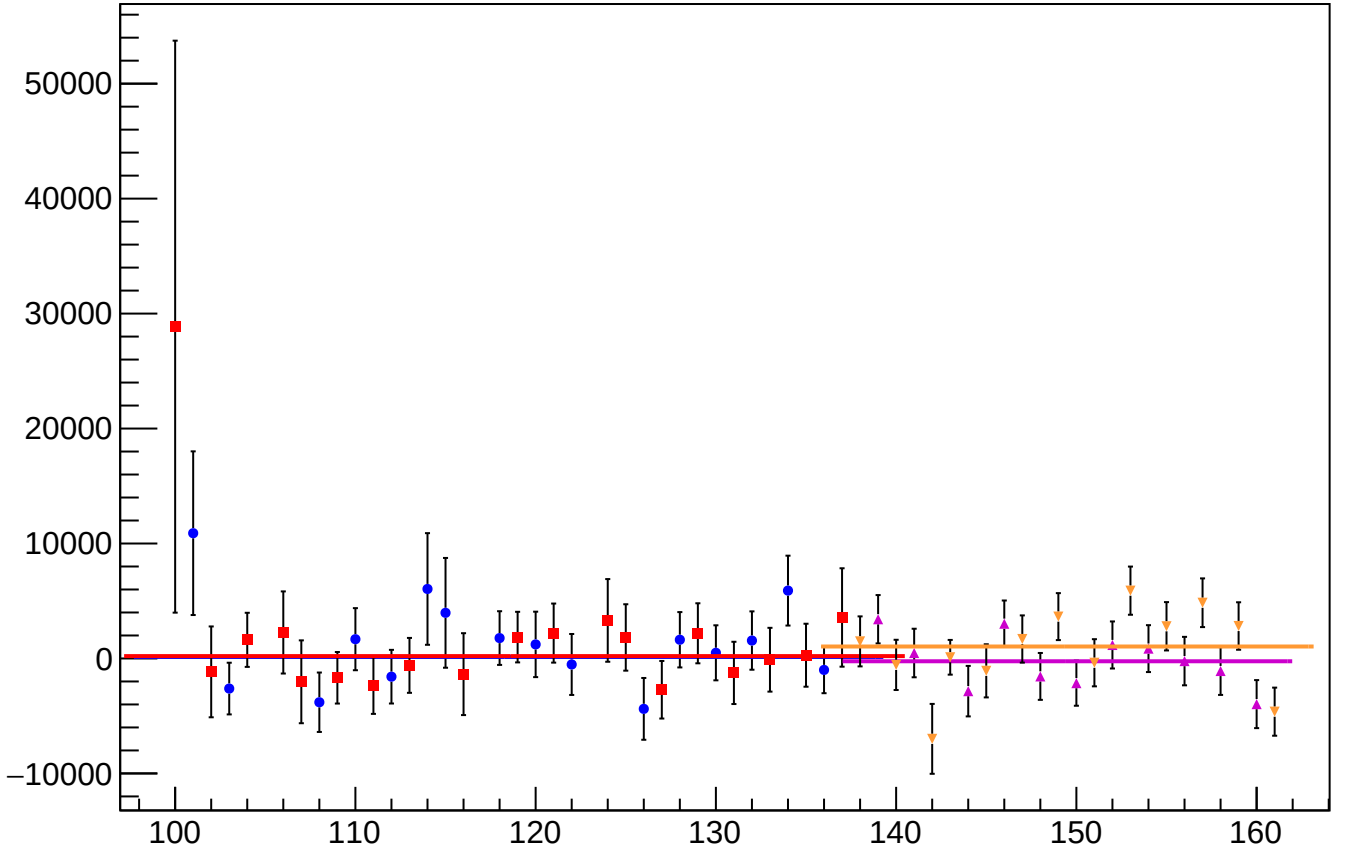
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3412.155+/-0.610 χ^2/NDF:2126111.7/26

Out: 677.573+/-0.211 χ^2/NDF:24709883.1/31

All: 969.481+/-0.199 χ^2/NDF: 44777125.8/58

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1040.752+/-576.425 χ^2/NDF:28.4/12

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -243.059+/-624.159 χ^2/NDF:12.6/10

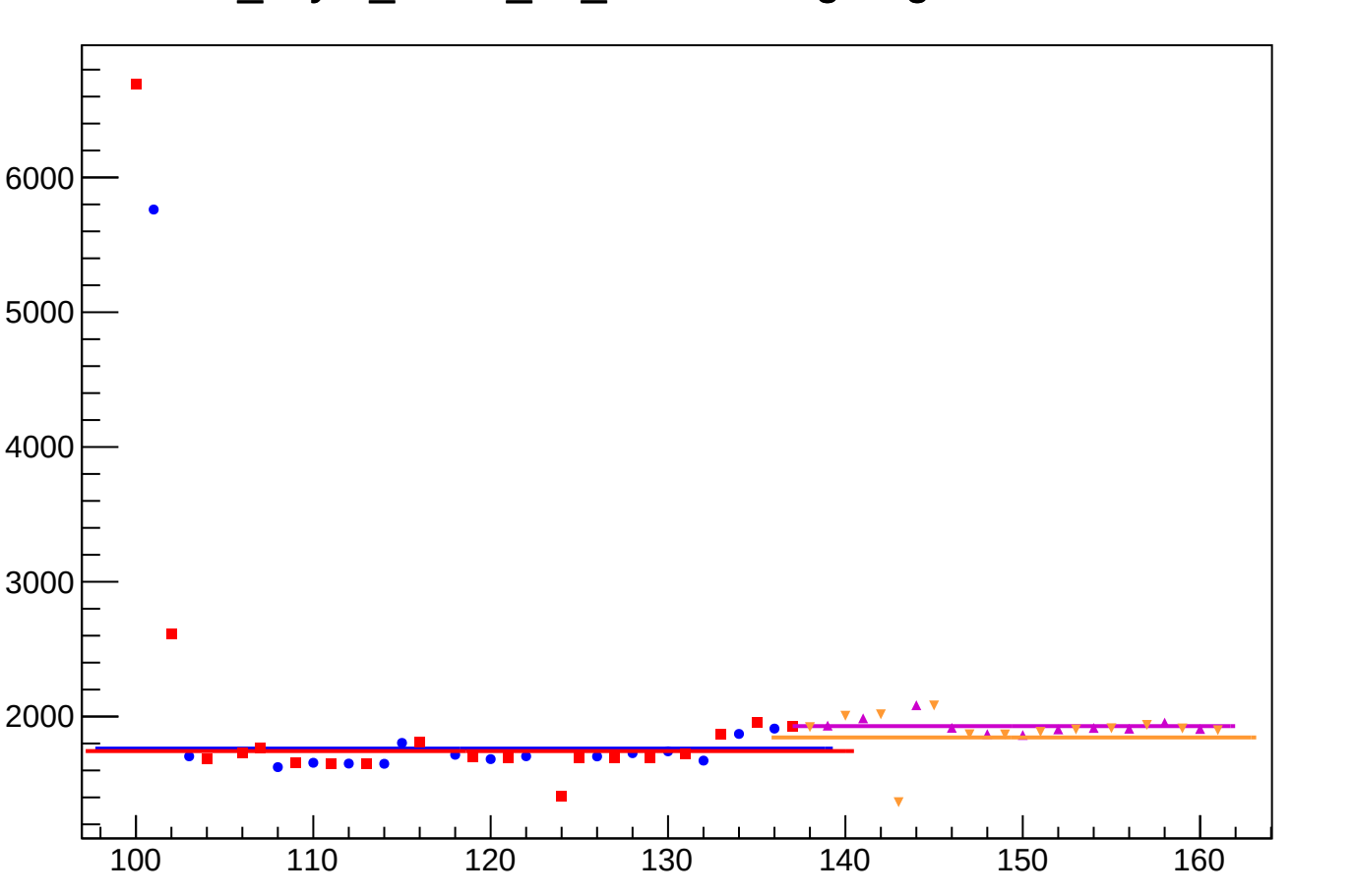
Left: 449.809+/-423.465 χ^2/NDF: 43.3/23

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -68.397+/-457.206 χ^2/NDF:30.1/26

Out: 675.824+/-432.562 χ^2/NDF:39.0/31

All: 324.311+/-314.219 χ^2/NDF: 70.5/58



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1844.845+/-0.408 χ^2/NDF:255576.9/12

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1928.837+/-0.441 χ^2/NDF:16479.0/10

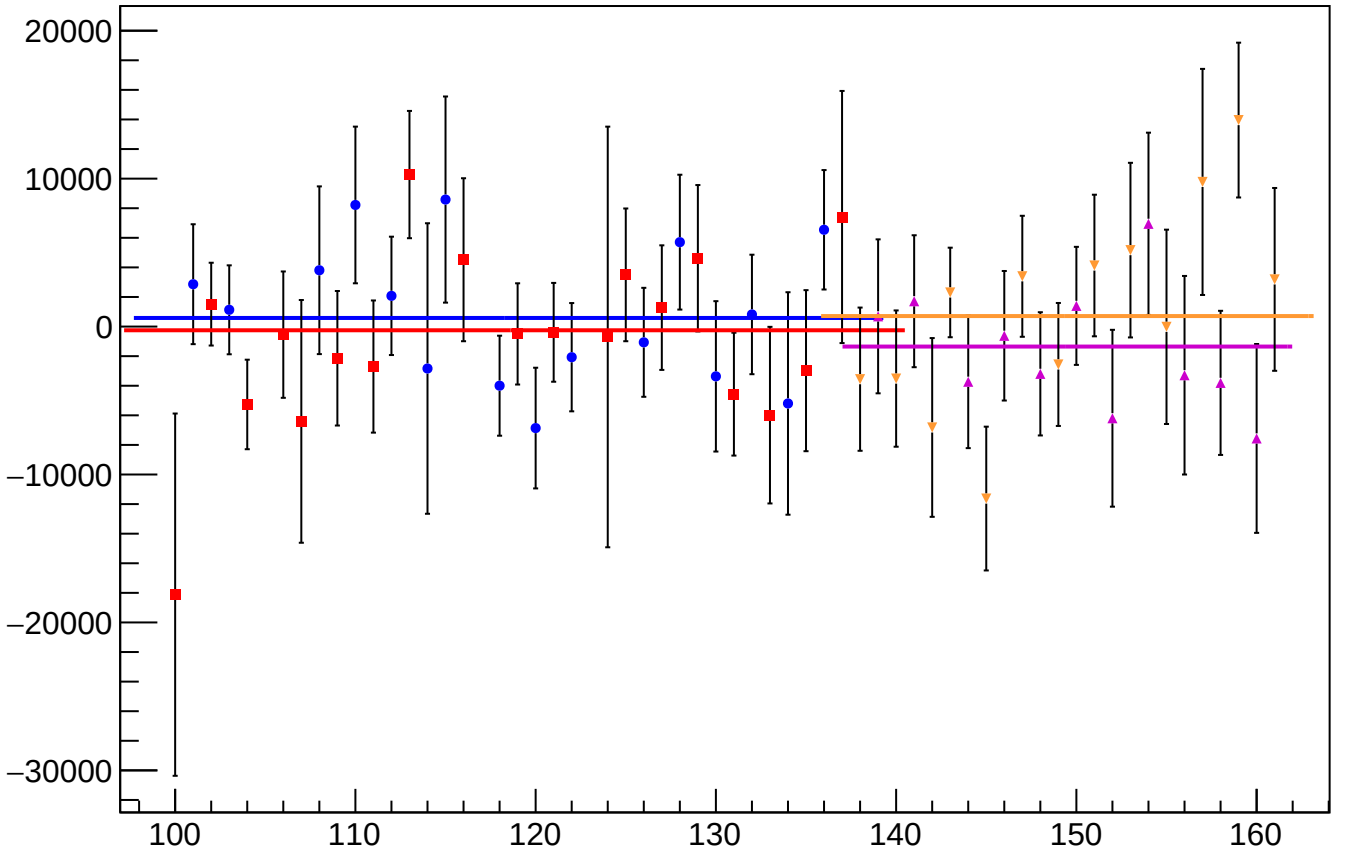
Left: 1883.507+/-0.299 χ^2/NDF: 291601.8/23

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1851.545+/-0.323 χ^2/NDF:750355.8/26

Out: 1800.525+/-0.305 χ^2/NDF:510316.0/31

All: 1824.591+/-0.222 χ^2/NDF: 1273829.4/58



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 710.421+/-1334.223 χ^2/NDF:20.0/12

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1351.038+/-1486.246 χ^2/NDF:5.4/10

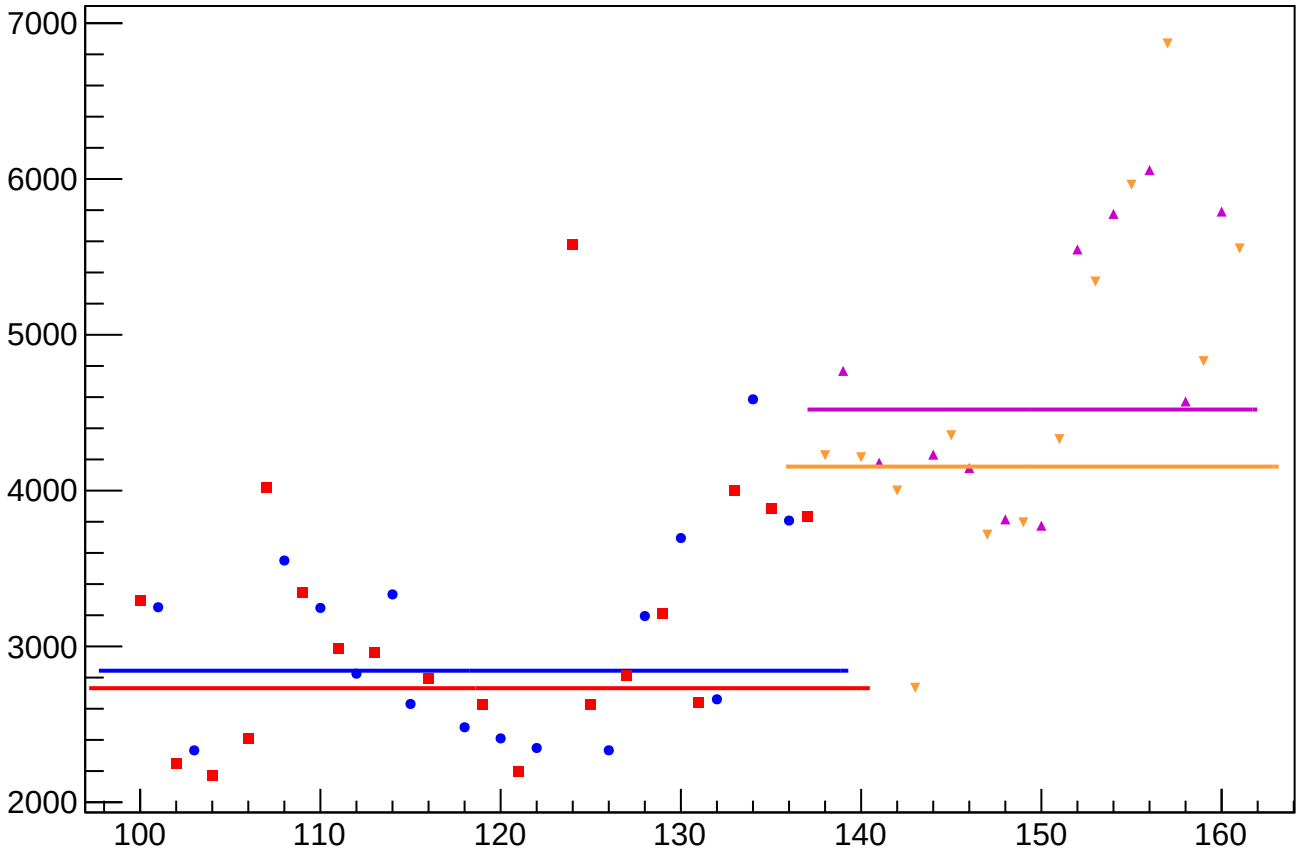
Left: -209.518+/-992.848 χ^2/NDF: 26.4/23

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -87.046+/-874.472 χ^2/NDF:21.3/26

Out: 104.567+/-810.837 χ^2/NDF:38.3/31

All: 15.985+/-594.573 χ^2/NDF: 59.6/58



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4154.130+/-0.943 χ^2/NDF:1107083.9/12

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4520.320+/-1.051 χ^2/NDF:492946.0/10

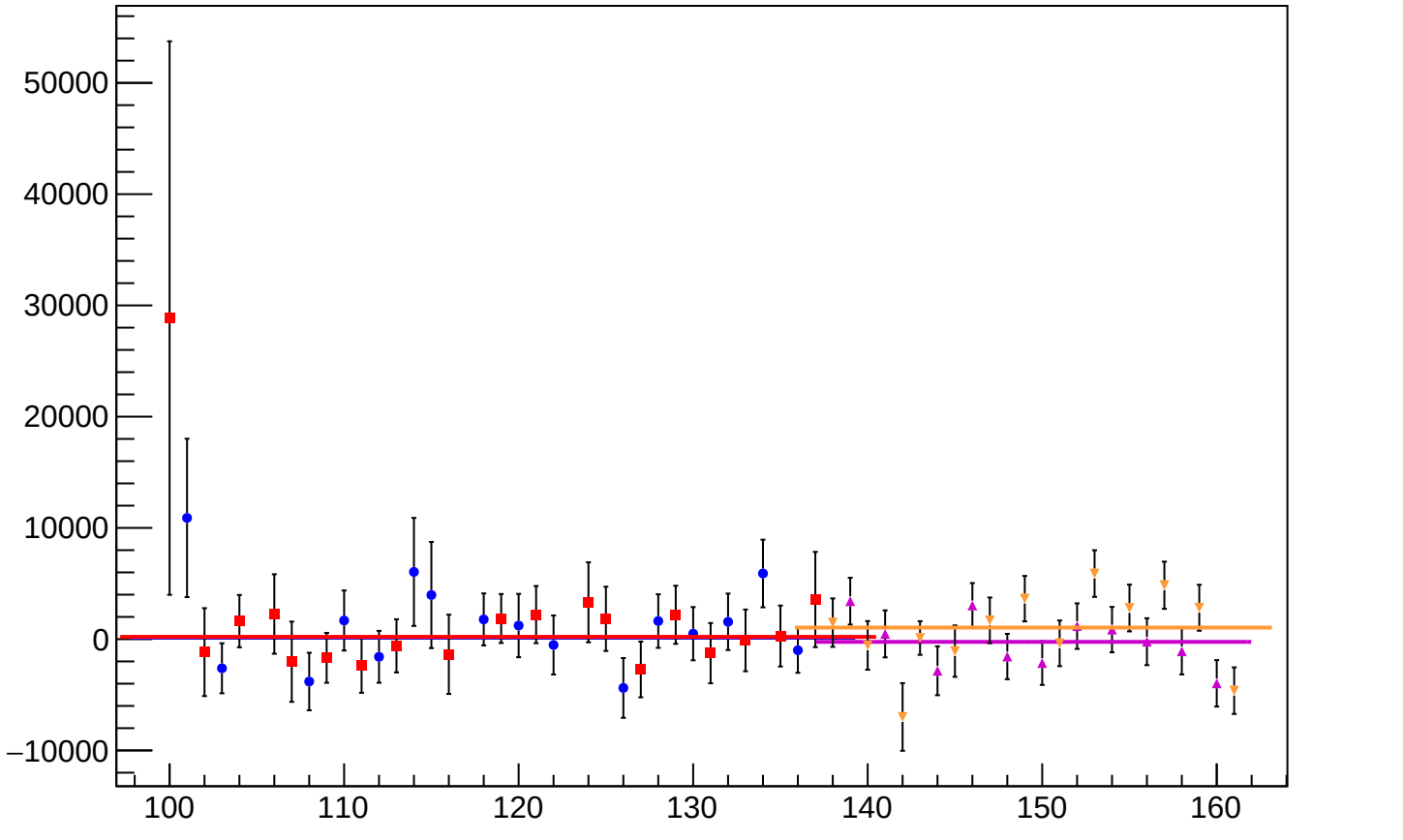
Left: 4317.545+/-0.702 χ^2/NDF: 1667261.4/23

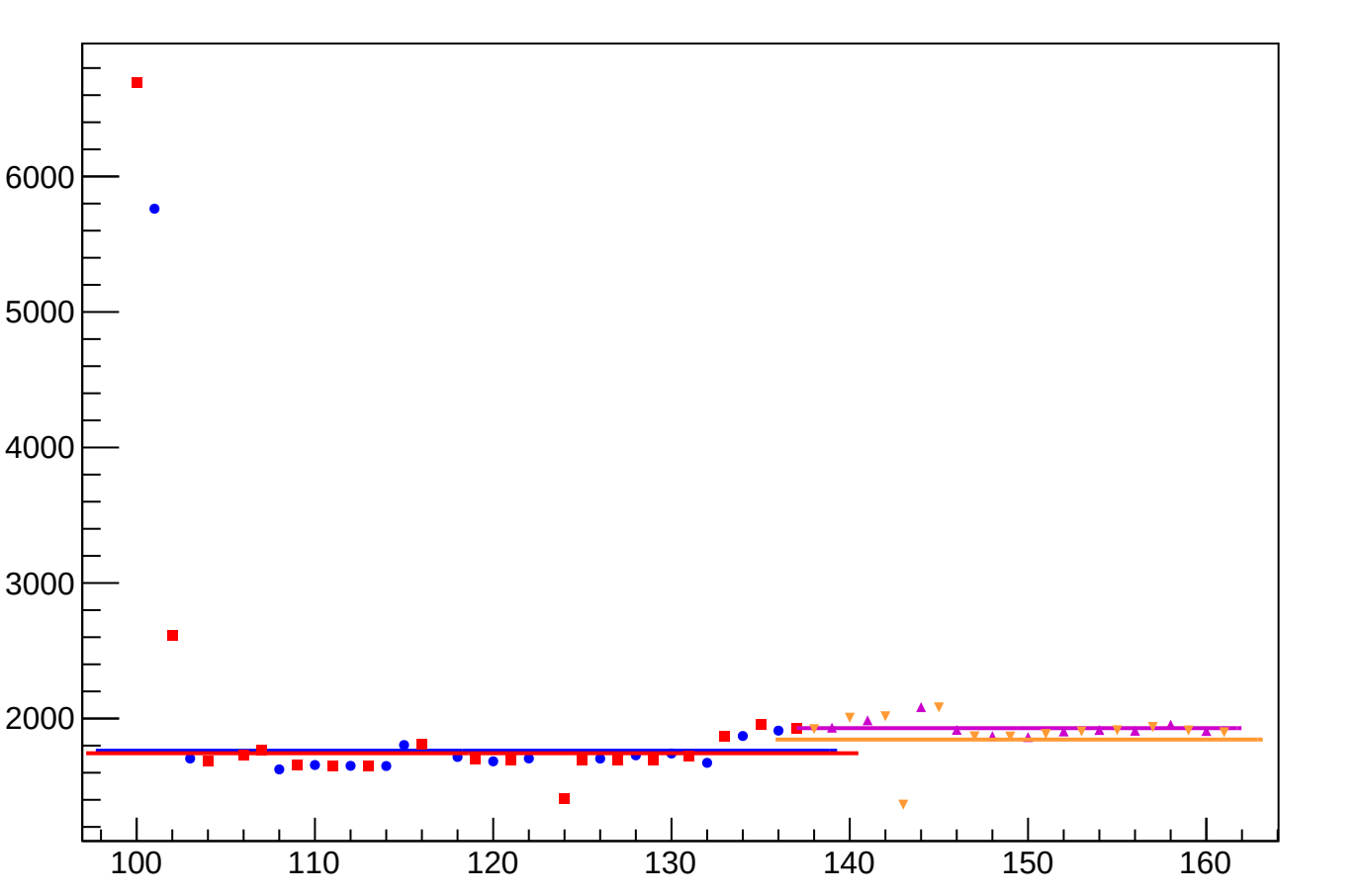
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3424.419+/-0.618 χ^2/NDF:2698151.7/26

Out: 3257.215+/-0.573 χ^2/NDF:3151437.3/31

All: 3334.513+/-0.420 χ^2/NDF: 5888905.7/58


eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 133.837+/-671.621 χ²/NDF: 17.3/15
Left Out: 1040.753+/-576.426 χ²/NDF:28.4/12
Right Out: 205.422+/-654.444 χ²/NDF: 9.7/18
Left In: -243.062+/-624.160 χ²/NDF:12.6/10
Left: 449.808+/-423.465 χ²/NDF: 43.3/23
Right: 170.557+/-468.717 χ²/NDF: 27.0/34
In: -68.399+/-457.206 χ²/NDF:30.1/26
Out: 675.823+/-432.562 χ²/NDF:39.0/31
All: 324.310+/-314.219 χ²/NDF: 70.5/58



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1844.846+/-0.408 χ^2/NDF:255578.1/12

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1928.838+/-0.441 χ^2/NDF:16479.2/10

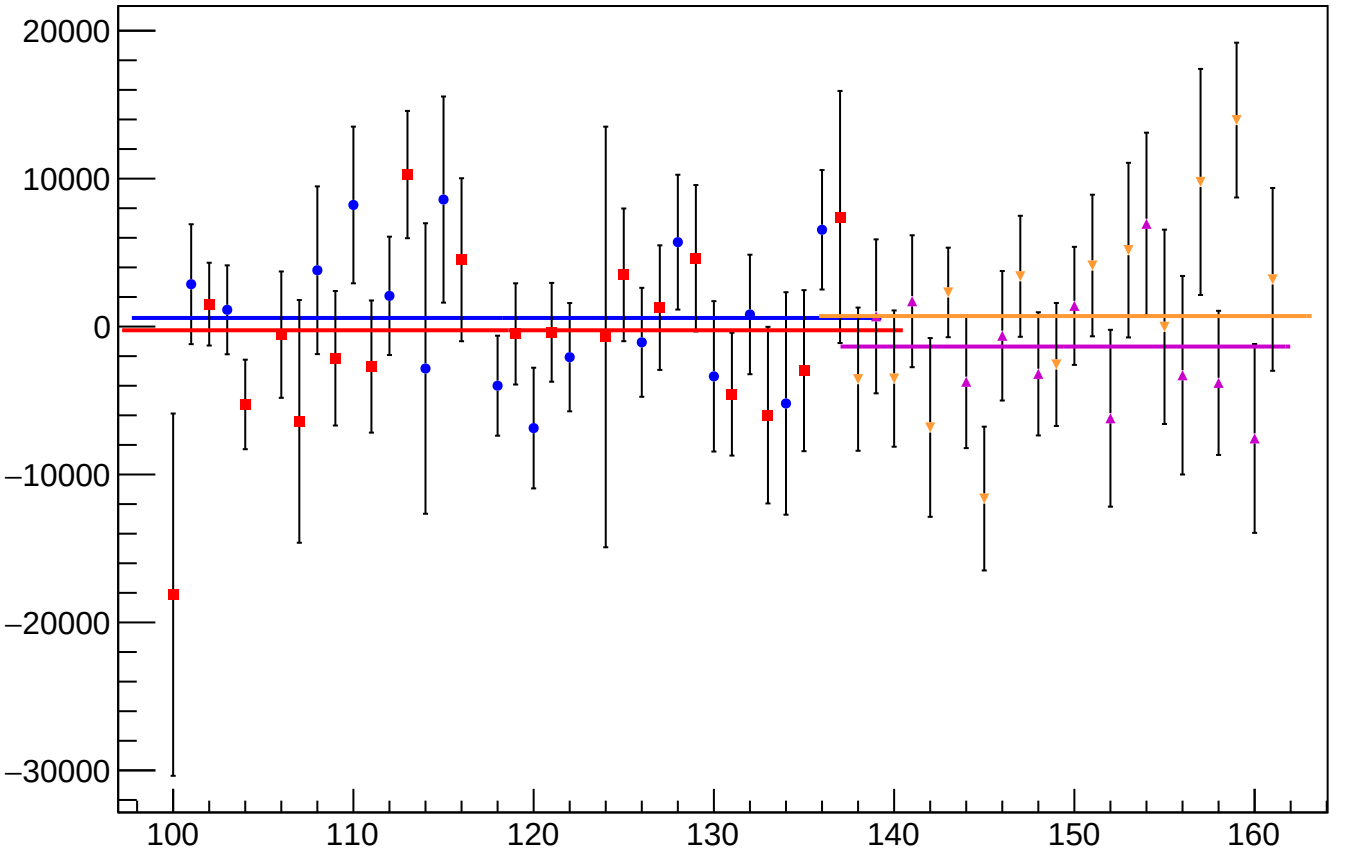
Left: 1883.508+/-0.299 χ^2/NDF: 291603.3/23

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1851.546+/-0.323 χ^2/NDF:750356.7/26

Out: 1800.525+/-0.305 χ^2/NDF:510317.8/31

All: 1824.591+/-0.222 χ^2/NDF: 1273832.2/58



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 710.425+/-1334.225 χ^2/NDF:20.0/12

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1351.040+/-1486.248 χ^2/NDF:5.4/10

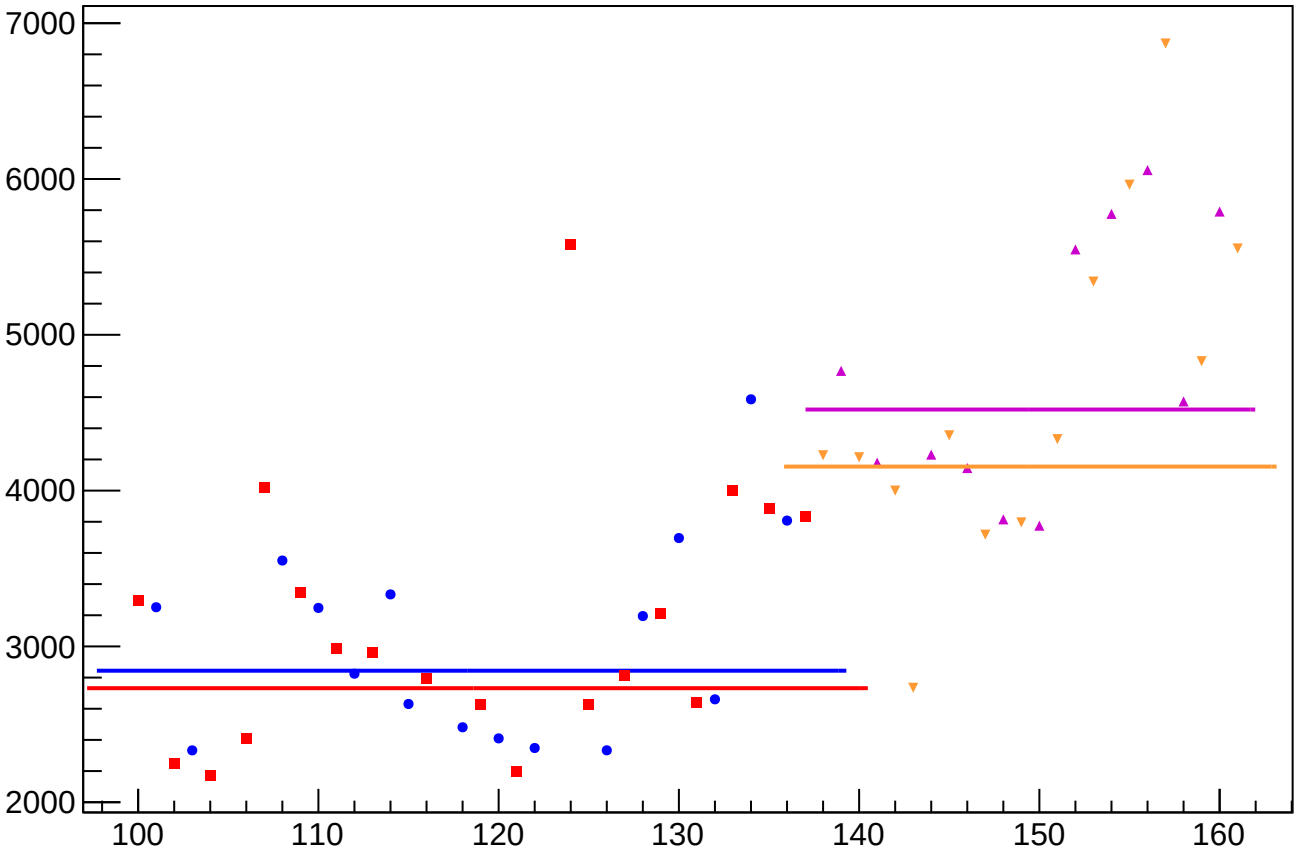
Left: -209.517+/-992.849 χ^2/NDF: 26.4/23

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

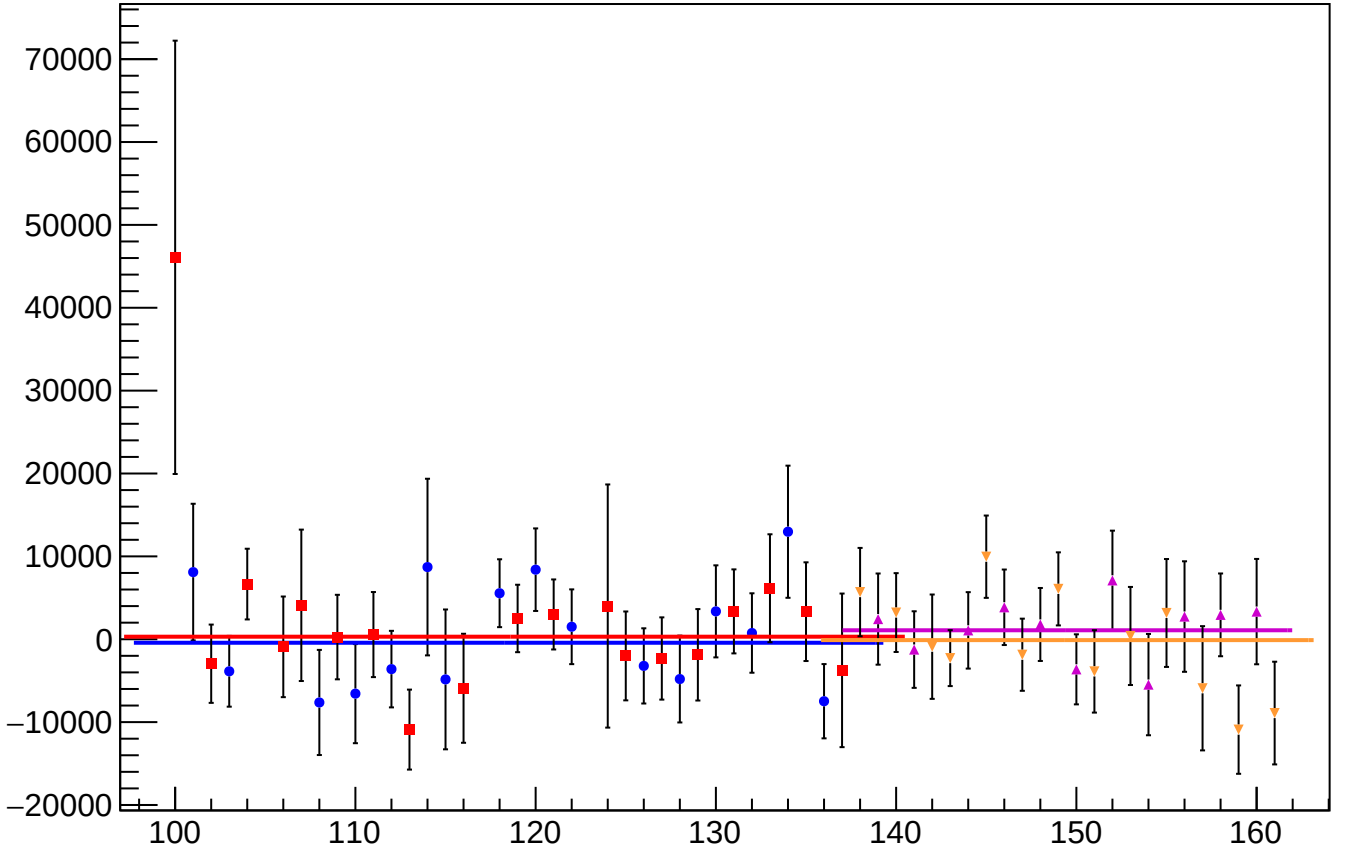
In: -87.046+/-874.471 χ^2/NDF:21.3/26

Out: 104.566+/-810.836 χ^2/NDF:38.3/31

All: 15.985+/-594.573 χ^2/NDF: 59.6/58


asym_atr1l2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2844.145+/-0.765 χ²/NDF: 542036.2/15
Left Out: 4154.134+/-0.943 χ²/NDF:1107089.1/12
Right Out: 2731.972+/-0.722 χ²/NDF: 611272.5/18
Left In: 4520.326+/-1.051 χ²/NDF:492948.5/10
Left: 4317.550+/-0.702 χ²/NDF: 1667269.5/23
Right: 2784.835+/-0.525 χ²/NDF: 1164685.2/34
In: 3424.413+/-0.618 χ²/NDF:2698184.9/26
Out: 3257.211+/-0.573 χ²/NDF:3151460.1/31
All: 3334.508+/-0.420 χ²/NDF: 5888960.9/58

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -105.529+/-1402.012 χ^2/NDF:15.9/12

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1083.131+/-1534.791 χ^2/NDF:4.4/10

Left: 435.169+/-1035.137 χ^2/NDF: 20.7/23

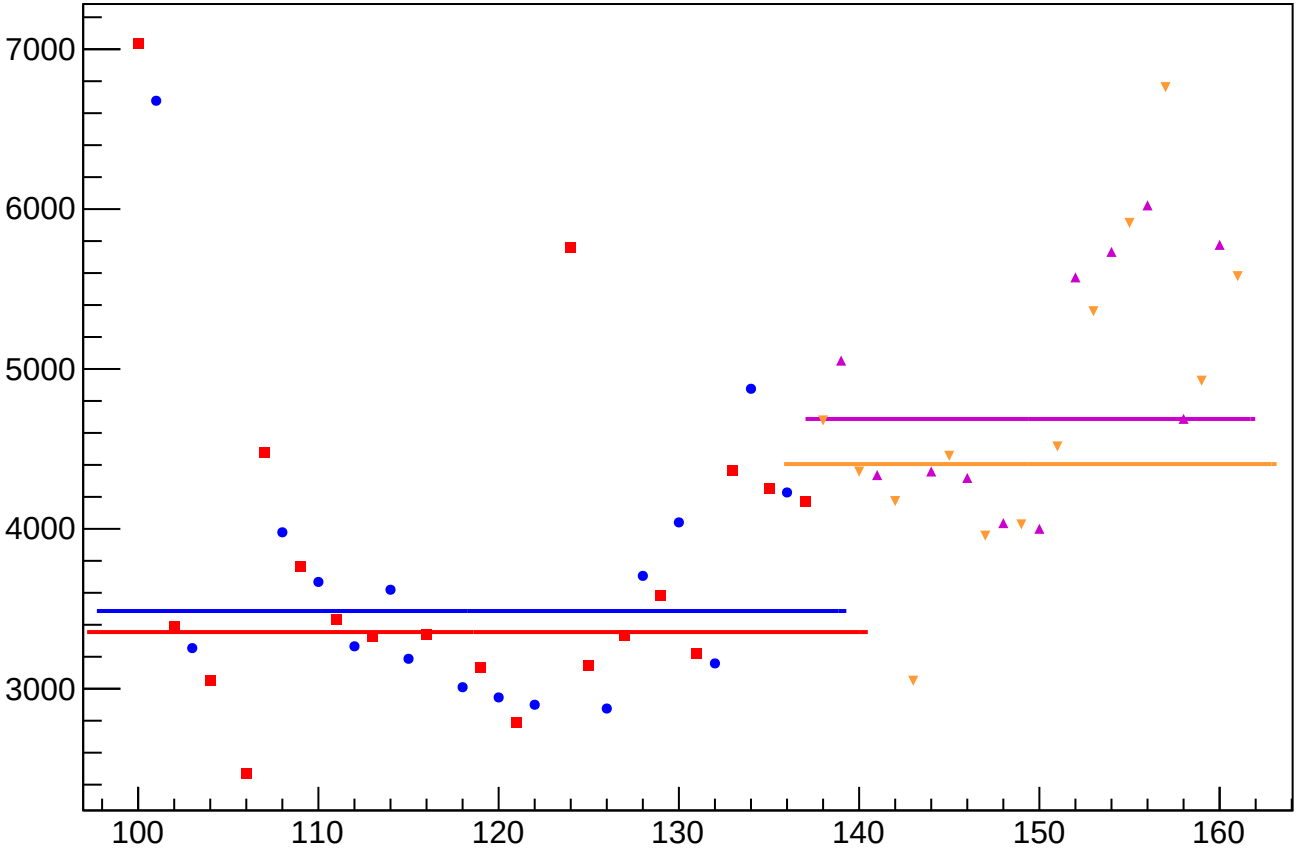
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 221.349+/-1003.931 χ^2/NDF:22.9/26

Out: 120.599+/-943.565 χ^2/NDF:31.2/31

All: 167.854+/-687.552 χ^2/NDF: 54.1/58

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4405.210+/-0.991 χ^2/NDF:816016.6/12

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4687.354+/-1.085 χ^2/NDF:381231.0/10

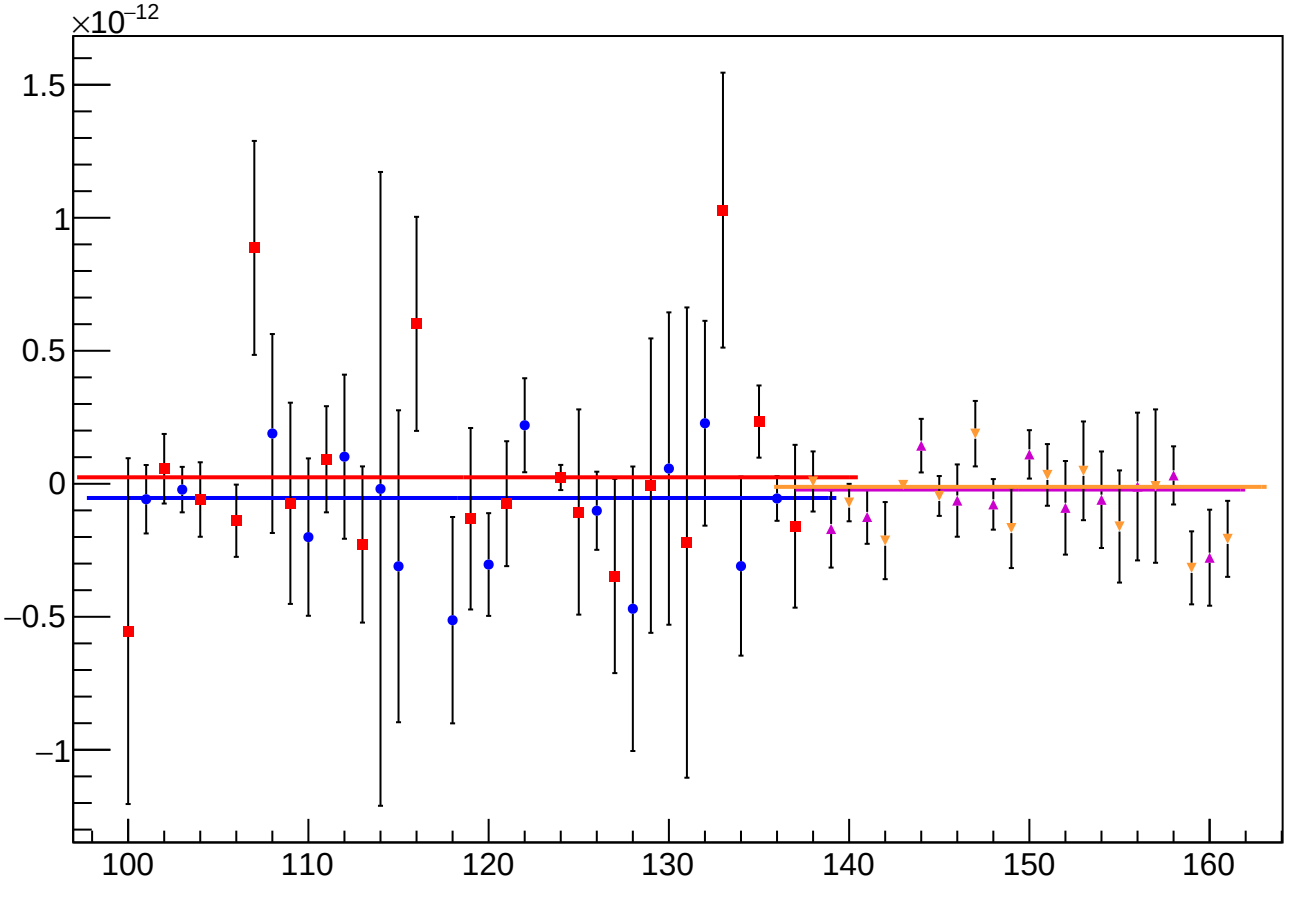
Left: 4533.552+/-0.732 χ^2/NDF: 1234091.5/23

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4000.114+/-0.710 χ^2/NDF:1677912.5/26

Out: 3823.068+/-0.662 χ^2/NDF:1814841.8/31

All: 3905.428+/-0.484 χ^2/NDF: 3526020.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/10

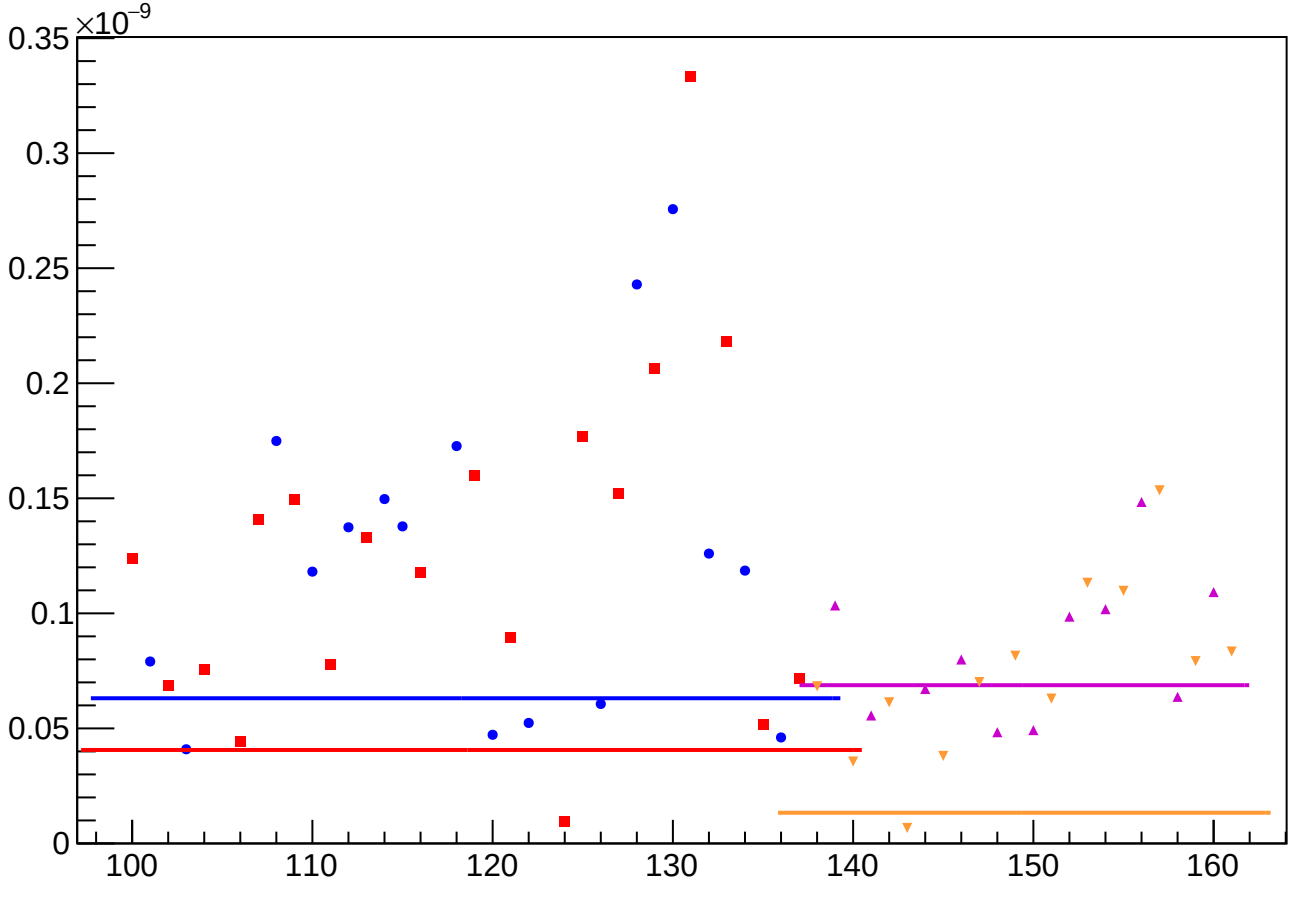
Left: -0.000+/-0.000 χ^2/NDF: 24.3/23

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:18.6/26

Out: -0.000+/-0.000 χ^2/NDF:33.7/31

All: -0.000+/-0.000 χ^2/NDF: 53.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5249616.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:739349.6/10

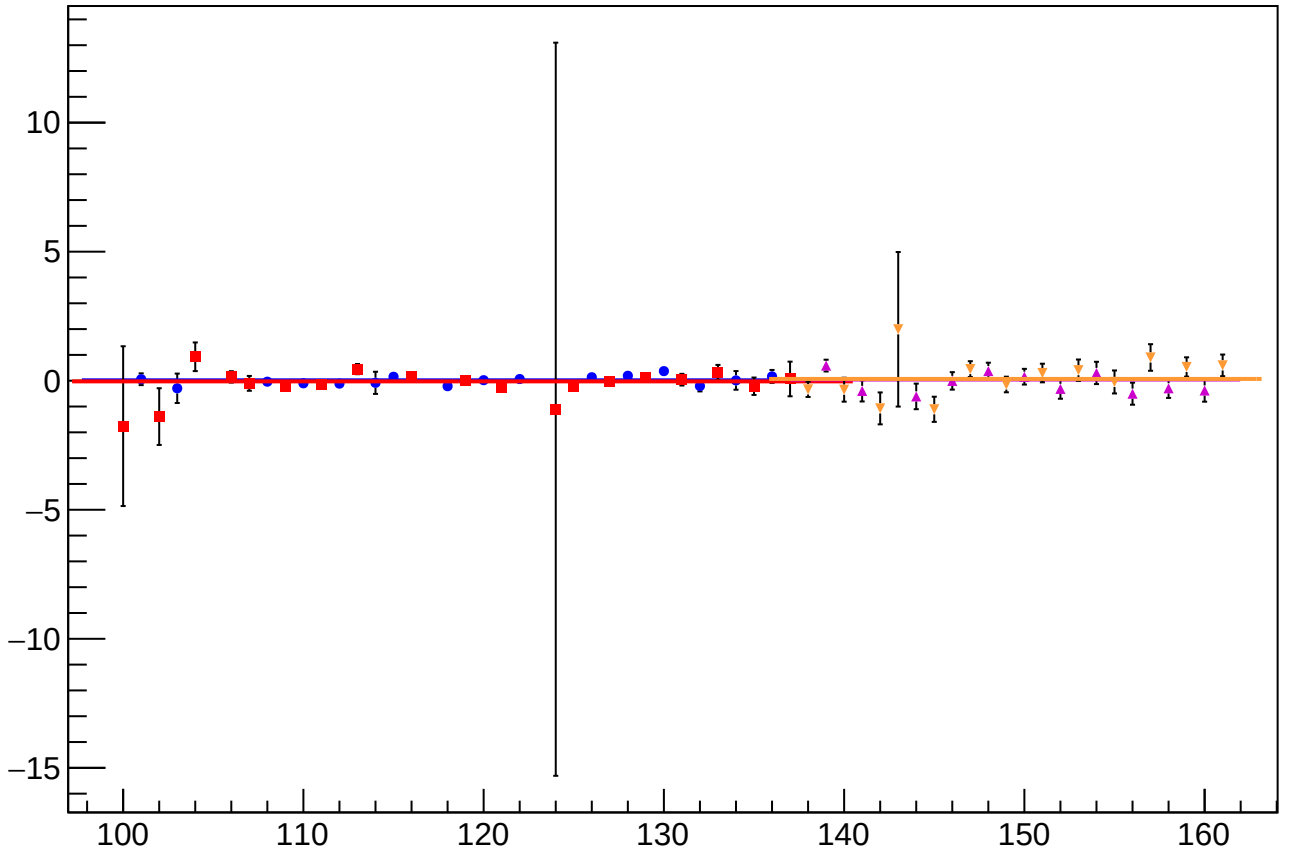
Left: 0.000+/-0.000 χ^2/NDF: 9989954.1/23

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2190489.1/26

Out: 0.000+/-0.000 χ^2/NDF:9467924.0/31

All: 0.000+/-0.000 χ^2/NDF: 16999110.0/58



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.047+/-0.106 χ^2/NDF:14.3/10

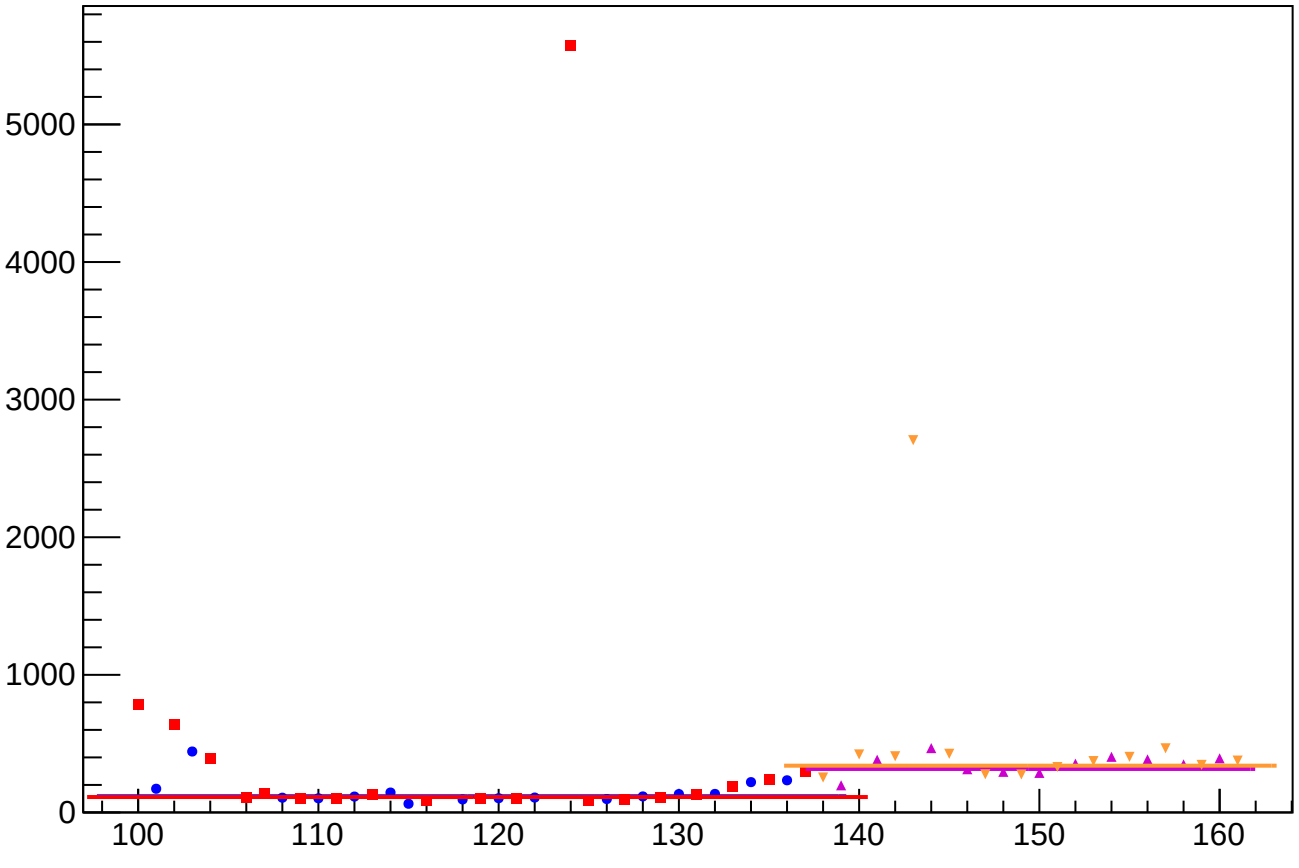
Left: 0.057+/-0.077 χ^2/NDF: 35.6/23

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.012+/-0.043 χ^2/NDF:43.9/31

All: 0.004+/-0.031 χ^2/NDF: 70.4/58



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 339.934+/-0.079 χ^2/NDF:1931008.6/12

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

Left: 327.405+/-0.055 χ^2/NDF: 3021540.0/23

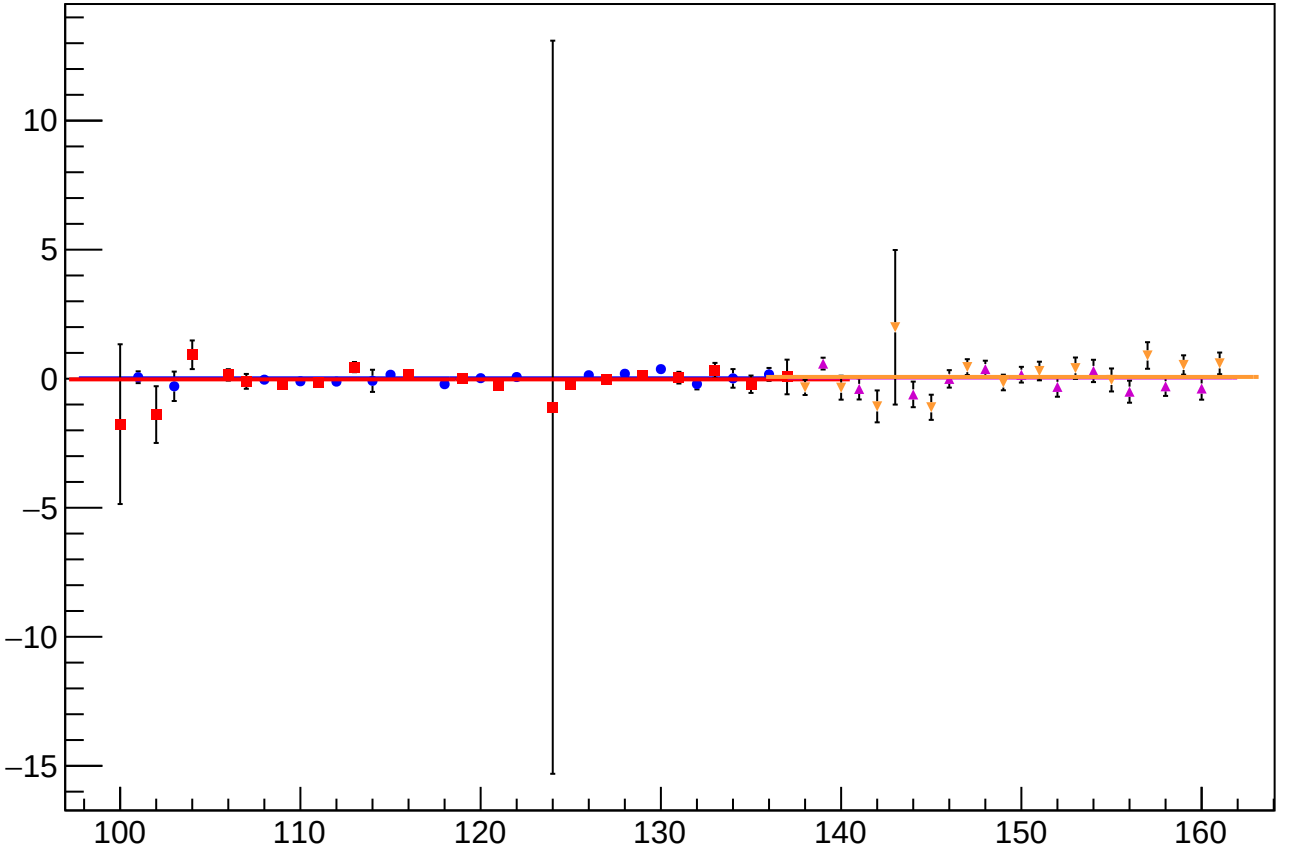
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 151.084+/-0.031 χ^2/NDF:8549902.9/26

Out: 146.090+/-0.031 χ^2/NDF:11170224.3/31

All: 148.560+/-0.022 χ^2/NDF: 19733343.0/58

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.047+/-0.106 χ^2/NDF:14.3/10

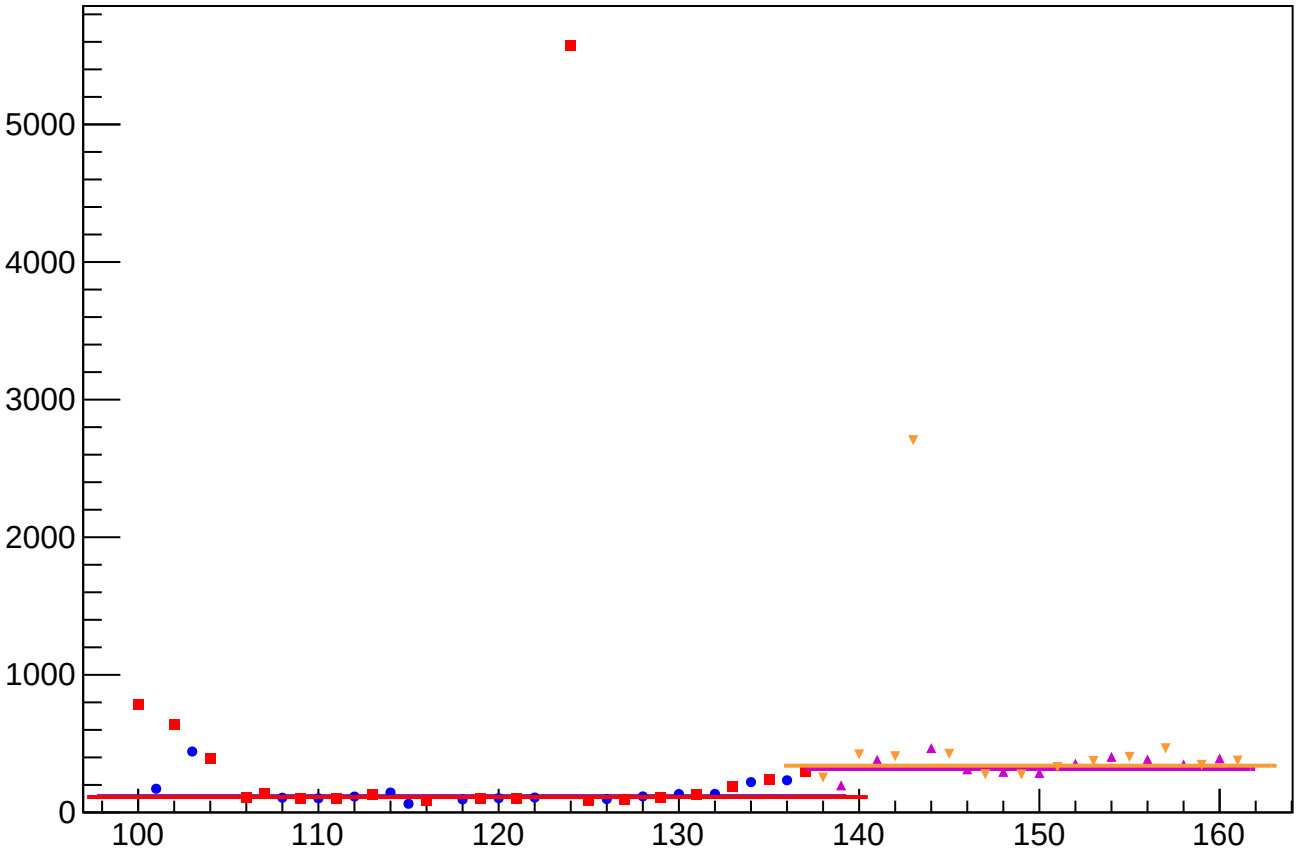
Left: 0.057+/-0.077 χ^2/NDF: 35.6/23

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.012+/-0.043 χ^2/NDF:43.9/31

All: 0.004+/-0.031 χ^2/NDF: 70.4/58



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 339.934+/-0.079 χ^2/NDF:1931008.6/12

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

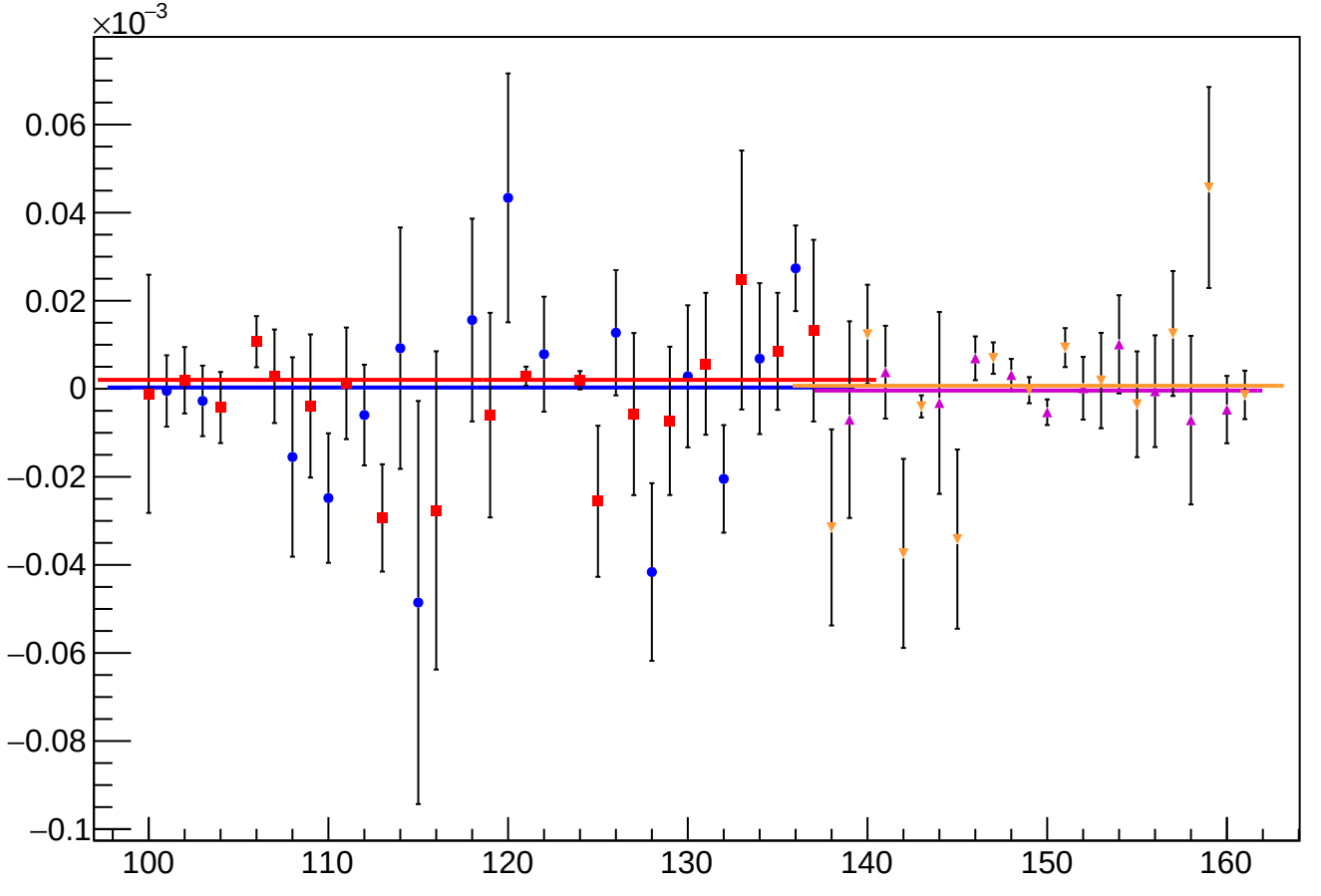
Left: 327.405+/-0.055 χ^2/NDF: 3021540.0/23

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 151.084+/-0.031 χ^2/NDF:8549902.9/26

Out: 146.090+/-0.031 χ^2/NDF:11170224.3/31

All: 148.560+/-0.022 χ^2/NDF: 19733343.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/10

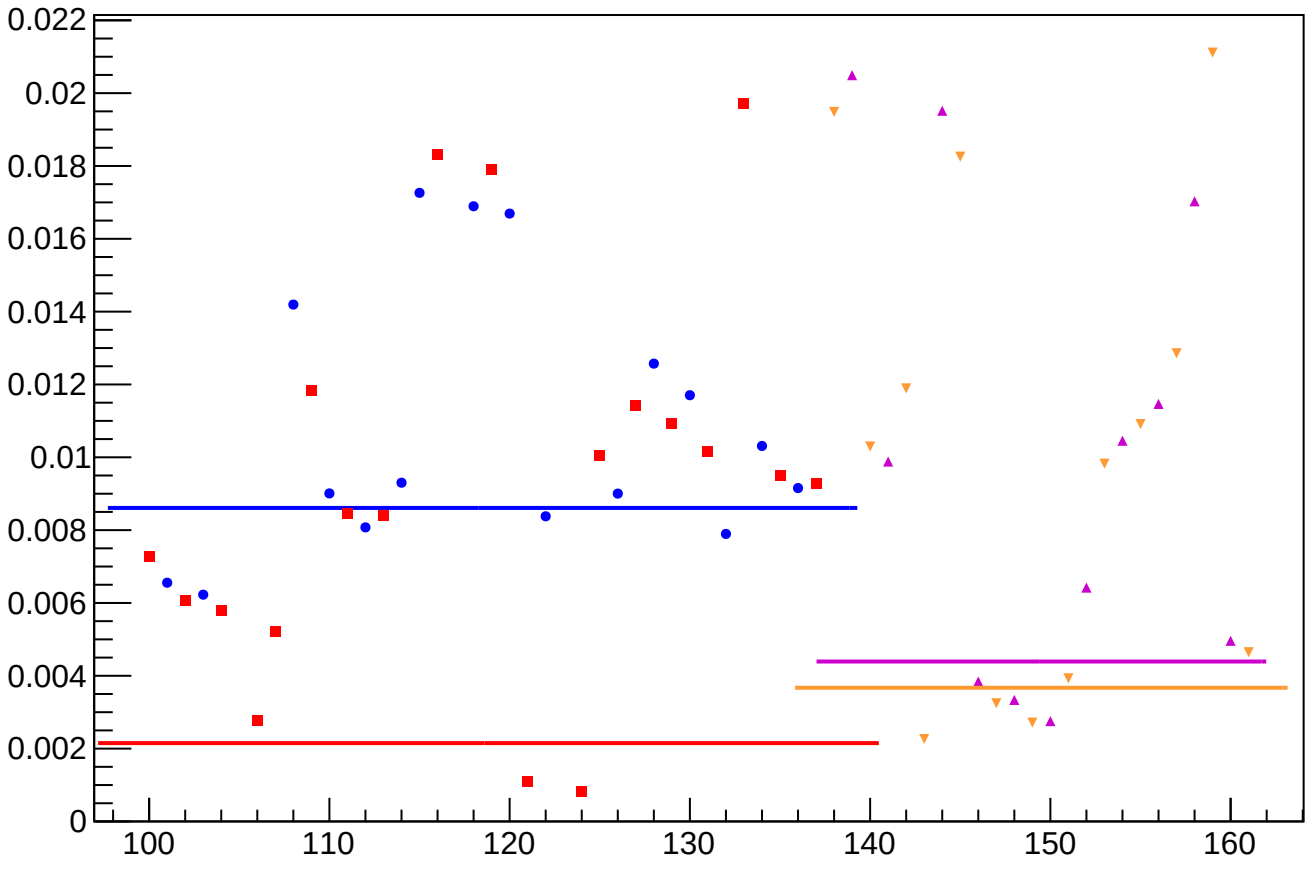
Left: 0.000+/-0.000 χ^2/NDF: 32.4/23

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.7/26

Out: 0.000+/-0.000 χ^2/NDF:39.9/31

All: 0.000+/-0.000 χ^2/NDF: 72.4/58



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7332353.7/12

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:5734702.3/10

Left: 0.004+/-0.000 χ^2/NDF: 13257295.6/23

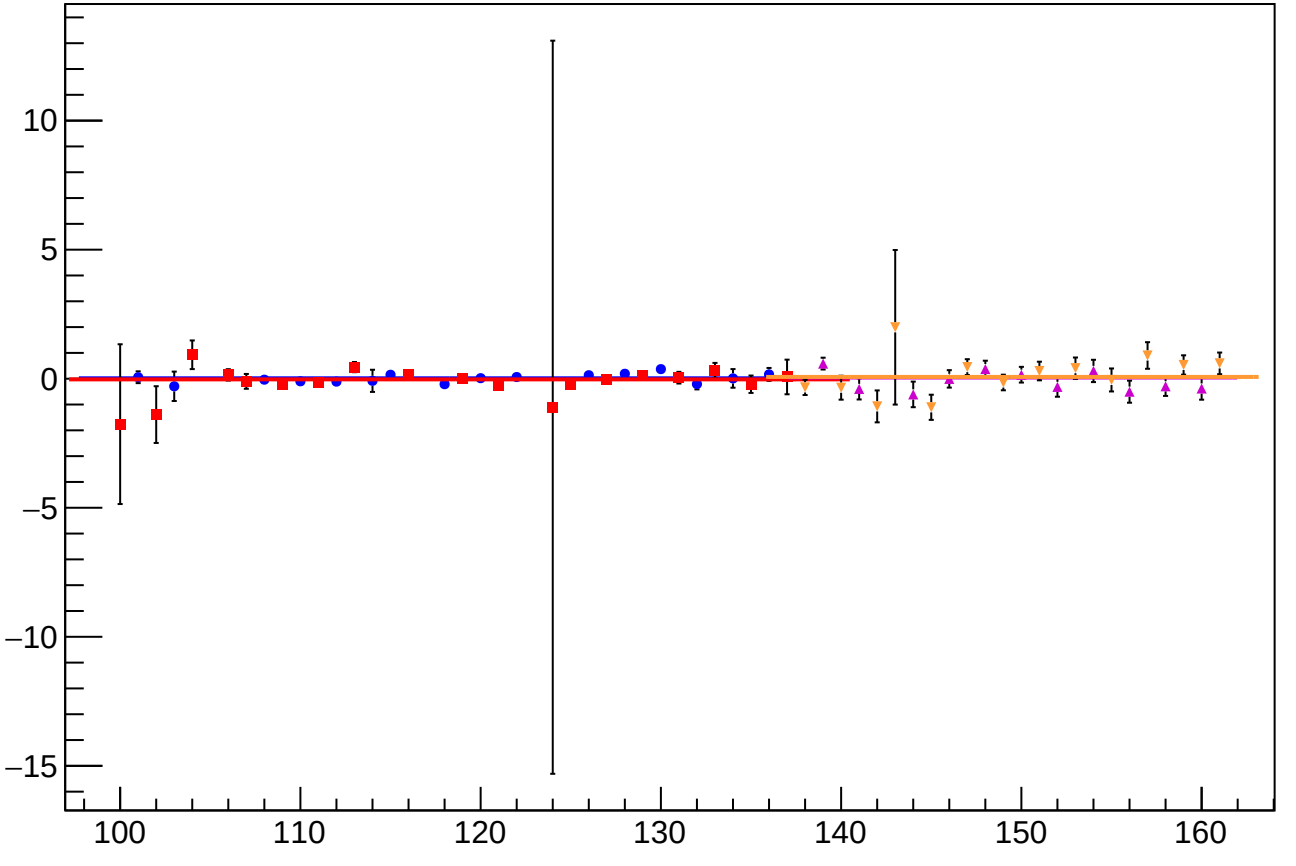
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9266902.0/26

Out: 0.003+/-0.000 χ^2/NDF:17600530.6/31

All: 0.004+/-0.000 χ^2/NDF: 30391650.7/58

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: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.047+/-0.106 χ^2/NDF:14.3/10

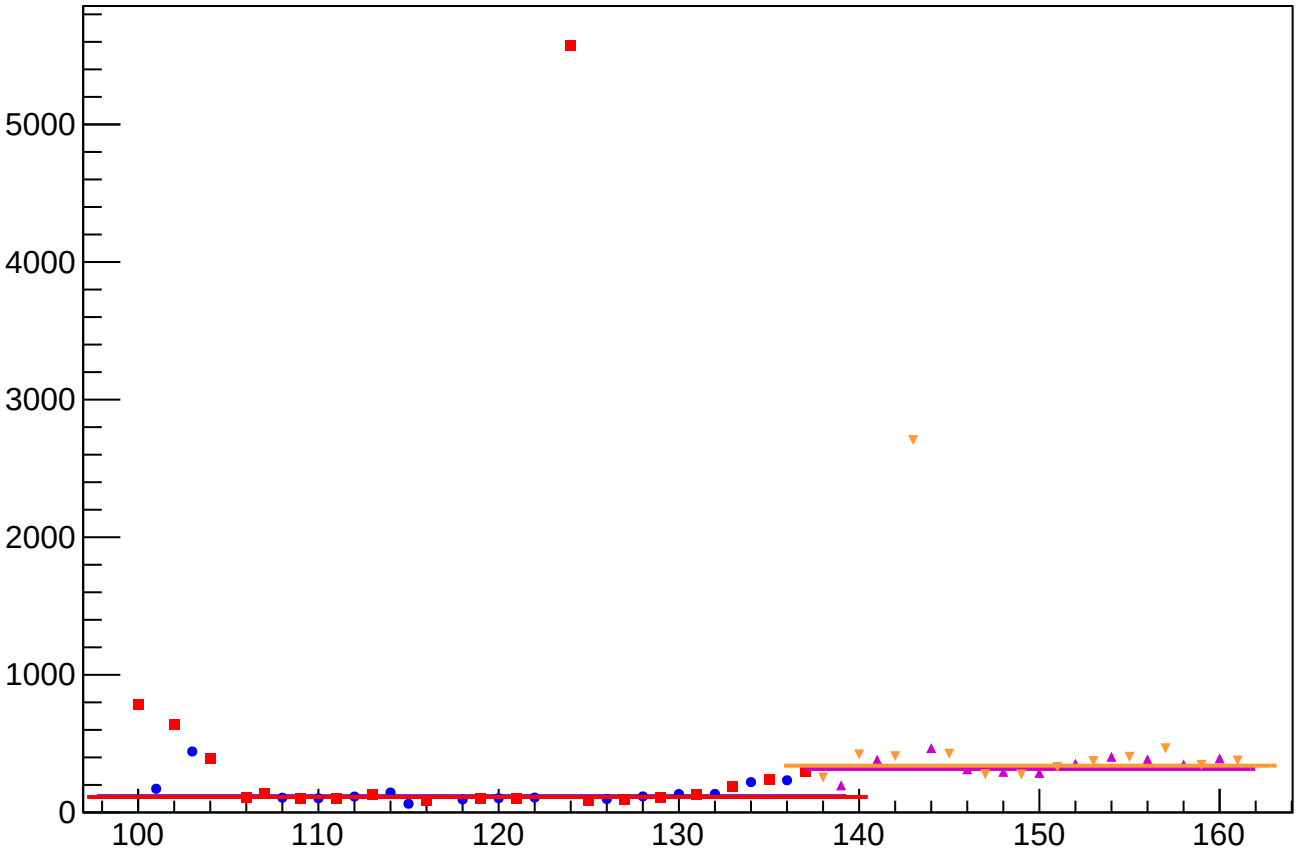
Left: 0.057+/-0.077 χ^2/NDF: 35.6/23

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.012+/-0.043 χ^2/NDF:43.9/31

All: 0.004+/-0.031 χ^2/NDF: 70.4/58



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 339.938+/-0.079 χ^2/NDF:1931052.4/12

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

Left: 327.409+/-0.055 χ^2/NDF: 3021580.8/23

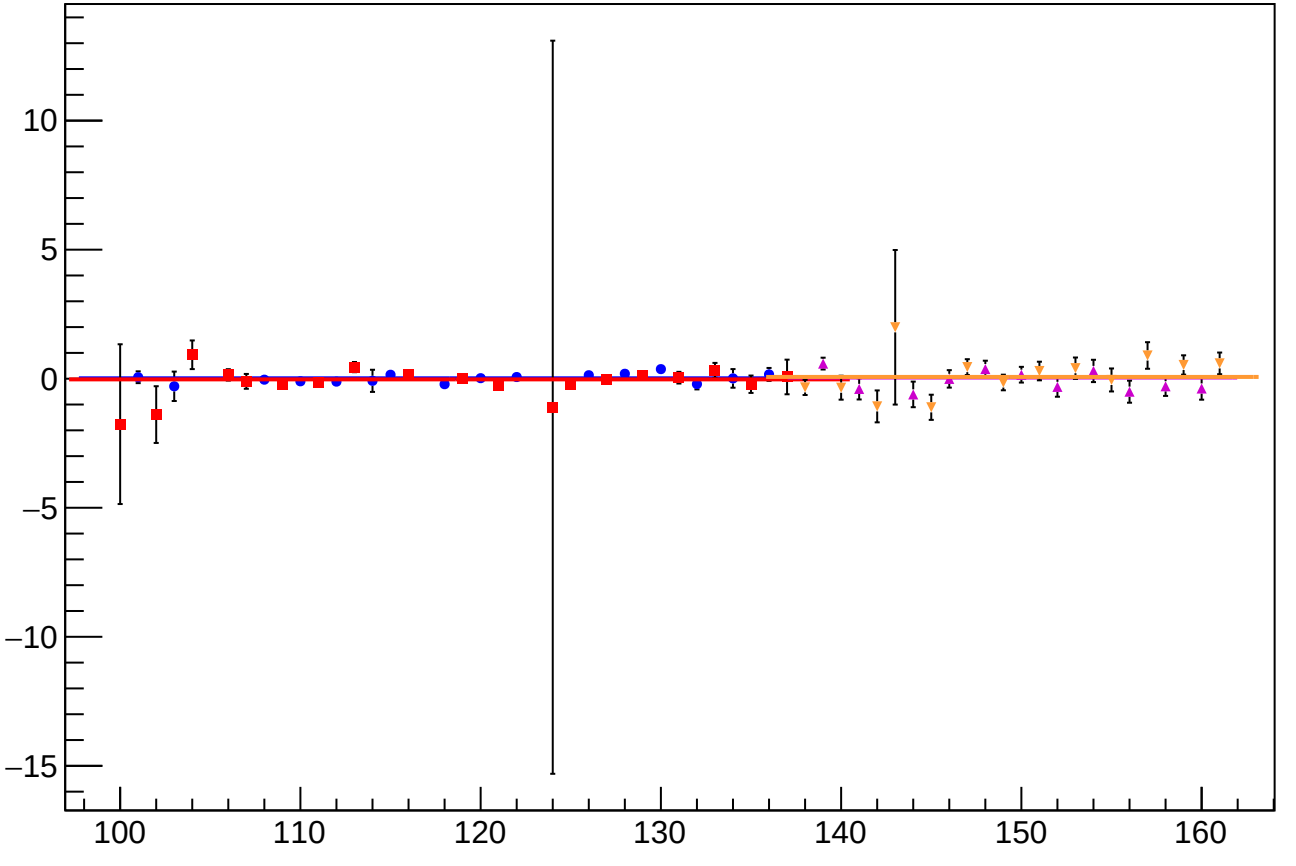
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 151.084+/-0.031 χ^2/NDF:8549985.4/26

Out: 146.092+/-0.031 χ^2/NDF:11170156.4/31

All: 148.561+/-0.022 χ^2/NDF: 19733347.3/58

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.047+/-0.106 χ^2/NDF:14.3/10

Left: 0.057+/-0.077 χ^2/NDF: 35.6/23

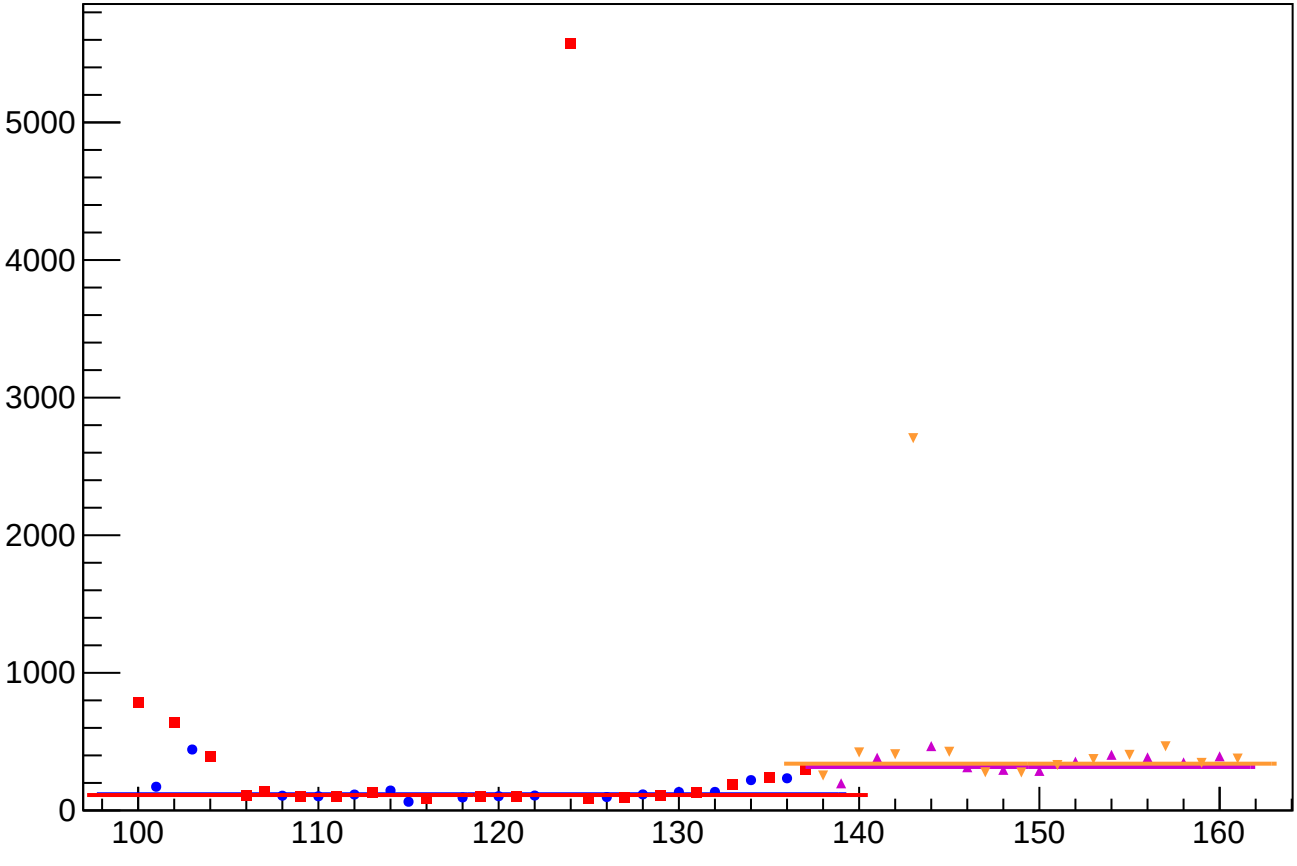
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.021+/-0.044 χ^2/NDF:26.2/26

Out: -0.012+/-0.043 χ^2/NDF:43.9/31

All: 0.004+/-0.031 χ^2/NDF: 70.4/58

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: 339.938+/-0.079 χ^2/NDF:1931052.4/12

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

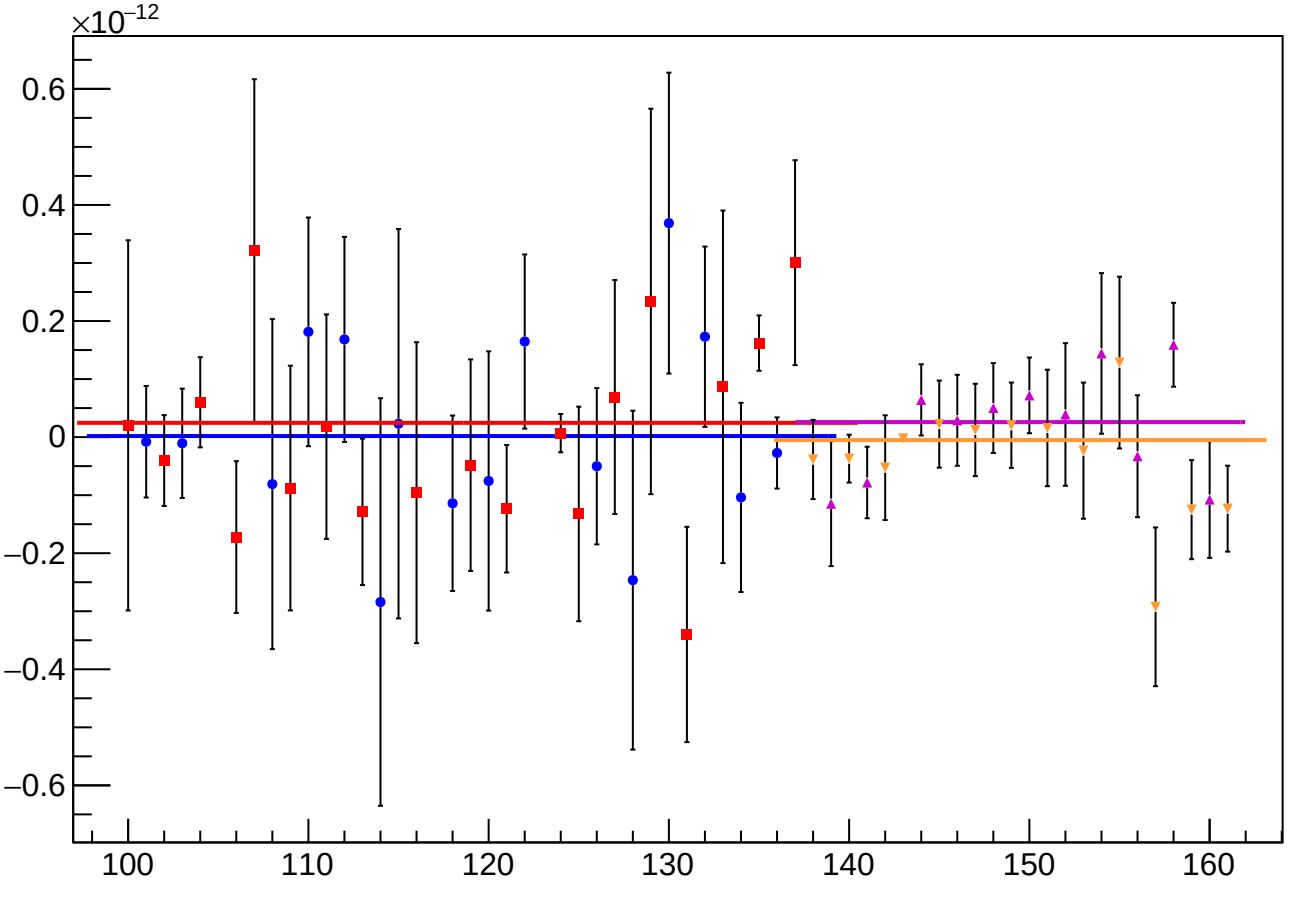
Left: 327.409+/-0.055 χ^2/NDF: 3021580.8/23

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 151.084+/-0.031 χ^2/NDF:8549985.4/26

Out: 146.092+/-0.031 χ^2/NDF:11170156.4/31

All: 148.561+/-0.022 χ^2/NDF: 19733347.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/10

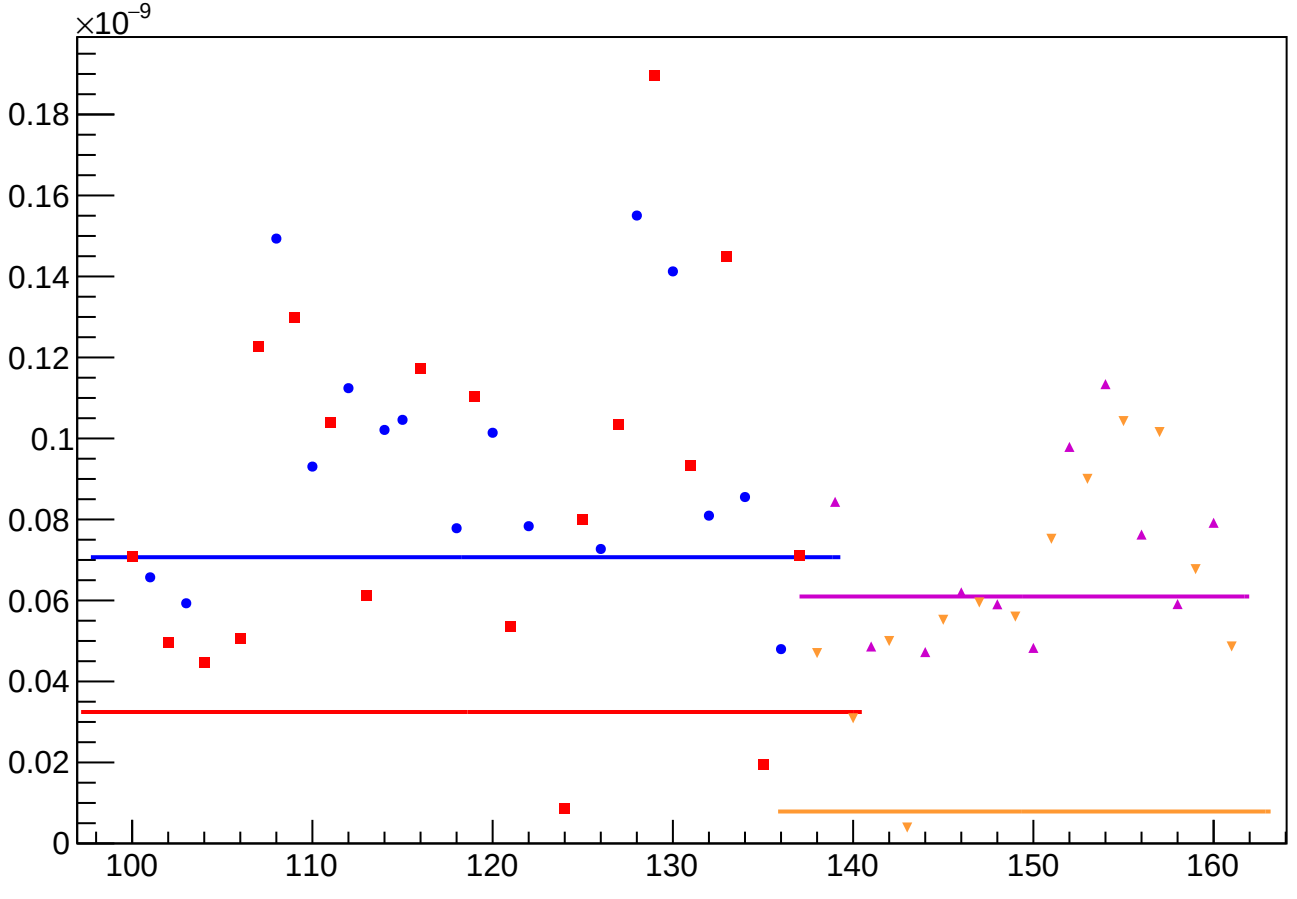
Left: -0.000+/-0.000 χ^2/NDF: 24.7/23

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/26

Out: -0.000+/-0.000 χ^2/NDF:37.4/31

All: -0.000+/-0.000 χ^2/NDF: 59.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10182545.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:929692.0/10

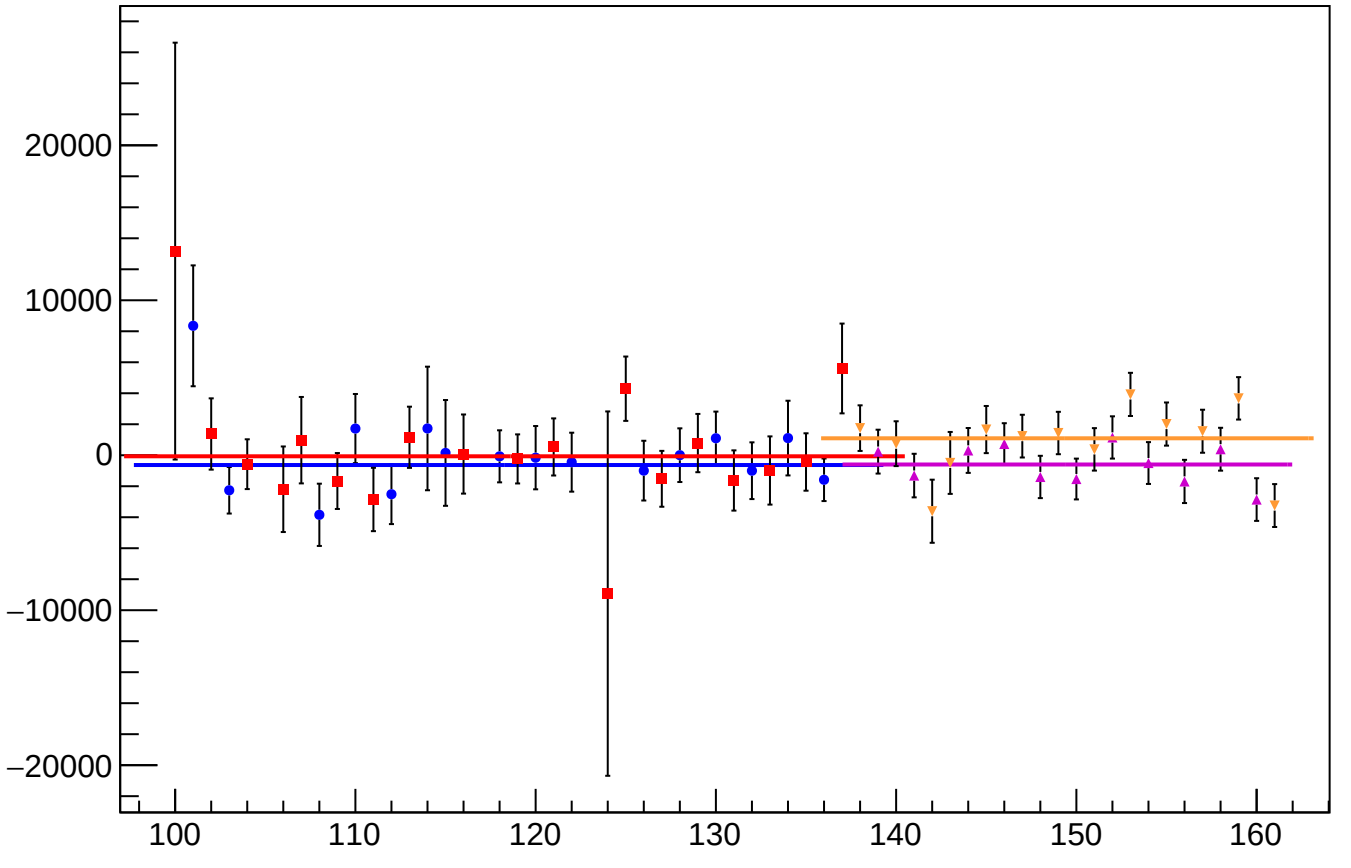
Left: 0.000+/-0.000 χ^2/NDF: 19985654.3/23

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2059087.8/26

Out: 0.000+/-0.000 χ^2/NDF:17009099.9/31

All: 0.000+/-0.000 χ^2/NDF: 32719049.3/58



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -597.367+/-415.077 χ^2/NDF:8.3/10

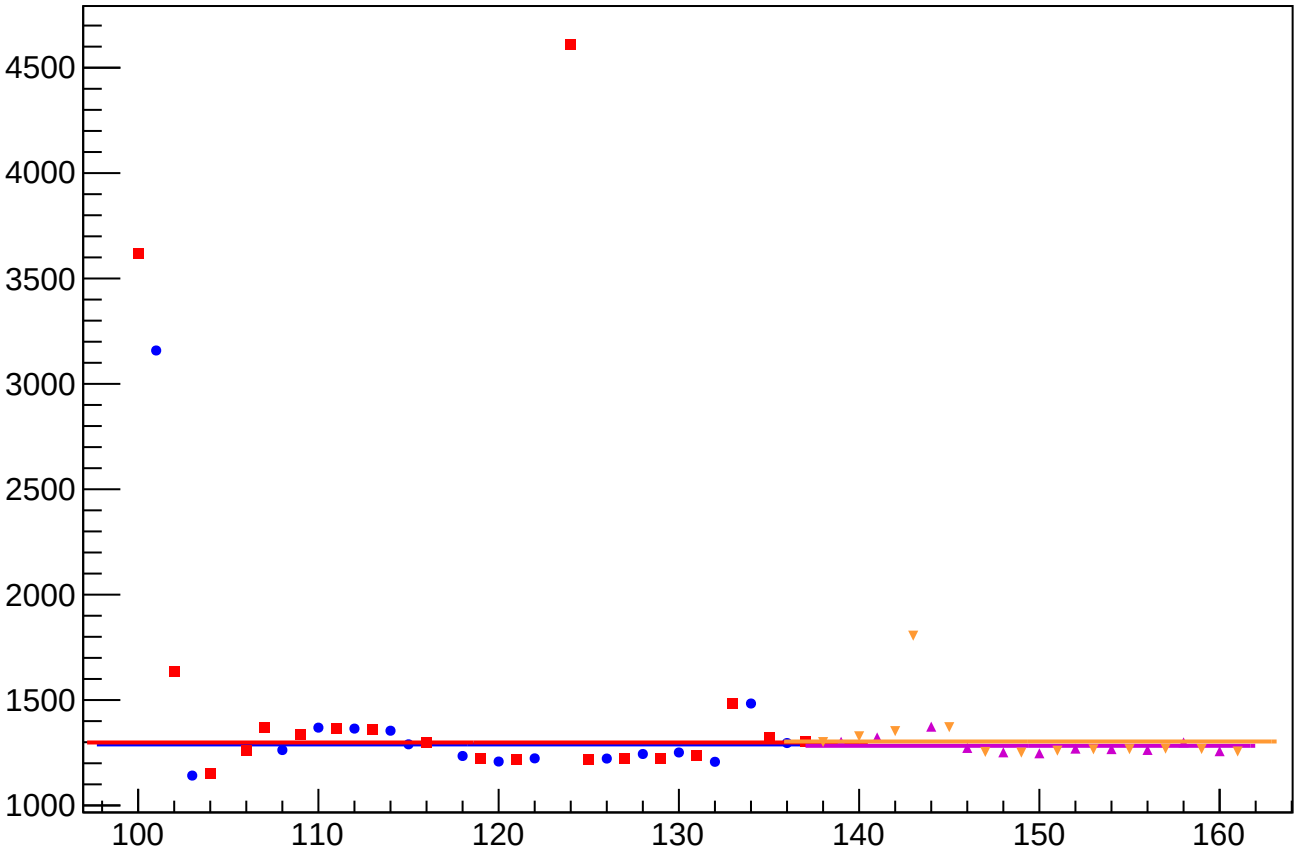
Left: 266.604+/-290.288 χ^2/NDF: 41.5/23

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 618.220+/-312.102 χ^2/NDF:44.0/31

All: 11.691+/-222.178 χ^2/NDF: 73.8/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

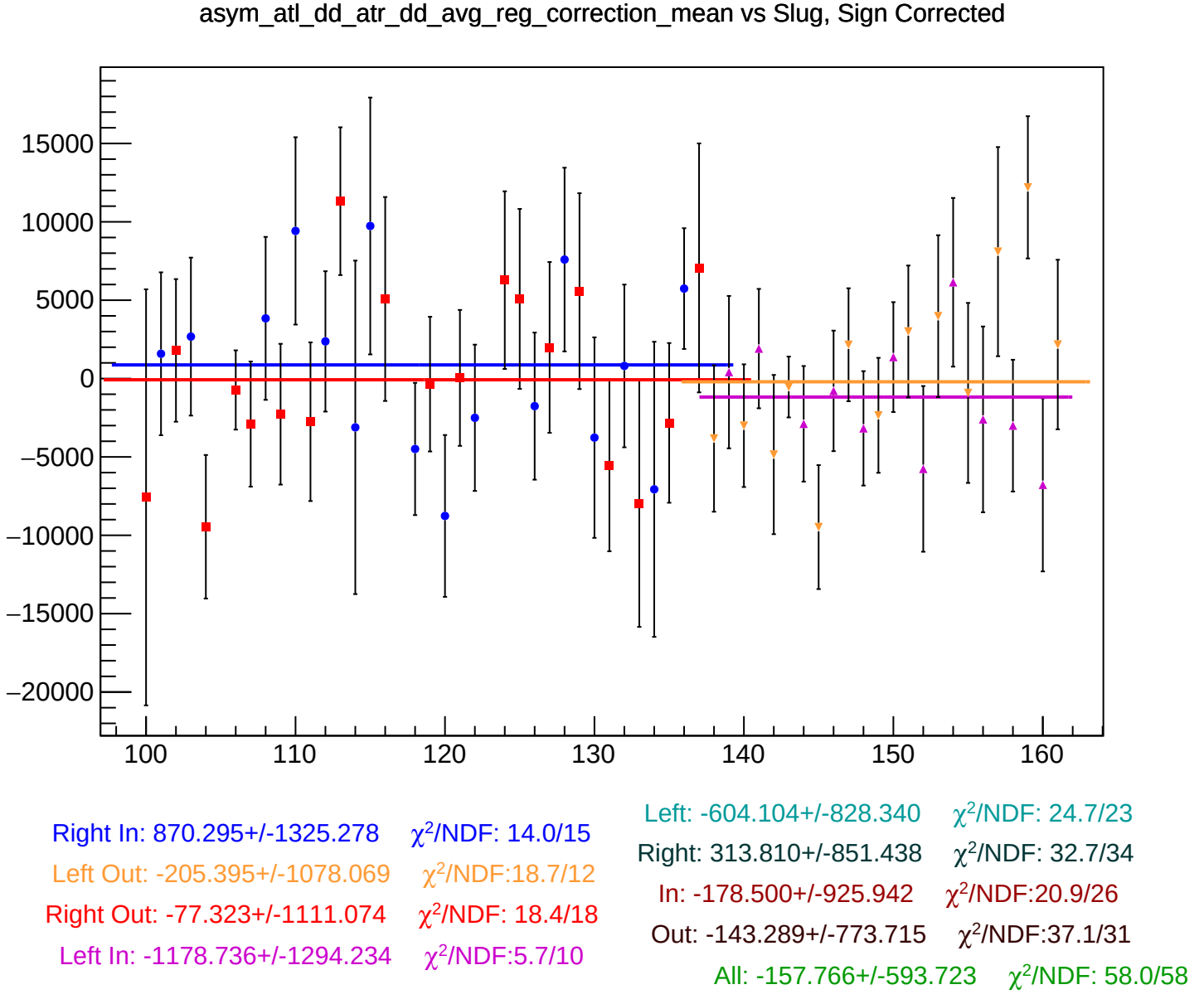
Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

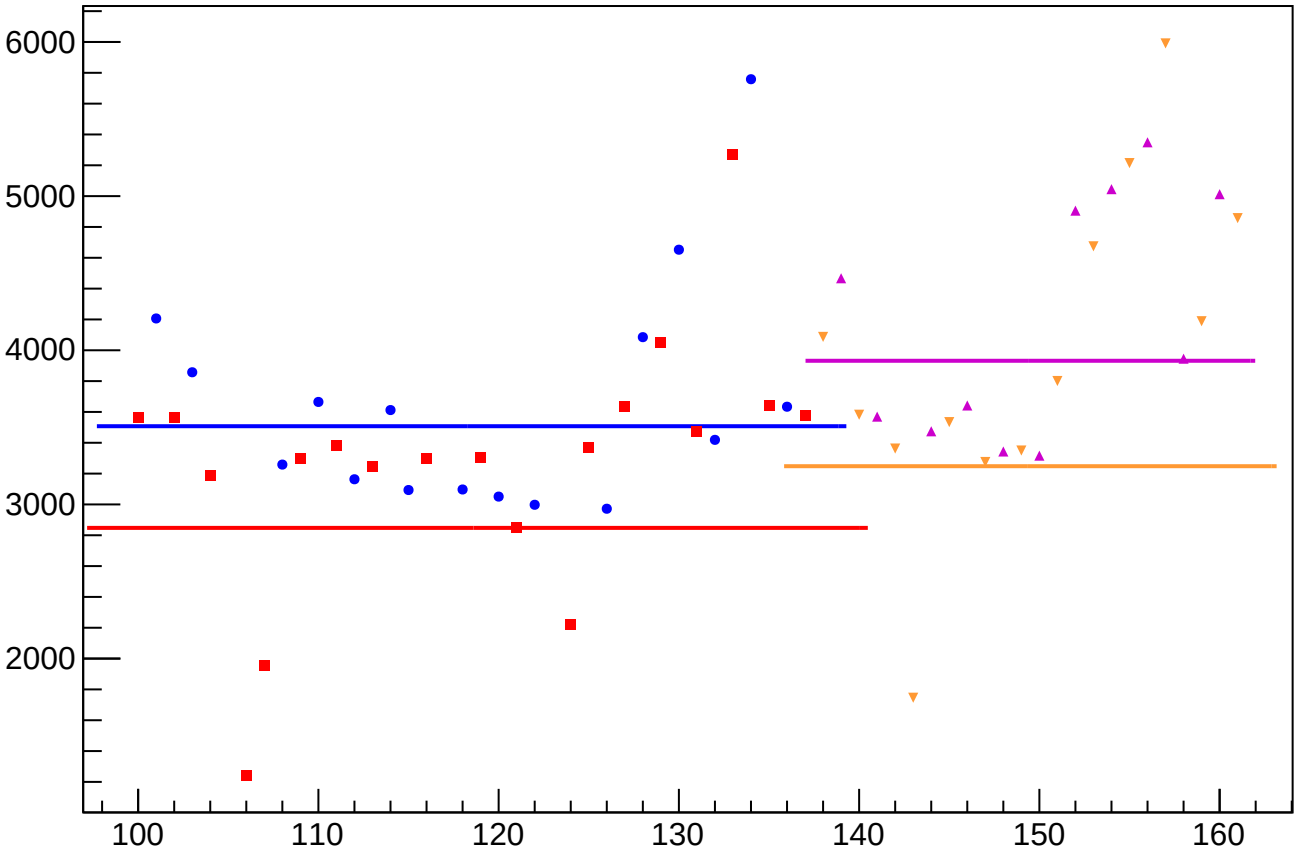
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1301.422+/-0.220 χ^2/NDF:466728.8/31

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -205.395+/-1078.069 χ²/NDF:18.7/12
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1178.736+/-1294.234 χ²/NDF:5.7/10
Left: -604.104+/-828.340 χ²/NDF: 24.7/23
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -178.500+/-925.942 χ²/NDF:20.9/26
Out: -143.289+/-773.715 χ²/NDF:37.1/31
All: -157.766+/-593.723 χ²/NDF: 58.0/58



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3247.932+/-0.762 χ^2/NDF:2313741.7/12

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

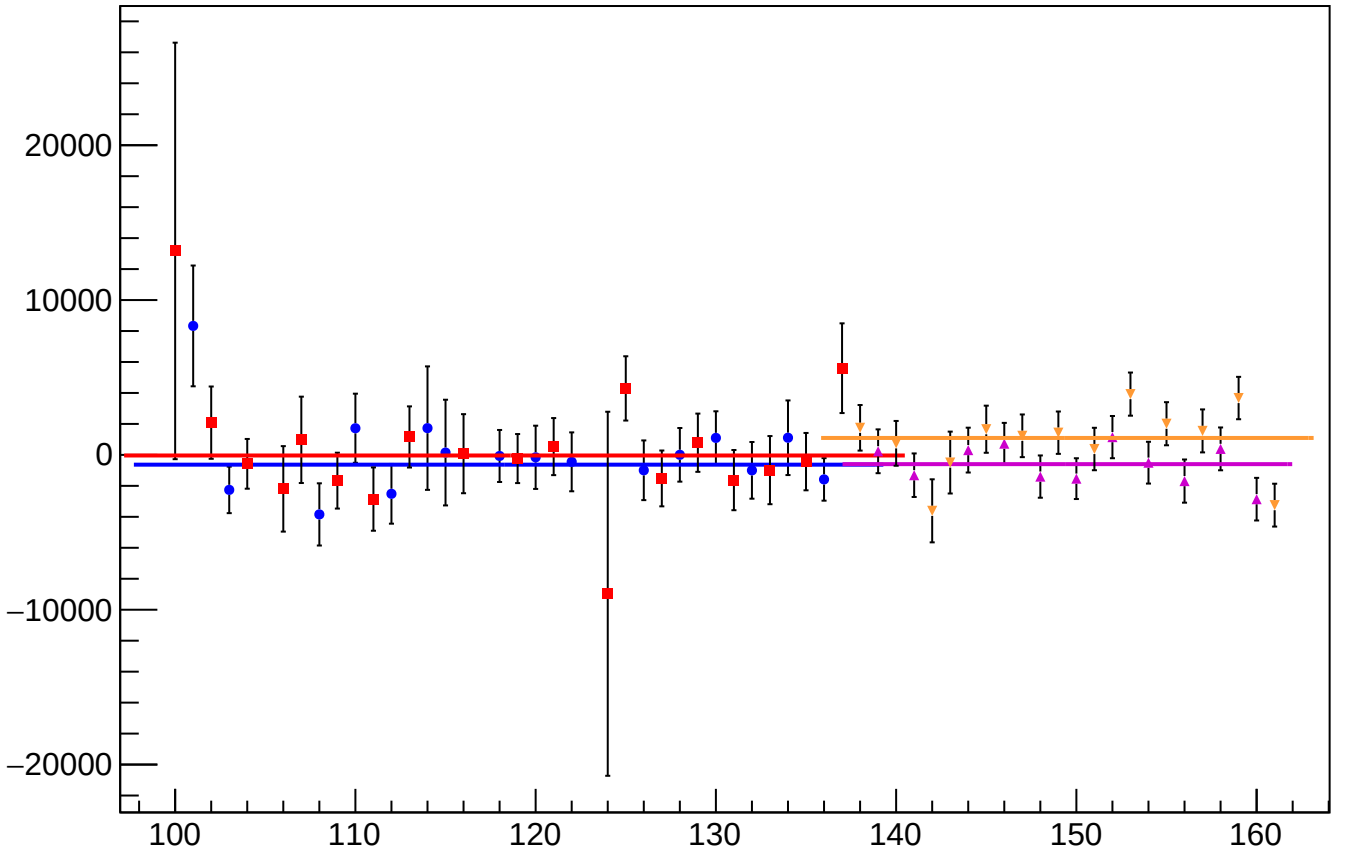
Left: 3528.106+/-0.586 χ^2/NDF: 3186059.0/23

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3724.679+/-0.655 χ^2/NDF:1001565.9/26

Out: 3053.913+/-0.547 χ^2/NDF:3946697.6/31

All: 3329.698+/-0.420 χ^2/NDF: 5566292.7/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

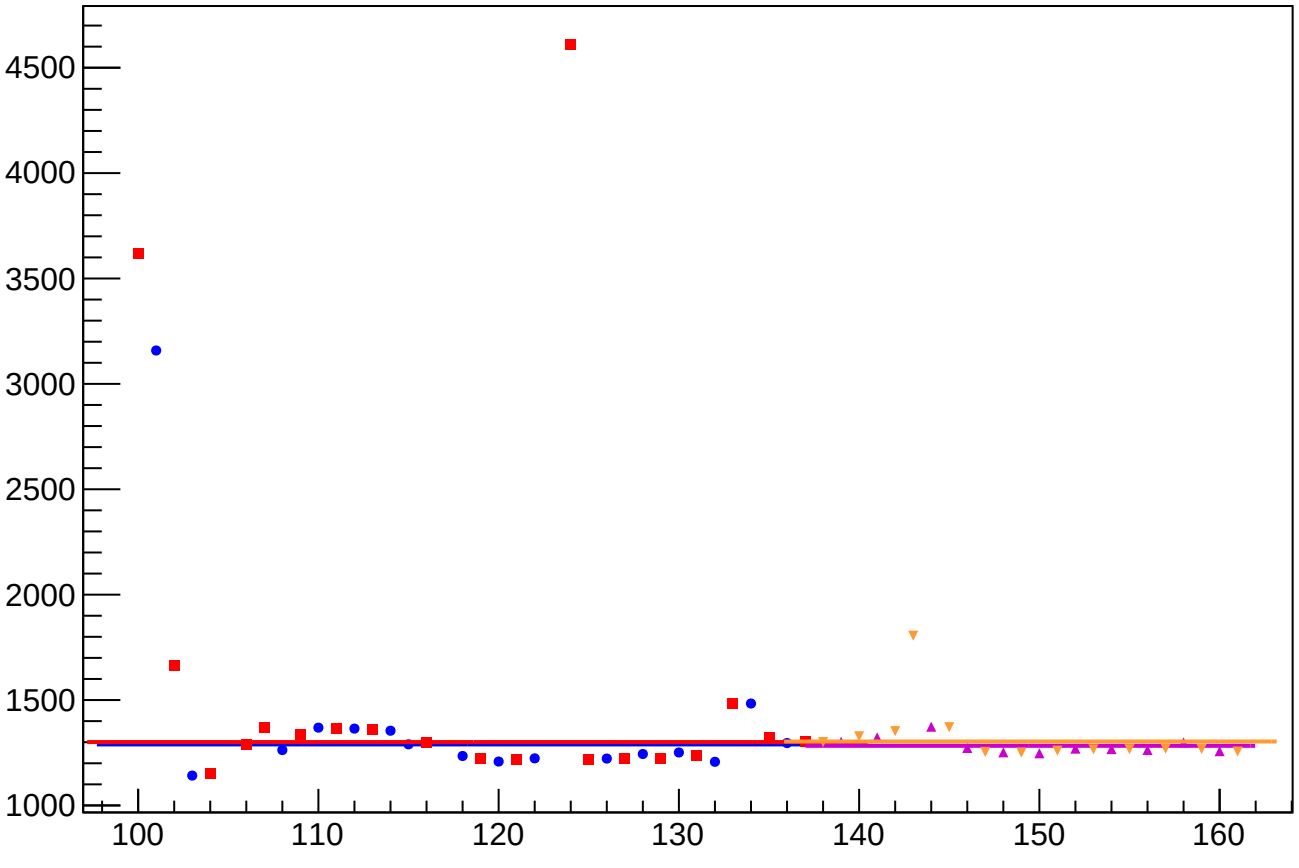
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

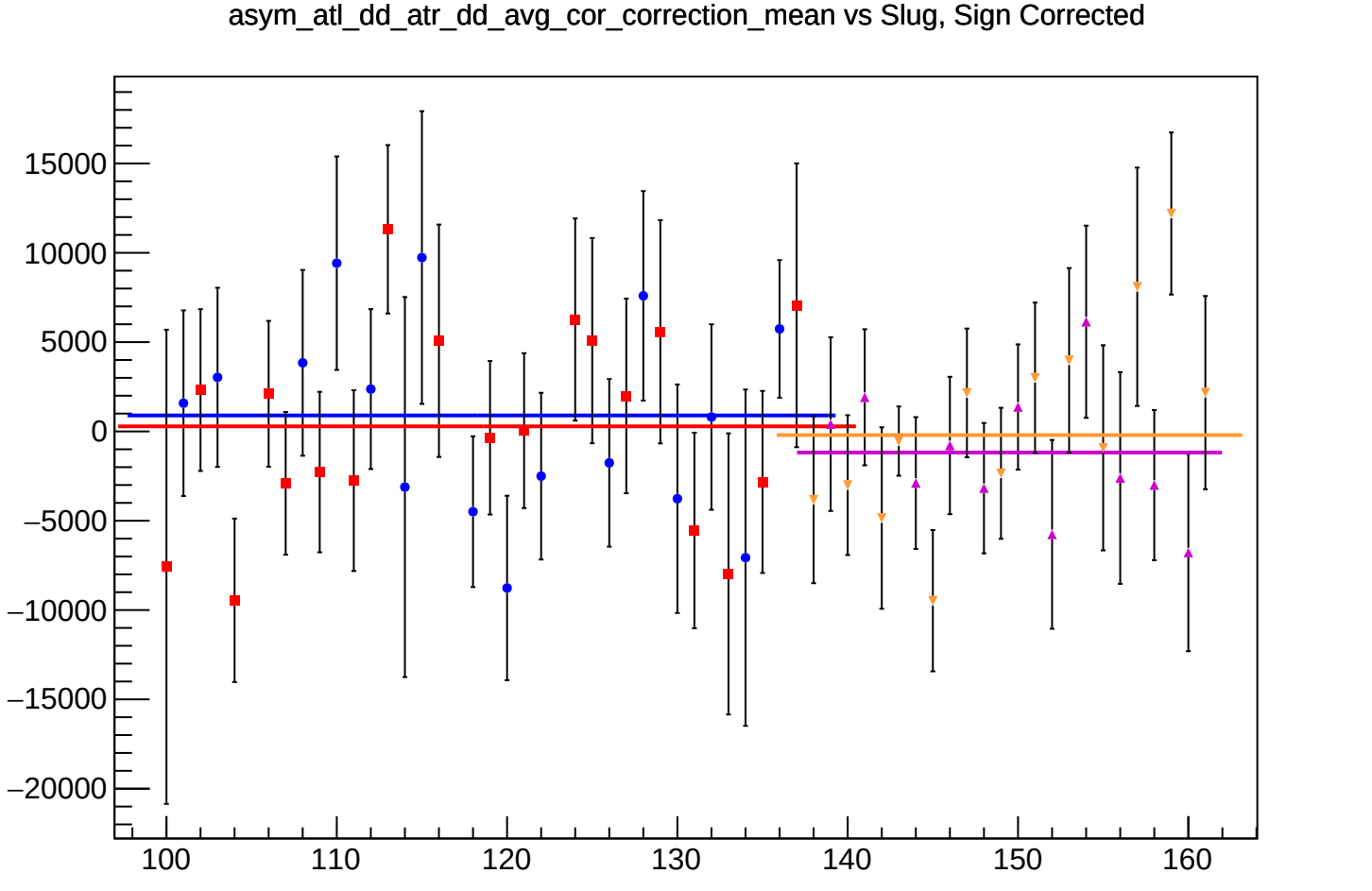
Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

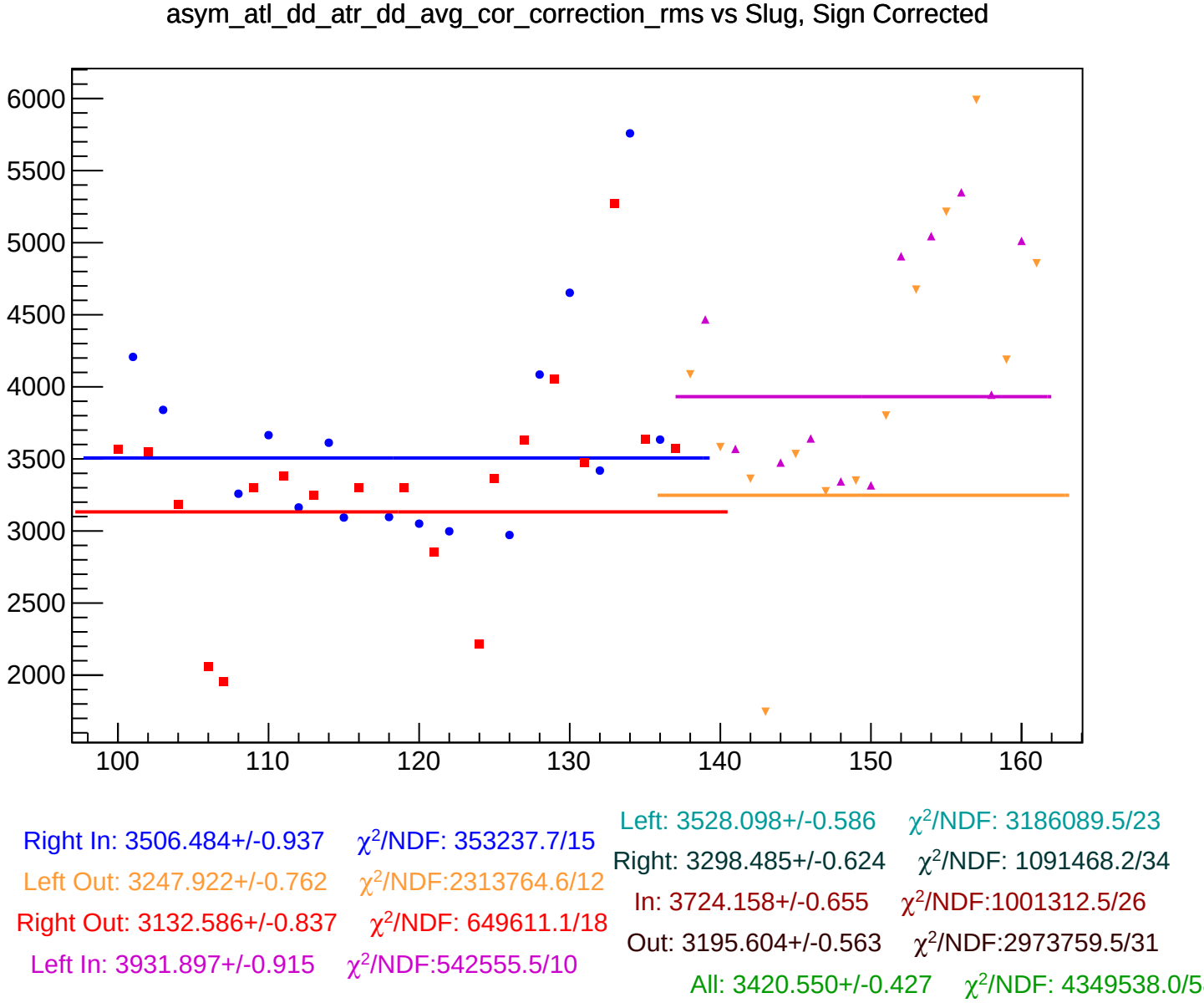
Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

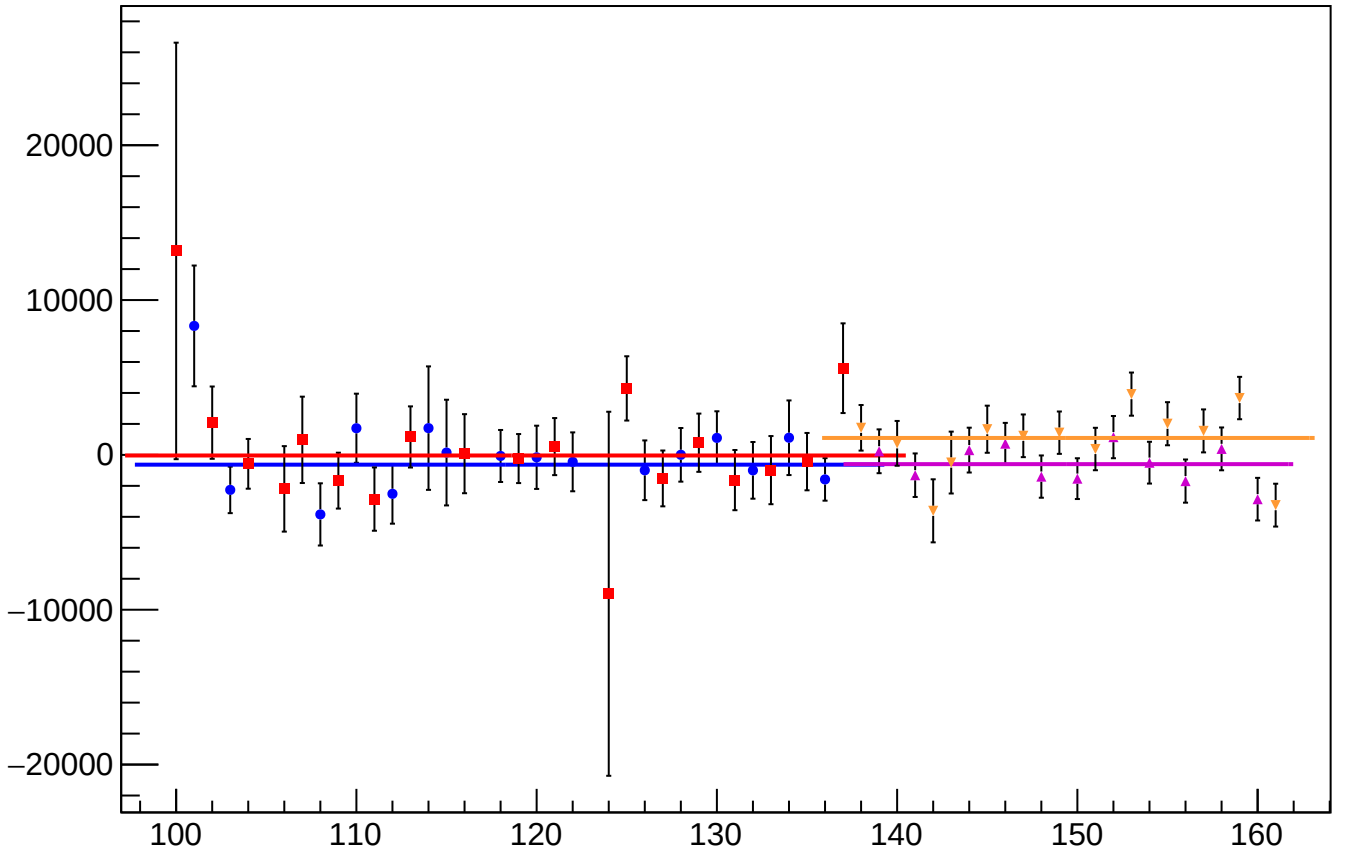
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3247.922+/-0.762 χ²/NDF:2313764.6/12
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 3931.897+/-0.915 χ²/NDF:542555.5/10
Left: 3528.098+/-0.586 χ²/NDF: 3186089.5/23
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3724.158+/-0.655 χ²/NDF:1001312.5/26
Out: 3195.604+/-0.563 χ²/NDF:2973759.5/31
All: 3420.550+/-0.427 χ²/NDF: 4349538.0/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

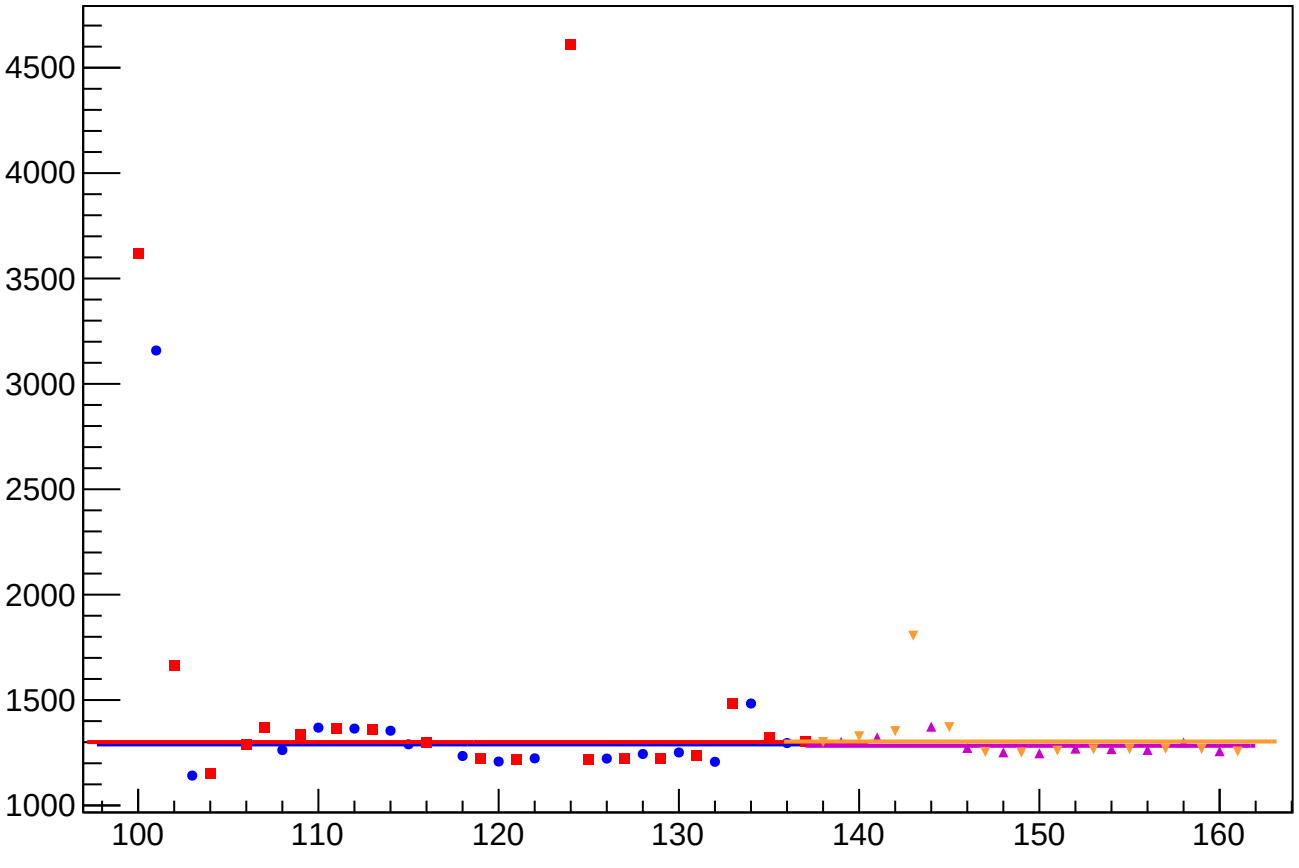
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

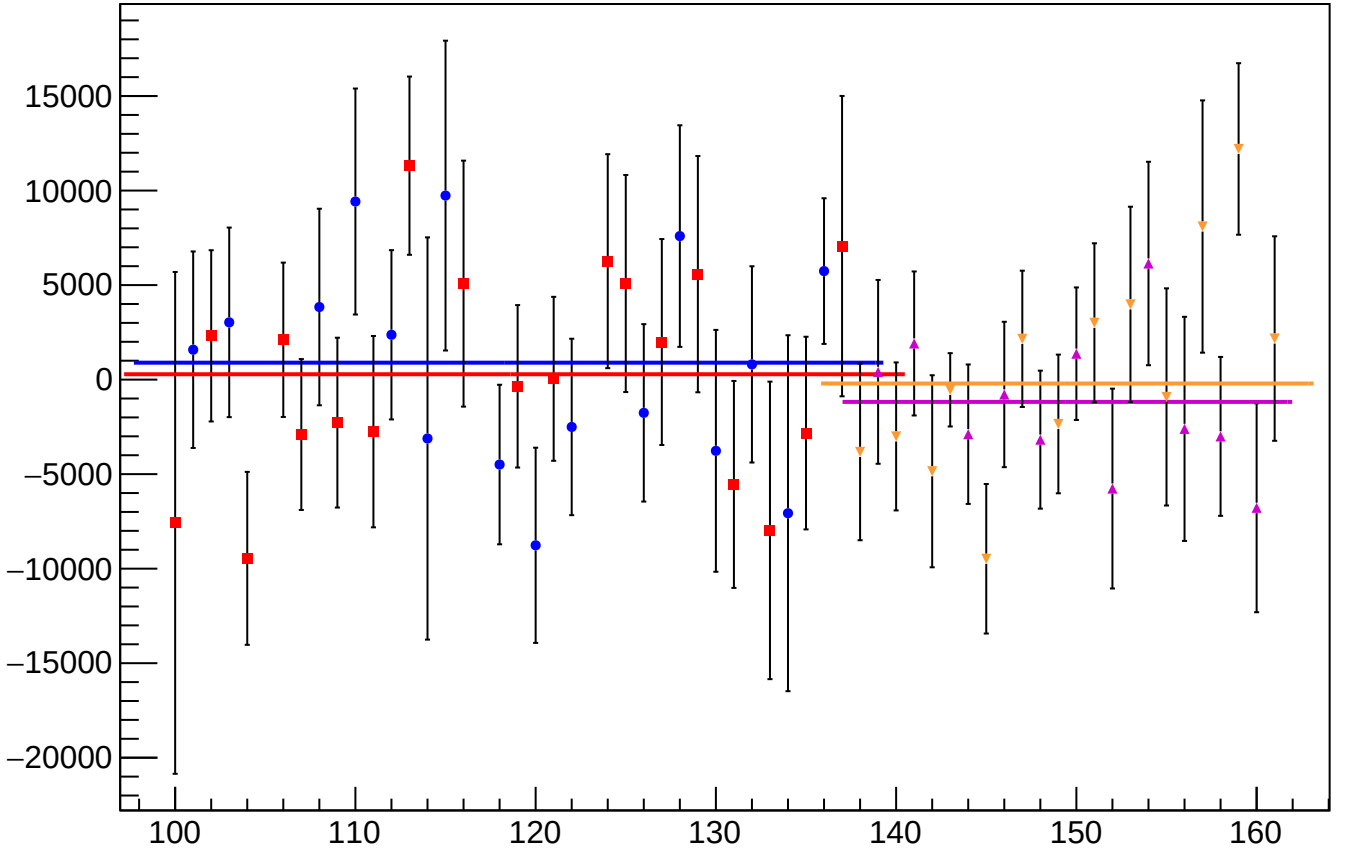
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

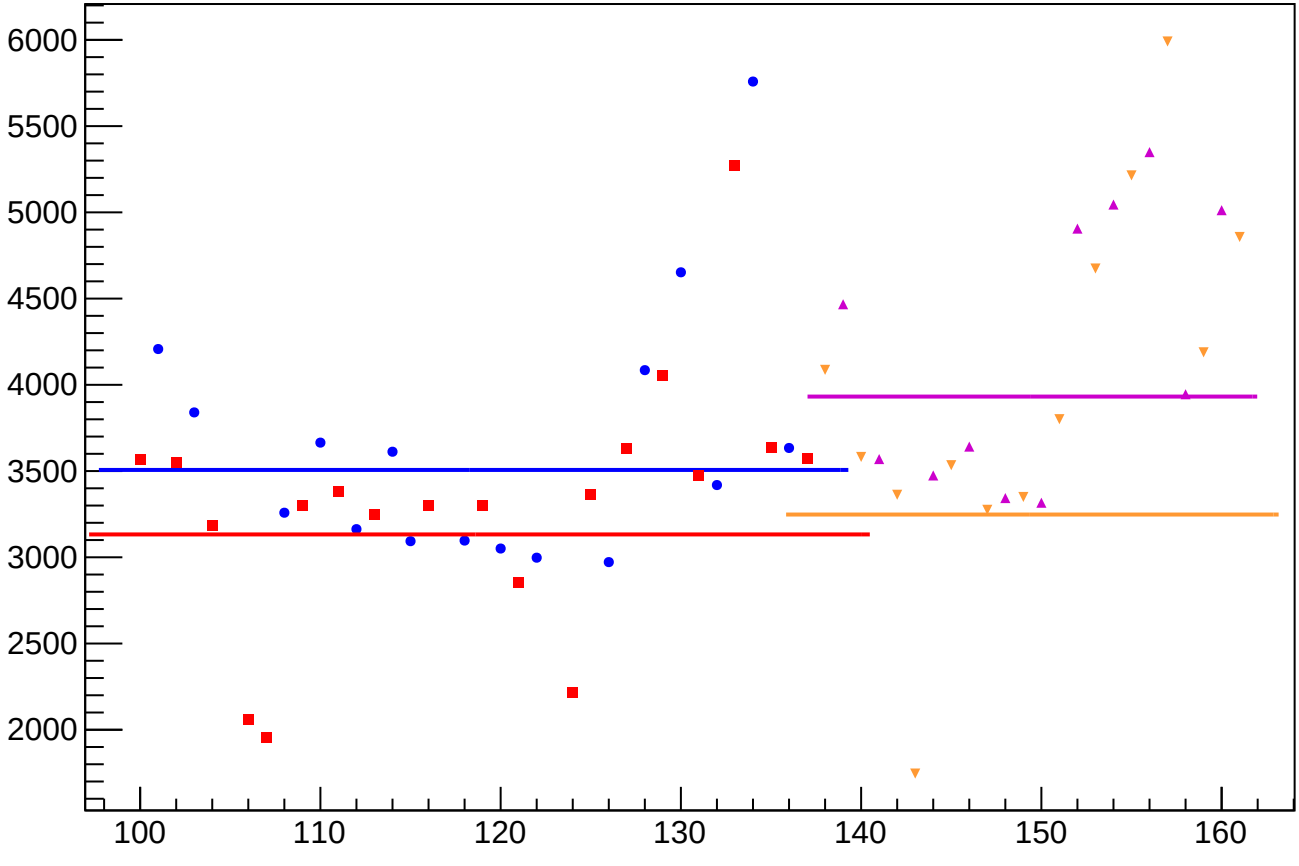
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

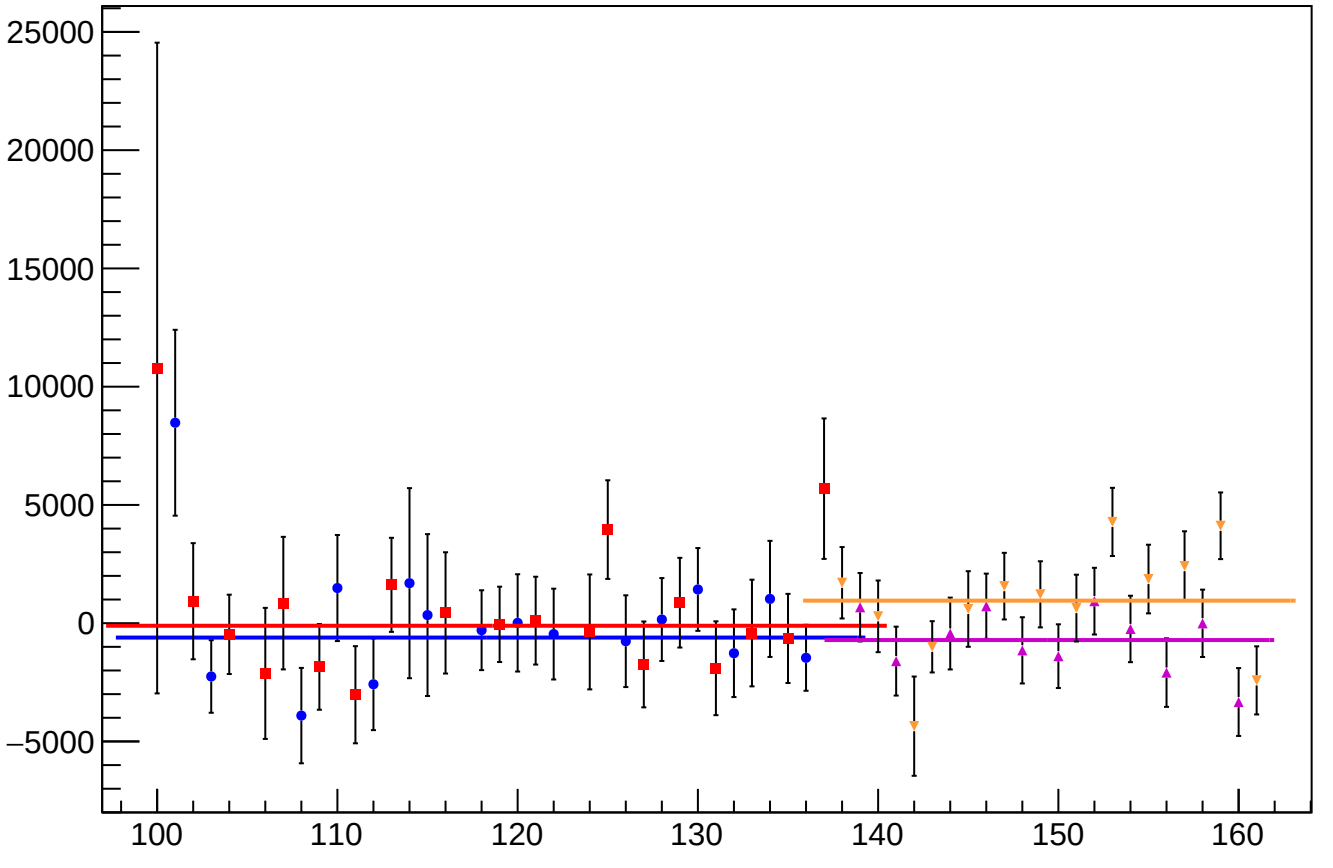
Left: 3528.098+/-0.586 χ^2/NDF: 3186089.5/23

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3195.604+/-0.563 χ^2/NDF:2973759.5/31

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -712.705+/-428.982 χ^2/NDF:8.7/10

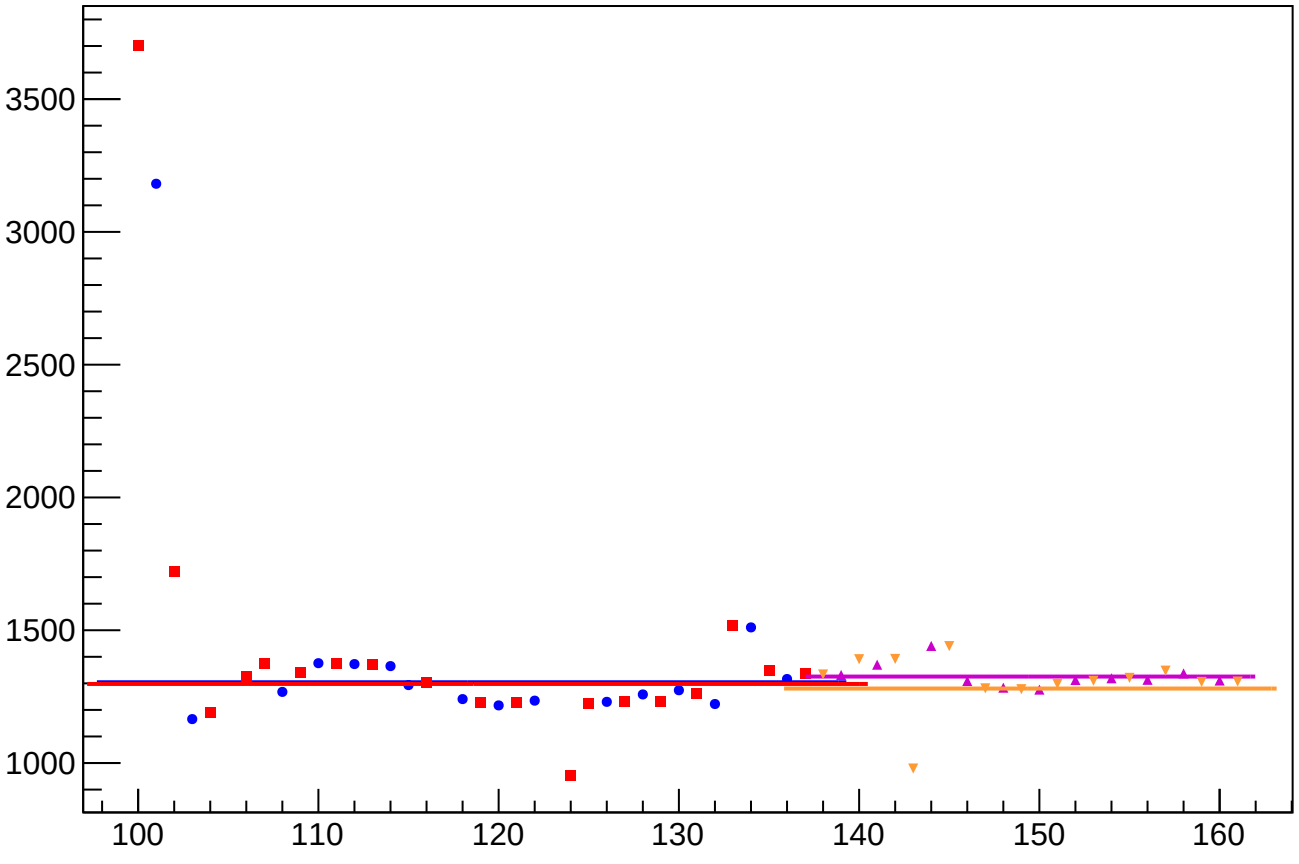
Left: 179.214+/-292.389 χ^2/NDF: 44.4/23

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.595+/-223.420 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

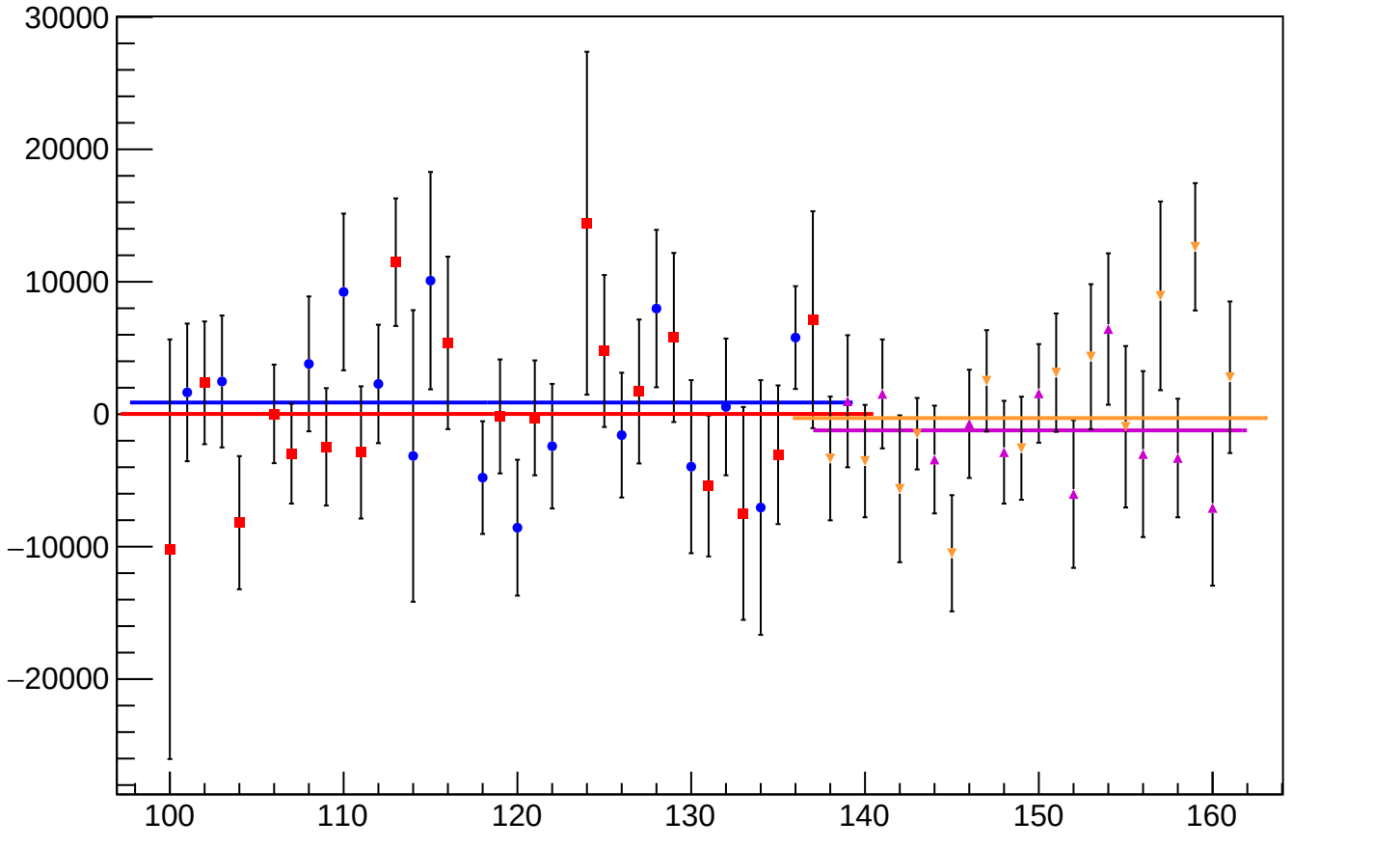
Left: 1301.449+/-0.207 χ^2/NDF: 232051.2/23

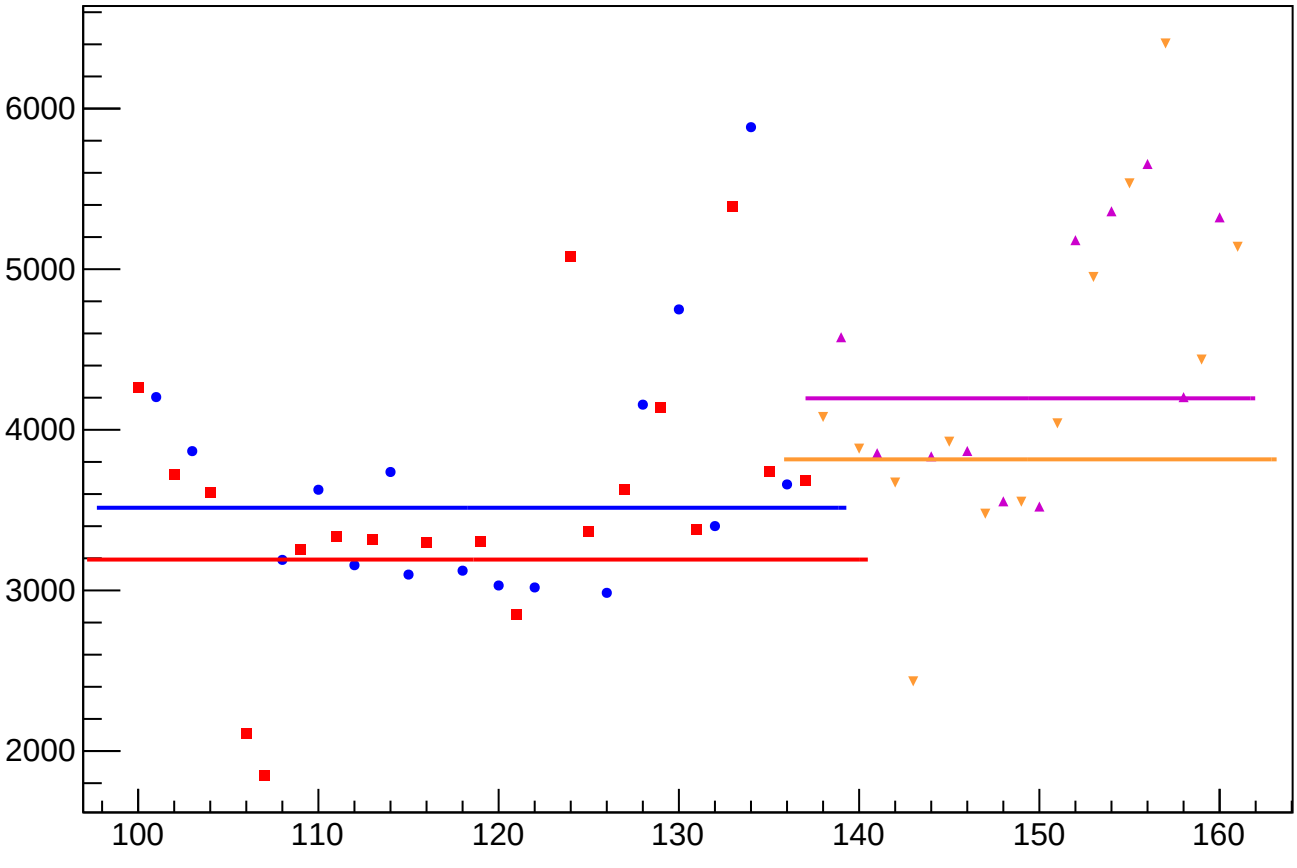
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

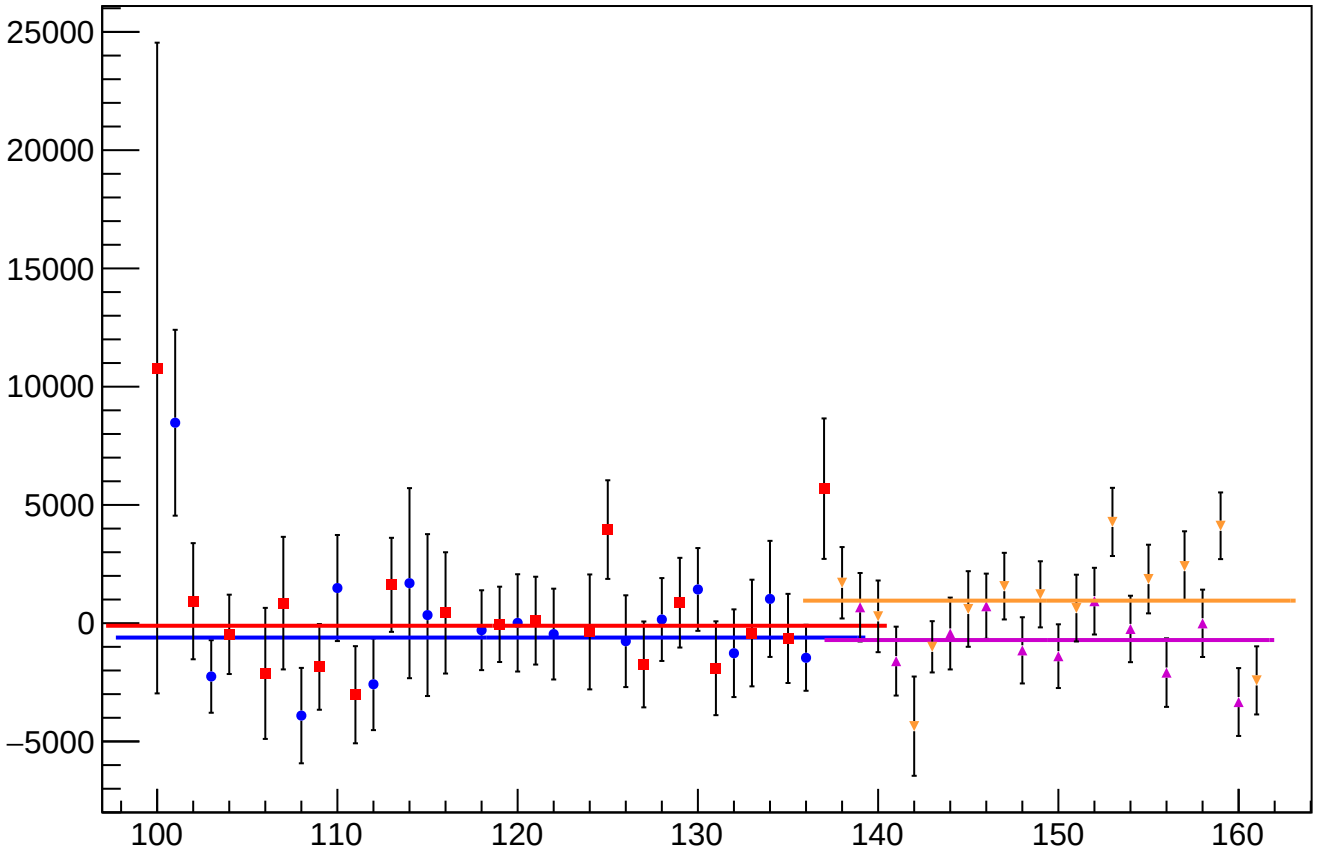
In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1287.489+/-0.218 χ^2/NDF:415922.9/31

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -289.939+/-1229.495 χ²/NDF:19.0/12
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1220.374+/-1379.867 χ²/NDF:5.5/10
Left: -701.715+/-917.962 χ²/NDF: 24.7/23
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -127.389+/-956.624 χ²/NDF:20.8/26
Out: -130.861+/-858.772 χ²/NDF:35.8/31
All: -129.311+/-639.047 χ²/NDF: 56.7/58


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3816.062+/-0.869 χ²/NDF:1213868.5/12
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4196.018+/-0.976 χ²/NDF:501534.5/10
Left: 3984.217+/-0.649 χ²/NDF: 1799934.5/23
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3842.184+/-0.676 χ²/NDF:1129820.9/26
Out: 3496.564+/-0.607 χ²/NDF:2250076.8/31
All: 3650.798+/-0.452 χ²/NDF: 3524459.9/58



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -712.706+/-428.982 χ^2/NDF:8.7/10

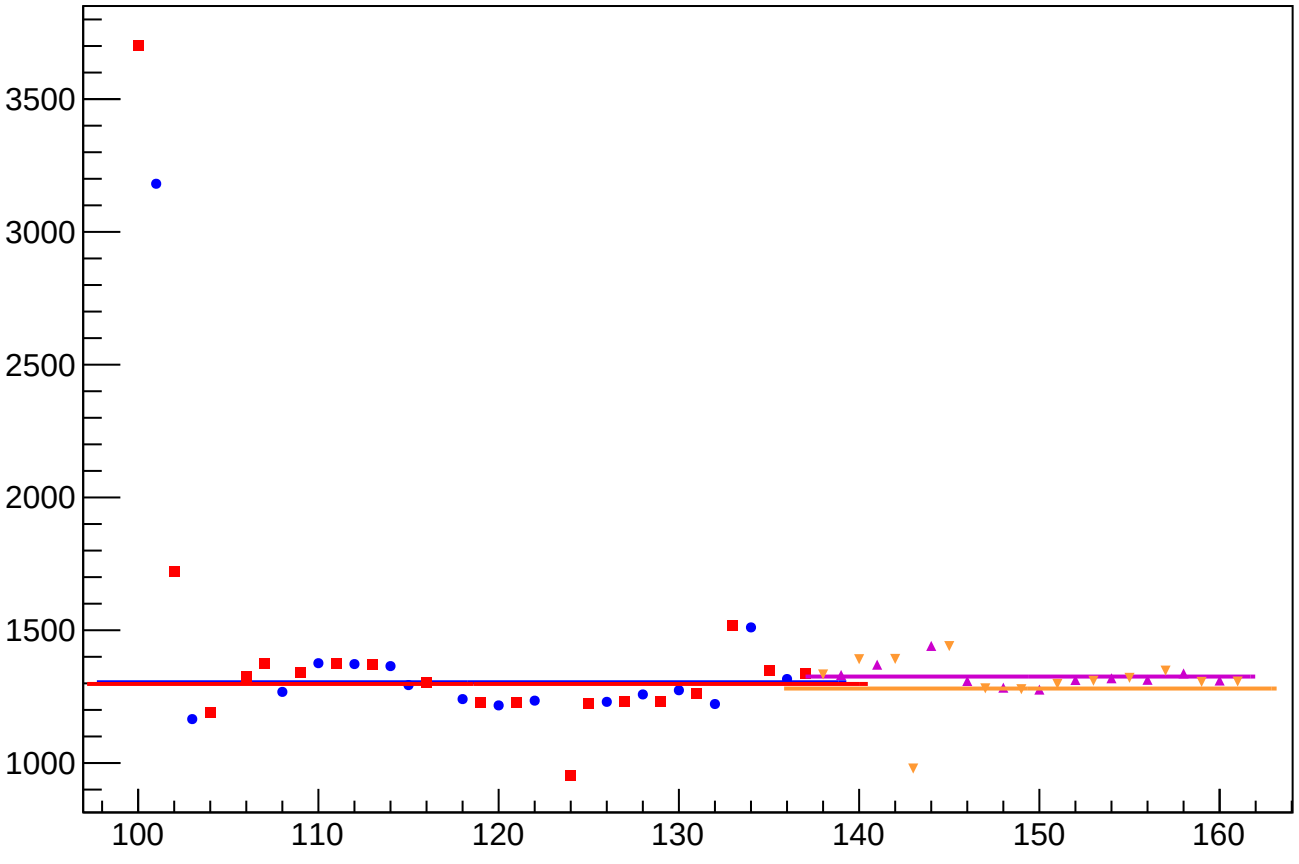
Left: 179.216+/-292.390 χ^2/NDF: 44.4/23

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.596+/-223.421 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.499+/-0.283 χ^2/NDF:201311.8/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

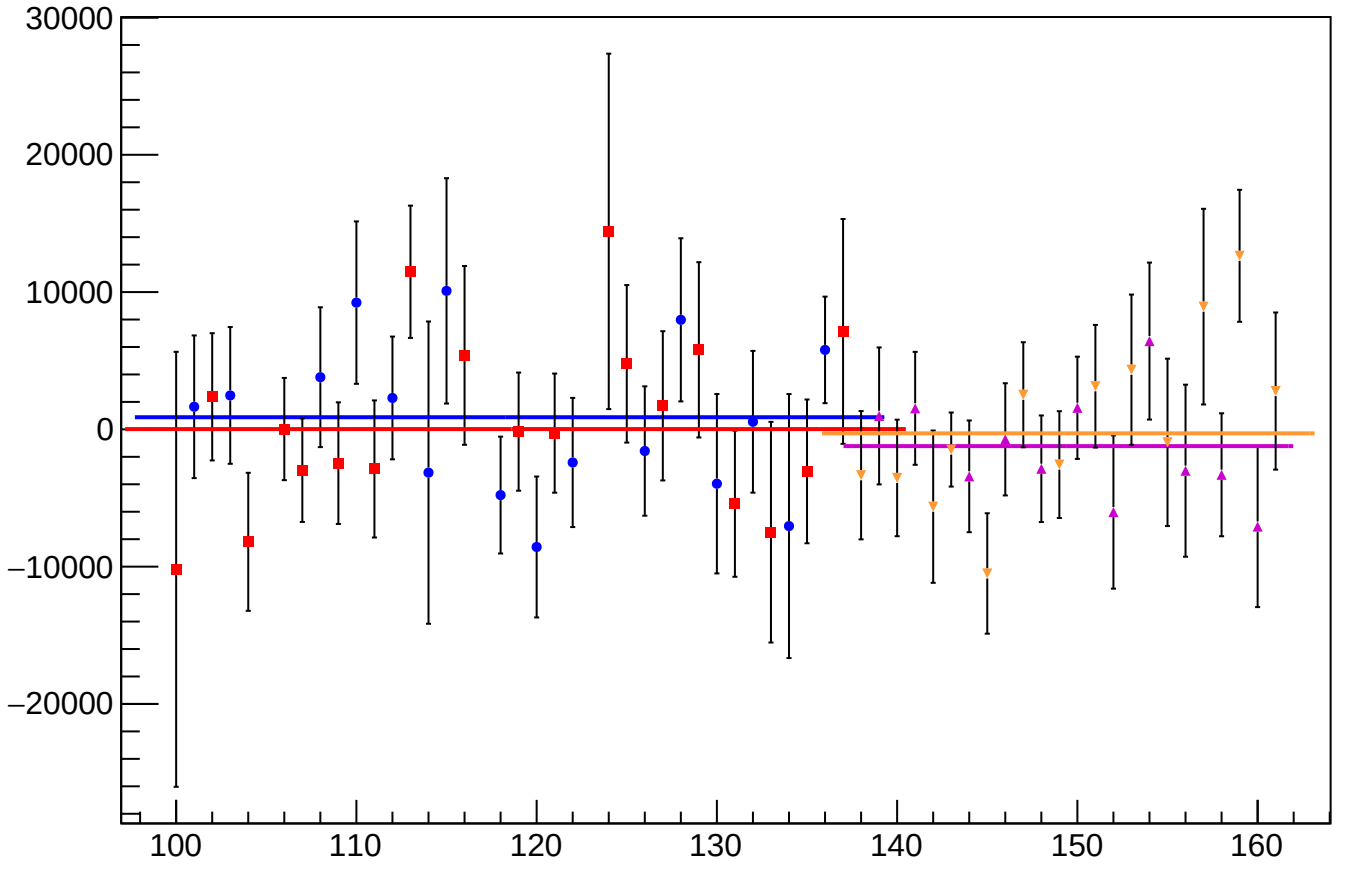
Left: 1301.451+/-0.207 χ^2/NDF: 232051.8/23

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1287.489+/-0.218 χ^2/NDF:415923.3/31

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -289.936+/-1229.497 χ^2/NDF:19.0/12

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1220.374+/-1379.869 χ^2/NDF:5.5/10

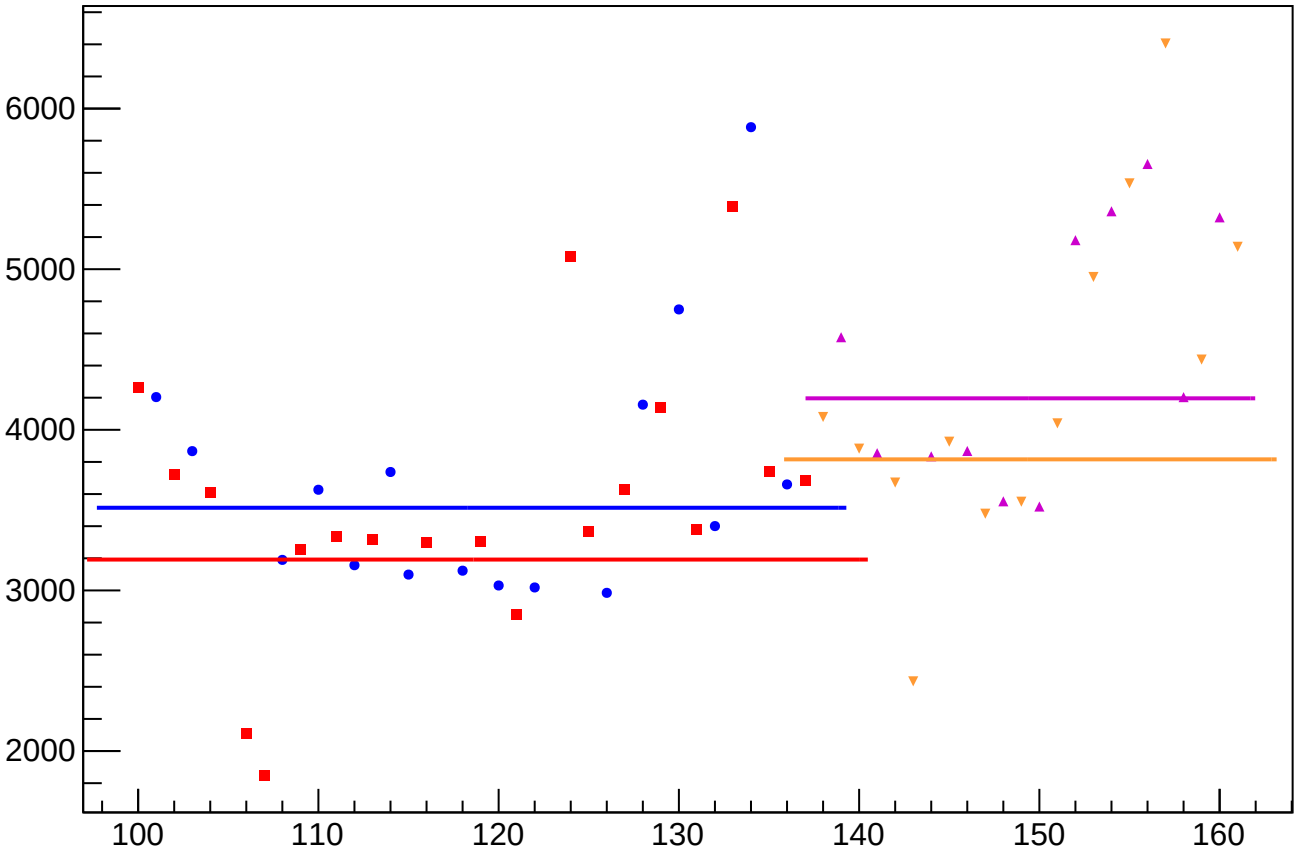
Left: -701.713+/-917.963 χ^2/NDF: 24.7/23

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -127.390+/-956.623 χ^2/NDF:20.8/26

Out: -130.860+/-858.771 χ^2/NDF:35.8/31

All: -129.312+/-639.046 χ^2/NDF: 56.7/58



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3816.067+/-0.869 χ^2/NDF:1213868.3/12

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

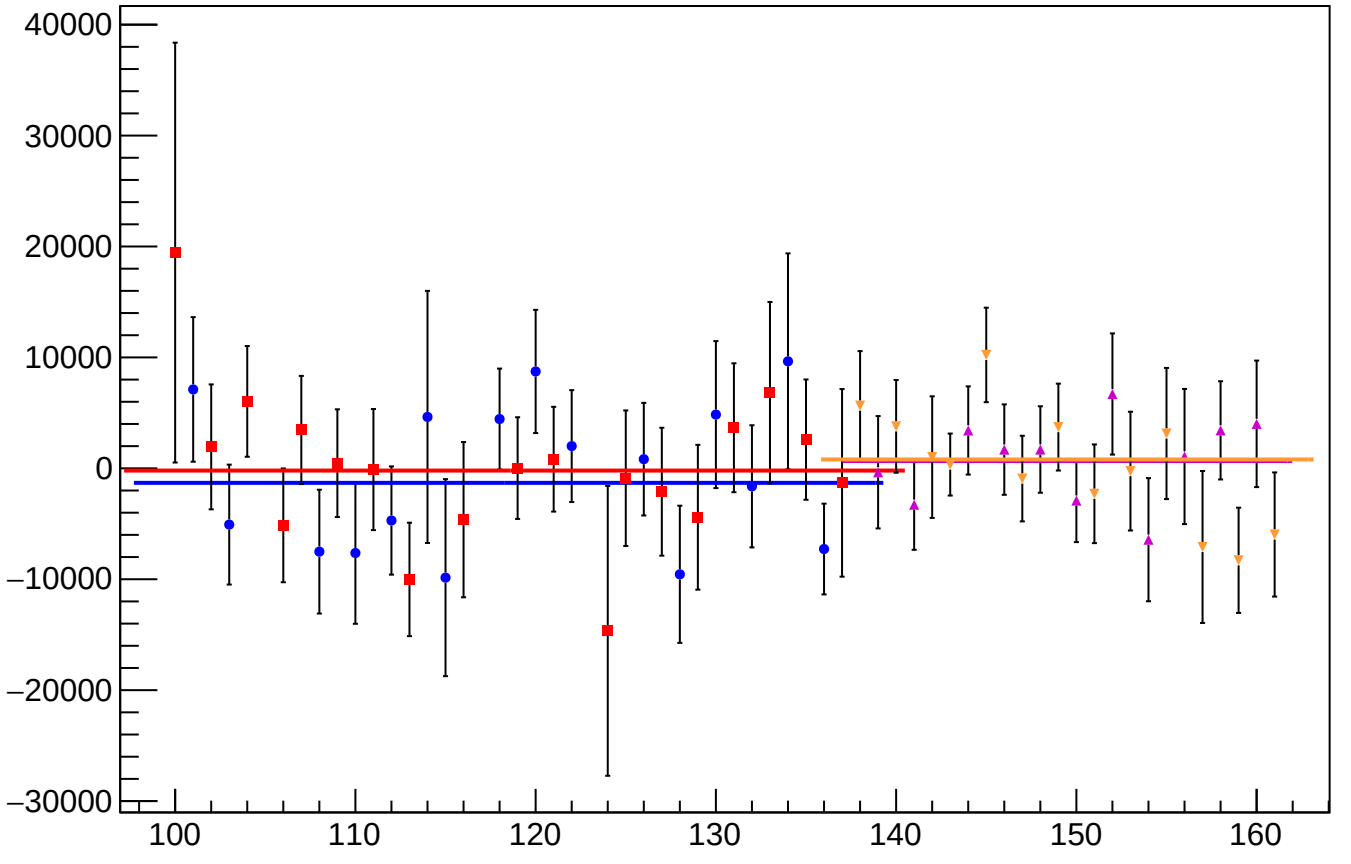
Left: 3984.222+/-0.649 χ^2/NDF: 1799934.6/23

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3842.180+/-0.676 χ^2/NDF:1129836.5/26

Out: 3496.561+/-0.607 χ^2/NDF:2250090.1/31

All: 3650.795+/-0.452 χ^2/NDF: 3524488.4/58



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 659.186+/-1367.707 χ^2/NDF:6.1/10

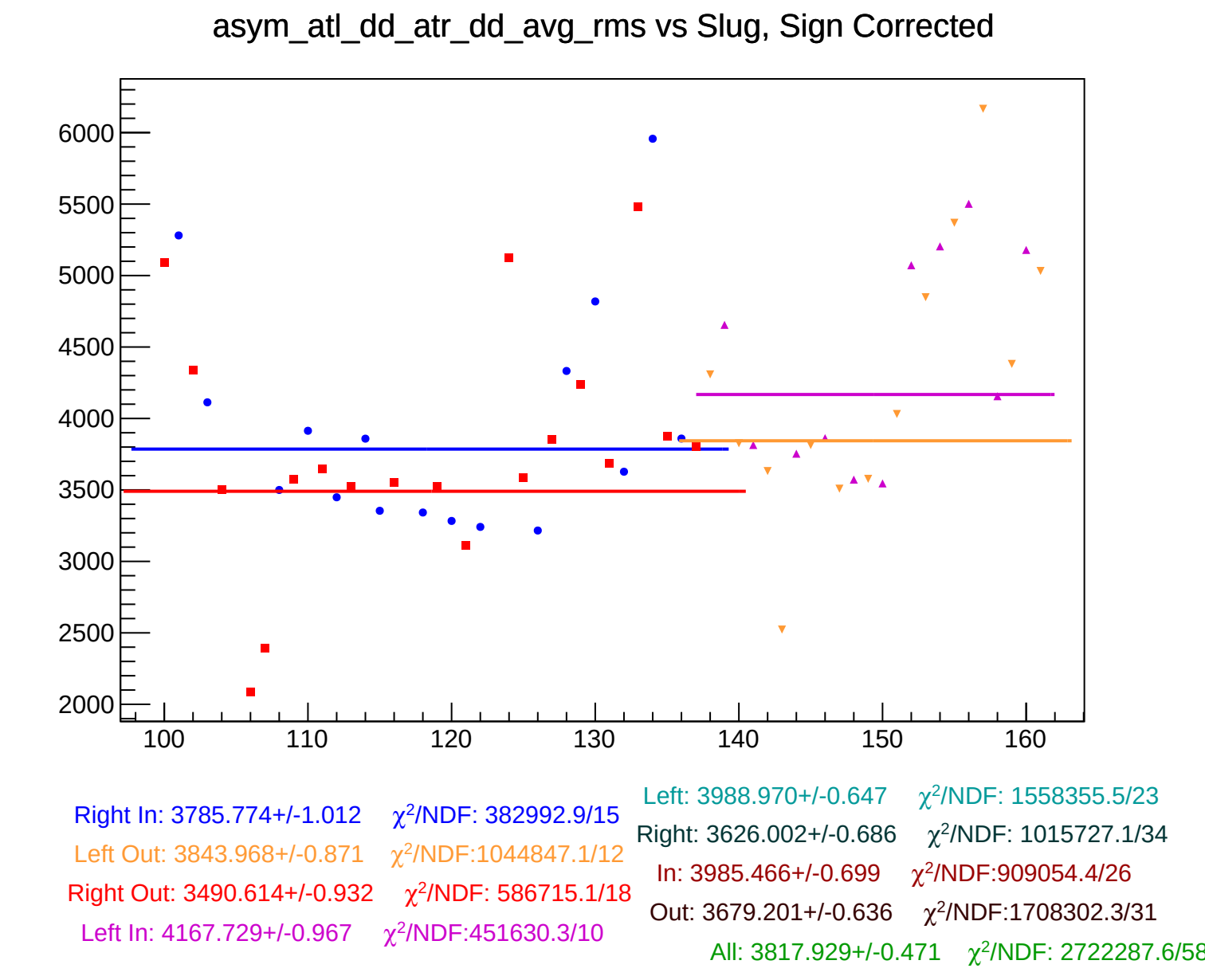
Left: 736.493+/-915.308 χ^2/NDF: 20.4/23

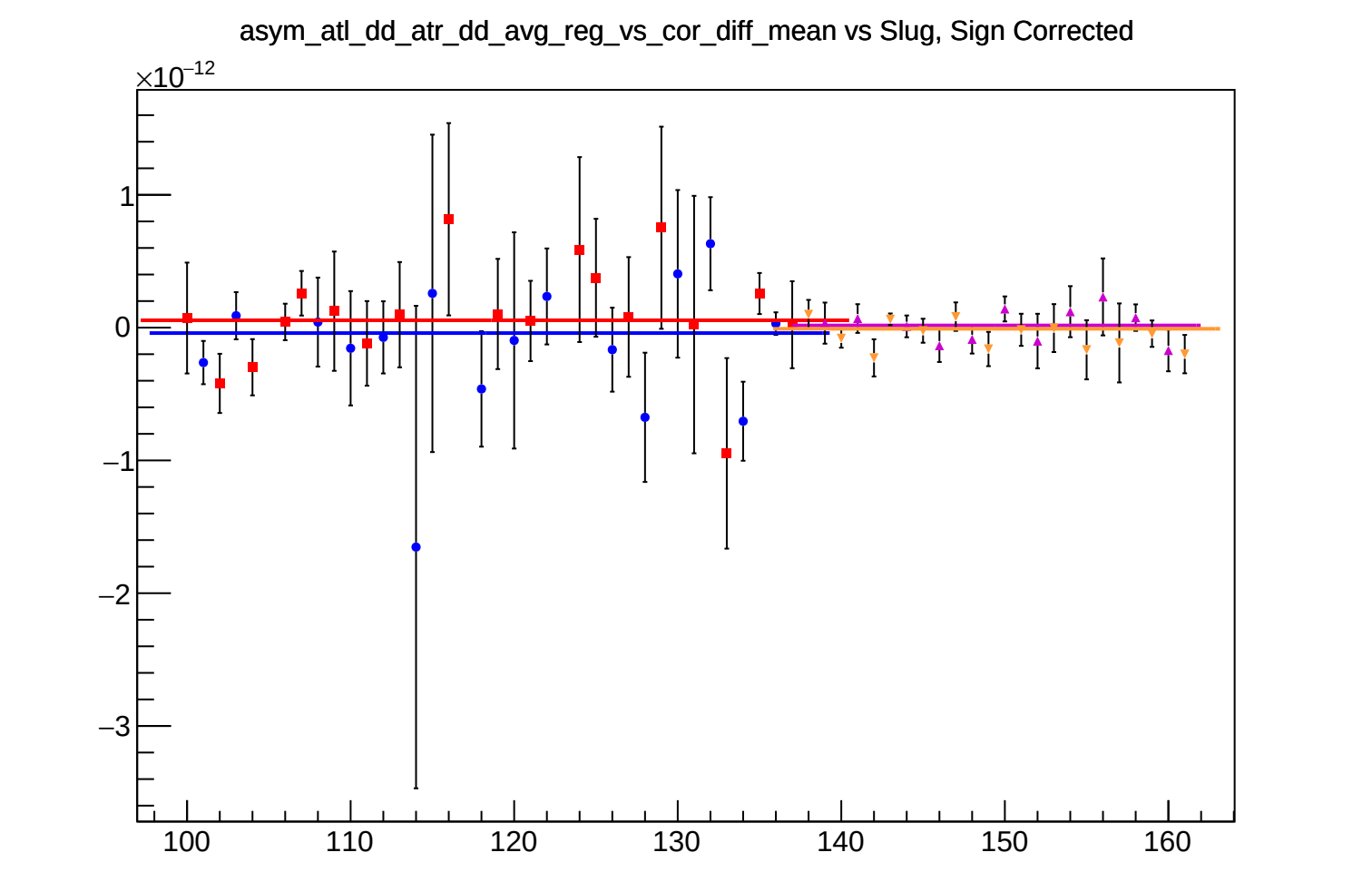
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 339.366+/-905.639 χ^2/NDF:26.3/31

All: 56.791+/-667.895 χ^2/NDF: 51.1/58


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3843.968+/-0.871 χ²/NDF:1044847.1/12
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4167.729+/-0.967 χ²/NDF:451630.3/10
Left: 3988.970+/-0.647 χ²/NDF: 1558355.5/23
Right: 3626.002+/-0.686 χ²/NDF: 1015727.1/34
In: 3985.466+/-0.699 χ²/NDF:909054.4/26
Out: 3679.201+/-0.636 χ²/NDF:1708302.3/31
All: 3817.929+/-0.471 χ²/NDF: 2722287.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

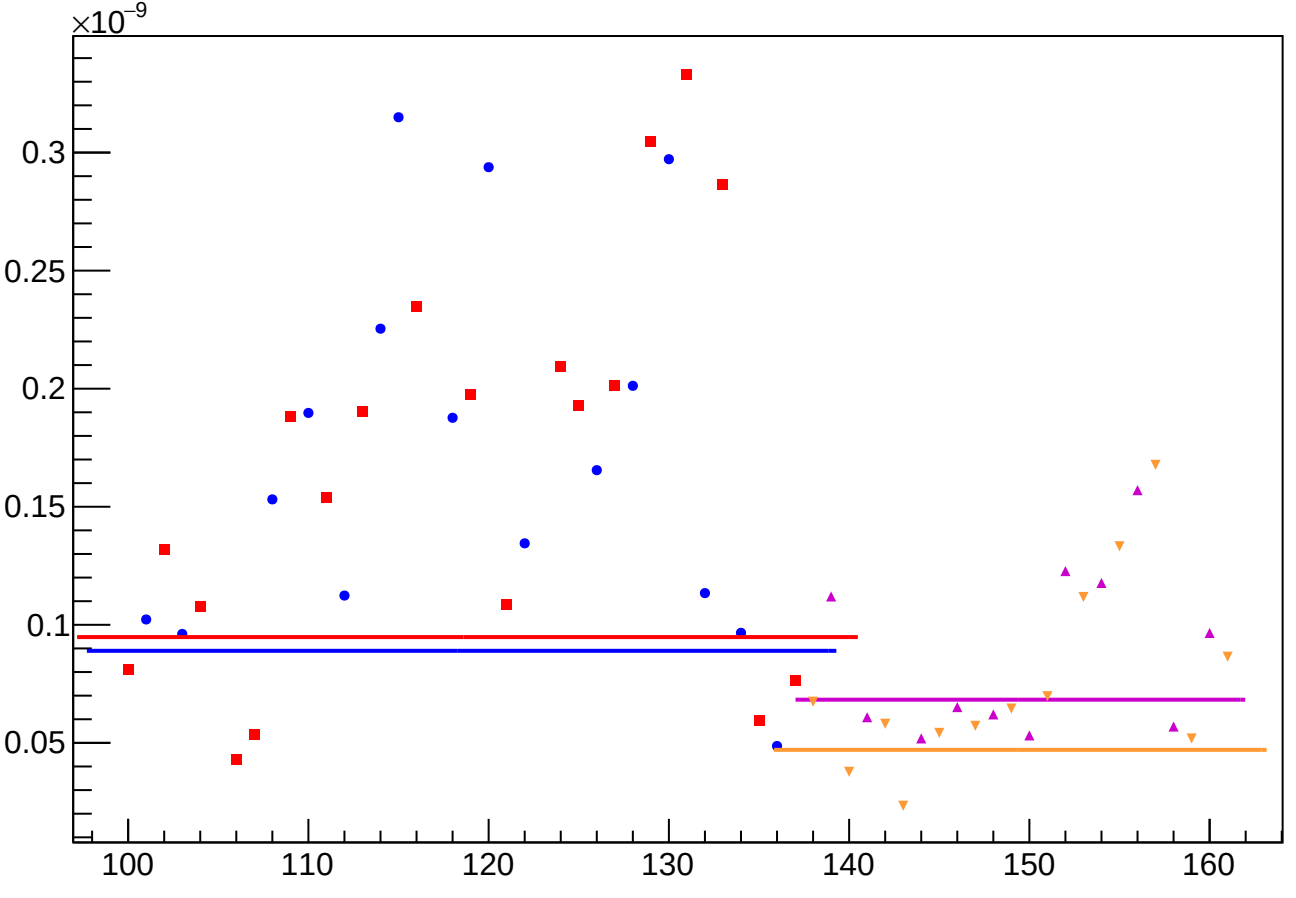
Left: -0.000+/-0.000 χ^2/NDF: 19.5/23

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:28.5/31

All: 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3172004.9/23

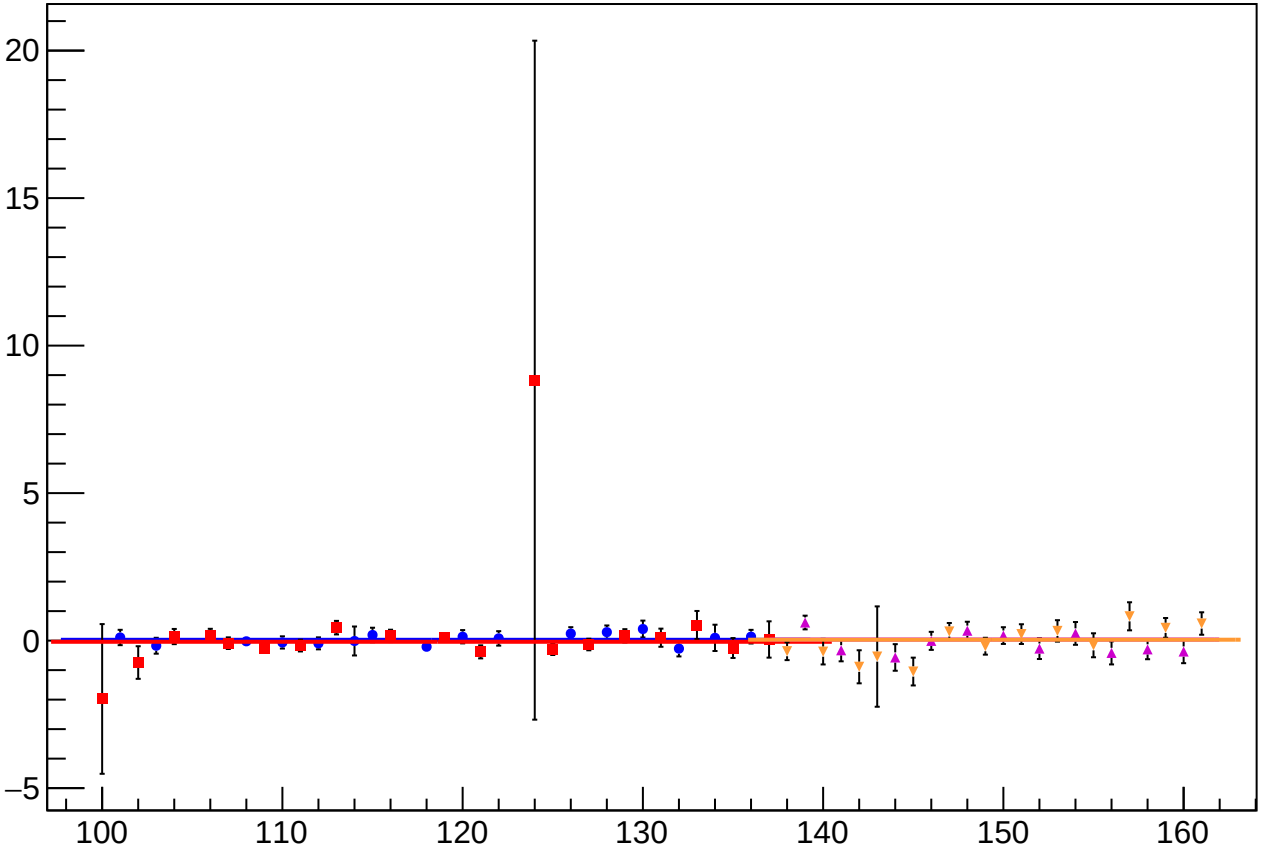
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4557854.0/31

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

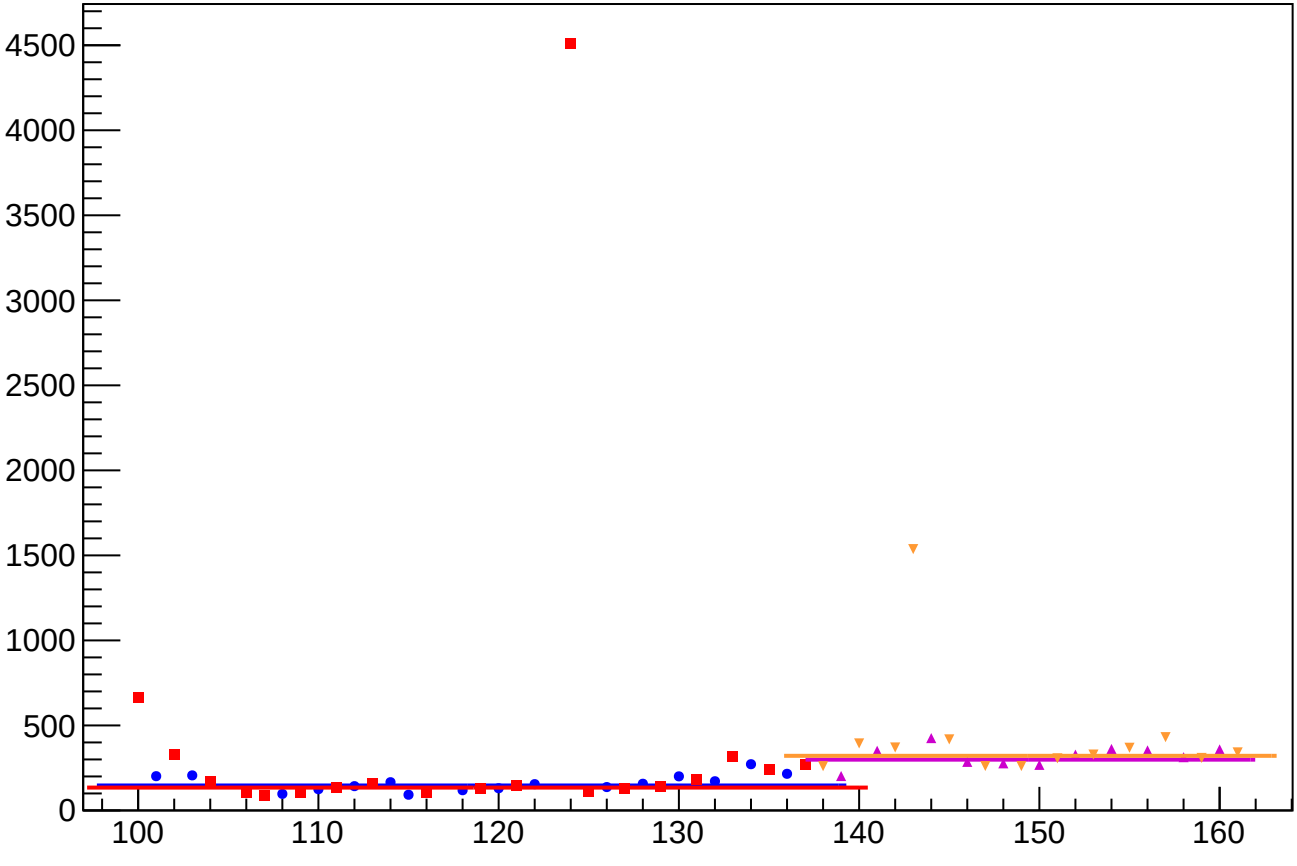
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

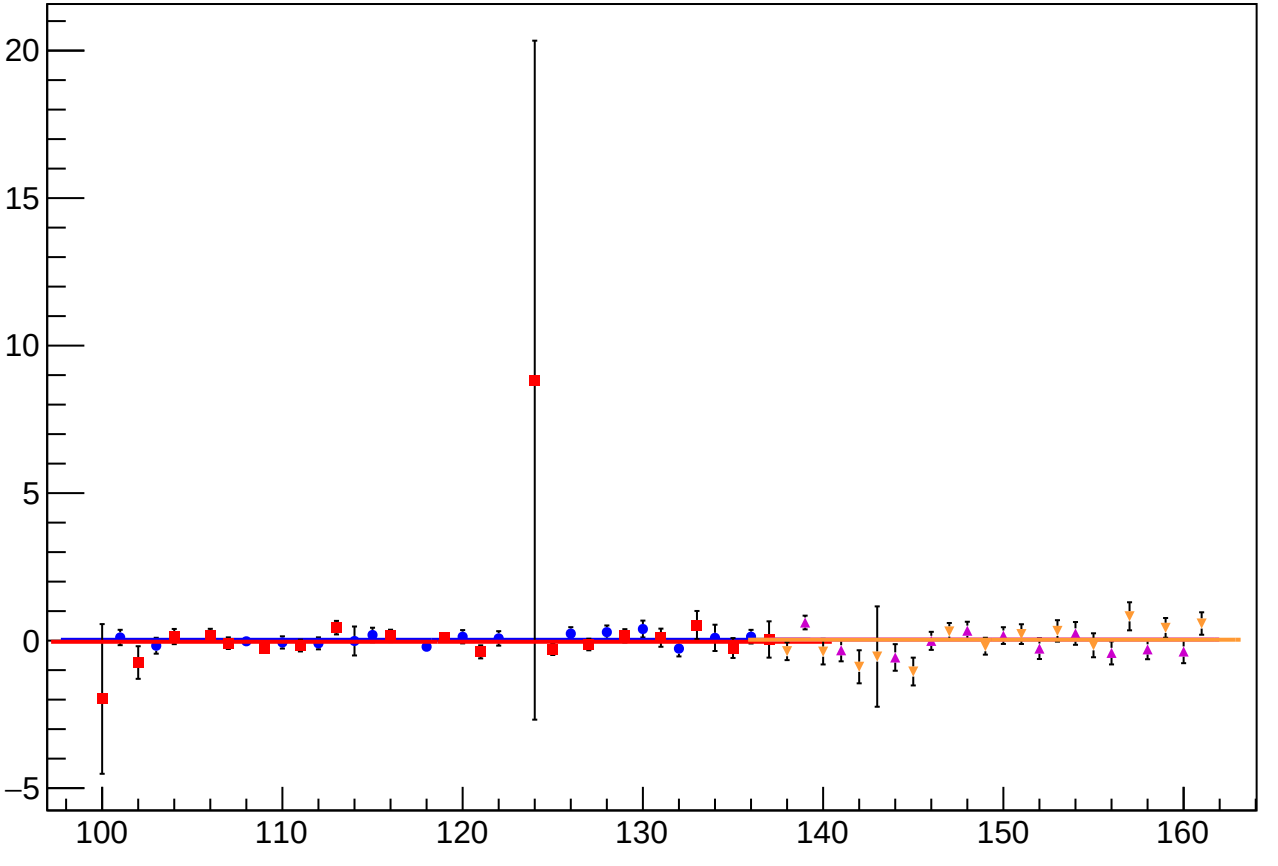
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

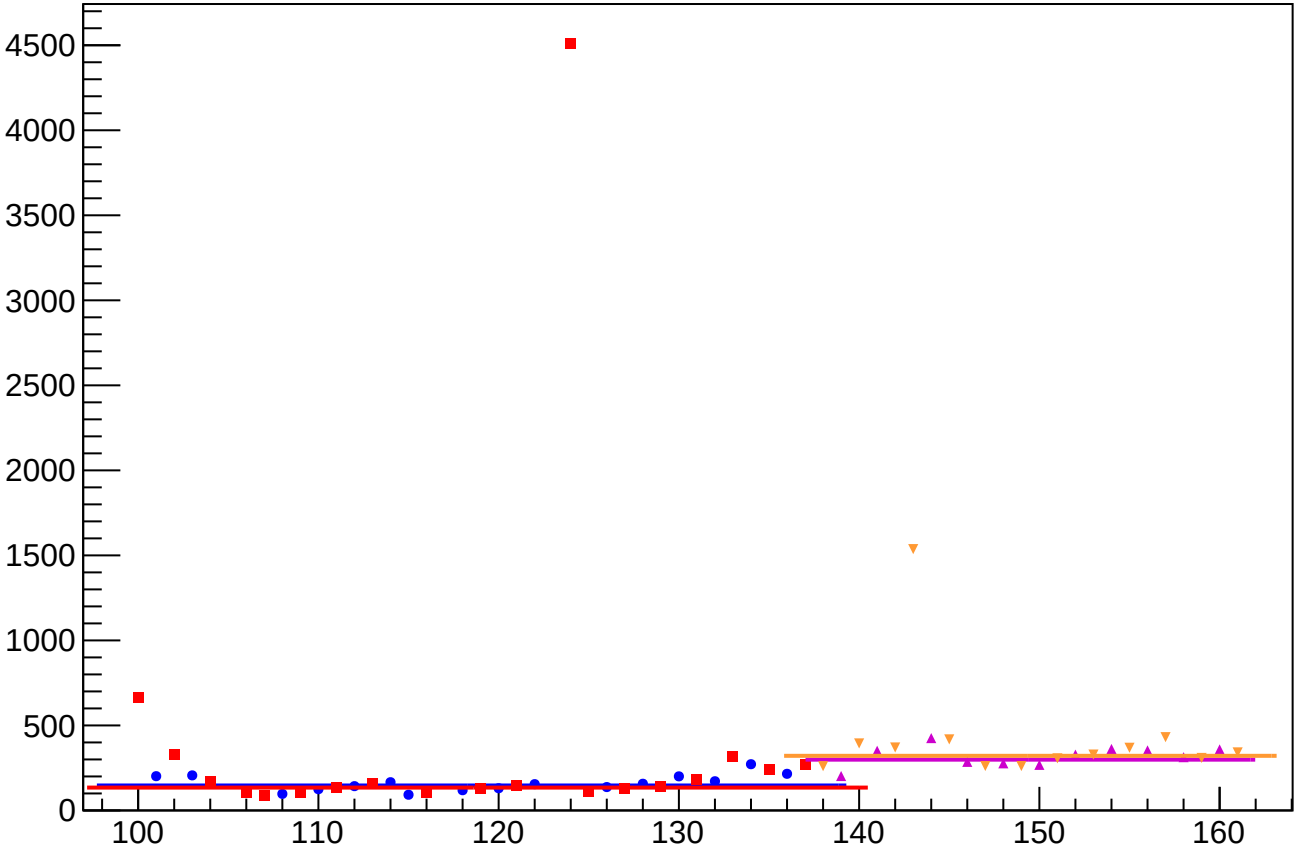
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

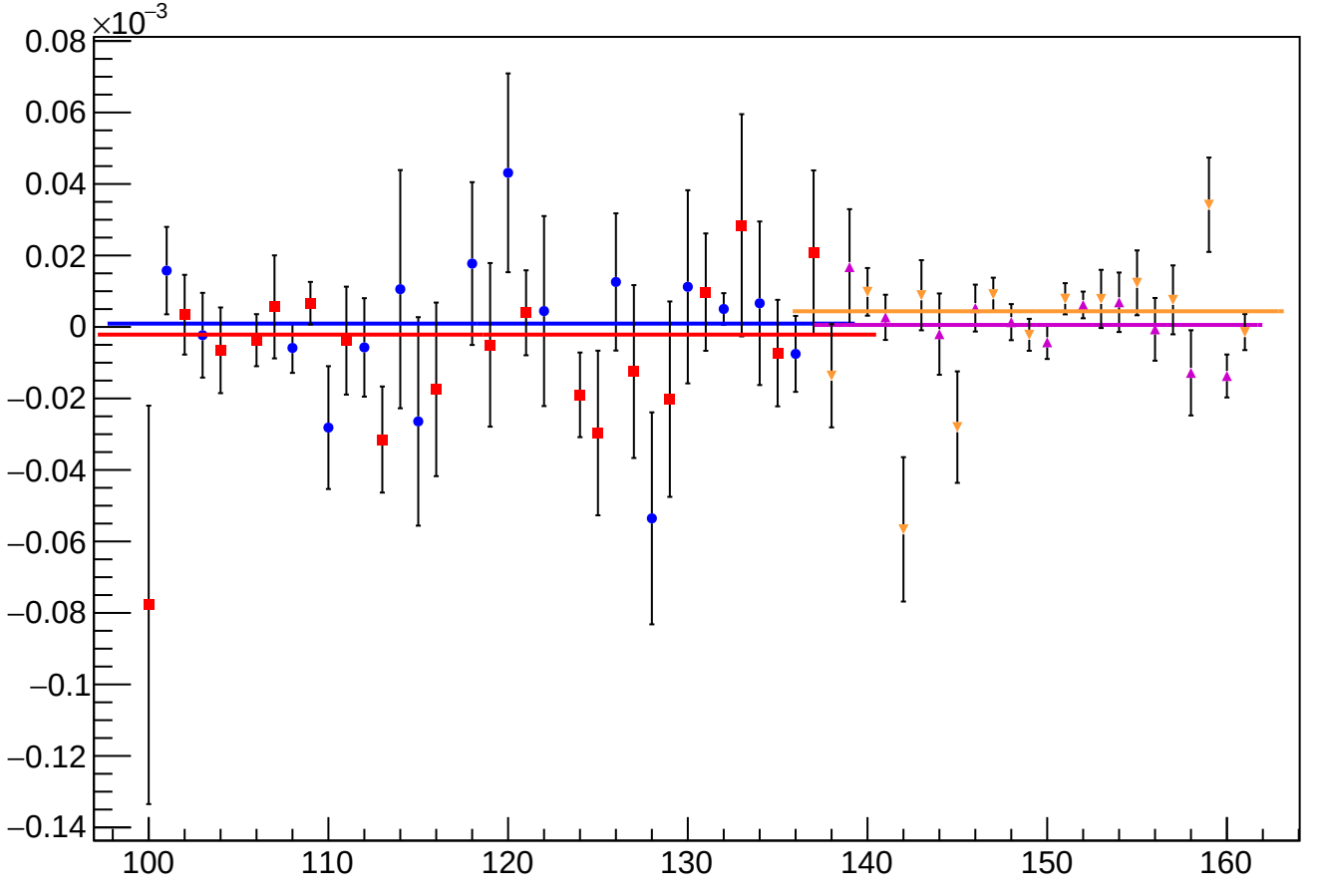
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

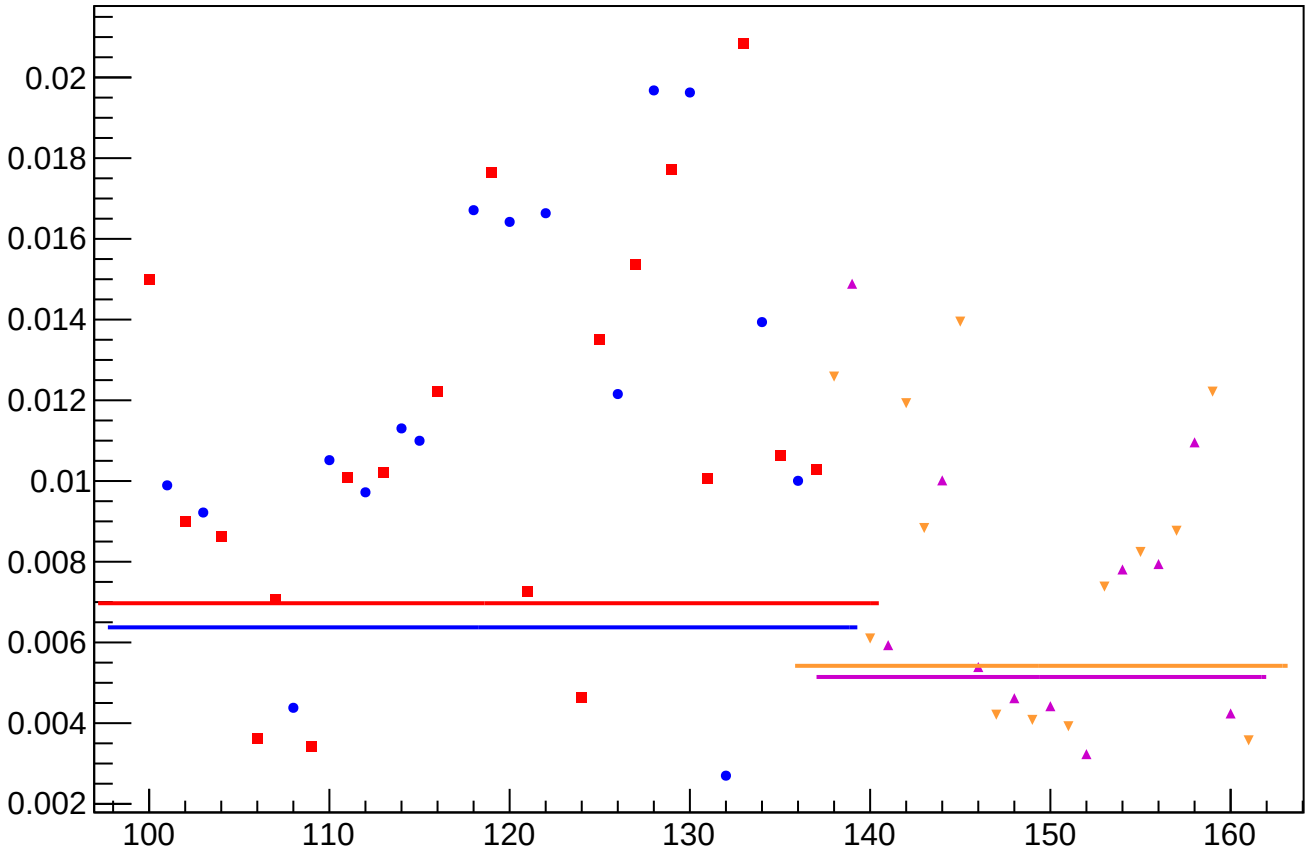
Left: 0.000+/-0.000 χ^2/NDF: 41.8/23

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: 0.000+/-0.000 χ^2/NDF:46.6/31

All: 0.000+/-0.000 χ^2/NDF: 74.7/58



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:3461386.7/12

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 6130699.2/23

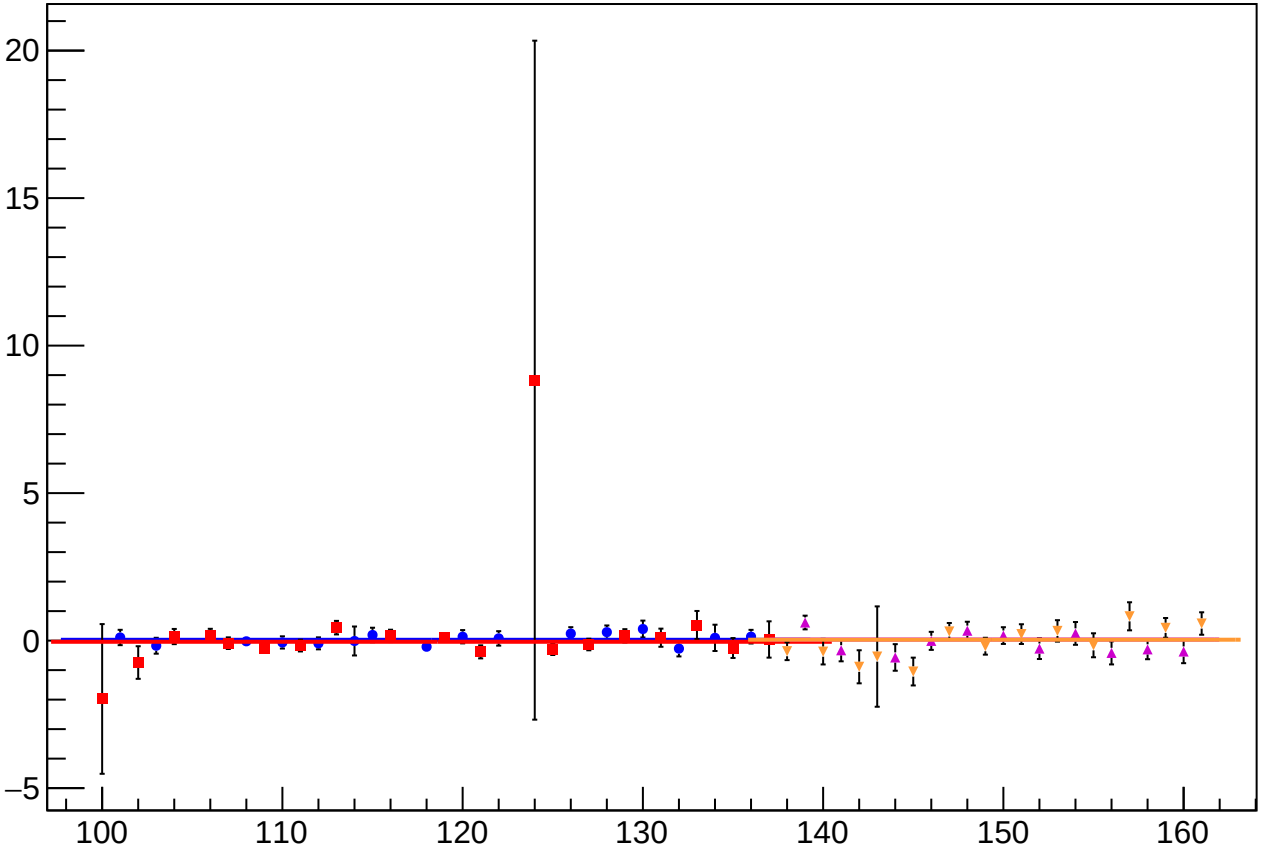
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:7250101.7/31

All: 0.006+/-0.000 χ^2/NDF: 14835992.4/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

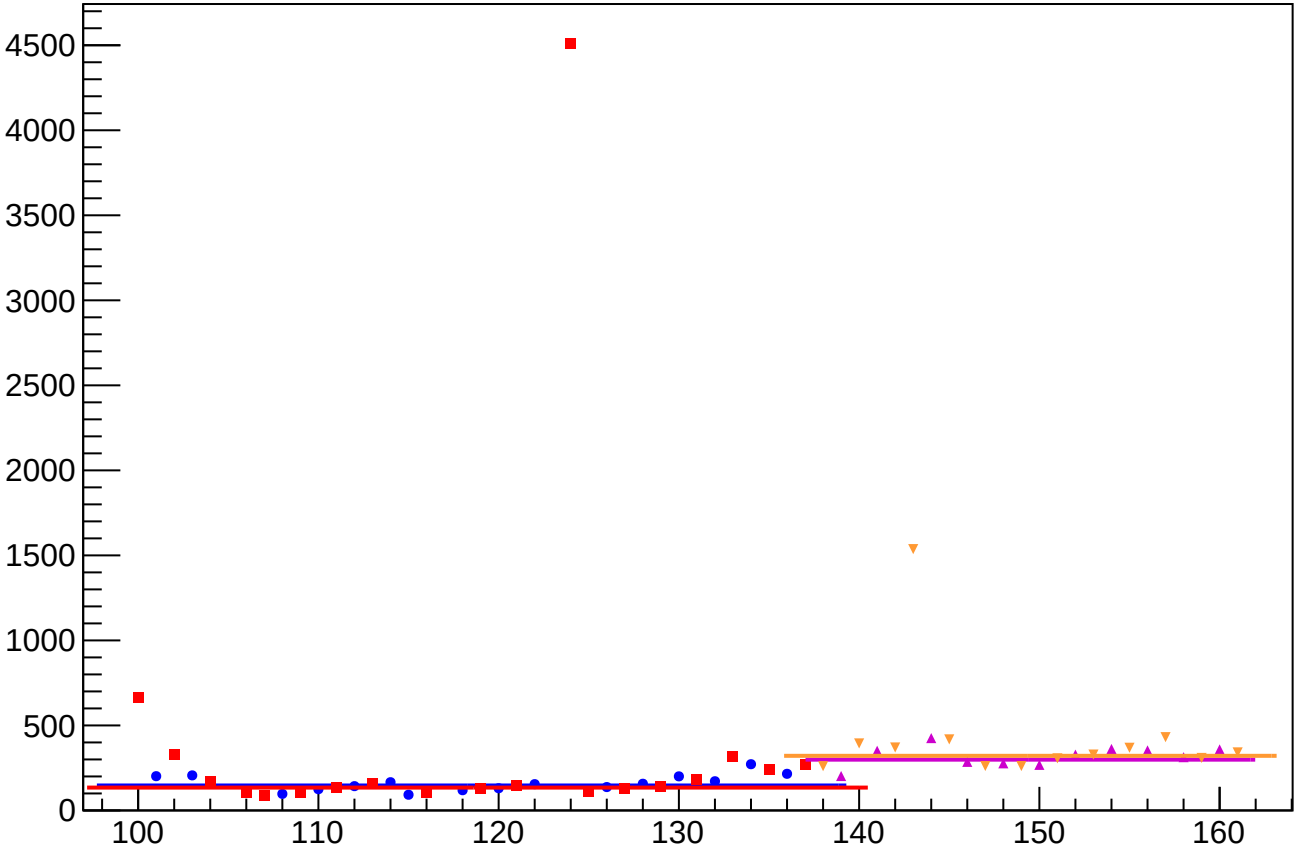
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

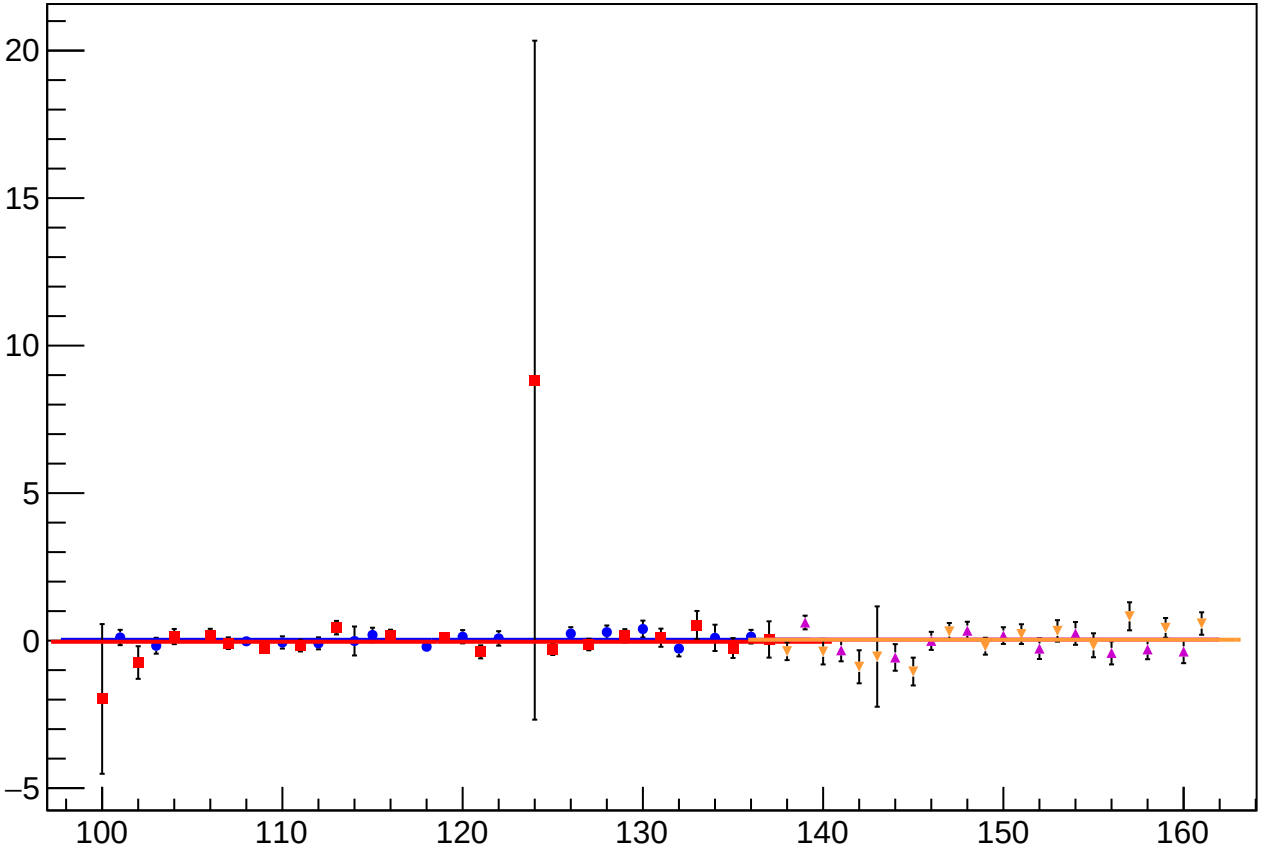
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

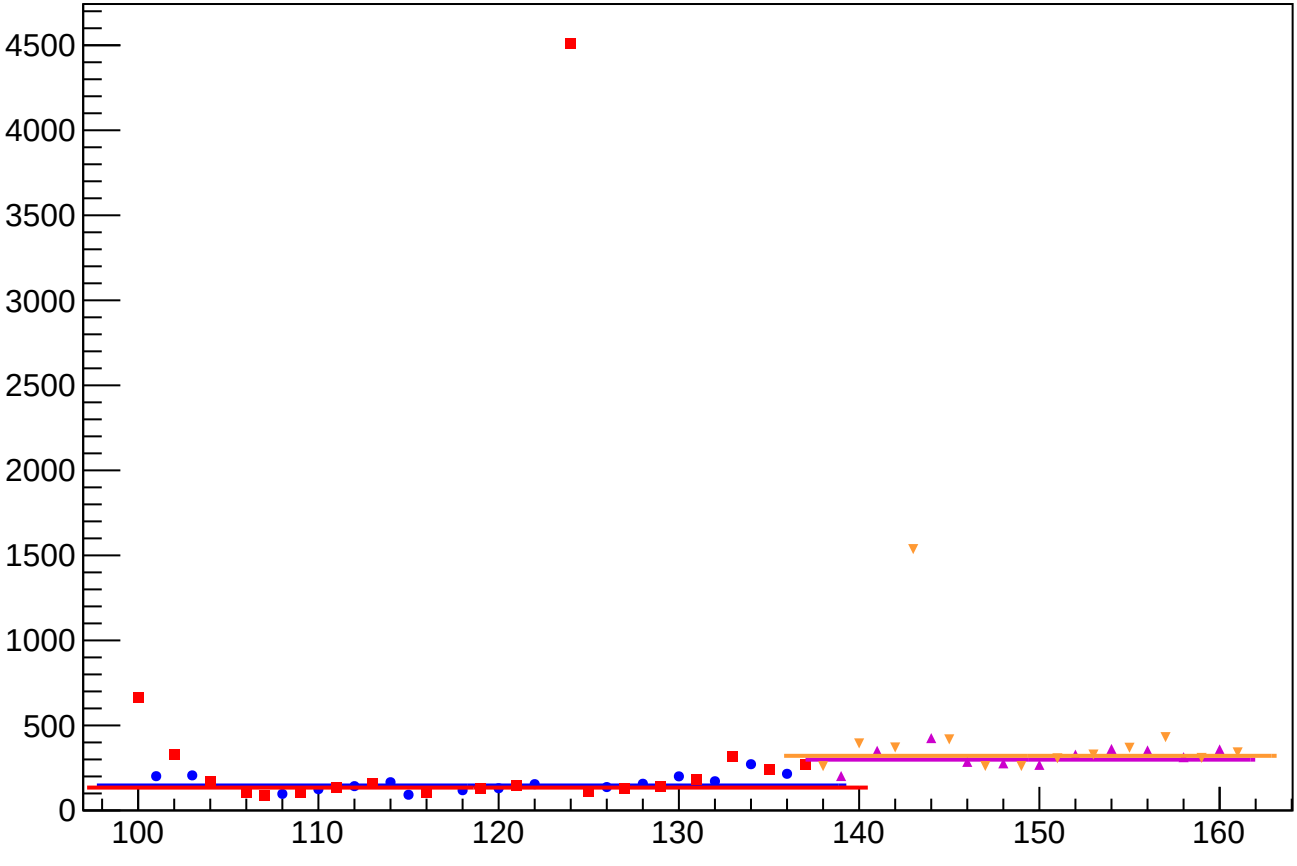
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

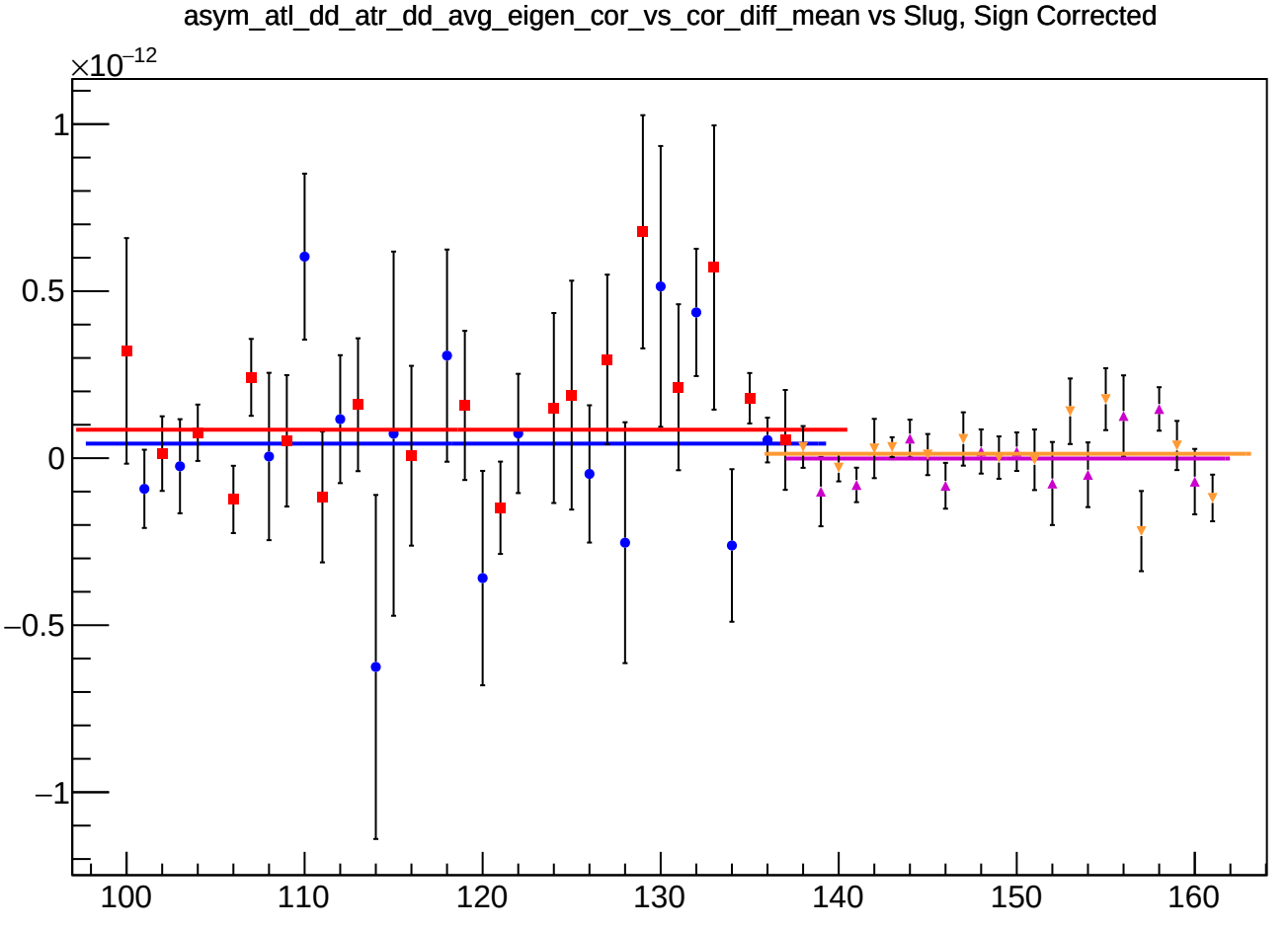
Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

Left: 0.000+/-0.000 χ^2/NDF: 27.9/23

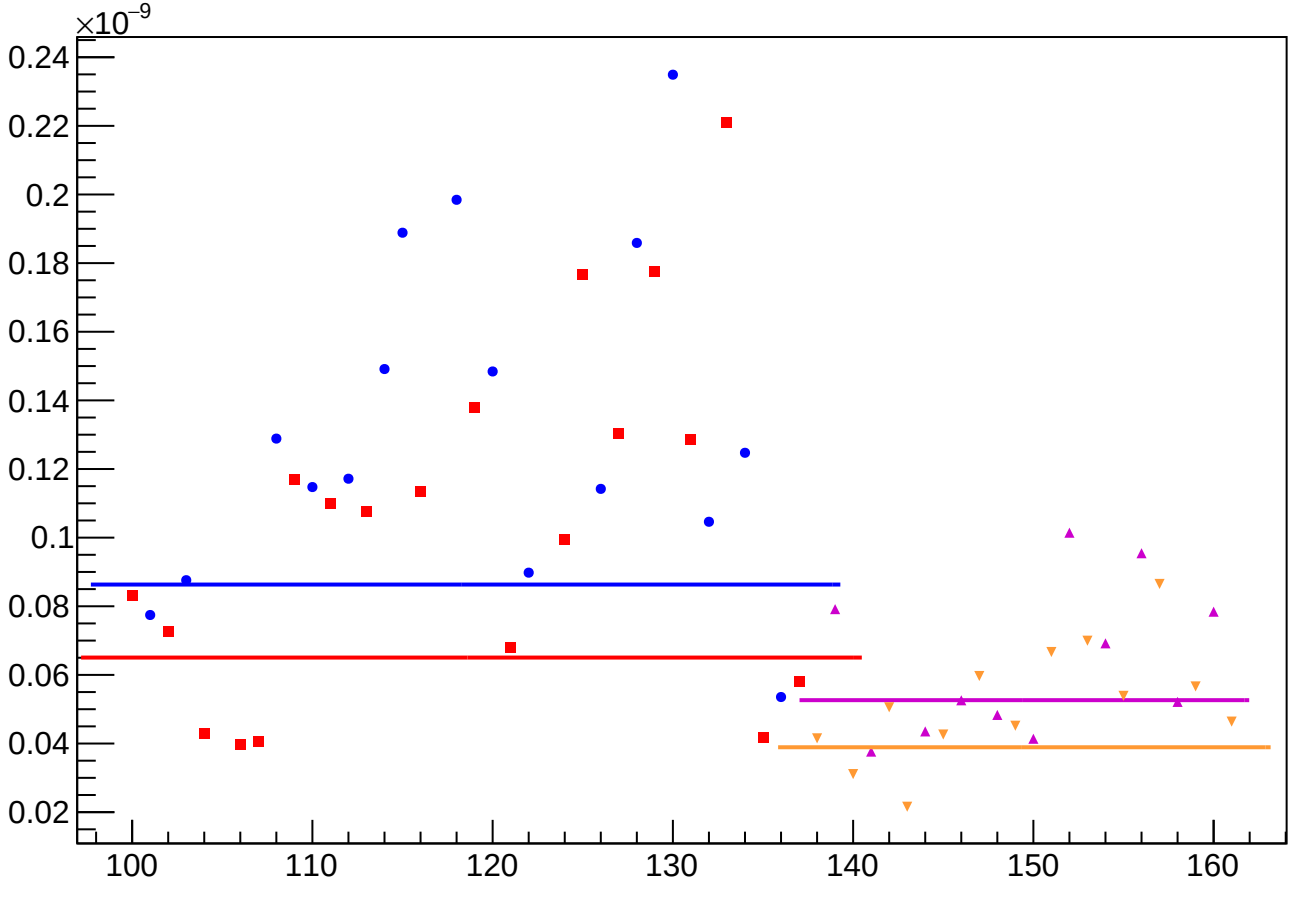
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:36.0/31

All: 0.000+/-0.000 χ^2/NDF: 69.9/58

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:1849570.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

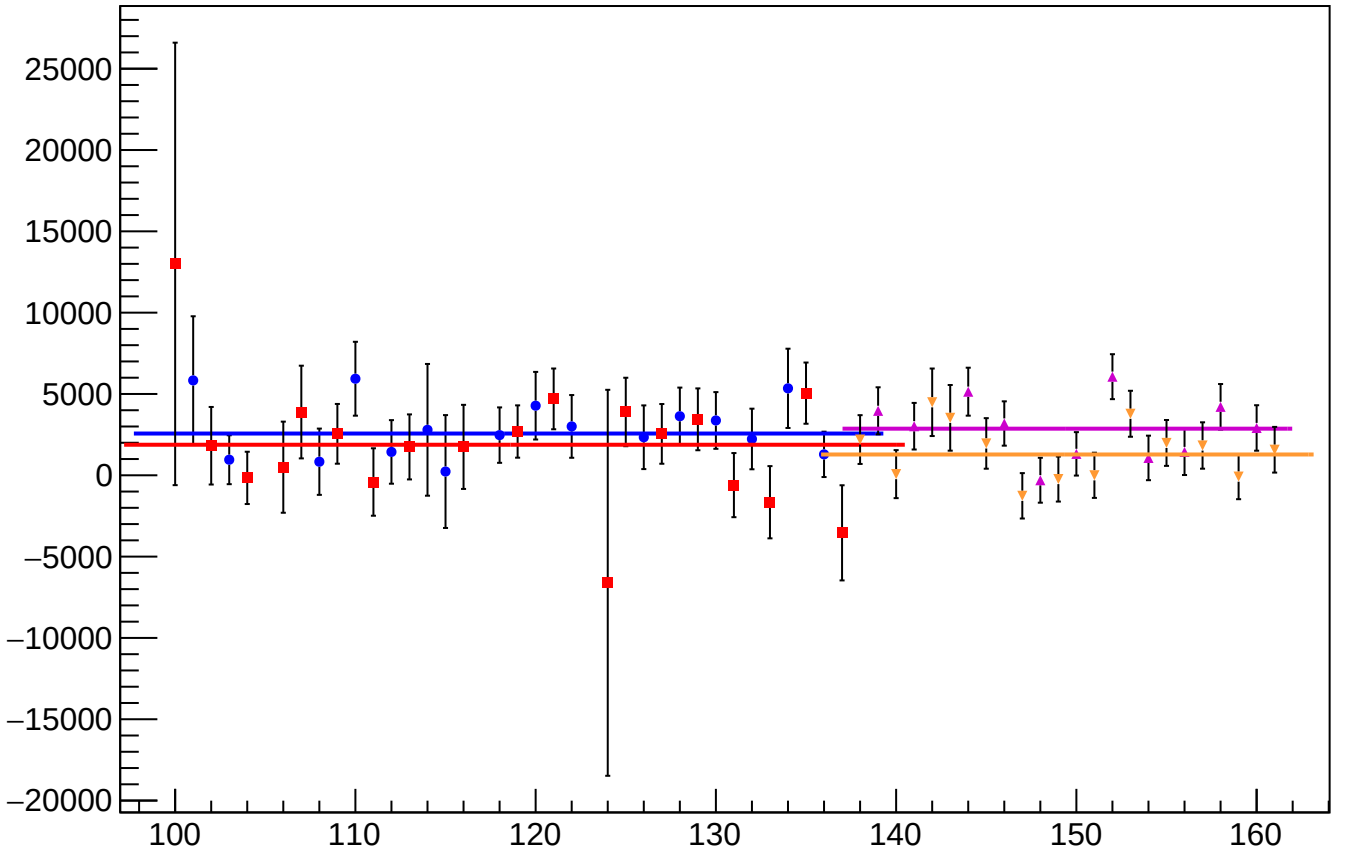
Left: 0.000+/-0.000 χ^2/NDF: 3538840.0/23

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3741570.3/26

Out: 0.000+/-0.000 χ^2/NDF:4950506.0/31

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.357+/-412.783 χ^2/NDF:14.8/12

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.009+/-421.720 χ^2/NDF:18.6/10

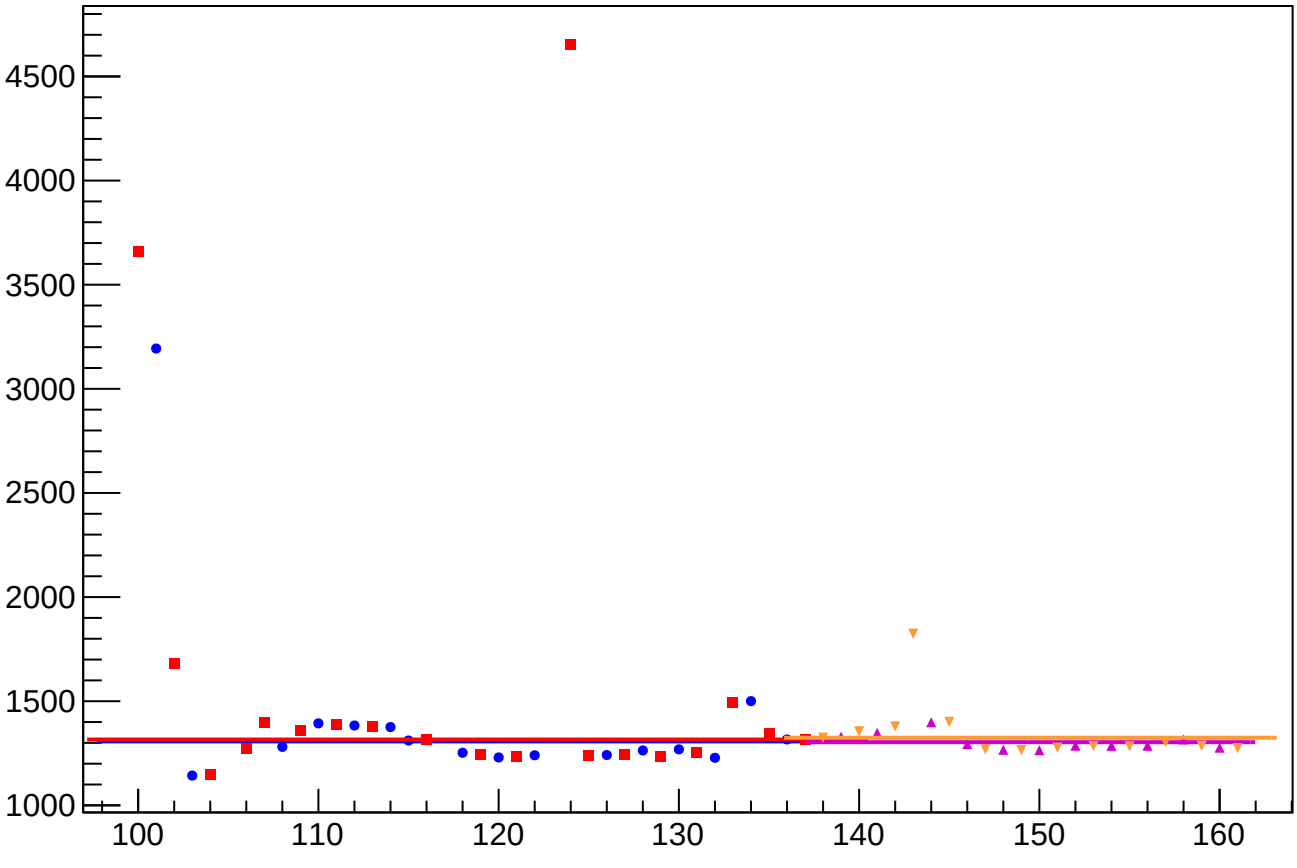
Left: 2055.693+/-294.991 χ^2/NDF: 40.6/23

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2740.555+/-321.114 χ^2/NDF:27.9/26

Out: 1525.078+/-316.946 χ^2/NDF:35.2/31

All: 2124.877+/-225.574 χ^2/NDF: 70.3/58



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1324.640+/-0.292 χ^2/NDF:146355.4/12

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

Left: 1314.175+/-0.209 χ^2/NDF: 164918.2/23

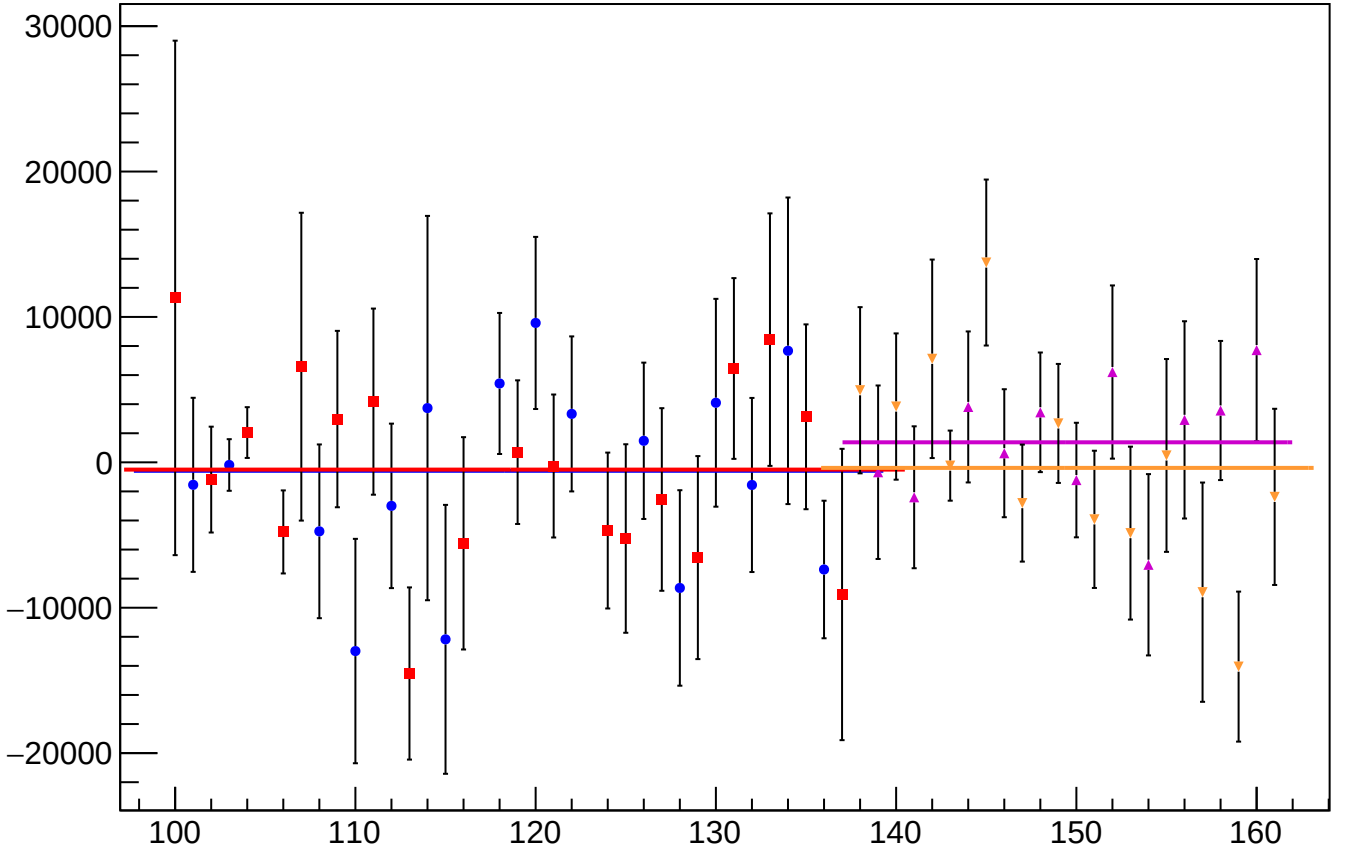
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1304.855+/-0.227 χ^2/NDF:532253.4/26

Out: 1321.082+/-0.224 χ^2/NDF:473136.3/31

All: 1313.084+/-0.159 χ^2/NDF: 1007979.4/58

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: -382.662+/-1297.342 χ^2/NDF:19.4/12

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1377.065+/-1530.143 χ^2/NDF:5.4/10

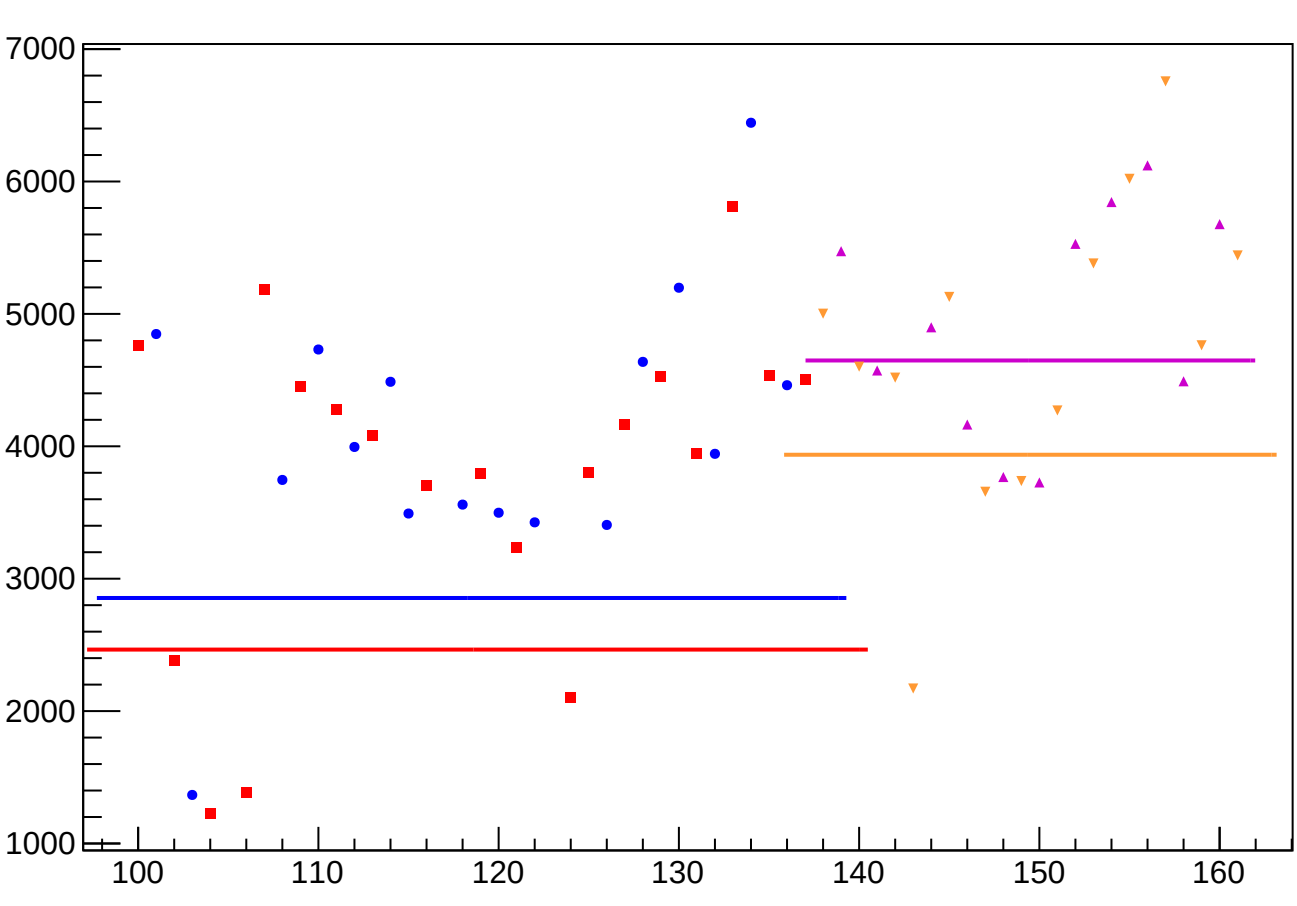
Left: 353.290+/-989.541 χ^2/NDF: 25.6/23

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 158.673+/-940.768 χ^2/NDF:21.2/26

Out: -453.328+/-818.722 χ^2/NDF:37.1/31

All: -189.575+/-617.597 χ^2/NDF: 58.5/58



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3936.205+/-0.917 χ^2/NDF:2073622.5/12

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4648.208+/-1.082 χ^2/NDF:536519.9/10

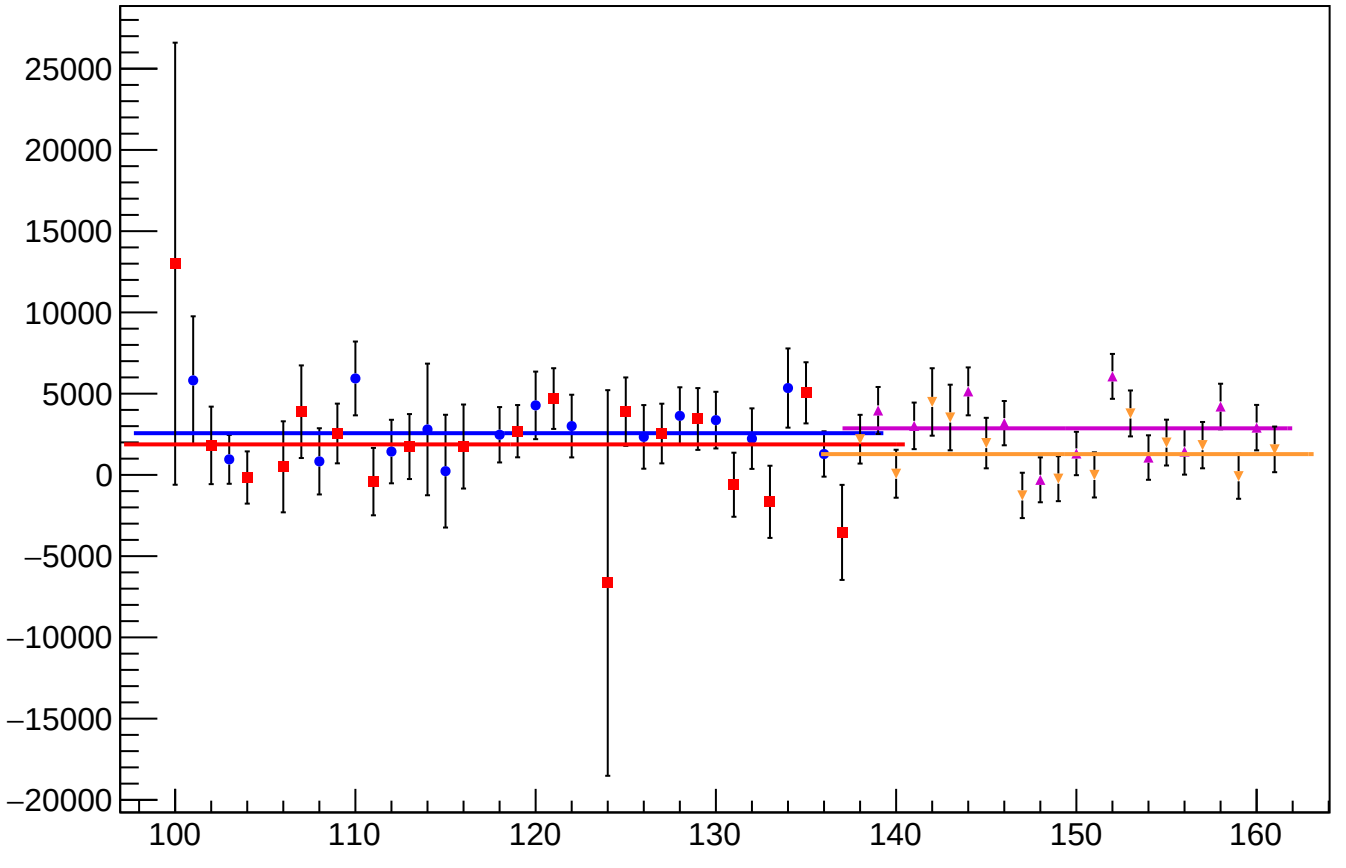
Left: 4233.978+/-0.700 χ^2/NDF: 2862077.7/23

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3532.412+/-0.665 χ^2/NDF:5151165.6/26

Out: 3050.673+/-0.579 χ^2/NDF:6978095.3/31

All: 3258.287+/-0.437 χ^2/NDF: 12427678.3/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.305+/-412.783 χ^2/NDF:14.8/12

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.098+/-421.720 χ^2/NDF:18.6/10

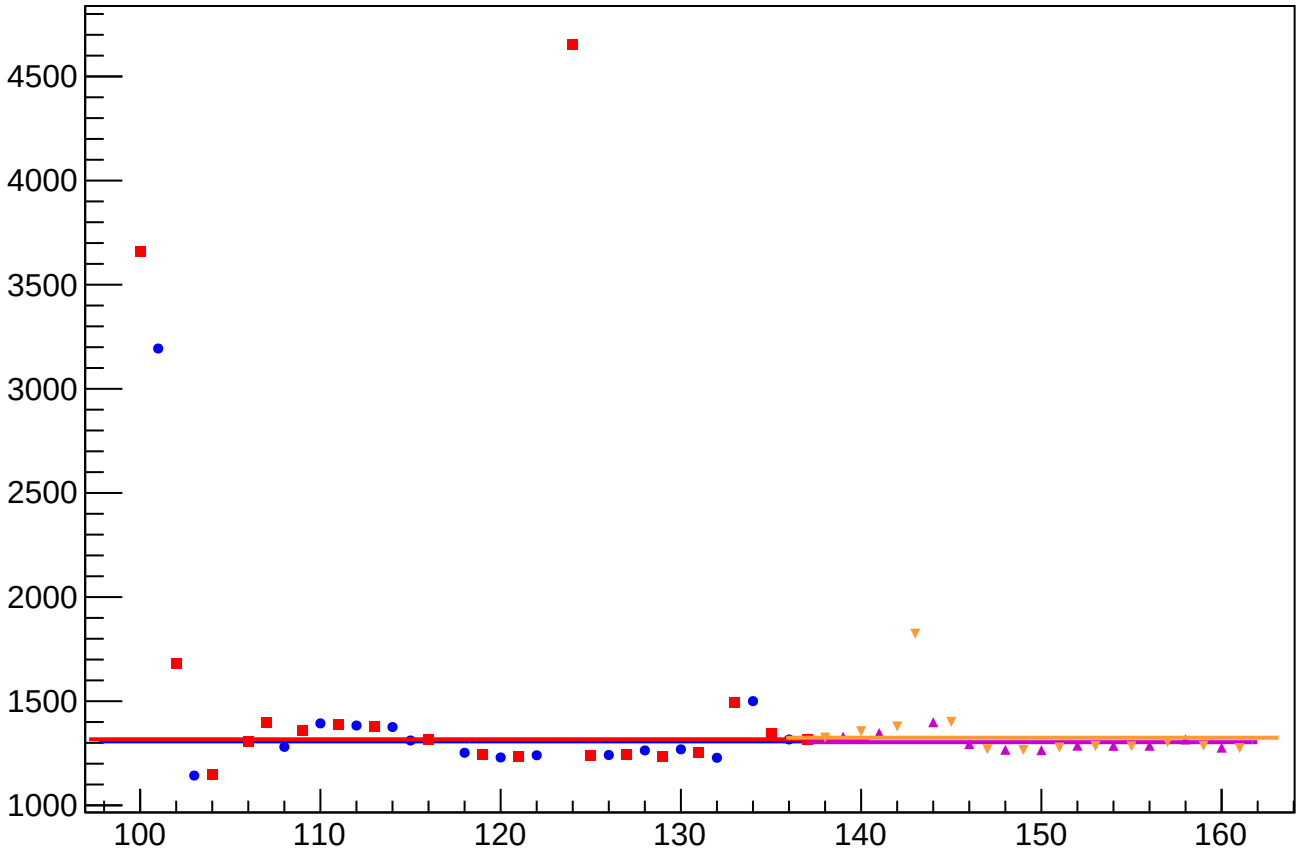
Left: 2055.710+/-294.991 χ^2/NDF: 40.7/23

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2740.489+/-321.114 χ^2/NDF:27.9/26

Out: 1524.942+/-316.946 χ^2/NDF:35.2/31

All: 2124.776+/-225.574 χ^2/NDF: 70.3/58



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1324.640+/-0.292 χ^2/NDF:146355.4/12

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

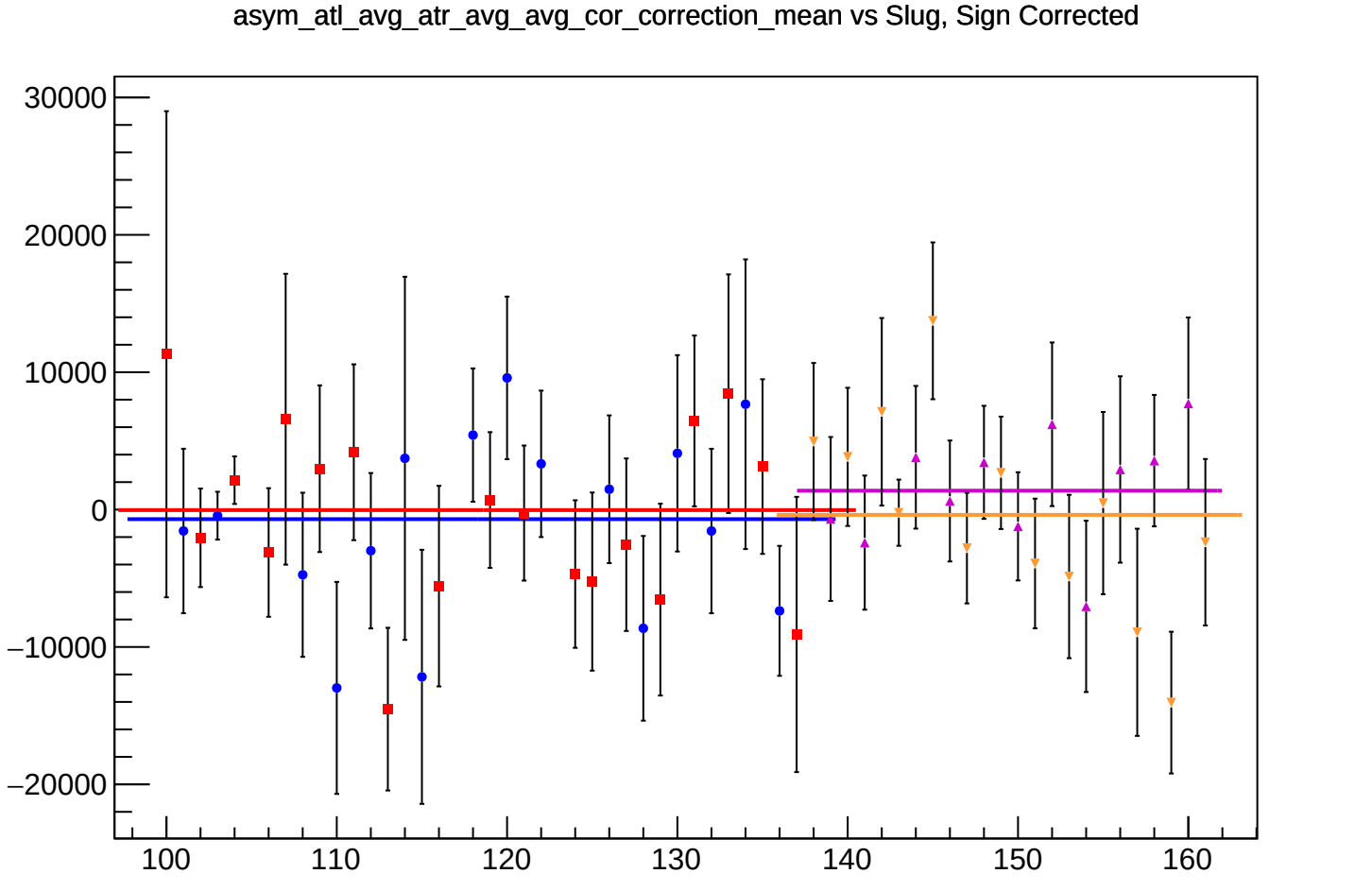
Left: 1314.175+/-0.209 χ^2/NDF: 164918.2/23

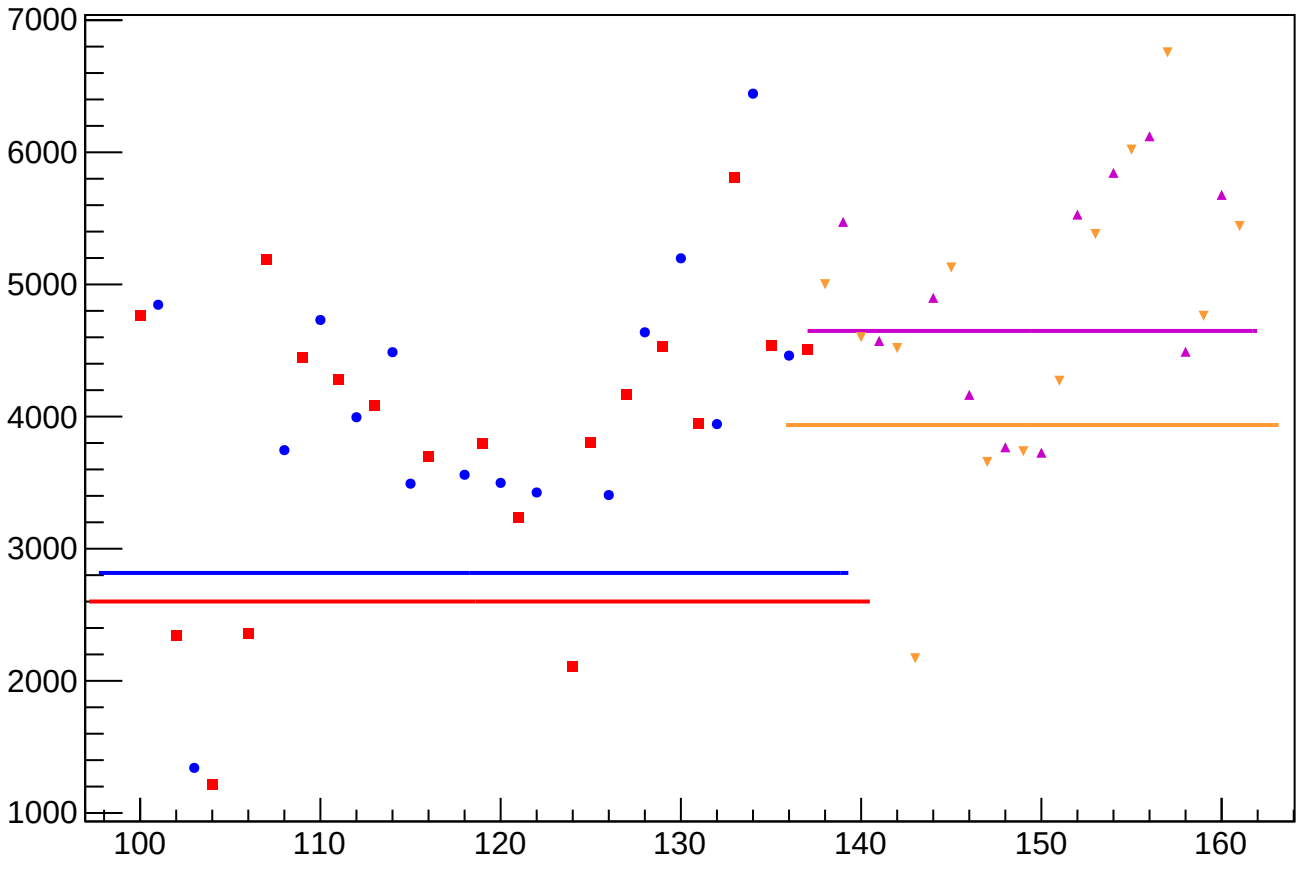
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1304.855+/-0.227 χ^2/NDF:532254.9/26

Out: 1321.550+/-0.224 χ^2/NDF:472554.6/31

All: 1313.318+/-0.159 χ^2/NDF: 1007549.9/58


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -382.685+/-1297.336 χ²/NDF:19.4/12
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 1377.147+/-1530.143 χ²/NDF:5.4/10
Left: 353.307+/-989.539 χ²/NDF: 25.6/23
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: 79.594+/-935.627 χ²/NDF:21.3/26
Out: -180.789+/-838.209 χ²/NDF:35.4/31
All: -64.854+/-624.313 χ²/NDF: 56.7/58



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3936.182+/-0.917 χ^2/NDF:2073688.2/12

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4648.207+/-1.082 χ^2/NDF:536526.4/10

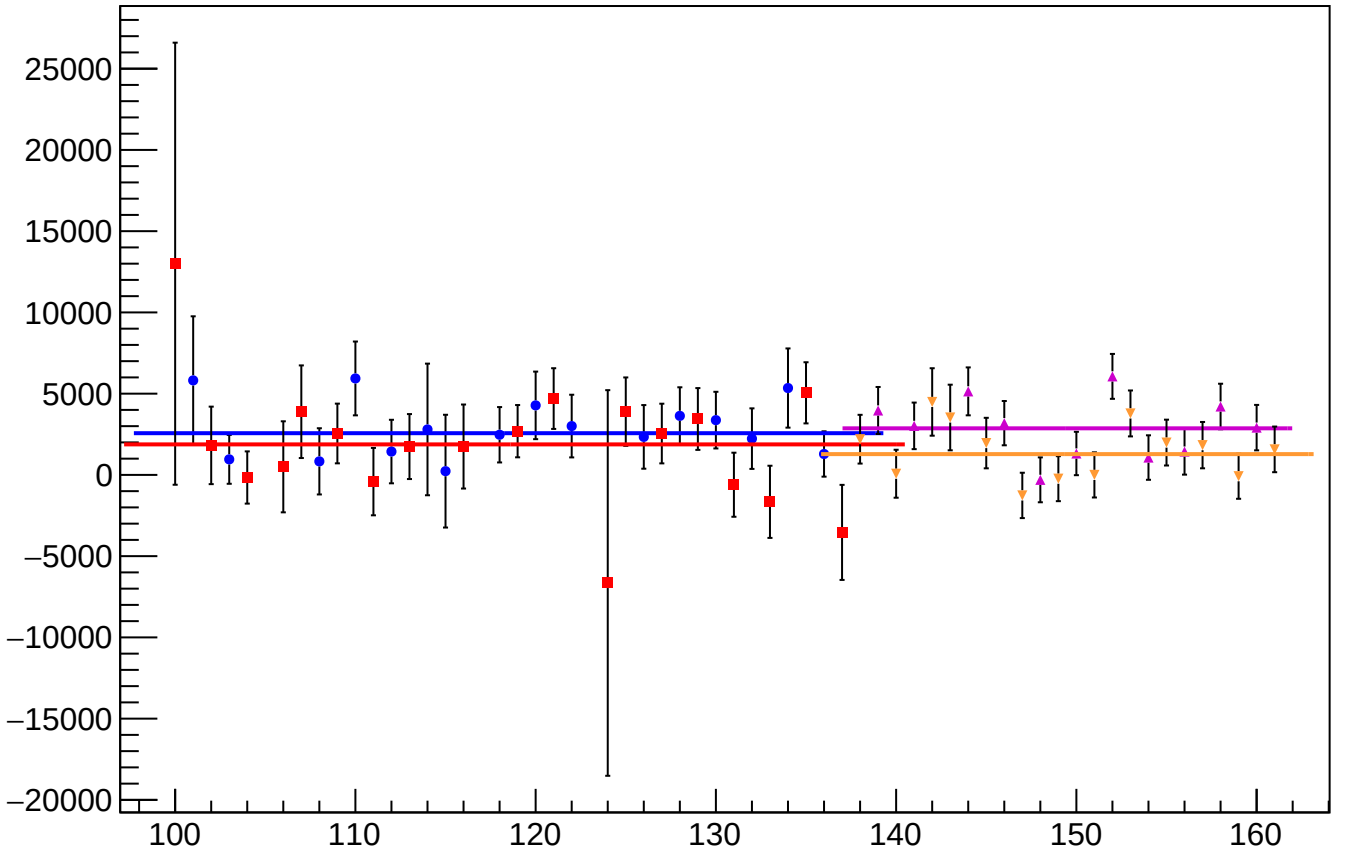
Left: 4233.963+/-0.700 χ^2/NDF: 2862166.9/23

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3501.531+/-0.662 χ^2/NDF:5337987.3/26

Out: 3158.088+/-0.593 χ^2/NDF:6389416.3/31

All: 3311.005+/-0.441 χ^2/NDF: 11876900.8/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.305+/-412.783 χ^2/NDF:14.8/12

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.098+/-421.720 χ^2/NDF:18.6/10

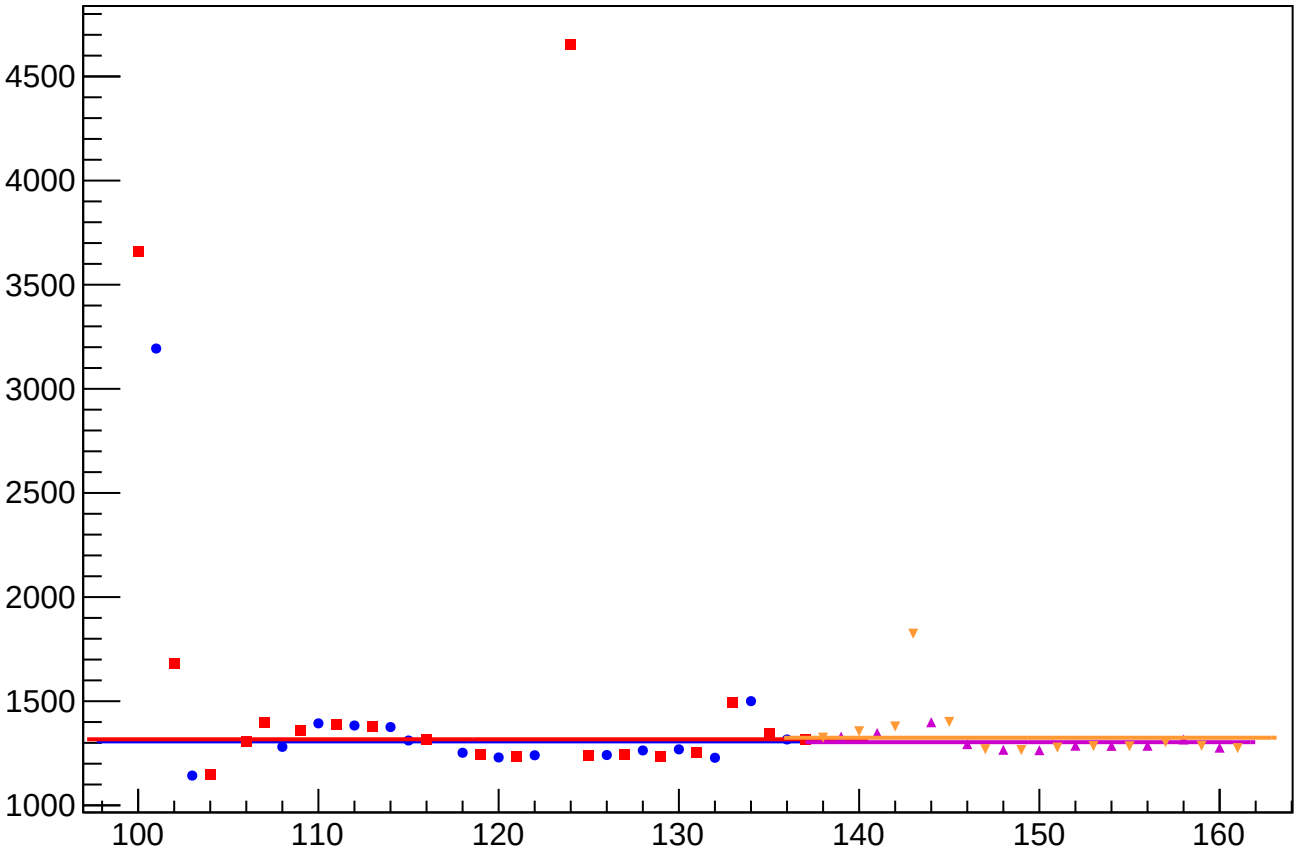
Left: 2055.710+/-294.991 χ^2/NDF: 40.7/23

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2740.489+/-321.114 χ^2/NDF:27.9/26

Out: 1524.942+/-316.946 χ^2/NDF:35.2/31

All: 2124.776+/-225.574 χ^2/NDF: 70.3/58



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1324.640+/-0.292 χ^2/NDF:146355.4/12

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

Left: 1314.175+/-0.209 χ^2/NDF: 164918.2/23

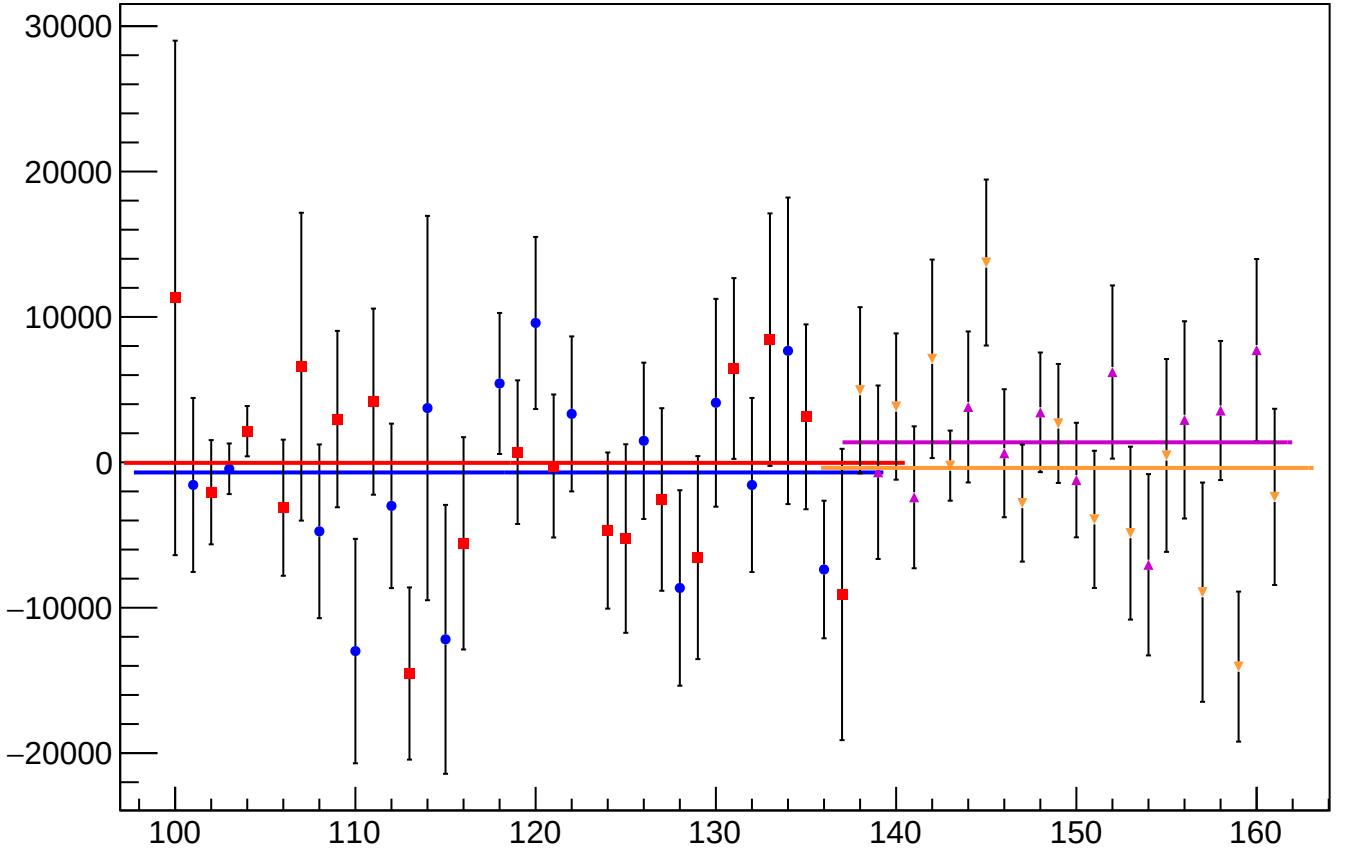
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1304.855+/-0.227 χ^2/NDF:532254.9/26

Out: 1321.550+/-0.224 χ^2/NDF:472554.6/31

All: 1313.318+/-0.159 χ^2/NDF: 1007549.9/58

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: -382.685+/-1297.336 χ^2/NDF:19.4/12

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1377.147+/-1530.143 χ^2/NDF:5.4/10

Left: 353.307+/-989.539 χ^2/NDF: 25.6/23

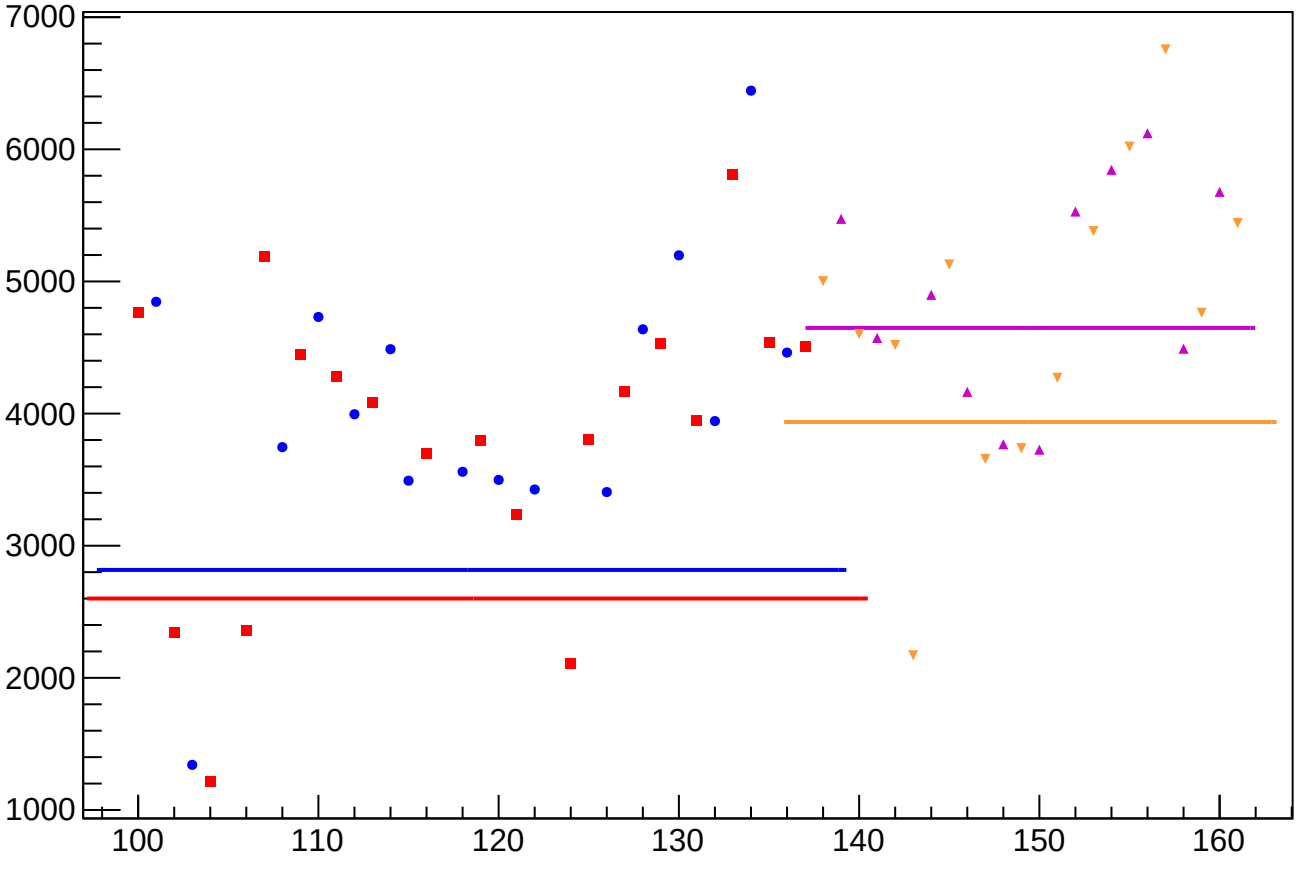
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 79.594+/-935.627 χ^2/NDF:21.3/26

Out: -180.789+/-838.209 χ^2/NDF:35.4/31

All: -64.854+/-624.313 χ^2/NDF: 56.7/58

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3936.182+/-0.917 χ^2/NDF:2073688.2/12

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4648.207+/-1.082 χ^2/NDF:536526.4/10

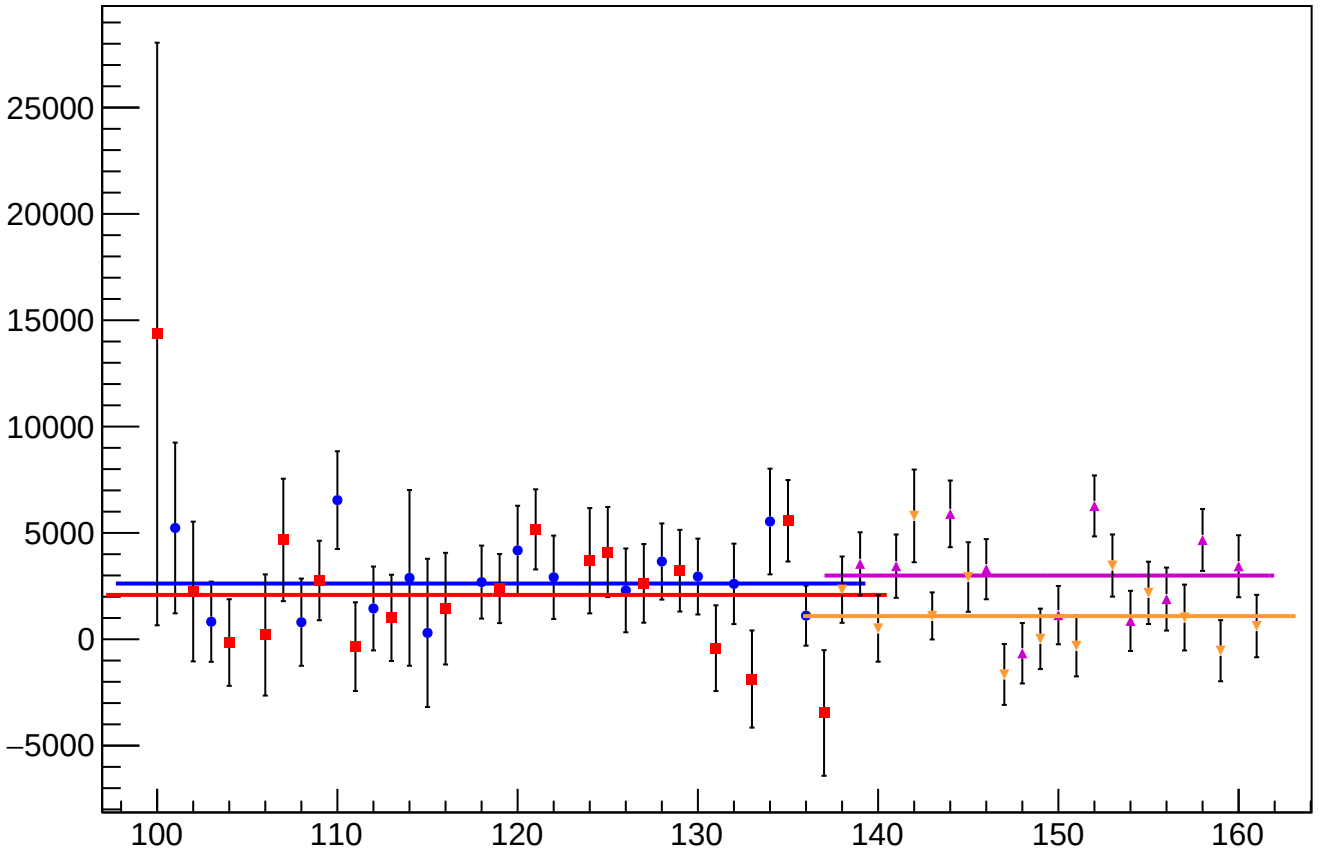
Left: 4233.963+/-0.700 χ^2/NDF: 2862166.9/23

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3501.531+/-0.662 χ^2/NDF:5337987.3/26

Out: 3158.088+/-0.593 χ^2/NDF:6389416.3/31

All: 3311.005+/-0.441 χ^2/NDF: 11876900.8/5



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1090.099+/-408.611 χ^2/NDF:16.5/12

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2996.309+/-437.333 χ^2/NDF:21.6/10

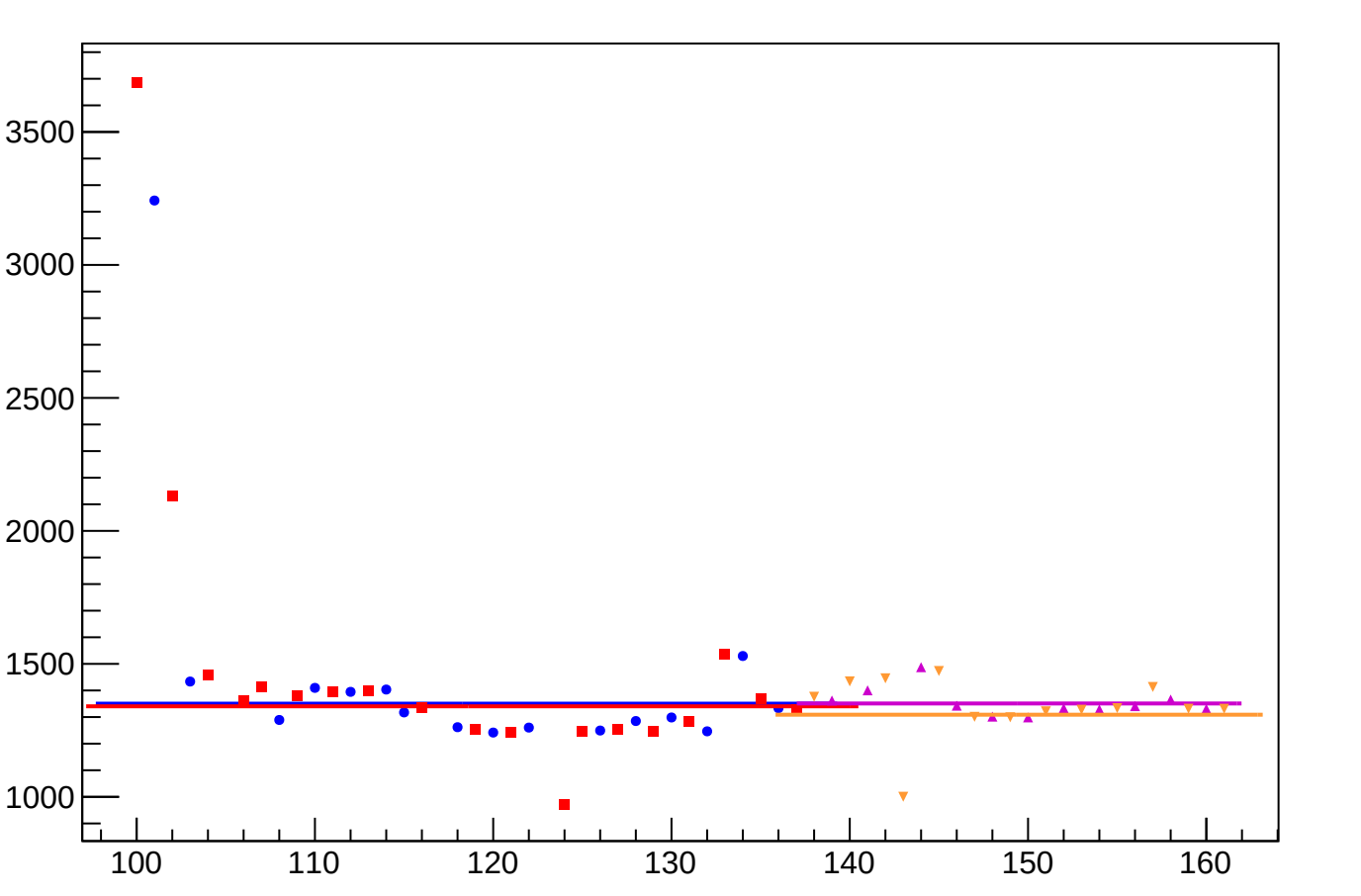
Left: 1978.557+/-298.570 χ^2/NDF: 48.3/23

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2837.620+/-332.403 χ^2/NDF:31.3/26

Out: 1484.100+/-317.620 χ^2/NDF:39.8/31

All: 2130.095+/-229.640 χ^2/NDF: 79.7/58



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1308.868+/-0.289 χ^2/NDF:211239.3/12

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1351.067+/-0.309 χ^2/NDF:24336.4/10

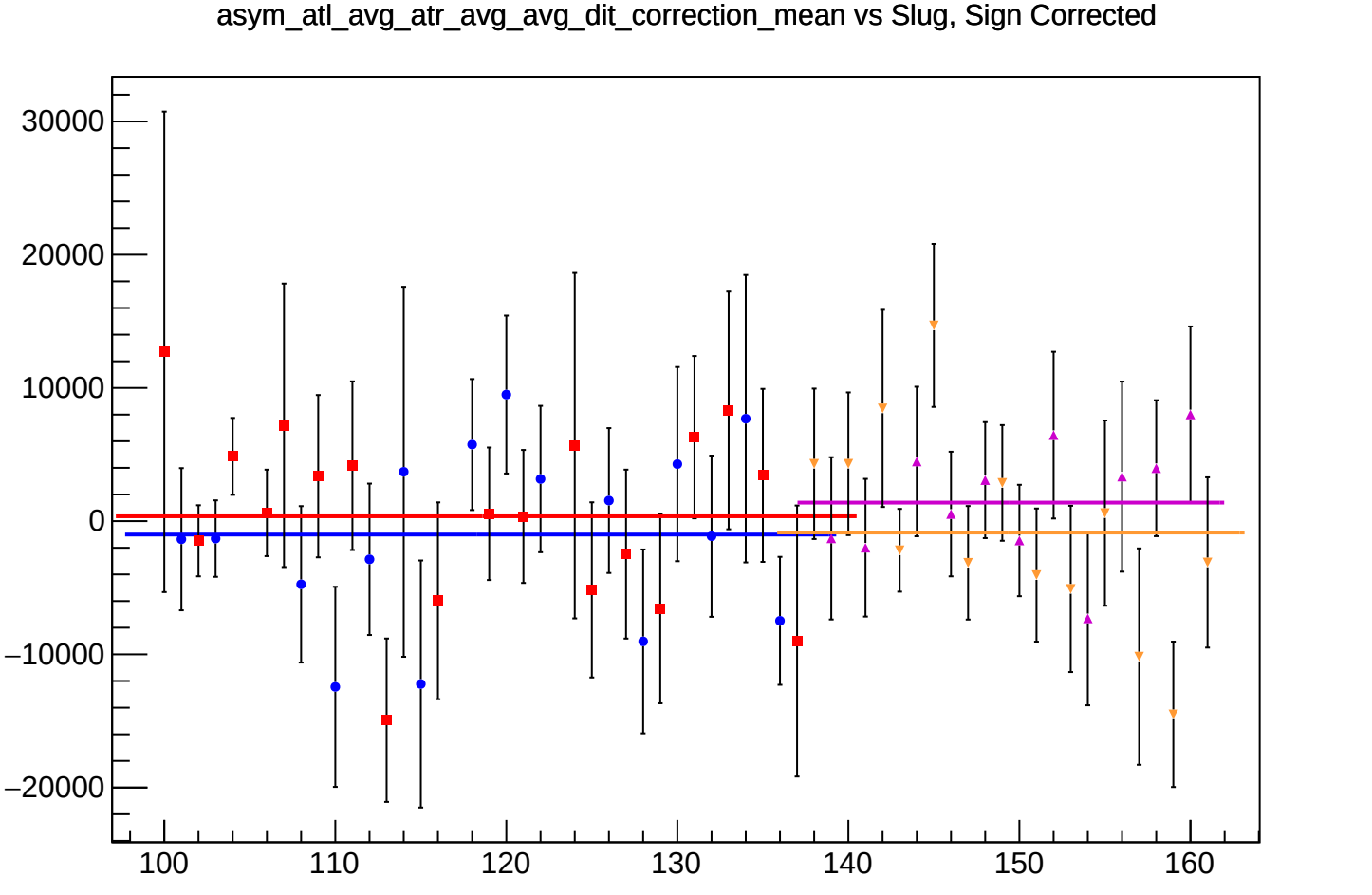
Left: 1328.536+/-0.211 χ^2/NDF: 245517.8/23

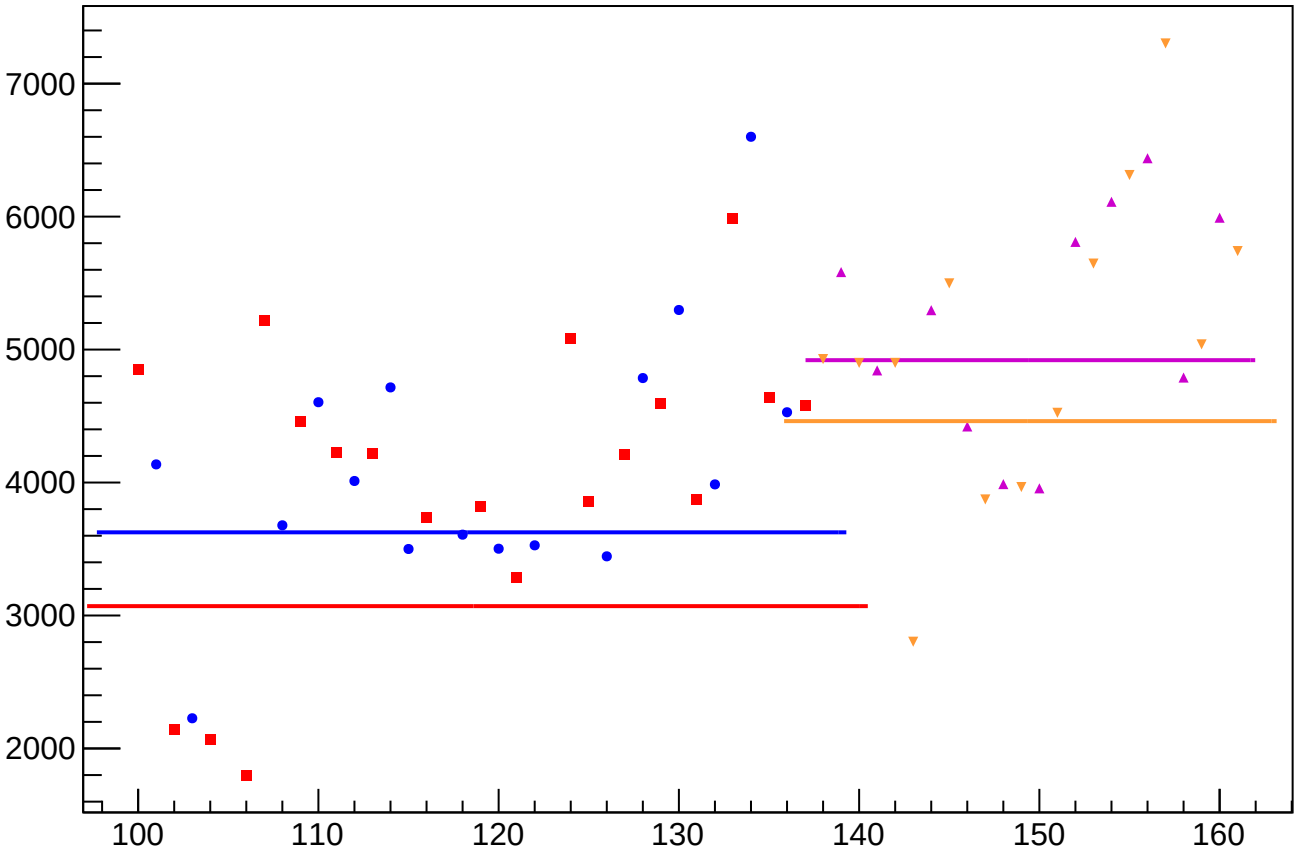
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1350.772+/-0.235 χ^2/NDF:518389.6/26

Out: 1321.368+/-0.225 χ^2/NDF:488148.8/31

All: 1335.398+/-0.162 χ^2/NDF: 1014720.9/58


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -853.995+/-1439.580 χ²/NDF:19.6/12
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1390.441+/-1618.399 χ²/NDF:5.3/10
Left: 137.424+/-1075.624 χ²/NDF: 26.0/23
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 23.031+/-1060.735 χ²/NDF:21.2/26
Out: -136.286+/-922.886 χ²/NDF:36.3/31
All: -67.646+/-696.250 χ²/NDF: 57.5/58



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4461.882+/-1.018 χ^2/NDF:1287249.5/12

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4920.300+/-1.144 χ^2/NDF:505472.5/10

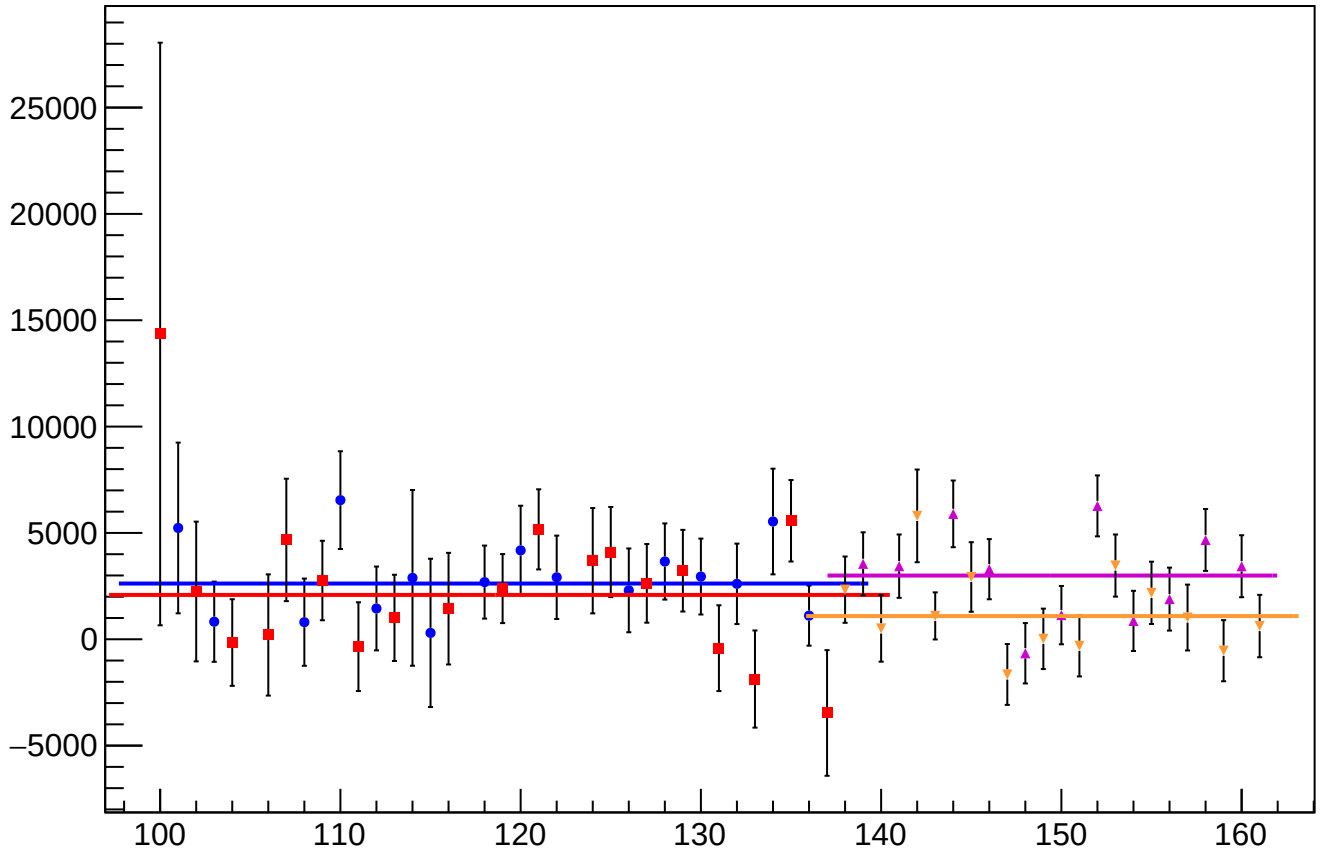
Left: 4664.376+/-0.761 χ^2/NDF: 1882306.1/23

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4181.725+/-0.750 χ^2/NDF:2180595.4/26

Out: 3642.301+/-0.653 χ^2/NDF:4226471.1/31

All: 3874.707+/-0.492 χ^2/NDF: 6701447.8/58



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1090.094+/-408.611 χ^2/NDF:16.5/12

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2996.308+/-437.334 χ^2/NDF:21.6/10

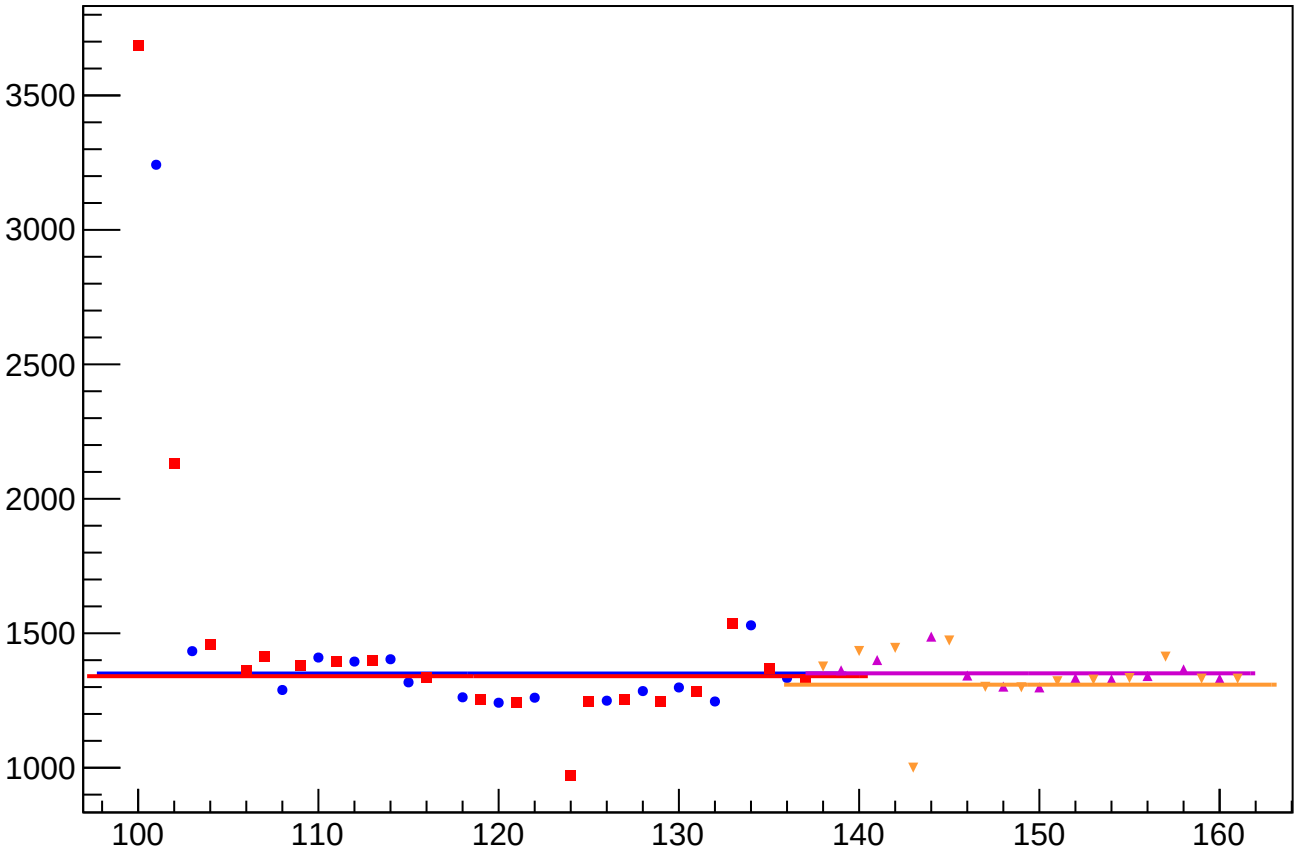
Left: 1978.554+/-298.570 χ^2/NDF: 48.3/23

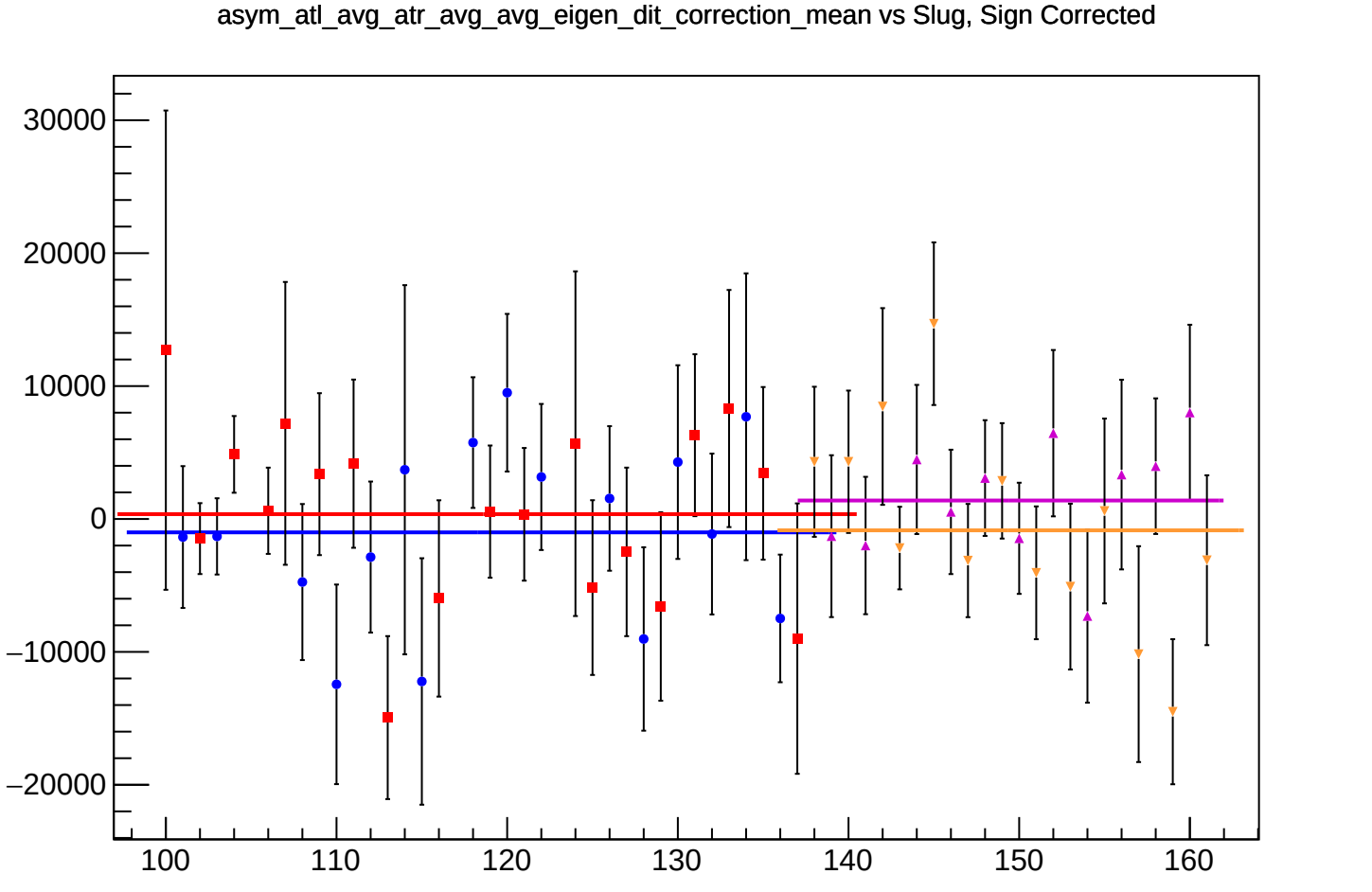
Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

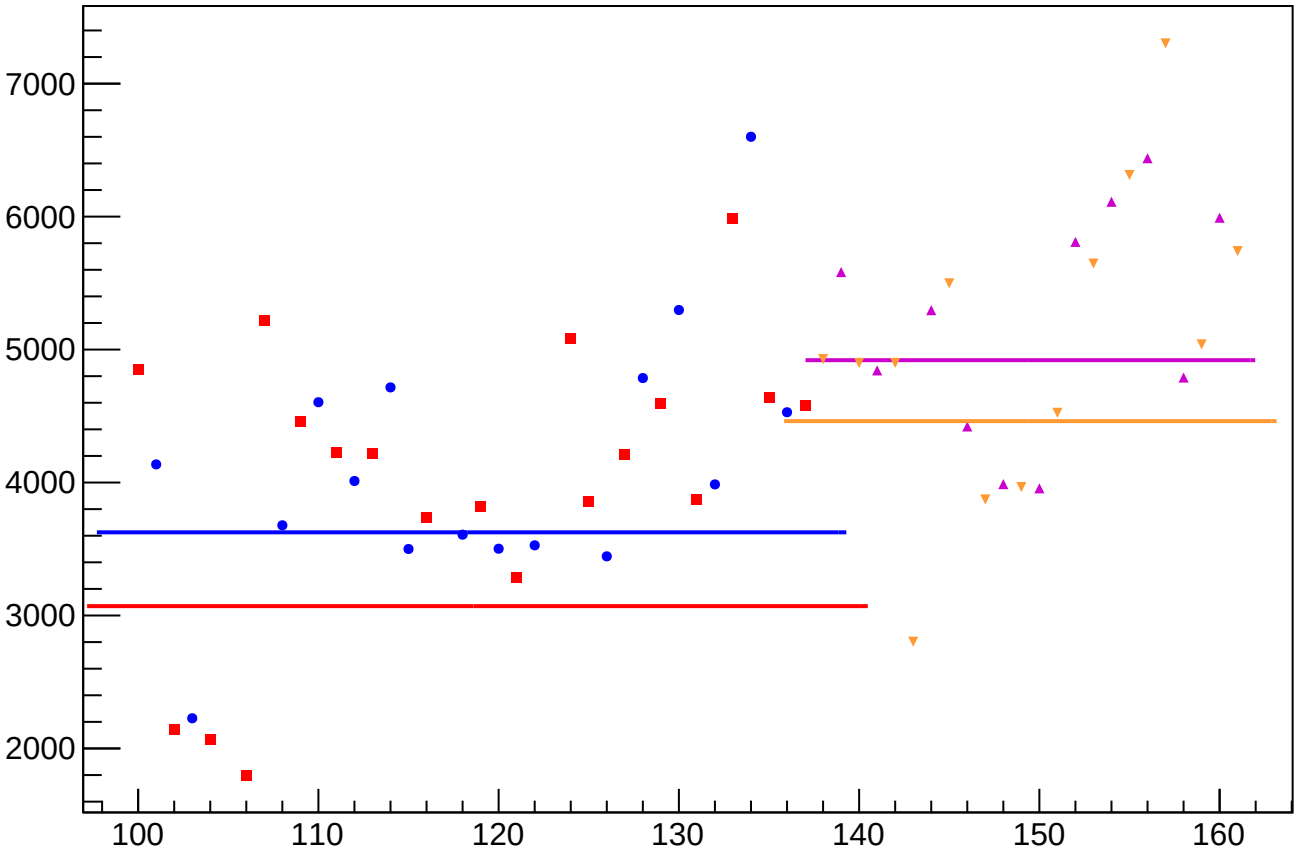
In: 2837.619+/-332.403 χ^2/NDF:31.3/26

Out: 1484.098+/-317.620 χ^2/NDF:39.8/31

All: 2130.094+/-229.640 χ^2/NDF: 79.7/58


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1350.369+/-0.362 χ²/NDF: 494051.2/15
Left Out: 1308.869+/-0.289 χ²/NDF:211239.8/12
Right Out: 1340.428+/-0.357 χ²/NDF: 272182.5/18
Left In: 1351.068+/-0.309 χ²/NDF:24336.6/10
Left: 1328.537+/-0.211 χ²/NDF: 245518.6/23
Right: 1345.330+/-0.254 χ²/NDF: 766616.6/34
In: 1350.773+/-0.235 χ²/NDF:518390.0/26
Out: 1321.369+/-0.225 χ²/NDF:488147.8/31
All: 1335.399+/-0.162 χ²/NDF: 1014720.3/58


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -854.000+/-1439.582 χ²/NDF:19.6/12
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1390.440+/-1618.401 χ²/NDF:5.3/10
Left: 137.421+/-1075.626 χ²/NDF: 26.0/23
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 23.031+/-1060.734 χ²/NDF:21.2/26
Out: -136.285+/-922.885 χ²/NDF:36.3/31
All: -67.645+/-696.249 χ²/NDF: 57.5/58



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4461.889+/-1.018 χ^2/NDF:1287248.6/12

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4920.306+/-1.144 χ^2/NDF:505472.8/10

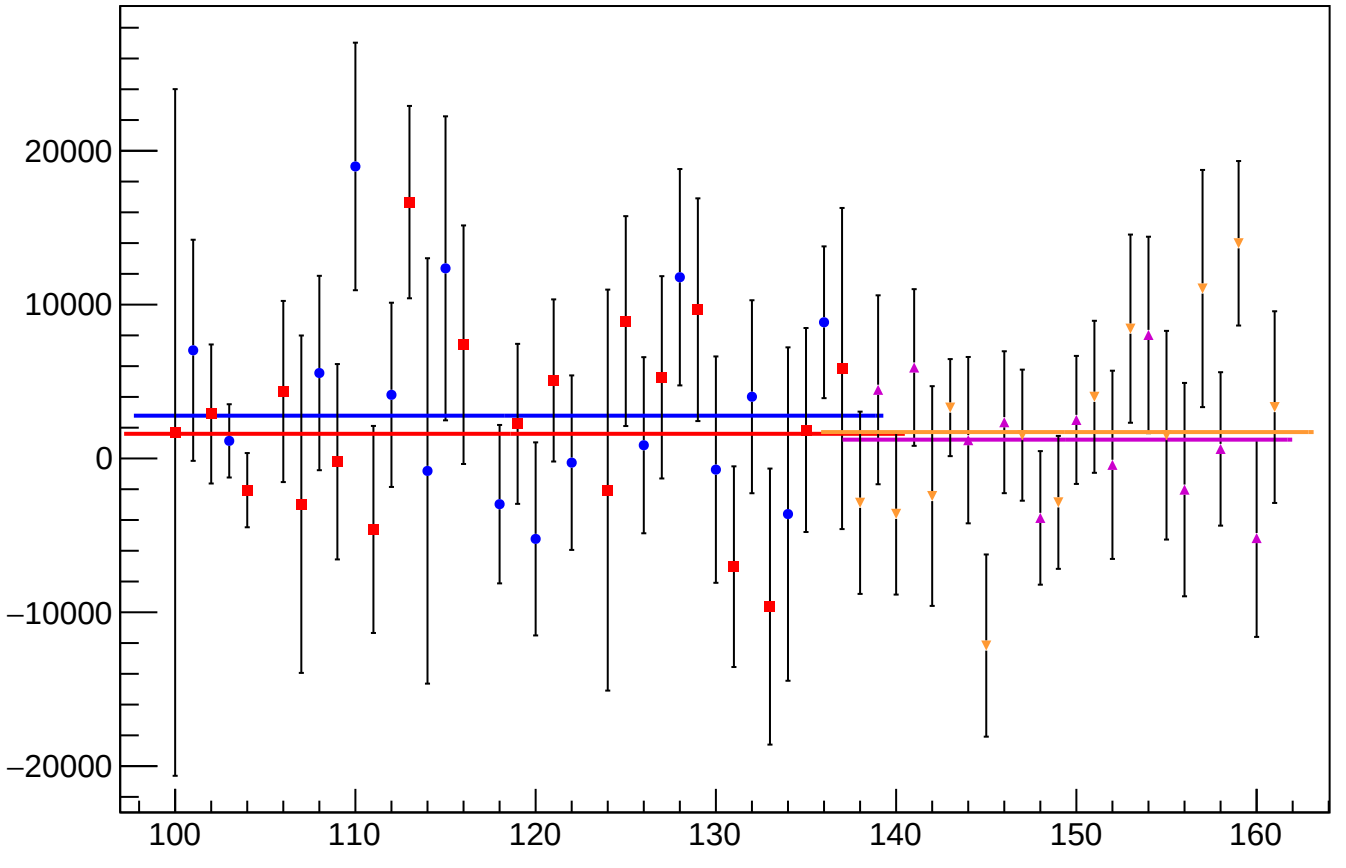
Left: 4664.382+/-0.761 χ^2/NDF: 1882305.3/23

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4181.720+/-0.750 χ^2/NDF:2180615.5/26

Out: 3642.296+/-0.653 χ^2/NDF:4226497.4/31

All: 3874.702+/-0.492 χ^2/NDF: 6701495.1/58



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1714.971+/-1430.031 χ^2/NDF:17.1/12

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1221.959+/-1594.106 χ^2/NDF:5.1/10

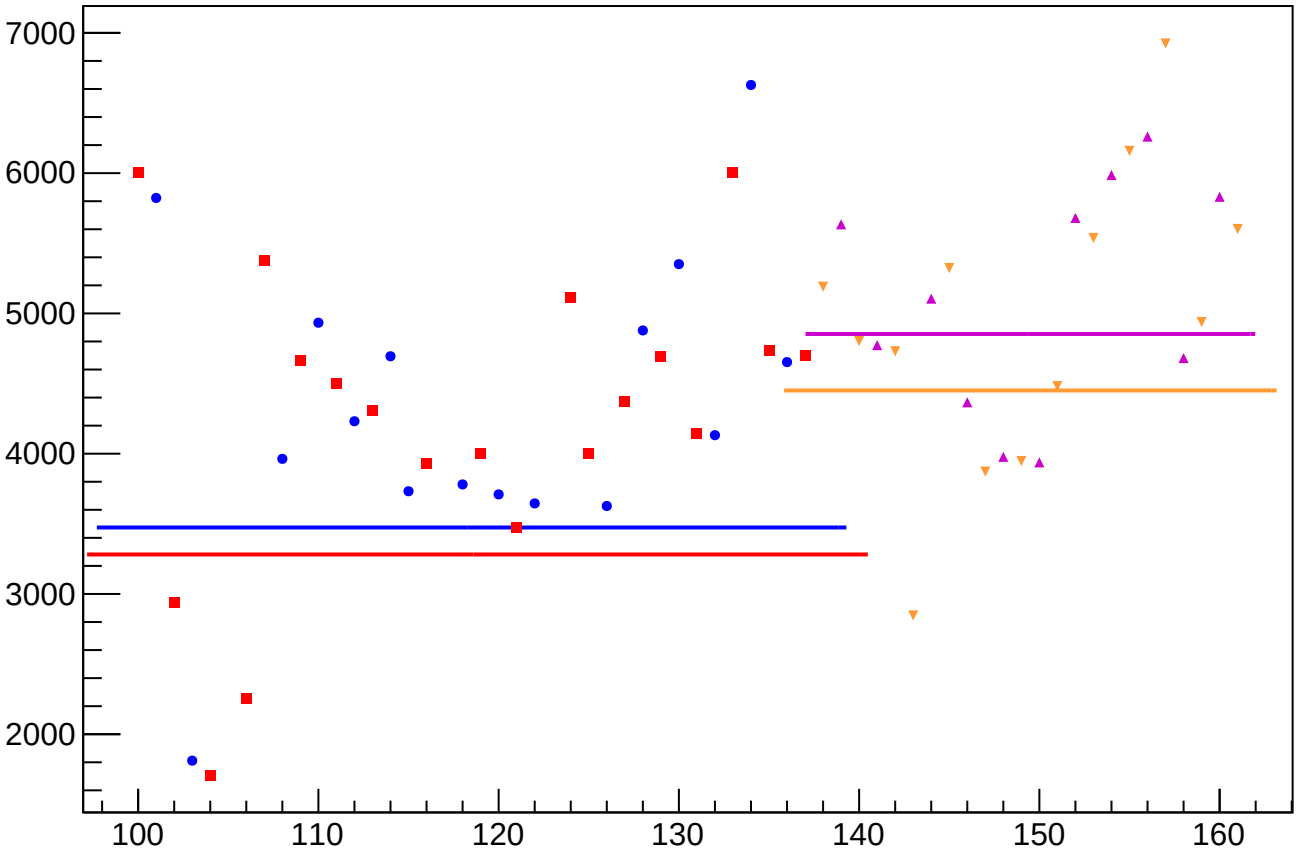
Left: 1495.135+/-1064.481 χ^2/NDF: 22.2/23

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2107.857+/-1047.417 χ^2/NDF:18.8/26

Out: 1655.026+/-976.643 χ^2/NDF:33.9/31

All: 1865.627+/-714.302 χ^2/NDF: 52.8/58



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4450.921+/-1.011 χ^2/NDF:1148508.4/12

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4853.523+/-1.127 χ^2/NDF:468277.9/10

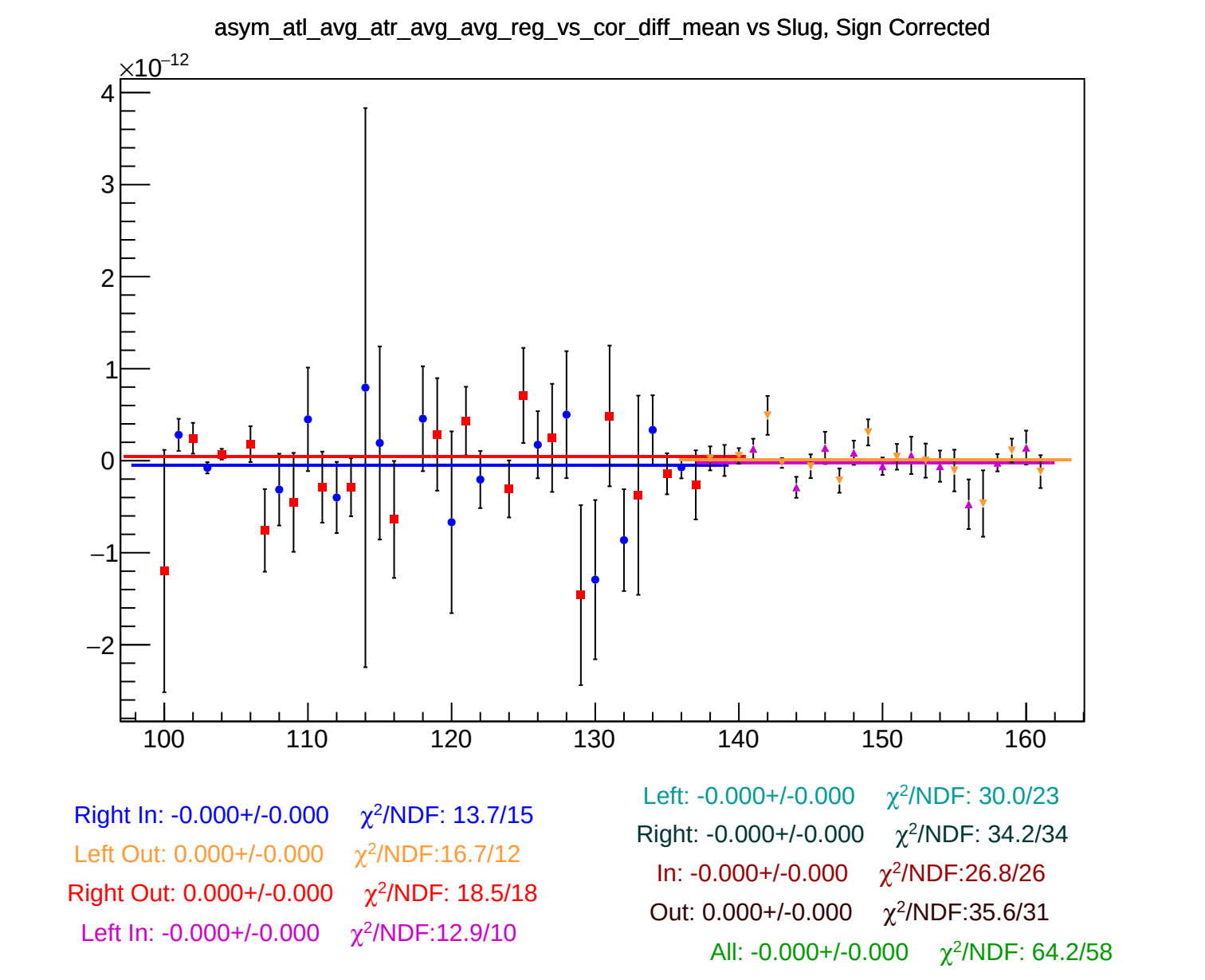
Left: 4630.443+/-0.753 χ^2/NDF: 1687471.9/23

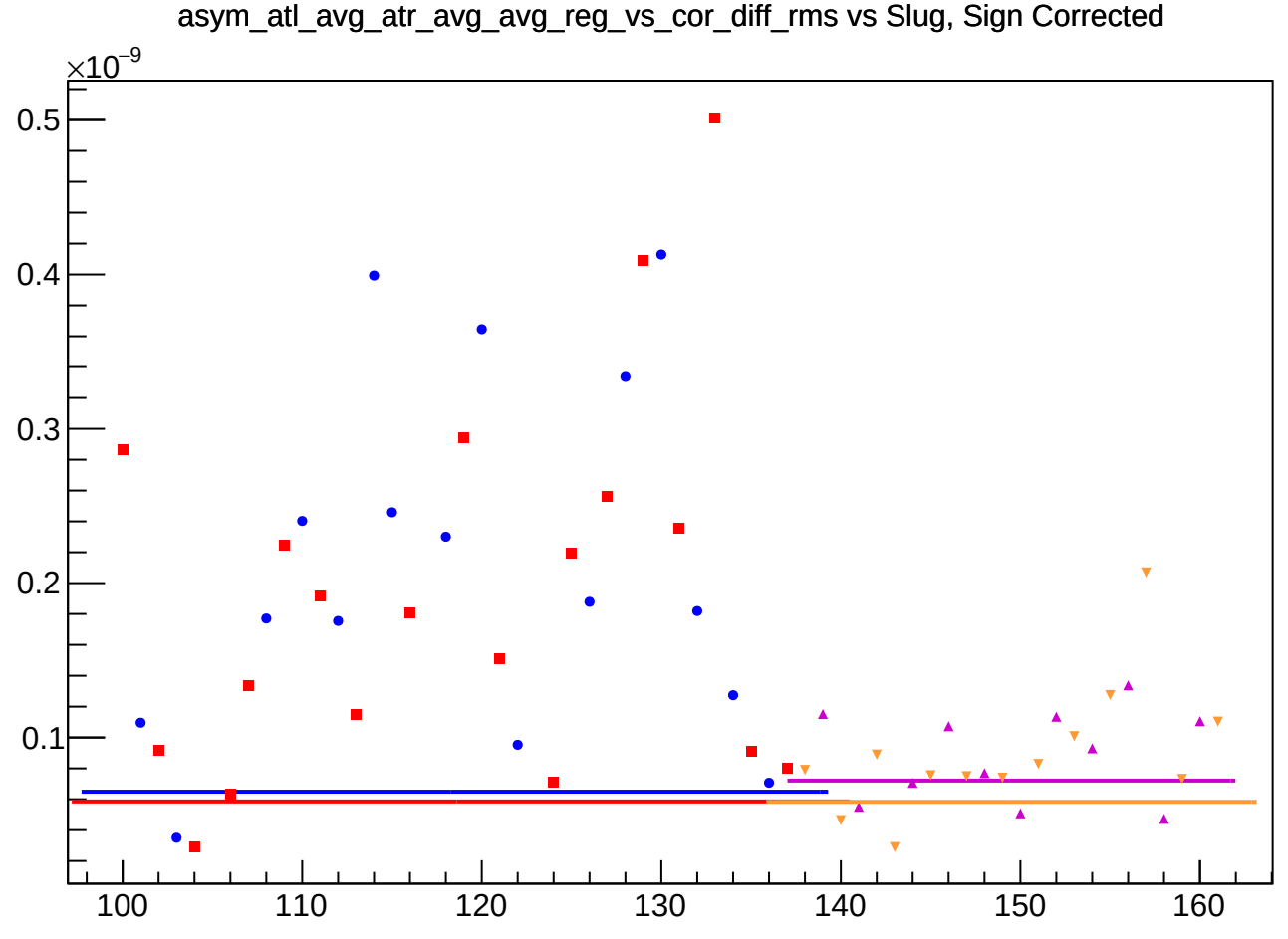
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4069.508+/-0.741 χ^2/NDF:3163538.4/26

Out: 3818.932+/-0.686 χ^2/NDF:3746818.8/31

All: 3934.548+/-0.503 χ^2/NDF: 6972007.9/58


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:16.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/10
Left: -0.000+/-0.000 χ²/NDF: 30.0/23
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:26.8/26
Out: 0.000+/-0.000 χ²/NDF:35.6/31
All: -0.000+/-0.000 χ²/NDF: 64.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728293.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:805034.1/10

Left: 0.000+/-0.000 χ^2/NDF: 2673752.7/23

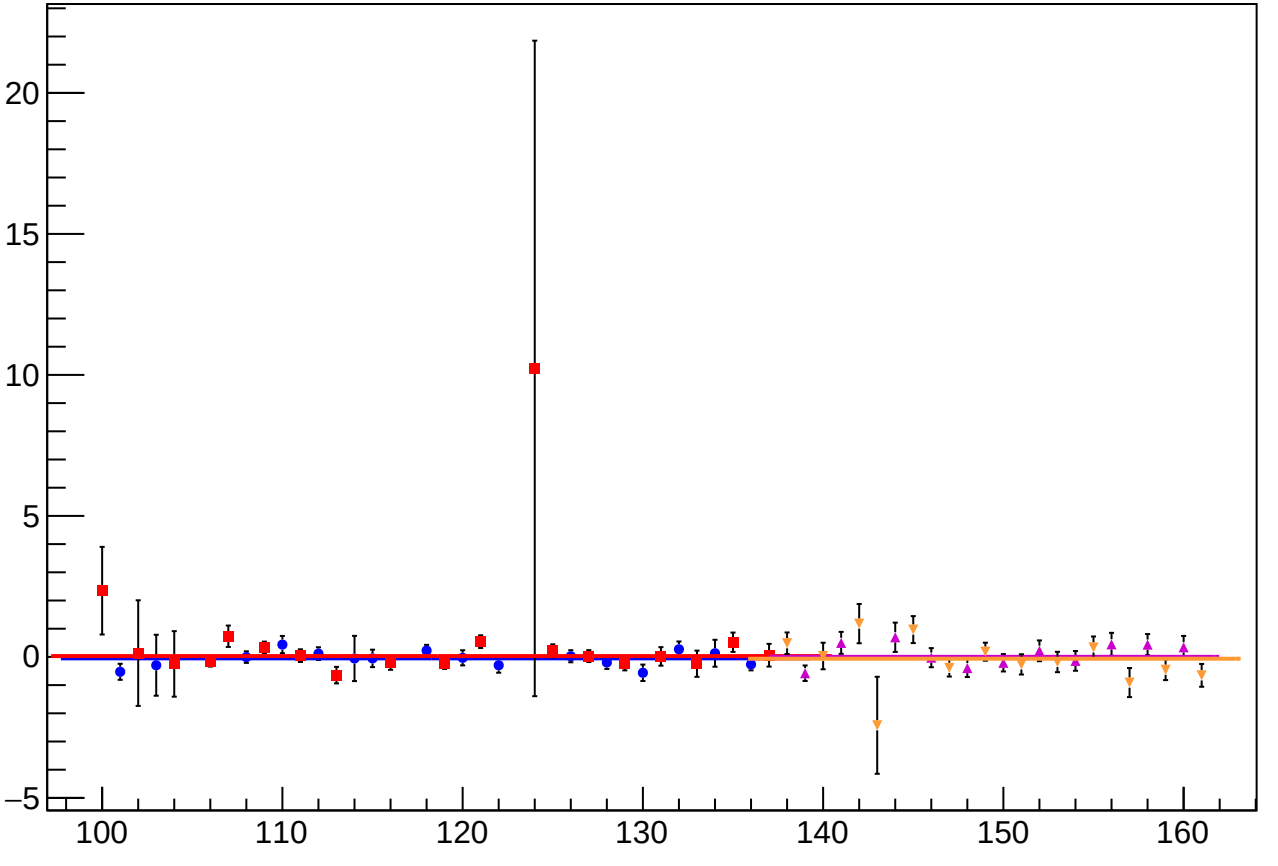
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3423908.1/26

Out: 0.000+/-0.000 χ^2/NDF:4583434.0/31

All: 0.000+/-0.000 χ^2/NDF: 8143855.5/58

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: -0.064+/-0.113 χ^2/NDF:21.0/12

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.029+/-0.078 χ^2/NDF: 34.8/23

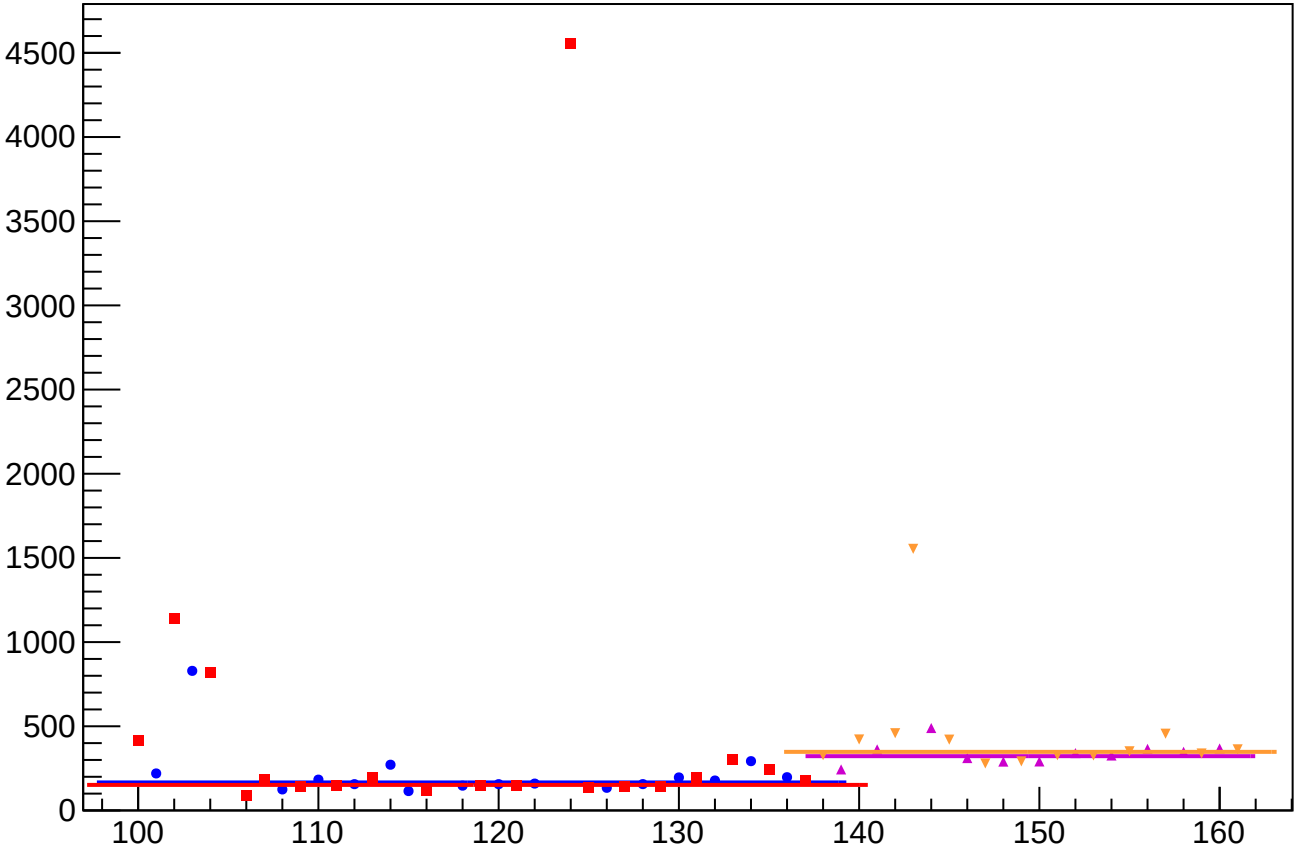
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.006+/-0.056 χ^2/NDF:49.1/31

All: -0.014+/-0.040 χ^2/NDF: 78.0/58

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: 348.052+/-0.080 χ^2/NDF:1401261.0/12

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

Left: 334.501+/-0.055 χ^2/NDF: 1954202.7/23

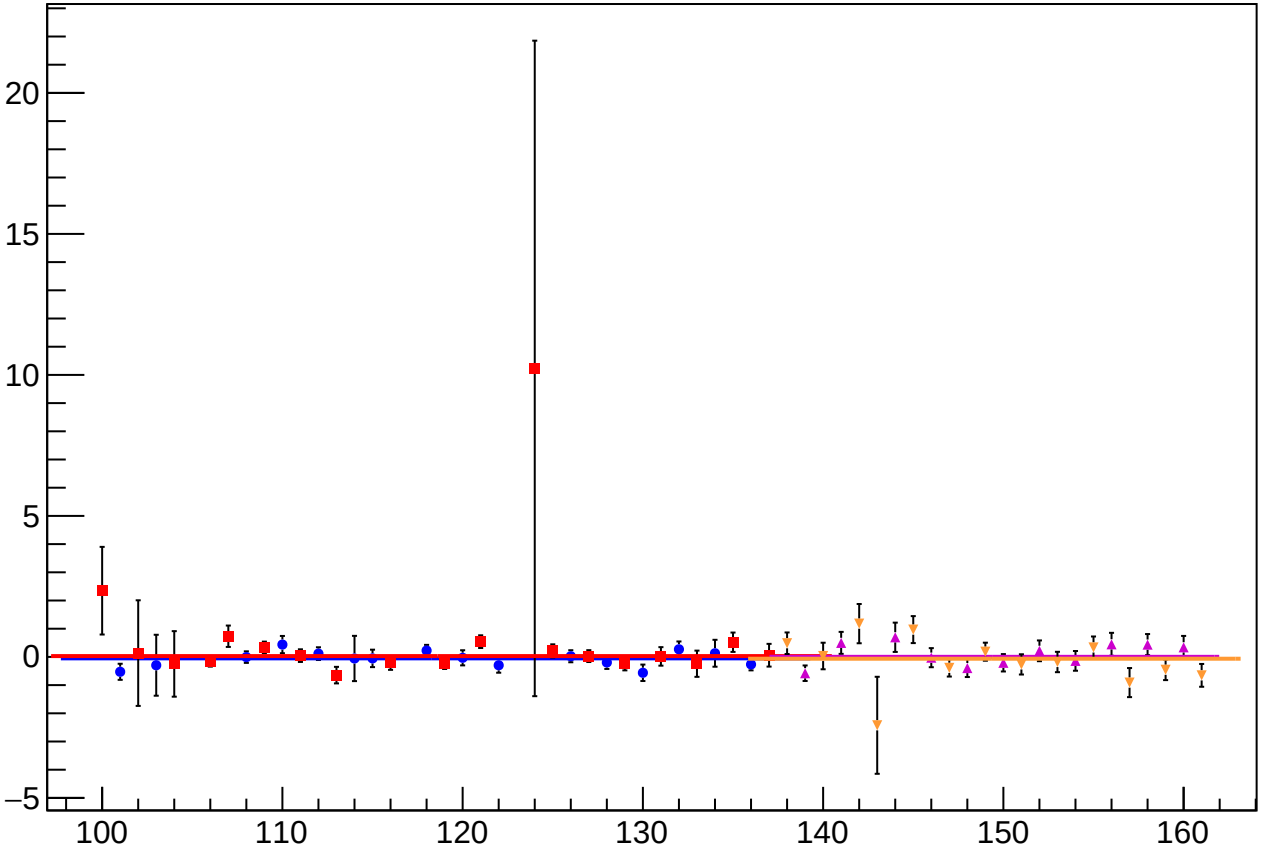
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 210.105+/-0.040 χ^2/NDF:4848653.5/26

Out: 199.244+/-0.039 χ^2/NDF:8261179.2/31

All: 204.592+/-0.028 χ^2/NDF: 13147205.8/58

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: -0.064+/-0.113 χ^2/NDF:21.0/12

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.029+/-0.078 χ^2/NDF: 34.8/23

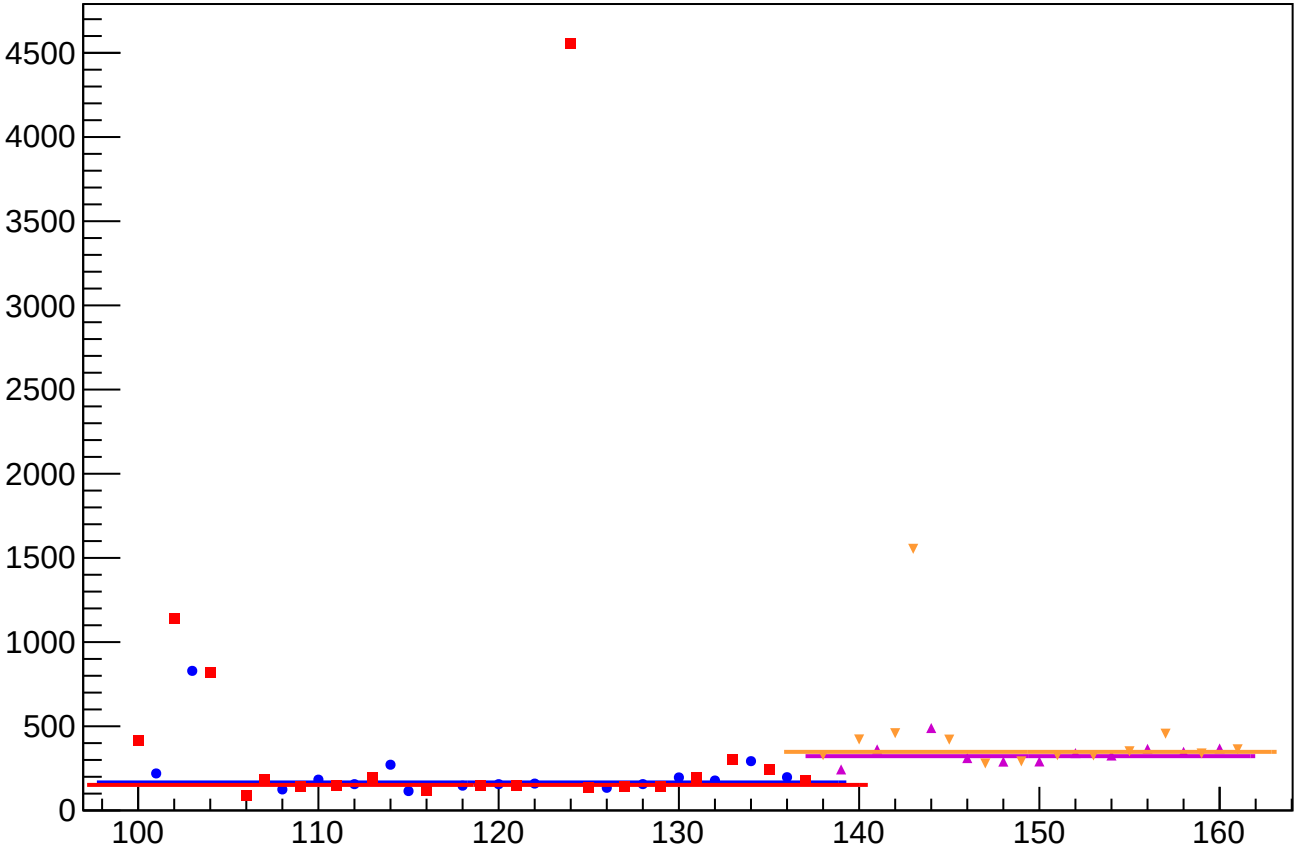
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.006+/-0.056 χ^2/NDF:49.1/31

All: -0.014+/-0.040 χ^2/NDF: 78.0/58

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: 348.052+/-0.080 χ^2/NDF:1401261.0/12

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

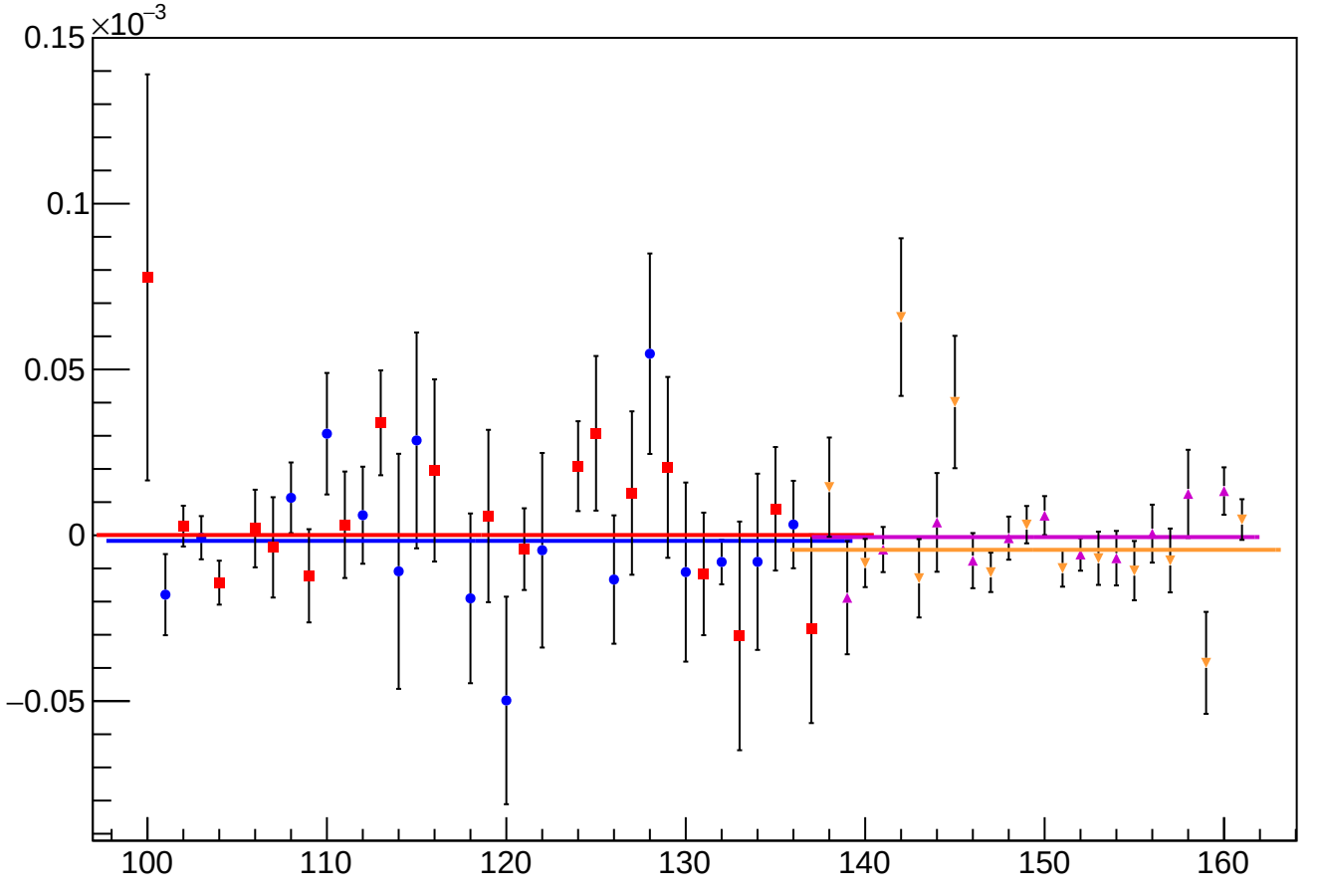
Left: 334.501+/-0.055 χ^2/NDF: 1954202.7/23

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 210.105+/-0.040 χ^2/NDF:4848653.5/26

Out: 199.244+/-0.039 χ^2/NDF:8261179.2/31

All: 204.592+/-0.028 χ^2/NDF: 13147205.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.0/10

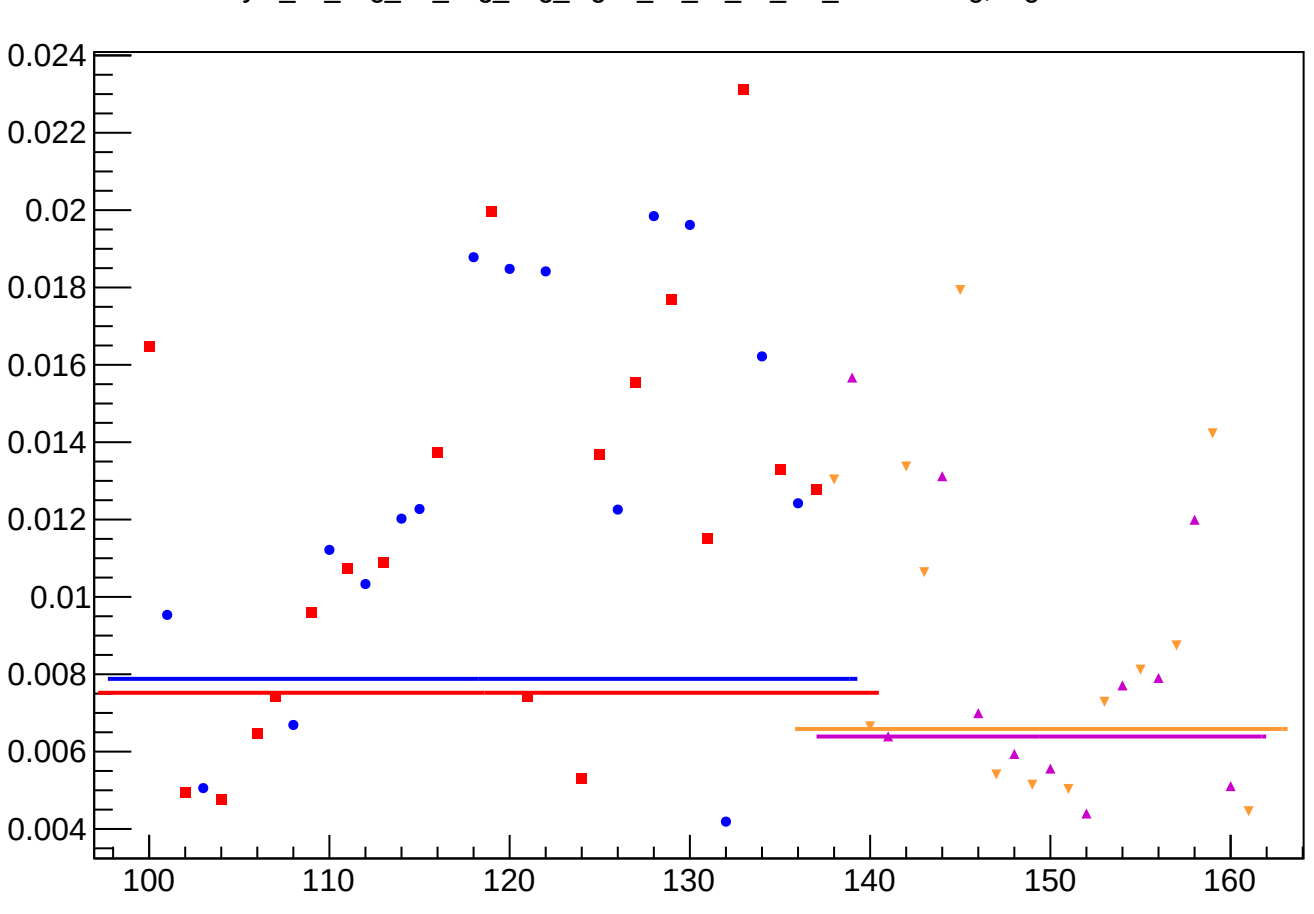
Left: -0.000+/-0.000 χ^2/NDF: 39.5/23

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: -0.000+/-0.000 χ^2/NDF:49.3/31

All: -0.000+/-0.000 χ^2/NDF: 75.4/58



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:2691139.1/12

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1921860.1/10

Left: 0.006+/-0.000 χ^2/NDF: 4620419.0/23

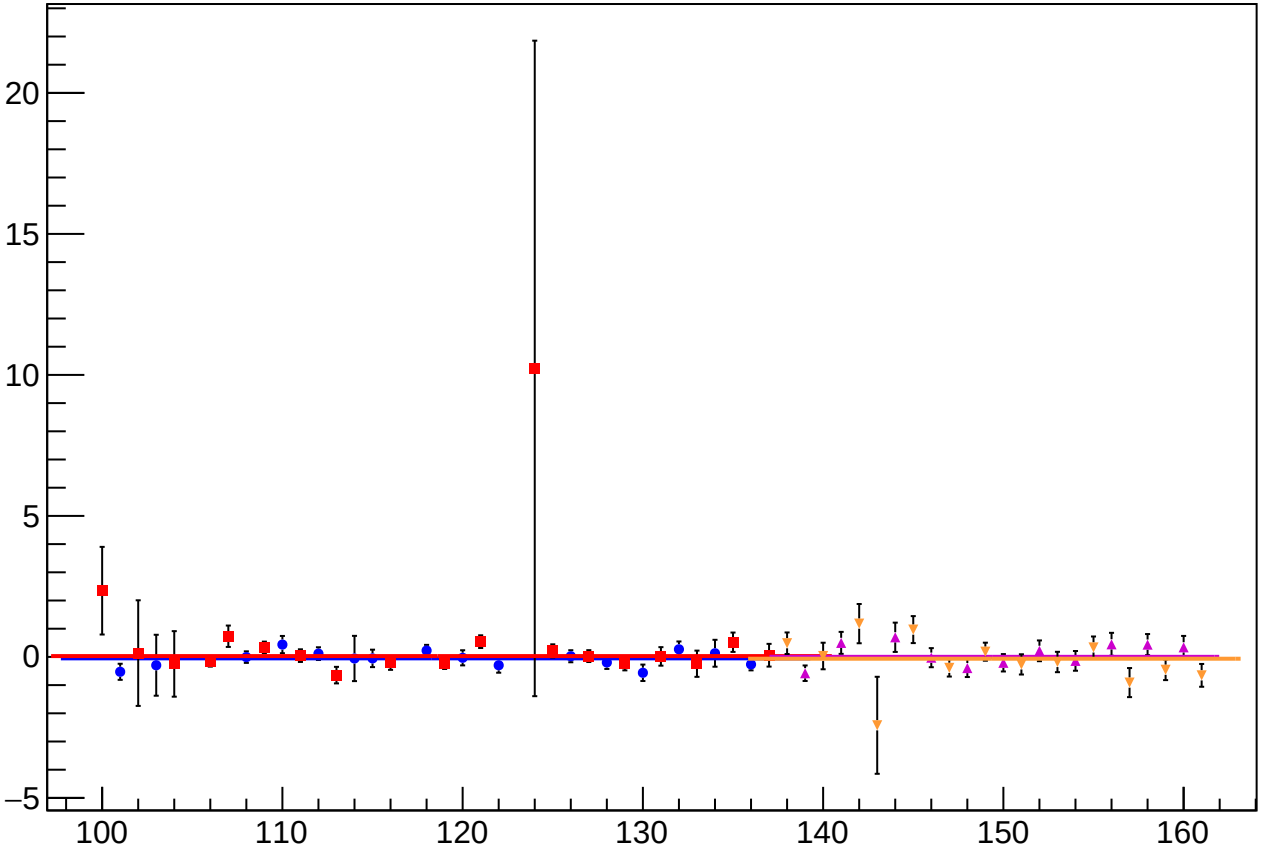
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5488433.6/26

Out: 0.007+/-0.000 χ^2/NDF:5783742.6/31

All: 0.007+/-0.000 χ^2/NDF: 11272905.0/58

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: -0.064+/-0.113 χ^2/NDF:21.0/12

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.029+/-0.078 χ^2/NDF: 34.8/23

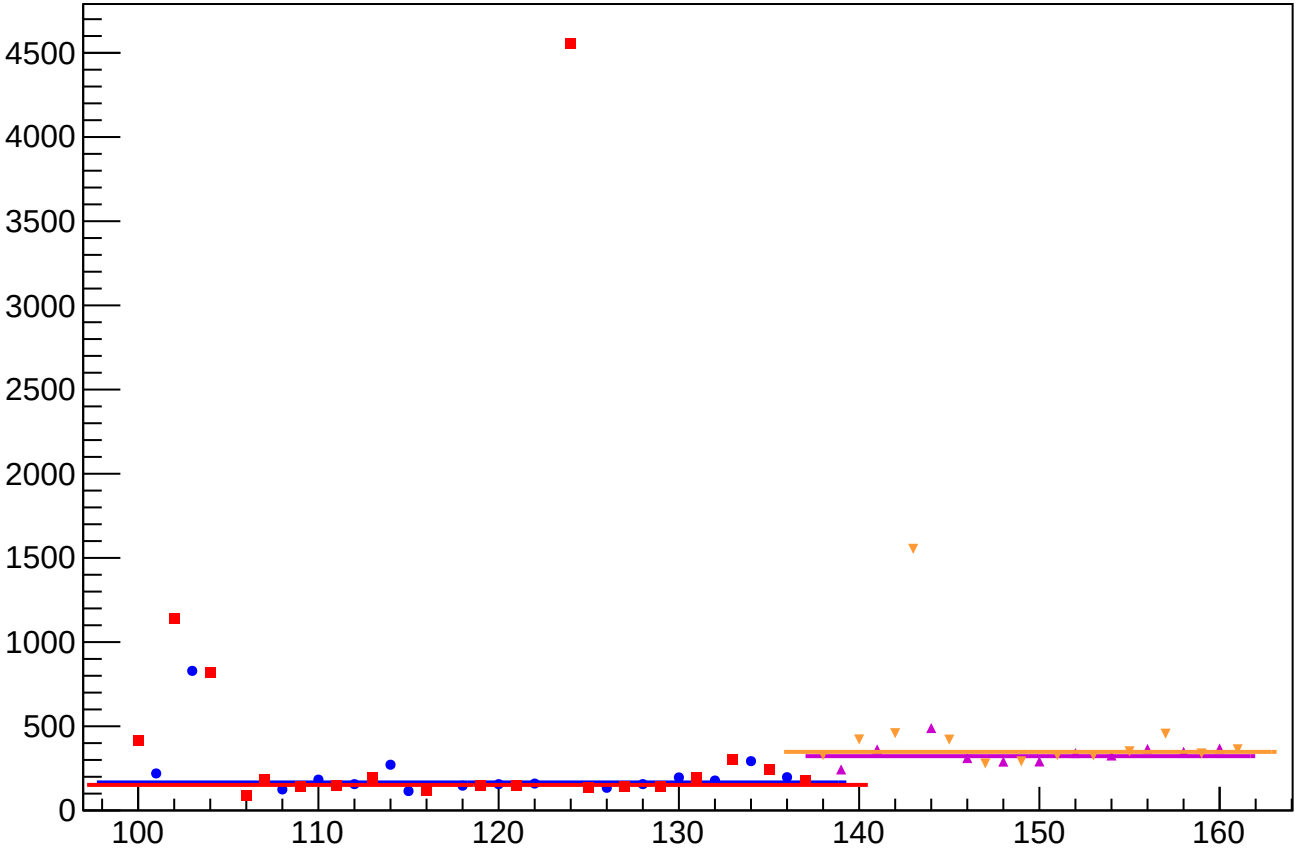
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.006+/-0.056 χ^2/NDF:49.1/31

All: -0.014+/-0.040 χ^2/NDF: 78.0/58

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: 348.056+/-0.080 χ^2/NDF:1401261.2/12

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

Left: 334.505+/-0.055 χ^2/NDF: 1954186.7/23

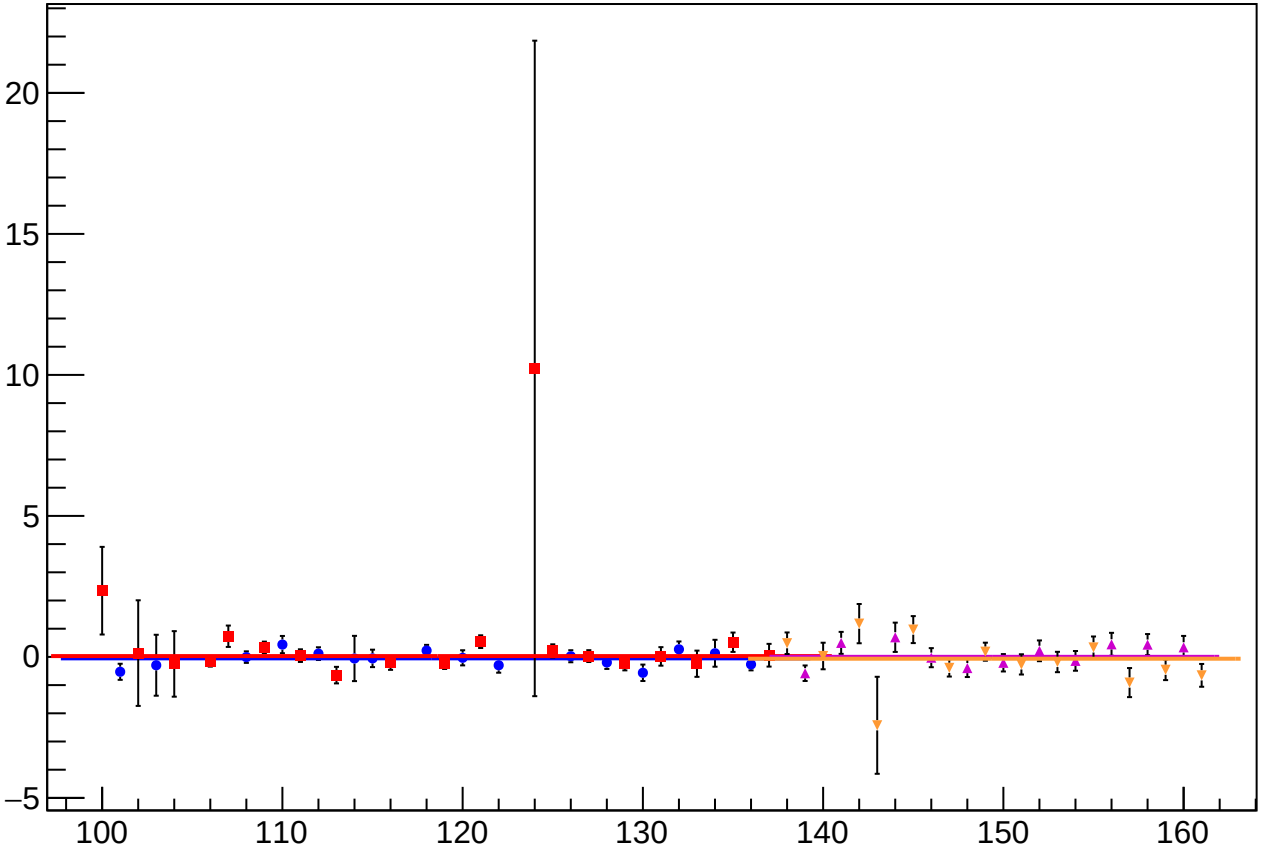
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 210.105+/-0.040 χ^2/NDF:4848792.9/26

Out: 199.243+/-0.039 χ^2/NDF:8261375.3/31

All: 204.591+/-0.028 χ^2/NDF: 13147548.4/58

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: -0.064+/-0.113 χ^2/NDF:21.0/12

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.003+/-0.107 χ^2/NDF:13.6/10

Left: -0.029+/-0.078 χ^2/NDF: 34.8/23

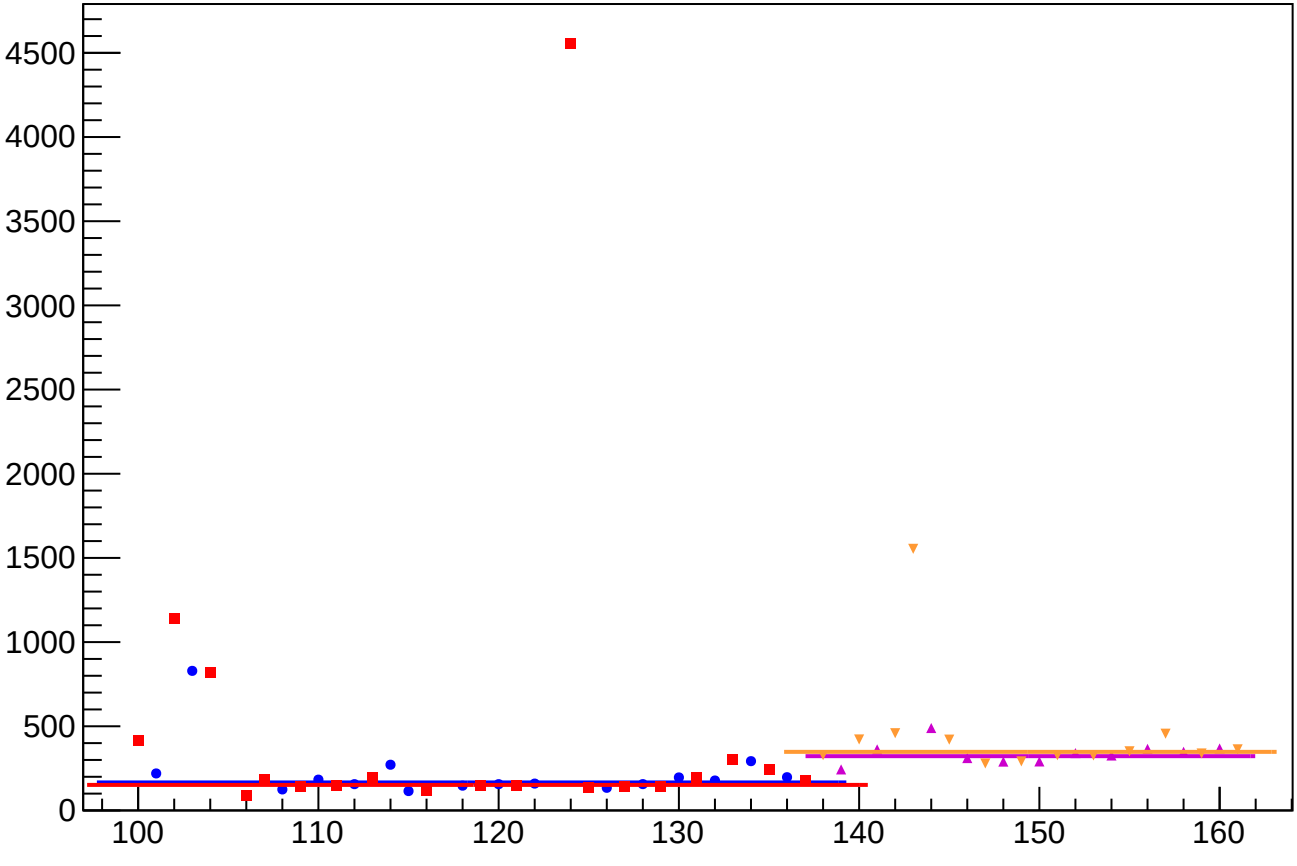
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.036+/-0.057 χ^2/NDF:28.7/26

Out: 0.006+/-0.056 χ^2/NDF:49.1/31

All: -0.014+/-0.040 χ^2/NDF: 78.0/58

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: 348.056+/-0.080 χ^2/NDF:1401261.2/12

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

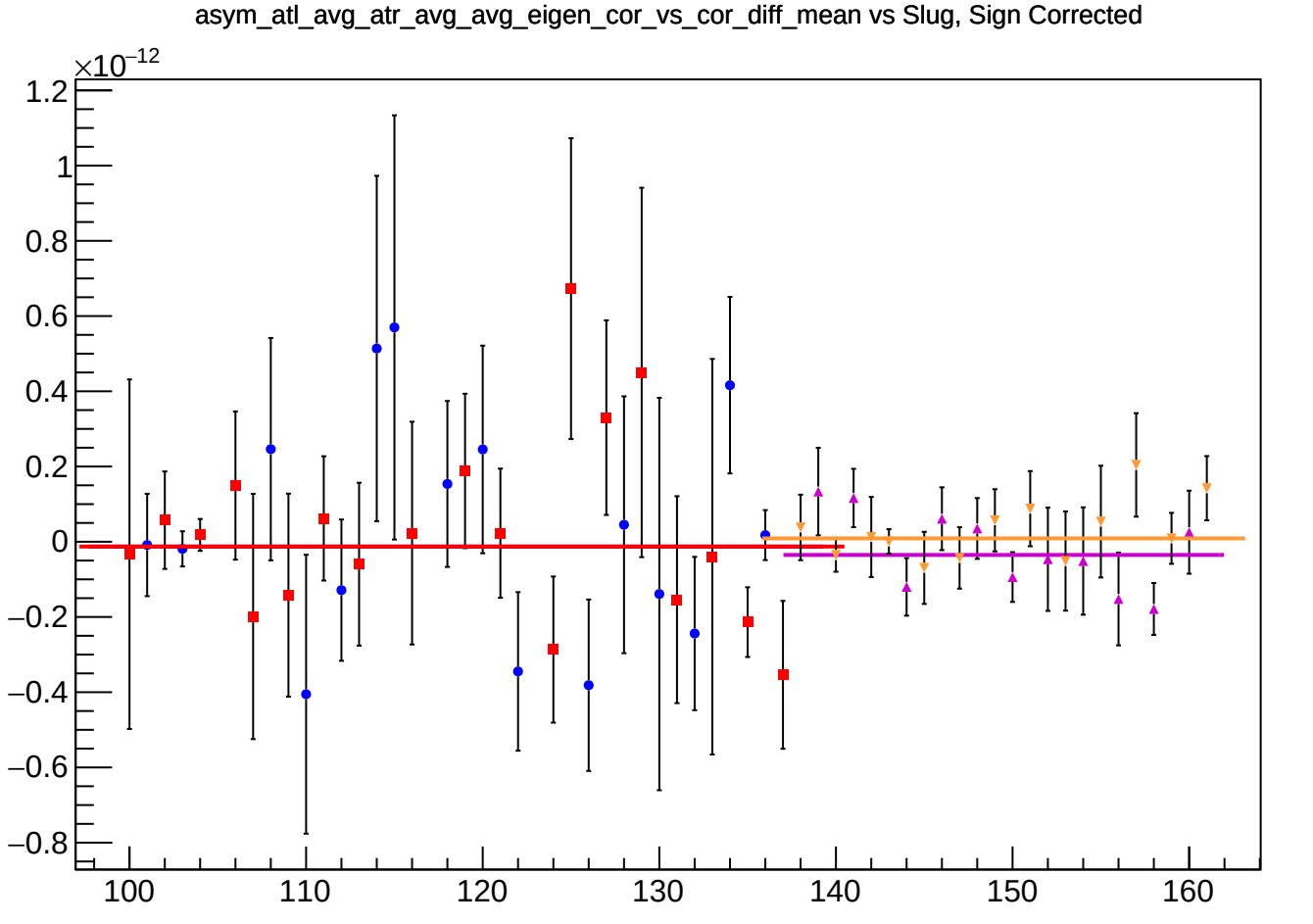
Left: 334.505+/-0.055 χ^2/NDF: 1954186.7/23

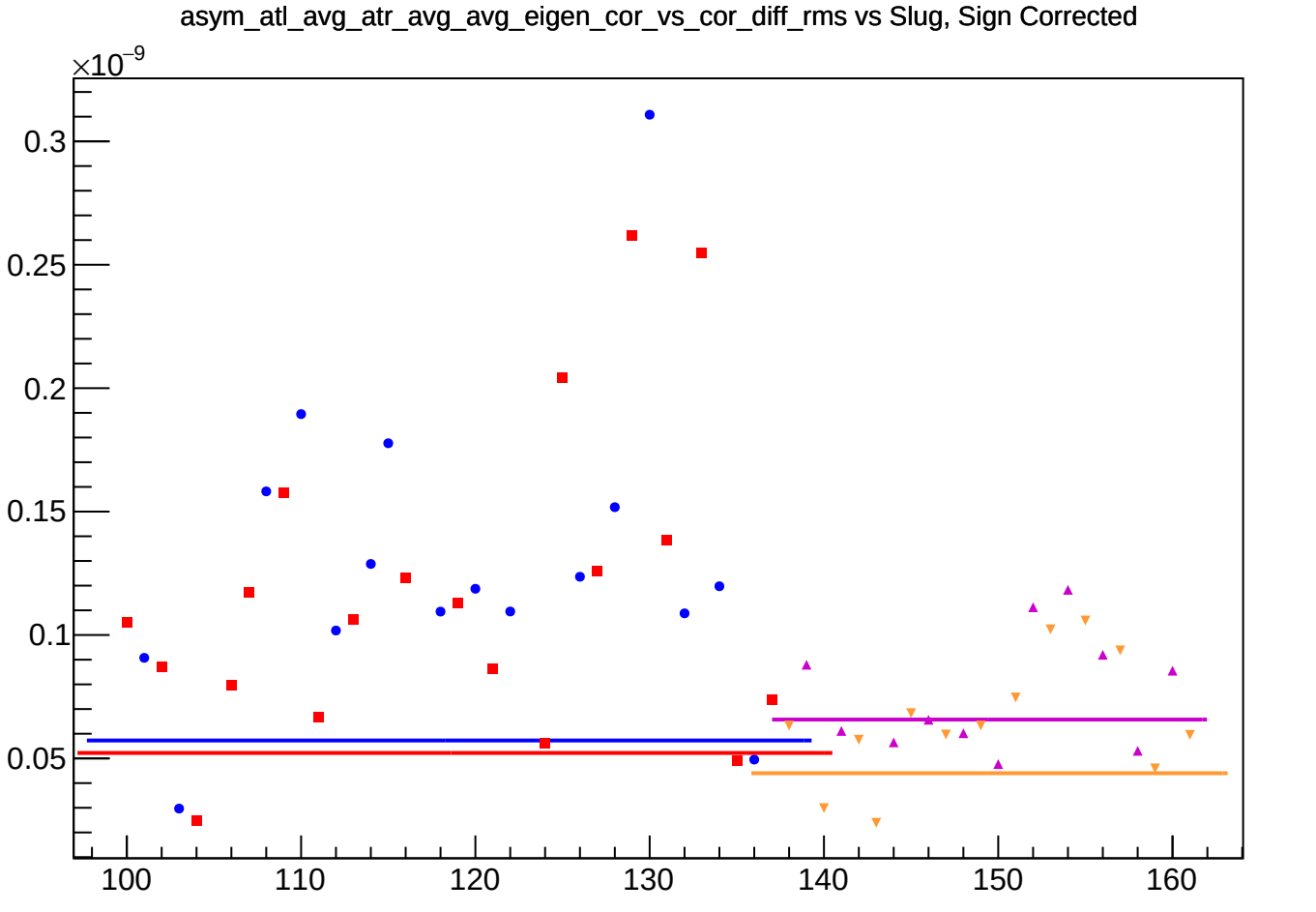
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 210.105+/-0.040 χ^2/NDF:4848792.9/26

Out: 199.243+/-0.039 χ^2/NDF:8261375.3/31

All: 204.591+/-0.028 χ^2/NDF: 13147548.4/58


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.6/10
Left: -0.000+/-0.000 χ²/NDF: 25.3/23
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:32.0/26
Out: 0.000+/-0.000 χ²/NDF:27.2/31
All: -0.000+/-0.000 χ²/NDF: 60.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2656933.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:980172.2/10

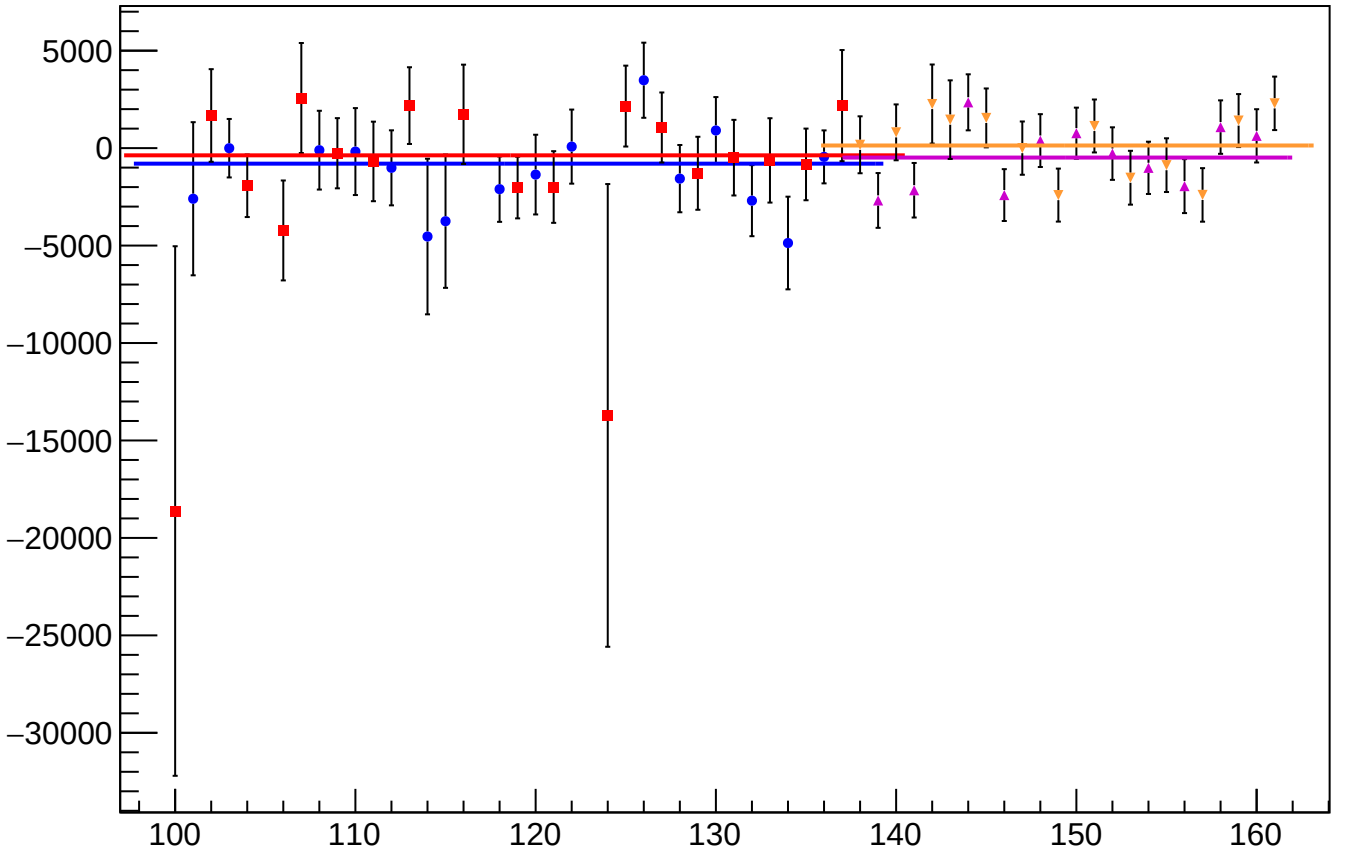
Left: 0.000+/-0.000 χ^2/NDF: 4504112.4/23

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4043169.3/26

Out: 0.000+/-0.000 χ^2/NDF:6043343.5/31

All: 0.000+/-0.000 χ^2/NDF: 10826048.8/58



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 134.971+/-403.098 χ^2/NDF:15.4/12

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -484.590+/-412.146 χ^2/NDF:14.4/10

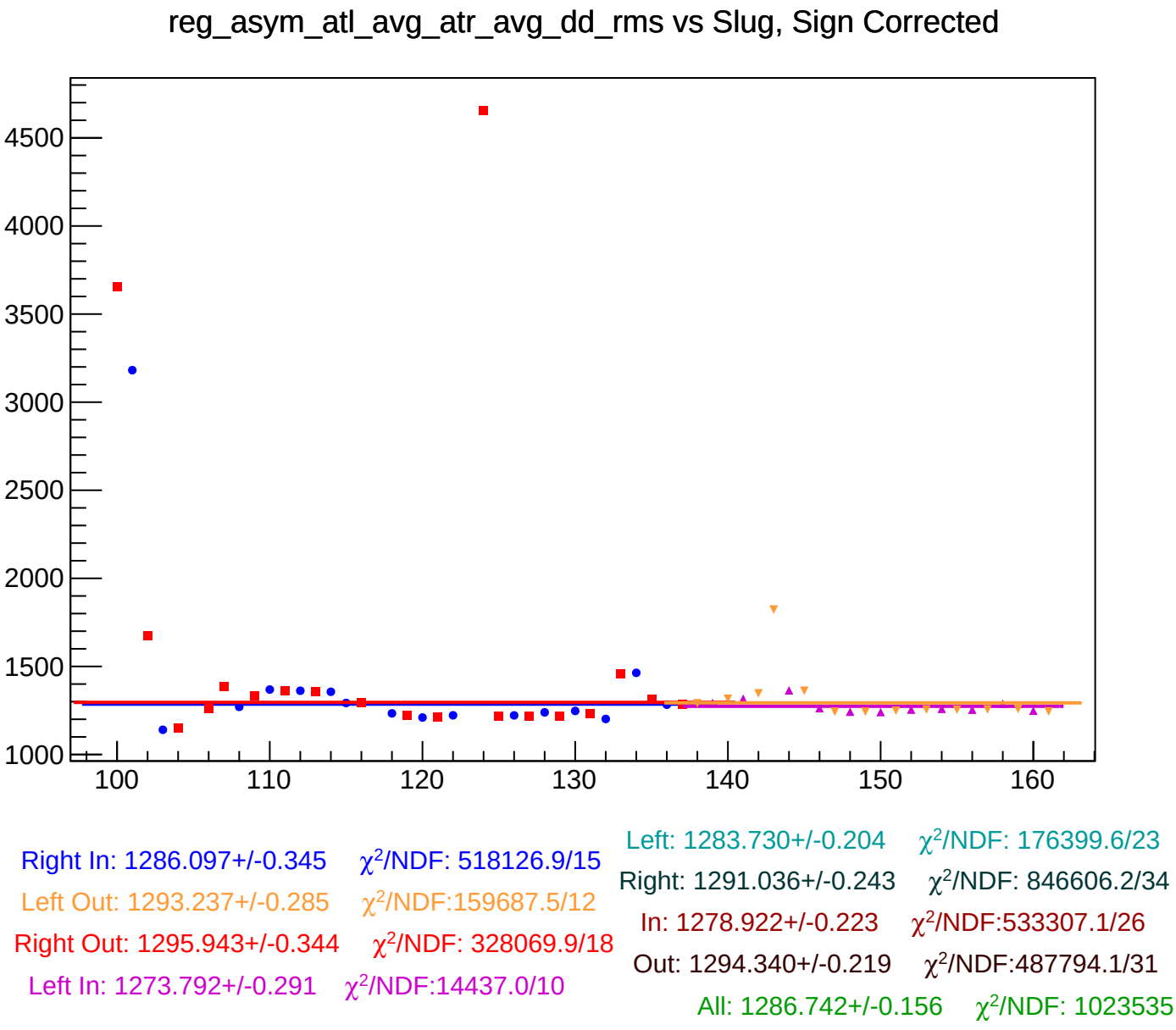
Left: -167.934+/-288.179 χ^2/NDF: 31.0/23

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

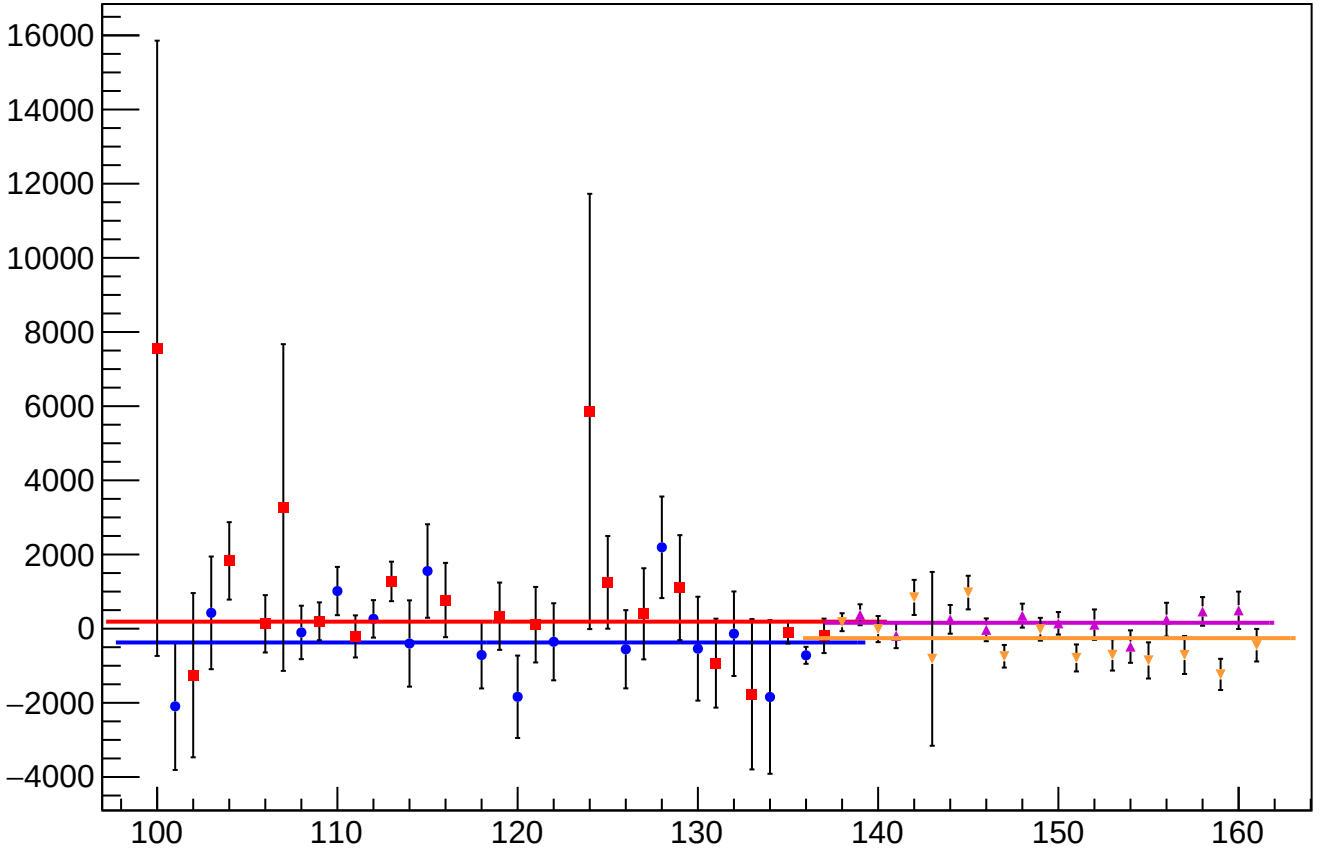
In: -614.943+/-314.727 χ^2/NDF:28.1/26

Out: -70.927+/-310.220 χ^2/NDF:31.7/31

All: -339.012+/-220.935 χ^2/NDF: 61.3/58


reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1286.097+/-0.345 χ²/NDF: 518126.9/15
Left Out: 1293.237+/-0.285 χ²/NDF:159687.5/12
Right Out: 1295.943+/-0.344 χ²/NDF: 328069.9/18
Left In: 1273.792+/-0.291 χ²/NDF:14437.0/10
Left: 1283.730+/-0.204 χ²/NDF: 176399.6/23
Right: 1291.036+/-0.243 χ²/NDF: 846606.2/34
In: 1278.922+/-0.223 χ²/NDF:533307.1/26
Out: 1294.340+/-0.219 χ²/NDF:487794.1/31
All: 1286.742+/-0.156 χ²/NDF: 1023535.7/58

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: -254.920+/-106.603 χ^2/NDF:30.8/12

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 159.231+/-108.014 χ^2/NDF:5.7/10

Left: -50.566+/-75.874 χ^2/NDF: 44.0/23

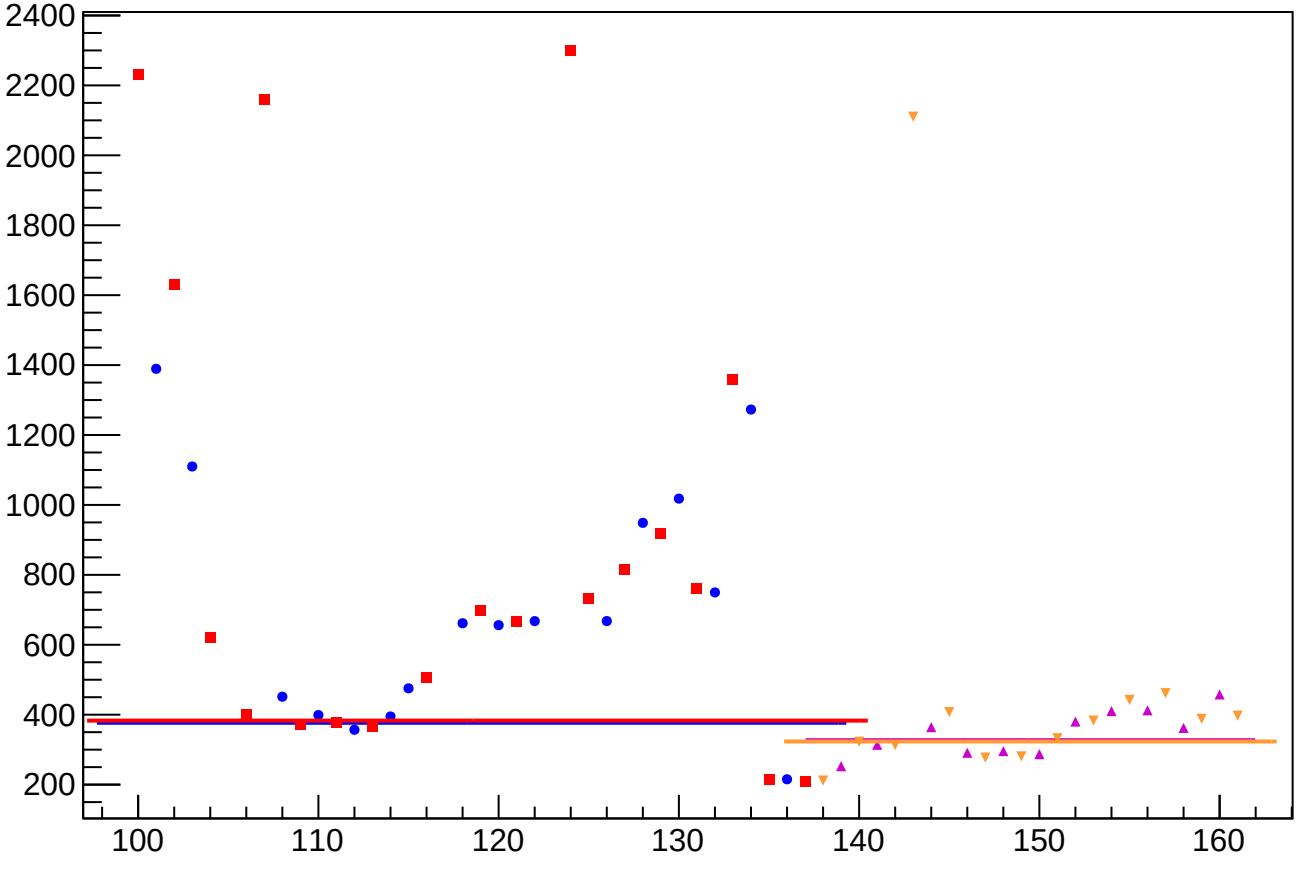
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 4.032+/-90.888 χ^2/NDF:31.0/26

Out: -129.193+/-90.251 χ^2/NDF:50.4/31

All: -63.048+/-64.041 χ^2/NDF: 82.4/58

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: 323.380+/-0.075 χ^2/NDF:2156412.8/12

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

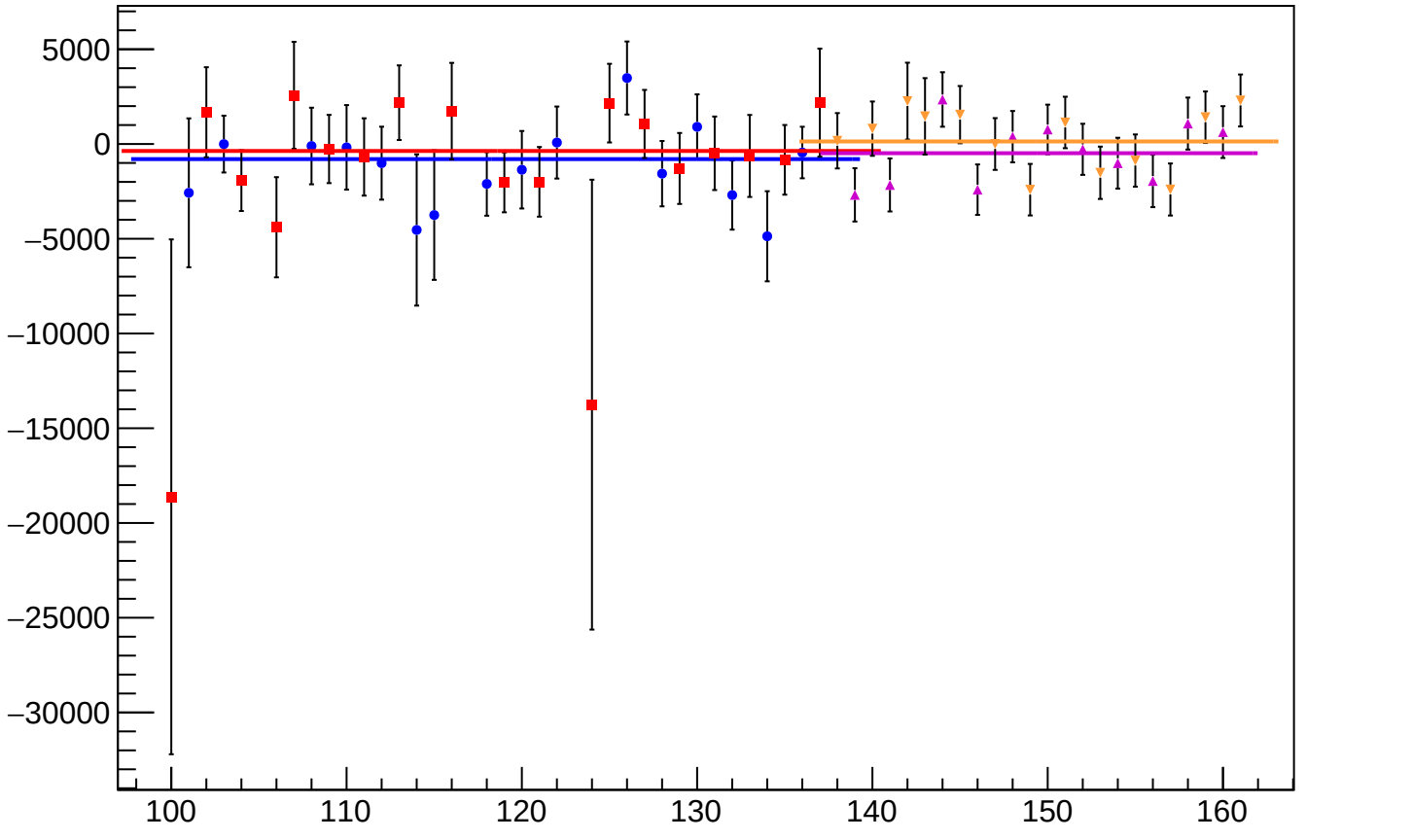
Left: 325.207+/-0.054 χ^2/NDF: 2726415.9/23

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 341.626+/-0.064 χ^2/NDF:4883182.4/26

Out: 340.289+/-0.064 χ^2/NDF:6388168.4/31

All: 340.953+/-0.045 χ^2/NDF: 11271568.8/58



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -484.545+/-412.146 χ^2/NDF:14.5/10

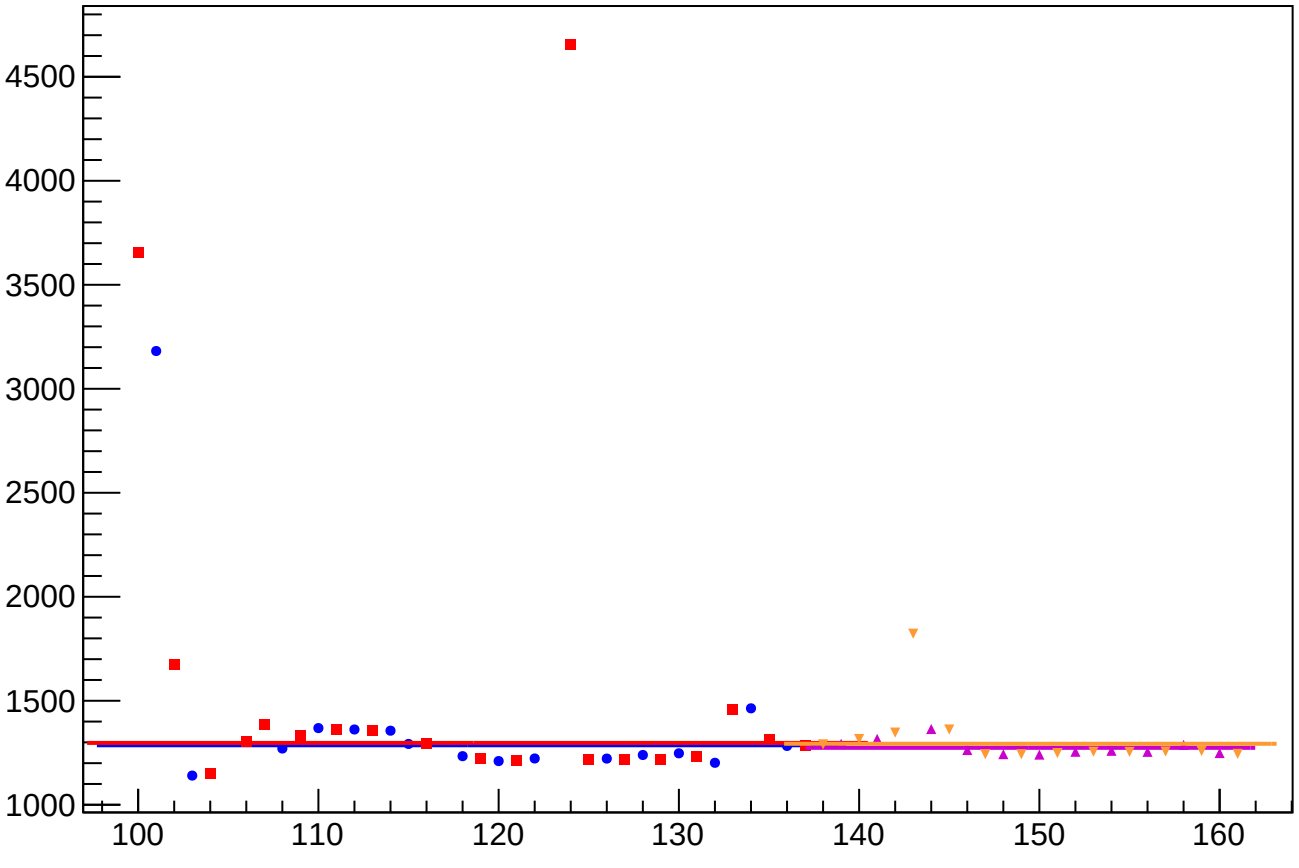
Left: -167.881+/-288.179 χ^2/NDF: 31.0/23

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -614.749+/-314.727 χ^2/NDF:28.1/26

Out: -69.597+/-310.356 χ^2/NDF:31.7/31

All: -338.361+/-220.984 χ^2/NDF: 61.4/58



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1283.730+/-0.204 χ^2/NDF: 176399.6/23

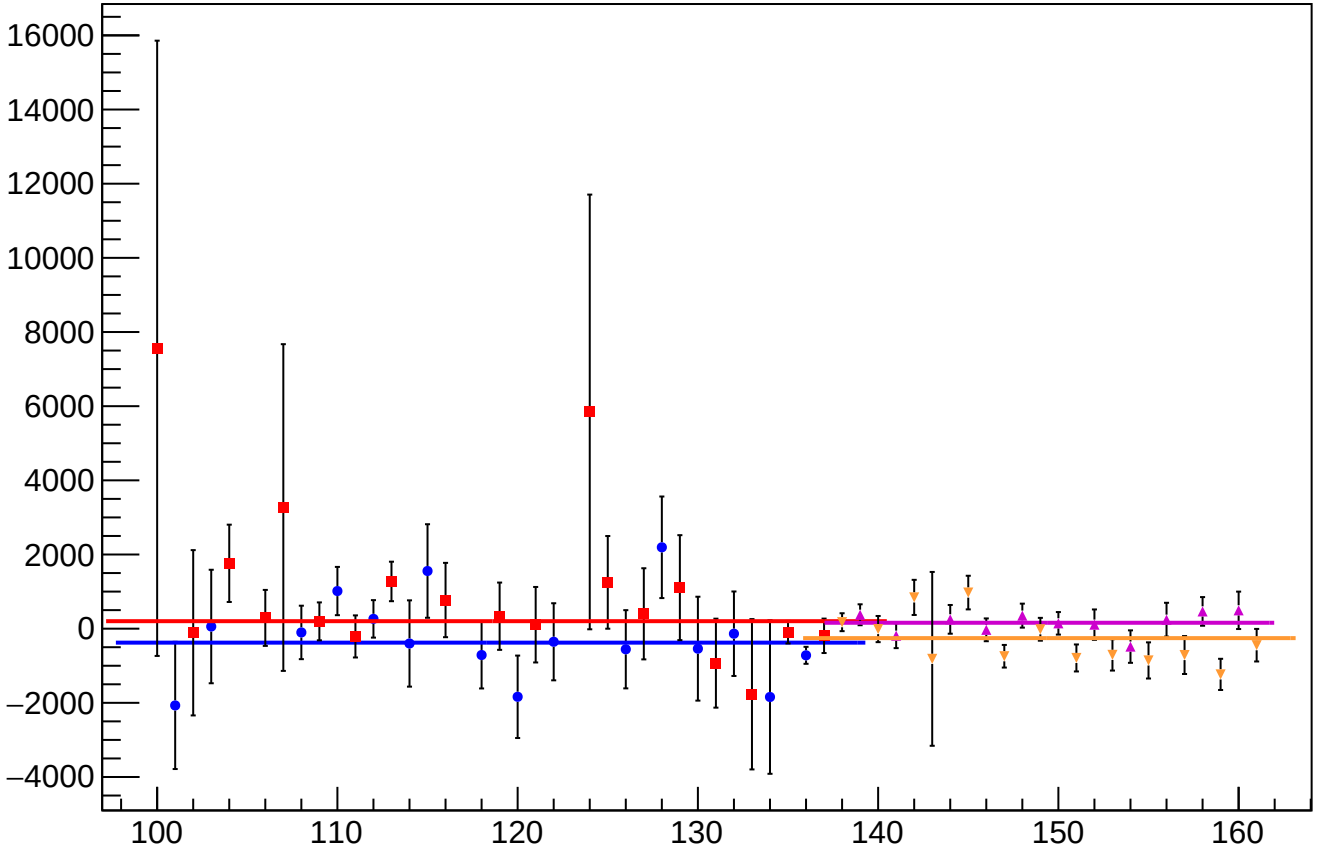
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1294.930+/-0.219 χ^2/NDF:487515.8/31

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

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: -254.928+/-106.606 χ^2/NDF:30.8/12

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -50.552+/-75.875 χ^2/NDF: 44.0/23

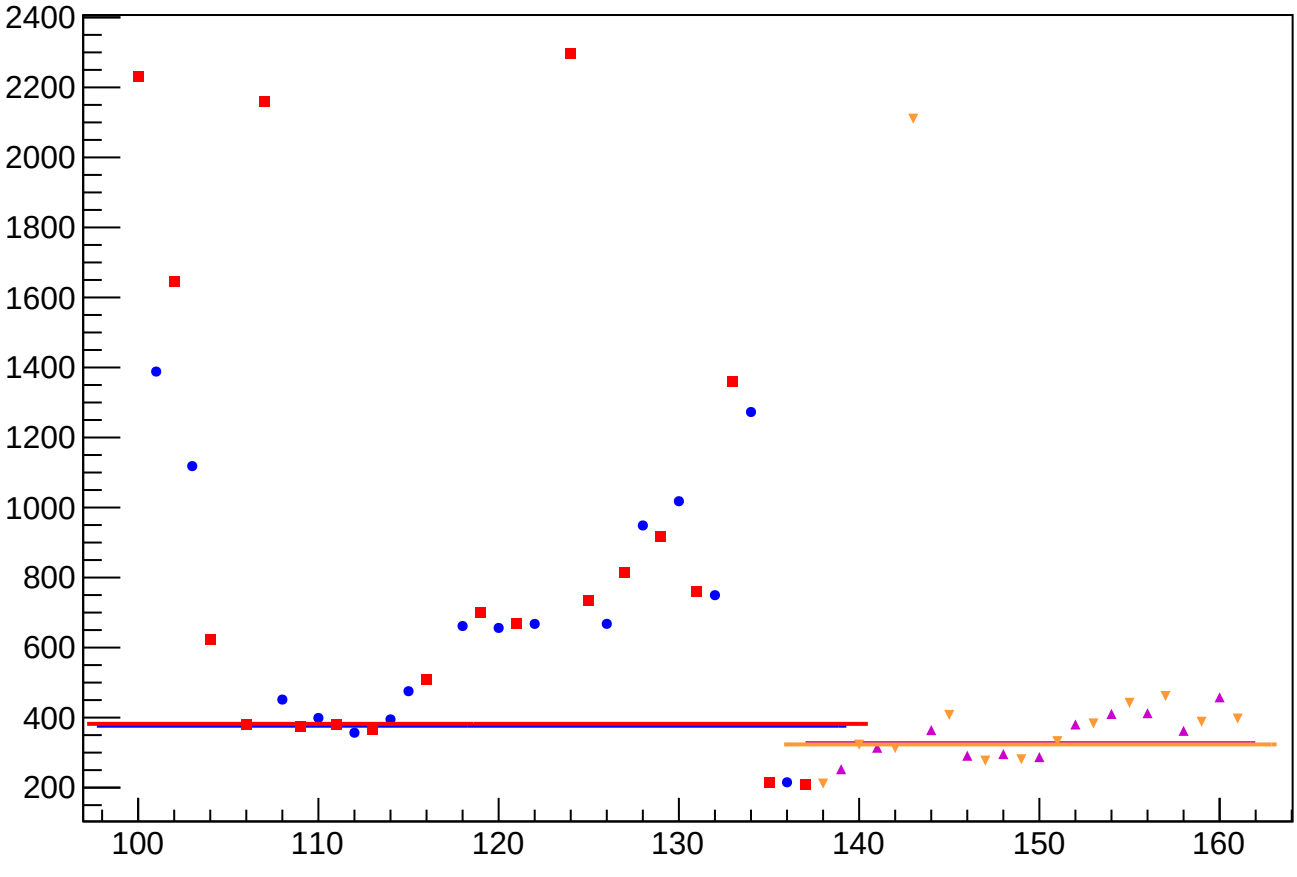
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -125.238+/-90.223 χ^2/NDF:50.1/31

All: -61.701+/-64.032 χ^2/NDF: 81.9/58

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: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

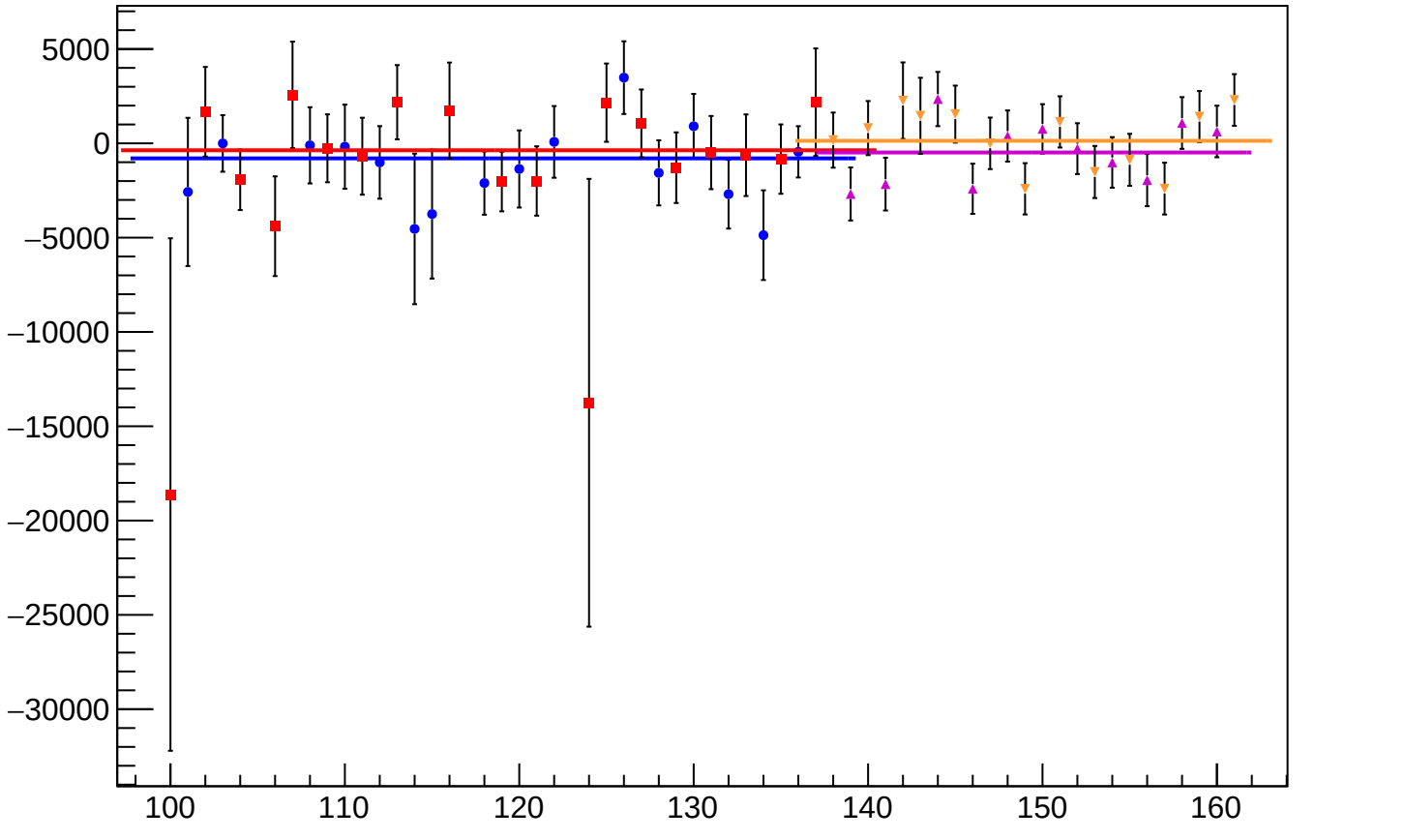
Left: 325.211+/-0.054 χ^2/NDF: 2726396.6/23

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 340.058+/-0.064 χ^2/NDF:6388234.4/31

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -484.545+/-412.146 χ^2/NDF:14.5/10

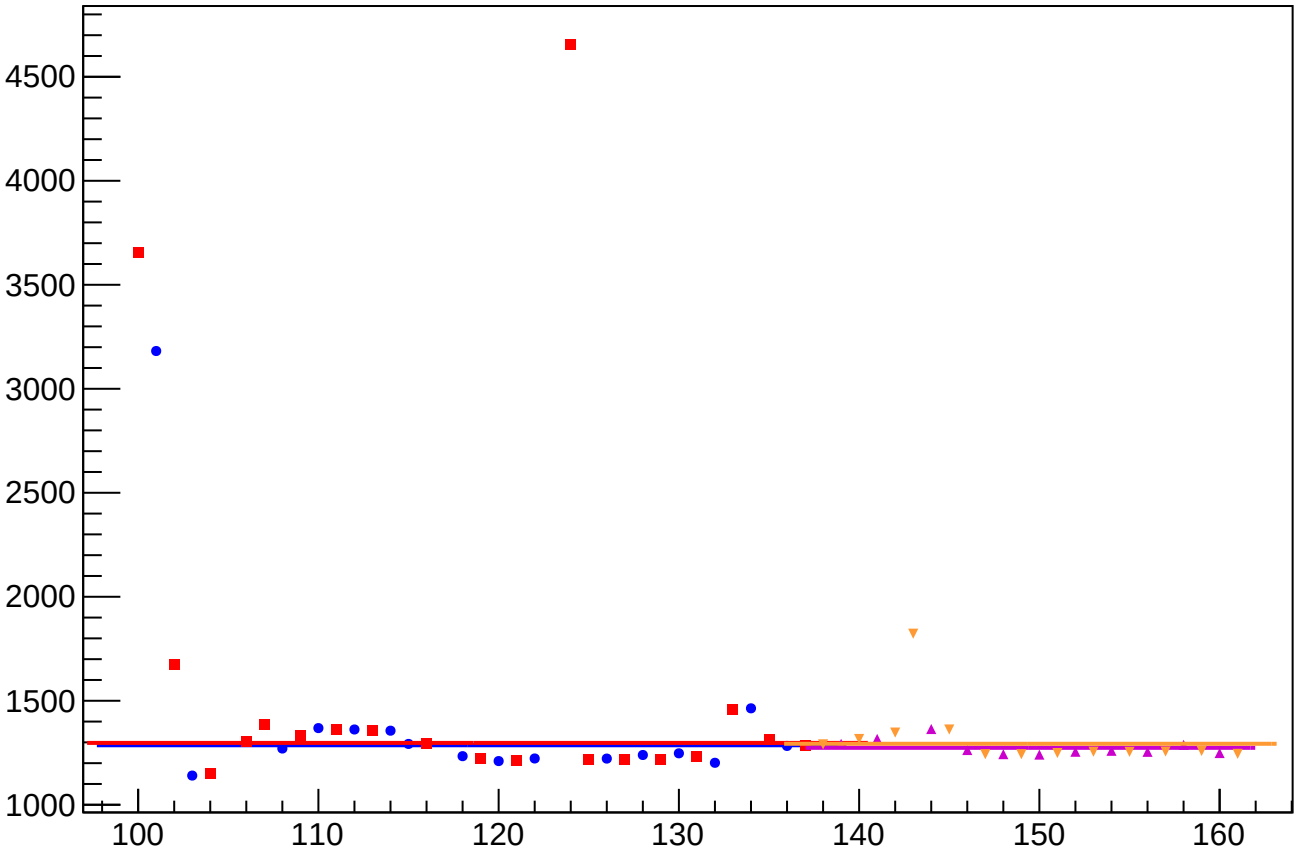
Left: -167.881+/-288.179 χ^2/NDF: 31.0/23

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -614.749+/-314.727 χ^2/NDF:28.1/26

Out: -69.597+/-310.356 χ^2/NDF:31.7/31

All: -338.361+/-220.984 χ^2/NDF: 61.4/58



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1283.730+/-0.204 χ^2/NDF: 176399.6/23

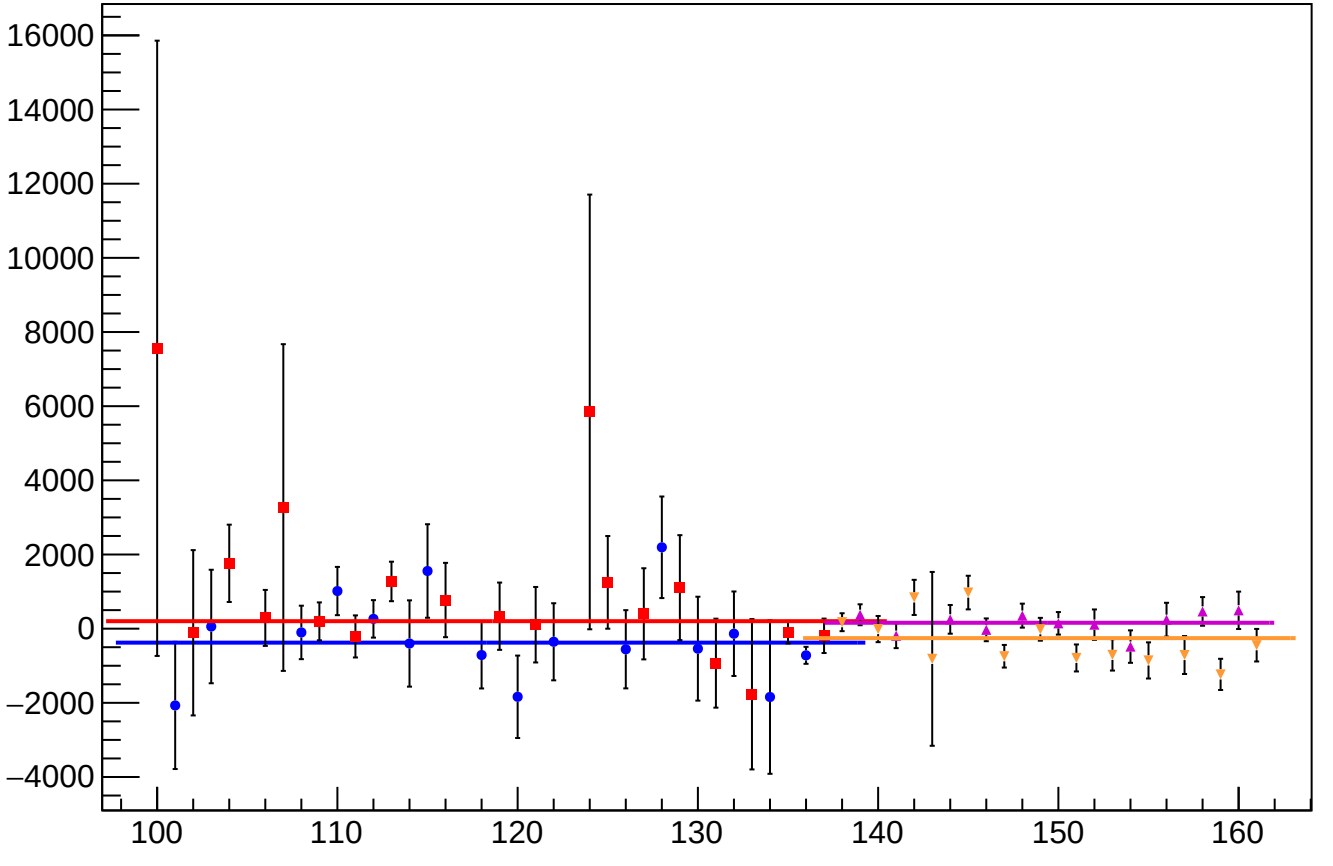
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1294.930+/-0.219 χ^2/NDF:487515.8/31

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

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: -254.928+/-106.606 χ^2/NDF:30.8/12

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -50.552+/-75.875 χ^2/NDF: 44.0/23

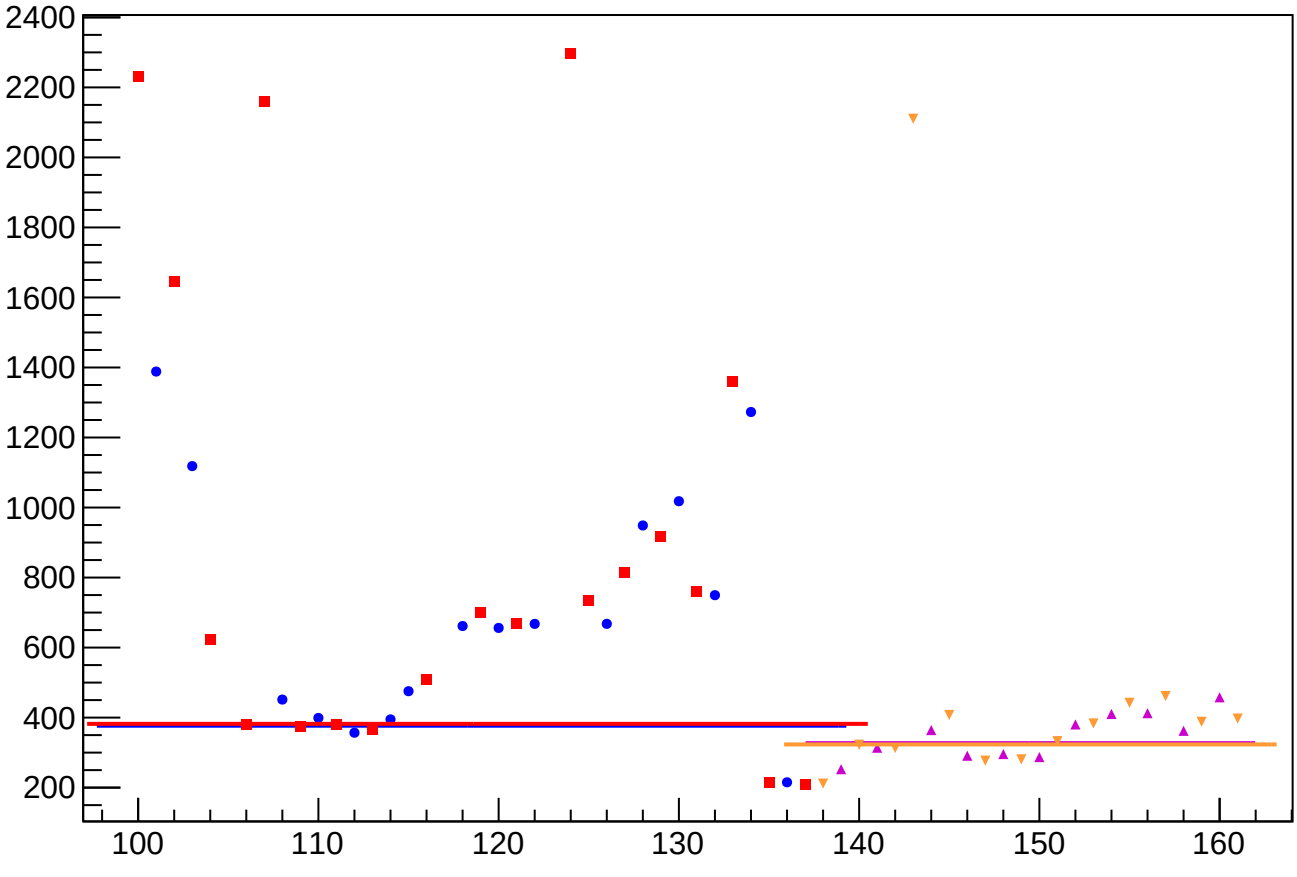
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -125.238+/-90.223 χ^2/NDF:50.1/31

All: -61.701+/-64.032 χ^2/NDF: 81.9/58

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: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

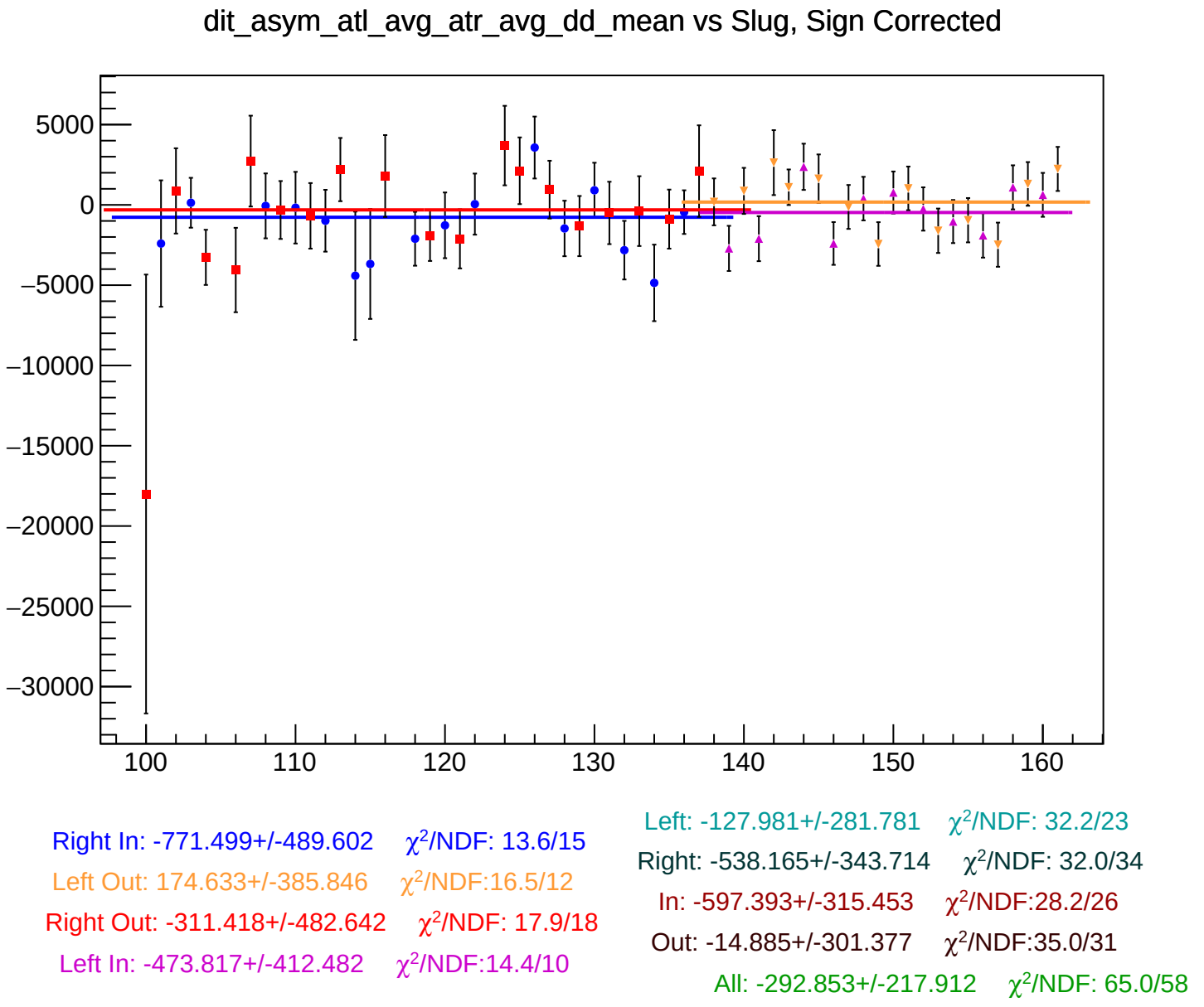
Left: 325.211+/-0.054 χ^2/NDF: 2726396.6/23

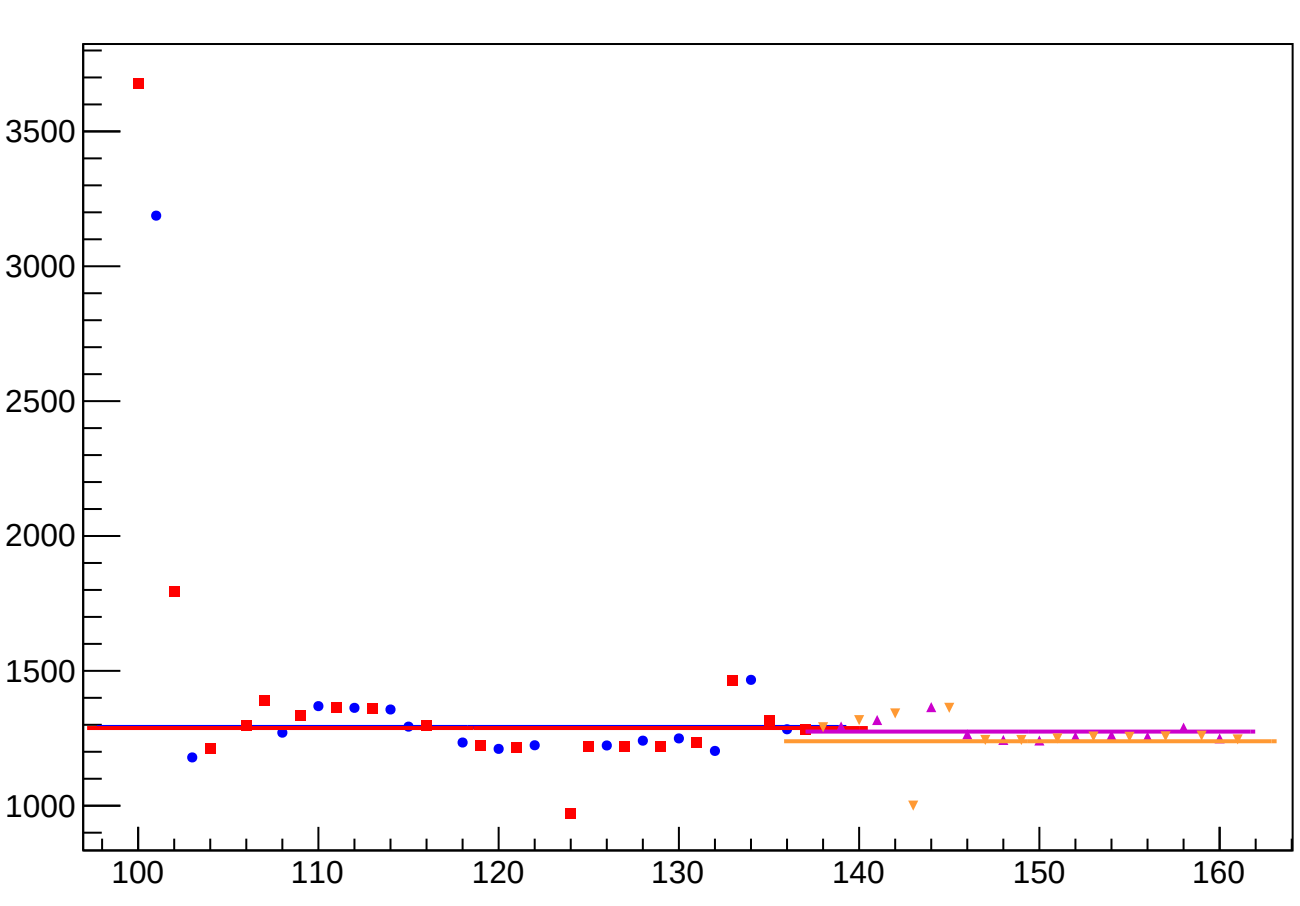
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 340.058+/-0.064 χ^2/NDF:6388234.4/31

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 174.633+/-385.846 χ²/NDF:16.5/12
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -473.817+/-412.482 χ²/NDF:14.4/10
Left: -127.981+/-281.781 χ²/NDF: 32.2/23
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -597.393+/-315.453 χ²/NDF:28.2/26
Out: -14.885+/-301.377 χ²/NDF:35.0/31
All: -292.853+/-217.912 χ²/NDF: 65.0/58



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121701.5/12

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1255.718+/-0.199 χ^2/NDF: 144252.0/23

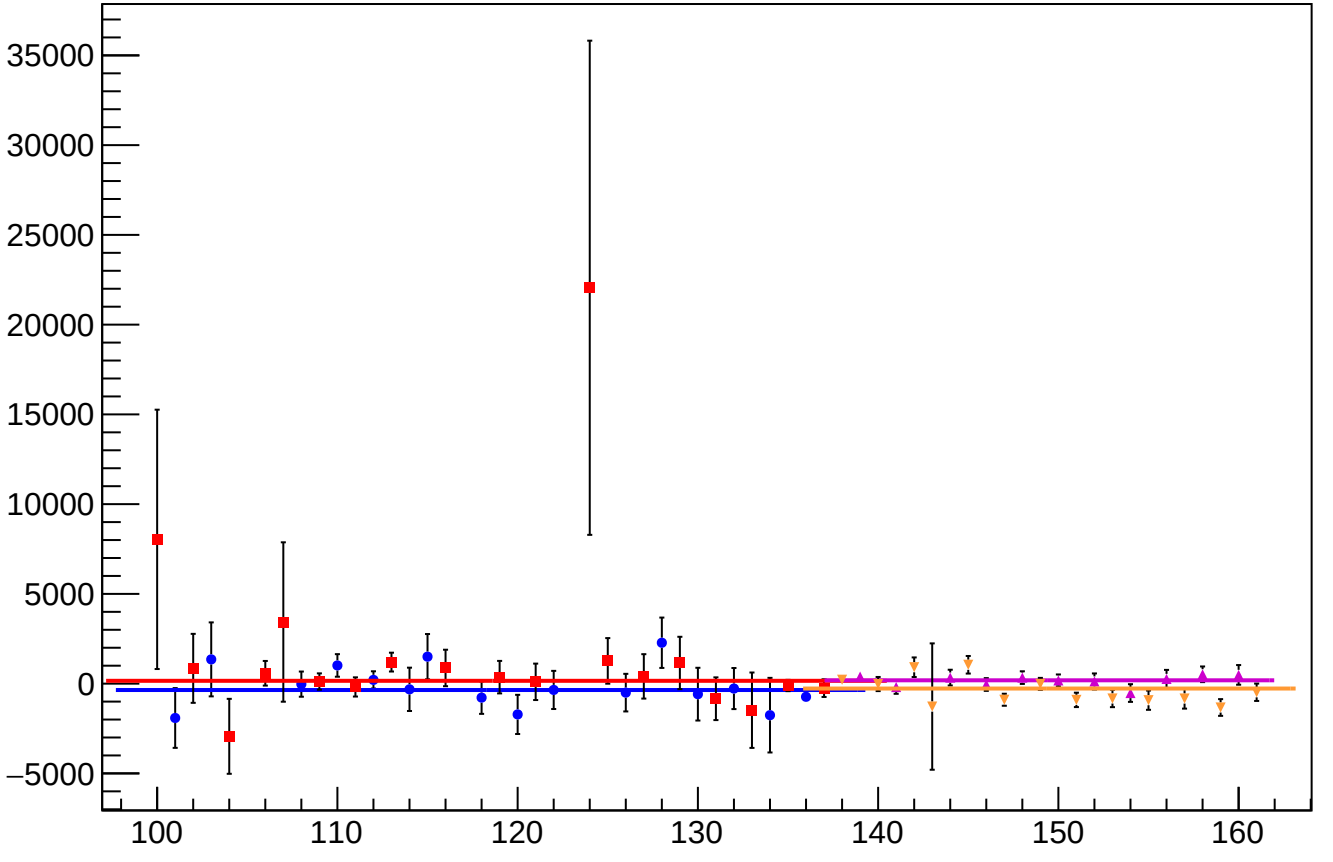
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.100+/-0.213 χ^2/NDF:343481.8/31

All: 1269.491+/-0.154 χ^2/NDF: 874824.7/58

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: -272.414+/-115.649 χ^2/NDF:32.2/12

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 186.432+/-117.842 χ^2/NDF:5.3/10

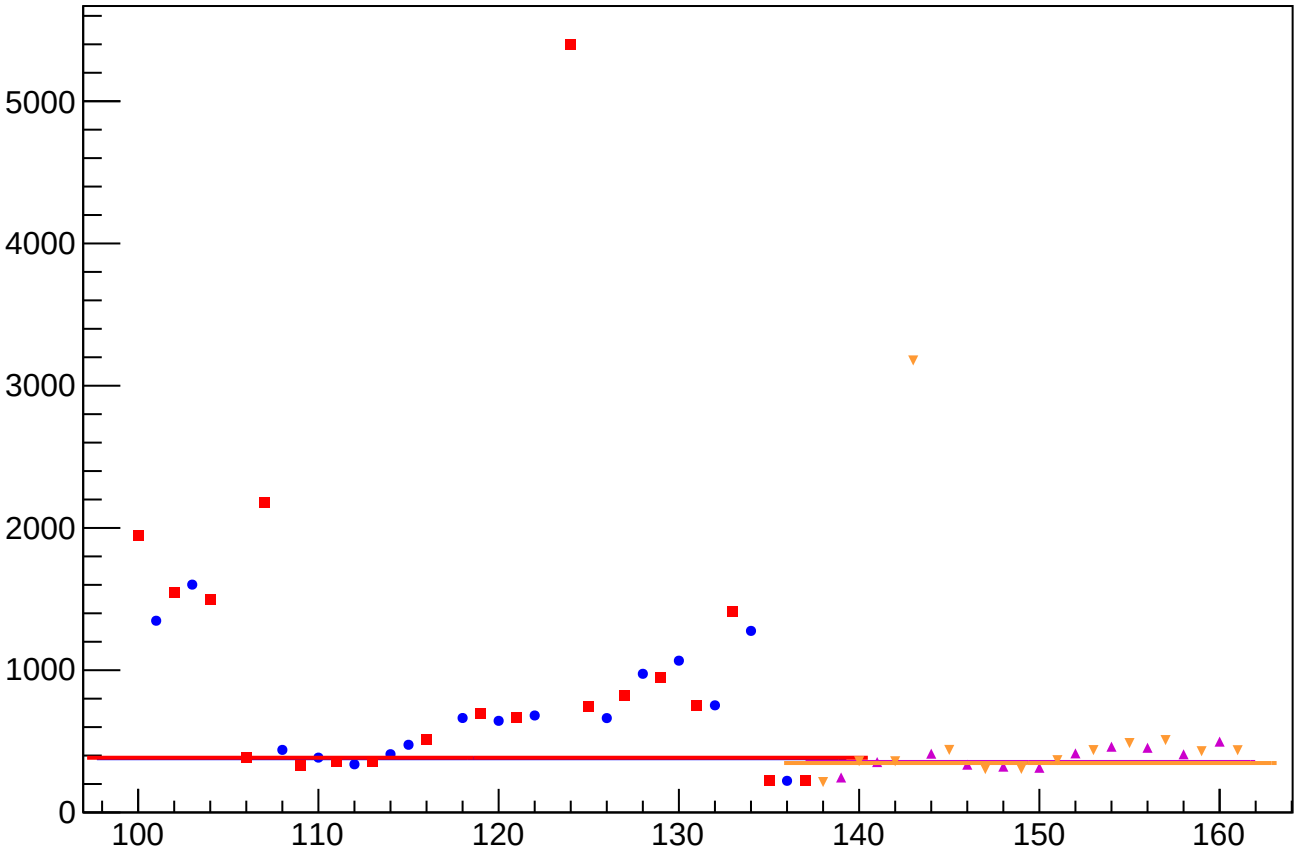
Left: -47.302+/-82.541 χ^2/NDF: 45.2/23

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 10.591+/-96.844 χ^2/NDF:30.6/26

Out: -135.898+/-95.560 χ^2/NDF:52.5/31

All: -63.631+/-68.021 χ^2/NDF: 84.2/58



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 347.482+/-0.082 χ^2/NDF:2542790.6/12

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

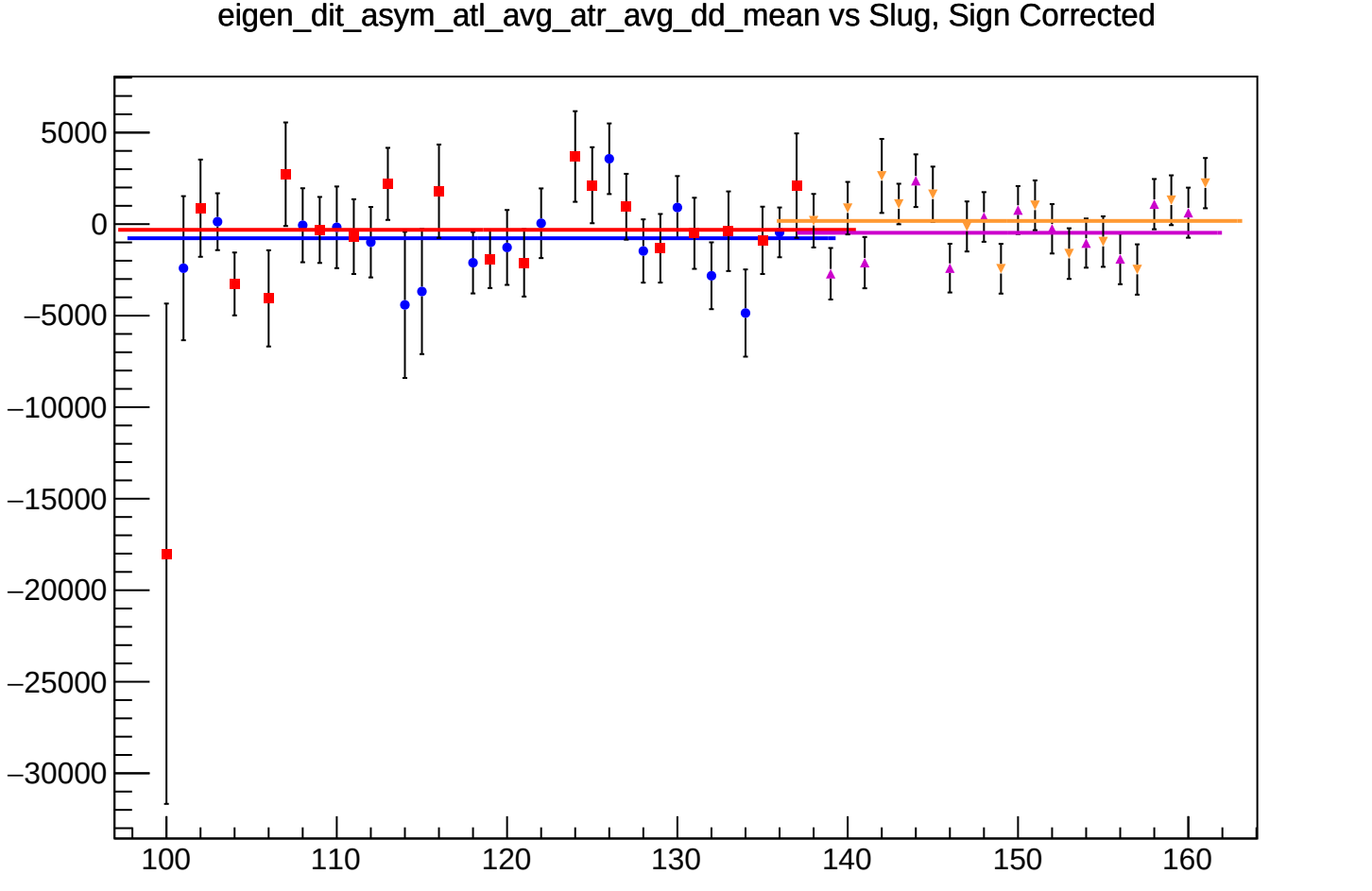
Left: 351.110+/-0.058 χ^2/NDF: 3322707.9/23

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 363.471+/-0.068 χ^2/NDF:5126592.3/26

Out: 359.273+/-0.068 χ^2/NDF:7168534.3/31

All: 361.344+/-0.048 χ^2/NDF: 12297030.5/58



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.634+/-385.846 χ^2/NDF:16.5/12

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -473.816+/-412.482 χ^2/NDF:14.4/10

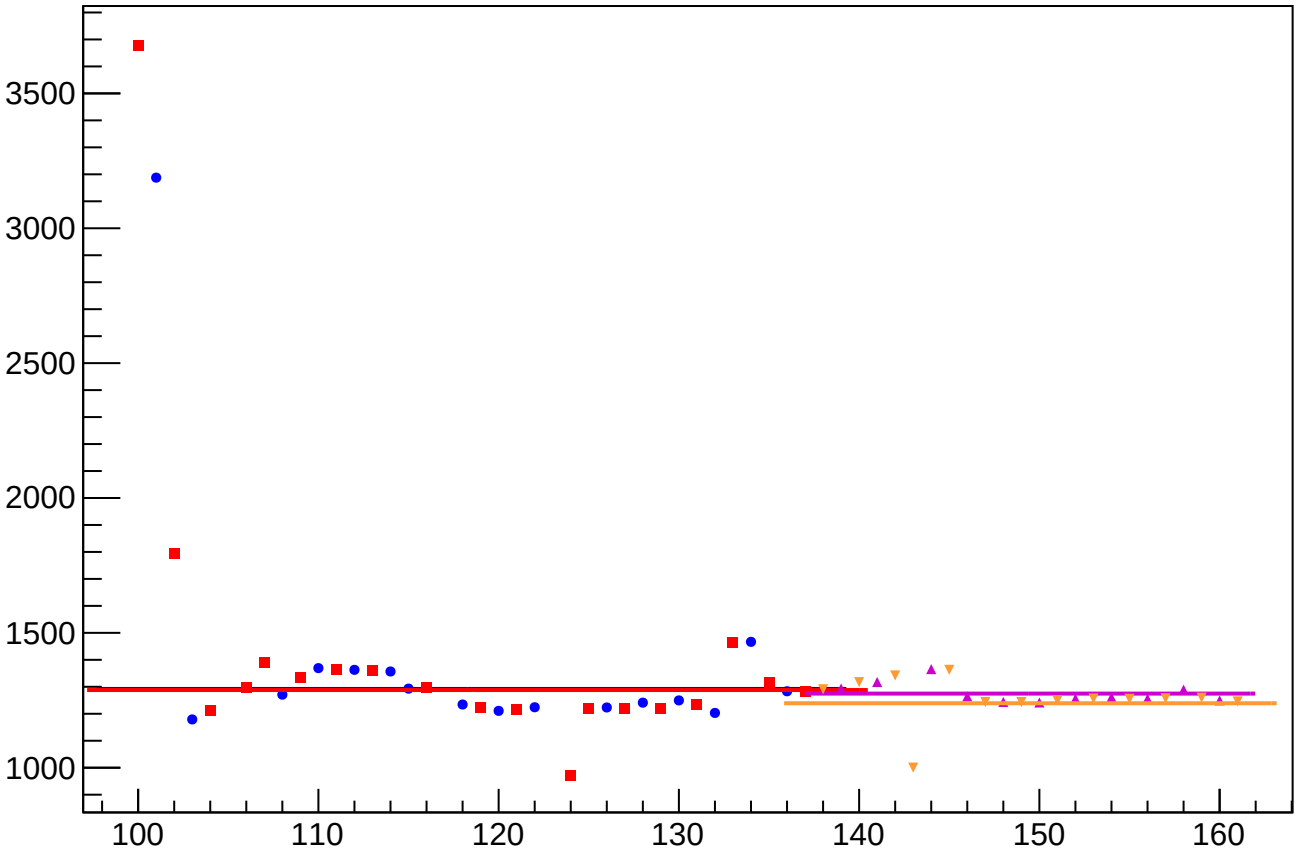
Left: -127.980+/-281.781 χ^2/NDF: 32.2/23

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -597.394+/-315.453 χ^2/NDF:28.2/26

Out: -14.885+/-301.377 χ^2/NDF:35.0/31

All: -292.853+/-217.912 χ^2/NDF: 65.0/58



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121700.7/12

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1255.718+/-0.199 χ^2/NDF: 144251.2/23

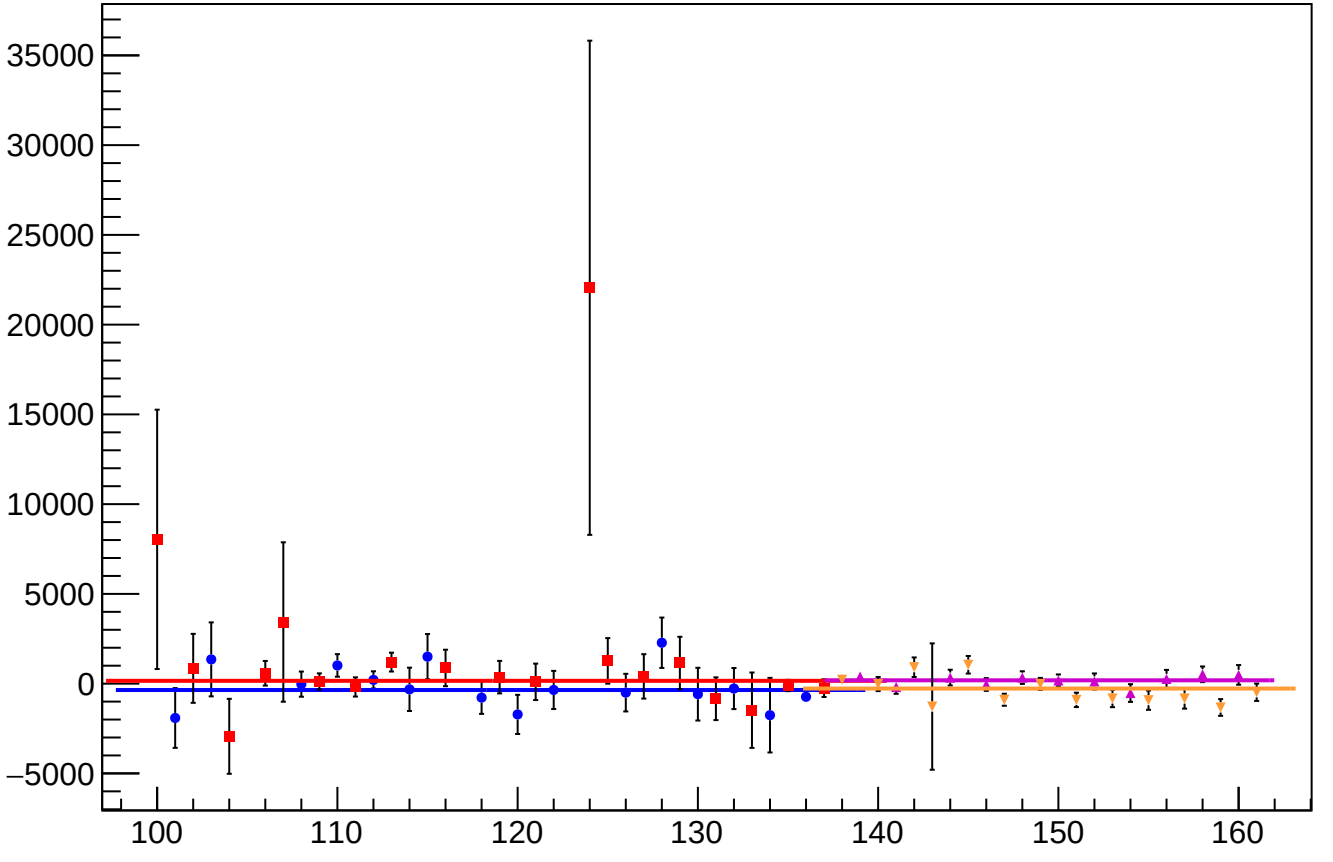
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.100+/-0.213 χ^2/NDF:343481.2/31

All: 1269.491+/-0.154 χ^2/NDF: 874824.1/58

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -272.426+/-115.650 χ^2/NDF:32.2/12

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 186.432+/-117.844 χ^2/NDF:5.3/10

Left: -47.307+/-82.542 χ^2/NDF: 45.2/23

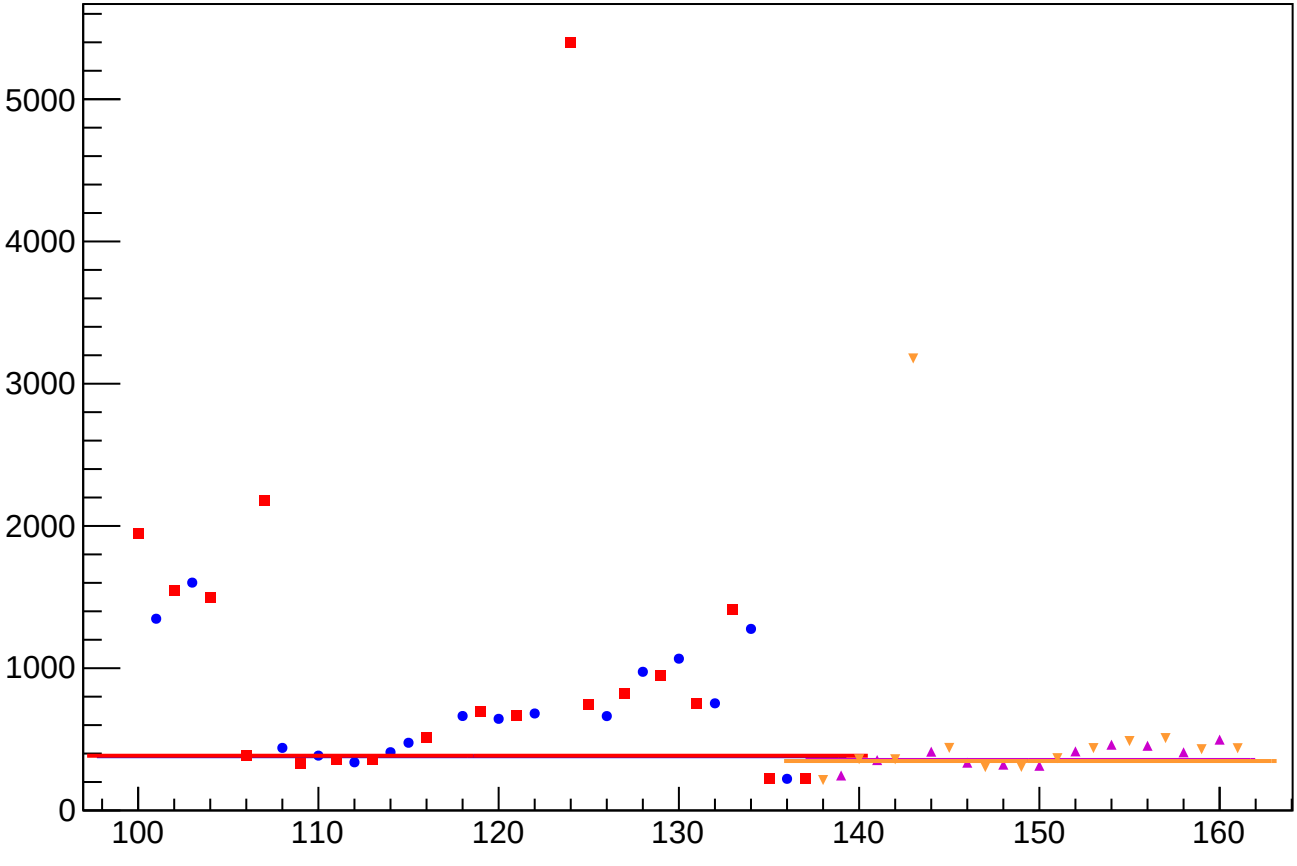
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 10.593+/-96.845 χ^2/NDF:30.6/26

Out: -135.904+/-95.562 χ^2/NDF:52.5/31

All: -63.633+/-68.021 χ^2/NDF: 84.2/58

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: 347.489+/-0.082 χ^2/NDF:2542614.1/12

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

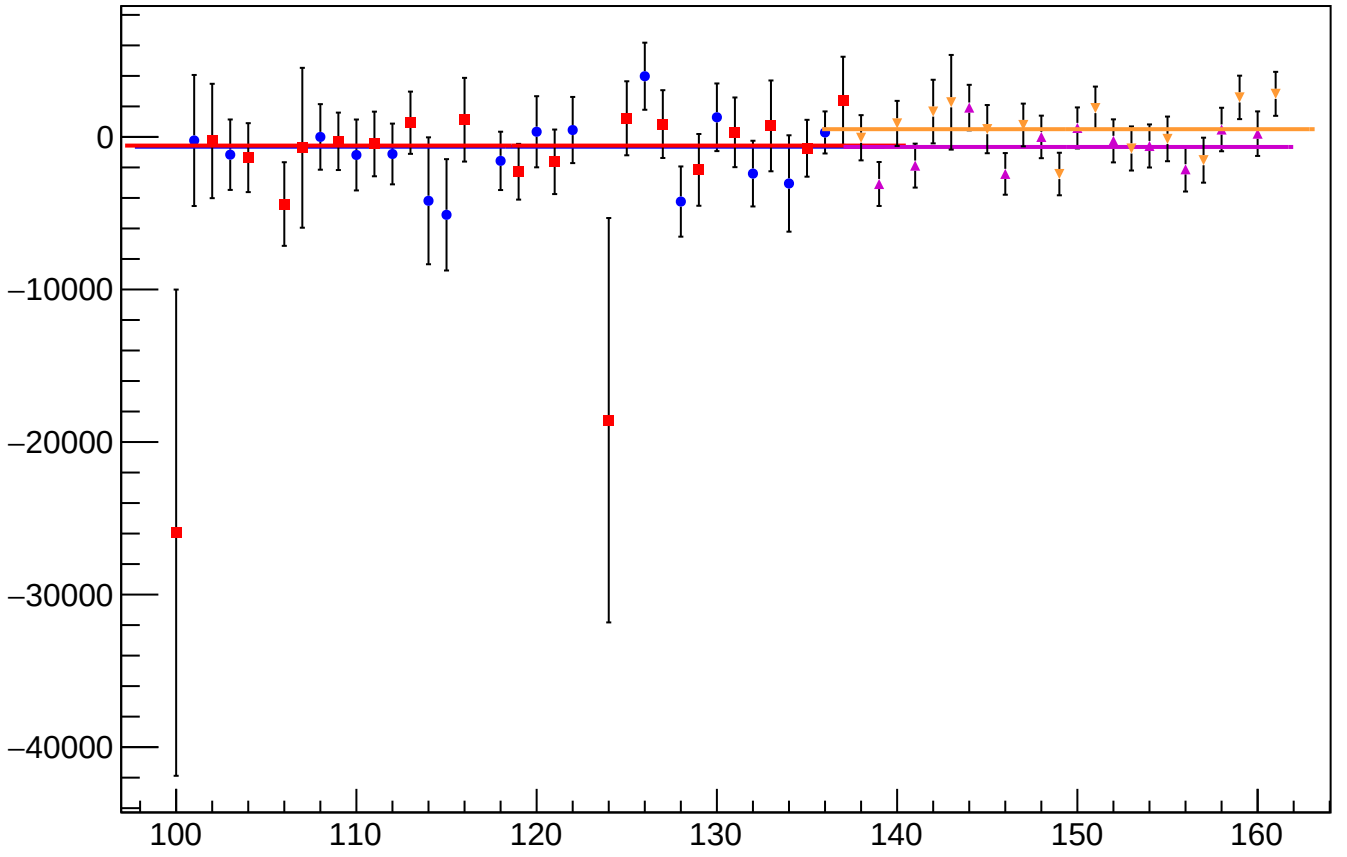
Left: 351.116+/-0.058 χ^2/NDF: 3322432.4/23

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 363.477+/-0.068 χ^2/NDF:5126321.9/26

Out: 359.280+/-0.068 χ^2/NDF:7168220.2/31

All: 361.351+/-0.048 χ^2/NDF: 12296445.4/58



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 507.914+/-424.273 χ^2/NDF:13.9/12

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -657.388+/-428.345 χ^2/NDF:11.4/10

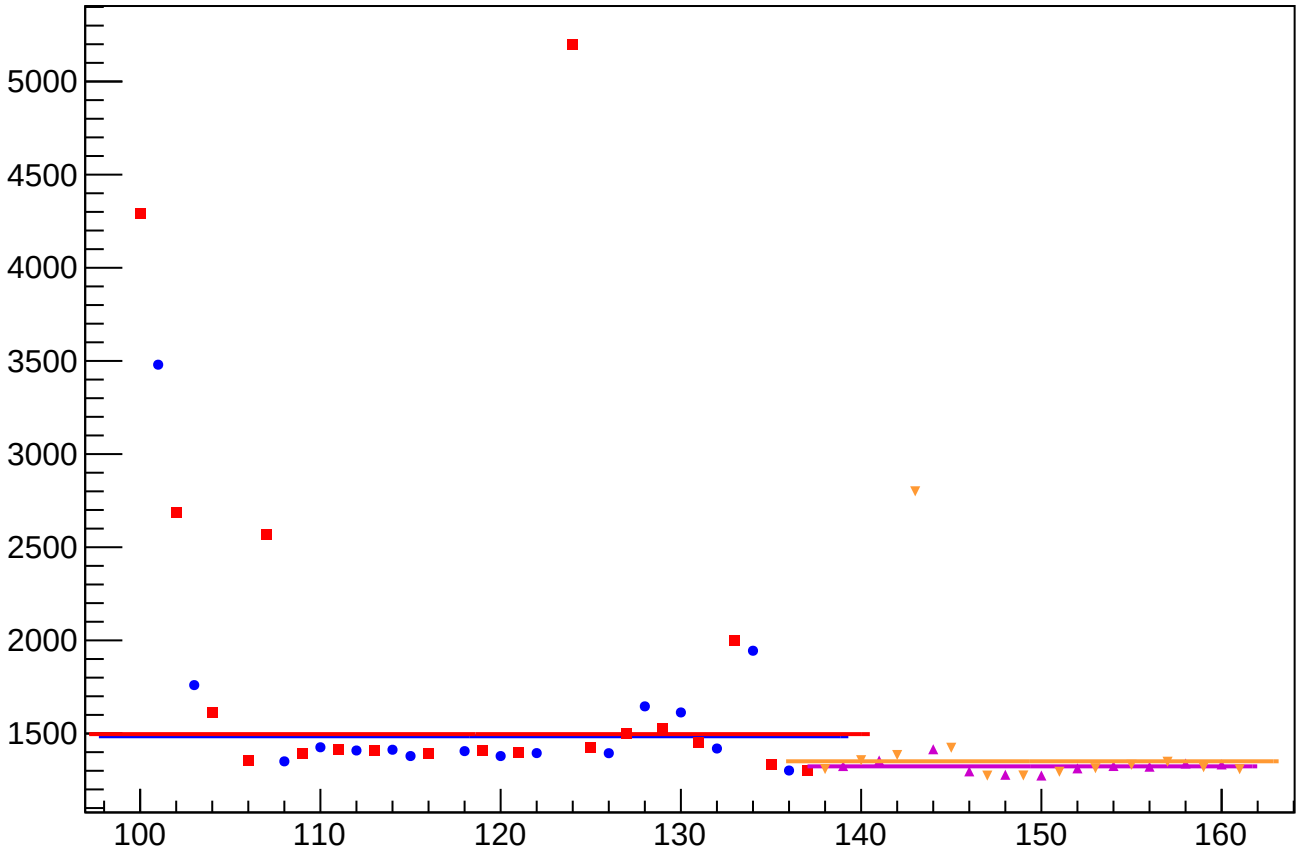
Left: -69.172+/-301.436 χ^2/NDF: 29.0/23

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -651.334+/-341.199 χ^2/NDF:23.9/26

Out: 121.795+/-339.651 χ^2/NDF:27.5/31

All: -263.011+/-240.715 χ^2/NDF: 53.9/58



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1350.998+/-0.300 χ^2/NDF:462116.1/12

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

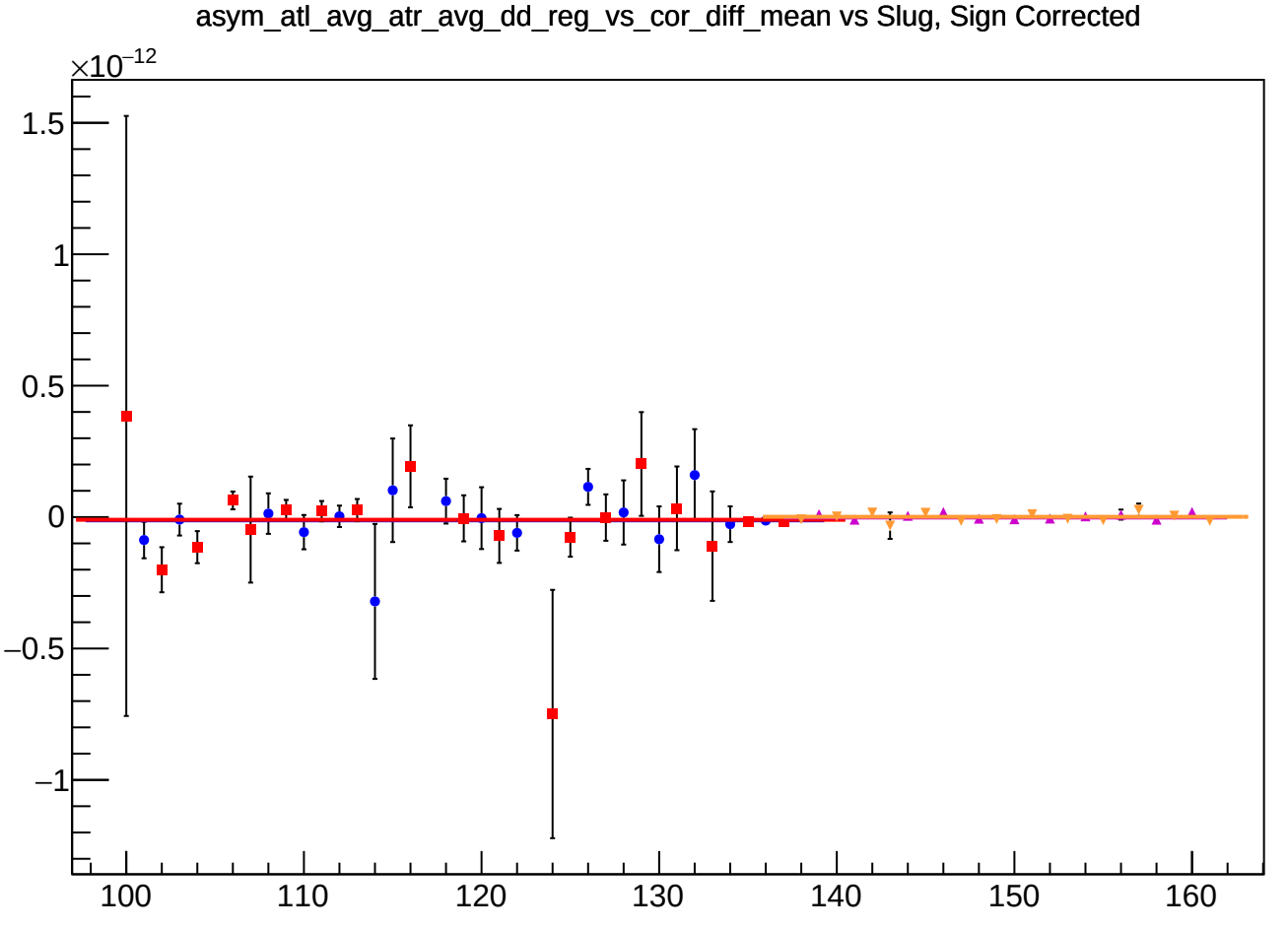
Left: 1337.533+/-0.213 χ^2/NDF: 480710.3/23

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1382.859+/-0.241 χ^2/NDF:702993.4/26

Out: 1403.383+/-0.240 χ^2/NDF:1170307.4/31

All: 1393.168+/-0.170 χ^2/NDF: 1876935.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/10

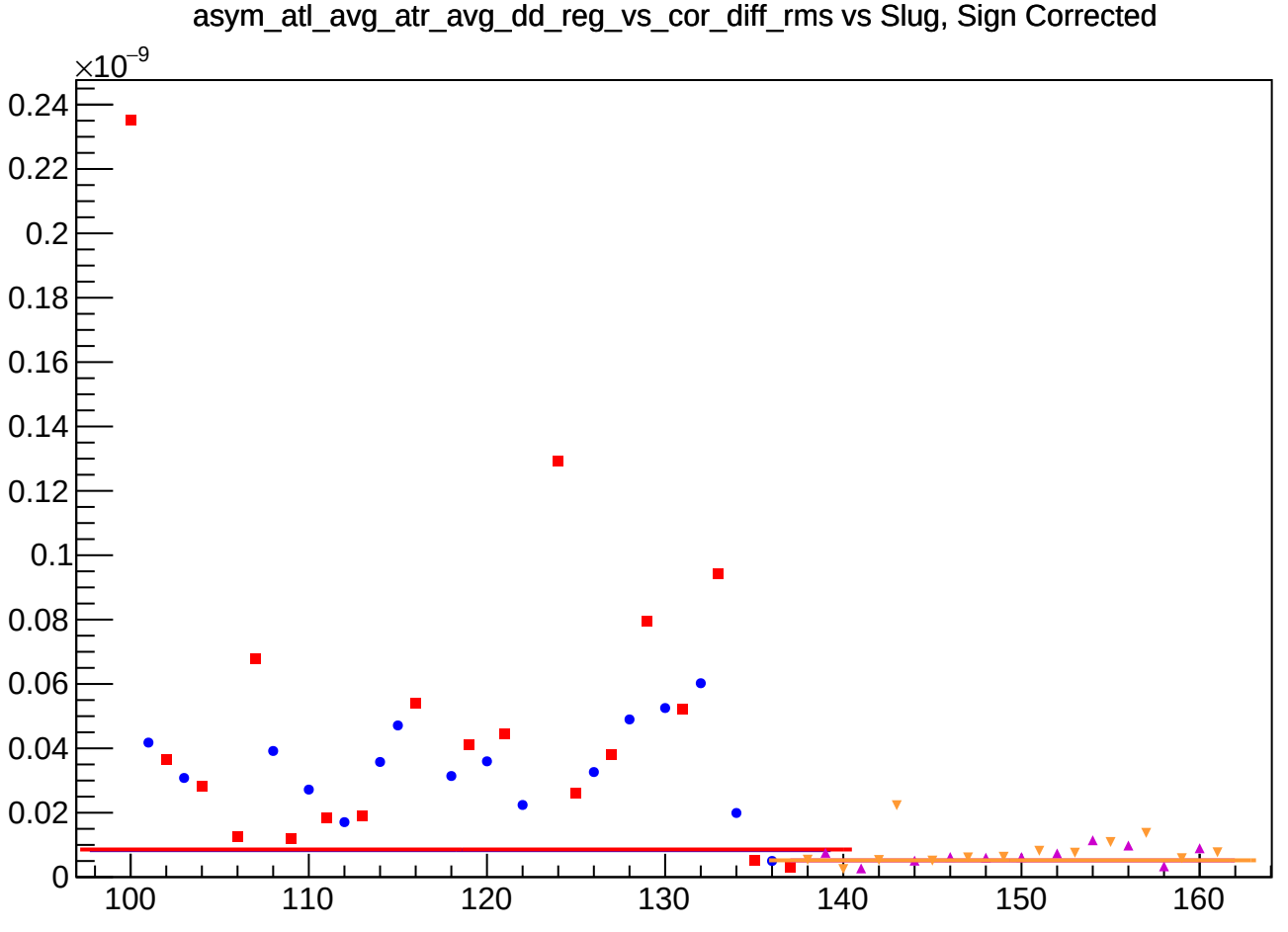
Left: -0.000+/-0.000 χ^2/NDF: 27.0/23

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:37.8/31

All: -0.000+/-0.000 χ^2/NDF: 62.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617555.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

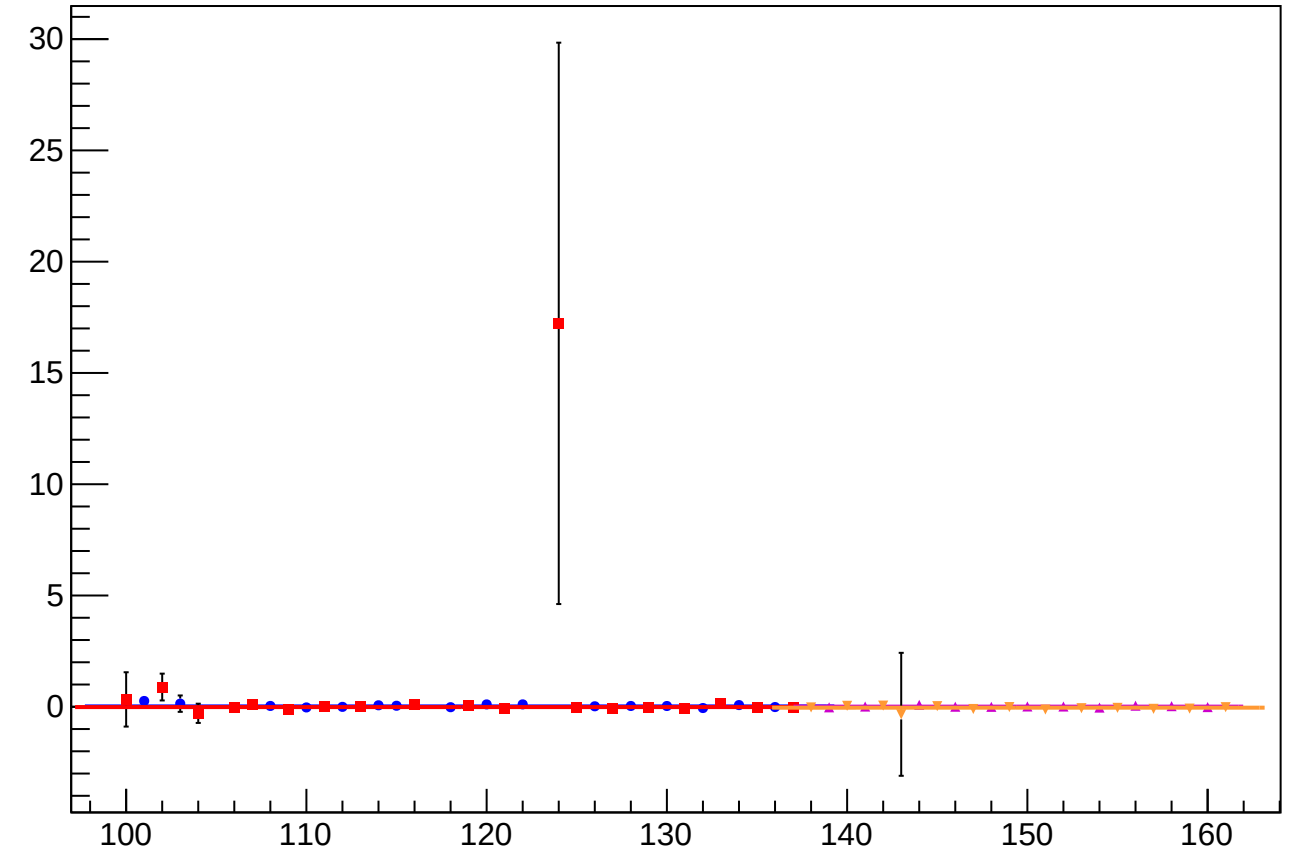
Left: 0.000+/-0.000 χ^2/NDF: 2825334.5/23

Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4591650.6/26

Out: 0.000+/-0.000 χ^2/NDF:5279526.5/31

All: 0.000+/-0.000 χ^2/NDF: 9871181.6/58



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

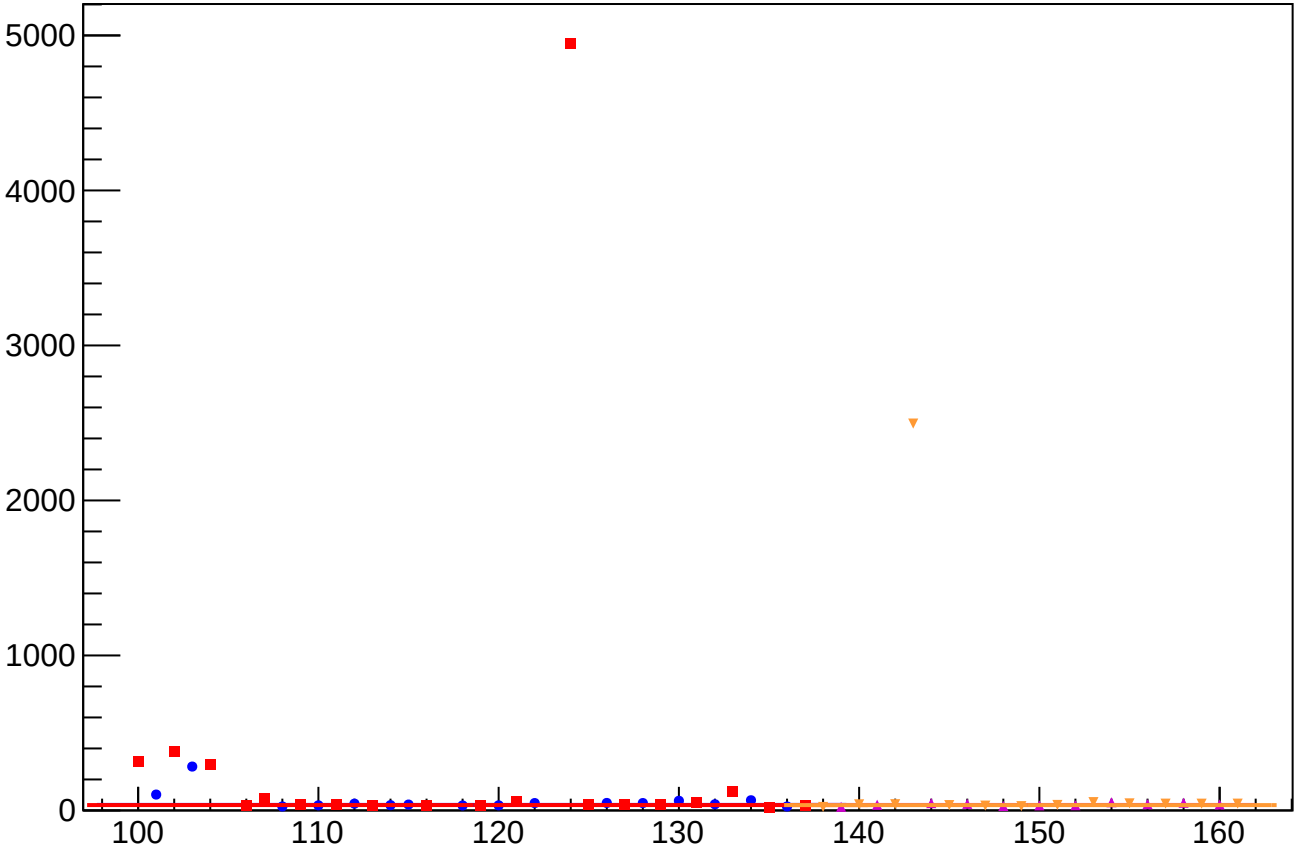
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2600715.8/12

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

Left: 34.986+/-0.006 χ^2/NDF: 3529119.6/23

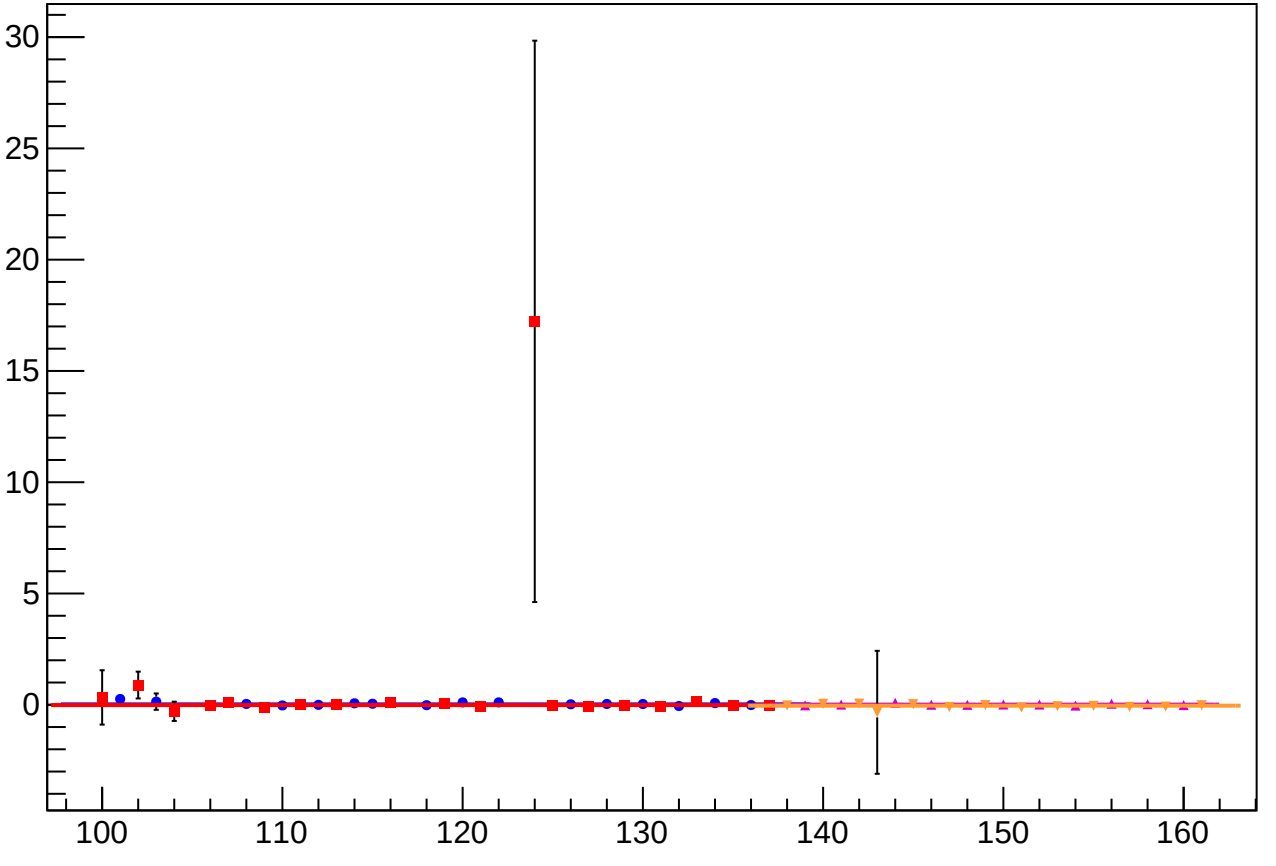
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.632+/-0.007 χ^2/NDF:5515210.9/31

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

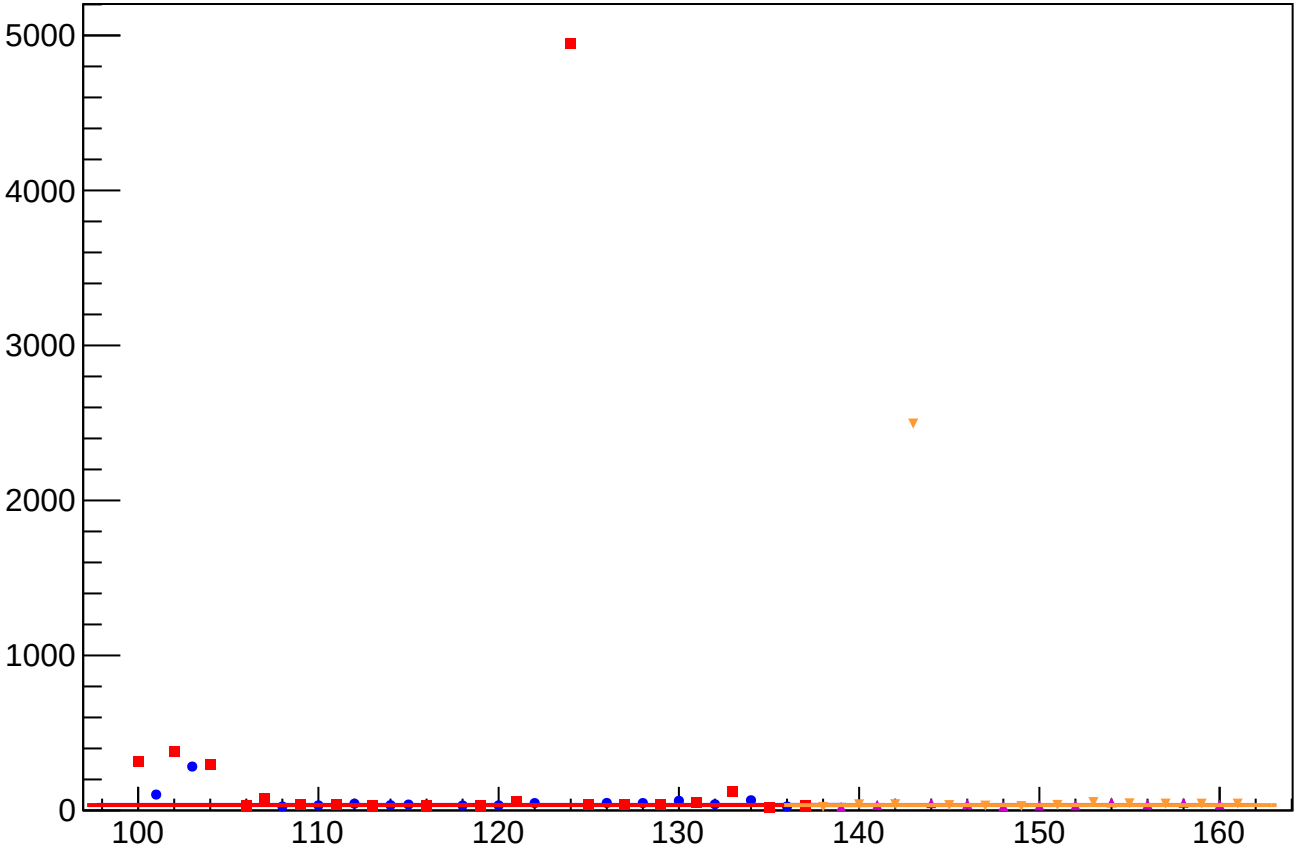
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2600715.8/12

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

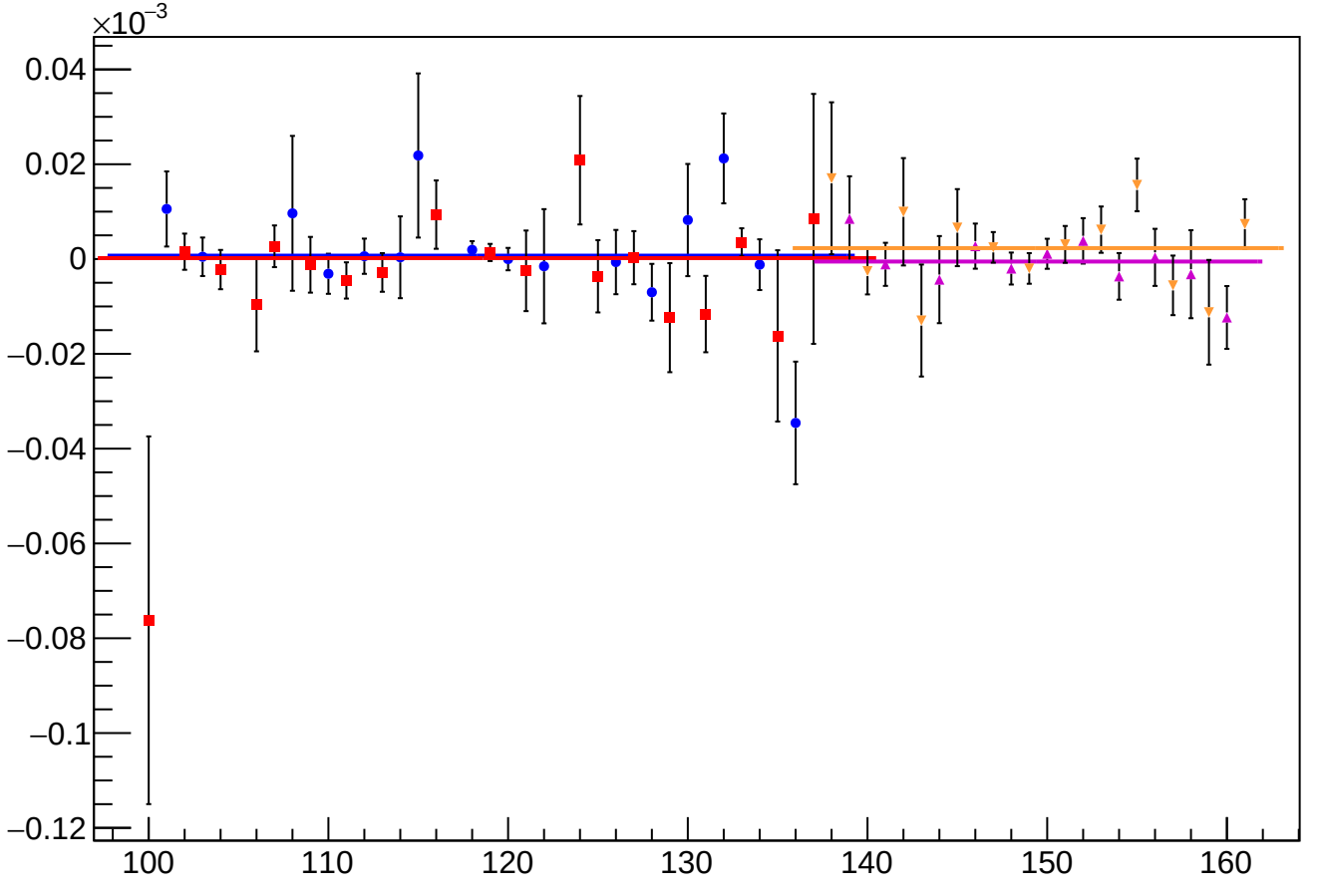
Left: 34.986+/-0.006 χ^2/NDF: 3529119.6/23

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.632+/-0.007 χ^2/NDF:5515210.9/31

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/10

Left: 0.000+/-0.000 χ^2/NDF: 24.9/23

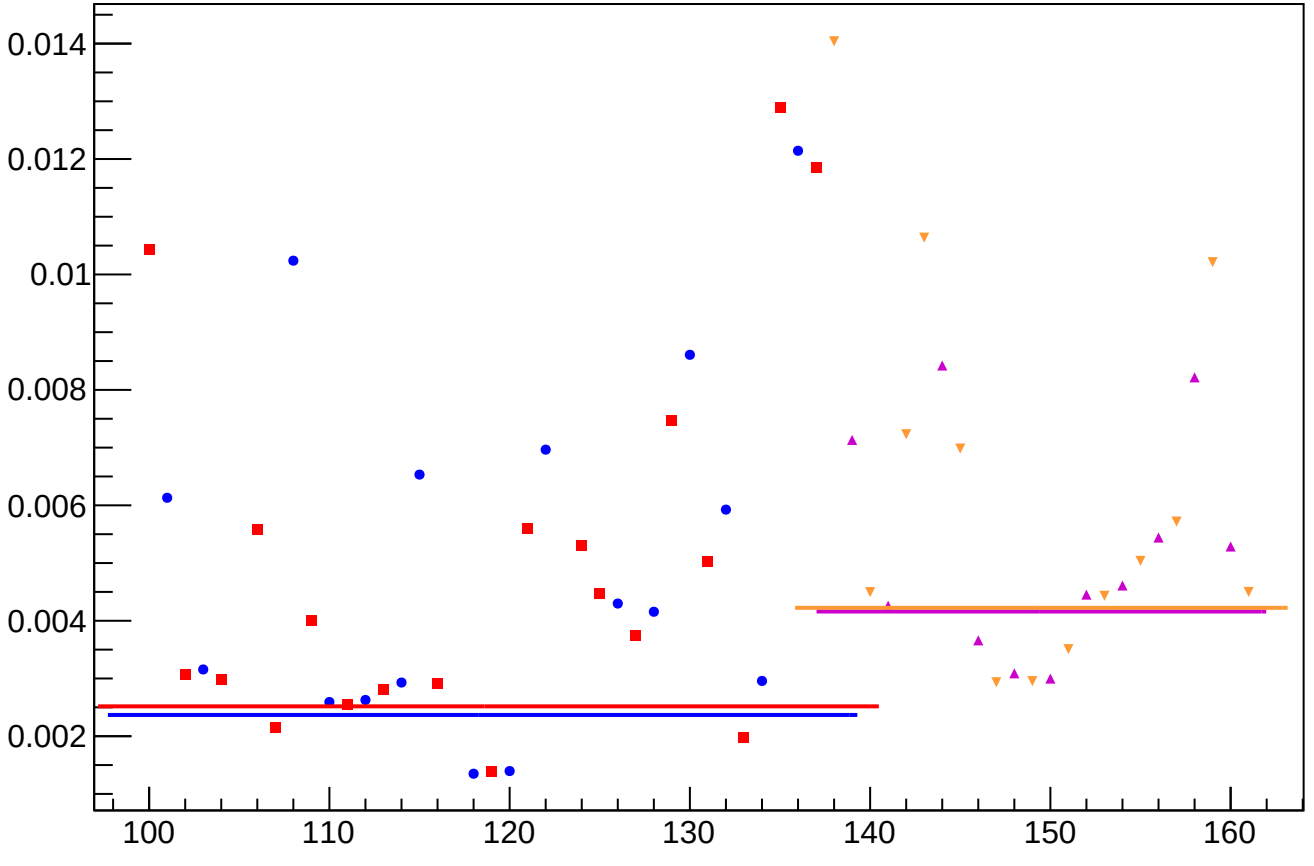
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: 0.000+/-0.000 χ^2/NDF:35.9/31

All: 0.000+/-0.000 χ^2/NDF: 62.4/58

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3166235.6/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1697642.3/10

Left: 0.004+/-0.000 χ^2/NDF: 4865769.1/23

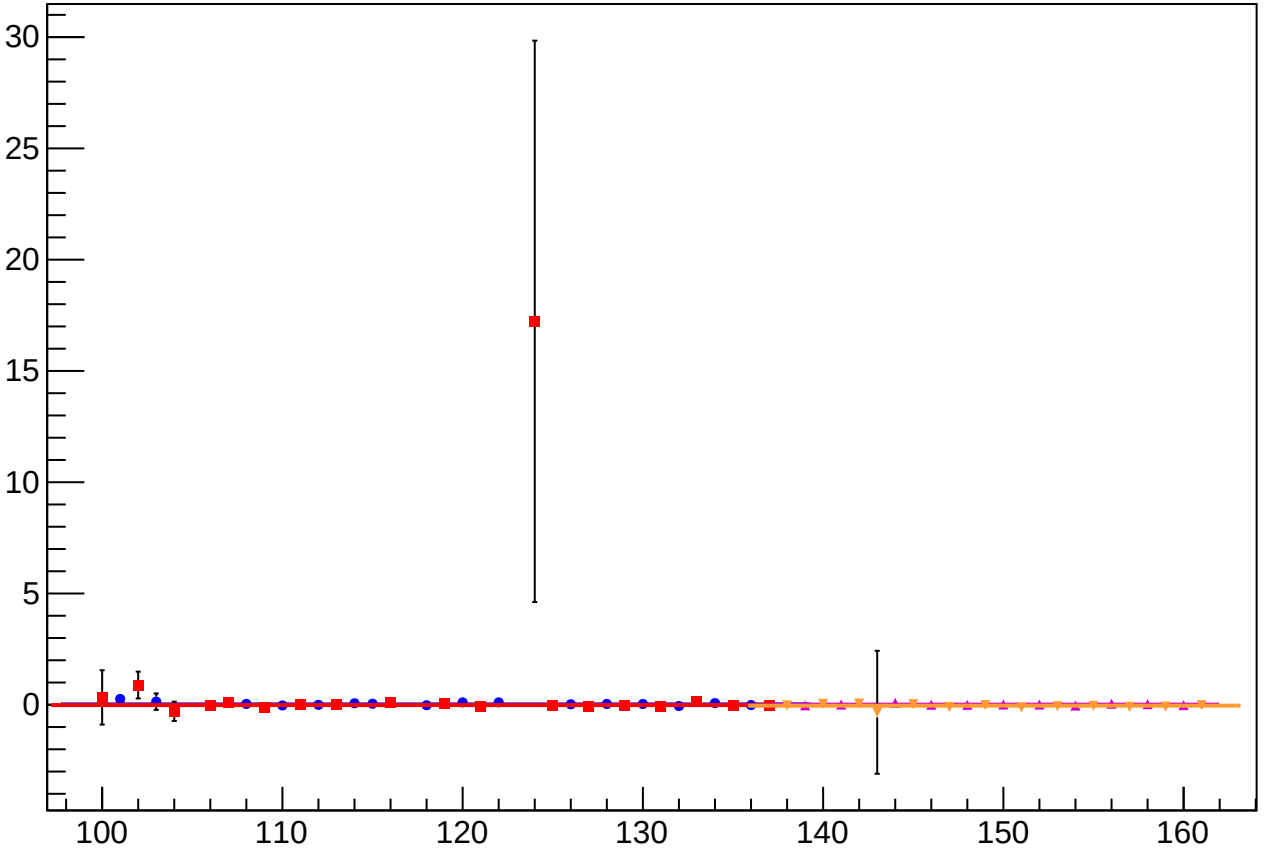
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8286489.8/26

Out: 0.003+/-0.000 χ^2/NDF:8369786.6/31

All: 0.003+/-0.000 χ^2/NDF: 16672382.7/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

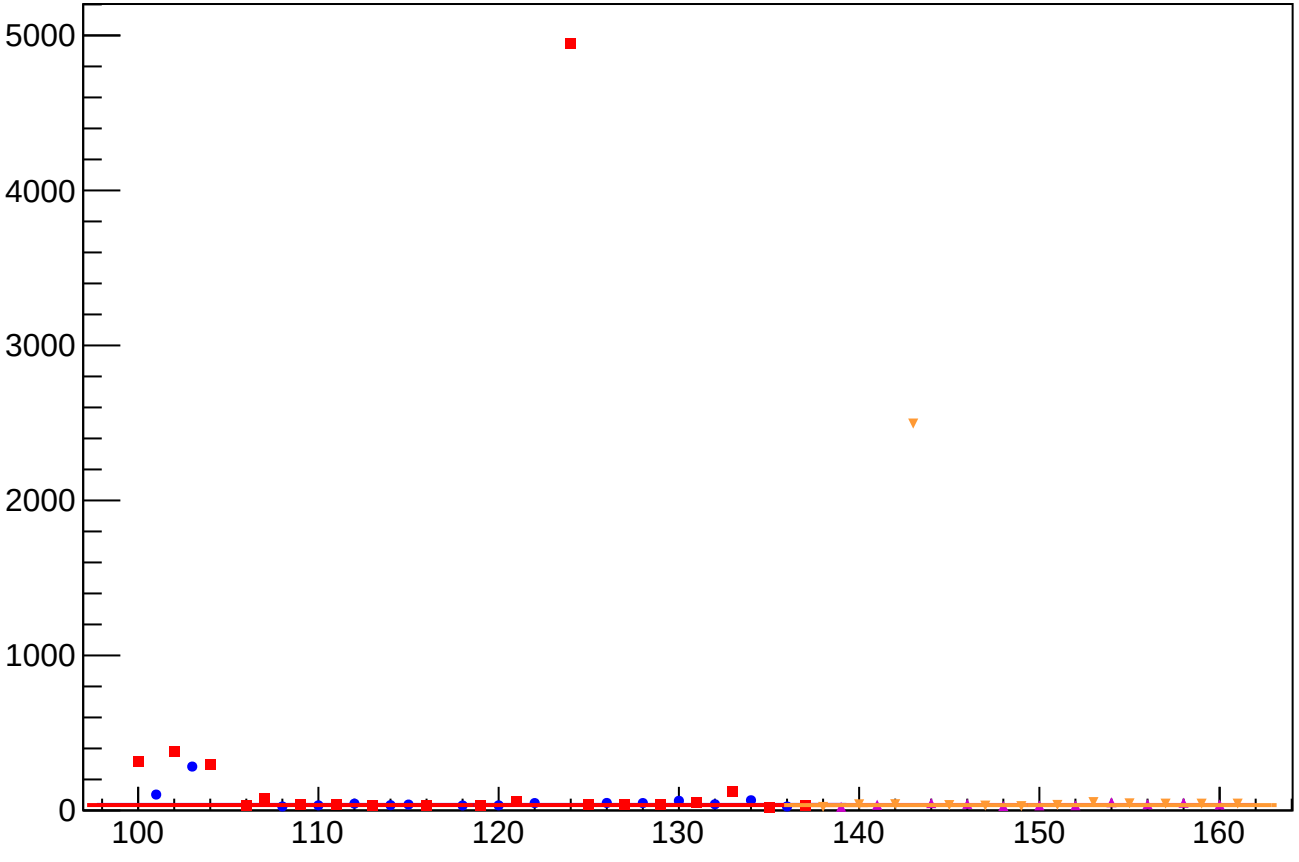
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2601000.5/12

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

Left: 34.985+/-0.006 χ^2/NDF: 3529984.4/23

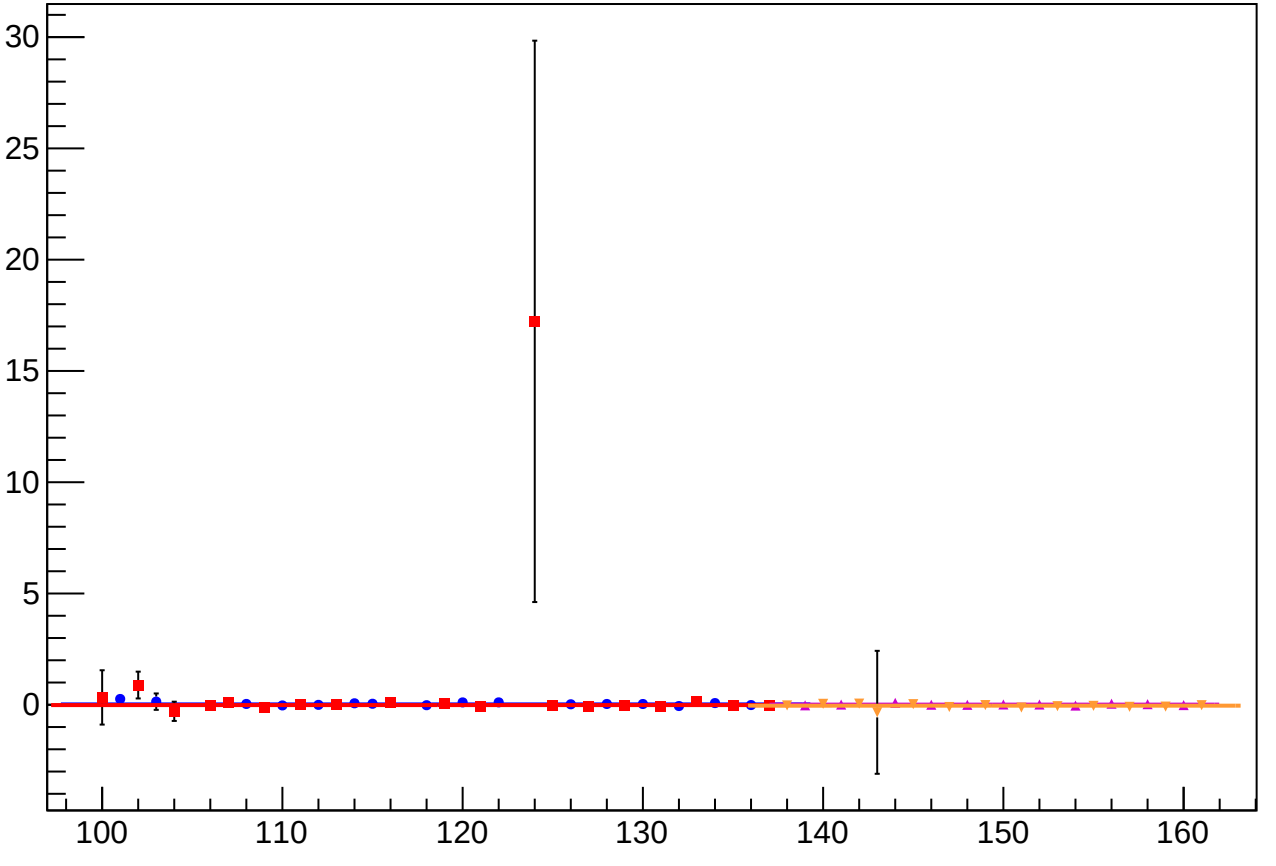
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.632+/-0.007 χ^2/NDF:5515323.7/31

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

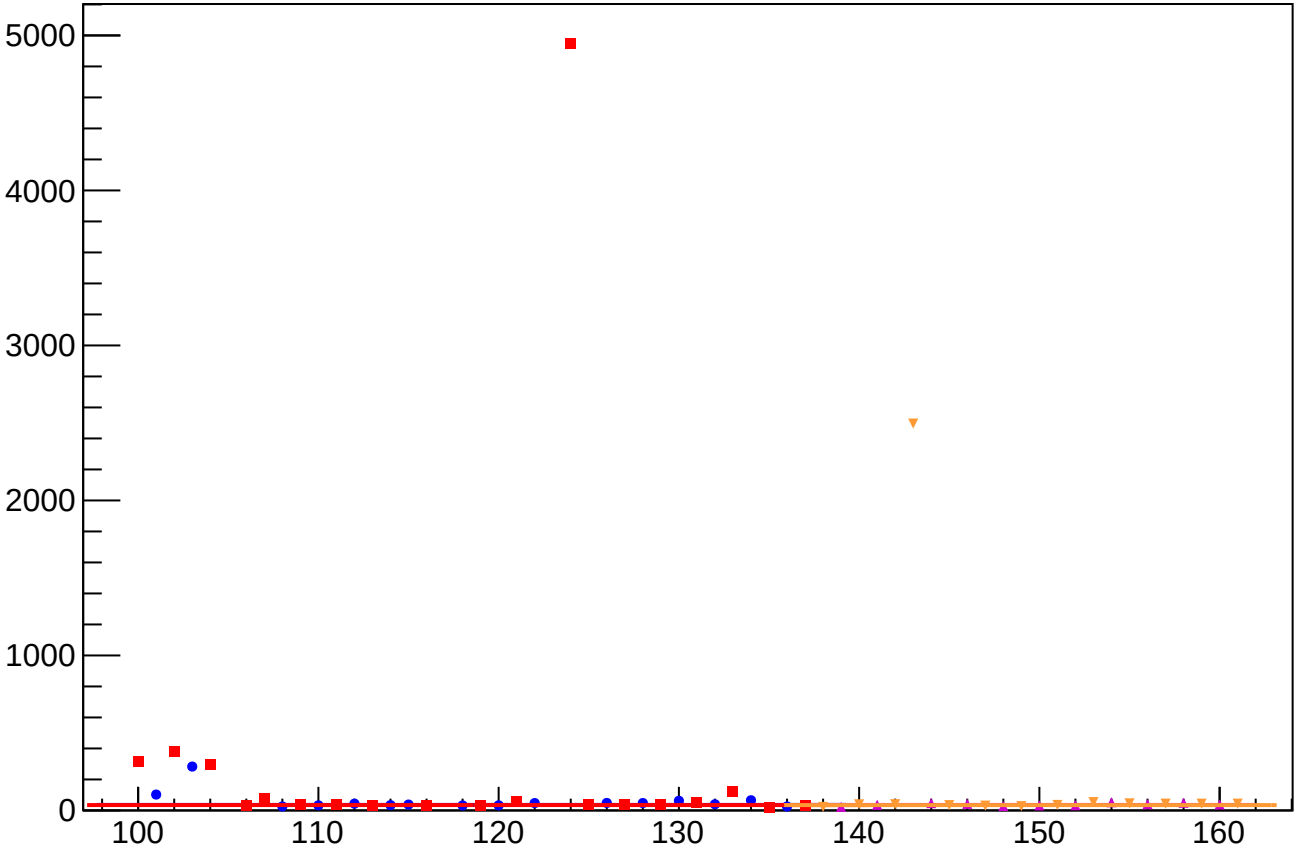
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2601000.5/12

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

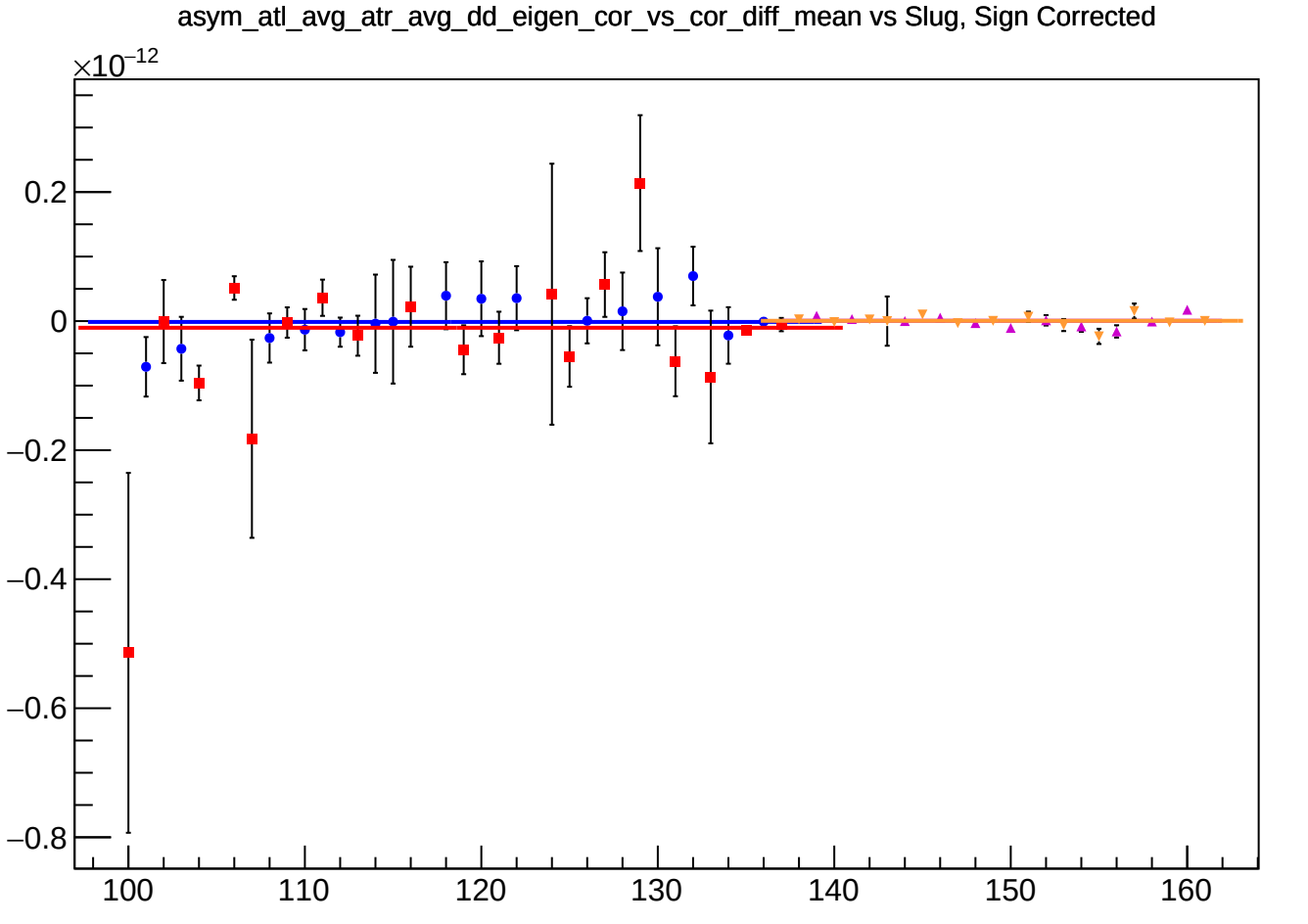
Left: 34.985+/-0.006 χ^2/NDF: 3529984.4/23

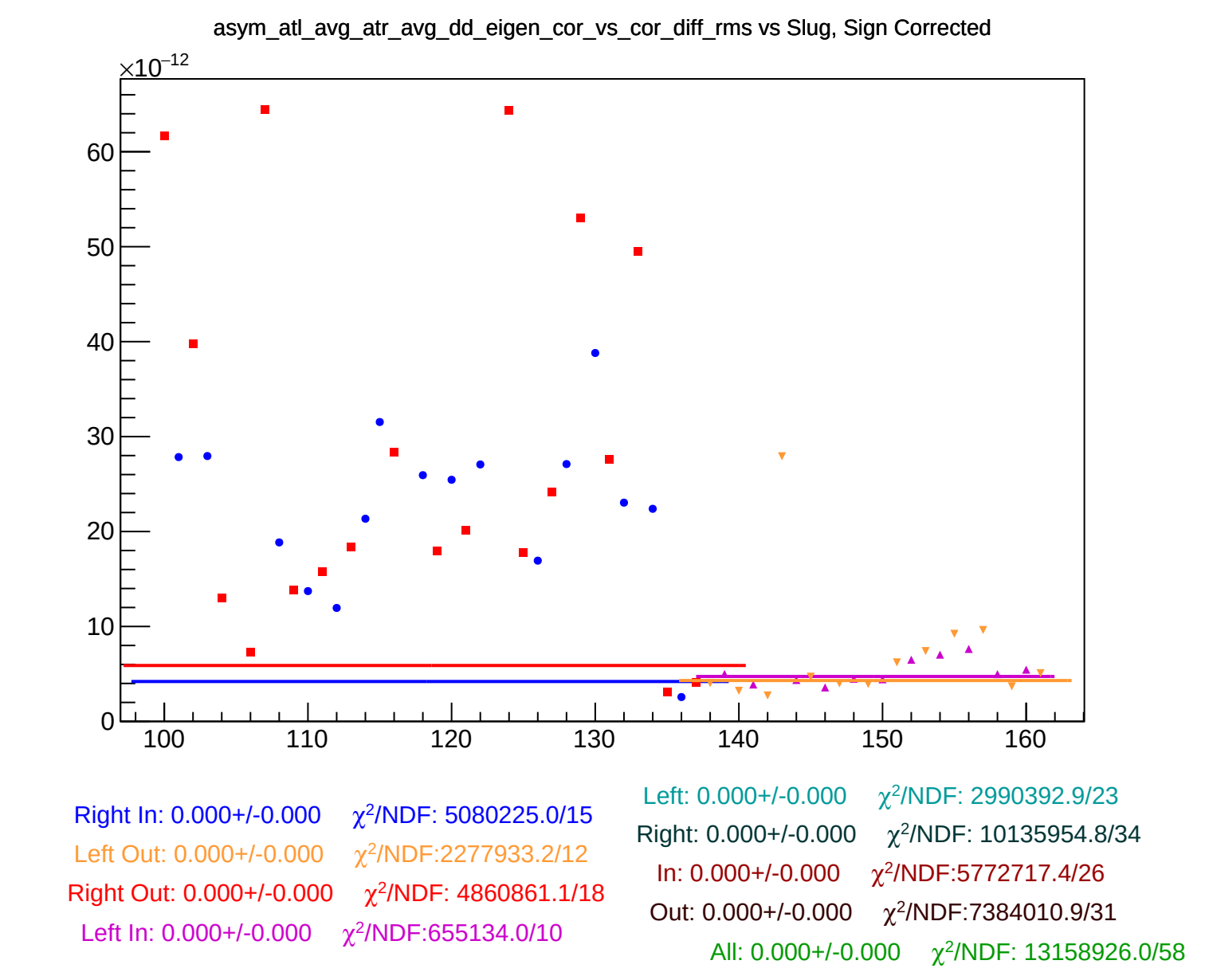
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

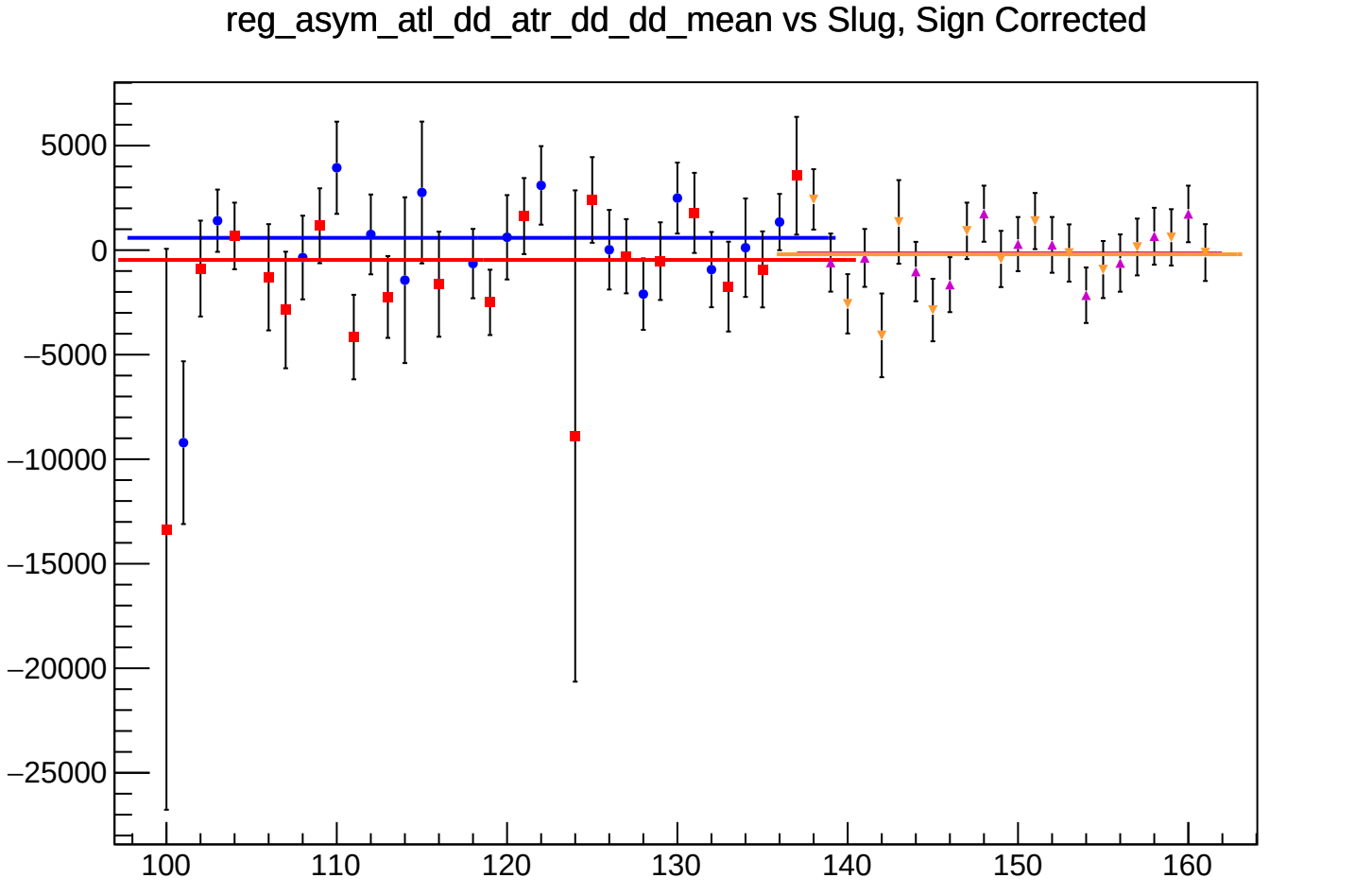
In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.632+/-0.007 χ^2/NDF:5515323.7/31

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.8/10
Left: 0.000+/-0.000 χ²/NDF: 27.4/23
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:25.7/26
Out: -0.000+/-0.000 χ²/NDF:56.1/31
All: -0.000+/-0.000 χ²/NDF: 82.0/58


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2277933.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:655134.0/10
Left: 0.000+/-0.000 χ²/NDF: 2990392.9/23
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5772717.4/26
Out: 0.000+/-0.000 χ²/NDF:7384010.9/31
All: 0.000+/-0.000 χ²/NDF: 13158926.0/58



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.571+/-398.942 χ^2/NDF:16.5/12

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -155.093+/-407.833 χ^2/NDF:8.7/10

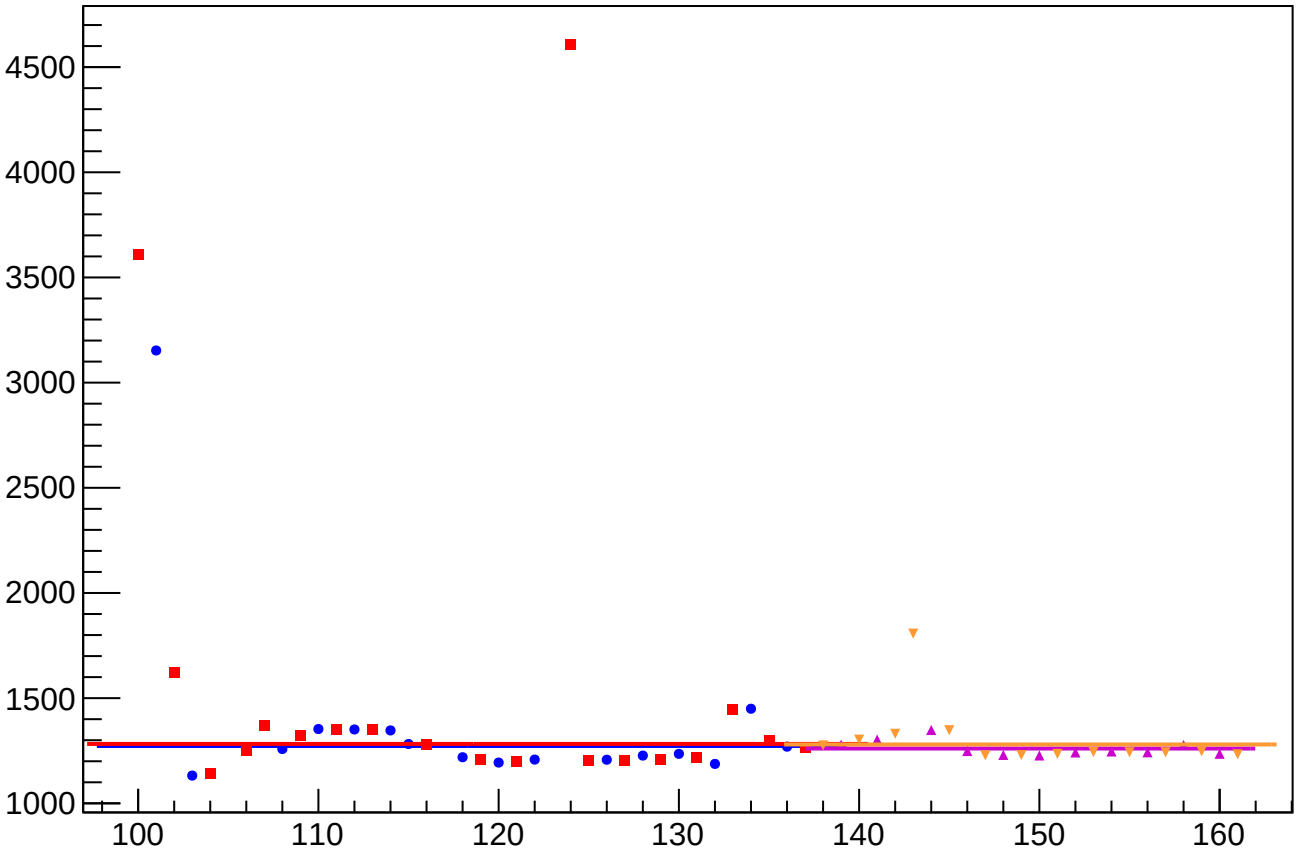
Left: -177.311+/-285.186 χ^2/NDF: 25.2/23

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 154.176+/-311.455 χ^2/NDF:27.2/26

Out: -308.921+/-306.942 χ^2/NDF:33.5/31

All: -80.752+/-218.619 χ^2/NDF: 61.8/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

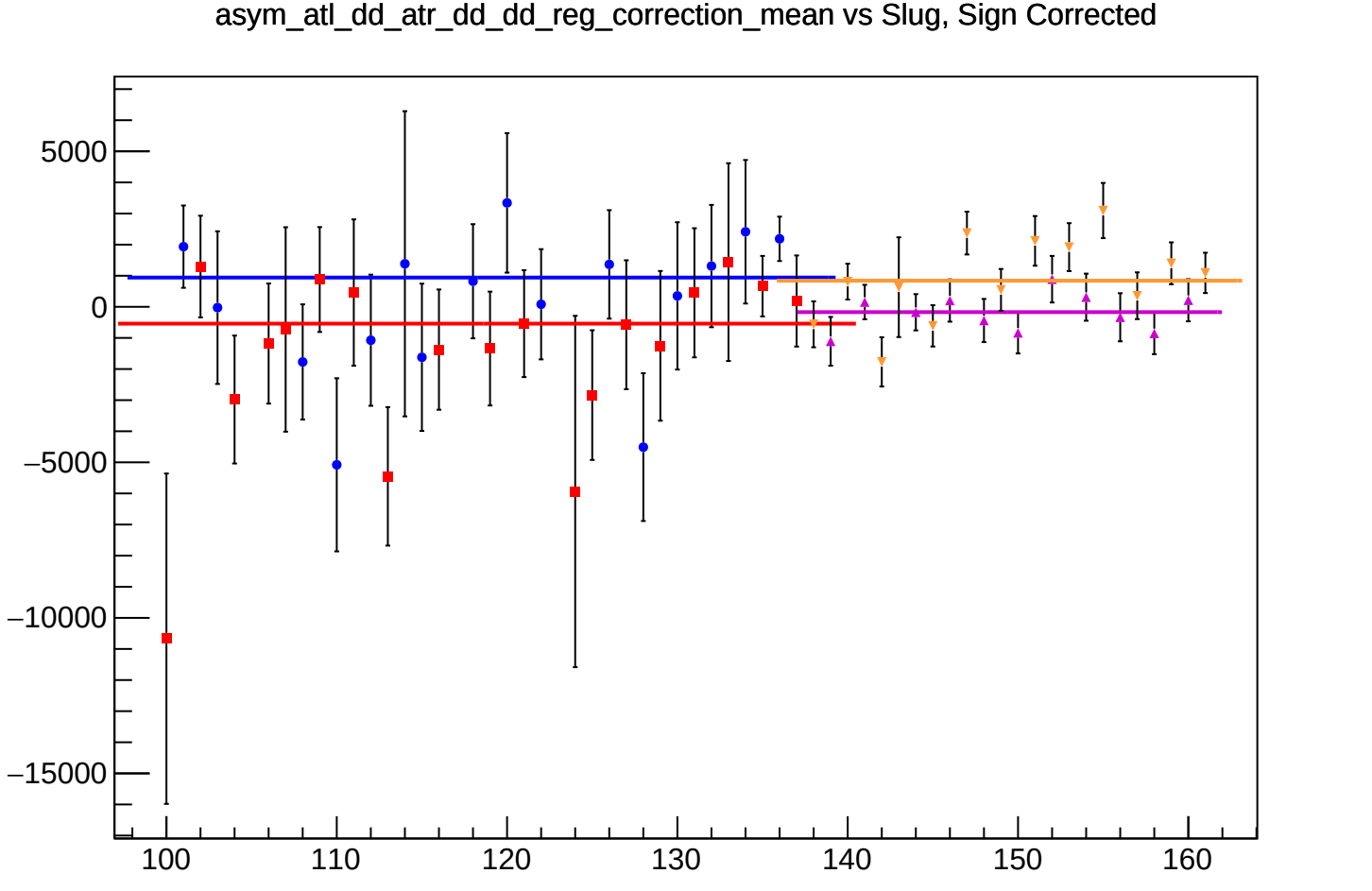
Left: 1270.391+/-0.202 χ^2/NDF: 177331.2/23

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1265.619+/-0.220 χ^2/NDF:534415.8/26

Out: 1280.889+/-0.217 χ^2/NDF:482775.2/31

All: 1273.365+/-0.155 χ^2/NDF: 1019629.7/58



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 841.226+/-202.894 χ^2/NDF:36.7/12

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -170.401+/-204.394 χ^2/NDF:7.0/10

Left: 339.137+/-143.995 χ^2/NDF: 56.0/23

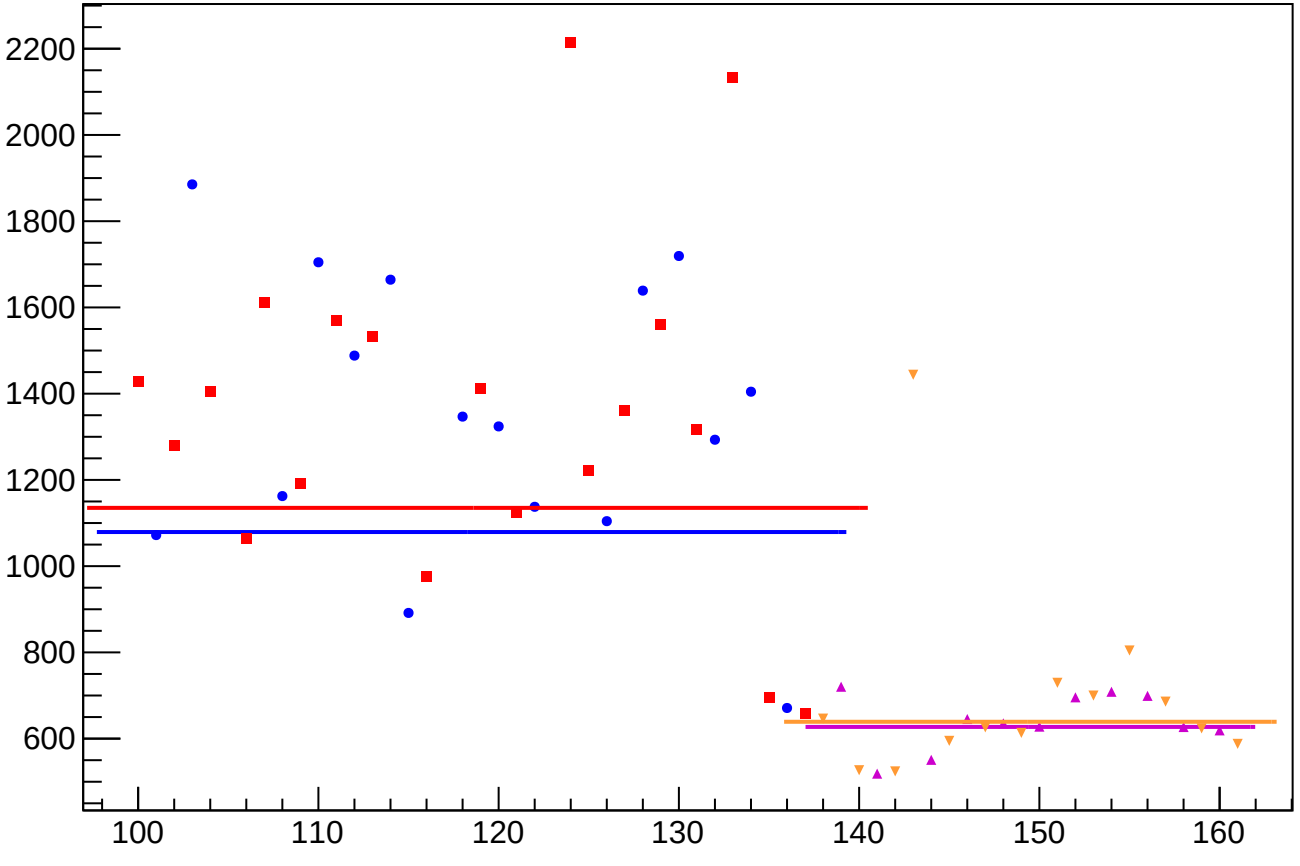
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 37.845+/-184.267 χ^2/NDF:32.5/26

Out: 598.833+/-184.242 χ^2/NDF:62.0/31

All: 318.377+/-130.288 χ^2/NDF: 99.1/58

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: 639.086+/-0.143 χ^2/NDF:763491.9/12

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

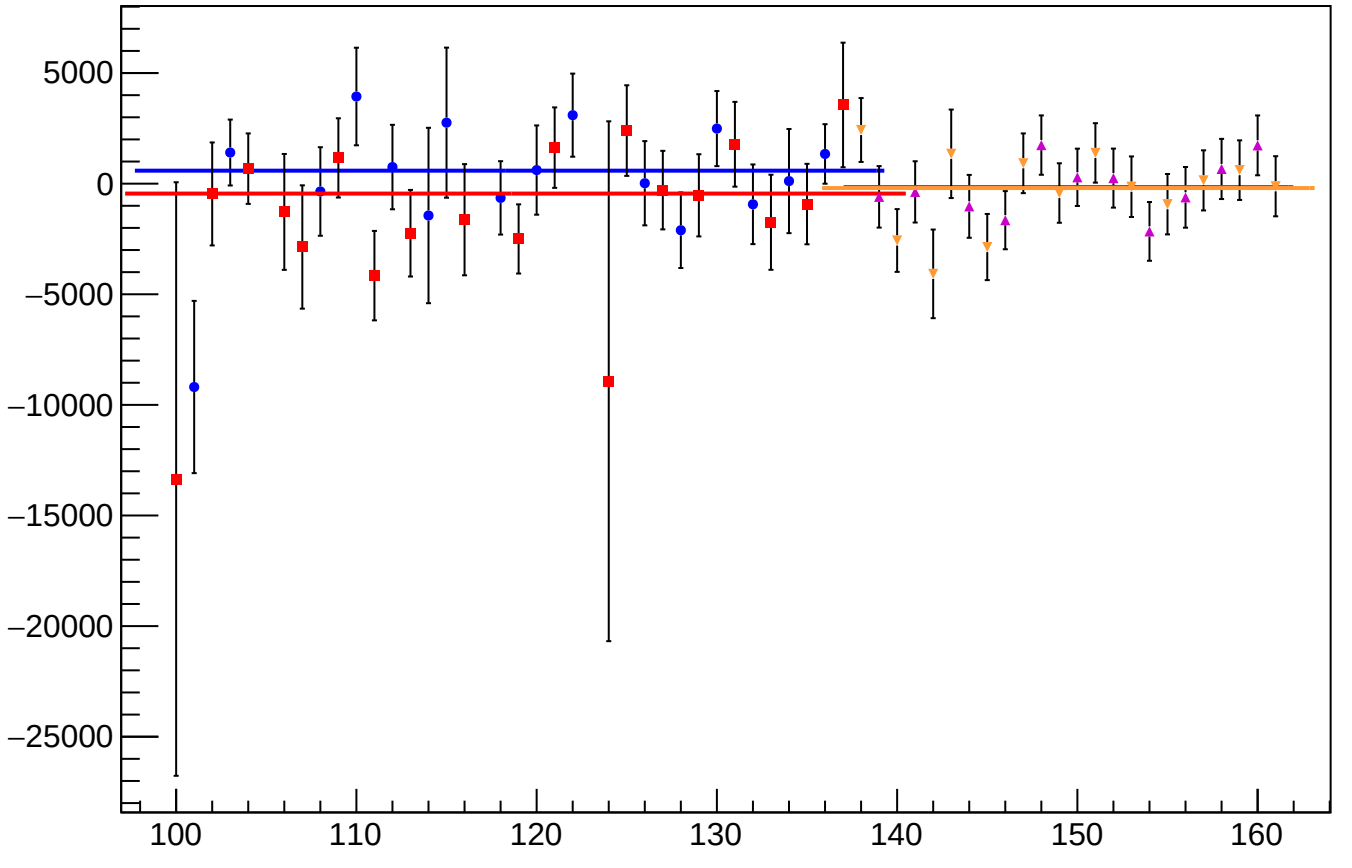
Left: 633.162+/-0.102 χ^2/NDF: 965237.8/23

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 711.779+/-0.130 χ^2/NDF:3511679.5/26

Out: 726.104+/-0.130 χ^2/NDF:4153792.5/31

All: 718.943+/-0.092 χ^2/NDF: 7671515.6/58



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -155.064+/-407.833 χ^2/NDF:8.7/10

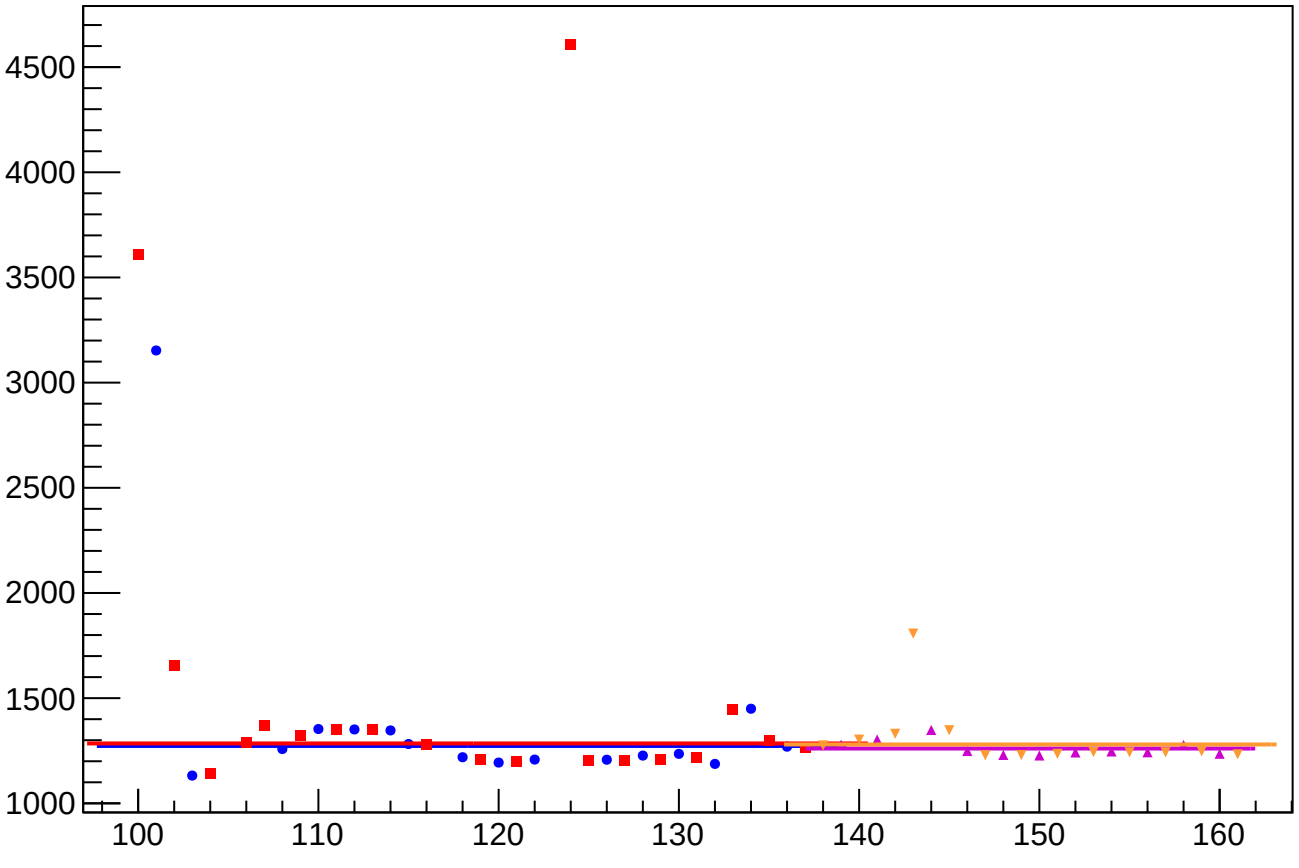
Left: -177.356+/-285.186 χ^2/NDF: 25.2/23

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -300.379+/-307.155 χ^2/NDF:33.4/31

All: -76.187+/-218.696 χ^2/NDF: 61.6/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

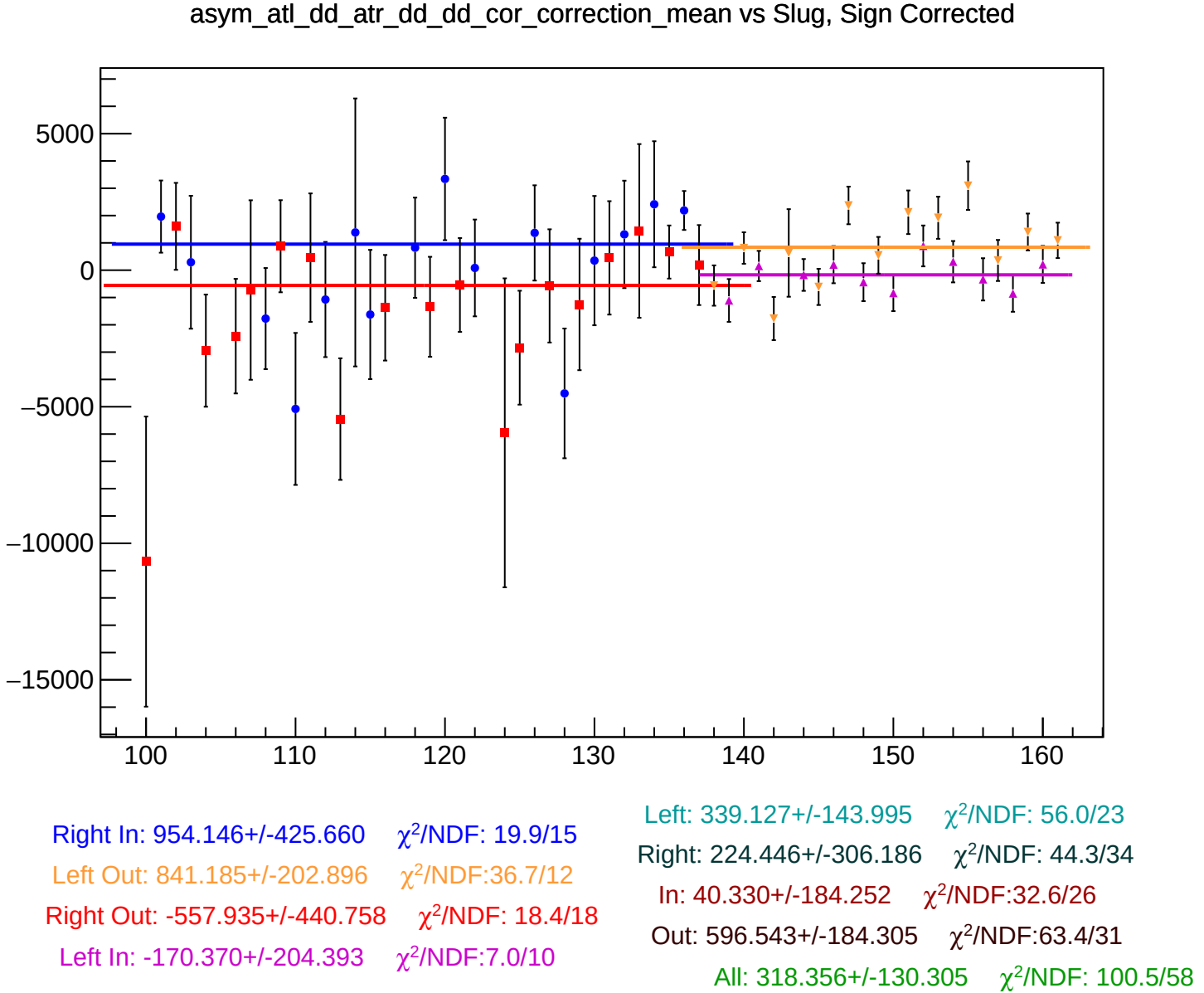
Left: 1270.392+/-0.202 χ^2/NDF: 177331.2/23

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

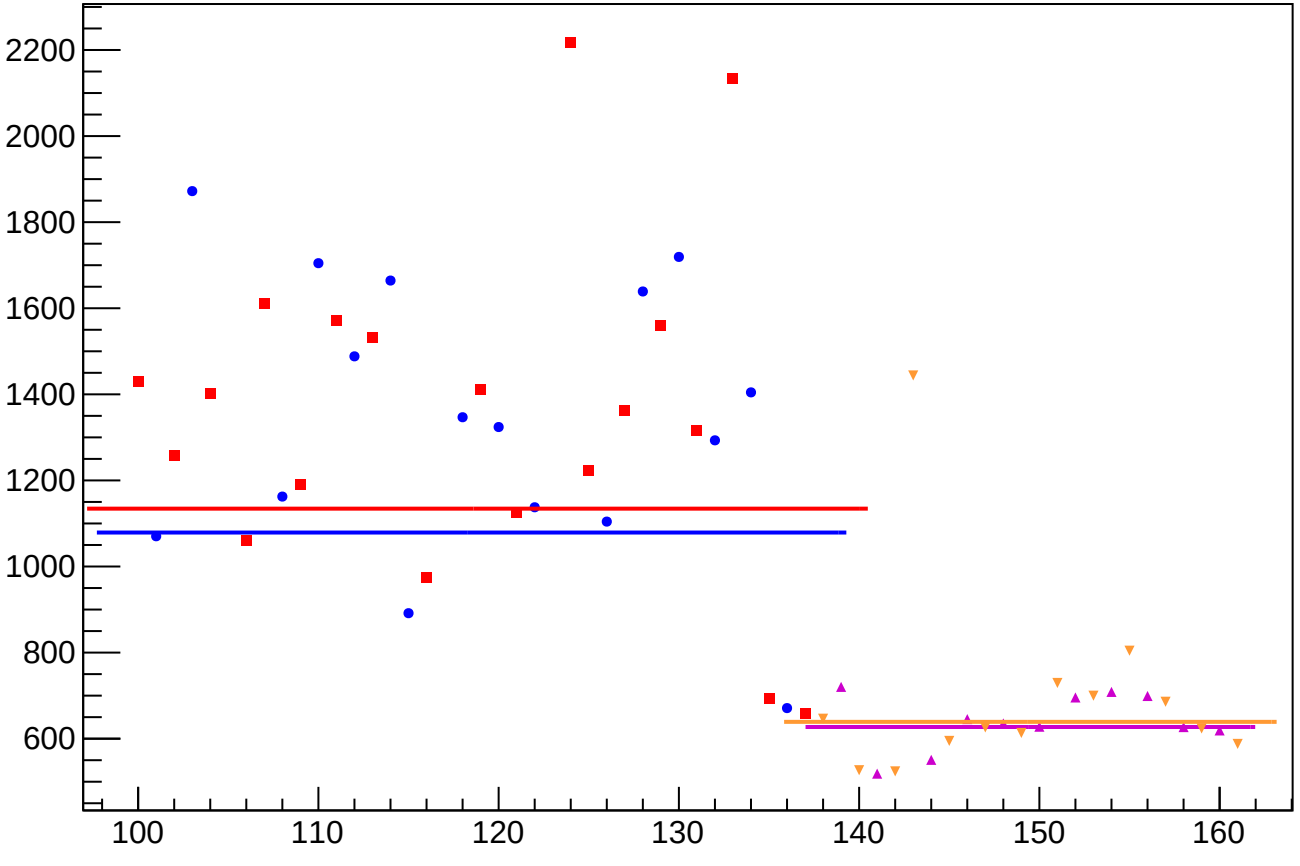
In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1281.819+/-0.217 χ^2/NDF:489516.7/31

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 841.185+/-202.896 χ²/NDF:36.7/12
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -170.370+/-204.393 χ²/NDF:7.0/10
Left: 339.127+/-143.995 χ²/NDF: 56.0/23
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 40.330+/-184.252 χ²/NDF:32.6/26
Out: 596.543+/-184.305 χ²/NDF:63.4/31
All: 318.356+/-130.305 χ²/NDF: 100.5/58

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

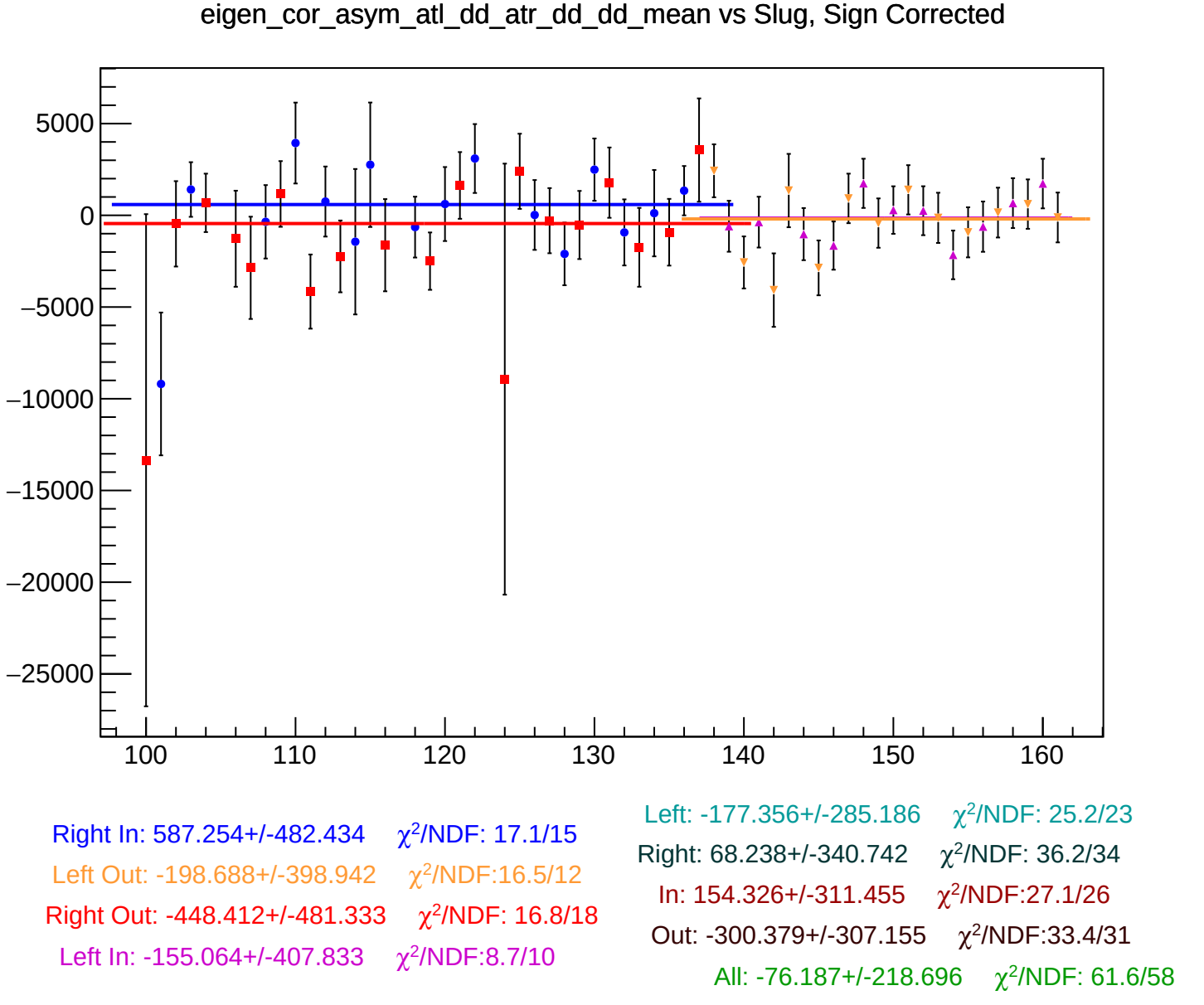
Left: 633.163+/-0.102 χ^2/NDF: 965181.7/23

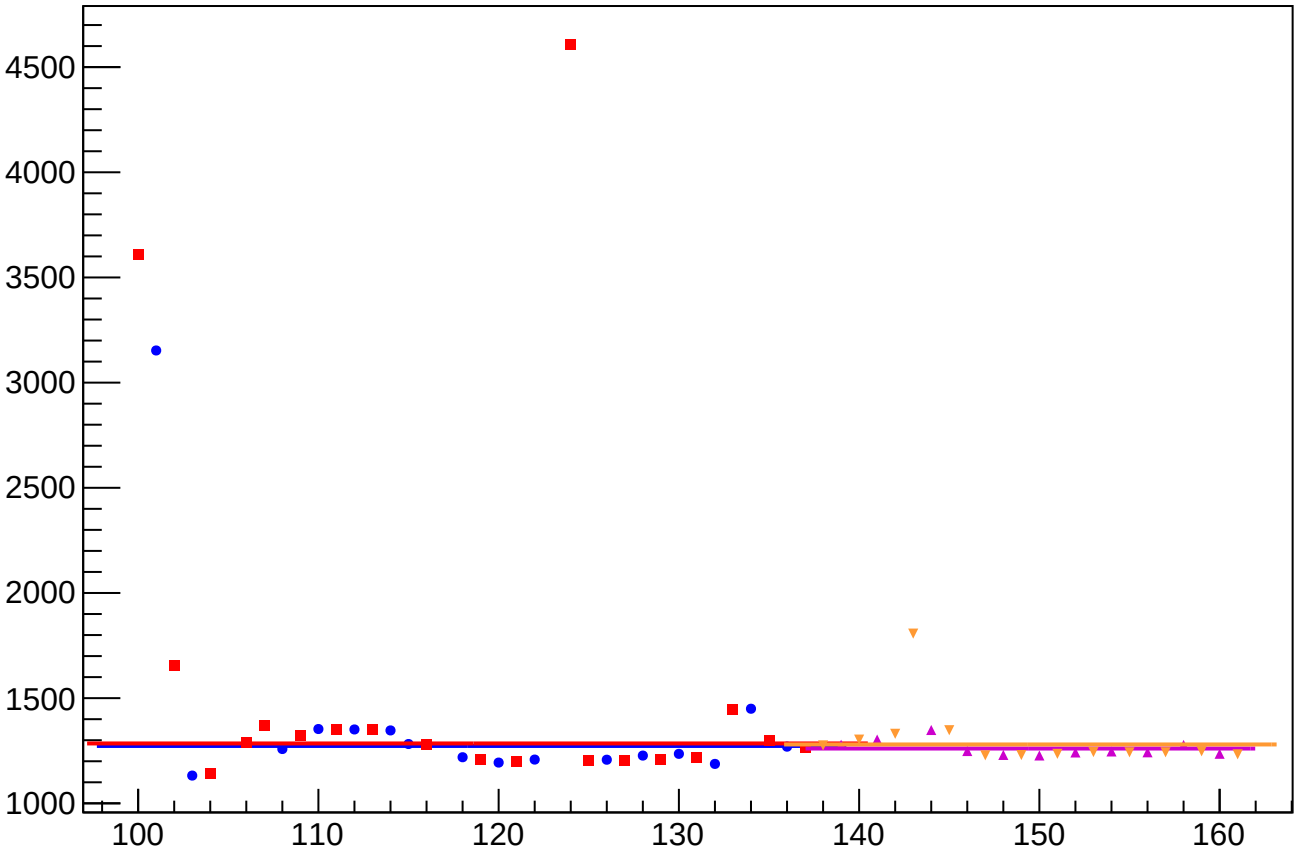
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 725.702+/-0.130 χ^2/NDF:4136615.5/31

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -198.688+/-398.942 χ²/NDF:16.5/12
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -155.064+/-407.833 χ²/NDF:8.7/10
Left: -177.356+/-285.186 χ²/NDF: 25.2/23
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 154.326+/-311.455 χ²/NDF:27.1/26
Out: -300.379+/-307.155 χ²/NDF:33.4/31
All: -76.187+/-218.696 χ²/NDF: 61.6/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

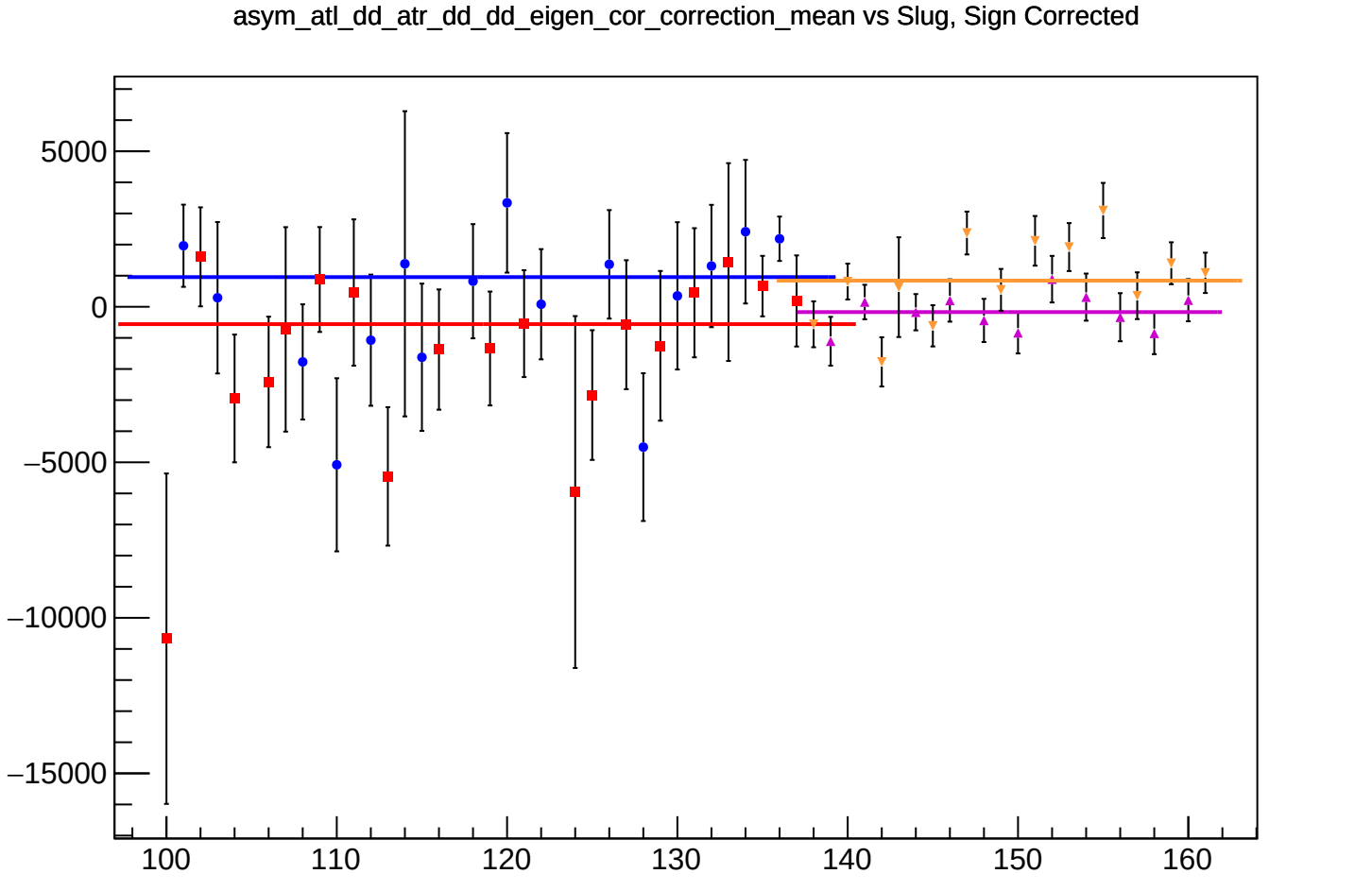
Left: 1270.392+/-0.202 χ^2/NDF: 177331.2/23

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1281.819+/-0.217 χ^2/NDF:489516.7/31

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 339.127+/-143.995 χ^2/NDF: 56.0/23

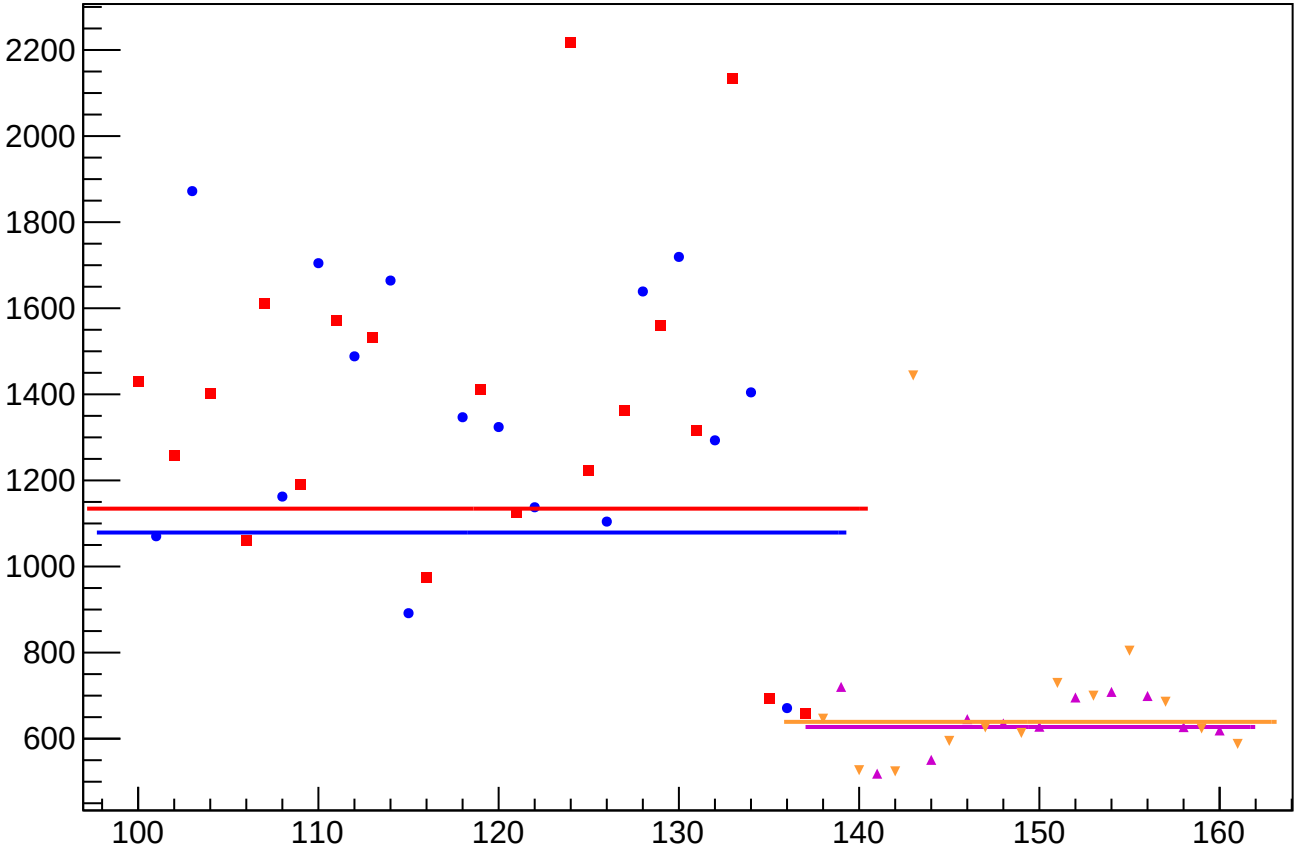
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 596.543+/-184.305 χ^2/NDF:63.4/31

All: 318.356+/-130.305 χ^2/NDF: 100.5/58

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

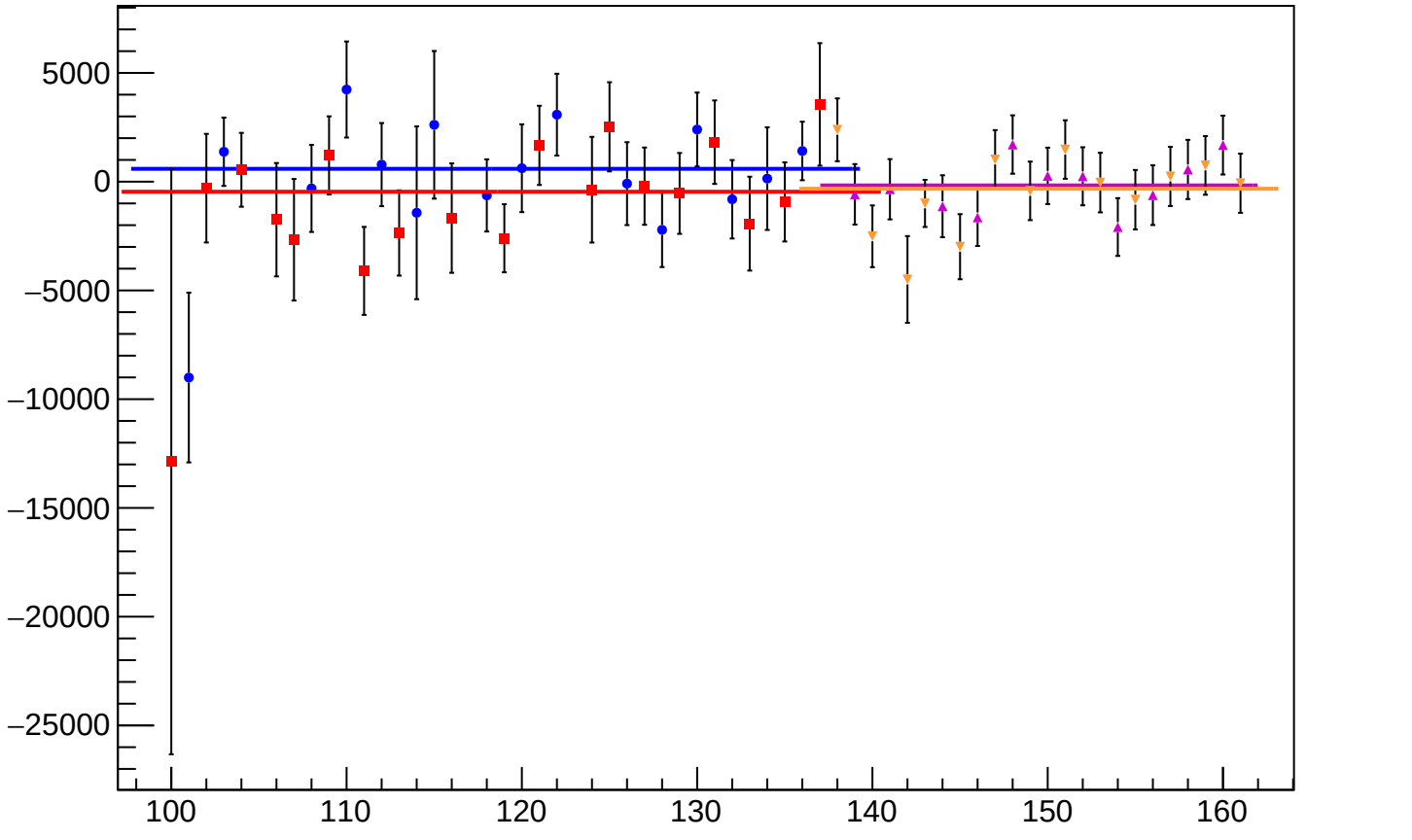
Left: 633.163+/-0.102 χ^2/NDF: 965181.7/23

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 725.702+/-0.130 χ^2/NDF:4136615.5/31

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.689+/-381.343 χ^2/NDF:17.6/12

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -172.339+/-408.184 χ^2/NDF:8.3/10

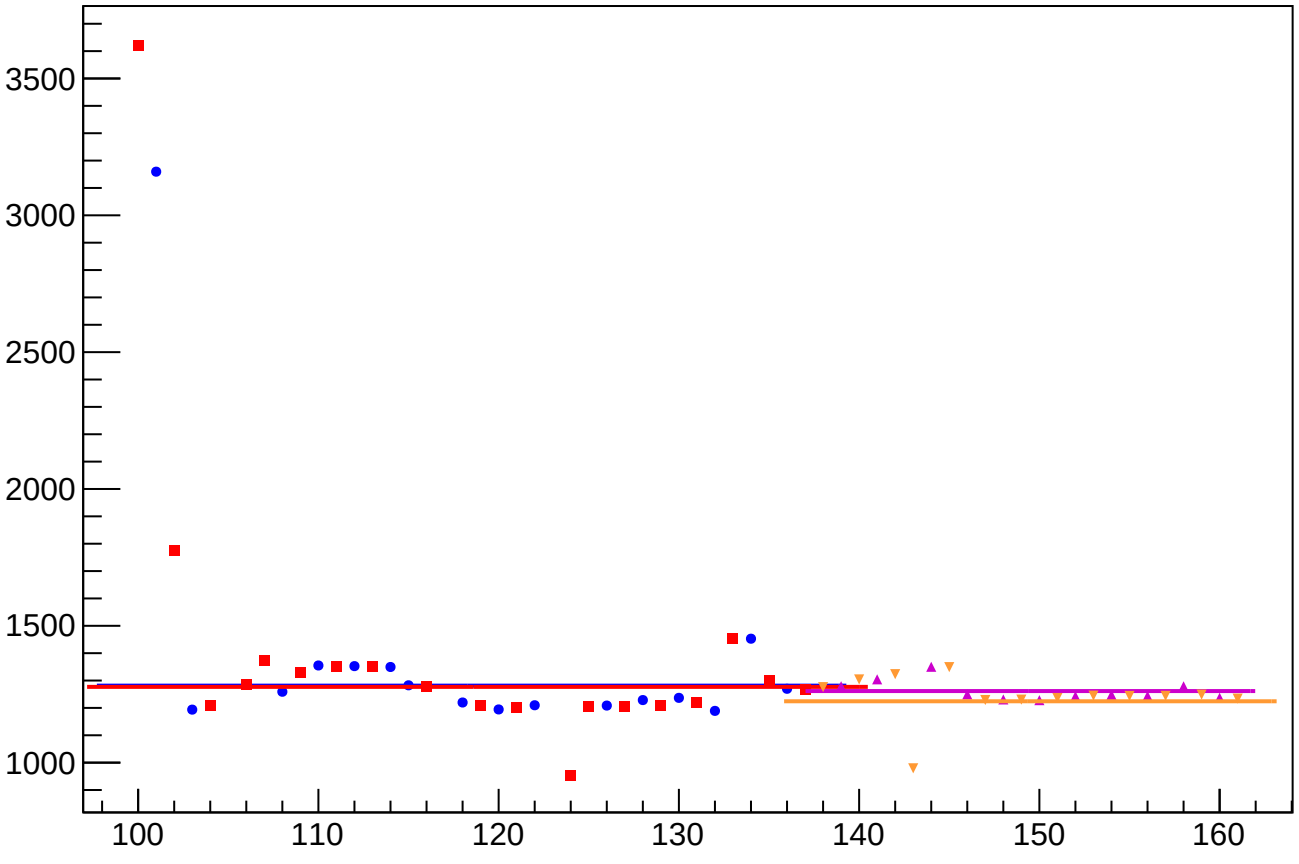
Left: -254.221+/-278.657 χ^2/NDF: 26.0/23

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 143.515+/-312.429 χ^2/NDF:26.9/26

Out: -379.104+/-297.807 χ^2/NDF:34.4/31

All: -130.310+/-215.565 χ^2/NDF: 62.7/58



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1224.209+/-0.270 χ^2/NDF:132136.8/12

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

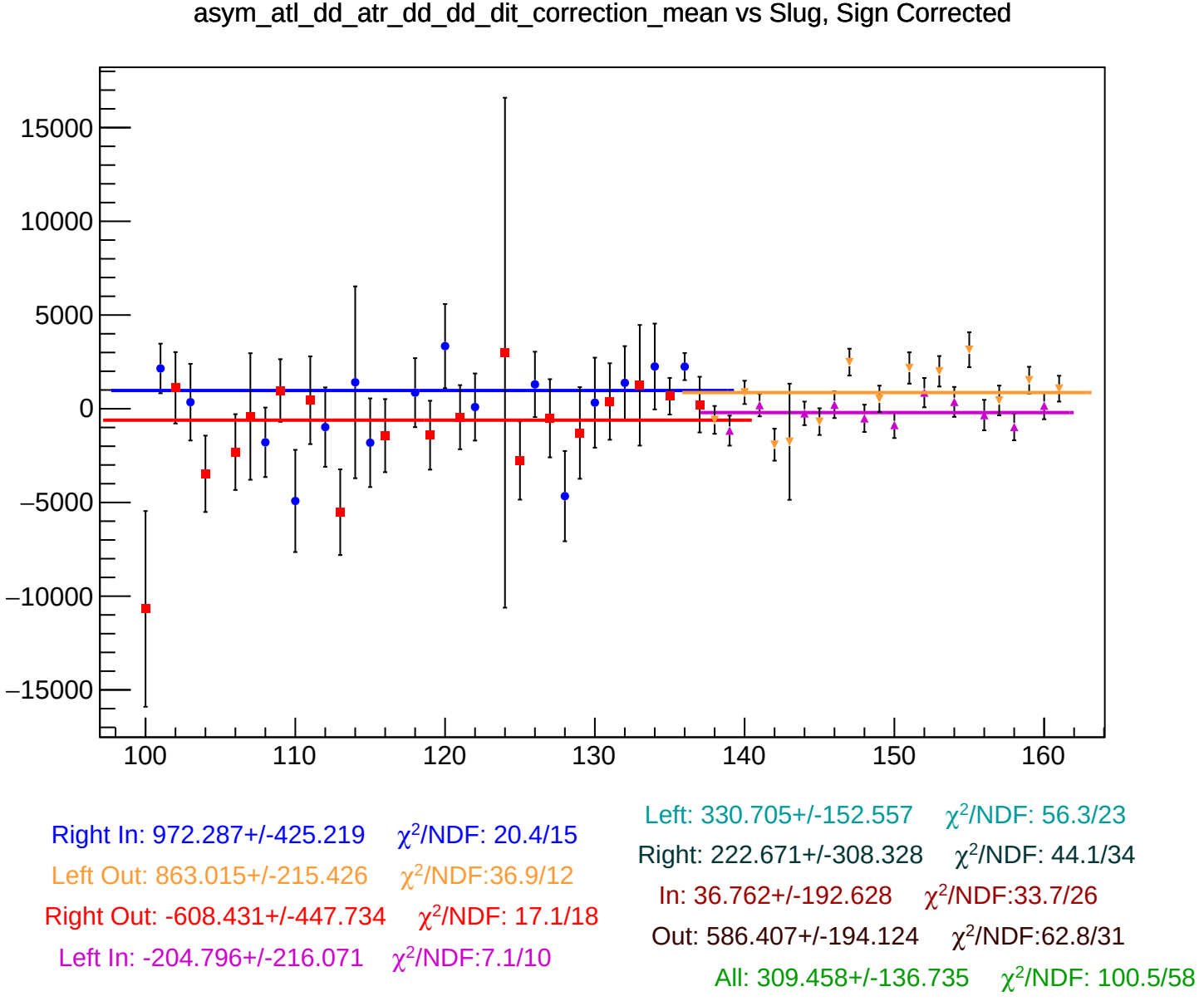
Left: 1241.619+/-0.197 χ^2/NDF: 155539.9/23

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

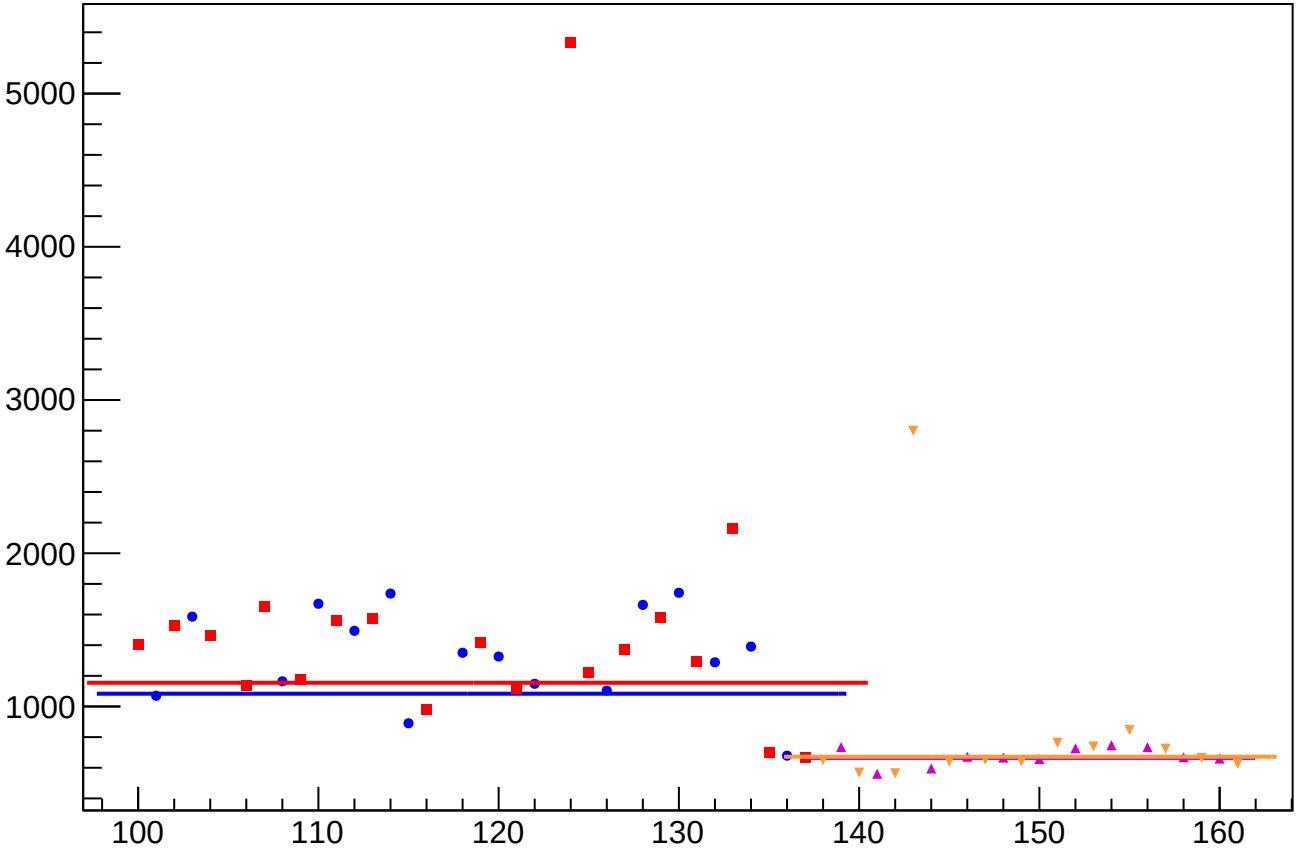
In: 1269.767+/-0.221 χ^2/NDF:523486.7/26

Out: 1244.750+/-0.211 χ^2/NDF:367524.1/31

All: 1256.659+/-0.152 χ^2/NDF: 897729.5/58


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 863.015+/-215.426 χ²/NDF:36.9/12
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -204.796+/-216.071 χ²/NDF:7.1/10
Left: 330.705+/-152.557 χ²/NDF: 56.3/23
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 36.762+/-192.628 χ²/NDF:33.7/26
Out: 586.407+/-194.124 χ²/NDF:62.8/31
All: 309.458+/-136.735 χ²/NDF: 100.5/58

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: 671.977+/-0.152 χ^2/NDF:1166412.2/12

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

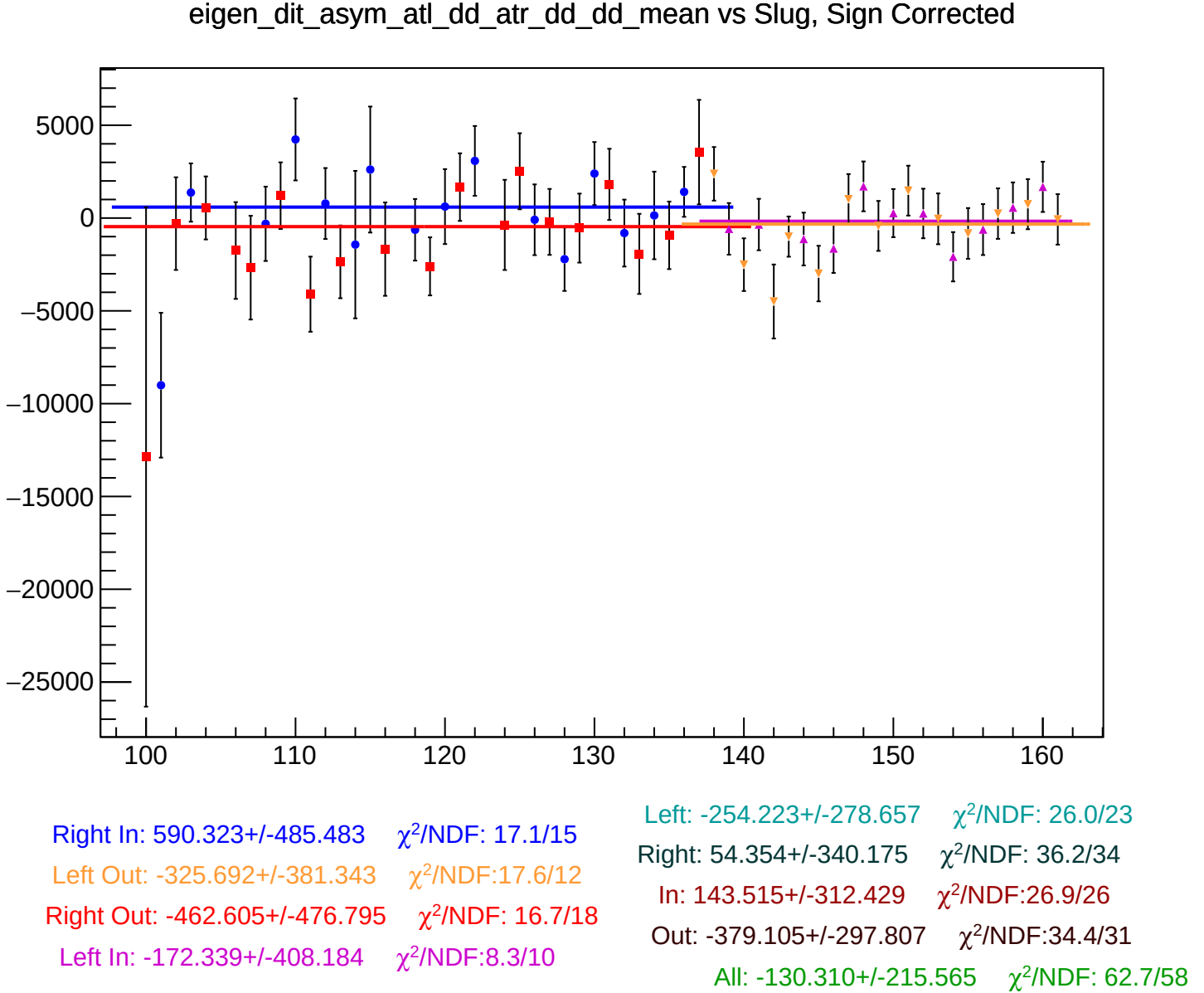
Left: 668.011+/-0.108 χ^2/NDF: 1316799.2/23

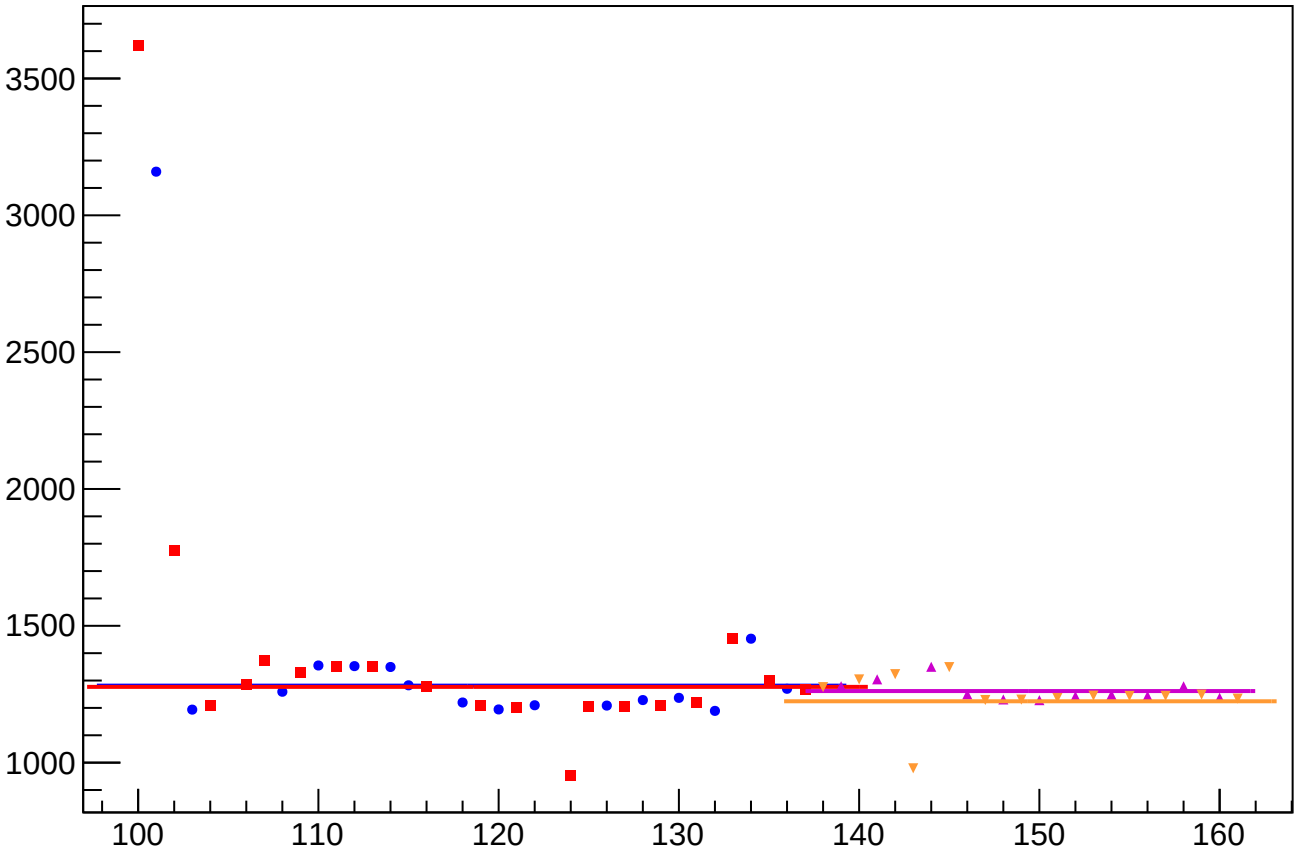
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 750.072+/-0.136 χ^2/NDF:3054894.9/26

Out: 762.726+/-0.137 χ^2/NDF:4542682.9/31

All: 756.350+/-0.097 χ^2/NDF: 7601859.2/58


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -325.692+/-381.343 χ²/NDF:17.6/12
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -172.339+/-408.184 χ²/NDF:8.3/10
Left: -254.223+/-278.657 χ²/NDF: 26.0/23
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 143.515+/-312.429 χ²/NDF:26.9/26
Out: -379.105+/-297.807 χ²/NDF:34.4/31
All: -130.310+/-215.565 χ²/NDF: 62.7/58



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1224.210+/-0.270 χ^2/NDF:132136.1/12

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

Left: 1241.619+/-0.197 χ^2/NDF: 155539.1/23

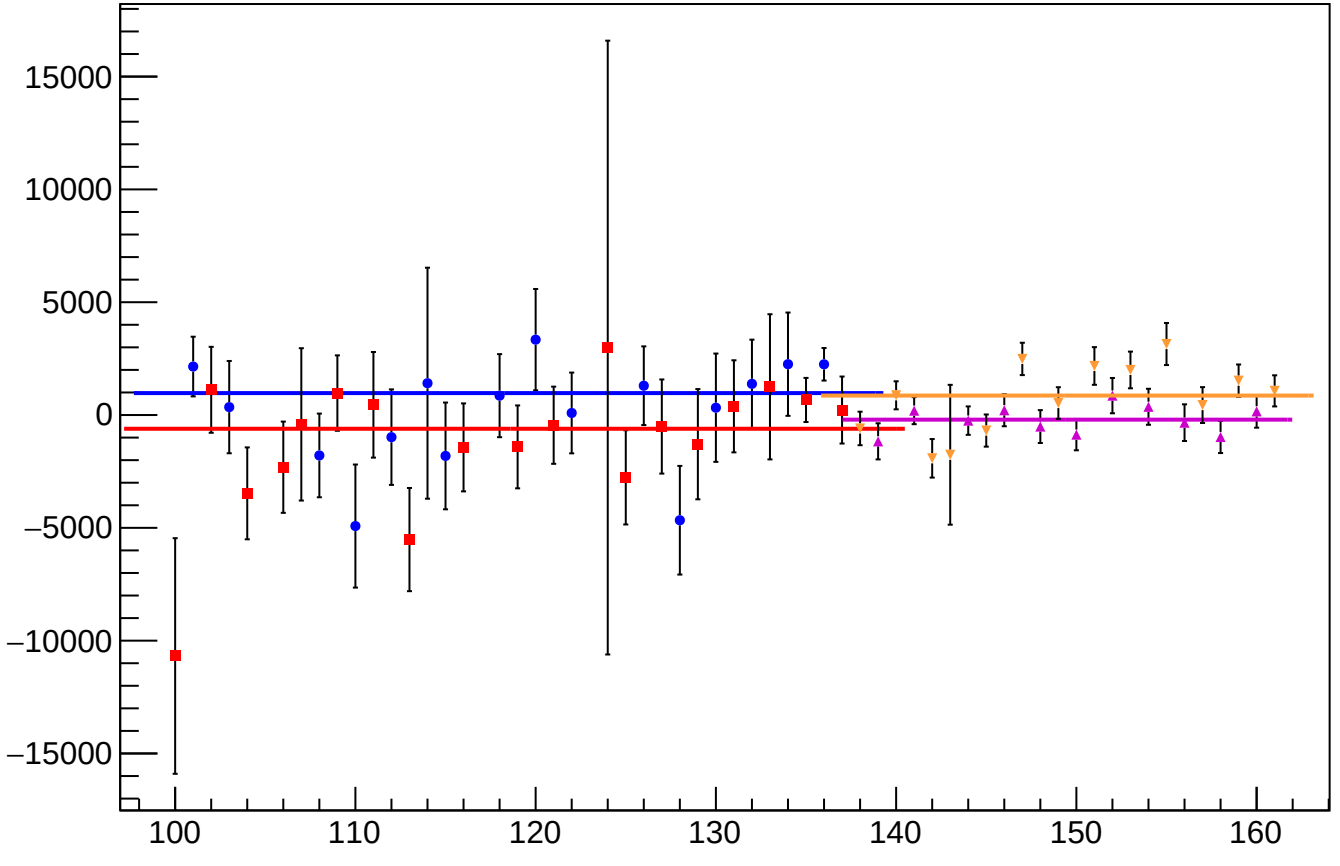
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.9/26

Out: 1244.750+/-0.211 χ^2/NDF:367523.1/31

All: 1256.659+/-0.152 χ^2/NDF: 897728.6/58

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: 863.018+/-215.426 χ^2/NDF:36.9/12

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -204.795+/-216.071 χ^2/NDF:7.1/10

Left: 330.707+/-152.557 χ^2/NDF: 56.3/23

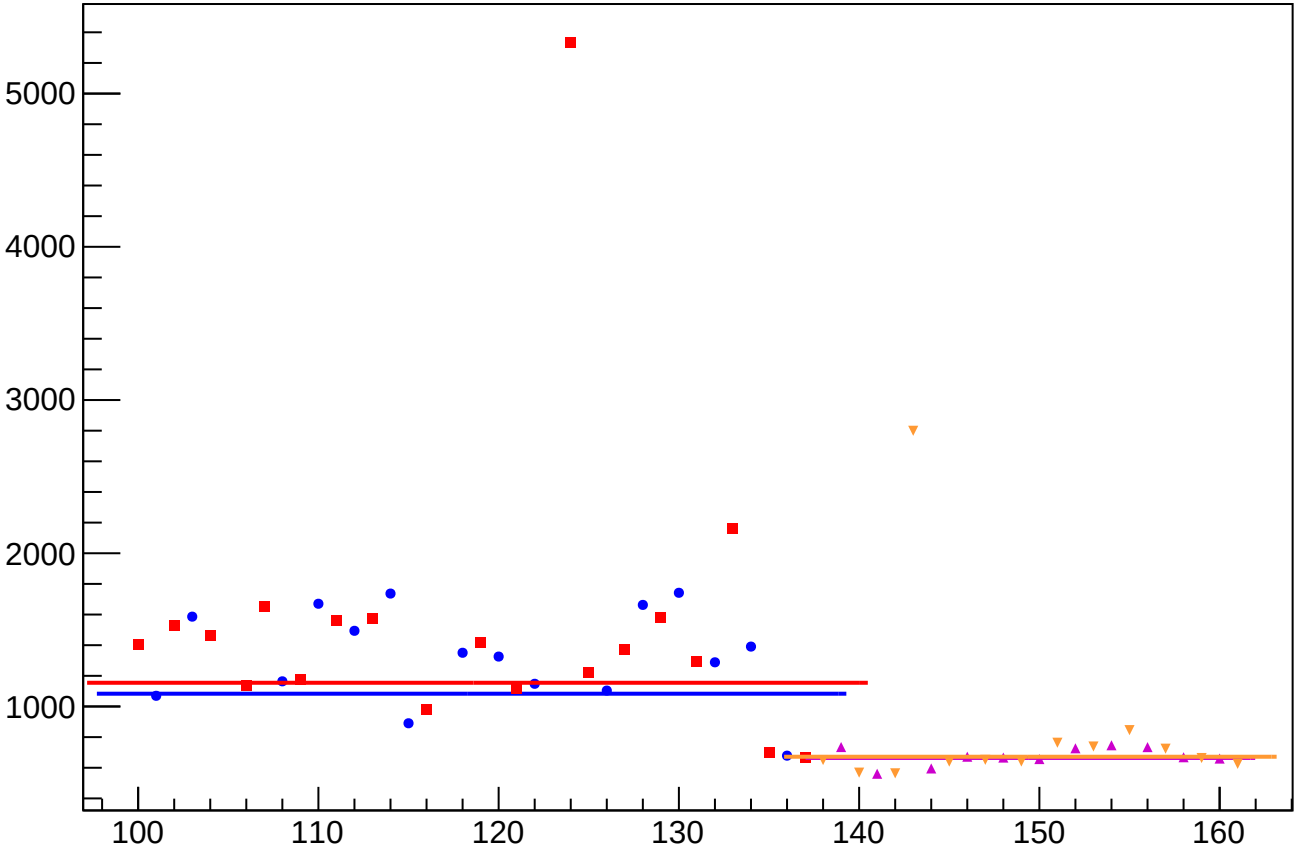
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 36.761+/-192.628 χ^2/NDF:33.7/26

Out: 586.409+/-194.125 χ^2/NDF:62.8/31

All: 309.459+/-136.735 χ^2/NDF: 100.5/58

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: 671.978+/-0.152 χ^2/NDF:1166406.3/12

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

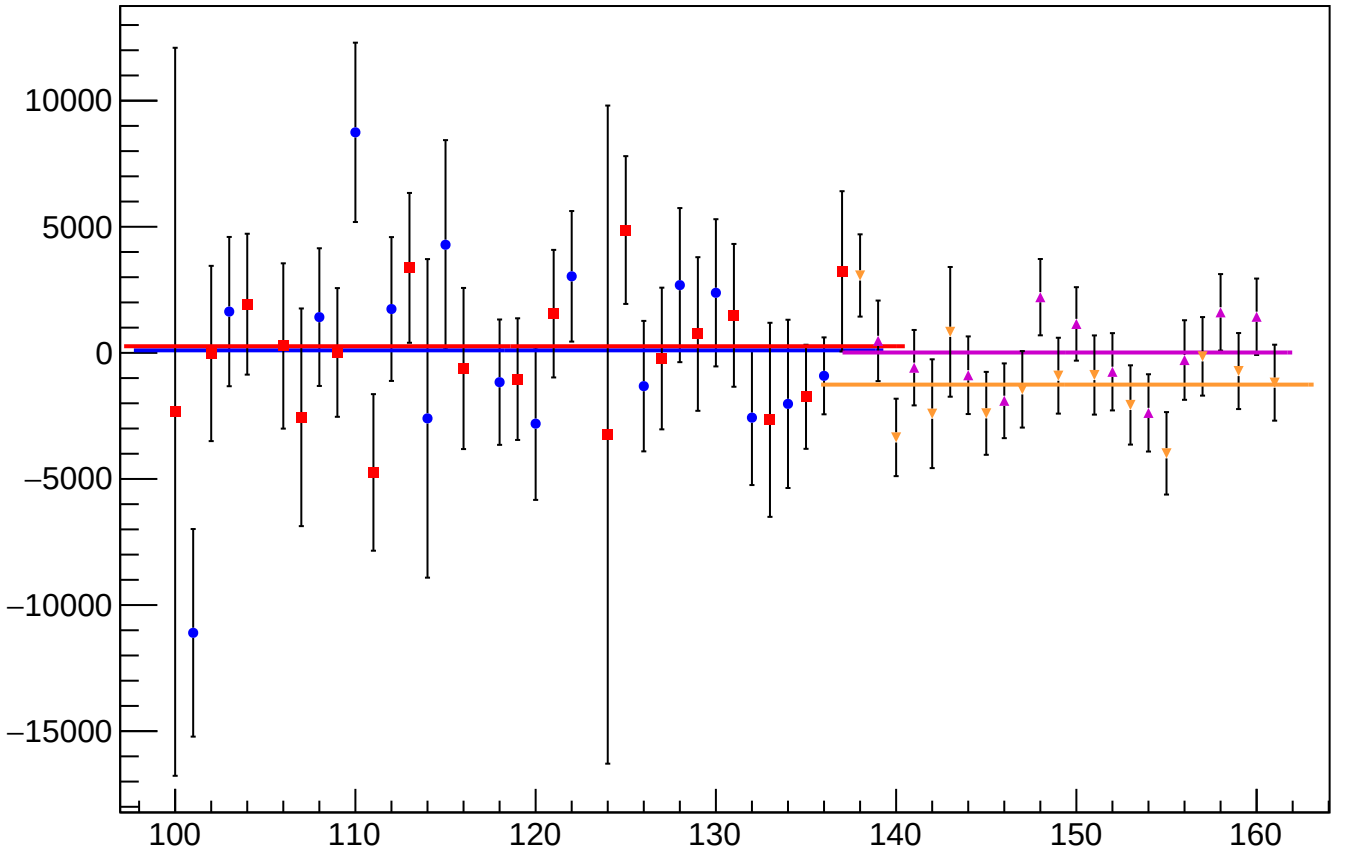
Left: 668.012+/-0.108 χ^2/NDF: 1316795.6/23

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 750.074+/-0.136 χ^2/NDF:3054874.4/26

Out: 762.727+/-0.137 χ^2/NDF:4542658.1/31

All: 756.352+/-0.097 χ^2/NDF: 7601814.3/58



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1258.789+/-452.202 χ^2/NDF:14.1/12

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 14.145+/-458.917 χ^2/NDF:9.7/10

Left: -631.704+/-322.103 χ^2/NDF: 27.7/23

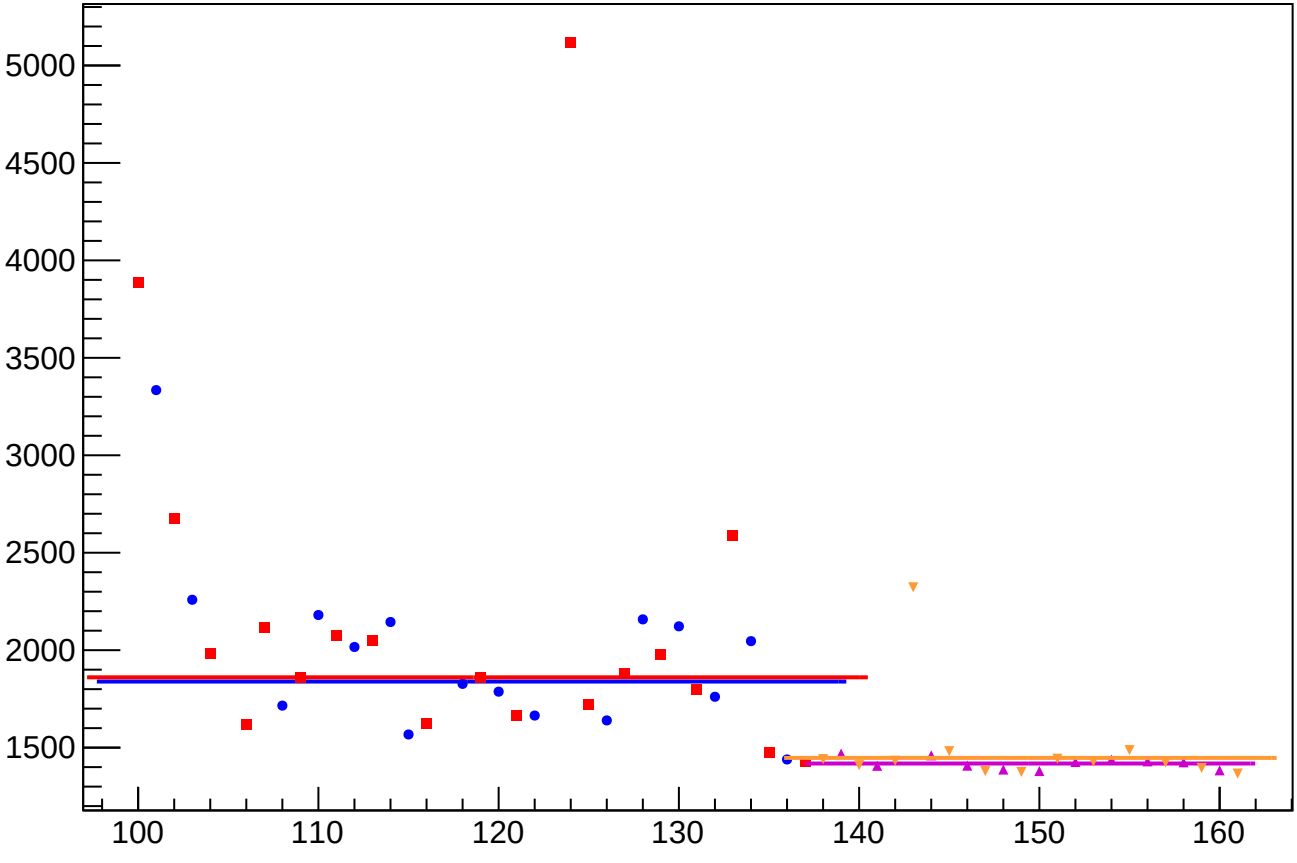
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 40.142+/-383.624 χ^2/NDF:31.0/26

Out: -810.540+/-379.794 χ^2/NDF:27.8/31

All: -389.467+/-269.899 χ^2/NDF: 61.3/58

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: 1447.305+/-0.320 χ^2/NDF:252295.0/12

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

Left: 1433.107+/-0.228 χ^2/NDF: 263876.9/23

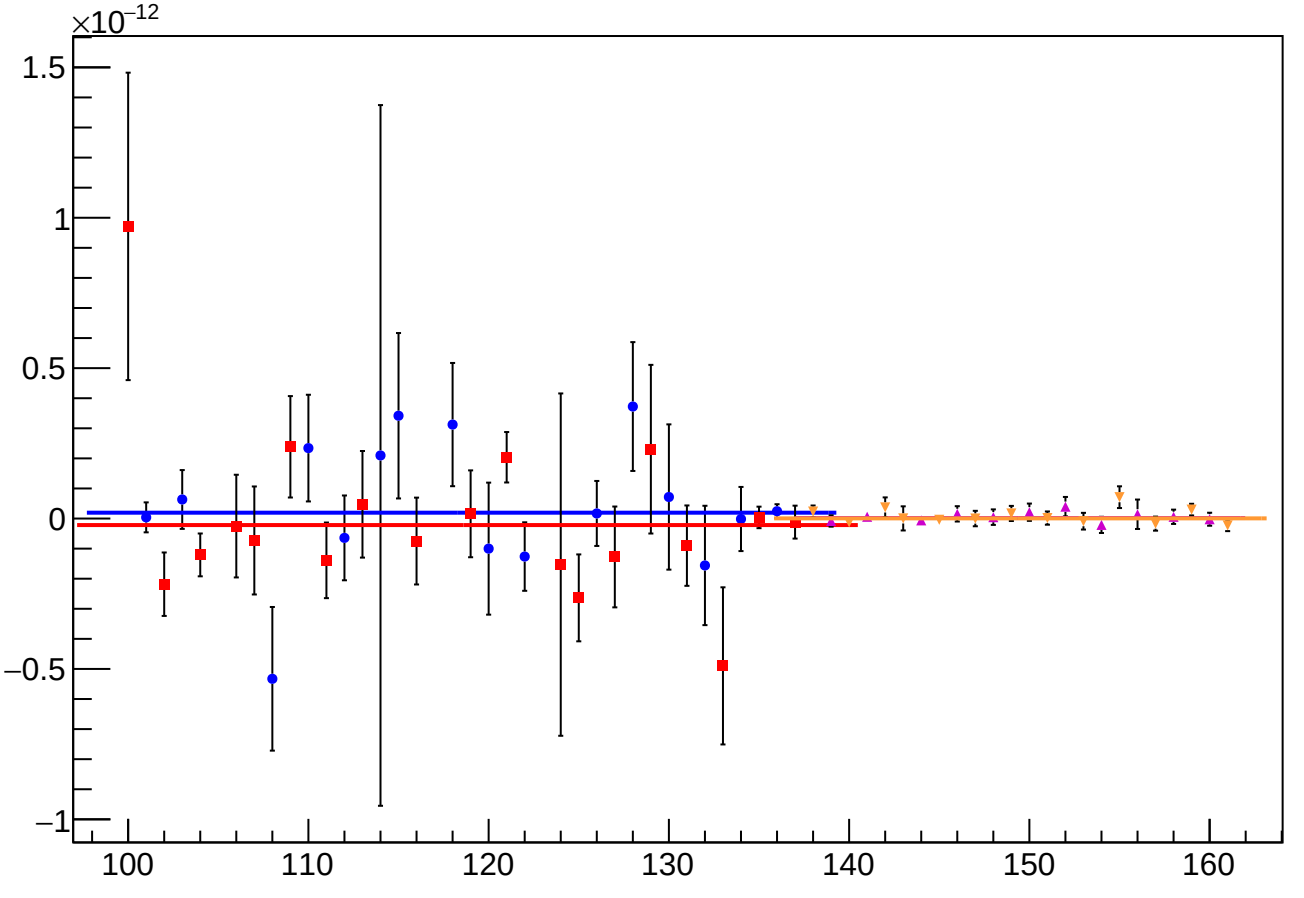
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1545.185+/-0.271 χ^2/NDF:1070408.6/26

Out: 1569.111+/-0.269 χ^2/NDF:1266968.5/31

All: 1557.268+/-0.191 χ^2/NDF: 2341306.2/58

asym_atl_dd_atr_dd_dd_reg_vs_cor_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:12.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/10

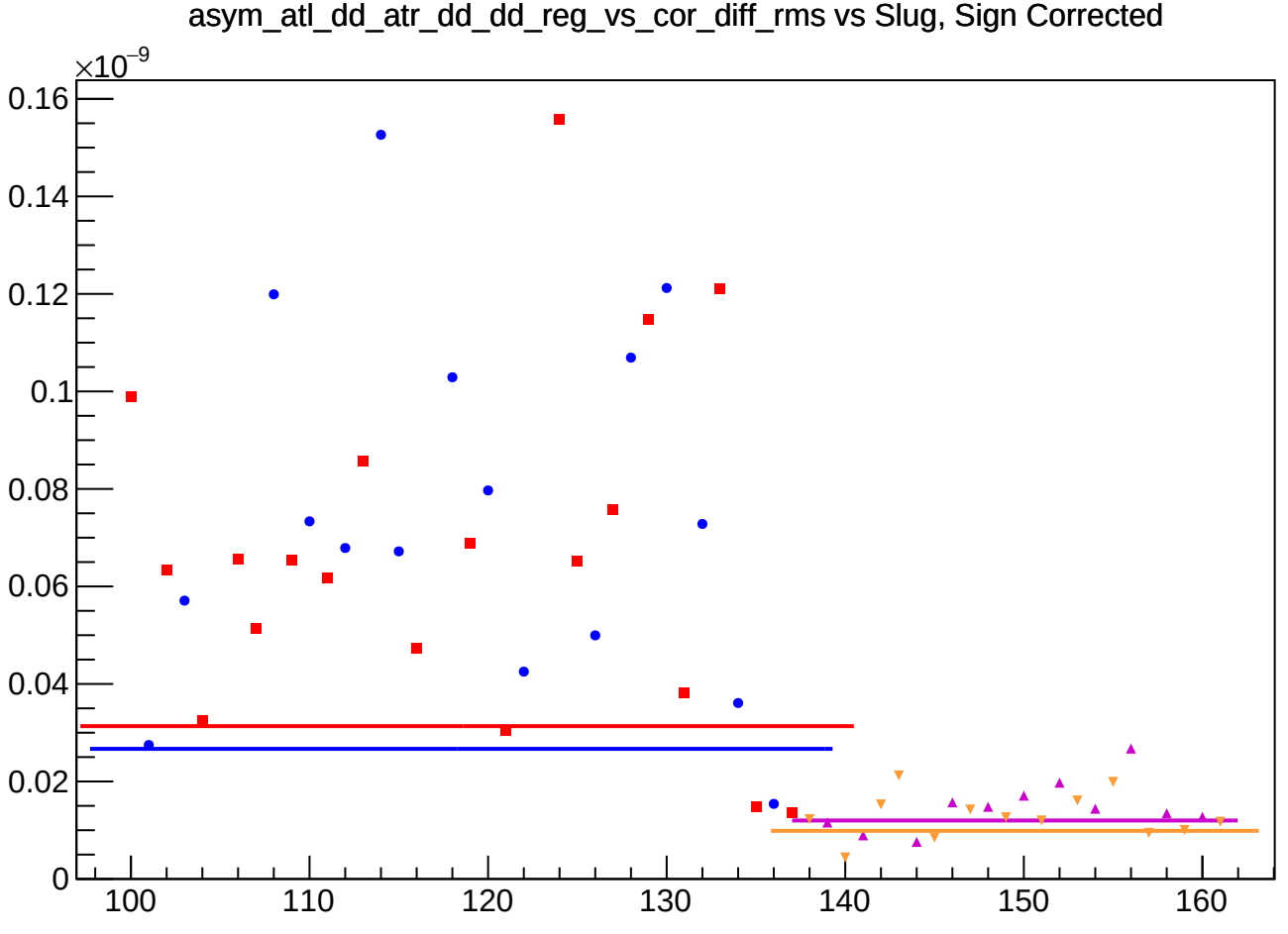
Left: 0.000+/-0.000 χ^2/NDF: 16.4/23

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.9/26

Out: -0.000+/-0.000 χ^2/NDF:41.9/31

All: 0.000+/-0.000 χ^2/NDF: 63.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157845.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2017957.2/23

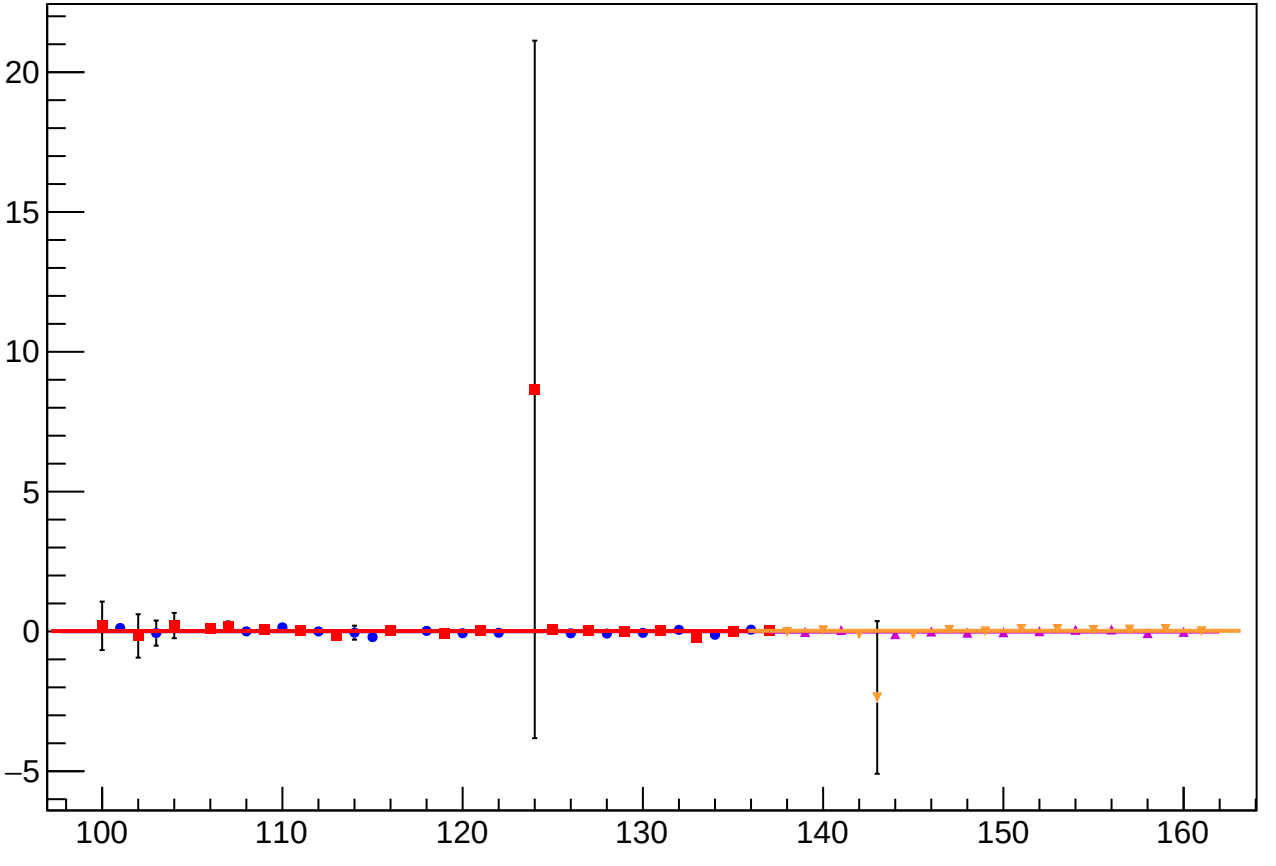
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4408506.1/26

Out: 0.000+/-0.000 χ^2/NDF:5176990.4/31

All: 0.000+/-0.000 χ^2/NDF: 9758628.3/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

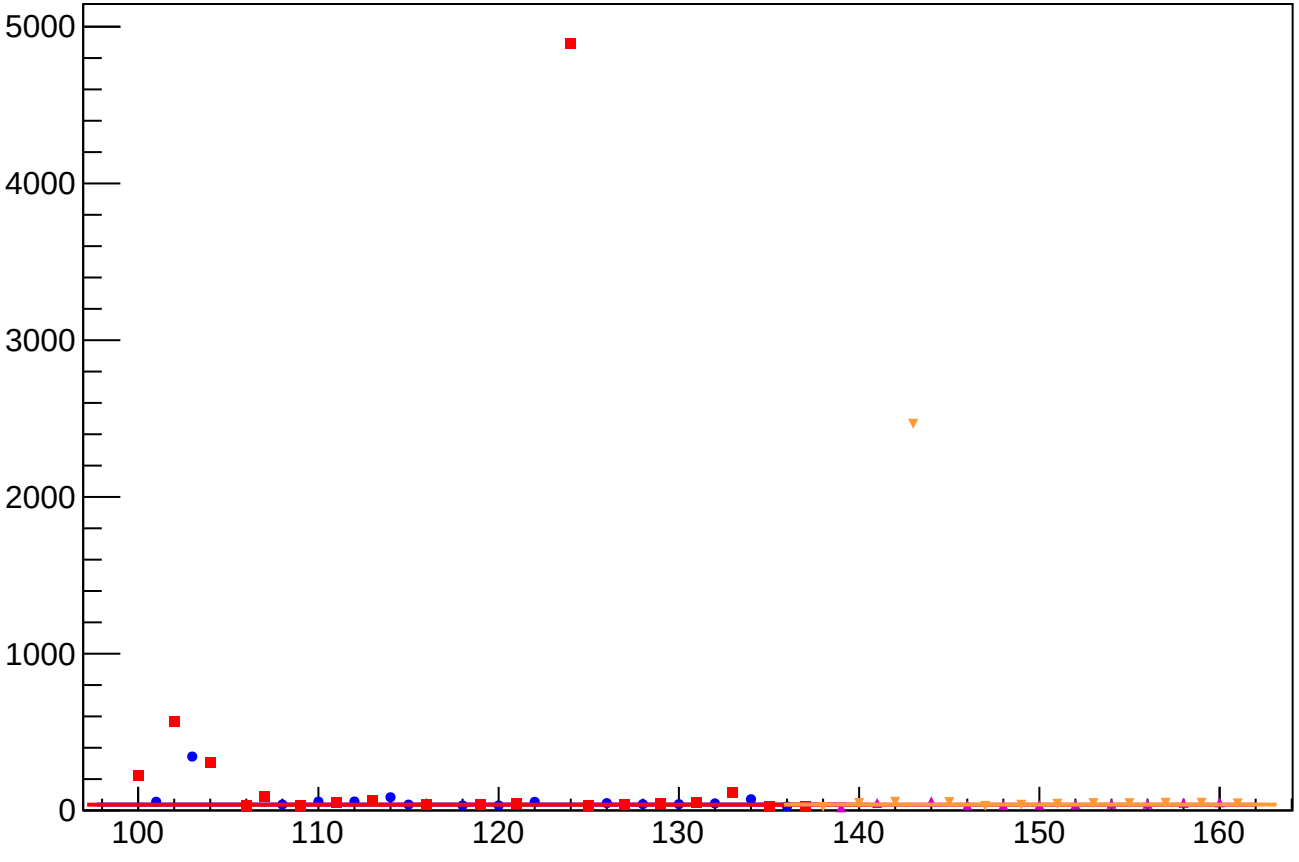
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.787+/-0.009 χ^2/NDF:2910135.9/12

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

Left: 37.069+/-0.007 χ^2/NDF: 4262189.7/23

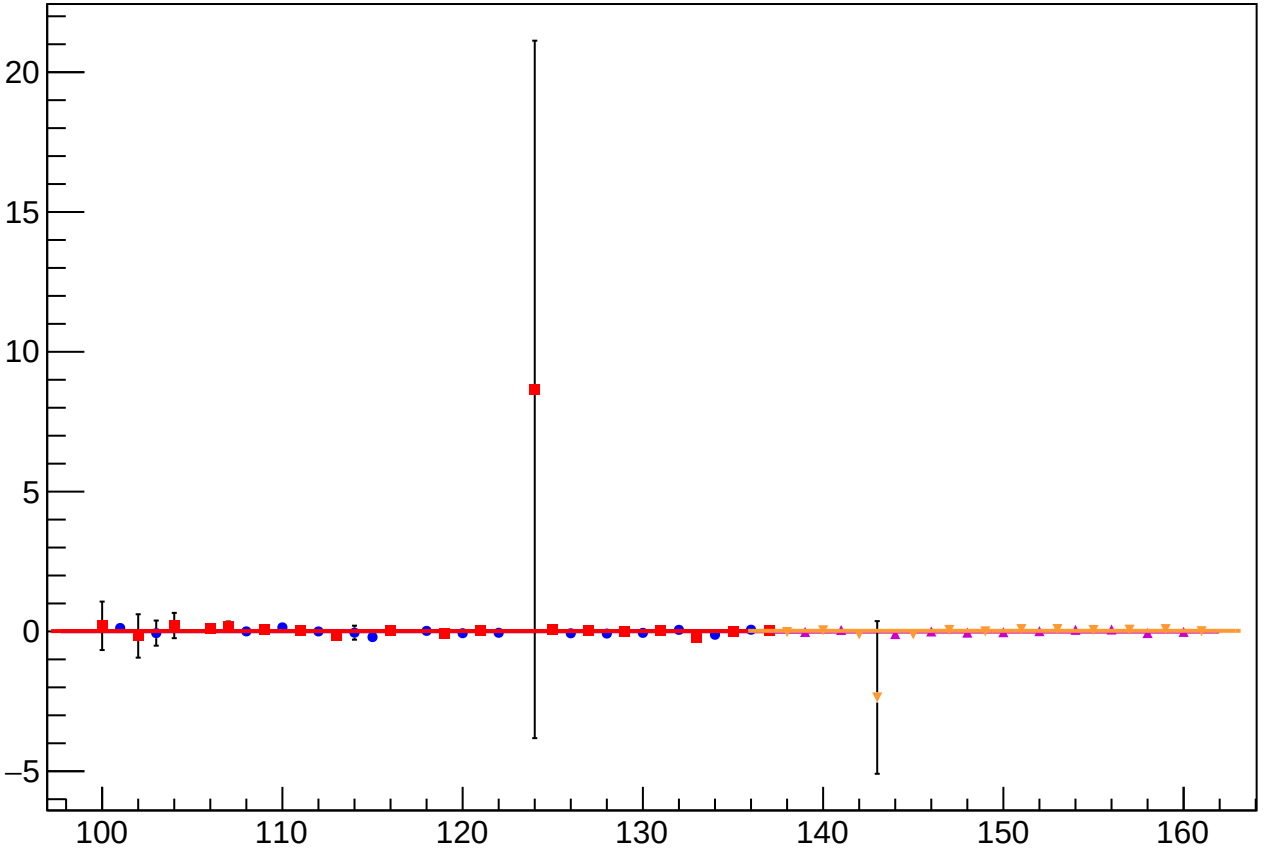
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.386+/-0.007 χ^2/NDF:6105407.5/31

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

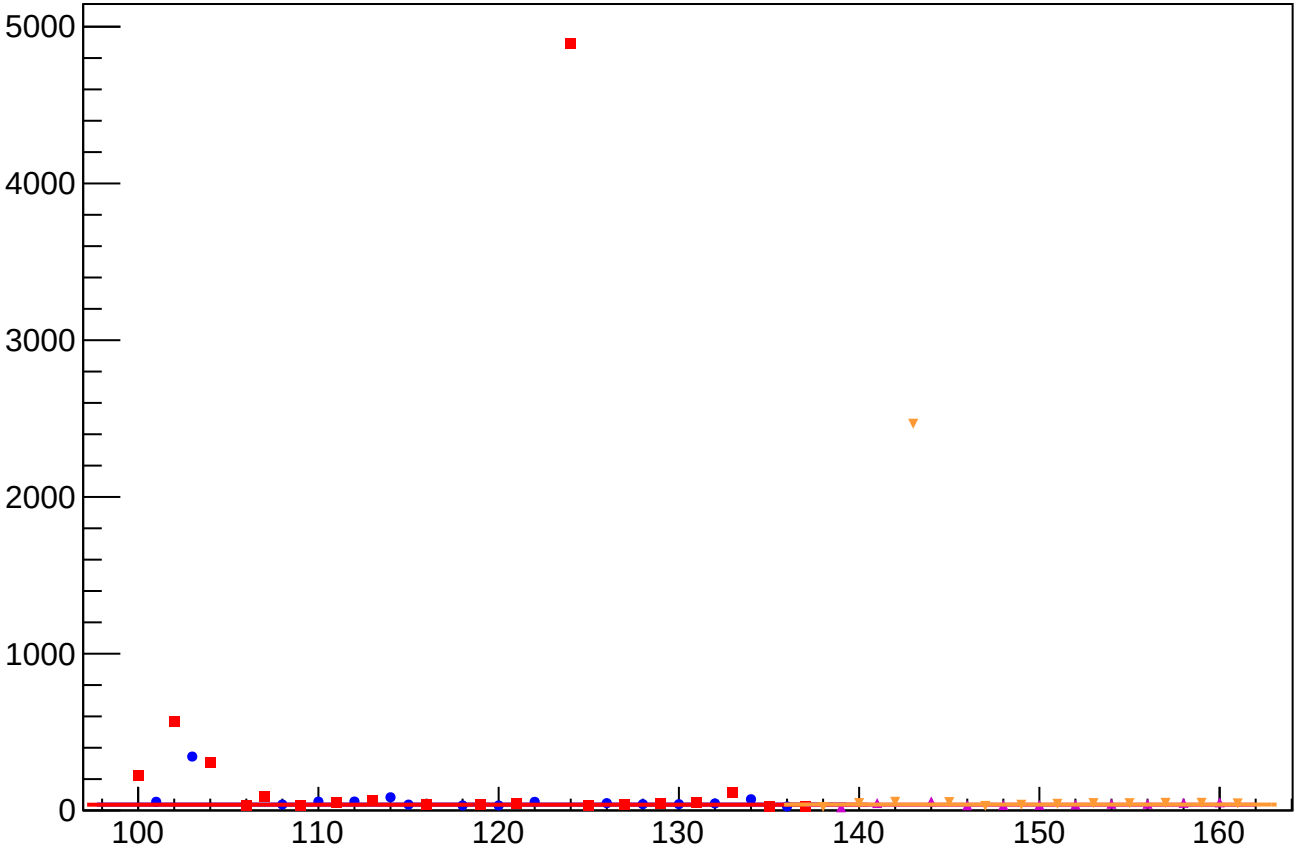
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.787+/-0.009 χ^2/NDF:2910135.9/12

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

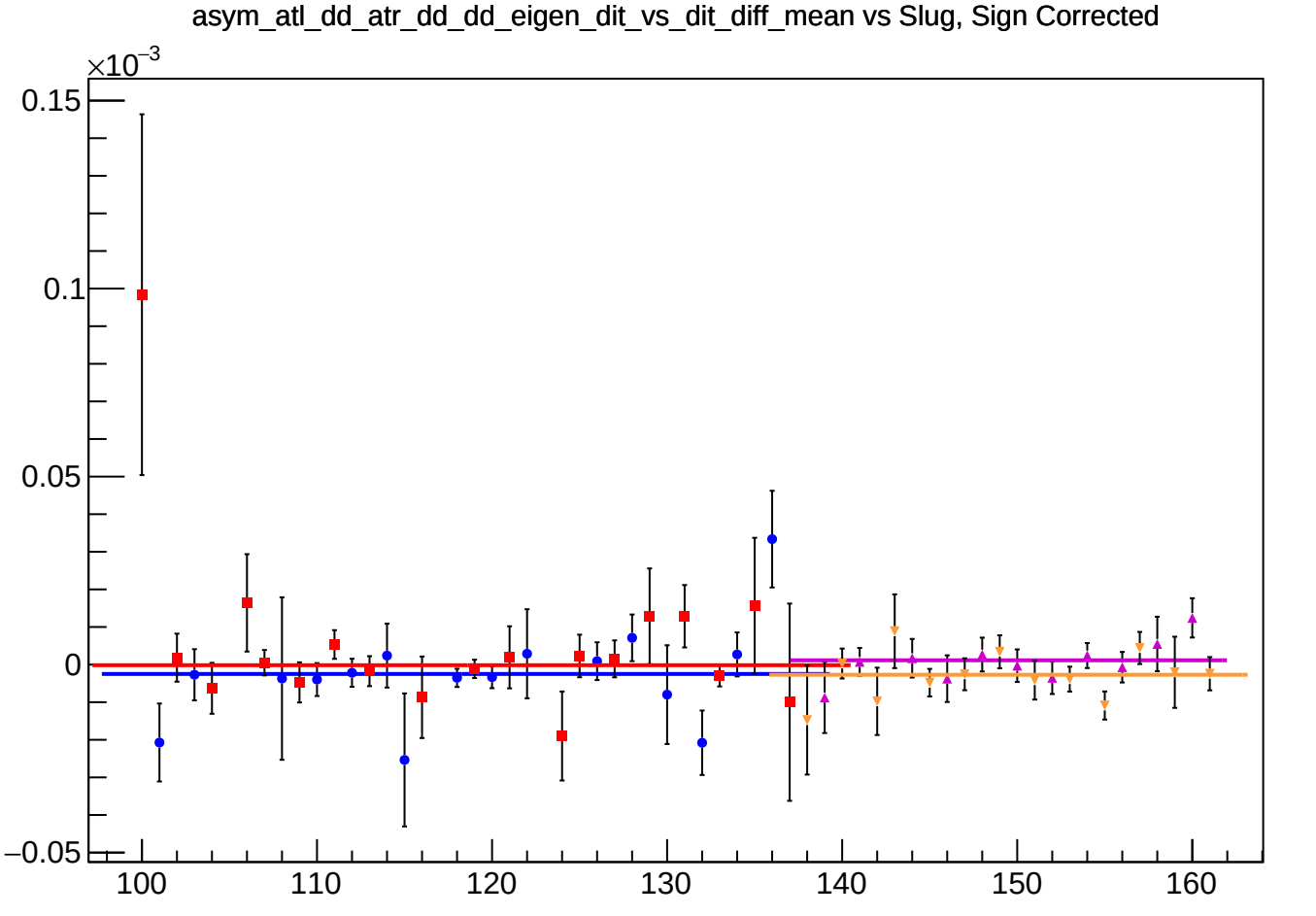
Left: 37.069+/-0.007 χ^2/NDF: 4262189.7/23

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.386+/-0.007 χ^2/NDF:6105407.5/31

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

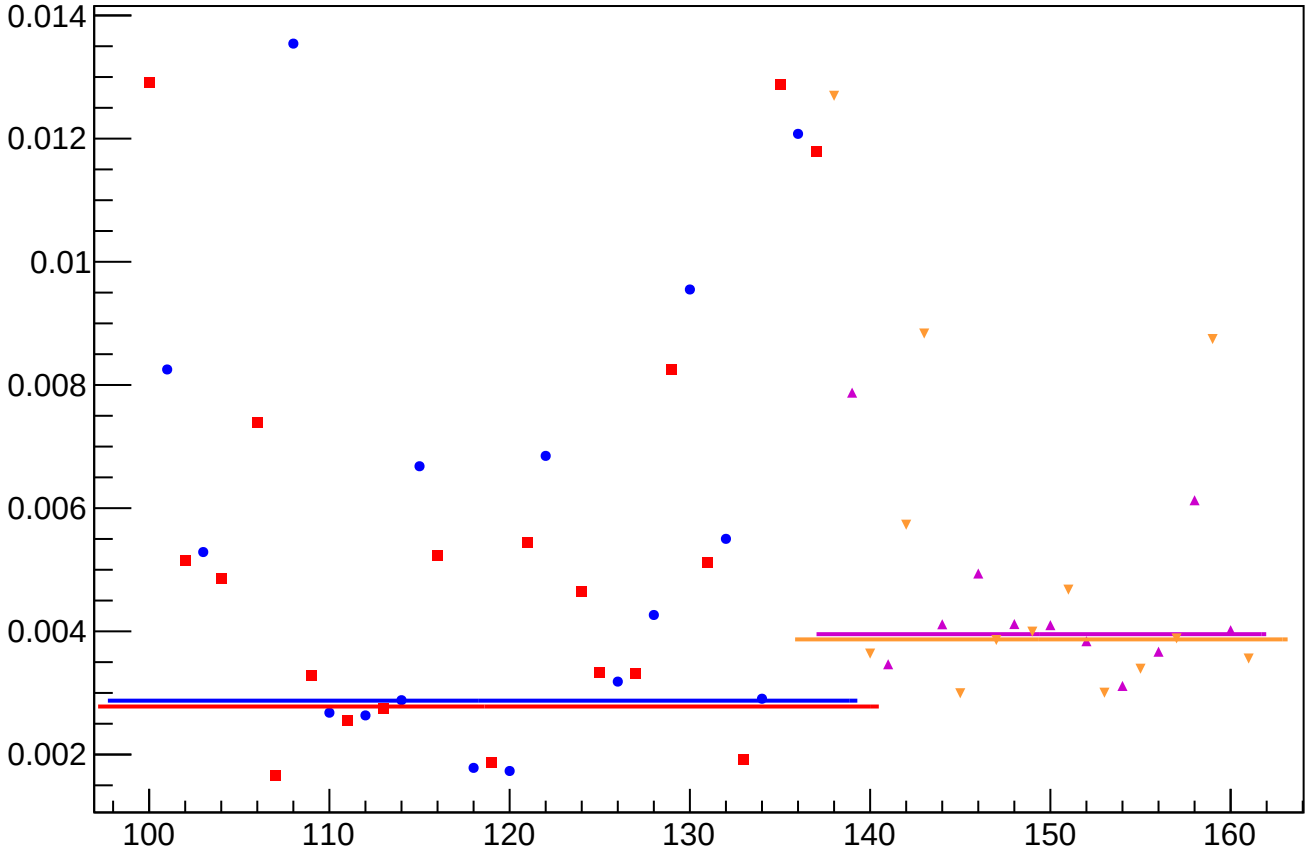
Left: -0.000+/-0.000 χ^2/NDF: 25.9/23

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:34.3/31

All: -0.000+/-0.000 χ^2/NDF: 68.4/58



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2222743.2/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:756069.8/10

Left: 0.004+/-0.000 χ^2/NDF: 2982755.5/23

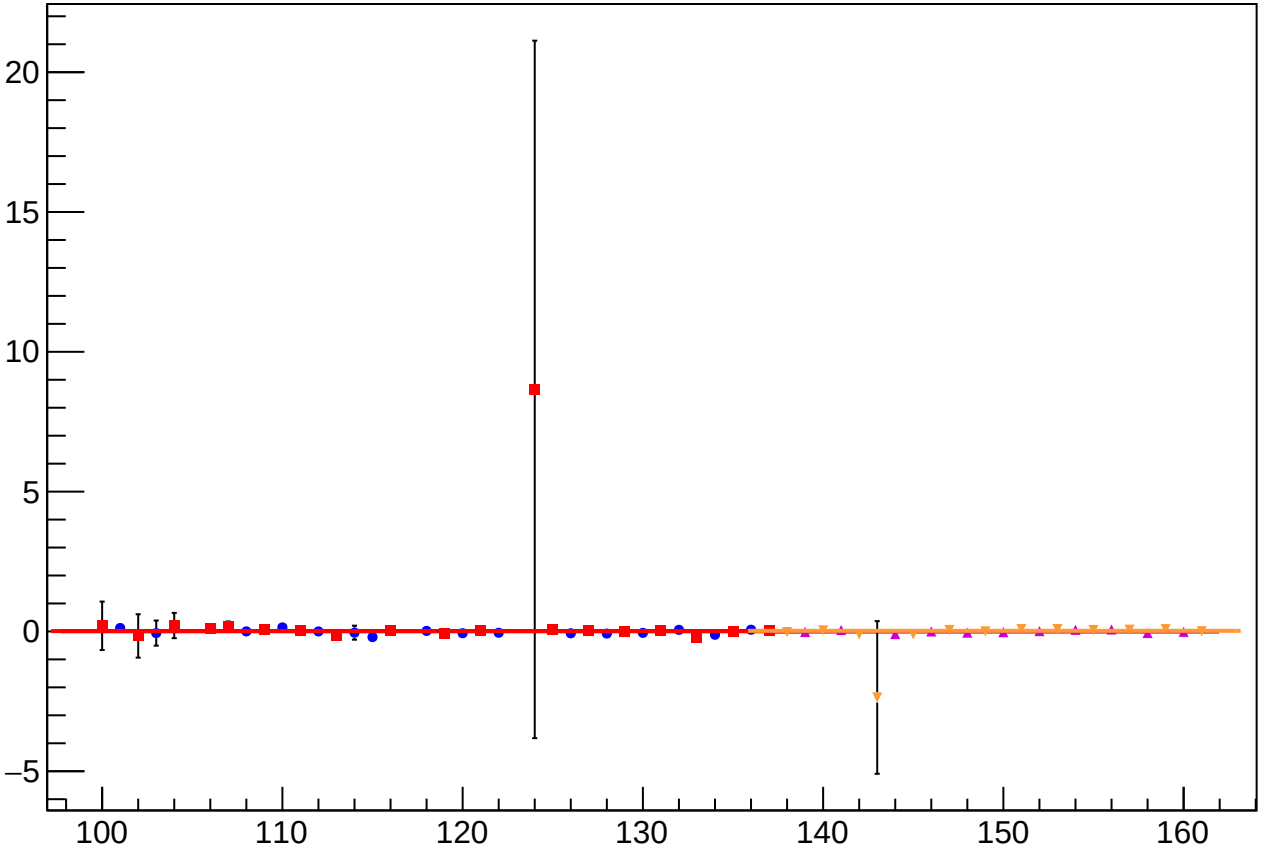
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5545492.1/26

Out: 0.003+/-0.000 χ^2/NDF:6307715.9/31

All: 0.003+/-0.000 χ^2/NDF: 11867442.0/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

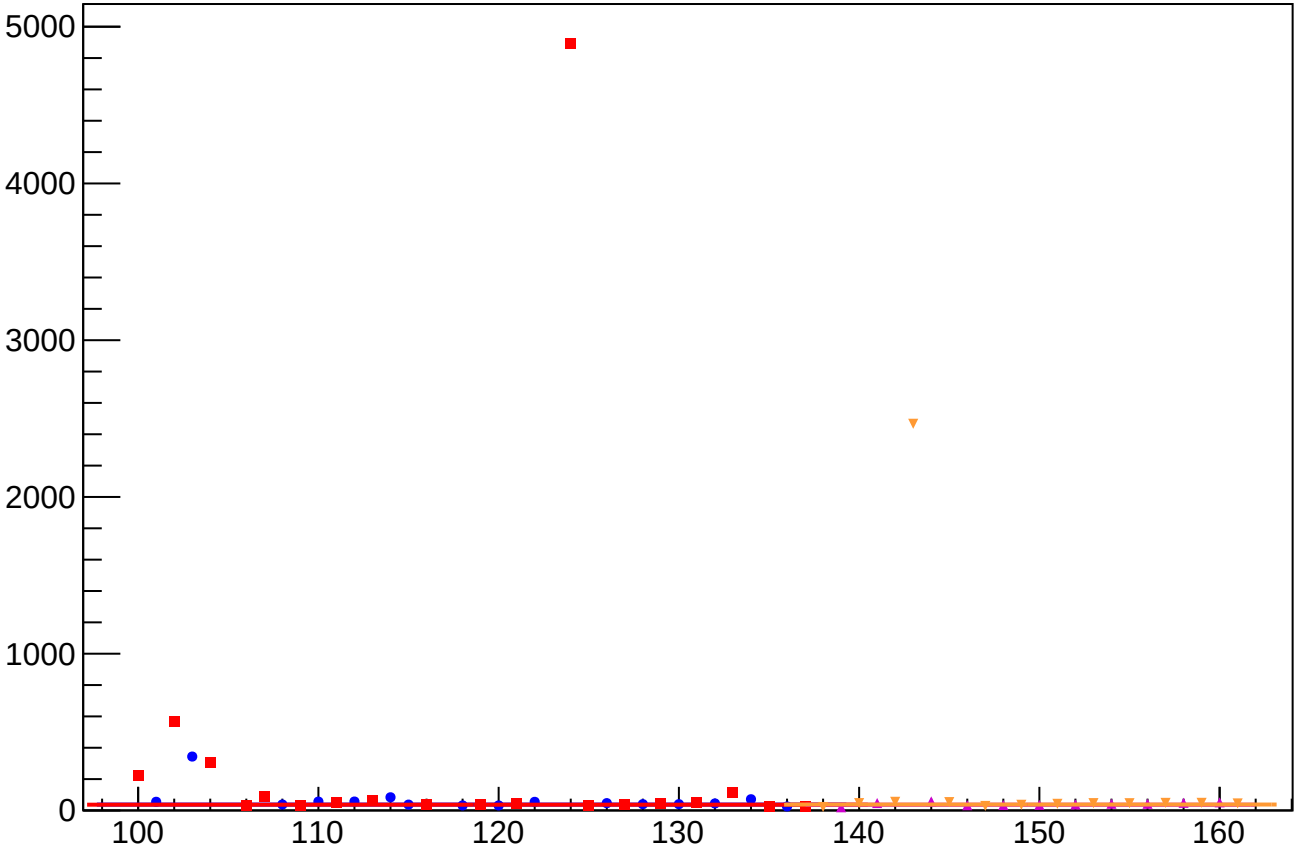
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

Left: 37.070+/-0.007 χ^2/NDF: 4261649.9/23

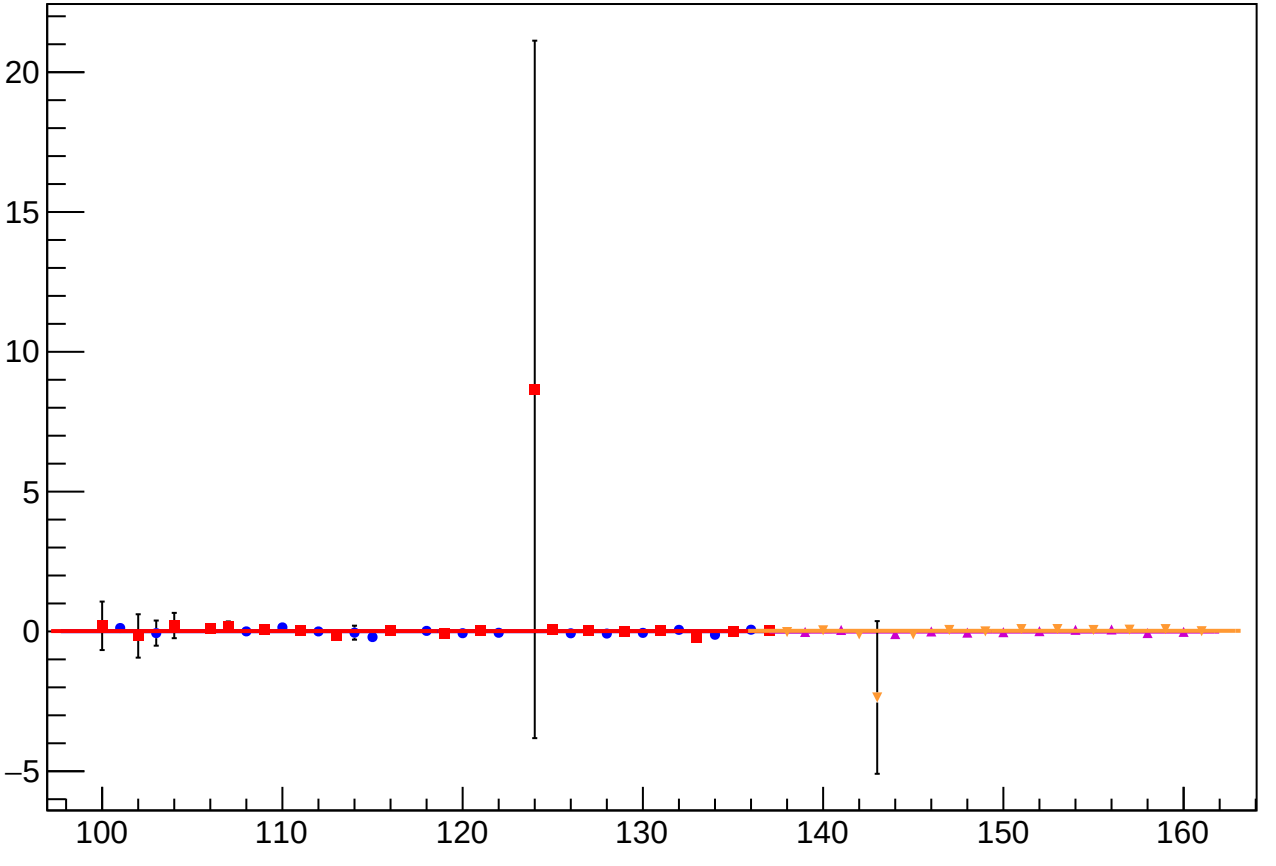
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.385+/-0.007 χ^2/NDF:6105660.4/31

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

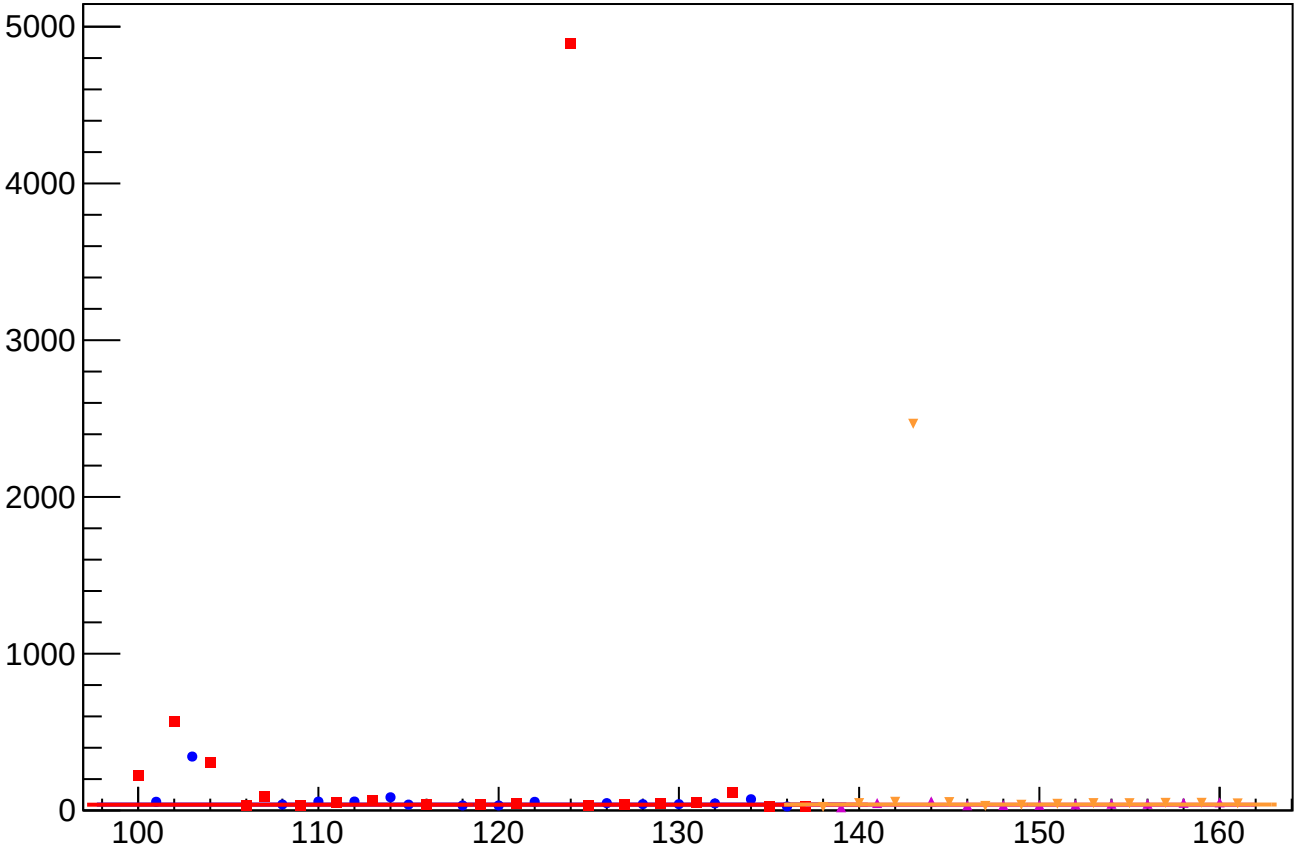
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

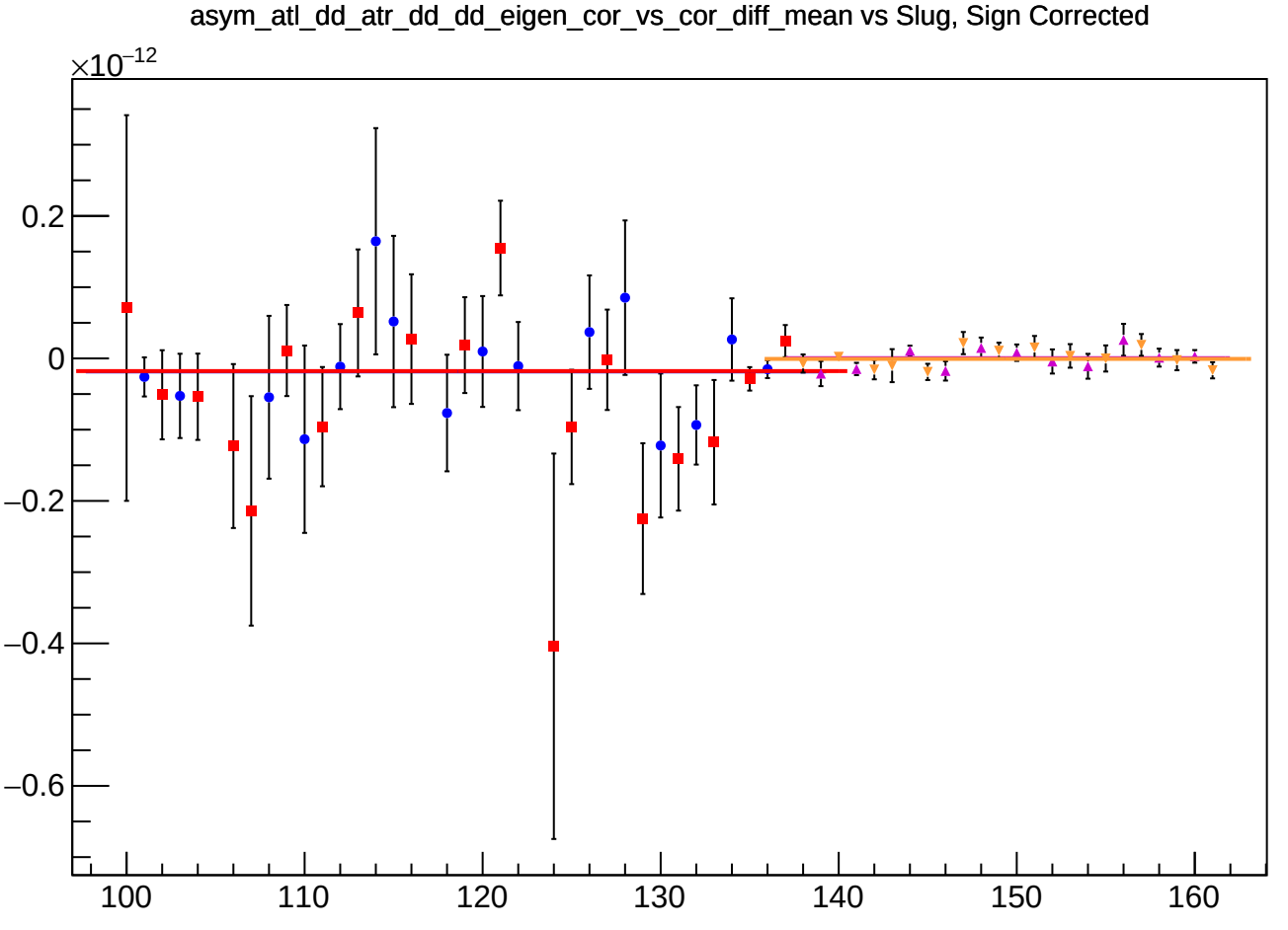
Left: 37.070+/-0.007 χ^2/NDF: 4261649.9/23

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.385+/-0.007 χ^2/NDF:6105660.4/31

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/10

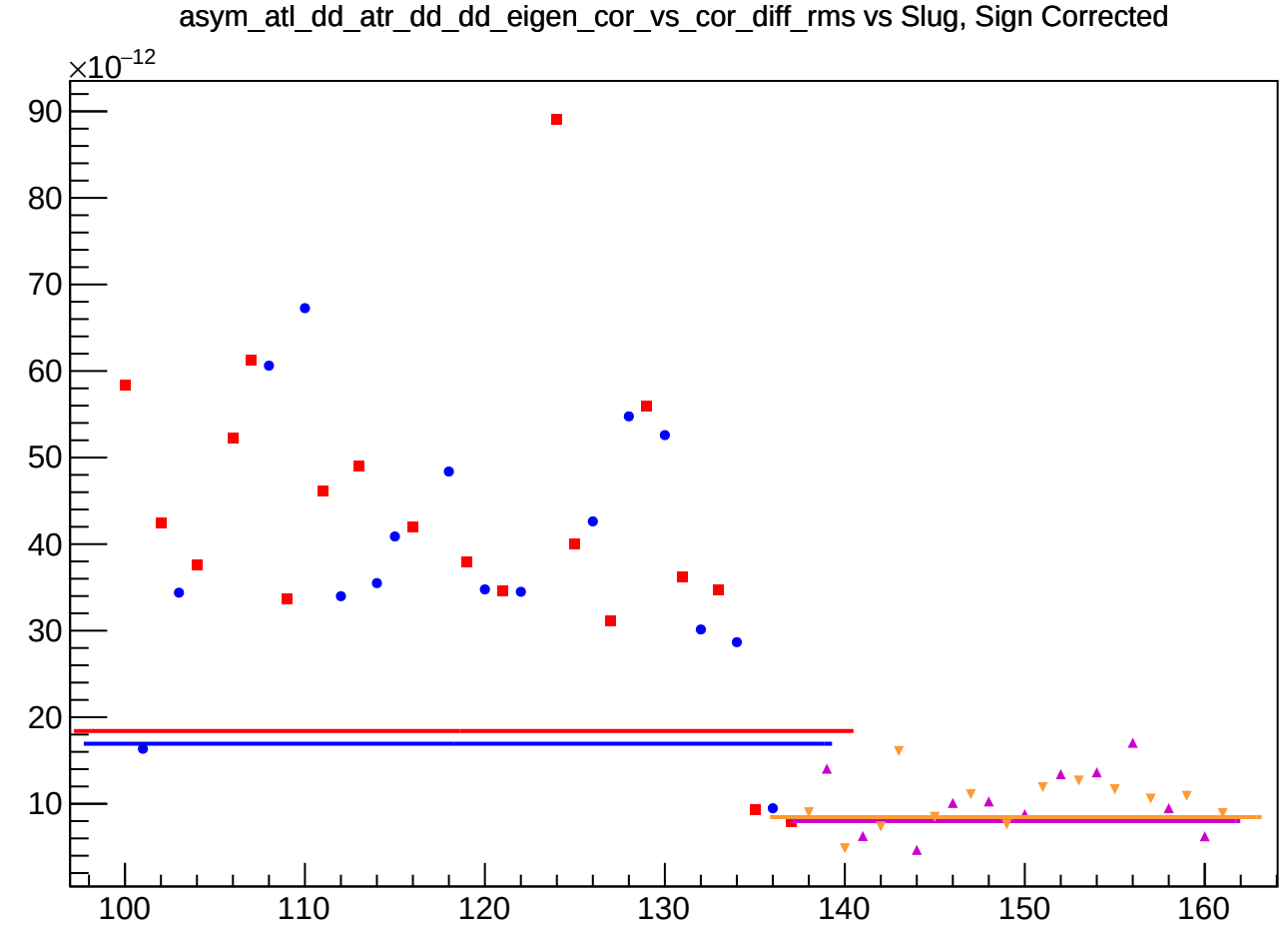
Left: -0.000+/-0.000 χ^2/NDF: 24.1/23

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.4/26

Out: -0.000+/-0.000 χ^2/NDF:41.6/31

All: -0.000+/-0.000 χ^2/NDF: 64.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1255865.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1716875.8/10

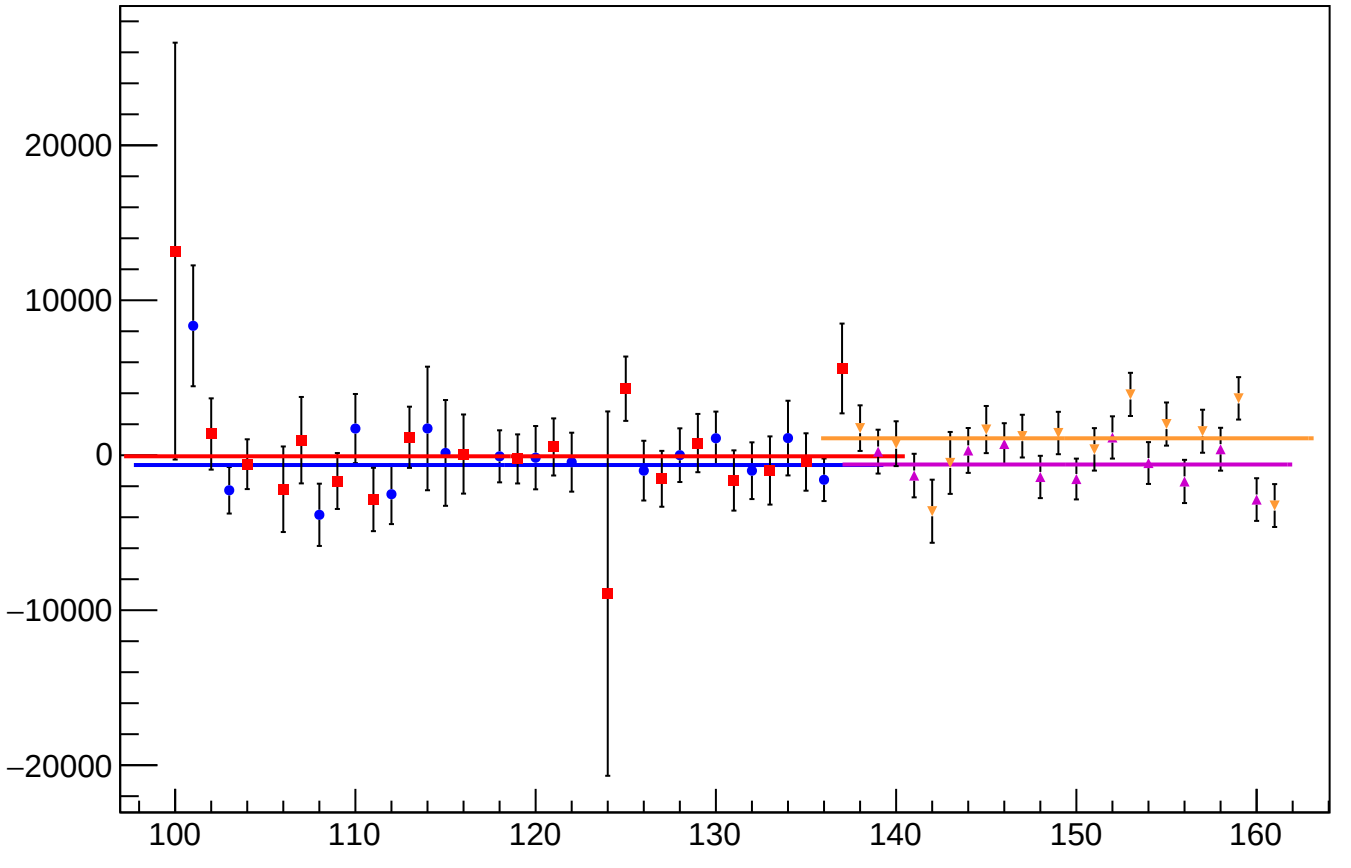
Left: 0.000+/-0.000 χ^2/NDF: 2990193.4/23

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6370992.4/26

Out: 0.000+/-0.000 χ^2/NDF:6404683.2/31

All: 0.000+/-0.000 χ^2/NDF: 12788715.5/58



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -597.367+/-415.077 χ^2/NDF:8.3/10

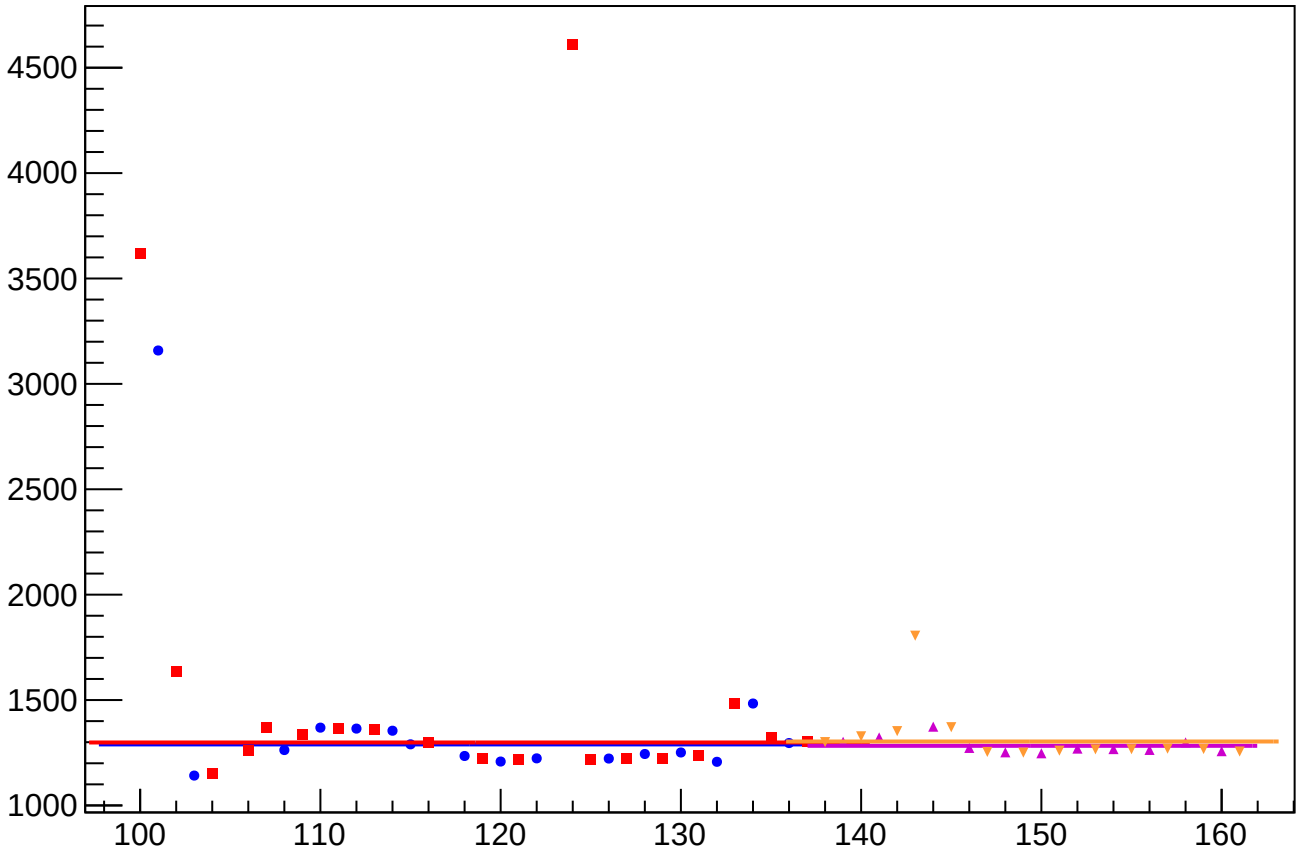
Left: 266.604+/-290.288 χ^2/NDF: 41.5/23

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 618.220+/-312.102 χ^2/NDF:44.0/31

All: 11.691+/-222.178 χ^2/NDF: 73.8/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

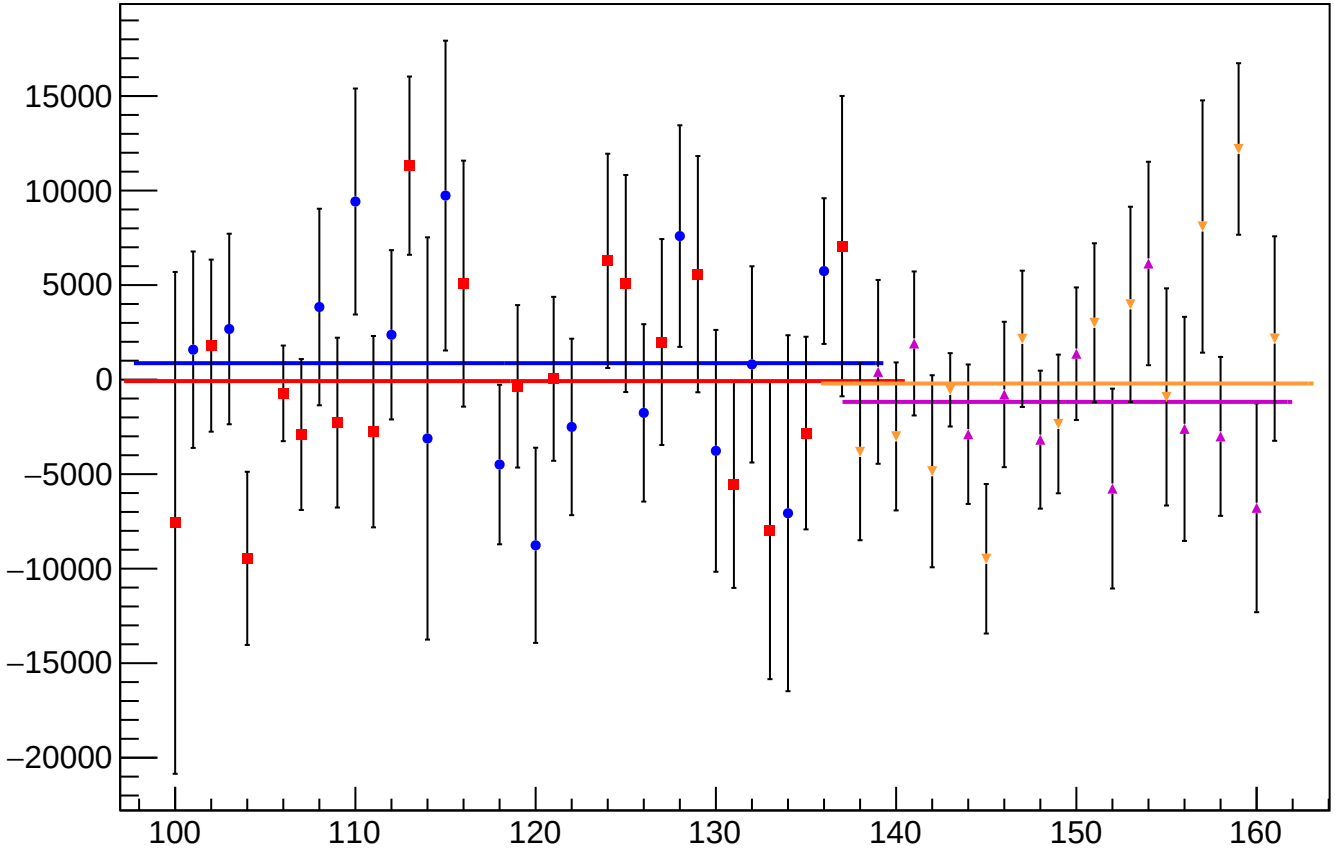
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1301.422+/-0.220 χ^2/NDF:466728.8/31

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58

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: -205.395+/-1078.069 χ^2/NDF:18.7/12

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1178.736+/-1294.234 χ^2/NDF:5.7/10

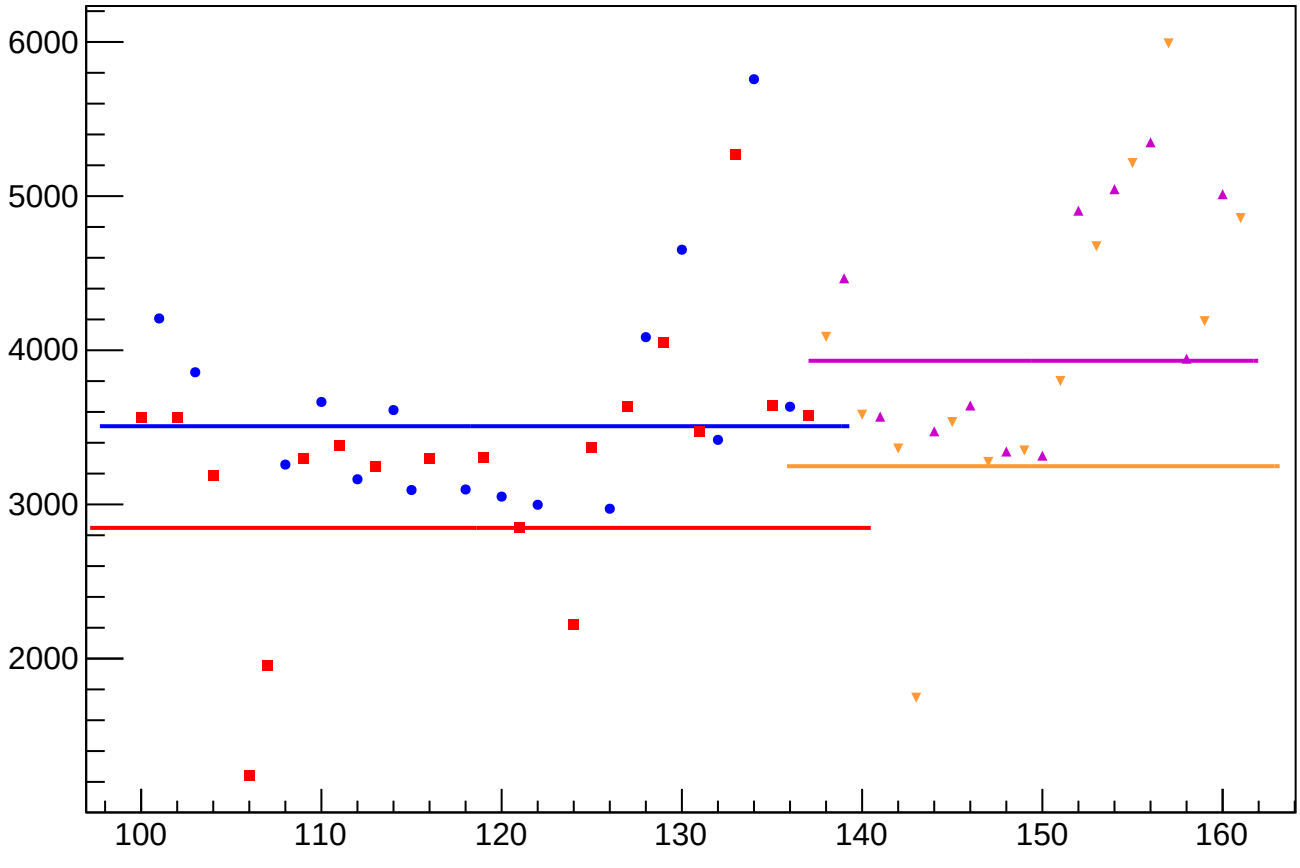
Left: -604.104+/-828.340 χ^2/NDF: 24.7/23

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -178.500+/-925.942 χ^2/NDF:20.9/26

Out: -143.289+/-773.715 χ^2/NDF:37.1/31

All: -157.766+/-593.723 χ^2/NDF: 58.0/58



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3247.932+/-0.762 χ^2/NDF:2313741.7/12

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

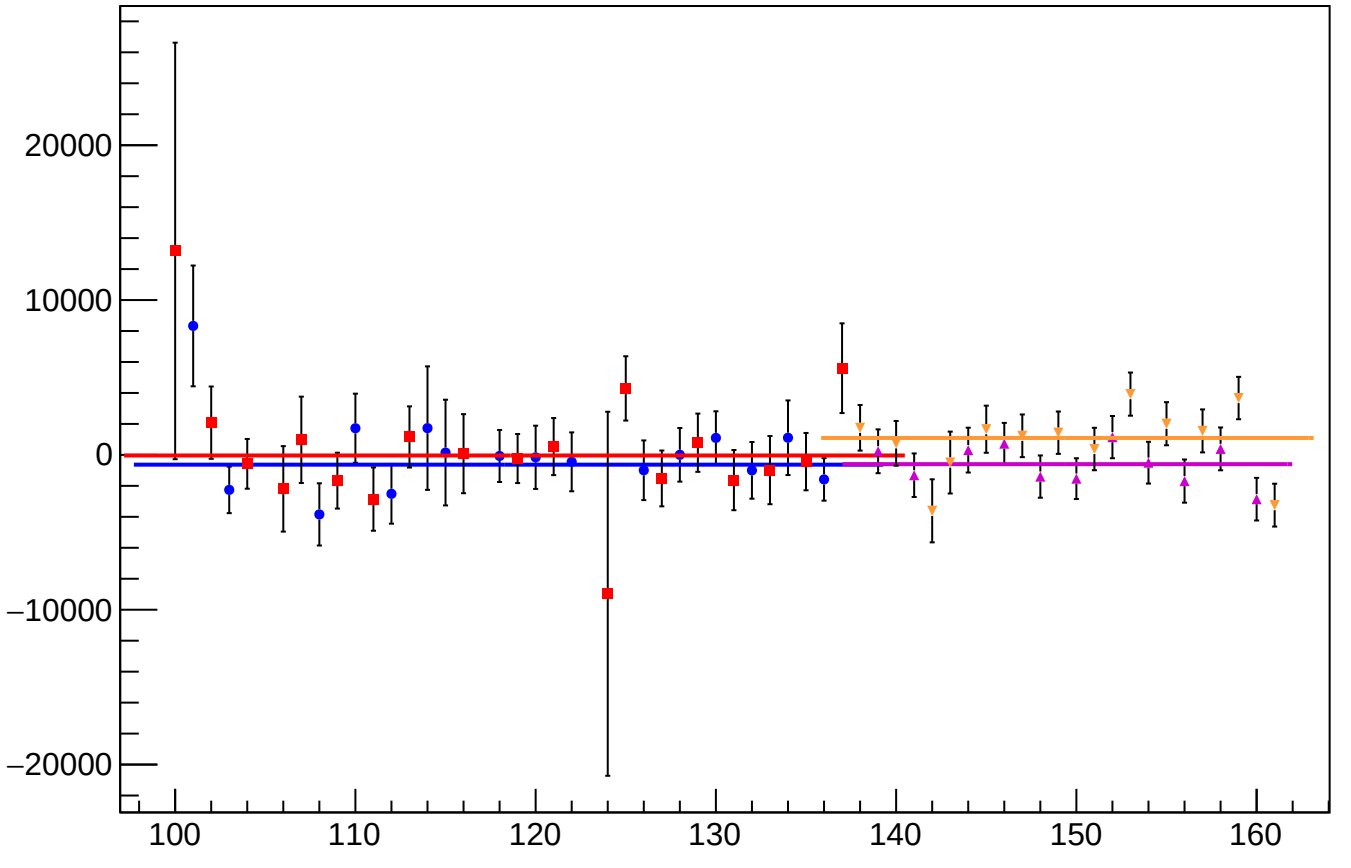
Left: 3528.106+/-0.586 χ^2/NDF: 3186059.0/23

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3724.679+/-0.655 χ^2/NDF:1001565.9/26

Out: 3053.913+/-0.547 χ^2/NDF:3946697.6/31

All: 3329.698+/-0.420 χ^2/NDF: 5566292.7/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

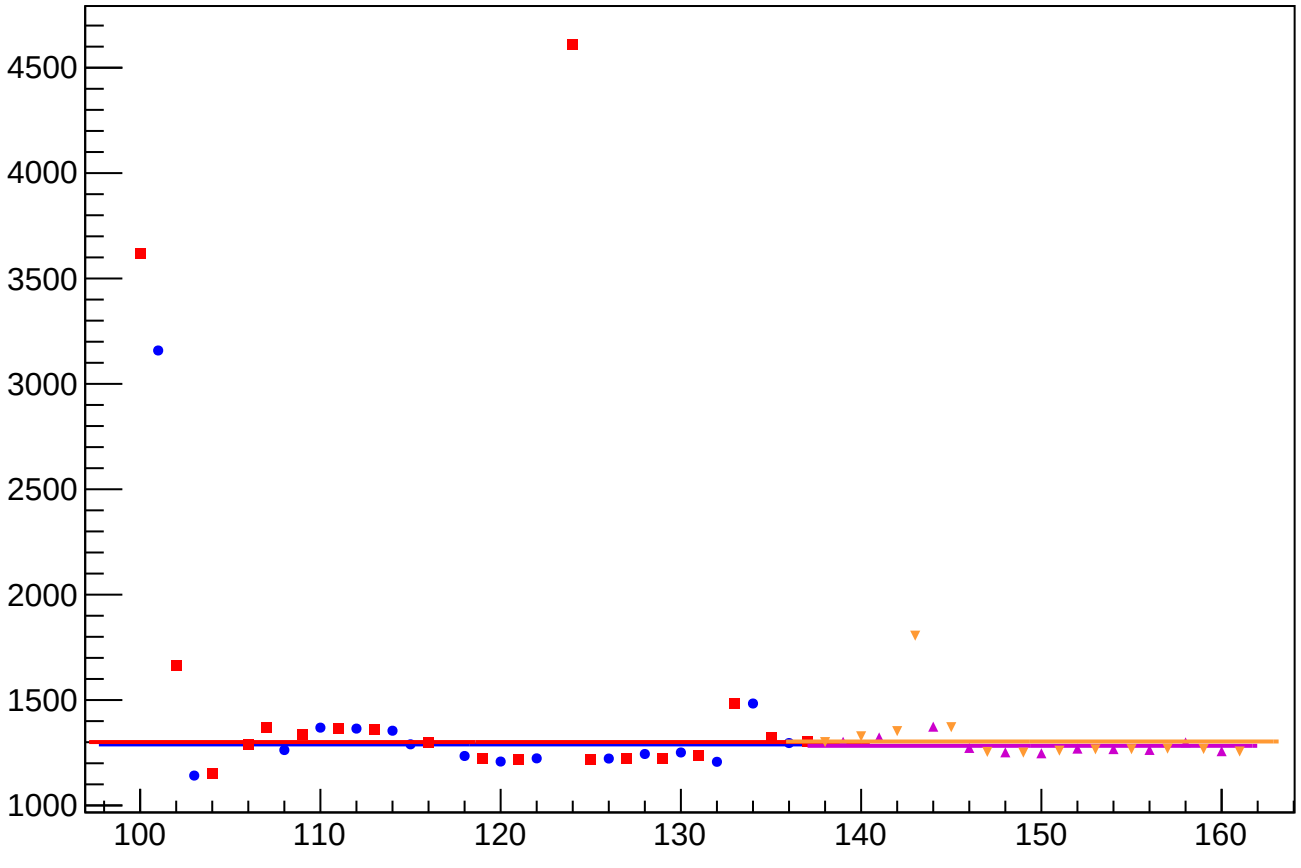
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

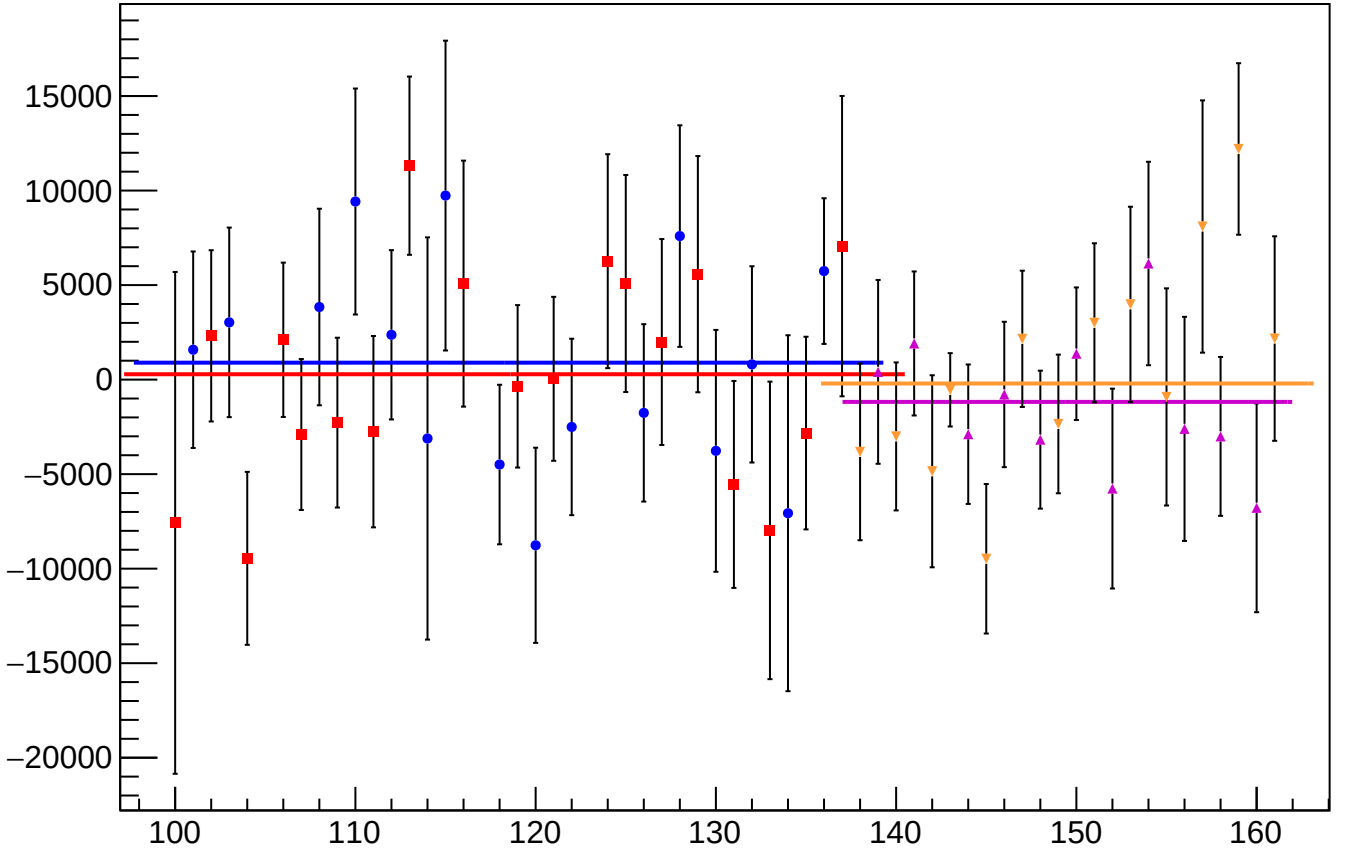
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

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: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

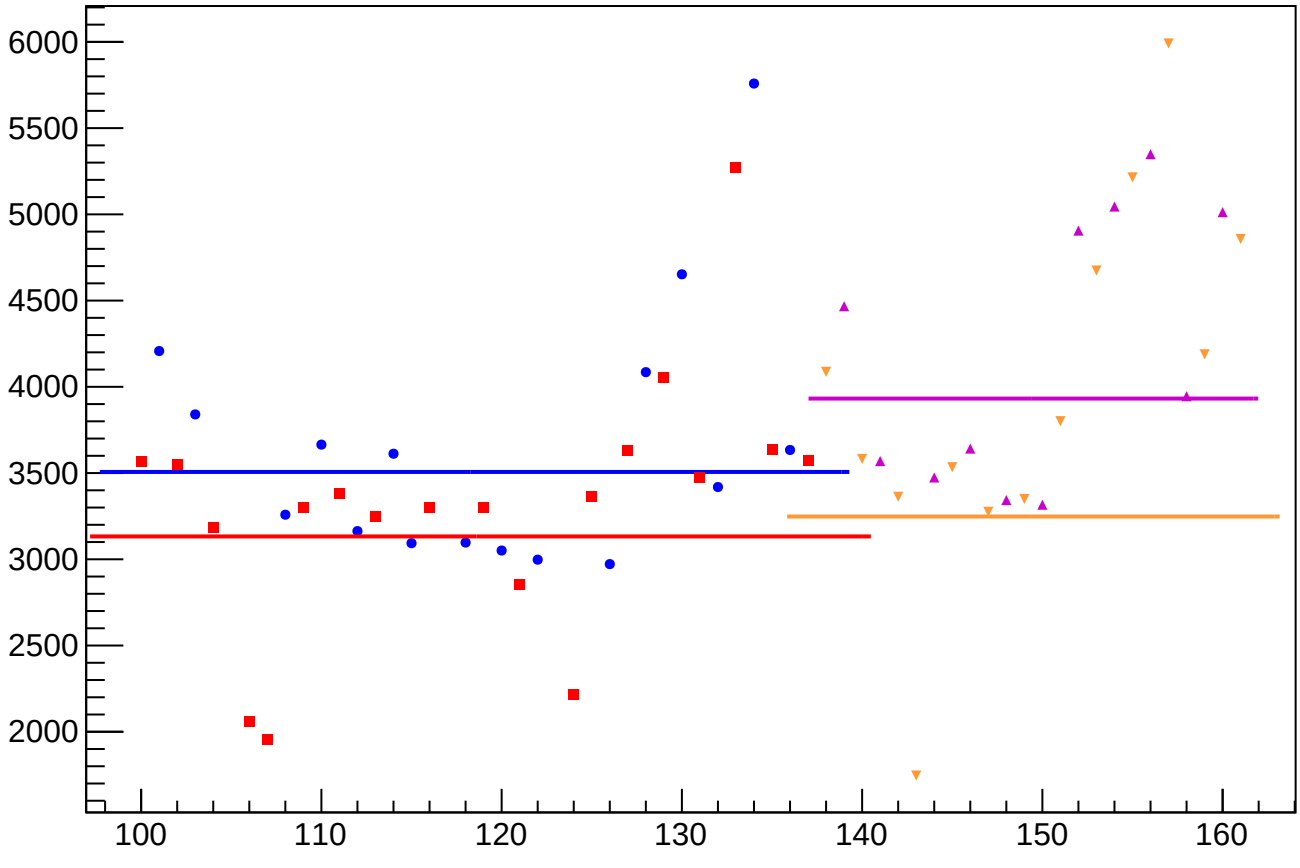
Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

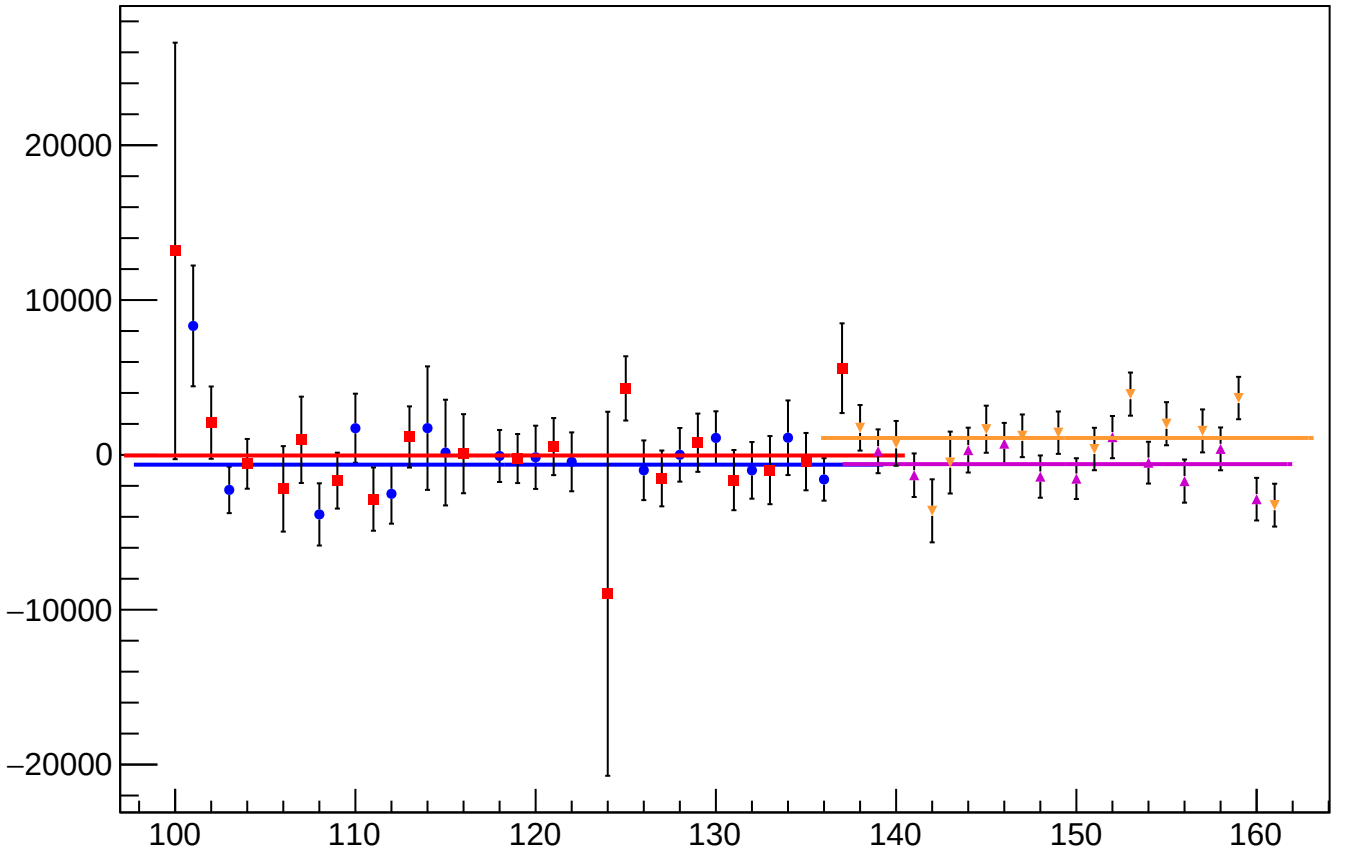
Left: 3528.098+/-0.586 χ^2/NDF: 3186089.5/23

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3195.604+/-0.563 χ^2/NDF:2973759.5/31

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

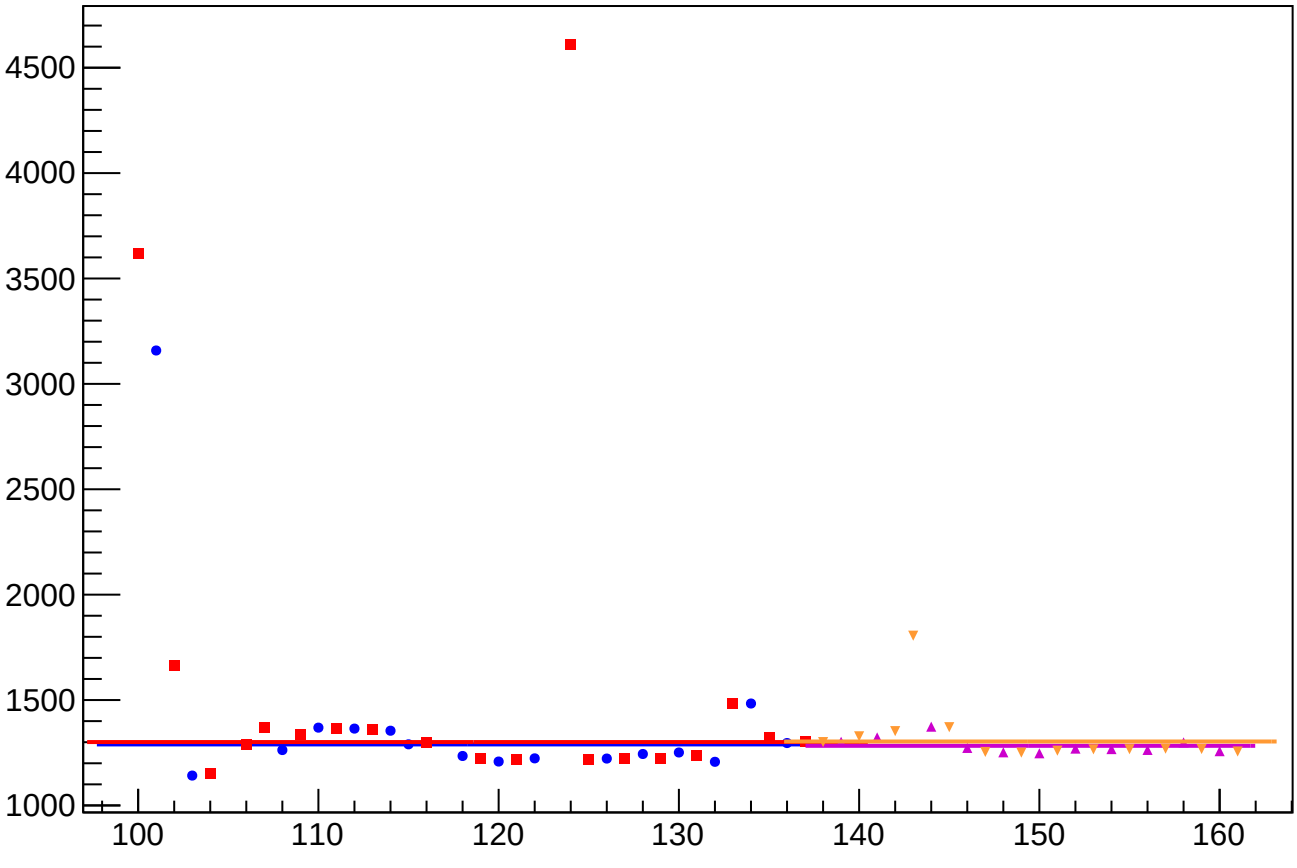
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

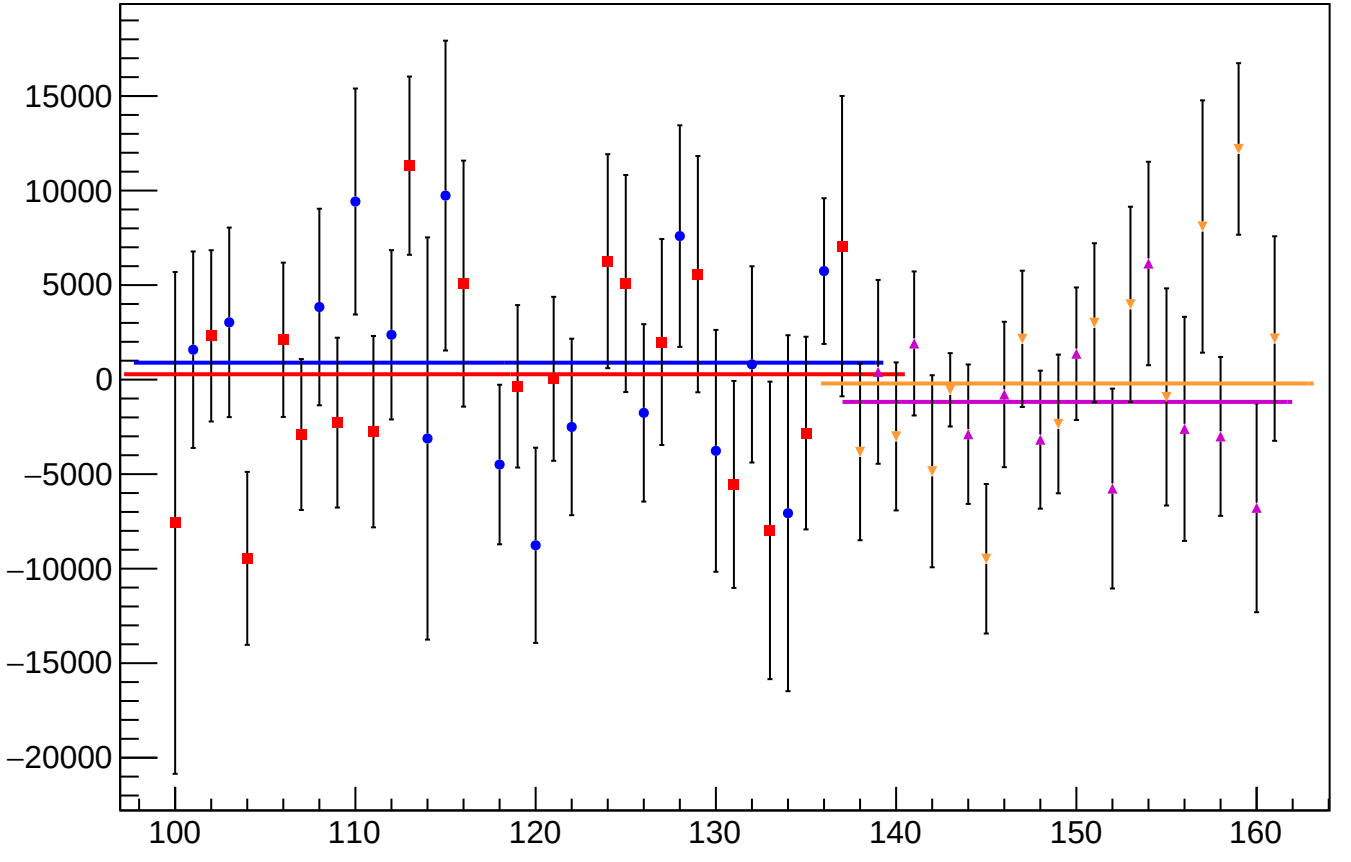
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

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: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

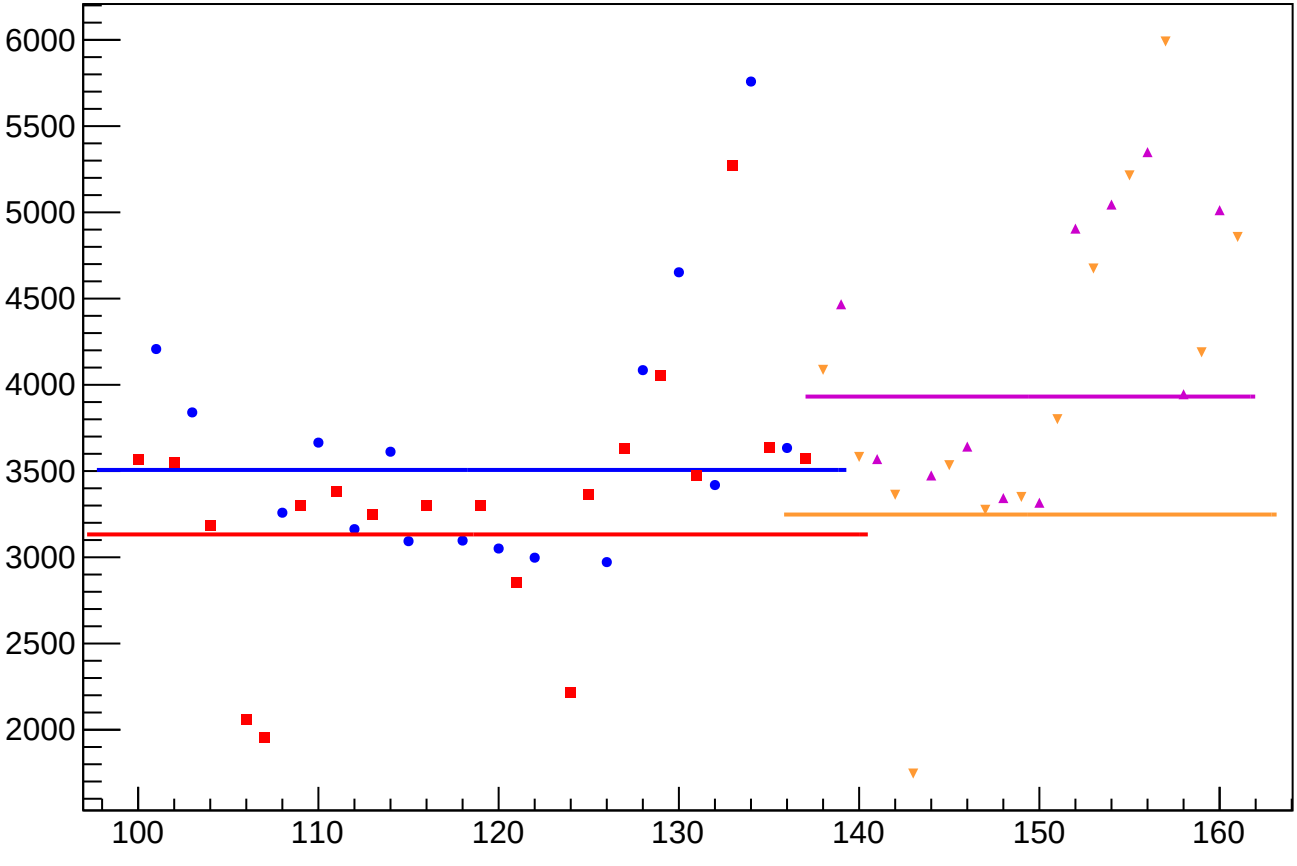
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

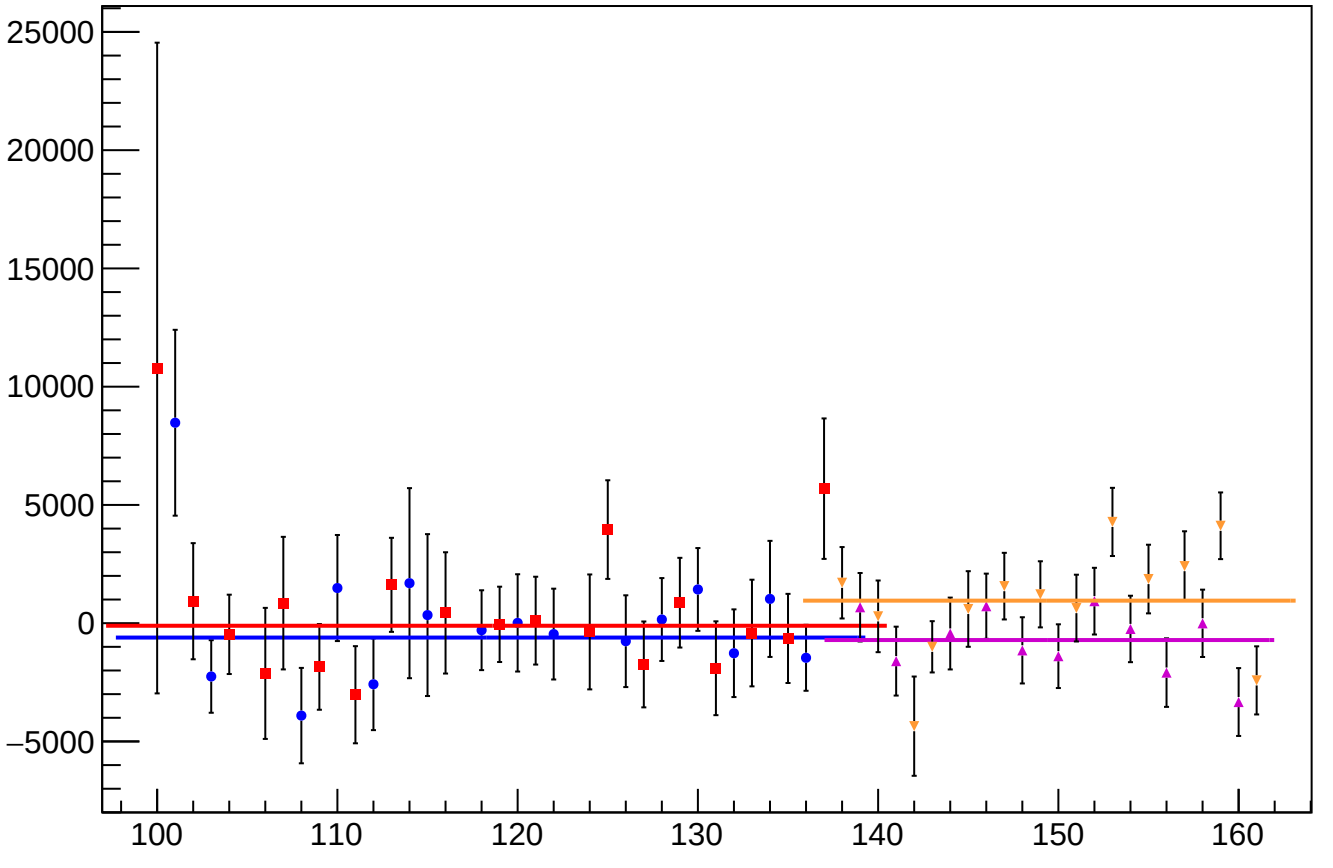
Left: 3528.098+/-0.586 χ^2/NDF: 3186089.5/23

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3195.604+/-0.563 χ^2/NDF:2973759.5/31

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -712.705+/-428.982 χ^2/NDF:8.7/10

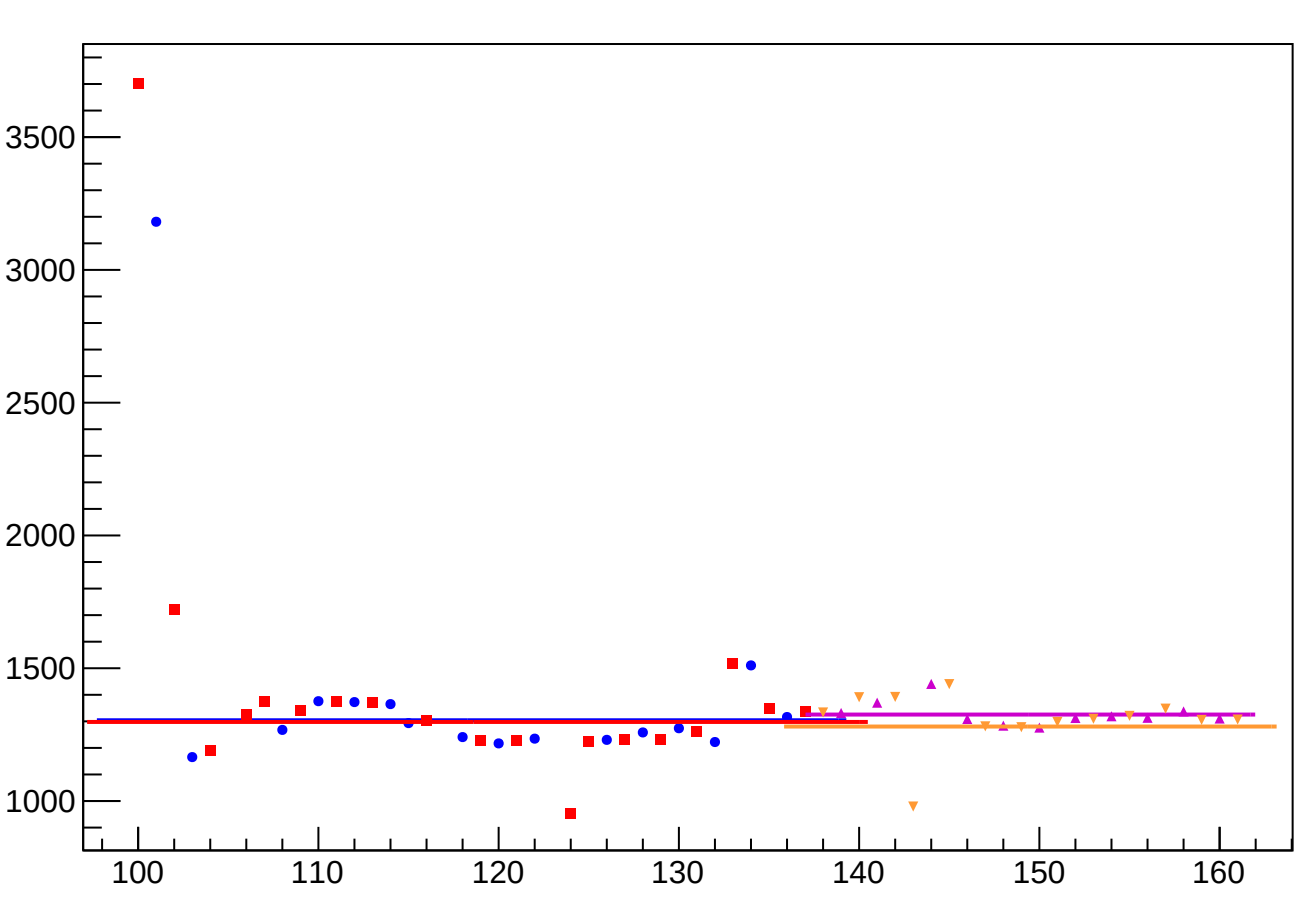
Left: 179.214+/-292.389 χ^2/NDF: 44.4/23

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.595+/-223.420 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

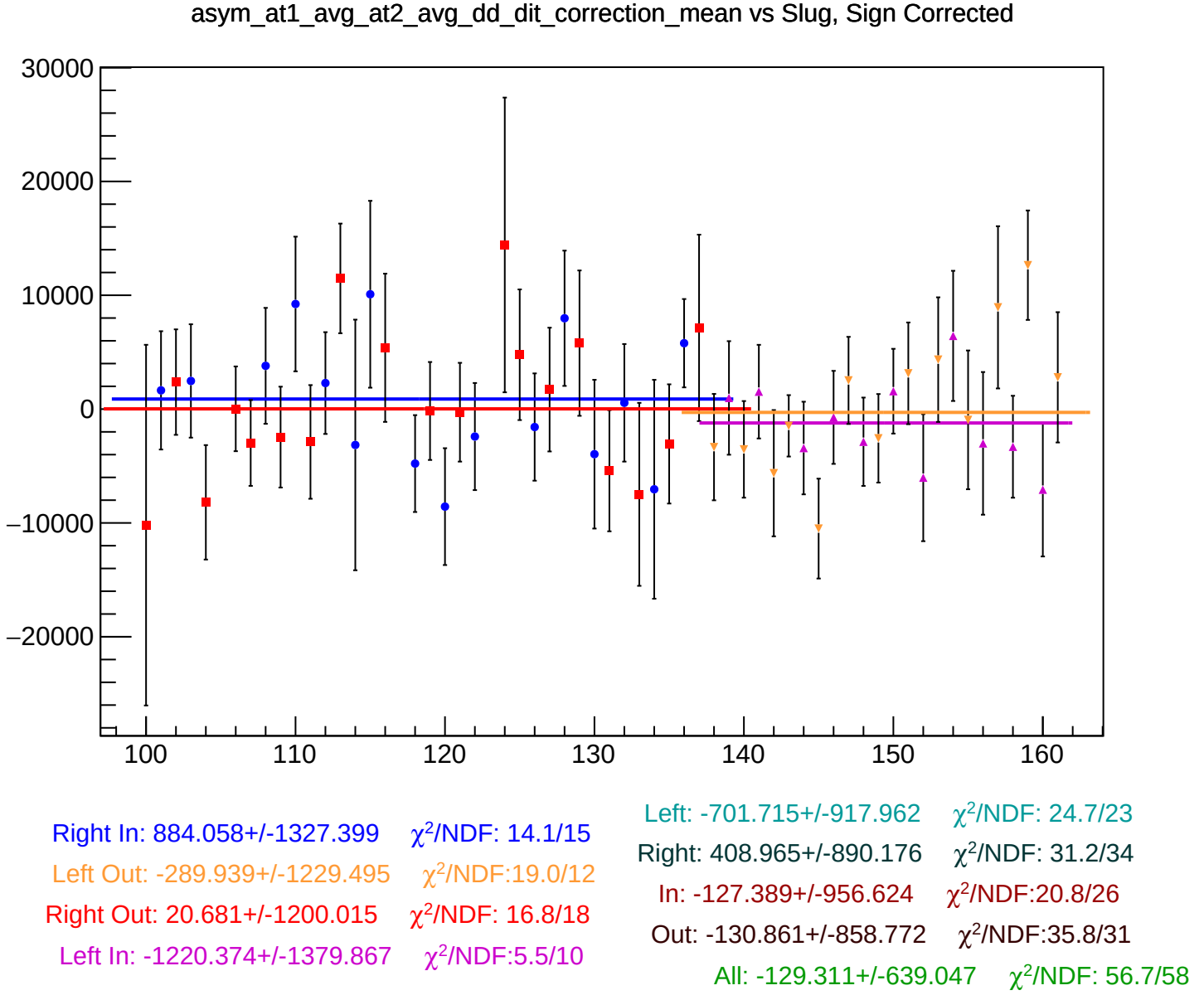
Left: 1301.449+/-0.207 χ^2/NDF: 232051.2/23

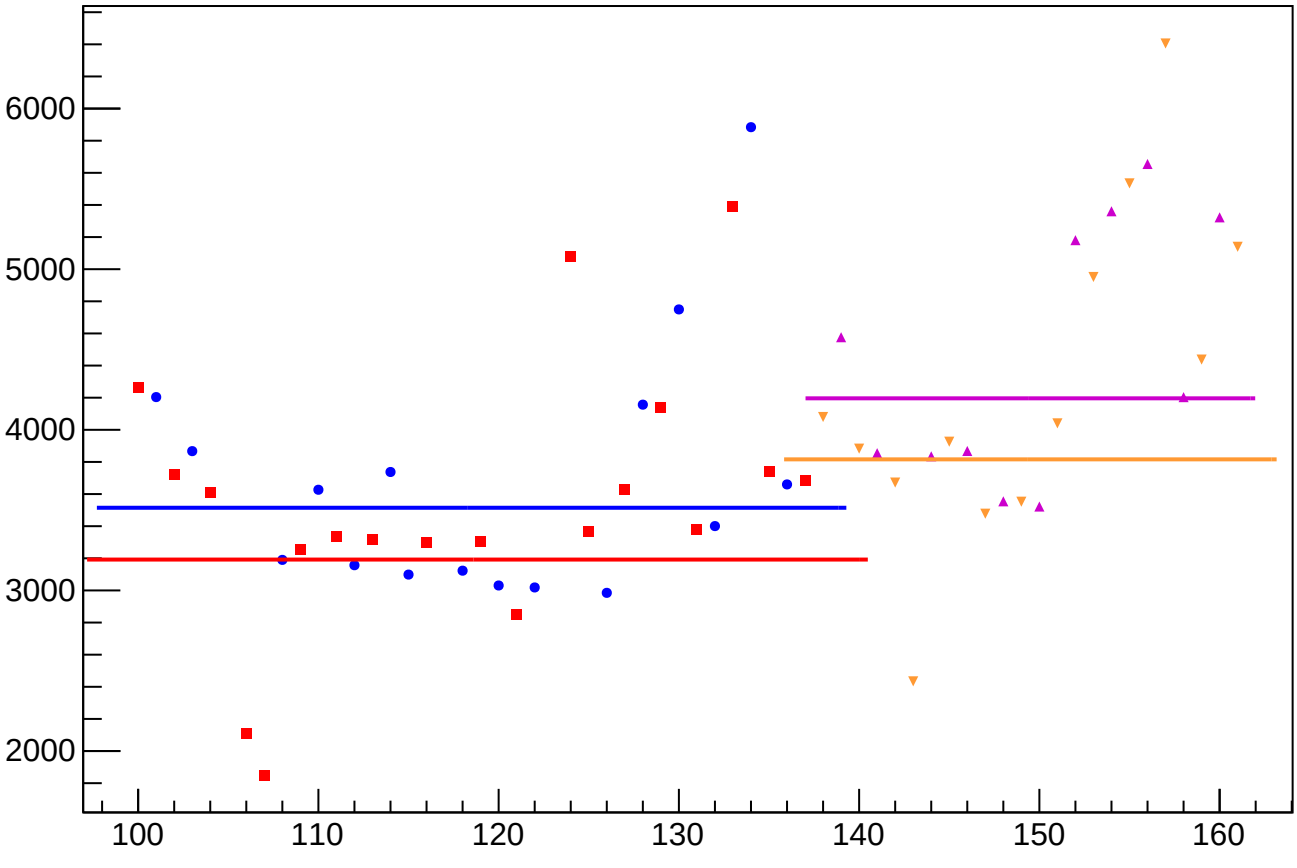
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

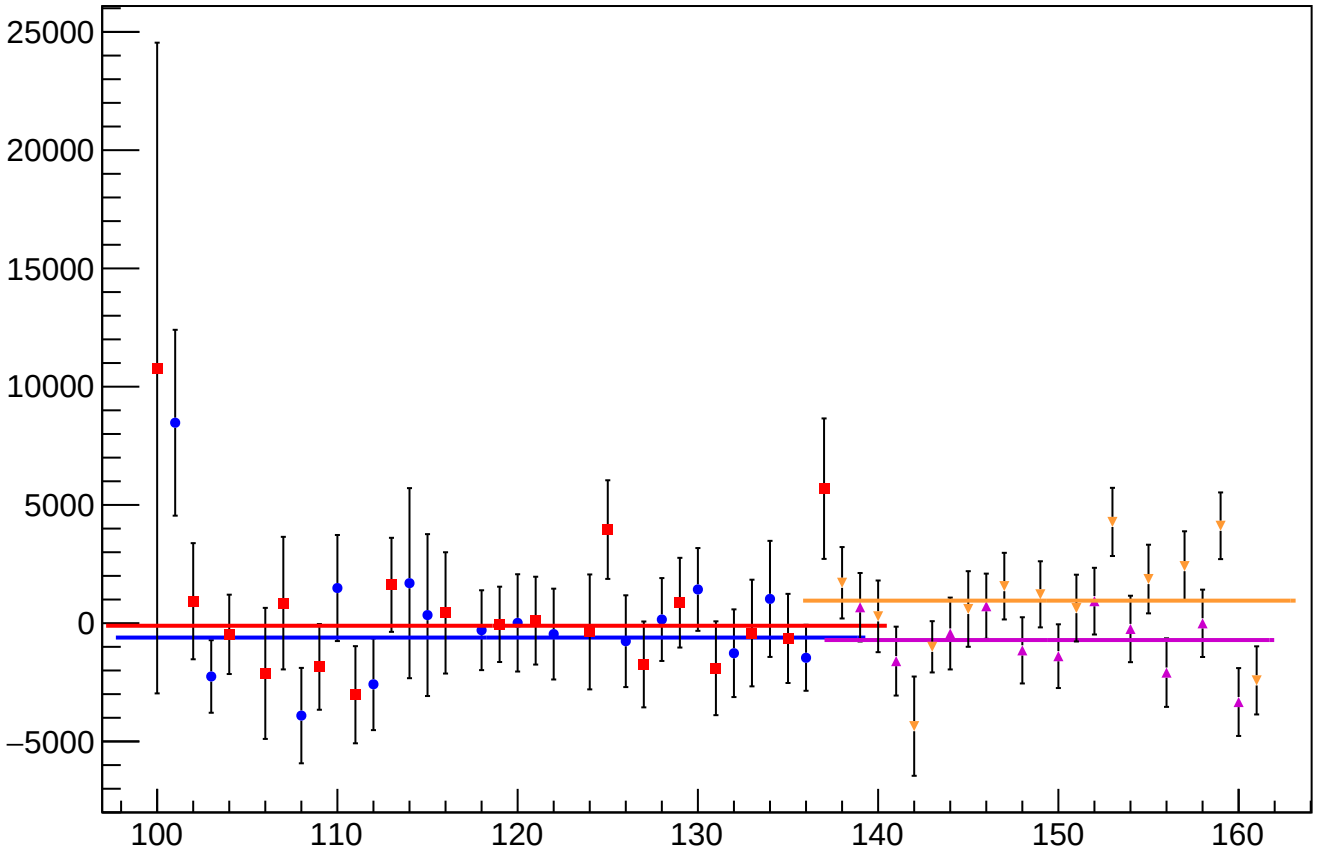
In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1287.489+/-0.218 χ^2/NDF:415922.9/31

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -289.939+/-1229.495 χ²/NDF:19.0/12
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1220.374+/-1379.867 χ²/NDF:5.5/10
Left: -701.715+/-917.962 χ²/NDF: 24.7/23
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -127.389+/-956.624 χ²/NDF:20.8/26
Out: -130.861+/-858.772 χ²/NDF:35.8/31
All: -129.311+/-639.047 χ²/NDF: 56.7/58


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3816.062+/-0.869 χ²/NDF:1213868.5/12
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4196.018+/-0.976 χ²/NDF:501534.5/10
Left: 3984.217+/-0.649 χ²/NDF: 1799934.5/23
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3842.184+/-0.676 χ²/NDF:1129820.9/26
Out: 3496.564+/-0.607 χ²/NDF:2250076.8/31
All: 3650.798+/-0.452 χ²/NDF: 3524459.9/58



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -712.706+/-428.982 χ^2/NDF:8.7/10

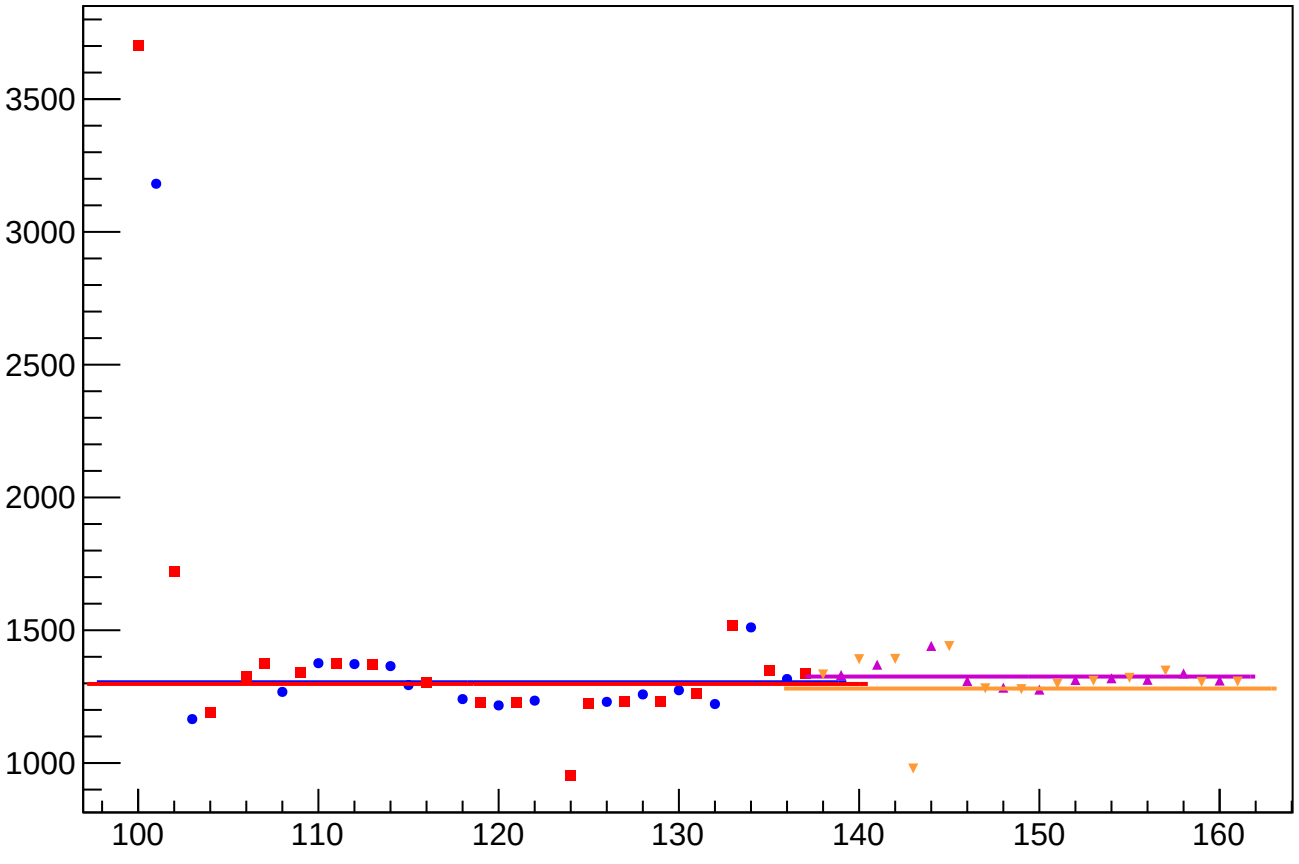
Left: 179.216+/-292.390 χ^2/NDF: 44.4/23

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.596+/-223.421 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.499+/-0.283 χ^2/NDF:201311.8/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

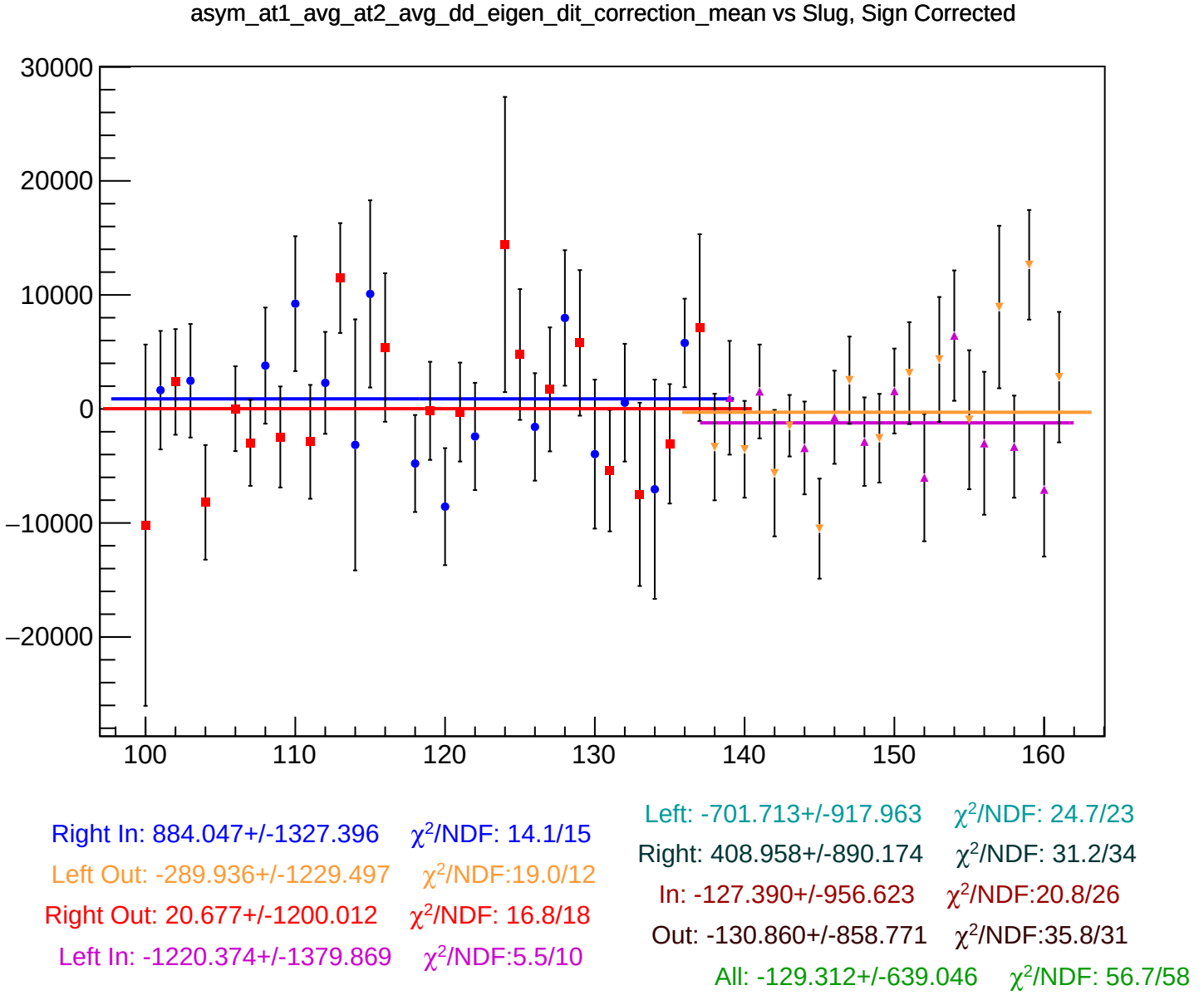
Left: 1301.451+/-0.207 χ^2/NDF: 232051.8/23

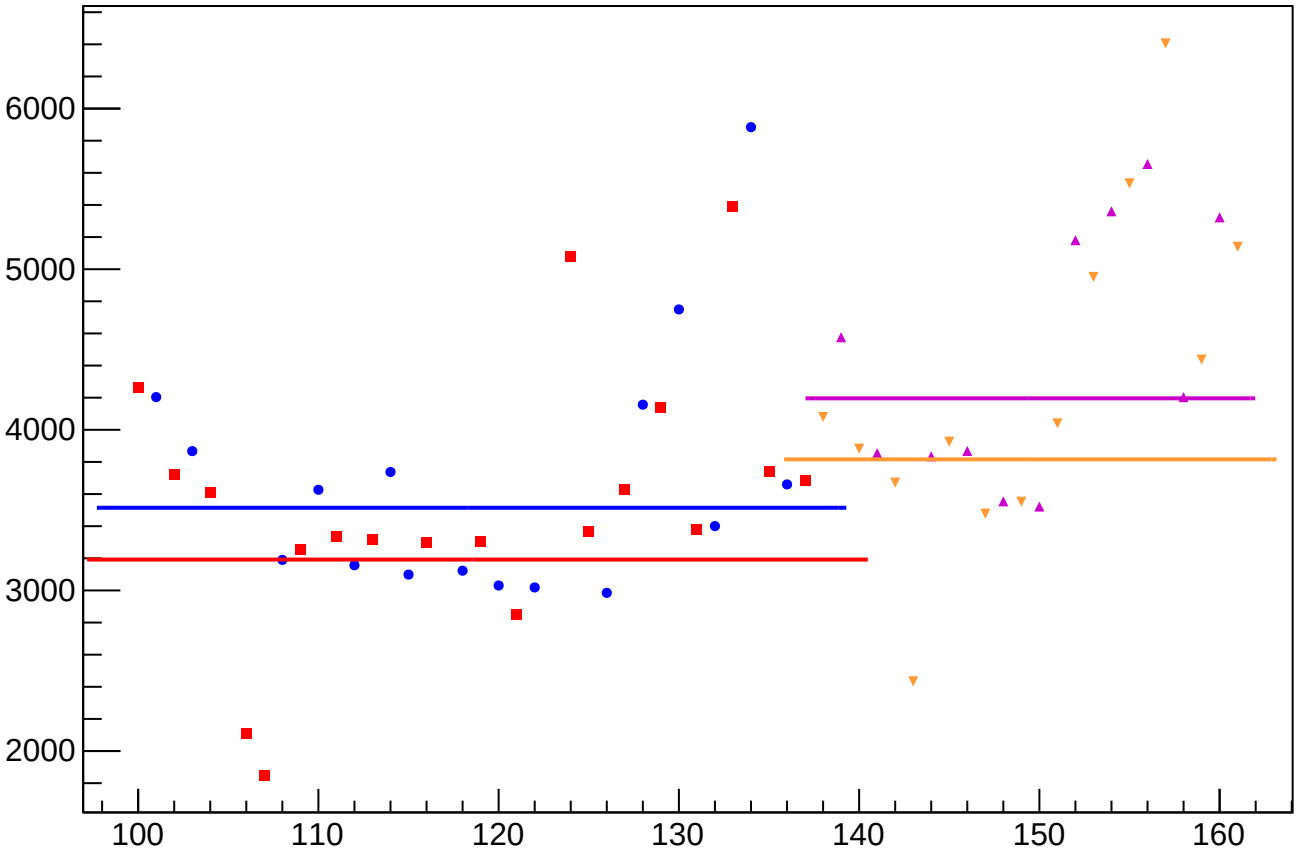
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

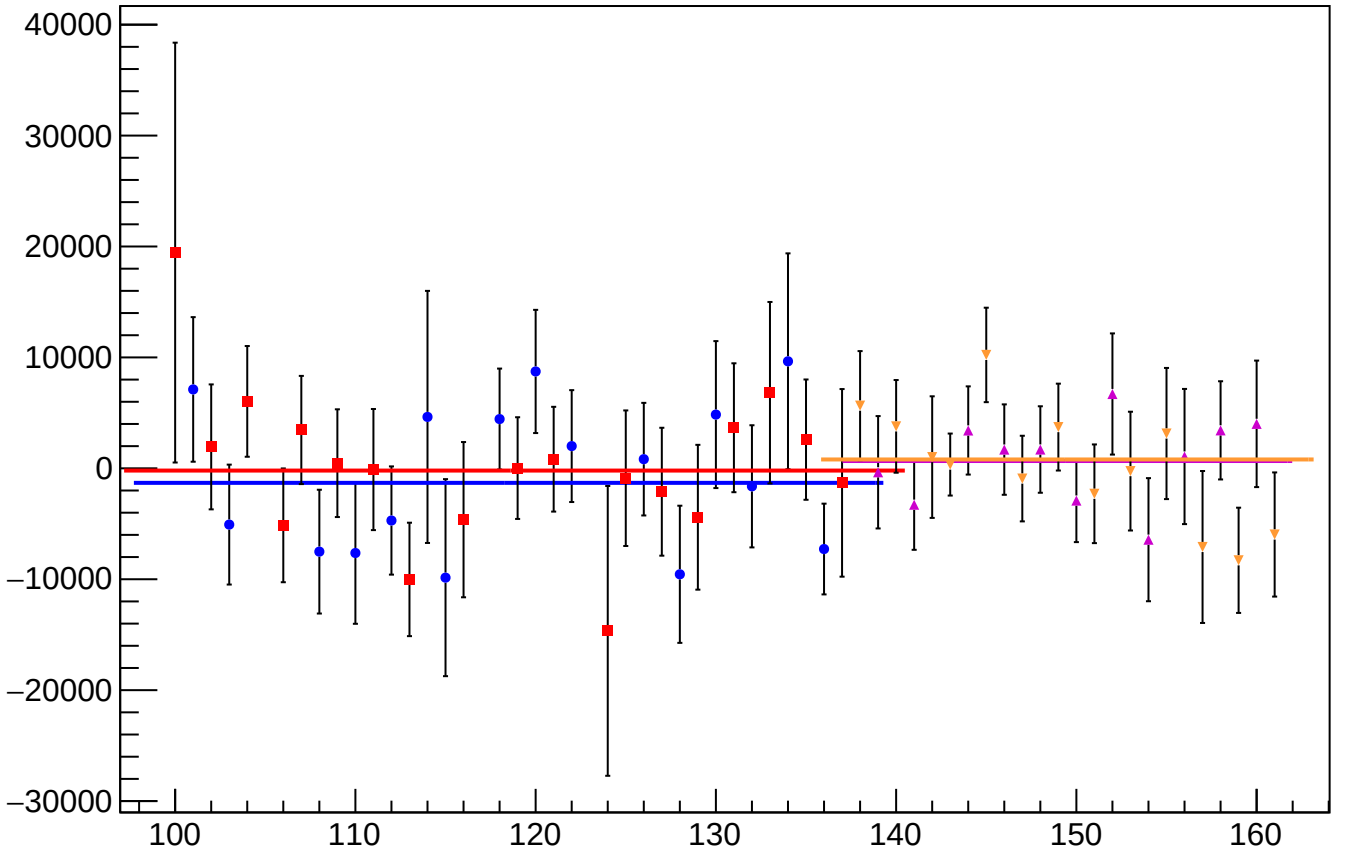
In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1287.489+/-0.218 χ^2/NDF:415923.3/31

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -289.936+/-1229.497 χ²/NDF:19.0/12
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1220.374+/-1379.869 χ²/NDF:5.5/10
Left: -701.713+/-917.963 χ²/NDF: 24.7/23
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -127.390+/-956.623 χ²/NDF:20.8/26
Out: -130.860+/-858.771 χ²/NDF:35.8/31
All: -129.312+/-639.046 χ²/NDF: 56.7/58


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3816.067+/-0.869 χ²/NDF:1213868.3/12
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4196.024+/-0.976 χ²/NDF:501534.8/10
Left: 3984.222+/-0.649 χ²/NDF: 1799934.6/23
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3842.180+/-0.676 χ²/NDF:1129836.5/26
Out: 3496.561+/-0.607 χ²/NDF:2250090.1/31
All: 3650.795+/-0.452 χ²/NDF: 3524488.4/58



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 659.186+/-1367.707 χ^2/NDF:6.1/10

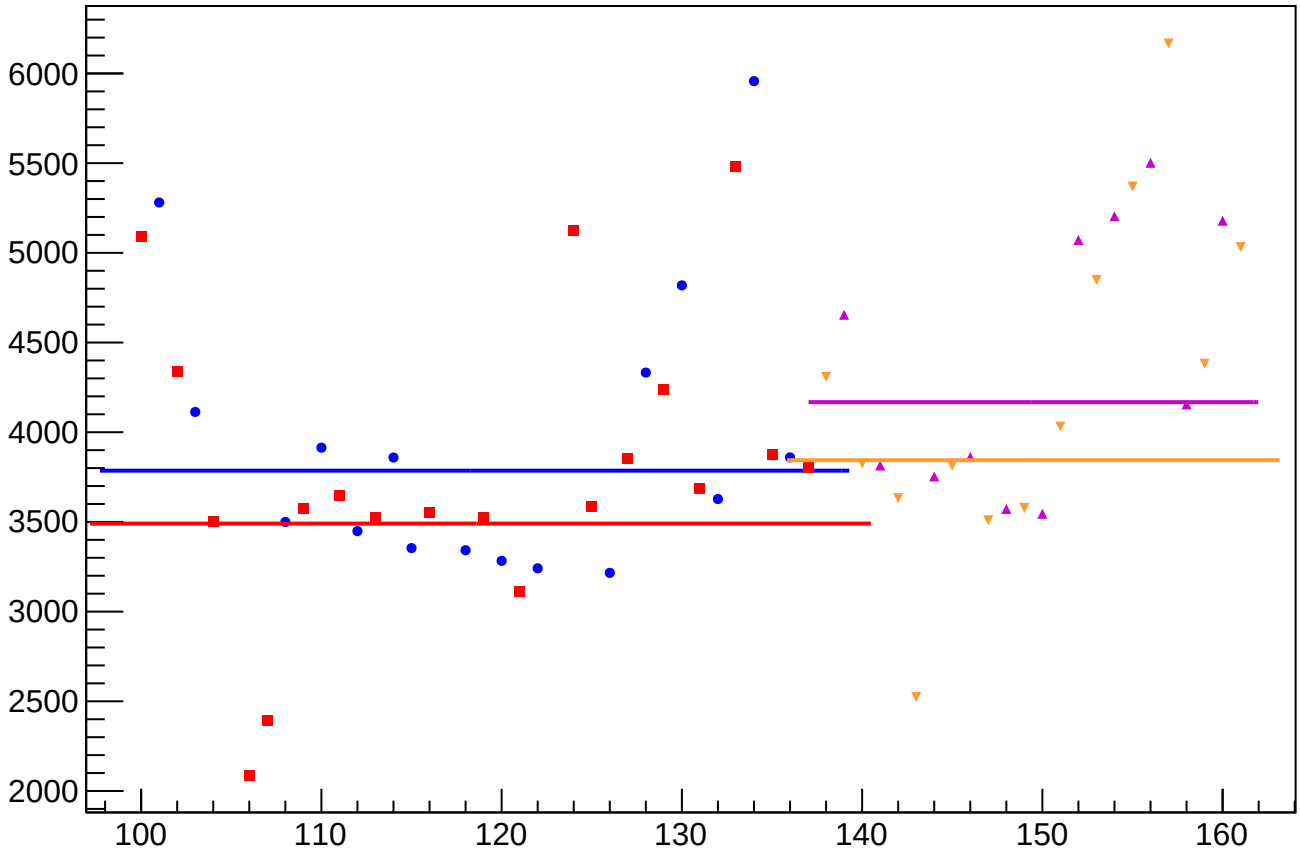
Left: 736.493+/-915.308 χ^2/NDF: 20.4/23

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 339.366+/-905.639 χ^2/NDF:26.3/31

All: 56.791+/-667.895 χ^2/NDF: 51.1/58



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3843.968+/-0.871 χ^2/NDF:1044847.1/12

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

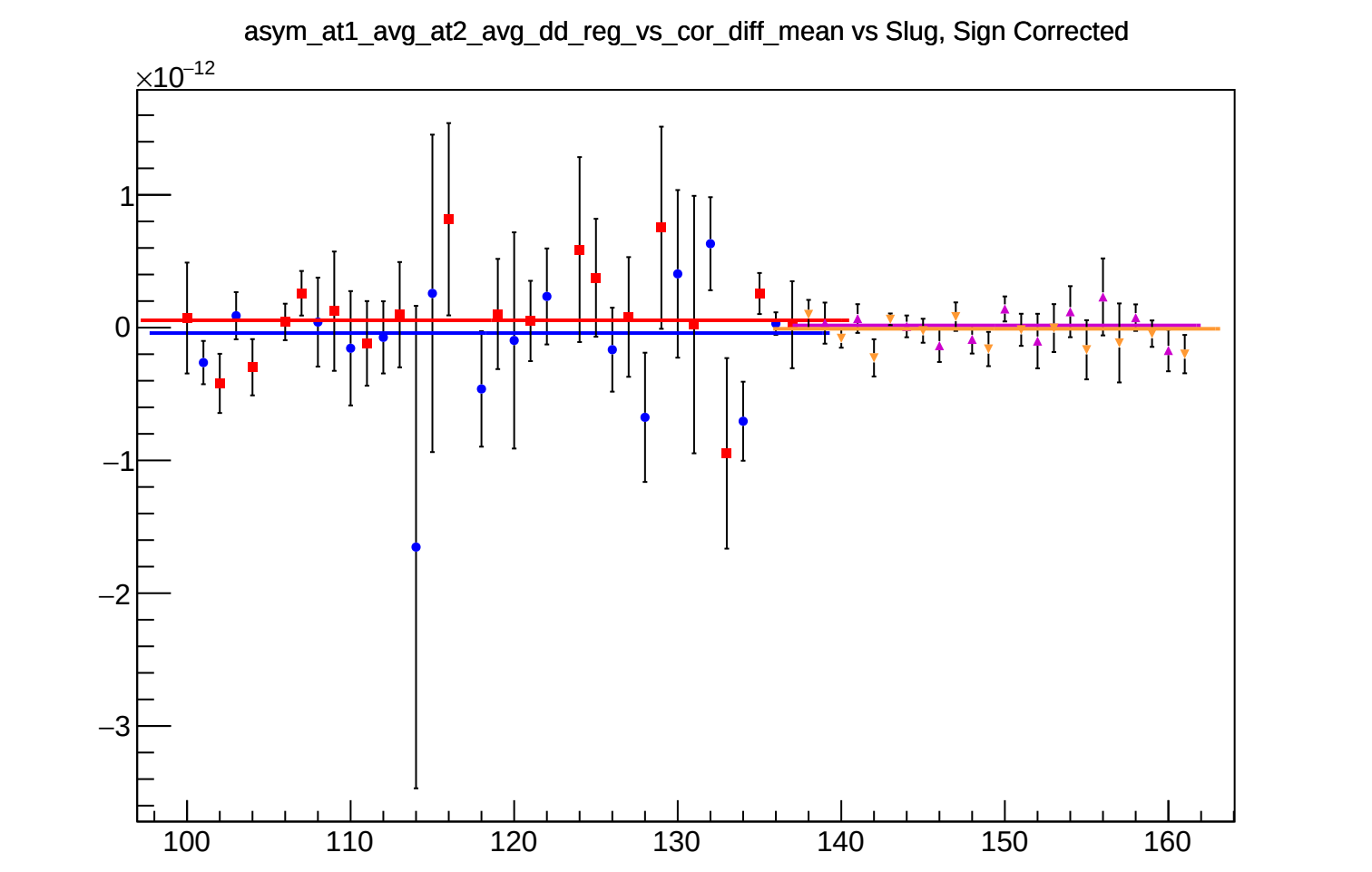
Left: 3988.970+/-0.647 χ^2/NDF: 1558355.5/23

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3985.466+/-0.699 χ^2/NDF:909054.4/26

Out: 3679.201+/-0.636 χ^2/NDF:1708302.3/31

All: 3817.929+/-0.471 χ^2/NDF: 2722287.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

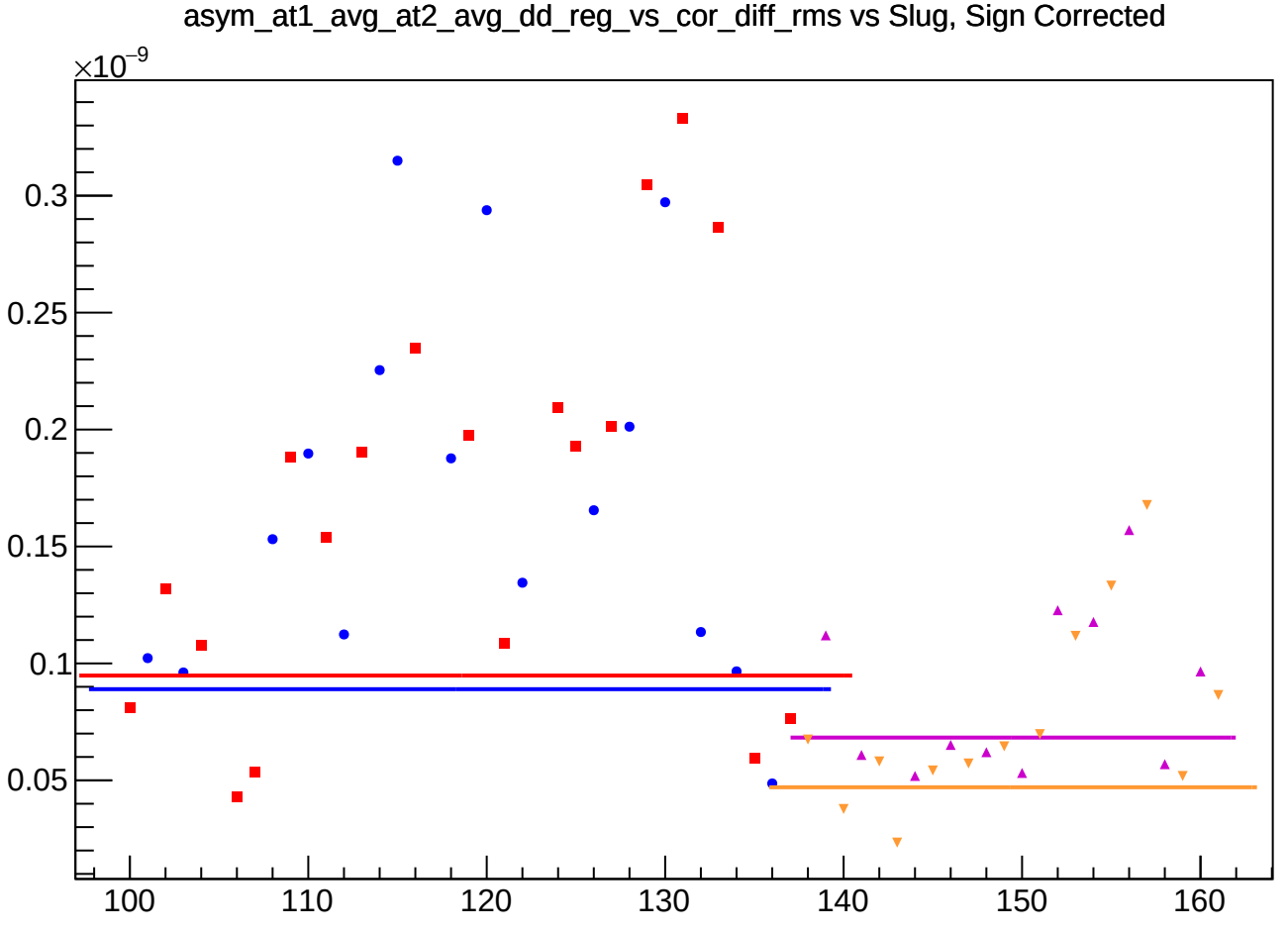
Left: -0.000+/-0.000 χ^2/NDF: 19.5/23

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:28.5/31

All: 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3172004.9/23

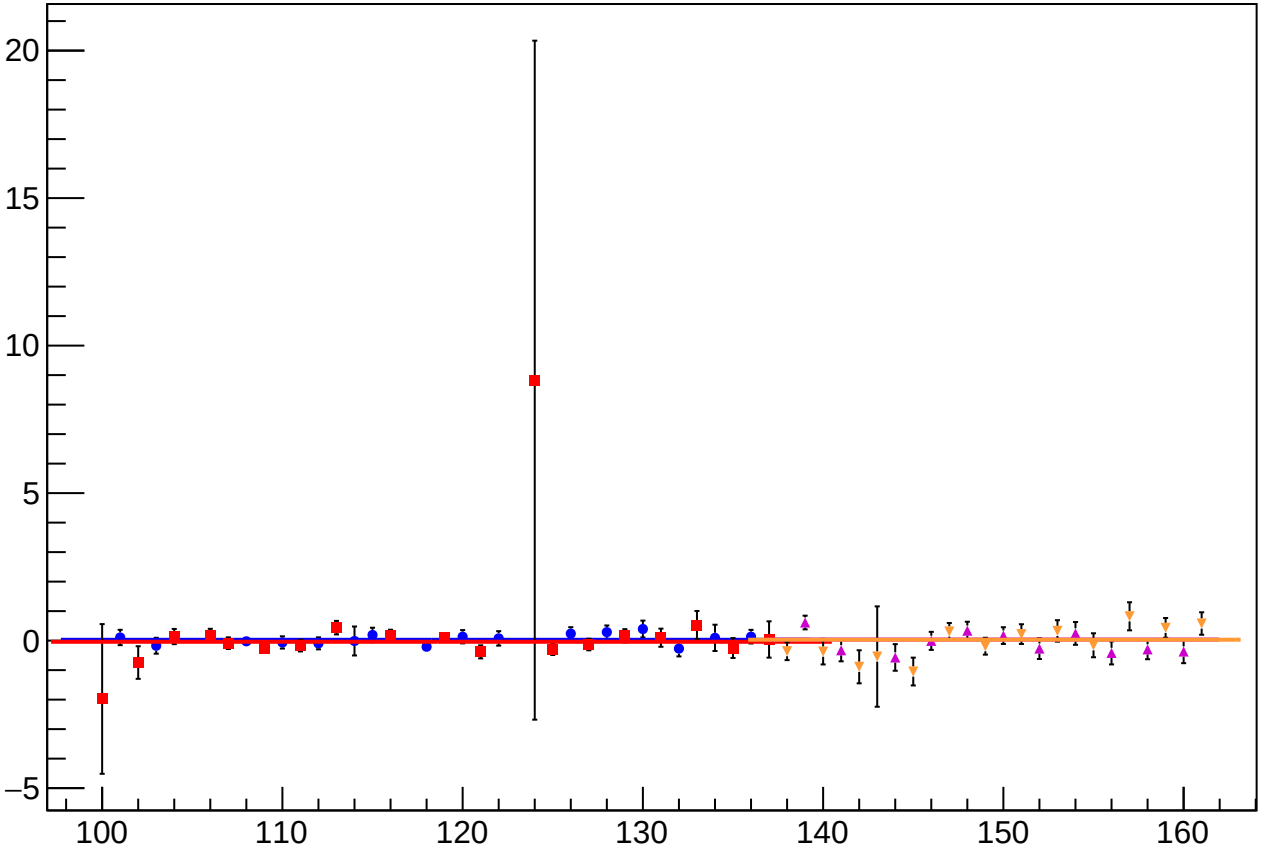
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4557854.0/31

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

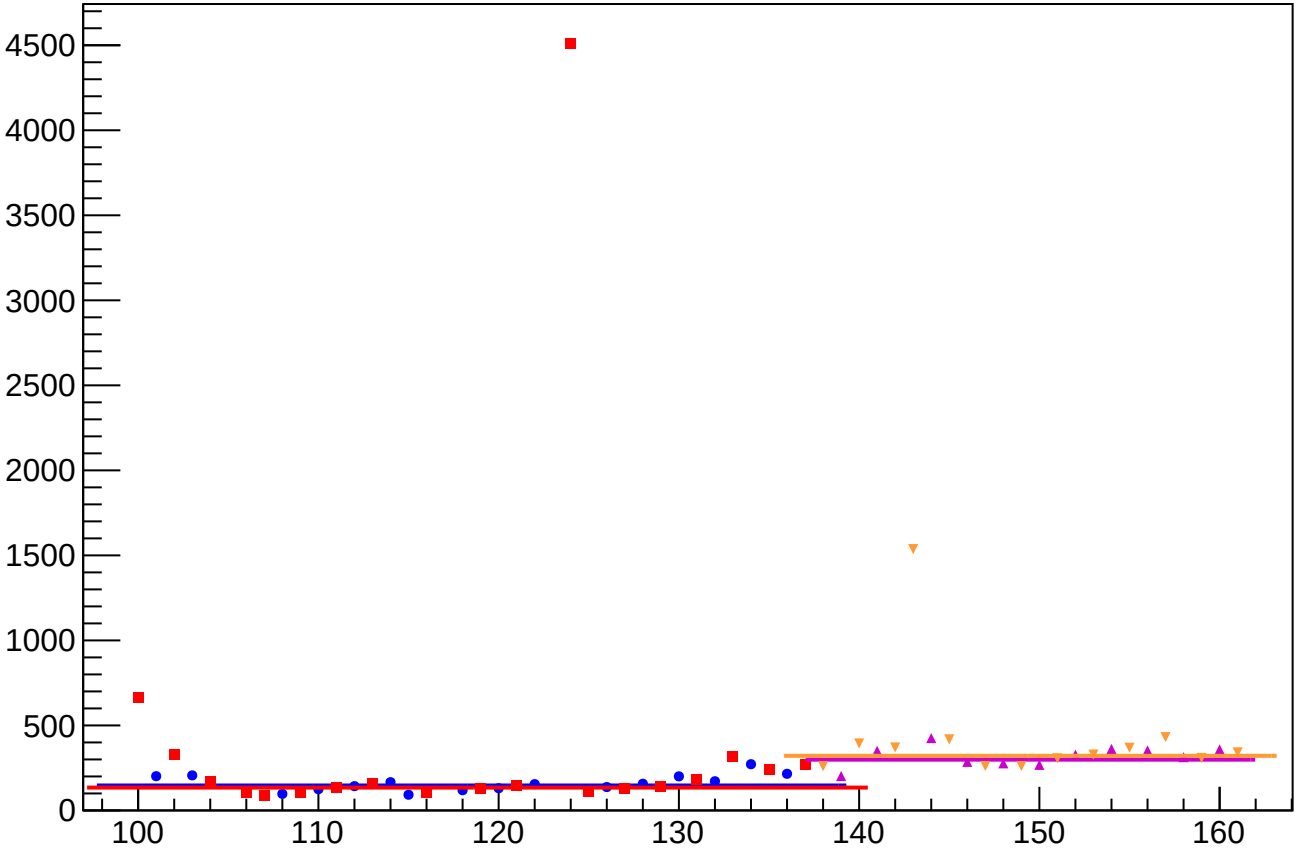
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

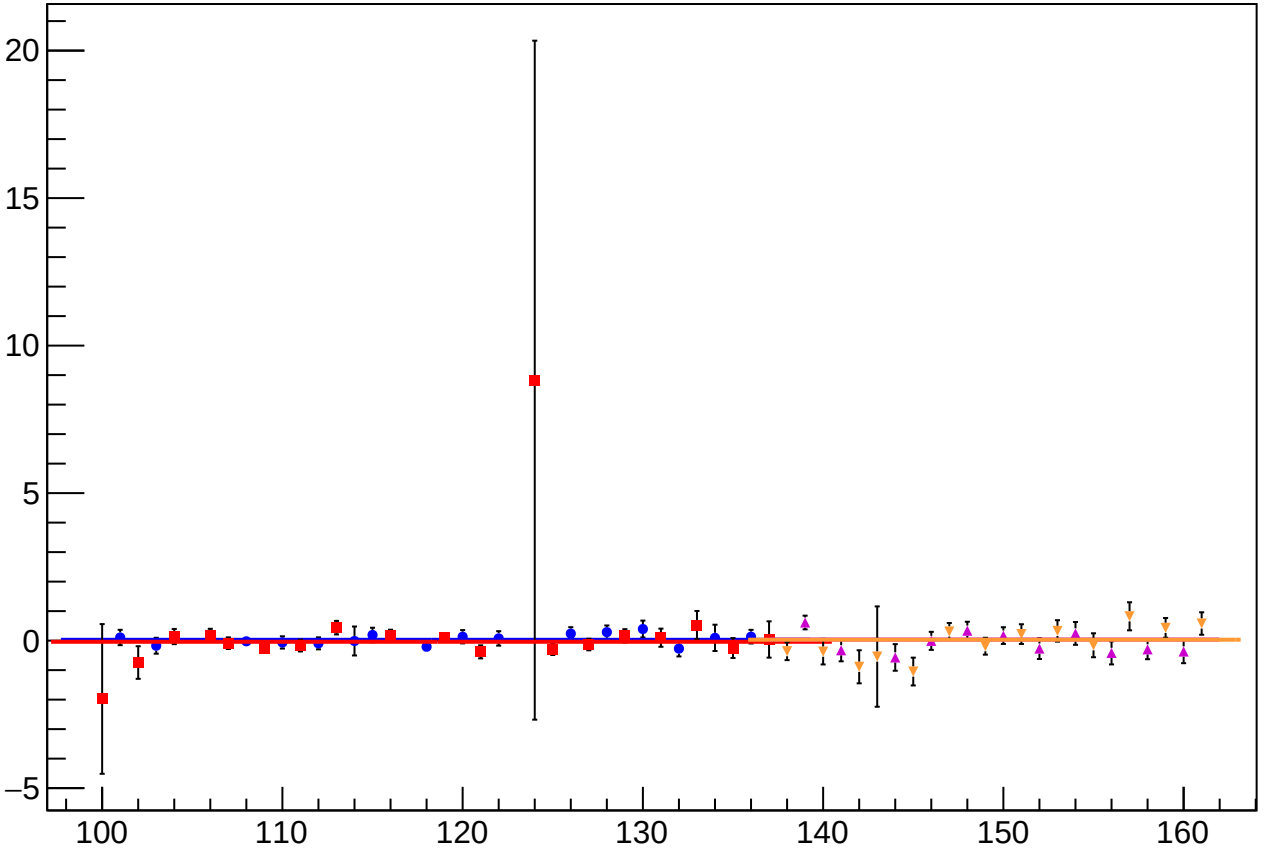
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

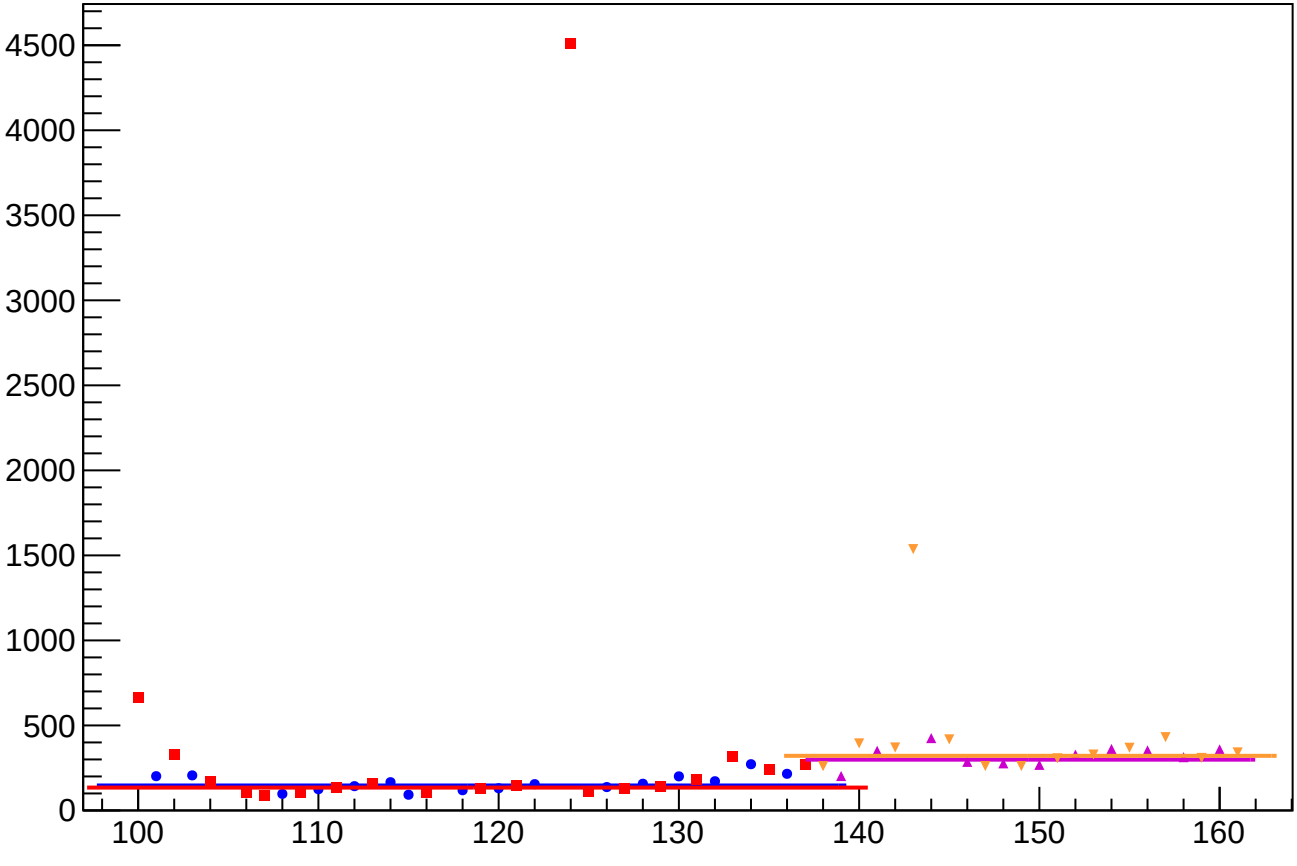
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

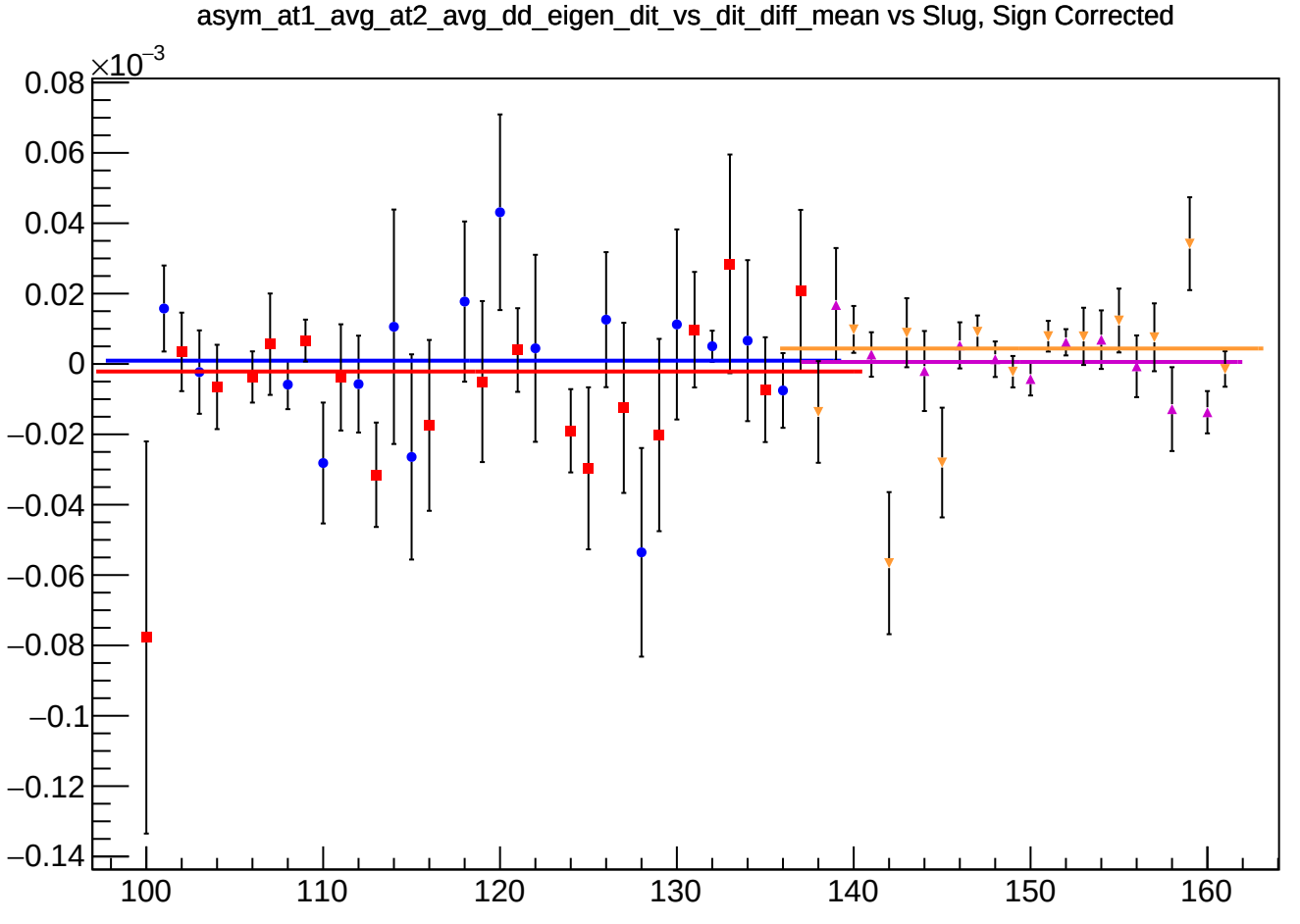
Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

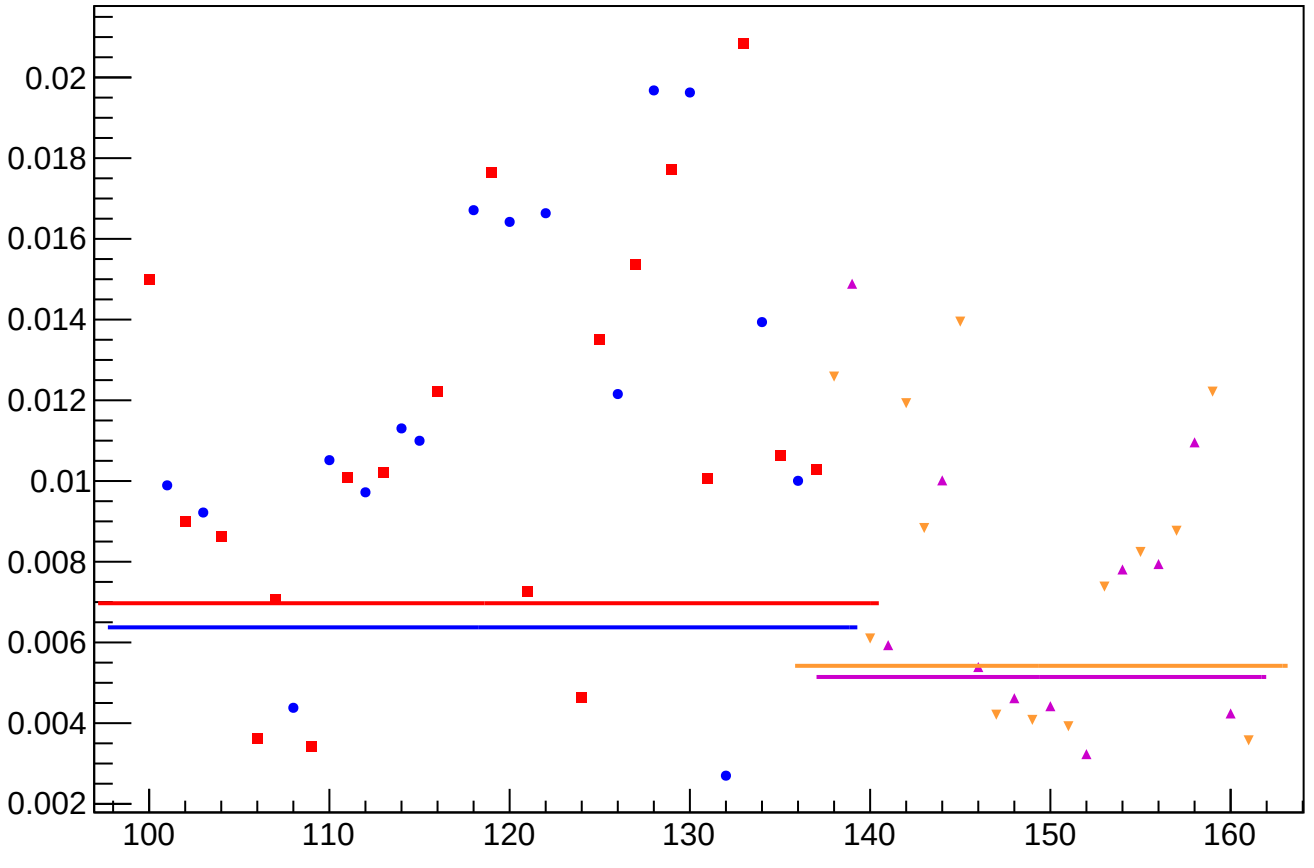
Left: 0.000+/-0.000 χ^2/NDF: 41.8/23

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: 0.000+/-0.000 χ^2/NDF:46.6/31

All: 0.000+/-0.000 χ^2/NDF: 74.7/58



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:3461386.7/12

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 6130699.2/23

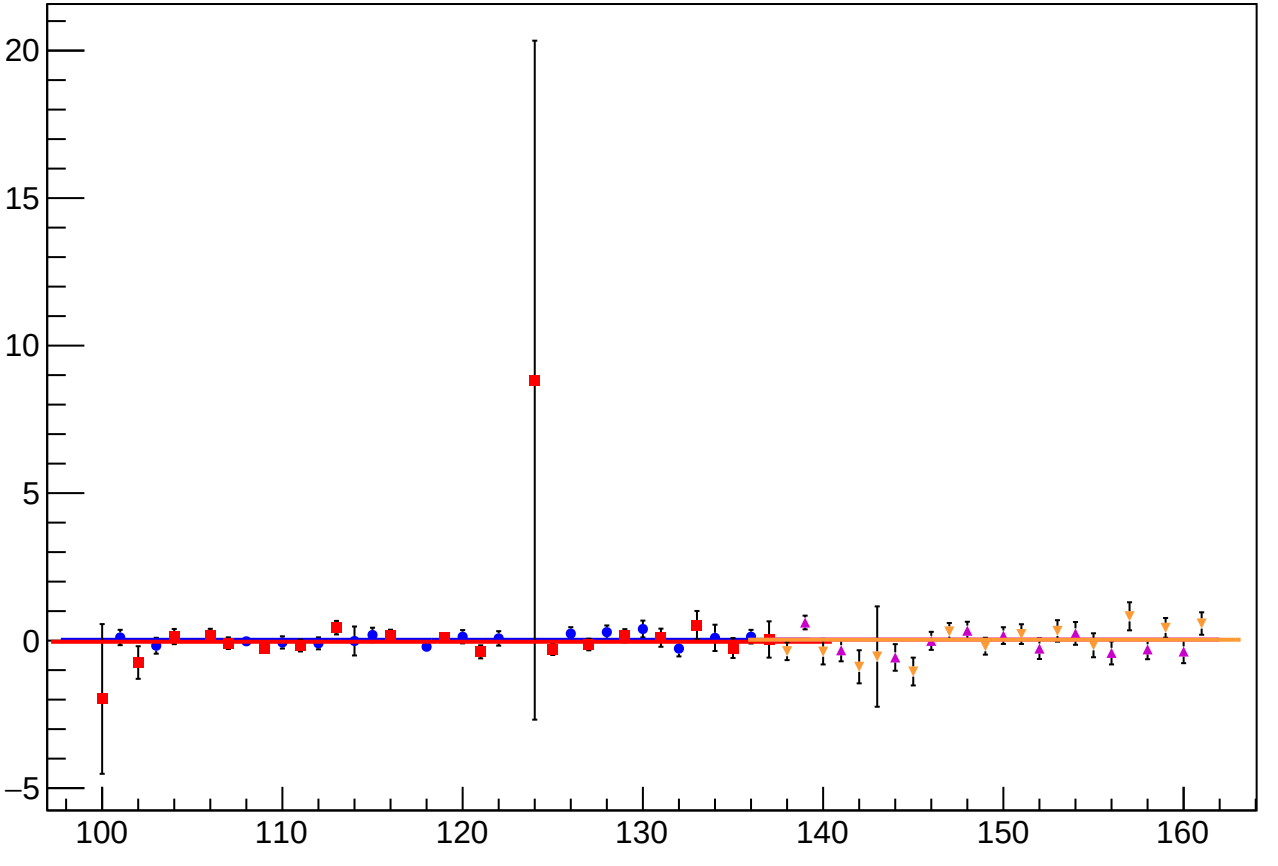
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:7250101.7/31

All: 0.006+/-0.000 χ^2/NDF: 14835992.4/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

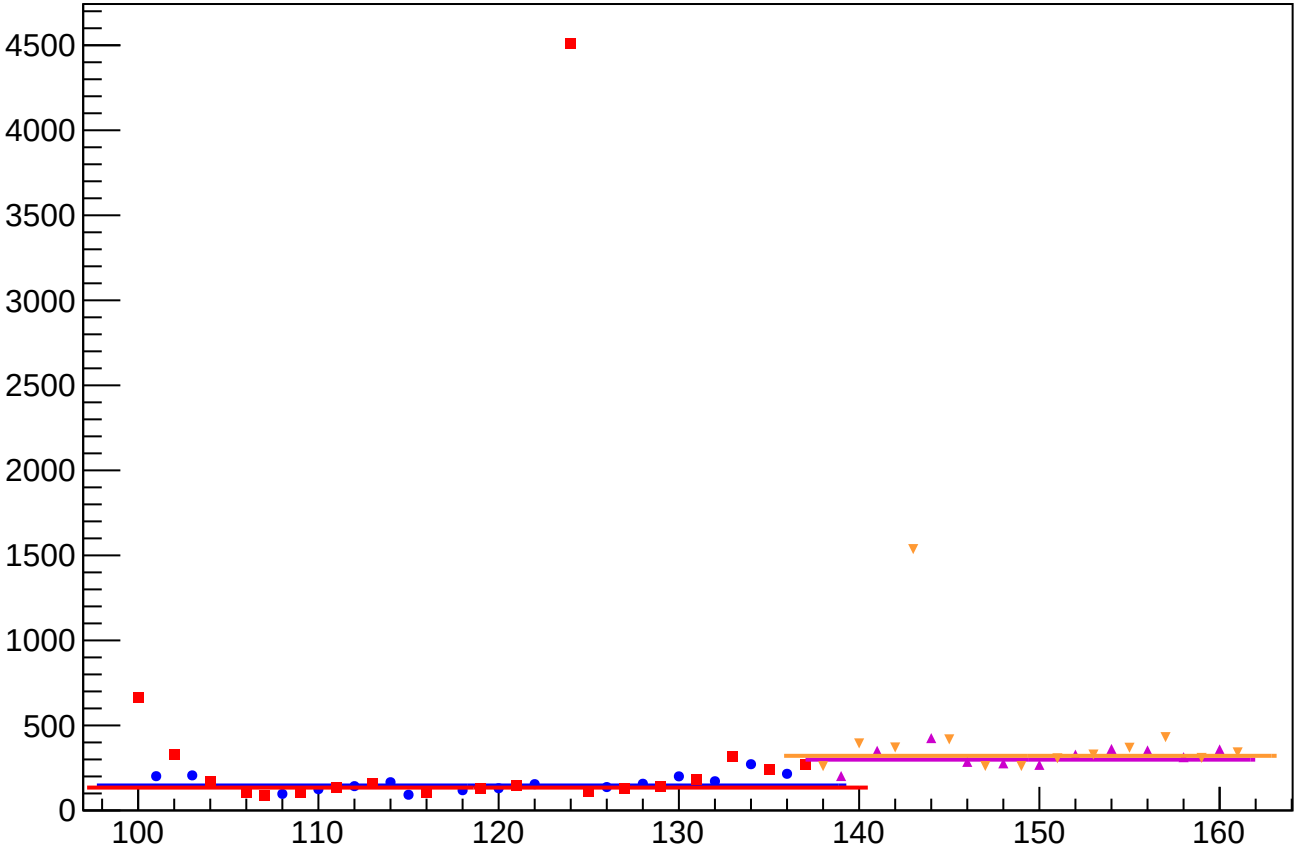
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

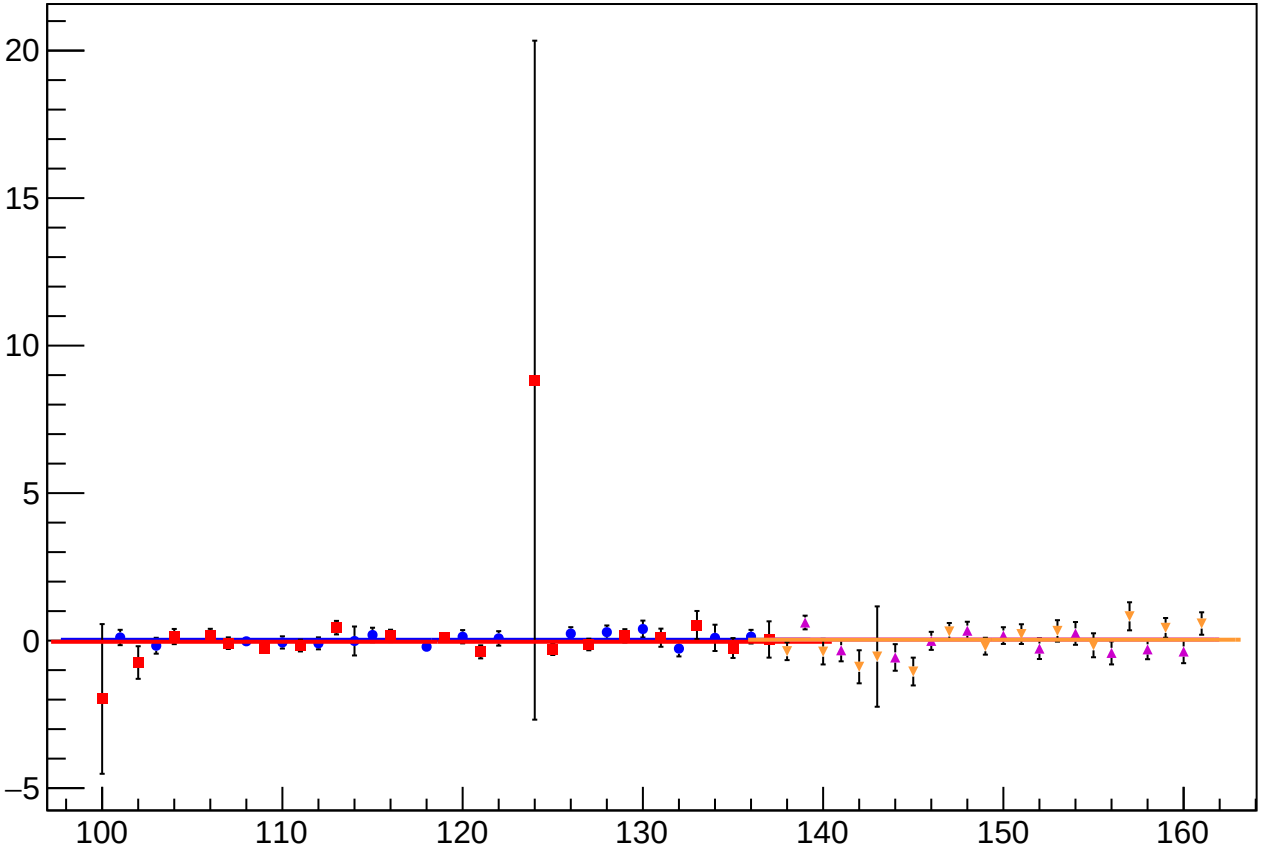
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

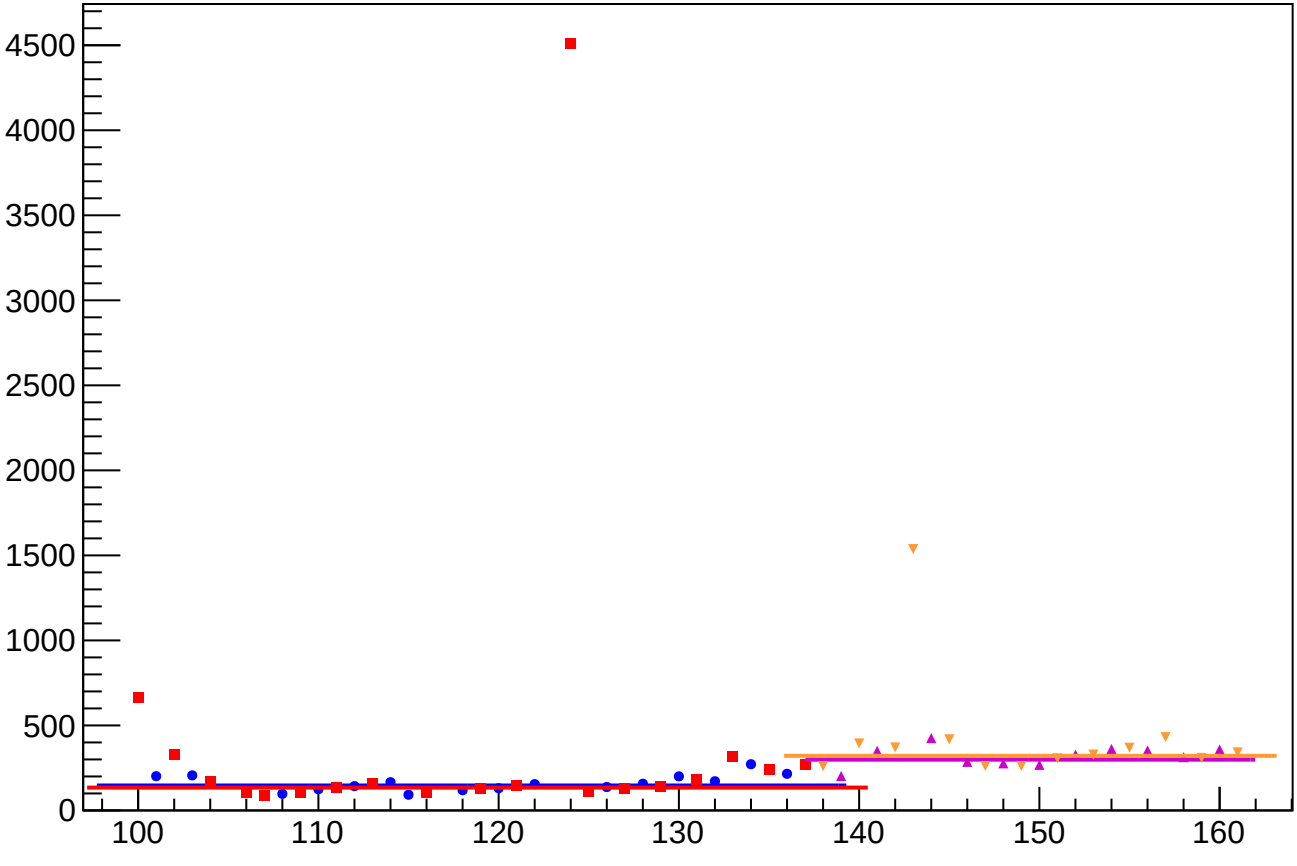
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

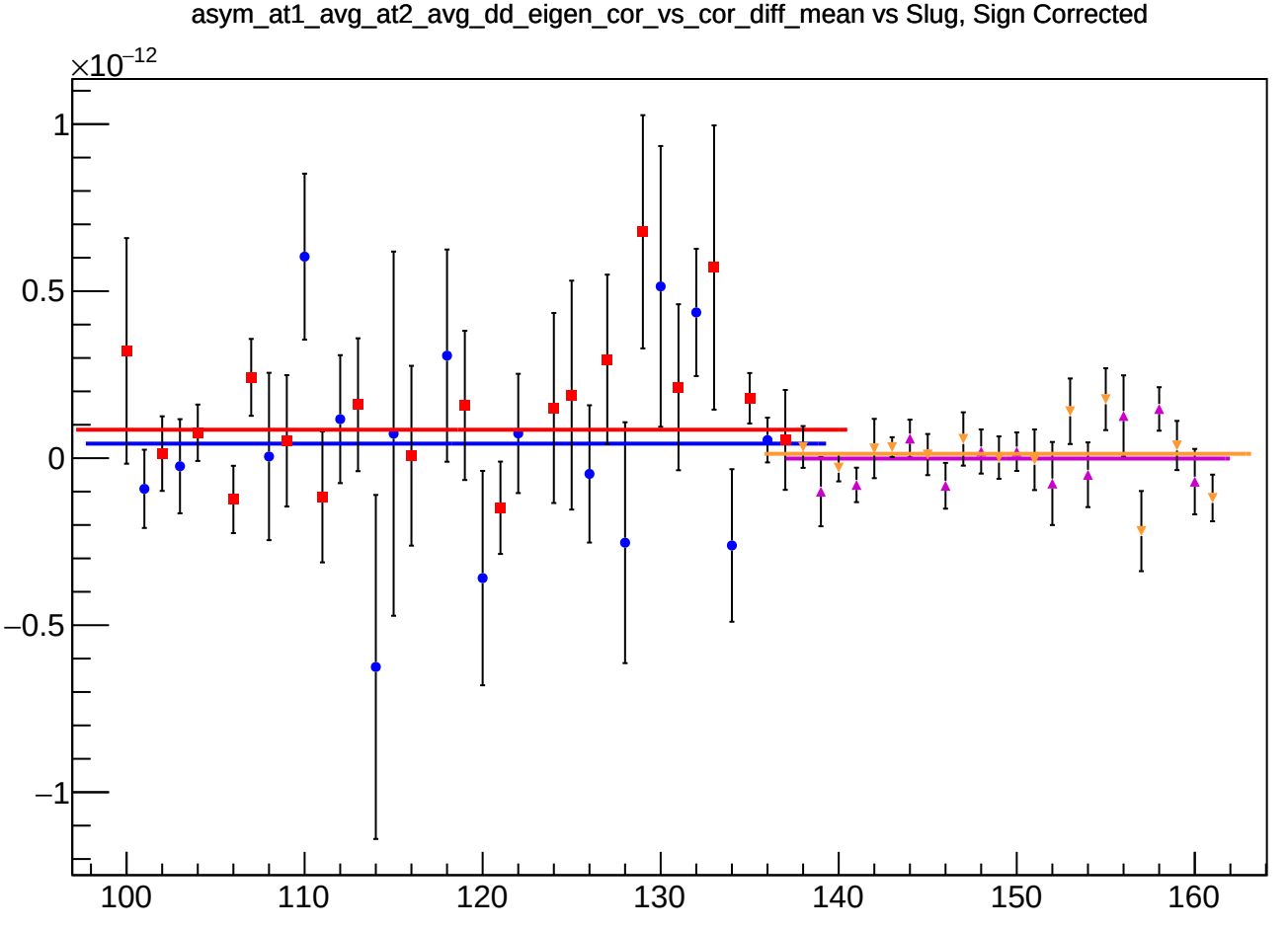
Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

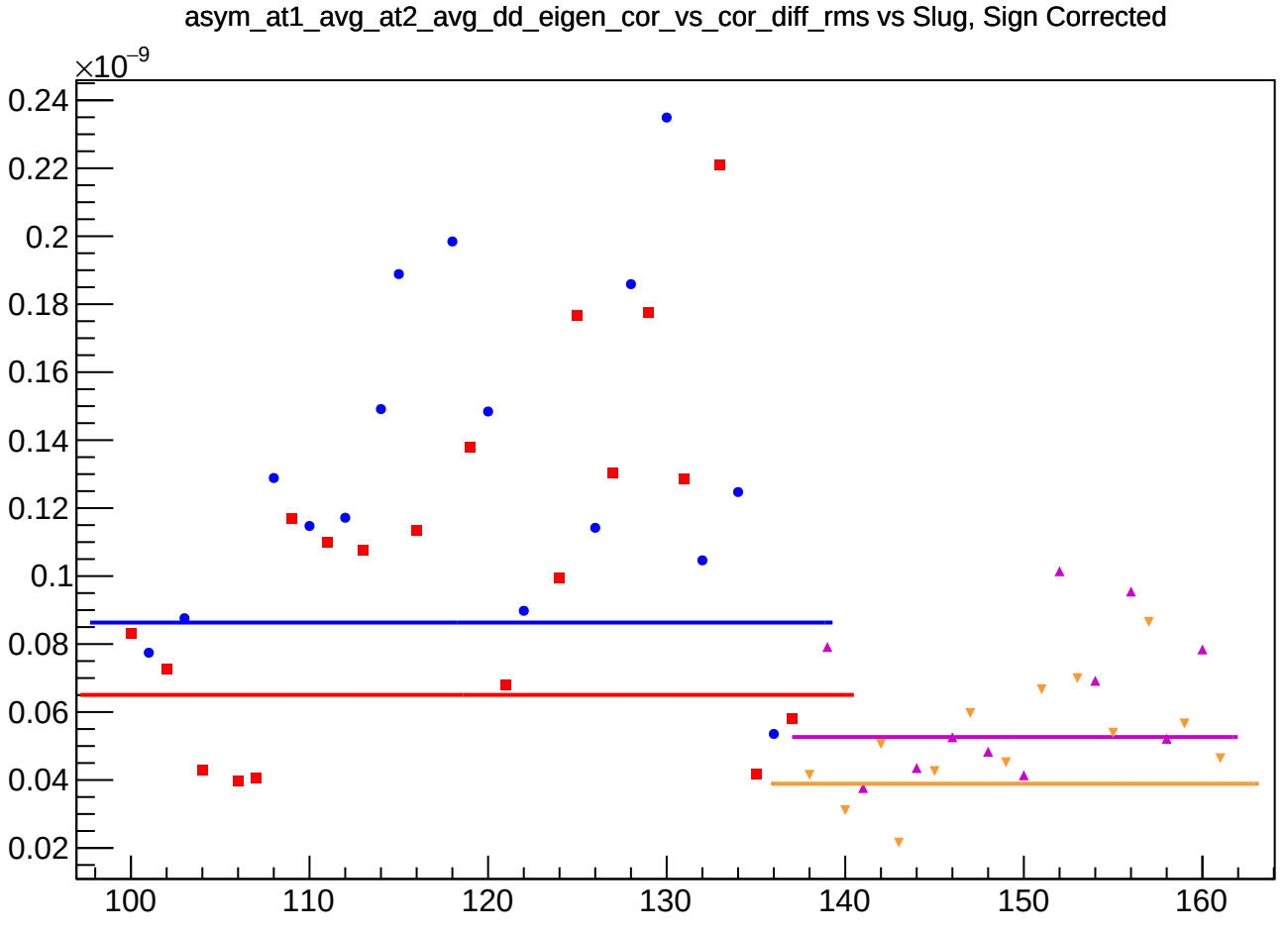
Left: 0.000+/-0.000 χ^2/NDF: 27.9/23

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:36.0/31

All: 0.000+/-0.000 χ^2/NDF: 69.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849570.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

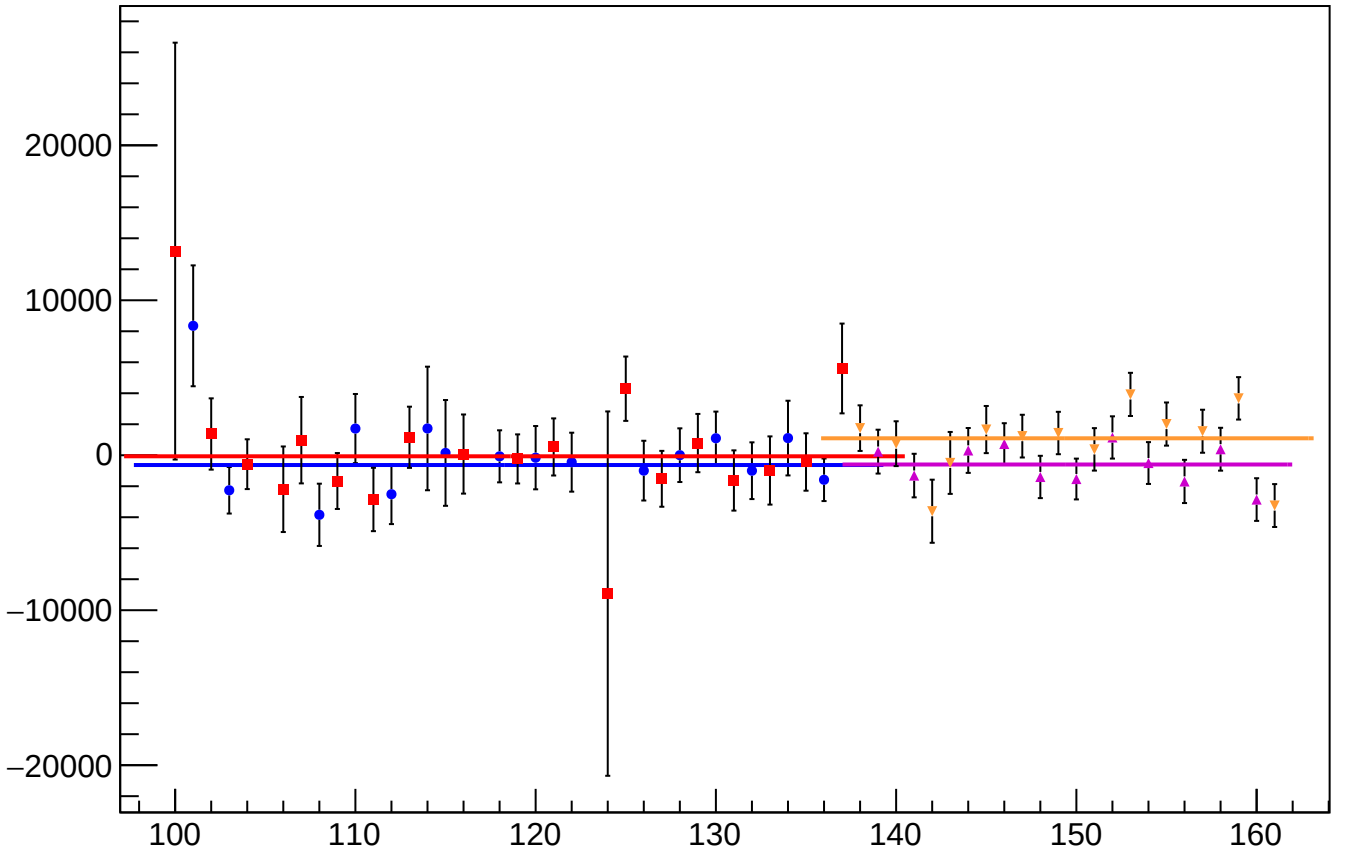
Left: 0.000+/-0.000 χ^2/NDF: 3538840.0/23

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3741570.3/26

Out: 0.000+/-0.000 χ^2/NDF:4950506.0/31

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -597.367+/-415.077 χ^2/NDF:8.3/10

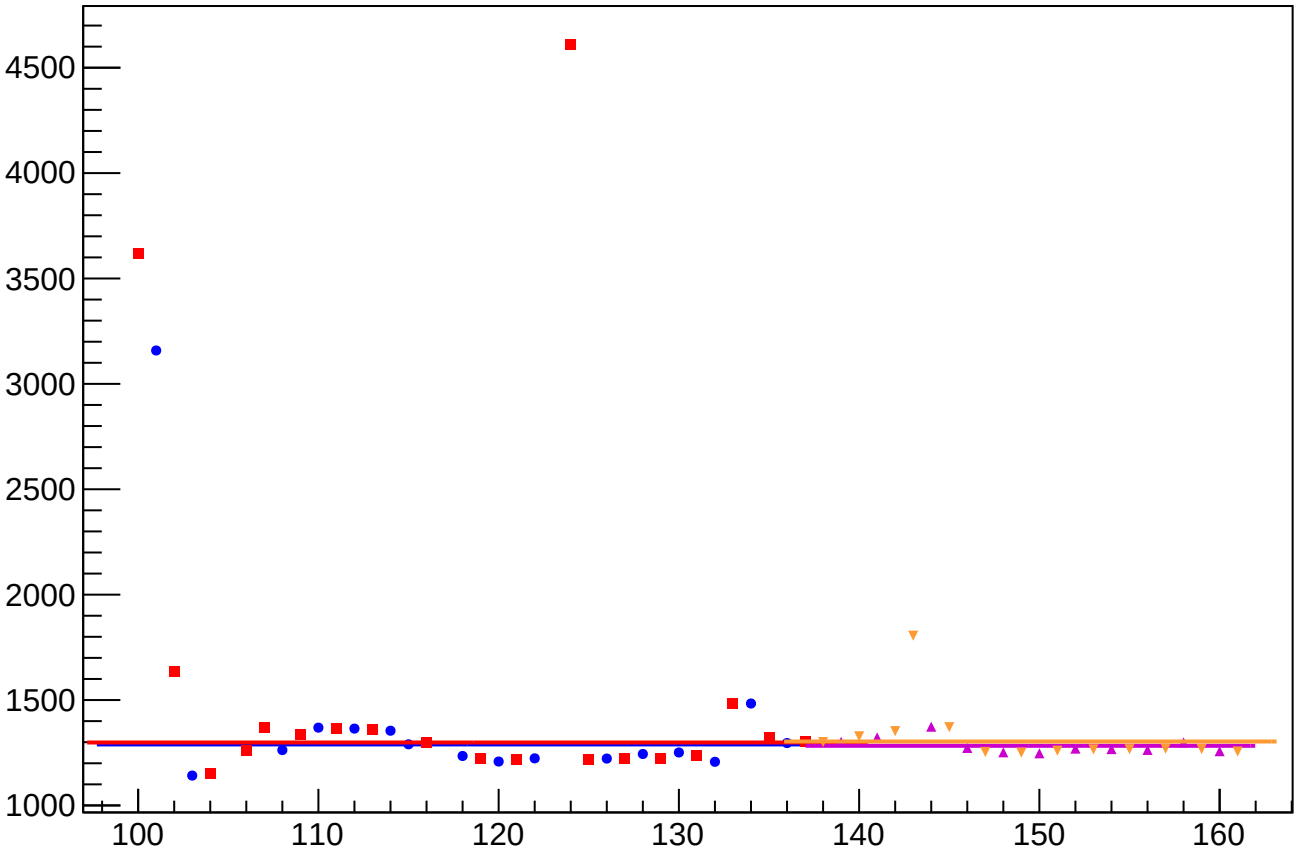
Left: 266.604+/-290.288 χ^2/NDF: 41.5/23

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -611.480+/-316.355 χ^2/NDF:22.2/26

Out: 618.220+/-312.102 χ^2/NDF:44.0/31

All: 11.691+/-222.178 χ^2/NDF: 73.8/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

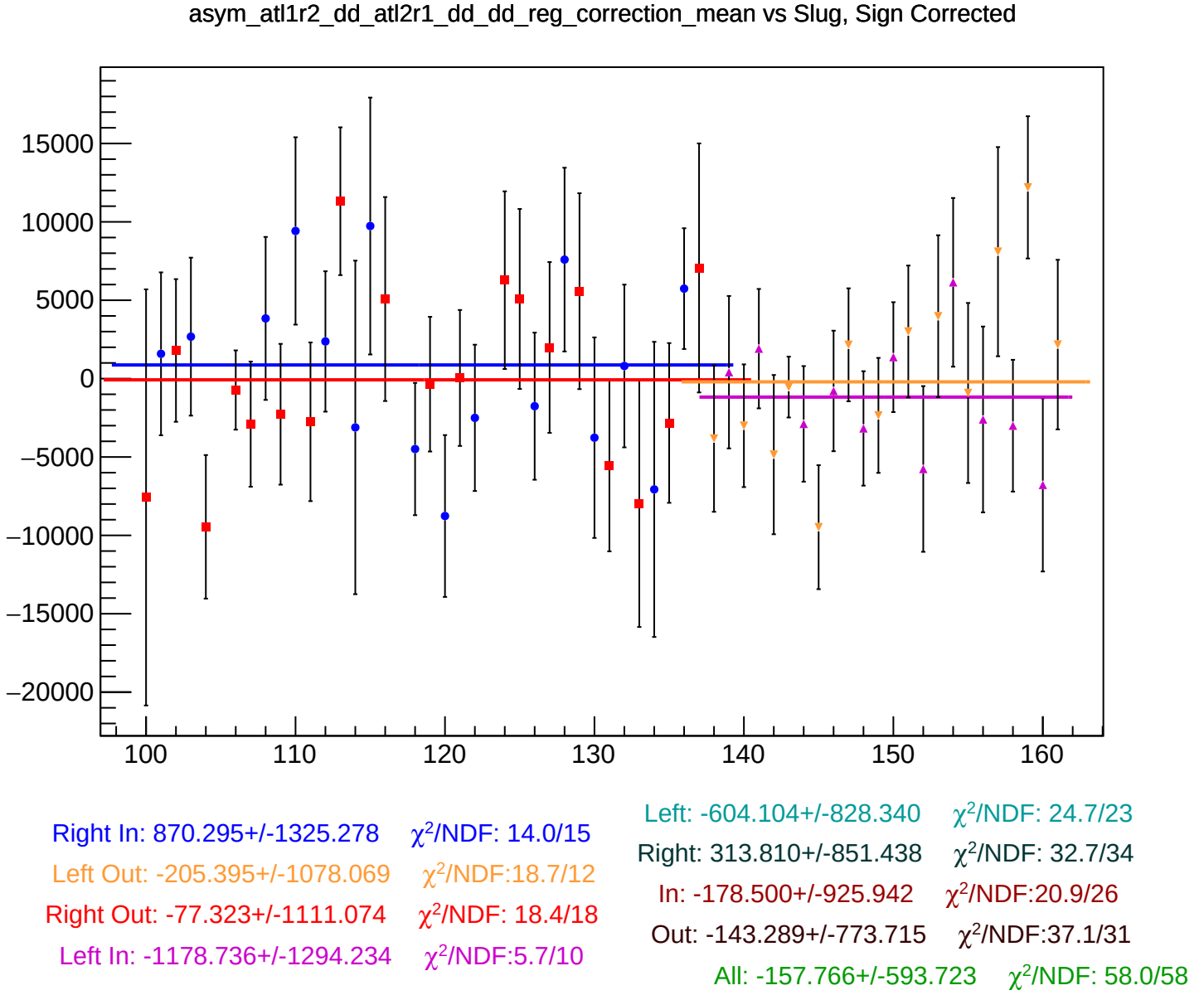
Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

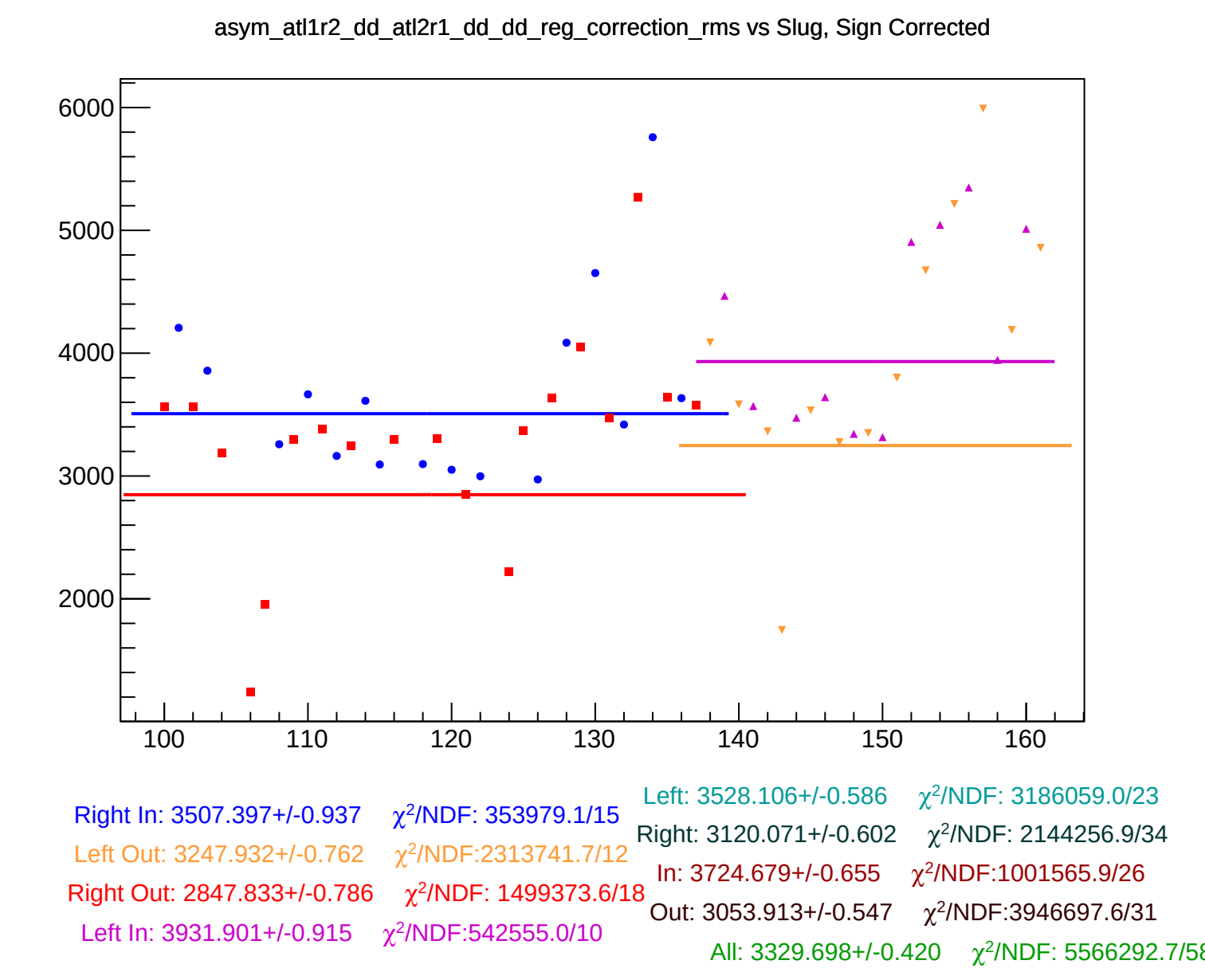
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

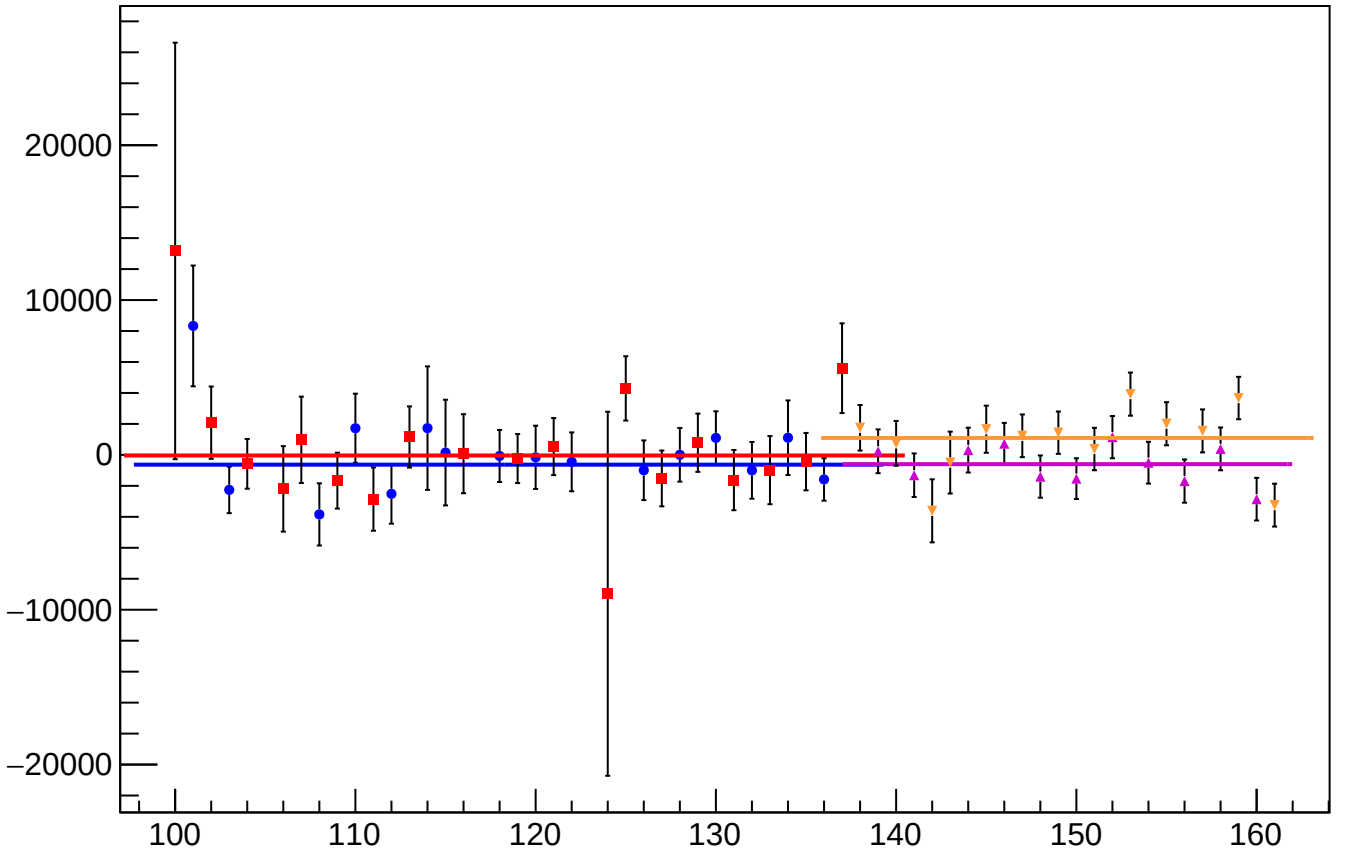
In: 1285.634+/-0.224 χ^2/NDF:529109.1/26

Out: 1301.422+/-0.220 χ^2/NDF:466728.8/31

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -205.395+/-1078.069 χ²/NDF:18.7/12
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1178.736+/-1294.234 χ²/NDF:5.7/10
Left: -604.104+/-828.340 χ²/NDF: 24.7/23
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -178.500+/-925.942 χ²/NDF:20.9/26
Out: -143.289+/-773.715 χ²/NDF:37.1/31
All: -157.766+/-593.723 χ²/NDF: 58.0/58


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3247.932+/-0.762 χ²/NDF:2313741.7/12
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3931.901+/-0.915 χ²/NDF:542555.0/10
Left: 3528.106+/-0.586 χ²/NDF: 3186059.0/23
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3724.679+/-0.655 χ²/NDF:1001565.9/26
Out: 3053.913+/-0.547 χ²/NDF:3946697.6/31
All: 3329.698+/-0.420 χ²/NDF: 5566292.7/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

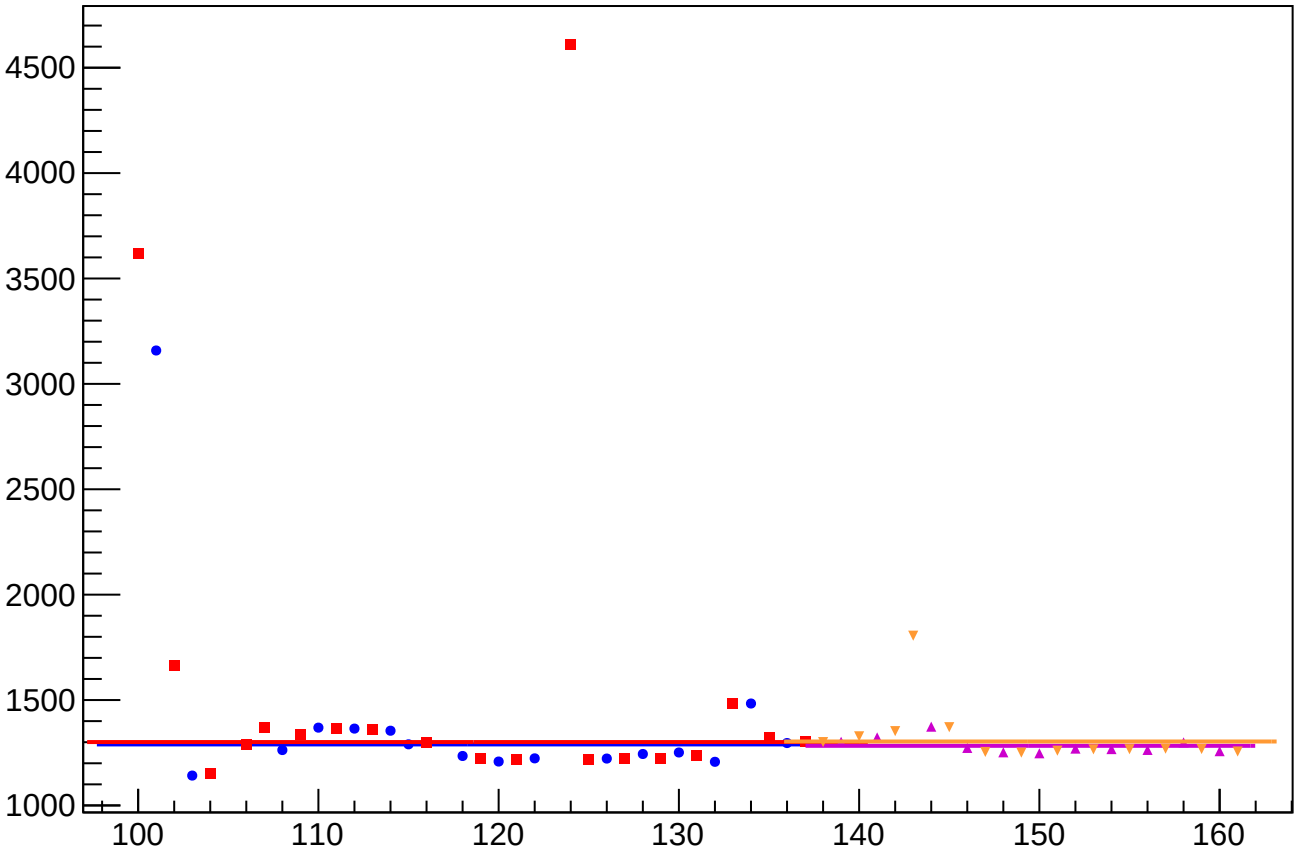
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

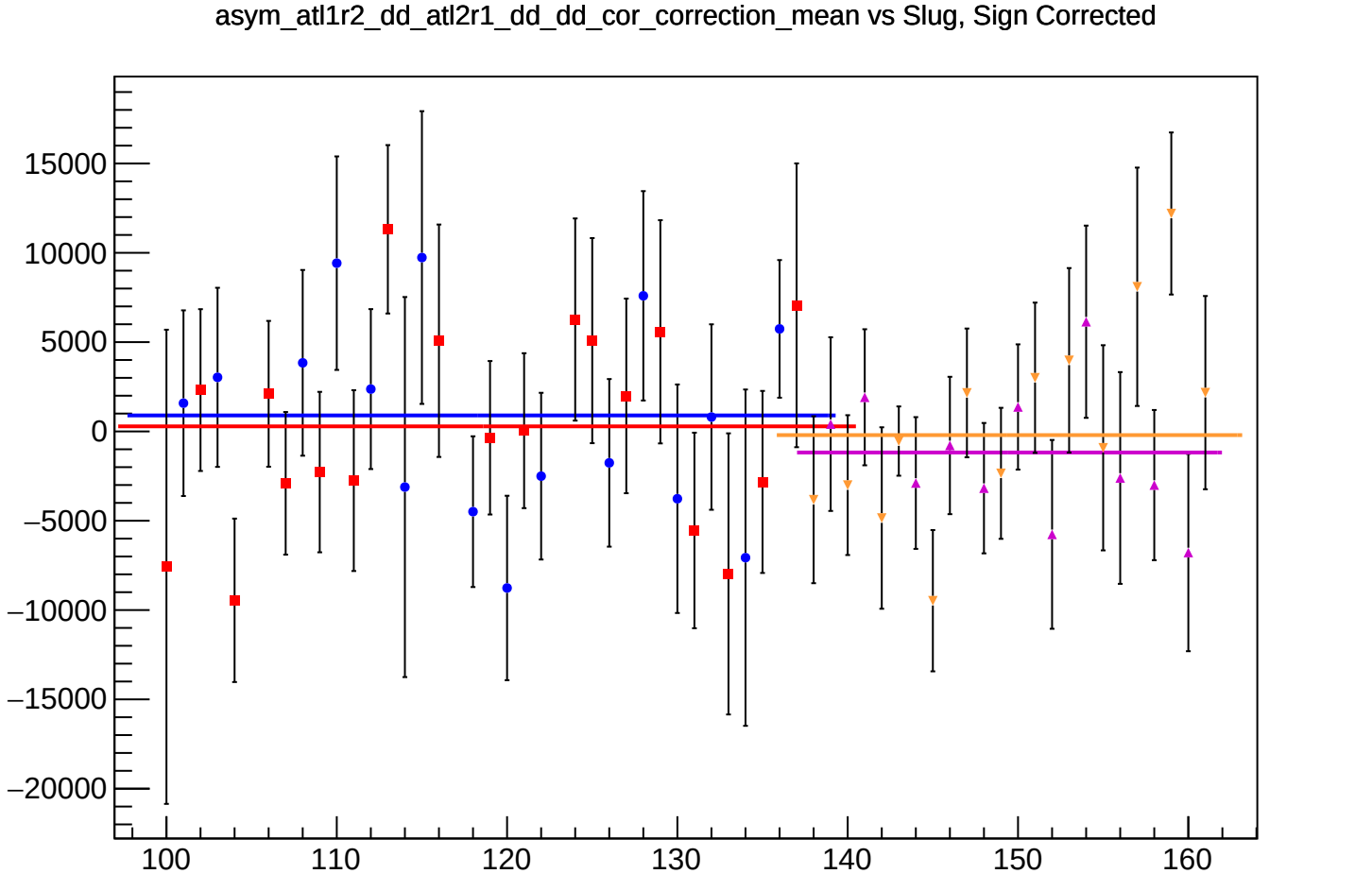
Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

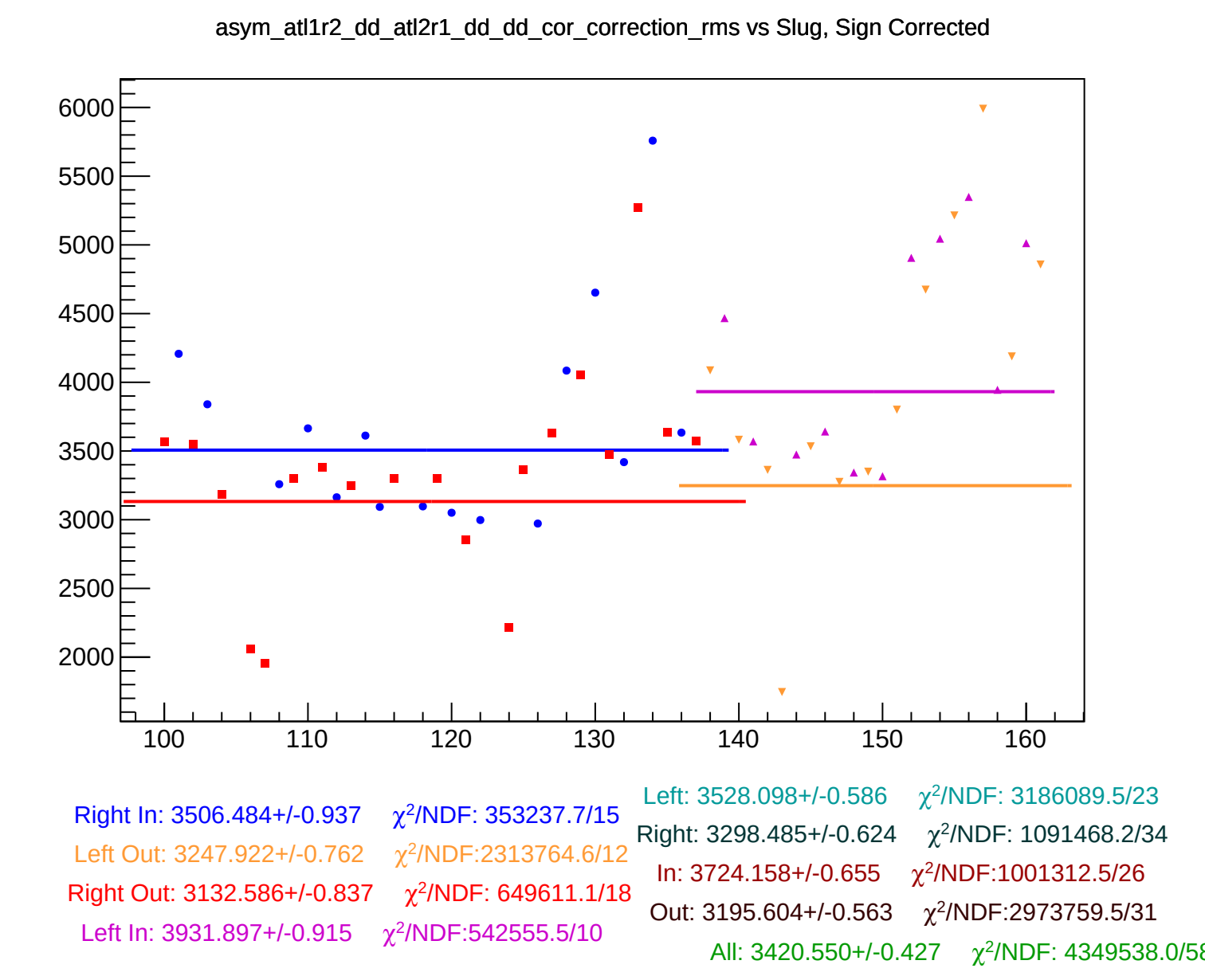
Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

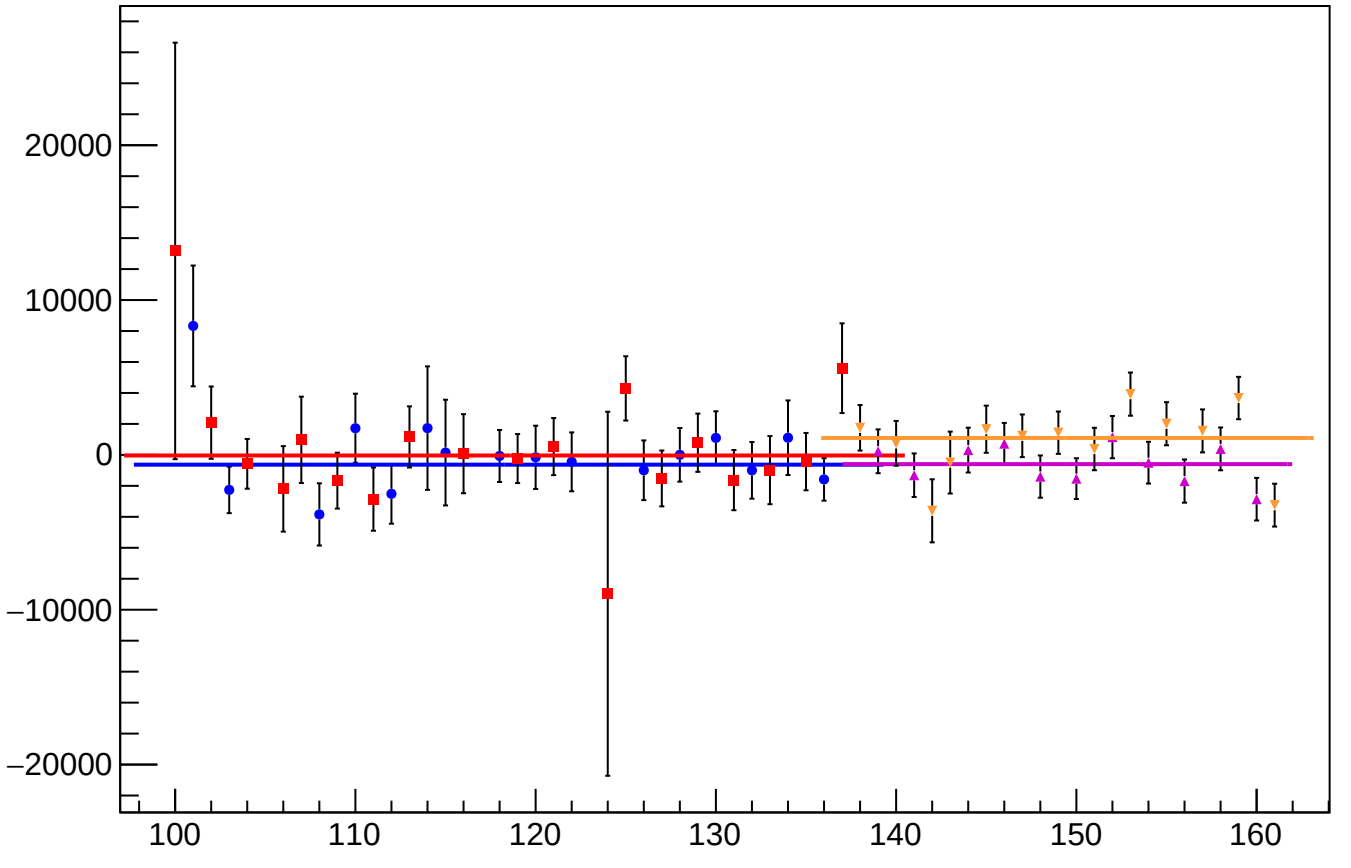
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3247.922+/-0.762 χ²/NDF:2313764.6/12
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 3931.897+/-0.915 χ²/NDF:542555.5/10
Left: 3528.098+/-0.586 χ²/NDF: 3186089.5/23
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3724.158+/-0.655 χ²/NDF:1001312.5/26
Out: 3195.604+/-0.563 χ²/NDF:2973759.5/31
All: 3420.550+/-0.427 χ²/NDF: 4349538.0/58



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -597.365+/-415.077 χ^2/NDF:8.3/10

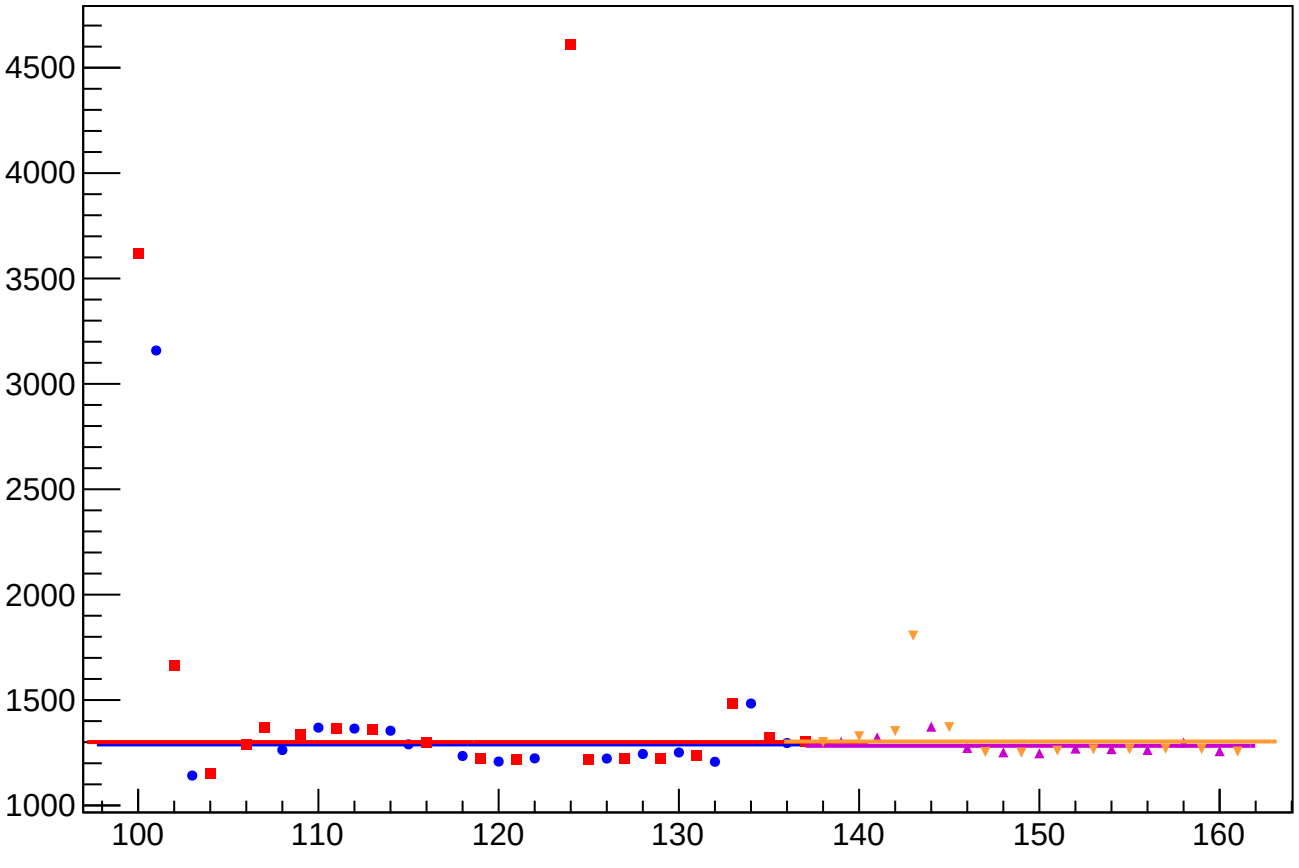
Left: 266.615+/-290.288 χ^2/NDF: 41.5/23

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -611.641+/-316.355 χ^2/NDF:22.2/26

Out: 630.476+/-312.187 χ^2/NDF:44.3/31

All: 17.654+/-222.209 χ^2/NDF: 74.3/58



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

Left: 1293.333+/-0.205 χ^2/NDF: 163954.3/23

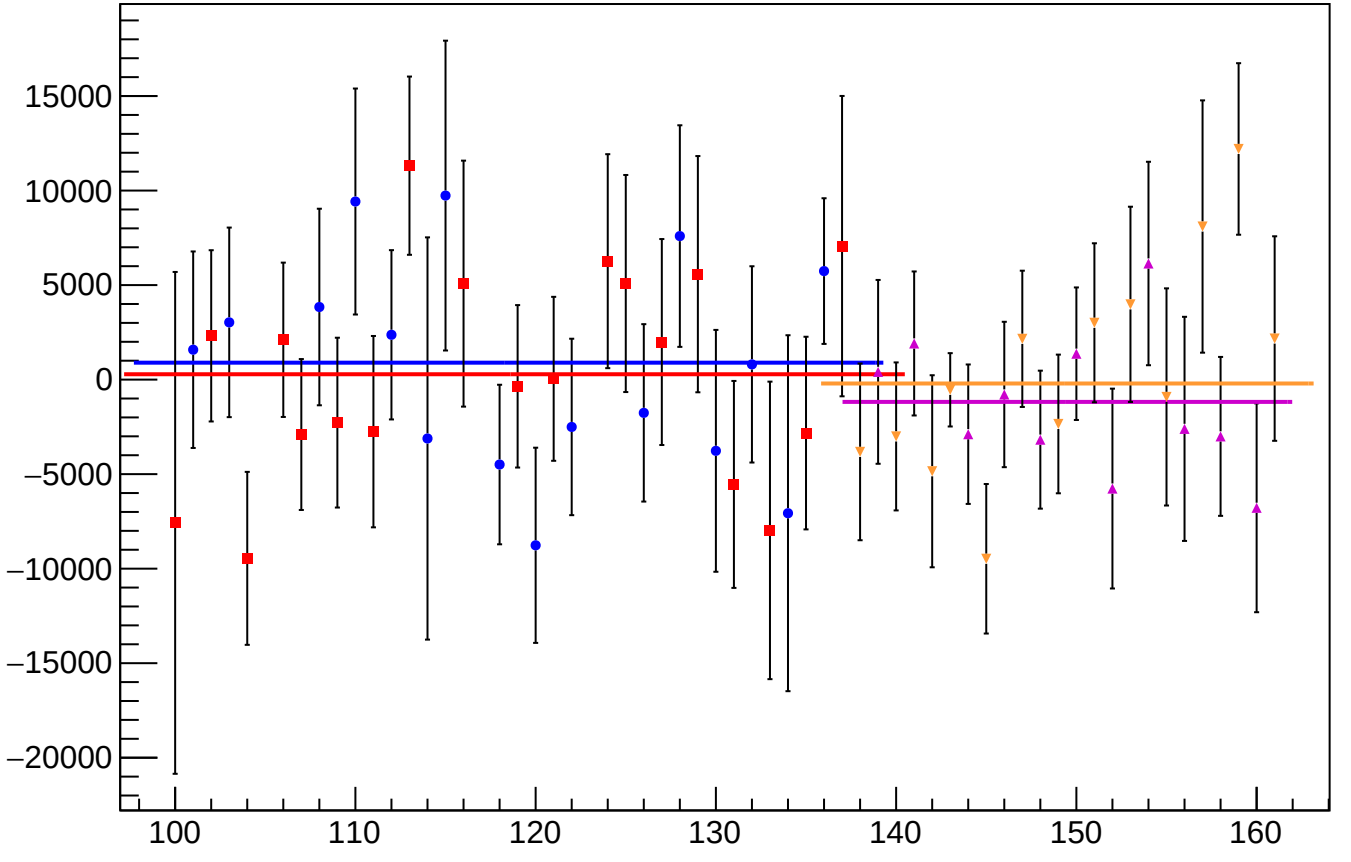
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1285.634+/-0.224 χ^2/NDF:529110.5/26

Out: 1302.257+/-0.221 χ^2/NDF:473187.2/31

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

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: -205.293+/-1078.066 χ^2/NDF:18.7/12

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1178.797+/-1294.233 χ^2/NDF:5.7/10

Left: -604.069+/-828.338 χ^2/NDF: 24.7/23

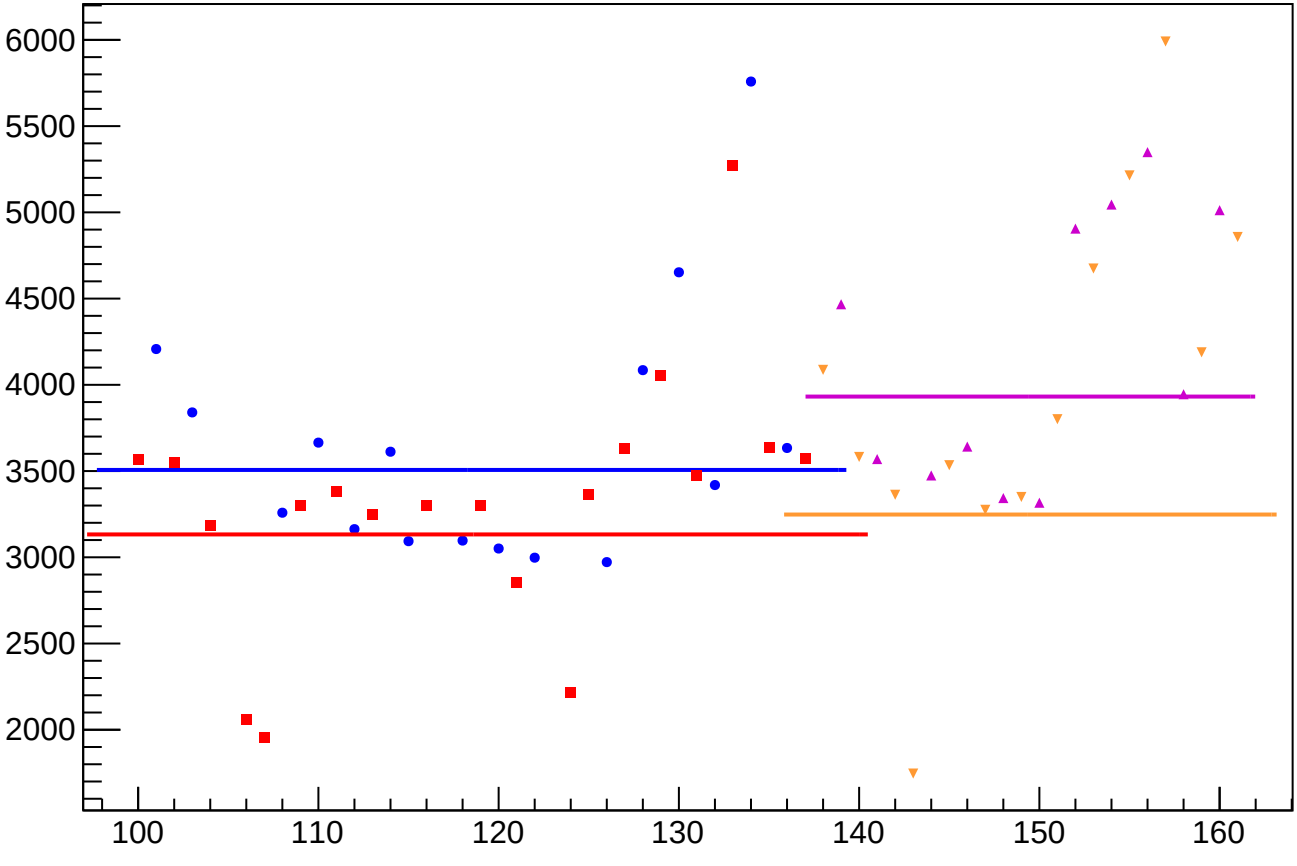
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -165.620+/-925.787 χ^2/NDF:21.0/26

Out: 16.642+/-796.881 χ^2/NDF:37.4/31

All: -60.926+/-603.956 χ^2/NDF: 58.5/58

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: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

Left: 3528.098+/-0.586 χ^2/NDF: 3186089.5/23

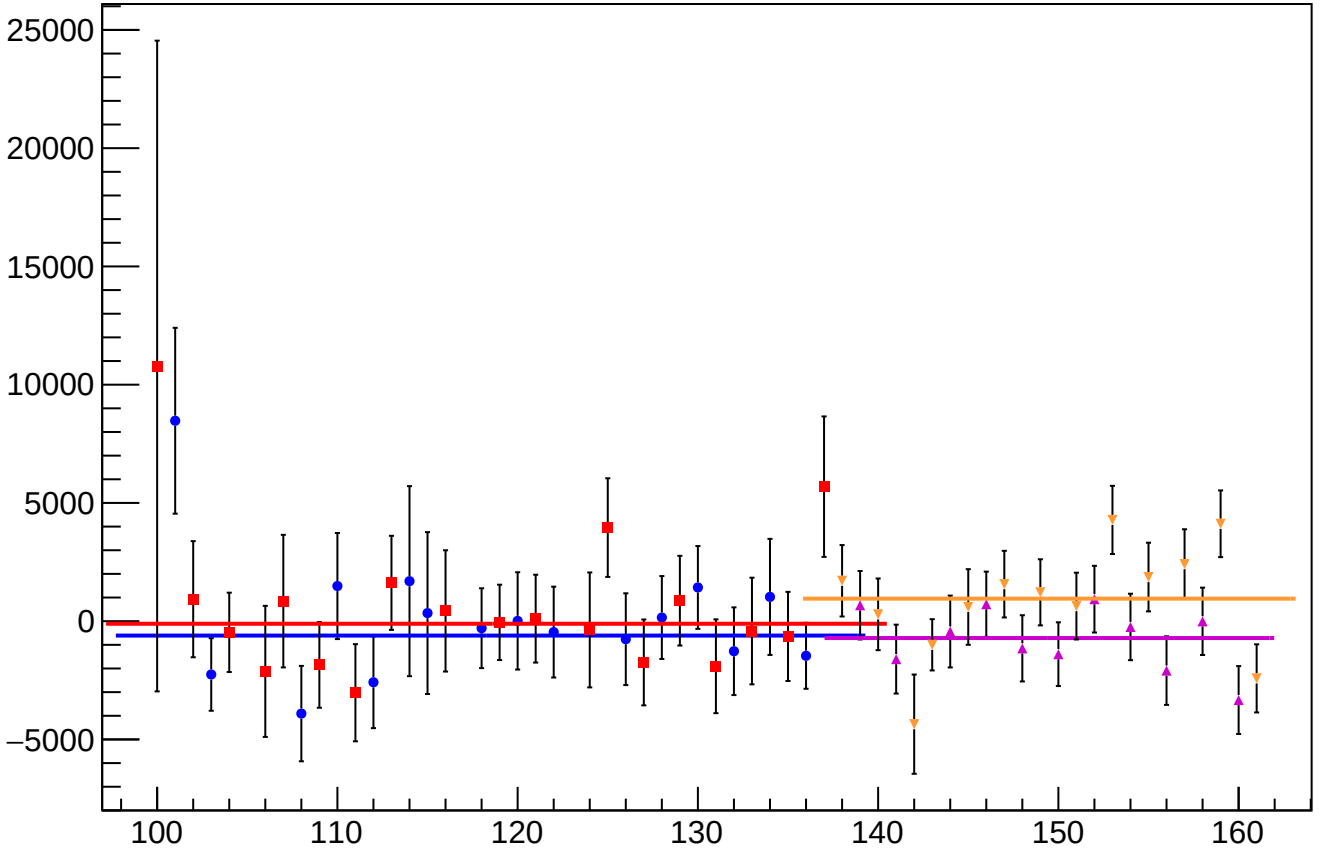
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3724.158+/-0.655 χ^2/NDF:1001312.5/26

Out: 3195.604+/-0.563 χ^2/NDF:2973759.5/31

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -712.705+/-428.982 χ^2/NDF:8.7/10

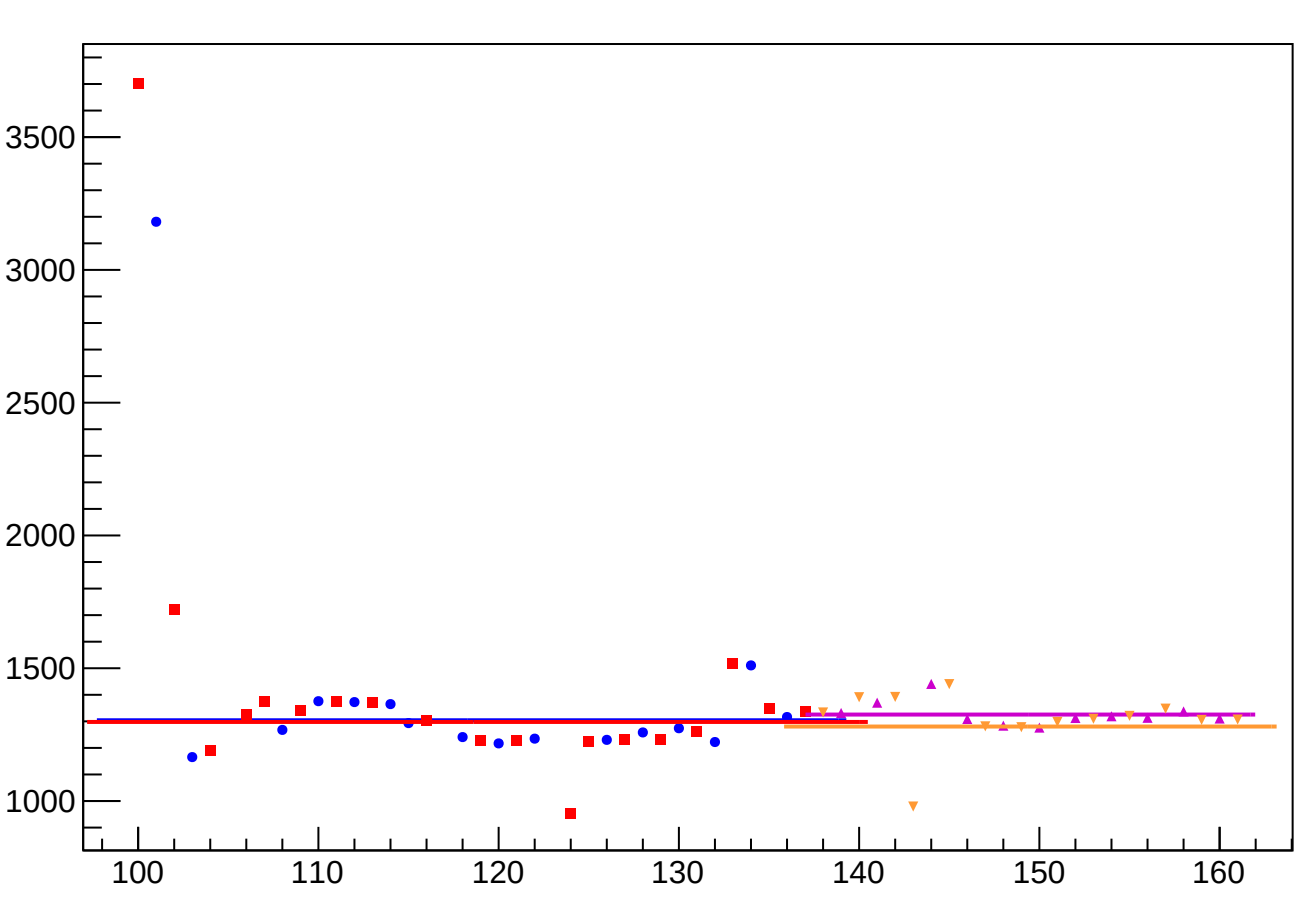
Left: 179.214+/-292.389 χ^2/NDF: 44.4/23

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -667.638+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.595+/-223.420 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

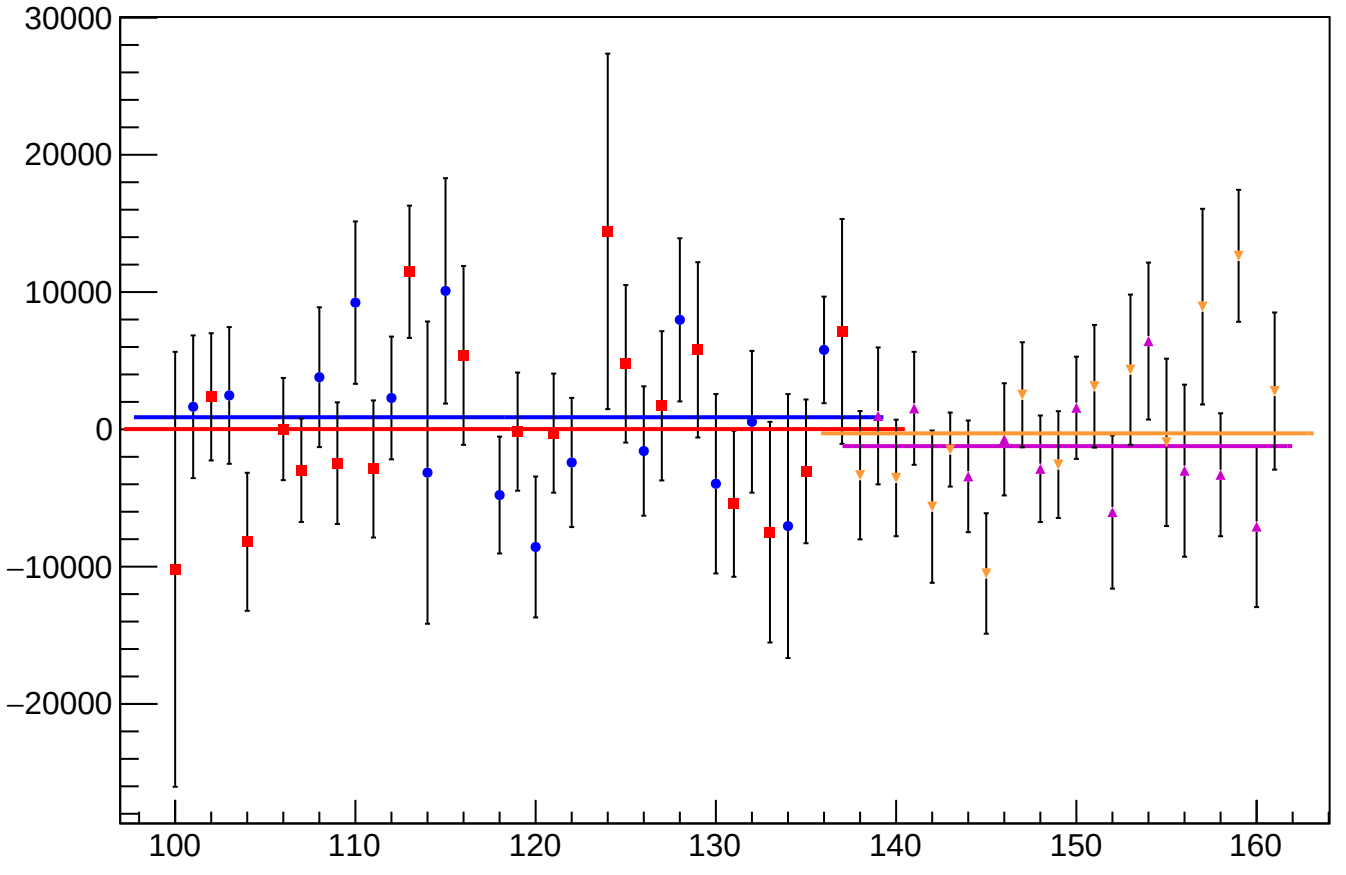
Left: 1301.449+/-0.207 χ^2/NDF: 232051.2/23

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.360+/-0.229 χ^2/NDF:531651.3/26

Out: 1287.489+/-0.218 χ^2/NDF:415922.9/31

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -289.939+/-1229.495 χ^2/NDF:19.0/12

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1220.374+/-1379.867 χ^2/NDF:5.5/10

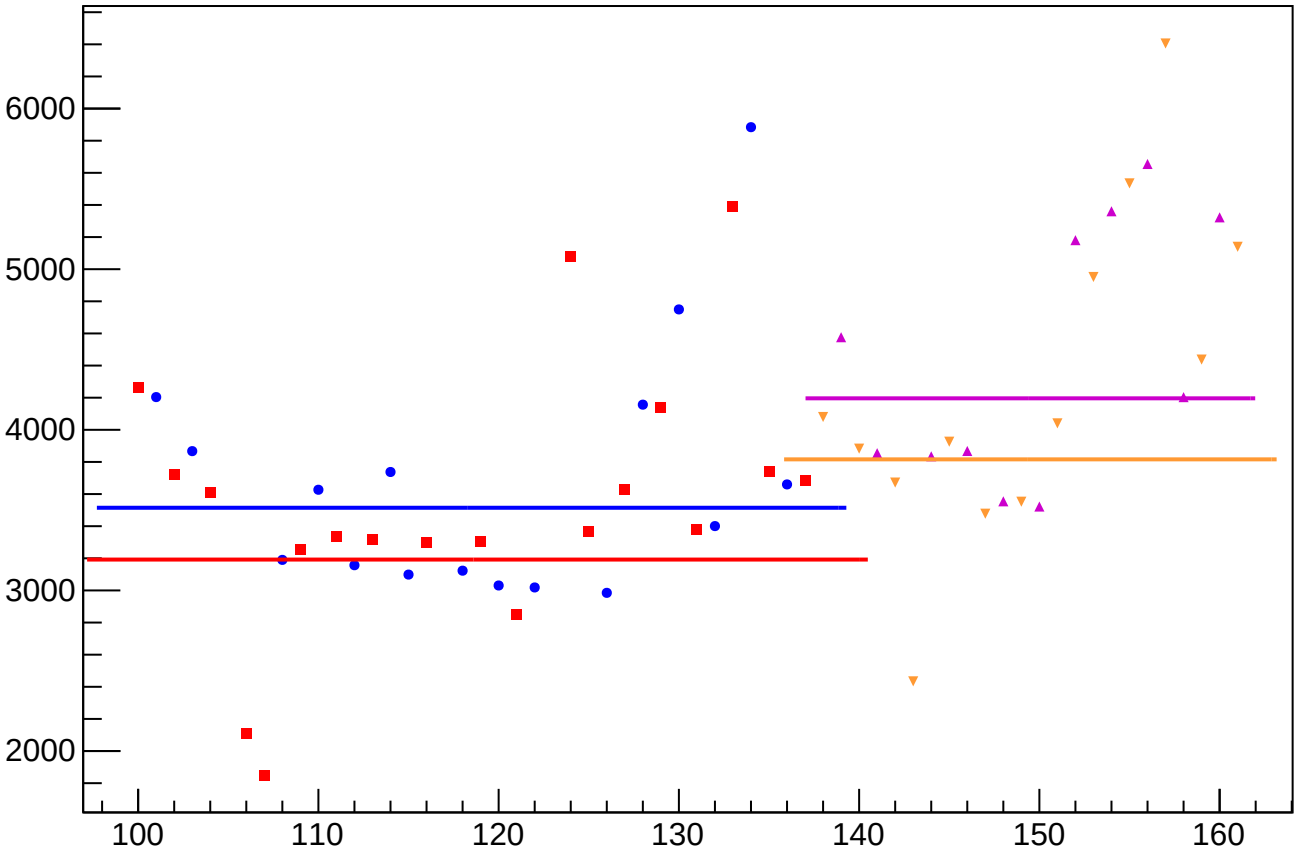
Left: -701.715+/-917.962 χ^2/NDF: 24.7/23

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -127.389+/-956.624 χ^2/NDF:20.8/26

Out: -130.861+/-858.772 χ^2/NDF:35.8/31

All: -129.311+/-639.047 χ^2/NDF: 56.7/58



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3816.062+/-0.869 χ^2/NDF:1213868.5/12

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

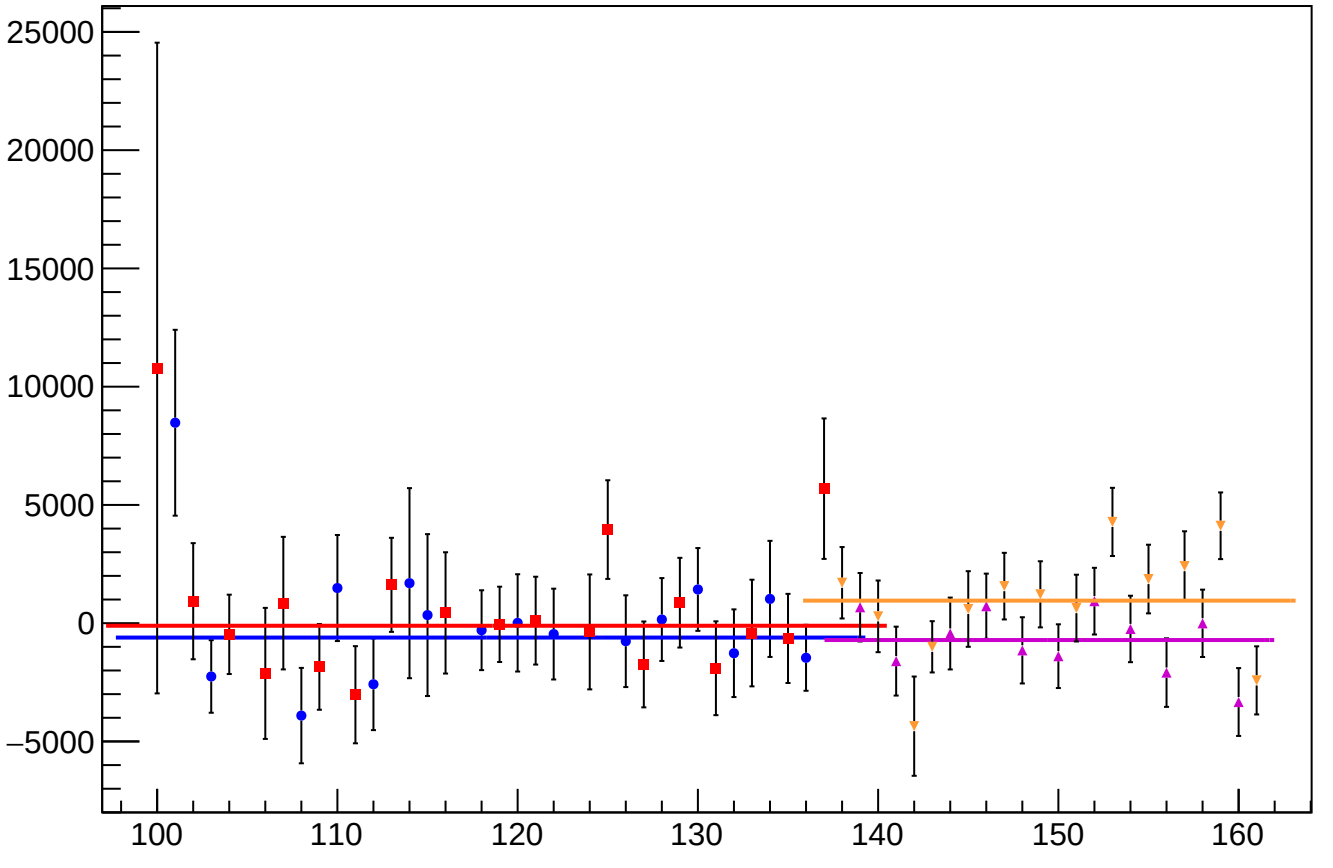
Left: 3984.217+/-0.649 χ^2/NDF: 1799934.5/23

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3842.184+/-0.676 χ^2/NDF:1129820.9/26

Out: 3496.564+/-0.607 χ^2/NDF:2250076.8/31

All: 3650.798+/-0.452 χ^2/NDF: 3524459.9/58



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -712.706+/-428.982 χ^2/NDF:8.7/10

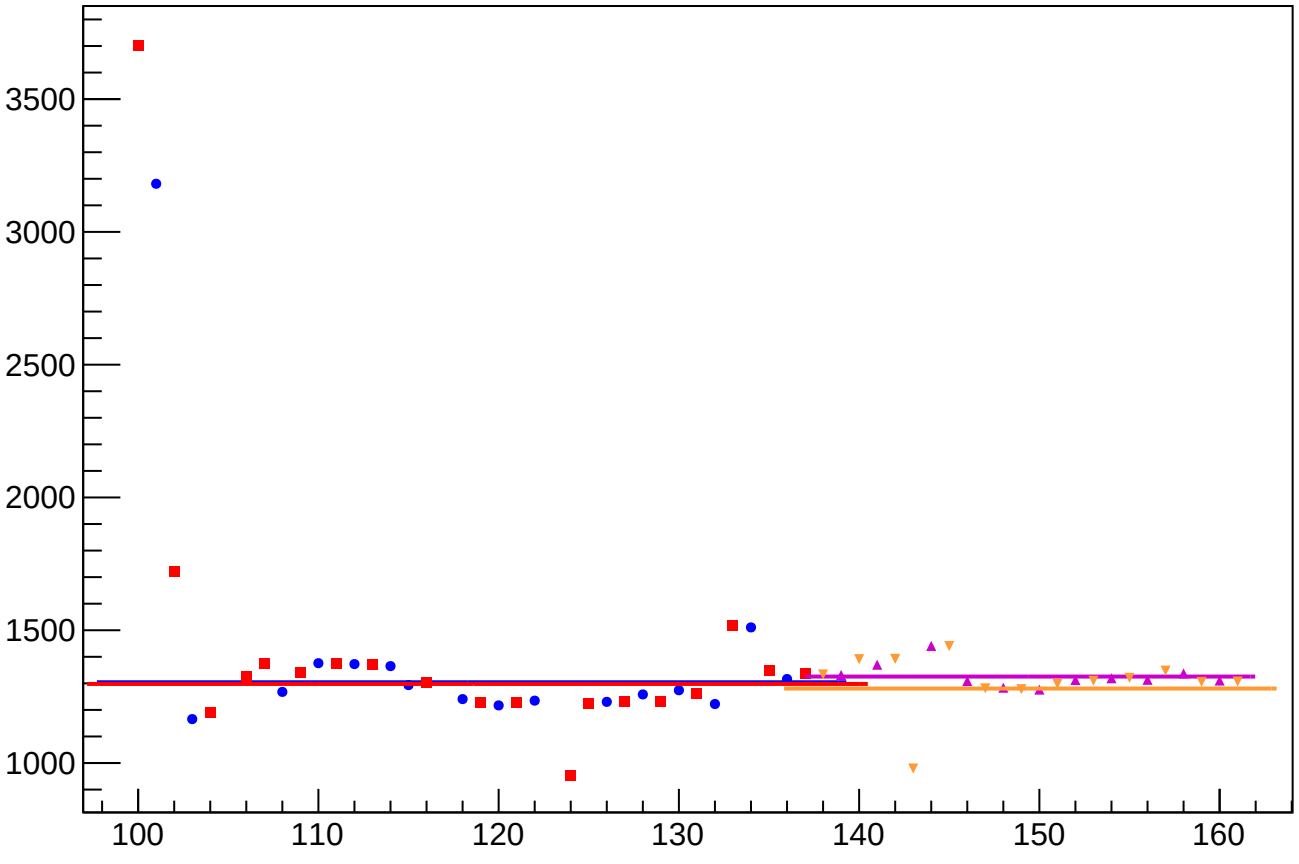
Left: 179.216+/-292.390 χ^2/NDF: 44.4/23

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -667.640+/-323.953 χ^2/NDF:22.8/26

Out: 524.383+/-308.539 χ^2/NDF:45.4/31

All: -42.596+/-223.421 χ^2/NDF: 75.3/58



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1280.499+/-0.283 χ^2/NDF:201311.8/12

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

Left: 1301.451+/-0.207 χ^2/NDF: 232051.8/23

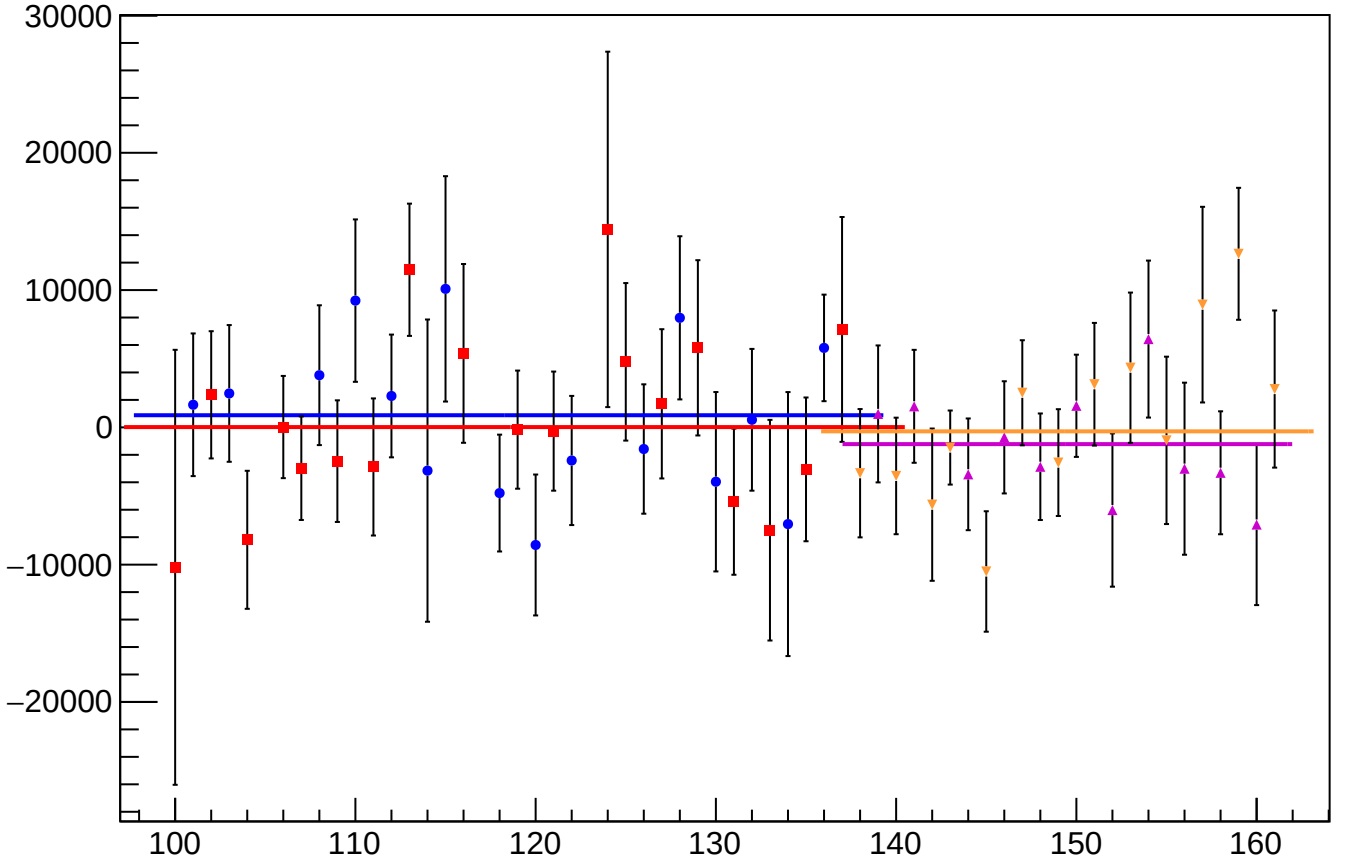
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.361+/-0.229 χ^2/NDF:531651.8/26

Out: 1287.489+/-0.218 χ^2/NDF:415923.3/31

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -289.936+/-1229.497 χ^2/NDF:19.0/12

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1220.374+/-1379.869 χ^2/NDF:5.5/10

Left: -701.713+/-917.963 χ^2/NDF: 24.7/23

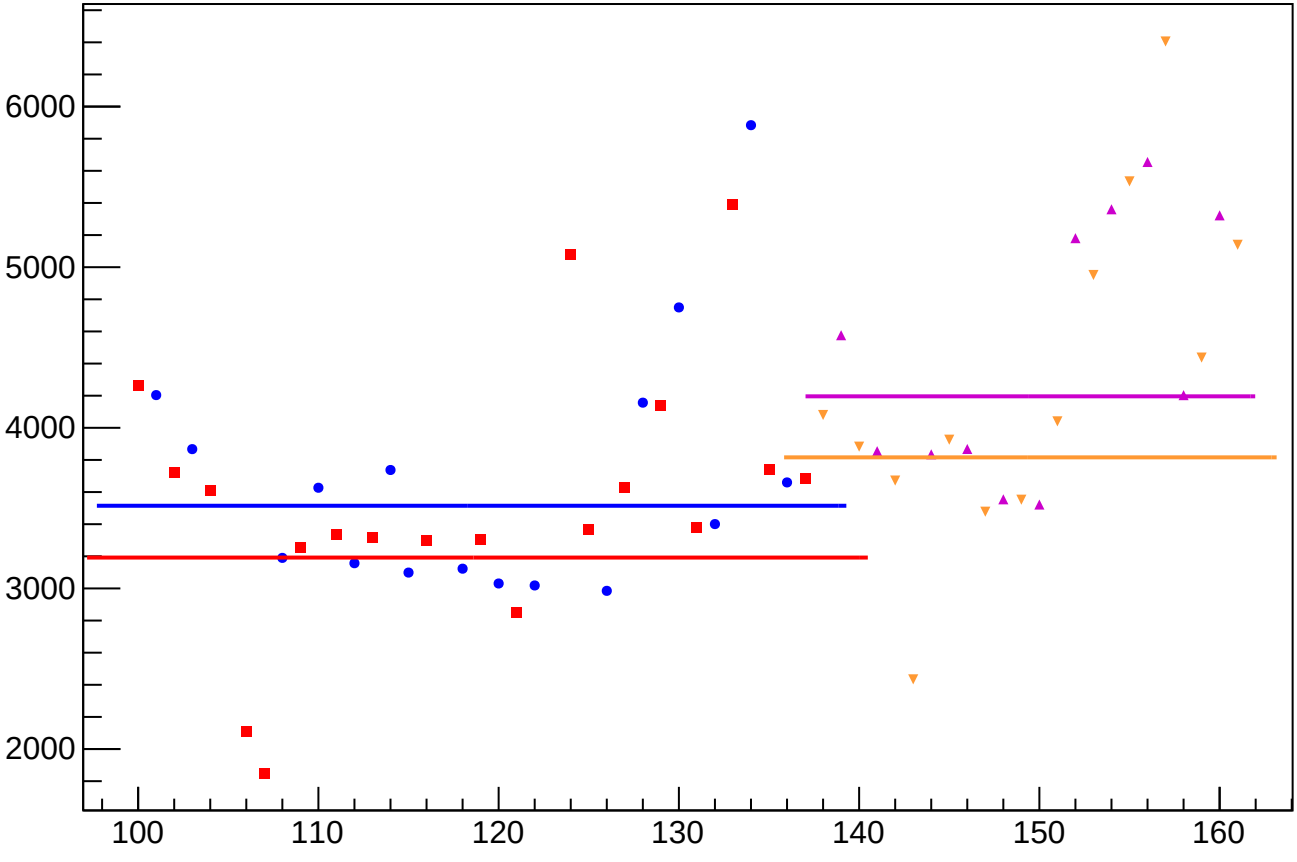
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -127.390+/-956.623 χ^2/NDF:20.8/26

Out: -130.860+/-858.771 χ^2/NDF:35.8/31

All: -129.312+/-639.046 χ^2/NDF: 56.7/58

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: 3816.067+/-0.869 χ^2/NDF:1213868.3/12

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

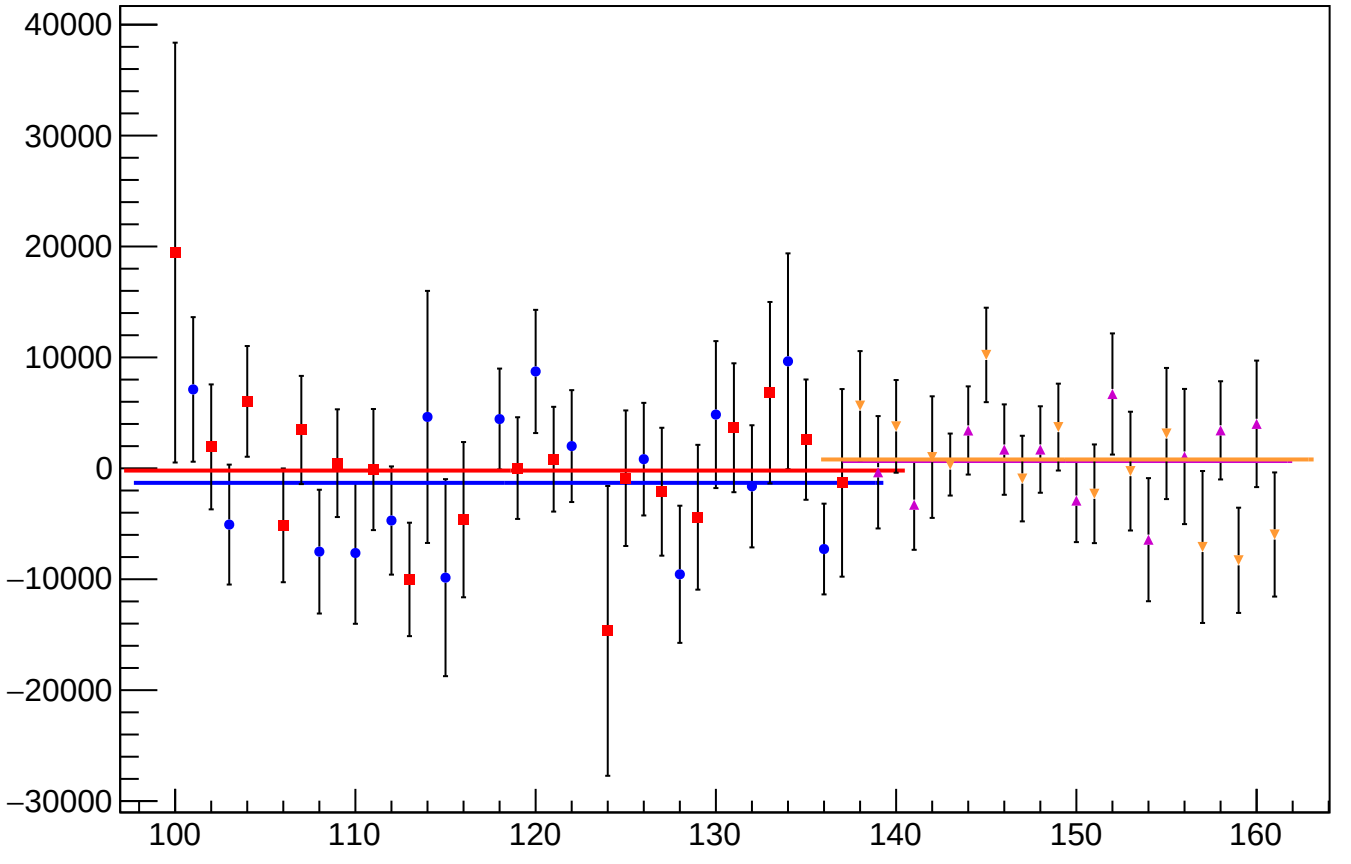
Left: 3984.222+/-0.649 χ^2/NDF: 1799934.6/23

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3842.180+/-0.676 χ^2/NDF:1129836.5/26

Out: 3496.561+/-0.607 χ^2/NDF:2250090.1/31

All: 3650.795+/-0.452 χ^2/NDF: 3524488.4/58



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 659.186+/-1367.707 χ^2/NDF:6.1/10

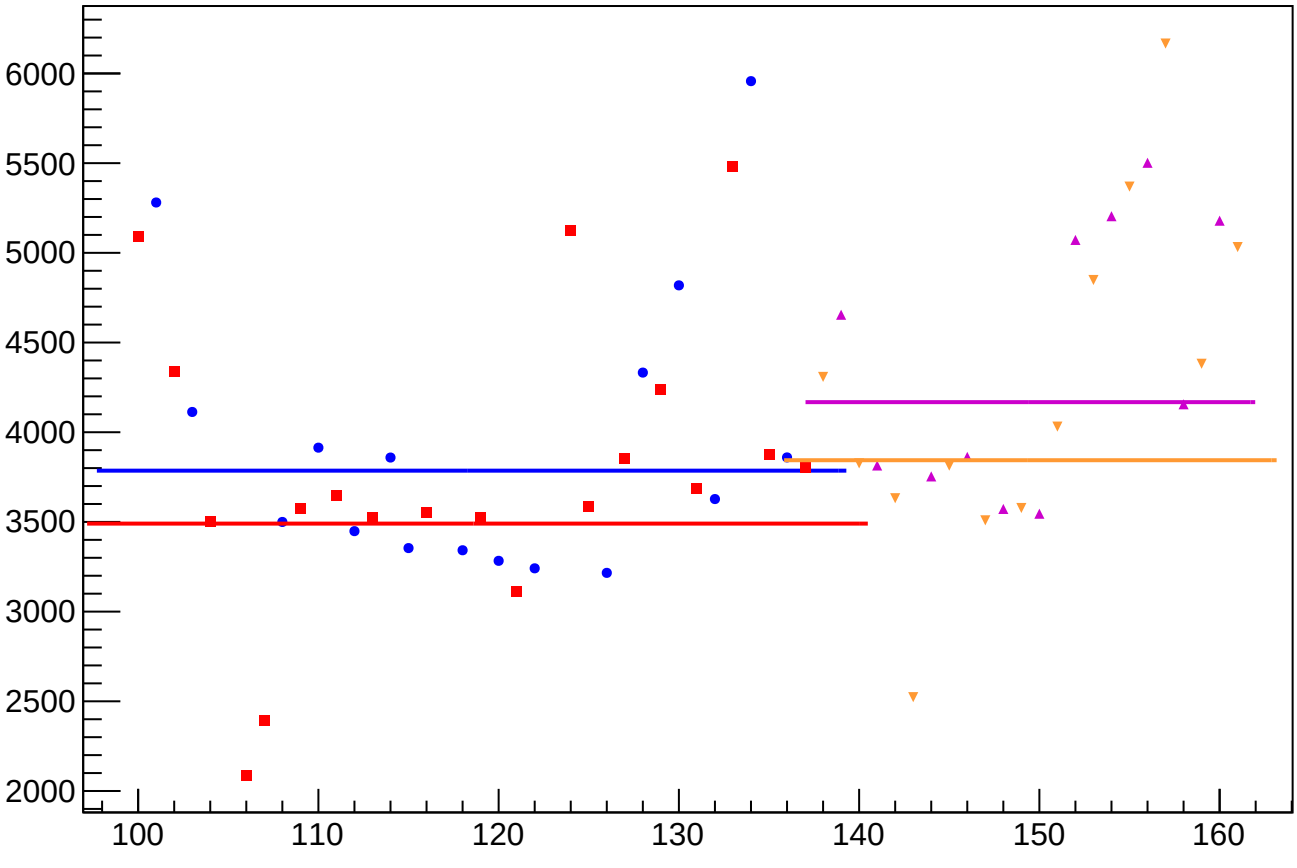
Left: 736.493+/-915.308 χ^2/NDF: 20.4/23

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -280.157+/-988.939 χ^2/NDF:24.7/26

Out: 339.366+/-905.639 χ^2/NDF:26.3/31

All: 56.791+/-667.895 χ^2/NDF: 51.1/58



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3843.968+/-0.871 χ^2/NDF:1044847.1/12

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

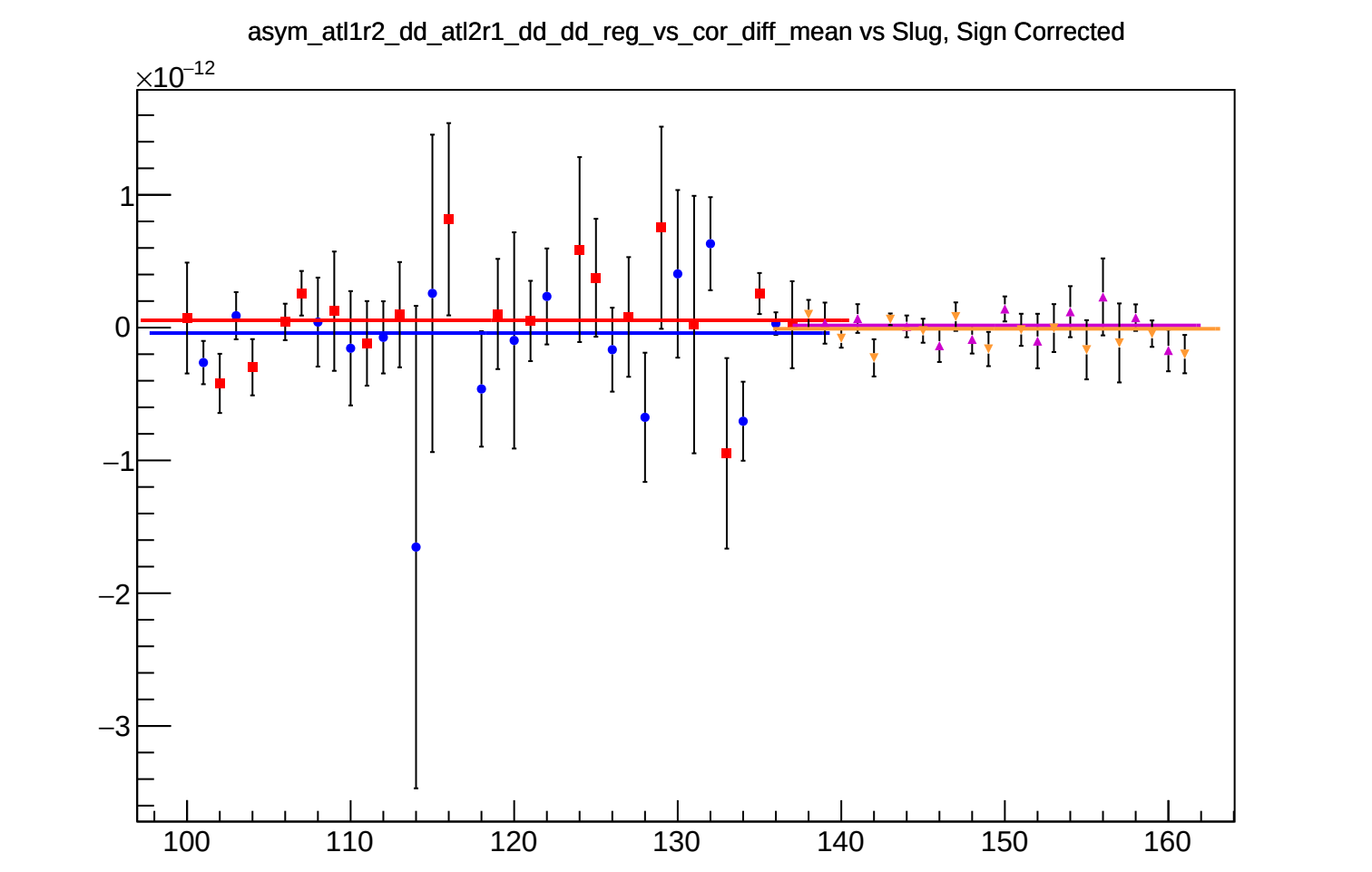
Left: 3988.970+/-0.647 χ^2/NDF: 1558355.5/23

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3985.466+/-0.699 χ^2/NDF:909054.4/26

Out: 3679.201+/-0.636 χ^2/NDF:1708302.3/31

All: 3817.929+/-0.471 χ^2/NDF: 2722287.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

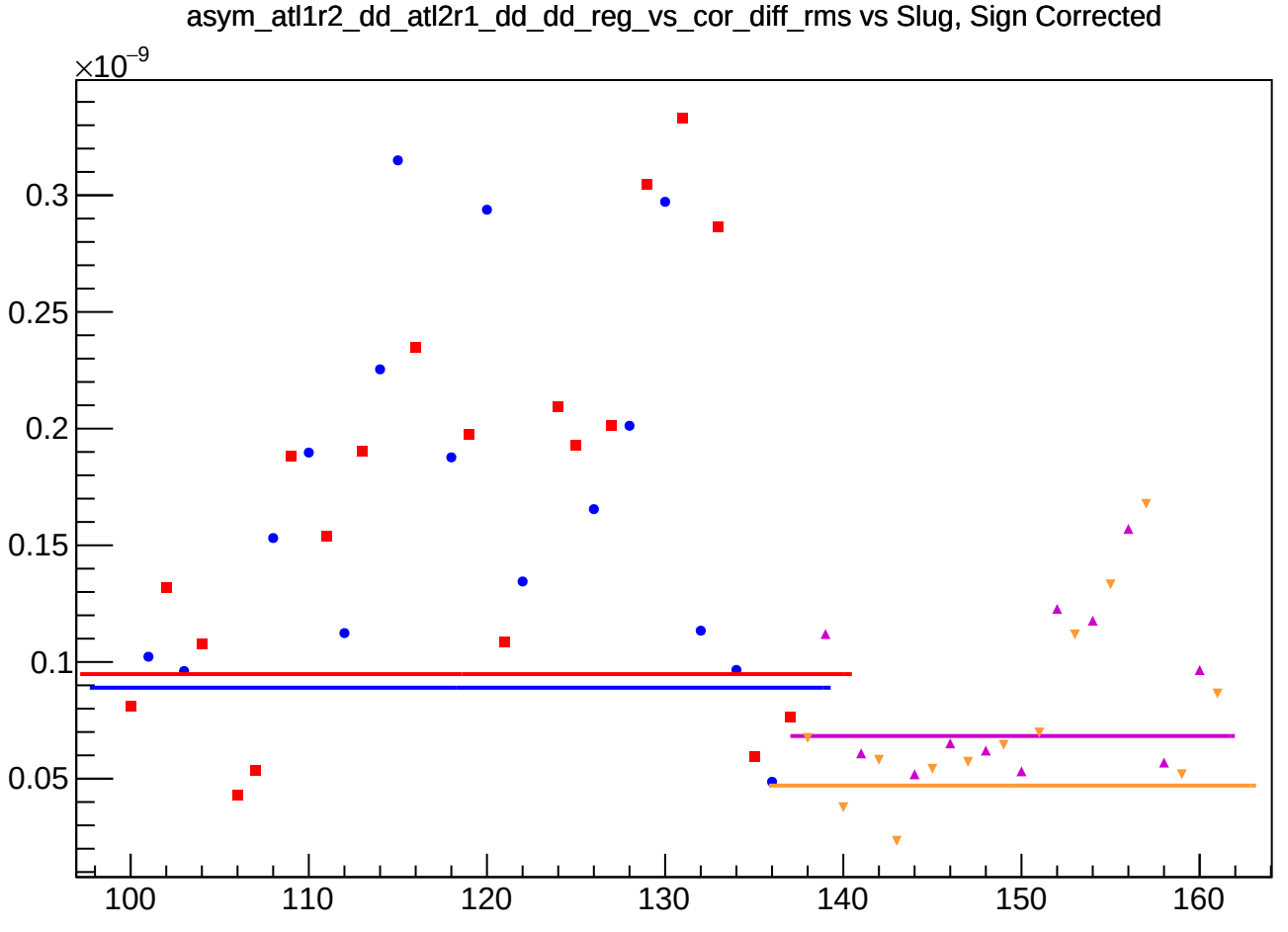
Left: -0.000+/-0.000 χ^2/NDF: 19.5/23

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:28.5/31

All: 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

Left: 0.000+/-0.000 χ^2/NDF: 3172004.9/23

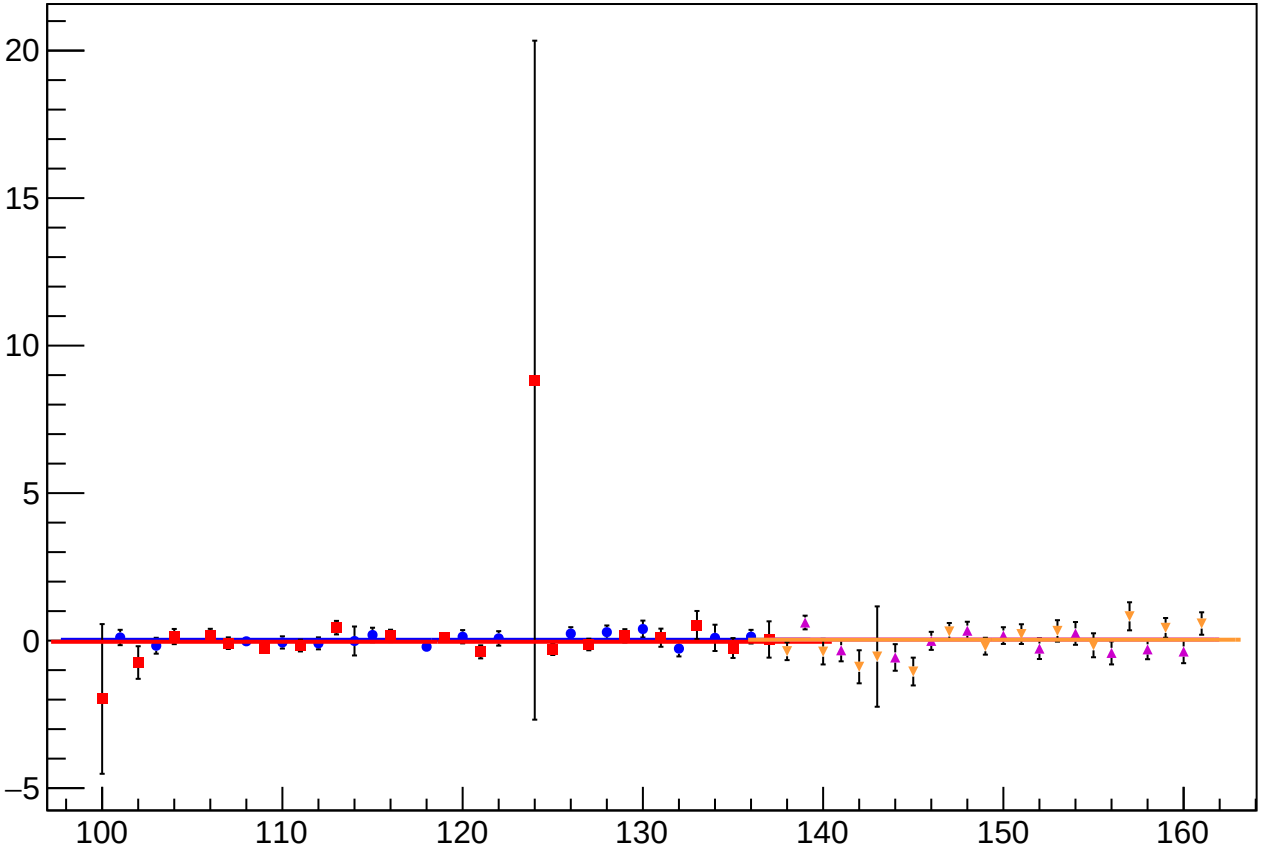
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2497841.8/26

Out: 0.000+/-0.000 χ^2/NDF:4557854.0/31

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

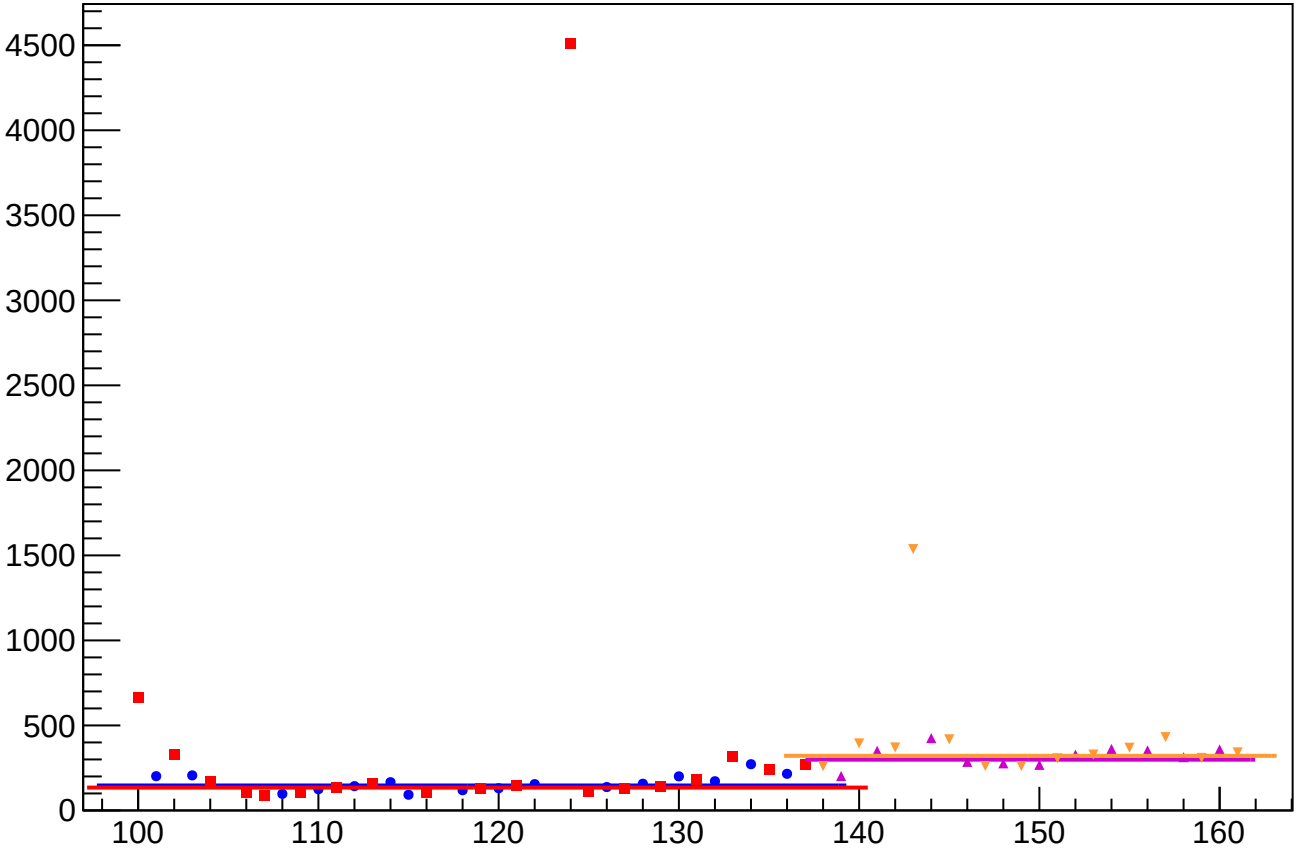
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

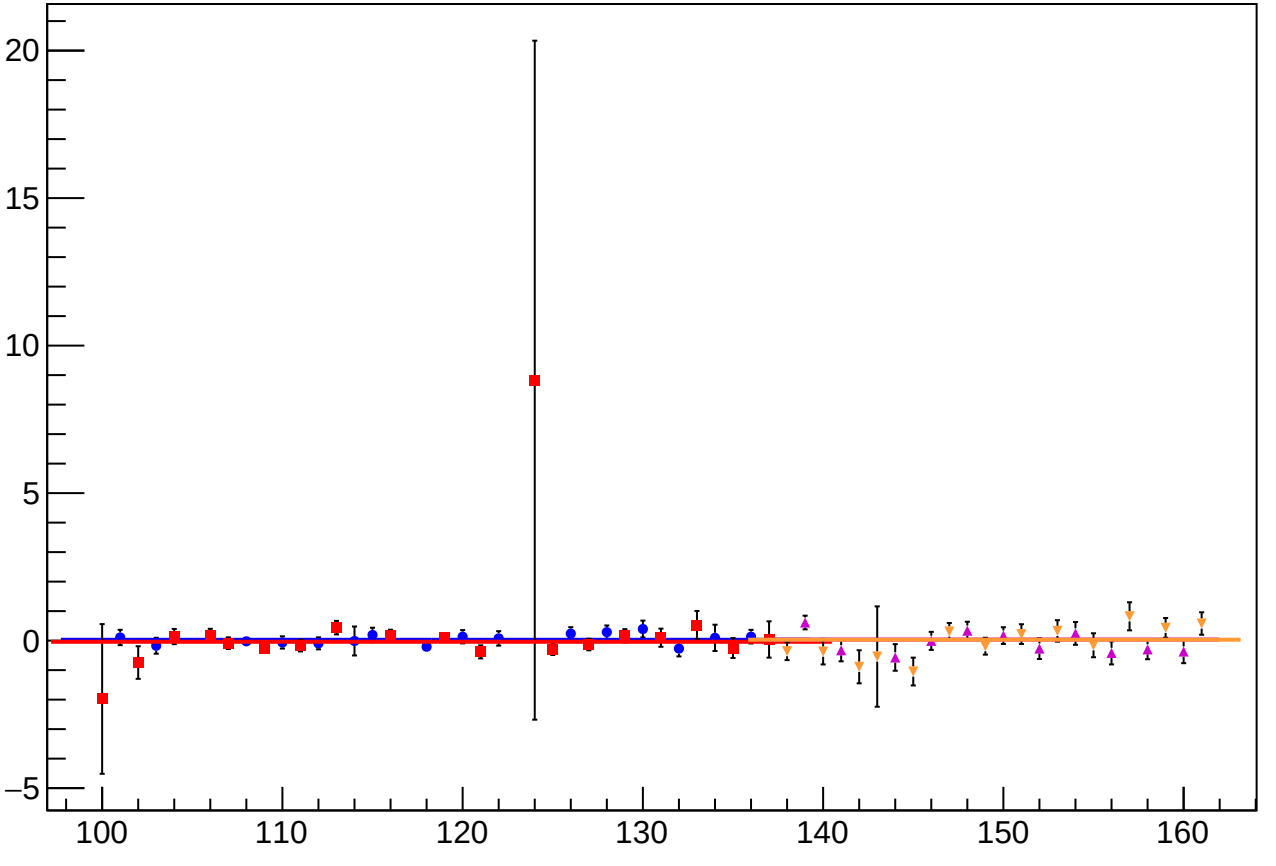
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.1/23

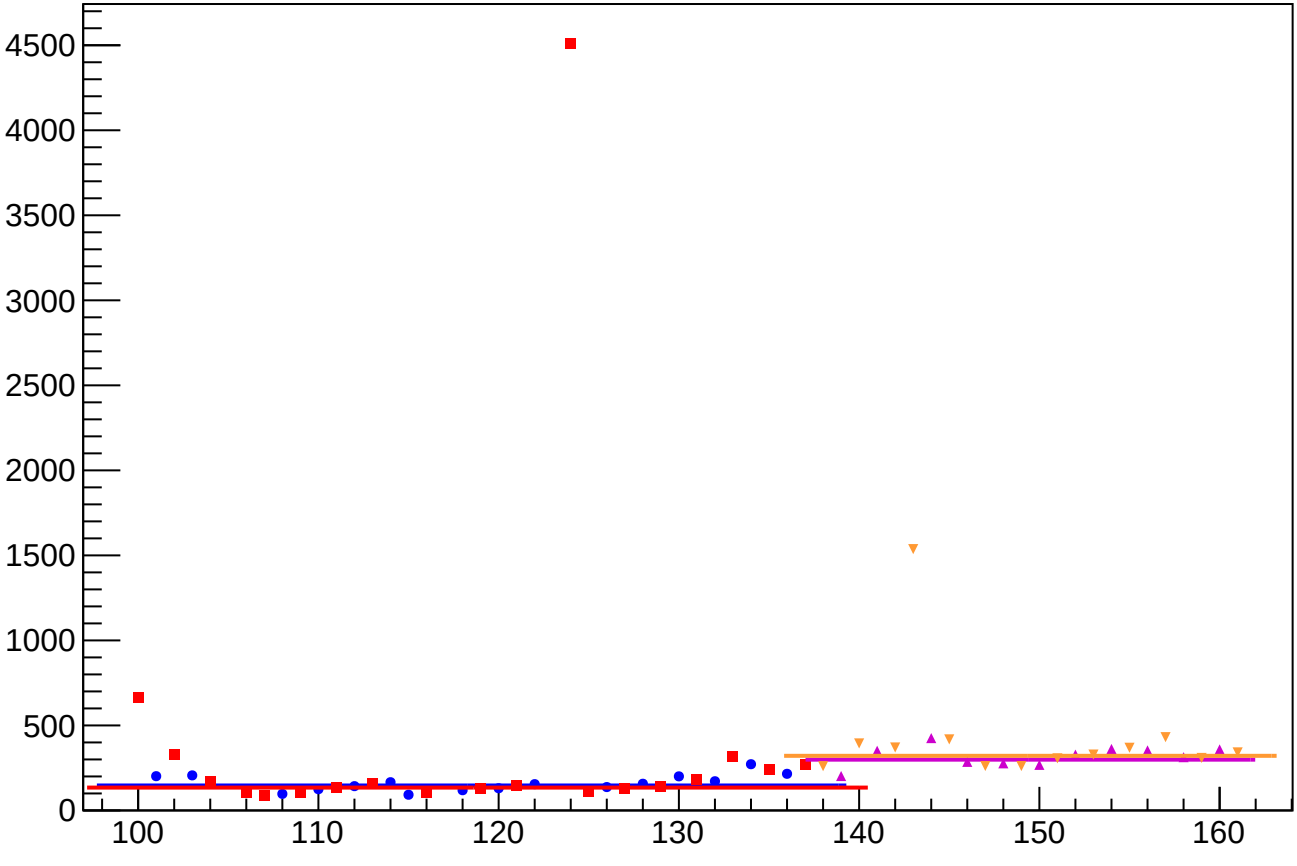
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

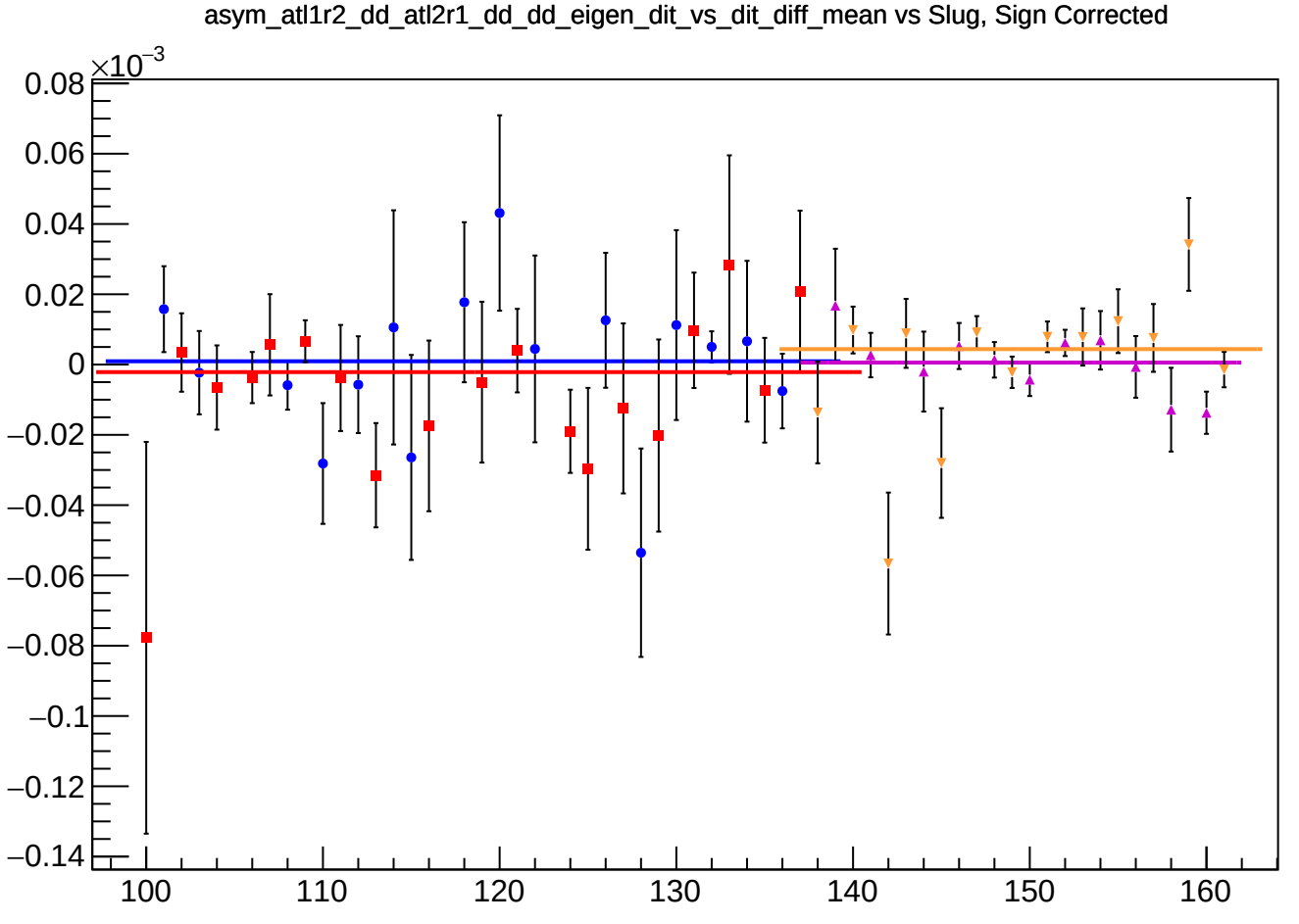
Left: 309.456+/-0.051 χ^2/NDF: 2361544.6/23

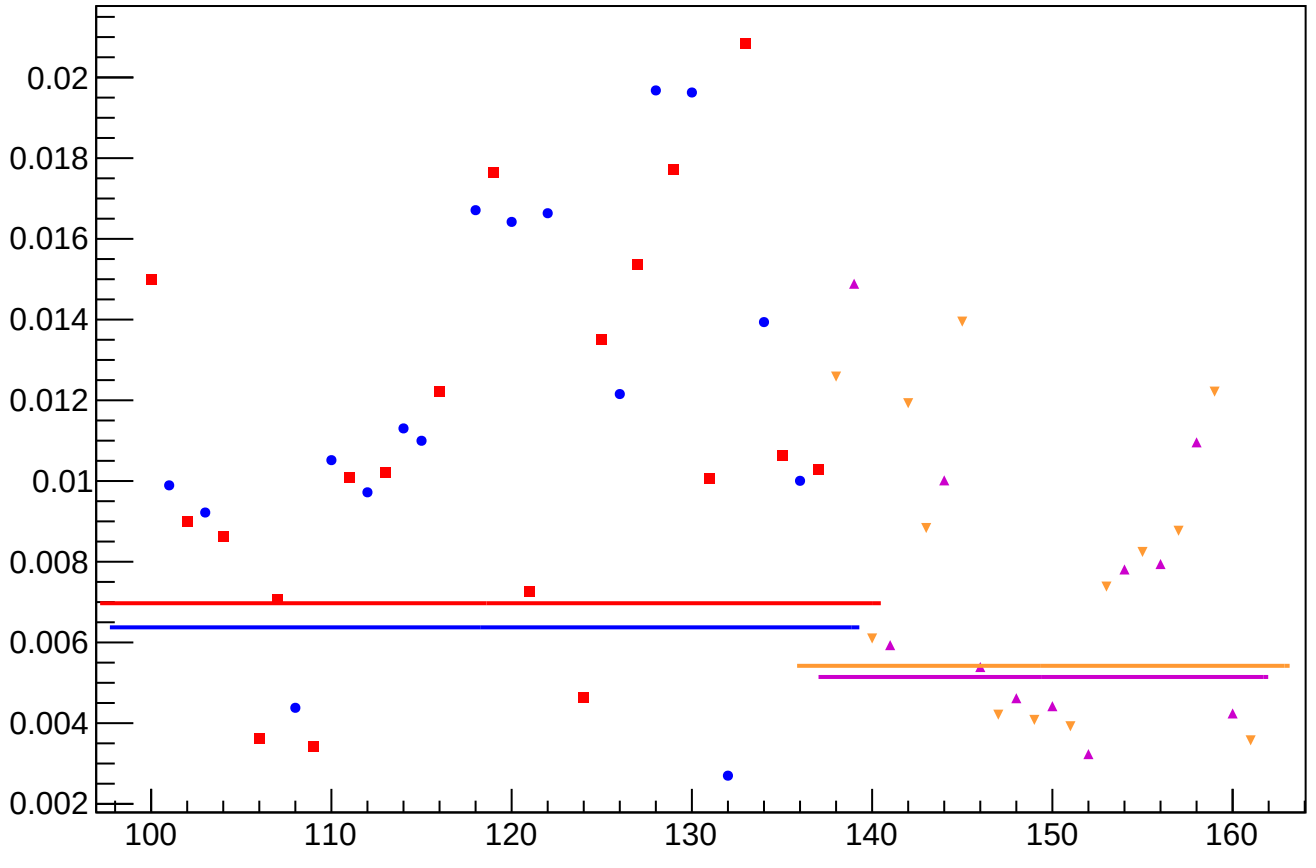
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 185.069+/-0.035 χ^2/NDF:5220958.5/26

Out: 174.703+/-0.034 χ^2/NDF:8191010.5/31

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58


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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:27.2/12
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.5/10
Left: 0.000+/-0.000 χ²/NDF: 41.8/23
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.4/26
Out: 0.000+/-0.000 χ²/NDF:46.6/31
All: 0.000+/-0.000 χ²/NDF: 74.7/58



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:3461386.7/12

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

Left: 0.005+/-0.000 χ^2/NDF: 6130699.2/23

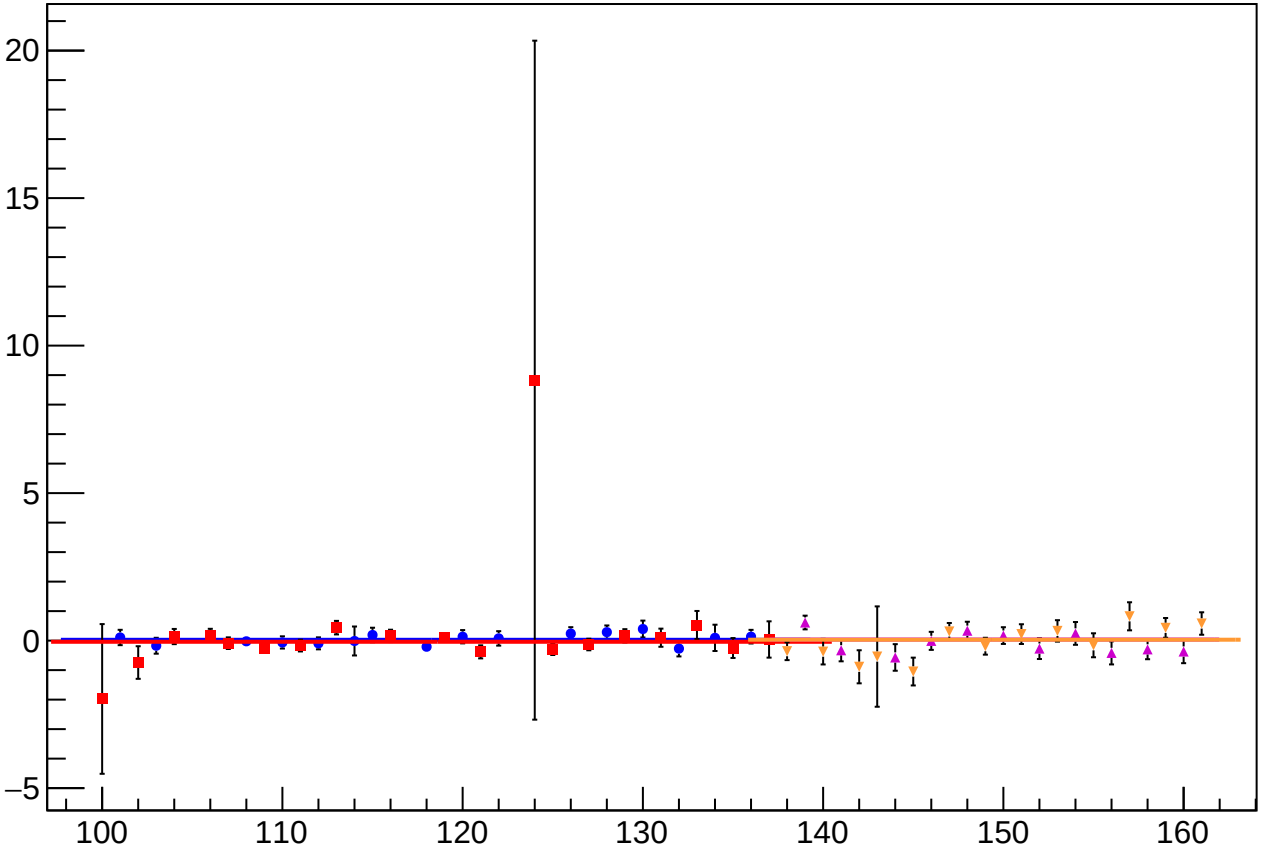
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:7536661.1/26

Out: 0.006+/-0.000 χ^2/NDF:7250101.7/31

All: 0.006+/-0.000 χ^2/NDF: 14835992.4/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

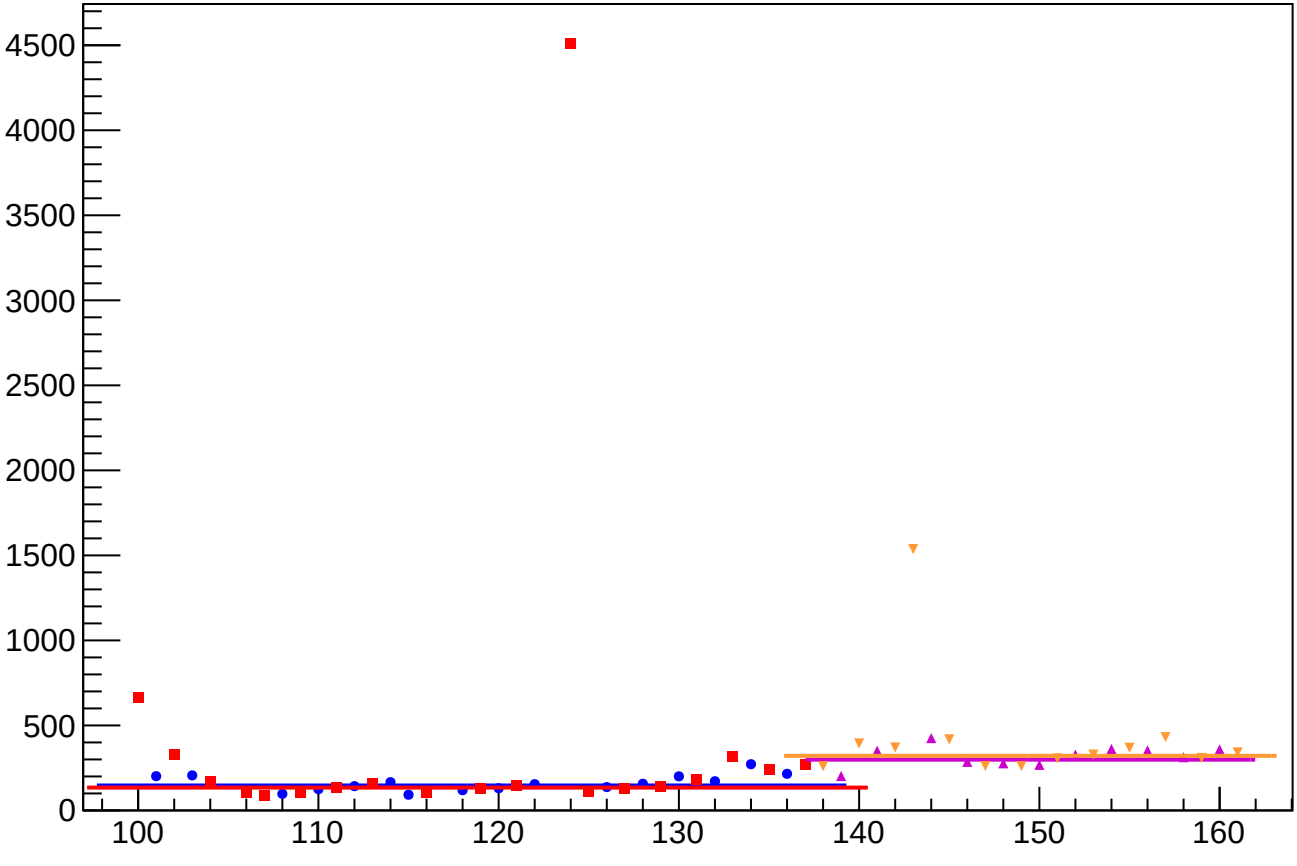
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

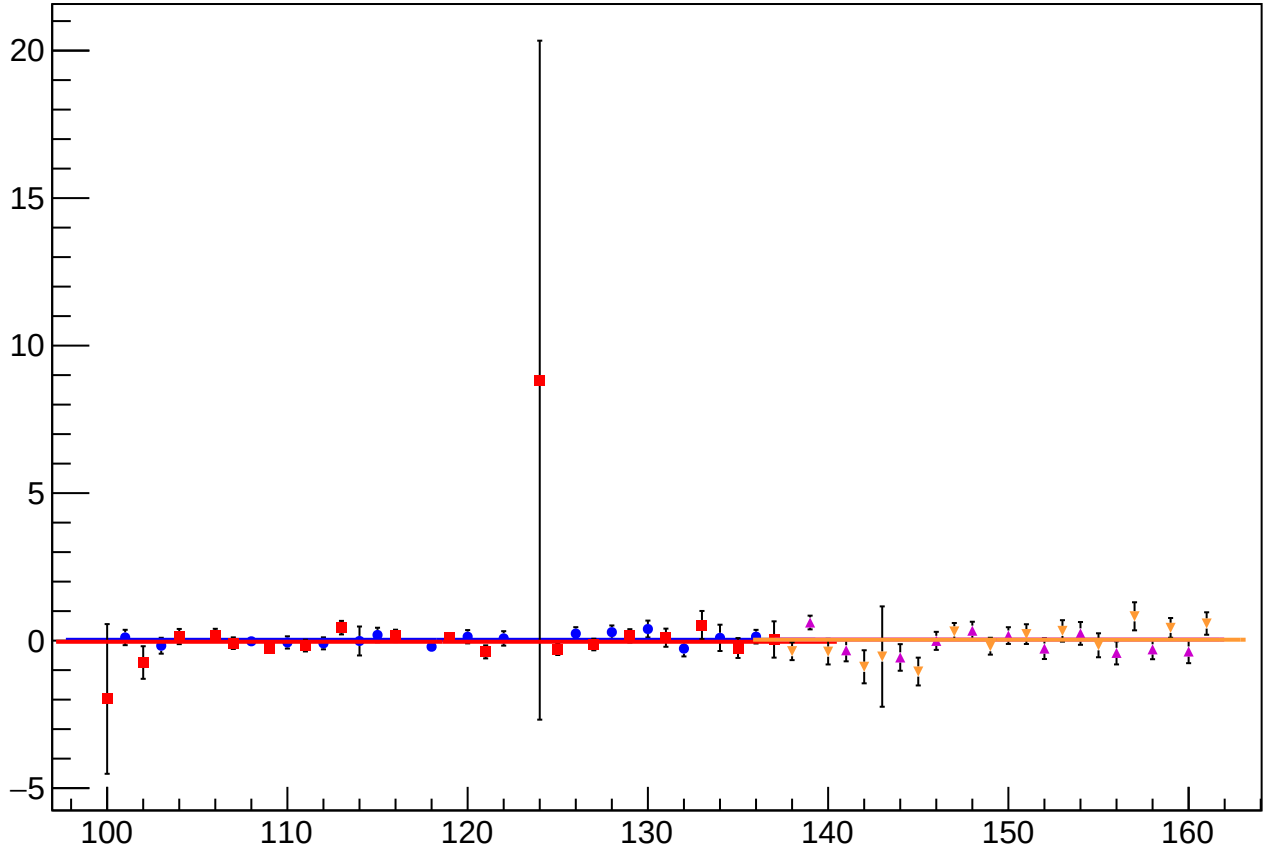
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

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: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.036+/-0.099 χ^2/NDF:14.5/10

Left: 0.034+/-0.072 χ^2/NDF: 34.2/23

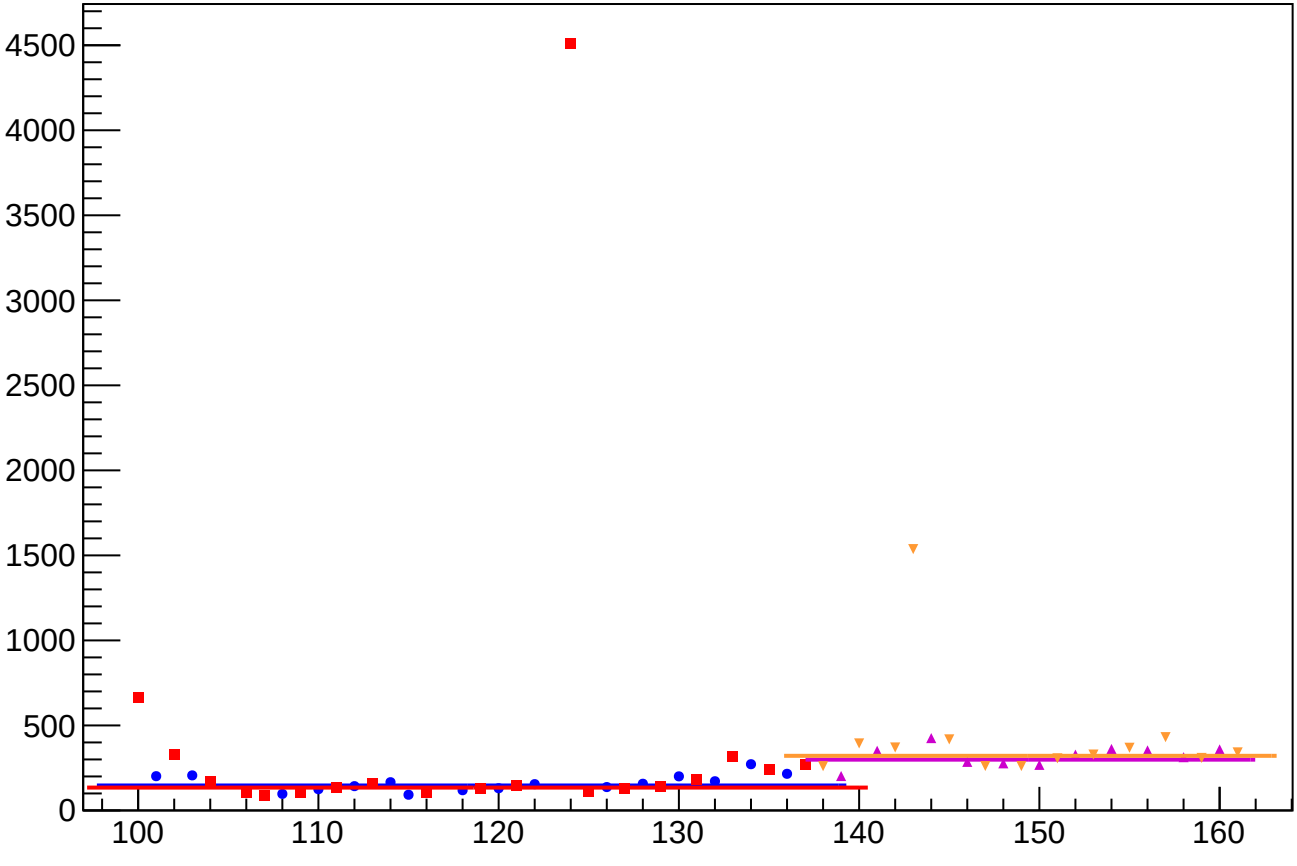
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.030+/-0.050 χ^2/NDF:24.0/26

Out: -0.024+/-0.049 χ^2/NDF:40.0/31

All: 0.002+/-0.035 χ^2/NDF: 64.6/58

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: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

Left: 309.460+/-0.051 χ^2/NDF: 2361524.2/23

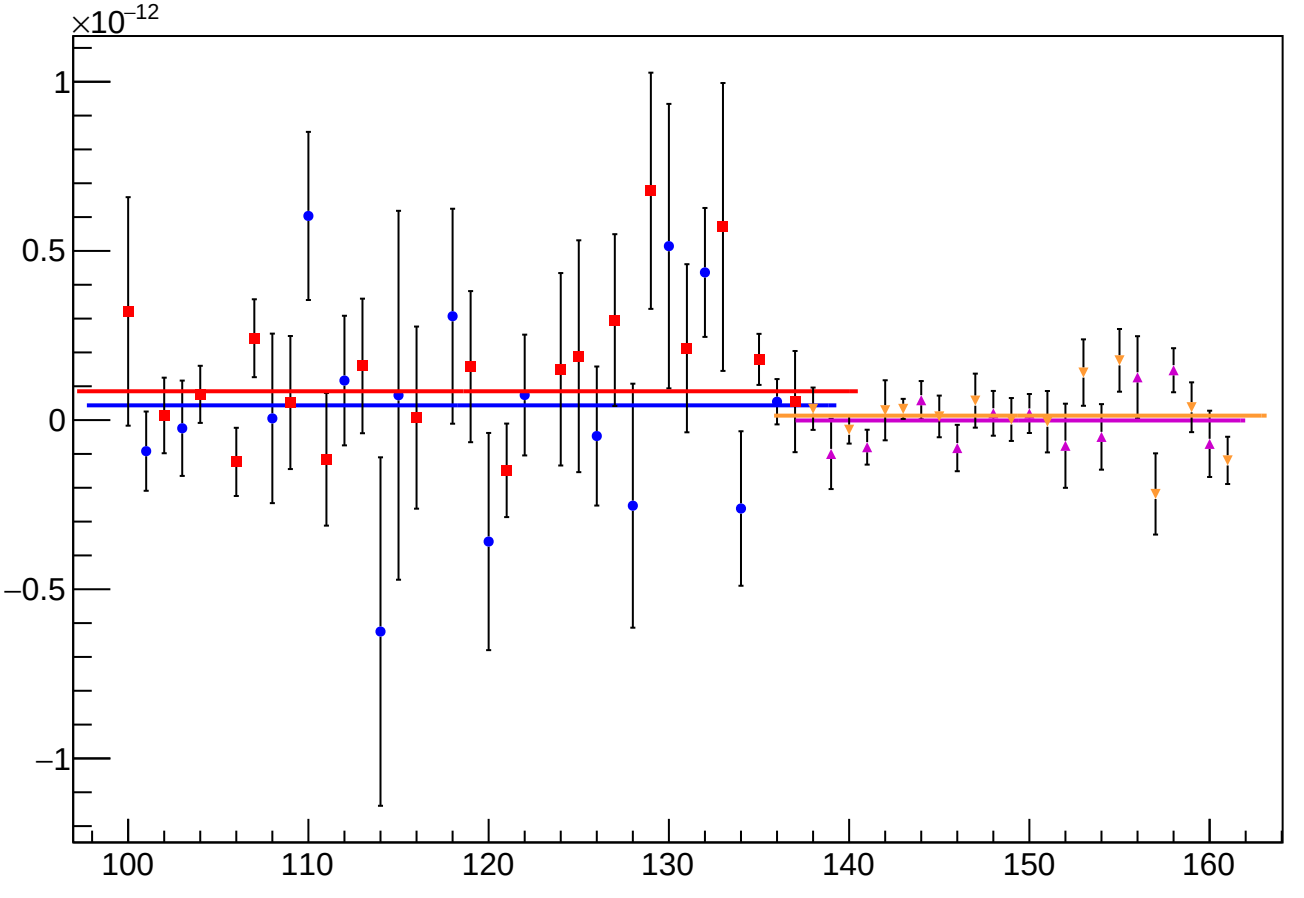
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 185.069+/-0.035 χ^2/NDF:5221005.7/26

Out: 174.705+/-0.034 χ^2/NDF:8190969.5/31

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

Left: 0.000+/-0.000 χ^2/NDF: 27.9/23

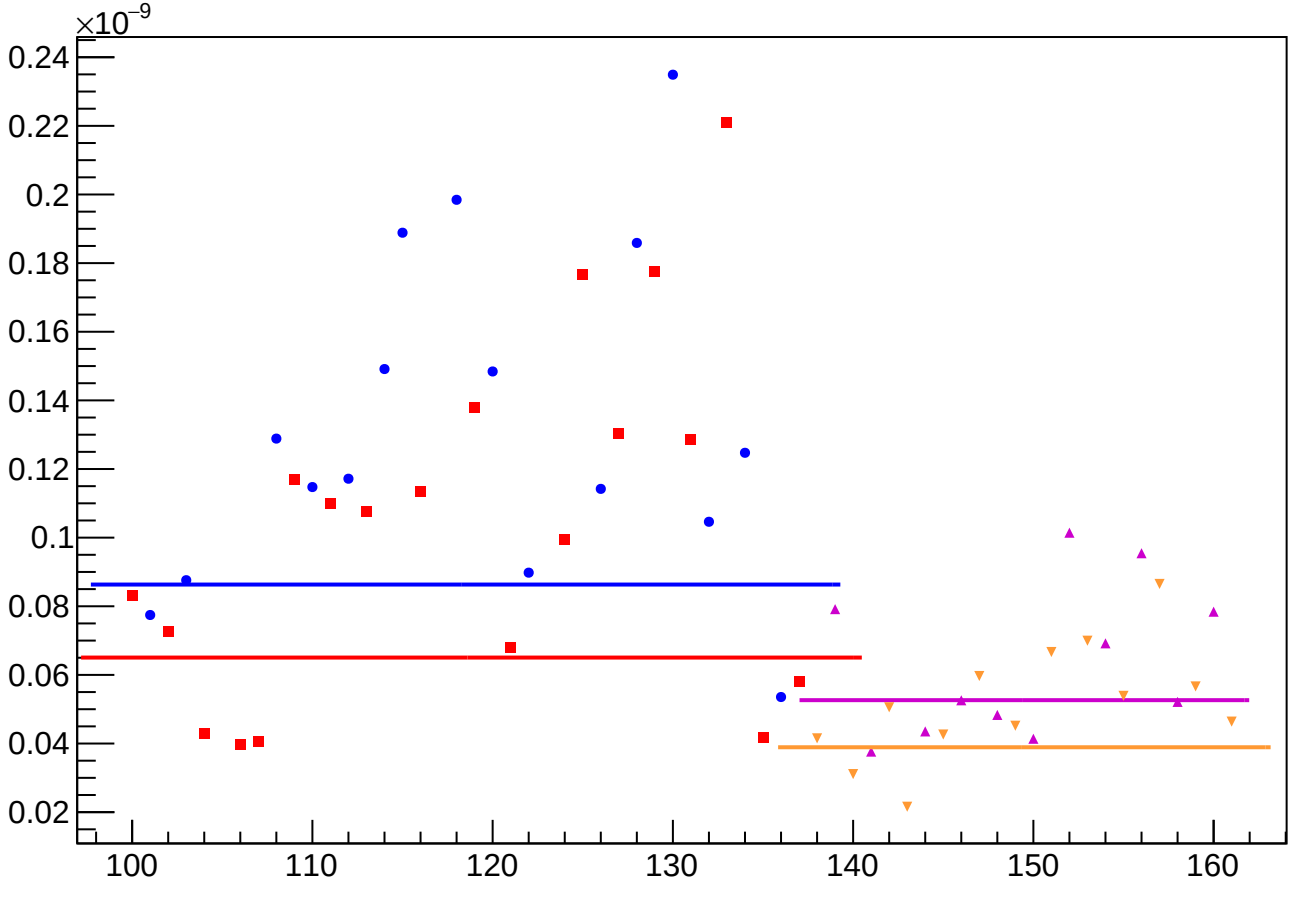
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:36.0/31

All: 0.000+/-0.000 χ^2/NDF: 69.9/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849570.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

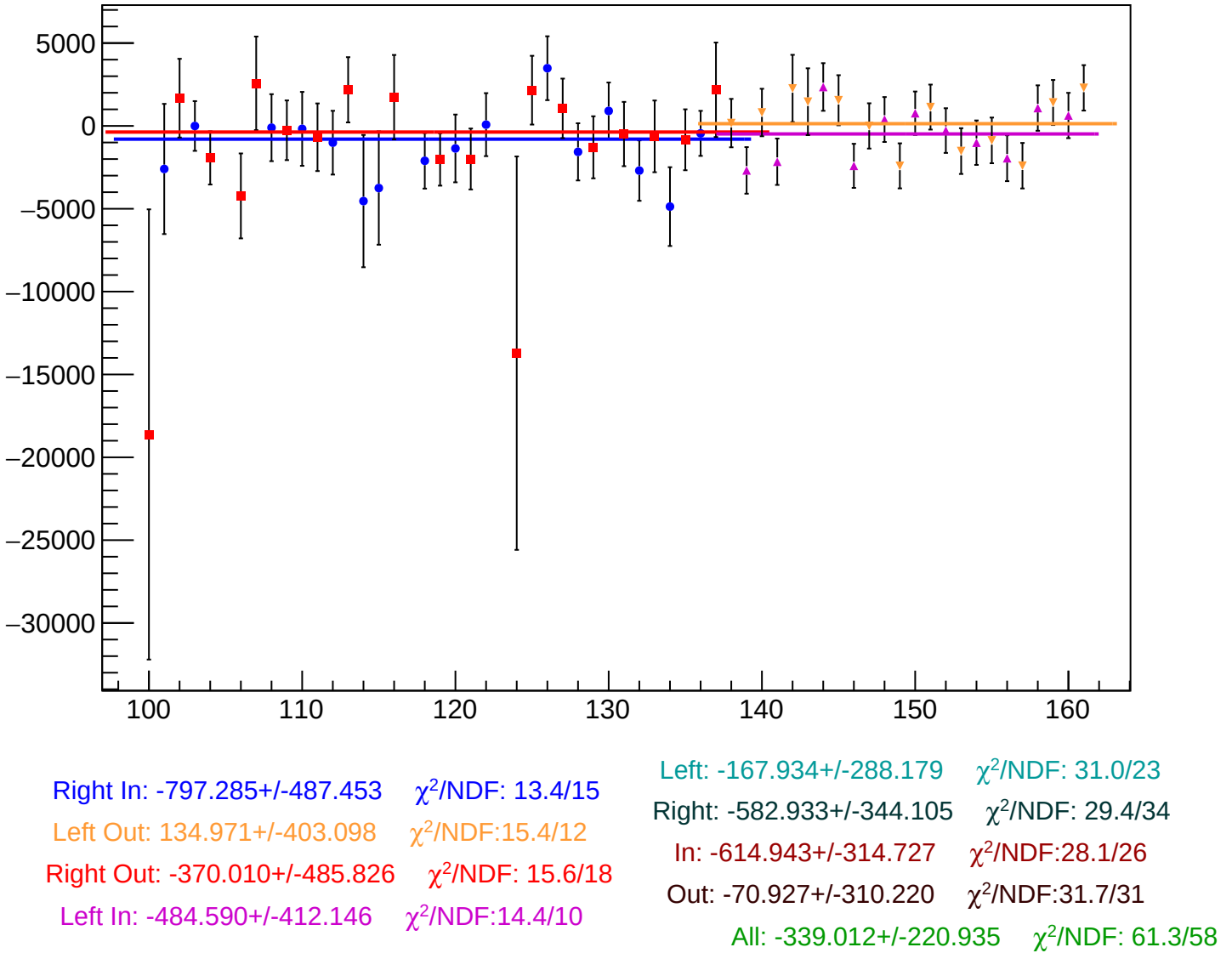
Left: 0.000+/-0.000 χ^2/NDF: 3538840.0/23

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

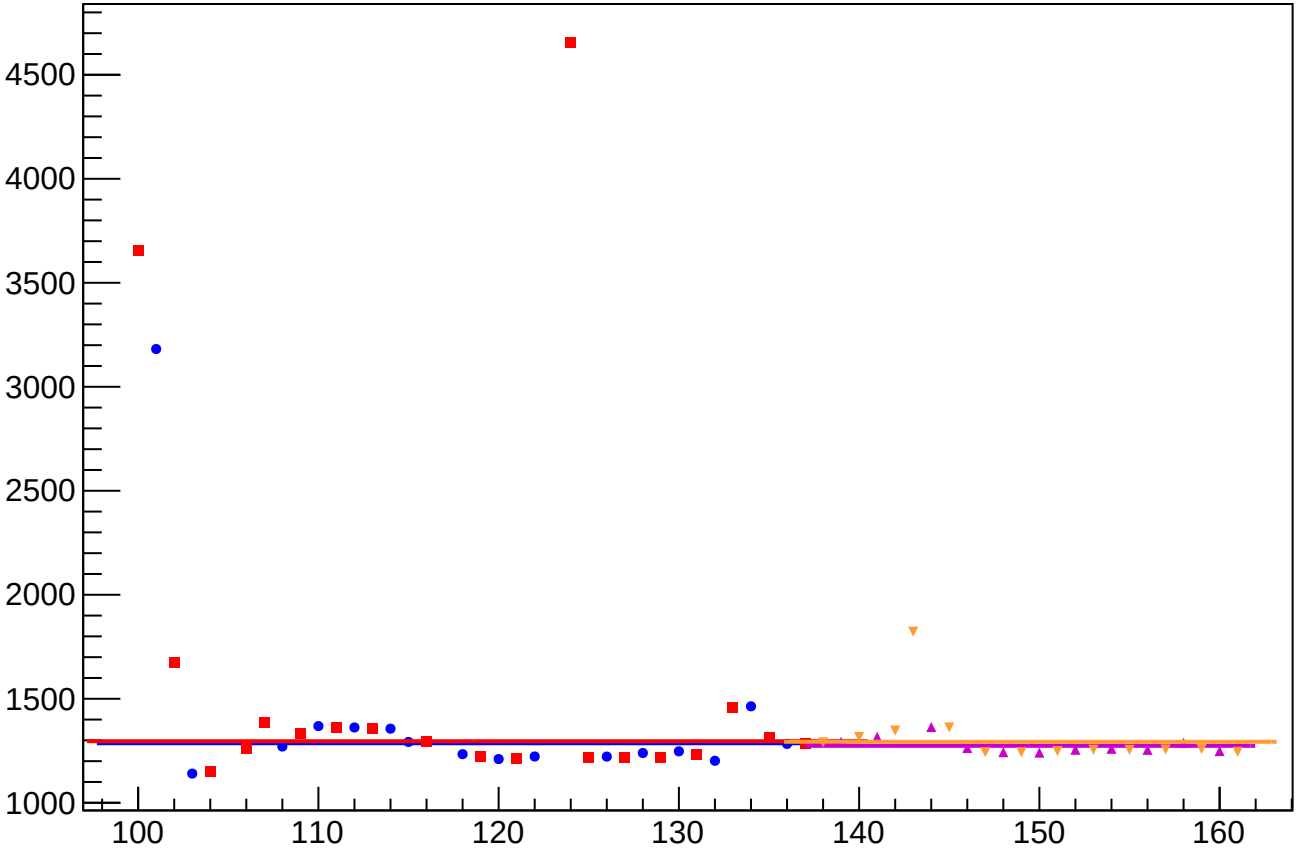
In: 0.000+/-0.000 χ^2/NDF:3741570.3/26

Out: 0.000+/-0.000 χ^2/NDF:4950506.0/31

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 134.971+/-403.098 χ²/NDF:15.4/12
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -484.590+/-412.146 χ²/NDF:14.4/10
Left: -167.934+/-288.179 χ²/NDF: 31.0/23
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -614.943+/-314.727 χ²/NDF:28.1/26
Out: -70.927+/-310.220 χ²/NDF:31.7/31
All: -339.012+/-220.935 χ²/NDF: 61.3/58

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: 1293.237+/-0.285 χ^2/NDF:159687.5/12

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1283.730+/-0.204 χ^2/NDF: 176399.6/23

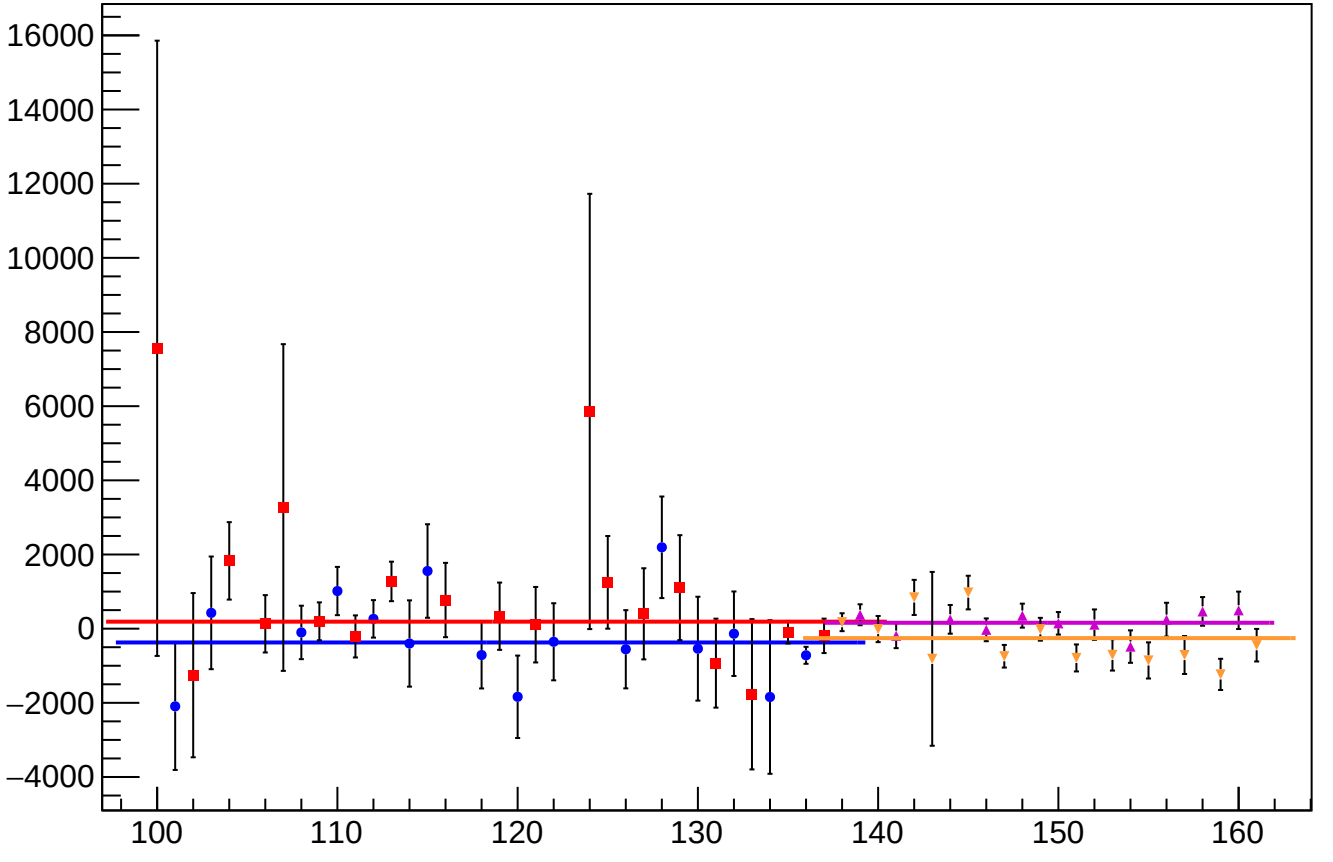
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1278.922+/-0.223 χ^2/NDF:533307.1/26

Out: 1294.340+/-0.219 χ^2/NDF:487794.1/31

All: 1286.742+/-0.156 χ^2/NDF: 1023535.7/58

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: -254.920+/-106.603 χ^2/NDF:30.8/12

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 159.231+/-108.014 χ^2/NDF:5.7/10

Left: -50.566+/-75.874 χ^2/NDF: 44.0/23

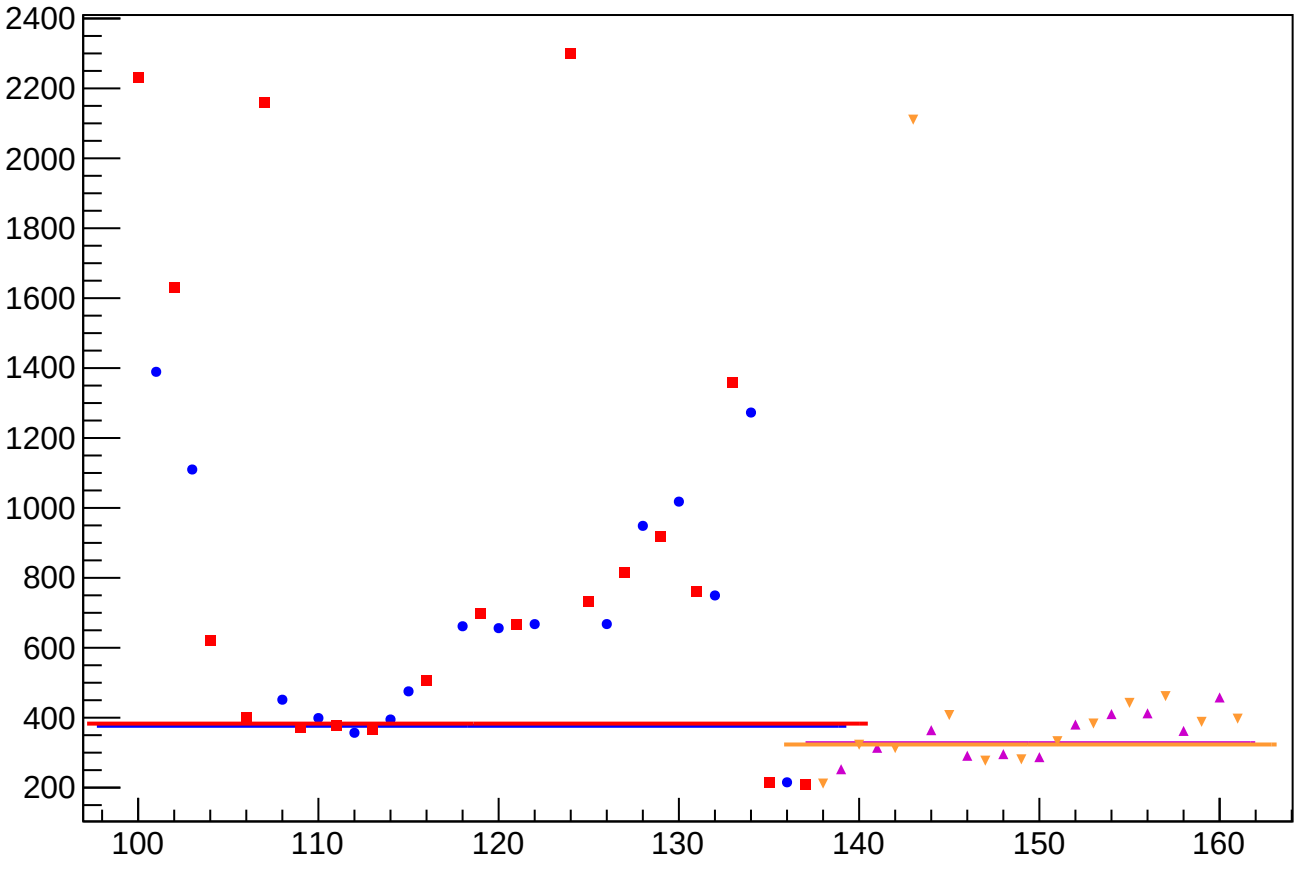
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 4.032+/-90.888 χ^2/NDF:31.0/26

Out: -129.193+/-90.251 χ^2/NDF:50.4/31

All: -63.048+/-64.041 χ^2/NDF: 82.4/58

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: 323.380+/-0.075 χ^2/NDF:2156412.8/12

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

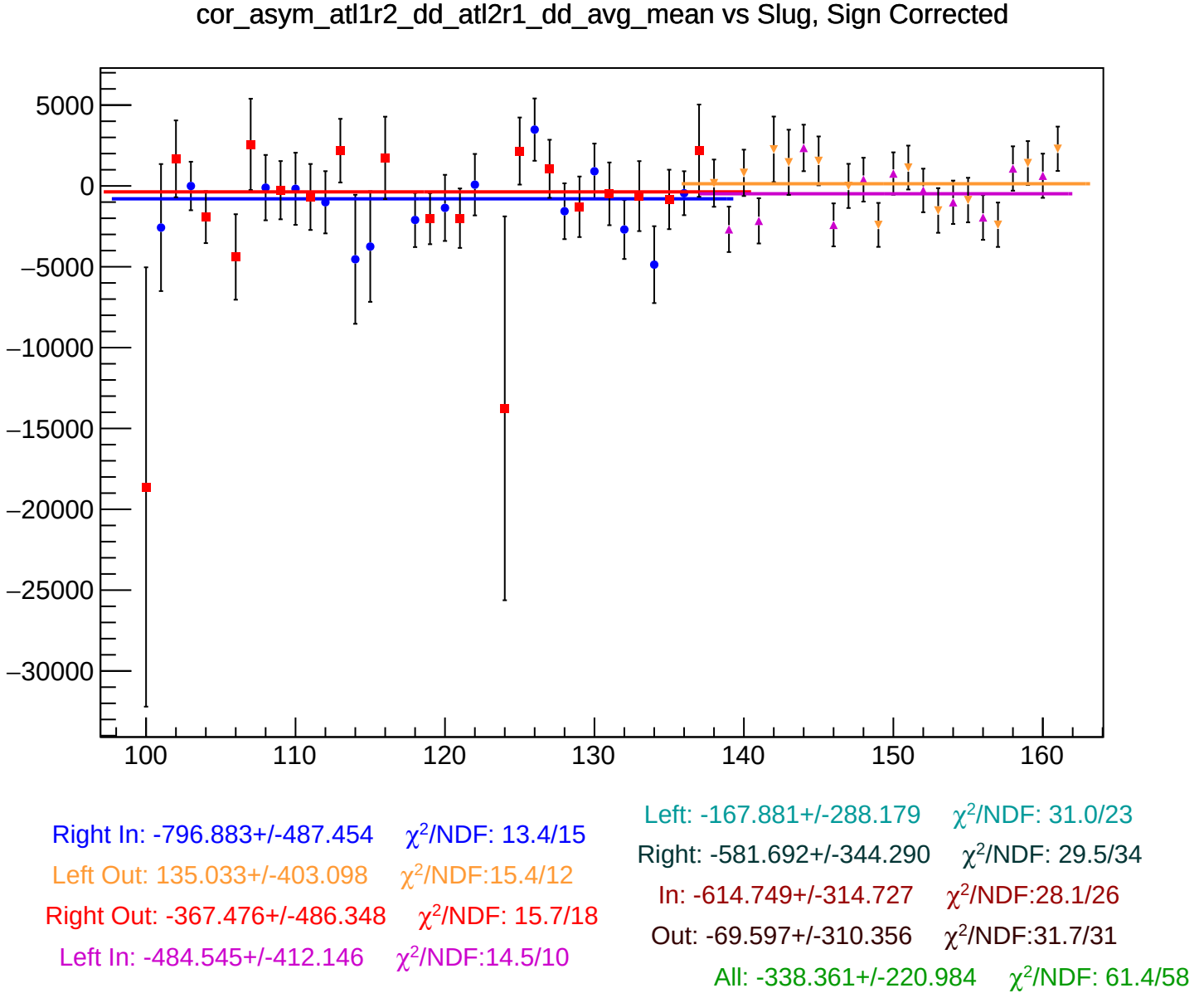
Left: 325.207+/-0.054 χ^2/NDF: 2726415.9/23

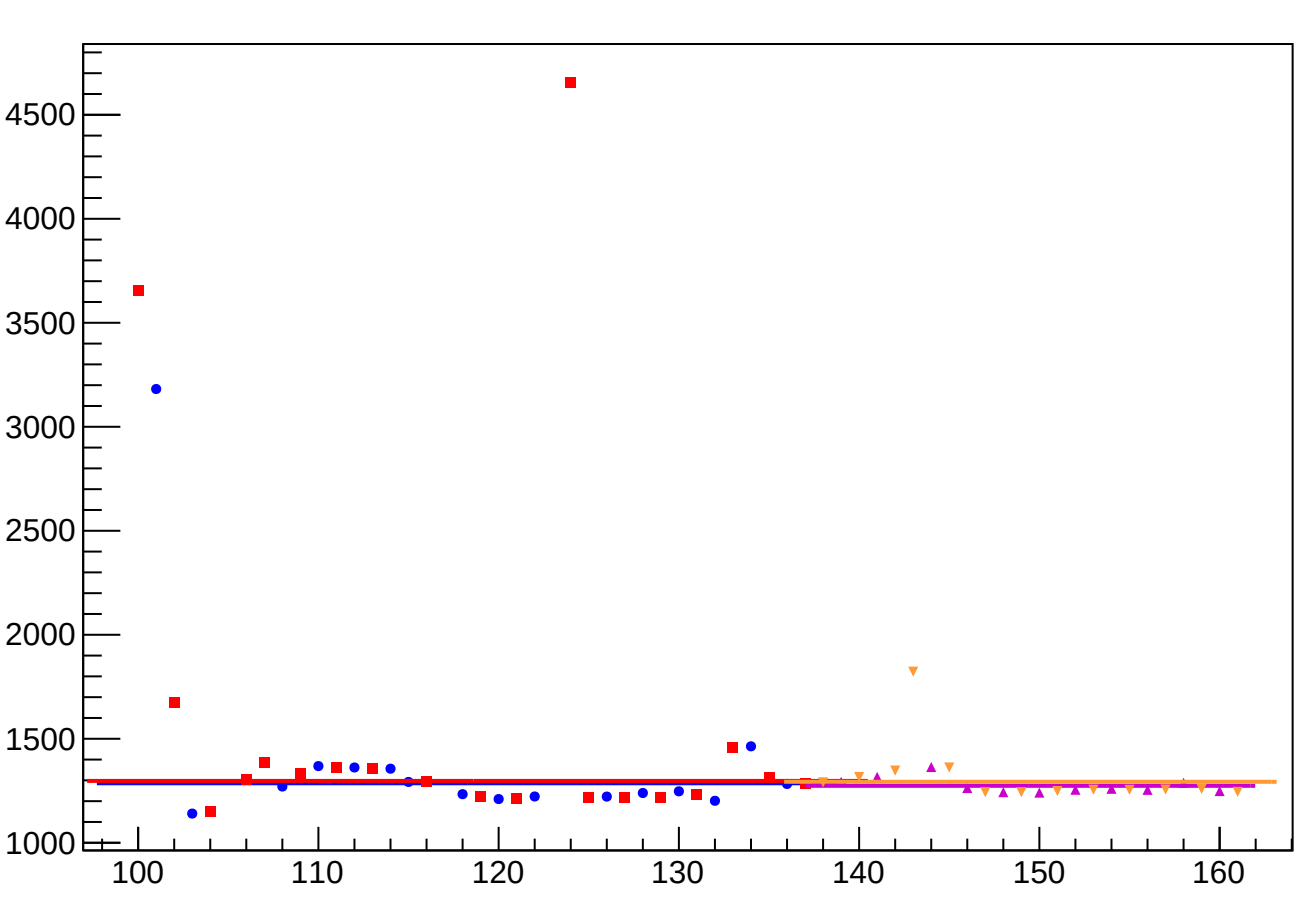
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 341.626+/-0.064 χ^2/NDF:4883182.4/26

Out: 340.289+/-0.064 χ^2/NDF:6388168.4/31

All: 340.953+/-0.045 χ^2/NDF: 11271568.8/58


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 135.033+/-403.098 χ²/NDF:15.4/12
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -484.545+/-412.146 χ²/NDF:14.5/10
Left: -167.881+/-288.179 χ²/NDF: 31.0/23
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -614.749+/-314.727 χ²/NDF:28.1/26
Out: -69.597+/-310.356 χ²/NDF:31.7/31
All: -338.361+/-220.984 χ²/NDF: 61.4/58



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1283.730+/-0.204 χ^2/NDF: 176399.6/23

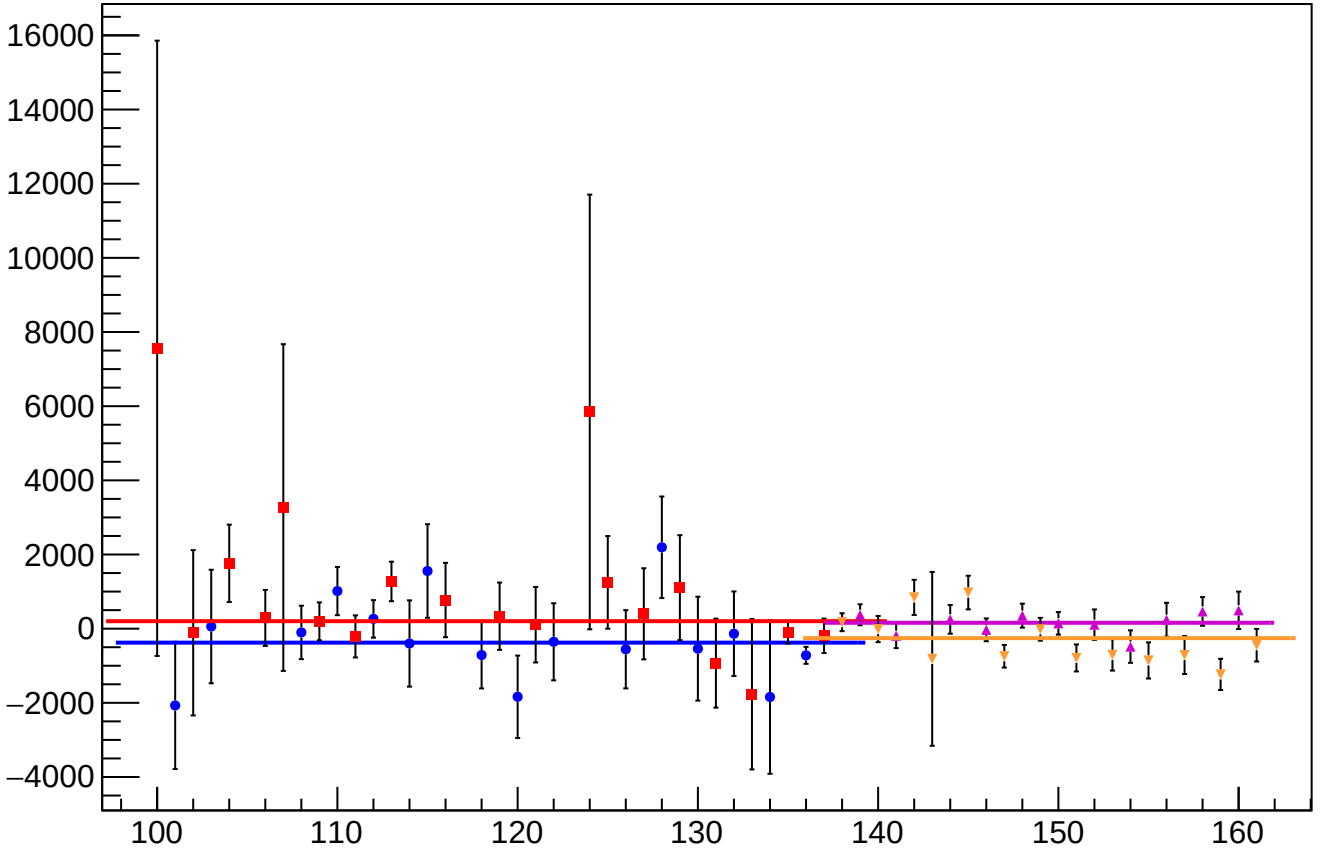
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1294.930+/-0.219 χ^2/NDF:487515.8/31

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

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: -254.928+/-106.606 χ^2/NDF:30.8/12

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 159.258+/-108.014 χ^2/NDF:5.7/10

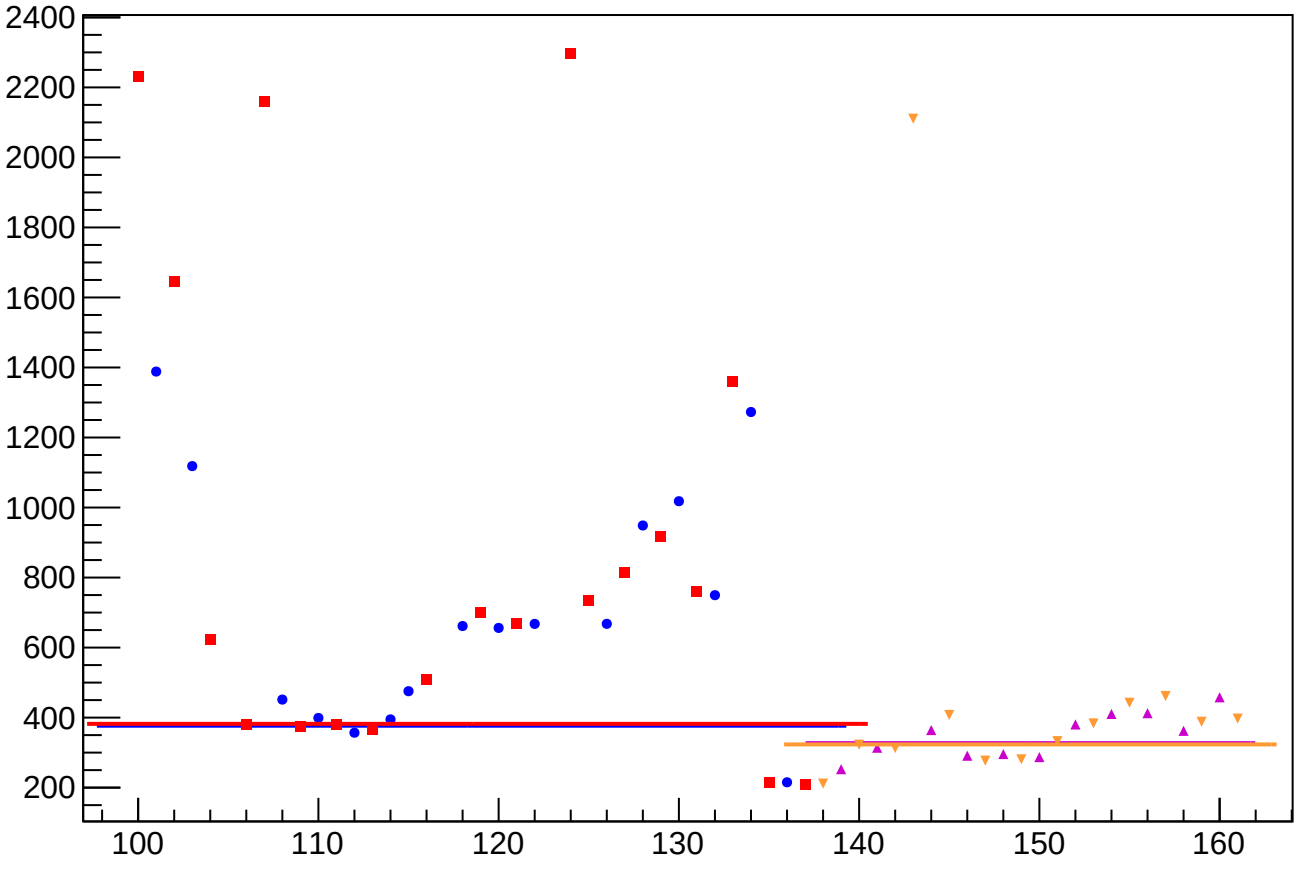
Left: -50.552+/-75.875 χ^2/NDF: 44.0/23

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -125.238+/-90.223 χ^2/NDF:50.1/31

All: -61.701+/-64.032 χ^2/NDF: 81.9/58



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

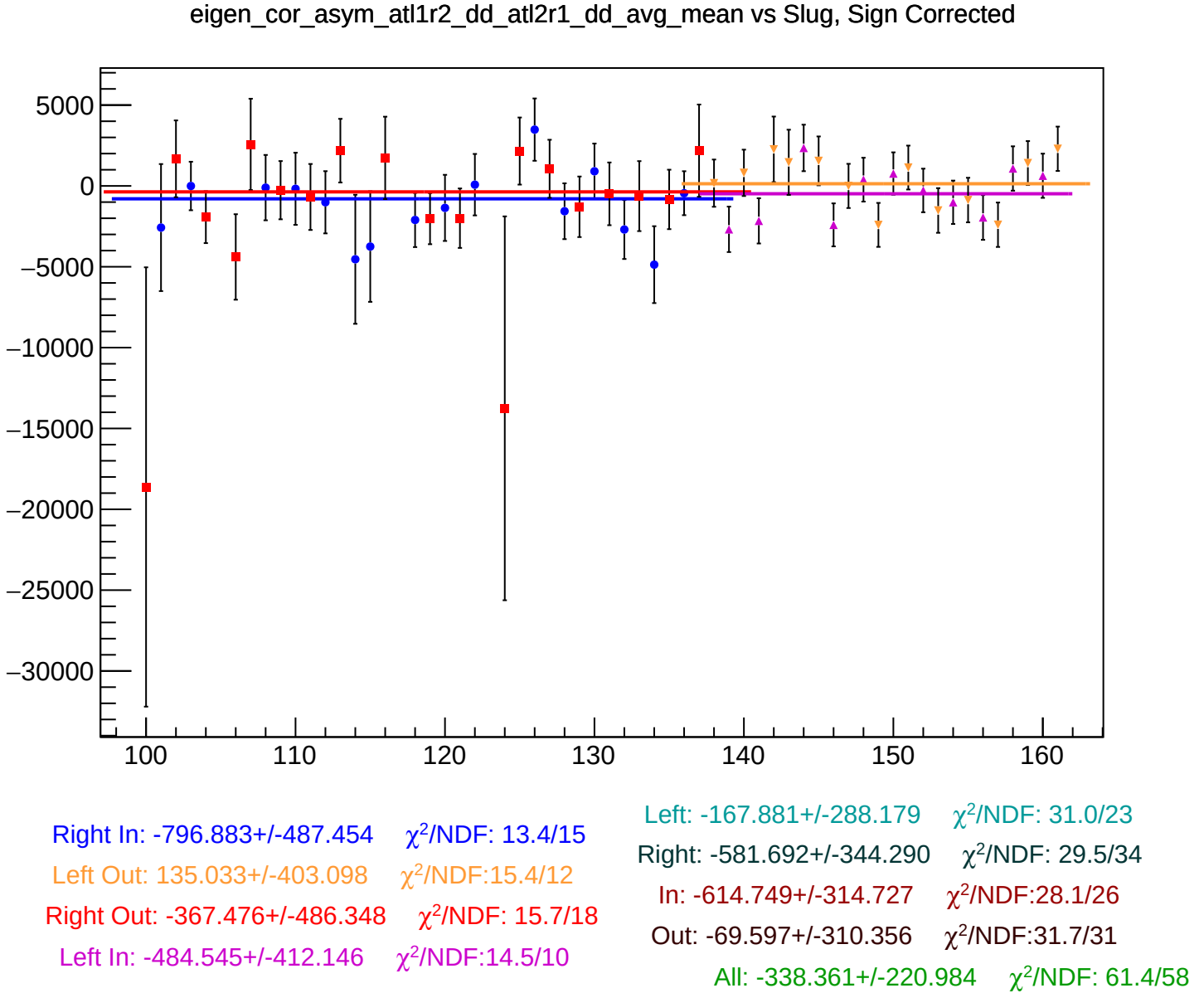
Left: 325.211+/-0.054 χ^2/NDF: 2726396.6/23

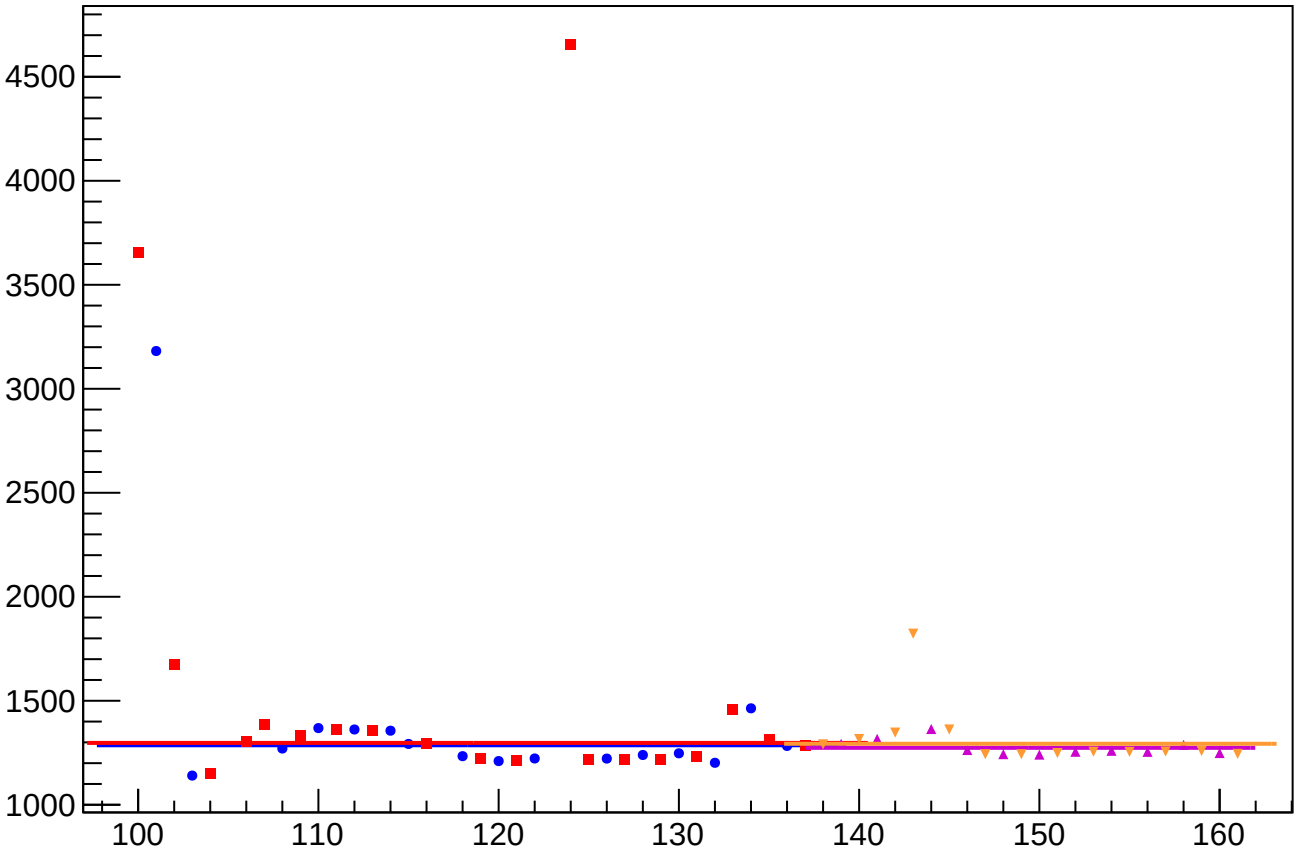
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 340.058+/-0.064 χ^2/NDF:6388234.4/31

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 135.033+/-403.098 χ²/NDF:15.4/12
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -484.545+/-412.146 χ²/NDF:14.5/10
Left: -167.881+/-288.179 χ²/NDF: 31.0/23
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -614.749+/-314.727 χ²/NDF:28.1/26
Out: -69.597+/-310.356 χ²/NDF:31.7/31
All: -338.361+/-220.984 χ²/NDF: 61.4/58



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

Left: 1283.730+/-0.204 χ^2/NDF: 176399.6/23

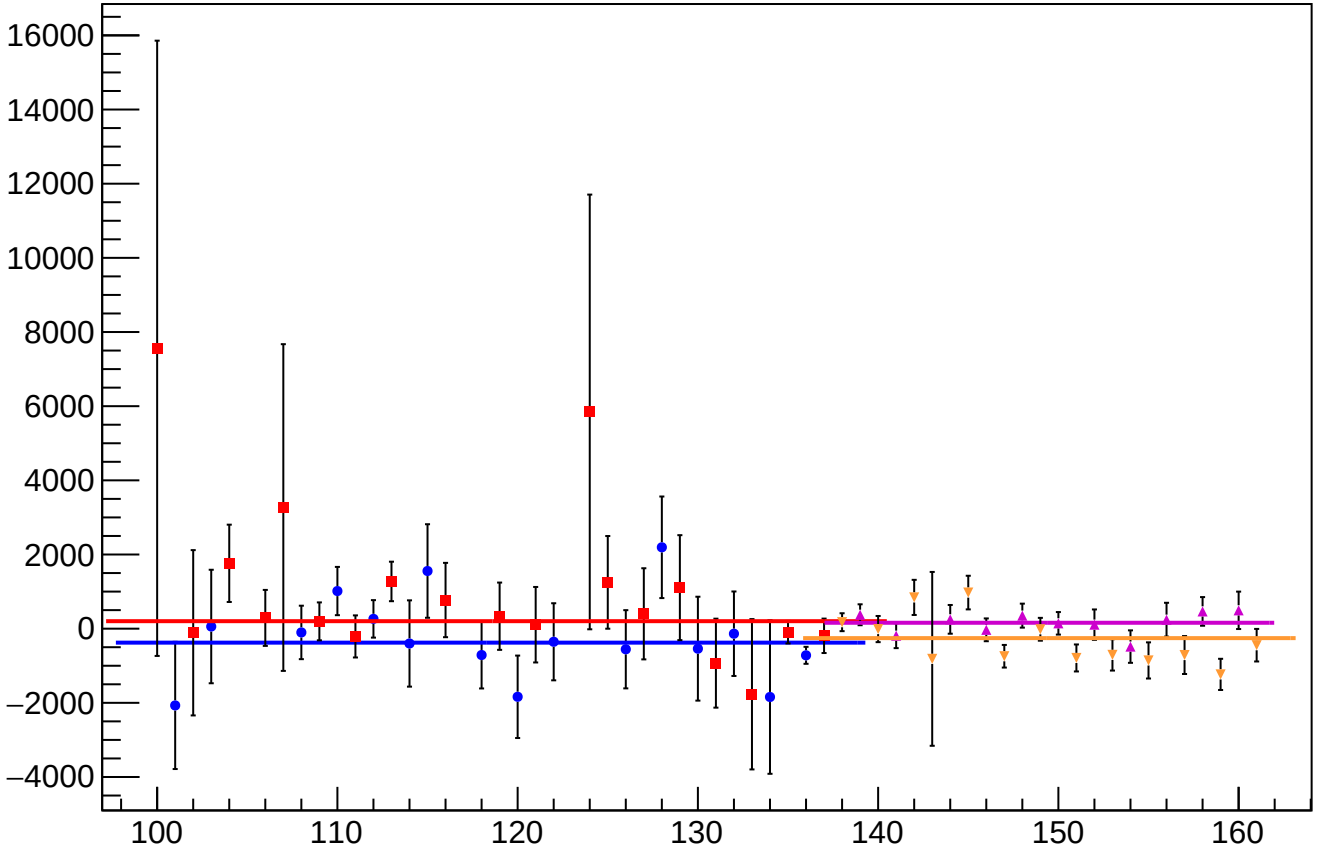
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1278.922+/-0.223 χ^2/NDF:533308.5/26

Out: 1294.930+/-0.219 χ^2/NDF:487515.8/31

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

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: -254.928+/-106.606 χ^2/NDF:30.8/12

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 159.258+/-108.014 χ^2/NDF:5.7/10

Left: -50.552+/-75.875 χ^2/NDF: 44.0/23

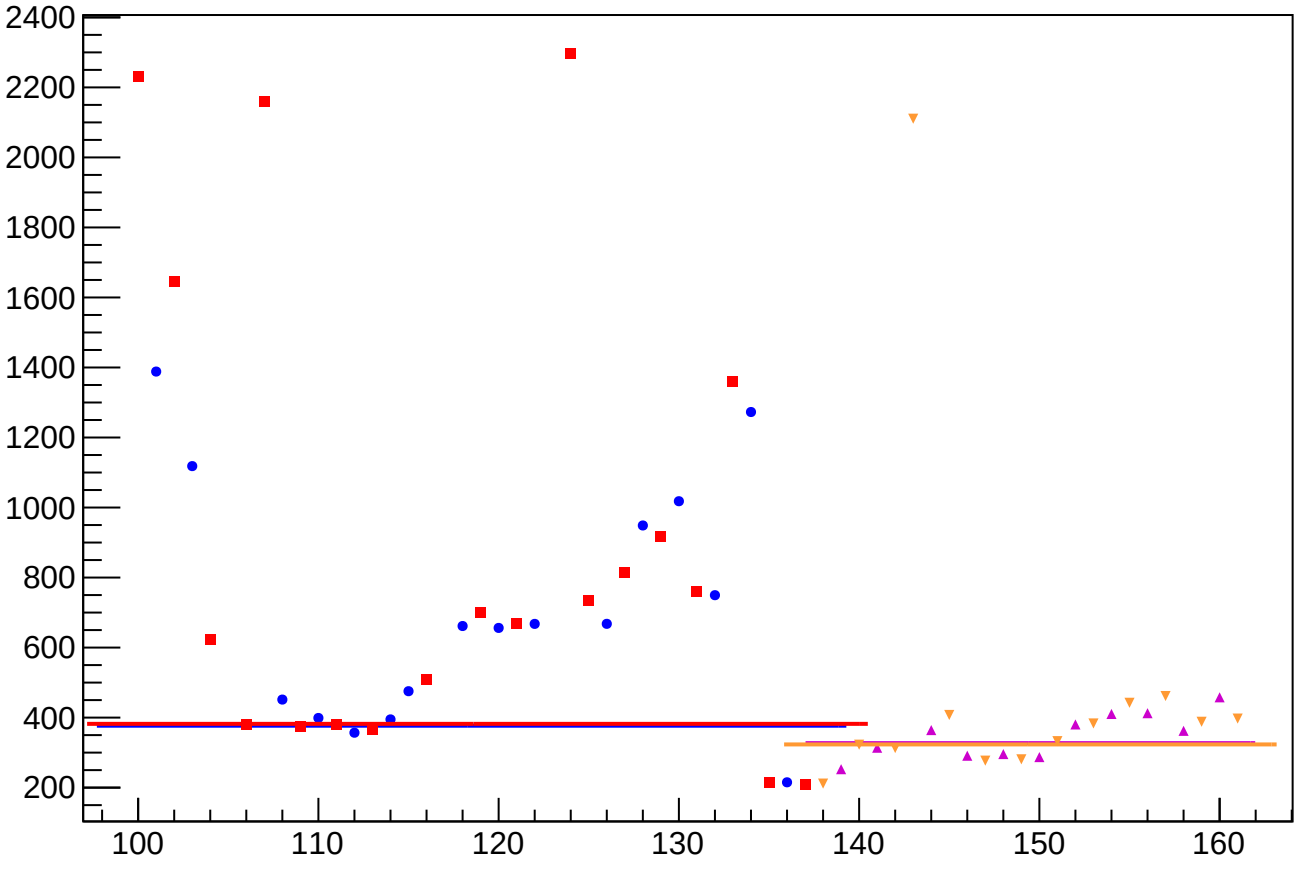
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 2.779+/-90.891 χ^2/NDF:30.9/26

Out: -125.238+/-90.223 χ^2/NDF:50.1/31

All: -61.701+/-64.032 χ^2/NDF: 81.9/58

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: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

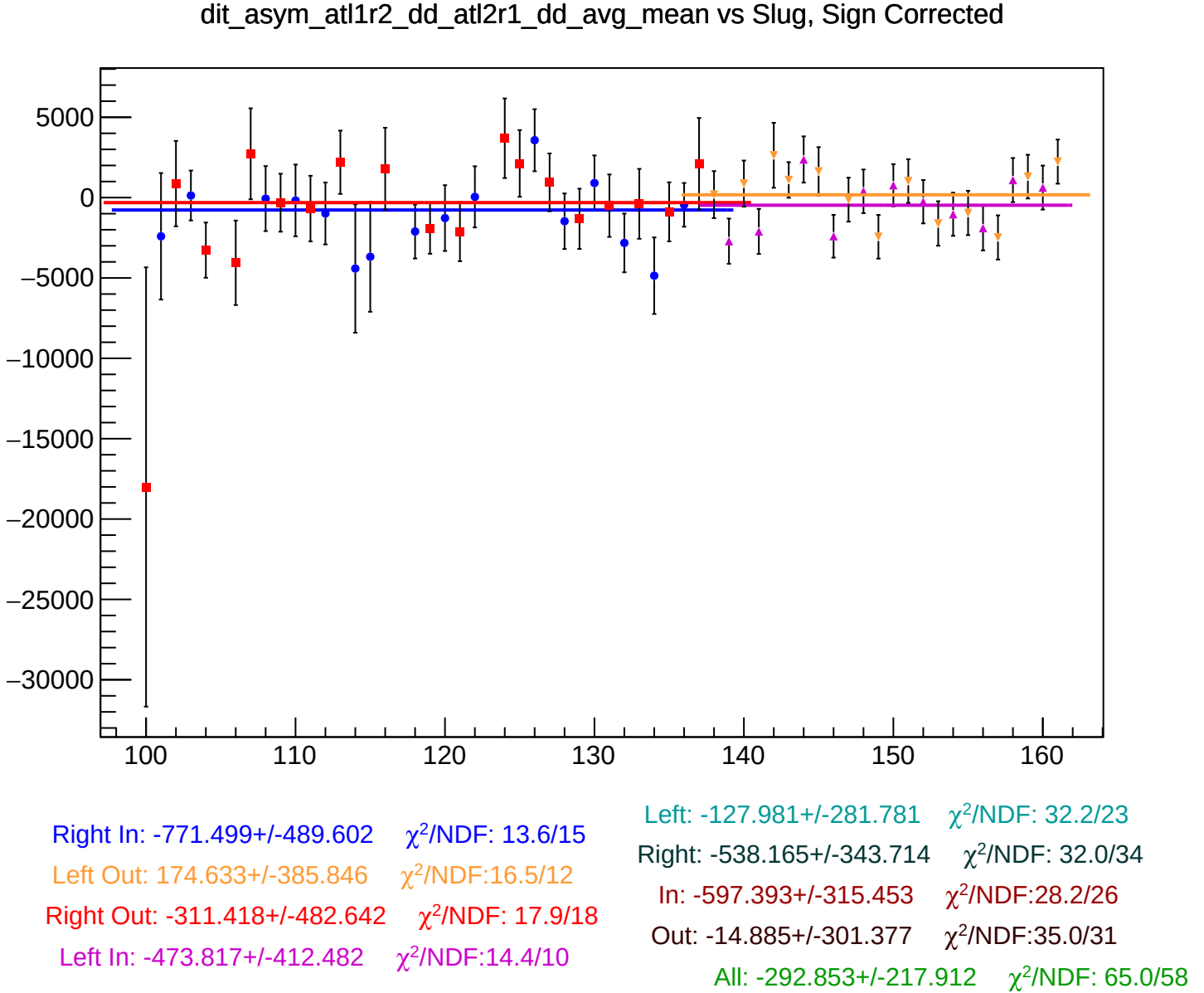
Left: 325.211+/-0.054 χ^2/NDF: 2726396.6/23

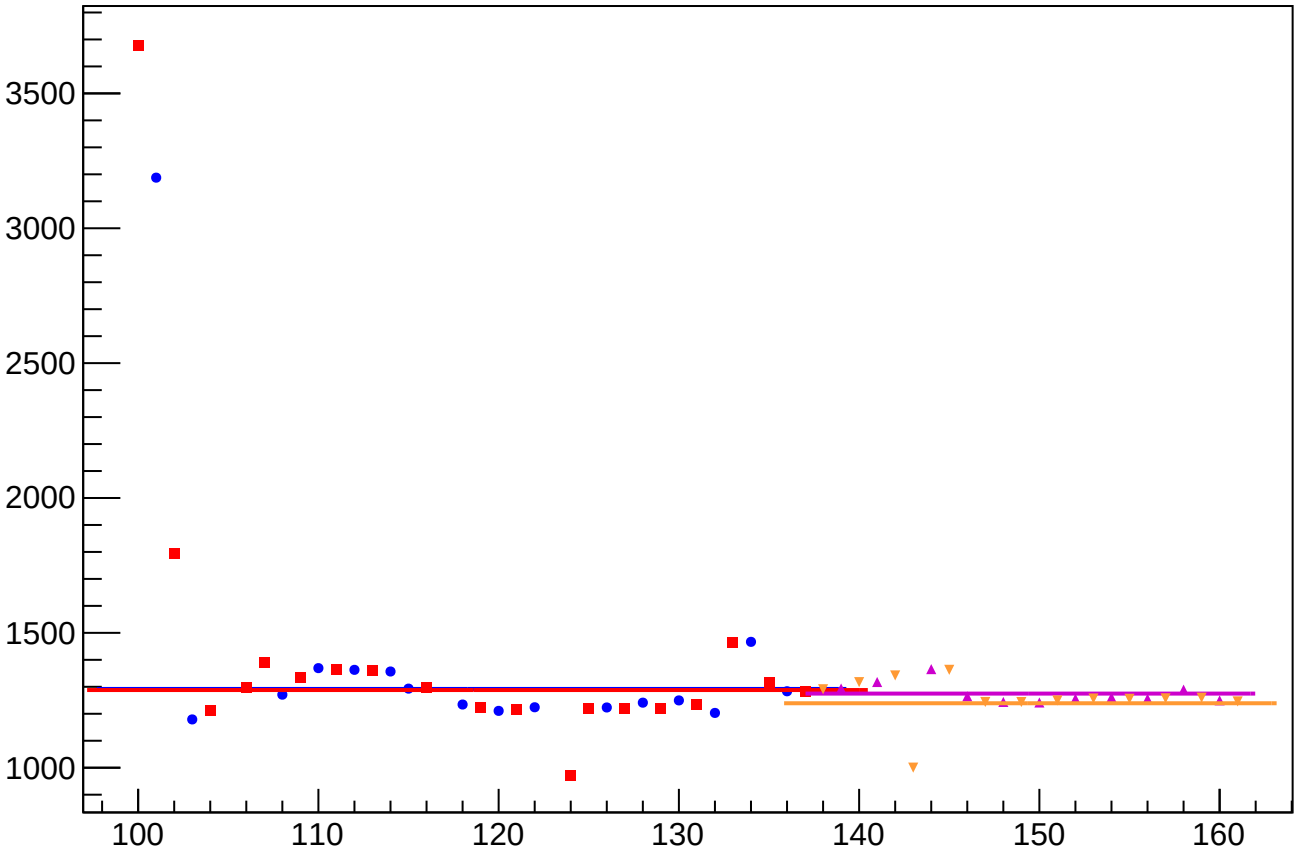
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 341.620+/-0.064 χ^2/NDF:4886351.8/26

Out: 340.058+/-0.064 χ^2/NDF:6388234.4/31

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 174.633+/-385.846 χ²/NDF:16.5/12
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -473.817+/-412.482 χ²/NDF:14.4/10
Left: -127.981+/-281.781 χ²/NDF: 32.2/23
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -597.393+/-315.453 χ²/NDF:28.2/26
Out: -14.885+/-301.377 χ²/NDF:35.0/31
All: -292.853+/-217.912 χ²/NDF: 65.0/58



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121701.5/12

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1255.718+/-0.199 χ^2/NDF: 144252.0/23

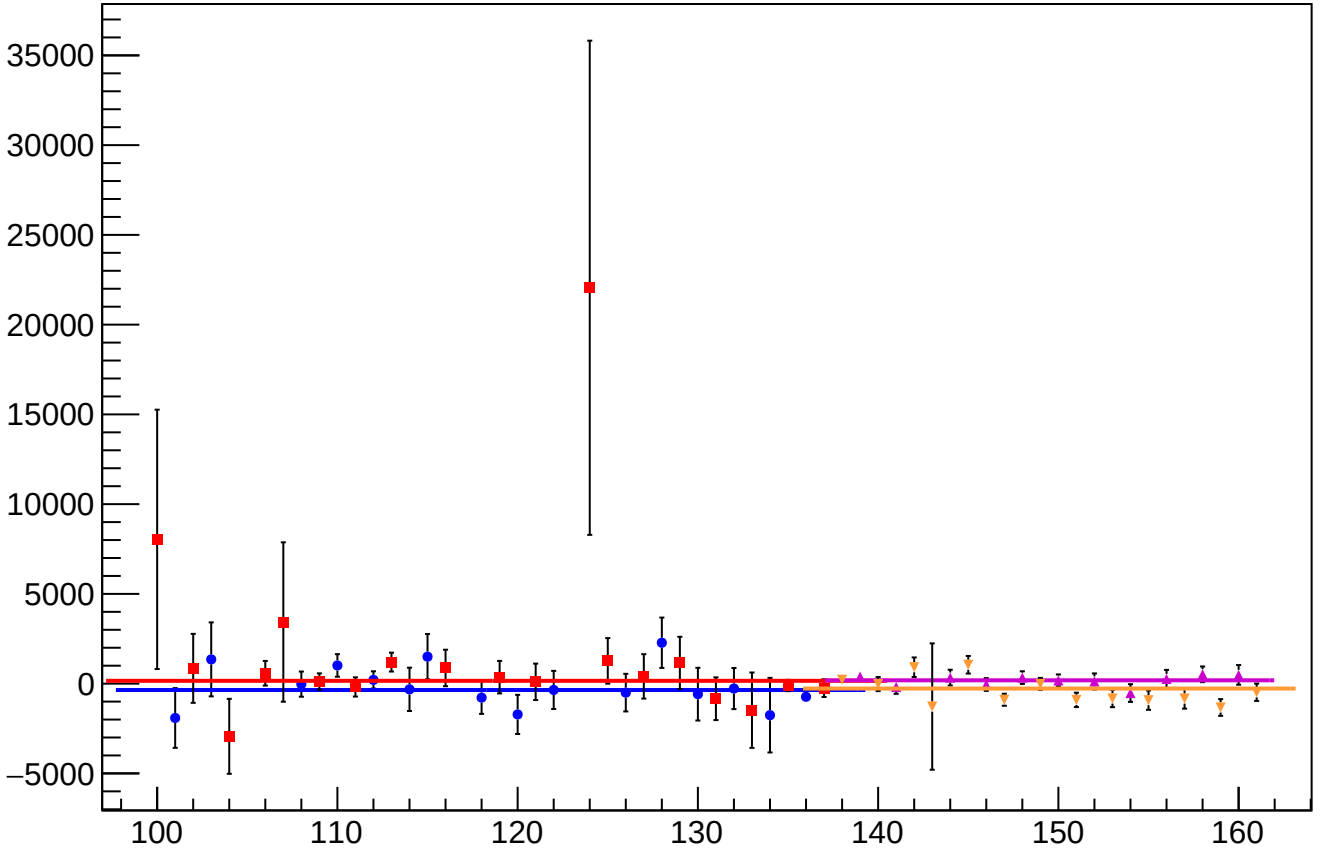
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.100+/-0.213 χ^2/NDF:343481.8/31

All: 1269.491+/-0.154 χ^2/NDF: 874824.7/58

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: -272.414+/-115.649 χ^2/NDF:32.2/12

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 186.432+/-117.842 χ^2/NDF:5.3/10

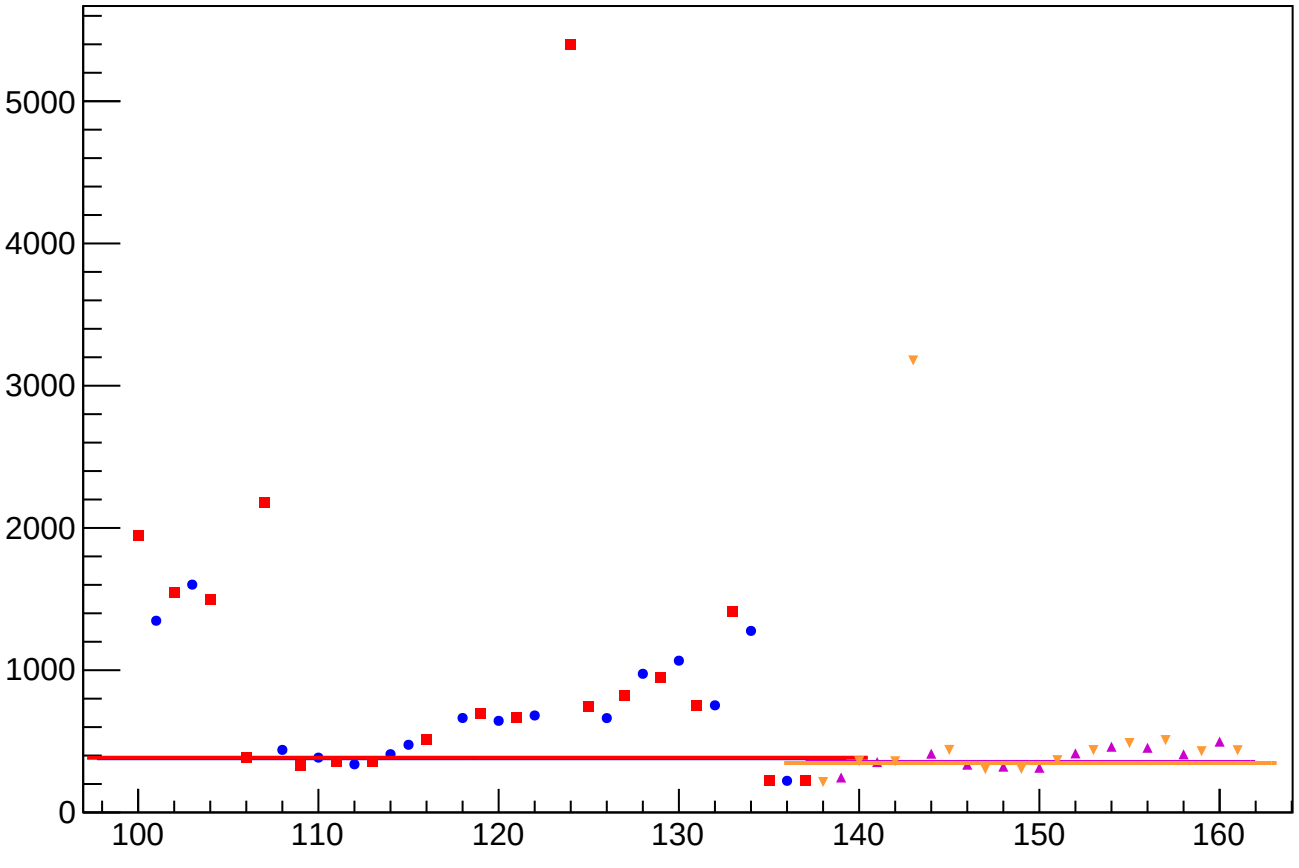
Left: -47.302+/-82.541 χ^2/NDF: 45.2/23

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 10.591+/-96.844 χ^2/NDF:30.6/26

Out: -135.898+/-95.560 χ^2/NDF:52.5/31

All: -63.631+/-68.021 χ^2/NDF: 84.2/58



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 347.482+/-0.082 χ^2/NDF:2542790.6/12

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

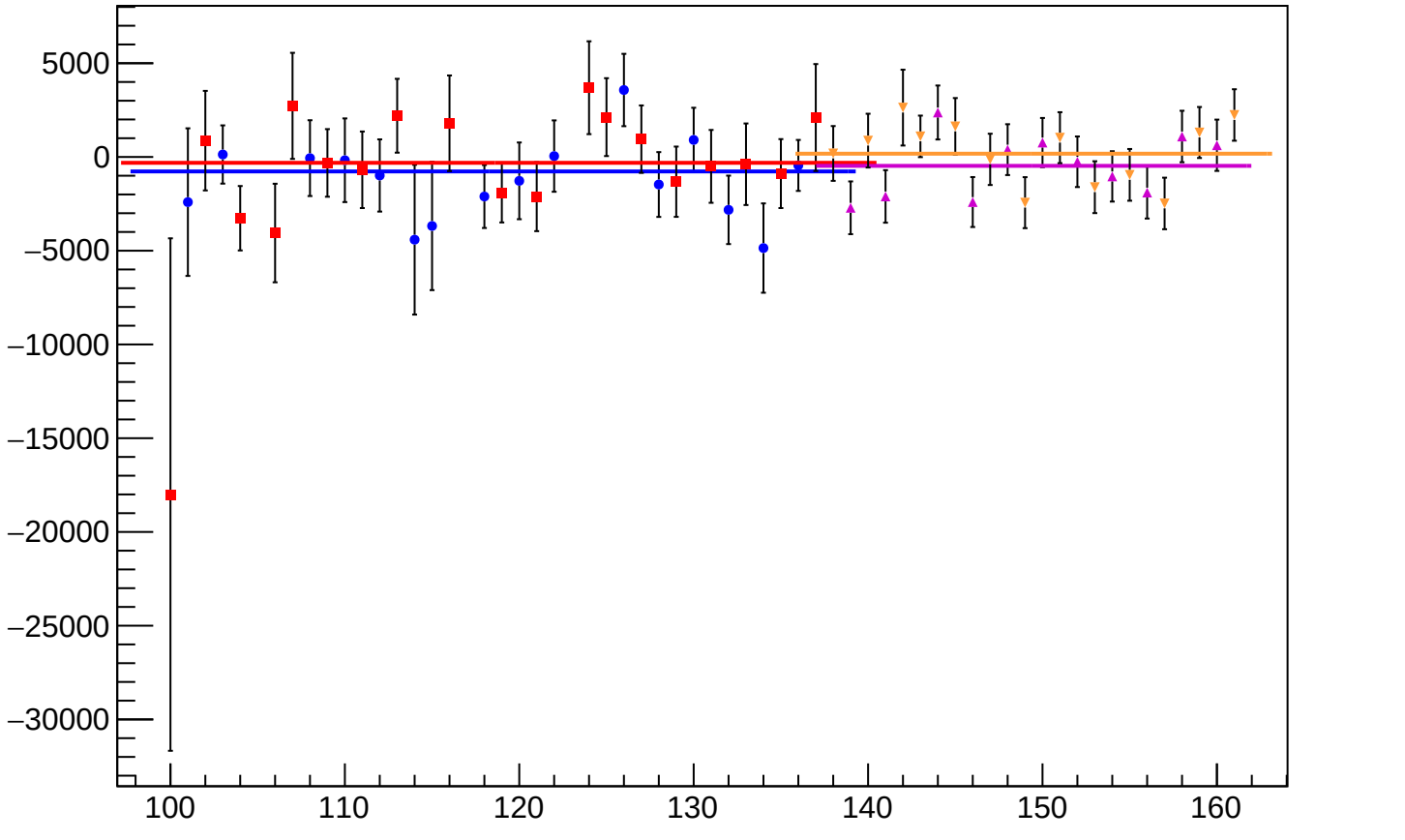
Left: 351.110+/-0.058 χ^2/NDF: 3322707.9/23

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 363.471+/-0.068 χ^2/NDF:5126592.3/26

Out: 359.273+/-0.068 χ^2/NDF:7168534.3/31

All: 361.344+/-0.048 χ^2/NDF: 12297030.5/58



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.634+/-385.846 χ^2/NDF:16.5/12

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -473.816+/-412.482 χ^2/NDF:14.4/10

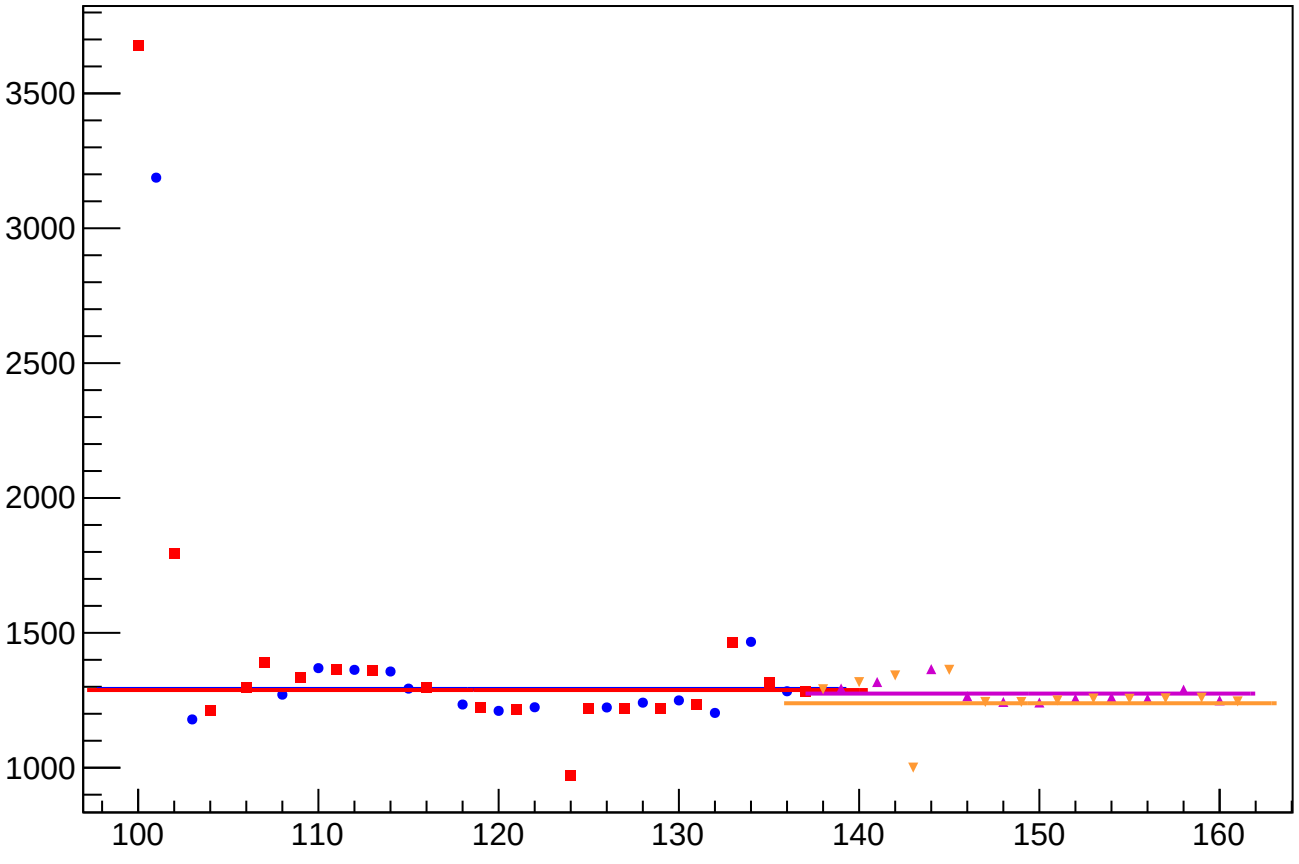
Left: -127.980+/-281.781 χ^2/NDF: 32.2/23

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -597.394+/-315.453 χ^2/NDF:28.2/26

Out: -14.885+/-301.377 χ^2/NDF:35.0/31

All: -292.853+/-217.912 χ^2/NDF: 65.0/58



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121700.7/12

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

Left: 1255.718+/-0.199 χ^2/NDF: 144251.2/23

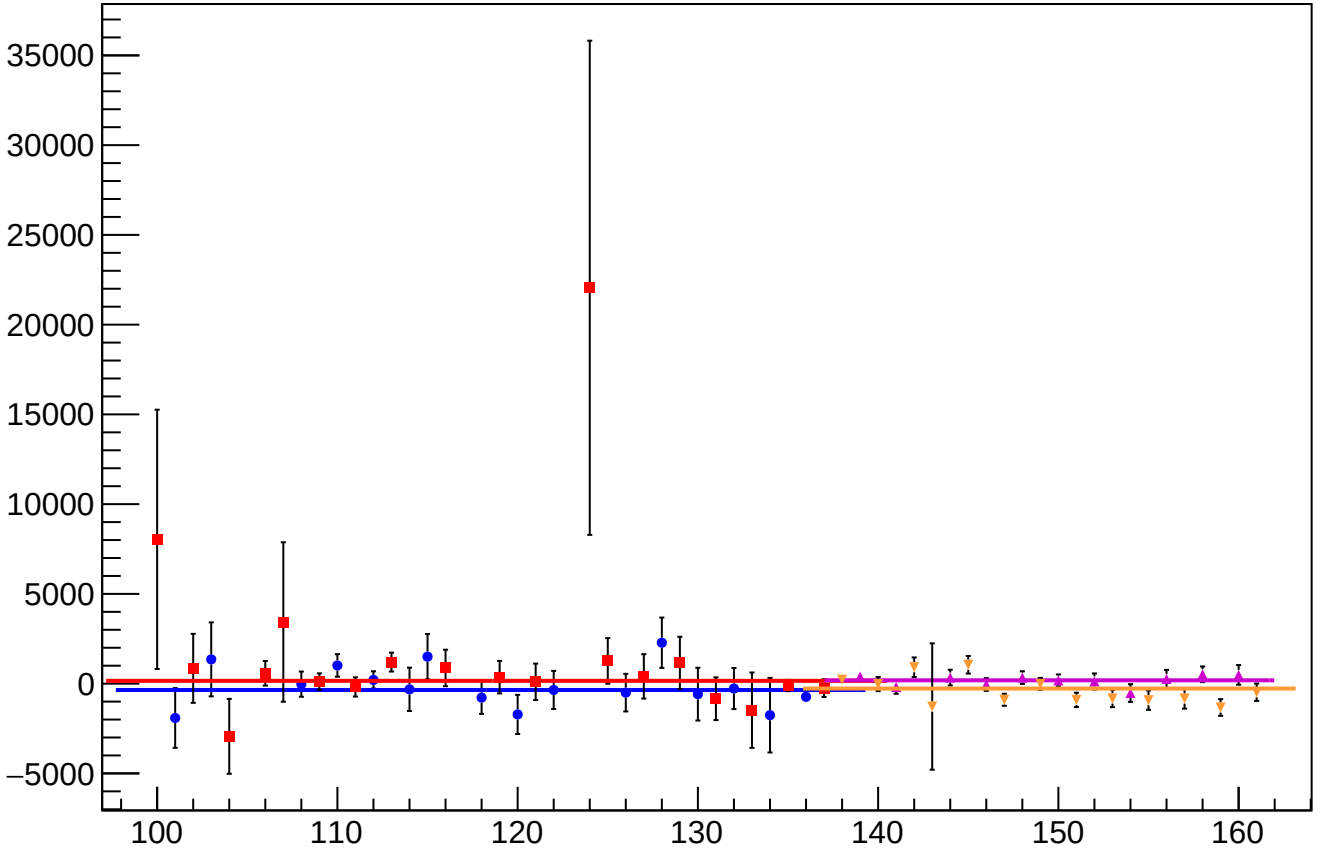
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1281.970+/-0.223 χ^2/NDF:525355.8/26

Out: 1258.100+/-0.213 χ^2/NDF:343481.2/31

All: 1269.491+/-0.154 χ^2/NDF: 874824.1/58

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -272.426+/-115.650 χ^2/NDF:32.2/12

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 186.432+/-117.844 χ^2/NDF:5.3/10

Left: -47.307+/-82.542 χ^2/NDF: 45.2/23

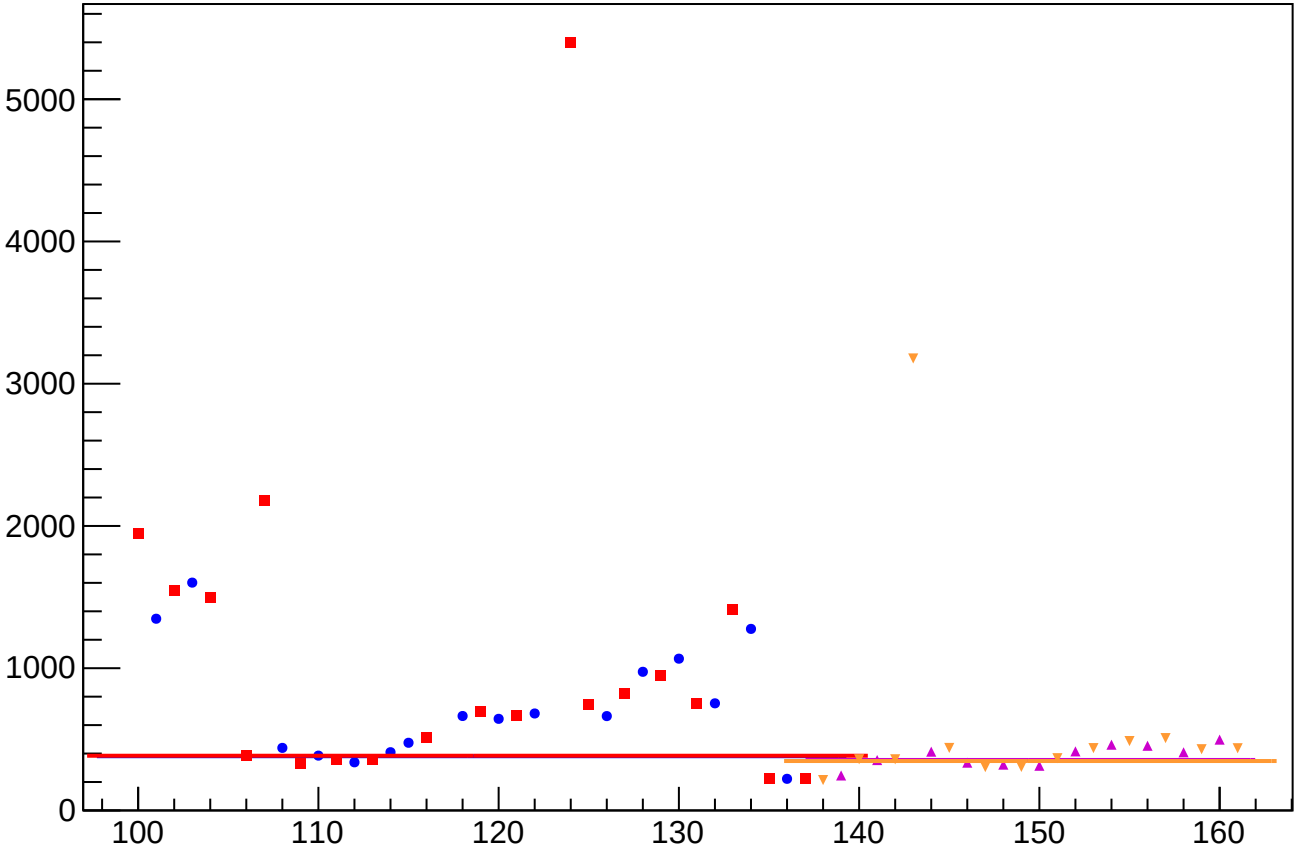
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 10.593+/-96.845 χ^2/NDF:30.6/26

Out: -135.904+/-95.562 χ^2/NDF:52.5/31

All: -63.633+/-68.021 χ^2/NDF: 84.2/58

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: 347.489+/-0.082 χ^2/NDF:2542614.1/12

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

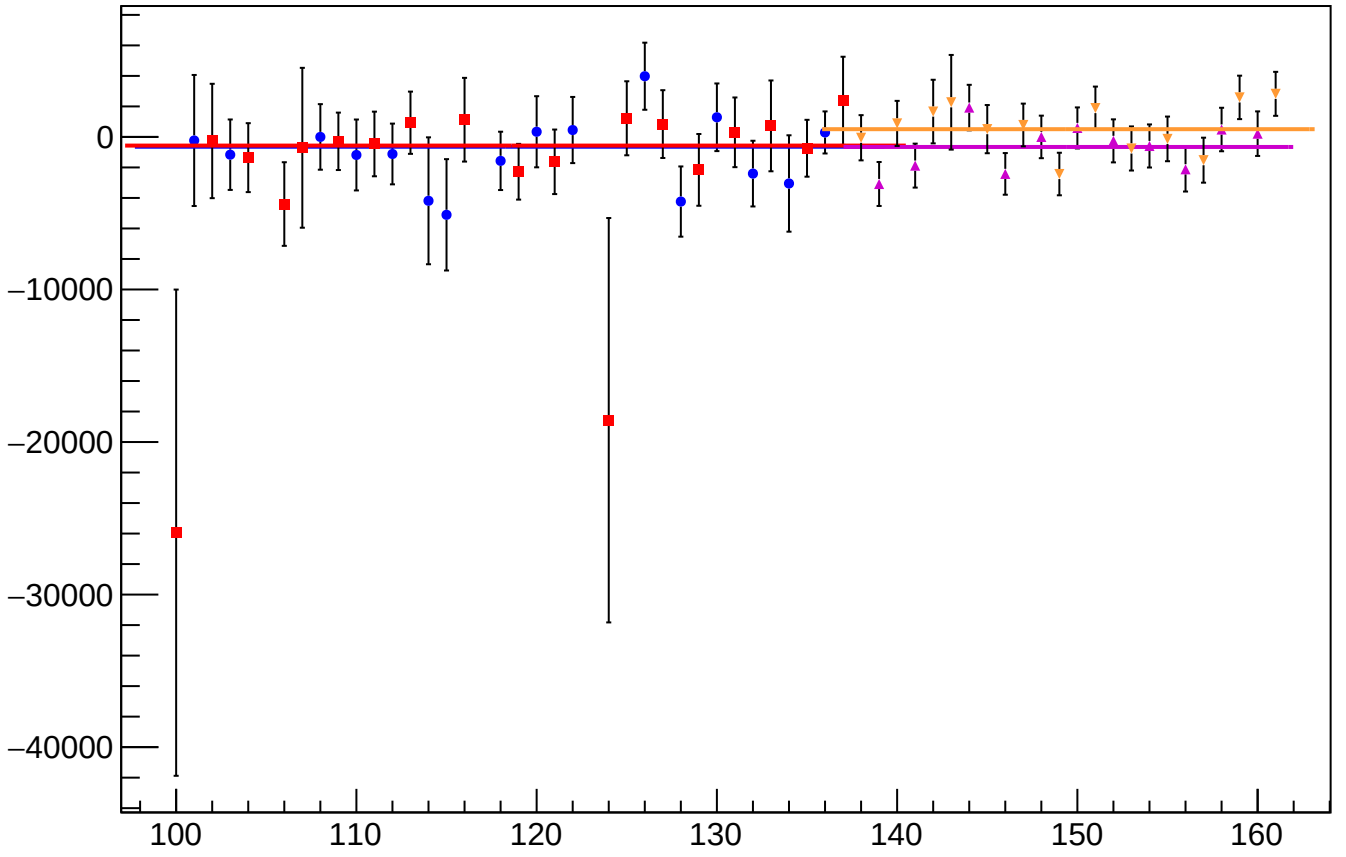
Left: 351.116+/-0.058 χ^2/NDF: 3322432.4/23

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 363.477+/-0.068 χ^2/NDF:5126321.9/26

Out: 359.280+/-0.068 χ^2/NDF:7168220.2/31

All: 361.351+/-0.048 χ^2/NDF: 12296445.4/58



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 507.914+/-424.273 χ^2/NDF:13.9/12

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -657.388+/-428.345 χ^2/NDF:11.4/10

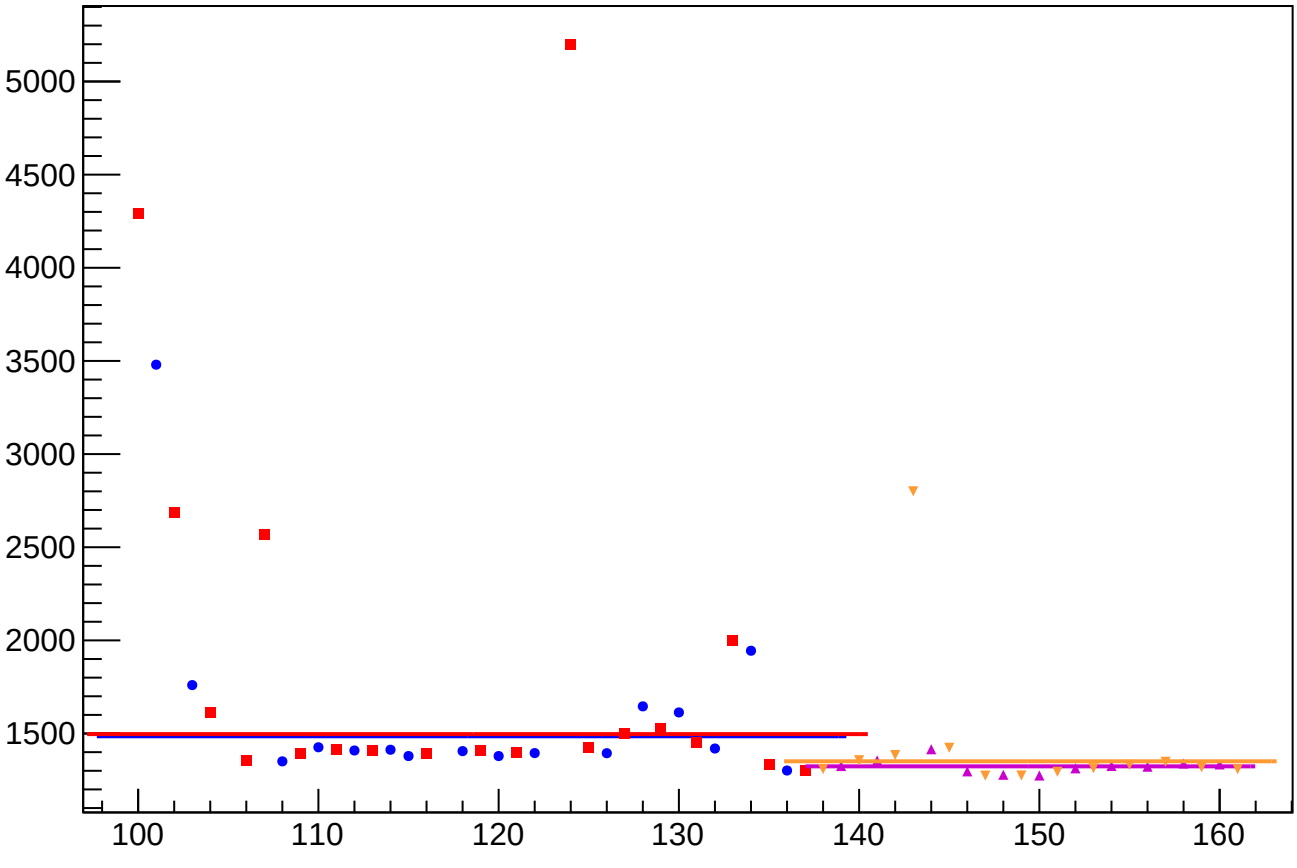
Left: -69.172+/-301.436 χ^2/NDF: 29.0/23

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -651.334+/-341.199 χ^2/NDF:23.9/26

Out: 121.795+/-339.651 χ^2/NDF:27.5/31

All: -263.011+/-240.715 χ^2/NDF: 53.9/58



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1350.998+/-0.300 χ^2/NDF:462116.1/12

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

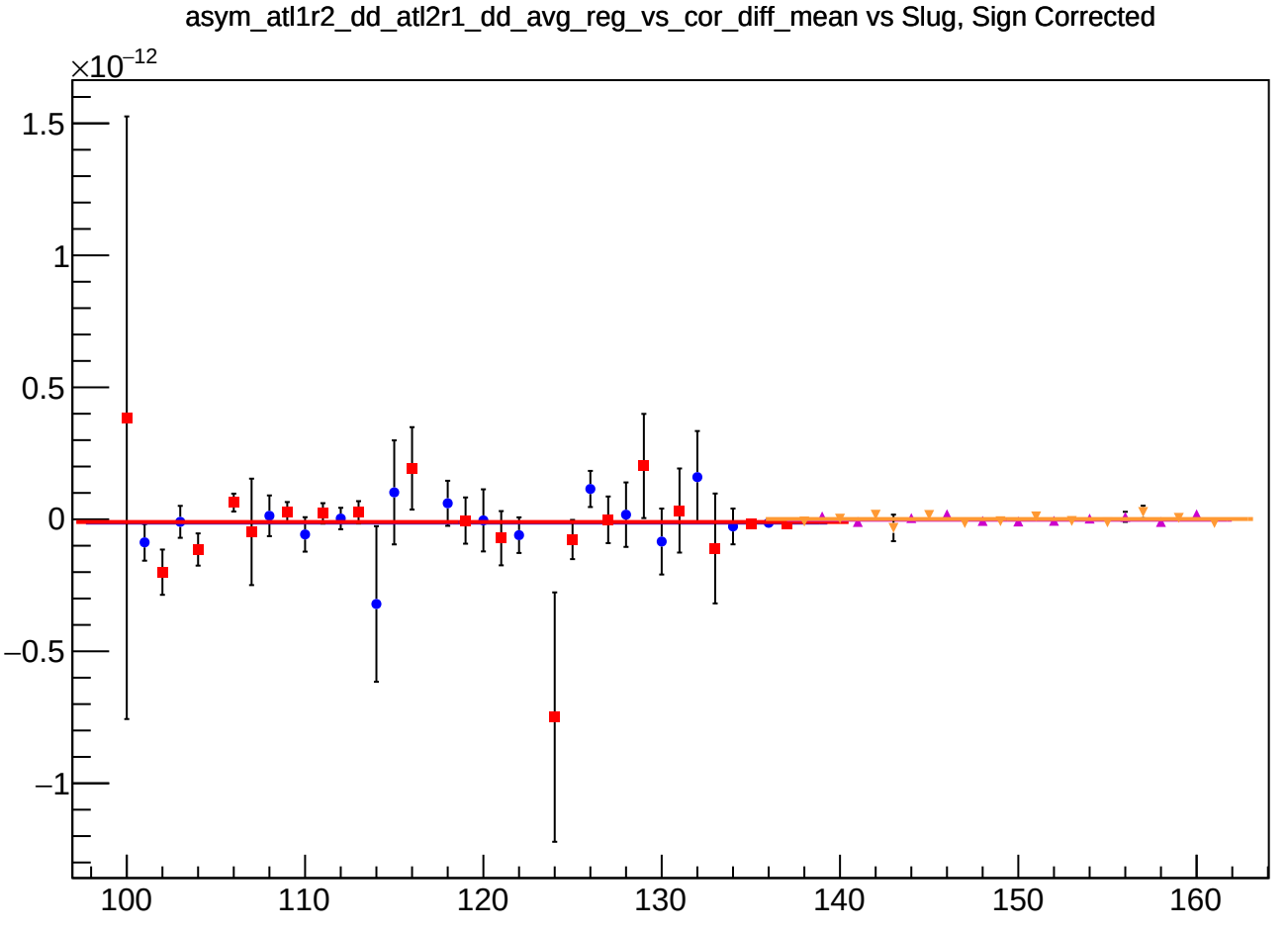
Left: 1337.533+/-0.213 χ^2/NDF: 480710.3/23

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1382.859+/-0.241 χ^2/NDF:702993.4/26

Out: 1403.383+/-0.240 χ^2/NDF:1170307.4/31

All: 1393.168+/-0.170 χ^2/NDF: 1876935.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/10

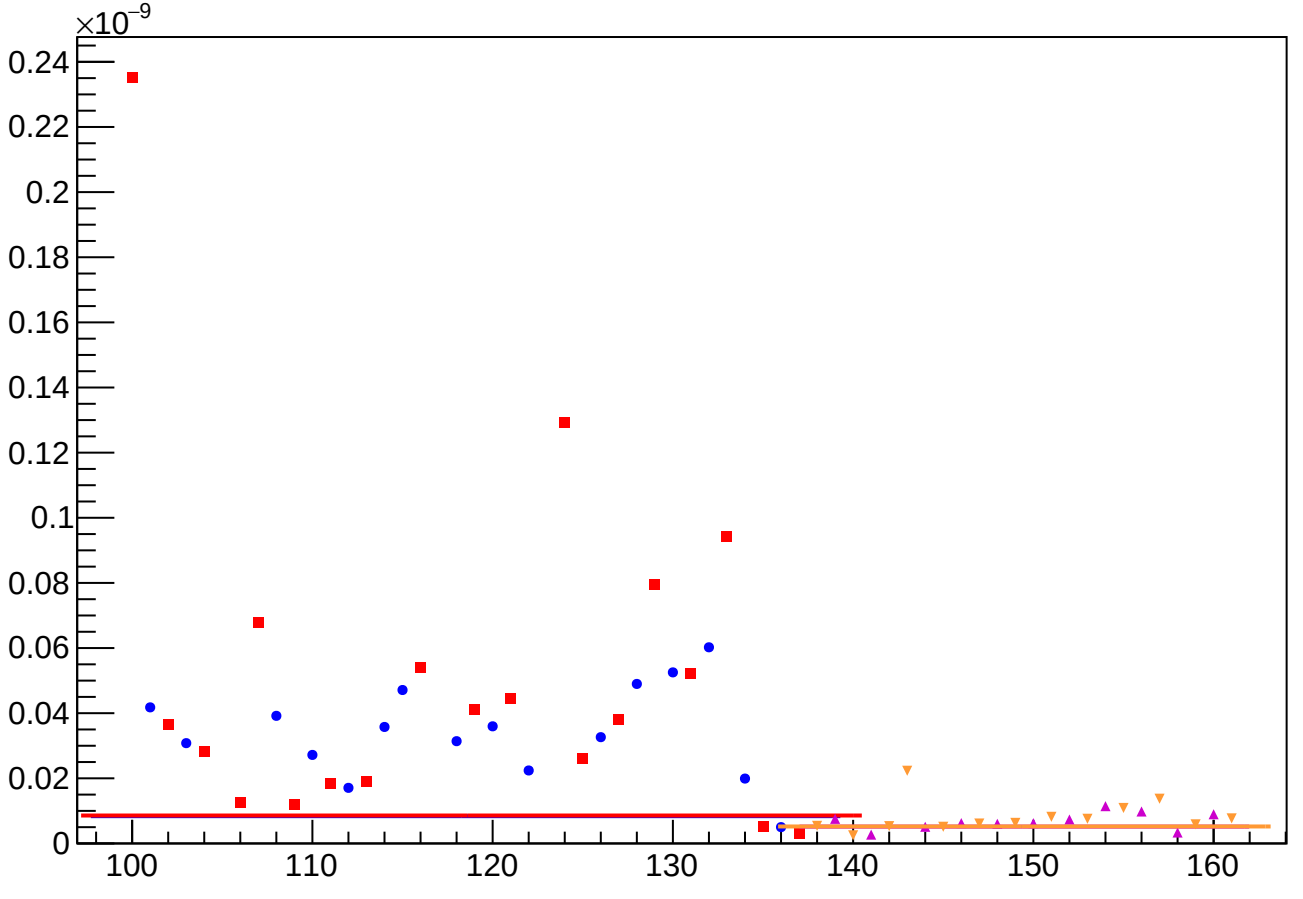
Left: -0.000+/-0.000 χ^2/NDF: 27.0/23

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:37.8/31

All: -0.000+/-0.000 χ^2/NDF: 62.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617555.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

Left: 0.000+/-0.000 χ^2/NDF: 2825334.5/23

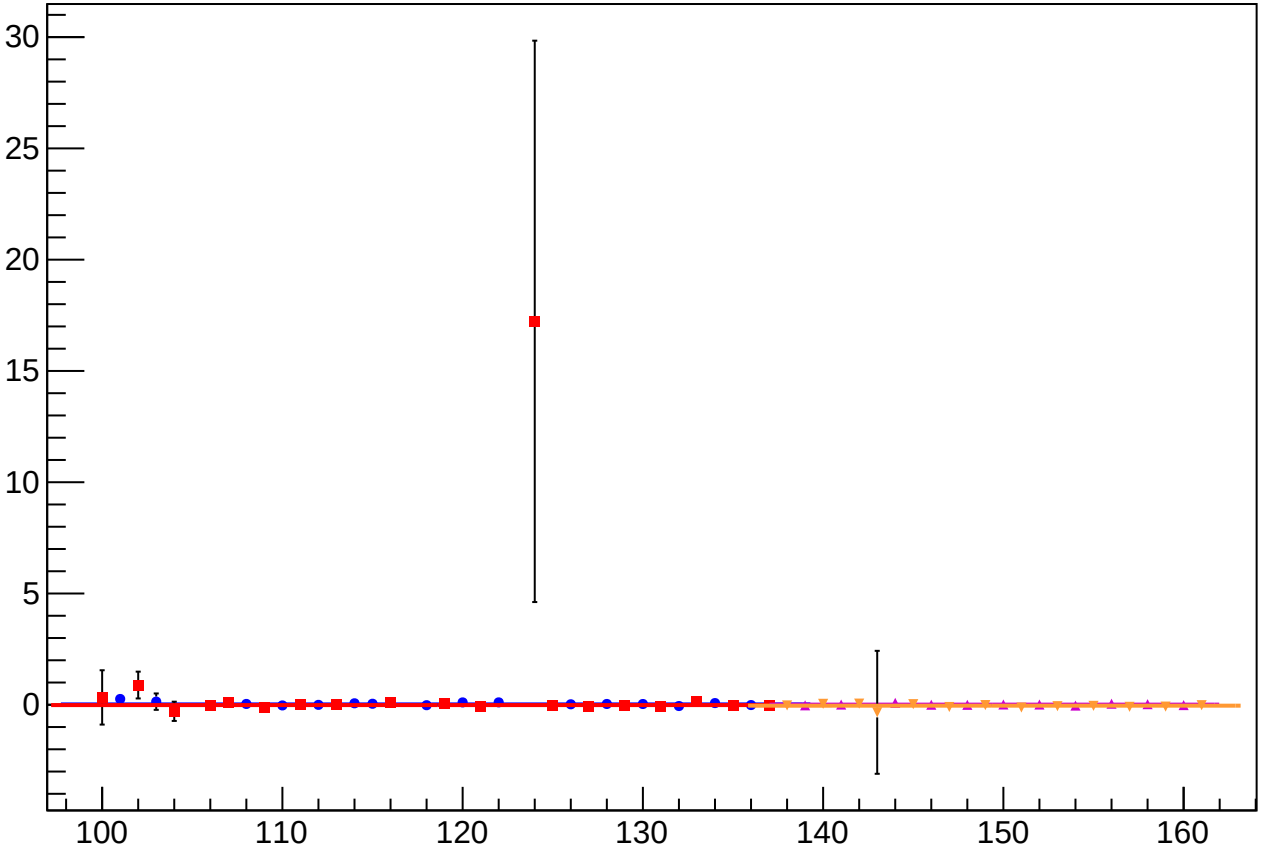
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4591650.6/26

Out: 0.000+/-0.000 χ^2/NDF:5279526.5/31

All: 0.000+/-0.000 χ^2/NDF: 9871181.6/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

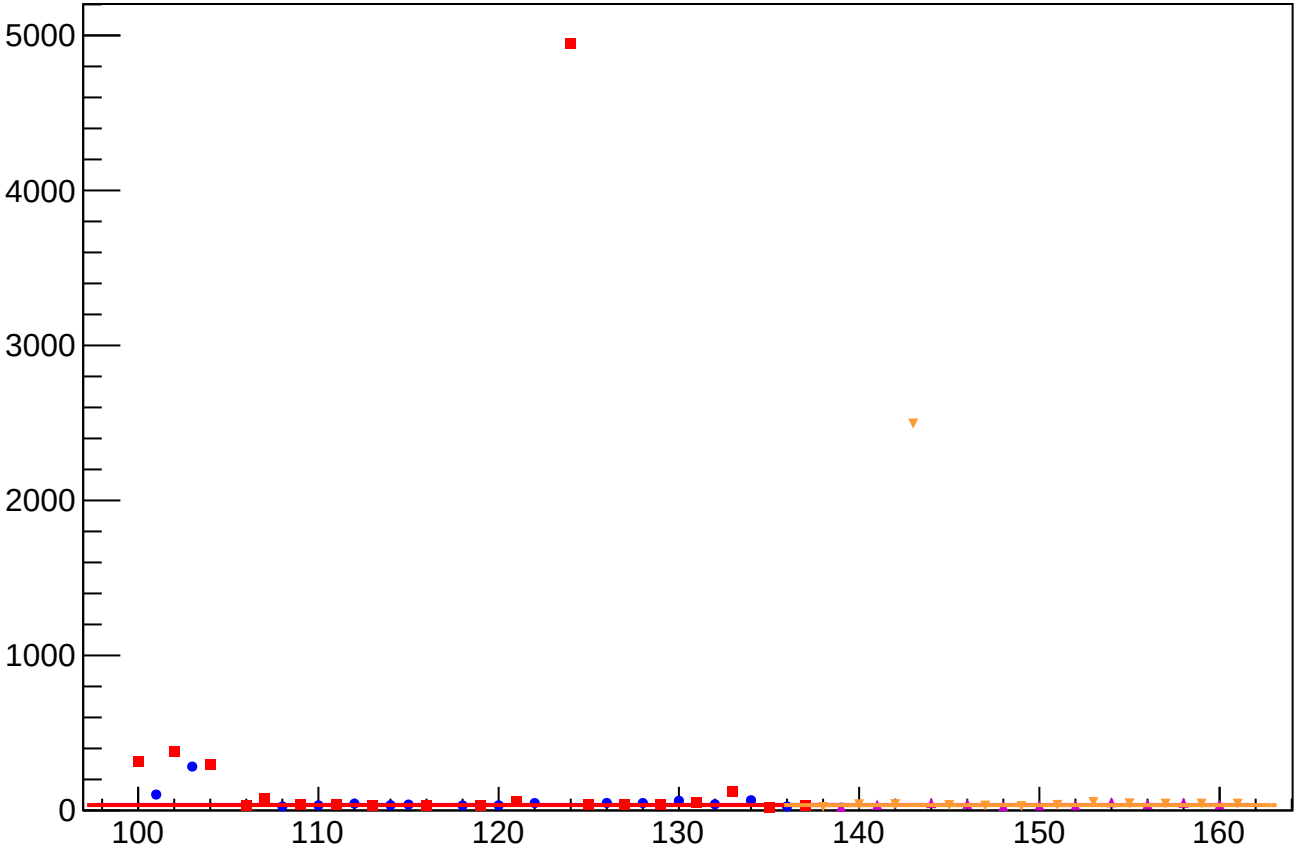
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.531+/-0.009 χ^2/NDF:2600715.8/12

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

Left: 34.986+/-0.006 χ^2/NDF: 3529119.6/23

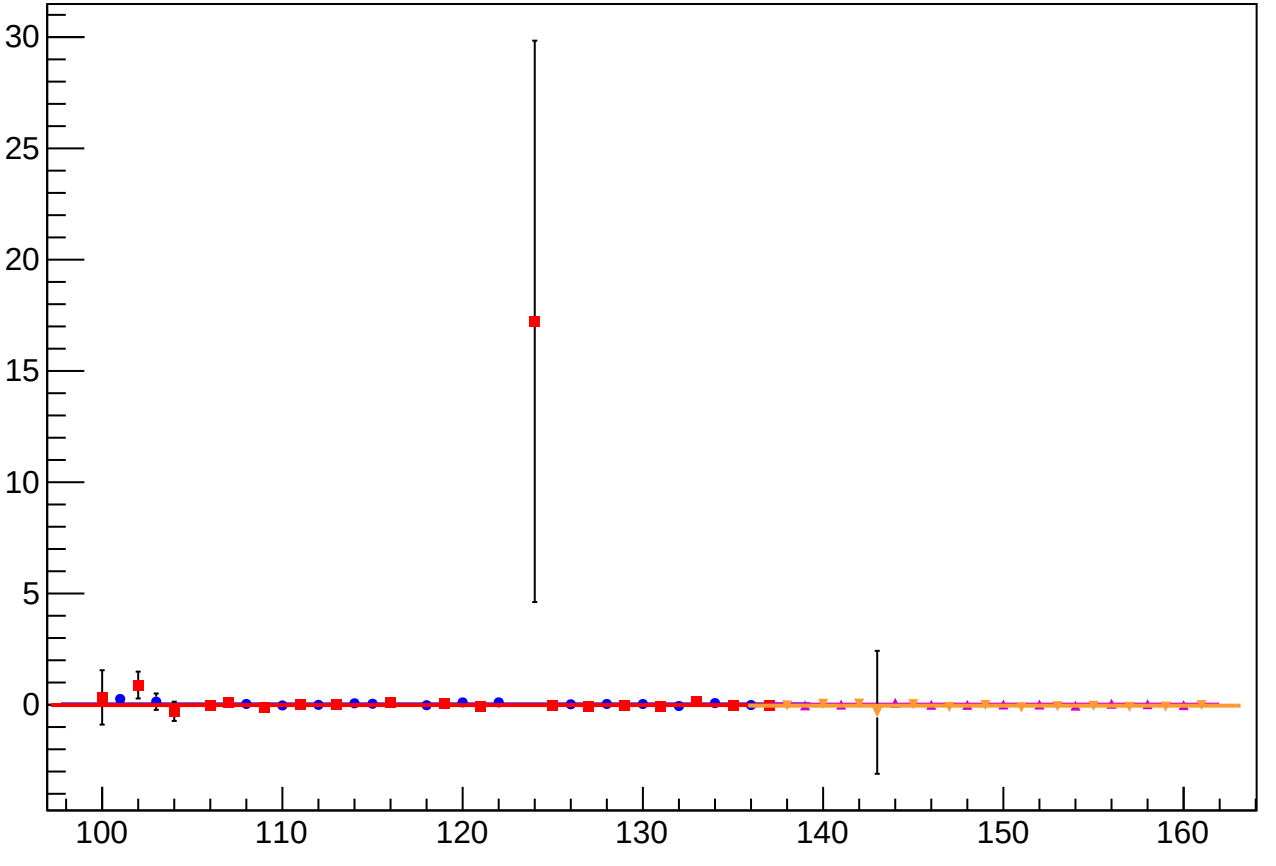
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.632+/-0.007 χ^2/NDF:5515210.9/31

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

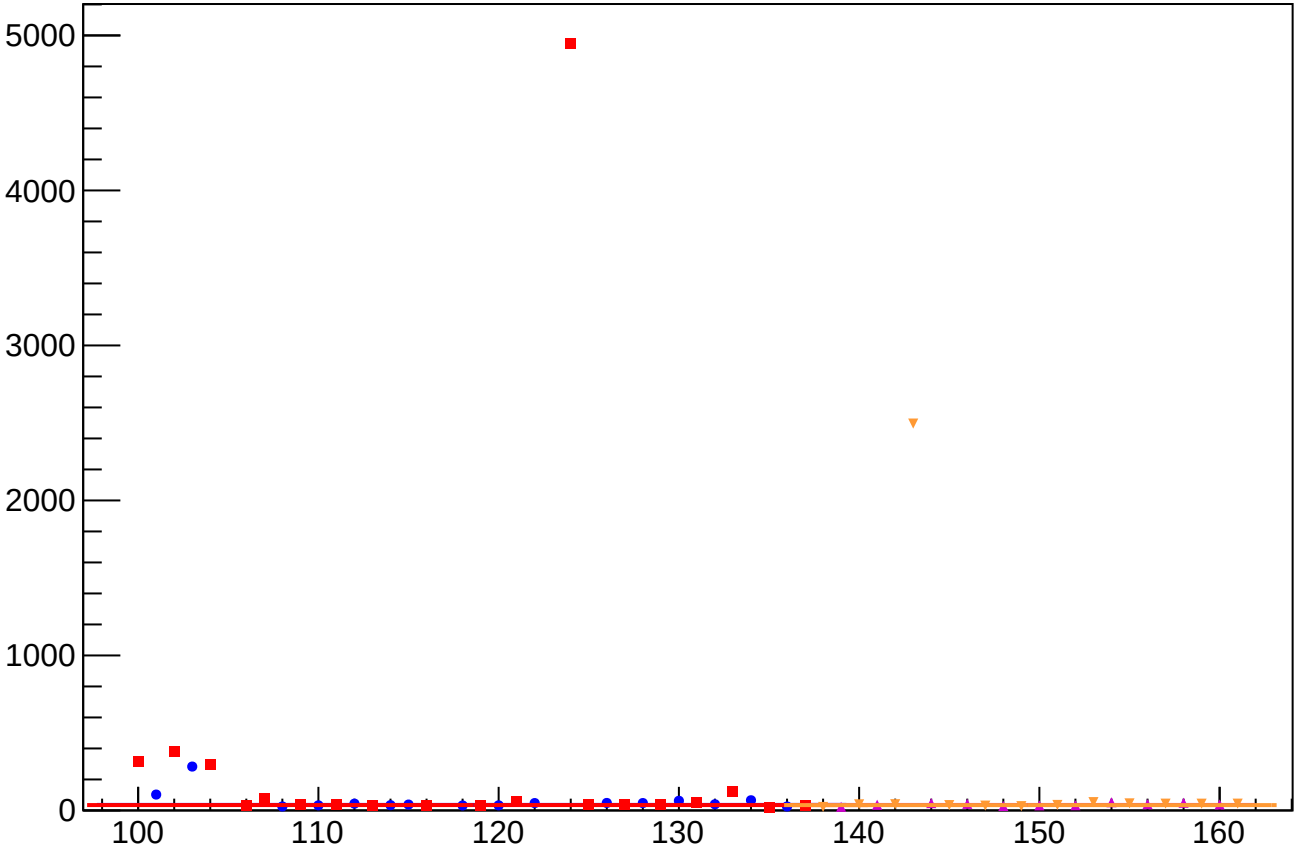
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2600715.8/12

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

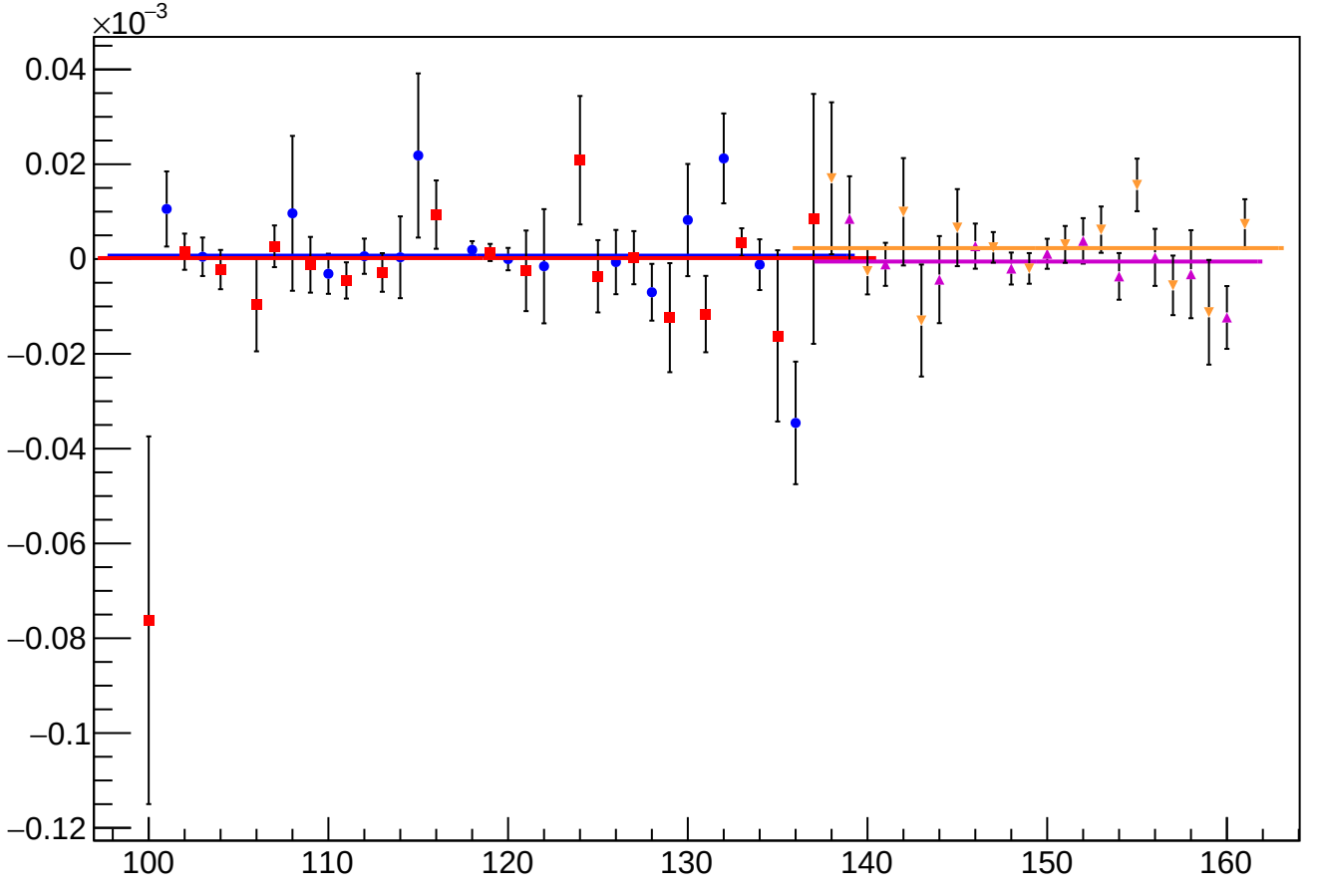
Left: 34.986+/-0.006 χ^2/NDF: 3529119.6/23

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.578+/-0.007 χ^2/NDF:3187867.4/26

Out: 34.632+/-0.007 χ^2/NDF:5515210.9/31

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/10

Left: 0.000+/-0.000 χ^2/NDF: 24.9/23

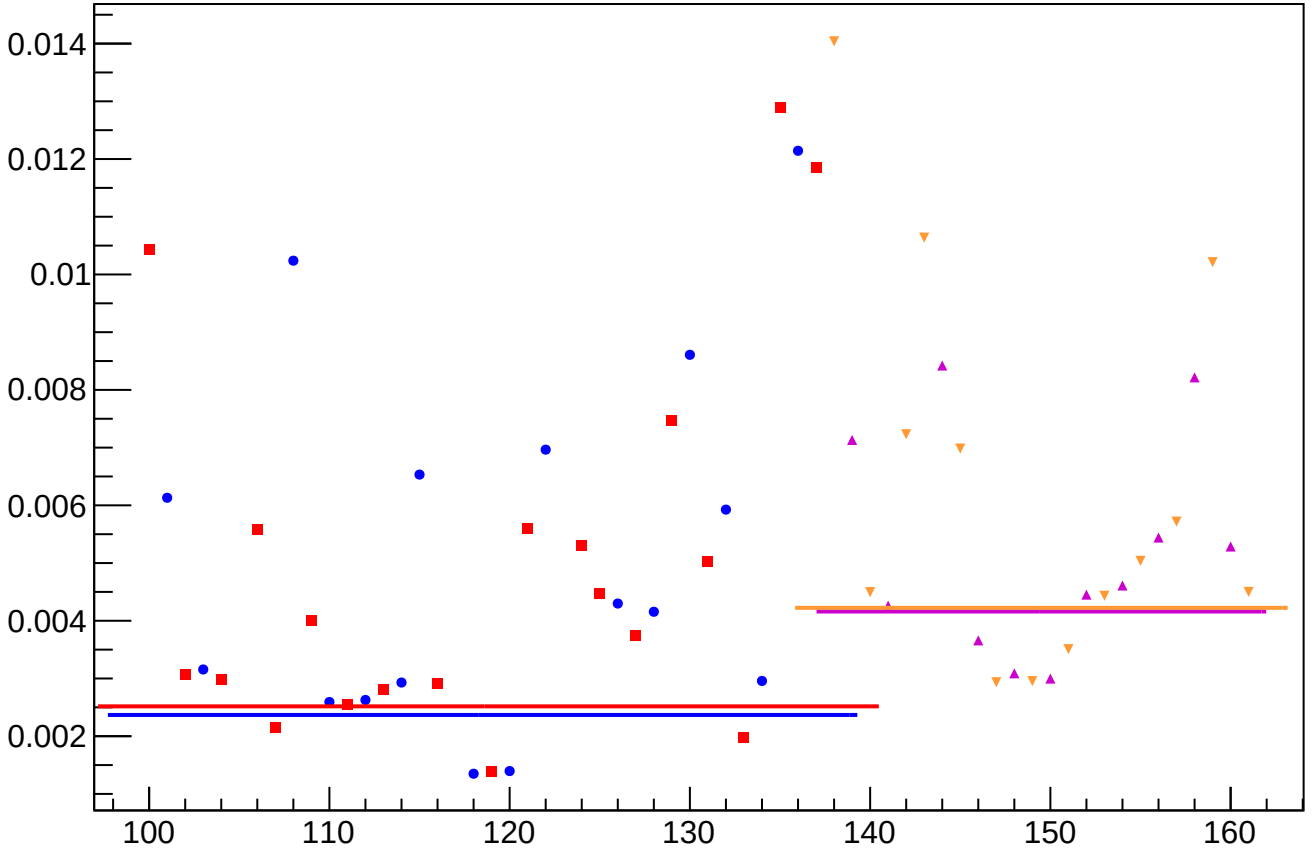
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: 0.000+/-0.000 χ^2/NDF:35.9/31

All: 0.000+/-0.000 χ^2/NDF: 62.4/58

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: 0.004+/-0.000 χ^2/NDF:3166235.6/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1697642.3/10

Left: 0.004+/-0.000 χ^2/NDF: 4865769.1/23

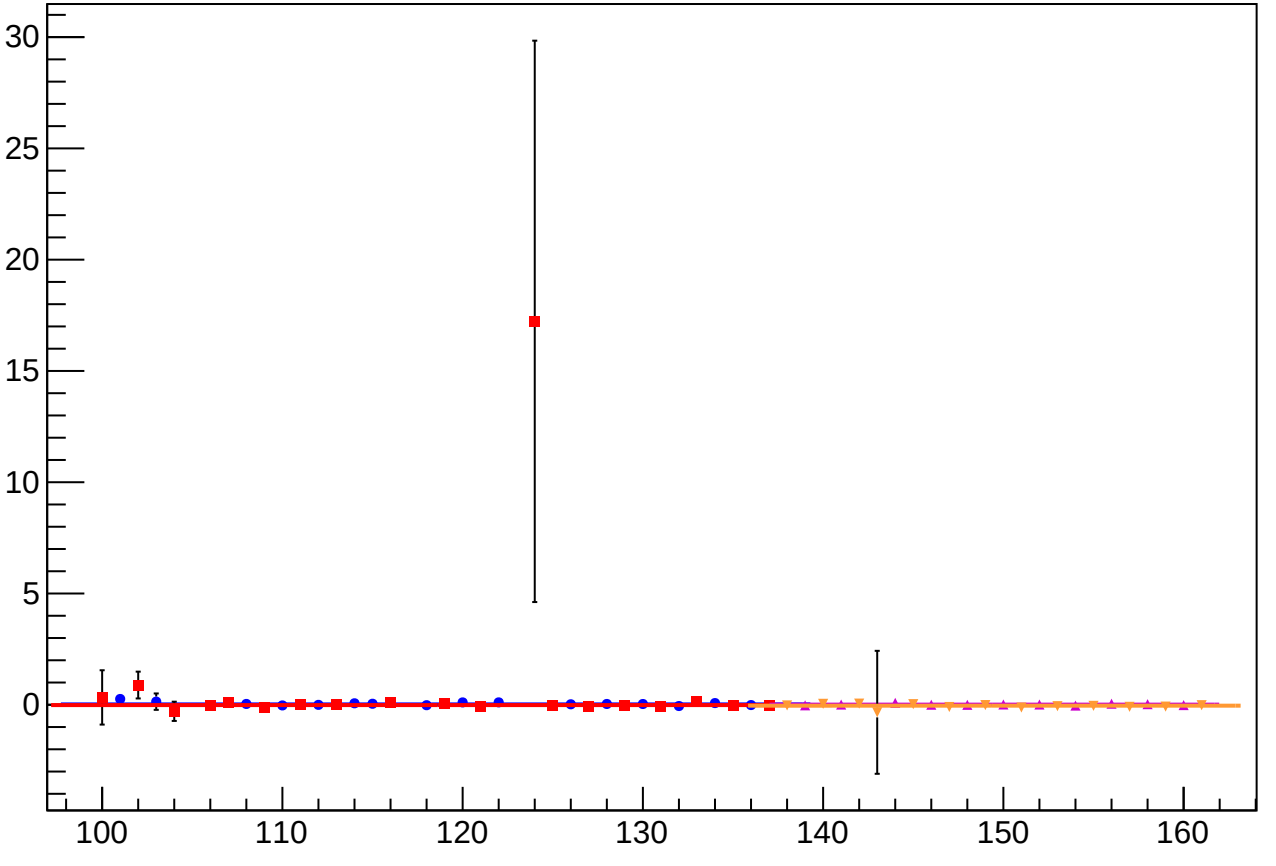
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8286489.8/26

Out: 0.003+/-0.000 χ^2/NDF:8369786.6/31

All: 0.003+/-0.000 χ^2/NDF: 16672382.7/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

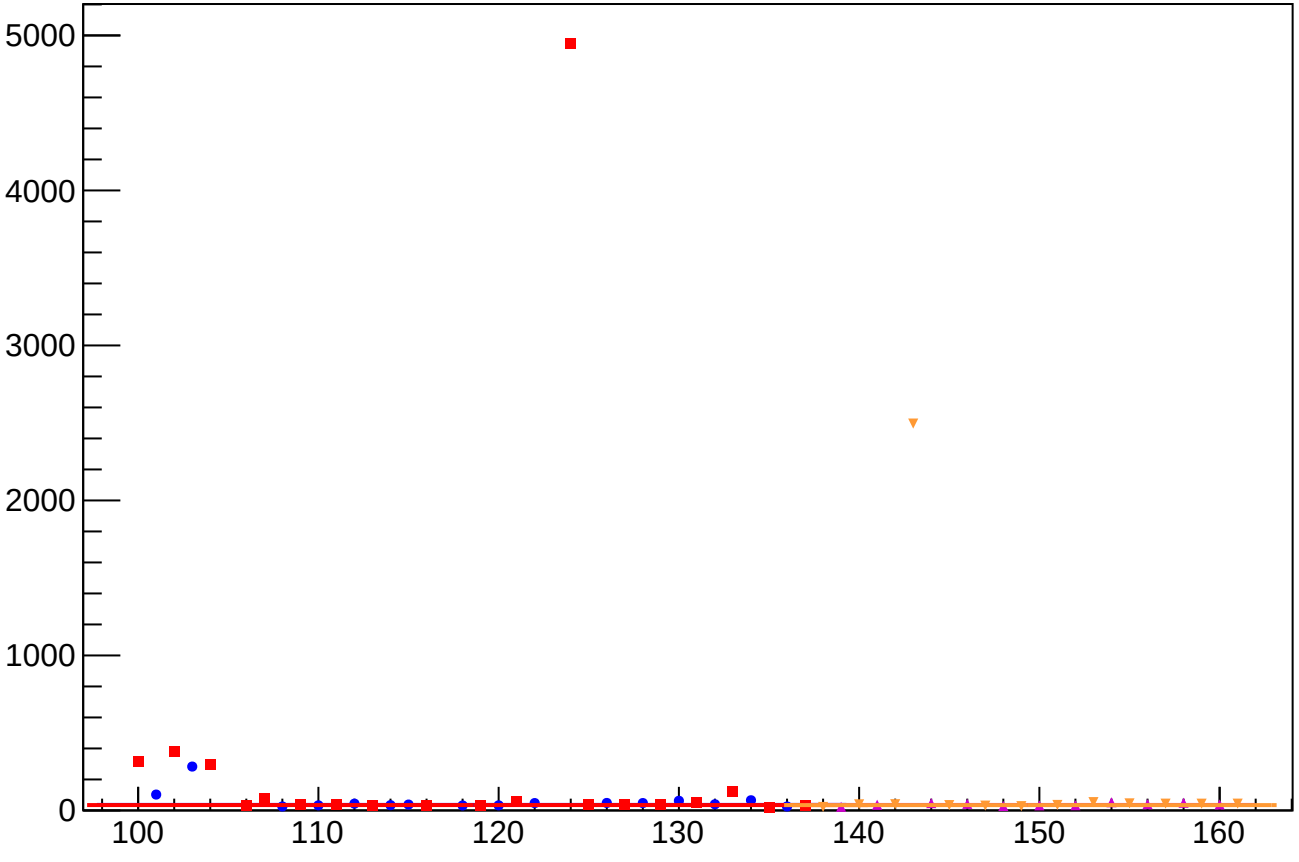
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2601000.5/12

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

Left: 34.985+/-0.006 χ^2/NDF: 3529984.4/23

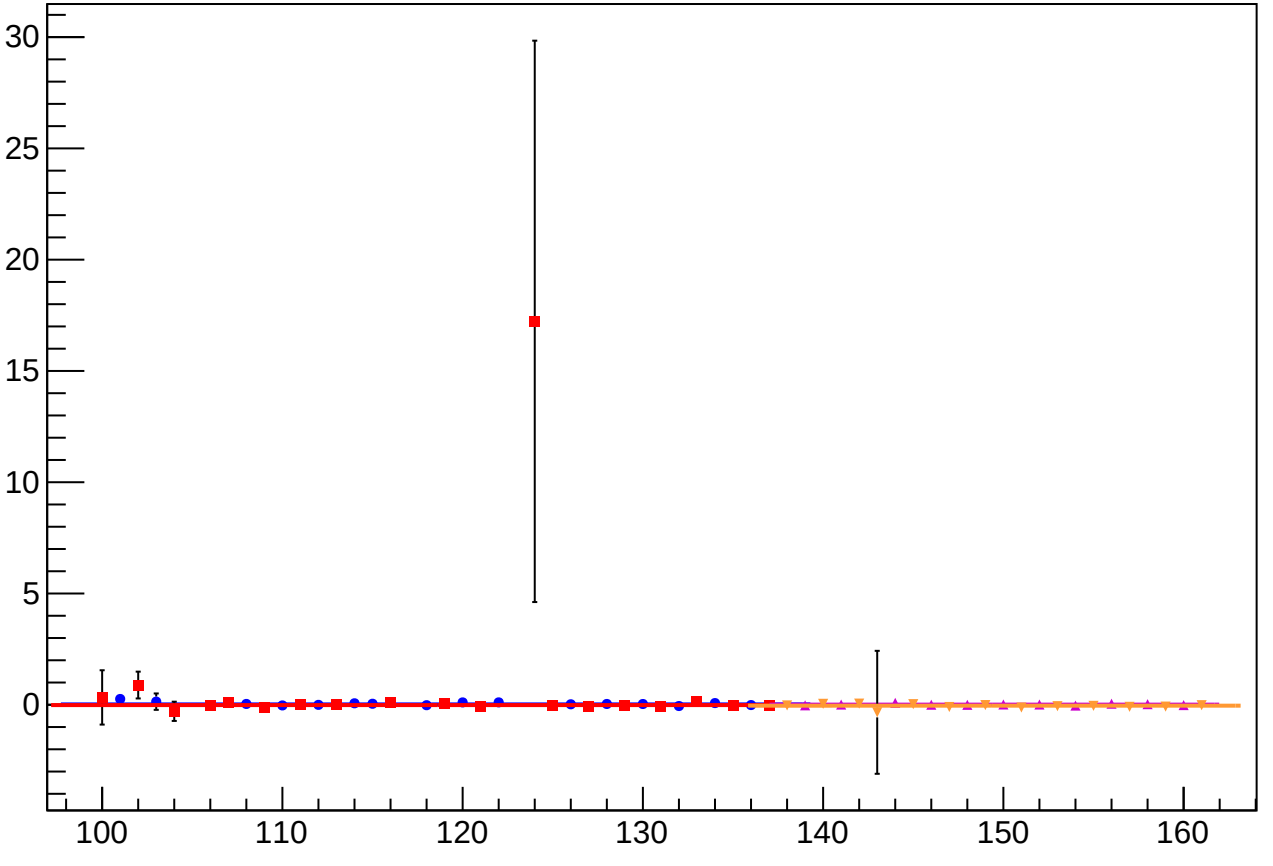
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.632+/-0.007 χ^2/NDF:5515323.7/31

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

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: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.007+/-0.013 χ^2/NDF:5.2/10

Left: -0.017+/-0.009 χ^2/NDF: 29.8/23

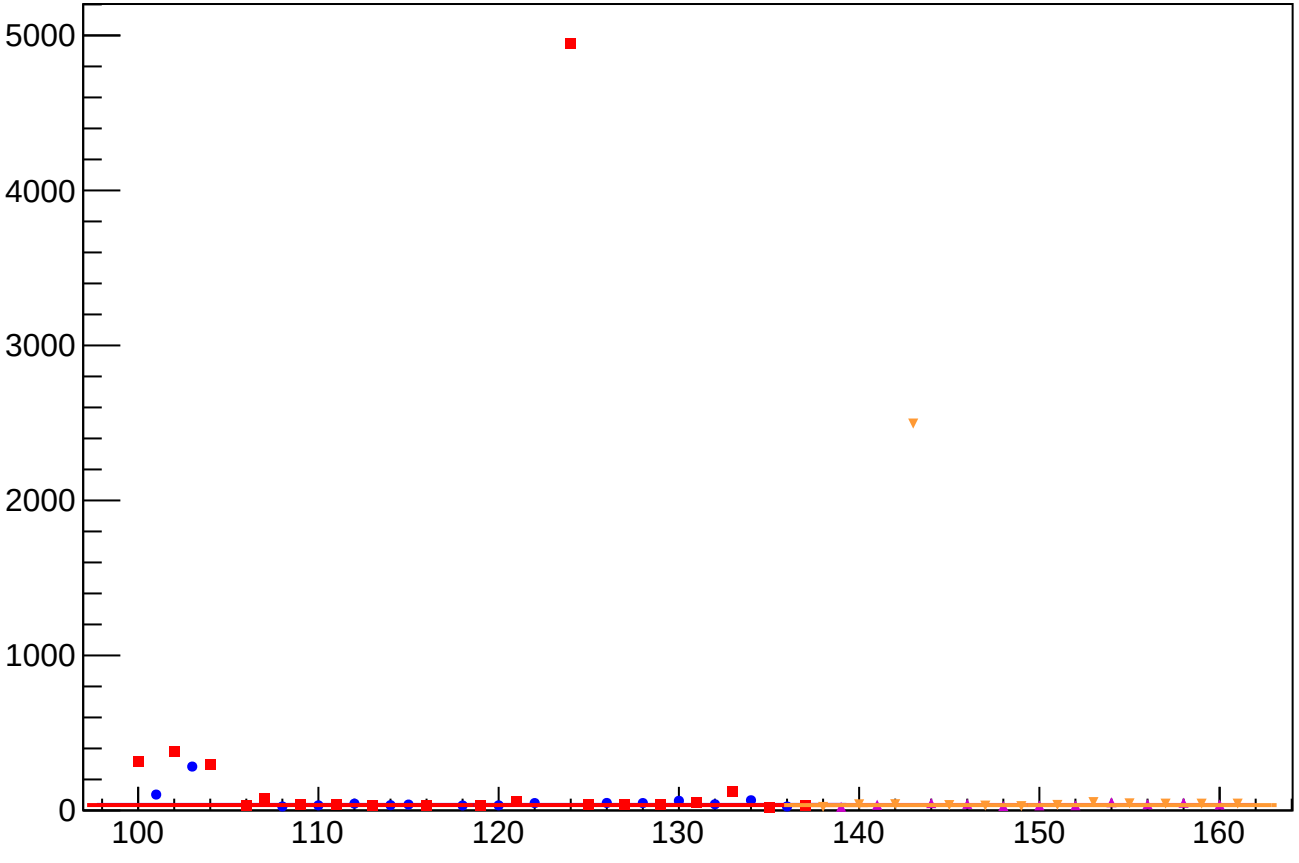
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.010 χ^2/NDF:17.0/26

Out: -0.030+/-0.010 χ^2/NDF:35.3/31

All: -0.010+/-0.007 χ^2/NDF: 61.0/58

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: 34.531+/-0.009 χ^2/NDF:2601000.5/12

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

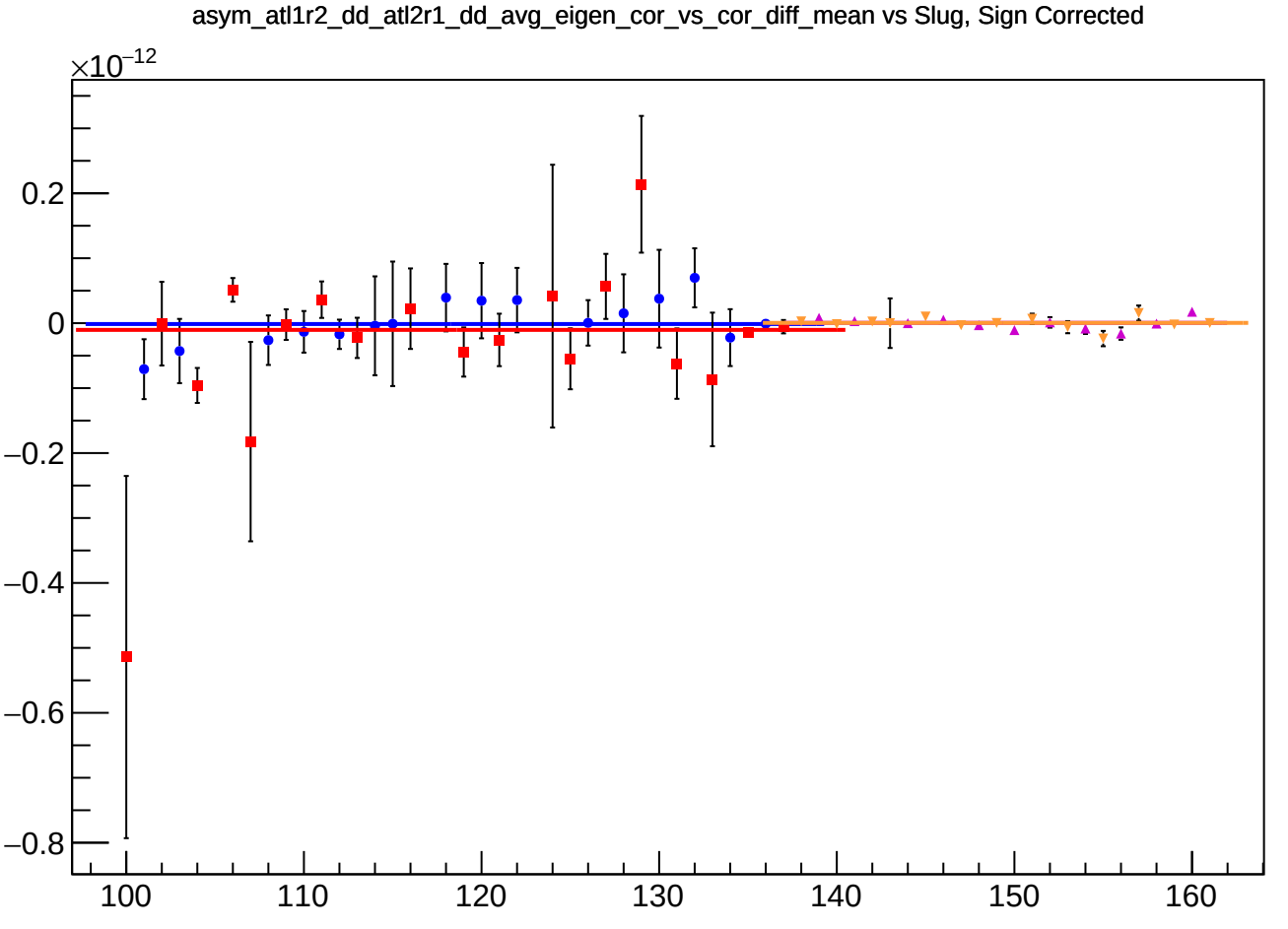
Left: 34.985+/-0.006 χ^2/NDF: 3529984.4/23

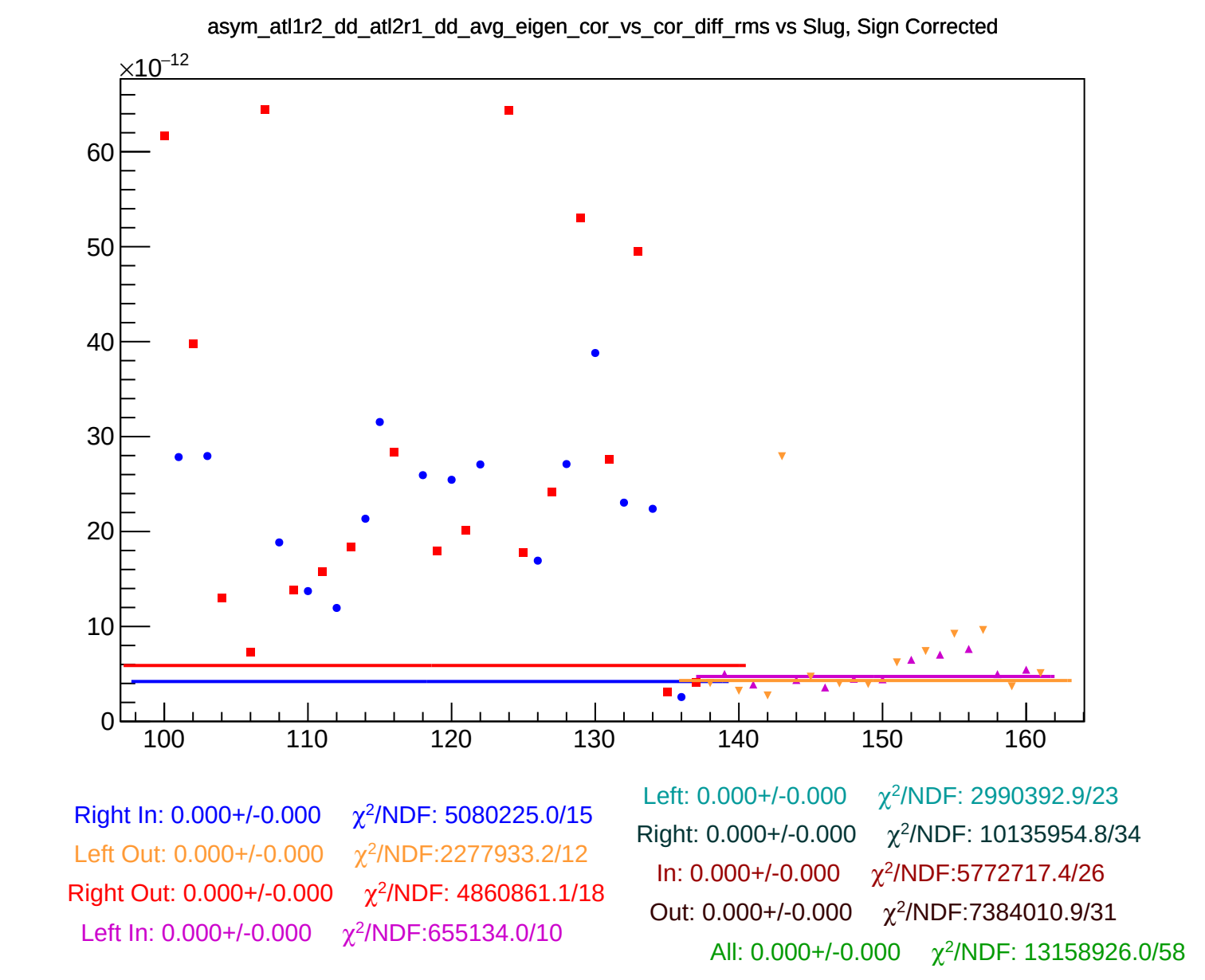
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

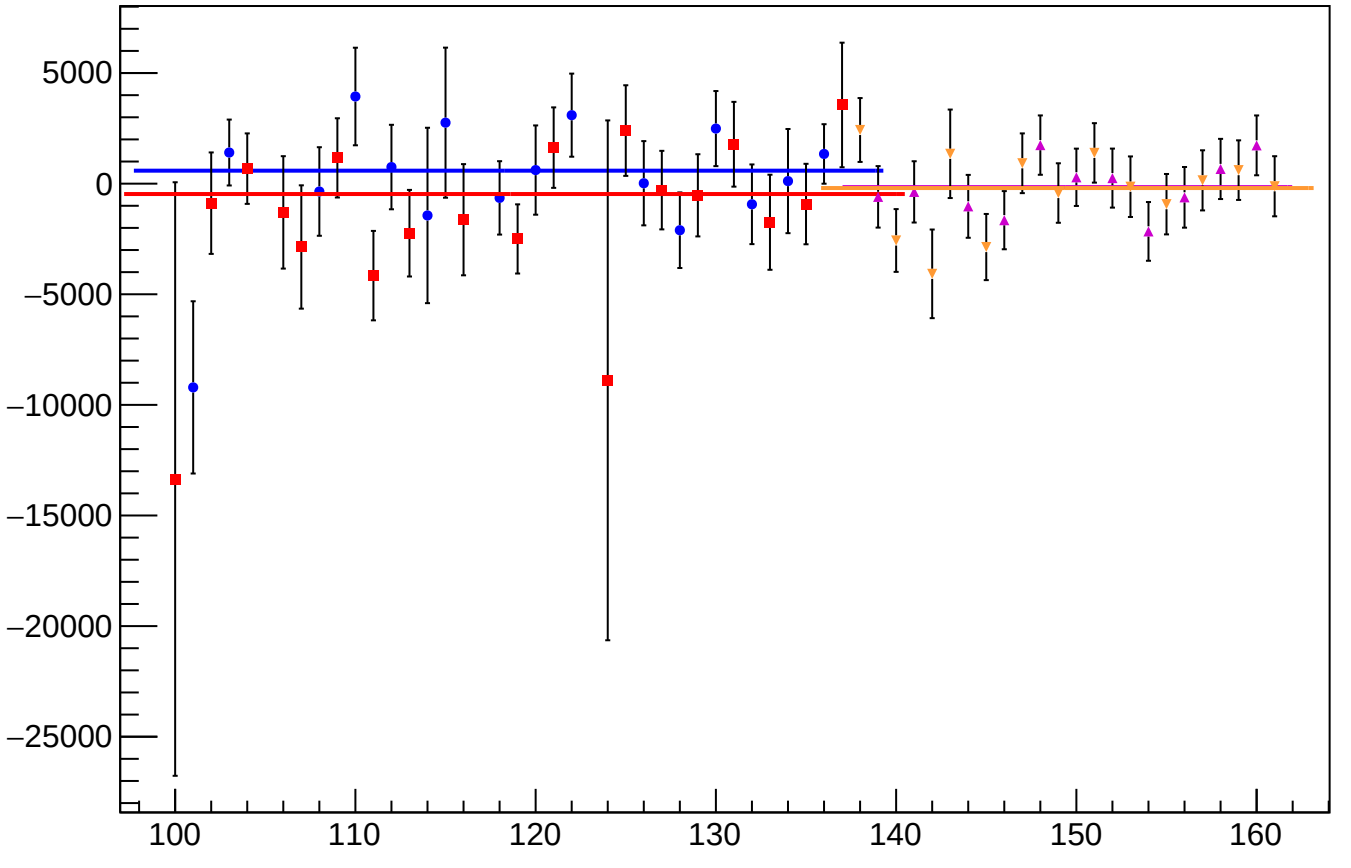
In: 35.578+/-0.007 χ^2/NDF:3188190.3/26

Out: 34.632+/-0.007 χ^2/NDF:5515323.7/31

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.8/10
Left: 0.000+/-0.000 χ²/NDF: 27.4/23
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:25.7/26
Out: -0.000+/-0.000 χ²/NDF:56.1/31
All: -0.000+/-0.000 χ²/NDF: 82.0/58


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2277933.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:655134.0/10
Left: 0.000+/-0.000 χ²/NDF: 2990392.9/23
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5772717.4/26
Out: 0.000+/-0.000 χ²/NDF:7384010.9/31
All: 0.000+/-0.000 χ²/NDF: 13158926.0/58



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.571+/-398.942 χ^2/NDF:16.5/12

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -155.093+/-407.833 χ^2/NDF:8.7/10

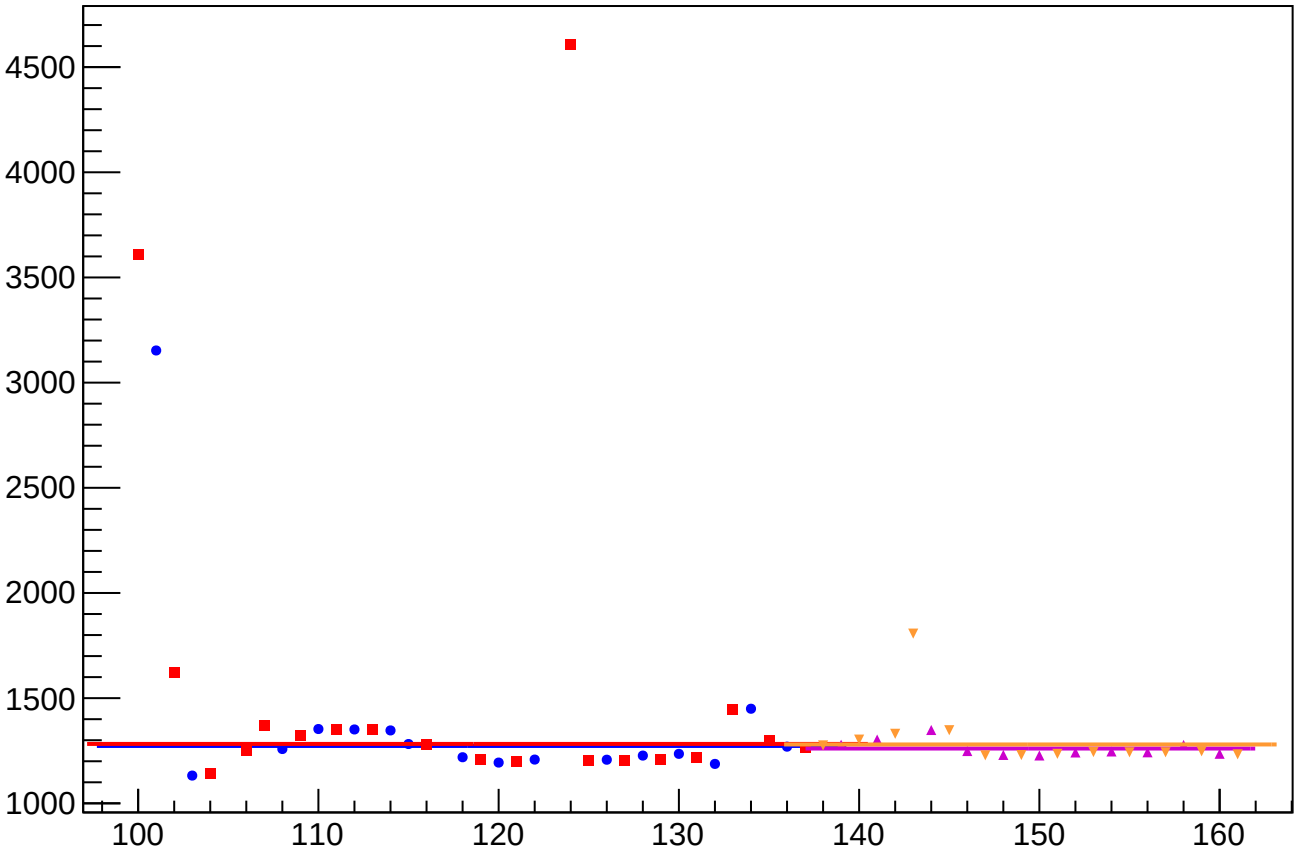
Left: -177.311+/-285.186 χ^2/NDF: 25.2/23

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 154.176+/-311.455 χ^2/NDF:27.2/26

Out: -308.921+/-306.942 χ^2/NDF:33.5/31

All: -80.752+/-218.619 χ^2/NDF: 61.8/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

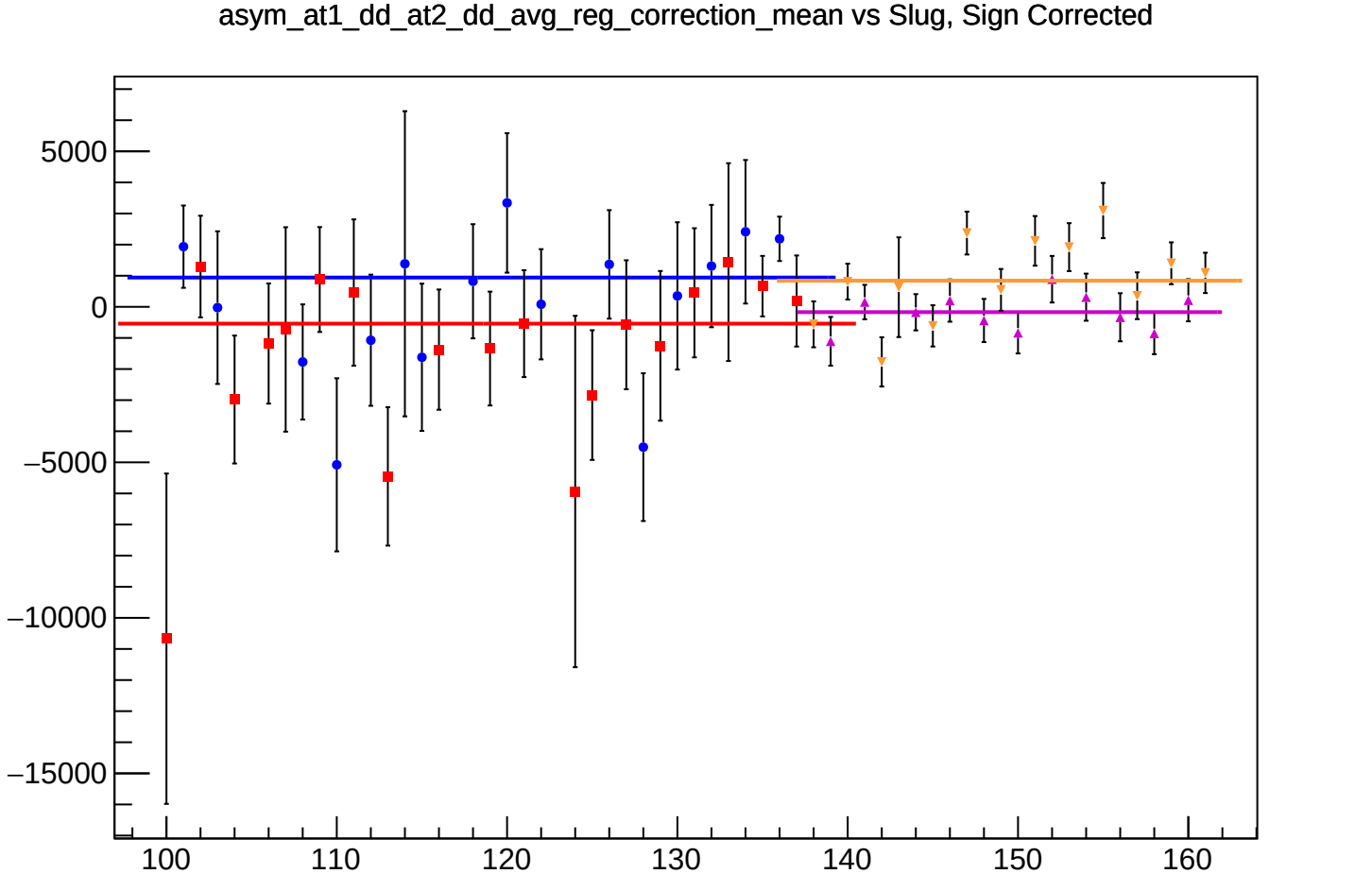
Left: 1270.391+/-0.202 χ^2/NDF: 177331.2/23

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1265.619+/-0.220 χ^2/NDF:534415.8/26

Out: 1280.889+/-0.217 χ^2/NDF:482775.2/31

All: 1273.365+/-0.155 χ^2/NDF: 1019629.7/58



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 841.226+/-202.894 χ^2/NDF:36.7/12

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -170.401+/-204.394 χ^2/NDF:7.0/10

Left: 339.137+/-143.995 χ^2/NDF: 56.0/23

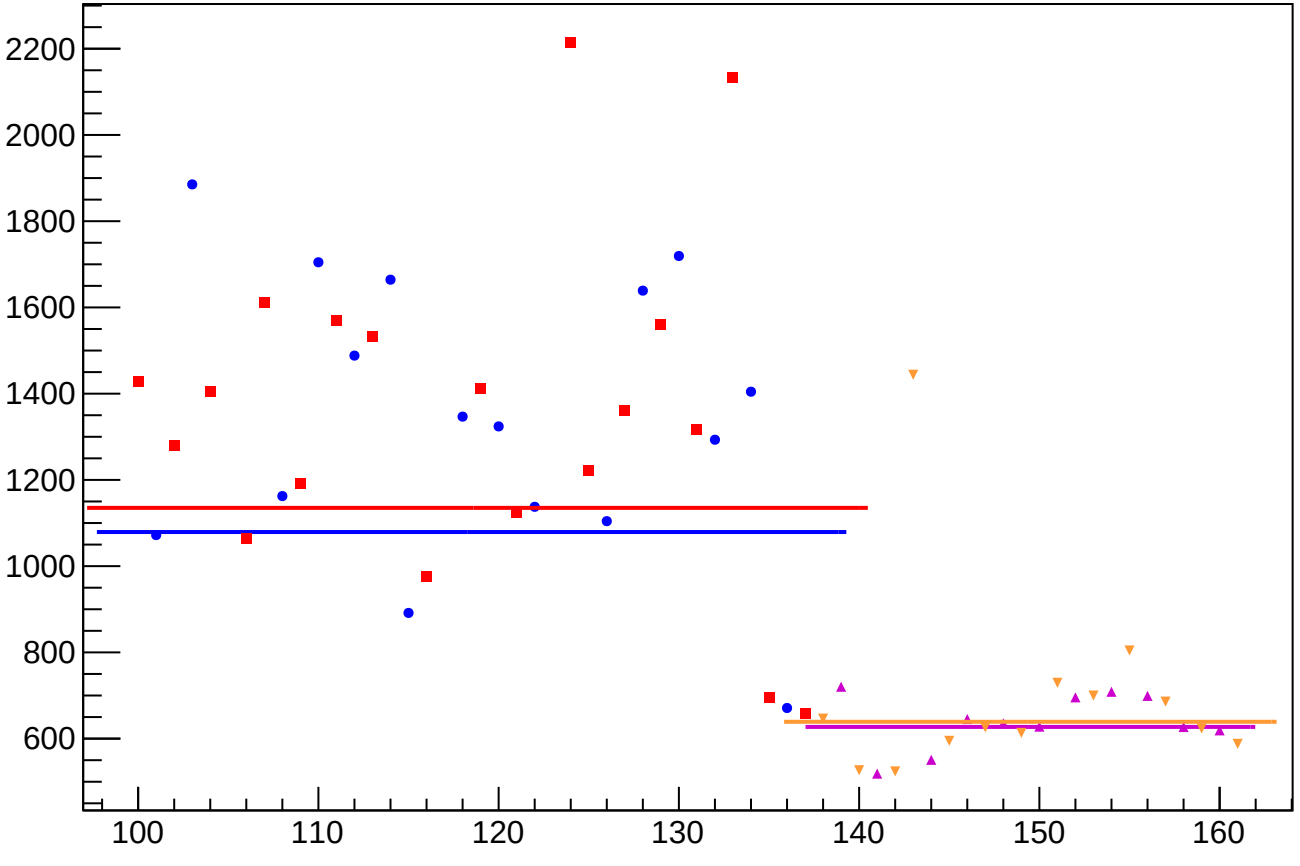
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 37.845+/-184.267 χ^2/NDF:32.5/26

Out: 598.833+/-184.242 χ^2/NDF:62.0/31

All: 318.377+/-130.288 χ^2/NDF: 99.1/58

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: 639.086+/-0.143 χ^2/NDF:763491.9/12

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

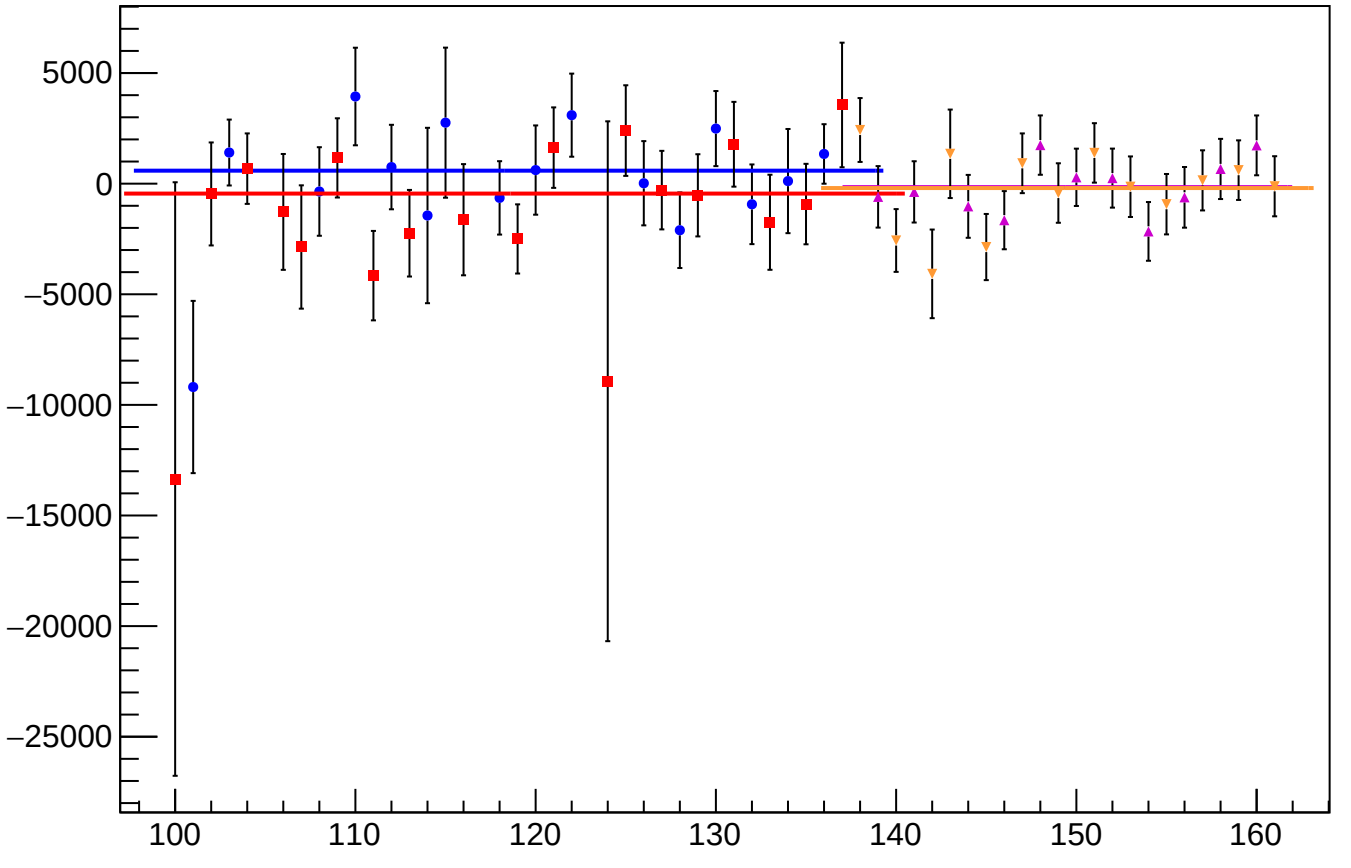
Left: 633.162+/-0.102 χ^2/NDF: 965237.8/23

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 711.779+/-0.130 χ^2/NDF:3511679.5/26

Out: 726.104+/-0.130 χ^2/NDF:4153792.5/31

All: 718.943+/-0.092 χ^2/NDF: 7671515.6/58



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -155.064+/-407.833 χ^2/NDF:8.7/10

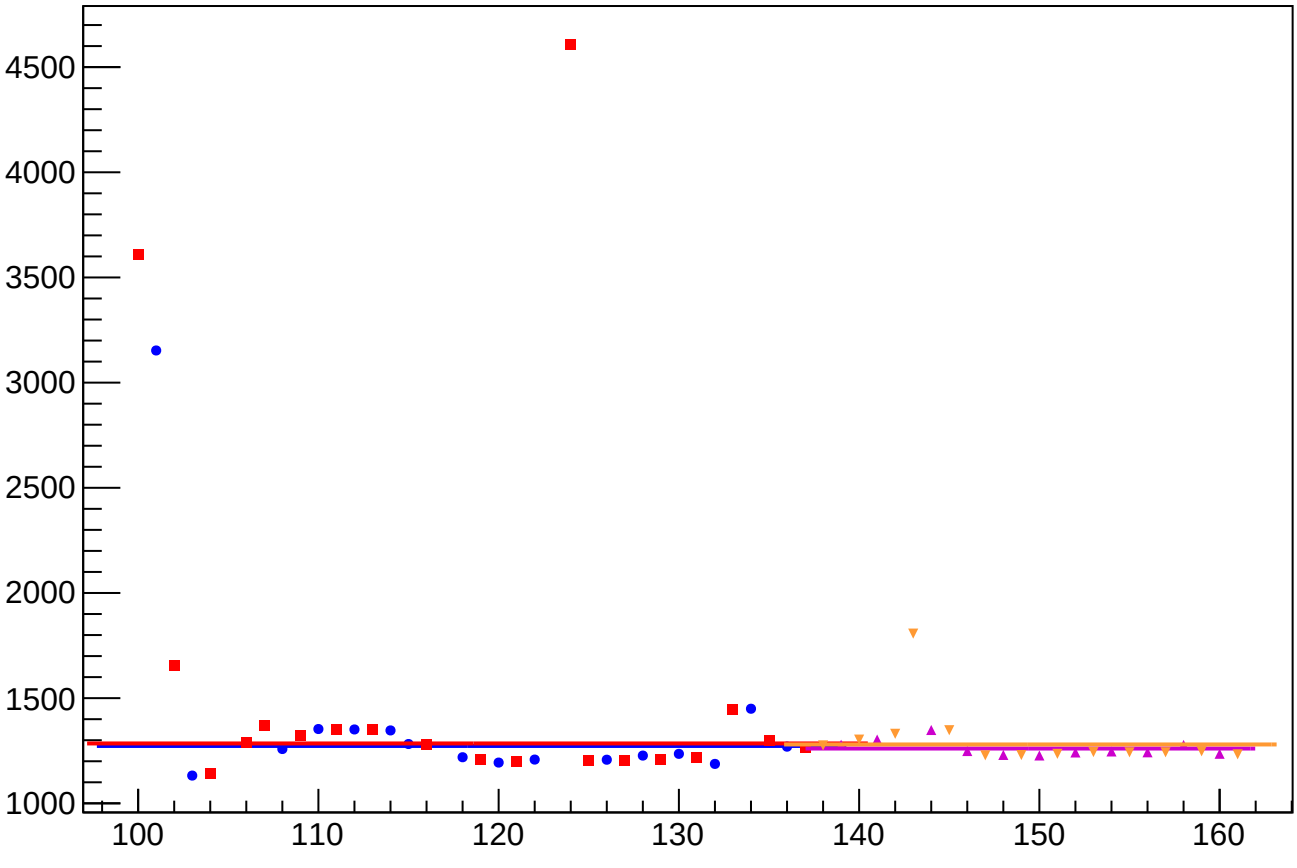
Left: -177.356+/-285.186 χ^2/NDF: 25.2/23

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -300.379+/-307.155 χ^2/NDF:33.4/31

All: -76.187+/-218.696 χ^2/NDF: 61.6/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

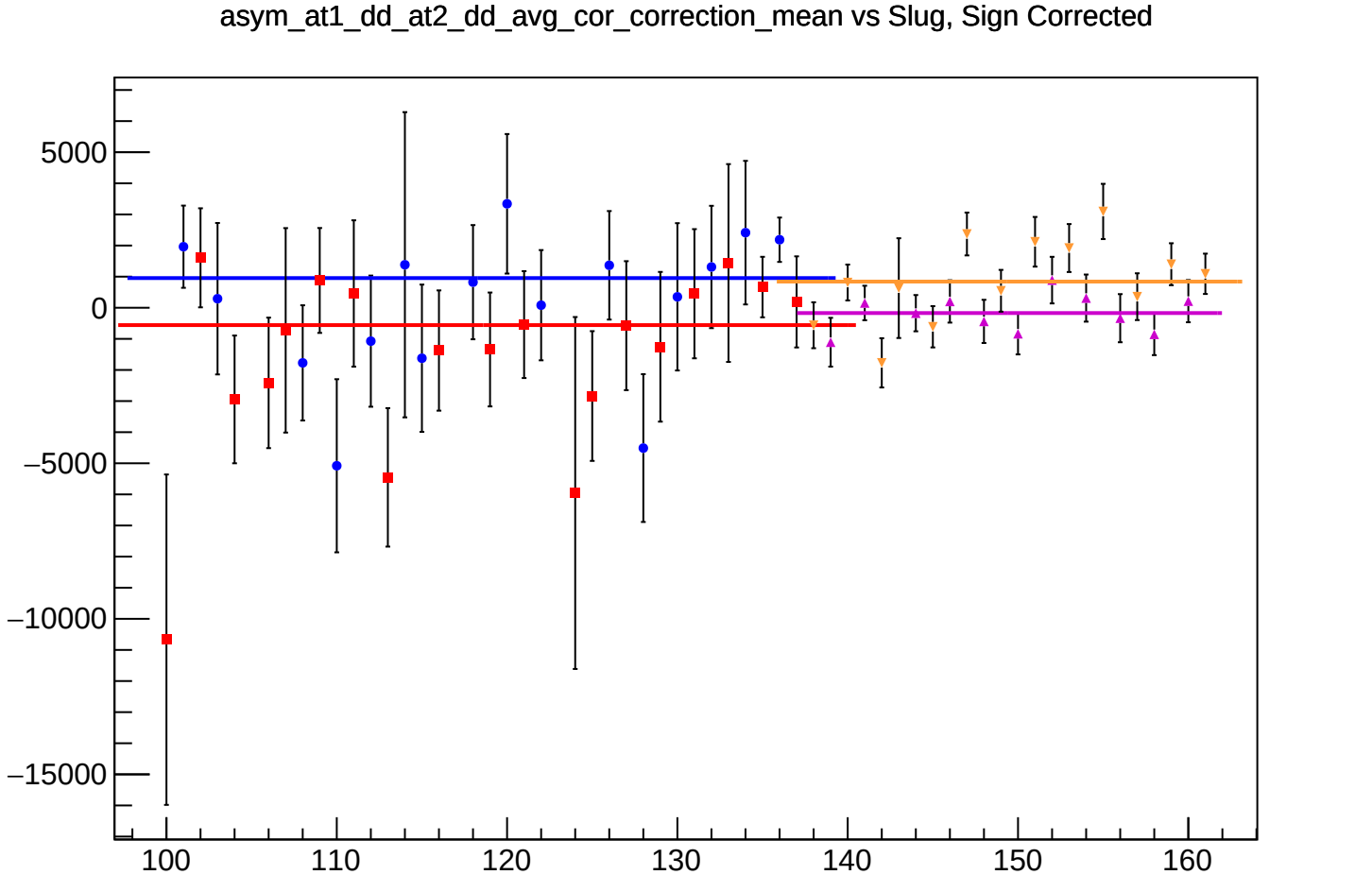
Left: 1270.392+/-0.202 χ^2/NDF: 177331.2/23

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1281.819+/-0.217 χ^2/NDF:489516.7/31

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 339.127+/-143.995 χ^2/NDF: 56.0/23

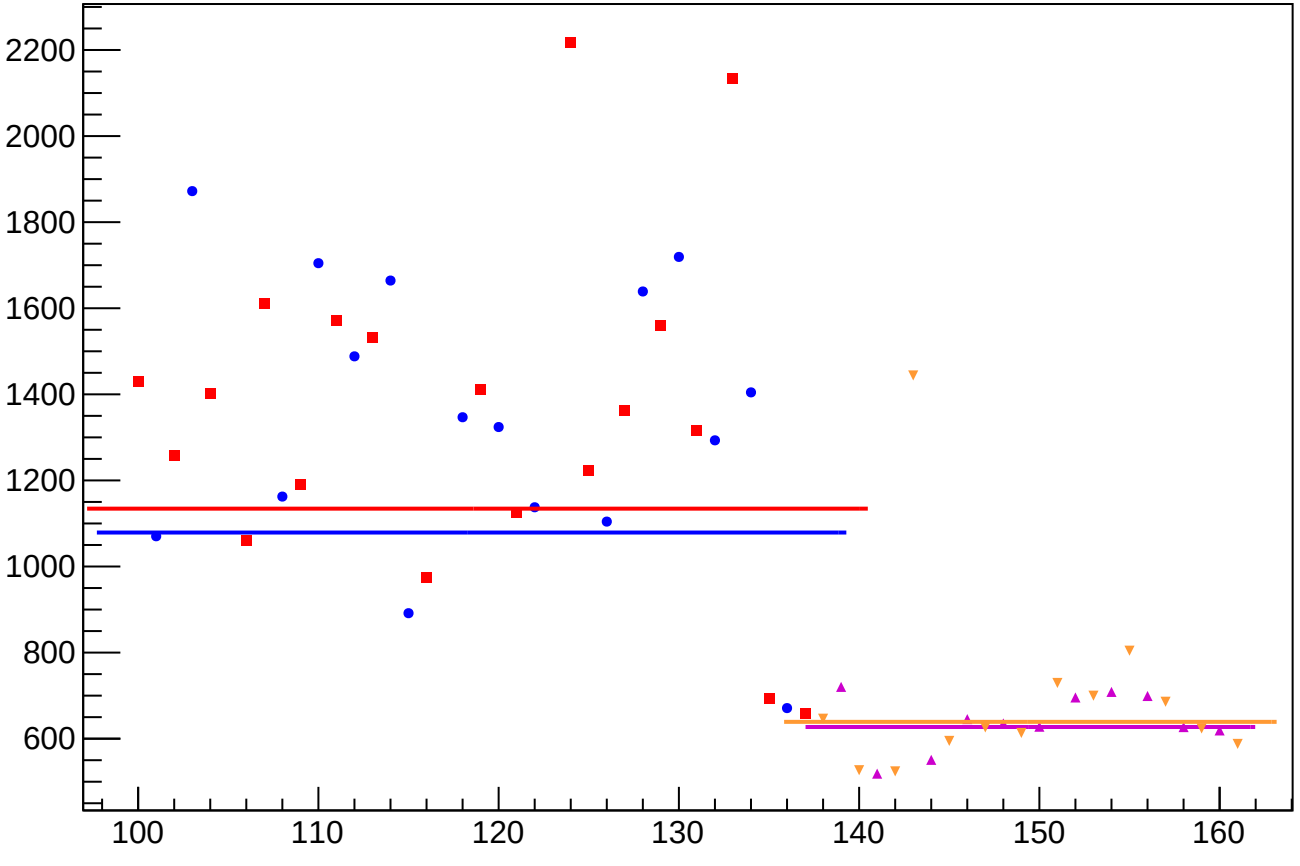
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 596.543+/-184.305 χ^2/NDF:63.4/31

All: 318.356+/-130.305 χ^2/NDF: 100.5/58

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

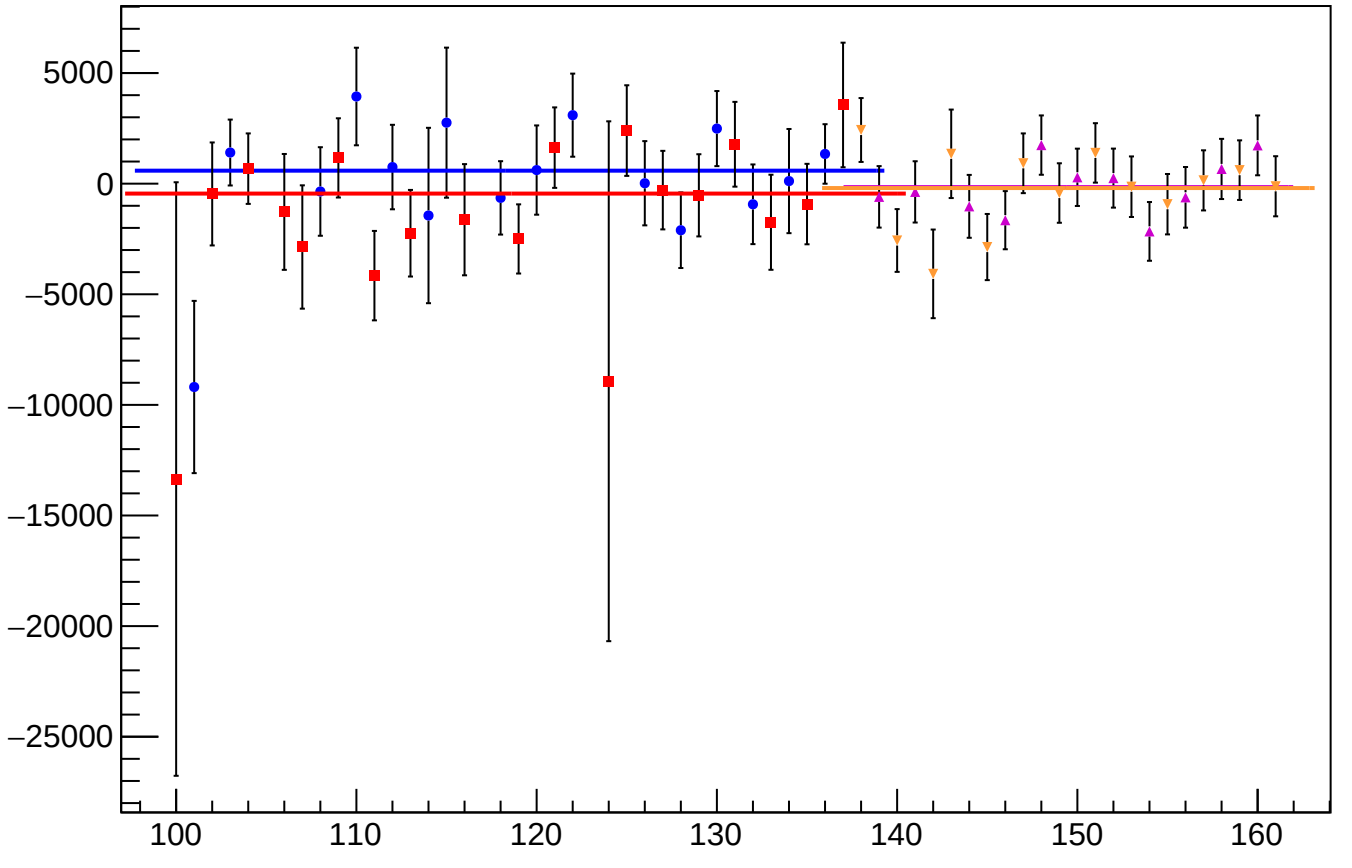
Left: 633.163+/-0.102 χ^2/NDF: 965181.7/23

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 725.702+/-0.130 χ^2/NDF:4136615.5/31

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -155.064+/-407.833 χ^2/NDF:8.7/10

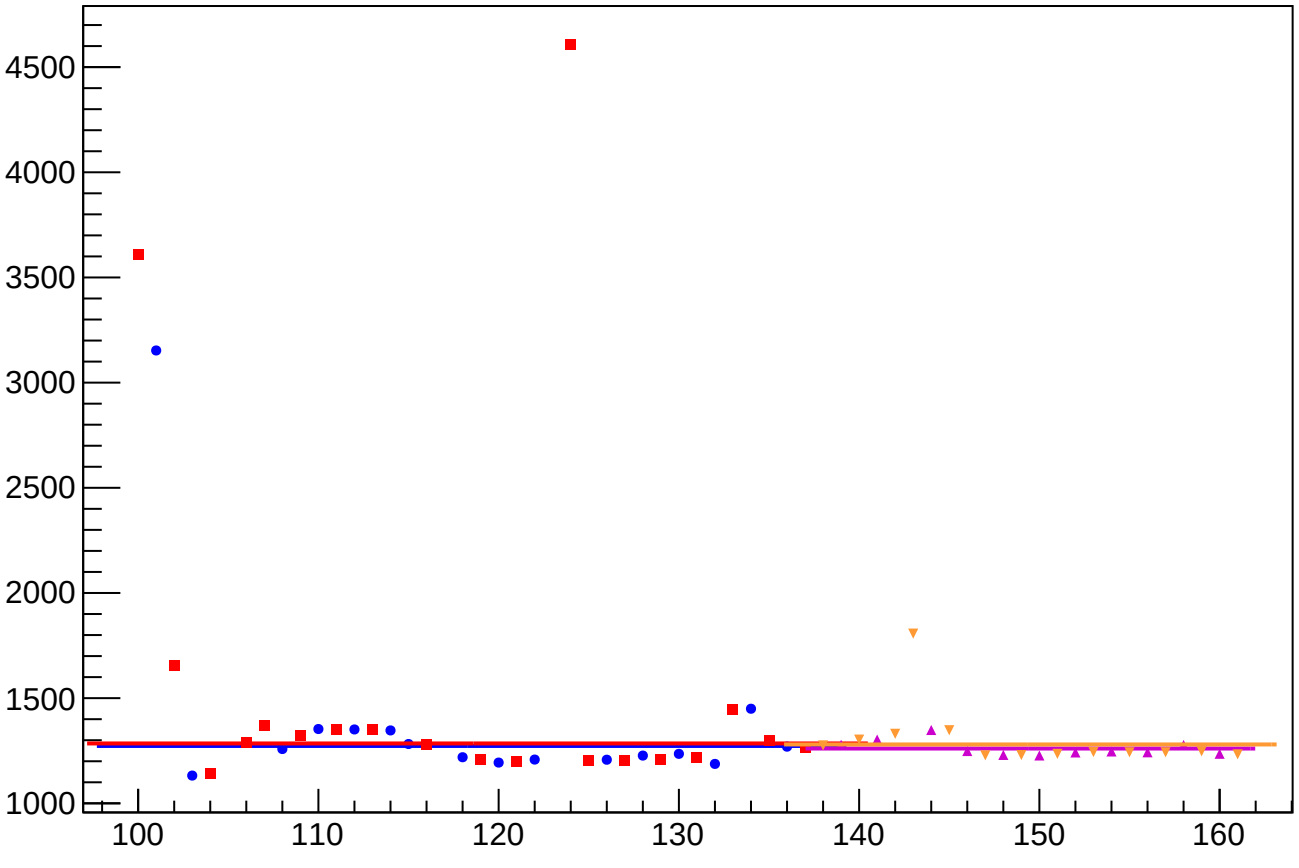
Left: -177.356+/-285.186 χ^2/NDF: 25.2/23

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 154.326+/-311.455 χ^2/NDF:27.1/26

Out: -300.379+/-307.155 χ^2/NDF:33.4/31

All: -76.187+/-218.696 χ^2/NDF: 61.6/58



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

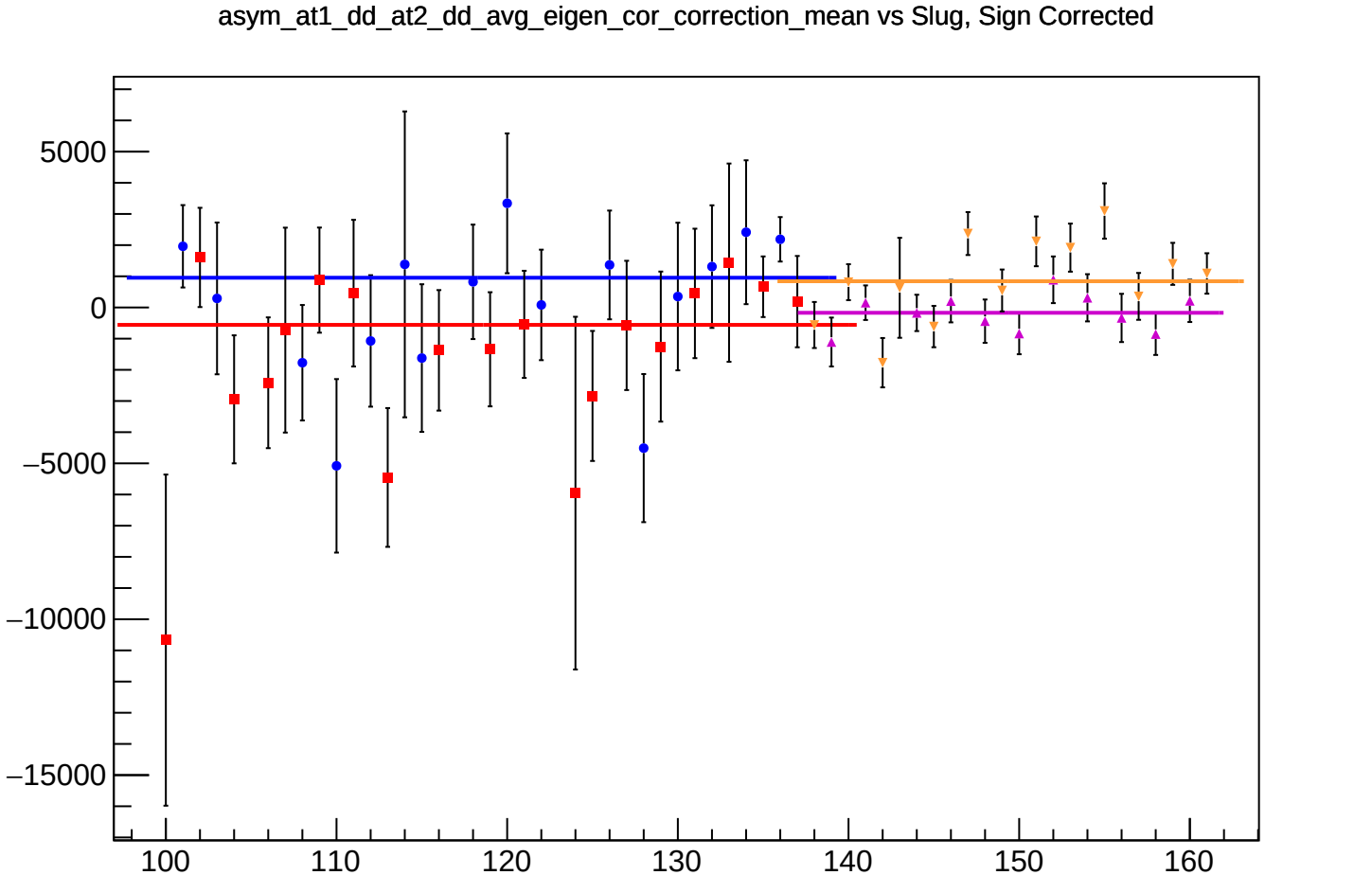
Left: 1270.392+/-0.202 χ^2/NDF: 177331.2/23

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1265.619+/-0.220 χ^2/NDF:534417.2/26

Out: 1281.819+/-0.217 χ^2/NDF:489516.7/31

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -170.370+/-204.393 χ^2/NDF:7.0/10

Left: 339.127+/-143.995 χ^2/NDF: 56.0/23

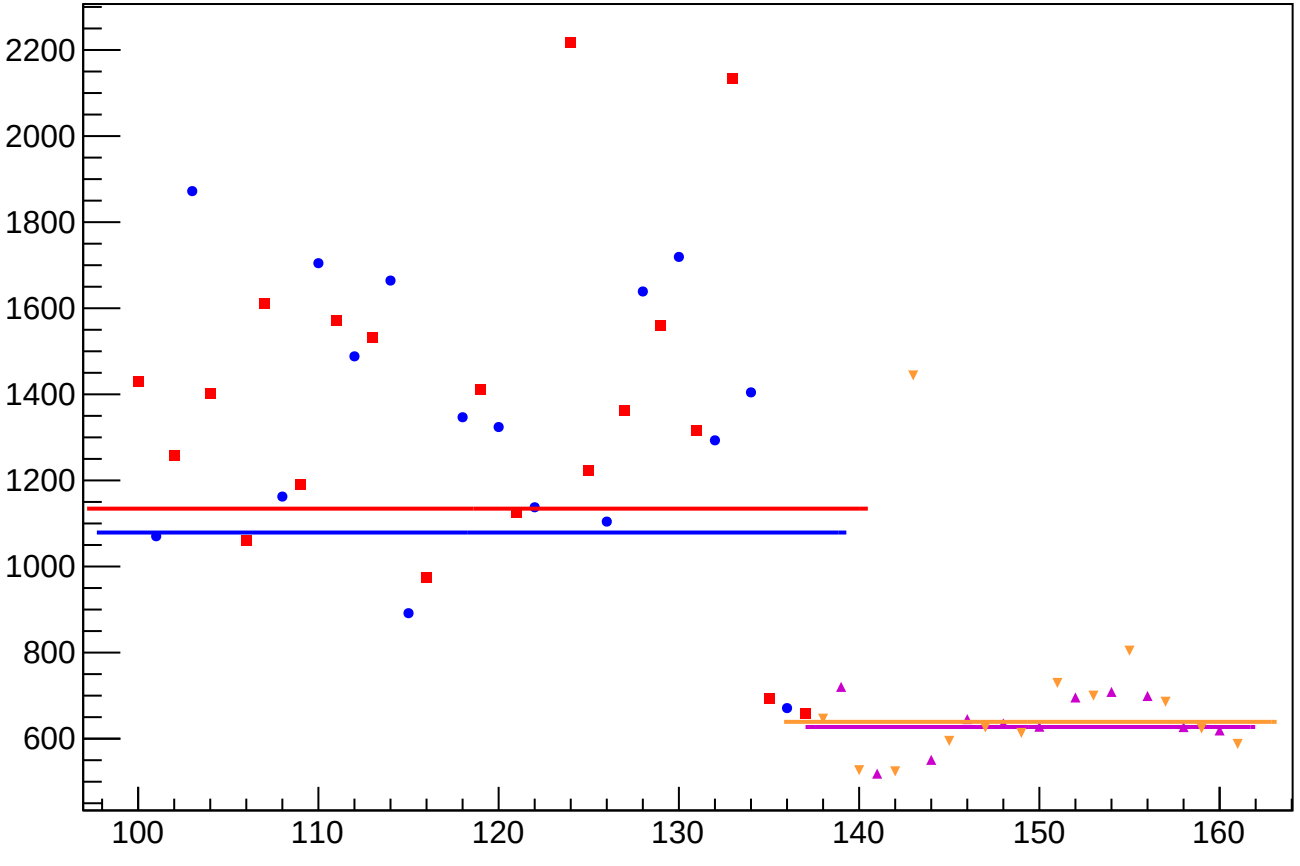
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 40.330+/-184.252 χ^2/NDF:32.6/26

Out: 596.543+/-184.305 χ^2/NDF:63.4/31

All: 318.356+/-130.305 χ^2/NDF: 100.5/58

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: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

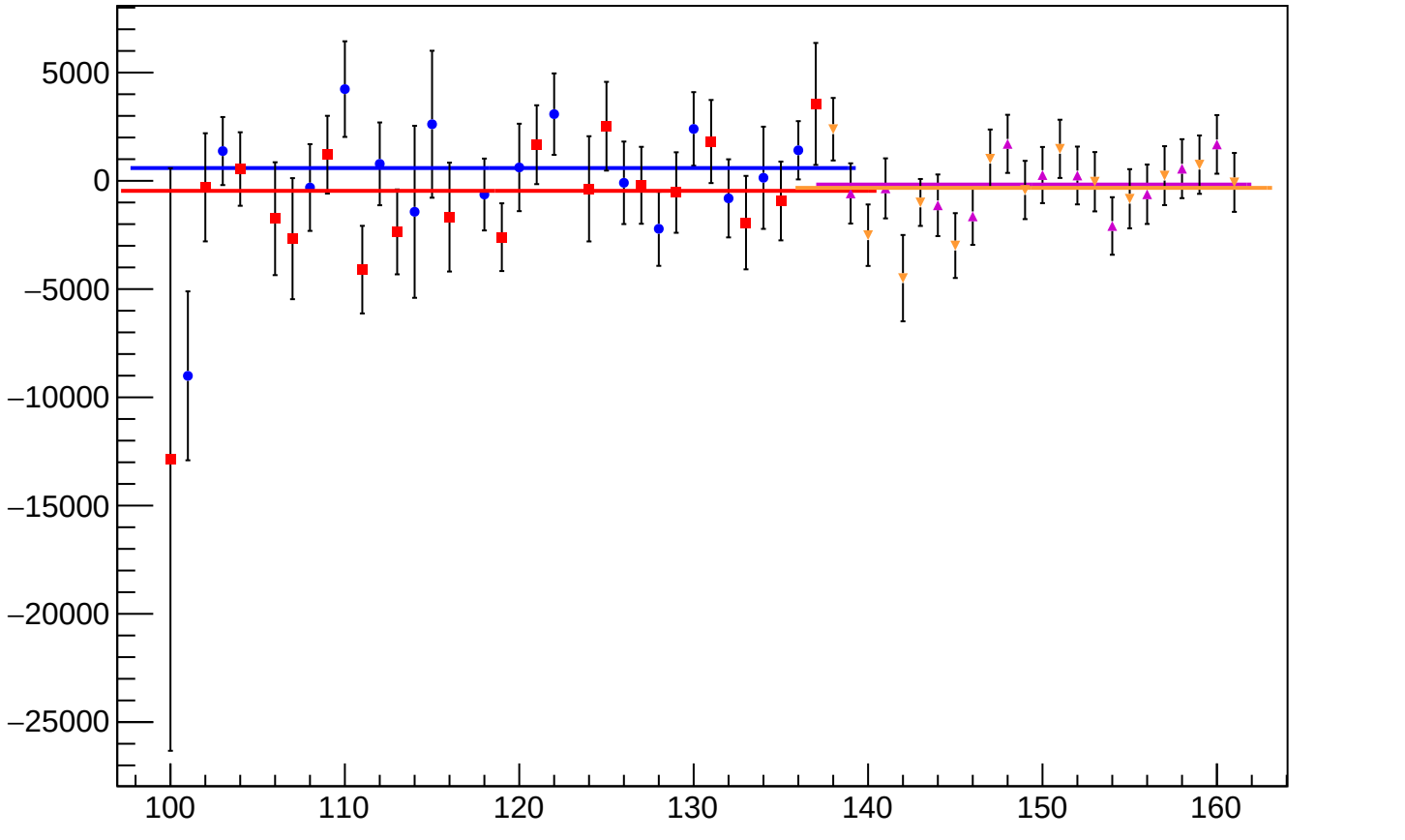
Left: 633.163+/-0.102 χ^2/NDF: 965181.7/23

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 711.798+/-0.130 χ^2/NDF:3507932.8/26

Out: 725.702+/-0.130 χ^2/NDF:4136615.5/31

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.689+/-381.343 χ^2/NDF:17.6/12

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -172.339+/-408.184 χ^2/NDF:8.3/10

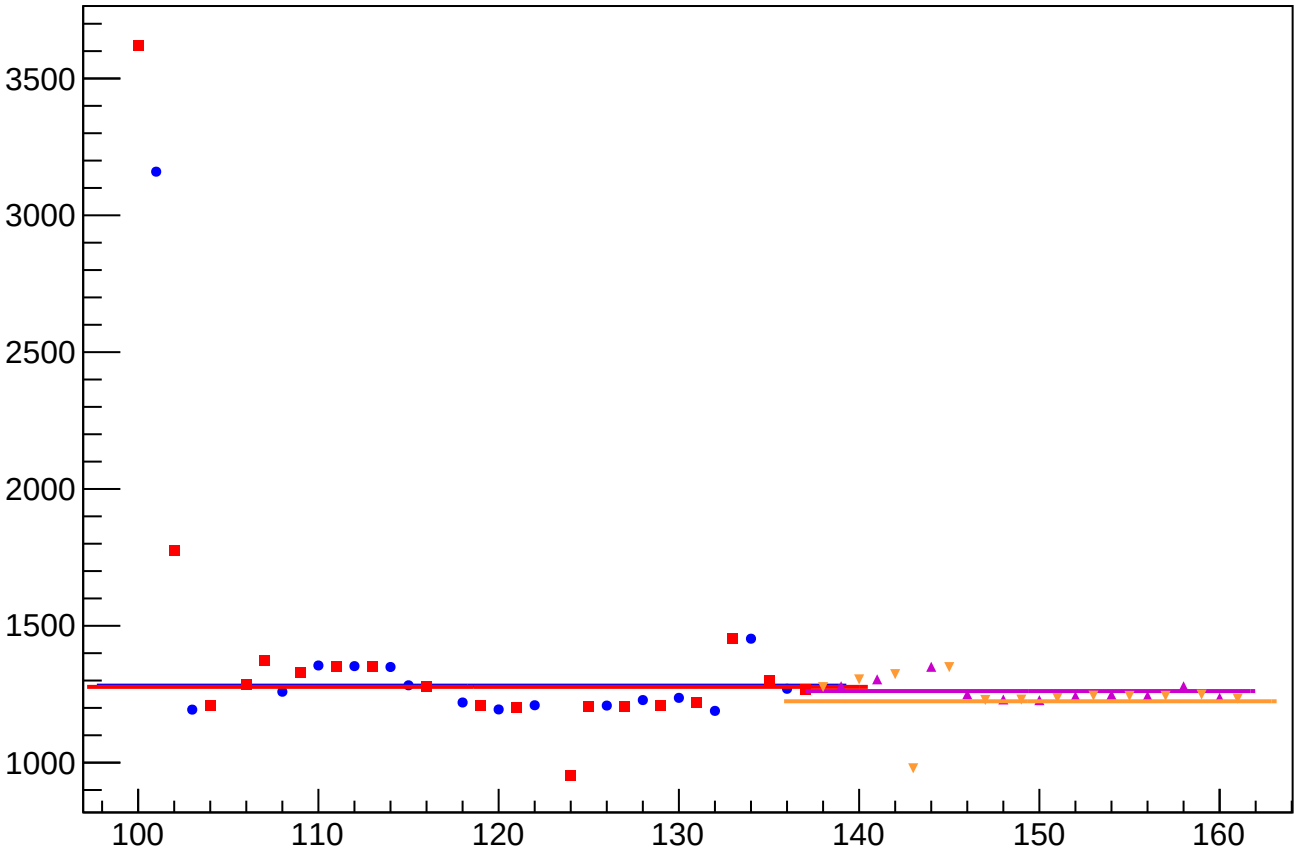
Left: -254.221+/-278.657 χ^2/NDF: 26.0/23

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 143.515+/-312.429 χ^2/NDF:26.9/26

Out: -379.104+/-297.807 χ^2/NDF:34.4/31

All: -130.310+/-215.565 χ^2/NDF: 62.7/58



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1224.209+/-0.270 χ^2/NDF:132136.8/12

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

Left: 1241.619+/-0.197 χ^2/NDF: 155539.9/23

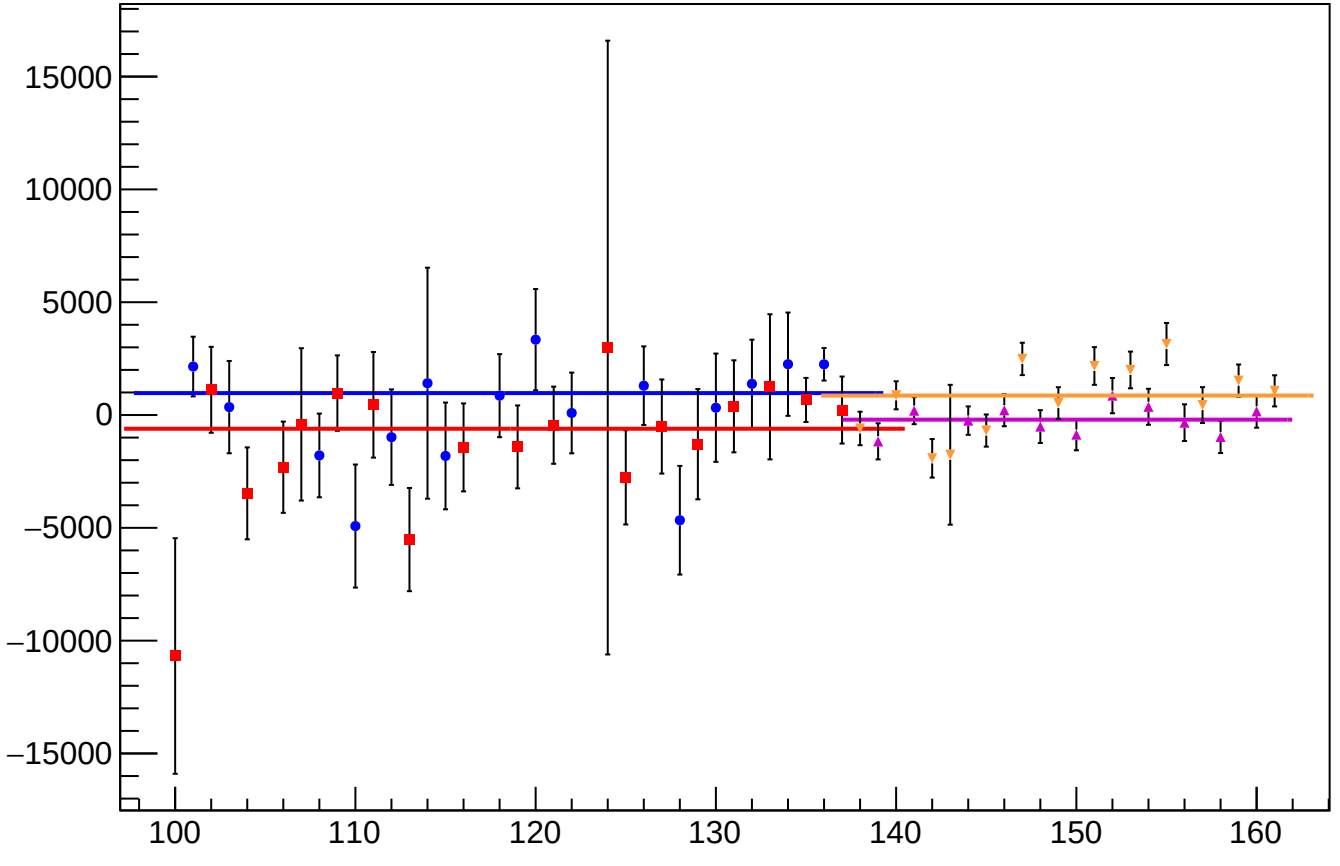
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.7/26

Out: 1244.750+/-0.211 χ^2/NDF:367524.1/31

All: 1256.659+/-0.152 χ^2/NDF: 897729.5/58

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 863.015+/-215.426 χ^2/NDF:36.9/12

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -204.796+/-216.071 χ^2/NDF:7.1/10

Left: 330.705+/-152.557 χ^2/NDF: 56.3/23

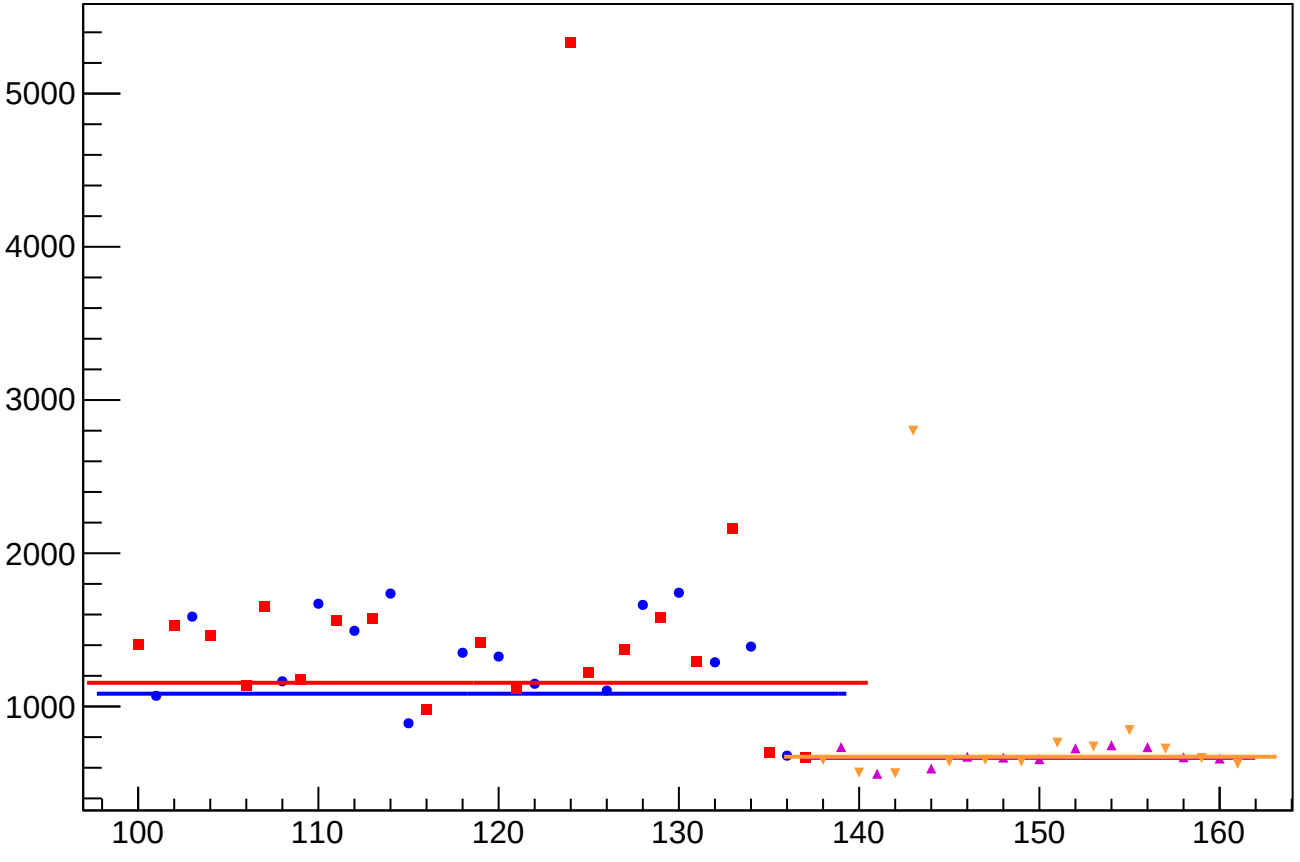
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 36.762+/-192.628 χ^2/NDF:33.7/26

Out: 586.407+/-194.124 χ^2/NDF:62.8/31

All: 309.458+/-136.735 χ^2/NDF: 100.5/58

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: 671.977+/-0.152 χ^2/NDF:1166412.2/12

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

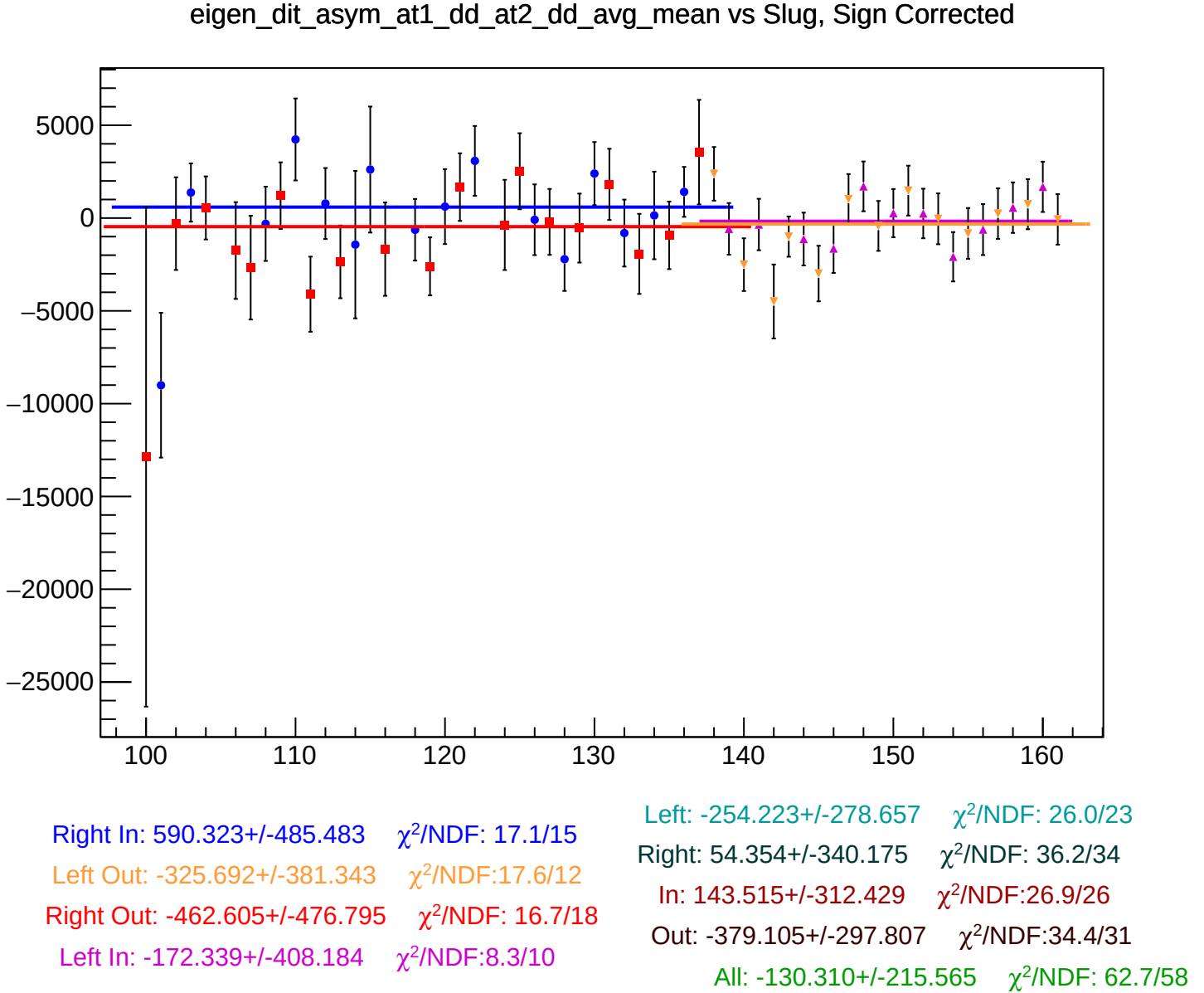
Left: 668.011+/-0.108 χ^2/NDF: 1316799.2/23

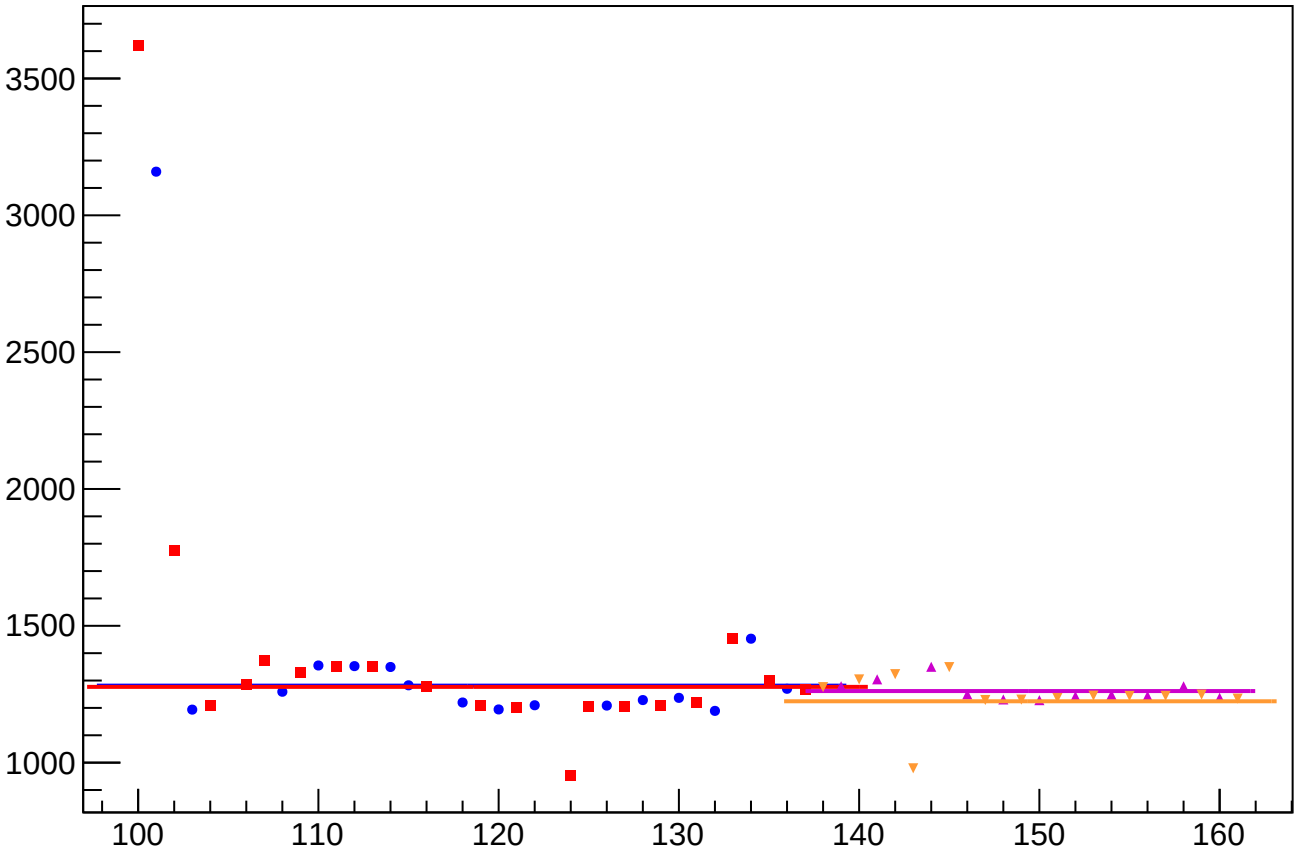
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 750.072+/-0.136 χ^2/NDF:3054894.9/26

Out: 762.726+/-0.137 χ^2/NDF:4542682.9/31

All: 756.350+/-0.097 χ^2/NDF: 7601859.2/58


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -325.692+/-381.343 χ²/NDF:17.6/12
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -172.339+/-408.184 χ²/NDF:8.3/10
Left: -254.223+/-278.657 χ²/NDF: 26.0/23
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 143.515+/-312.429 χ²/NDF:26.9/26
Out: -379.105+/-297.807 χ²/NDF:34.4/31
All: -130.310+/-215.565 χ²/NDF: 62.7/58



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1224.210+/-0.270 χ^2/NDF:132136.1/12

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

Left: 1241.619+/-0.197 χ^2/NDF: 155539.1/23

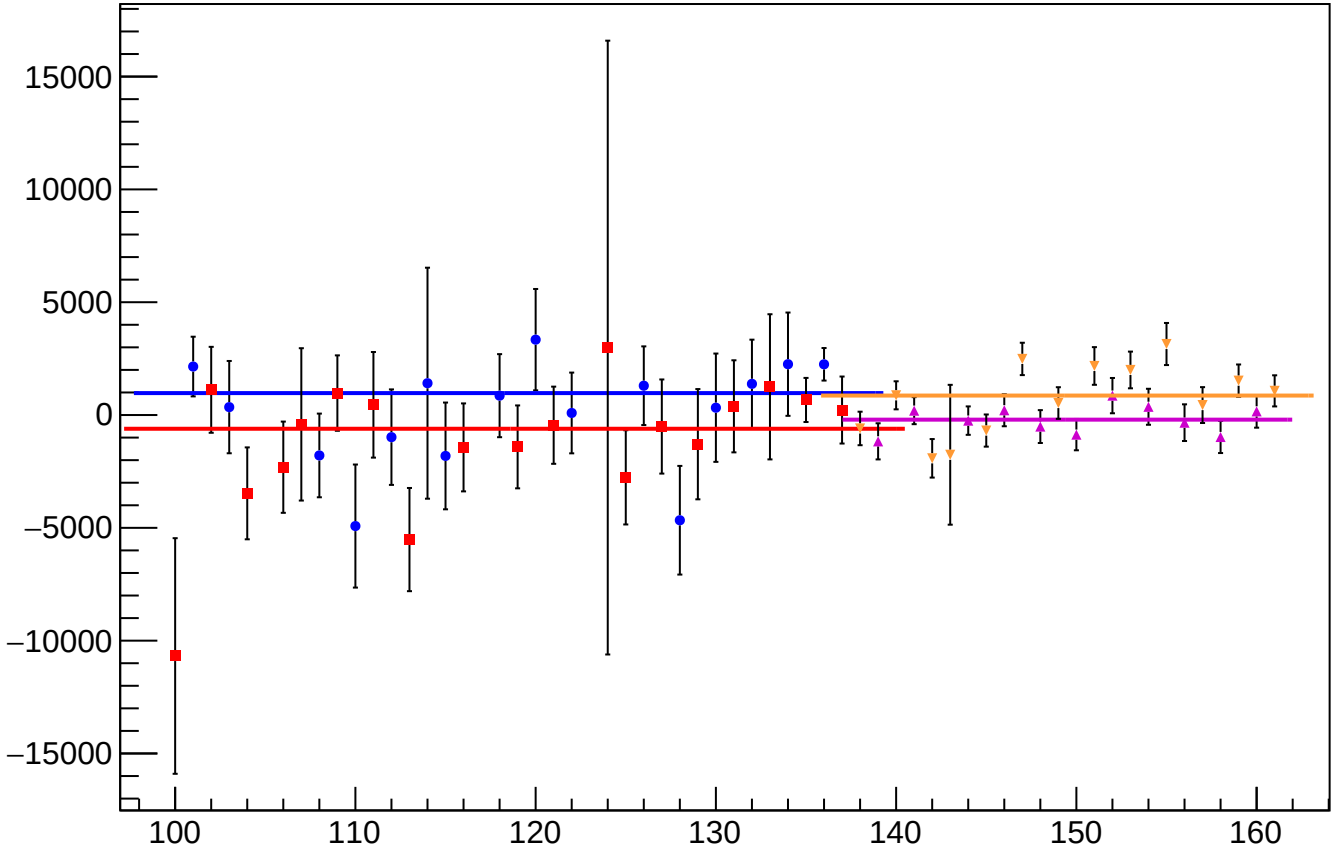
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1269.767+/-0.221 χ^2/NDF:523486.9/26

Out: 1244.750+/-0.211 χ^2/NDF:367523.1/31

All: 1256.659+/-0.152 χ^2/NDF: 897728.6/58

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: 863.018+/-215.426 χ^2/NDF:36.9/12

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -204.795+/-216.071 χ^2/NDF:7.1/10

Left: 330.707+/-152.557 χ^2/NDF: 56.3/23

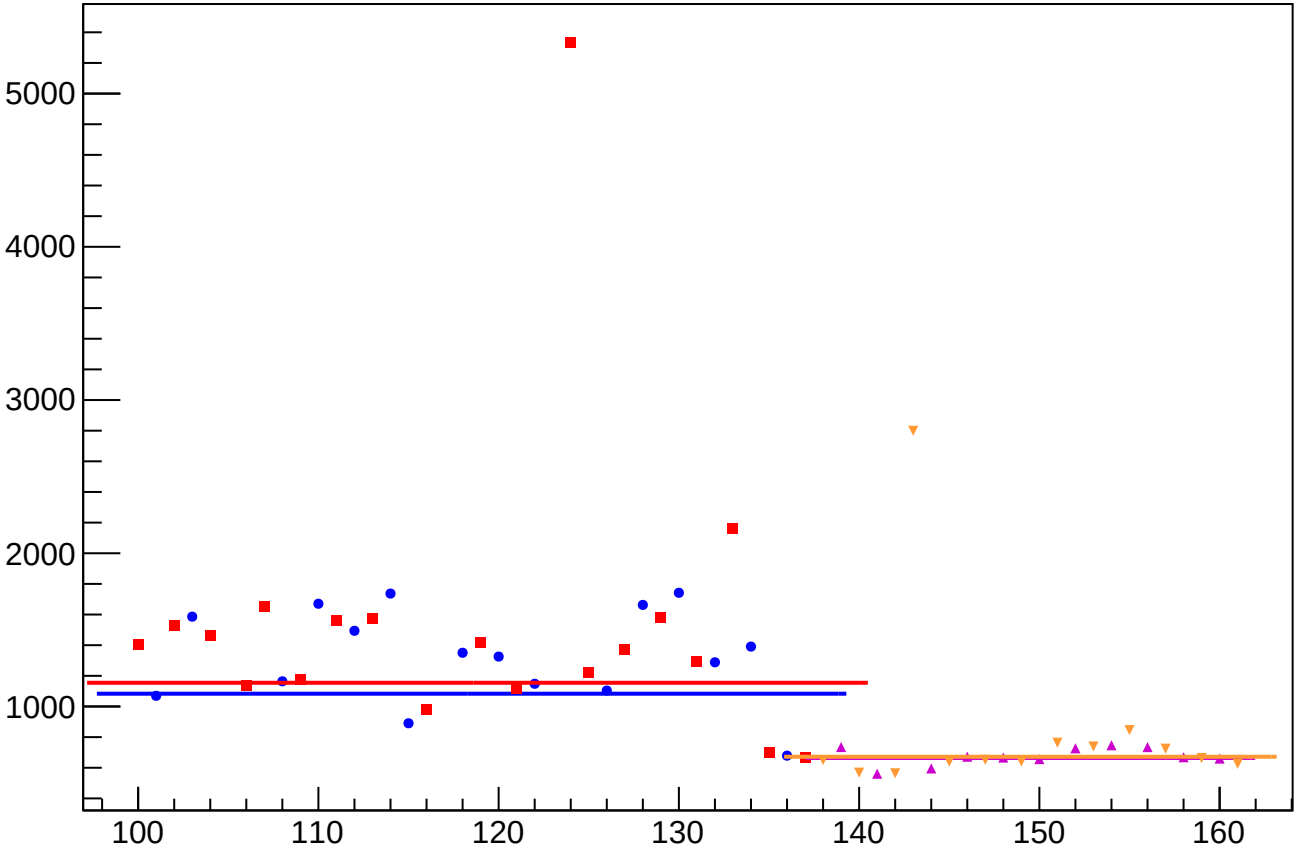
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 36.761+/-192.628 χ^2/NDF:33.7/26

Out: 586.409+/-194.125 χ^2/NDF:62.8/31

All: 309.459+/-136.735 χ^2/NDF: 100.5/58

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.978+/-0.152 χ^2/NDF:1166406.3/12

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

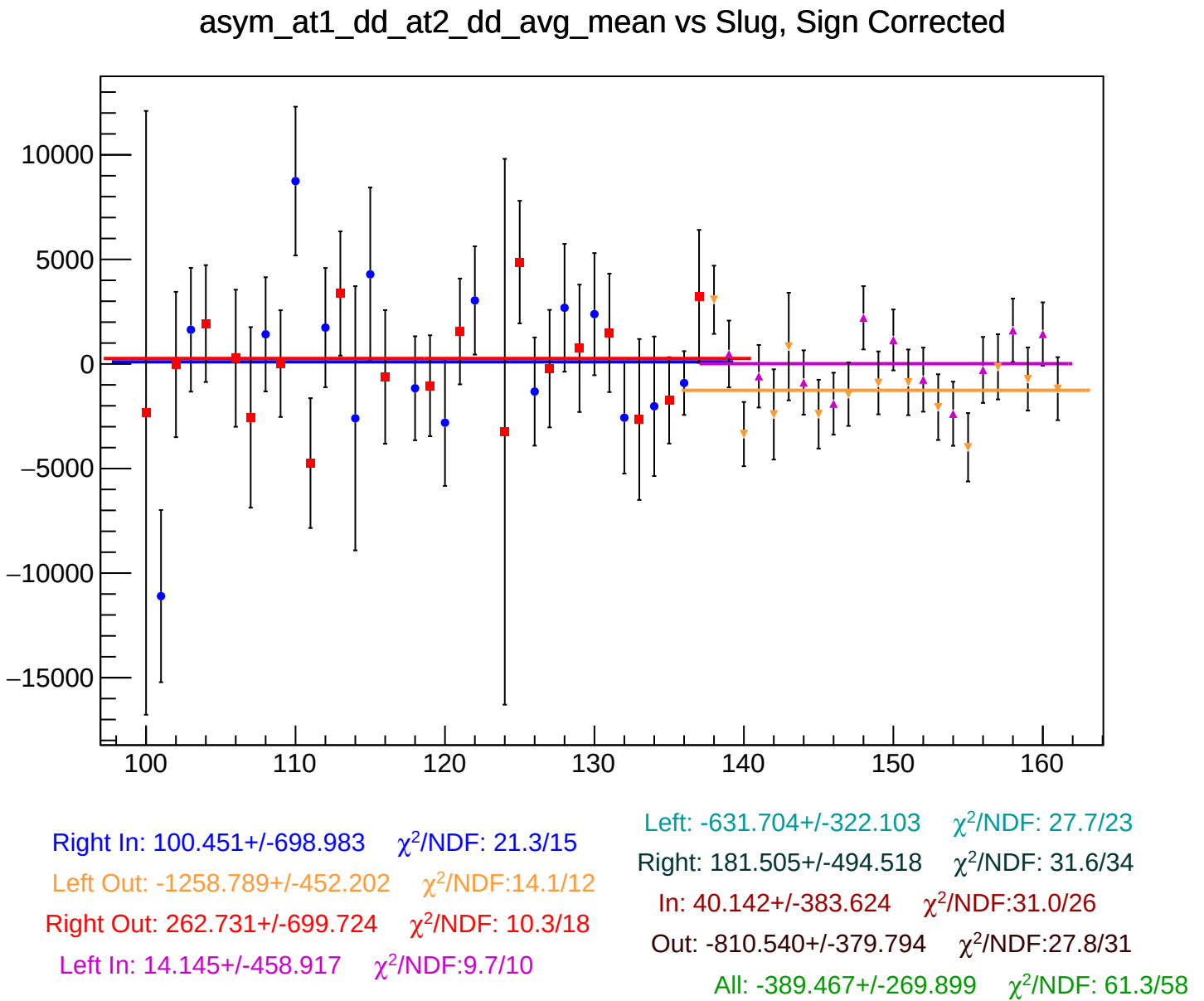
Left: 668.012+/-0.108 χ^2/NDF: 1316795.6/23

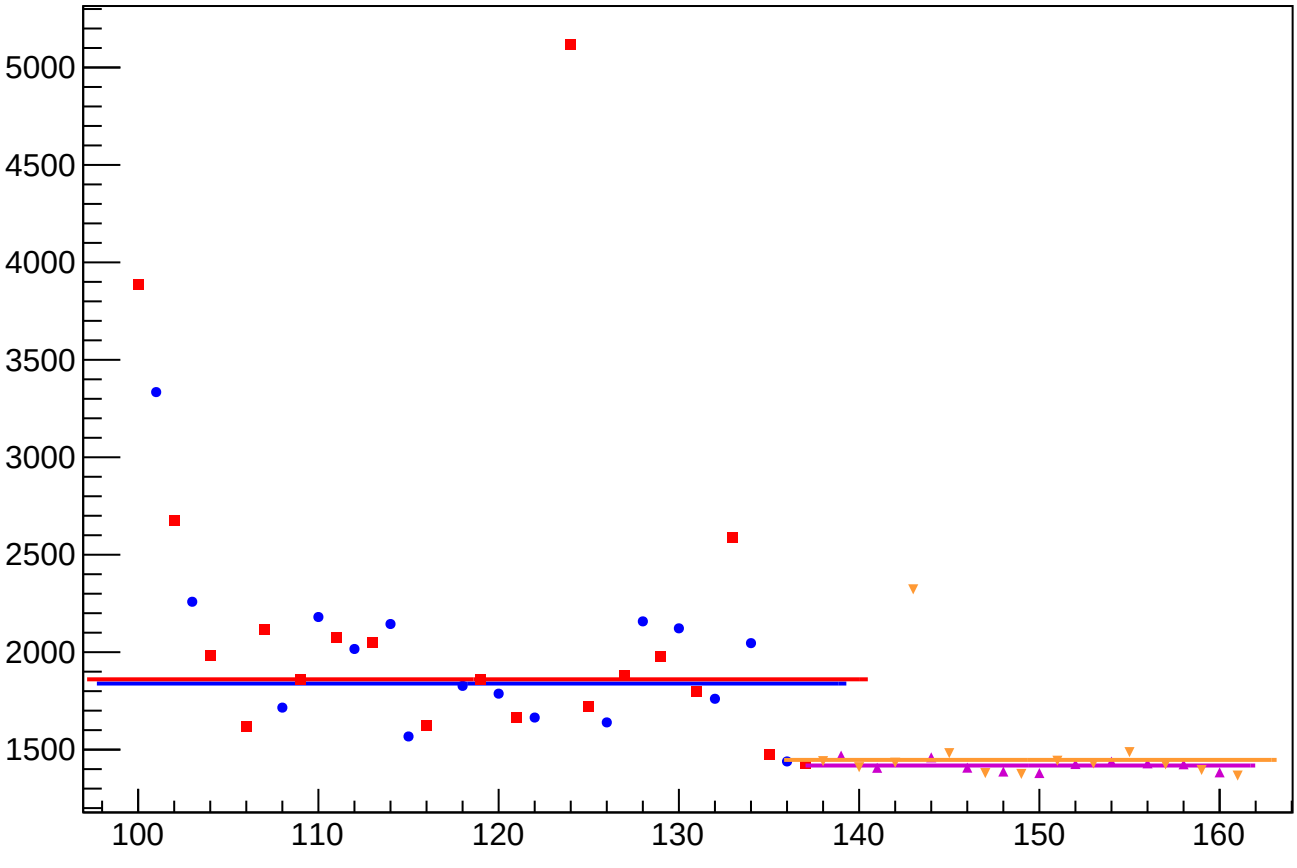
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 750.074+/-0.136 χ^2/NDF:3054874.4/26

Out: 762.727+/-0.137 χ^2/NDF:4542658.1/31

All: 756.352+/-0.097 χ^2/NDF: 7601814.3/58


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1258.789+/-452.202 χ²/NDF:14.1/12
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 14.145+/-458.917 χ²/NDF:9.7/10
Left: -631.704+/-322.103 χ²/NDF: 27.7/23
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 40.142+/-383.624 χ²/NDF:31.0/26
Out: -810.540+/-379.794 χ²/NDF:27.8/31
All: -389.467+/-269.899 χ²/NDF: 61.3/58



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1447.305+/-0.320 χ^2/NDF:252295.0/12

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

Left: 1433.107+/-0.228 χ^2/NDF: 263876.9/23

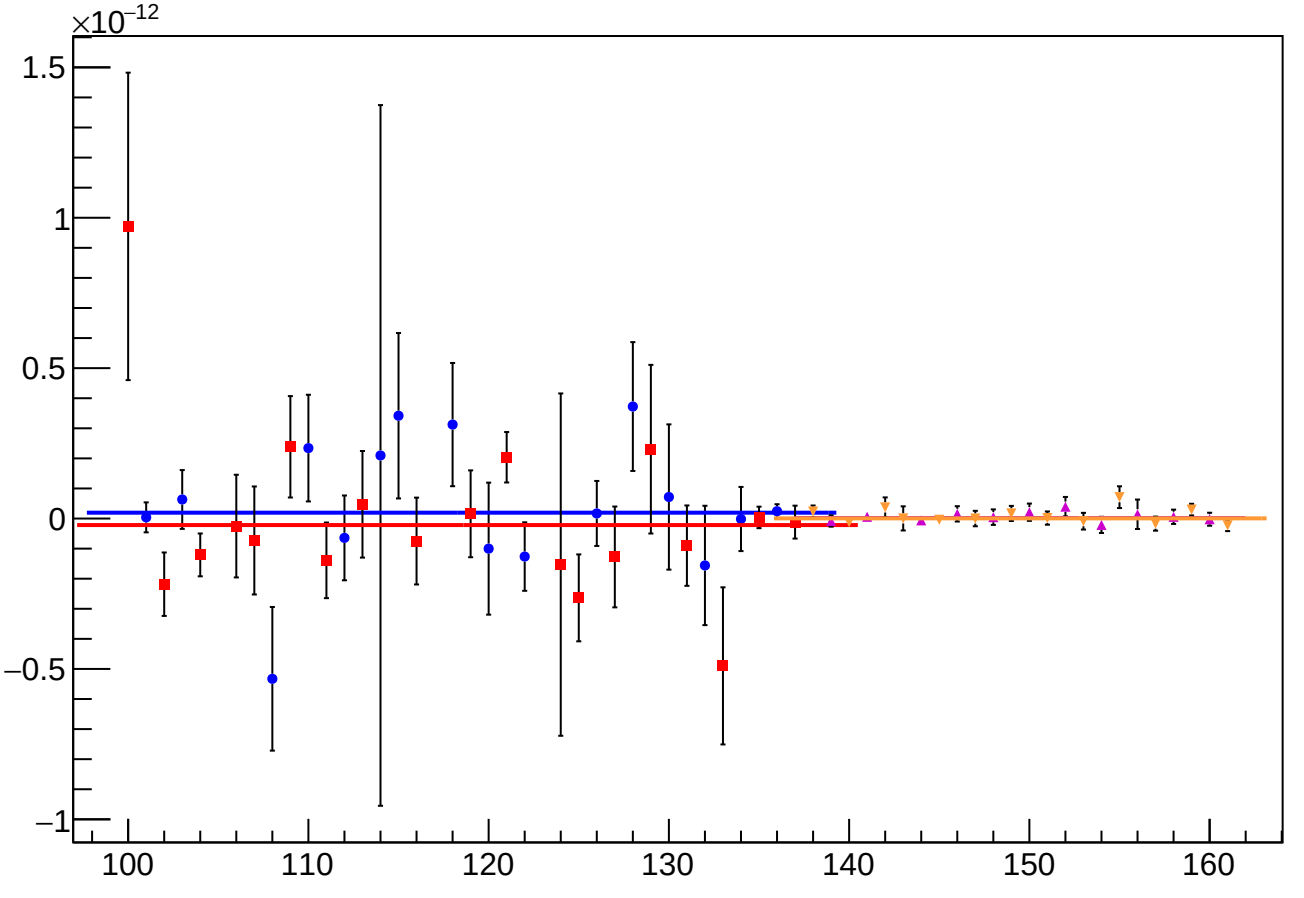
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1545.185+/-0.271 χ^2/NDF:1070408.6/26

Out: 1569.111+/-0.269 χ^2/NDF:1266968.5/31

All: 1557.268+/-0.191 χ^2/NDF: 2341306.2/58

asym_at1_dd_at2_dd_avg_reg_vs_cor_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:12.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/10

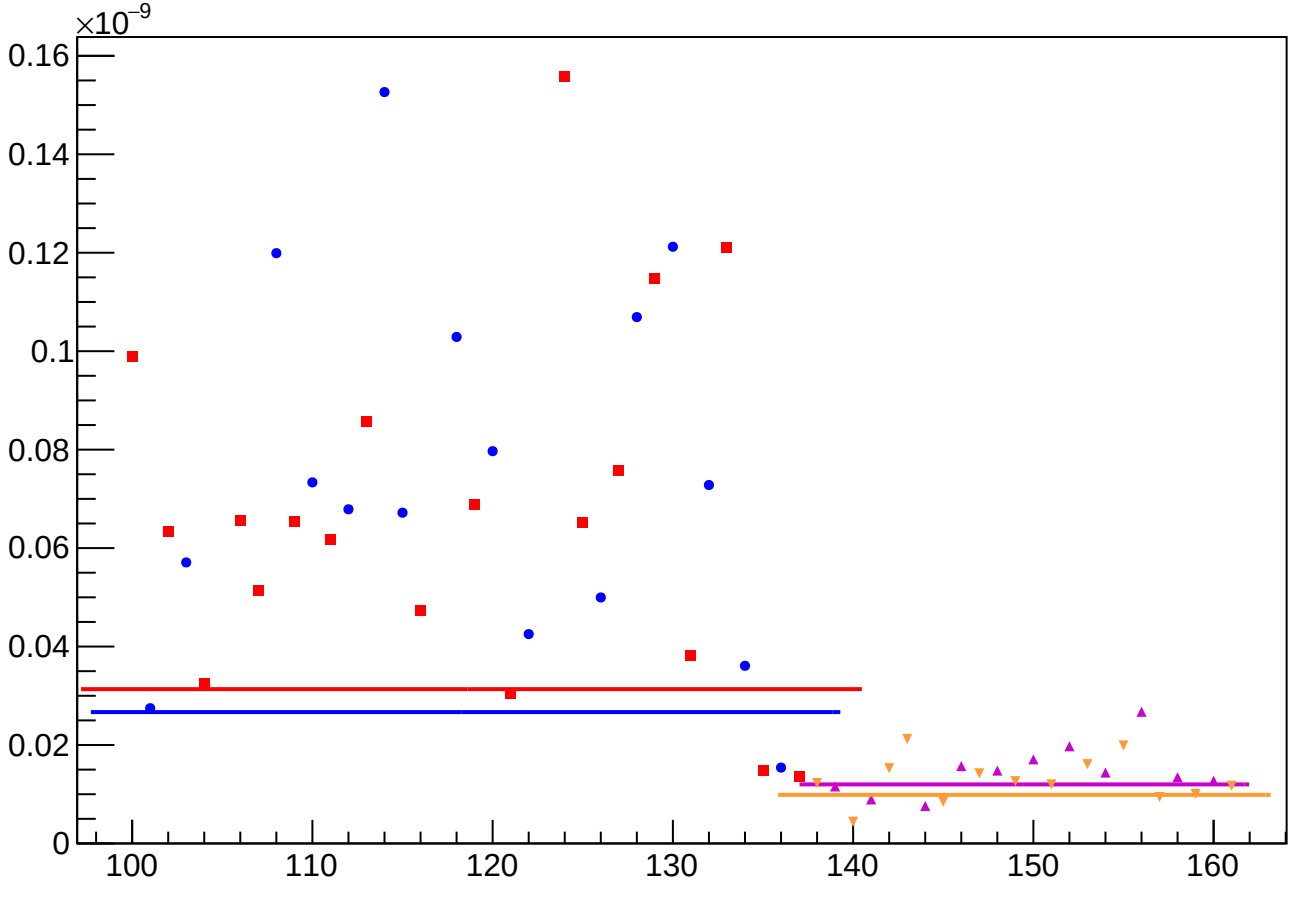
Left: 0.000+/-0.000 χ^2/NDF: 16.4/23

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.9/26

Out: -0.000+/-0.000 χ^2/NDF:41.9/31

All: 0.000+/-0.000 χ^2/NDF: 63.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157845.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

Left: 0.000+/-0.000 χ^2/NDF: 2017957.2/23

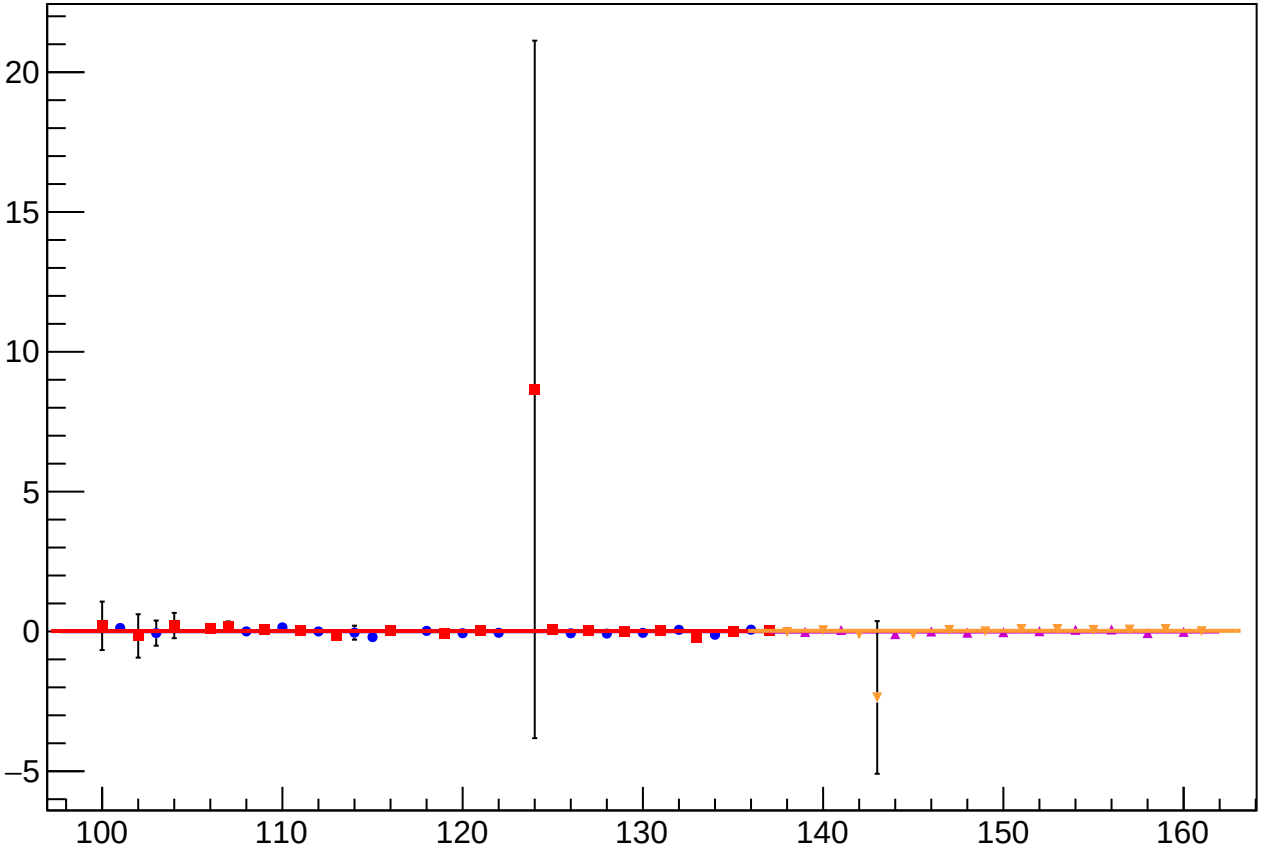
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4408506.1/26

Out: 0.000+/-0.000 χ^2/NDF:5176990.4/31

All: 0.000+/-0.000 χ^2/NDF: 9758628.3/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

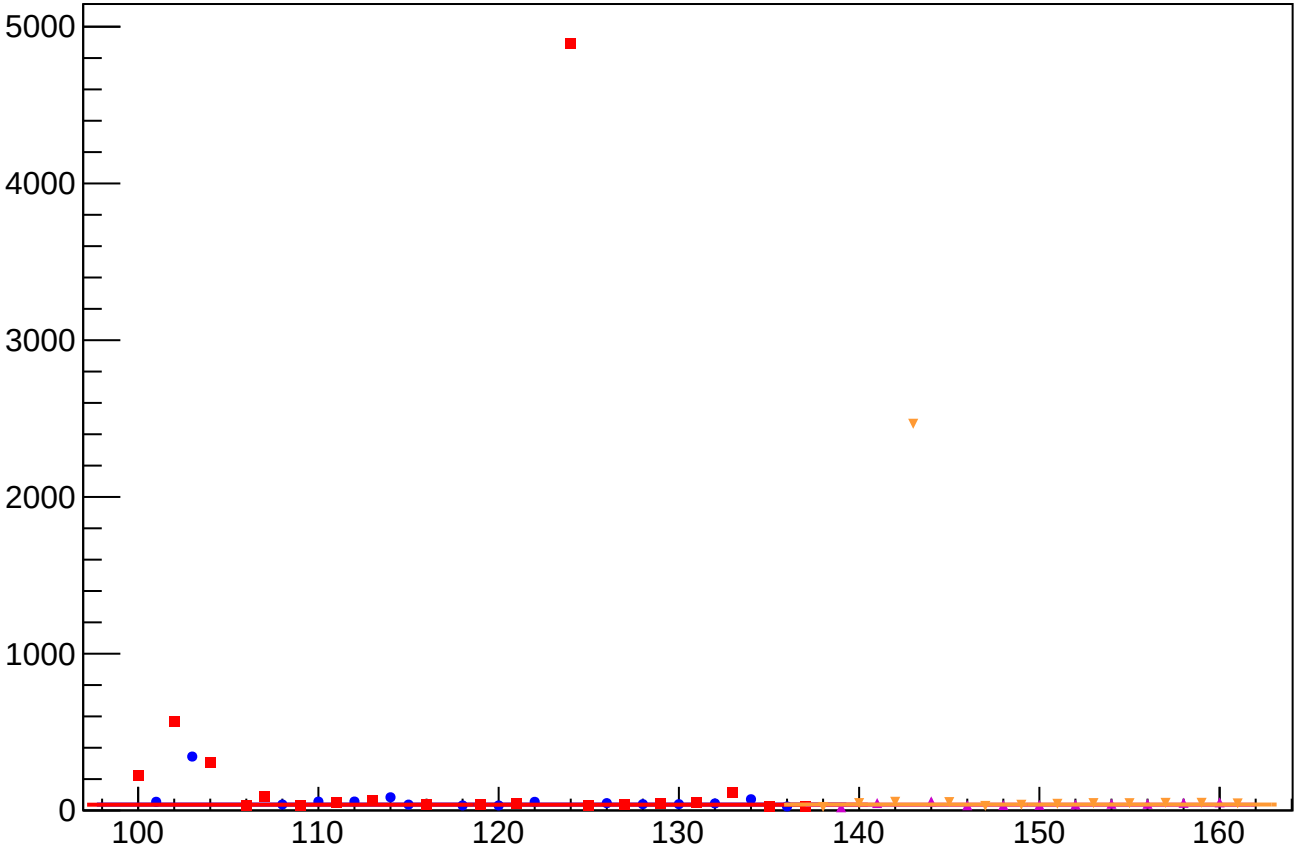
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.787+/-0.009 χ^2/NDF:2910135.9/12

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

Left: 37.069+/-0.007 χ^2/NDF: 4262189.7/23

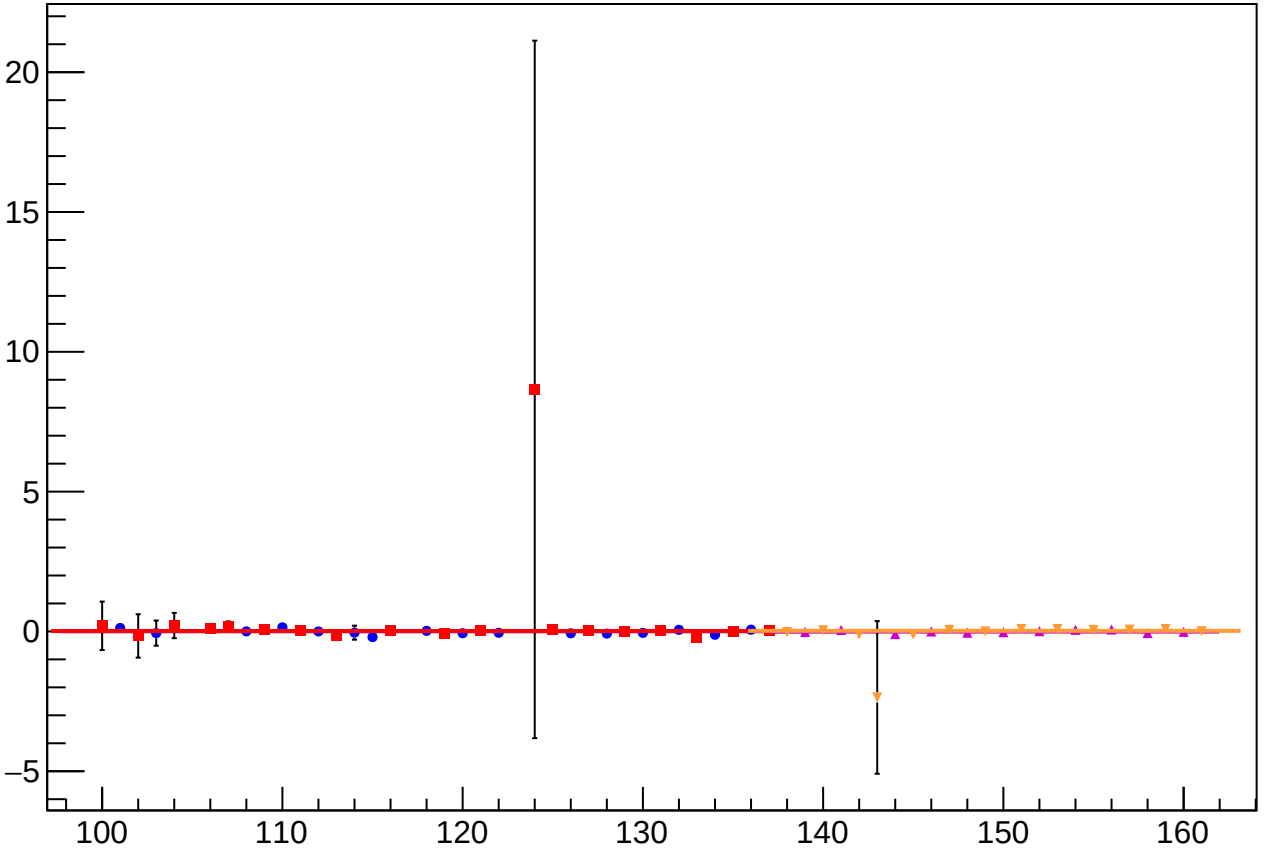
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.386+/-0.007 χ^2/NDF:6105407.5/31

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

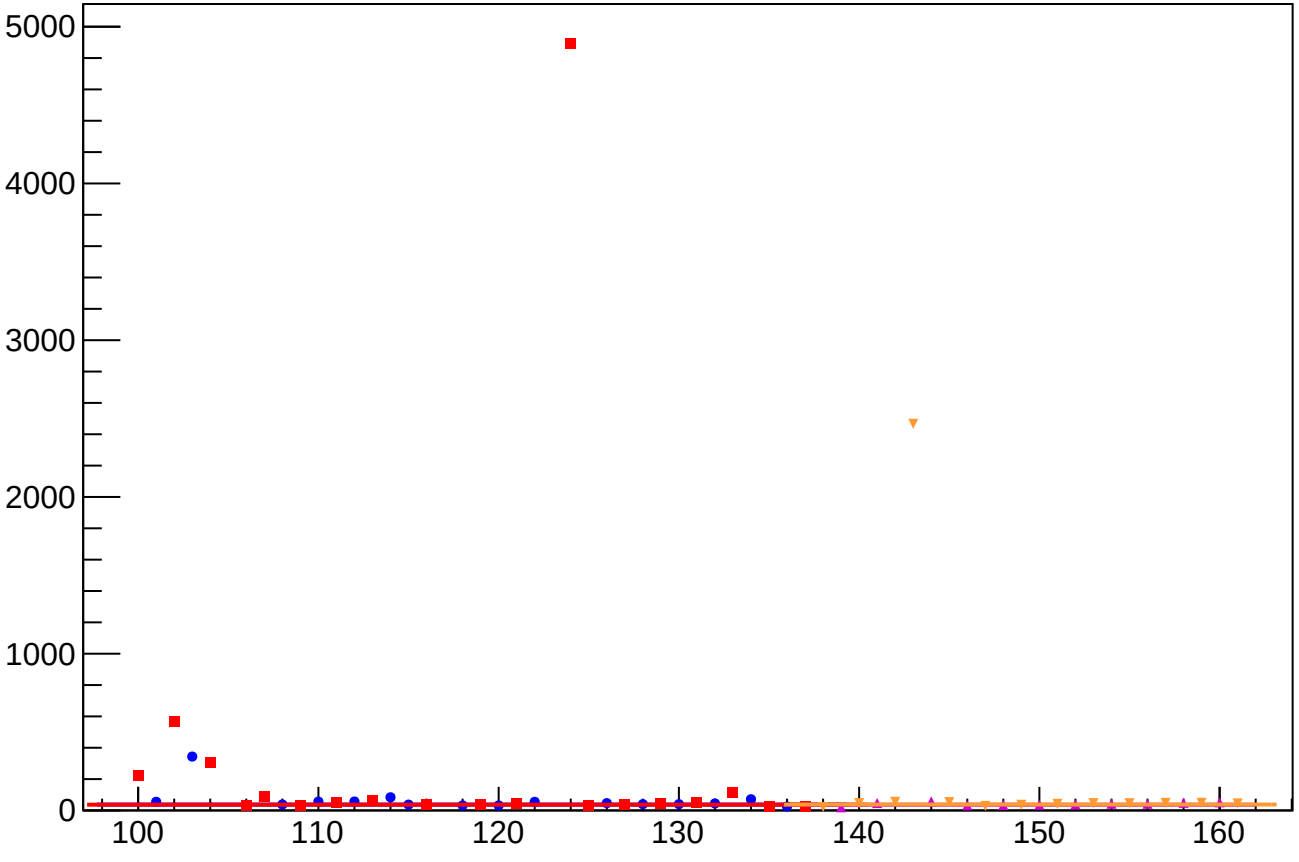
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.787+/-0.009 χ^2/NDF:2910135.9/12

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

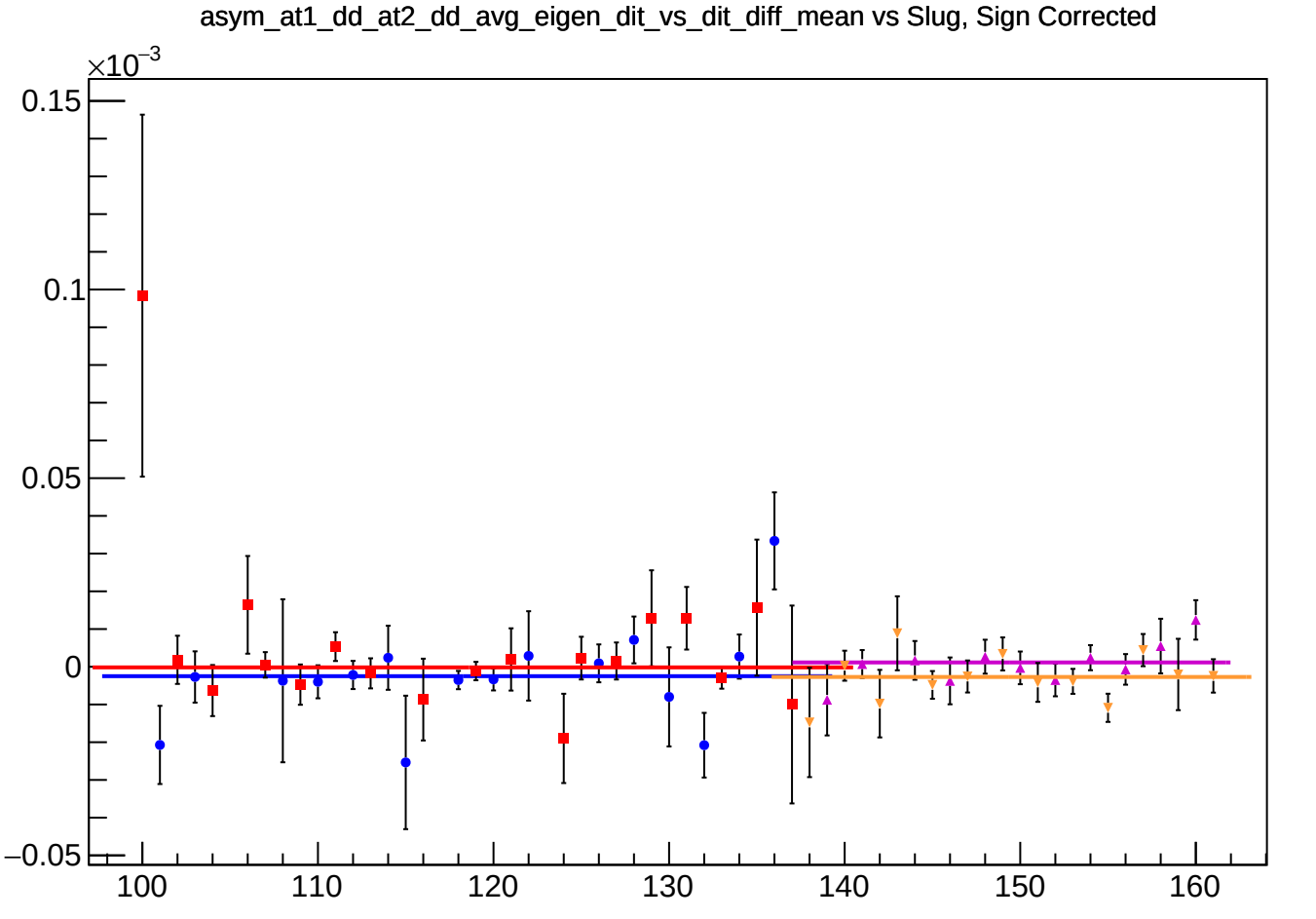
Left: 37.069+/-0.007 χ^2/NDF: 4262189.7/23

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 36.826+/-0.007 χ^2/NDF:3329806.8/26

Out: 37.386+/-0.007 χ^2/NDF:6105407.5/31

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

Left: -0.000+/-0.000 χ^2/NDF: 25.9/23

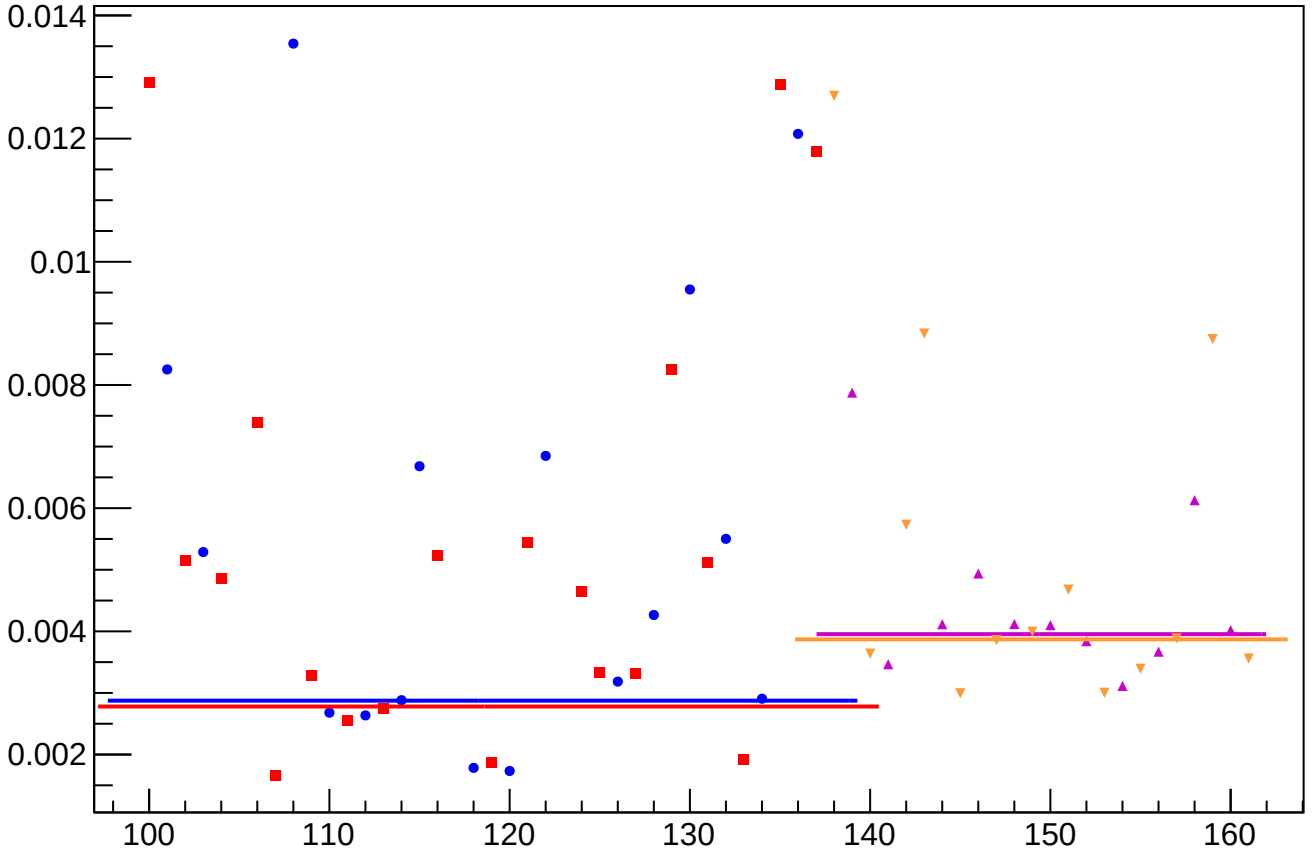
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:34.3/31

All: -0.000+/-0.000 χ^2/NDF: 68.4/58

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2222743.2/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:756069.8/10

Left: 0.004+/-0.000 χ^2/NDF: 2982755.5/23

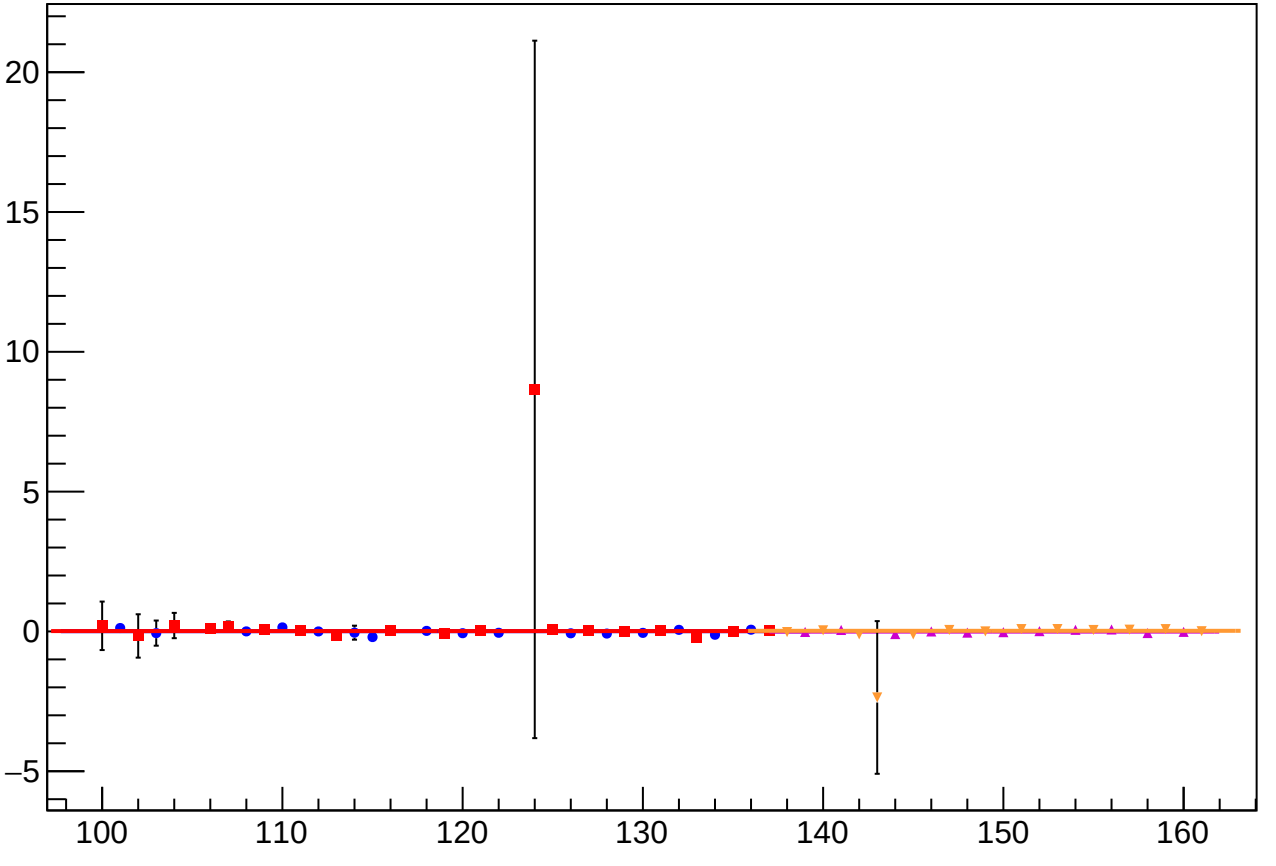
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5545492.1/26

Out: 0.003+/-0.000 χ^2/NDF:6307715.9/31

All: 0.003+/-0.000 χ^2/NDF: 11867442.0/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

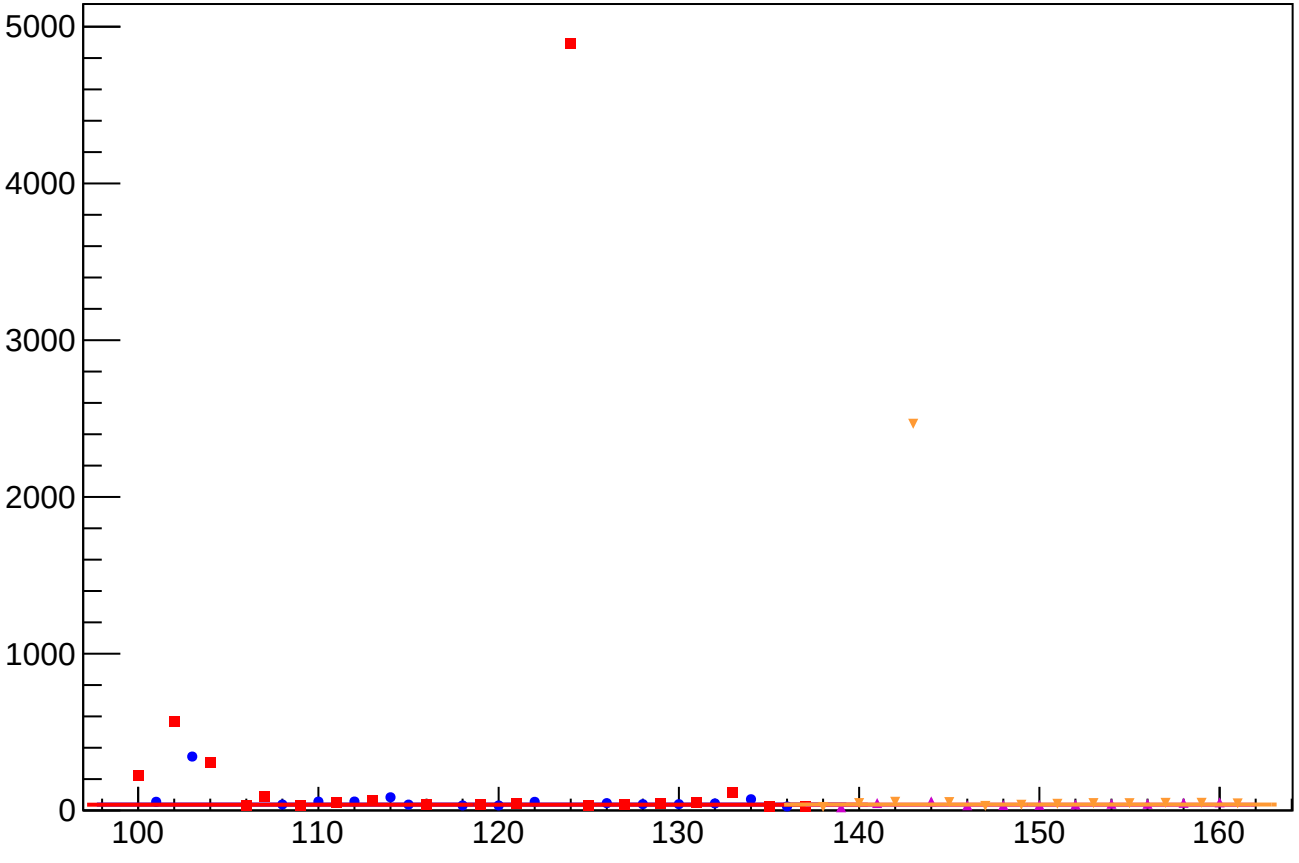
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

Left: 37.070+/-0.007 χ^2/NDF: 4261649.9/23

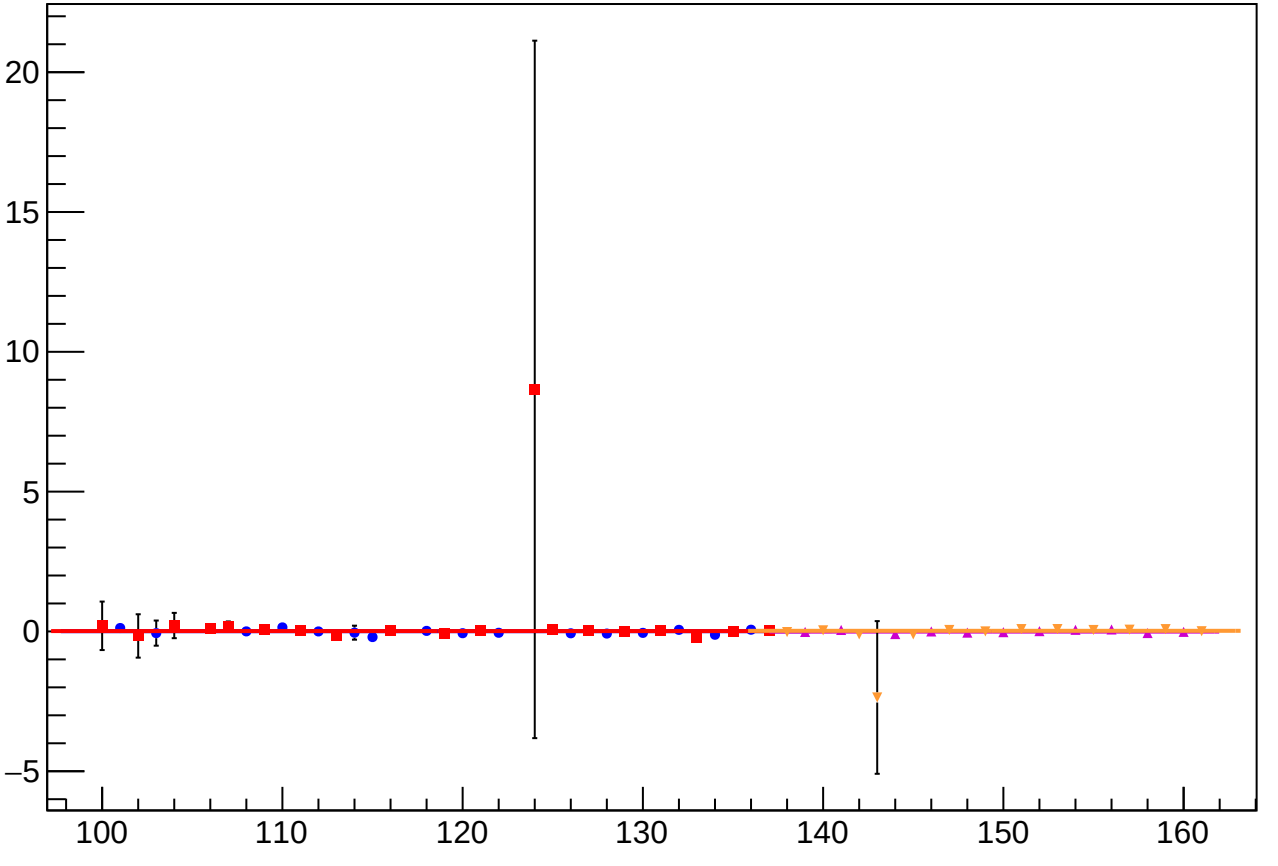
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.385+/-0.007 χ^2/NDF:6105660.4/31

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

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: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/10

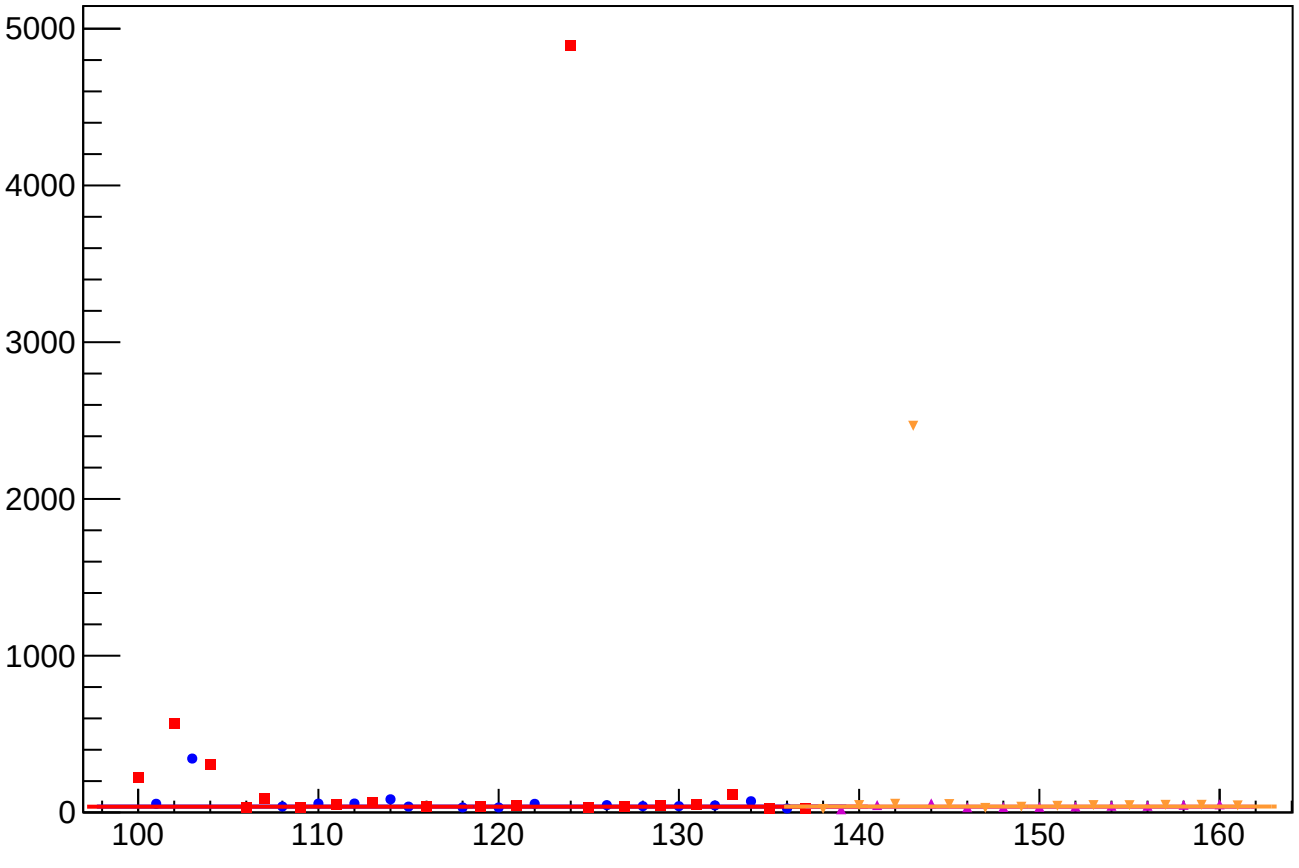
Left: 0.007+/-0.009 χ^2/NDF: 28.3/23

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/26

Out: 0.018+/-0.010 χ^2/NDF:29.1/31

All: 0.009+/-0.007 χ^2/NDF: 60.2/58



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

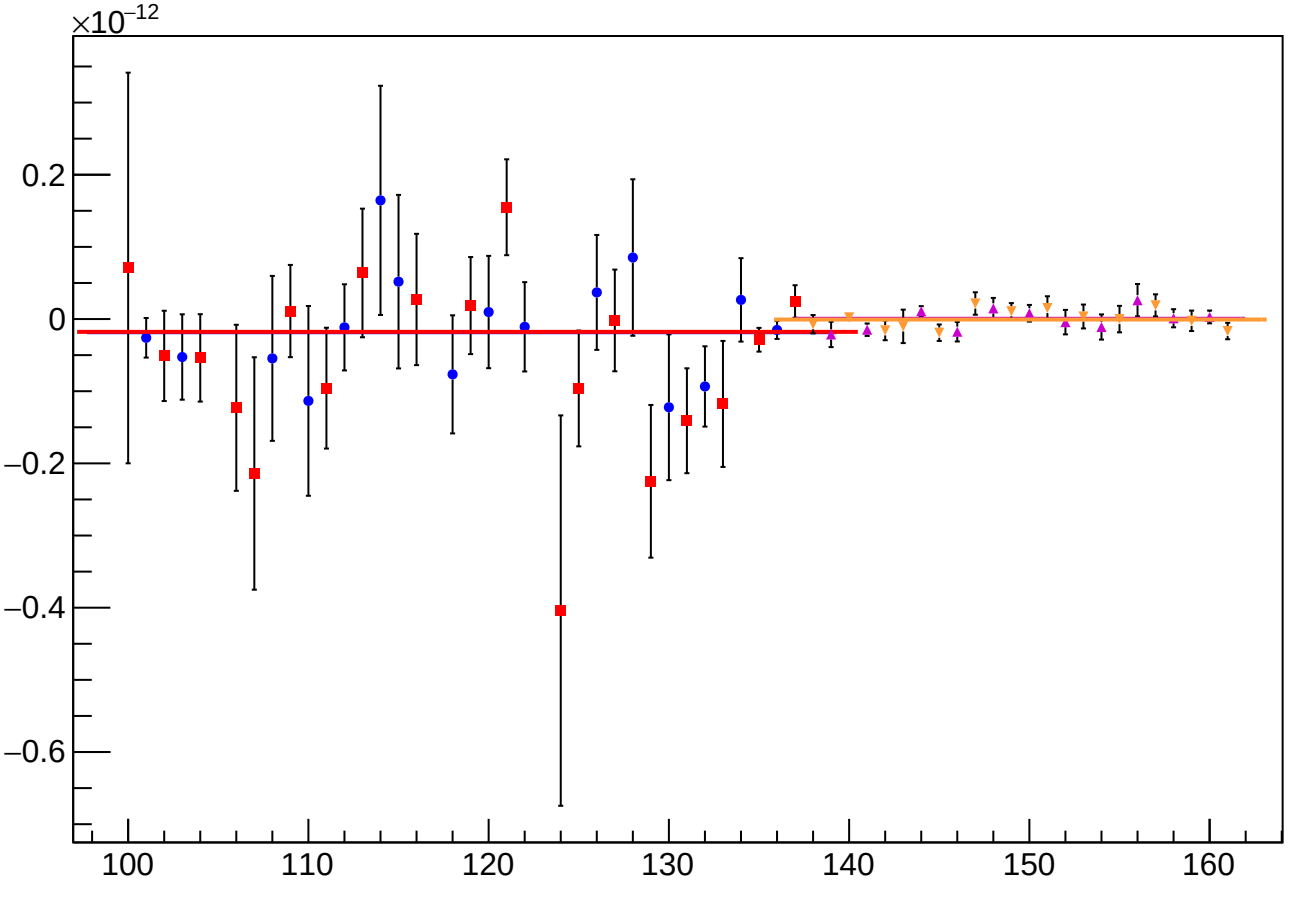
Left: 37.070+/-0.007 χ^2/NDF: 4261649.9/23

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 36.828+/-0.007 χ^2/NDF:3328672.1/26

Out: 37.385+/-0.007 χ^2/NDF:6105660.4/31

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/10

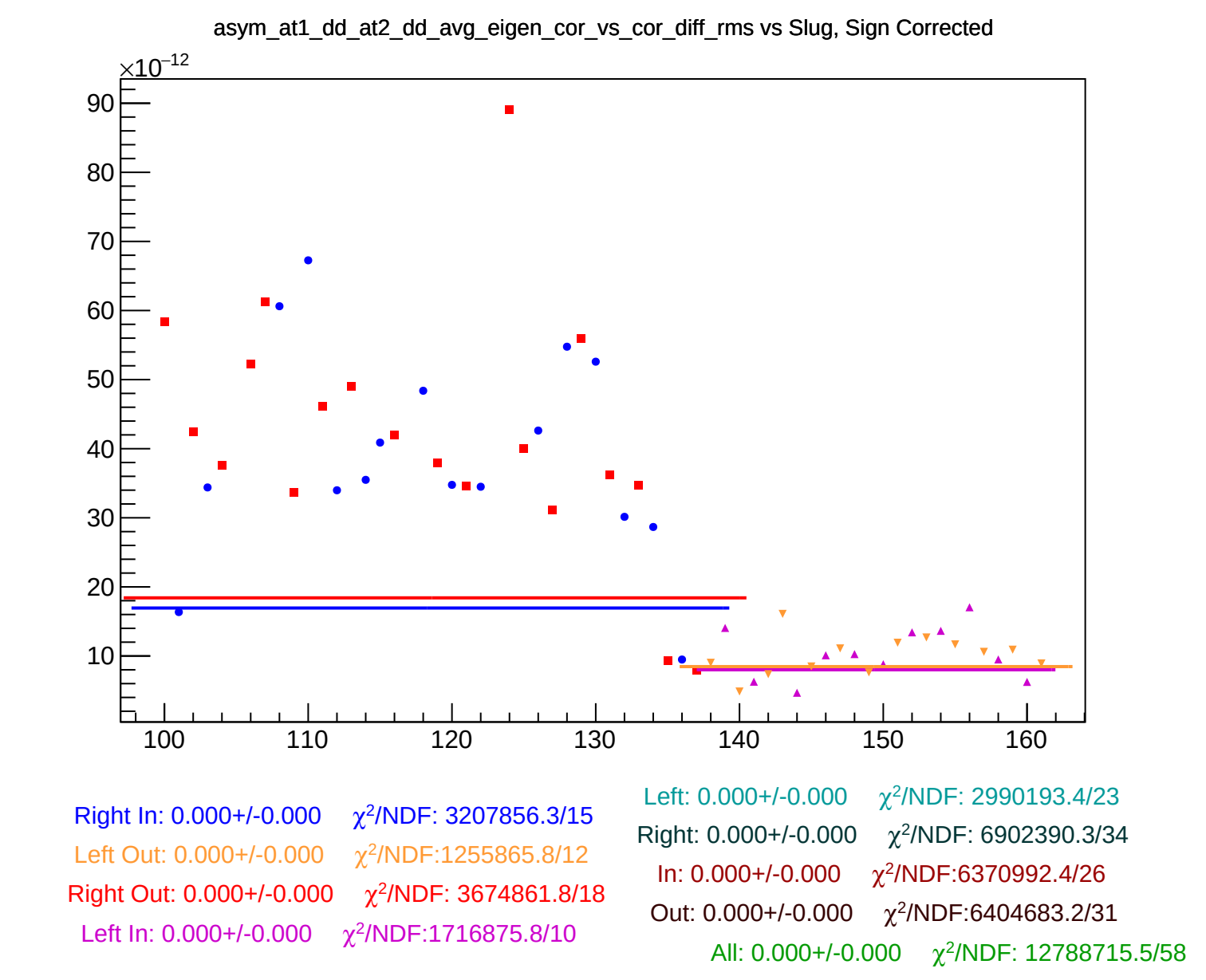
Left: -0.000+/-0.000 χ^2/NDF: 24.1/23

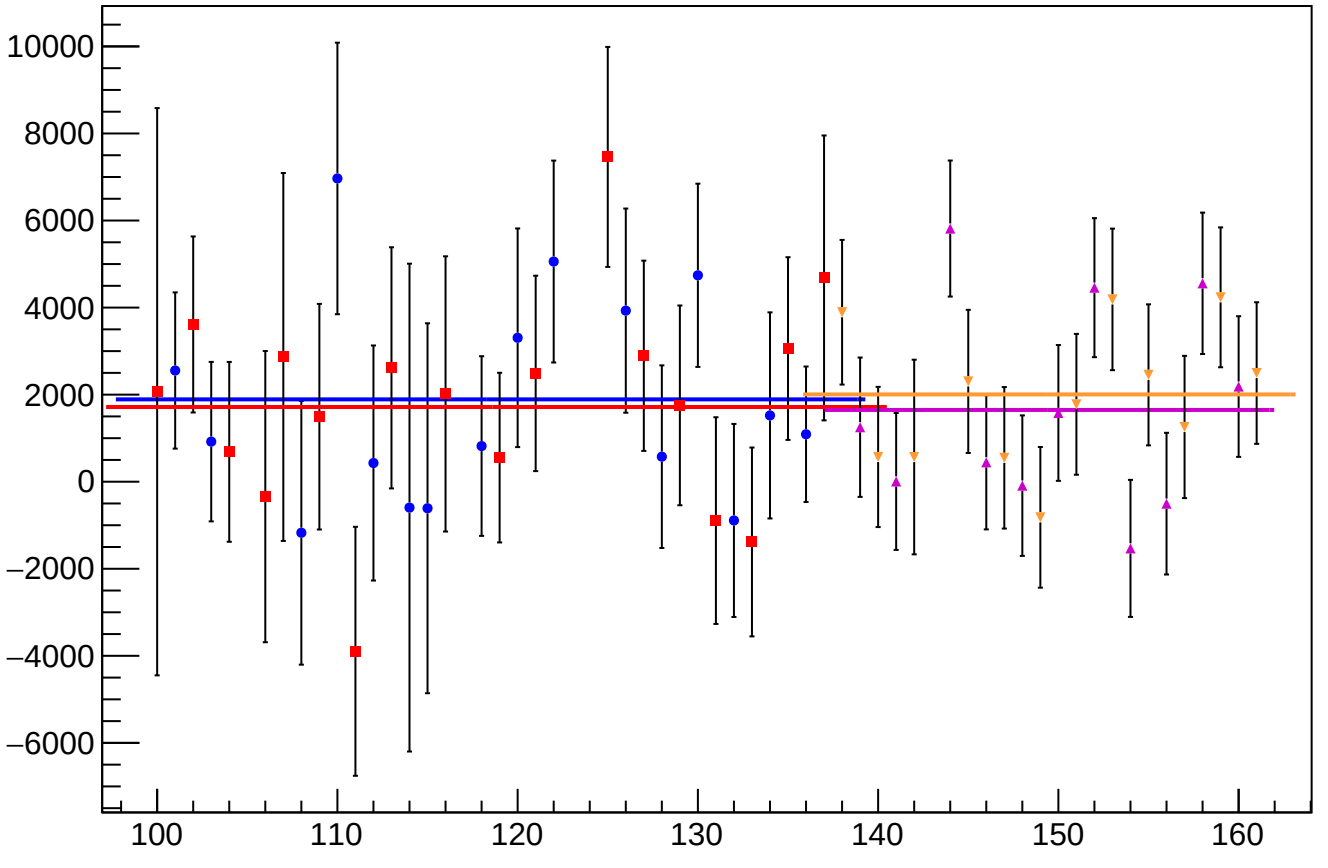
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:23.4/26

Out: -0.000+/-0.000 χ^2/NDF:41.6/31

All: -0.000+/-0.000 χ^2/NDF: 64.9/58


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1255865.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1716875.8/10
Left: 0.000+/-0.000 χ²/NDF: 2990193.4/23
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6370992.4/26
Out: 0.000+/-0.000 χ²/NDF:6404683.2/31
All: 0.000+/-0.000 χ²/NDF: 12788715.5/58



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.304+/-478.909 χ^2/NDF:10.5/11

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1648.318+/-479.178 χ^2/NDF:22.3/10

Left: 1826.911+/-338.735 χ^2/NDF: 33.1/22

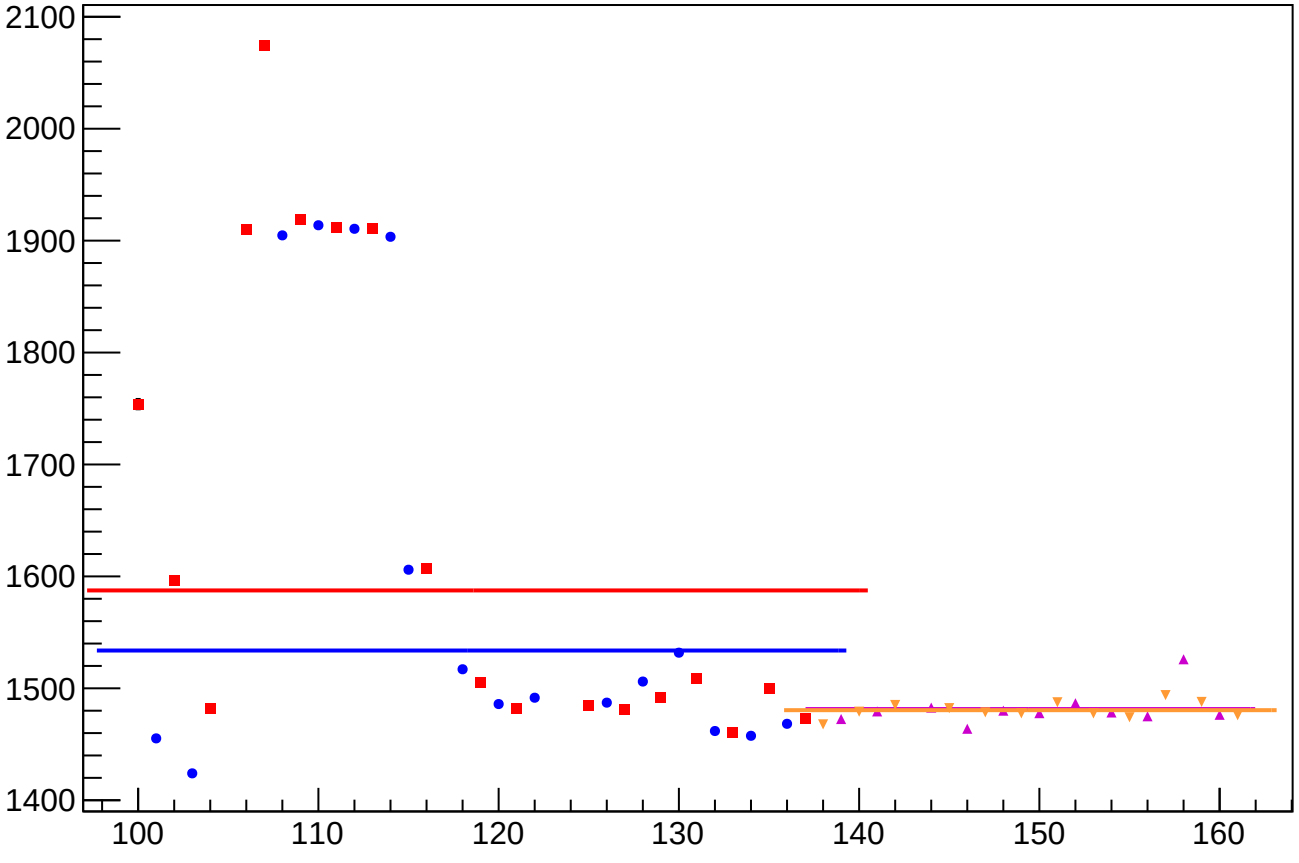
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1748.534+/-367.385 χ^2/NDF:34.6/26

Out: 1890.248+/-371.711 χ^2/NDF:26.6/29

All: 1818.562+/-261.296 χ^2/NDF: 61.3/56

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

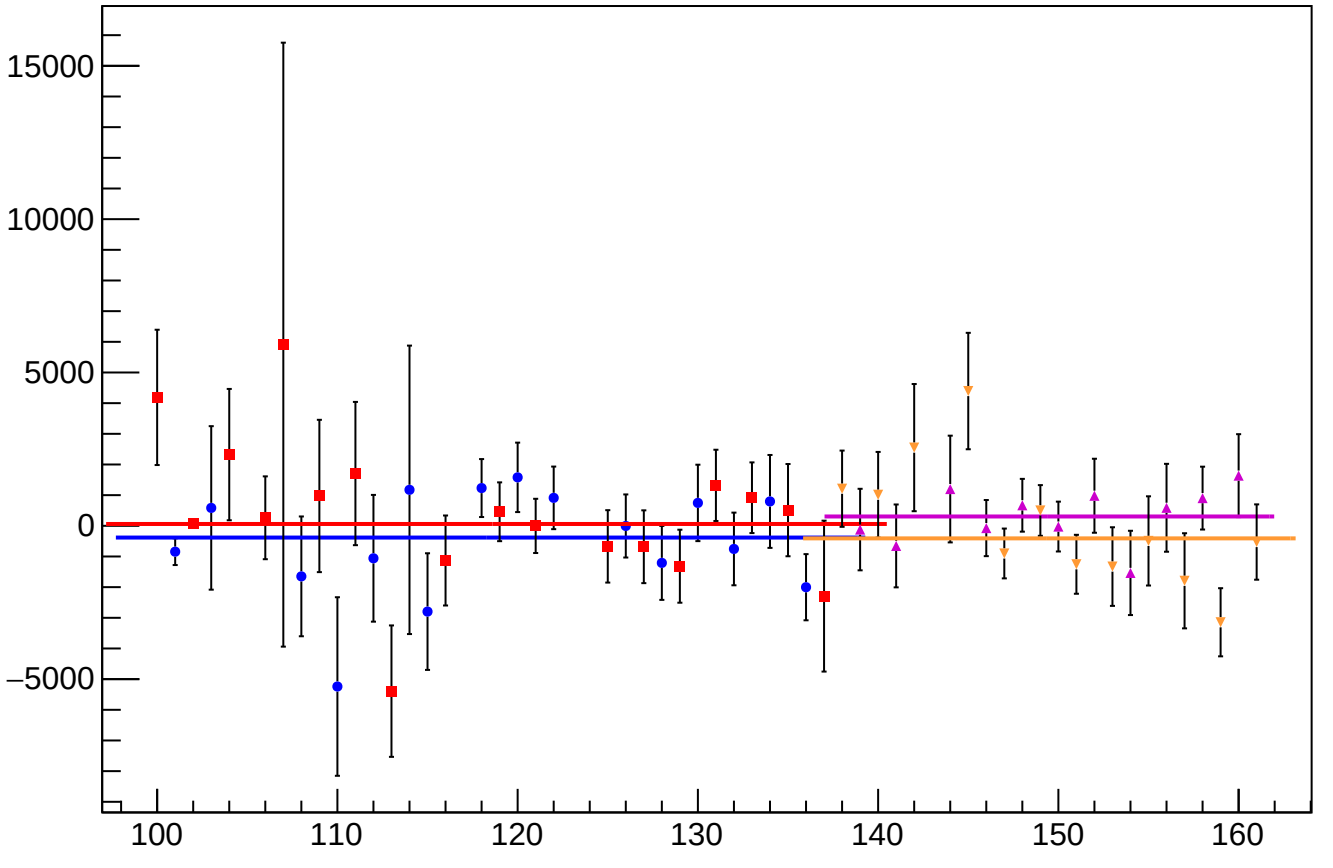
Left: 1480.977+/-0.240 χ^2/NDF: 2331.1/22

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1503.035+/-0.260 χ^2/NDF:141007.1/26

Out: 1523.007+/-0.263 χ^2/NDF:212080.2/29

All: 1512.904+/-0.185 χ^2/NDF: 356007.9/56



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.514+/-339.021 χ^2/NDF:20.9/11

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 304.538+/-338.963 χ^2/NDF:4.8/10

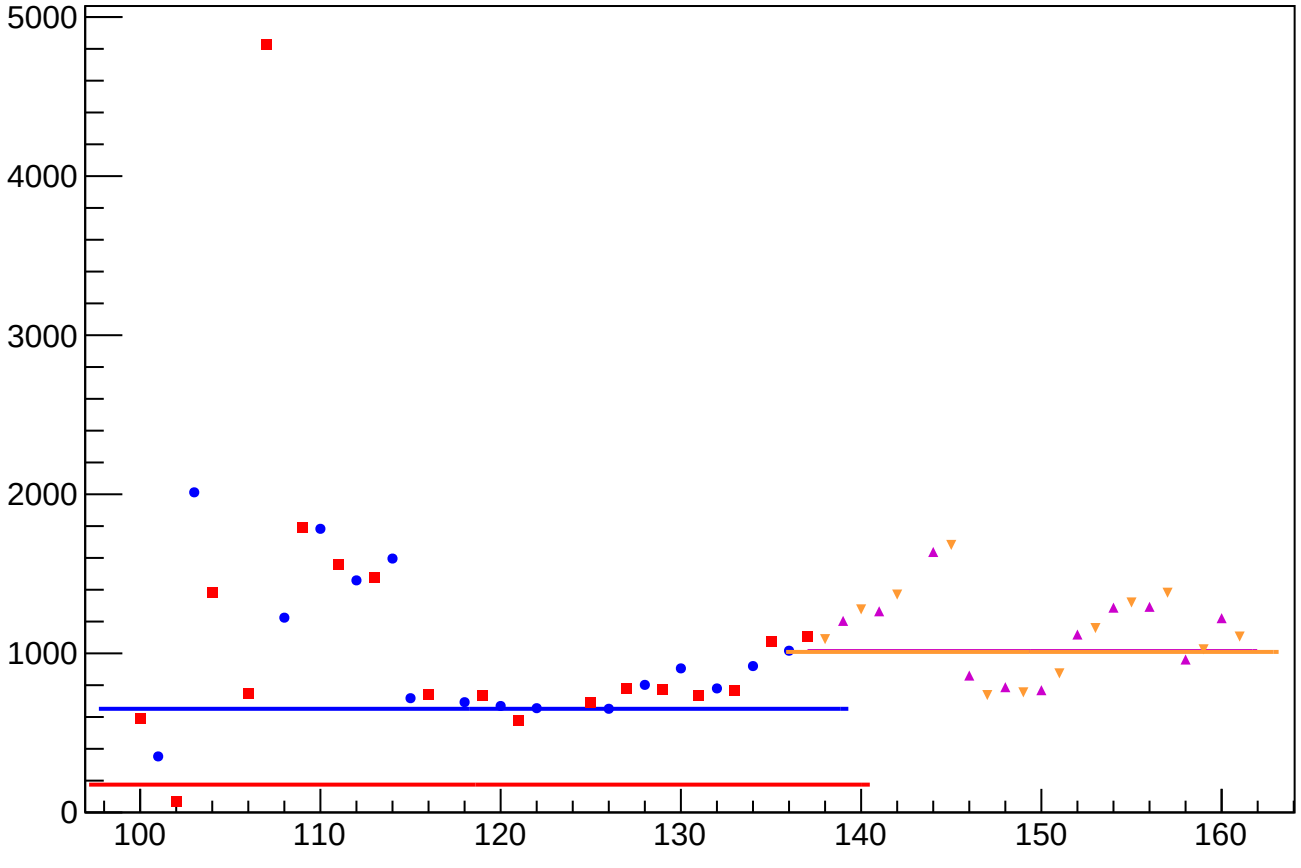
Left: -52.426+/-239.704 χ^2/NDF: 28.0/22

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -113.311+/-212.242 χ^2/NDF:25.5/26

Out: 1.635+/-119.504 χ^2/NDF:40.4/29

All: -26.034+/-104.132 χ^2/NDF: 66.1/56



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1009.180+/-0.240 χ^2/NDF:1091057.2/11

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1014.729+/-0.240 χ^2/NDF:965428.5/10

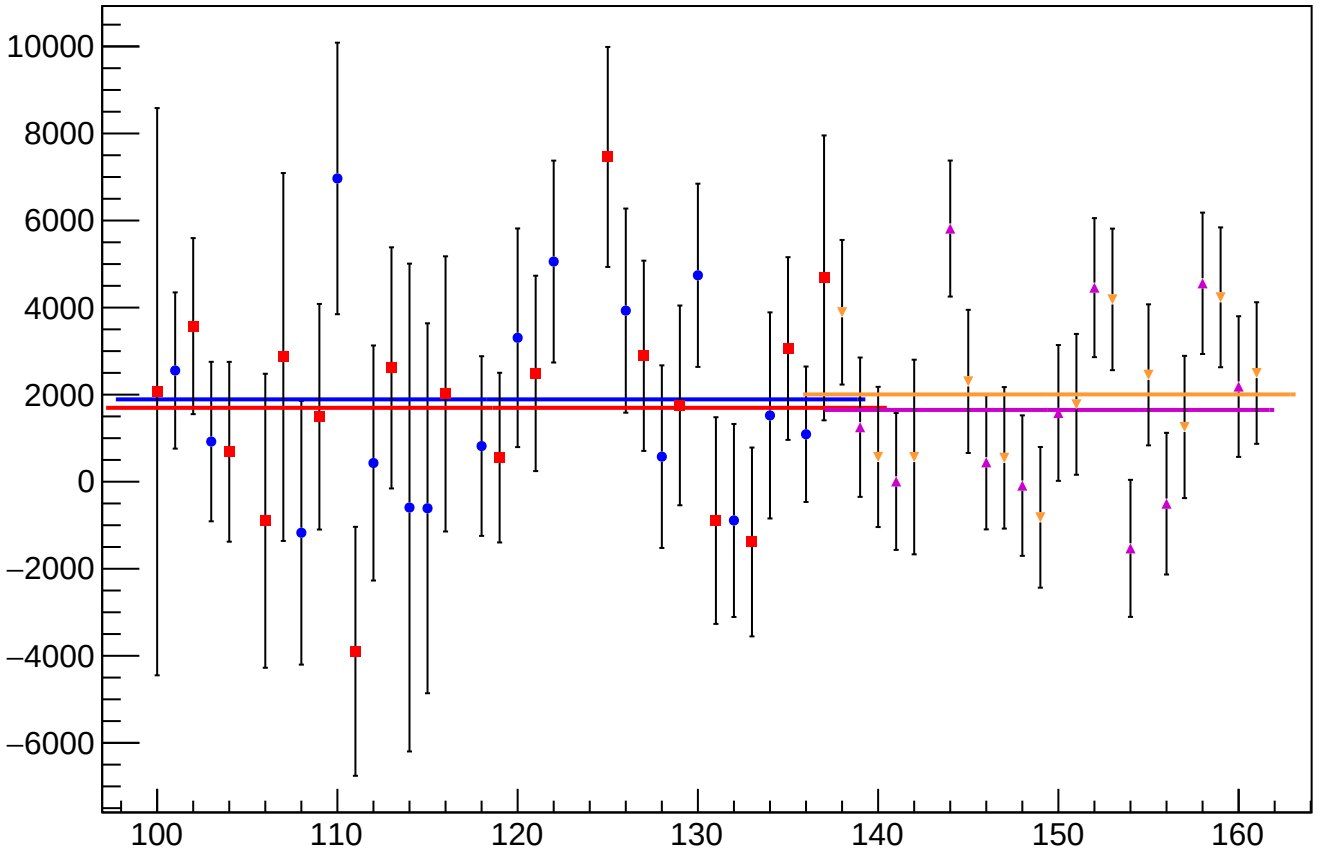
Left: 1011.955+/-0.169 χ^2/NDF: 2056753.7/22

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 793.923+/-0.150 χ^2/NDF:5124094.3/26

Out: 278.561+/-0.085 χ^2/NDF:21458960.7/29

All: 402.617+/-0.074 χ^2/NDF: 35536644.3/56



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.274+/-478.909 χ^2/NDF:10.5/11

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1648.449+/-479.178 χ^2/NDF:22.3/10

Left: 1826.962+/-338.735 χ^2/NDF: 33.1/22

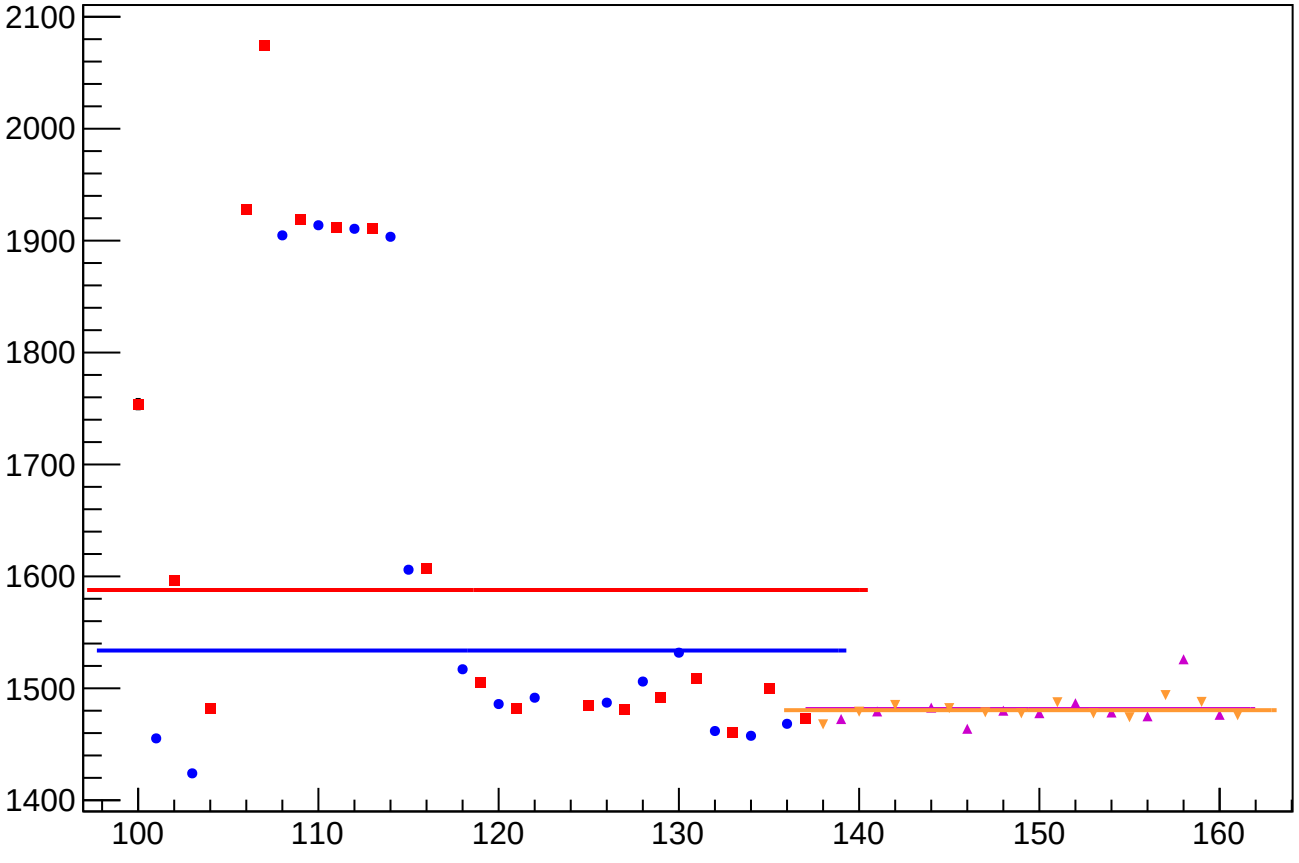
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1748.653+/-367.385 χ^2/NDF:34.6/26

Out: 1882.753+/-371.756 χ^2/NDF:26.8/29

All: 1814.910+/-261.312 χ^2/NDF: 61.5/56

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

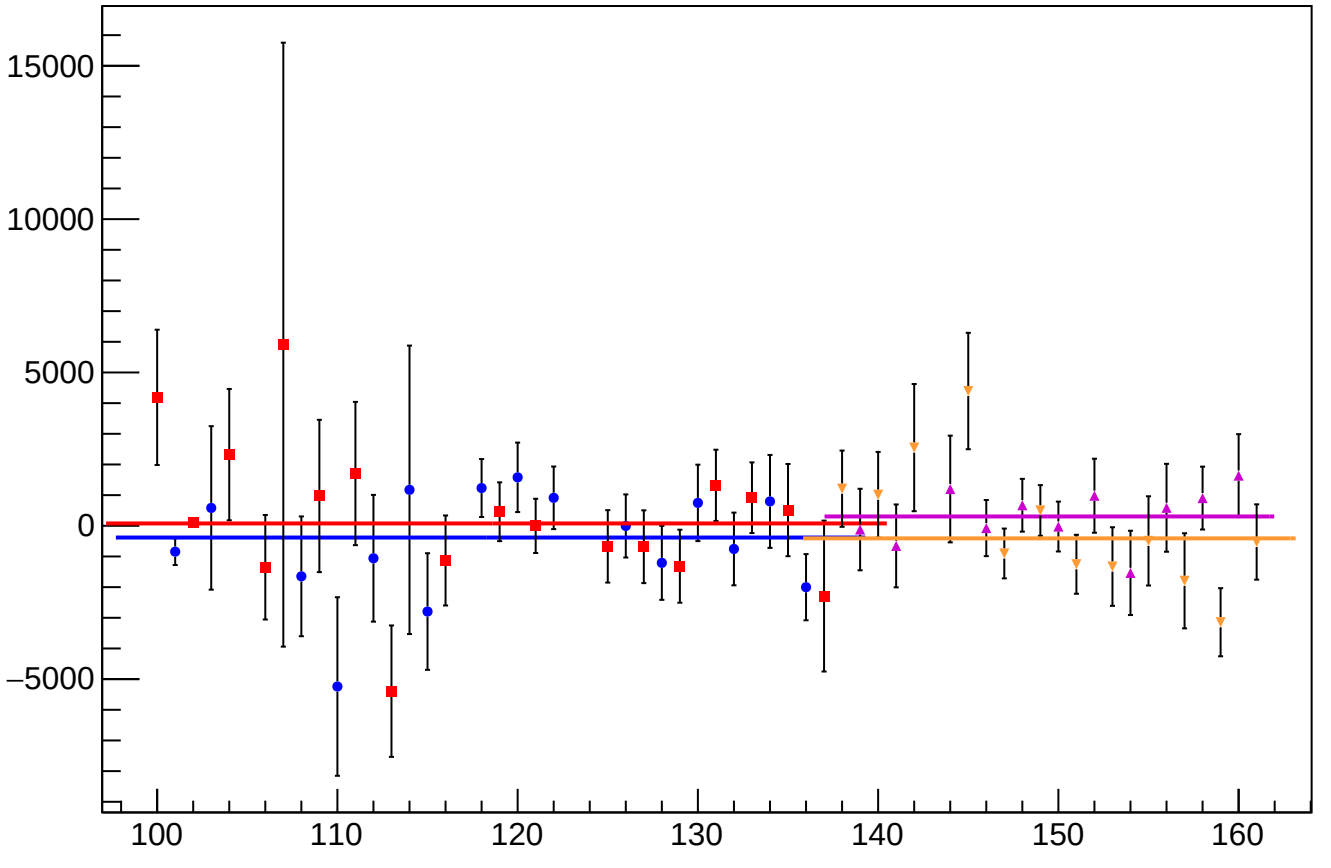
Left: 1480.977+/-0.240 χ^2/NDF: 2331.1/22

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1503.035+/-0.260 χ^2/NDF:141007.0/26

Out: 1523.144+/-0.263 χ^2/NDF:214130.1/29

All: 1512.971+/-0.185 χ^2/NDF: 358097.7/56



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.597+/-339.024 χ^2/NDF:20.9/11

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 304.615+/-338.963 χ^2/NDF:4.8/10

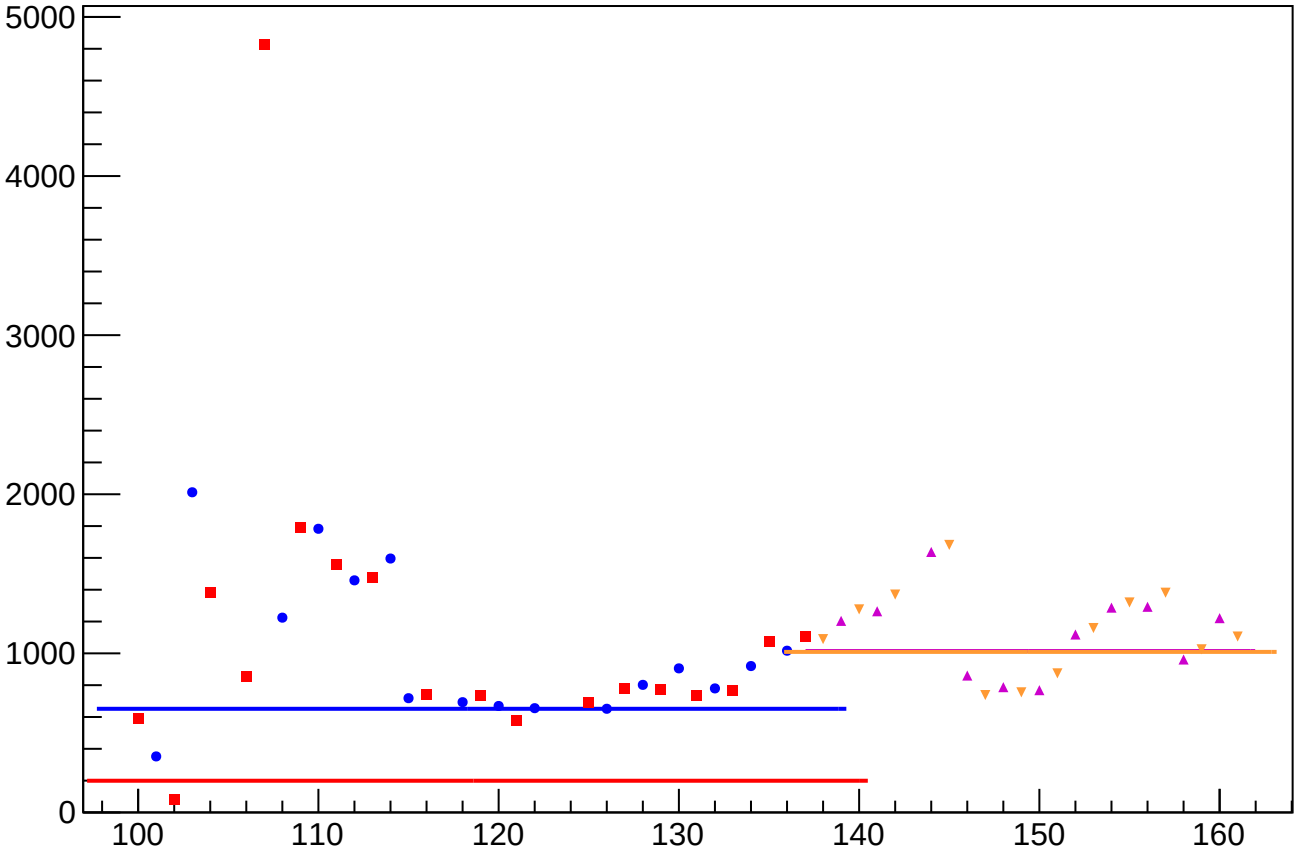
Left: -52.427+/-239.705 χ^2/NDF: 28.0/22

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.266+/-212.242 χ^2/NDF:25.5/26

Out: 7.507+/-127.926 χ^2/NDF:41.2/29

All: -24.677+/-109.563 χ^2/NDF: 66.9/56



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1009.190+/-0.240 χ^2/NDF:1091050.8/11

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

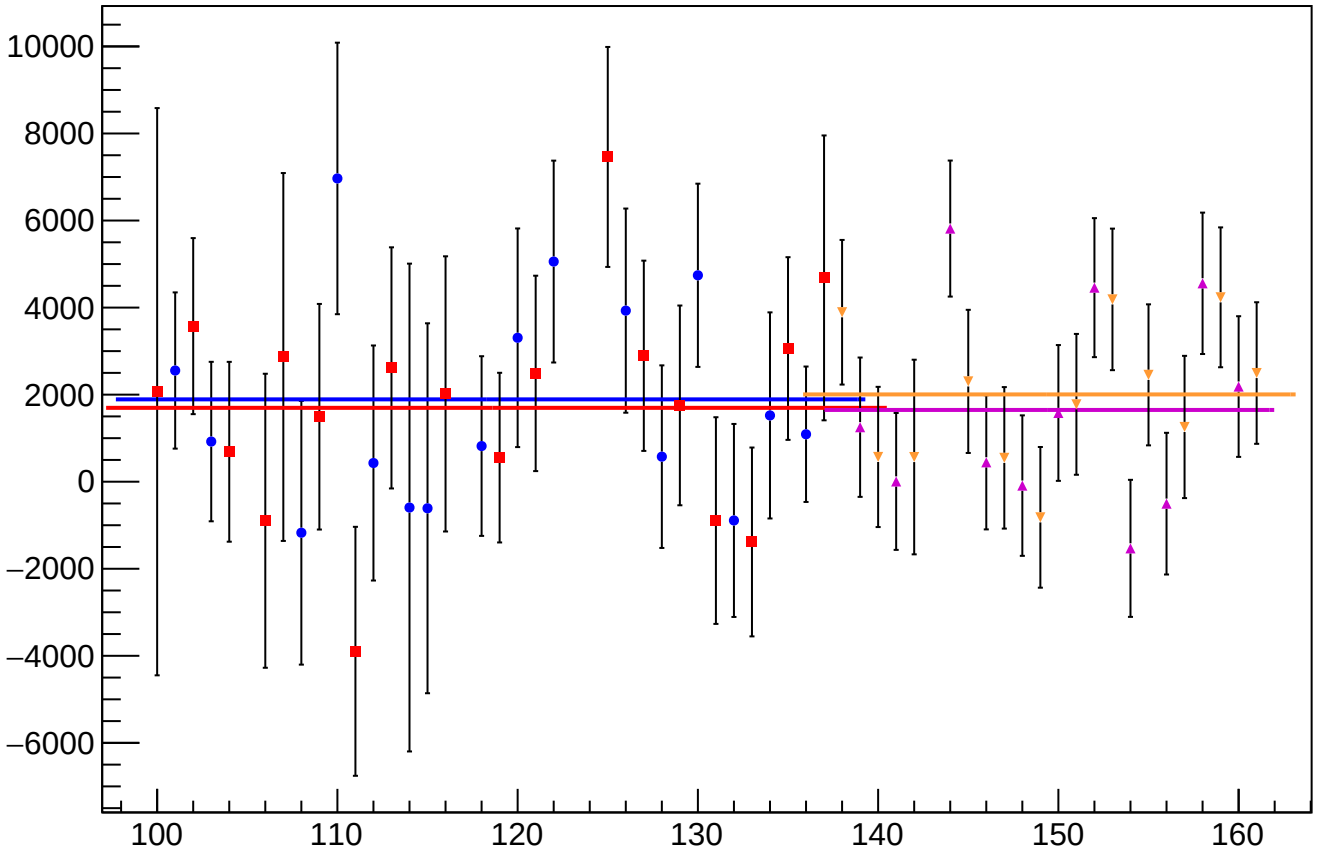
Left: 1011.960+/-0.169 χ^2/NDF: 2056822.3/22

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.922+/-0.150 χ^2/NDF:5124203.6/26

Out: 314.651+/-0.090 χ^2/NDF:20163250.7/29

All: 442.367+/-0.077 χ^2/NDF: 32768146.7/56



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.274+/-478.909 χ^2/NDF:10.5/11

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1648.449+/-479.178 χ^2/NDF:22.3/10

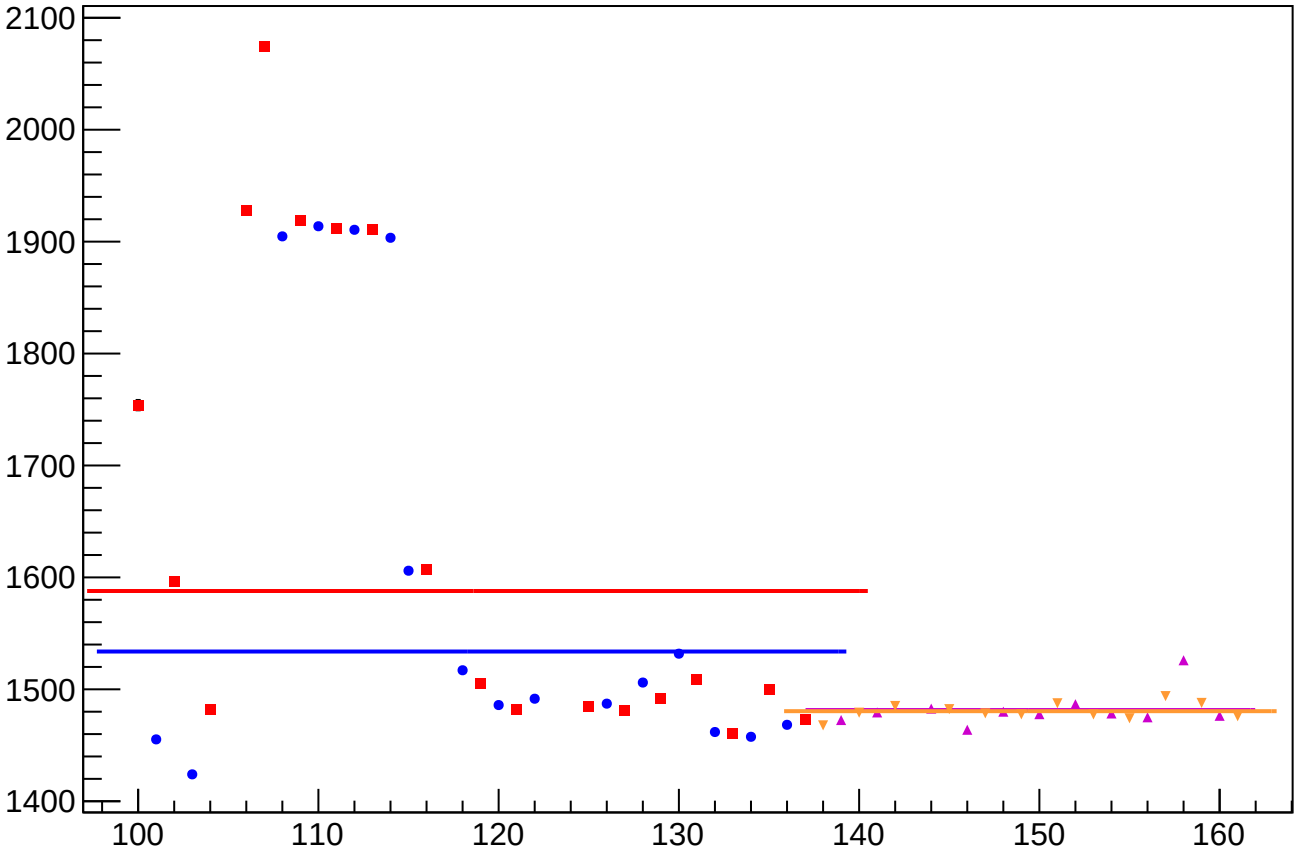
Left: 1826.962+/-338.735 χ^2/NDF: 33.1/22

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1748.653+/-367.385 χ^2/NDF:34.6/26

Out: 1882.753+/-371.756 χ^2/NDF:26.8/29

All: 1814.910+/-261.312 χ^2/NDF: 61.5/56



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

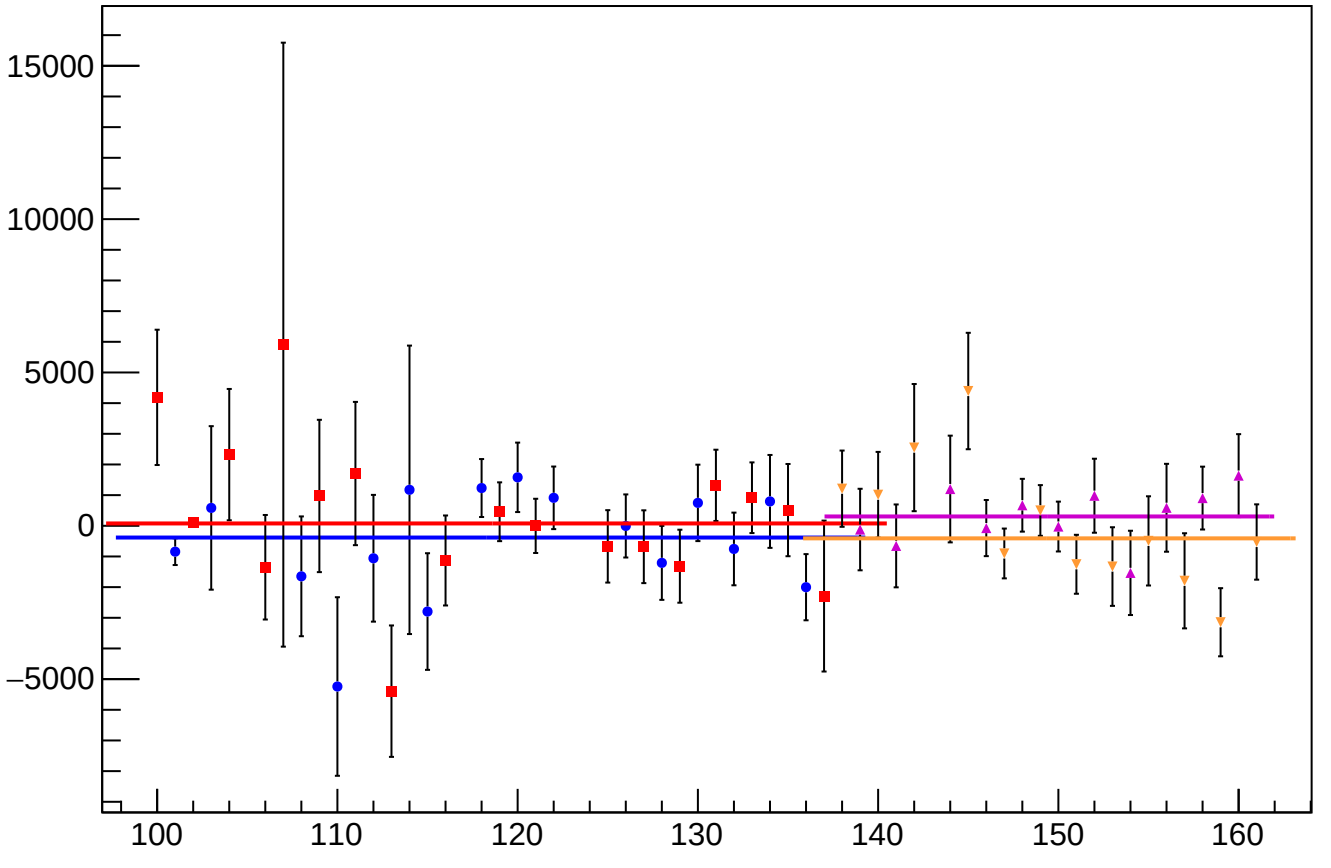
Left: 1480.977+/-0.240 χ^2/NDF: 2331.1/22

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1503.035+/-0.260 χ^2/NDF:141007.0/26

Out: 1523.144+/-0.263 χ^2/NDF:214130.1/29

All: 1512.971+/-0.185 χ^2/NDF: 358097.7/56



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.597+/-339.024 χ^2/NDF:20.9/11

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 304.615+/-338.963 χ^2/NDF:4.8/10

Left: -52.427+/-239.705 χ^2/NDF: 28.0/22

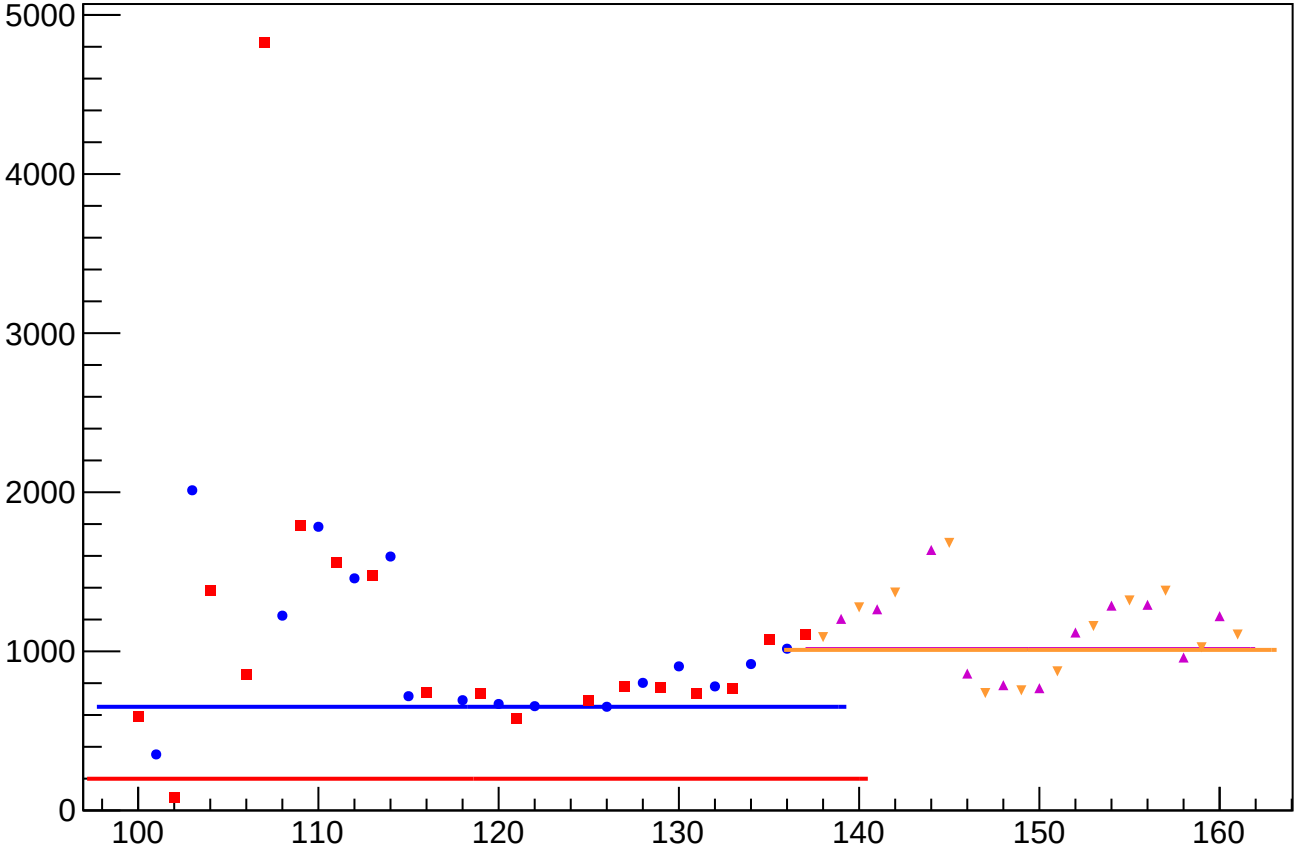
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.266+/-212.242 χ^2/NDF:25.5/26

Out: 7.507+/-127.926 χ^2/NDF:41.2/29

All: -24.677+/-109.563 χ^2/NDF: 66.9/56

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1009.190+/-0.240 χ^2/NDF:1091050.8/11

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

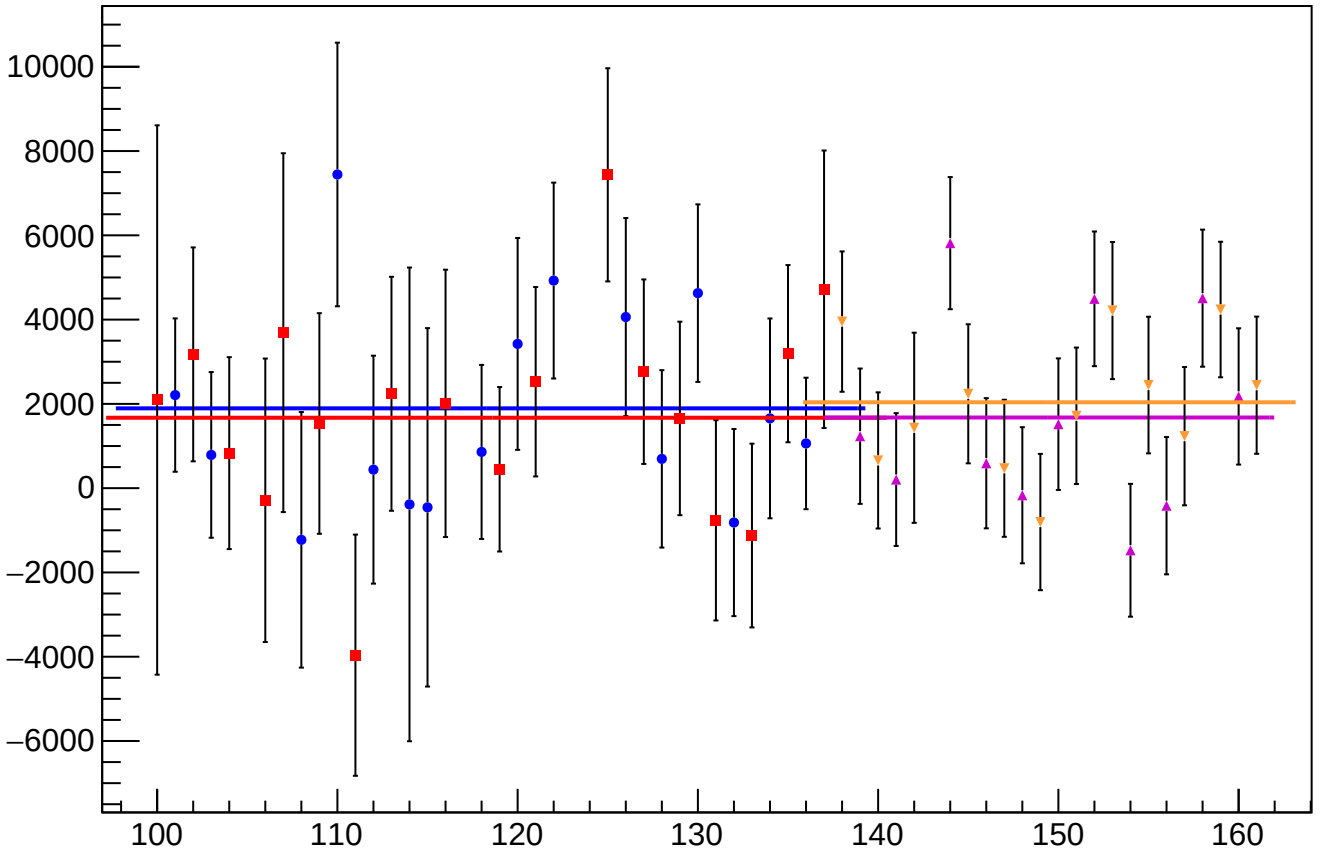
Left: 1011.960+/-0.169 χ^2/NDF: 2056822.3/22

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 793.922+/-0.150 χ^2/NDF:5124203.6/26

Out: 314.651+/-0.090 χ^2/NDF:20163250.7/29

All: 442.367+/-0.077 χ^2/NDF: 32768146.7/56



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2037.872+/-479.862 χ^2/NDF:10.2/11

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1676.350+/-479.911 χ^2/NDF:21.6/10

Left: 1857.129+/-339.331 χ^2/NDF: 32.1/22

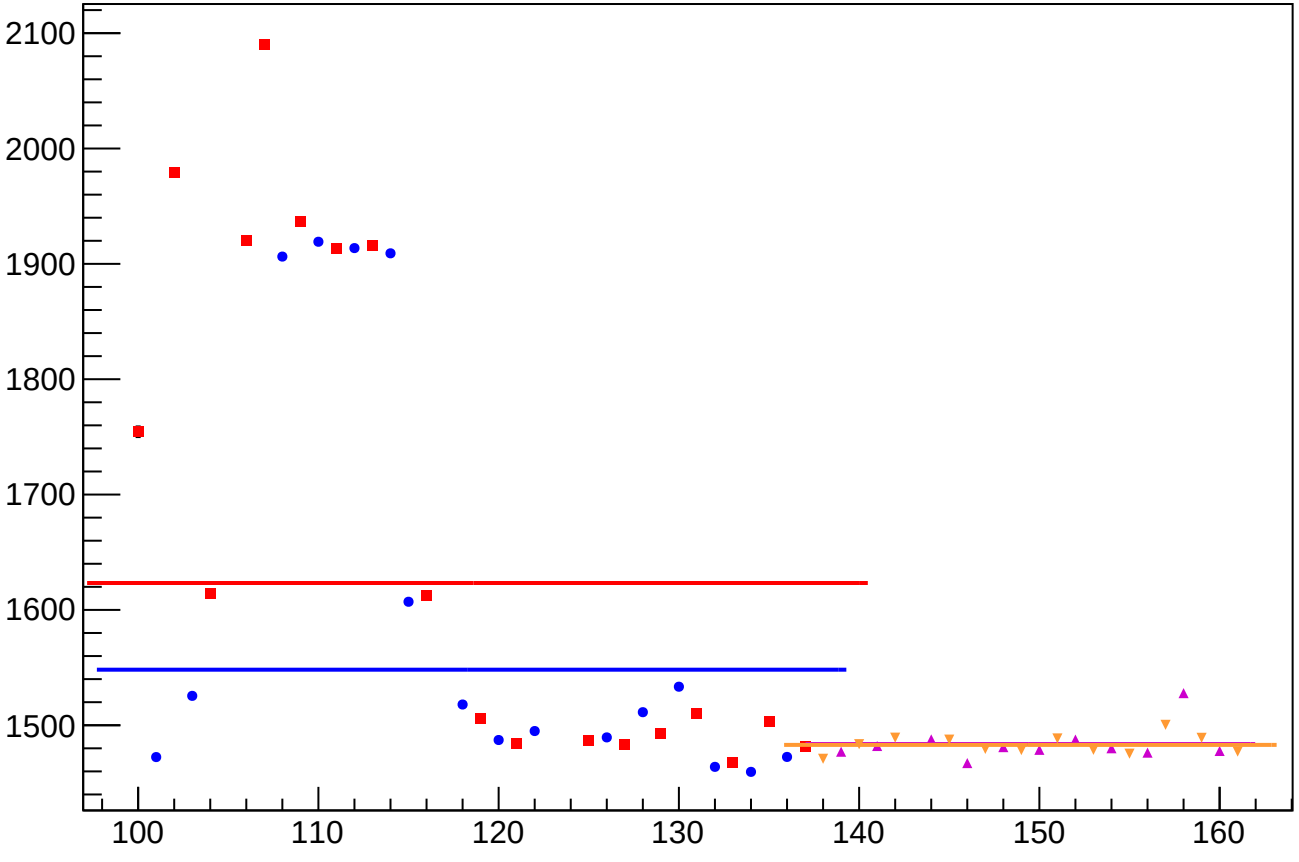
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1765.304+/-369.132 χ^2/NDF:34.0/26

Out: 1896.126+/-375.921 χ^2/NDF:25.5/29

All: 1829.523+/-263.383 χ^2/NDF: 59.5/56

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.979+/-0.339 χ^2/NDF:521.6/11

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

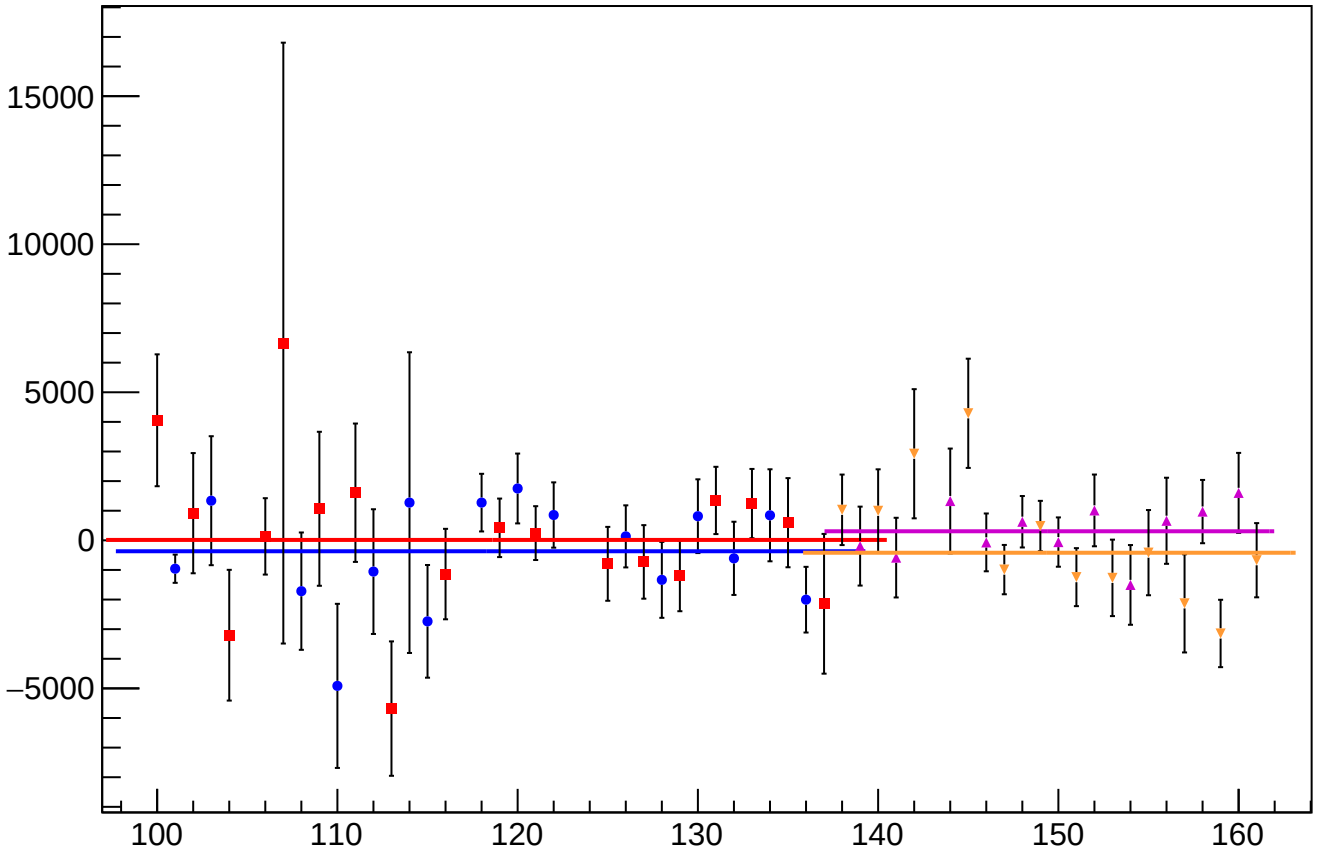
Left: 1483.352+/-0.240 χ^2/NDF: 2392.6/22

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1510.044+/-0.261 χ^2/NDF:136504.0/26

Out: 1537.196+/-0.266 χ^2/NDF:278147.8/29

All: 1523.373+/-0.186 χ^2/NDF: 419963.4/56



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -419.184+/-344.218 χ^2/NDF:20.9/11

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 306.021+/-345.424 χ^2/NDF:4.9/10

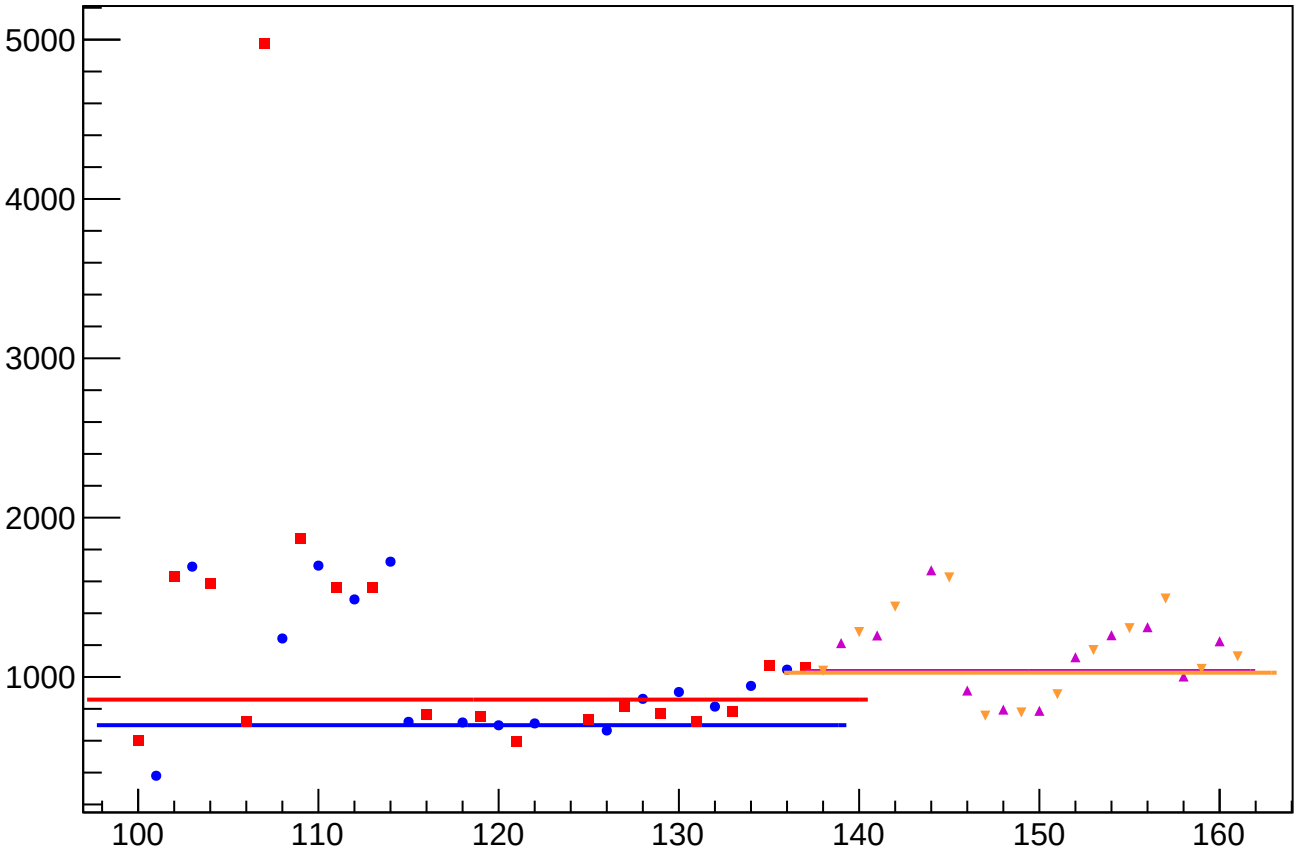
Left: -57.849+/-243.824 χ^2/NDF: 28.1/22

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -93.629+/-220.555 χ^2/NDF:26.1/26

Out: -201.055+/-242.457 χ^2/NDF:40.8/29

All: -142.272+/-163.151 χ^2/NDF: 67.0/56



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1026.951+/-0.243 χ^2/NDF:1040161.4/11

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1037.476+/-0.244 χ^2/NDF:888699.2/10

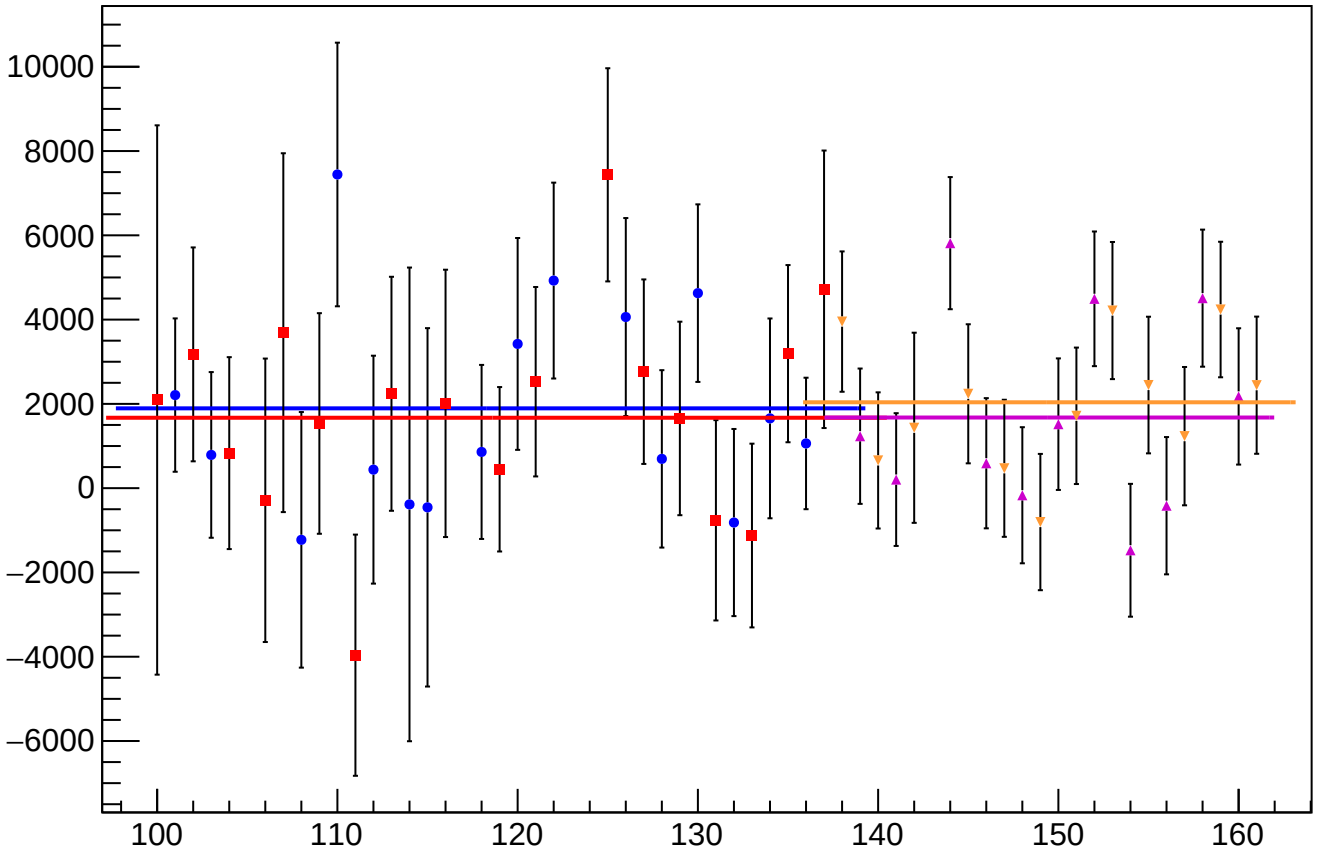
Left: 1032.195+/-0.172 χ^2/NDF: 1929792.2/22

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 836.114+/-0.156 χ^2/NDF:4471738.5/26

Out: 941.871+/-0.171 χ^2/NDF:3164821.8/29

All: 884.001+/-0.115 χ^2/NDF: 7844781.2/56



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2037.869+/-479.862 χ^2/NDF:10.2/11

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1676.352+/-479.911 χ^2/NDF:21.6/10

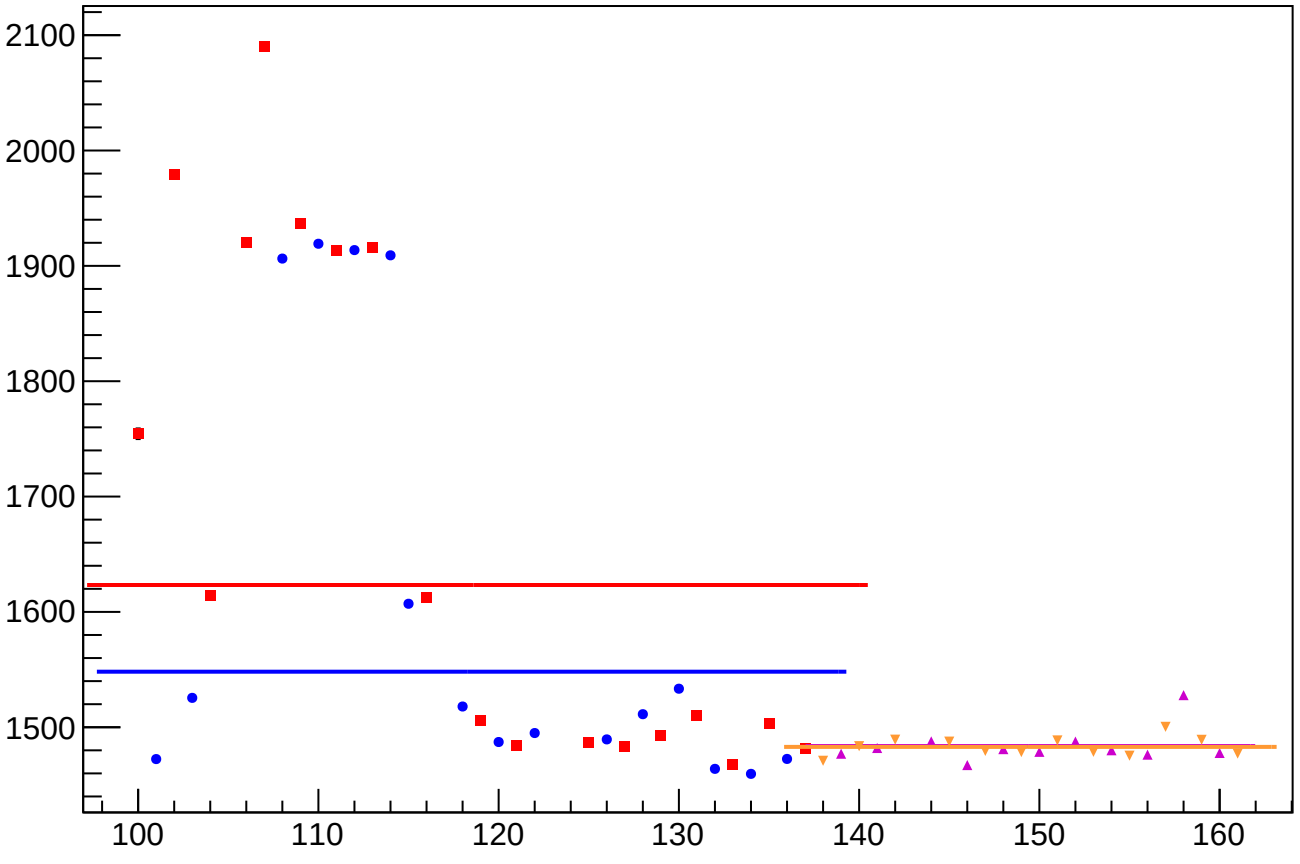
Left: 1857.129+/-339.331 χ^2/NDF: 32.1/22

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1765.304+/-369.132 χ^2/NDF:34.0/26

Out: 1896.124+/-375.921 χ^2/NDF:25.5/29

All: 1829.522+/-263.383 χ^2/NDF: 59.5/56



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.979+/-0.339 χ^2/NDF:521.6/11

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

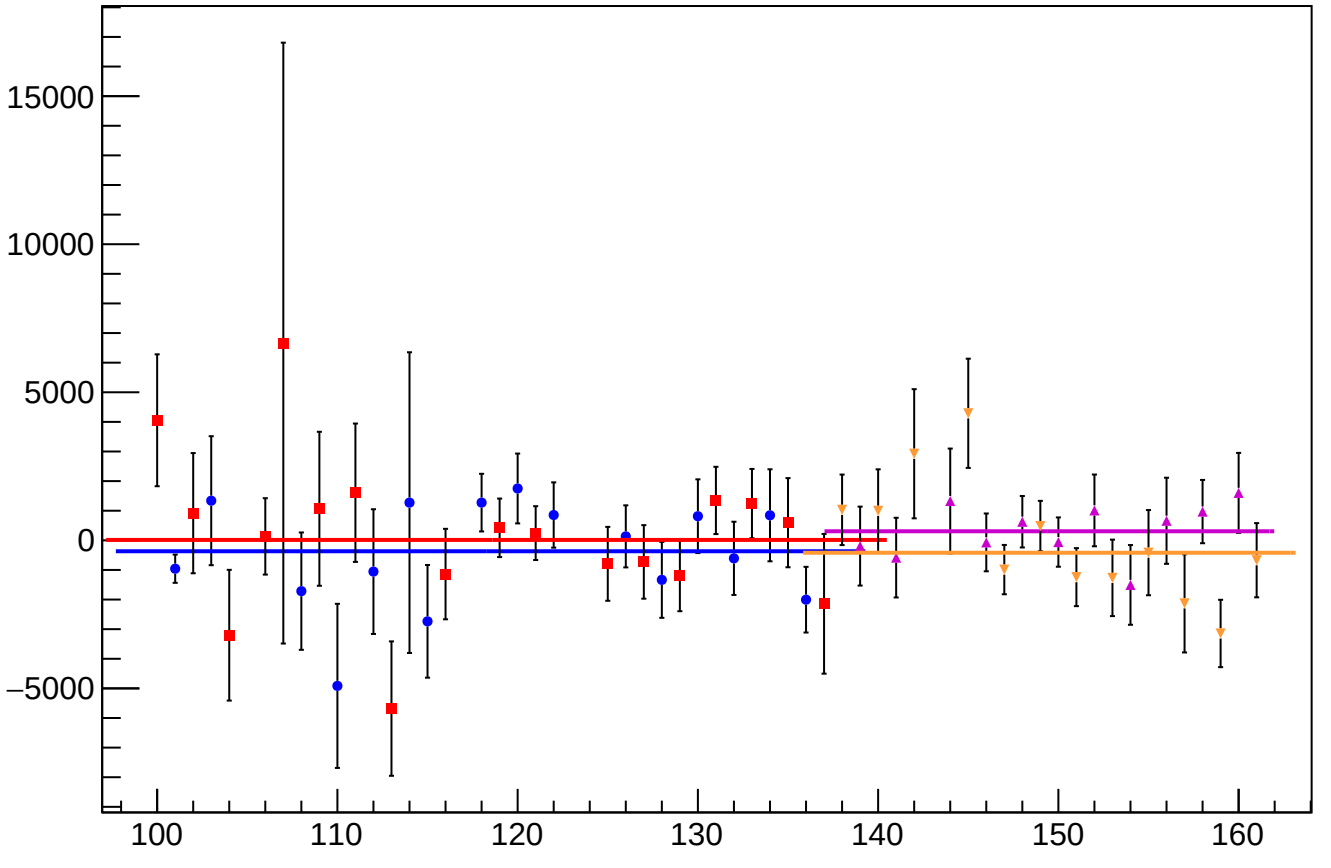
Left: 1483.352+/-0.240 χ^2/NDF: 2392.6/22

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1510.044+/-0.261 χ^2/NDF:136504.0/26

Out: 1537.195+/-0.266 χ^2/NDF:278147.4/29

All: 1523.373+/-0.186 χ^2/NDF: 419962.9/56



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -419.187+/-344.219 χ^2/NDF:20.9/11

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 306.022+/-345.424 χ^2/NDF:4.9/10

Left: -57.850+/-243.825 χ^2/NDF: 28.1/22

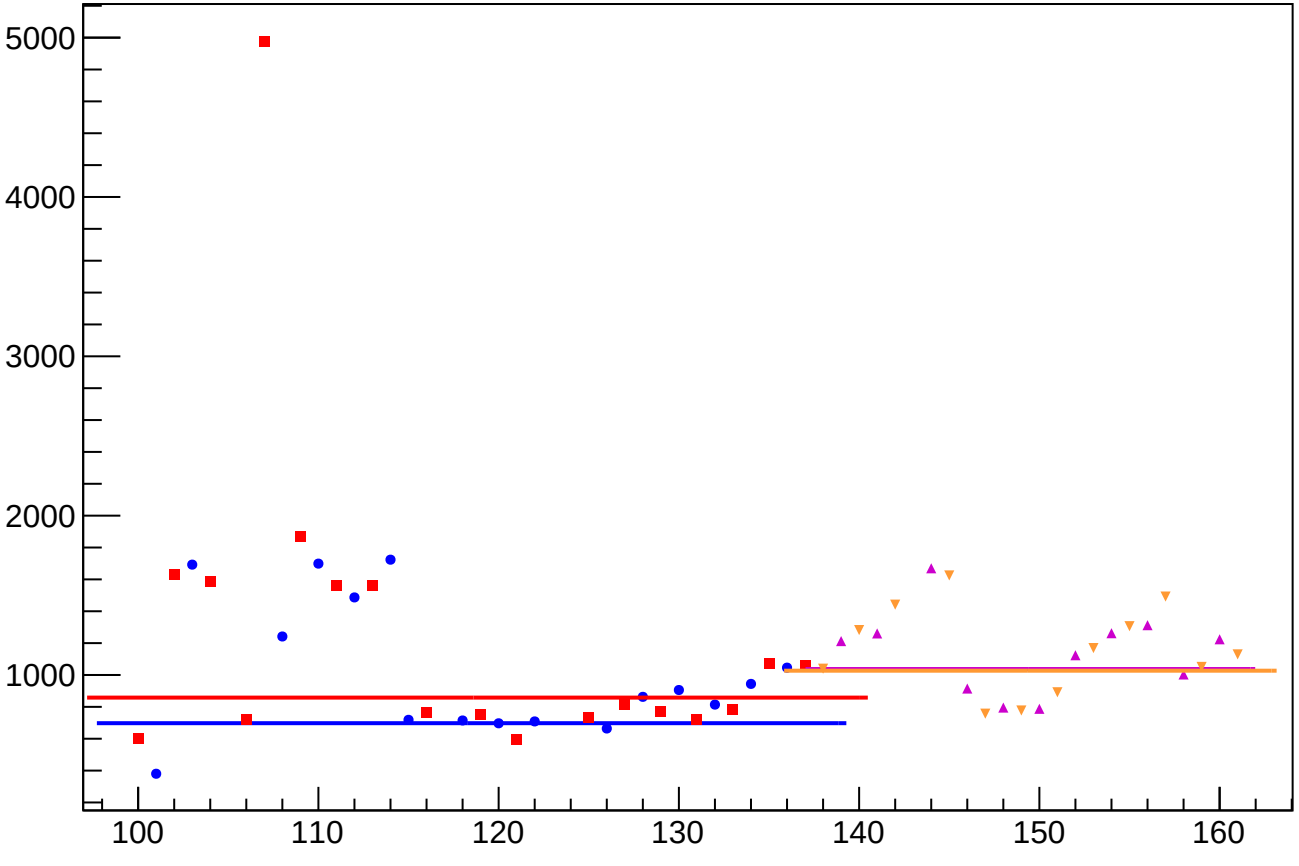
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -93.629+/-220.555 χ^2/NDF:26.1/26

Out: -201.055+/-242.457 χ^2/NDF:40.8/29

All: -142.272+/-163.151 χ^2/NDF: 67.0/56

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: 1026.952+/-0.243 χ^2/NDF:1040159.1/11

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1037.477+/-0.244 χ^2/NDF:888696.0/10

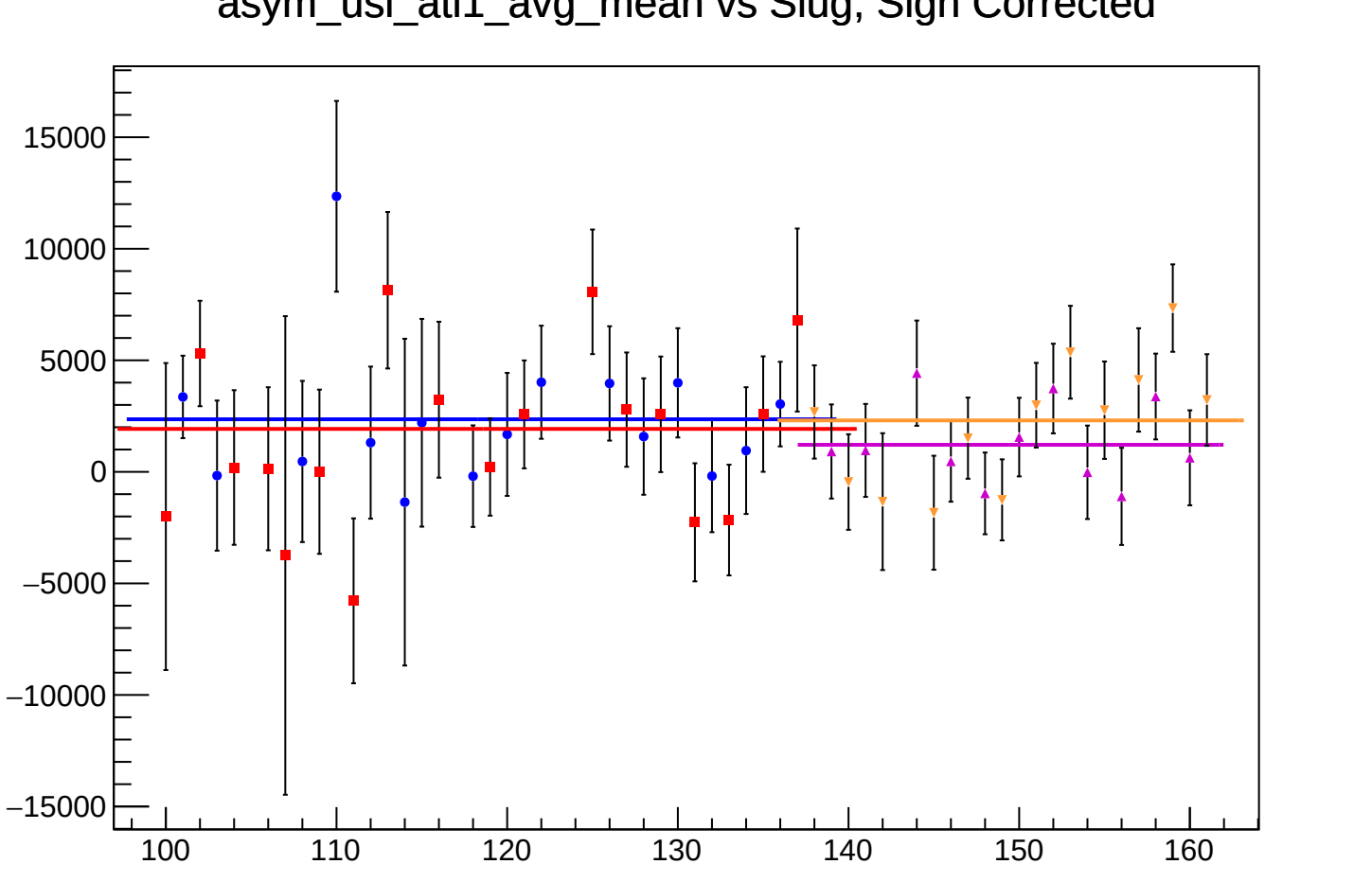
Left: 1032.197+/-0.172 χ^2/NDF: 1929786.7/22

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 836.114+/-0.156 χ^2/NDF:4471738.1/26

Out: 941.870+/-0.171 χ^2/NDF:3164838.6/29

All: 884.001+/-0.115 χ^2/NDF: 7844794.8/56



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2306.255+/-607.003 χ^2/NDF:19.5/11

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1212.379+/-604.245 χ^2/NDF:7.9/10

Left: 1756.826+/-428.237 χ^2/NDF: 29.0/22

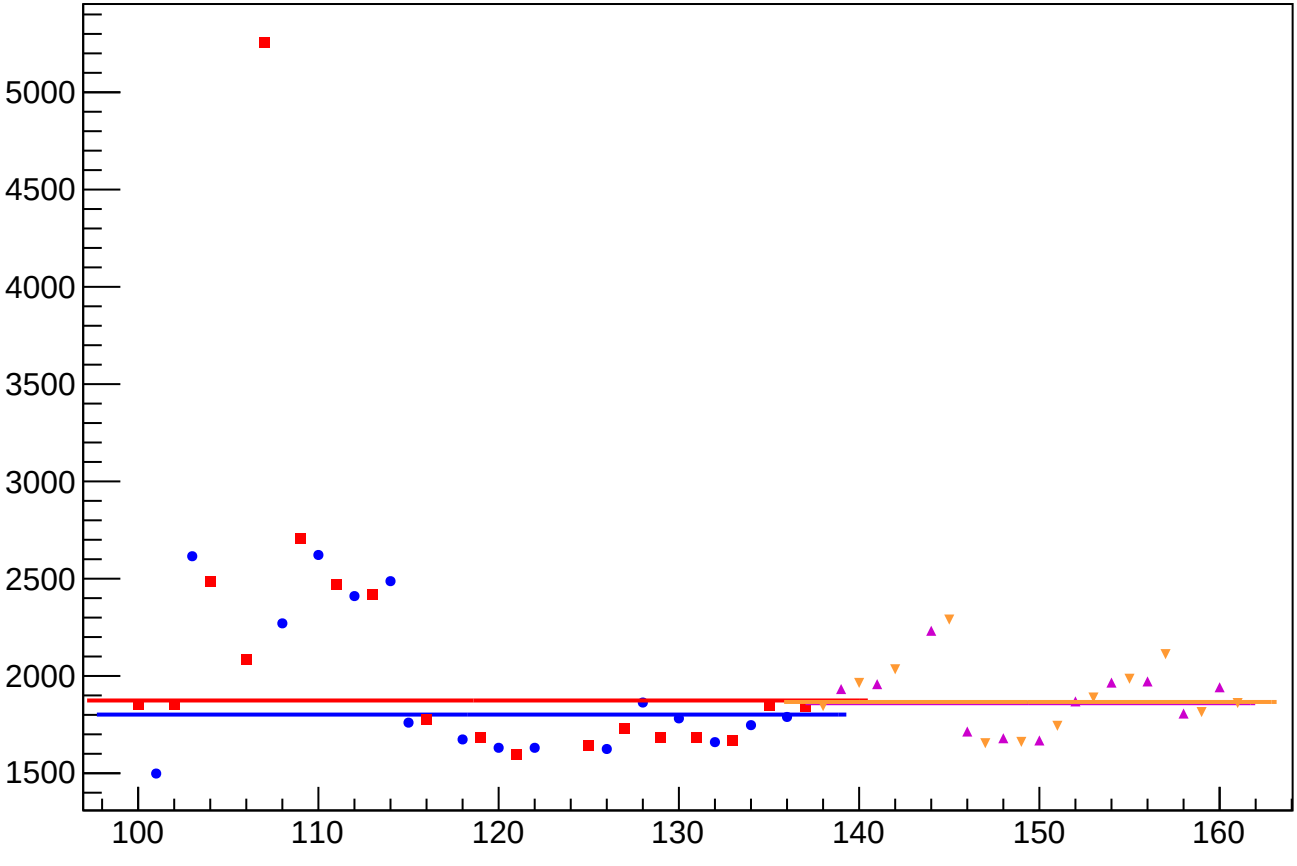
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1718.281+/-451.374 χ^2/NDF:20.5/26

Out: 2144.350+/-460.495 χ^2/NDF:43.1/29

All: 1927.054+/-322.346 χ^2/NDF: 64.1/56

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.366+/-0.429 χ^2/NDF:156574.9/11

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1859.922+/-0.427 χ^2/NDF:127511.4/10

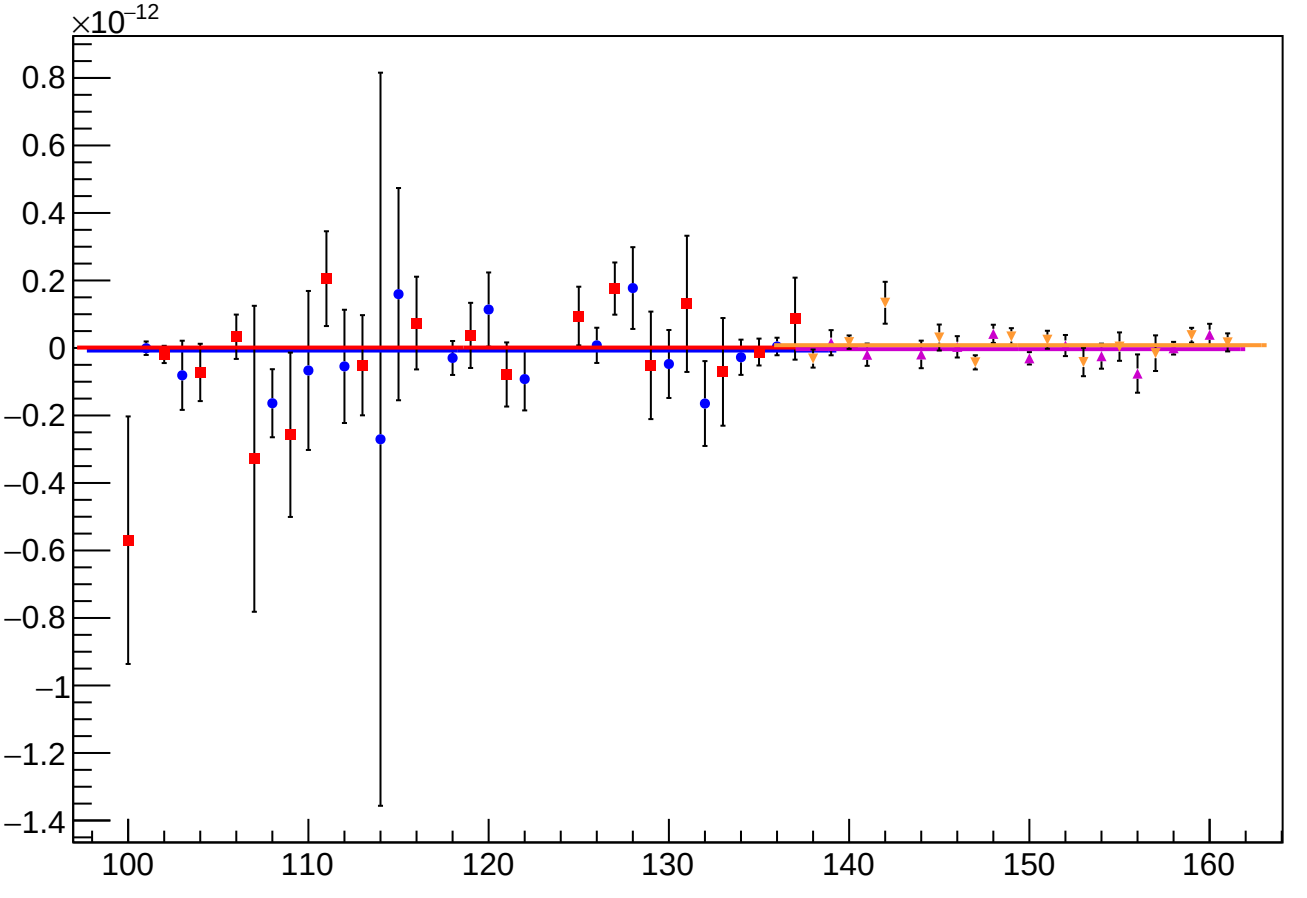
Left: 1863.129+/-0.303 χ^2/NDF: 284199.5/22

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1834.113+/-0.319 χ^2/NDF:536469.3/26

Out: 1869.596+/-0.326 χ^2/NDF:726617.3/29

All: 1851.500+/-0.228 χ^2/NDF: 1269142.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

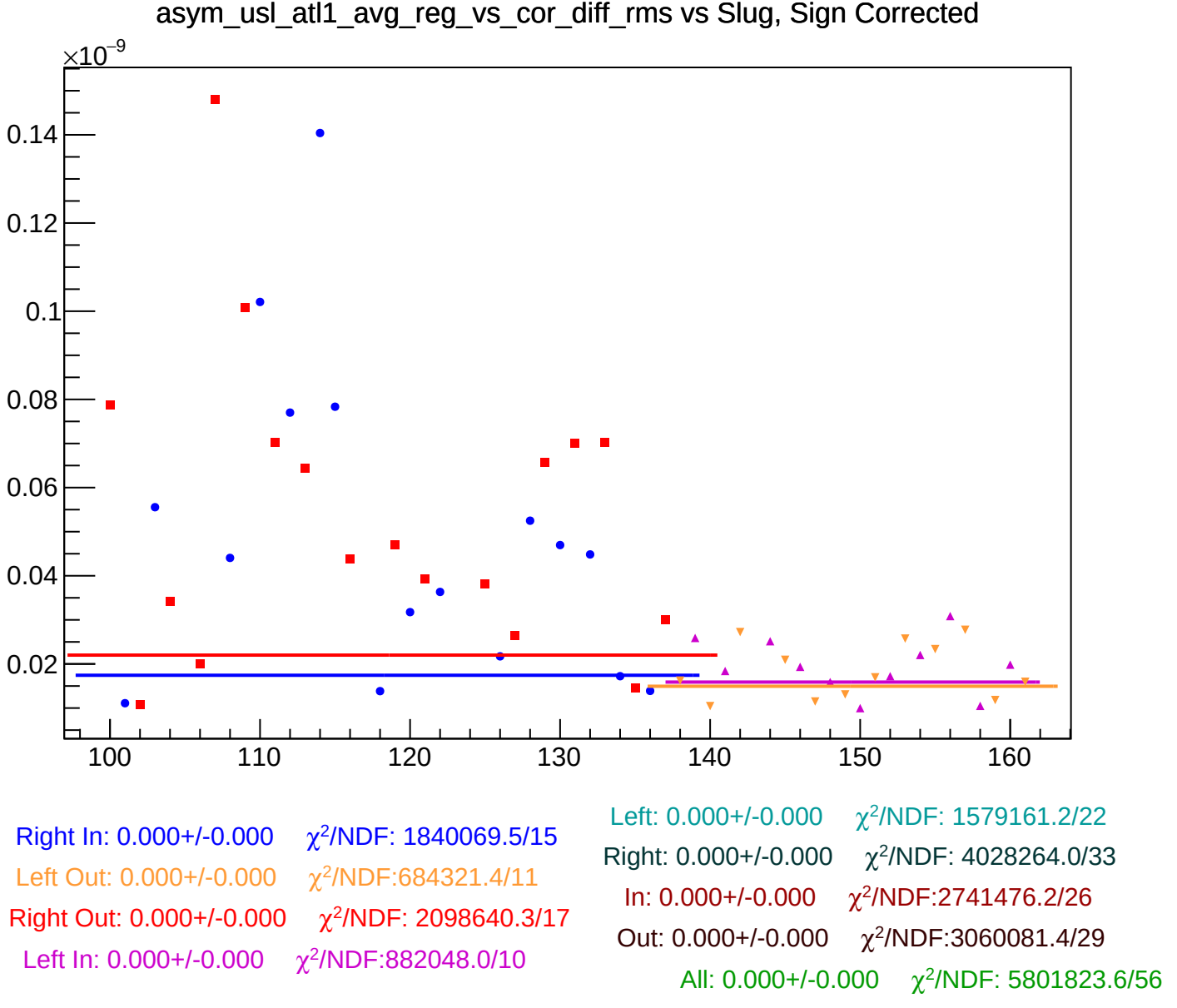
Left: 0.000+/-0.000 χ^2/NDF: 28.2/22

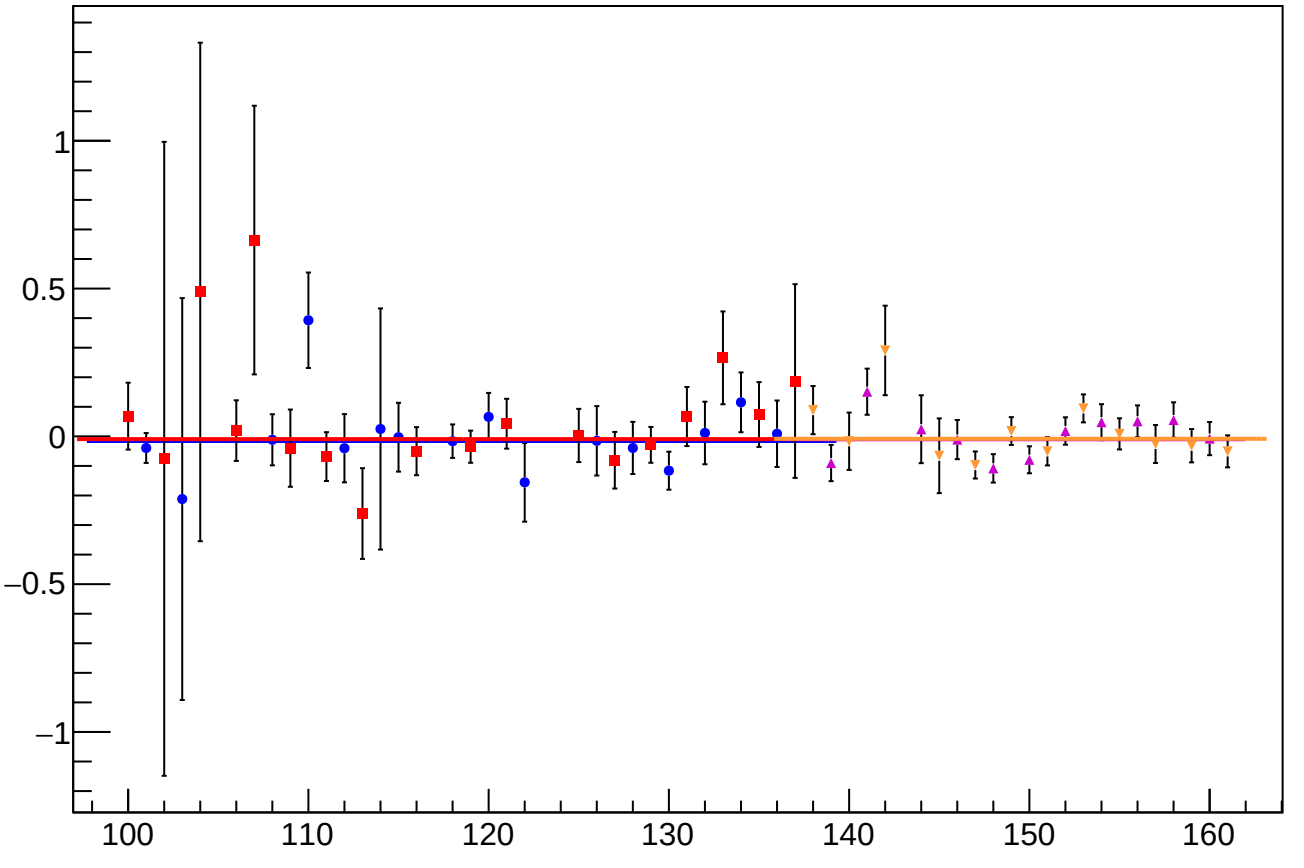
Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:19.8/26

Out: 0.000+/-0.000 χ^2/NDF:34.5/29

All: 0.000+/-0.000 χ^2/NDF: 55.6/56


asym_usl_atl1_avg_reg_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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:684321.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:882048.0/10
Left: 0.000+/-0.000 χ²/NDF: 1579161.2/22
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:2741476.2/26
Out: 0.000+/-0.000 χ²/NDF:3060081.4/29
All: 0.000+/-0.000 χ²/NDF: 5801823.6/56



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.017 χ^2/NDF:16.3/10

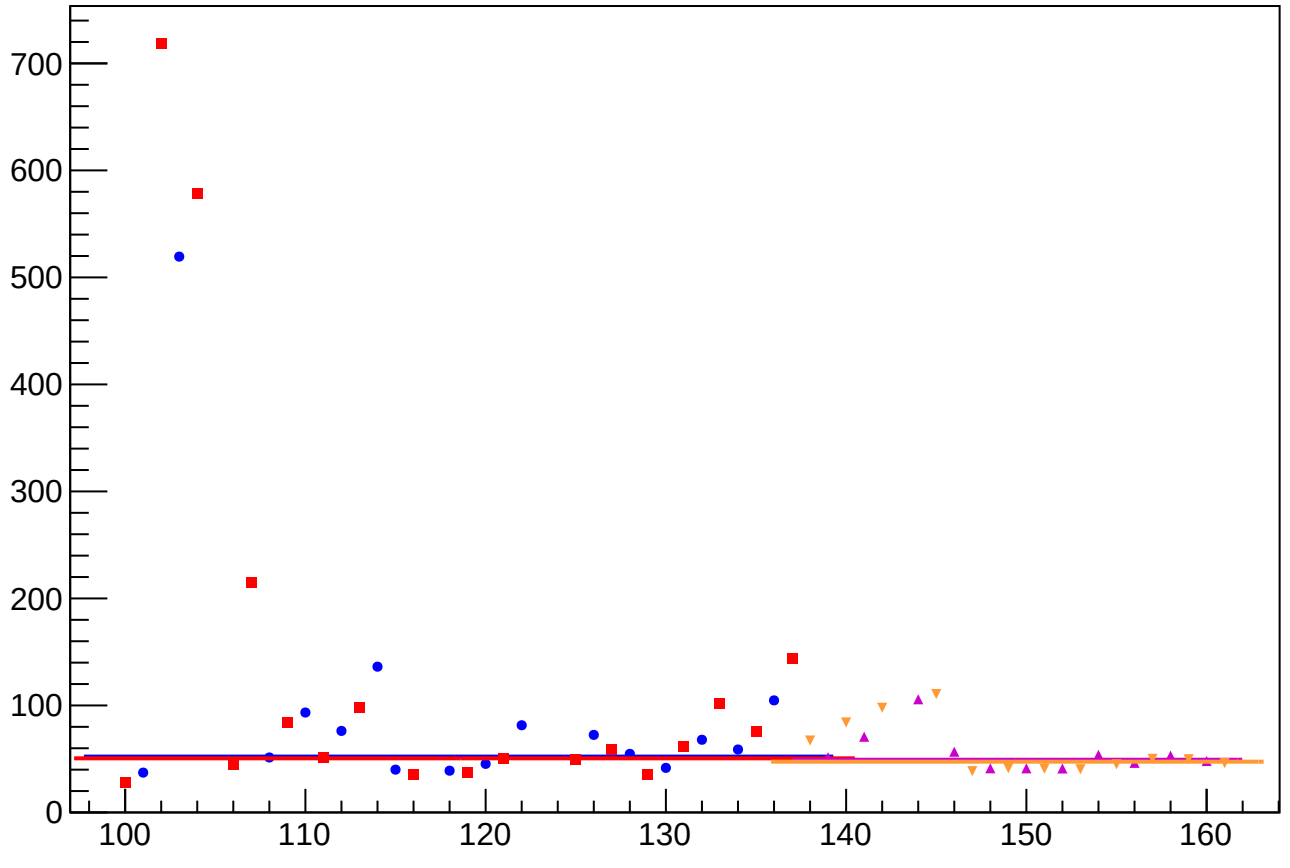
Left: -0.009+/-0.012 χ^2/NDF: 32.3/22

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.009+/-0.014 χ^2/NDF:28.5/29

All: -0.010+/-0.010 χ^2/NDF: 58.1/56



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.446+/-0.012 χ^2/NDF:1328064.9/11

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

Left: 48.343+/-0.009 χ^2/NDF: 2209245.0/22

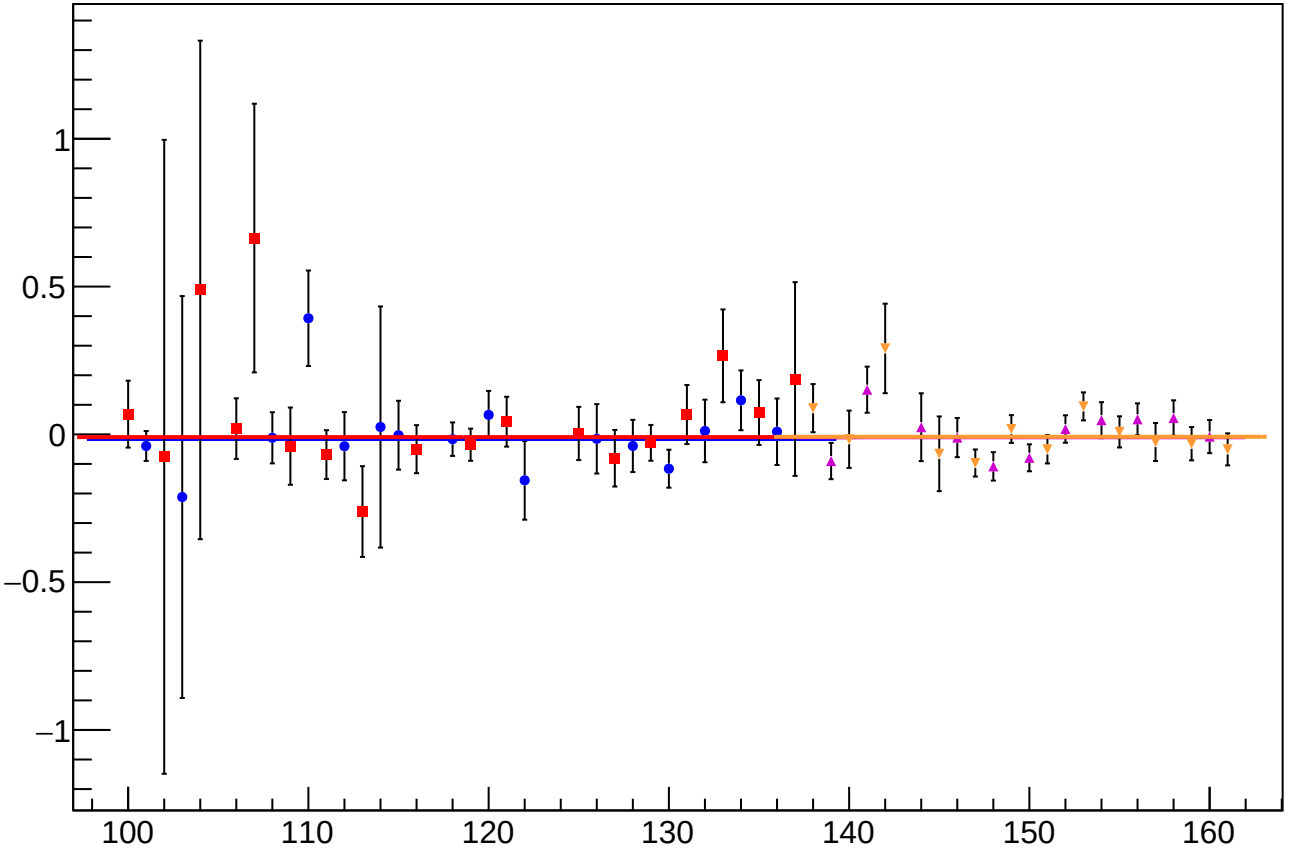
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.350+/-0.010 χ^2/NDF:3157833.8/26

Out: 48.523+/-0.010 χ^2/NDF:4402635.3/29

All: 49.440+/-0.007 χ^2/NDF: 7578011.1/56

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.017 χ^2/NDF:16.3/10

Left: -0.009+/-0.012 χ^2/NDF: 32.3/22

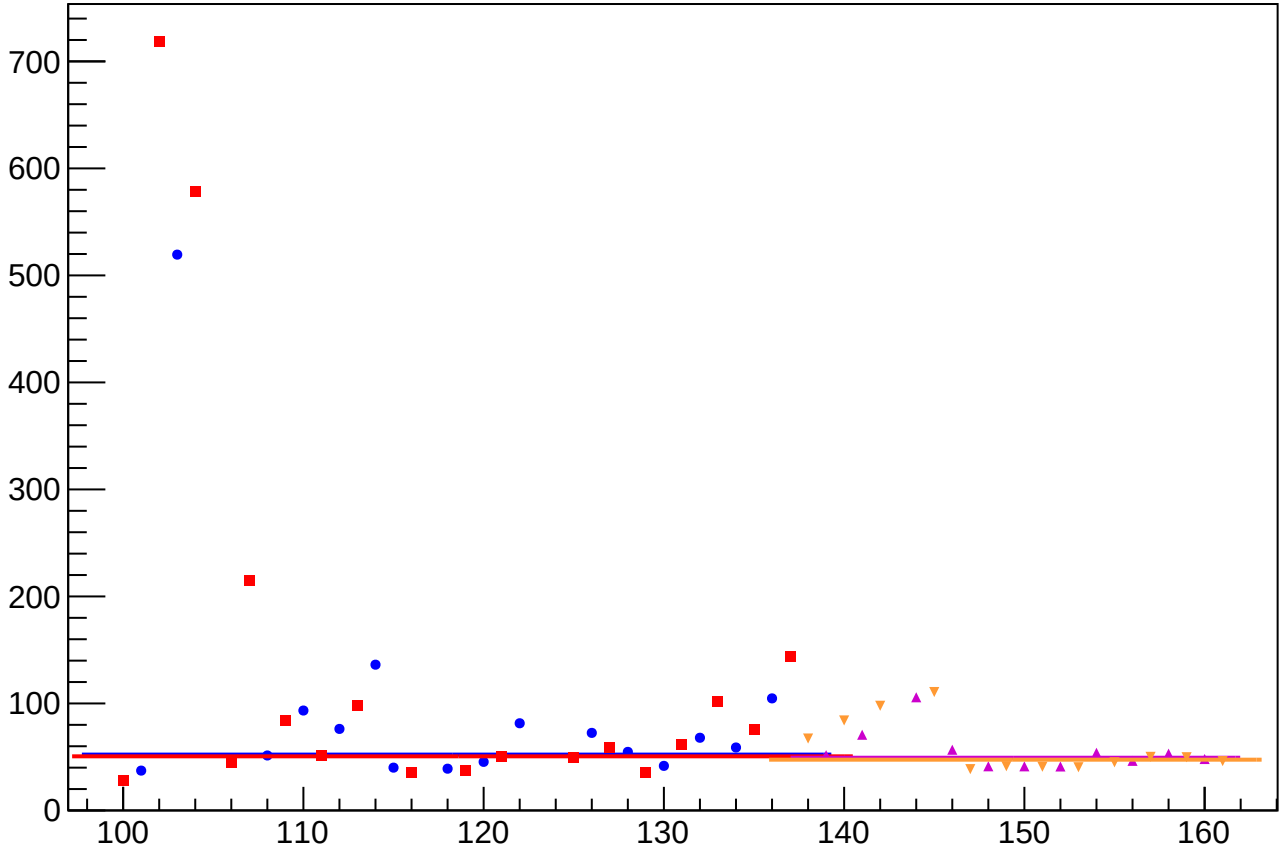
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.009+/-0.014 χ^2/NDF:28.5/29

All: -0.010+/-0.010 χ^2/NDF: 58.1/56

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.446+/-0.012 χ^2/NDF:1328064.9/11

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

Left: 48.343+/-0.009 χ^2/NDF: 2209245.0/22

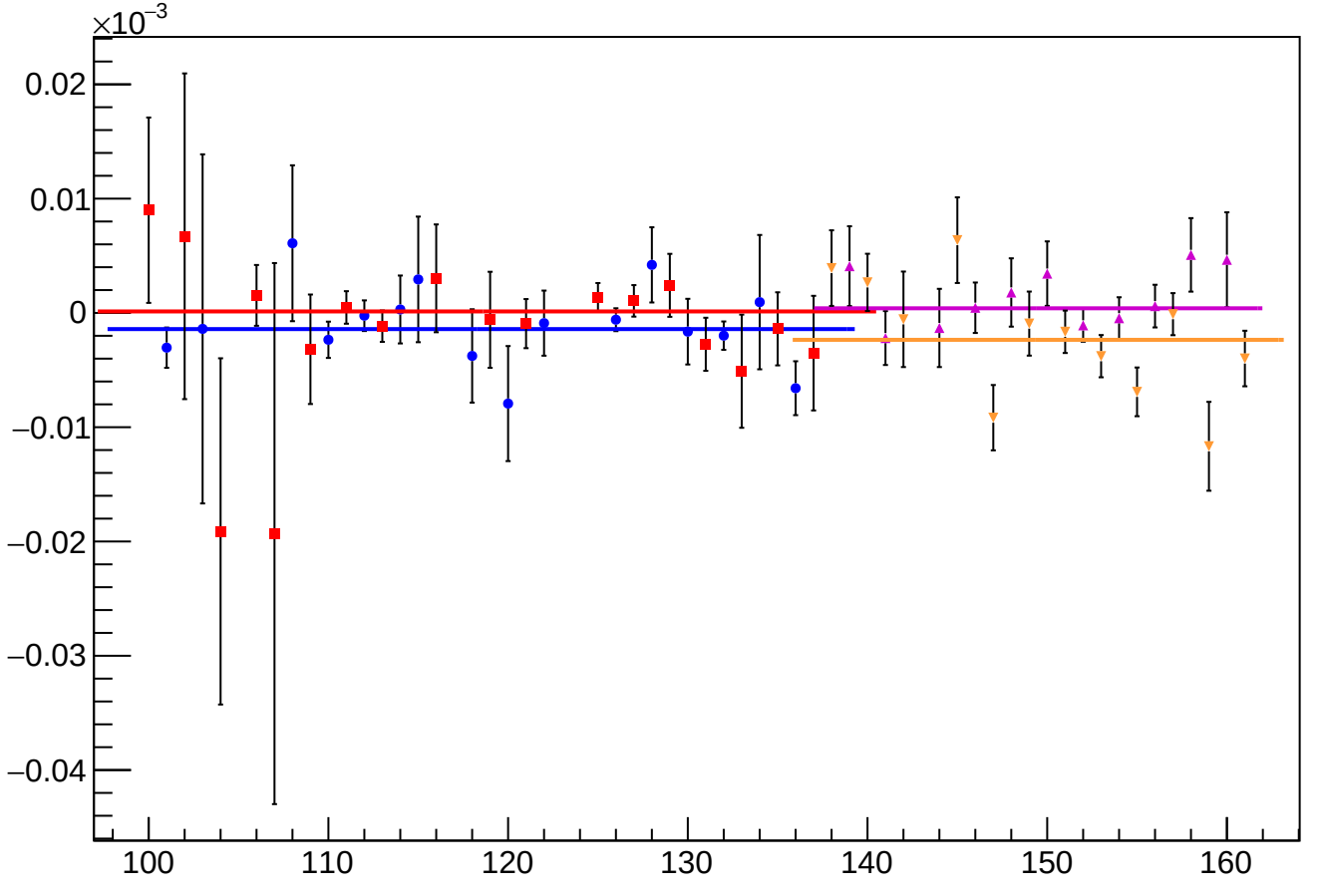
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.350+/-0.010 χ^2/NDF:3157833.8/26

Out: 48.523+/-0.010 χ^2/NDF:4402635.3/29

All: 49.440+/-0.007 χ^2/NDF: 7578011.1/56

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

Left: -0.000+/-0.000 χ^2/NDF: 48.2/22

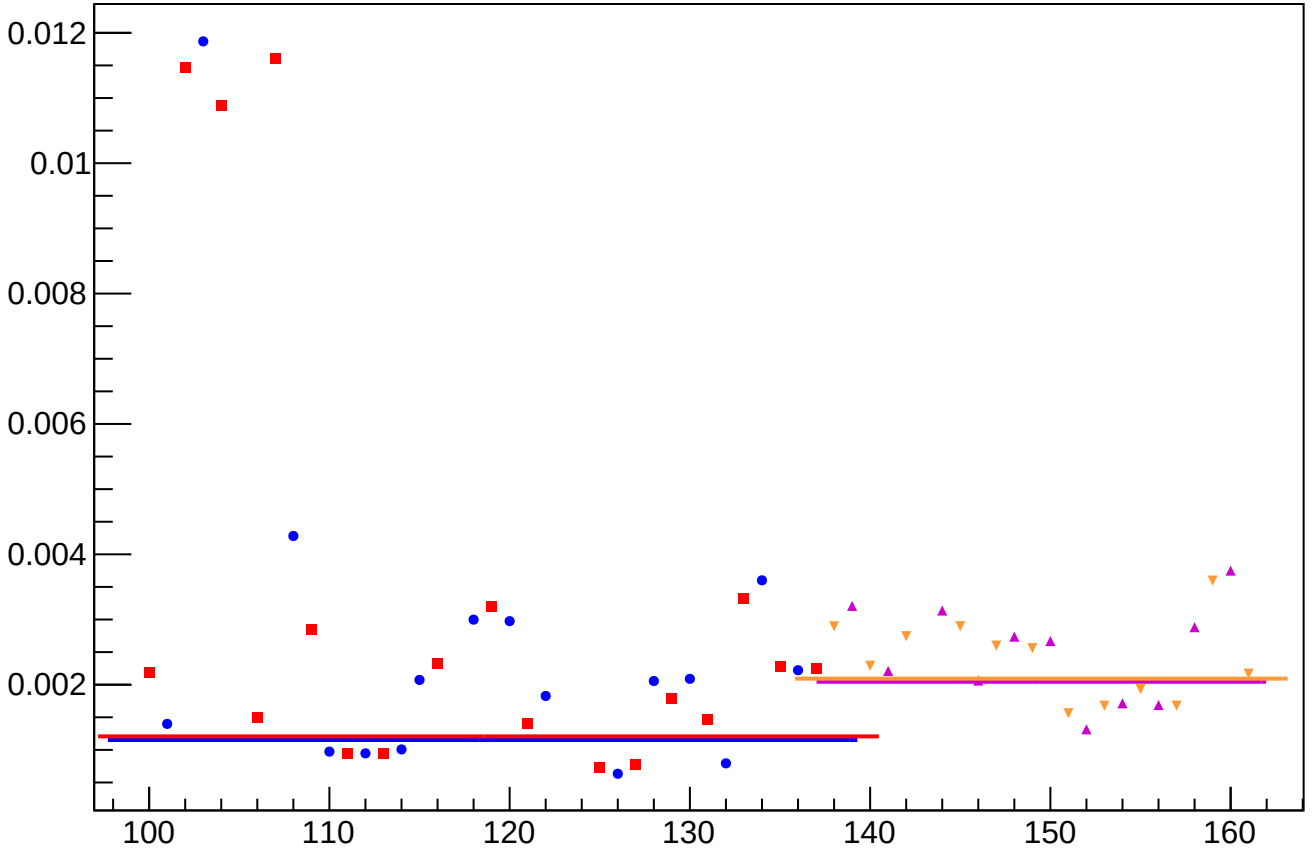
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:27.7/26

Out: -0.000+/-0.000 χ^2/NDF:51.3/29

All: -0.000+/-0.000 χ^2/NDF: 79.0/56

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1067300.4/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1771643.2/10

Left: 0.002+/-0.000 χ^2/NDF: 2843439.5/22

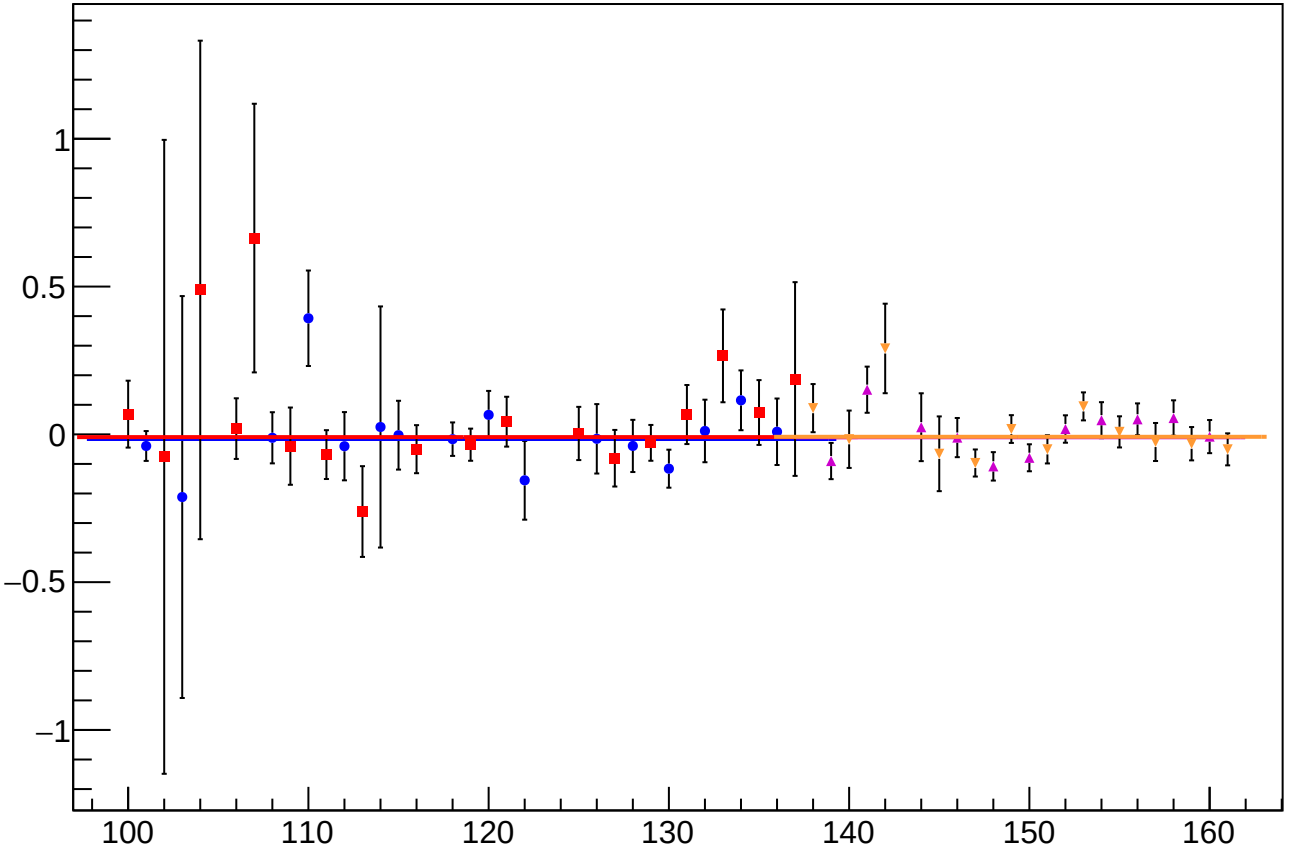
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8055275.6/26

Out: 0.002+/-0.000 χ^2/NDF:7503841.9/29

All: 0.002+/-0.000 χ^2/NDF: 15592075.0/56

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.017 χ^2/NDF:16.3/10

Left: -0.009+/-0.012 χ^2/NDF: 32.3/22

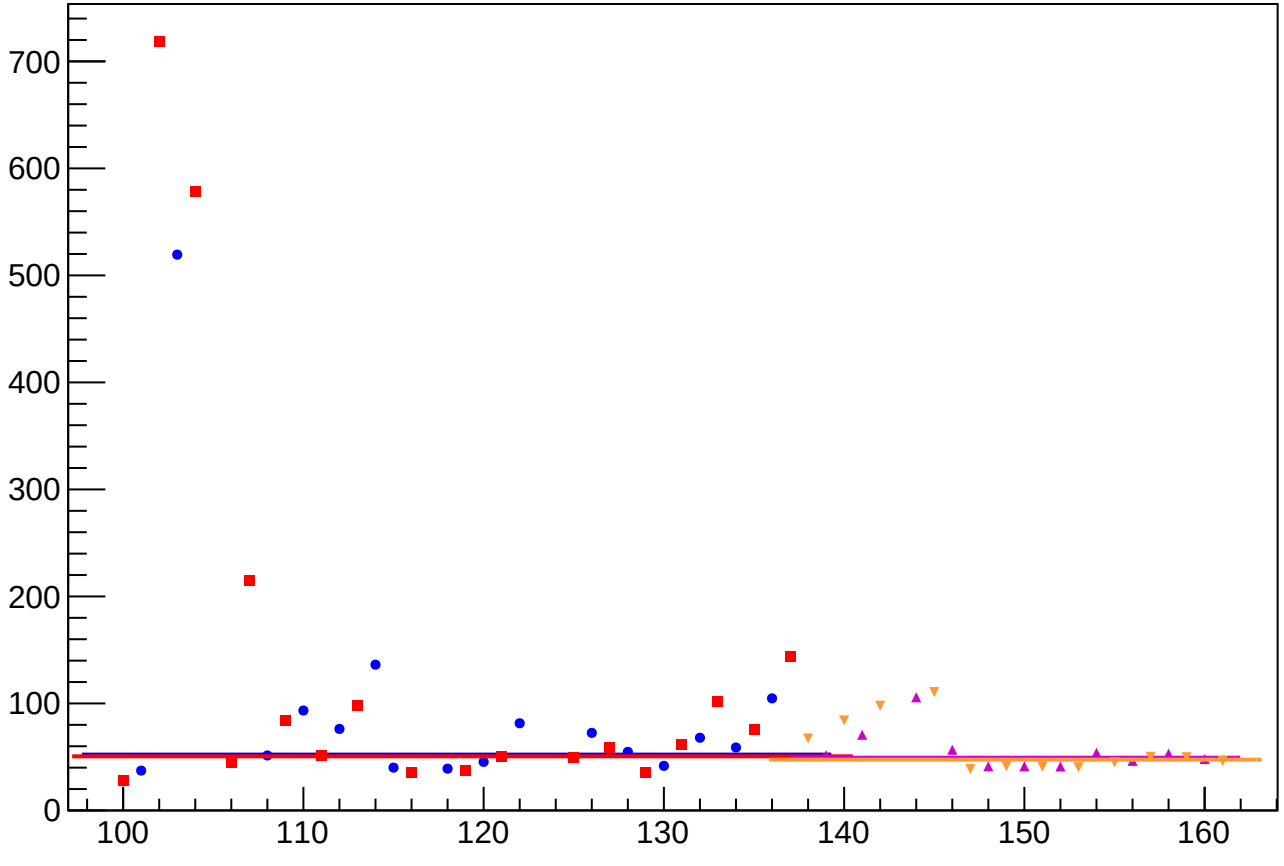
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.009+/-0.014 χ^2/NDF:28.5/29

All: -0.010+/-0.010 χ^2/NDF: 58.1/56

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.447+/-0.012 χ^2/NDF:1328043.9/11

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

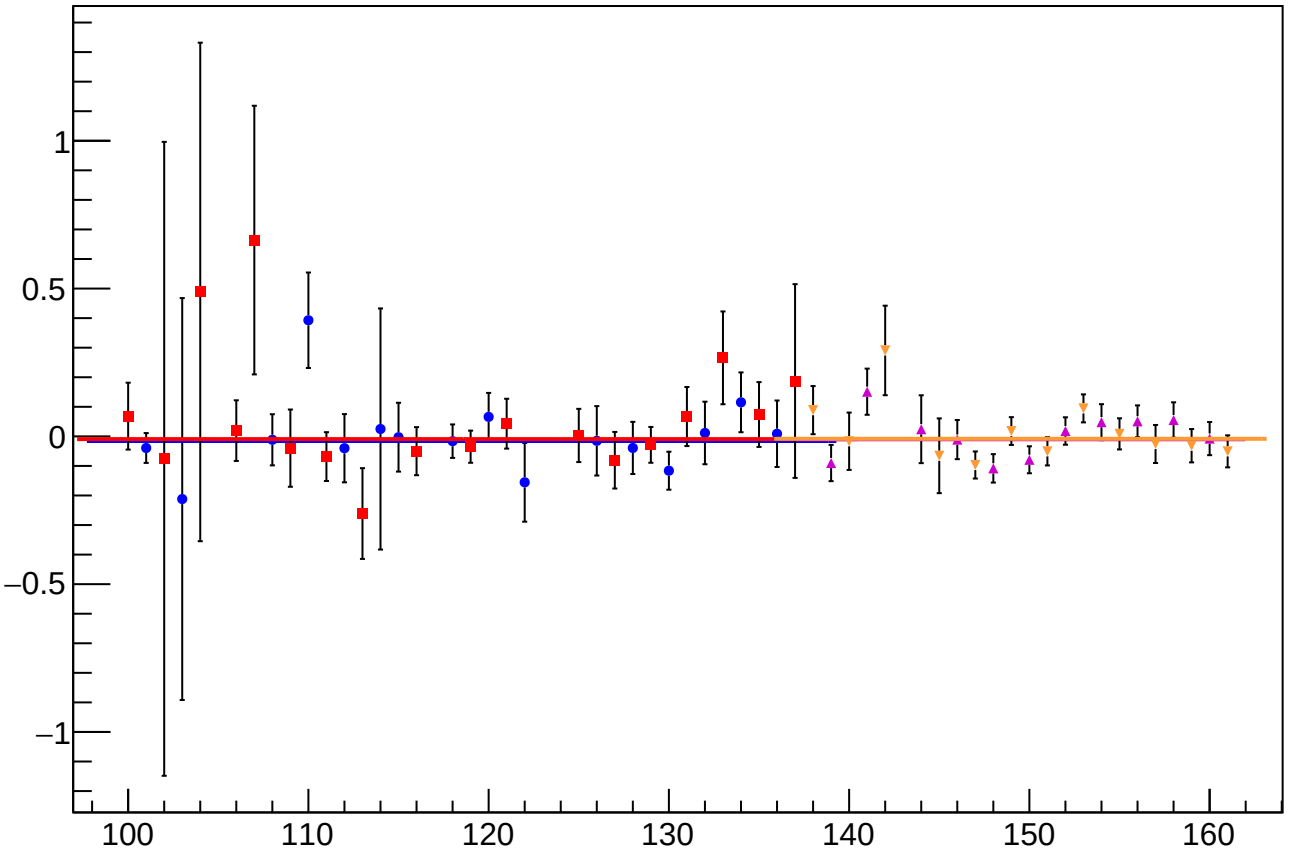
Left: 48.343+/-0.009 χ^2/NDF: 2209216.2/22

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.351+/-0.010 χ^2/NDF:3157813.5/26

Out: 48.523+/-0.010 χ^2/NDF:4402593.0/29

All: 49.440+/-0.007 χ^2/NDF: 7577950.1/56



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.010+/-0.017 χ^2/NDF:16.3/10

Left: -0.009+/-0.012 χ^2/NDF: 32.3/22

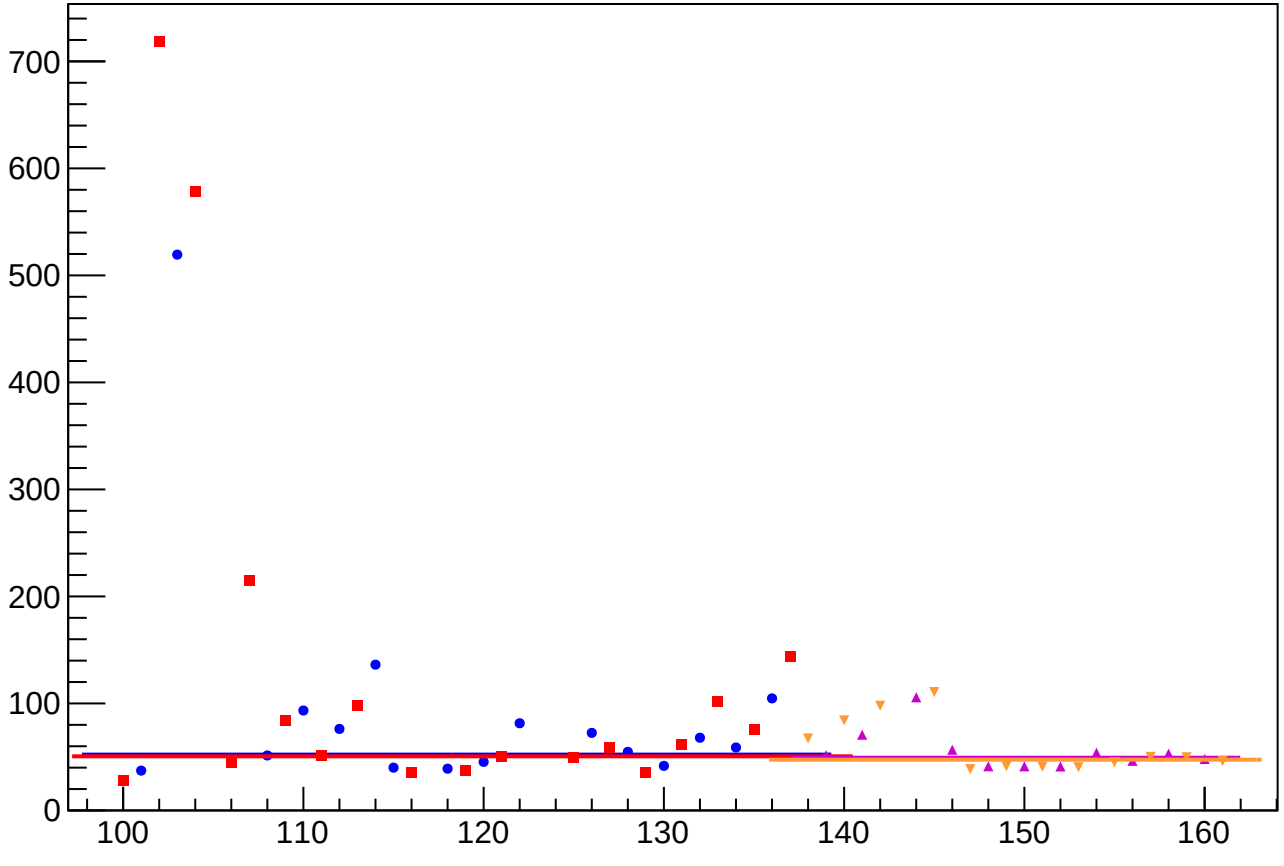
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.014 χ^2/NDF:29.5/26

Out: -0.009+/-0.014 χ^2/NDF:28.5/29

All: -0.010+/-0.010 χ^2/NDF: 58.1/56

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.447+/-0.012 χ^2/NDF:1328043.9/11

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

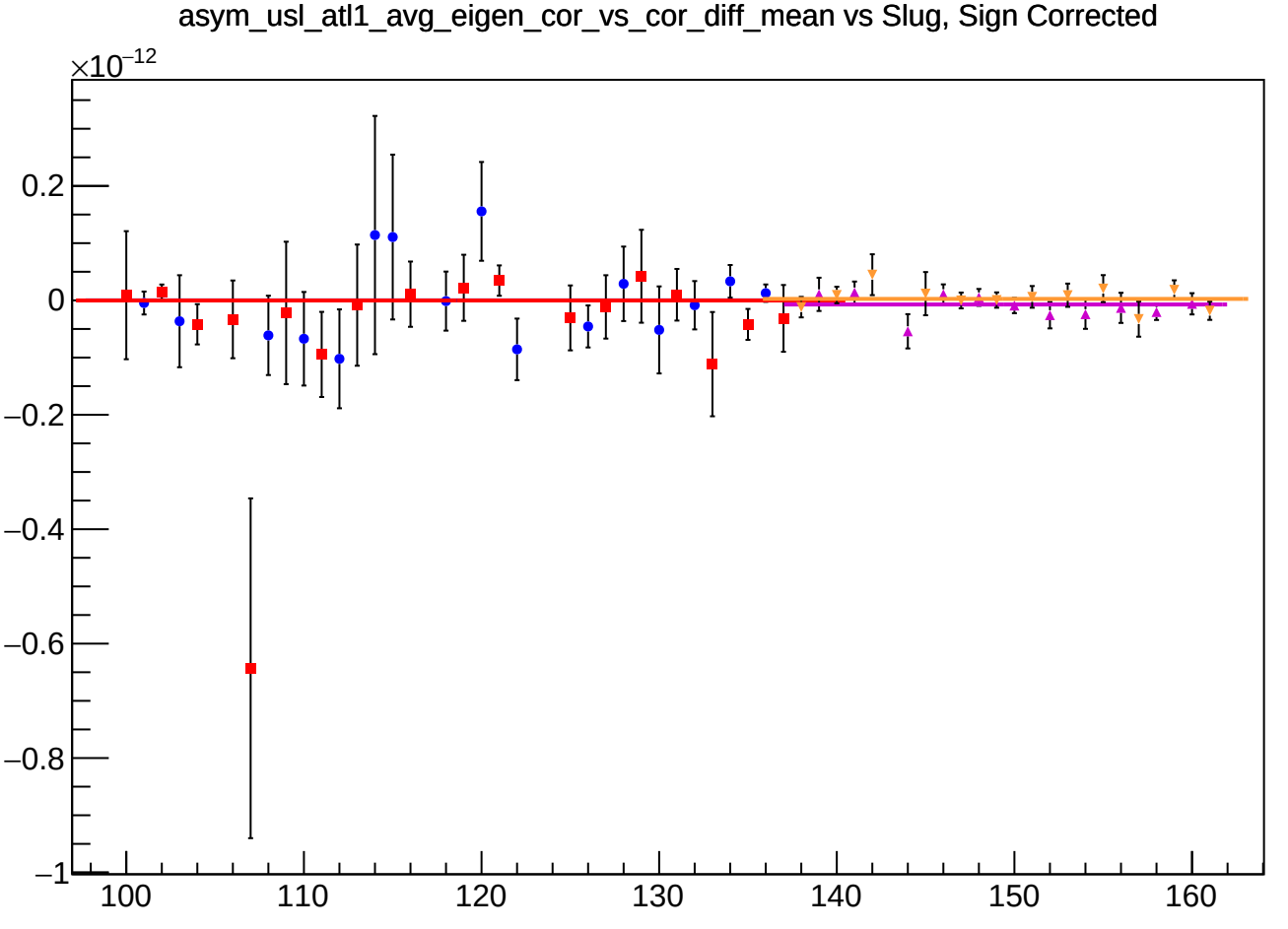
Left: 48.343+/-0.009 χ^2/NDF: 2209216.2/22

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.351+/-0.010 χ^2/NDF:3157813.5/26

Out: 48.523+/-0.010 χ^2/NDF:4402593.0/29

All: 49.440+/-0.007 χ^2/NDF: 7577950.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/10

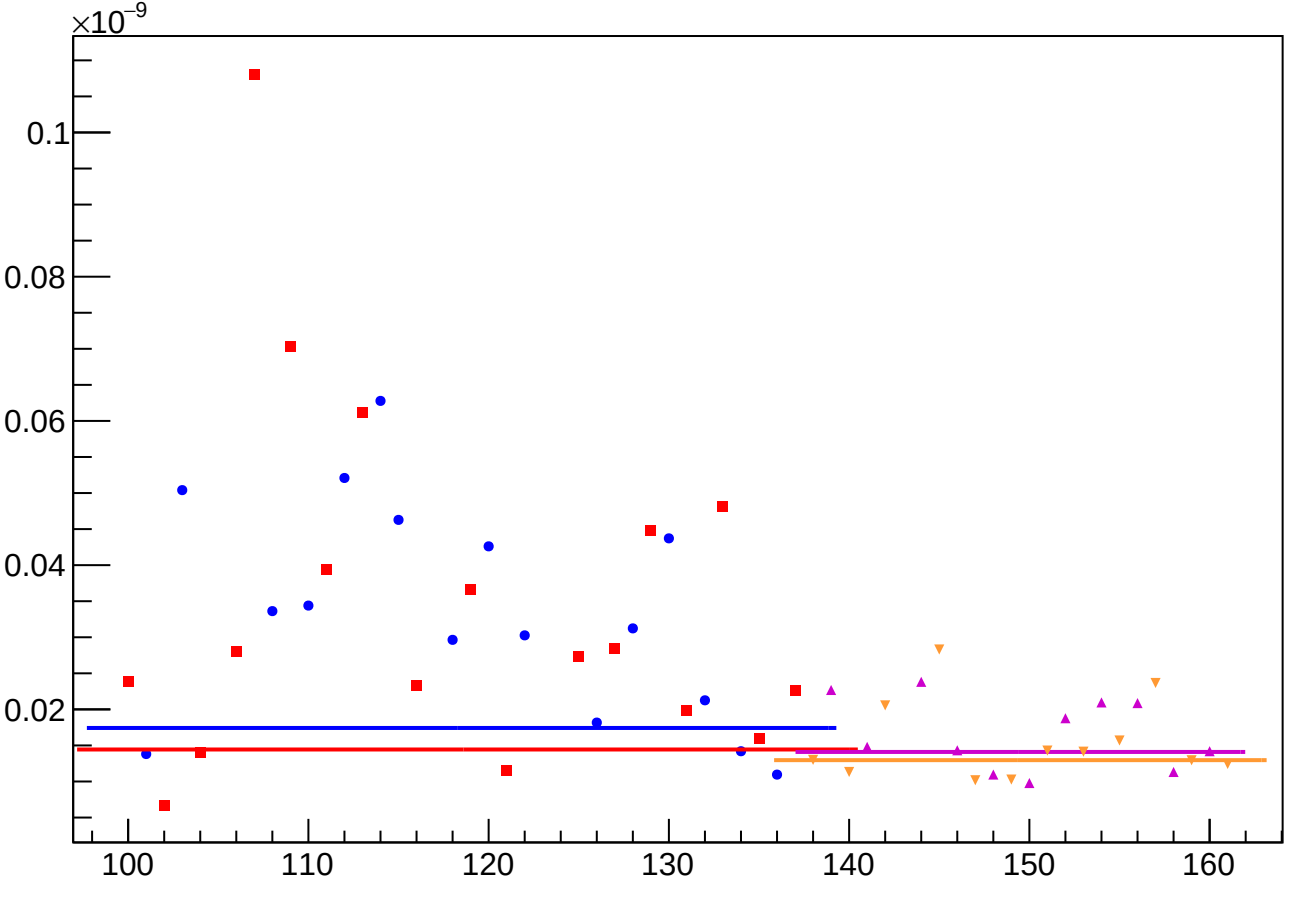
Left: -0.000+/-0.000 χ^2/NDF: 16.4/22

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

In: -0.000+/-0.000 χ^2/NDF:22.4/26

Out: 0.000+/-0.000 χ^2/NDF:23.1/29

All: -0.000+/-0.000 χ^2/NDF: 46.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:895480.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1125118.6/10

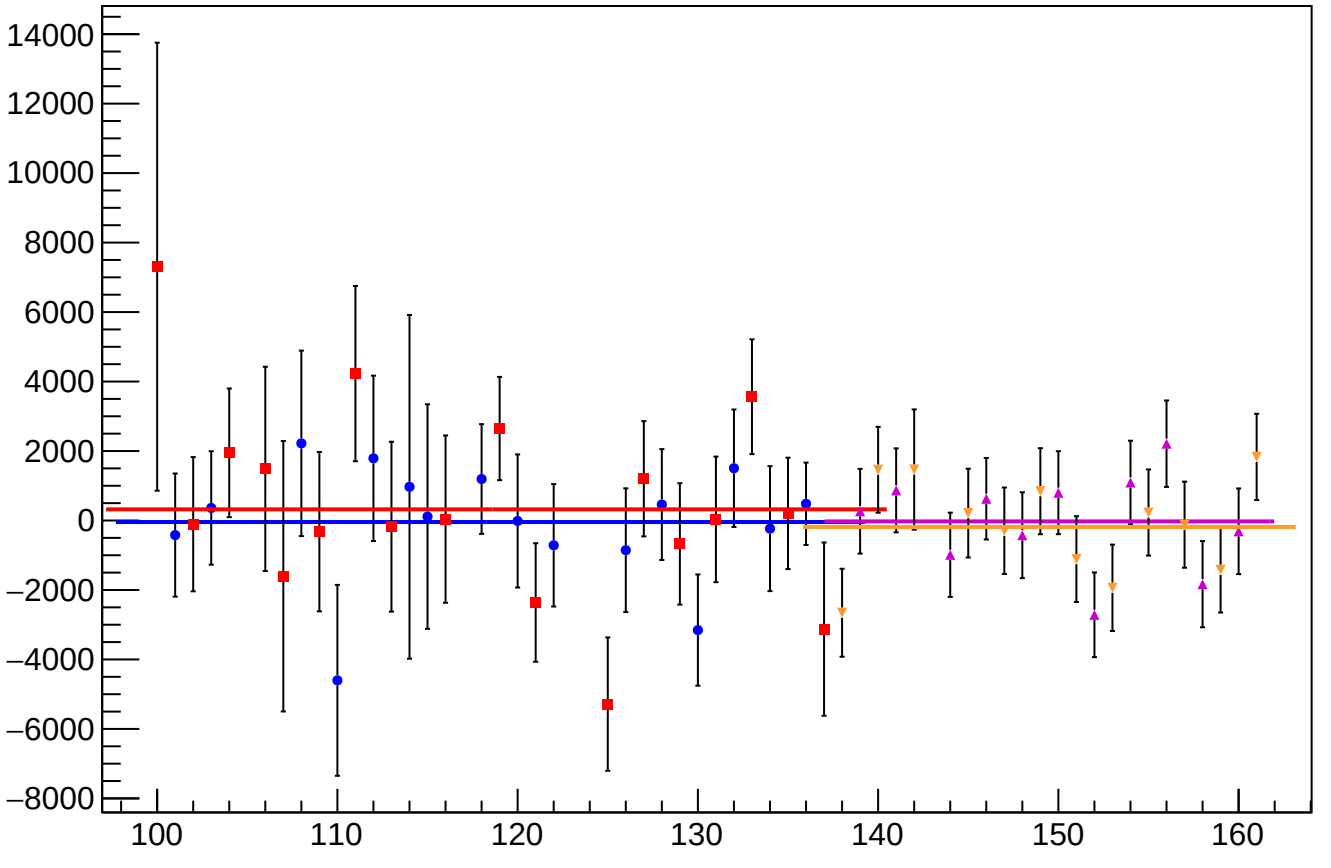
Left: 0.000+/-0.000 χ^2/NDF: 2063915.7/22

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:3534066.0/26

Out: 0.000+/-0.000 χ^2/NDF:4196988.0/29

All: 0.000+/-0.000 χ^2/NDF: 7852312.3/56



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.106+/-366.546 χ^2/NDF:13.6/11

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -26.005+/-366.675 χ^2/NDF:13.3/10

Left: -106.084+/-259.233 χ^2/NDF: 27.0/22

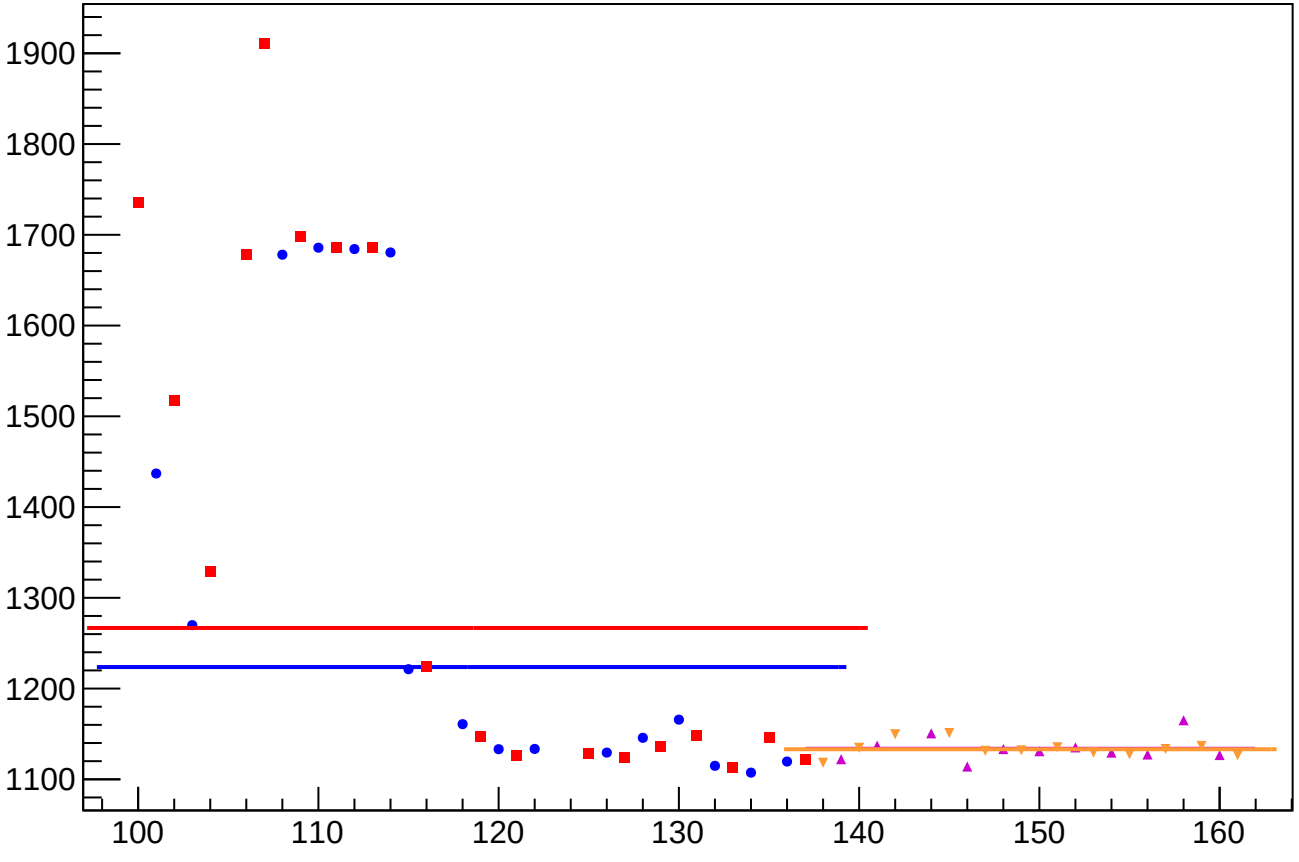
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -32.887+/-286.539 χ^2/NDF:23.4/26

Out: 3.291+/-290.176 χ^2/NDF:39.1/29

All: -15.026+/-203.887 χ^2/NDF: 62.5/56

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

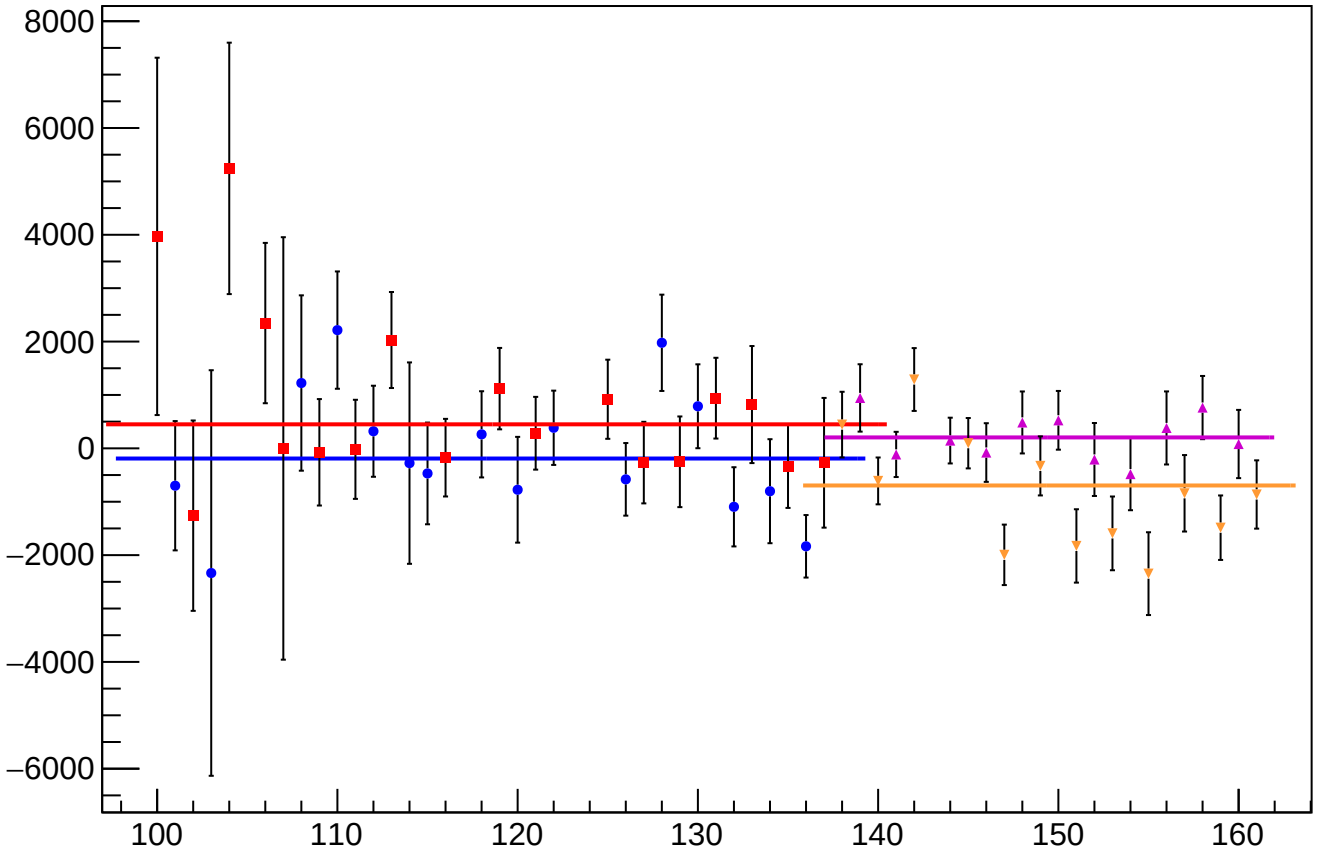
Left: 1133.385+/-0.183 χ^2/NDF: 3583.2/22

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1168.705+/-0.203 χ^2/NDF:344525.9/26

Out: 1183.021+/-0.205 χ^2/NDF:533099.9/29

All: 1175.773+/-0.144 χ^2/NDF: 880090.4/56



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -695.467+/-169.945 χ^2/NDF:34.1/11

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 204.575+/-169.295 χ^2/NDF:5.2/10

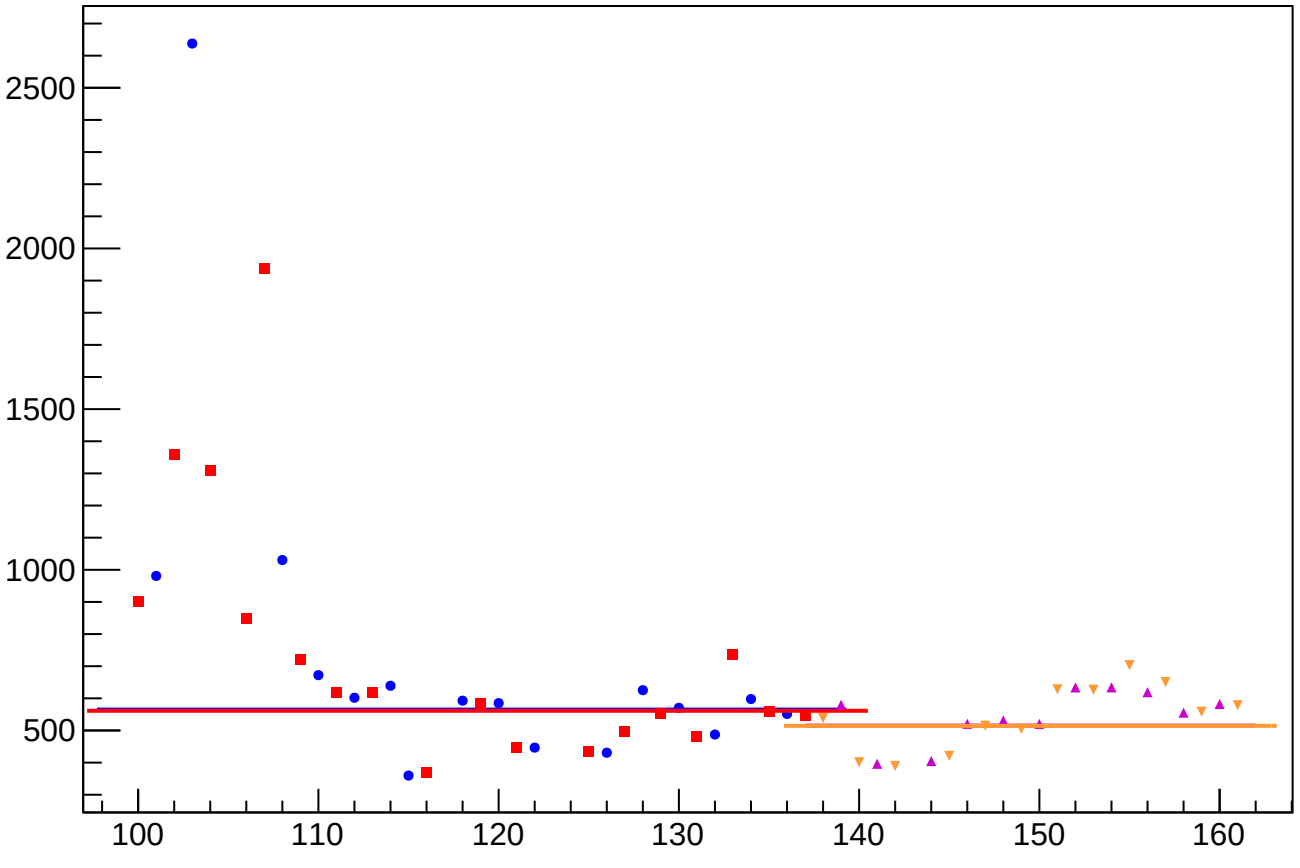
Left: -243.722+/-119.939 χ^2/NDF: 53.4/22

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 59.971+/-134.811 χ^2/NDF:32.4/26

Out: -275.164+/-135.213 χ^2/NDF:67.6/29

All: -107.098+/-95.468 χ^2/NDF: 103.1/56



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 514.396+/-0.120 χ^2/NDF:635074.7/11

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 515.149+/-0.120 χ^2/NDF:513056.9/10

Left: 514.774+/-0.085 χ^2/NDF: 1148151.4/22

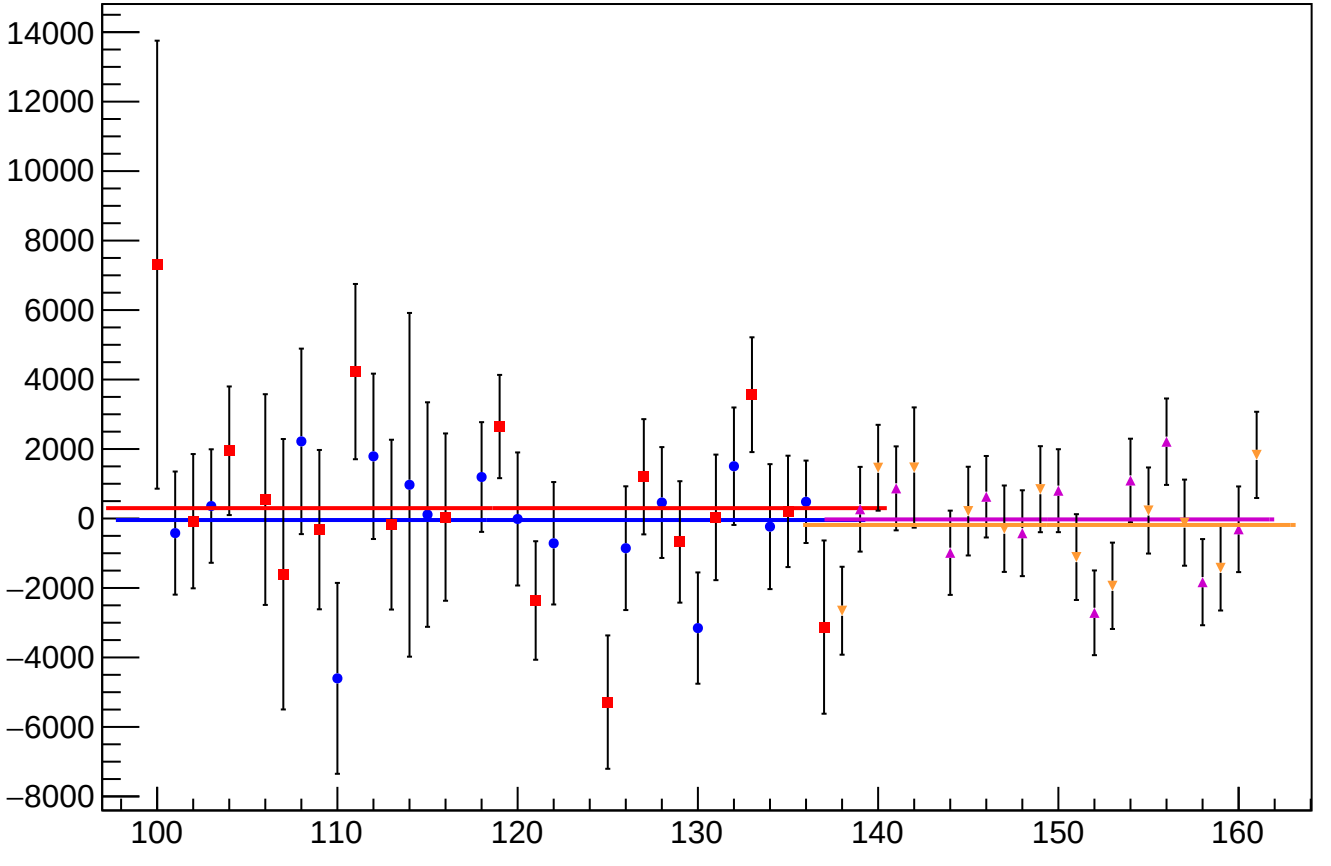
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 533.374+/-0.095 χ^2/NDF:1860881.3/26

Out: 531.588+/-0.096 χ^2/NDF:2043087.0/29

All: 532.484+/-0.068 χ^2/NDF: 3904143.4/56

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.045+/-366.546 χ^2/NDF:13.6/11

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -26.040+/-366.675 χ^2/NDF:13.3/10

Left: -106.071+/-259.233 χ^2/NDF: 27.0/22

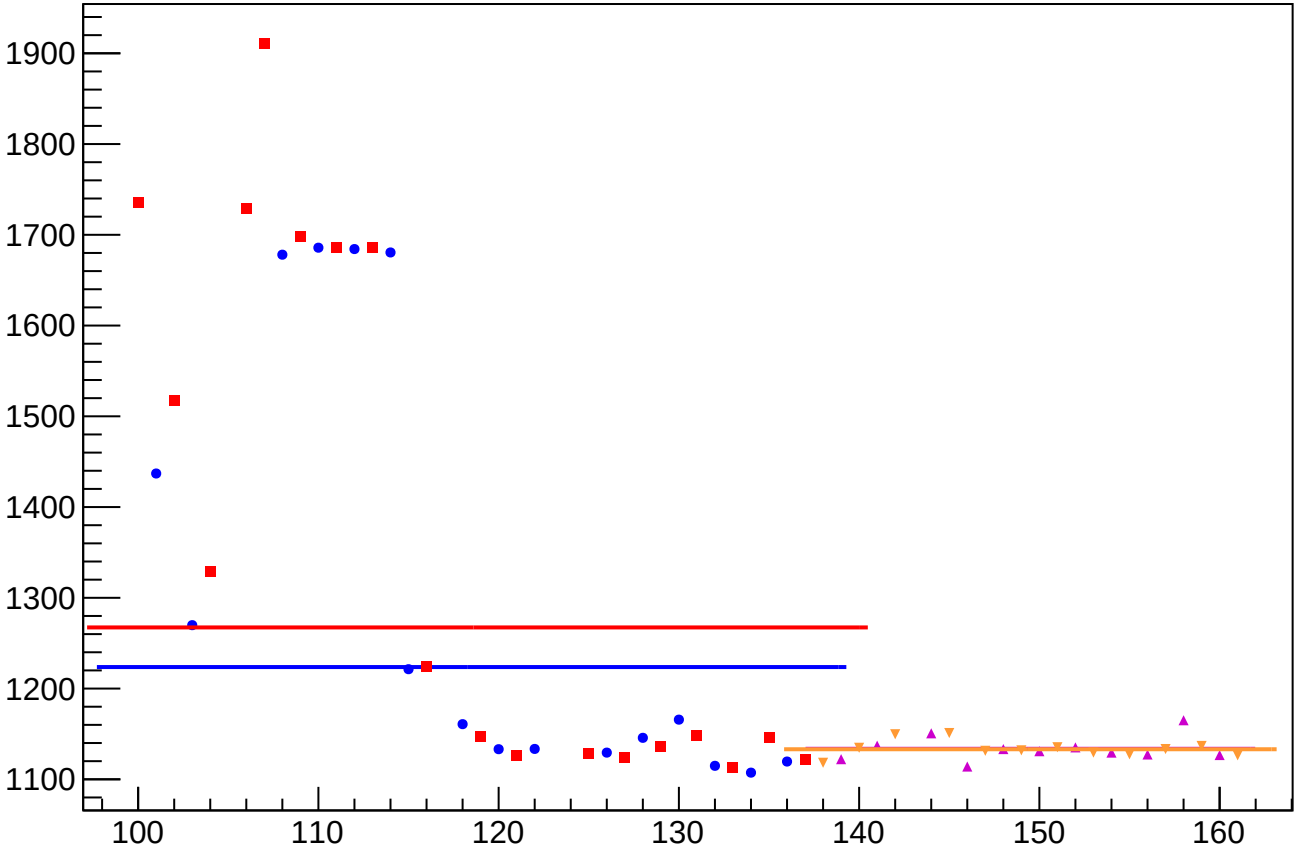
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -33.002+/-286.539 χ^2/NDF:23.4/26

Out: -5.457+/-290.262 χ^2/NDF:38.9/29

All: -19.407+/-203.917 χ^2/NDF: 62.2/56

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

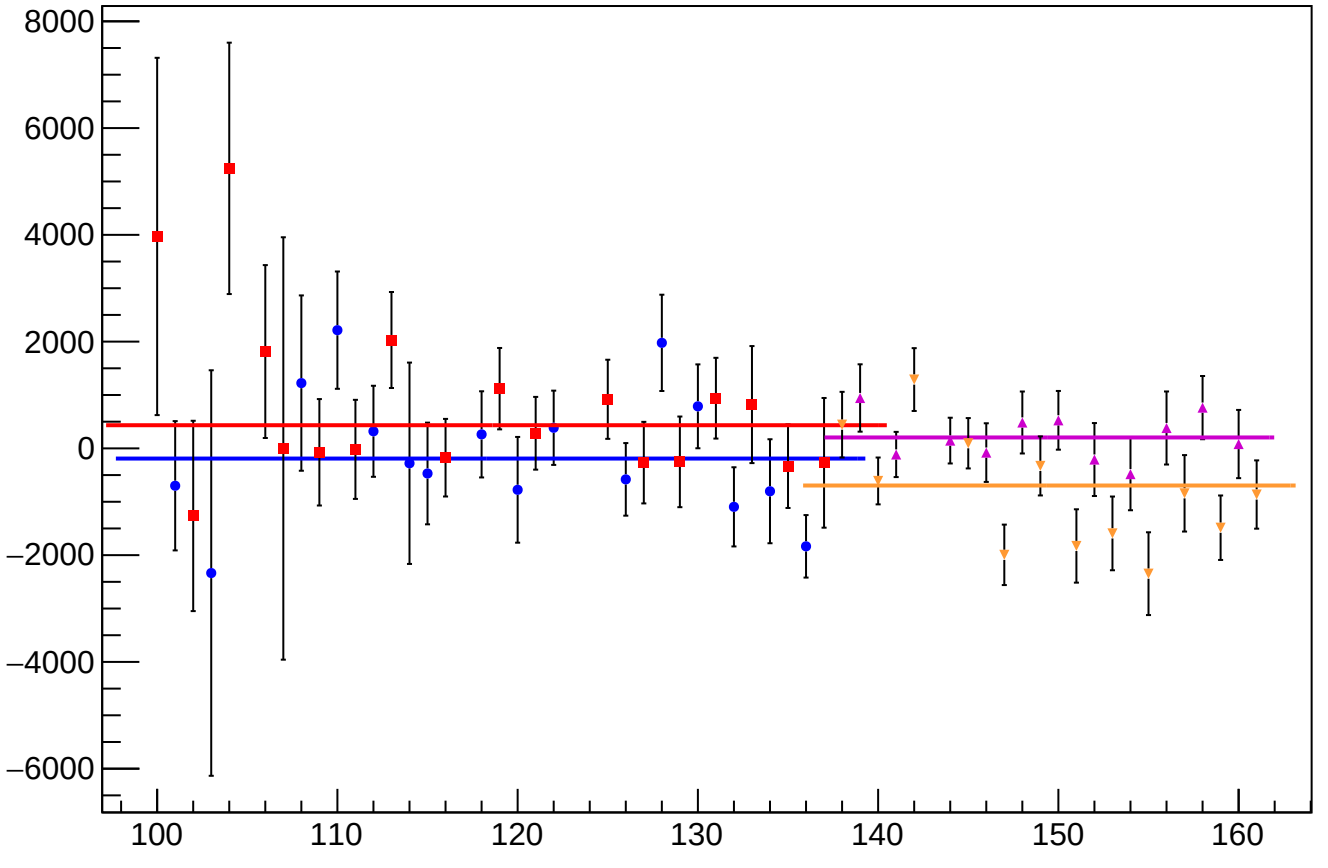
Left: 1133.385+/-0.183 χ^2/NDF: 3583.2/22

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1168.705+/-0.203 χ^2/NDF:344526.0/26

Out: 1183.189+/-0.205 χ^2/NDF:541006.2/29

All: 1175.854+/-0.144 χ^2/NDF: 888054.3/56



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -695.467+/-169.944 χ^2/NDF:34.1/11

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 204.567+/-169.296 χ^2/NDF:5.2/10

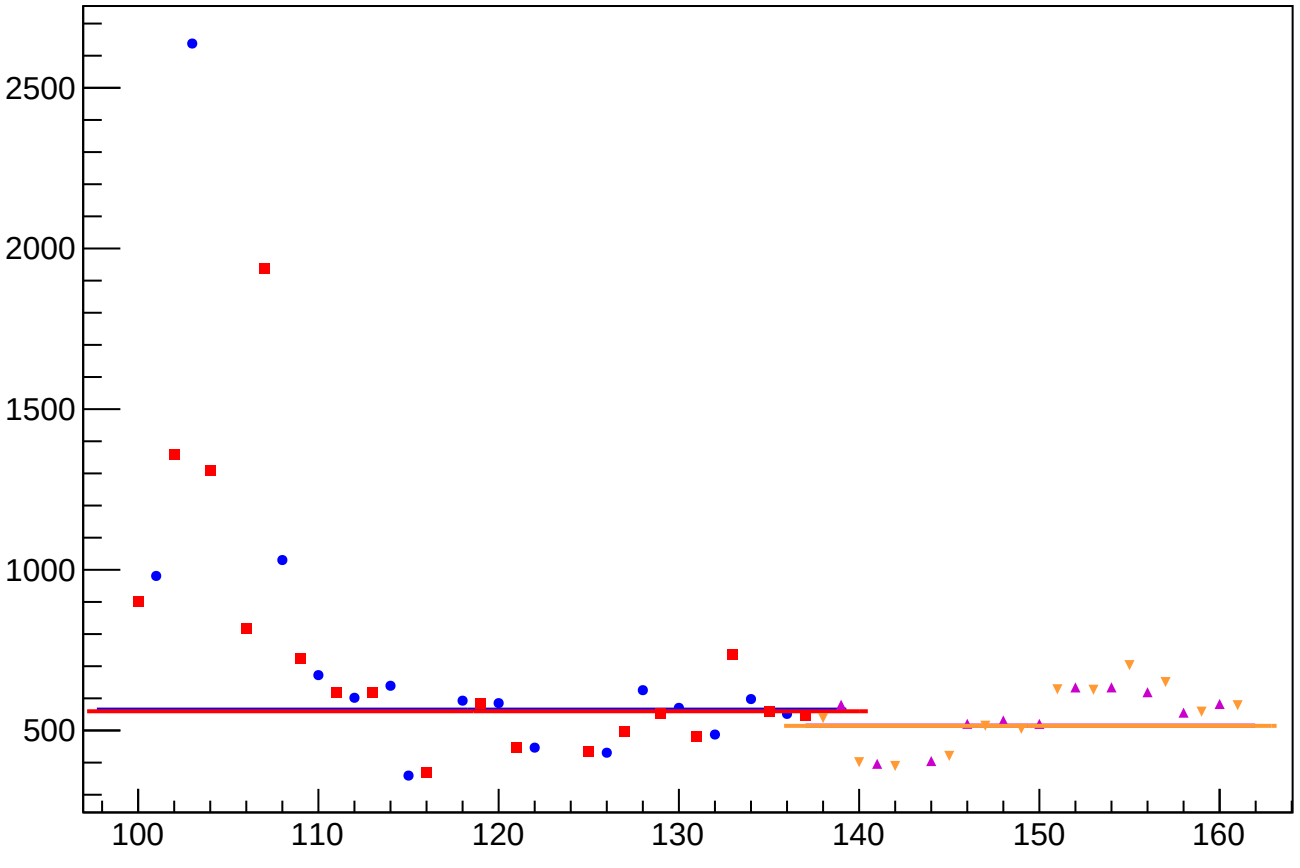
Left: -243.729+/-119.939 χ^2/NDF: 53.4/22

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 59.960+/-134.811 χ^2/NDF:32.4/26

Out: -281.835+/-135.289 χ^2/NDF:66.2/29

All: -110.333+/-95.494 χ^2/NDF: 101.9/56



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 514.394+/-0.120 χ^2/NDF:635052.2/11

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

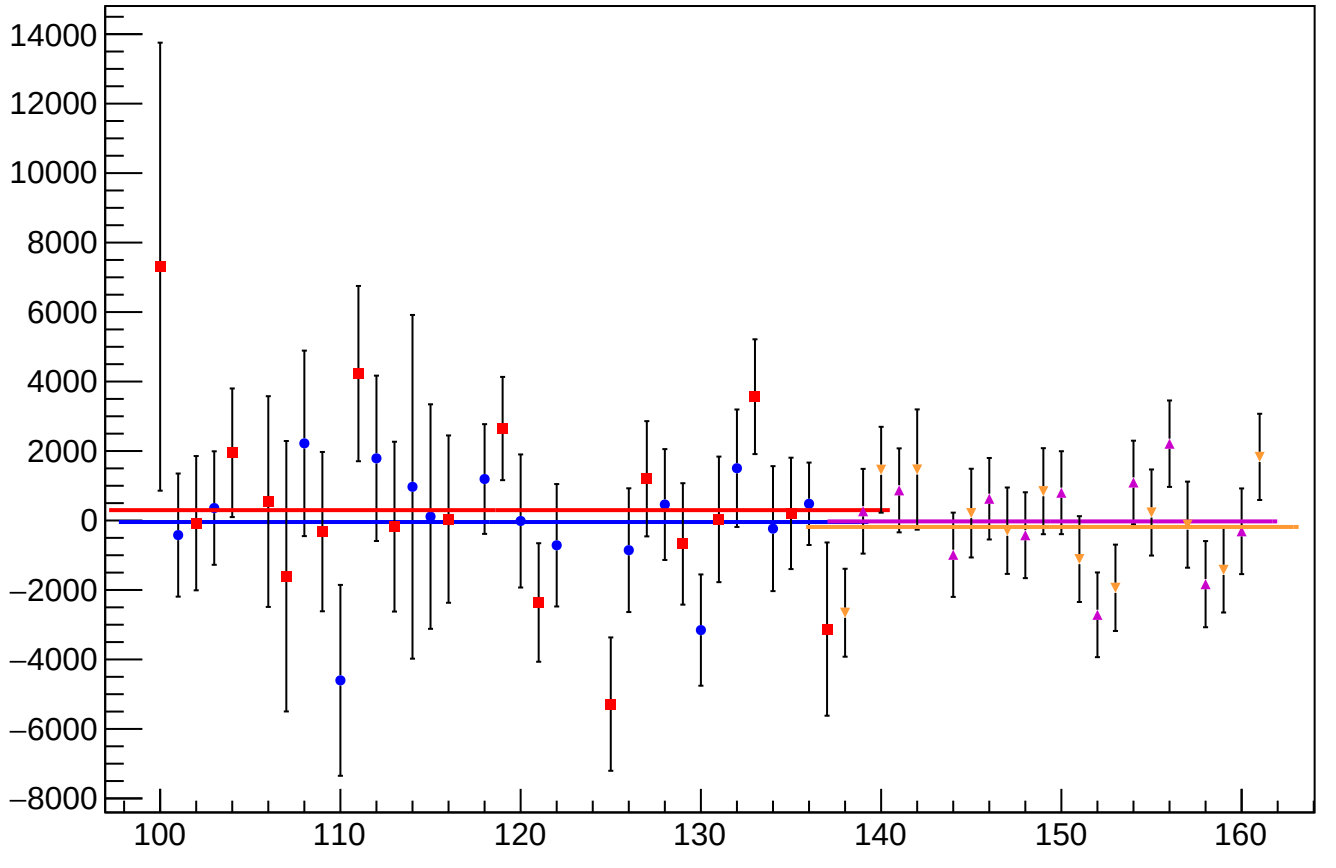
Left: 514.774+/-0.085 χ^2/NDF: 1148097.7/22

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 533.374+/-0.095 χ^2/NDF:1860812.1/26

Out: 531.009+/-0.096 χ^2/NDF:2016603.7/29

All: 532.195+/-0.068 χ^2/NDF: 3877722.4/56



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.045+/-366.546 χ^2/NDF:13.6/11

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -26.040+/-366.675 χ^2/NDF:13.3/10

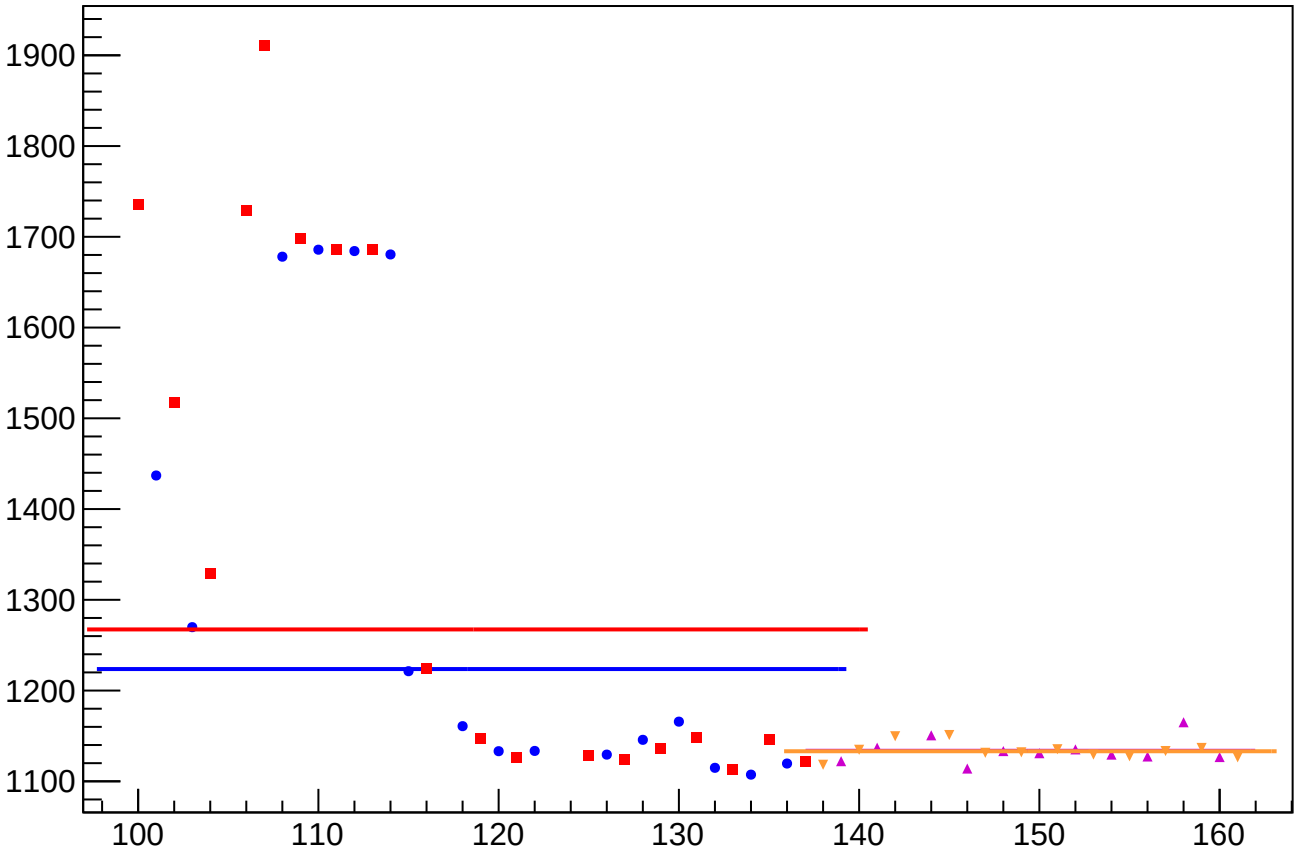
Left: -106.071+/-259.233 χ^2/NDF: 27.0/22

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -33.002+/-286.539 χ^2/NDF:23.4/26

Out: -5.457+/-290.262 χ^2/NDF:38.9/29

All: -19.407+/-203.917 χ^2/NDF: 62.2/56



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

Left: 1133.385+/-0.183 χ^2/NDF: 3583.2/22

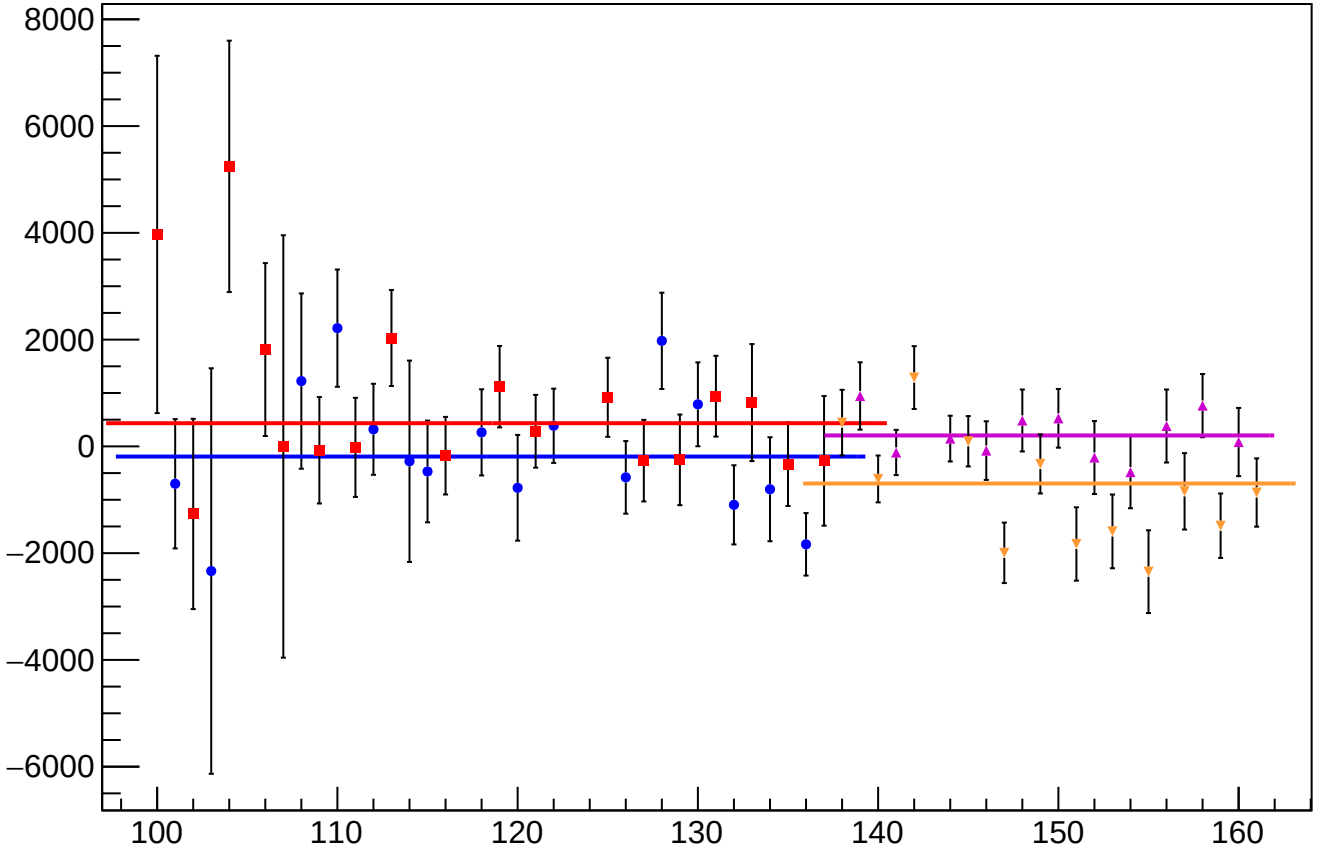
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1168.705+/-0.203 χ^2/NDF:344526.0/26

Out: 1183.189+/-0.205 χ^2/NDF:541006.2/29

All: 1175.854+/-0.144 χ^2/NDF: 888054.3/56

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -695.467+/-169.944 χ^2/NDF:34.1/11

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 204.567+/-169.296 χ^2/NDF:5.2/10

Left: -243.729+/-119.939 χ^2/NDF: 53.4/22

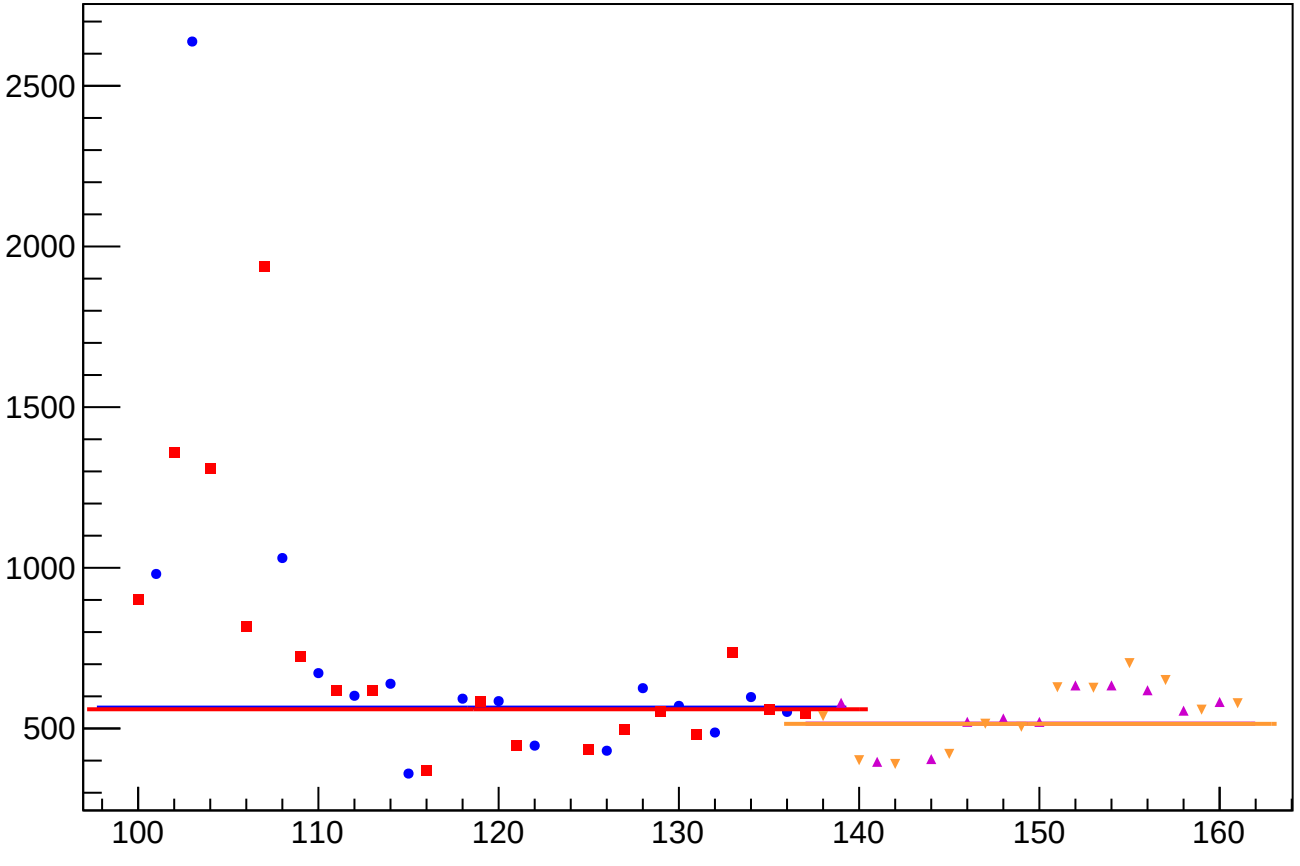
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 59.960+/-134.811 χ^2/NDF:32.4/26

Out: -281.835+/-135.289 χ^2/NDF:66.2/29

All: -110.333+/-95.494 χ^2/NDF: 101.9/56

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: 514.394+/-0.120 χ^2/NDF:635052.2/11

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

Left: 514.774+/-0.085 χ^2/NDF: 1148097.7/22

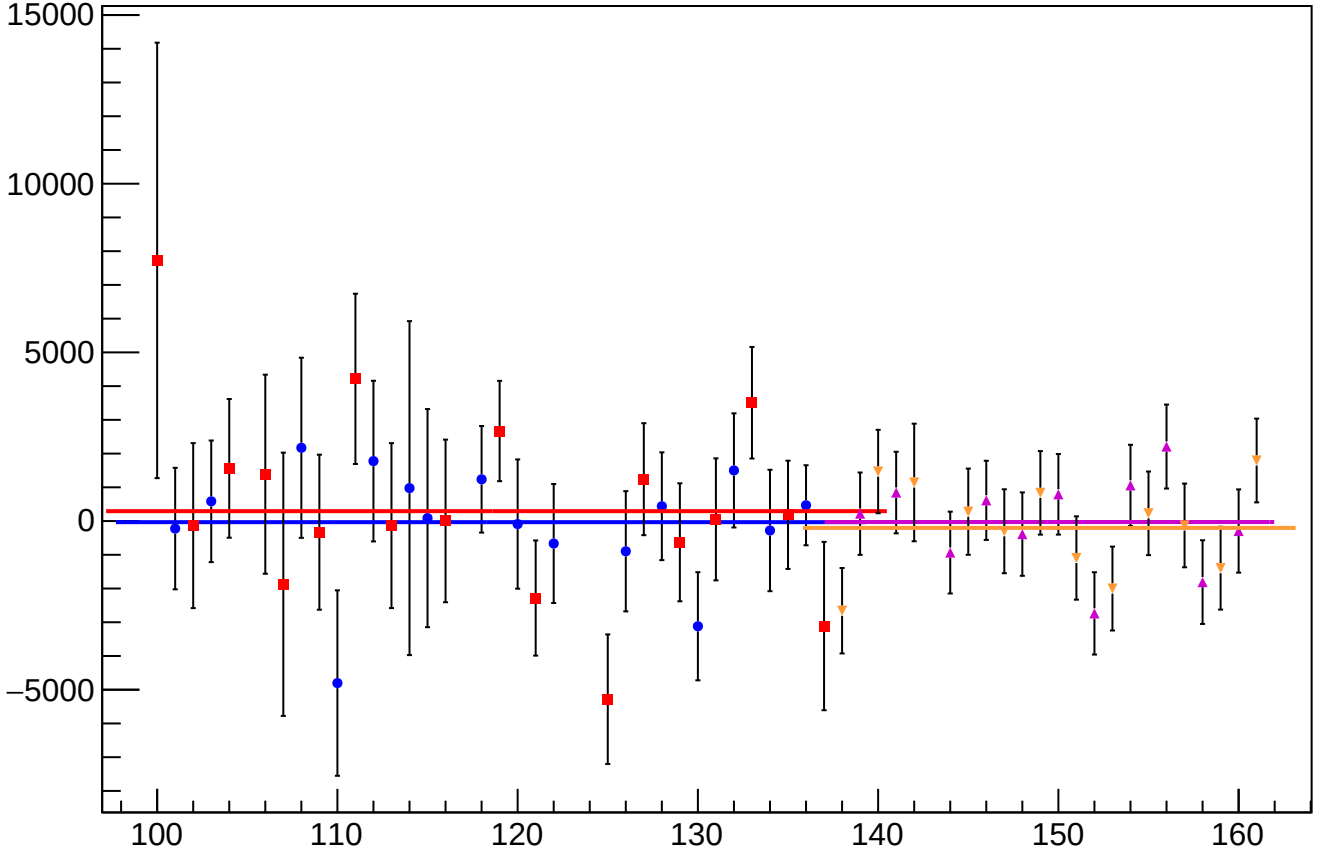
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 533.374+/-0.095 χ^2/NDF:1860812.1/26

Out: 531.009+/-0.096 χ^2/NDF:2016603.7/29

All: 532.195+/-0.068 χ^2/NDF: 3877722.4/56

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -203.235+/-366.802 χ^2/NDF:13.3/11

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -28.954+/-366.811 χ^2/NDF:13.1/10

Left: -116.097+/-259.371 χ^2/NDF: 26.5/22

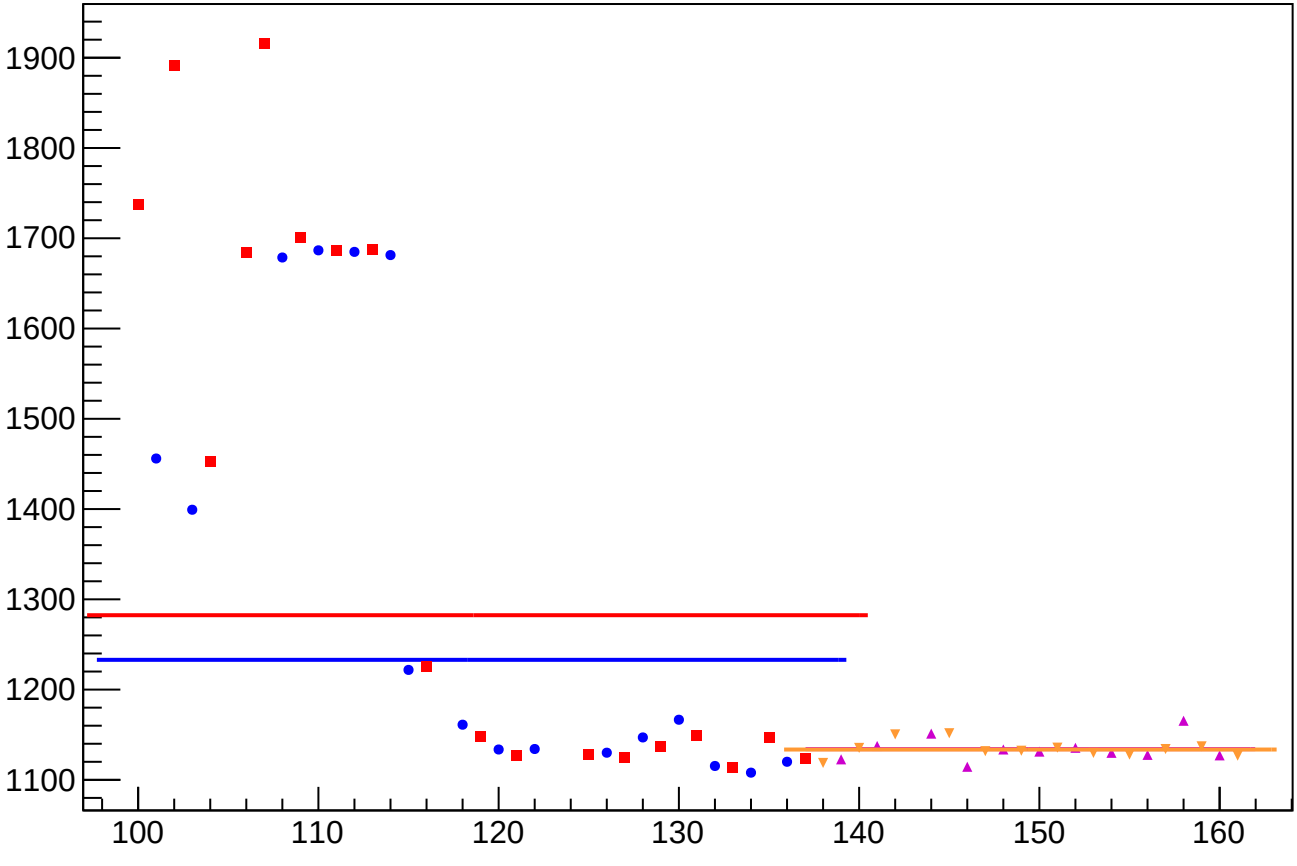
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -30.538+/-287.567 χ^2/NDF:23.3/26

Out: -21.983+/-292.300 χ^2/NDF:38.2/29

All: -26.330+/-204.993 χ^2/NDF: 61.5/56

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.592+/-0.259 χ^2/NDF:1011.6/11

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

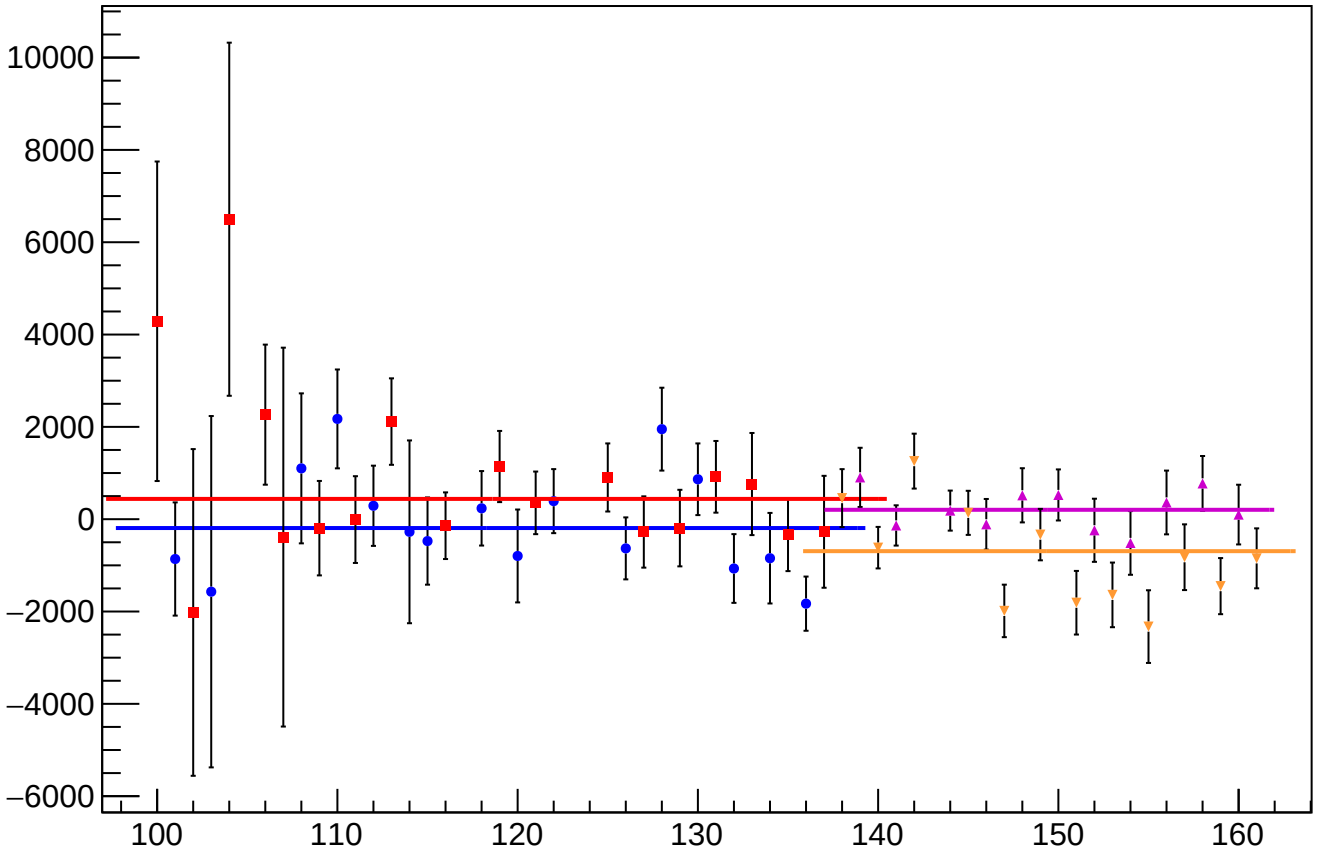
Left: 1133.827+/-0.183 χ^2/NDF: 3592.3/22

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1172.179+/-0.203 χ^2/NDF:374086.8/26

Out: 1187.905+/-0.207 χ^2/NDF:664562.8/29

All: 1179.914+/-0.145 χ^2/NDF: 1041591.6/56



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -692.489+/-171.960 χ^2/NDF:33.2/11

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 203.640+/-171.371 χ^2/NDF:5.3/10

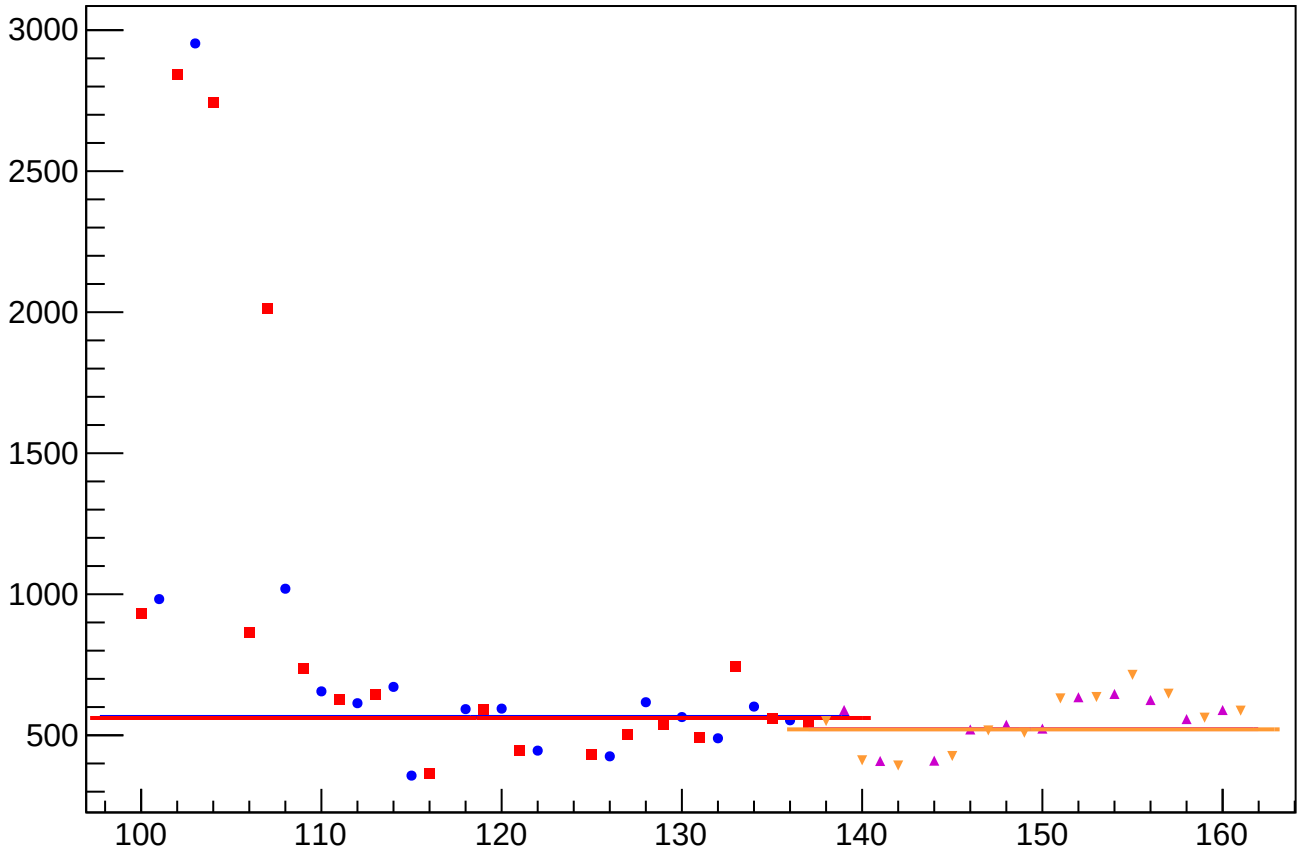
Left: -242.887+/-121.385 χ^2/NDF: 52.0/22

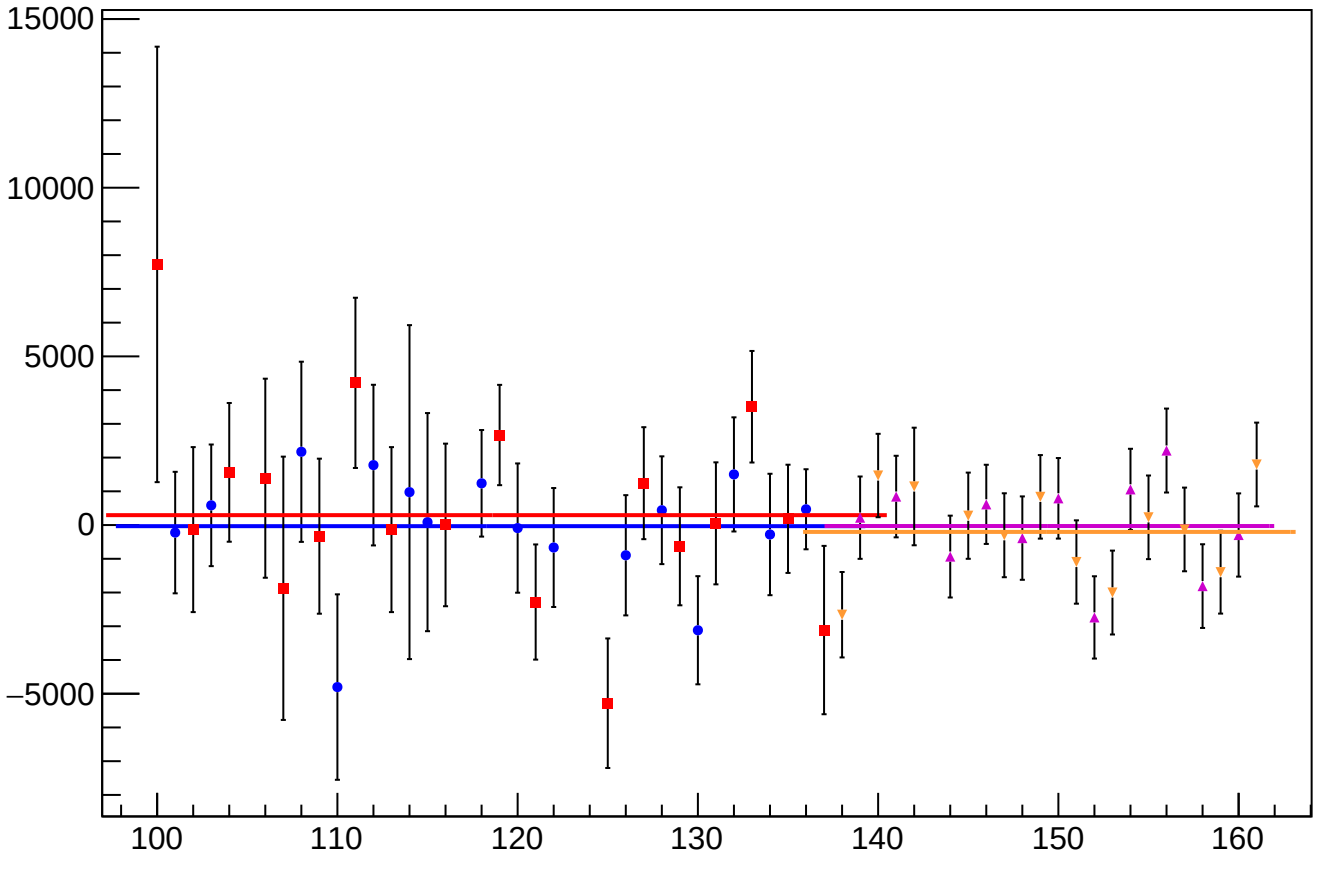
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 56.722+/-135.828 χ^2/NDF:32.5/26

Out: -278.782+/-136.983 χ^2/NDF:63.6/29

All: -109.610+/-96.451 χ^2/NDF: 99.2/56


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 520.958+/-0.122 χ²/NDF:613660.9/11
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 522.050+/-0.121 χ²/NDF:484309.9/10
Left: 521.506+/-0.086 χ²/NDF: 1098011.2/22
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 537.970+/-0.096 χ²/NDF:2011111.9/26
Out: 535.691+/-0.097 χ²/NDF:2927204.1/29
All: 536.840+/-0.068 χ²/NDF: 4938595.2/56



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -203.237+/-366.802 χ^2/NDF:13.3/11

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -28.953+/-366.811 χ^2/NDF:13.1/10

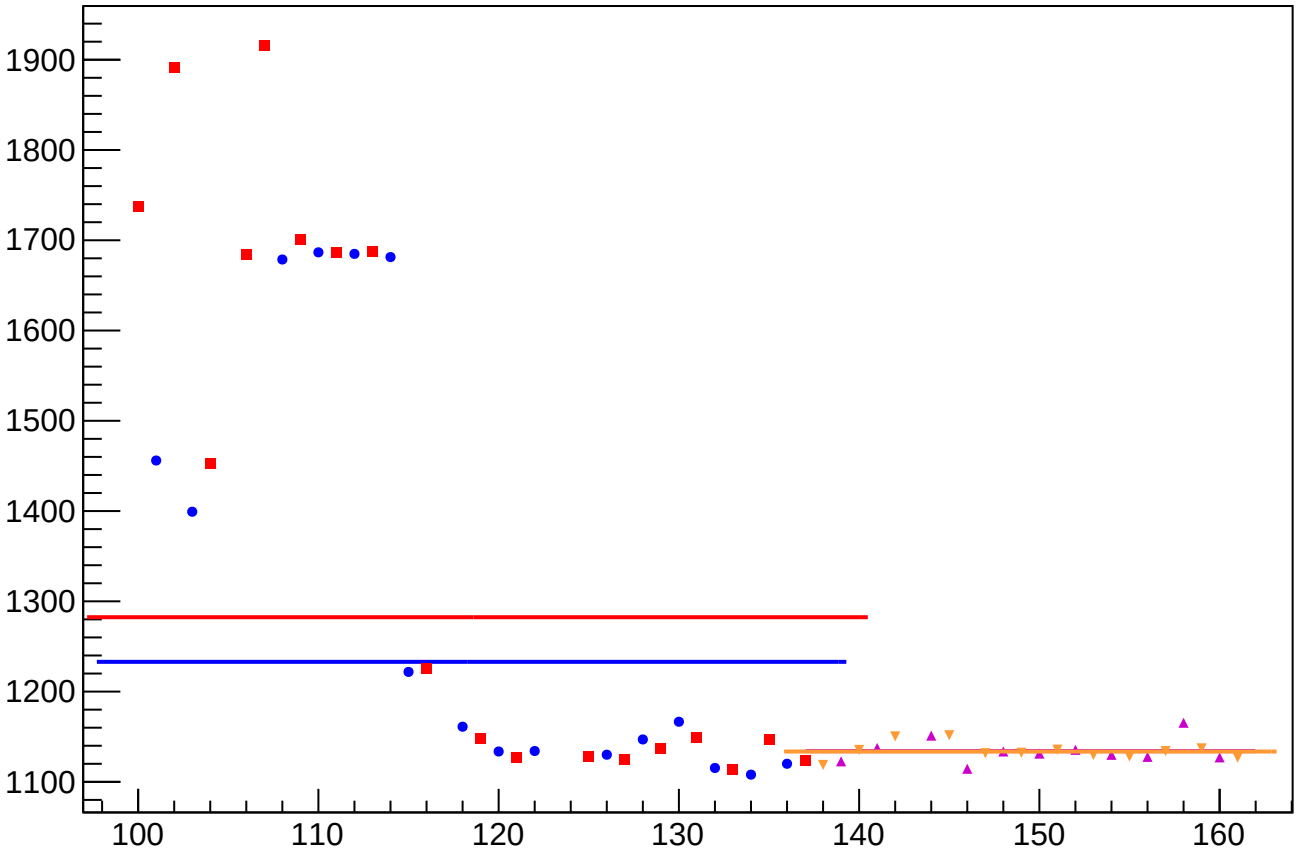
Left: -116.098+/-259.371 χ^2/NDF: 26.5/22

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -30.537+/-287.567 χ^2/NDF:23.3/26

Out: -21.985+/-292.300 χ^2/NDF:38.2/29

All: -26.331+/-204.993 χ^2/NDF: 61.5/56



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.592+/-0.259 χ^2/NDF:1011.6/11

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

Left: 1133.827+/-0.183 χ^2/NDF: 3592.3/22

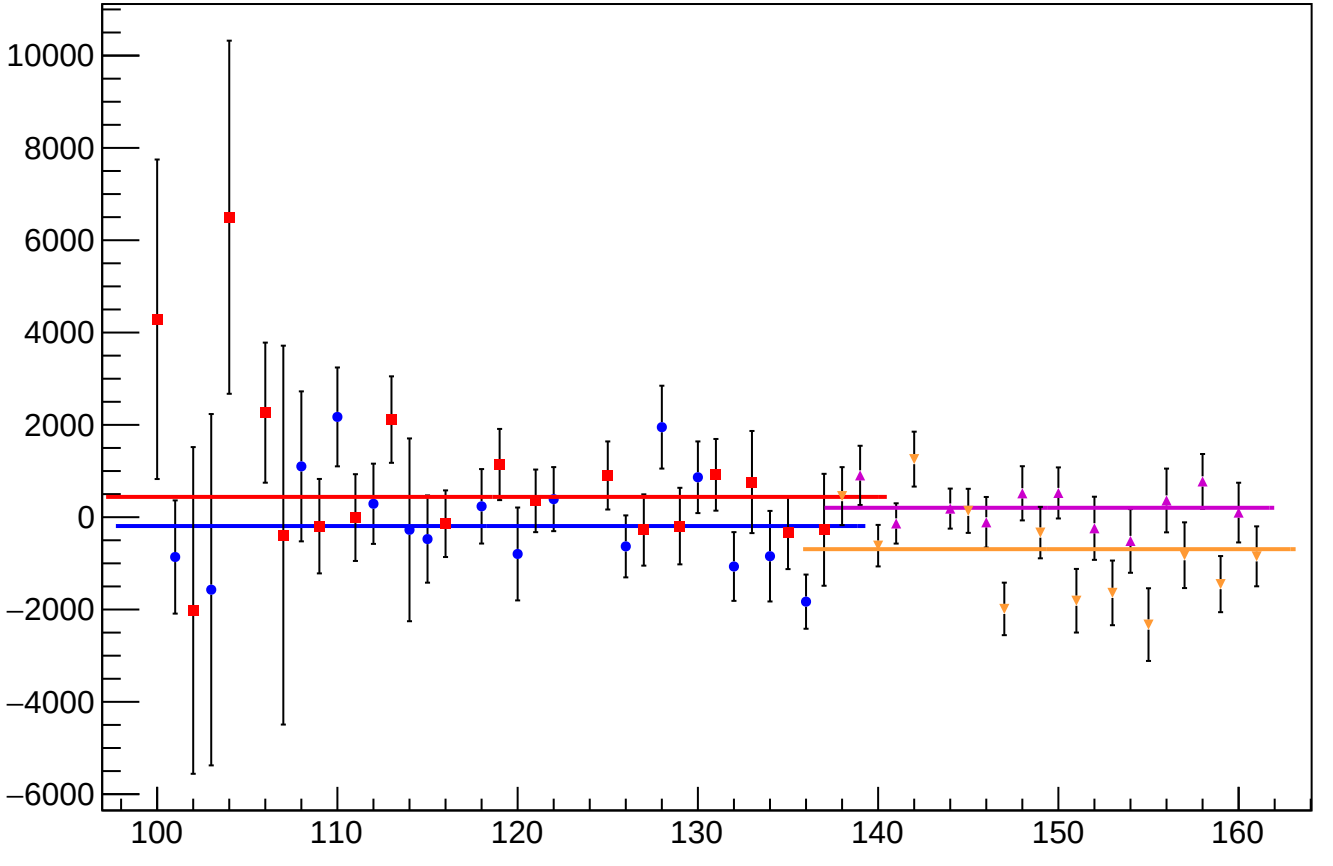
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1172.179+/-0.203 χ^2/NDF:374086.4/26

Out: 1187.905+/-0.207 χ^2/NDF:664562.2/29

All: 1179.914+/-0.145 χ^2/NDF: 1041590.4/56

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -692.487+/-171.960 χ^2/NDF:33.2/11

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 203.640+/-171.371 χ^2/NDF:5.3/10

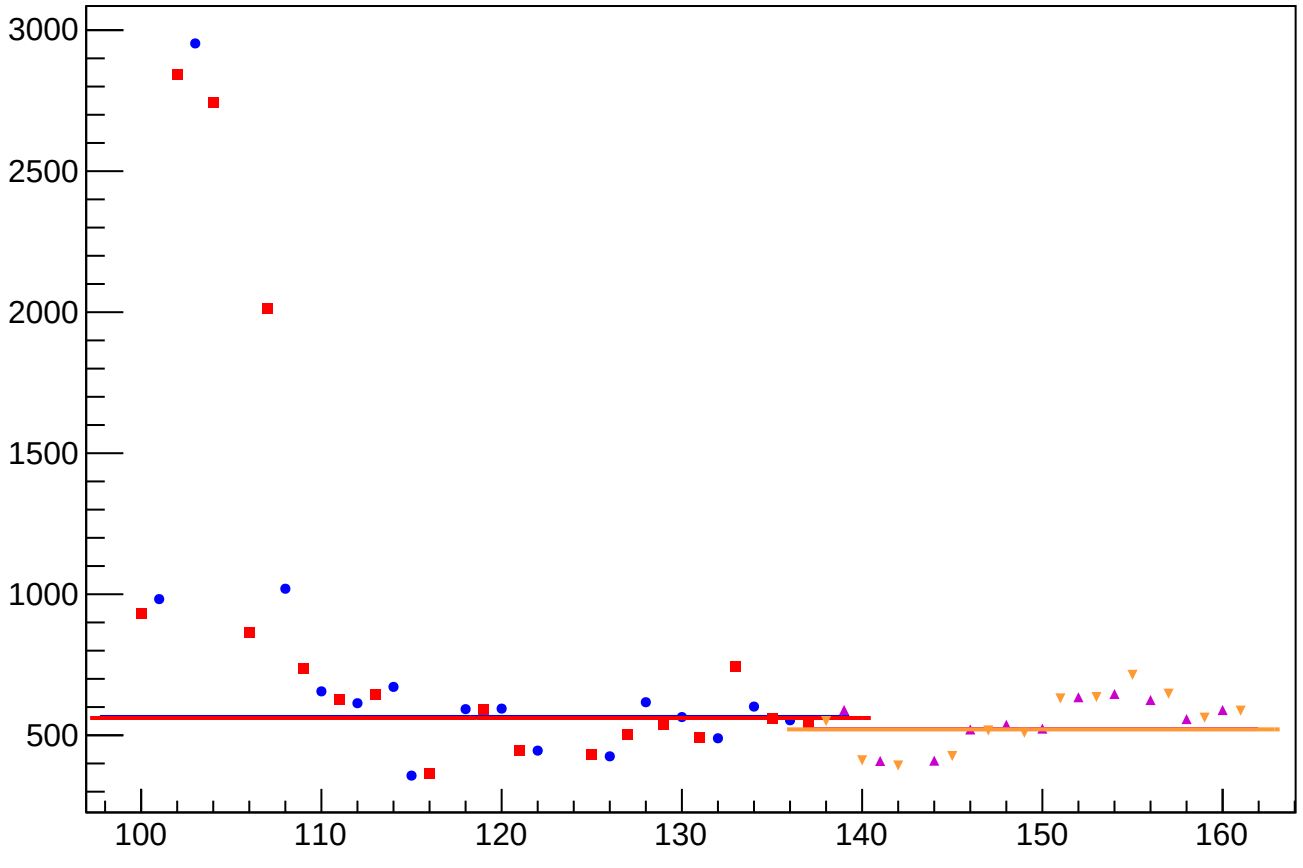
Left: -242.886+/-121.385 χ^2/NDF: 52.0/22

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

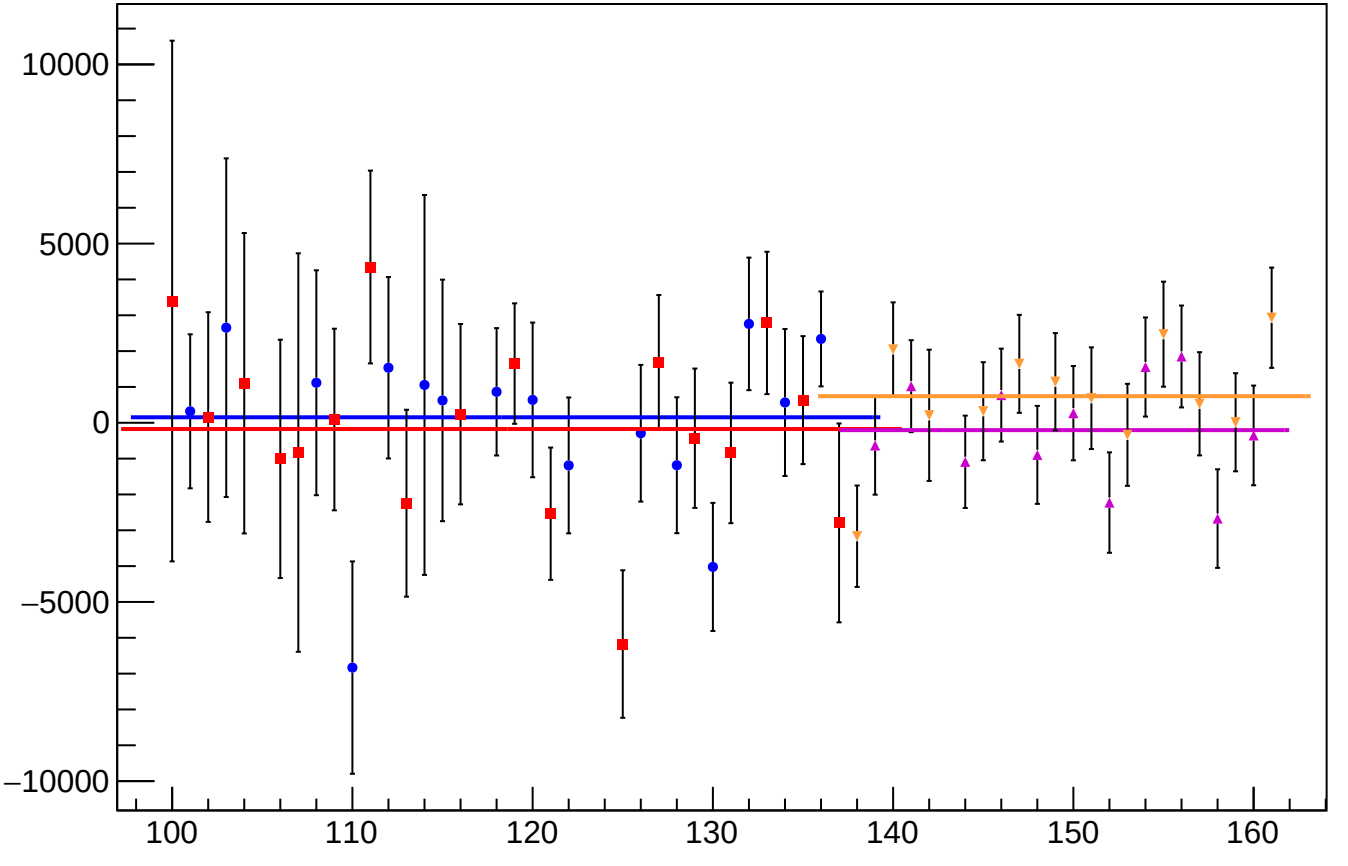
In: 56.723+/-135.828 χ^2/NDF:32.5/26

Out: -278.781+/-136.982 χ^2/NDF:63.6/29

All: -109.610+/-96.451 χ^2/NDF: 99.2/56


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 564.871+/-0.158 χ²/NDF: 1480372.9/15
Left Out: 520.957+/-0.122 χ²/NDF:613679.8/11
Right Out: 561.273+/-0.160 χ²/NDF: 2273372.4/17
Left In: 522.049+/-0.121 χ²/NDF:484321.8/10
Left: 521.505+/-0.086 χ²/NDF: 1098042.0/22
Right: 563.103+/-0.112 χ²/NDF: 3754001.7/33
In: 537.969+/-0.096 χ²/NDF:2011122.4/26
Out: 535.690+/-0.097 χ²/NDF:2927225.1/29
All: 536.839+/-0.068 χ²/NDF: 4938626.7/56

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 741.450+/-409.221 χ^2/NDF:14.0/11

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -205.151+/-407.569 χ^2/NDF:11.5/10

Left: 266.235+/-288.777 χ^2/NDF: 28.2/22

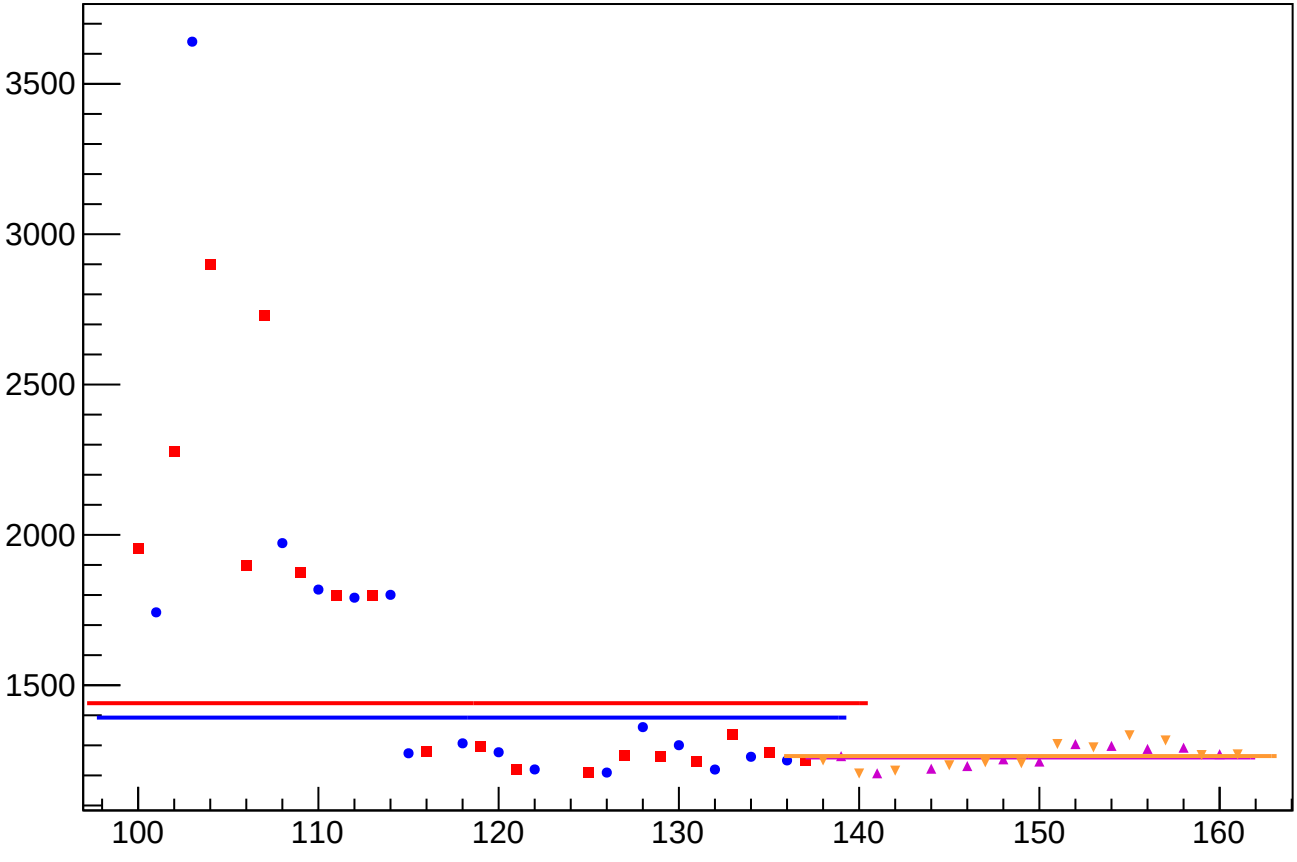
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -72.581+/-323.558 χ^2/NDF:29.5/26

Out: 415.250+/-328.346 χ^2/NDF:35.5/29

All: 167.752+/-230.465 χ^2/NDF: 66.1/56

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.358+/-0.289 χ^2/NDF:17096.4/11

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.684+/-0.288 χ^2/NDF:11897.7/10

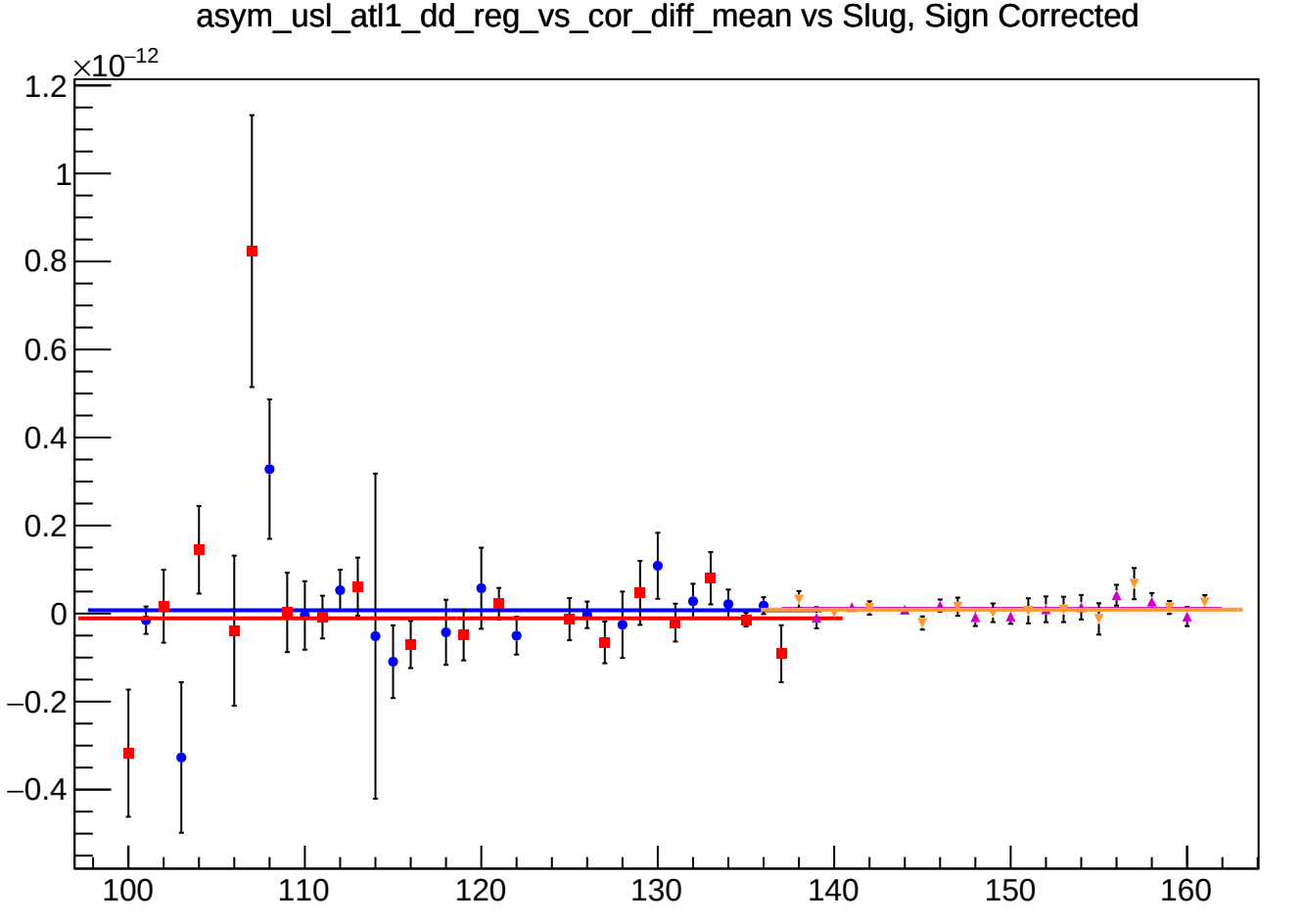
Left: 1262.012+/-0.204 χ^2/NDF: 29125.0/22

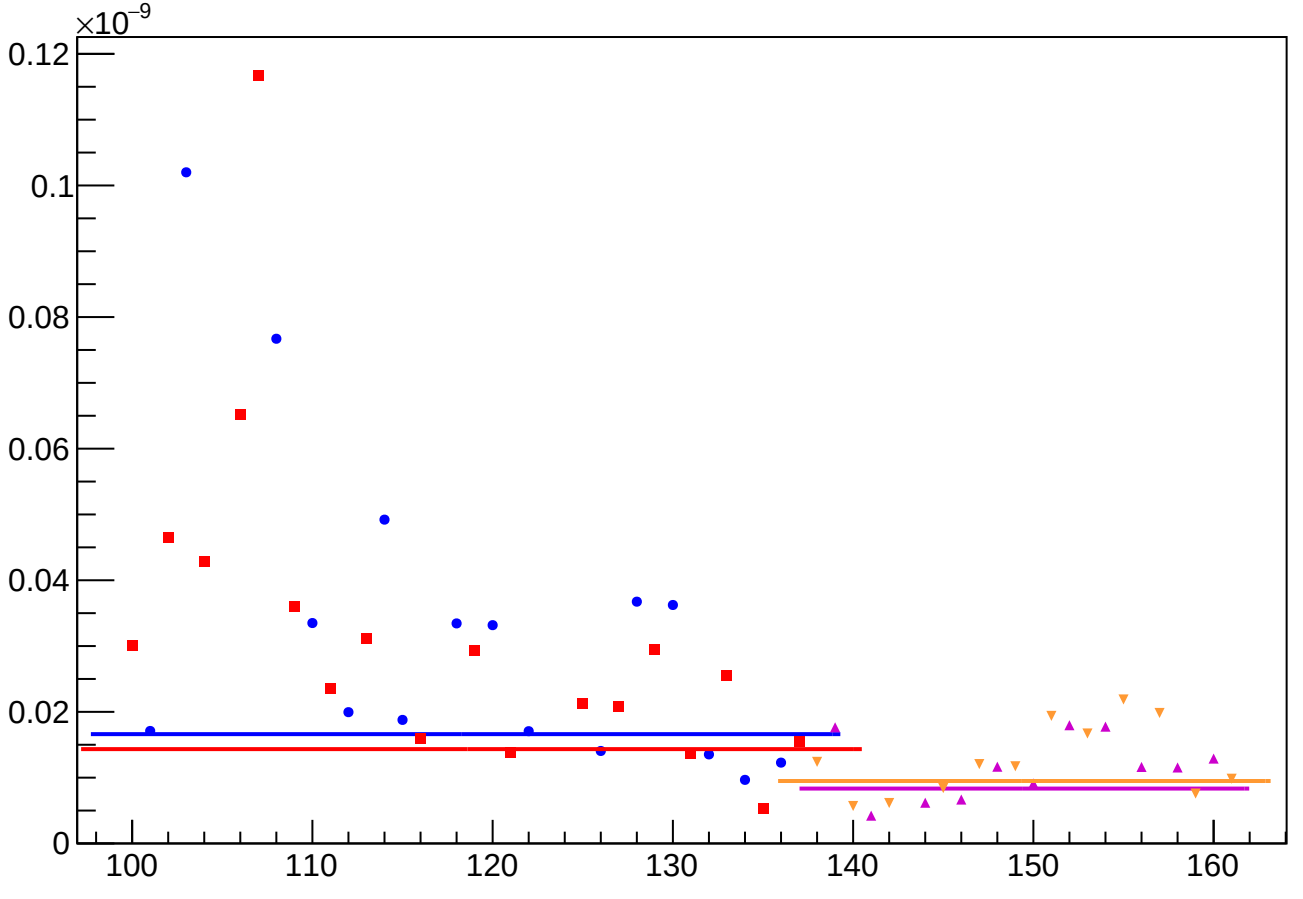
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1308.720+/-0.229 χ^2/NDF:869433.5/26

Out: 1327.001+/-0.232 χ^2/NDF:1003555.2/29

All: 1317.727+/-0.163 χ^2/NDF: 1876134.0/56


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/11
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:6.2/10
Left: 0.000+/-0.000 χ²/NDF: 16.6/22
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:23.2/26
Out: 0.000+/-0.000 χ²/NDF:37.1/29
All: 0.000+/-0.000 χ²/NDF: 61.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252446.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1484345.9/10

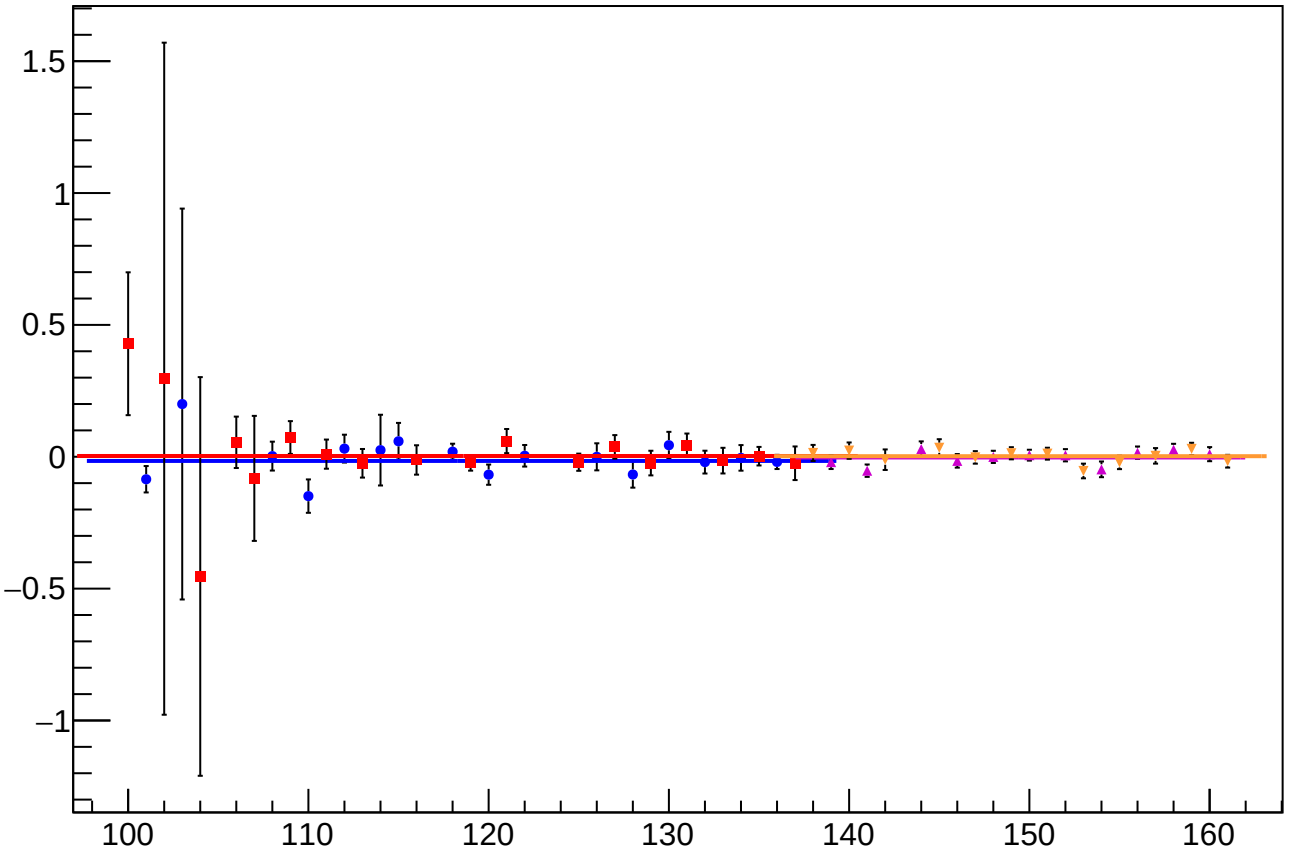
Left: 0.000+/-0.000 χ^2/NDF: 2788475.8/22

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4022393.3/26

Out: 0.000+/-0.000 χ^2/NDF:3846252.0/29

All: 0.000+/-0.000 χ^2/NDF: 7893343.6/56



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:11.6/10

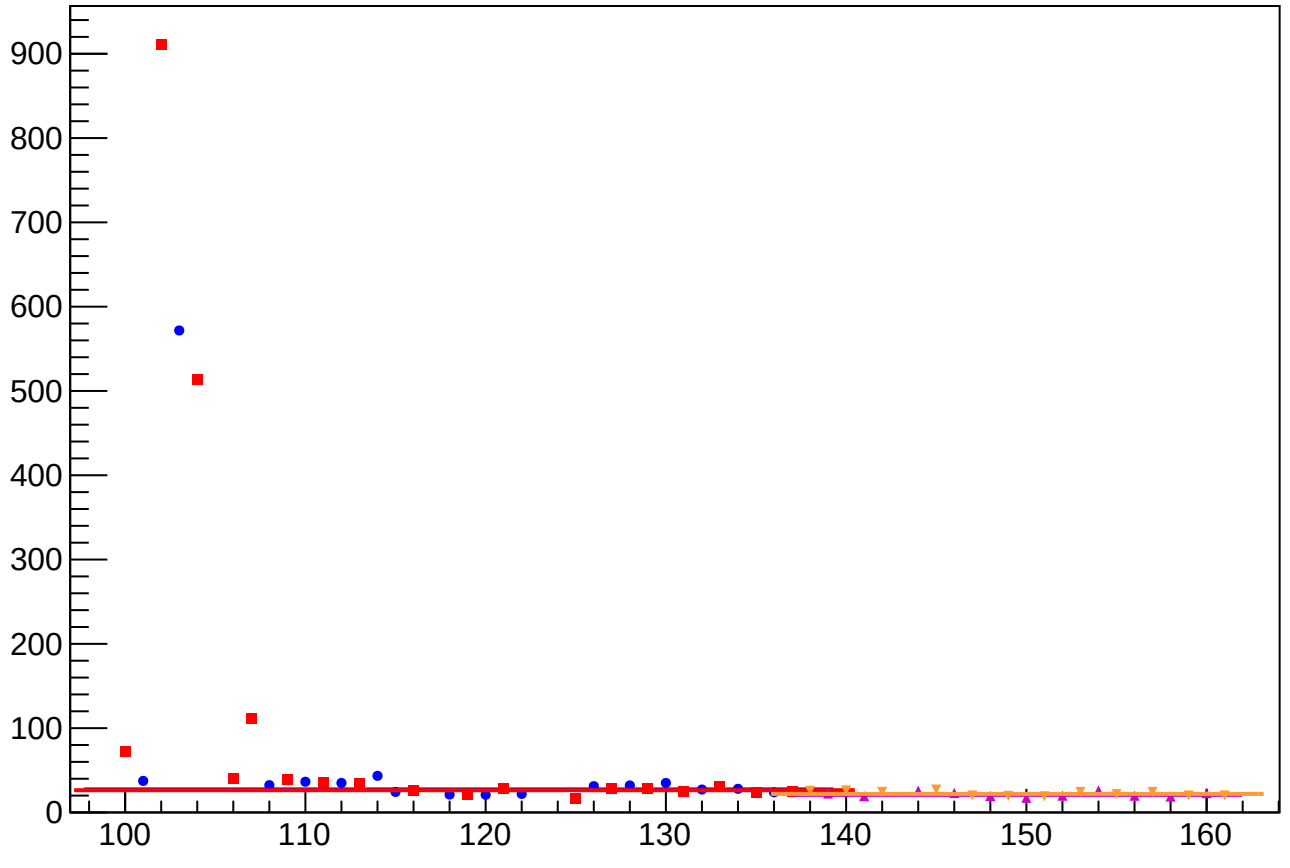
Left: -0.000+/-0.005 χ^2/NDF: 20.8/22

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.002+/-0.006 χ^2/NDF:18.9/29

All: -0.002+/-0.004 χ^2/NDF: 47.0/56



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.988+/-0.005 χ^2/NDF:233447.4/11

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

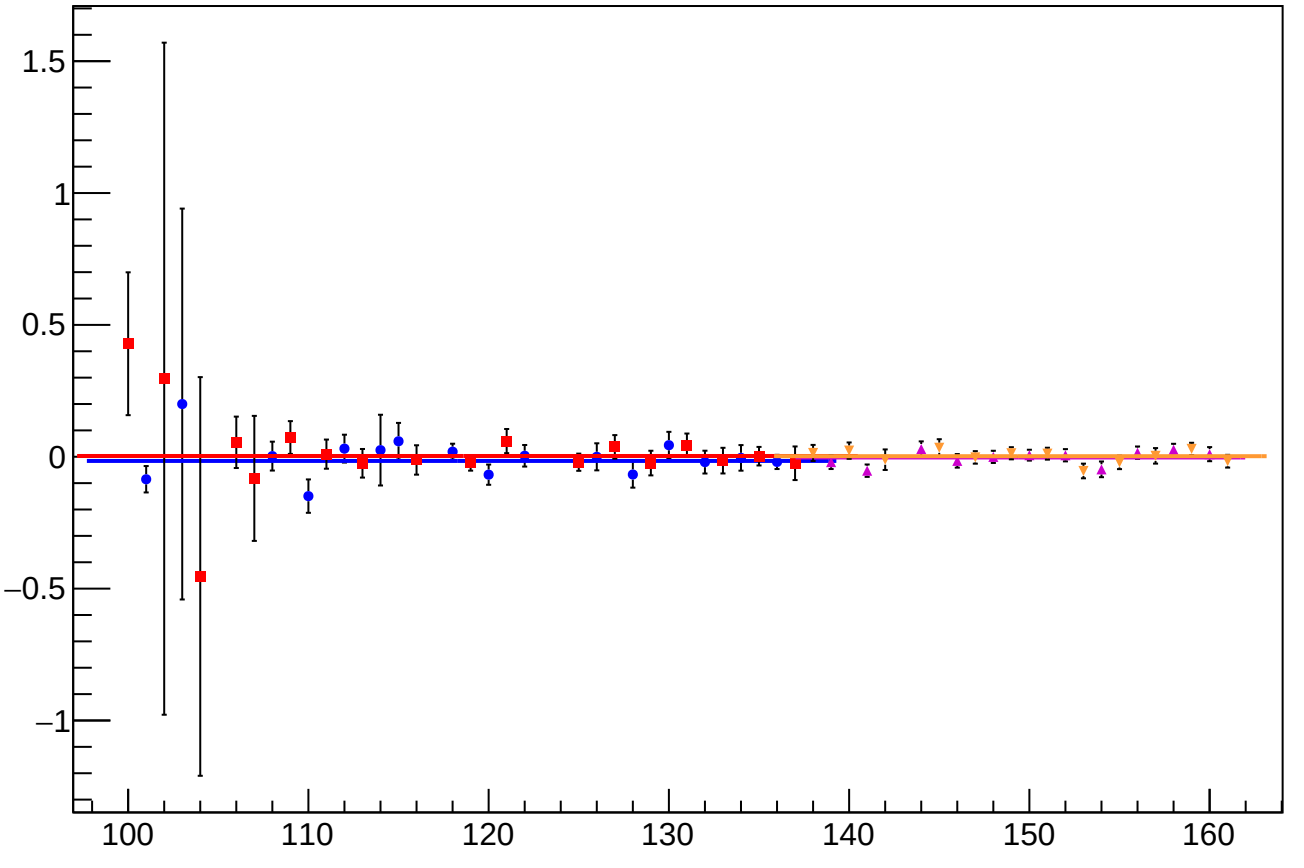
Left: 21.396+/-0.004 χ^2/NDF: 502663.6/22

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.723+/-0.004 χ^2/NDF:2257453.5/26

Out: 23.273+/-0.005 χ^2/NDF:3039028.2/29

All: 22.987+/-0.003 χ^2/NDF: 5303974.8/56



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: -0.000+/-0.005 χ^2/NDF: 20.8/22

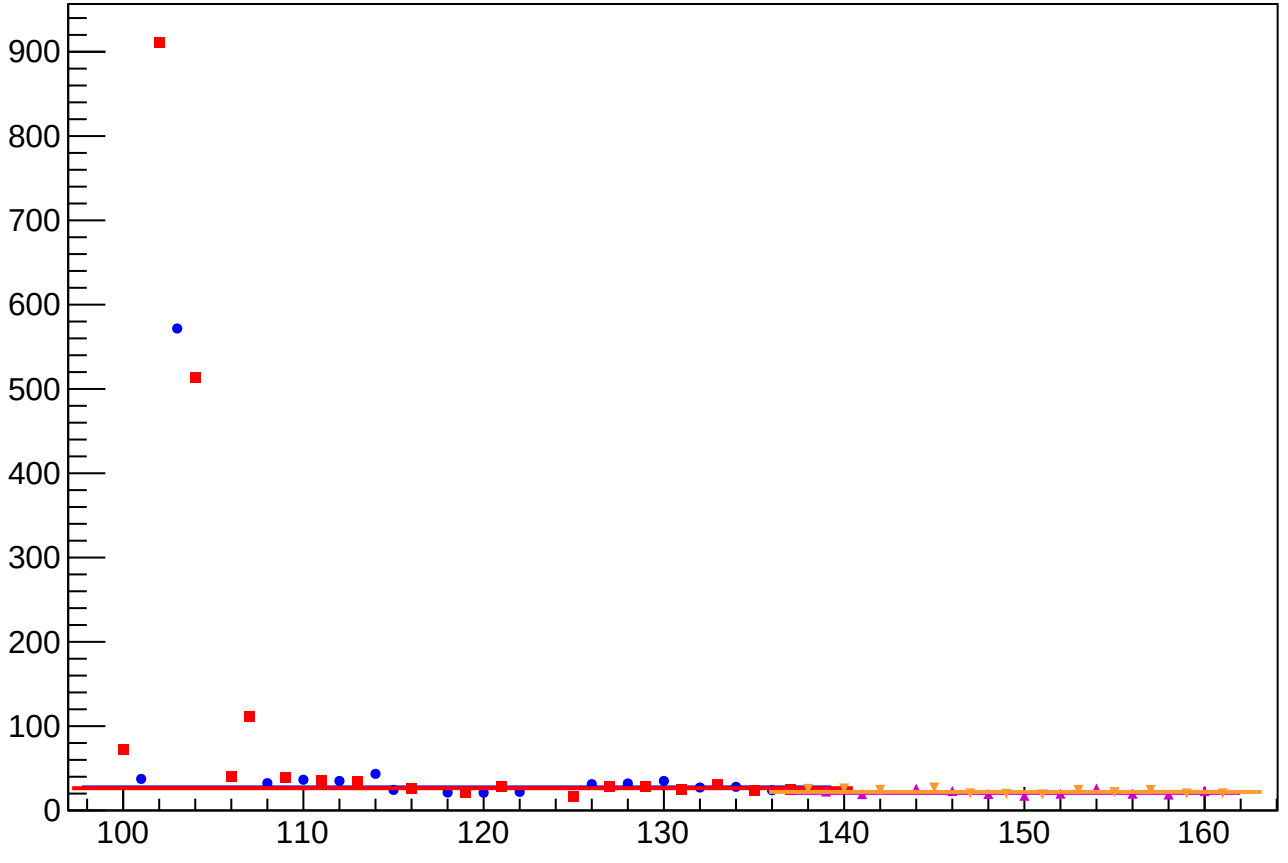
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.002+/-0.006 χ^2/NDF:18.9/29

All: -0.002+/-0.004 χ^2/NDF: 47.0/56

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: 21.988+/-0.005 χ^2/NDF:233447.4/11

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

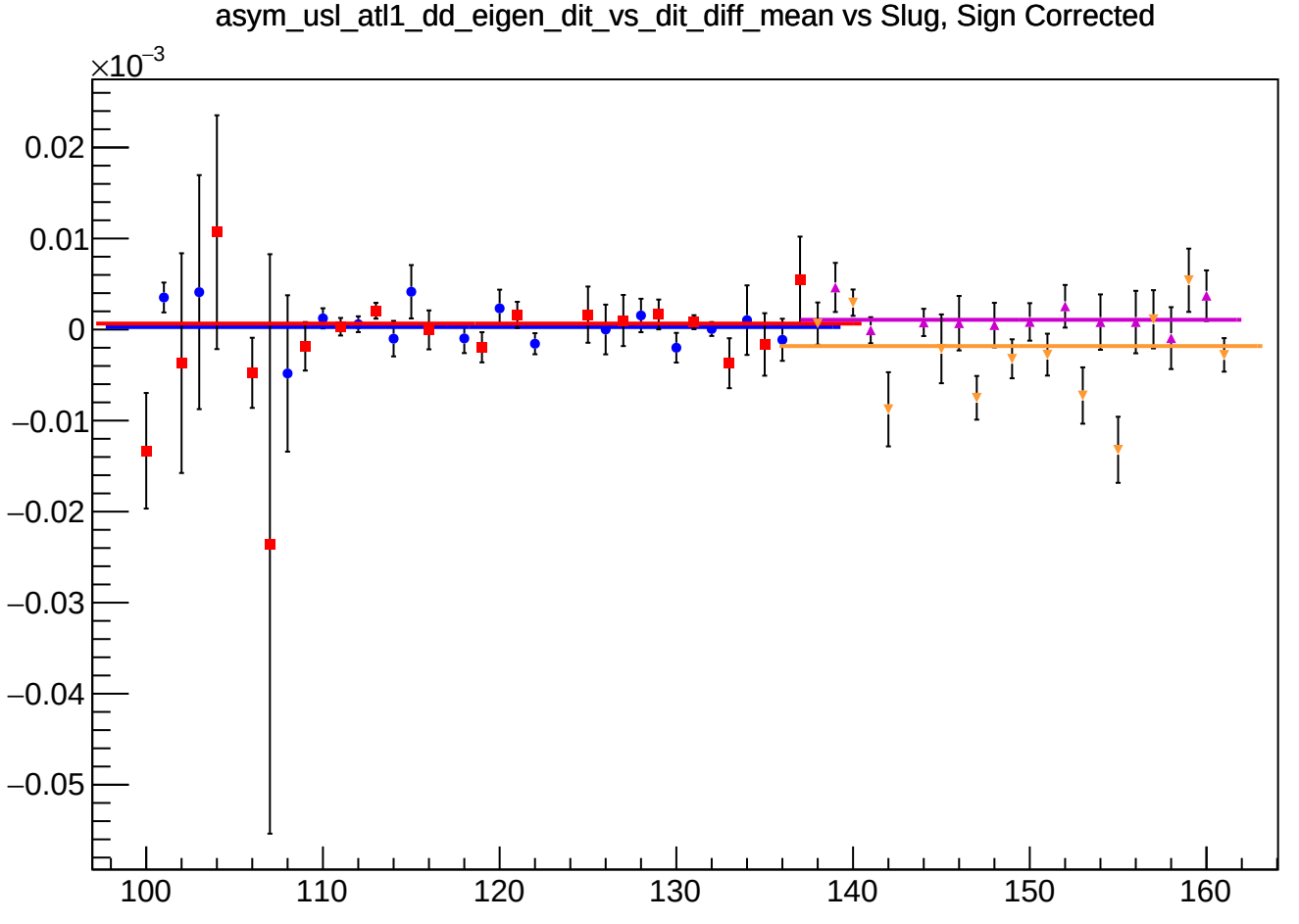
Left: 21.396+/-0.004 χ^2/NDF: 502663.6/22

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.723+/-0.004 χ^2/NDF:2257453.5/26

Out: 23.273+/-0.005 χ^2/NDF:3039028.2/29

All: 22.987+/-0.003 χ^2/NDF: 5303974.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/10

Left: -0.000+/-0.000 χ^2/NDF: 52.4/22

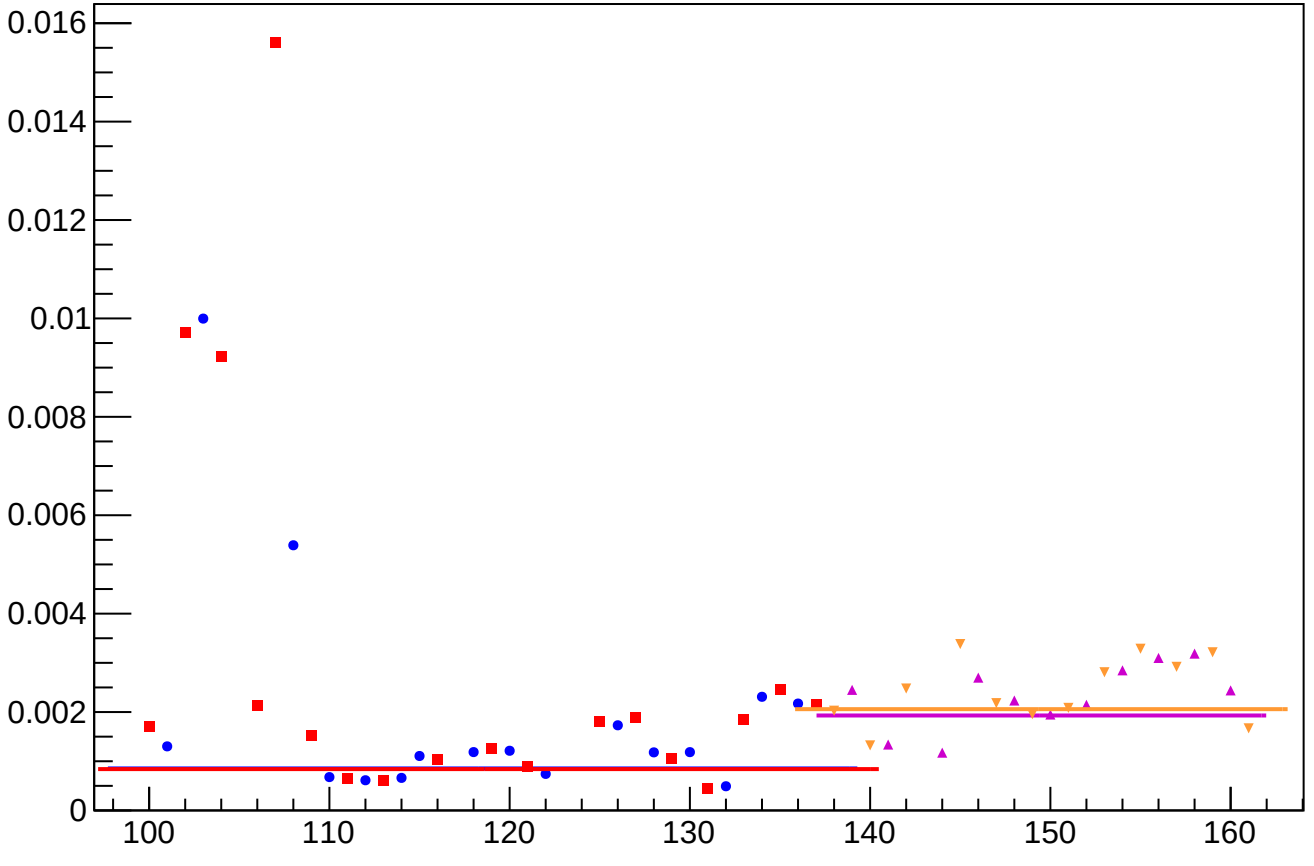
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:19.6/26

Out: 0.000+/-0.000 χ^2/NDF:68.2/29

All: 0.000+/-0.000 χ^2/NDF: 88.6/56

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:1597798.6/11

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1860226.1/10

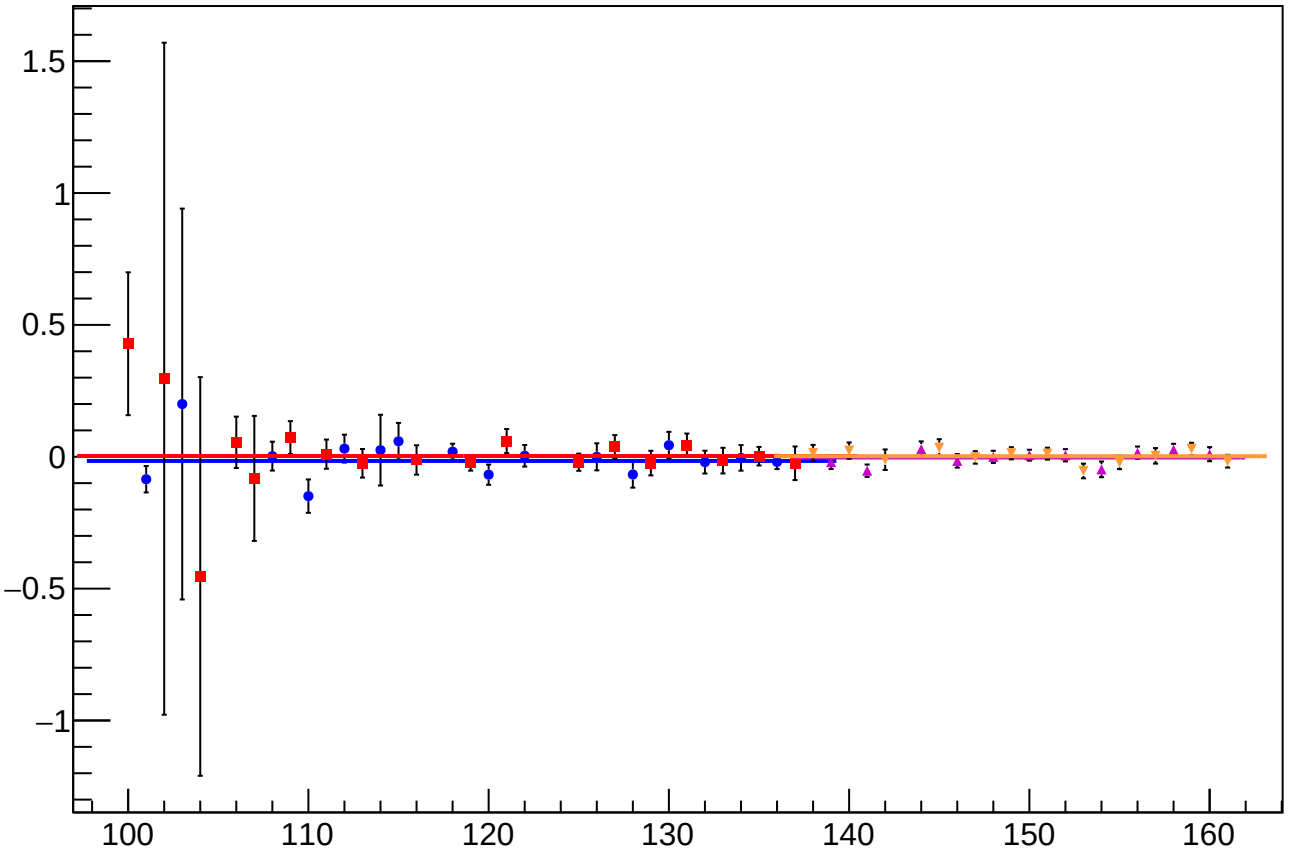
Left: 0.002+/-0.000 χ^2/NDF: 3492791.6/22

Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9584711.1/26

Out: 0.001+/-0.000 χ^2/NDF:11192846.6/29

All: 0.001+/-0.000 χ^2/NDF: 20786075.2/56



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: -0.000+/-0.005 χ^2/NDF: 20.8/22

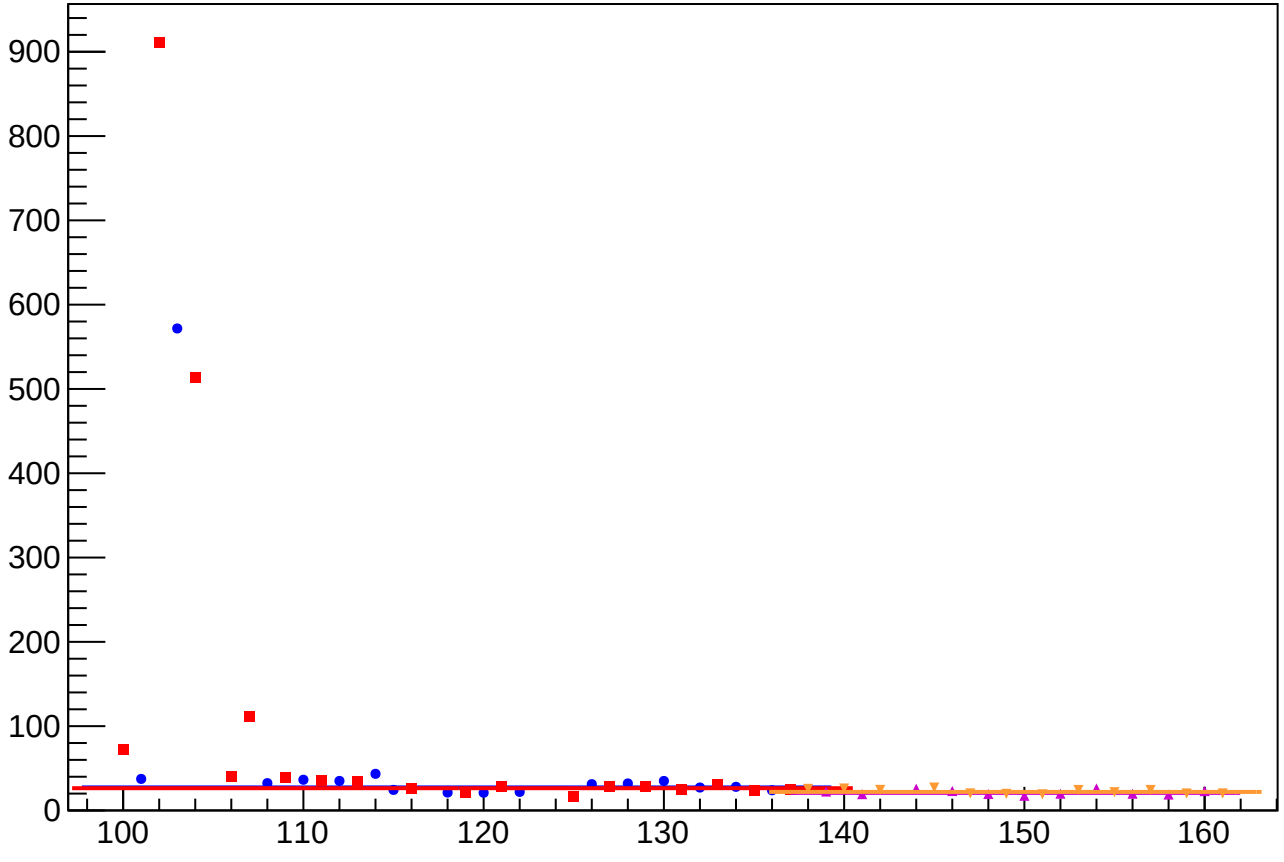
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.002+/-0.006 χ^2/NDF:18.9/29

All: -0.002+/-0.004 χ^2/NDF: 47.0/56

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: 21.988+/-0.005 χ^2/NDF:233418.2/11

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

Left: 21.396+/-0.004 χ^2/NDF: 502650.2/22

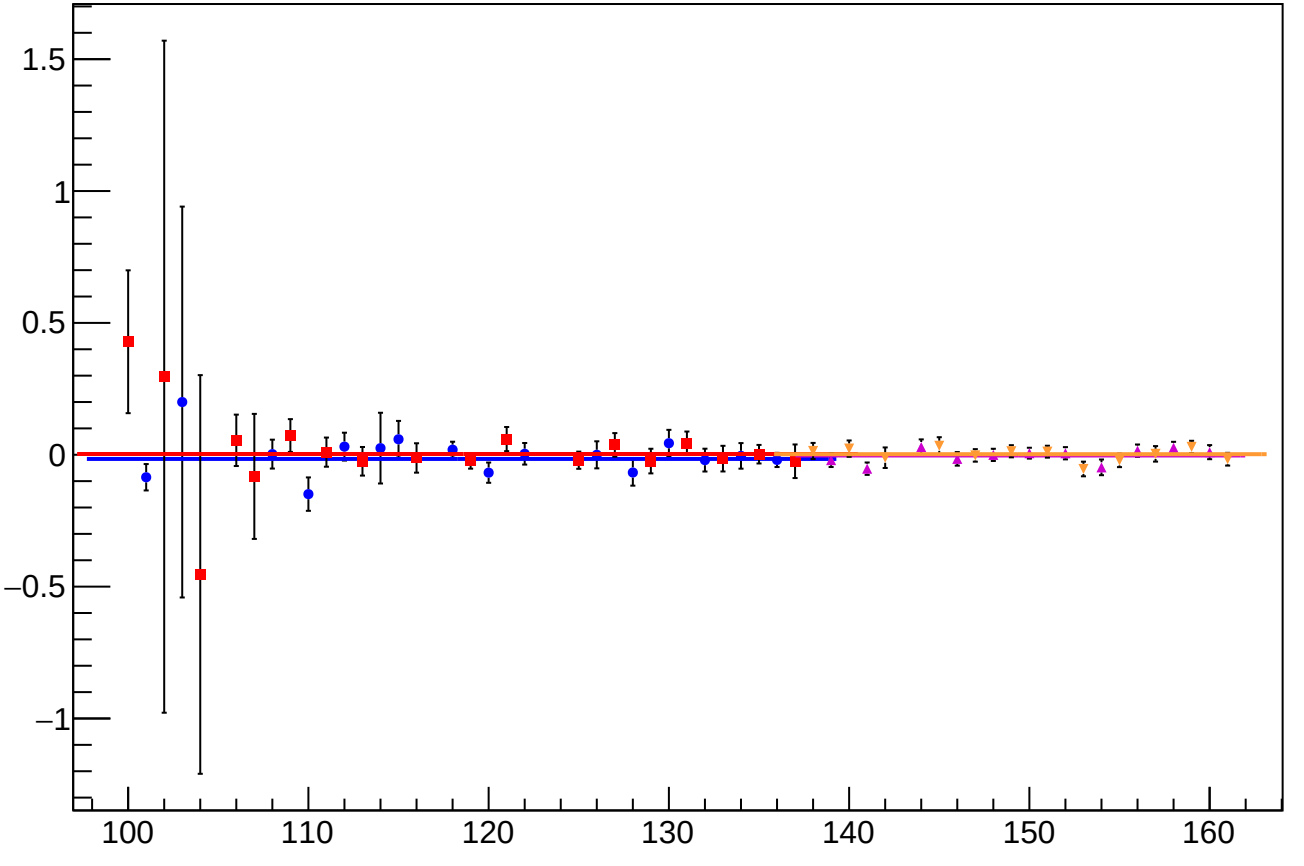
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.723+/-0.004 χ^2/NDF:2257469.1/26

Out: 23.273+/-0.005 χ^2/NDF:3039019.4/29

All: 22.987+/-0.003 χ^2/NDF: 5303981.8/56

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: 0.002+/-0.008 χ^2/NDF:9.1/11

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.003+/-0.007 χ^2/NDF:11.6/10

Left: -0.000+/-0.005 χ^2/NDF: 20.8/22

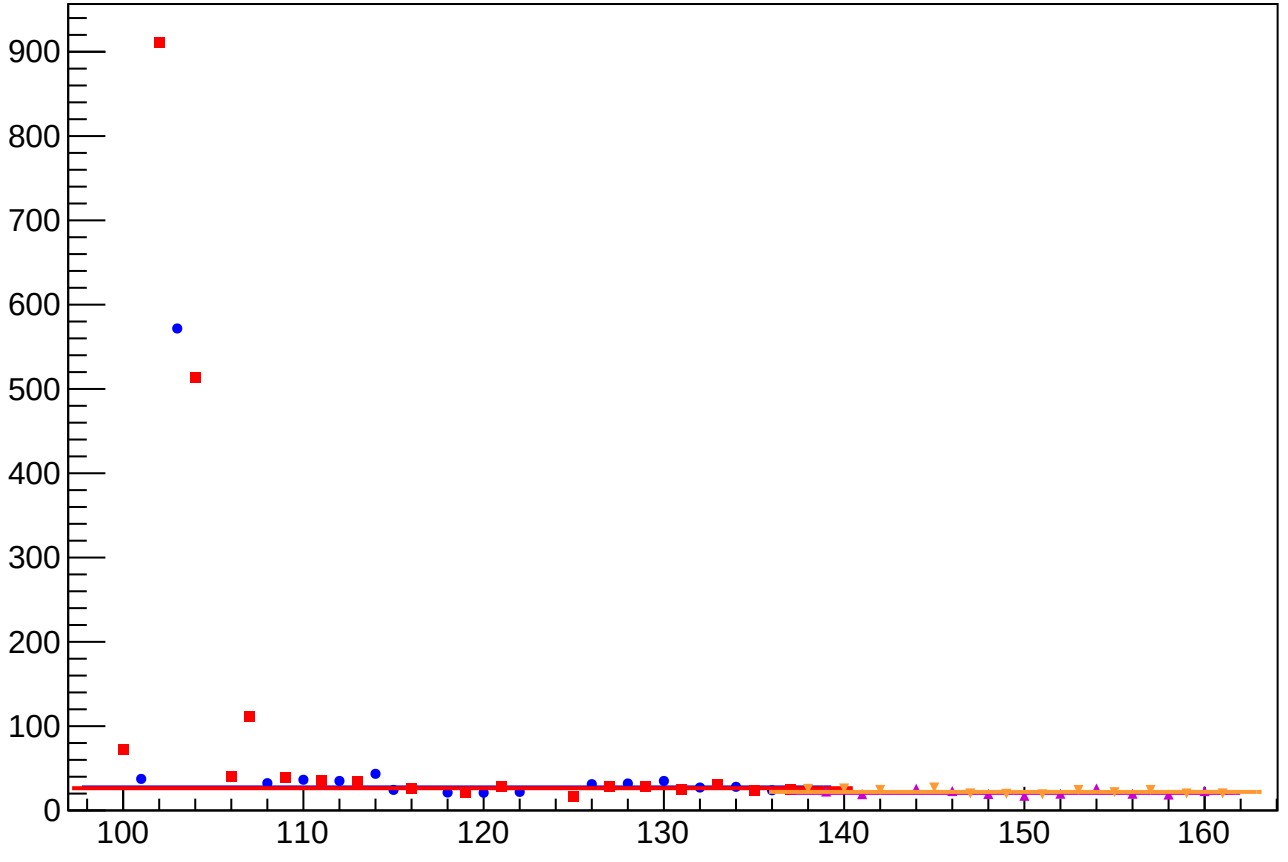
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.006+/-0.006 χ^2/NDF:27.1/26

Out: 0.002+/-0.006 χ^2/NDF:18.9/29

All: -0.002+/-0.004 χ^2/NDF: 47.0/56

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: 21.988+/-0.005 χ^2/NDF:233418.2/11

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

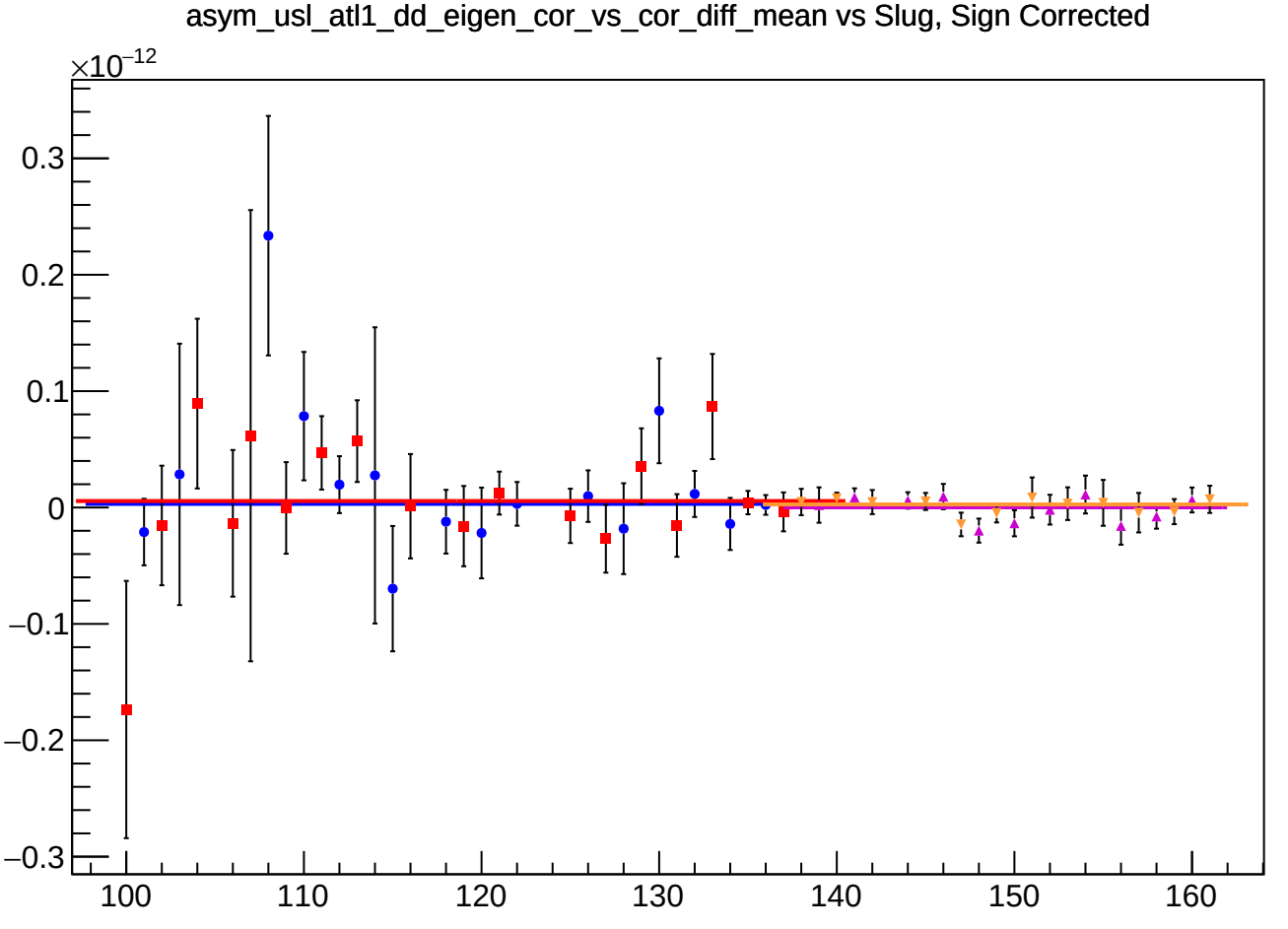
Left: 21.396+/-0.004 χ^2/NDF: 502650.2/22

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.723+/-0.004 χ^2/NDF:2257469.1/26

Out: 23.273+/-0.005 χ^2/NDF:3039019.4/29

All: 22.987+/-0.003 χ^2/NDF: 5303981.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/10

Left: 0.000+/-0.000 χ^2/NDF: 16.4/22

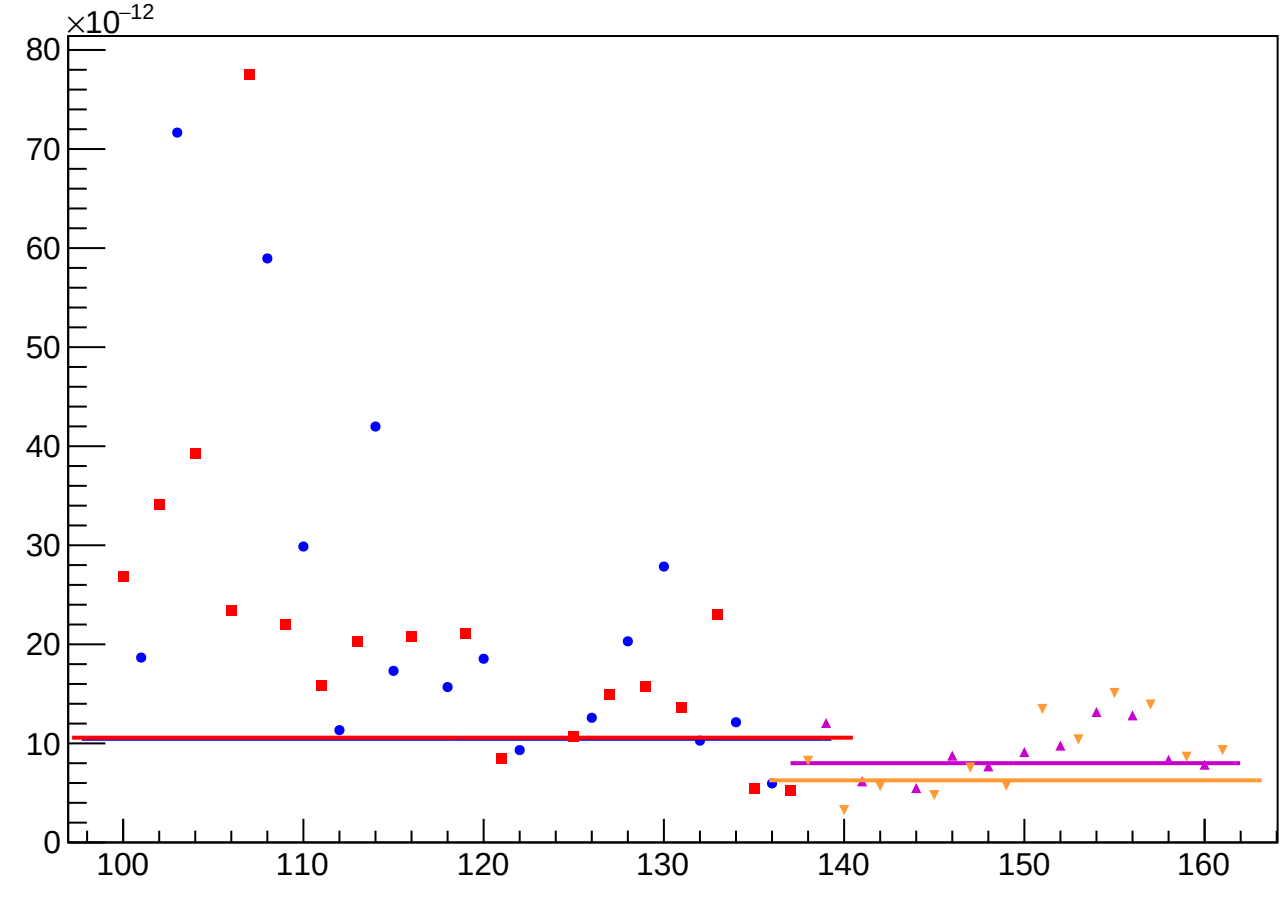
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:25.5/26

Out: 0.000+/-0.000 χ^2/NDF:21.3/29

All: 0.000+/-0.000 χ^2/NDF: 47.1/56

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:2497993.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:957946.2/10

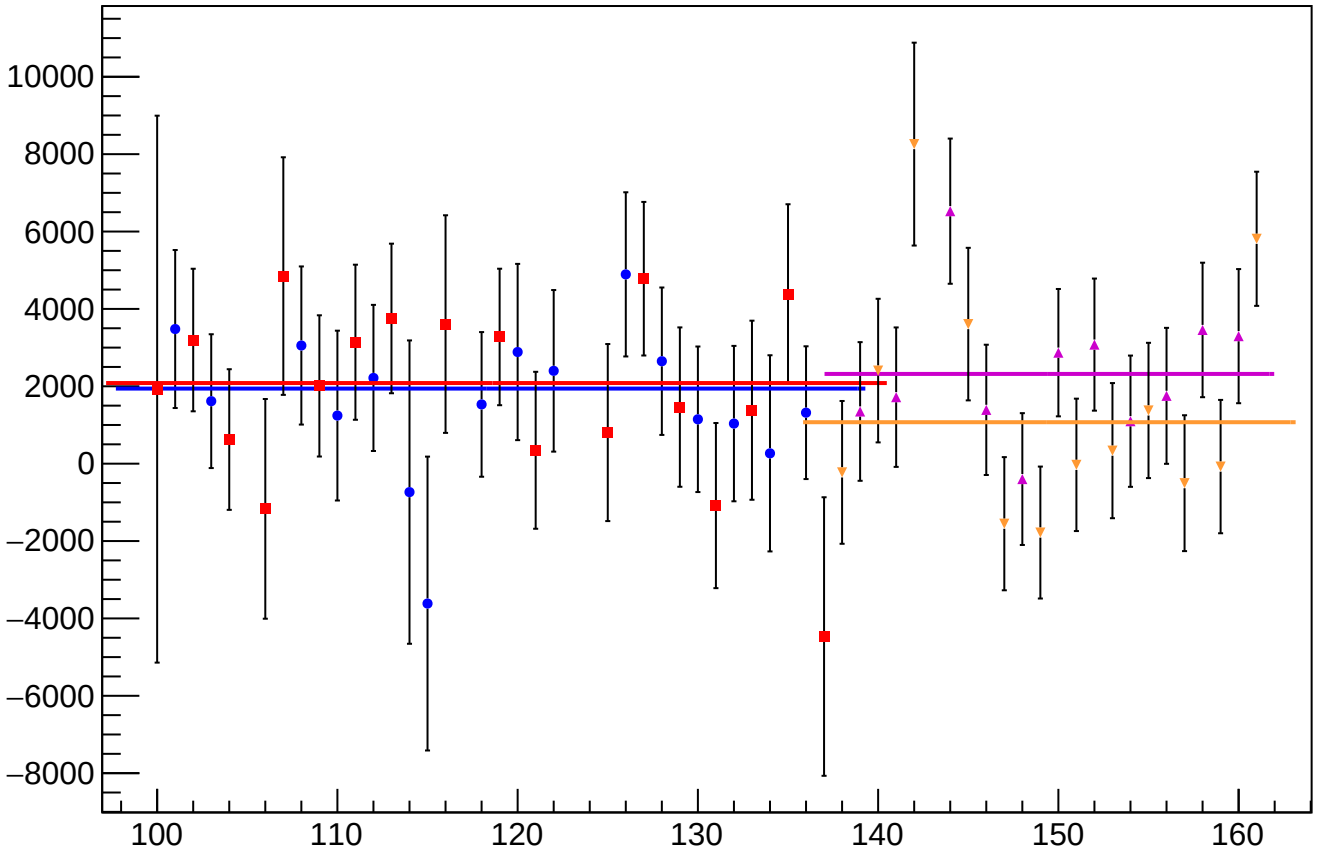
Left: 0.000+/-0.000 χ^2/NDF: 3795371.2/22

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4033155.7/26

Out: 0.000+/-0.000 χ^2/NDF:6101047.4/29

All: 0.000+/-0.000 χ^2/NDF: 10492016.7/56



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.696+/-522.830 χ^2/NDF:24.7/11

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2319.543+/-523.582 χ^2/NDF:10.0/10

Left: 1694.722+/-369.962 χ^2/NDF: 37.5/22

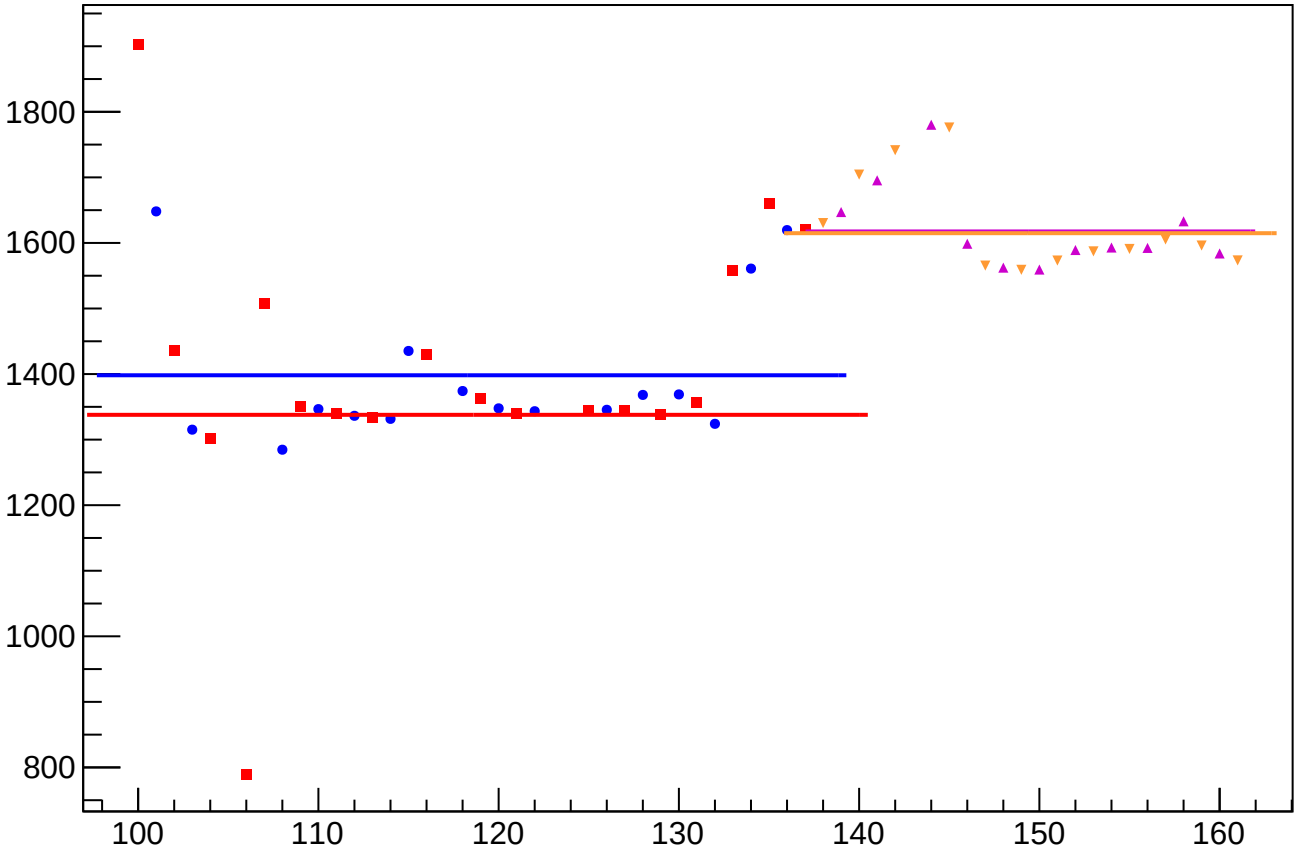
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2129.749+/-369.730 χ^2/NDF:17.1/26

Out: 1580.976+/-368.543 χ^2/NDF:41.0/29

All: 1854.481+/-261.018 χ^2/NDF: 59.3/56

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

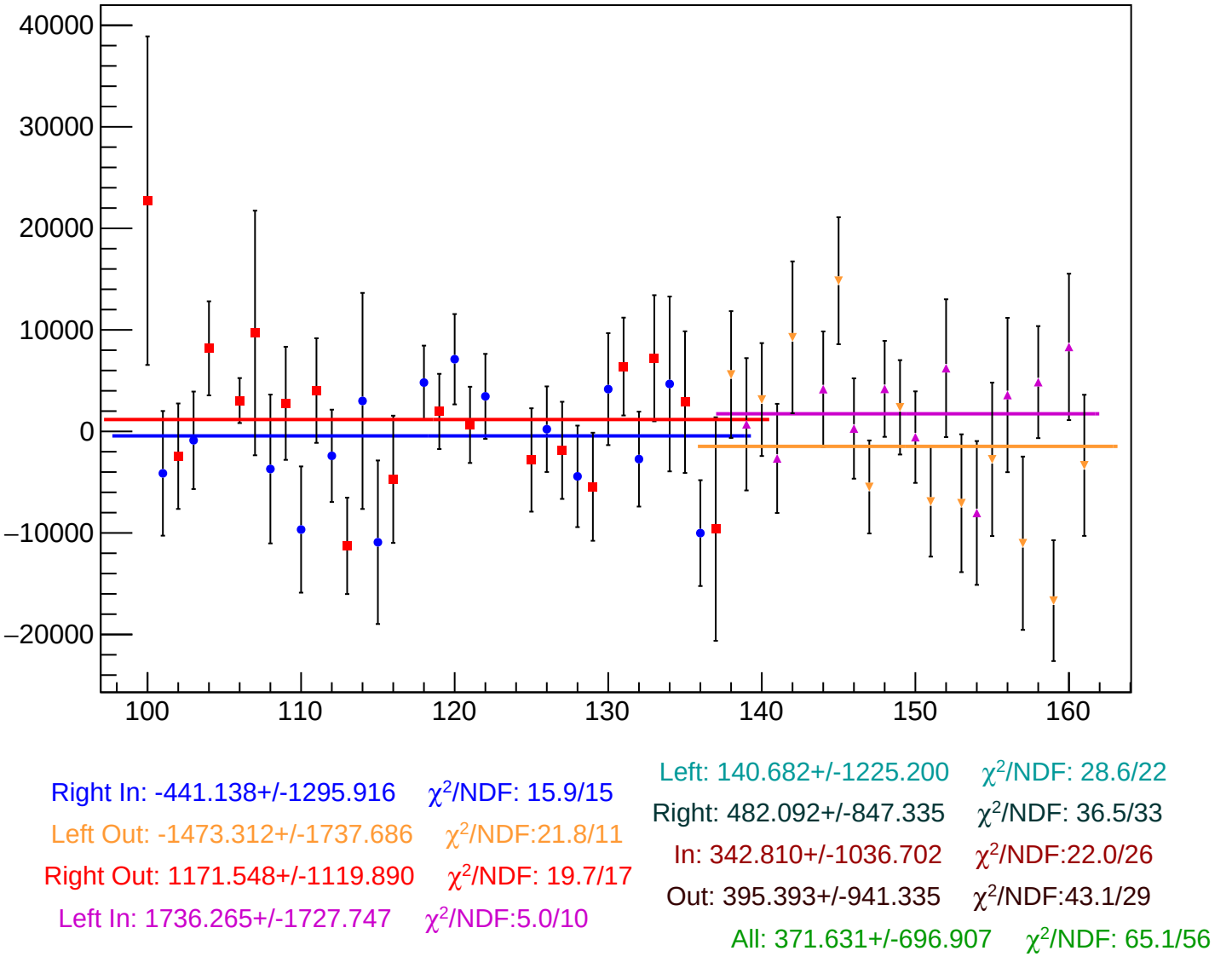
Left: 1616.201+/-0.262 χ^2/NDF: 56608.0/22

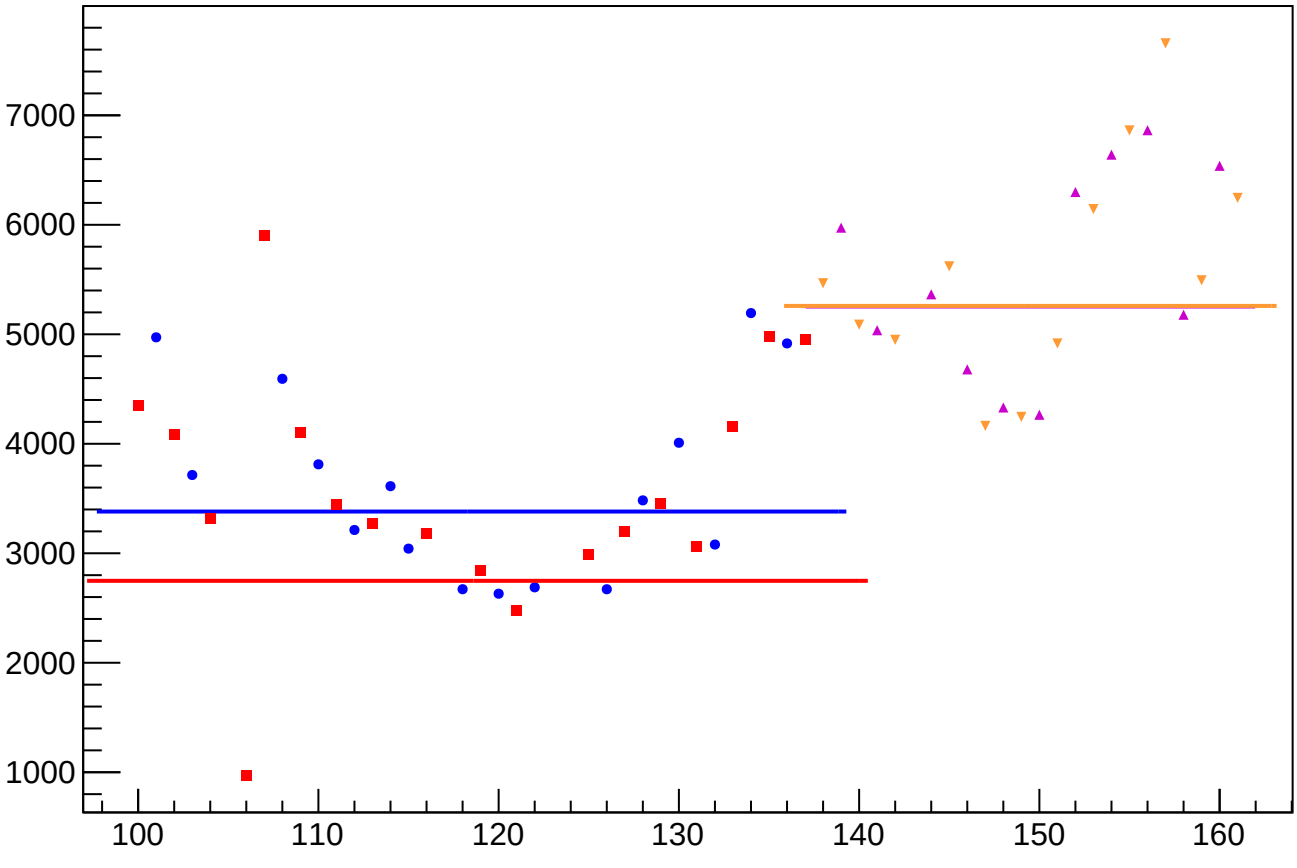
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1507.552+/-0.261 χ^2/NDF:296407.9/26

Out: 1471.082+/-0.256 χ^2/NDF:639356.0/29

All: 1488.962+/-0.183 χ^2/NDF: 945683.4/56


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1473.312+/-1737.686 χ²/NDF:21.8/11
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1736.265+/-1727.747 χ²/NDF:5.0/10
Left: 140.682+/-1225.200 χ²/NDF: 28.6/22
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 342.810+/-1036.702 χ²/NDF:22.0/26
Out: 395.393+/-941.335 χ²/NDF:43.1/29
All: 371.631+/-696.907 χ²/NDF: 65.1/56



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5259.104+/-1.229 χ^2/NDF:556896.5/11

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5253.635+/-1.222 χ^2/NDF:505468.2/10

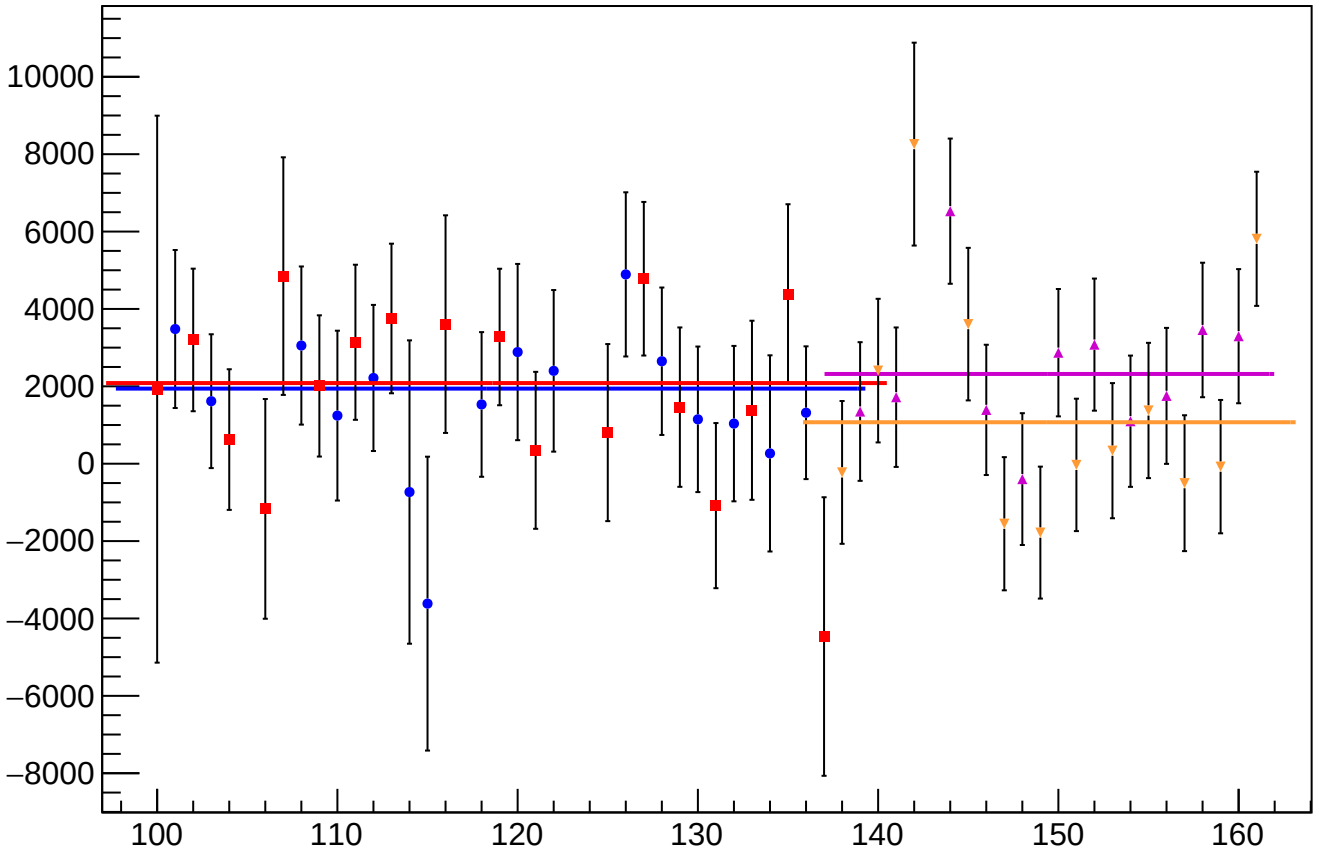
Left: 5256.354+/-0.866 χ^2/NDF: 1062374.6/22

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4055.294+/-0.733 χ^2/NDF:2766019.9/26

Out: 3485.166+/-0.666 χ^2/NDF:5771488.2/29

All: 3742.806+/-0.493 χ^2/NDF: 8869041.6/56



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.765+/-522.830 χ^2/NDF:24.7/11

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2319.642+/-523.582 χ^2/NDF:10.0/10

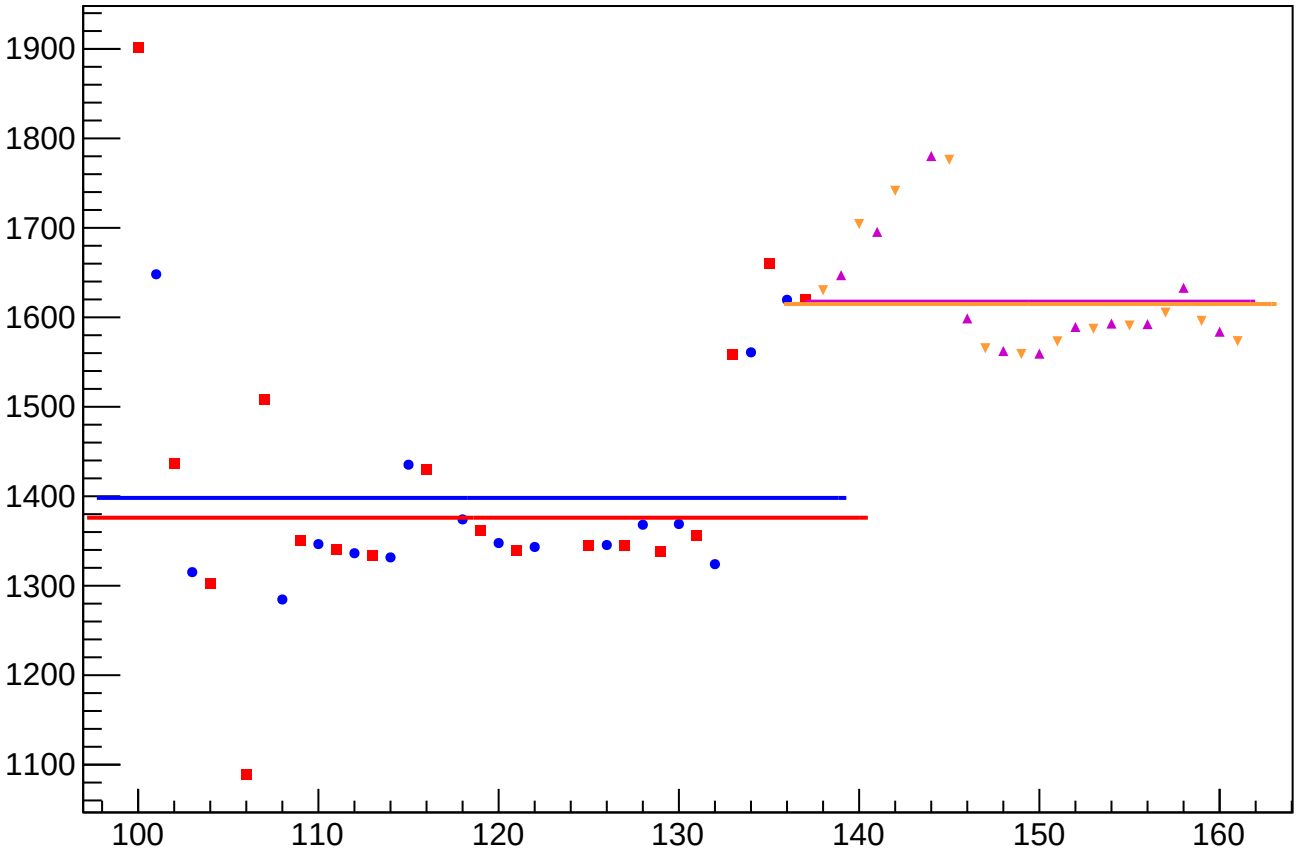
Left: 1694.806+/-369.962 χ^2/NDF: 37.5/22

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2129.827+/-369.730 χ^2/NDF:17.1/26

Out: 1581.115+/-368.545 χ^2/NDF:41.0/29

All: 1854.590+/-261.018 χ^2/NDF: 59.3/56



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

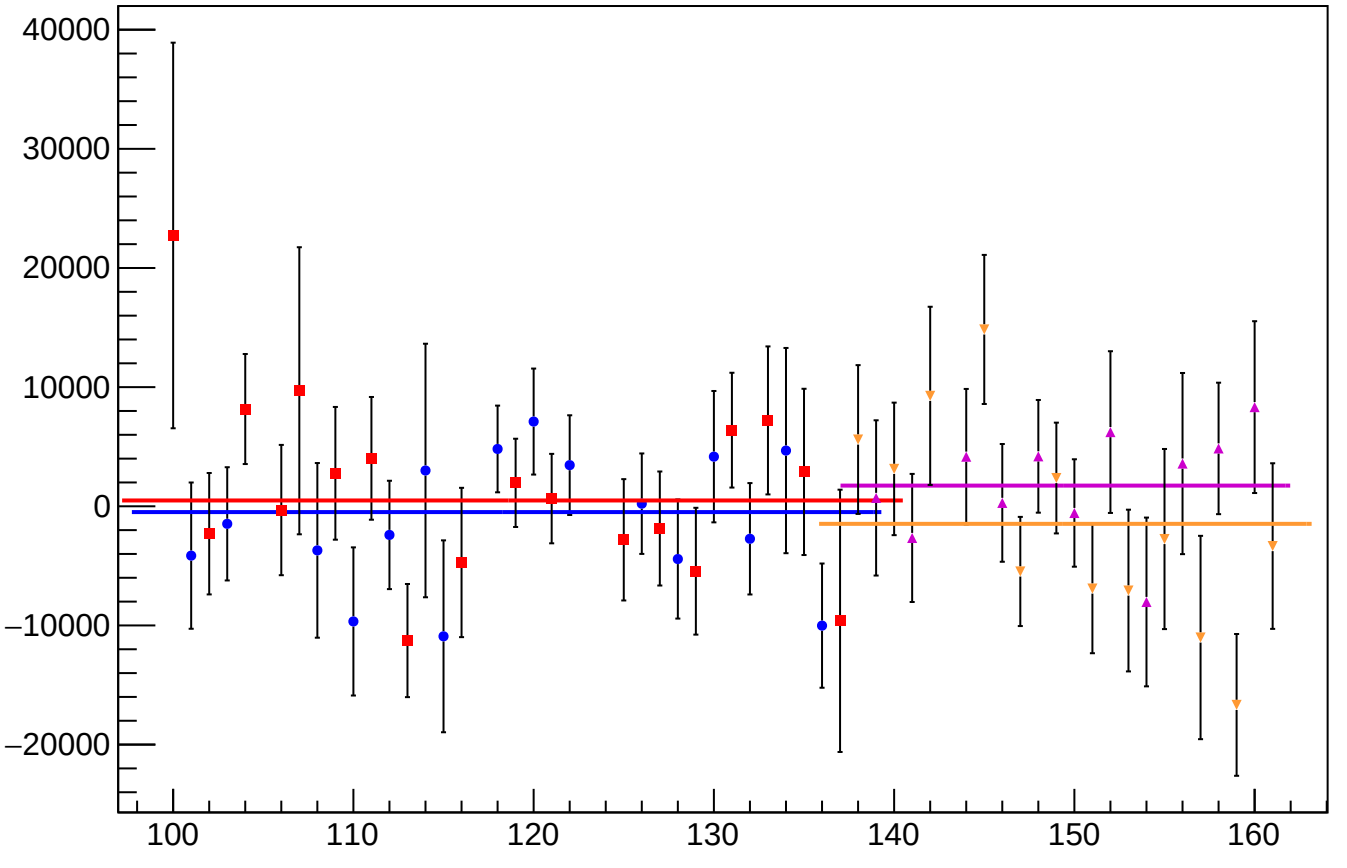
Left: 1616.201+/-0.262 χ^2/NDF: 56608.0/22

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1507.552+/-0.261 χ^2/NDF:296408.1/26

Out: 1493.105+/-0.259 χ^2/NDF:356948.2/29

All: 1500.257+/-0.184 χ^2/NDF: 654898.4/56



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1473.345+/-1737.687 χ^2/NDF:21.8/11

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1736.389+/-1727.745 χ^2/NDF:5.0/10

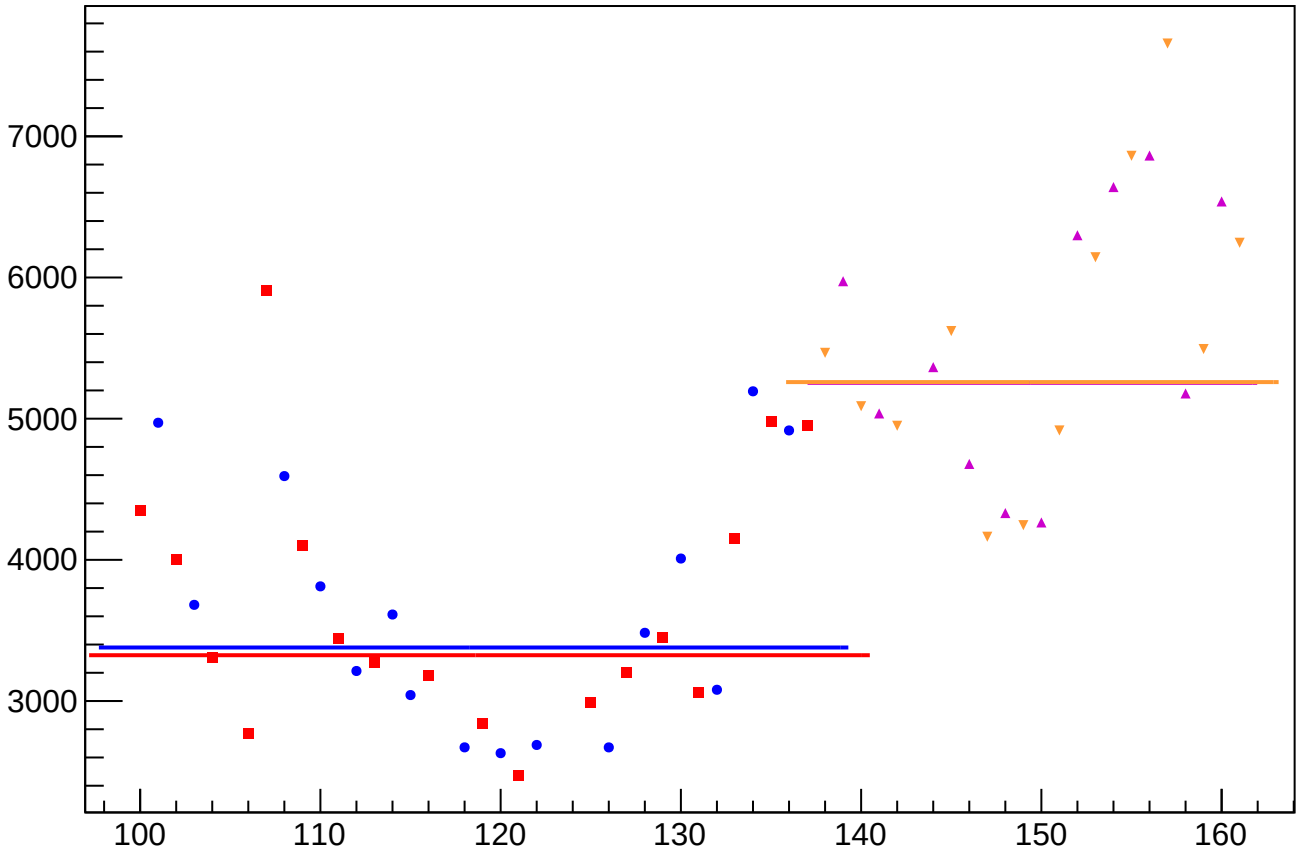
Left: 140.730+/-1225.200 χ^2/NDF: 28.6/22

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 313.005+/-1036.197 χ^2/NDF:22.1/26

Out: -188.404+/-1020.757 χ^2/NDF:41.4/29

All: 58.537+/-727.182 χ^2/NDF: 63.6/56



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5259.106+/-1.229 χ^2/NDF:556894.0/11

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

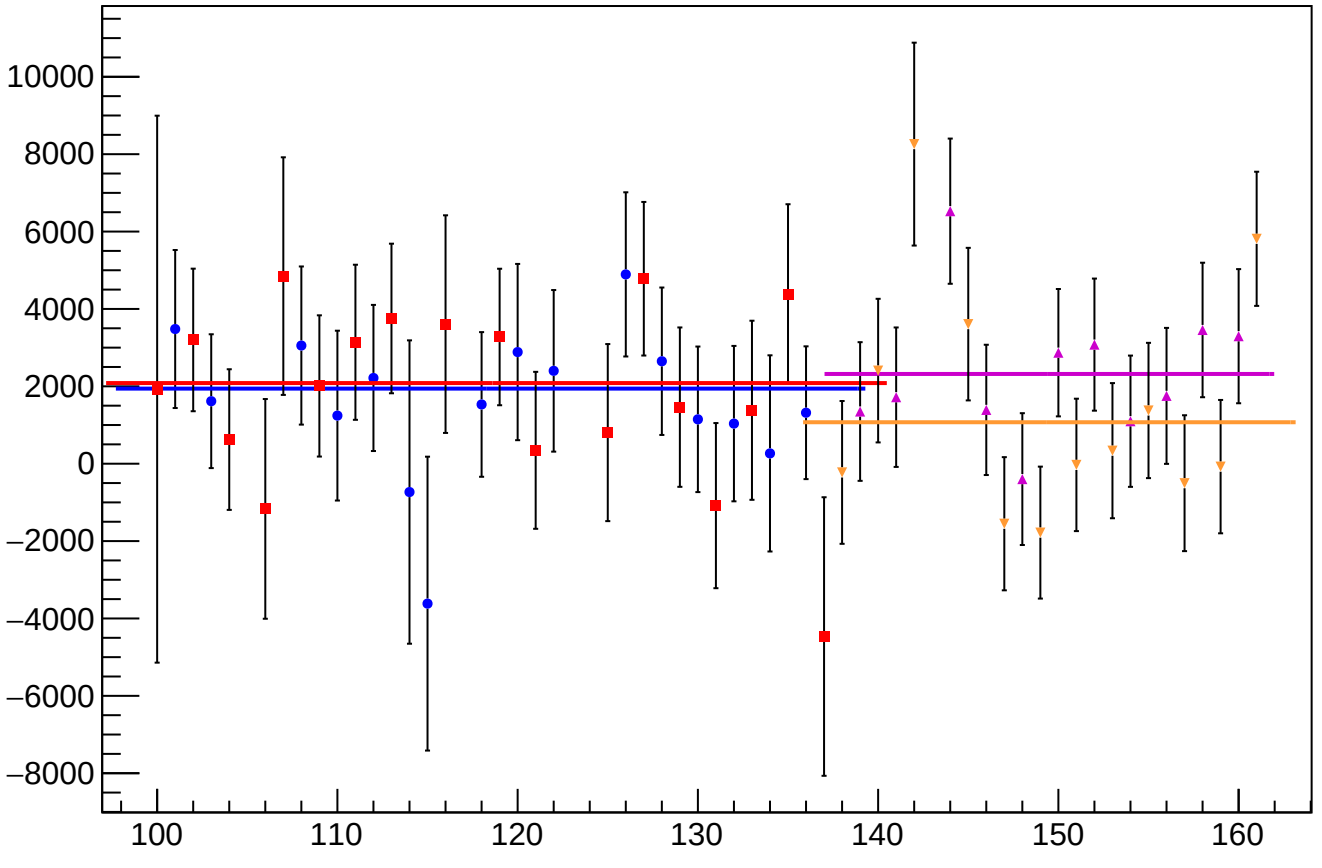
Left: 5256.353+/-0.866 χ^2/NDF: 1062380.2/22

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4053.352+/-0.733 χ^2/NDF:2768265.7/26

Out: 3992.033+/-0.722 χ^2/NDF:2724357.9/29

All: 4022.232+/-0.514 χ^2/NDF: 5496178.1/56



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.765+/-522.830 χ^2/NDF:24.7/11

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2319.642+/-523.582 χ^2/NDF:10.0/10

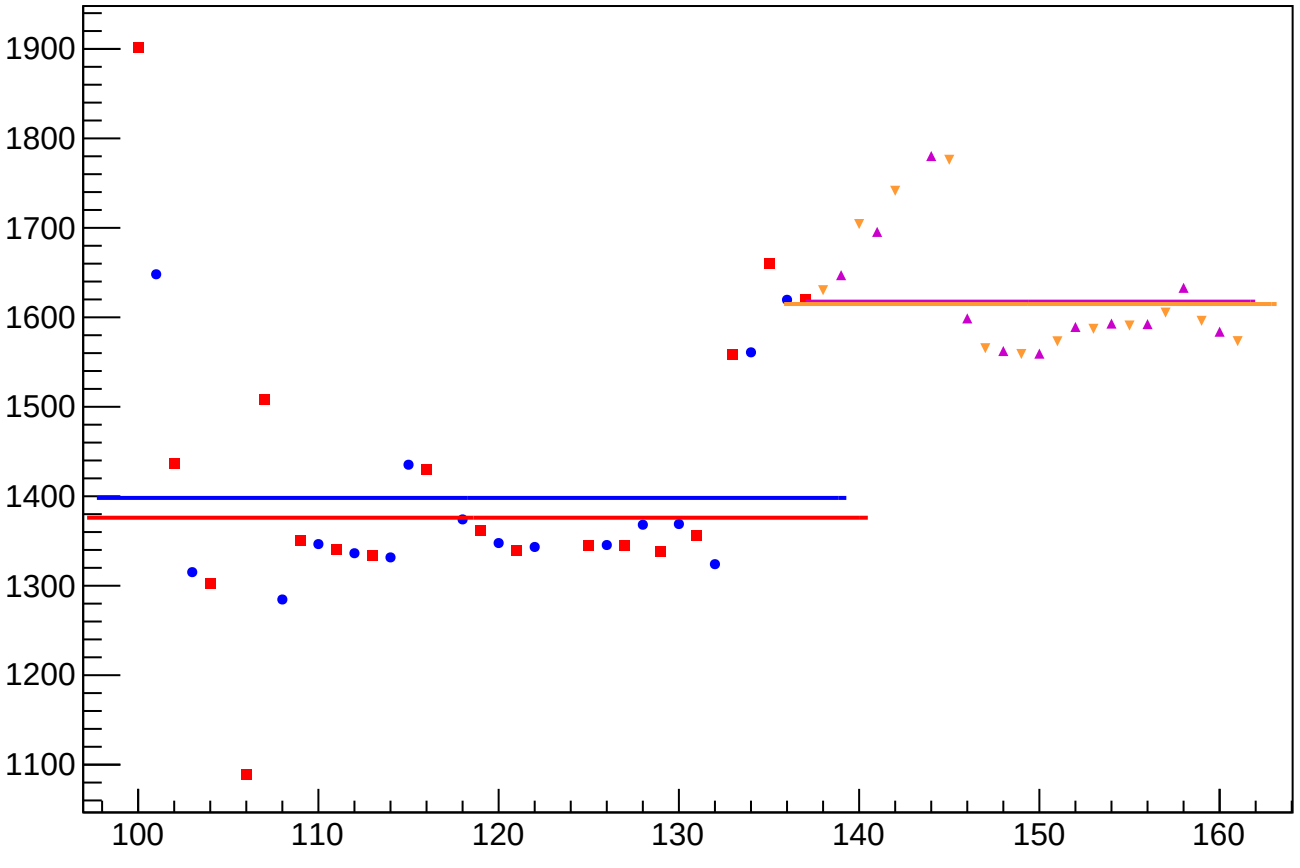
Left: 1694.806+/-369.962 χ^2/NDF: 37.5/22

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2129.827+/-369.730 χ^2/NDF:17.1/26

Out: 1581.115+/-368.545 χ^2/NDF:41.0/29

All: 1854.590+/-261.018 χ^2/NDF: 59.3/56



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

Left: 1616.201+/-0.262 χ^2/NDF: 56608.0/22

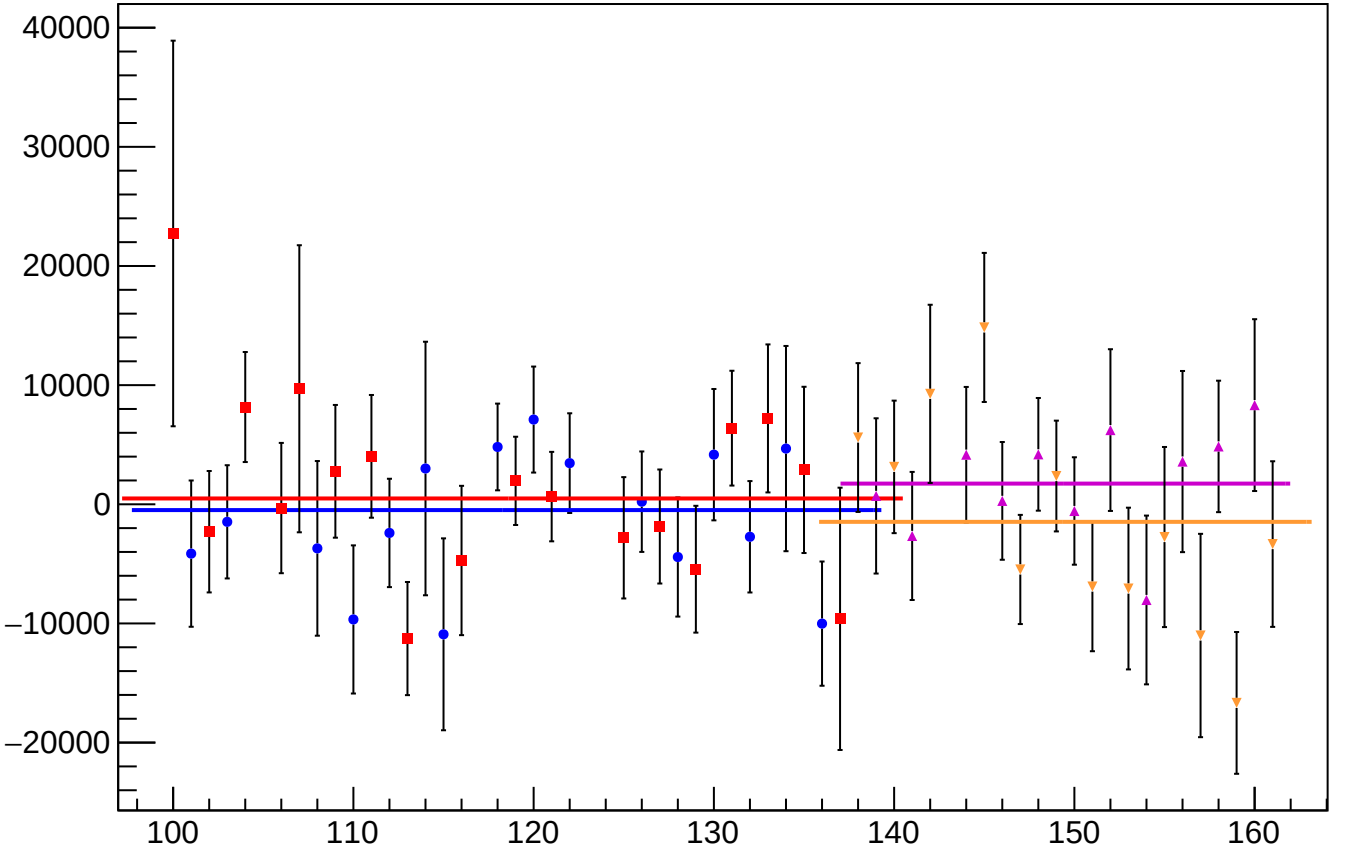
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1507.552+/-0.261 χ^2/NDF:296408.1/26

Out: 1493.105+/-0.259 χ^2/NDF:356948.2/29

All: 1500.257+/-0.184 χ^2/NDF: 654898.4/56

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1473.345+/-1737.687 χ^2/NDF:21.8/11

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1736.389+/-1727.745 χ^2/NDF:5.0/10

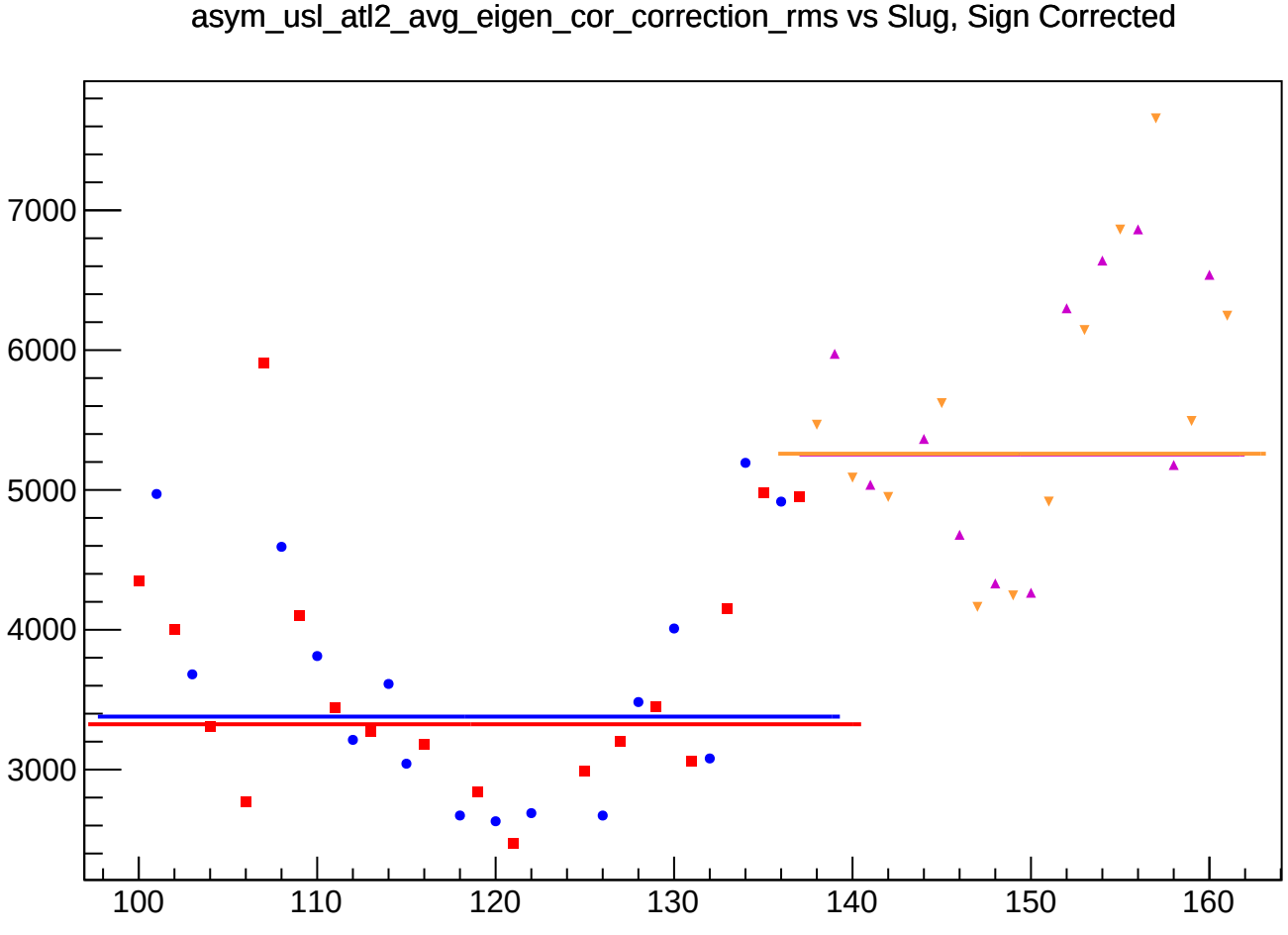
Left: 140.730+/-1225.200 χ^2/NDF: 28.6/22

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 313.005+/-1036.197 χ^2/NDF:22.1/26

Out: -188.404+/-1020.757 χ^2/NDF:41.4/29

All: 58.537+/-727.182 χ^2/NDF: 63.6/56



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5259.106+/-1.229 χ^2/NDF:556894.0/11

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

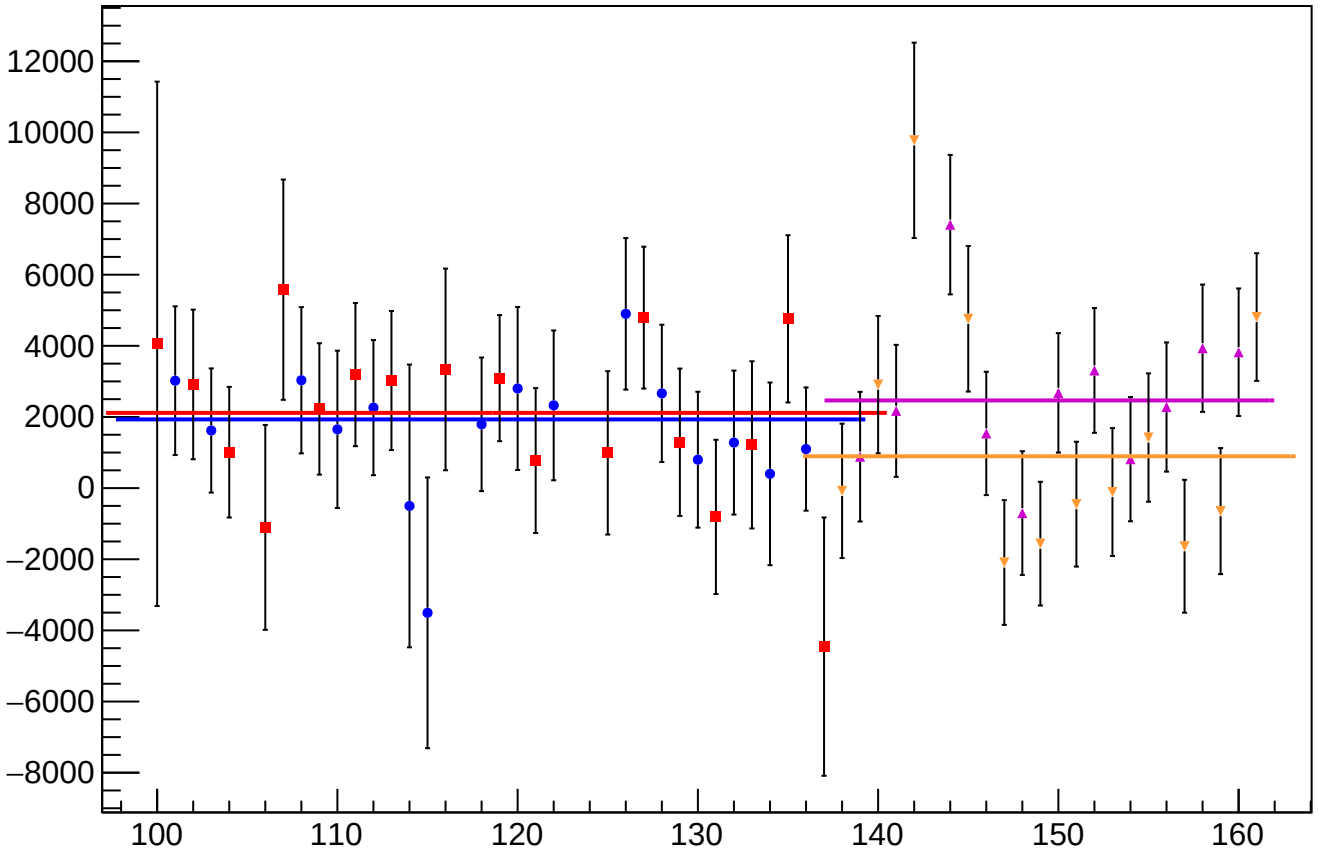
Left: 5256.353+/-0.866 χ^2/NDF: 1062380.2/22

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4053.352+/-0.733 χ^2/NDF:2768265.7/26

Out: 3992.033+/-0.722 χ^2/NDF:2724357.9/29

All: 4022.232+/-0.514 χ^2/NDF: 5496178.1/56



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.472+/-539.690 χ^2/NDF:28.6/11

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2465.129+/-538.435 χ^2/NDF:13.1/10

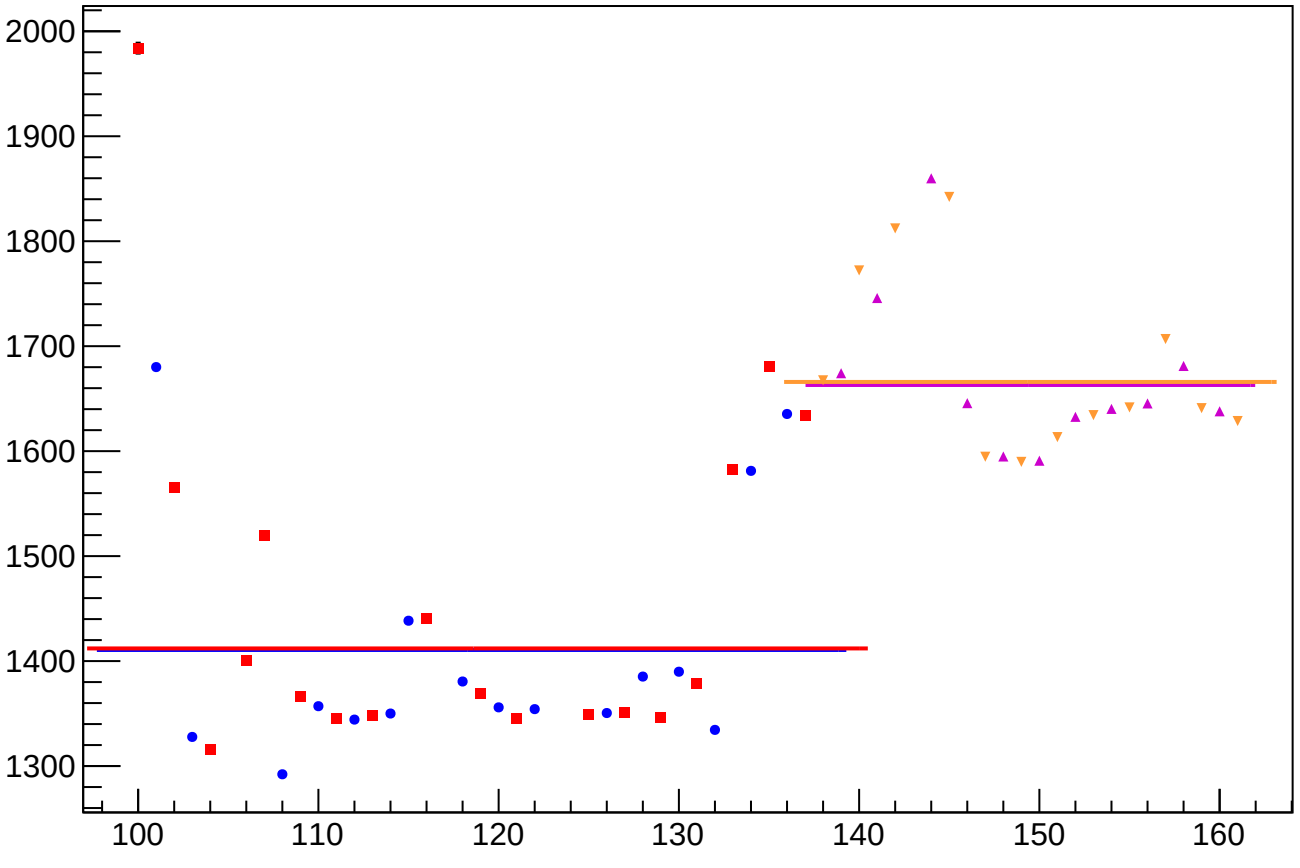
Left: 1681.628+/-381.174 χ^2/NDF: 46.0/22

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2192.675+/-376.673 χ^2/NDF:20.0/26

Out: 1517.270+/-377.710 χ^2/NDF:44.4/29

All: 1855.902+/-266.714 χ^2/NDF: 66.0/56



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1665.932+/-0.382 χ^2/NDF:38712.0/11

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1663.042+/-0.381 χ^2/NDF:32916.7/10

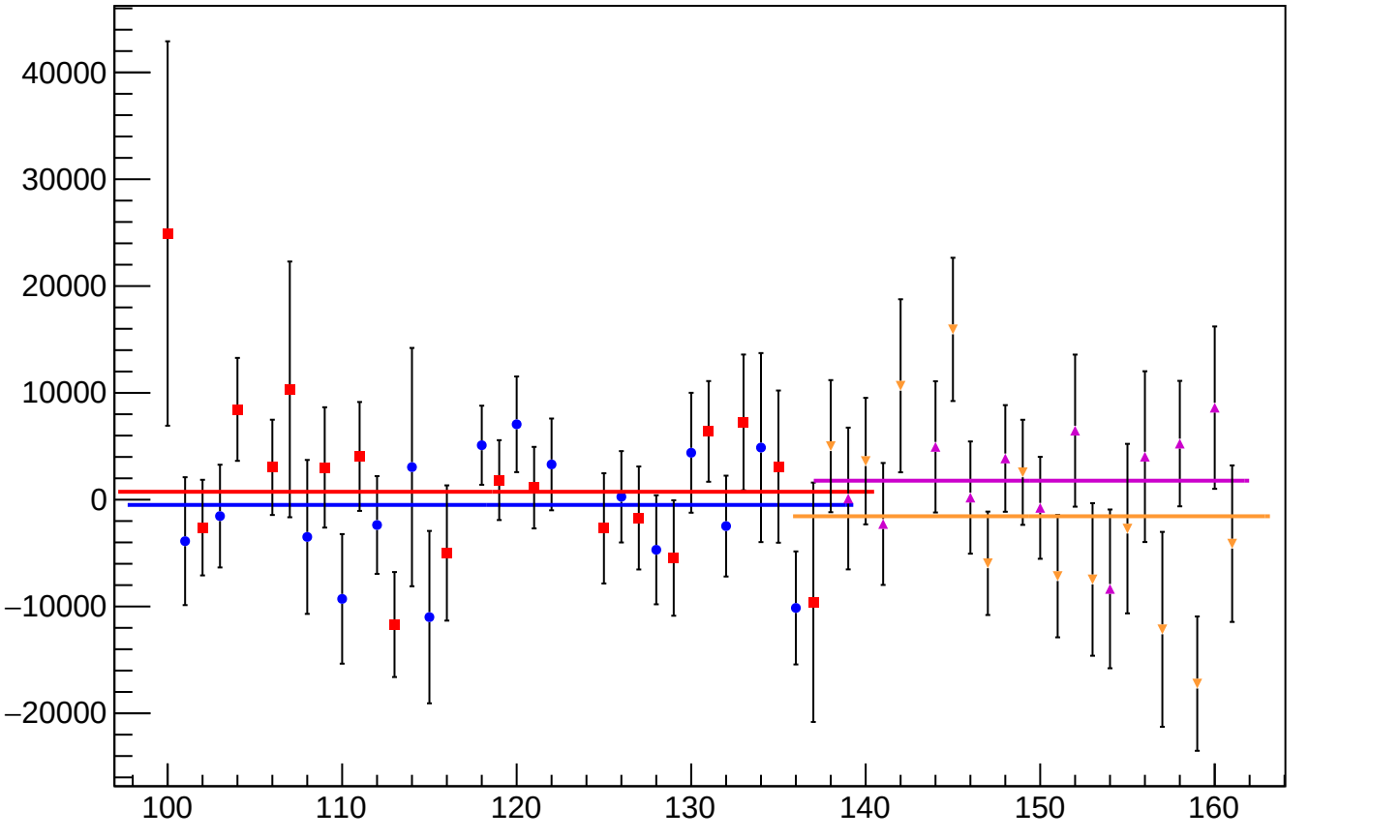
Left: 1664.483+/-0.270 χ^2/NDF: 71657.5/22

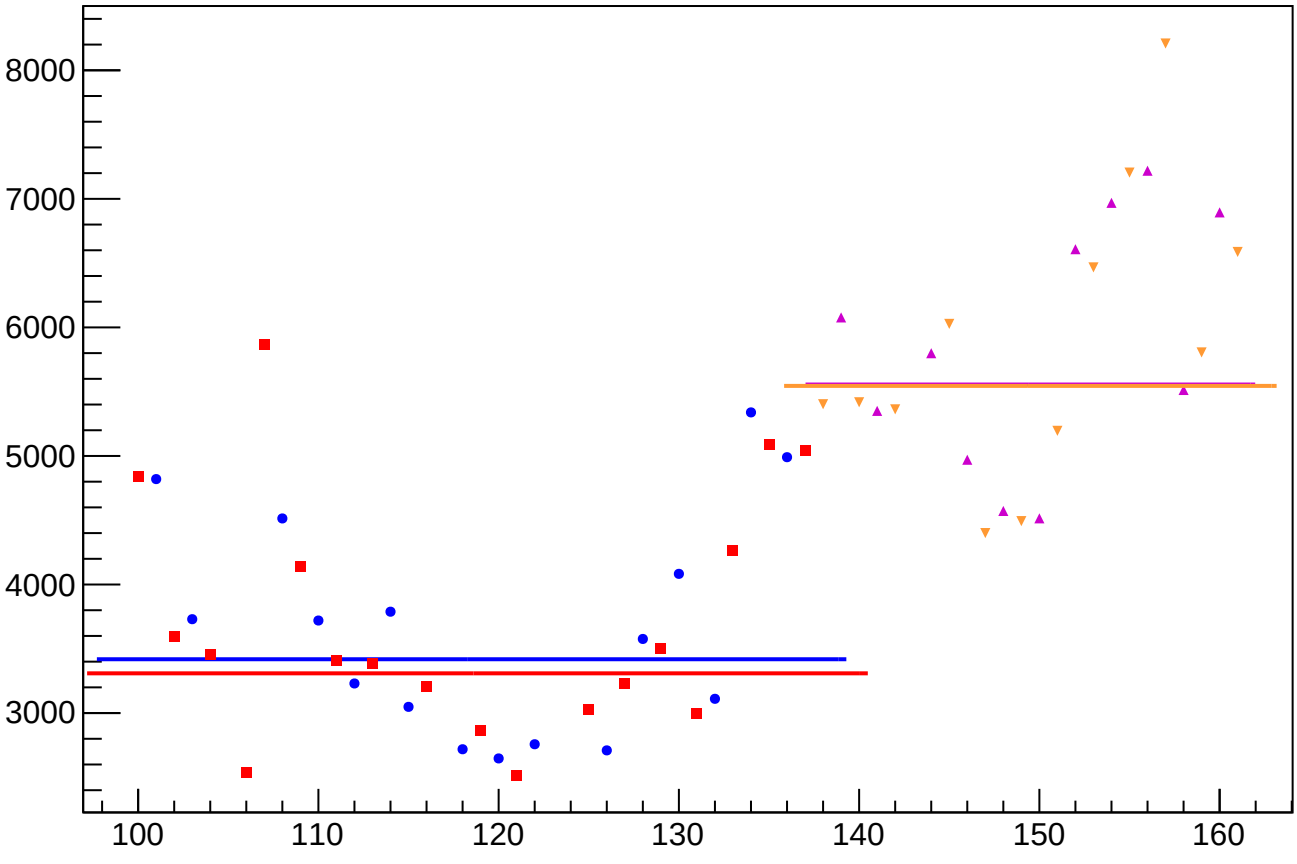
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1534.142+/-0.266 χ^2/NDF:356550.0/26

Out: 1536.064+/-0.267 χ^2/NDF:354816.7/29

All: 1535.102+/-0.188 χ^2/NDF: 711392.8/56


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -1551.734+/-1831.910 χ²/NDF:21.8/11
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 1777.805+/-1825.957 χ²/NDF:4.9/10
Left: 118.454+/-1293.246 χ²/NDF: 28.4/22
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: 279.995+/-1063.702 χ²/NDF:21.8/26
Out: 13.986+/-1031.372 χ²/NDF:42.1/29
All: 142.887+/-740.456 χ²/NDF: 63.9/56



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5545.051+/-1.295 χ^2/NDF:559111.6/11

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5555.618+/-1.291 χ^2/NDF:480448.8/10

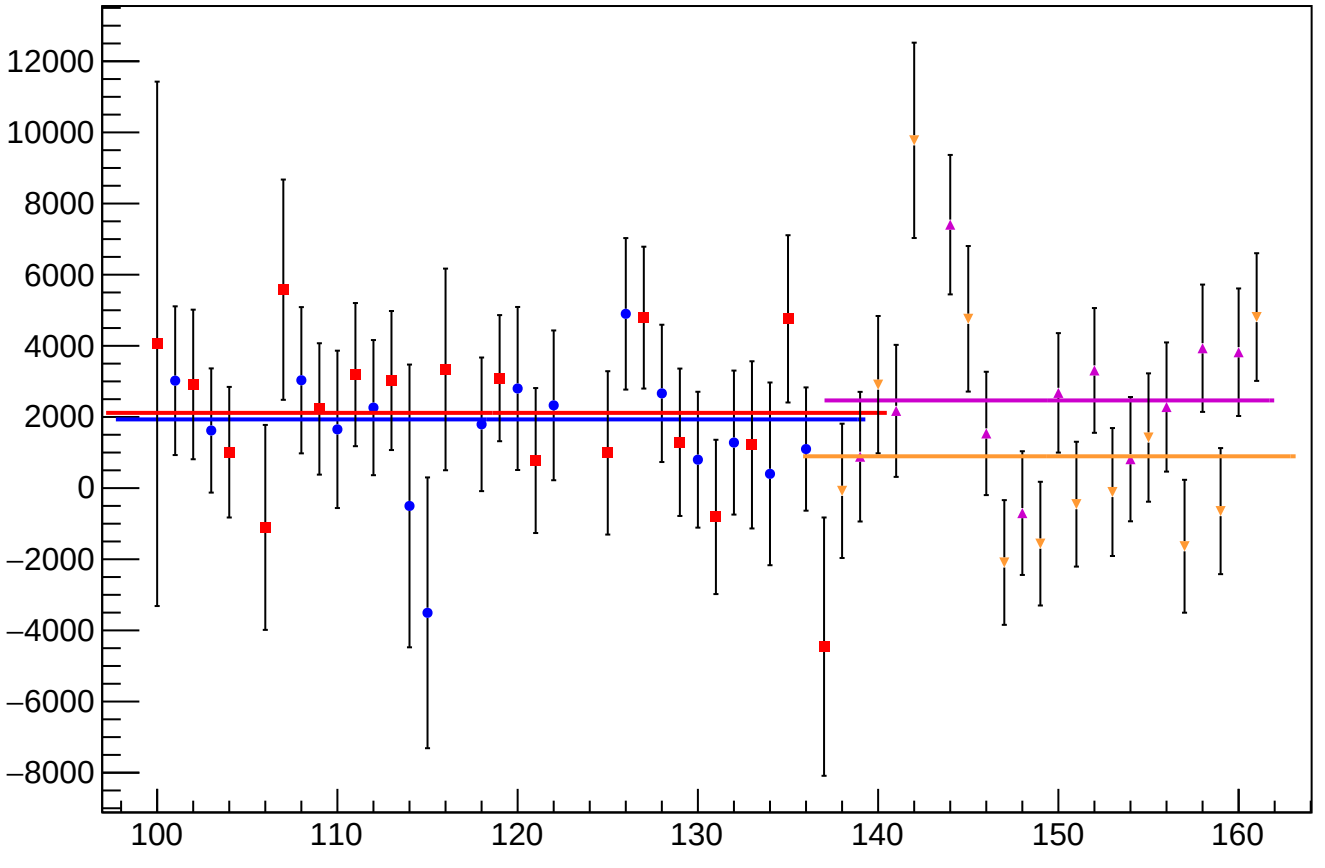
Left: 5550.352+/-0.914 χ^2/NDF: 1039593.7/22

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4143.882+/-0.752 χ^2/NDF:3011294.1/26

Out: 4017.844+/-0.729 χ^2/NDF:3166123.4/29

All: 4078.919+/-0.524 χ^2/NDF: 6191890.5/56



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.466+/-539.690 χ^2/NDF:28.6/11

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2465.131+/-538.436 χ^2/NDF:13.1/10

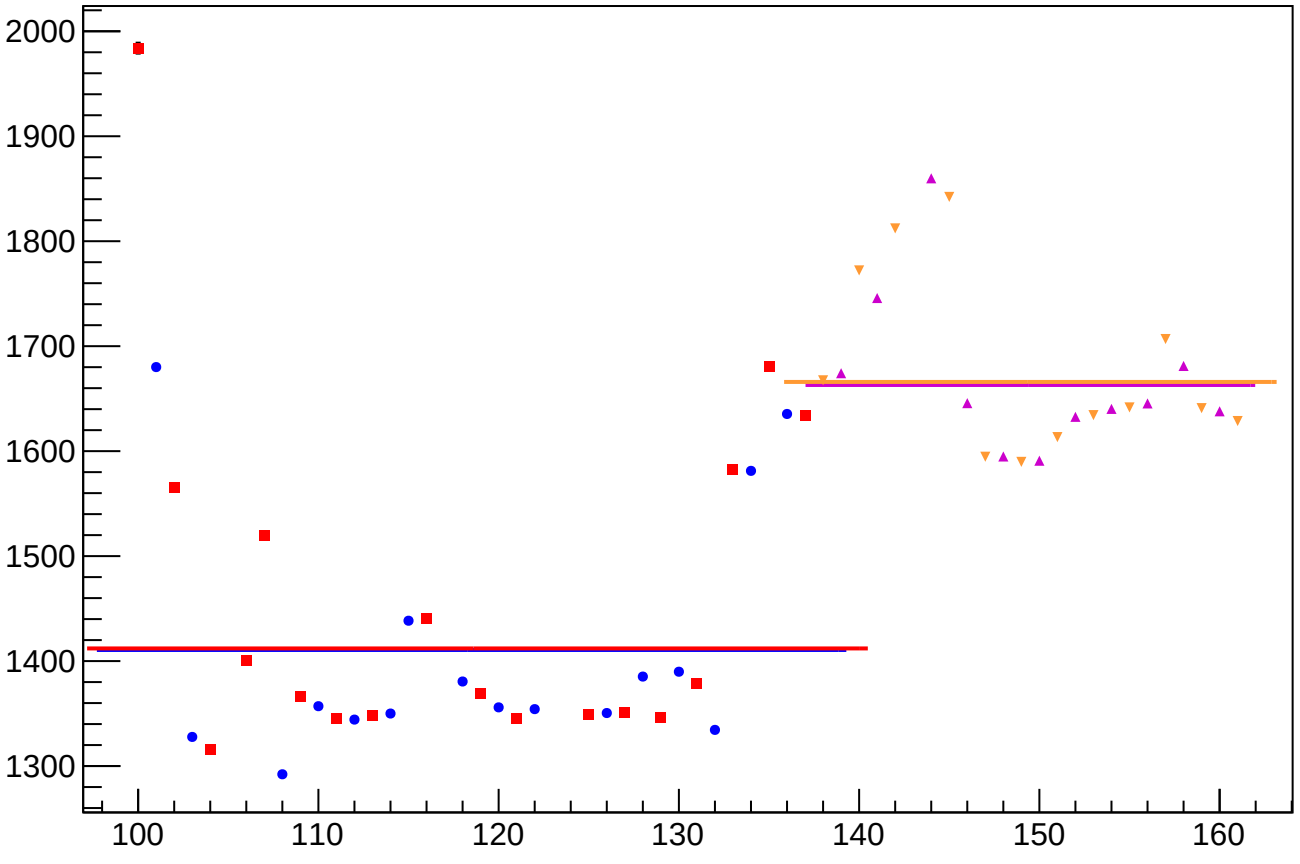
Left: 1681.626+/-381.174 χ^2/NDF: 46.0/22

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2192.677+/-376.673 χ^2/NDF:20.0/26

Out: 1517.268+/-377.710 χ^2/NDF:44.4/29

All: 1855.901+/-266.714 χ^2/NDF: 66.0/56



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1665.933+/-0.382 χ^2/NDF:38712.8/11

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1663.043+/-0.381 χ^2/NDF:32917.1/10

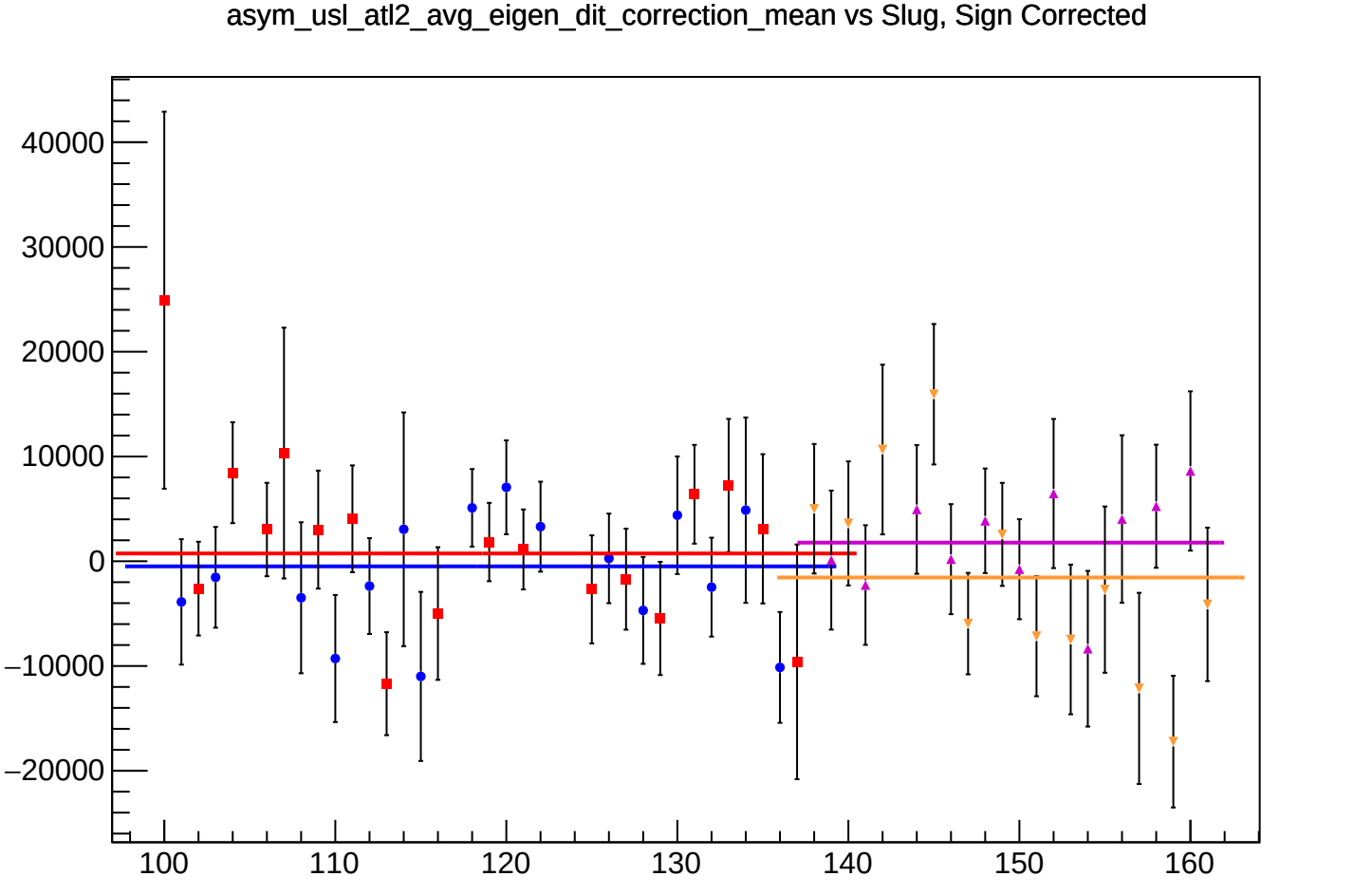
Left: 1664.485+/-0.270 χ^2/NDF: 71658.6/22

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1534.142+/-0.266 χ^2/NDF:356552.5/26

Out: 1536.065+/-0.267 χ^2/NDF:354820.2/29

All: 1535.102+/-0.188 χ^2/NDF: 711398.8/56



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1551.743+/-1831.912 χ^2/NDF:21.8/11

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1777.807+/-1825.959 χ^2/NDF:4.9/10

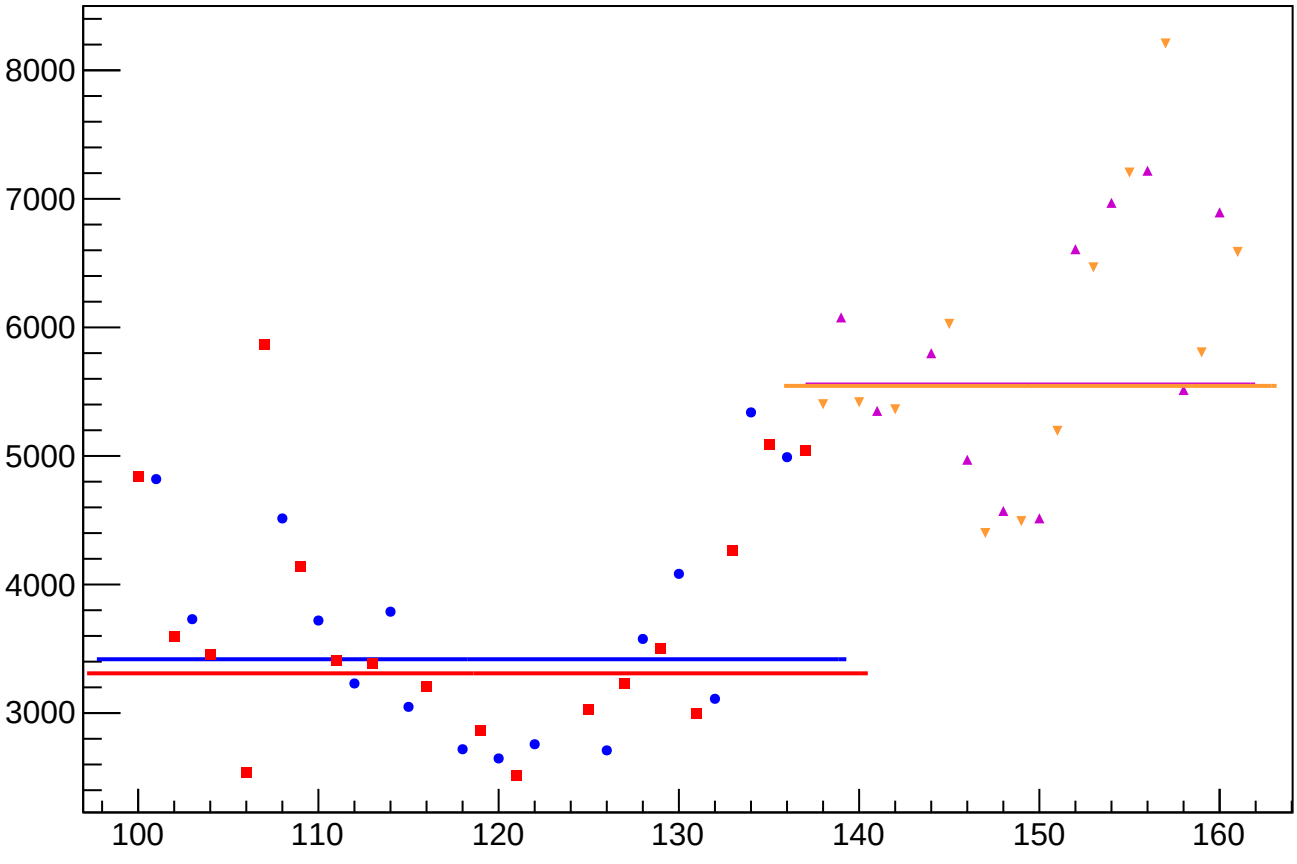
Left: 118.451+/-1293.248 χ^2/NDF: 28.4/22

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 279.996+/-1063.701 χ^2/NDF:21.8/26

Out: 13.990+/-1031.370 χ^2/NDF:42.1/29

All: 142.889+/-740.455 χ^2/NDF: 63.9/56



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5545.058+/-1.295 χ^2/NDF:559114.1/11

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5555.624+/-1.291 χ^2/NDF:480451.3/10

Left: 5550.358+/-0.914 χ^2/NDF: 1039598.7/22

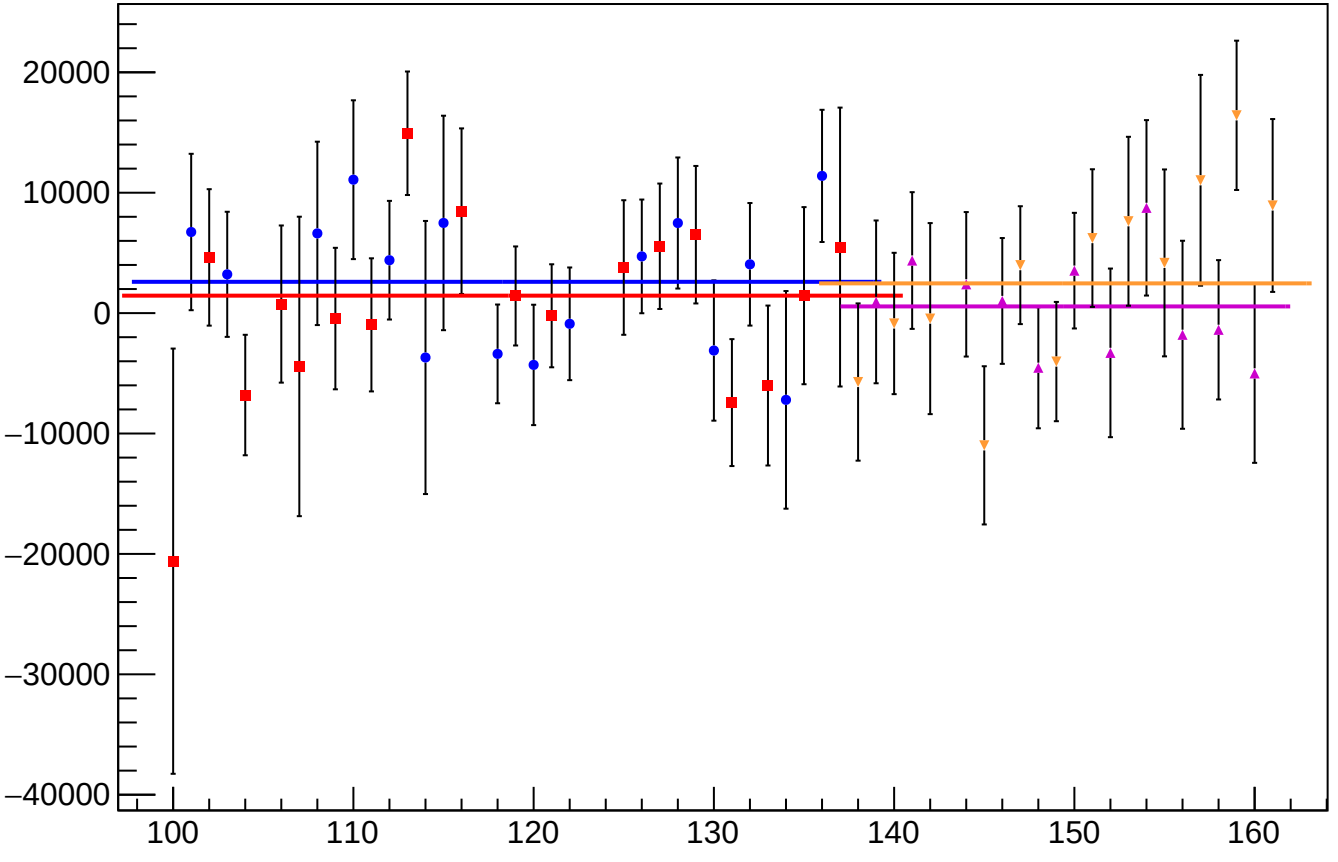
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4143.873+/-0.752 χ^2/NDF:3011336.0/26

Out: 4017.836+/-0.729 χ^2/NDF:3166160.5/29

All: 4078.910+/-0.524 χ^2/NDF: 6191969.5/56

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2469.681+/-1825.815 χ^2/NDF:15.9/11

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 555.468+/-1814.222 χ^2/NDF:4.3/10

Left: 1506.478+/-1286.928 χ^2/NDF: 20.7/22

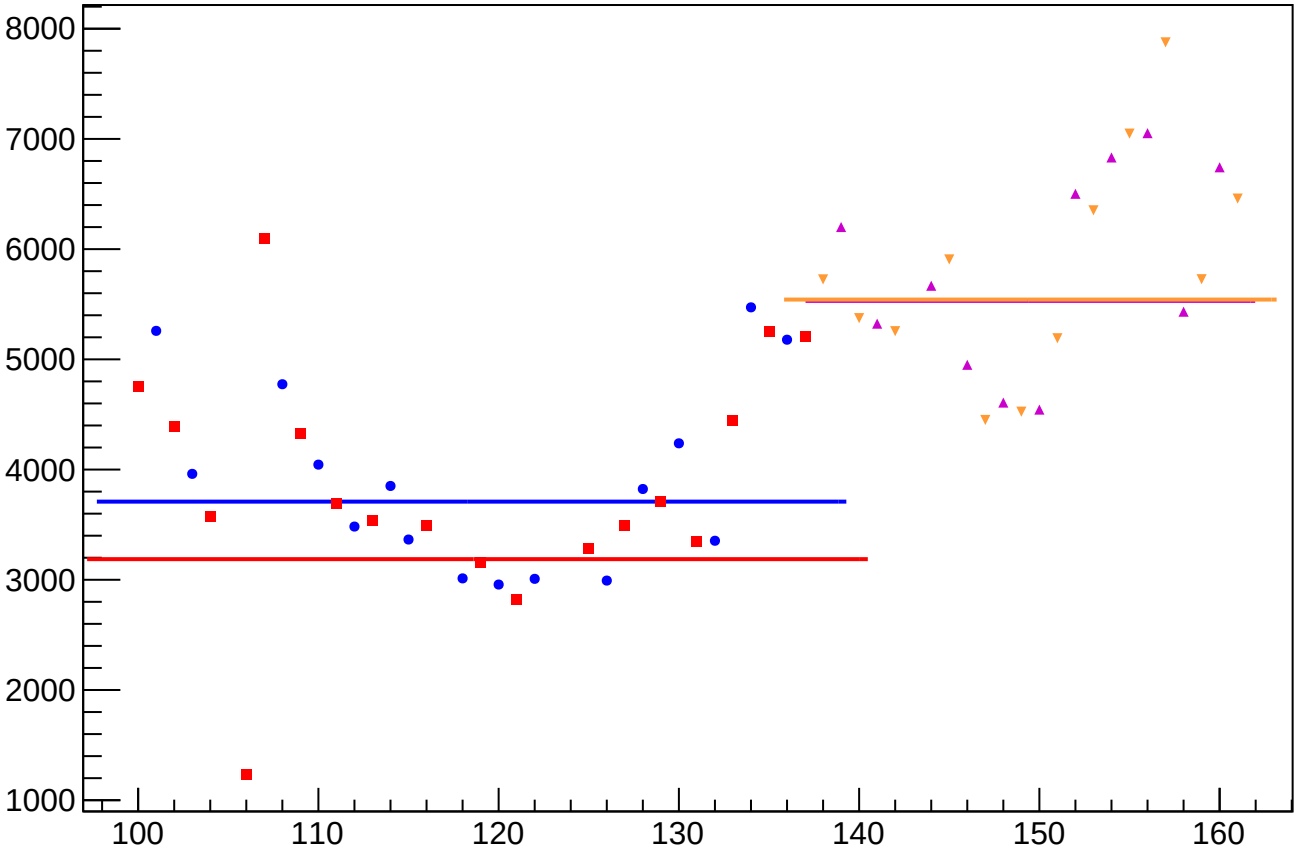
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1826.796+/-1115.513 χ^2/NDF:18.6/26

Out: 1821.958+/-1102.342 χ^2/NDF:35.1/29

All: 1824.348+/-784.089 χ^2/NDF: 53.7/56

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5542.475+/-1.291 χ^2/NDF:481906.6/11

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5530.247+/-1.283 χ^2/NDF:431799.7/10

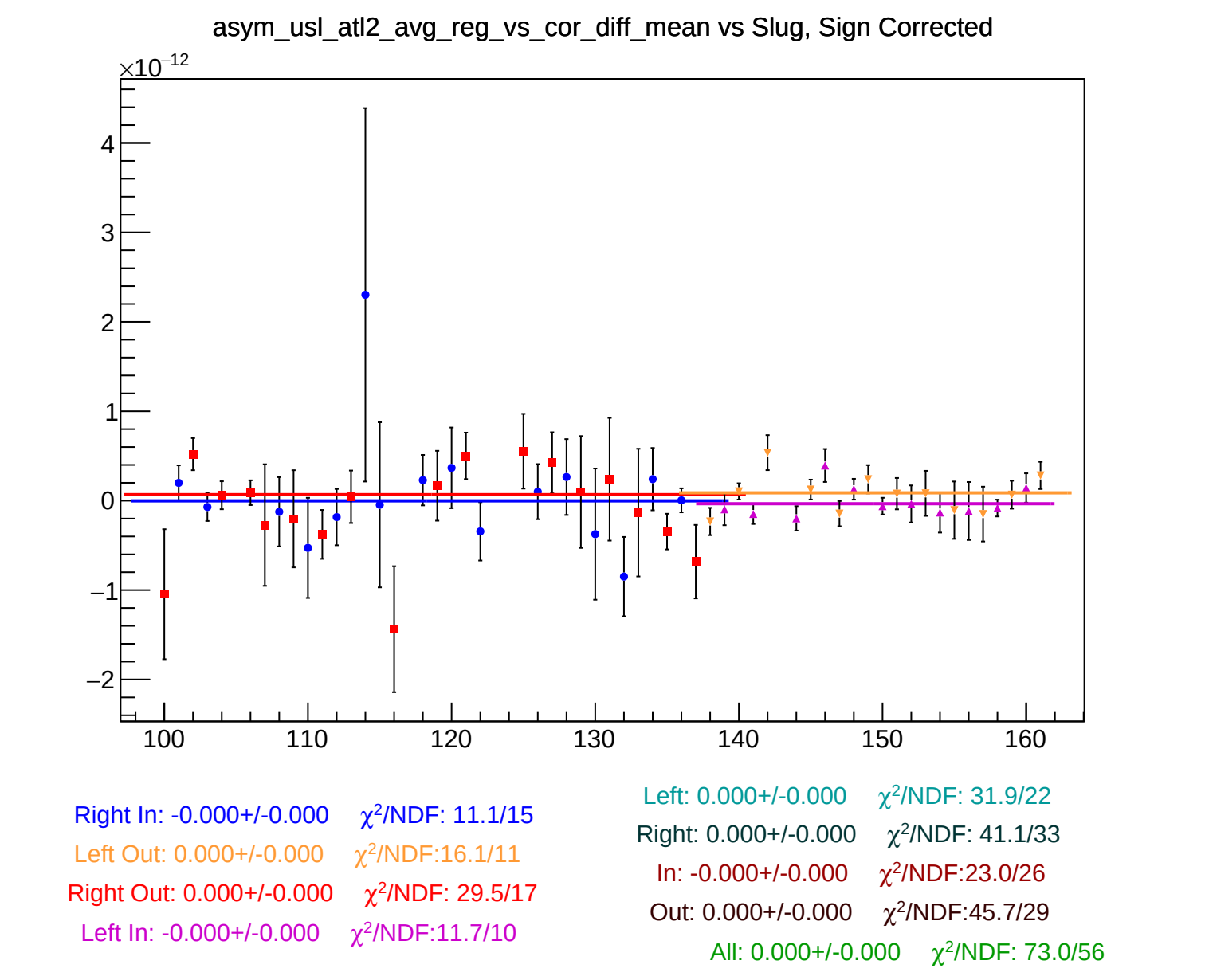
Left: 5536.322+/-0.910 χ^2/NDF: 913751.4/22

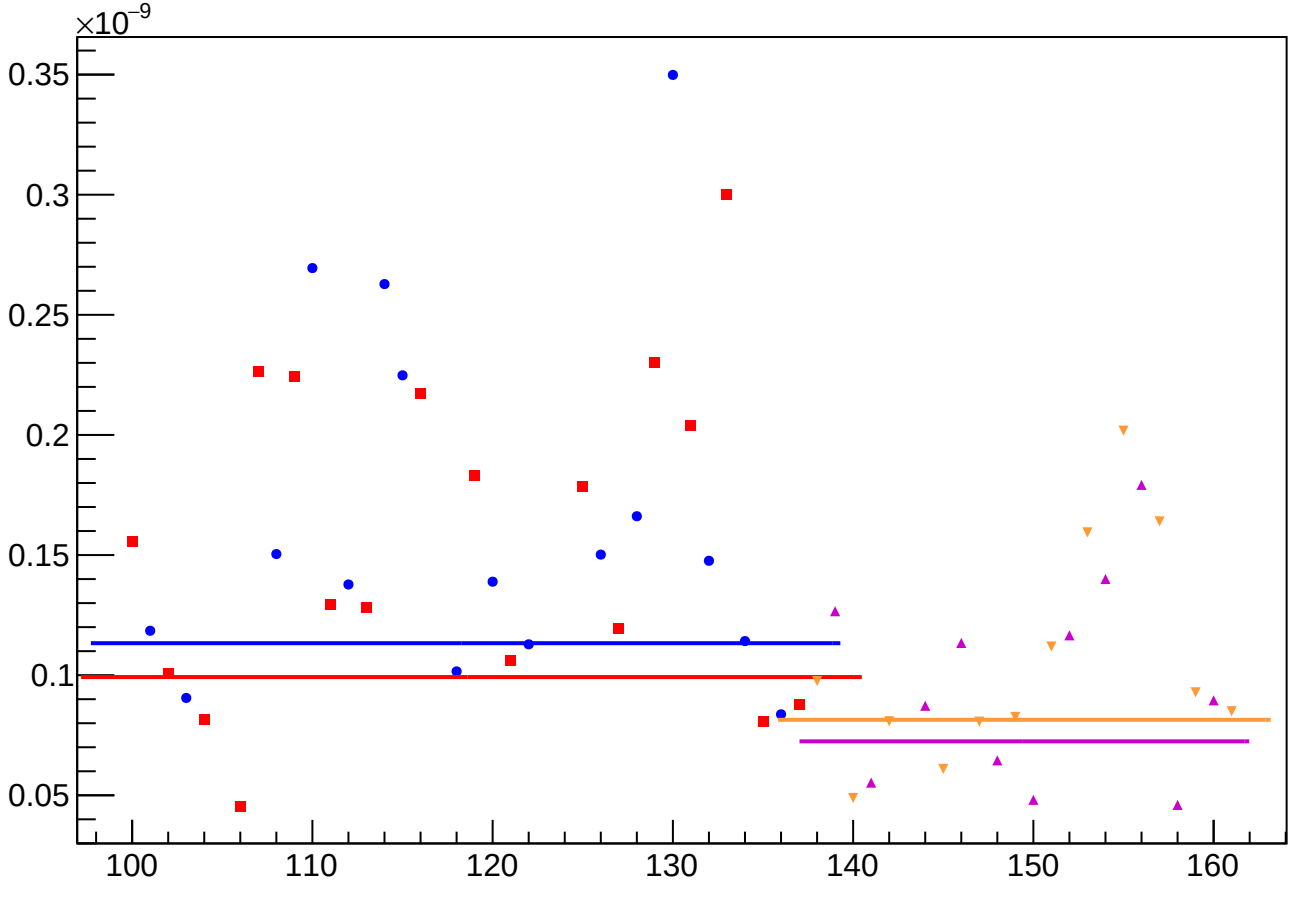
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4397.647+/-0.789 χ^2/NDF:2295745.3/26

Out: 3952.340+/-0.736 χ^2/NDF:4339675.8/29

All: 4159.553+/-0.538 χ^2/NDF: 6805828.9/56


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:11.7/10
Left: 0.000+/-0.000 χ²/NDF: 31.9/22
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:23.0/26
Out: 0.000+/-0.000 χ²/NDF:45.7/29
All: 0.000+/-0.000 χ²/NDF: 73.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036556.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1170347.7/10

Left: 0.000+/-0.000 χ^2/NDF: 2250969.5/22

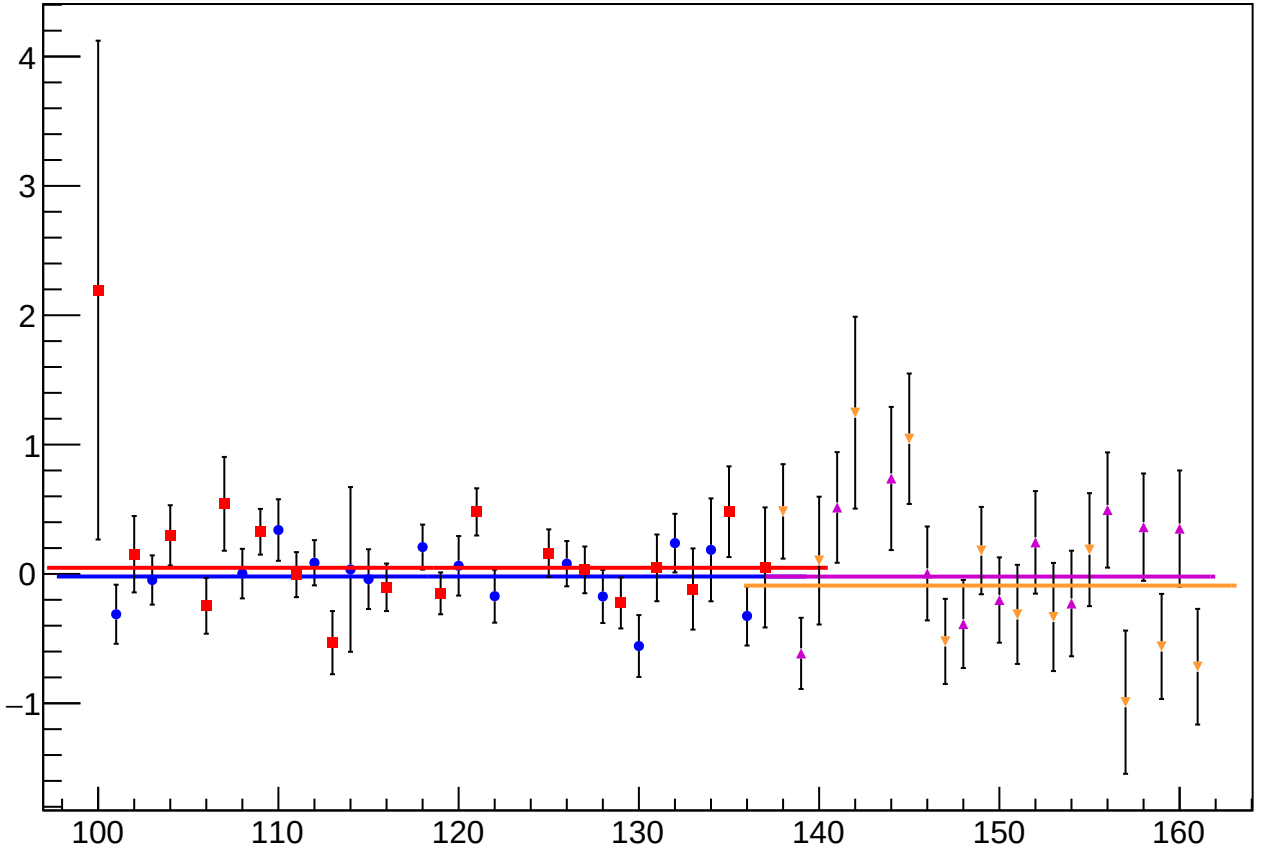
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2326909.9/26

Out: 0.000+/-0.000 χ^2/NDF:2238592.5/29

All: 0.000+/-0.000 χ^2/NDF: 4578026.7/56

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.021+/-0.115 χ^2/NDF:13.1/10

Left: -0.053+/-0.084 χ^2/NDF: 33.6/22

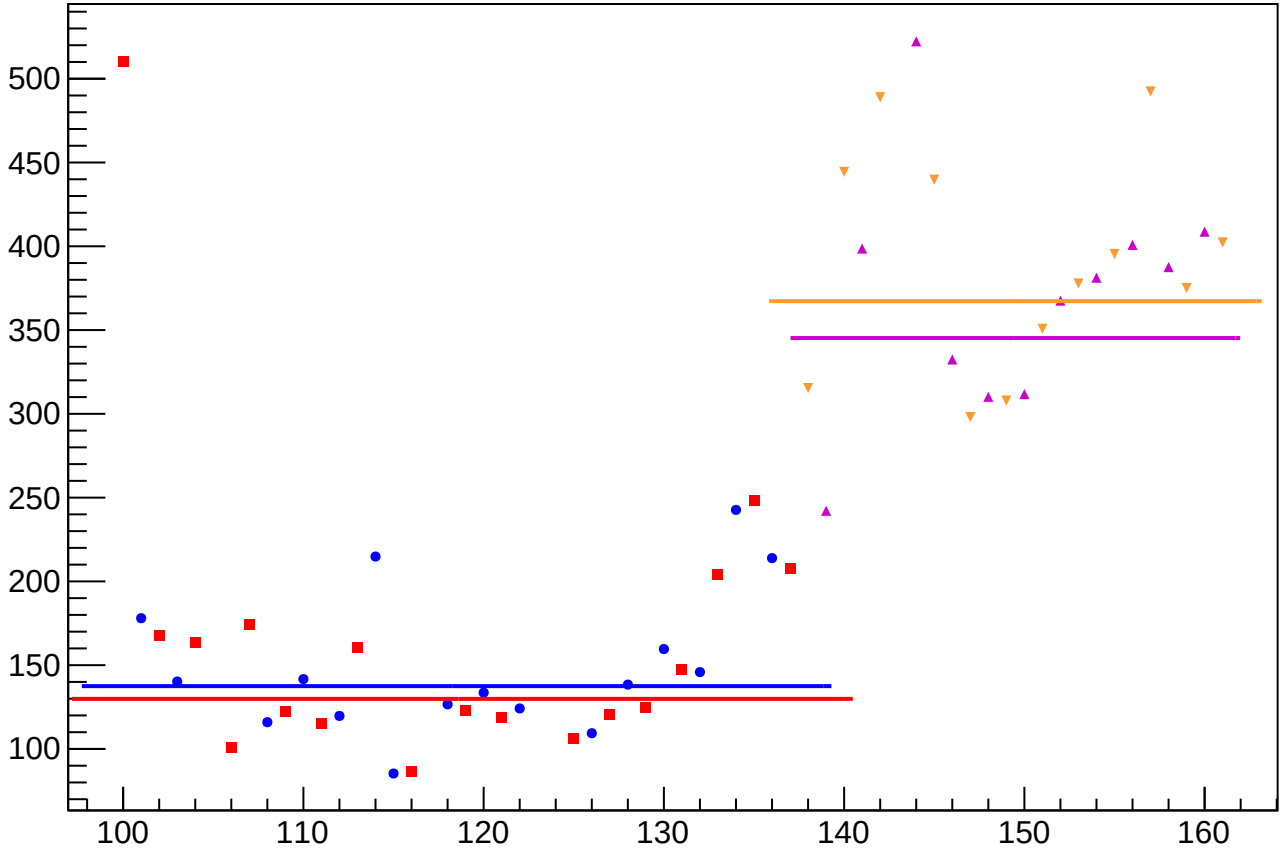
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.026+/-0.048 χ^2/NDF:47.7/29

All: 0.004+/-0.034 χ^2/NDF: 77.3/56

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: 367.262+/-0.086 χ^2/NDF:463137.5/11

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

Left: 355.623+/-0.059 χ^2/NDF: 1172731.7/22

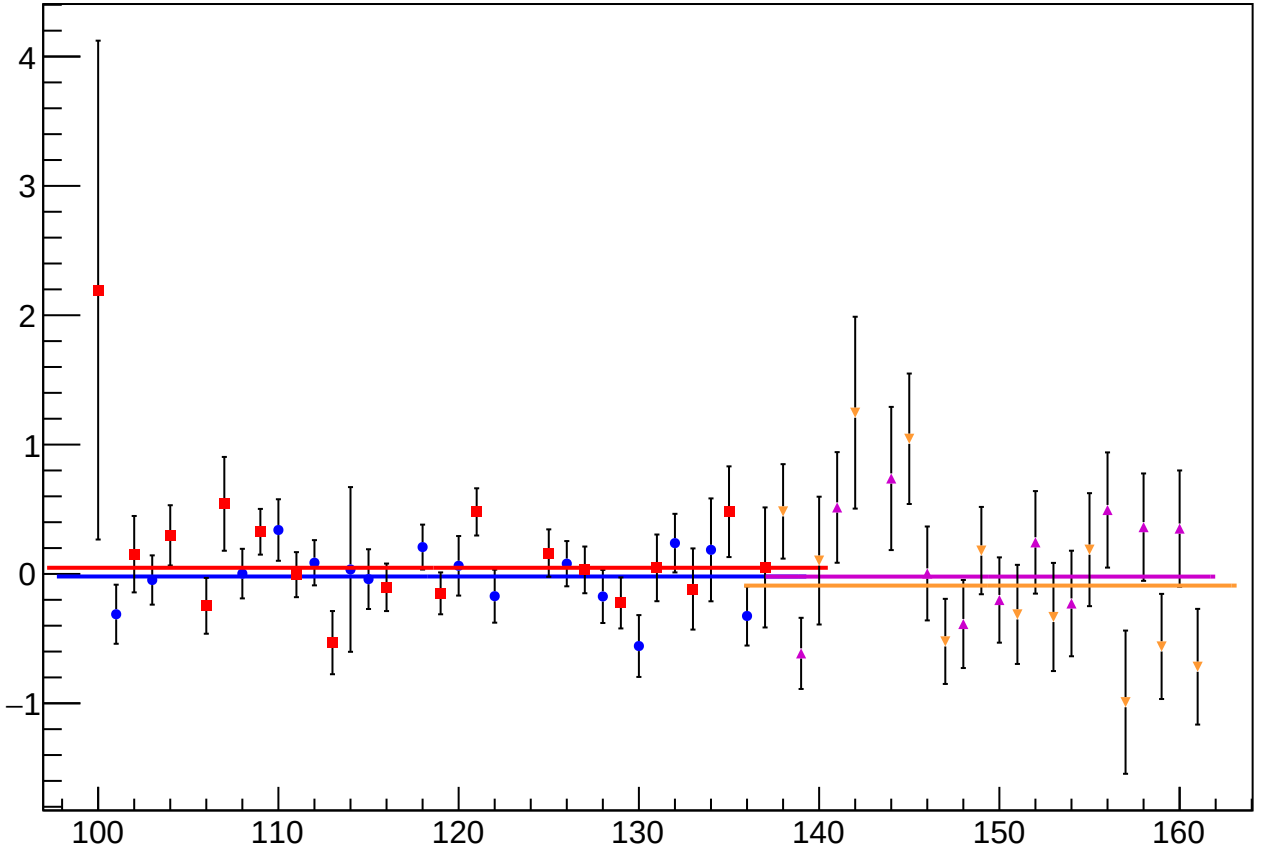
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 175.224+/-0.035 χ^2/NDF:6703270.9/26

Out: 167.095+/-0.034 χ^2/NDF:7707366.8/29

All: 171.090+/-0.024 χ^2/NDF: 14438589.6/56

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: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.021+/-0.115 χ^2/NDF:13.1/10

Left: -0.053+/-0.084 χ^2/NDF: 33.6/22

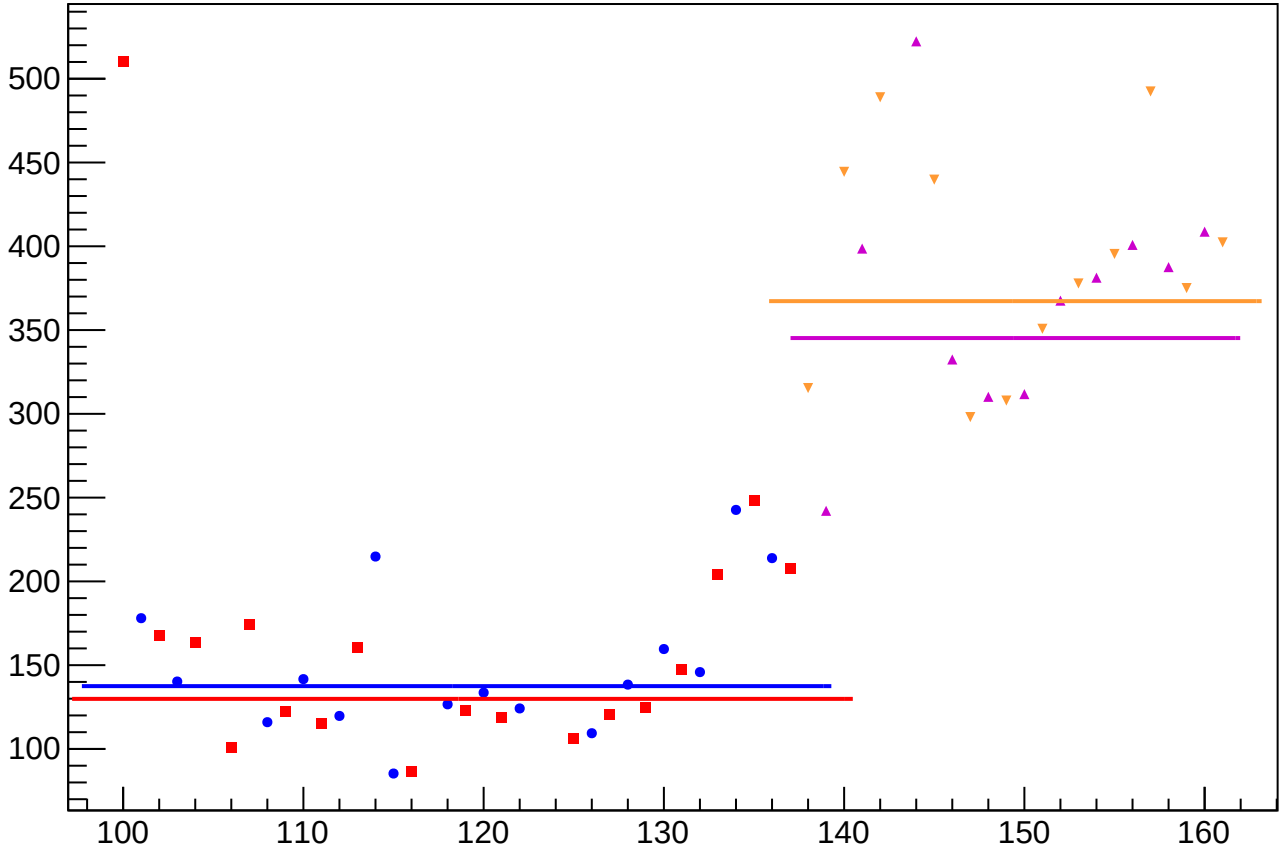
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.026+/-0.048 χ^2/NDF:47.7/29

All: 0.004+/-0.034 χ^2/NDF: 77.3/56

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 367.262+/-0.086 χ^2/NDF:463137.5/11

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

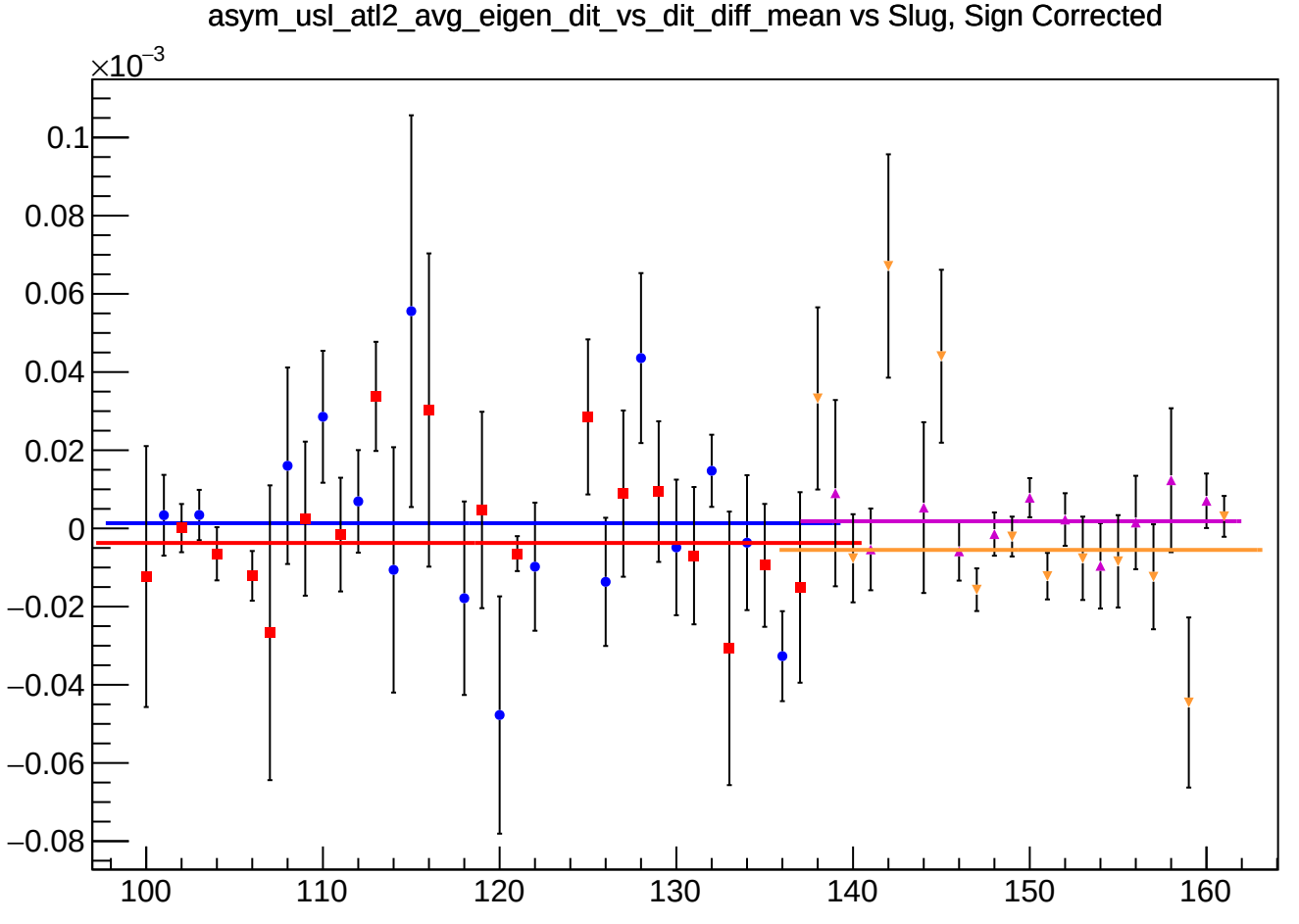
Left: 355.623+/-0.059 χ^2/NDF: 1172731.7/22

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 175.224+/-0.035 χ^2/NDF:6703270.9/26

Out: 167.095+/-0.034 χ^2/NDF:7707366.8/29

All: 171.090+/-0.024 χ^2/NDF: 14438589.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.4/10

Left: -0.000+/-0.000 χ^2/NDF: 35.7/22

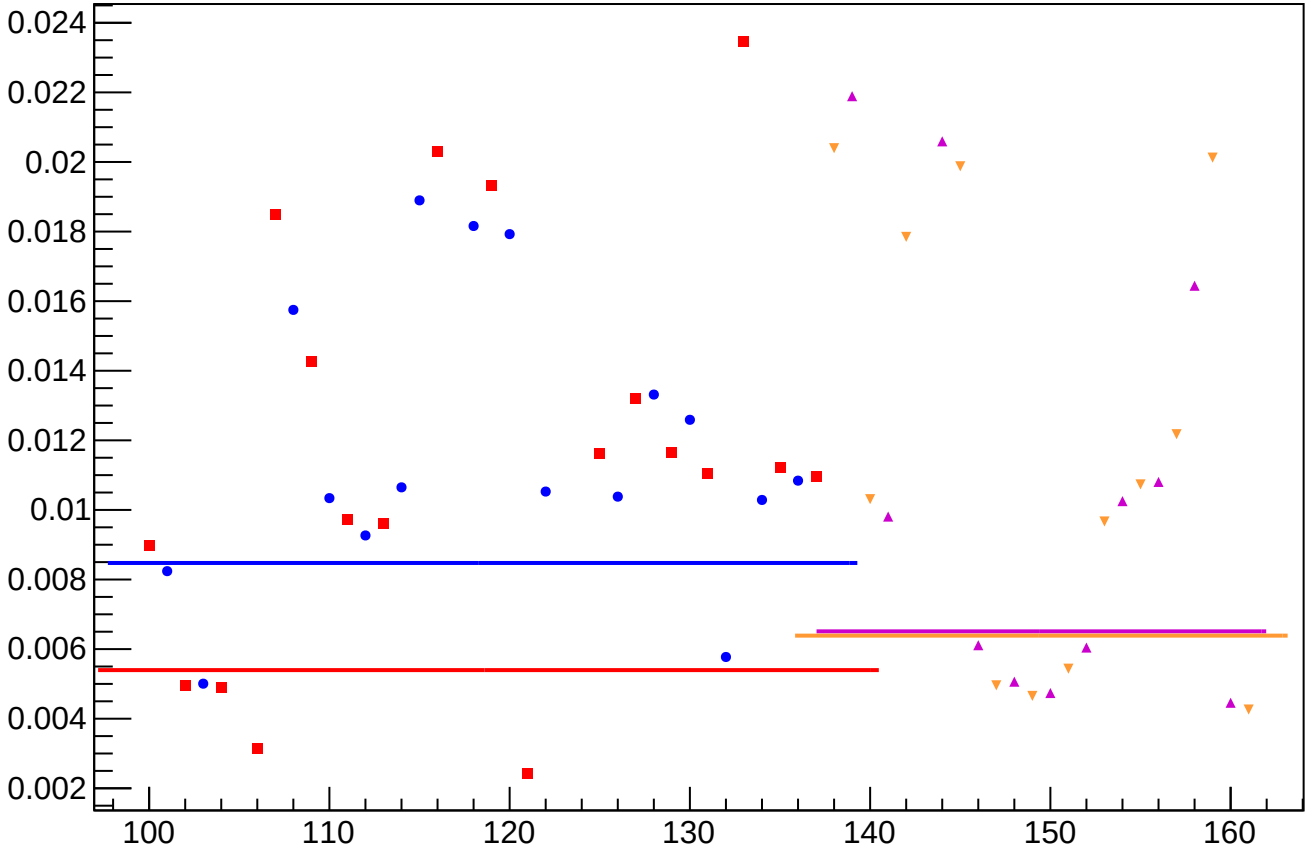
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:29.4/26

Out: -0.000+/-0.000 χ^2/NDF:41.8/29

All: -0.000+/-0.000 χ^2/NDF: 76.9/56

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:4410100.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3514822.7/10

Left: 0.006+/-0.000 χ^2/NDF: 7927476.4/22

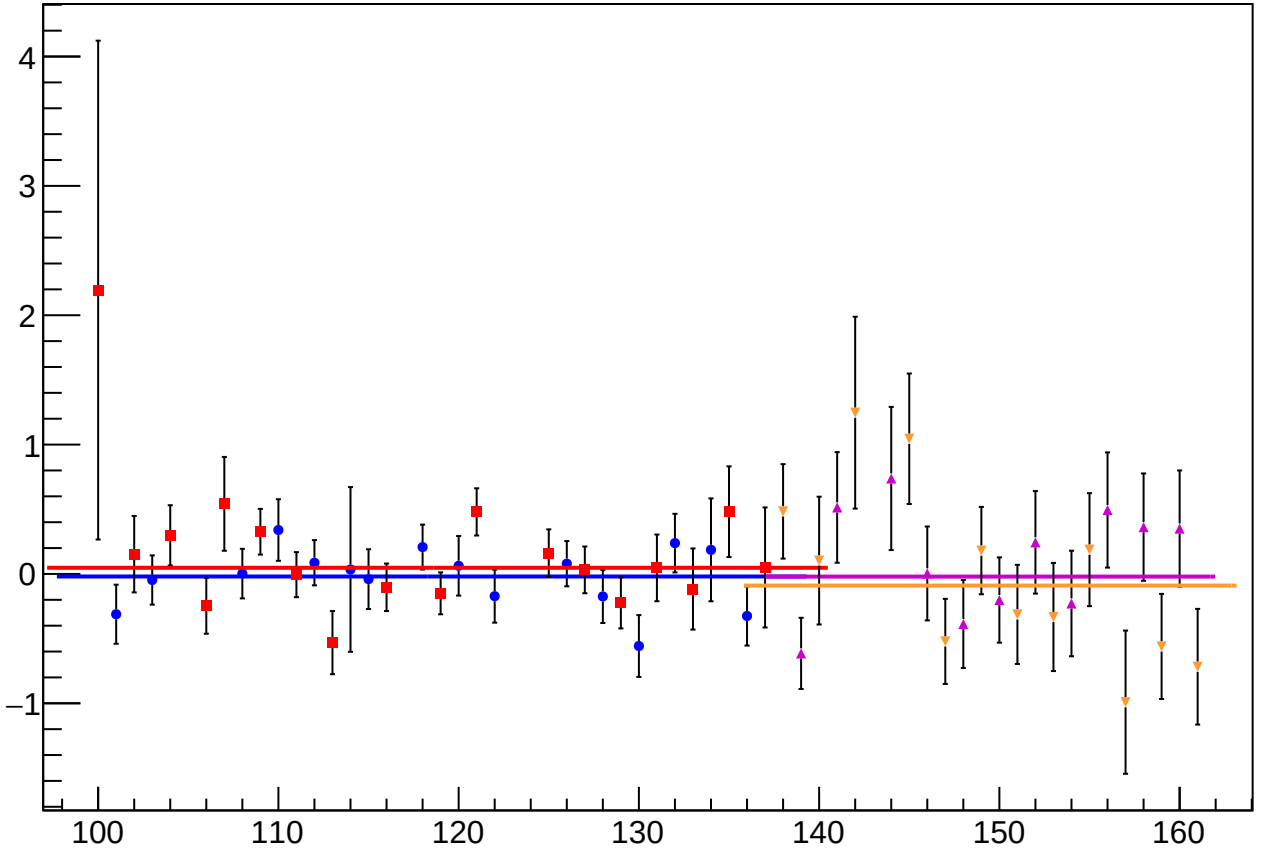
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:5870607.0/26

Out: 0.006+/-0.000 χ^2/NDF:9480835.1/29

All: 0.006+/-0.000 χ^2/NDF: 15800274.9/56

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.021+/-0.115 χ^2/NDF:13.1/10

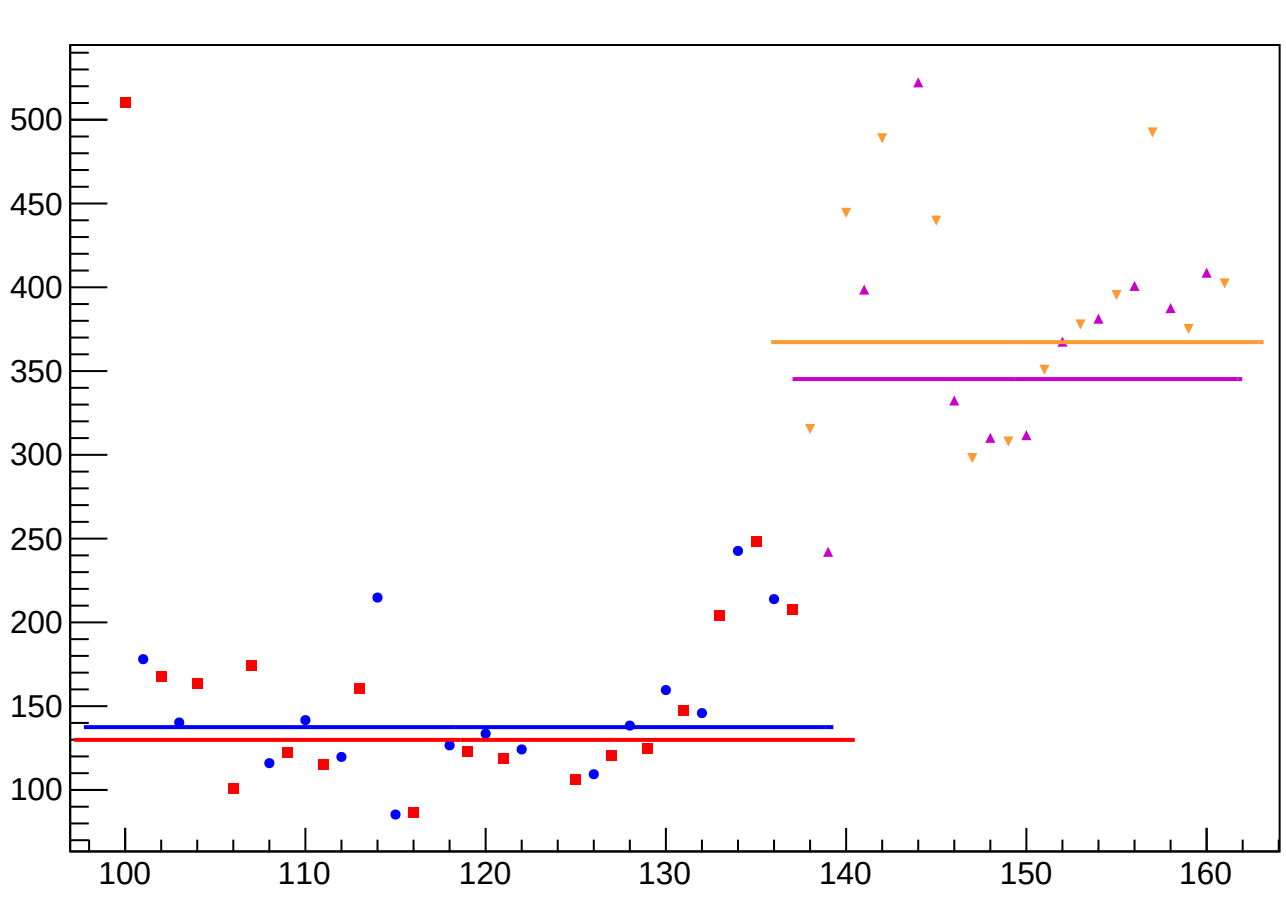
Left: -0.053+/-0.084 χ^2/NDF: 33.6/22

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

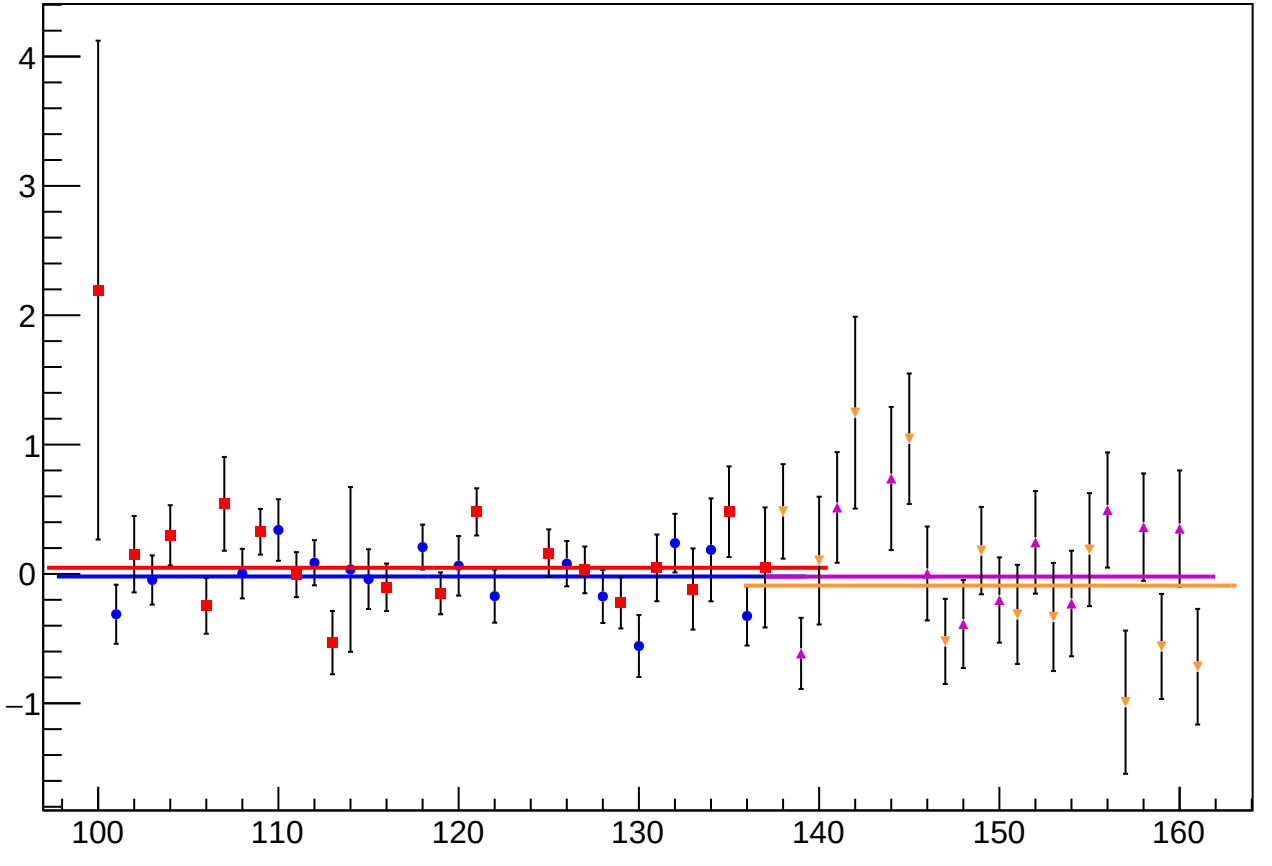
In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.026+/-0.048 χ^2/NDF:47.7/29

All: 0.004+/-0.034 χ^2/NDF: 77.3/56


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 367.266+/-0.086 χ²/NDF:463179.5/11
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 345.235+/-0.081 χ²/NDF:674989.9/10
Left: 355.628+/-0.059 χ²/NDF: 1172758.9/22
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 175.224+/-0.035 χ²/NDF:6703385.0/26
Out: 167.095+/-0.034 χ²/NDF:7707454.9/29
All: 171.090+/-0.024 χ²/NDF: 14438791.9/56

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: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.021+/-0.115 χ^2/NDF:13.1/10

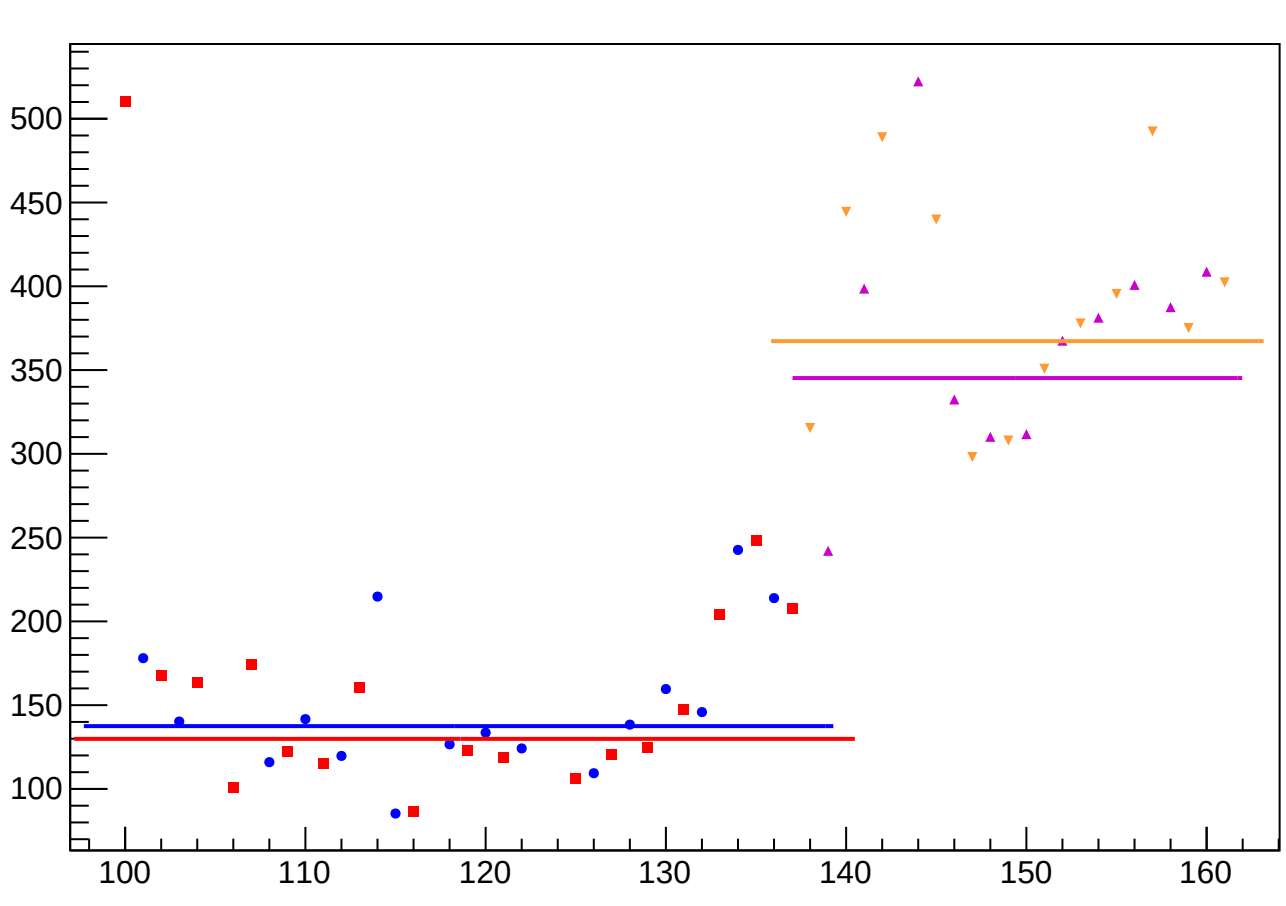
Left: -0.053+/-0.084 χ^2/NDF: 33.6/22

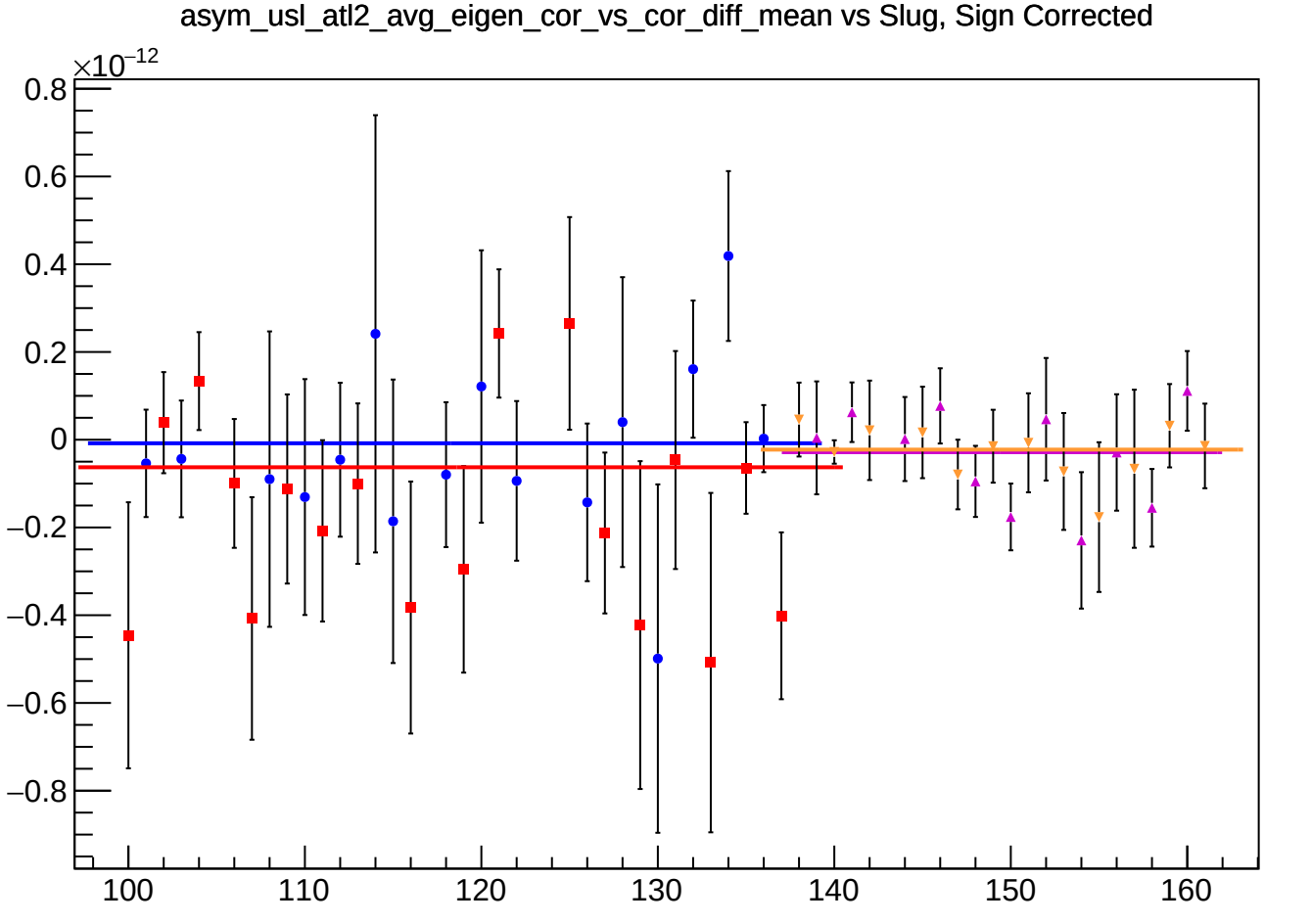
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

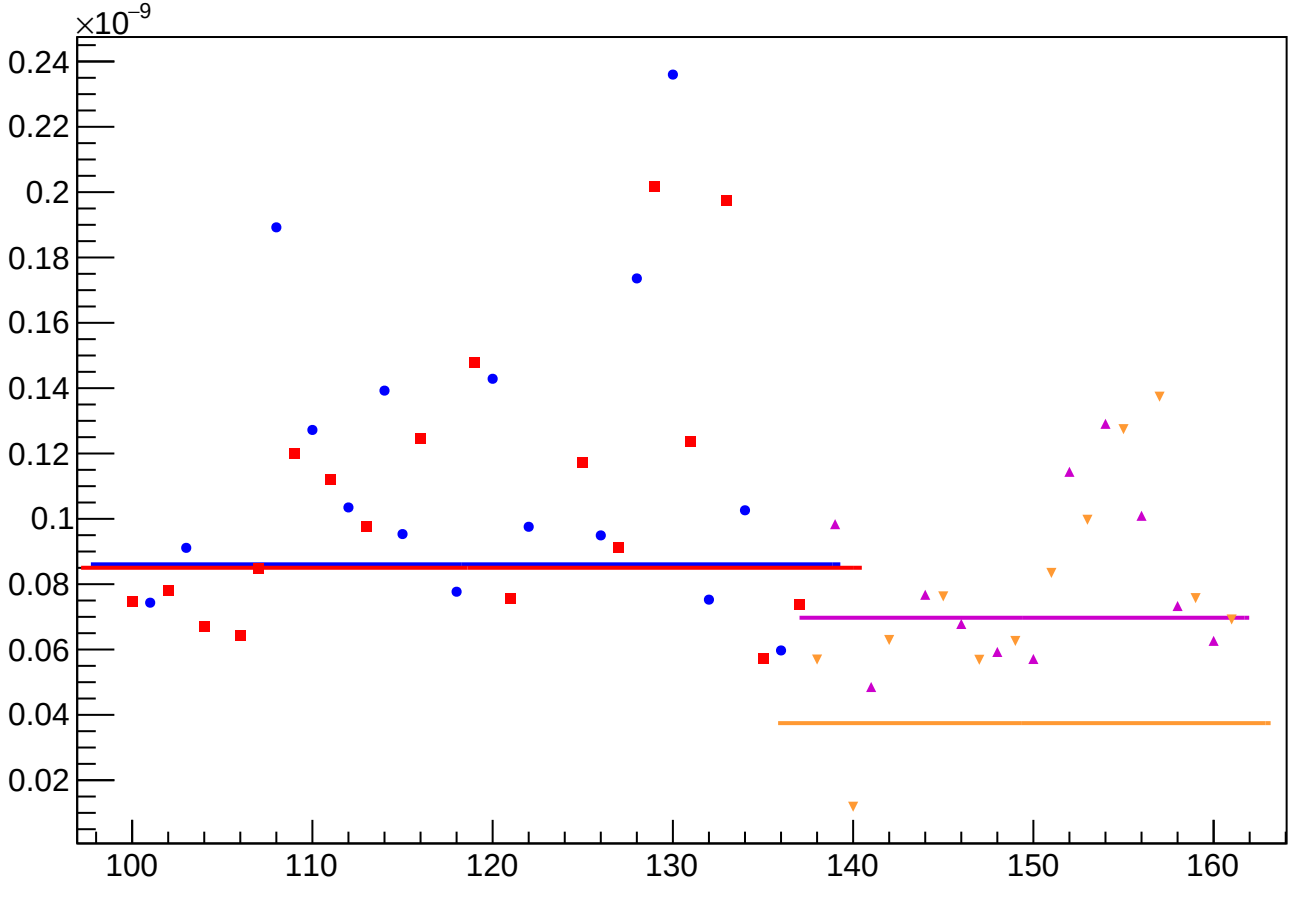
In: -0.020+/-0.049 χ^2/NDF:29.2/26

Out: 0.026+/-0.048 χ^2/NDF:47.7/29

All: 0.004+/-0.034 χ^2/NDF: 77.3/56


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 367.266+/-0.086 χ²/NDF:463179.5/11
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 345.235+/-0.081 χ²/NDF:674989.9/10
Left: 355.628+/-0.059 χ²/NDF: 1172758.9/22
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 175.224+/-0.035 χ²/NDF:6703385.0/26
Out: 167.095+/-0.034 χ²/NDF:7707454.9/29
All: 171.090+/-0.024 χ²/NDF: 14438791.9/56


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/11
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.3/10
Left: -0.000+/-0.000 χ²/NDF: 17.2/22
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.3/26
Out: -0.000+/-0.000 χ²/NDF:25.8/29
All: -0.000+/-0.000 χ²/NDF: 50.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5108185.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1016140.8/10

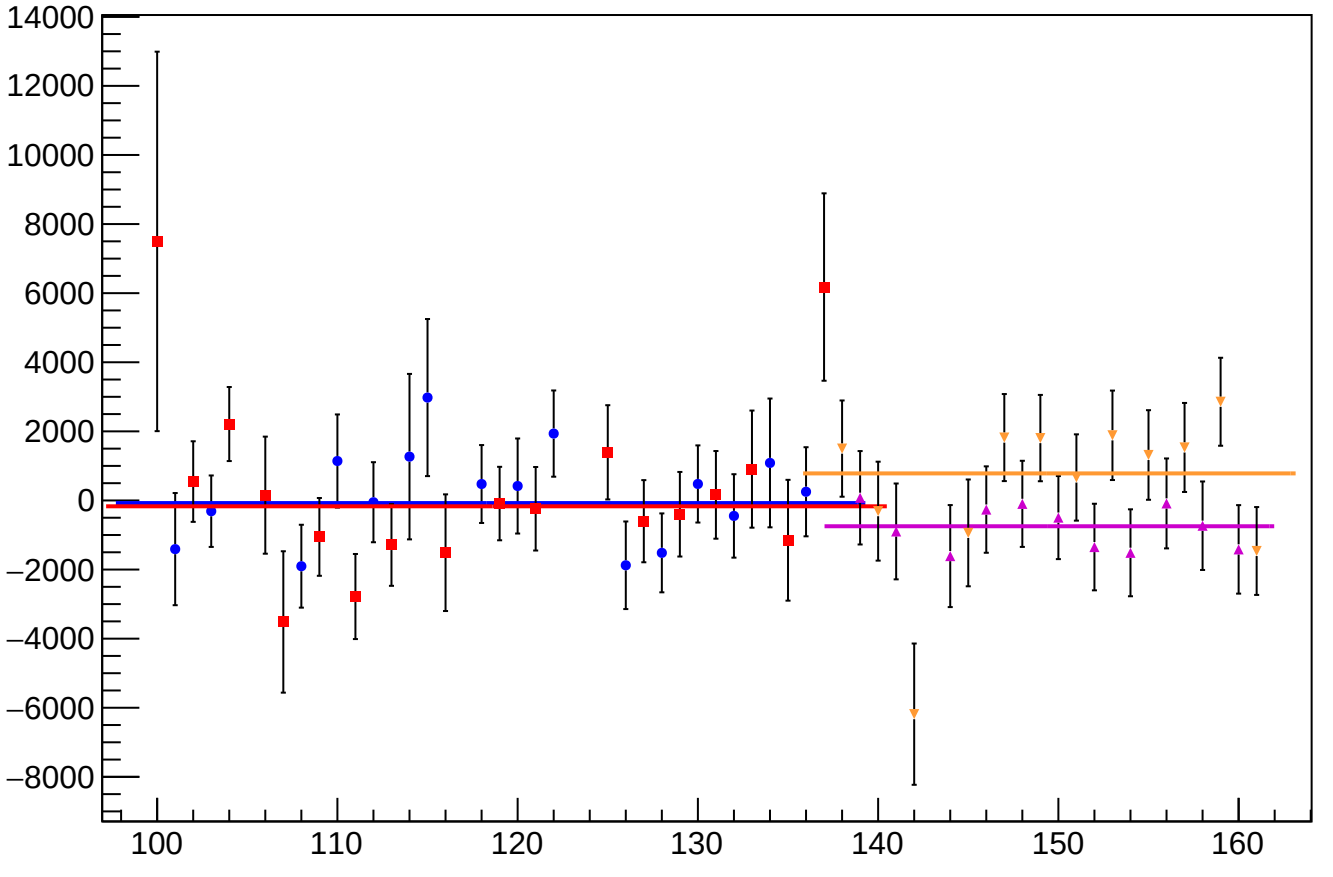
Left: 0.000+/-0.000 χ^2/NDF: 7839676.6/22

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2293291.5/26

Out: 0.000+/-0.000 χ^2/NDF:8193272.9/29

All: 0.000+/-0.000 χ^2/NDF: 12281964.0/56



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 783.060+/-389.200 χ^2/NDF:22.1/11

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -746.686+/-389.871 χ^2/NDF:2.3/10

Left: 19.504+/-275.443 χ^2/NDF: 32.1/22

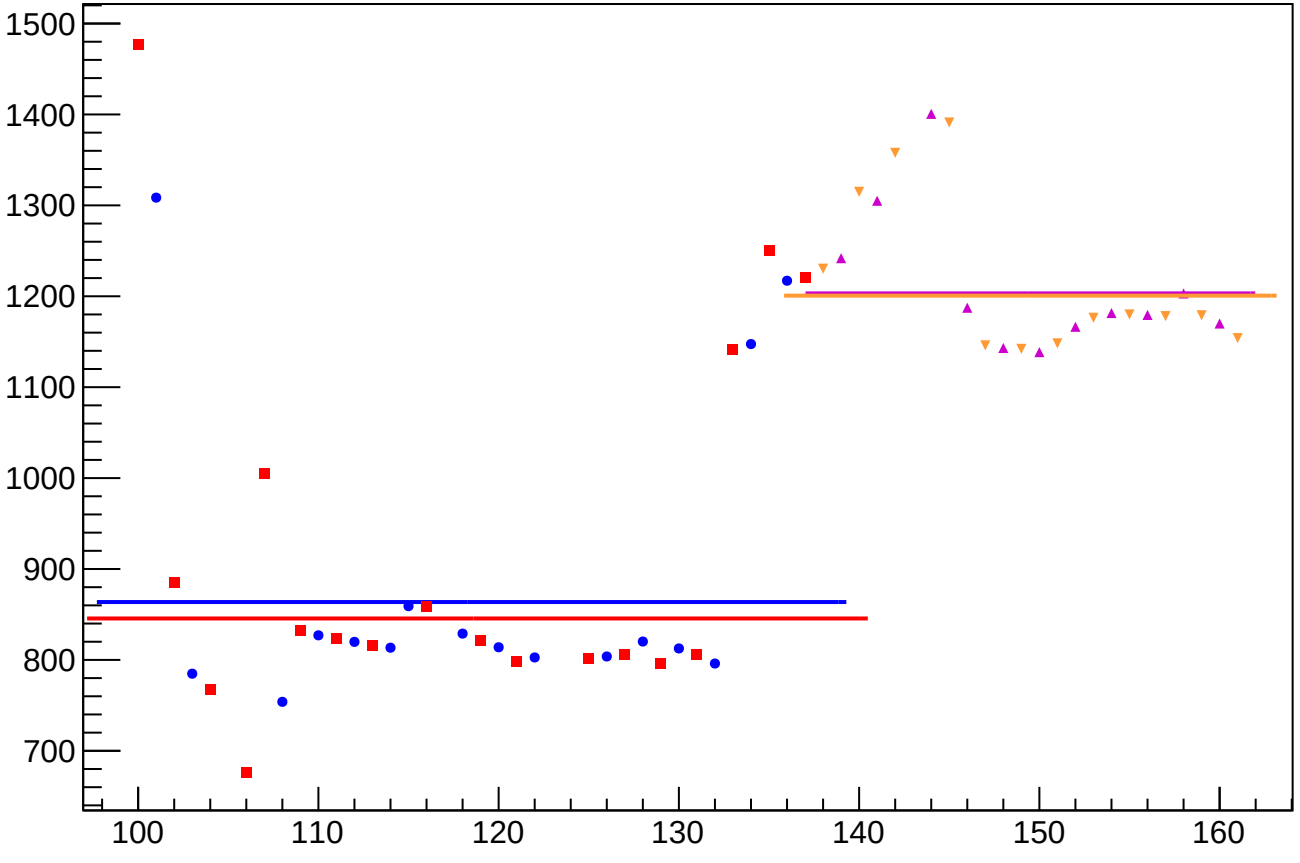
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -352.168+/-250.193 χ^2/NDF:17.4/26

Out: 217.415+/-248.018 χ^2/NDF:50.0/29

All: -64.891+/-176.139 χ^2/NDF: 70.0/56

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

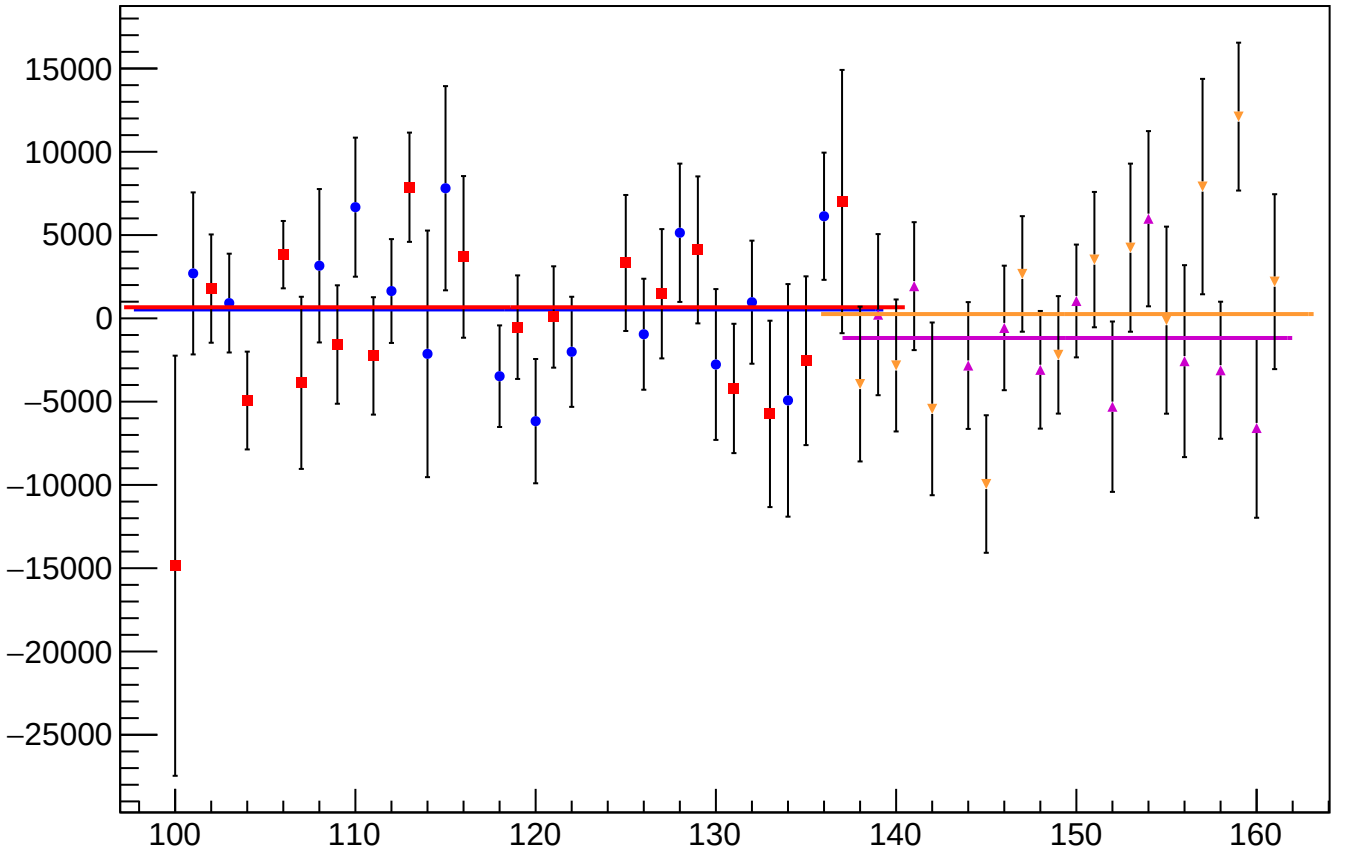
Left: 1201.937+/-0.195 χ^2/NDF: 135904.2/22

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 987.664+/-0.174 χ^2/NDF:1379228.7/29

All: 995.445+/-0.124 χ^2/NDF: 2746193.5/56



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 257.100+/-1278.334 χ^2/NDF:19.6/11

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1178.825+/-1273.580 χ^2/NDF:5.5/10

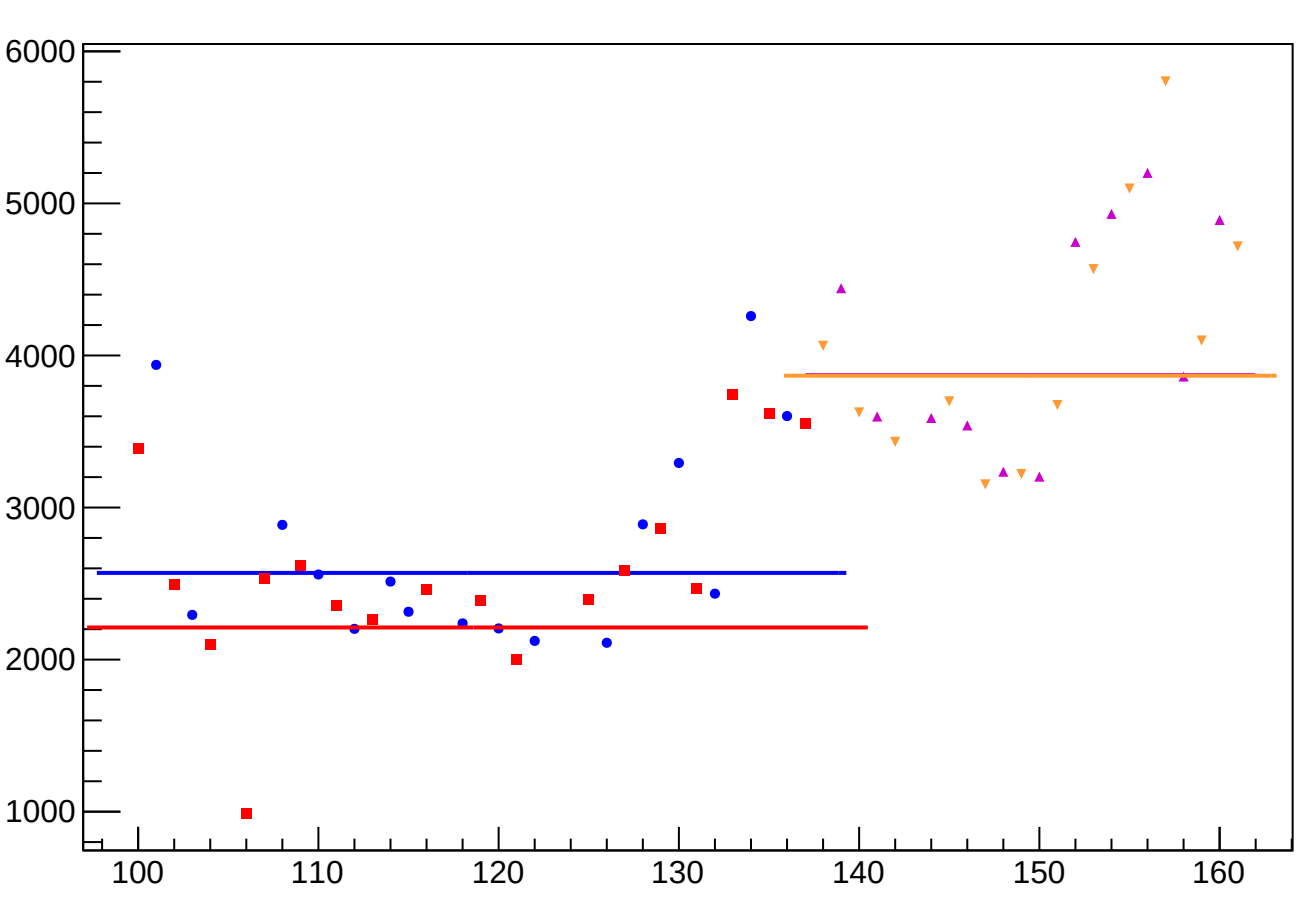
Left: -463.538+/-902.233 χ^2/NDF: 25.7/22

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -103.737+/-777.318 χ^2/NDF:21.3/26

Out: 537.500+/-716.385 χ^2/NDF:39.7/29

All: 242.996+/-526.787 χ^2/NDF: 61.3/56



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3866.948+/-0.904 χ^2/NDF:556930.1/11

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3871.158+/-0.901 χ^2/NDF:525241.5/10

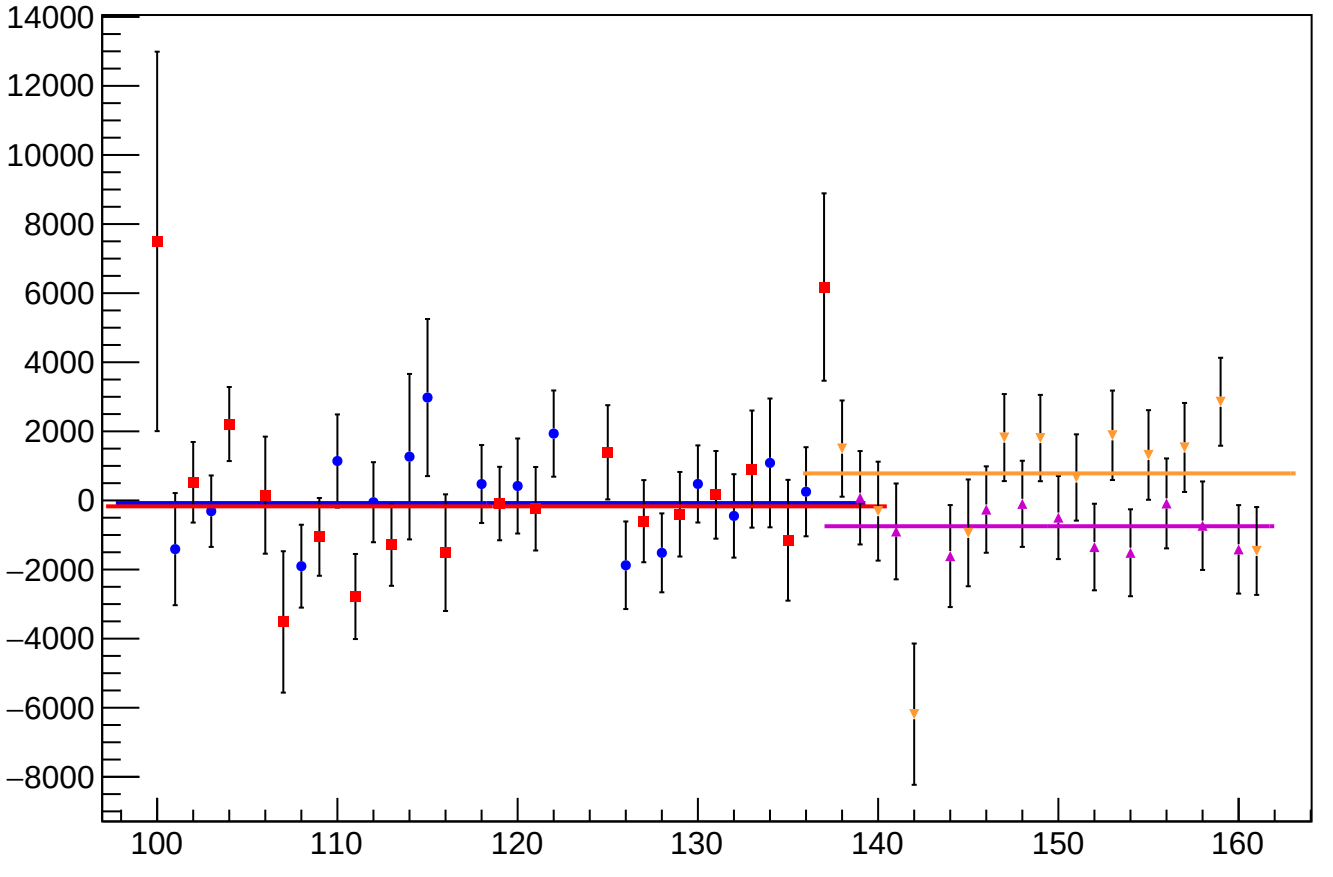
Left: 3869.061+/-0.638 χ^2/NDF: 1082182.5/22

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3054.787+/-0.550 χ^2/NDF:2497354.8/26

Out: 2731.241+/-0.507 χ^2/NDF:4122371.2/29

All: 2879.837+/-0.372 χ^2/NDF: 6807088.3/56



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 783.018+/-389.200 χ^2/NDF:22.1/11

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -746.684+/-389.871 χ^2/NDF:2.3/10

Left: 19.484+/-275.443 χ^2/NDF: 32.1/22

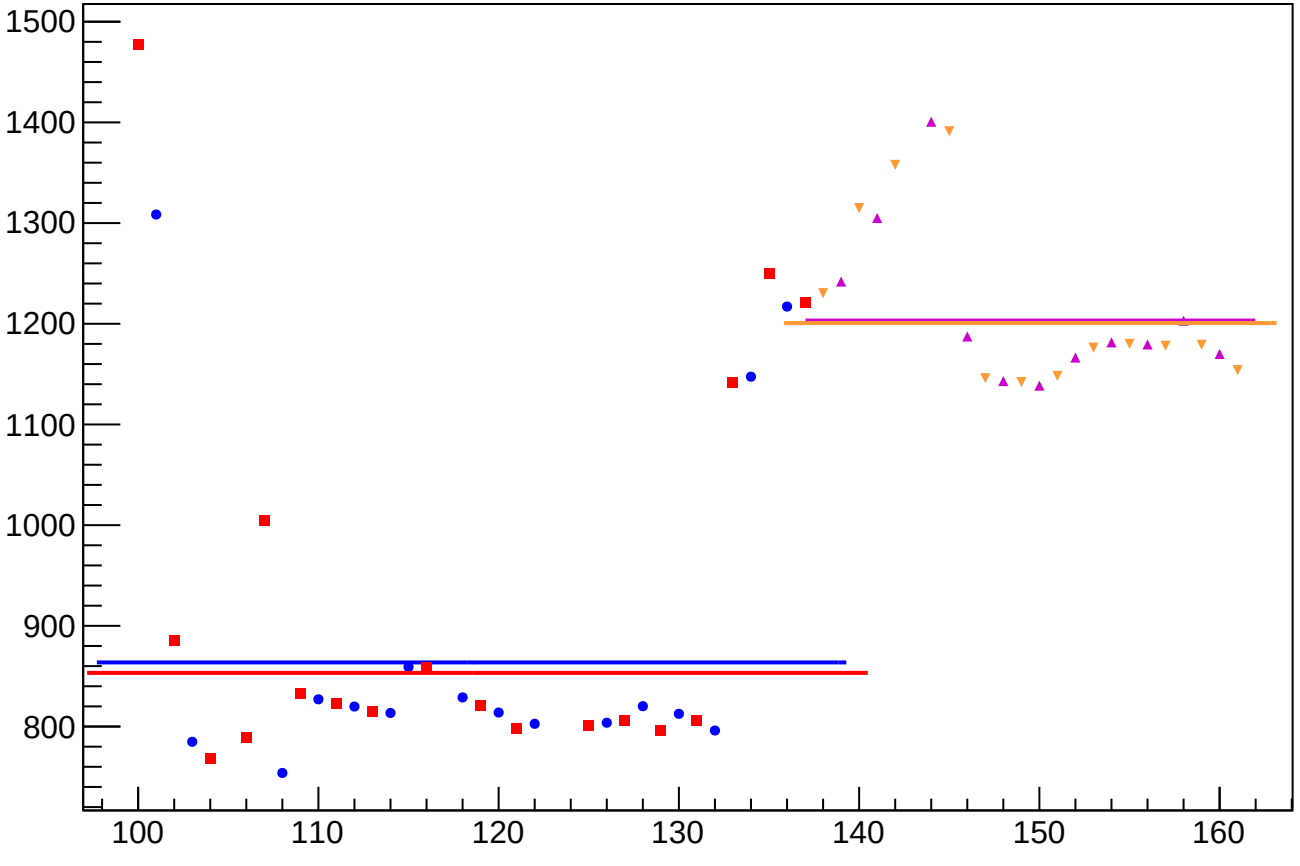
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -352.214+/-250.193 χ^2/NDF:17.4/26

Out: 216.433+/-248.020 χ^2/NDF:50.0/29

All: -65.411+/-176.140 χ^2/NDF: 70.0/56

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

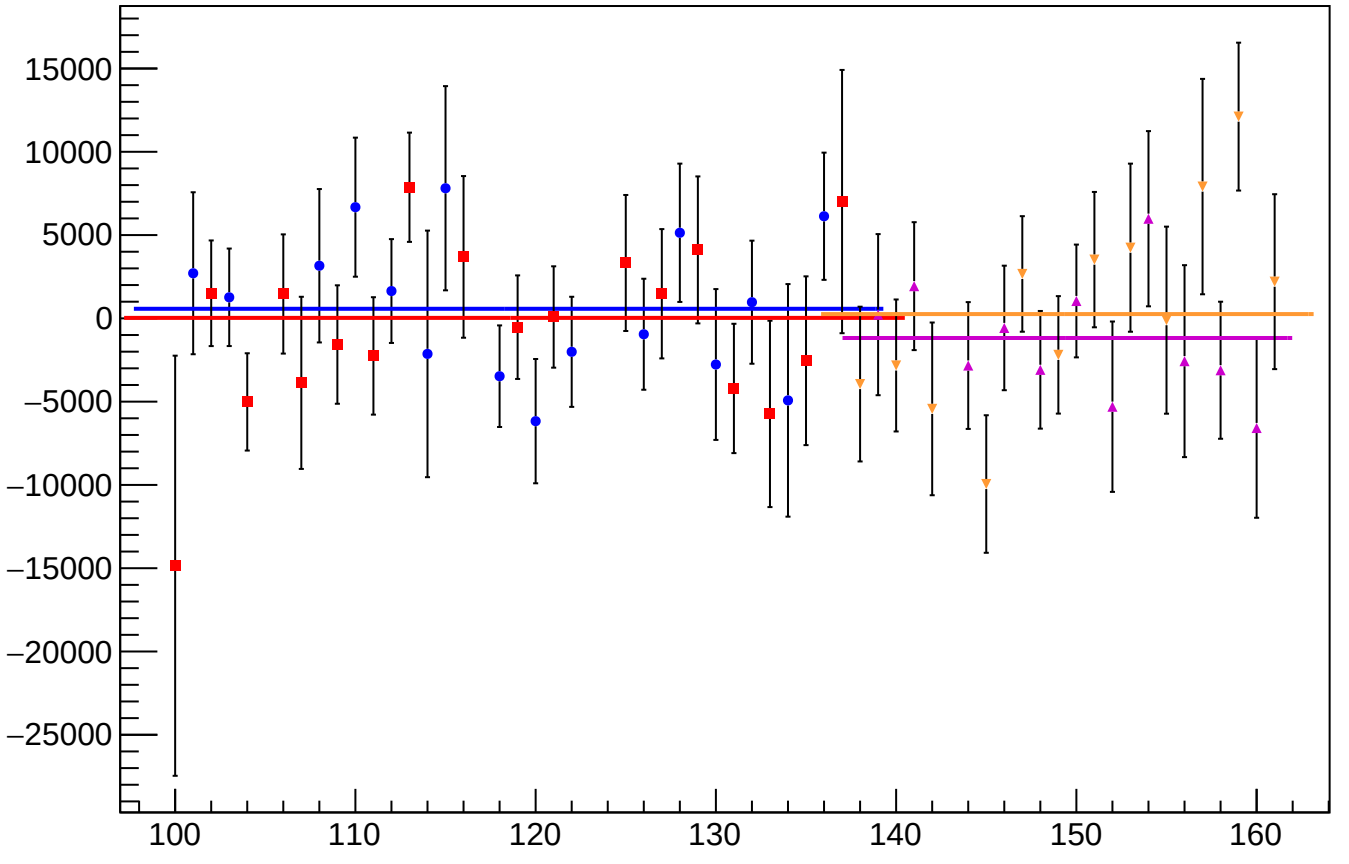
Left: 1201.937+/-0.195 χ^2/NDF: 135904.2/22

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 993.504+/-0.175 χ^2/NDF:1298333.8/29

All: 998.434+/-0.124 χ^2/NDF: 2662846.0/56



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 257.096+/-1278.334 χ^2/NDF:19.6/11

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1178.874+/-1273.579 χ^2/NDF:5.5/10

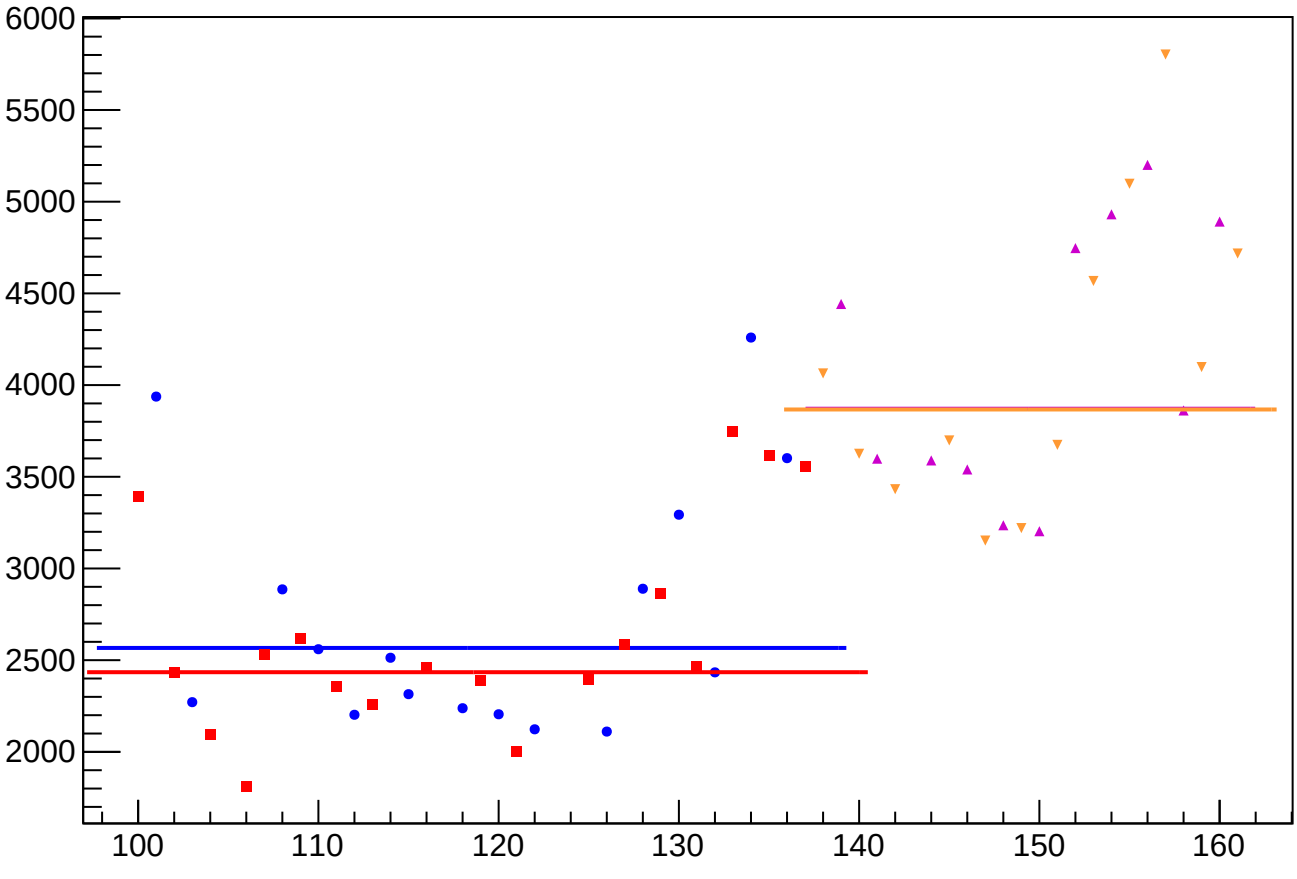
Left: -463.565+/-902.233 χ^2/NDF: 25.7/22

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -77.171+/-776.604 χ^2/NDF:21.4/26

Out: 106.805+/-747.852 χ^2/NDF:36.9/29

All: 18.286+/-538.689 χ^2/NDF: 58.3/56



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3866.946+/-0.904 χ^2/NDF:556926.3/11

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

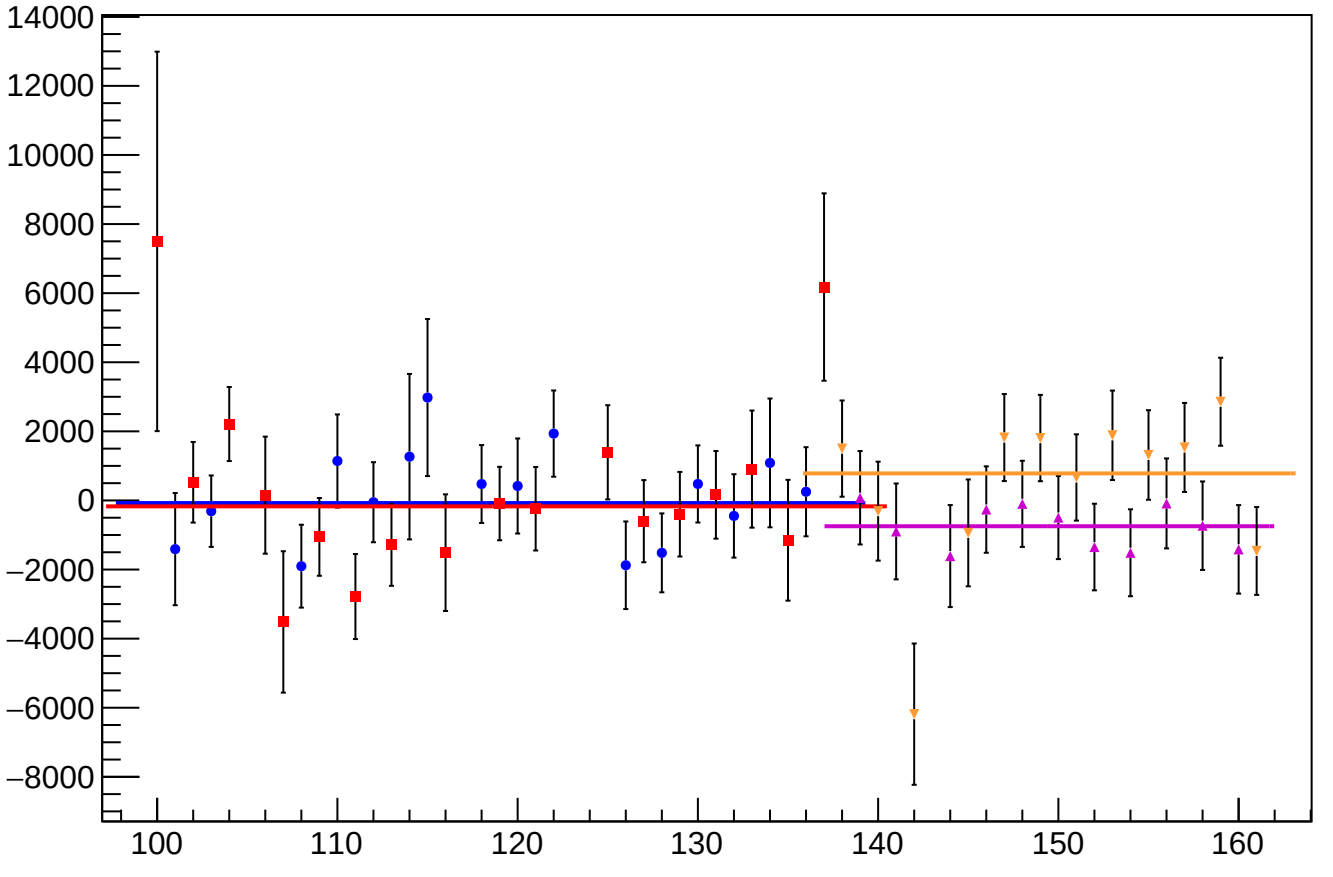
Left: 3869.058+/-0.638 χ^2/NDF: 1082181.4/22

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3051.759+/-0.549 χ^2/NDF:2509036.8/26

Out: 2924.708+/-0.529 χ^2/NDF:2642972.5/29

All: 2985.838+/-0.381 χ^2/NDF: 5179783.1/56



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 783.018+/-389.200 χ^2/NDF:22.1/11

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -746.684+/-389.871 χ^2/NDF:2.3/10

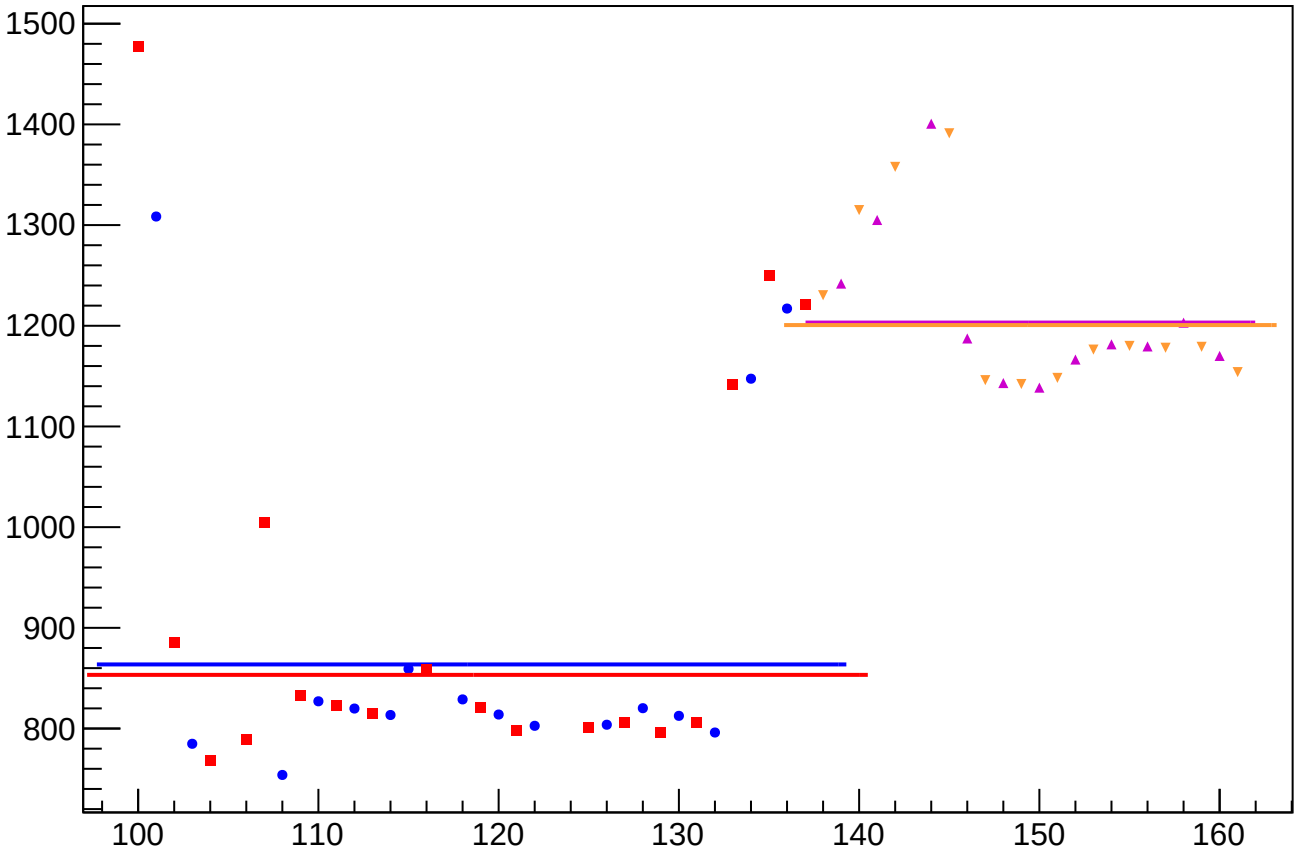
Left: 19.484+/-275.443 χ^2/NDF: 32.1/22

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -352.214+/-250.193 χ^2/NDF:17.4/26

Out: 216.433+/-248.020 χ^2/NDF:50.0/29

All: -65.411+/-176.140 χ^2/NDF: 70.0/56



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

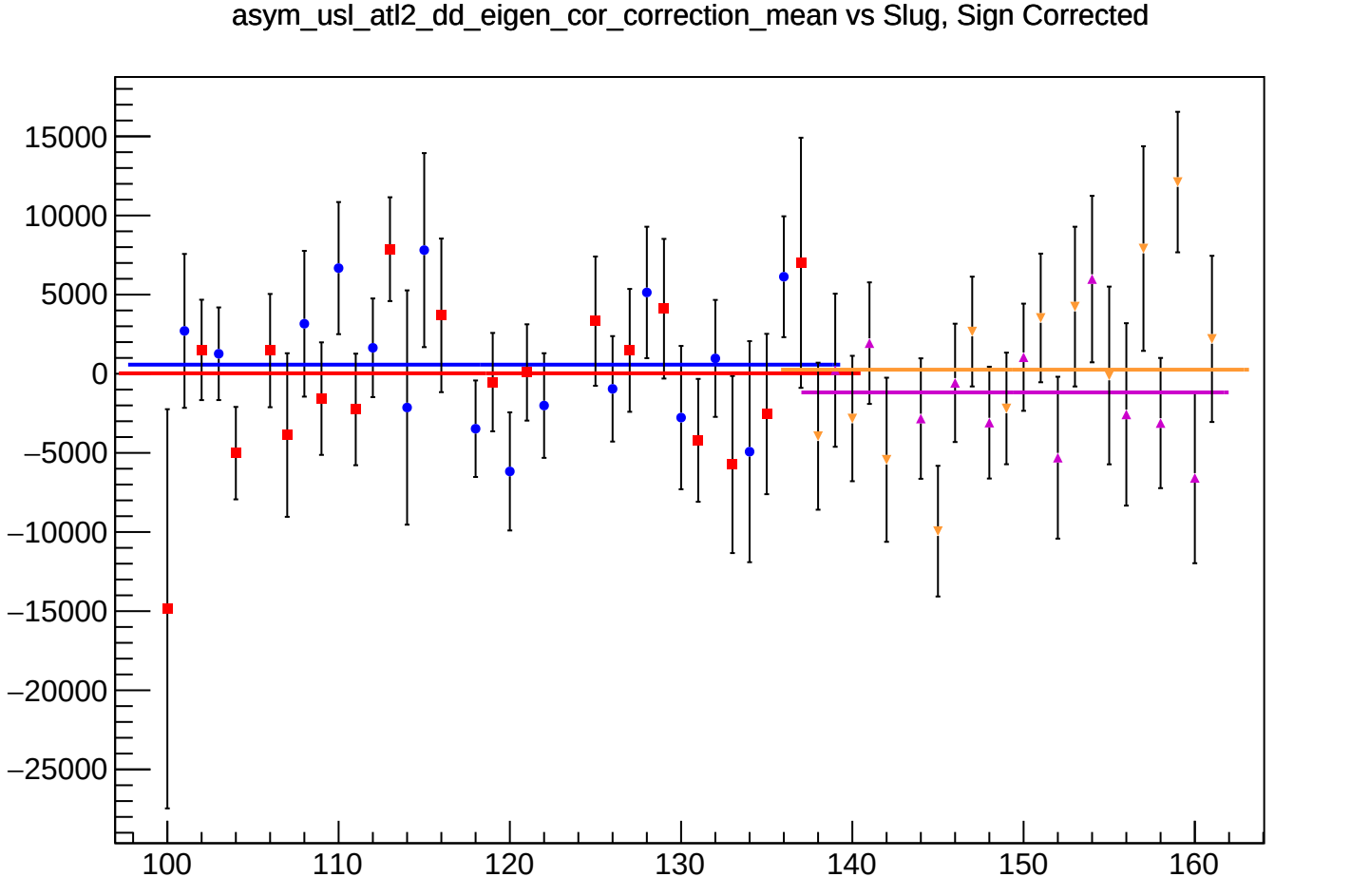
Left: 1201.937+/-0.195 χ^2/NDF: 135904.2/22

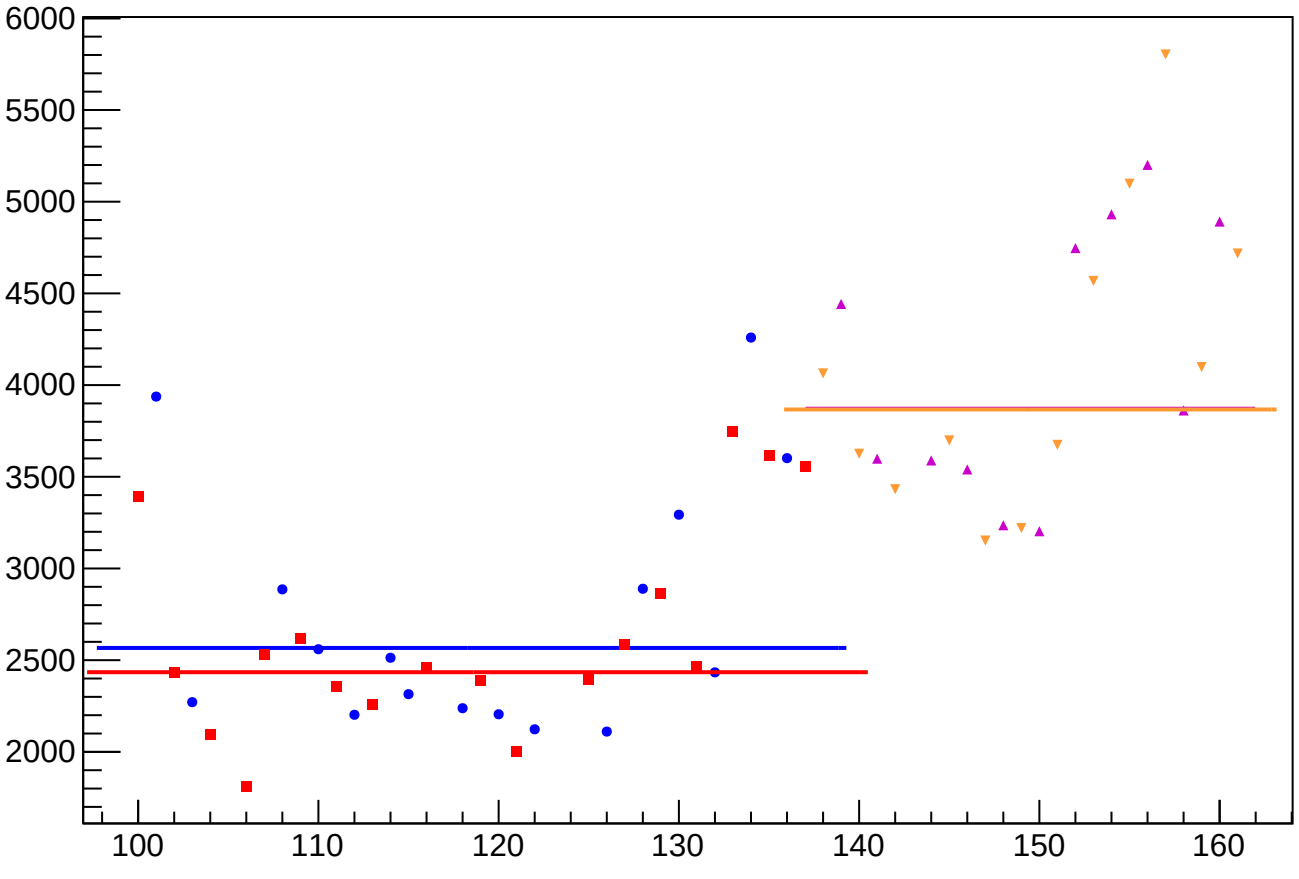
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1003.482+/-0.177 χ^2/NDF:1362902.8/26

Out: 993.504+/-0.175 χ^2/NDF:1298333.8/29

All: 998.434+/-0.124 χ^2/NDF: 2662846.0/56


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 257.096+/-1278.334 χ²/NDF:19.6/11
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -1178.874+/-1273.579 χ²/NDF:5.5/10
Left: -463.565+/-902.233 χ²/NDF: 25.7/22
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -77.171+/-776.604 χ²/NDF:21.4/26
Out: 106.805+/-747.852 χ²/NDF:36.9/29
All: 18.286+/-538.689 χ²/NDF: 58.3/56



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3866.946+/-0.904 χ^2/NDF:556926.3/11

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

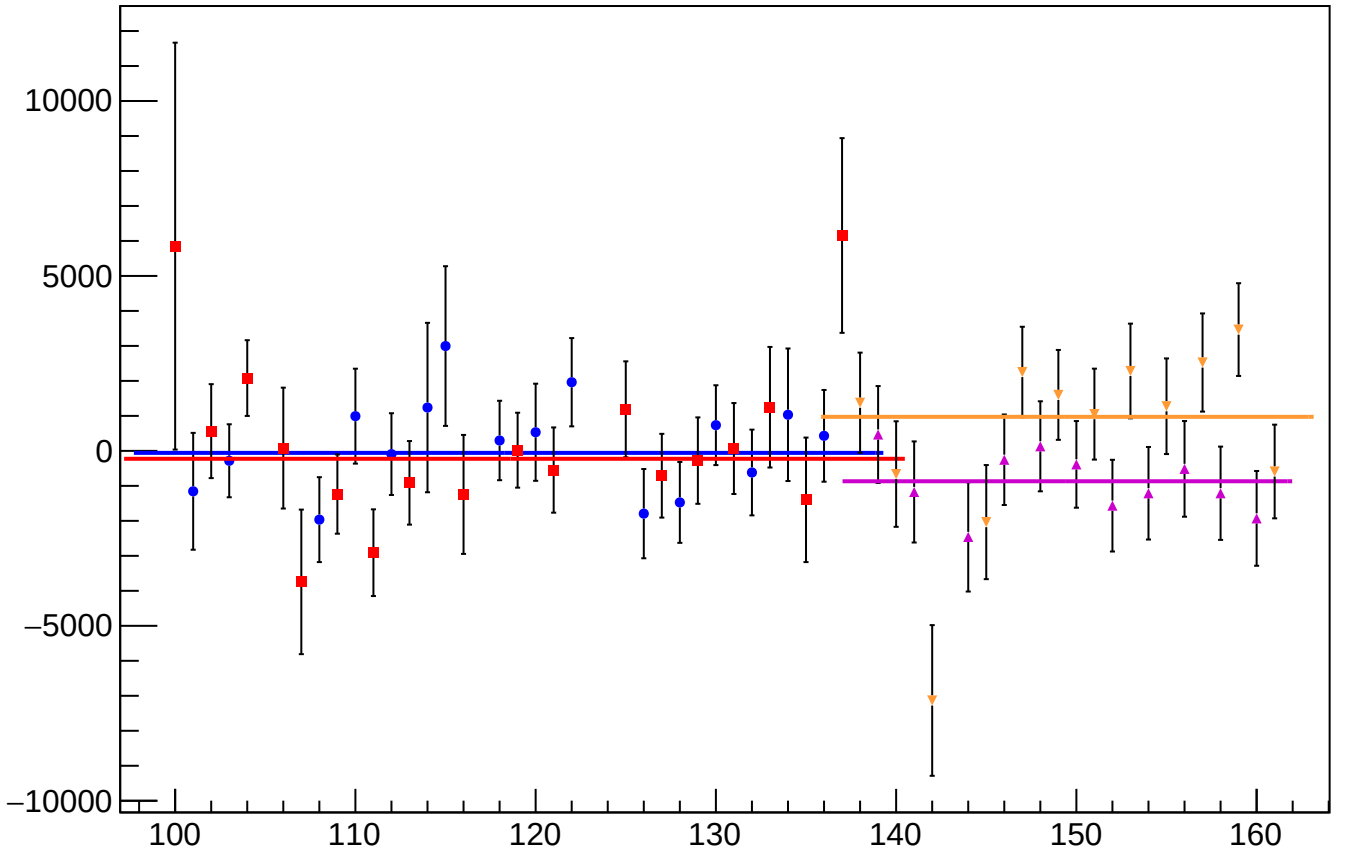
Left: 3869.058+/-0.638 χ^2/NDF: 1082181.4/22

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3051.759+/-0.549 χ^2/NDF:2509036.8/26

Out: 2924.708+/-0.529 χ^2/NDF:2642972.5/29

All: 2985.838+/-0.381 χ^2/NDF: 5179783.1/56



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.456+/-407.170 χ^2/NDF:27.2/11

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -868.202+/-406.187 χ^2/NDF:4.1/10

Left: 50.401+/-287.564 χ^2/NDF: 41.5/22

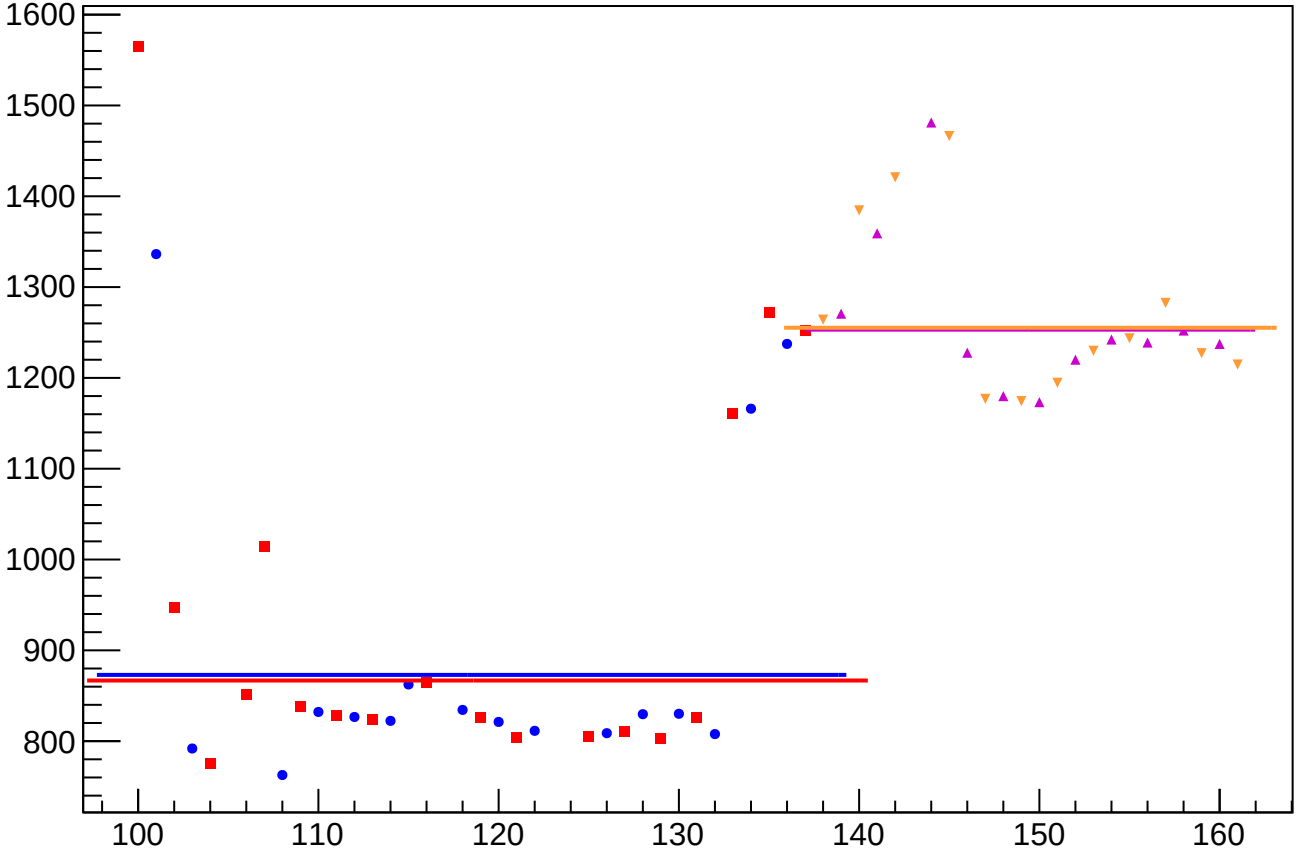
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -379.769+/-256.167 χ^2/NDF:19.5/26

Out: 246.115+/-255.463 χ^2/NDF:55.3/29

All: -65.966+/-180.888 χ^2/NDF: 77.8/56

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1255.235+/-0.288 χ^2/NDF:84041.3/11

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1253.123+/-0.287 χ^2/NDF:71252.8/10

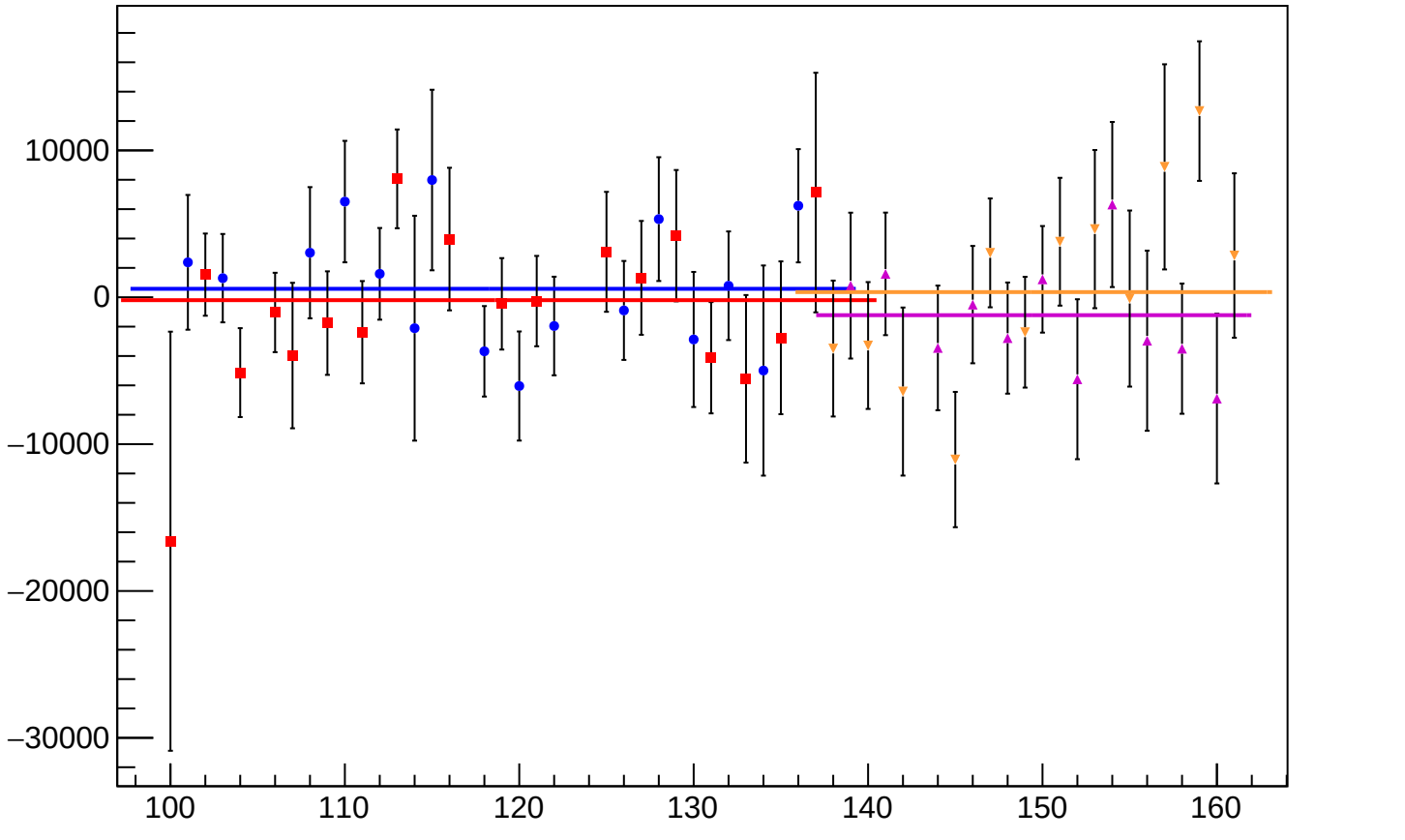
Left: 1254.176+/-0.203 χ^2/NDF: 155321.1/22

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1024.171+/-0.181 χ^2/NDF:1543414.2/26

Out: 1019.505+/-0.181 χ^2/NDF:1479123.3/29

All: 1021.830+/-0.128 χ^2/NDF: 3022870.4/56



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 352.442+/-1369.849 χ^2/NDF:19.6/11

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1220.215+/-1367.499 χ^2/NDF:5.3/10

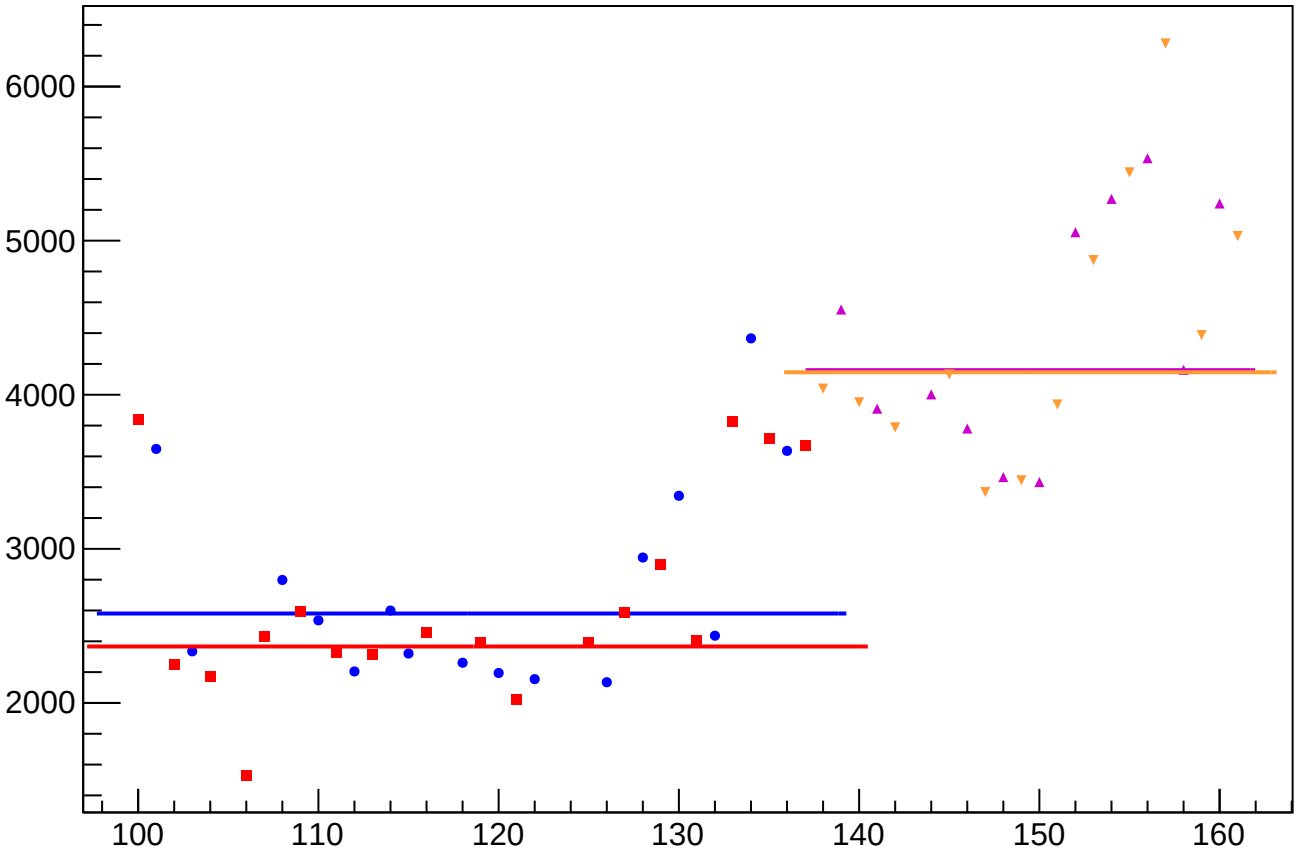
Left: -435.237+/-967.797 χ^2/NDF: 25.6/22

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -37.967+/-799.190 χ^2/NDF:21.1/26

Out: -33.519+/-748.740 χ^2/NDF:36.9/29

All: -35.598+/-546.405 χ^2/NDF: 58.1/56



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4145.776+/-0.969 χ^2/NDF:546713.1/11

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4159.612+/-0.967 χ^2/NDF:490652.9/10

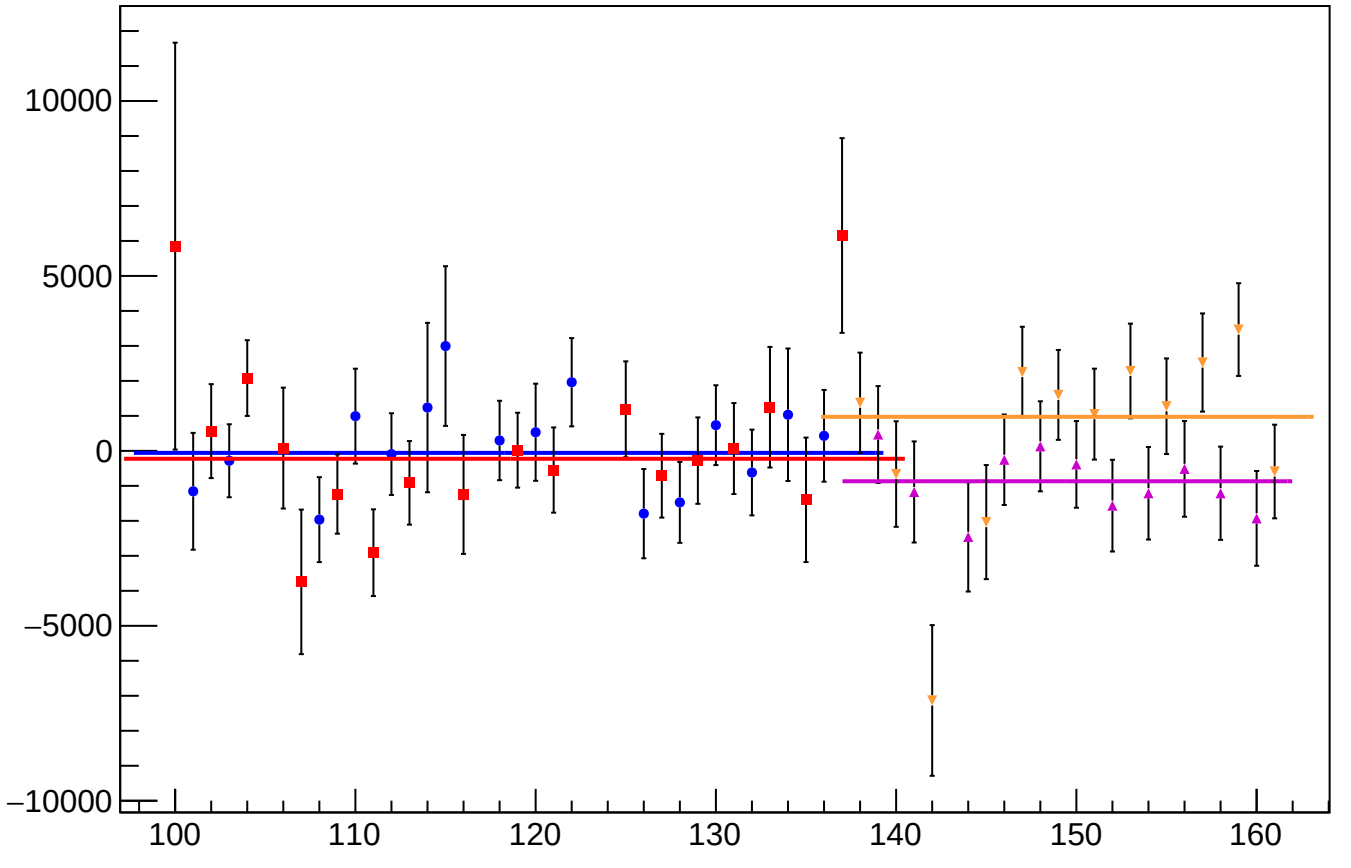
Left: 4152.706+/-0.684 χ^2/NDF: 1037468.1/22

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3119.755+/-0.565 χ^2/NDF:2864099.7/26

Out: 2898.008+/-0.529 χ^2/NDF:3524781.5/29

All: 3001.662+/-0.386 χ^2/NDF: 6470880.9/56



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.456+/-407.171 χ^2/NDF:27.2/11

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -868.202+/-406.187 χ^2/NDF:4.1/10

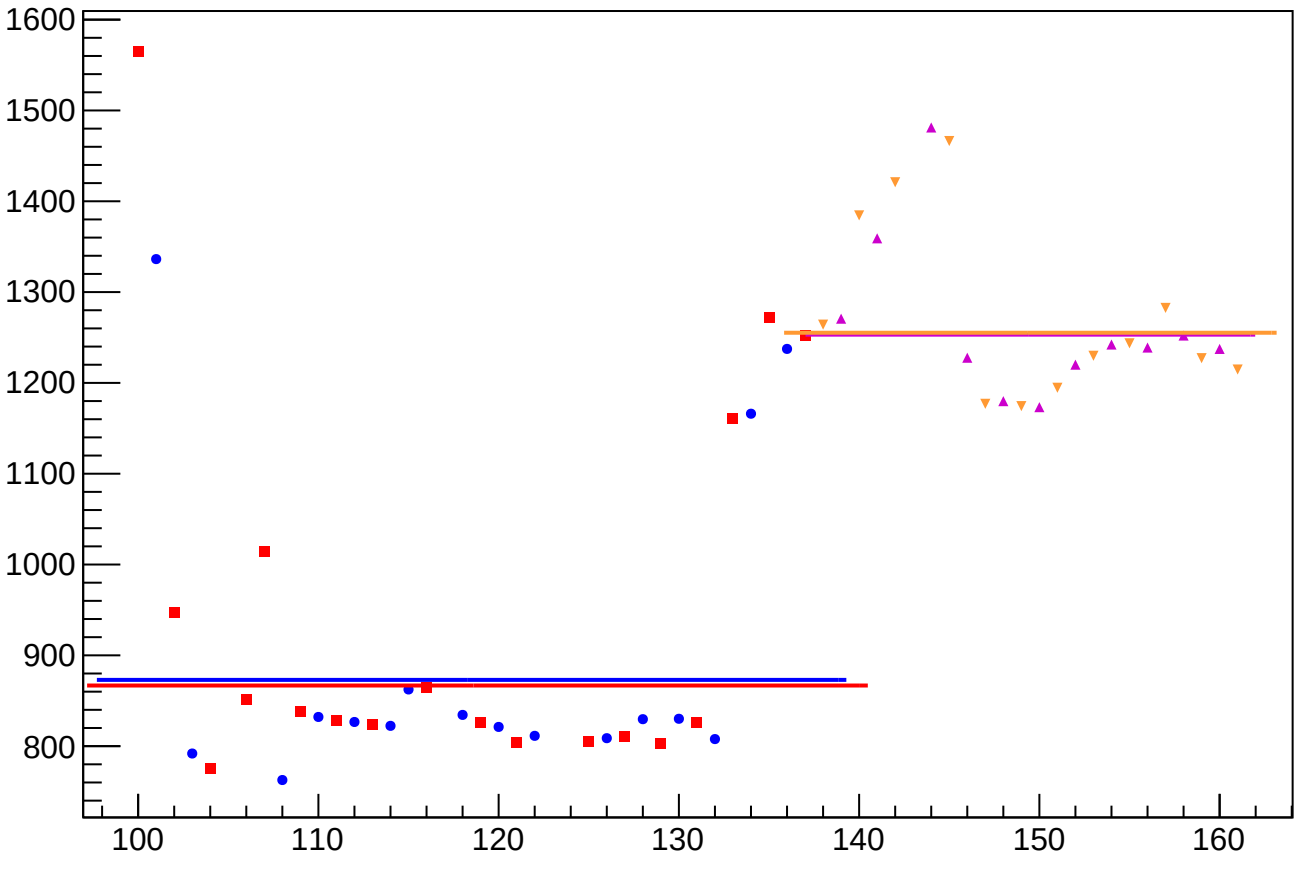
Left: 50.401+/-287.565 χ^2/NDF: 41.5/22

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -379.770+/-256.167 χ^2/NDF:19.5/26

Out: 246.112+/-255.463 χ^2/NDF:55.3/29

All: -65.968+/-180.888 χ^2/NDF: 77.8/56



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1255.236+/-0.288 χ^2/NDF:84042.7/11

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1253.124+/-0.287 χ^2/NDF:71253.5/10

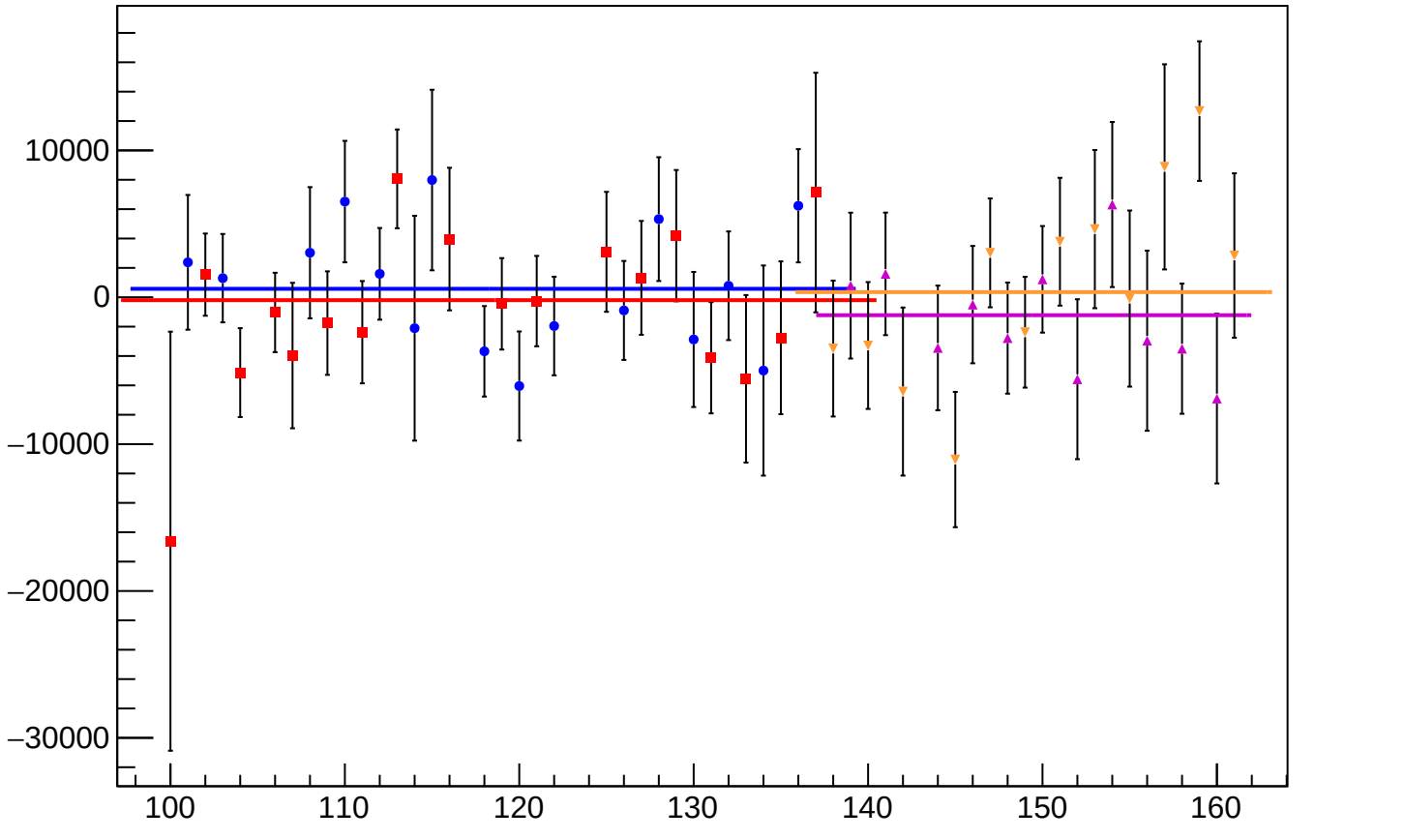
Left: 1254.178+/-0.203 χ^2/NDF: 155323.2/22

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1024.172+/-0.181 χ^2/NDF:1543420.3/26

Out: 1019.506+/-0.181 χ^2/NDF:1479130.9/29

All: 1021.831+/-0.128 χ^2/NDF: 3022884.1/56



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 352.444+/-1369.850 χ^2/NDF:19.6/11

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1220.216+/-1367.500 χ^2/NDF:5.3/10

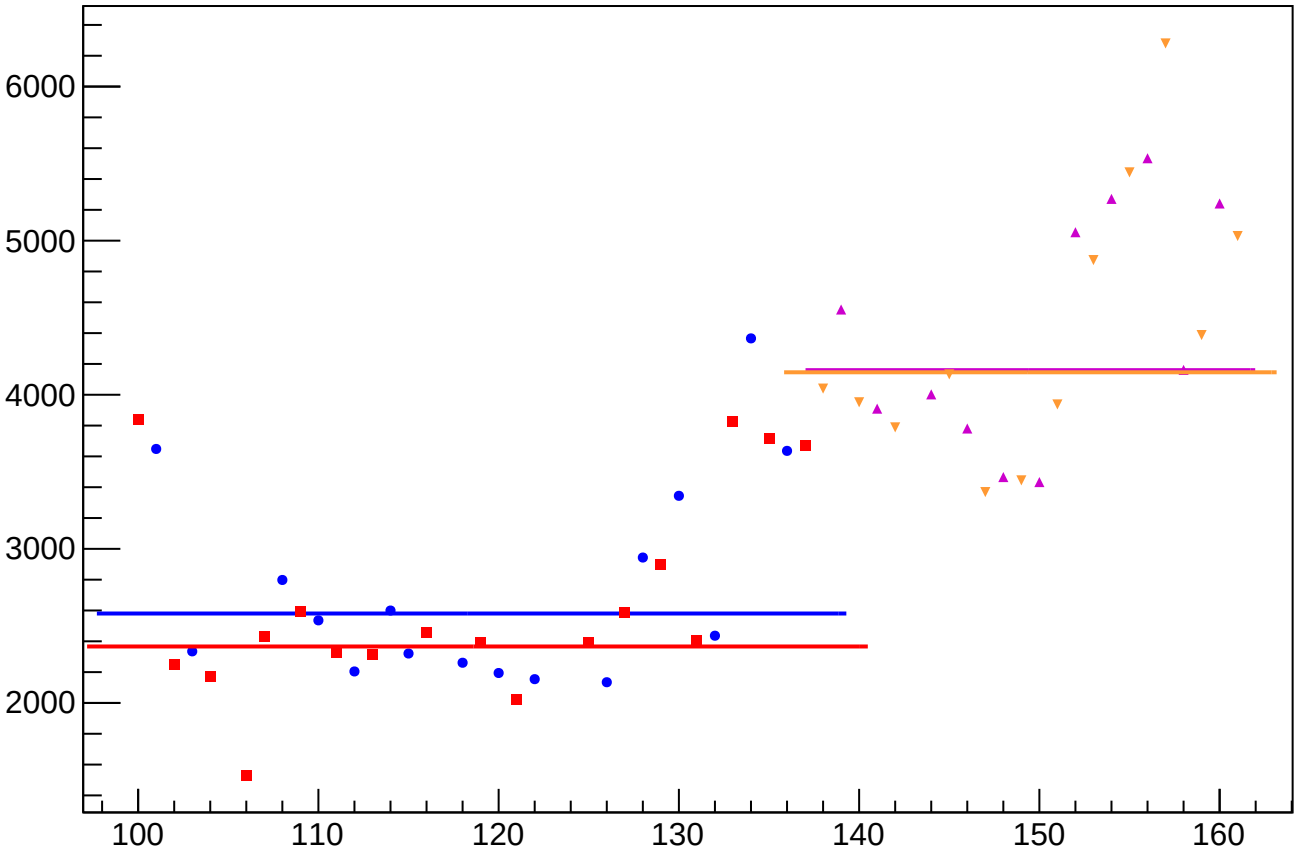
Left: -435.236+/-967.799 χ^2/NDF: 25.6/22

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -37.966+/-799.189 χ^2/NDF:21.1/26

Out: -33.521+/-748.739 χ^2/NDF:36.9/29

All: -35.599+/-546.404 χ^2/NDF: 58.1/56



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4145.781+/-0.969 χ^2/NDF:546715.6/11

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4159.617+/-0.967 χ^2/NDF:490656.2/10

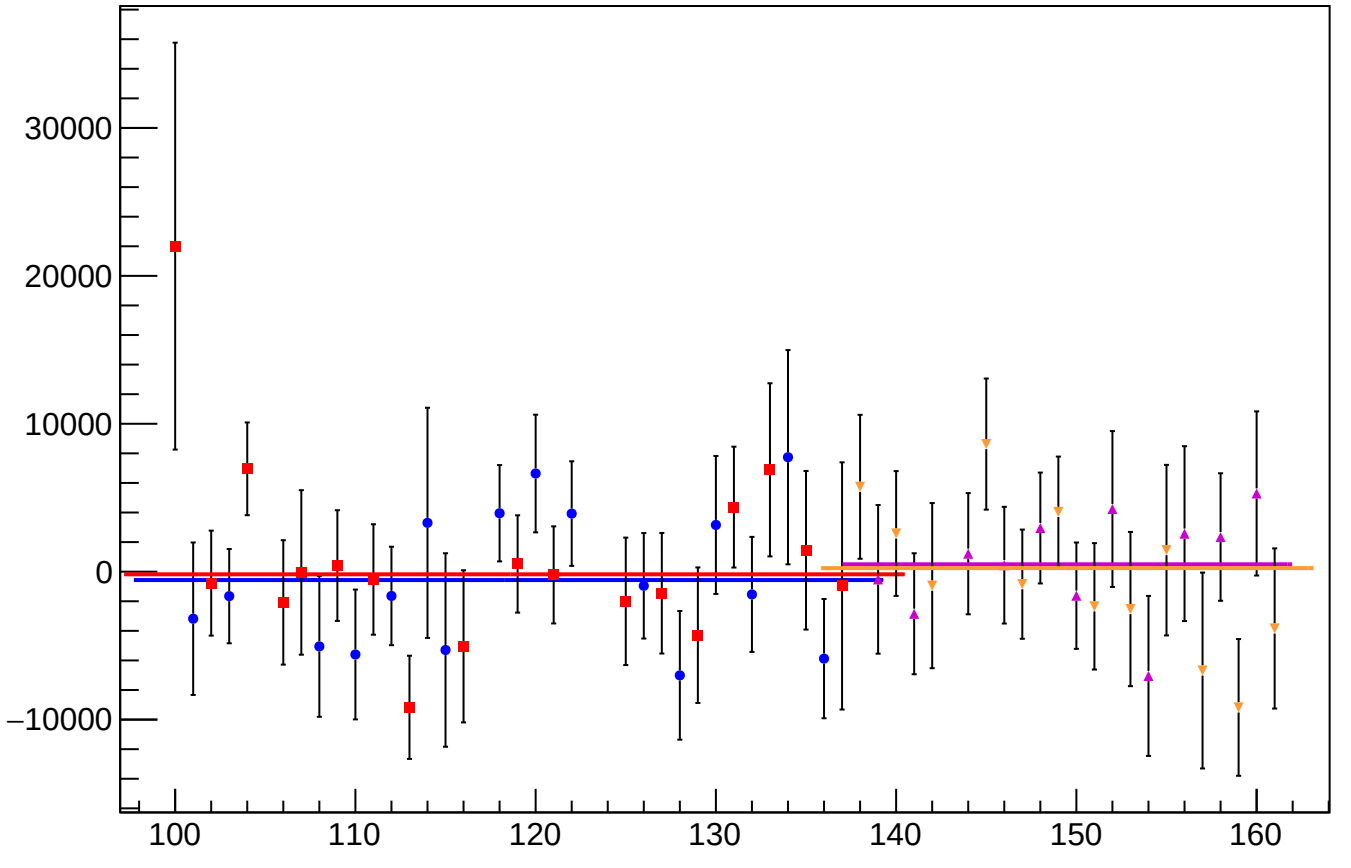
Left: 4152.711+/-0.684 χ^2/NDF: 1037474.0/22

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3119.748+/-0.565 χ^2/NDF:2864140.7/26

Out: 2898.002+/-0.529 χ^2/NDF:3524819.7/29

All: 3001.655+/-0.386 χ^2/NDF: 6470959.9/56



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 240.364+/-1346.465 χ^2/NDF:12.8/11

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 499.157+/-1339.955 χ^2/NDF:5.0/10

Left: 370.387+/-949.785 χ^2/NDF: 17.9/22

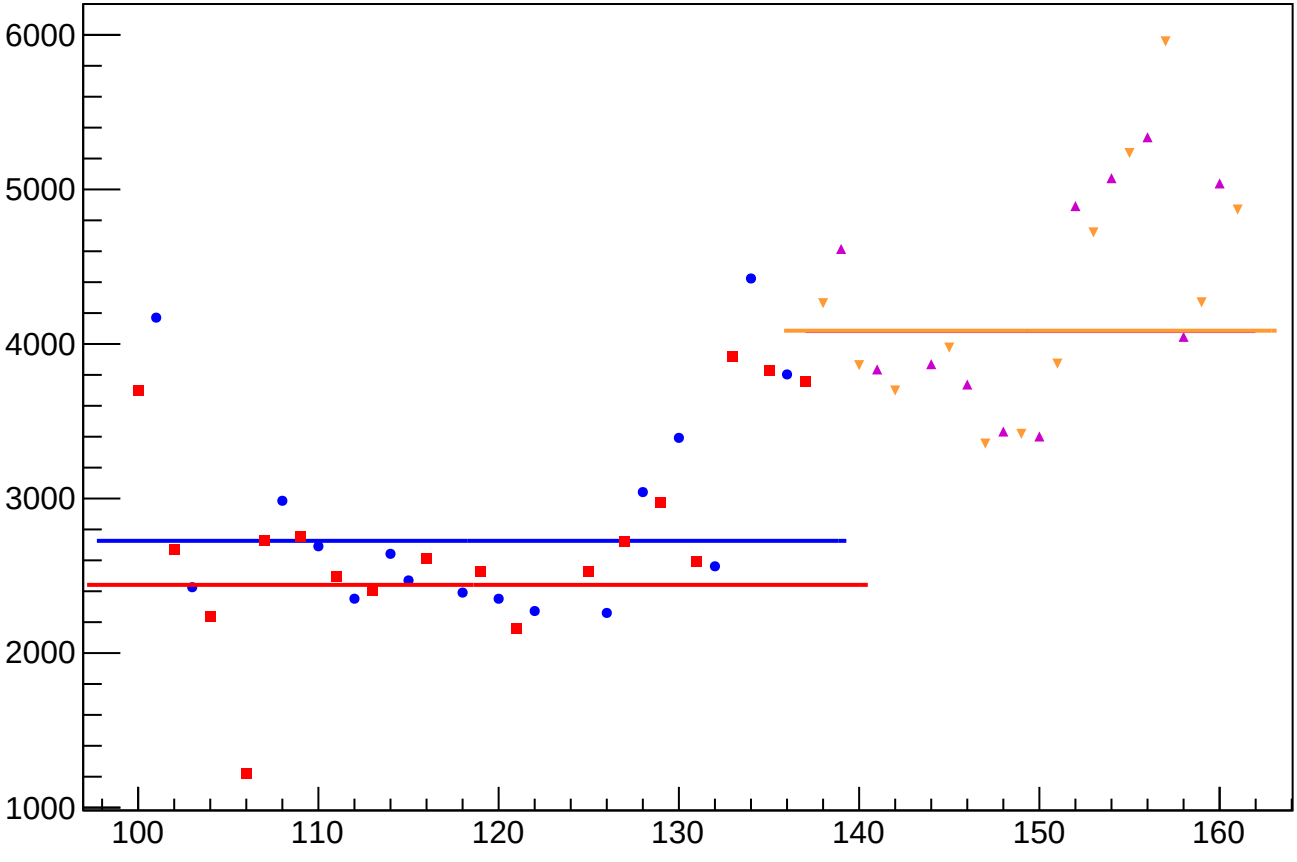
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -165.478+/-821.730 χ^2/NDF:21.6/26

Out: -31.885+/-796.767 χ^2/NDF:32.4/29

All: -96.621+/-572.021 χ^2/NDF: 54.1/56

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4086.049+/-0.952 χ^2/NDF:480159.3/11

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4083.703+/-0.947 χ^2/NDF:446157.1/10

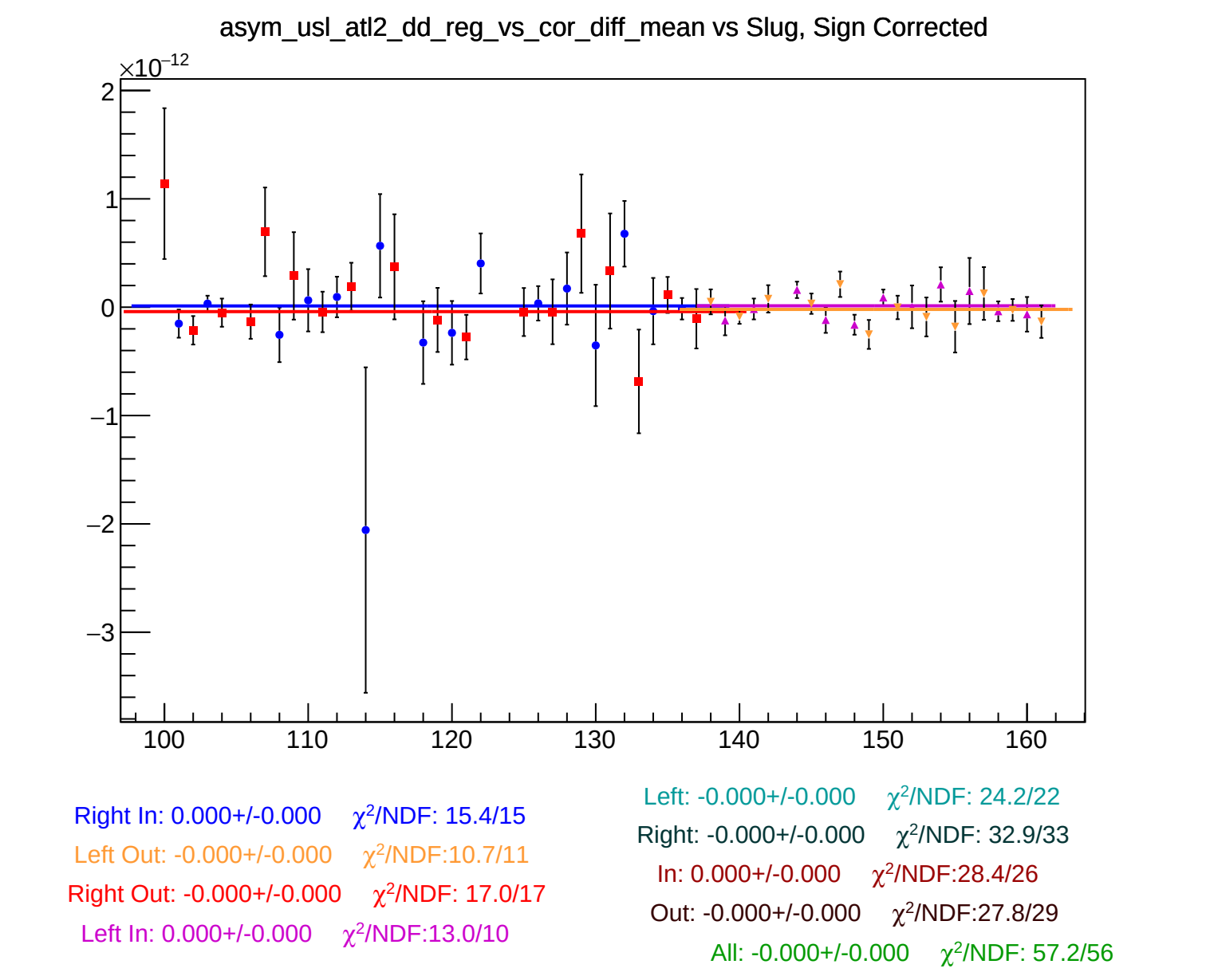
Left: 4084.870+/-0.672 χ^2/NDF: 926319.5/22

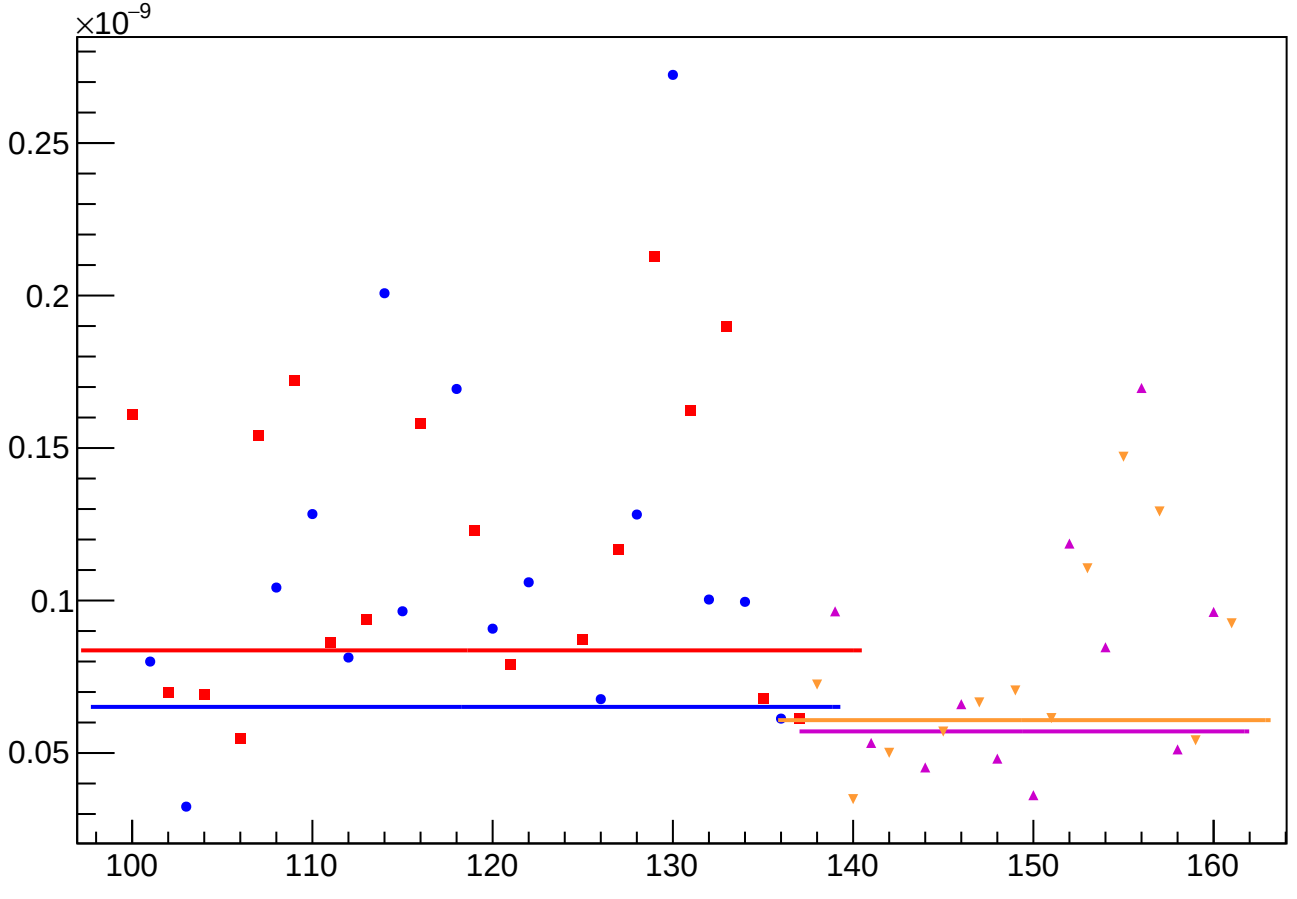
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3236.746+/-0.581 χ^2/NDF:2349918.6/26

Out: 2982.750+/-0.546 χ^2/NDF:3373070.1/29

All: 3101.915+/-0.398 χ^2/NDF: 5824424.0/56


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:10.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:13.0/10
Left: -0.000+/-0.000 χ²/NDF: 24.2/22
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:28.4/26
Out: -0.000+/-0.000 χ²/NDF:27.8/29
All: -0.000+/-0.000 χ²/NDF: 57.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026453.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1064967.4/10

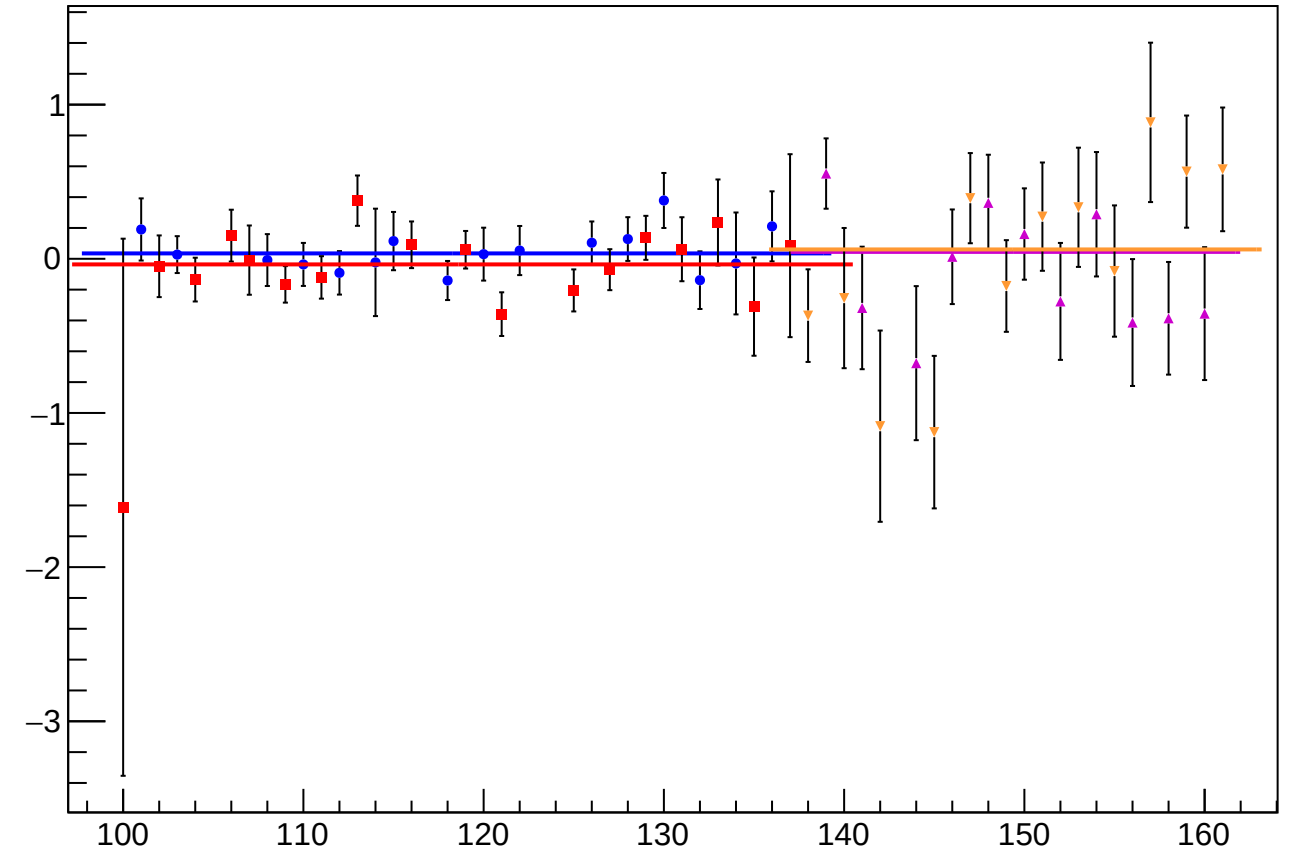
Left: 0.000+/-0.000 χ^2/NDF: 2103951.9/22

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2330656.9/26

Out: 0.000+/-0.000 χ^2/NDF:1982326.4/29

All: 0.000+/-0.000 χ^2/NDF: 4384659.4/56



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.061+/-0.109 χ^2/NDF:20.7/11

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.045+/-0.103 χ^2/NDF:13.7/10

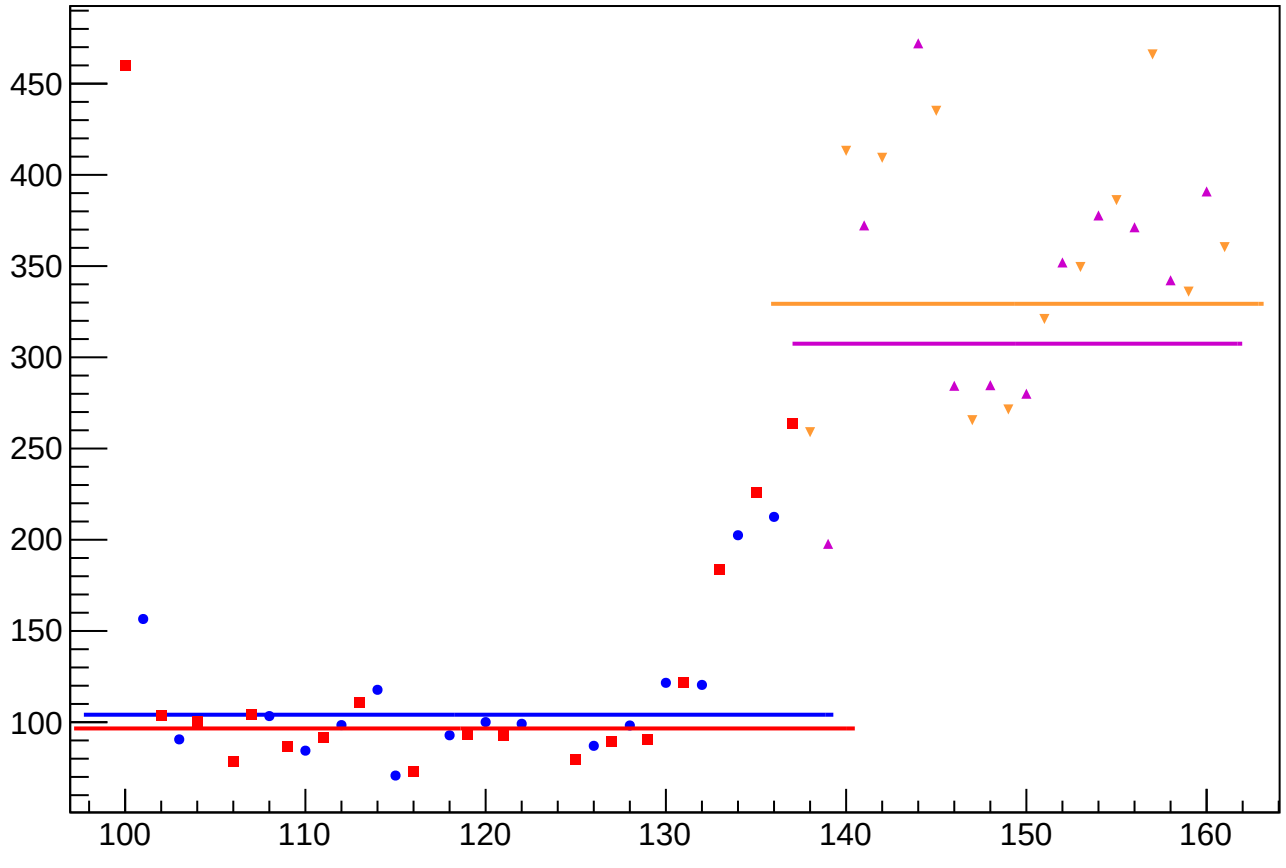
Left: 0.052+/-0.075 χ^2/NDF: 34.4/22

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.025+/-0.037 χ^2/NDF:43.5/29

All: 0.004+/-0.026 χ^2/NDF: 68.3/56



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 329.329+/-0.077 χ^2/NDF:668197.8/11

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

Left: 317.761+/-0.053 χ^2/NDF: 1711786.0/22

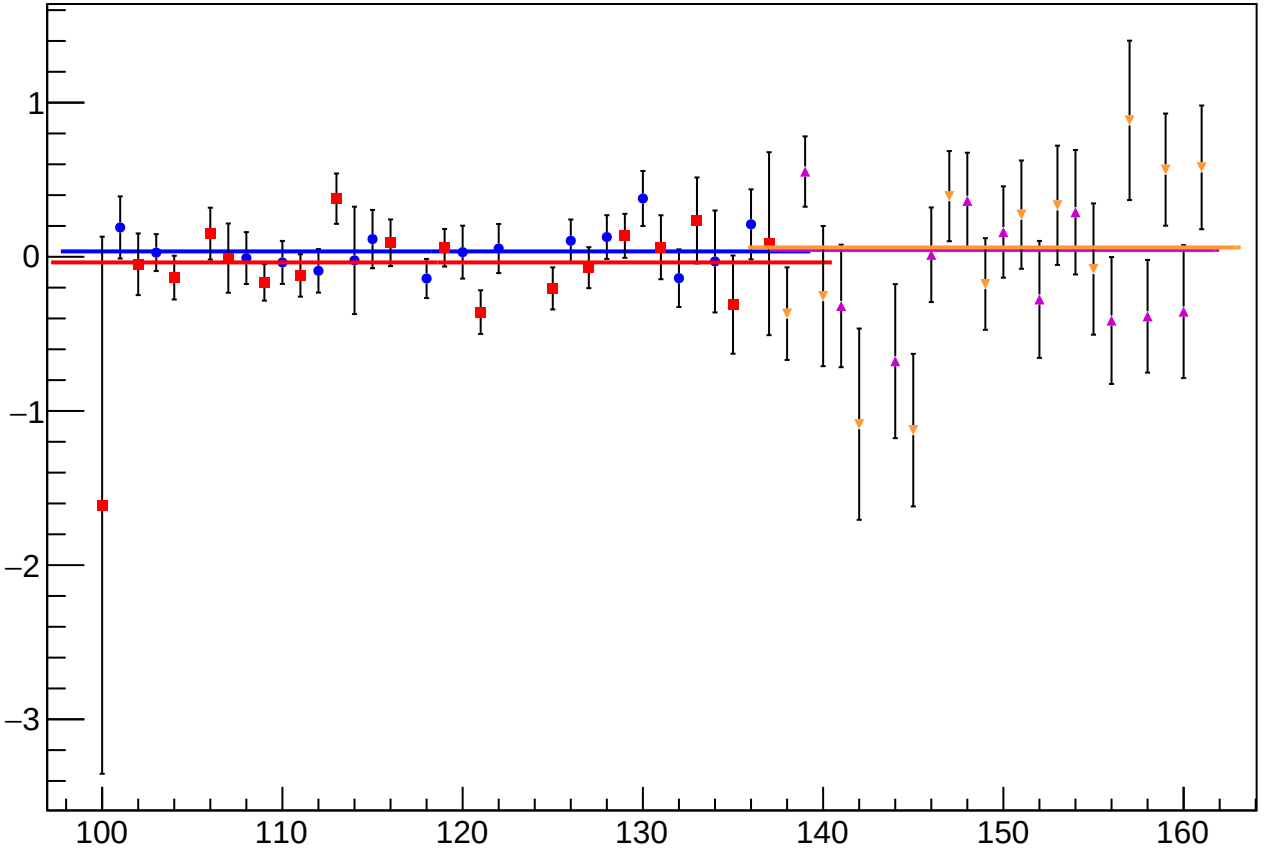
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 131.810+/-0.027 χ^2/NDF:8685831.5/26

Out: 122.659+/-0.026 χ^2/NDF:9650177.9/29

All: 127.054+/-0.019 χ^2/NDF: 18395861.9/56

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.061+/-0.109 χ^2/NDF:20.7/11

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.045+/-0.103 χ^2/NDF:13.7/10

Left: 0.052+/-0.075 χ^2/NDF: 34.4/22

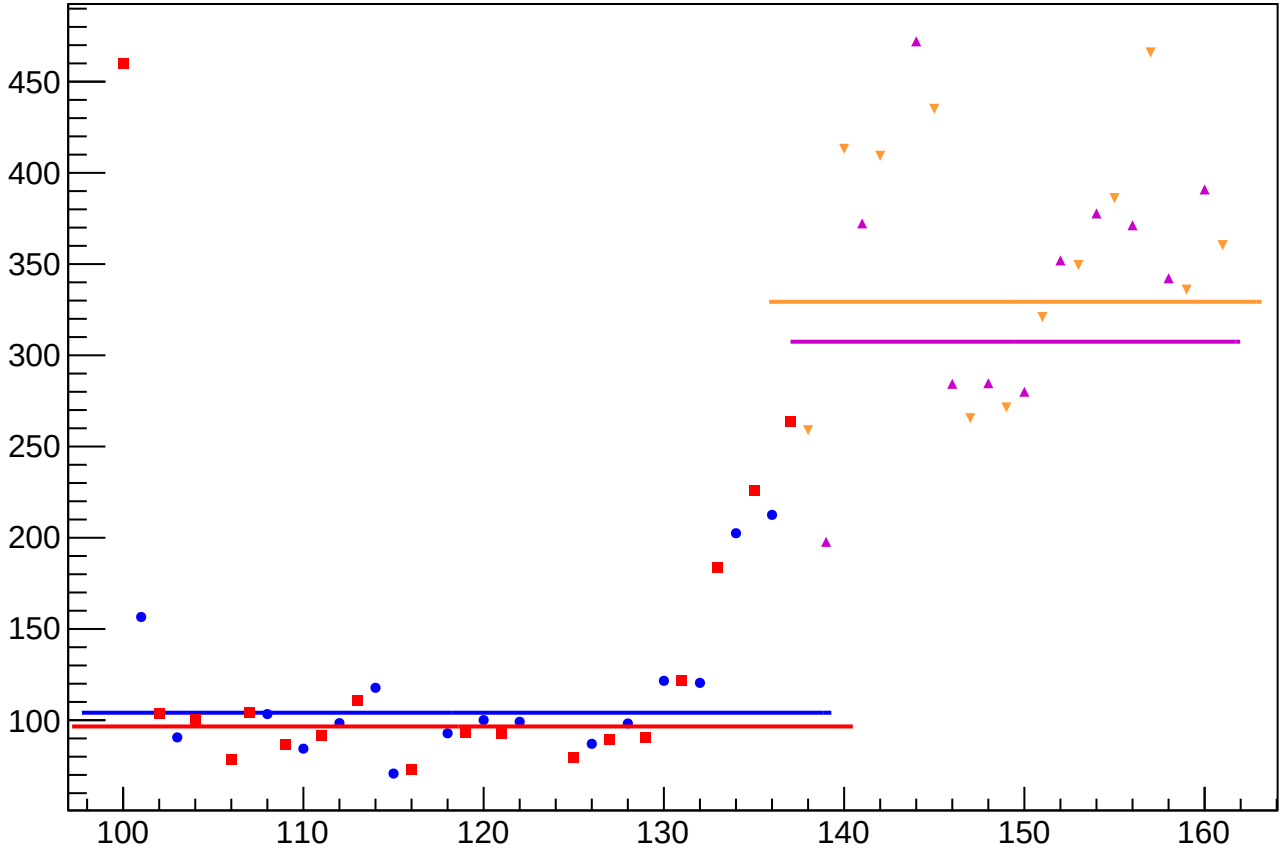
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.025+/-0.037 χ^2/NDF:43.5/29

All: 0.004+/-0.026 χ^2/NDF: 68.3/56

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: 329.329+/-0.077 χ^2/NDF:668197.8/11

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

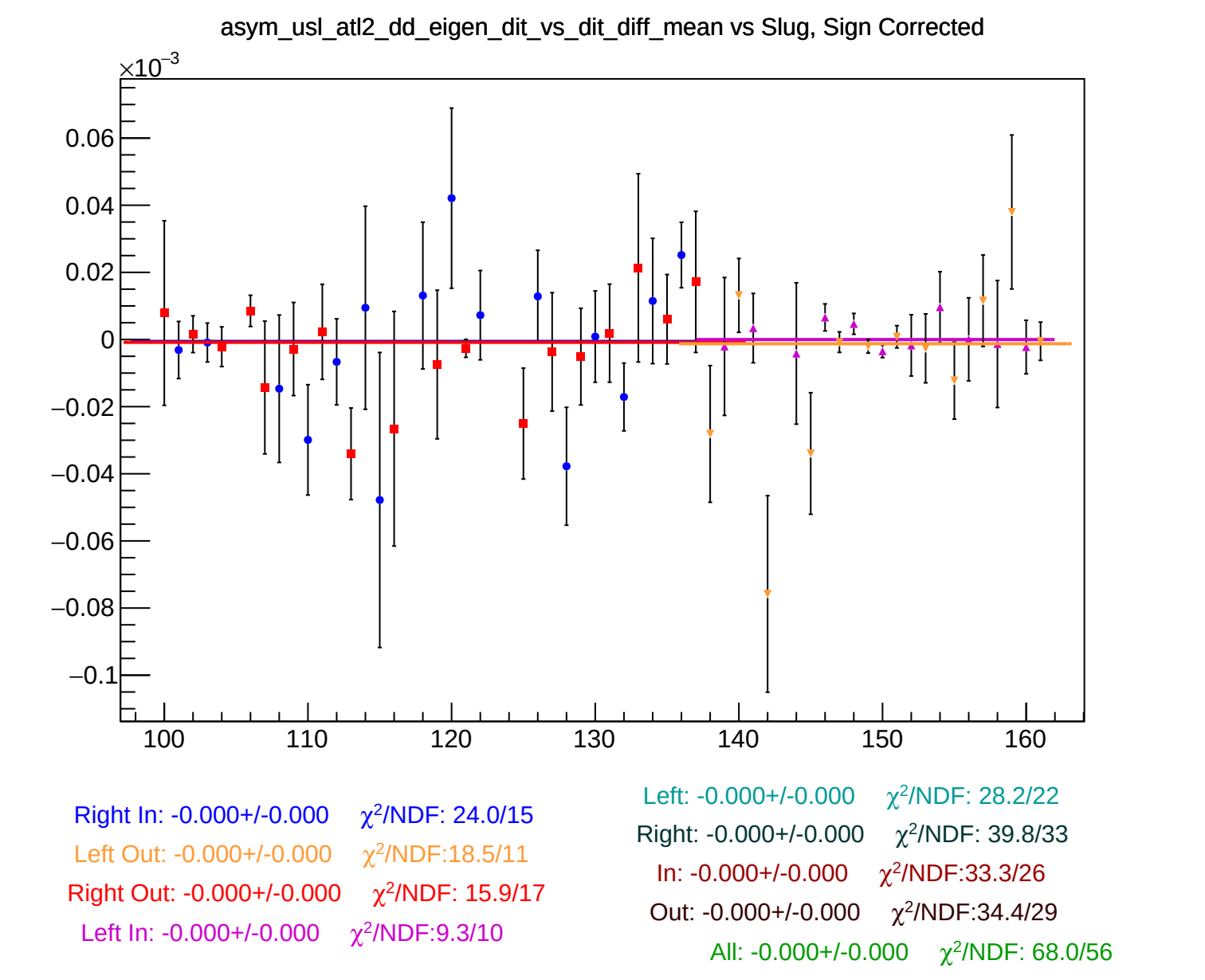
Left: 317.761+/-0.053 χ^2/NDF: 1711786.0/22

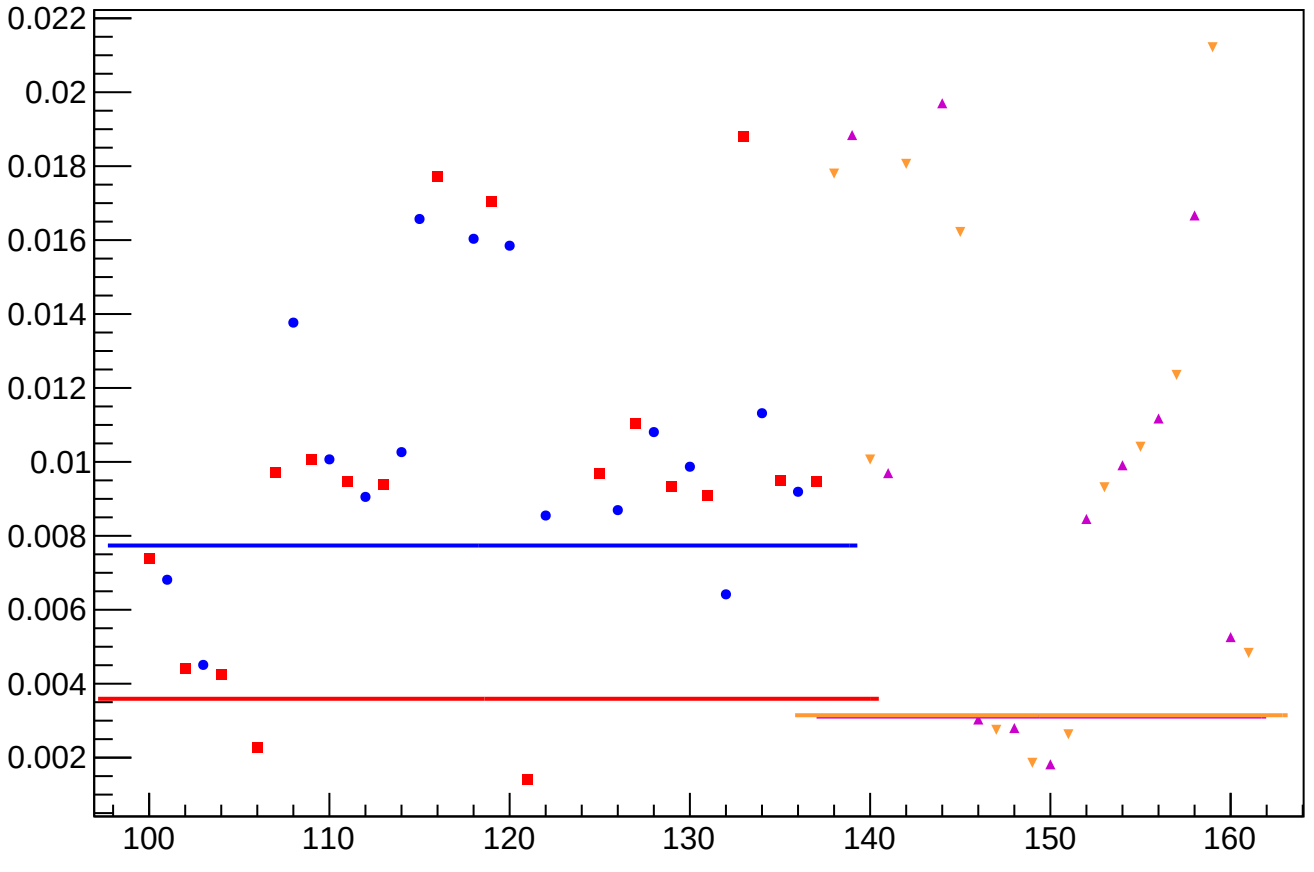
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 131.810+/-0.027 χ^2/NDF:8685831.5/26

Out: 122.659+/-0.026 χ^2/NDF:9650177.9/29

All: 127.054+/-0.019 χ^2/NDF: 18395861.9/56


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/10
Left: -0.000+/-0.000 χ²/NDF: 28.2/22
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:33.3/26
Out: -0.000+/-0.000 χ²/NDF:34.4/29
All: -0.000+/-0.000 χ²/NDF: 68.0/56



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:8122958.0/11

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:7681712.3/10

Left: 0.003+/-0.000 χ^2/NDF: 15805337.7/22

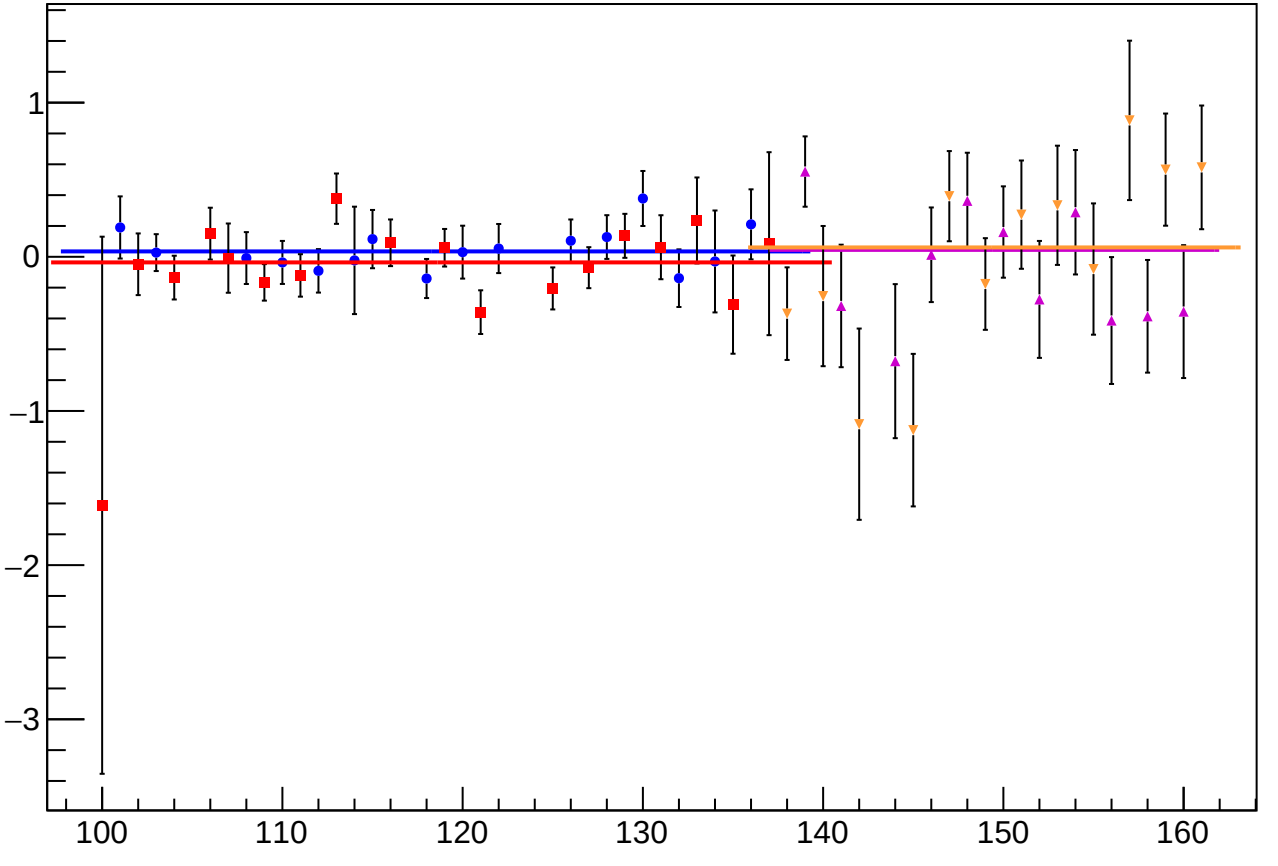
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:13043800.5/26

Out: 0.003+/-0.000 χ^2/NDF:14561970.3/29

All: 0.004+/-0.000 χ^2/NDF: 27851516.4/56

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.061+/-0.109 χ^2/NDF:20.7/11

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.045+/-0.103 χ^2/NDF:13.7/10

Left: 0.052+/-0.075 χ^2/NDF: 34.4/22

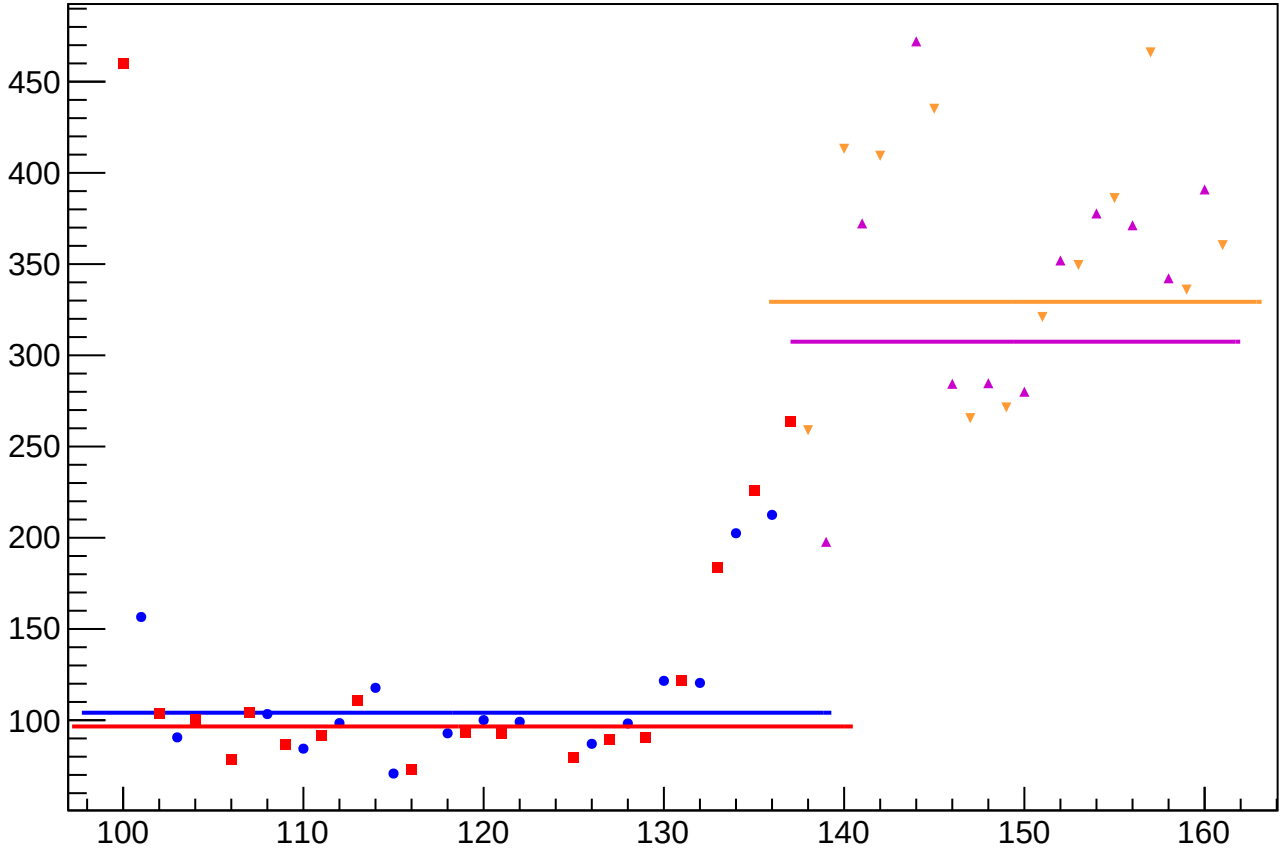
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.025+/-0.037 χ^2/NDF:43.5/29

All: 0.004+/-0.026 χ^2/NDF: 68.3/56

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: 329.331+/-0.077 χ^2/NDF:668251.2/11

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 307.466+/-0.073 χ^2/NDF:1001366.8/10

Left: 317.764+/-0.053 χ^2/NDF: 1711819.0/22

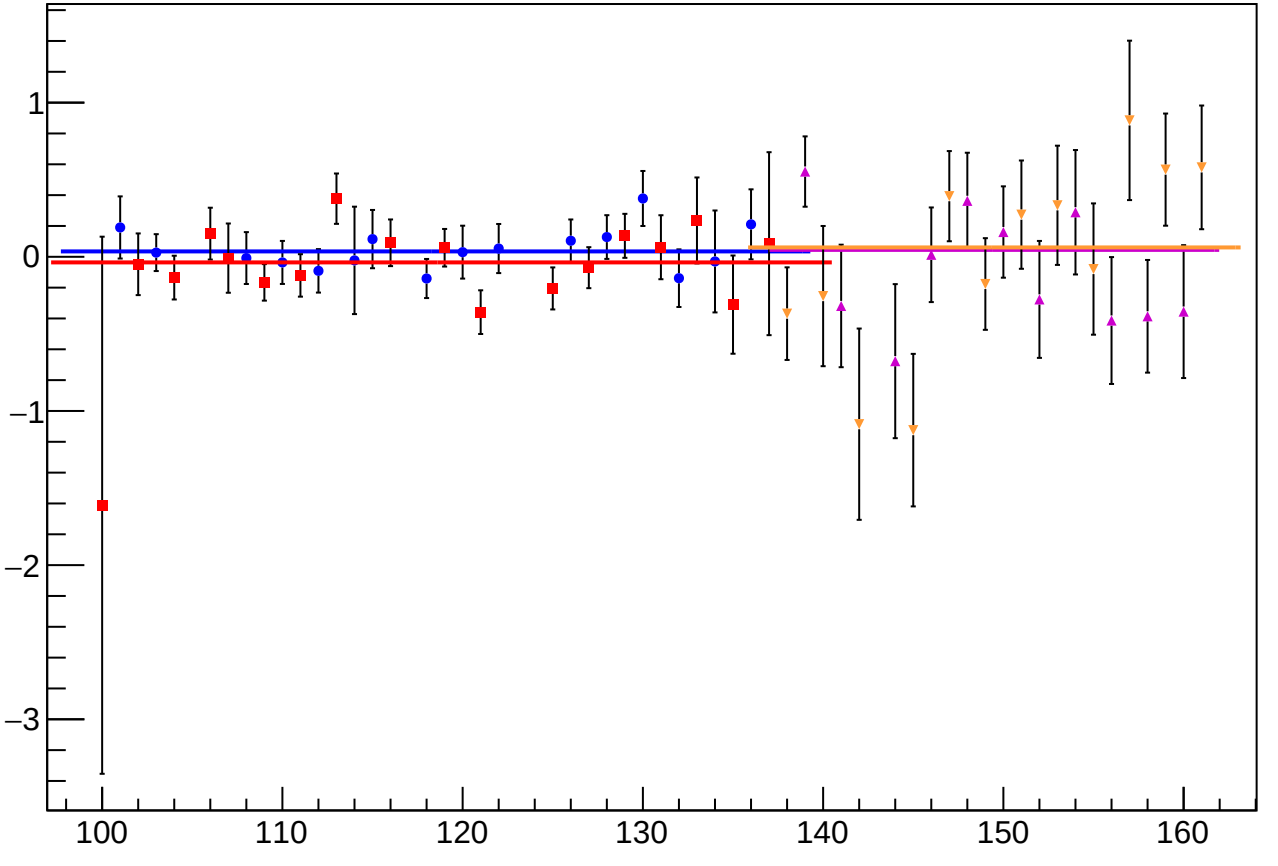
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 131.810+/-0.027 χ^2/NDF:8685829.5/26

Out: 122.661+/-0.026 χ^2/NDF:9650111.8/29

All: 127.055+/-0.019 χ^2/NDF: 18395786.6/56

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.061+/-0.109 χ^2/NDF:20.7/11

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.045+/-0.103 χ^2/NDF:13.7/10

Left: 0.052+/-0.075 χ^2/NDF: 34.4/22

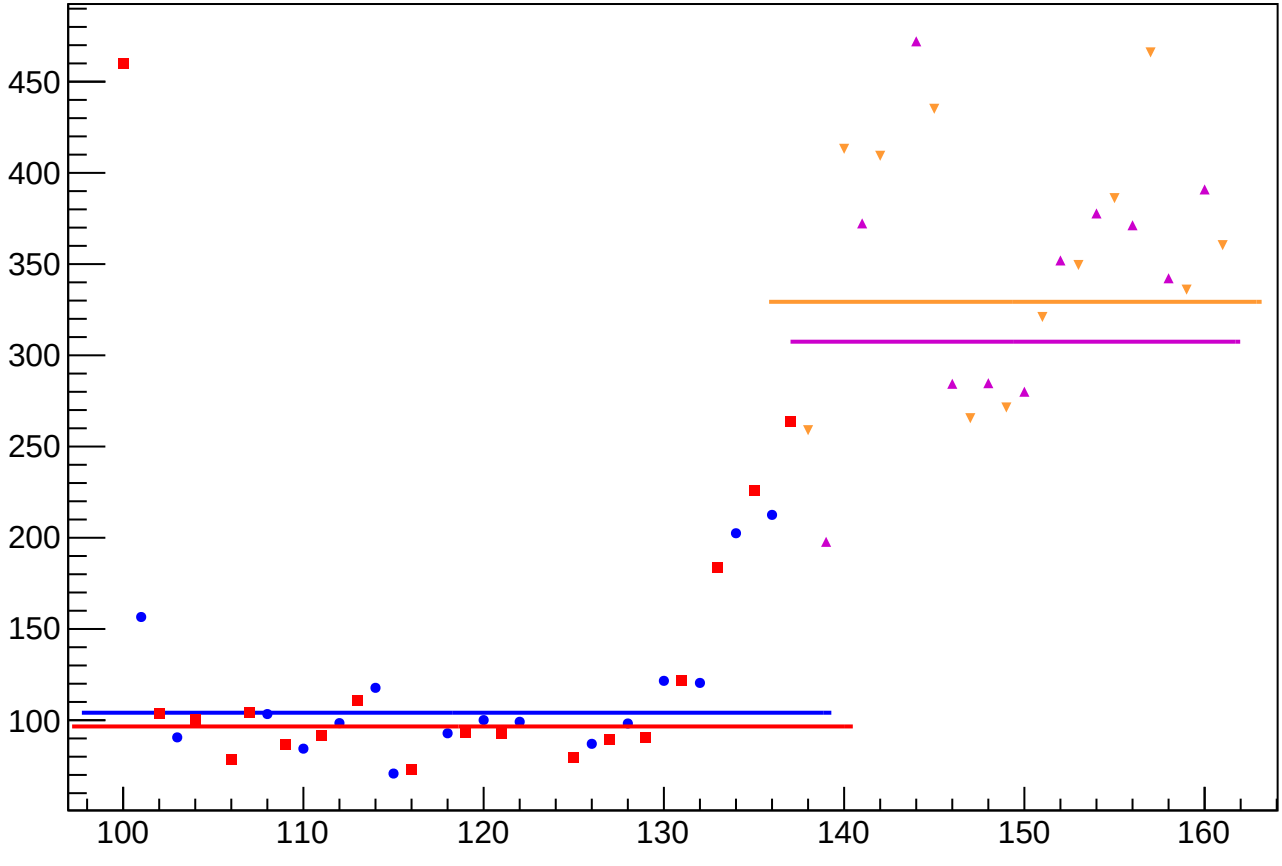
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.036+/-0.038 χ^2/NDF:23.4/26

Out: -0.025+/-0.037 χ^2/NDF:43.5/29

All: 0.004+/-0.026 χ^2/NDF: 68.3/56

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: 329.331+/-0.077 χ^2/NDF:668251.2/11

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 307.466+/-0.073 χ^2/NDF:1001366.8/10

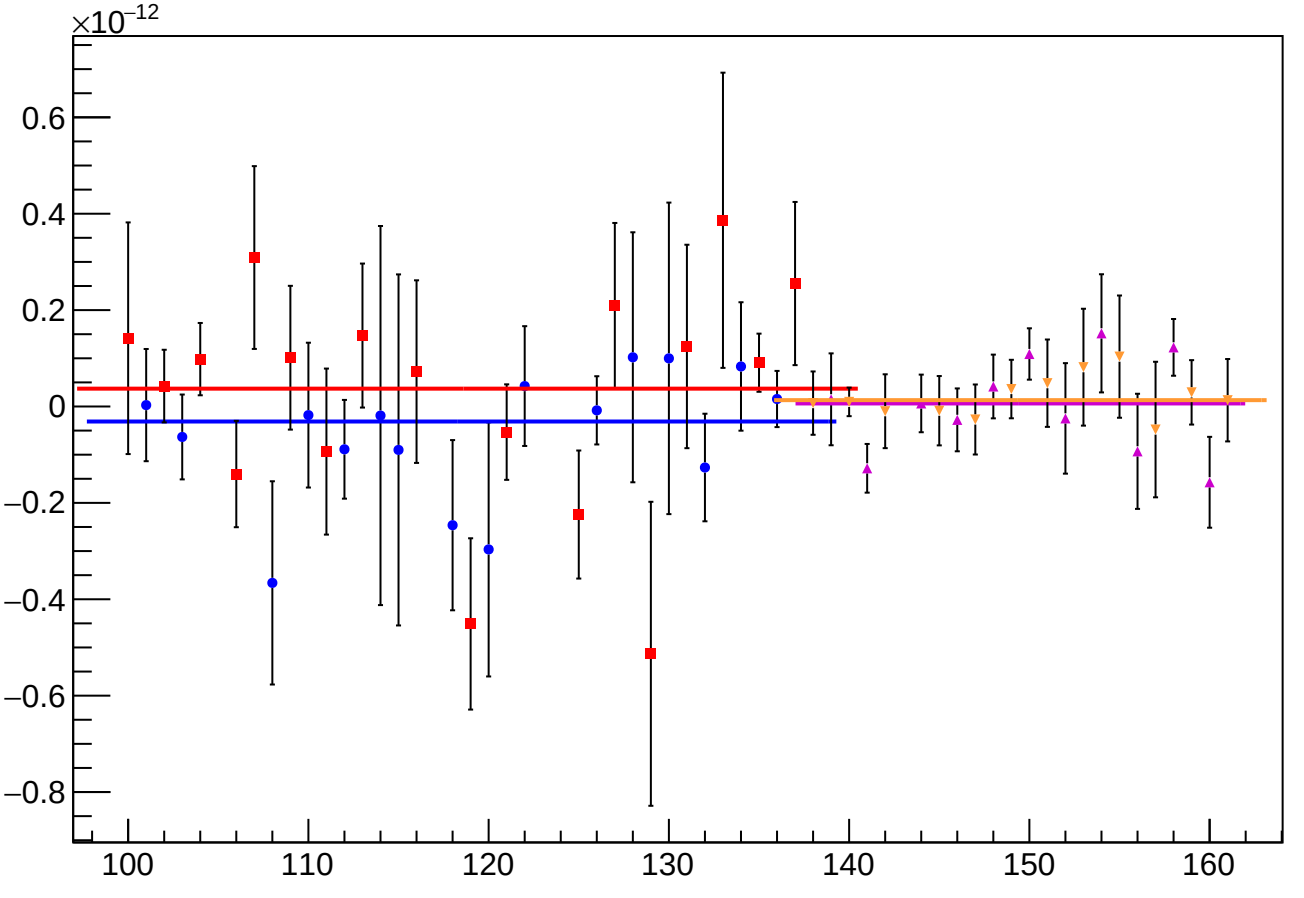
Left: 317.764+/-0.053 χ^2/NDF: 1711819.0/22

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 131.810+/-0.027 χ^2/NDF:8685829.5/26

Out: 122.661+/-0.026 χ^2/NDF:9650111.8/29

All: 127.055+/-0.019 χ^2/NDF: 18395786.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:20.5/10

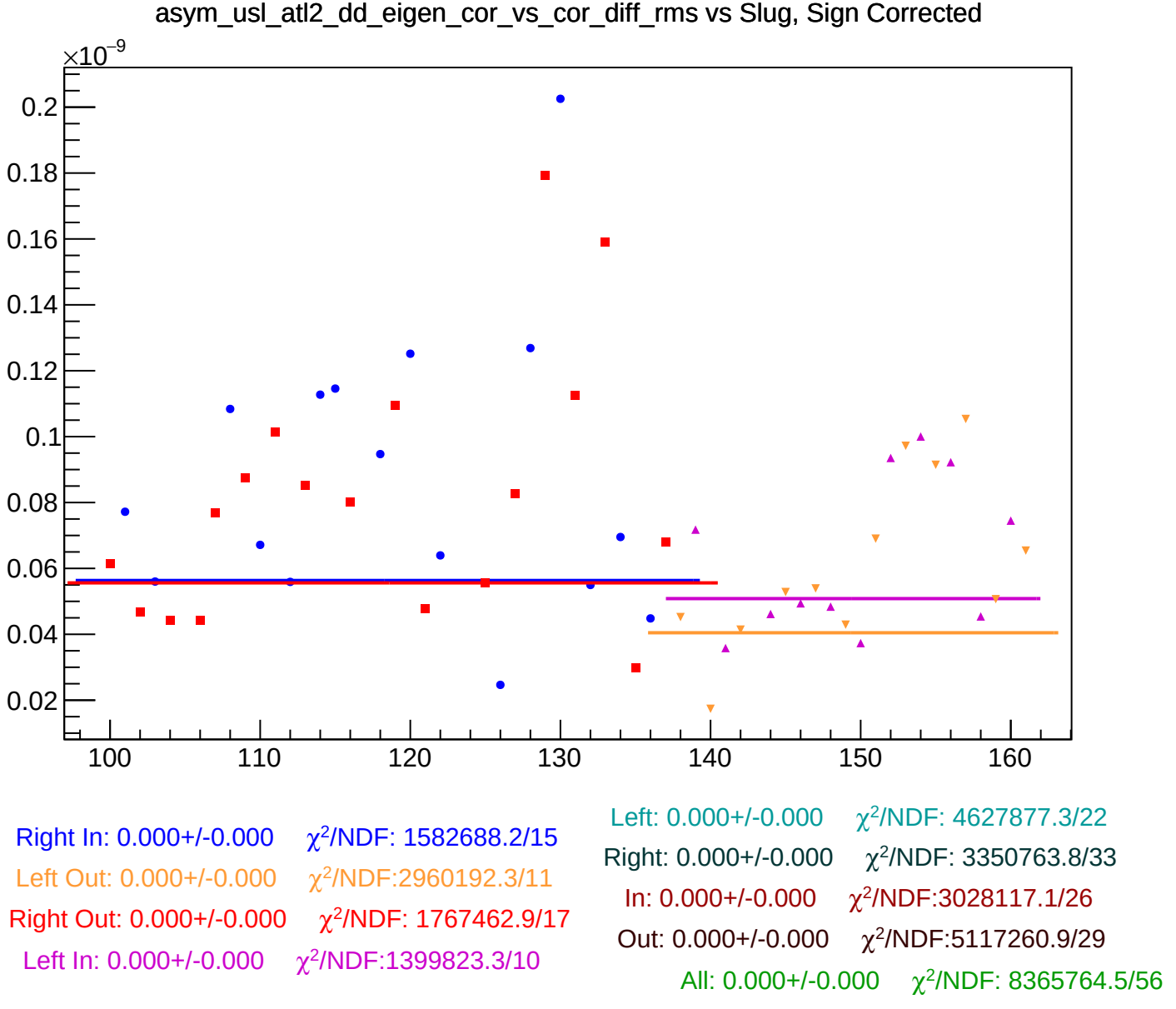
Left: 0.000+/-0.000 χ^2/NDF: 22.4/22

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

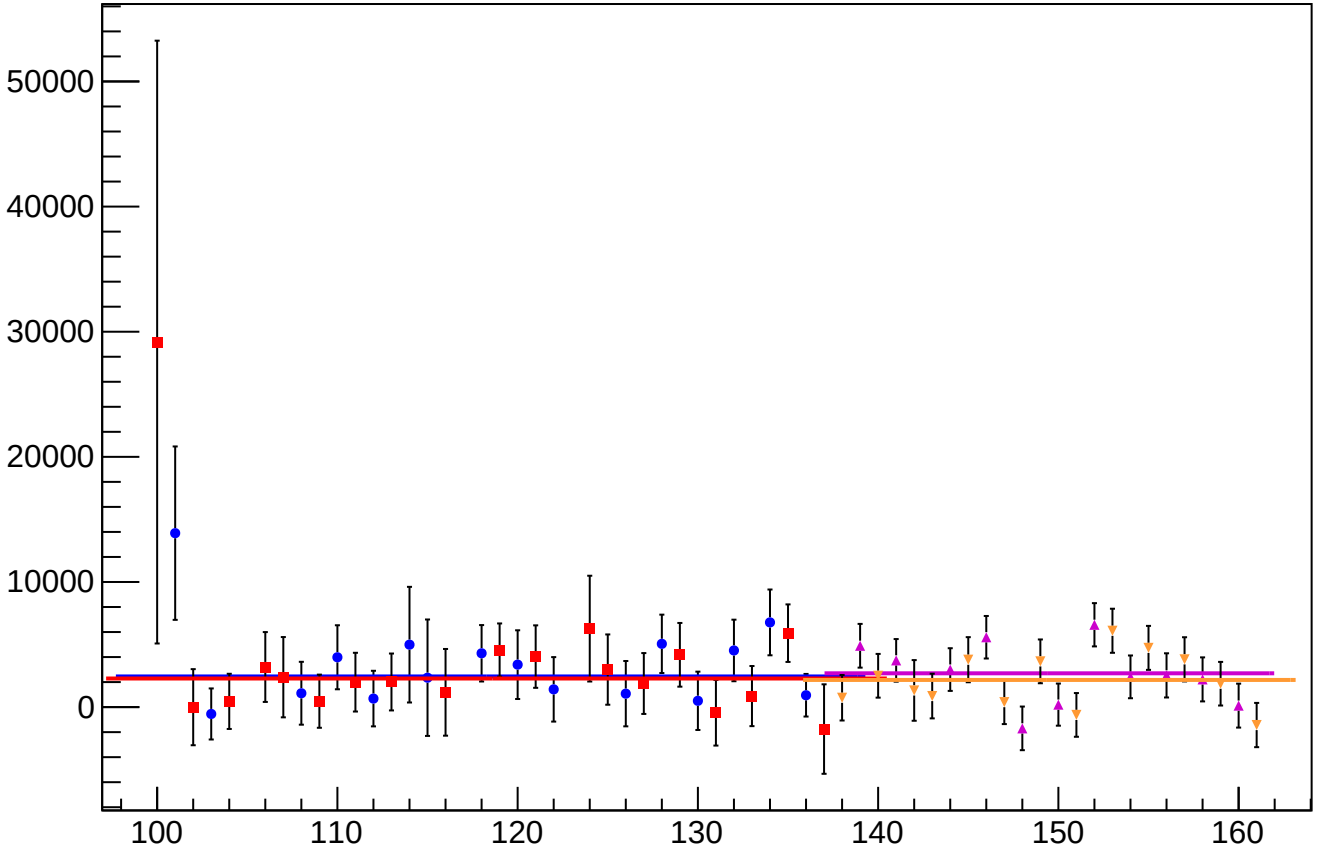
In: -0.000+/-0.000 χ^2/NDF:30.1/26

Out: 0.000+/-0.000 χ^2/NDF:29.4/29

All: 0.000+/-0.000 χ^2/NDF: 60.8/56


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
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2960192.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1399823.3/10
Left: 0.000+/-0.000 χ²/NDF: 4627877.3/22
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3028117.1/26
Out: 0.000+/-0.000 χ²/NDF:5117260.9/29
All: 0.000+/-0.000 χ²/NDF: 8365764.5/56

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.136+/-499.011 χ^2/NDF:18.5/12

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2701.842+/-520.593 χ^2/NDF:20.8/10

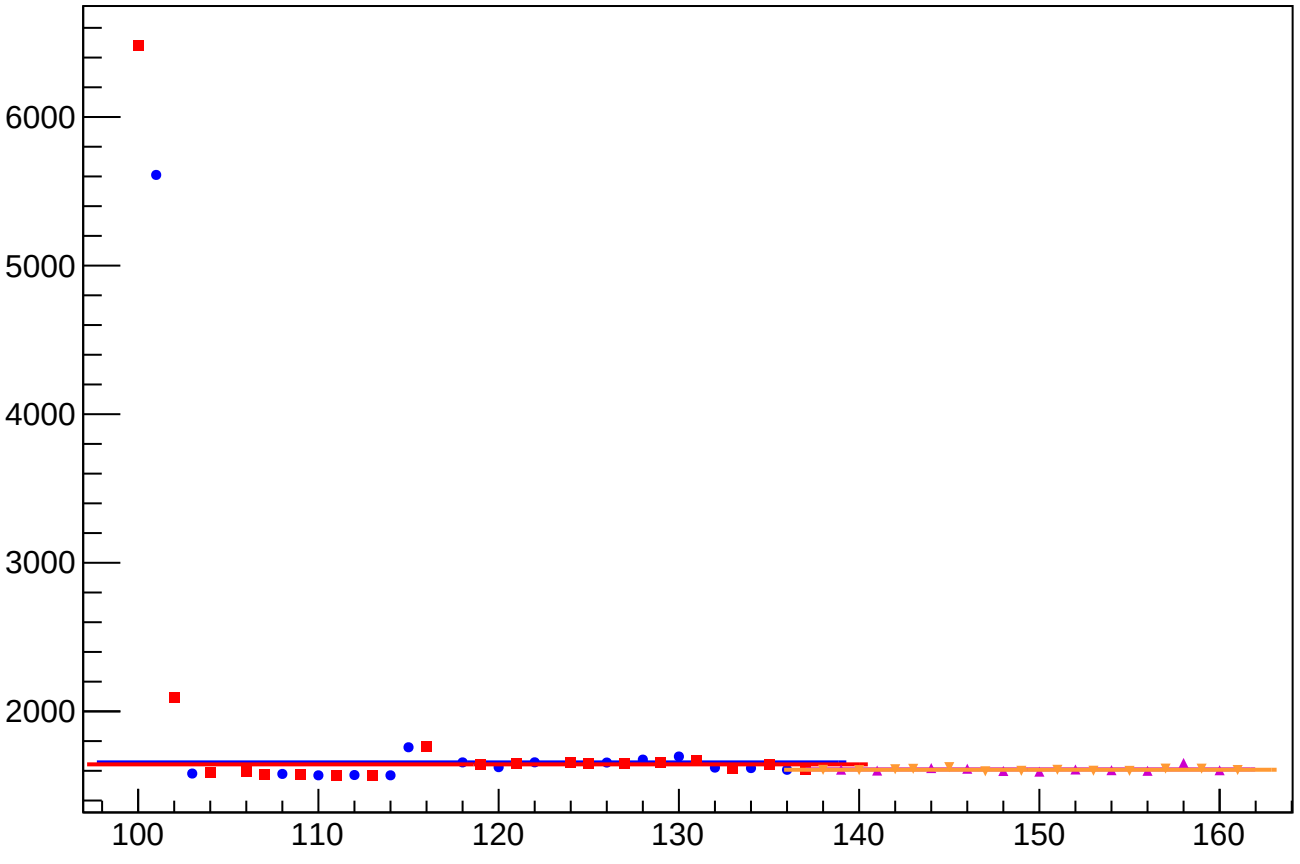
Left: 2425.260+/-360.242 χ^2/NDF: 39.8/23

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2599.681+/-401.368 χ^2/NDF:34.7/26

Out: 2217.493+/-386.024 χ^2/NDF:30.4/31

All: 2401.142+/-278.227 χ^2/NDF: 65.6/58



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

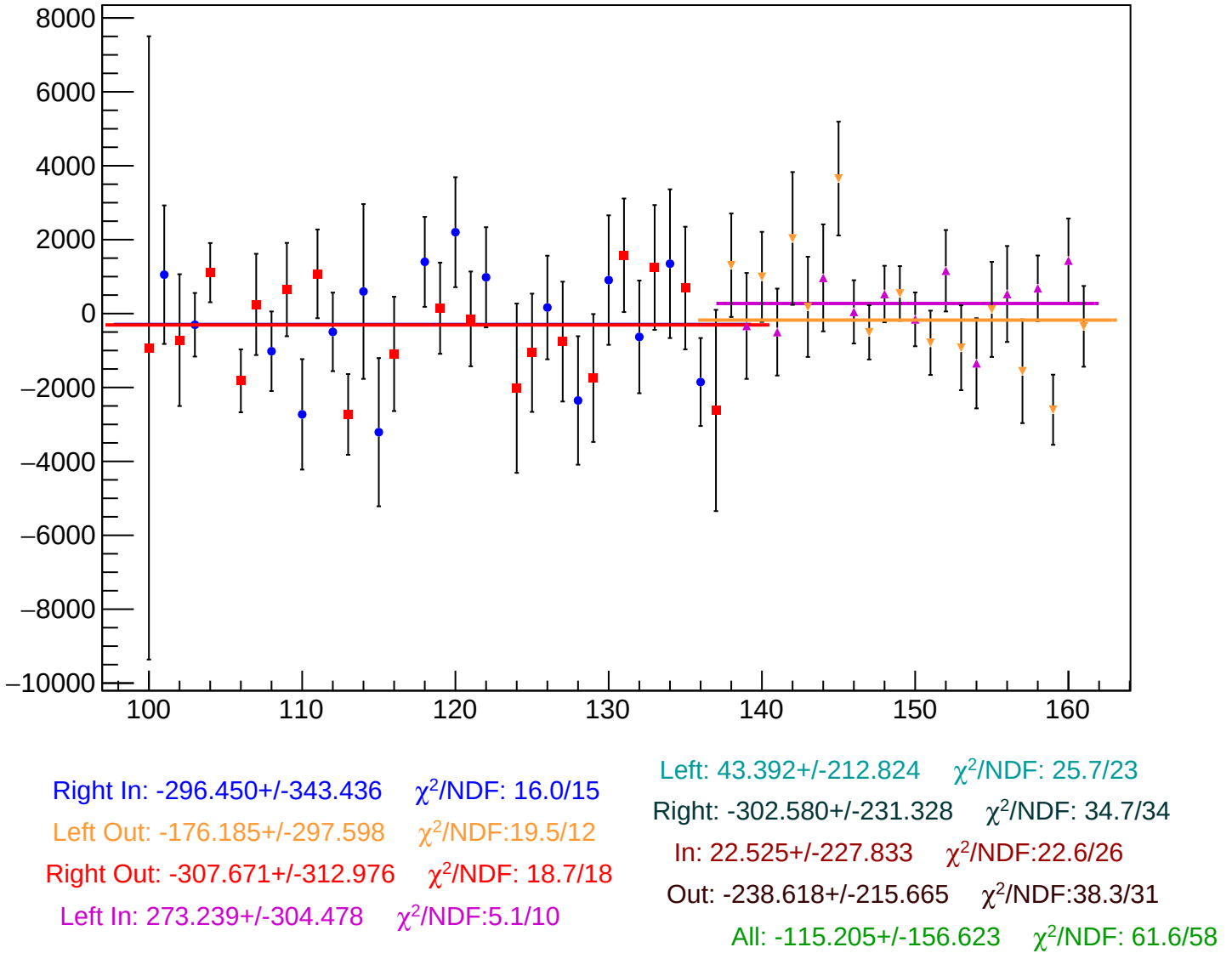
Left: 1608.310+/-0.255 χ^2/NDF: 2136.6/23

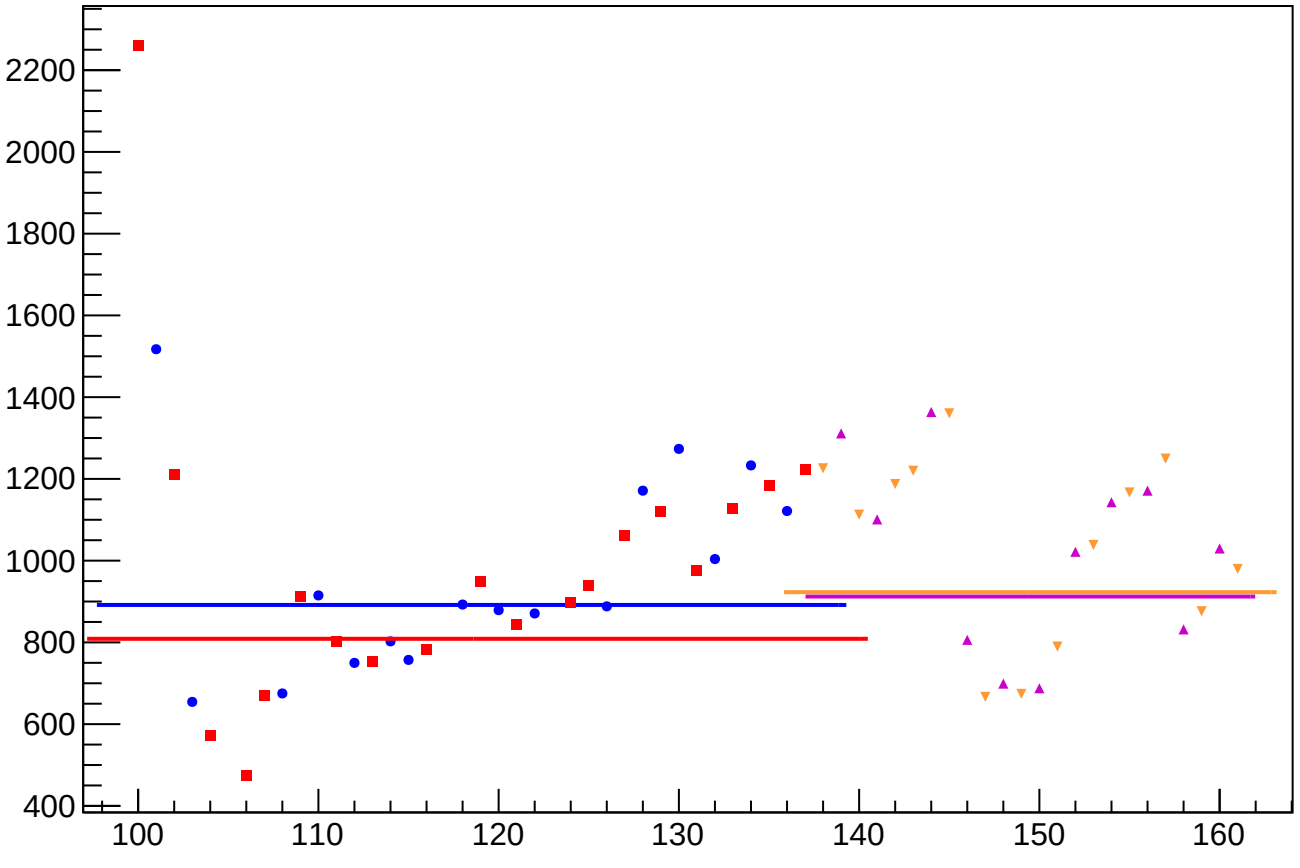
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1628.667+/-0.284 χ^2/NDF:674522.8/26

Out: 1621.731+/-0.273 χ^2/NDF:141705.7/31

All: 1625.064+/-0.197 χ^2/NDF: 816538.8/58


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -176.185+/-297.598 χ²/NDF:19.5/12
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 273.239+/-304.478 χ²/NDF:5.1/10
Left: 43.392+/-212.824 χ²/NDF: 25.7/23
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: 22.525+/-227.833 χ²/NDF:22.6/26
Out: -238.618+/-215.665 χ²/NDF:38.3/31
All: -115.205+/-156.623 χ²/NDF: 61.6/58



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 922.895+/-0.210 χ^2/NDF:1172044.6/12

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 912.200+/-0.215 χ^2/NDF:986250.6/10

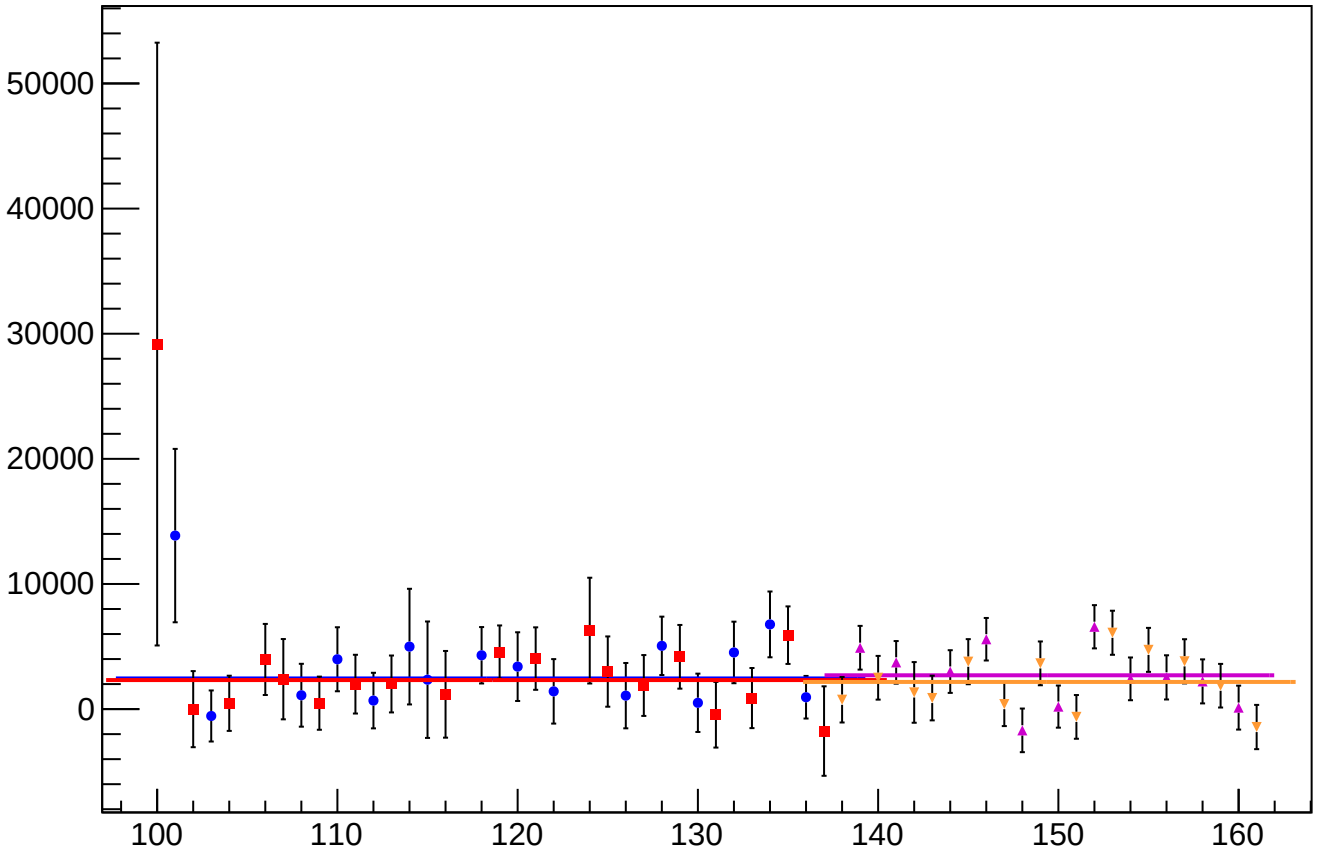
Left: 917.669+/-0.150 χ^2/NDF: 2159557.2/23

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 903.148+/-0.161 χ^2/NDF:1784163.6/26

Out: 868.724+/-0.152 χ^2/NDF:2395448.5/31

All: 884.992+/-0.111 χ^2/NDF: 4203694.3/58



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.122+/-499.011 χ^2/NDF:18.5/12

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2701.858+/-520.593 χ^2/NDF:20.8/10

Left: 2425.261+/-360.242 χ^2/NDF: 39.8/23

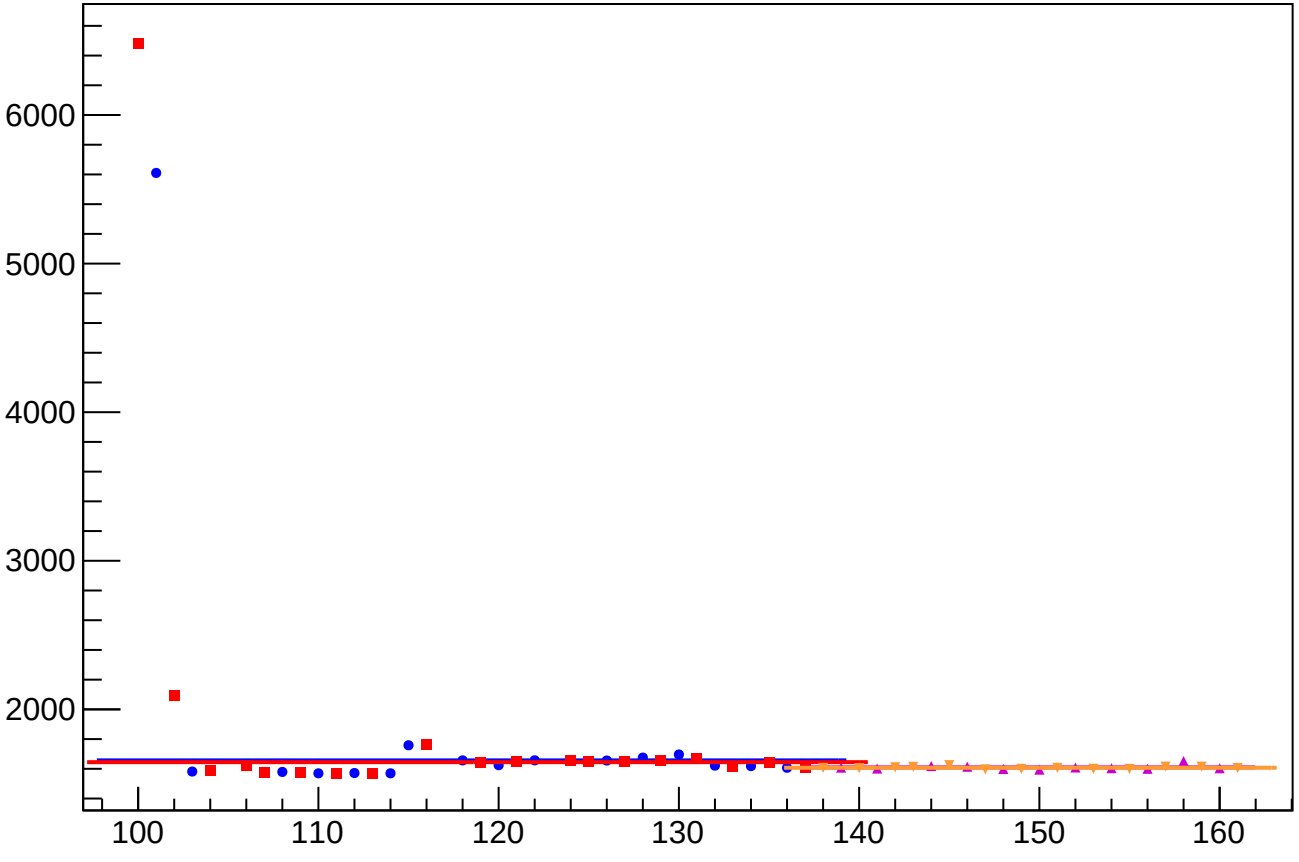
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2599.464+/-401.368 χ^2/NDF:34.7/26

Out: 2231.080+/-386.151 χ^2/NDF:30.7/31

All: 2408.156+/-278.274 χ^2/NDF: 65.8/58

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

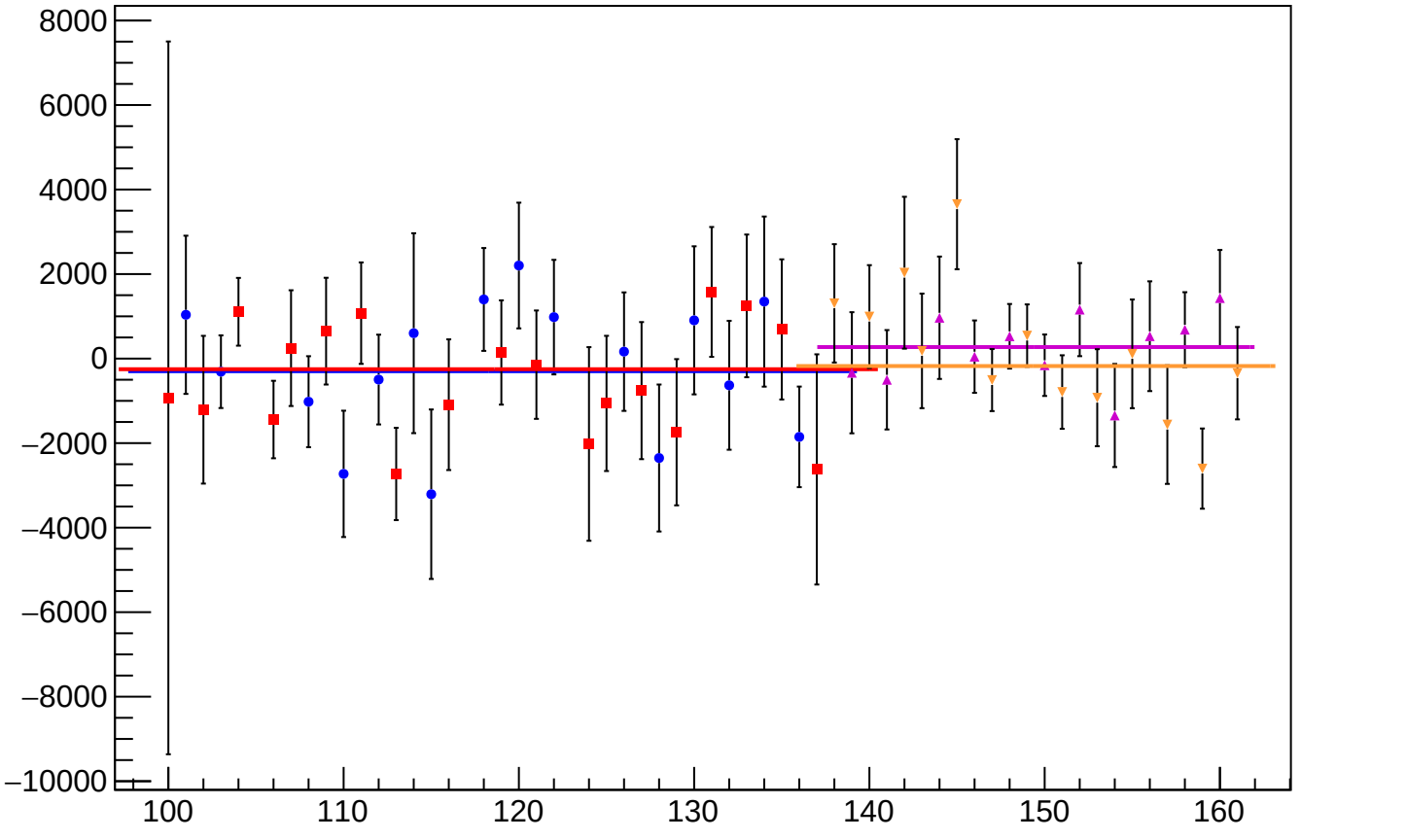
Left: 1608.310+/-0.255 χ^2/NDF: 2136.6/23

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1628.667+/-0.284 χ^2/NDF:674522.3/26

Out: 1622.239+/-0.273 χ^2/NDF:141496.7/31

All: 1625.329+/-0.197 χ^2/NDF: 816285.3/58



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -176.267+/-297.596 χ^2/NDF:19.5/12

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 273.251+/-304.479 χ^2/NDF:5.1/10

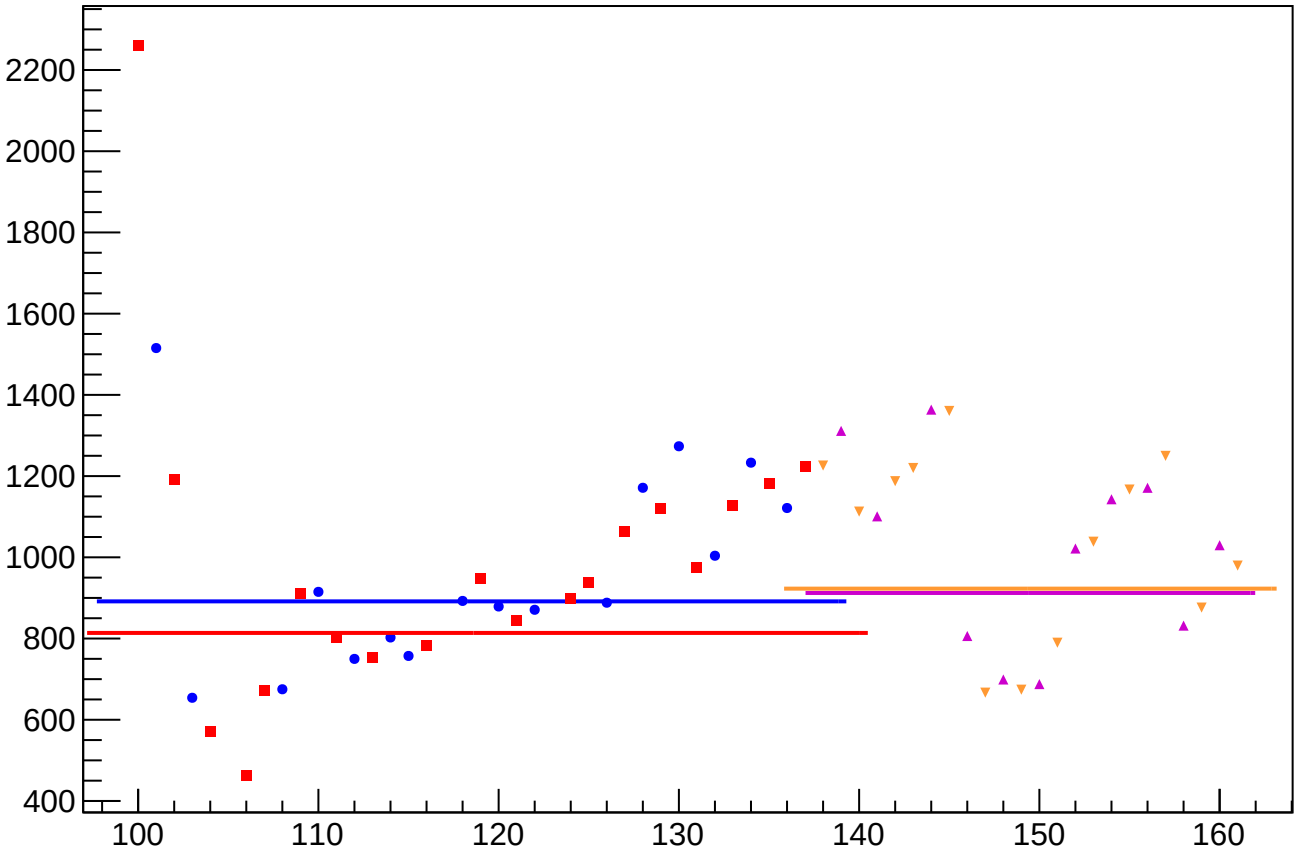
Left: 43.353+/-212.824 χ^2/NDF: 25.7/23

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 21.902+/-227.820 χ^2/NDF:22.6/26

Out: -211.532+/-216.565 χ^2/NDF:36.8/31

All: -100.723+/-156.963 χ^2/NDF: 59.9/58



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 922.885+/-0.210 χ^2/NDF:1172124.8/12

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

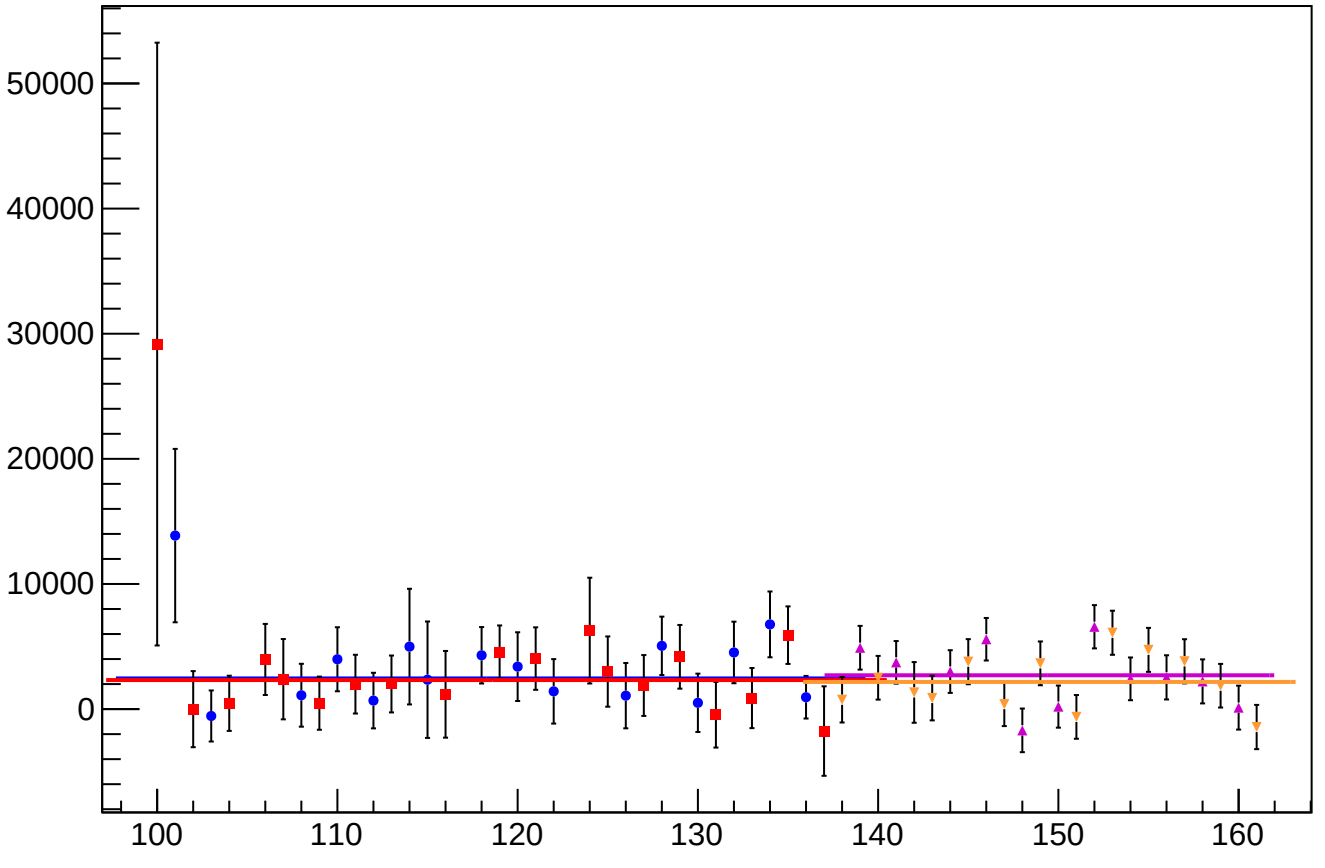
Left: 917.667+/-0.150 χ^2/NDF: 2159600.1/23

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 903.106+/-0.161 χ^2/NDF:1783931.8/26

Out: 871.572+/-0.153 χ^2/NDF:2351516.2/31

All: 886.541+/-0.111 χ^2/NDF: 4155577.3/58



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.122+/-499.011 χ^2/NDF:18.5/12

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2701.858+/-520.593 χ^2/NDF:20.8/10

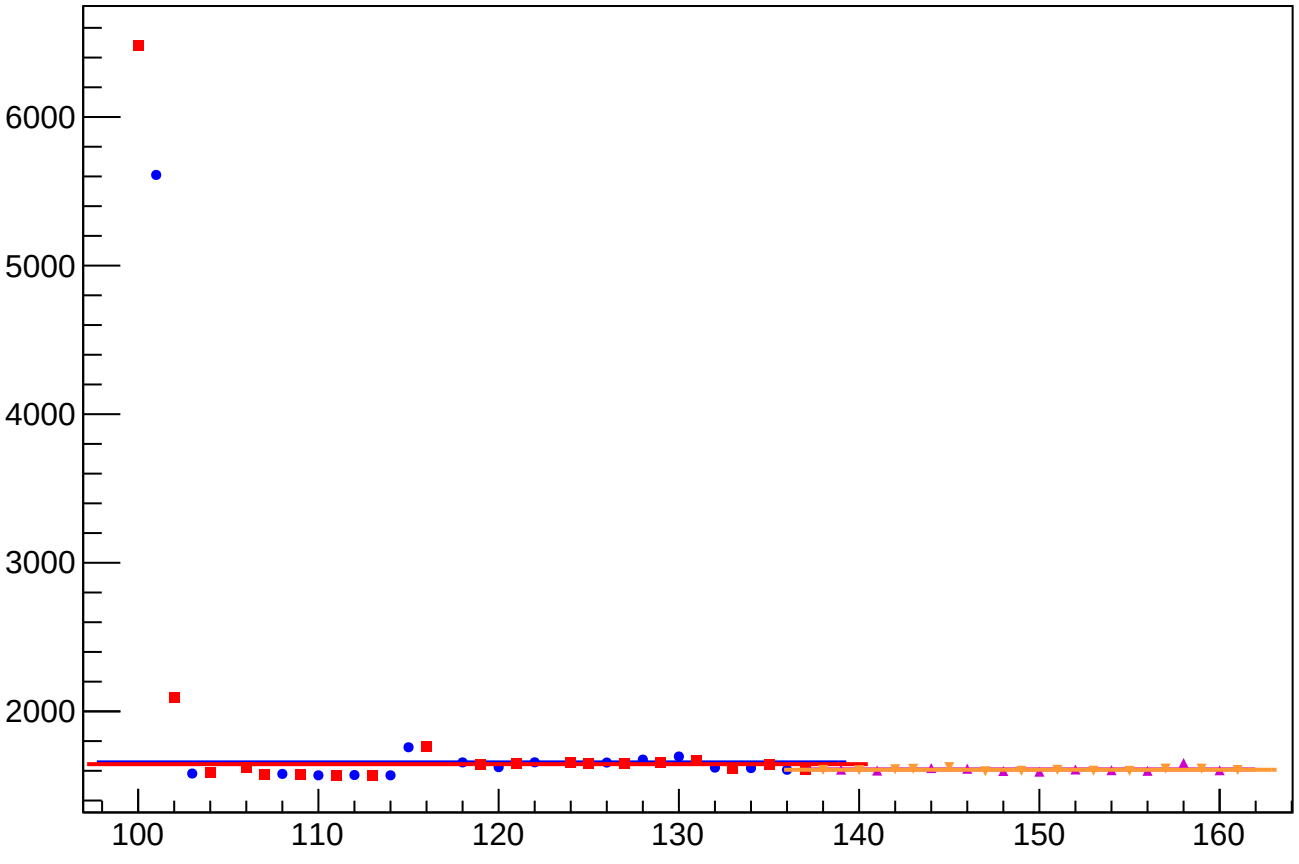
Left: 2425.261+/-360.242 χ^2/NDF: 39.8/23

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2599.464+/-401.368 χ^2/NDF:34.7/26

Out: 2231.080+/-386.151 χ^2/NDF:30.7/31

All: 2408.156+/-278.274 χ^2/NDF: 65.8/58



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

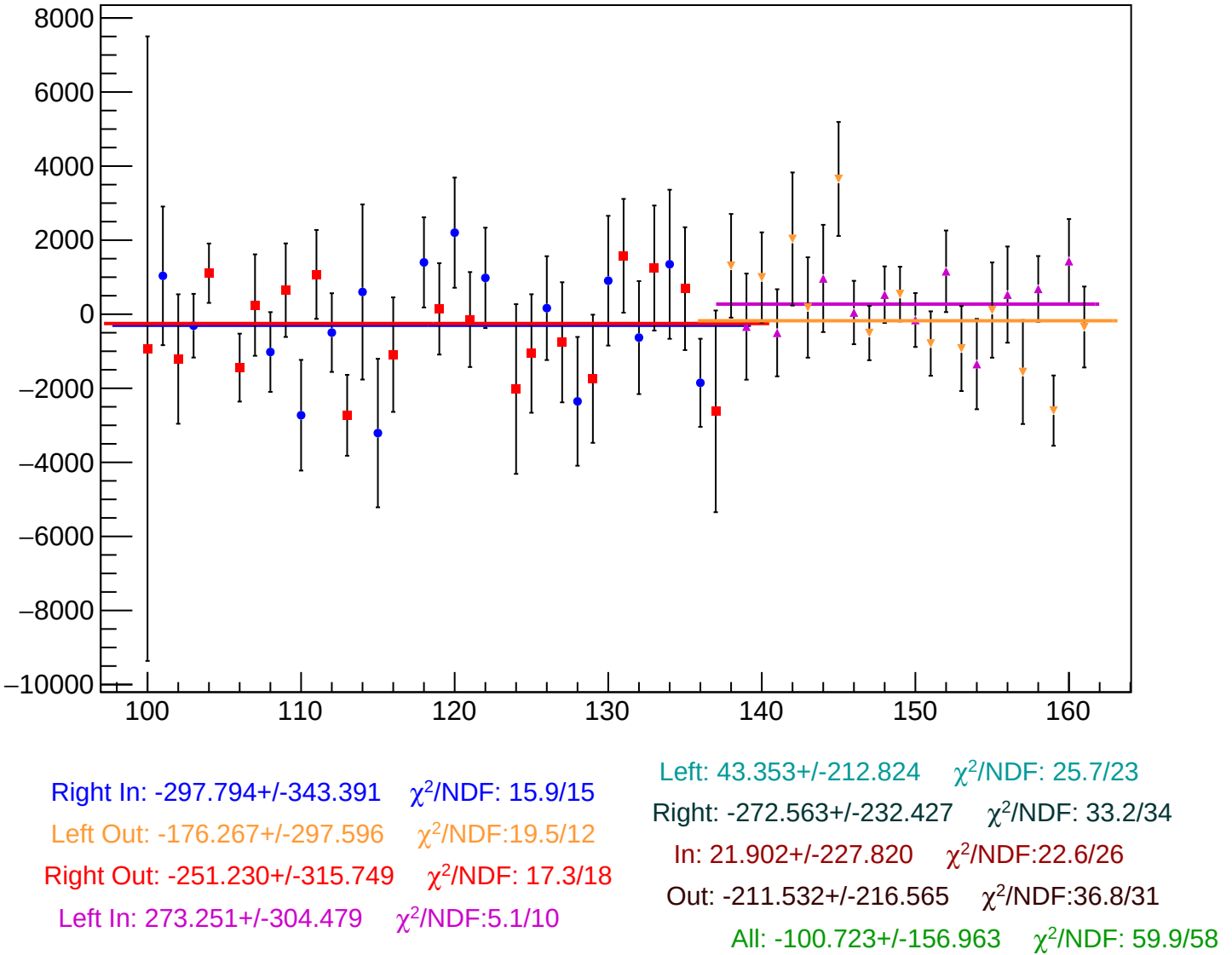
Left: 1608.310+/-0.255 χ^2/NDF: 2136.6/23

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

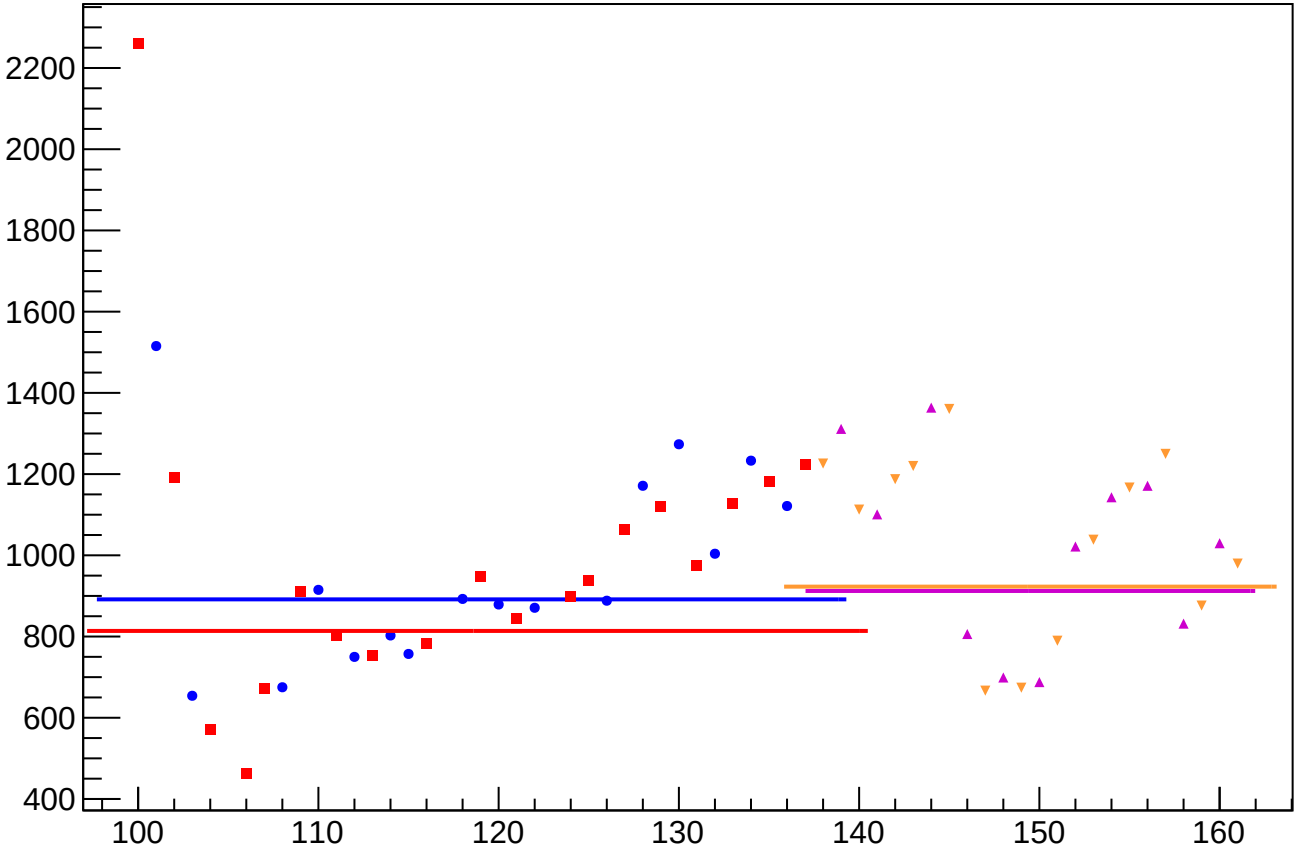
In: 1628.667+/-0.284 χ^2/NDF:674522.3/26

Out: 1622.239+/-0.273 χ^2/NDF:141496.7/31

All: 1625.329+/-0.197 χ^2/NDF: 816285.3/58


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -176.267+/-297.596 χ²/NDF:19.5/12
Right Out: -251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 273.251+/-304.479 χ²/NDF:5.1/10
Left: 43.353+/-212.824 χ²/NDF: 25.7/23
Right: -272.563+/-232.427 χ²/NDF: 33.2/34
In: 21.902+/-227.820 χ²/NDF:22.6/26
Out: -211.532+/-216.565 χ²/NDF:36.8/31
All: -100.723+/-156.963 χ²/NDF: 59.9/58

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: 922.885+/-0.210 χ^2/NDF:1172124.8/12

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

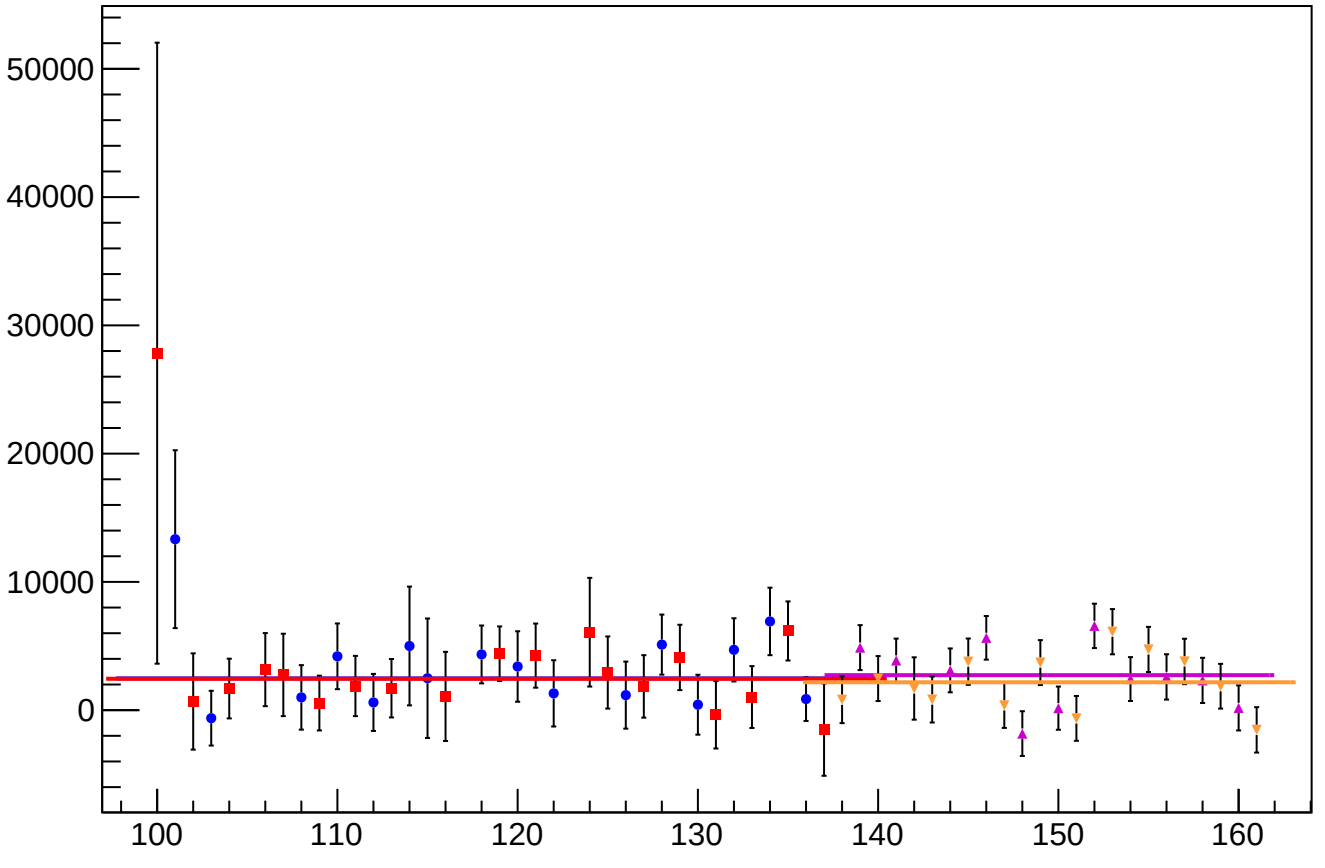
Left: 917.667+/-0.150 χ^2/NDF: 2159600.1/23

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 903.106+/-0.161 χ^2/NDF:1783931.8/26

Out: 871.572+/-0.153 χ^2/NDF:2351516.2/31

All: 886.541+/-0.111 χ^2/NDF: 4155577.3/58



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2174.916+/-499.800 χ^2/NDF:18.8/12

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2729.069+/-521.248 χ^2/NDF:21.2/10

Left: 2440.357+/-360.756 χ^2/NDF: 40.6/23

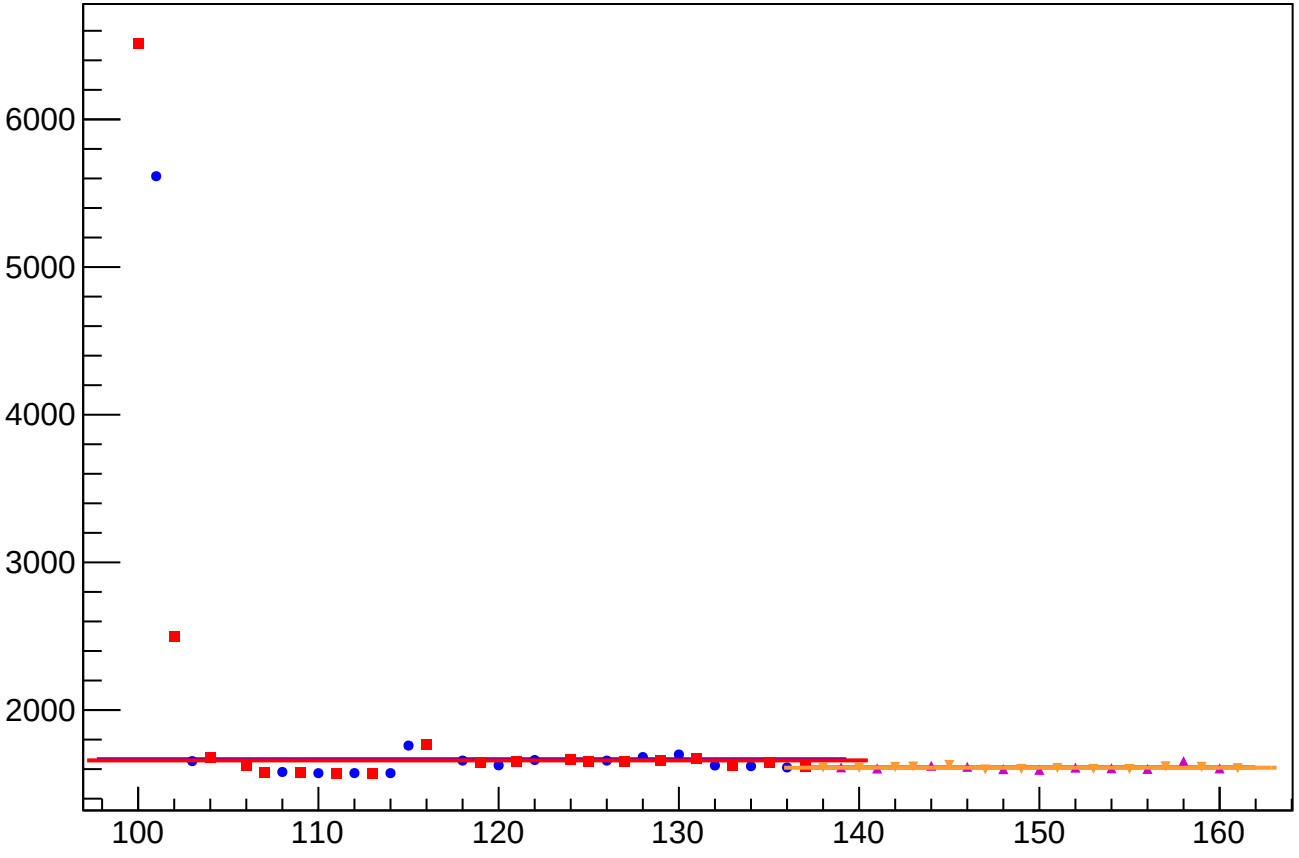
Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2626.664+/-402.604 χ^2/NDF:35.5/26

Out: 2283.416+/-388.500 χ^2/NDF:29.5/31

All: 2448.923+/-279.564 χ^2/NDF: 65.4/58

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.702+/-0.353 χ^2/NDF:577.0/12

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

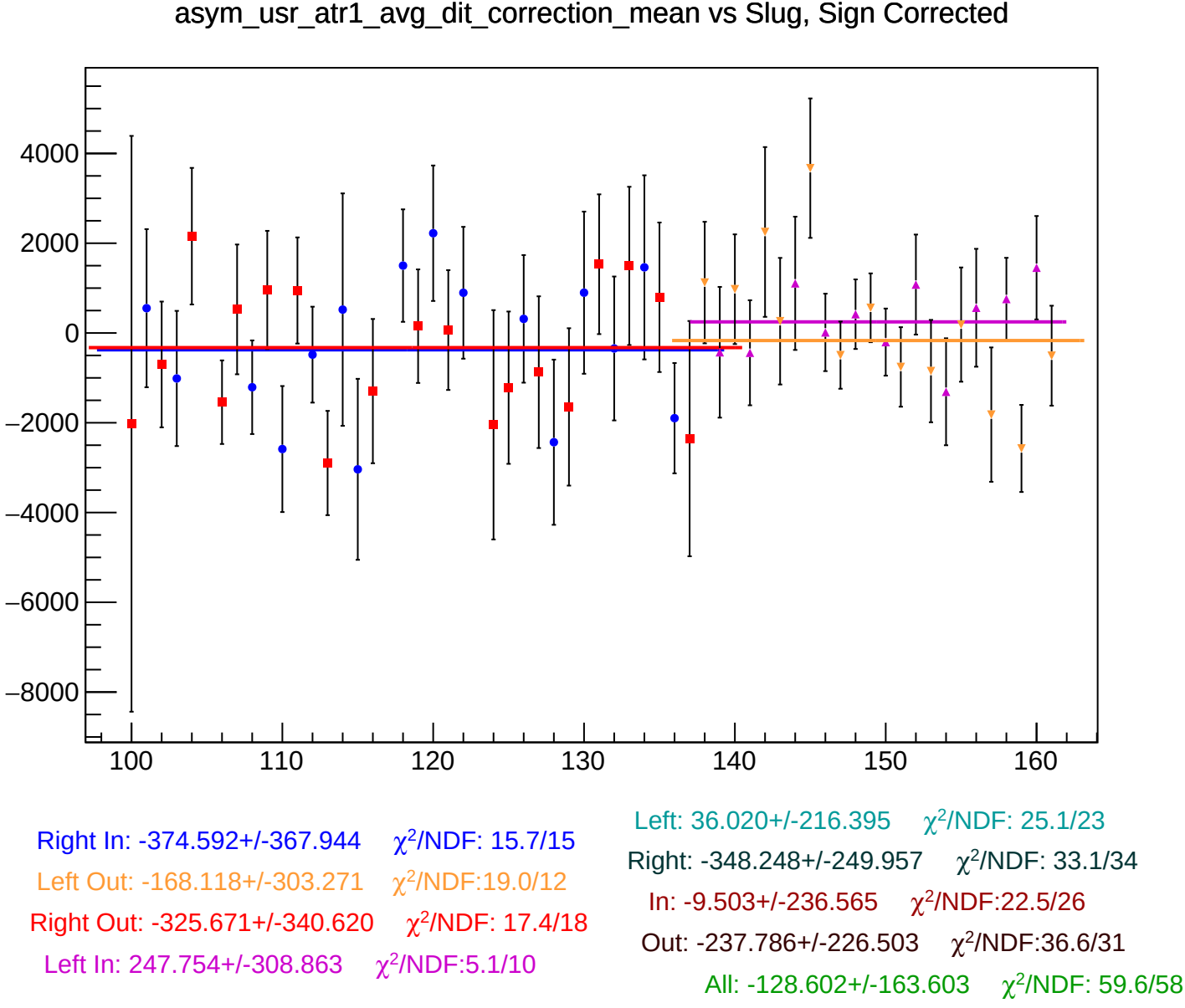
Left: 1610.592+/-0.255 χ^2/NDF: 2287.0/23

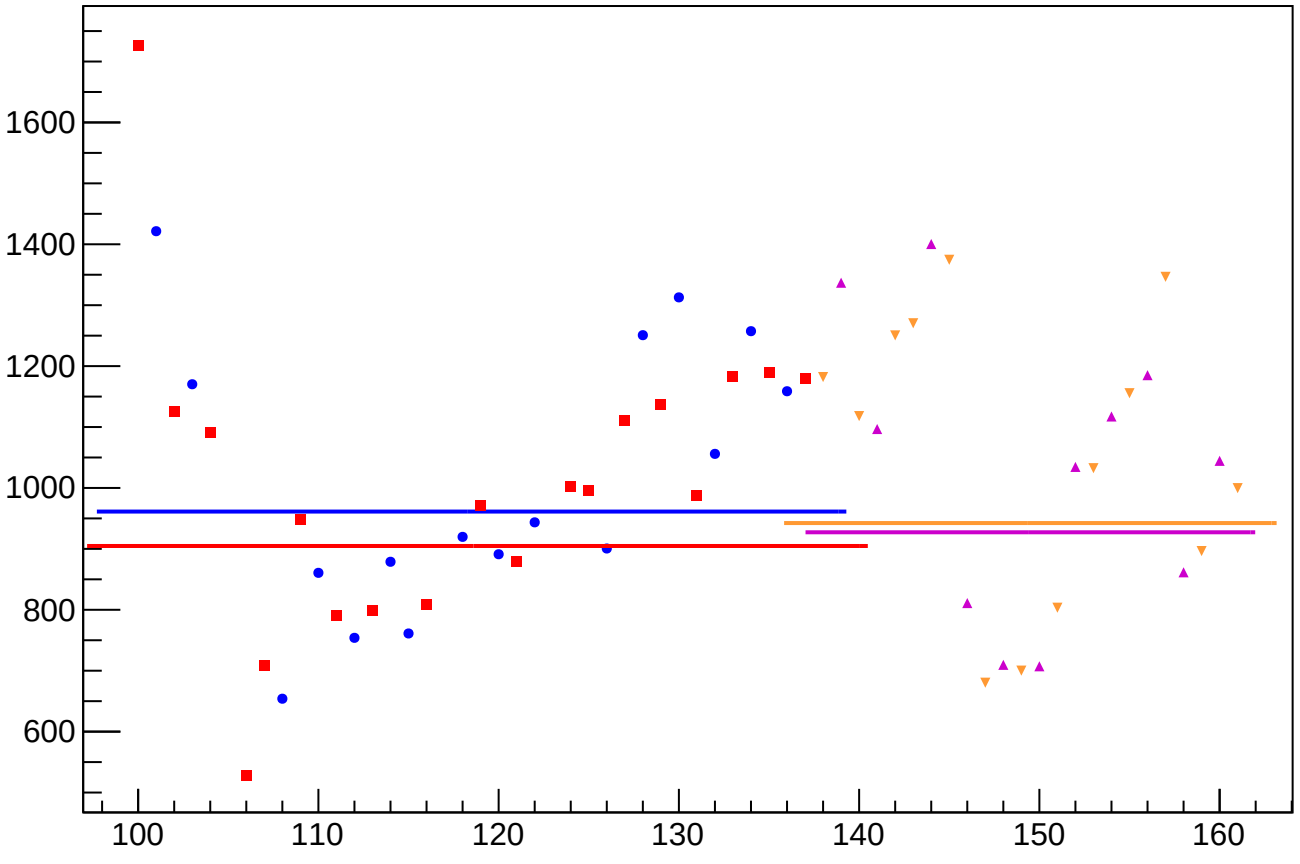
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1633.684+/-0.285 χ^2/NDF:673541.8/26

Out: 1629.215+/-0.275 χ^2/NDF:201503.4/31

All: 1631.370+/-0.198 χ^2/NDF: 875172.8/58


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -168.118+/-303.271 χ²/NDF:19.0/12
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 247.754+/-308.863 χ²/NDF:5.1/10
Left: 36.020+/-216.395 χ²/NDF: 25.1/23
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -9.503+/-236.565 χ²/NDF:22.5/26
Out: -237.786+/-226.503 χ²/NDF:36.6/31
All: -128.602+/-163.603 χ²/NDF: 59.6/58



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 942.385+/-0.214 χ^2/NDF:1138224.1/12

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 927.224+/-0.218 χ^2/NDF:948040.2/10

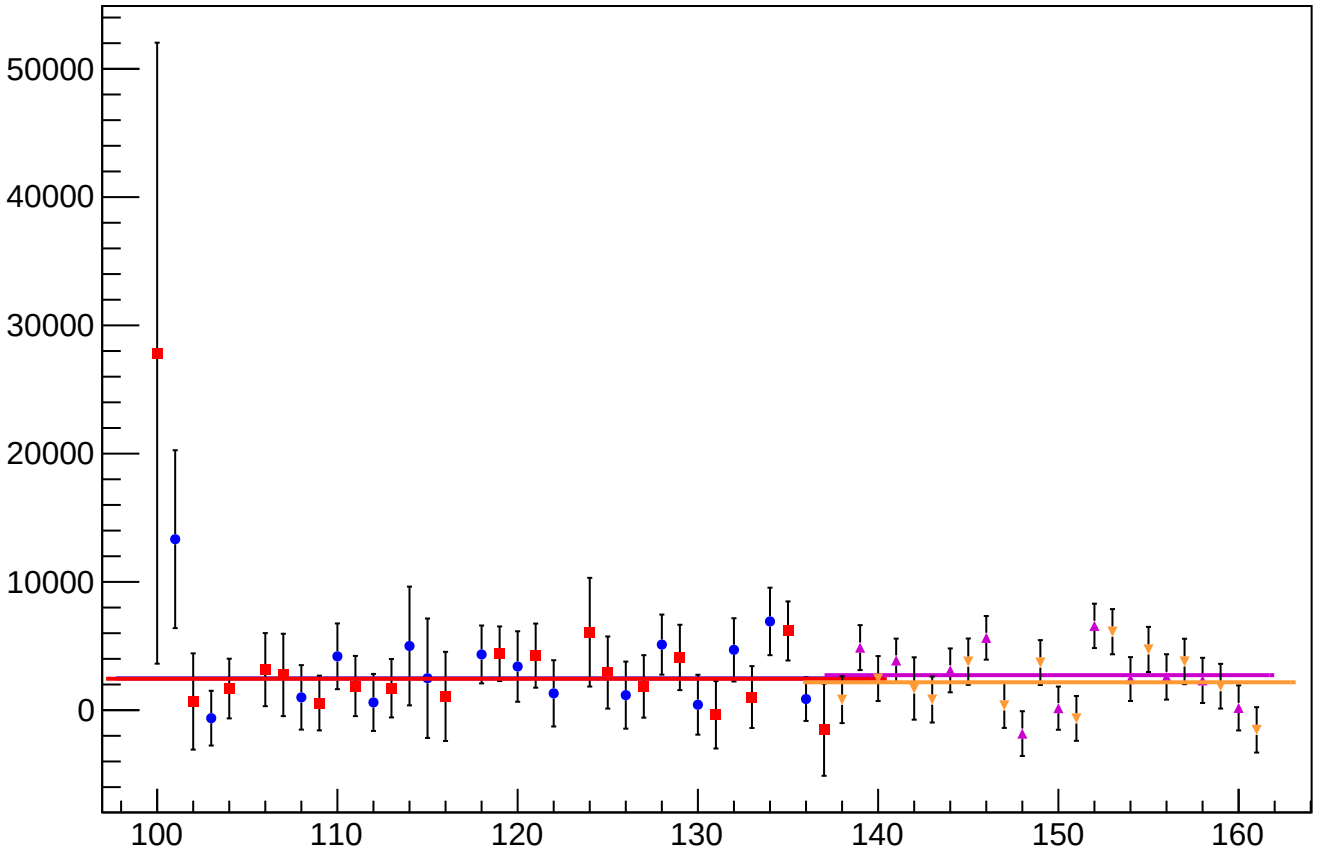
Left: 934.943+/-0.153 χ^2/NDF: 2088717.7/23

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 941.286+/-0.167 χ^2/NDF:1649944.7/26

Out: 925.737+/-0.160 χ^2/NDF:1888338.0/31

All: 933.174+/-0.116 χ^2/NDF: 3542790.7/58



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2174.915+/-499.800 χ^2/NDF:18.8/12

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2729.070+/-521.248 χ^2/NDF:21.2/10

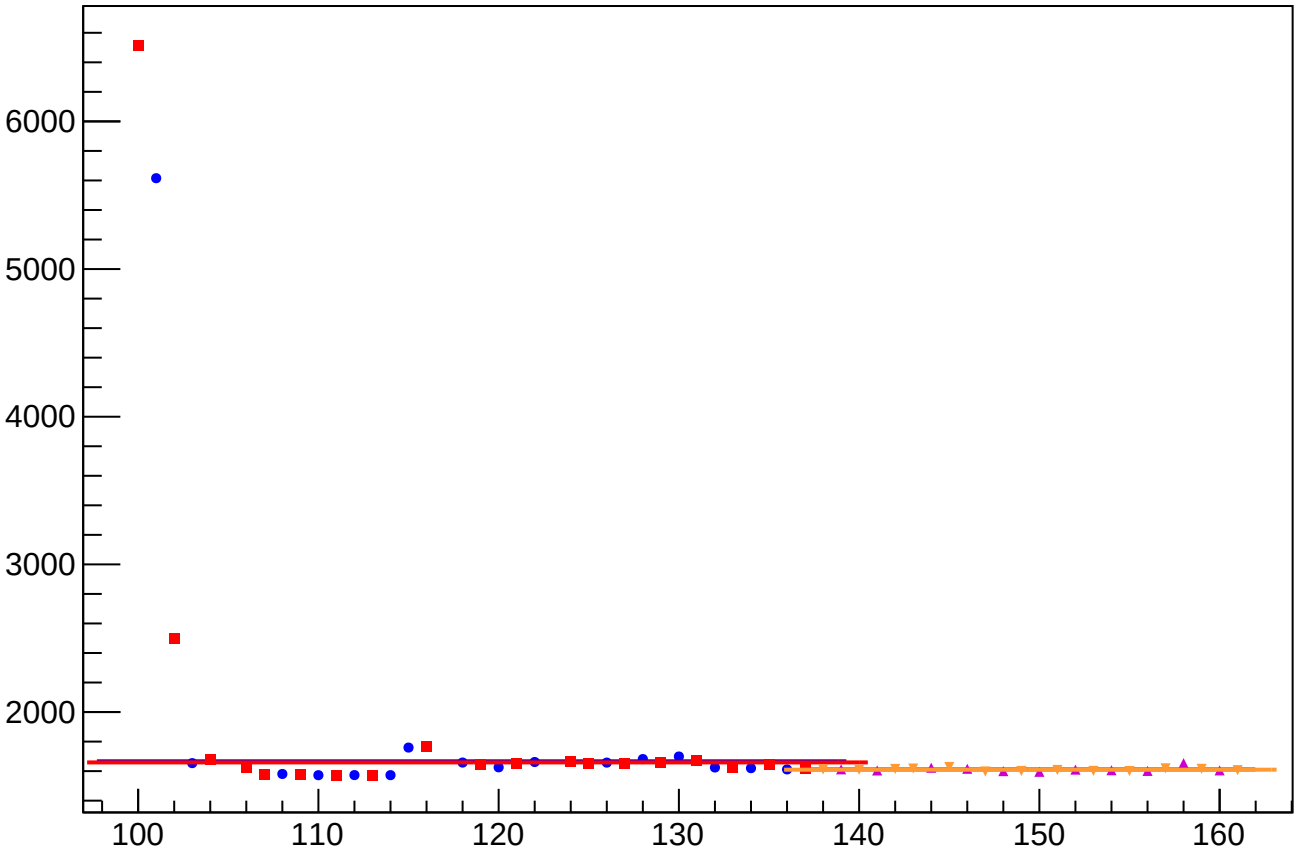
Left: 2440.357+/-360.756 χ^2/NDF: 40.6/23

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2626.664+/-402.604 χ^2/NDF:35.5/26

Out: 2283.416+/-388.500 χ^2/NDF:29.5/31

All: 2448.922+/-279.564 χ^2/NDF: 65.4/58



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.702+/-0.353 χ^2/NDF:577.0/12

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

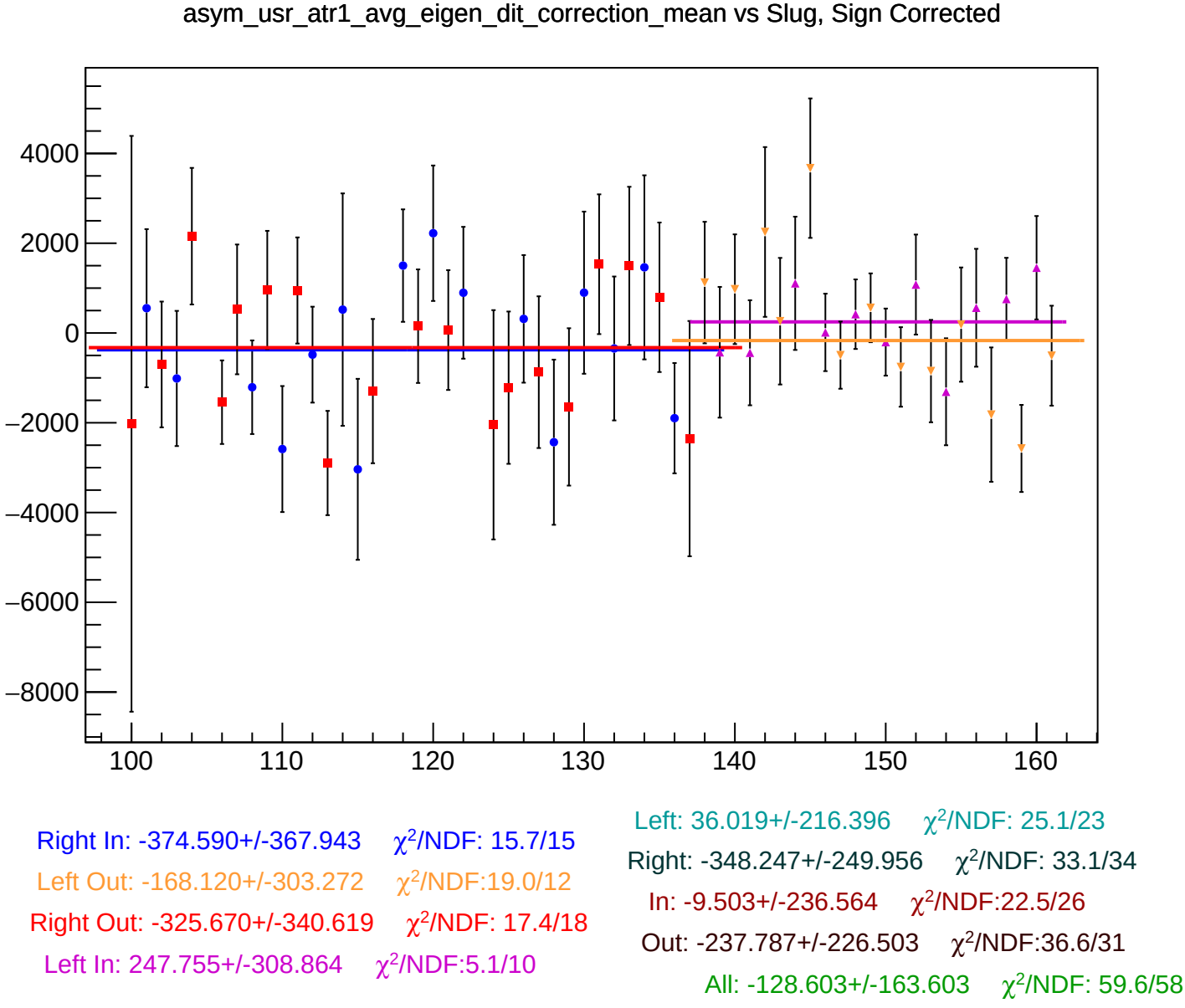
Left: 1610.593+/-0.255 χ^2/NDF: 2287.0/23

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

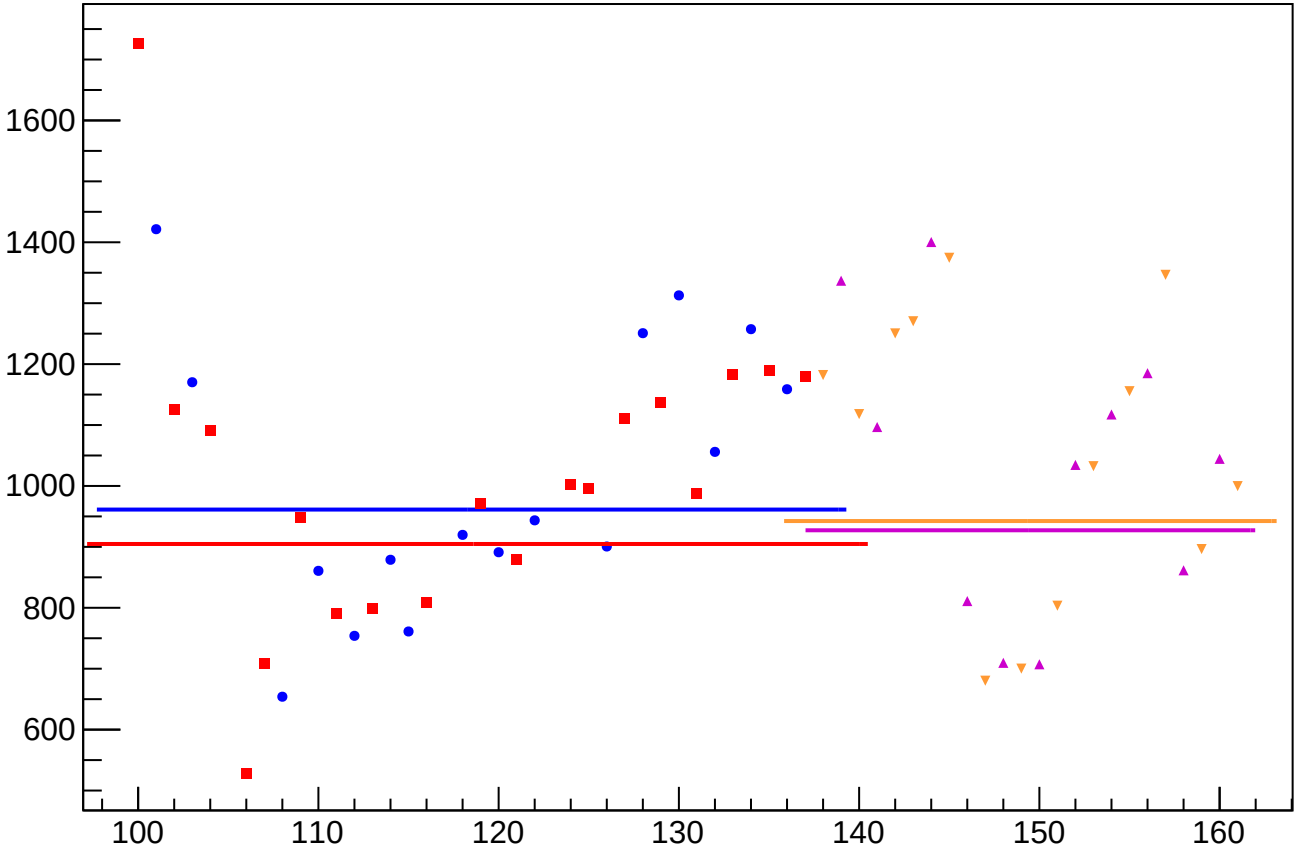
In: 1633.684+/-0.285 χ^2/NDF:673541.7/26

Out: 1629.215+/-0.275 χ^2/NDF:201503.2/31

All: 1631.370+/-0.198 χ^2/NDF: 875172.5/58


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -168.120+/-303.272 χ²/NDF:19.0/12
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 247.755+/-308.864 χ²/NDF:5.1/10
Left: 36.019+/-216.396 χ²/NDF: 25.1/23
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -9.503+/-236.564 χ²/NDF:22.5/26
Out: -237.787+/-226.503 χ²/NDF:36.6/31
All: -128.603+/-163.603 χ²/NDF: 59.6/58

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: 942.386+/-0.214 χ^2/NDF:1138226.7/12

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 927.226+/-0.218 χ^2/NDF:948042.5/10

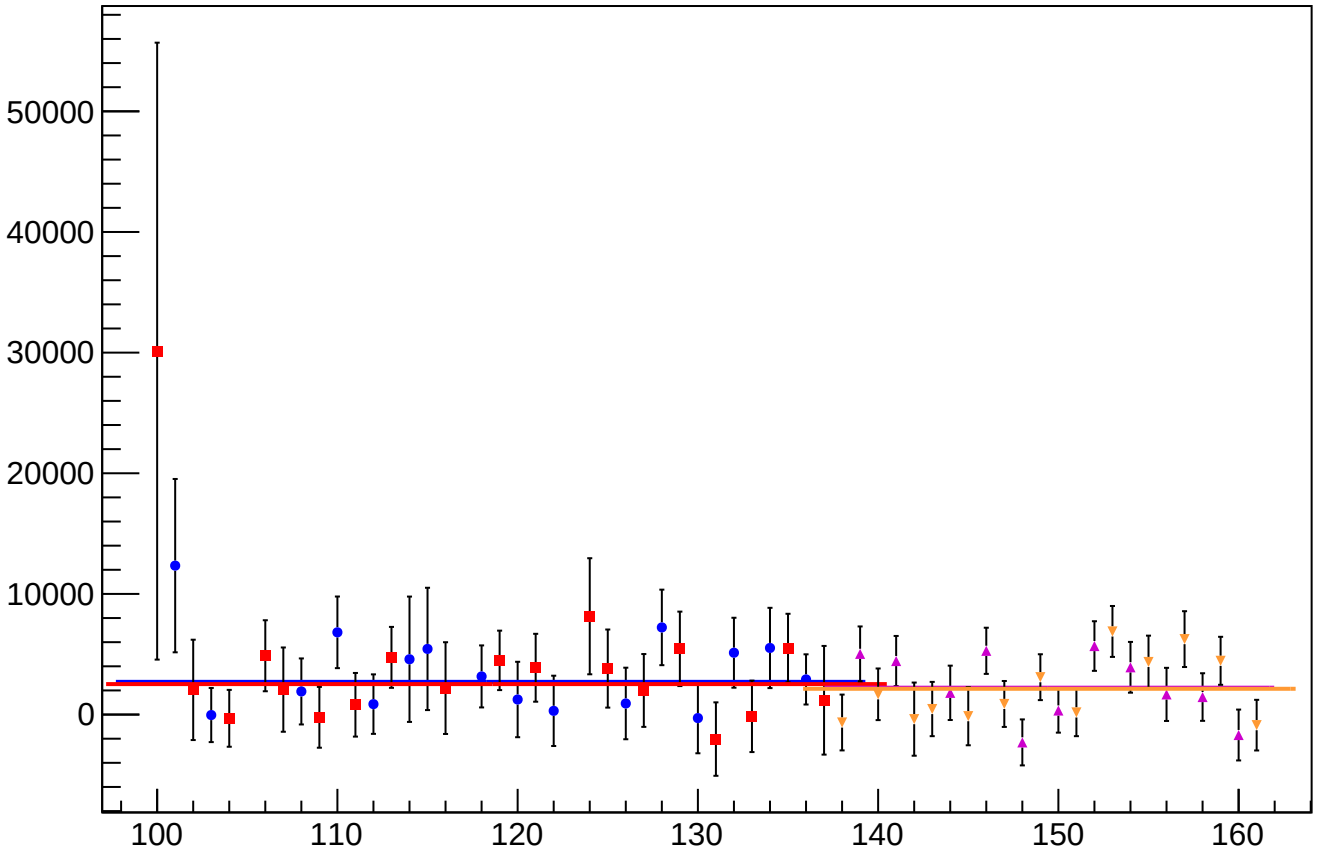
Left: 934.945+/-0.153 χ^2/NDF: 2088722.5/23

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 941.286+/-0.167 χ^2/NDF:1649951.7/26

Out: 925.737+/-0.160 χ^2/NDF:1888341.1/31

All: 933.174+/-0.116 χ^2/NDF: 3542800.7/58



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2137.029+/-598.185 χ^2/NDF:18.0/12

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2227.392+/-618.003 χ^2/NDF:19.1/10

Left: 2180.738+/-429.816 χ^2/NDF: 37.1/23

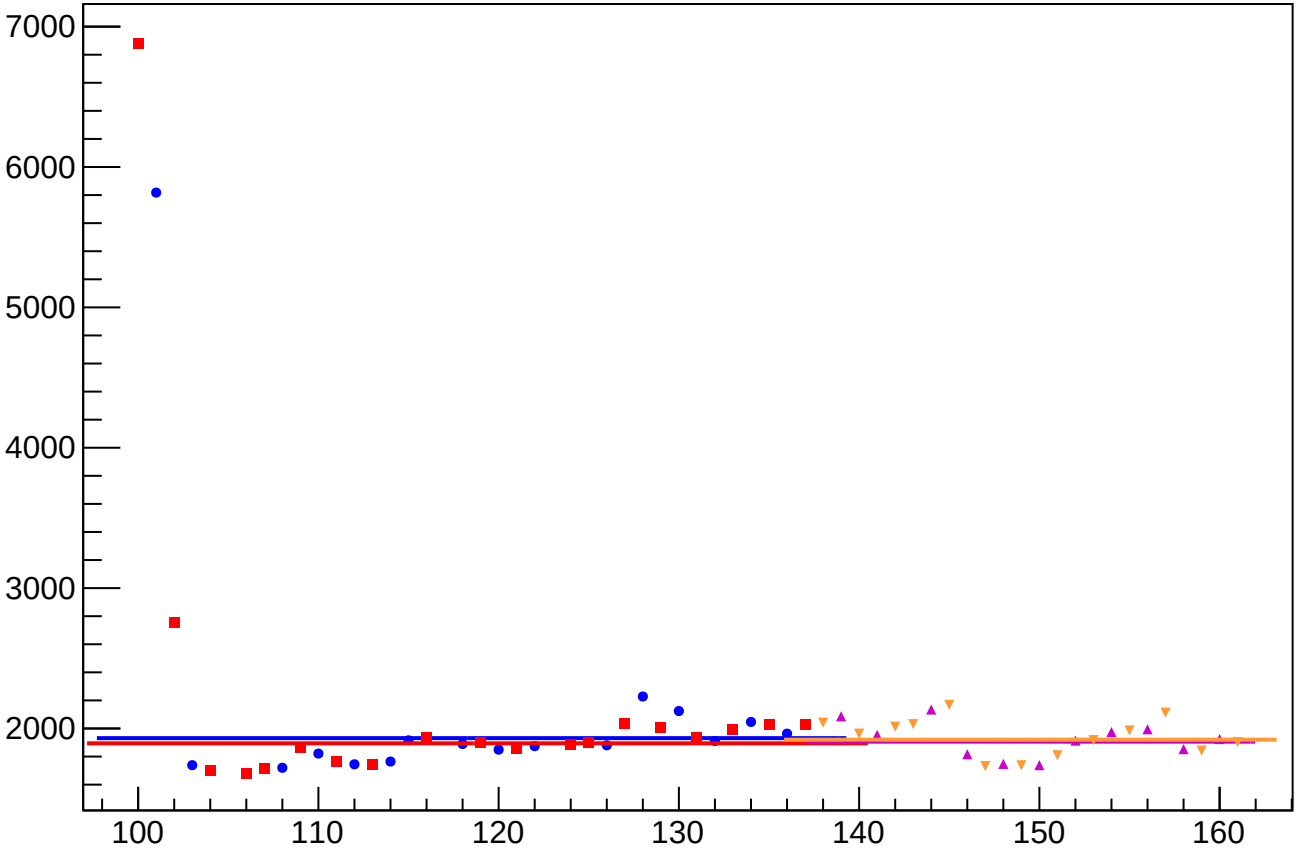
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2427.823+/-473.040 χ^2/NDF:31.5/26

Out: 2299.263+/-456.512 χ^2/NDF:31.4/31

All: 2361.258+/-328.491 χ^2/NDF: 63.0/58

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1920.479+/-0.423 χ^2/NDF:97443.3/12

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1906.037+/-0.437 χ^2/NDF:76193.6/10

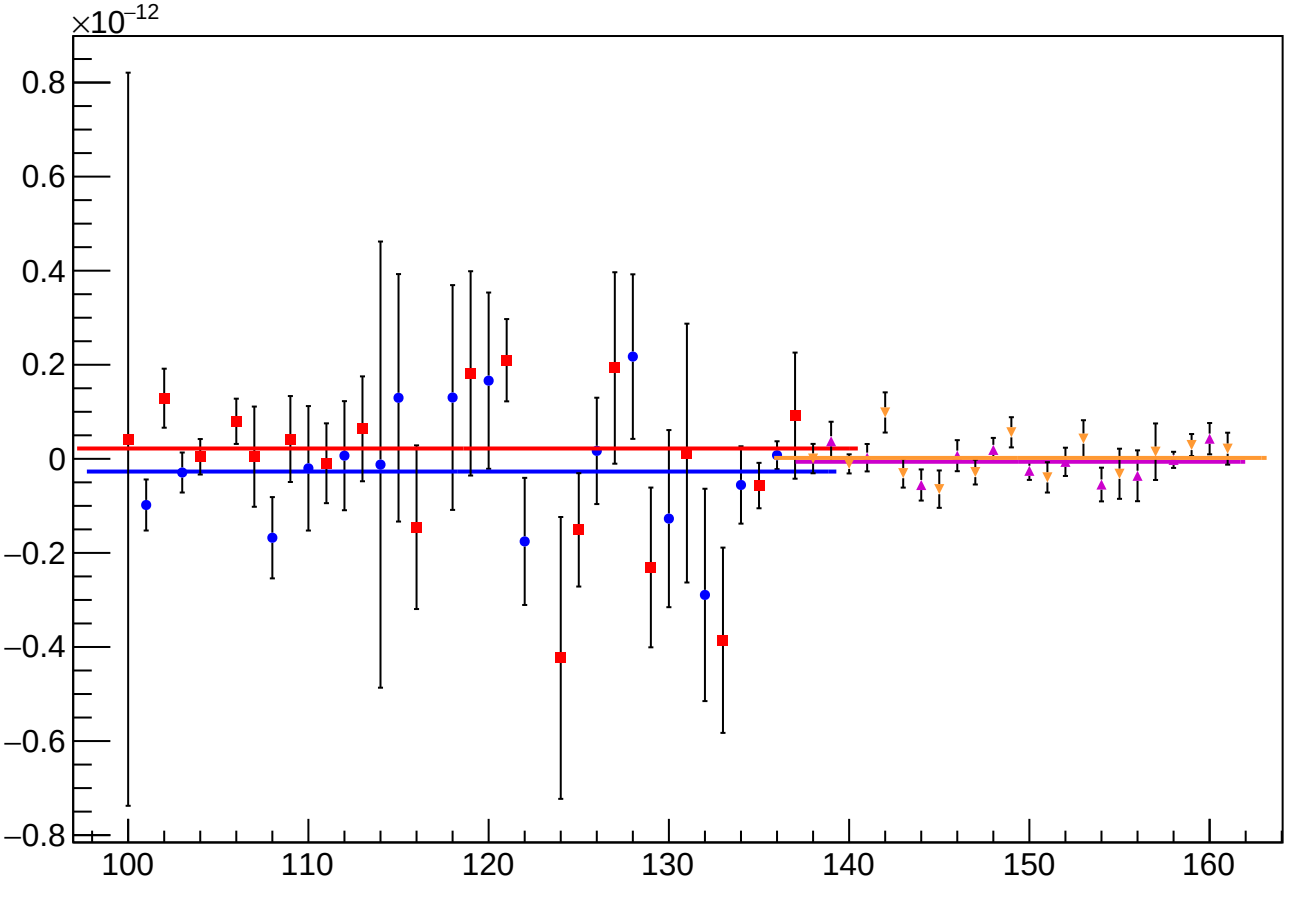
Left: 1913.493+/-0.304 χ^2/NDF: 174200.7/23

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.478+/-0.334 χ^2/NDF:738799.1/26

Out: 1909.567+/-0.323 χ^2/NDF:319578.1/31

All: 1912.900+/-0.232 χ^2/NDF: 1058598.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

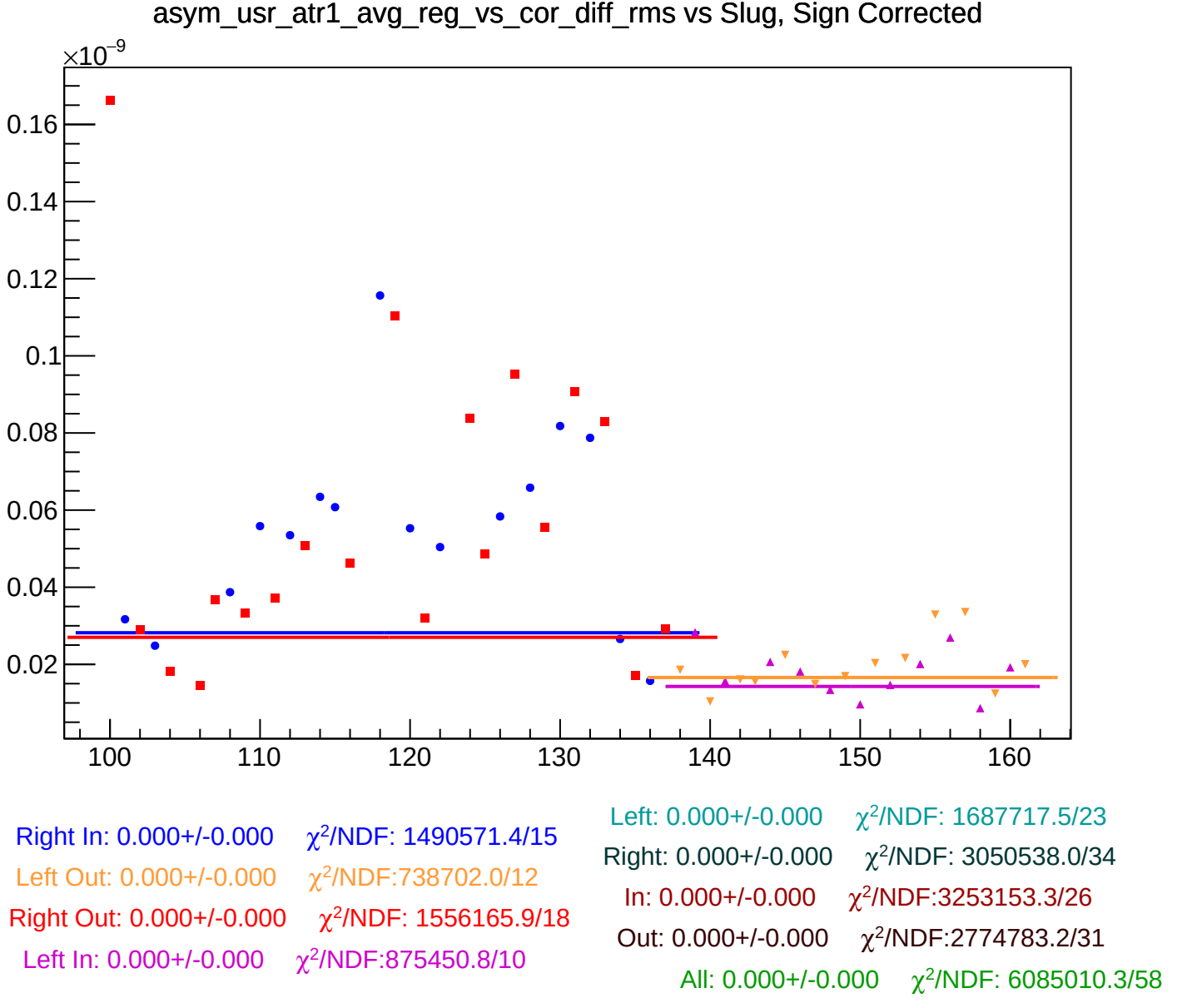
Left: -0.000+/-0.000 χ^2/NDF: 28.8/23

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

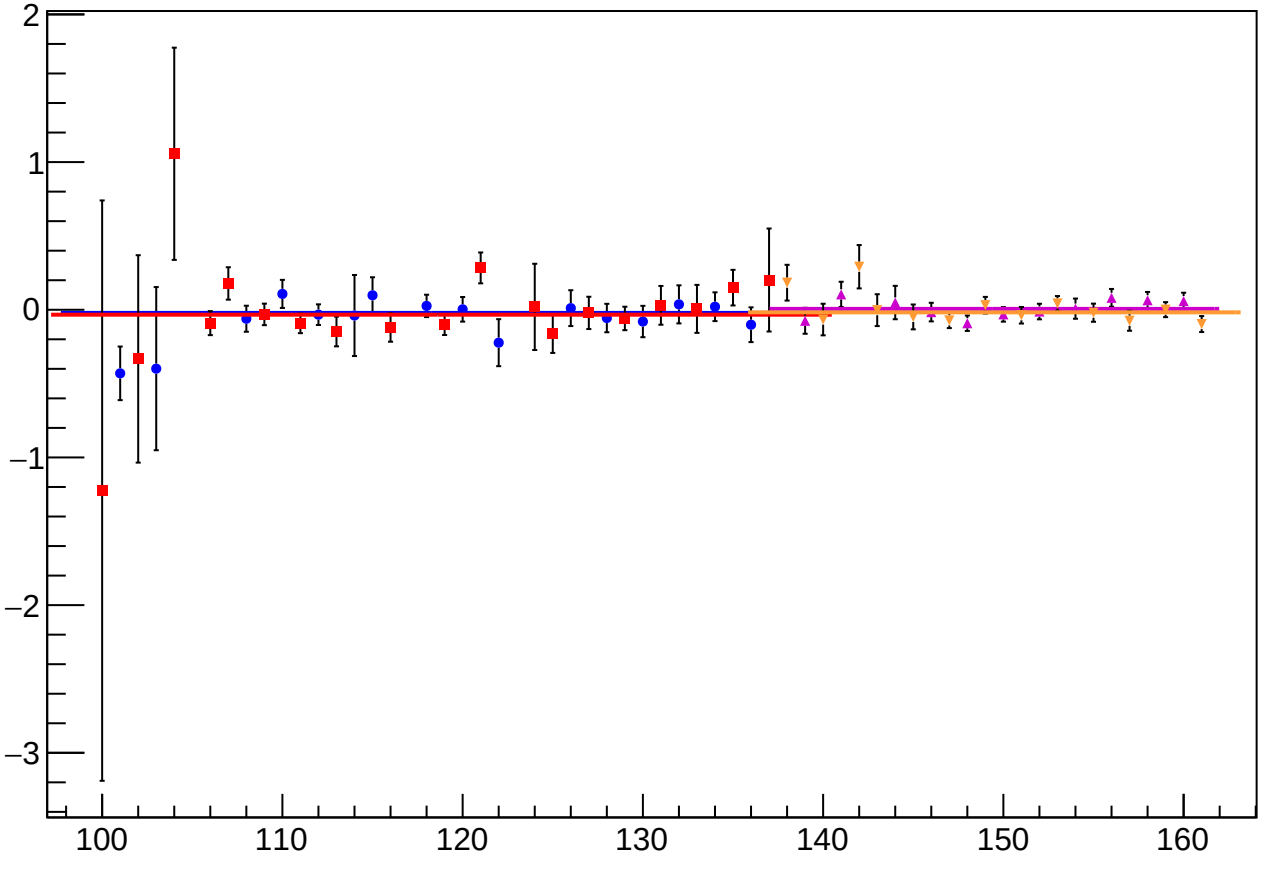
In: -0.000+/-0.000 χ^2/NDF:23.6/26

Out: 0.000+/-0.000 χ^2/NDF:44.8/31

All: -0.000+/-0.000 χ^2/NDF: 70.2/58


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:738702.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:875450.8/10
Left: 0.000+/-0.000 χ²/NDF: 1687717.5/23
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:3253153.3/26
Out: 0.000+/-0.000 χ²/NDF:2774783.2/31
All: 0.000+/-0.000 χ²/NDF: 6085010.3/58

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: -0.017+/-0.018 χ^2/NDF:13.9/12

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

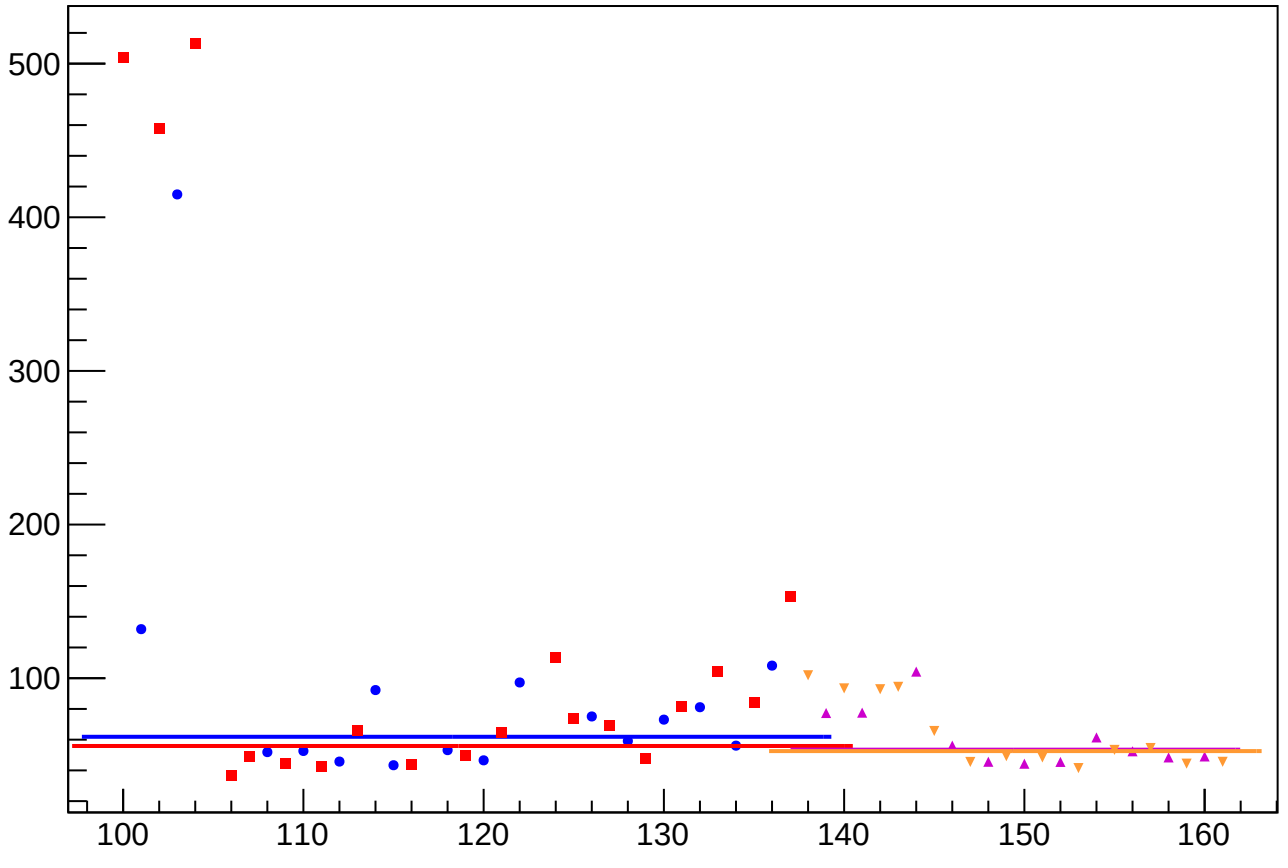
Left: -0.006+/-0.013 χ^2/NDF: 24.8/23

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.023+/-0.015 χ^2/NDF:38.6/31

All: -0.014+/-0.011 χ^2/NDF: 62.2/58



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.563+/-0.013 χ^2/NDF:1360858.2/12

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.489+/-0.013 χ^2/NDF:930016.5/10

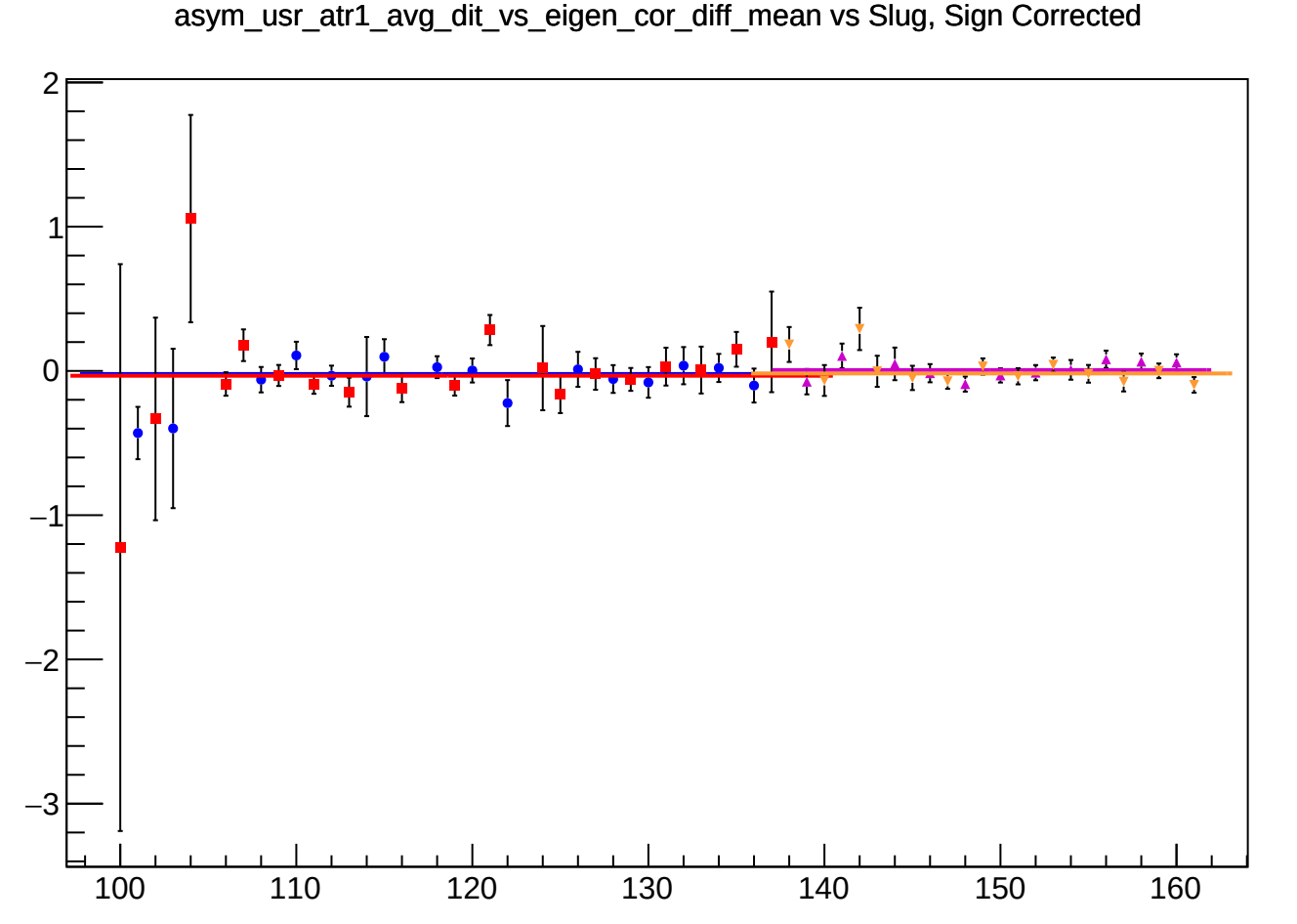
Left: 53.011+/-0.009 χ^2/NDF: 2293397.6/23

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.273+/-0.011 χ^2/NDF:3001236.2/26

Out: 53.735+/-0.010 χ^2/NDF:3975811.2/31

All: 54.944+/-0.007 χ^2/NDF: 7005862.7/58



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.018 χ^2/NDF:13.9/12

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

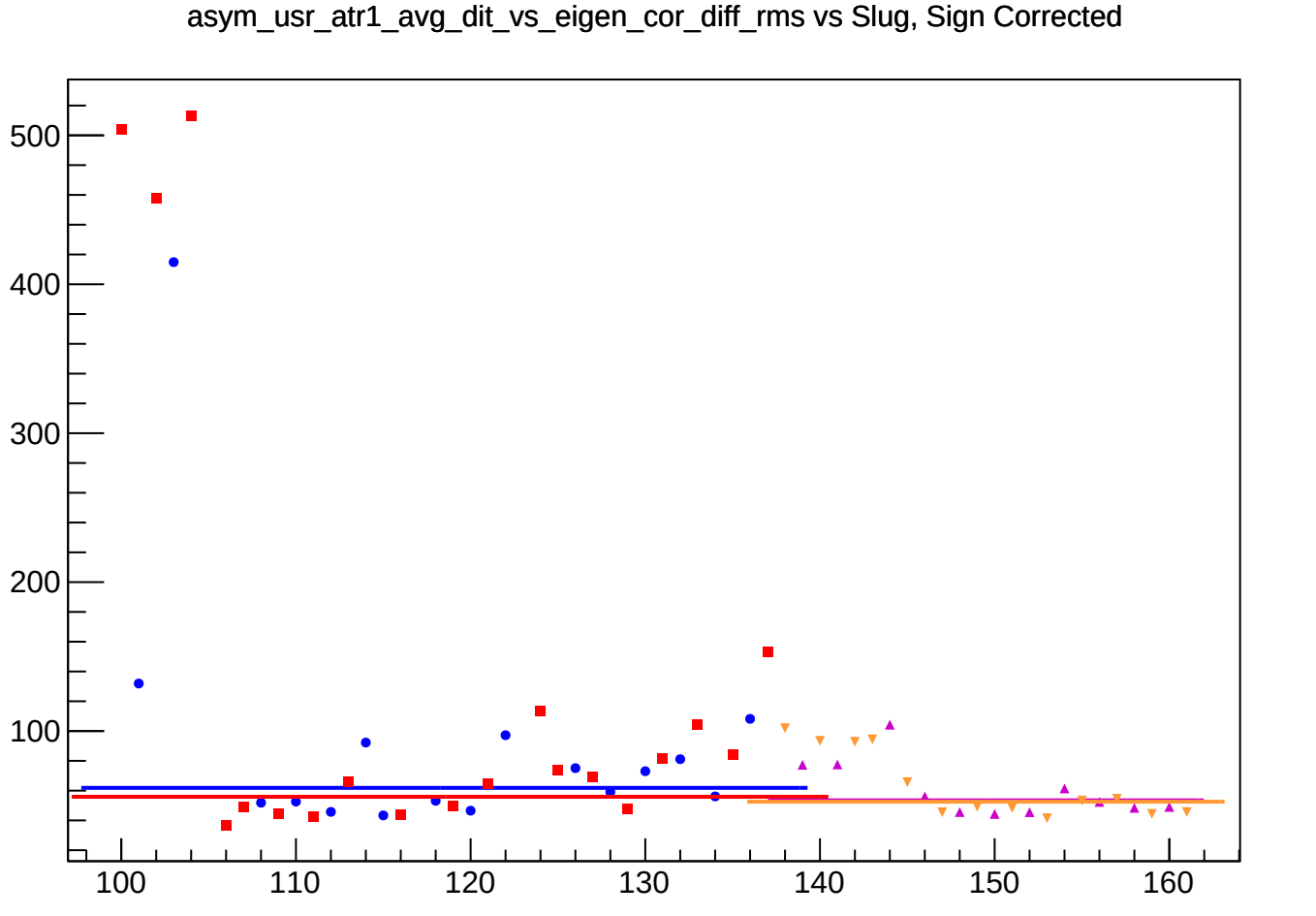
Left: -0.006+/-0.013 χ^2/NDF: 24.8/23

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.023+/-0.015 χ^2/NDF:38.6/31

All: -0.014+/-0.011 χ^2/NDF: 62.2/58



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.563+/-0.013 χ^2/NDF:1360858.2/12

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.489+/-0.013 χ^2/NDF:930016.5/10

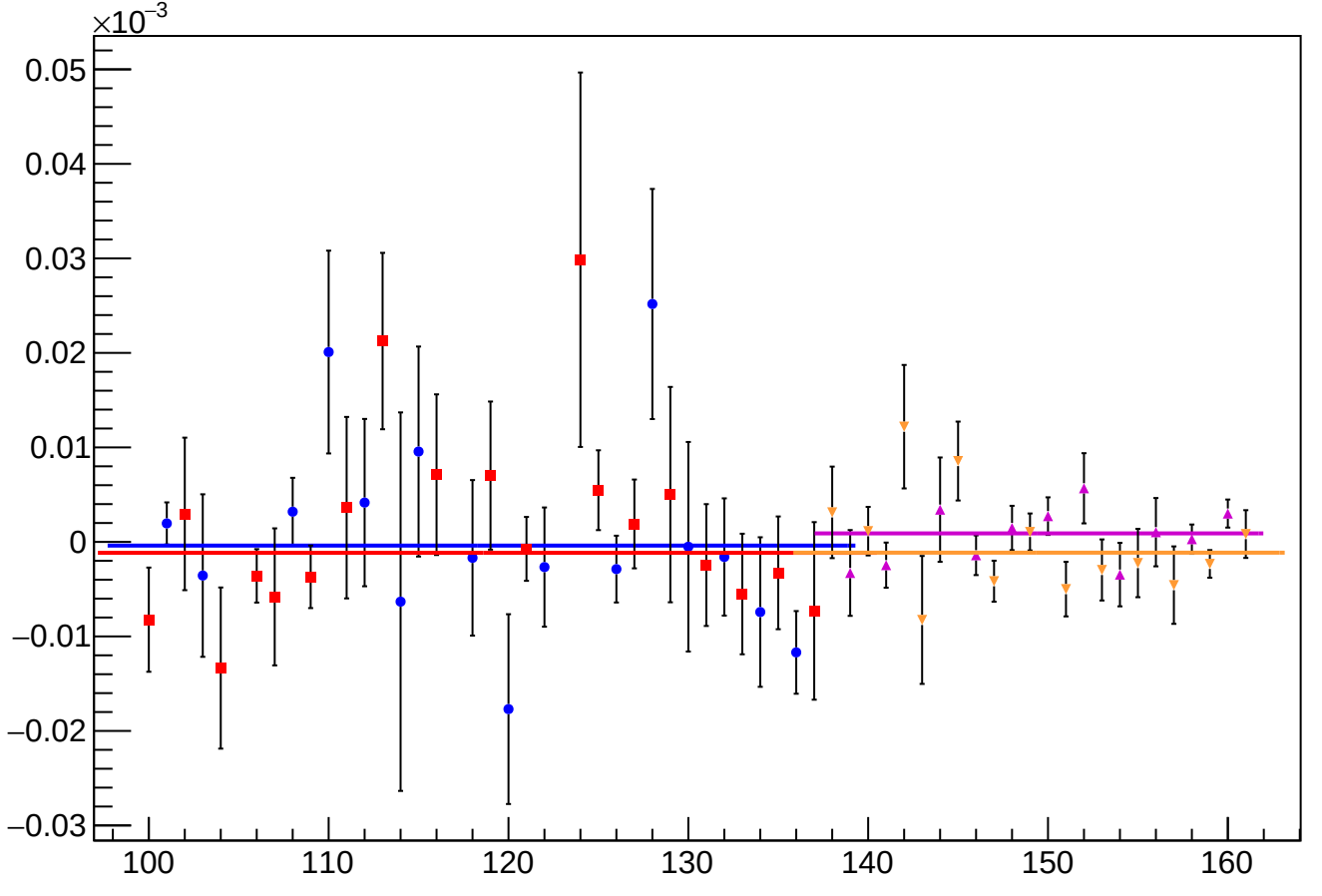
Left: 53.011+/-0.009 χ^2/NDF: 2293397.6/23

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.273+/-0.011 χ^2/NDF:3001236.2/26

Out: 53.735+/-0.010 χ^2/NDF:3975811.2/31

All: 54.944+/-0.007 χ^2/NDF: 7005862.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

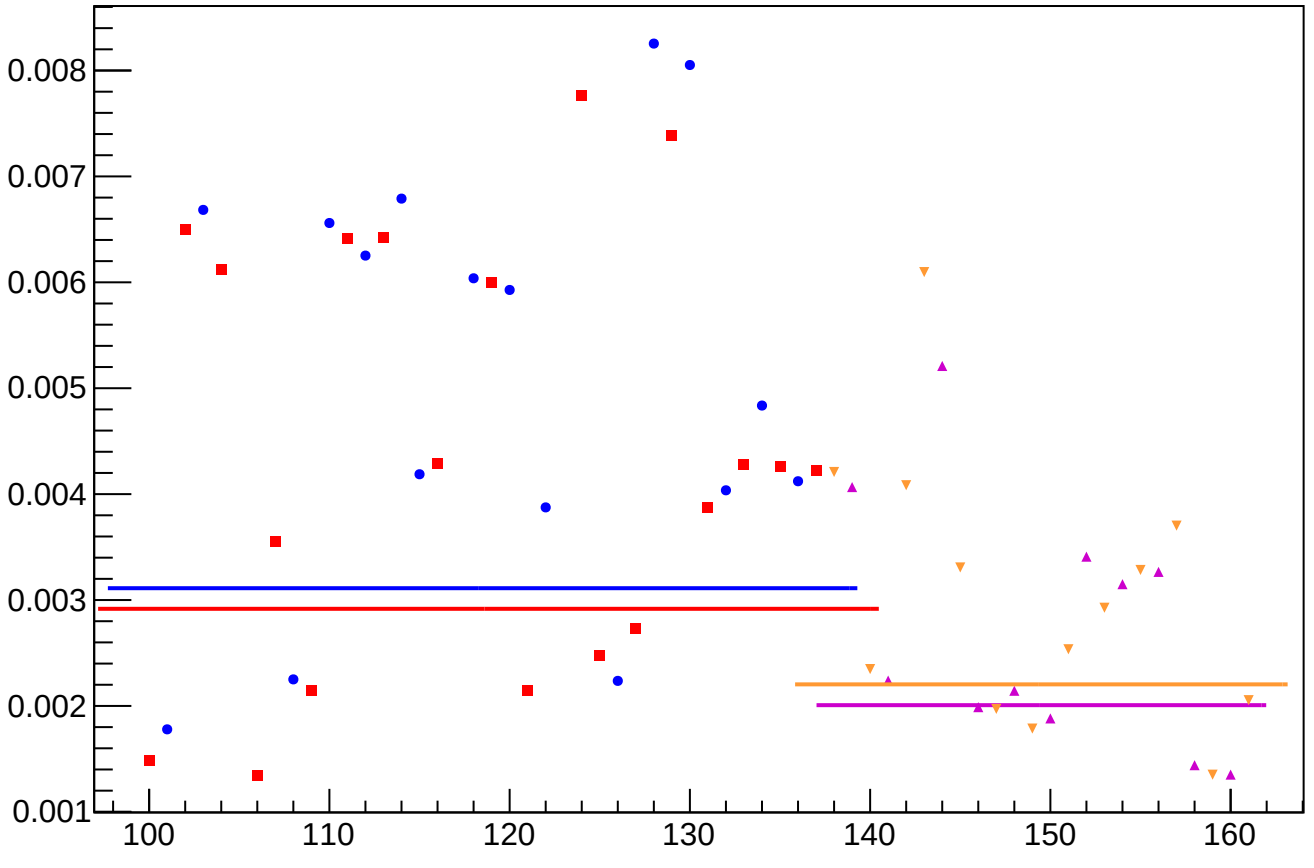
Left: -0.000+/-0.000 χ^2/NDF: 34.1/23

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.0/26

Out: -0.000+/-0.000 χ^2/NDF:40.0/31

All: -0.000+/-0.000 χ^2/NDF: 77.9/58



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2690441.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2535244.4/10

Left: 0.002+/-0.000 χ^2/NDF: 5298054.8/23

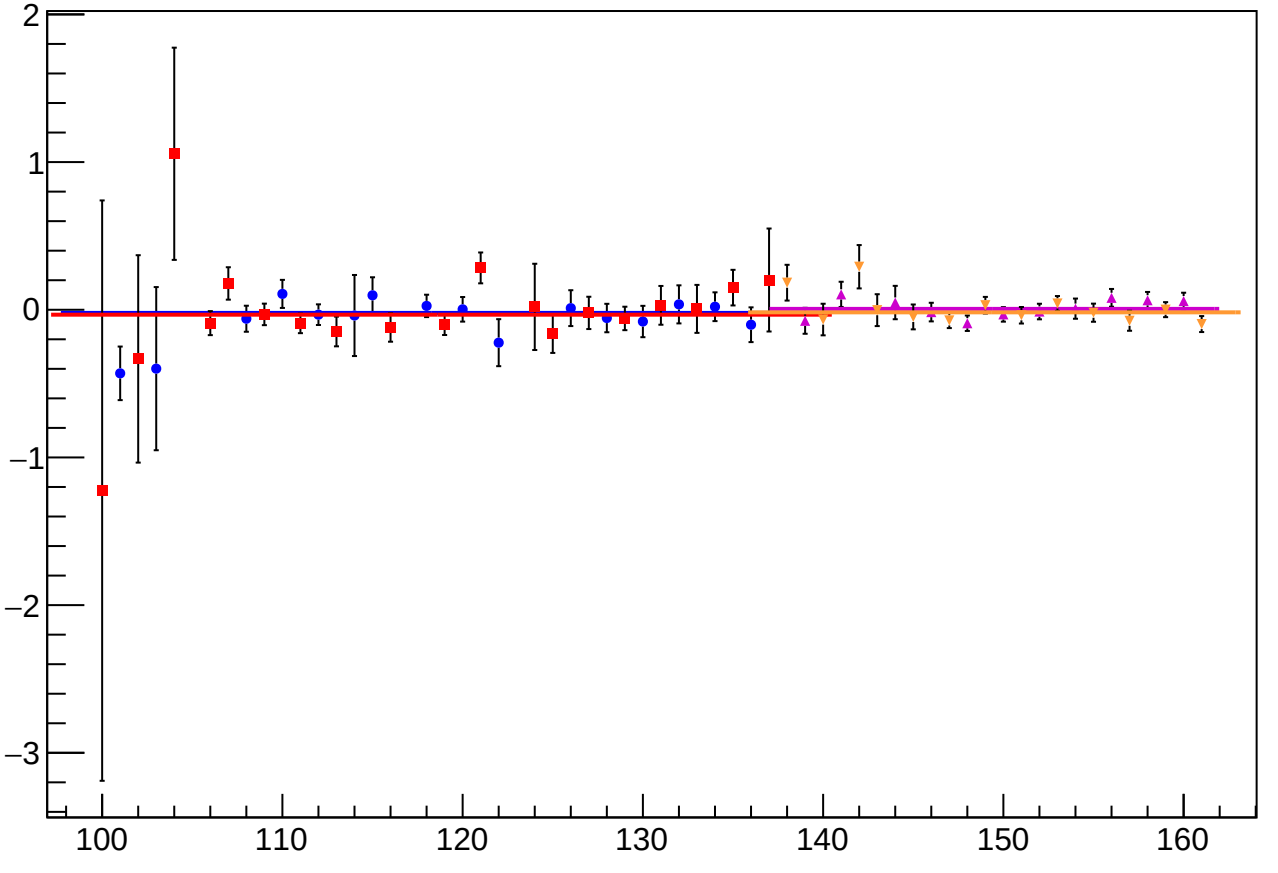
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:6895610.8/26

Out: 0.002+/-0.000 χ^2/NDF:6461324.2/31

All: 0.002+/-0.000 χ^2/NDF: 13410243.4/58

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: -0.017+/-0.018 χ^2/NDF:13.9/12

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

Left: -0.006+/-0.013 χ^2/NDF: 24.8/23

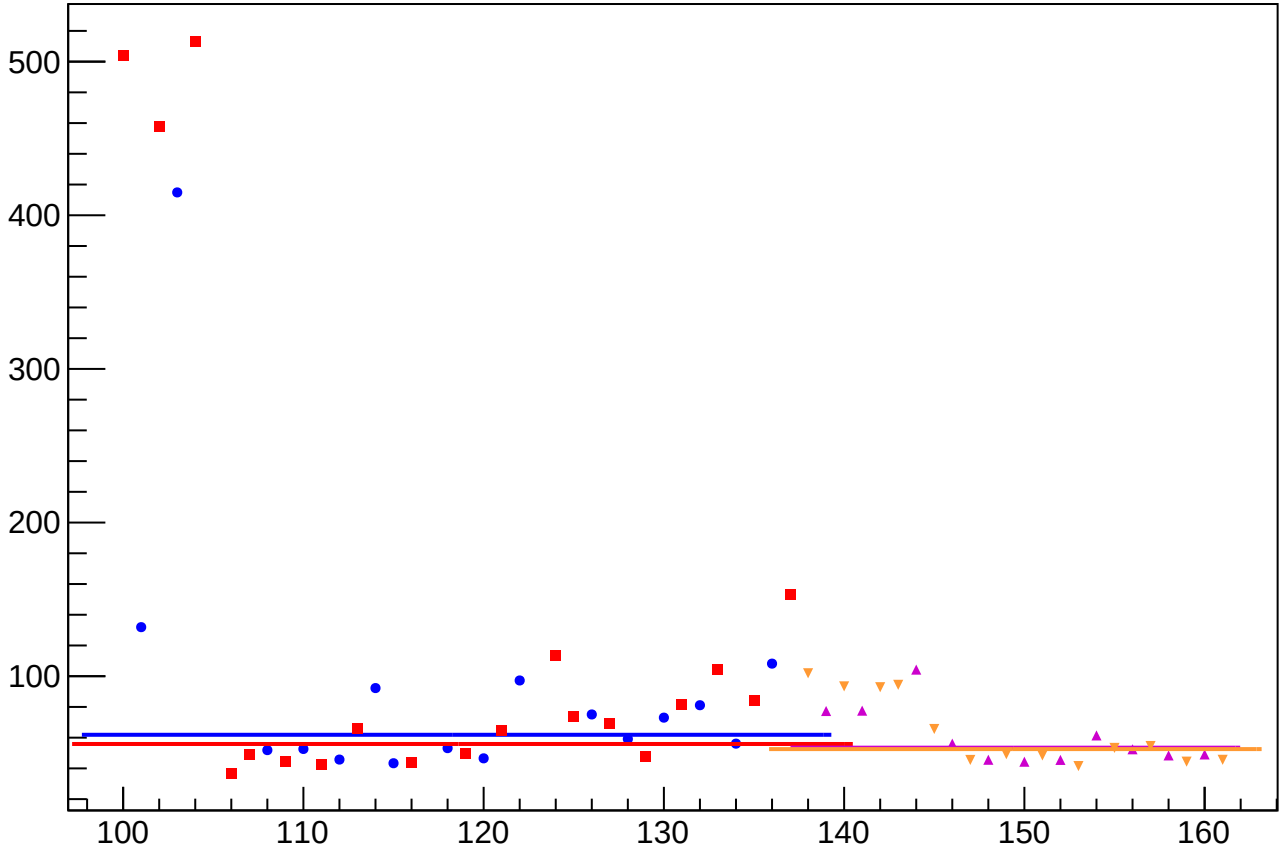
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.023+/-0.015 χ^2/NDF:38.6/31

All: -0.014+/-0.011 χ^2/NDF: 62.2/58

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: 52.563+/-0.013 χ^2/NDF:1360890.1/12

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

Left: 53.011+/-0.009 χ^2/NDF: 2293416.3/23

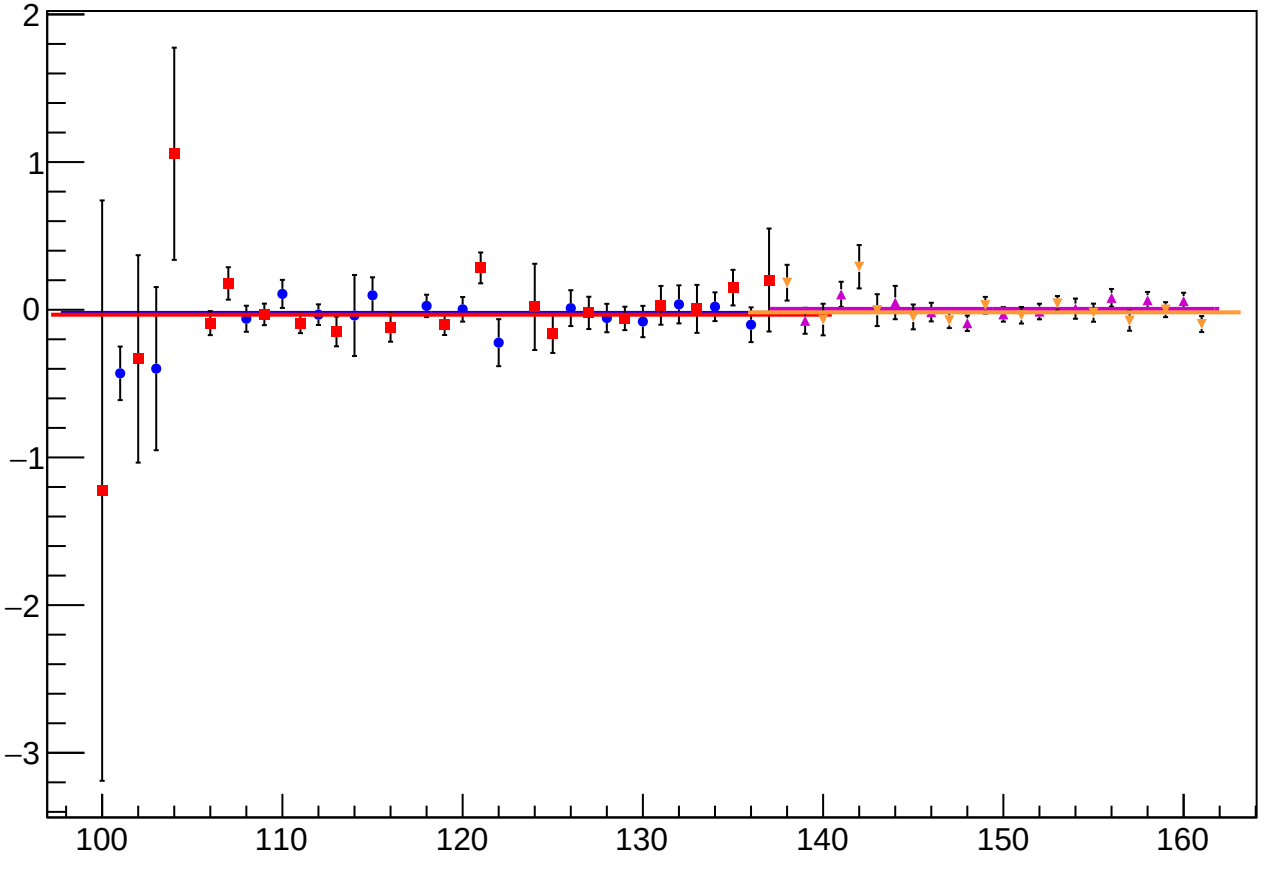
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.273+/-0.011 χ^2/NDF:3001146.8/26

Out: 53.734+/-0.010 χ^2/NDF:3975792.6/31

All: 54.944+/-0.007 χ^2/NDF: 7005762.0/58

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: -0.017+/-0.018 χ^2/NDF:13.9/12

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.006+/-0.019 χ^2/NDF:10.1/10

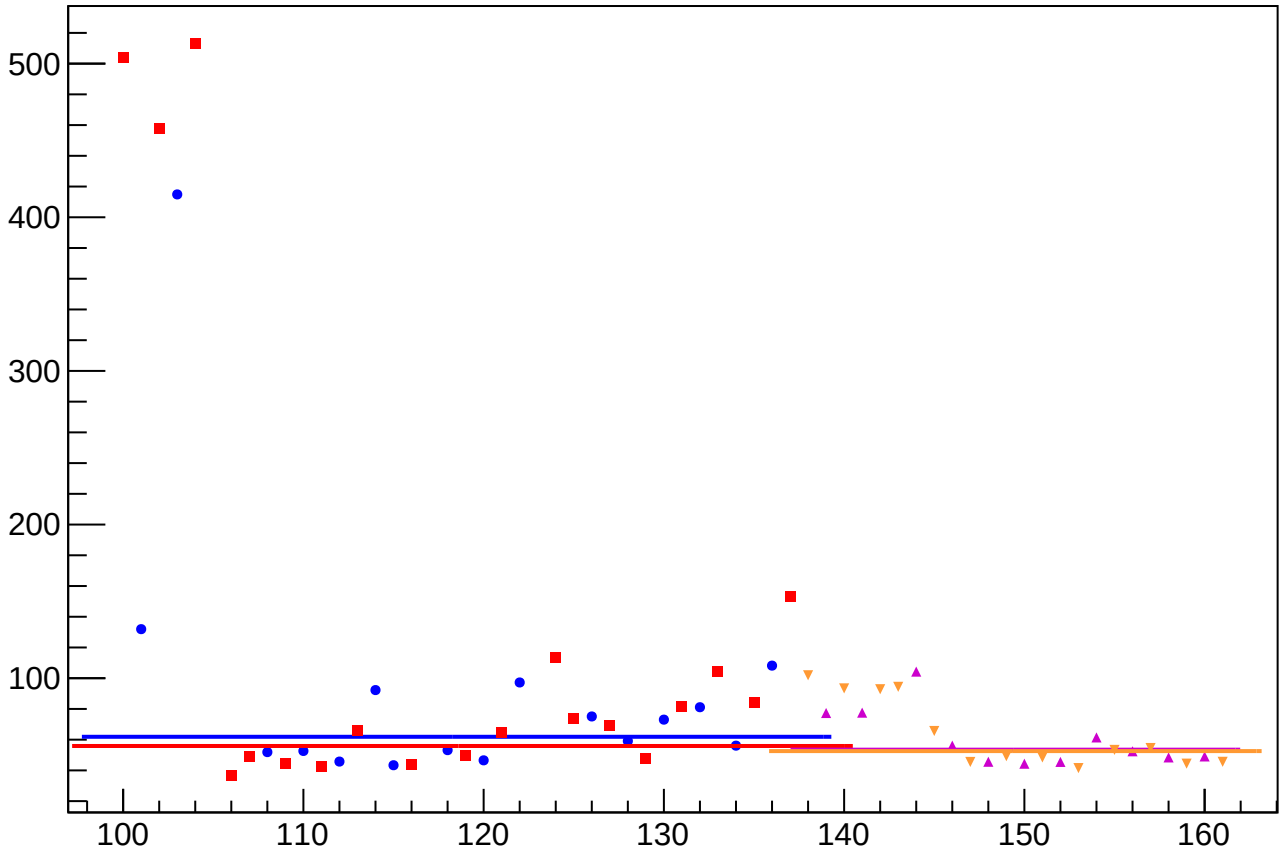
Left: -0.006+/-0.013 χ^2/NDF: 24.8/23

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.003+/-0.015 χ^2/NDF:22.8/26

Out: -0.023+/-0.015 χ^2/NDF:38.6/31

All: -0.014+/-0.011 χ^2/NDF: 62.2/58



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.563+/-0.013 χ^2/NDF:1360890.1/12

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

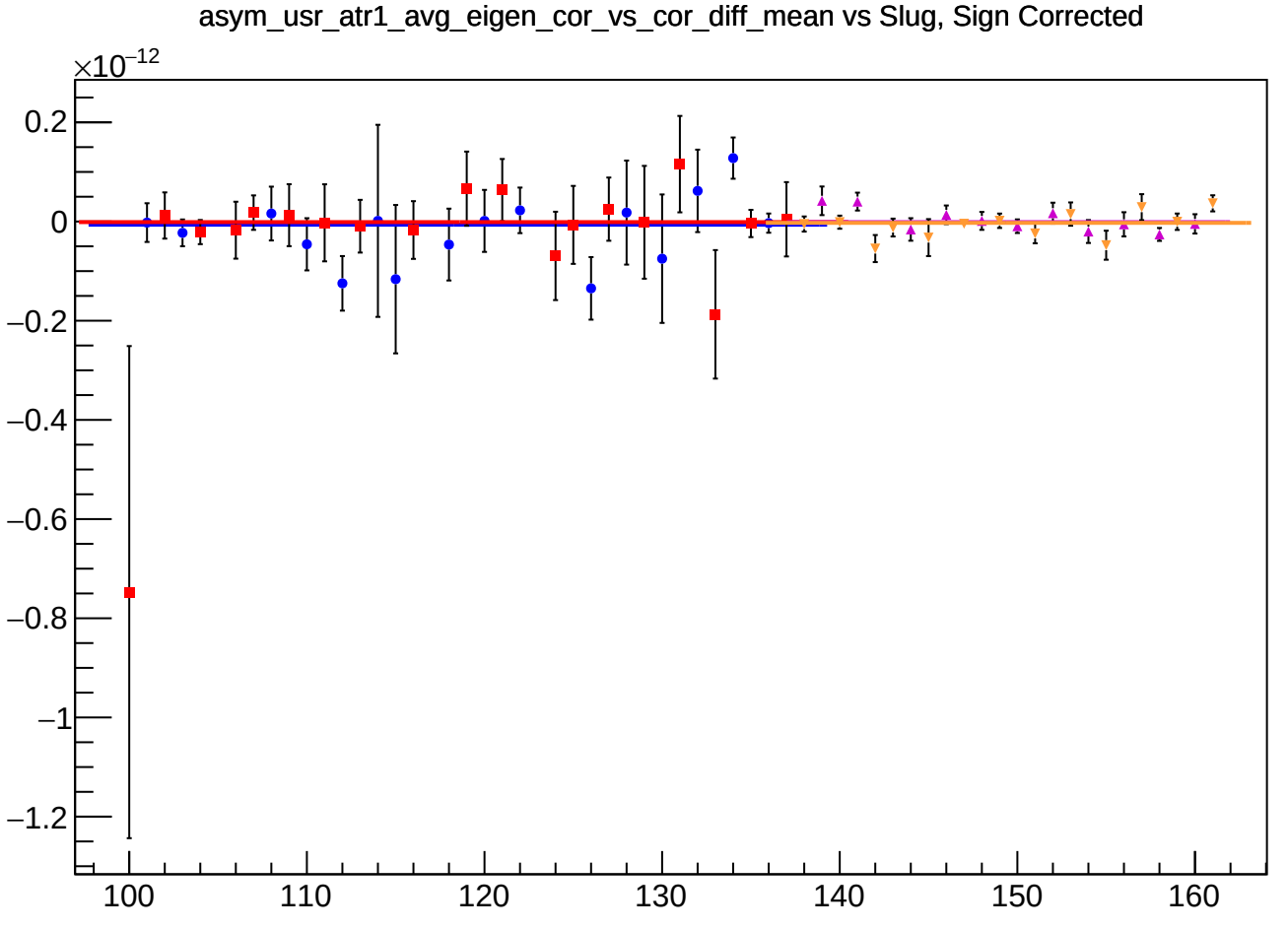
Left: 53.011+/-0.009 χ^2/NDF: 2293416.3/23

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.273+/-0.011 χ^2/NDF:3001146.8/26

Out: 53.734+/-0.010 χ^2/NDF:3975792.6/31

All: 54.944+/-0.007 χ^2/NDF: 7005762.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/10

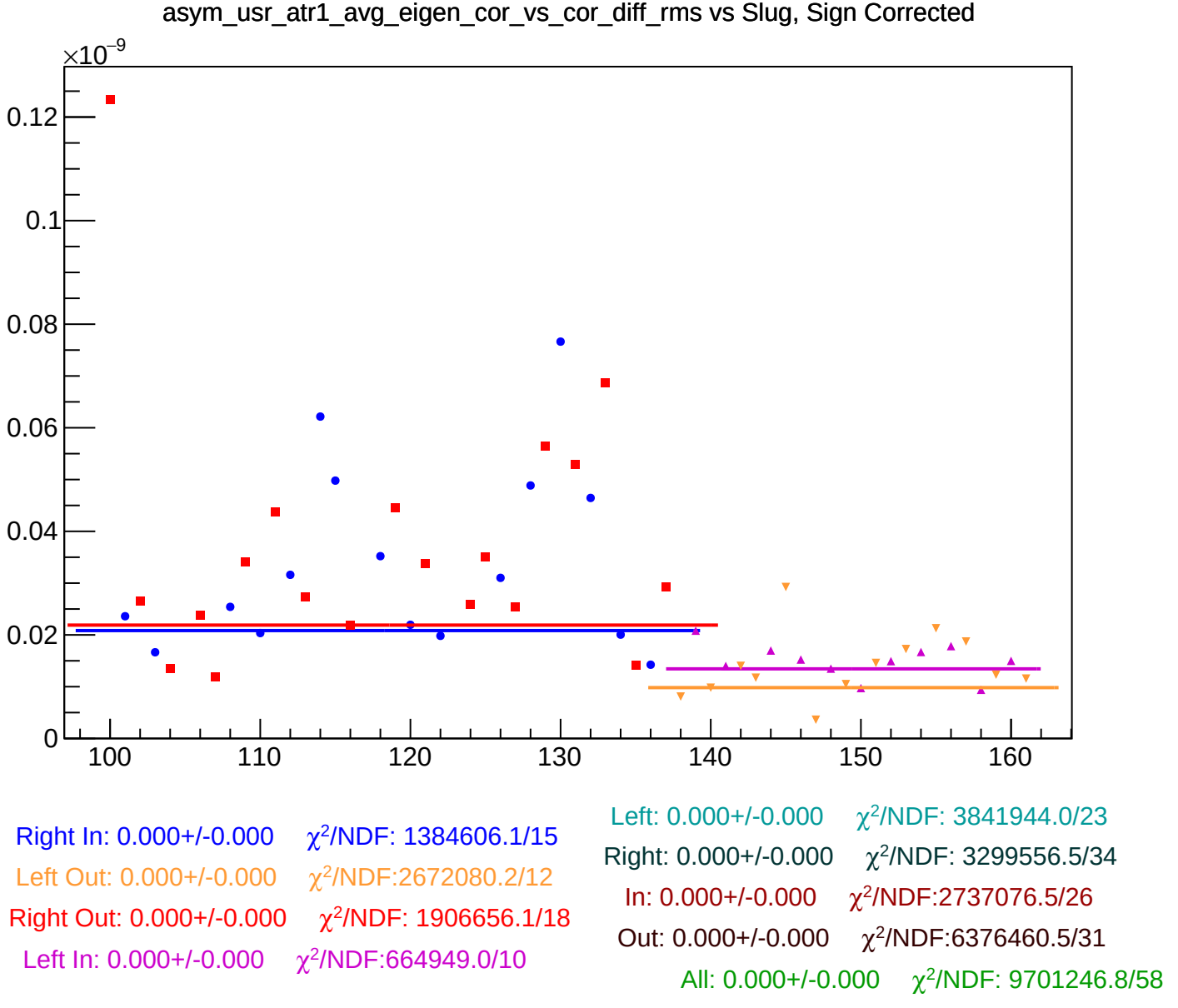
Left: -0.000+/-0.000 χ^2/NDF: 30.2/23

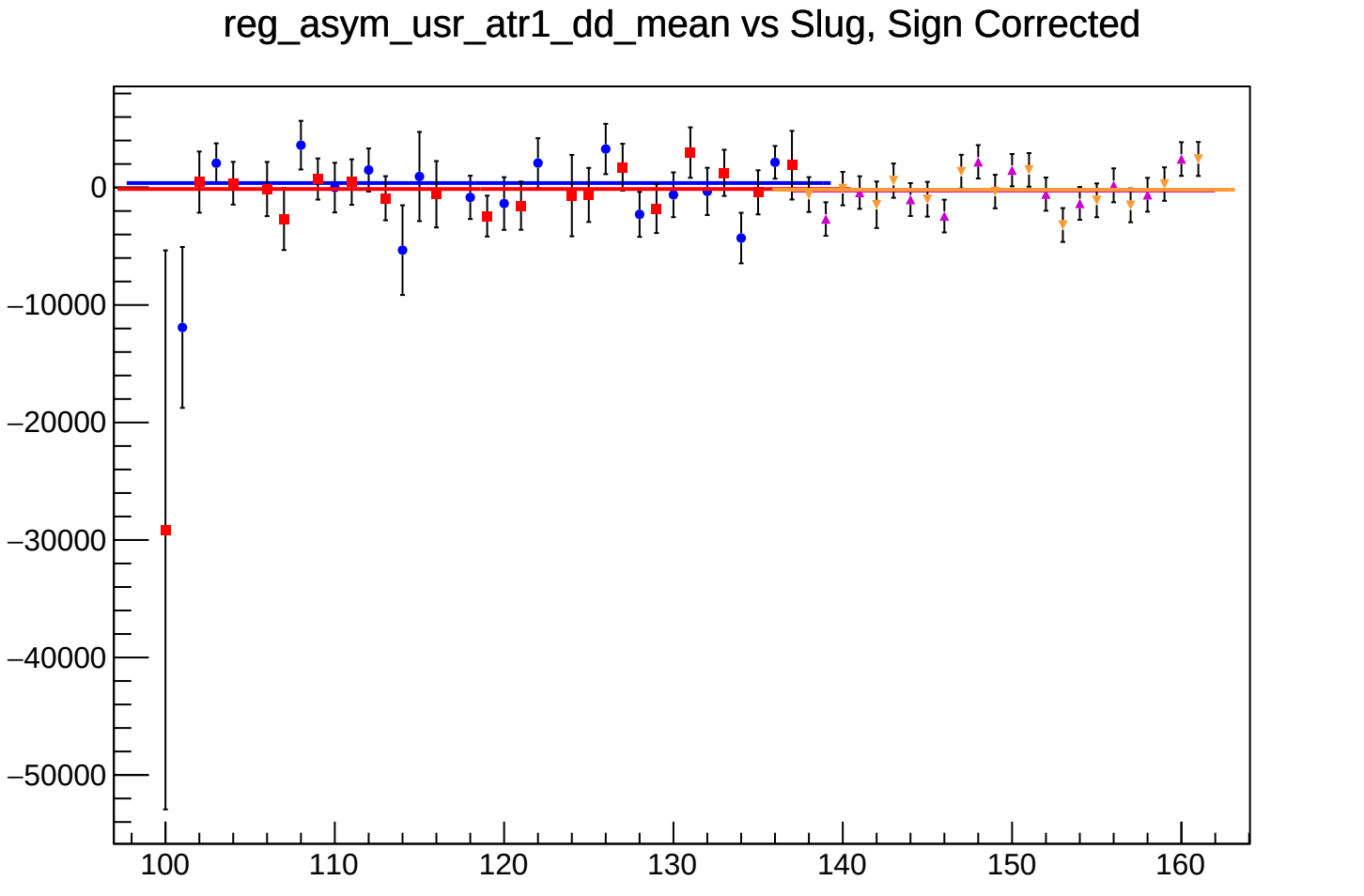
Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/26

Out: -0.000+/-0.000 χ^2/NDF:25.8/31

All: -0.000+/-0.000 χ^2/NDF: 62.6/58


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2672080.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:664949.0/10
Left: 0.000+/-0.000 χ²/NDF: 3841944.0/23
Right: 0.000+/-0.000 χ²/NDF: 3299556.5/34
In: 0.000+/-0.000 χ²/NDF:2737076.5/26
Out: 0.000+/-0.000 χ²/NDF:6376460.5/31
All: 0.000+/-0.000 χ²/NDF: 9701246.8/58



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -189.989+/-407.721 χ^2/NDF:12.6/12

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -265.339+/-425.423 χ^2/NDF:14.5/10

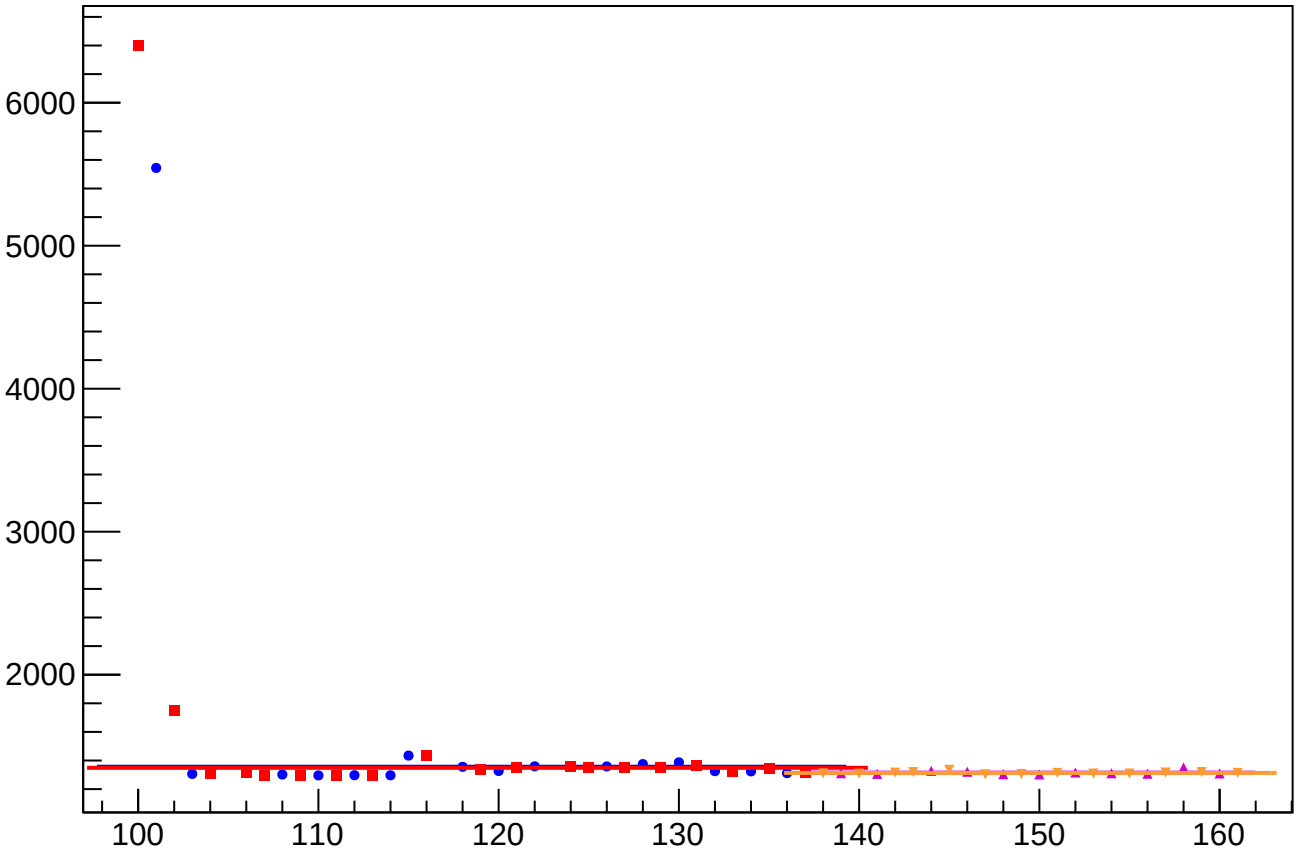
Left: -226.064+/-294.362 χ^2/NDF: 27.2/23

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -4.700+/-328.706 χ^2/NDF:37.0/26

Out: -165.262+/-316.232 χ^2/NDF:22.6/31

All: -88.085+/-227.892 χ^2/NDF: 59.7/58



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

Left: 1314.186+/-0.208 χ^2/NDF: 2692.4/23

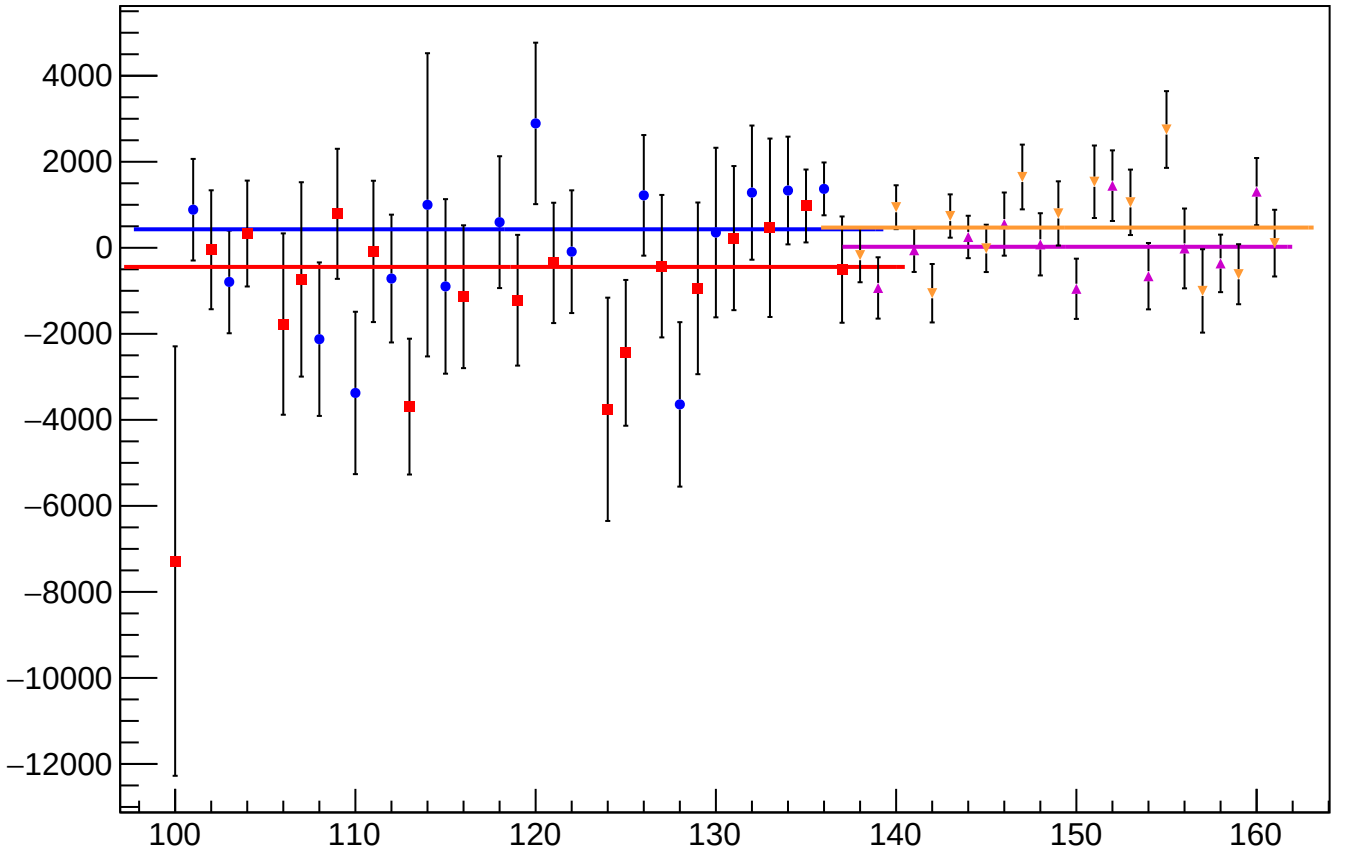
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1331.864+/-0.232 χ^2/NDF:769732.6/26

Out: 1327.429+/-0.224 χ^2/NDF:154134.7/31

All: 1329.561+/-0.161 χ^2/NDF: 924056.3/58

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 470.528+/-187.283 χ^2/NDF:24.3/12

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 23.694+/-204.158 χ^2/NDF:11.3/10

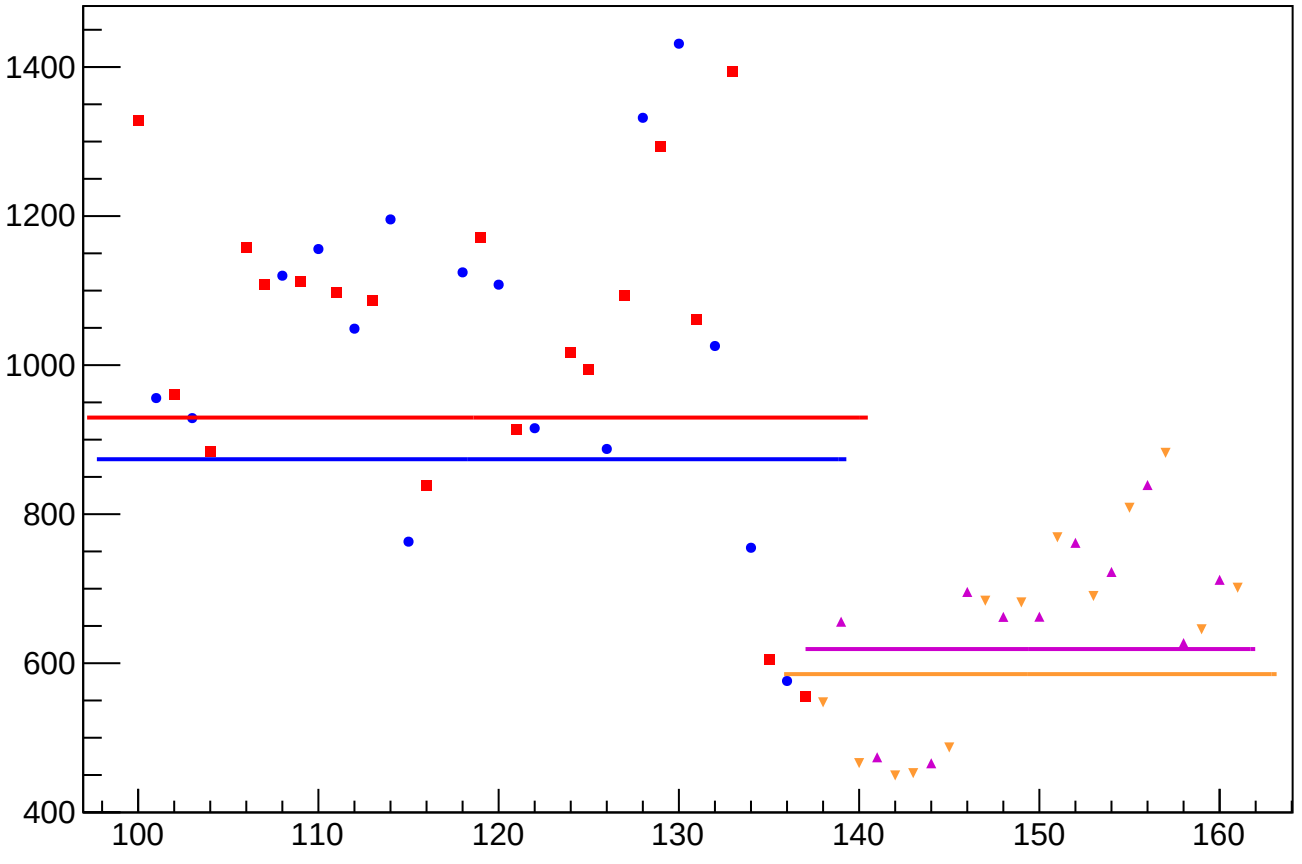
Left: 266.339+/-138.010 χ^2/NDF: 38.2/23

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 132.185+/-174.817 χ^2/NDF:30.6/26

Out: 271.816+/-165.705 χ^2/NDF:43.9/31

All: 205.734+/-120.264 χ^2/NDF: 74.8/58



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 585.385+/-0.132 χ^2/NDF:973030.0/12

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 619.011+/-0.144 χ^2/NDF:637191.5/10

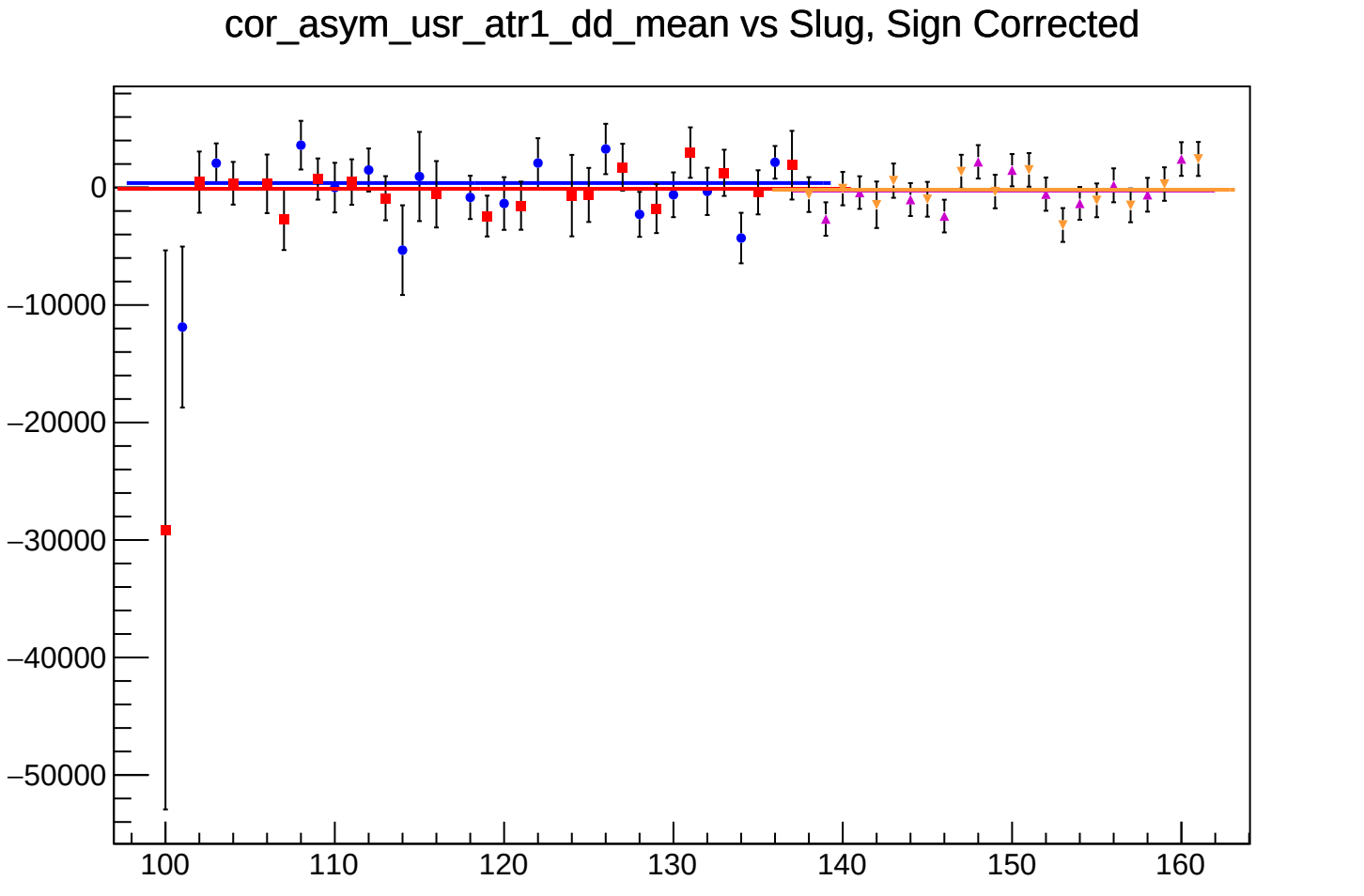
Left: 600.751+/-0.098 χ^2/NDF: 1639684.5/23

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 686.966+/-0.124 χ^2/NDF:2482632.1/26

Out: 660.140+/-0.117 χ^2/NDF:3300369.3/31

All: 672.836+/-0.085 χ^2/NDF: 5807808.3/58



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.062+/-407.721 χ^2/NDF:12.6/12

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -265.347+/-425.423 χ^2/NDF:14.5/10

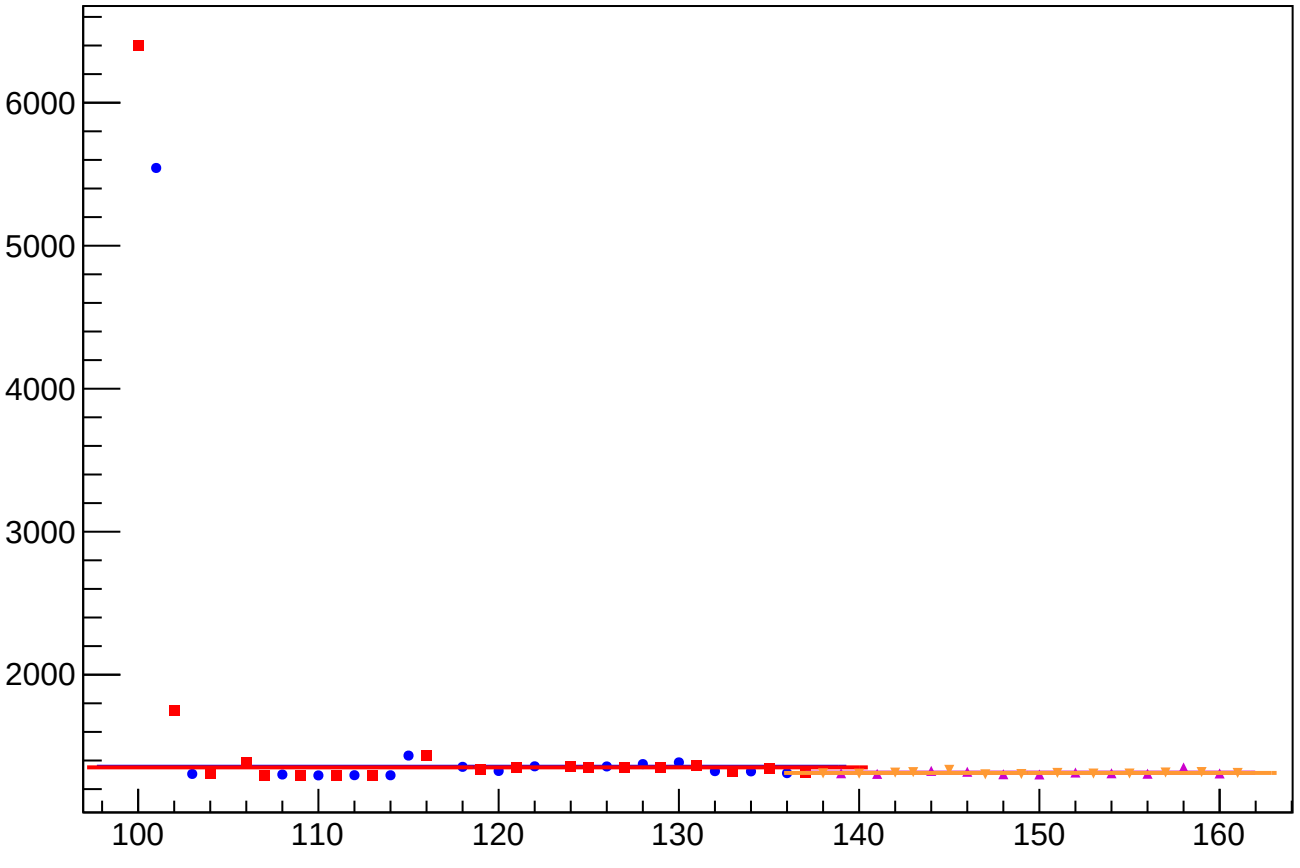
Left: -226.106+/-294.362 χ^2/NDF: 27.2/23

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -4.580+/-328.706 χ^2/NDF:37.0/26

Out: -158.405+/-316.660 χ^2/NDF:22.7/31

All: -84.363+/-228.052 χ^2/NDF: 59.7/58



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

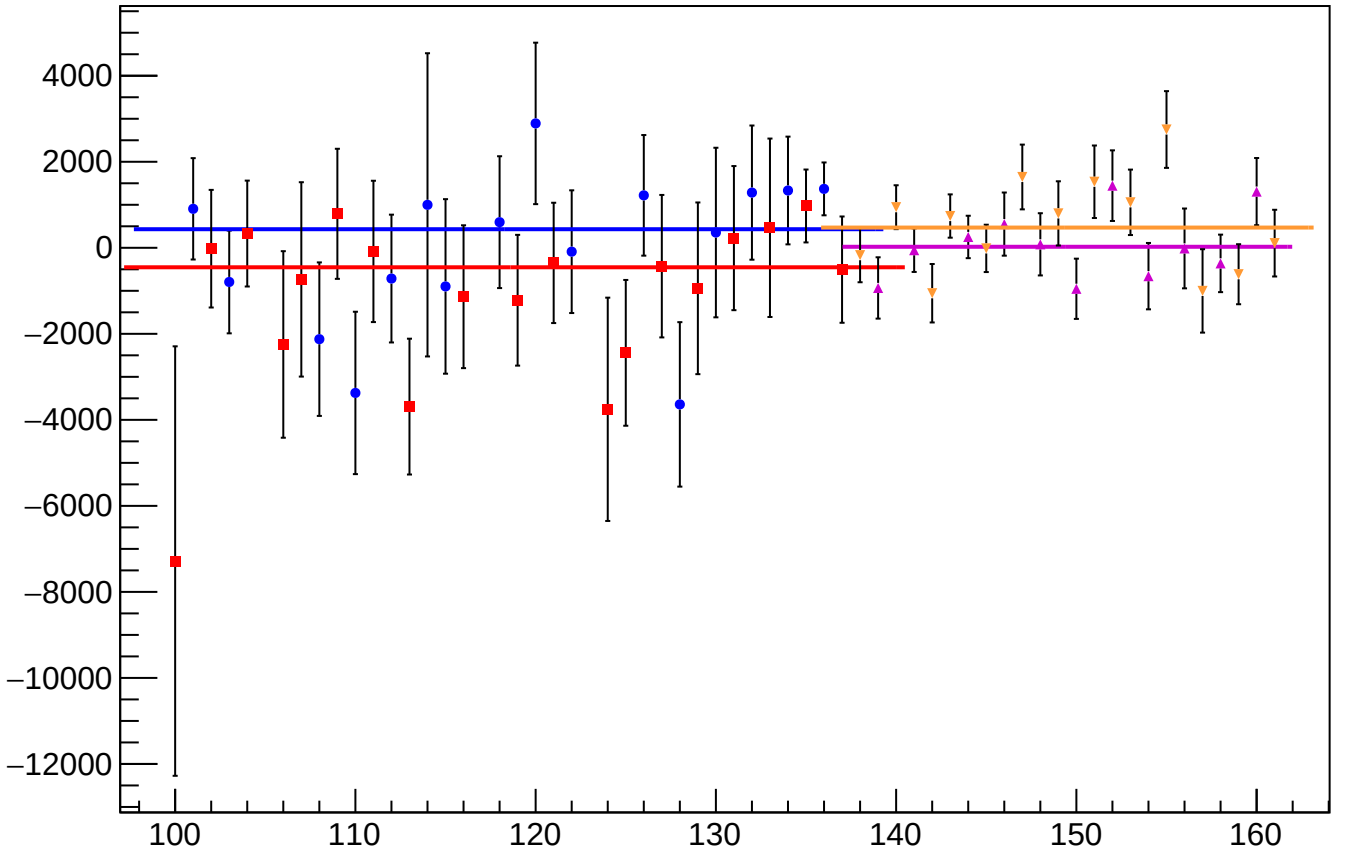
Left: 1314.186+/-0.208 χ^2/NDF: 2692.4/23

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1331.864+/-0.232 χ^2/NDF:769731.6/26

Out: 1328.604+/-0.224 χ^2/NDF:155279.6/31

All: 1330.174+/-0.161 χ^2/NDF: 925113.2/58



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 470.460+/-187.283 χ^2/NDF:24.3/12

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 23.742+/-204.156 χ^2/NDF:11.3/10

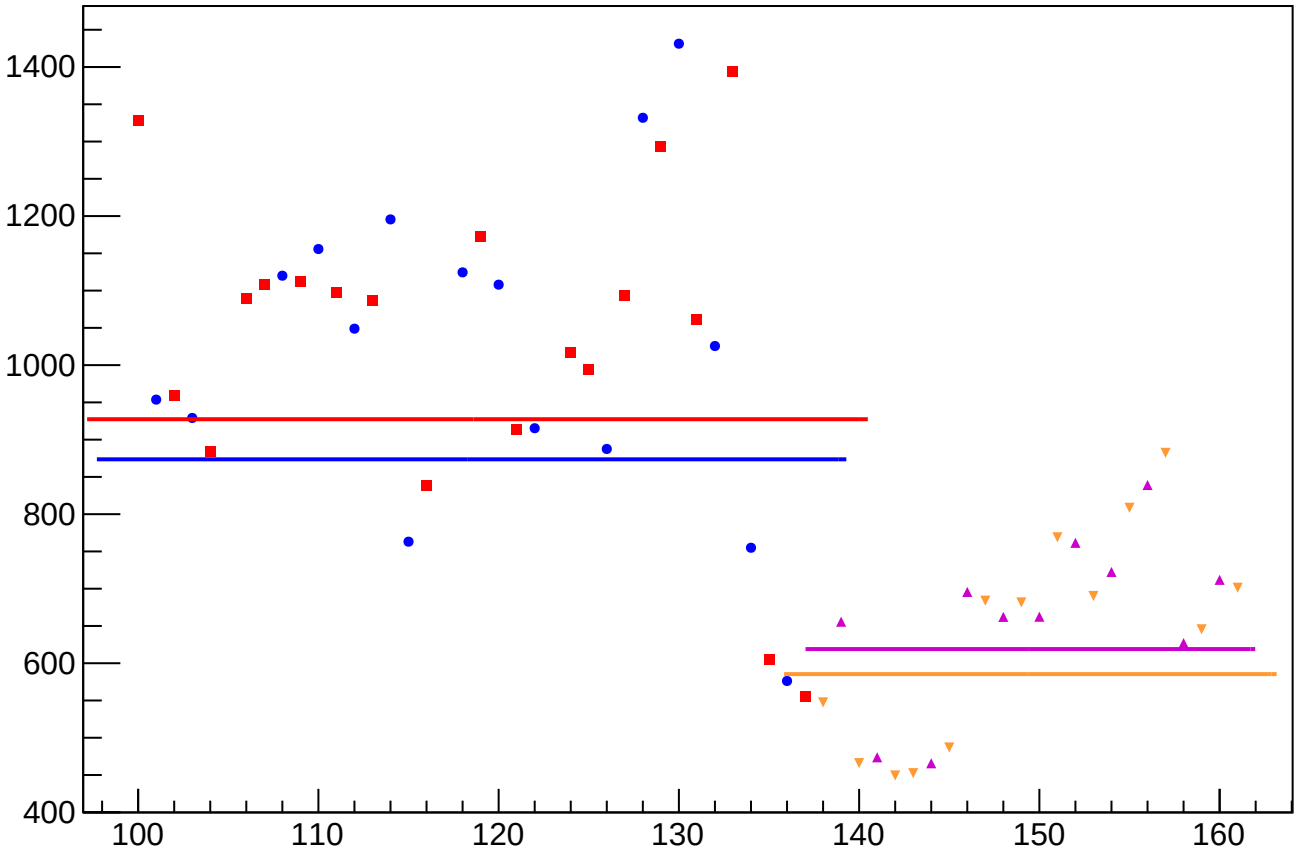
Left: 266.321+/-138.009 χ^2/NDF: 38.2/23

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 132.718+/-174.808 χ^2/NDF:30.6/26

Out: 269.924+/-165.706 χ^2/NDF:44.3/31

All: 204.986+/-120.261 χ^2/NDF: 75.2/58



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 585.387+/-0.132 χ^2/NDF:972982.5/12

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

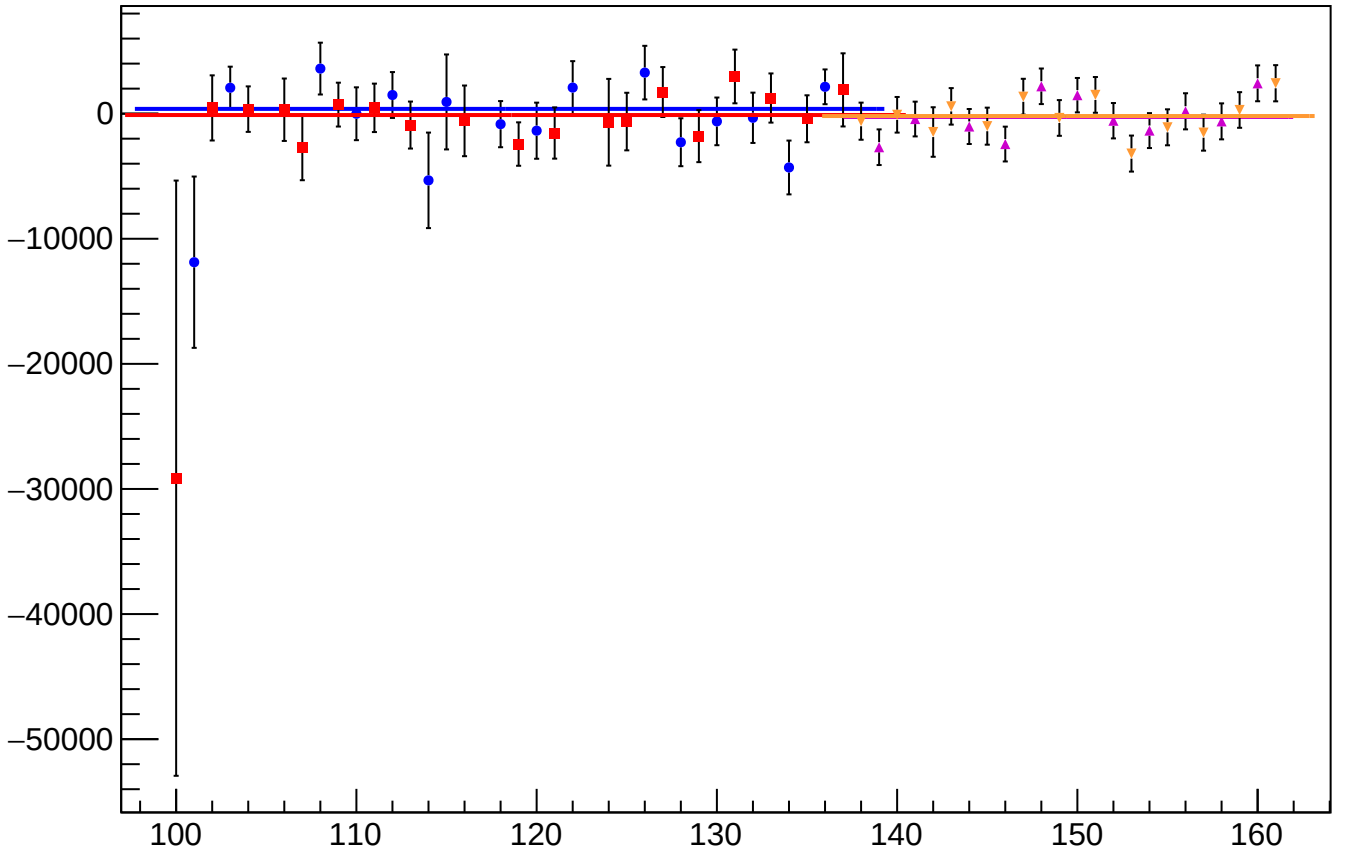
Left: 600.749+/-0.098 χ^2/NDF: 1639673.2/23

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.942+/-0.124 χ^2/NDF:2481665.7/26

Out: 659.656+/-0.117 χ^2/NDF:3268770.3/31

All: 672.570+/-0.085 χ^2/NDF: 5776101.7/58



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.062+/-407.721 χ^2/NDF:12.6/12

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -265.347+/-425.423 χ^2/NDF:14.5/10

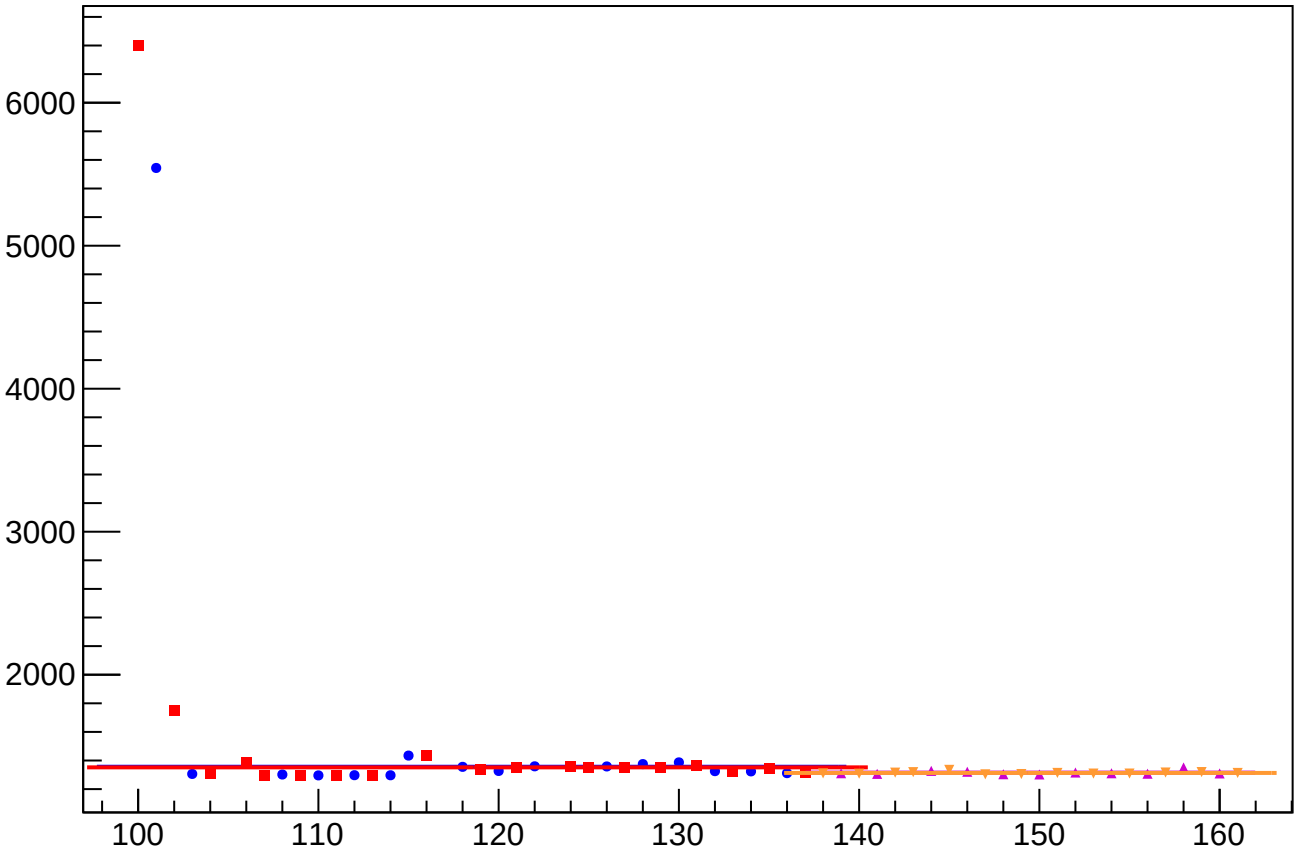
Left: -226.106+/-294.362 χ^2/NDF: 27.2/23

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -4.580+/-328.706 χ^2/NDF:37.0/26

Out: -158.405+/-316.660 χ^2/NDF:22.7/31

All: -84.363+/-228.052 χ^2/NDF: 59.7/58



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

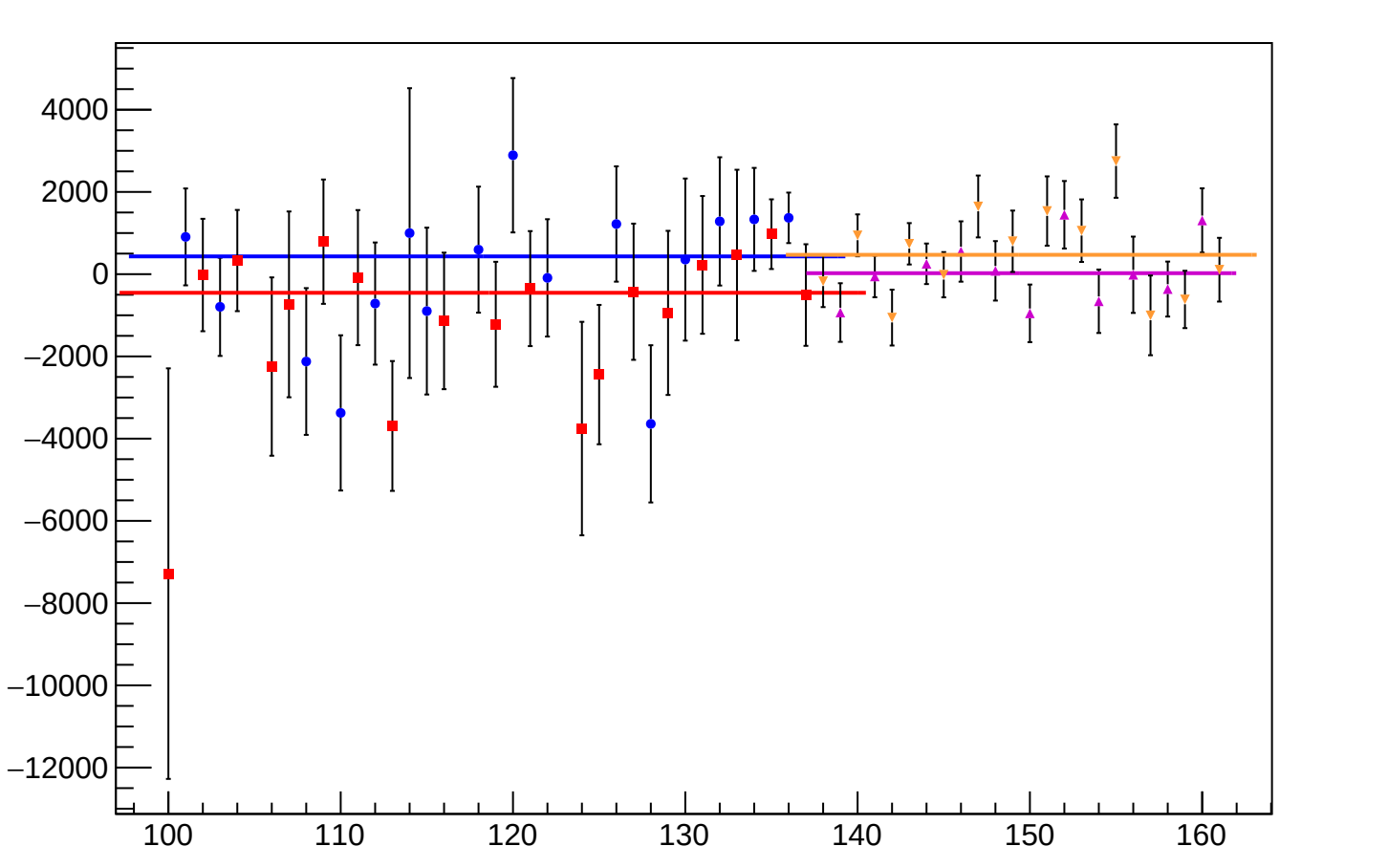
Left: 1314.186+/-0.208 χ^2/NDF: 2692.4/23

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1331.864+/-0.232 χ^2/NDF:769731.6/26

Out: 1328.604+/-0.224 χ^2/NDF:155279.6/31

All: 1330.174+/-0.161 χ^2/NDF: 925113.2/58



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 470.460+/-187.283 χ^2/NDF:24.3/12

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 23.742+/-204.156 χ^2/NDF:11.3/10

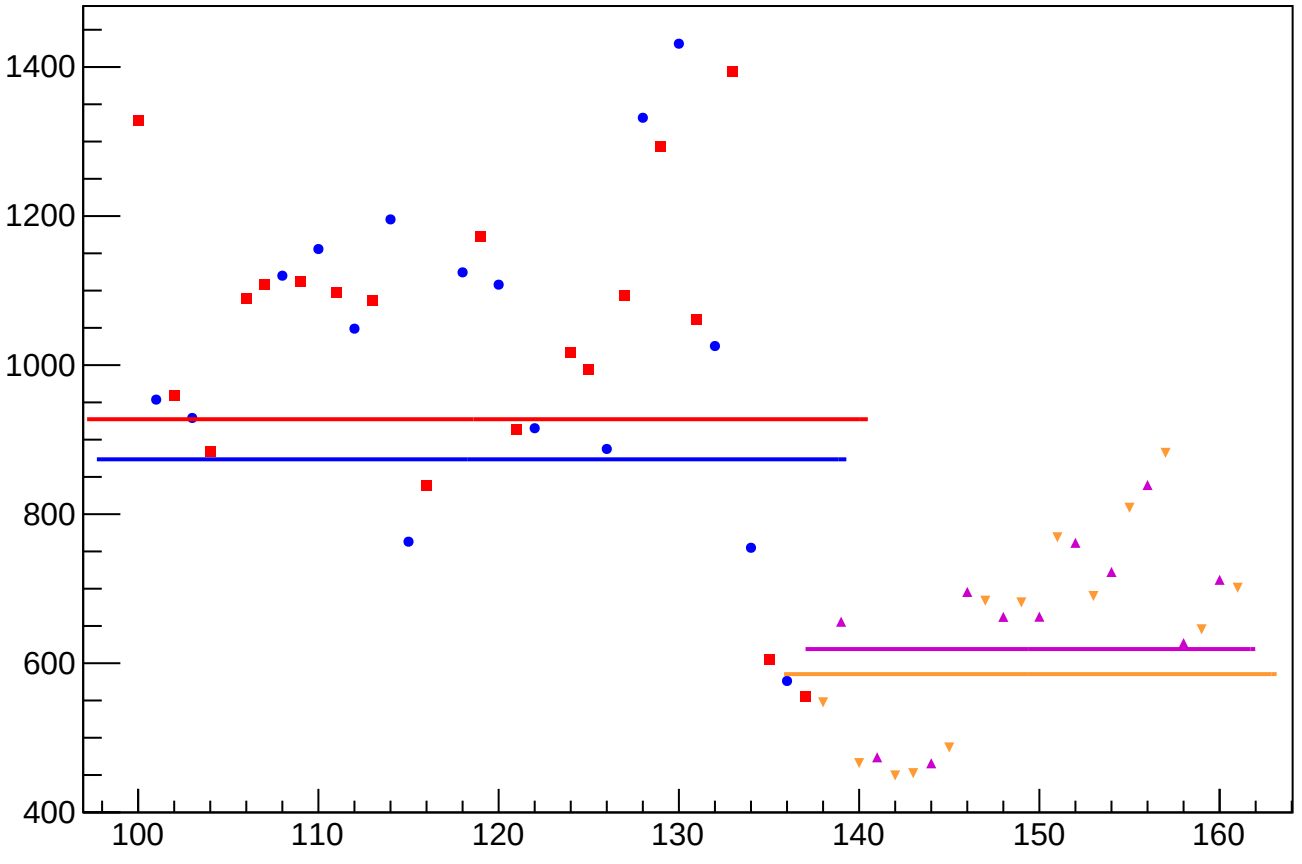
Left: 266.321+/-138.009 χ^2/NDF: 38.2/23

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 132.718+/-174.808 χ^2/NDF:30.6/26

Out: 269.924+/-165.706 χ^2/NDF:44.3/31

All: 204.986+/-120.261 χ^2/NDF: 75.2/58



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 585.387+/-0.132 χ^2/NDF:972982.5/12

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

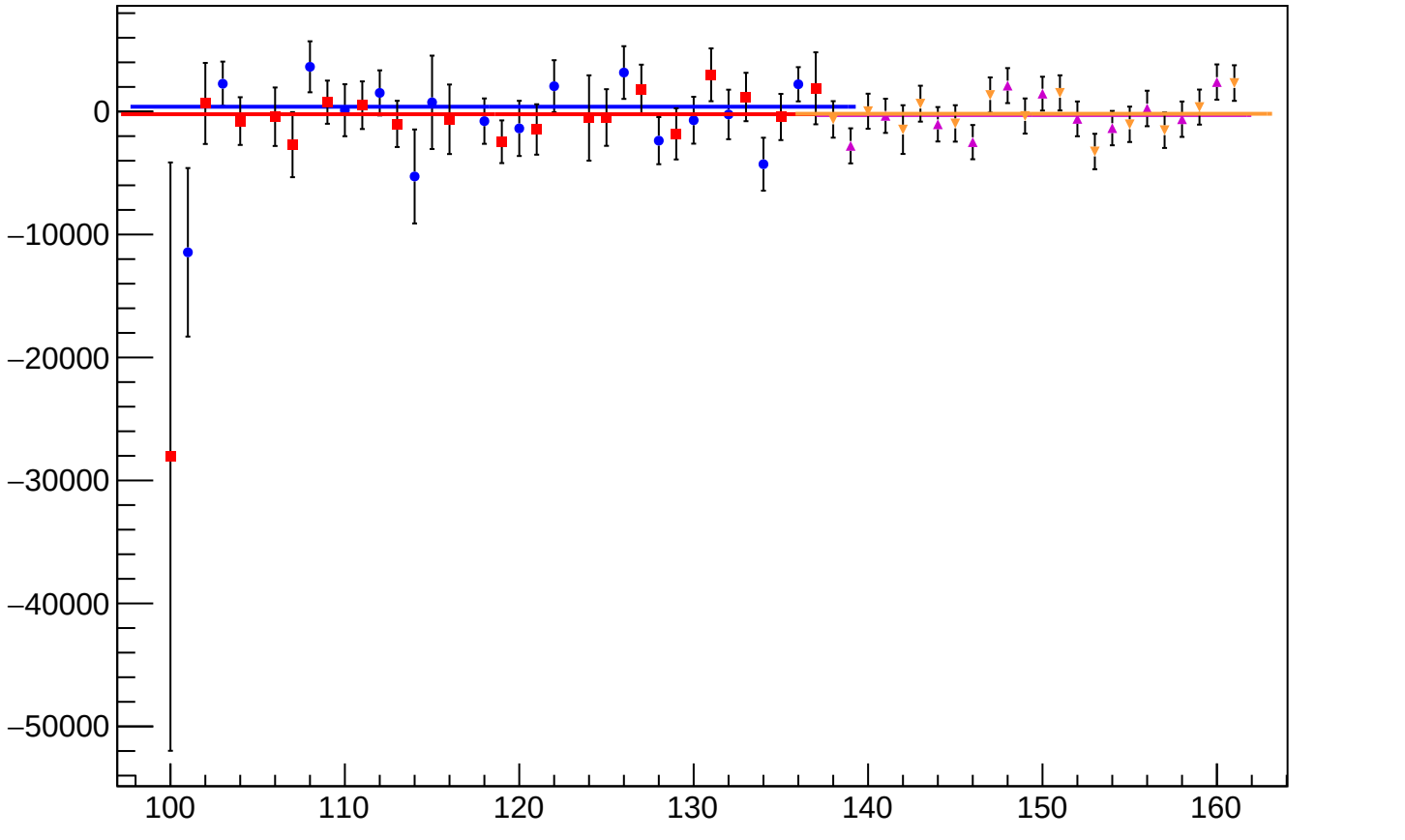
Left: 600.749+/-0.098 χ^2/NDF: 1639673.2/23

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.942+/-0.124 χ^2/NDF:2481665.7/26

Out: 659.656+/-0.117 χ^2/NDF:3268770.3/31

All: 672.570+/-0.085 χ^2/NDF: 5776101.7/58



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -182.485+/-408.034 χ^2/NDF:12.6/12

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -282.478+/-425.707 χ^2/NDF:14.6/10

Left: -230.363+/-294.573 χ^2/NDF: 27.2/23

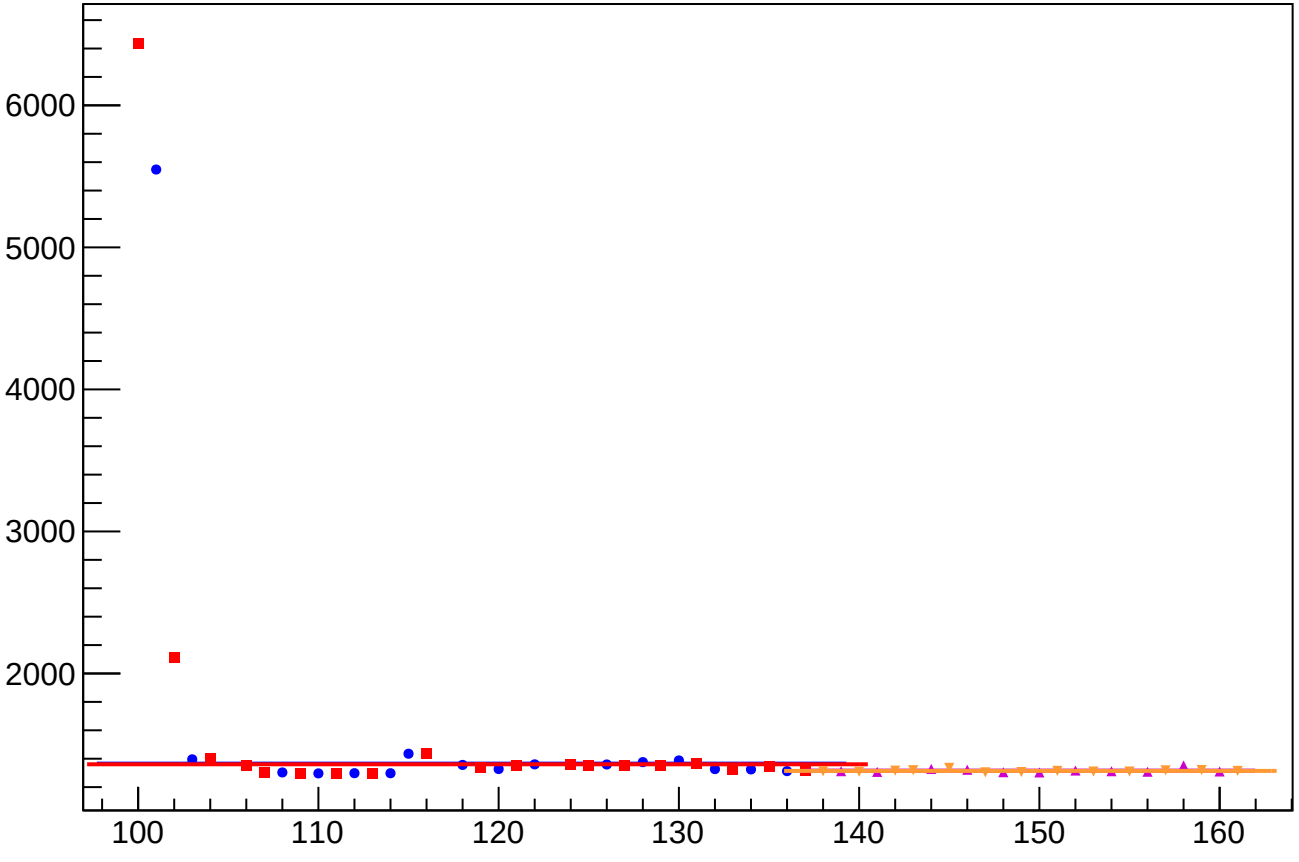
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -13.368+/-329.695 χ^2/NDF:37.0/26

Out: -196.487+/-318.103 χ^2/NDF:22.5/31

All: -108.203+/-228.921 χ^2/NDF: 59.7/58

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.289 χ^2/NDF:718.0/12

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

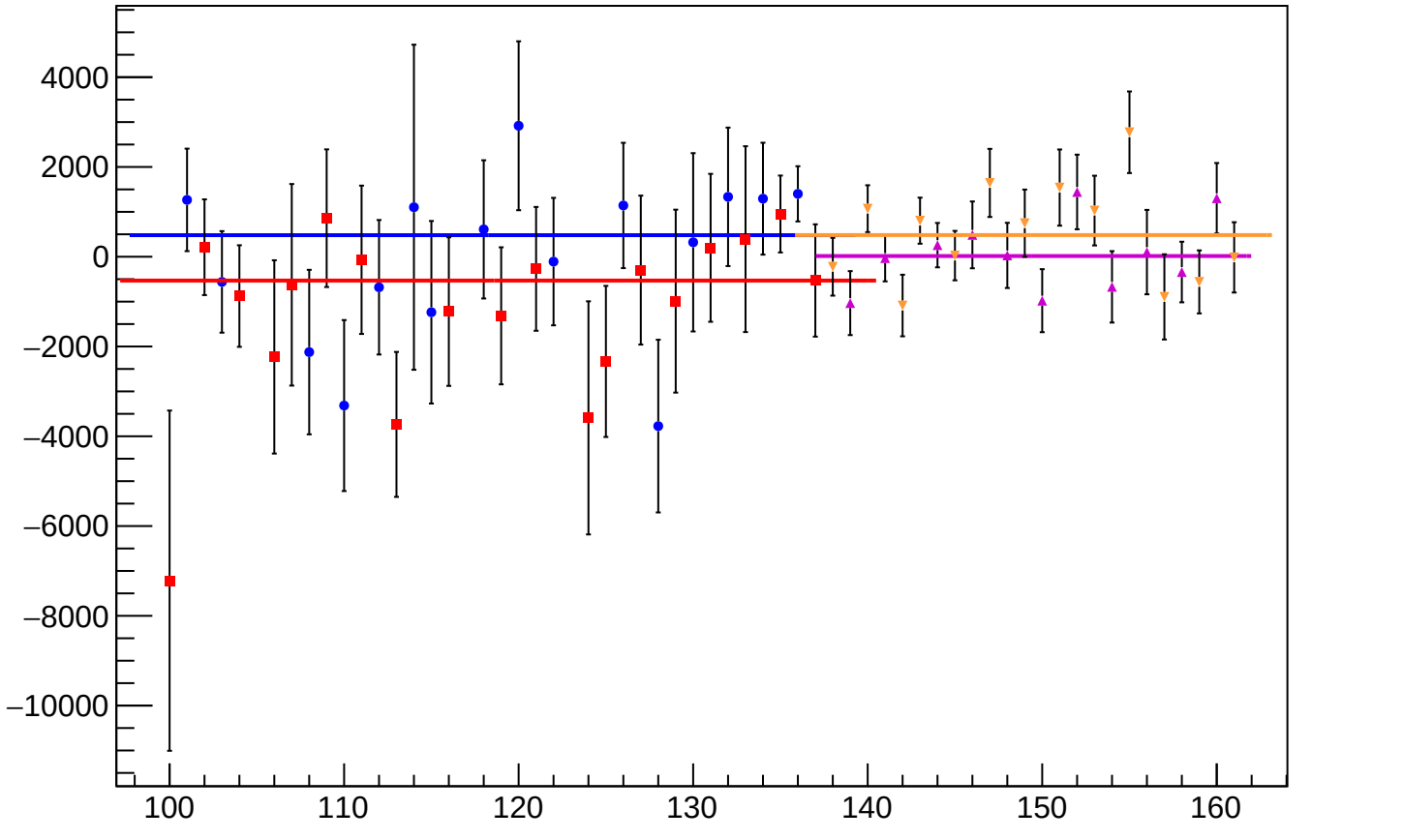
Left: 1315.130+/-0.208 χ^2/NDF: 2688.1/23

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1335.839+/-0.233 χ^2/NDF:771548.8/26

Out: 1332.445+/-0.225 χ^2/NDF:216267.4/31

All: 1334.081+/-0.162 χ^2/NDF: 987926.0/58



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 482.943+/-189.497 χ^2/NDF:24.4/12

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: 15.813+/-206.339 χ^2/NDF:11.5/10

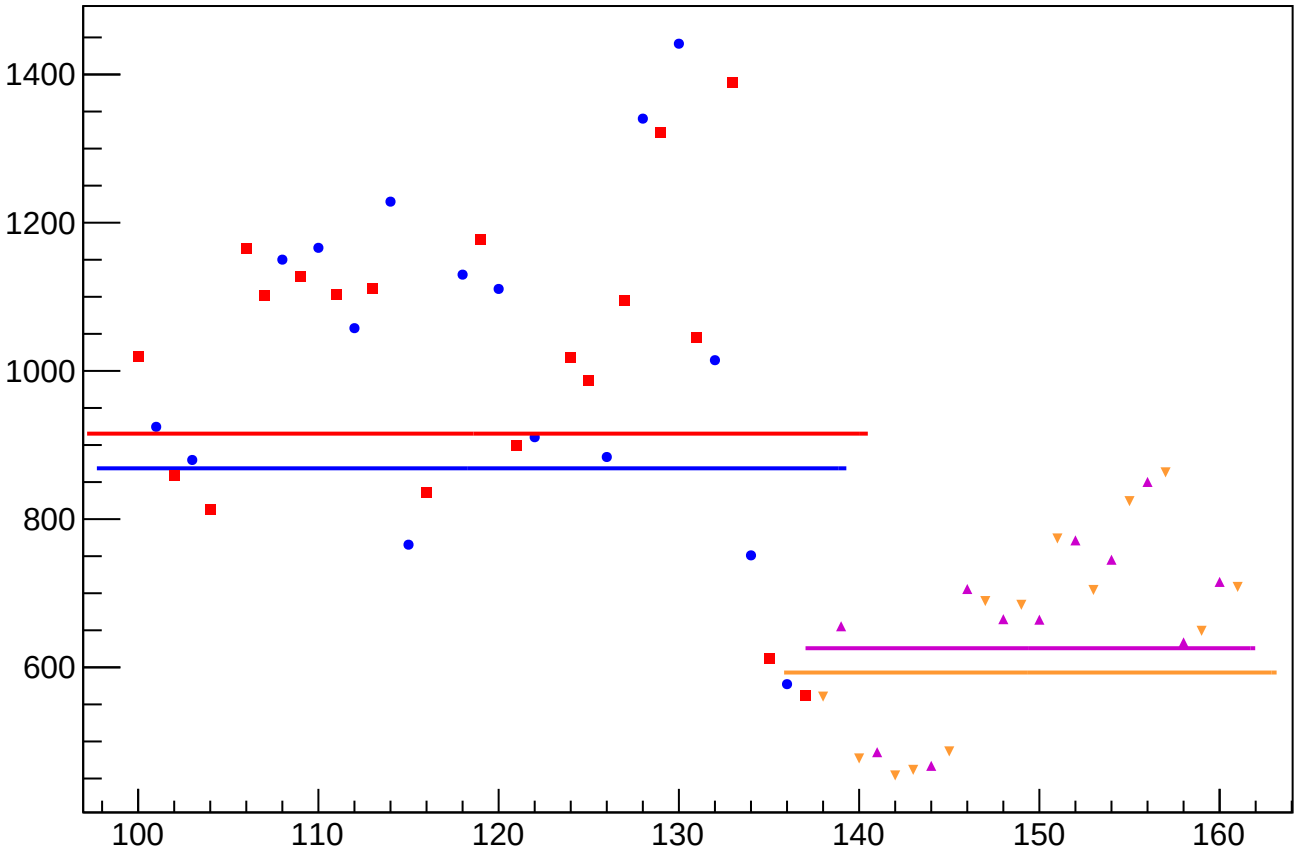
Left: 269.217+/-139.569 χ^2/NDF: 38.6/23

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 142.754+/-175.905 χ^2/NDF:31.5/26

Out: 249.201+/-166.215 χ^2/NDF:46.6/31

All: 198.991+/-120.812 χ^2/NDF: 78.3/58



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 593.015+/-0.134 χ^2/NDF:933069.4/12

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 625.815+/-0.146 χ^2/NDF:637394.7/10

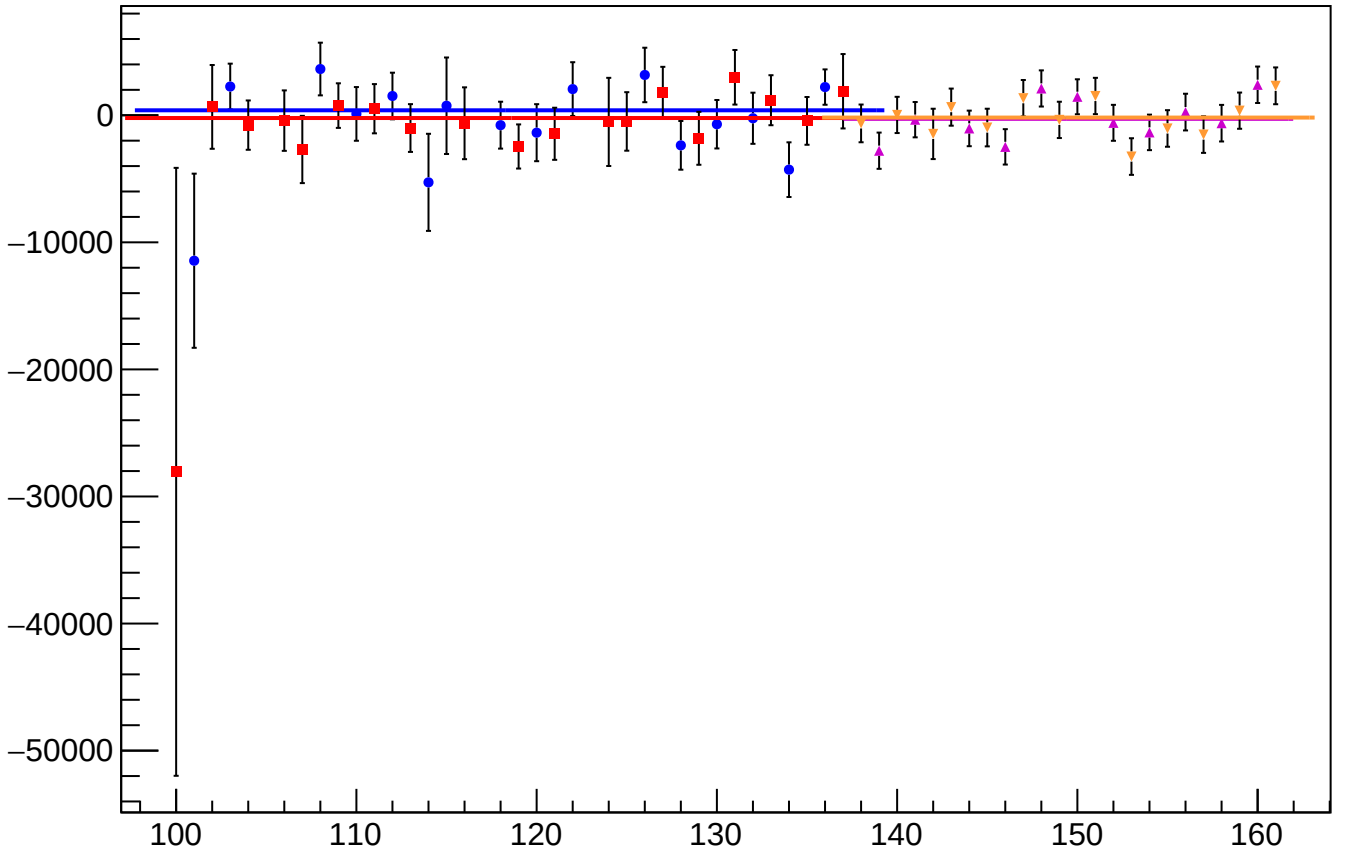
Left: 608.022+/-0.099 χ^2/NDF: 1597879.5/23

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 692.144+/-0.124 χ^2/NDF:2415124.6/26

Out: 667.358+/-0.118 χ^2/NDF:3126698.1/31

All: 679.050+/-0.085 χ^2/NDF: 5562800.7/58



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -182.487+/-408.034 χ^2/NDF:12.6/12

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -282.477+/-425.707 χ^2/NDF:14.6/10

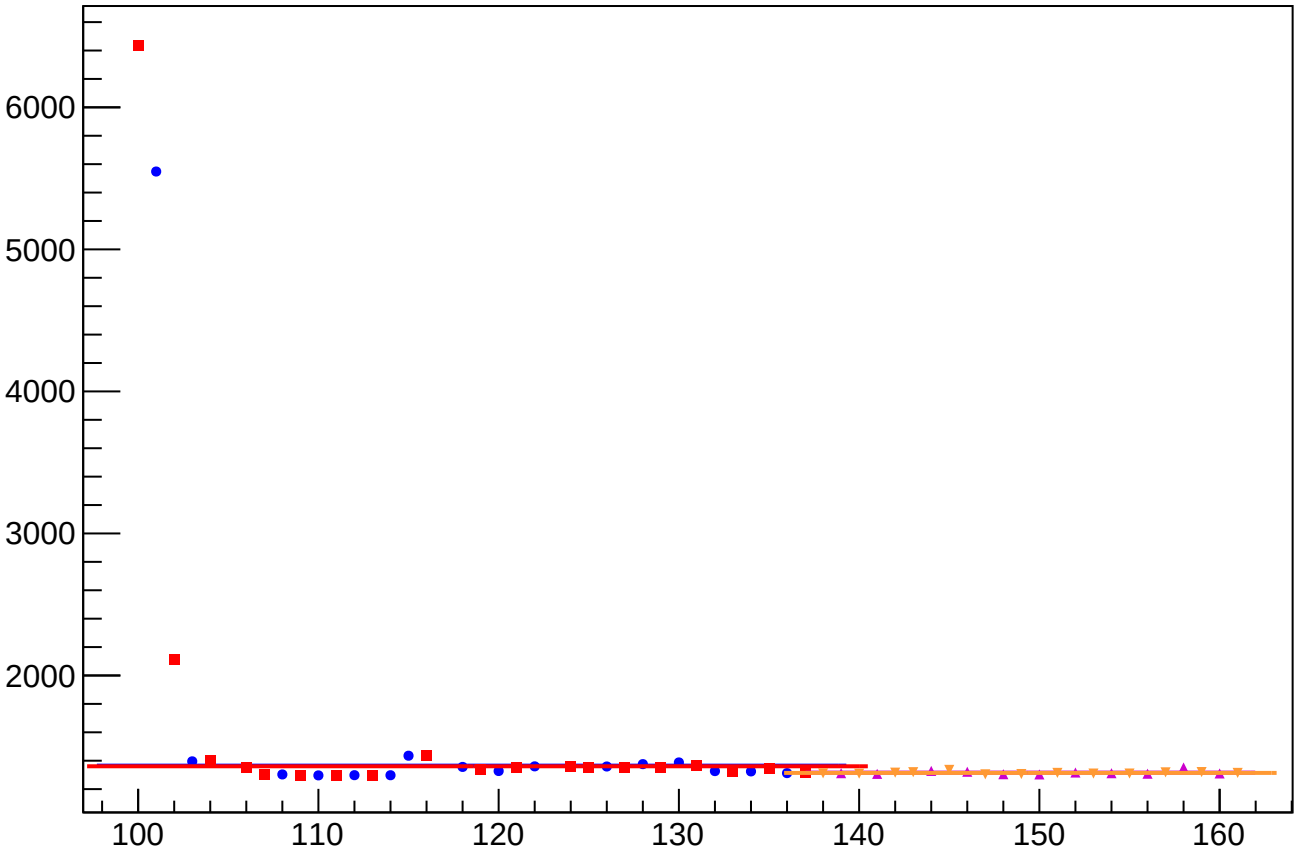
Left: -230.363+/-294.573 χ^2/NDF: 27.2/23

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -13.368+/-329.695 χ^2/NDF:37.0/26

Out: -196.488+/-318.103 χ^2/NDF:22.5/31

All: -108.203+/-228.921 χ^2/NDF: 59.7/58



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.289 χ^2/NDF:718.0/12

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

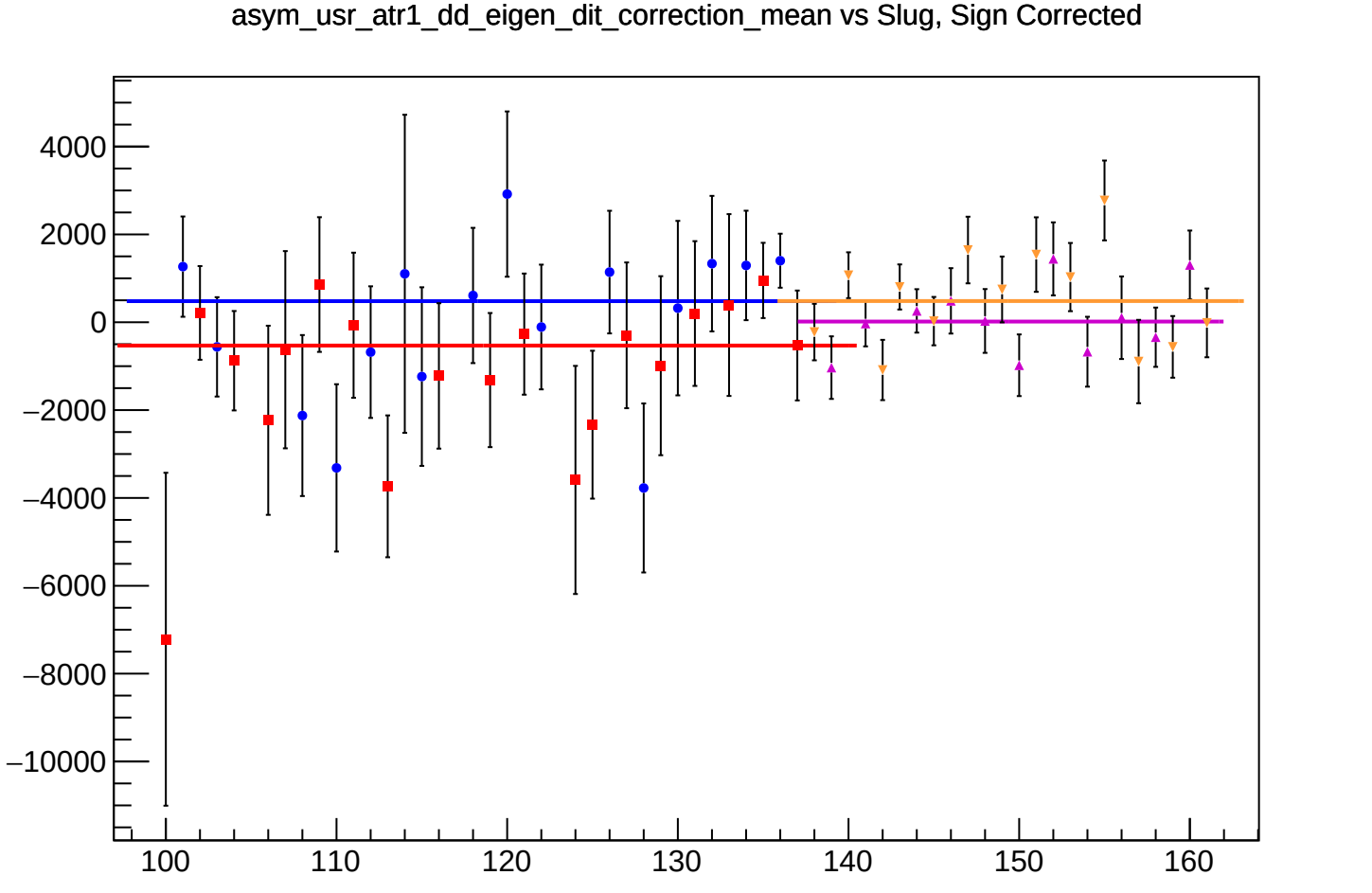
Left: 1315.130+/-0.208 χ^2/NDF: 2688.1/23

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

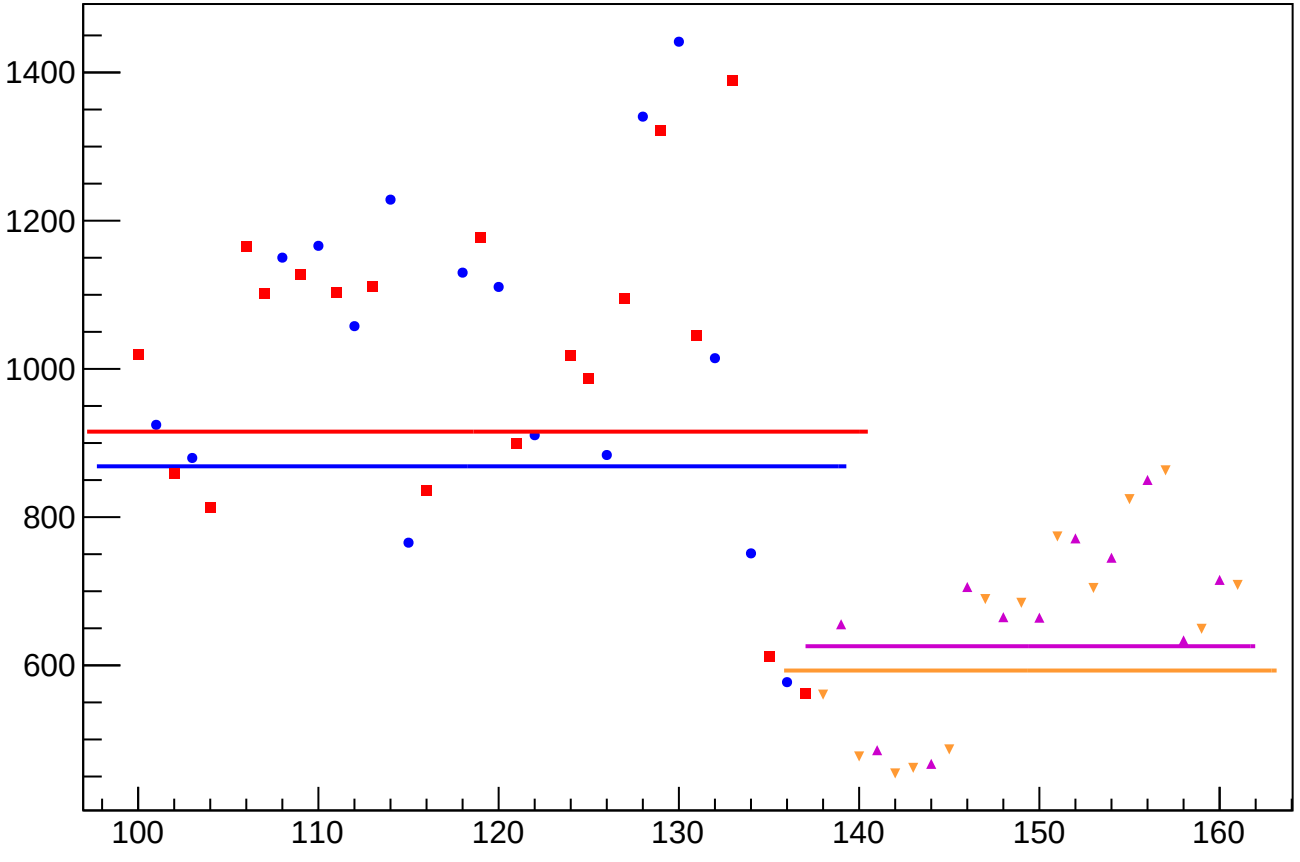
In: 1335.839+/-0.233 χ^2/NDF:771548.8/26

Out: 1332.445+/-0.225 χ^2/NDF:216267.3/31

All: 1334.081+/-0.162 χ^2/NDF: 987925.9/58


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 482.944+/-189.497 χ²/NDF:24.4/12
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: 15.813+/-206.339 χ²/NDF:11.5/10
Left: 269.218+/-139.570 χ²/NDF: 38.6/23
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 142.755+/-175.905 χ²/NDF:31.5/26
Out: 249.201+/-166.215 χ²/NDF:46.6/31
All: 198.991+/-120.812 χ²/NDF: 78.3/58

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: 593.015+/-0.134 χ^2/NDF:933083.8/12

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 625.816+/-0.146 χ^2/NDF:637401.5/10

Left: 608.022+/-0.099 χ^2/NDF: 1597902.1/23

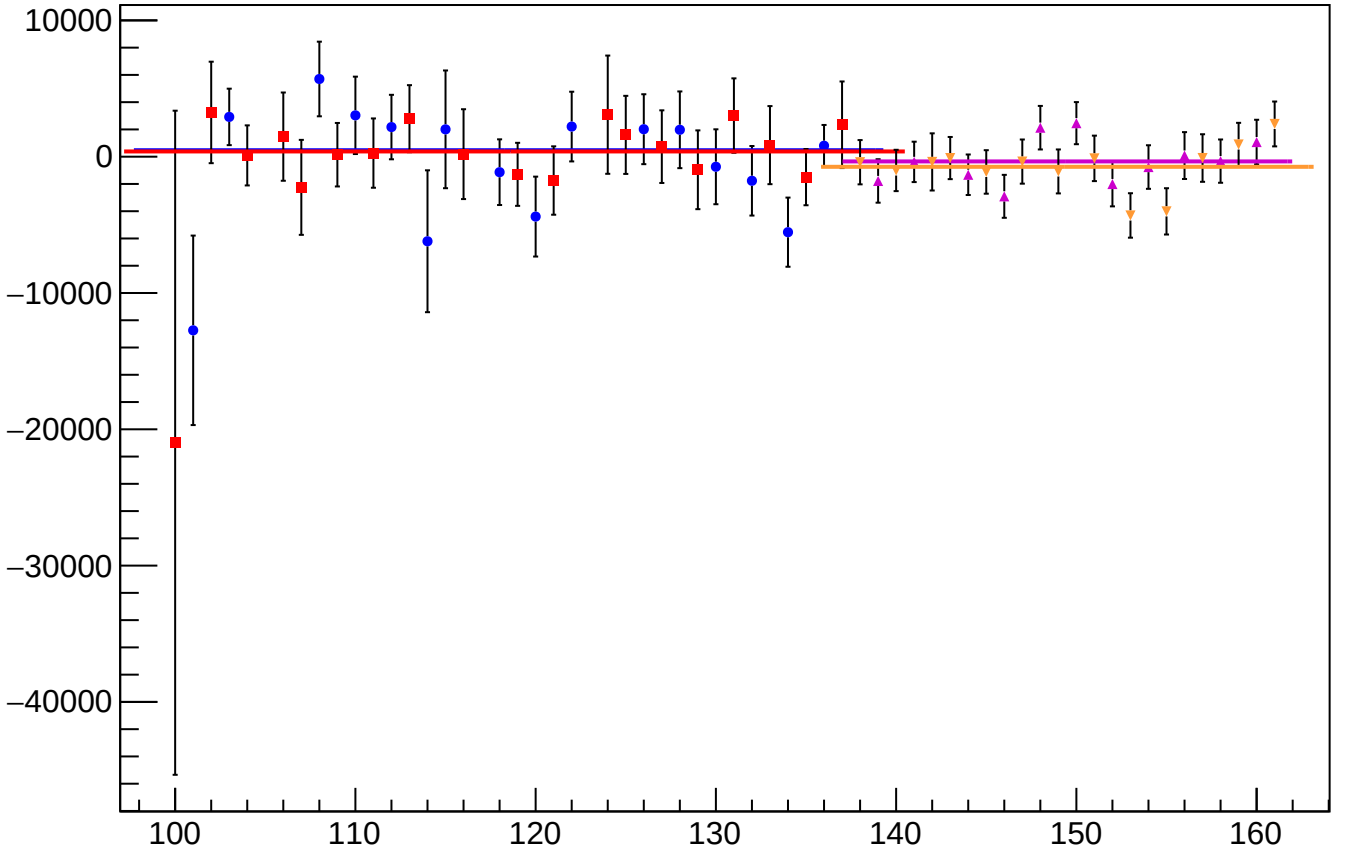
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 692.145+/-0.124 χ^2/NDF:2415111.0/26

Out: 667.358+/-0.118 χ^2/NDF:3126700.1/31

All: 679.050+/-0.085 χ^2/NDF: 5562790.0/58

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -742.601+/-456.670 χ^2/NDF:13.9/12

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -346.965+/-477.341 χ^2/NDF:11.5/10

Left: -553.535+/-329.980 χ^2/NDF: 25.8/23

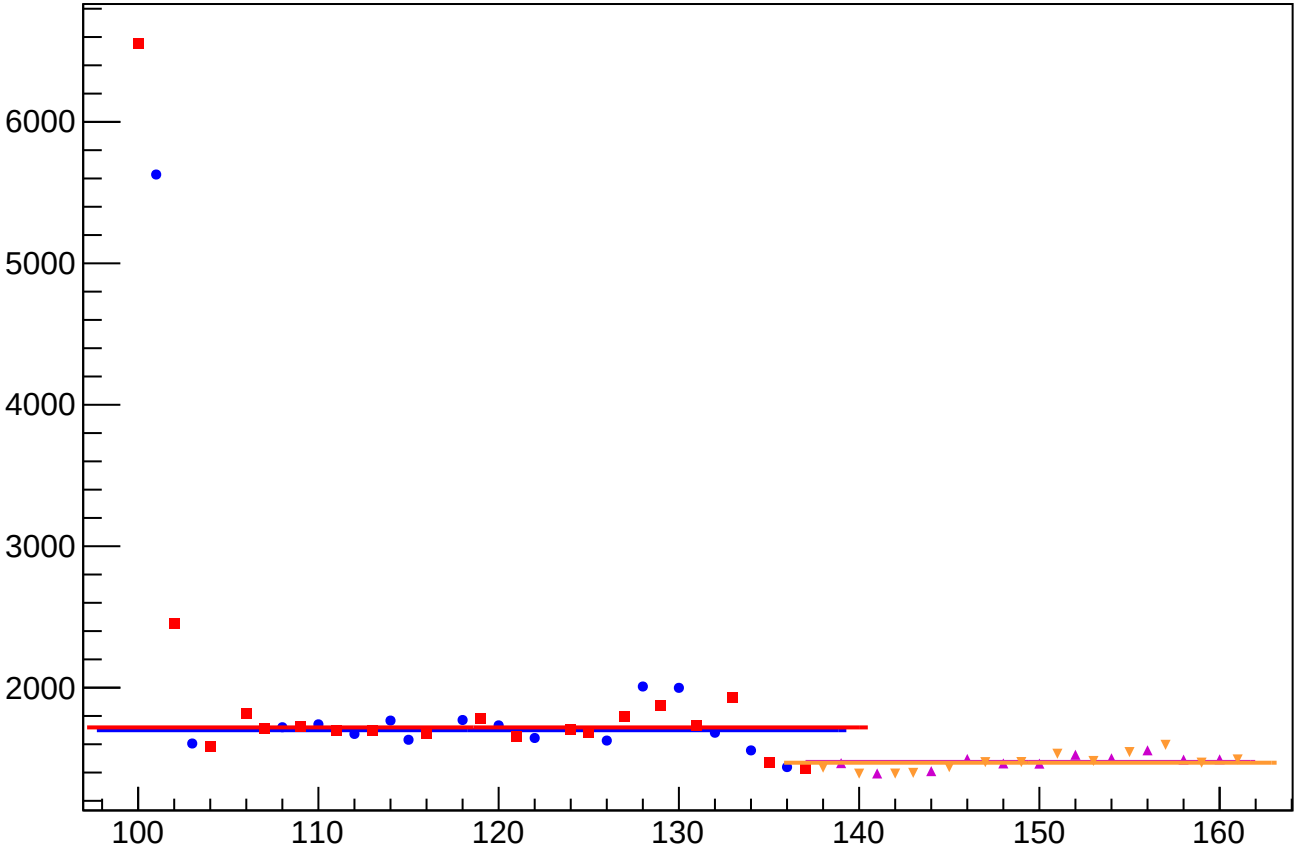
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -59.078+/-384.583 χ^2/NDF:35.2/26

Out: -363.815+/-372.127 χ^2/NDF:23.2/31

All: -216.461+/-267.429 χ^2/NDF: 58.8/58

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1469.490+/-0.323 χ^2/NDF:31740.5/12

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1475.061+/-0.338 χ^2/NDF:17961.7/10

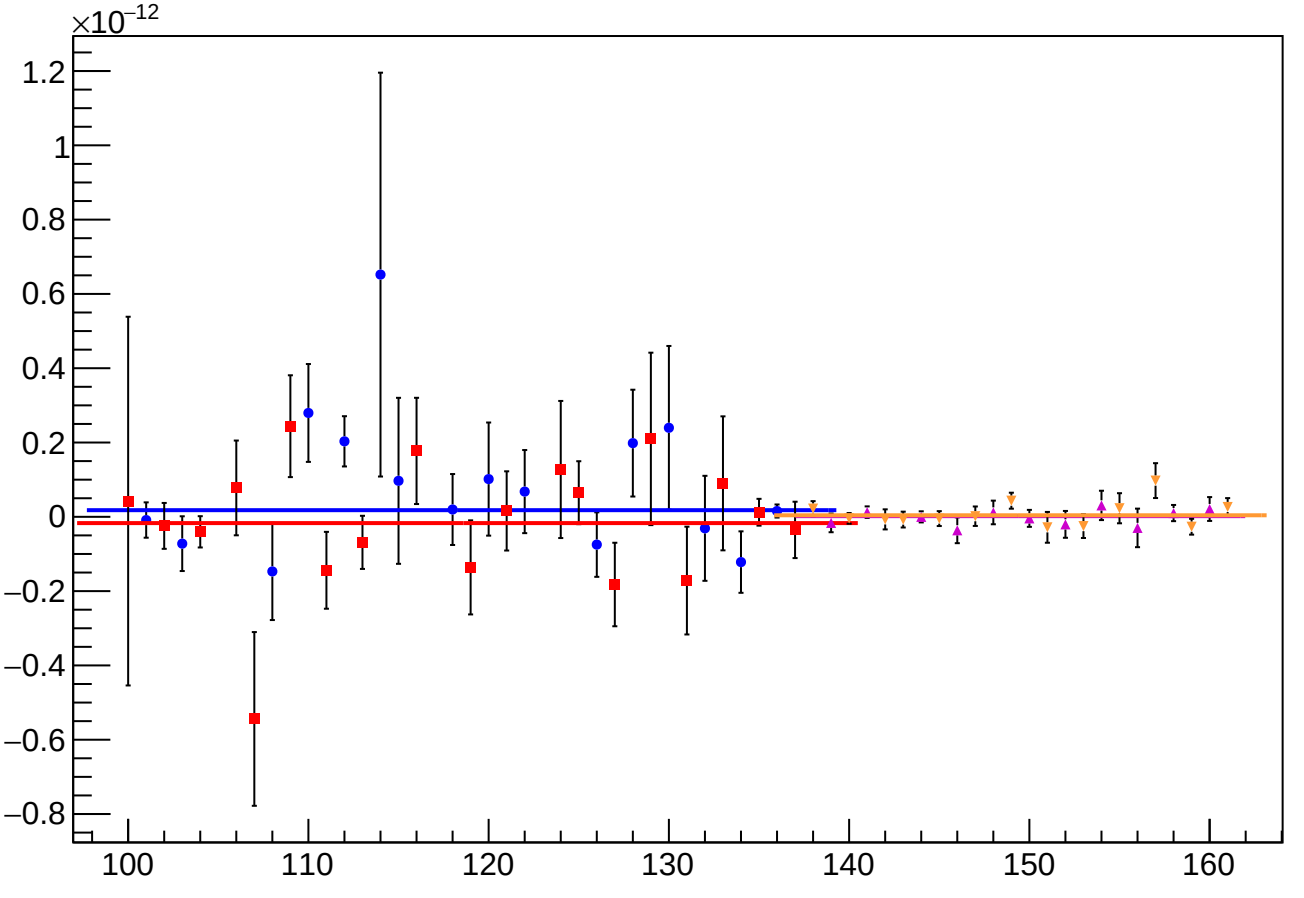
Left: 1472.152+/-0.233 χ^2/NDF: 49844.4/23

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1553.753+/-0.272 χ^2/NDF:934967.8/26

Out: 1553.357+/-0.263 χ^2/NDF:466252.6/31

All: 1553.549+/-0.189 χ^2/NDF: 1401221.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/10

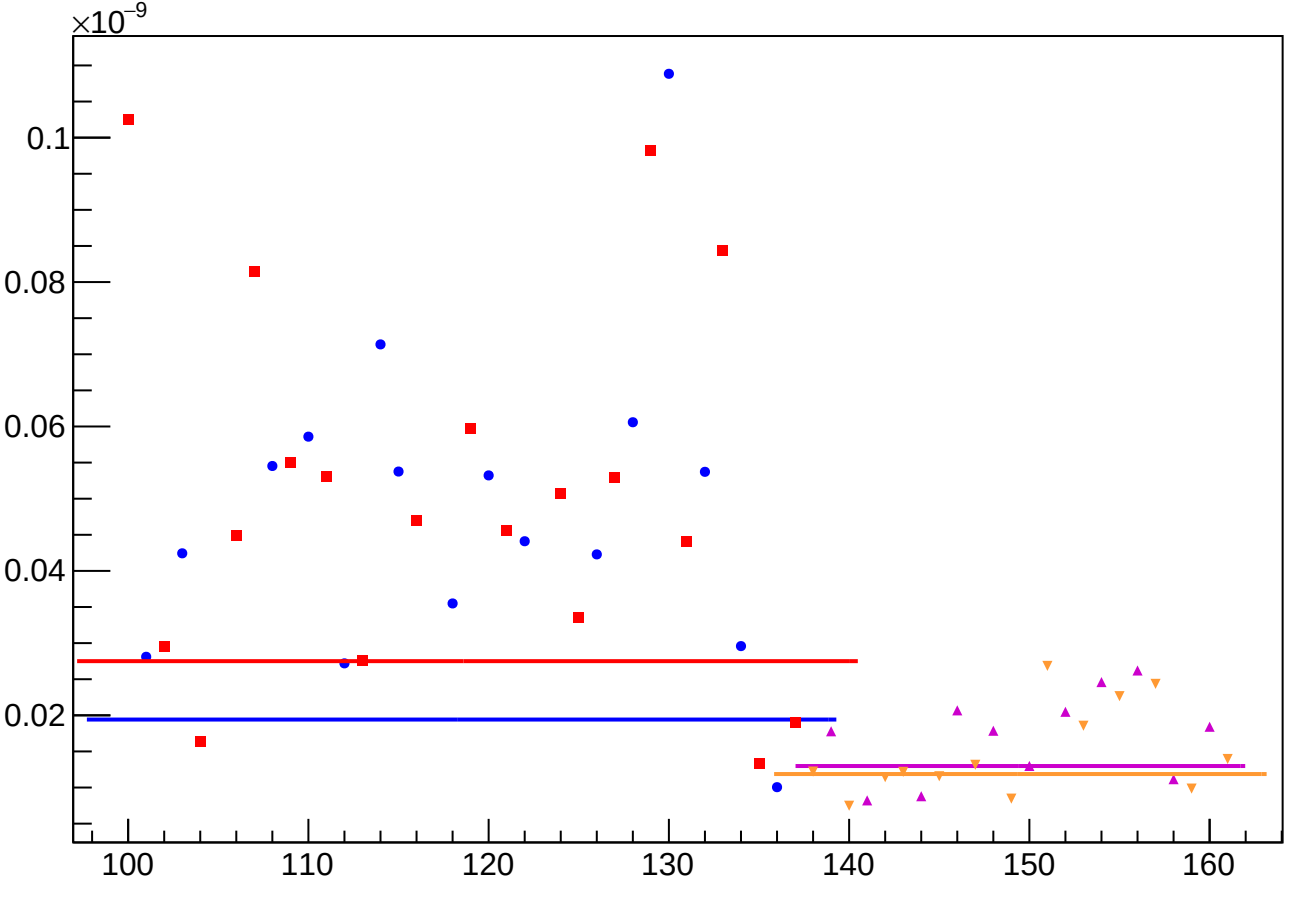
Left: 0.000+/-0.000 χ^2/NDF: 17.9/23

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:28.7/26

Out: 0.000+/-0.000 χ^2/NDF:36.1/31

All: 0.000+/-0.000 χ^2/NDF: 65.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:908731.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1024823.0/10

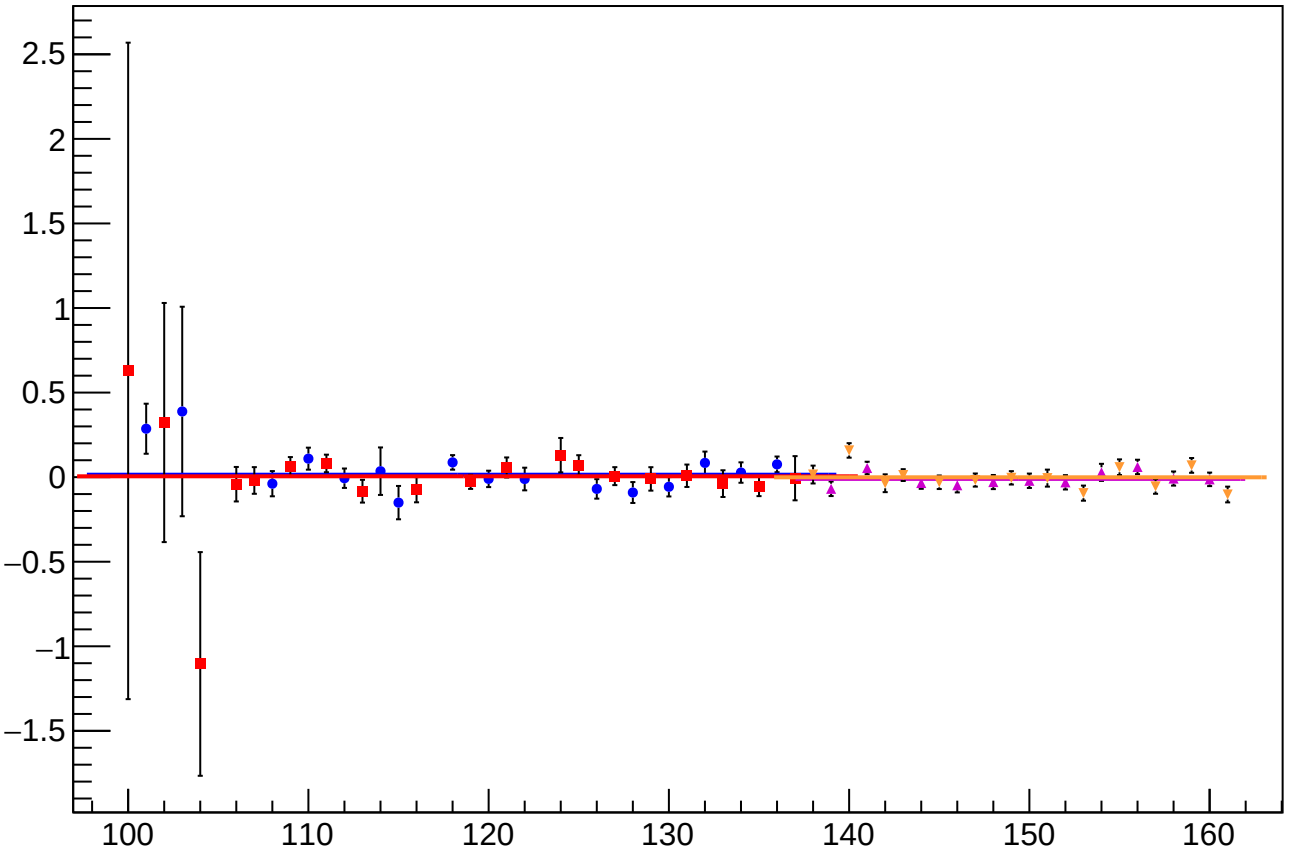
Left: 0.000+/-0.000 χ^2/NDF: 1959366.4/23

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3618149.0/26

Out: 0.000+/-0.000 χ^2/NDF:3758565.1/31

All: 0.000+/-0.000 χ^2/NDF: 7392733.5/58



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/10

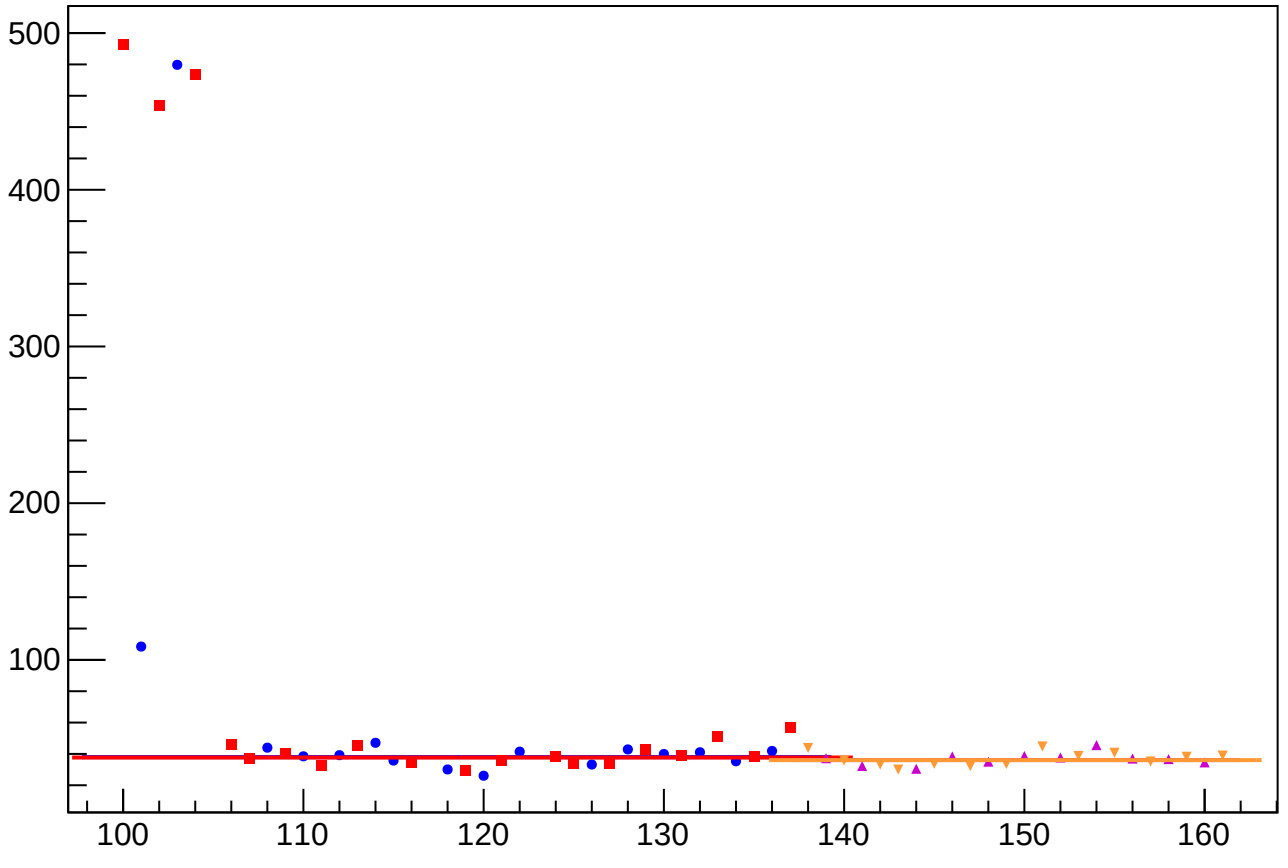
Left: -0.005+/-0.009 χ^2/NDF: 40.3/23

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.001+/-0.010 χ^2/NDF:45.0/31

All: 0.000+/-0.007 χ^2/NDF: 78.5/58



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.041+/-0.009 χ^2/NDF:243879.7/12

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

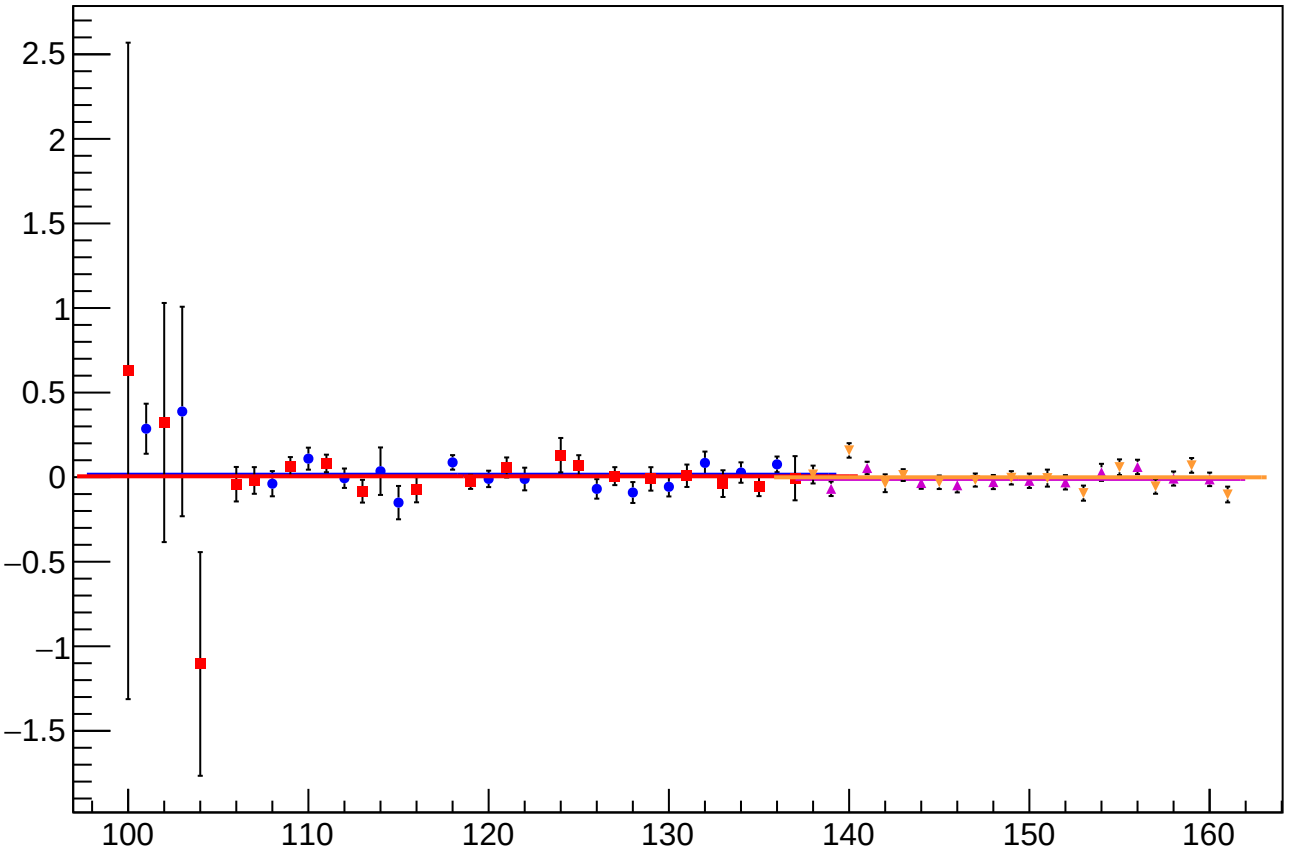
Left: 36.061+/-0.006 χ^2/NDF: 411116.9/23

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.786+/-0.007 χ^2/NDF:1923839.6/26

Out: 36.638+/-0.007 χ^2/NDF:2202355.4/31

All: 36.711+/-0.005 χ^2/NDF: 4126426.0/58



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/10

Left: -0.005+/-0.009 χ^2/NDF: 40.3/23

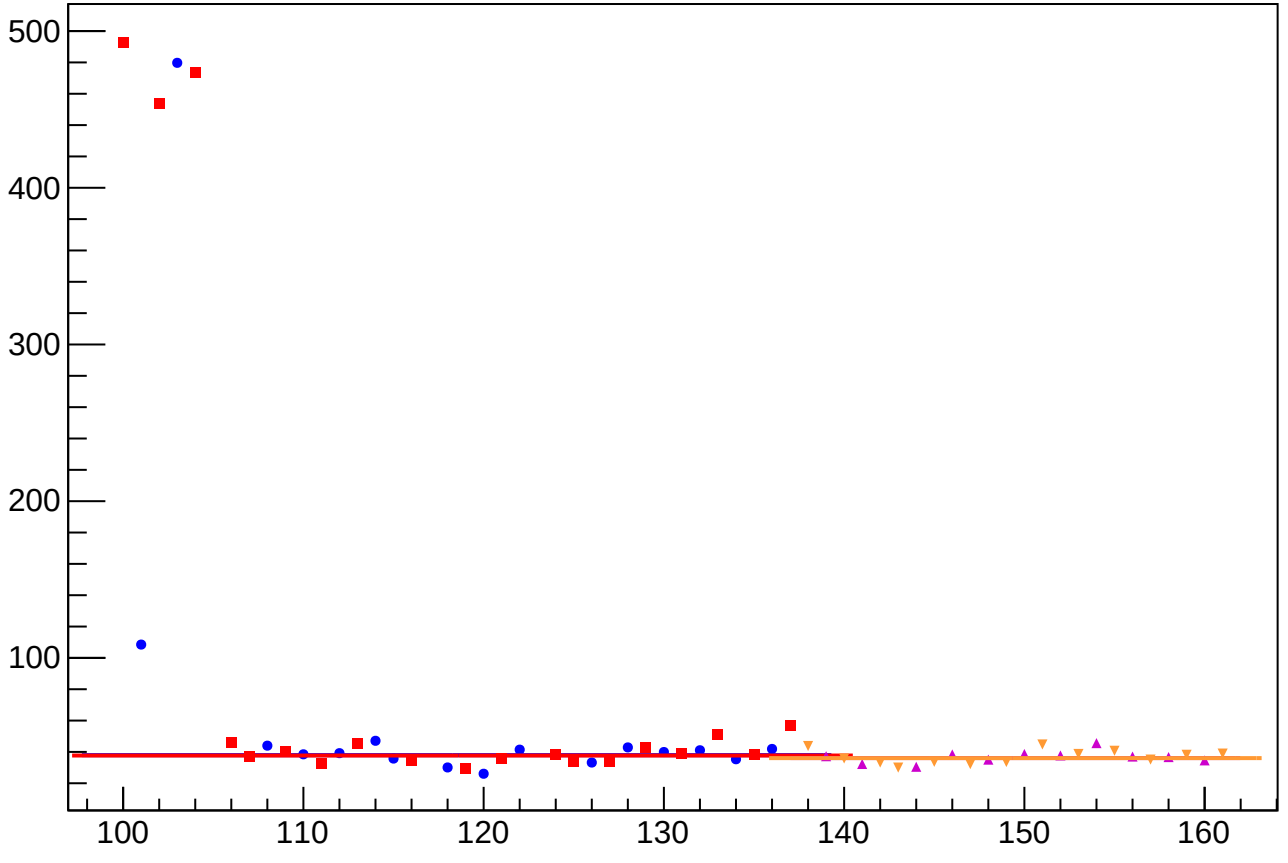
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.001+/-0.010 χ^2/NDF:45.0/31

All: 0.000+/-0.007 χ^2/NDF: 78.5/58

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.041+/-0.009 χ^2/NDF:243879.7/12

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

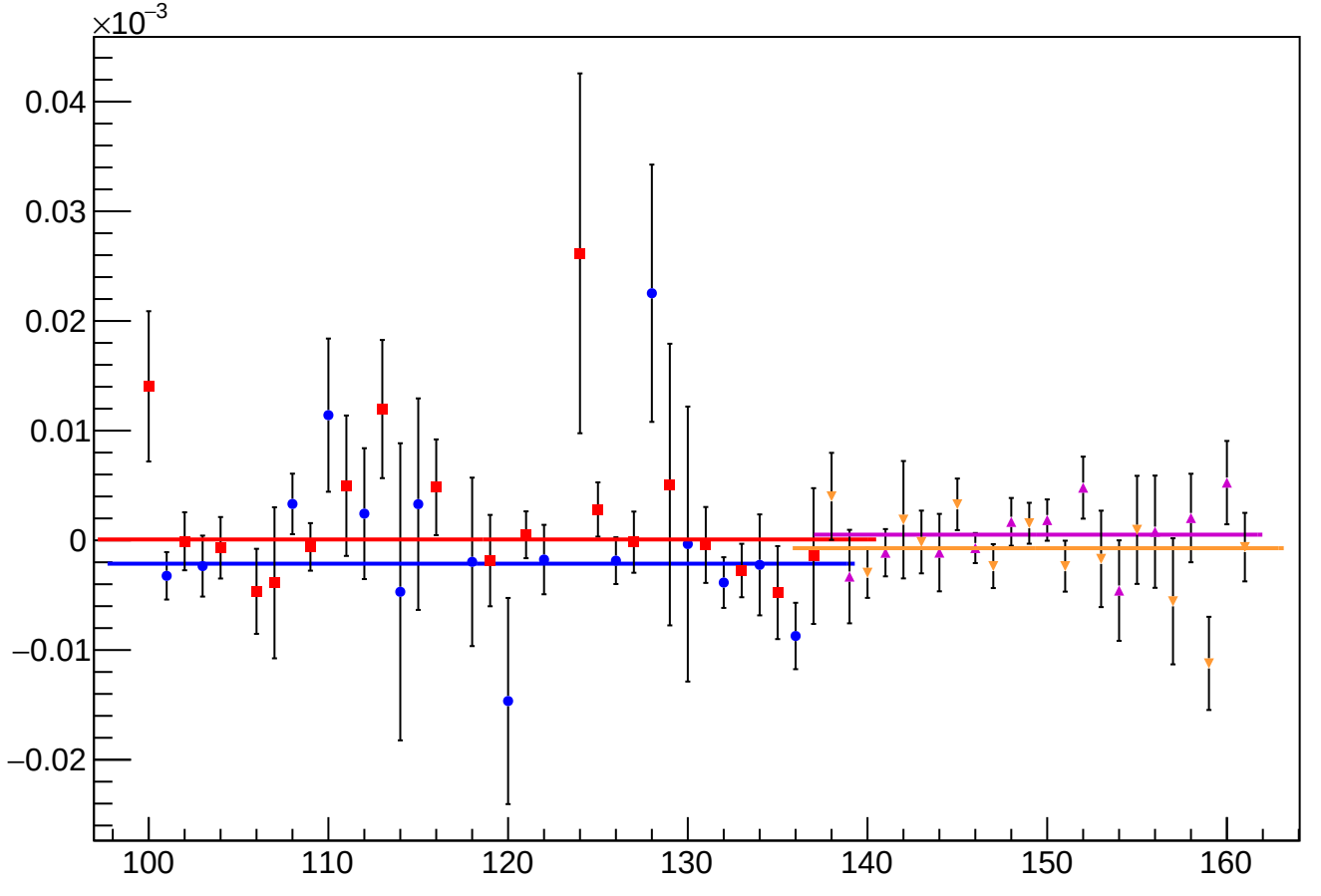
Left: 36.061+/-0.006 χ^2/NDF: 411116.9/23

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.786+/-0.007 χ^2/NDF:1923839.6/26

Out: 36.638+/-0.007 χ^2/NDF:2202355.4/31

All: 36.711+/-0.005 χ^2/NDF: 4126426.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

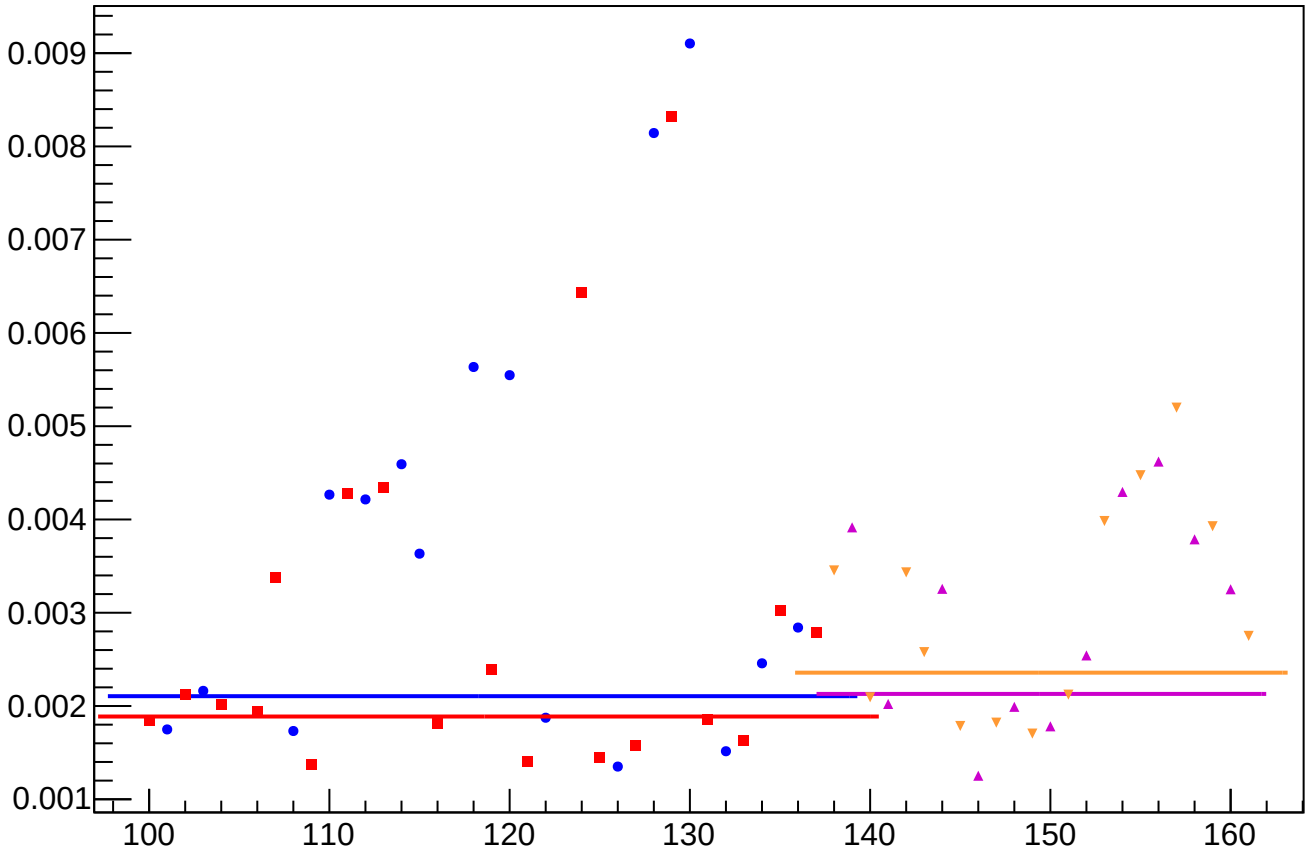
Left: -0.000+/-0.000 χ^2/NDF: 24.9/23

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

In: -0.000+/-0.000 χ^2/NDF:33.9/26

Out: -0.000+/-0.000 χ^2/NDF:34.1/31

All: -0.000+/-0.000 χ^2/NDF: 68.1/58



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2235906.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2933293.5/10

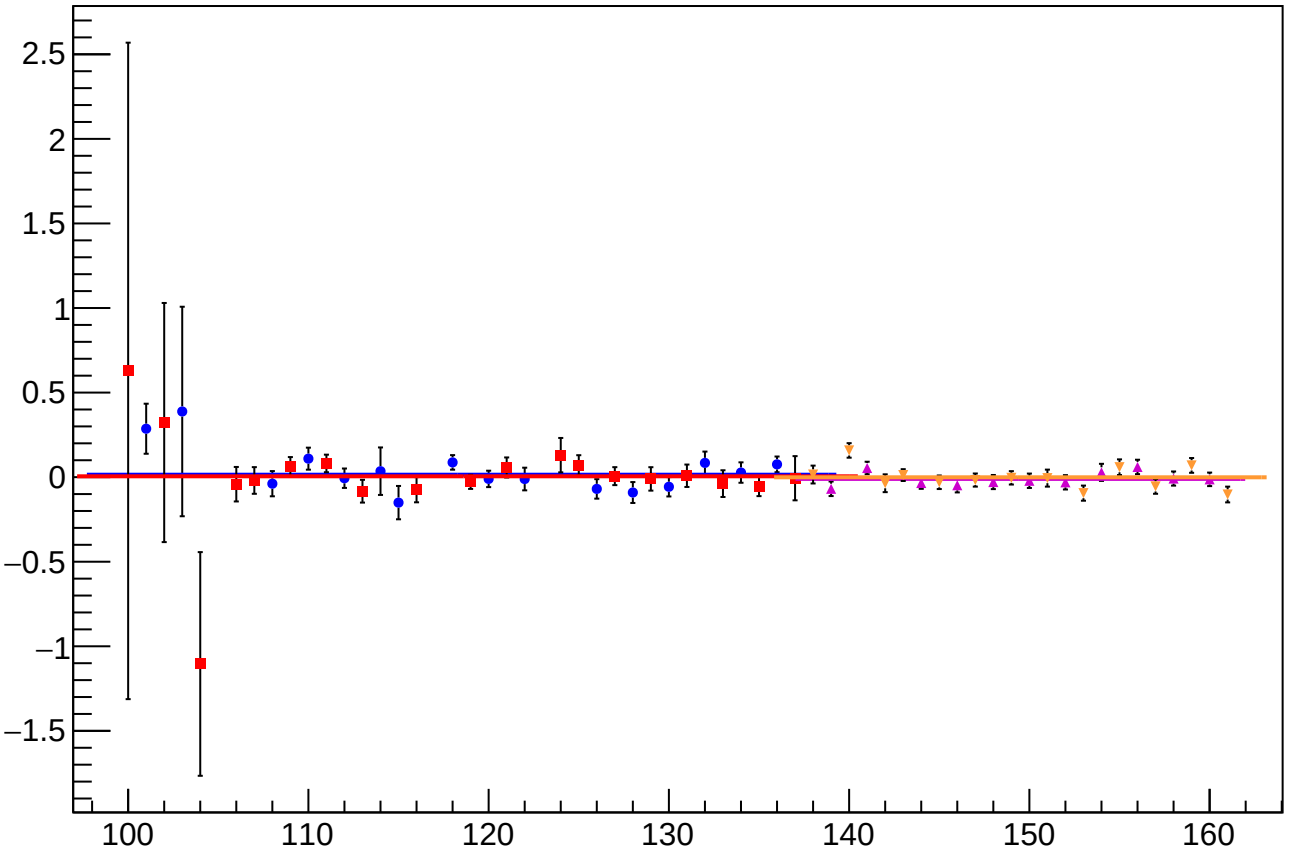
Left: 0.002+/-0.000 χ^2/NDF: 5255158.2/23

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:5951713.5/26

Out: 0.002+/-0.000 χ^2/NDF:4481902.2/31

All: 0.002+/-0.000 χ^2/NDF: 10433630.5/58



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/10

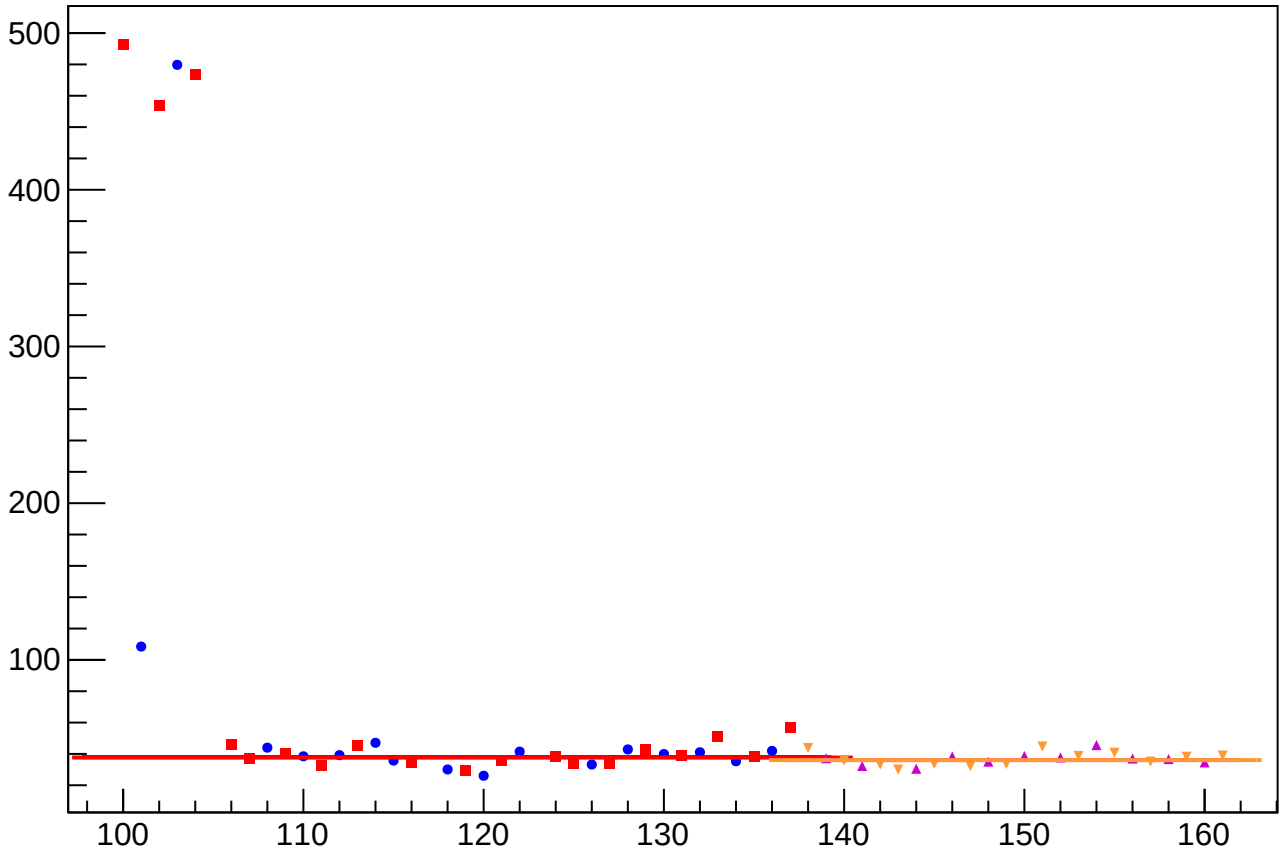
Left: -0.005+/-0.009 χ^2/NDF: 40.3/23

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.001+/-0.010 χ^2/NDF:45.0/31

All: 0.000+/-0.007 χ^2/NDF: 78.5/58



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.041+/-0.009 χ^2/NDF:243933.2/12

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

Left: 36.061+/-0.006 χ^2/NDF: 411213.6/23

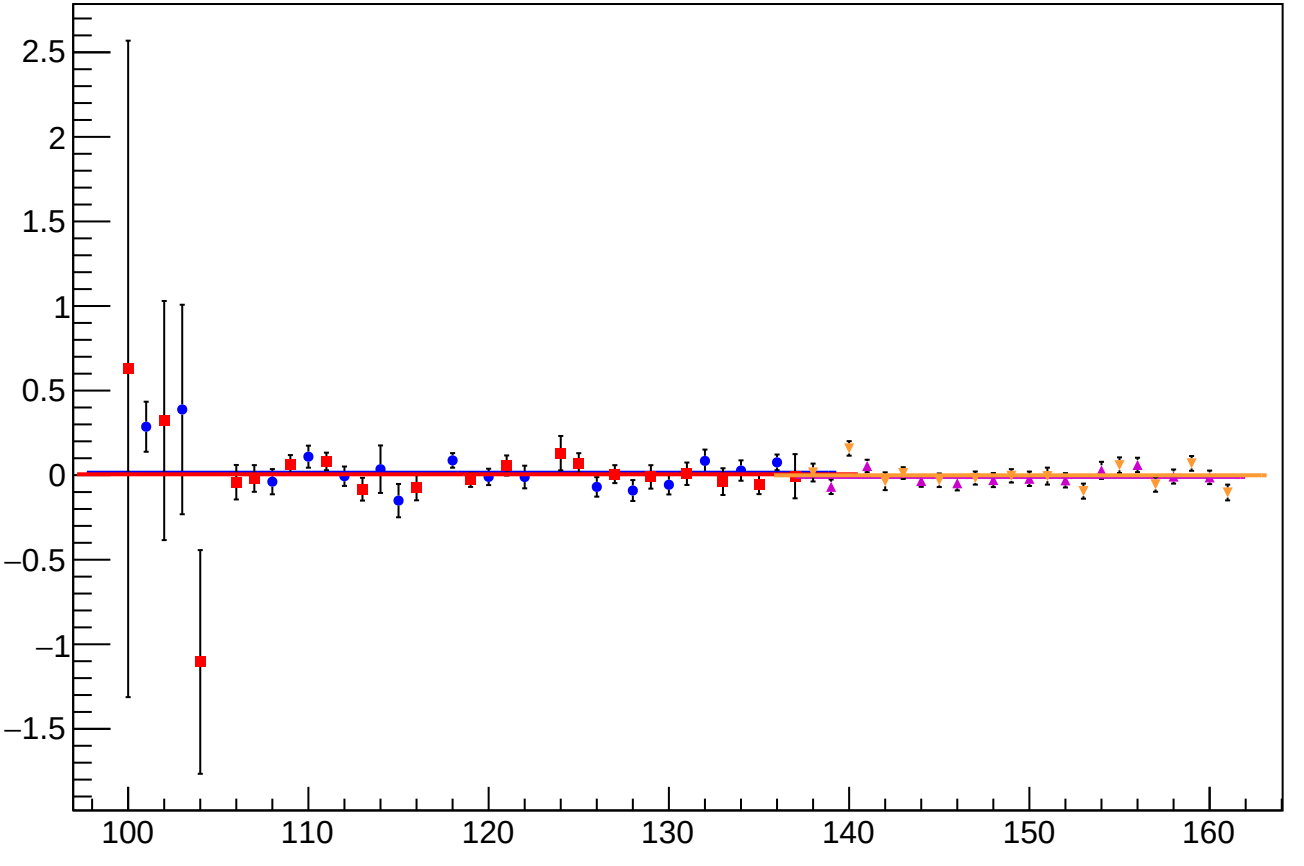
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.785+/-0.007 χ^2/NDF:1923891.8/26

Out: 36.638+/-0.007 χ^2/NDF:2202468.0/31

All: 36.710+/-0.005 χ^2/NDF: 4126590.8/58

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: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/10

Left: -0.005+/-0.009 χ^2/NDF: 40.3/23

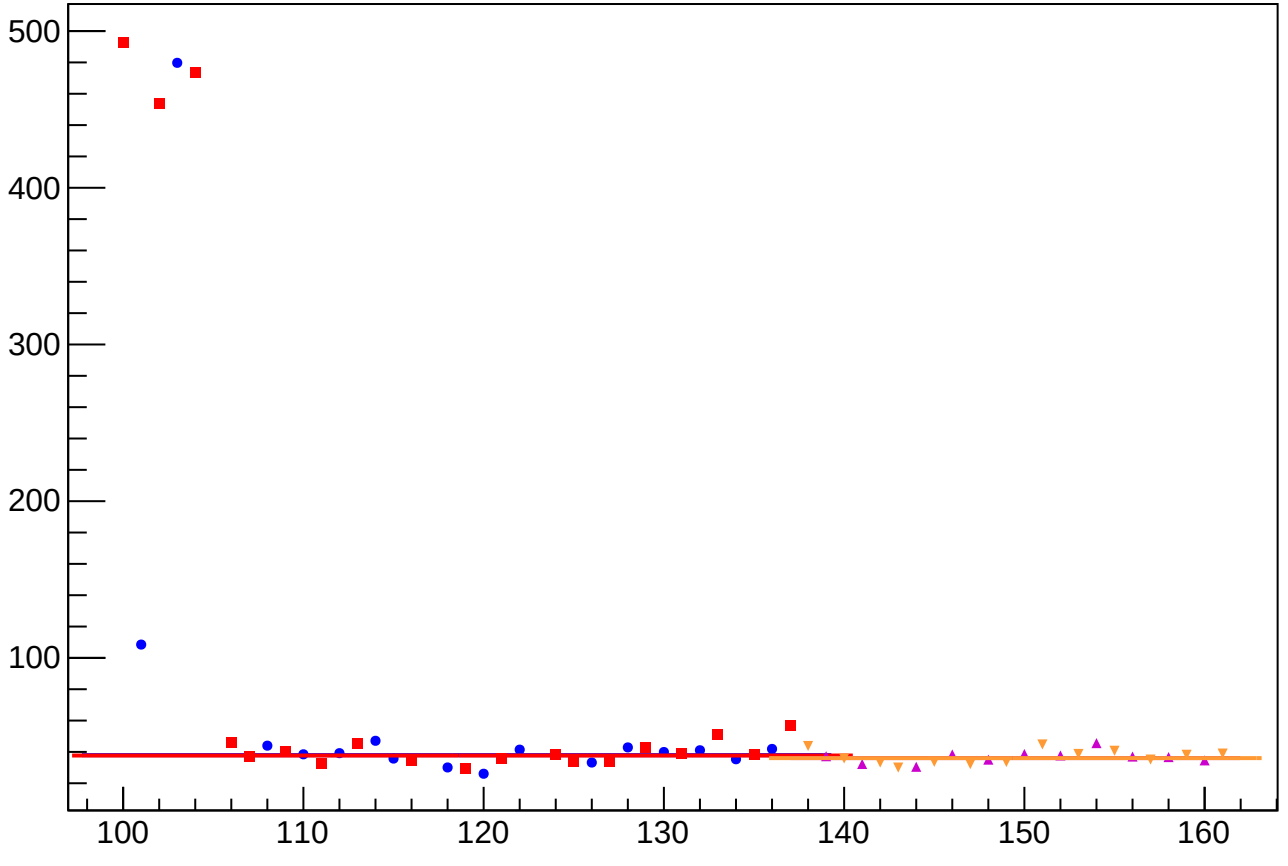
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/26

Out: 0.001+/-0.010 χ^2/NDF:45.0/31

All: 0.000+/-0.007 χ^2/NDF: 78.5/58

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: 36.041+/-0.009 χ^2/NDF:243933.2/12

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

Left: 36.061+/-0.006 χ^2/NDF: 411213.6/23

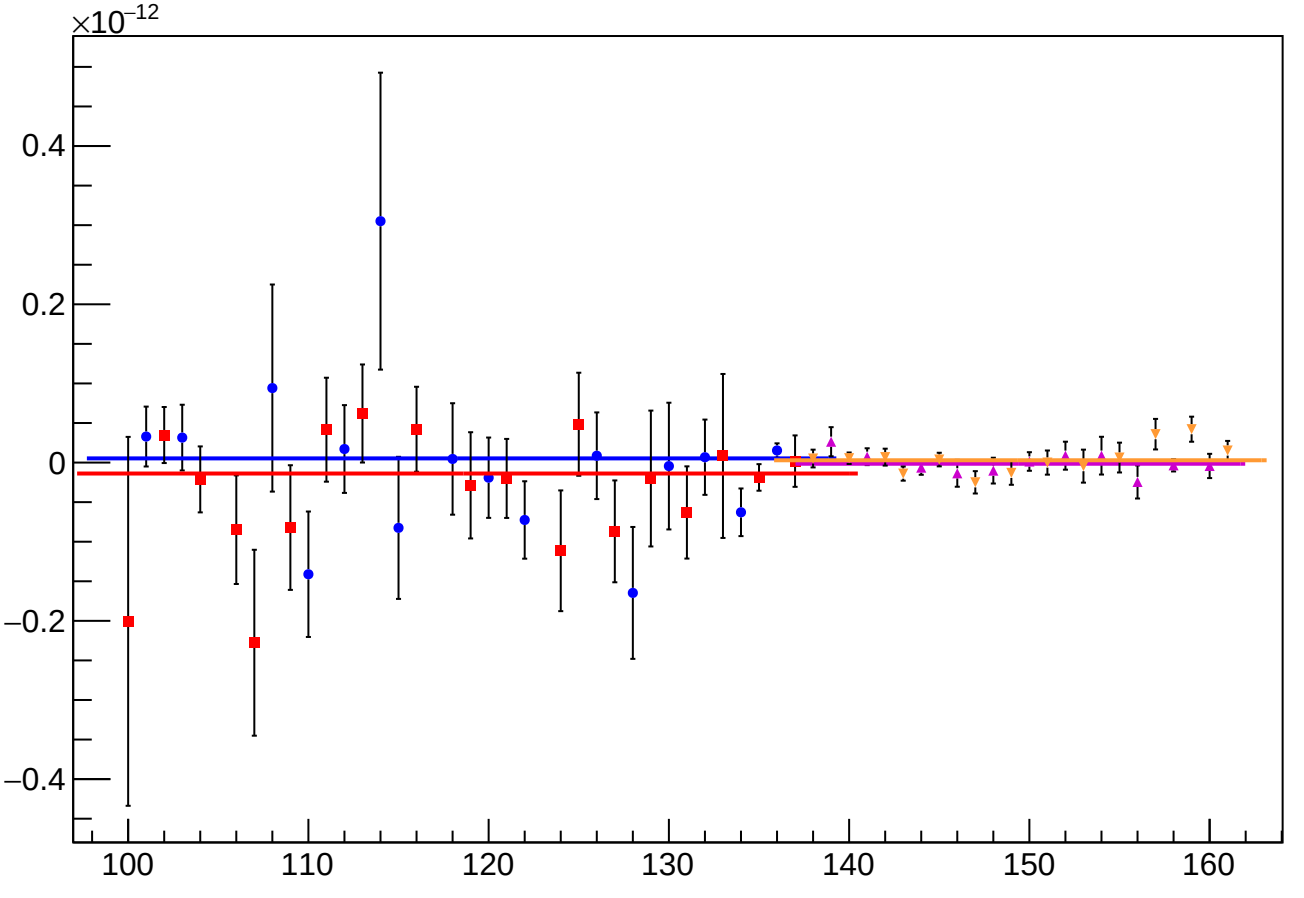
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.785+/-0.007 χ^2/NDF:1923891.8/26

Out: 36.638+/-0.007 χ^2/NDF:2202468.0/31

All: 36.710+/-0.005 χ^2/NDF: 4126590.8/58

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/10

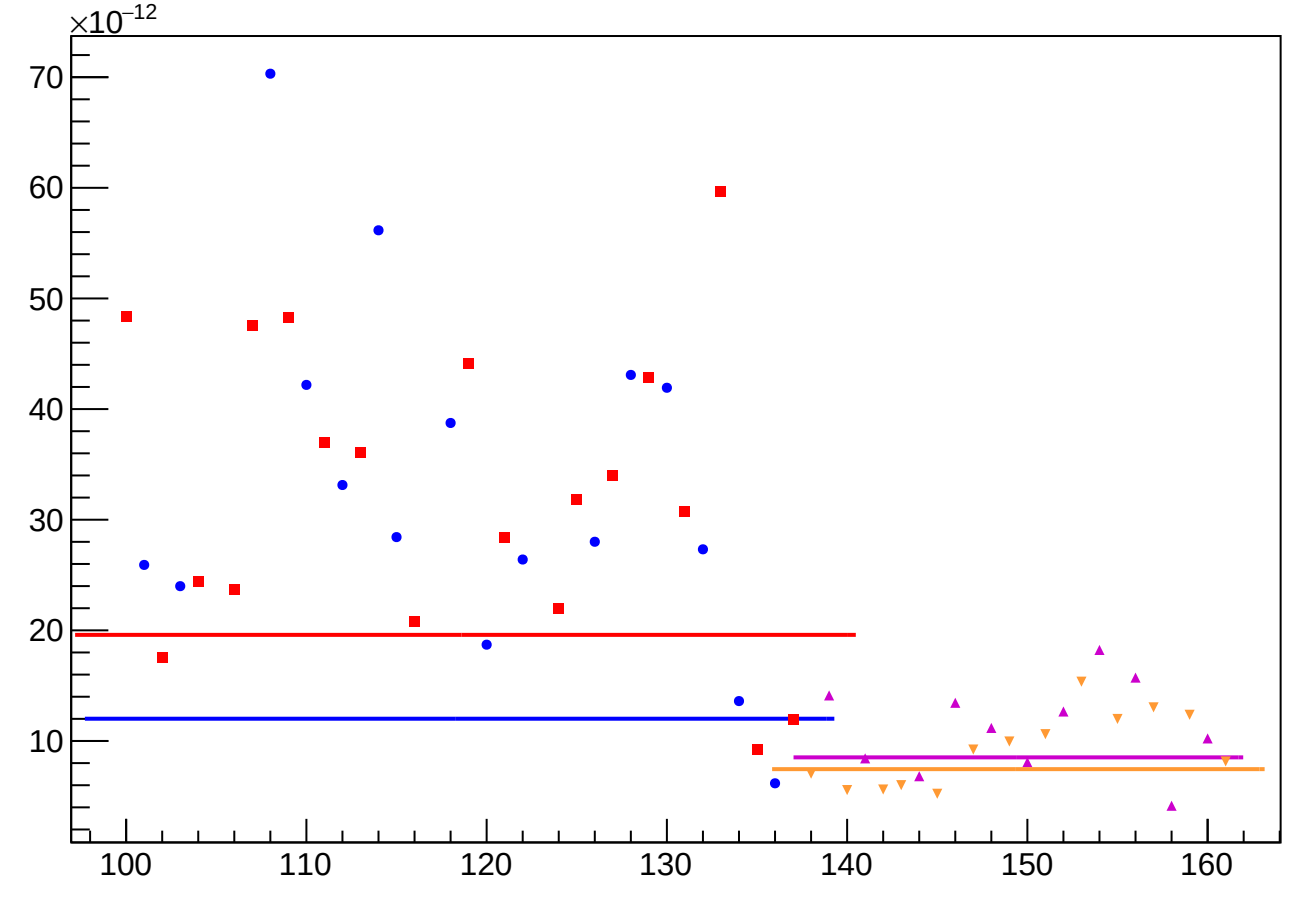
Left: 0.000+/-0.000 χ^2/NDF: 25.9/23

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:28.2/26

Out: 0.000+/-0.000 χ^2/NDF:37.5/31

All: 0.000+/-0.000 χ^2/NDF: 65.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1328009.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1823303.5/10

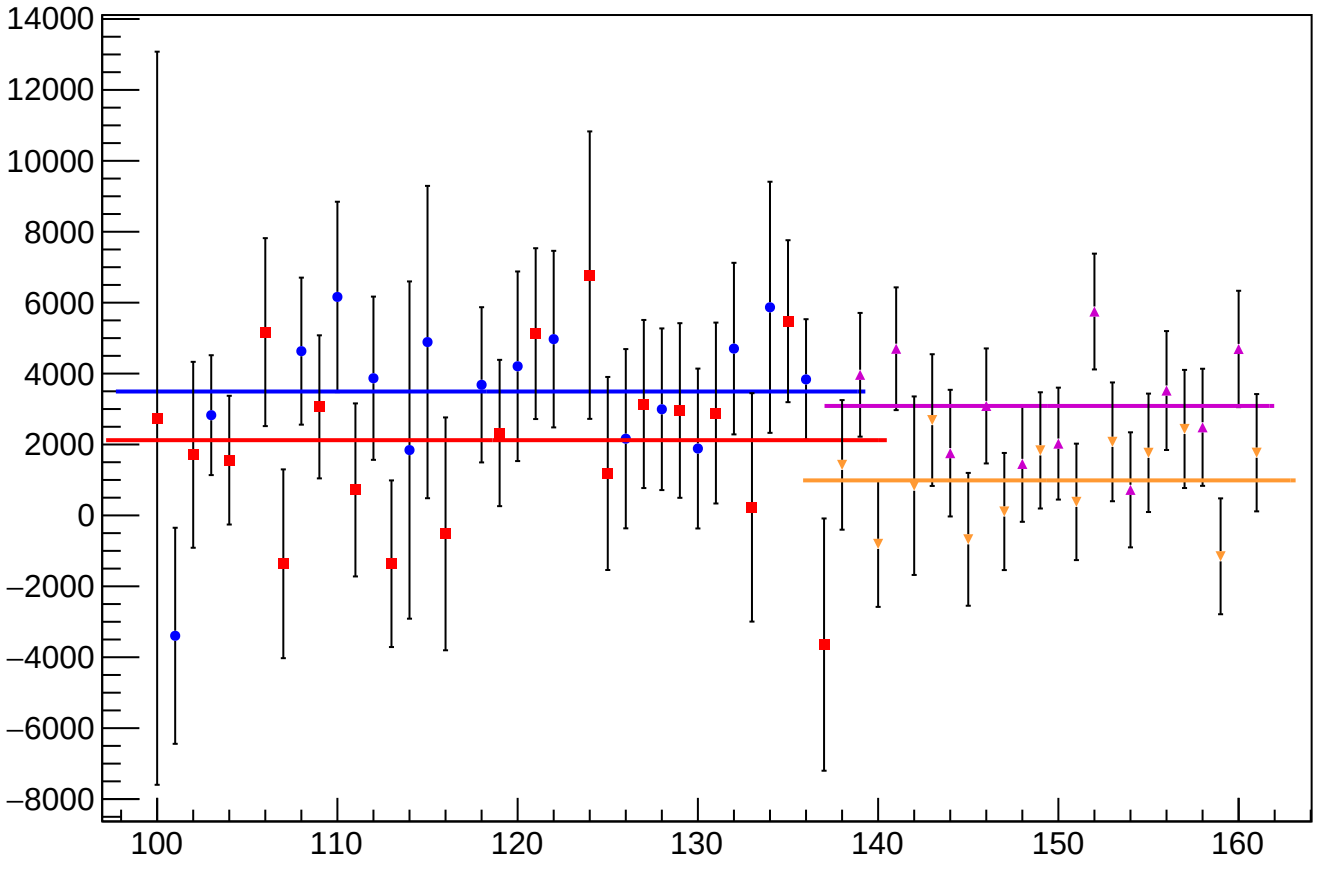
Left: 0.000+/-0.000 χ^2/NDF: 3239689.0/23

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6030892.7/26

Out: 0.000+/-0.000 χ^2/NDF:6360031.7/31

All: 0.000+/-0.000 χ^2/NDF: 12440983.1/58



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.678+/-483.726 χ^2/NDF:6.7/12

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3087.283+/-501.212 χ^2/NDF:9.1/10

Left: 2000.217+/-348.063 χ^2/NDF: 24.9/23

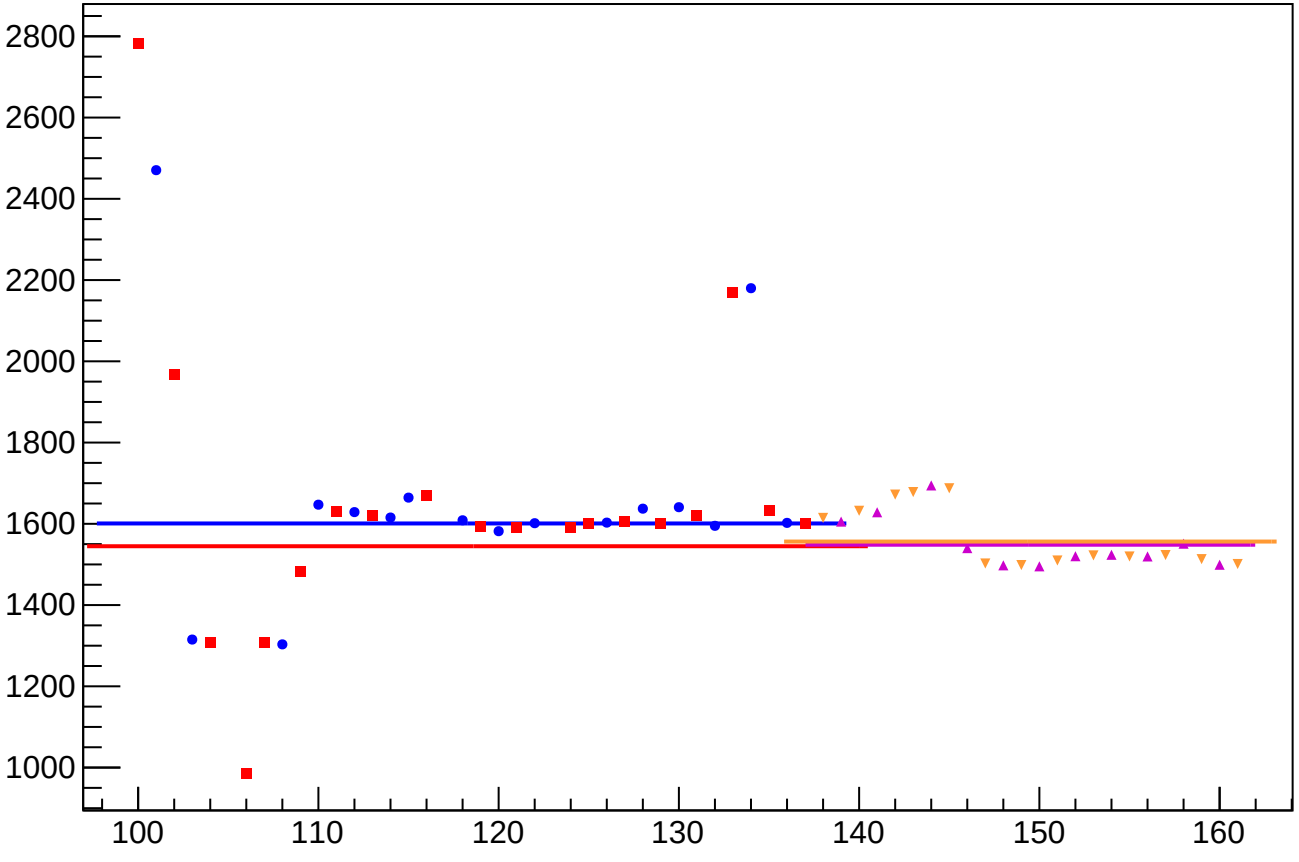
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3254.214+/-384.971 χ^2/NDF:18.2/26

Out: 1445.751+/-373.463 χ^2/NDF:24.0/31

All: 2322.549+/-268.054 χ^2/NDF: 53.5/58

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

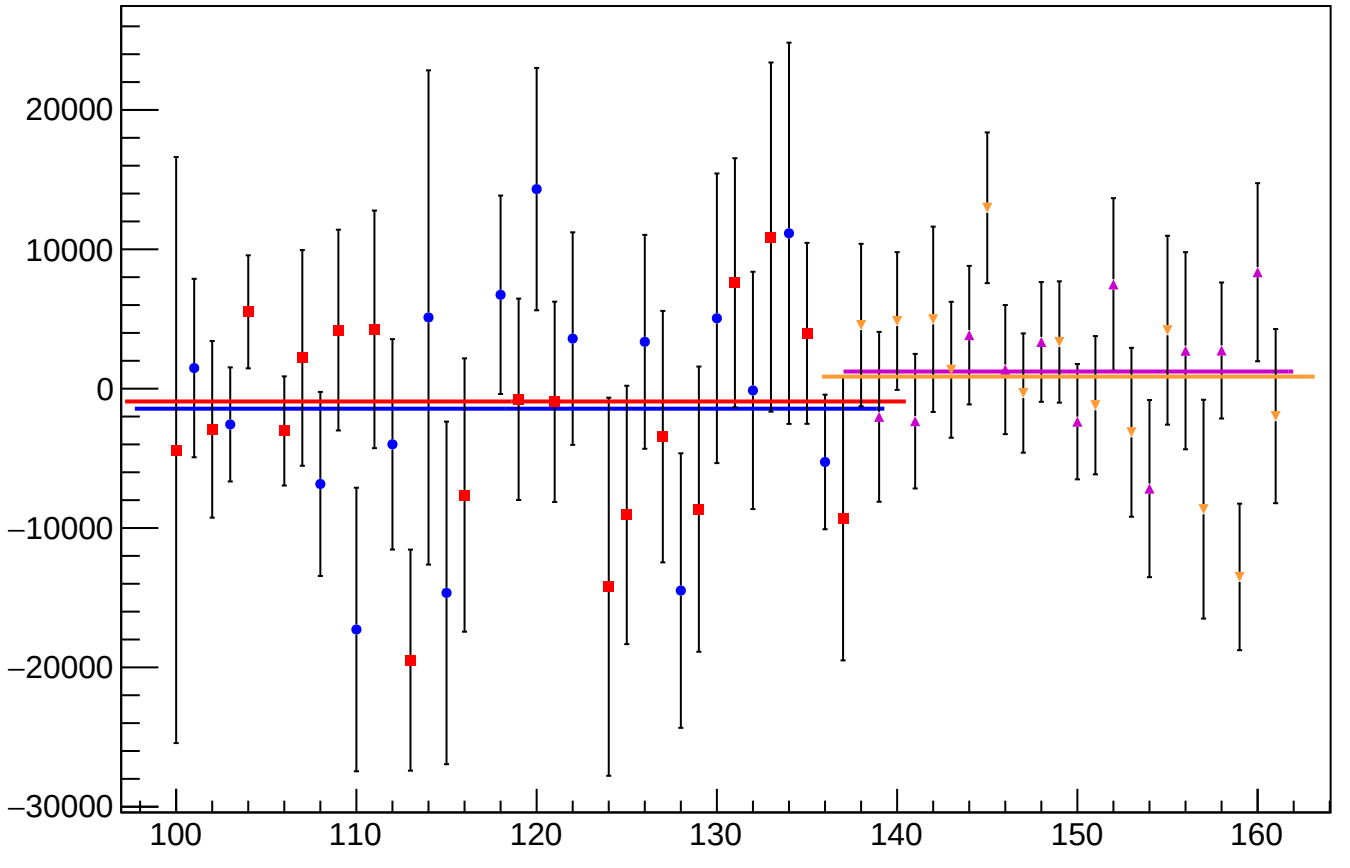
Left: 1552.580+/-0.246 χ^2/NDF: 68474.9/23

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1570.002+/-0.272 χ^2/NDF:353824.9/26

Out: 1551.590+/-0.262 χ^2/NDF:417351.9/31

All: 1560.454+/-0.189 χ^2/NDF: 773549.3/58



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 864.840+/-1500.476 χ^2/NDF:16.9/12

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1230.187+/-1567.974 χ^2/NDF:6.3/10

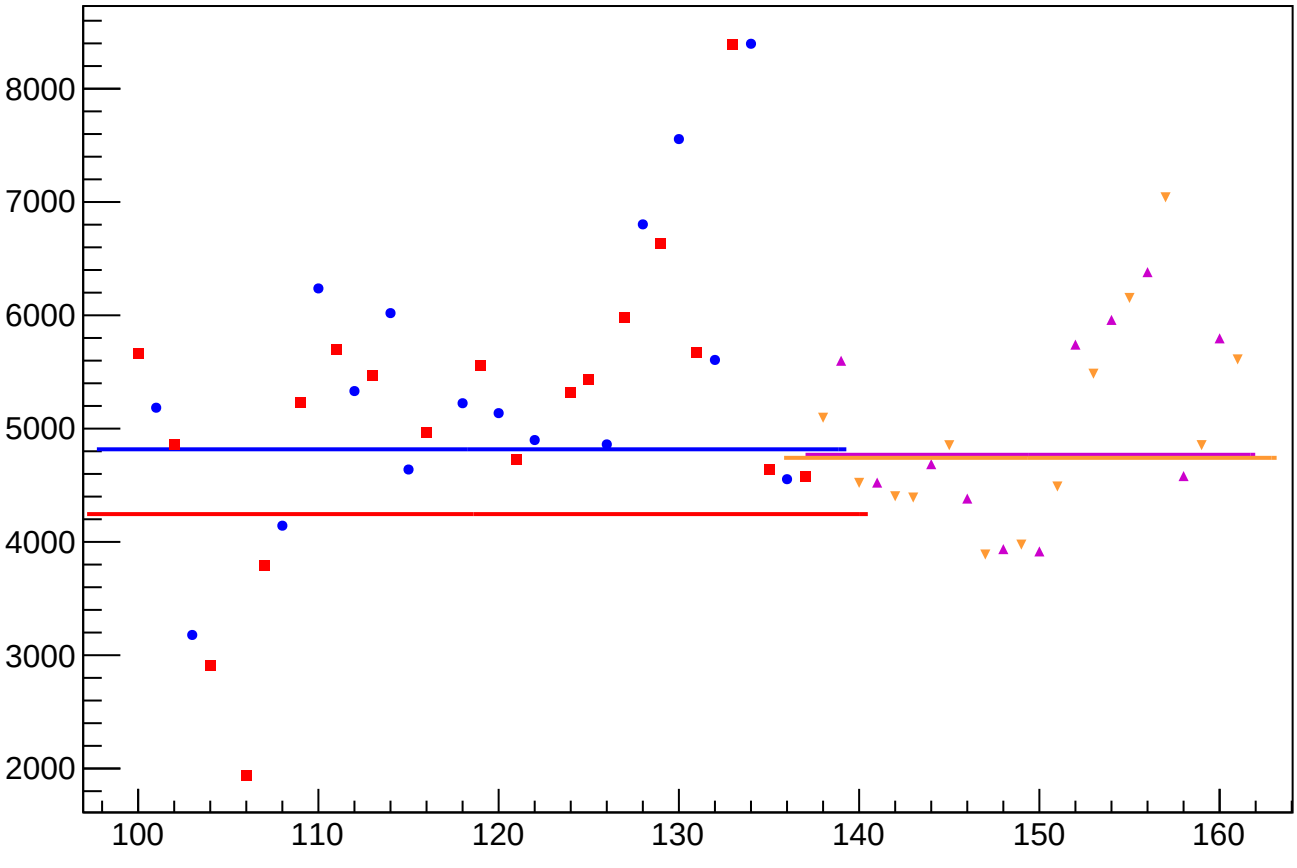
Left: 1039.481+/-1084.074 χ^2/NDF: 23.1/23

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 113.930+/-1195.680 χ^2/NDF:21.3/26

Out: 67.878+/-1115.918 χ^2/NDF:32.8/31

All: 89.317+/-815.815 χ^2/NDF: 54.2/58



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4742.057+/-1.061 χ^2/NDF:502142.3/12

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4768.980+/-1.109 χ^2/NDF:494862.0/10

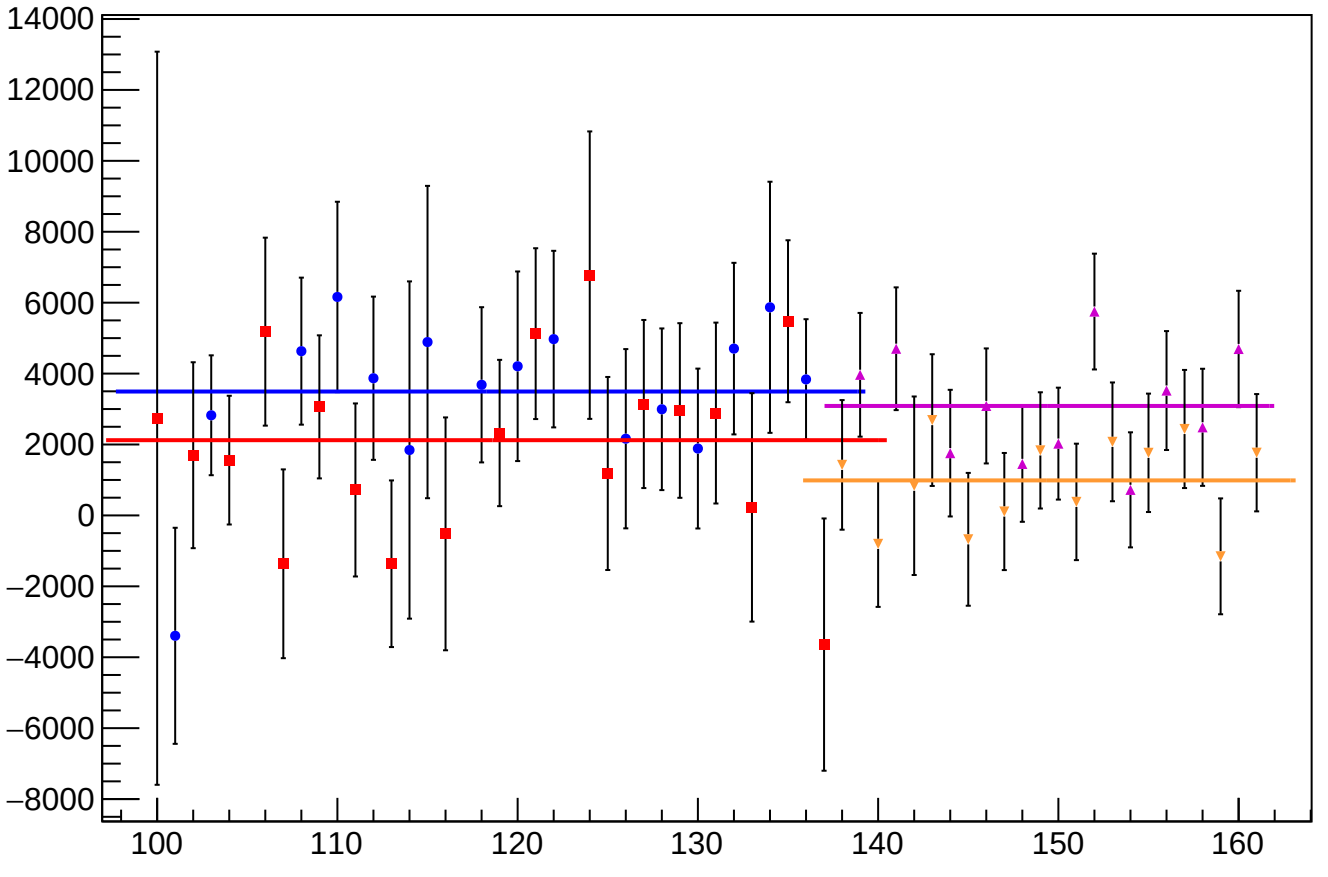
Left: 4754.926+/-0.767 χ^2/NDF: 997312.1/23

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4789.220+/-0.845 χ^2/NDF:1291089.5/26

Out: 4520.162+/-0.789 χ^2/NDF:2283173.5/31

All: 4645.418+/-0.577 χ^2/NDF: 3628389.5/58



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.509+/-483.726 χ^2/NDF:6.7/12

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3087.318+/-501.212 χ^2/NDF:9.1/10

Left: 2000.147+/-348.063 χ^2/NDF: 24.9/23

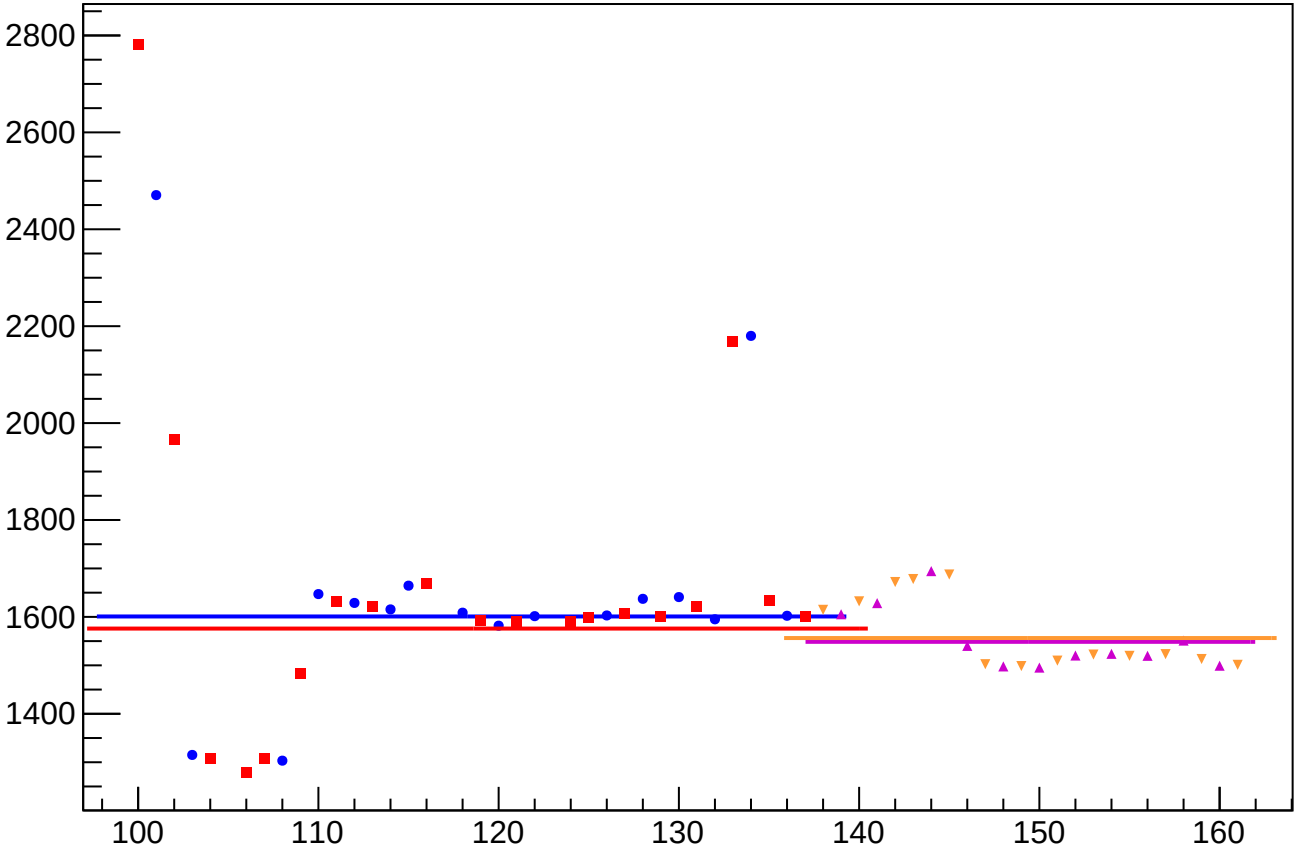
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3254.098+/-384.971 χ^2/NDF:18.2/26

Out: 1445.644+/-373.464 χ^2/NDF:24.0/31

All: 2322.439+/-268.055 χ^2/NDF: 53.6/58

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

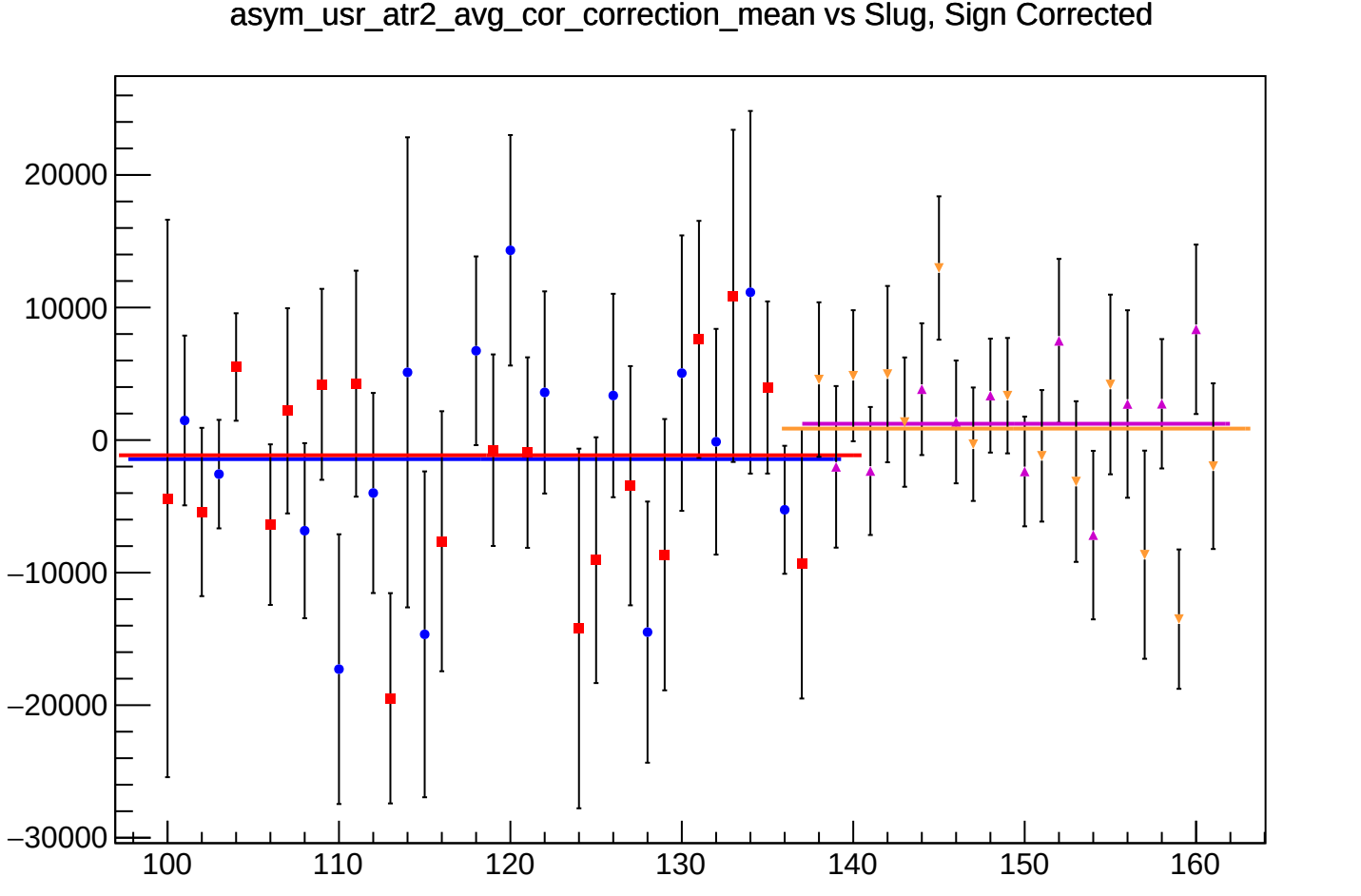
Left: 1552.580+/-0.246 χ^2/NDF: 68474.9/23

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1570.003+/-0.272 χ^2/NDF:353824.2/26

Out: 1564.280+/-0.264 χ^2/NDF:285414.7/31

All: 1567.050+/-0.189 χ^2/NDF: 639466.9/58



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 864.782+/-1500.473 χ^2/NDF:16.9/12

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1230.299+/-1567.974 χ^2/NDF:6.3/10

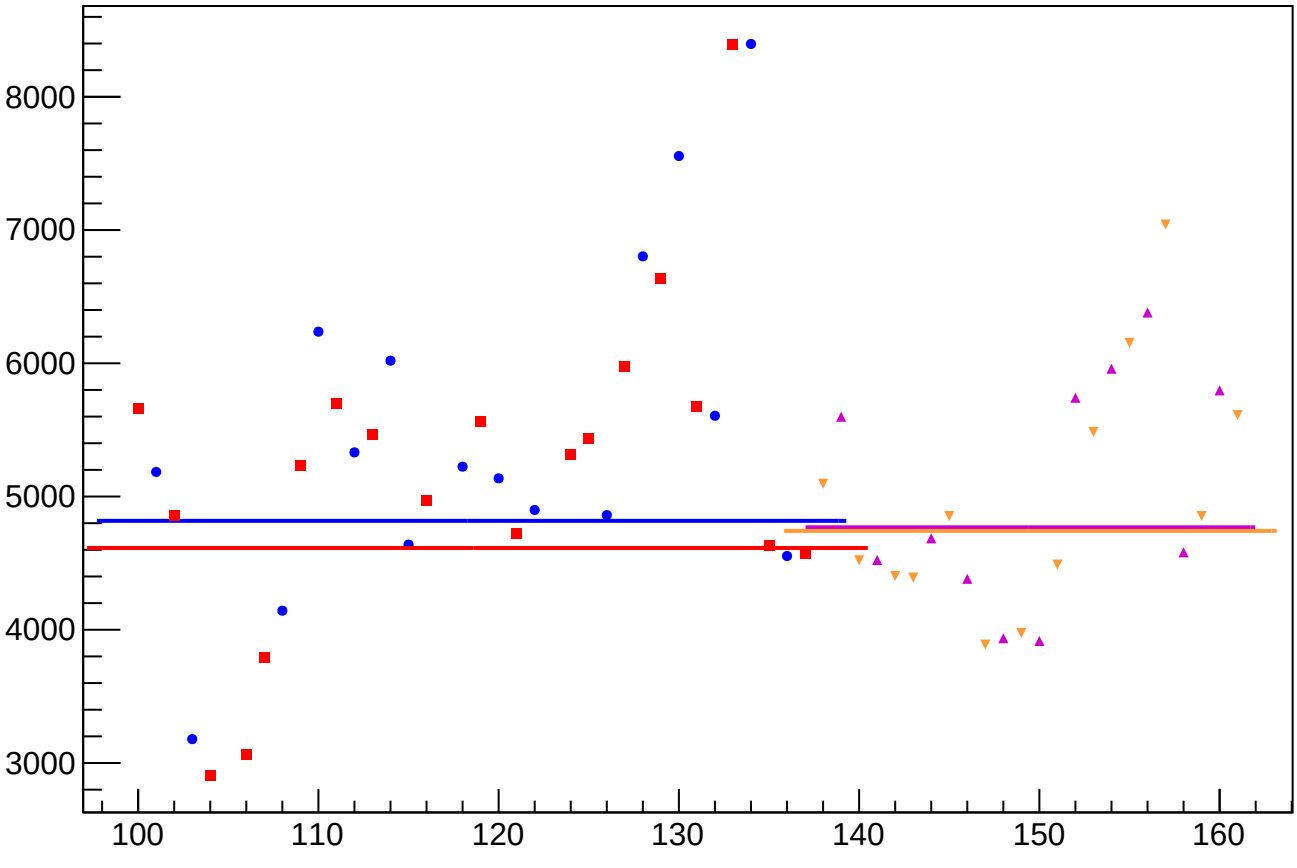
Left: 1039.504+/-1084.073 χ^2/NDF: 23.1/23

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 113.920+/-1195.691 χ^2/NDF:21.3/26

Out: 21.357+/-1143.303 χ^2/NDF:33.9/31

All: 65.566+/-826.337 χ^2/NDF: 55.2/58



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4742.047+/-1.061 χ^2/NDF:502150.6/12

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

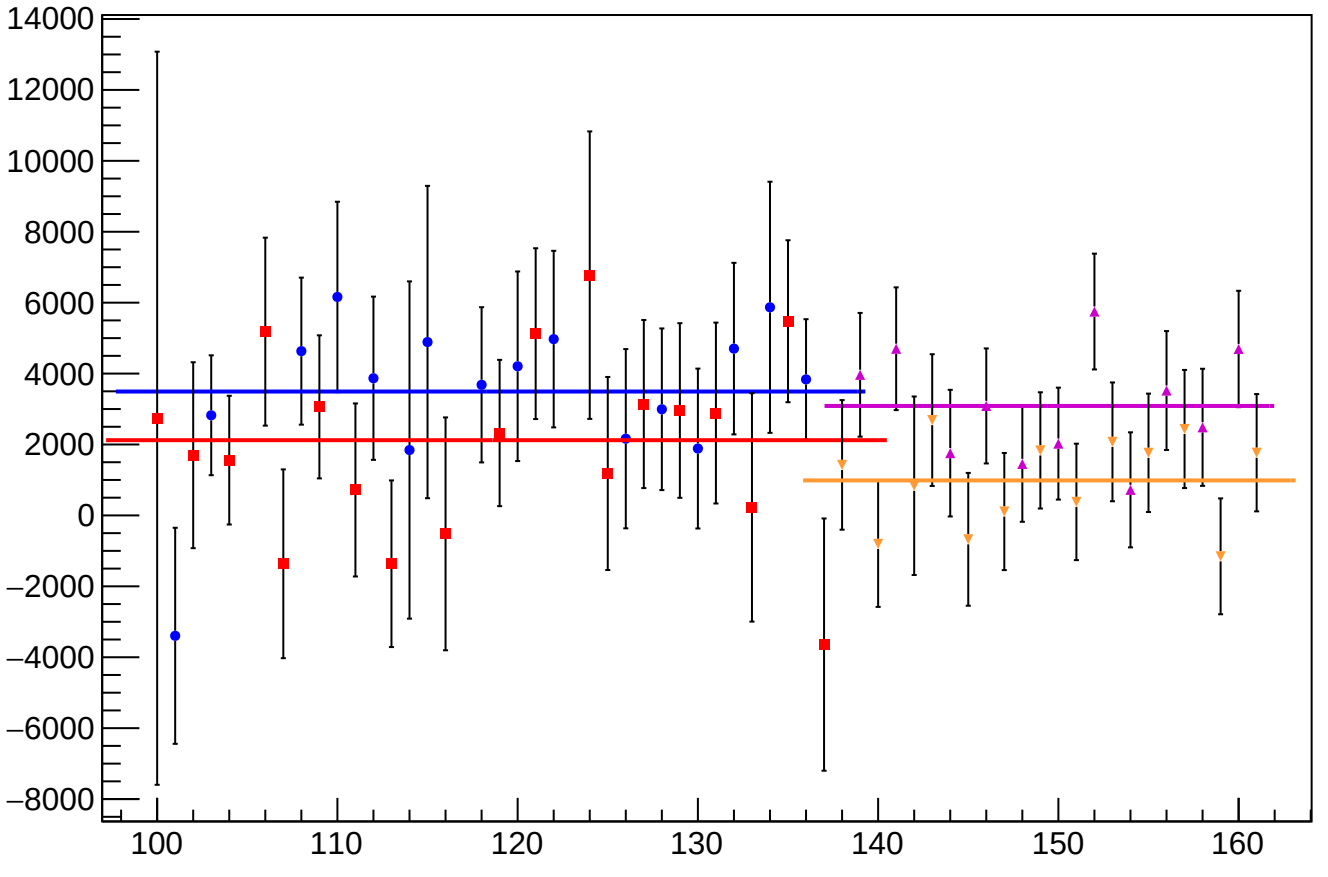
Left: 4754.921+/-0.767 χ^2/NDF: 997321.9/23

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4789.276+/-0.845 χ^2/NDF:1290897.4/26

Out: 4688.280+/-0.808 χ^2/NDF:1486231.9/31

All: 4736.517+/-0.584 χ^2/NDF: 2784583.4/58



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.509+/-483.726 χ^2/NDF:6.7/12

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3087.318+/-501.212 χ^2/NDF:9.1/10

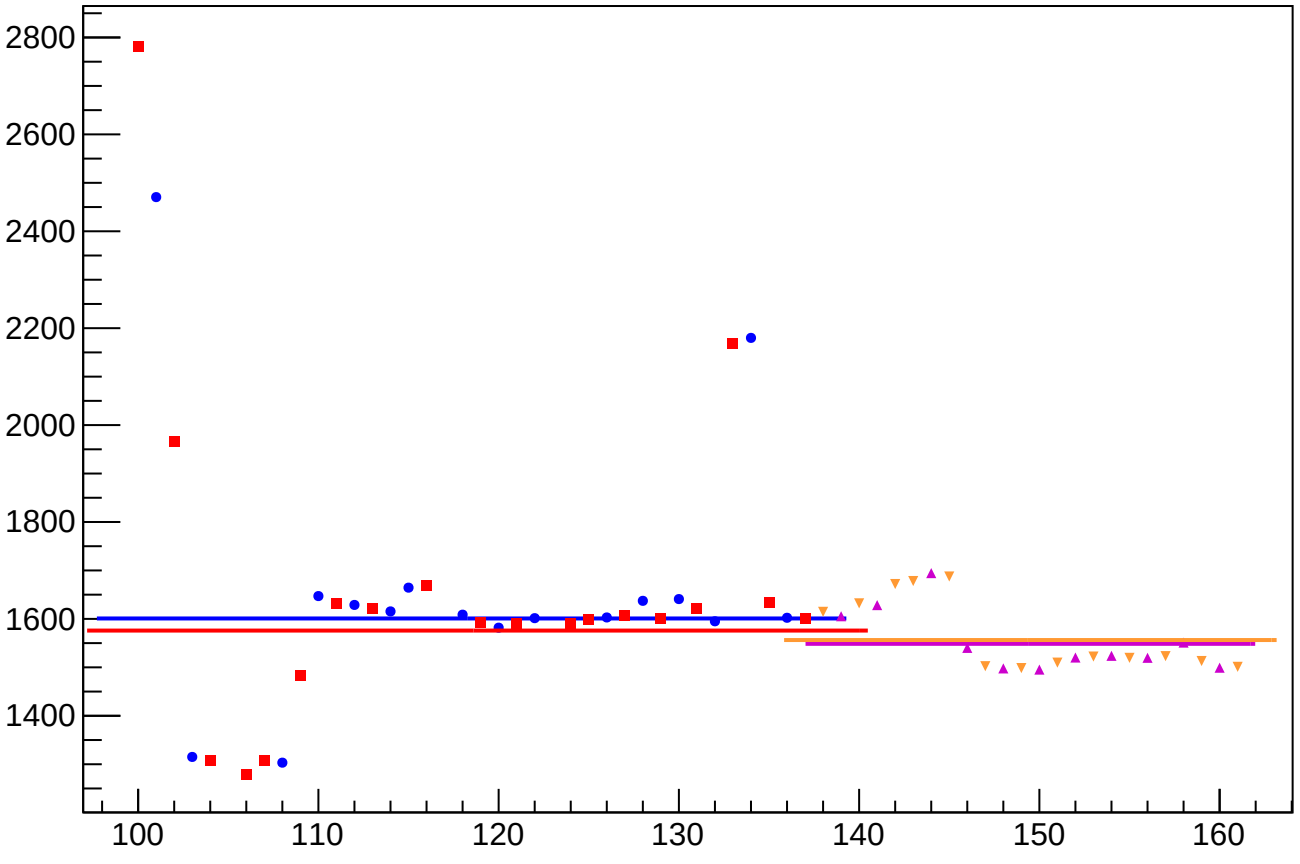
Left: 2000.147+/-348.063 χ^2/NDF: 24.9/23

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3254.098+/-384.971 χ^2/NDF:18.2/26

Out: 1445.644+/-373.464 χ^2/NDF:24.0/31

All: 2322.439+/-268.055 χ^2/NDF: 53.6/58



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

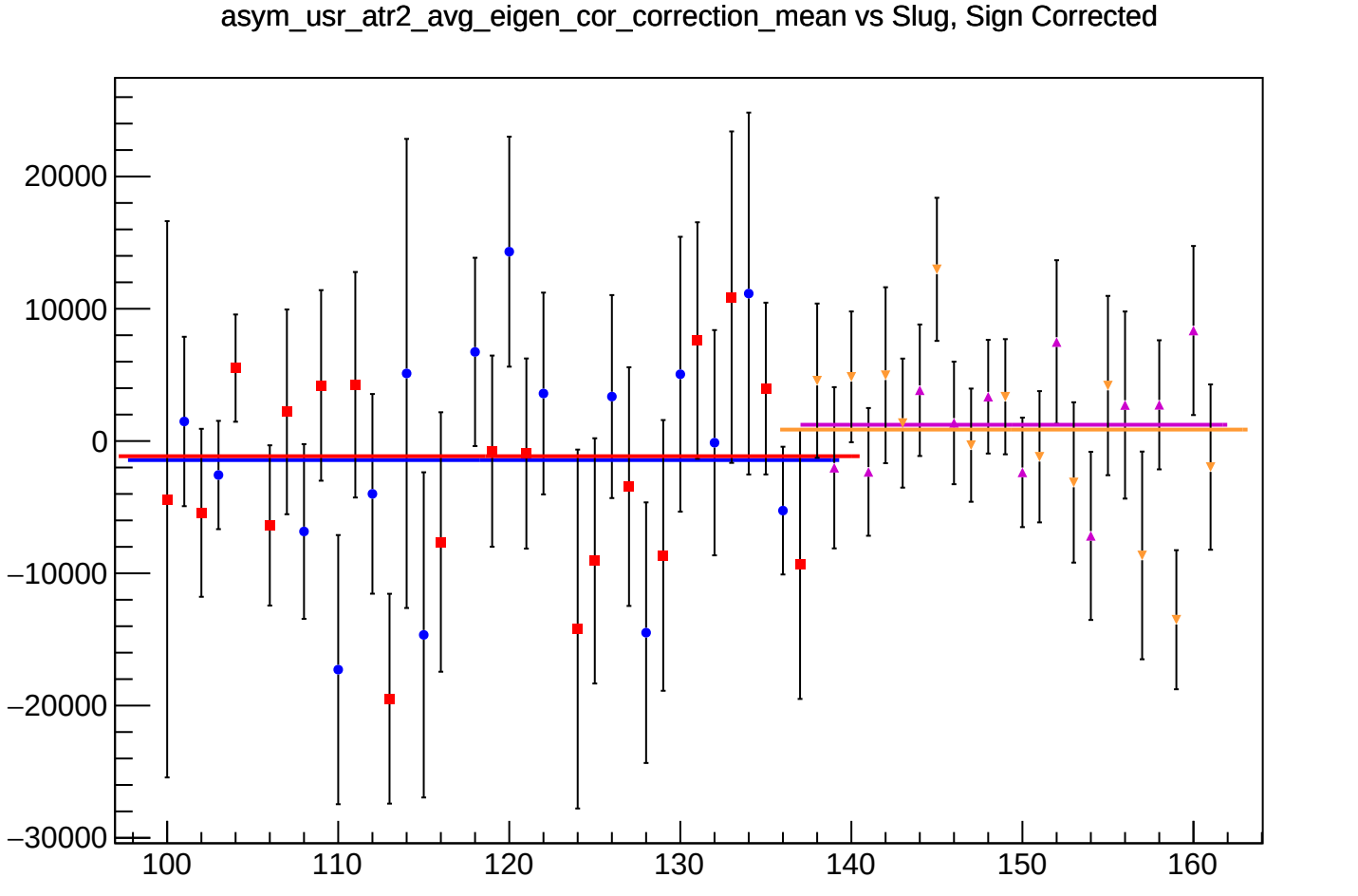
Left: 1552.580+/-0.246 χ^2/NDF: 68474.9/23

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1570.003+/-0.272 χ^2/NDF:353824.2/26

Out: 1564.280+/-0.264 χ^2/NDF:285414.7/31

All: 1567.050+/-0.189 χ^2/NDF: 639466.9/58



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 864.782+/-1500.473 χ^2/NDF:16.9/12

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1230.299+/-1567.974 χ^2/NDF:6.3/10

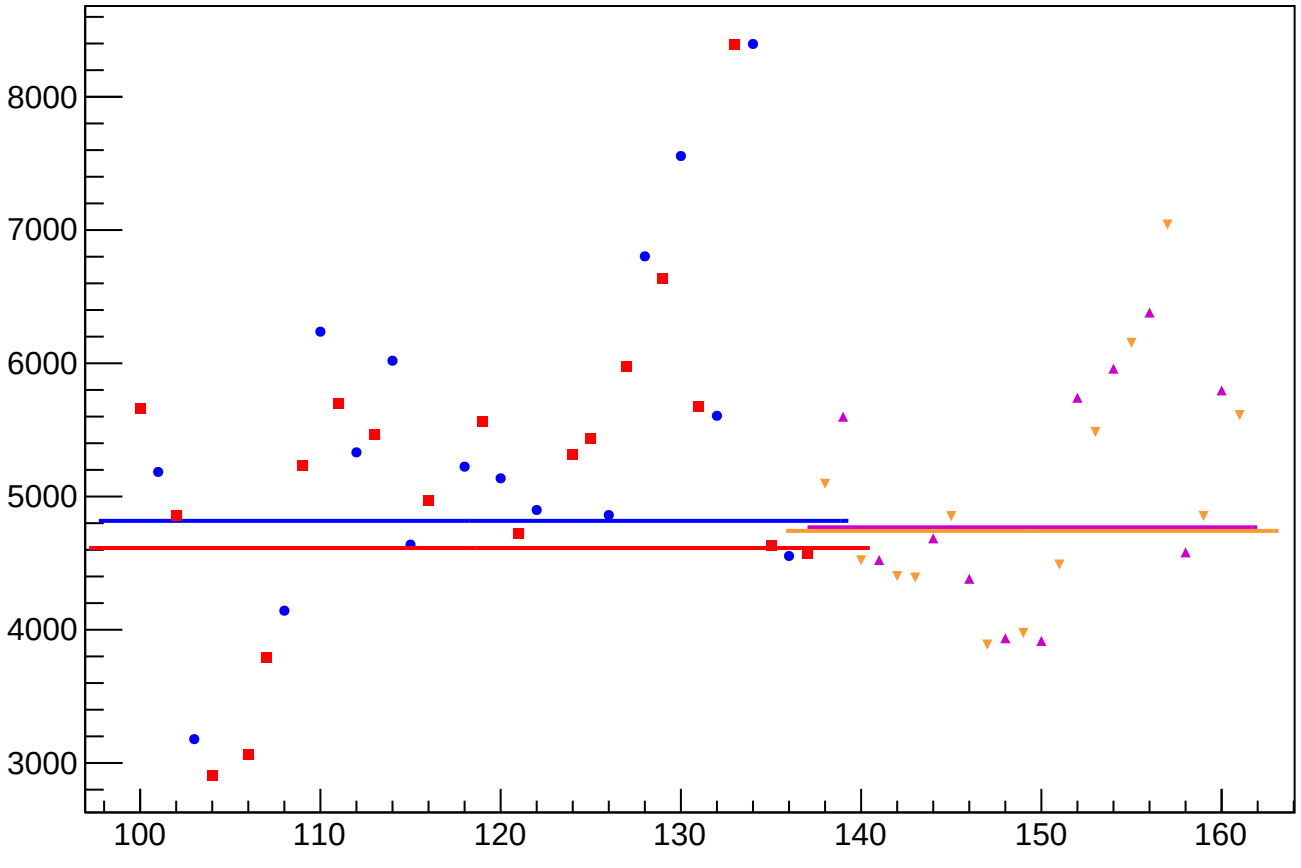
Left: 1039.504+/-1084.073 χ^2/NDF: 23.1/23

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 113.920+/-1195.691 χ^2/NDF:21.3/26

Out: 21.357+/-1143.303 χ^2/NDF:33.9/31

All: 65.566+/-826.337 χ^2/NDF: 55.2/58



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4742.047+/-1.061 χ^2/NDF:502150.6/12

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

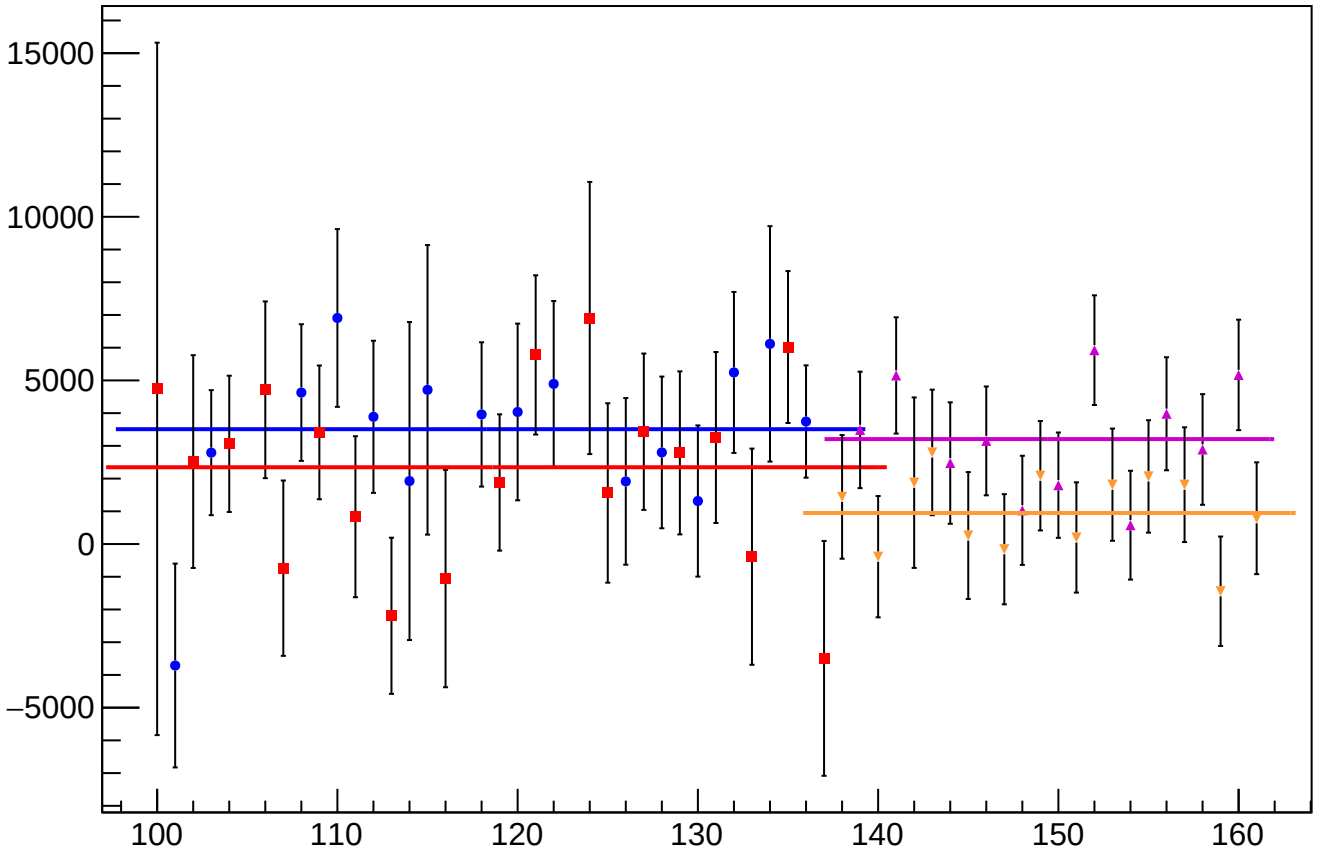
Left: 4754.921+/-0.767 χ^2/NDF: 997321.9/23

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4789.276+/-0.845 χ^2/NDF:1290897.4/26

Out: 4688.280+/-0.808 χ^2/NDF:1486231.9/31

All: 4736.517+/-0.584 χ^2/NDF: 2784583.4/58



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 949.337+/-498.443 χ^2/NDF:5.8/12

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3206.925+/-514.098 χ^2/NDF:10.6/10

Left: 2043.234+/-357.859 χ^2/NDF: 26.3/23

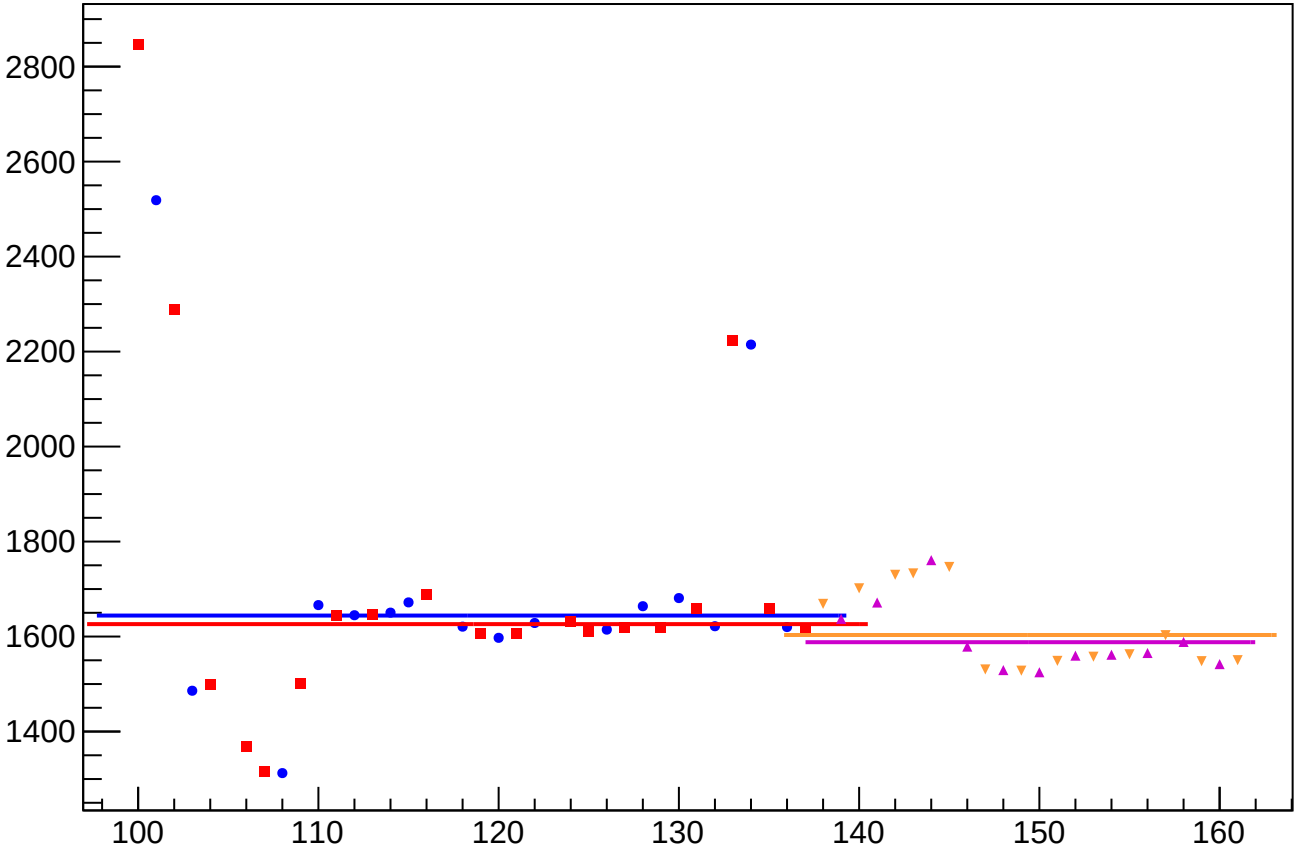
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3330.980+/-394.890 χ^2/NDF:21.1/26

Out: 1511.614+/-385.339 χ^2/NDF:26.1/31

All: 2399.029+/-275.791 χ^2/NDF: 58.1/58

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1603.263+/-0.352 χ^2/NDF:49313.2/12

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1588.120+/-0.364 χ^2/NDF:31827.4/10

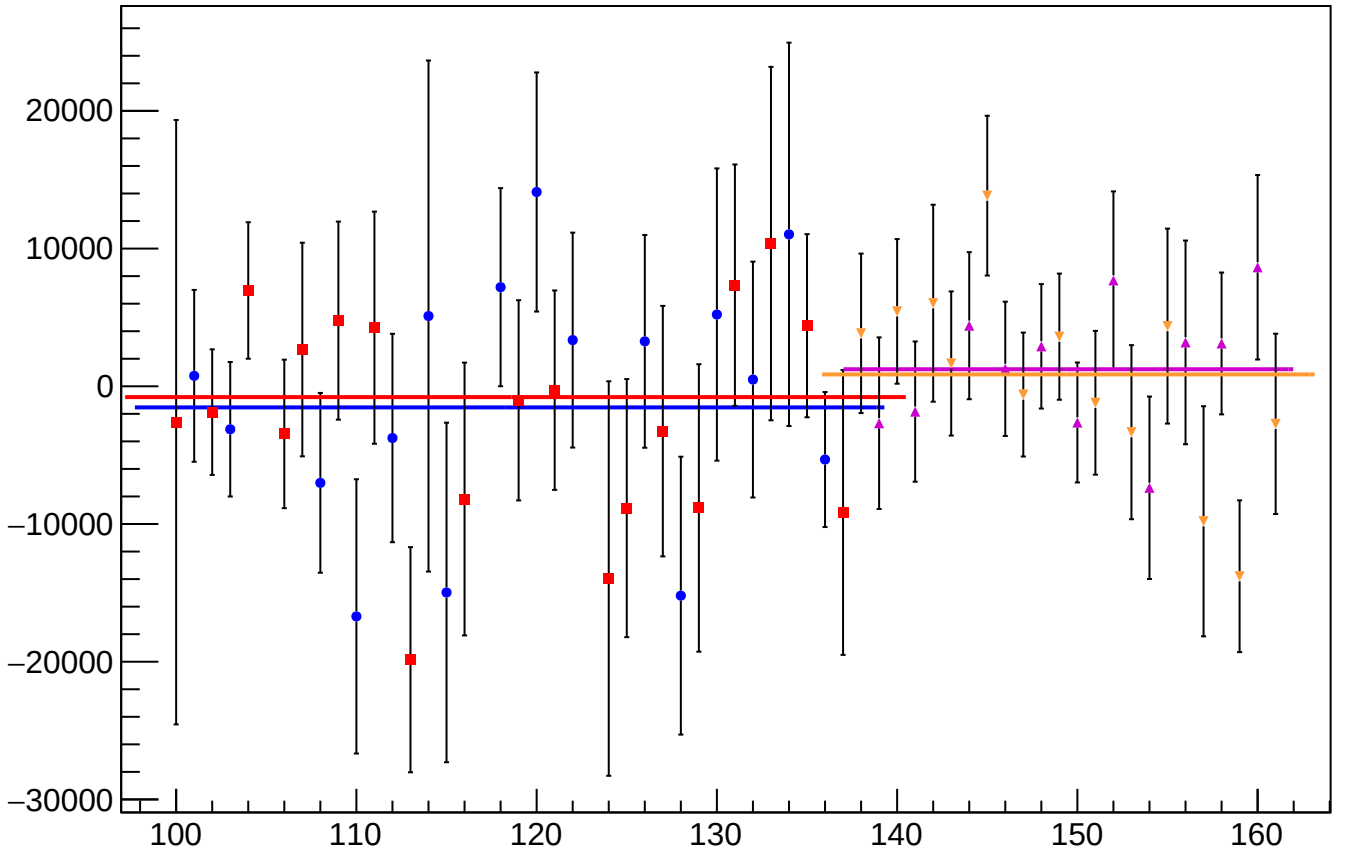
Left: 1595.926+/-0.253 χ^2/NDF: 82035.1/23

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1611.112+/-0.279 χ^2/NDF:316401.8/26

Out: 1612.491+/-0.272 χ^2/NDF:288654.3/31

All: 1611.818+/-0.195 χ^2/NDF: 605068.6/58



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 862.035+/-1578.802 χ^2/NDF:16.9/12

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1239.095+/-1648.148 χ^2/NDF:6.1/10

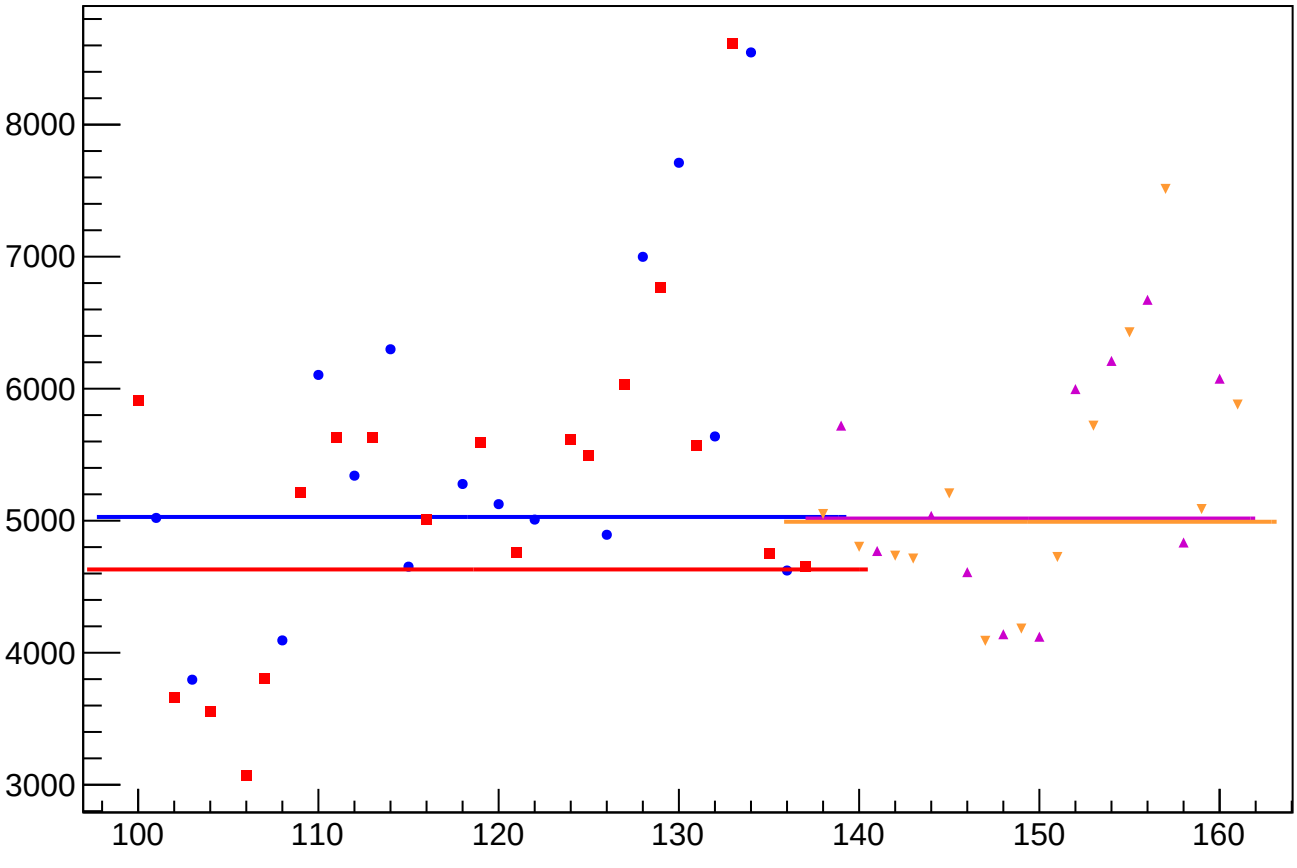
Left: 1042.466+/-1140.109 χ^2/NDF: 23.1/23

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 59.026+/-1248.865 χ^2/NDF:21.2/26

Out: 122.675+/-1171.816 χ^2/NDF:32.4/31

All: 92.875+/-854.540 χ^2/NDF: 53.6/58



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4992.114+/-1.116 χ^2/NDF:489893.9/12

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5016.514+/-1.165 χ^2/NDF:467612.4/10

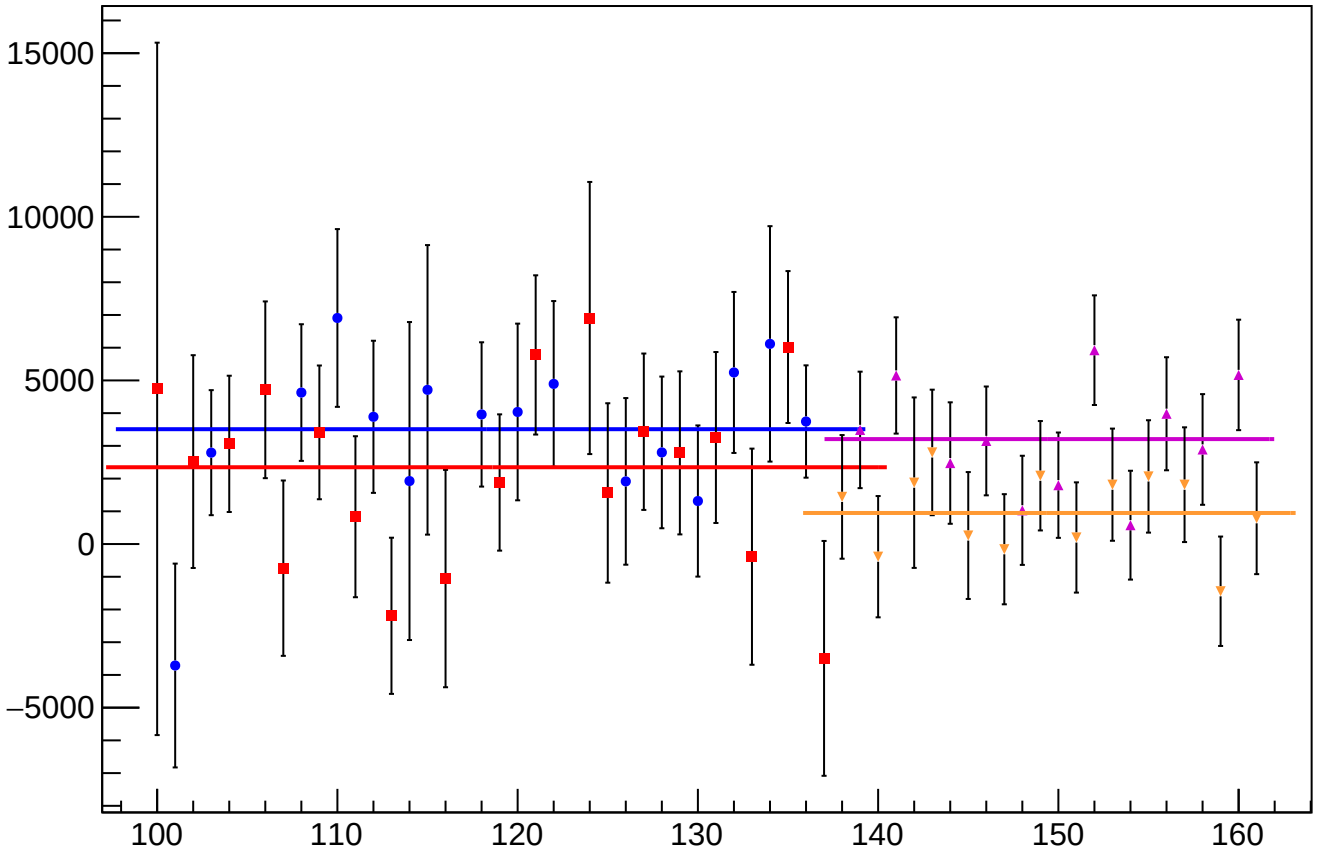
Left: 5003.790+/-0.806 χ^2/NDF: 957734.9/23

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5021.596+/-0.883 χ^2/NDF:1033126.5/26

Out: 4829.889+/-0.829 χ^2/NDF:1400426.0/31

All: 4919.647+/-0.604 χ^2/NDF: 2458614.9/58



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 949.326+/-498.444 χ^2/NDF:5.8/12

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3206.927+/-514.099 χ^2/NDF:10.6/10

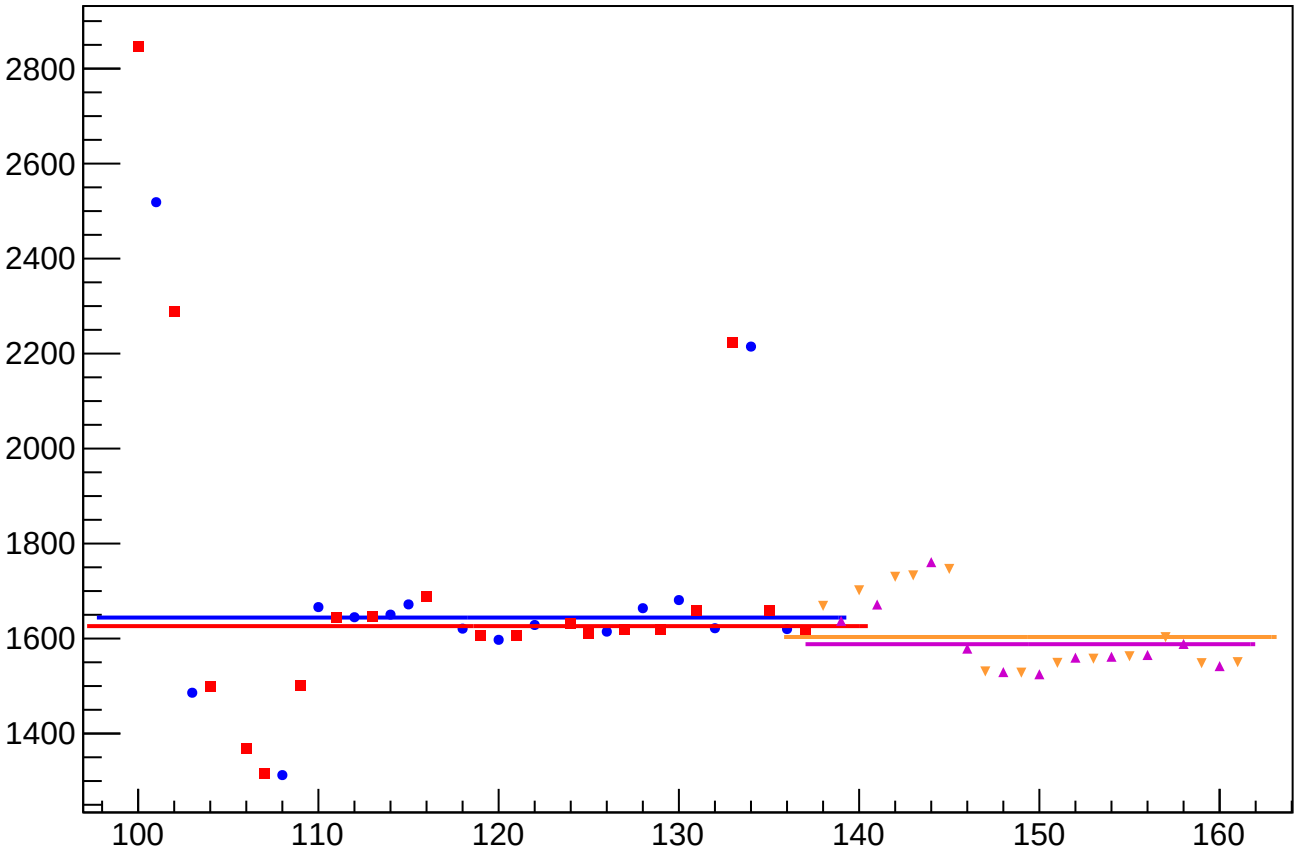
Left: 2043.229+/-357.859 χ^2/NDF: 26.3/23

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3330.982+/-394.891 χ^2/NDF:21.1/26

Out: 1511.610+/-385.340 χ^2/NDF:26.1/31

All: 2399.028+/-275.791 χ^2/NDF: 58.1/58



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1603.265+/-0.352 χ^2/NDF:49313.2/12

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1588.121+/-0.364 χ^2/NDF:31827.3/10

Left: 1595.927+/-0.253 χ^2/NDF: 82035.1/23

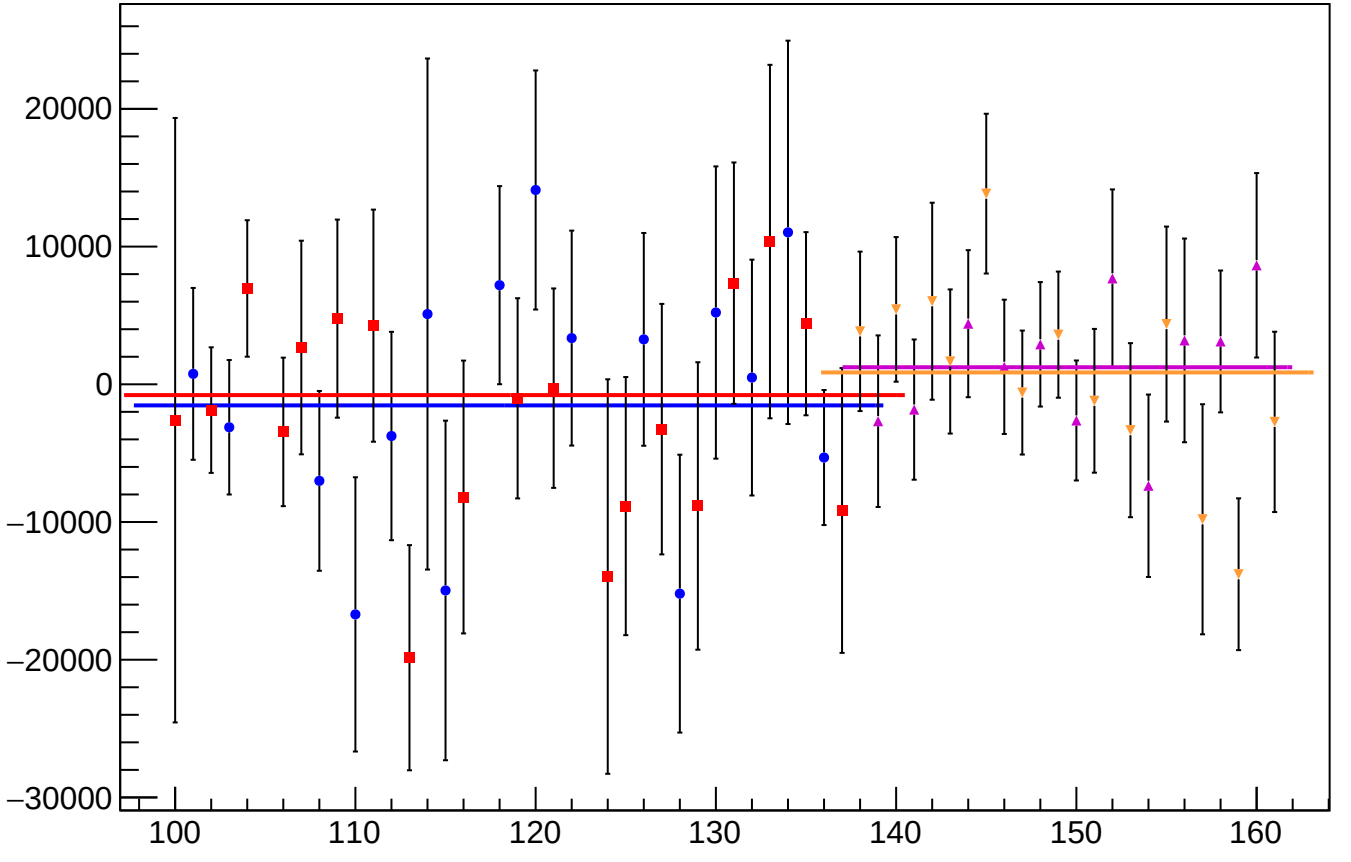
Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1611.112+/-0.279 χ^2/NDF:316401.3/26

Out: 1612.492+/-0.272 χ^2/NDF:288653.7/31

All: 1611.819+/-0.195 χ^2/NDF: 605067.5/58

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 862.031+/-1578.804 χ^2/NDF:16.9/12

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1239.094+/-1648.150 χ^2/NDF:6.1/10

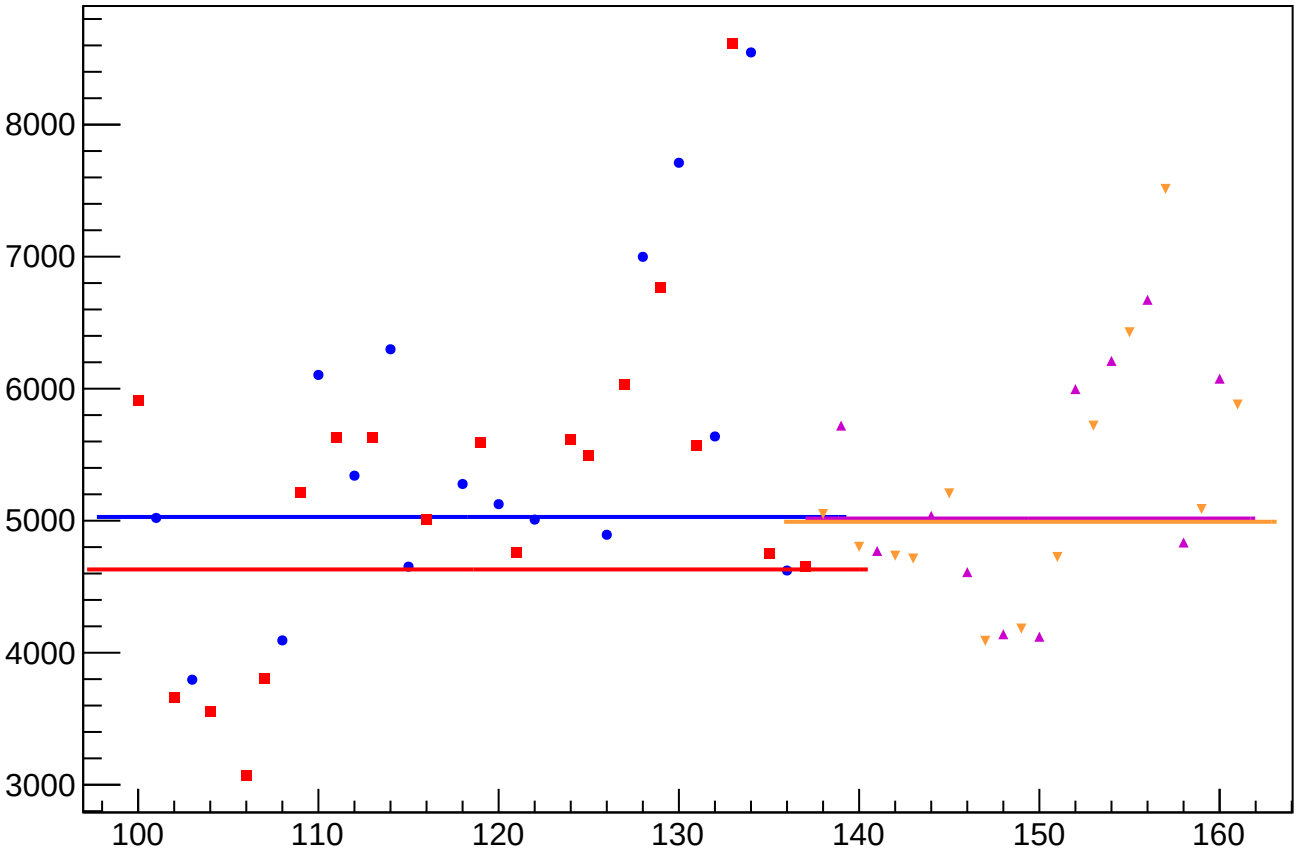
Left: 1042.463+/-1140.111 χ^2/NDF: 23.1/23

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 59.028+/-1248.865 χ^2/NDF:21.2/26

Out: 122.670+/-1171.816 χ^2/NDF:32.4/31

All: 92.873+/-854.540 χ^2/NDF: 53.6/58



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4992.122+/-1.116 χ^2/NDF:489893.4/12

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5016.521+/-1.165 χ^2/NDF:467611.0/10

Left: 5003.797+/-0.806 χ^2/NDF: 957733.0/23

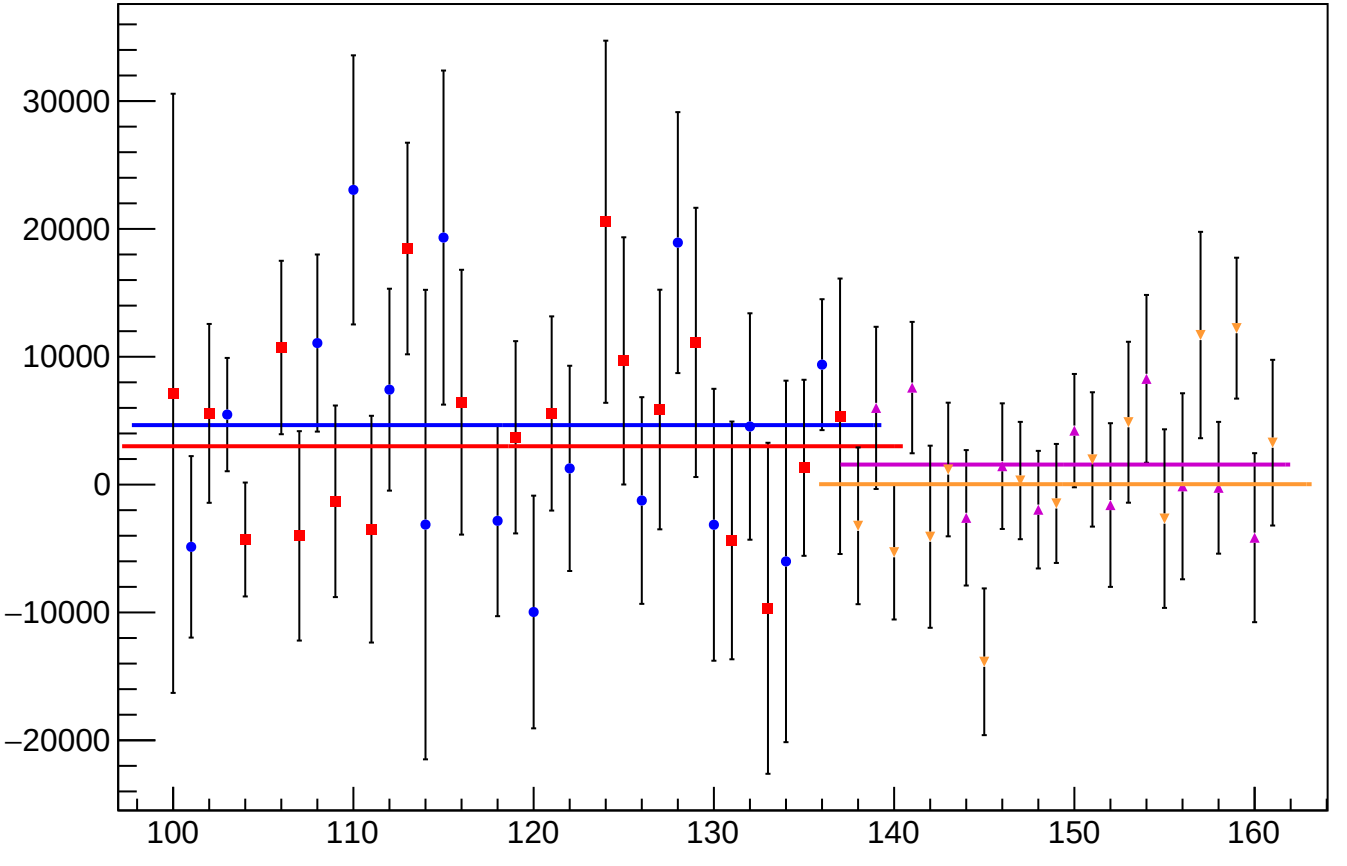
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5021.598+/-0.883 χ^2/NDF:1033118.7/26

Out: 4829.890+/-0.829 χ^2/NDF:1400423.2/31

All: 4919.648+/-0.604 χ^2/NDF: 2458604.5/58

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 32.243+/-1586.908 χ^2/NDF:15.8/12

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1567.693+/-1655.228 χ^2/NDF:5.6/10

Left: 767.626+/-1145.505 χ^2/NDF: 21.9/23

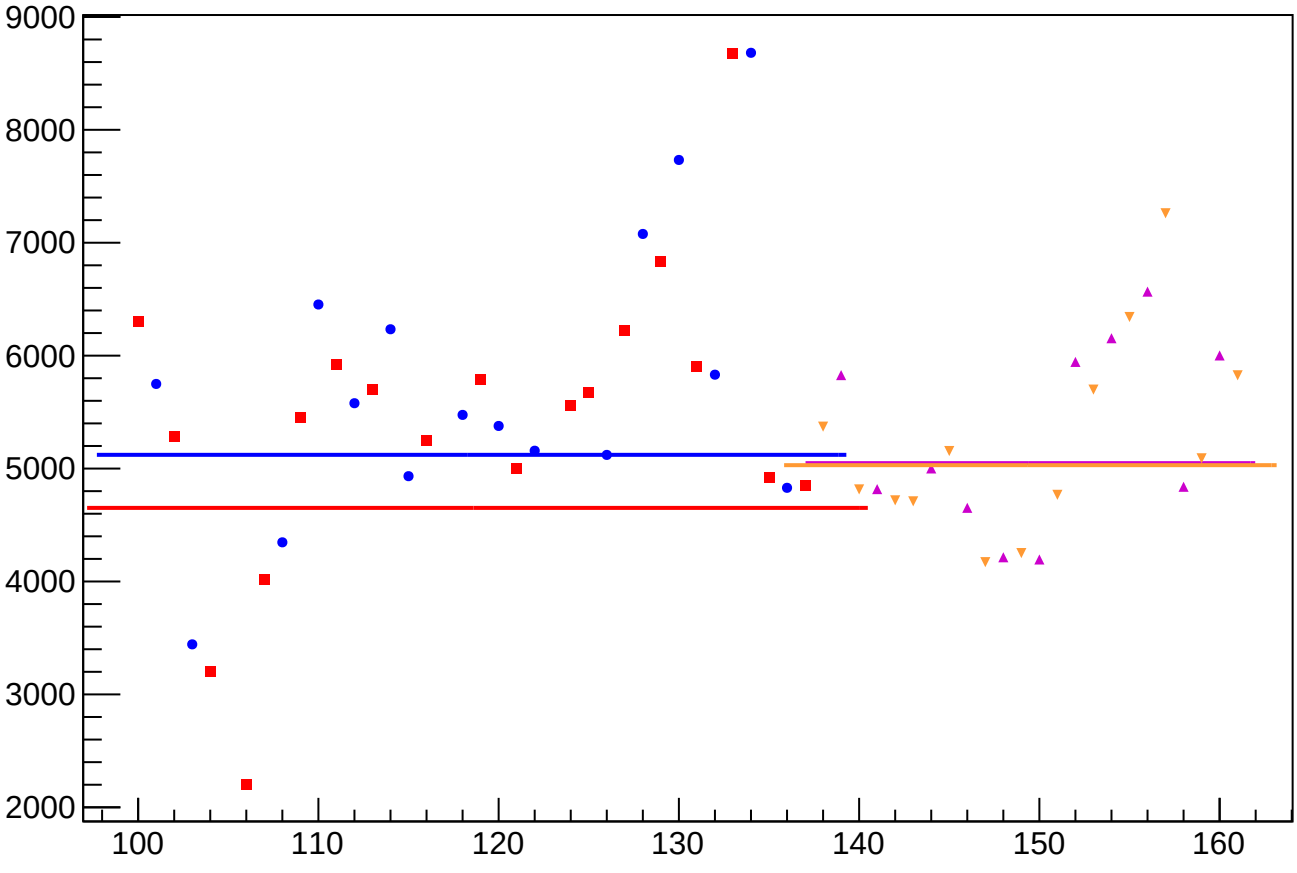
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2853.292+/-1264.202 χ^2/NDF:22.6/26

Out: 1265.254+/-1213.407 χ^2/NDF:31.1/31

All: 2026.729+/-875.415 χ^2/NDF: 54.5/58

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5030.094+/-1.122 χ^2/NDF:429215.3/12

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5048.066+/-1.170 χ^2/NDF:415274.8/10

Left: 5038.702+/-0.810 χ^2/NDF: 844613.0/23

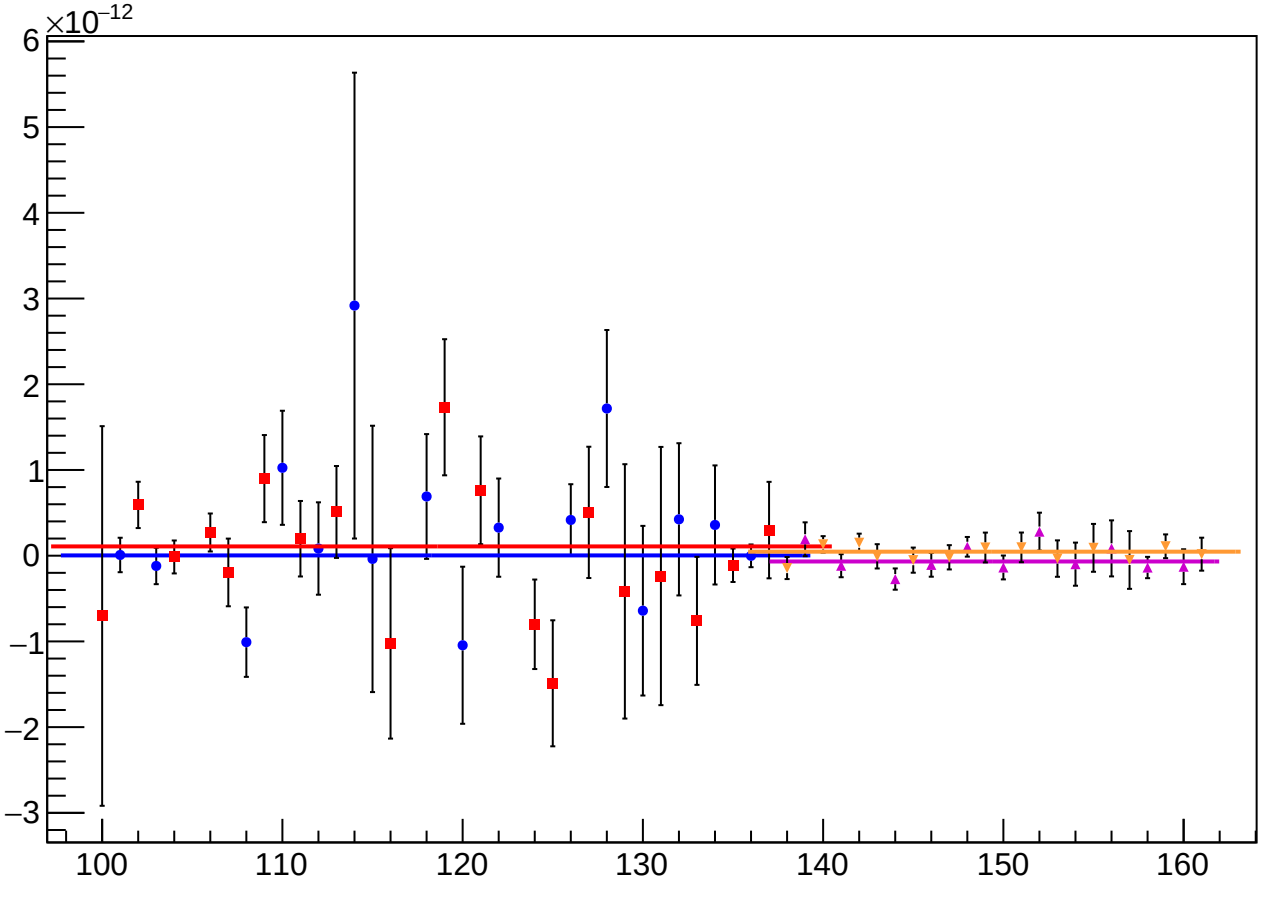
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5078.723+/-0.894 χ^2/NDF:1137291.5/26

Out: 4865.724+/-0.844 χ^2/NDF:1823475.9/31

All: 4966.096+/-0.614 χ^2/NDF: 2990788.0/58

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/10

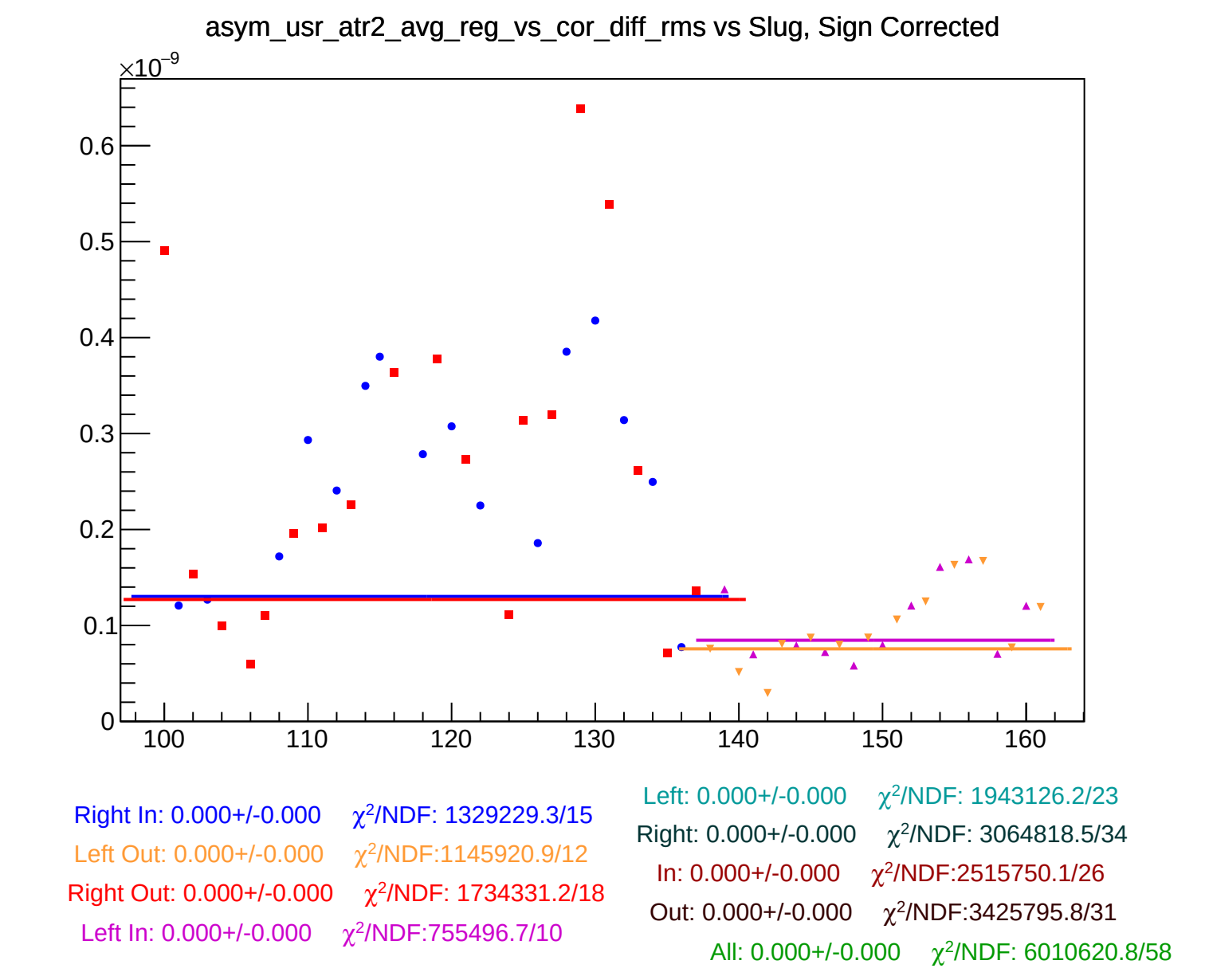
Left: -0.000+/-0.000 χ^2/NDF: 19.1/23

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

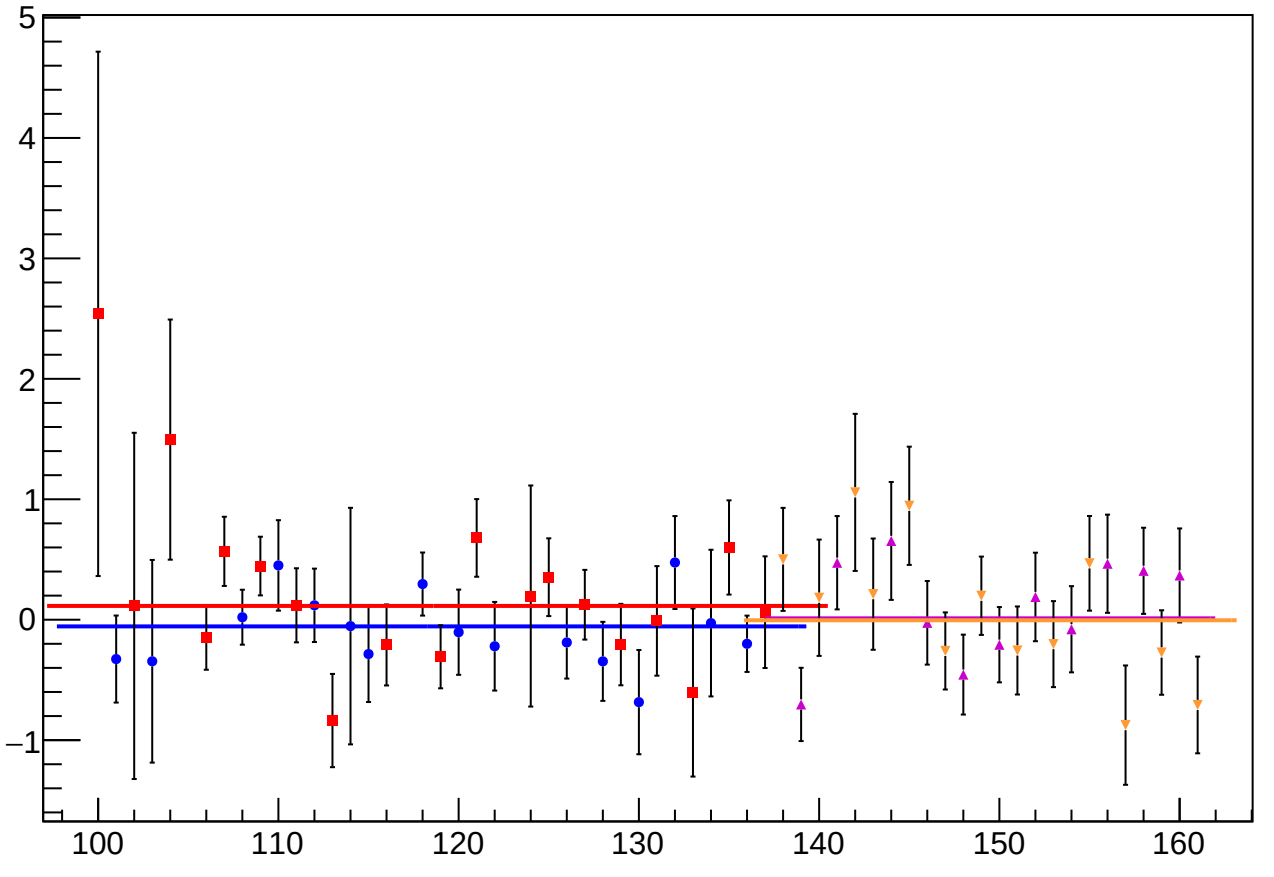
In: -0.000+/-0.000 χ^2/NDF:28.8/26

Out: 0.000+/-0.000 χ^2/NDF:31.0/31

All: 0.000+/-0.000 χ^2/NDF: 63.7/58


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1145920.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:755496.7/10
Left: 0.000+/-0.000 χ²/NDF: 1943126.2/23
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2515750.1/26
Out: 0.000+/-0.000 χ²/NDF:3425795.8/31
All: 0.000+/-0.000 χ²/NDF: 6010620.8/58

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: -0.005+/-0.112 χ^2/NDF:18.2/12

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.011+/-0.109 χ^2/NDF:14.7/10

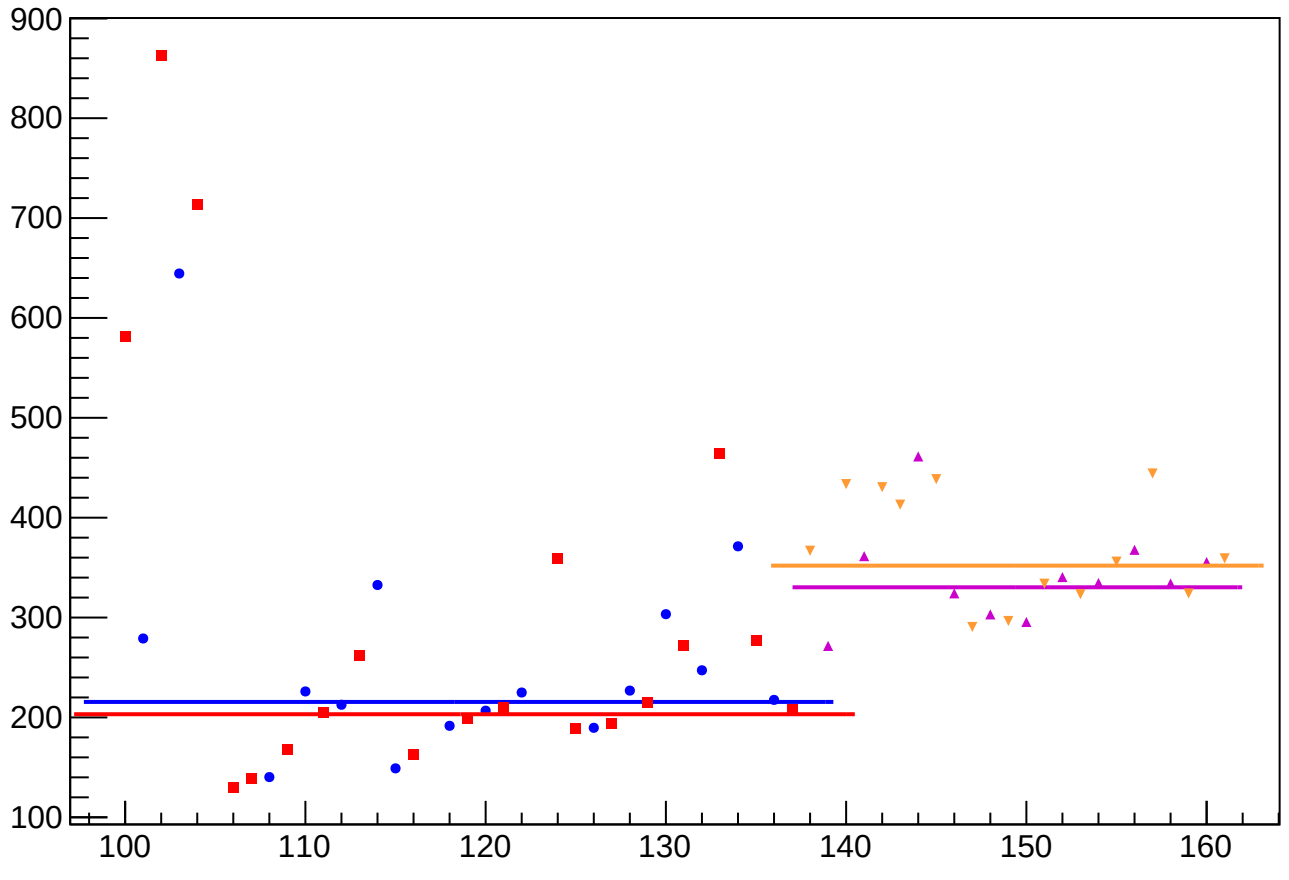
Left: 0.004+/-0.078 χ^2/NDF: 32.9/23

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.072+/-0.067 χ^2/NDF:44.1/31

All: 0.021+/-0.047 χ^2/NDF: 70.9/58



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.983+/-0.079 χ^2/NDF:418208.1/12

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

Left: 340.851+/-0.055 χ^2/NDF: 753688.8/23

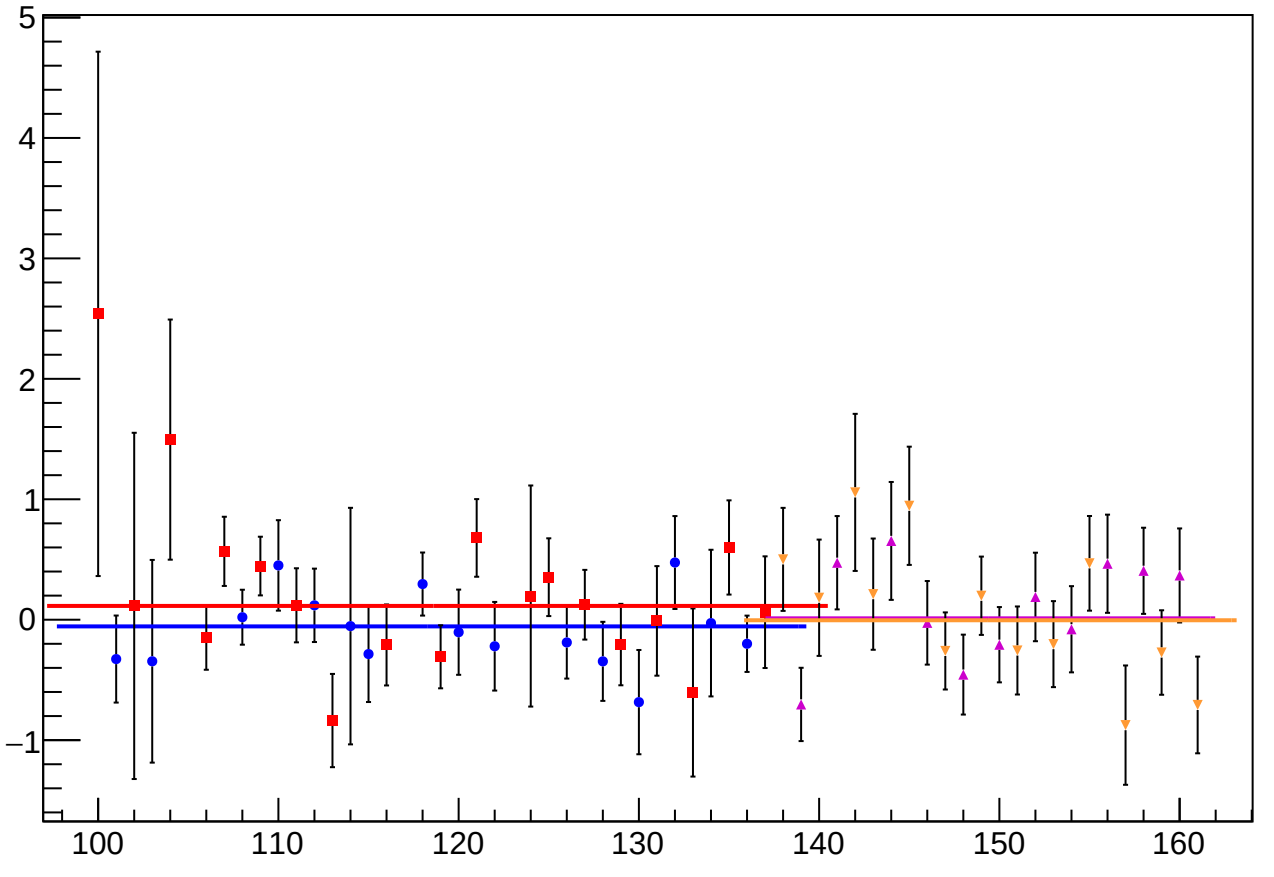
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 259.449+/-0.047 χ^2/NDF:2826033.2/26

Out: 256.405+/-0.047 χ^2/NDF:4539605.6/31

All: 257.917+/-0.033 χ^2/NDF: 7367707.2/58

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: -0.005+/-0.112 χ^2/NDF:18.2/12

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.011+/-0.109 χ^2/NDF:14.7/10

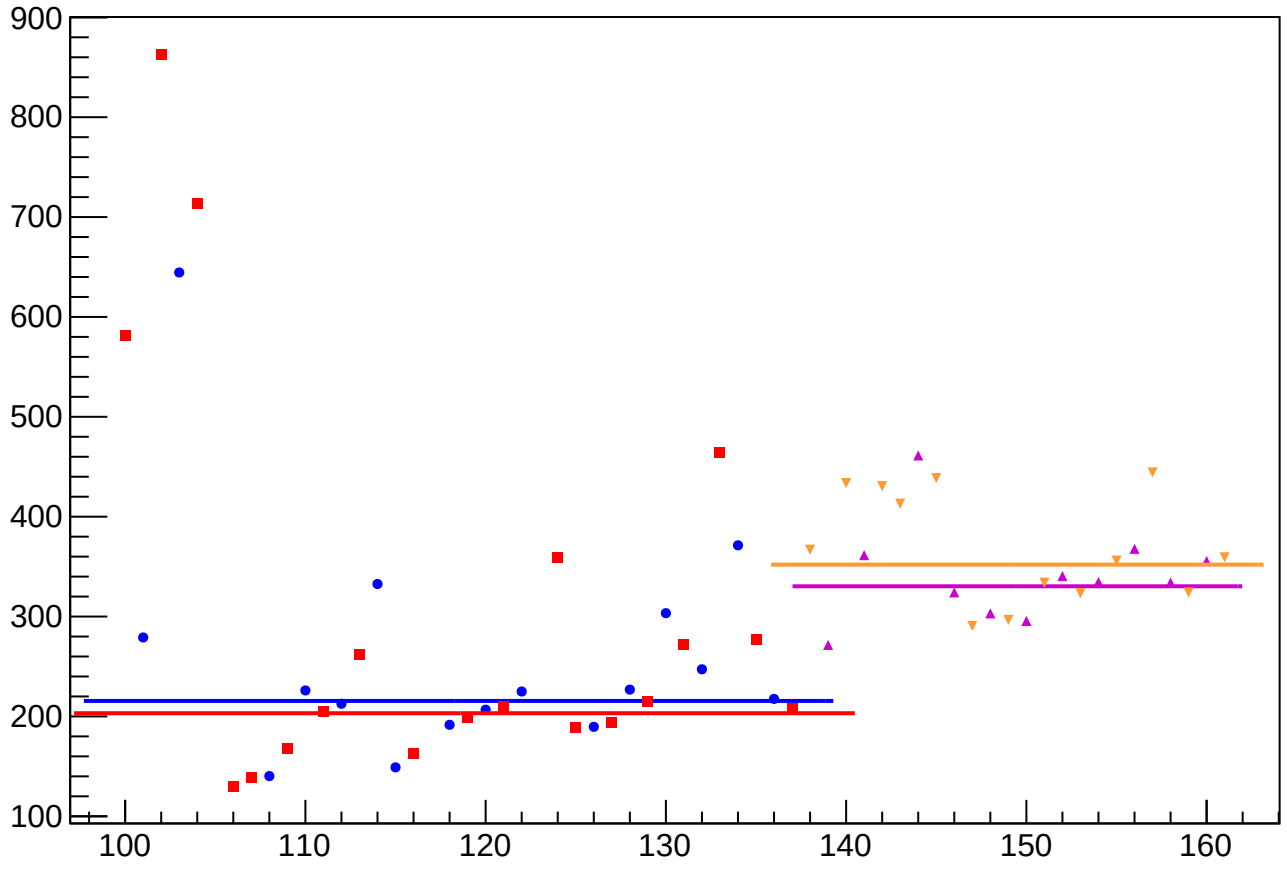
Left: 0.004+/-0.078 χ^2/NDF: 32.9/23

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.072+/-0.067 χ^2/NDF:44.1/31

All: 0.021+/-0.047 χ^2/NDF: 70.9/58



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.983+/-0.079 χ^2/NDF:418208.1/12

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

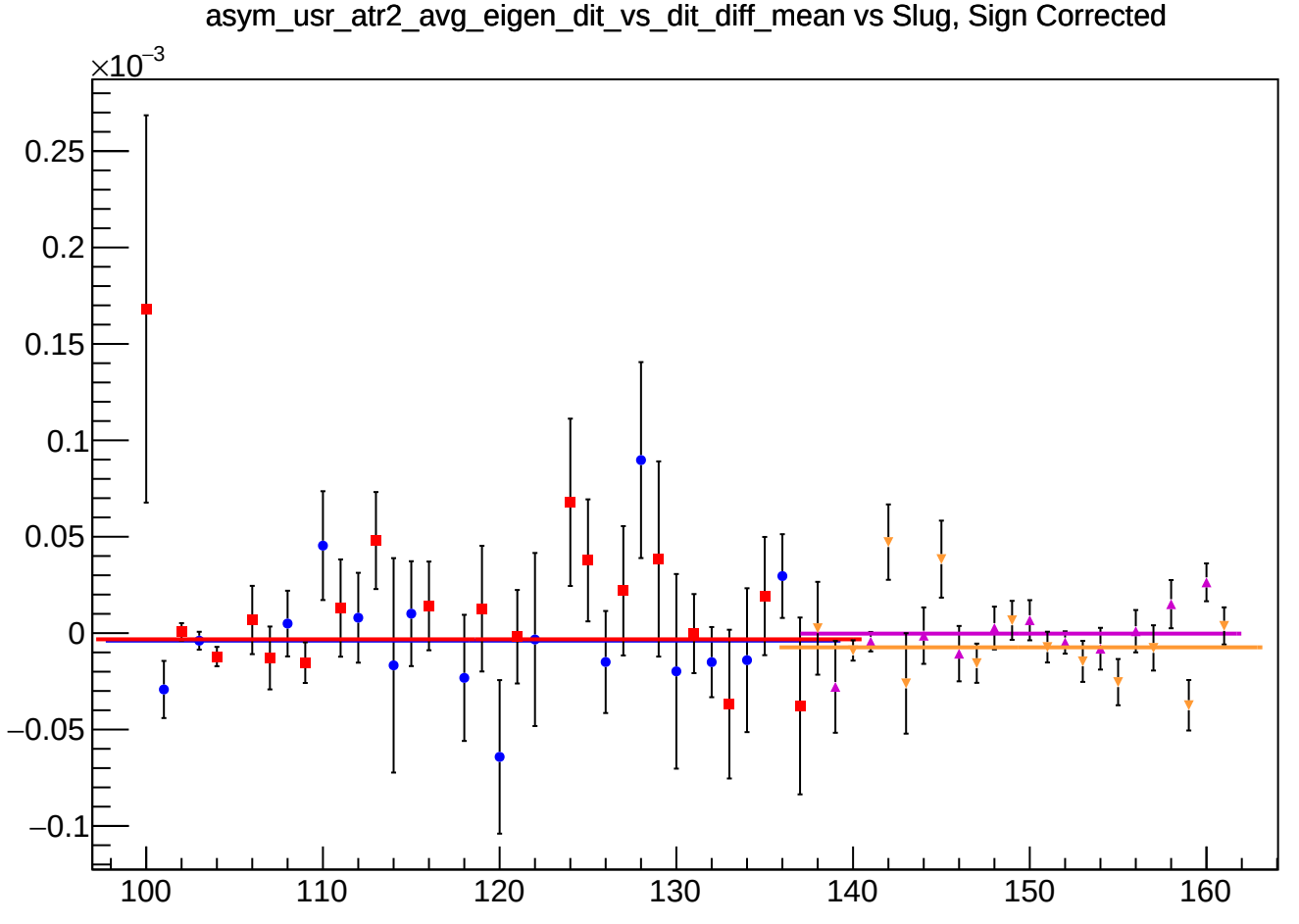
Left: 340.851+/-0.055 χ^2/NDF: 753688.8/23

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 259.449+/-0.047 χ^2/NDF:2826033.2/26

Out: 256.405+/-0.047 χ^2/NDF:4539605.6/31

All: 257.917+/-0.033 χ^2/NDF: 7367707.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/10

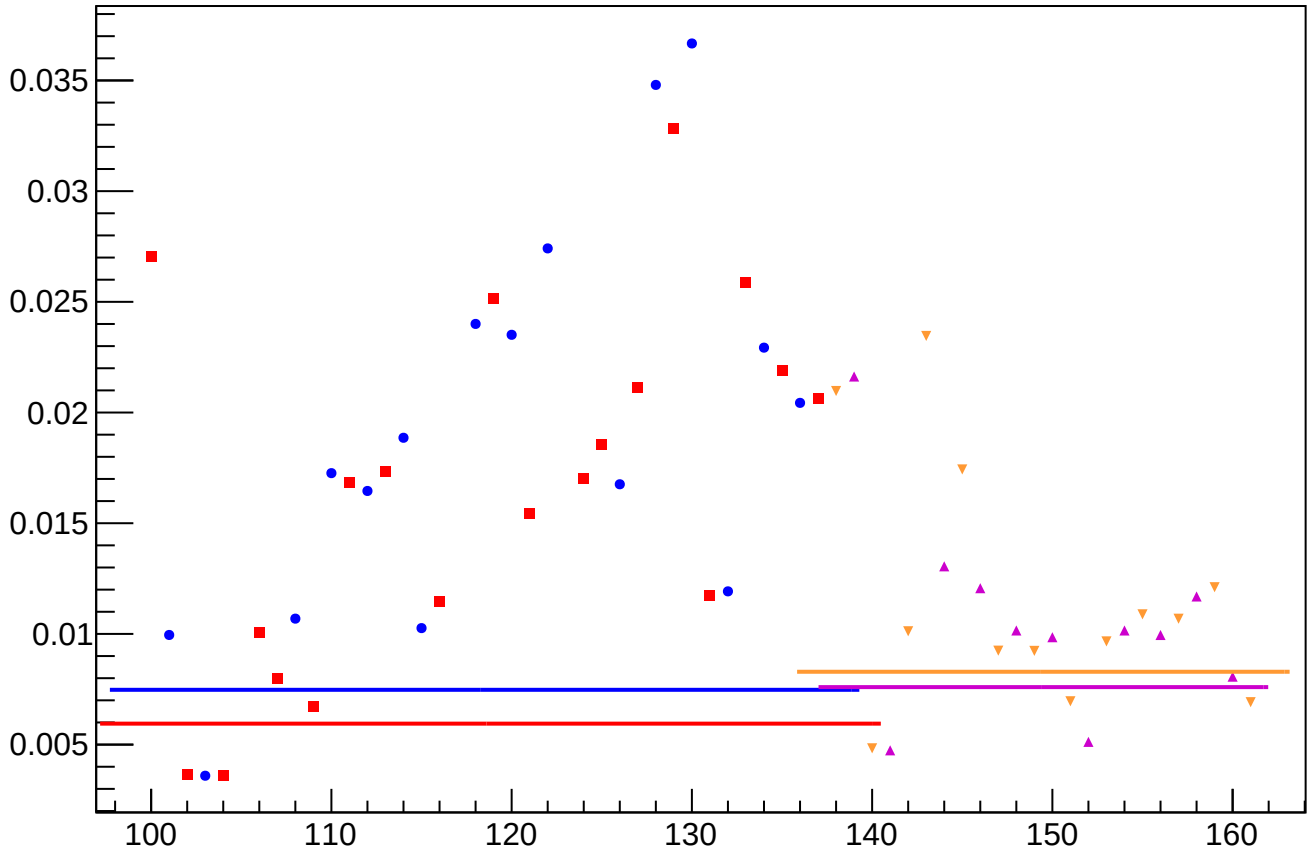
Left: -0.000+/-0.000 χ^2/NDF: 42.0/23

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:29.6/26

Out: -0.000+/-0.000 χ^2/NDF:48.4/31

All: -0.000+/-0.000 χ^2/NDF: 79.6/58



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:3042396.5/12

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2794396.8/10

Left: 0.008+/-0.000 χ^2/NDF: 5896935.3/23

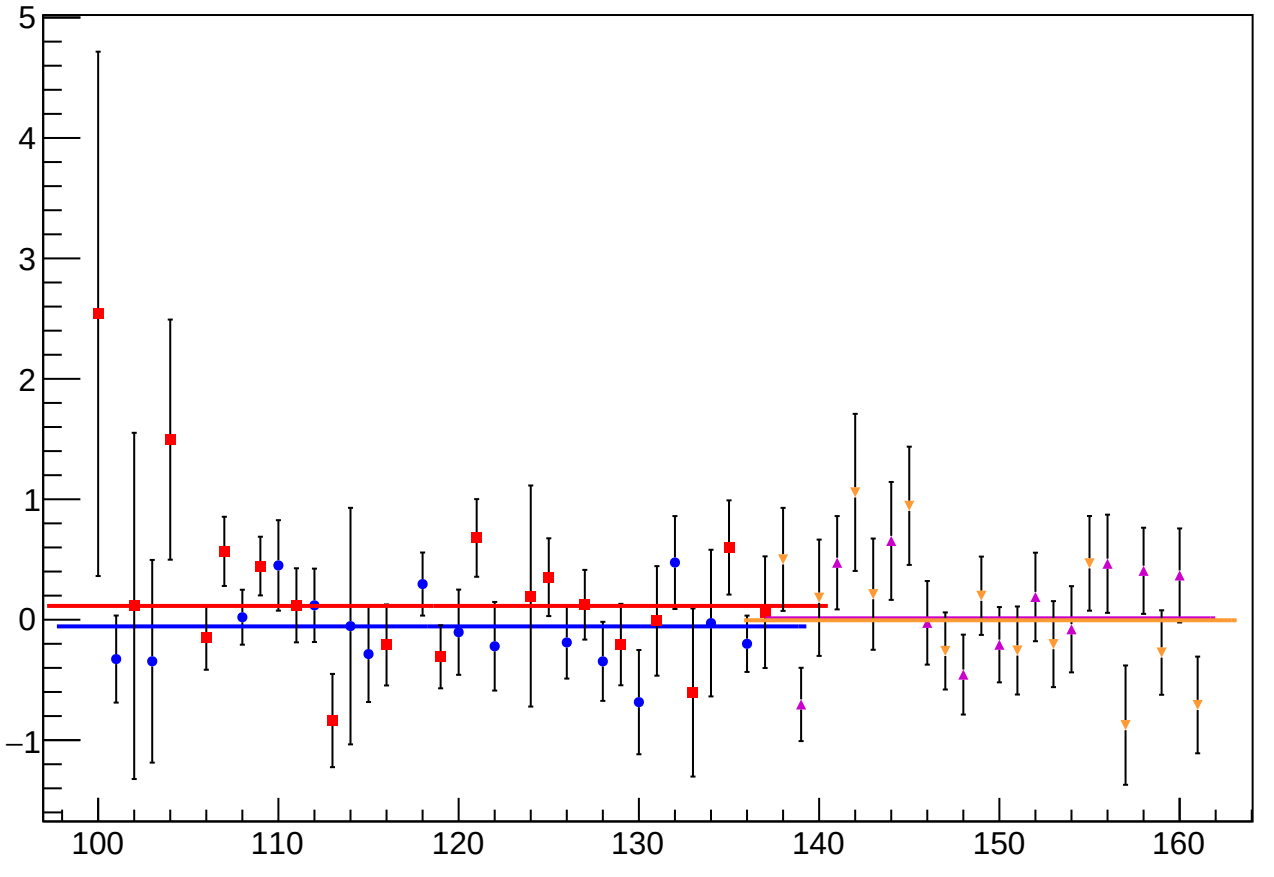
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:8871941.9/26

Out: 0.007+/-0.000 χ^2/NDF:9631012.4/31

All: 0.007+/-0.000 χ^2/NDF: 18544456.1/58

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: -0.005+/-0.112 χ^2/NDF:18.2/12

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.011+/-0.109 χ^2/NDF:14.7/10

Left: 0.004+/-0.078 χ^2/NDF: 32.9/23

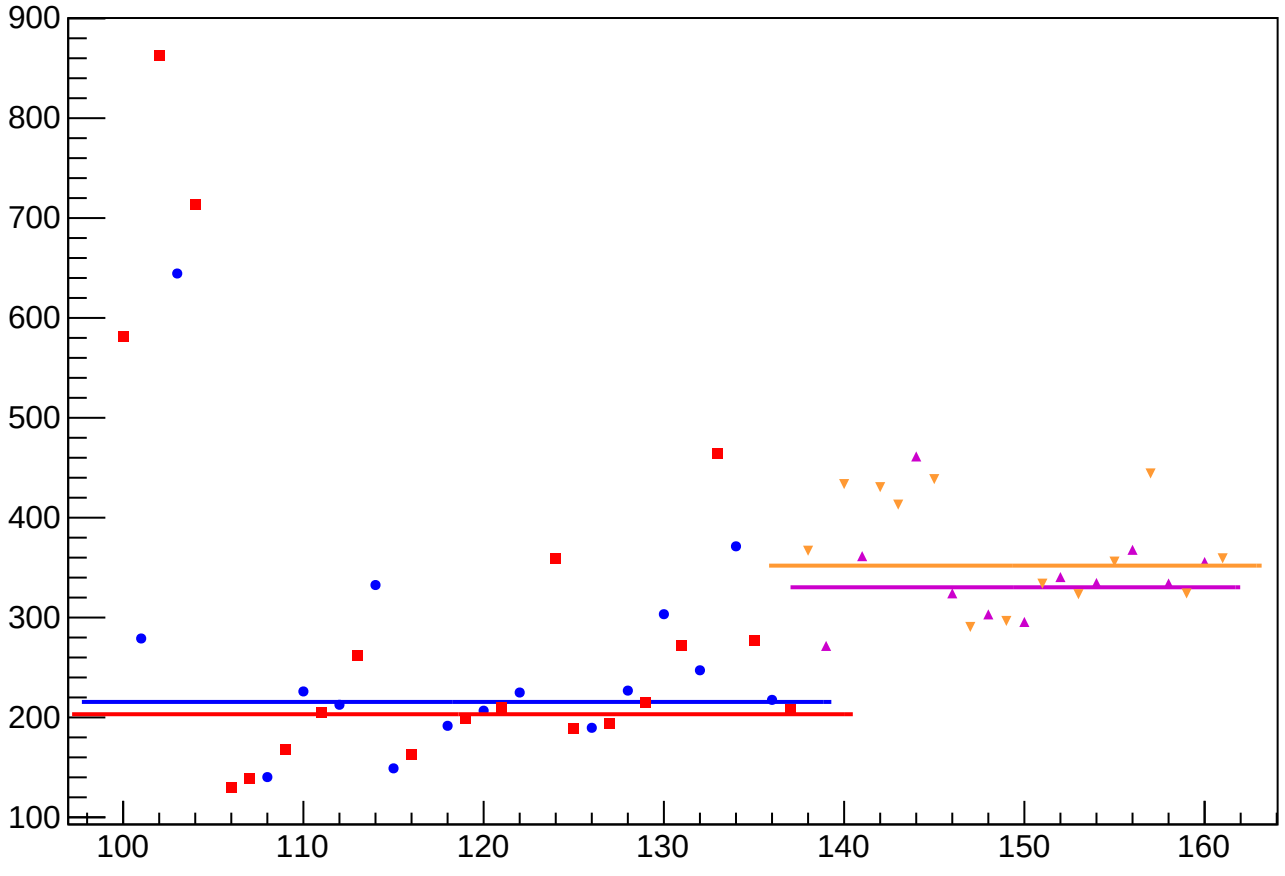
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.072+/-0.067 χ^2/NDF:44.1/31

All: 0.021+/-0.047 χ^2/NDF: 70.9/58

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: 351.988+/-0.079 χ^2/NDF:418197.1/12

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

Left: 340.856+/-0.055 χ^2/NDF: 753663.7/23

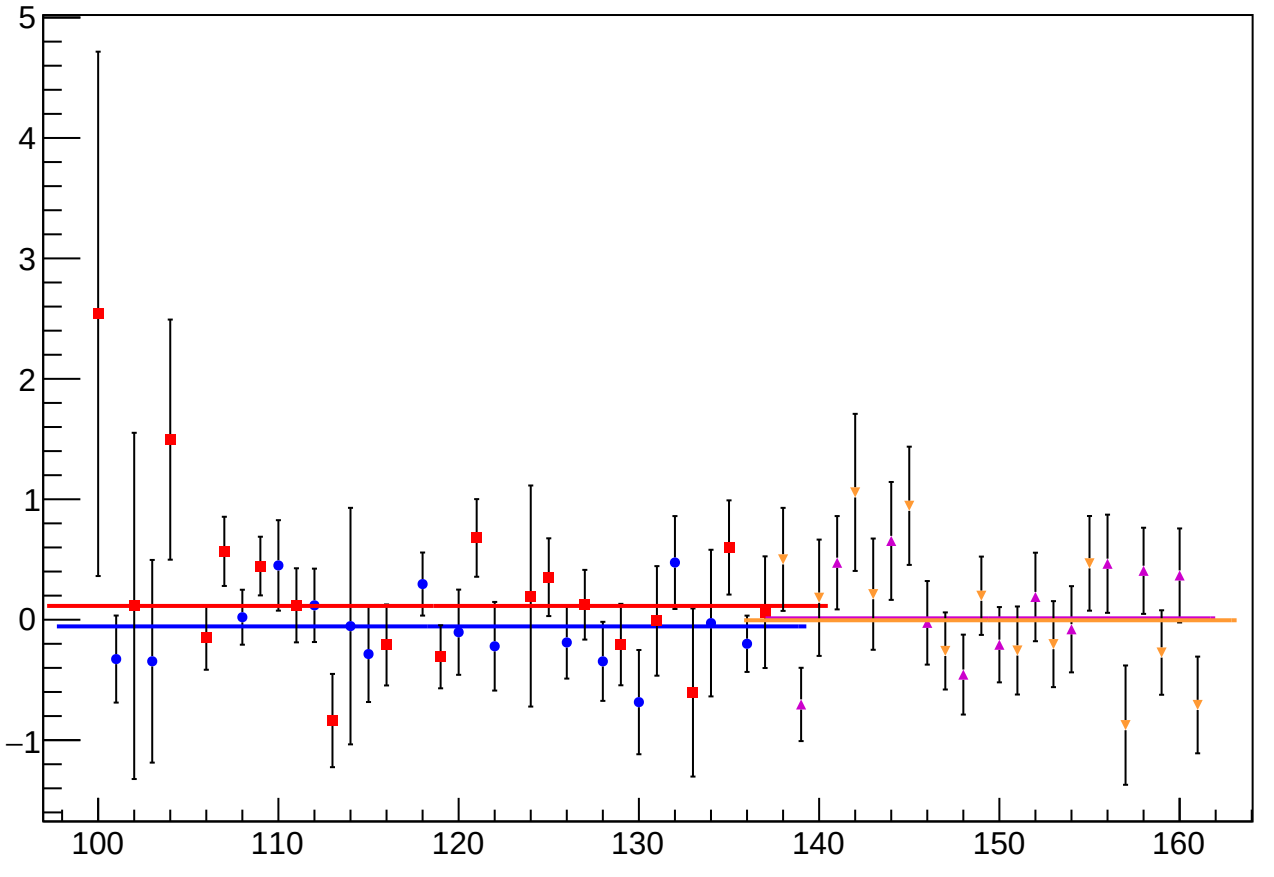
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 259.449+/-0.047 χ^2/NDF:2826122.2/26

Out: 256.405+/-0.047 χ^2/NDF:4539754.1/31

All: 257.917+/-0.033 χ^2/NDF: 7367945.4/58

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: -0.005+/-0.112 χ^2/NDF:18.2/12

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.011+/-0.109 χ^2/NDF:14.7/10

Left: 0.004+/-0.078 χ^2/NDF: 32.9/23

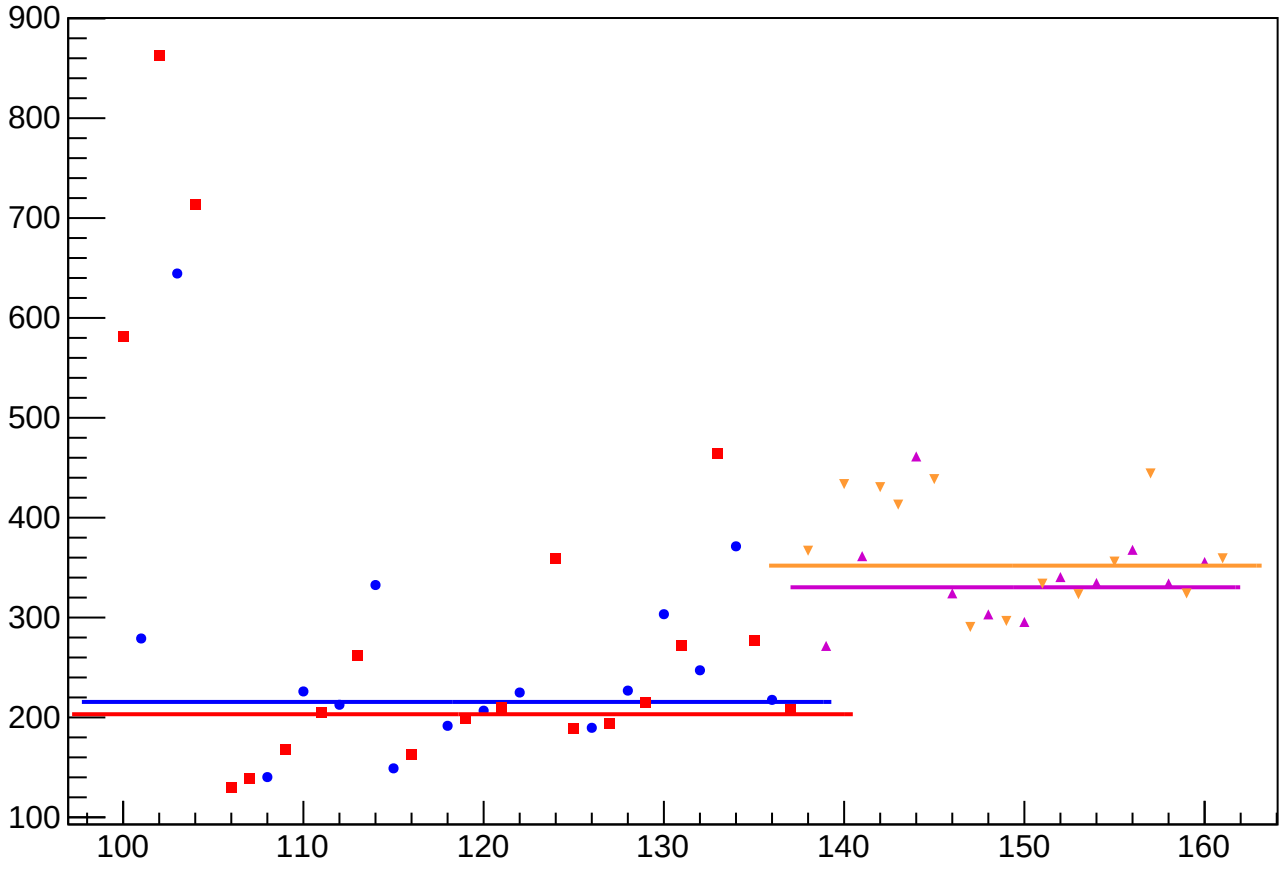
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.030+/-0.067 χ^2/NDF:25.6/26

Out: 0.072+/-0.067 χ^2/NDF:44.1/31

All: 0.021+/-0.047 χ^2/NDF: 70.9/58

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.988+/-0.079 χ^2/NDF:418197.1/12

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

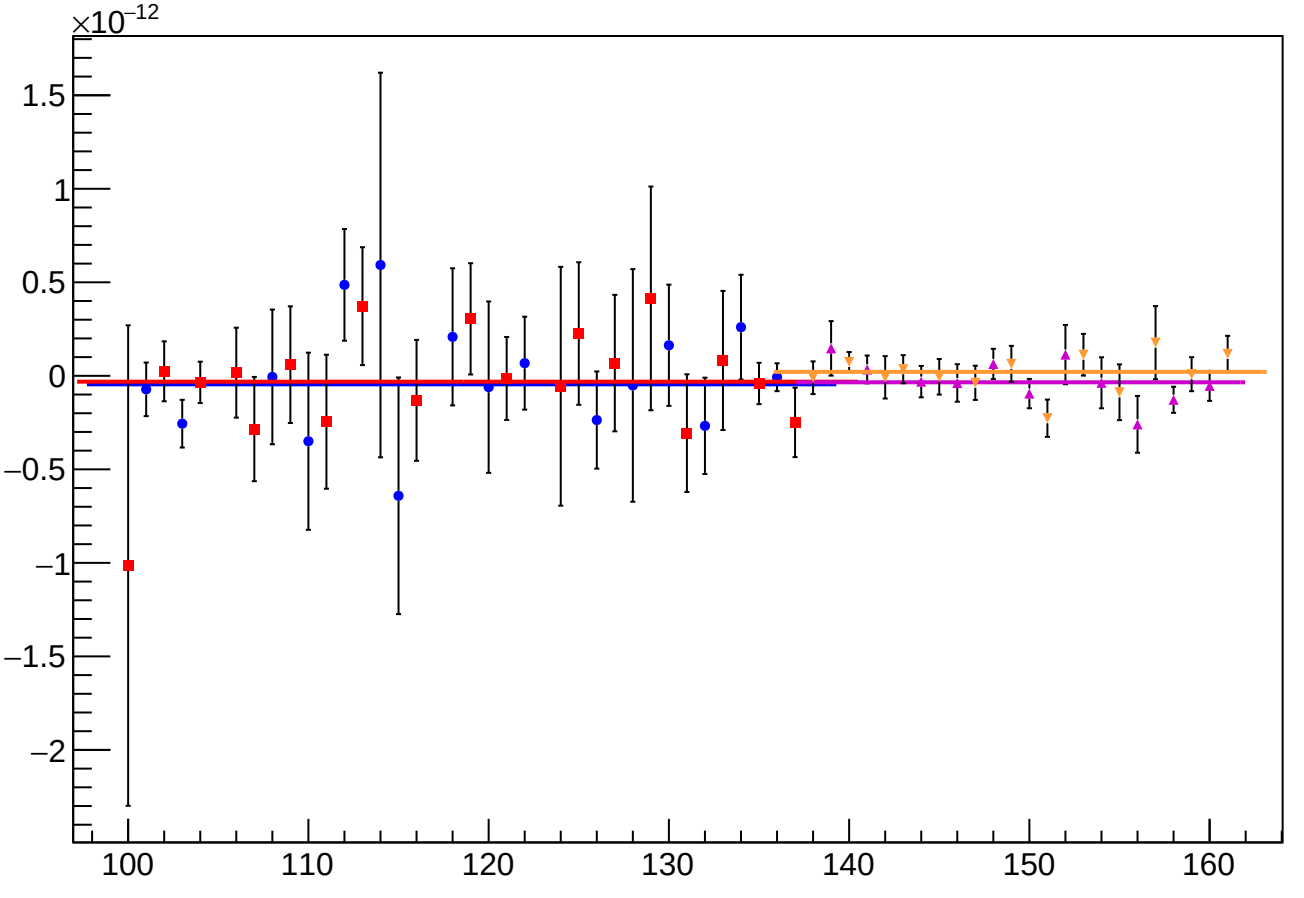
Left: 340.856+/-0.055 χ^2/NDF: 753663.7/23

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 259.449+/-0.047 χ^2/NDF:2826122.2/26

Out: 256.405+/-0.047 χ^2/NDF:4539754.1/31

All: 257.917+/-0.033 χ^2/NDF: 7367945.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/10

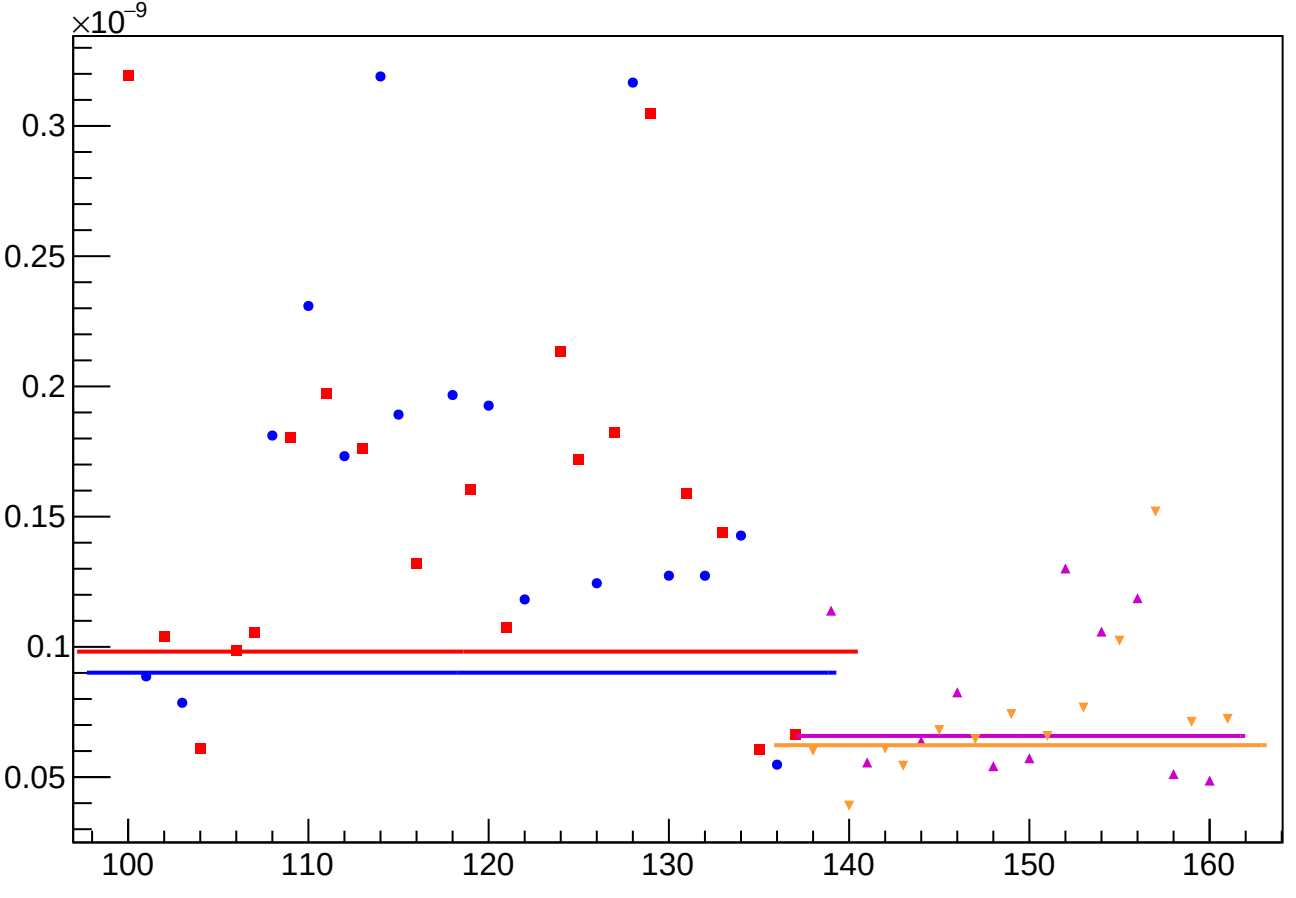
Left: -0.000+/-0.000 χ^2/NDF: 22.5/23

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:20.9/26

Out: 0.000+/-0.000 χ^2/NDF:20.1/31

All: -0.000+/-0.000 χ^2/NDF: 43.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1089291.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1300833.3/10

Left: 0.000+/-0.000 χ^2/NDF: 2407807.1/23

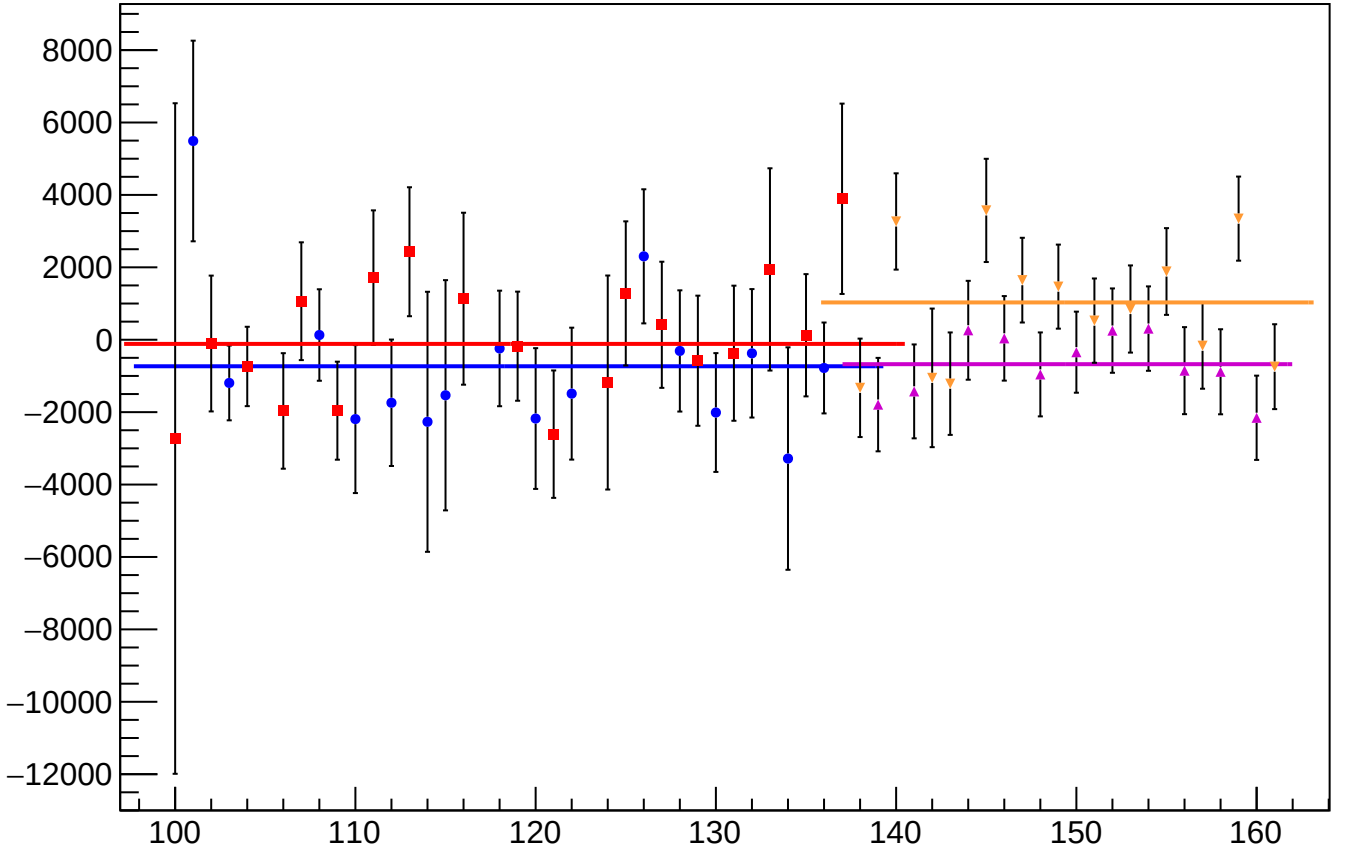
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3469007.3/26

Out: 0.000+/-0.000 χ^2/NDF:3553969.9/31

All: 0.000+/-0.000 χ^2/NDF: 7033856.3/58

reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1030.194+/-350.371 χ^2/NDF:21.1/12

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -675.108+/-361.911 χ^2/NDF:5.1/10

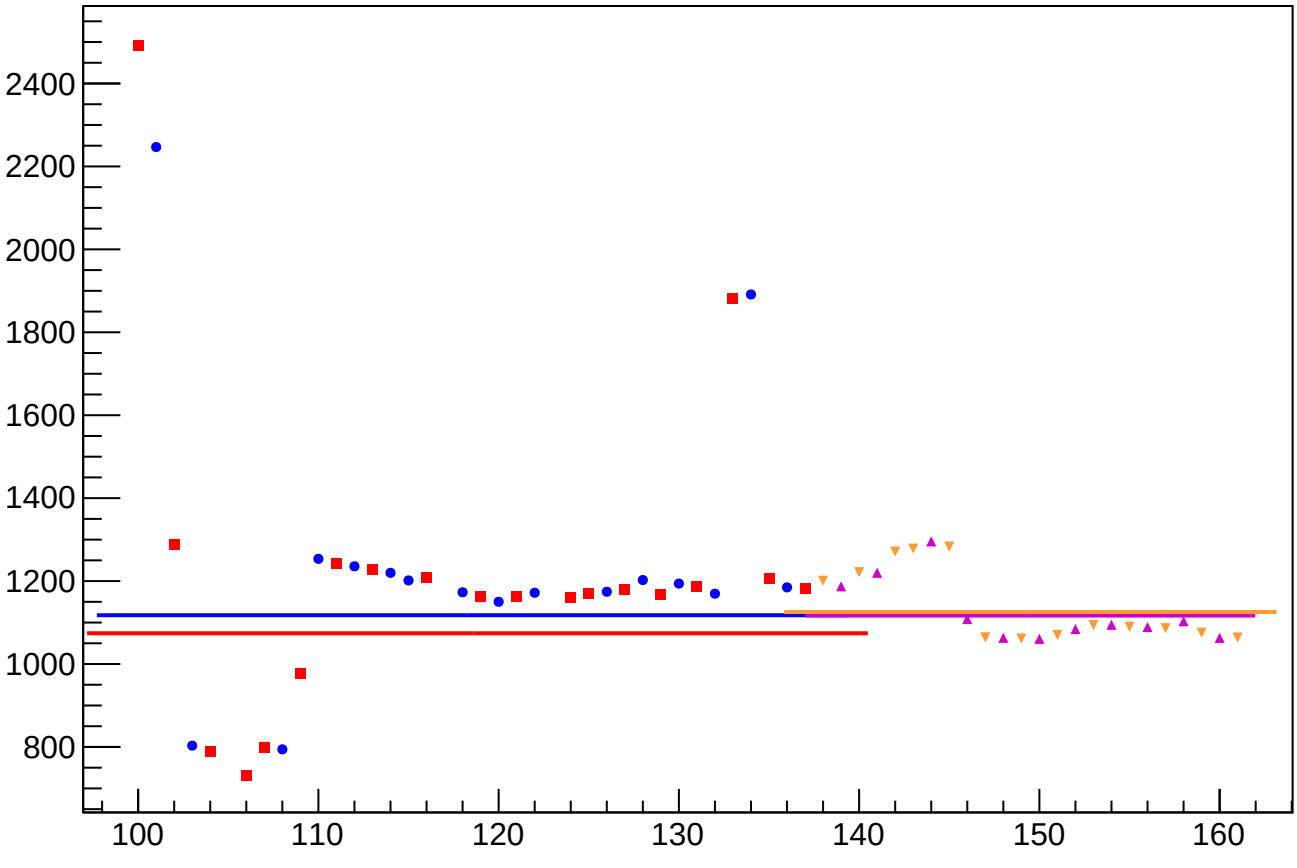
Left: 205.164+/-251.731 χ^2/NDF: 37.7/23

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -699.179+/-276.189 χ^2/NDF:16.8/26

Out: 548.792+/-266.754 χ^2/NDF:38.7/31

All: -53.512+/-191.872 χ^2/NDF: 66.1/58



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

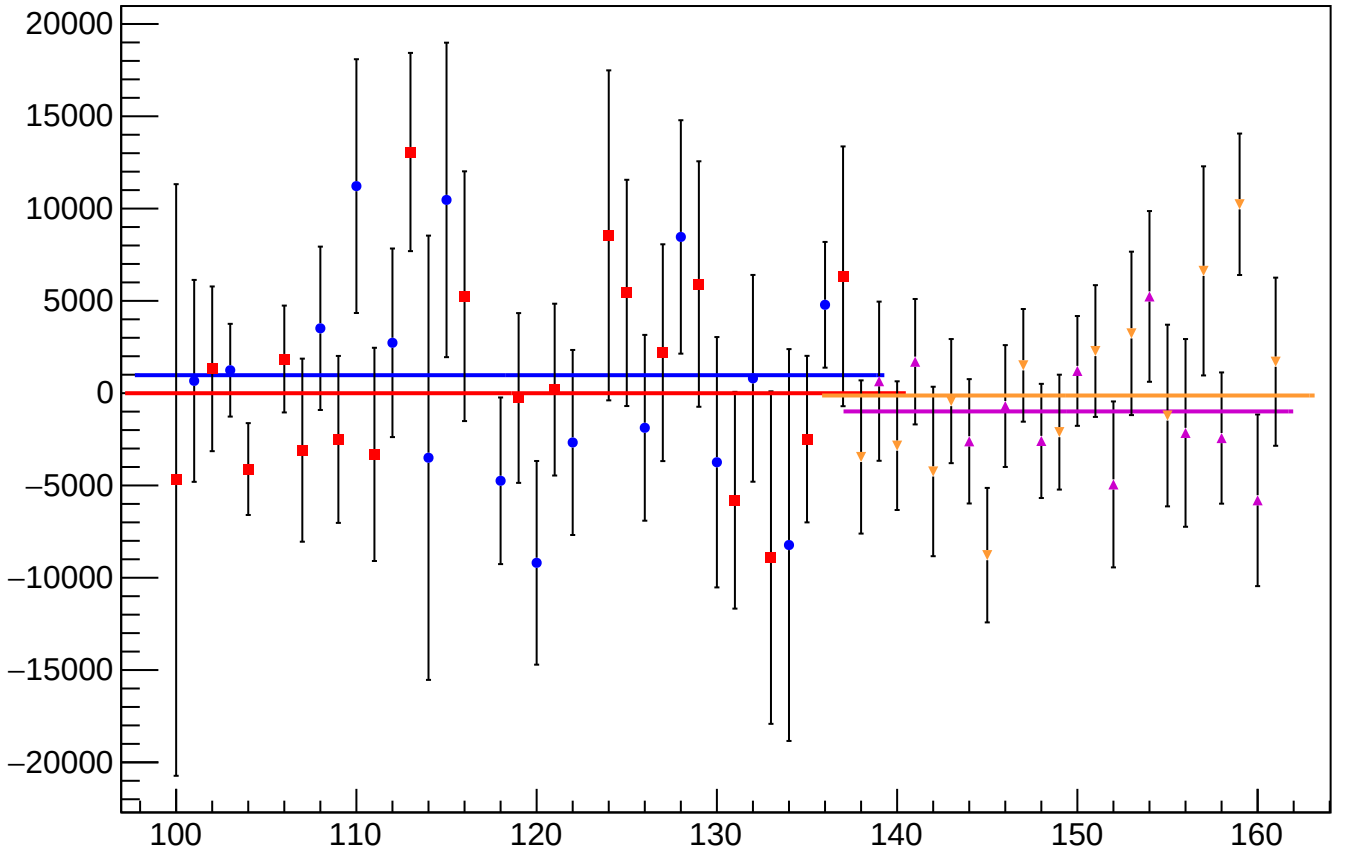
Left: 1121.271+/-0.178 χ^2/NDF: 177354.7/23

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1117.204+/-0.195 χ^2/NDF:890084.5/26

Out: 1103.651+/-0.188 χ^2/NDF:774208.7/31

All: 1110.168+/-0.135 χ^2/NDF: 1666793.1/58



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -126.833+/-1065.729 χ^2/NDF:18.4/12

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -989.262+/-1119.349 χ^2/NDF:5.7/10

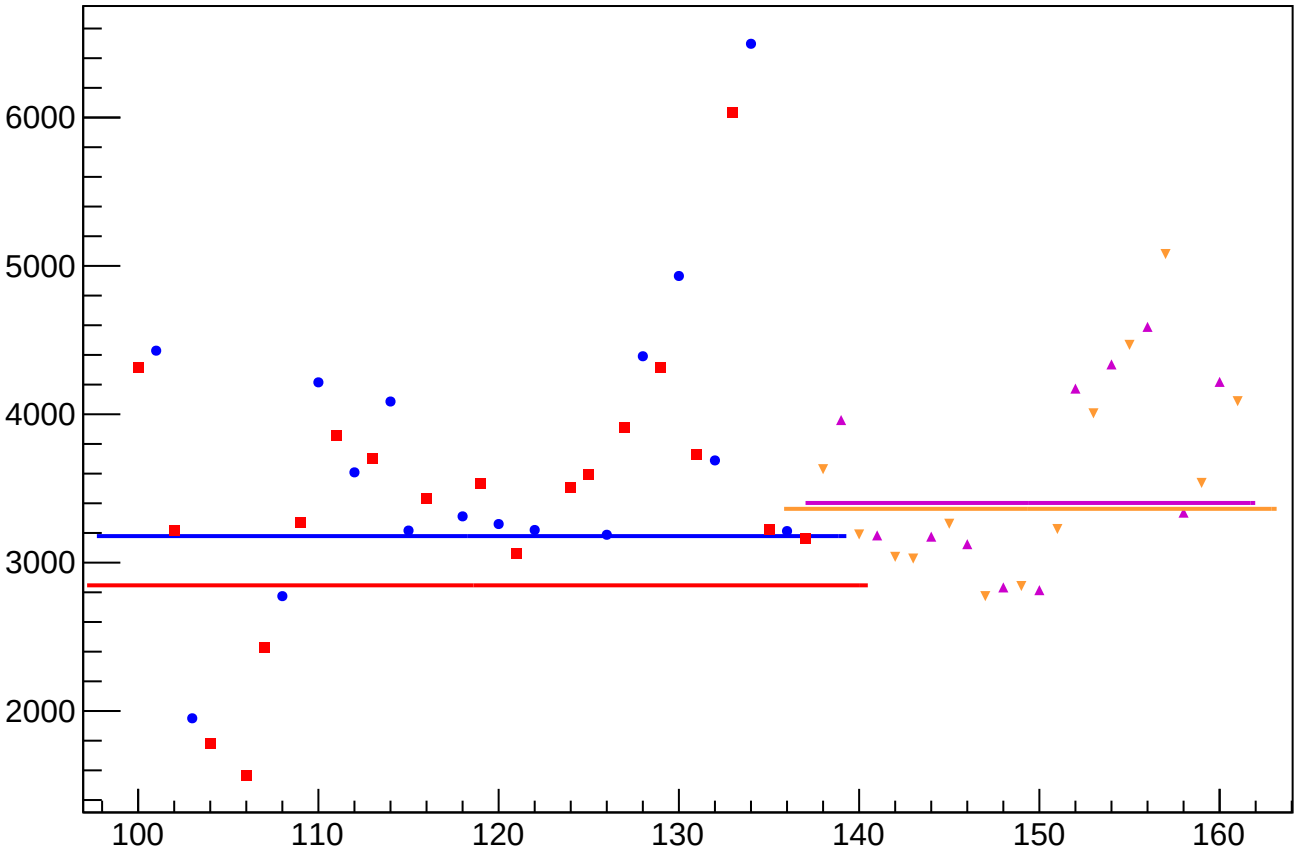
Left: -536.897+/-771.844 χ^2/NDF: 24.4/23

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: -102.180+/-828.698 χ^2/NDF:20.9/26

Out: -67.597+/-770.050 χ^2/NDF:34.9/31

All: -83.621+/-564.103 χ^2/NDF: 55.8/58



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3362.630+/-0.754 χ^2/NDF:559511.4/12

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3402.260+/-0.791 χ^2/NDF:522455.0/10

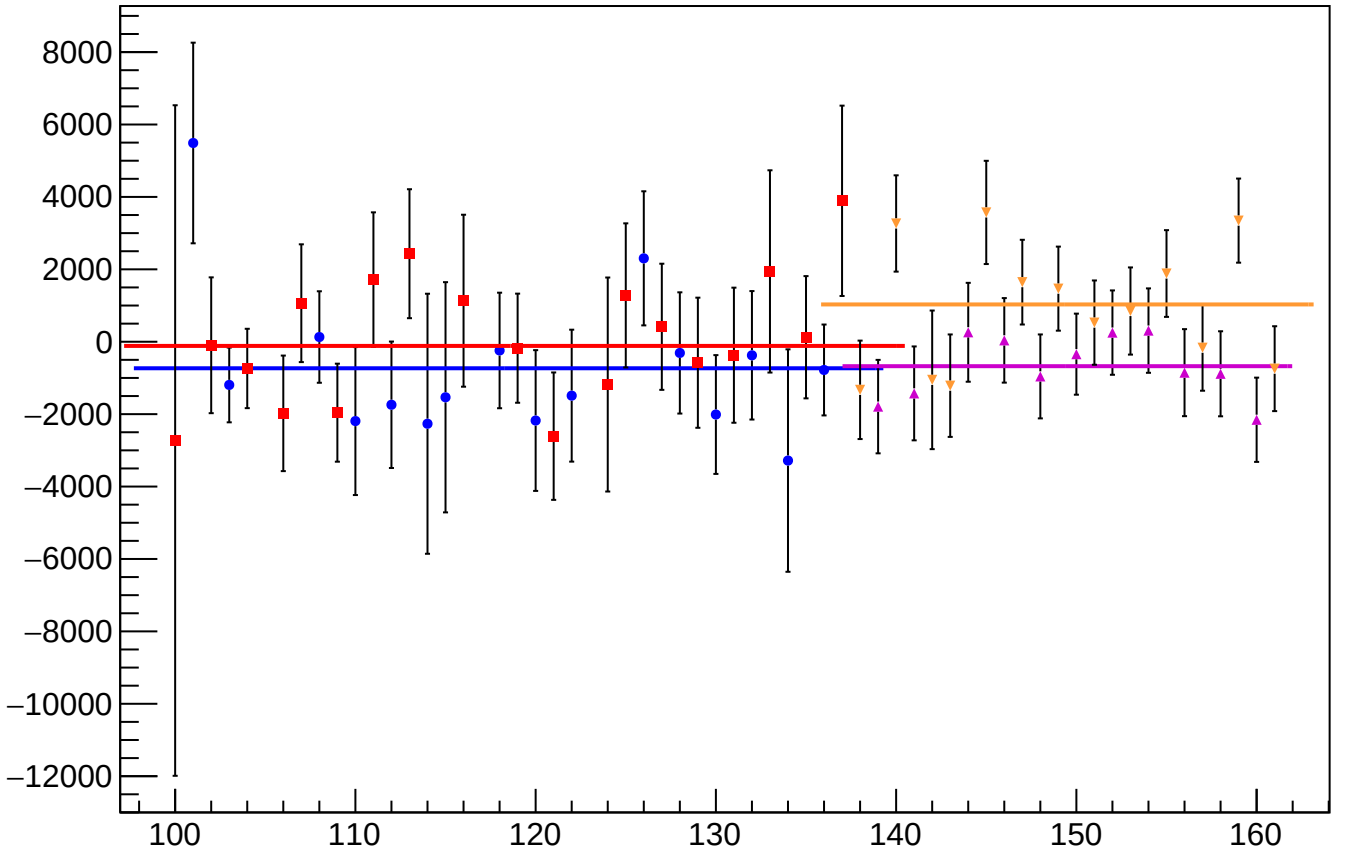
Left: 3381.473+/-0.546 χ^2/NDF: 1083281.4/23

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3301.311+/-0.586 χ^2/NDF:1650129.0/26

Out: 3116.212+/-0.545 χ^2/NDF:2294407.3/31

All: 3201.980+/-0.399 χ^2/NDF: 3998081.7/58



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1030.272+/-350.371 χ^2/NDF:21.1/12

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -675.138+/-361.911 χ^2/NDF:5.1/10

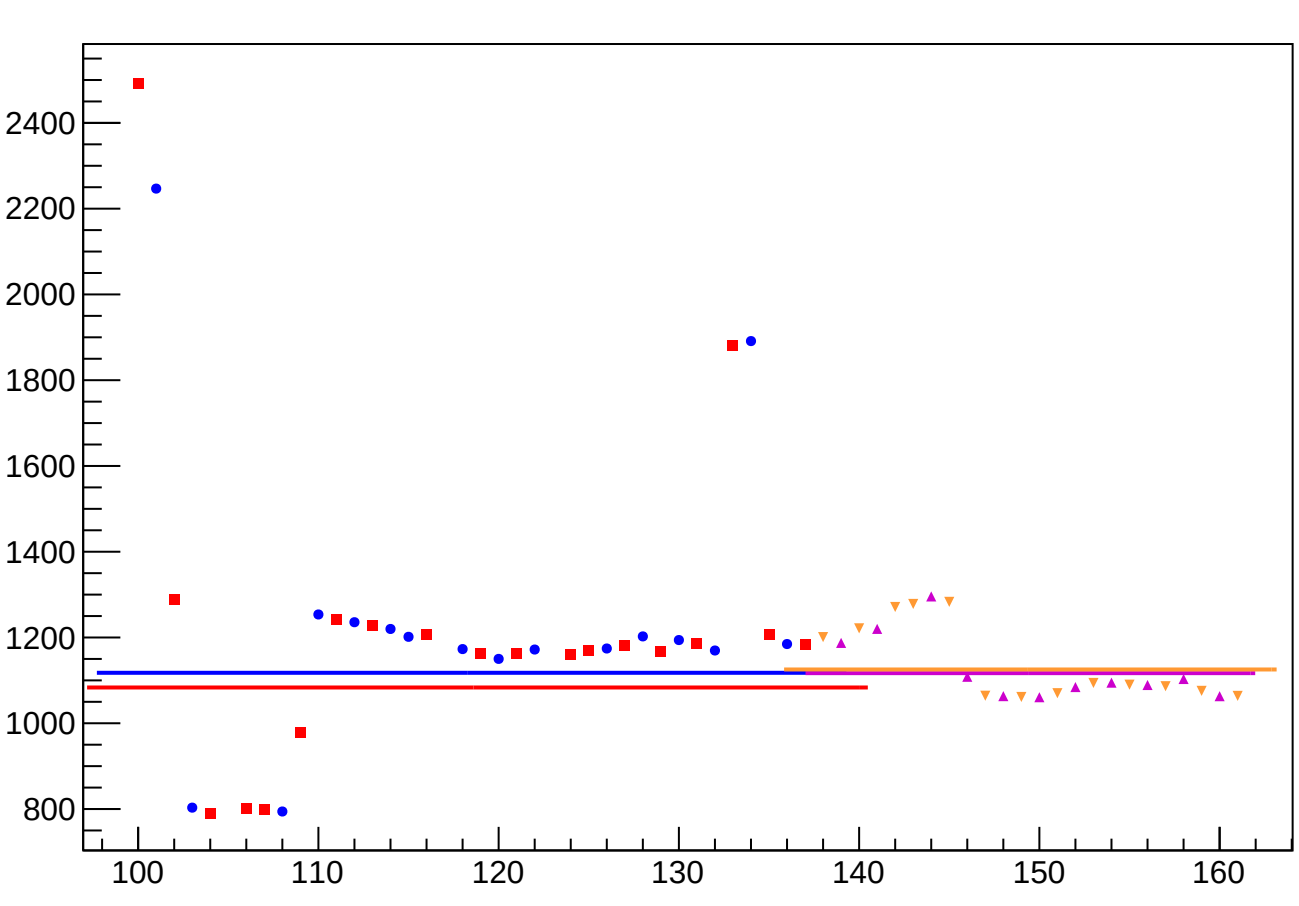
Left: 205.190+/-251.731 χ^2/NDF: 37.7/23

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -699.169+/-276.189 χ^2/NDF:16.8/26

Out: 548.730+/-266.755 χ^2/NDF:38.8/31

All: -53.542+/-191.873 χ^2/NDF: 66.1/58



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

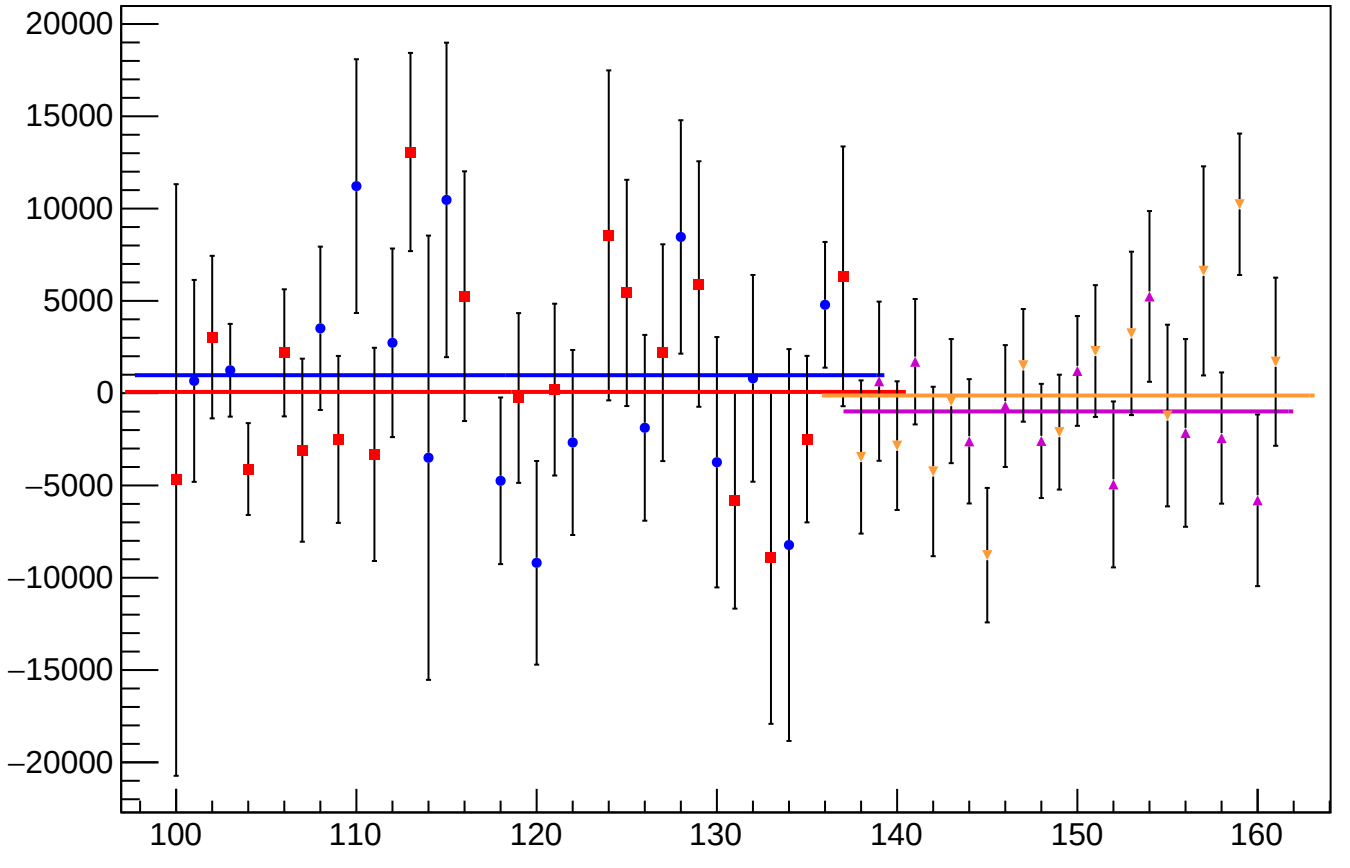
Left: 1121.271+/-0.178 χ^2/NDF: 177354.7/23

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.204+/-0.195 χ^2/NDF:890081.1/26

Out: 1107.718+/-0.188 χ^2/NDF:713648.8/31

All: 1112.292+/-0.136 χ^2/NDF: 1604951.4/58



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -126.829+/-1065.727 χ^2/NDF:18.4/12

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -989.289+/-1119.349 χ^2/NDF:5.7/10

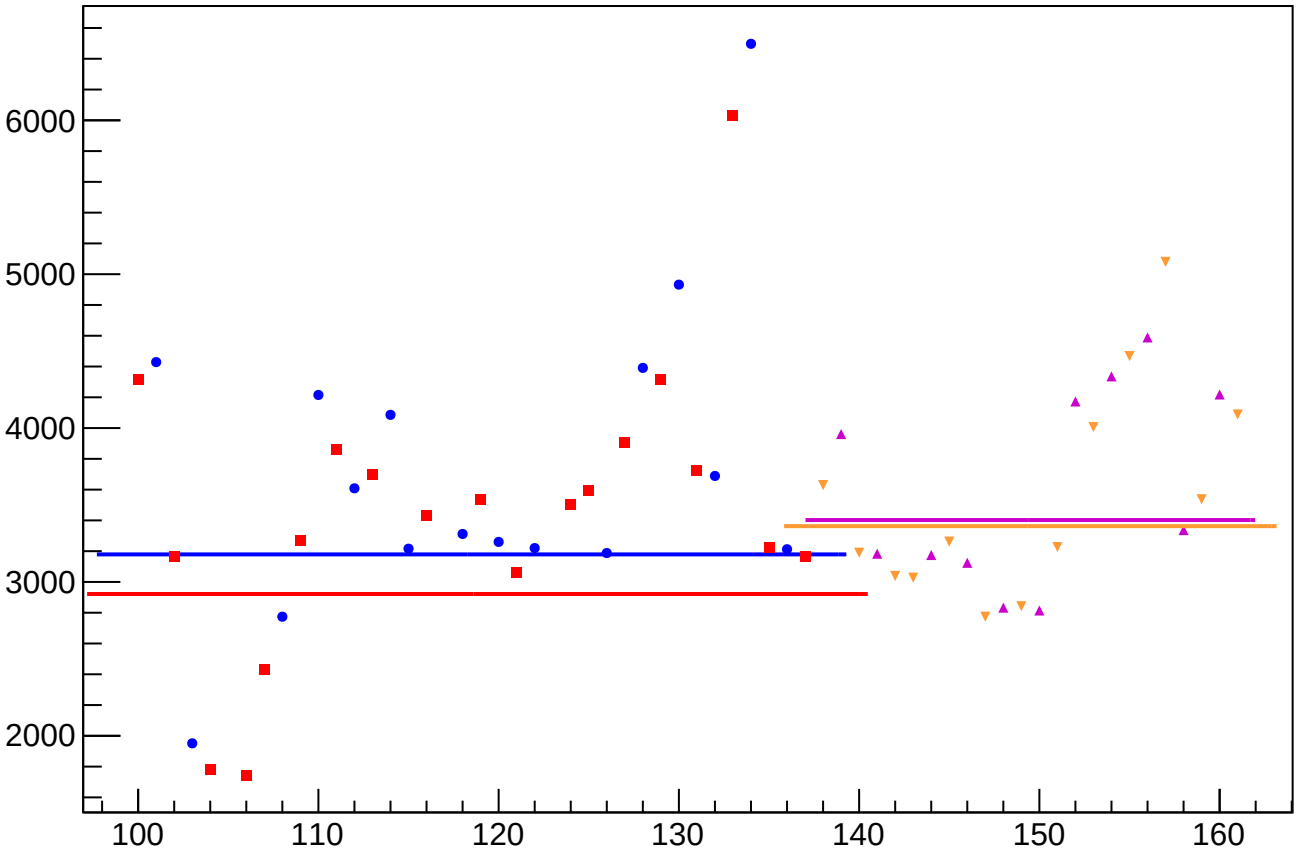
Left: -536.908+/-771.843 χ^2/NDF: 24.4/23

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -102.459+/-828.713 χ^2/NDF:20.9/26

Out: -36.203+/-777.845 χ^2/NDF:35.3/31

All: -67.235+/-567.150 χ^2/NDF: 56.2/58



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3362.626+/-0.754 χ^2/NDF:559513.1/12

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

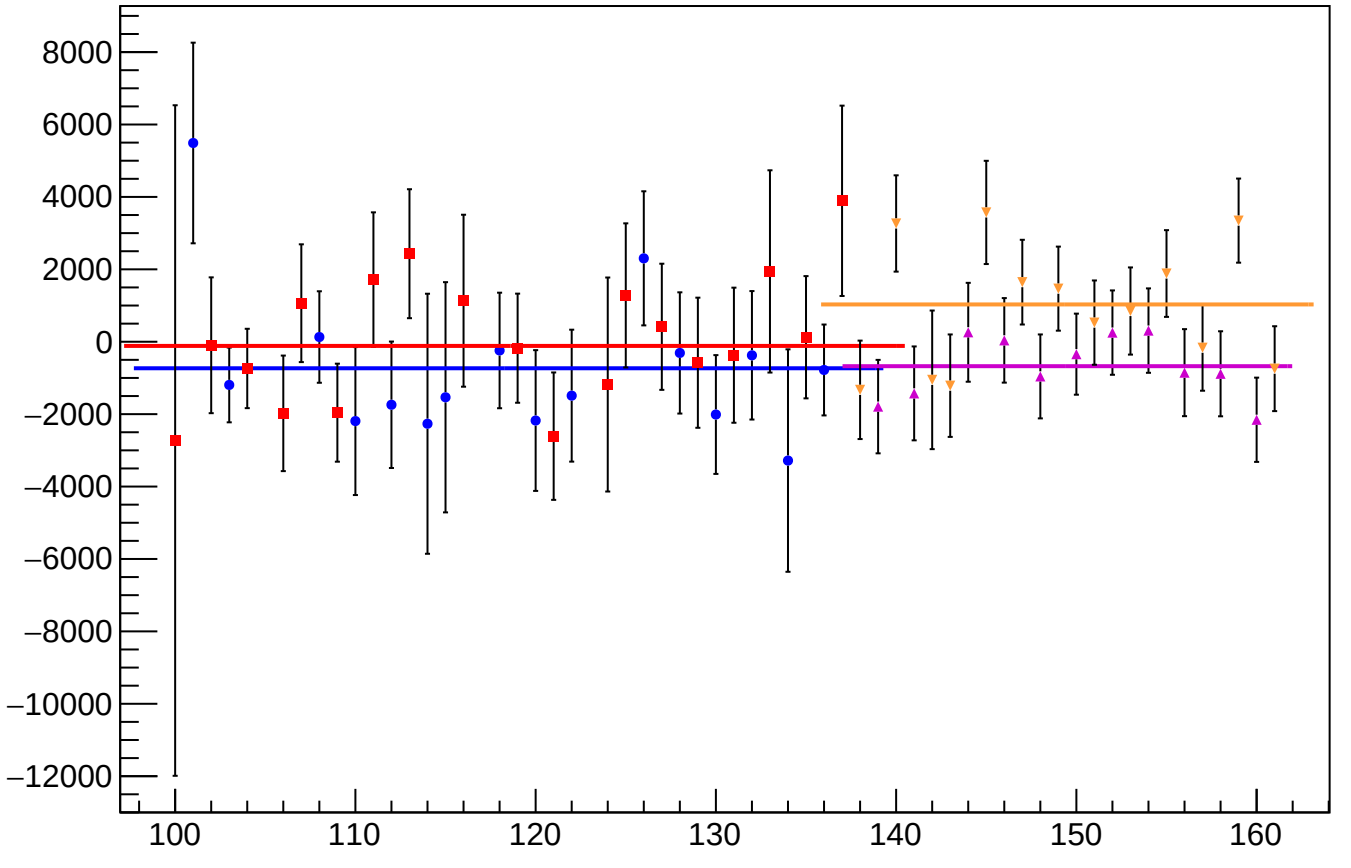
Left: 3381.471+/-0.546 χ^2/NDF: 1083286.0/23

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3301.398+/-0.586 χ^2/NDF:1649630.3/26

Out: 3156.559+/-0.550 χ^2/NDF:2032421.0/31

All: 3224.397+/-0.401 χ^2/NDF: 3714530.3/58



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1030.272+/-350.371 χ^2/NDF:21.1/12

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -675.138+/-361.911 χ^2/NDF:5.1/10

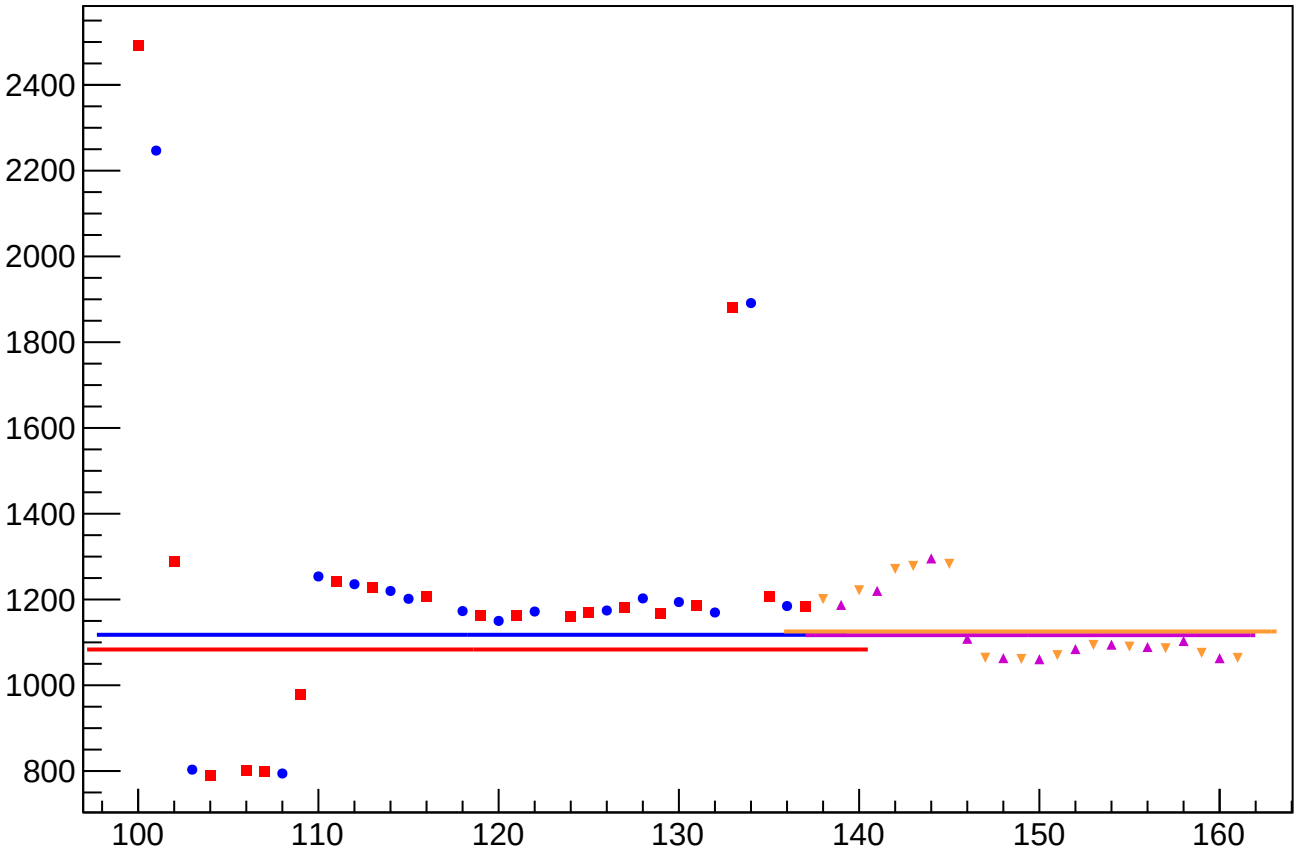
Left: 205.190+/-251.731 χ^2/NDF: 37.7/23

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -699.169+/-276.189 χ^2/NDF:16.8/26

Out: 548.730+/-266.755 χ^2/NDF:38.8/31

All: -53.542+/-191.873 χ^2/NDF: 66.1/58



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

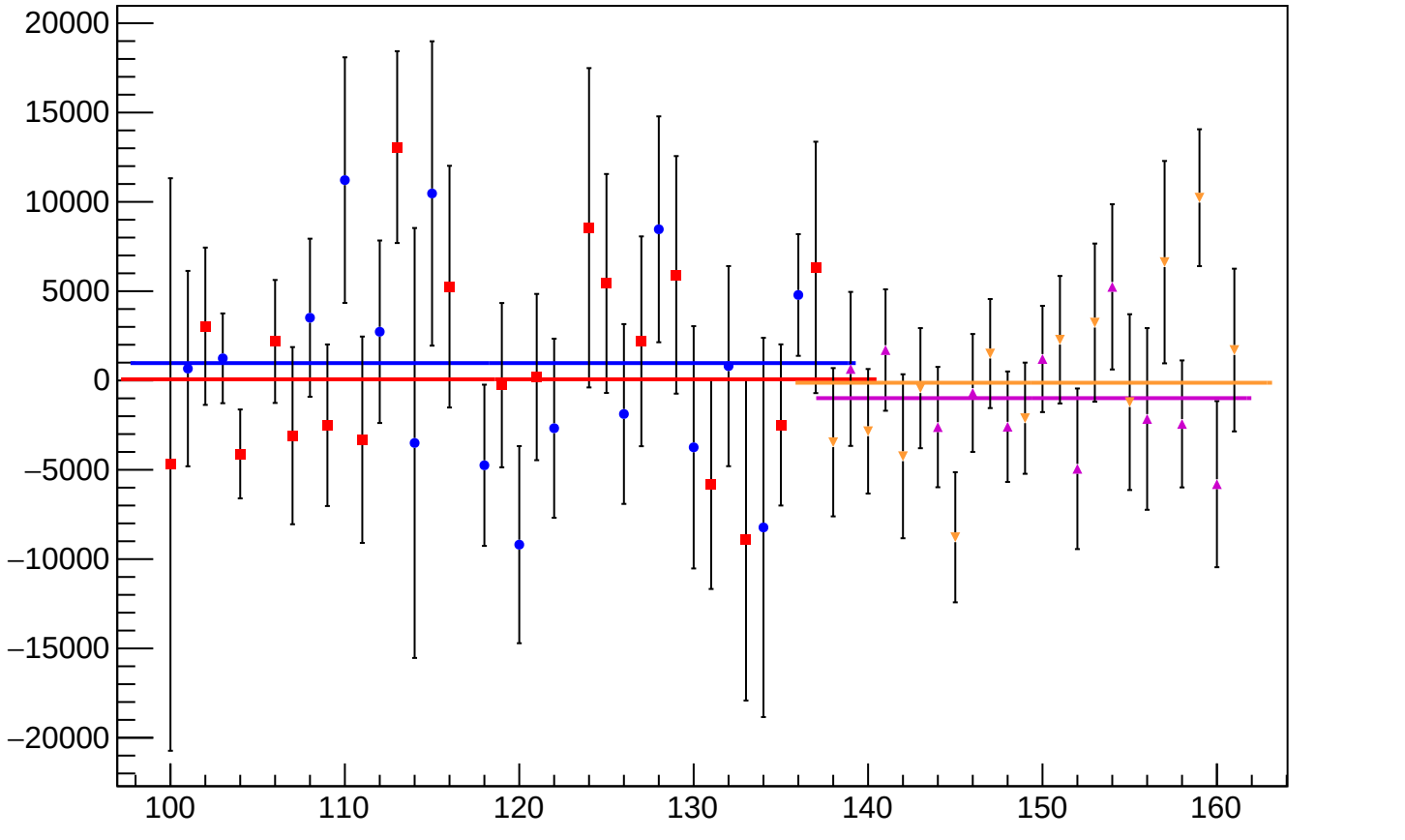
Left: 1121.271+/-0.178 χ^2/NDF: 177354.7/23

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1117.204+/-0.195 χ^2/NDF:890081.1/26

Out: 1107.718+/-0.188 χ^2/NDF:713648.8/31

All: 1112.292+/-0.136 χ^2/NDF: 1604951.4/58



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -126.829+/-1065.727 χ^2/NDF:18.4/12

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -989.289+/-1119.349 χ^2/NDF:5.7/10

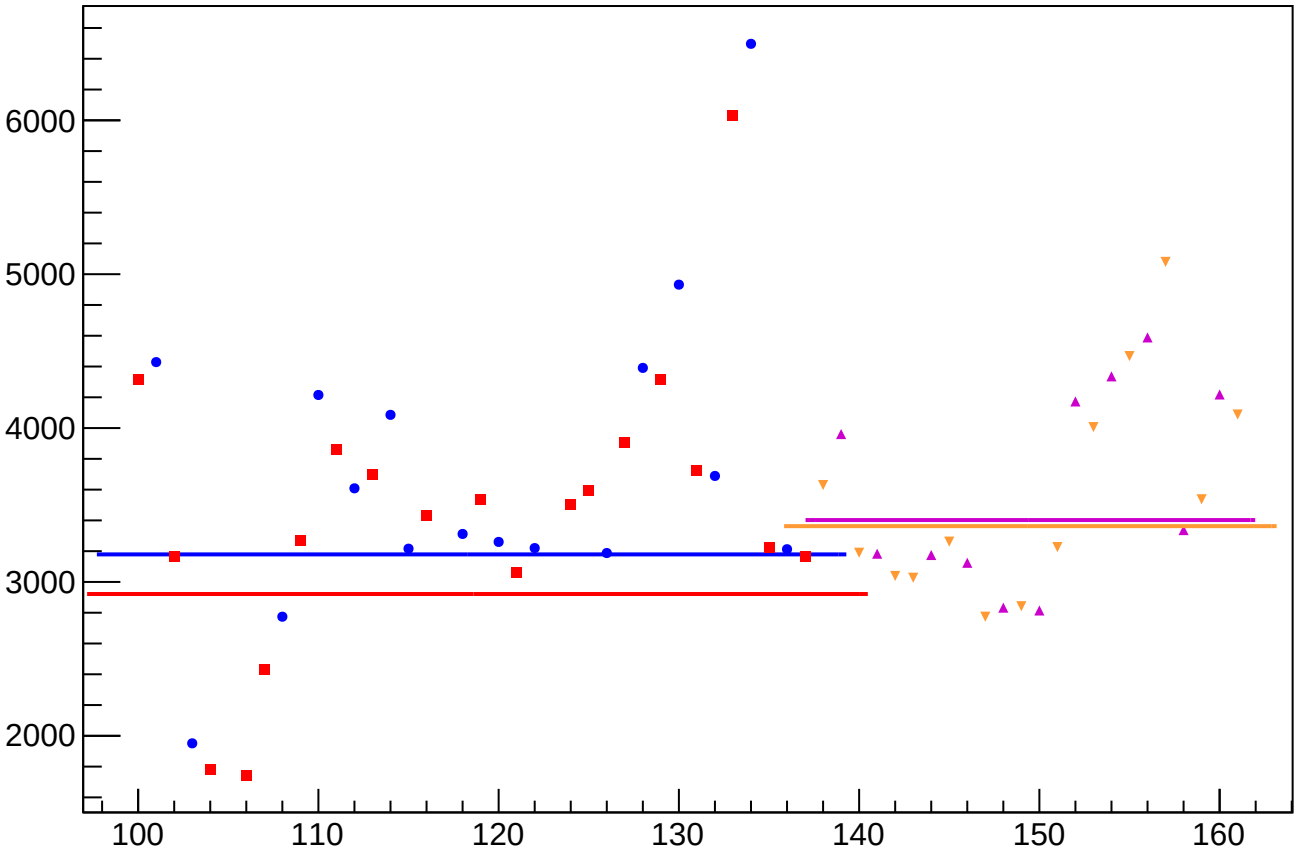
Left: -536.908+/-771.843 χ^2/NDF: 24.4/23

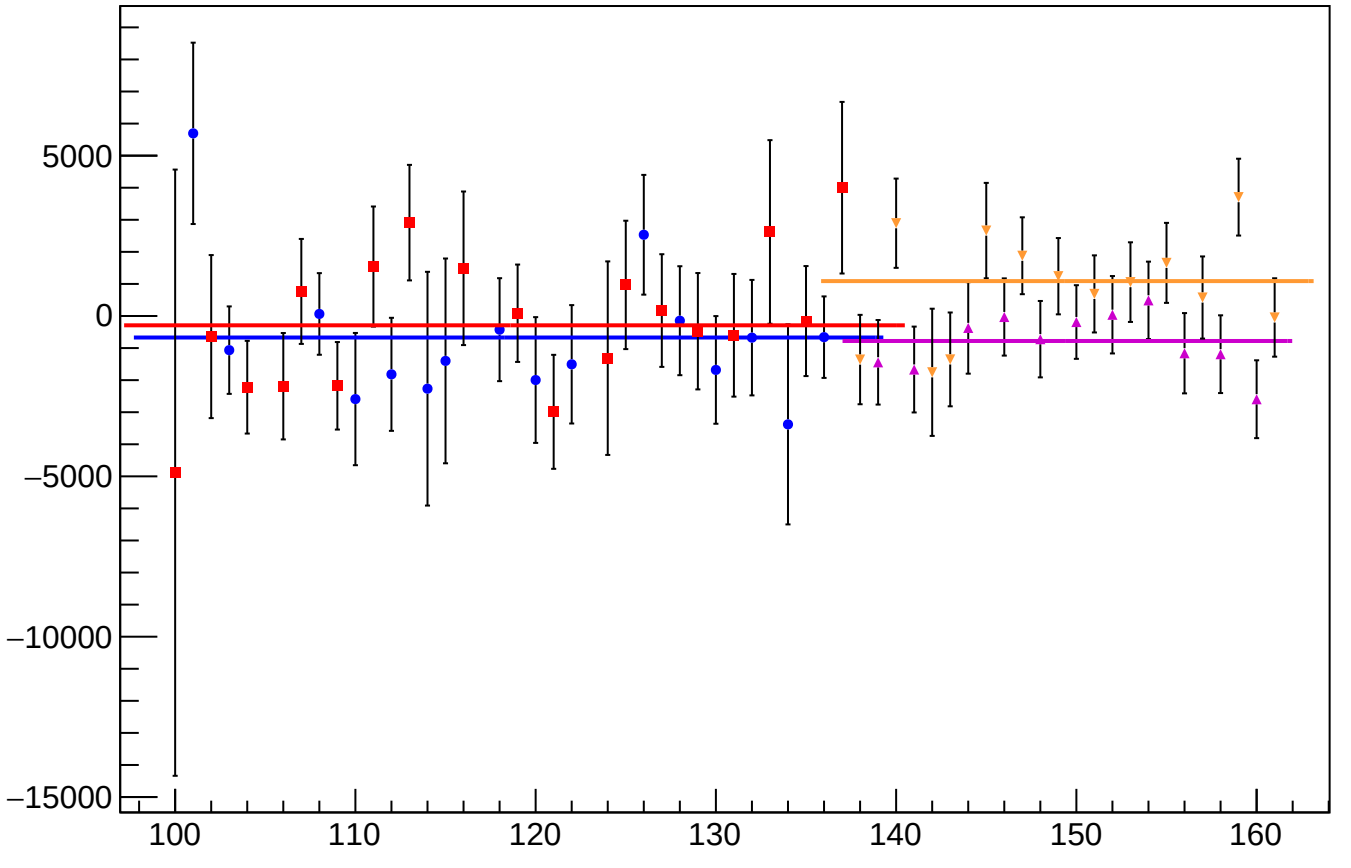
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -102.459+/-828.713 χ^2/NDF:20.9/26

Out: -36.203+/-777.845 χ^2/NDF:35.3/31

All: -67.235+/-567.150 χ^2/NDF: 56.2/58


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3362.626+/-0.754 χ²/NDF:559513.1/12
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3402.260+/-0.791 χ²/NDF:522457.7/10
Left: 3381.471+/-0.546 χ²/NDF: 1083286.0/23
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3301.398+/-0.586 χ²/NDF:1649630.3/26
Out: 3156.559+/-0.550 χ²/NDF:2032421.0/31
All: 3224.397+/-0.401 χ²/NDF: 3714530.3/58



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1088.269+/-363.545 χ^2/NDF:17.3/12

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -779.008+/-374.027 χ^2/NDF:5.4/10

Left: 181.161+/-260.692 χ^2/NDF: 35.5/23

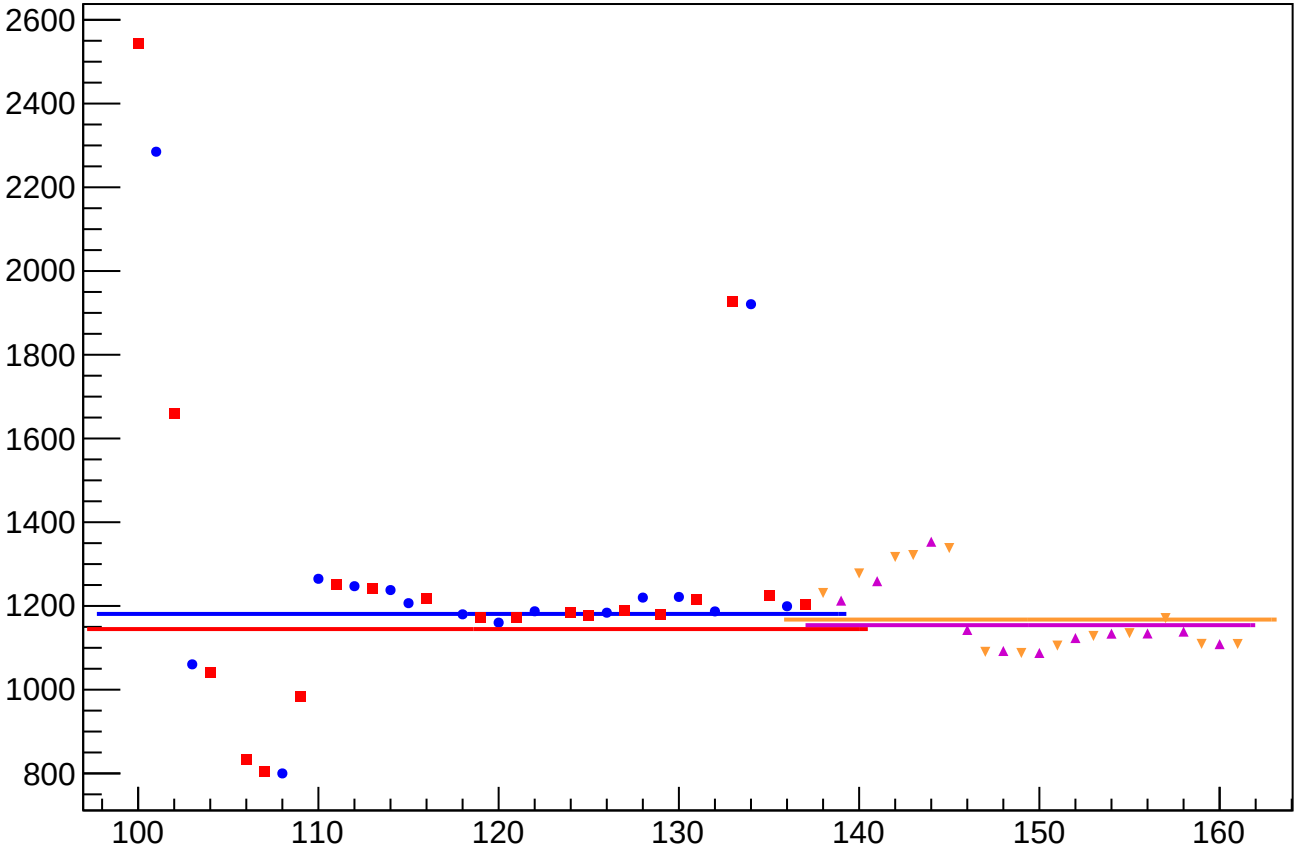
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -734.629+/-287.248 χ^2/NDF:17.3/26

Out: 520.473+/-278.801 χ^2/NDF:40.2/31

All: -88.354+/-200.062 χ^2/NDF: 67.3/58

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1167.470+/-0.257 χ^2/NDF:111884.1/12

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1154.107+/-0.264 χ^2/NDF:73011.5/10

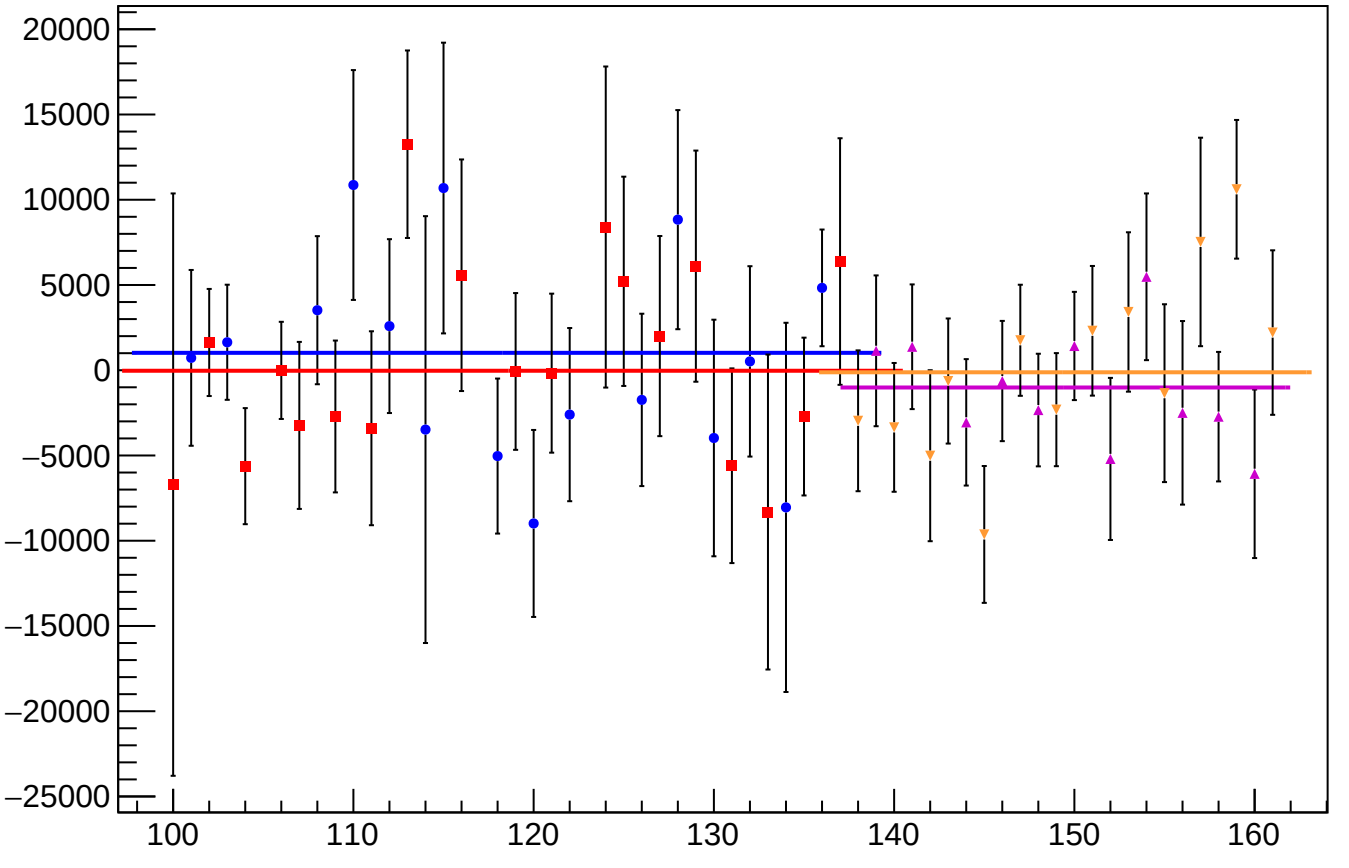
Left: 1160.978+/-0.184 χ^2/NDF: 186208.3/23

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1165.120+/-0.203 χ^2/NDF:699117.3/26

Out: 1158.118+/-0.197 χ^2/NDF:612826.2/31

All: 1161.514+/-0.141 χ^2/NDF: 1312555.5/58



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -120.134+/-1138.251 χ^2/NDF:18.4/12

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -1012.177+/-1194.551 χ^2/NDF:5.6/10

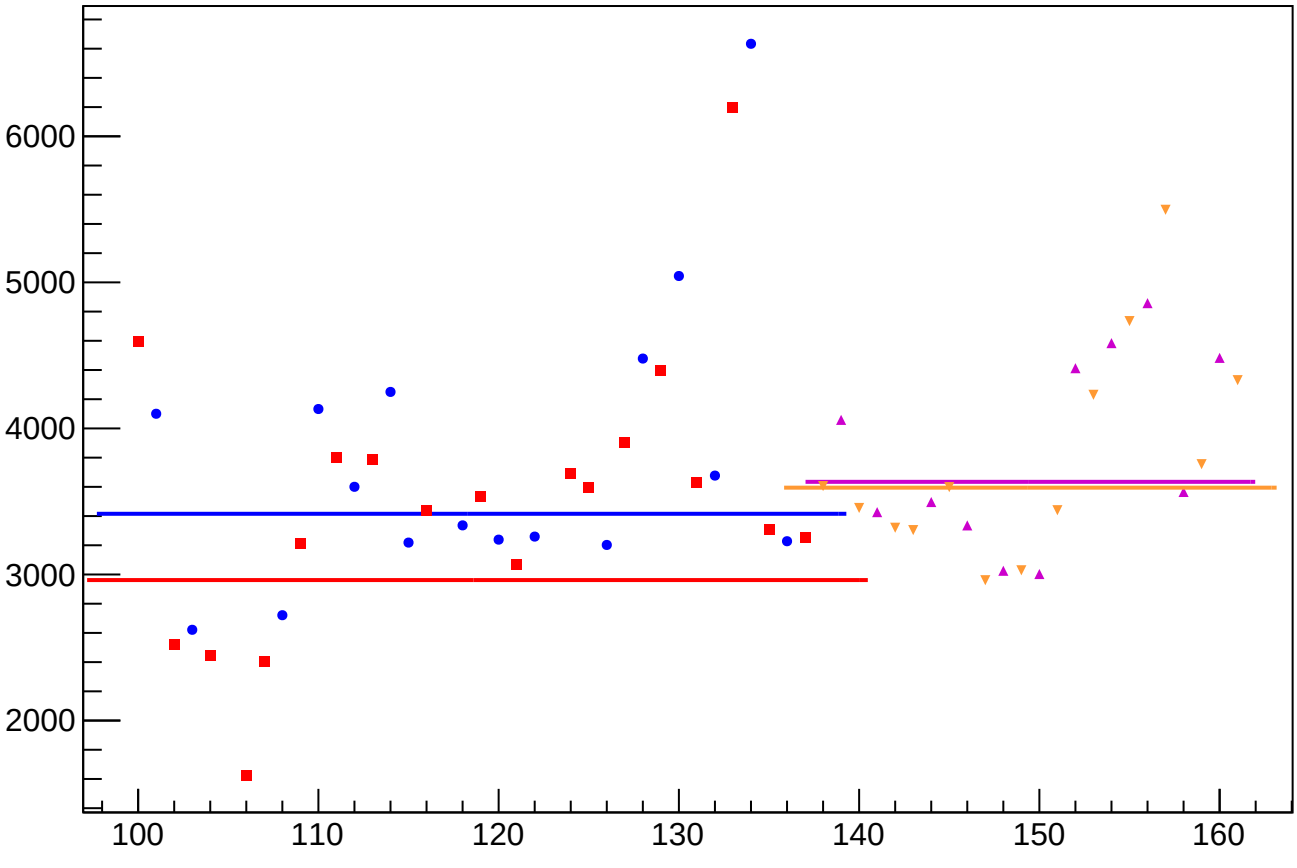
Left: -544.640+/-824.050 χ^2/NDF: 24.2/23

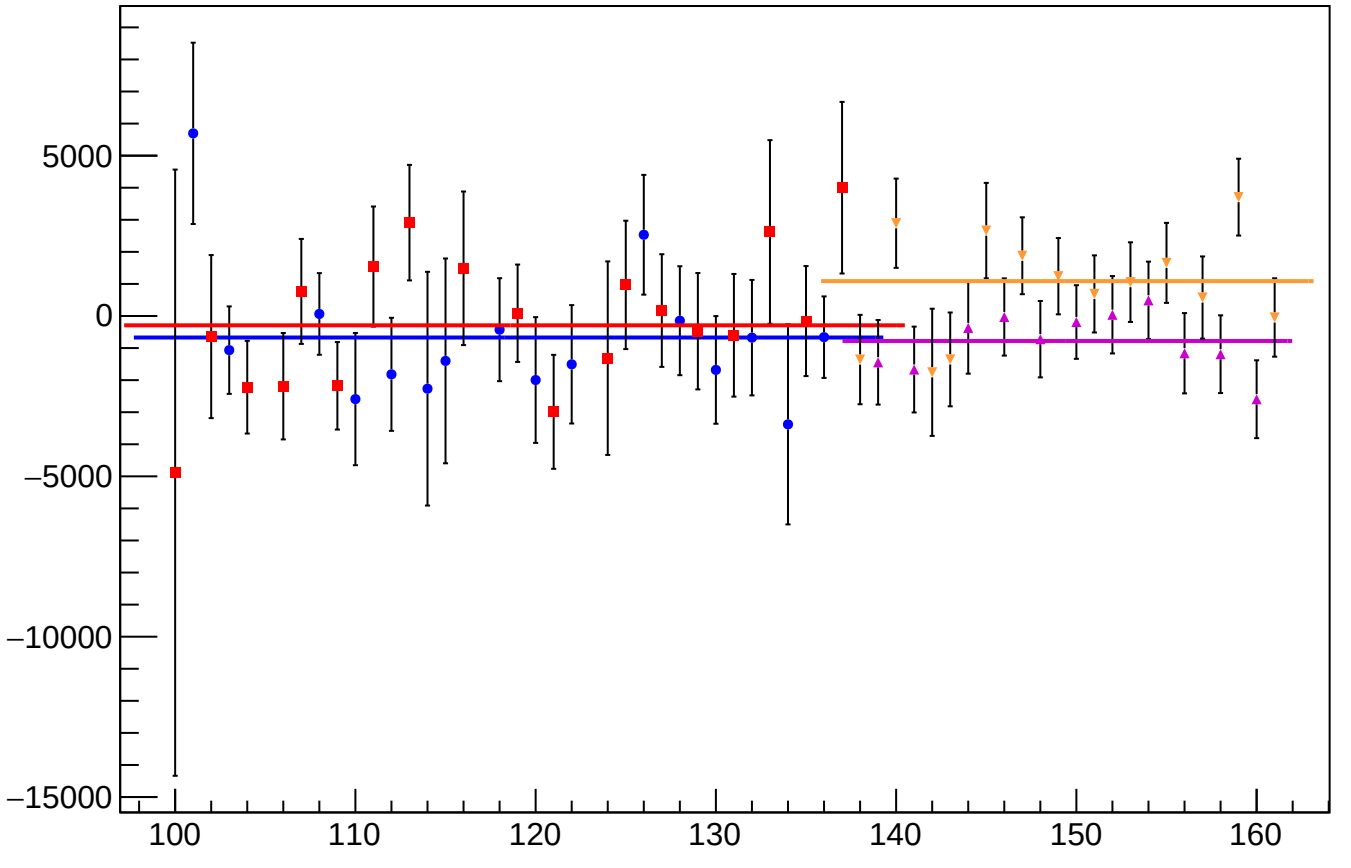
Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -83.245+/-880.348 χ^2/NDF:20.8/26

Out: -74.837+/-802.197 χ^2/NDF:34.5/31

All: -78.651+/-592.947 χ^2/NDF: 55.3/58


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3415.595+/-0.921 χ²/NDF: 592344.0/15
Left Out: 3594.493+/-0.805 χ²/NDF:534340.4/12
Right Out: 2961.798+/-0.800 χ²/NDF: 1169257.4/18
Left In: 3634.363+/-0.845 χ²/NDF:480930.6/10
Left: 3613.467+/-0.583 χ²/NDF: 1016438.8/23
Right: 3156.834+/-0.604 χ²/NDF: 1900046.9/34
In: 3534.413+/-0.622 χ²/NDF:1103921.7/26
Out: 3276.052+/-0.567 χ²/NDF:2014610.0/31
All: 3393.258+/-0.419 χ²/NDF: 3212643.7/58



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1088.277+/-363.545 χ^2/NDF:17.3/12

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -779.007+/-374.027 χ^2/NDF:5.4/10

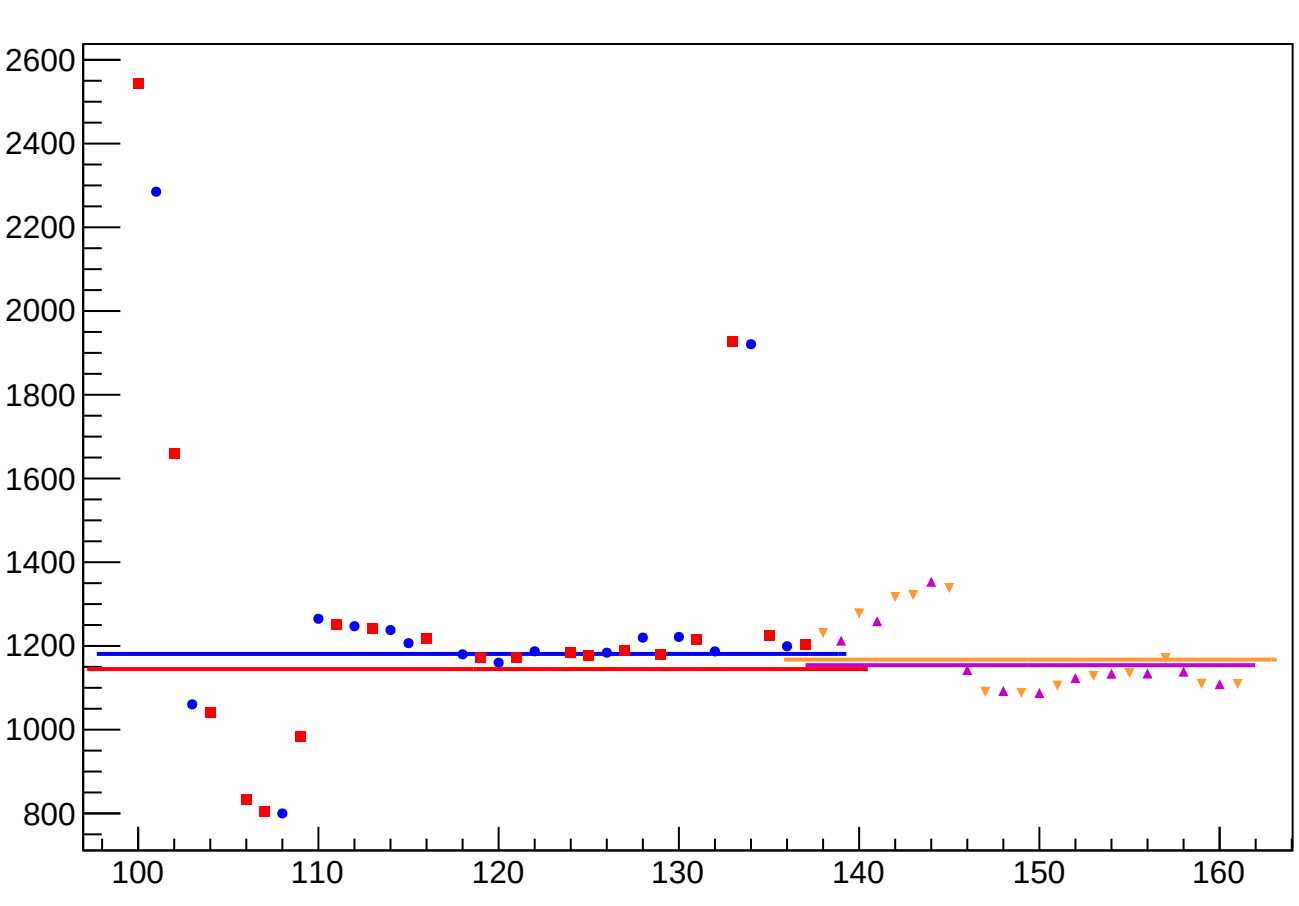
Left: 181.165+/-260.692 χ^2/NDF: 35.5/23

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -734.631+/-287.248 χ^2/NDF:17.3/26

Out: 520.475+/-278.801 χ^2/NDF:40.2/31

All: -88.353+/-200.062 χ^2/NDF: 67.3/58



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1167.470+/-0.257 χ^2/NDF:111884.0/12

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1154.107+/-0.264 χ^2/NDF:73011.0/10

Left: 1160.979+/-0.184 χ^2/NDF: 186207.7/23

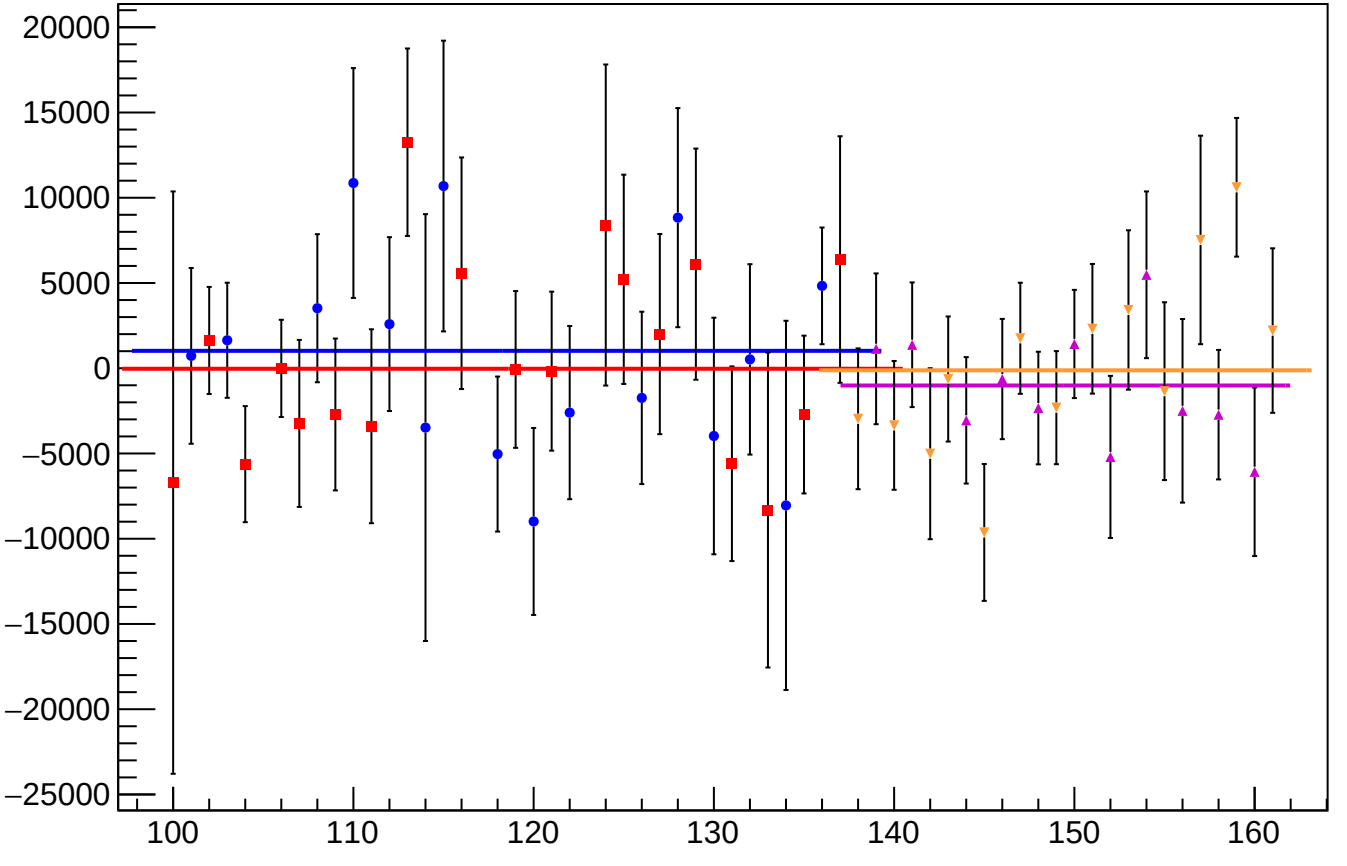
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1165.120+/-0.203 χ^2/NDF:699116.9/26

Out: 1158.119+/-0.197 χ^2/NDF:612825.8/31

All: 1161.514+/-0.141 χ^2/NDF: 1312554.6/58

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: -120.132+/-1138.253 χ^2/NDF:18.4/12

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -1012.175+/-1194.553 χ^2/NDF:5.6/10

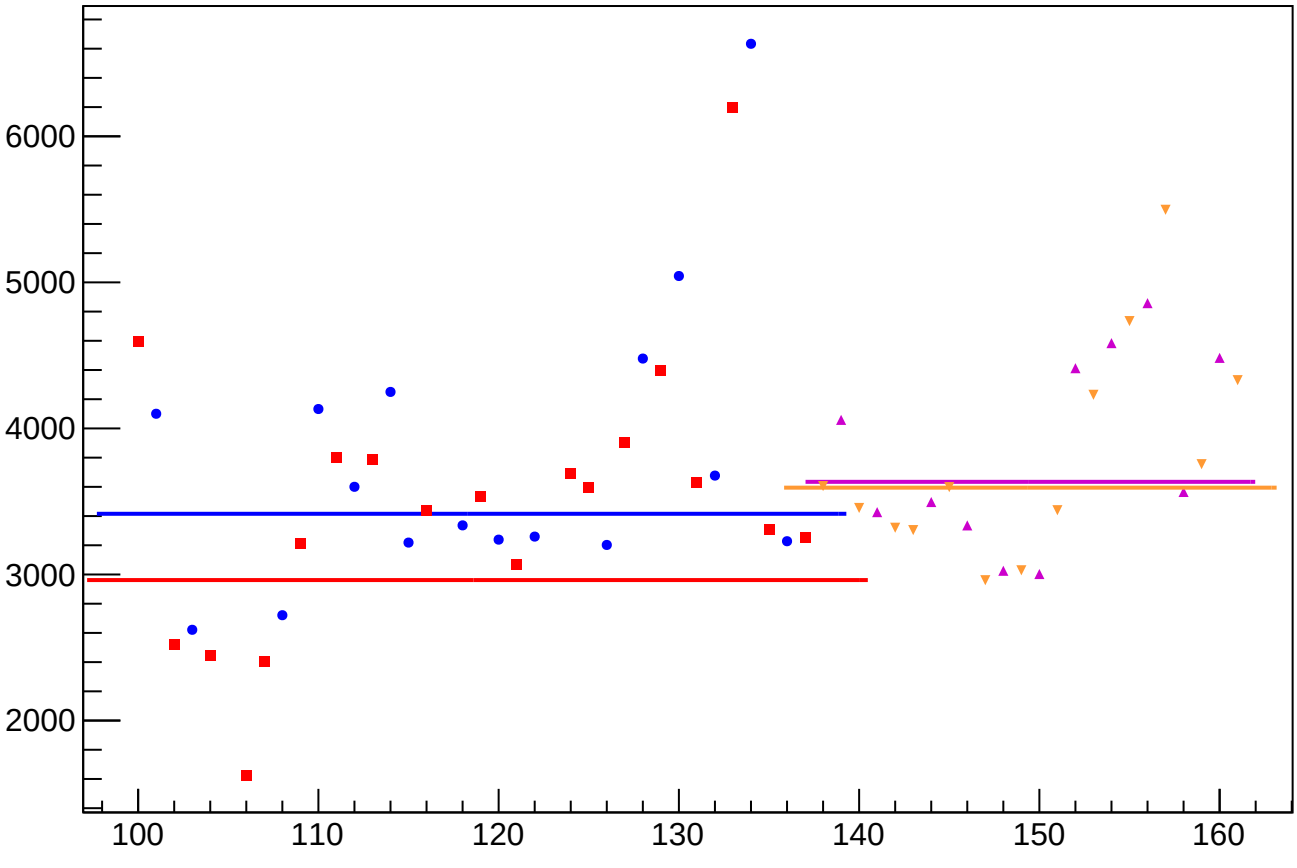
Left: -544.637+/-824.051 χ^2/NDF: 24.2/23

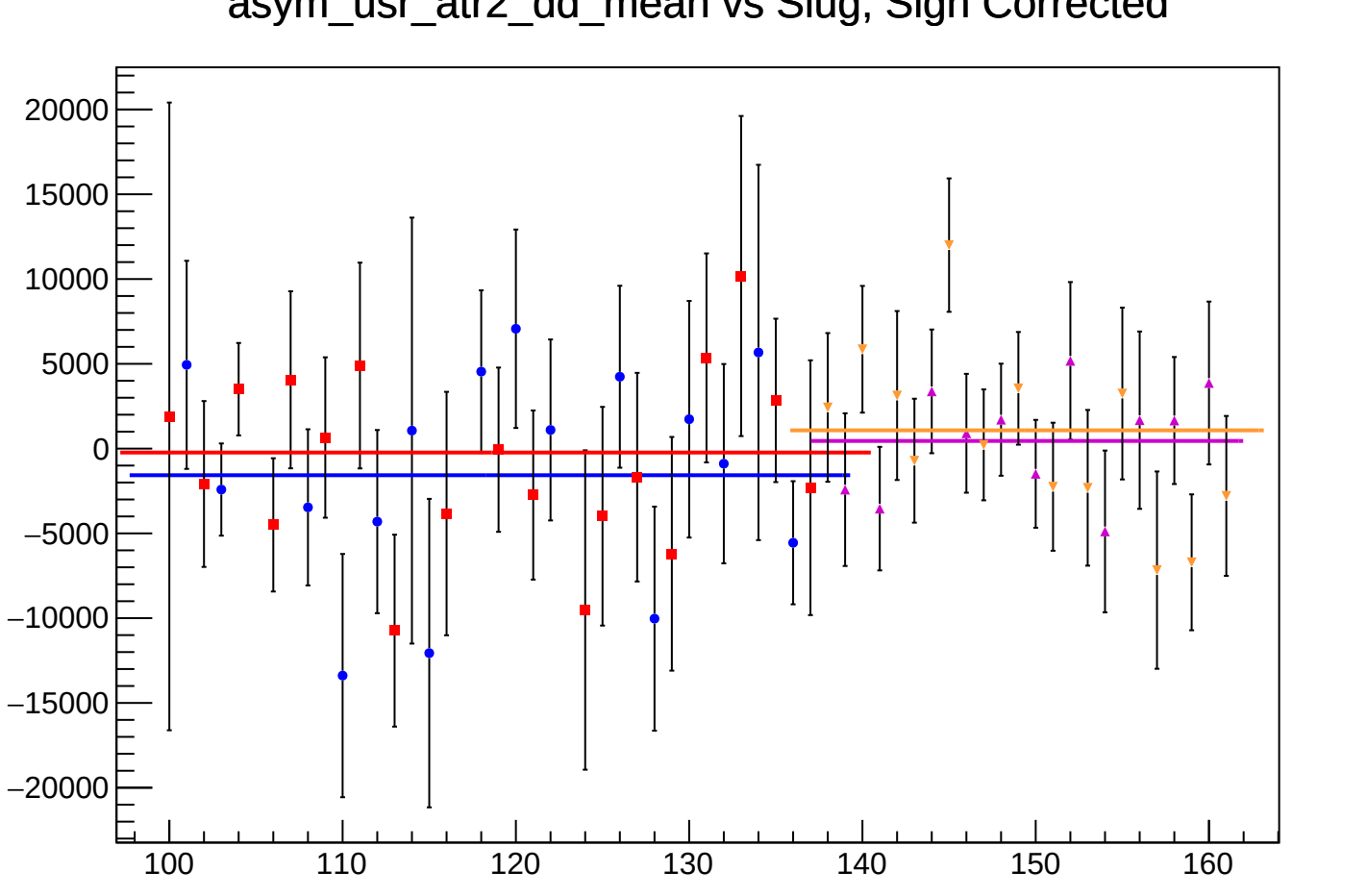
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -83.250+/-880.348 χ^2/NDF:20.8/26

Out: -74.839+/-802.197 χ^2/NDF:34.5/31

All: -78.654+/-592.947 χ^2/NDF: 55.3/58


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3594.498+/-0.805 χ²/NDF:534337.6/12
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3634.367+/-0.845 χ²/NDF:480927.0/10
Left: 3613.471+/-0.583 χ²/NDF: 1016432.3/23
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3534.414+/-0.622 χ²/NDF:1103915.3/26
Out: 3276.051+/-0.567 χ²/NDF:2014616.1/31
All: 3393.258+/-0.419 χ²/NDF: 3212644.6/58



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1077.387+/-1131.714 χ^2/NDF:18.4/12

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 452.280+/-1184.211 χ^2/NDF:5.7/10

Left: 778.996+/-818.172 χ^2/NDF: 24.3/23

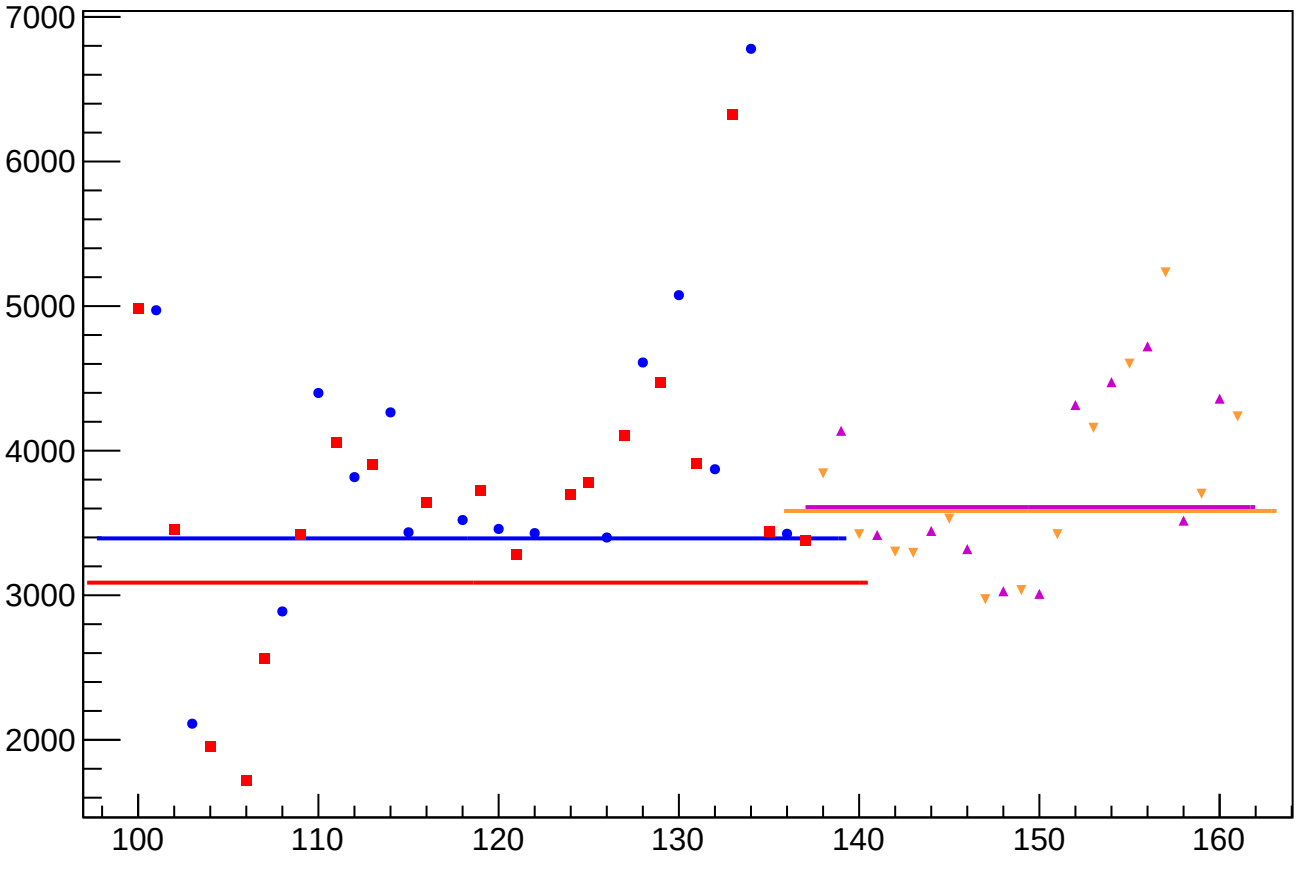
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -454.803+/-879.361 χ^2/NDF:21.5/26

Out: 474.483+/-831.055 χ^2/NDF:32.3/31

All: 36.064+/-604.000 χ^2/NDF: 54.4/58

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3583.149+/-0.800 χ^2/NDF:470819.5/12

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3609.919+/-0.837 χ^2/NDF:436291.9/10

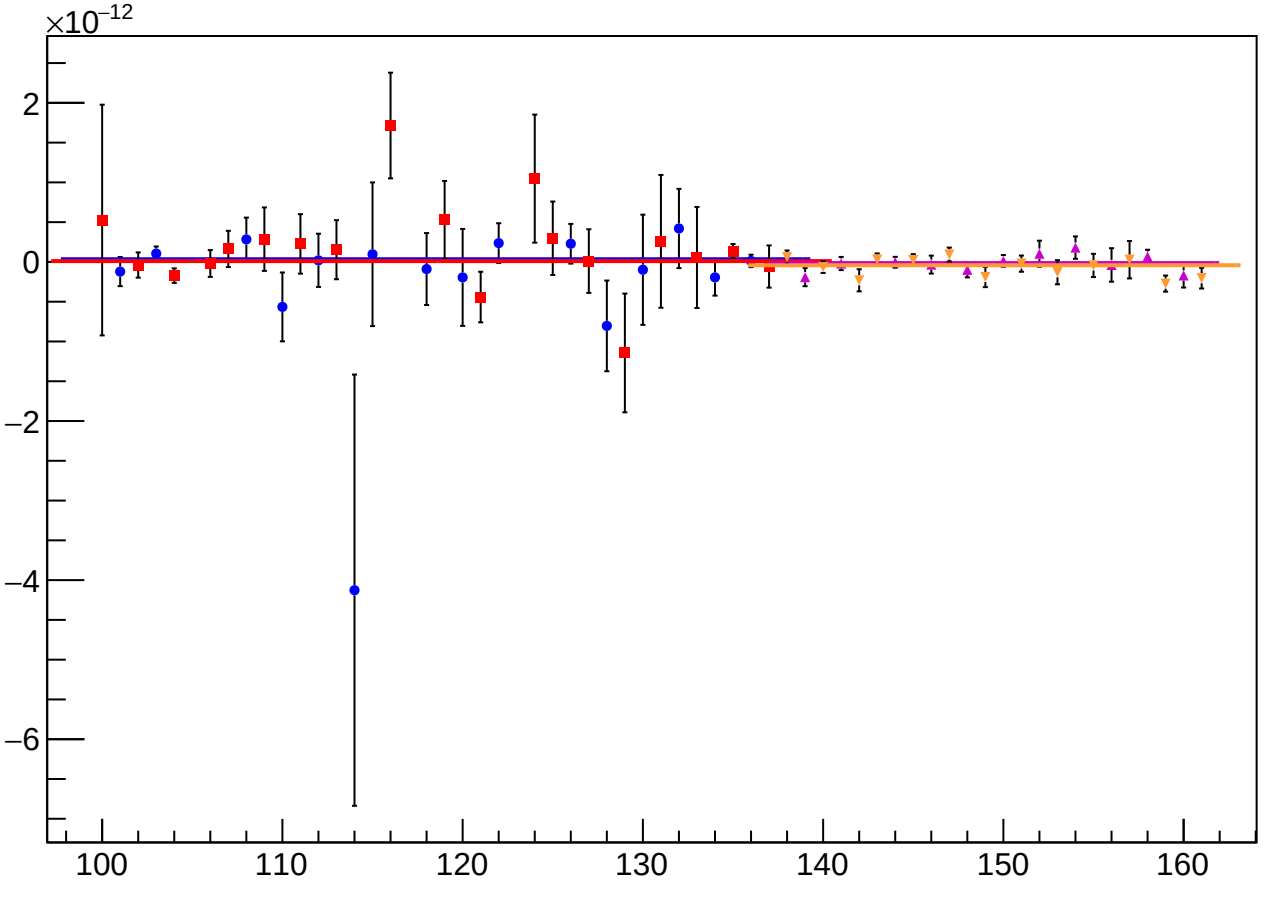
Left: 3595.927+/-0.579 χ^2/NDF: 907645.7/23

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3512.776+/-0.622 χ^2/NDF:1515001.6/26

Out: 3350.520+/-0.583 χ^2/NDF:1979296.1/31

All: 3426.434+/-0.425 χ^2/NDF: 3530531.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/10

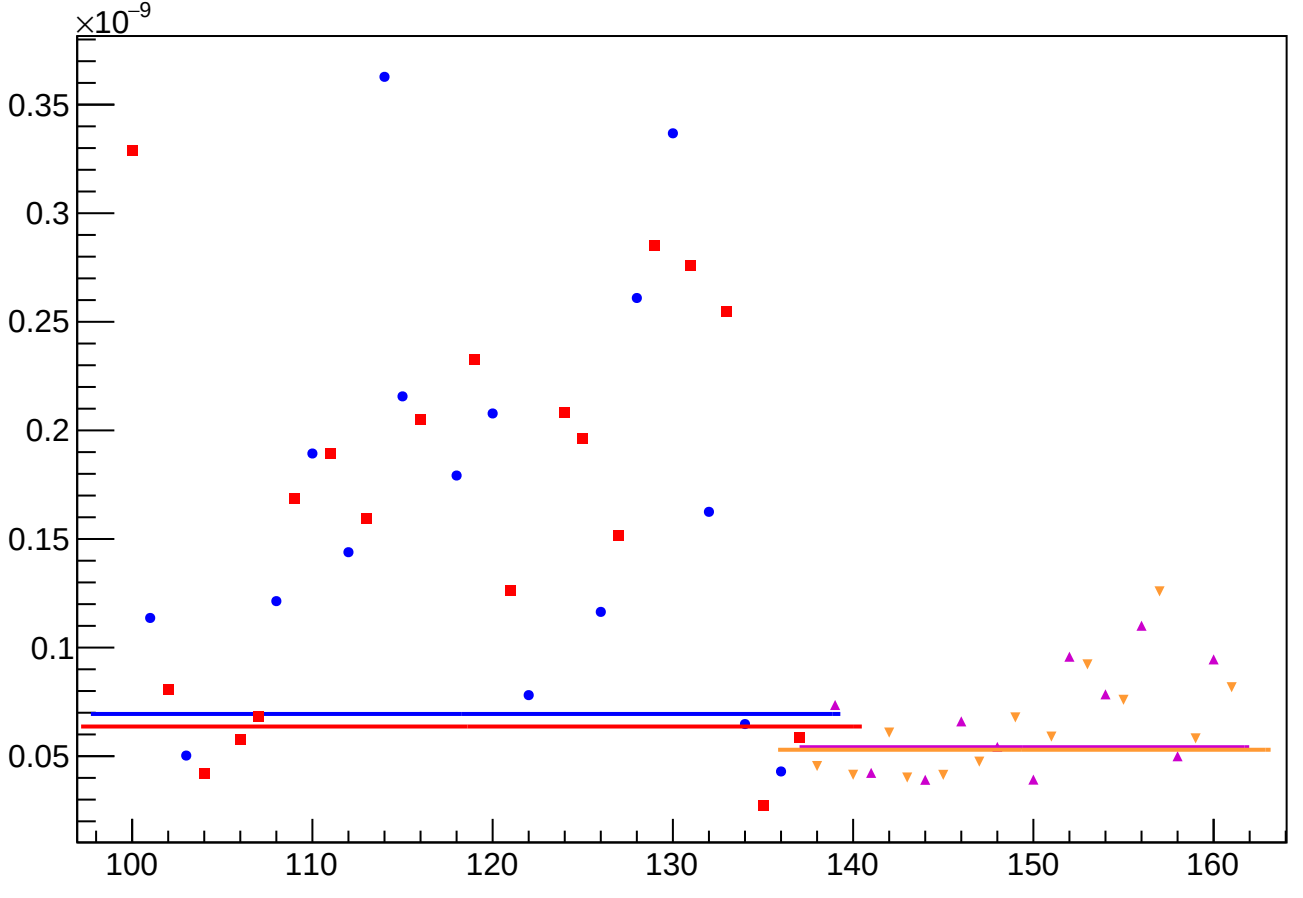
Left: -0.000+/-0.000 χ^2/NDF: 24.3/23

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/26

Out: -0.000+/-0.000 χ^2/NDF:38.8/31

All: -0.000+/-0.000 χ^2/NDF: 59.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:698799.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:776763.0/10

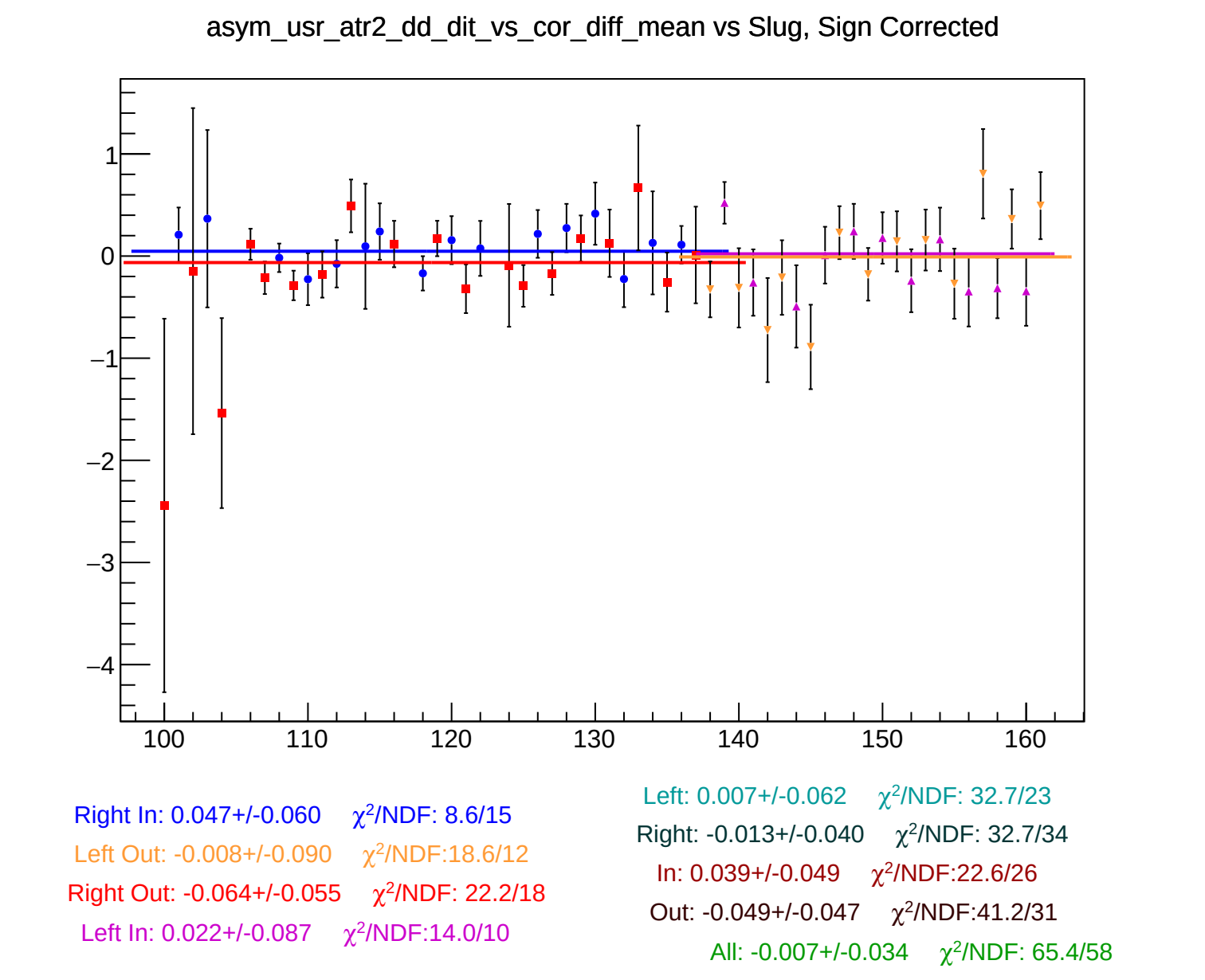
Left: 0.000+/-0.000 χ^2/NDF: 1477205.4/23

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2648038.7/26

Out: 0.000+/-0.000 χ^2/NDF:3019989.2/31

All: 0.000+/-0.000 χ^2/NDF: 5680746.9/58


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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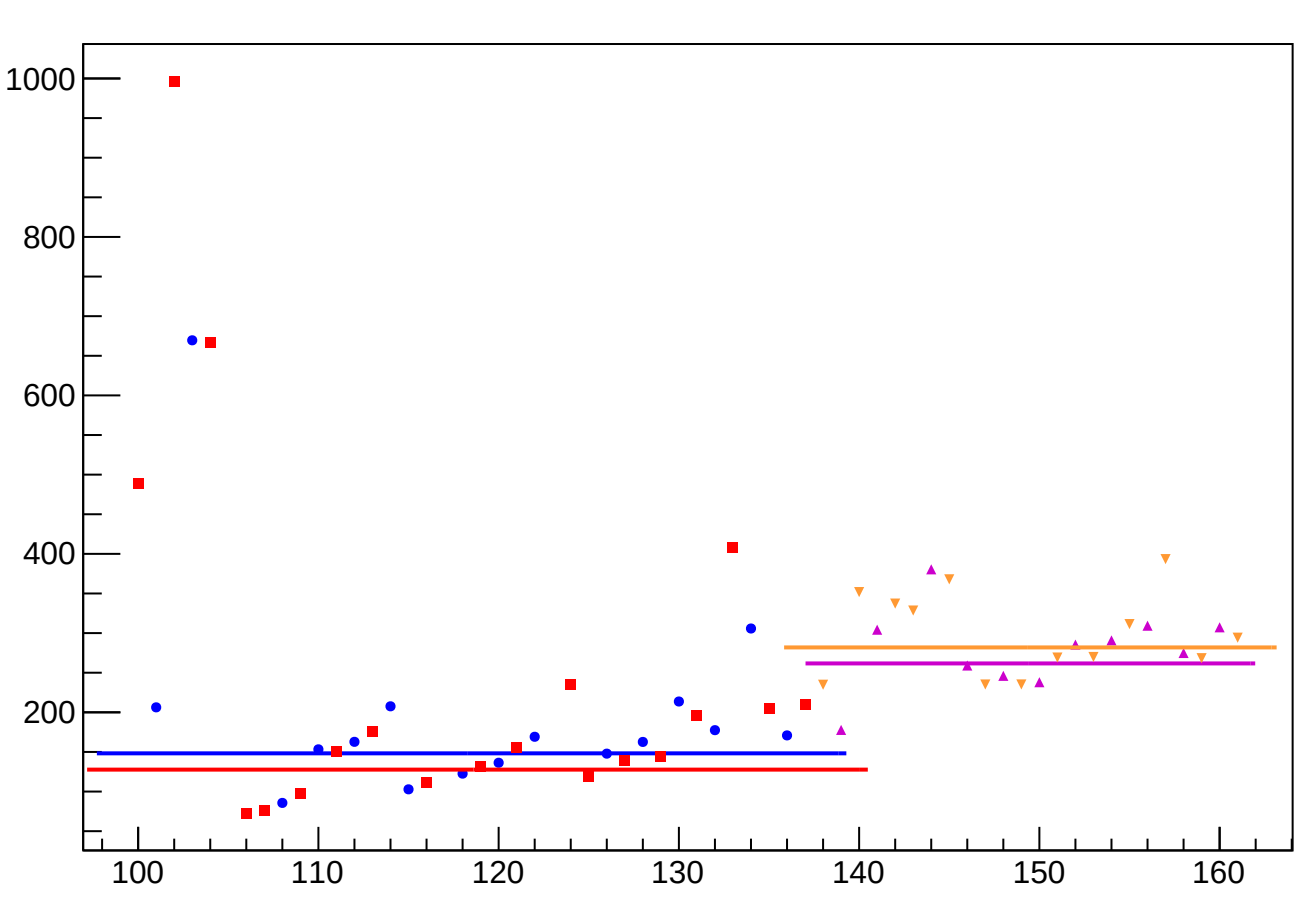
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.008+/-0.090 χ²/NDF:18.6/12
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.022+/-0.087 χ²/NDF:14.0/10
Left: 0.007+/-0.062 χ²/NDF: 32.7/23
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.039+/-0.049 χ²/NDF:22.6/26
Out: -0.049+/-0.047 χ²/NDF:41.2/31
All: -0.007+/-0.034 χ²/NDF: 65.4/58



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.913+/-0.063 χ^2/NDF:555834.8/12

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

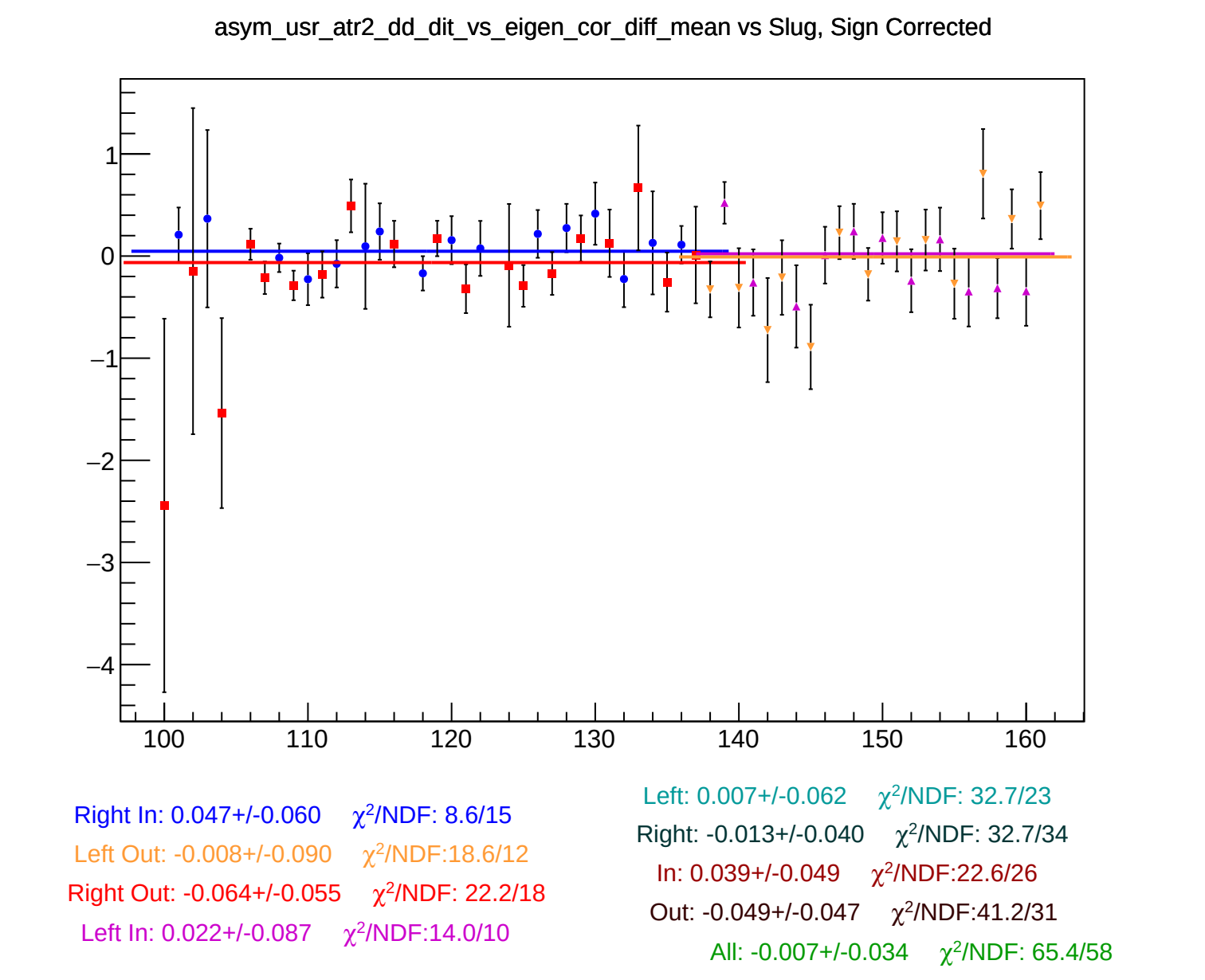
Left: 271.535+/-0.044 χ^2/NDF: 1287359.9/23

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.790+/-0.035 χ^2/NDF:4691213.1/26

Out: 169.569+/-0.033 χ^2/NDF:7720669.0/31

All: 176.741+/-0.024 χ^2/NDF: 12512188.4/58


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
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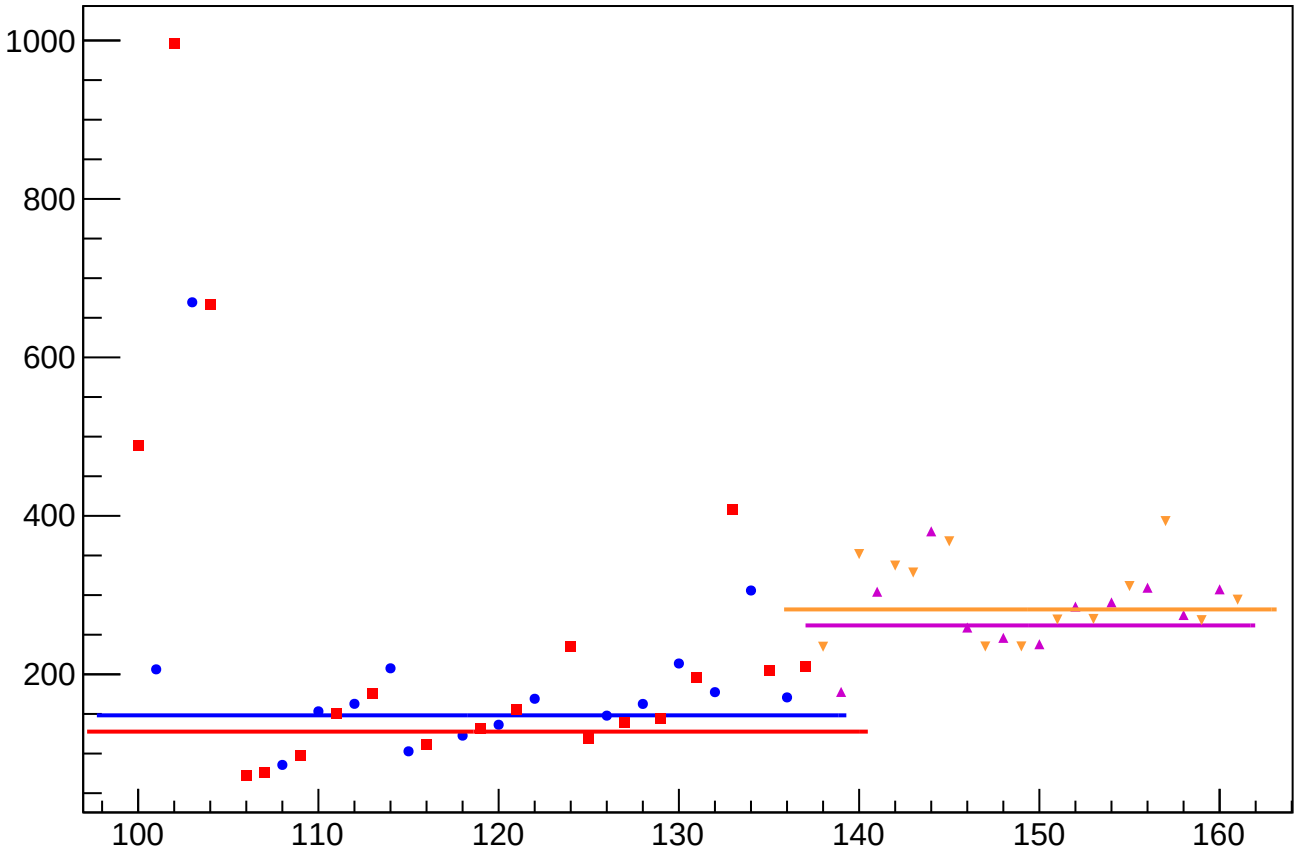
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.008+/-0.090 χ²/NDF:18.6/12
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.022+/-0.087 χ²/NDF:14.0/10
Left: 0.007+/-0.062 χ²/NDF: 32.7/23
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.039+/-0.049 χ²/NDF:22.6/26
Out: -0.049+/-0.047 χ²/NDF:41.2/31
All: -0.007+/-0.034 χ²/NDF: 65.4/58



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.913+/-0.063 χ^2/NDF:555834.8/12

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

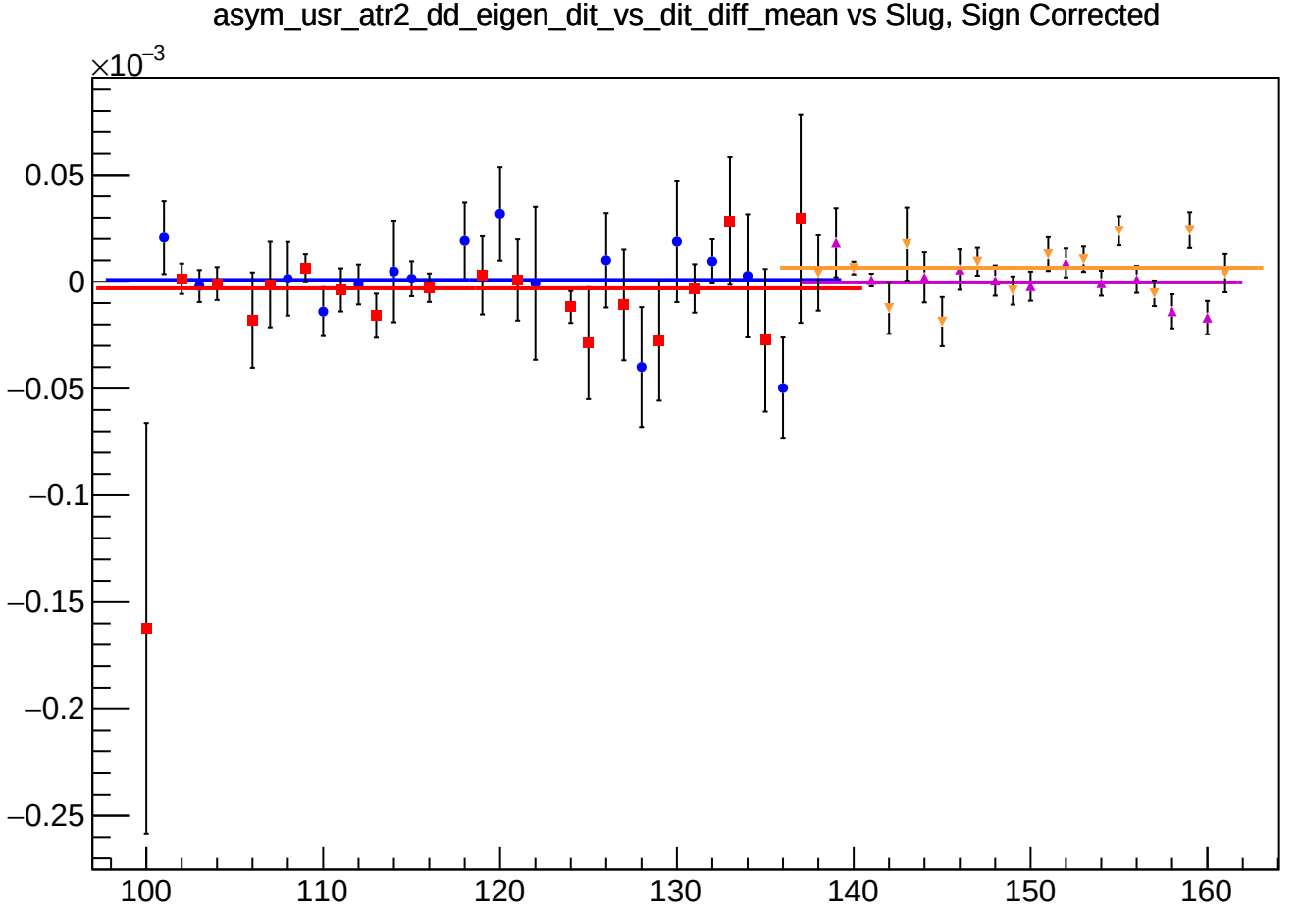
Left: 271.535+/-0.044 χ^2/NDF: 1287359.9/23

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.790+/-0.035 χ^2/NDF:4691213.1/26

Out: 169.569+/-0.033 χ^2/NDF:7720669.0/31

All: 176.741+/-0.024 χ^2/NDF: 12512188.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/10

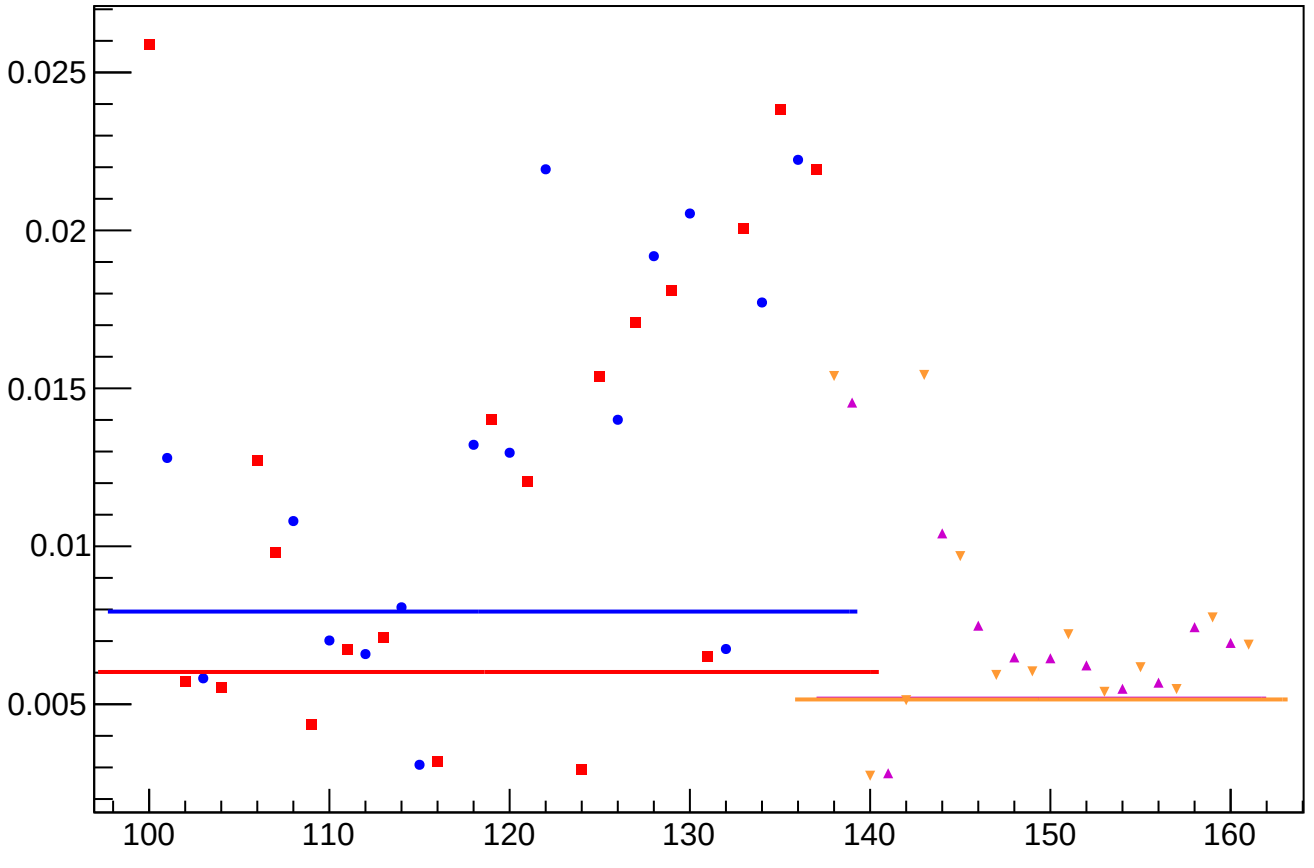
Left: 0.000+/-0.000 χ^2/NDF: 44.6/23

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: 0.000+/-0.000 χ^2/NDF:48.2/31

All: 0.000+/-0.000 χ^2/NDF: 76.2/58



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3532939.3/12

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2893663.2/10

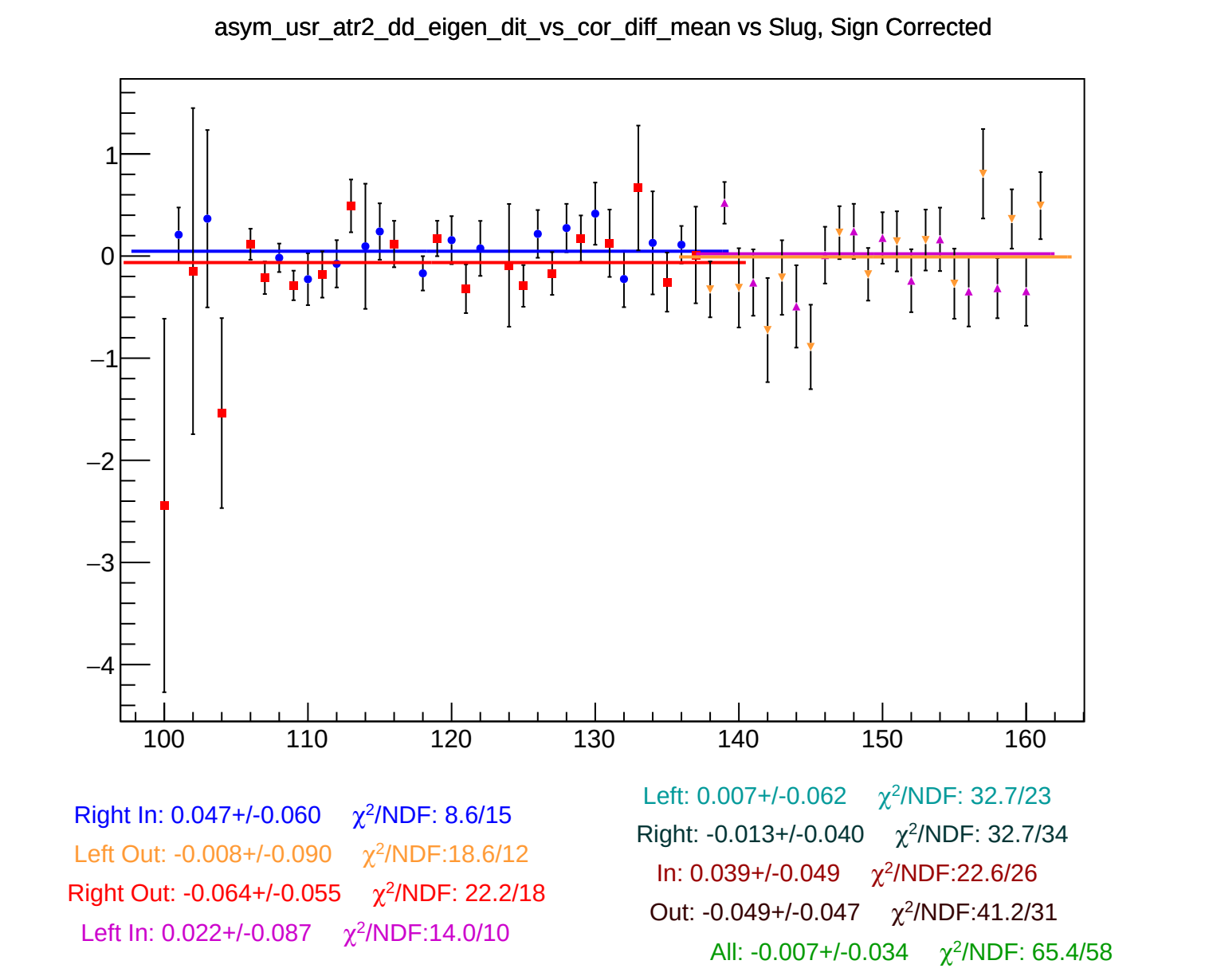
Left: 0.005+/-0.000 χ^2/NDF: 6426792.0/23

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7450838.2/26

Out: 0.005+/-0.000 χ^2/NDF:7689746.4/31

All: 0.006+/-0.000 χ^2/NDF: 15195904.7/58


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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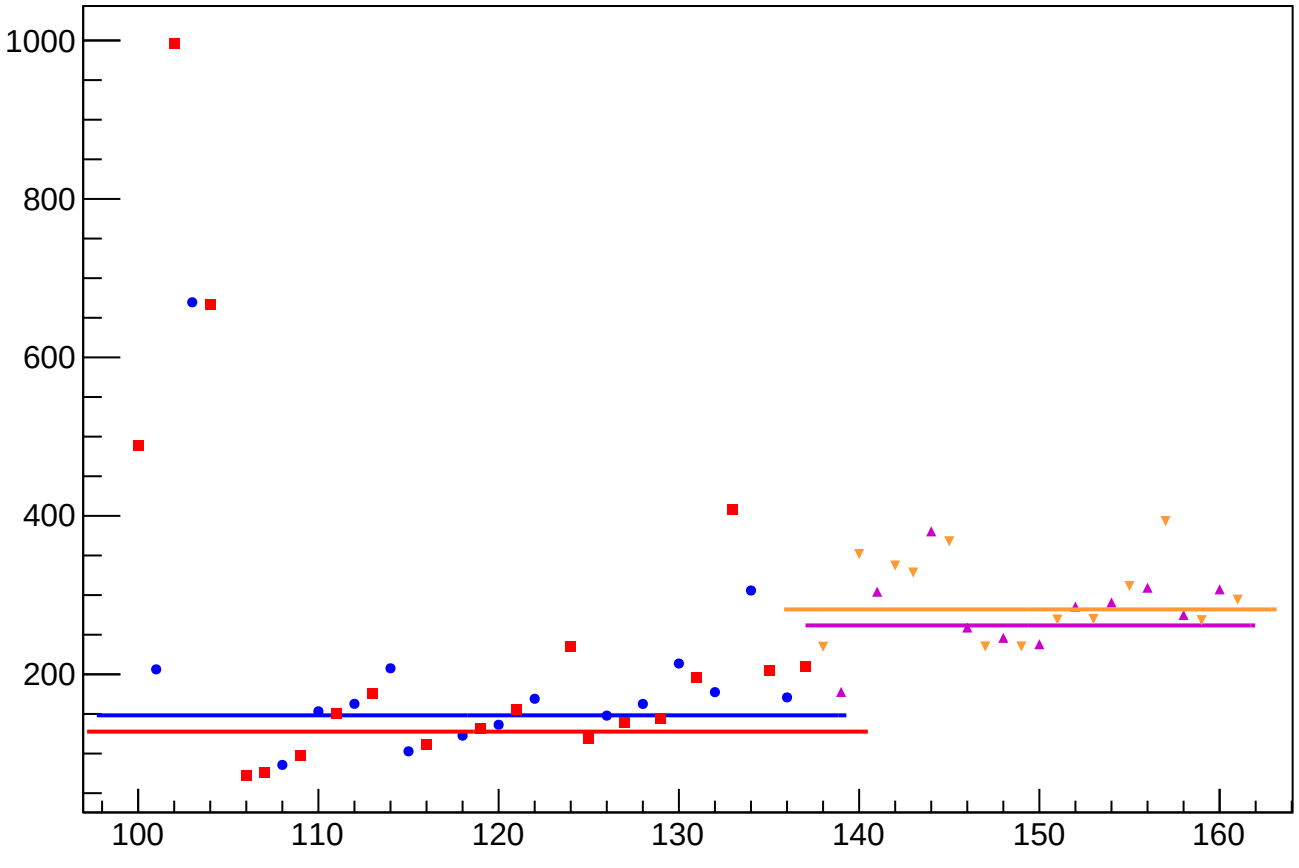
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.008+/-0.090 χ²/NDF:18.6/12
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.022+/-0.087 χ²/NDF:14.0/10
Left: 0.007+/-0.062 χ²/NDF: 32.7/23
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.039+/-0.049 χ²/NDF:22.6/26
Out: -0.049+/-0.047 χ²/NDF:41.2/31
All: -0.007+/-0.034 χ²/NDF: 65.4/58



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.917+/-0.063 χ^2/NDF:555797.1/12

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

Left: 271.538+/-0.044 χ^2/NDF: 1287277.3/23

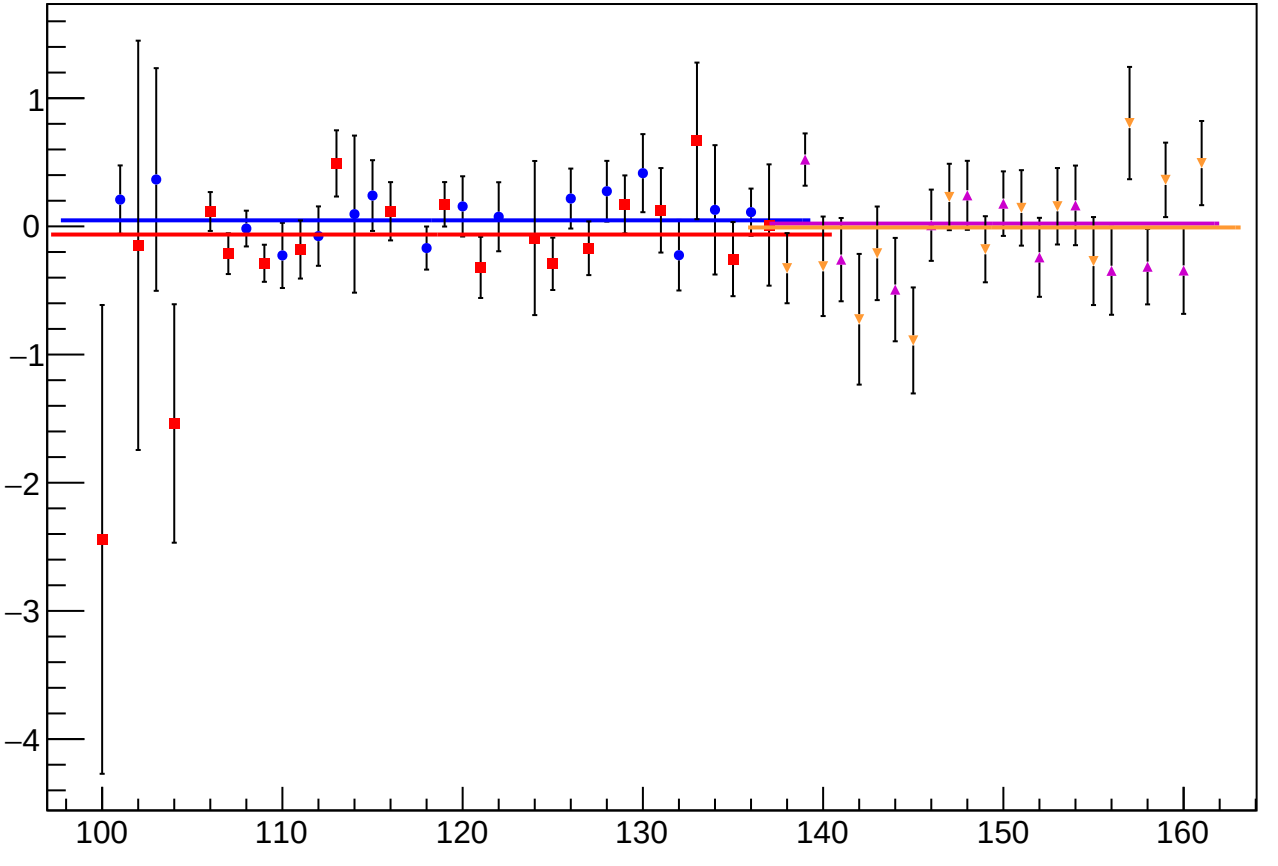
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.788+/-0.035 χ^2/NDF:4691450.6/26

Out: 169.569+/-0.033 χ^2/NDF:7720733.1/31

All: 176.741+/-0.024 χ^2/NDF: 12512461.9/58

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: -0.008+/-0.090 χ^2/NDF:18.6/12

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.022+/-0.087 χ^2/NDF:14.0/10

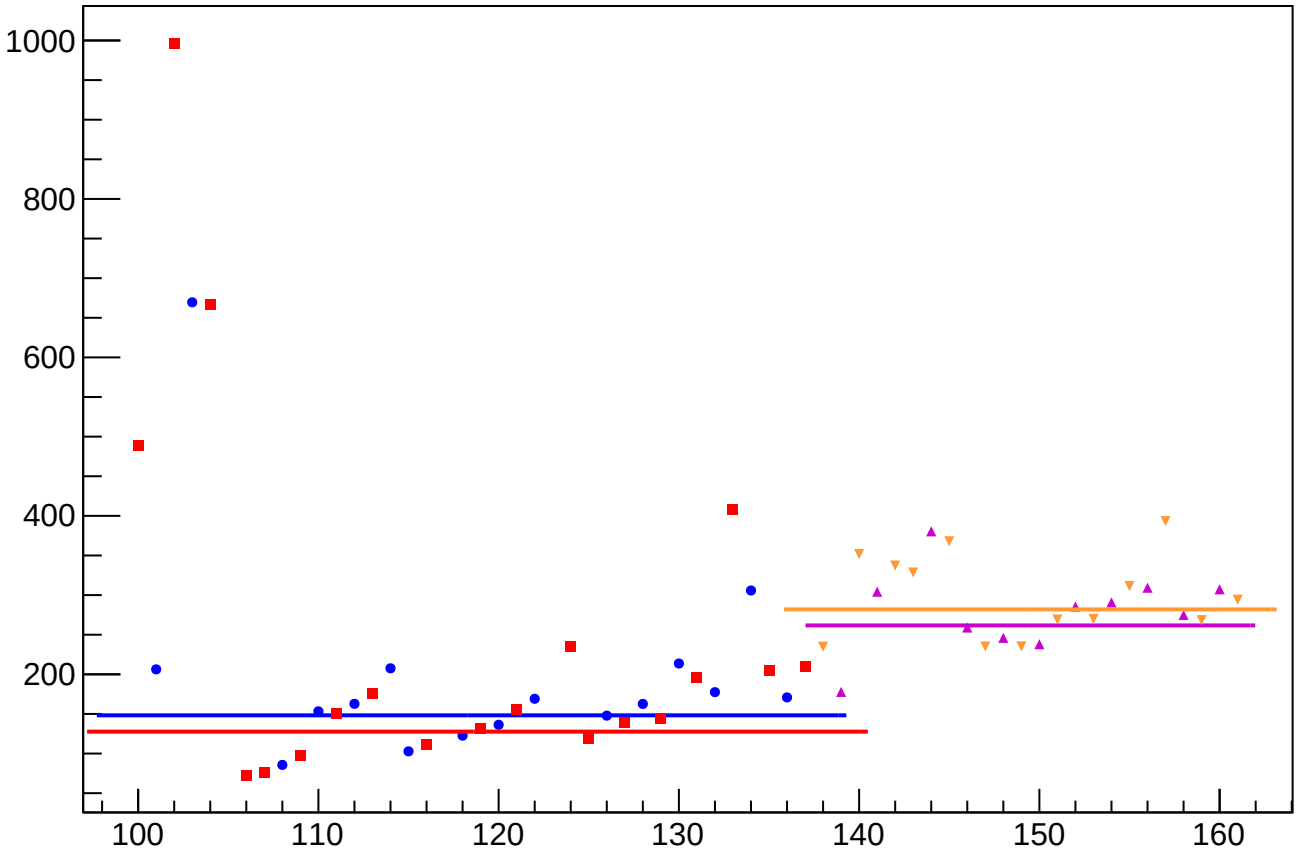
Left: 0.007+/-0.062 χ^2/NDF: 32.7/23

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.039+/-0.049 χ^2/NDF:22.6/26

Out: -0.049+/-0.047 χ^2/NDF:41.2/31

All: -0.007+/-0.034 χ^2/NDF: 65.4/58



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.917+/-0.063 χ^2/NDF:555797.1/12

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

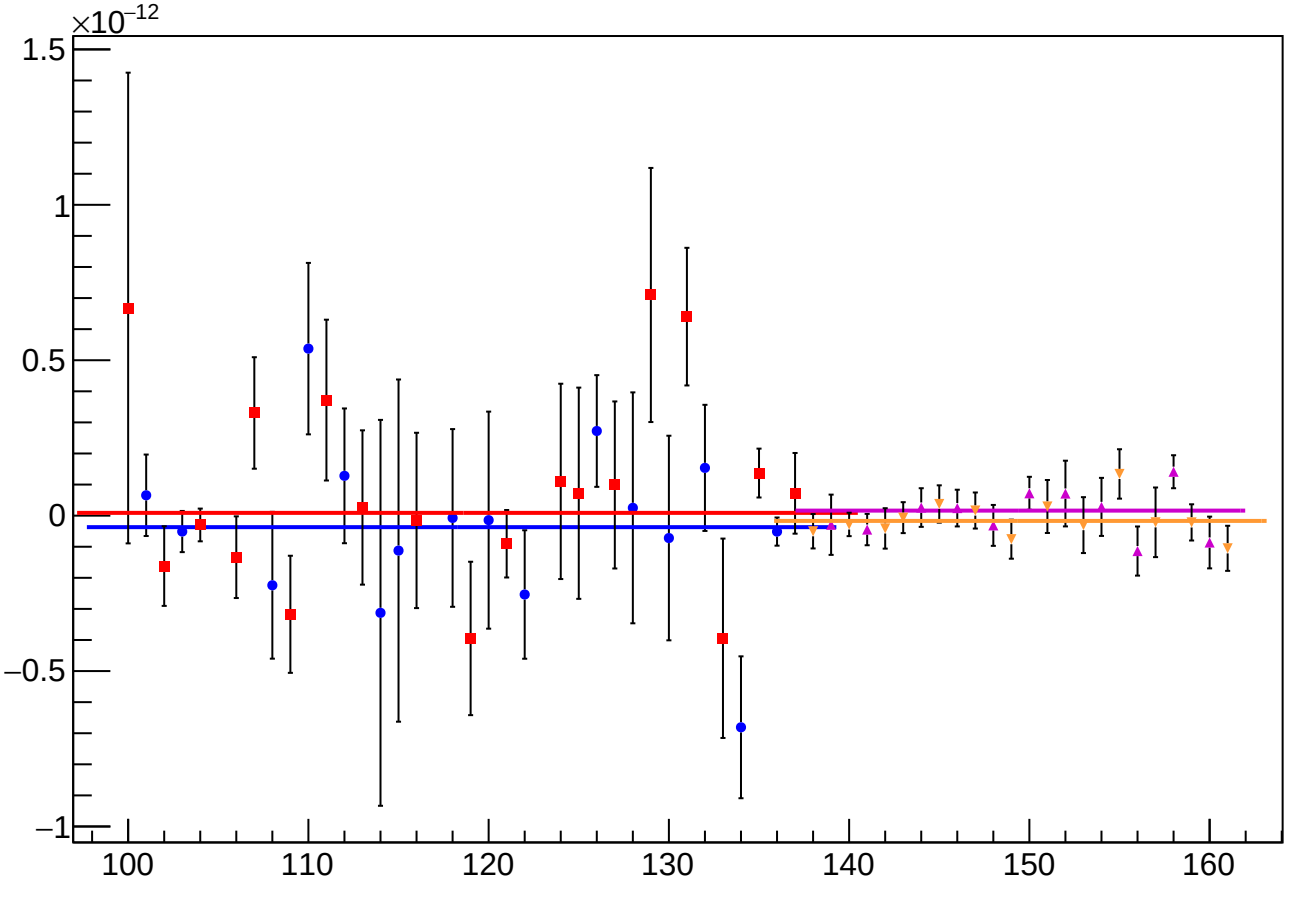
Left: 271.538+/-0.044 χ^2/NDF: 1287277.3/23

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.788+/-0.035 χ^2/NDF:4691450.6/26

Out: 169.569+/-0.033 χ^2/NDF:7720733.1/31

All: 176.741+/-0.024 χ^2/NDF: 12512461.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

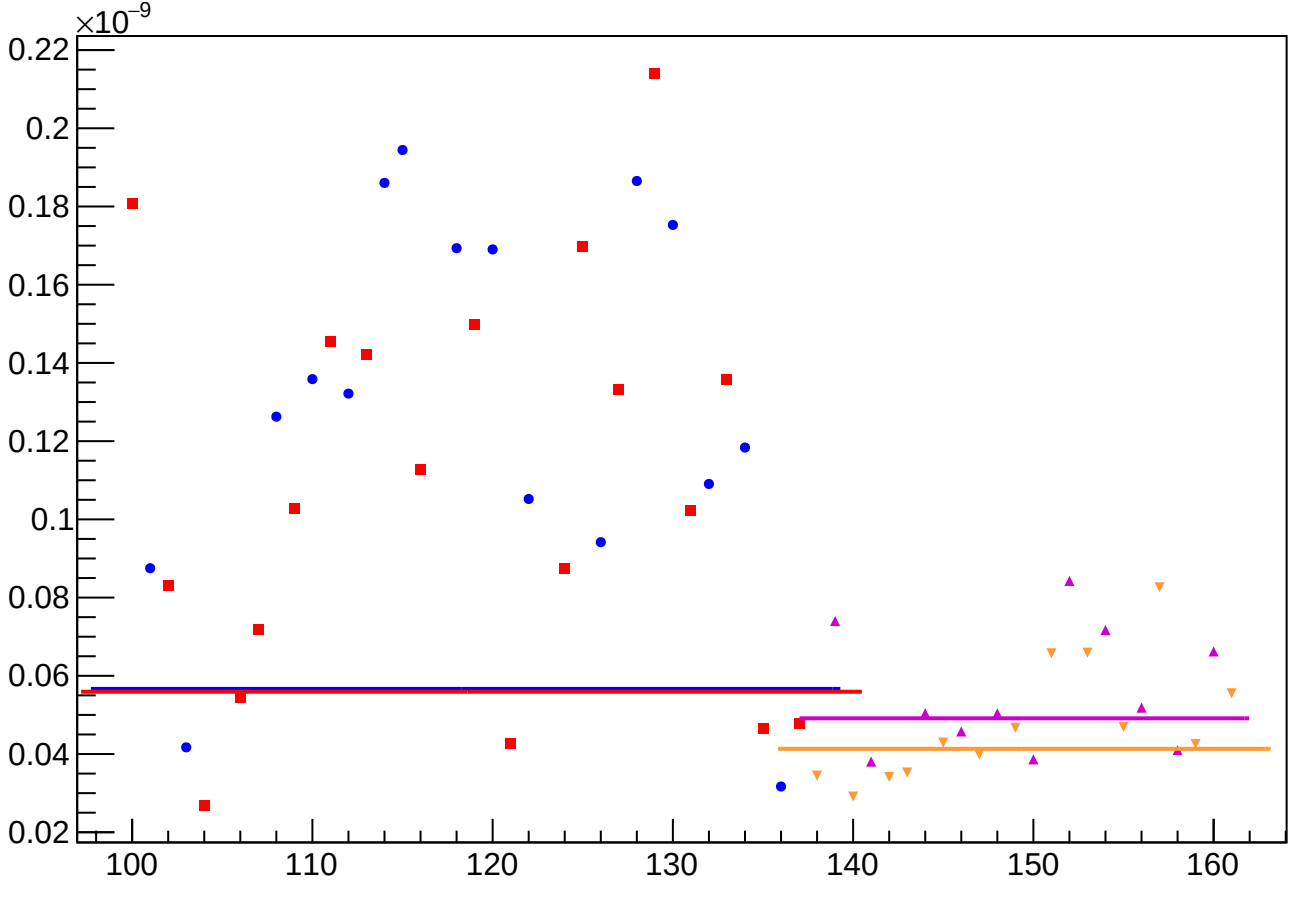
Left: -0.000+/-0.000 χ^2/NDF: 23.1/23

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:34.9/26

Out: -0.000+/-0.000 χ^2/NDF:40.4/31

All: -0.000+/-0.000 χ^2/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:985908.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:786134.3/10

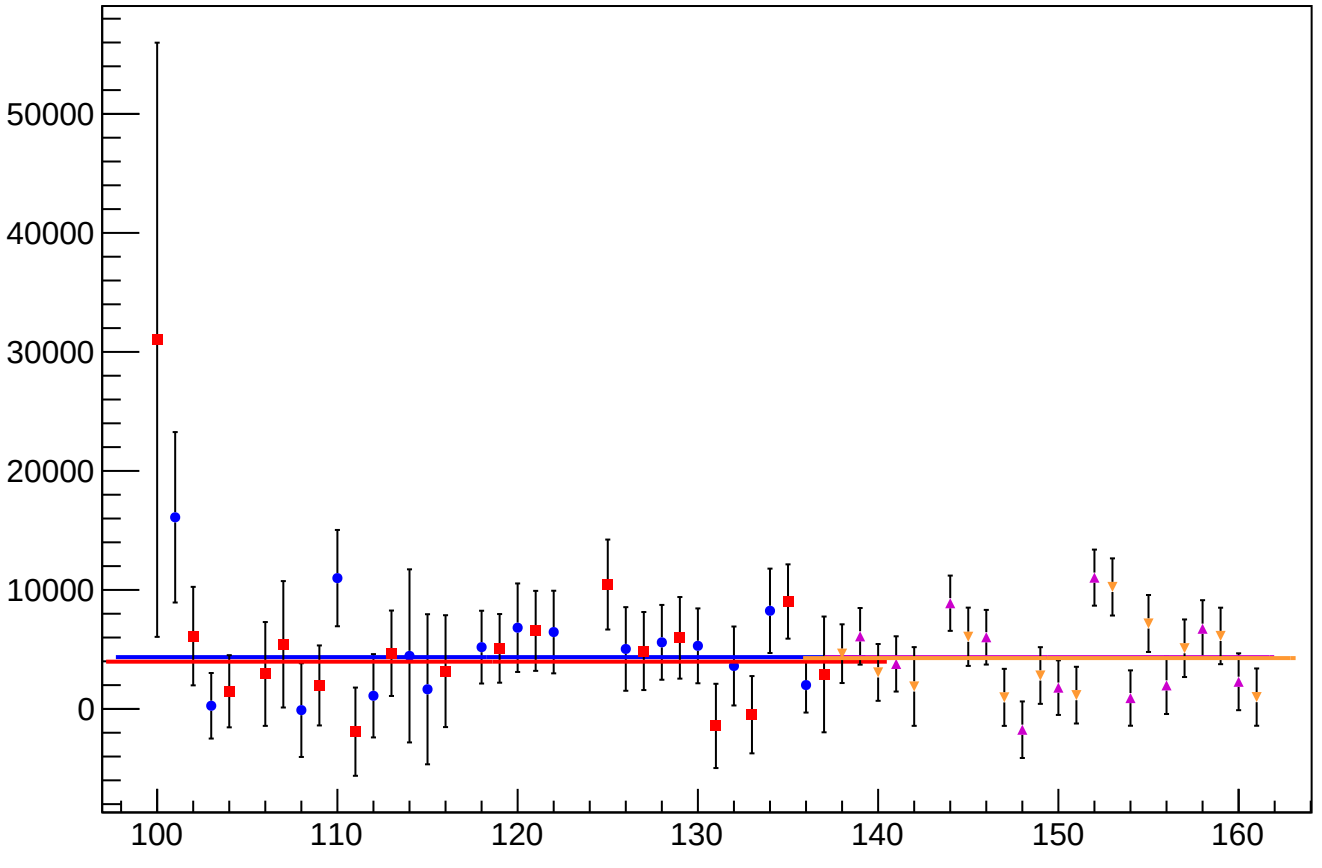
Left: 0.000+/-0.000 χ^2/NDF: 1948951.8/23

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3978235.3/26

Out: 0.000+/-0.000 χ^2/NDF:4043761.5/31

All: 0.000+/-0.000 χ^2/NDF: 8197381.9/58



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.800+/-708.237 χ^2/NDF:15.6/11

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4355.416+/-708.750 χ^2/NDF:25.7/10

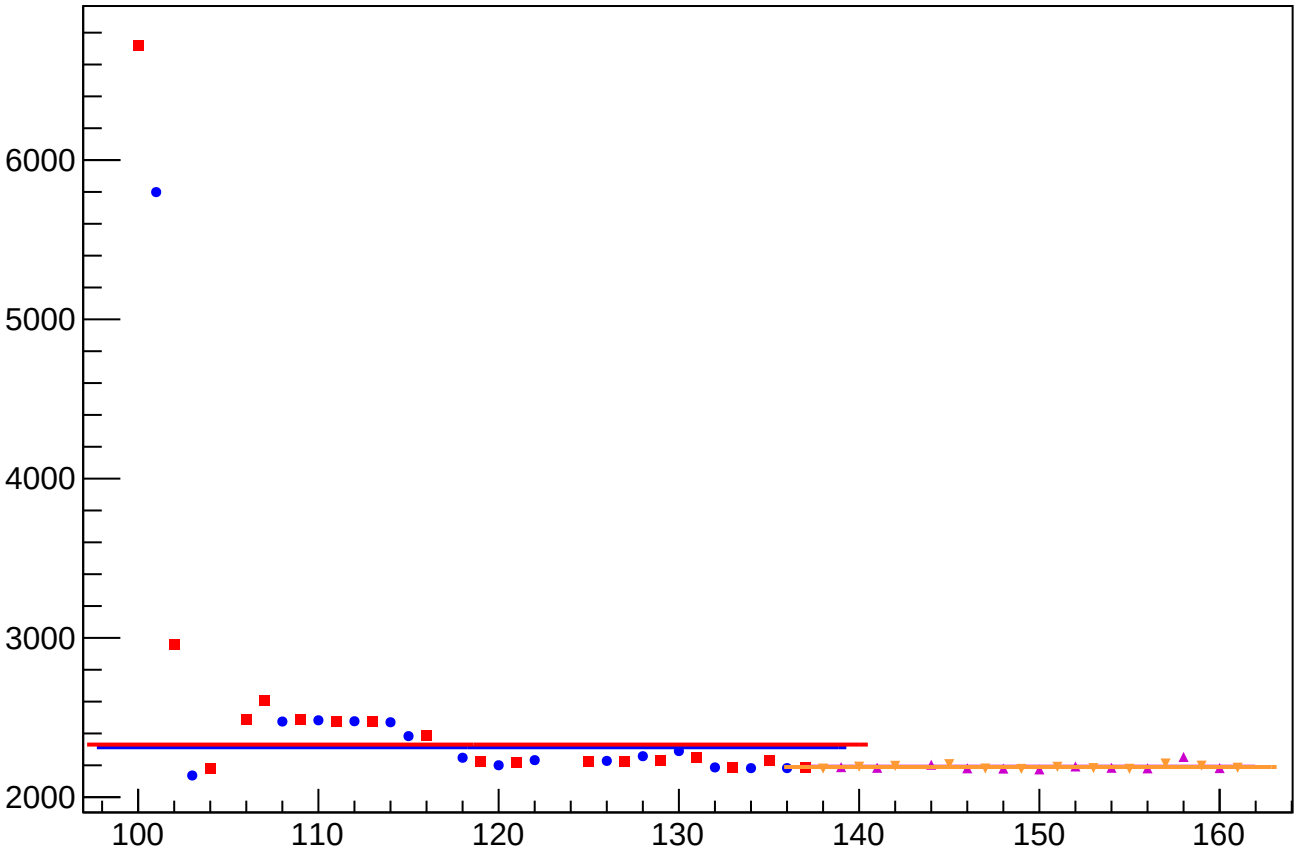
Left: 4313.578+/-500.981 χ^2/NDF: 41.3/22

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4354.994+/-550.783 χ^2/NDF:39.1/26

Out: 4152.396+/-549.580 χ^2/NDF:31.8/29

All: 4253.473+/-389.036 χ^2/NDF: 71.0/56



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2189.334+/-0.501 χ^2/NDF:491.5/11

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

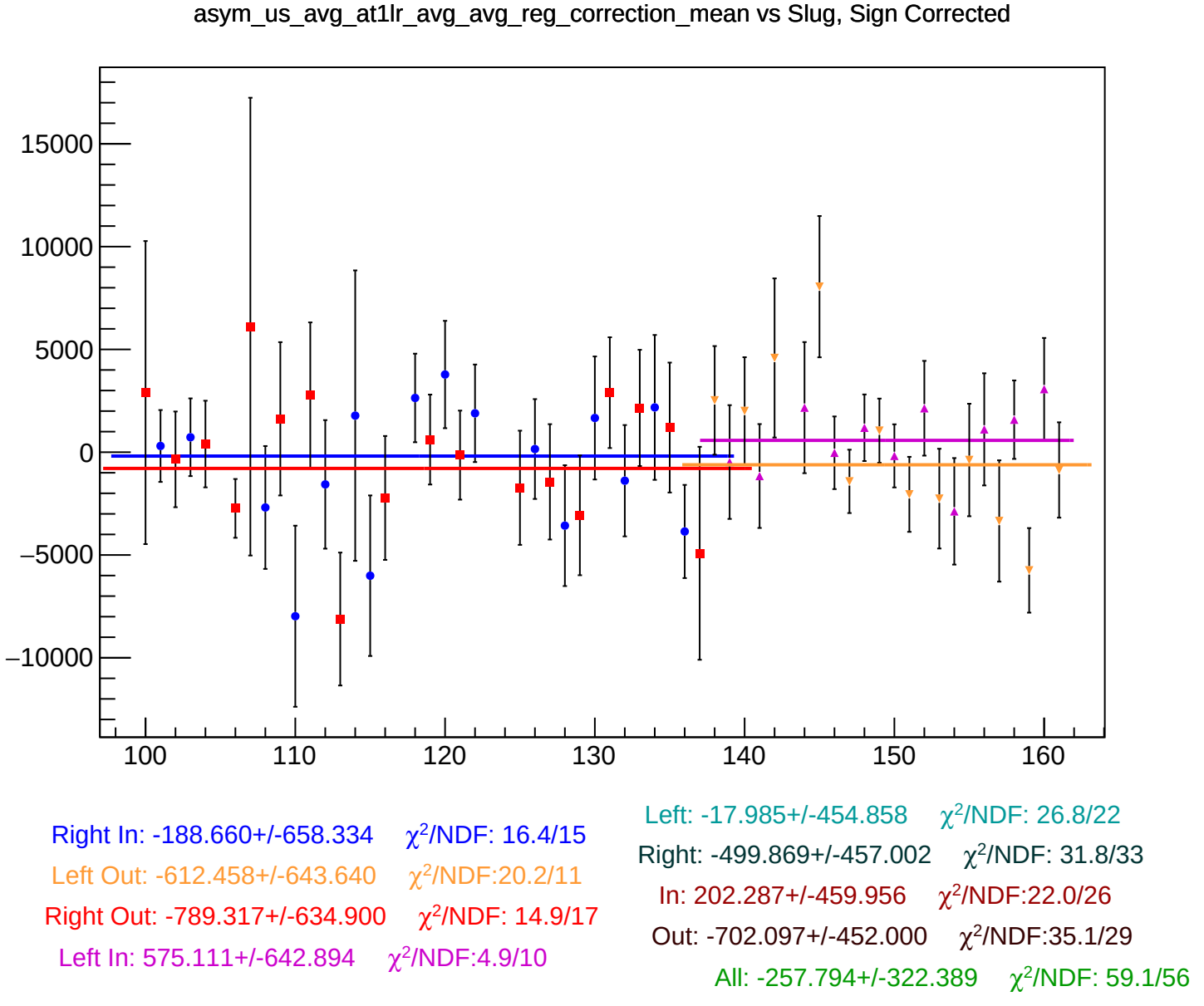
Left: 2190.285+/-0.354 χ^2/NDF: 2161.4/22

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2239.629+/-0.389 χ^2/NDF:537574.8/26

Out: 2245.378+/-0.389 χ^2/NDF:183180.1/29

All: 2242.510+/-0.275 χ^2/NDF: 720864.1/56


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
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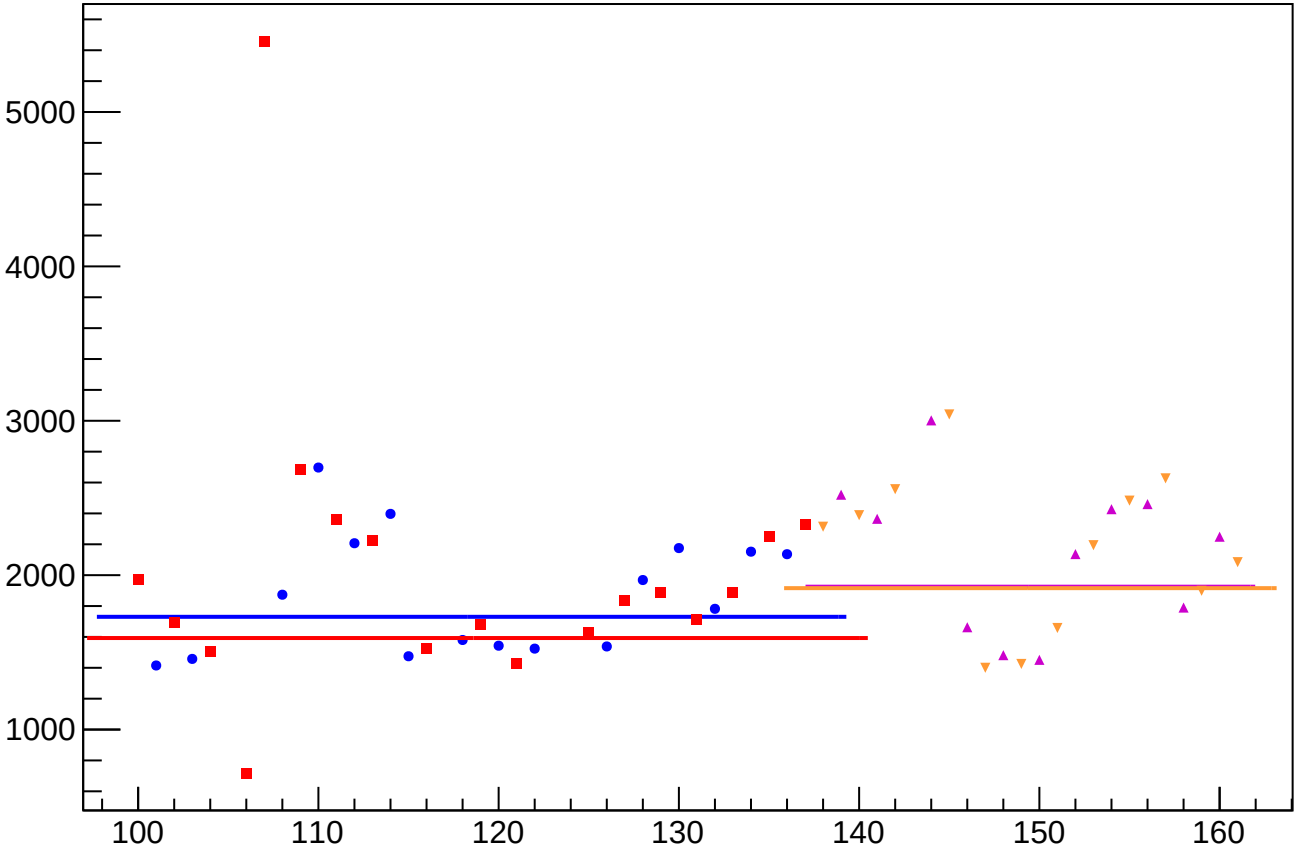
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -612.458+/-643.640 χ²/NDF:20.2/11
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 575.111+/-642.894 χ²/NDF:4.9/10
Left: -17.985+/-454.858 χ²/NDF: 26.8/22
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 202.287+/-459.956 χ²/NDF:22.0/26
Out: -702.097+/-452.000 χ²/NDF:35.1/29
All: -257.794+/-322.389 χ²/NDF: 59.1/56

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: 1915.892+/-0.455 χ^2/NDF:1081127.4/11

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1925.394+/-0.455 χ^2/NDF:978980.1/10

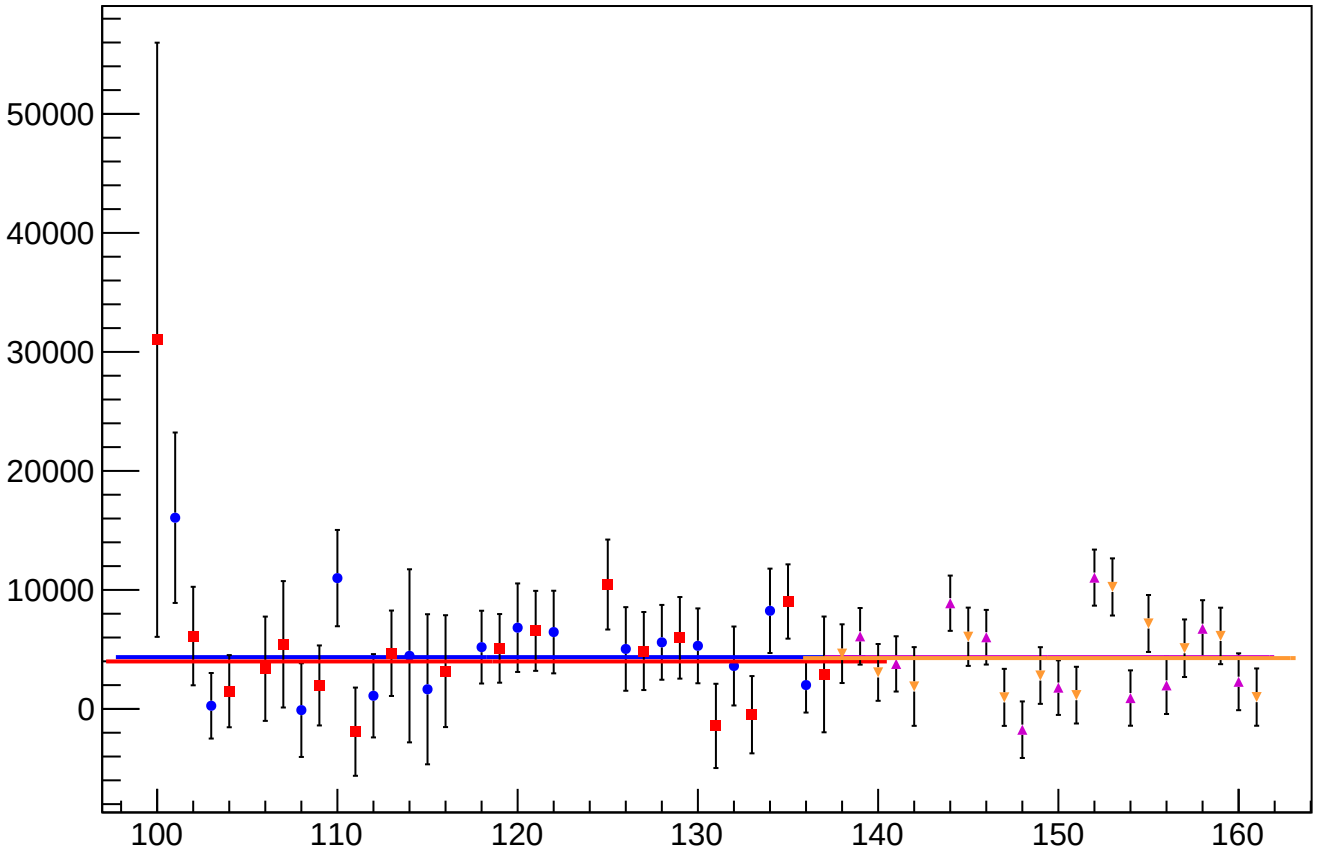
Left: 1920.648+/-0.322 χ^2/NDF: 2060325.7/22

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1830.156+/-0.325 χ^2/NDF:1547828.0/26

Out: 1752.150+/-0.320 χ^2/NDF:2892718.6/29

All: 1790.472+/-0.228 χ^2/NDF: 4469810.7/56



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.718+/-708.237 χ^2/NDF:15.6/11

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4355.563+/-708.750 χ^2/NDF:25.7/10

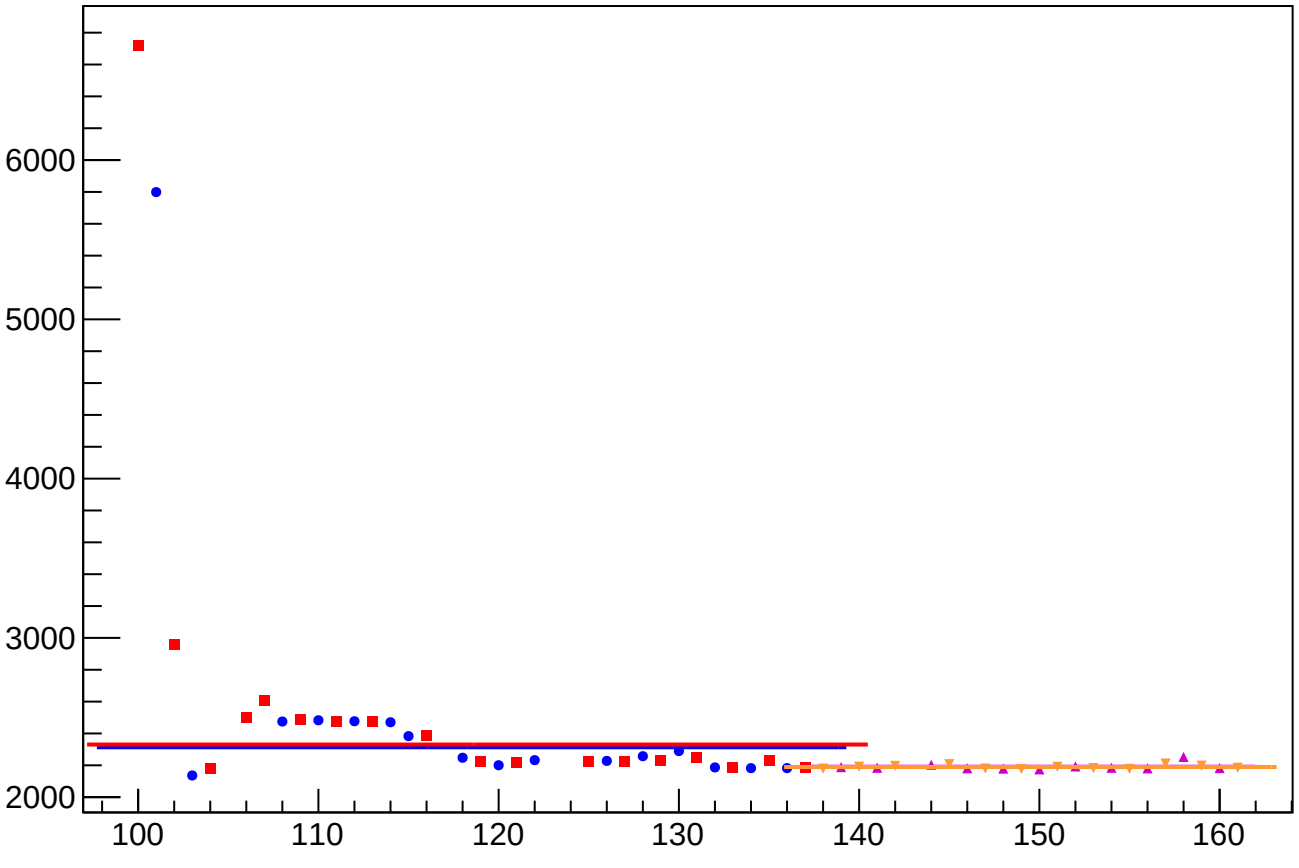
Left: 4313.610+/-500.981 χ^2/NDF: 41.3/22

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4354.813+/-550.783 χ^2/NDF:39.1/26

Out: 4159.614+/-549.617 χ^2/NDF:31.8/29

All: 4257.007+/-389.050 χ^2/NDF: 70.9/56



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.334+/-0.501 χ^2/NDF:491.5/11

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

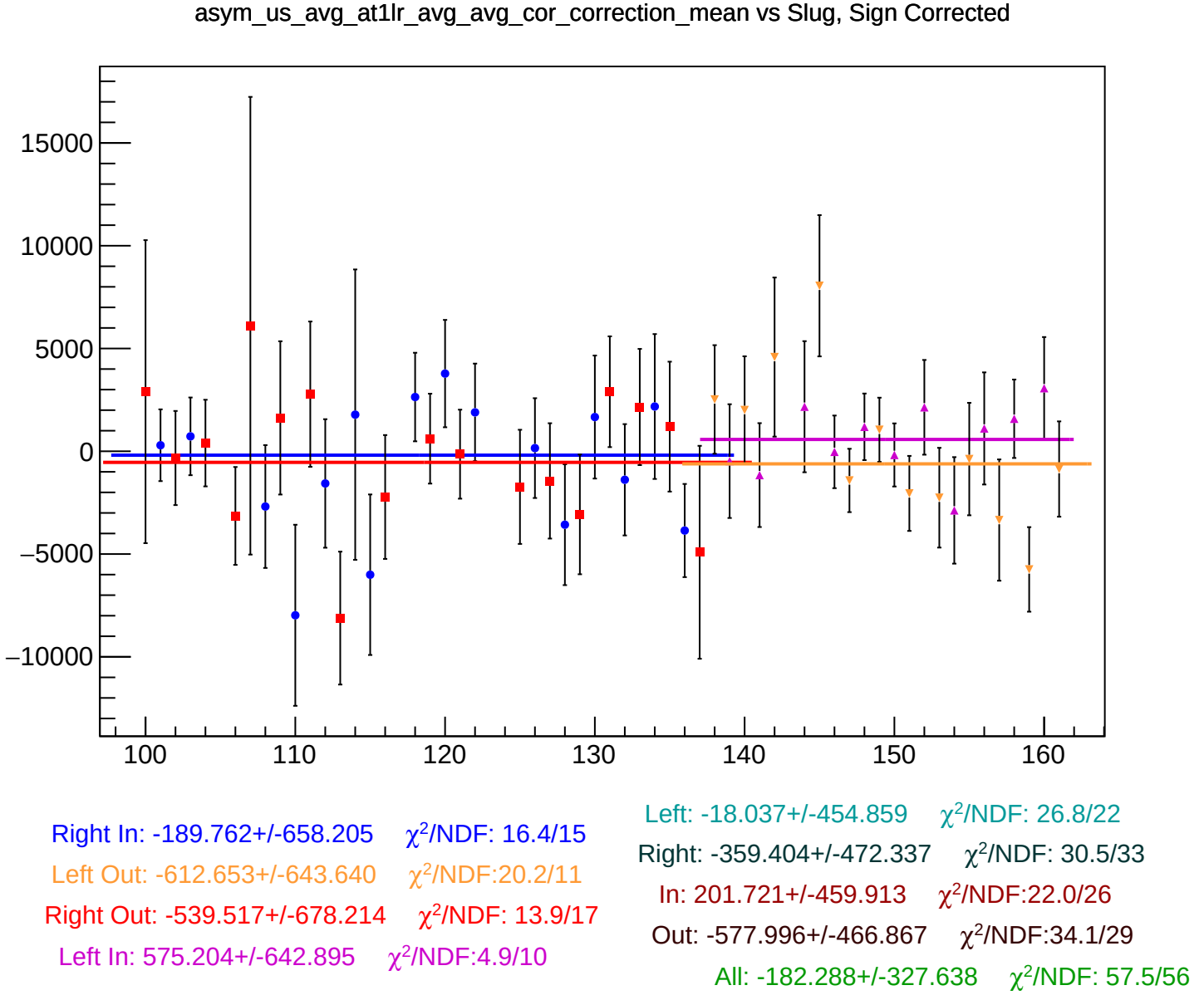
Left: 2190.285+/-0.354 χ^2/NDF: 2161.4/22

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

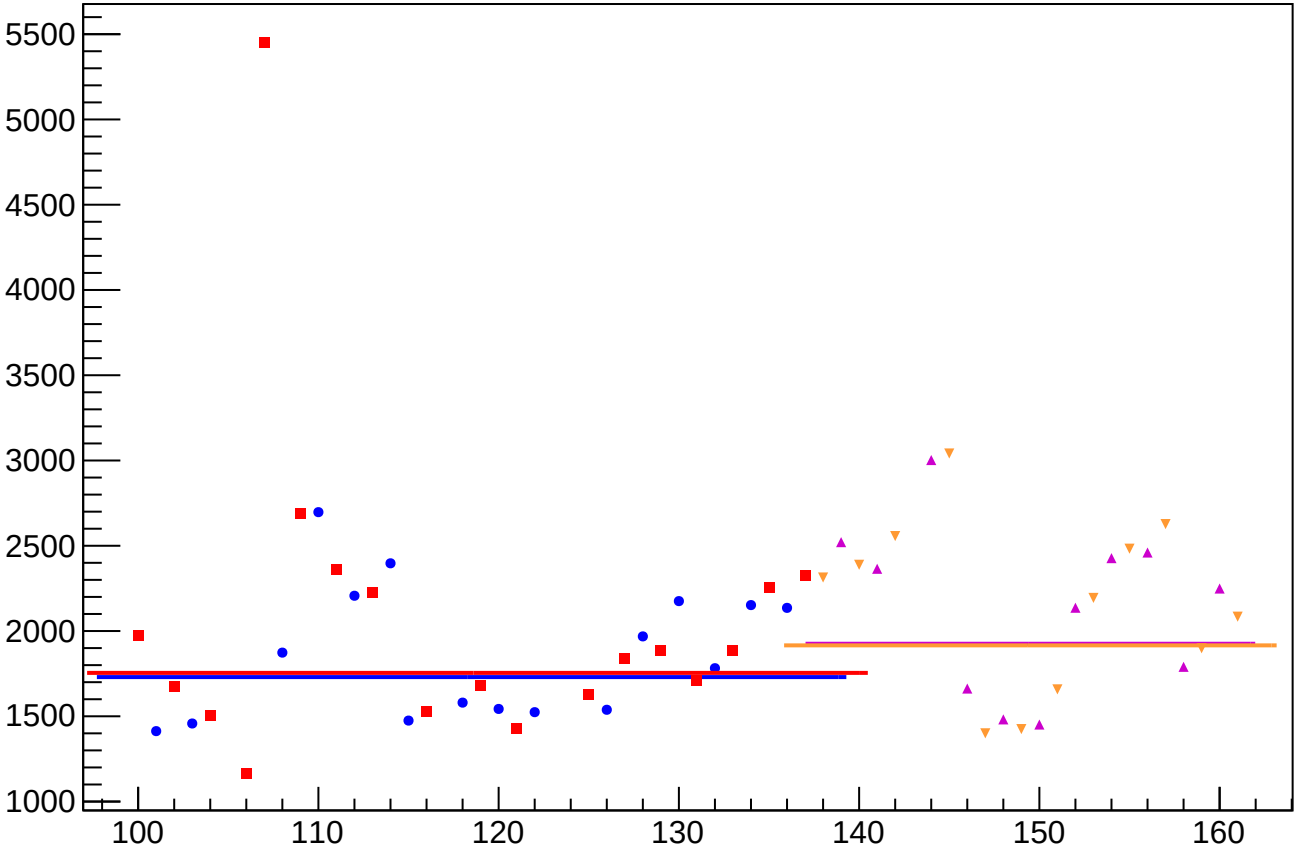
In: 2239.629+/-0.389 χ^2/NDF:537575.2/26

Out: 2245.514+/-0.389 χ^2/NDF:183684.9/29

All: 2242.578+/-0.275 χ^2/NDF: 721374.5/56


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.653+/-643.640 χ²/NDF:20.2/11
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 575.204+/-642.895 χ²/NDF:4.9/10
Left: -18.037+/-454.859 χ²/NDF: 26.8/22
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 201.721+/-459.913 χ²/NDF:22.0/26
Out: -577.996+/-466.867 χ²/NDF:34.1/29
All: -182.288+/-327.638 χ²/NDF: 57.5/56

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: 1915.893+/-0.455 χ^2/NDF:1081159.3/11

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

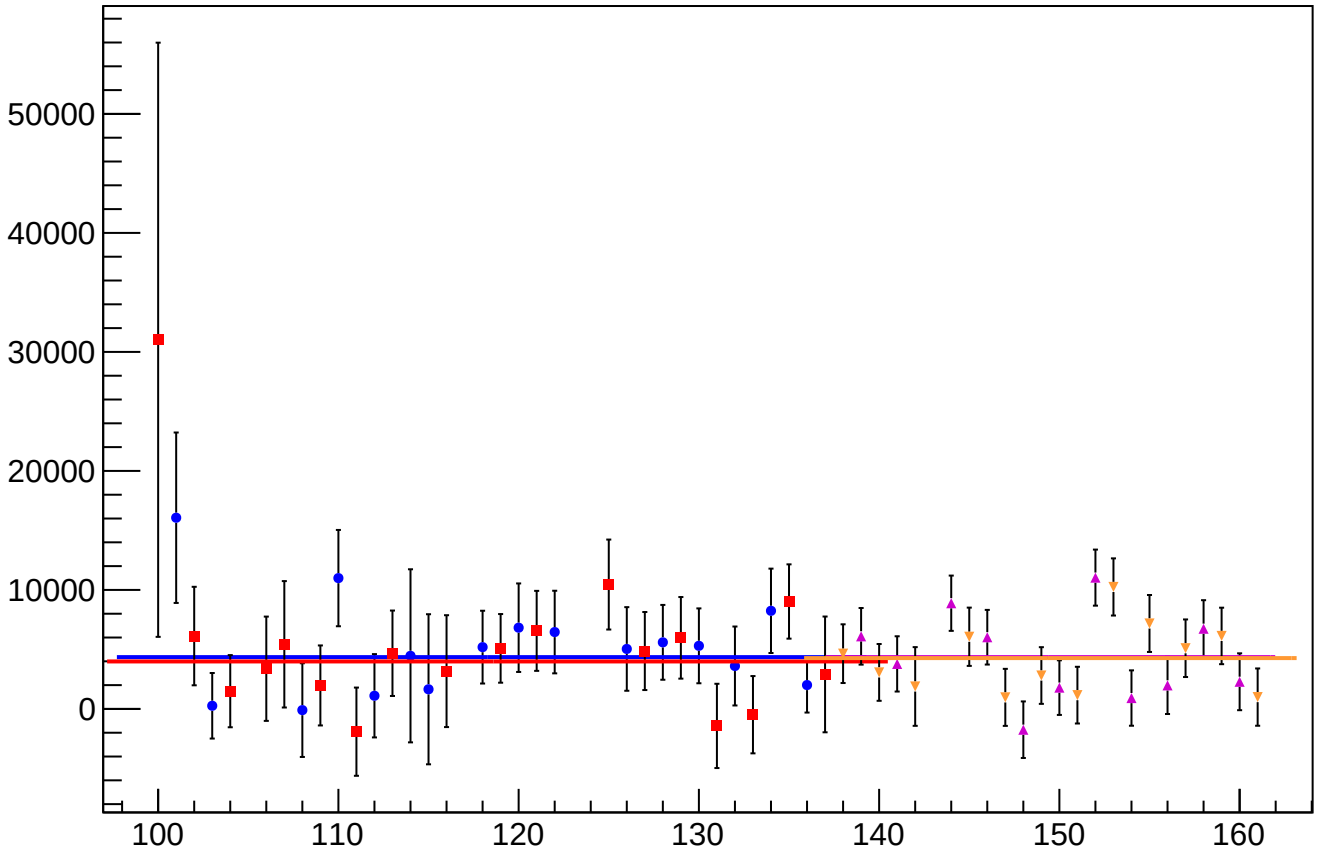
Left: 1920.651+/-0.322 χ^2/NDF: 2060380.0/22

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1829.949+/-0.325 χ^2/NDF:1549197.9/26

Out: 1839.427+/-0.330 χ^2/NDF:1891738.3/29

All: 1834.617+/-0.232 χ^2/NDF: 3441354.6/56



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.718+/-708.237 χ^2/NDF:15.6/11

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4355.563+/-708.750 χ^2/NDF:25.7/10

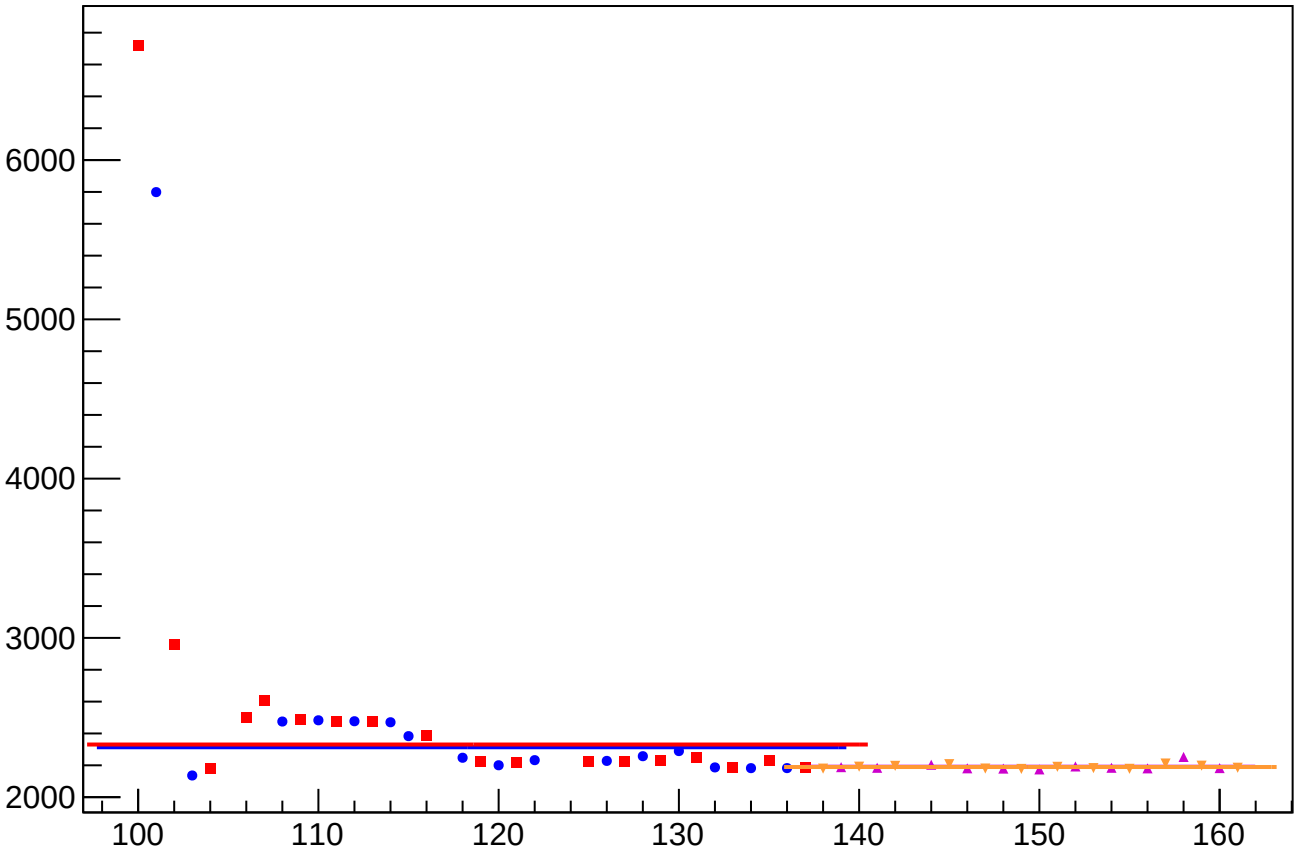
Left: 4313.610+/-500.981 χ^2/NDF: 41.3/22

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4354.813+/-550.783 χ^2/NDF:39.1/26

Out: 4159.614+/-549.617 χ^2/NDF:31.8/29

All: 4257.007+/-389.050 χ^2/NDF: 70.9/56



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.334+/-0.501 χ^2/NDF:491.5/11

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

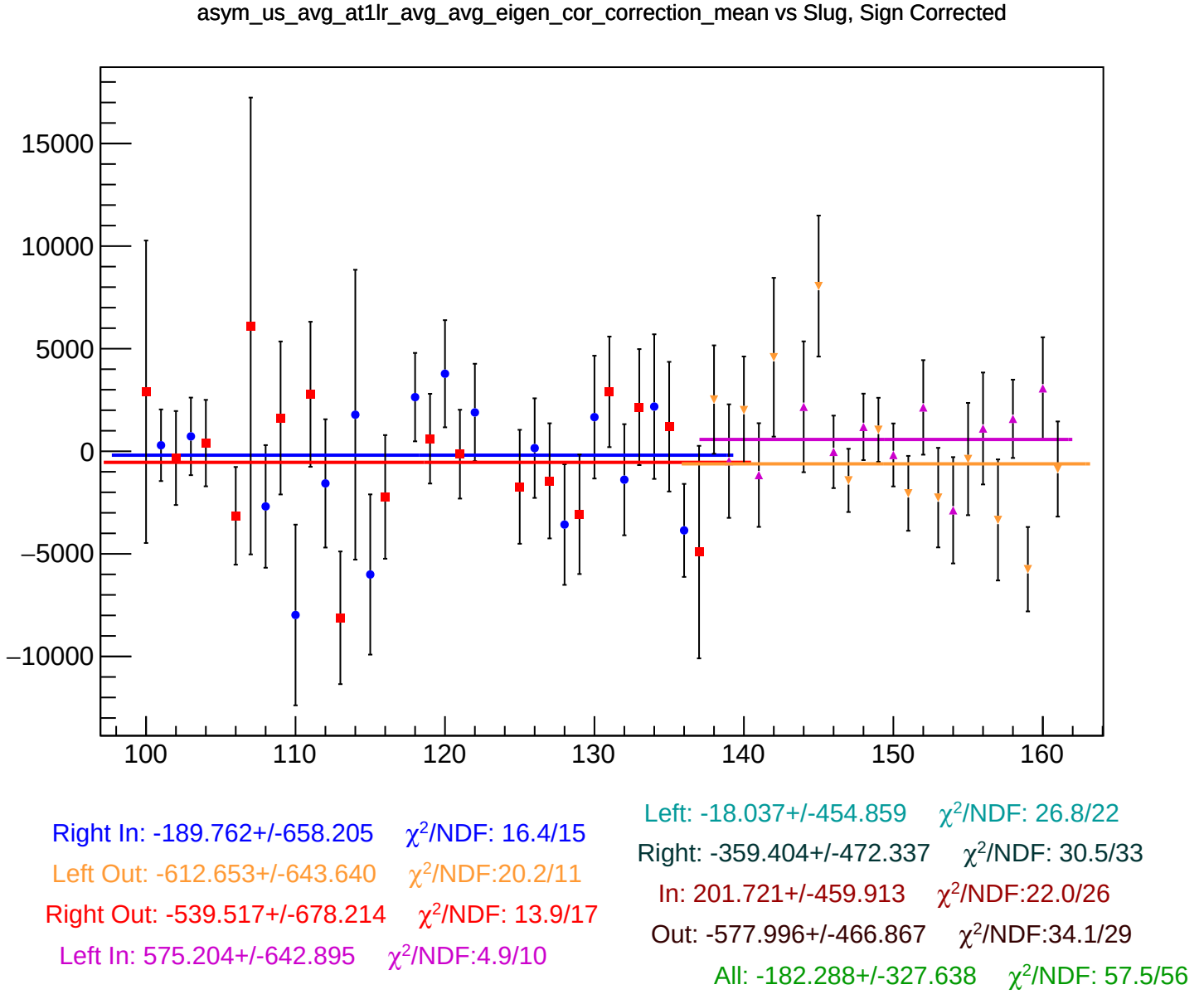
Left: 2190.285+/-0.354 χ^2/NDF: 2161.4/22

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2239.629+/-0.389 χ^2/NDF:537575.2/26

Out: 2245.514+/-0.389 χ^2/NDF:183684.9/29

All: 2242.578+/-0.275 χ^2/NDF: 721374.5/56


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
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110
120
130
140
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Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.653+/-643.640 χ²/NDF:20.2/11
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 575.204+/-642.895 χ²/NDF:4.9/10
Left: -18.037+/-454.859 χ²/NDF: 26.8/22
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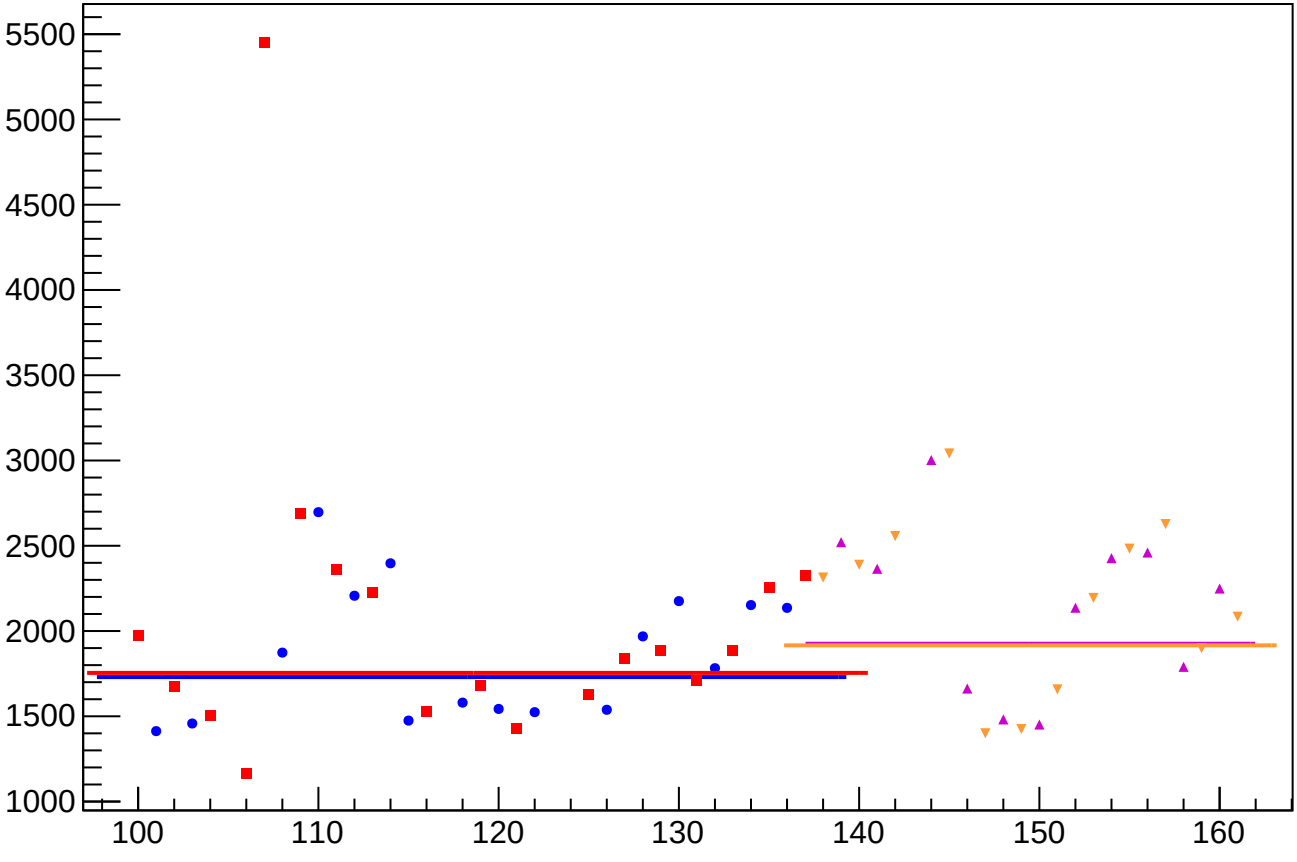
Out: -577.996+/-466.867 χ²/NDF:34.1/29
All: -182.288+/-327.638 χ²/NDF: 57.5/56

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: 1915.893+/-0.455 χ^2/NDF:1081159.3/11

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

Left: 1920.651+/-0.322 χ^2/NDF: 2060380.0/22

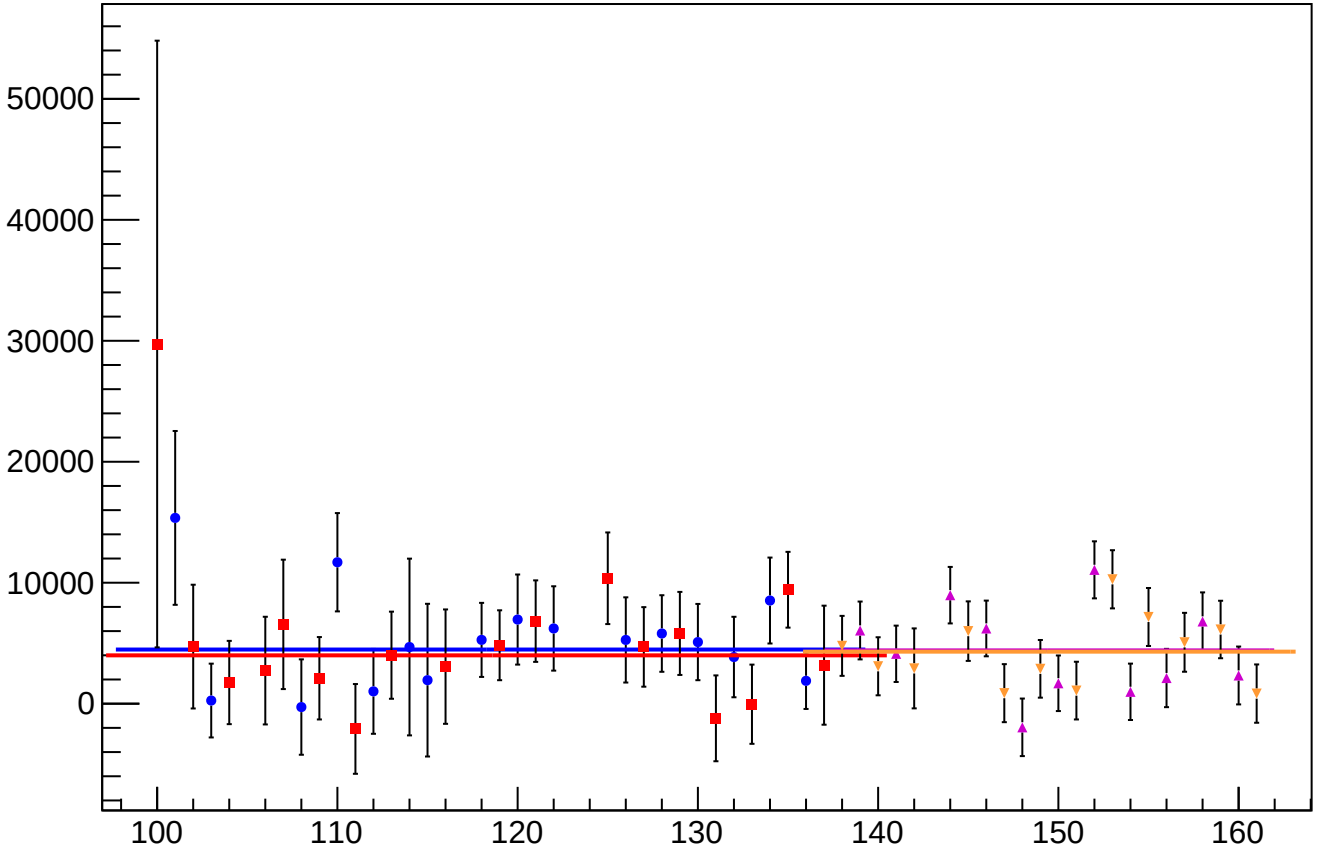
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1829.949+/-0.325 χ^2/NDF:1549197.9/26

Out: 1839.427+/-0.330 χ^2/NDF:1891738.3/29

All: 1834.617+/-0.232 χ^2/NDF: 3441354.6/56

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: 4301.944+/-710.054 χ^2/NDF:15.5/11

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4406.894+/-710.410 χ^2/NDF:26.3/10

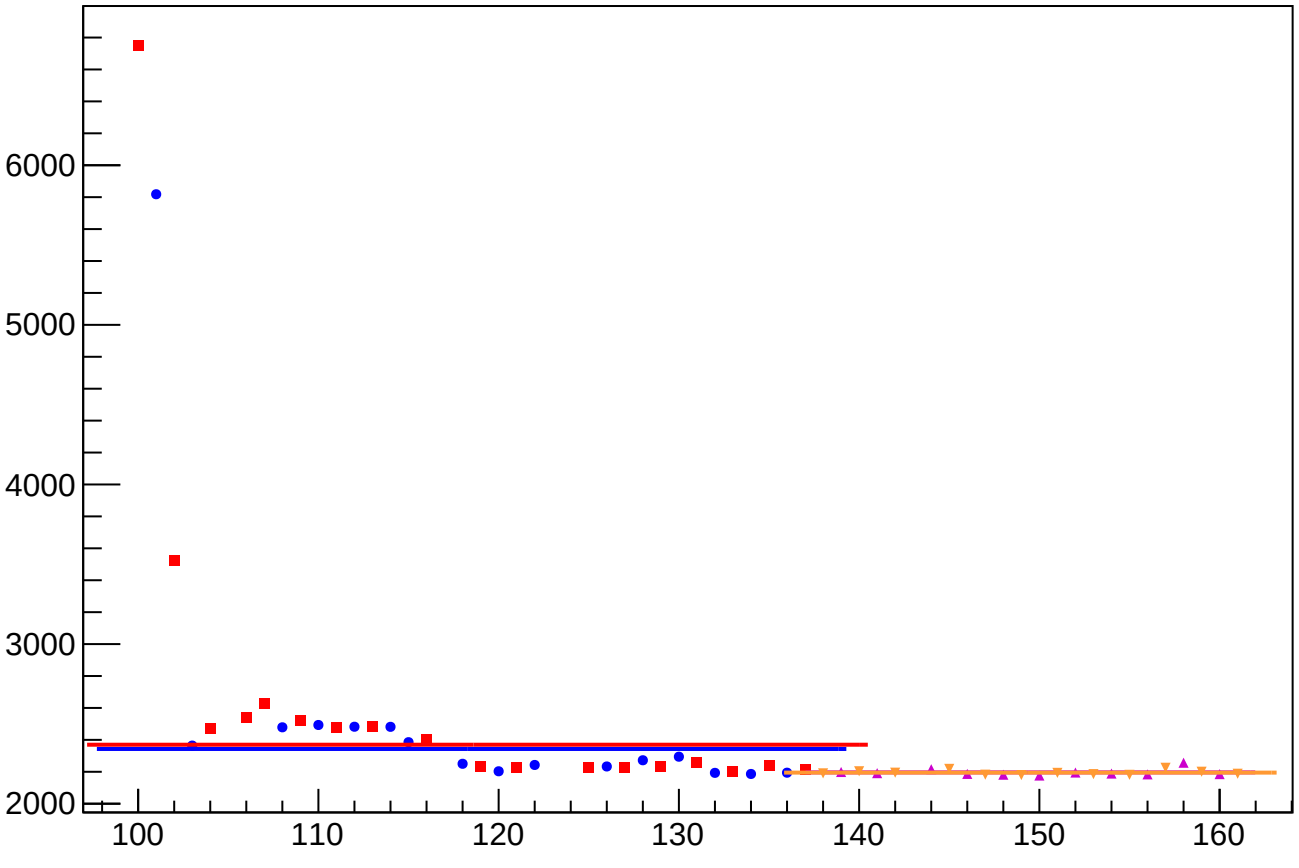
Left: 4354.393+/-502.210 χ^2/NDF: 41.8/22

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4434.102+/-554.267 χ^2/NDF:39.8/26

Out: 4182.946+/-555.158 χ^2/NDF:31.1/29

All: 4308.726+/-392.240 χ^2/NDF: 71.0/56



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.837+/-0.502 χ^2/NDF:790.9/11

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

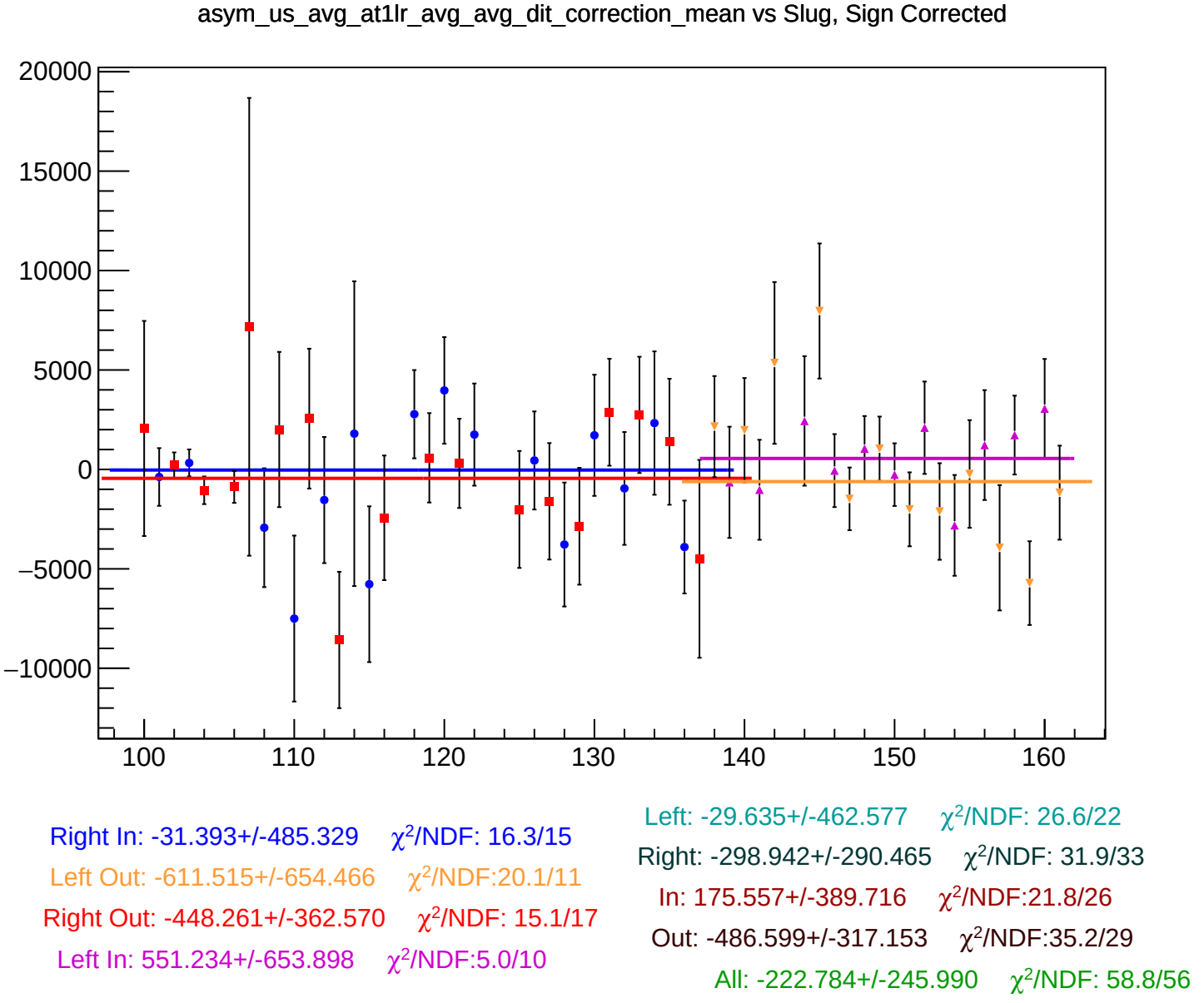
Left: 2195.562+/-0.355 χ^2/NDF: 2592.3/22

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2253.660+/-0.392 χ^2/NDF:537999.8/26

Out: 2262.758+/-0.393 χ^2/NDF:258017.9/29

All: 2258.202+/-0.277 χ^2/NDF: 796286.7/56


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
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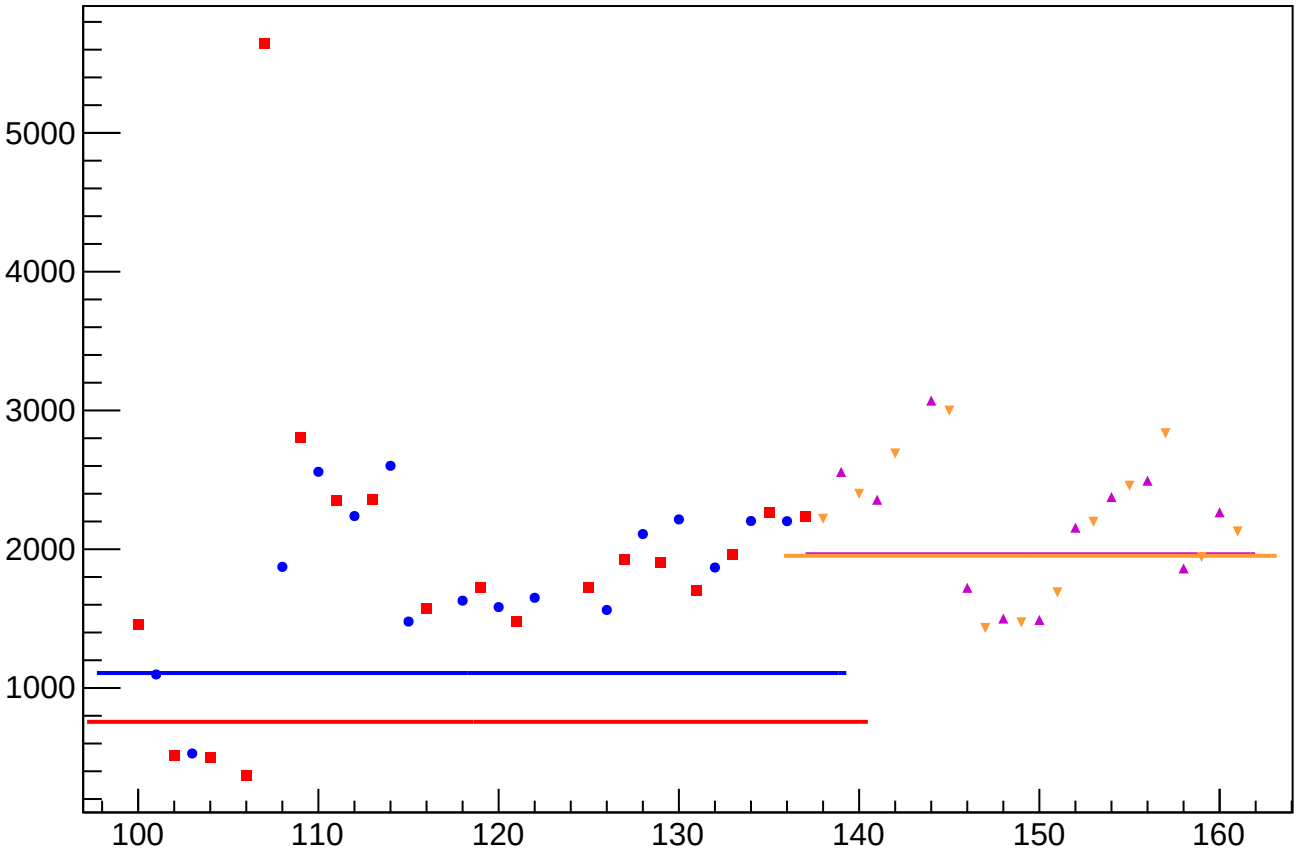
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: -611.515+/-654.466 χ²/NDF:20.1/11
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: 551.234+/-653.898 χ²/NDF:5.0/10
Left: -29.635+/-462.577 χ²/NDF: 26.6/22
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: 175.557+/-389.716 χ²/NDF:21.8/26
Out: -486.599+/-317.153 χ²/NDF:35.2/29
All: -222.784+/-245.990 χ²/NDF: 58.8/56



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1952.844+/-0.463 χ^2/NDF:1027638.7/11

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.577+/-0.462 χ^2/NDF:919788.0/10

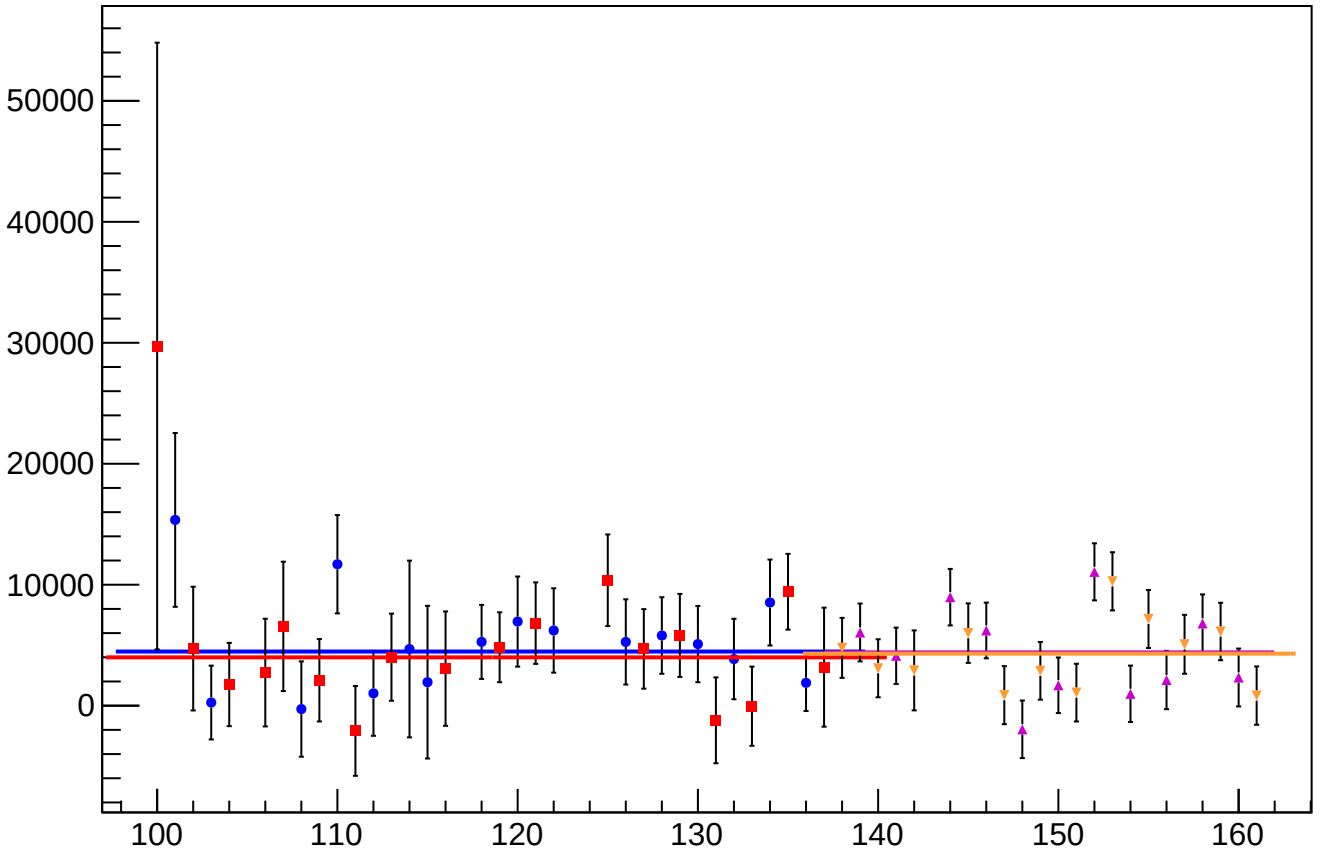
Left: 1958.215+/-0.327 χ^2/NDF: 1947695.9/22

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1411.993+/-0.276 χ^2/NDF:6873306.8/26

Out: 1037.382+/-0.224 χ^2/NDF:11745098.1/29

All: 1186.634+/-0.174 χ^2/NDF: 19730107.5/5



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4301.942+/-710.054 χ^2/NDF:15.5/11

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4406.896+/-710.410 χ^2/NDF:26.3/10

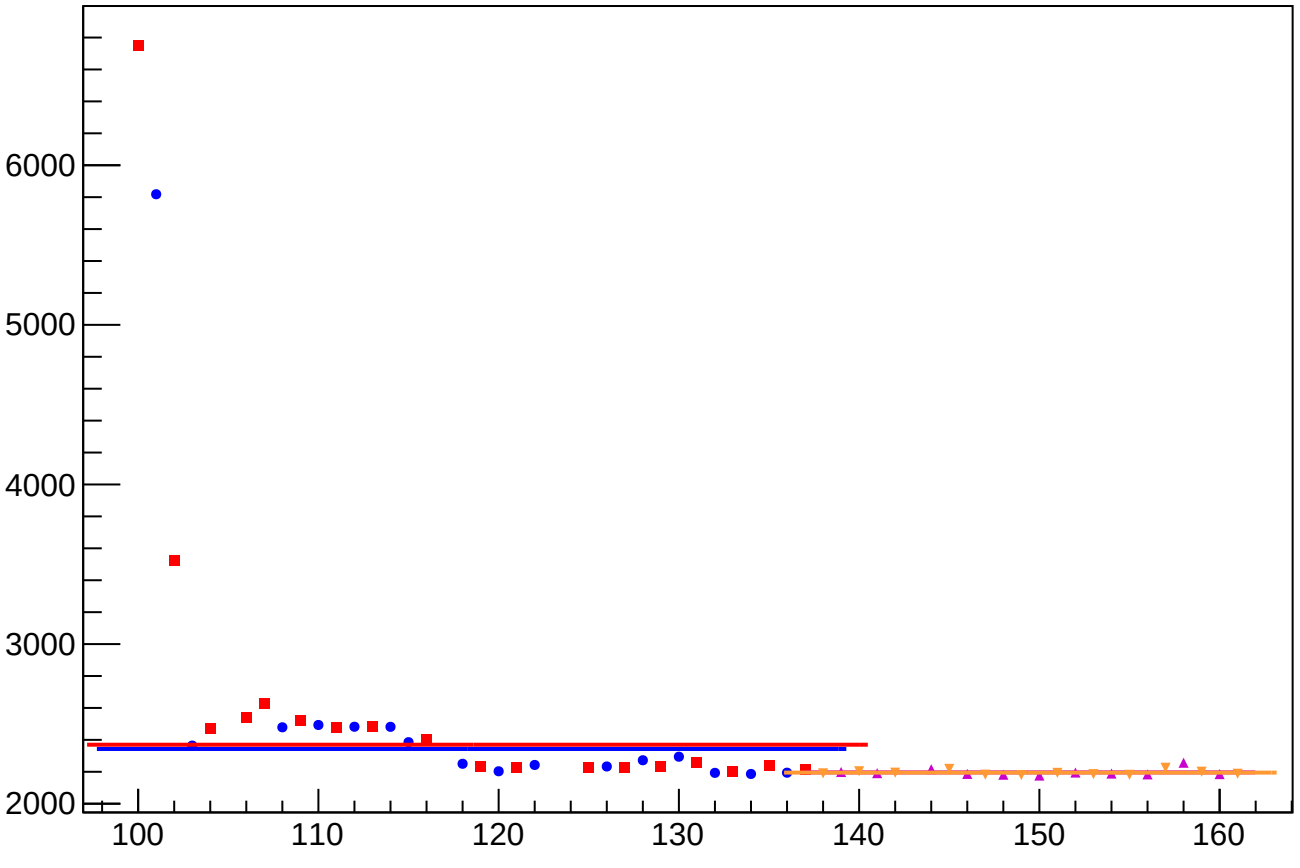
Left: 4354.393+/-502.210 χ^2/NDF: 41.8/22

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4434.102+/-554.267 χ^2/NDF:39.8/26

Out: 4182.944+/-555.157 χ^2/NDF:31.1/29

All: 4308.724+/-392.240 χ^2/NDF: 71.0/56



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.837+/-0.502 χ^2/NDF:790.9/11

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

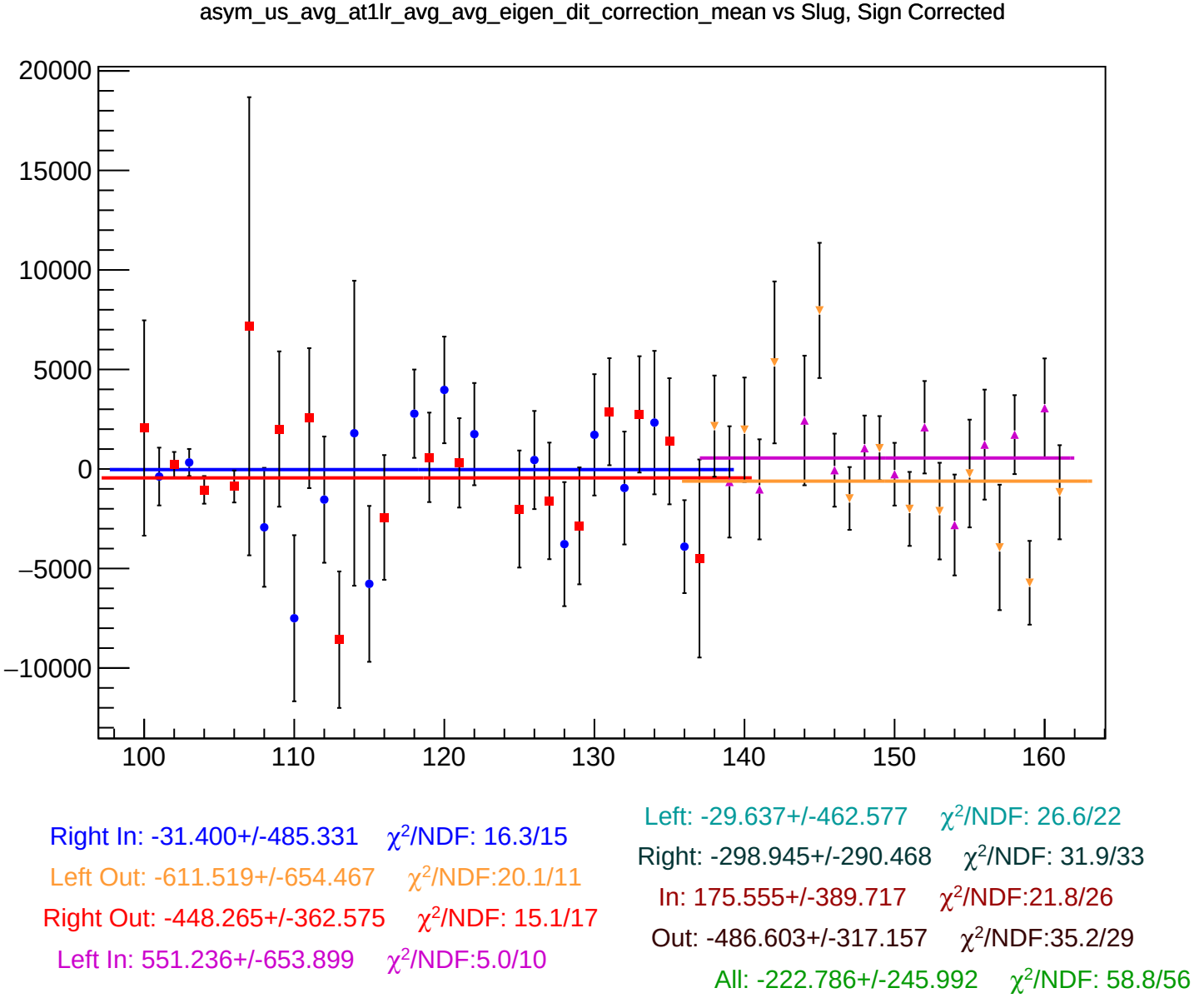
Left: 2195.562+/-0.355 χ^2/NDF: 2592.3/22

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

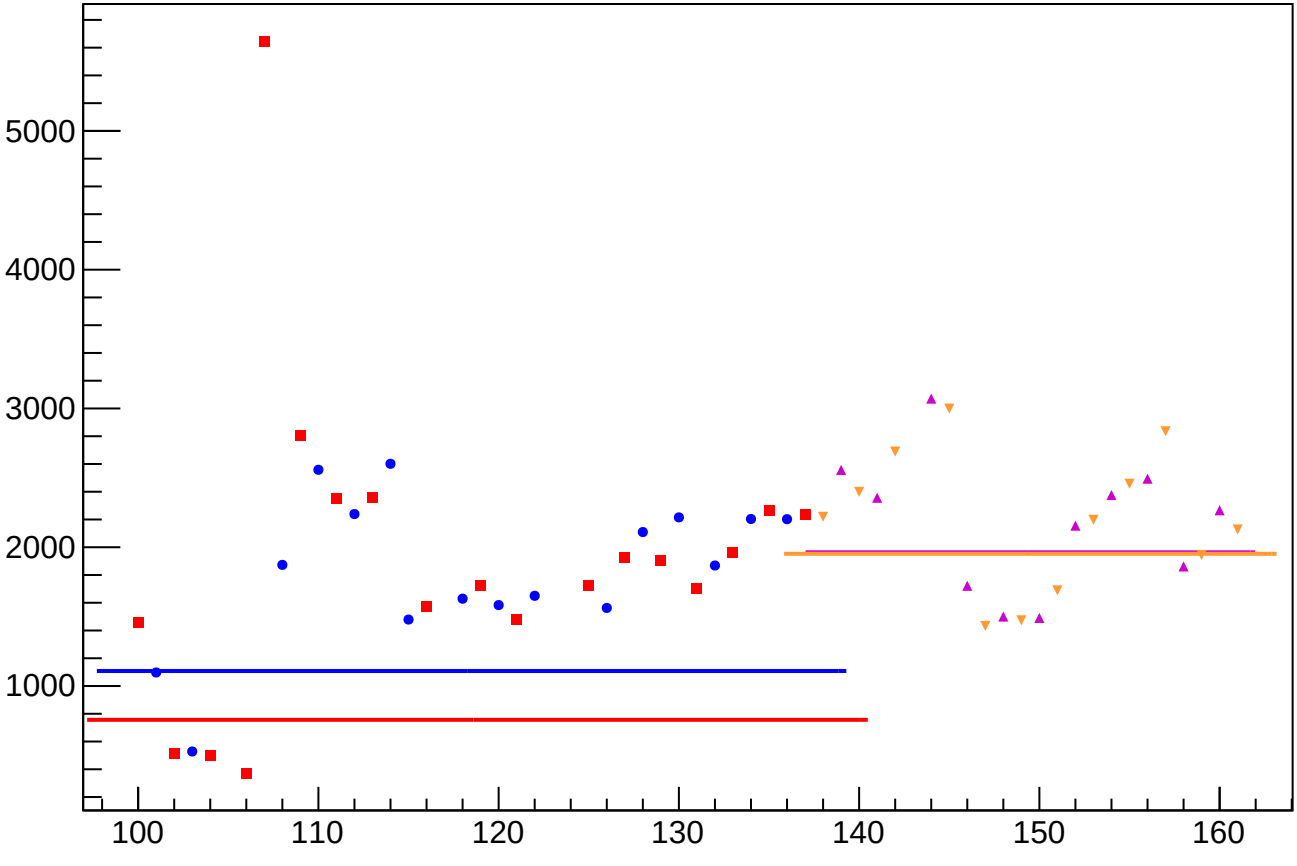
In: 2253.659+/-0.392 χ^2/NDF:537999.6/26

Out: 2262.758+/-0.393 χ^2/NDF:258016.5/29

All: 2258.201+/-0.277 χ^2/NDF: 796285.1/56


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -611.519+/-654.467 χ²/NDF:20.1/11
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 551.236+/-653.899 χ²/NDF:5.0/10
Left: -29.637+/-462.577 χ²/NDF: 26.6/22
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 175.555+/-389.717 χ²/NDF:21.8/26
Out: -486.603+/-317.157 χ²/NDF:35.2/29
All: -222.786+/-245.992 χ²/NDF: 58.8/56

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: 1952.848+/-0.463 χ^2/NDF:1027638.7/11

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1963.581+/-0.462 χ^2/NDF:919787.2/10

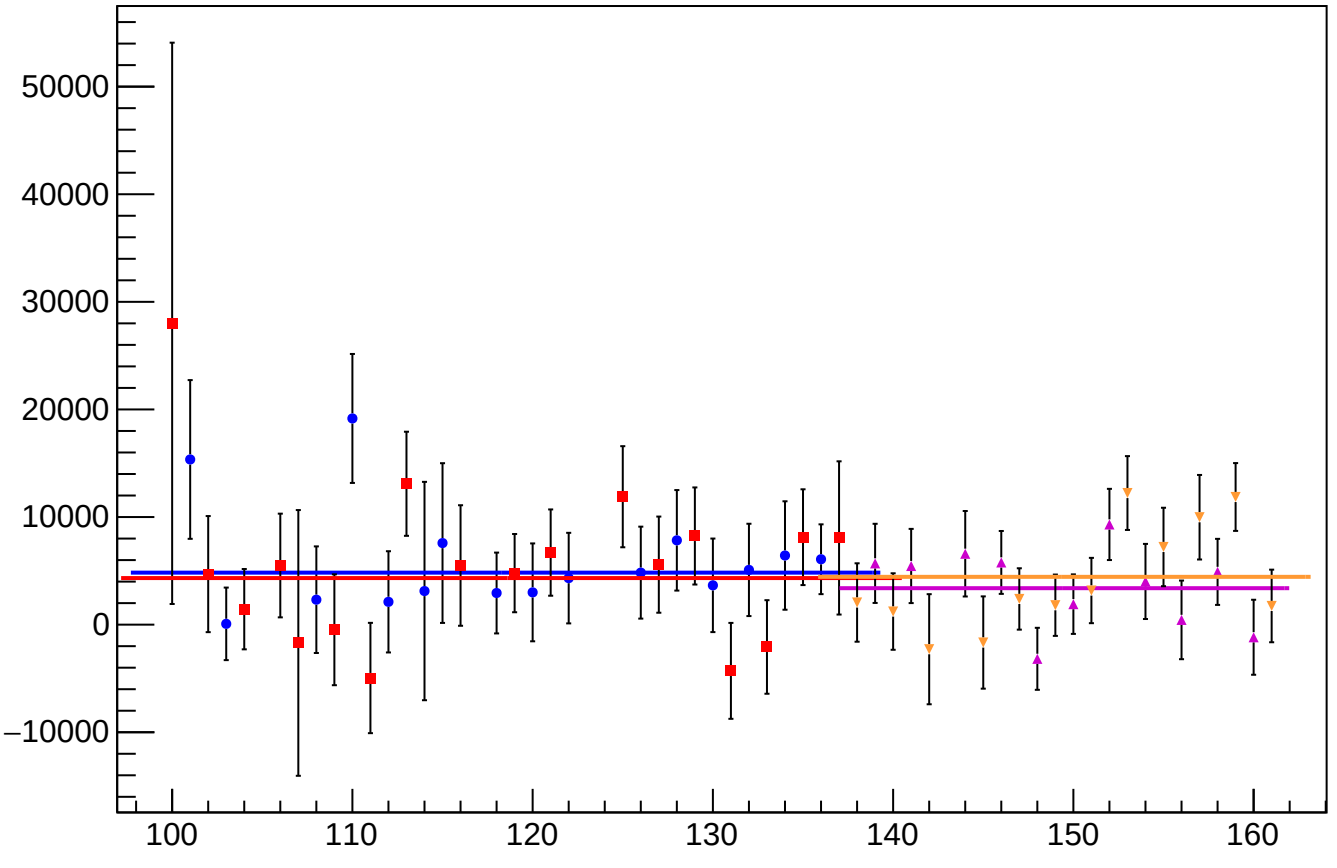
Left: 1958.219+/-0.327 χ^2/NDF: 1947695.0/22

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1412.002+/-0.276 χ^2/NDF:6873185.3/26

Out: 1037.400+/-0.224 χ^2/NDF:11744835.1/29

All: 1186.649+/-0.174 χ^2/NDF: 19729659.4/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4442.880+/-992.457 χ^2/NDF:20.5/11

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3388.526+/-986.979 χ^2/NDF:13.4/10

Left: 3912.785+/-699.828 χ^2/NDF: 34.4/22

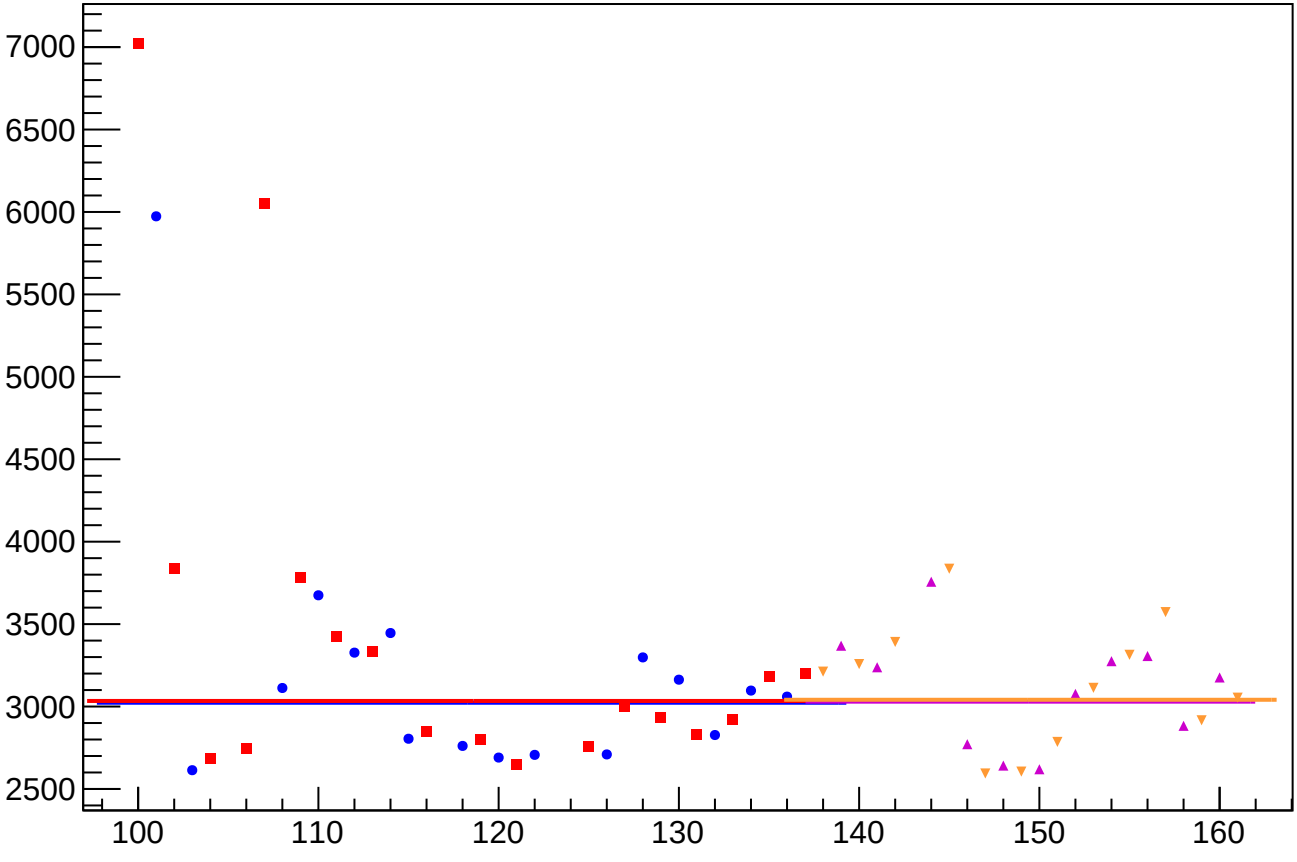
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4006.153+/-746.889 χ^2/NDF:26.0/26

Out: 4393.832+/-749.820 χ^2/NDF:40.4/29

All: 4199.233+/-529.164 χ^2/NDF: 66.5/56

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3041.049+/-0.702 χ^2/NDF:251891.9/11

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3029.593+/-0.698 χ^2/NDF:217094.1/10

Left: 3035.289+/-0.495 χ^2/NDF: 469119.9/22

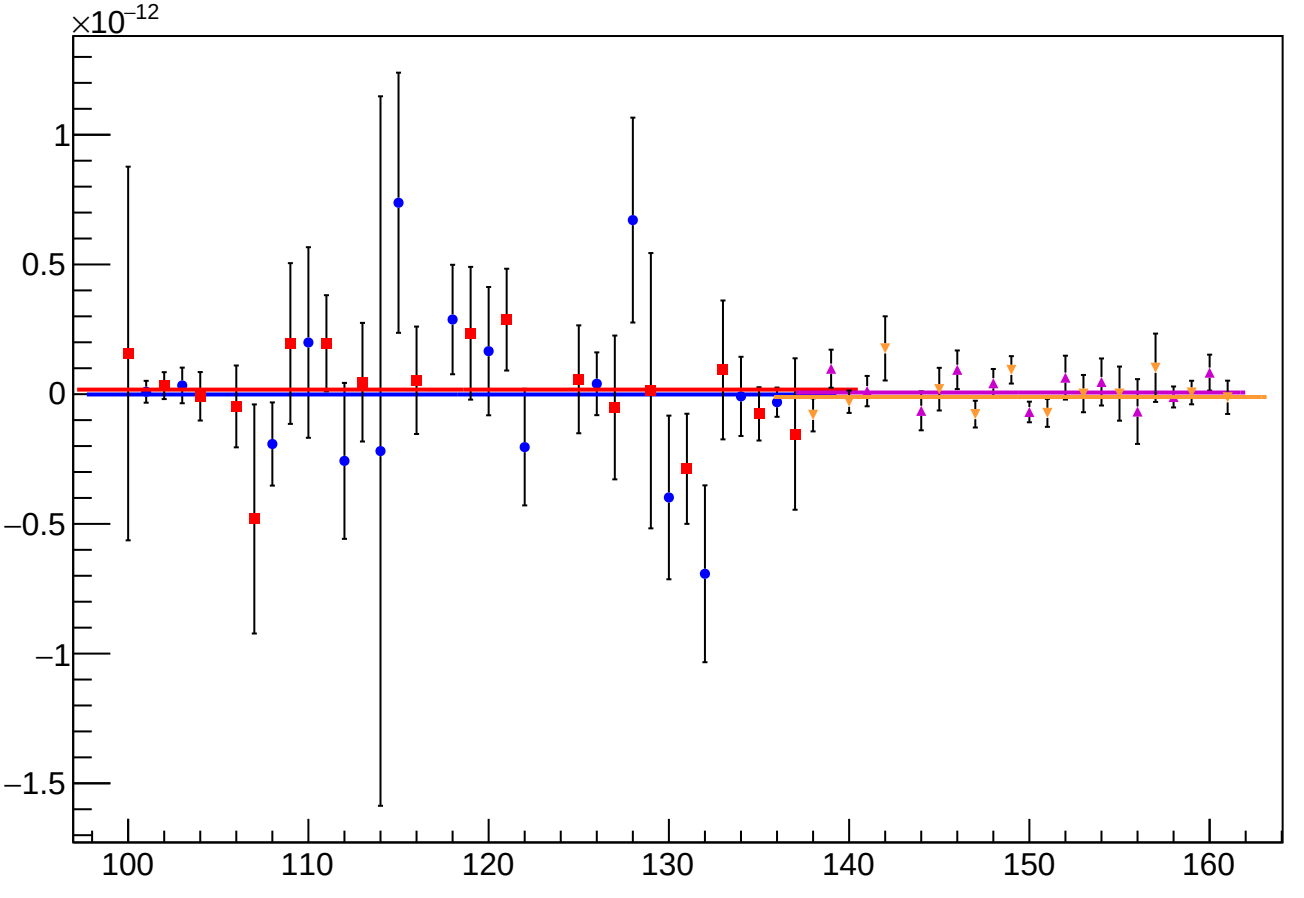
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3026.805+/-0.528 χ^2/NDF:660837.2/26

Out: 3037.967+/-0.530 χ^2/NDF:594611.5/29

All: 3032.364+/-0.374 χ^2/NDF: 1255671.2/56

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

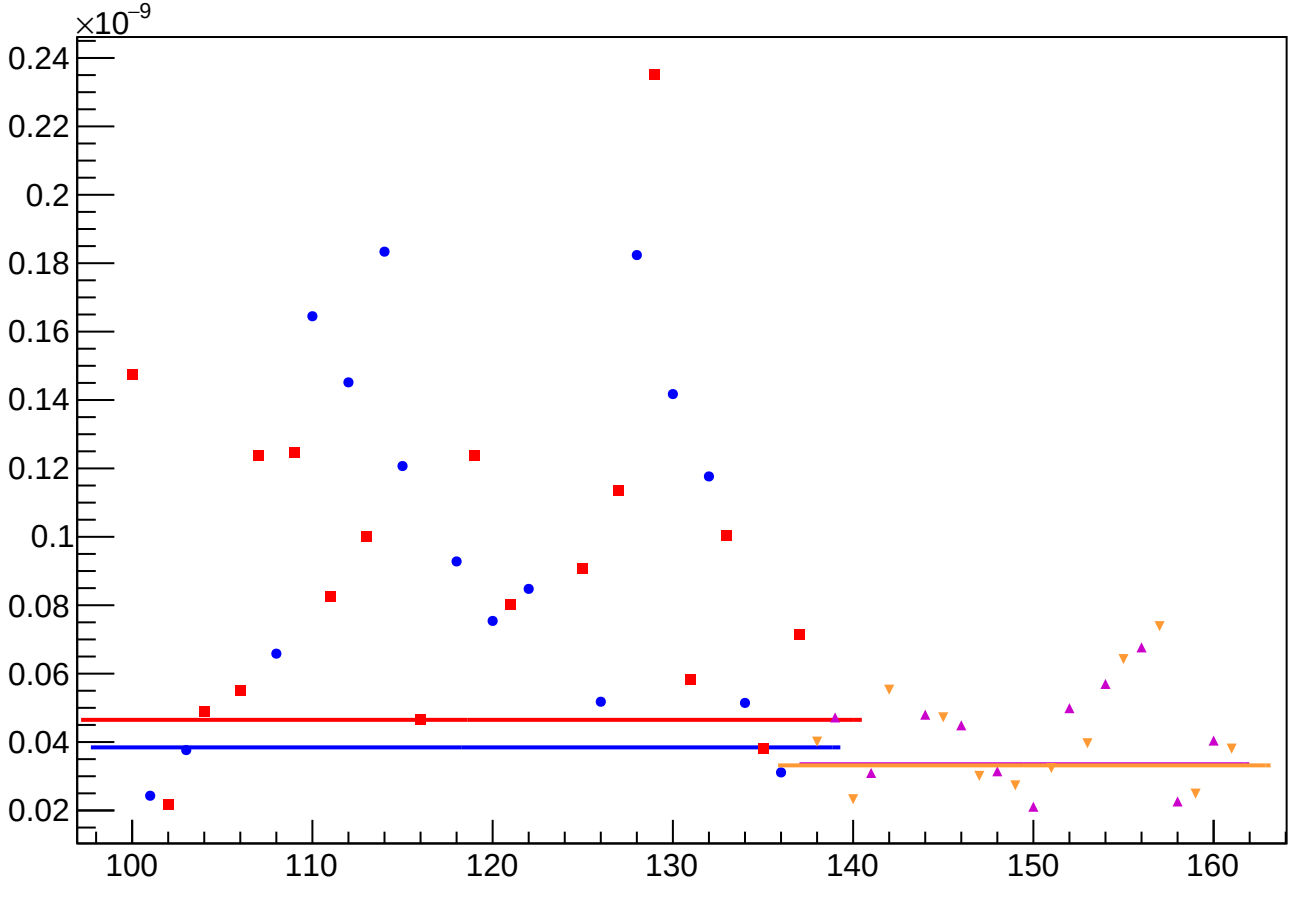
Left: -0.000+/-0.000 χ^2/NDF: 22.2/22

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:21.1/29

All: -0.000+/-0.000 χ^2/NDF: 48.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:745878.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:916289.8/10

Left: 0.000+/-0.000 χ^2/NDF: 1662504.7/22

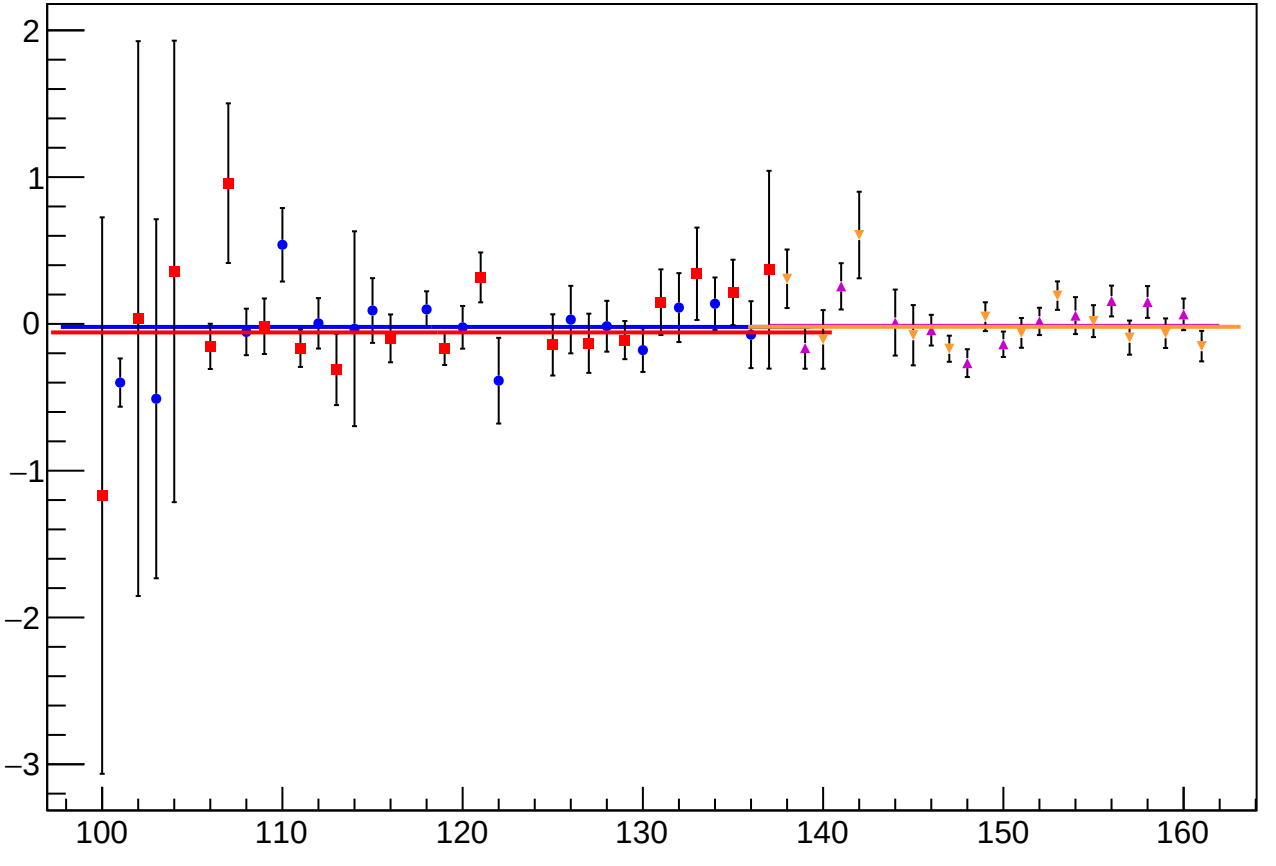
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2732606.7/26

Out: 0.000+/-0.000 χ^2/NDF:2677845.3/29

All: 0.000+/-0.000 χ^2/NDF: 5413989.2/56

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: -0.020+/-0.034 χ^2/NDF:18.0/11

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.016+/-0.024 χ^2/NDF: 37.3/22

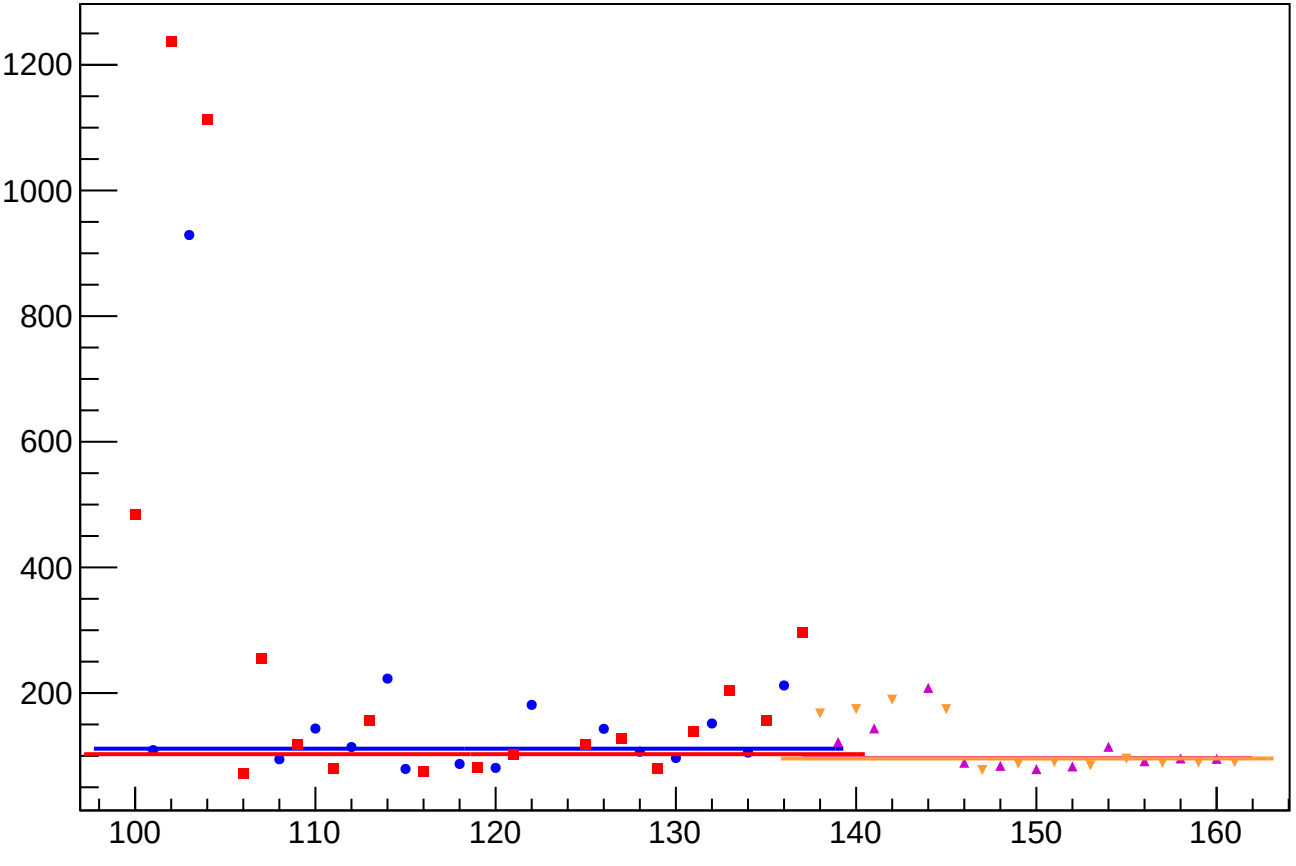
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.033+/-0.027 χ^2/NDF:35.3/29

All: -0.024+/-0.019 χ^2/NDF: 70.4/56

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: 95.891+/-0.024 χ^2/NDF:1216285.2/11

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.523+/-0.024 χ^2/NDF:950263.0/10

Left: 96.211+/-0.017 χ^2/NDF: 2166898.7/22

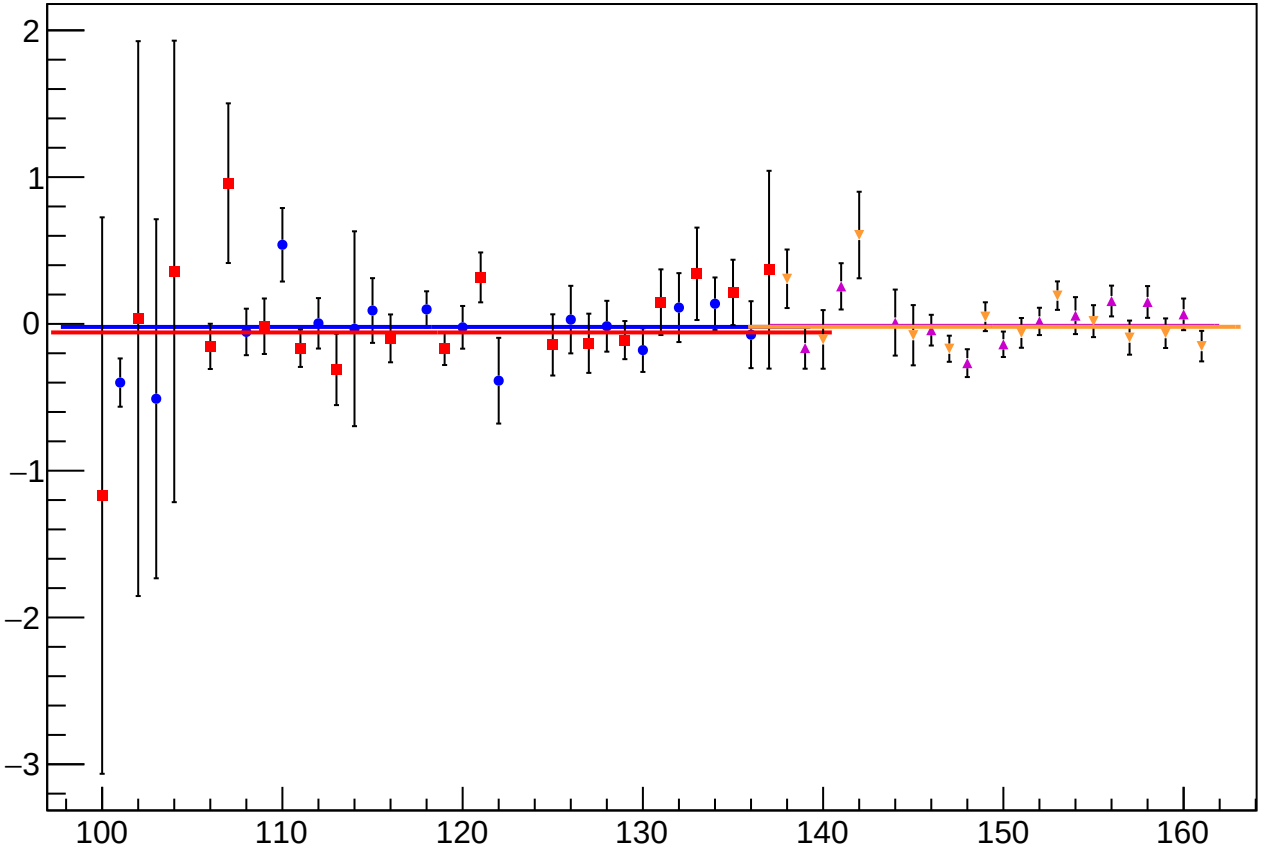
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.466+/-0.019 χ^2/NDF:2920068.1/26

Out: 98.254+/-0.019 χ^2/NDF:4070969.5/29

All: 99.857+/-0.014 χ^2/NDF: 7004755.5/56

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: -0.020+/-0.034 χ^2/NDF:18.0/11

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.016+/-0.024 χ^2/NDF: 37.3/22

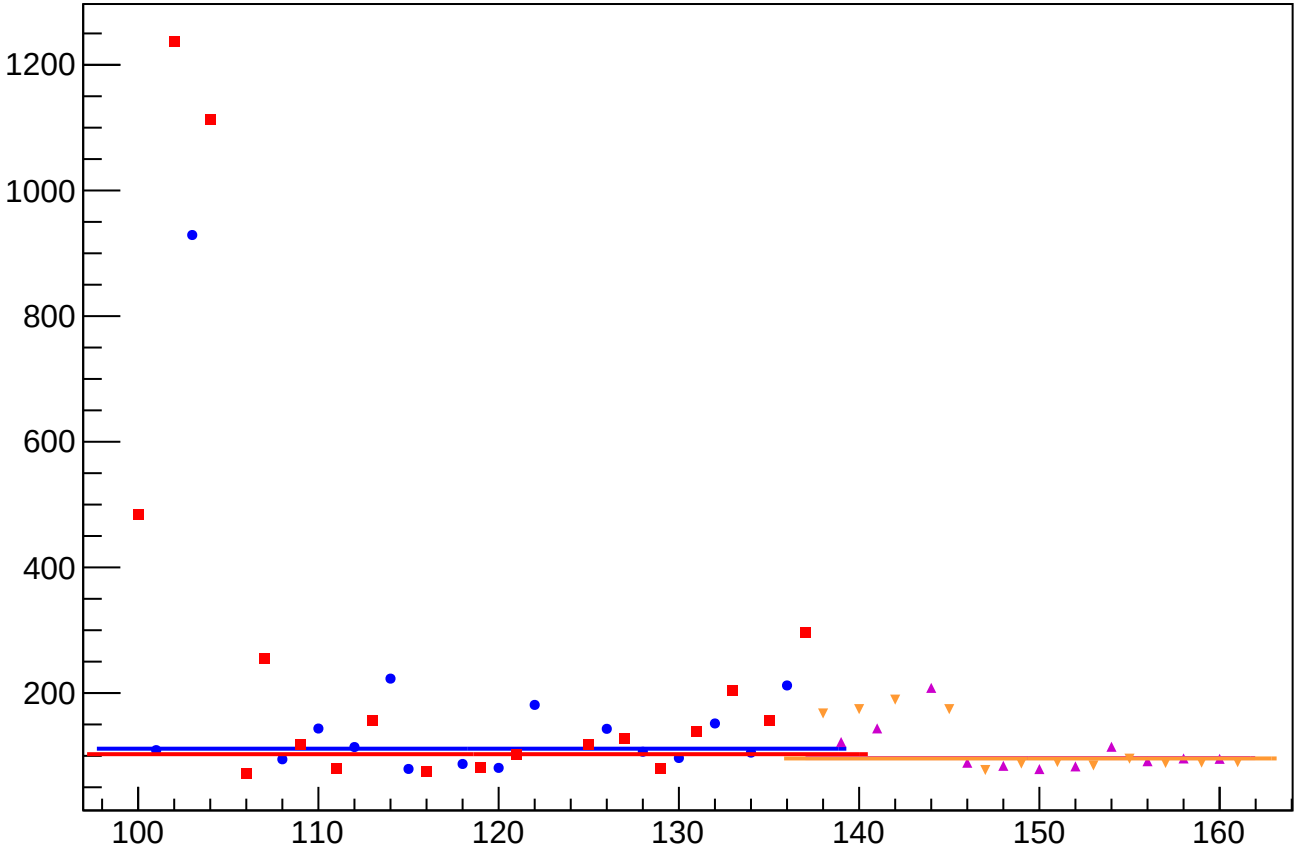
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.033+/-0.027 χ^2/NDF:35.3/29

All: -0.024+/-0.019 χ^2/NDF: 70.4/56

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: 95.891+/-0.024 χ^2/NDF:1216285.2/11

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.523+/-0.024 χ^2/NDF:950263.0/10

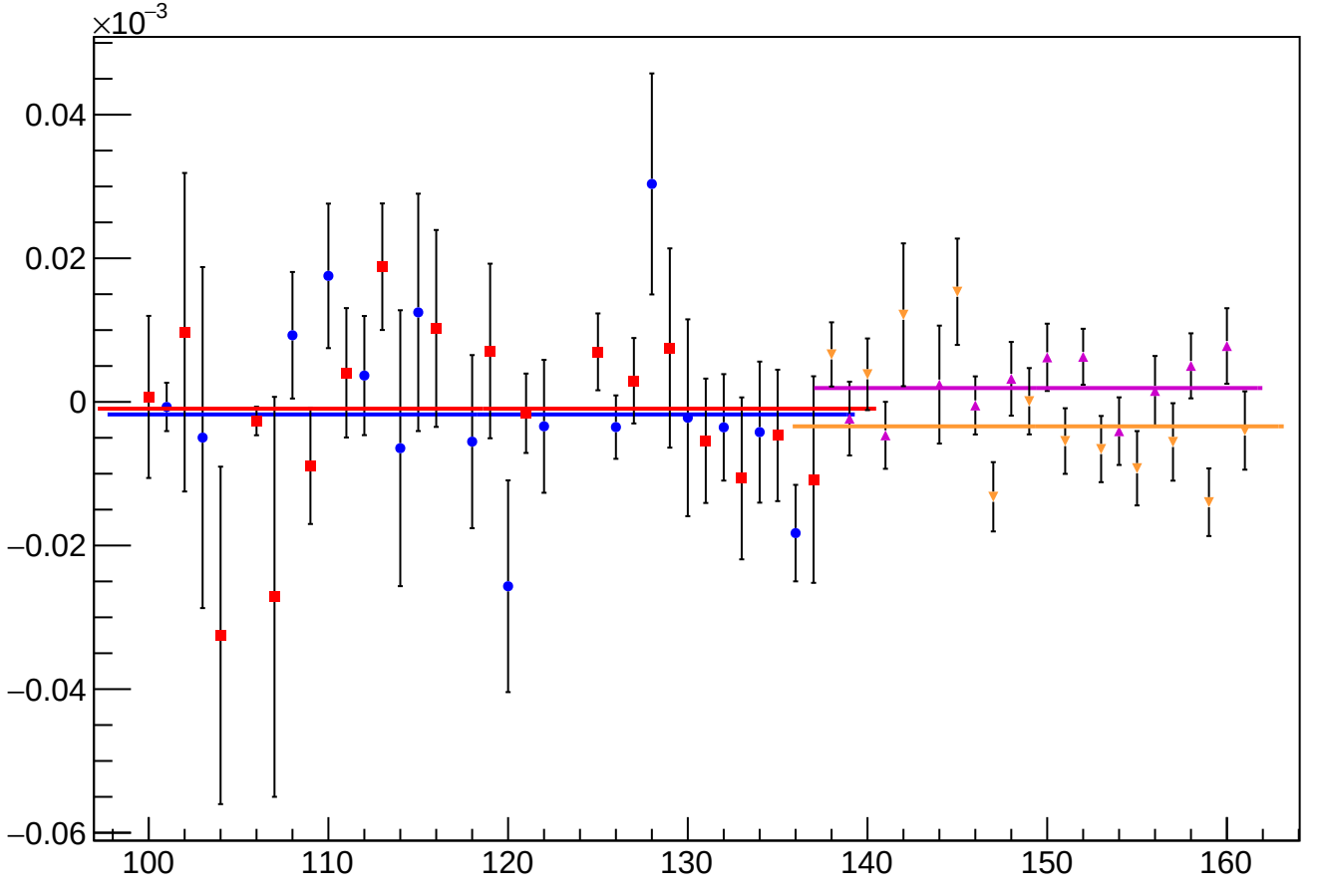
Left: 96.211+/-0.017 χ^2/NDF: 2166898.7/22

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.466+/-0.019 χ^2/NDF:2920068.1/26

Out: 98.254+/-0.019 χ^2/NDF:4070969.5/29

All: 99.857+/-0.014 χ^2/NDF: 7004755.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

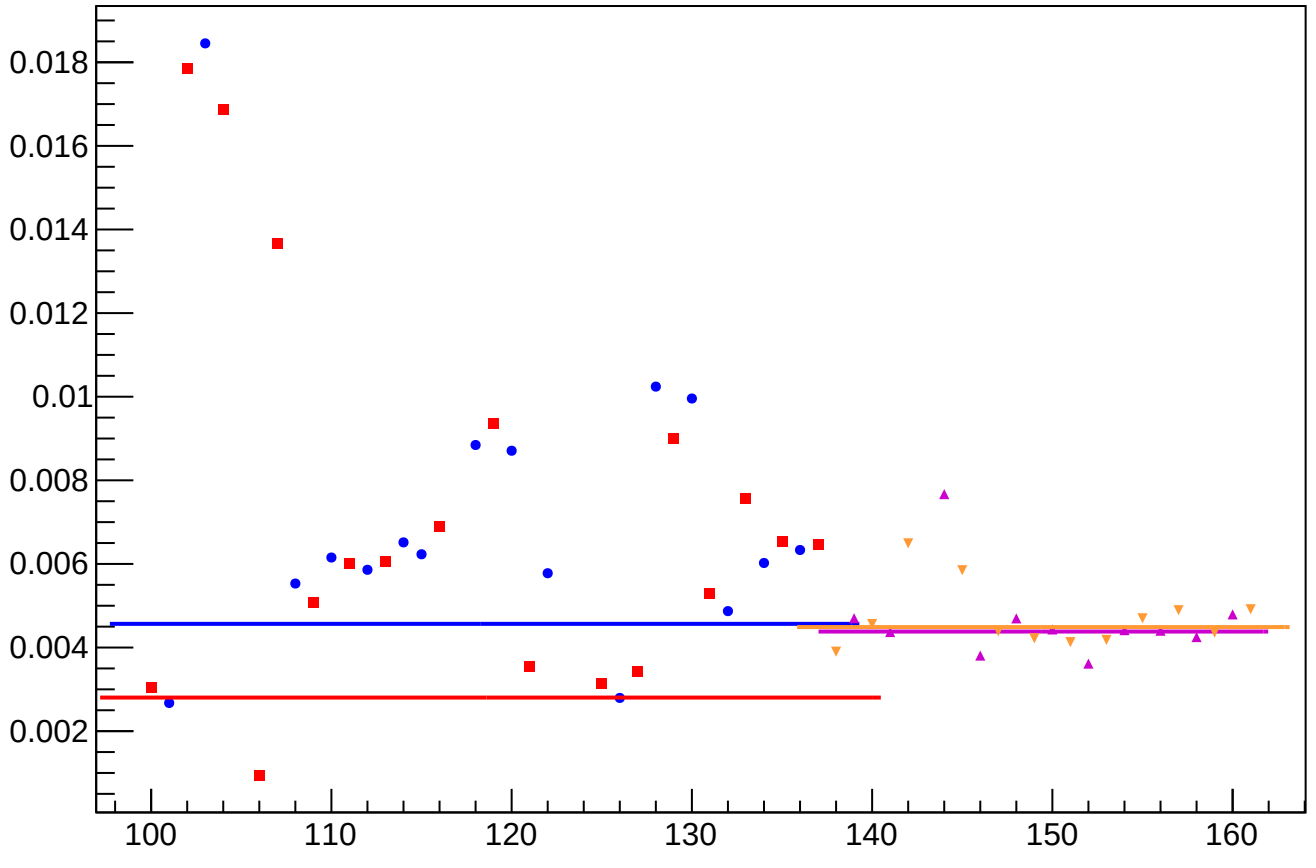
Left: -0.000+/-0.000 χ^2/NDF: 43.0/22

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:30.9/26

Out: -0.000+/-0.000 χ^2/NDF:45.0/29

All: -0.000+/-0.000 χ^2/NDF: 79.0/56



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:240950.7/11

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:467603.5/10

Left: 0.004+/-0.000 χ^2/NDF: 713919.9/22

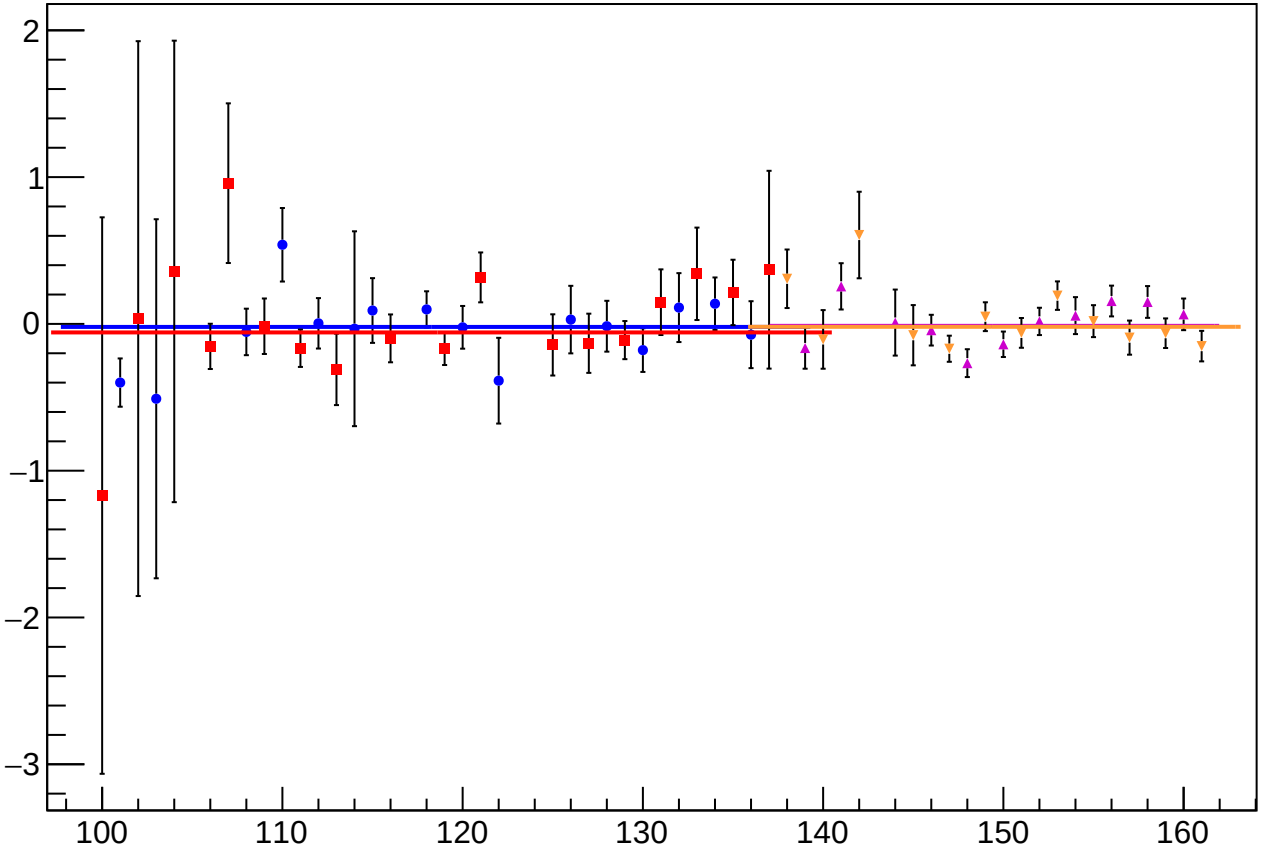
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3491576.5/26

Out: 0.004+/-0.000 χ^2/NDF:8146641.9/29

All: 0.004+/-0.000 χ^2/NDF: 12172248.6/56

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: -0.020+/-0.034 χ^2/NDF:18.0/11

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.016+/-0.024 χ^2/NDF: 37.3/22

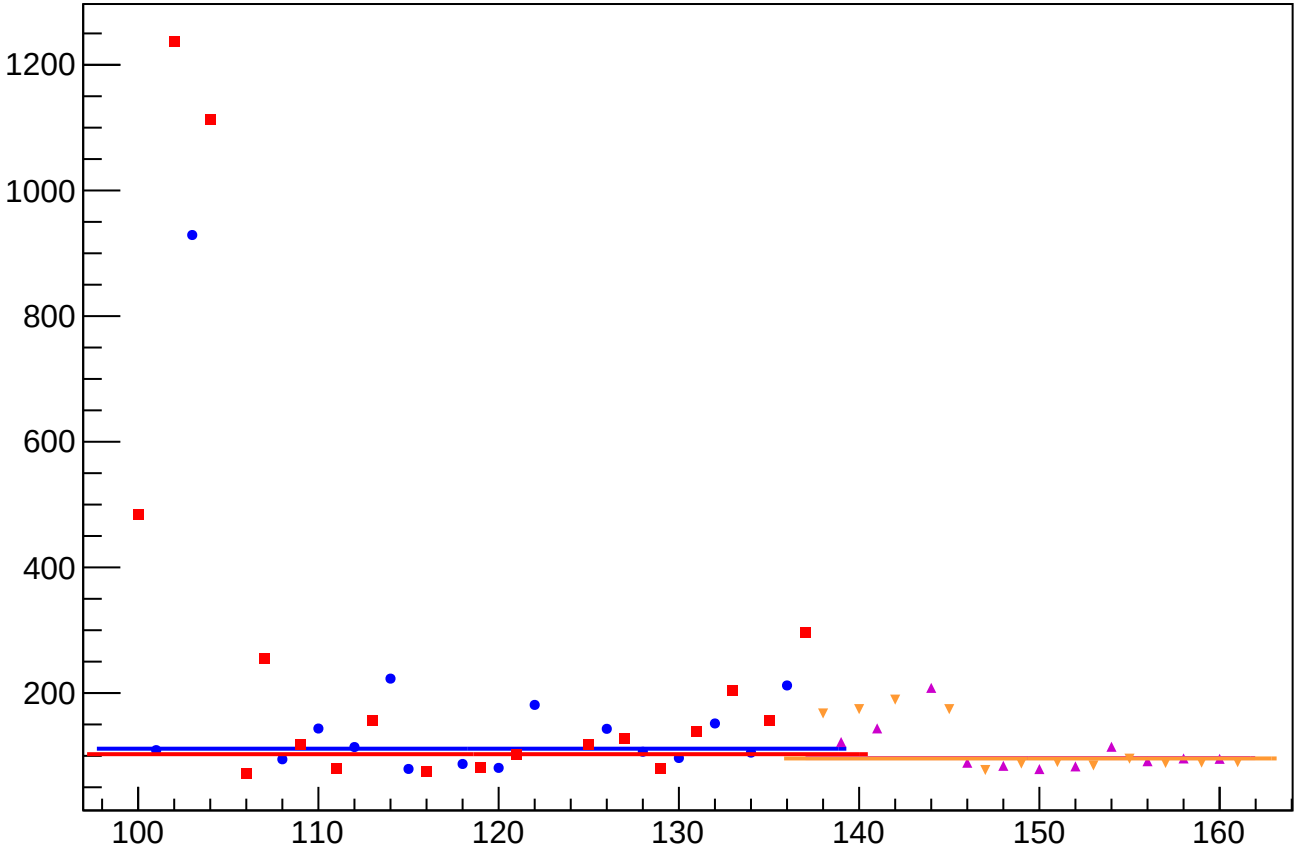
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.033+/-0.027 χ^2/NDF:35.3/29

All: -0.024+/-0.019 χ^2/NDF: 70.4/56

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: 95.892+/-0.024 χ^2/NDF:1216264.0/11

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.524+/-0.024 χ^2/NDF:950250.1/10

Left: 96.211+/-0.017 χ^2/NDF: 2166864.5/22

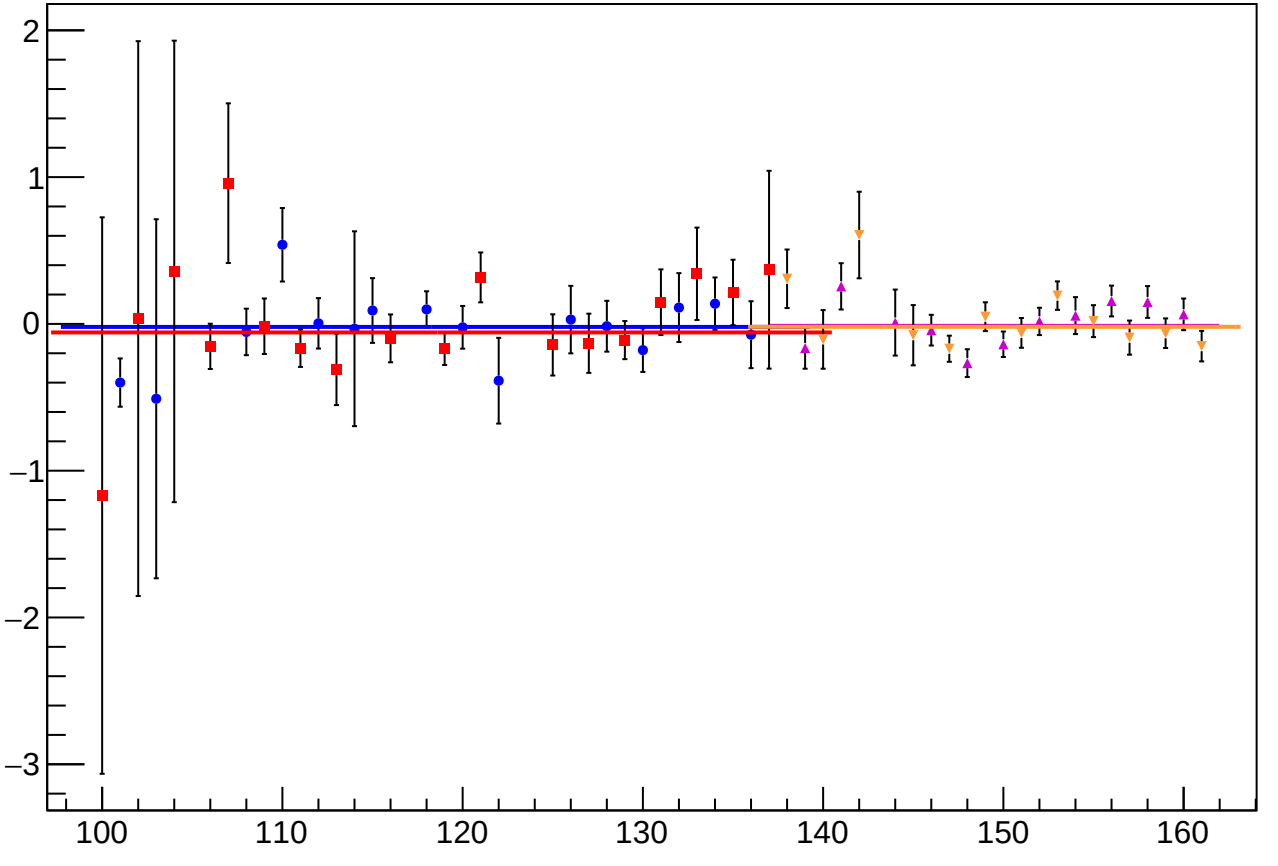
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.465+/-0.019 χ^2/NDF:2920049.7/26

Out: 98.254+/-0.019 χ^2/NDF:4070928.4/29

All: 99.856+/-0.014 χ^2/NDF: 7004694.3/56

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: -0.020+/-0.034 χ^2/NDF:18.0/11

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.013+/-0.034 χ^2/NDF:19.2/10

Left: -0.016+/-0.024 χ^2/NDF: 37.3/22

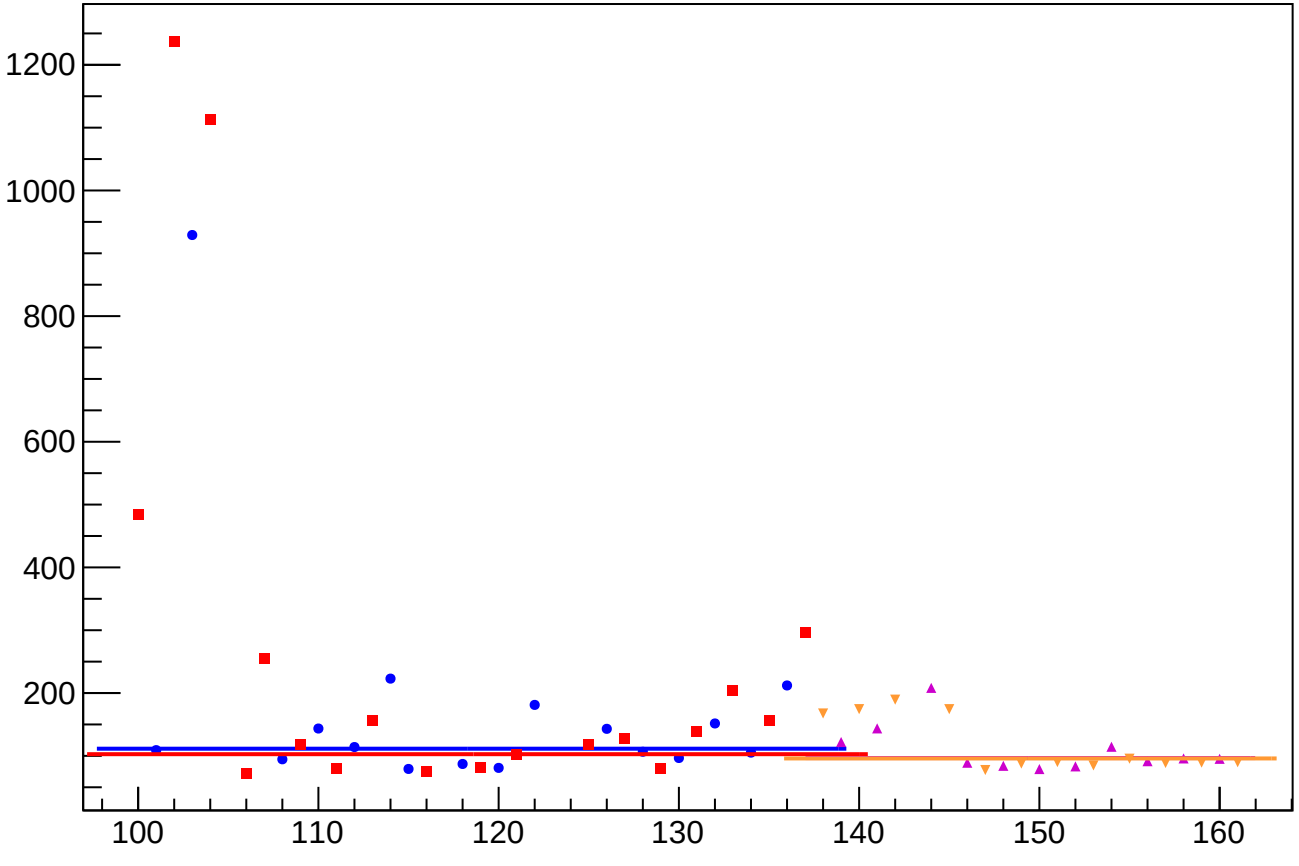
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.016+/-0.027 χ^2/NDF:34.9/26

Out: -0.033+/-0.027 χ^2/NDF:35.3/29

All: -0.024+/-0.019 χ^2/NDF: 70.4/56

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: 95.892+/-0.024 χ^2/NDF:1216264.0/11

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.524+/-0.024 χ^2/NDF:950250.1/10

Left: 96.211+/-0.017 χ^2/NDF: 2166864.5/22

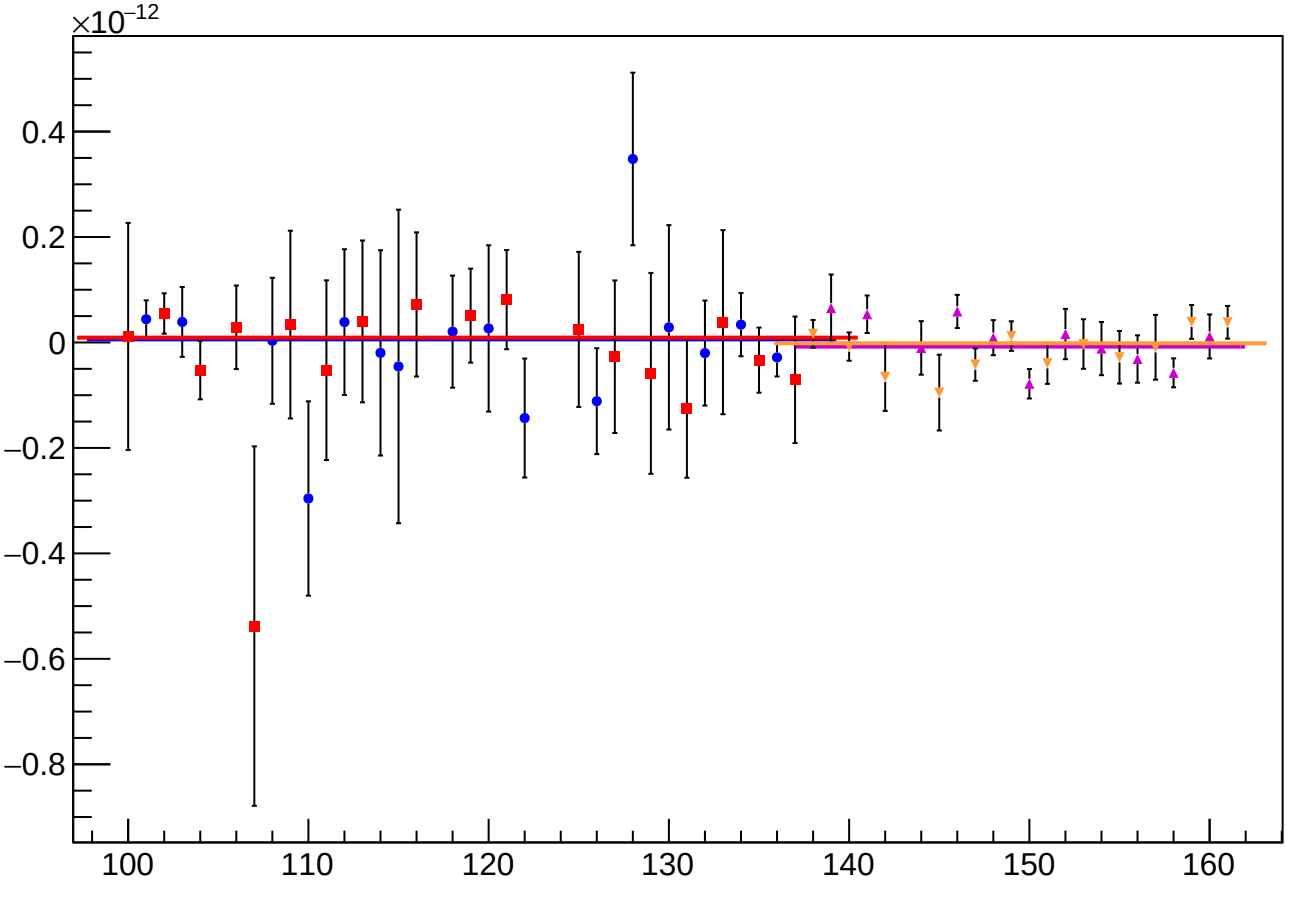
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.465+/-0.019 χ^2/NDF:2920049.7/26

Out: 98.254+/-0.019 χ^2/NDF:4070928.4/29

All: 99.856+/-0.014 χ^2/NDF: 7004694.3/56

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:19.4/10

Left: -0.000+/-0.000 χ^2/NDF: 29.3/22

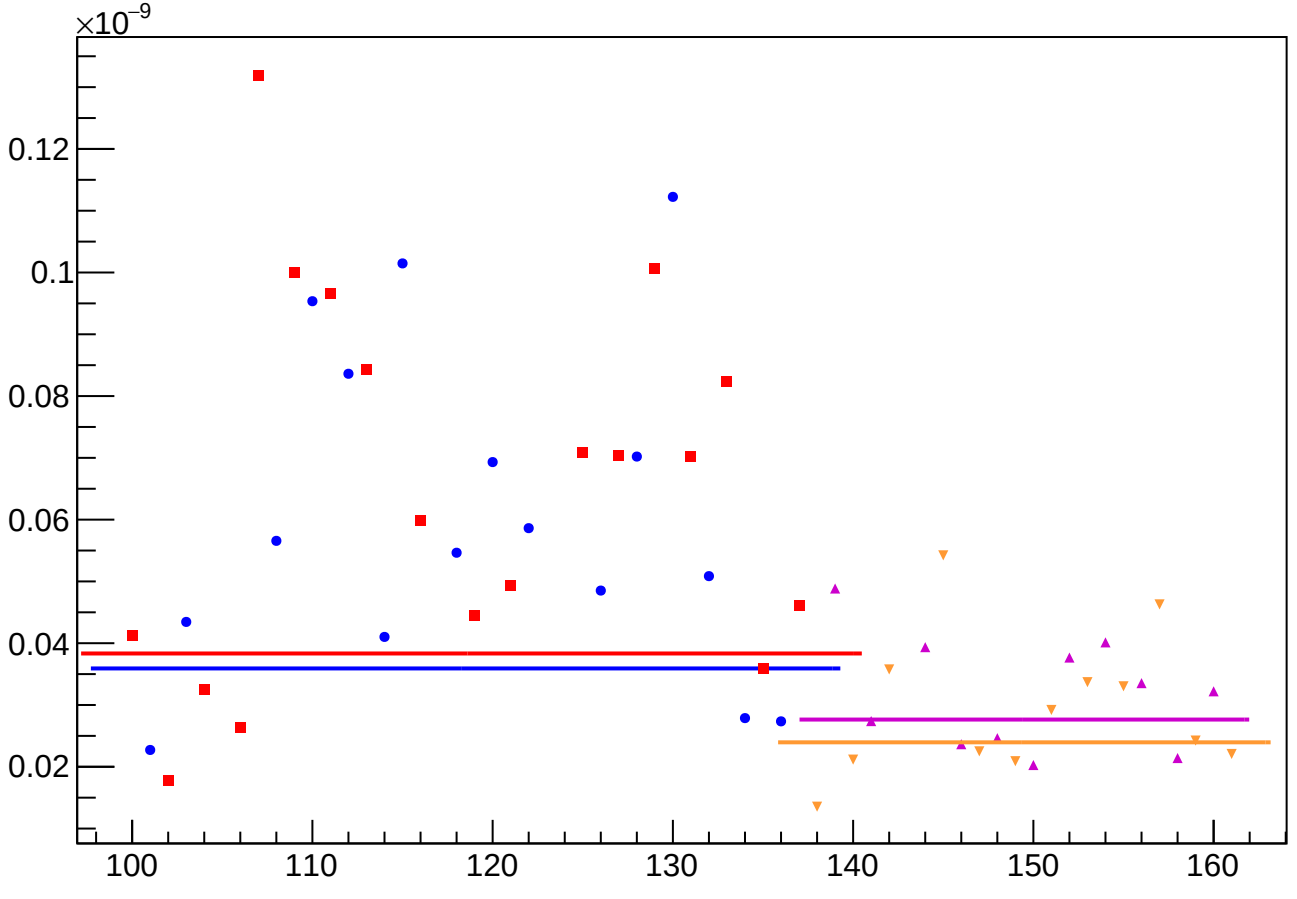
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:32.7/26

Out: 0.000+/-0.000 χ^2/NDF:18.5/29

All: -0.000+/-0.000 χ^2/NDF: 51.4/56

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1246226.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:888259.4/10

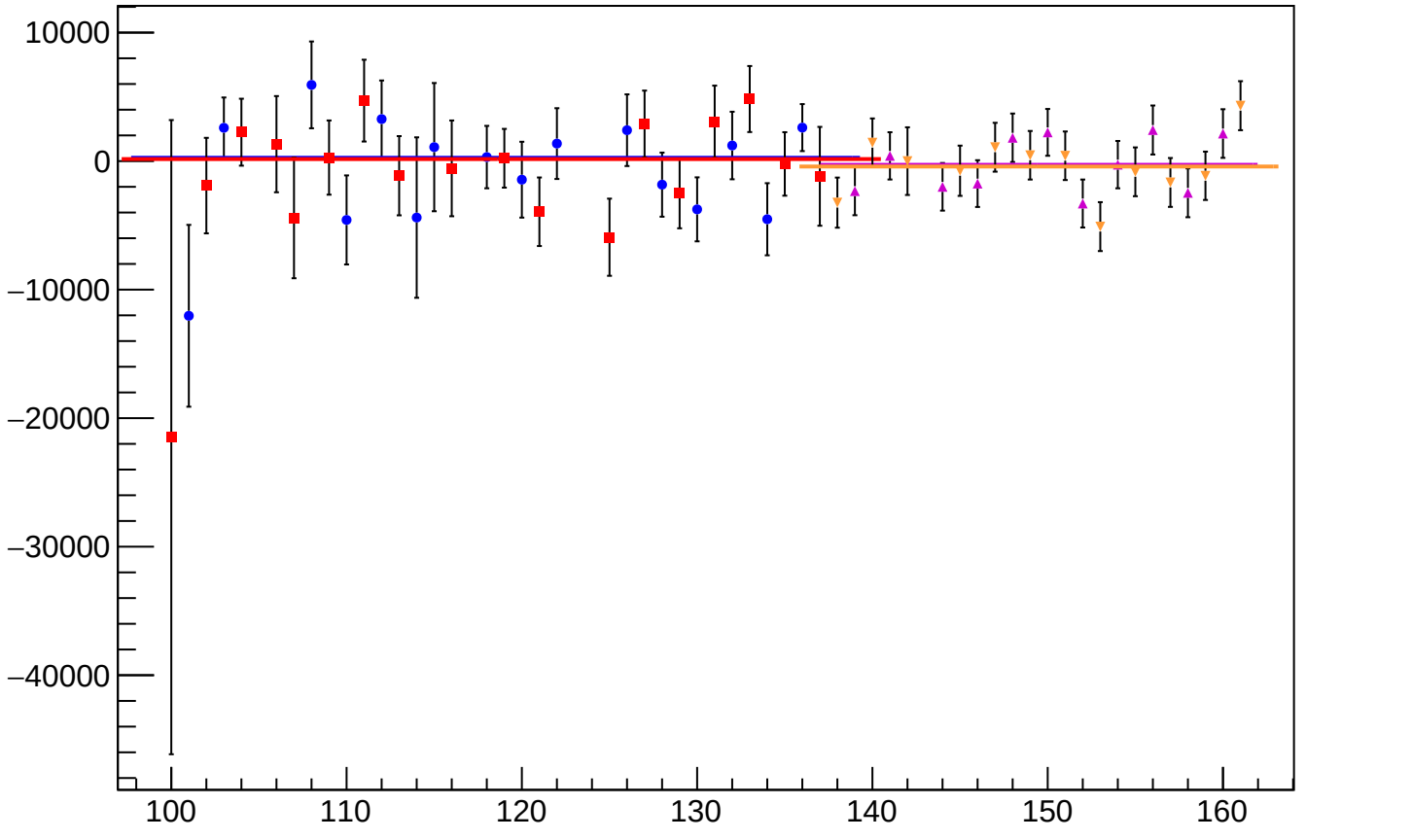
Left: 0.000+/-0.000 χ^2/NDF: 2250629.5/22

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2923608.8/26

Out: 0.000+/-0.000 χ^2/NDF:4169781.3/29

All: 0.000+/-0.000 χ^2/NDF: 7202459.9/56



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.996+/-561.176 χ^2/NDF:16.9/11

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -288.676+/-561.717 χ^2/NDF:13.6/10

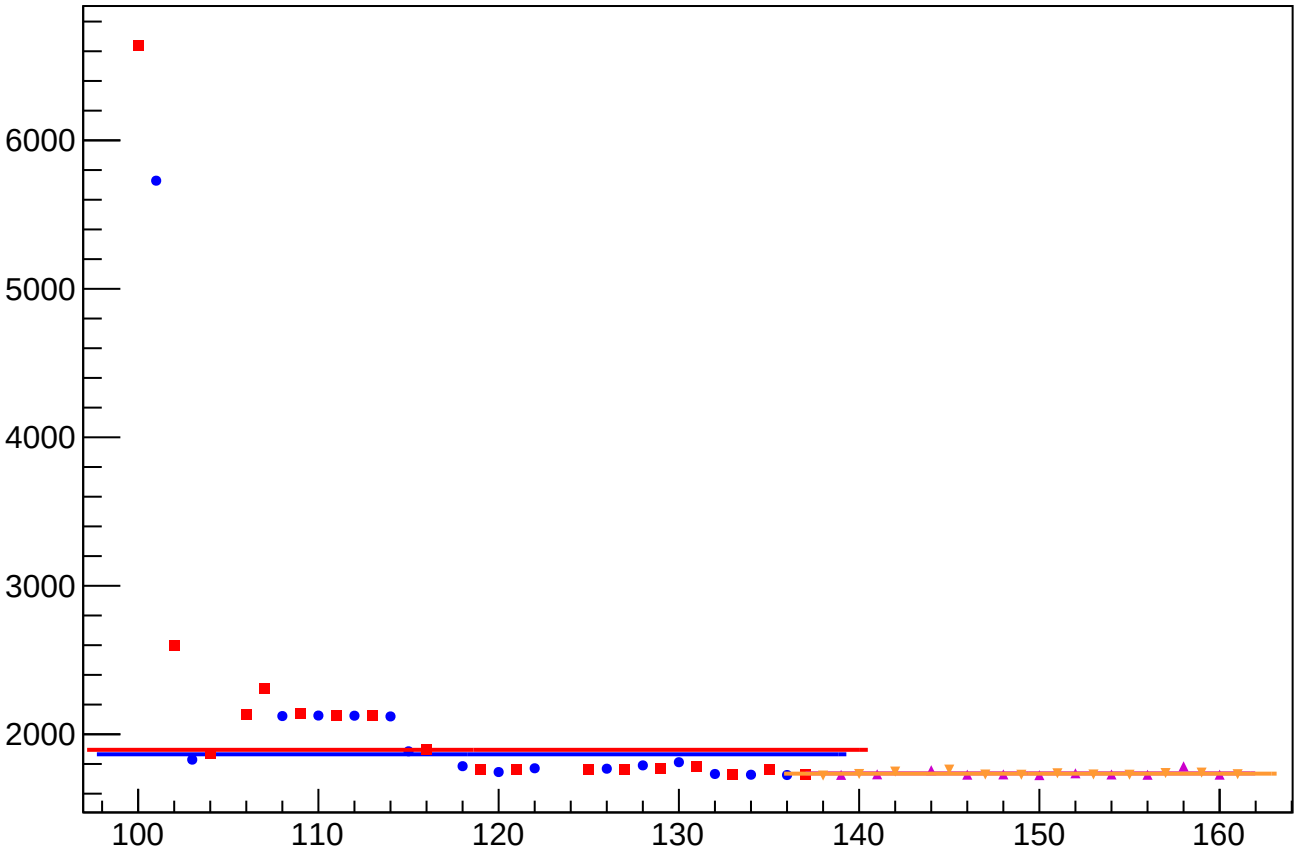
Left: -354.900+/-397.003 χ^2/NDF: 30.6/22

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -77.538+/-440.451 χ^2/NDF:33.4/26

Out: -198.750+/-440.812 χ^2/NDF:35.4/29

All: -138.094+/-311.573 χ^2/NDF: 68.9/56



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.825+/-0.397 χ^2/NDF:676.0/11

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

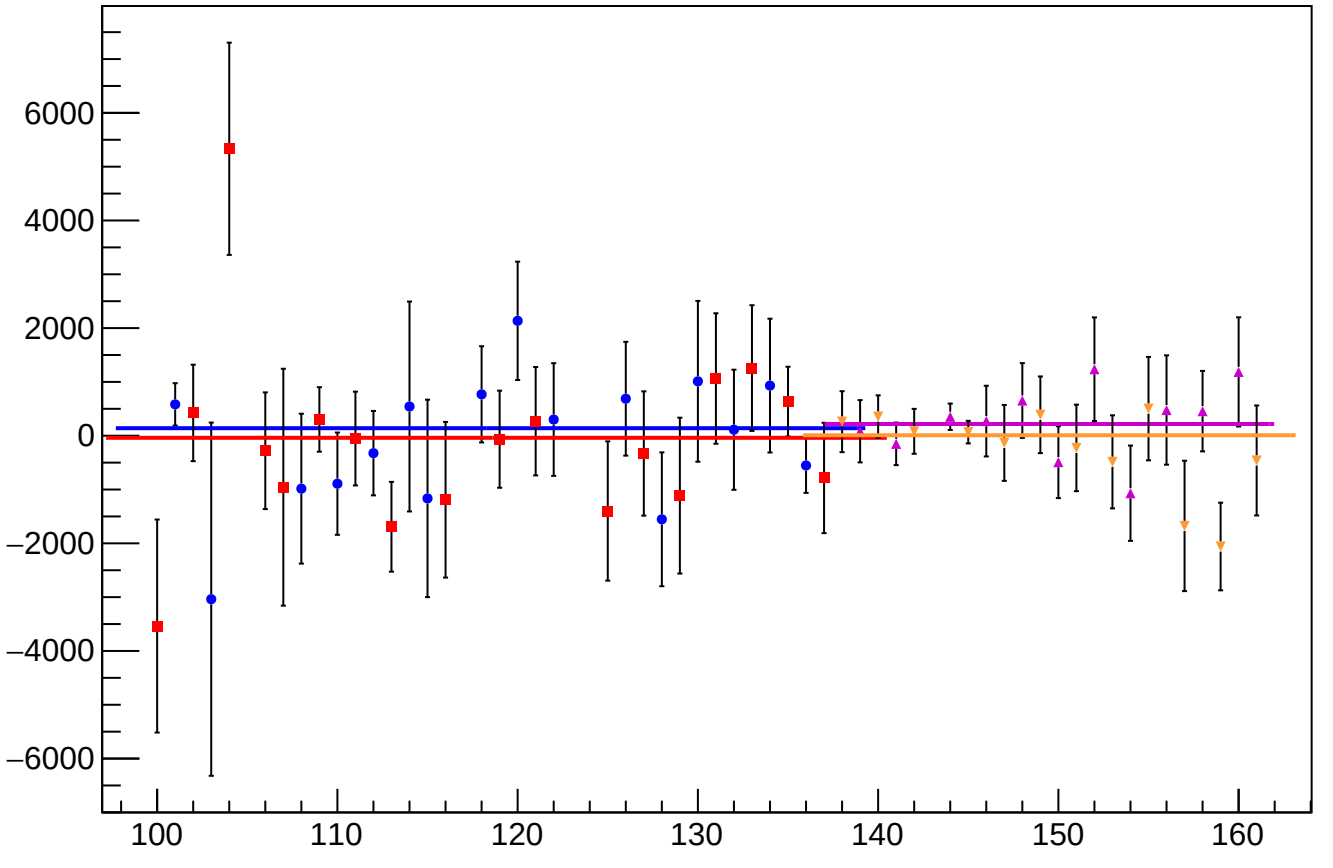
Left: 1735.758+/-0.281 χ^2/NDF: 2547.6/22

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1786.177+/-0.311 χ^2/NDF:714884.8/26

Out: 1796.263+/-0.312 χ^2/NDF:314076.7/29

All: 1791.216+/-0.220 χ^2/NDF: 1029485.5/56



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 8.476+/-142.802 χ^2/NDF:10.7/11

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 217.874+/-160.635 χ^2/NDF:7.1/10

Left: 100.911+/-106.727 χ^2/NDF: 18.7/22

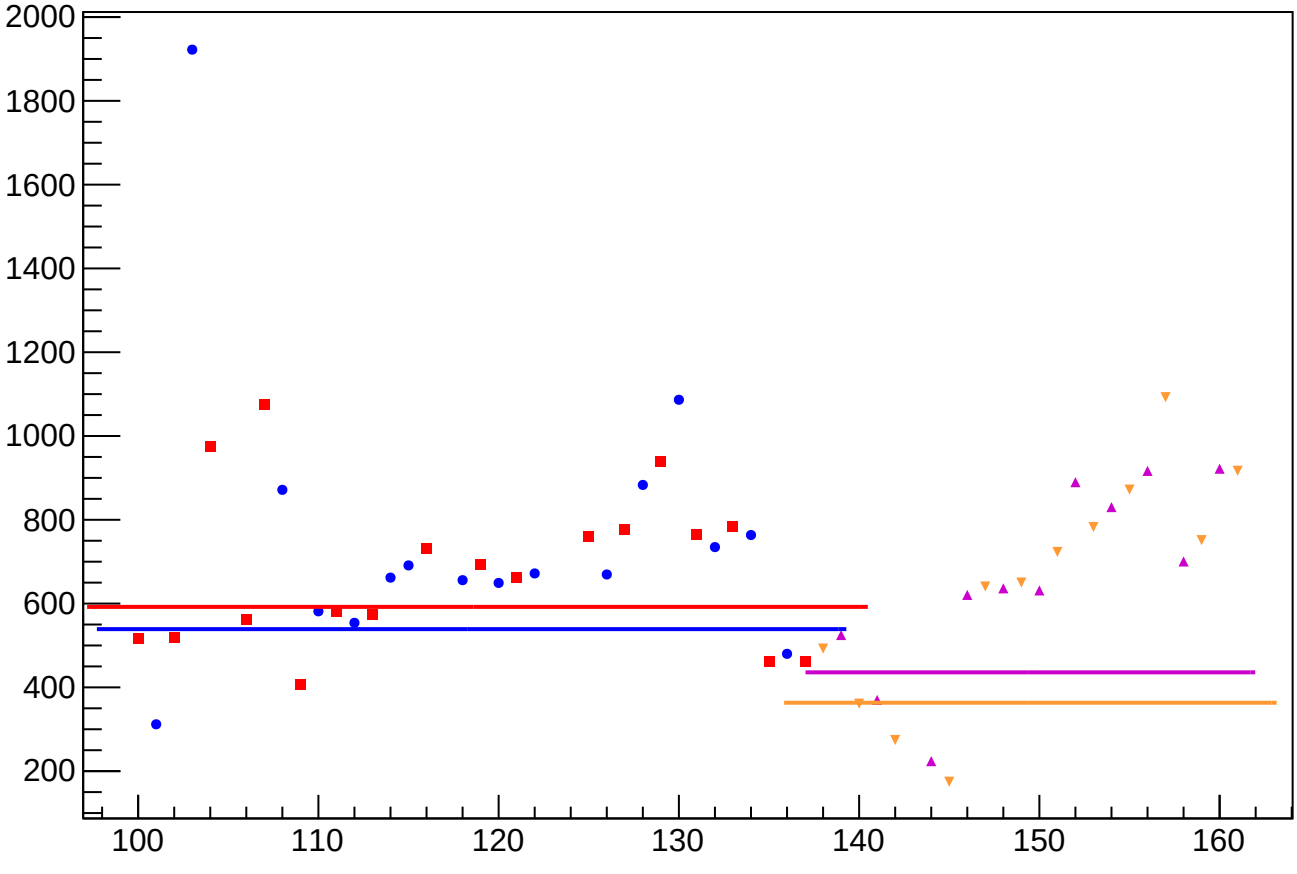
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 190.740+/-129.754 χ^2/NDF:20.6/26

Out: -3.974+/-122.486 χ^2/NDF:32.1/29

All: 87.777+/-89.069 χ^2/NDF: 53.9/56

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: 363.356+/-0.101 χ^2/NDF:5640597.7/11

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 435.878+/-0.114 χ^2/NDF:4094374.9/10

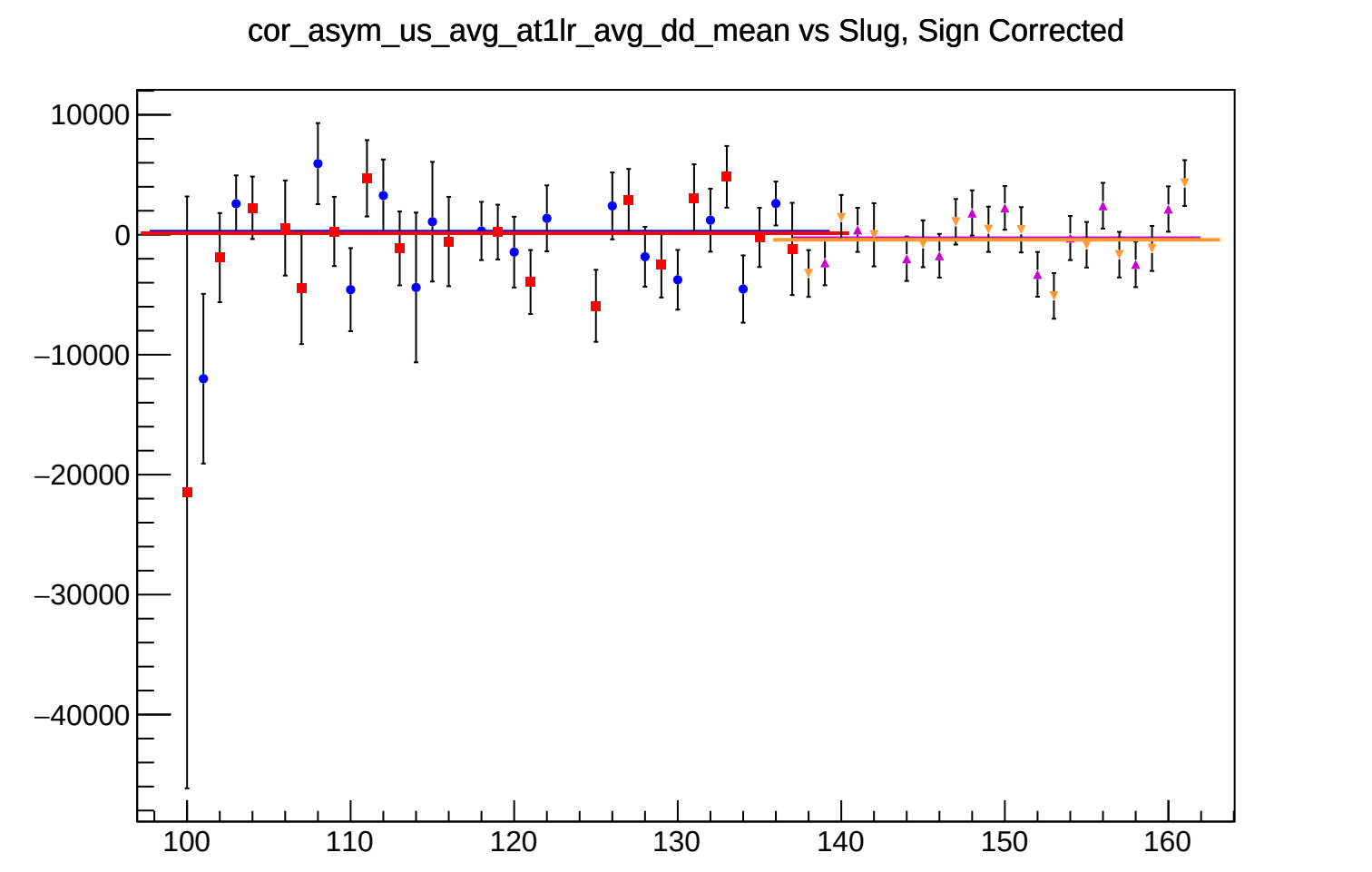
Left: 395.370+/-0.075 χ^2/NDF: 9962672.7/22

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 471.722+/-0.092 χ^2/NDF:6235490.5/26

Out: 423.813+/-0.087 χ^2/NDF:7839967.4/29

All: 446.388+/-0.063 χ^2/NDF: 14219640.2/56



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.983+/-561.176 χ^2/NDF:16.9/11

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -288.719+/-561.717 χ^2/NDF:13.6/10

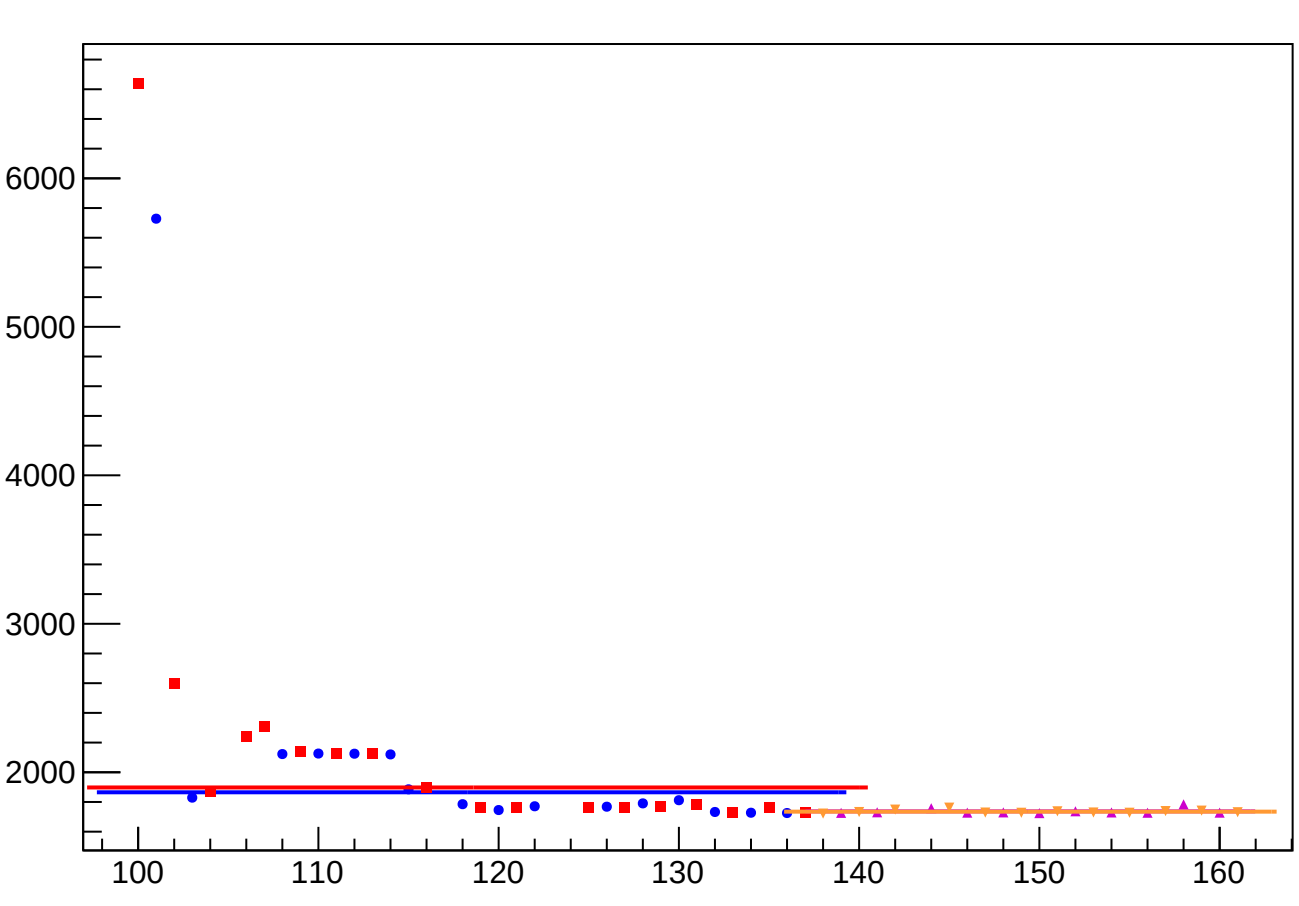
Left: -354.915+/-397.003 χ^2/NDF: 30.6/22

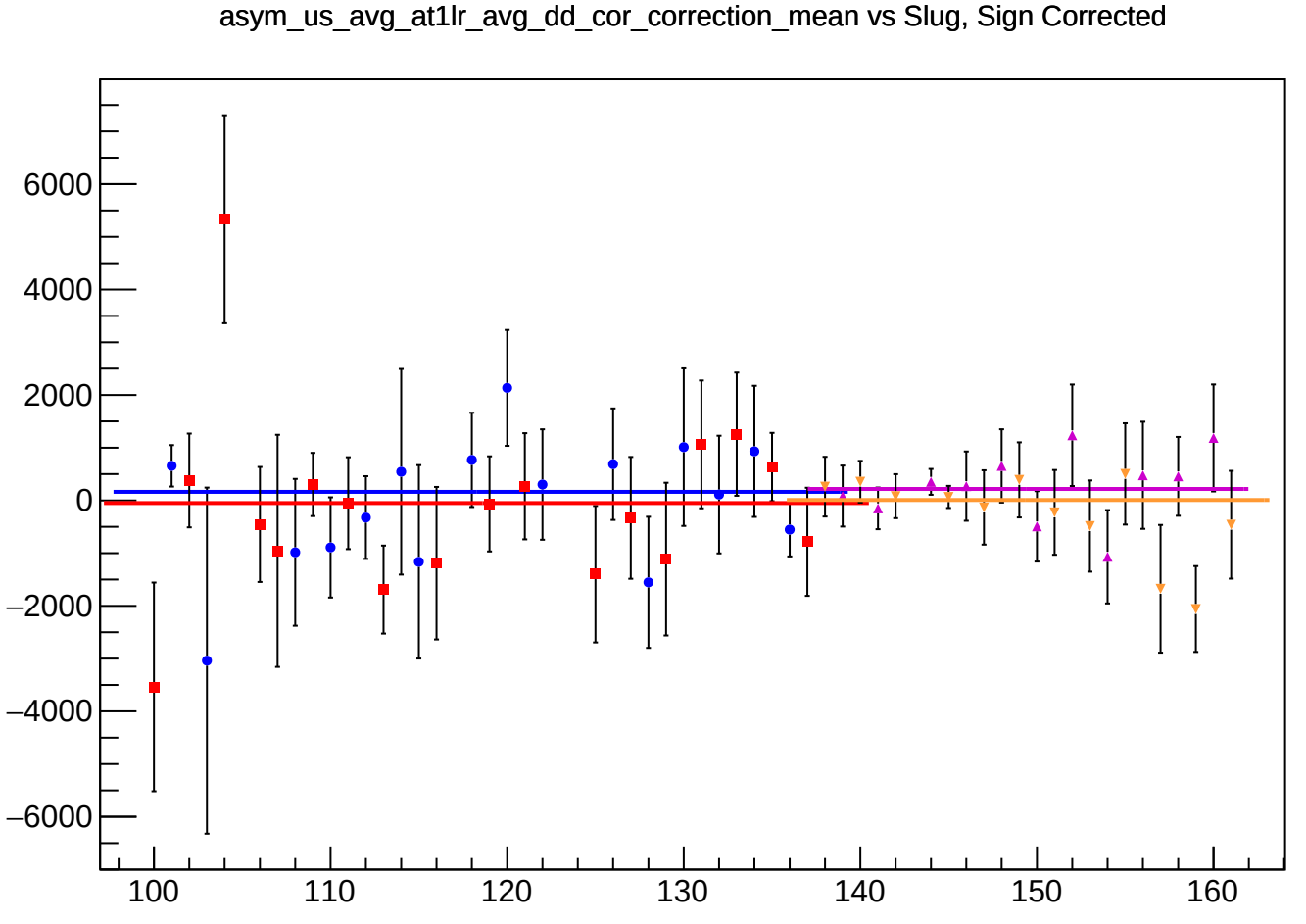
Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -77.492+/-440.451 χ^2/NDF:33.4/26

Out: -210.470+/-441.145 χ^2/NDF:35.3/29

All: -143.876+/-311.691 χ^2/NDF: 68.7/56


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.826+/-0.397 χ²/NDF:676.0/11
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1736.692+/-0.397 χ²/NDF:1860.6/10
Left: 1735.758+/-0.281 χ²/NDF: 2547.6/22
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1786.177+/-0.311 χ²/NDF:714884.6/26
Out: 1797.049+/-0.312 χ²/NDF:322774.8/29
All: 1791.605+/-0.220 χ²/NDF: 1038267.8/56



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 8.323+/-142.805 χ^2/NDF:10.7/11

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 217.873+/-160.636 χ^2/NDF:7.1/10

Left: 100.827+/-106.728 χ^2/NDF: 18.7/22

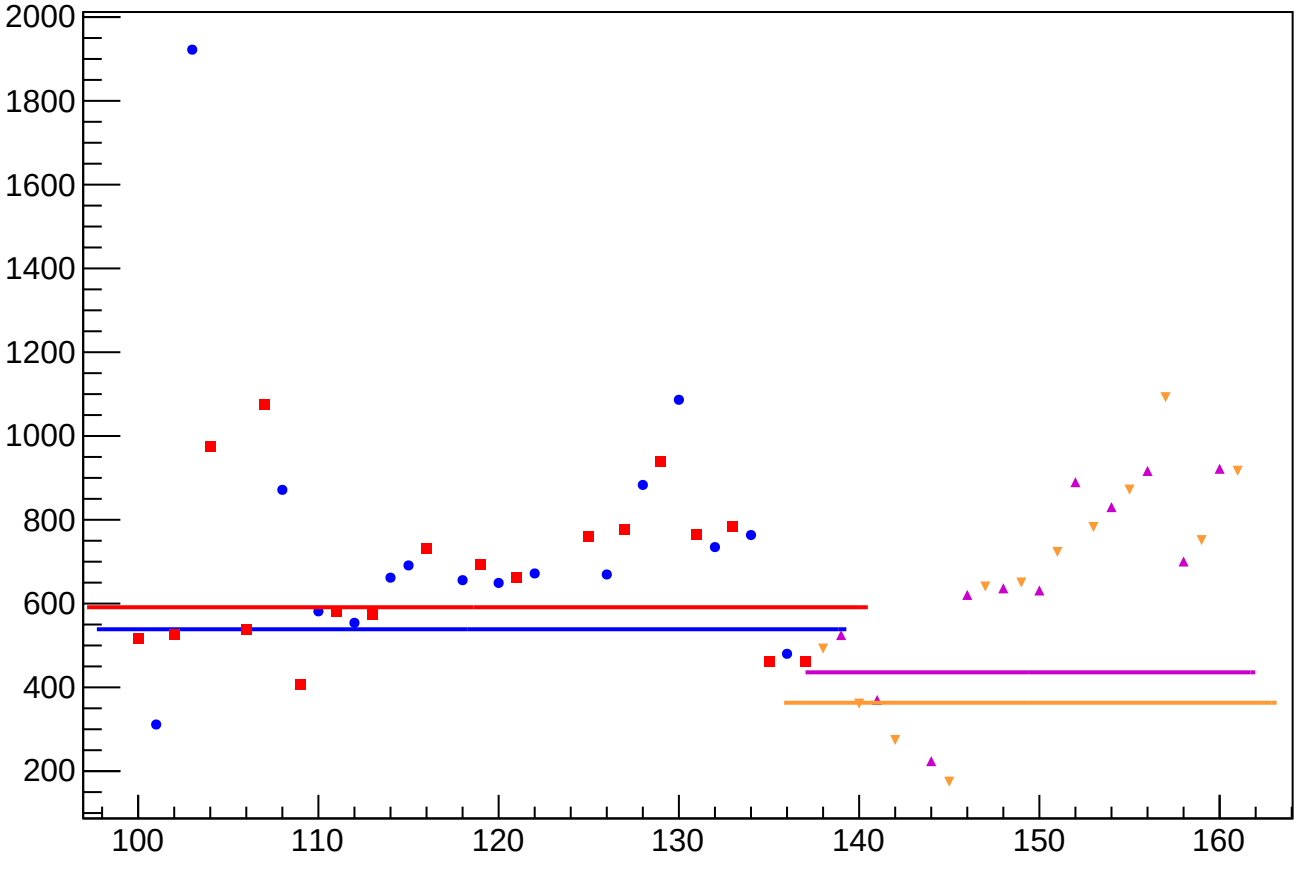
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 198.846+/-129.739 χ^2/NDF:21.0/26

Out: -6.996+/-122.480 χ^2/NDF:32.1/29

All: 90.006+/-89.062 χ^2/NDF: 54.5/56

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: 363.365+/-0.101 χ^2/NDF:5640429.4/11

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

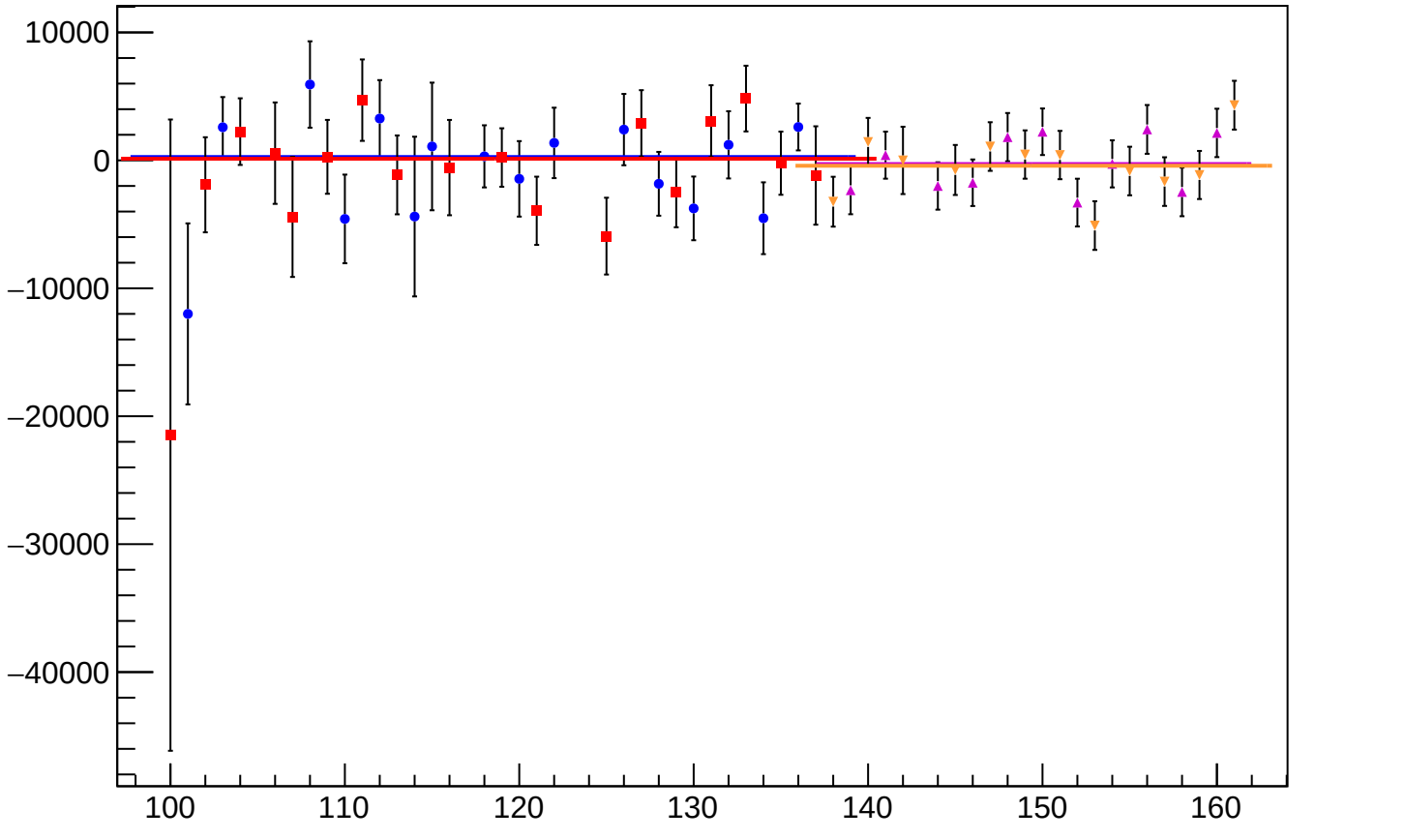
Left: 395.379+/-0.075 χ^2/NDF: 9962180.3/22

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 471.635+/-0.092 χ^2/NDF:6237833.7/26

Out: 423.615+/-0.087 χ^2/NDF:7831440.0/29

All: 446.244+/-0.063 χ^2/NDF: 14214153.1/56



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.983+/-561.176 χ^2/NDF:16.9/11

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -288.719+/-561.717 χ^2/NDF:13.6/10

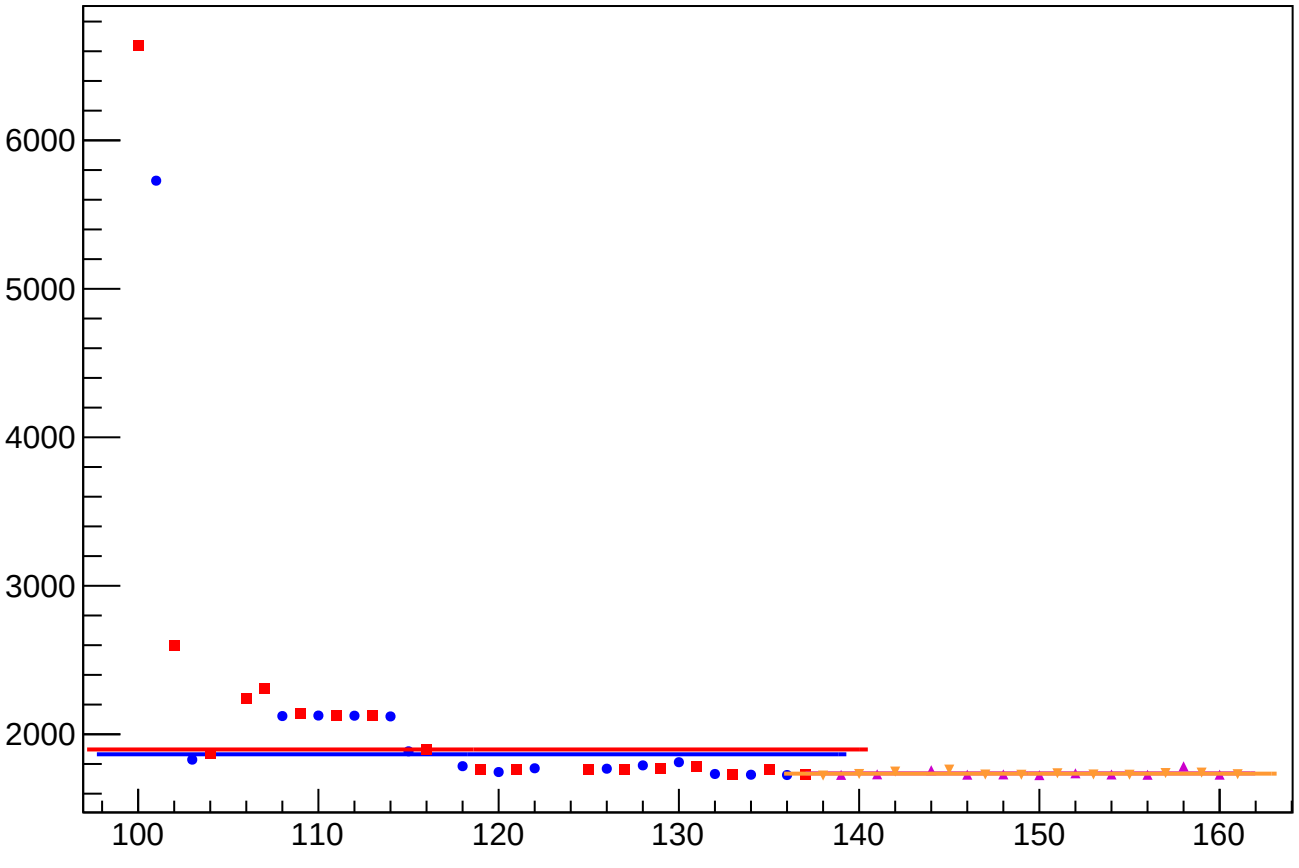
Left: -354.915+/-397.003 χ^2/NDF: 30.6/22

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -77.492+/-440.451 χ^2/NDF:33.4/26

Out: -210.470+/-441.145 χ^2/NDF:35.3/29

All: -143.876+/-311.691 χ^2/NDF: 68.7/56



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.826+/-0.397 χ^2/NDF:676.0/11

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

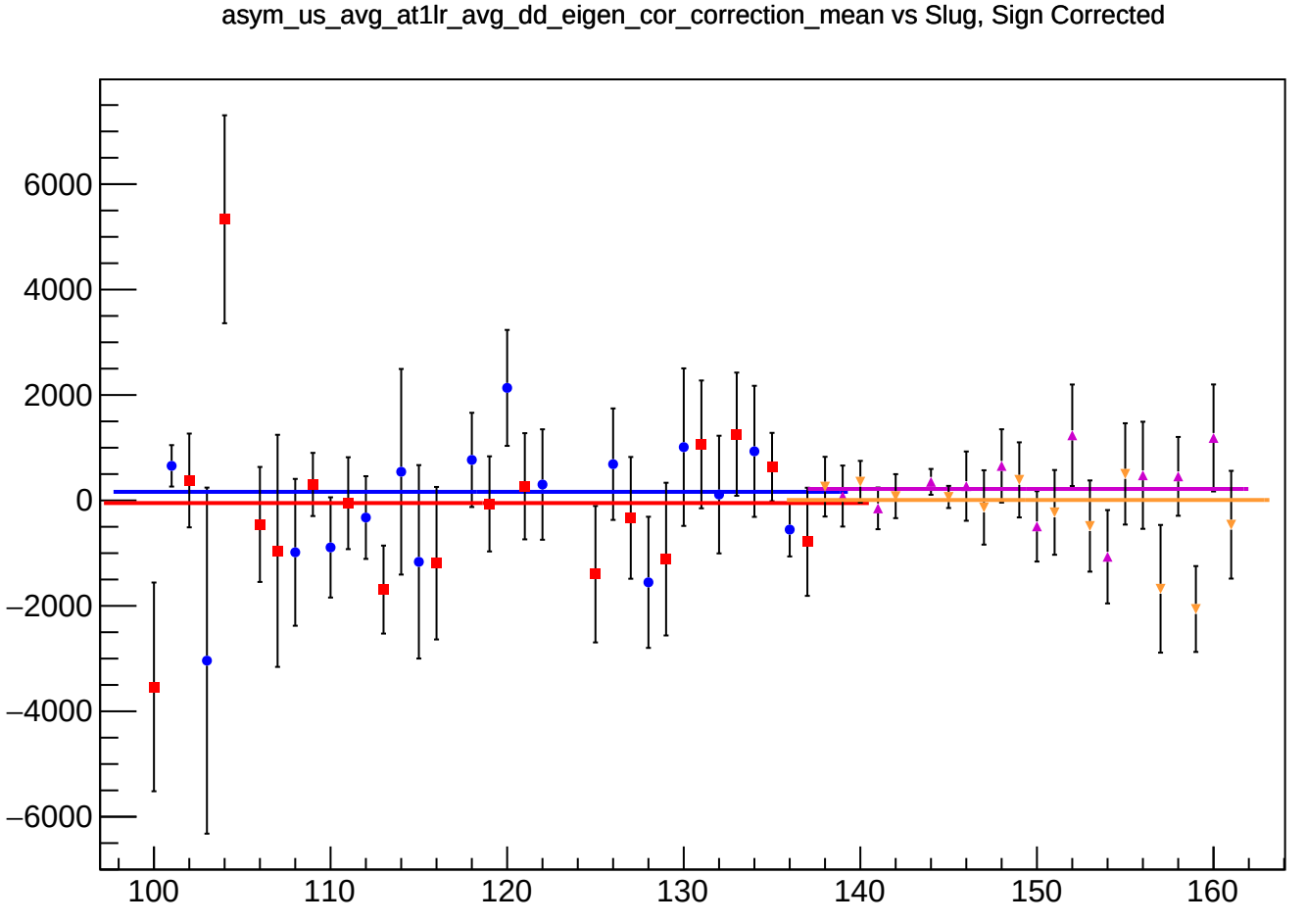
Left: 1735.758+/-0.281 χ^2/NDF: 2547.6/22

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1786.177+/-0.311 χ^2/NDF:714884.6/26

Out: 1797.049+/-0.312 χ^2/NDF:322774.8/29

All: 1791.605+/-0.220 χ^2/NDF: 1038267.8/56



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 8.323+/-142.805 χ^2/NDF:10.7/11

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 217.873+/-160.636 χ^2/NDF:7.1/10

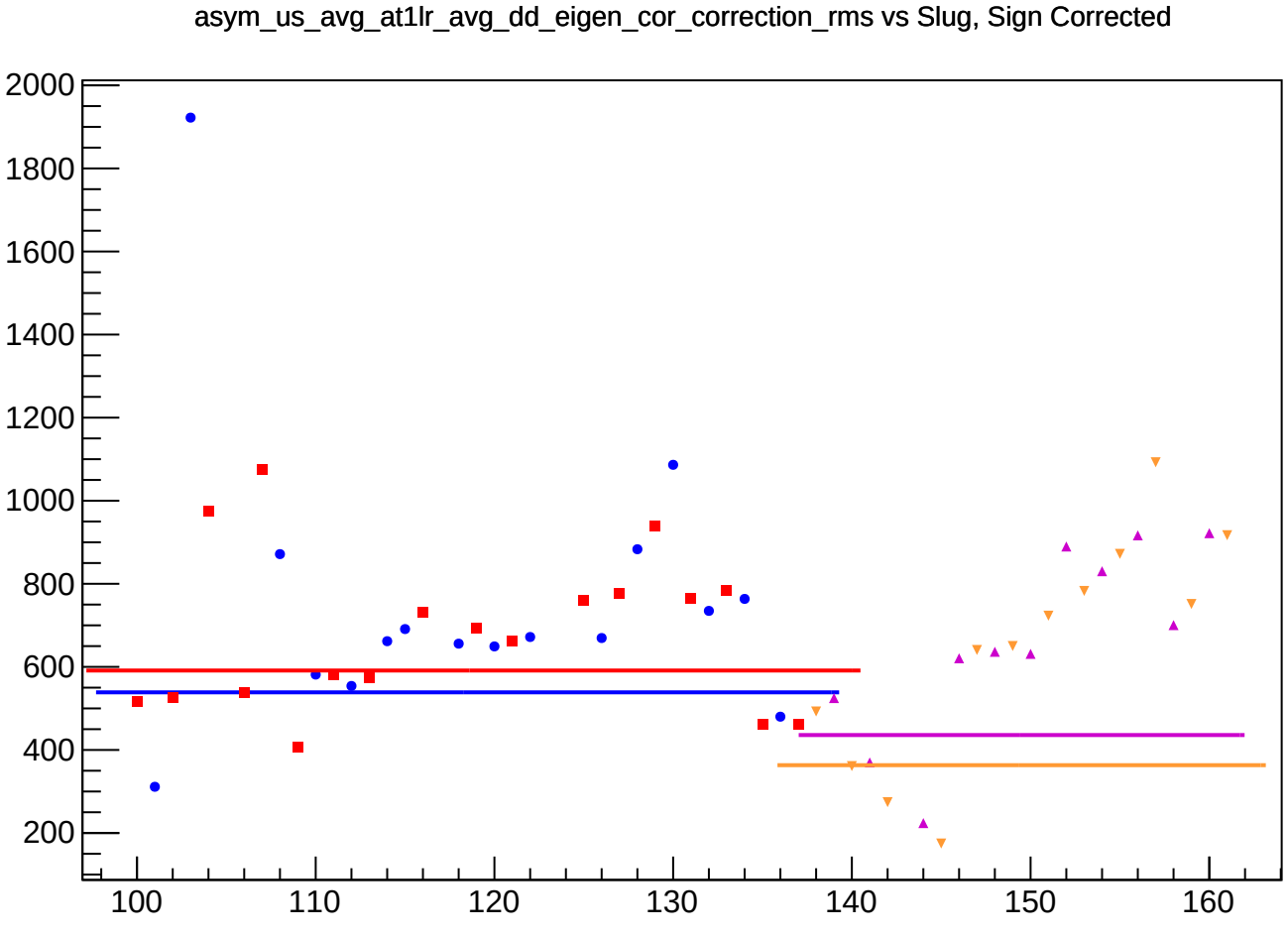
Left: 100.827+/-106.728 χ^2/NDF: 18.7/22

Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 198.846+/-129.739 χ^2/NDF:21.0/26

Out: -6.996+/-122.480 χ^2/NDF:32.1/29

All: 90.006+/-89.062 χ^2/NDF: 54.5/56



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 363.365+/-0.101 χ^2/NDF:5640429.4/11

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

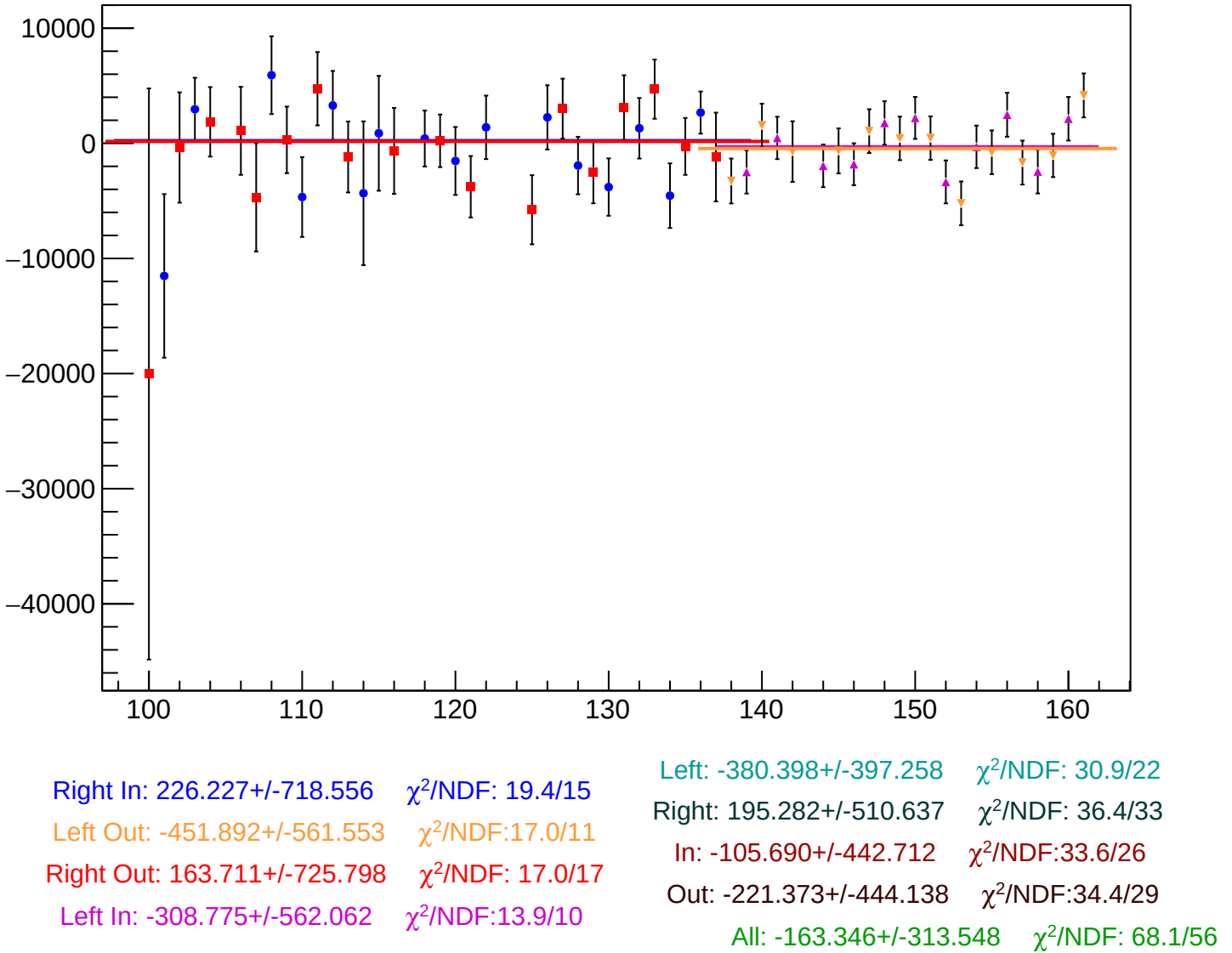
Left: 395.379+/-0.075 χ^2/NDF: 9962180.3/22

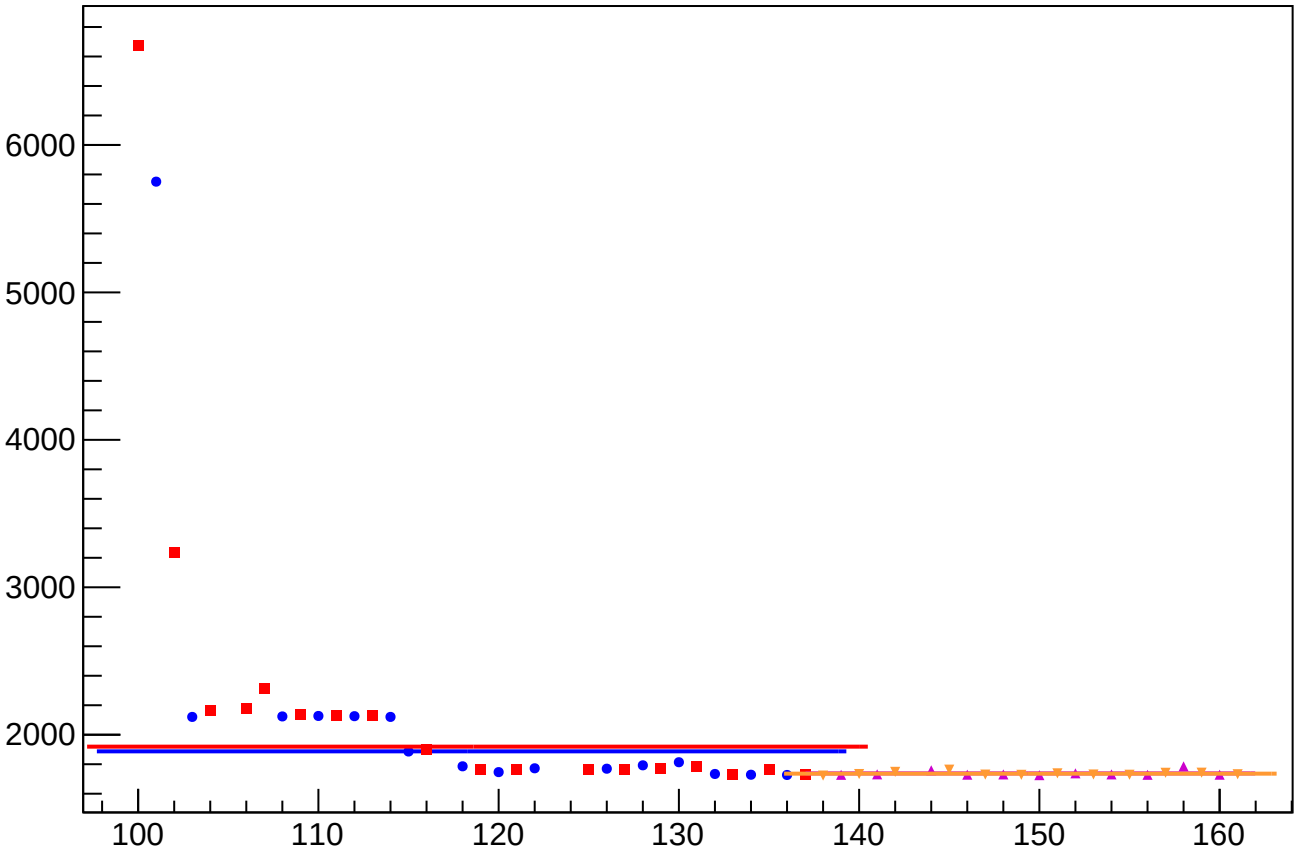
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 471.635+/-0.092 χ^2/NDF:6237833.7/26

Out: 423.615+/-0.087 χ^2/NDF:7831440.0/29

All: 446.244+/-0.063 χ^2/NDF: 14214153.1/56


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -451.892+/-561.553 χ²/NDF:17.0/11
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -308.775+/-562.062 χ²/NDF:13.9/10
Left: -380.398+/-397.258 χ²/NDF: 30.9/22
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -105.690+/-442.712 χ²/NDF:33.6/26
Out: -221.373+/-444.138 χ²/NDF:34.4/29
All: -163.346+/-313.548 χ²/NDF: 68.1/56



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.986+/-0.397 χ^2/NDF:681.5/11

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

Left: 1736.870+/-0.281 χ^2/NDF: 2553.1/22

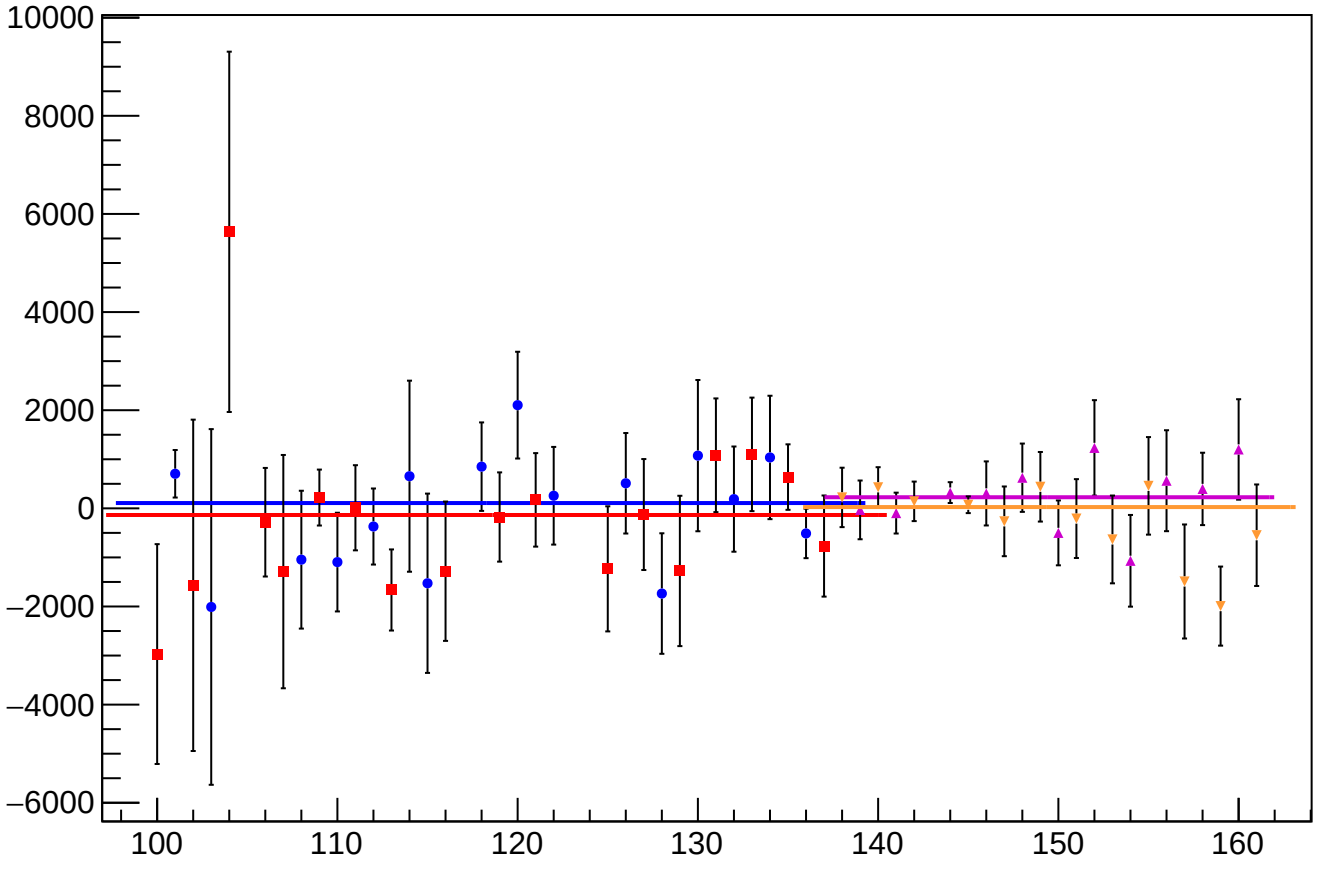
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1794.526+/-0.313 χ^2/NDF:745054.6/26

Out: 1804.579+/-0.314 χ^2/NDF:432937.9/29

All: 1799.536+/-0.222 χ^2/NDF: 1178506.5/56

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: 26.076+/-128.770 χ^2/NDF:10.8/11

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 226.366+/-151.812 χ^2/NDF:6.6/10

Left: 109.882+/-98.201 χ^2/NDF: 18.4/22

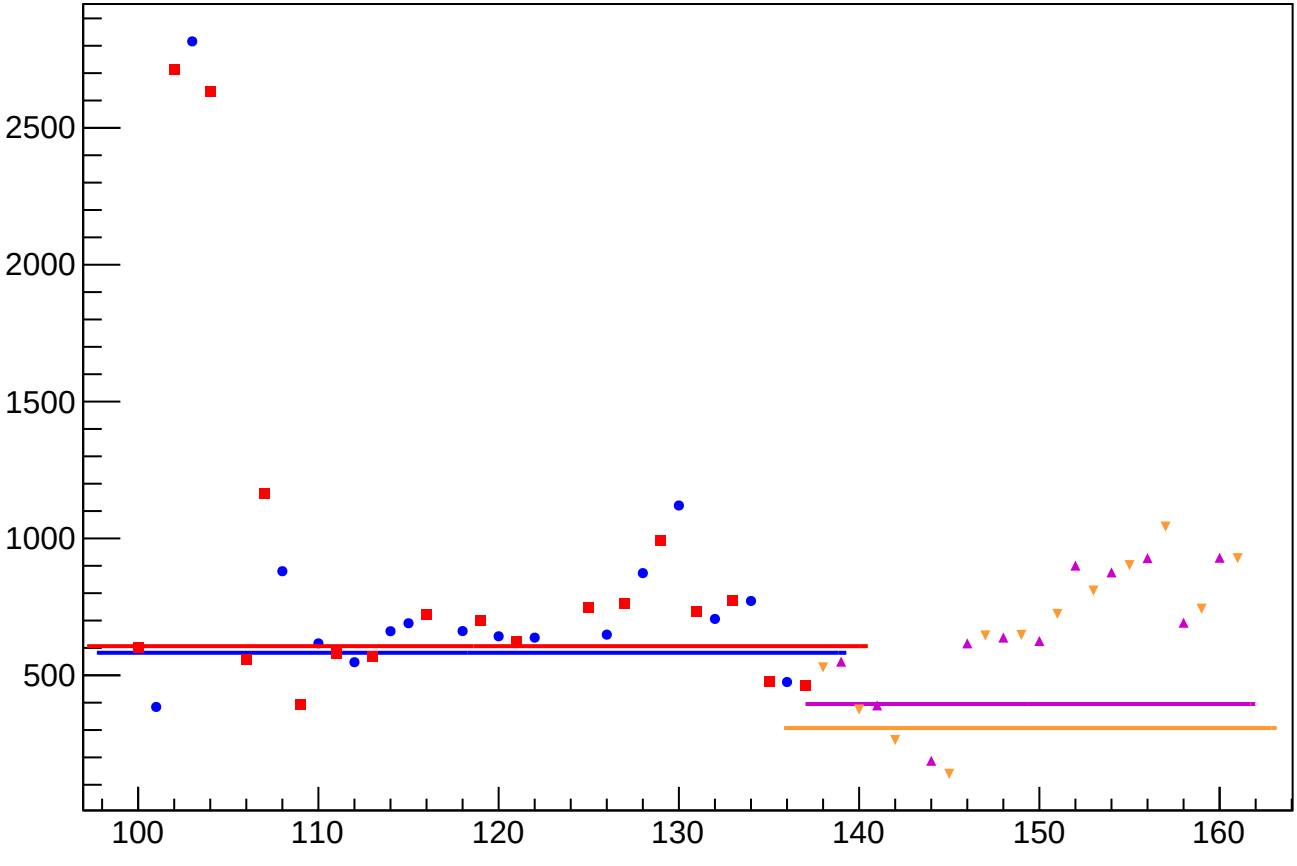
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 190.855+/-126.985 χ^2/NDF:20.9/26

Out: -8.659+/-114.078 χ^2/NDF:25.5/29

All: 80.447+/-84.863 χ^2/NDF: 47.8/56

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: 307.257+/-0.091 χ^2/NDF:7178300.0/11

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 395.035+/-0.107 χ^2/NDF:5234837.0/10

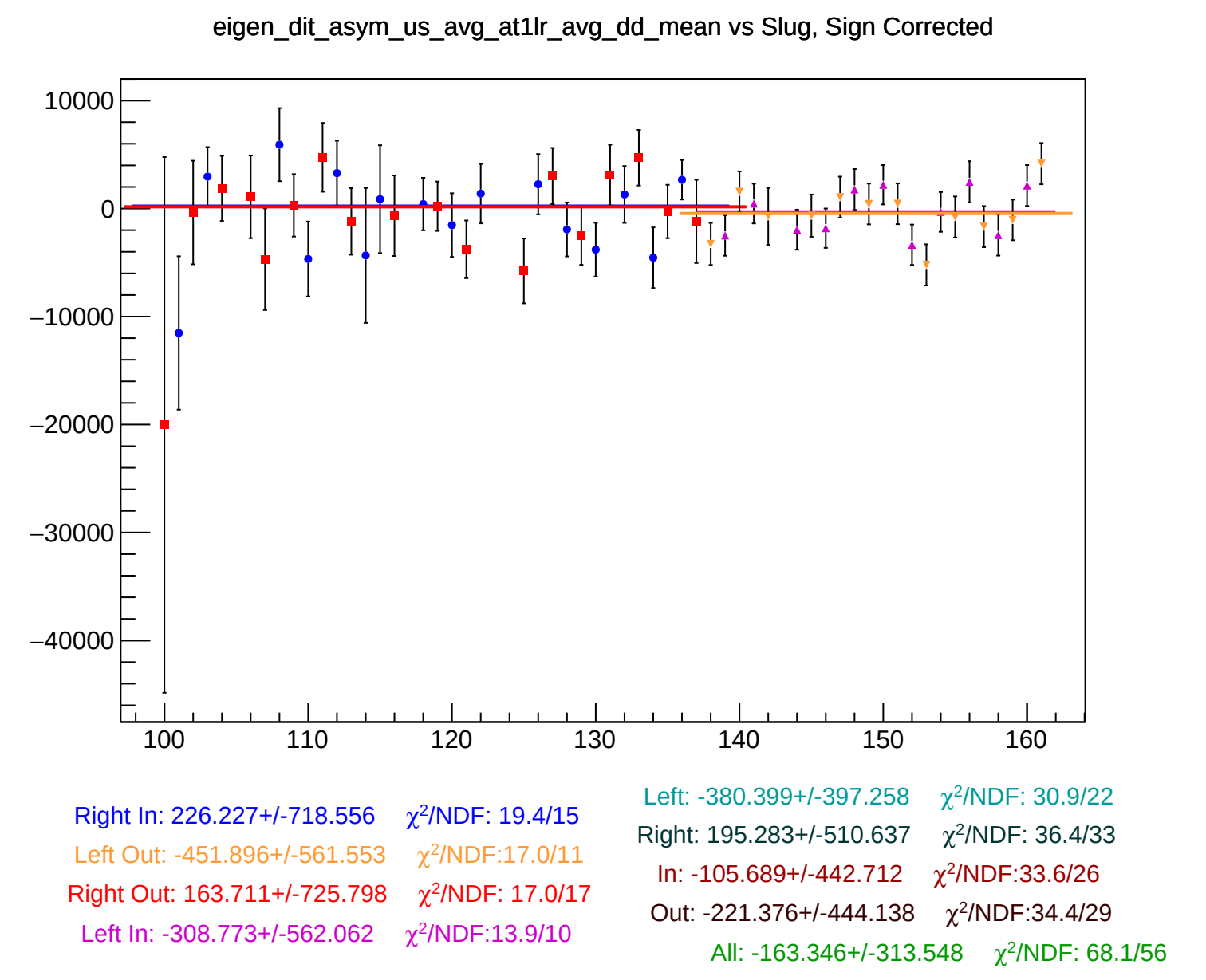
Left: 343.985+/-0.069 χ^2/NDF: 12801995.0/22

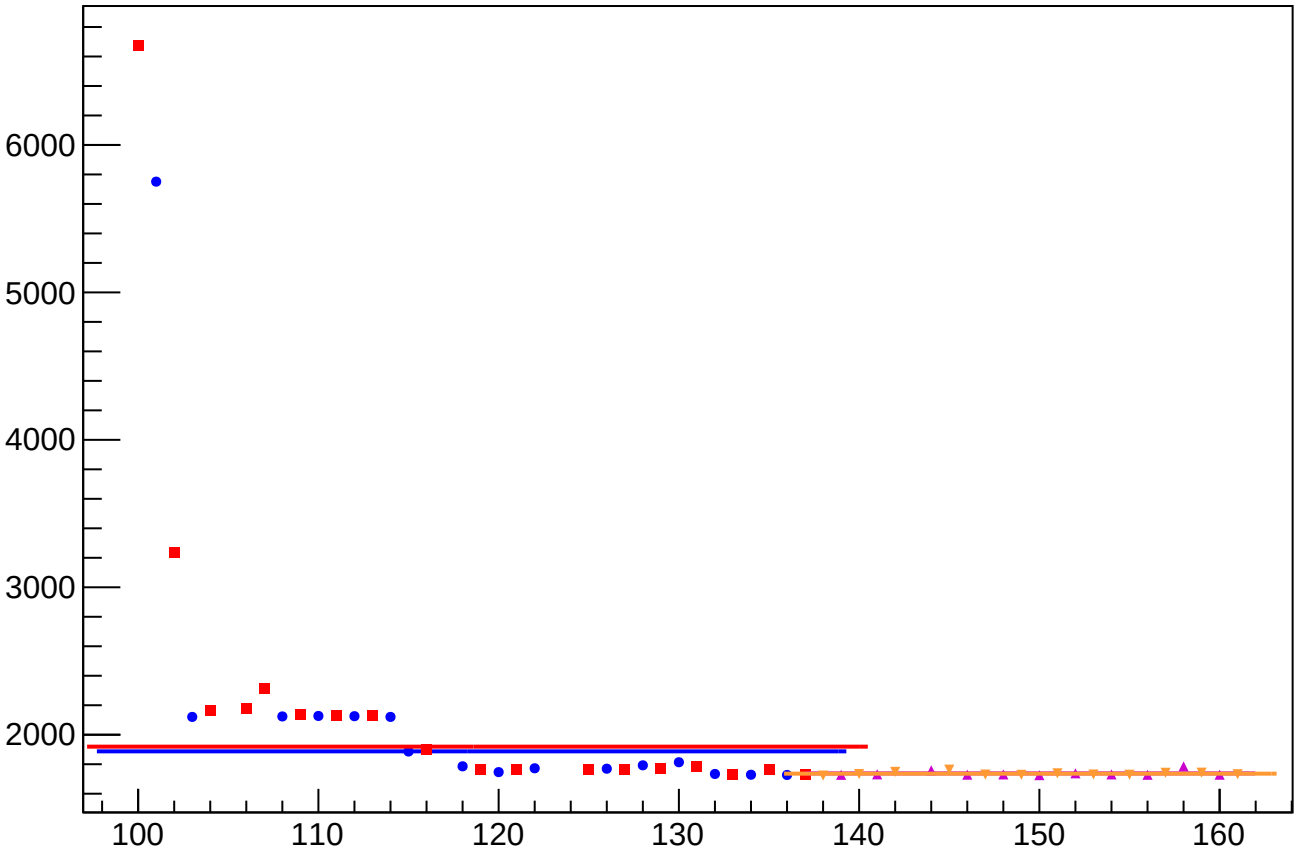
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 451.269+/-0.090 χ^2/NDF:7902836.1/26

Out: 371.633+/-0.081 χ^2/NDF:11699863.2/29

All: 407.199+/-0.060 χ^2/NDF: 20037981.8/56


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -451.896+/-561.553 χ²/NDF:17.0/11
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -308.773+/-562.062 χ²/NDF:13.9/10
Left: -380.399+/-397.258 χ²/NDF: 30.9/22
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -105.689+/-442.712 χ²/NDF:33.6/26
Out: -221.376+/-444.138 χ²/NDF:34.4/29
All: -163.346+/-313.548 χ²/NDF: 68.1/56



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.986+/-0.397 χ^2/NDF:681.5/11

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

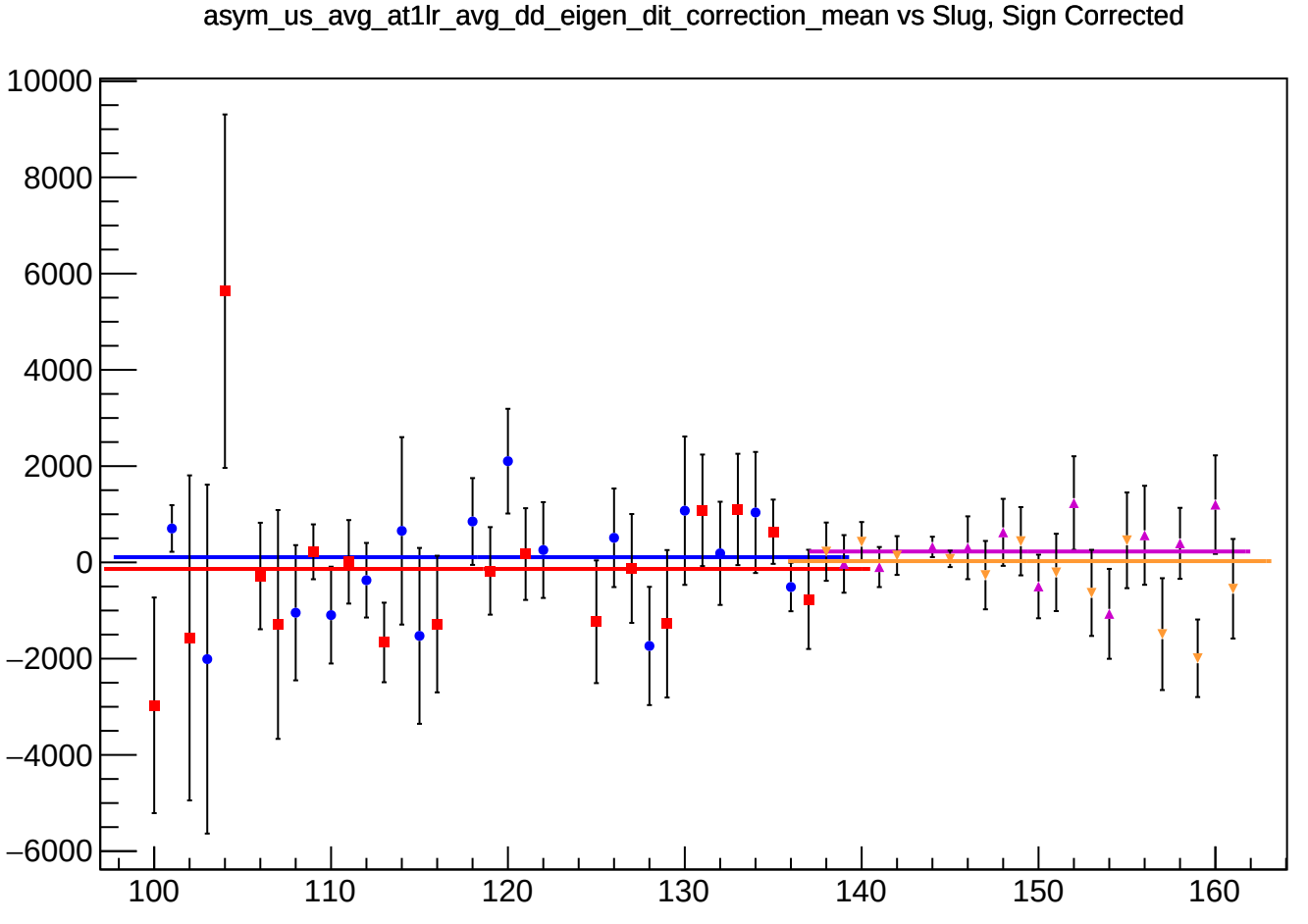
Left: 1736.870+/-0.281 χ^2/NDF: 2553.1/22

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1794.526+/-0.313 χ^2/NDF:745054.2/26

Out: 1804.579+/-0.314 χ^2/NDF:432937.1/29

All: 1799.536+/-0.222 χ^2/NDF: 1178505.3/56



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 26.075+/-128.770 χ^2/NDF:10.8/11

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 226.366+/-151.813 χ^2/NDF:6.6/10

Left: 109.882+/-98.201 χ^2/NDF: 18.4/22

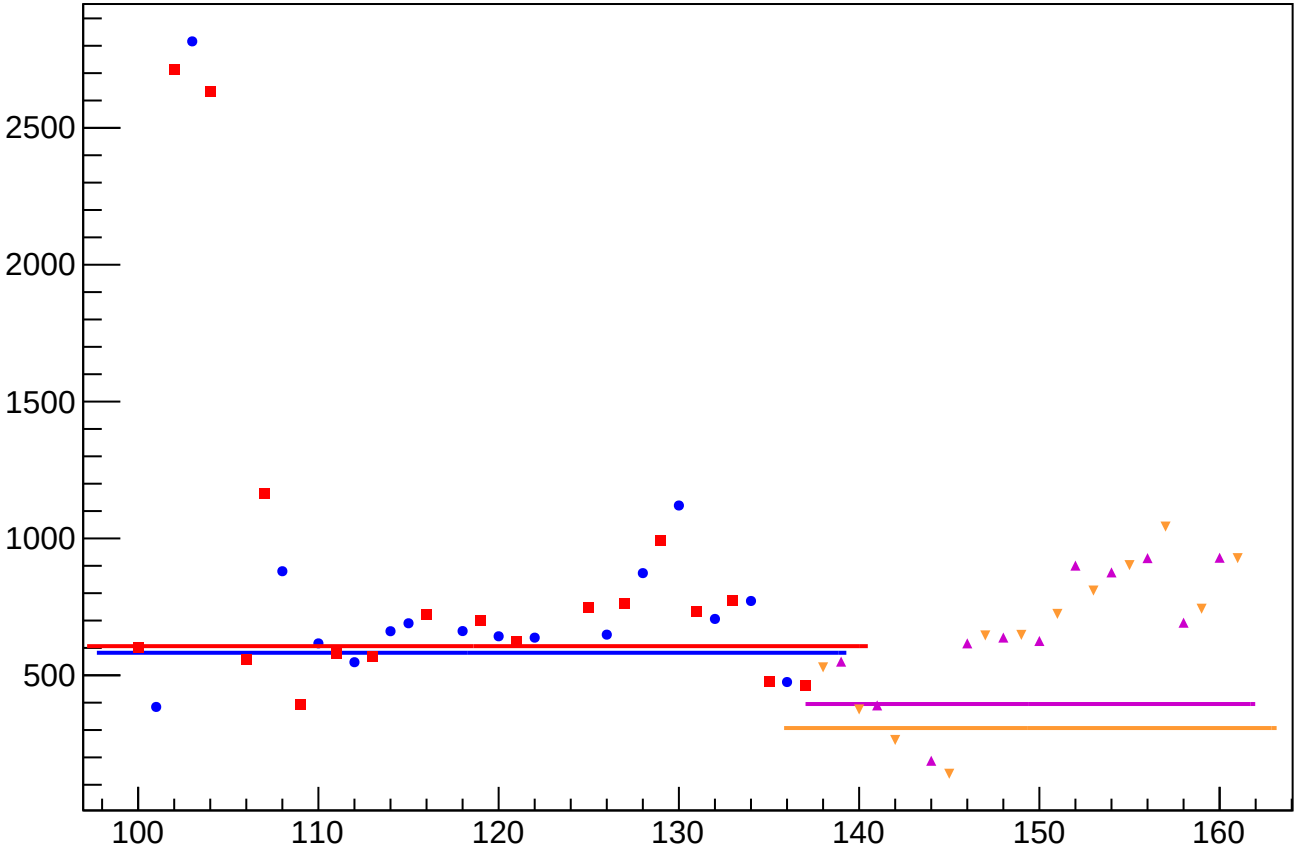
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 190.854+/-126.985 χ^2/NDF:20.9/26

Out: -8.660+/-114.078 χ^2/NDF:25.5/29

All: 80.446+/-84.863 χ^2/NDF: 47.8/56

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: 307.256+/-0.091 χ^2/NDF:7178330.0/11

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 395.035+/-0.107 χ^2/NDF:5234855.8/10

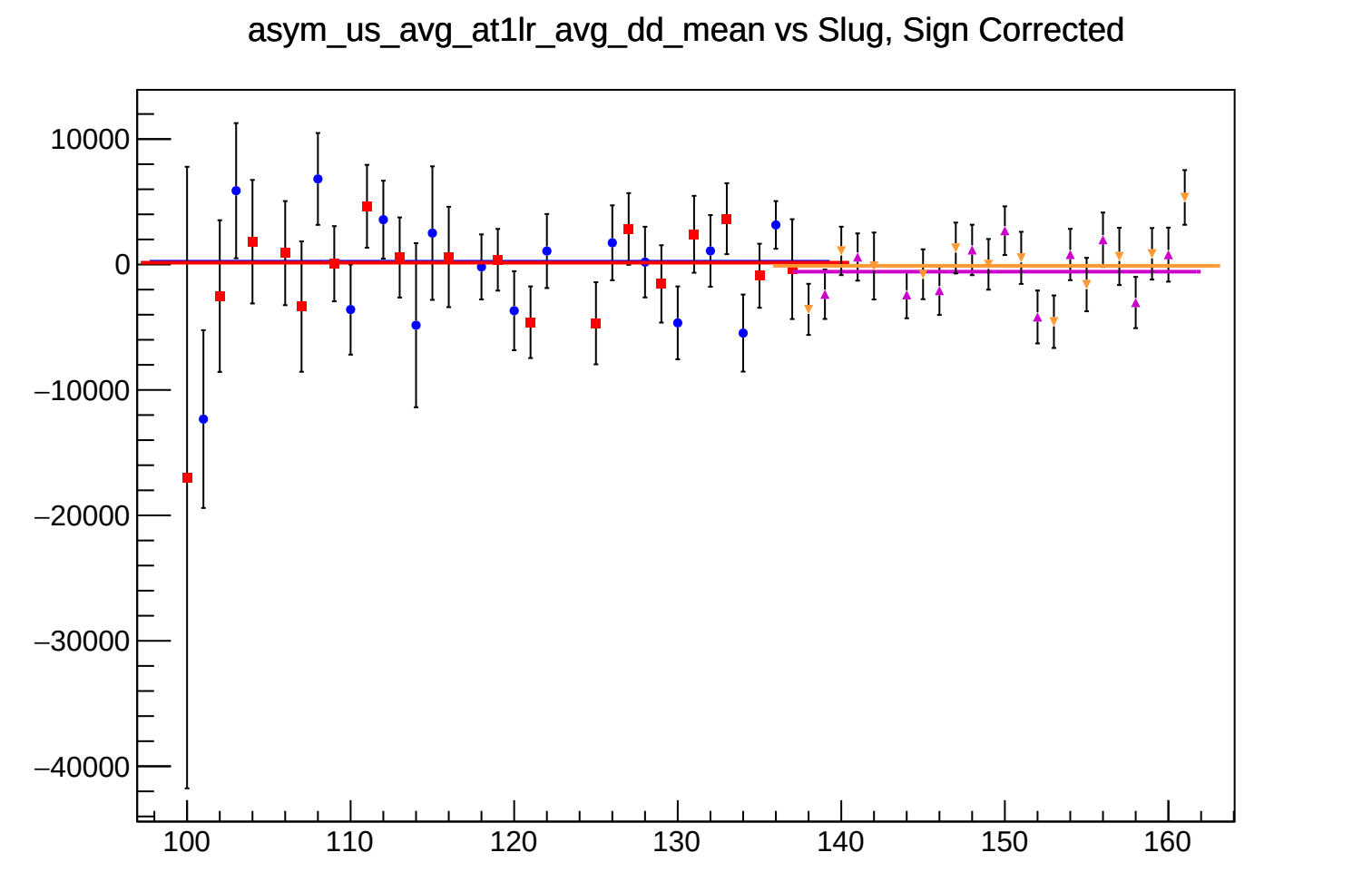
Left: 343.985+/-0.069 χ^2/NDF: 12802047.5/22

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 451.269+/-0.090 χ^2/NDF:7902824.6/26

Out: 371.633+/-0.081 χ^2/NDF:11699870.8/29

All: 407.199+/-0.060 χ^2/NDF: 20037982.9/56



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -101.026+/-607.602 χ^2/NDF:15.6/11

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -570.637+/-604.756 χ^2/NDF:13.0/10

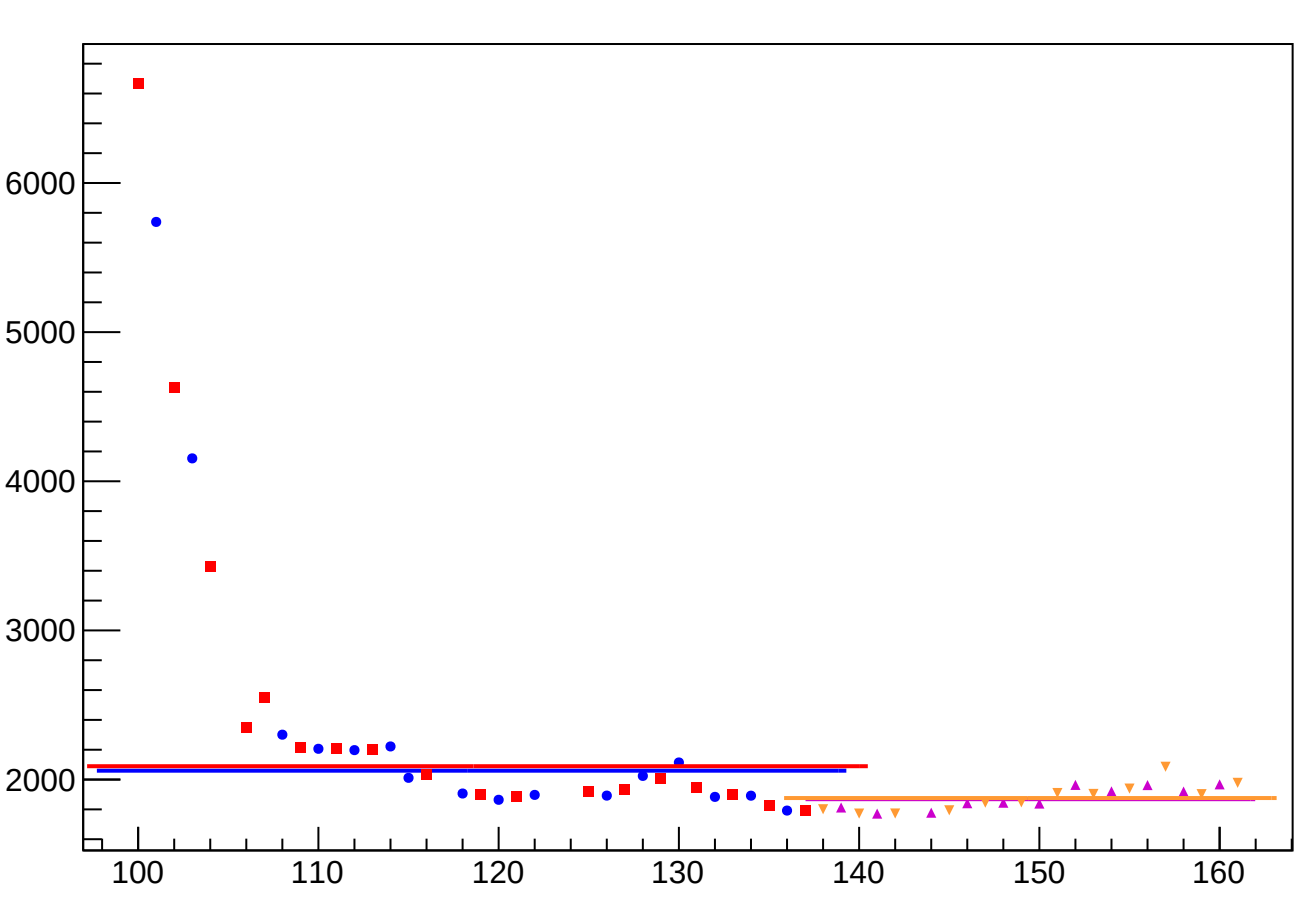
Left: -336.934+/-428.630 χ^2/NDF: 28.8/22

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -277.622+/-480.581 χ^2/NDF:34.8/26

Out: -9.091+/-482.569 χ^2/NDF:27.2/29

All: -143.911+/-340.523 χ^2/NDF: 62.1/56



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1876.022+/-0.430 χ^2/NDF:40072.2/11

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1868.347+/-0.428 χ^2/NDF:27442.7/10

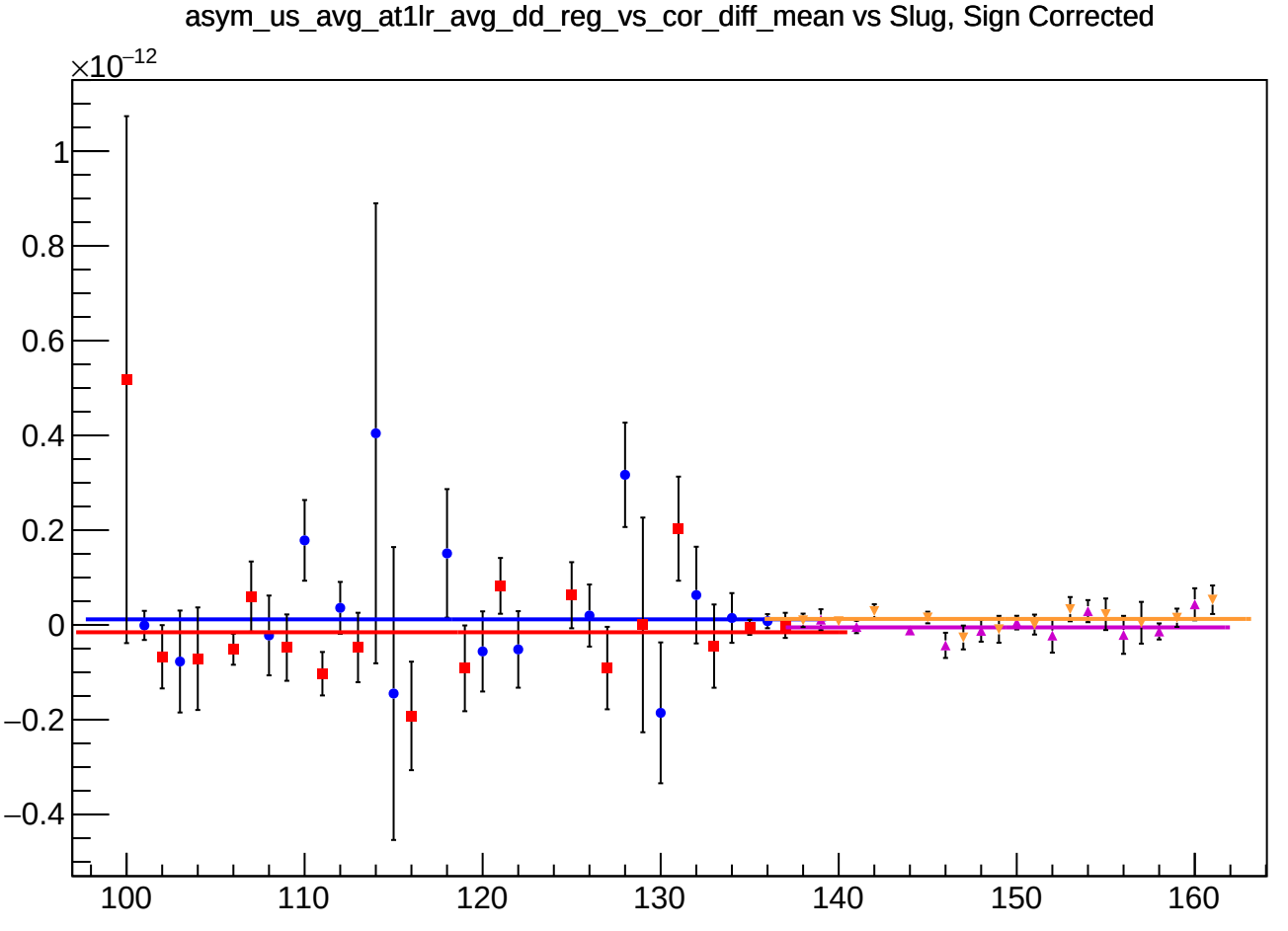
Left: 1872.167+/-0.303 χ^2/NDF: 67675.2/22

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1938.785+/-0.340 χ^2/NDF:1040945.7/26

Out: 1954.833+/-0.341 χ^2/NDF:812672.7/29

All: 1946.776+/-0.241 χ^2/NDF: 1854728.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

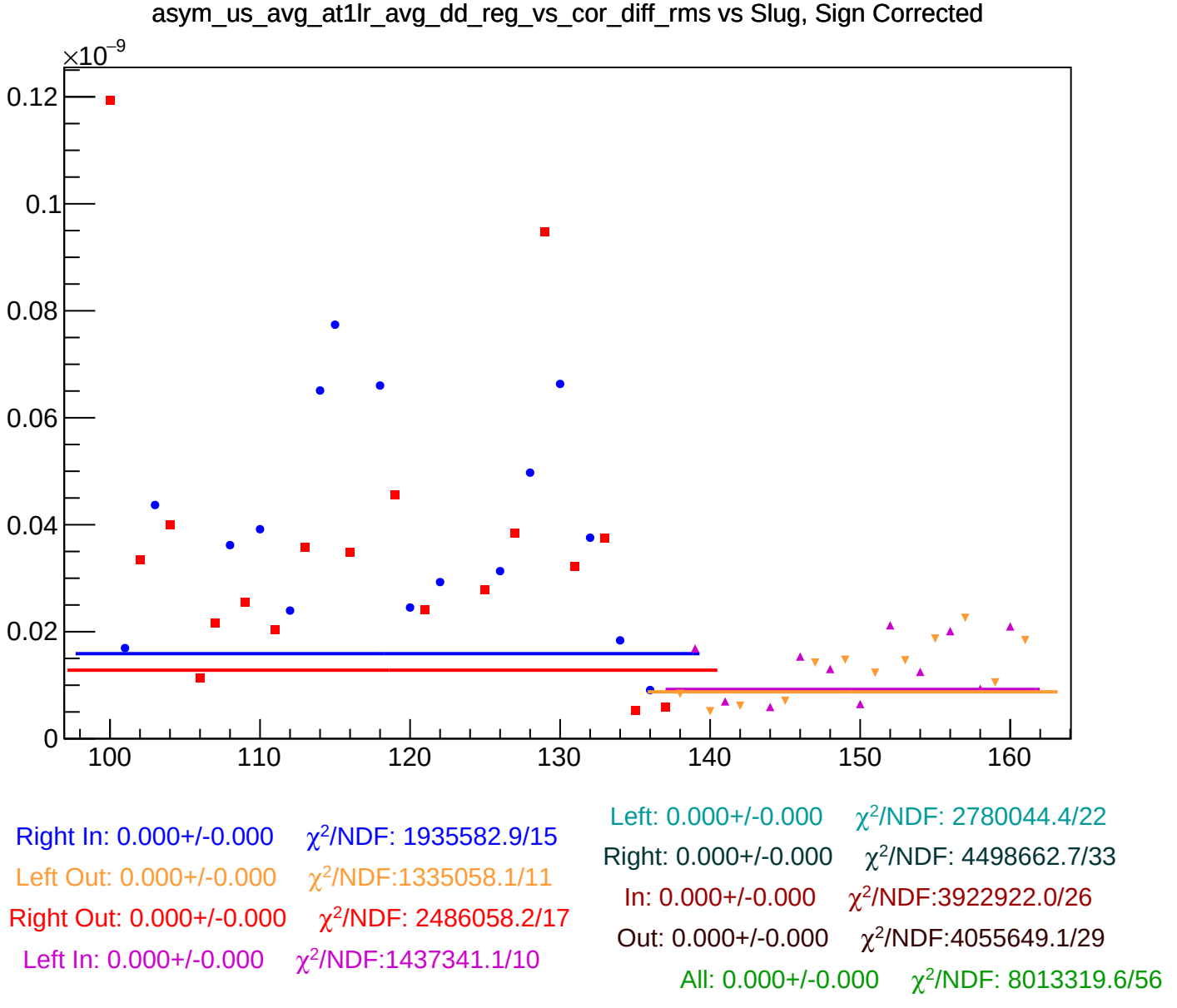
Left: 0.000+/-0.000 χ^2/NDF: 22.1/22

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:28.4/26

Out: 0.000+/-0.000 χ^2/NDF:34.0/29

All: 0.000+/-0.000 χ^2/NDF: 64.5/56


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
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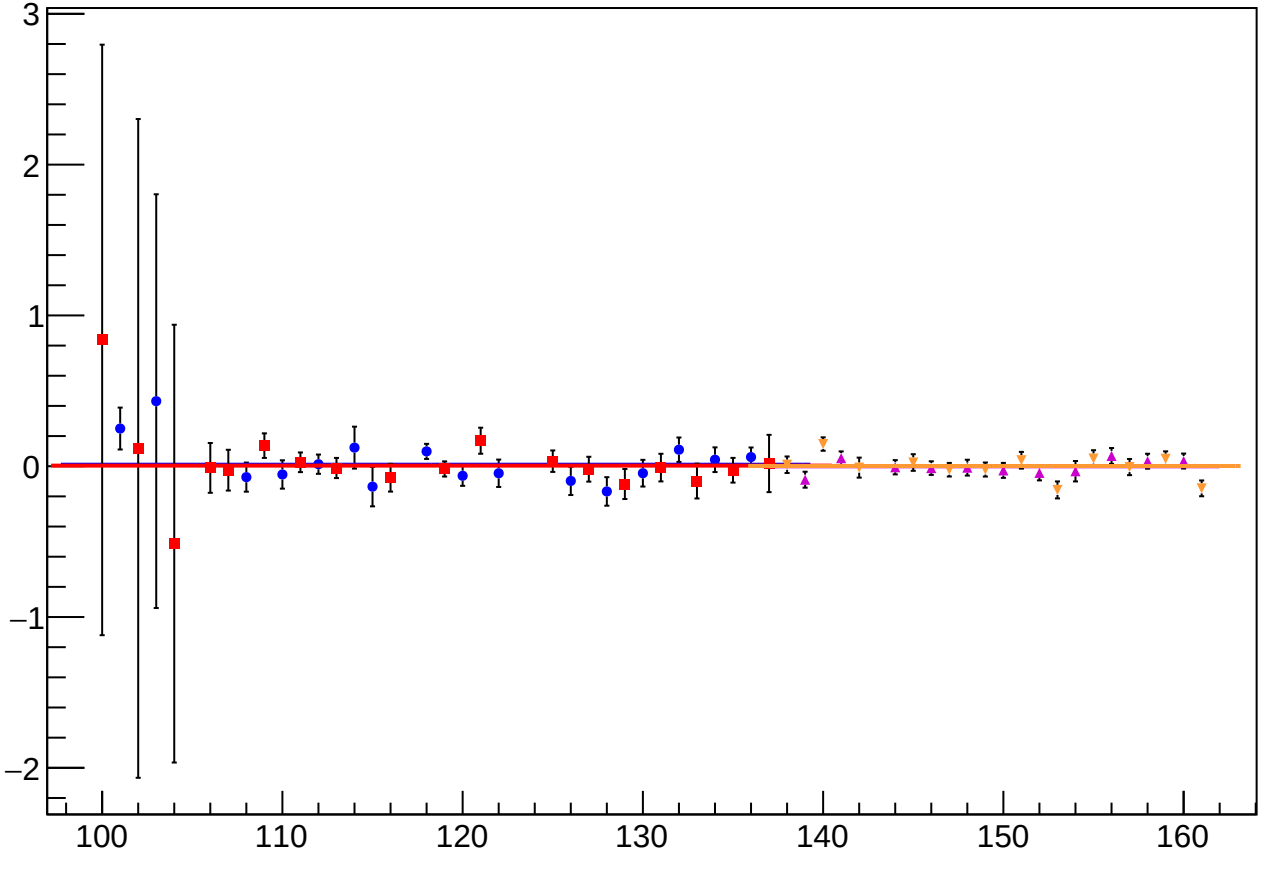
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1335058.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:1437341.1/10
Left: 0.000+/-0.000 χ²/NDF: 2780044.4/22
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:3922922.0/26
Out: 0.000+/-0.000 χ²/NDF:4055649.1/29
All: 0.000+/-0.000 χ²/NDF: 8013319.6/56

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: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.000+/-0.011 χ^2/NDF: 37.9/22

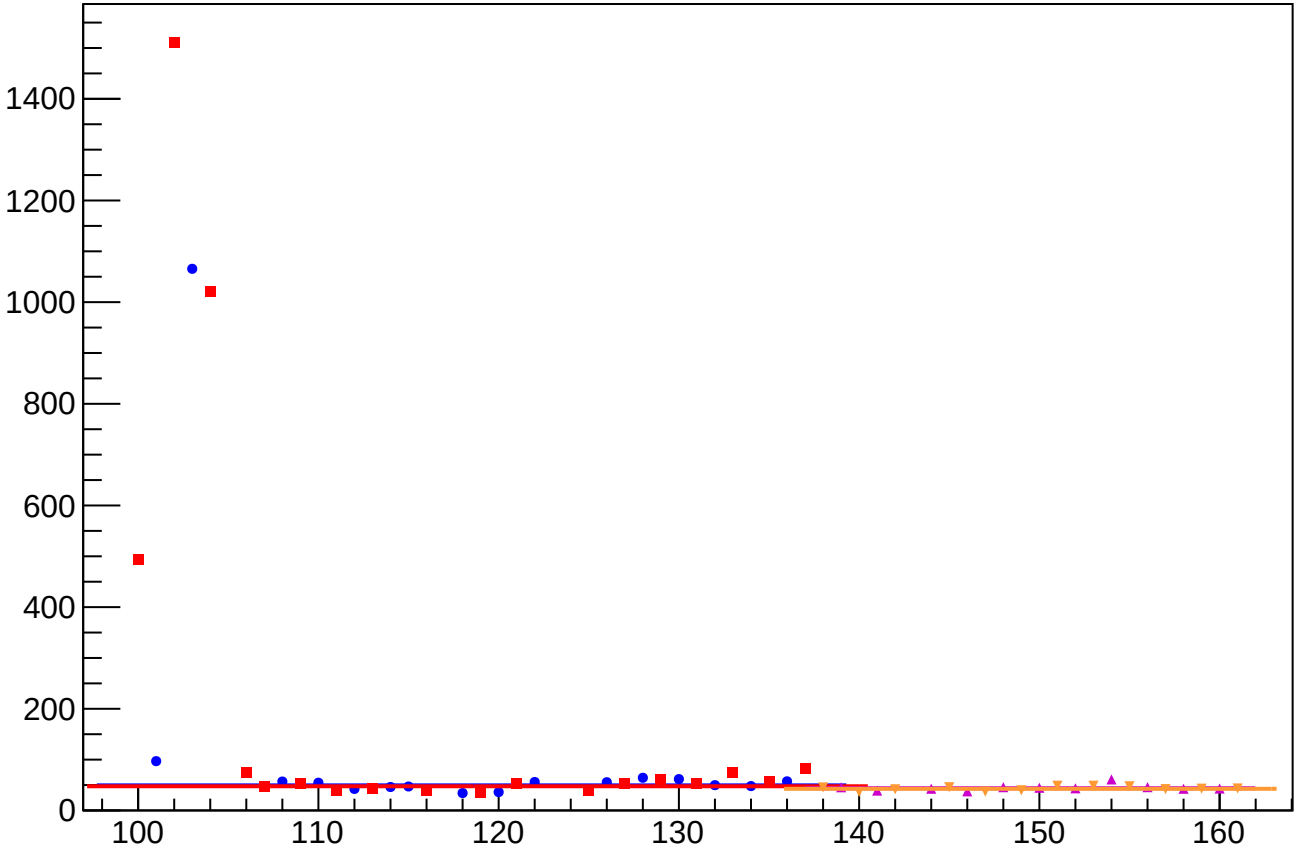
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.002+/-0.012 χ^2/NDF:40.1/29

All: 0.003+/-0.009 χ^2/NDF: 67.0/56

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.609+/-0.011 χ^2/NDF:151742.5/11

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.700+/-0.011 χ^2/NDF:200199.2/10

Left: 43.149+/-0.008 χ^2/NDF: 357163.1/22

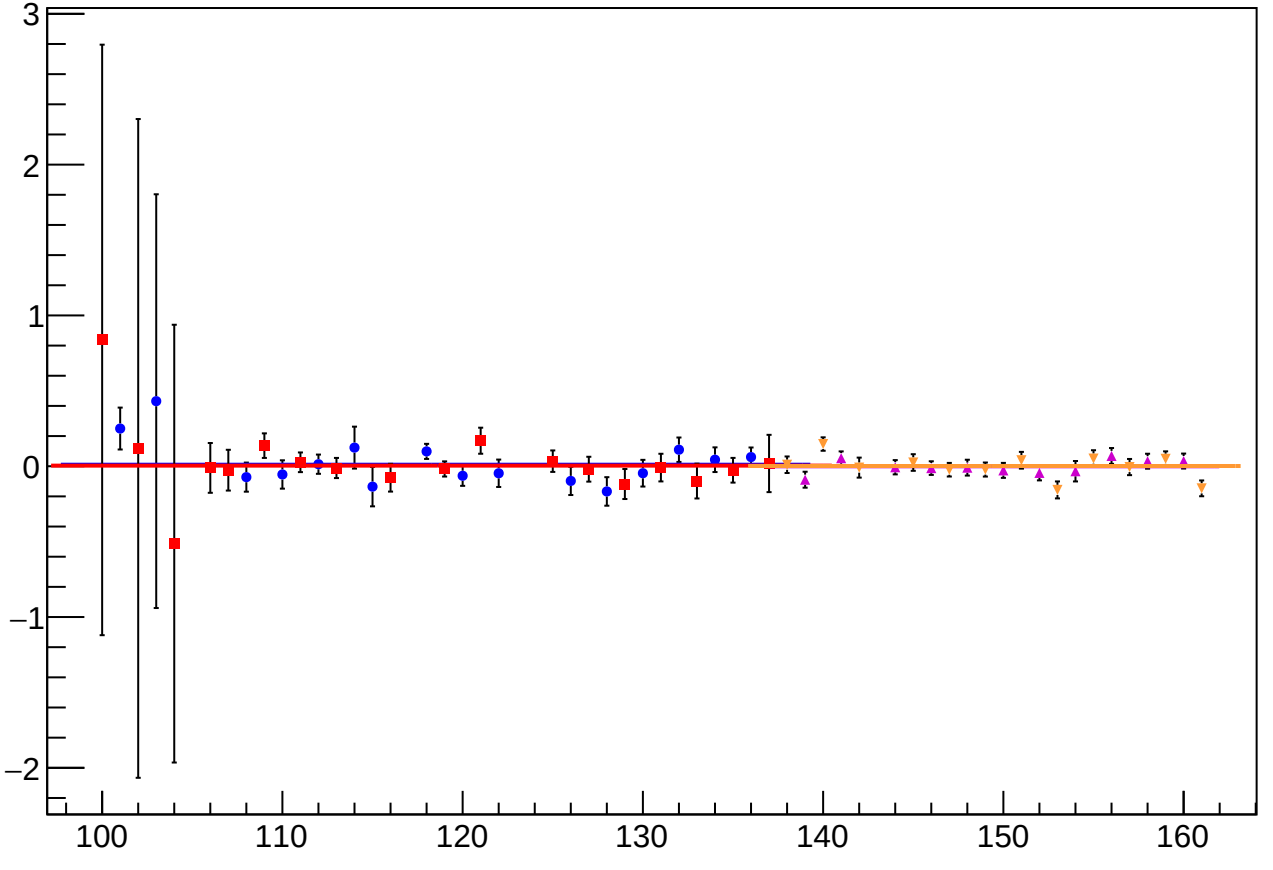
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.636+/-0.009 χ^2/NDF:2072026.3/26

Out: 44.248+/-0.009 χ^2/NDF:2642390.4/29

All: 44.944+/-0.006 χ^2/NDF: 4727155.2/56

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: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.000+/-0.011 χ^2/NDF: 37.9/22

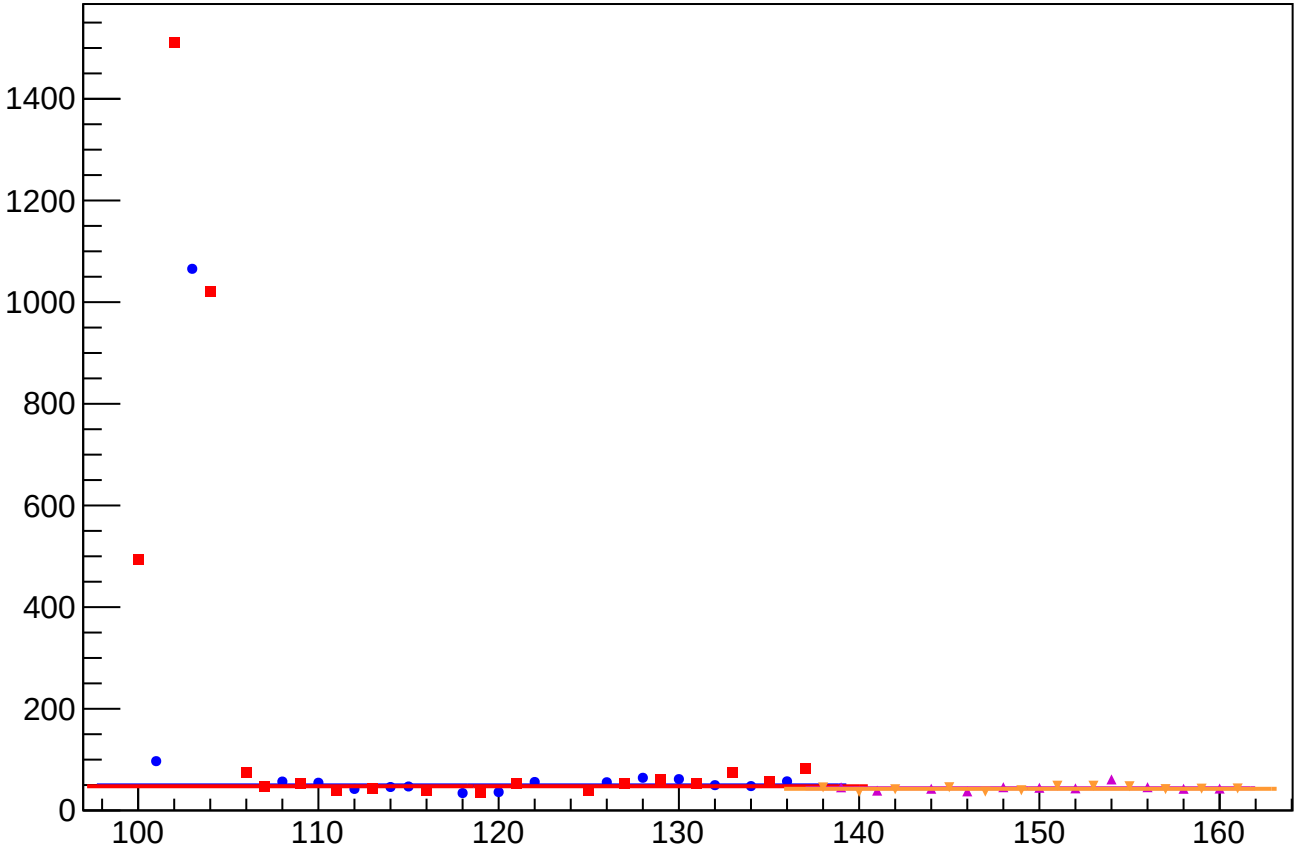
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.002+/-0.012 χ^2/NDF:40.1/29

All: 0.003+/-0.009 χ^2/NDF: 67.0/56

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.609+/-0.011 χ^2/NDF:151742.5/11

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.700+/-0.011 χ^2/NDF:200199.2/10

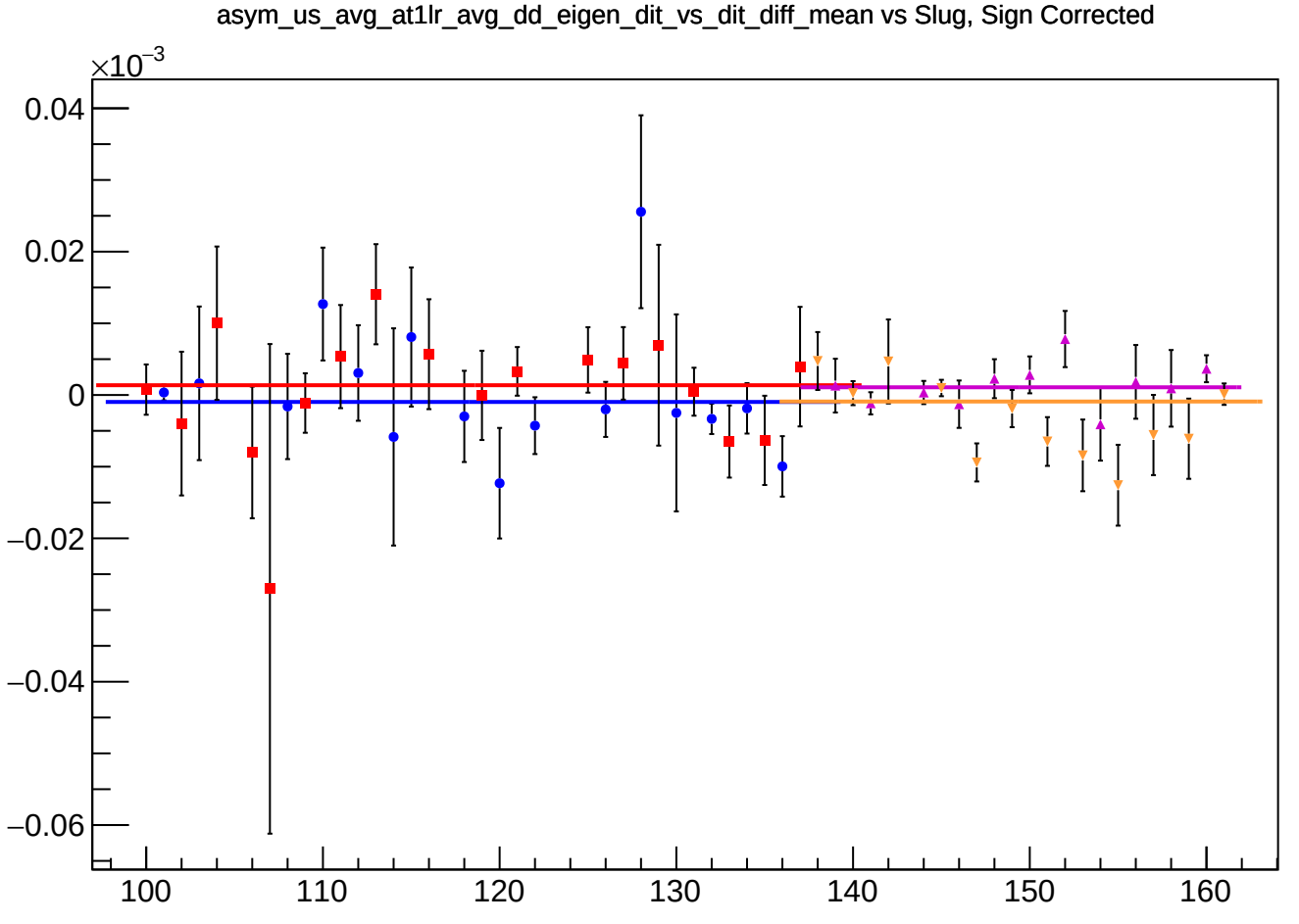
Left: 43.149+/-0.008 χ^2/NDF: 357163.1/22

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.636+/-0.009 χ^2/NDF:2072026.3/26

Out: 44.248+/-0.009 χ^2/NDF:2642390.4/29

All: 44.944+/-0.006 χ^2/NDF: 4727155.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/10

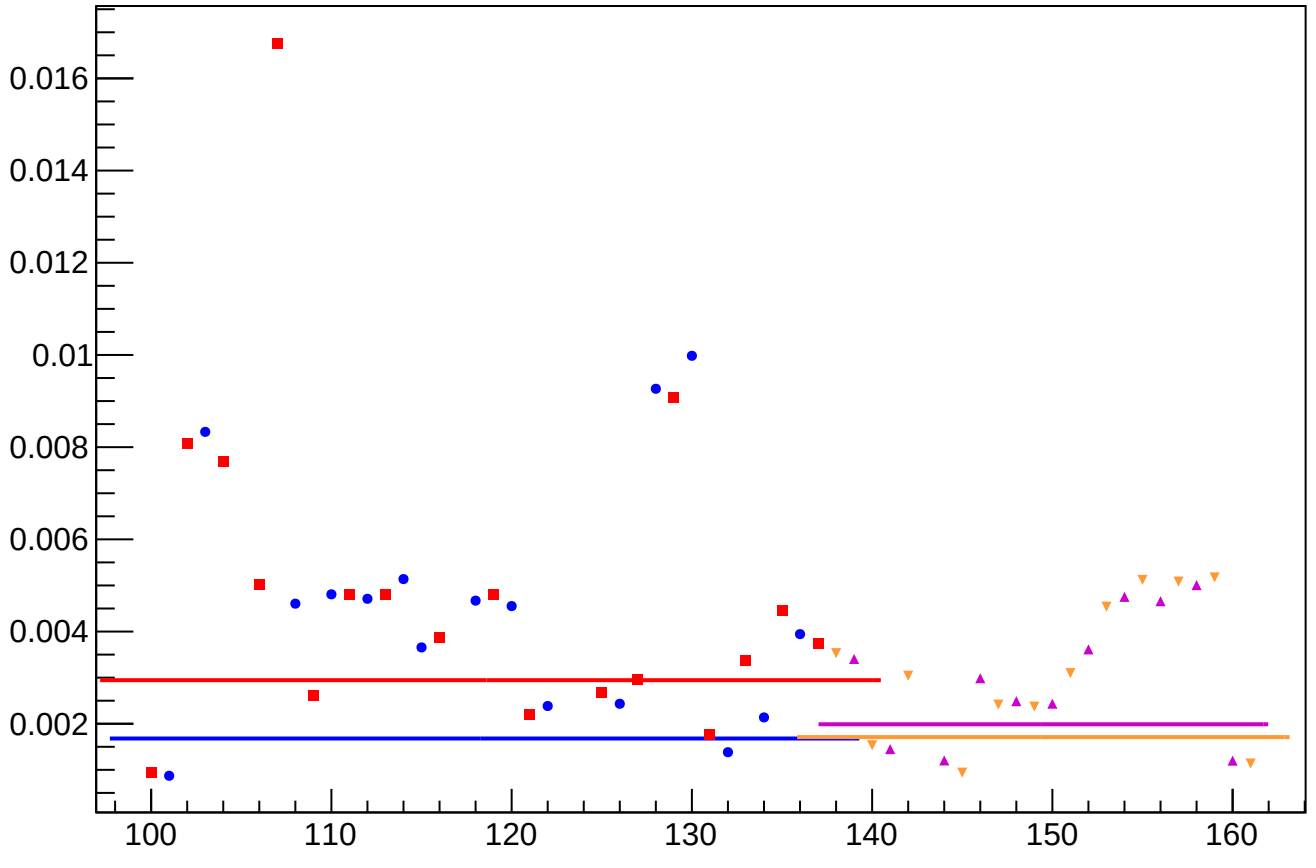
Left: -0.000+/-0.000 χ^2/NDF: 40.8/22

Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.3/26

Out: -0.000+/-0.000 χ^2/NDF:42.8/29

All: -0.000+/-0.000 χ^2/NDF: 74.5/56



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:5199233.5/11

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3774738.6/10

Left: 0.002+/-0.000 χ^2/NDF: 9121939.4/22

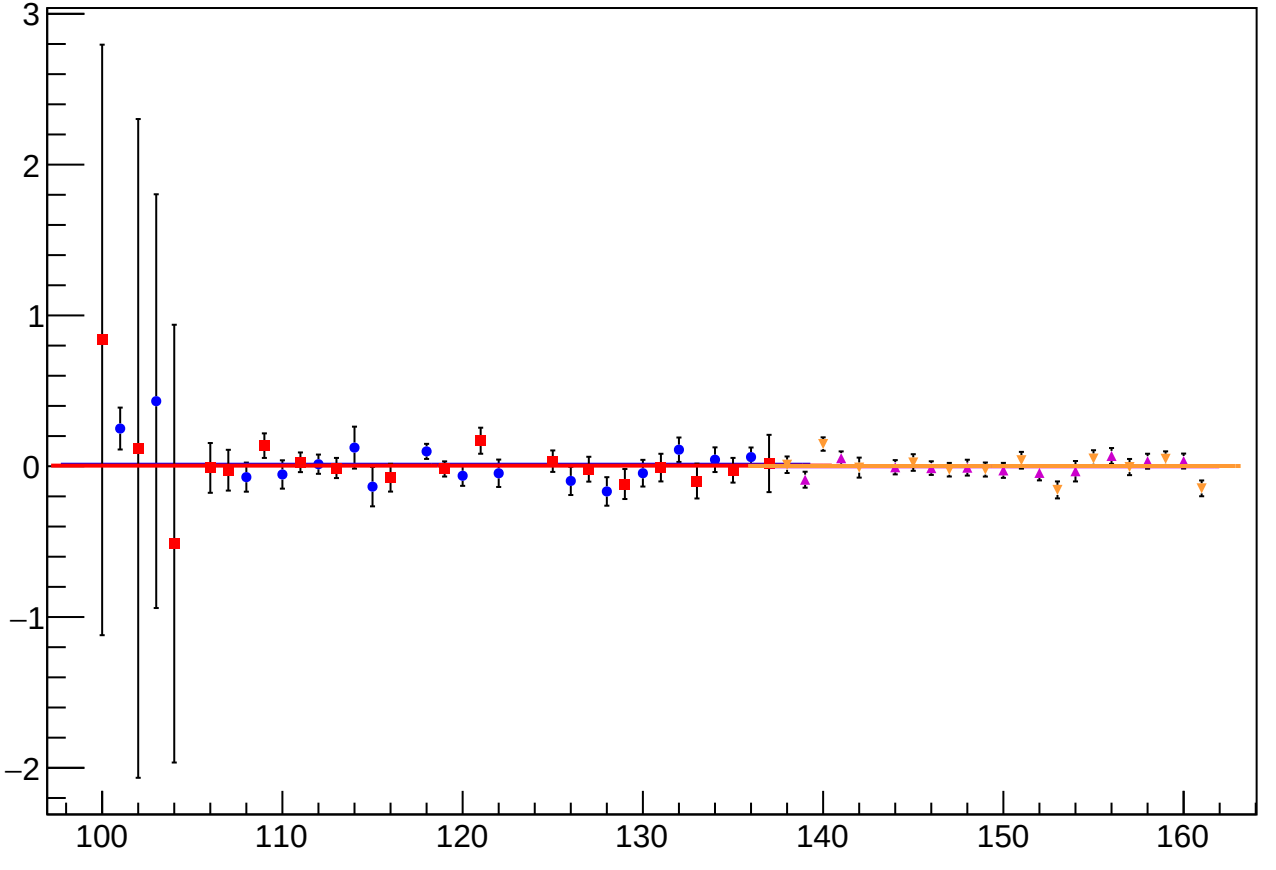
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:9884799.6/26

Out: 0.002+/-0.000 χ^2/NDF:10014629.9/29

All: 0.002+/-0.000 χ^2/NDF: 19950835.5/56

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: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.000+/-0.011 χ^2/NDF: 37.9/22

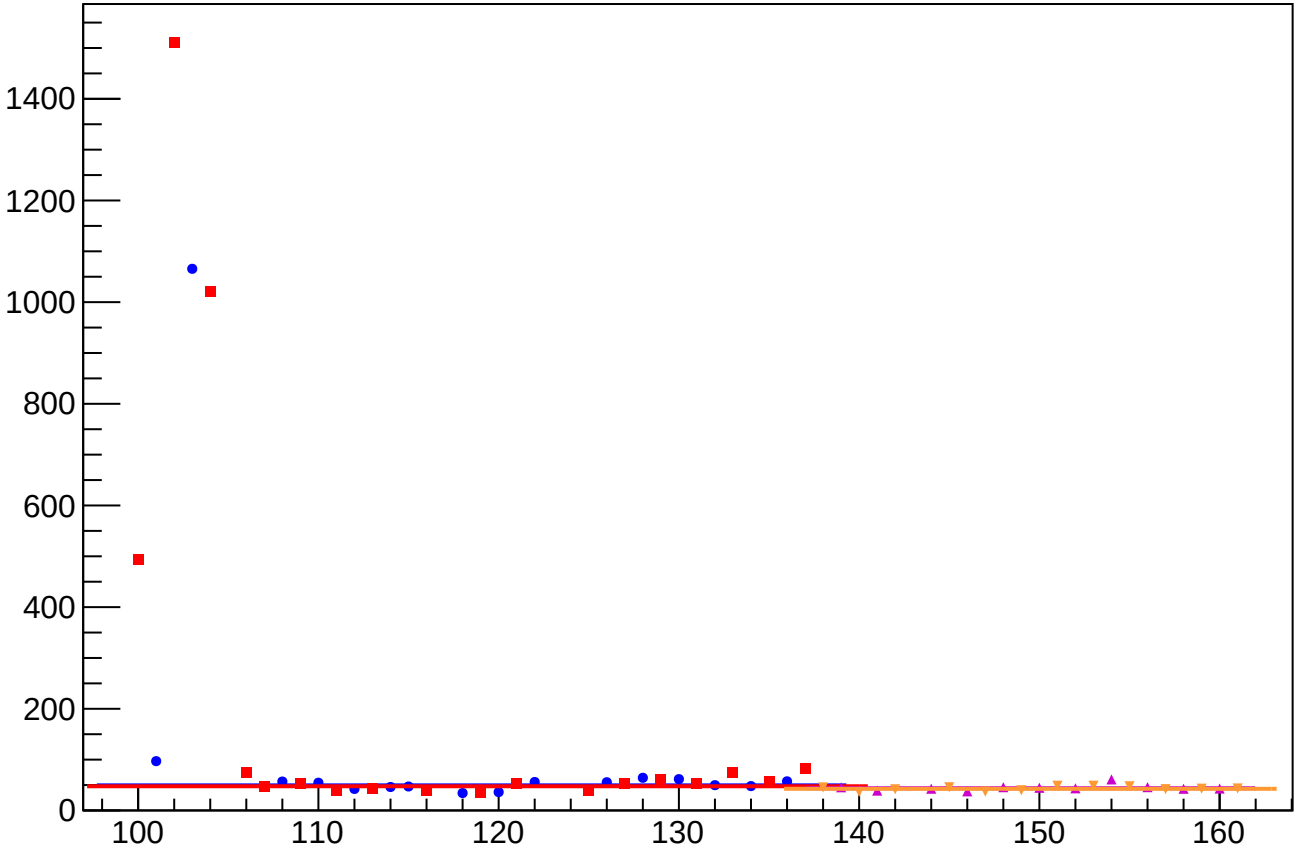
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.002+/-0.012 χ^2/NDF:40.1/29

All: 0.003+/-0.009 χ^2/NDF: 67.0/56

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.609+/-0.011 χ^2/NDF:151759.9/11

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.699+/-0.011 χ^2/NDF:200246.3/10

Left: 43.149+/-0.008 χ^2/NDF: 357220.3/22

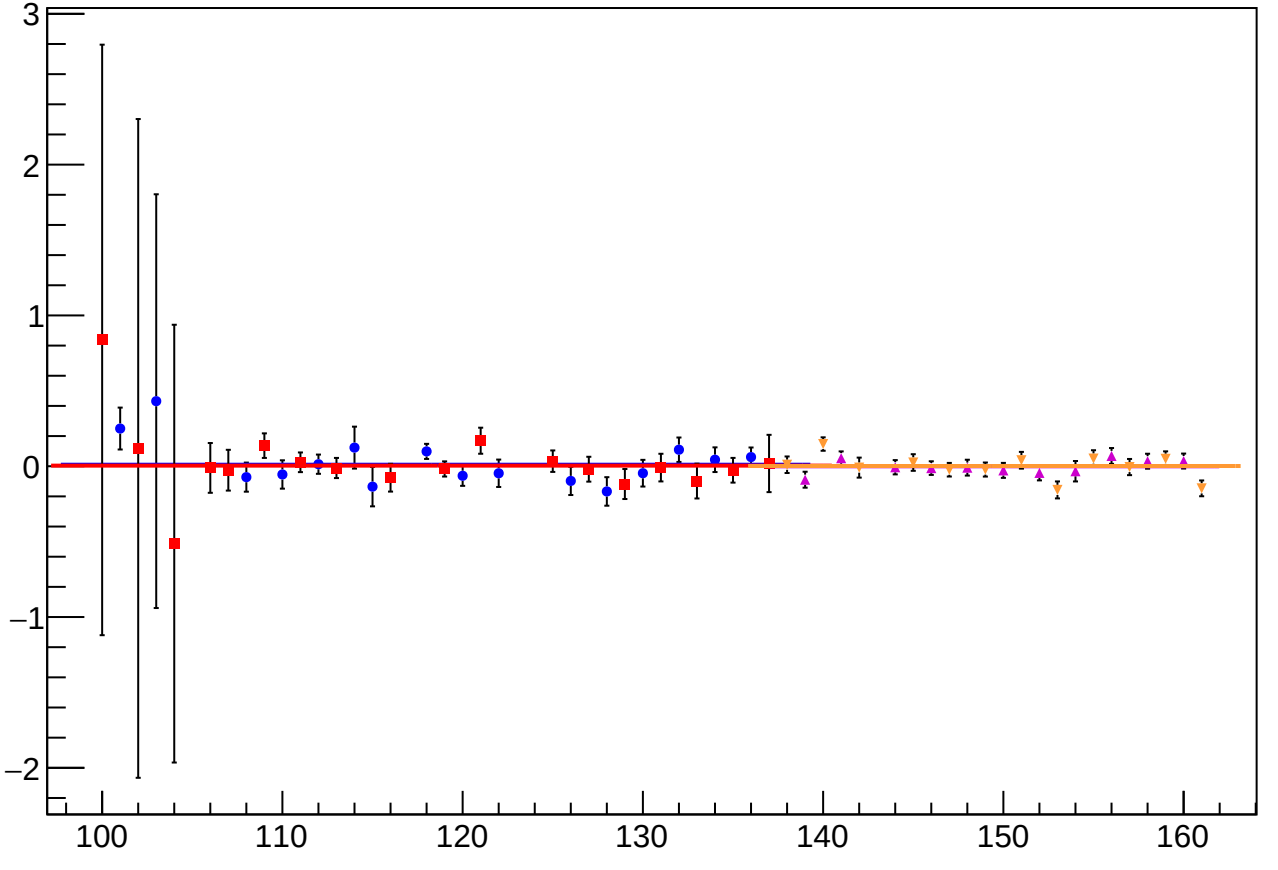
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.636+/-0.009 χ^2/NDF:2072029.2/26

Out: 44.248+/-0.009 χ^2/NDF:2642409.0/29

All: 44.944+/-0.006 χ^2/NDF: 4727173.8/56

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: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.000+/-0.015 χ^2/NDF:8.3/10

Left: 0.000+/-0.011 χ^2/NDF: 37.9/22

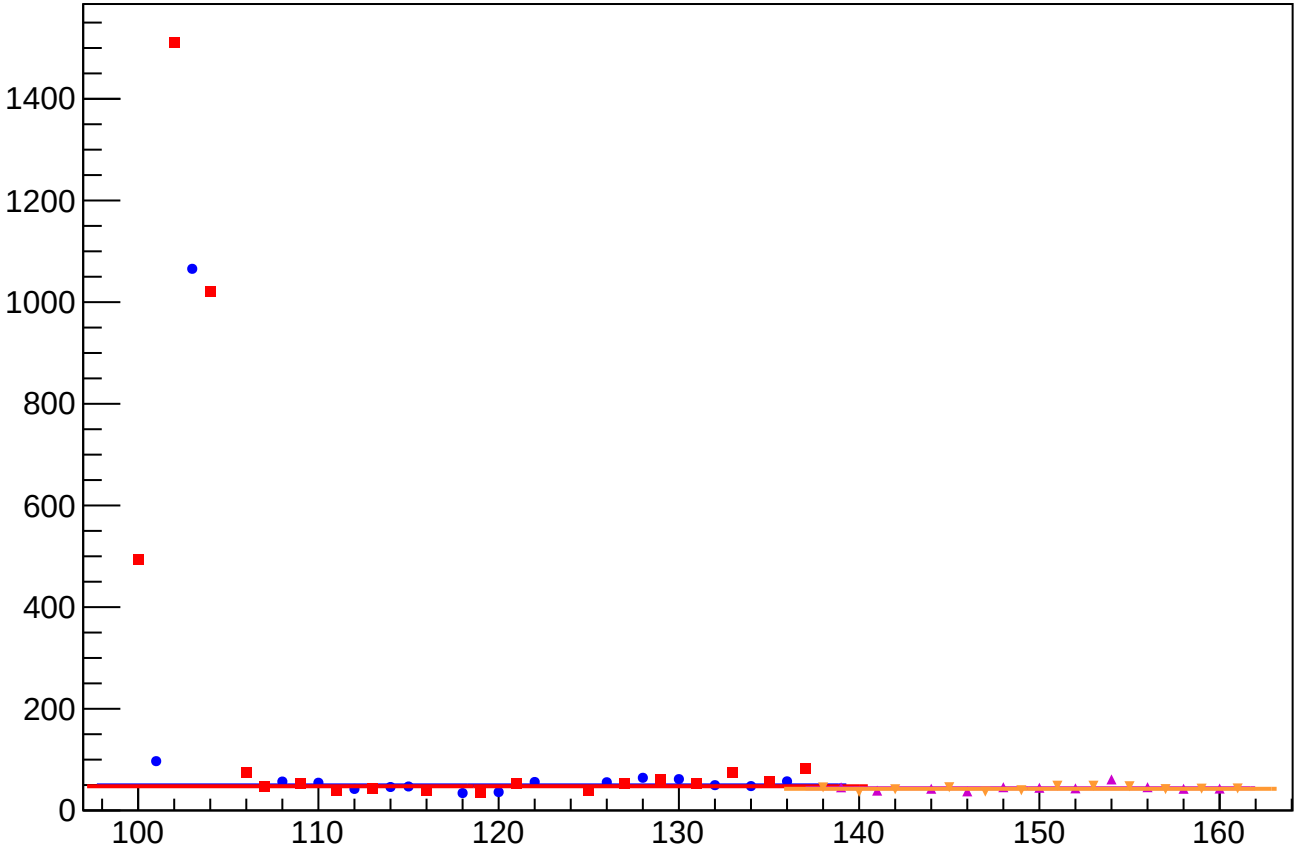
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/26

Out: 0.002+/-0.012 χ^2/NDF:40.1/29

All: 0.003+/-0.009 χ^2/NDF: 67.0/56

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.609+/-0.011 χ^2/NDF:151759.9/11

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.699+/-0.011 χ^2/NDF:200246.3/10

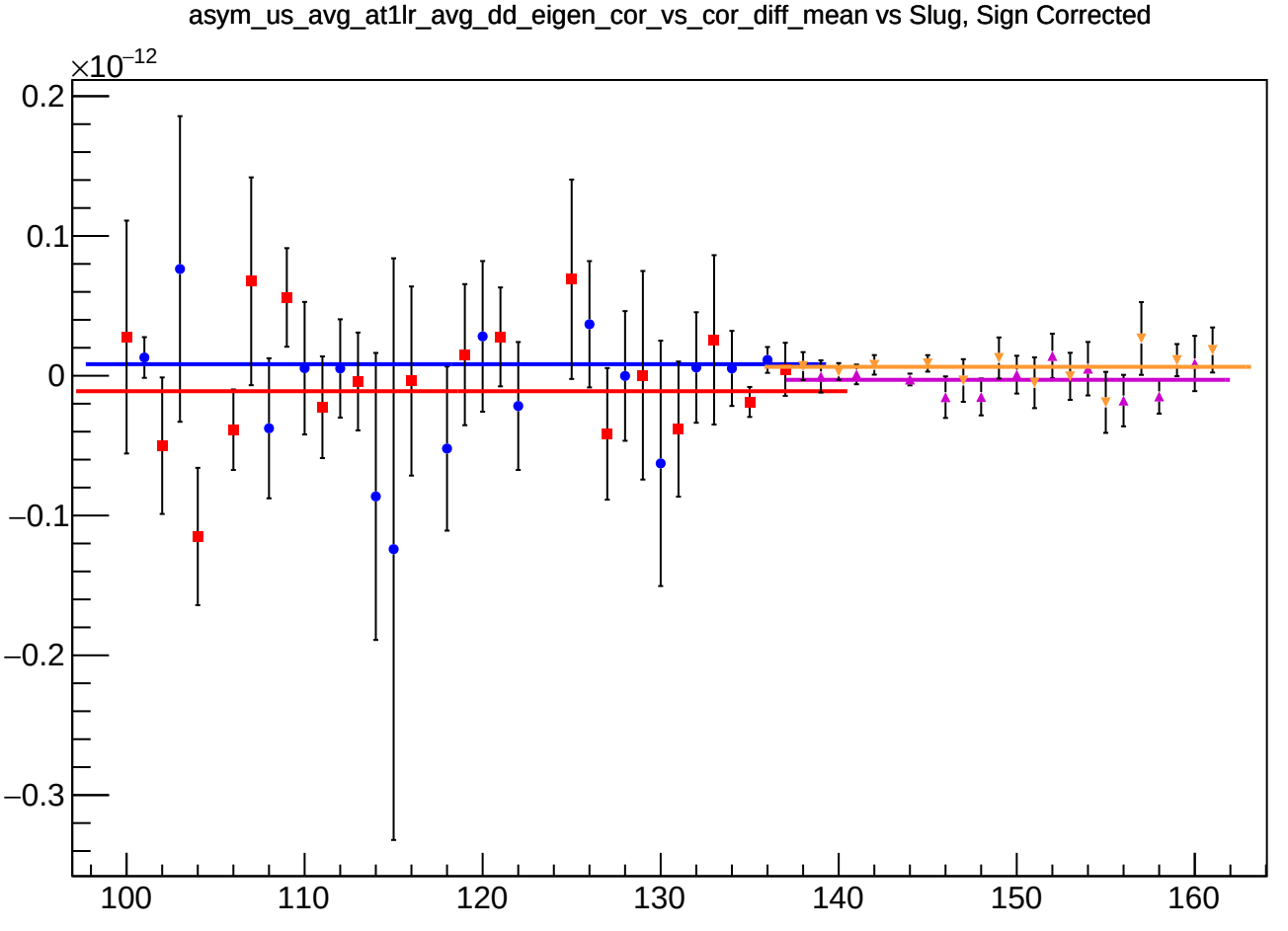
Left: 43.149+/-0.008 χ^2/NDF: 357220.3/22

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.636+/-0.009 χ^2/NDF:2072029.2/26

Out: 44.248+/-0.009 χ^2/NDF:2642409.0/29

All: 44.944+/-0.006 χ^2/NDF: 4727173.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/10

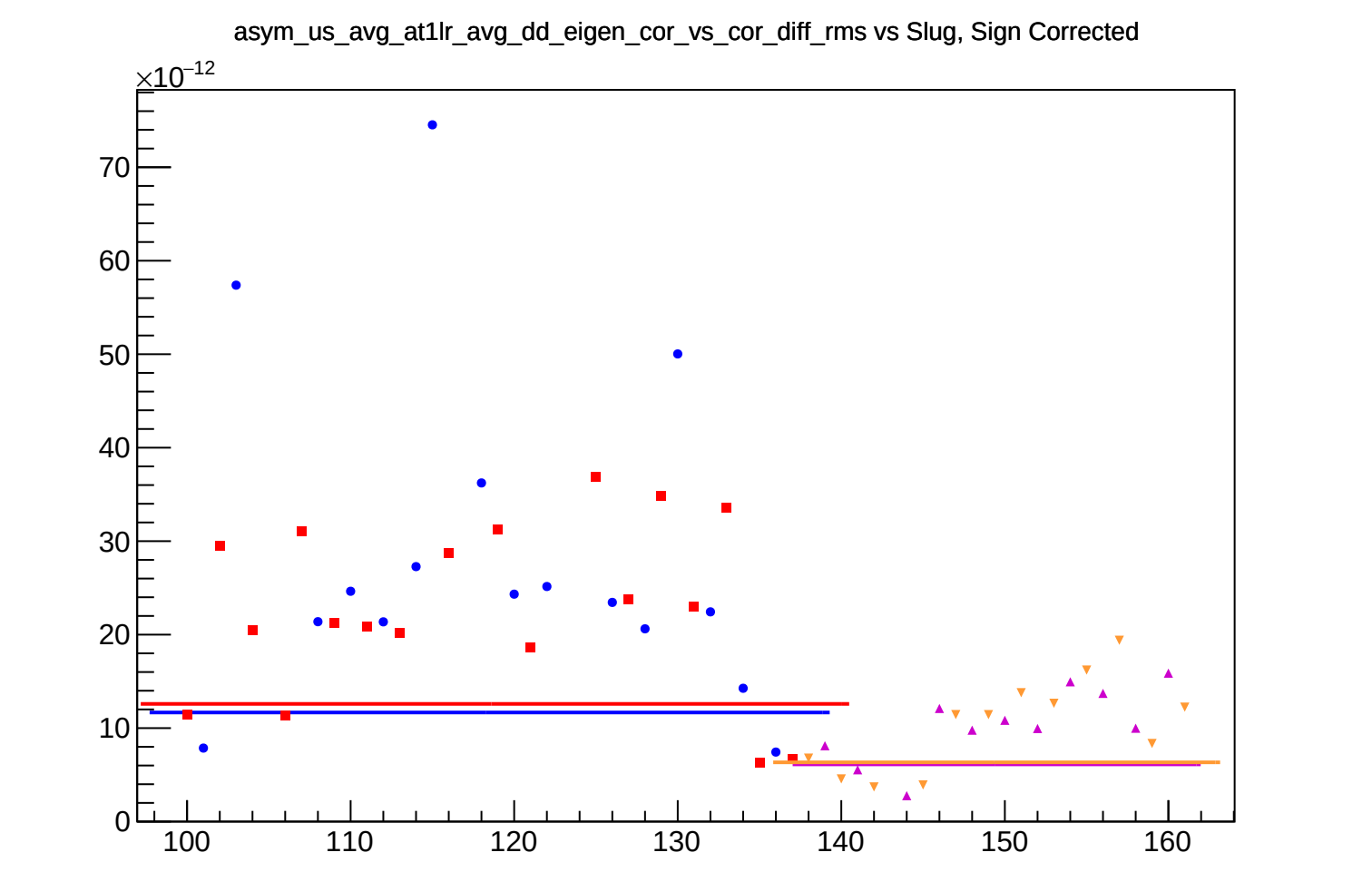
Left: 0.000+/-0.000 χ^2/NDF: 14.7/22

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:13.0/26

Out: 0.000+/-0.000 χ^2/NDF:25.6/29

All: 0.000+/-0.000 χ^2/NDF: 40.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3124869.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3626549.5/10

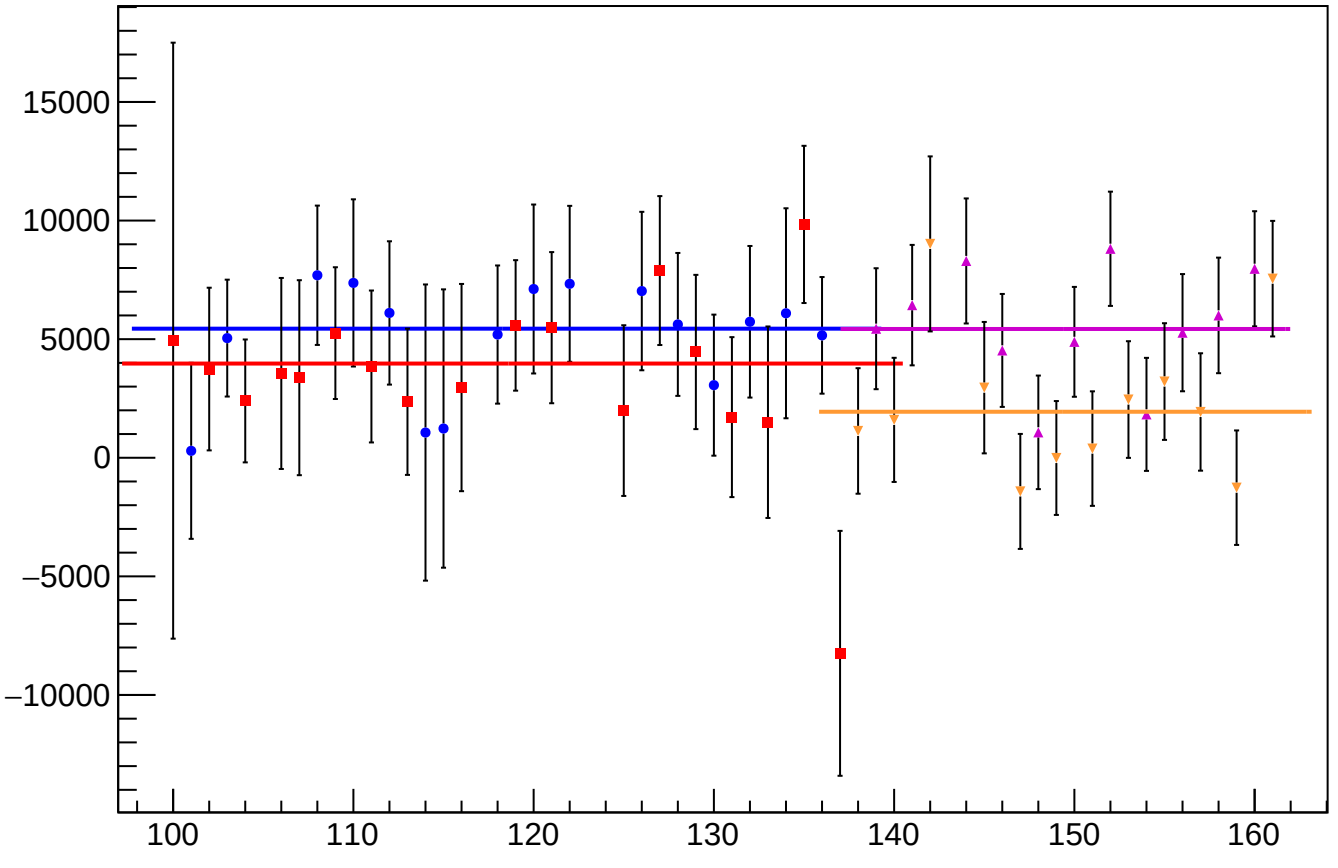
Left: 0.000+/-0.000 χ^2/NDF: 6756997.6/22

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:7697108.2/26

Out: 0.000+/-0.000 χ^2/NDF:7335700.1/29

All: 0.000+/-0.000 χ^2/NDF: 15038777.4/56



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.860+/-736.791 χ^2/NDF:14.3/11

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5429.408+/-737.060 χ^2/NDF:10.3/10

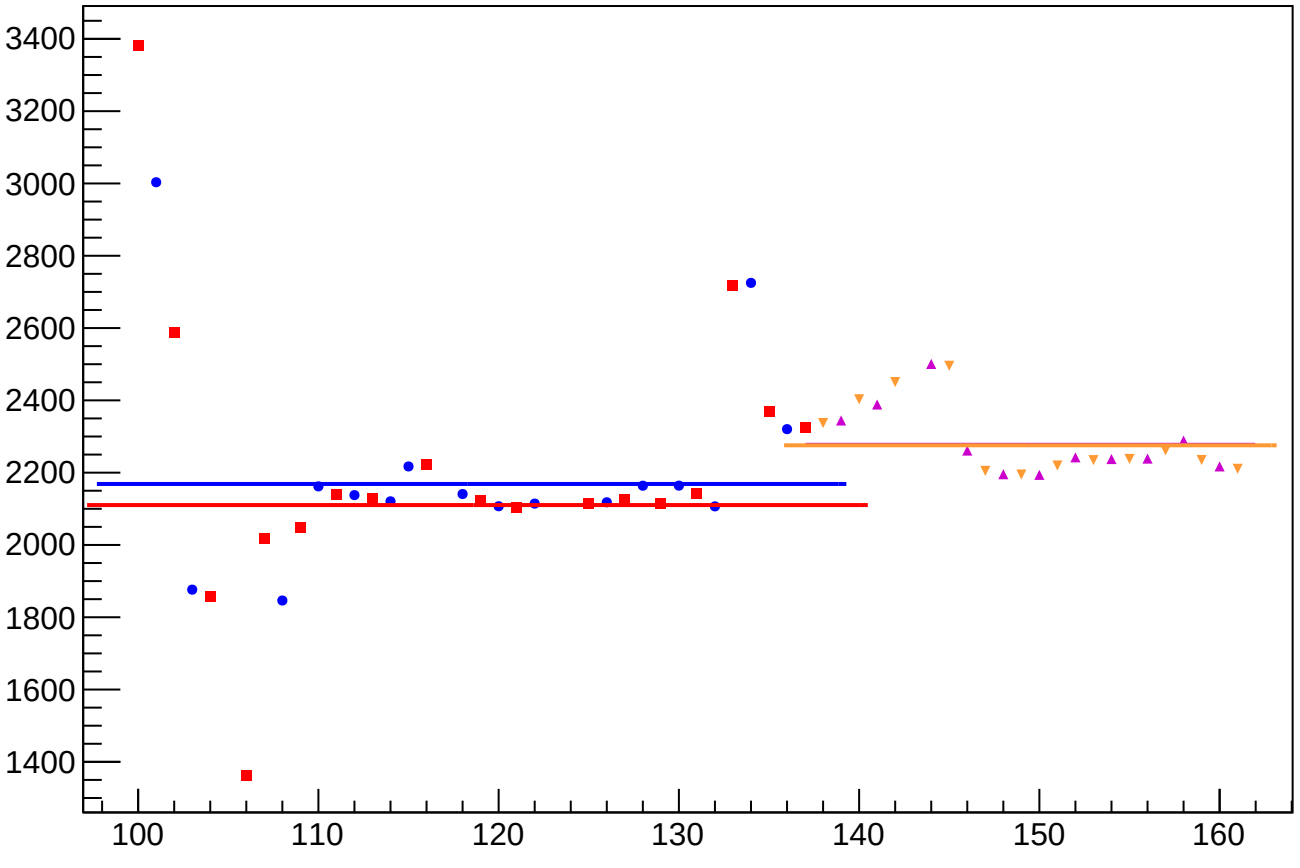
Left: 3683.997+/-521.085 χ^2/NDF: 35.8/22

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5435.244+/-545.917 χ^2/NDF:15.6/26

Out: 2861.057+/-544.740 χ^2/NDF:30.7/29

All: 4145.372+/-385.605 χ^2/NDF: 57.5/56



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2275.643+/-0.521 χ^2/NDF:31074.3/11

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

Left: 2276.351+/-0.368 χ^2/NDF: 58403.8/22

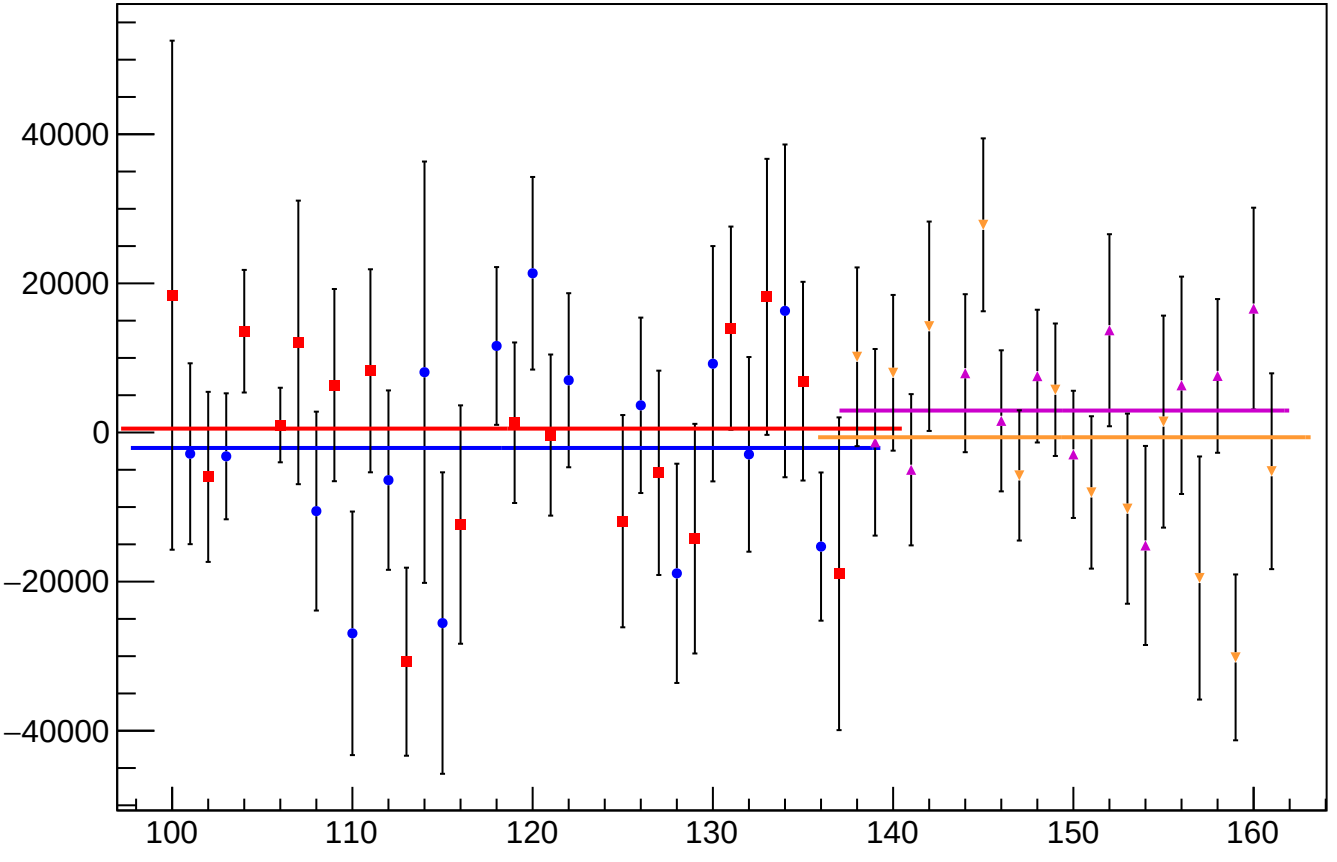
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.152+/-0.386 χ^2/NDF:242493.2/26

Out: 2199.396+/-0.382 χ^2/NDF:344915.1/29

All: 2213.638+/-0.272 χ^2/NDF: 590209.1/56

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: -638.237+/-3283.845 χ^2/NDF:19.1/11

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2943.604+/-3265.695 χ^2/NDF:5.5/10

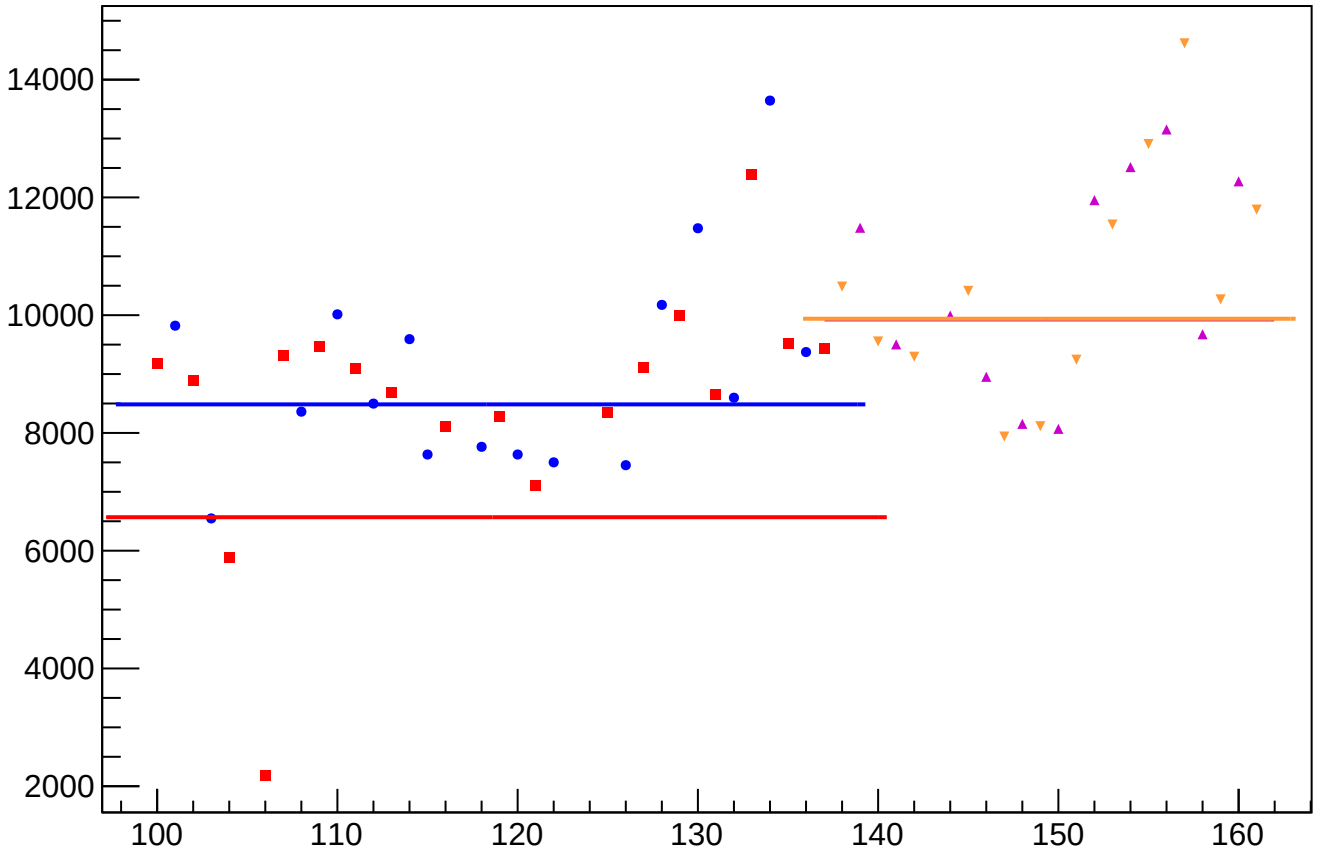
Left: 1162.610+/-2315.585 χ^2/NDF: 25.3/22

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 392.857+/-2290.008 χ^2/NDF:21.2/26

Out: 50.476+/-2092.723 χ^2/NDF:34.9/29

All: 206.286+/-1544.825 χ^2/NDF: 56.1/56



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9939.696+/-2.322 χ^2/NDF:537944.1/11

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9927.329+/-2.309 χ^2/NDF:513940.0/10

Left: 9933.478+/-1.637 χ^2/NDF: 1051898.4/22

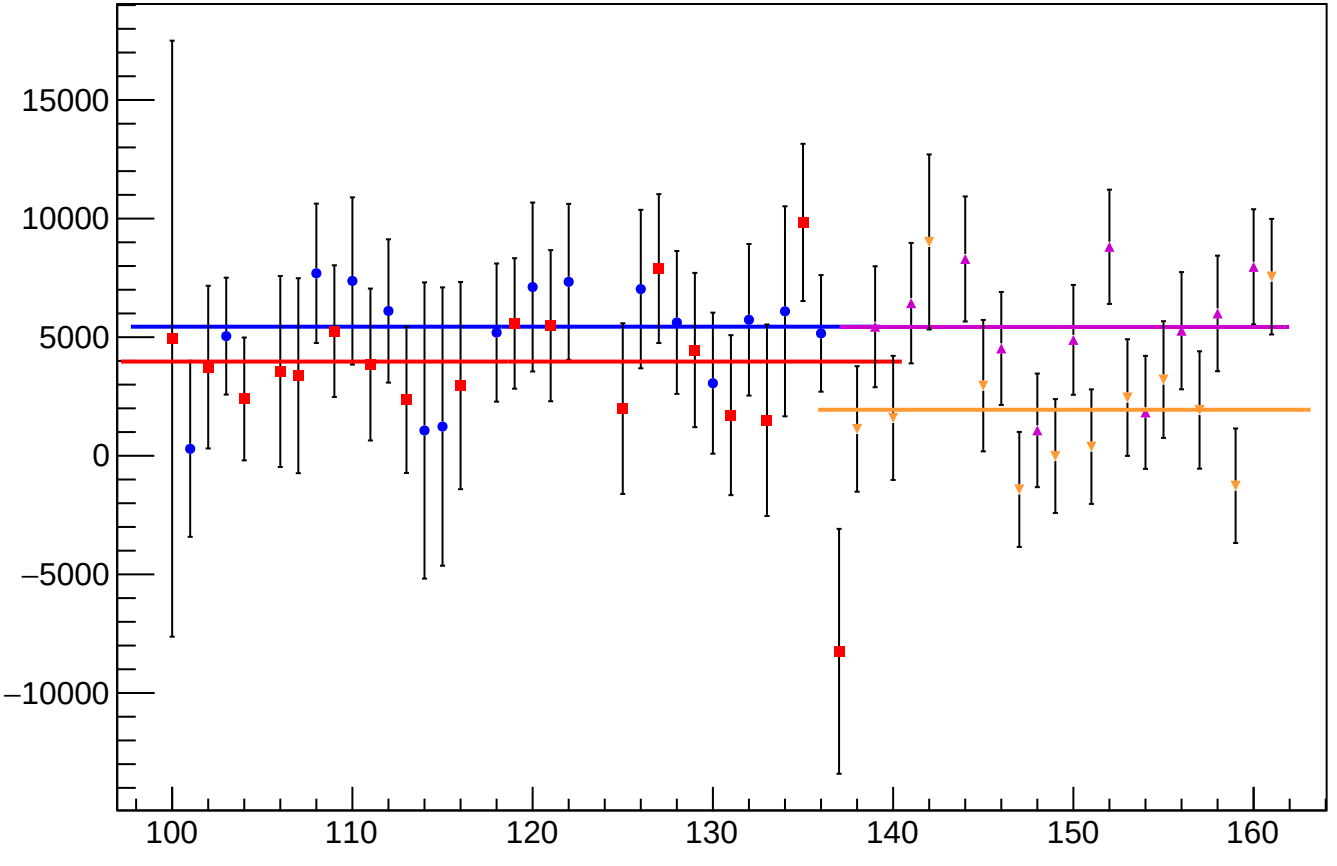
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9194.230+/-1.619 χ^2/NDF:1134938.5/26

Out: 7937.747+/-1.480 χ^2/NDF:4358456.5/29

All: 8509.543+/-1.092 χ^2/NDF: 5821493.9/56

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.746+/-736.791 χ^2/NDF:14.3/11

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5429.548+/-737.060 χ^2/NDF:10.3/10

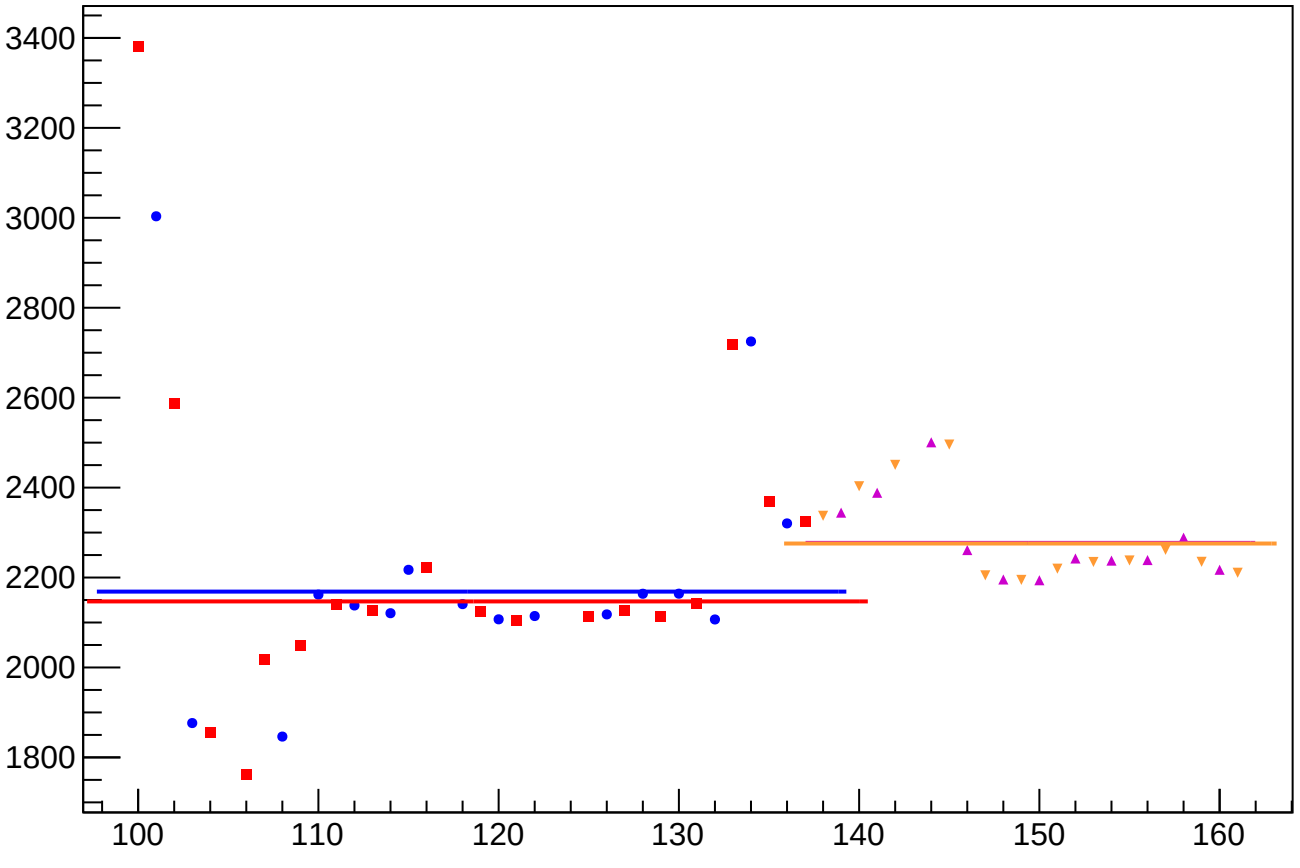
Left: 3684.010+/-521.085 χ^2/NDF: 35.8/22

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5435.385+/-545.917 χ^2/NDF:15.6/26

Out: 2860.877+/-544.740 χ^2/NDF:30.7/29

All: 4145.352+/-385.605 χ^2/NDF: 57.5/56



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2275.643+/-0.521 χ^2/NDF:31074.3/11

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

Left: 2276.351+/-0.368 χ^2/NDF: 58403.8/22

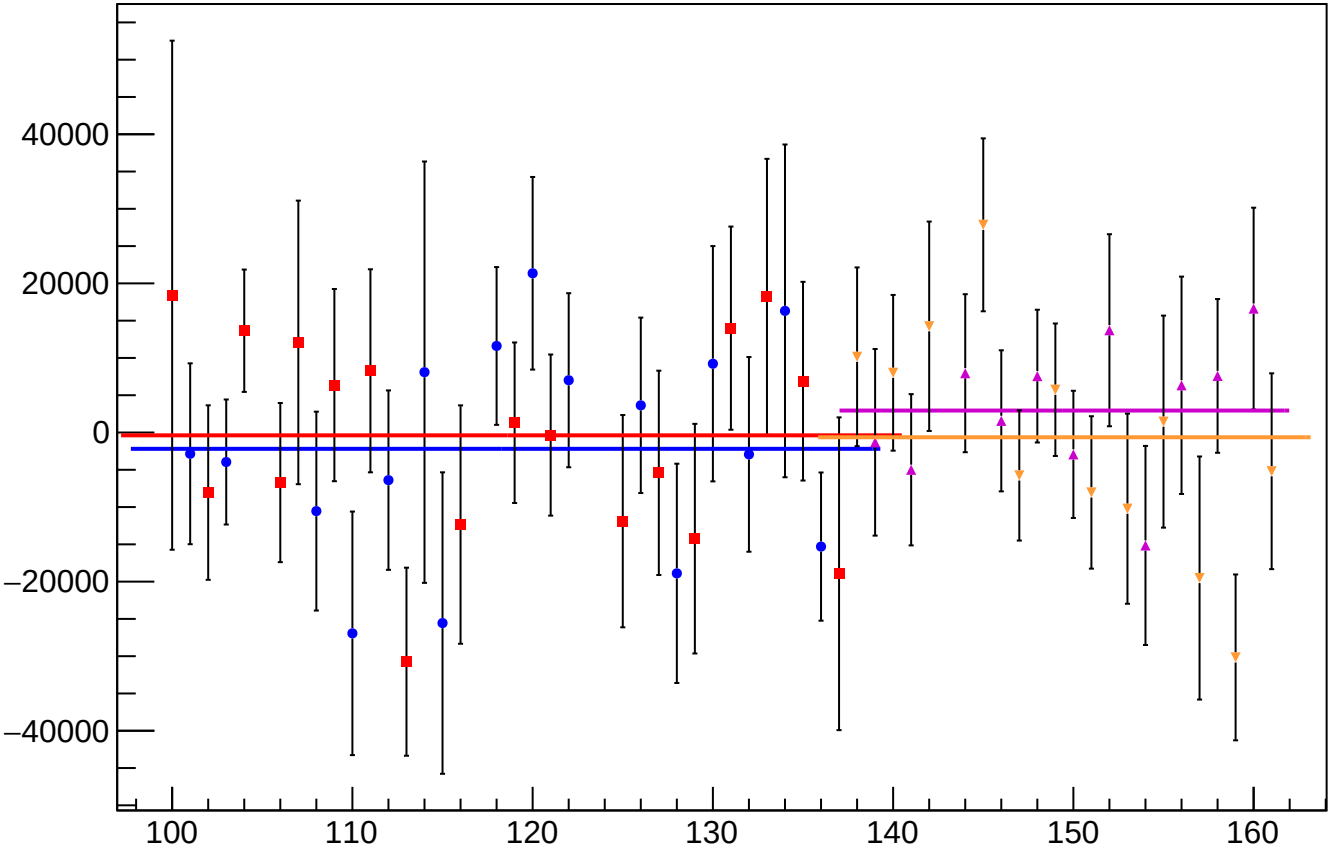
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.152+/-0.386 χ^2/NDF:242493.6/26

Out: 2216.951+/-0.384 χ^2/NDF:216666.0/29

All: 2222.527+/-0.272 χ^2/NDF: 459582.4/56

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: -638.295+/-3283.843 χ^2/NDF:19.1/11

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2943.827+/-3265.693 χ^2/NDF:5.5/10

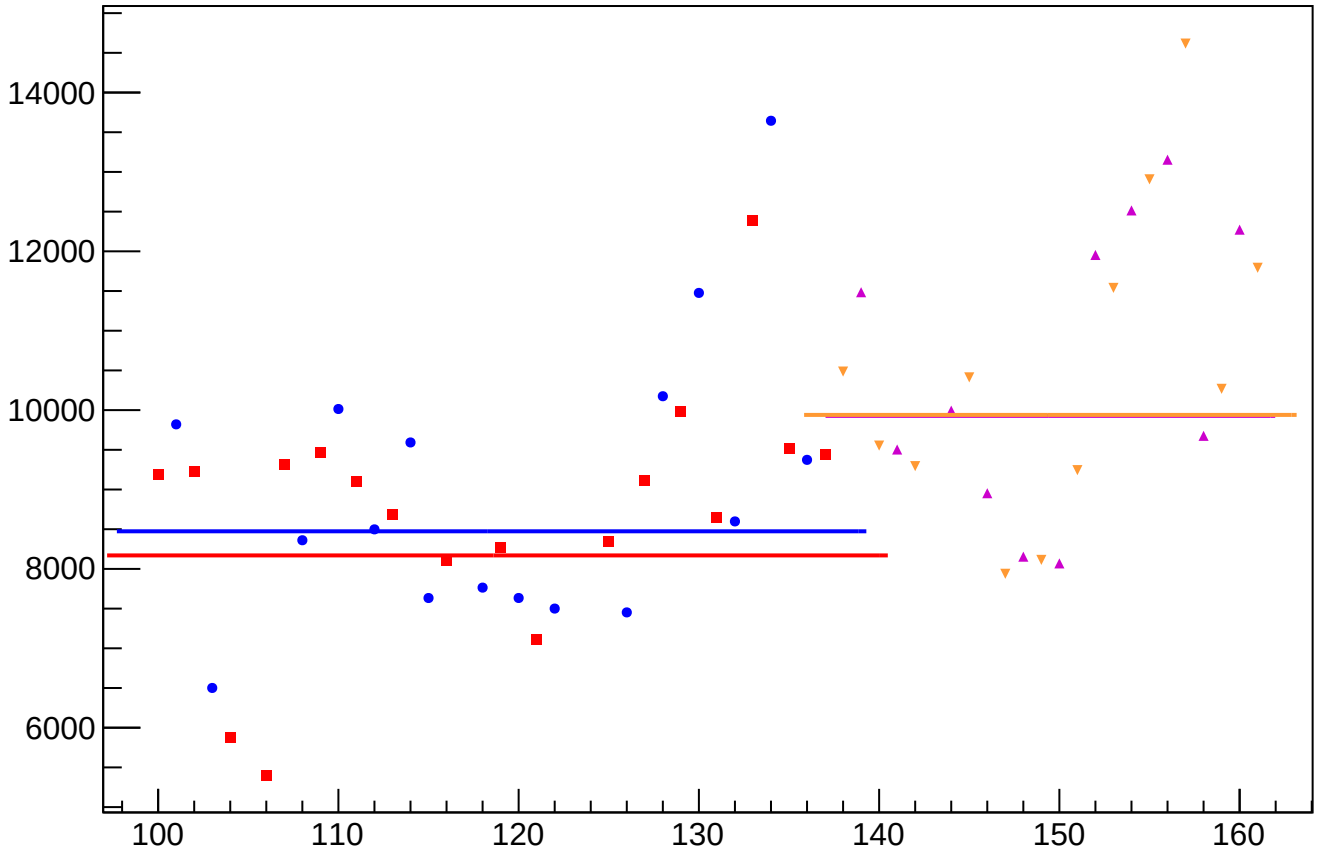
Left: 1162.692+/-2315.584 χ^2/NDF: 25.3/22

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 331.962+/-2288.714 χ^2/NDF:21.2/26

Out: -501.310+/-2254.205 χ^2/NDF:35.4/29

All: -91.003+/-1606.025 χ^2/NDF: 56.7/56



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9939.688+/-2.322 χ^2/NDF:537947.1/11

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9927.325+/-2.309 χ^2/NDF:513944.7/10

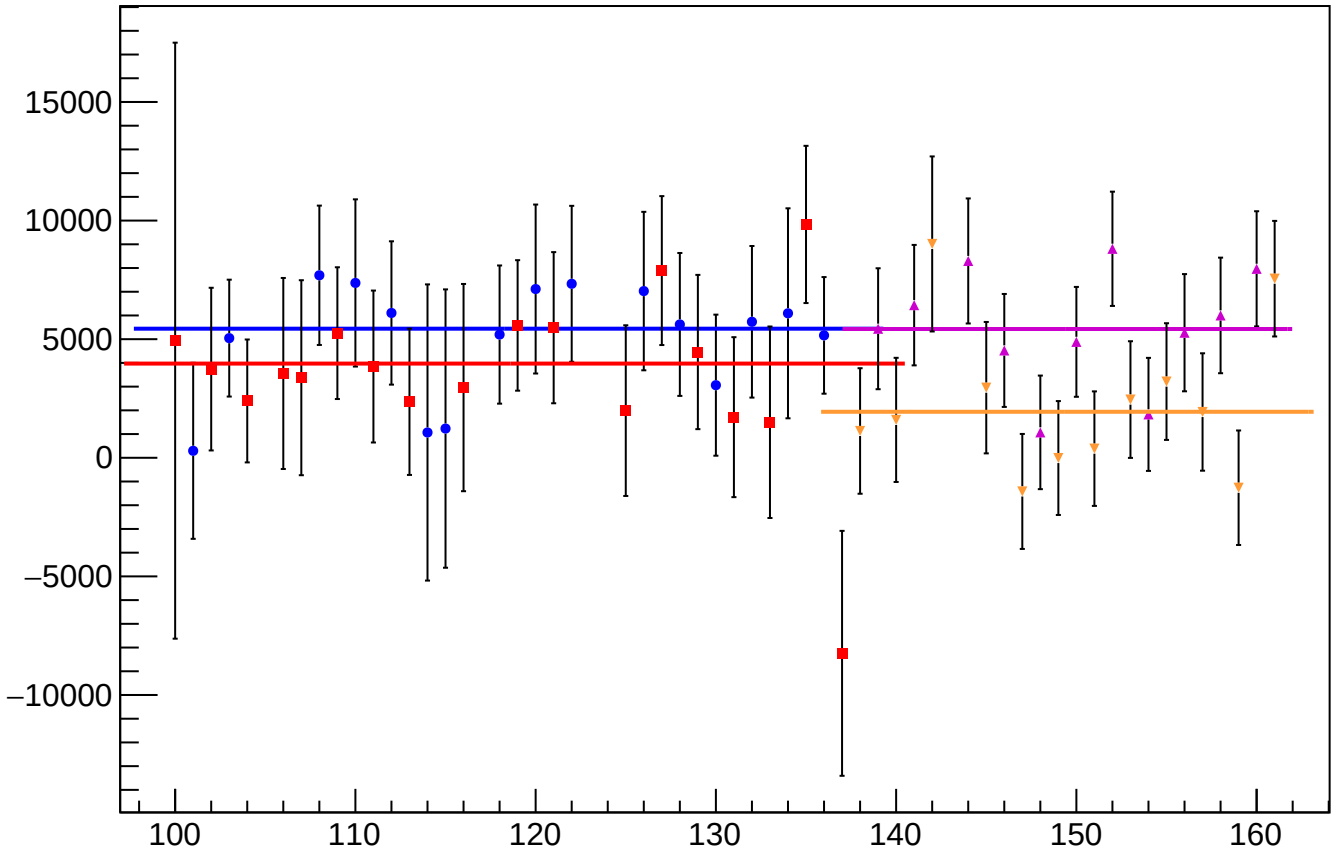
Left: 9933.473+/-1.637 χ^2/NDF: 1051906.0/22

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9187.699+/-1.618 χ^2/NDF:1145110.7/26

Out: 9003.924+/-1.594 χ^2/NDF:1385002.7/29

All: 9094.416+/-1.136 χ^2/NDF: 2536658.8/56



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.746+/-736.791 χ^2/NDF:14.3/11

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5429.548+/-737.060 χ^2/NDF:10.3/10

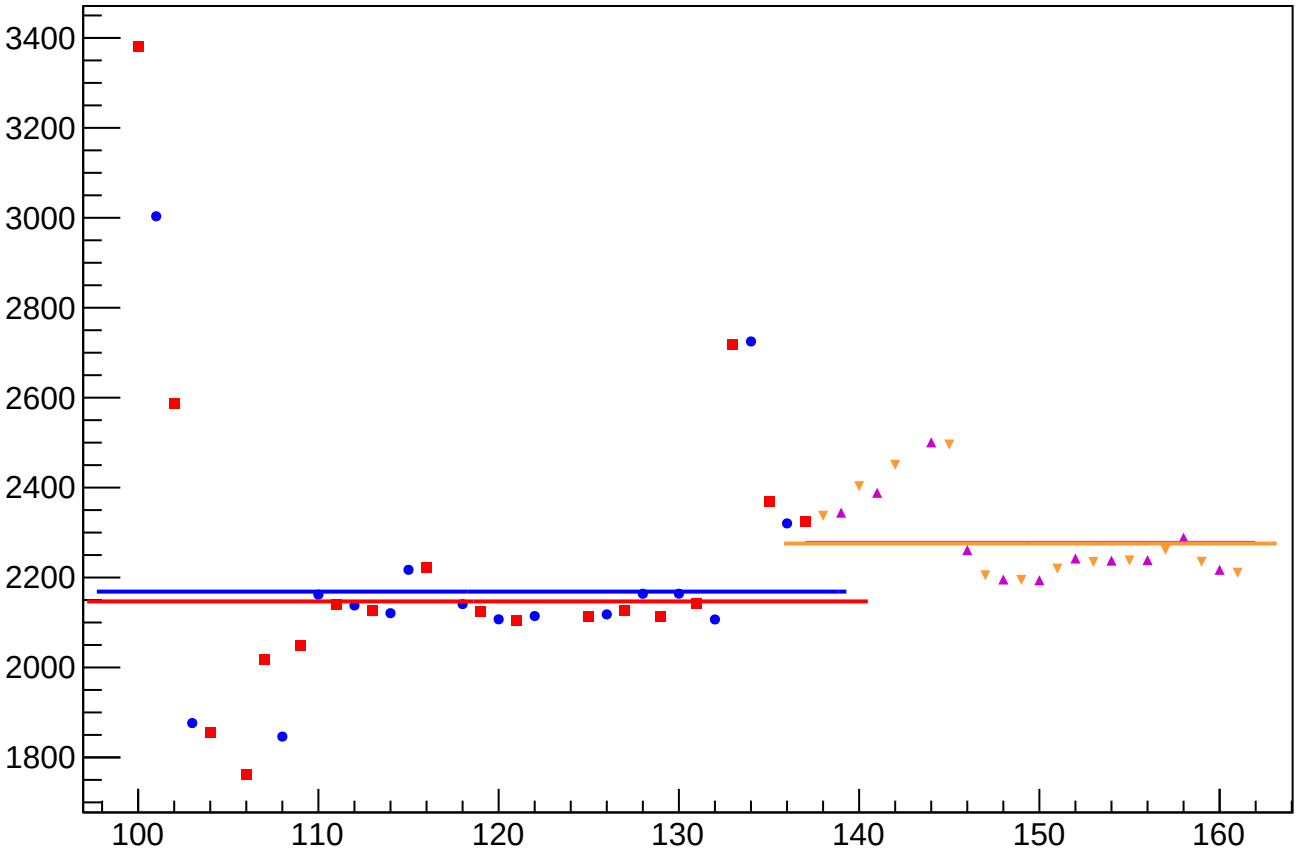
Left: 3684.010+/-521.085 χ^2/NDF: 35.8/22

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5435.385+/-545.917 χ^2/NDF:15.6/26

Out: 2860.877+/-544.740 χ^2/NDF:30.7/29

All: 4145.352+/-385.605 χ^2/NDF: 57.5/56



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2275.643+/-0.521 χ^2/NDF:31074.3/11

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

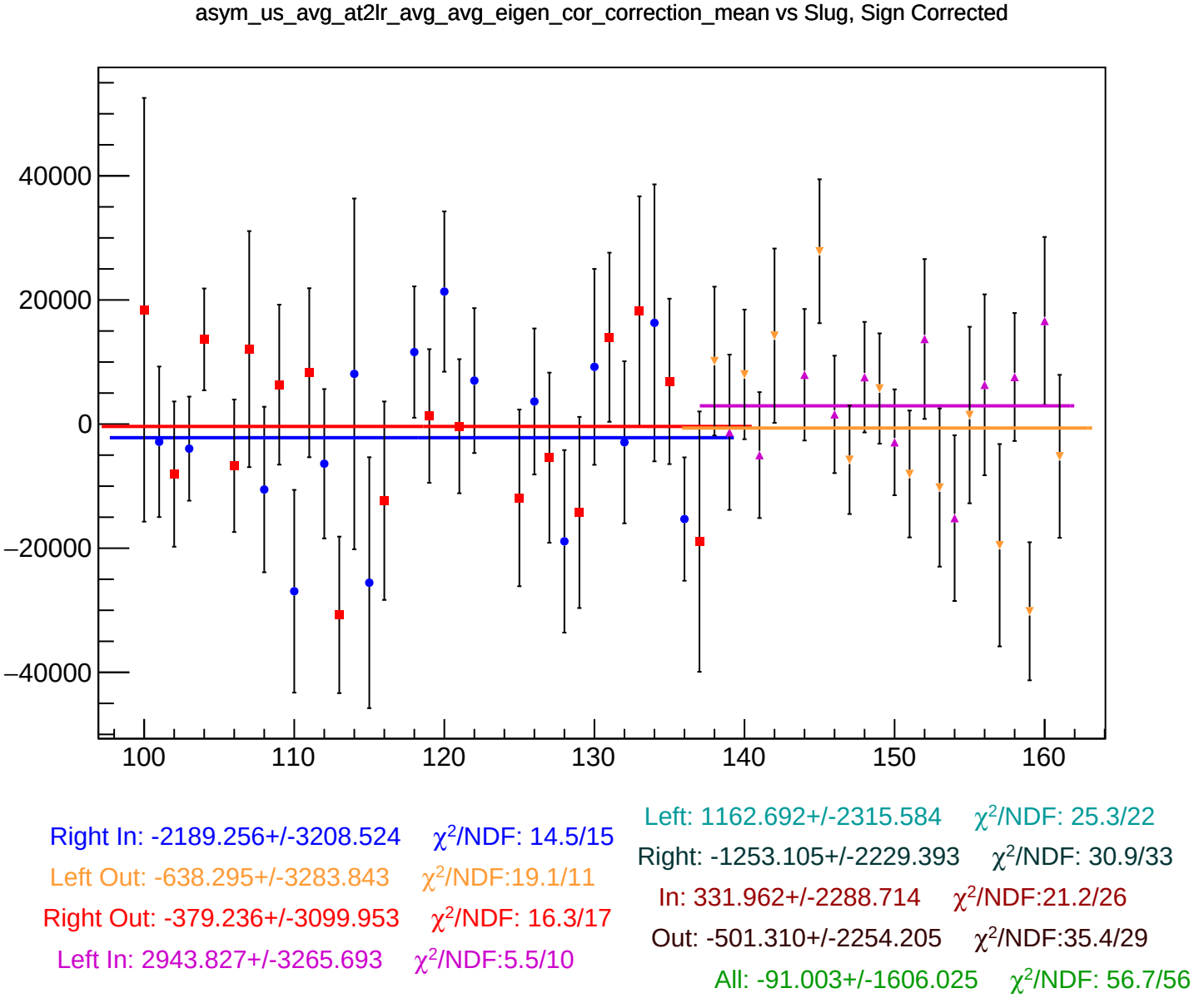
Left: 2276.351+/-0.368 χ^2/NDF: 58403.8/22

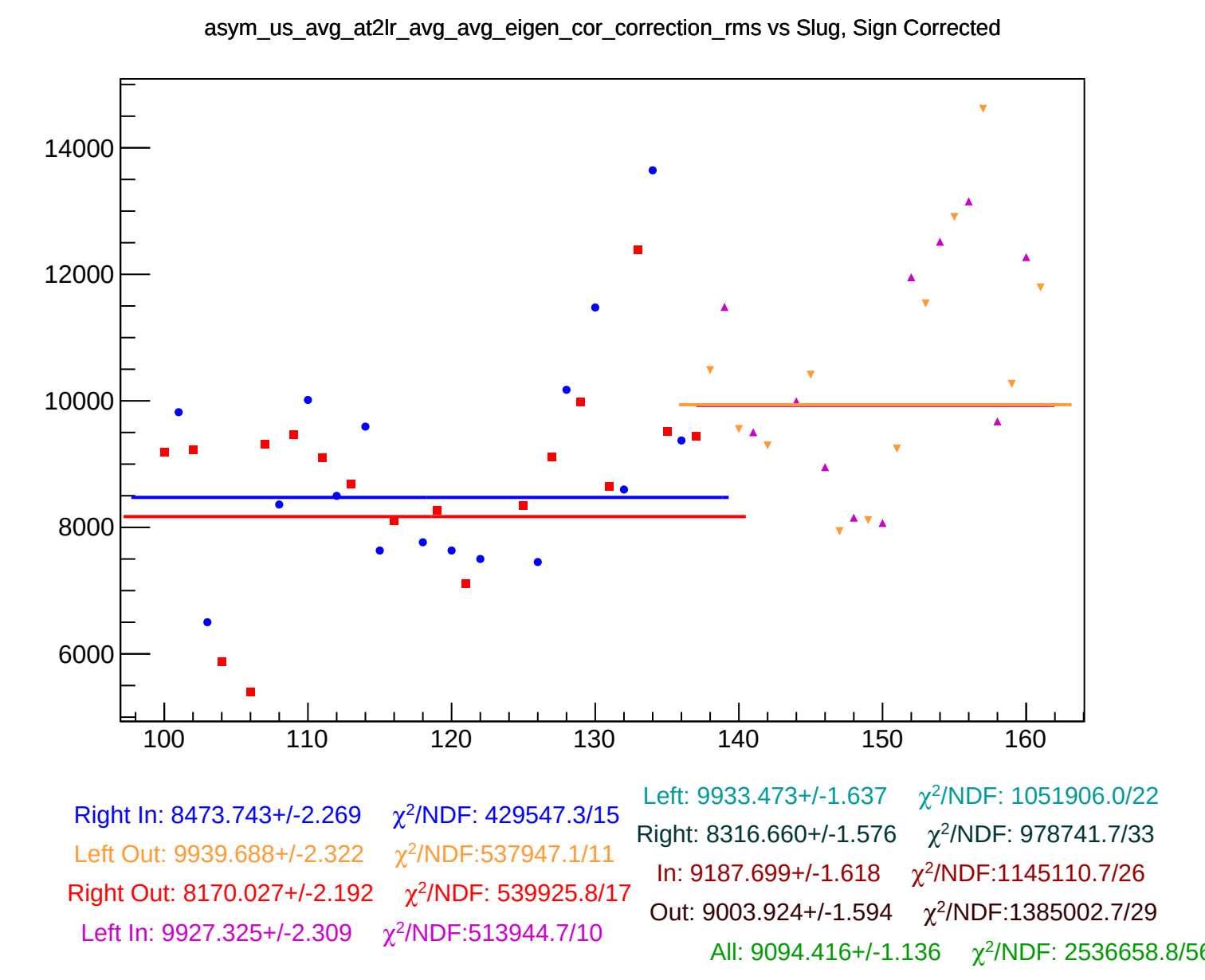
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

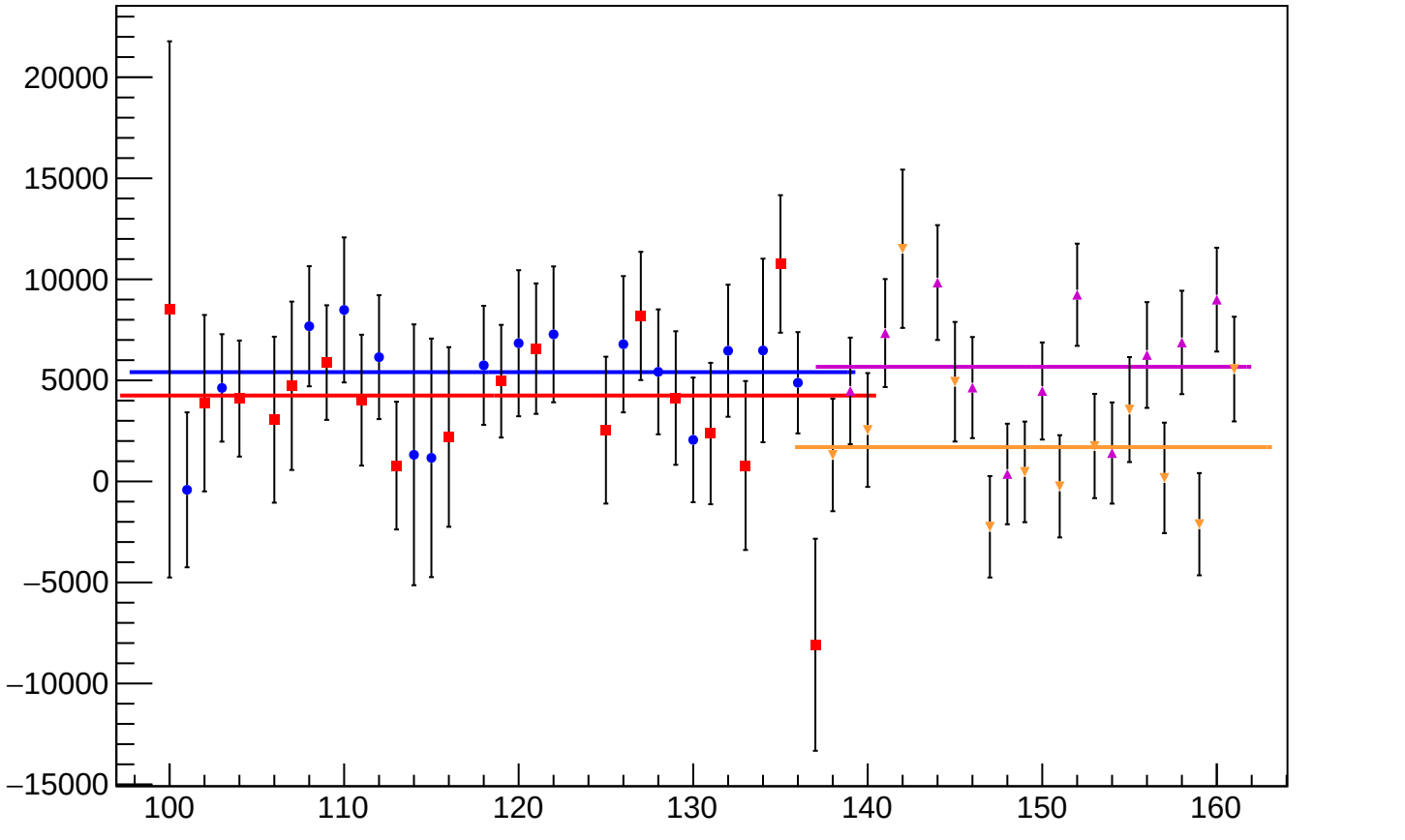
In: 2228.152+/-0.386 χ^2/NDF:242493.6/26

Out: 2216.951+/-0.384 χ^2/NDF:216666.0/29

All: 2222.527+/-0.272 χ^2/NDF: 459582.4/56


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -638.295+/-3283.843 χ²/NDF:19.1/11
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2943.827+/-3265.693 χ²/NDF:5.5/10
Left: 1162.692+/-2315.584 χ²/NDF: 25.3/22
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 331.962+/-2288.714 χ²/NDF:21.2/26
Out: -501.310+/-2254.205 χ²/NDF:35.4/29
All: -91.003+/-1606.025 χ²/NDF: 56.7/56


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 9939.688+/-2.322 χ²/NDF:537947.1/11
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 9927.325+/-2.309 χ²/NDF:513944.7/10
Left: 9933.473+/-1.637 χ²/NDF: 1051906.0/22
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9187.699+/-1.618 χ²/NDF:1145110.7/26
Out: 9003.924+/-1.594 χ²/NDF:1385002.7/29
All: 9094.416+/-1.136 χ²/NDF: 2536658.8/56



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1696.478+/-778.973 χ^2/NDF:16.2/11

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5672.180+/-774.317 χ^2/NDF:14.5/10

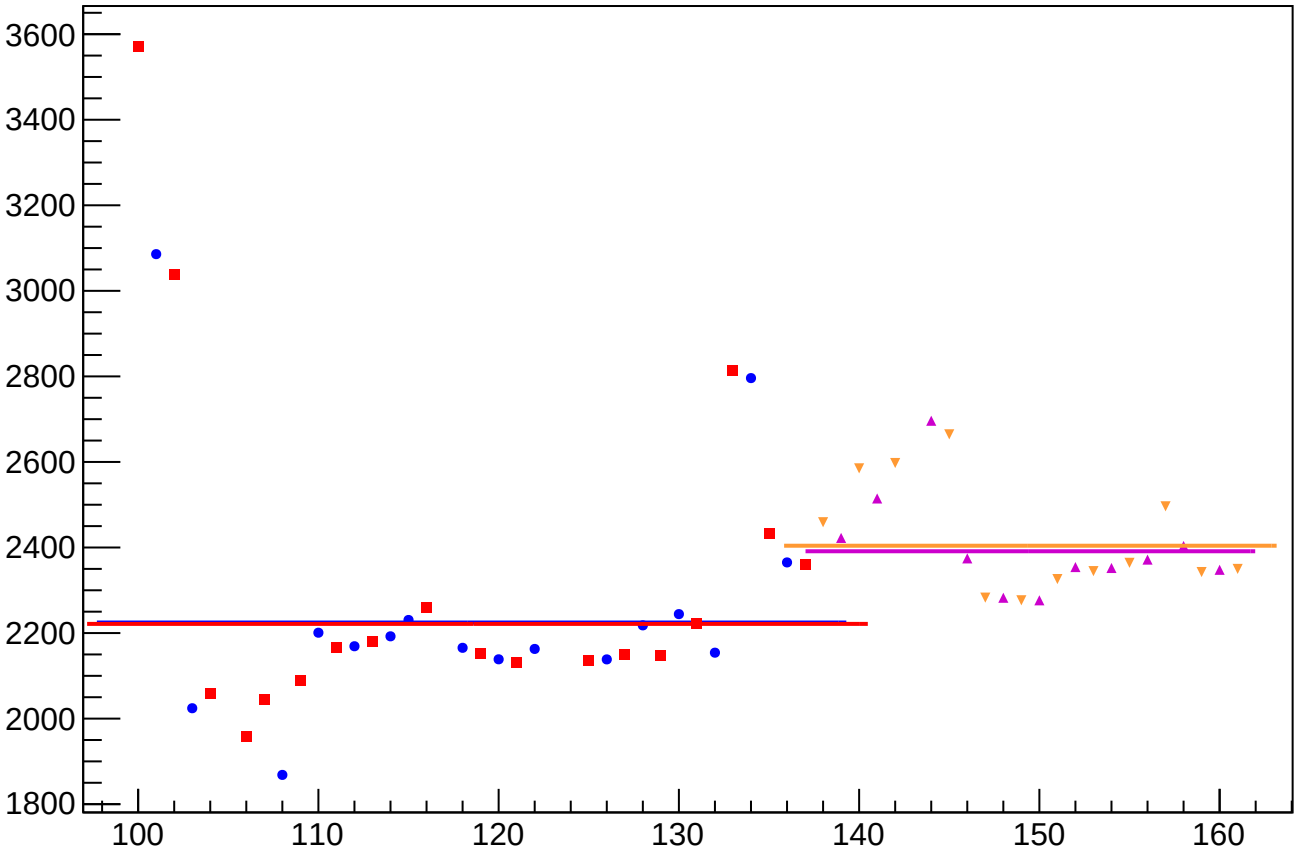
Left: 3696.246+/-549.164 χ^2/NDF: 43.8/22

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5549.770+/-567.354 χ^2/NDF:21.3/26

Out: 2878.079+/-570.965 χ^2/NDF:35.6/29

All: 4222.400+/-402.451 χ^2/NDF: 68.0/56



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2404.172+/-0.551 χ^2/NDF:47069.2/11

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.211+/-0.548 χ^2/NDF:37687.9/10

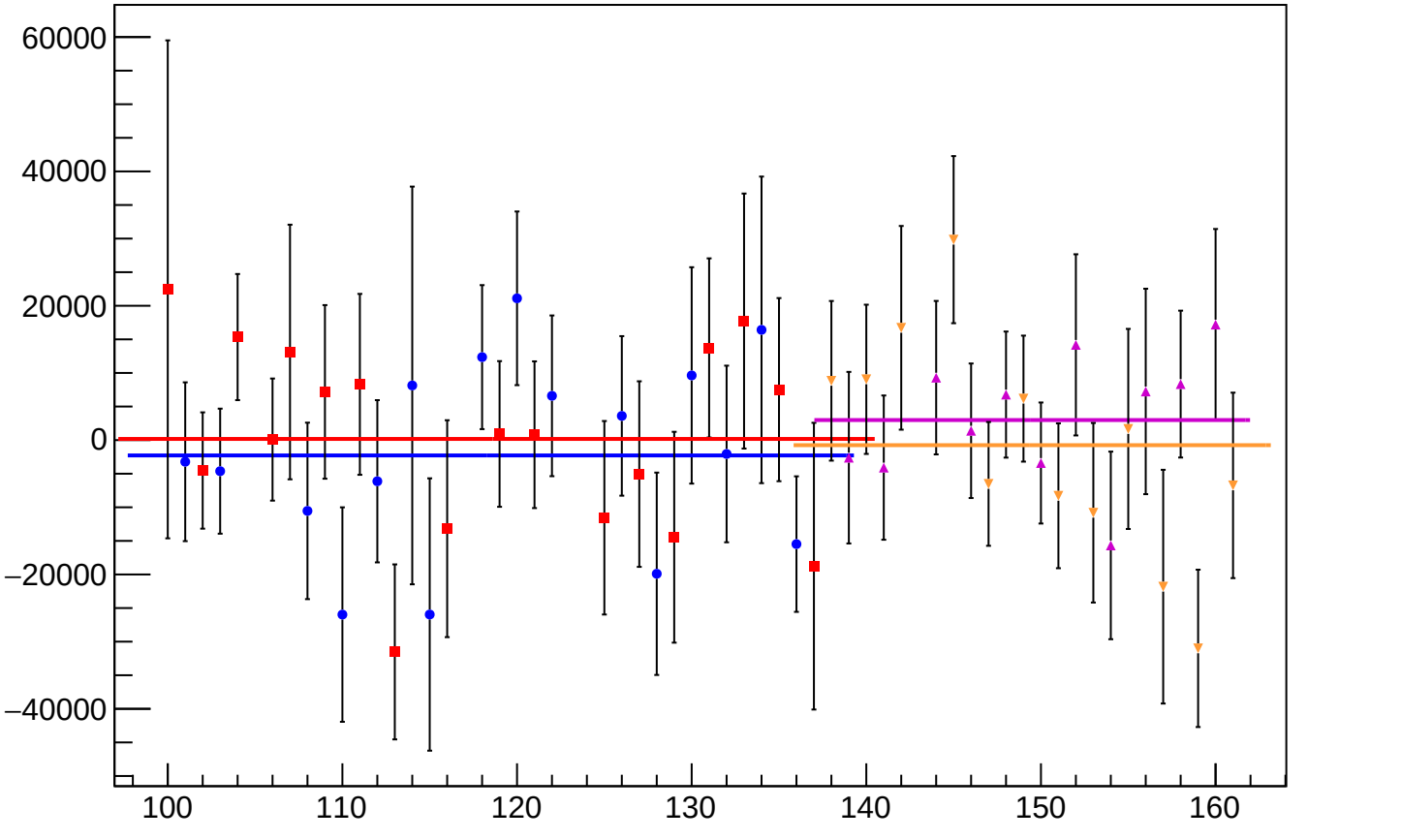
Left: 2397.653+/-0.388 χ^2/NDF: 85035.6/22

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

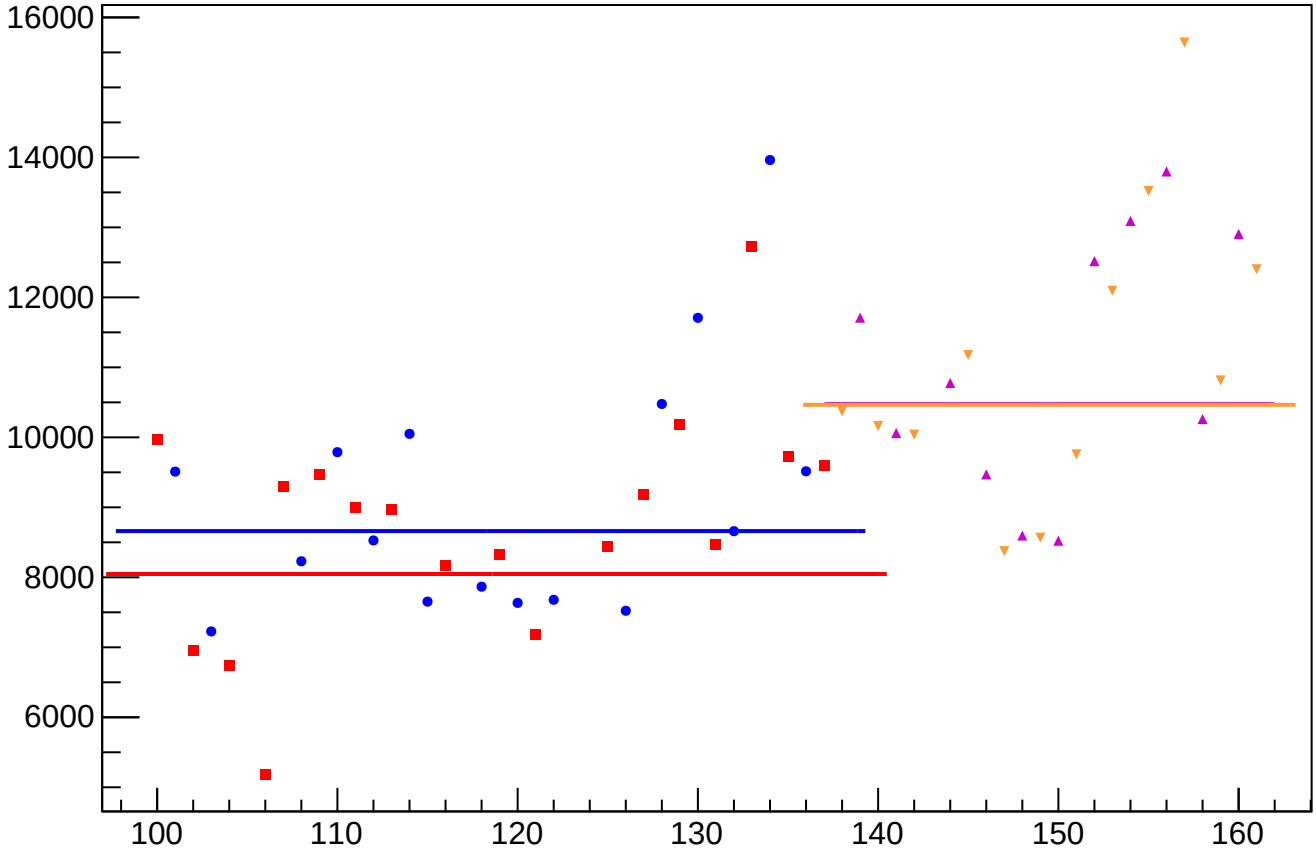
In: 2314.055+/-0.401 χ^2/NDF:265245.2/26

Out: 2319.550+/-0.404 χ^2/NDF:267984.2/29

All: 2316.786+/-0.285 χ^2/NDF: 533322.6/56


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: -751.379+/-3456.421 χ²/NDF:19.2/11
Right Out: 177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: 2987.391+/-3443.573 χ²/NDF:5.4/10
Left: 1124.968+/-2439.504 χ²/NDF: 25.2/22
Right: -958.805+/-2225.203 χ²/NDF: 30.4/33
In: 219.828+/-2371.894 χ²/NDF:21.1/26
Out: -227.212+/-2280.741 χ²/NDF:34.8/29
All: -12.447+/-1644.008 χ²/NDF: 56.0/56

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10465.012+/-2.444 χ^2/NDF:535414.5/11

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10475.271+/-2.435 χ^2/NDF:486973.3/10

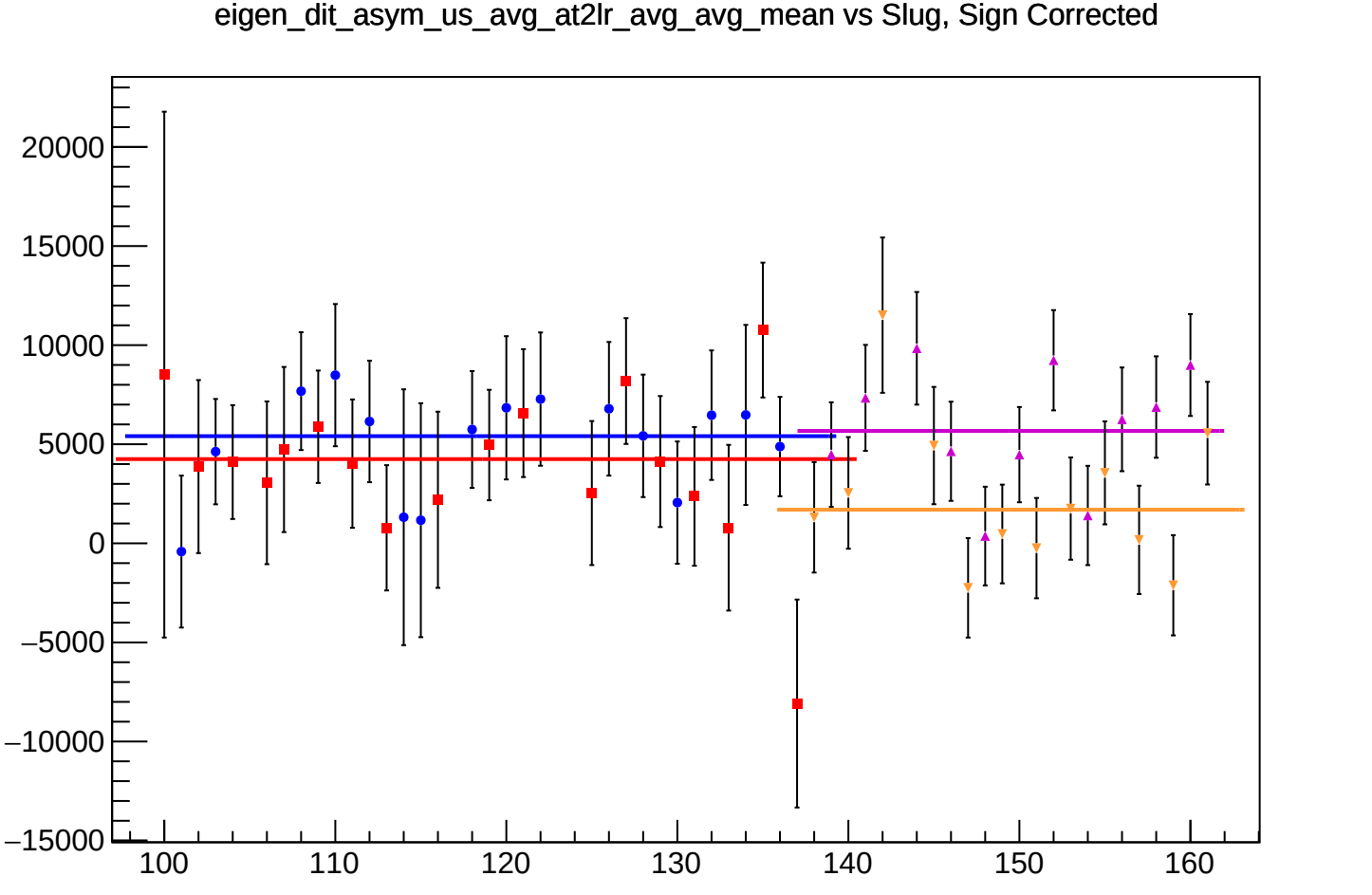
Left: 10470.161+/-1.725 χ^2/NDF: 1022396.6/22

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9521.604+/-1.677 χ^2/NDF:1136795.0/26

Out: 9100.087+/-1.613 χ^2/NDF:1646384.0/29

All: 9302.590+/-1.162 χ^2/NDF: 2815998.1/56



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1696.462+/-778.974 χ^2/NDF:16.2/11

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5672.182+/-774.318 χ^2/NDF:14.5/10

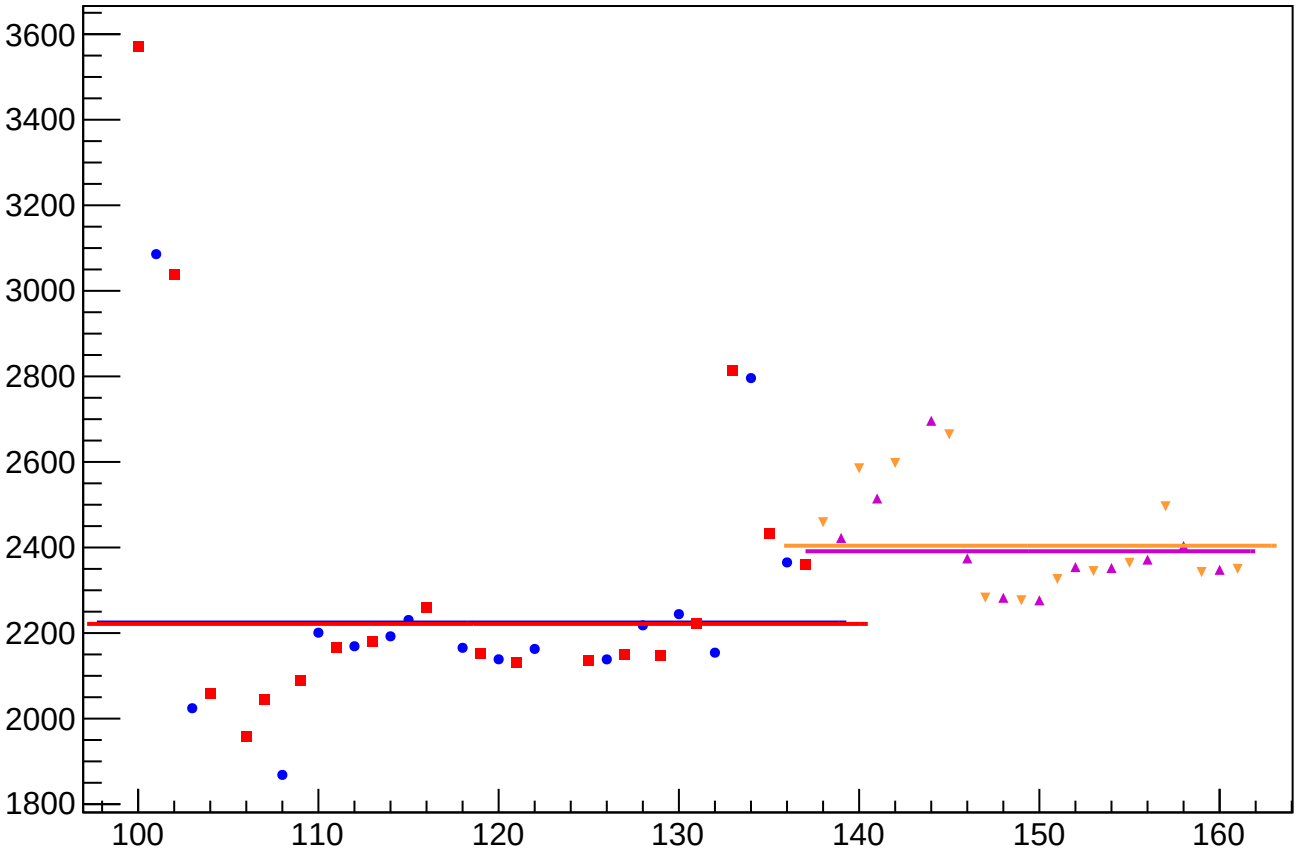
Left: 3696.239+/-549.164 χ^2/NDF: 43.8/22

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5549.771+/-567.355 χ^2/NDF:21.3/26

Out: 2878.074+/-570.966 χ^2/NDF:35.6/29

All: 4222.398+/-402.451 χ^2/NDF: 68.0/56



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2404.175+/-0.551 χ^2/NDF:47069.8/11

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.214+/-0.548 χ^2/NDF:37688.2/10

Left: 2397.656+/-0.388 χ^2/NDF: 85036.5/22

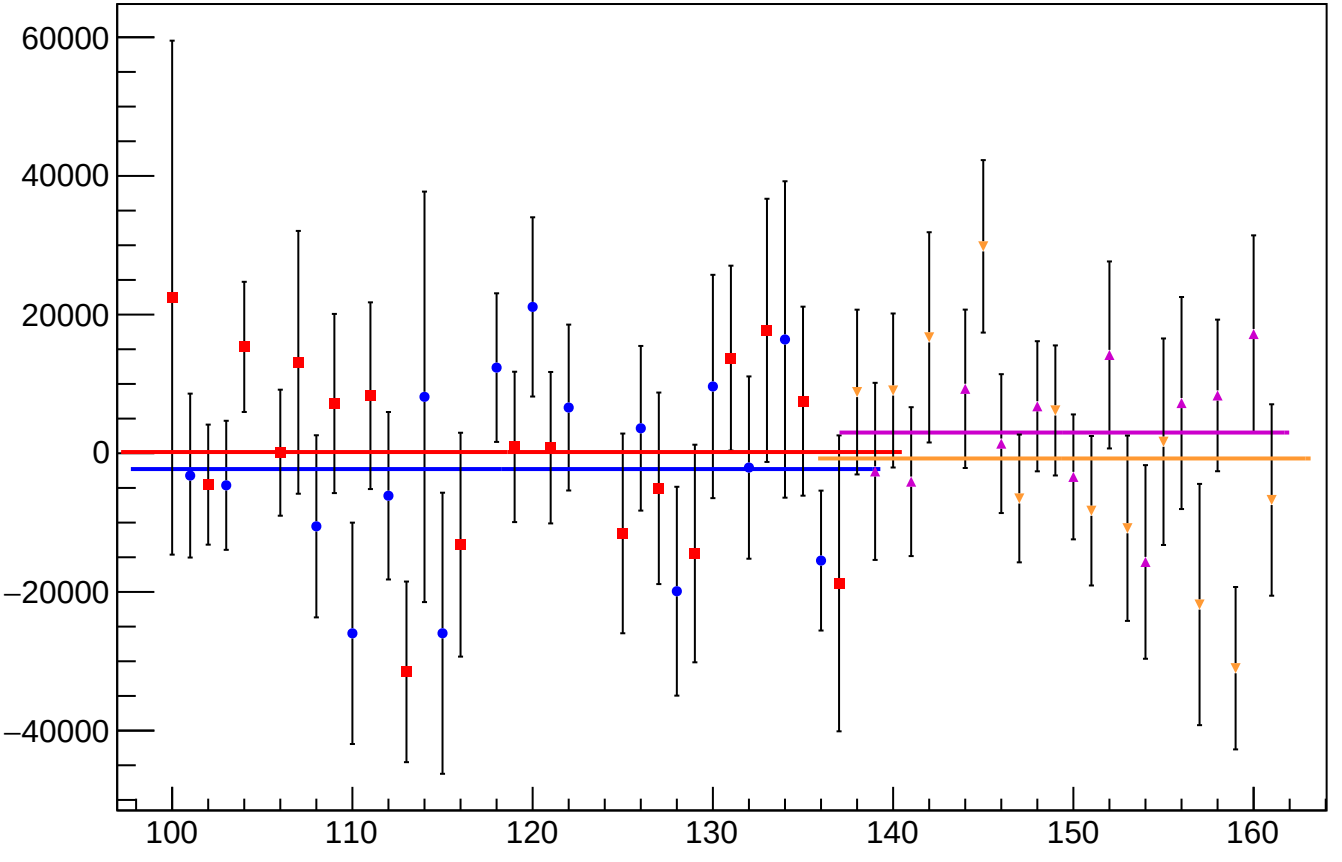
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2314.056+/-0.401 χ^2/NDF:265247.6/26

Out: 2319.551+/-0.404 χ^2/NDF:267987.0/29

All: 2316.787+/-0.285 χ^2/NDF: 533327.9/56

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: -751.389+/-3456.426 χ^2/NDF:19.2/11

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2987.392+/-3443.578 χ^2/NDF:5.4/10

Left: 1124.964+/-2439.507 χ^2/NDF: 25.2/22

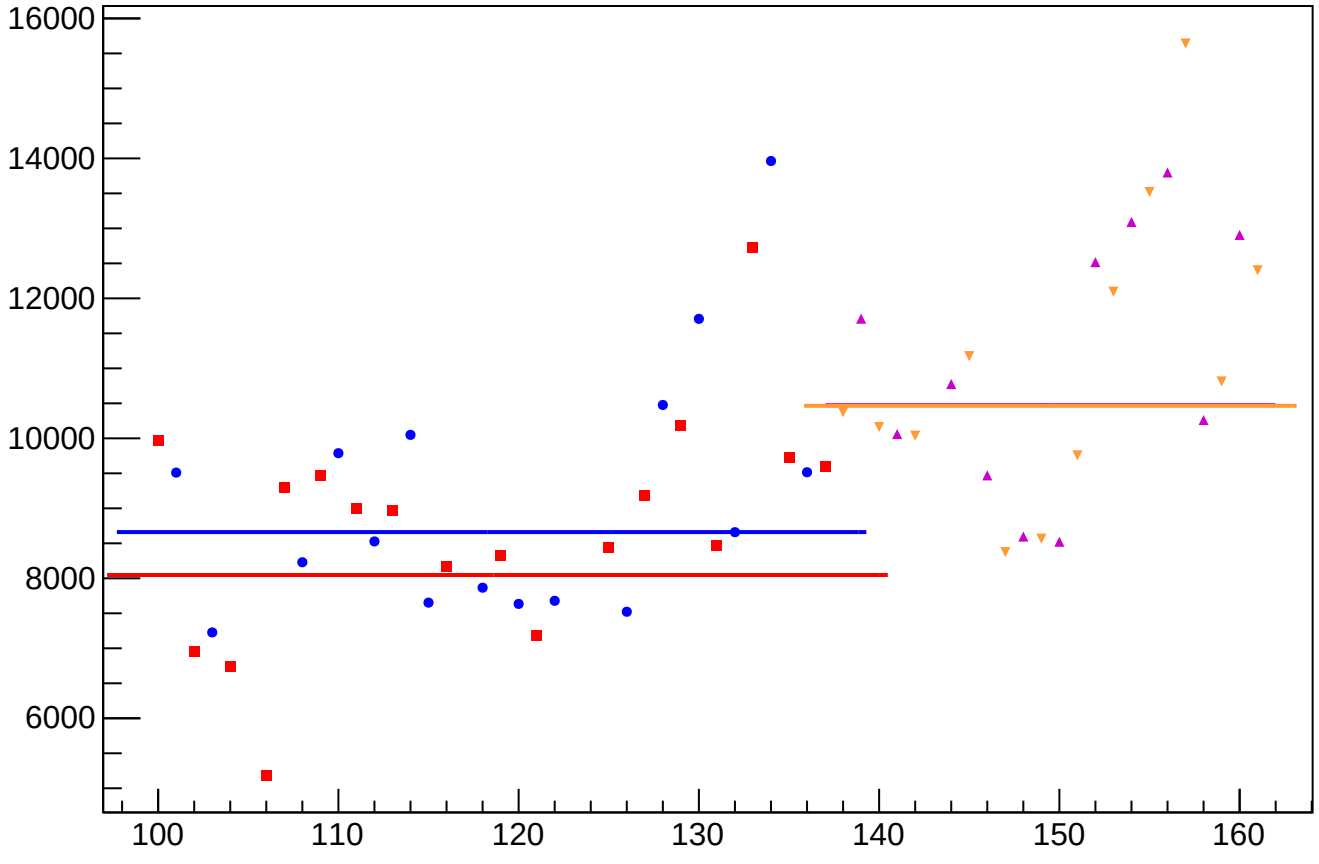
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 219.831+/-2371.893 χ^2/NDF:21.1/26

Out: -227.212+/-2280.740 χ^2/NDF:34.8/29

All: -12.446+/-1644.007 χ^2/NDF: 56.0/56

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10465.027+/-2.444 χ^2/NDF:535415.6/11

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10475.285+/-2.435 χ^2/NDF:486973.7/10

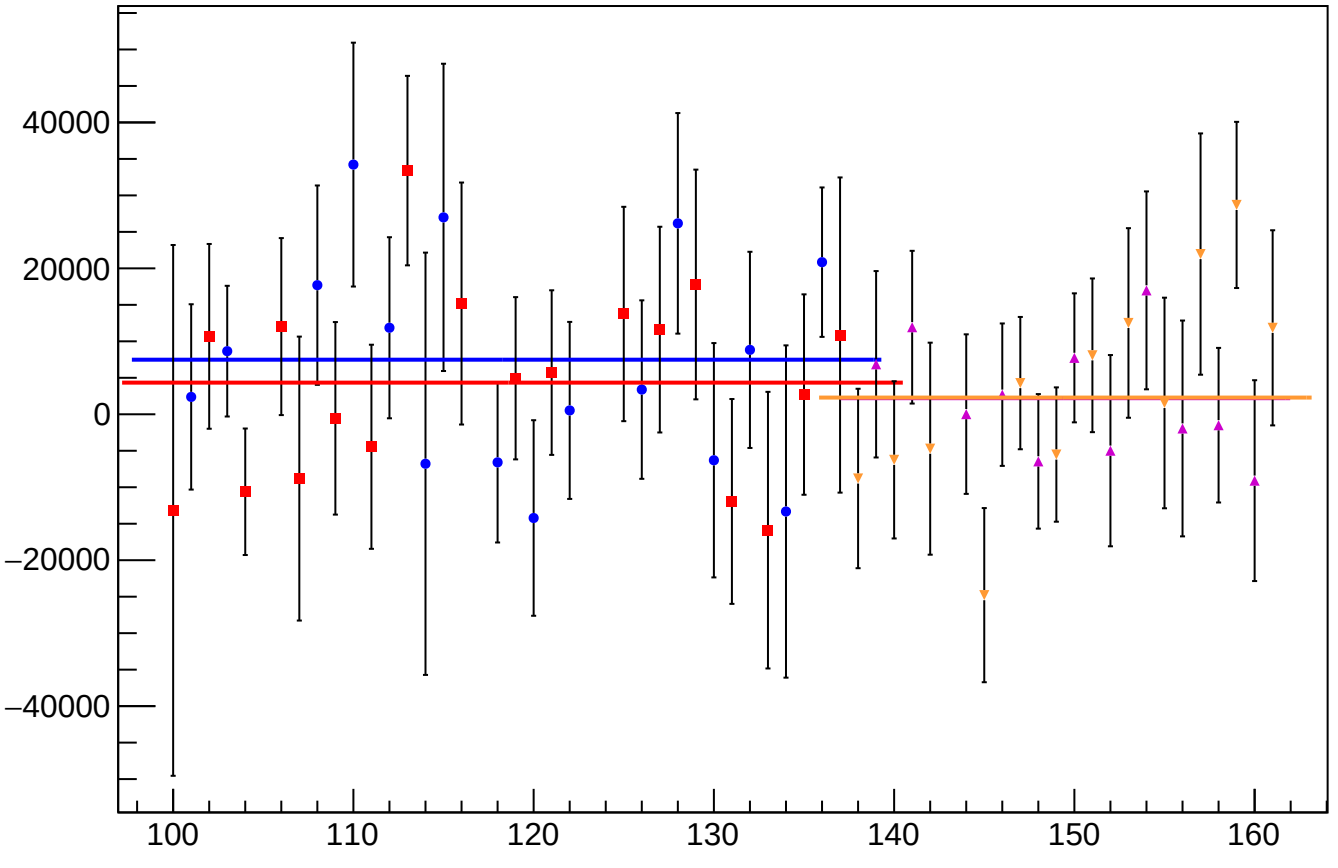
Left: 10470.175+/-1.725 χ^2/NDF: 1022398.2/22

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9521.596+/-1.677 χ^2/NDF:1136809.3/26

Out: 9100.079+/-1.613 χ^2/NDF:1646398.2/29

All: 9302.582+/-1.162 χ^2/NDF: 2816026.6/56



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2290.519+/-3377.774 χ^2/NDF:15.8/11

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2205.350+/-3357.924 χ^2/NDF:4.7/10

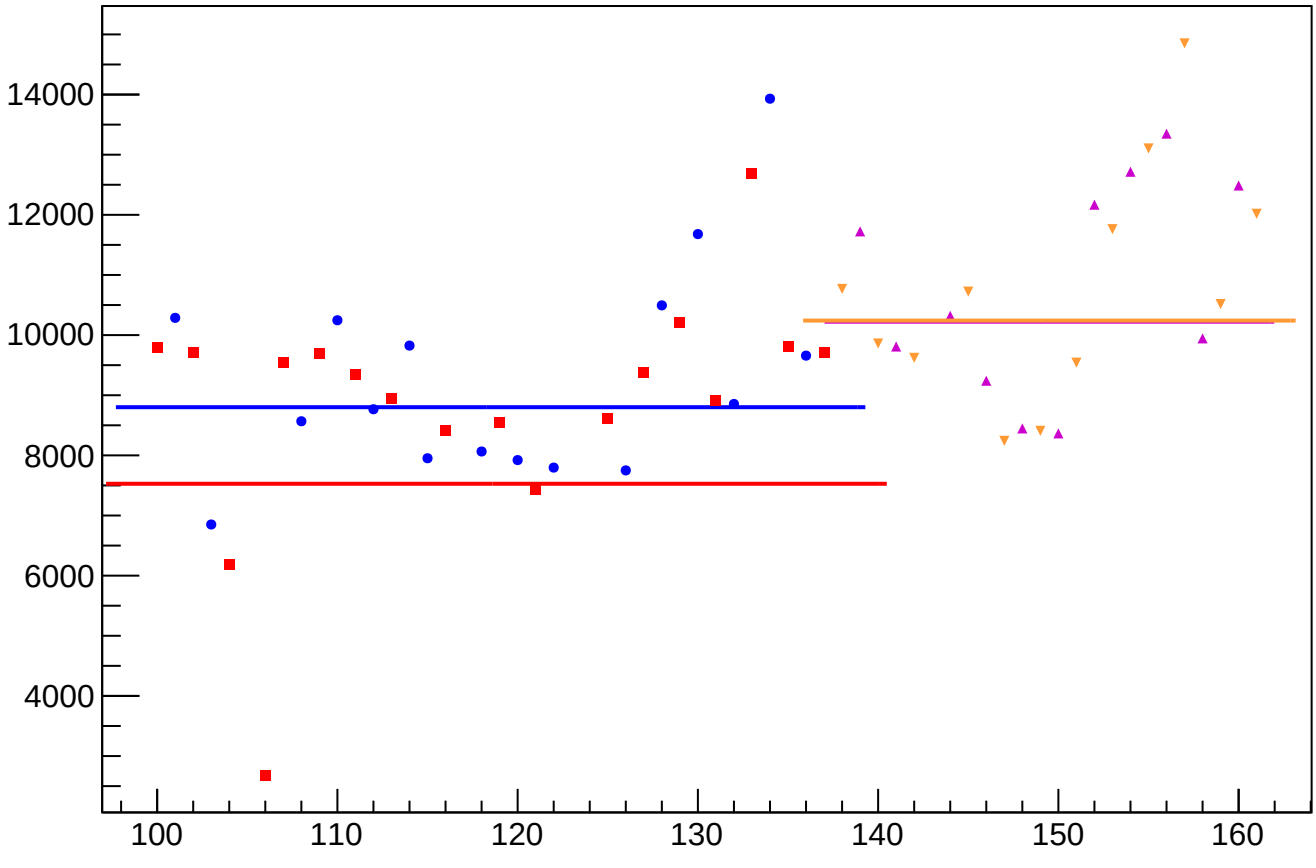
Left: 2247.683+/-2381.398 χ^2/NDF: 20.5/22

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4864.865+/-2364.804 χ^2/NDF:20.0/26

Out: 3356.127+/-2339.200 χ^2/NDF:30.3/29

All: 4102.284+/-1663.043 χ^2/NDF: 50.5/56



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10241.717+/-2.388 χ^2/NDF:496489.8/11

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10222.814+/-2.374 χ^2/NDF:470110.5/10

Left: 10232.210+/-1.684 χ^2/NDF: 966631.8/22

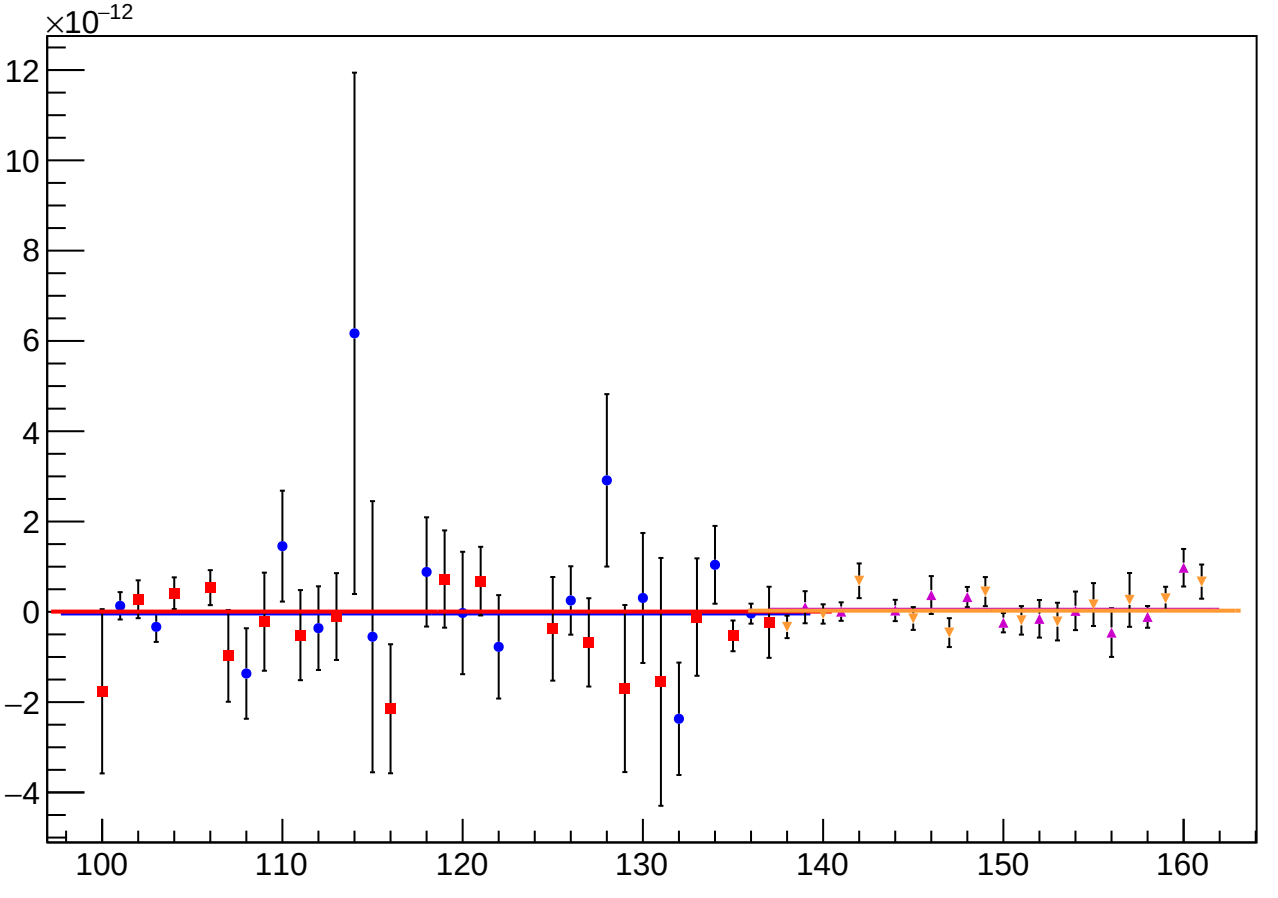
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9506.195+/-1.672 χ^2/NDF:1045401.5/26

Out: 8728.981+/-1.589 χ^2/NDF:2873450.7/29

All: 9097.780+/-1.152 χ^2/NDF: 4032376.4/56

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

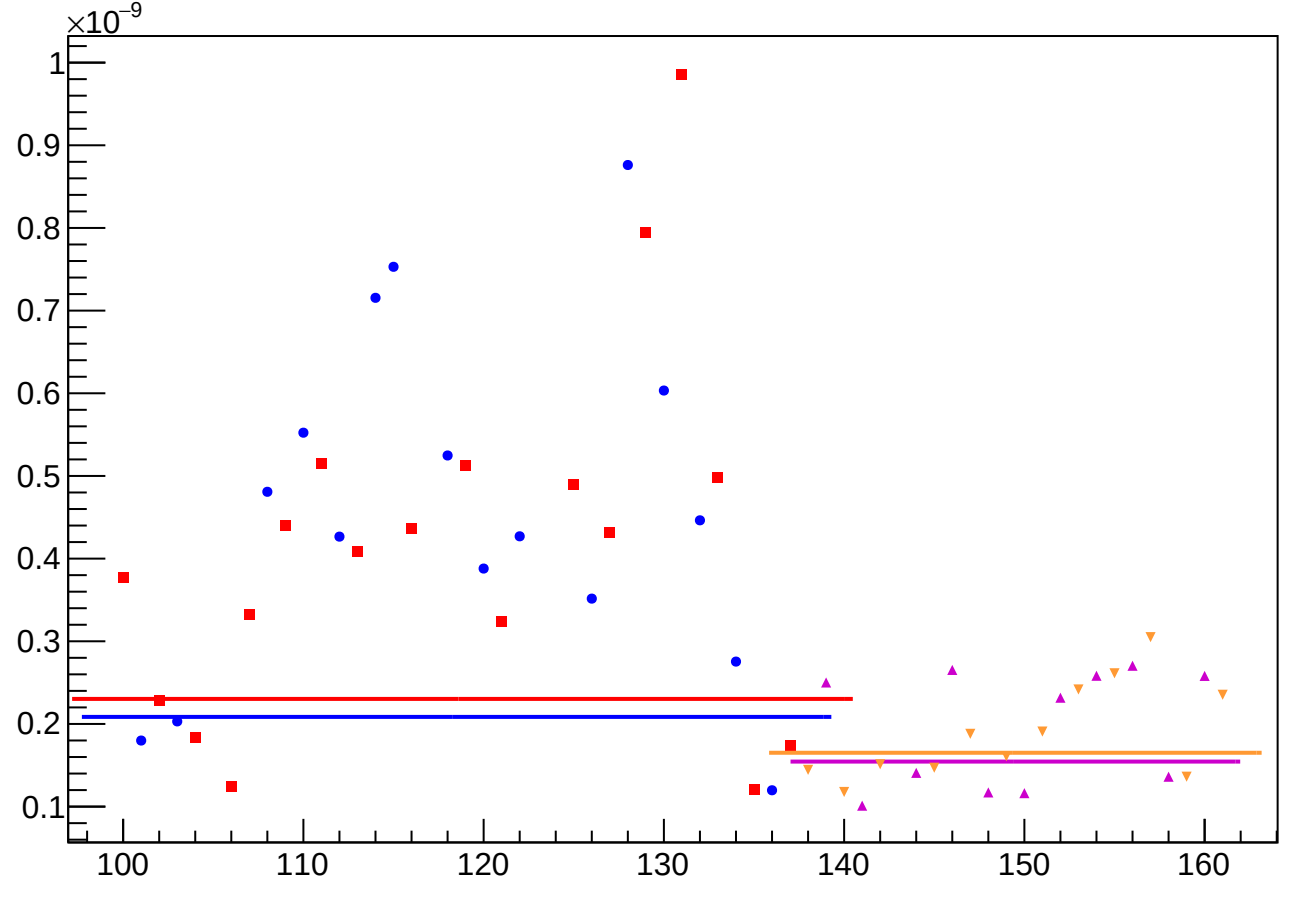
Left: 0.000+/-0.000 χ^2/NDF: 25.3/22

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:25.1/26

Out: 0.000+/-0.000 χ^2/NDF:28.4/29

All: 0.000+/-0.000 χ^2/NDF: 53.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:502059.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:961007.8/10

Left: 0.000+/-0.000 χ^2/NDF: 1477845.5/22

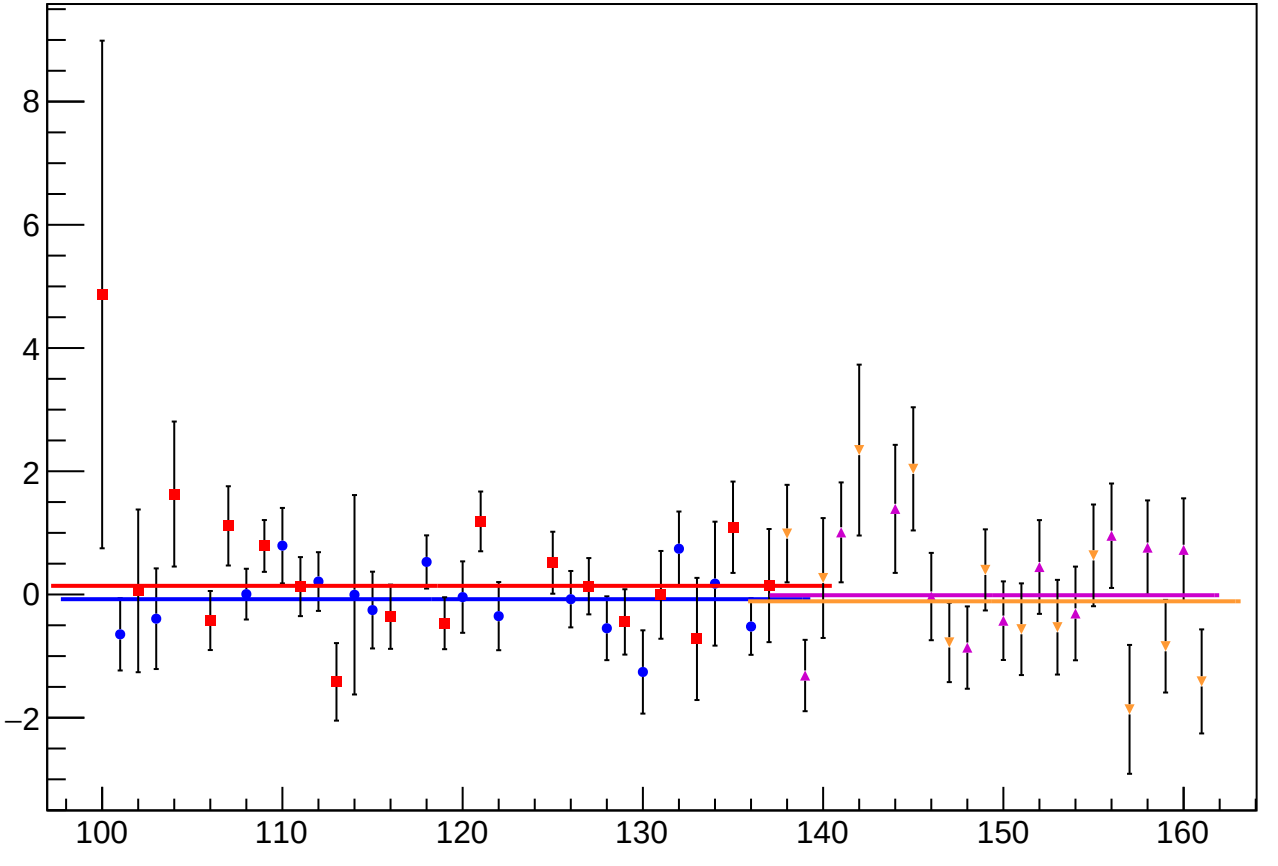
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2805735.4/26

Out: 0.000+/-0.000 χ^2/NDF:2324808.8/29

All: 0.000+/-0.000 χ^2/NDF: 5156232.8/56

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: -0.111+/-0.236 χ^2/NDF:19.1/11

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.059+/-0.162 χ^2/NDF: 33.3/22

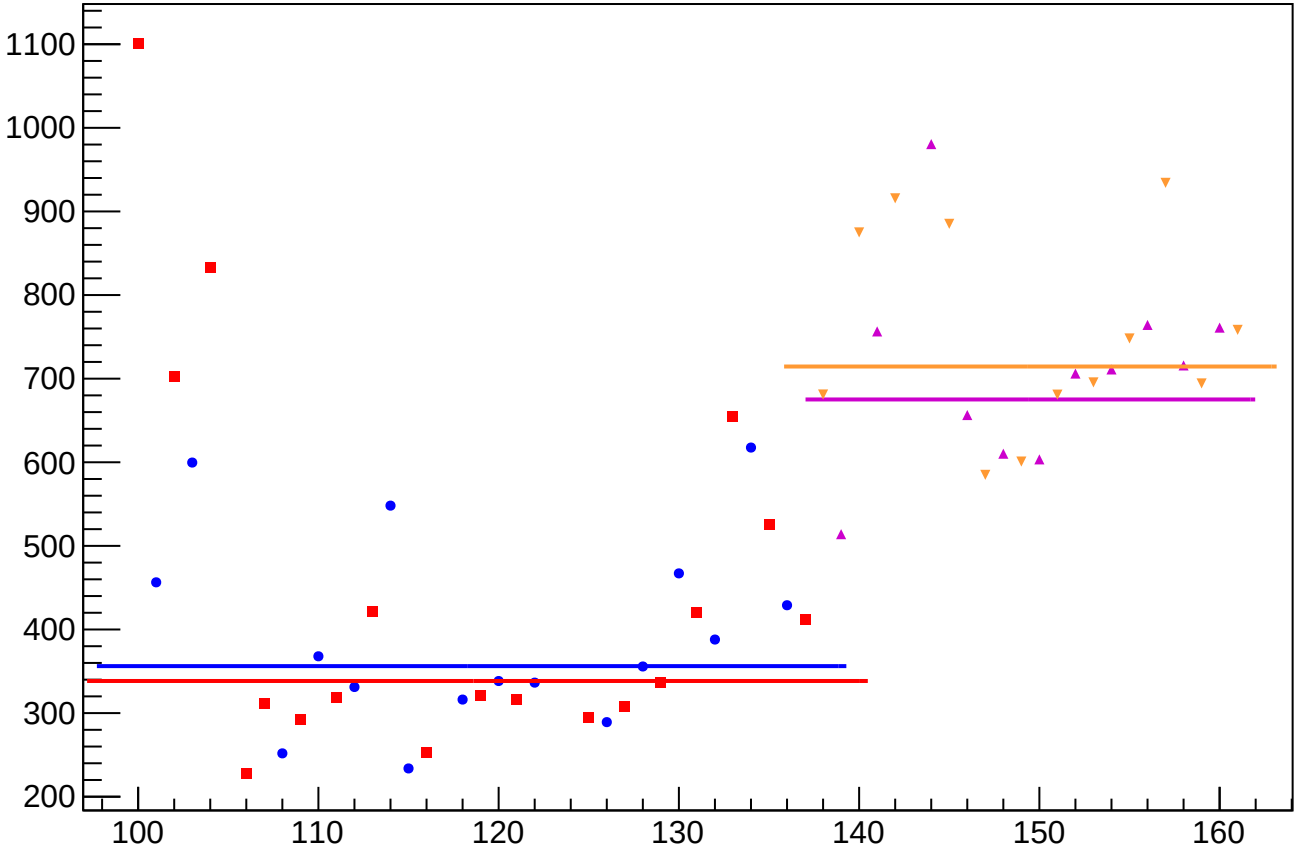
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.076+/-0.119 χ^2/NDF:46.9/29

All: 0.009+/-0.084 χ^2/NDF: 74.3/56

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 714.523+/-0.167 χ^2/NDF:402501.7/11

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

Left: 693.702+/-0.115 χ^2/NDF: 881853.0/22

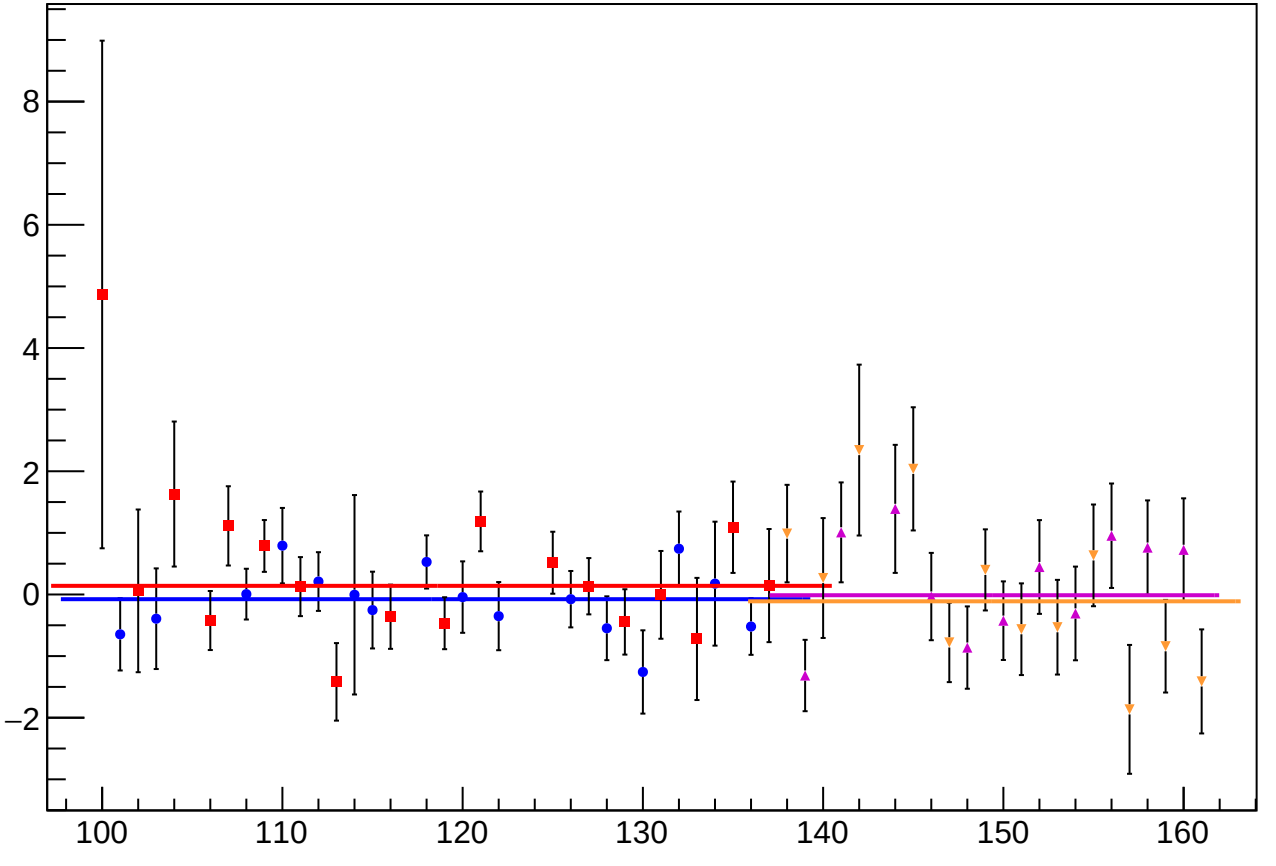
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 446.243+/-0.084 χ^2/NDF:4169847.7/26

Out: 434.175+/-0.084 χ^2/NDF:5389987.6/29

All: 440.240+/-0.059 χ^2/NDF: 9570151.7/56

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: -0.111+/-0.236 χ^2/NDF:19.1/11

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.059+/-0.162 χ^2/NDF: 33.3/22

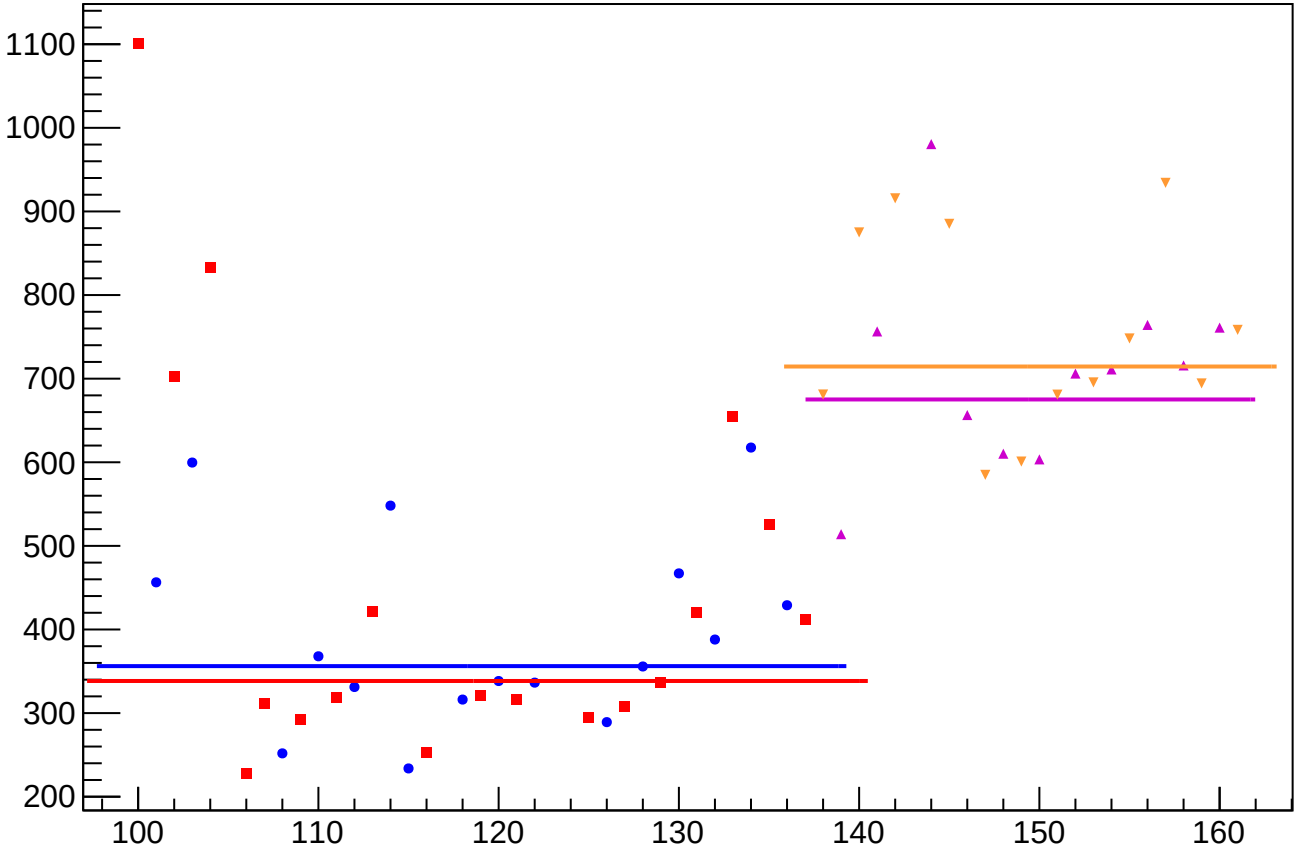
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.076+/-0.119 χ^2/NDF:46.9/29

All: 0.009+/-0.084 χ^2/NDF: 74.3/56

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: 714.523+/-0.167 χ^2/NDF:402501.7/11

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

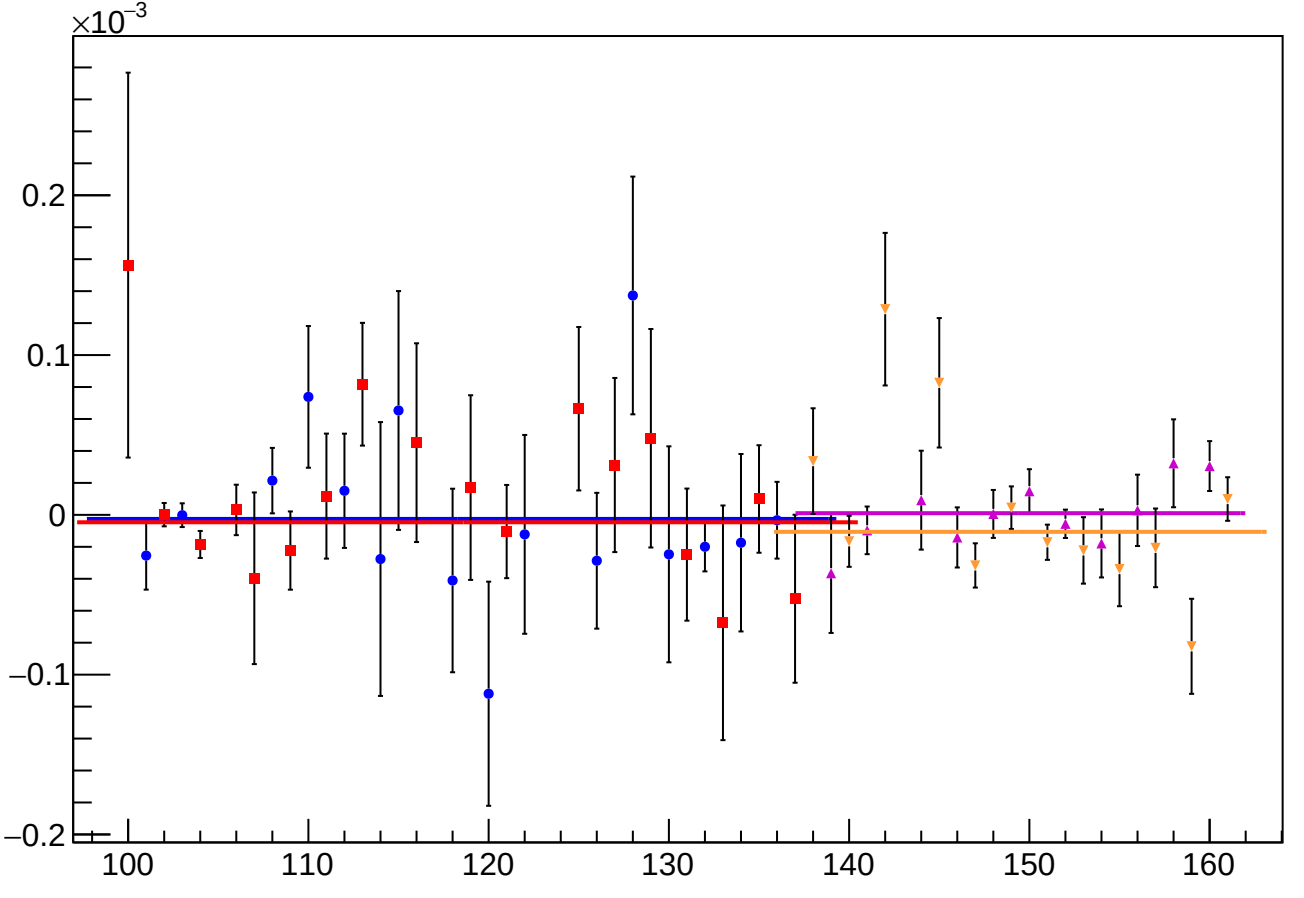
Left: 693.702+/-0.115 χ^2/NDF: 881853.0/22

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 446.243+/-0.084 χ^2/NDF:4169847.7/26

Out: 434.175+/-0.084 χ^2/NDF:5389987.6/29

All: 440.240+/-0.059 χ^2/NDF: 9570151.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

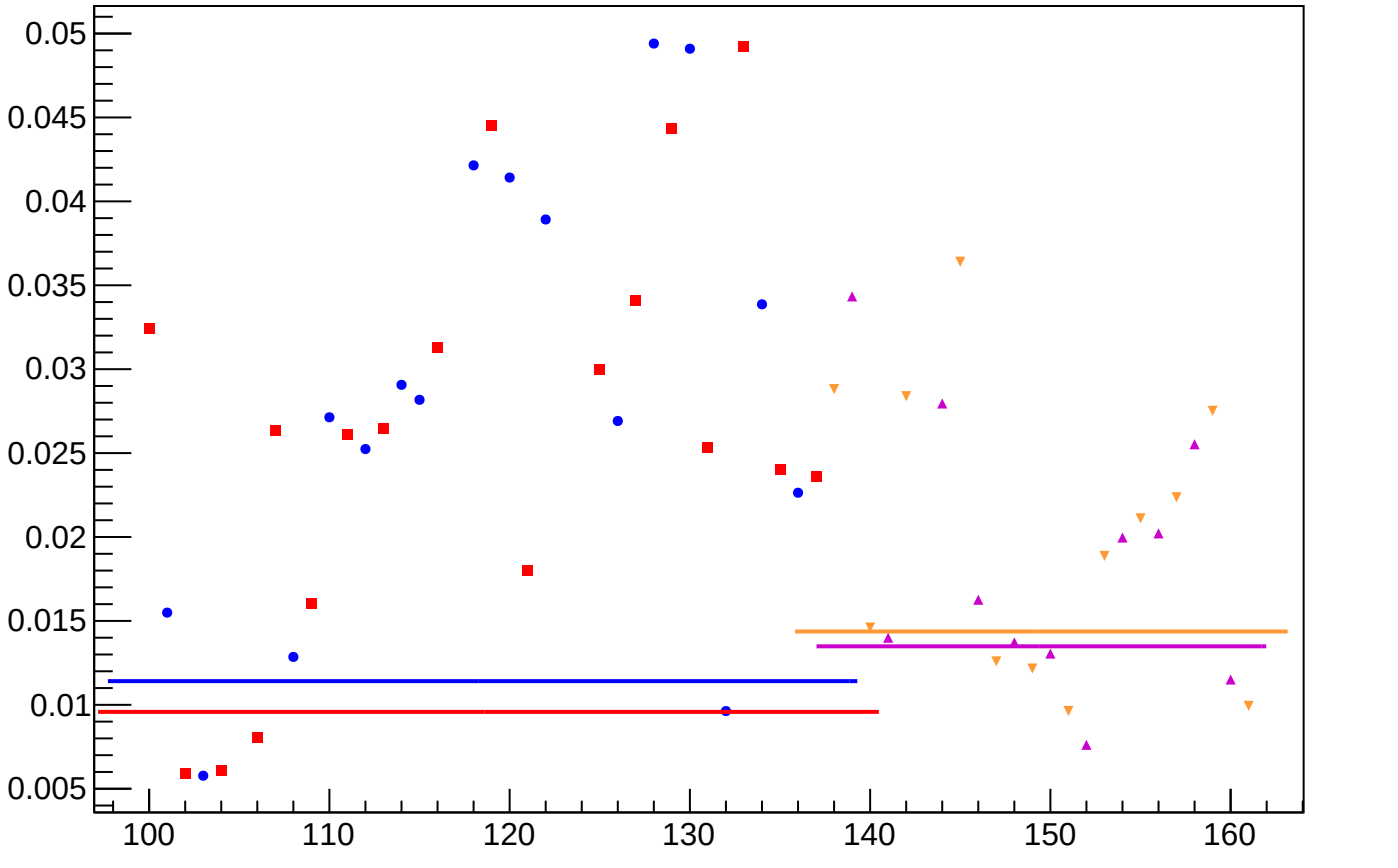
Left: -0.000+/-0.000 χ^2/NDF: 41.4/22

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:24.7/26

Out: -0.000+/-0.000 χ^2/NDF:47.1/29

All: -0.000+/-0.000 χ^2/NDF: 73.6/56



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:2679342.6/11

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:2765722.9/10

Left: 0.014+/-0.000 χ^2/NDF: 5475666.3/22

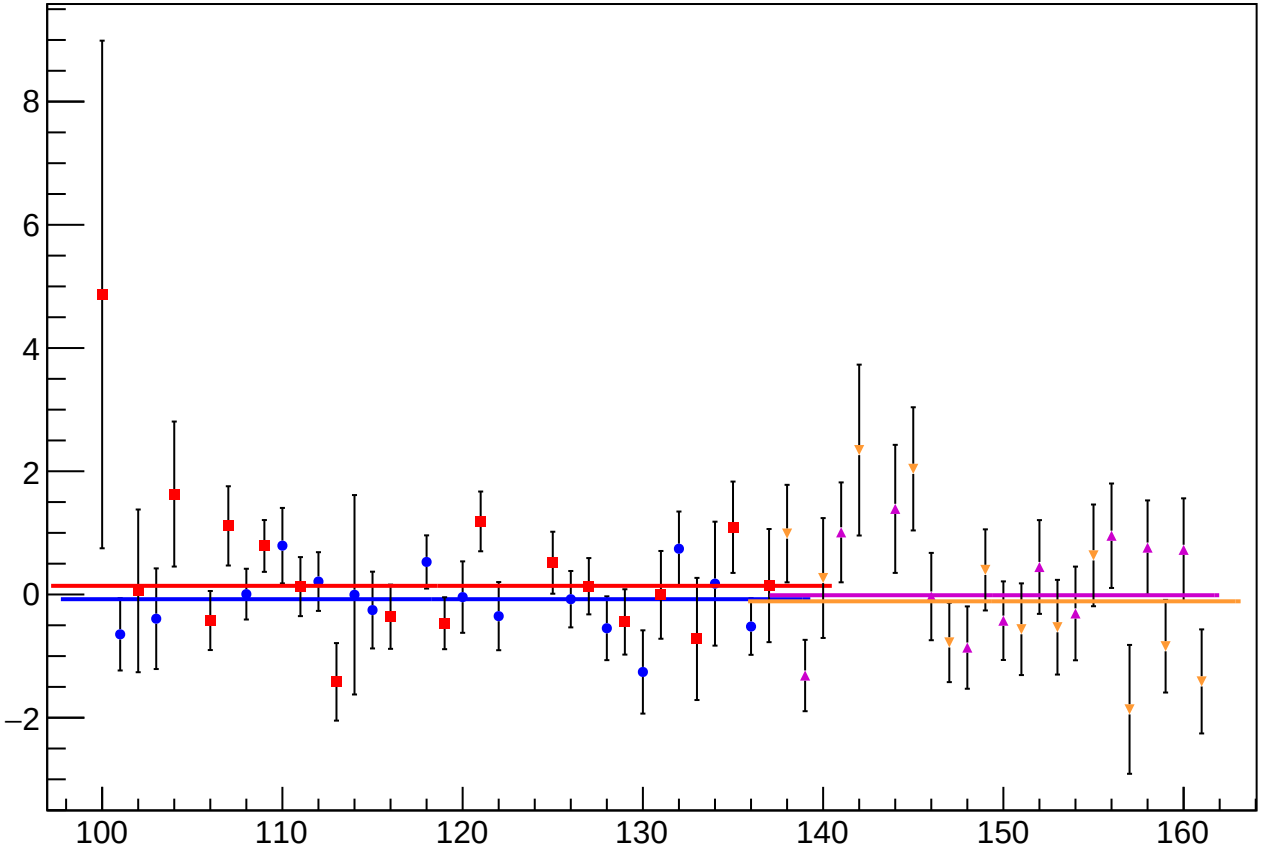
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:8422050.5/26

Out: 0.012+/-0.000 χ^2/NDF:9401173.0/29

All: 0.012+/-0.000 χ^2/NDF: 17874931.6/56

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.111+/-0.236 χ^2/NDF:19.1/11

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.059+/-0.162 χ^2/NDF: 33.3/22

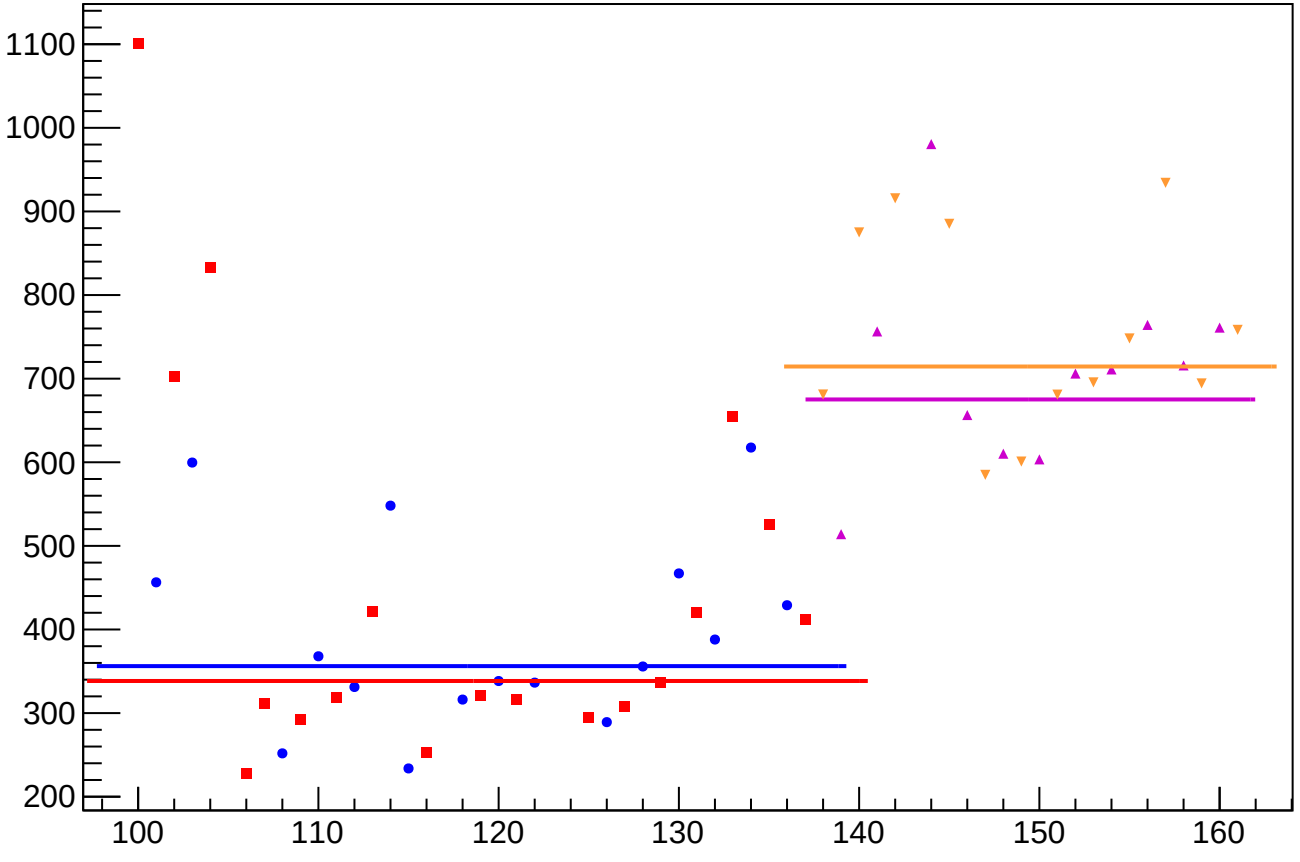
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.076+/-0.119 χ^2/NDF:46.9/29

All: 0.009+/-0.084 χ^2/NDF: 74.3/56

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 714.532+/-0.167 χ^2/NDF:402512.3/11

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

Left: 693.712+/-0.115 χ^2/NDF: 881851.8/22

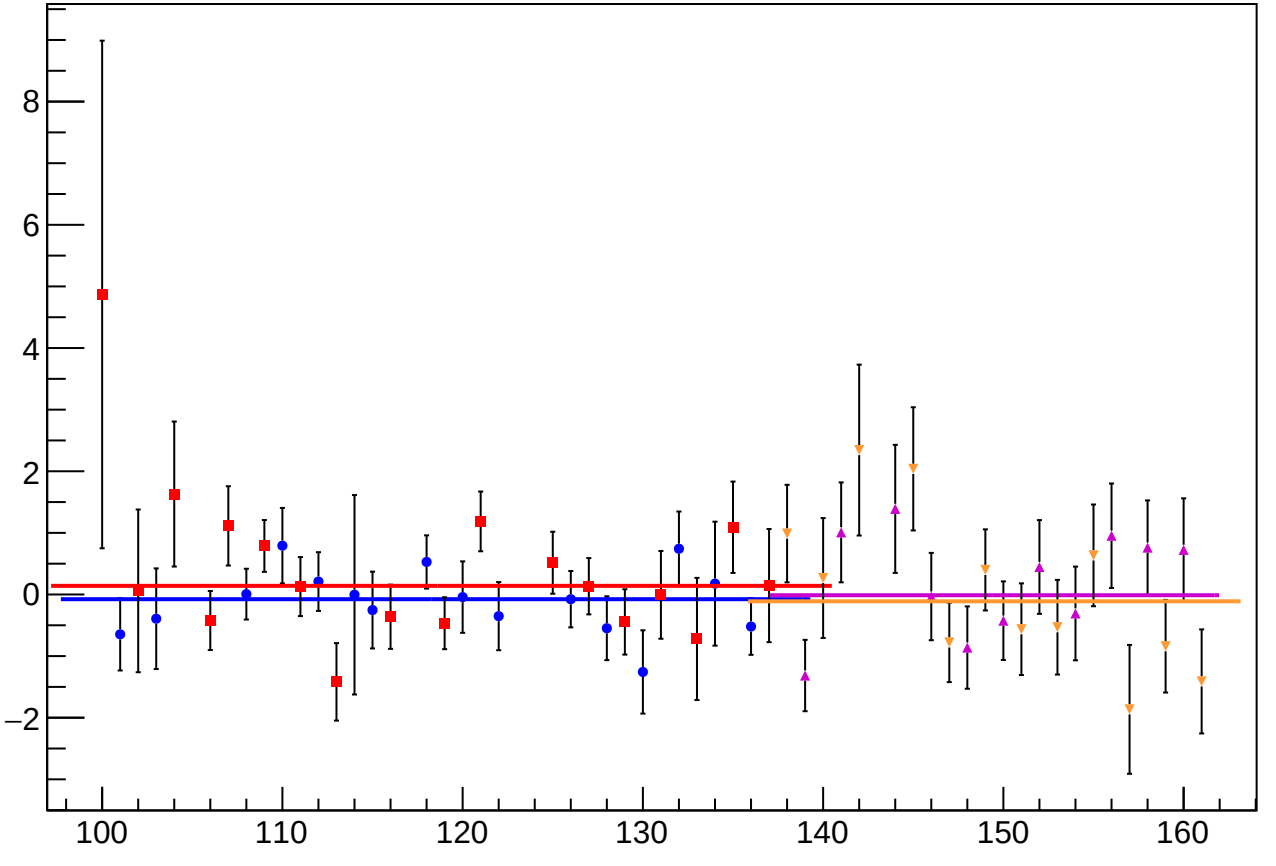
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 446.243+/-0.084 χ^2/NDF:4169963.5/26

Out: 434.173+/-0.084 χ^2/NDF:5390147.0/29

All: 440.238+/-0.059 χ^2/NDF: 9570429.3/56

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: -0.111+/-0.236 χ^2/NDF:19.1/11

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.012+/-0.223 χ^2/NDF:14.1/10

Left: -0.059+/-0.162 χ^2/NDF: 33.3/22

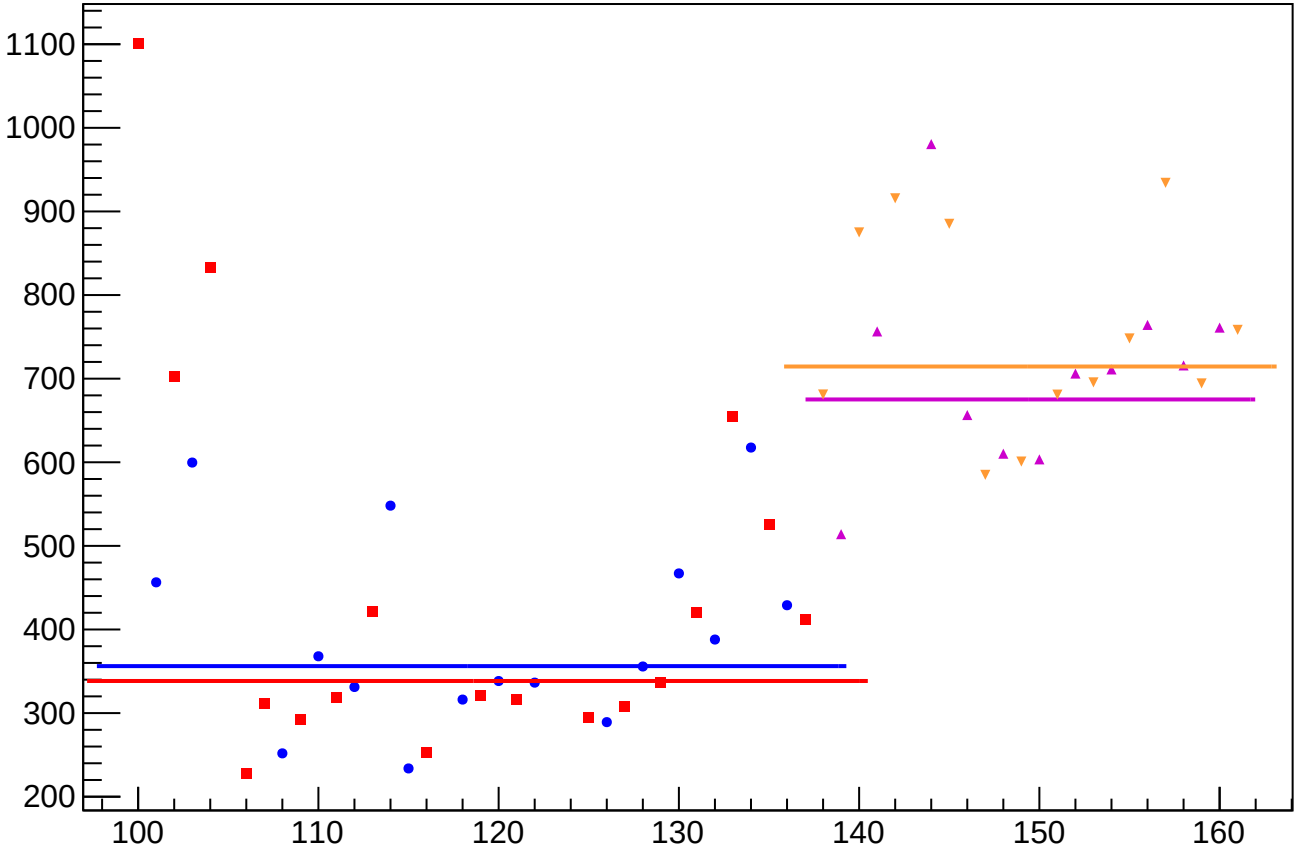
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.058+/-0.119 χ^2/NDF:26.7/26

Out: 0.076+/-0.119 χ^2/NDF:46.9/29

All: 0.009+/-0.084 χ^2/NDF: 74.3/56

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 714.532+/-0.167 χ^2/NDF:402512.3/11

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

Left: 693.712+/-0.115 χ^2/NDF: 881851.8/22

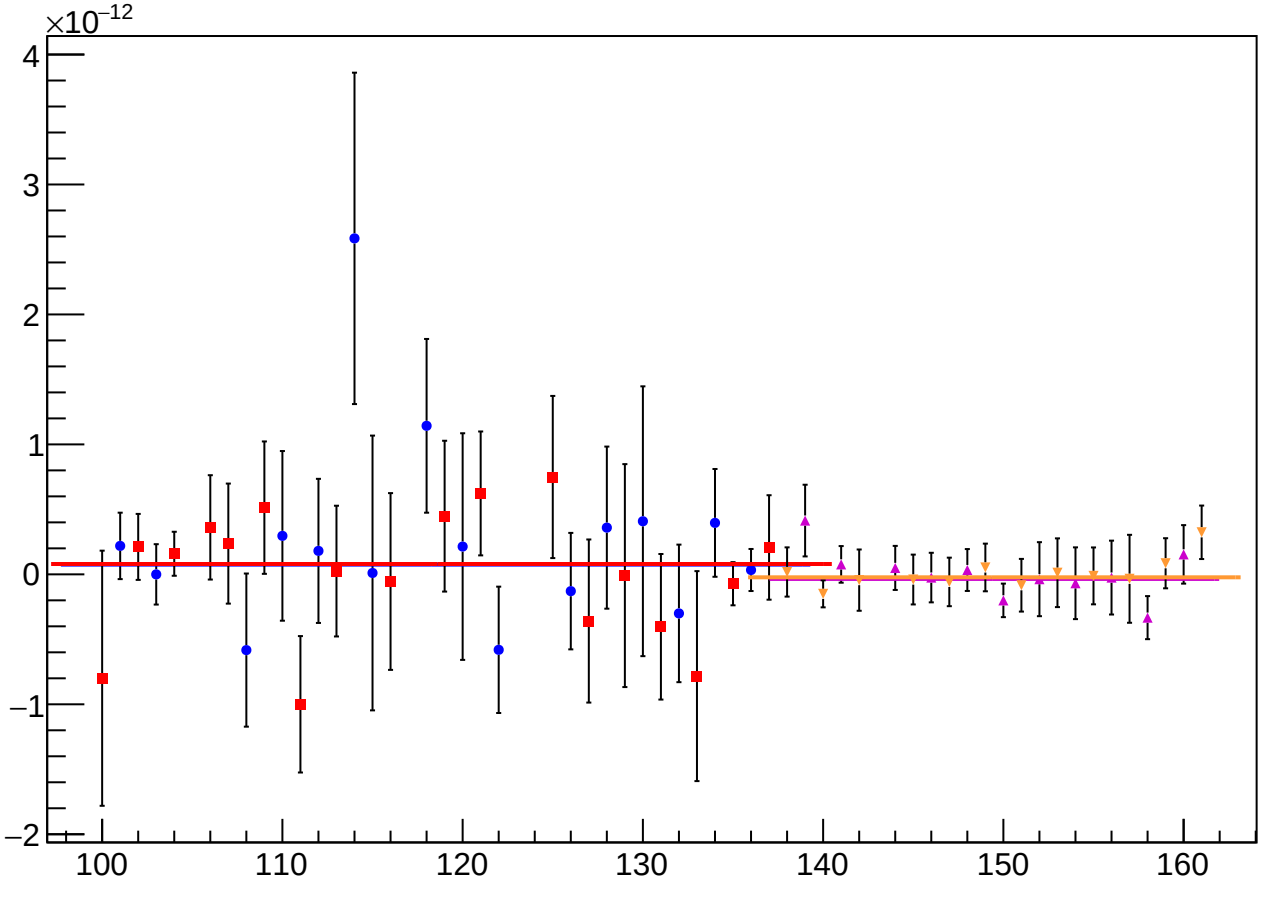
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 446.243+/-0.084 χ^2/NDF:4169963.5/26

Out: 434.173+/-0.084 χ^2/NDF:5390147.0/29

All: 440.238+/-0.059 χ^2/NDF: 9570429.3/56

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:5.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.3/10

Left: -0.000+/-0.000 χ^2/NDF: 14.4/22

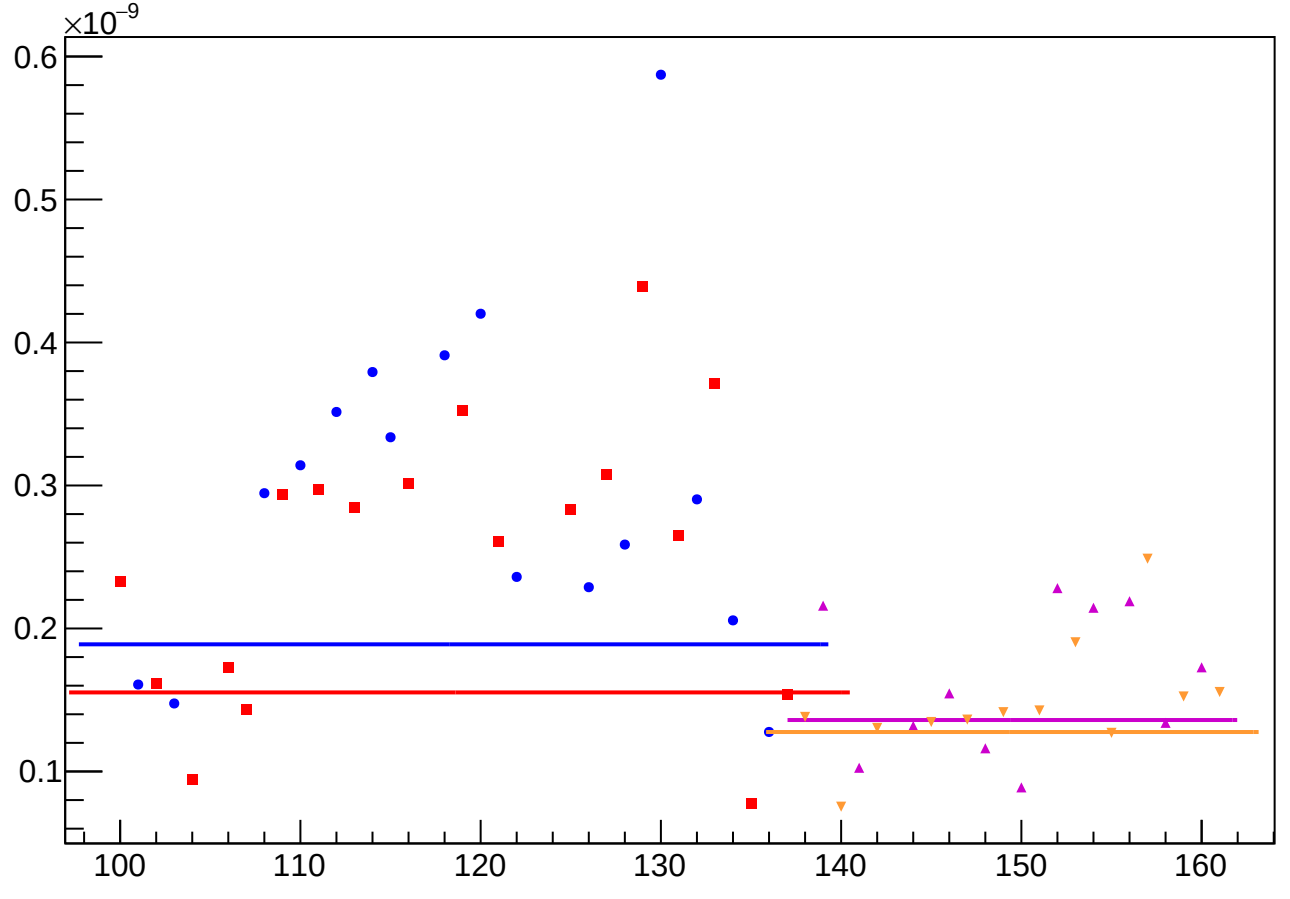
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:22.1/26

Out: 0.000+/-0.000 χ^2/NDF:19.1/29

All: -0.000+/-0.000 χ^2/NDF: 41.2/56

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:980771.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1193822.3/10

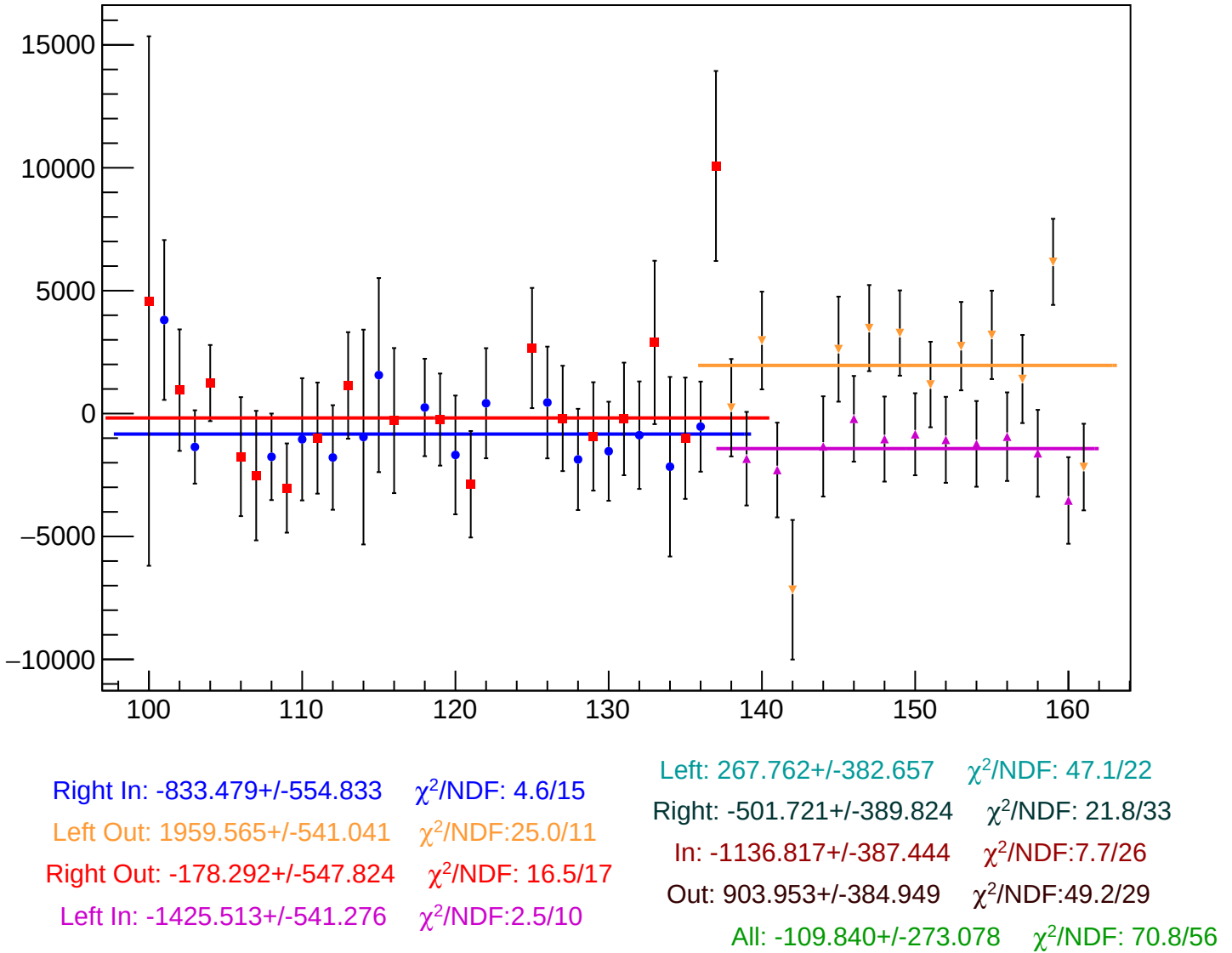
Left: 0.000+/-0.000 χ^2/NDF: 2197819.0/22

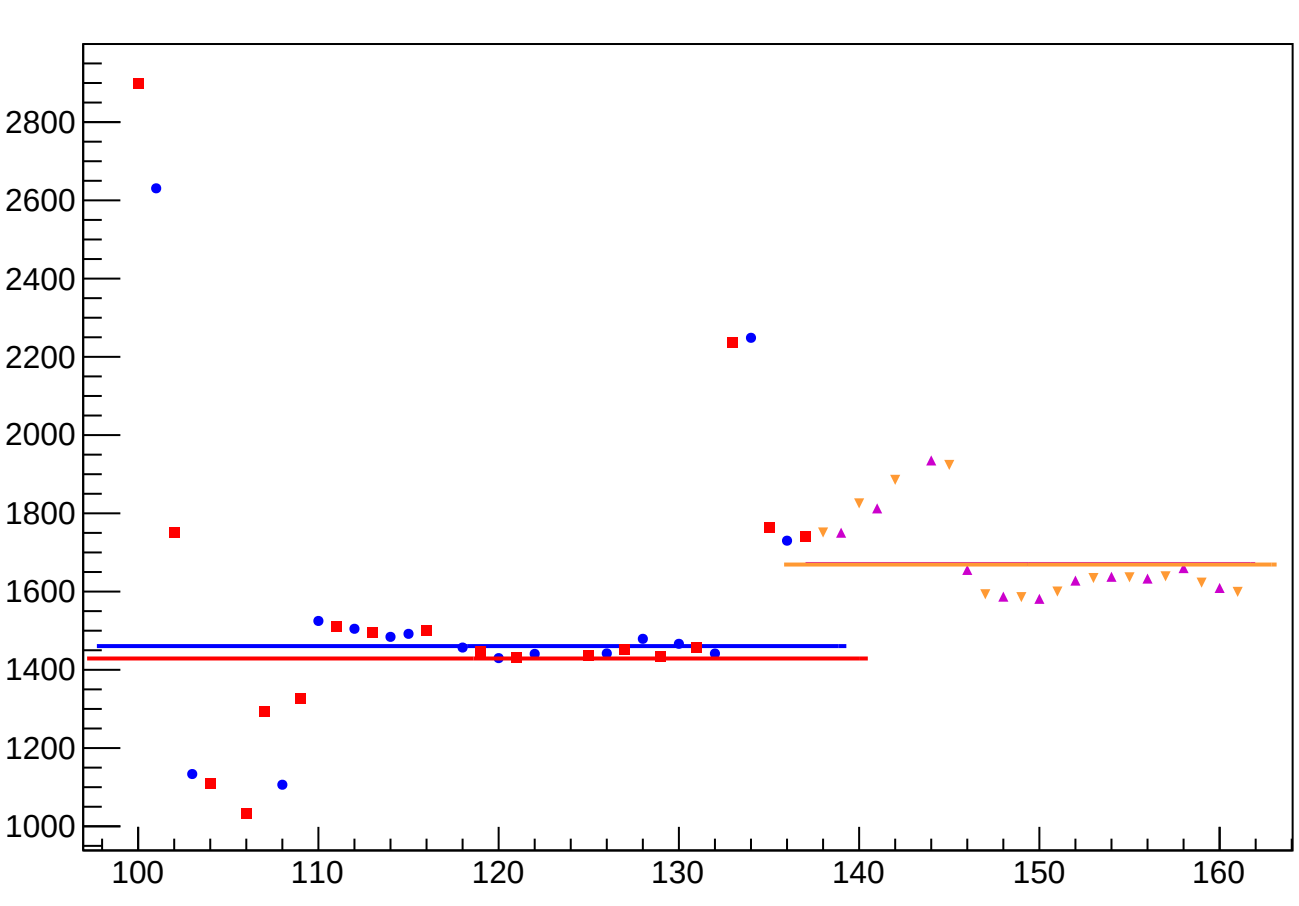
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3165302.5/26

Out: 0.000+/-0.000 χ^2/NDF:3331460.2/29

All: 0.000+/-0.000 χ^2/NDF: 6583496.8/56


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1959.565+/-541.041 χ²/NDF:25.0/11
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1425.513+/-541.276 χ²/NDF:2.5/10
Left: 267.762+/-382.657 χ²/NDF: 47.1/22
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1136.817+/-387.444 χ²/NDF:7.7/26
Out: 903.953+/-384.949 χ²/NDF:49.2/29
All: -109.840+/-273.078 χ²/NDF: 70.8/56



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1669.100+/-0.383 χ^2/NDF:73824.2/11

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

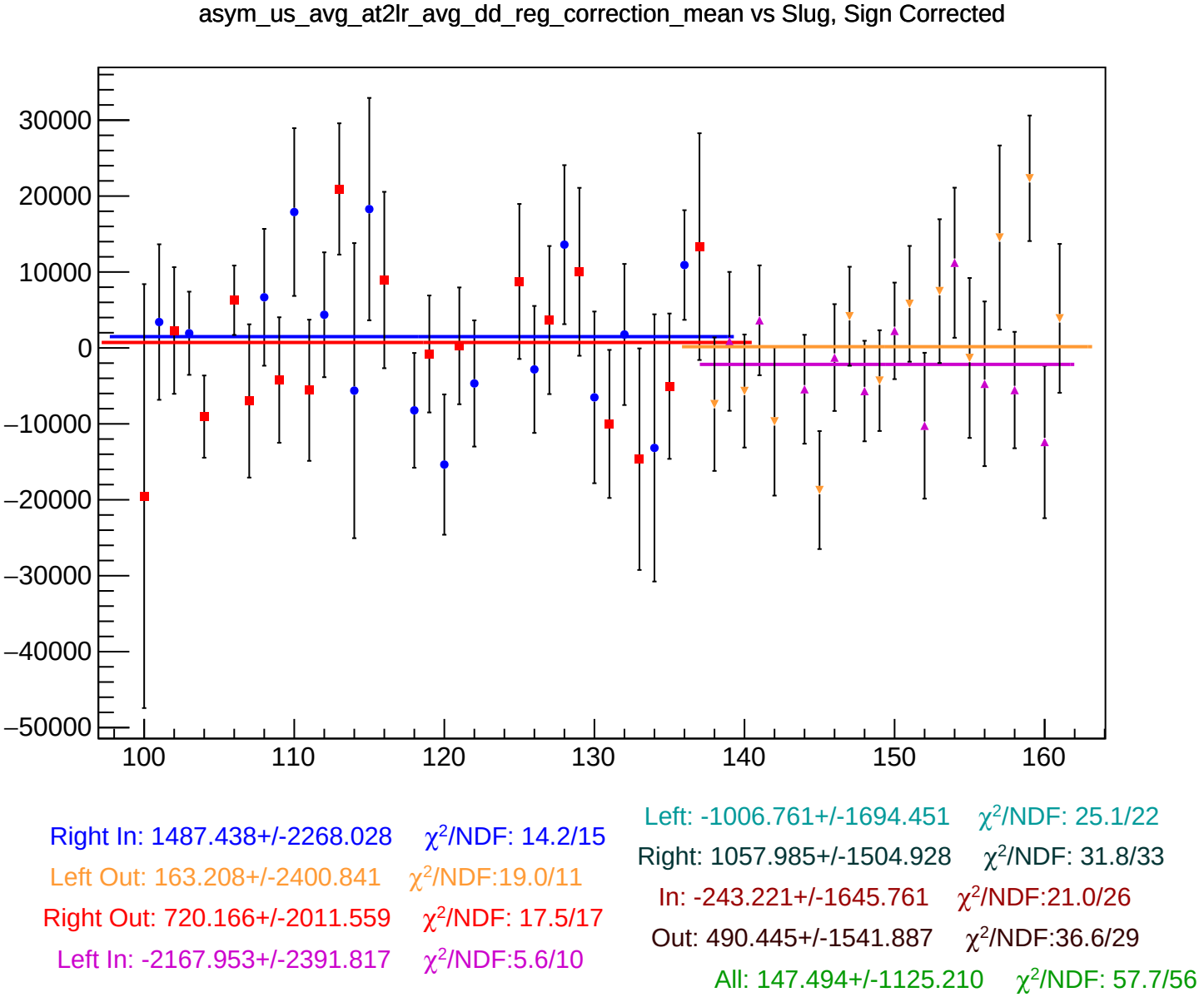
Left: 1669.818+/-0.271 χ^2/NDF: 137636.3/22

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1568.190+/-0.274 χ^2/NDF:786177.4/26

Out: 1549.626+/-0.271 χ^2/NDF:681138.2/29

All: 1558.814+/-0.193 χ^2/NDF: 1469634.7/56


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
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−10000
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−40000
−50000
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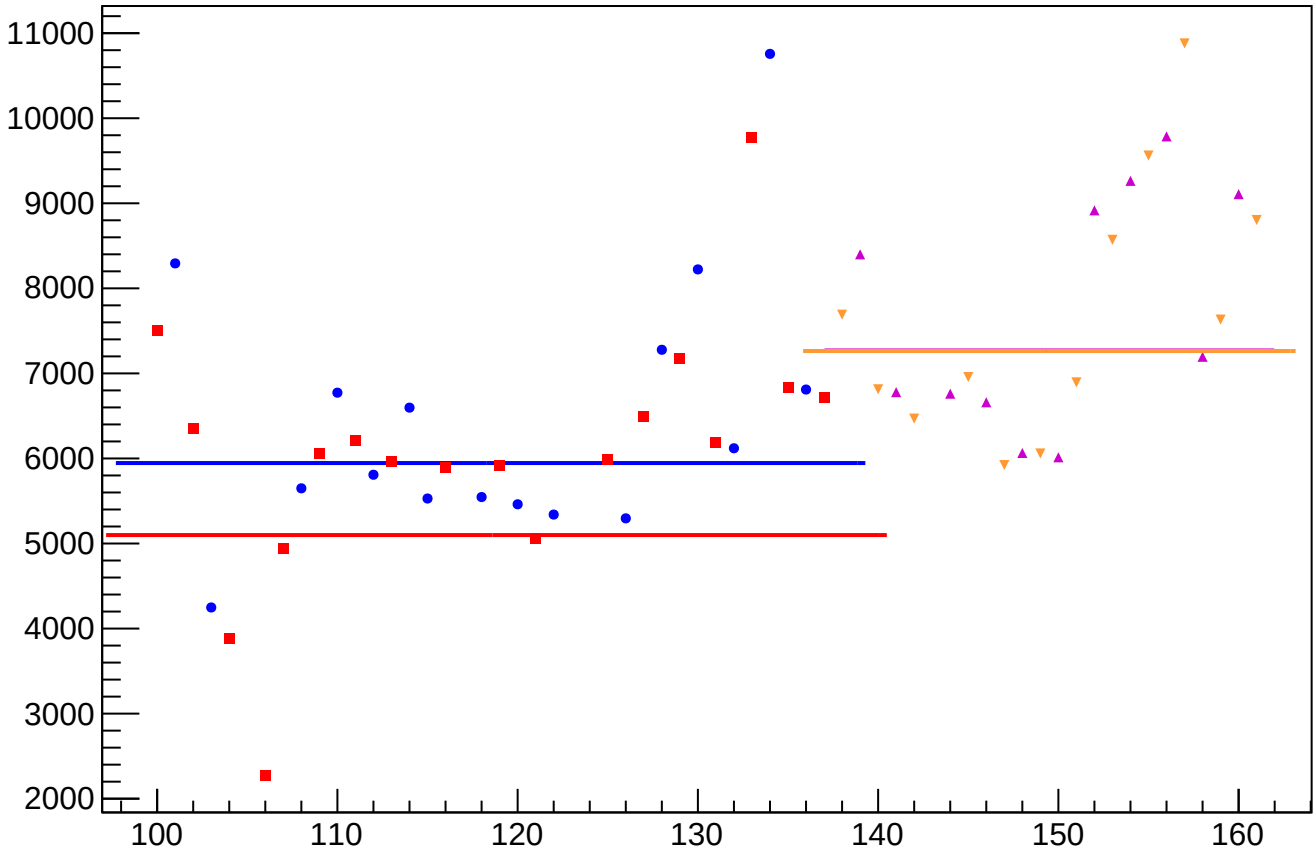
130
140
150
160
Right In: 1487.438+/-2268.028 χ²/NDF: 14.2/15
Left Out: 163.208+/-2400.841 χ²/NDF:19.0/11
Right Out: 720.166+/-2011.559 χ²/NDF: 17.5/17
Left In: -2167.953+/-2391.817 χ²/NDF:5.6/10
Left: -1006.761+/-1694.451 χ²/NDF: 25.1/22
Right: 1057.985+/-1504.928 χ²/NDF: 31.8/33
In: -243.221+/-1645.761 χ²/NDF:21.0/26
Out: 490.445+/-1541.887 χ²/NDF:36.6/29
All: 147.494+/-1125.210 χ²/NDF: 57.7/56



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7263.356+/-1.698 χ^2/NDF:548305.9/11

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7269.974+/-1.691 χ^2/NDF:524365.1/10

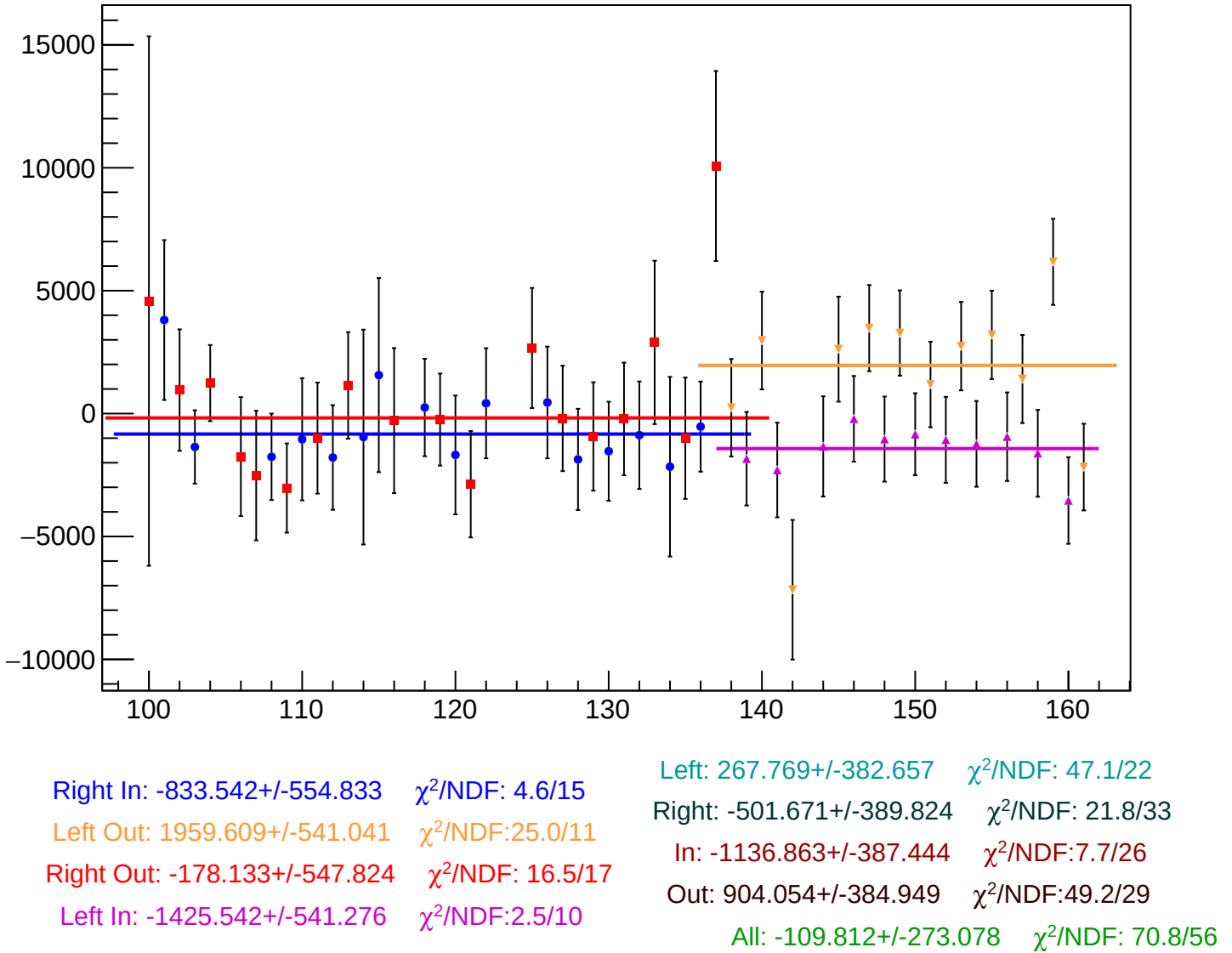
Left: 7266.677+/-1.198 χ^2/NDF: 1072678.6/22

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6572.882+/-1.164 χ^2/NDF:1488135.7/26

Out: 5991.924+/-1.090 χ^2/NDF:2983336.4/29

All: 6263.492+/-0.796 χ^2/NDF: 4604196.0/56


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
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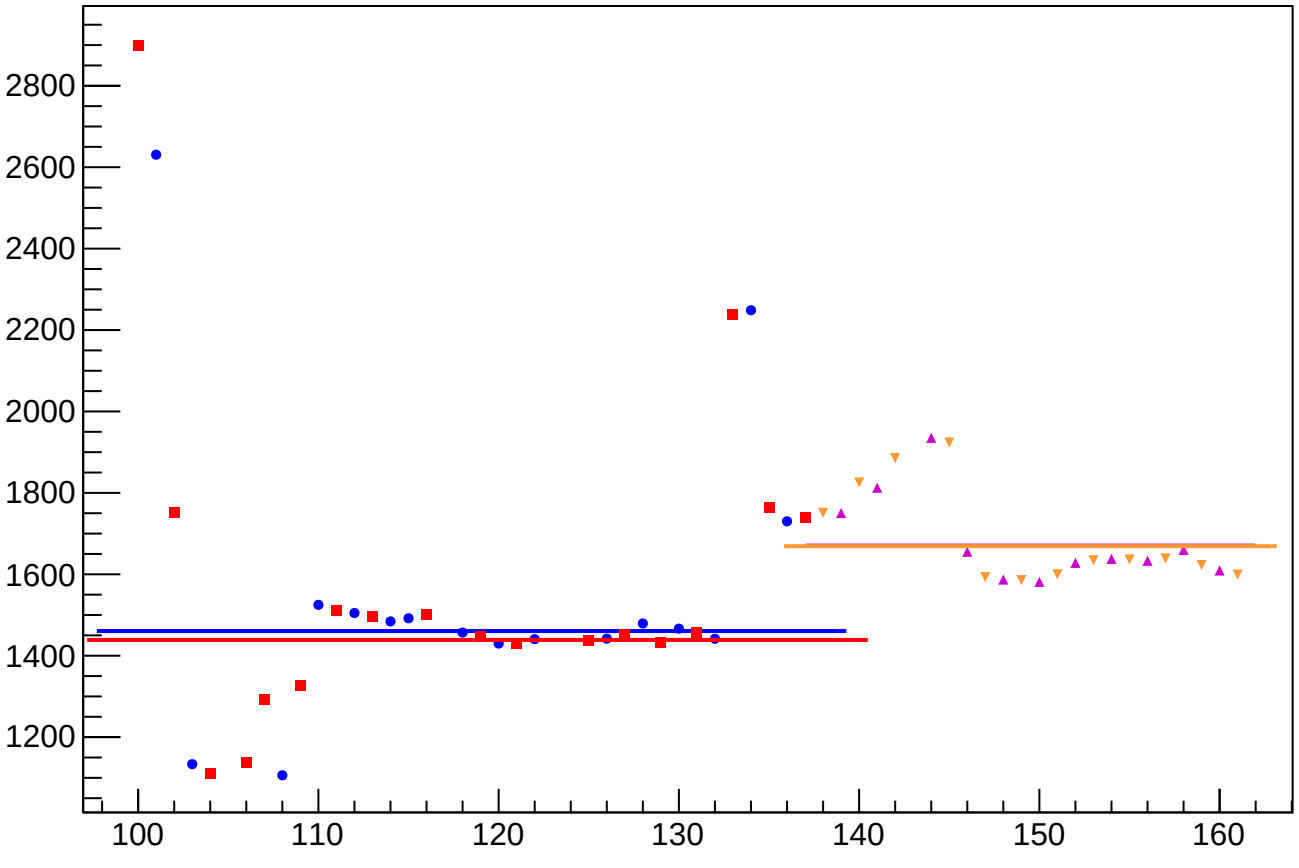
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1959.609+/-541.041 χ²/NDF:25.0/11
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1425.542+/-541.276 χ²/NDF:2.5/10
Left: 267.769+/-382.657 χ²/NDF: 47.1/22
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1136.863+/-387.444 χ²/NDF:7.7/26
Out: 904.054+/-384.949 χ²/NDF:49.2/29
All: -109.812+/-273.078 χ²/NDF: 70.8/56



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1669.100+/-0.383 χ^2/NDF:73824.2/11

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

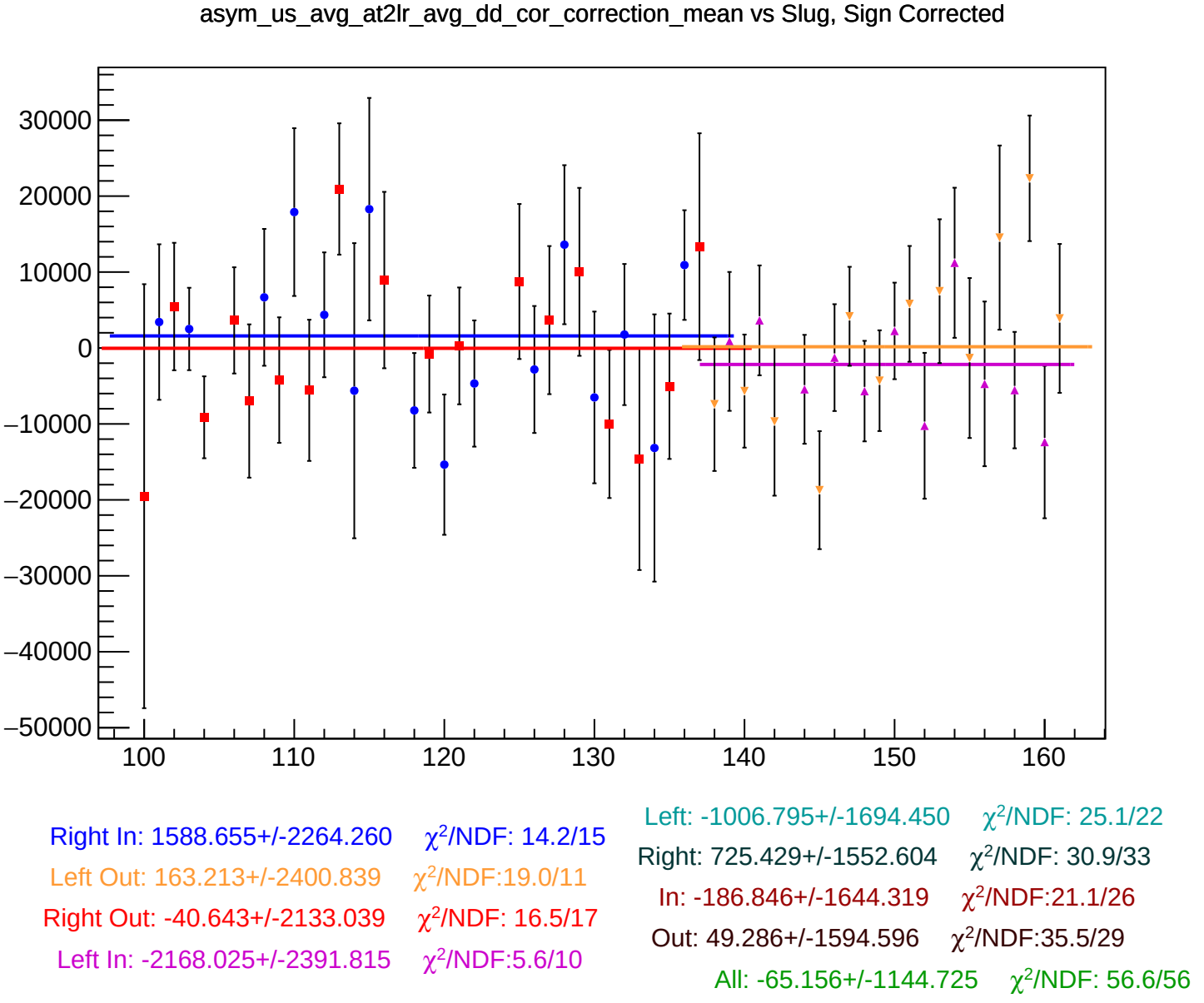
Left: 1669.818+/-0.271 χ^2/NDF: 137636.3/22

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1568.190+/-0.274 χ^2/NDF:786177.8/26

Out: 1555.103+/-0.272 χ^2/NDF:626600.3/29

All: 1561.597+/-0.193 χ^2/NDF: 1413927.8/56


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
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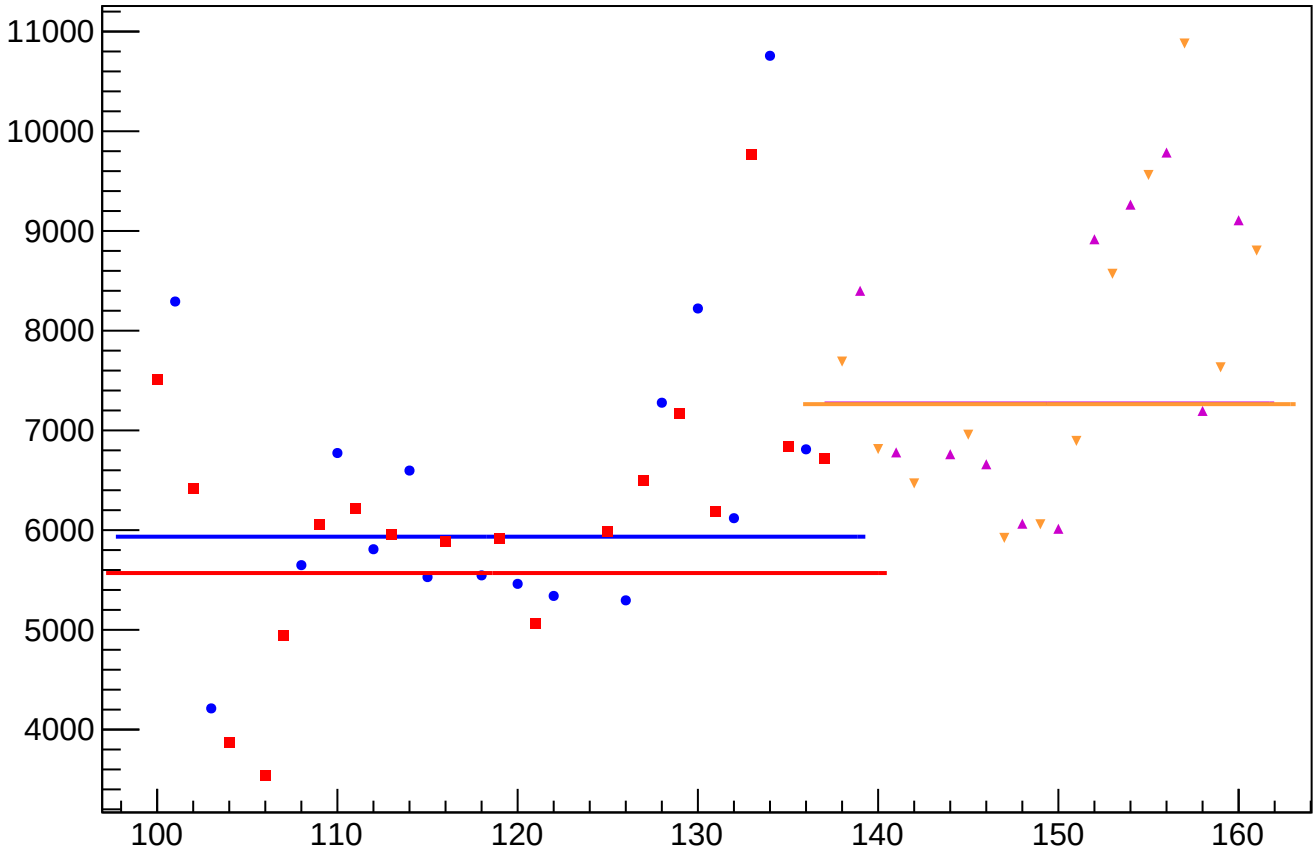
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 163.213+/-2400.839 χ²/NDF:19.0/11
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2168.025+/-2391.815 χ²/NDF:5.6/10
Left: -1006.795+/-1694.450 χ²/NDF: 25.1/22
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -186.846+/-1644.319 χ²/NDF:21.1/26
Out: 49.286+/-1594.596 χ²/NDF:35.5/29
All: -65.156+/-1144.725 χ²/NDF: 56.6/56



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7263.351+/-1.698 χ^2/NDF:548304.3/11

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

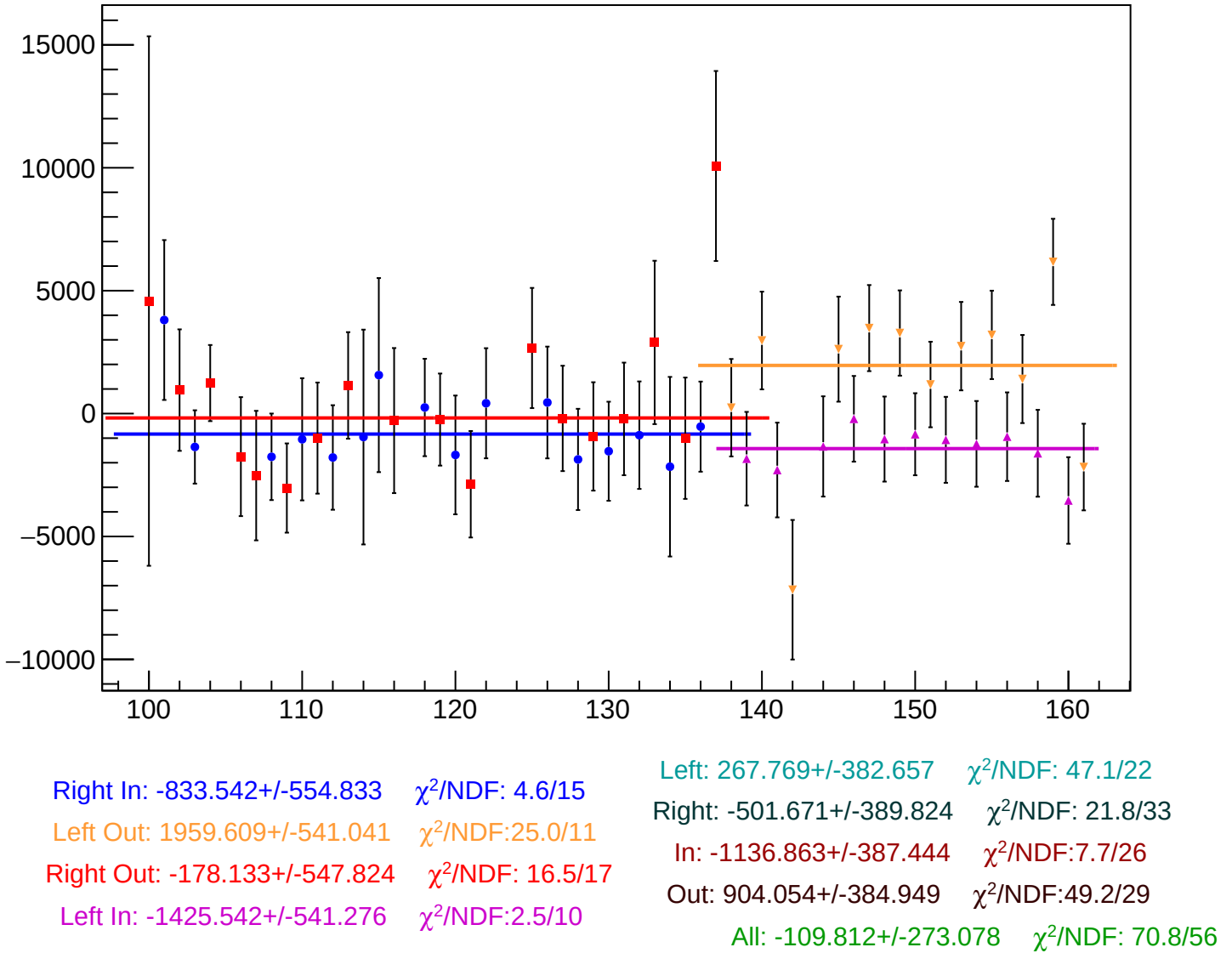
Left: 7266.672+/-1.198 χ^2/NDF: 1072679.5/22

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6565.523+/-1.163 χ^2/NDF:1506416.5/26

Out: 6316.783+/-1.128 χ^2/NDF:1828646.2/29

All: 6437.335+/-0.809 χ^2/NDF: 3358648.4/56


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1959.609+/-541.041 χ²/NDF:25.0/11
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1425.542+/-541.276 χ²/NDF:2.5/10
Left: 267.769+/-382.657 χ²/NDF: 47.1/22
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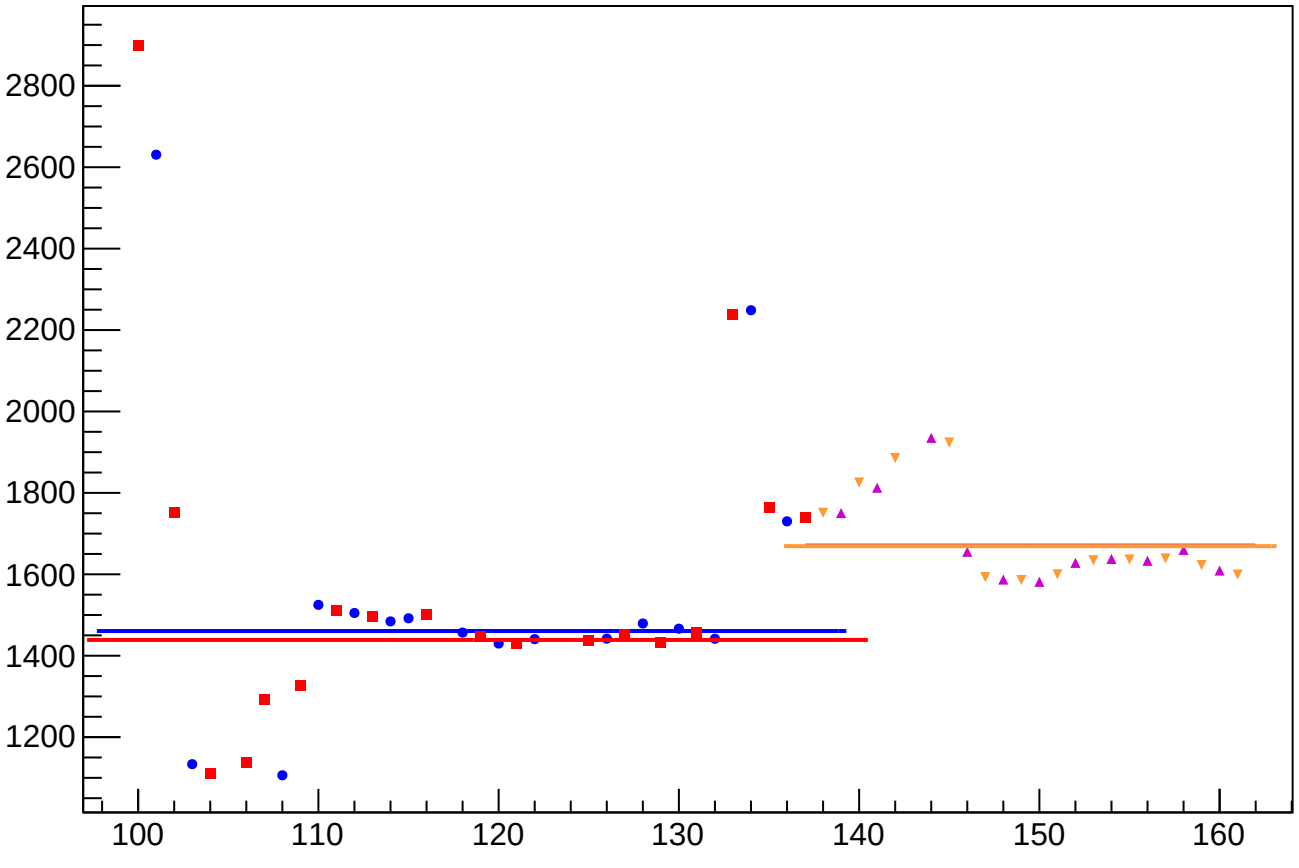
In: -1136.863+/-387.444 χ²/NDF:7.7/26
Out: 904.054+/-384.949 χ²/NDF:49.2/29
All: -109.812+/-273.078 χ²/NDF: 70.8/56



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1669.100+/-0.383 χ^2/NDF:73824.2/11

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

Left: 1669.818+/-0.271 χ^2/NDF: 137636.3/22

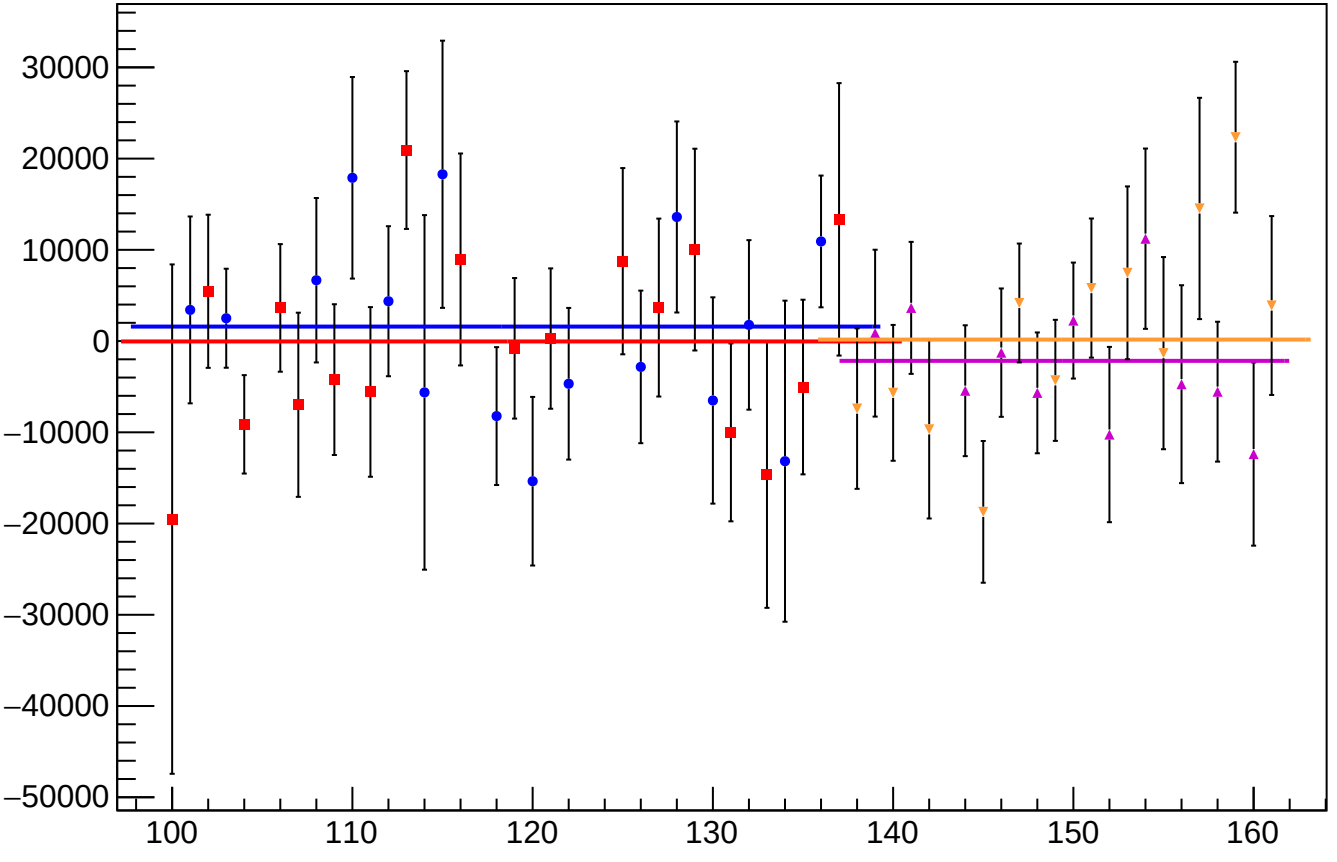
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1568.190+/-0.274 χ^2/NDF:786177.8/26

Out: 1555.103+/-0.272 χ^2/NDF:626600.3/29

All: 1561.597+/-0.193 χ^2/NDF: 1413927.8/56

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 163.213+/-2400.839 χ^2/NDF:19.0/11

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2168.025+/-2391.815 χ^2/NDF:5.6/10

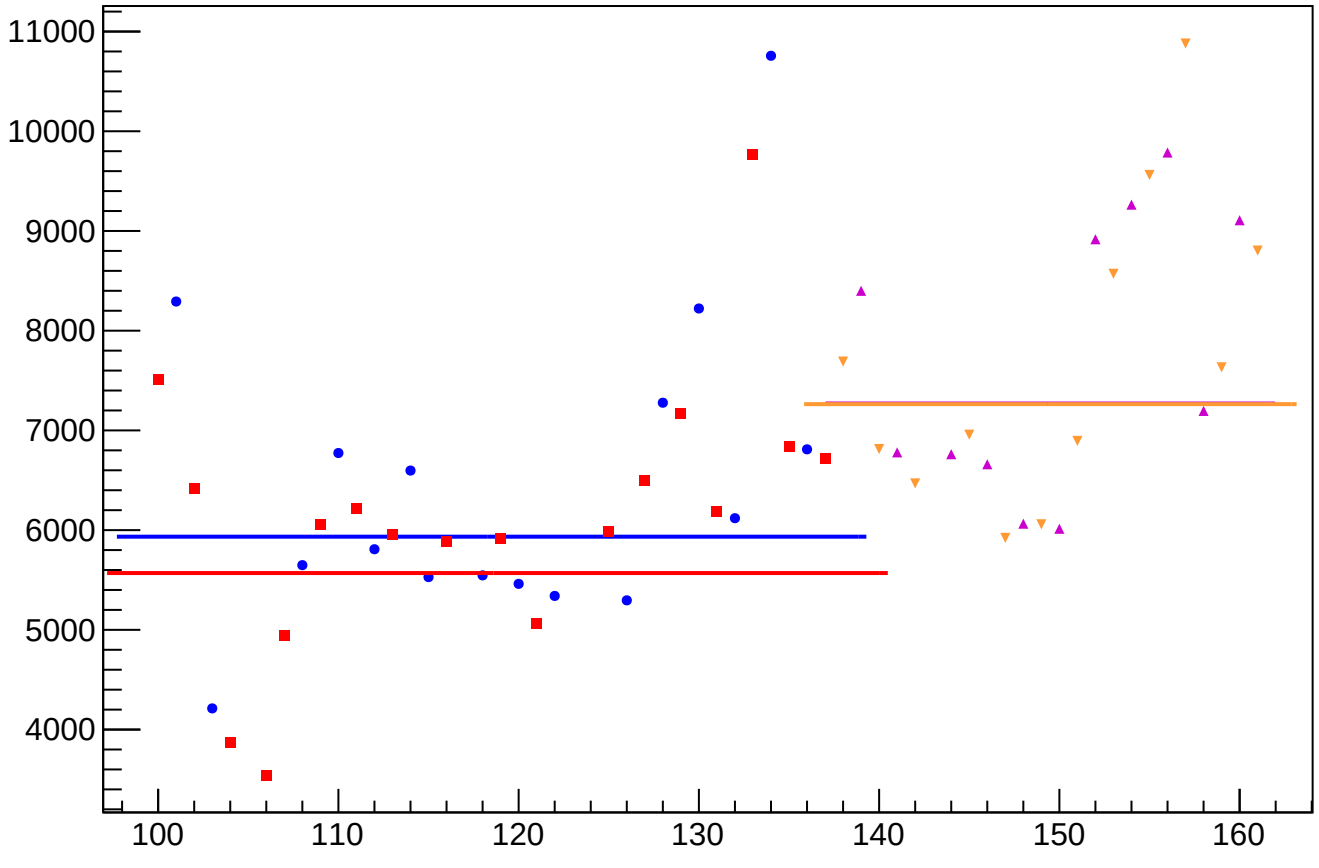
Left: -1006.795+/-1694.450 χ^2/NDF: 25.1/22

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -186.846+/-1644.319 χ^2/NDF:21.1/26

Out: 49.286+/-1594.596 χ^2/NDF:35.5/29

All: -65.156+/-1144.725 χ^2/NDF: 56.6/56



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7263.351+/-1.698 χ^2/NDF:548304.3/11

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

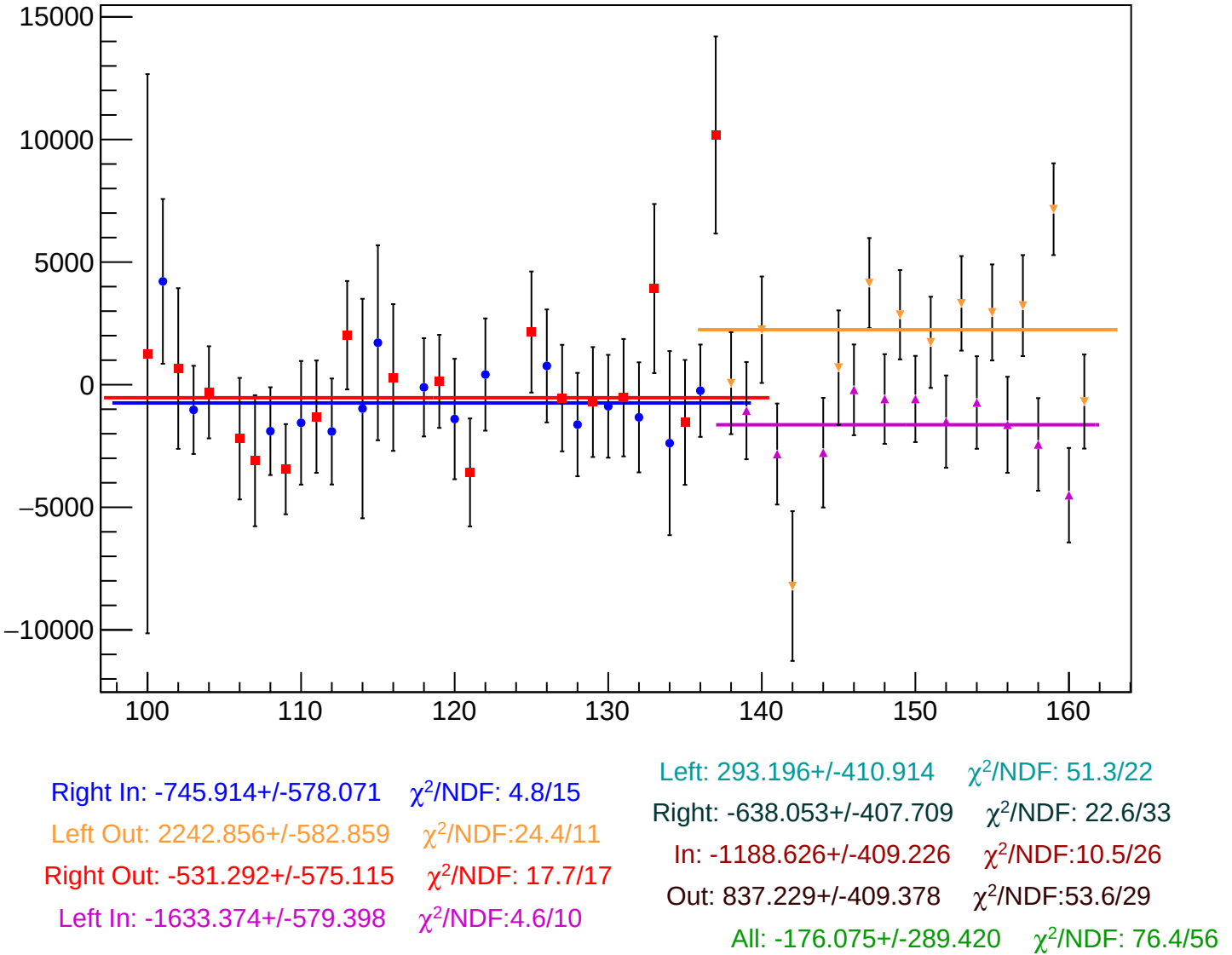
Left: 7266.672+/-1.198 χ^2/NDF: 1072679.5/22

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6565.523+/-1.163 χ^2/NDF:1506416.5/26

Out: 6316.783+/-1.128 χ^2/NDF:1828646.2/29

All: 6437.335+/-0.809 χ^2/NDF: 3358648.4/56


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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−10000
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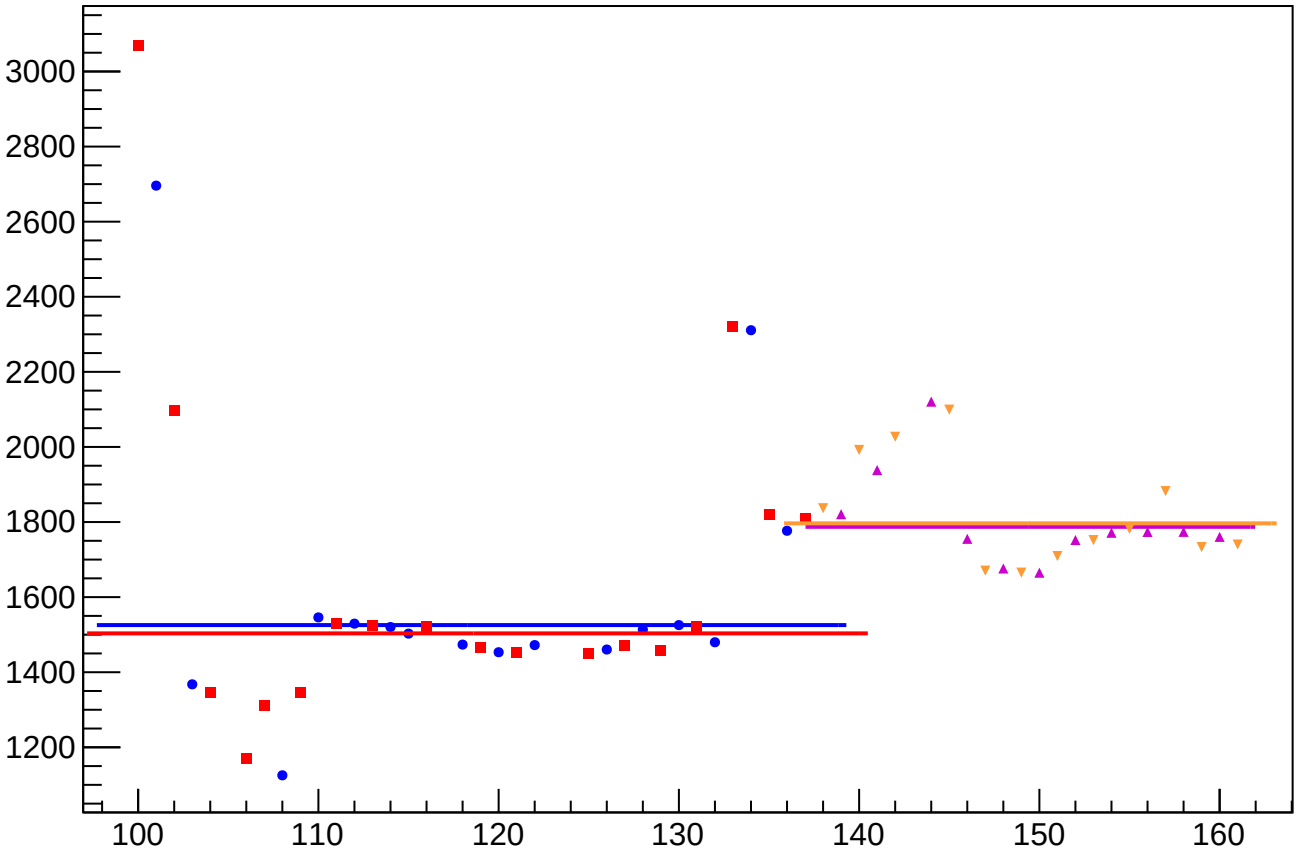
150
160
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 2242.856+/-582.859 χ²/NDF:24.4/11
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1633.374+/-579.398 χ²/NDF:4.6/10
Left: 293.196+/-410.914 χ²/NDF: 51.3/22
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1188.626+/-409.226 χ²/NDF:10.5/26
Out: 837.229+/-409.378 χ²/NDF:53.6/29
All: -176.075+/-289.420 χ²/NDF: 76.4/56



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1796.514+/-0.412 χ^2/NDF:94889.0/11

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1787.264+/-0.410 χ^2/NDF:74873.1/10

Left: 1791.862+/-0.291 χ^2/NDF: 170015.5/22

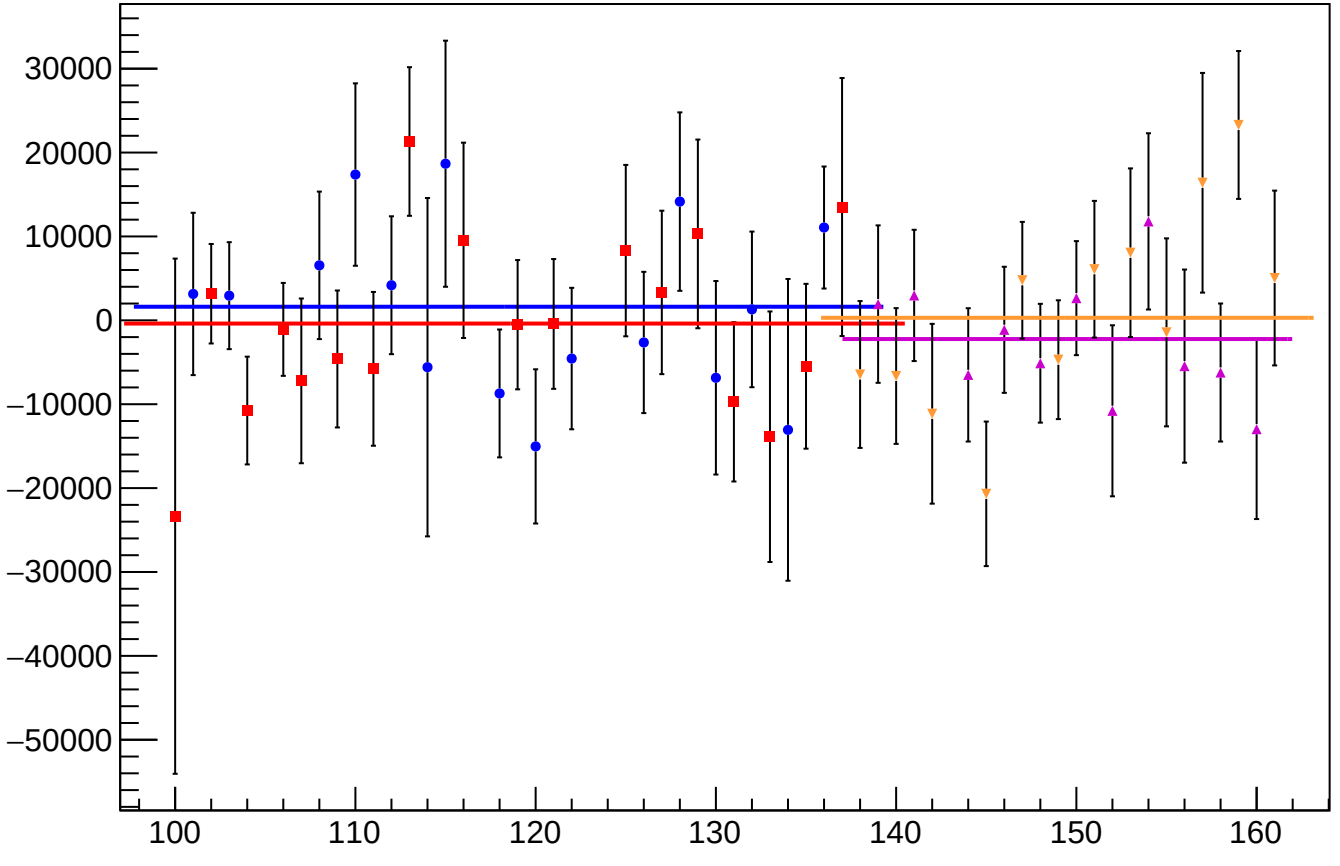
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1656.100+/-0.289 χ^2/NDF:767725.0/26

Out: 1647.971+/-0.289 χ^2/NDF:689691.0/29

All: 1652.037+/-0.205 χ^2/NDF: 1457810.4/56

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: 301.184+/-2565.528 χ^2/NDF:19.0/11

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -2231.026+/-2560.612 χ^2/NDF:5.4/10

Left: -967.349+/-1812.362 χ^2/NDF: 24.9/22

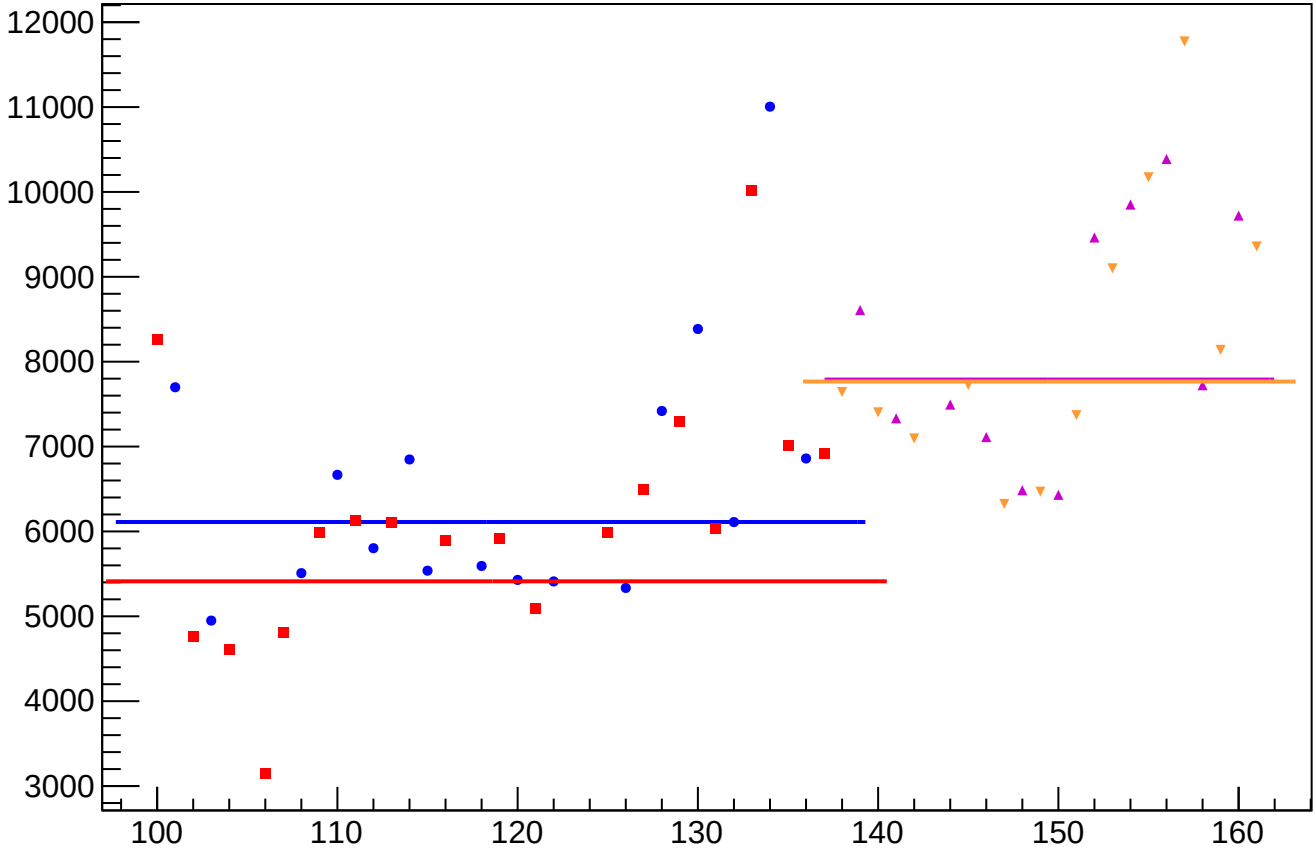
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: -116.114+/-1719.288 χ^2/NDF:20.9/26

Out: -116.451+/-1606.684 χ^2/NDF:35.0/29

All: -116.294+/-1173.888 χ^2/NDF: 55.9/56

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: 7765.973+/-1.814 χ^2/NDF:535141.8/11

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7789.491+/-1.811 χ^2/NDF:486632.1/10

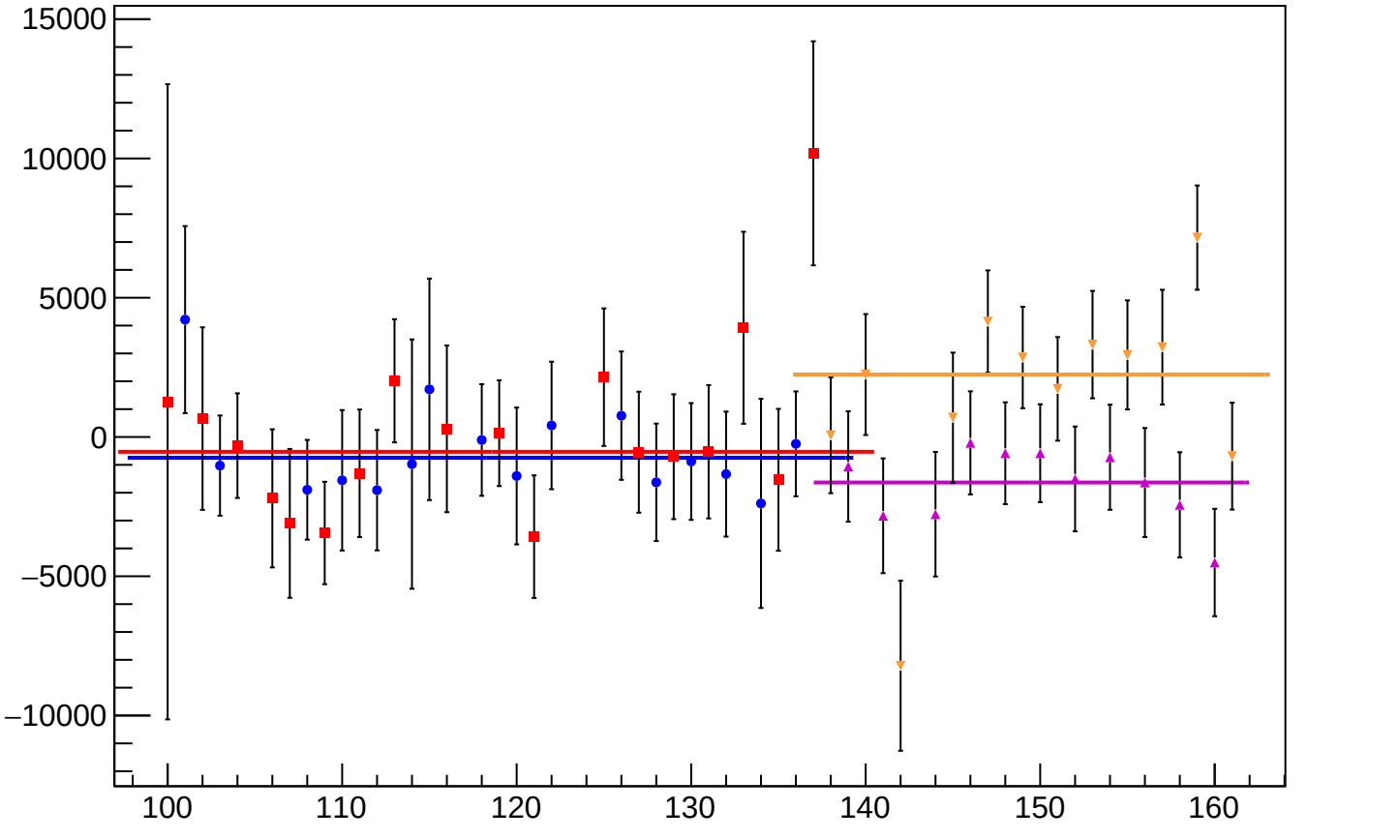
Left: 7777.754+/-1.282 χ^2/NDF: 1021858.1/22

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6867.729+/-1.216 χ^2/NDF:1430216.2/26

Out: 6335.395+/-1.136 χ^2/NDF:2379819.5/29

All: 6583.560+/-0.830 χ^2/NDF: 3912386.9/56


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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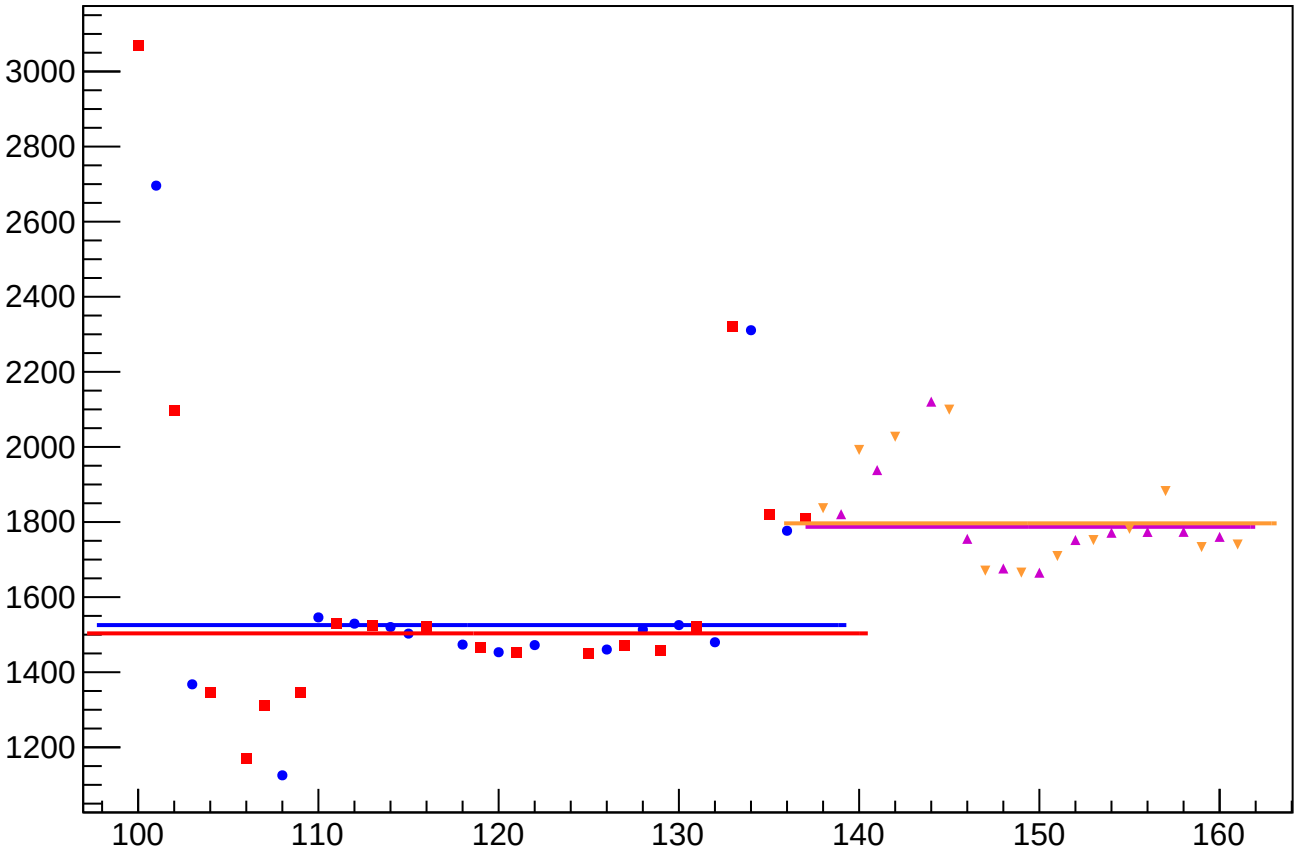
150
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 2242.862+/-582.860 χ²/NDF:24.4/11
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1633.372+/-579.399 χ²/NDF:4.6/10
Left: 293.200+/-410.915 χ²/NDF: 51.3/22
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1188.627+/-409.226 χ²/NDF:10.5/26
Out: 837.225+/-409.379 χ²/NDF:53.6/29
All: -176.078+/-289.421 χ²/NDF: 76.4/56



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1796.517+/-0.412 χ^2/NDF:94889.9/11

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1787.267+/-0.410 χ^2/NDF:74873.2/10

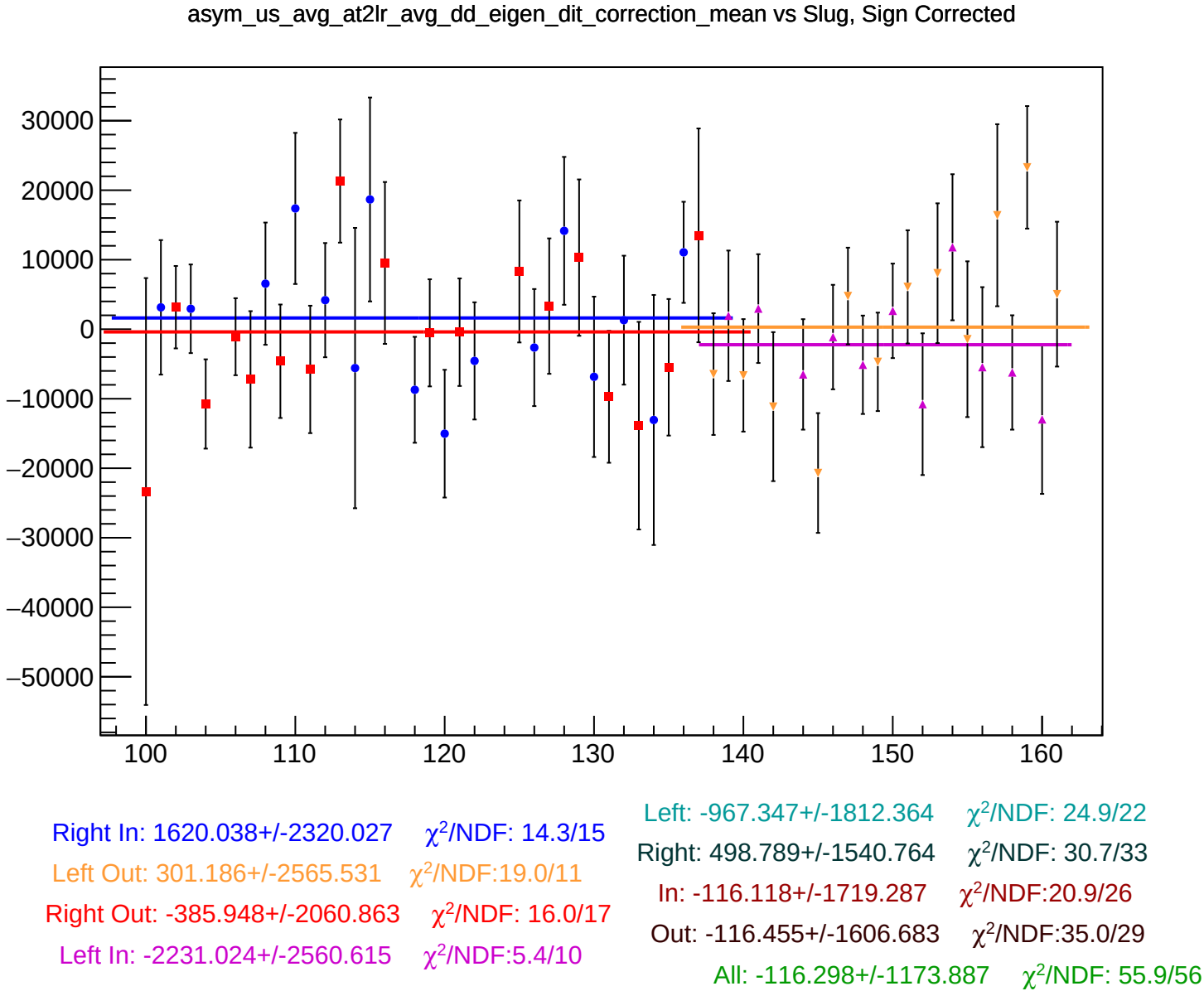
Left: 1791.864+/-0.291 χ^2/NDF: 170016.5/22

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1656.101+/-0.289 χ^2/NDF:767728.3/26

Out: 1647.973+/-0.289 χ^2/NDF:689696.0/29

All: 1652.038+/-0.205 χ^2/NDF: 1457818.7/56


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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−40000
−50000
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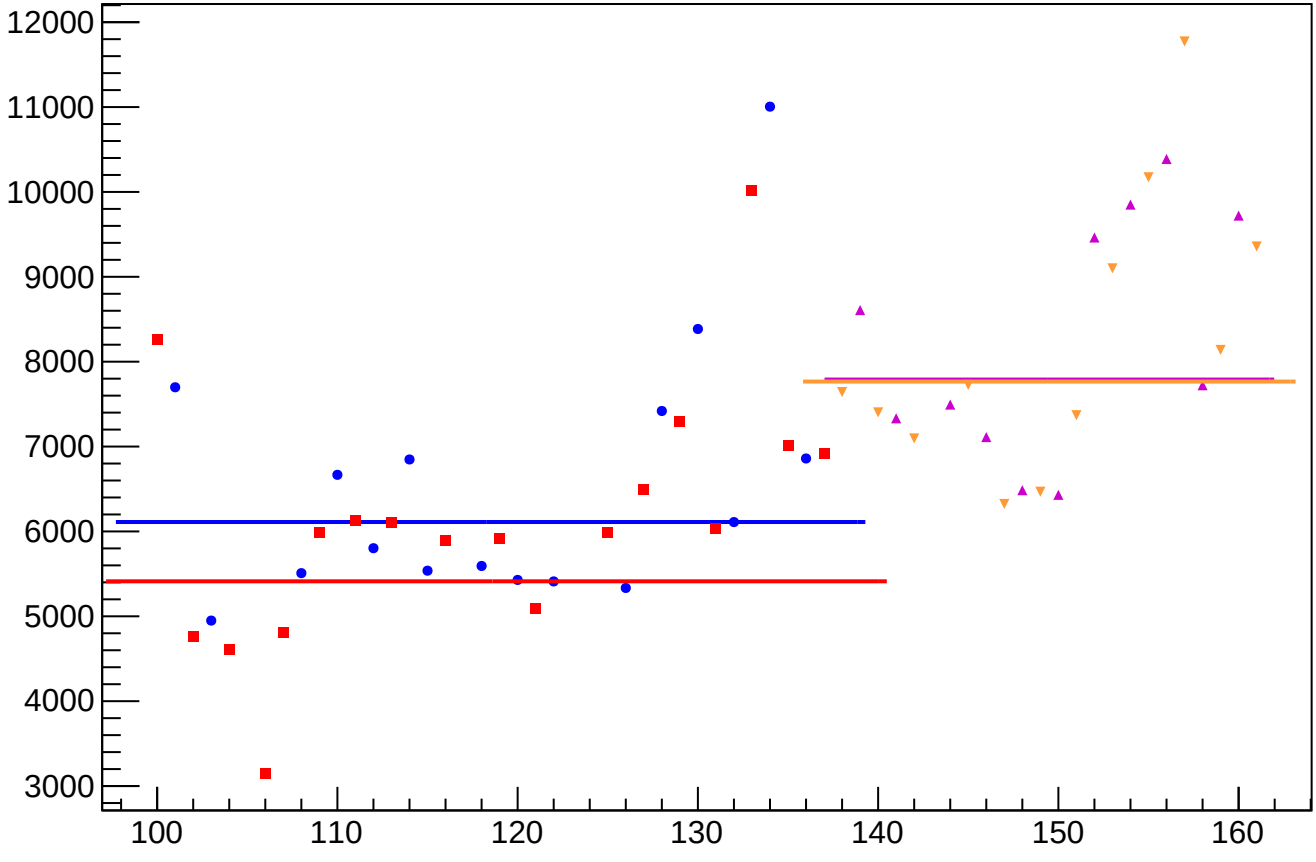
150
160
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 301.186+/-2565.531 χ²/NDF:19.0/11
Right Out: -385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: -2231.024+/-2560.615 χ²/NDF:5.4/10
Left: -967.347+/-1812.364 χ²/NDF: 24.9/22
Right: 498.789+/-1540.764 χ²/NDF: 30.7/33
In: -116.118+/-1719.287 χ²/NDF:20.9/26
Out: -116.455+/-1606.683 χ²/NDF:35.0/29
All: -116.298+/-1173.887 χ²/NDF: 55.9/56

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: 7765.982+/-1.814 χ^2/NDF:535142.1/11

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7789.500+/-1.811 χ^2/NDF:486632.2/10

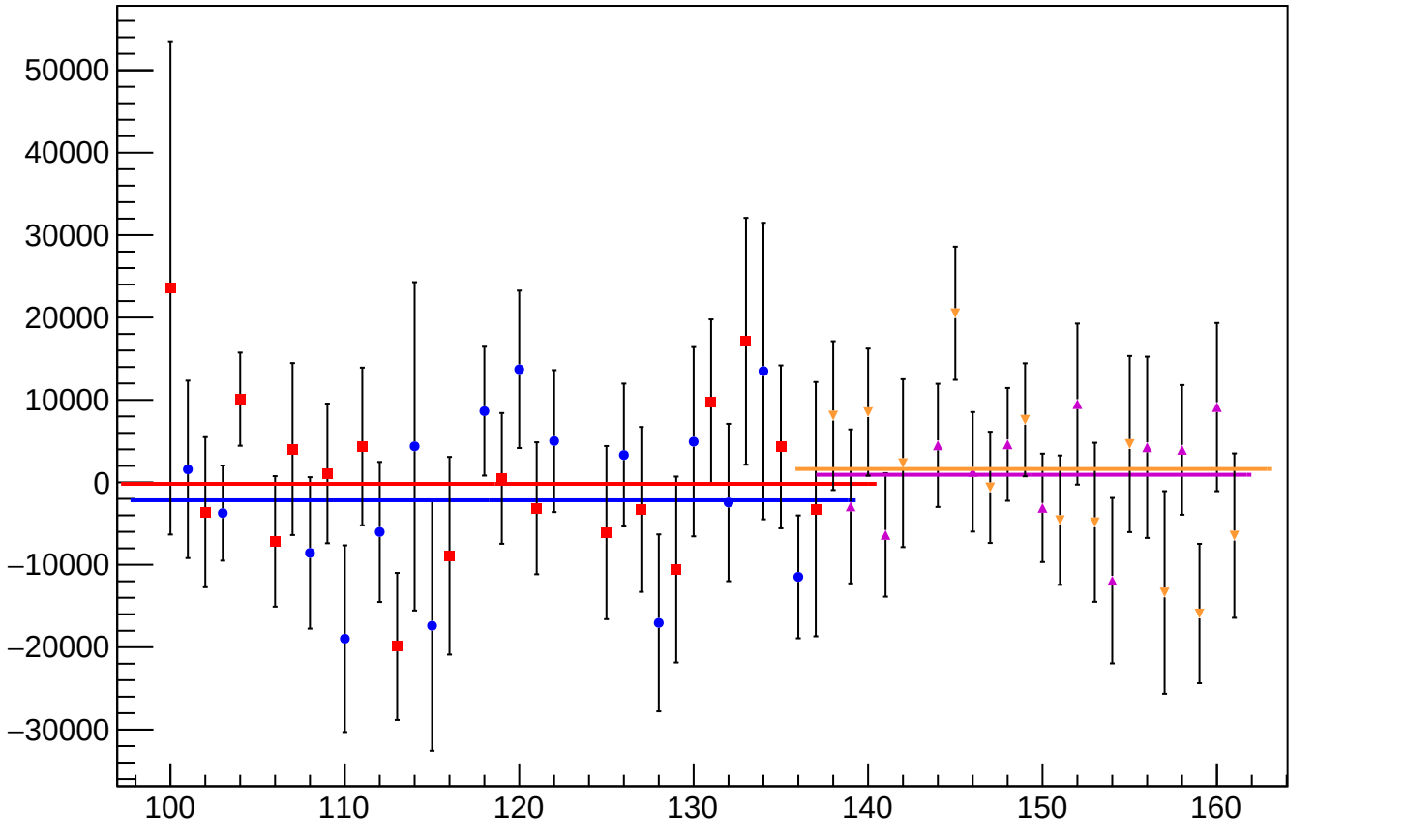
Left: 7777.764+/-1.282 χ^2/NDF: 1021858.5/22

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6867.723+/-1.216 χ^2/NDF:1430231.5/26

Out: 6335.388+/-1.136 χ^2/NDF:2379838.0/29

All: 6583.553+/-0.830 χ^2/NDF: 3912421.2/56



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1622.443+/-2471.934 χ^2/NDF:15.3/11

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 921.953+/-2460.949 χ^2/NDF:5.3/10

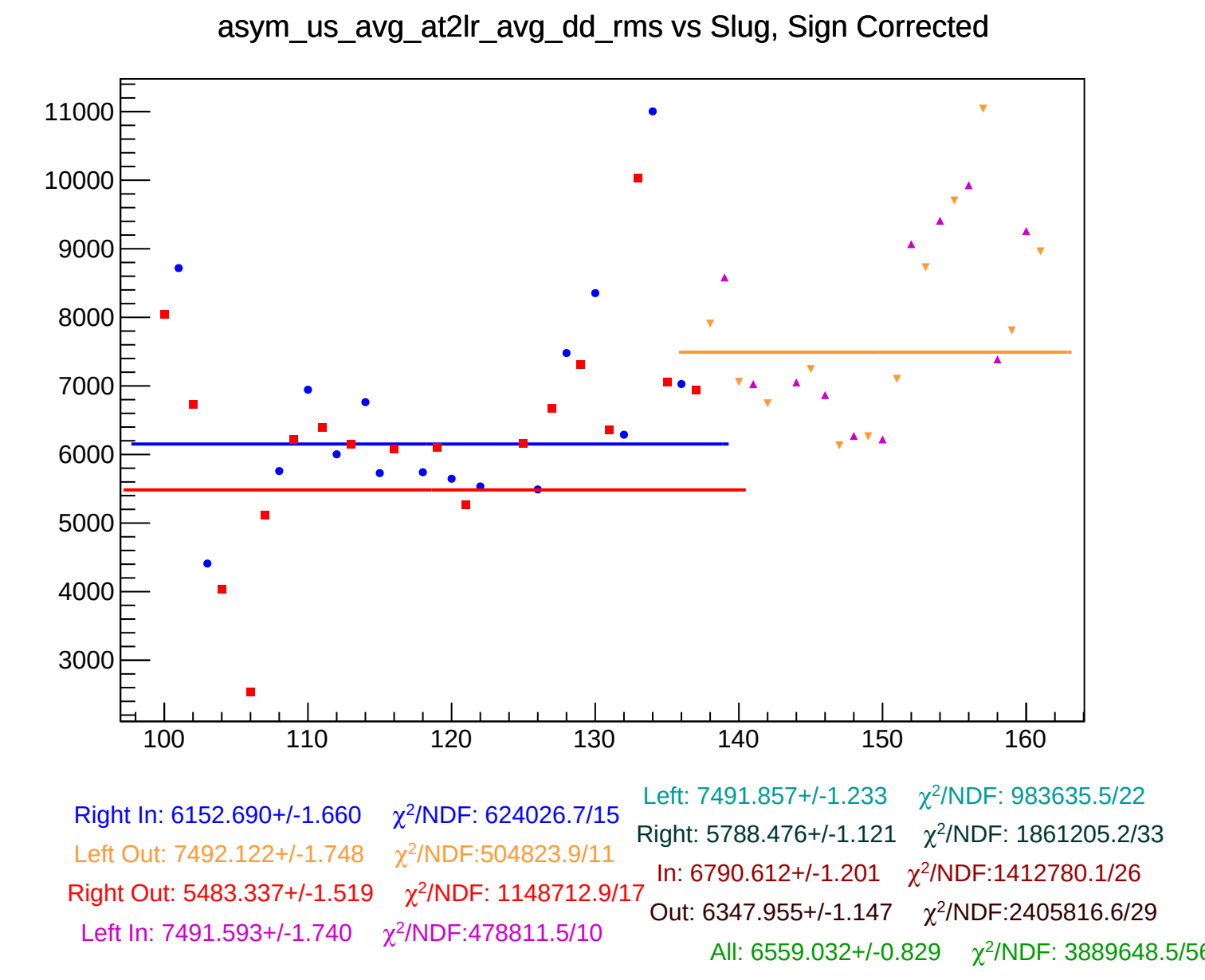
Left: 1270.638+/-1744.024 χ^2/NDF: 20.6/22

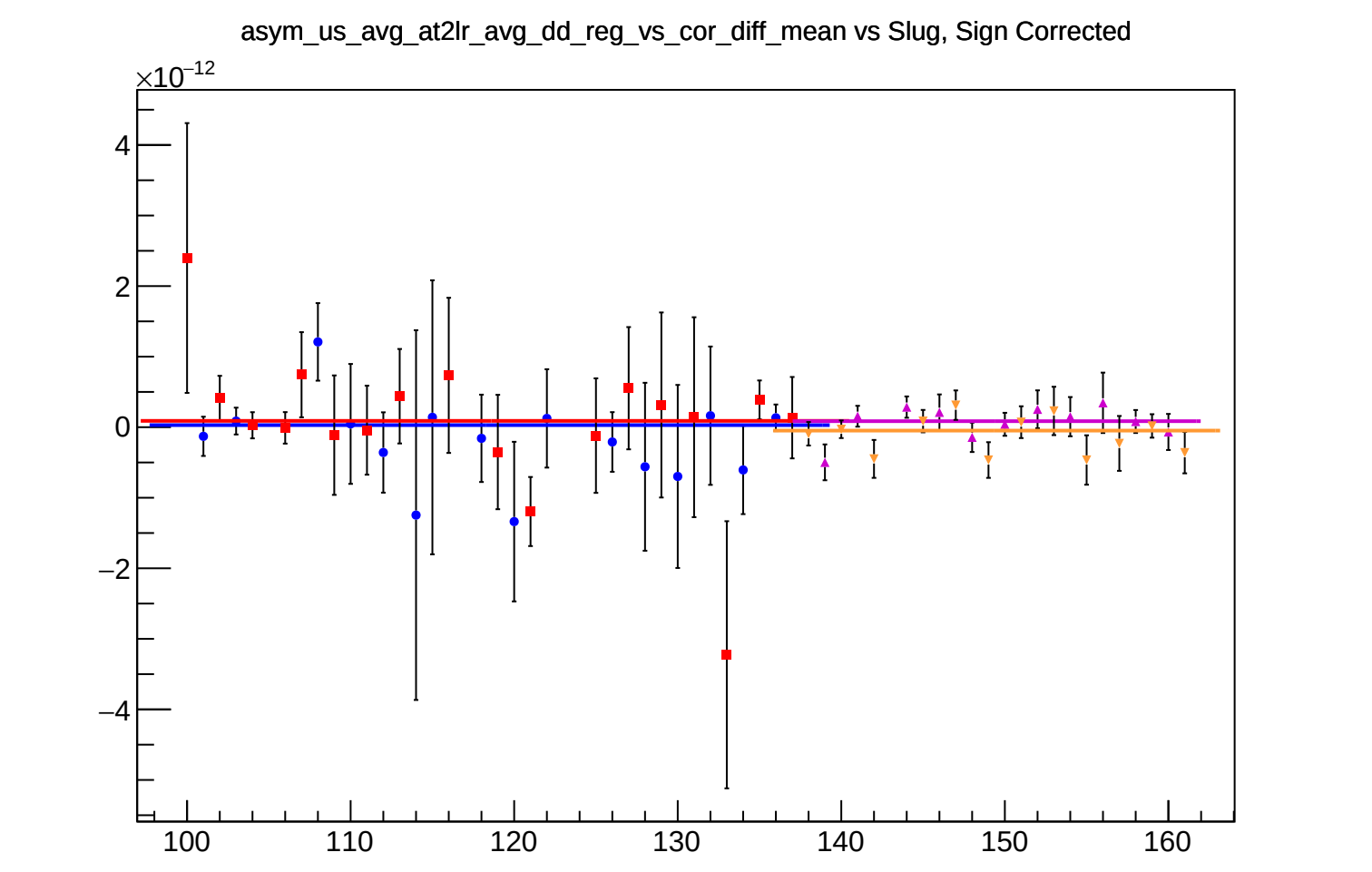
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -698.945+/-1698.686 χ^2/NDF:20.7/26

Out: 626.314+/-1655.335 χ^2/NDF:30.2/29

All: -19.189+/-1185.529 χ^2/NDF: 51.2/56


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7492.122+/-1.748 χ²/NDF:504823.9/11
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7491.593+/-1.740 χ²/NDF:478811.5/10
Left: 7491.857+/-1.233 χ²/NDF: 983635.5/22
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6790.612+/-1.201 χ²/NDF:1412780.1/26
Out: 6347.955+/-1.147 χ²/NDF:2405816.6/29
All: 6559.032+/-0.829 χ²/NDF: 3889648.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

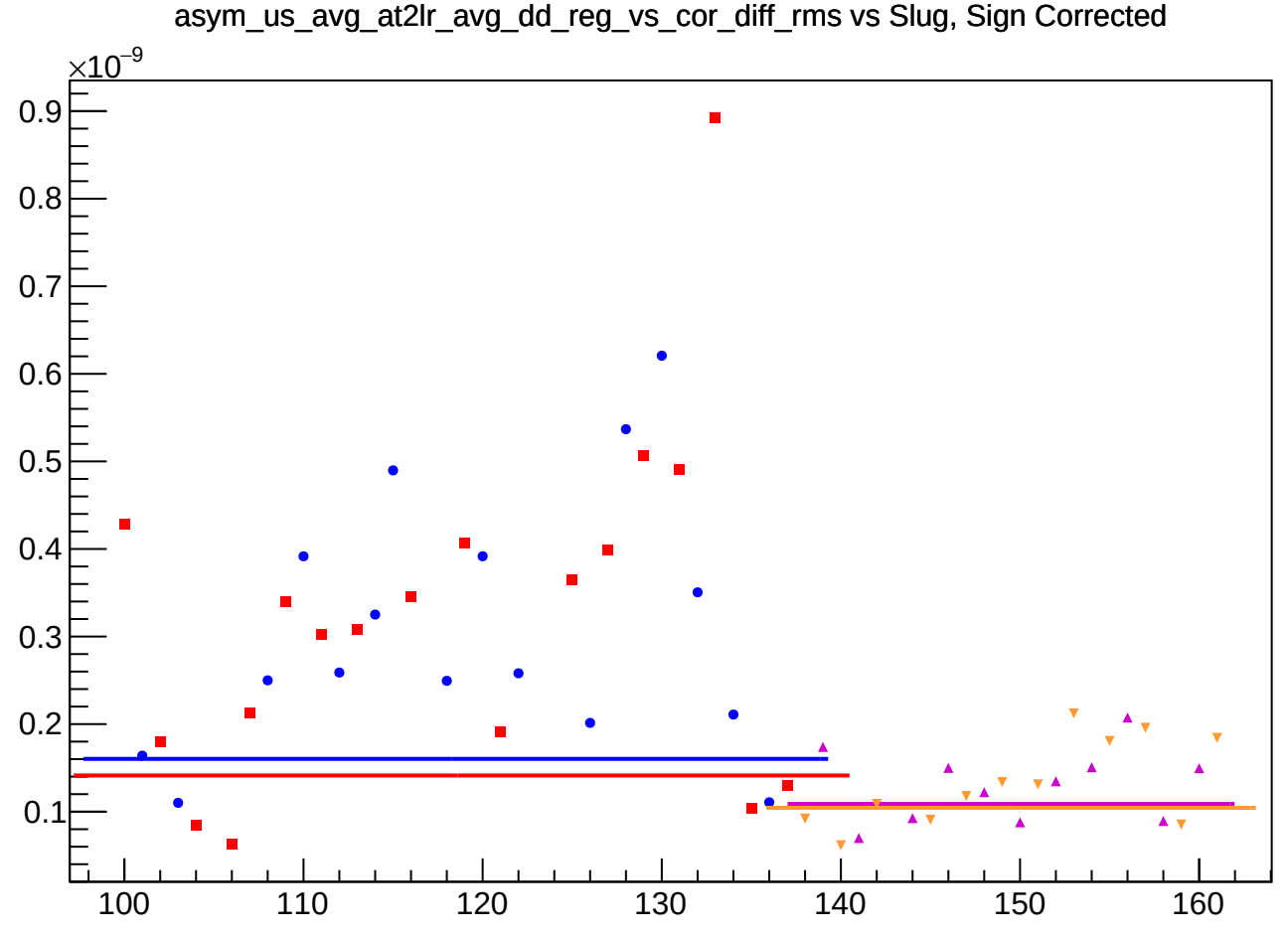
Left: 0.000+/-0.000 χ^2/NDF: 25.0/22

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:19.7/26

Out: -0.000+/-0.000 χ^2/NDF:30.4/29

All: 0.000+/-0.000 χ^2/NDF: 51.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:902805.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:637886.6/10

Left: 0.000+/-0.000 χ^2/NDF: 1546124.8/22

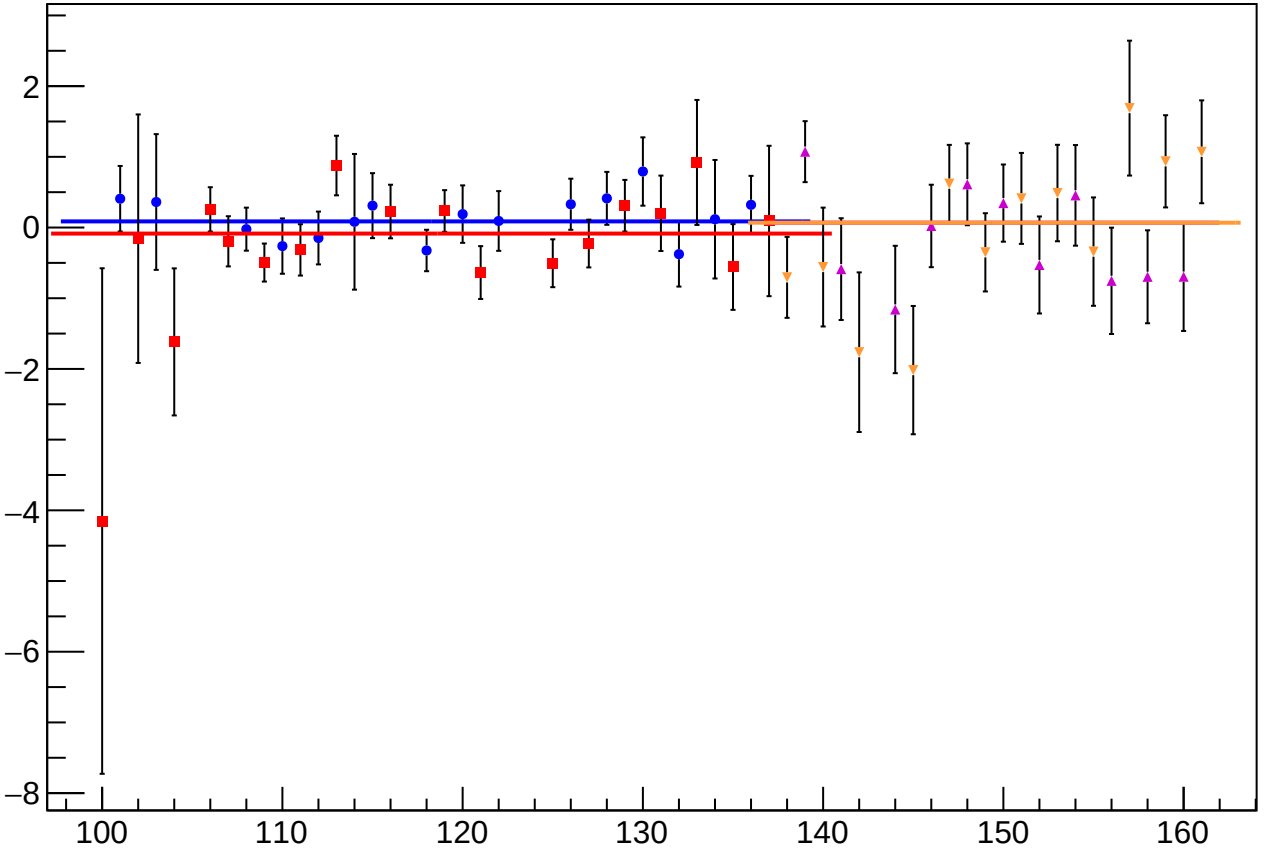
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2332271.9/26

Out: 0.000+/-0.000 χ^2/NDF:3262815.8/29

All: 0.000+/-0.000 χ^2/NDF: 5621485.2/56

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.068+/-0.201 χ^2/NDF:19.4/11

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.069+/-0.190 χ^2/NDF:13.9/10

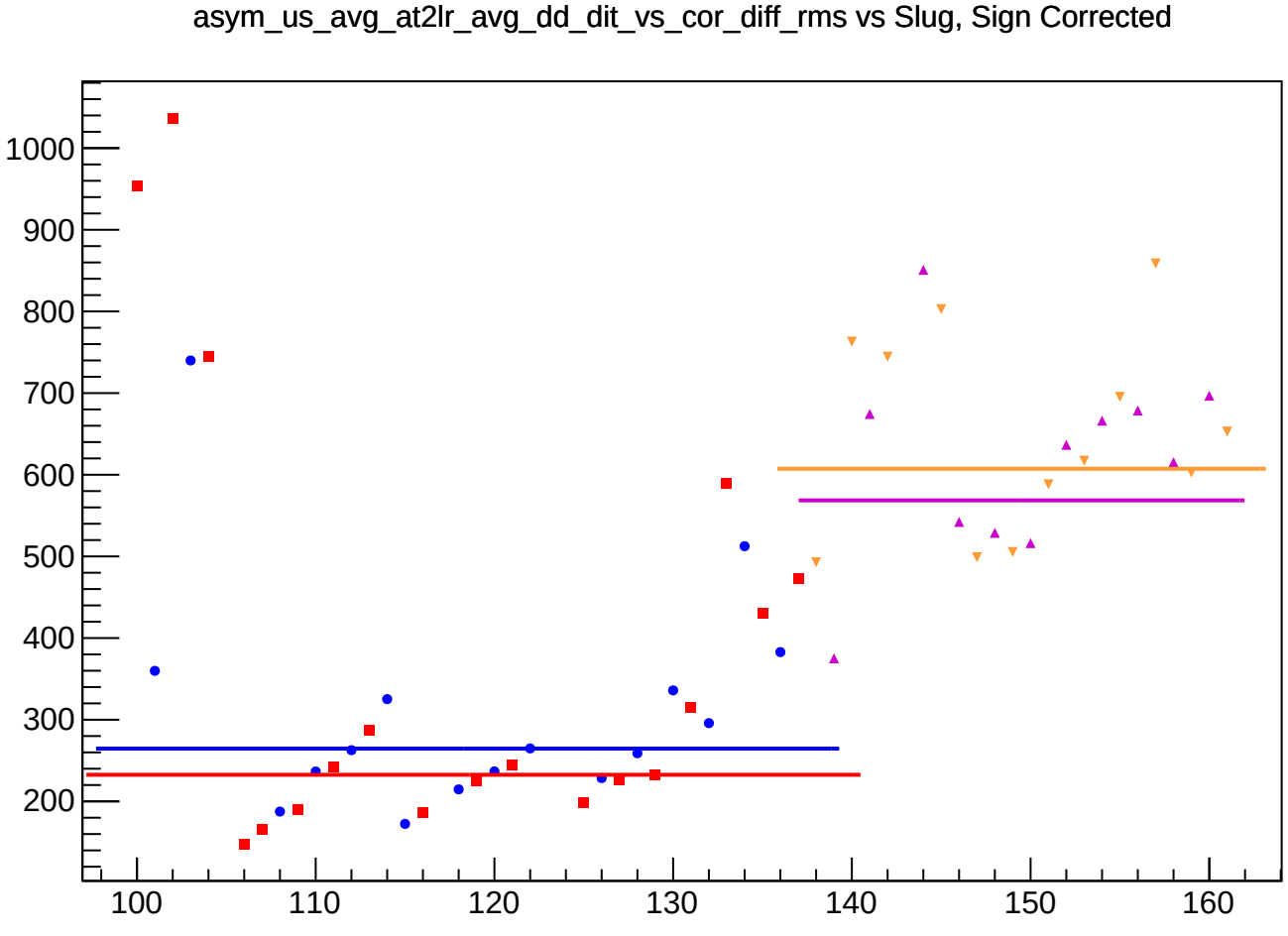
Left: 0.069+/-0.138 χ^2/NDF: 33.2/22

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.056+/-0.088 χ^2/NDF:41.7/29

All: 0.010+/-0.063 χ^2/NDF: 65.6/56


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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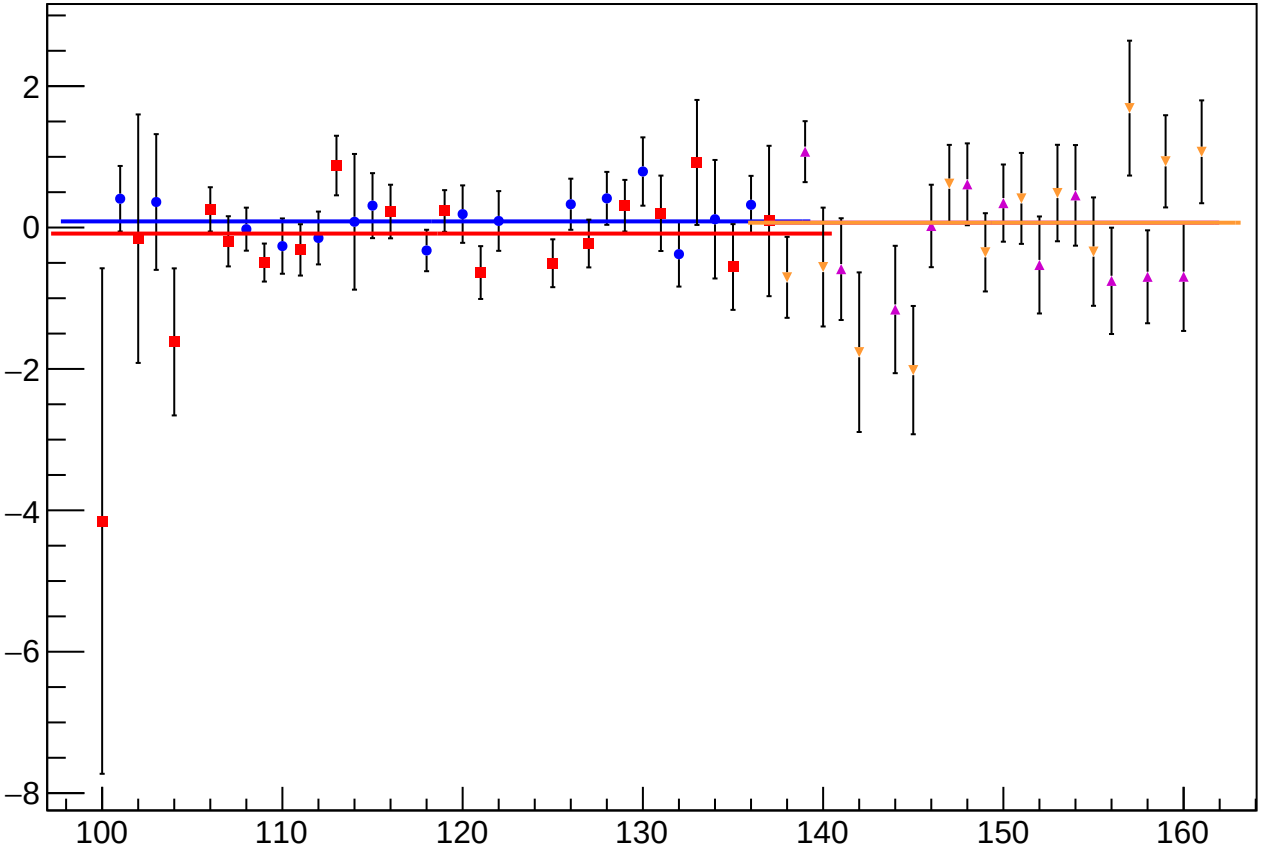
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 607.323+/-0.142 χ²/NDF:592114.8/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 568.597+/-0.134 χ²/NDF:839818.1/10
Left: 586.834+/-0.098 χ²/NDF: 1471050.0/22
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 335.840+/-0.065 χ²/NDF:6042105.7/26
Out: 303.543+/-0.062 χ²/NDF:8236873.1/29
All: 318.916+/-0.045 χ²/NDF: 14408265.0/56

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: 0.068+/-0.201 χ^2/NDF:19.4/11

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.069+/-0.190 χ^2/NDF:13.9/10

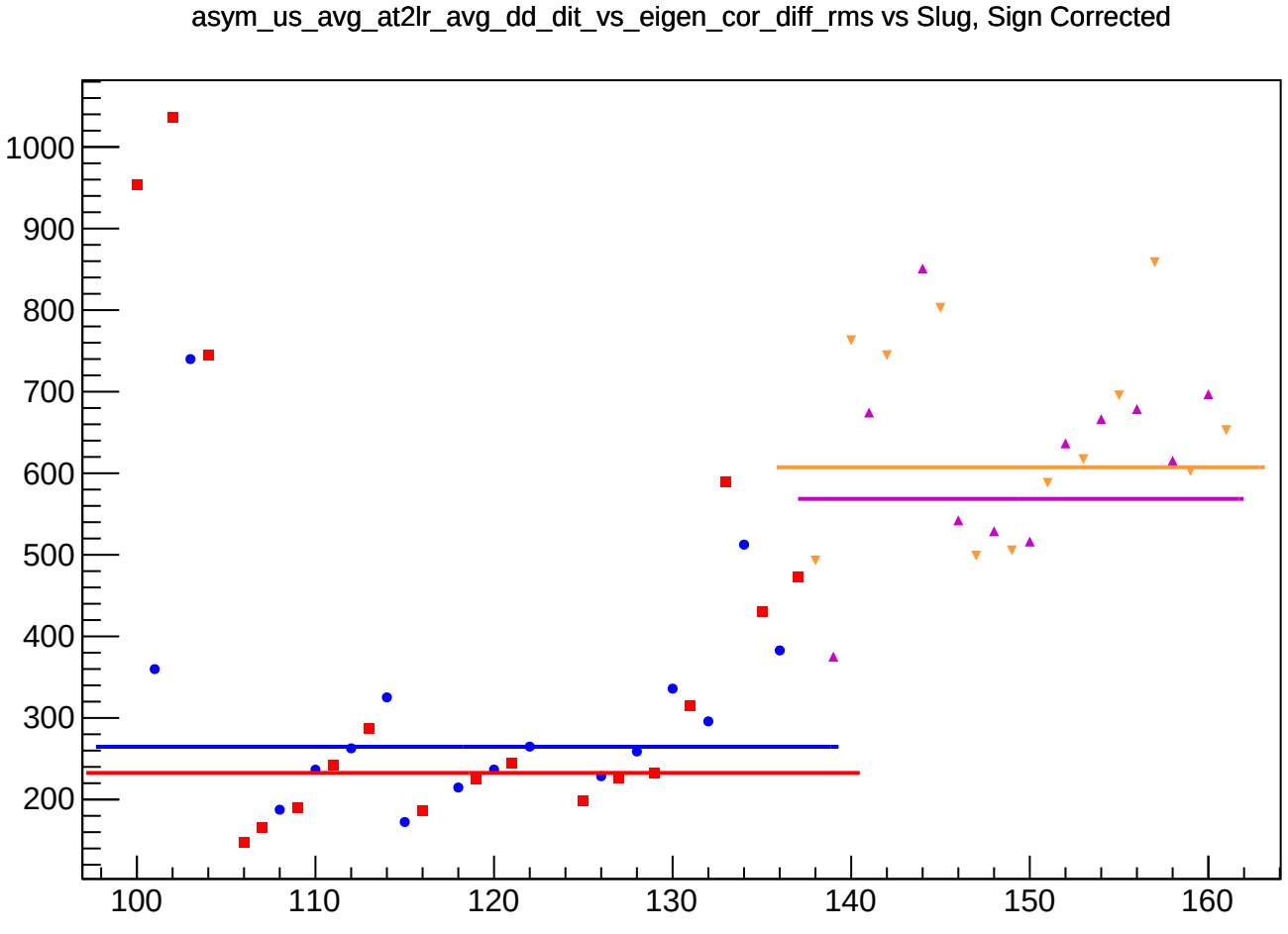
Left: 0.069+/-0.138 χ^2/NDF: 33.2/22

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.056+/-0.088 χ^2/NDF:41.7/29

All: 0.010+/-0.063 χ^2/NDF: 65.6/56


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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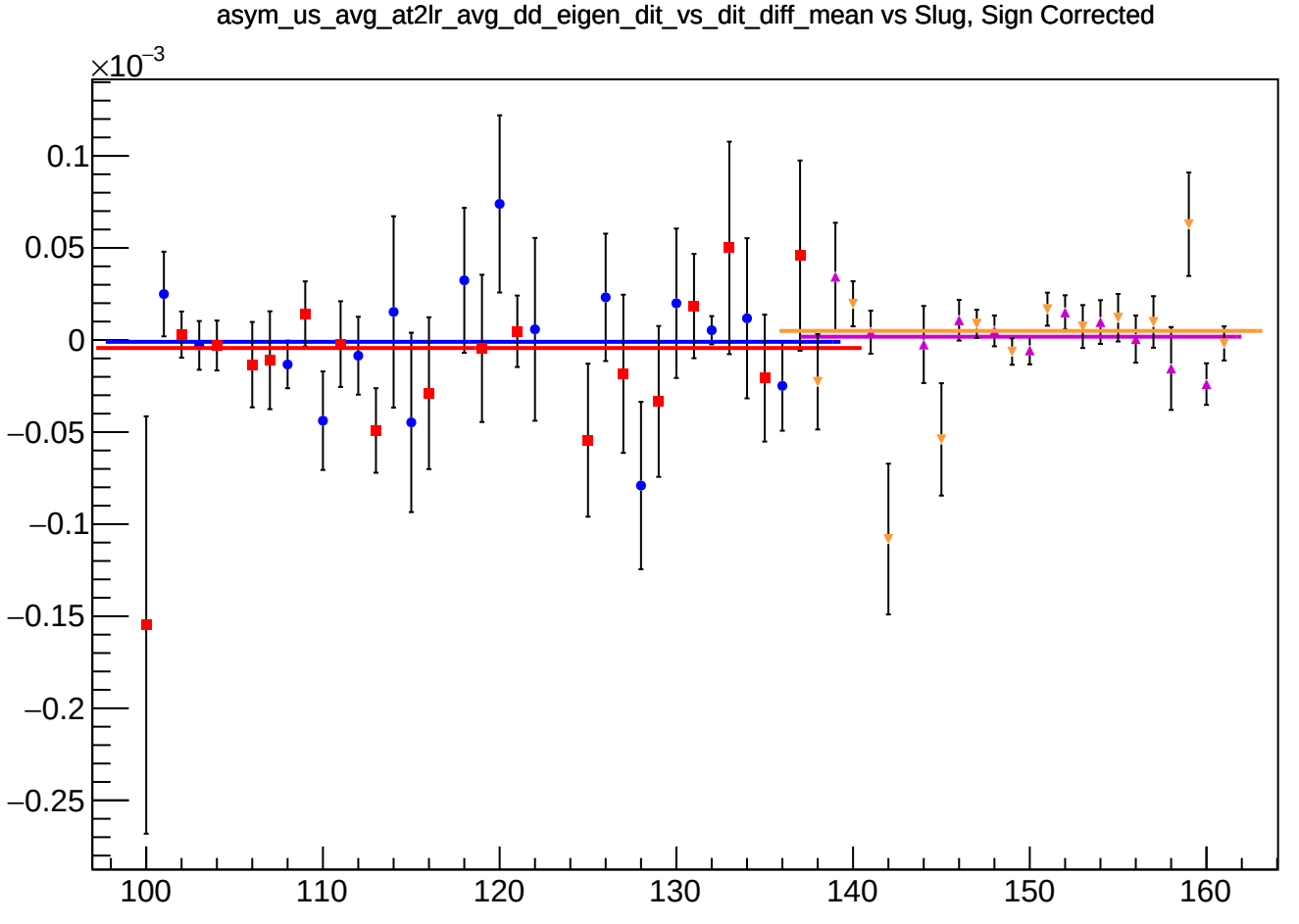
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 607.323+/-0.142 χ²/NDF:592114.8/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 568.597+/-0.134 χ²/NDF:839818.1/10
Left: 586.834+/-0.098 χ²/NDF: 1471050.0/22
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 335.840+/-0.065 χ²/NDF:6042105.7/26
Out: 303.543+/-0.062 χ²/NDF:8236873.1/29
All: 318.916+/-0.045 χ²/NDF: 14408265.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/10

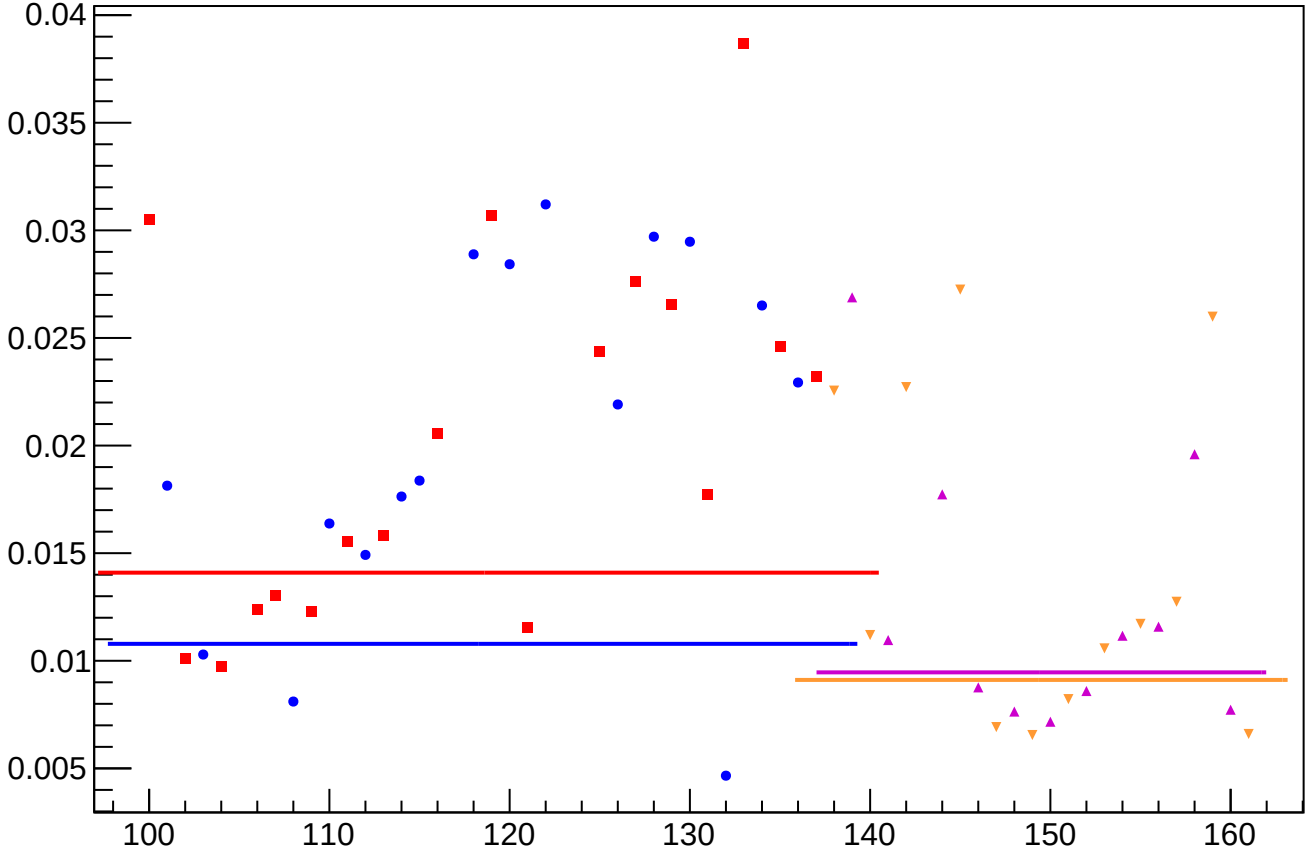
Left: 0.000+/-0.000 χ^2/NDF: 35.4/22

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:25.9/26

Out: 0.000+/-0.000 χ^2/NDF:38.2/29

All: 0.000+/-0.000 χ^2/NDF: 64.3/56



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:3082018.6/11

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1907400.0/10

Left: 0.009+/-0.000 χ^2/NDF: 5000246.8/22

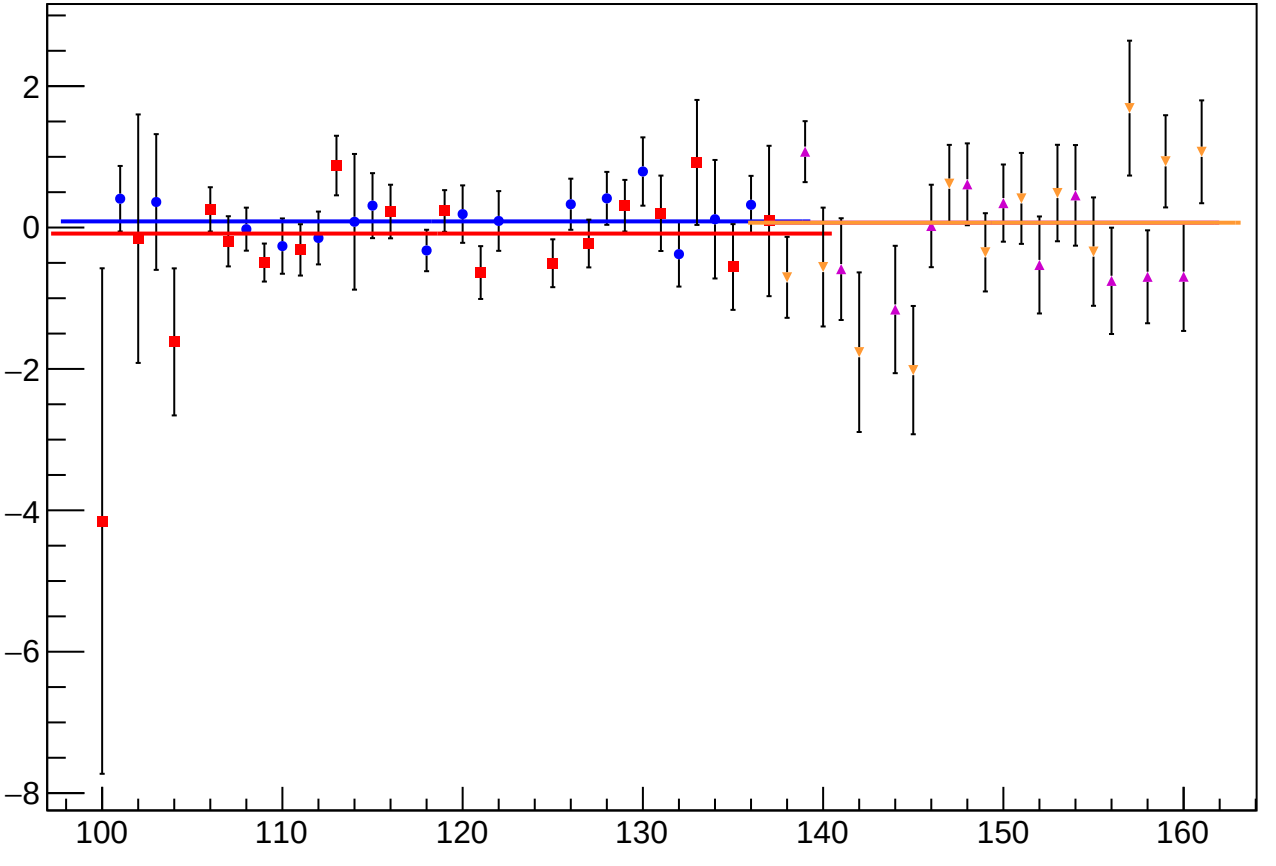
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6584037.1/26

Out: 0.010+/-0.000 χ^2/NDF:6298894.3/29

All: 0.010+/-0.000 χ^2/NDF: 12911005.6/56

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: 0.068+/-0.201 χ^2/NDF:19.4/11

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.069+/-0.190 χ^2/NDF:13.9/10

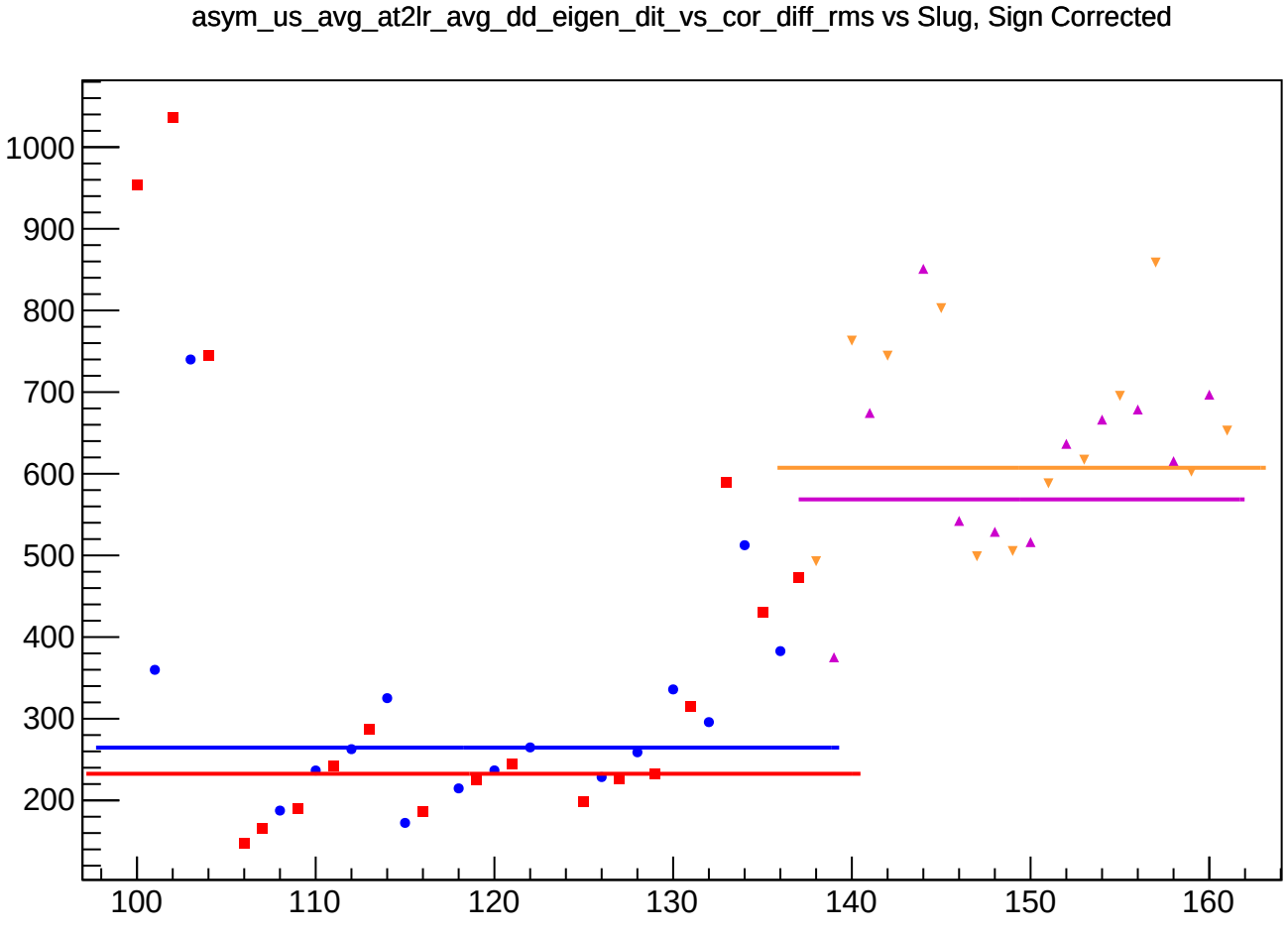
Left: 0.069+/-0.138 χ^2/NDF: 33.2/22

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.056+/-0.088 χ^2/NDF:41.7/29

All: 0.010+/-0.063 χ^2/NDF: 65.6/56


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
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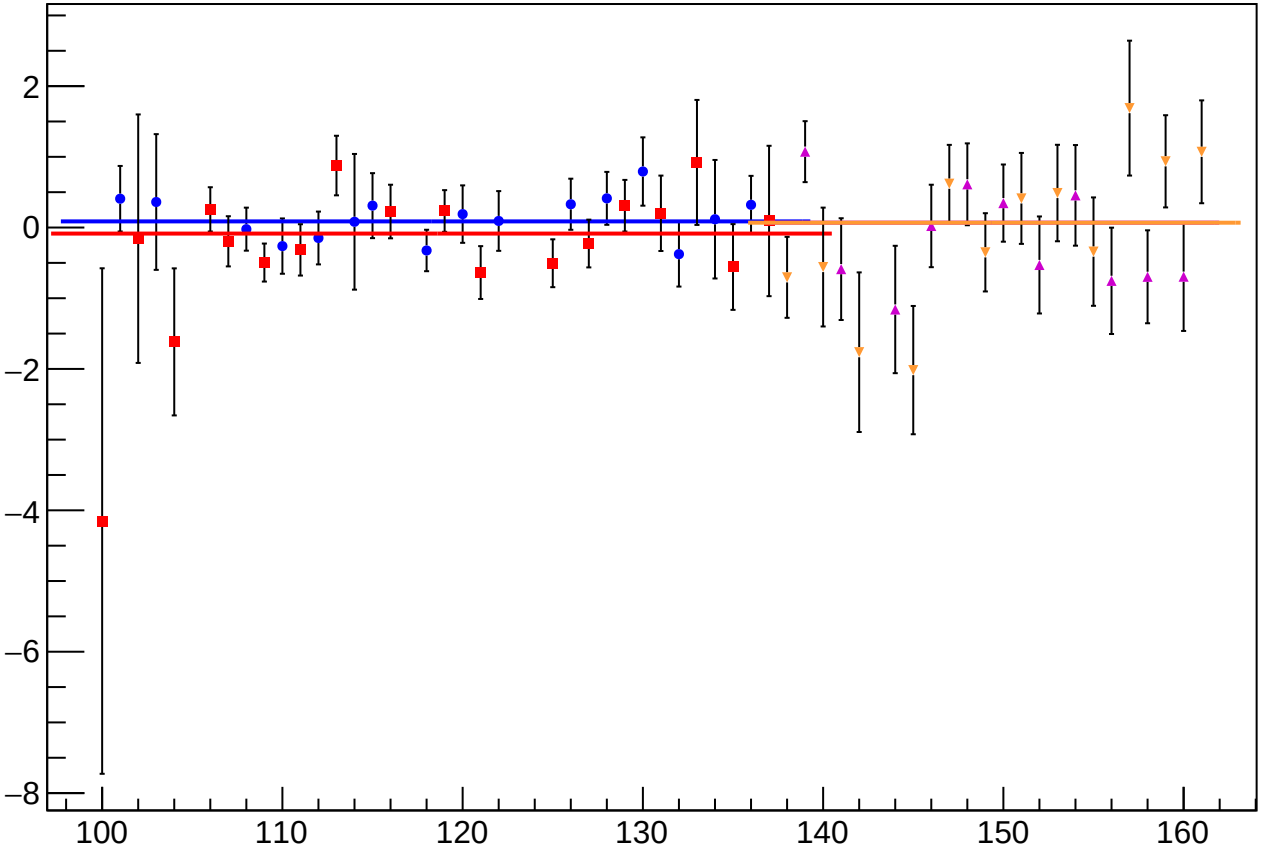
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 607.329+/-0.142 χ²/NDF:592120.5/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 568.605+/-0.134 χ²/NDF:839787.2/10
Left: 586.841+/-0.098 χ²/NDF: 1471021.3/22
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 335.840+/-0.065 χ²/NDF:6042175.7/26
Out: 303.544+/-0.062 χ²/NDF:8236945.3/29
All: 318.916+/-0.045 χ²/NDF: 14408401.0/56

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: 0.068+/-0.201 χ^2/NDF:19.4/11

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.069+/-0.190 χ^2/NDF:13.9/10

Left: 0.069+/-0.138 χ^2/NDF: 33.2/22

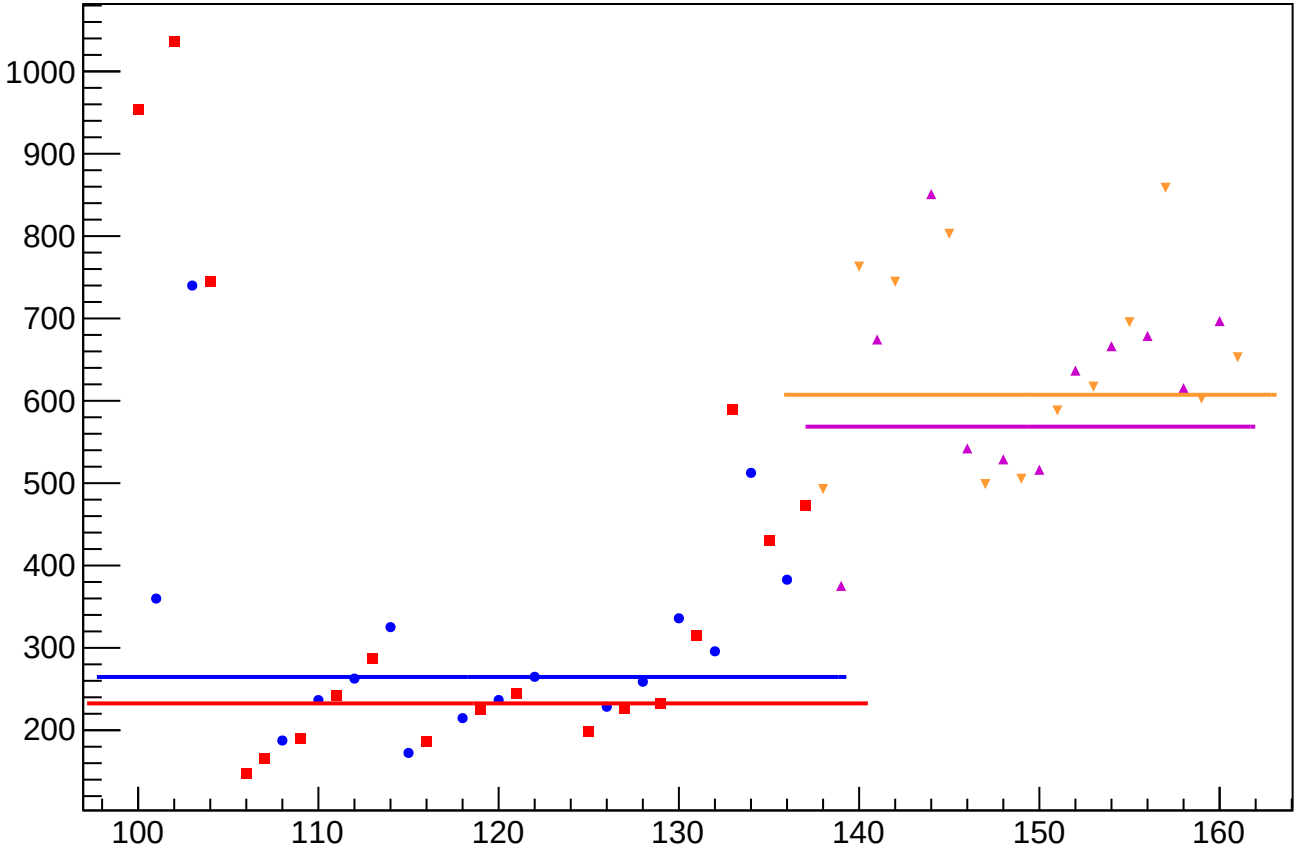
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.083+/-0.092 χ^2/NDF:22.7/26

Out: -0.056+/-0.088 χ^2/NDF:41.7/29

All: 0.010+/-0.063 χ^2/NDF: 65.6/56

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: 607.329+/-0.142 χ^2/NDF:592120.5/11

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 568.605+/-0.134 χ^2/NDF:839787.2/10

Left: 586.841+/-0.098 χ^2/NDF: 1471021.3/22

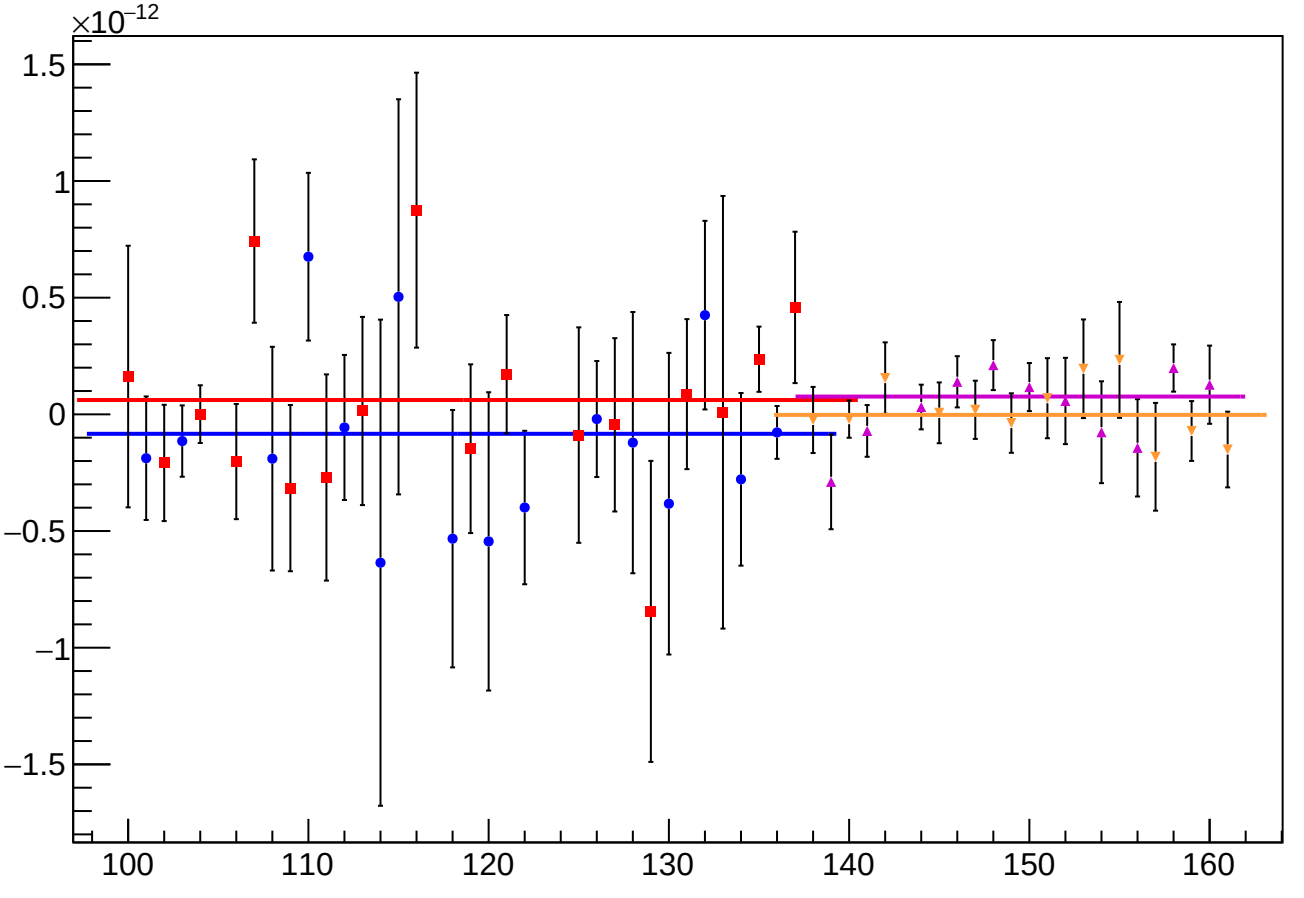
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 335.840+/-0.065 χ^2/NDF:6042175.7/26

Out: 303.544+/-0.062 χ^2/NDF:8236945.3/29

All: 318.916+/-0.045 χ^2/NDF: 14408401.0/56

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/10

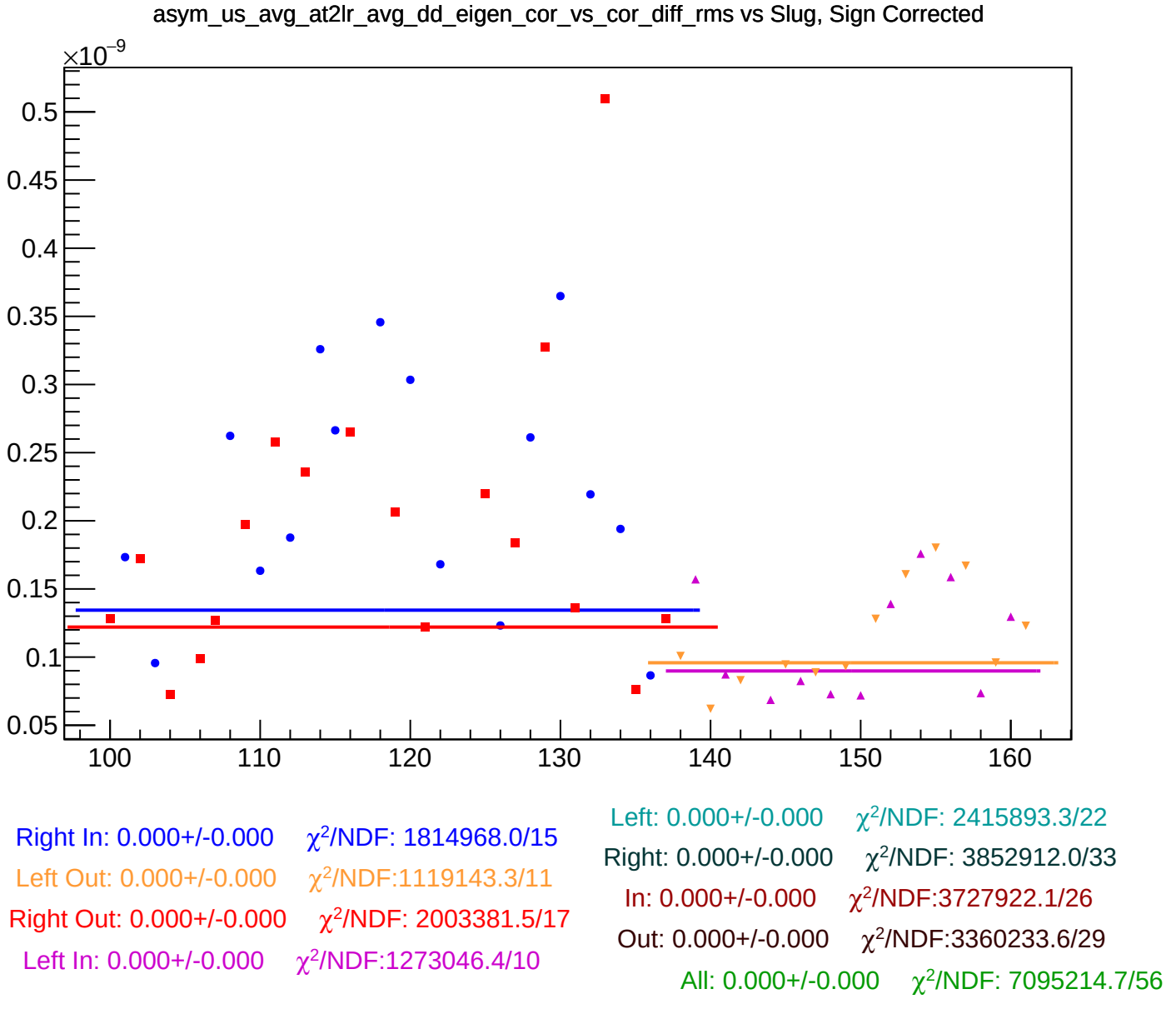
Left: 0.000+/-0.000 χ^2/NDF: 17.4/22

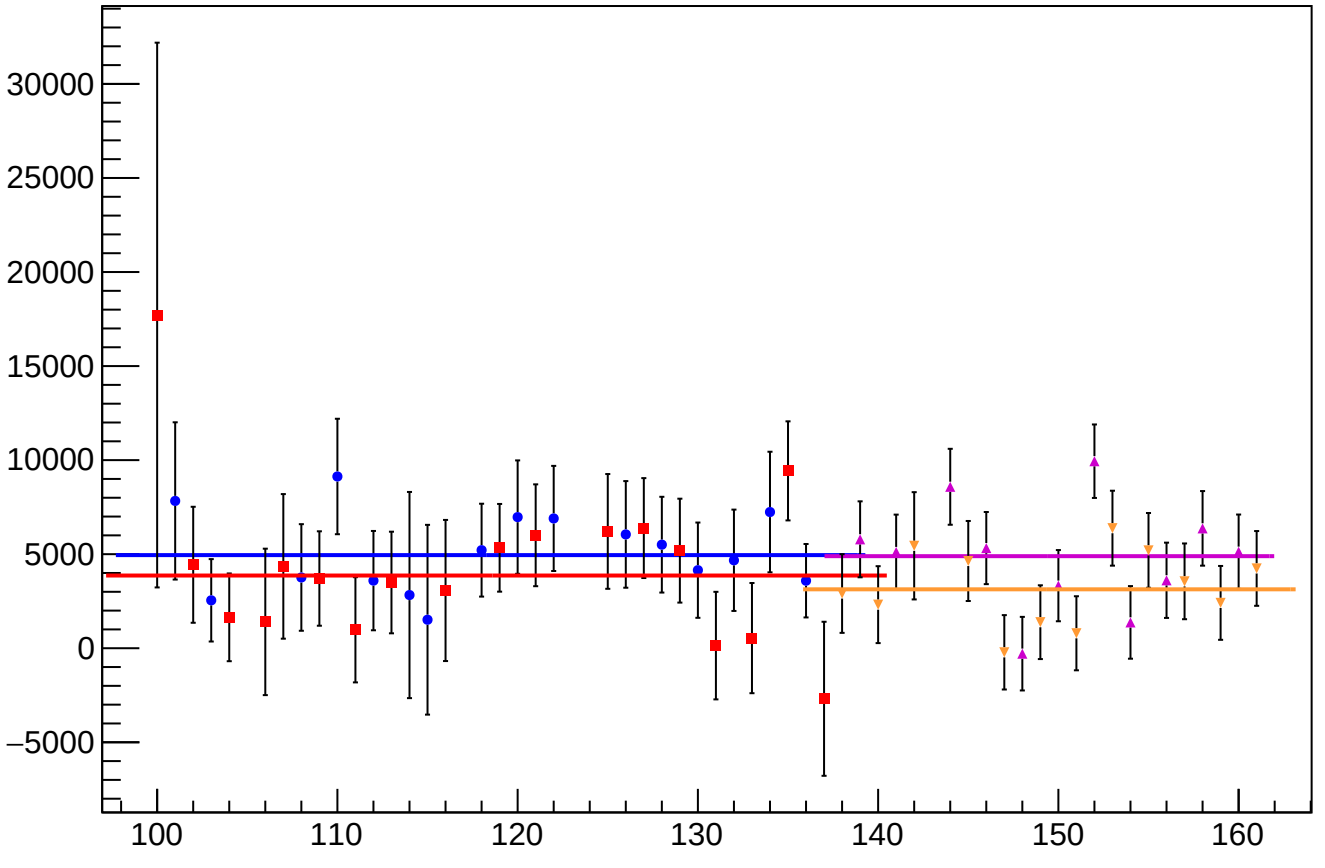
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:24.3/26

Out: 0.000+/-0.000 χ^2/NDF:21.4/29

All: 0.000+/-0.000 χ^2/NDF: 45.9/56


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1119143.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1273046.4/10
Left: 0.000+/-0.000 χ²/NDF: 2415893.3/22
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3727922.1/26
Out: 0.000+/-0.000 χ²/NDF:3360233.6/29
All: 0.000+/-0.000 χ²/NDF: 7095214.7/56



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.530+/-592.358 χ^2/NDF:10.6/11

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4894.271+/-592.585 χ^2/NDF:22.3/10

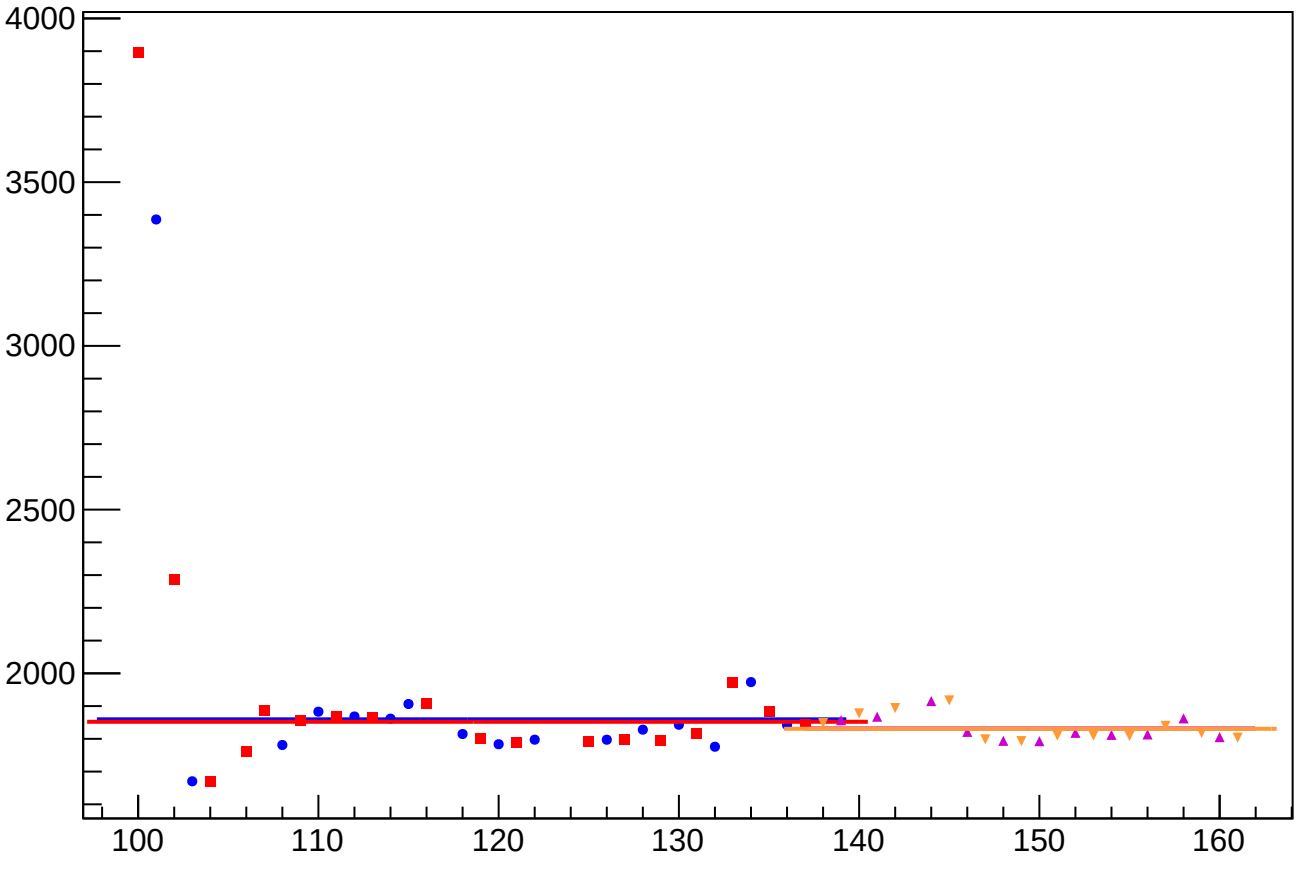
Left: 4012.563+/-418.941 χ^2/NDF: 37.4/22

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4917.711+/-451.996 χ^2/NDF:29.1/26

Out: 3439.814+/-451.039 χ^2/NDF:27.4/29

All: 4177.196+/-319.270 χ^2/NDF: 61.9/56



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1830.683+/-0.419 χ^2/NDF:7955.8/11

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

Left: 1831.202+/-0.296 χ^2/NDF: 15303.3/22

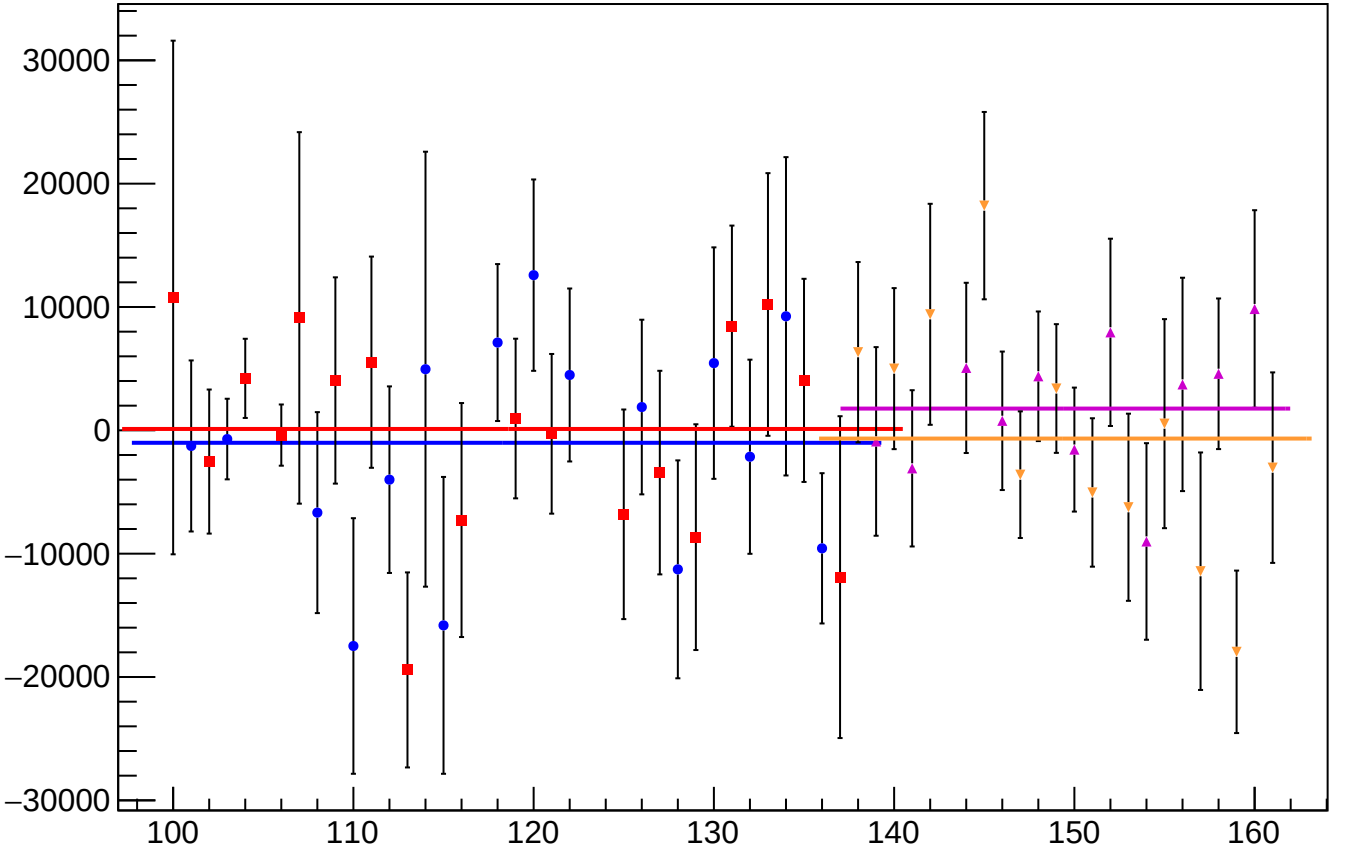
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1843.343+/-0.320 χ^2/NDF:301518.2/26

Out: 1839.700+/-0.319 χ^2/NDF:111267.3/29

All: 1841.515+/-0.226 χ^2/NDF: 412850.7/56

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -667.299+/-1975.824 χ^2/NDF:19.4/11

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1763.584+/-1963.413 χ^2/NDF:5.4/10

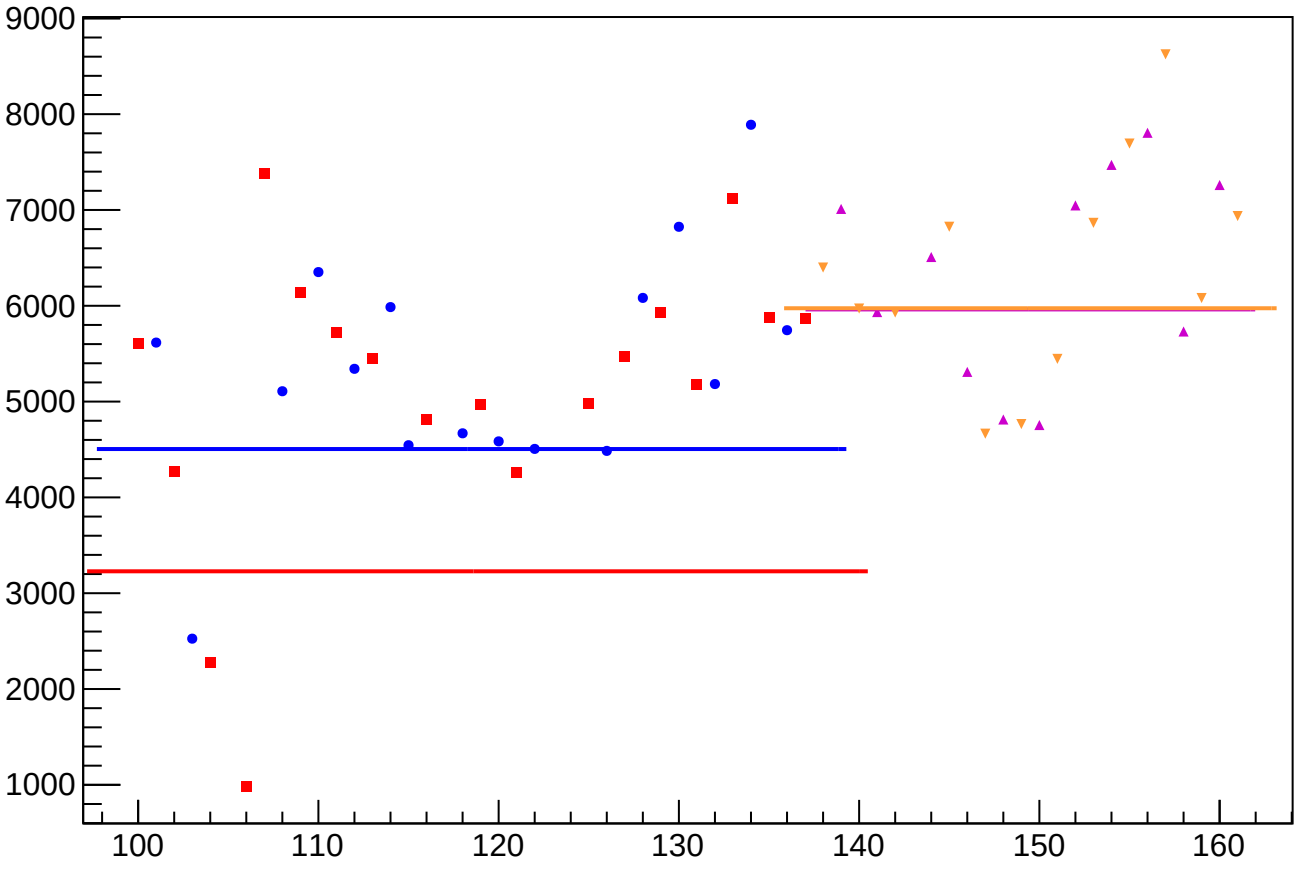
Left: 555.801+/-1392.710 χ^2/NDF: 25.6/22

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 228.812+/-1312.265 χ^2/NDF:21.3/26

Out: -158.459+/-1162.944 χ^2/NDF:34.1/29

All: 11.898+/-870.352 χ^2/NDF: 55.4/56



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5974.211+/-1.397 χ^2/NDF:577737.6/11

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5961.903+/-1.388 χ^2/NDF:546859.5/10

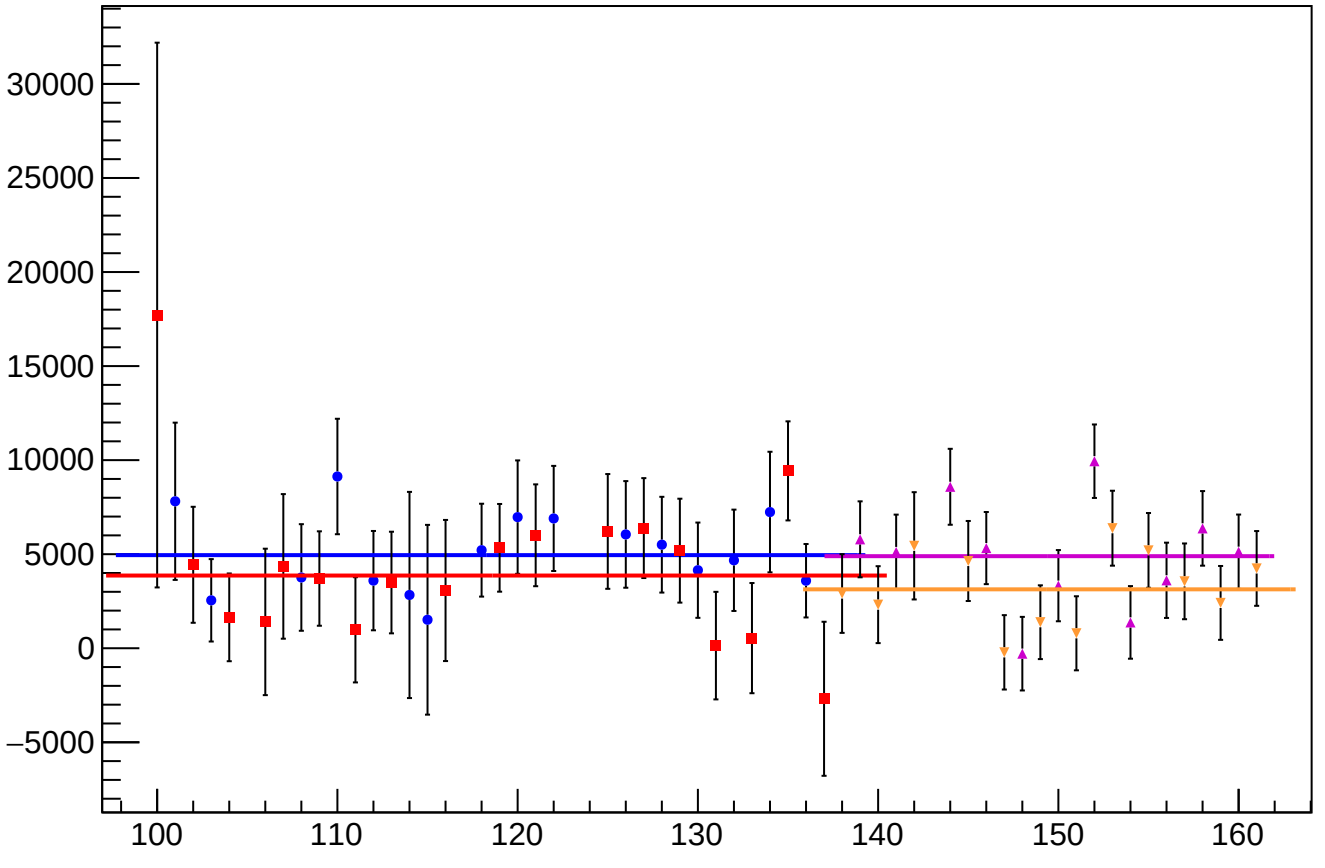
Left: 5968.018+/-0.985 χ^2/NDF: 1124636.2/22

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5155.687+/-0.928 χ^2/NDF:2477433.3/26

Out: 4179.778+/-0.822 χ^2/NDF:7058191.9/29

All: 4609.073+/-0.615 χ^2/NDF: 10155176.3/5



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.432+/-592.358 χ^2/NDF:10.6/11

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4894.415+/-592.585 χ^2/NDF:22.3/10

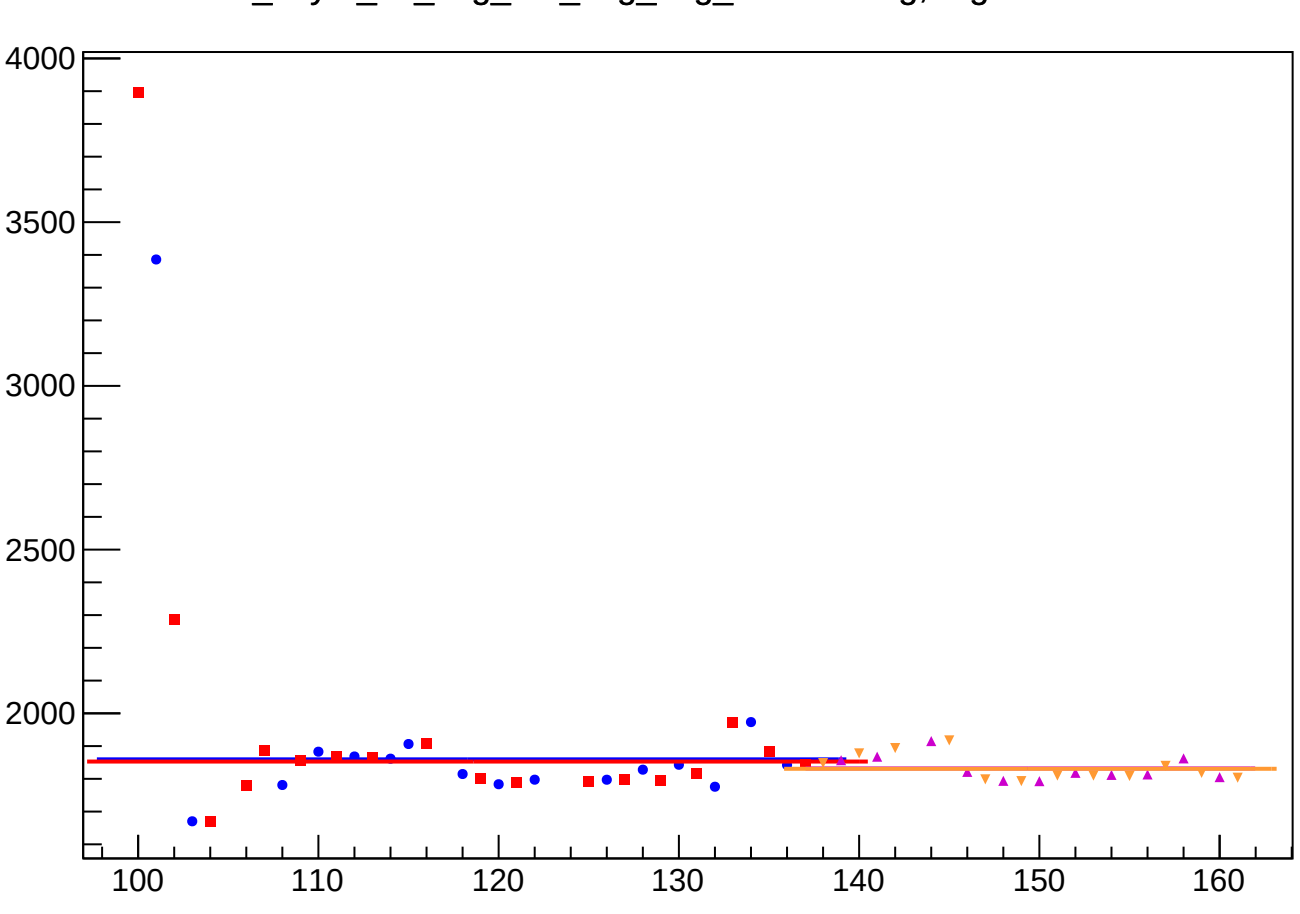
Left: 4012.586+/-418.941 χ^2/NDF: 37.4/22

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4917.593+/-451.996 χ^2/NDF:29.1/26

Out: 3439.667+/-451.039 χ^2/NDF:27.5/29

All: 4177.064+/-319.270 χ^2/NDF: 61.9/56



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1830.683+/-0.419 χ^2/NDF:7955.8/11

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

Left: 1831.202+/-0.296 χ^2/NDF: 15303.3/22

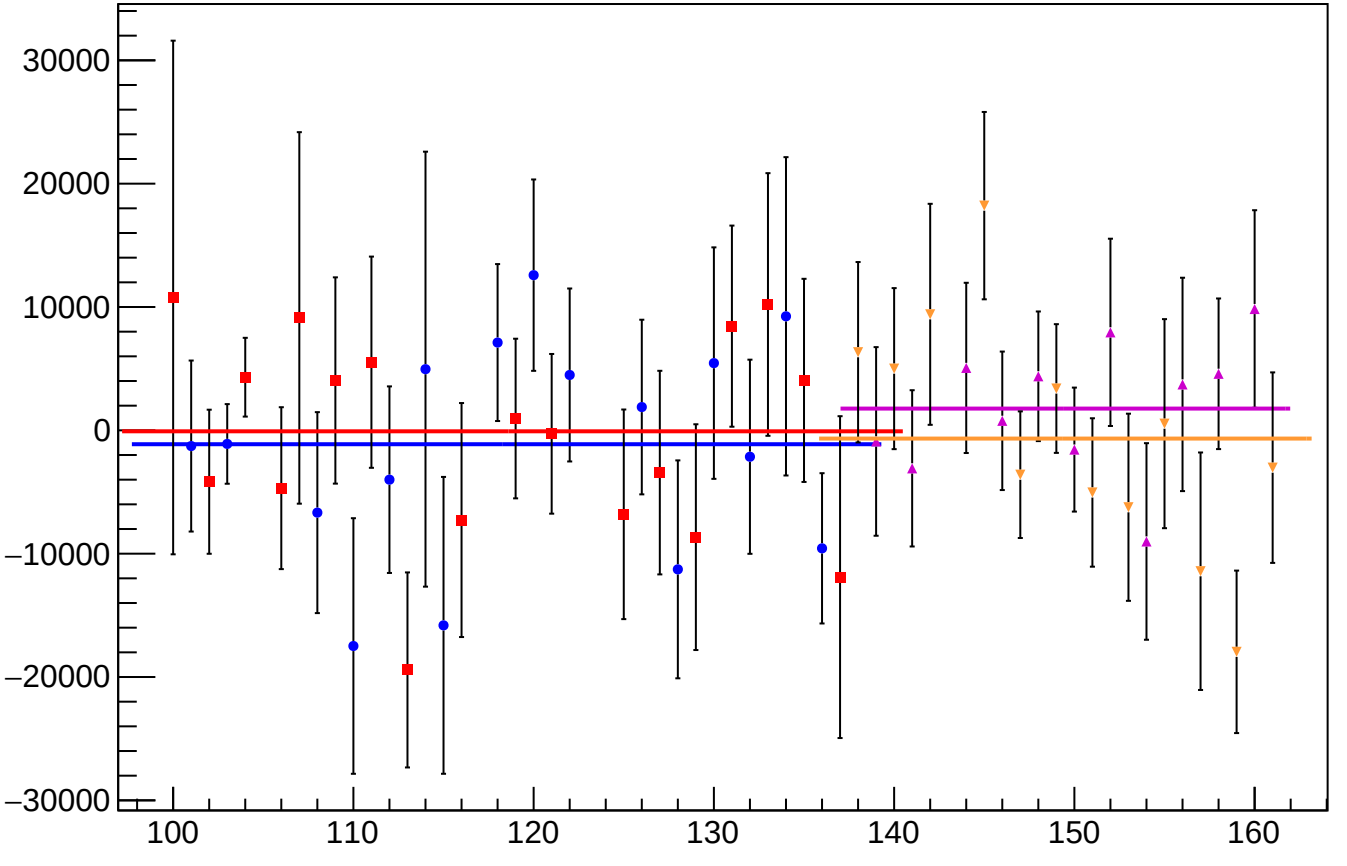
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1843.343+/-0.320 χ^2/NDF:301520.1/26

Out: 1839.994+/-0.319 χ^2/NDF:110878.5/29

All: 1841.663+/-0.226 χ^2/NDF: 412453.7/56

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -667.402+/-1975.823 χ^2/NDF:19.4/11

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1763.743+/-1963.413 χ^2/NDF:5.4/10

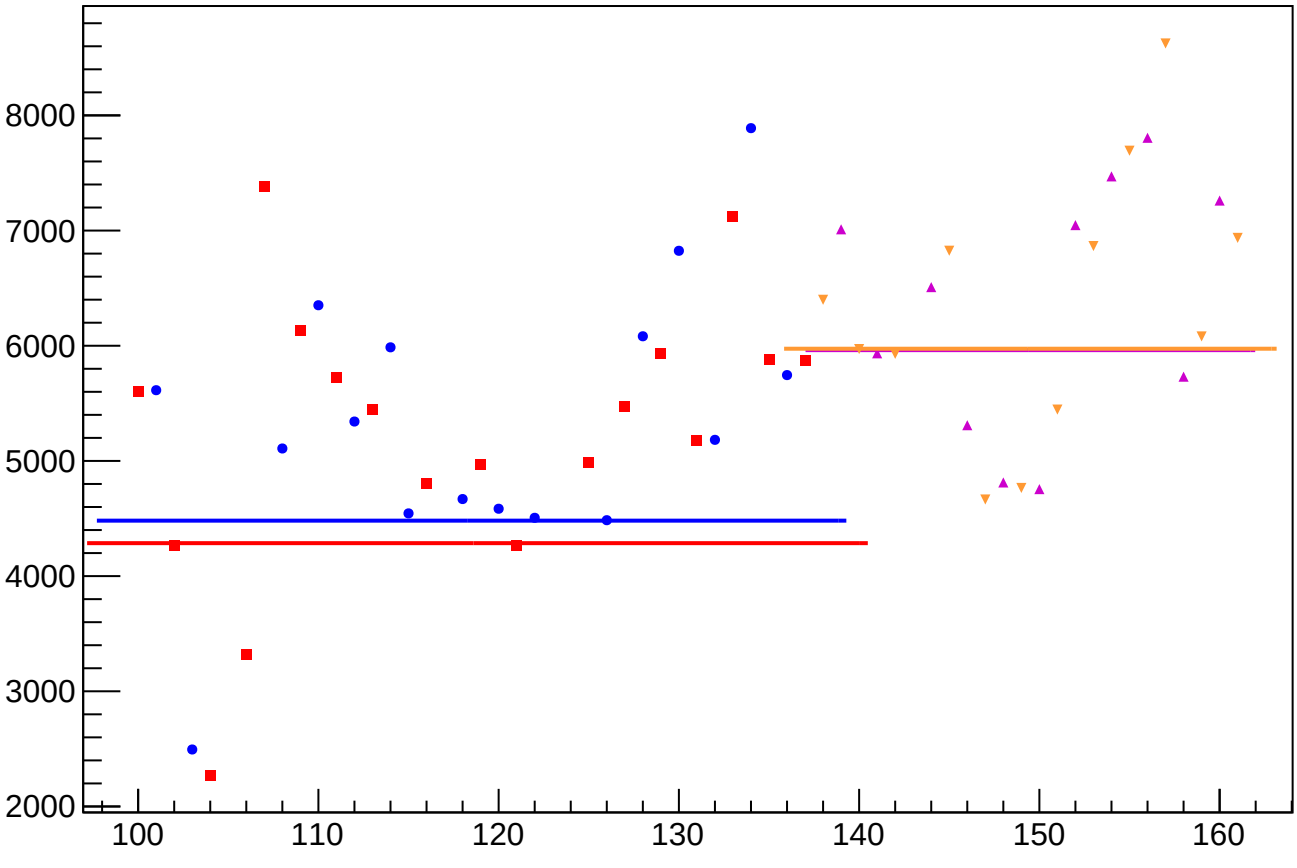
Left: 555.829+/-1392.709 χ^2/NDF: 25.6/22

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 159.989+/-1309.665 χ^2/NDF:21.4/26

Out: -329.291+/-1289.723 χ^2/NDF:35.0/29

All: -88.404+/-918.941 χ^2/NDF: 56.4/56



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5974.208+/-1.397 χ^2/NDF:577745.2/11

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

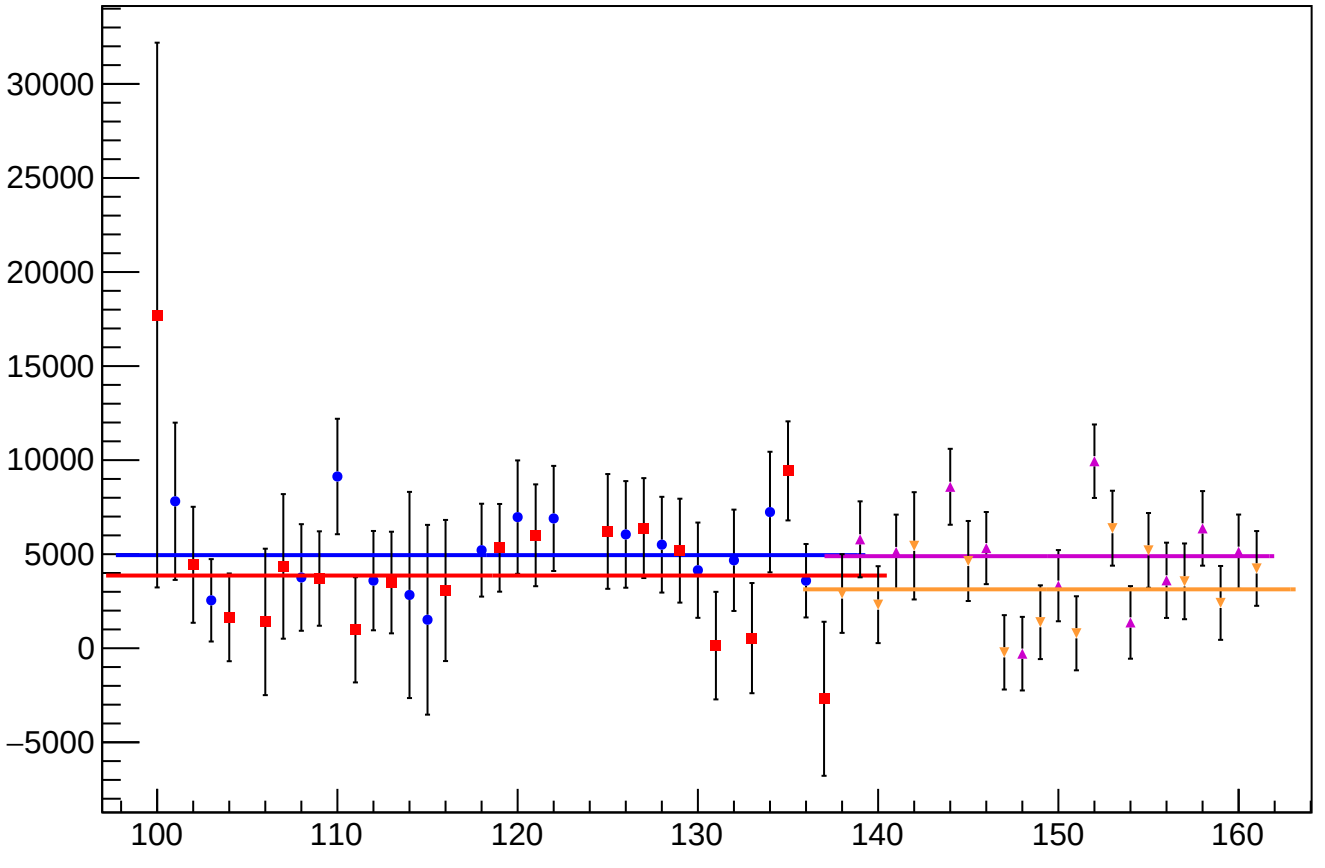
Left: 5968.016+/-0.985 χ^2/NDF: 1124651.1/22

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5140.193+/-0.926 χ^2/NDF:2540223.7/26

Out: 5005.393+/-0.912 χ^2/NDF:2965452.4/29

All: 5071.759+/-0.650 χ^2/NDF: 5516432.8/56



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.432+/-592.358 χ^2/NDF:10.6/11

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4894.415+/-592.585 χ^2/NDF:22.3/10

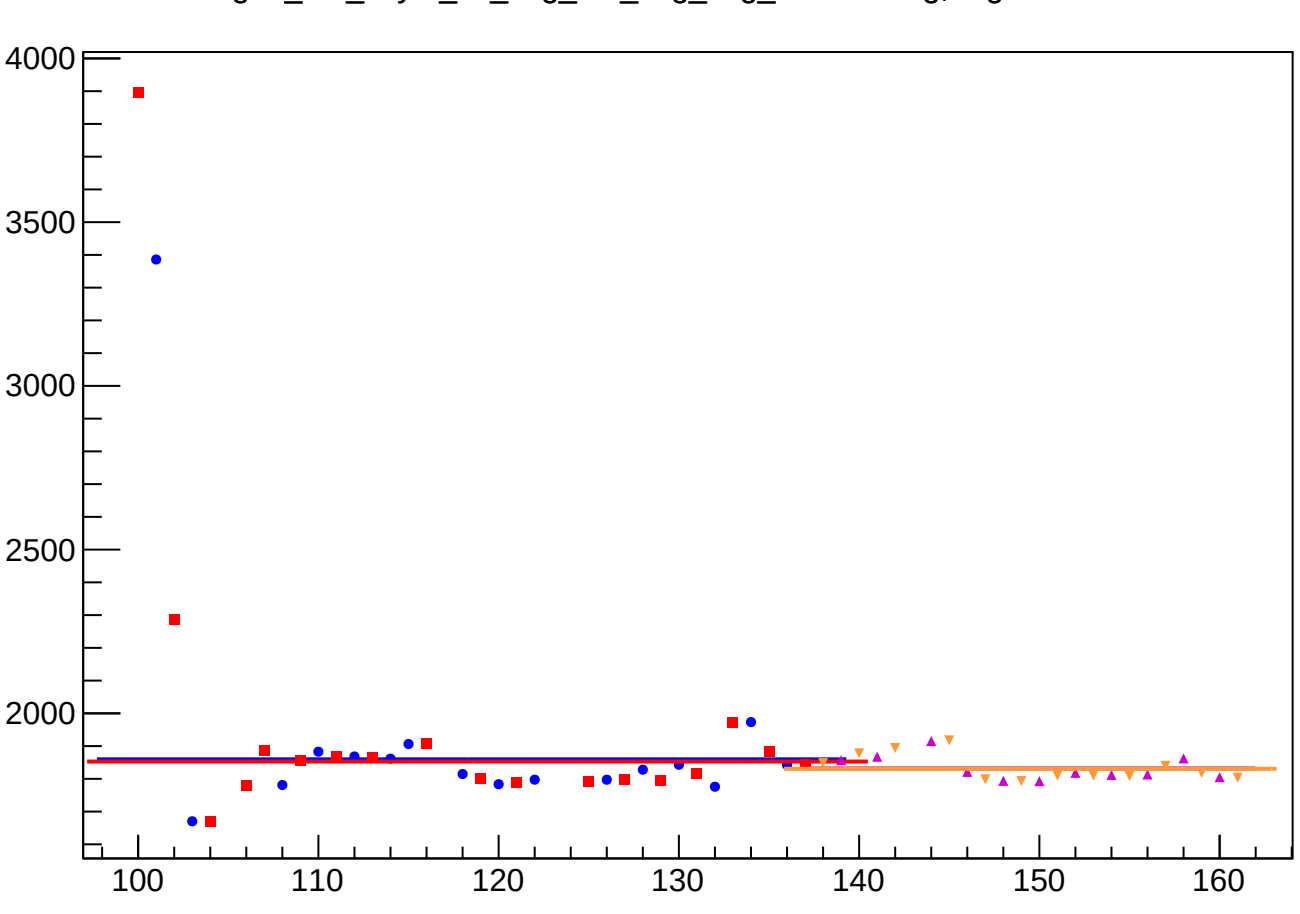
Left: 4012.586+/-418.941 χ^2/NDF: 37.4/22

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4917.593+/-451.996 χ^2/NDF:29.1/26

Out: 3439.667+/-451.039 χ^2/NDF:27.5/29

All: 4177.064+/-319.270 χ^2/NDF: 61.9/56



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1830.683+/-0.419 χ^2/NDF:7955.8/11

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

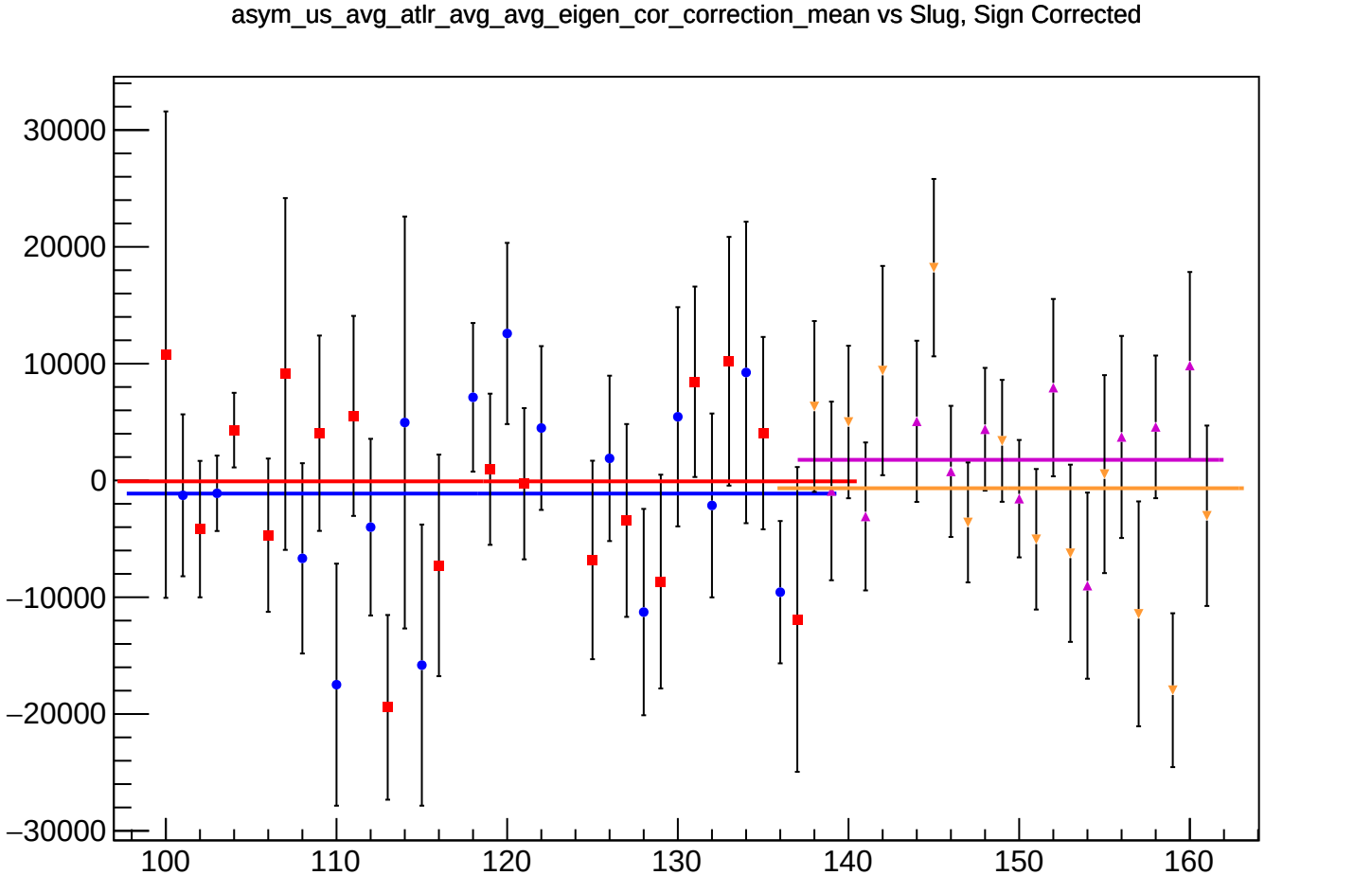
Left: 1831.202+/-0.296 χ^2/NDF: 15303.3/22

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1843.343+/-0.320 χ^2/NDF:301520.1/26

Out: 1839.994+/-0.319 χ^2/NDF:110878.5/29

All: 1841.663+/-0.226 χ^2/NDF: 412453.7/56



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -667.402+/-1975.823 χ^2/NDF:19.4/11

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1763.743+/-1963.413 χ^2/NDF:5.4/10

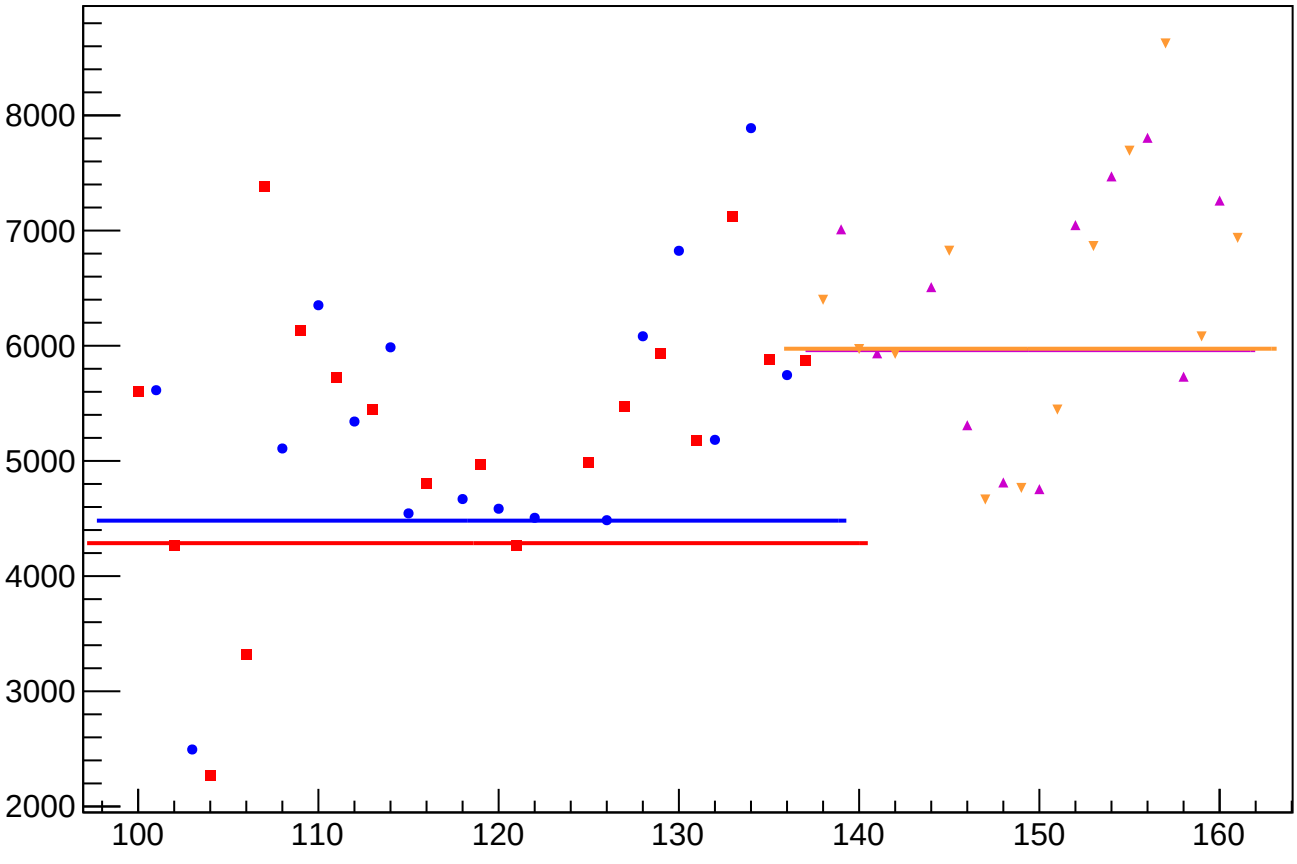
Left: 555.829+/-1392.709 χ^2/NDF: 25.6/22

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 159.989+/-1309.665 χ^2/NDF:21.4/26

Out: -329.291+/-1289.723 χ^2/NDF:35.0/29

All: -88.404+/-918.941 χ^2/NDF: 56.4/56



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5974.208+/-1.397 χ^2/NDF:577745.2/11

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

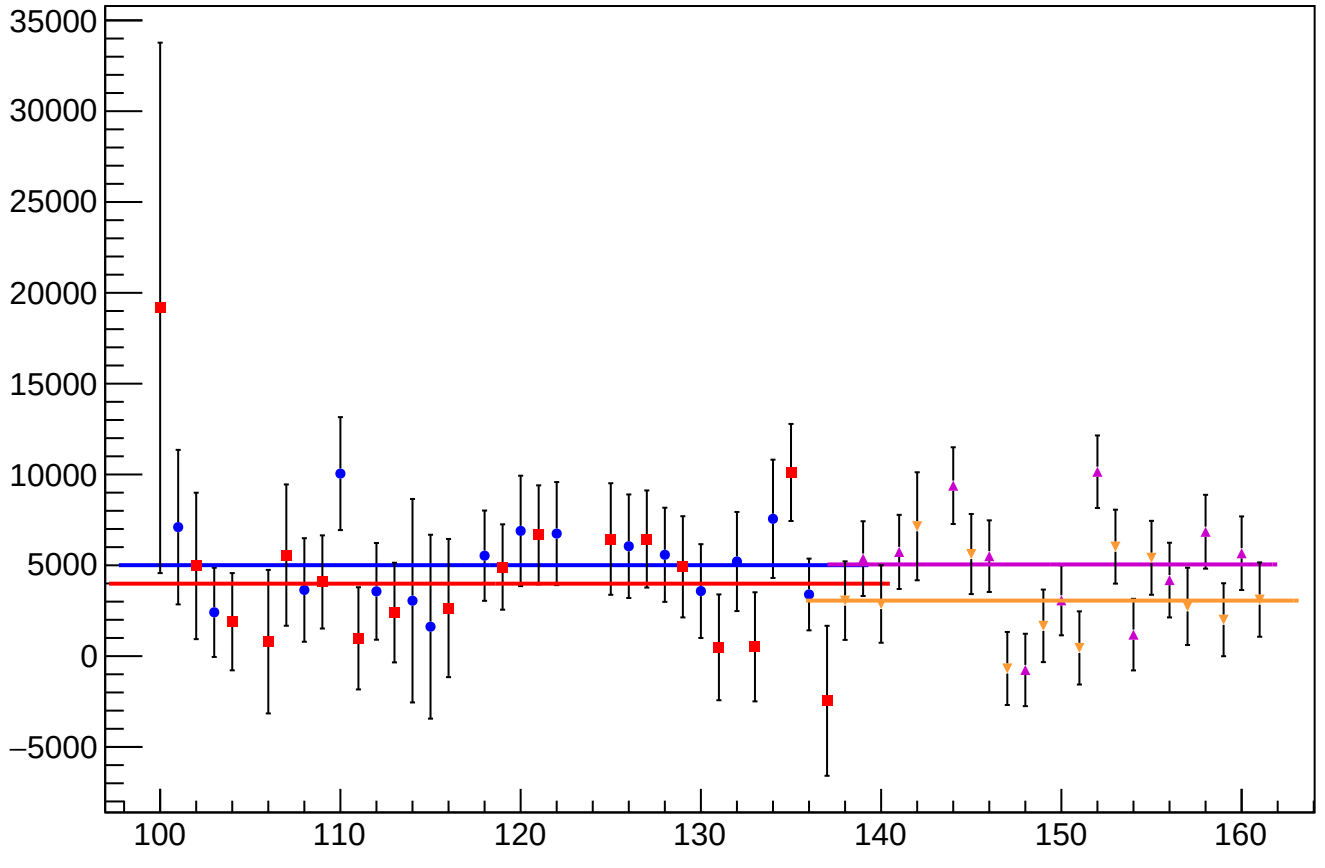
Left: 5968.016+/-0.985 χ^2/NDF: 1124651.1/22

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5140.193+/-0.926 χ^2/NDF:2540223.7/26

Out: 5005.393+/-0.912 χ^2/NDF:2965452.4/29

All: 5071.759+/-0.650 χ^2/NDF: 5516432.8/56



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3057.261+/-610.025 χ^2/NDF:12.6/11

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 5048.038+/-607.497 χ^2/NDF:25.4/10

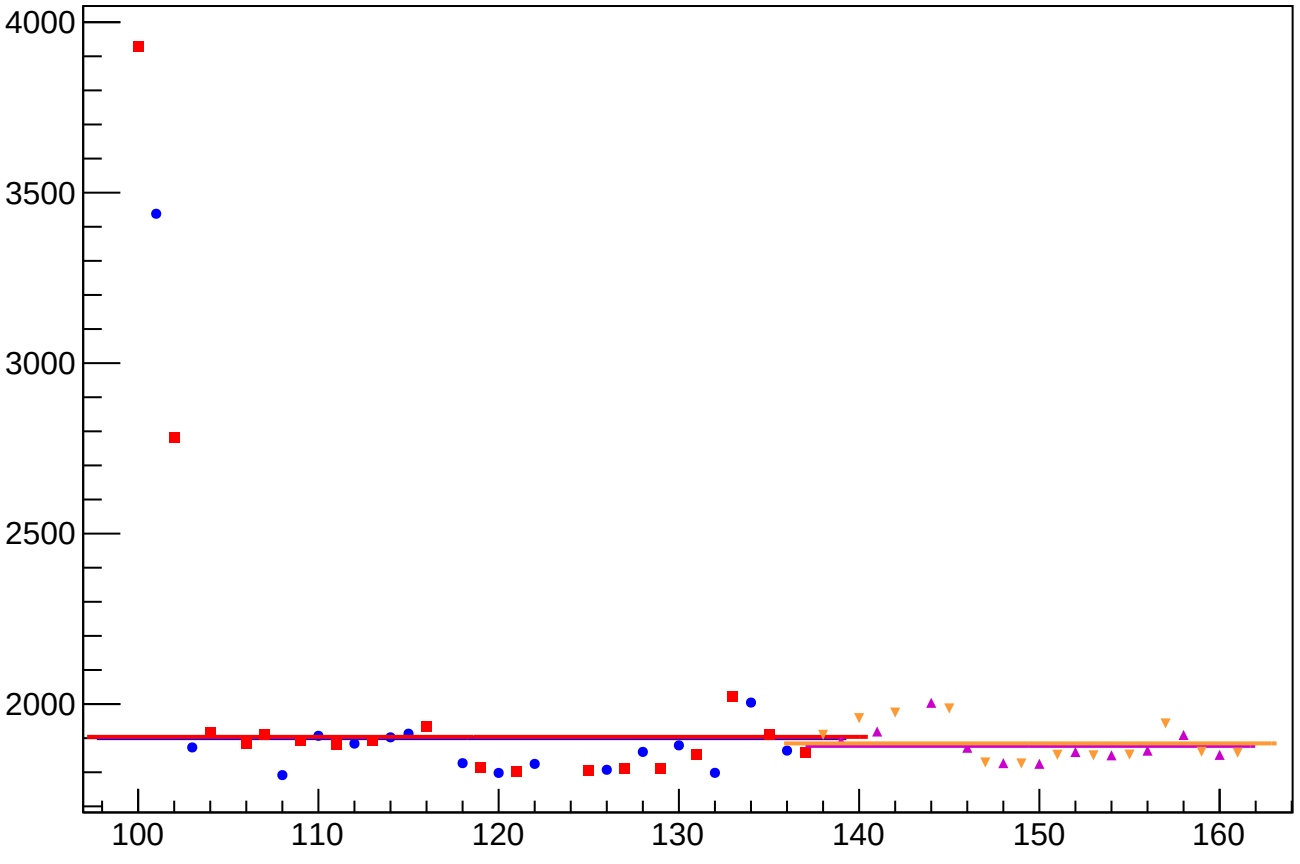
Left: 4056.783+/-430.456 χ^2/NDF: 43.4/22

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5030.939+/-462.701 χ^2/NDF:33.1/26

Out: 3447.307+/-465.167 χ^2/NDF:31.0/29

All: 4243.332+/-328.048 χ^2/NDF: 69.9/56



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1884.659+/-0.431 χ^2/NDF:15961.7/11

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1877.423+/-0.430 χ^2/NDF:12395.0/10

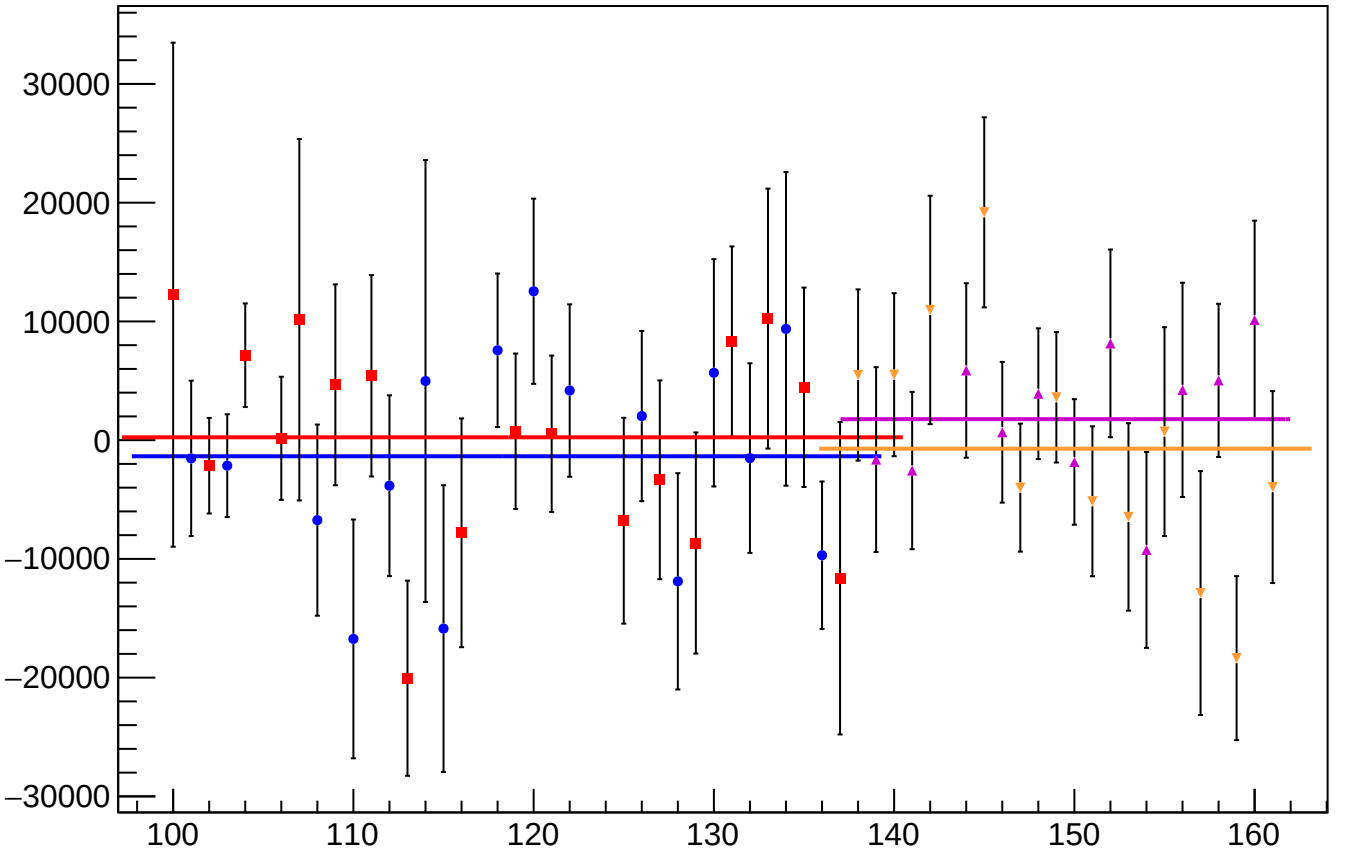
Left: 1881.026+/-0.304 χ^2/NDF: 28498.0/22

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1886.950+/-0.327 χ^2/NDF:292014.5/26

Out: 1892.692+/-0.329 χ^2/NDF:166905.0/29

All: 1889.807+/-0.232 χ^2/NDF: 459072.8/56



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -718.308+/-2066.067 χ^2/NDF:19.4/11

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1768.455+/-2057.042 χ^2/NDF:5.3/10

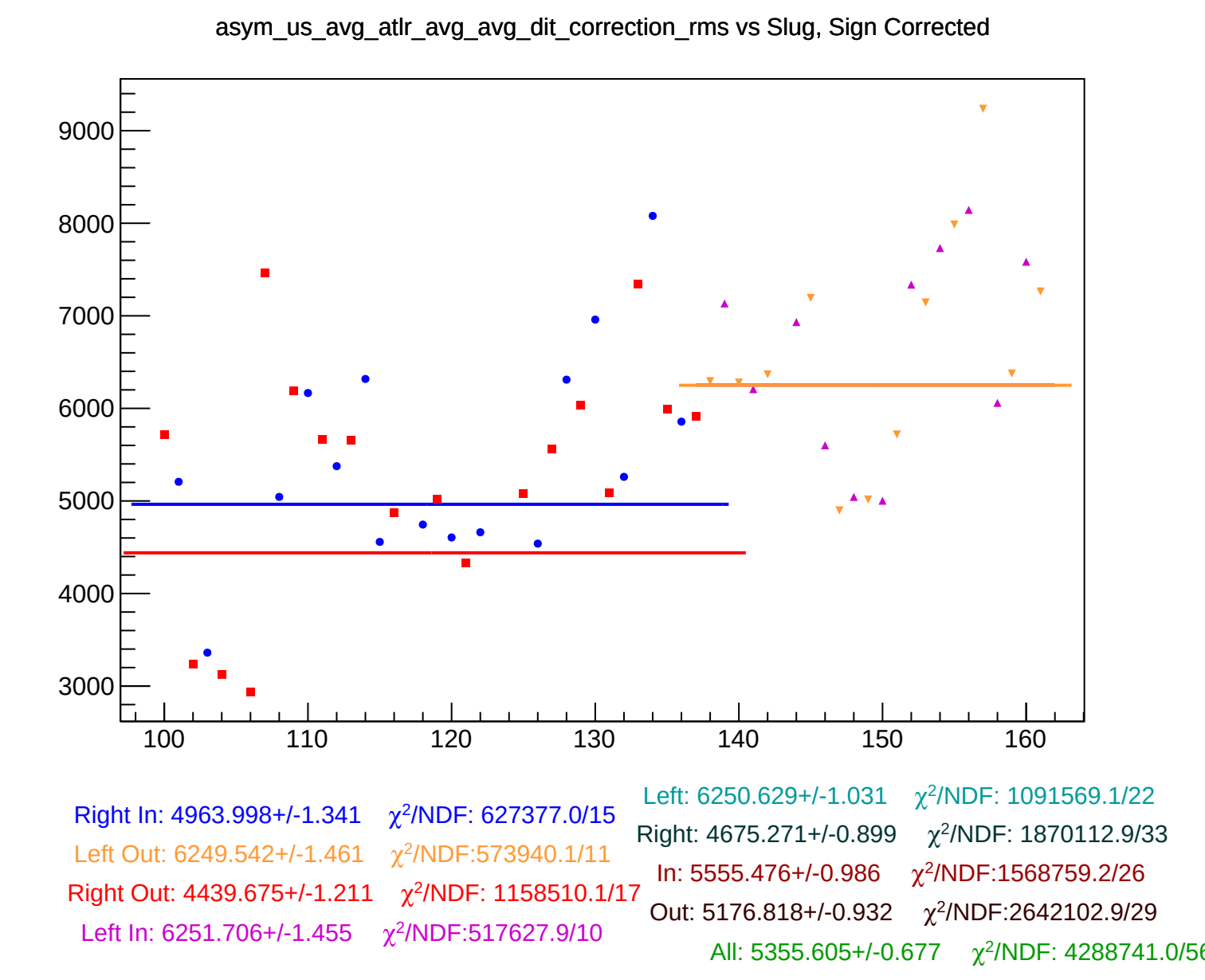
Left: 530.517+/-1457.729 χ^2/NDF: 25.4/22

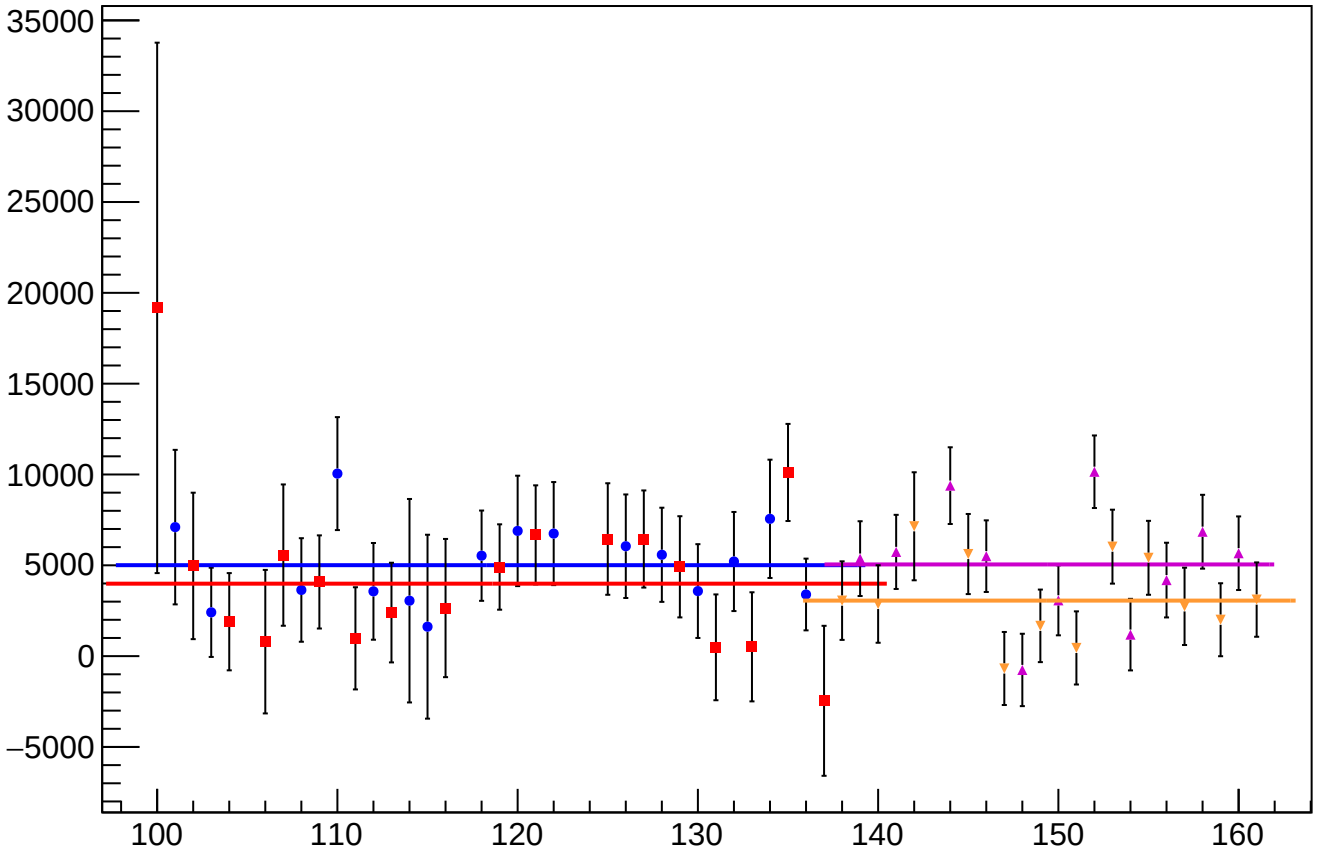
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 78.812+/-1394.131 χ^2/NDF:21.3/26

Out: -149.627+/-1318.551 χ^2/NDF:35.2/29

All: -41.767+/-957.962 χ^2/NDF: 56.5/56


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6249.542+/-1.461 χ²/NDF:573940.1/11
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6251.706+/-1.455 χ²/NDF:517627.9/10
Left: 6250.629+/-1.031 χ²/NDF: 1091569.1/22
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5555.476+/-0.986 χ²/NDF:1568759.2/26
Out: 5176.818+/-0.932 χ²/NDF:2642102.9/29
All: 5355.605+/-0.677 χ²/NDF: 4288741.0/56



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3057.252+/-610.025 χ^2/NDF:12.6/11

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 5048.040+/-607.497 χ^2/NDF:25.4/10

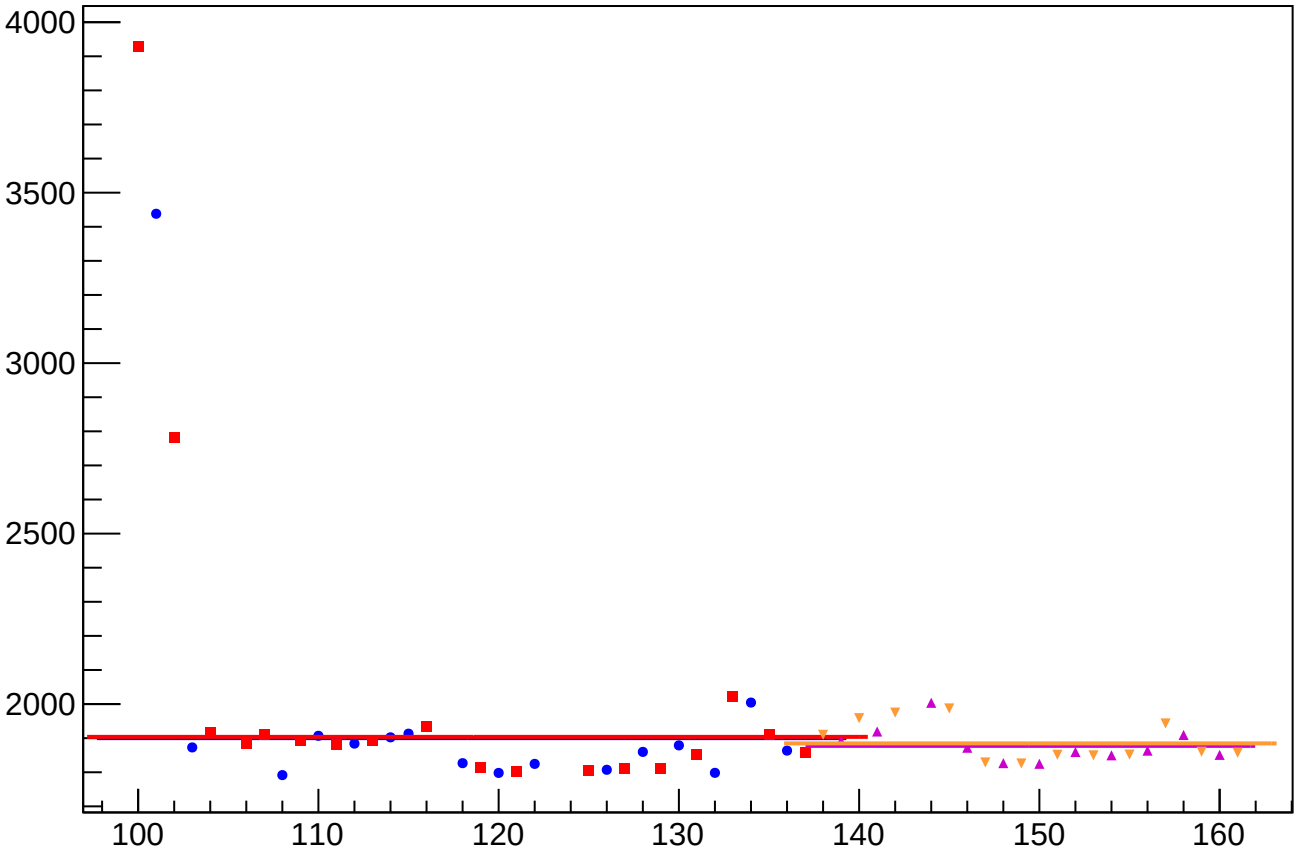
Left: 4056.779+/-430.456 χ^2/NDF: 43.4/22

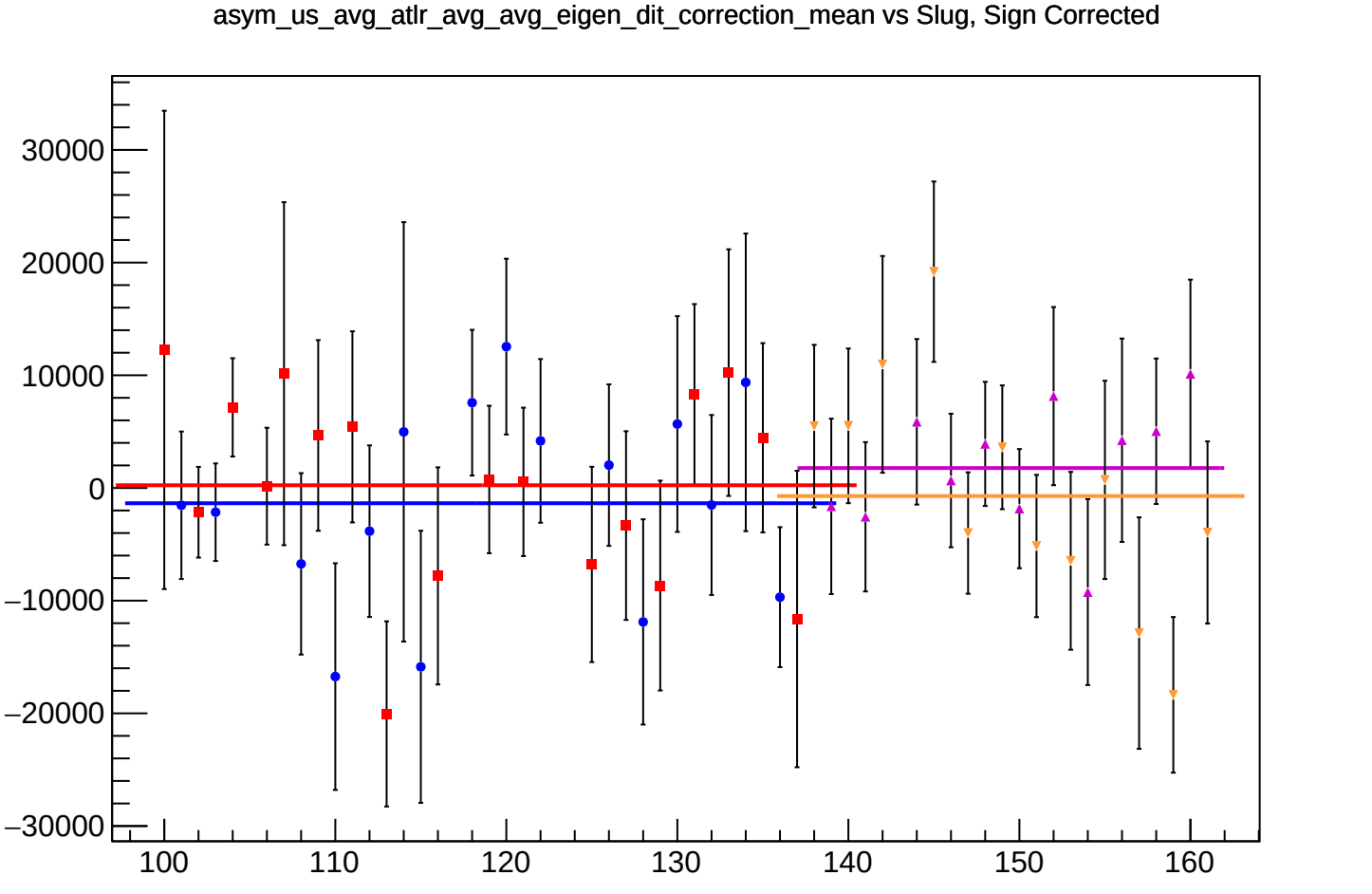
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

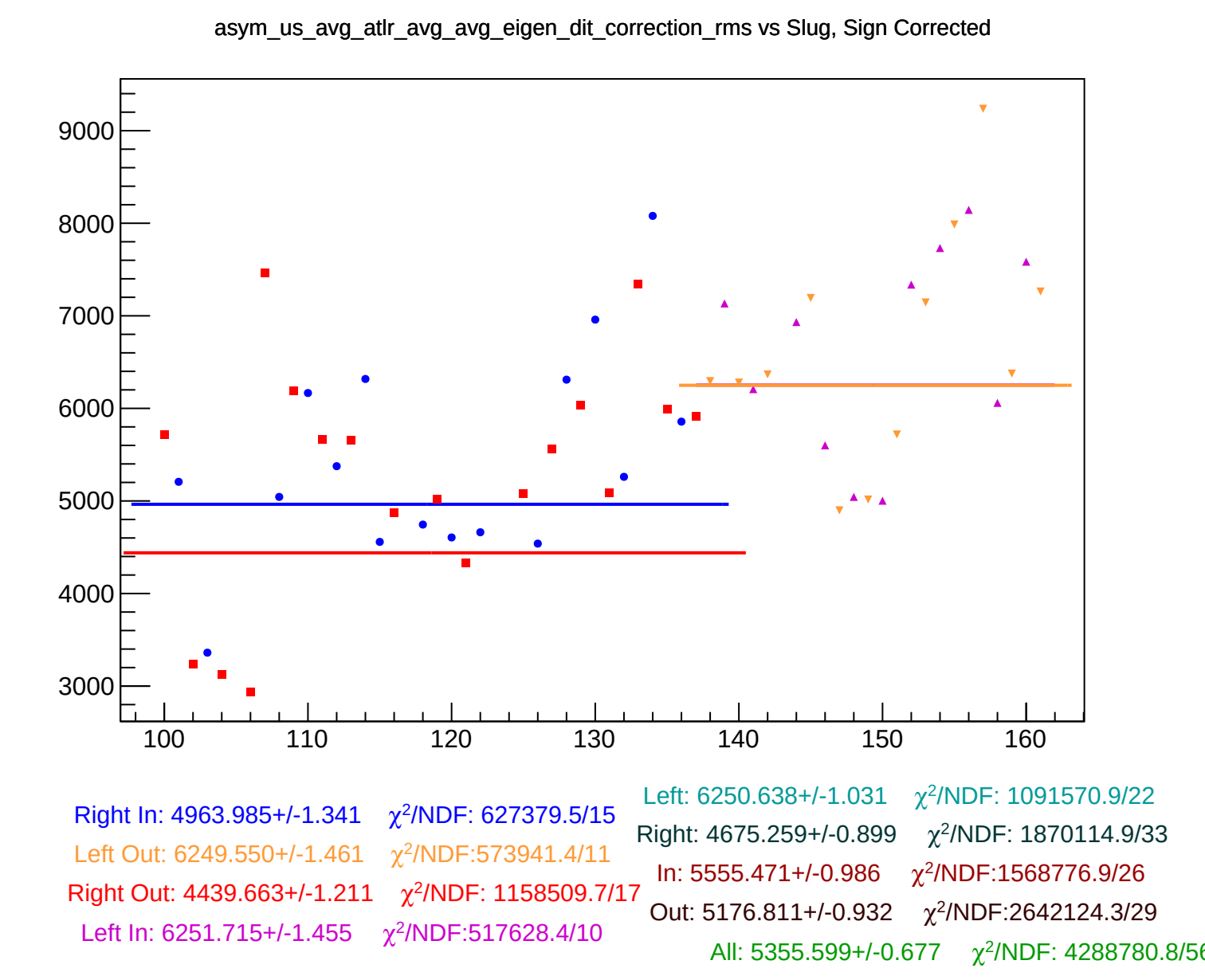
In: 5030.939+/-462.702 χ^2/NDF:33.1/26

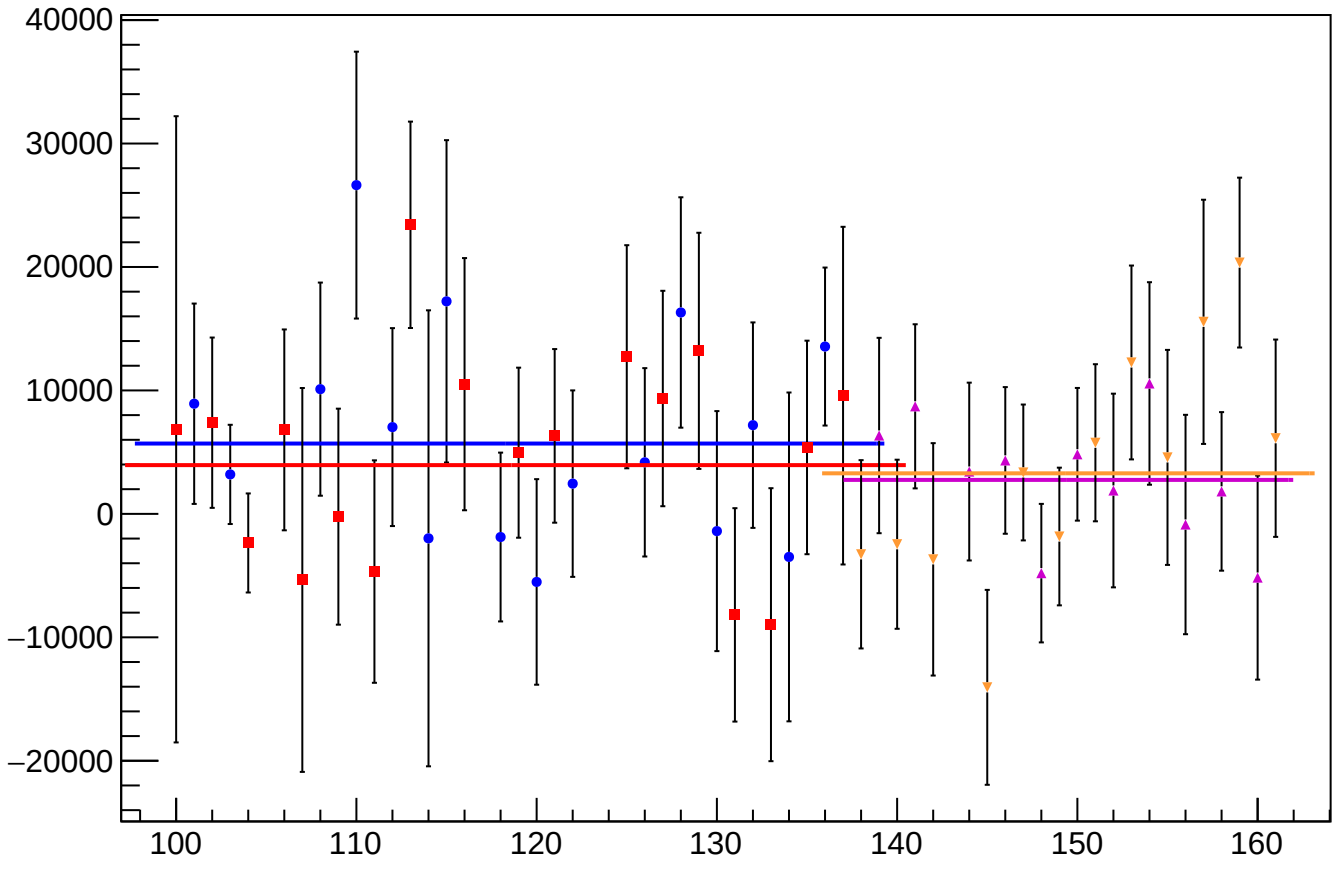
Out: 3447.302+/-465.168 χ^2/NDF:31.0/29

All: 4243.329+/-328.048 χ^2/NDF: 69.9/56


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1884.661+/-0.431 χ²/NDF:15961.9/11
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1877.424+/-0.430 χ²/NDF:12395.1/10
Left: 1881.027+/-0.304 χ²/NDF: 28498.3/22
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1886.950+/-0.327 χ²/NDF:292014.7/26
Out: 1892.692+/-0.329 χ²/NDF:166904.3/29
All: 1889.807+/-0.232 χ²/NDF: 459072.3/56


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -718.315+/-2066.070 χ²/NDF:19.4/11
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 1768.456+/-2057.045 χ²/NDF:5.3/10
Left: 530.514+/-1457.731 χ²/NDF: 25.4/22
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: 78.812+/-1394.130 χ²/NDF:21.3/26
Out: -149.627+/-1318.550 χ²/NDF:35.2/29
All: -41.768+/-957.961 χ²/NDF: 56.5/56


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6249.550+/-1.461 χ²/NDF:573941.4/11
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6251.715+/-1.455 χ²/NDF:517628.4/10
Left: 6250.638+/-1.031 χ²/NDF: 1091570.9/22
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5555.471+/-0.986 χ²/NDF:1568776.9/26
Out: 5176.811+/-0.932 χ²/NDF:2642124.3/29
All: 5355.599+/-0.677 χ²/NDF: 4288780.8/56



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3284.881+/-2075.624 χ^2/NDF:17.0/11

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2751.586+/-2061.679 χ^2/NDF:5.1/10

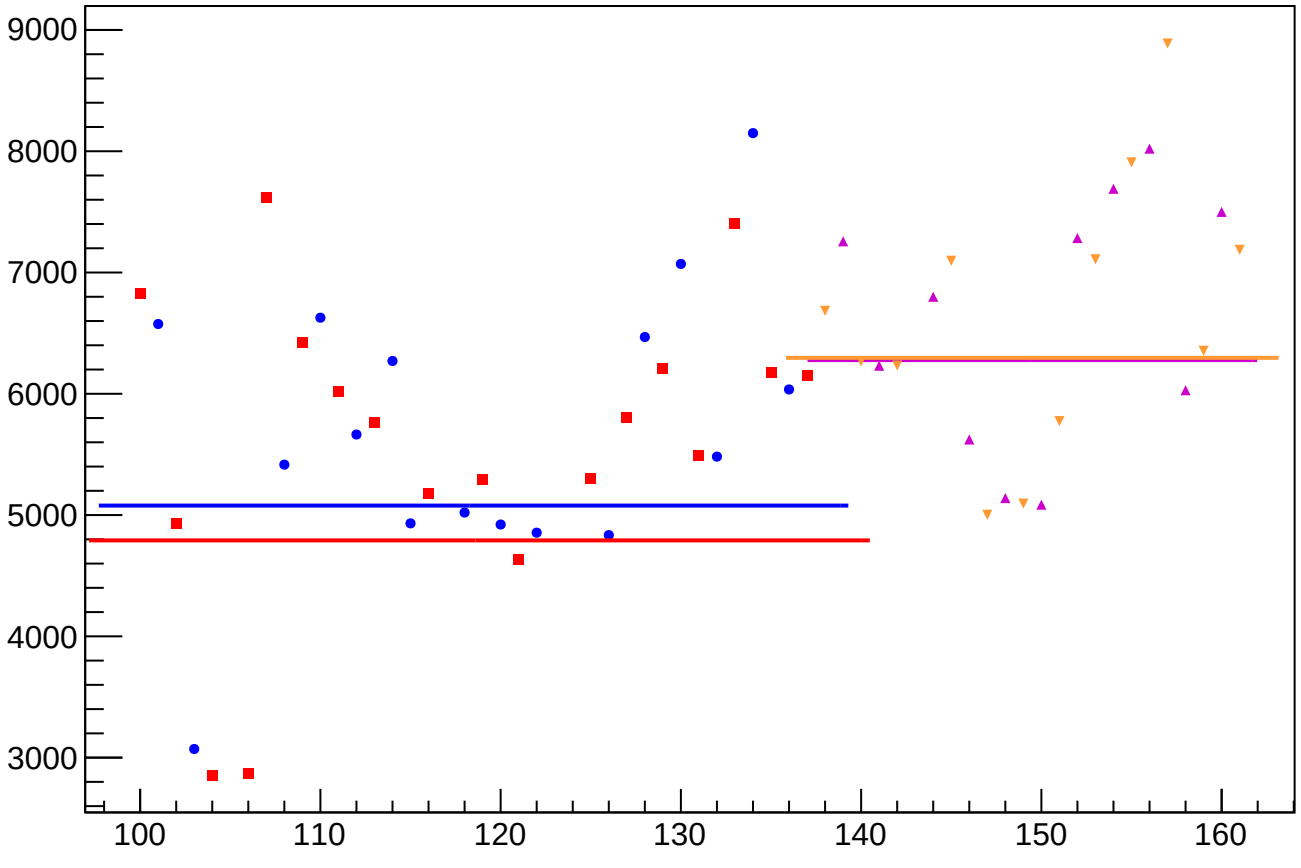
Left: 3016.436+/-1462.732 χ^2/NDF: 22.1/22

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4299.417+/-1420.216 χ^2/NDF:18.8/26

Out: 3642.880+/-1409.685 χ^2/NDF:33.1/29

All: 3968.705+/-1000.500 χ^2/NDF: 52.0/56



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6296.557+/-1.468 χ^2/NDF:495023.8/11

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6277.868+/-1.458 χ^2/NDF:462178.0/10

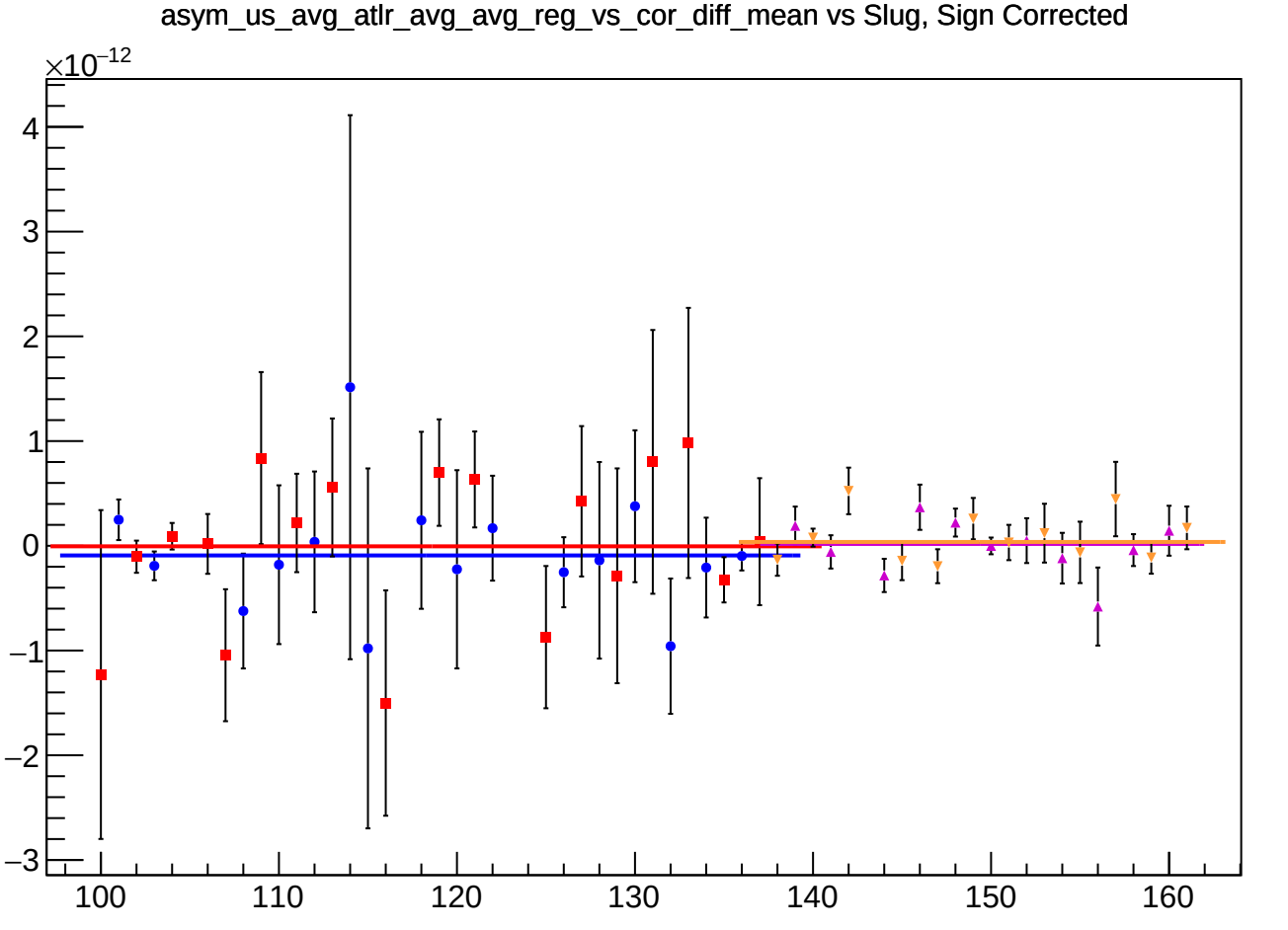
Left: 6287.149+/-1.034 χ^2/NDF: 957283.4/22

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5647.450+/-1.004 χ^2/NDF:1737259.0/26

Out: 5470.341+/-0.986 χ^2/NDF:2234882.1/29

All: 5557.258+/-0.704 χ^2/NDF: 3987980.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/10

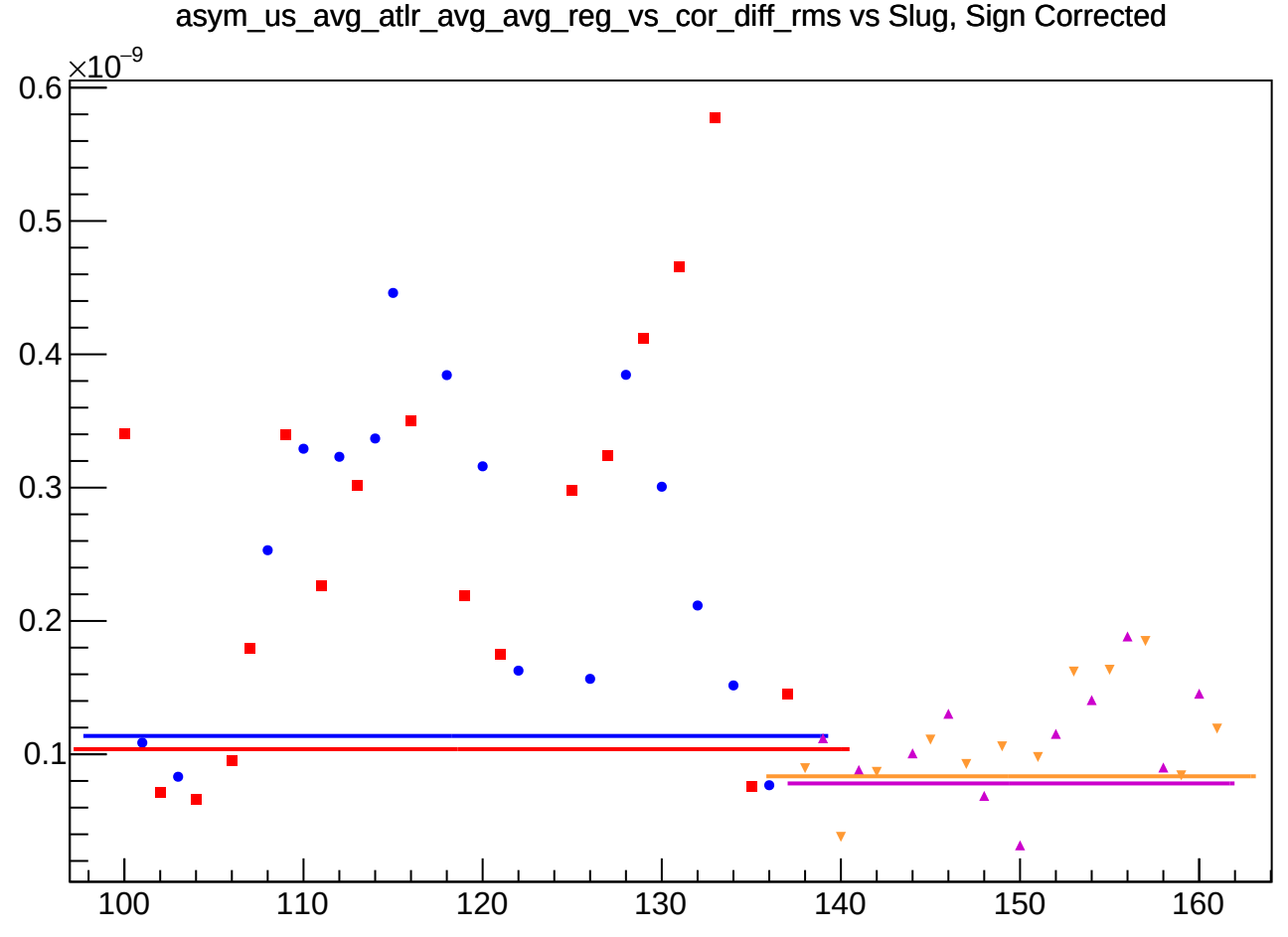
Left: 0.000+/-0.000 χ^2/NDF: 26.6/22

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:22.7/26

Out: 0.000+/-0.000 χ^2/NDF:31.0/29

All: 0.000+/-0.000 χ^2/NDF: 54.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1185891.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1460722.7/10

Left: 0.000+/-0.000 χ^2/NDF: 2659115.5/22

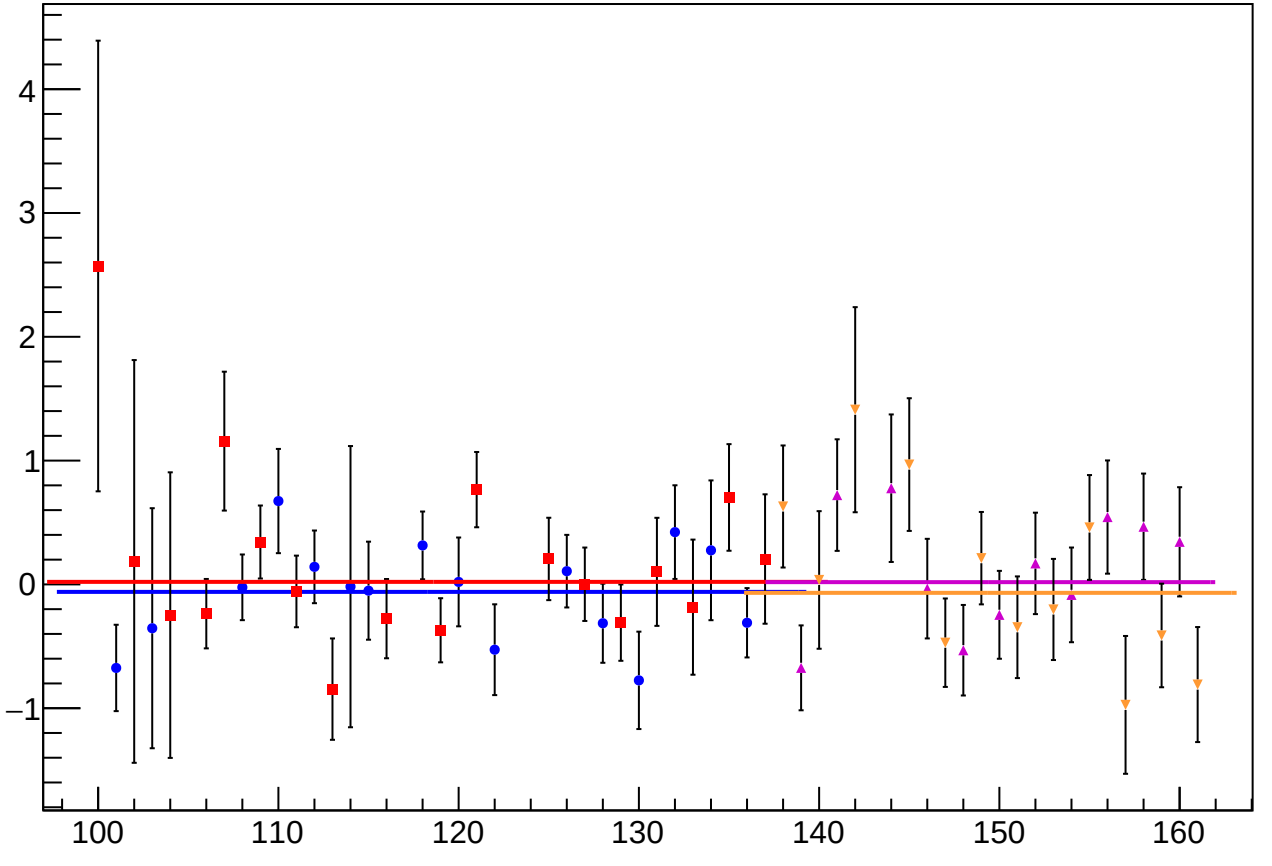
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3291971.8/26

Out: 0.000+/-0.000 χ^2/NDF:3373114.7/29

All: 0.000+/-0.000 χ^2/NDF: 6666557.9/56

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: -0.068+/-0.131 χ^2/NDF:18.8/11

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: -0.022+/-0.090 χ^2/NDF: 33.1/22

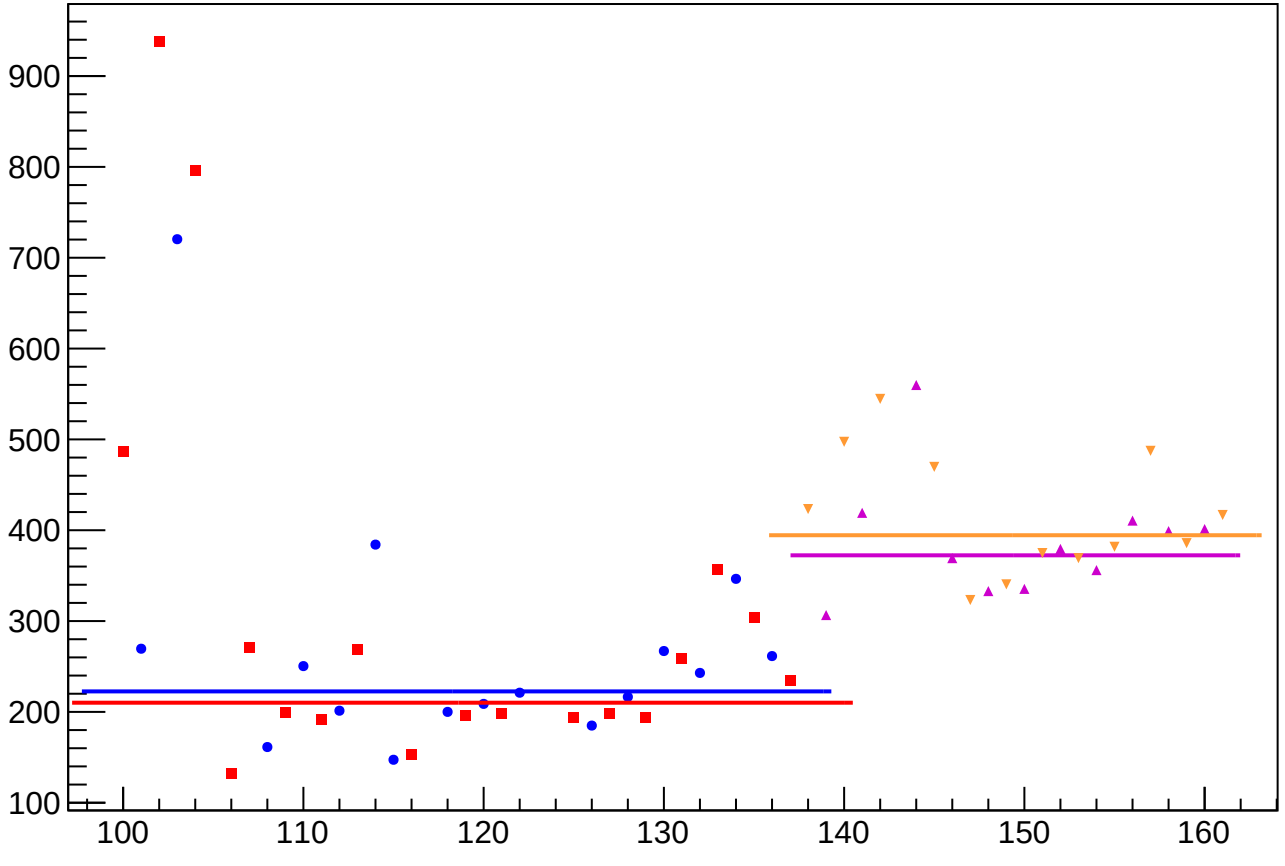
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: -0.007+/-0.073 χ^2/NDF:45.2/29

All: -0.020+/-0.051 χ^2/NDF: 77.0/56

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: 394.496+/-0.093 χ^2/NDF:377355.5/11

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

Left: 382.765+/-0.063 χ^2/NDF: 780317.8/22

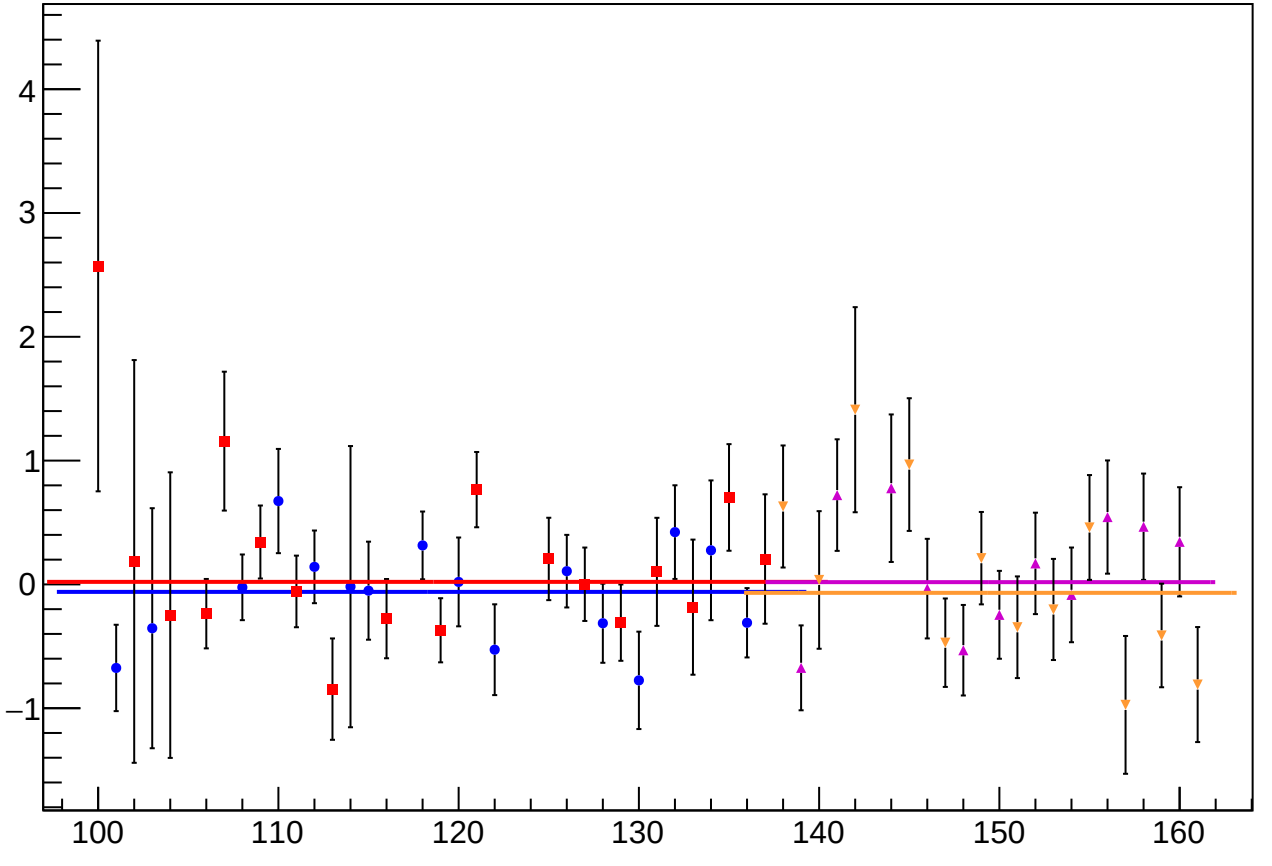
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 273.732+/-0.051 χ^2/NDF:3341745.8/26

Out: 267.021+/-0.051 χ^2/NDF:4670677.0/29

All: 270.411+/-0.036 χ^2/NDF: 8021033.4/56

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: -0.068+/-0.131 χ^2/NDF:18.8/11

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: -0.022+/-0.090 χ^2/NDF: 33.1/22

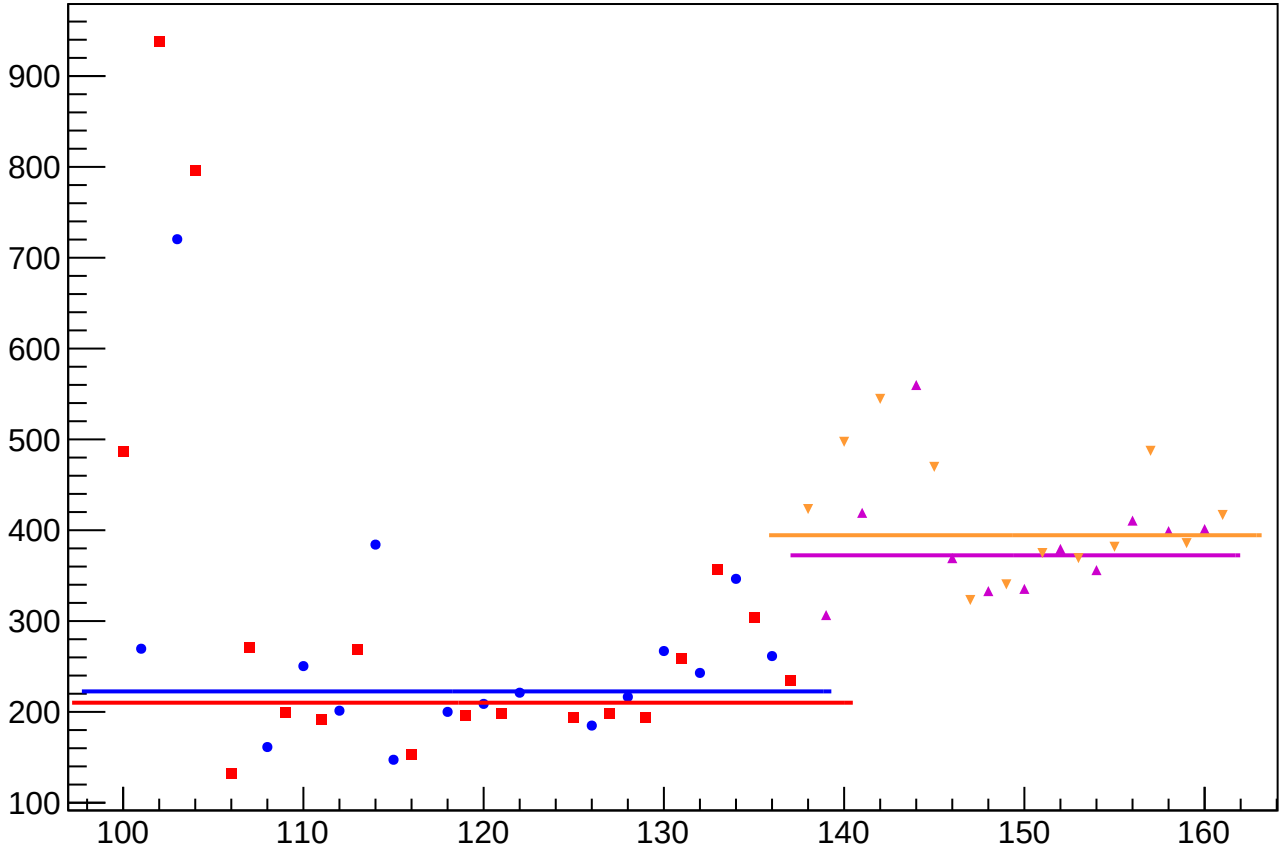
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: -0.007+/-0.073 χ^2/NDF:45.2/29

All: -0.020+/-0.051 χ^2/NDF: 77.0/56

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: 394.496+/-0.093 χ^2/NDF:377355.5/11

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

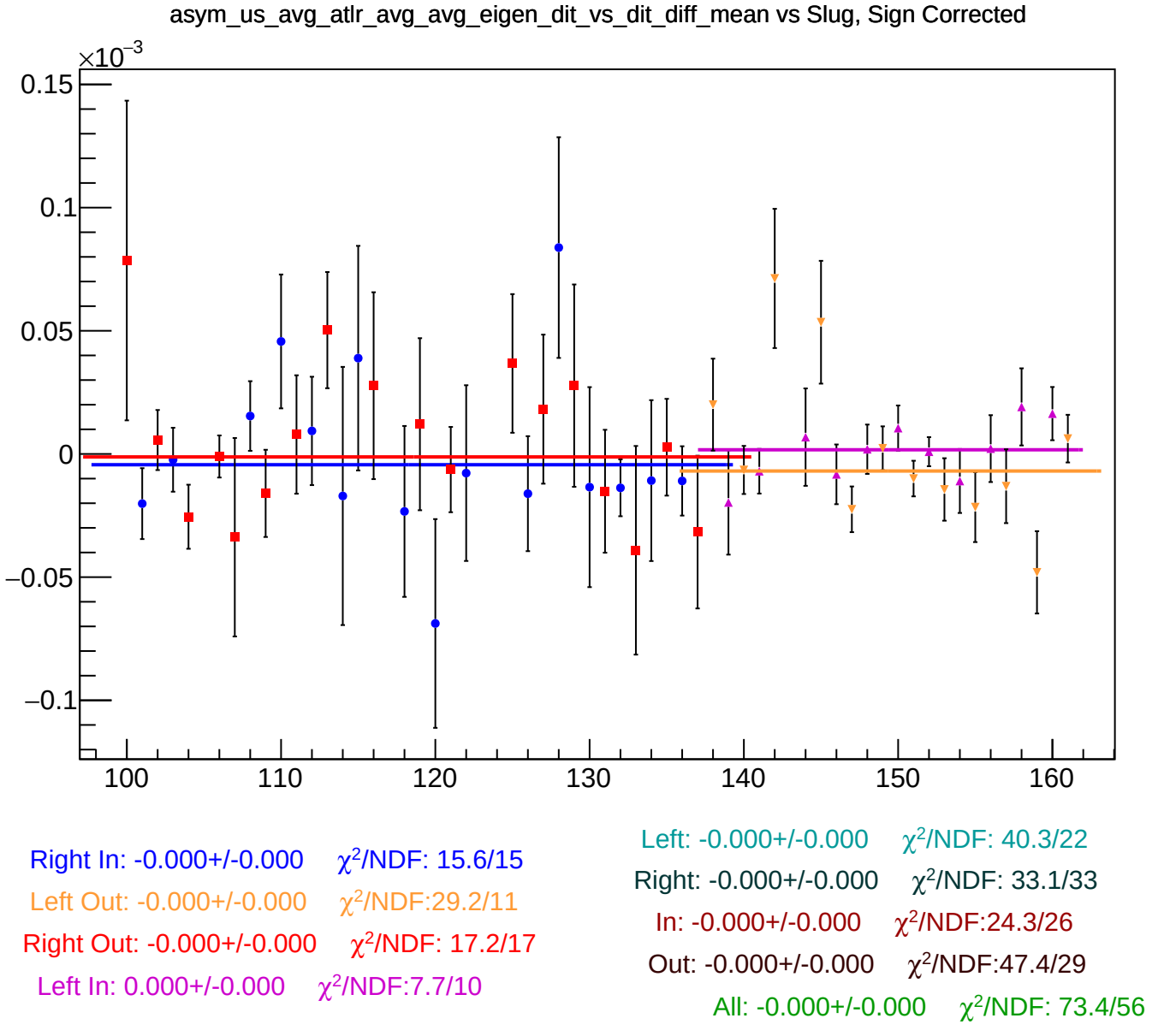
Left: 382.765+/-0.063 χ^2/NDF: 780317.8/22

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

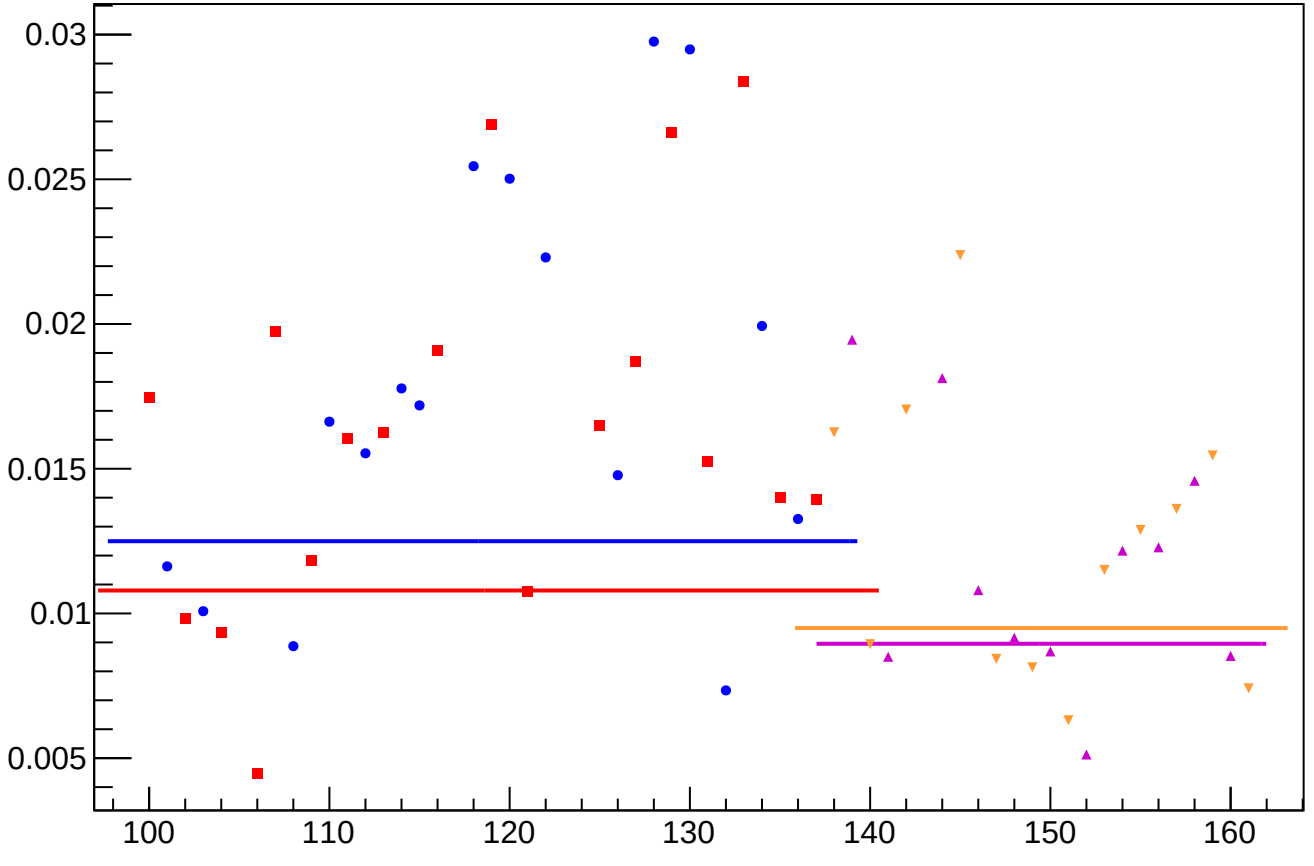
In: 273.732+/-0.051 χ^2/NDF:3341745.8/26

Out: 267.021+/-0.051 χ^2/NDF:4670677.0/29

All: 270.411+/-0.036 χ^2/NDF: 8021033.4/56


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:29.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:7.7/10
Left: -0.000+/-0.000 χ²/NDF: 40.3/22
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:24.3/26
Out: -0.000+/-0.000 χ²/NDF:47.4/29
All: -0.000+/-0.000 χ²/NDF: 73.4/56

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: 0.009+/-0.000 χ^2/NDF:2070478.5/11

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:2321912.4/10

Left: 0.009+/-0.000 χ^2/NDF: 4420029.4/22

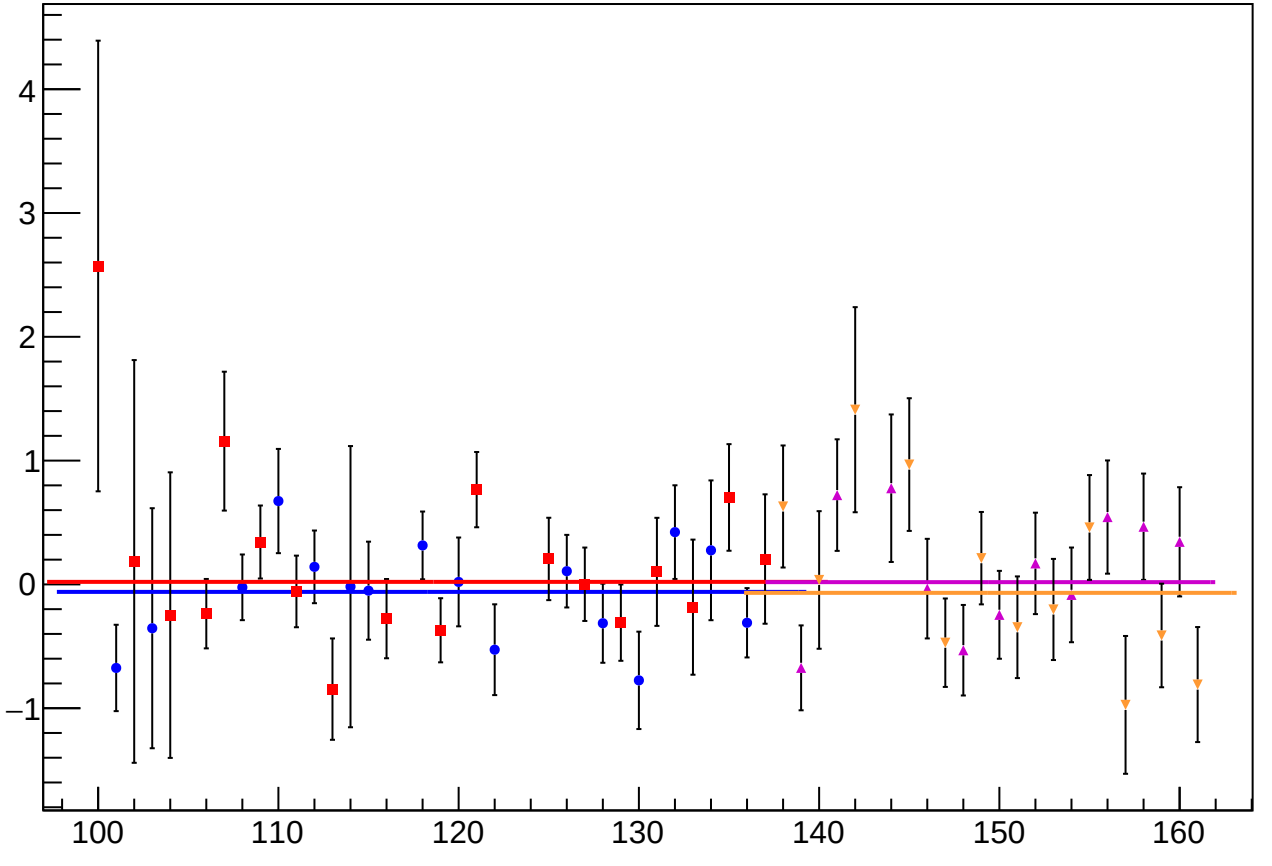
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5133675.3/26

Out: 0.010+/-0.000 χ^2/NDF:5162790.4/29

All: 0.010+/-0.000 χ^2/NDF: 10296472.7/56

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: -0.068+/-0.131 χ^2/NDF:18.8/11

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: -0.022+/-0.090 χ^2/NDF: 33.1/22

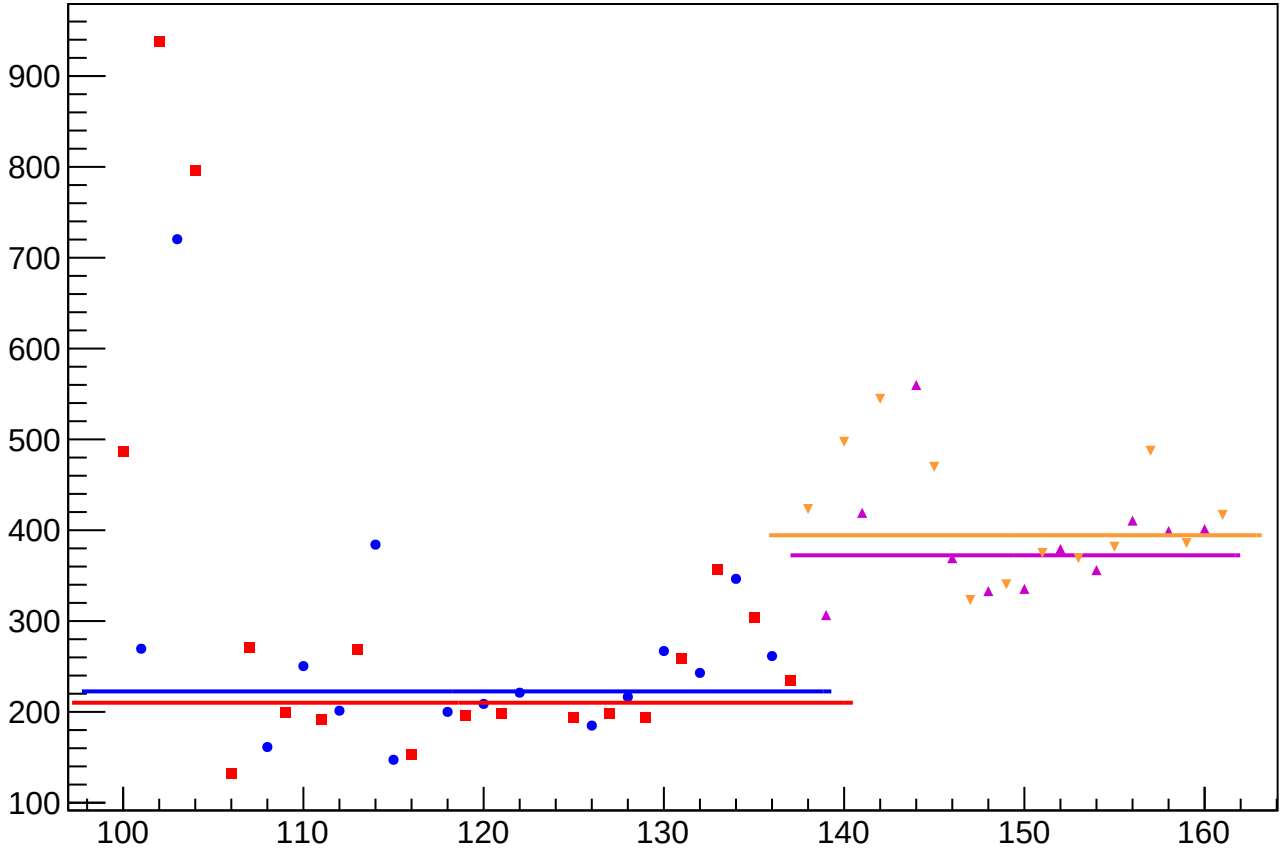
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: -0.007+/-0.073 χ^2/NDF:45.2/29

All: -0.020+/-0.051 χ^2/NDF: 77.0/56

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: 394.502+/-0.093 χ^2/NDF:377359.0/11

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

Left: 382.770+/-0.063 χ^2/NDF: 780313.8/22

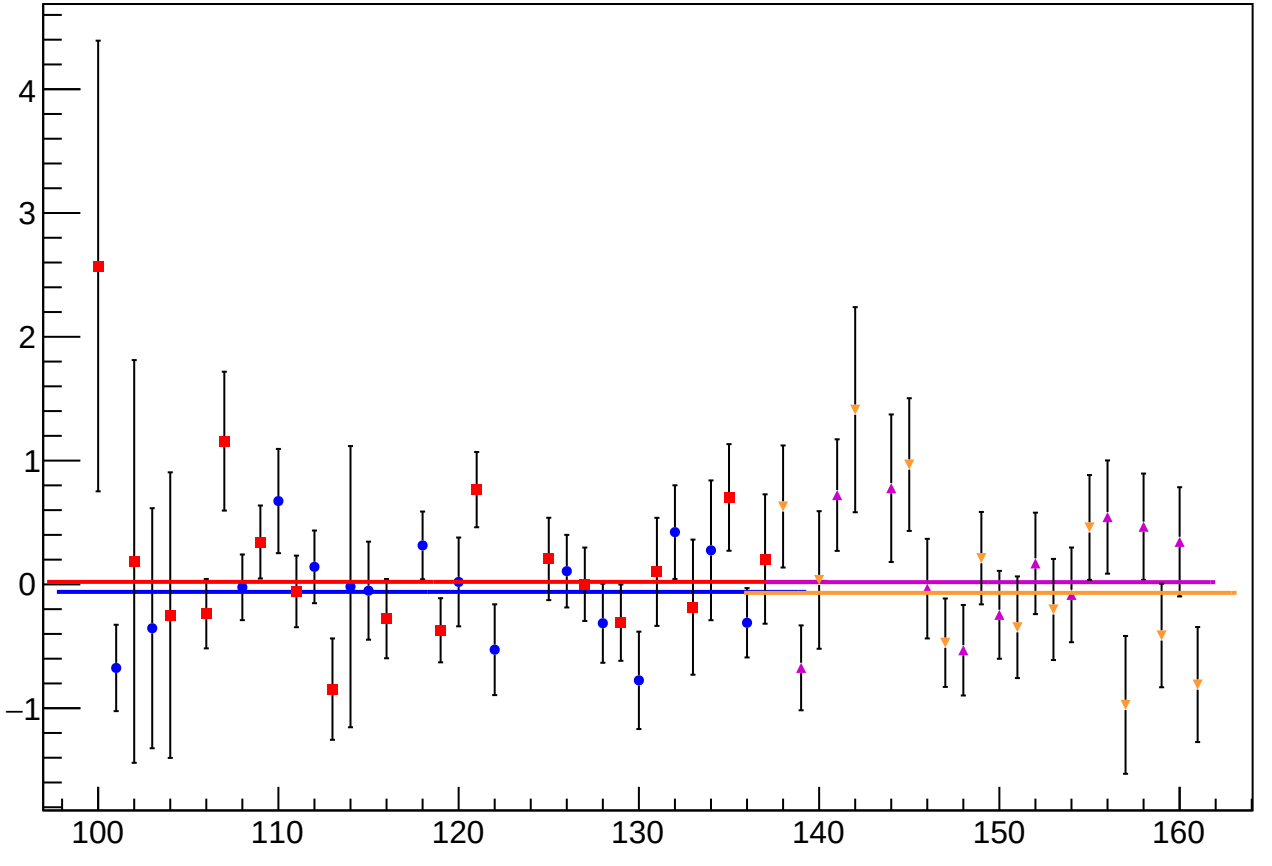
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 273.731+/-0.051 χ^2/NDF:3341893.9/26

Out: 267.019+/-0.051 χ^2/NDF:4670873.1/29

All: 270.410+/-0.036 χ^2/NDF: 8021381.2/56

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: -0.068+/-0.131 χ^2/NDF:18.8/11

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.018+/-0.123 χ^2/NDF:14.1/10

Left: -0.022+/-0.090 χ^2/NDF: 33.1/22

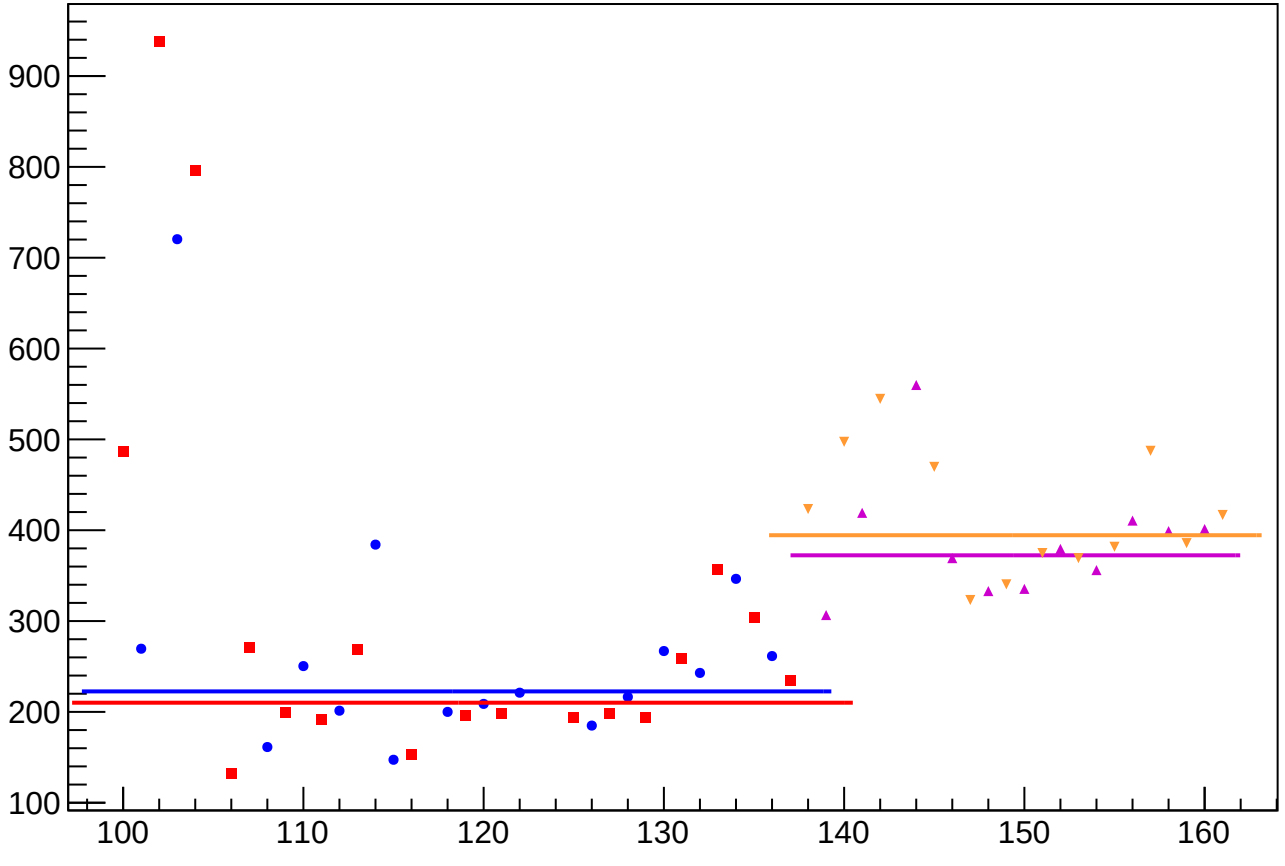
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.034+/-0.072 χ^2/NDF:31.7/26

Out: -0.007+/-0.073 χ^2/NDF:45.2/29

All: -0.020+/-0.051 χ^2/NDF: 77.0/56

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: 394.502+/-0.093 χ^2/NDF:377359.0/11

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

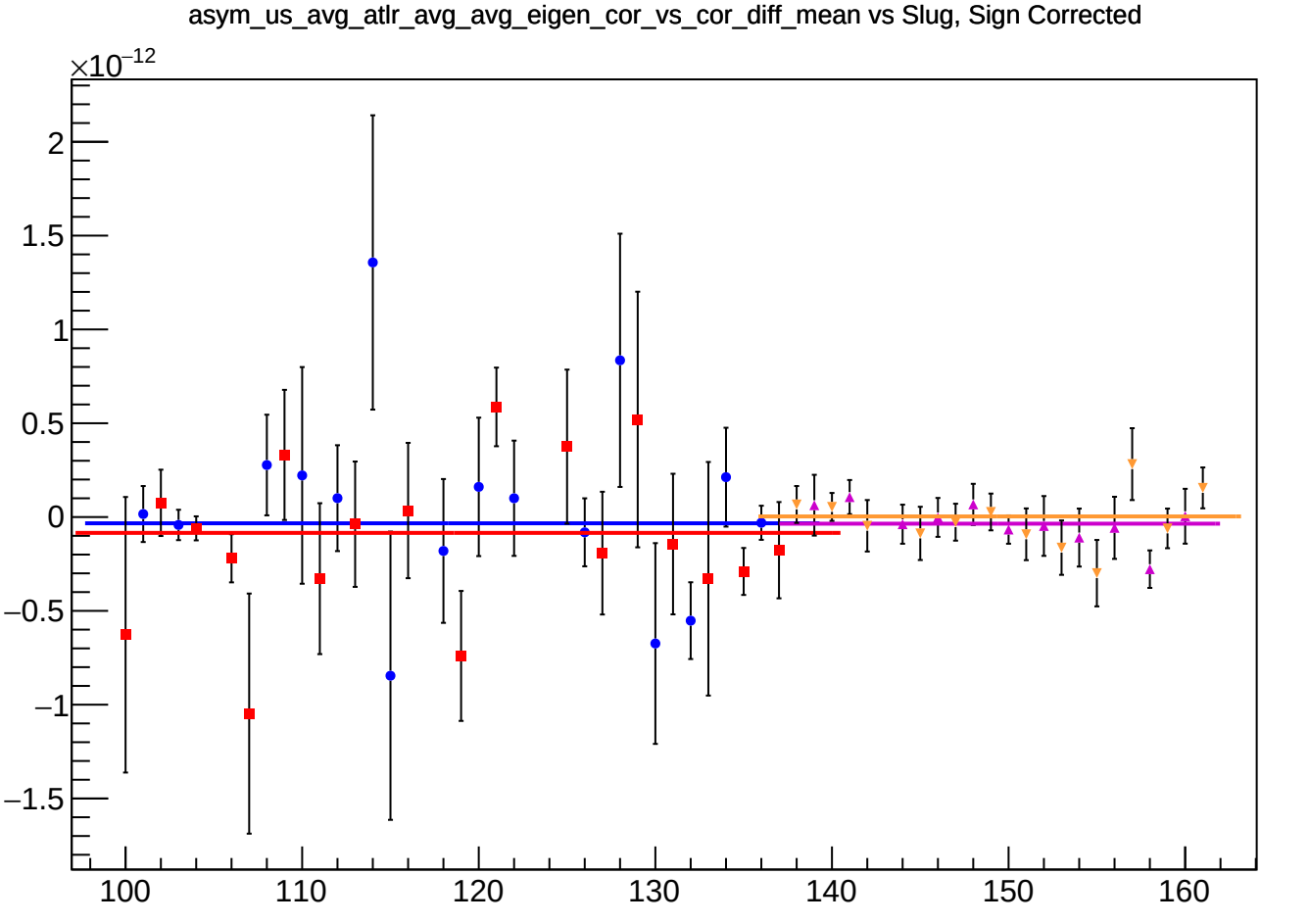
Left: 382.770+/-0.063 χ^2/NDF: 780313.8/22

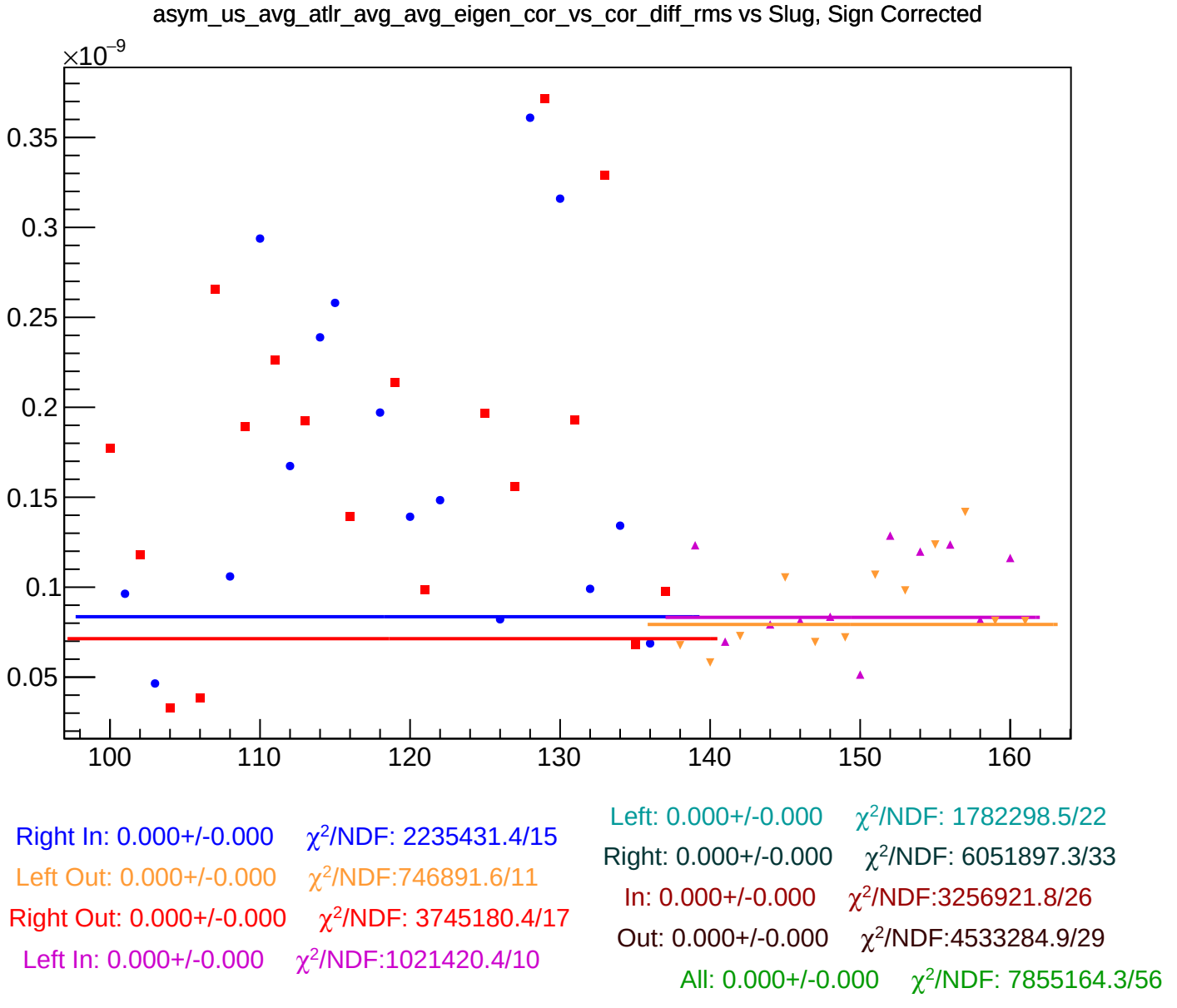
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

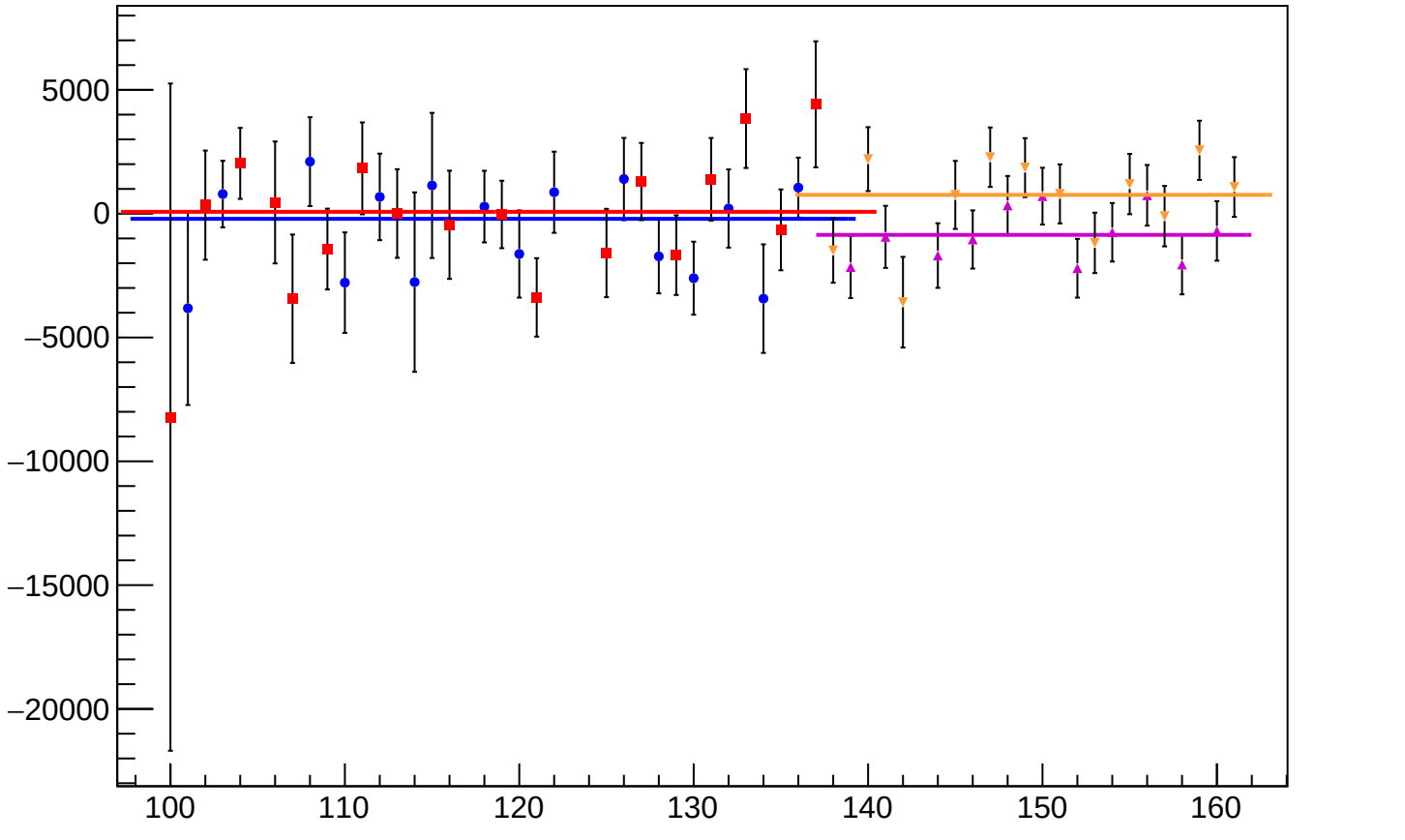
In: 273.731+/-0.051 χ^2/NDF:3341893.9/26

Out: 267.019+/-0.051 χ^2/NDF:4670873.1/29

All: 270.410+/-0.036 χ^2/NDF: 8021381.2/56


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:10.2/10
Left: -0.000+/-0.000 χ²/NDF: 21.6/22
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:27.4/26
Out: -0.000+/-0.000 χ²/NDF:39.1/29
All: -0.000+/-0.000 χ²/NDF: 66.5/56


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:746891.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1021420.4/10
Left: 0.000+/-0.000 χ²/NDF: 1782298.5/22
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3256921.8/26
Out: 0.000+/-0.000 χ²/NDF:4533284.9/29
All: 0.000+/-0.000 χ²/NDF: 7855164.3/56



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 759.295+/-364.497 χ^2/NDF:17.8/11

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -855.710+/-364.600 χ^2/NDF:8.4/10

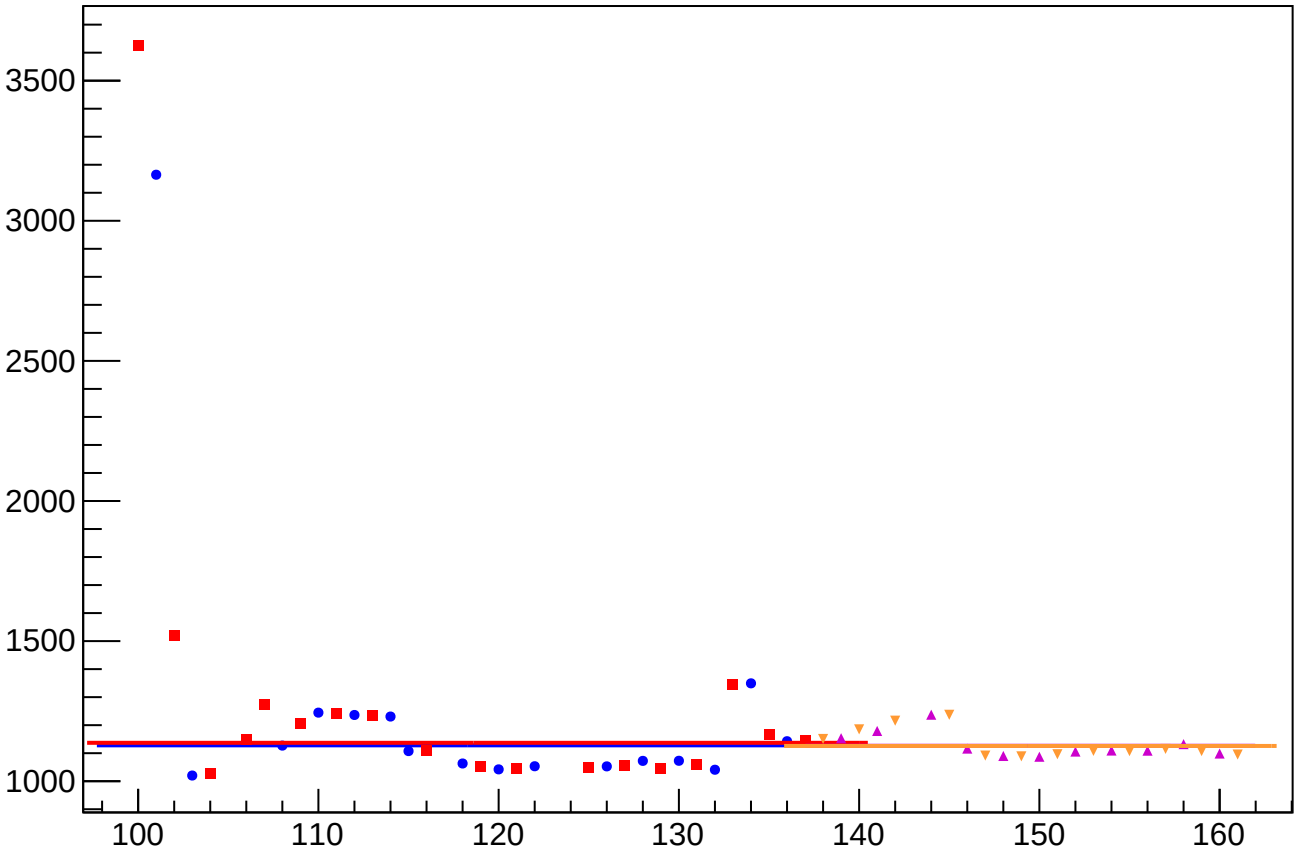
Left: -47.980+/-257.775 χ^2/NDF: 36.0/22

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -584.328+/-277.861 χ^2/NDF:24.5/26

Out: 474.029+/-278.250 χ^2/NDF:39.9/29

All: -55.889+/-196.615 χ^2/NDF: 71.6/56



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1125.828+/-0.258 χ^2/NDF:30515.0/11

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

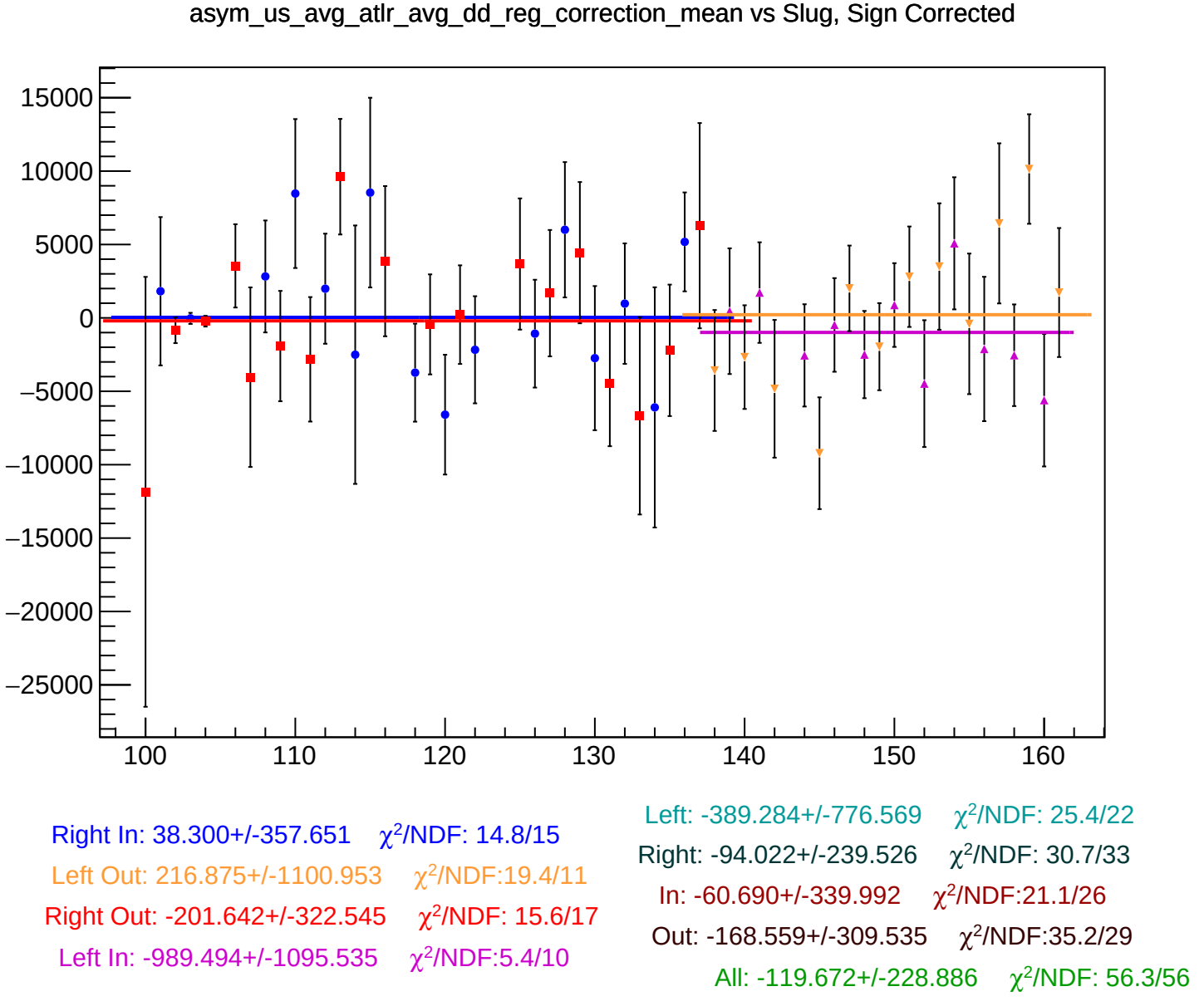
Left: 1126.142+/-0.182 χ^2/NDF: 56336.9/22

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

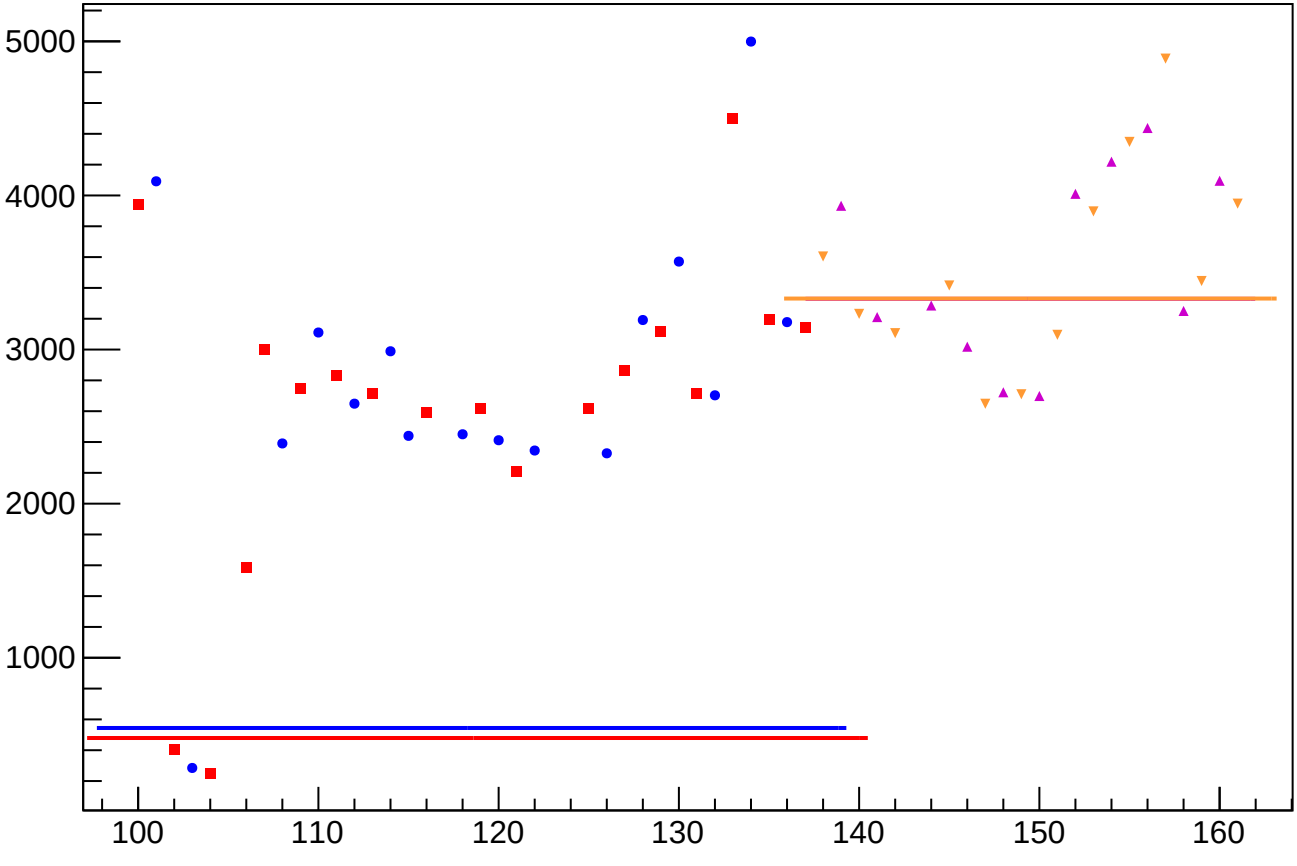
In: 1127.106+/-0.196 χ^2/NDF:647228.7/26

Out: 1130.517+/-0.197 χ^2/NDF:251392.5/29

All: 1128.810+/-0.139 χ^2/NDF: 898771.7/56


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 216.875+/-1100.953 χ²/NDF:19.4/11
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -989.494+/-1095.535 χ²/NDF:5.4/10
Left: -389.284+/-776.569 χ²/NDF: 25.4/22
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -60.690+/-339.992 χ²/NDF:21.1/26
Out: -168.559+/-309.535 χ²/NDF:35.2/29
All: -119.672+/-228.886 χ²/NDF: 56.3/56

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3330.980+/-0.778 χ^2/NDF:551618.0/11

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3329.152+/-0.775 χ^2/NDF:530634.1/10

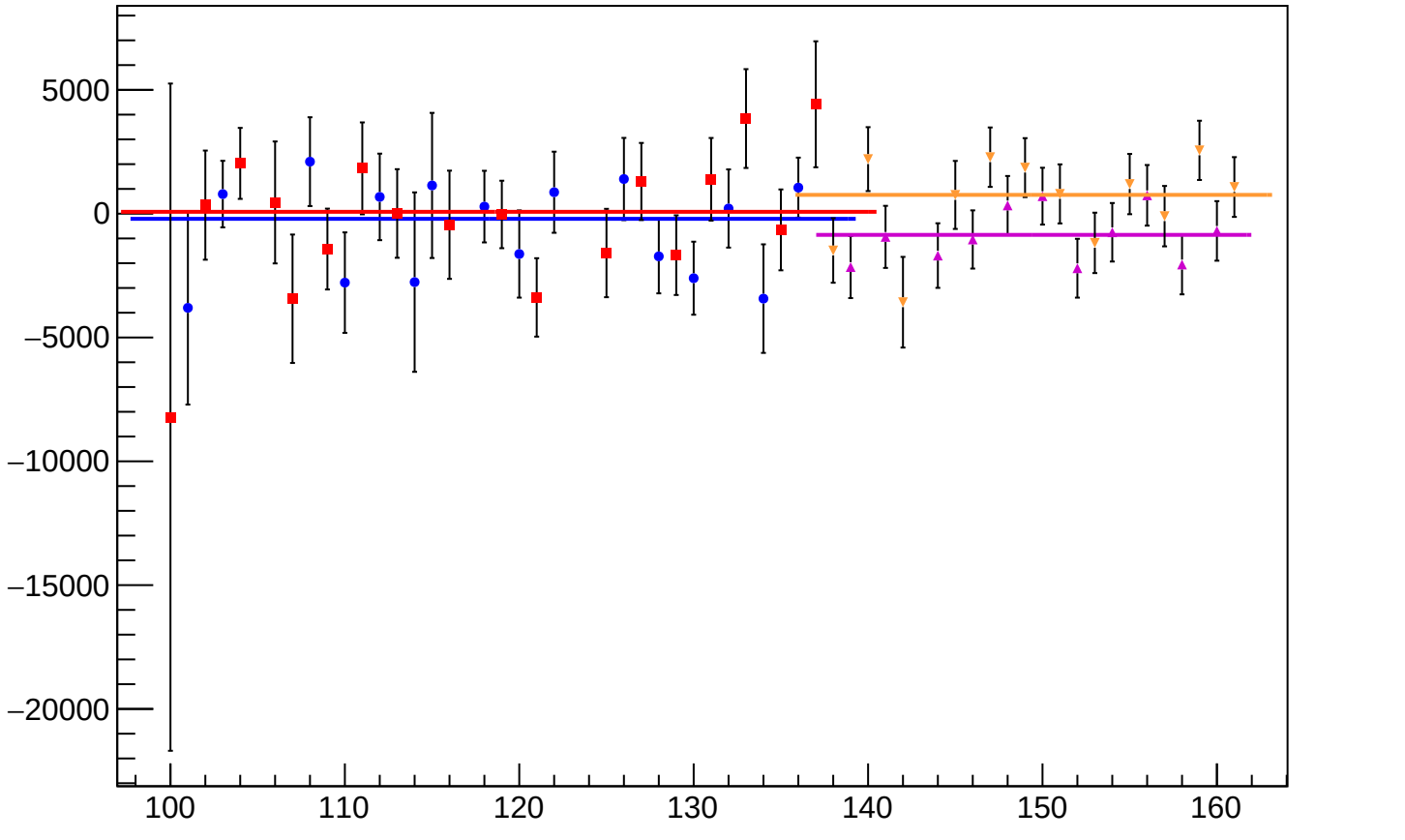
Left: 3330.061+/-0.549 χ^2/NDF: 1082254.9/22

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 812.550+/-0.240 χ^2/NDF:21892130.9/26

Out: 704.671+/-0.219 χ^2/NDF:22097553.6/29

All: 753.563+/-0.162 χ^2/NDF: 44099784.1/56



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 759.327+/-364.497 χ^2/NDF:17.8/11

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -855.746+/-364.600 χ^2/NDF:8.4/10

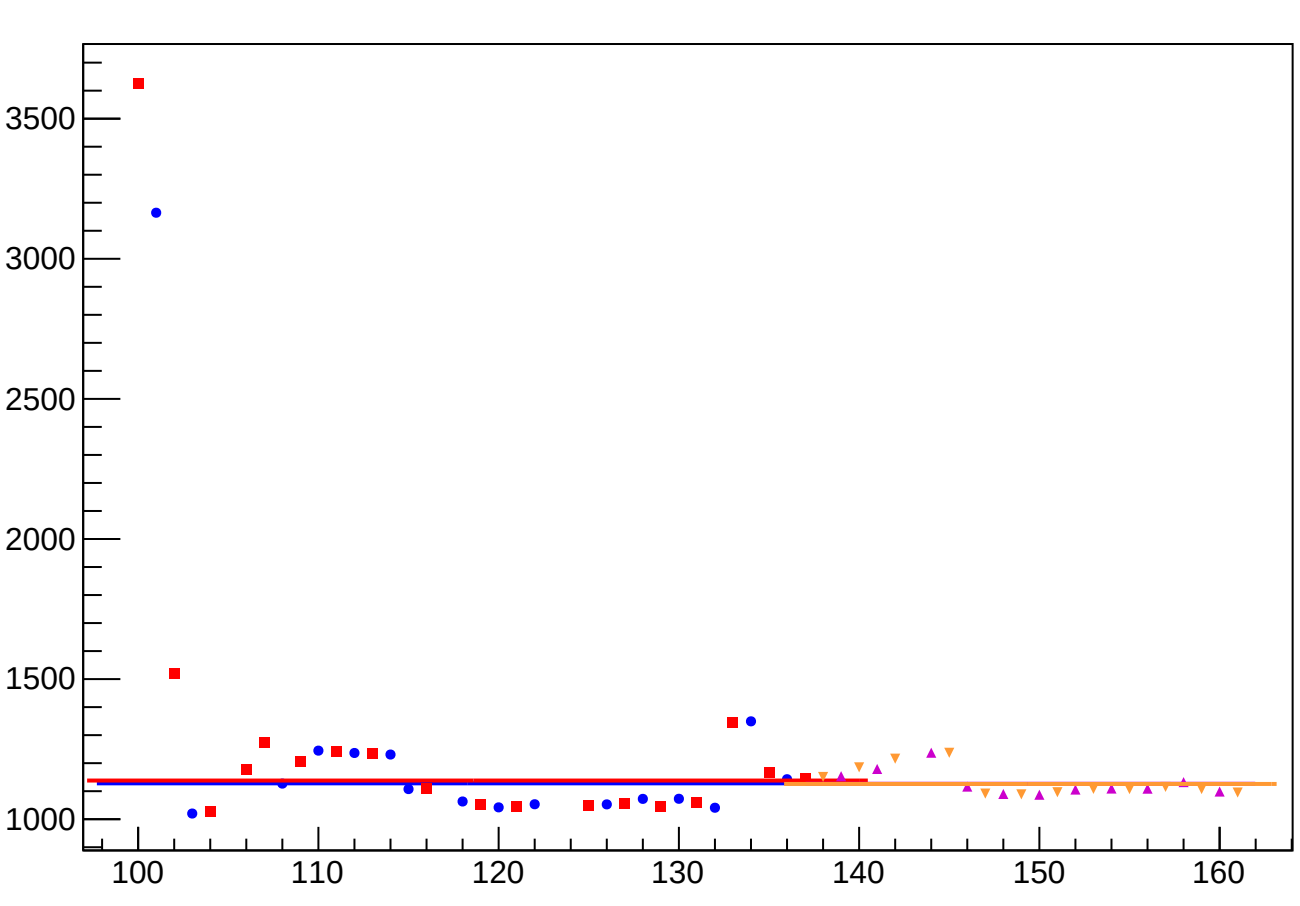
Left: -47.983+/-257.775 χ^2/NDF: 36.0/22

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -584.253+/-277.861 χ^2/NDF:24.5/26

Out: 474.108+/-278.250 χ^2/NDF:39.9/29

All: -55.813+/-196.615 χ^2/NDF: 71.6/56



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1125.828+/-0.258 χ^2/NDF:30515.0/11

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

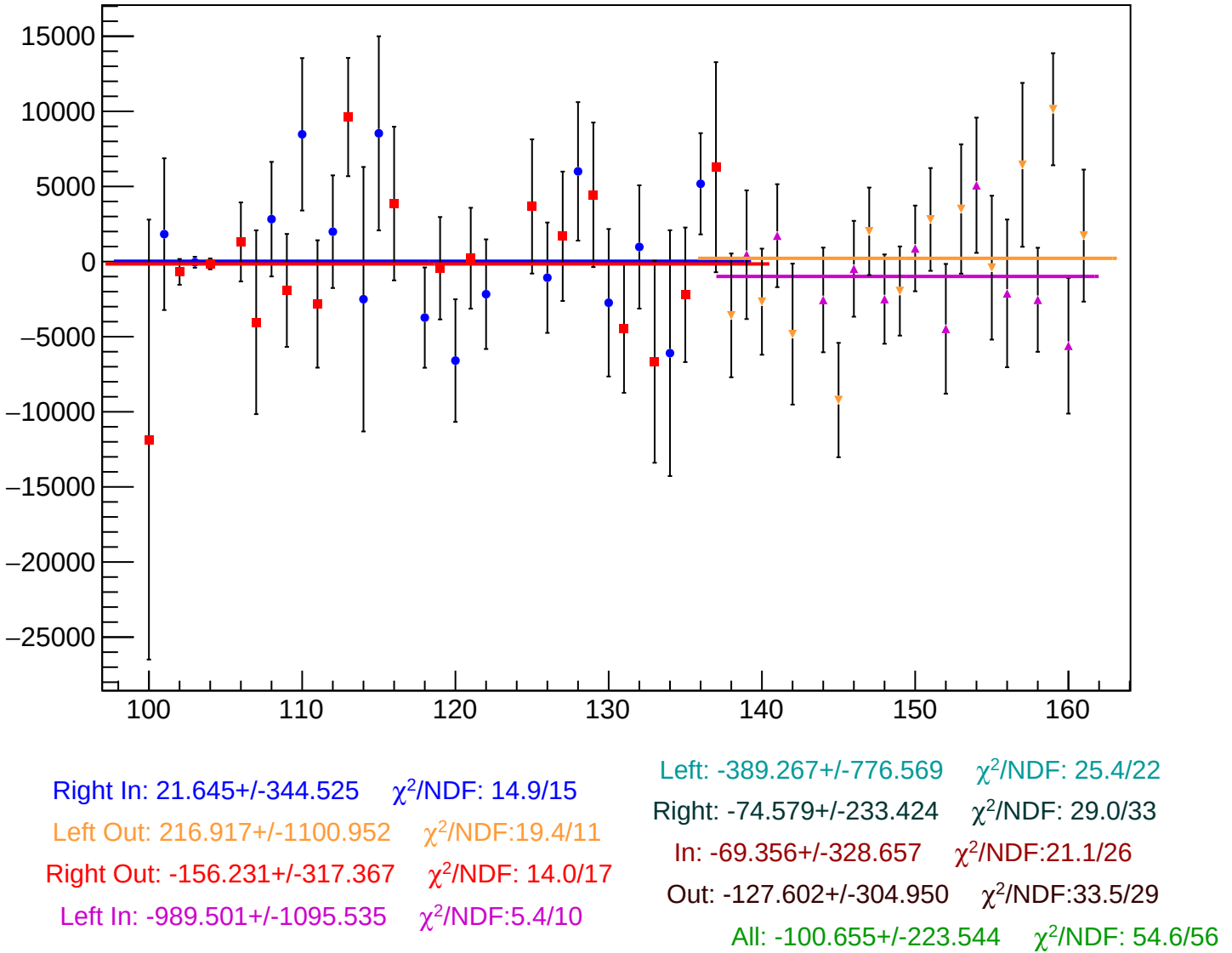
Left: 1126.142+/-0.182 χ^2/NDF: 56336.9/22

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

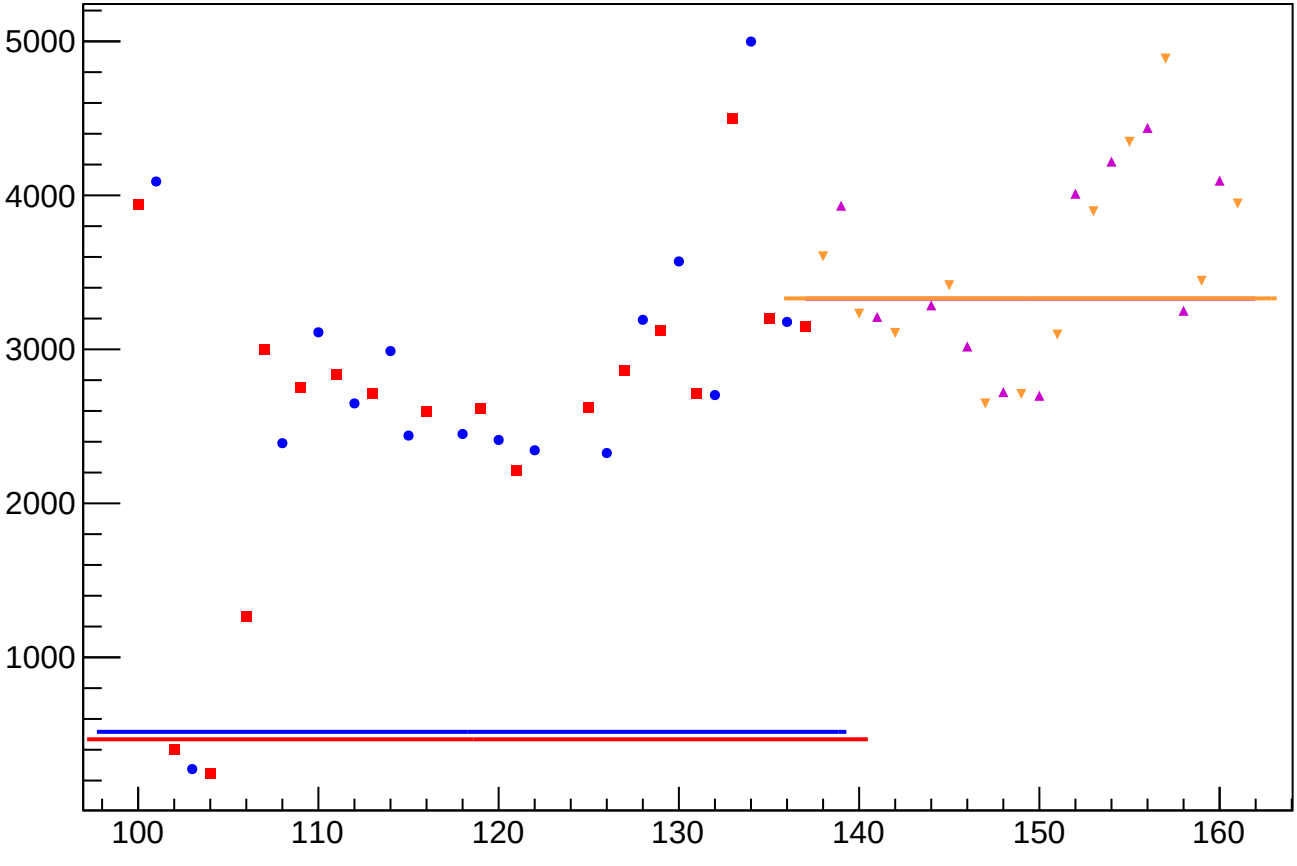
In: 1127.106+/-0.196 χ^2/NDF:647229.8/26

Out: 1130.910+/-0.197 χ^2/NDF:252070.5/29

All: 1129.006+/-0.139 χ^2/NDF: 899487.5/56


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 216.917+/-1100.952 χ²/NDF:19.4/11
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -989.501+/-1095.535 χ²/NDF:5.4/10
Left: -389.267+/-776.569 χ²/NDF: 25.4/22
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -69.356+/-328.657 χ²/NDF:21.1/26
Out: -127.602+/-304.950 χ²/NDF:33.5/29
All: -100.655+/-223.544 χ²/NDF: 54.6/56

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: 3330.978+/-0.778 χ^2/NDF:551619.8/11

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

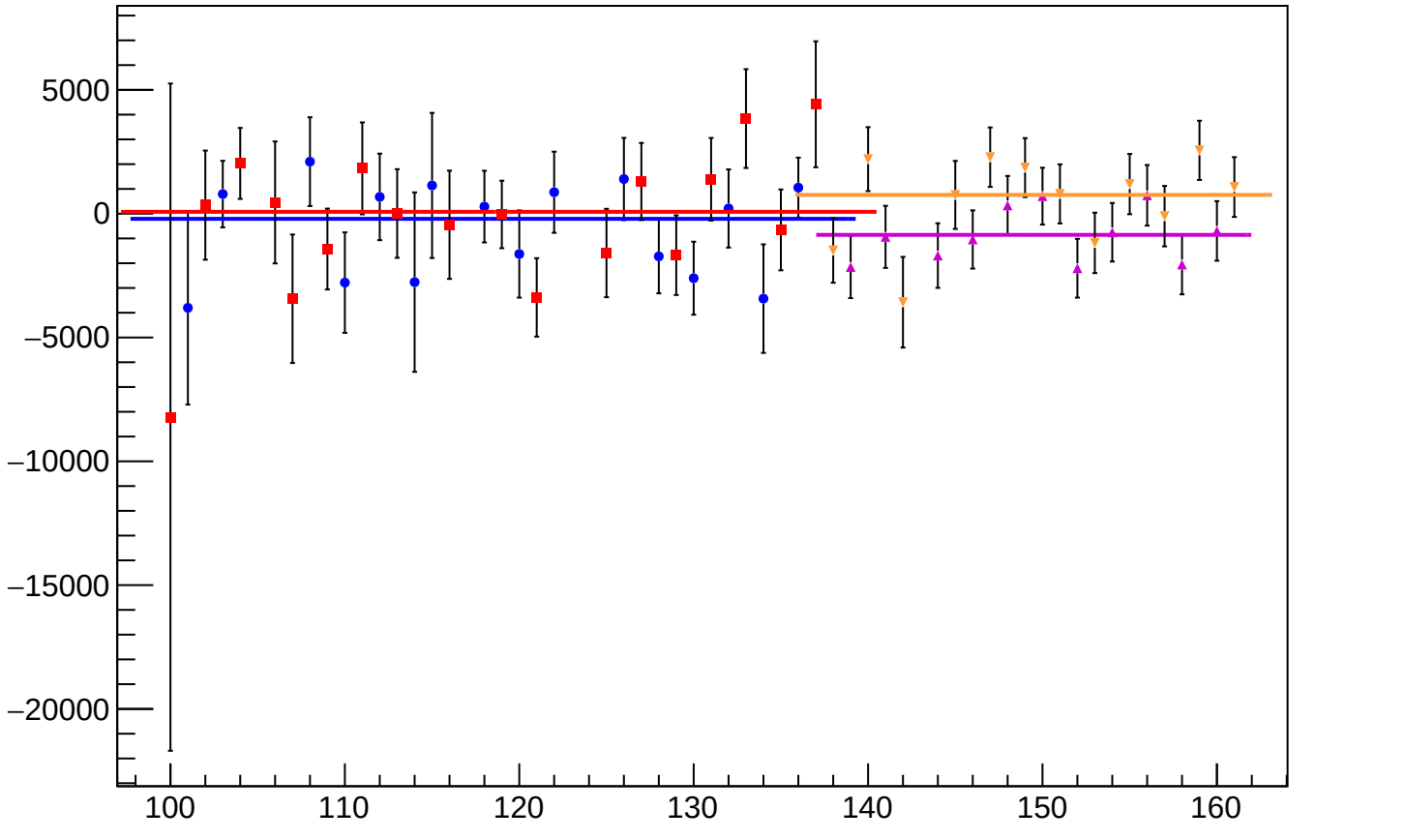
Left: 3330.060+/-0.549 χ^2/NDF: 1082261.6/22

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 769.448+/-0.232 χ^2/NDF:22363452.5/26

Out: 687.708+/-0.216 χ^2/NDF:22149422.6/29

All: 725.524+/-0.158 χ^2/NDF: 44579352.4/56



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 759.327+/-364.497 χ^2/NDF:17.8/11

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -855.746+/-364.600 χ^2/NDF:8.4/10

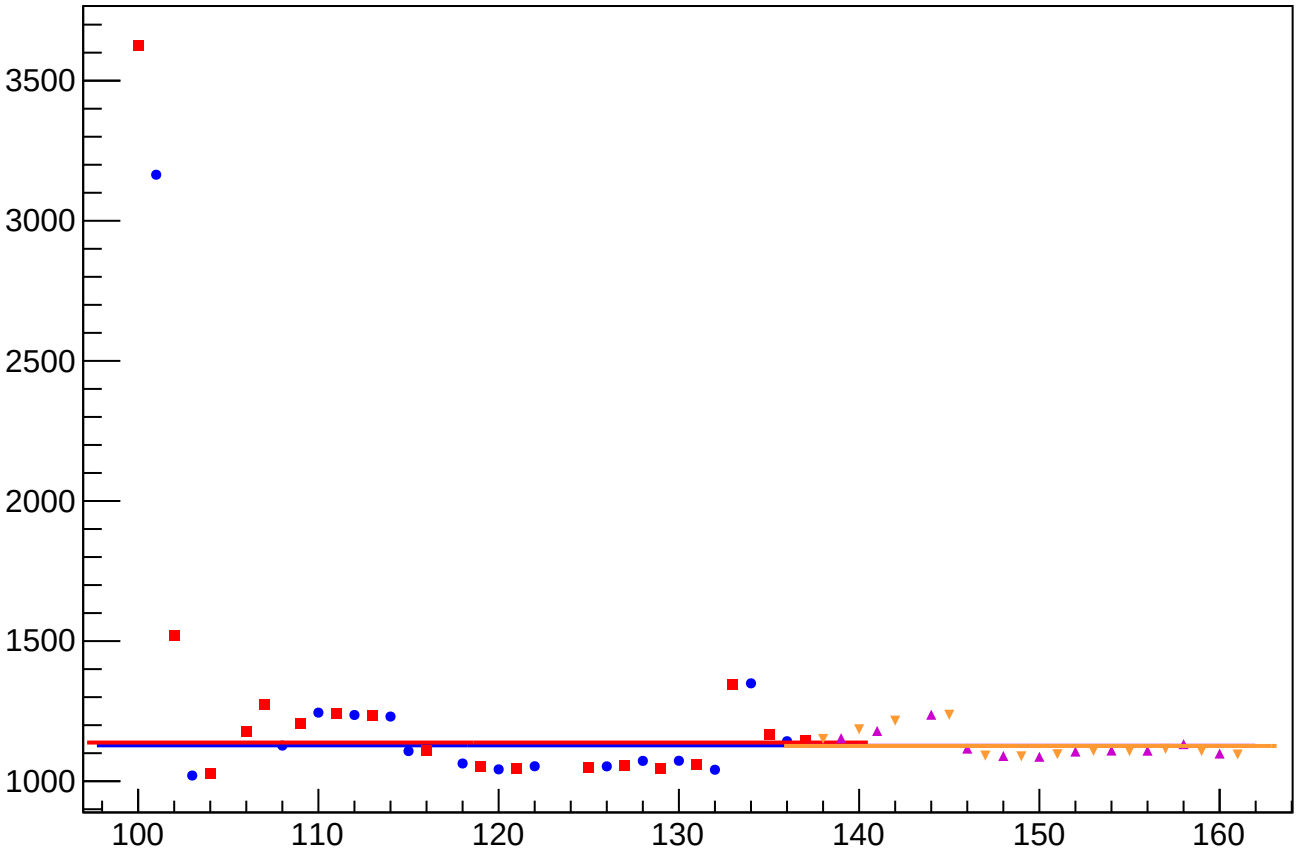
Left: -47.983+/-257.775 χ^2/NDF: 36.0/22

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -584.253+/-277.861 χ^2/NDF:24.5/26

Out: 474.108+/-278.250 χ^2/NDF:39.9/29

All: -55.813+/-196.615 χ^2/NDF: 71.6/56



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1125.828+/-0.258 χ^2/NDF:30515.0/11

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

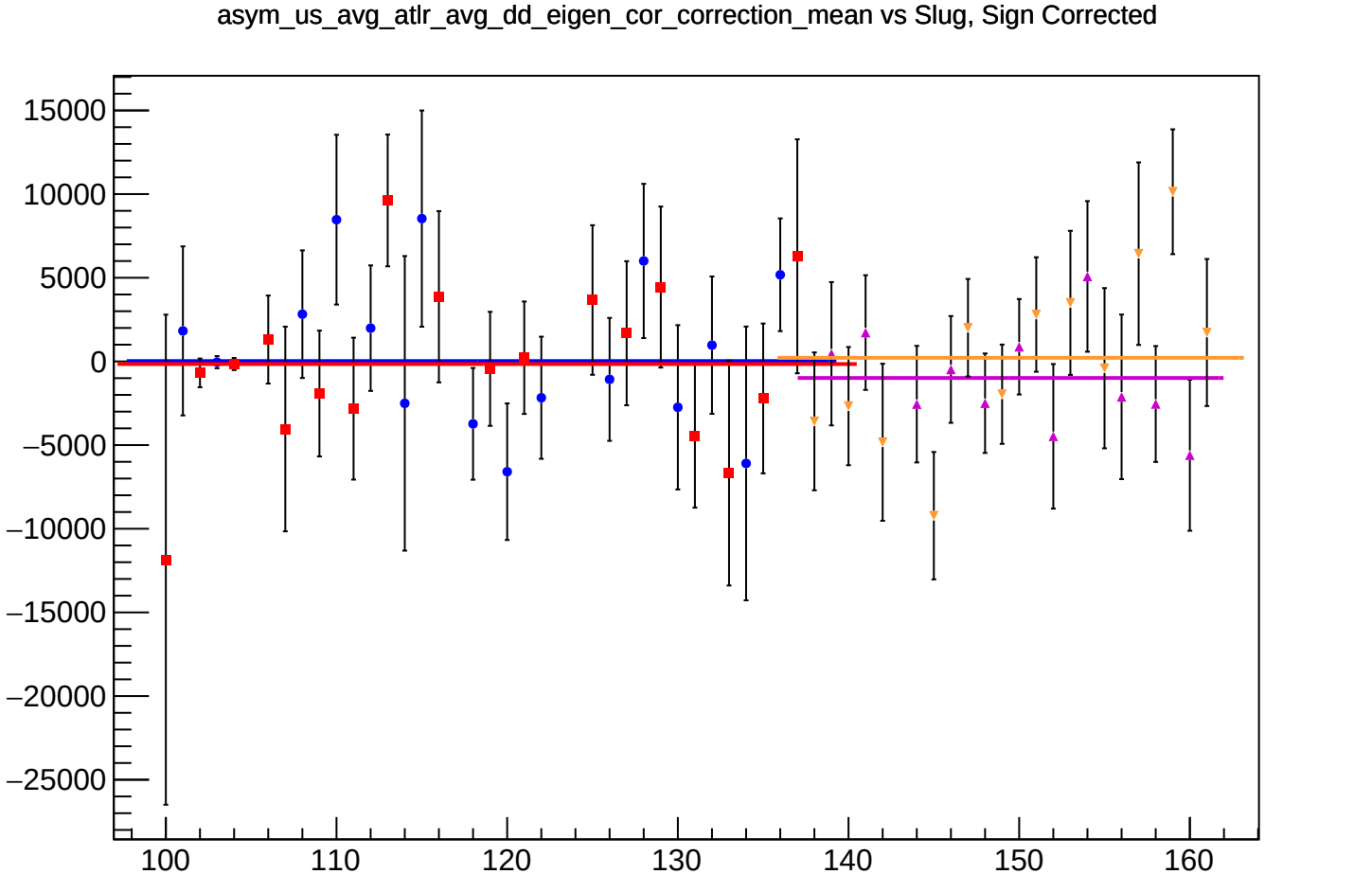
Left: 1126.142+/-0.182 χ^2/NDF: 56336.9/22

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

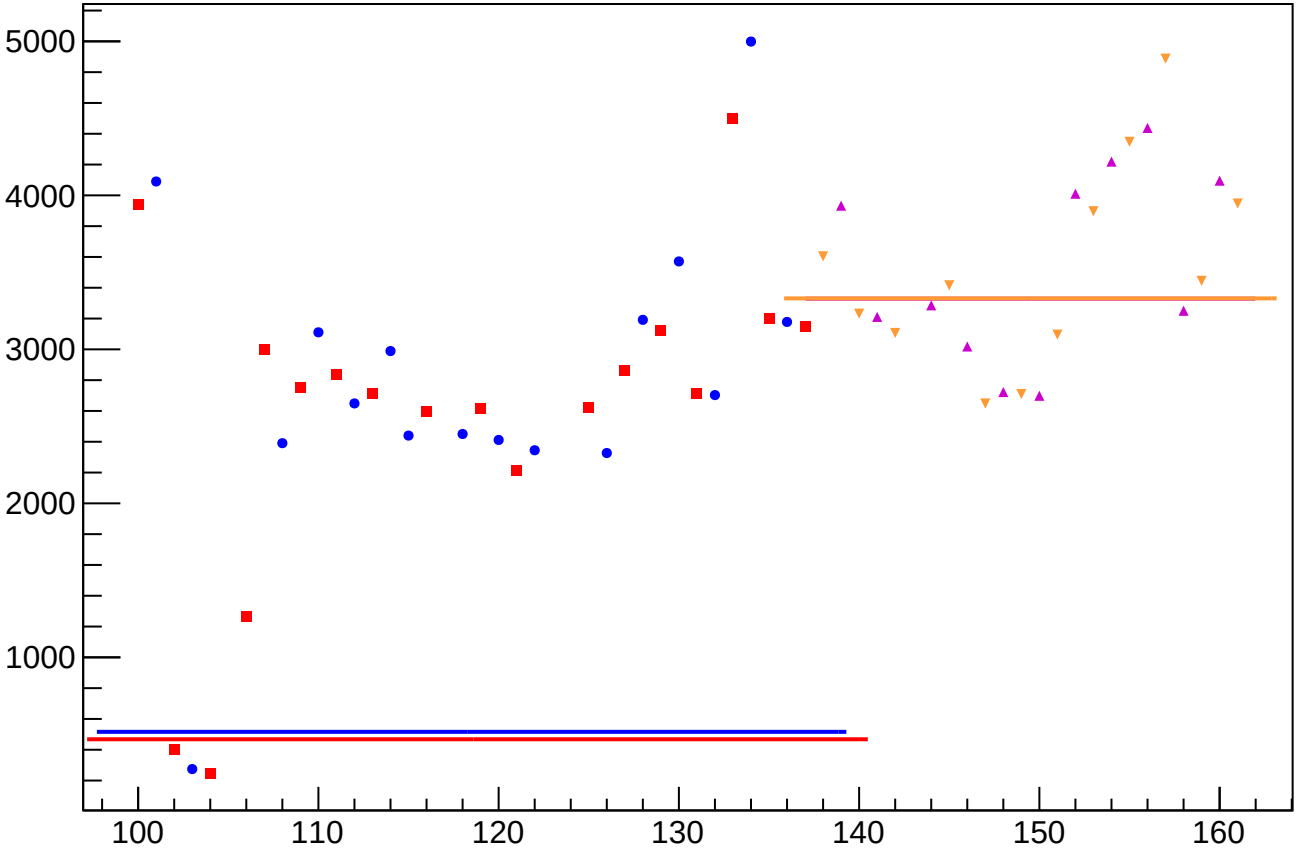
In: 1127.106+/-0.196 χ^2/NDF:647229.8/26

Out: 1130.910+/-0.197 χ^2/NDF:252070.5/29

All: 1129.006+/-0.139 χ^2/NDF: 899487.5/56


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 216.917+/-1100.952 χ²/NDF:19.4/11
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -989.501+/-1095.535 χ²/NDF:5.4/10
Left: -389.267+/-776.569 χ²/NDF: 25.4/22
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -69.356+/-328.657 χ²/NDF:21.1/26
Out: -127.602+/-304.950 χ²/NDF:33.5/29
All: -100.655+/-223.544 χ²/NDF: 54.6/56

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3330.978+/-0.778 χ^2/NDF:551619.8/11

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

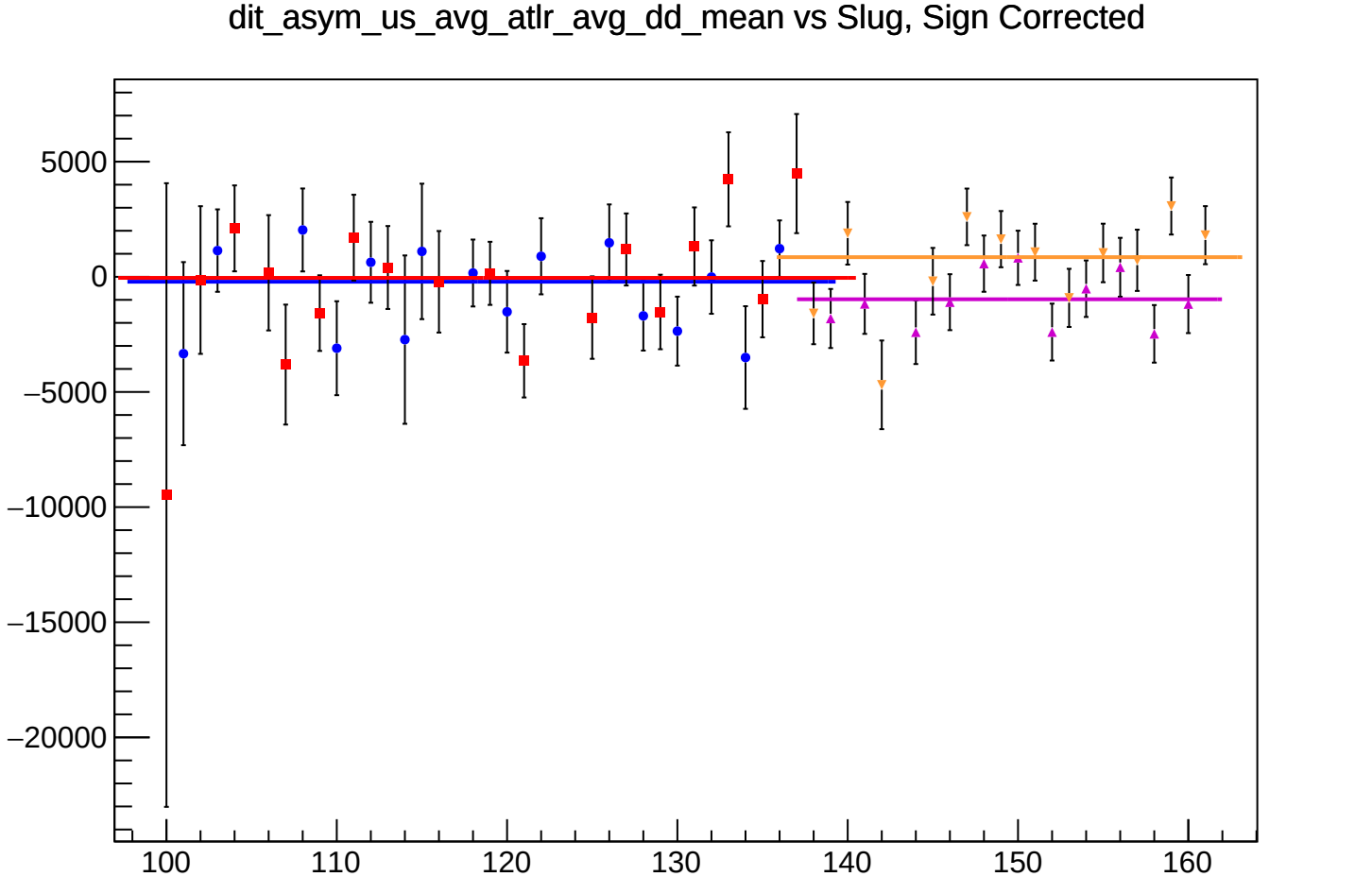
Left: 3330.060+/-0.549 χ^2/NDF: 1082261.6/22

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 769.448+/-0.232 χ^2/NDF:22363452.5/26

Out: 687.708+/-0.216 χ^2/NDF:22149422.6/29

All: 725.524+/-0.158 χ^2/NDF: 44579352.4/56



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 853.353+/-379.926 χ^2/NDF:21.0/11

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -974.665+/-378.297 χ^2/NDF:9.6/10

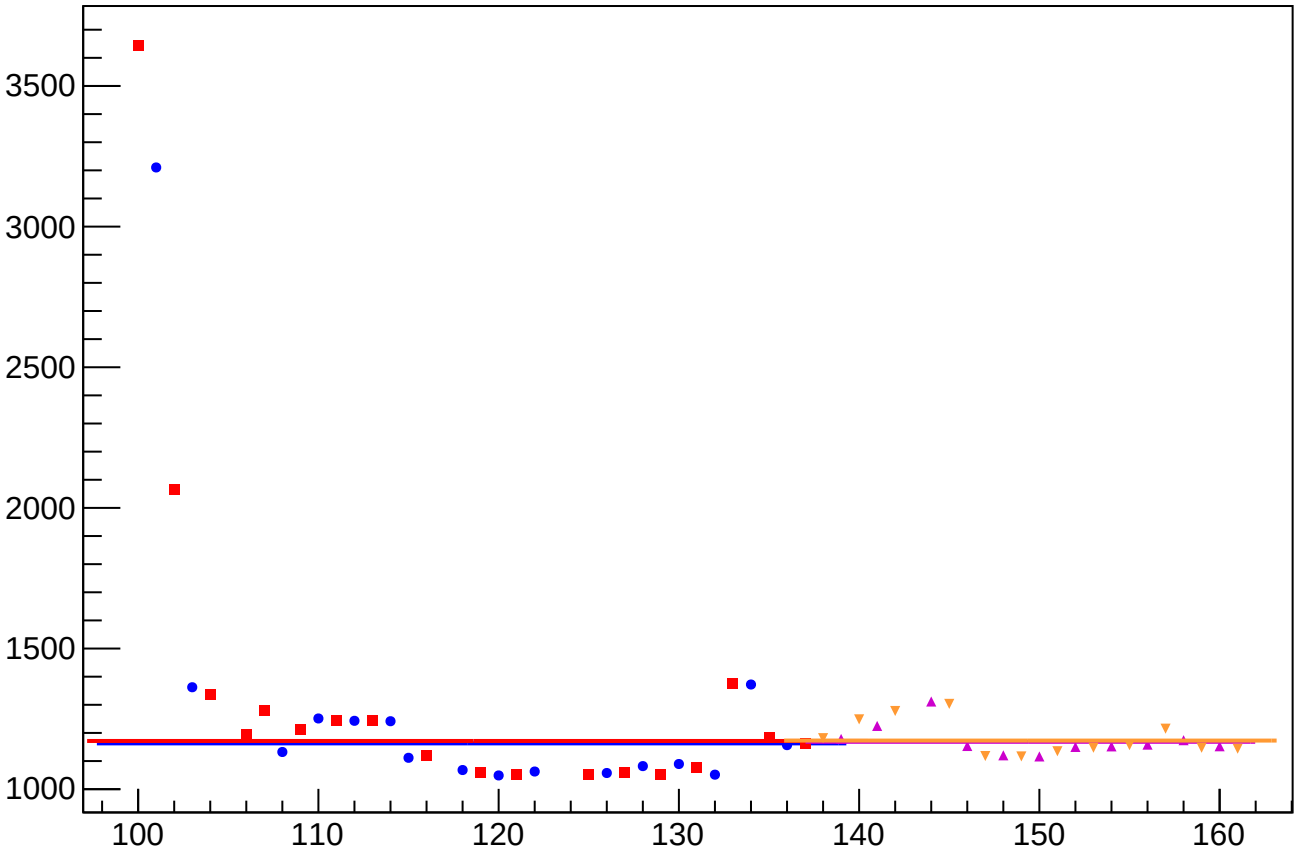
Left: -64.585+/-268.070 χ^2/NDF: 42.2/22

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -653.236+/-287.592 χ^2/NDF:25.6/26

Out: 476.559+/-289.548 χ^2/NDF:45.0/29

All: -92.168+/-204.046 χ^2/NDF: 78.3/56



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1172.834+/-0.269 χ^2/NDF:43651.1/11

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1168.409+/-0.267 χ^2/NDF:33921.9/10

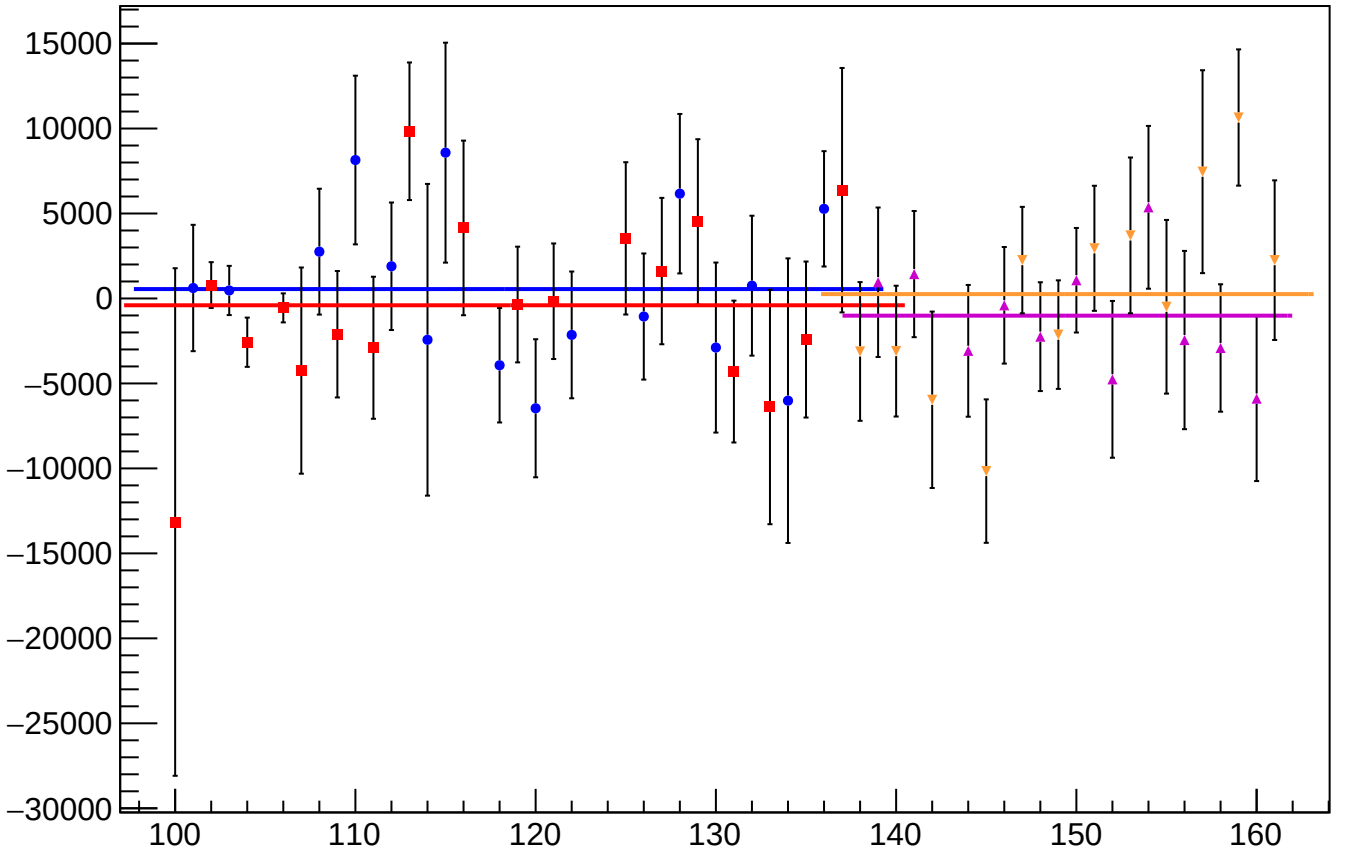
Left: 1170.612+/-0.190 χ^2/NDF: 77709.3/22

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.063+/-0.203 χ^2/NDF:669457.5/26

Out: 1172.241+/-0.205 χ^2/NDF:375303.5/29

All: 1169.132+/-0.144 χ^2/NDF: 1045219.5/56



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 255.890+/-1181.761 χ^2/NDF:19.4/11

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -1011.994+/-1178.855 χ^2/NDF:5.3/10

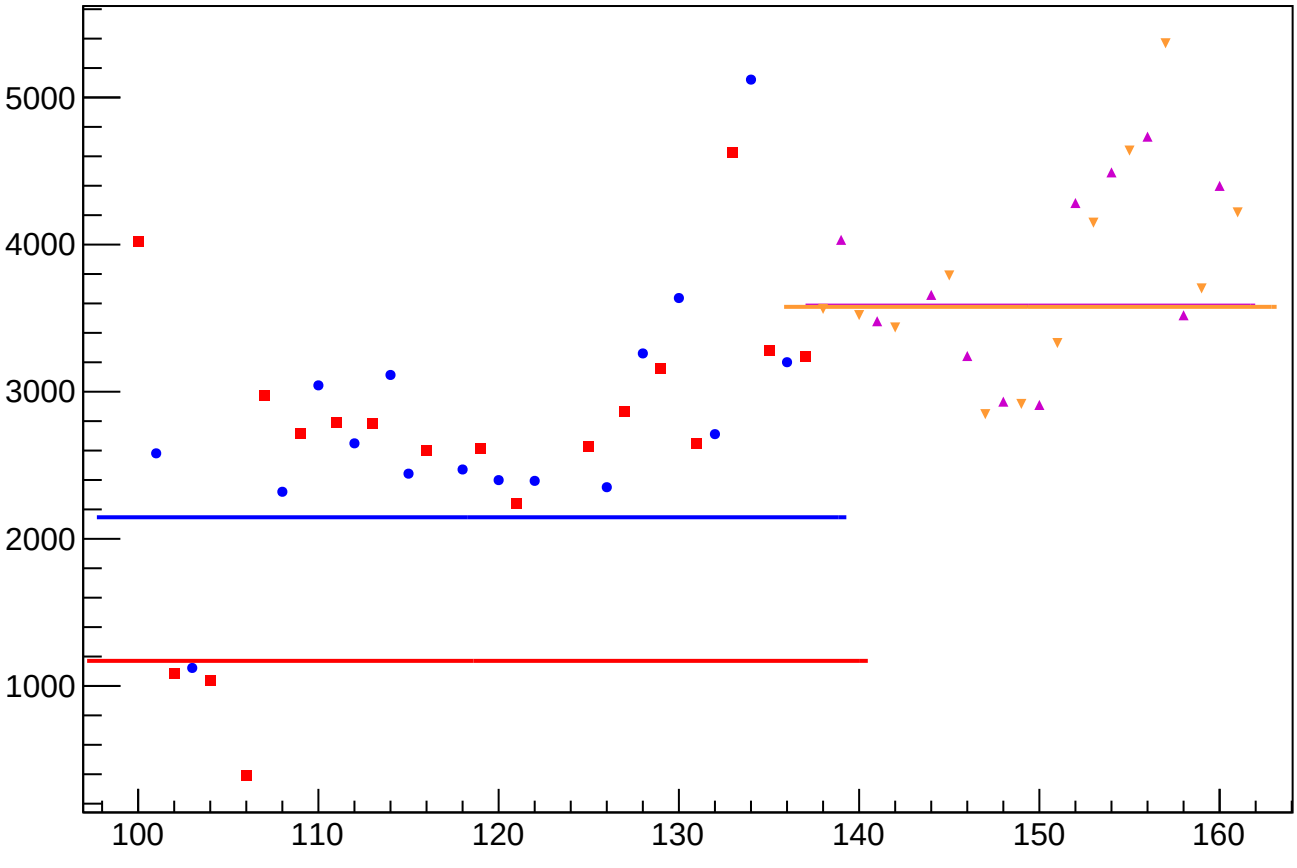
Left: -379.613+/-834.602 χ^2/NDF: 25.3/22

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: -2.522+/-702.155 χ^2/NDF:20.9/26

Out: -278.016+/-510.377 χ^2/NDF:36.3/29

All: -182.778+/-412.839 χ^2/NDF: 57.3/56



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3576.855+/-0.836 χ^2/NDF:546749.4/11

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3585.315+/-0.834 χ^2/NDF:492400.1/10

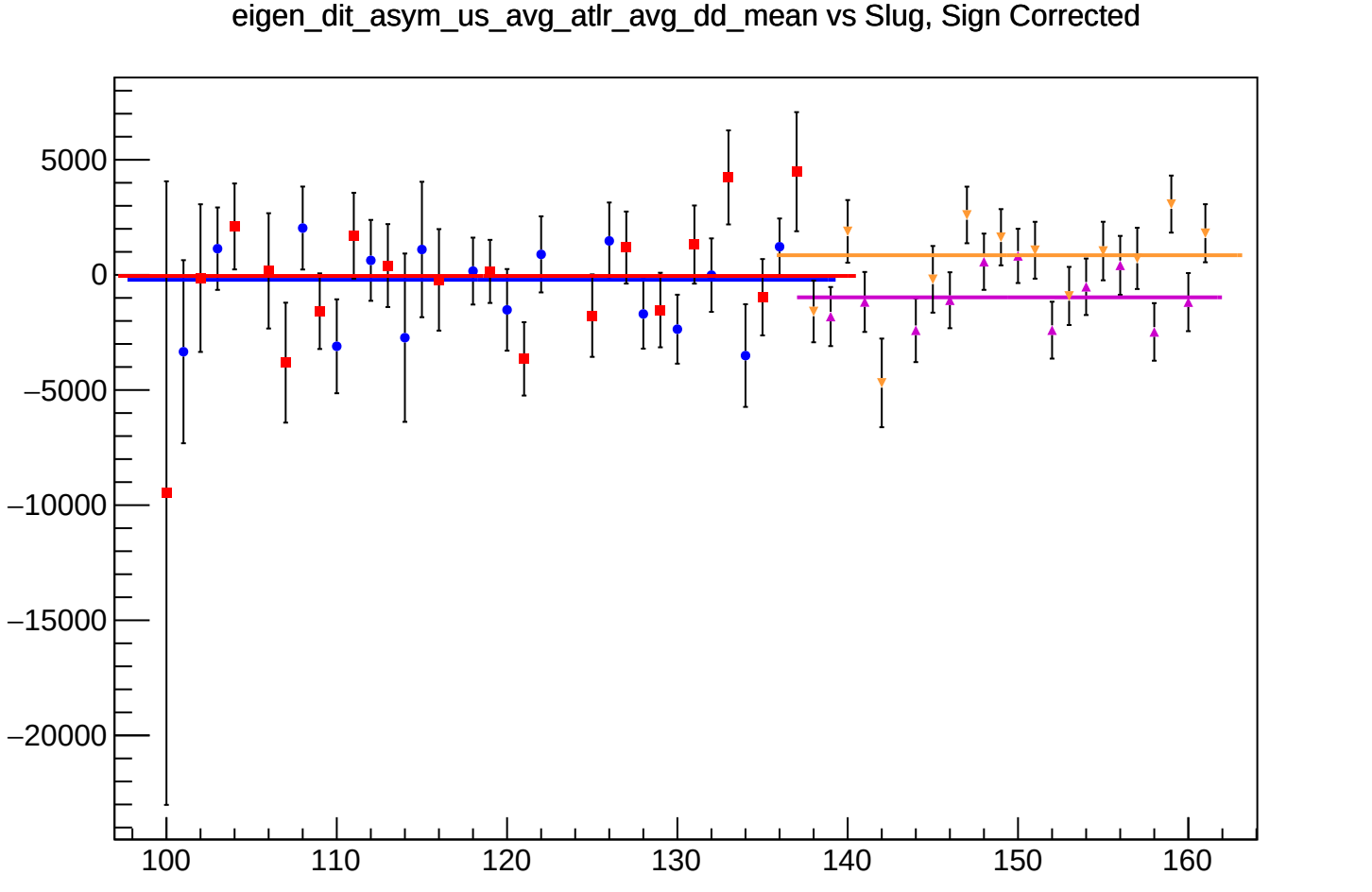
Left: 3581.095+/-0.590 χ^2/NDF: 1039200.8/22

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2657.021+/-0.496 χ^2/NDF:4389175.5/26

Out: 1619.390+/-0.361 χ^2/NDF:13109678.1/29

All: 1978.096+/-0.292 χ^2/NDF: 20356637.3/5



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 853.353+/-379.926 χ^2/NDF:21.0/11

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -974.662+/-378.297 χ^2/NDF:9.6/10

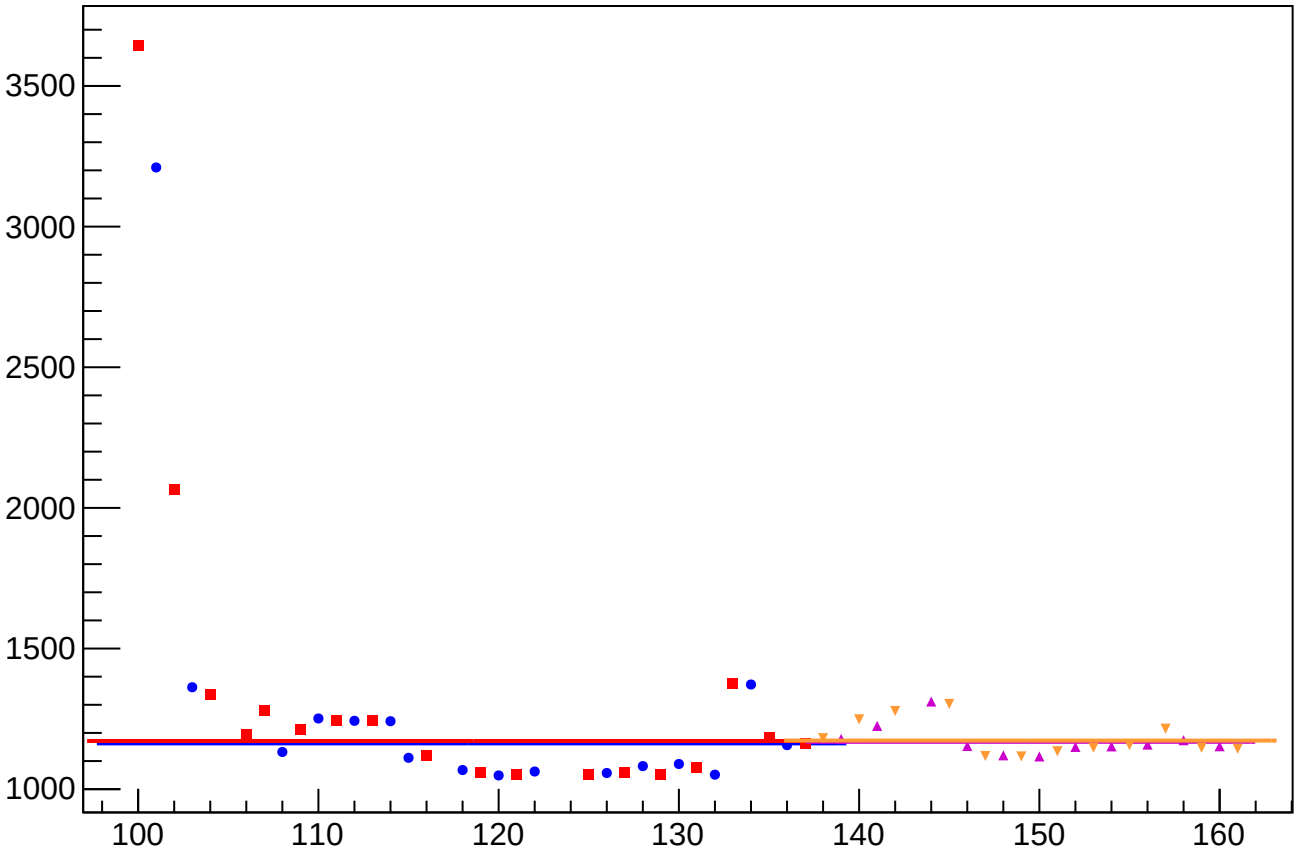
Left: -64.584+/-268.071 χ^2/NDF: 42.2/22

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -653.236+/-287.592 χ^2/NDF:25.6/26

Out: 476.557+/-289.548 χ^2/NDF:45.0/29

All: -92.168+/-204.046 χ^2/NDF: 78.3/56



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1172.835+/-0.269 χ^2/NDF:43651.5/11

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1168.410+/-0.267 χ^2/NDF:33922.1/10

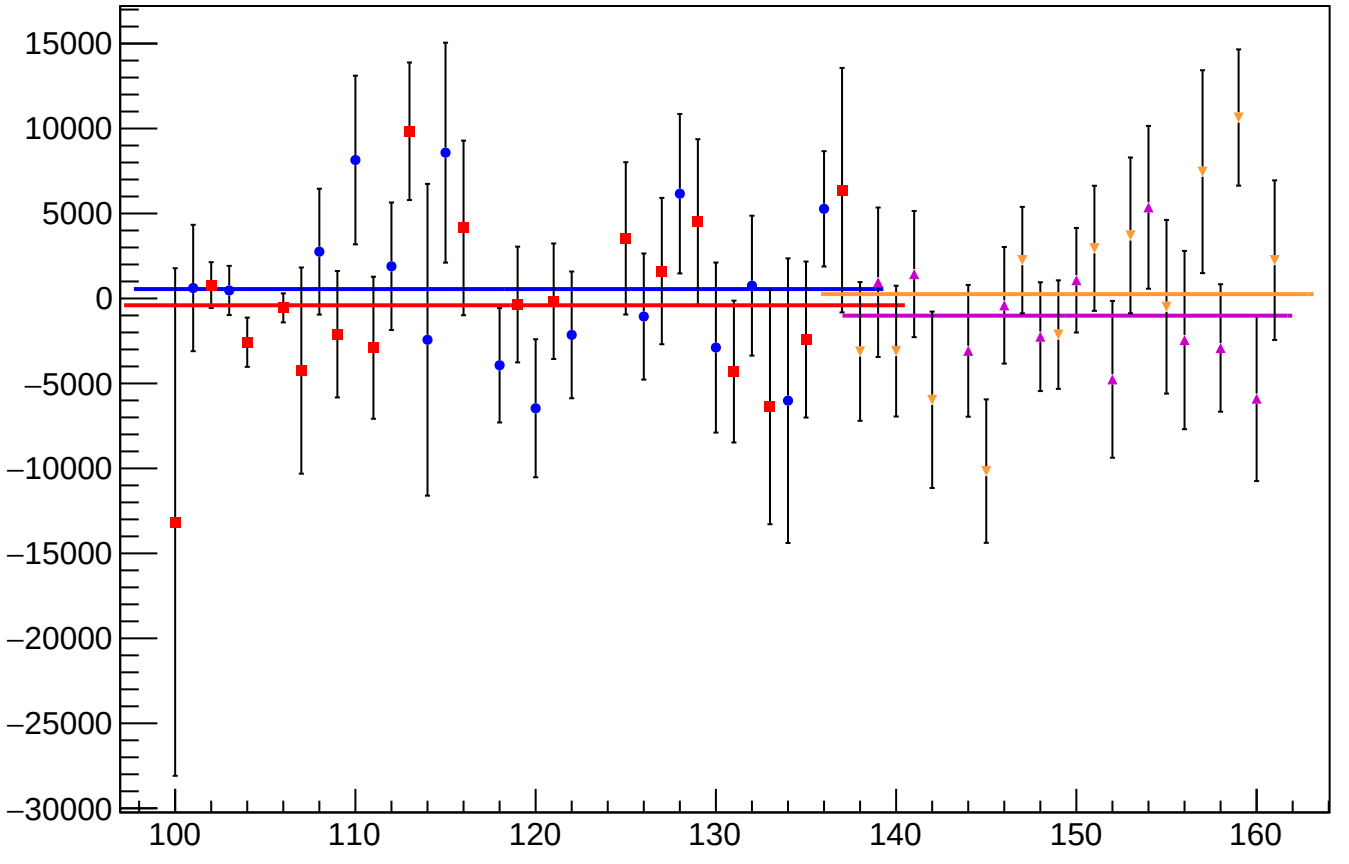
Left: 1170.613+/-0.190 χ^2/NDF: 77709.9/22

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1166.064+/-0.203 χ^2/NDF:669457.9/26

Out: 1172.242+/-0.205 χ^2/NDF:375303.6/29

All: 1169.132+/-0.144 χ^2/NDF: 1045219.9/56



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 255.889+/-1181.762 χ^2/NDF:19.4/11

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -1011.992+/-1178.856 χ^2/NDF:5.3/10

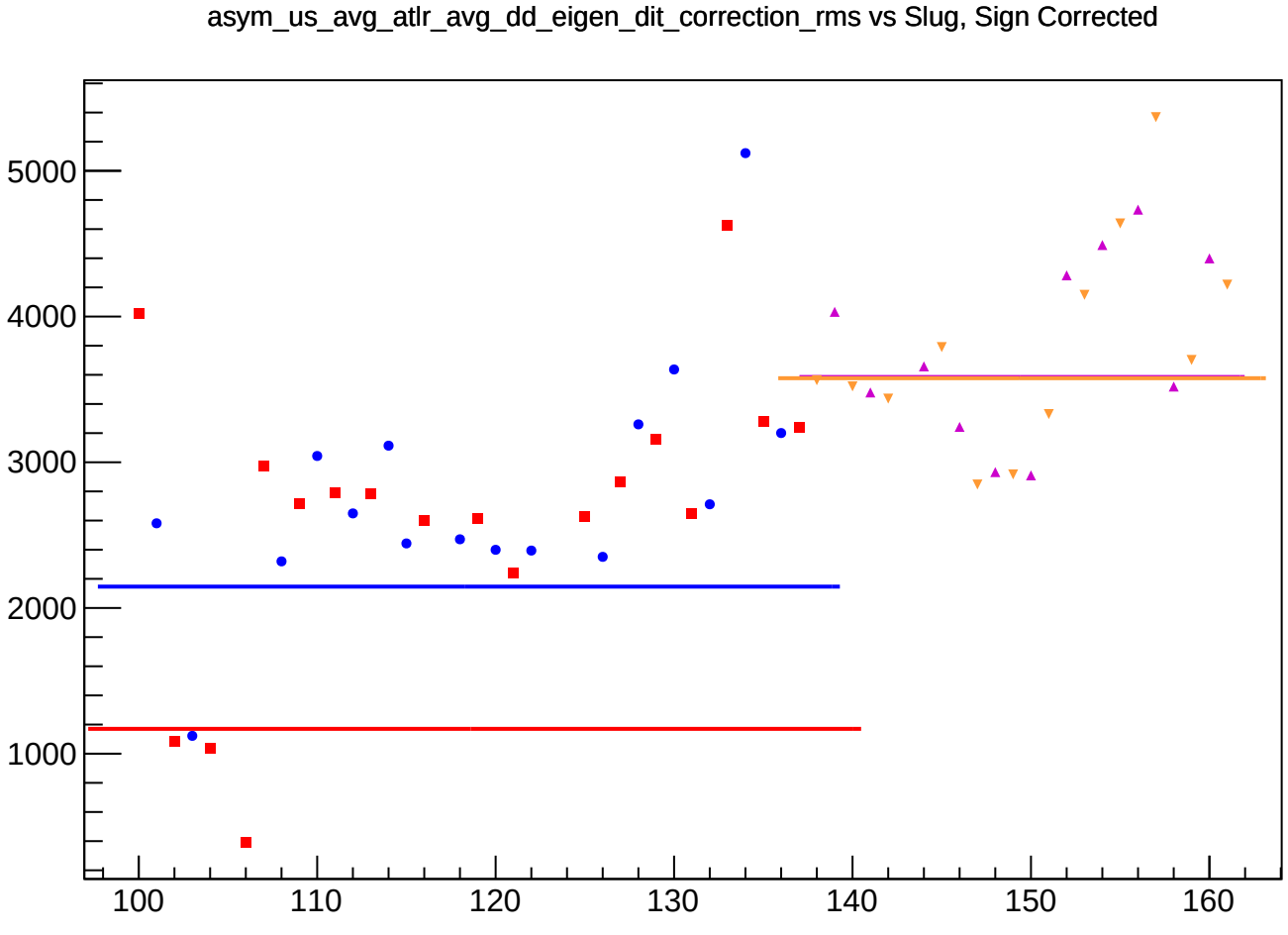
Left: -379.613+/-834.603 χ^2/NDF: 25.3/22

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -2.524+/-702.154 χ^2/NDF:20.9/26

Out: -278.019+/-510.372 χ^2/NDF:36.3/29

All: -182.783+/-412.836 χ^2/NDF: 57.3/56



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3576.858+/-0.836 χ^2/NDF:546749.7/11

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3585.319+/-0.834 χ^2/NDF:492400.0/10

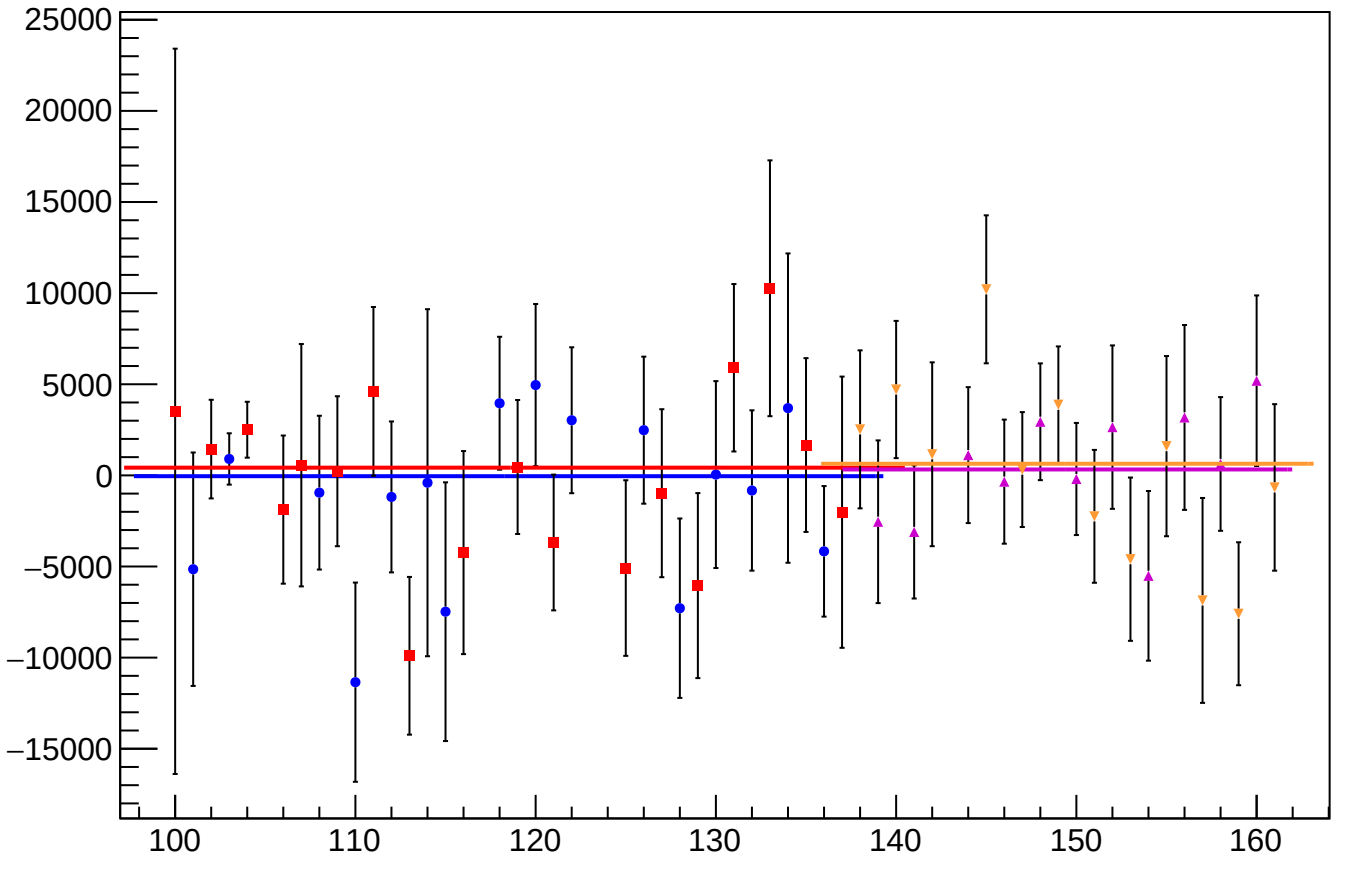
Left: 3581.099+/-0.590 χ^2/NDF: 1039201.0/22

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2657.019+/-0.496 χ^2/NDF:4389188.8/26

Out: 1619.363+/-0.361 χ^2/NDF:13109974.1/29

All: 1978.073+/-0.292 χ^2/NDF: 20357107.2/5



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 638.260+/-1168.383 χ^2/NDF:16.3/11

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 324.197+/-1161.660 χ^2/NDF:5.3/10

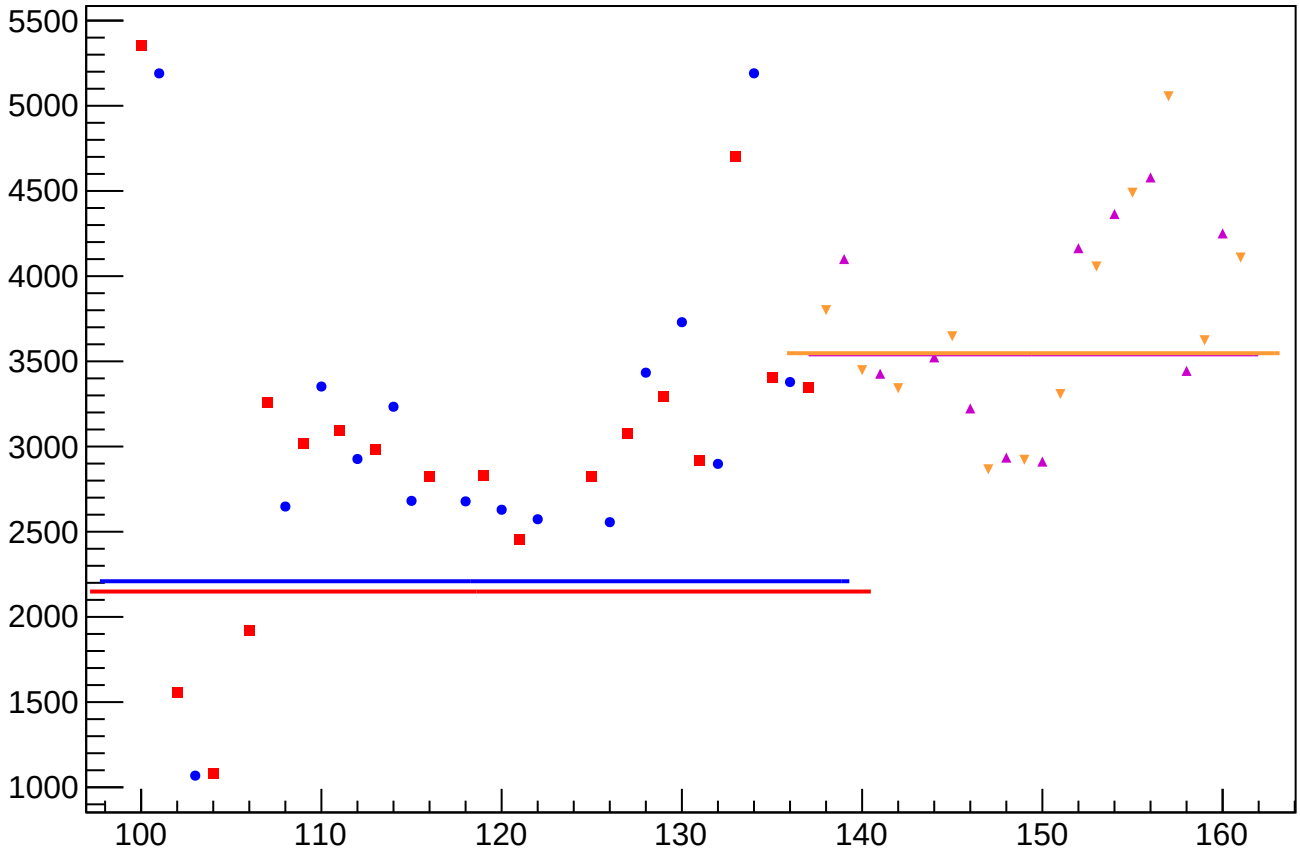
Left: 480.322+/-823.784 χ^2/NDF: 21.6/22

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 97.525+/-721.570 χ^2/NDF:19.1/26

Out: 503.096+/-711.368 χ^2/NDF:33.6/29

All: 303.198+/-506.582 χ^2/NDF: 52.9/56



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3547.750+/-0.826 χ^2/NDF:464597.0/11

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3540.942+/-0.821 χ^2/NDF:438555.8/10

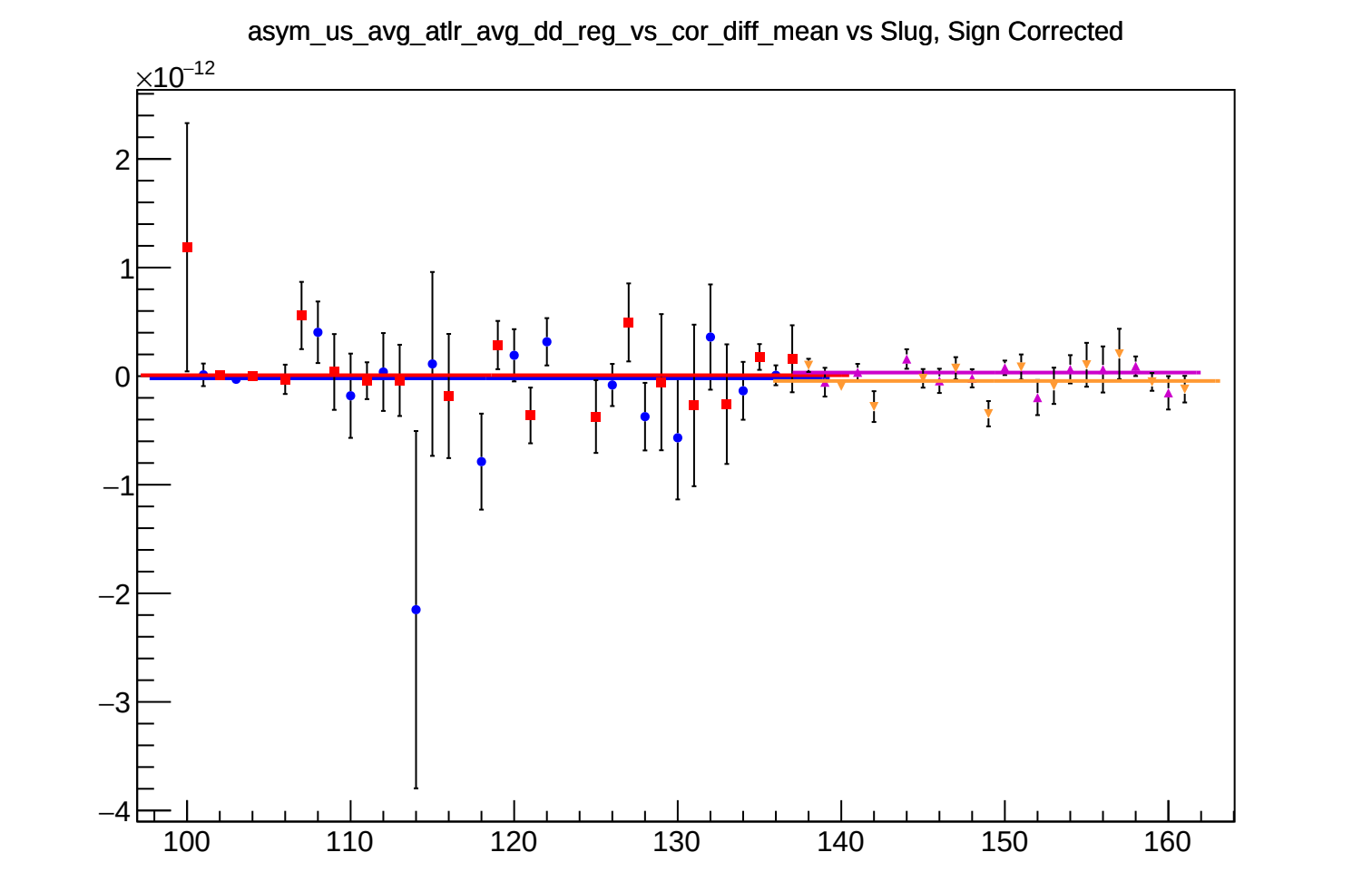
Left: 3544.327+/-0.583 χ^2/NDF: 903187.0/22

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2723.119+/-0.510 χ^2/NDF:4889429.1/26

Out: 2665.917+/-0.502 χ^2/NDF:4541442.3/29

All: 2694.068+/-0.358 χ^2/NDF: 9437254.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/10

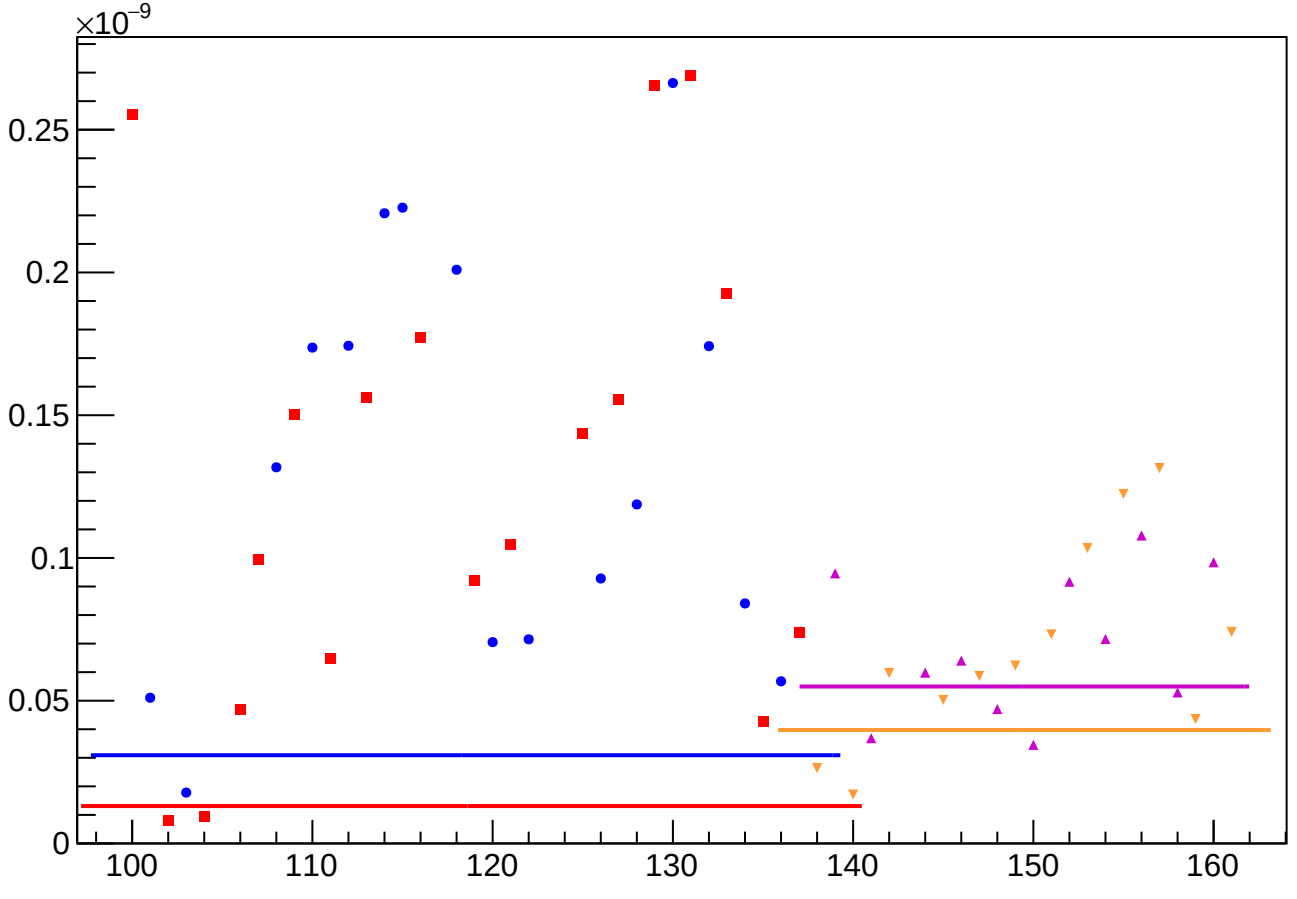
Left: -0.000+/-0.000 χ^2/NDF: 32.9/22

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:23.2/26

Out: -0.000+/-0.000 χ^2/NDF:38.6/29

All: -0.000+/-0.000 χ^2/NDF: 61.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2190312.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:934752.0/10

Left: 0.000+/-0.000 χ^2/NDF: 3423383.1/22

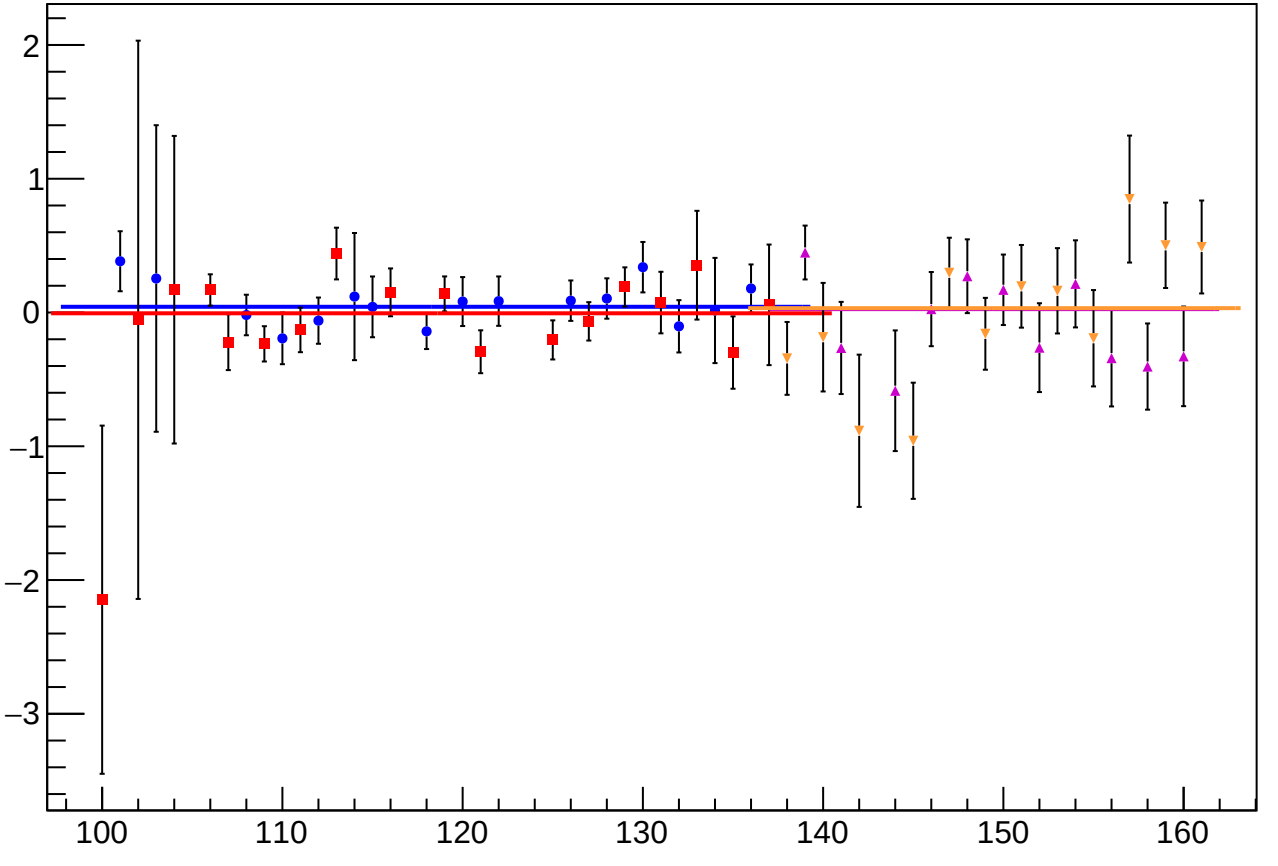
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4668758.1/26

Out: 0.000+/-0.000 χ^2/NDF:7524907.3/29

All: 0.000+/-0.000 χ^2/NDF: 13773601.5/56

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.033+/-0.097 χ^2/NDF:19.2/11

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.091 χ^2/NDF:12.8/10

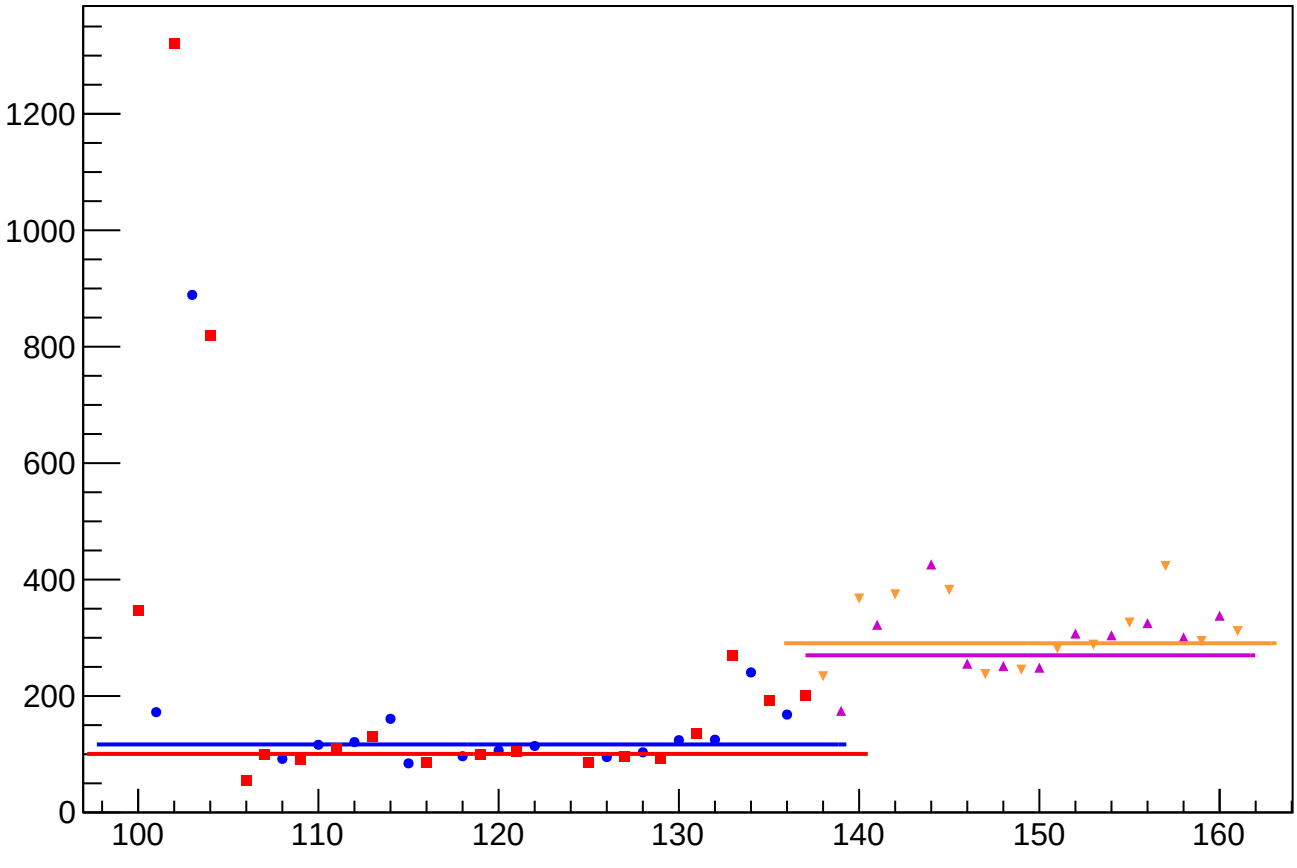
Left: 0.029+/-0.066 χ^2/NDF: 32.1/22

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: 0.001+/-0.040 χ^2/NDF:45.4/29

All: 0.019+/-0.029 χ^2/NDF: 69.0/56



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 290.643+/-0.068 χ^2/NDF:614788.2/11

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

Left: 279.608+/-0.047 χ^2/NDF: 1605272.3/22

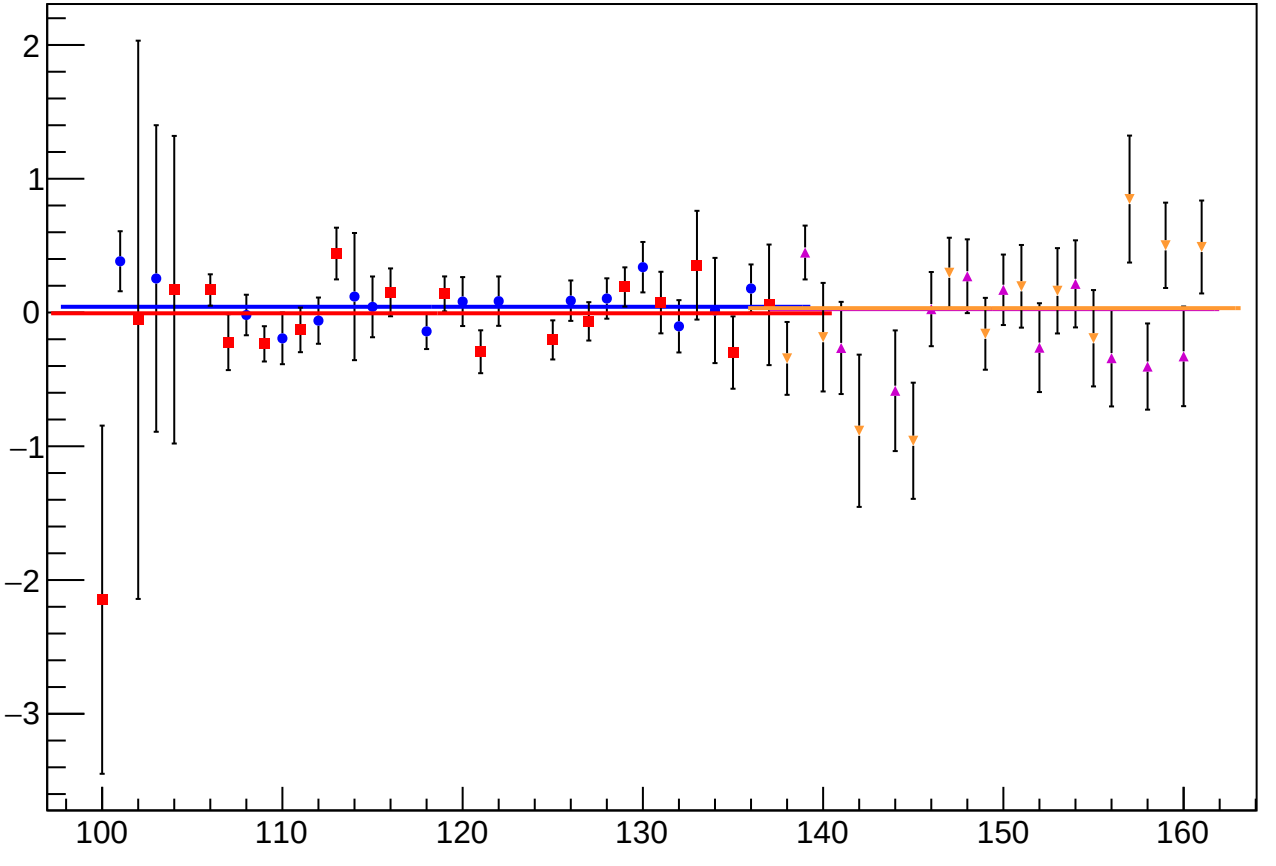
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 149.756+/-0.030 χ^2/NDF:7034704.9/26

Out: 132.386+/-0.028 χ^2/NDF:9712051.9/29

All: 140.546+/-0.020 χ^2/NDF: 16927676.6/56

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.033+/-0.097 χ^2/NDF:19.2/11

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.029+/-0.066 χ^2/NDF: 32.1/22

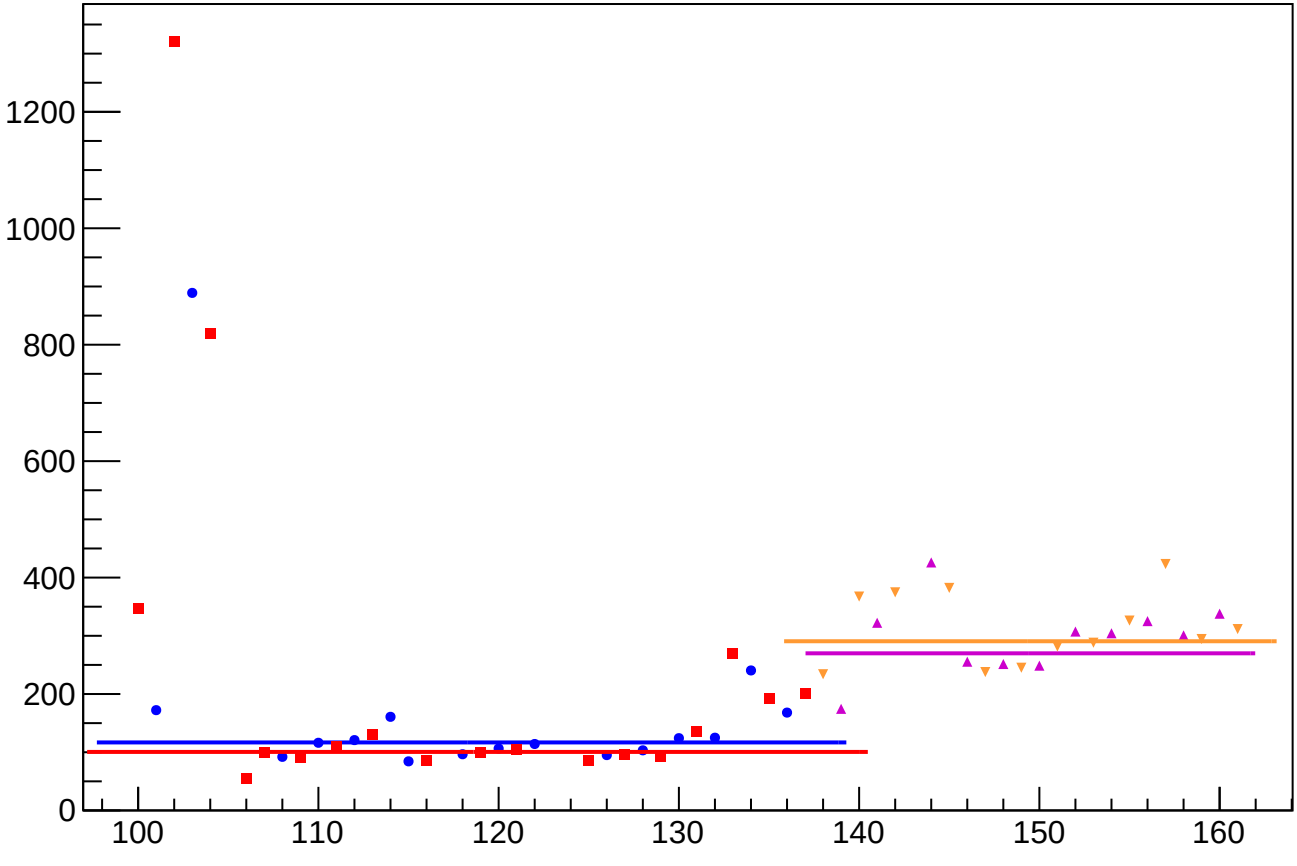
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: 0.001+/-0.040 χ^2/NDF:45.4/29

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

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: 290.643+/-0.068 χ^2/NDF:614788.2/11

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

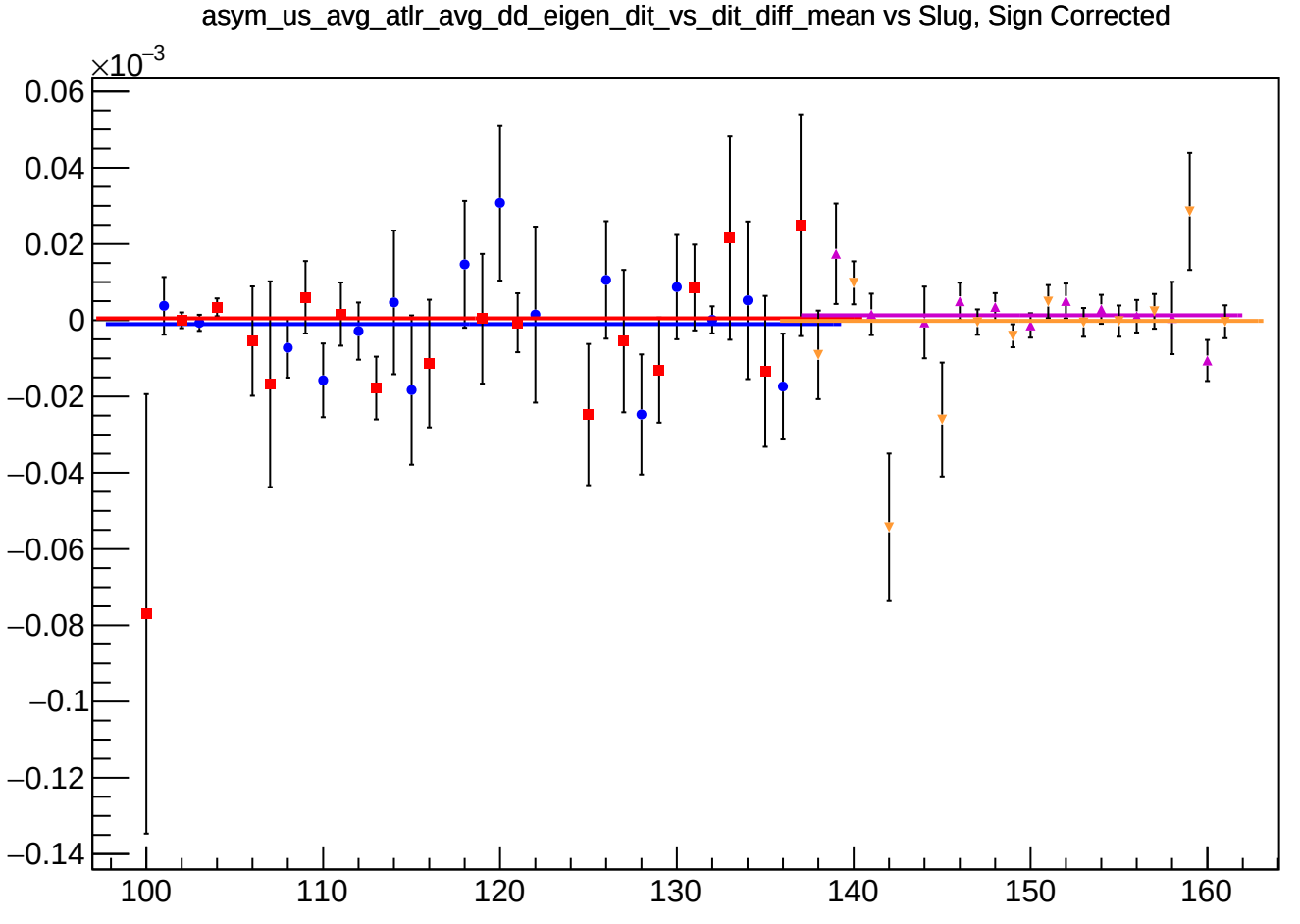
Left: 279.608+/-0.047 χ^2/NDF: 1605272.3/22

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 149.756+/-0.030 χ^2/NDF:7034704.9/26

Out: 132.386+/-0.028 χ^2/NDF:9712051.9/29

All: 140.546+/-0.020 χ^2/NDF: 16927676.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/10

Left: 0.000+/-0.000 χ^2/NDF: 30.8/22

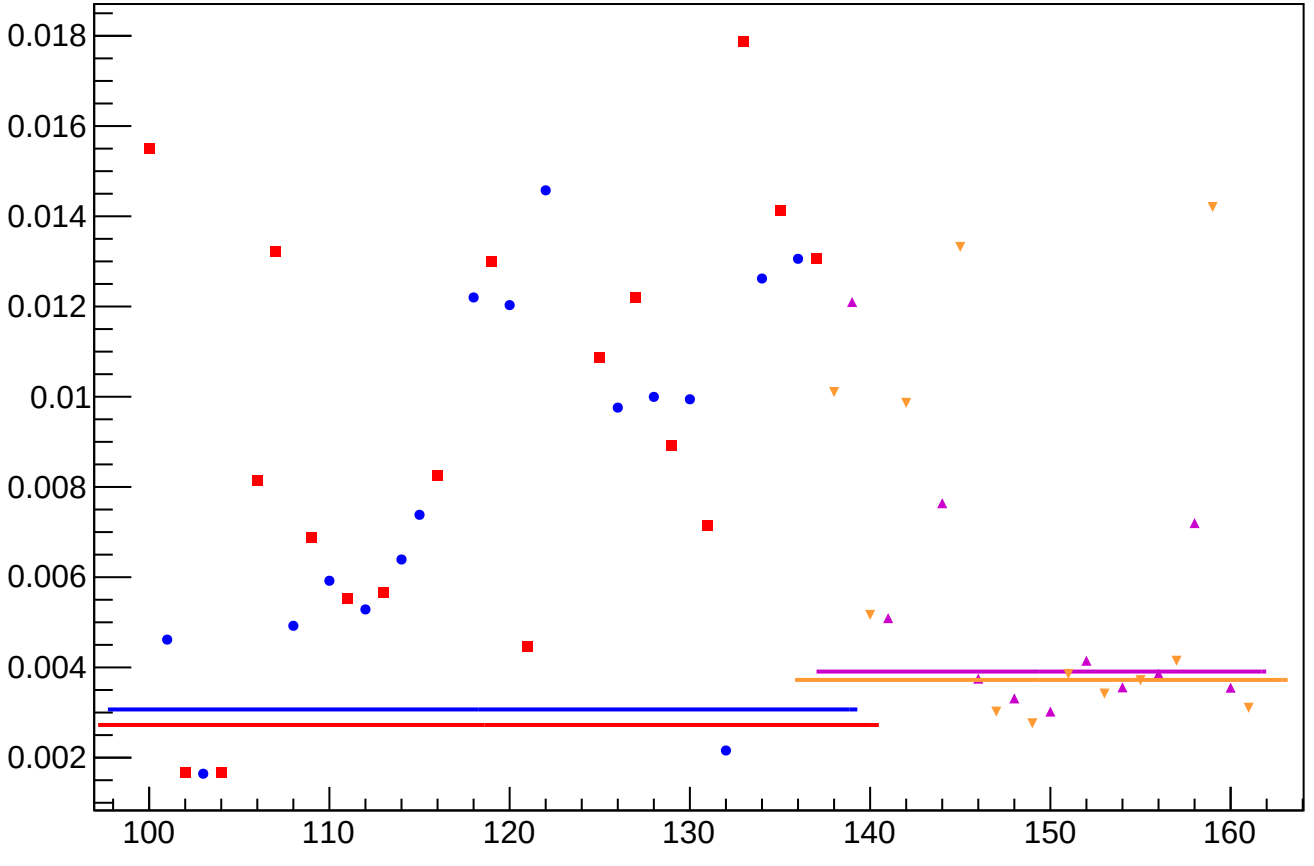
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:22.6/26

Out: 0.000+/-0.000 χ^2/NDF:36.6/29

All: 0.000+/-0.000 χ^2/NDF: 59.2/56

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:3058700.2/11

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1667549.1/10

Left: 0.004+/-0.000 χ^2/NDF: 4743701.9/22

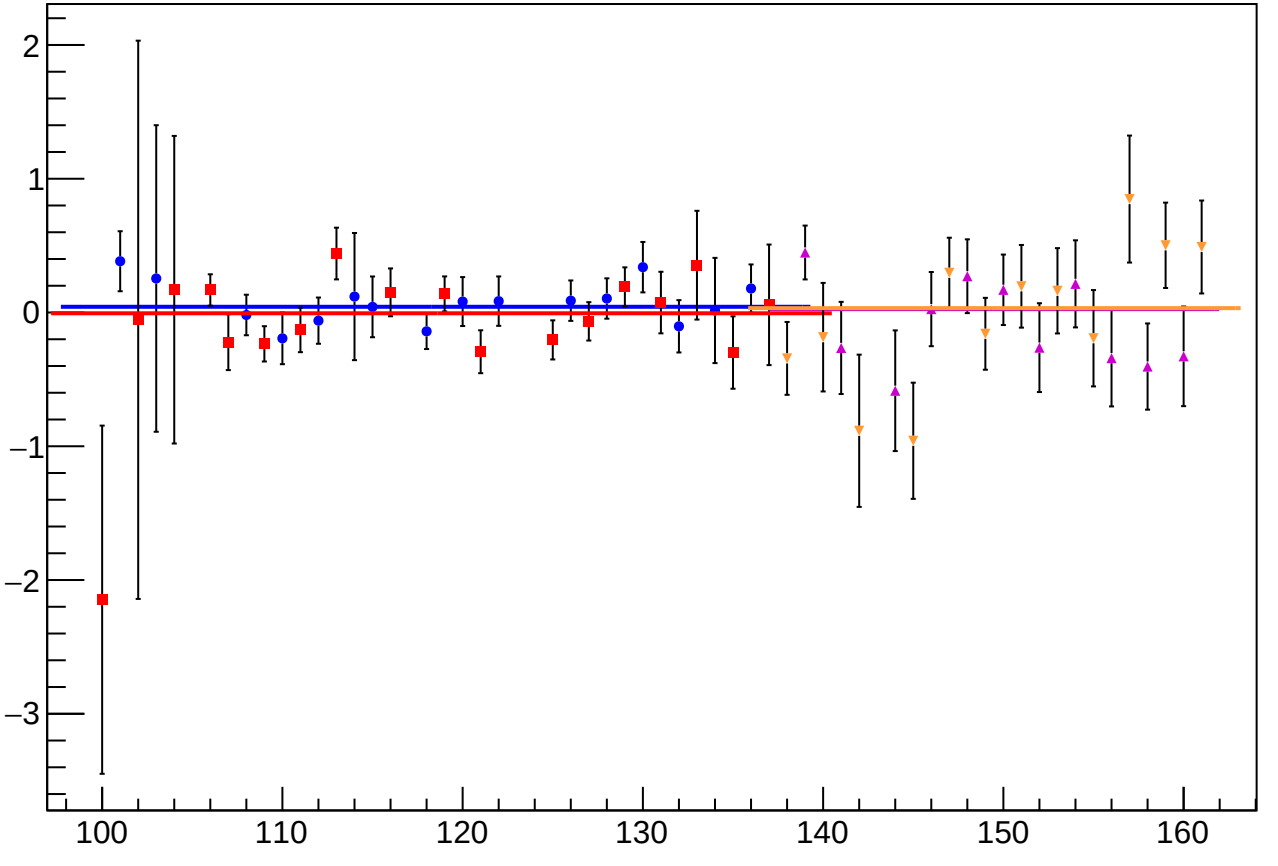
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:7941154.5/26

Out: 0.003+/-0.000 χ^2/NDF:10295270.0/29

All: 0.003+/-0.000 χ^2/NDF: 18319449.8/56

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: 0.033+/-0.097 χ^2/NDF:19.2/11

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.029+/-0.066 χ^2/NDF: 32.1/22

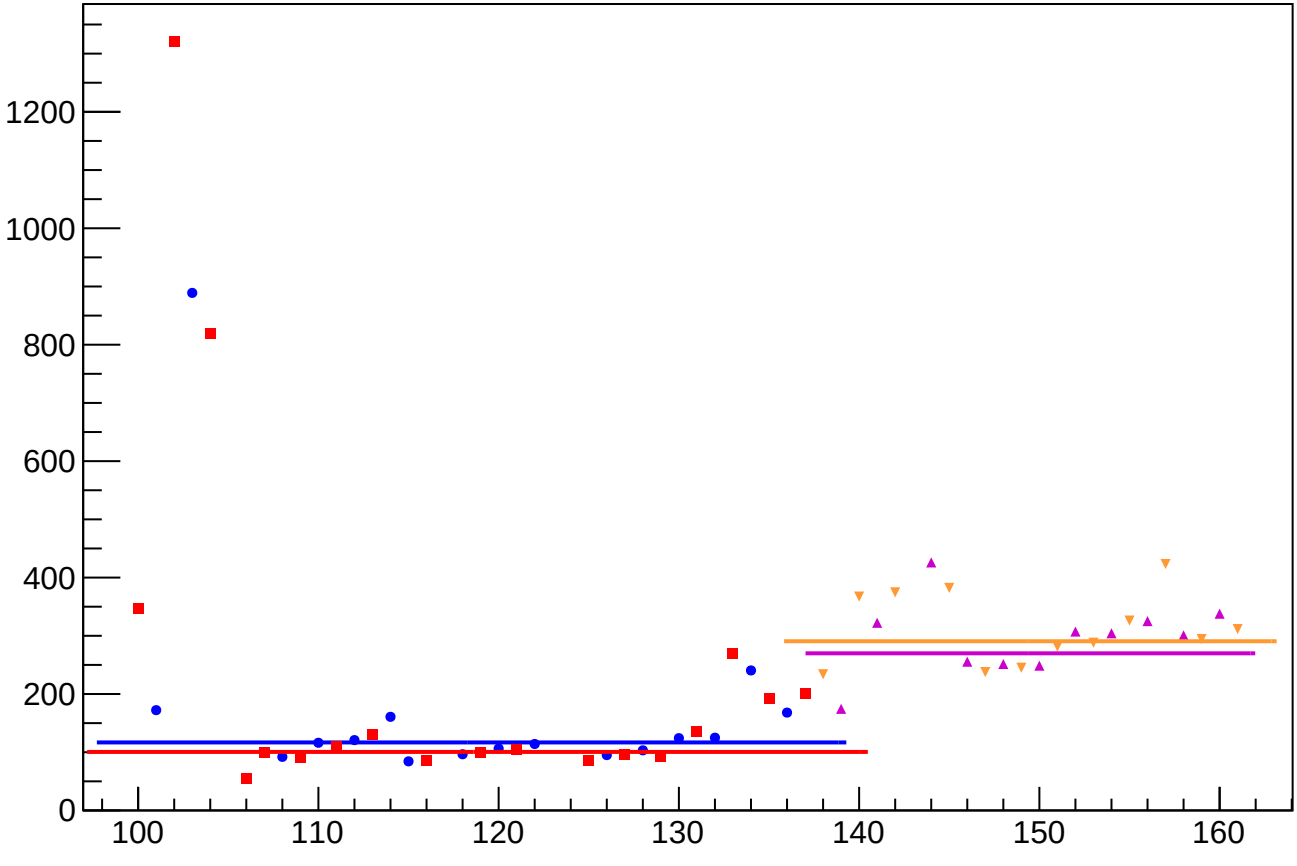
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: 0.001+/-0.040 χ^2/NDF:45.4/29

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

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: 290.646+/-0.068 χ^2/NDF:614789.6/11

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

Left: 279.611+/-0.047 χ^2/NDF: 1605224.8/22

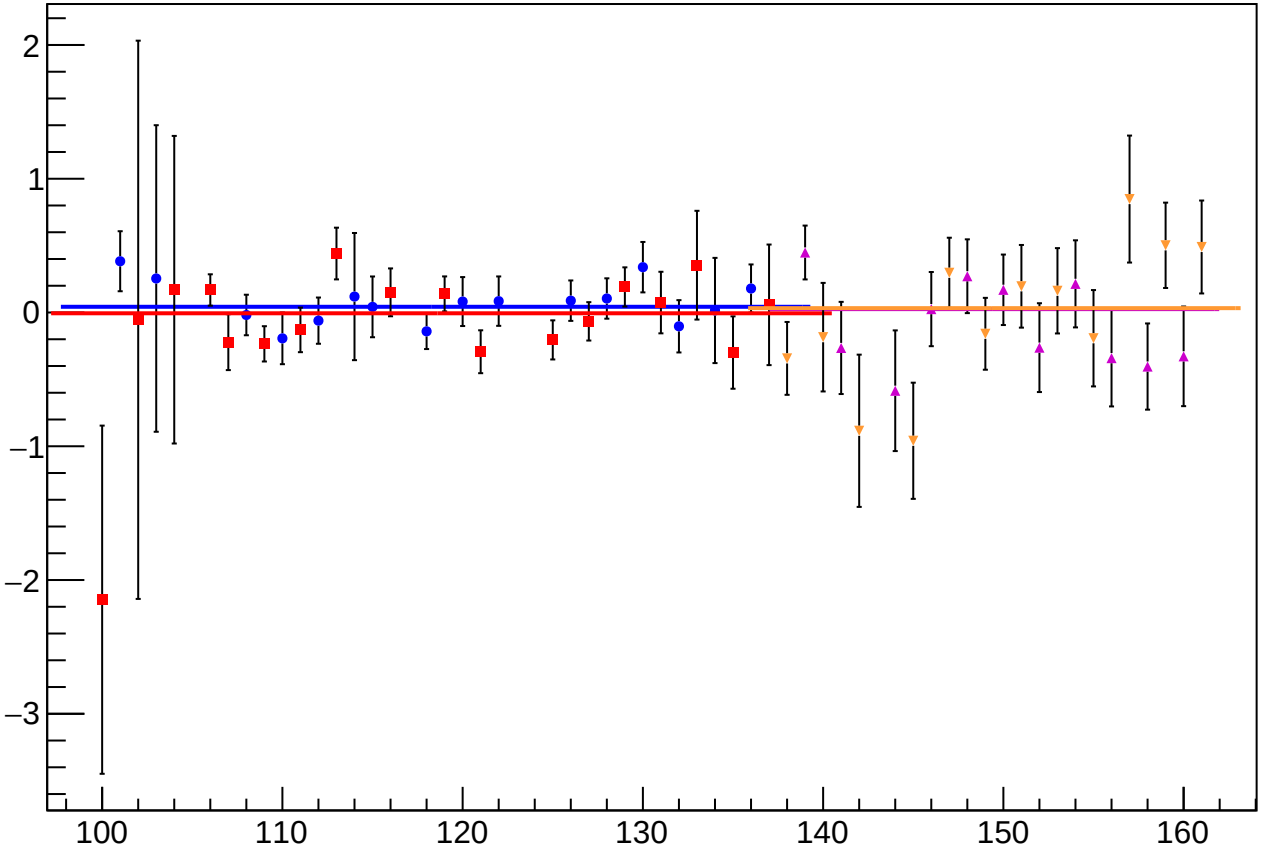
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 149.756+/-0.030 χ^2/NDF:7034791.8/26

Out: 132.385+/-0.028 χ^2/NDF:9712294.6/29

All: 140.545+/-0.020 χ^2/NDF: 16928030.9/56

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: 0.033+/-0.097 χ^2/NDF:19.2/11

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.025+/-0.091 χ^2/NDF:12.8/10

Left: 0.029+/-0.066 χ^2/NDF: 32.1/22

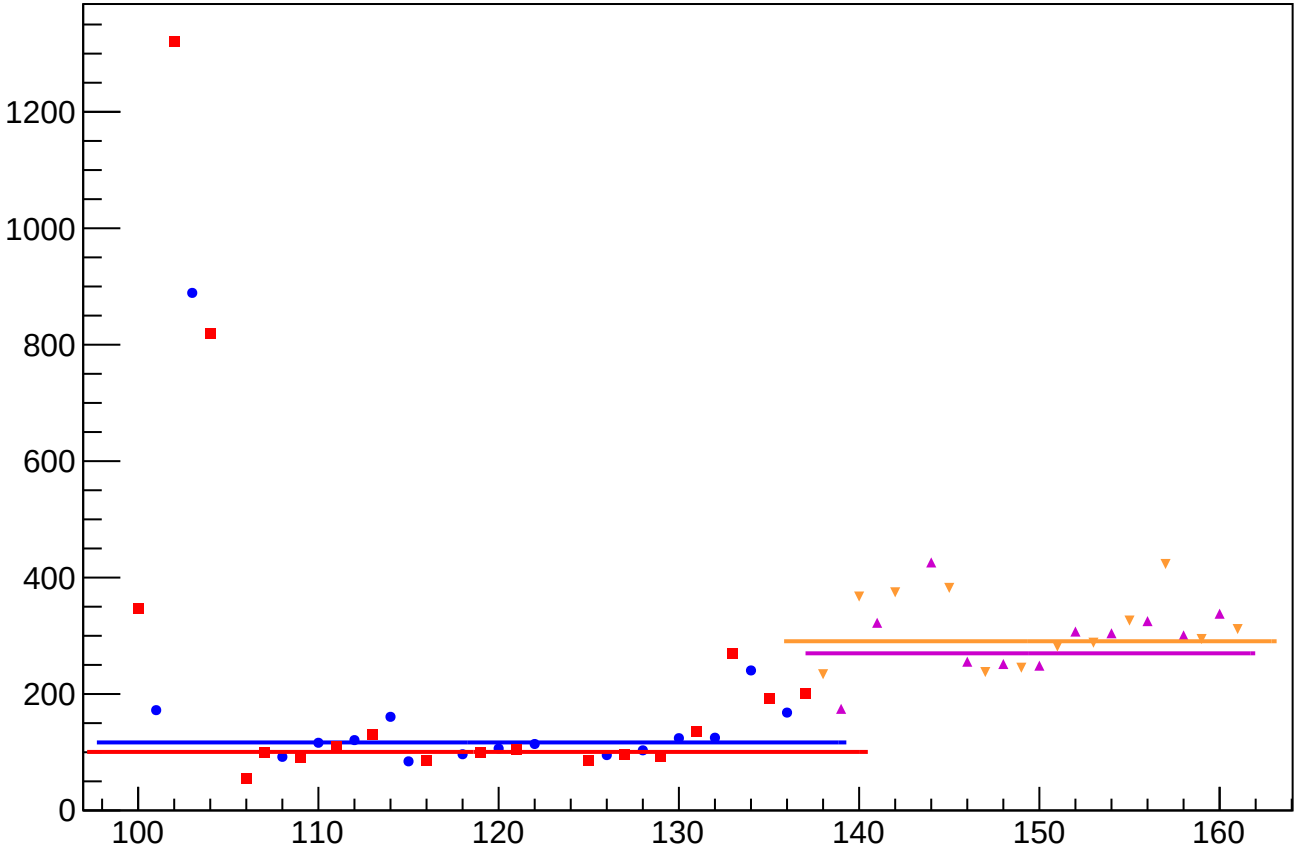
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.039+/-0.042 χ^2/NDF:23.1/26

Out: 0.001+/-0.040 χ^2/NDF:45.4/29

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

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: 290.646+/-0.068 χ^2/NDF:614789.6/11

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

Left: 279.611+/-0.047 χ^2/NDF: 1605224.8/22

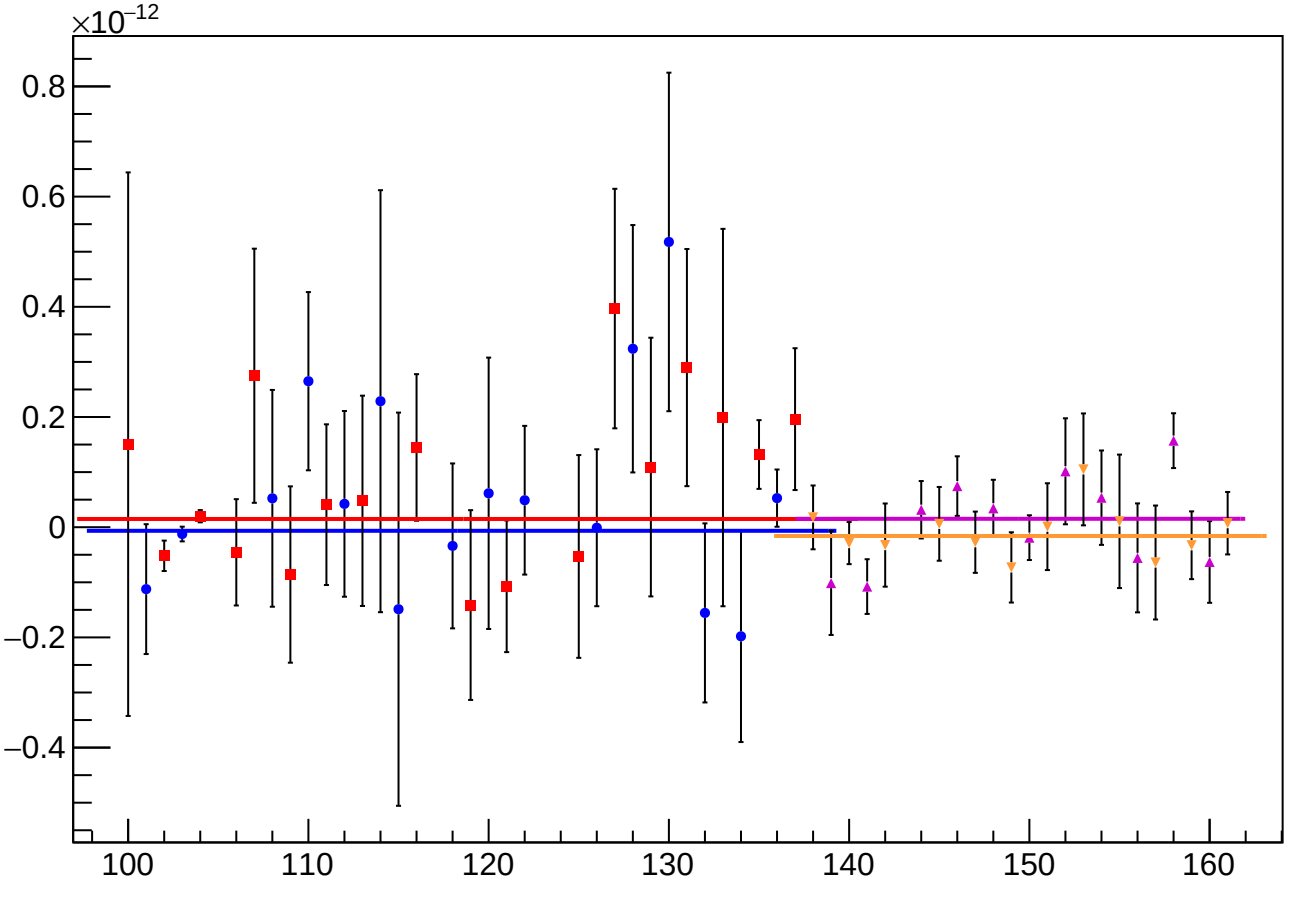
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 149.756+/-0.030 χ^2/NDF:7034791.8/26

Out: 132.385+/-0.028 χ^2/NDF:9712294.6/29

All: 140.545+/-0.020 χ^2/NDF: 16928030.9/56

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/10

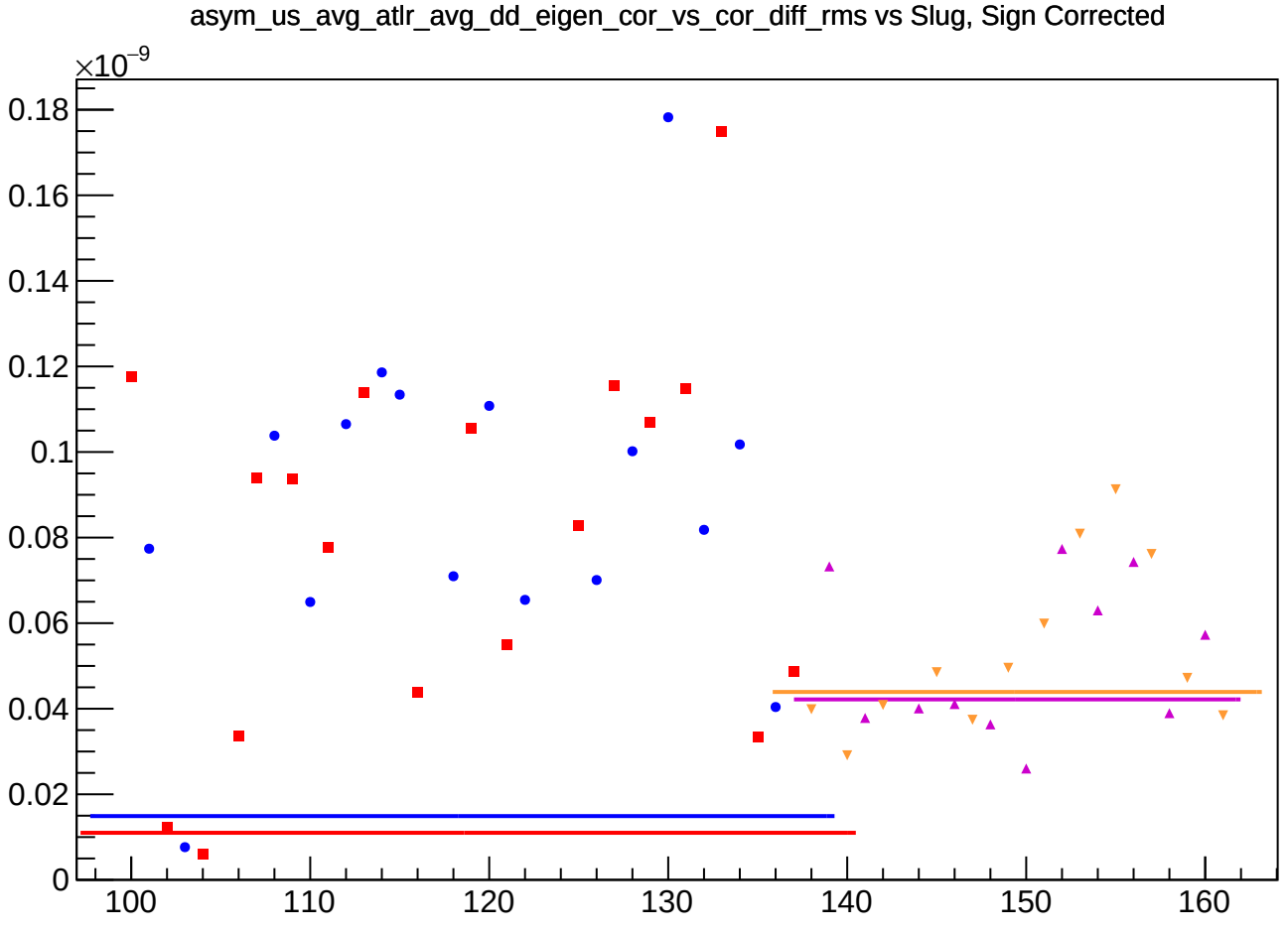
Left: 0.000+/-0.000 χ^2/NDF: 25.5/22

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:34.6/26

Out: 0.000+/-0.000 χ^2/NDF:27.5/29

All: 0.000+/-0.000 χ^2/NDF: 62.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1238063.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1267377.8/10

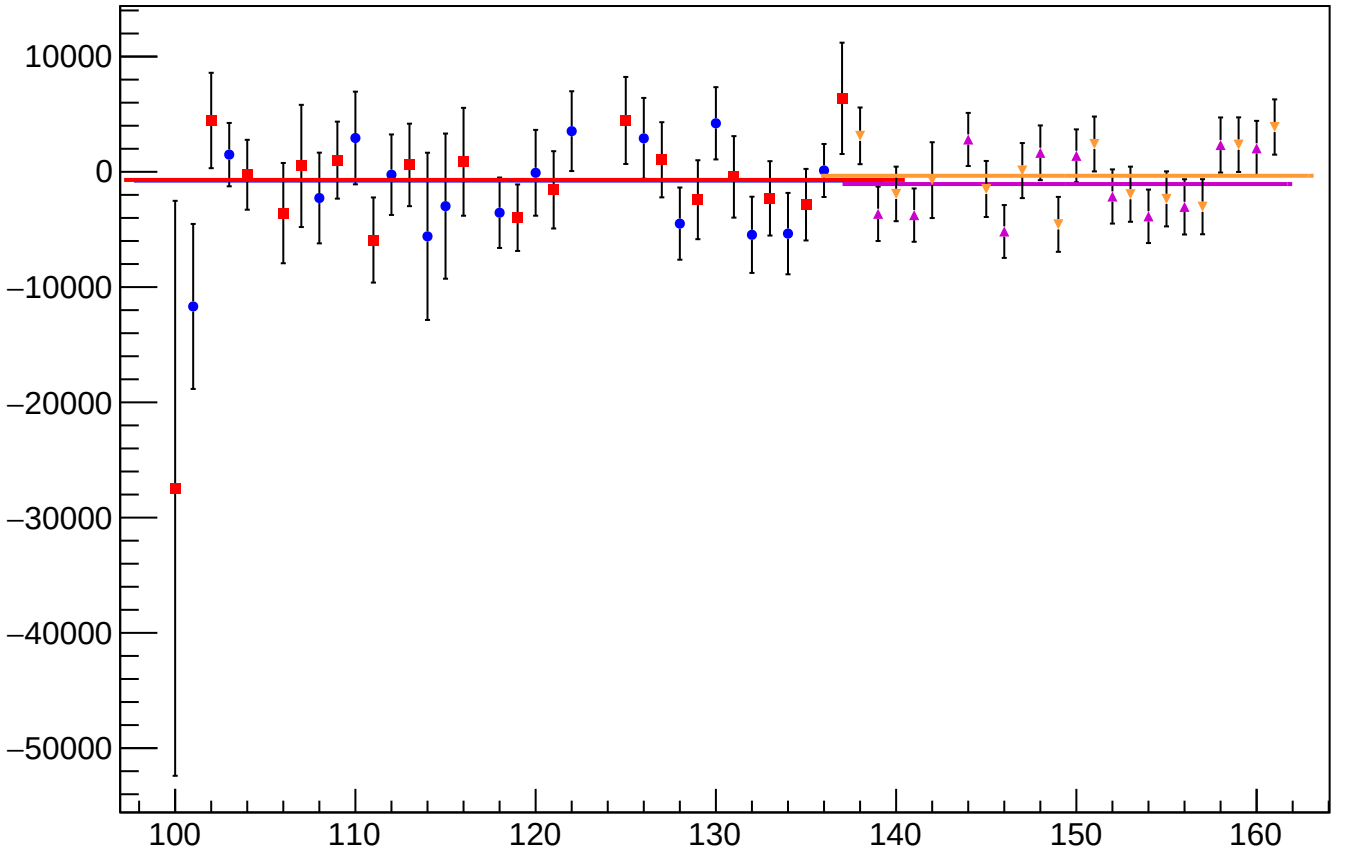
Left: 0.000+/-0.000 χ^2/NDF: 2514691.6/22

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10299545.8/26

Out: 0.000+/-0.000 χ^2/NDF:12064532.3/29

All: 0.000+/-0.000 χ^2/NDF: 22699488.2/56



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -341.435+/-705.136 χ^2/NDF:14.0/11

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1059.575+/-706.339 χ^2/NDF:17.1/10

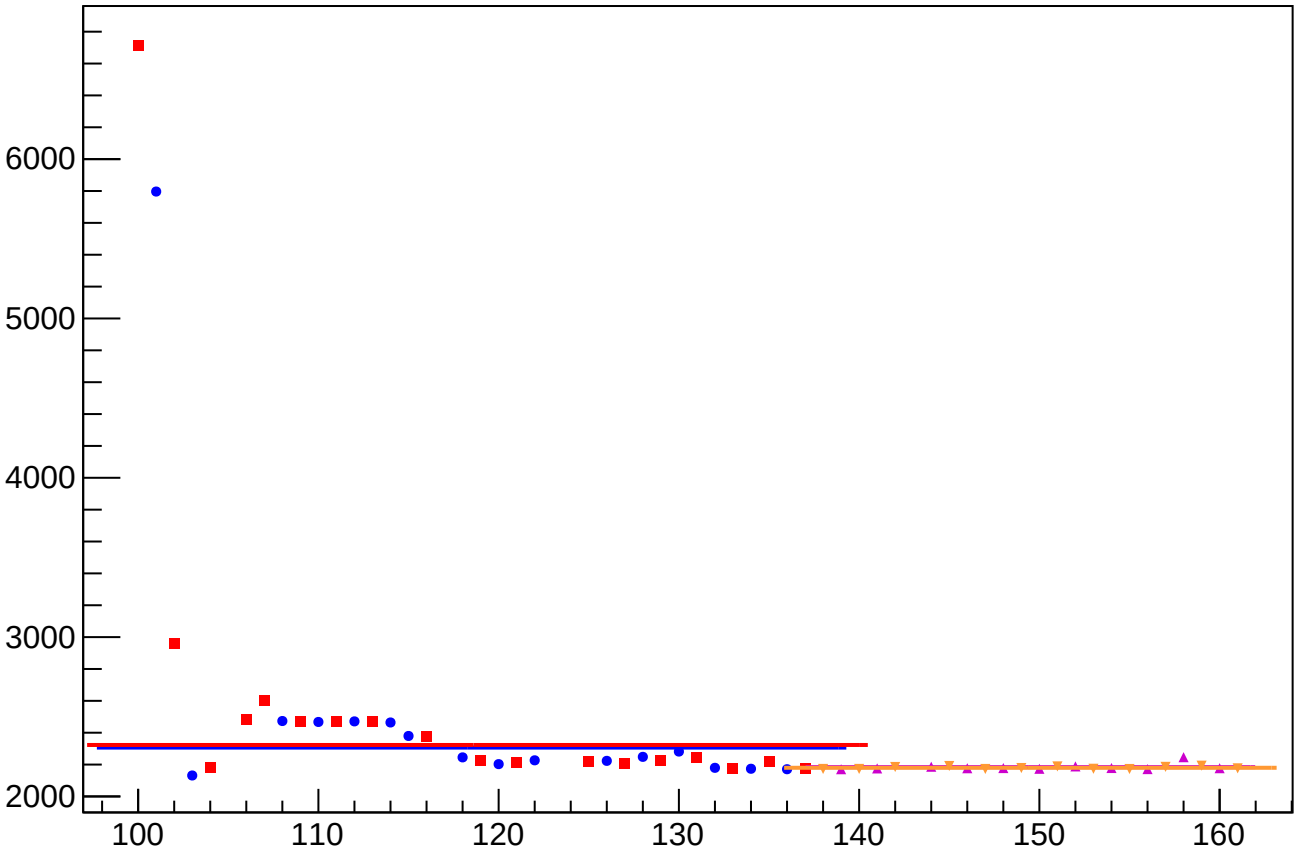
Left: -699.892+/-499.031 χ^2/NDF: 31.6/22

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -938.735+/-549.027 χ^2/NDF:33.0/26

Out: -484.734+/-547.463 χ^2/NDF:26.5/29

All: -711.087+/-387.667 χ^2/NDF: 59.8/56



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2181.876+/-0.353 χ^2/NDF: 1877.5/22

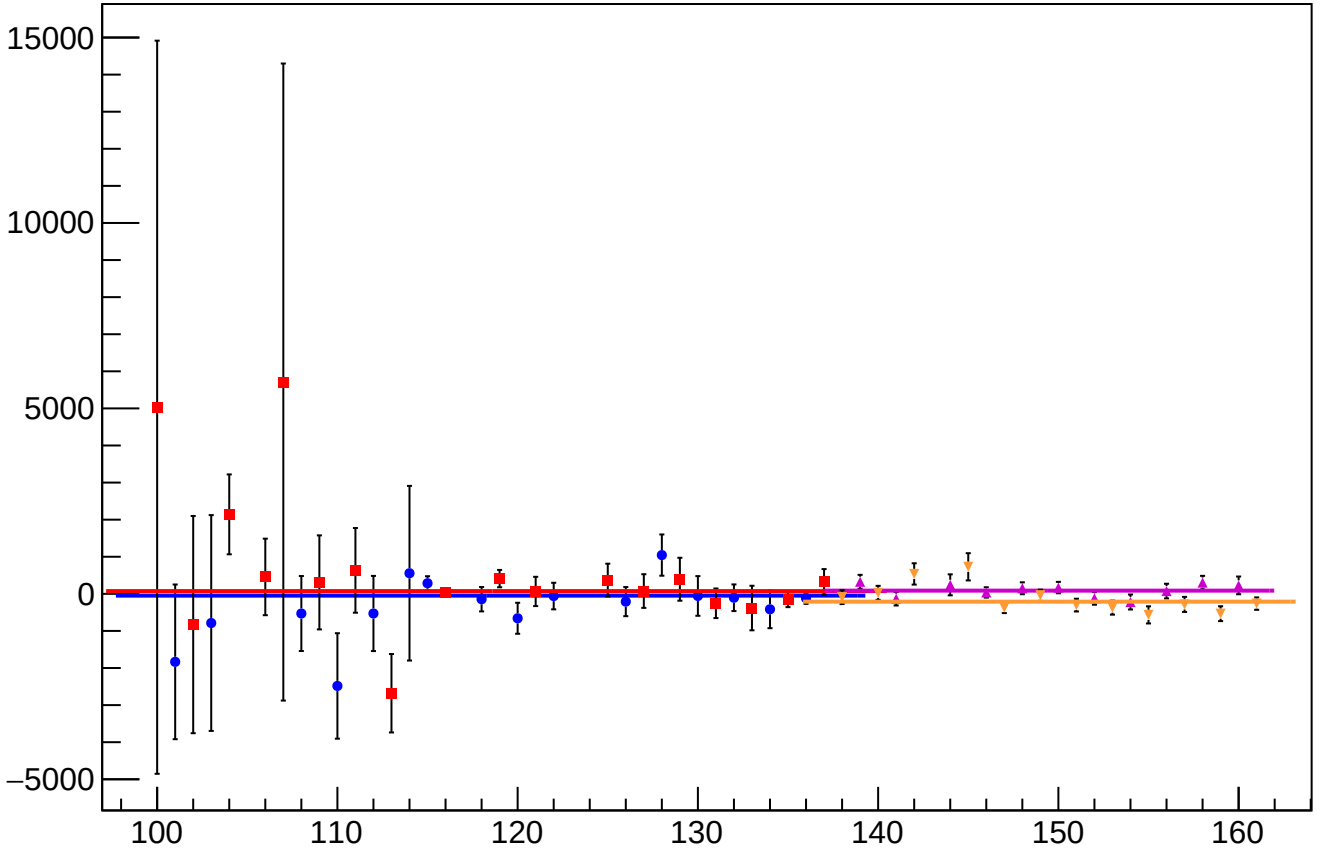
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2232.459+/-0.388 χ^2/NDF:539677.9/26

Out: 2236.748+/-0.387 χ^2/NDF:184749.7/29

All: 2234.609+/-0.274 χ^2/NDF: 724488.9/56

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -210.561+/-54.904 χ^2/NDF:24.1/11

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 86.386+/-54.647 χ^2/NDF:9.4/10

Left: -61.393+/-38.732 χ^2/NDF: 48.2/22

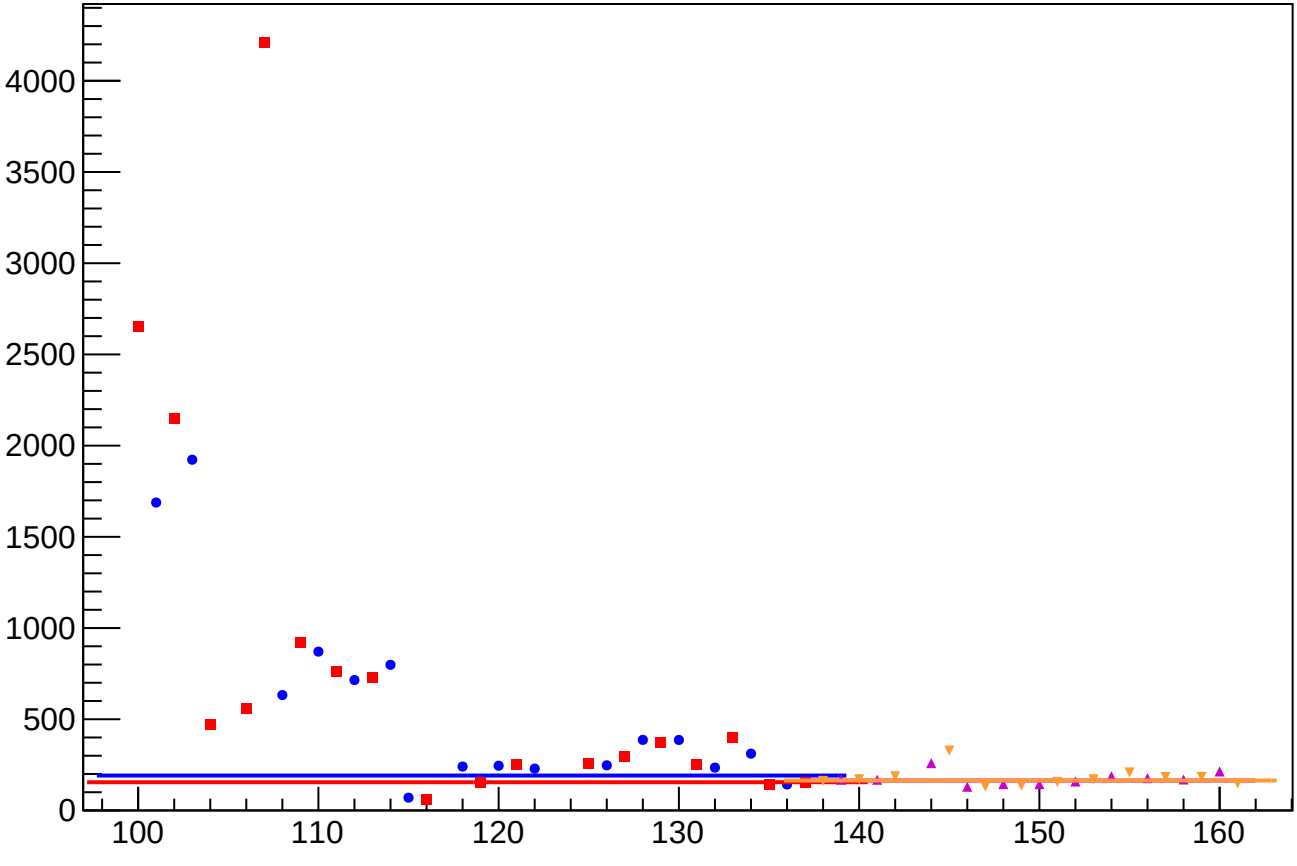
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 50.738+/-46.837 χ^2/NDF:25.4/26

Out: -122.984+/-45.687 χ^2/NDF:50.0/29

All: -38.281+/-32.705 χ^2/NDF: 82.5/56

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: 164.164+/-0.039 χ^2/NDF:716290.5/11

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 163.911+/-0.039 χ^2/NDF:538138.9/10

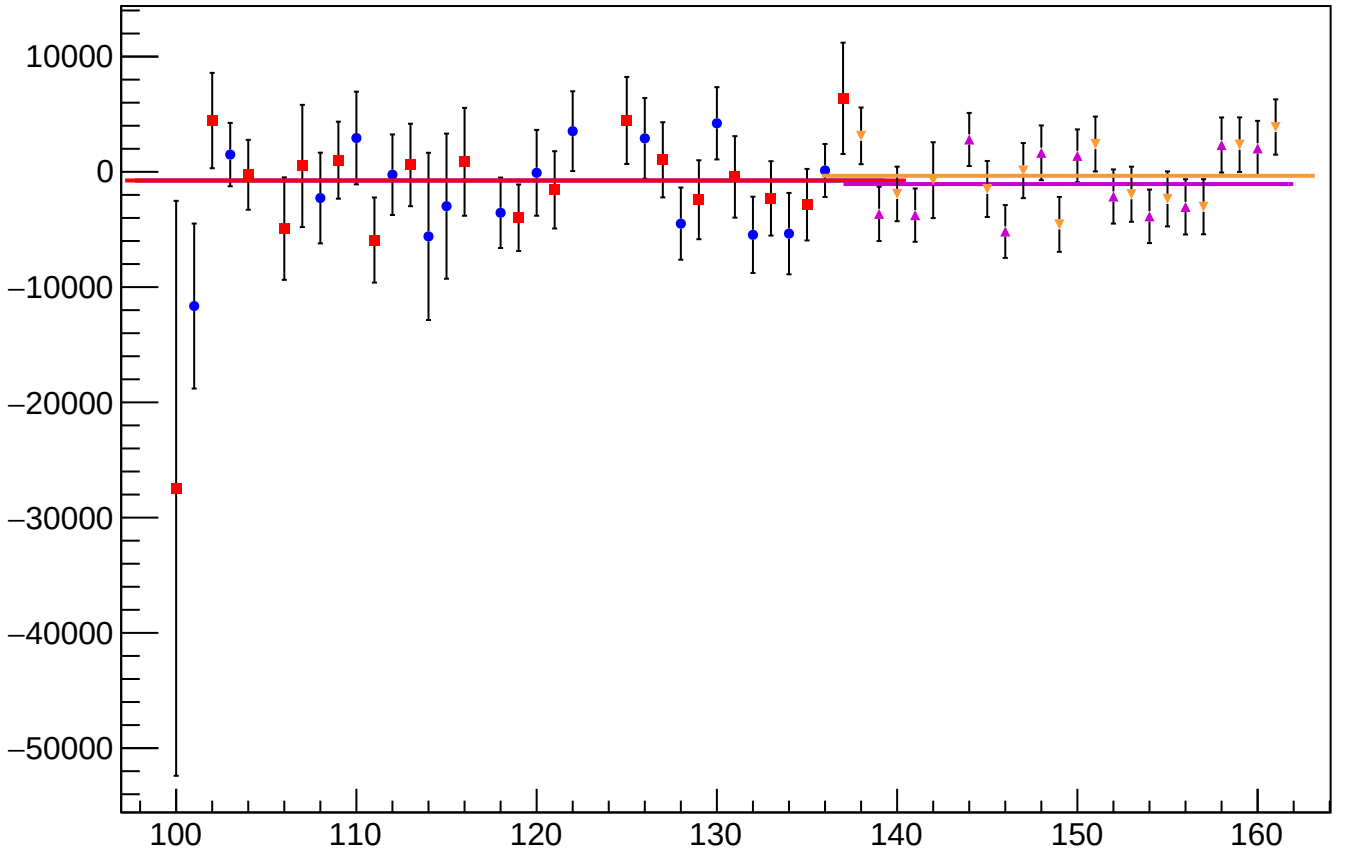
Left: 164.037+/-0.027 χ^2/NDF: 1254450.6/22

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 171.202+/-0.033 χ^2/NDF:5737011.4/26

Out: 161.246+/-0.032 χ^2/NDF:6888941.3/29

All: 166.100+/-0.023 χ^2/NDF: 12672259.7/56



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -341.419+/-705.136 χ^2/NDF:14.0/11

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1059.463+/-706.339 χ^2/NDF:17.1/10

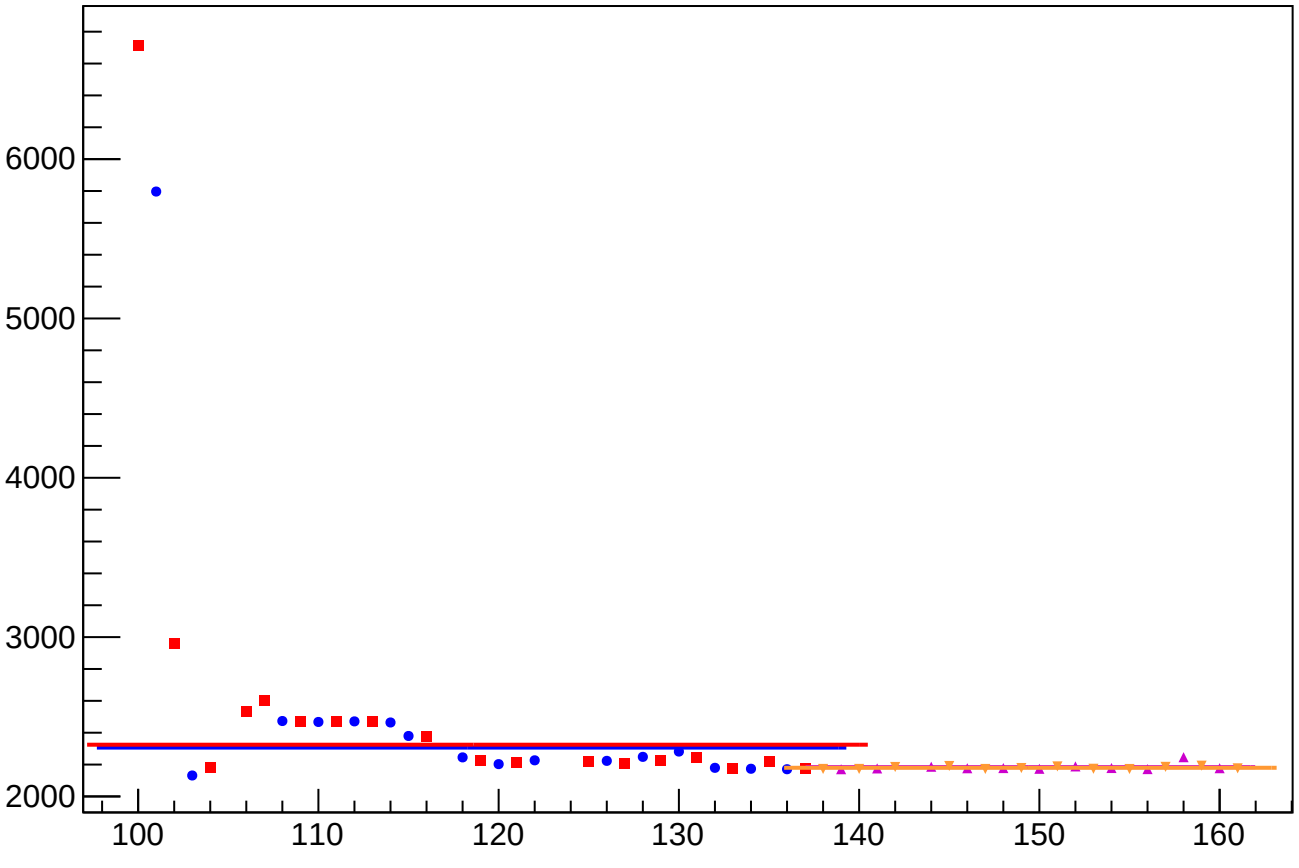
Left: -699.828+/-499.031 χ^2/NDF: 31.6/22

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -938.284+/-549.028 χ^2/NDF:33.0/26

Out: -503.279+/-547.643 χ^2/NDF:27.0/29

All: -720.232+/-387.731 χ^2/NDF: 60.3/56



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2181.877+/-0.353 χ^2/NDF: 1877.5/22

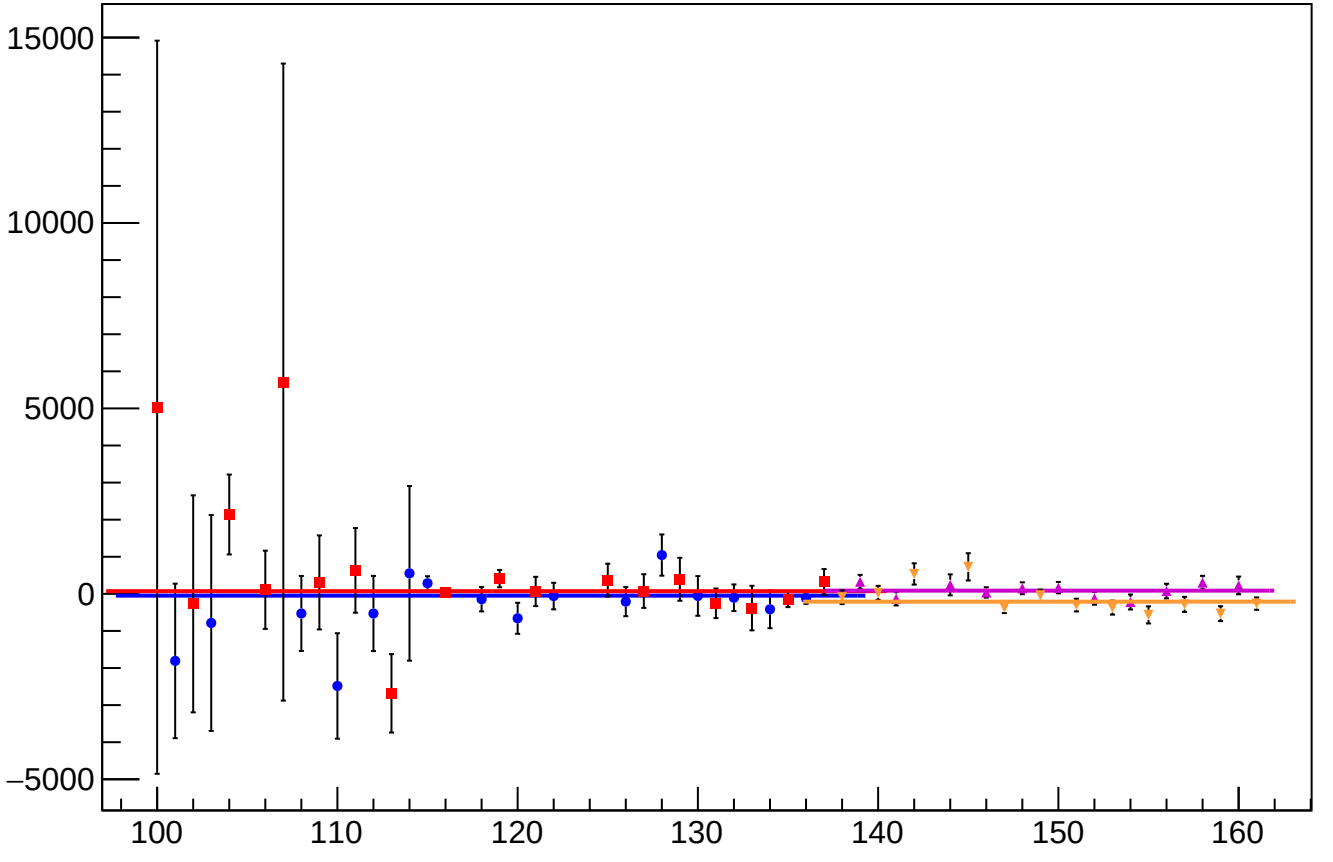
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2232.459+/-0.388 χ^2/NDF:539678.3/26

Out: 2237.355+/-0.387 χ^2/NDF:187277.9/29

All: 2234.913+/-0.274 χ^2/NDF: 727035.9/56

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: -210.444+/-54.905 χ^2/NDF:24.1/11

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 86.426+/-54.652 χ^2/NDF:9.4/10

Left: -61.323+/-38.734 χ^2/NDF: 48.1/22

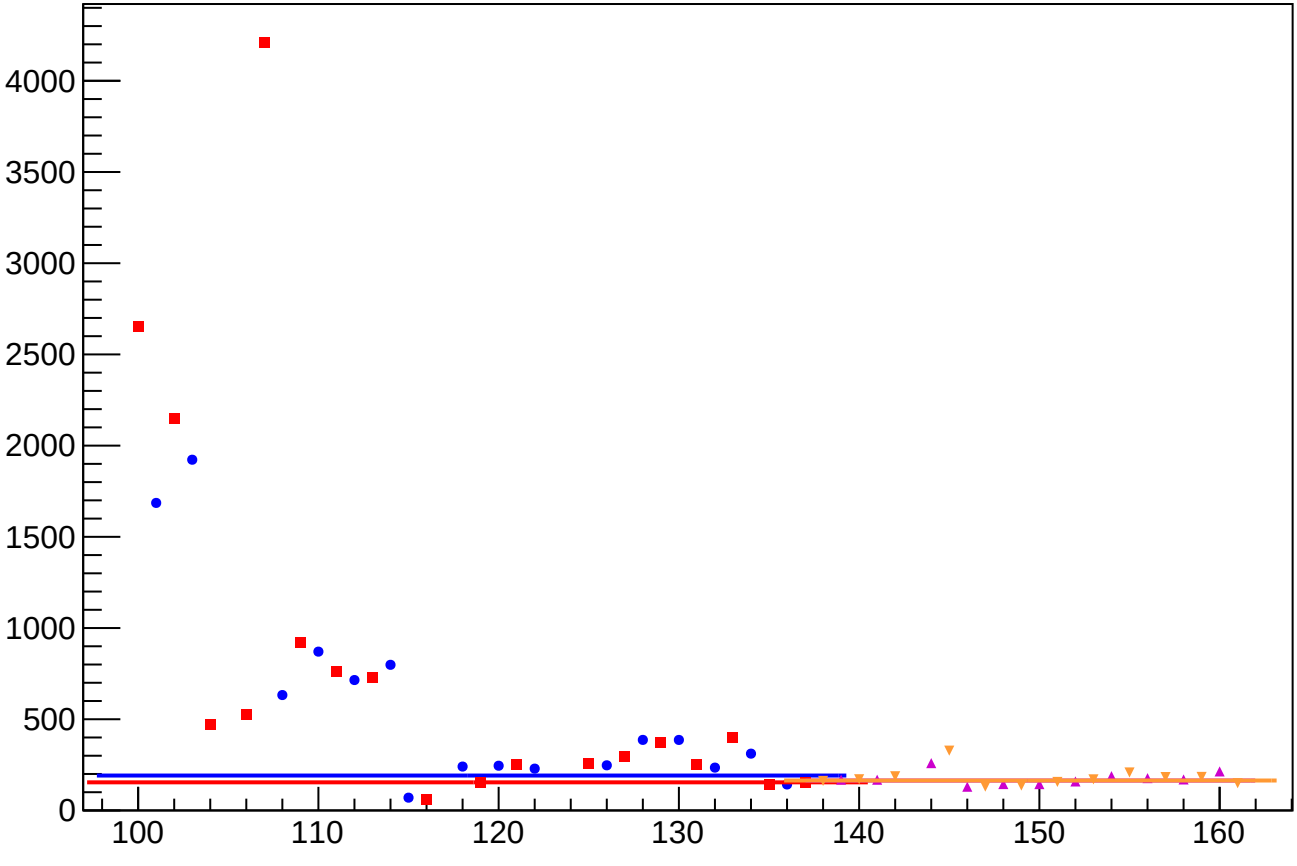
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.757+/-46.841 χ^2/NDF:25.4/26

Out: -123.425+/-45.678 χ^2/NDF:49.6/29

All: -38.524+/-32.703 χ^2/NDF: 82.1/56

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: 164.167+/-0.039 χ^2/NDF:716395.3/11

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

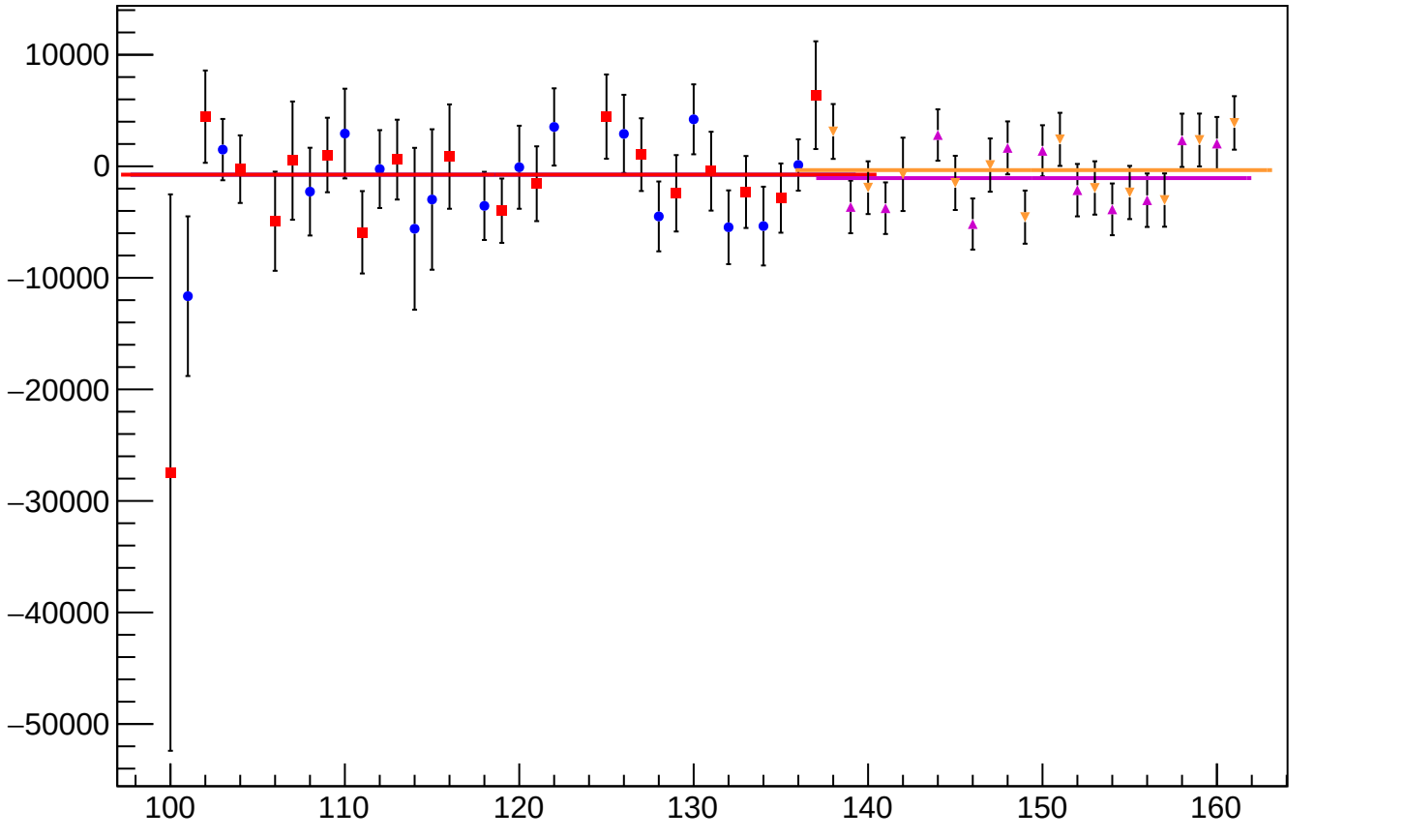
Left: 164.047+/-0.027 χ^2/NDF: 1254665.3/22

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 171.221+/-0.033 χ^2/NDF:5736034.6/26

Out: 161.074+/-0.032 χ^2/NDF:6845675.3/29

All: 166.020+/-0.023 χ^2/NDF: 12629813.8/56



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -341.419+/-705.136 χ^2/NDF:14.0/11

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1059.463+/-706.339 χ^2/NDF:17.1/10

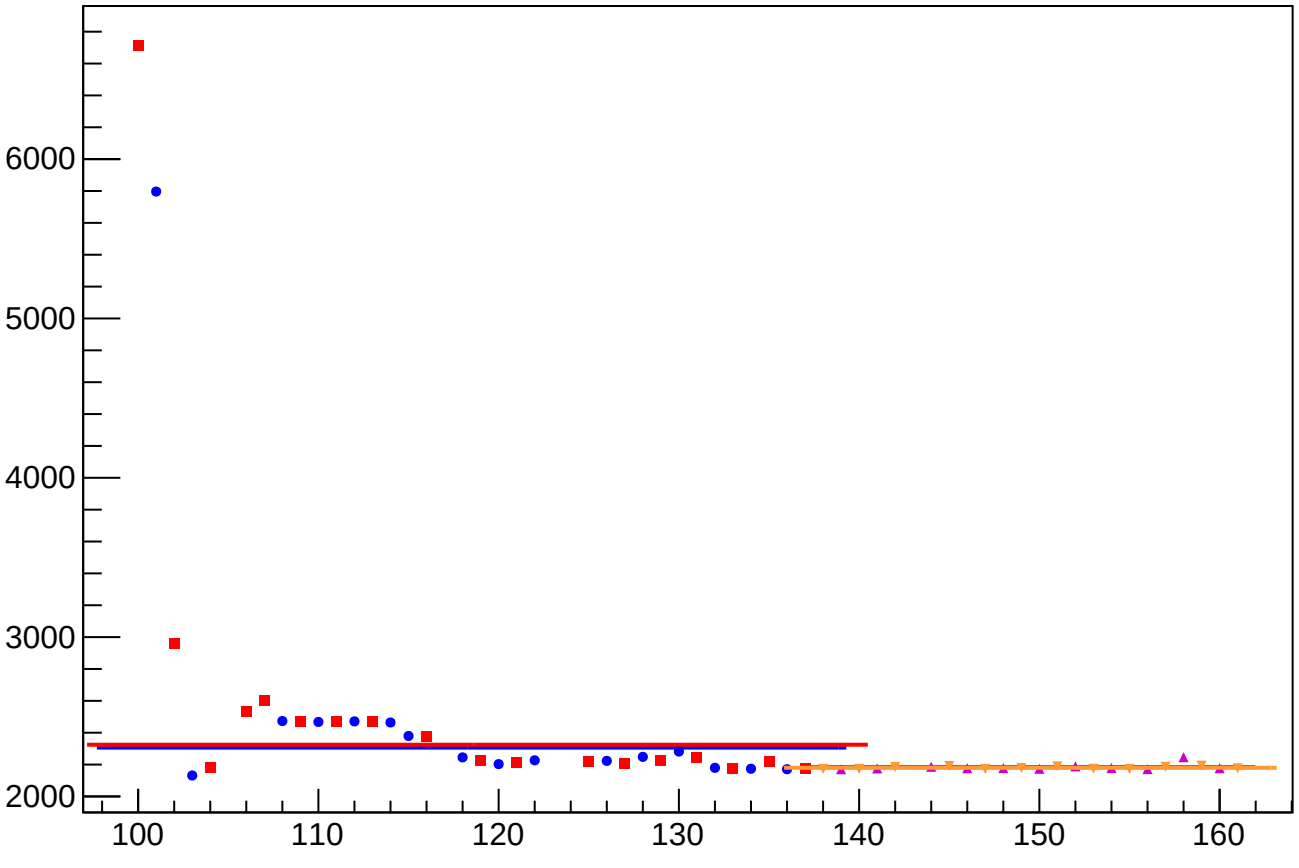
Left: -699.828+/-499.031 χ^2/NDF: 31.6/22

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -938.284+/-549.028 χ^2/NDF:33.0/26

Out: -503.279+/-547.643 χ^2/NDF:27.0/29

All: -720.232+/-387.731 χ^2/NDF: 60.3/56



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

Left: 2181.877+/-0.353 χ^2/NDF: 1877.5/22

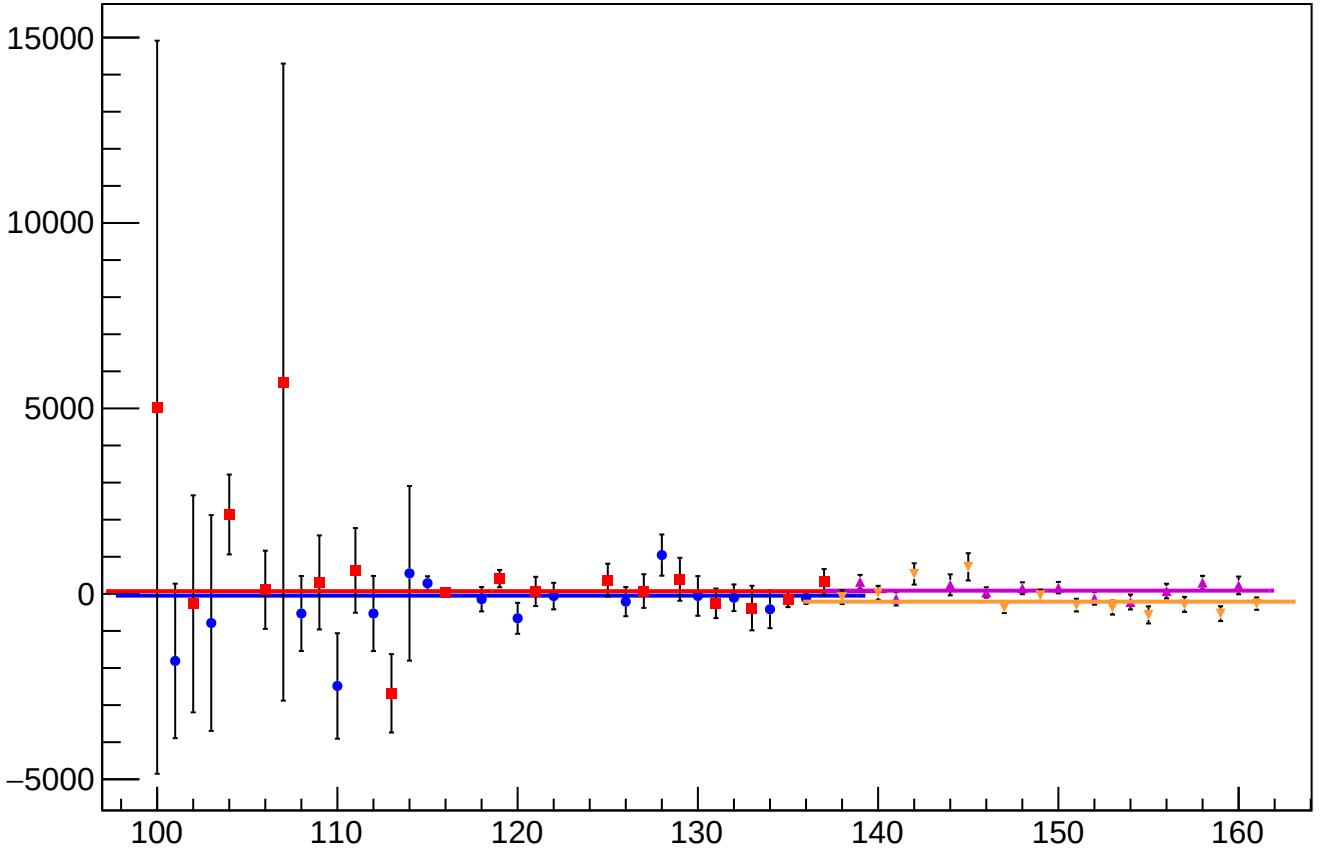
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2232.459+/-0.388 χ^2/NDF:539678.3/26

Out: 2237.355+/-0.387 χ^2/NDF:187277.9/29

All: 2234.913+/-0.274 χ^2/NDF: 727035.9/56

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: -210.444+/-54.905 χ^2/NDF:24.1/11

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 86.426+/-54.652 χ^2/NDF:9.4/10

Left: -61.323+/-38.734 χ^2/NDF: 48.1/22

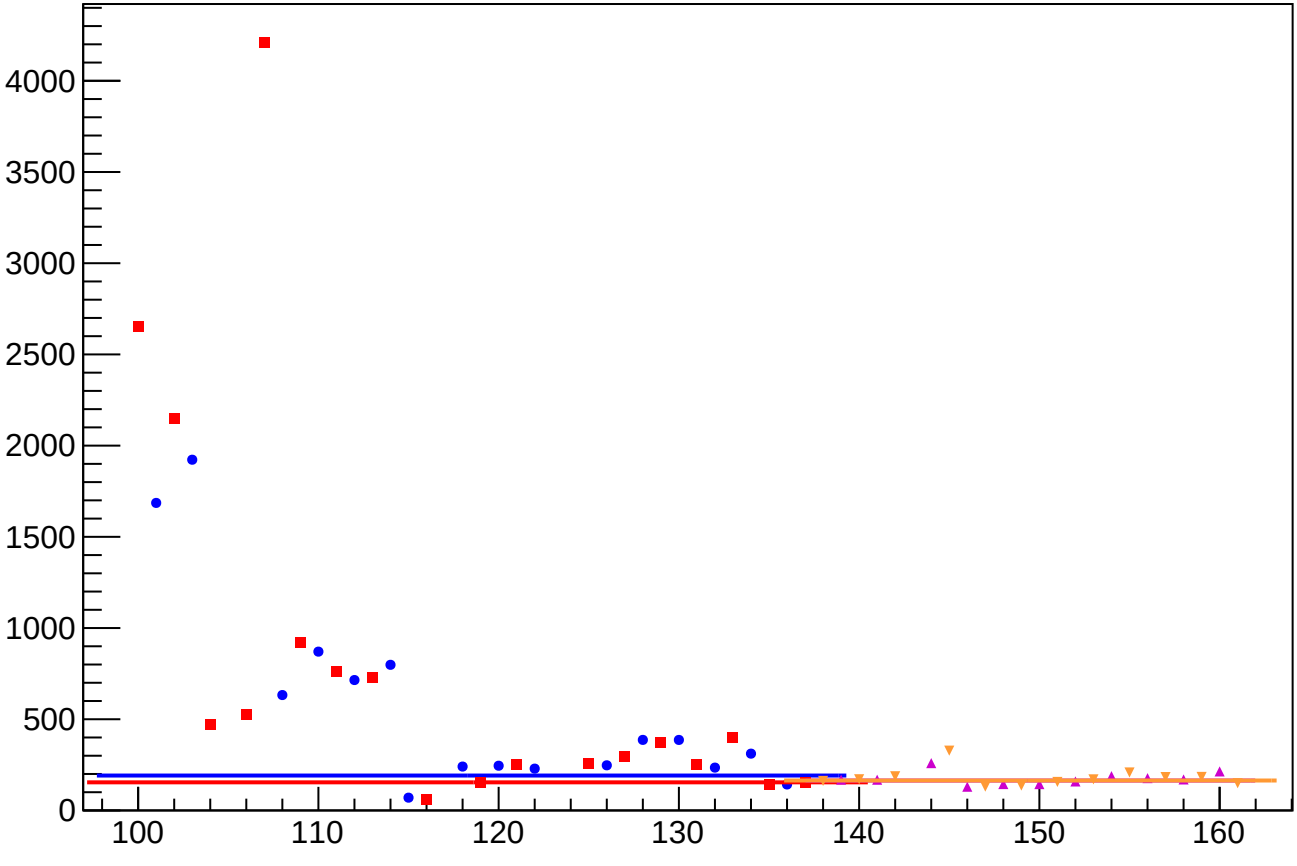
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.757+/-46.841 χ^2/NDF:25.4/26

Out: -123.425+/-45.678 χ^2/NDF:49.6/29

All: -38.524+/-32.703 χ^2/NDF: 82.1/56

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: 164.167+/-0.039 χ^2/NDF:716395.3/11

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

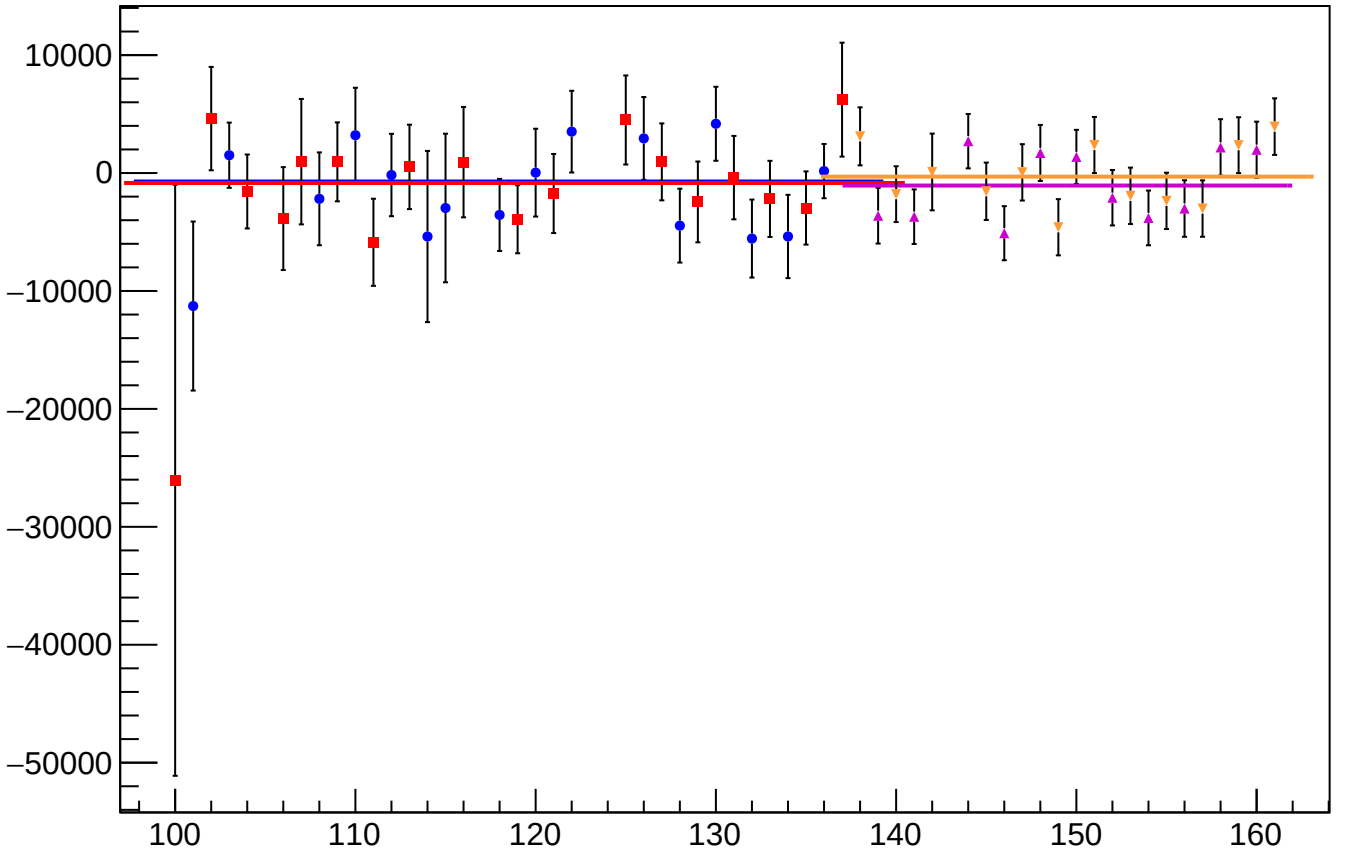
Left: 164.047+/-0.027 χ^2/NDF: 1254665.3/22

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 171.221+/-0.033 χ^2/NDF:5736034.6/26

Out: 161.074+/-0.032 χ^2/NDF:6845675.3/29

All: 166.020+/-0.023 χ^2/NDF: 12629813.8/56



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -303.912+/-705.016 χ^2/NDF:14.0/11

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1059.569+/-706.586 χ^2/NDF:16.4/10

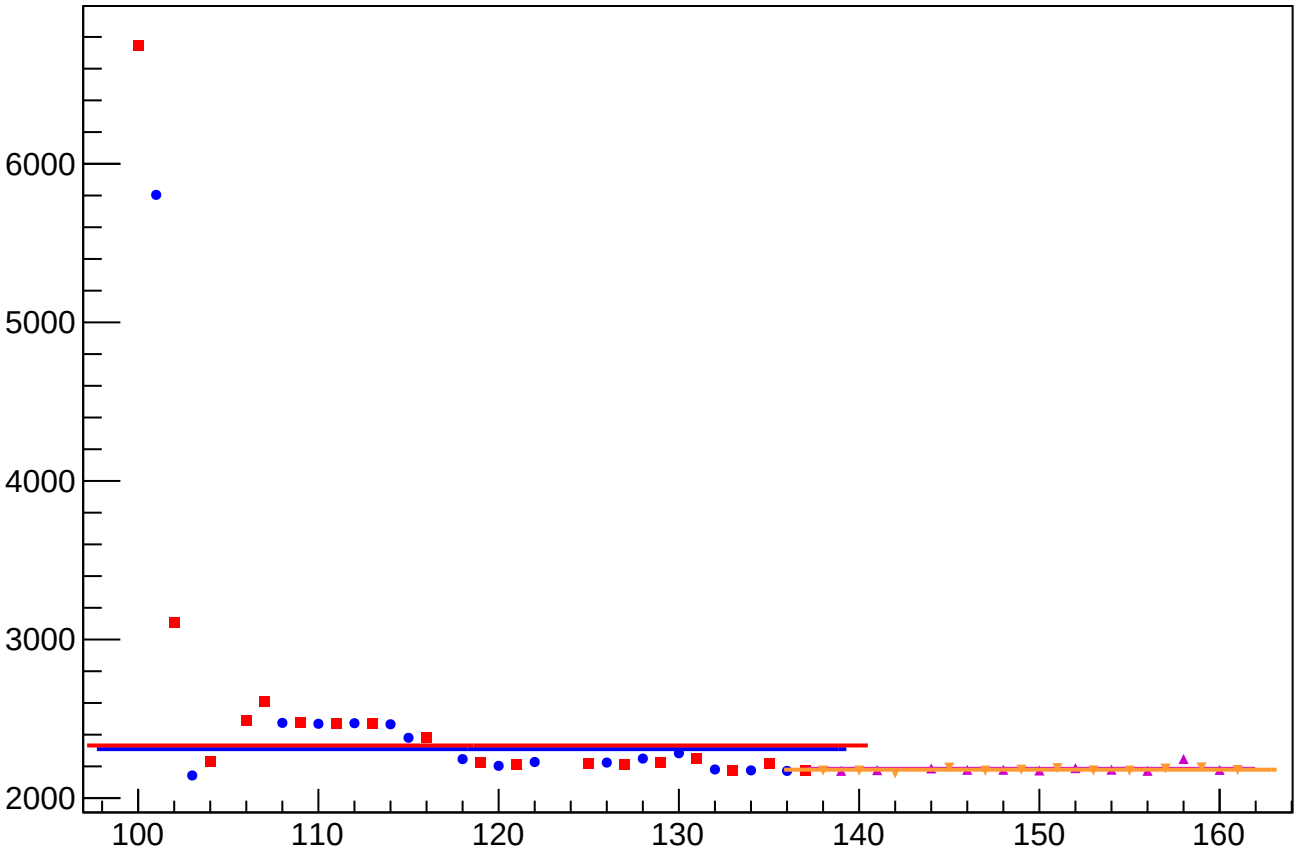
Left: -680.900+/-499.076 χ^2/NDF: 31.0/22

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -924.134+/-549.364 χ^2/NDF:32.4/26

Out: -516.206+/-548.637 χ^2/NDF:26.4/29

All: -719.900+/-388.202 χ^2/NDF: 59.0/56



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.262+/-0.499 χ^2/NDF:343.7/11

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

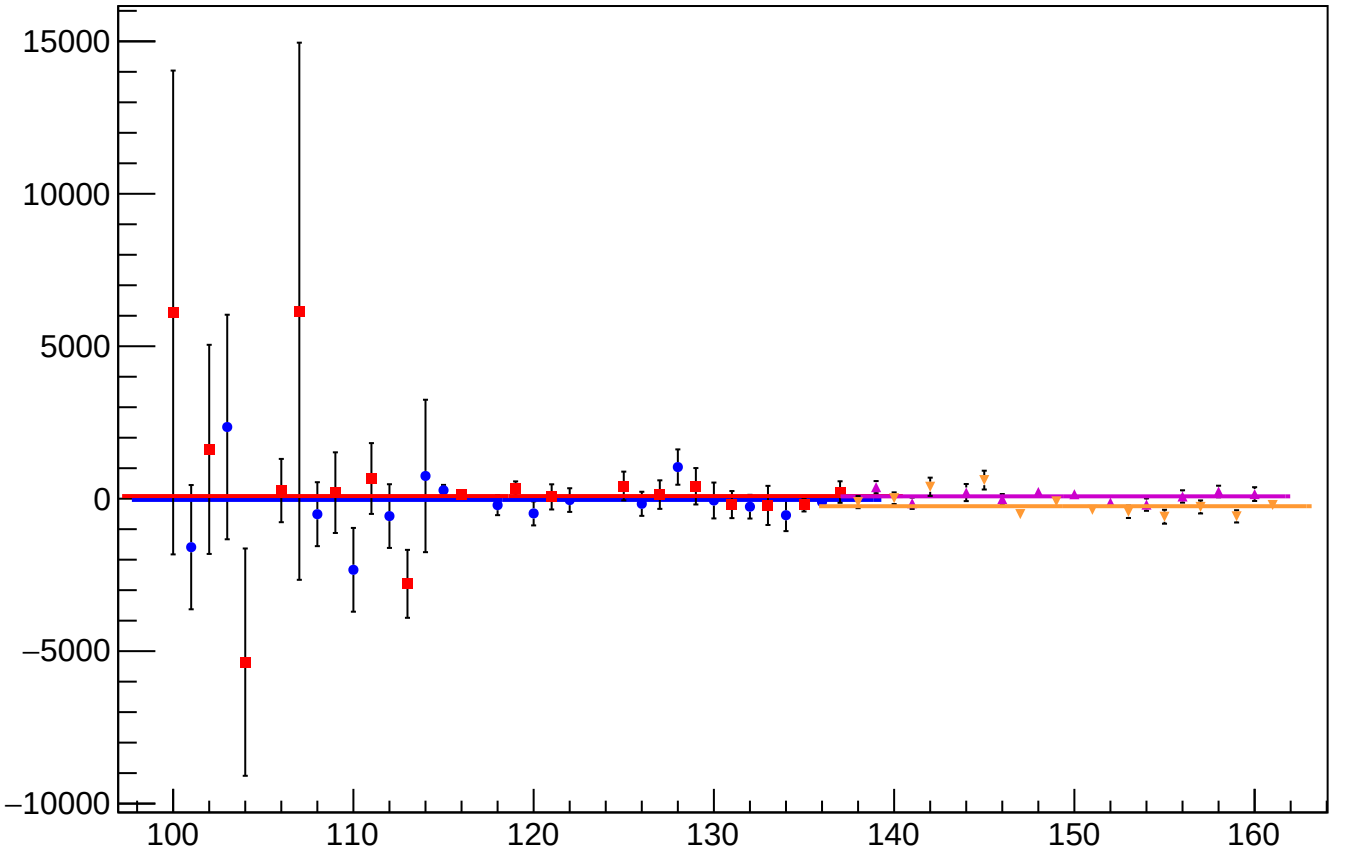
Left: 2181.935+/-0.353 χ^2/NDF: 1999.4/22

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2233.710+/-0.388 χ^2/NDF:539748.7/26

Out: 2239.446+/-0.388 χ^2/NDF:204616.3/29

All: 2236.582+/-0.274 χ^2/NDF: 744474.2/56



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -246.462+/-55.536 χ^2/NDF:24.9/11

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 77.361+/-55.754 χ^2/NDF:9.4/10

Left: -85.183+/-39.347 χ^2/NDF: 51.3/22

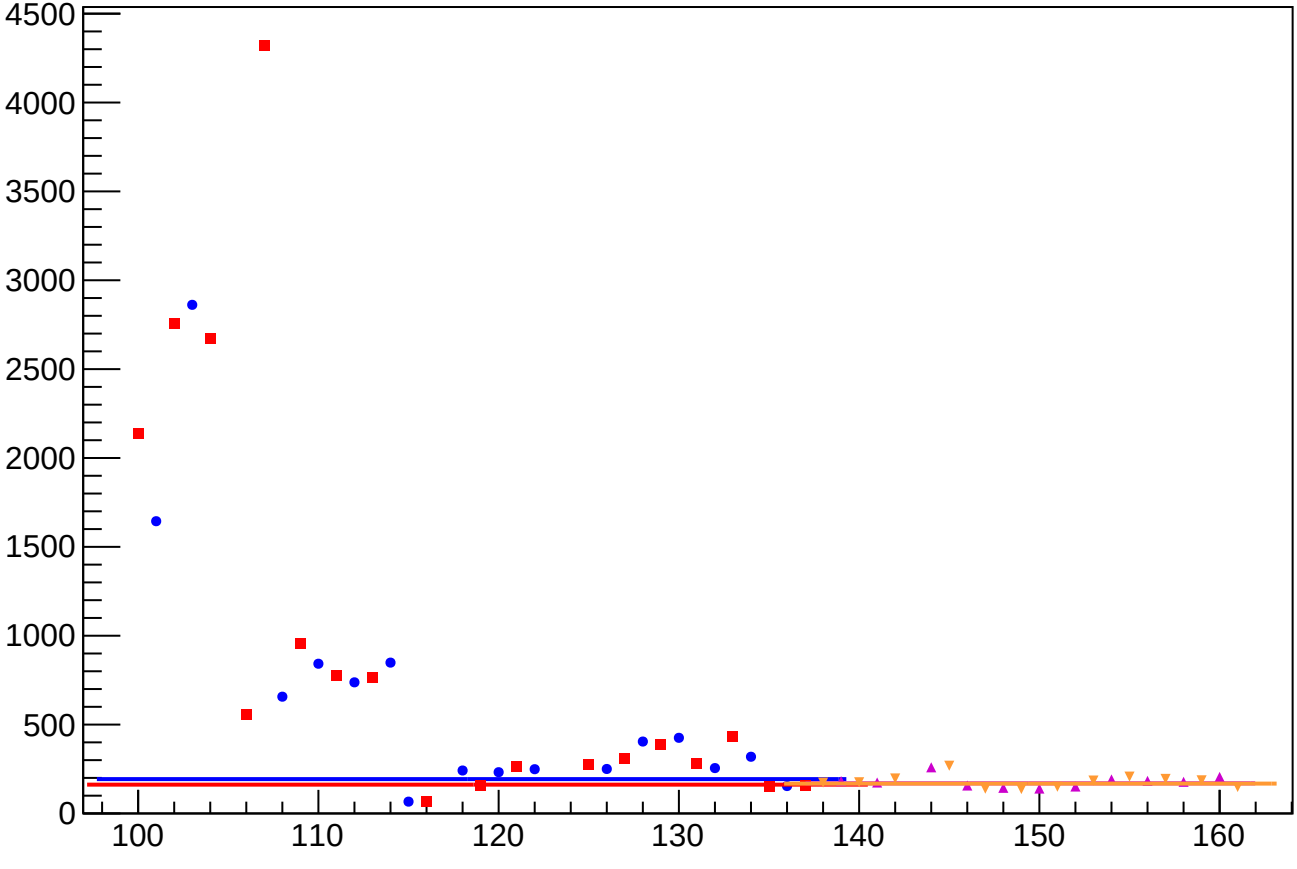
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 46.009+/-47.738 χ^2/NDF:24.7/26

Out: -148.650+/-46.668 χ^2/NDF:50.4/29

All: -53.526+/-33.371 χ^2/NDF: 83.6/56

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: 167.949+/-0.039 χ^2/NDF:558241.6/11

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 169.367+/-0.039 χ^2/NDF:468645.8/10

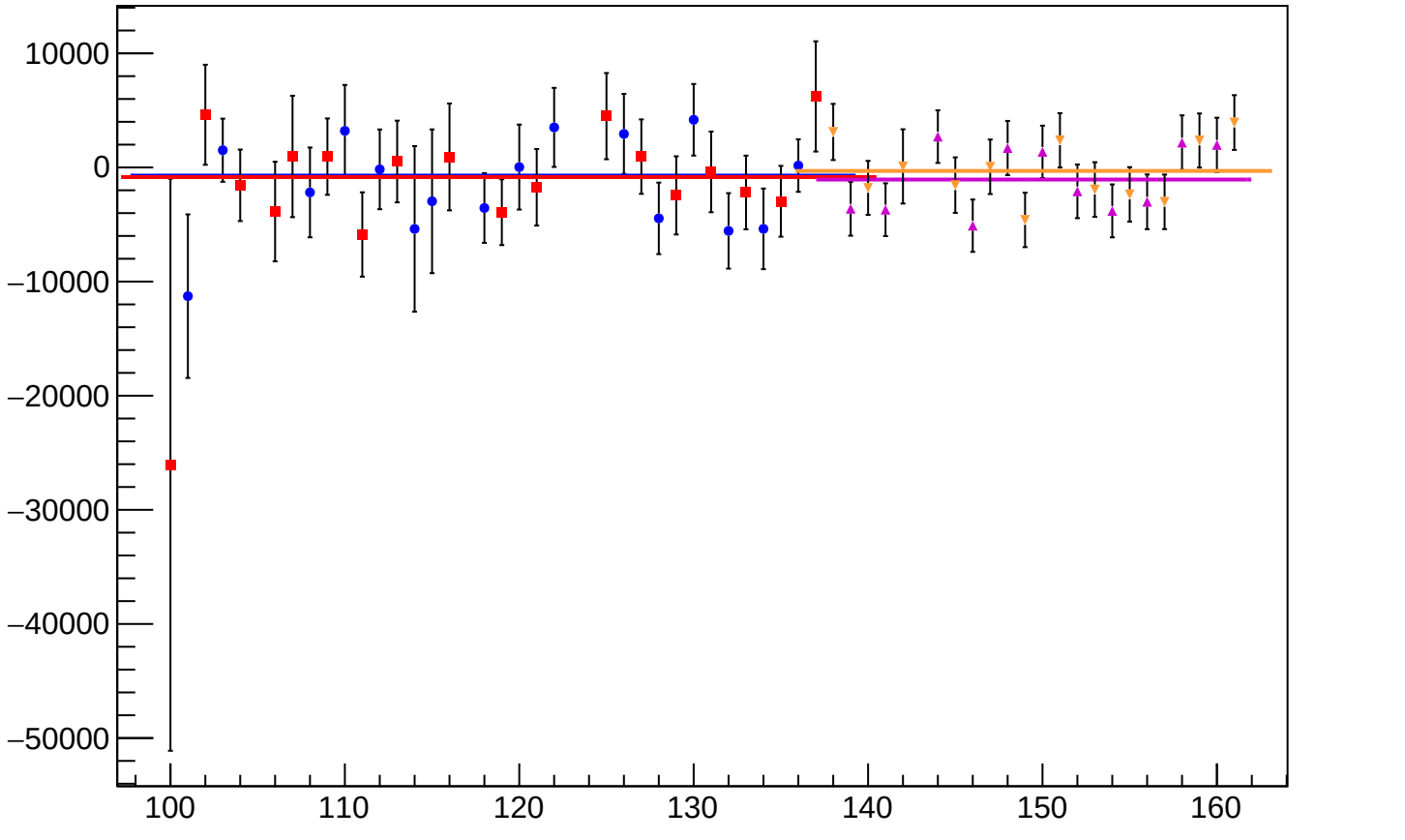
Left: 168.655+/-0.028 χ^2/NDF: 1027536.8/22

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 175.742+/-0.034 χ^2/NDF:6184475.5/26

Out: 166.234+/-0.033 χ^2/NDF:7635218.7/29

All: 170.880+/-0.024 χ^2/NDF: 13860260.5/56



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -303.913+/-705.016 χ^2/NDF:14.0/11

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1059.568+/-706.586 χ^2/NDF:16.4/10

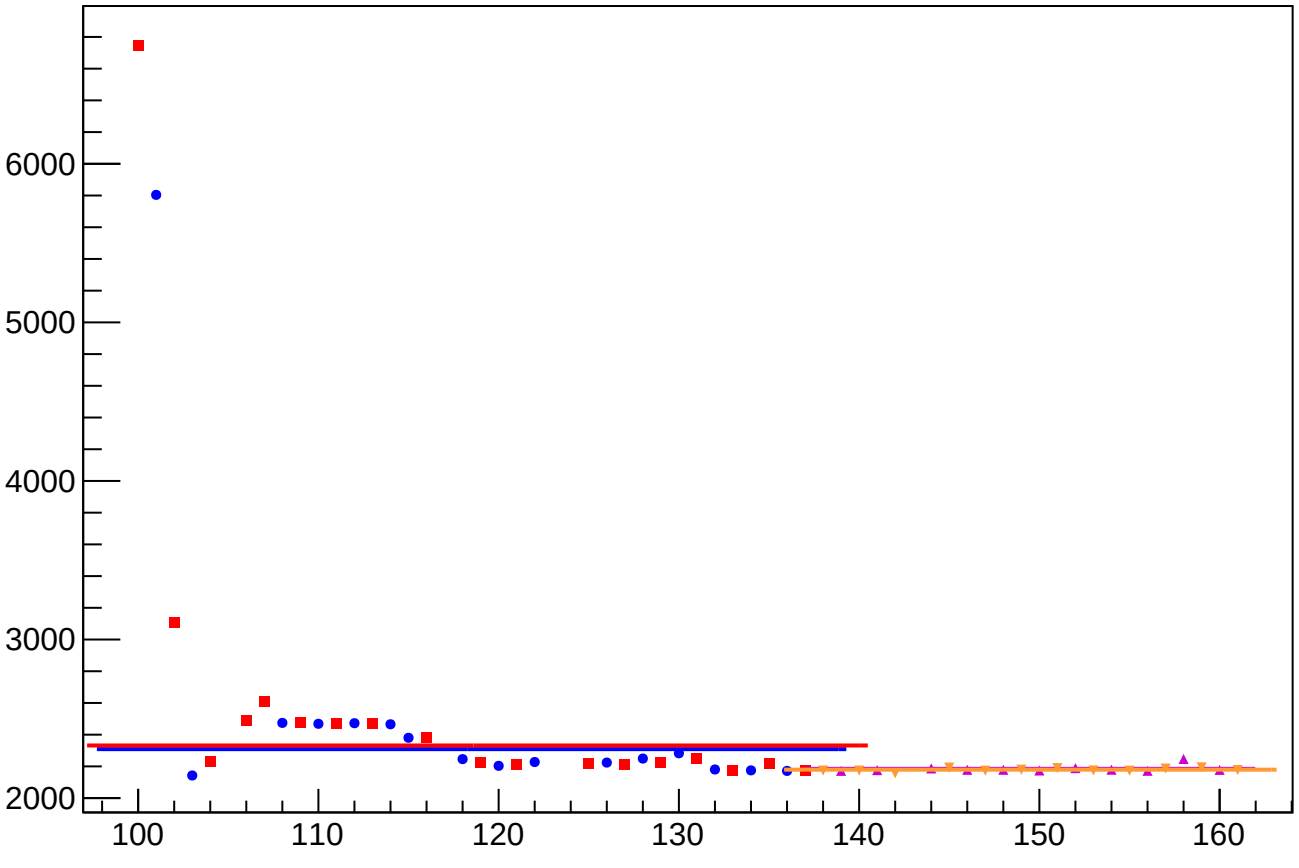
Left: -680.900+/-499.076 χ^2/NDF: 31.0/22

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -924.134+/-549.364 χ^2/NDF:32.4/26

Out: -516.208+/-548.637 χ^2/NDF:26.4/29

All: -719.901+/-388.202 χ^2/NDF: 59.0/56



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.262+/-0.499 χ^2/NDF:343.7/11

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

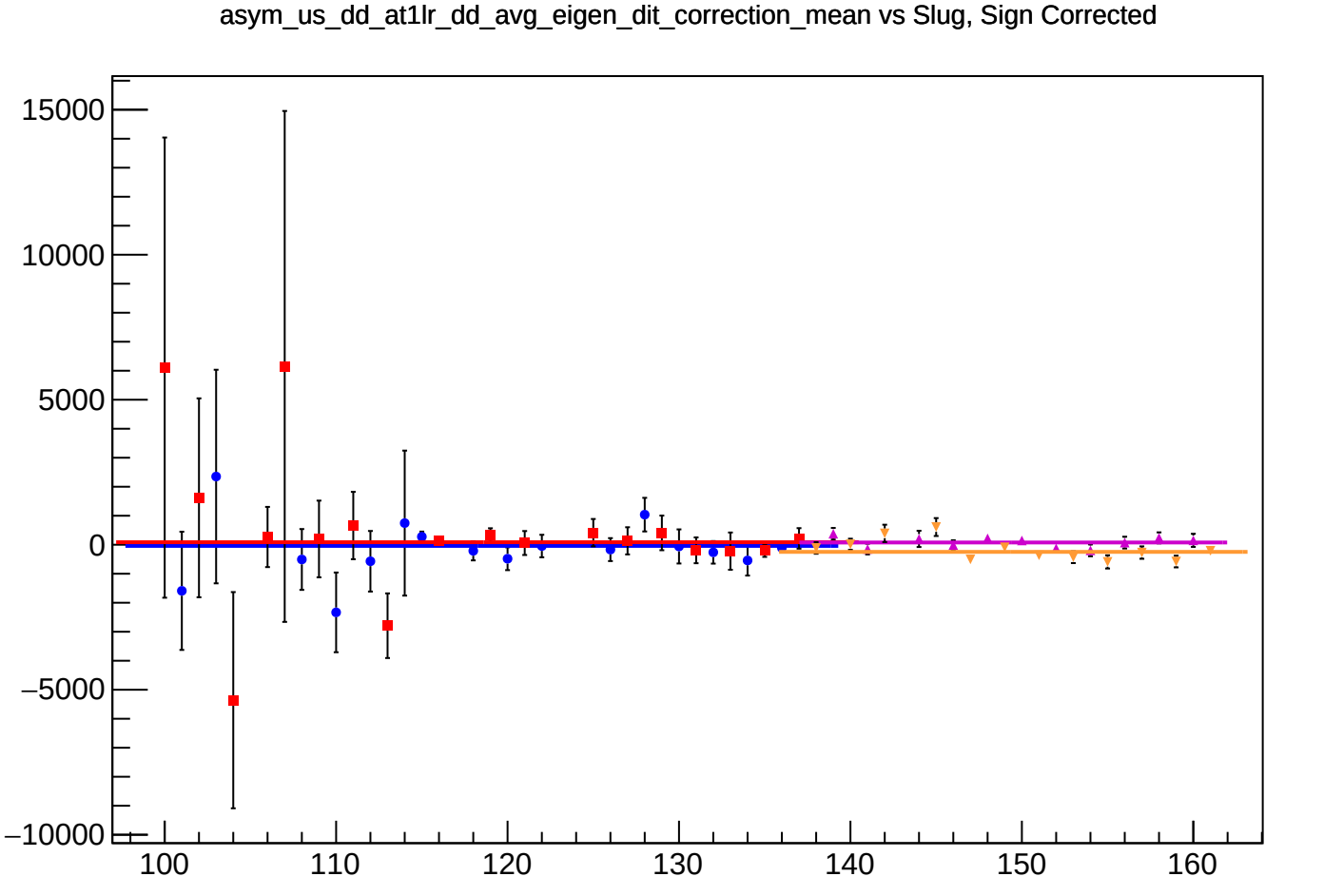
Left: 2181.935+/-0.353 χ^2/NDF: 1999.4/22

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

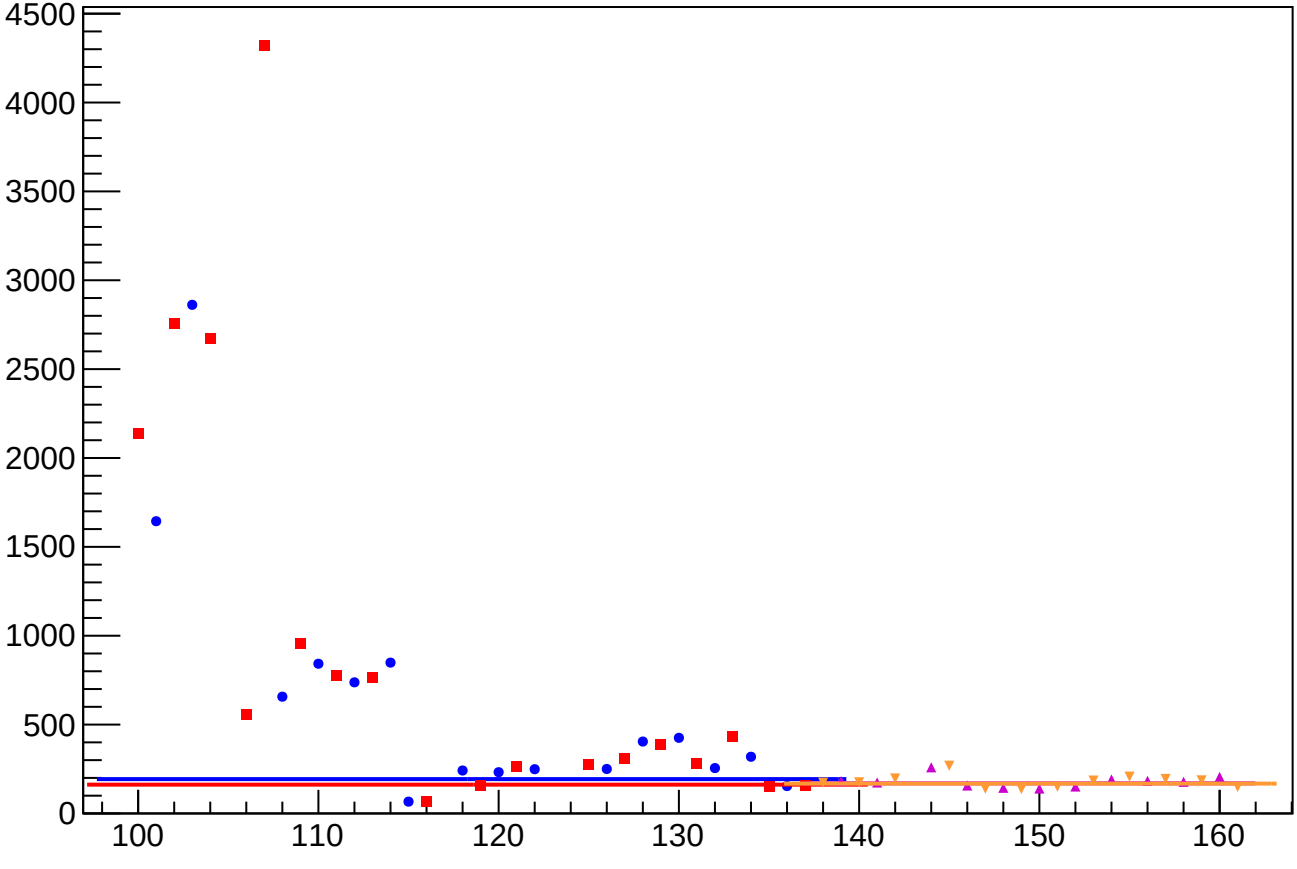
In: 2233.710+/-0.388 χ^2/NDF:539748.8/26

Out: 2239.446+/-0.388 χ^2/NDF:204616.2/29

All: 2236.582+/-0.274 χ^2/NDF: 744474.1/56


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -40.116+/-92.408 χ²/NDF: 14.1/15
Left Out: -246.463+/-55.537 χ²/NDF:24.9/11
Right Out: 86.380+/-86.087 χ²/NDF: 15.0/17
Left In: 77.359+/-55.754 χ²/NDF:9.4/10
Left: -85.185+/-39.347 χ²/NDF: 51.3/22
Right: 27.606+/-62.989 χ²/NDF: 30.0/33
In: 46.008+/-47.738 χ²/NDF:24.7/26
Out: -148.649+/-46.668 χ²/NDF:50.4/29
All: -53.527+/-33.371 χ²/NDF: 83.6/56

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: 167.950+/-0.039 χ^2/NDF:558226.7/11

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 169.368+/-0.039 χ^2/NDF:468640.2/10

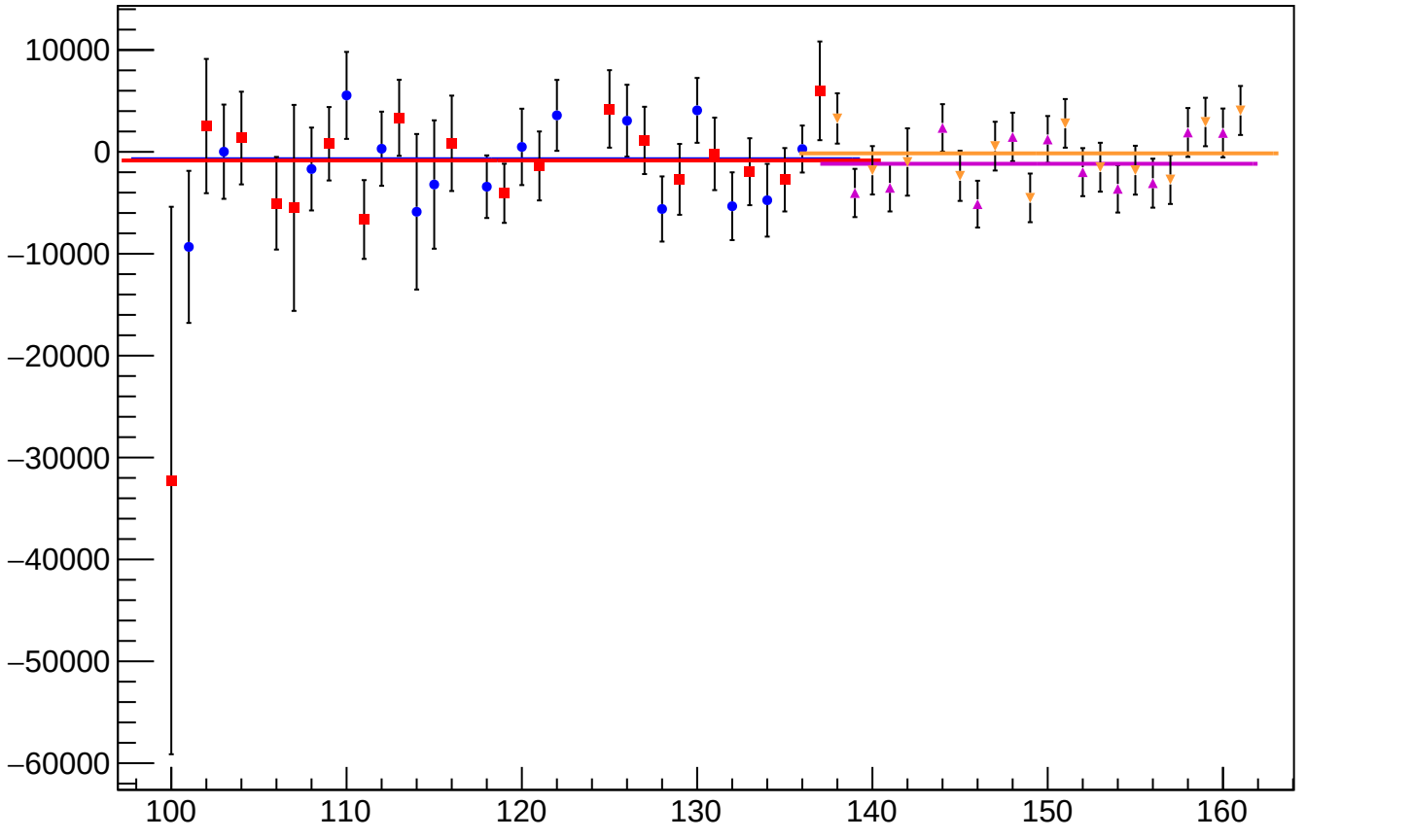
Left: 168.656+/-0.028 χ^2/NDF: 1027516.4/22

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 175.742+/-0.034 χ^2/NDF:6184483.5/26

Out: 166.234+/-0.033 χ^2/NDF:7635268.9/29

All: 170.880+/-0.024 χ^2/NDF: 13860321.6/56



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -145.345+/-708.038 χ^2/NDF:14.9/11

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1169.985+/-709.123 χ^2/NDF:15.2/10

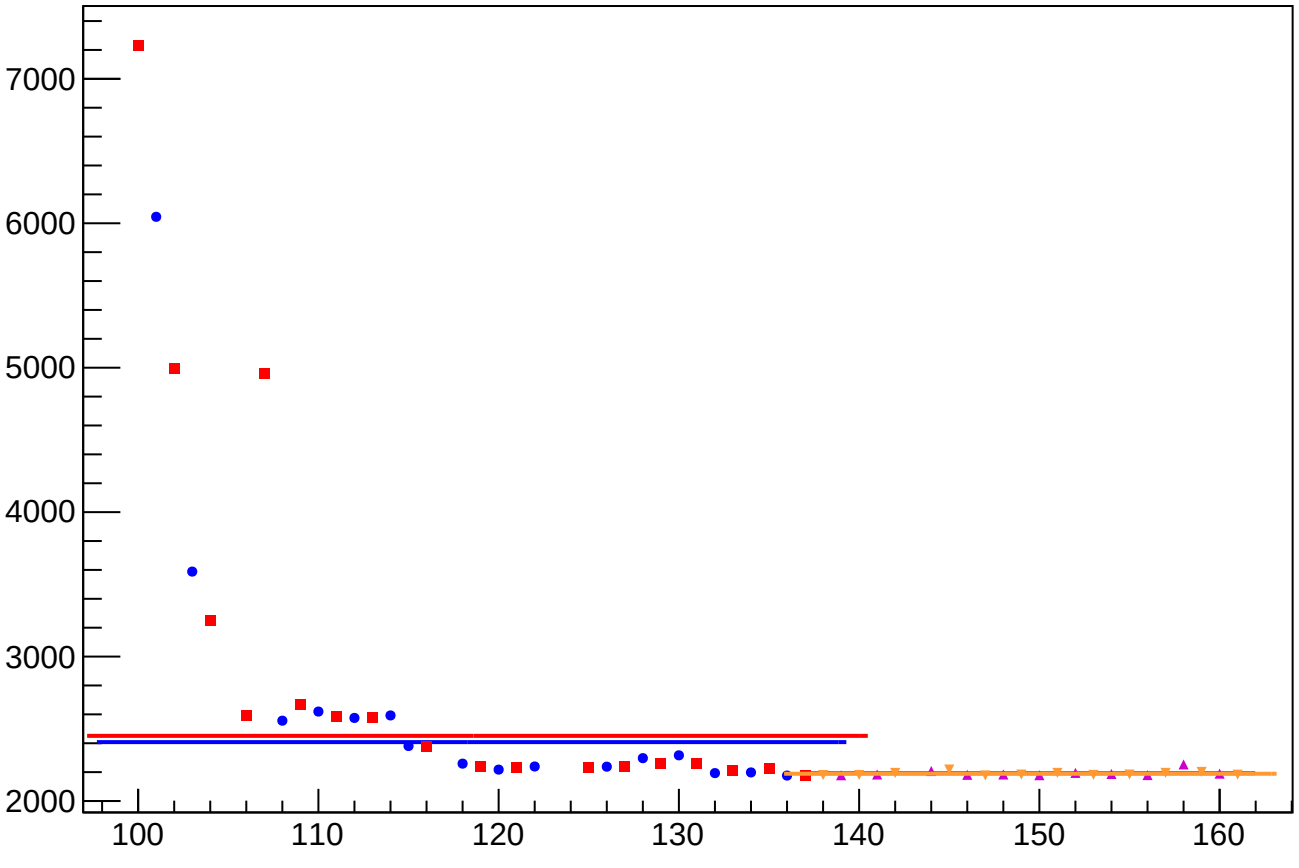
Left: -656.880+/-501.042 χ^2/NDF: 31.1/22

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1001.251+/-560.784 χ^2/NDF:31.1/26

Out: -402.459+/-563.063 χ^2/NDF:28.2/29

All: -703.069+/-397.338 χ^2/NDF: 59.9/56



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.862+/-0.501 χ^2/NDF:523.9/11

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.455+/-0.501 χ^2/NDF:1682.0/10

Left: 2190.655+/-0.354 χ^2/NDF: 2231.6/22

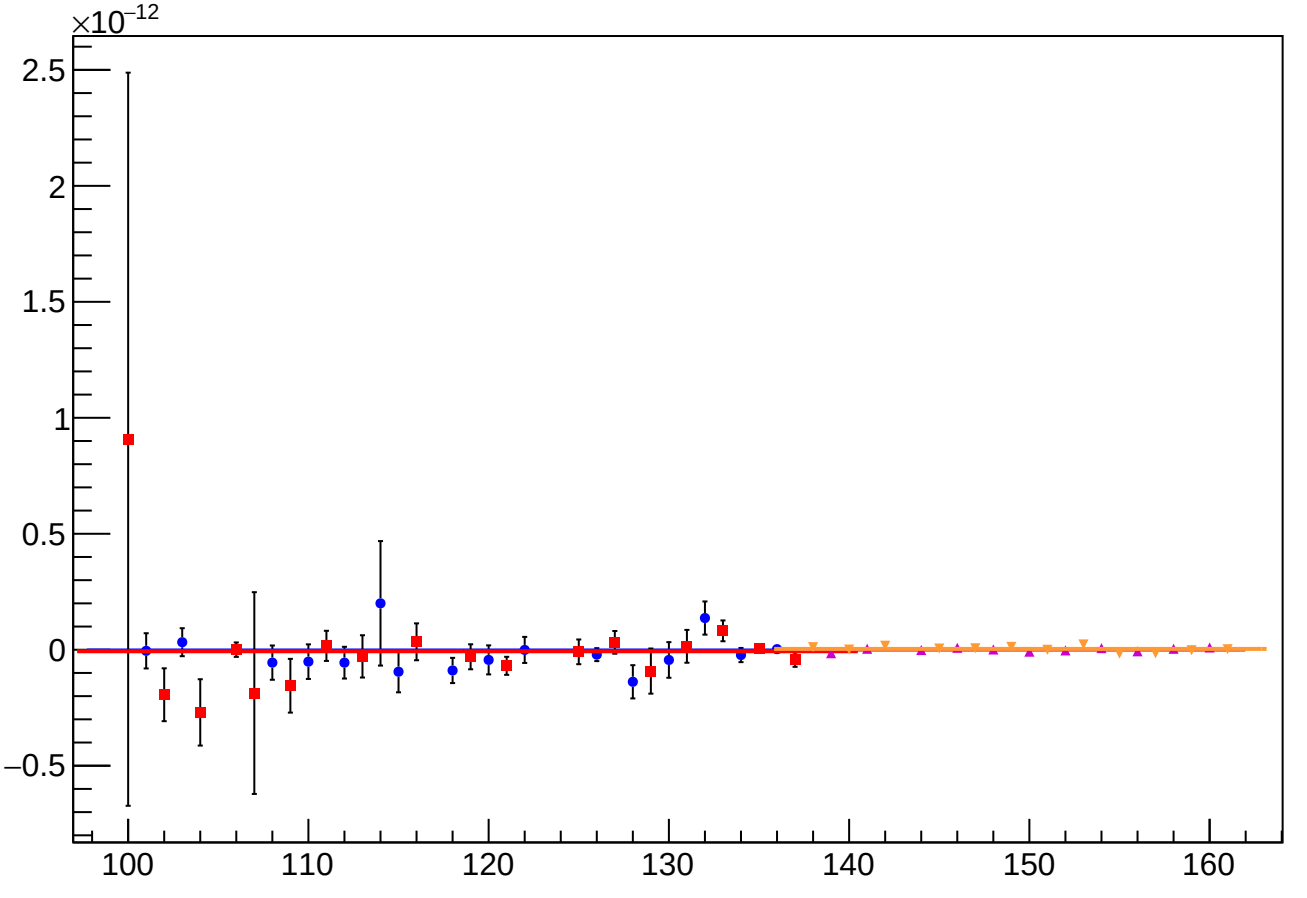
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2273.124+/-0.397 χ^2/NDF:747664.2/26

Out: 2285.290+/-0.398 χ^2/NDF:735041.1/29

All: 2279.183+/-0.281 χ^2/NDF: 1483174.1/56

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.4/10

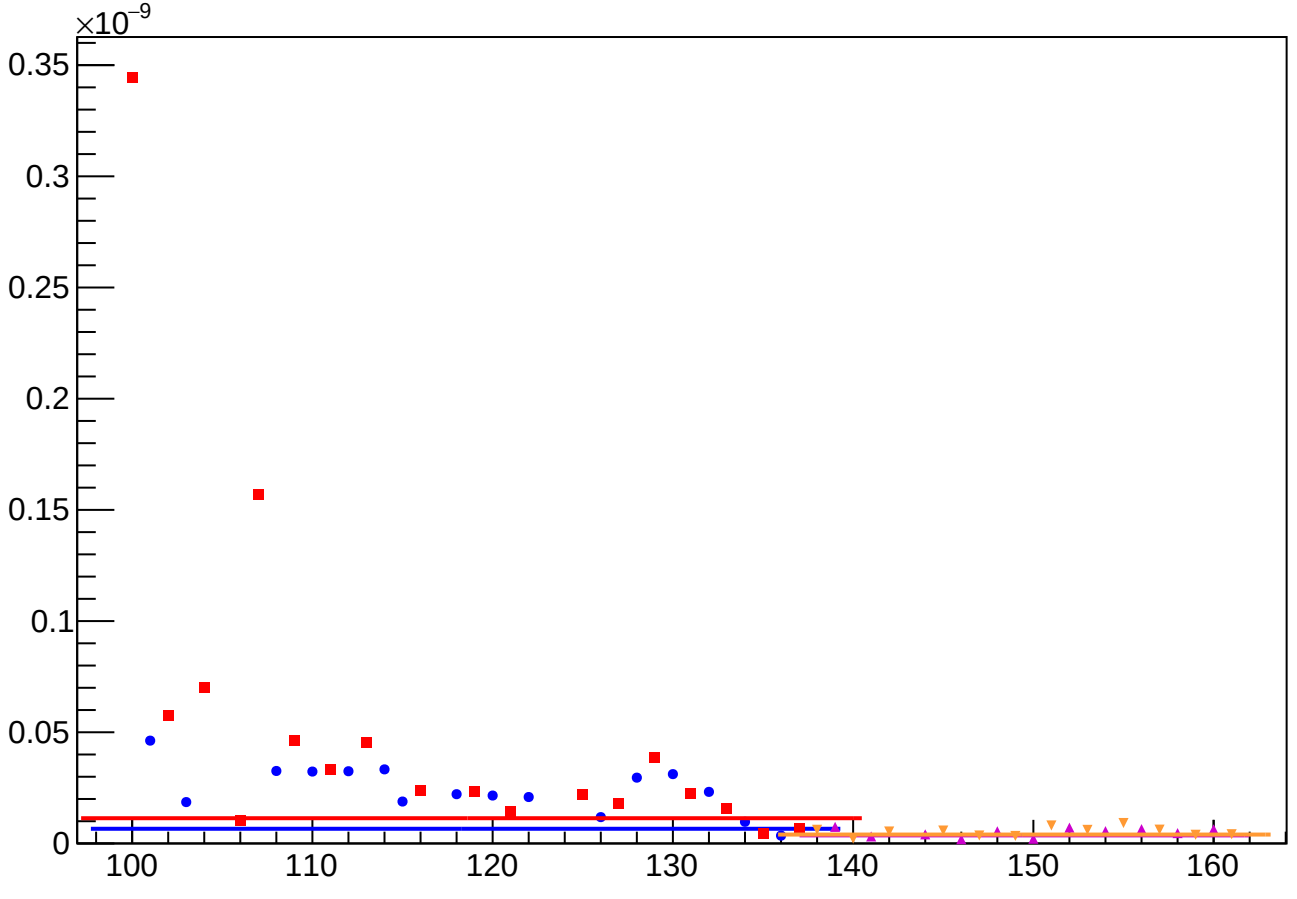
Left: 0.000+/-0.000 χ^2/NDF: 21.4/22

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:25.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.2/29

All: 0.000+/-0.000 χ^2/NDF: 57.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1142938.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1156302.5/10

Left: 0.000+/-0.000 χ^2/NDF: 2325456.5/22

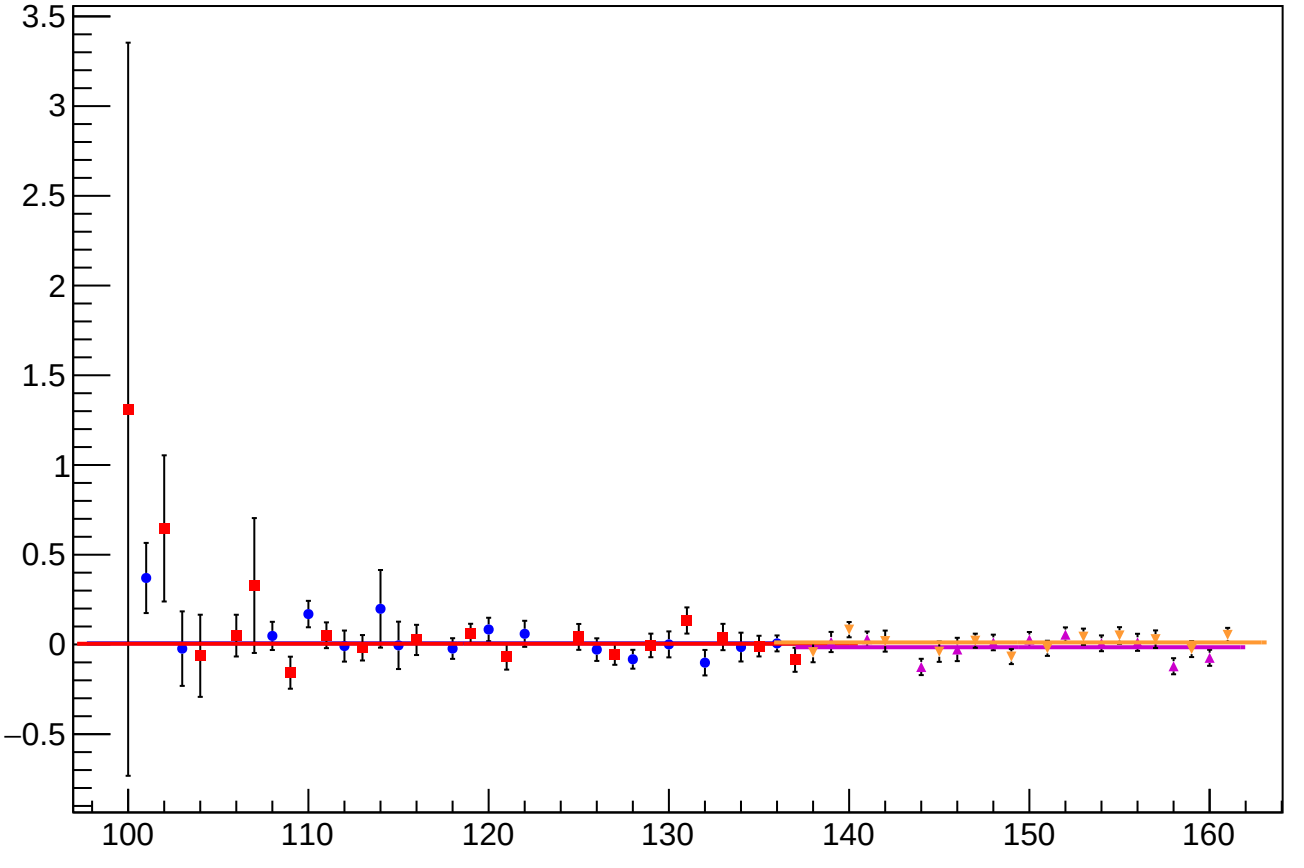
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4407374.5/26

Out: 0.000+/-0.000 χ^2/NDF:4910835.6/29

All: 0.000+/-0.000 χ^2/NDF: 9354082.0/56

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: 0.011+/-0.013 χ^2/NDF:12.0/11

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.002+/-0.010 χ^2/NDF: 33.6/22

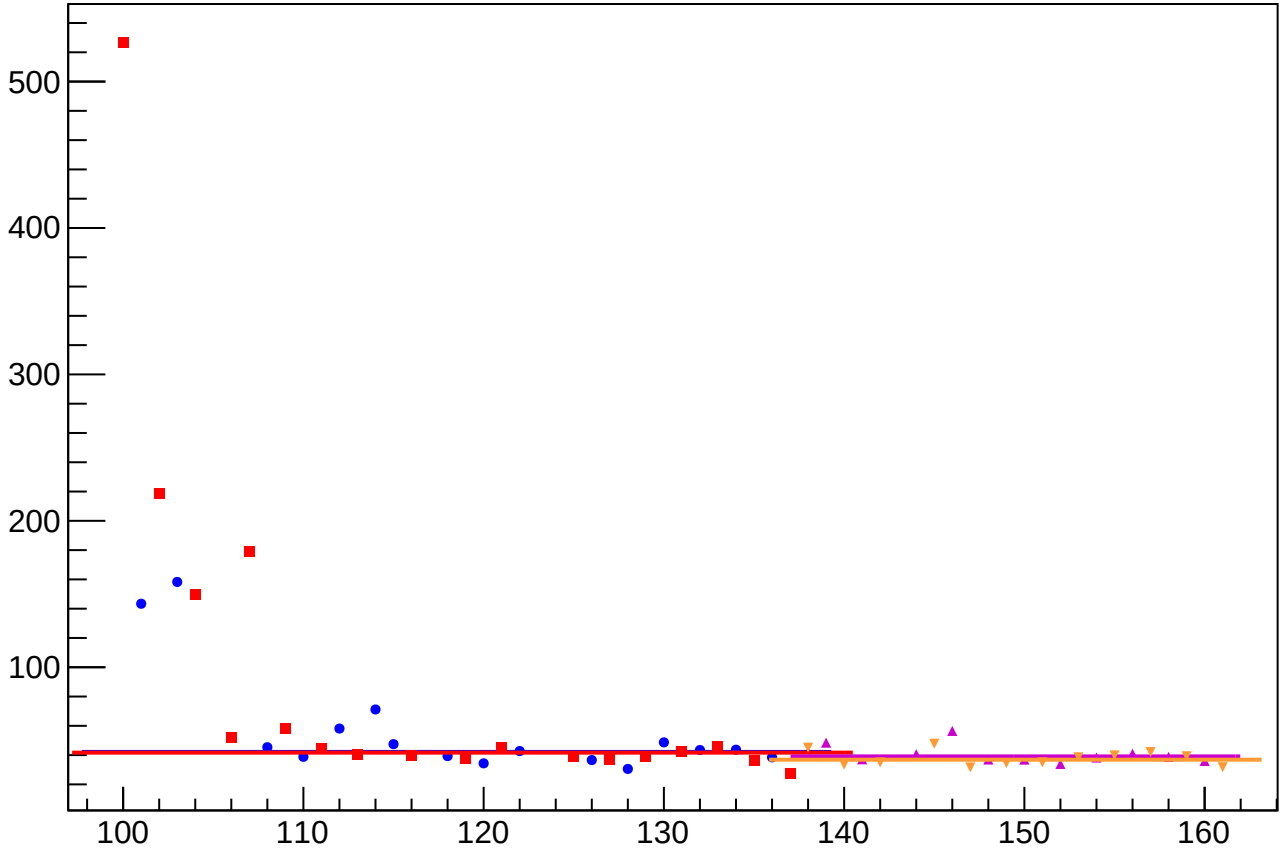
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.009+/-0.011 χ^2/NDF:28.4/29

All: 0.001+/-0.008 χ^2/NDF: 67.2/56

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.857+/-0.009 χ^2/NDF:248602.0/11

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

Left: 37.929+/-0.007 χ^2/NDF: 537965.8/22

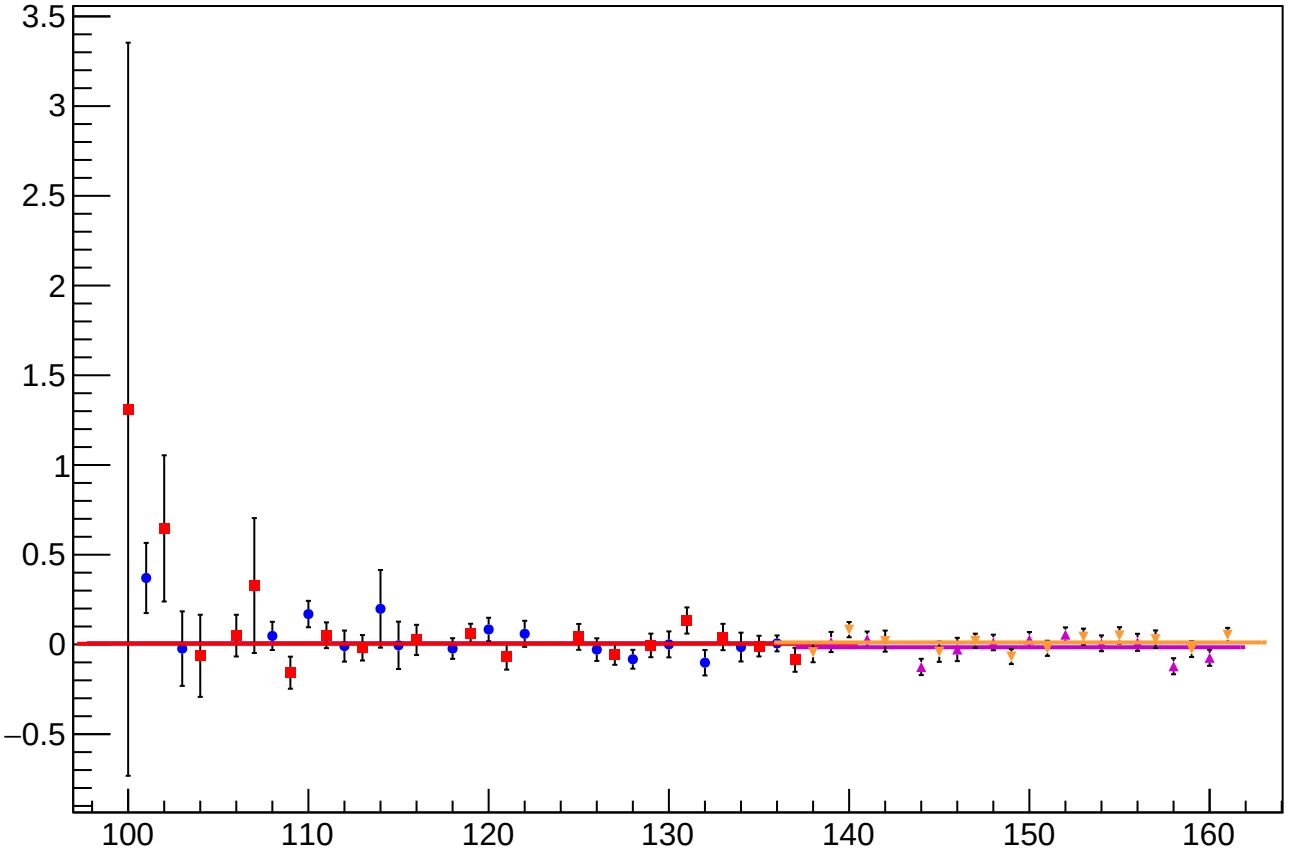
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.222+/-0.008 χ^2/NDF:1751450.9/26

Out: 38.471+/-0.008 χ^2/NDF:1779953.3/29

All: 39.324+/-0.005 χ^2/NDF: 3557310.0/56

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: 0.011+/-0.013 χ^2/NDF:12.0/11

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.002+/-0.010 χ^2/NDF: 33.6/22

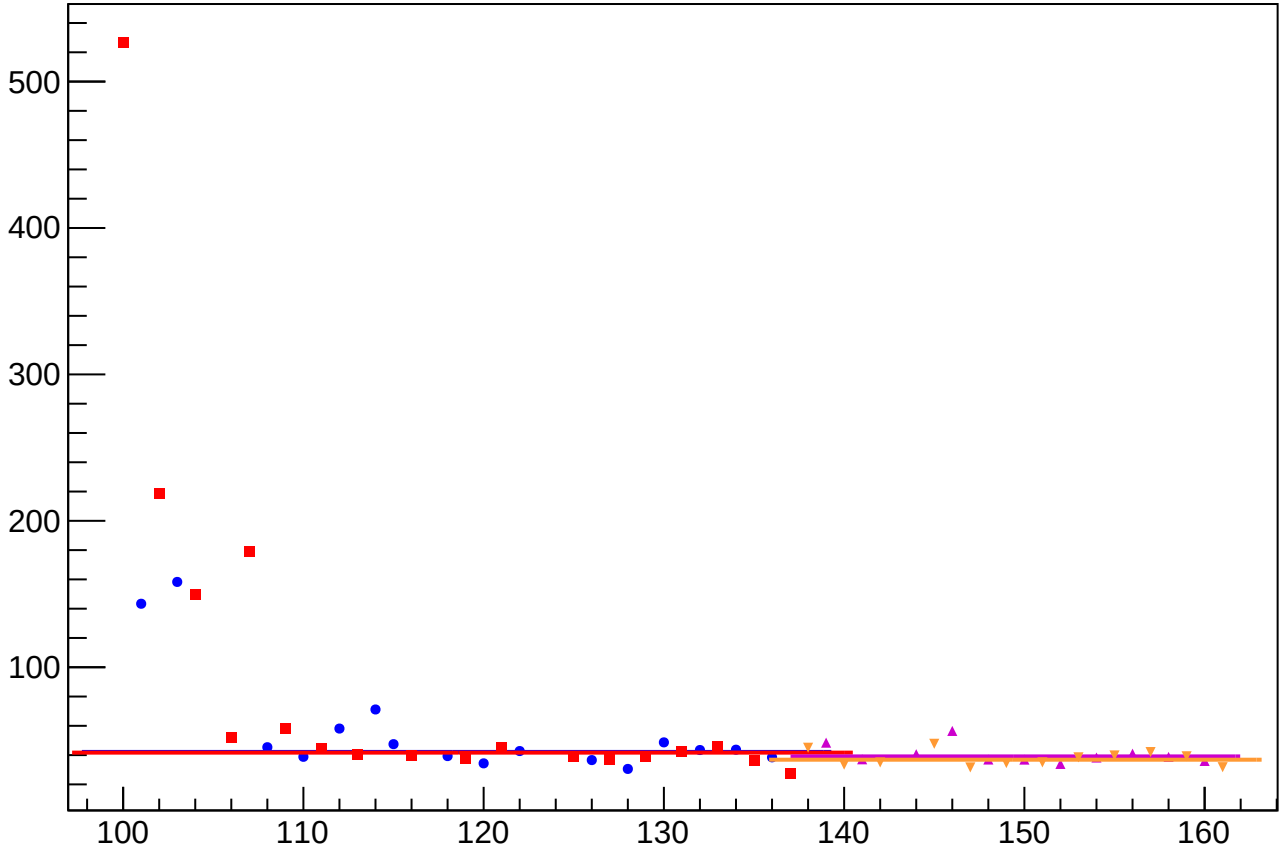
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.009+/-0.011 χ^2/NDF:28.4/29

All: 0.001+/-0.008 χ^2/NDF: 67.2/56

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: 36.857+/-0.009 χ^2/NDF:248602.0/11

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

Left: 37.929+/-0.007 χ^2/NDF: 537965.8/22

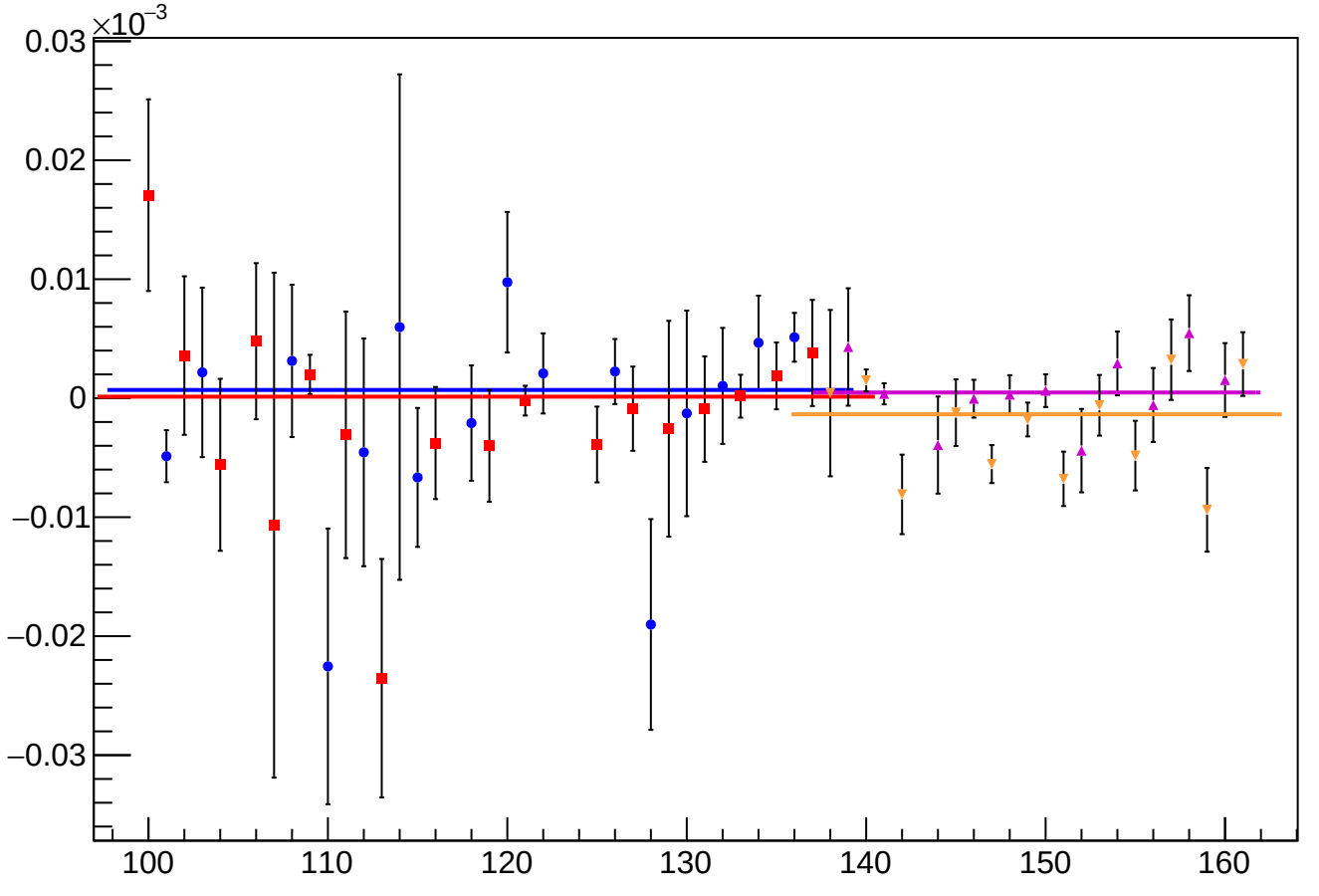
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.222+/-0.008 χ^2/NDF:1751450.9/26

Out: 38.471+/-0.008 χ^2/NDF:1779953.3/29

All: 39.324+/-0.005 χ^2/NDF: 3557310.0/56

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:37.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

Left: -0.000+/-0.000 χ^2/NDF: 50.1/22

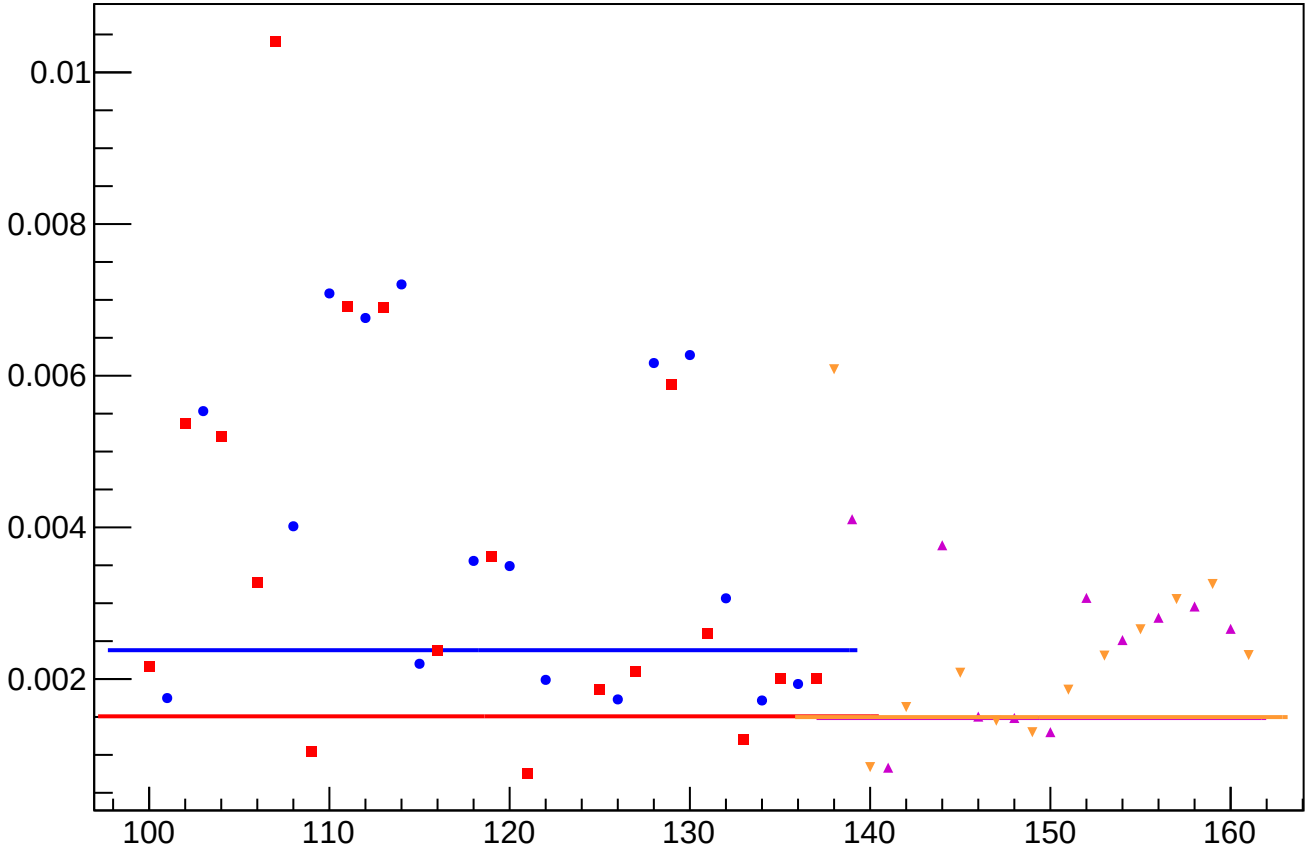
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:33.9/26

Out: -0.000+/-0.000 χ^2/NDF:57.4/29

All: -0.000+/-0.000 χ^2/NDF: 95.2/56

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:3700155.0/11

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:4092936.5/10

Left: 0.001+/-0.000 χ^2/NDF: 7793586.6/22

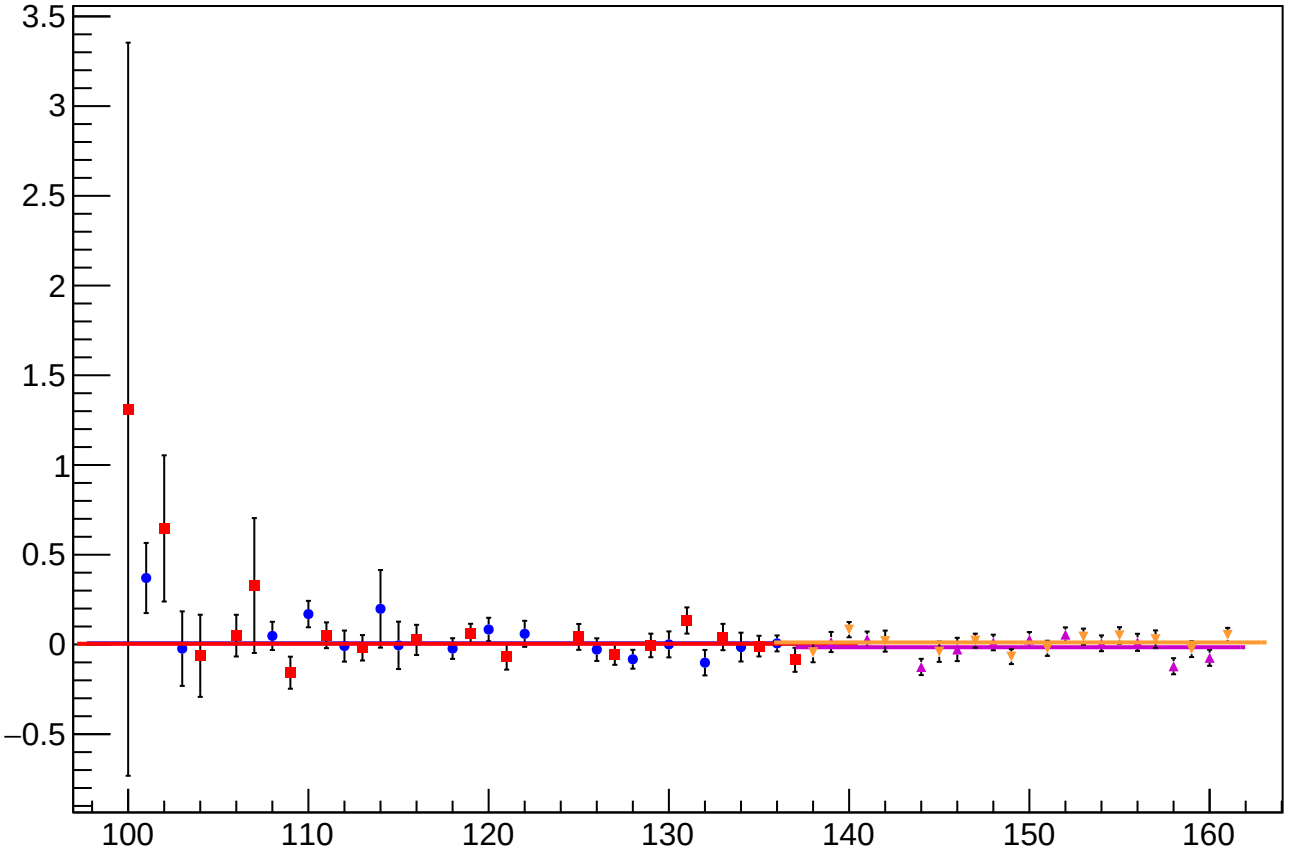
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8113280.1/26

Out: 0.002+/-0.000 χ^2/NDF:8702065.5/29

All: 0.002+/-0.000 χ^2/NDF: 16981217.5/56

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: 0.011+/-0.013 χ^2/NDF:12.0/11

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.002+/-0.010 χ^2/NDF: 33.6/22

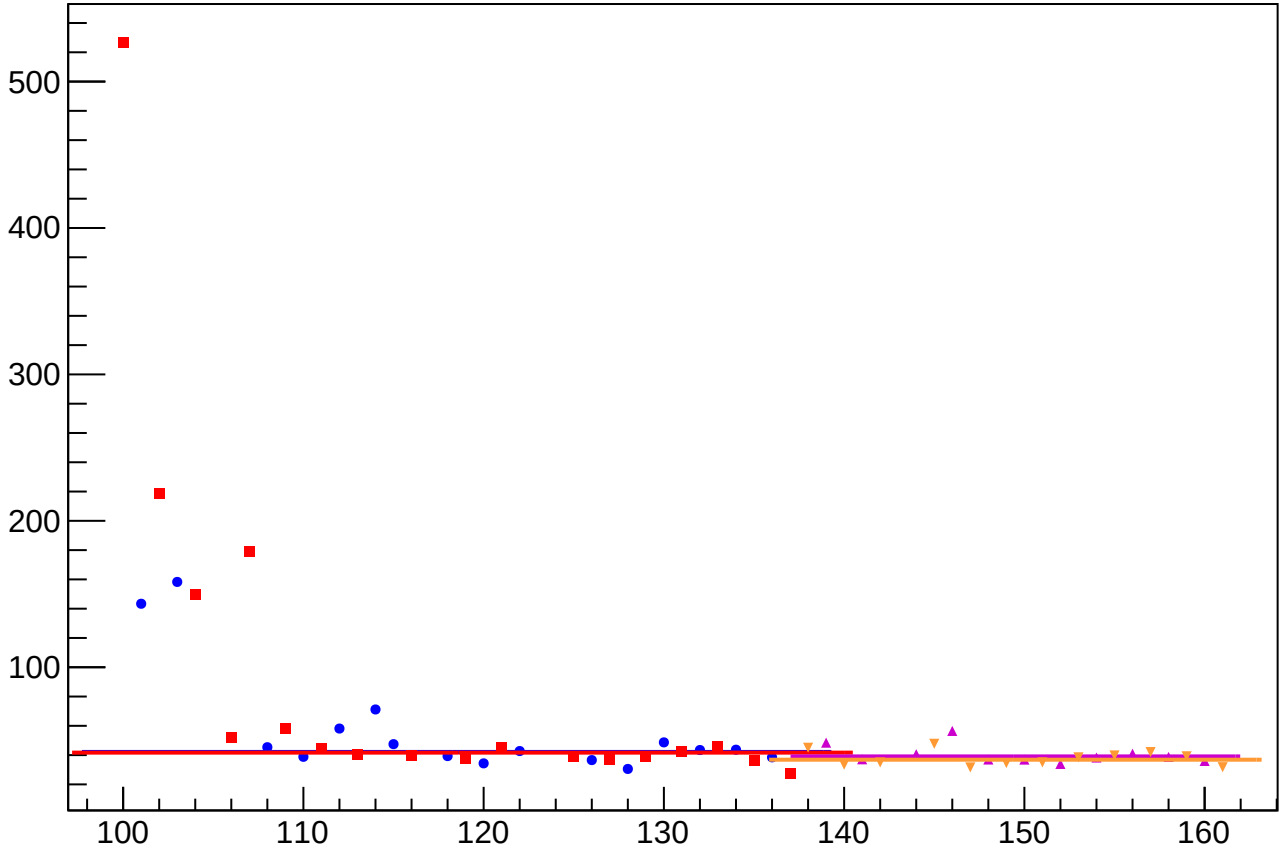
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.009+/-0.011 χ^2/NDF:28.4/29

All: 0.001+/-0.008 χ^2/NDF: 67.2/56

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: 36.857+/-0.009 χ^2/NDF:248581.7/11

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.110+/-0.010 χ^2/NDF:261481.8/10

Left: 37.929+/-0.007 χ^2/NDF: 537973.5/22

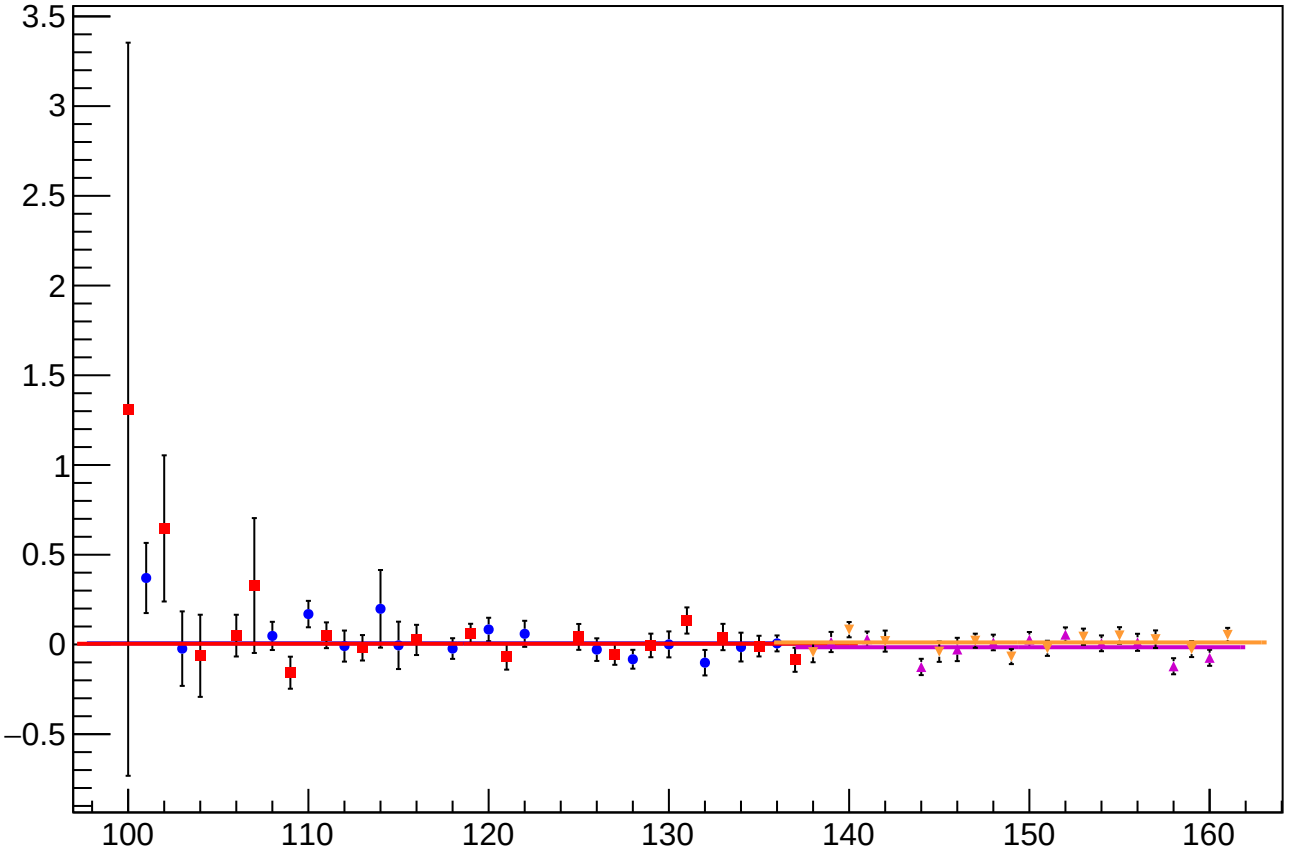
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.221+/-0.008 χ^2/NDF:1751641.9/26

Out: 38.471+/-0.008 χ^2/NDF:1779927.3/29

All: 39.324+/-0.005 χ^2/NDF: 3557443.8/56

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: 0.011+/-0.013 χ^2/NDF:12.0/11

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.016+/-0.014 χ^2/NDF:19.6/10

Left: -0.002+/-0.010 χ^2/NDF: 33.6/22

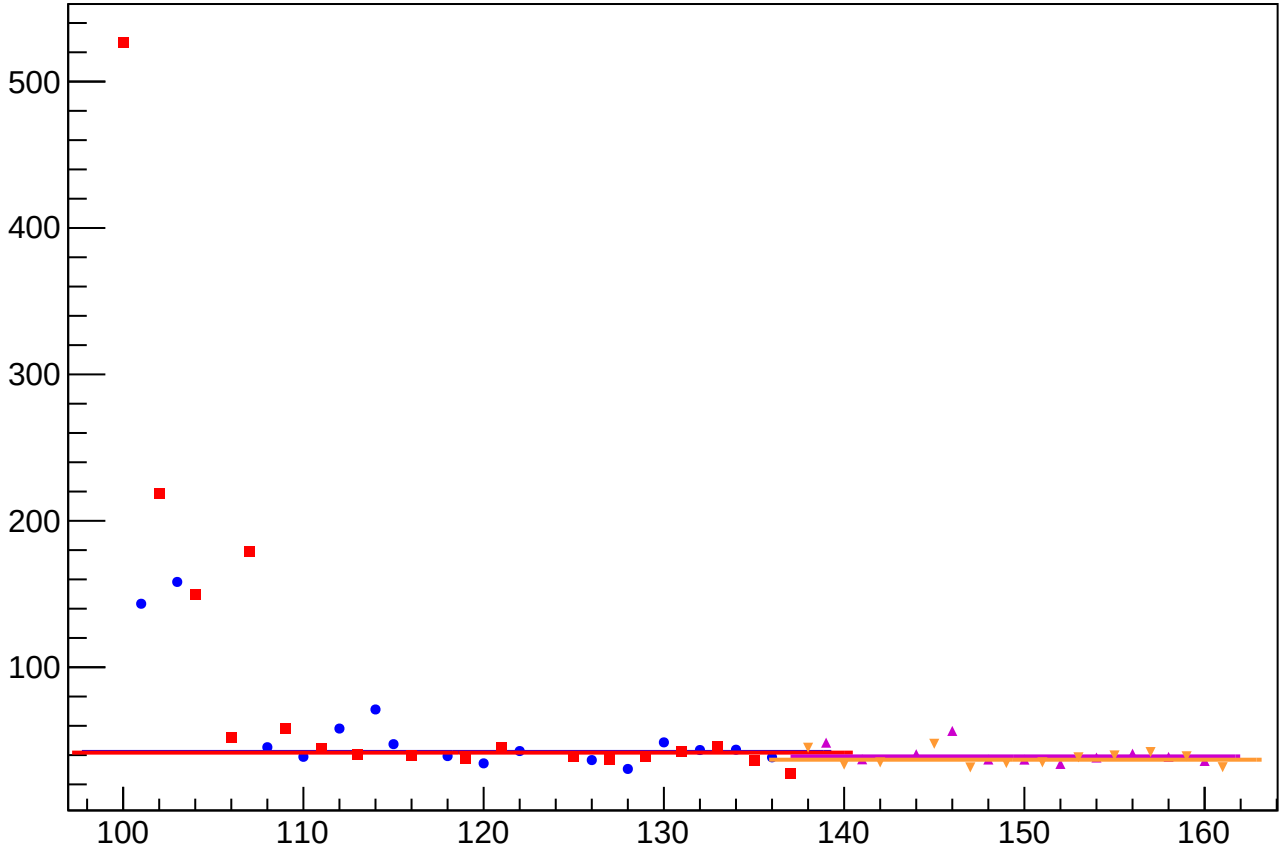
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.008+/-0.011 χ^2/NDF:37.7/26

Out: 0.009+/-0.011 χ^2/NDF:28.4/29

All: 0.001+/-0.008 χ^2/NDF: 67.2/56

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: 36.857+/-0.009 χ^2/NDF:248581.7/11

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.110+/-0.010 χ^2/NDF:261481.8/10

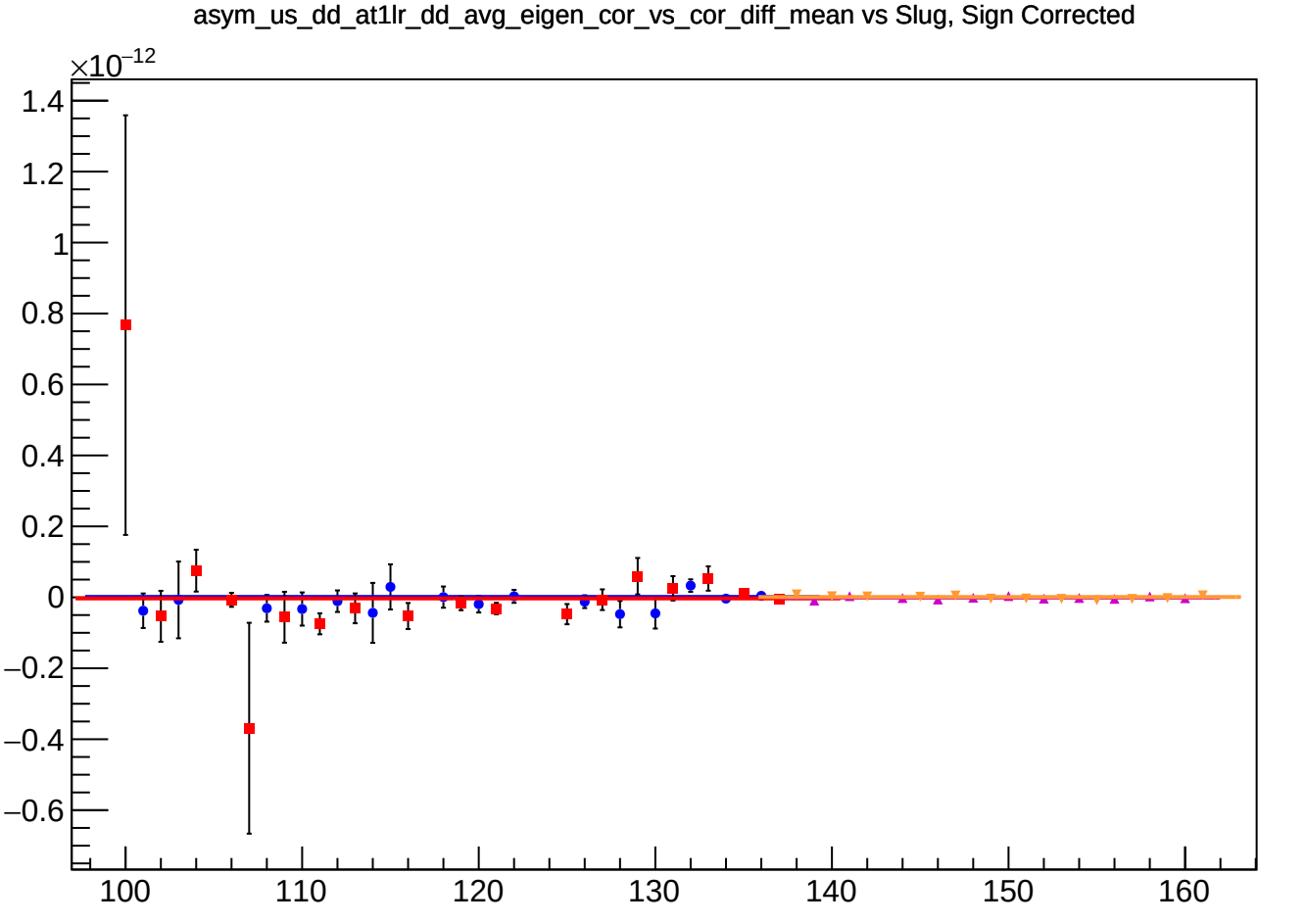
Left: 37.929+/-0.007 χ^2/NDF: 537973.5/22

Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.221+/-0.008 χ^2/NDF:1751641.9/26

Out: 38.471+/-0.008 χ^2/NDF:1779927.3/29

All: 39.324+/-0.005 χ^2/NDF: 3557443.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

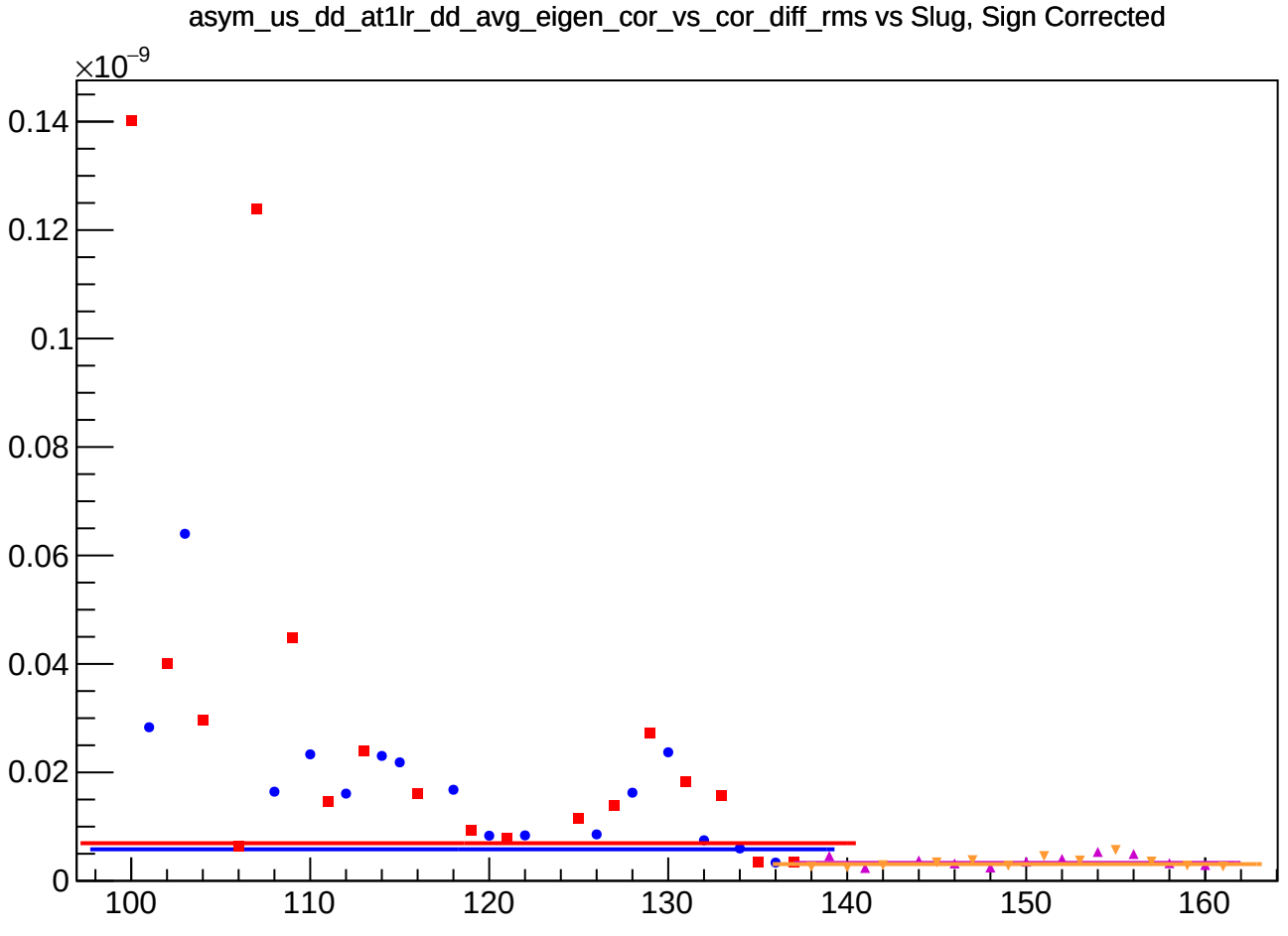
Left: 0.000+/-0.000 χ^2/NDF: 16.9/22

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:17.0/26

Out: 0.000+/-0.000 χ^2/NDF:39.5/29

All: -0.000+/-0.000 χ^2/NDF: 56.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:503375.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:640026.1/10

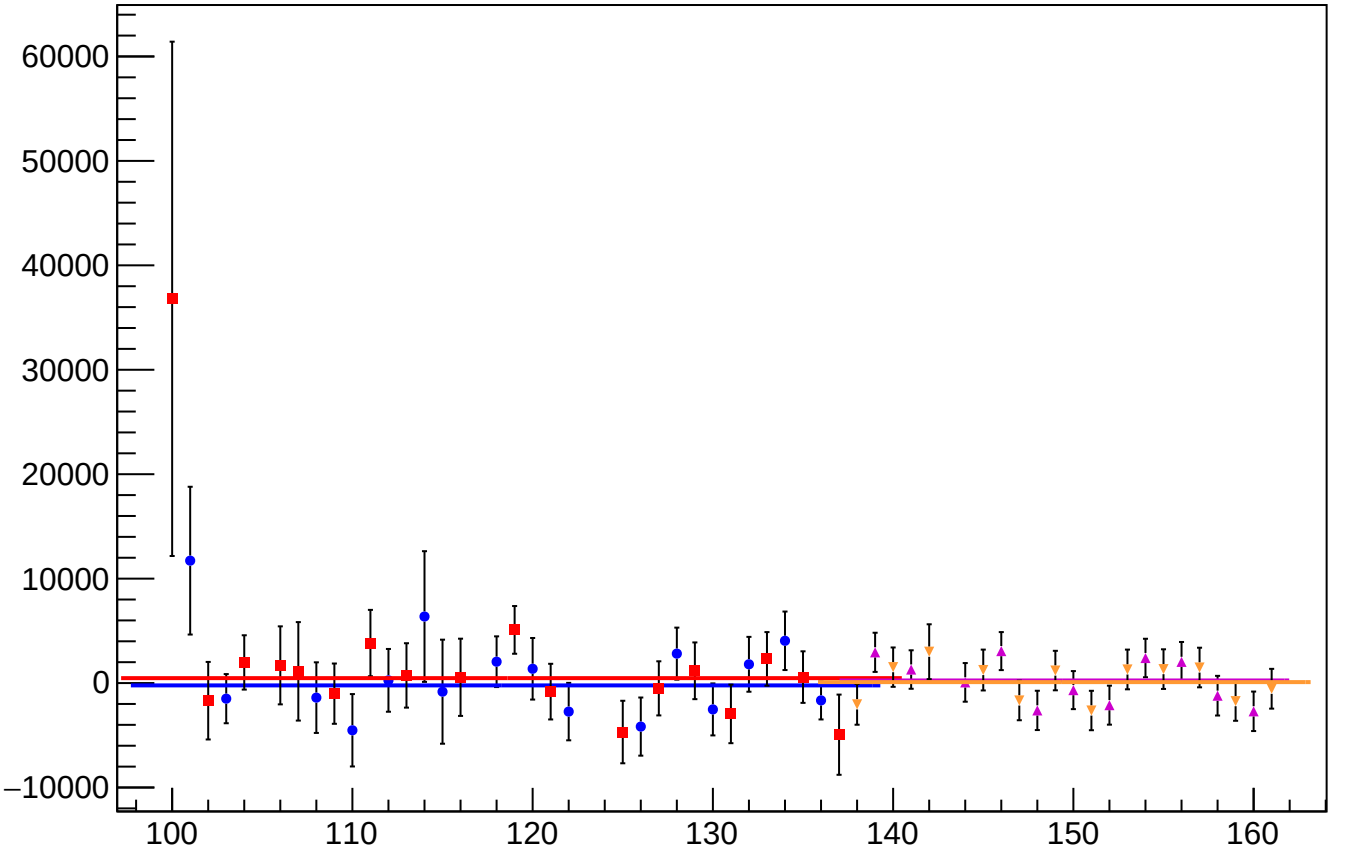
Left: 0.000+/-0.000 χ^2/NDF: 1167824.2/22

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4649745.9/26

Out: 0.000+/-0.000 χ^2/NDF:5508753.6/29

All: 0.000+/-0.000 χ^2/NDF: 10187291.8/56



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 92.192+/-560.742 χ^2/NDF:9.1/11

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 248.782+/-561.618 χ^2/NDF:14.2/10

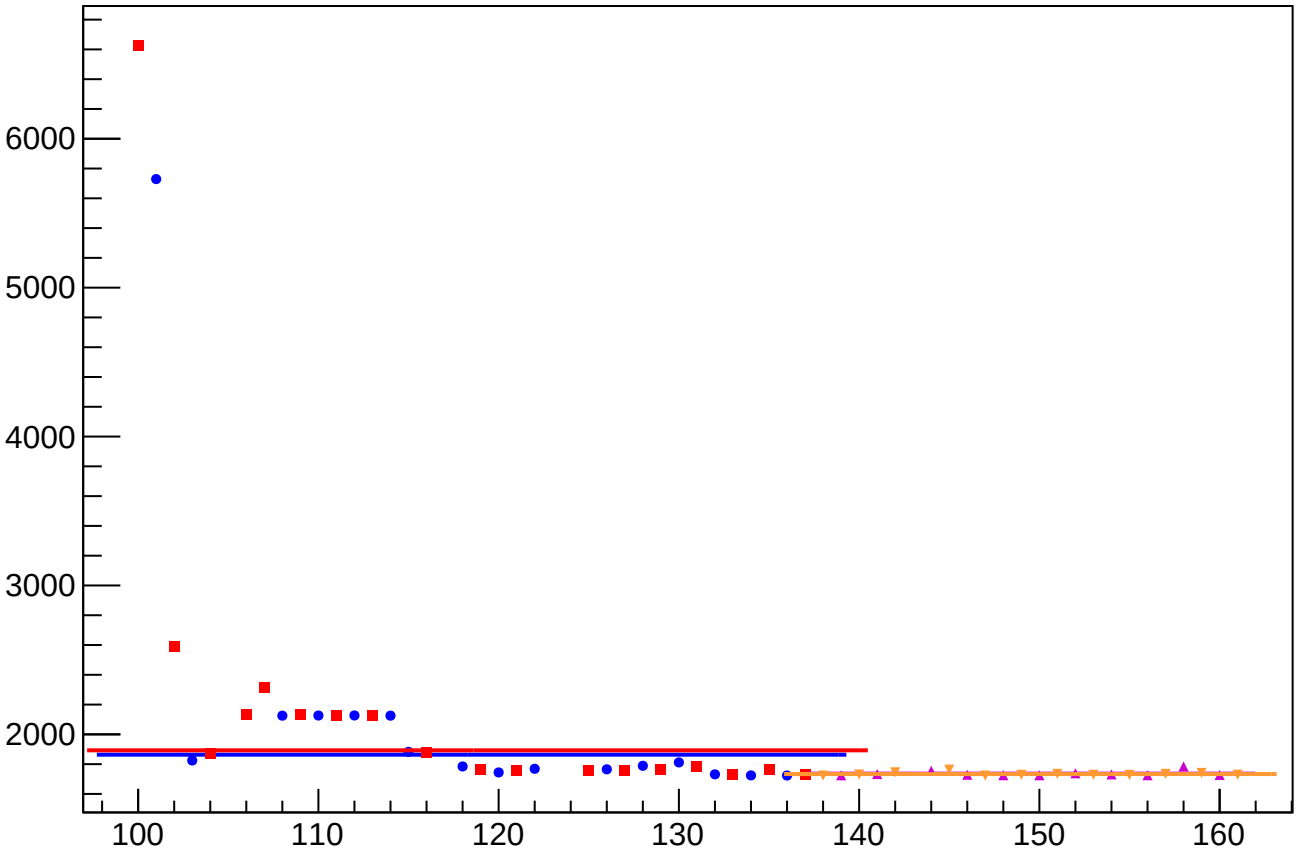
Left: 170.365+/-396.814 χ^2/NDF: 23.3/22

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 66.943+/-440.272 χ^2/NDF:30.3/26

Out: 237.876+/-440.402 χ^2/NDF:25.1/29

All: 152.384+/-311.365 χ^2/NDF: 55.5/56



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.486+/-0.397 χ^2/NDF:709.6/11

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

Left: 1734.937+/-0.281 χ^2/NDF: 2618.7/22

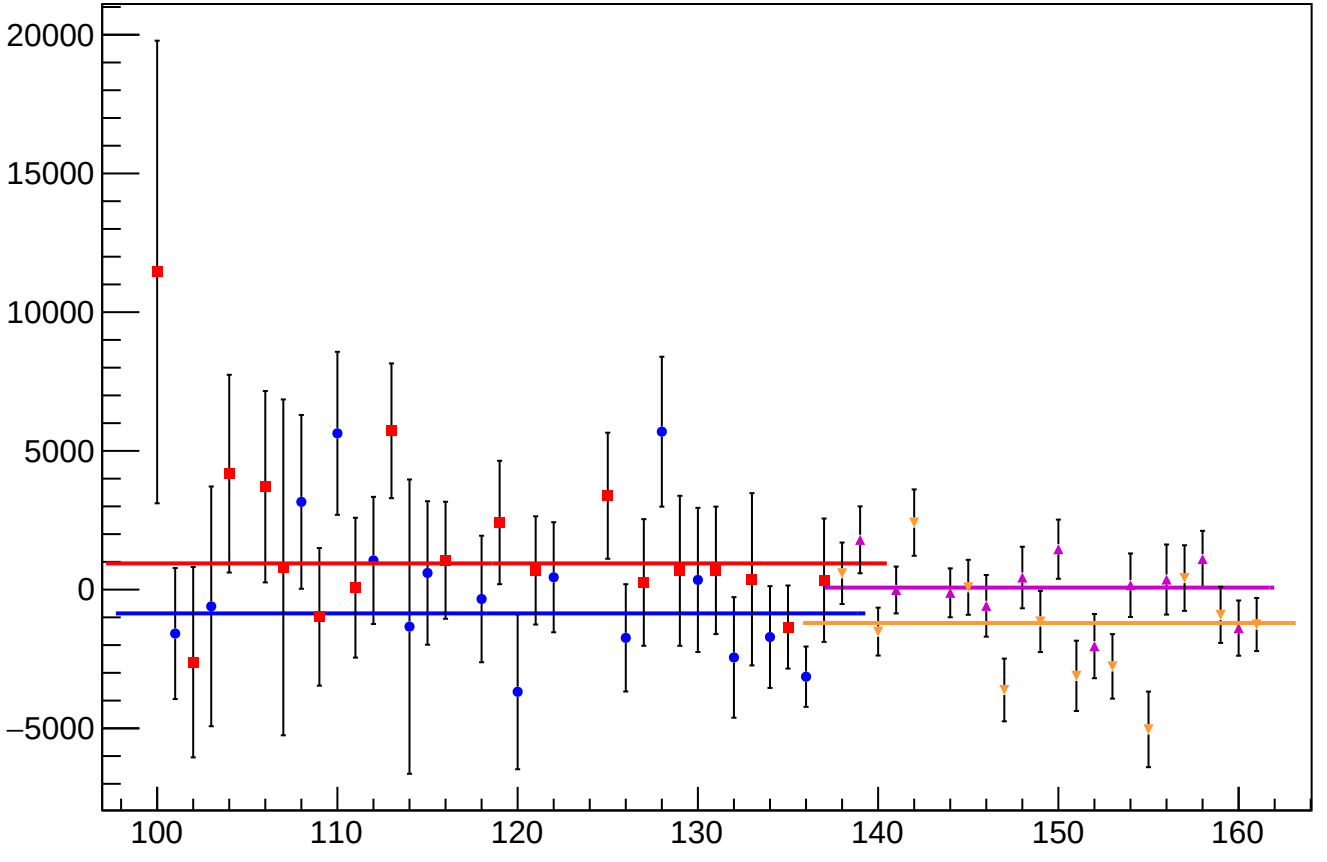
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1785.417+/-0.311 χ^2/NDF:716085.2/26

Out: 1794.554+/-0.311 χ^2/NDF:314130.7/29

All: 1789.984+/-0.220 χ^2/NDF: 1030646.5/56

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: -1201.933+/-313.640 χ^2/NDF:32.1/11

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 72.174+/-316.335 χ^2/NDF:10.8/10

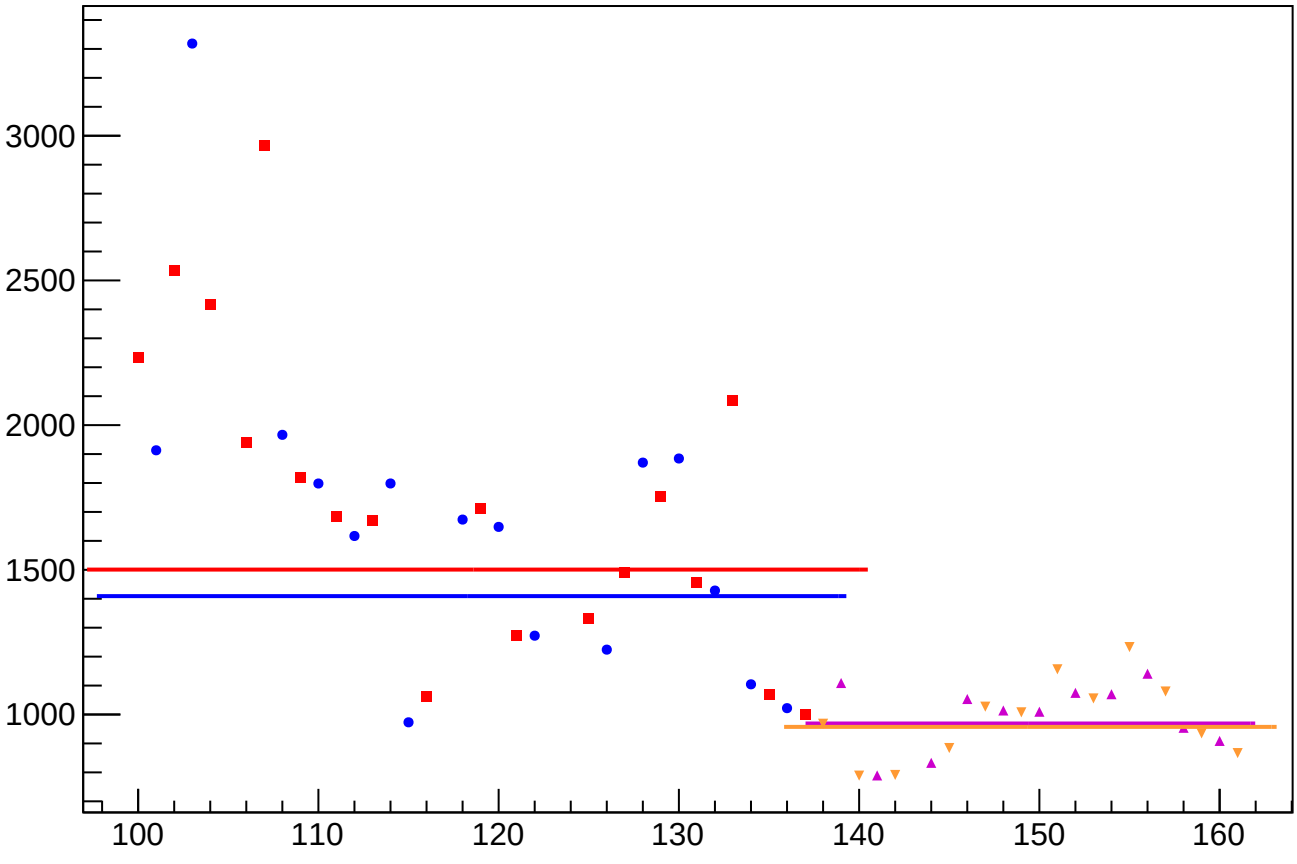
Left: -570.329+/-222.724 χ^2/NDF: 51.1/22

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -158.999+/-274.188 χ^2/NDF:33.5/26

Out: -721.341+/-276.310 χ^2/NDF:55.5/29

All: -438.003+/-194.626 χ^2/NDF: 91.1/56



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 957.231+/-0.222 χ^2/NDF:323486.6/11

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 968.920+/-0.224 χ^2/NDF:259965.7/10

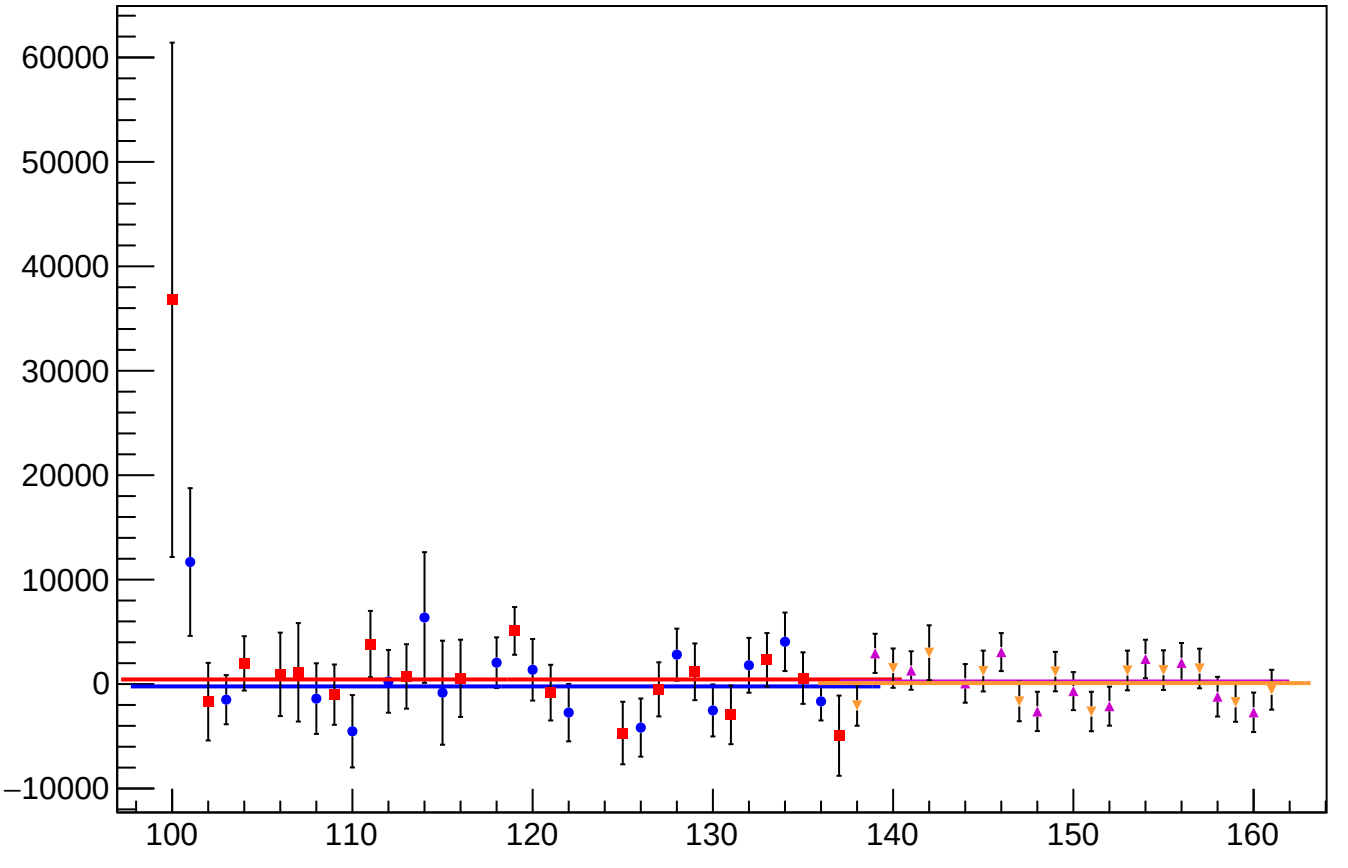
Left: 963.026+/-0.157 χ^2/NDF: 584829.3/22

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1078.399+/-0.194 χ^2/NDF:2390814.5/26

Out: 1078.926+/-0.195 χ^2/NDF:2699160.3/29

All: 1078.660+/-0.138 χ^2/NDF: 5089978.5/56



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 92.303+/-560.742 χ^2/NDF:9.1/11

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 248.756+/-561.618 χ^2/NDF:14.2/10

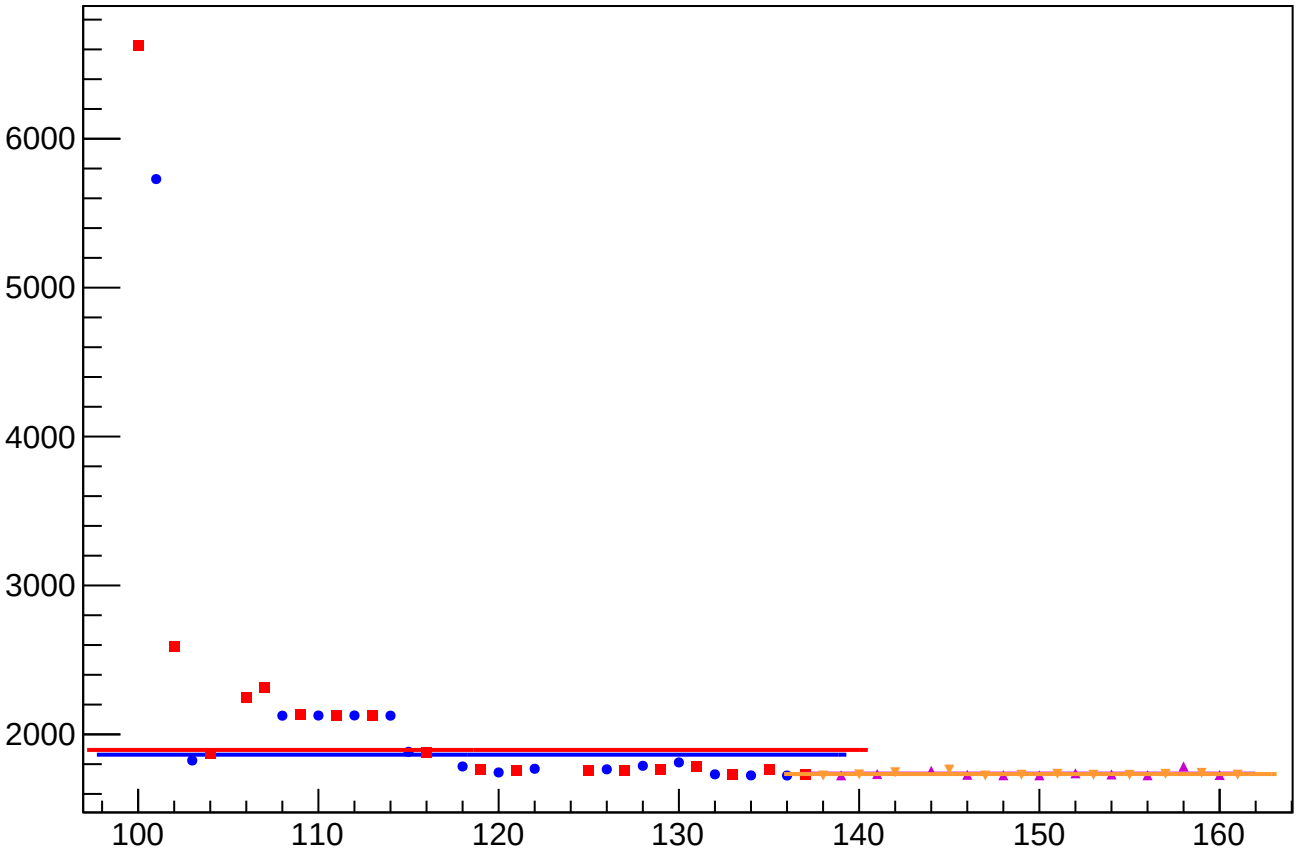
Left: 170.407+/-396.814 χ^2/NDF: 23.3/22

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 66.629+/-440.272 χ^2/NDF:30.3/26

Out: 226.307+/-440.786 χ^2/NDF:25.0/29

All: 146.374+/-311.501 χ^2/NDF: 55.4/56



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.487+/-0.397 χ^2/NDF:709.6/11

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

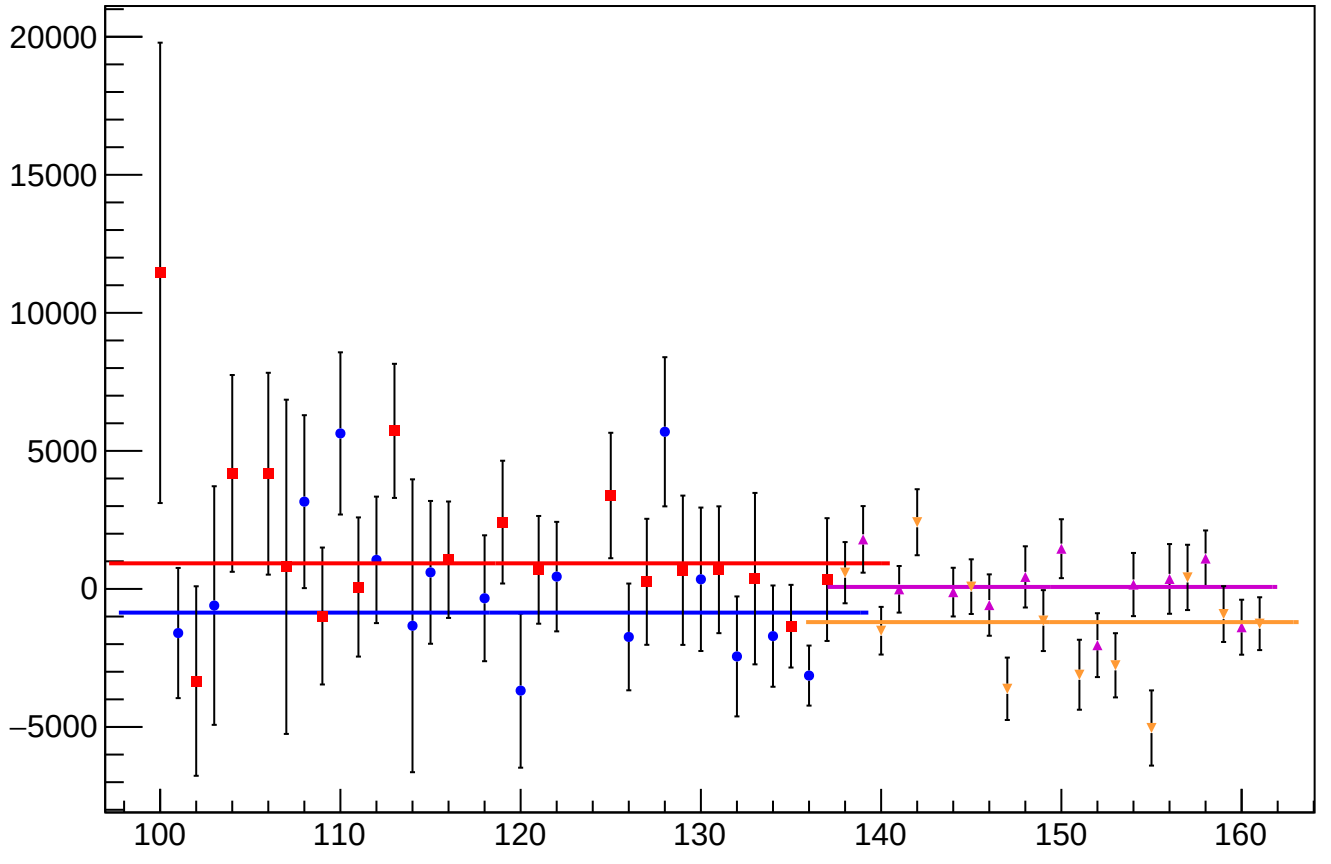
Left: 1734.937+/-0.281 χ^2/NDF: 2618.7/22

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1785.417+/-0.311 χ^2/NDF:716085.1/26

Out: 1795.386+/-0.312 χ^2/NDF:323666.3/29

All: 1790.395+/-0.220 χ^2/NDF: 1040263.6/56



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1201.896+/-313.640 χ^2/NDF:32.1/11

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 72.183+/-316.333 χ^2/NDF:10.8/10

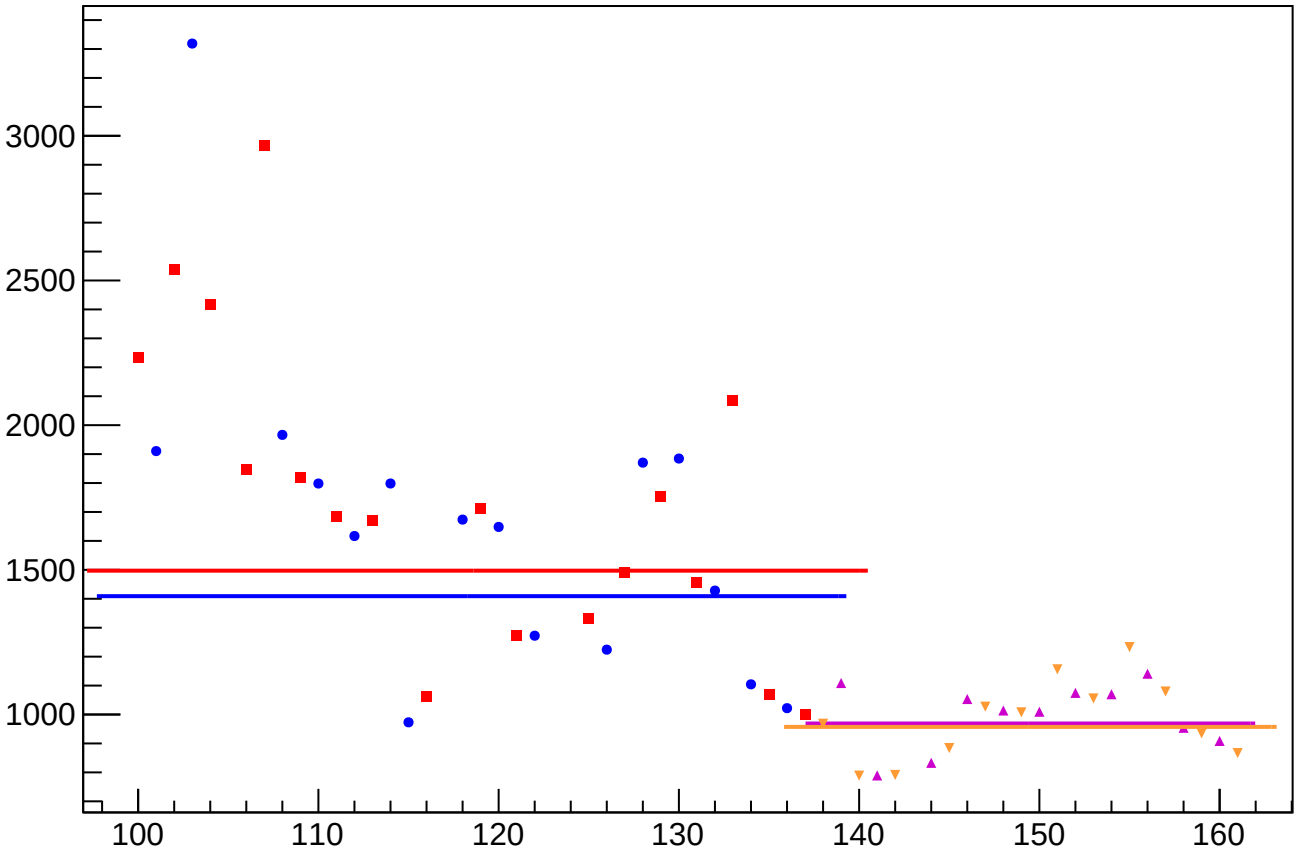
Left: -570.303+/-222.723 χ^2/NDF: 51.1/22

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -159.222+/-274.182 χ^2/NDF:33.6/26

Out: -726.399+/-276.407 χ^2/NDF:55.9/29

All: -440.519+/-194.658 χ^2/NDF: 91.6/56



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 957.231+/-0.222 χ^2/NDF:323457.4/11

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

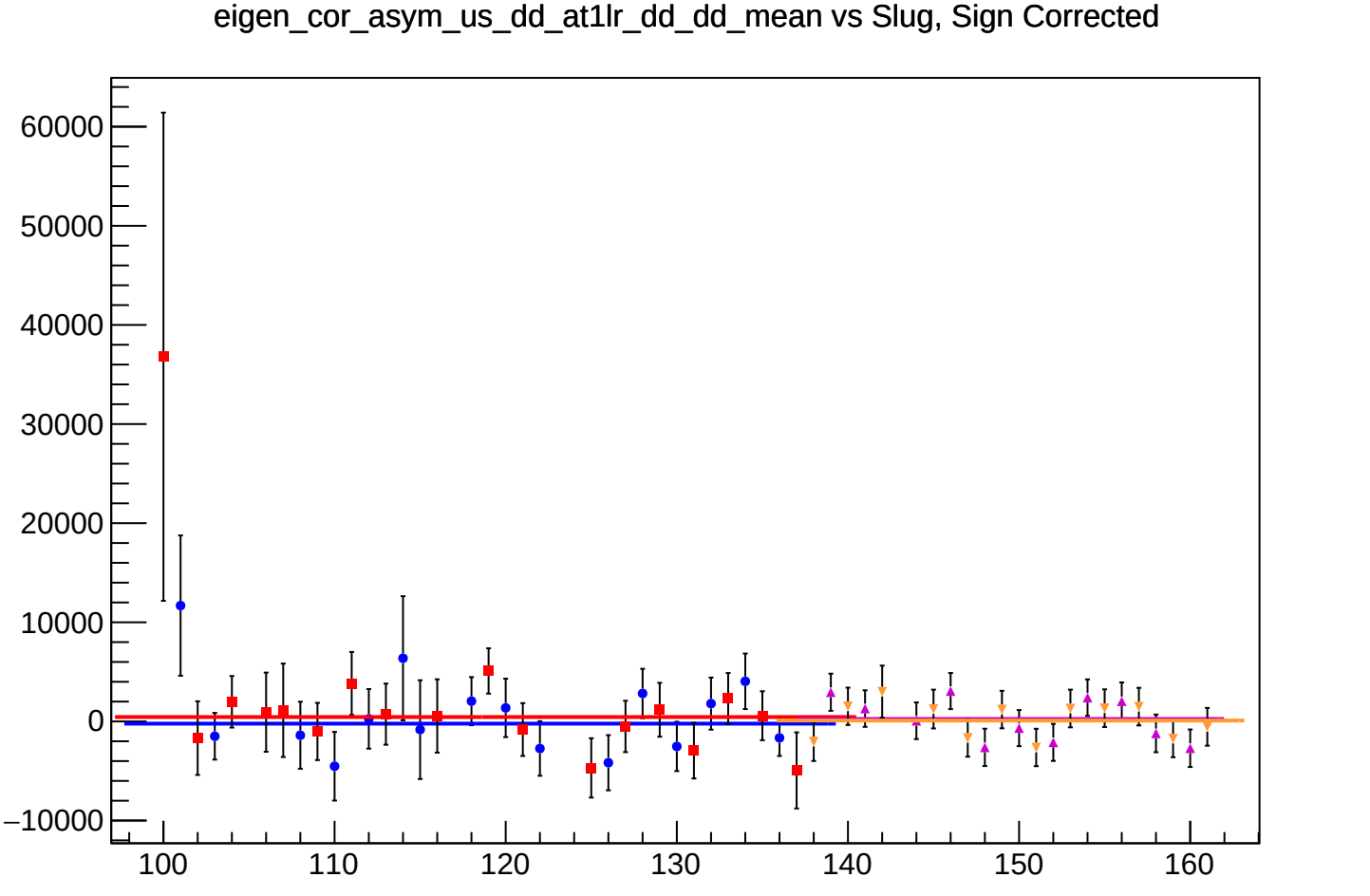
Left: 963.023+/-0.157 χ^2/NDF: 584817.2/22

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1078.388+/-0.194 χ^2/NDF:2389990.0/26

Out: 1077.813+/-0.195 χ^2/NDF:2665240.3/29

All: 1078.103+/-0.138 χ^2/NDF: 5055234.7/56



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 92.303+/-560.742 χ^2/NDF:9.1/11

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 248.756+/-561.618 χ^2/NDF:14.2/10

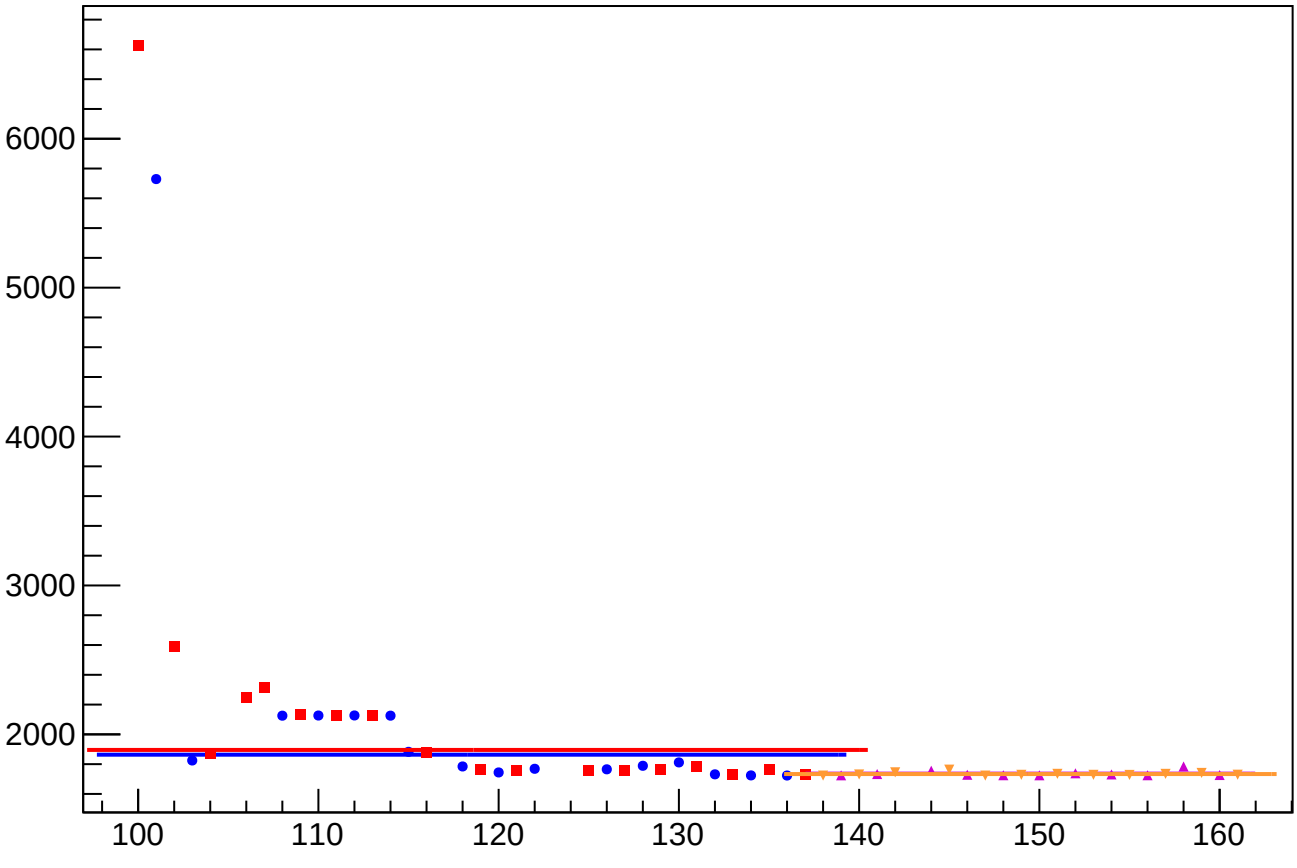
Left: 170.407+/-396.814 χ^2/NDF: 23.3/22

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 66.629+/-440.272 χ^2/NDF:30.3/26

Out: 226.307+/-440.786 χ^2/NDF:25.0/29

All: 146.374+/-311.501 χ^2/NDF: 55.4/56



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.487+/-0.397 χ^2/NDF:709.6/11

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

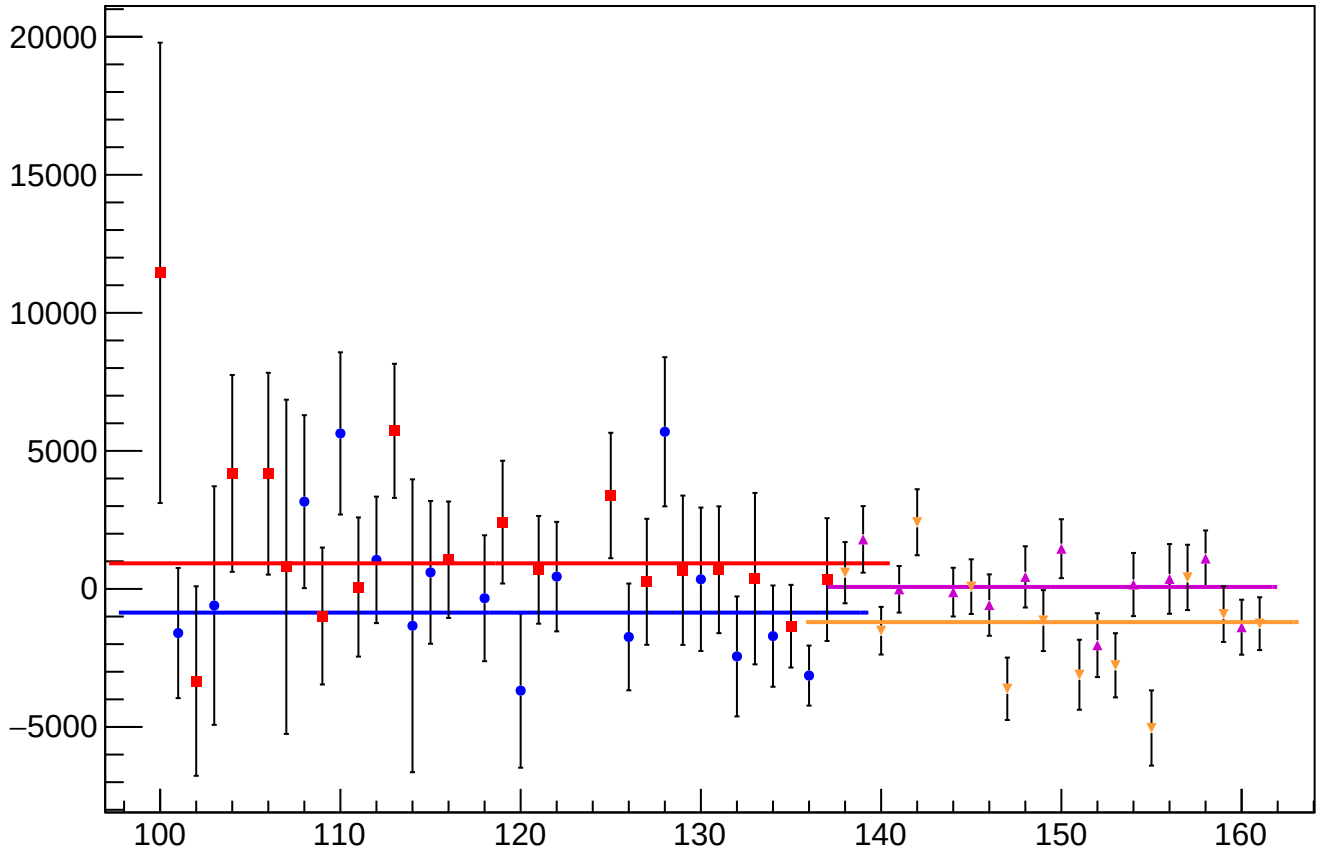
Left: 1734.937+/-0.281 χ^2/NDF: 2618.7/22

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1785.417+/-0.311 χ^2/NDF:716085.1/26

Out: 1795.386+/-0.312 χ^2/NDF:323666.3/29

All: 1790.395+/-0.220 χ^2/NDF: 1040263.6/56



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1201.896+/-313.640 χ^2/NDF:32.1/11

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 72.183+/-316.333 χ^2/NDF:10.8/10

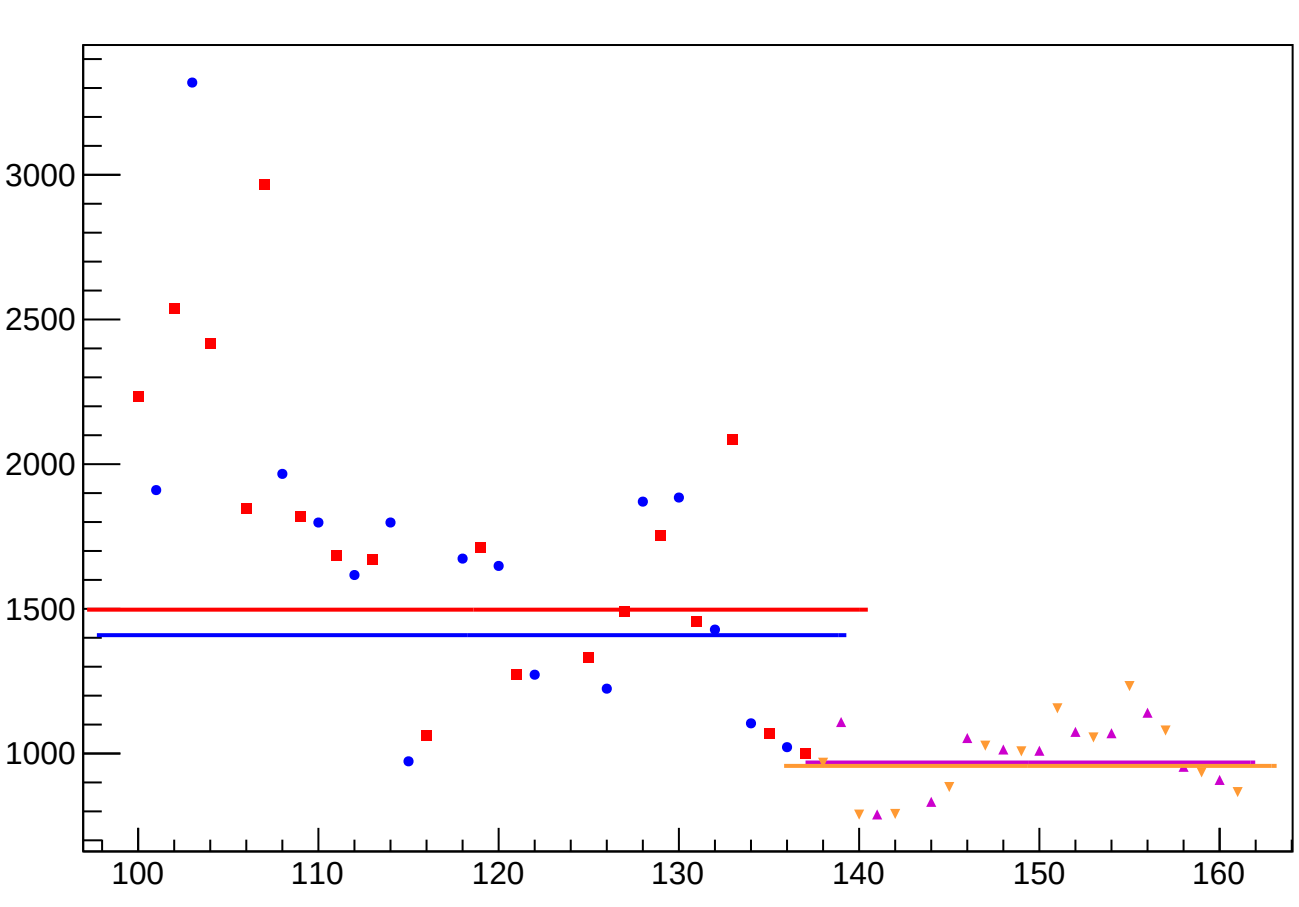
Left: -570.303+/-222.723 χ^2/NDF: 51.1/22

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -159.222+/-274.182 χ^2/NDF:33.6/26

Out: -726.399+/-276.407 χ^2/NDF:55.9/29

All: -440.519+/-194.658 χ^2/NDF: 91.6/56



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 957.231+/-0.222 χ^2/NDF:323457.4/11

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

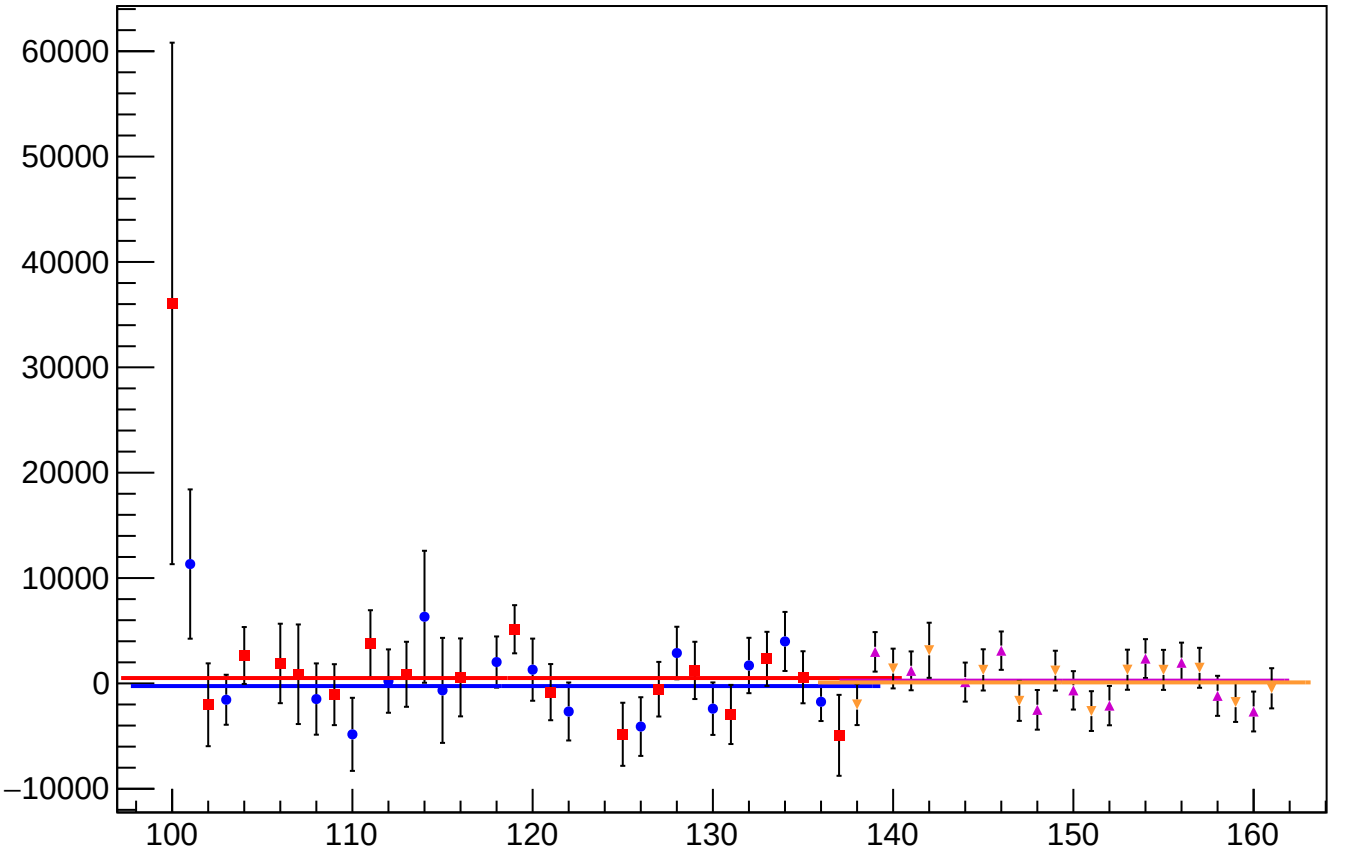
Left: 963.023+/-0.157 χ^2/NDF: 584817.2/22

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1078.388+/-0.194 χ^2/NDF:2389990.0/26

Out: 1077.813+/-0.195 χ^2/NDF:2665240.3/29

All: 1078.103+/-0.138 χ^2/NDF: 5055234.7/56



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 95.717+/-560.932 χ^2/NDF:9.1/11

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 262.335+/-561.881 χ^2/NDF:13.9/10

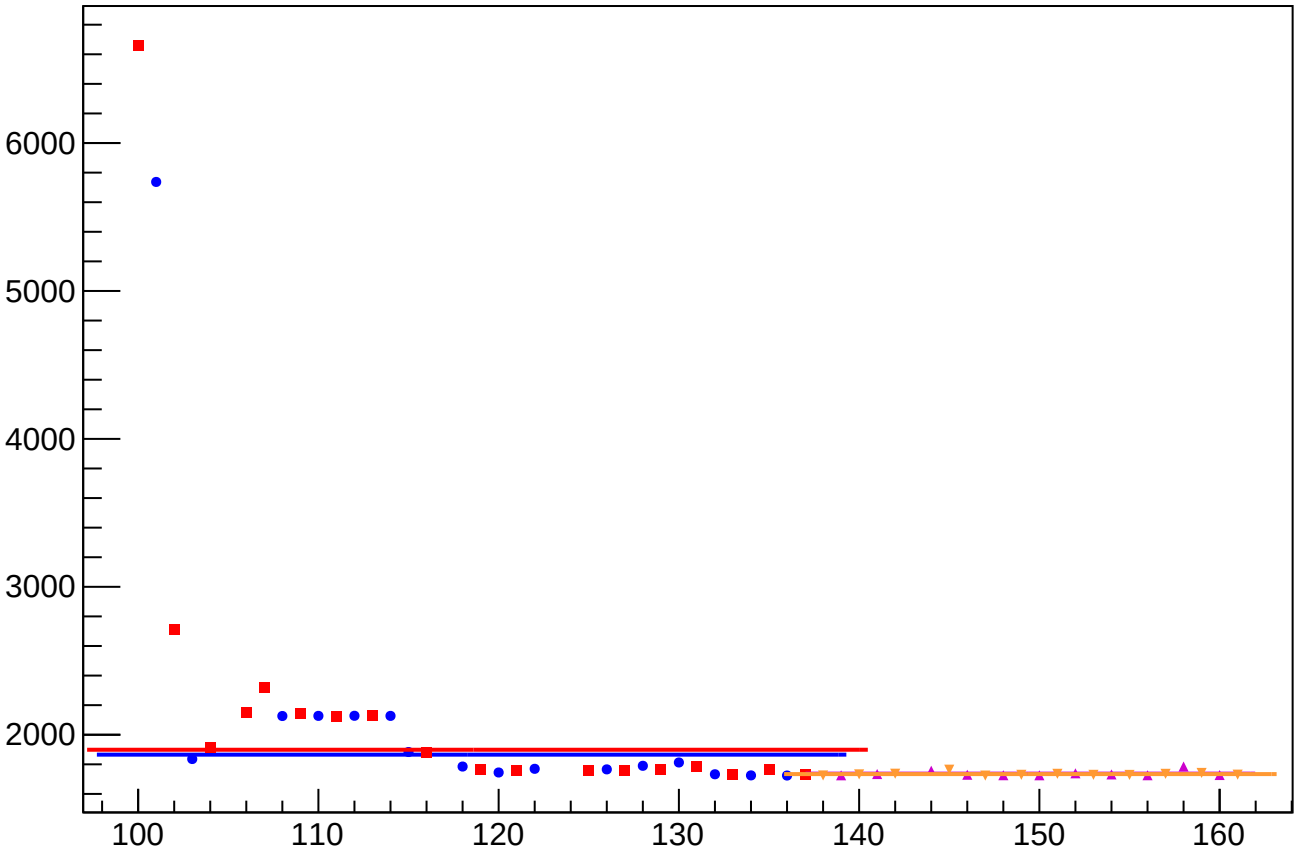
Left: 178.885+/-396.974 χ^2/NDF: 23.0/22

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 64.245+/-440.595 χ^2/NDF:29.9/26

Out: 253.477+/-441.431 χ^2/NDF:25.7/29

All: 158.682+/-311.843 χ^2/NDF: 55.6/56



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.022+/-0.397 χ^2/NDF:659.9/11

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

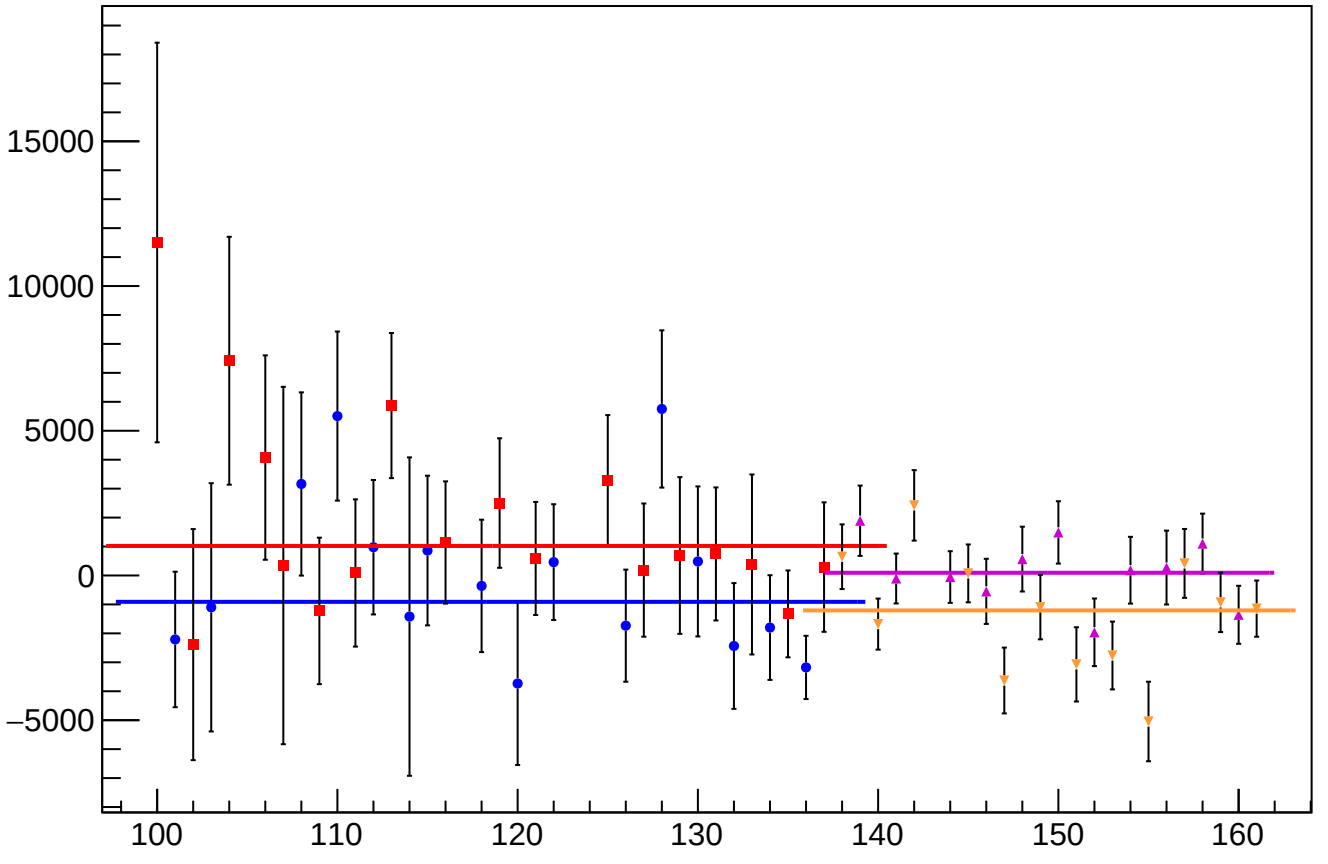
Left: 1735.611+/-0.281 χ^2/NDF: 2571.1/22

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1786.591+/-0.312 χ^2/NDF:716987.0/26

Out: 1796.677+/-0.312 χ^2/NDF:335315.6/29

All: 1791.625+/-0.221 χ^2/NDF: 1052825.7/56



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1207.172+/-317.481 χ^2/NDF:31.7/11

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 93.629+/-320.101 χ^2/NDF:10.6/10

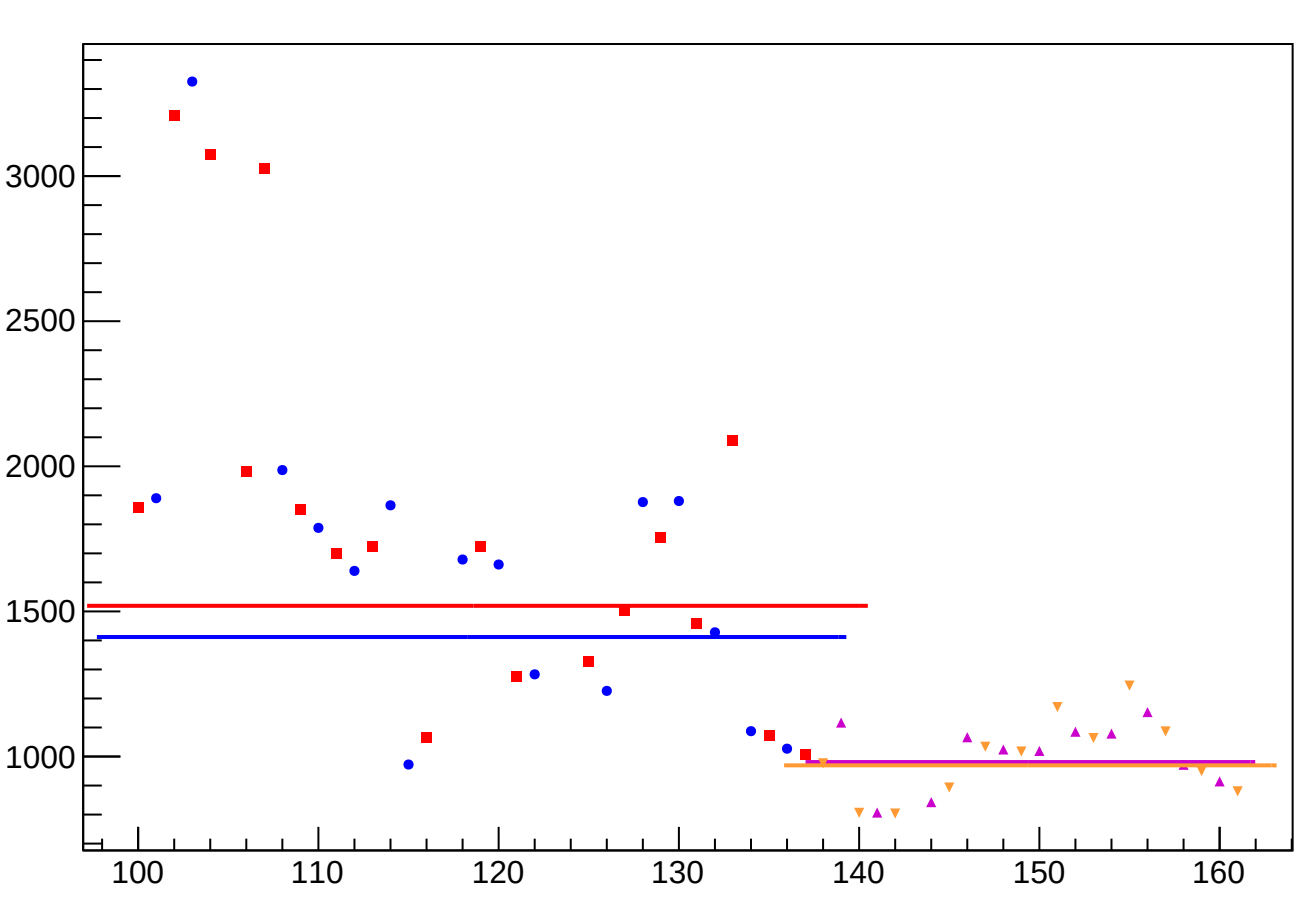
Left: -562.117+/-225.413 χ^2/NDF: 50.7/22

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -159.976+/-276.763 χ^2/NDF:34.1/26

Out: -709.156+/-279.744 χ^2/NDF:57.7/29

All: -431.624+/-196.746 χ^2/NDF: 93.7/56



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 969.585+/-0.224 χ^2/NDF:306614.9/11

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 981.001+/-0.226 χ^2/NDF:247583.3/10

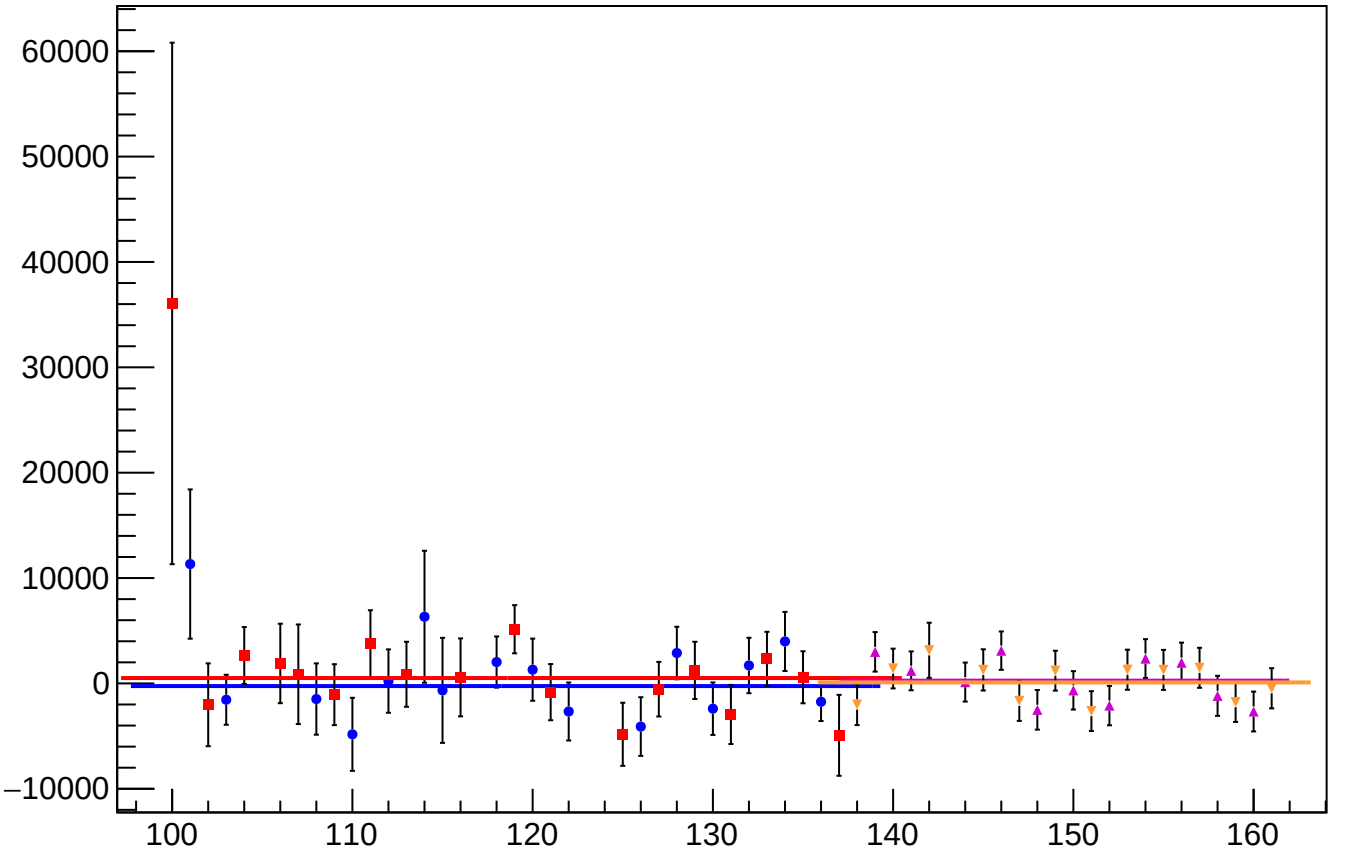
Left: 975.246+/-0.159 χ^2/NDF: 555480.5/22

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1089.742+/-0.196 χ^2/NDF:2339592.2/26

Out: 1092.501+/-0.198 χ^2/NDF:3007496.9/29

All: 1091.107+/-0.139 χ^2/NDF: 5347187.4/56



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 95.716+/-560.932 χ^2/NDF:9.1/11

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 262.336+/-561.881 χ^2/NDF:13.9/10

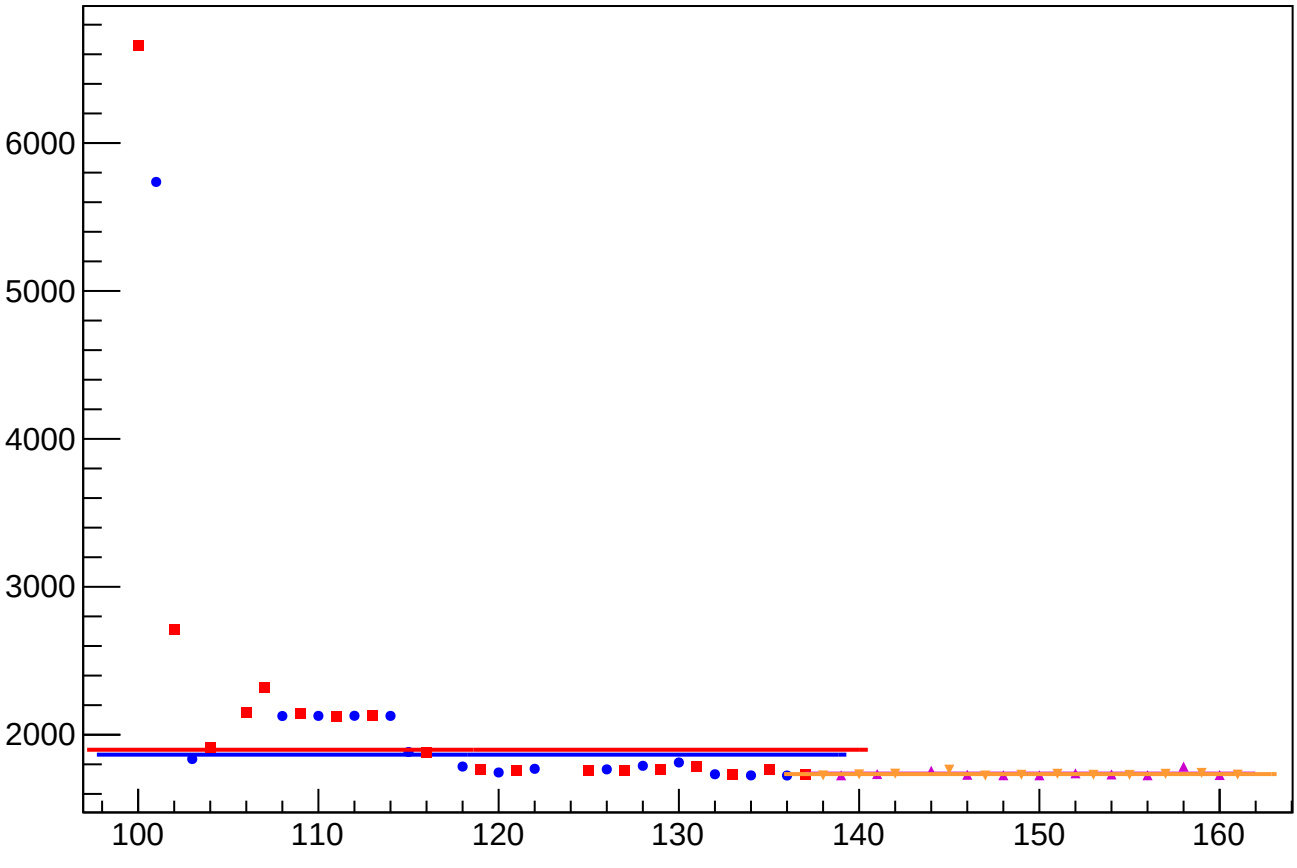
Left: 178.885+/-396.974 χ^2/NDF: 23.0/22

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 64.246+/-440.595 χ^2/NDF:29.9/26

Out: 253.476+/-441.431 χ^2/NDF:25.7/29

All: 158.682+/-311.843 χ^2/NDF: 55.6/56



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.022+/-0.397 χ^2/NDF:659.9/11

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

Left: 1735.611+/-0.281 χ^2/NDF: 2571.1/22

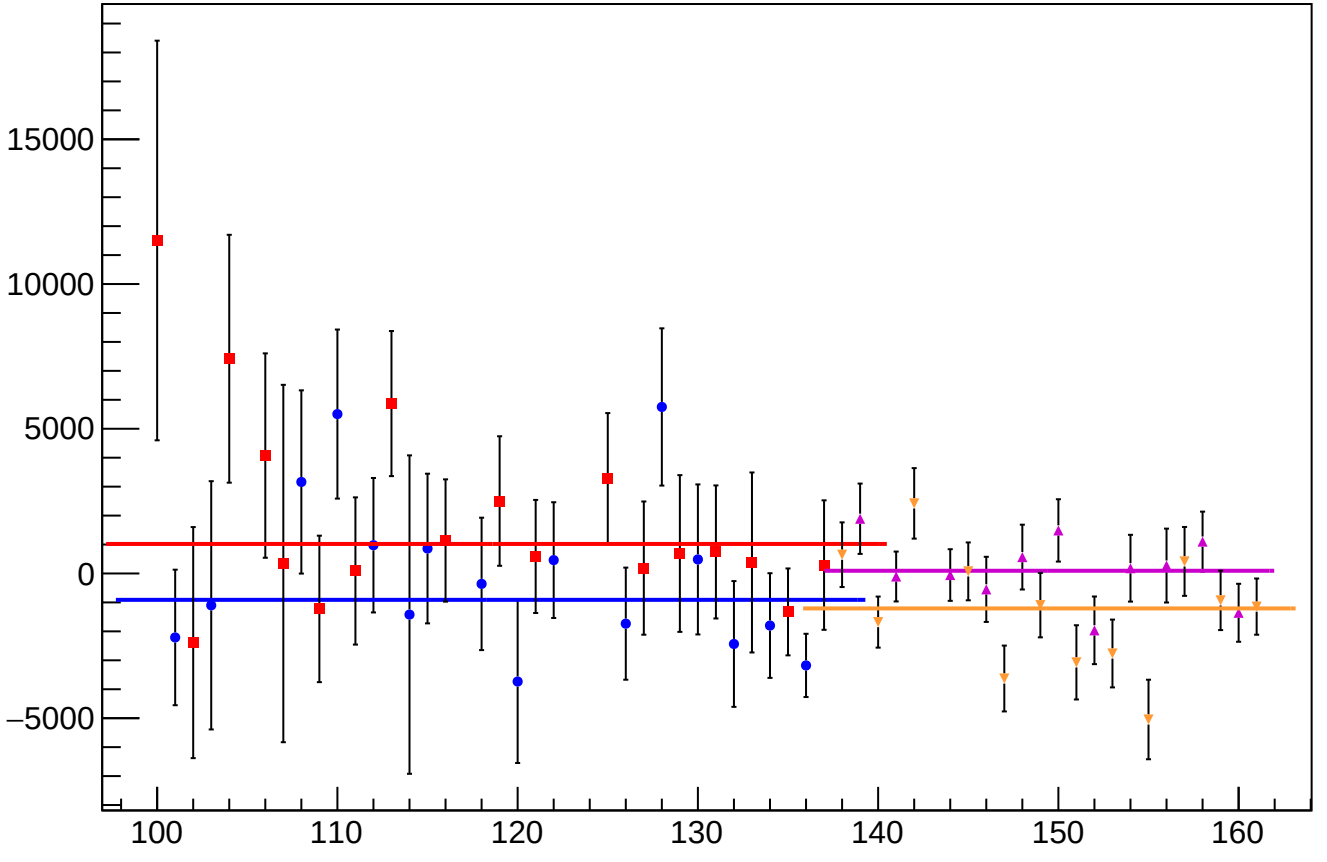
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1786.591+/-0.312 χ^2/NDF:716987.0/26

Out: 1796.677+/-0.312 χ^2/NDF:335315.3/29

All: 1791.625+/-0.221 χ^2/NDF: 1052825.4/56

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: -1207.170+/-317.481 χ^2/NDF:31.7/11

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 93.627+/-320.101 χ^2/NDF:10.6/10

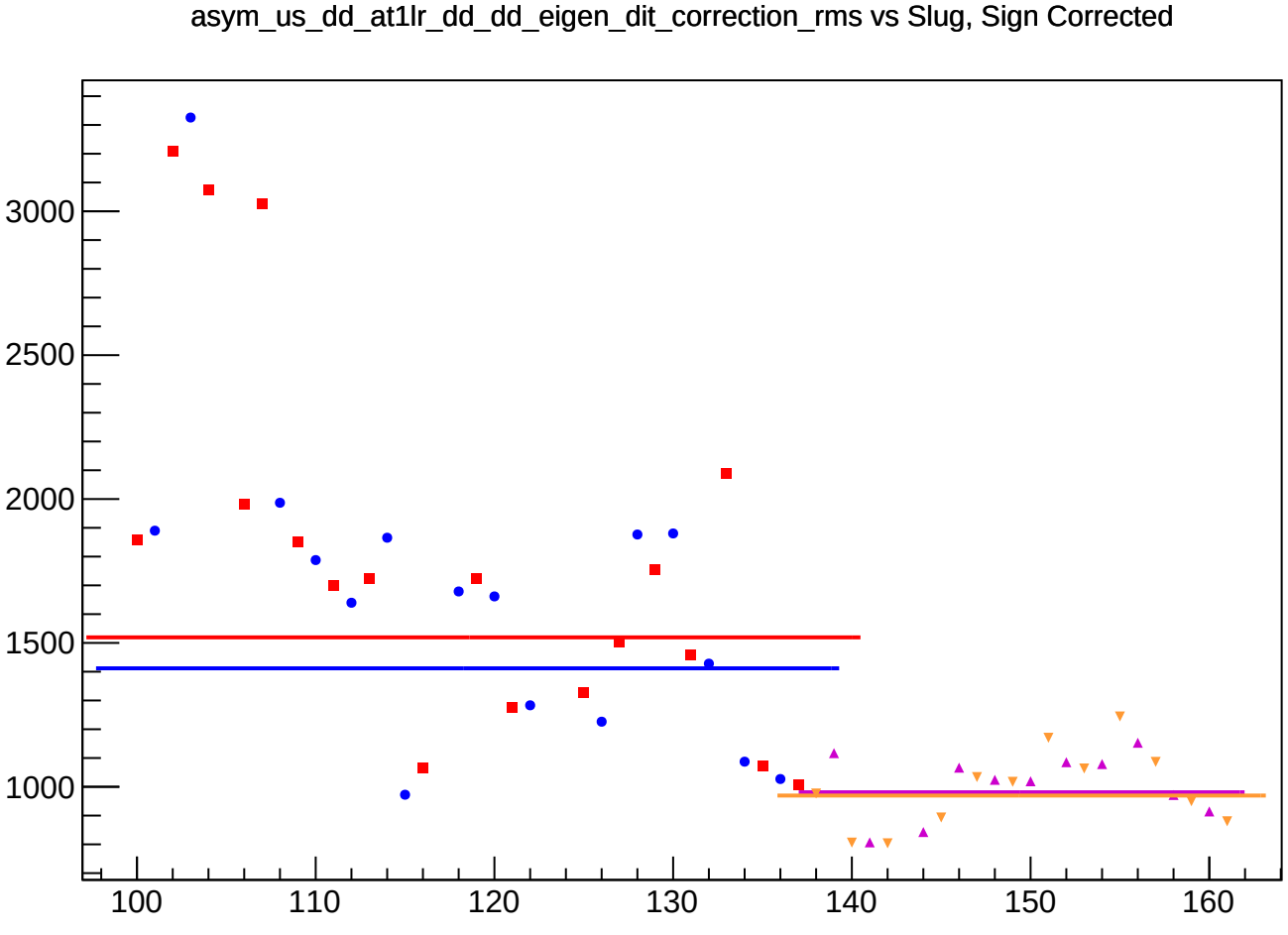
Left: -562.118+/-225.413 χ^2/NDF: 50.7/22

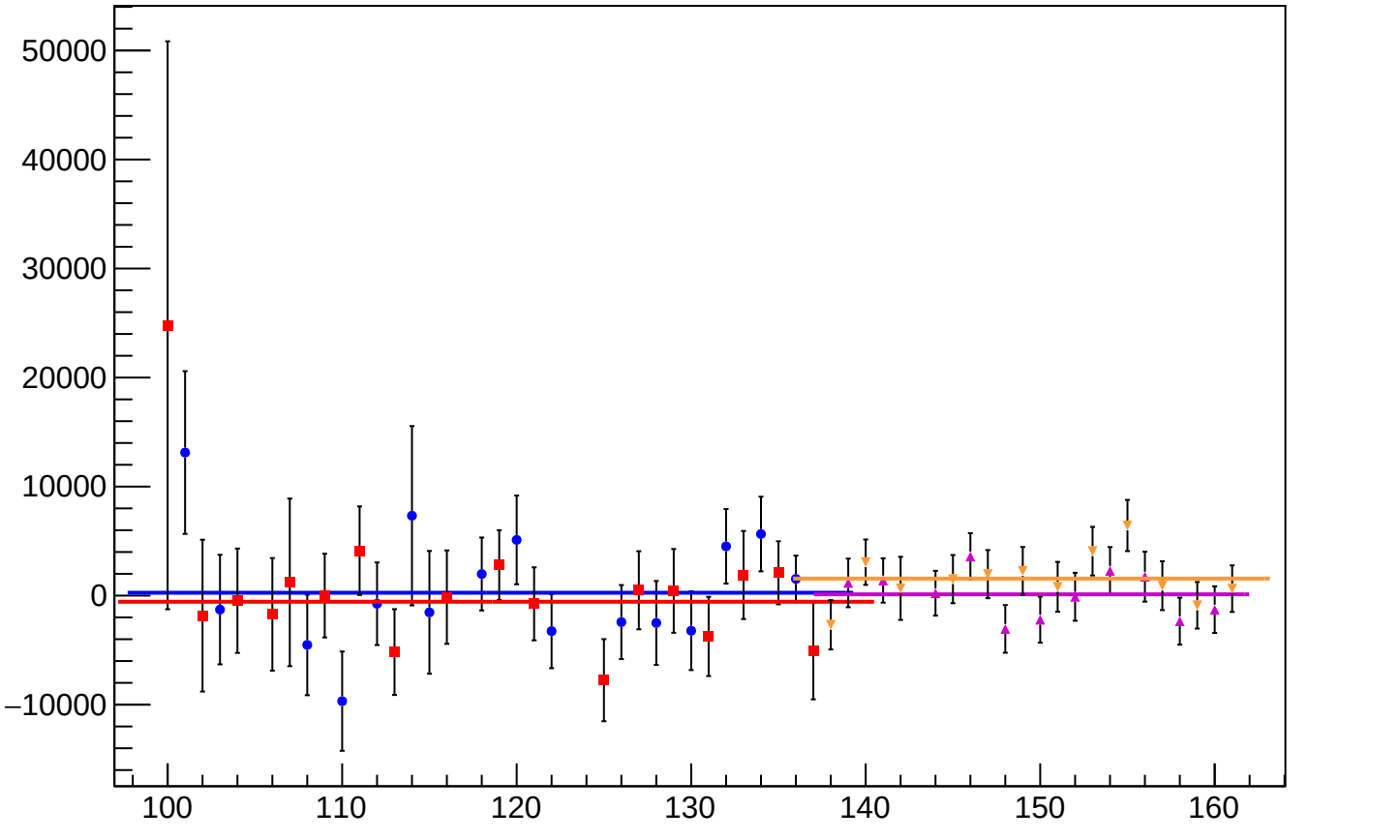
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -159.977+/-276.763 χ^2/NDF:34.1/26

Out: -709.153+/-279.744 χ^2/NDF:57.7/29

All: -431.623+/-196.746 χ^2/NDF: 93.7/56


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 969.585+/-0.224 χ²/NDF:306623.9/11
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 981.001+/-0.226 χ²/NDF:247591.5/10
Left: 975.246+/-0.159 χ²/NDF: 555497.7/22
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1089.742+/-0.196 χ²/NDF:2339590.3/26
Out: 1092.500+/-0.198 χ²/NDF:3007502.0/29
All: 1091.106+/-0.139 χ²/NDF: 5347190.7/56



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1566.478+/-648.792 χ^2/NDF:11.5/11

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 119.166+/-649.132 χ^2/NDF:9.8/10

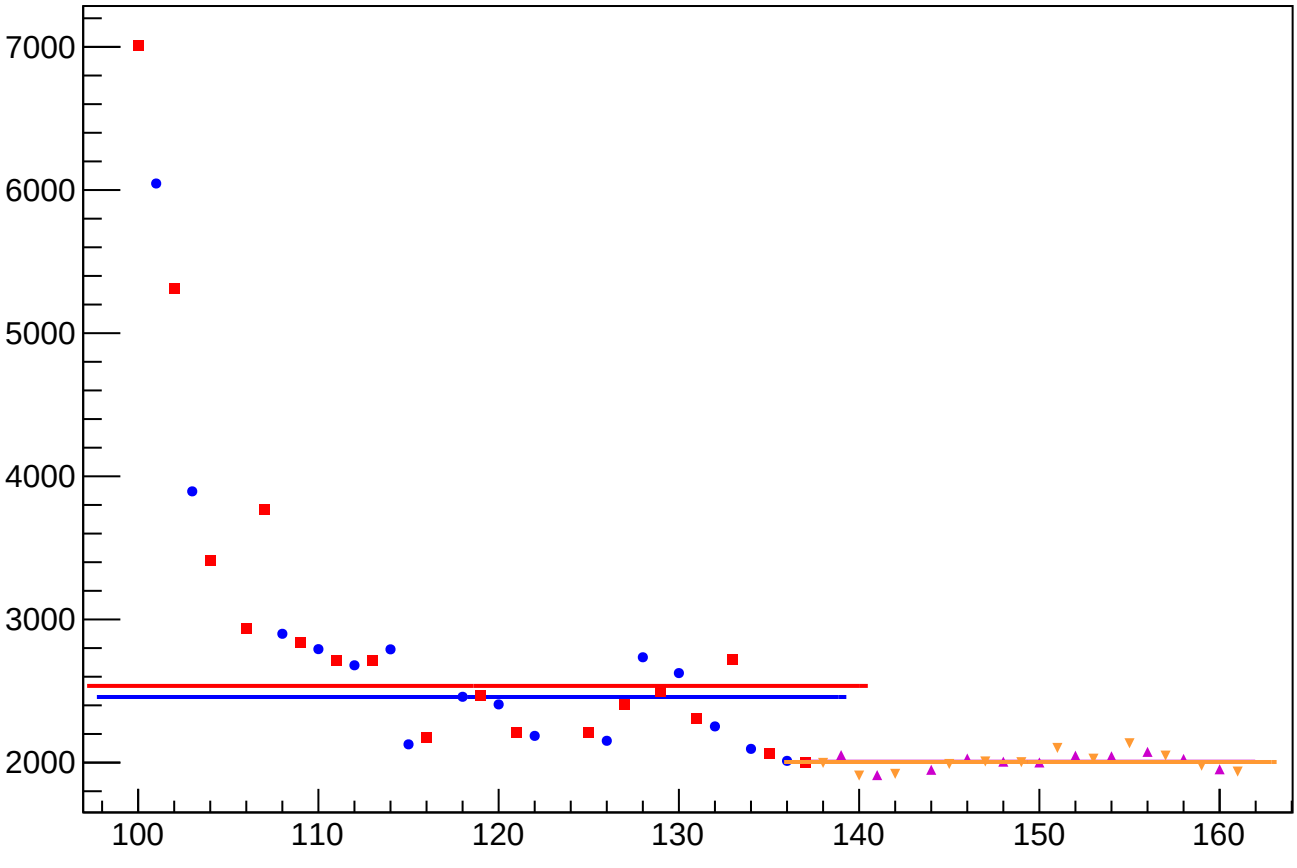
Left: 843.201+/-458.886 χ^2/NDF: 23.8/22

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 165.923+/-534.509 χ^2/NDF:28.8/26

Out: 902.250+/-538.060 χ^2/NDF:26.6/29

All: 531.648+/-379.204 χ^2/NDF: 56.4/56



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2004.229+/-0.459 χ^2/NDF:19065.0/11

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2006.153+/-0.459 χ^2/NDF:11359.4/10

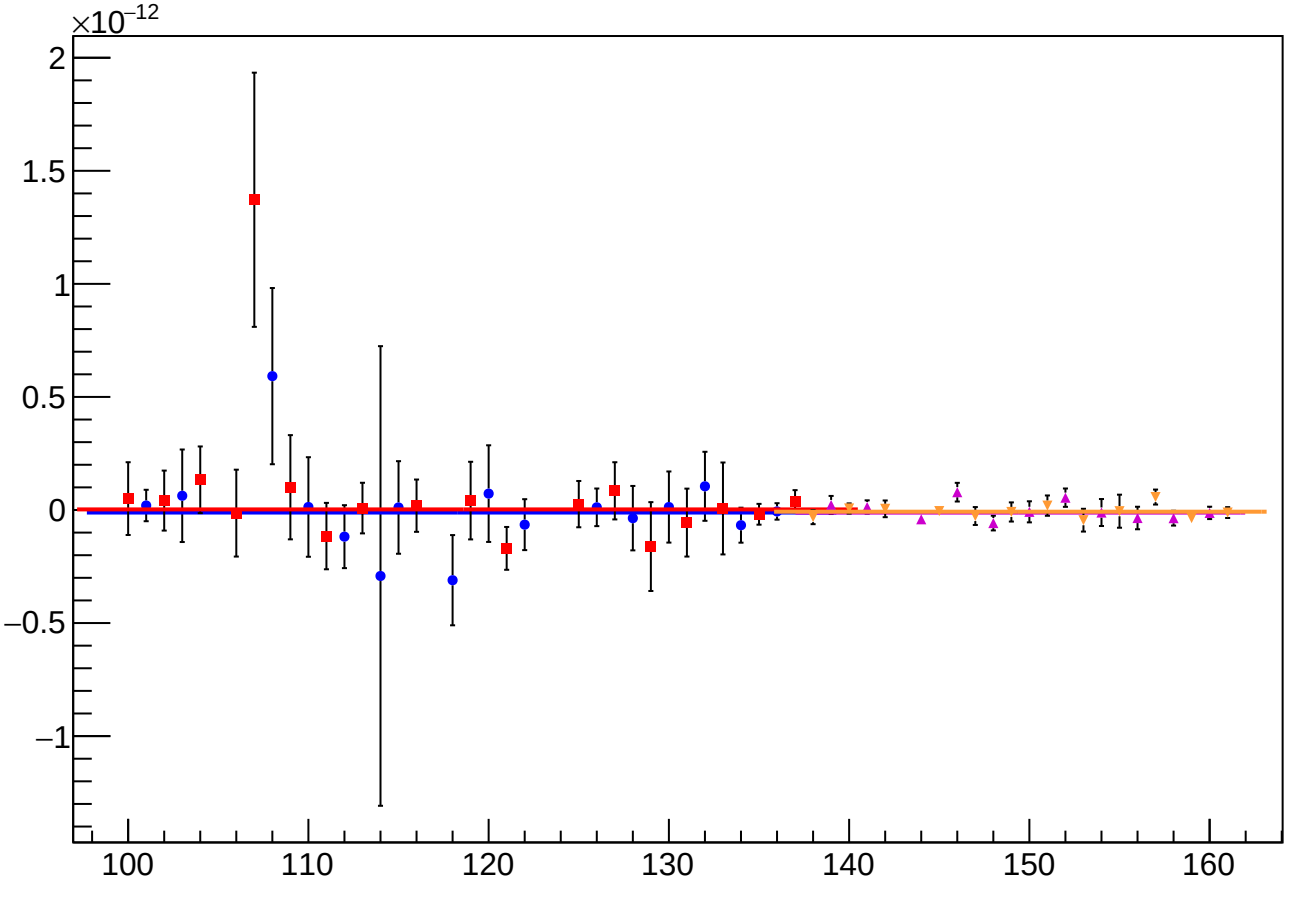
Left: 2005.191+/-0.324 χ^2/NDF: 30433.2/22

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2151.745+/-0.378 χ^2/NDF:1156720.3/26

Out: 2170.192+/-0.380 χ^2/NDF:1111556.4/29

All: 2160.907+/-0.268 χ^2/NDF: 2269459.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/10

Left: -0.000+/-0.000 χ^2/NDF: 21.5/22

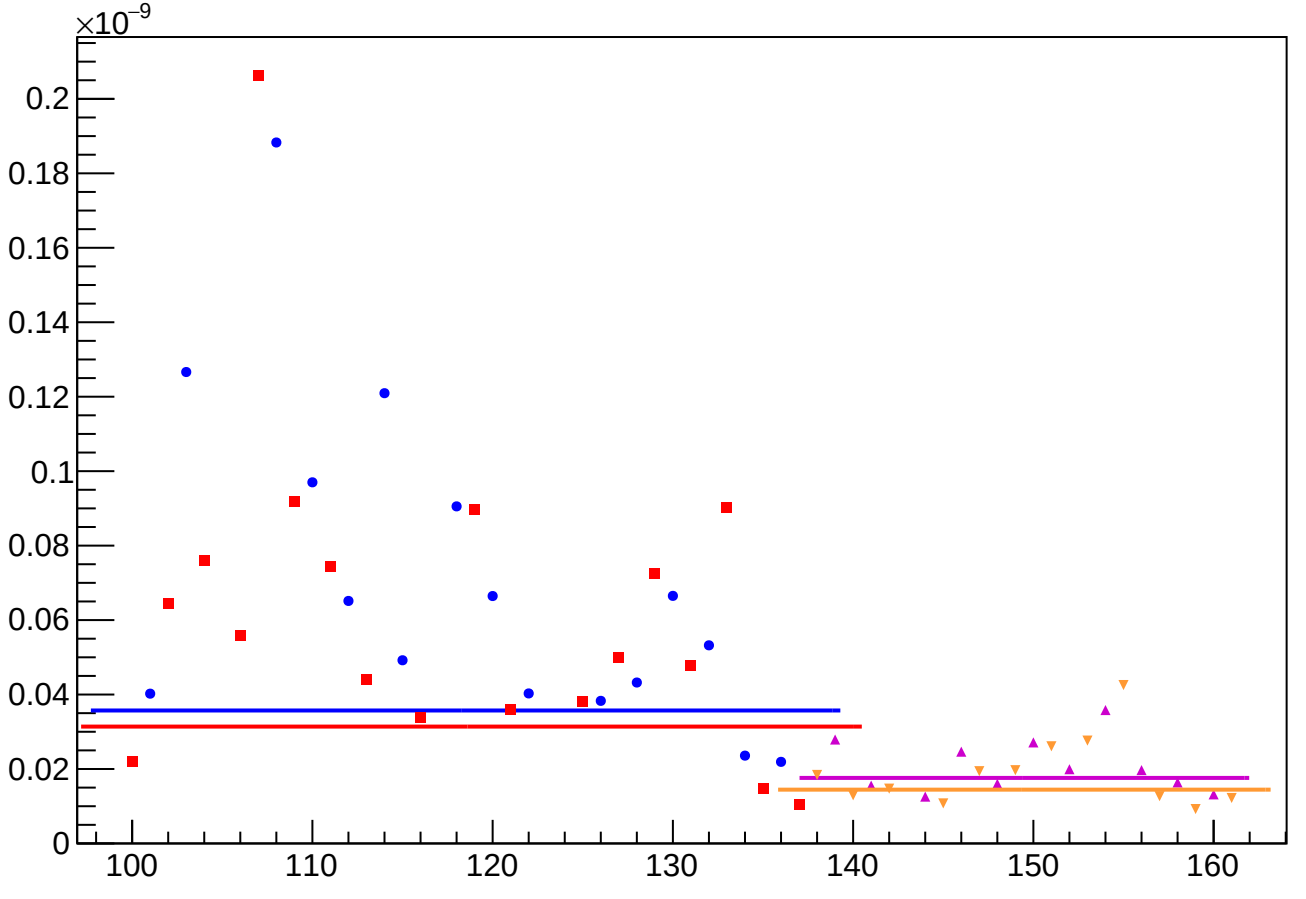
Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:21.0/26

Out: -0.000+/-0.000 χ^2/NDF:21.1/29

All: -0.000+/-0.000 χ^2/NDF: 42.2/56

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:857714.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:656362.3/10

Left: 0.000+/-0.000 χ^2/NDF: 1622825.0/22

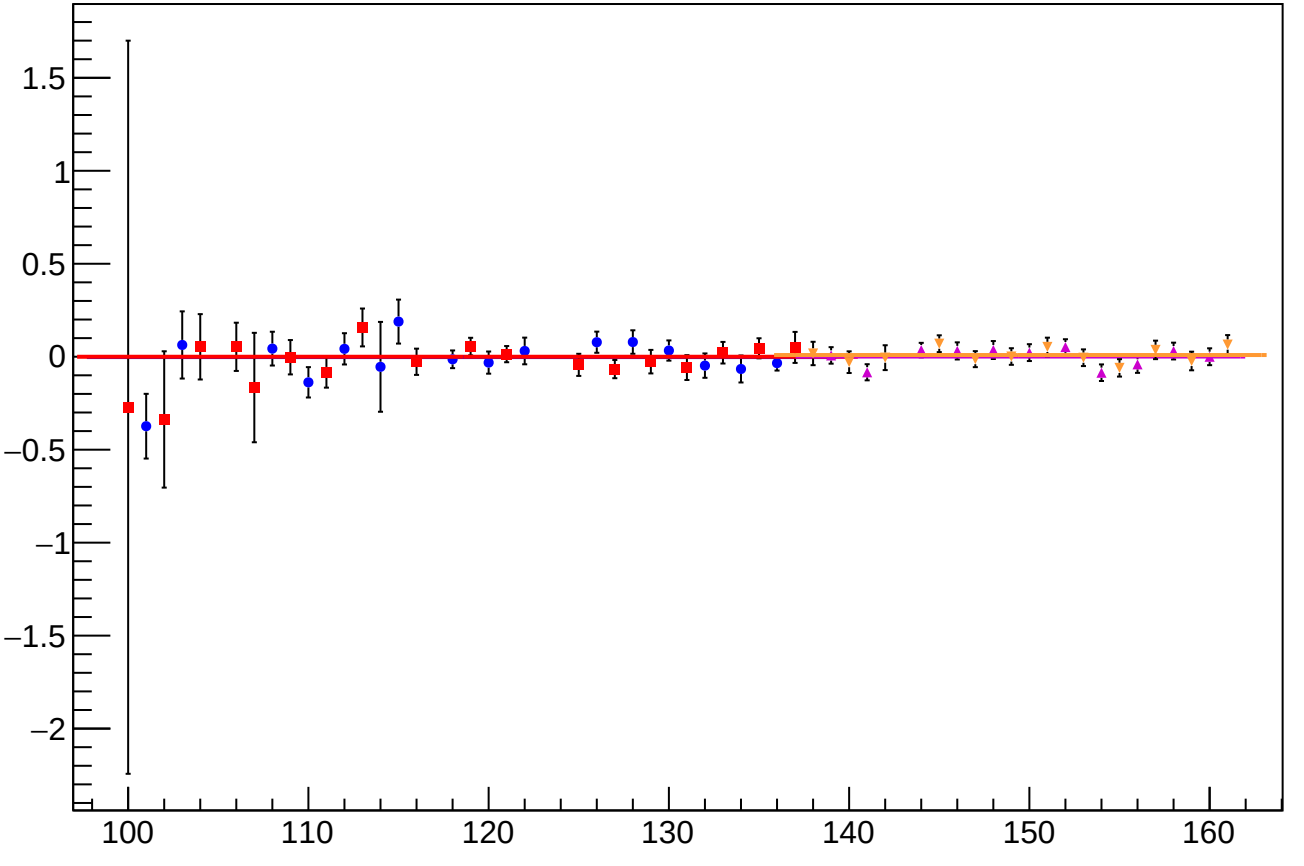
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3205312.5/26

Out: 0.000+/-0.000 χ^2/NDF:3779033.7/29

All: 0.000+/-0.000 χ^2/NDF: 7170803.2/56

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: 0.009+/-0.014 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.3/10

Left: 0.005+/-0.010 χ^2/NDF: 20.1/22

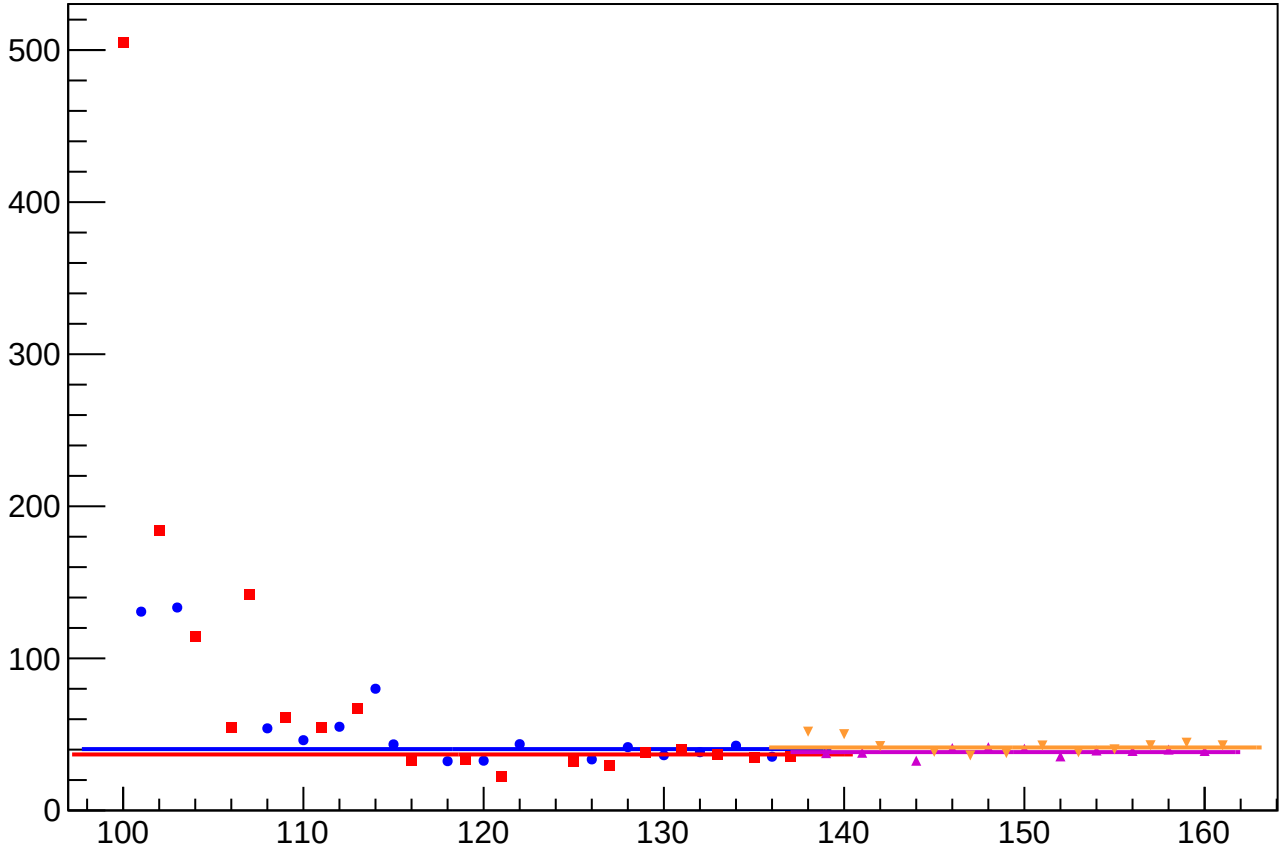
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.005+/-0.011 χ^2/NDF:18.7/29

All: 0.002+/-0.008 χ^2/NDF: 48.2/56

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.423+/-0.010 χ^2/NDF:174614.9/11

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

Left: 39.782+/-0.007 χ^2/NDF: 300148.1/22

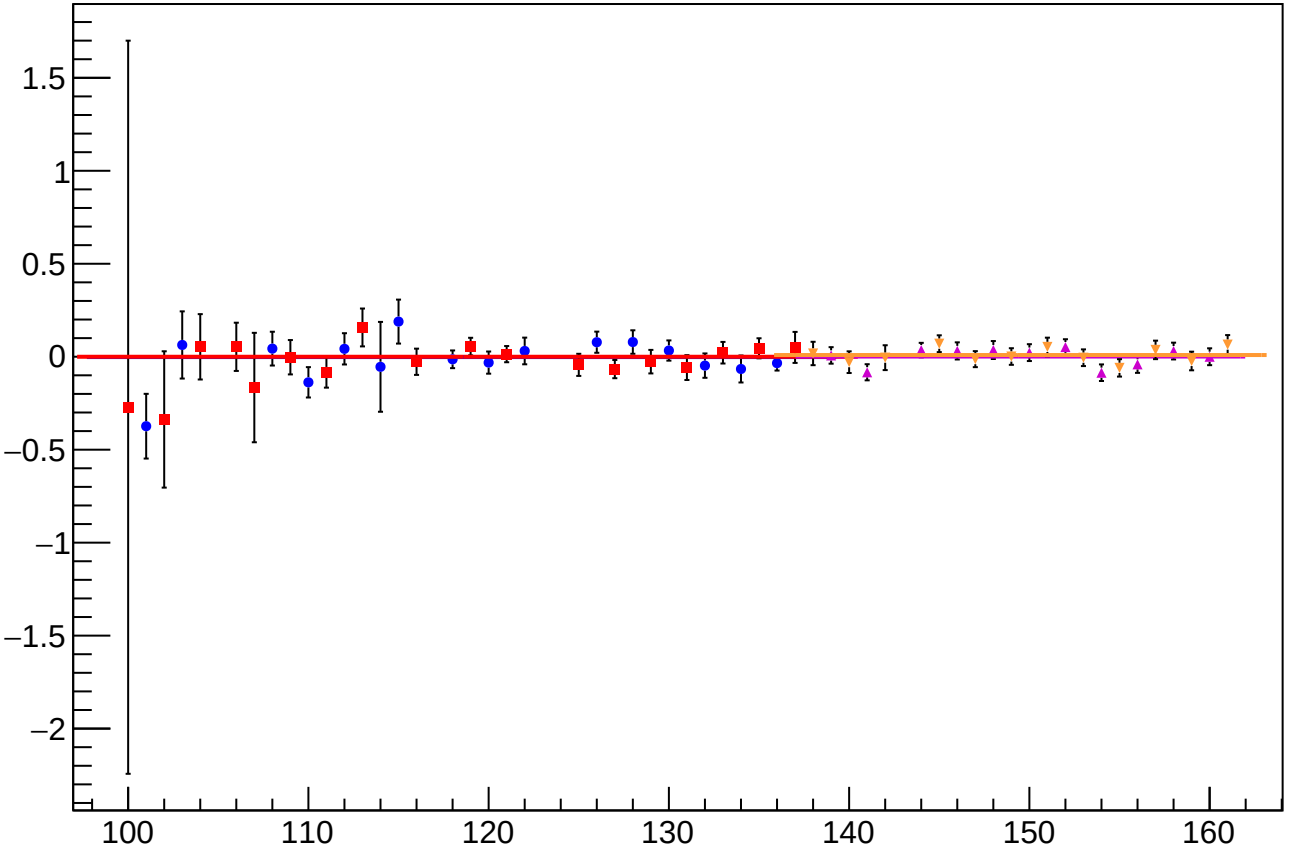
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.007 χ^2/NDF:1503879.1/26

Out: 39.462+/-0.008 χ^2/NDF:2099033.0/29

All: 39.284+/-0.005 χ^2/NDF: 3603940.4/56

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: 0.009+/-0.014 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.3/10

Left: 0.005+/-0.010 χ^2/NDF: 20.1/22

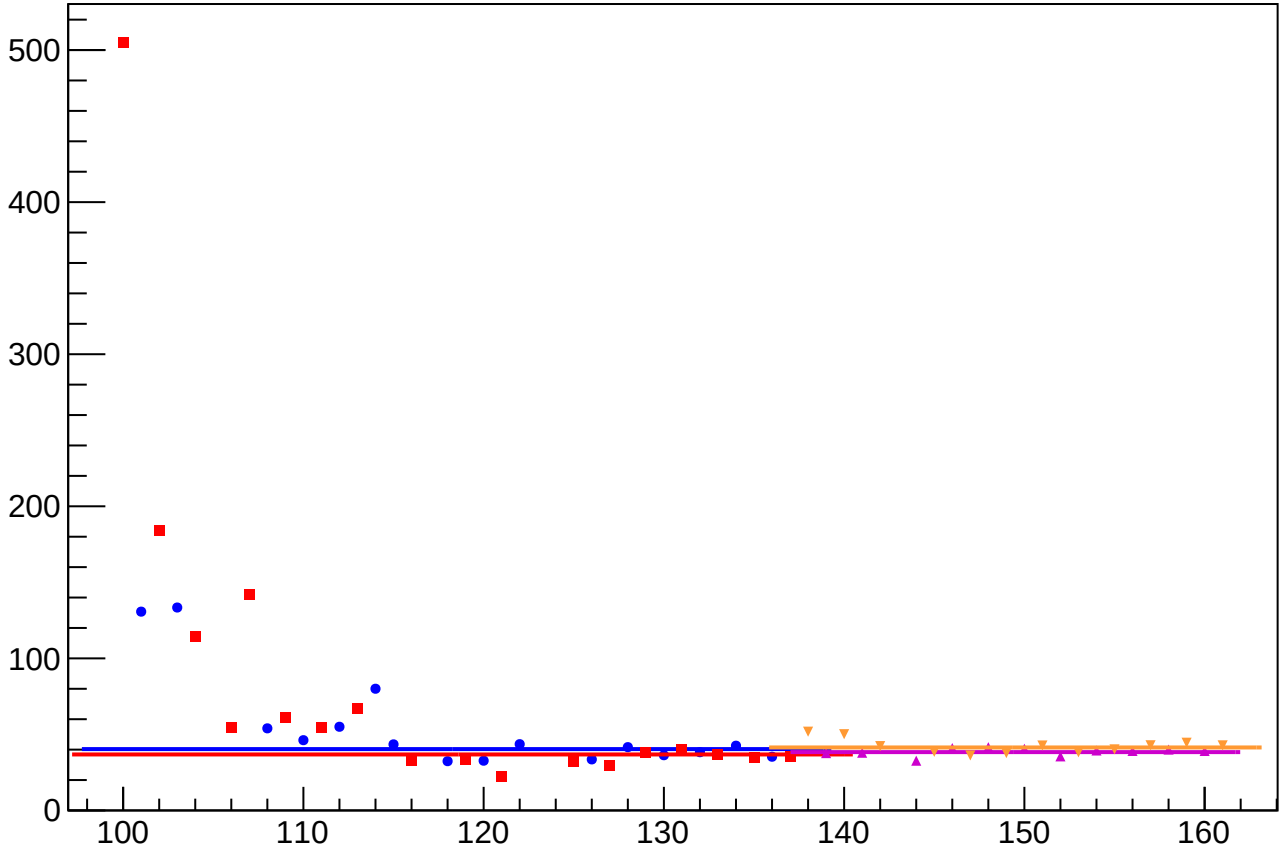
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.005+/-0.011 χ^2/NDF:18.7/29

All: 0.002+/-0.008 χ^2/NDF: 48.2/56

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.423+/-0.010 χ^2/NDF:174614.9/11

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

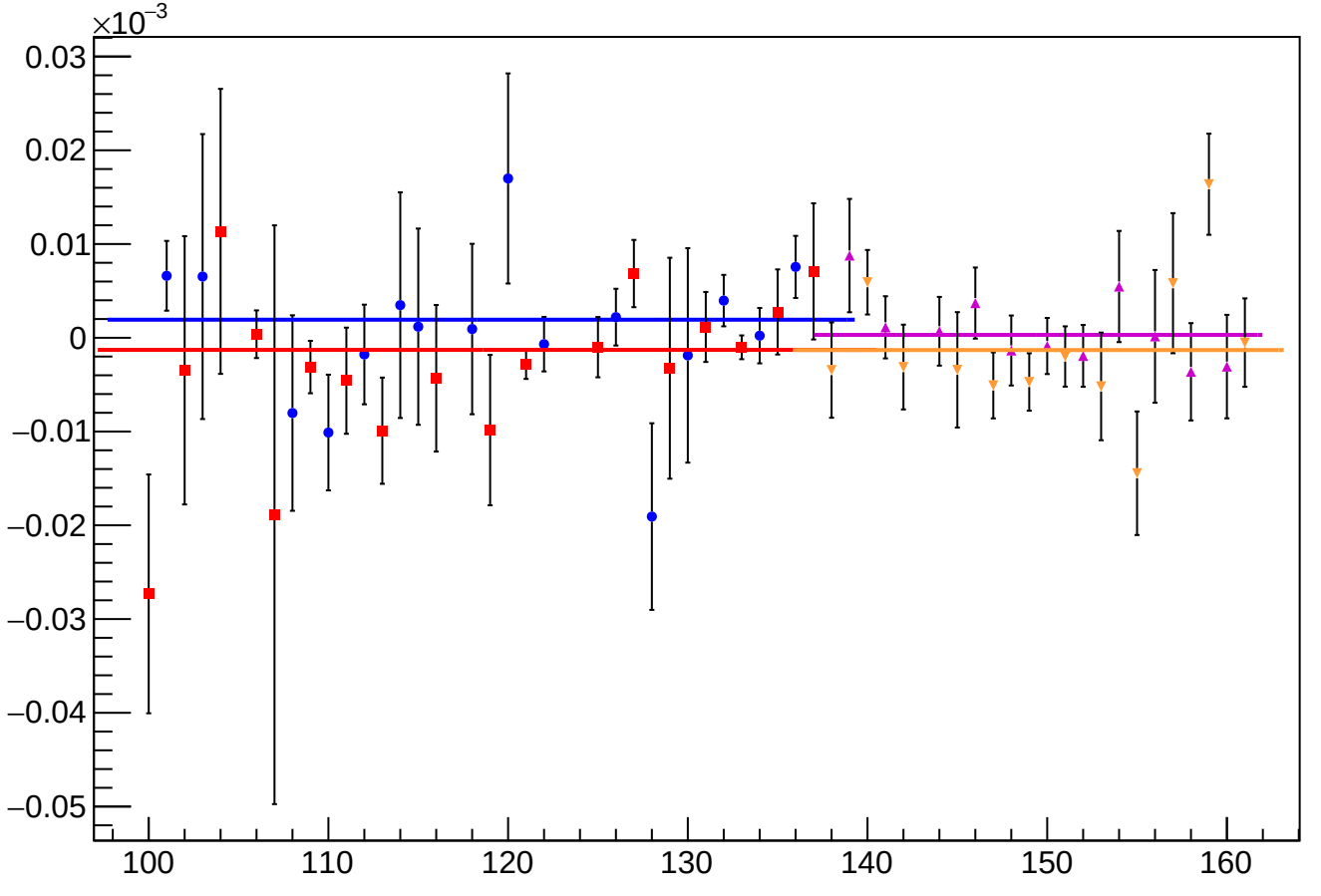
Left: 39.782+/-0.007 χ^2/NDF: 300148.1/22

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.118+/-0.007 χ^2/NDF:1503879.1/26

Out: 39.462+/-0.008 χ^2/NDF:2099033.0/29

All: 39.284+/-0.005 χ^2/NDF: 3603940.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:5.4/10

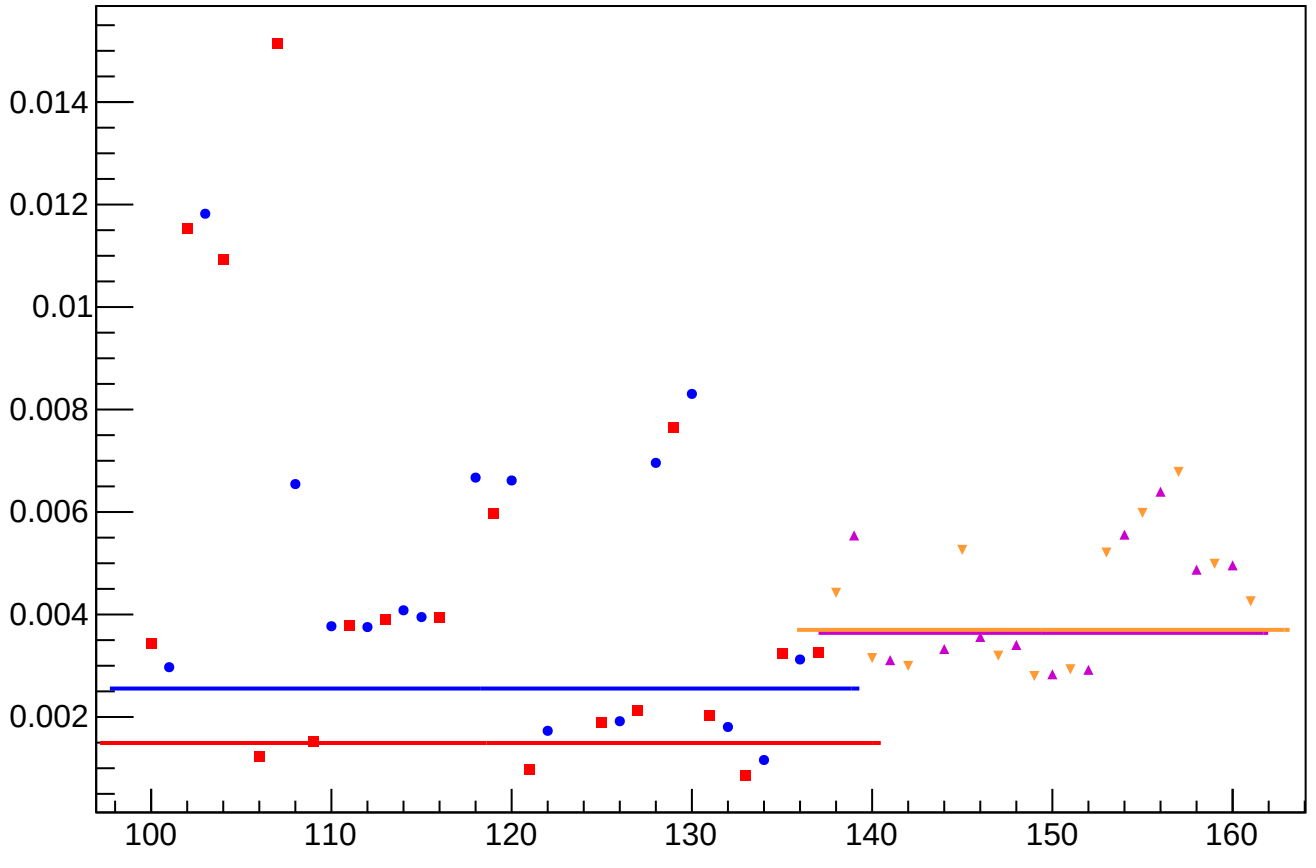
Left: -0.000+/-0.000 χ^2/NDF: 29.6/22

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:42.3/29

All: -0.000+/-0.000 χ^2/NDF: 71.9/56



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1457731.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1253027.7/10

Left: 0.004+/-0.000 χ^2/NDF: 2713003.9/22

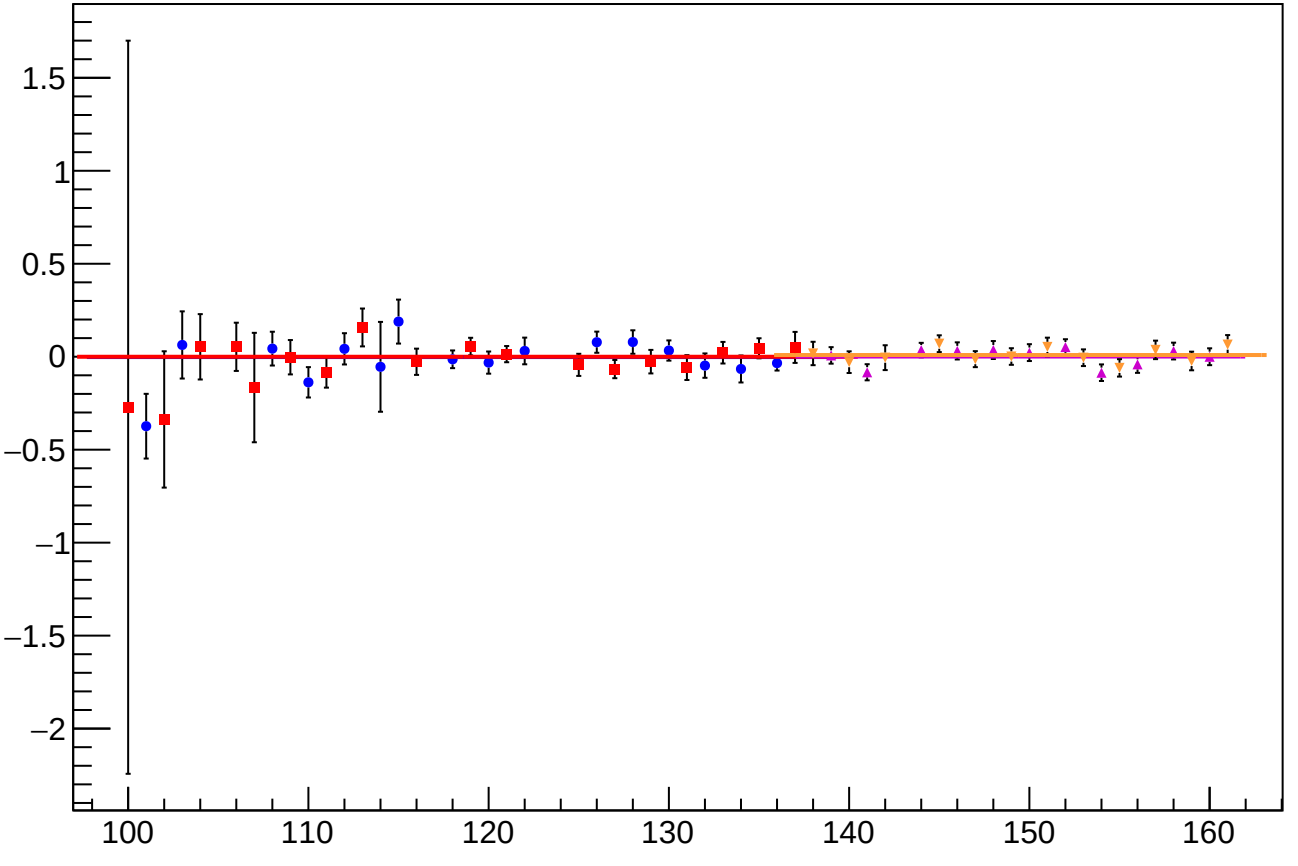
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:5869328.4/26

Out: 0.002+/-0.000 χ^2/NDF:11564363.6/29

All: 0.002+/-0.000 χ^2/NDF: 19156523.7/56

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: 0.009+/-0.014 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.3/10

Left: 0.005+/-0.010 χ^2/NDF: 20.1/22

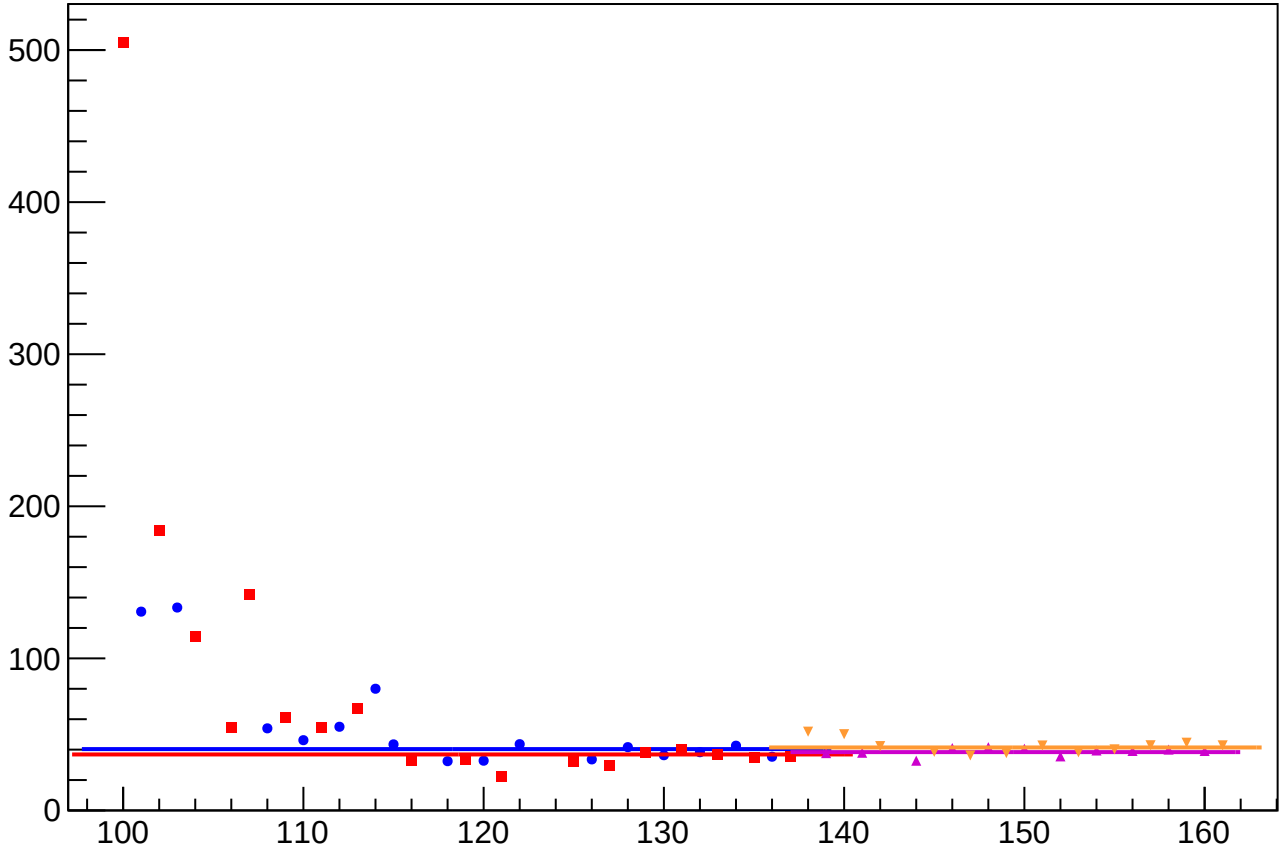
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.005+/-0.011 χ^2/NDF:18.7/29

All: 0.002+/-0.008 χ^2/NDF: 48.2/56

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.423+/-0.010 χ^2/NDF:174618.2/11

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

Left: 39.781+/-0.007 χ^2/NDF: 300145.5/22

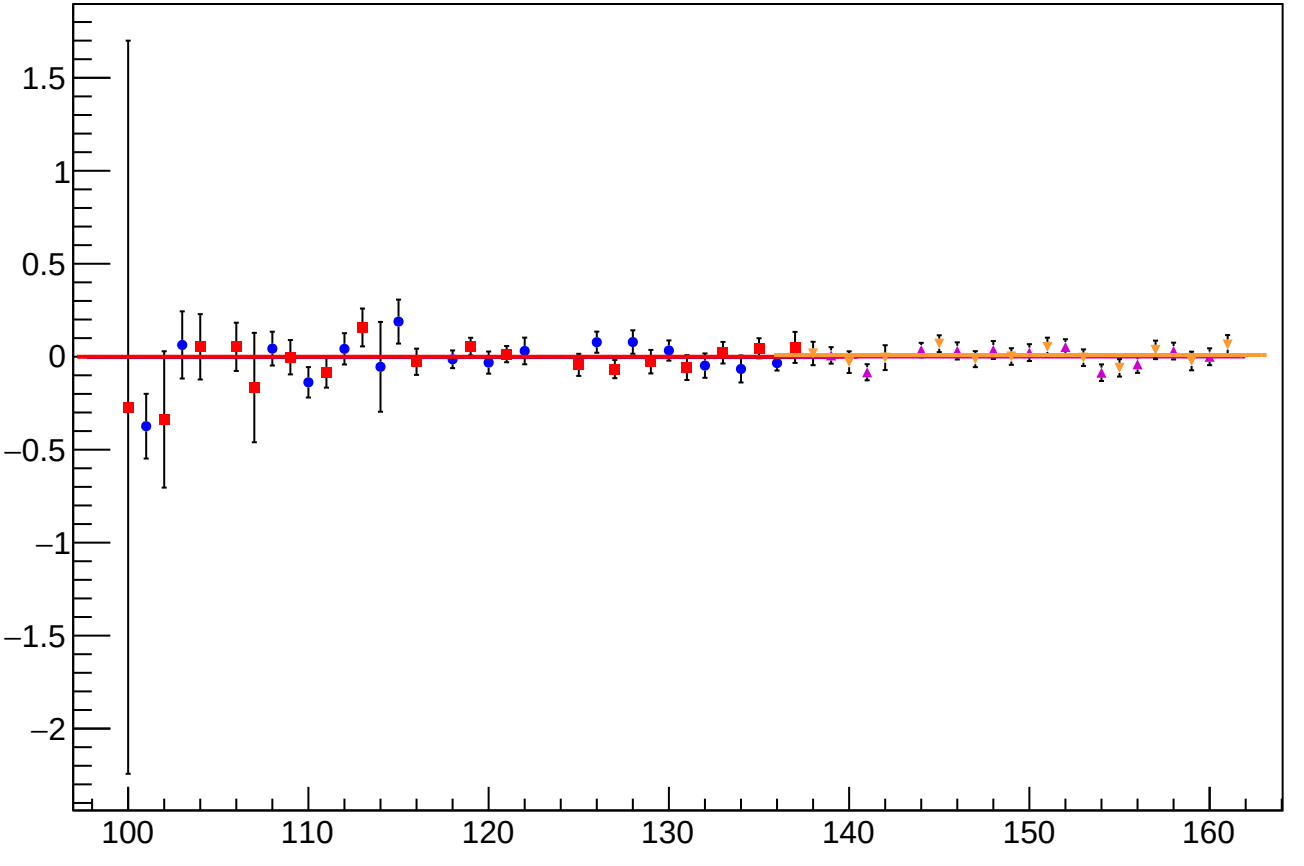
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.007 χ^2/NDF:1503780.1/26

Out: 39.461+/-0.008 χ^2/NDF:2099067.5/29

All: 39.284+/-0.005 χ^2/NDF: 3603872.4/56

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: 0.009+/-0.014 χ^2/NDF:7.6/11

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.001+/-0.013 χ^2/NDF:12.3/10

Left: 0.005+/-0.010 χ^2/NDF: 20.1/22

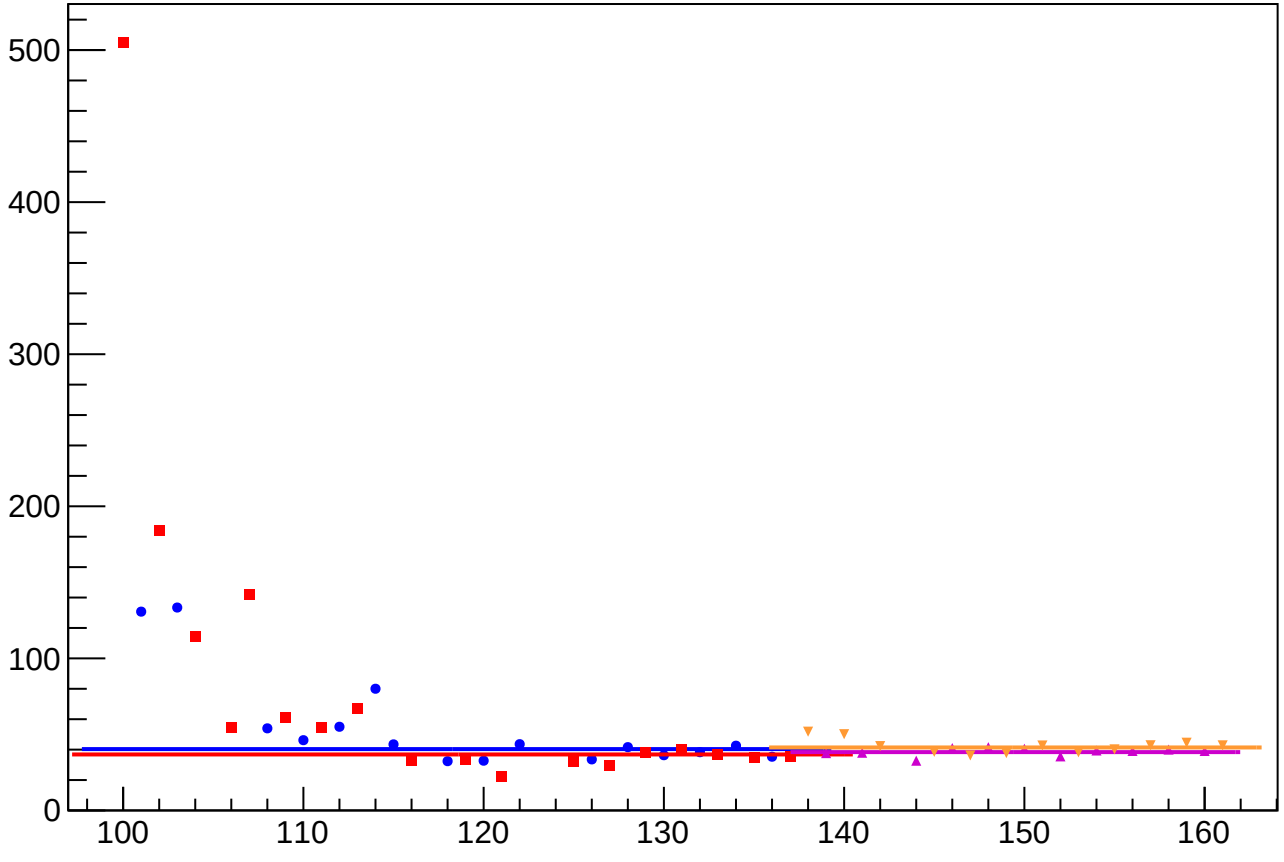
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.000+/-0.011 χ^2/NDF:29.5/26

Out: 0.005+/-0.011 χ^2/NDF:18.7/29

All: 0.002+/-0.008 χ^2/NDF: 48.2/56

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.423+/-0.010 χ^2/NDF:174618.2/11

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

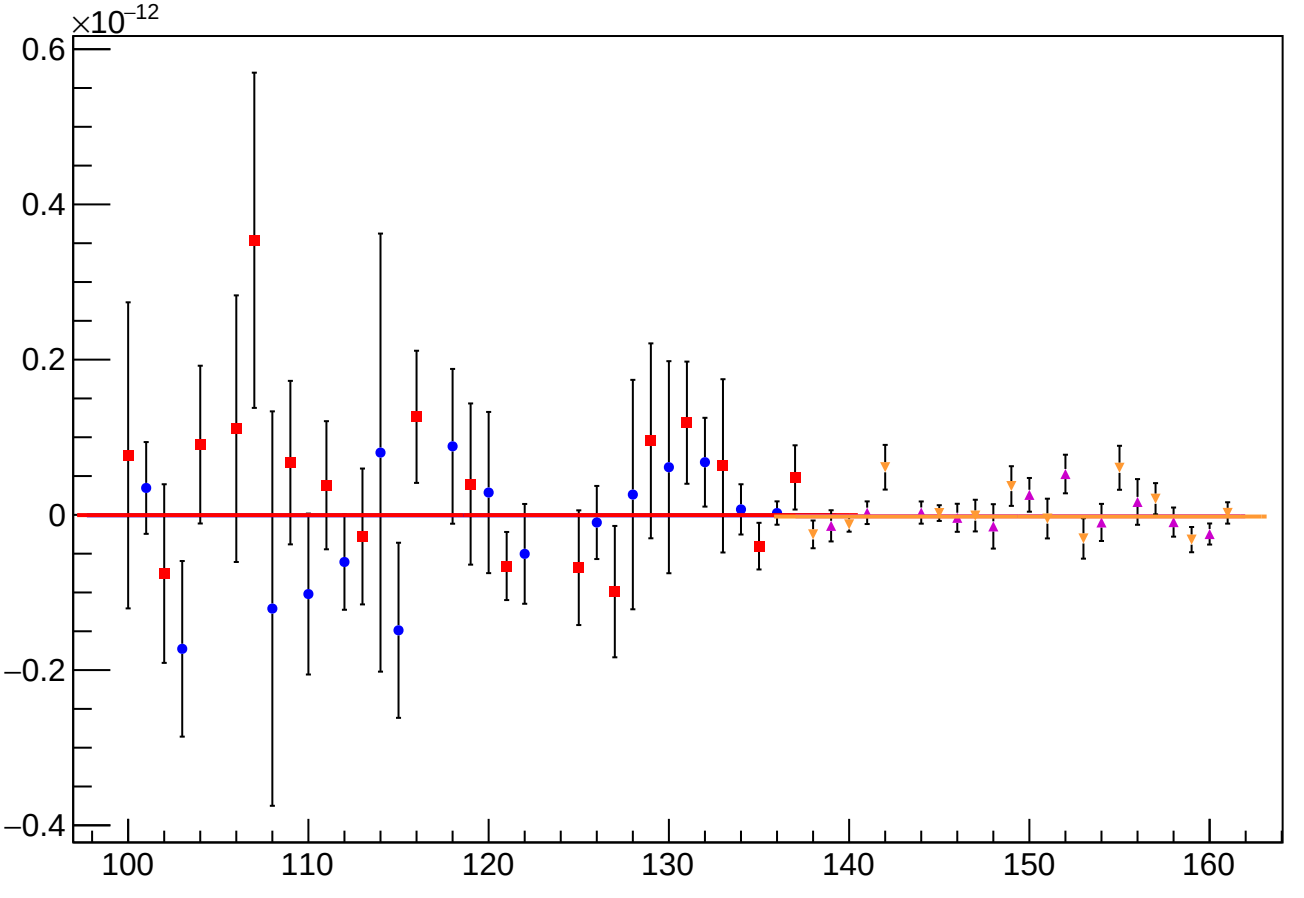
Left: 39.781+/-0.007 χ^2/NDF: 300145.5/22

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.118+/-0.007 χ^2/NDF:1503780.1/26

Out: 39.461+/-0.008 χ^2/NDF:2099067.5/29

All: 39.284+/-0.005 χ^2/NDF: 3603872.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/10

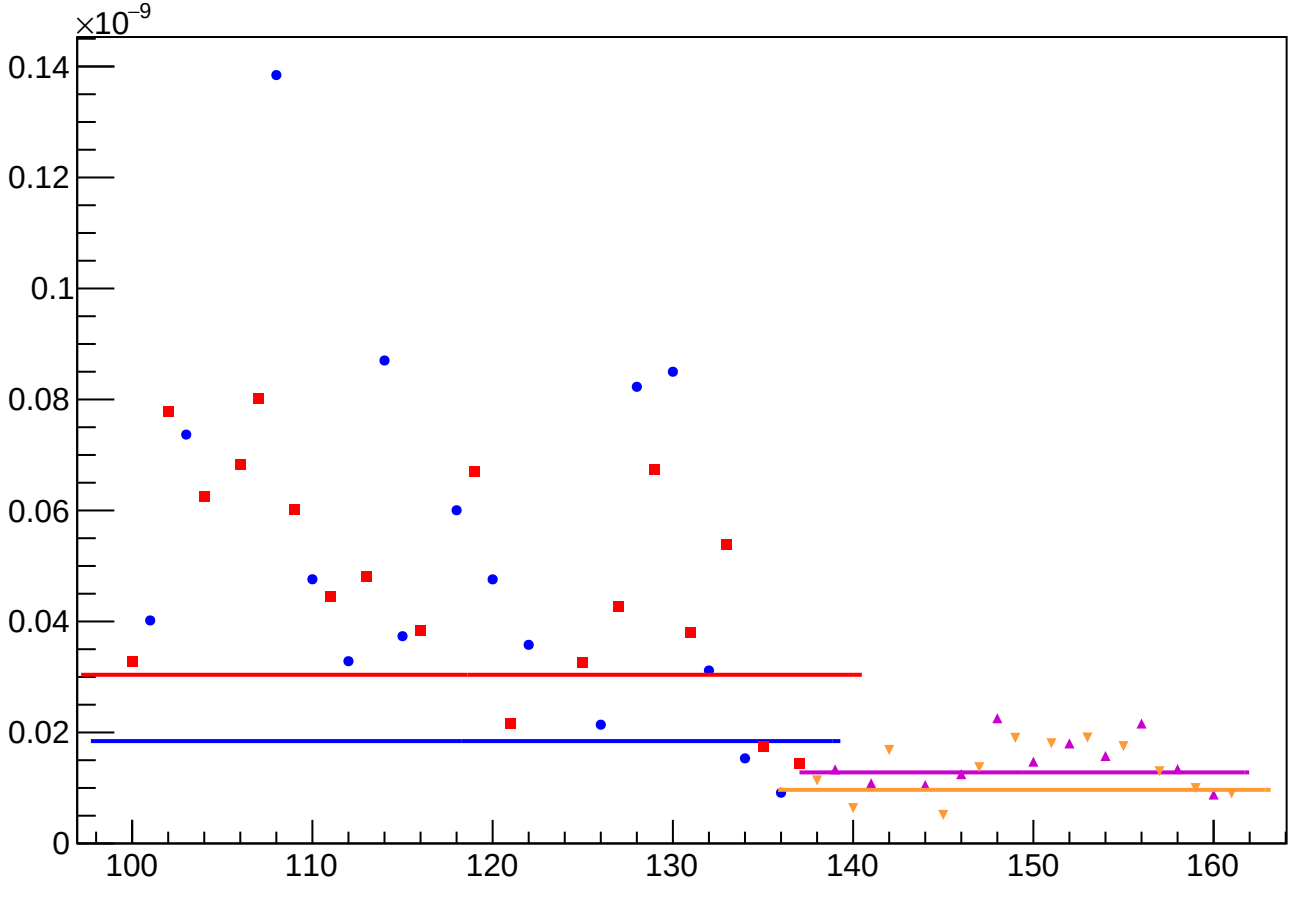
Left: -0.000+/-0.000 χ^2/NDF: 31.8/22

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:20.6/26

Out: -0.000+/-0.000 χ^2/NDF:39.4/29

All: -0.000+/-0.000 χ^2/NDF: 60.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820922.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:809238.7/10

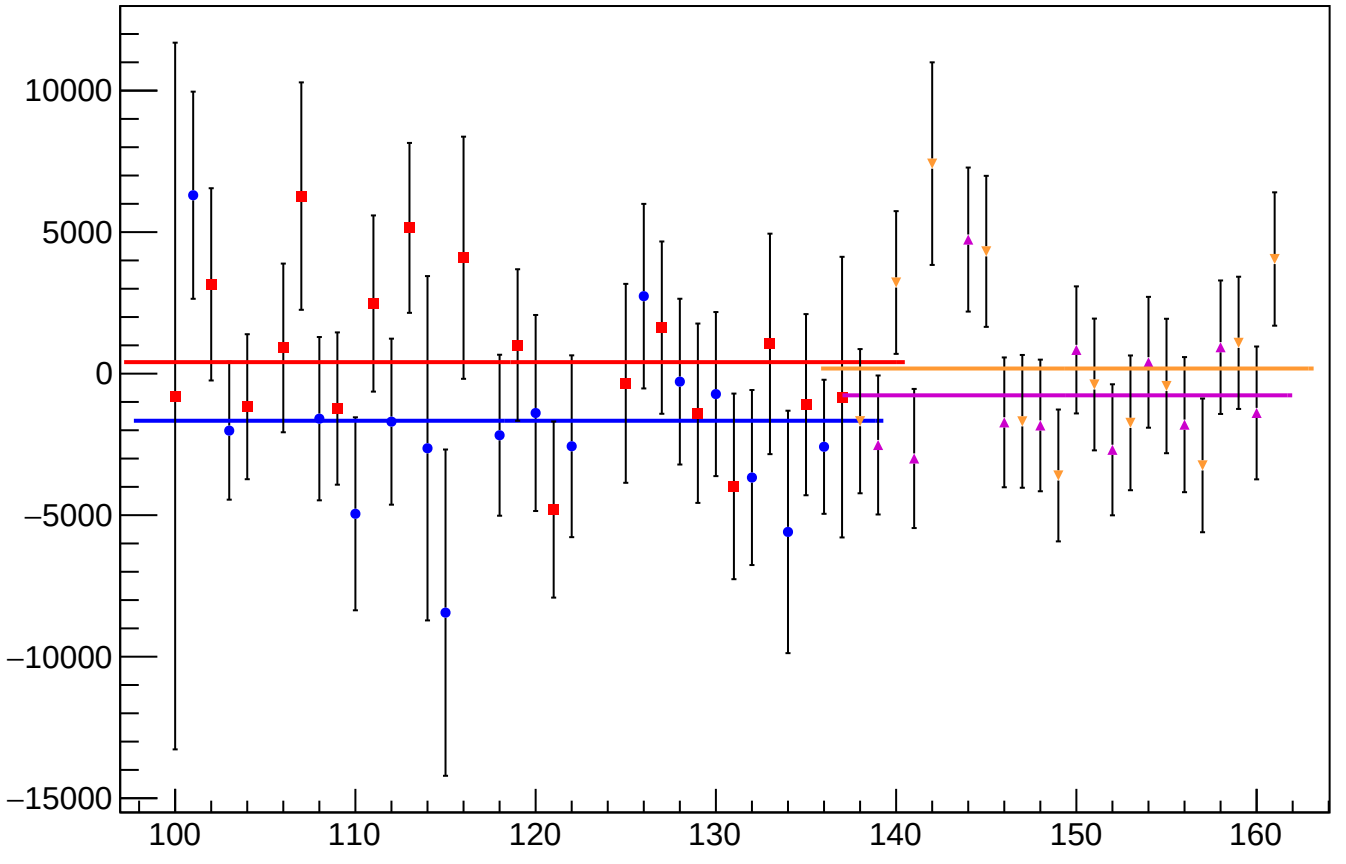
Left: 0.000+/-0.000 χ^2/NDF: 2994174.8/22

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:5216356.6/26

Out: 0.000+/-0.000 χ^2/NDF:7139347.4/29

All: 0.000+/-0.000 χ^2/NDF: 12660771.3/56



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.279+/-711.224 χ^2/NDF:17.5/11

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -765.947+/-712.448 χ^2/NDF:8.6/10

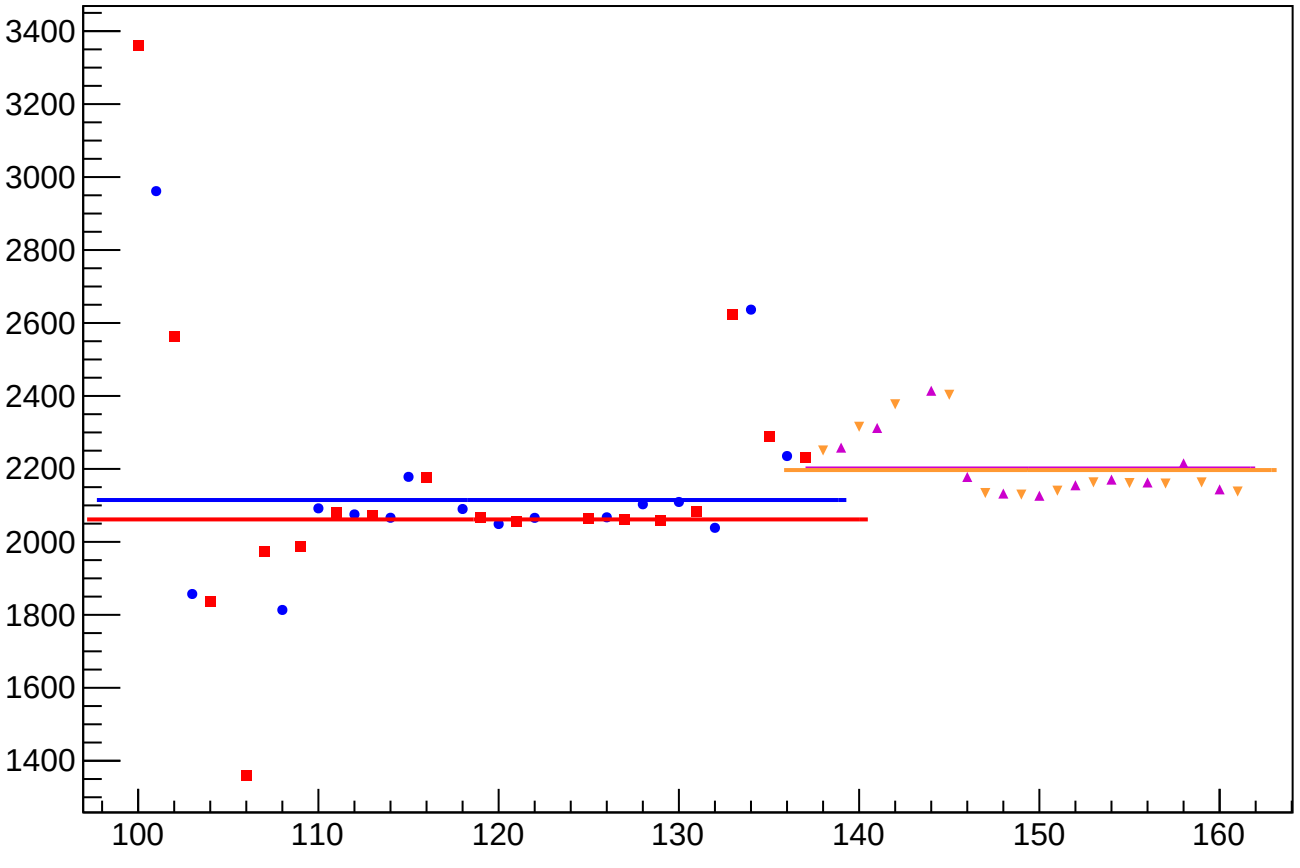
Left: -291.519+/-503.344 χ^2/NDF: 27.0/22

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1167.664+/-529.725 χ^2/NDF:20.1/26

Out: 284.090+/-524.675 χ^2/NDF:30.3/29

All: -434.834+/-372.774 χ^2/NDF: 54.2/56



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2196.867+/-0.503 χ^2/NDF:29656.4/11

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

Left: 2199.031+/-0.356 χ^2/NDF: 55973.4/22

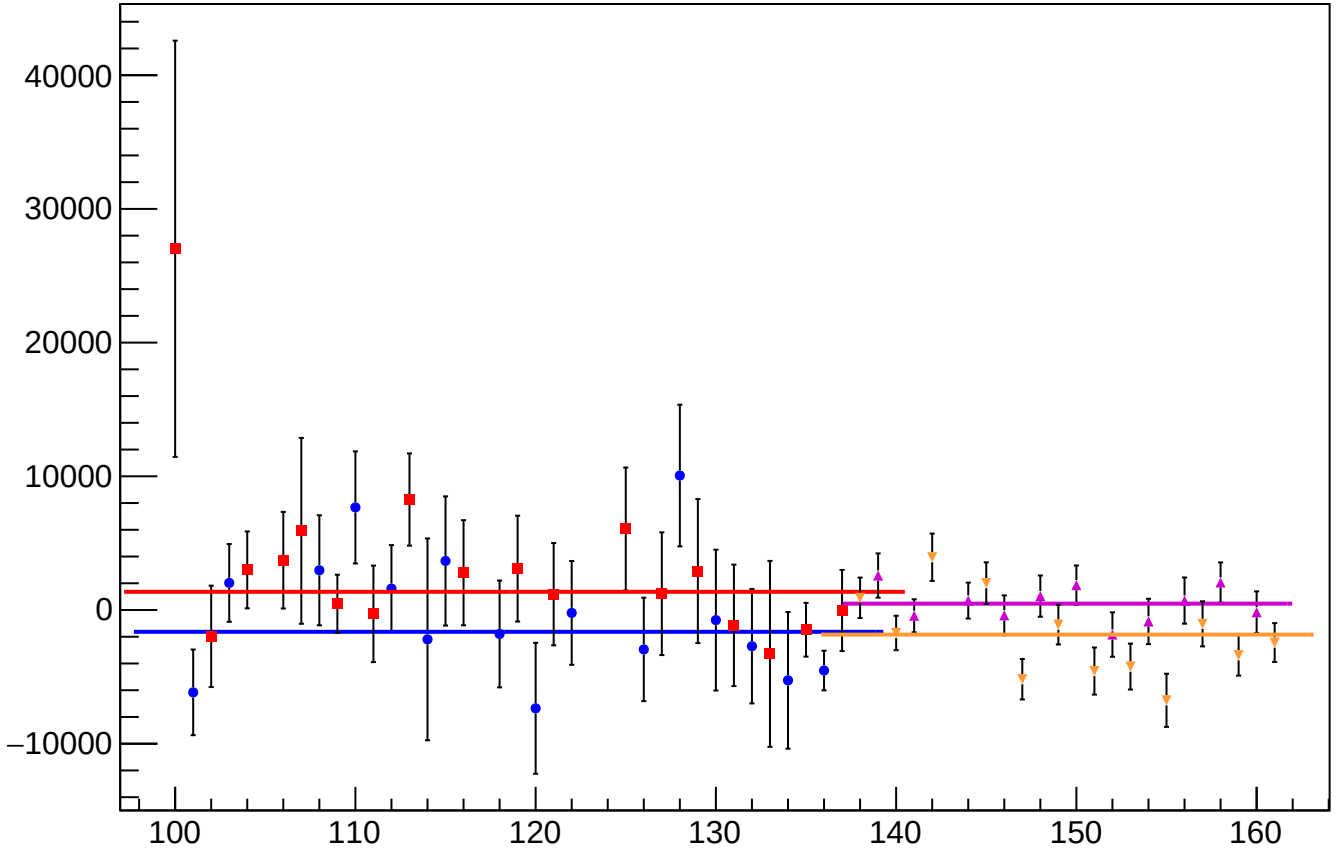
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2162.546+/-0.375 χ^2/NDF:229367.6/26

Out: 2135.195+/-0.371 χ^2/NDF:311836.2/29

All: 2148.740+/-0.264 χ^2/NDF: 543895.0/56

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: -1839.350+/-454.653 χ^2/NDF:37.1/11

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 475.914+/-455.867 χ^2/NDF:7.4/10

Left: -684.805+/-321.917 χ^2/NDF: 57.4/22

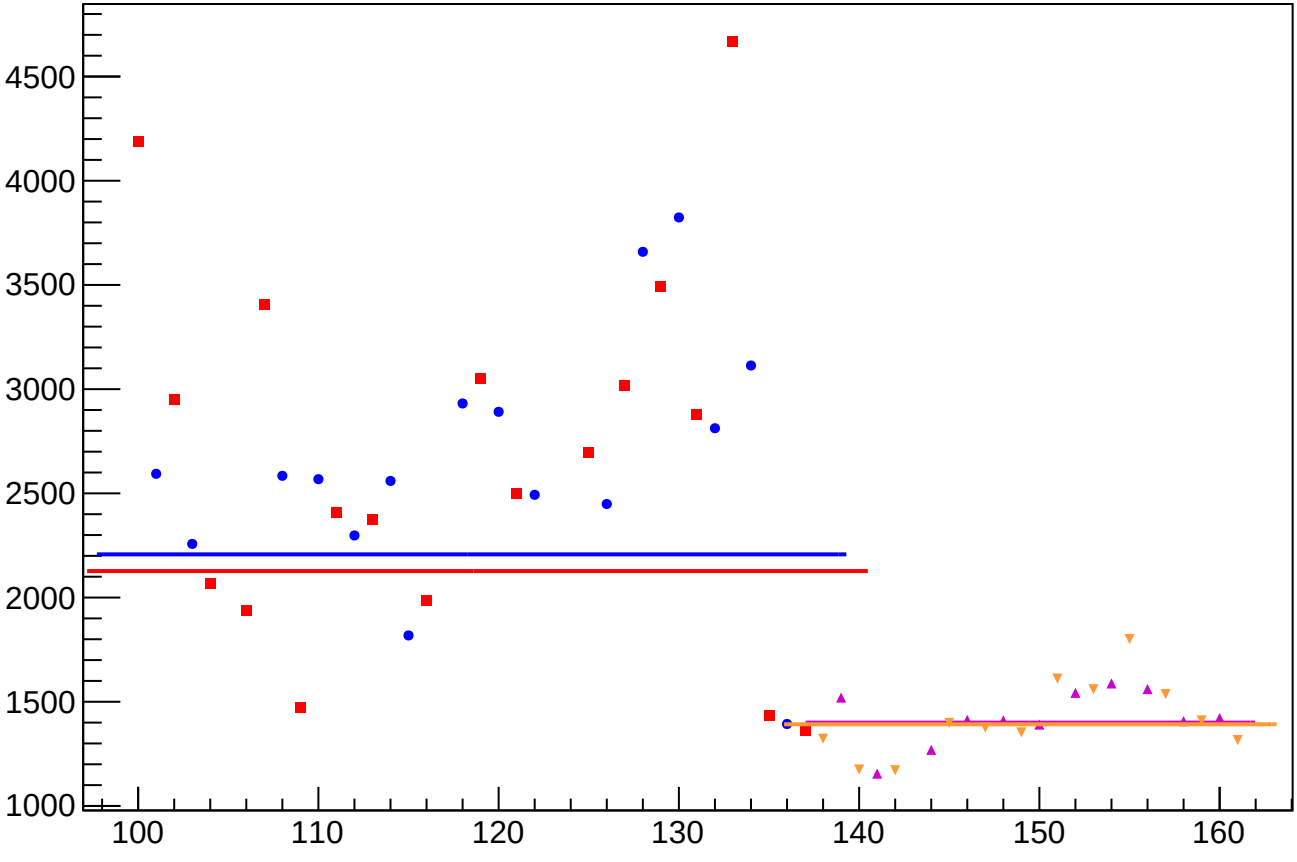
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 15.900+/-403.026 χ^2/NDF:34.9/26

Out: -1114.587+/-399.887 χ^2/NDF:61.8/29

All: -553.764+/-283.866 χ^2/NDF: 100.7/56

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1391.905+/-0.321 χ^2/NDF:249241.8/11

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1400.001+/-0.322 χ^2/NDF:165700.2/10

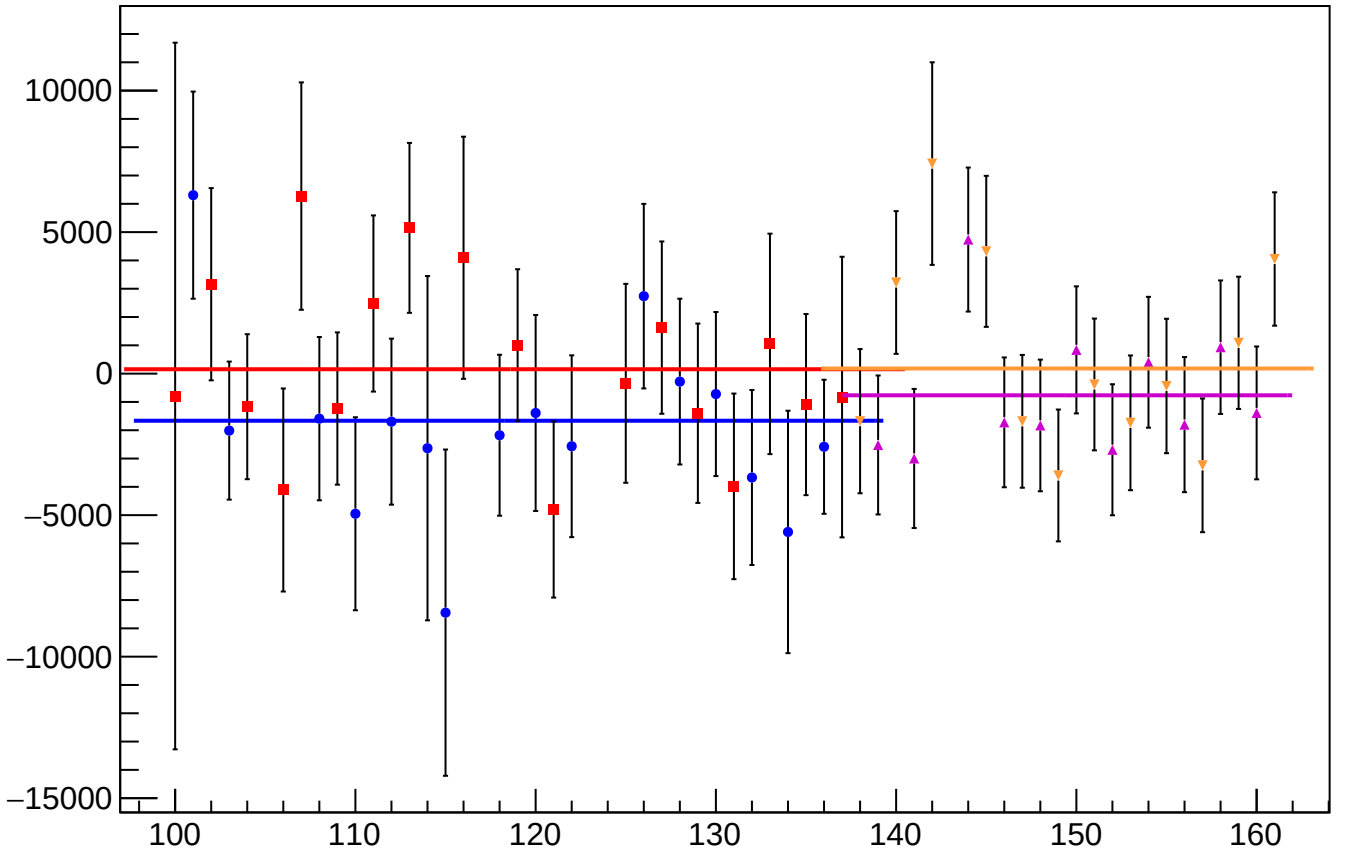
Left: 1395.942+/-0.228 χ^2/NDF: 415258.3/22

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1576.297+/-0.285 χ^2/NDF:2784602.5/26

Out: 1558.384+/-0.283 χ^2/NDF:2891709.2/29

All: 1567.270+/-0.201 χ^2/NDF: 5678302.4/56



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.530+/-711.224 χ^2/NDF:17.5/11

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -765.883+/-712.448 χ^2/NDF:8.6/10

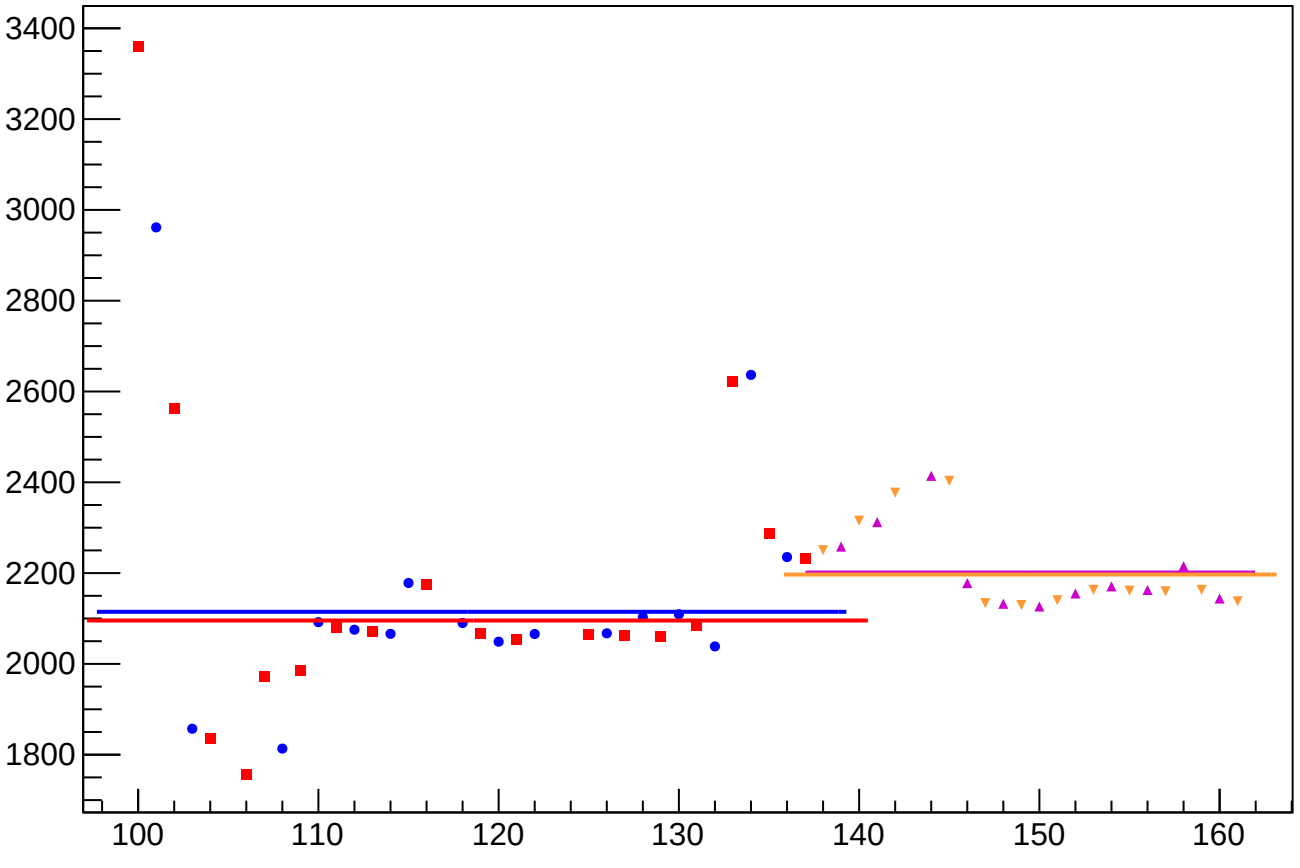
Left: -291.362+/-503.344 χ^2/NDF: 27.0/22

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1167.595+/-529.725 χ^2/NDF:20.1/26

Out: 169.927+/-527.214 χ^2/NDF:31.7/29

All: -495.657+/-373.681 χ^2/NDF: 55.0/56



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2196.867+/-0.503 χ^2/NDF:29656.4/11

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

Left: 2199.031+/-0.356 χ^2/NDF: 55973.4/22

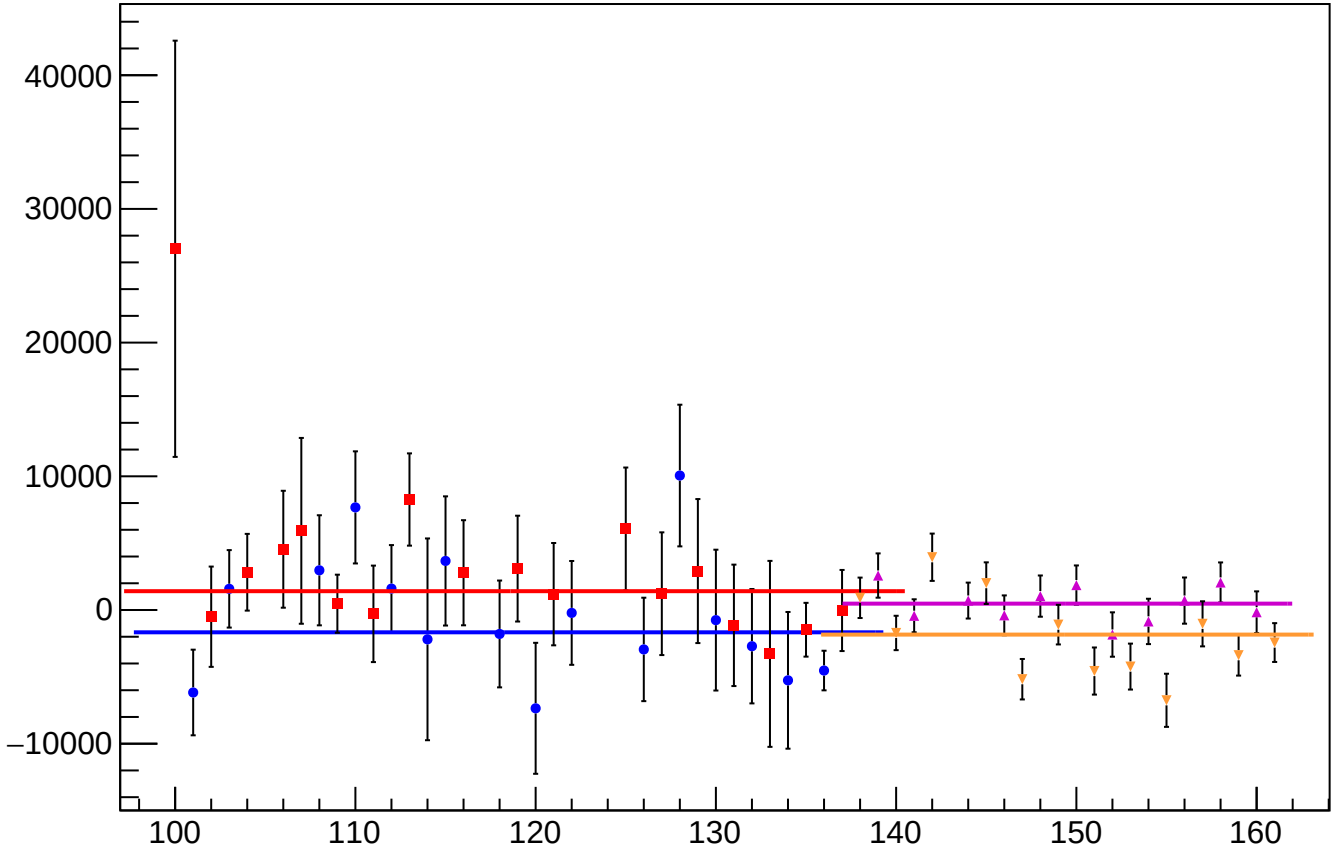
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.546+/-0.375 χ^2/NDF:229367.9/26

Out: 2151.244+/-0.373 χ^2/NDF:197284.7/29

All: 2156.868+/-0.264 χ^2/NDF: 427110.0/56

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: -1839.278+/-454.656 χ^2/NDF:37.1/11

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 475.811+/-455.867 χ^2/NDF:7.4/10

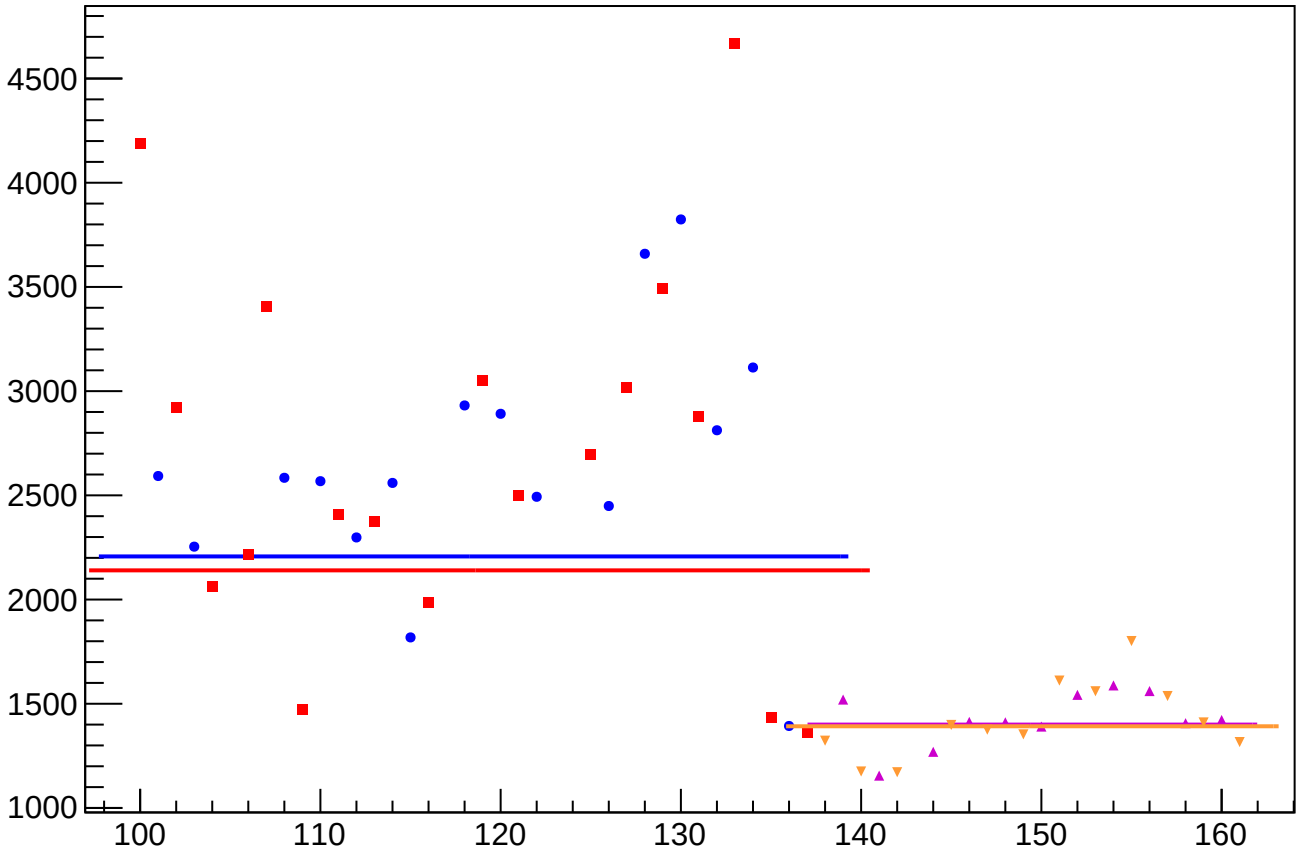
Left: -684.813+/-321.918 χ^2/NDF: 57.4/22

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 7.272+/-402.997 χ^2/NDF:34.7/26

Out: -1113.007+/-400.599 χ^2/NDF:61.5/29

All: -556.210+/-284.110 χ^2/NDF: 100.1/56



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1391.916+/-0.321 χ^2/NDF:249187.6/11

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

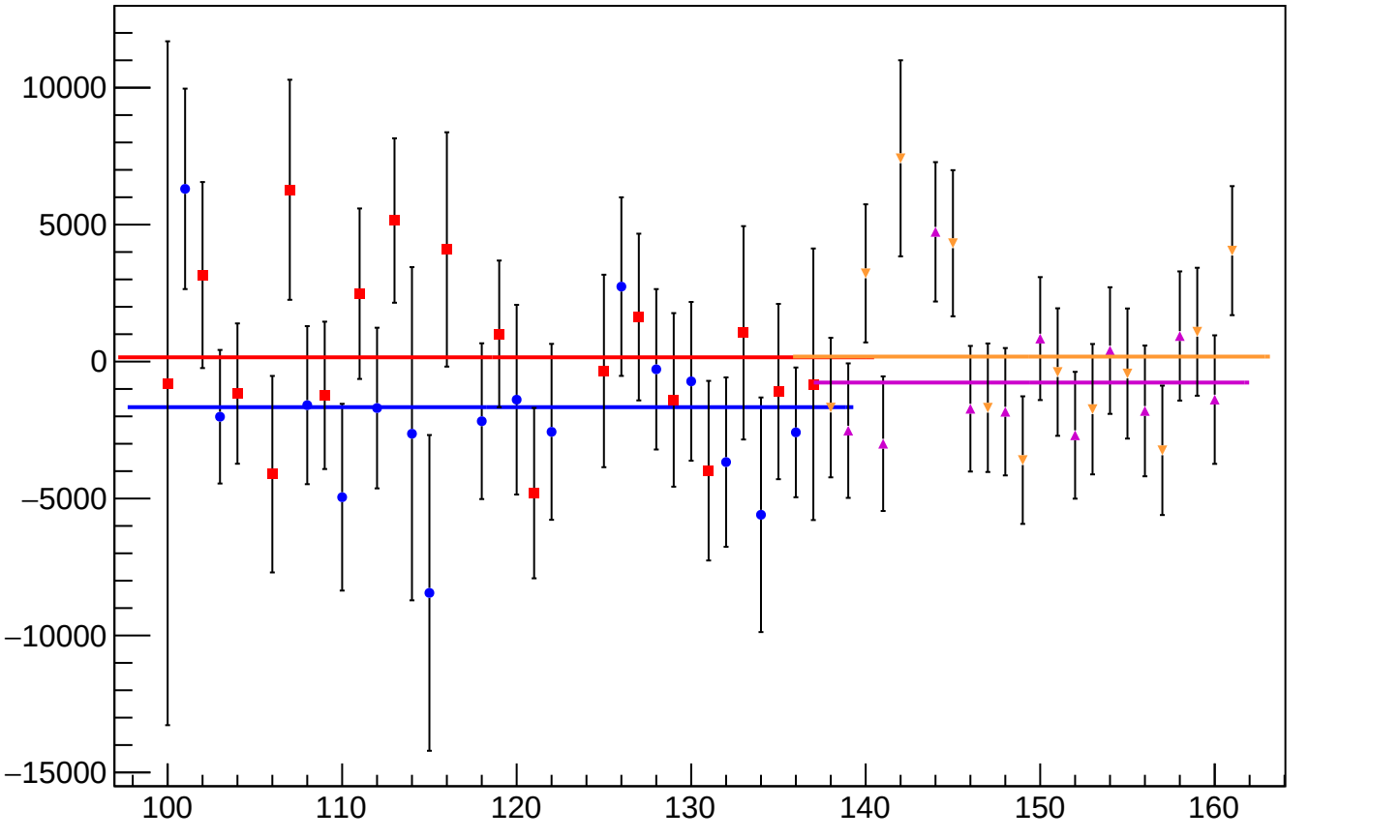
Left: 1395.947+/-0.228 χ^2/NDF: 415241.7/22

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1576.315+/-0.285 χ^2/NDF:2783985.6/26

Out: 1559.243+/-0.283 χ^2/NDF:2908758.4/29

All: 1567.728+/-0.201 χ^2/NDF: 5694549.3/56



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.530+/-711.224 χ^2/NDF:17.5/11

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -765.883+/-712.448 χ^2/NDF:8.6/10

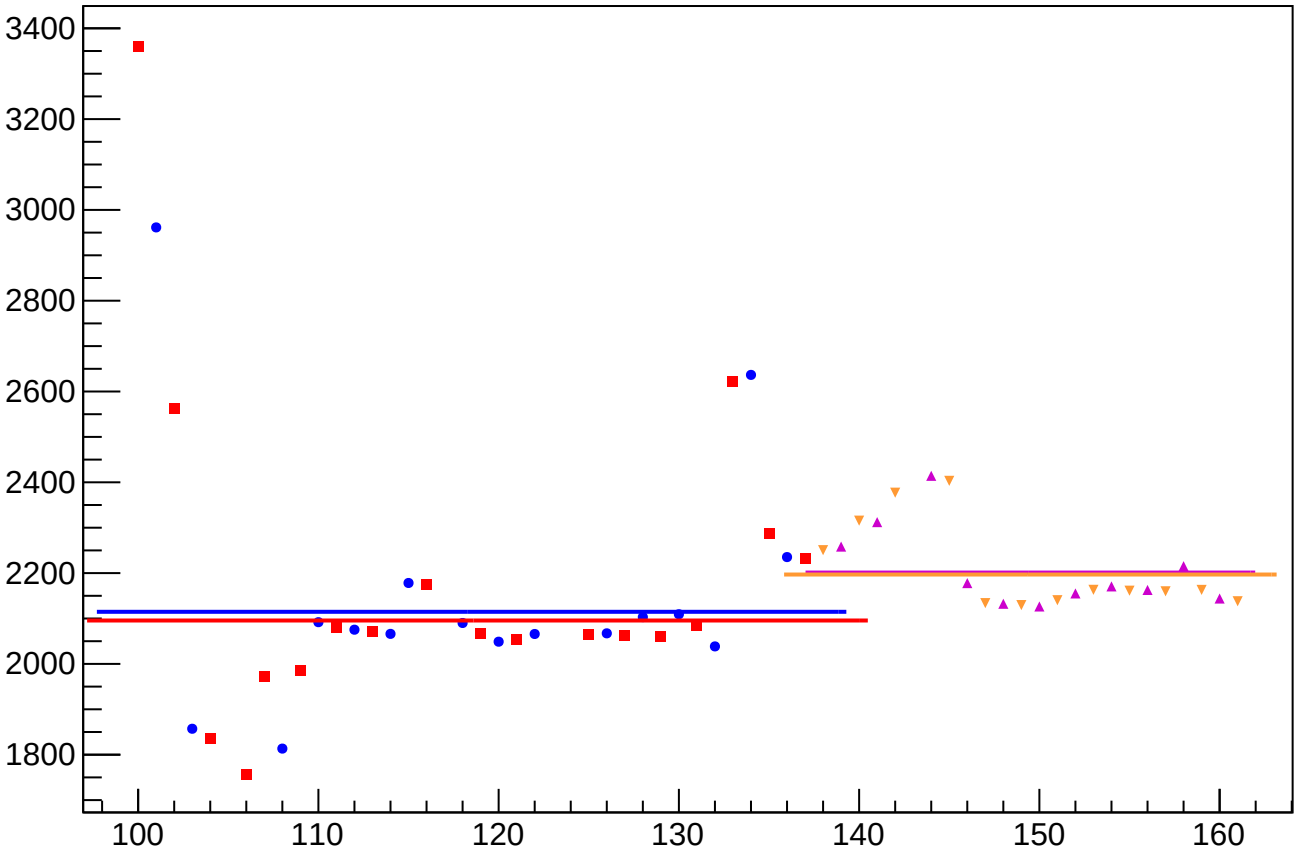
Left: -291.362+/-503.344 χ^2/NDF: 27.0/22

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

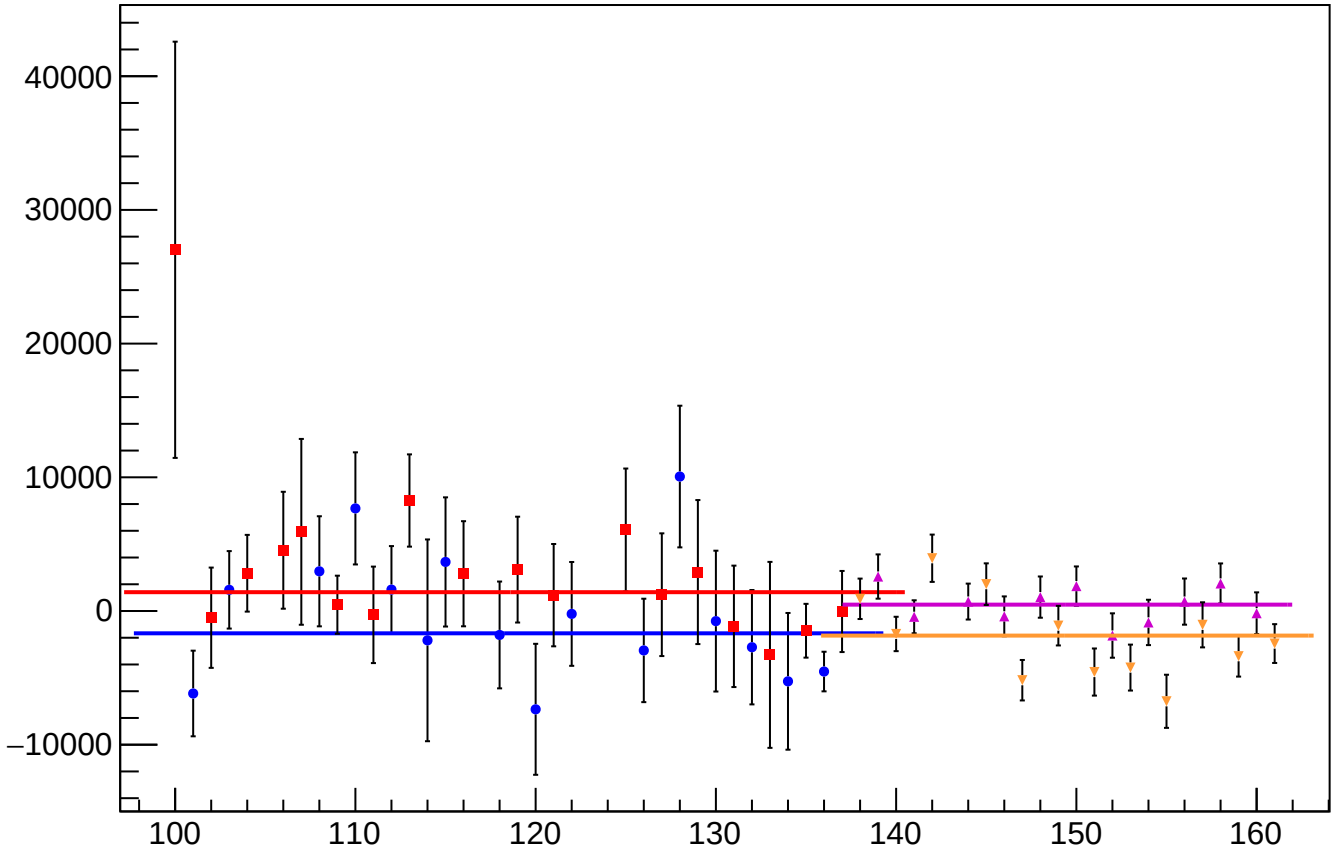
In: -1167.595+/-529.725 χ^2/NDF:20.1/26

Out: 169.927+/-527.214 χ^2/NDF:31.7/29

All: -495.657+/-373.681 χ^2/NDF: 55.0/56


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2196.867+/-0.503 χ²/NDF:29656.4/11
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2201.202+/-0.504 χ²/NDF:26279.9/10
Left: 2199.031+/-0.356 χ²/NDF: 55973.4/22
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2162.546+/-0.375 χ²/NDF:229367.9/26
Out: 2151.244+/-0.373 χ²/NDF:197284.7/29
All: 2156.868+/-0.264 χ²/NDF: 427110.0/56

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: -1839.278+/-454.656 χ^2/NDF:37.1/11

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 475.811+/-455.867 χ^2/NDF:7.4/10

Left: -684.813+/-321.918 χ^2/NDF: 57.4/22

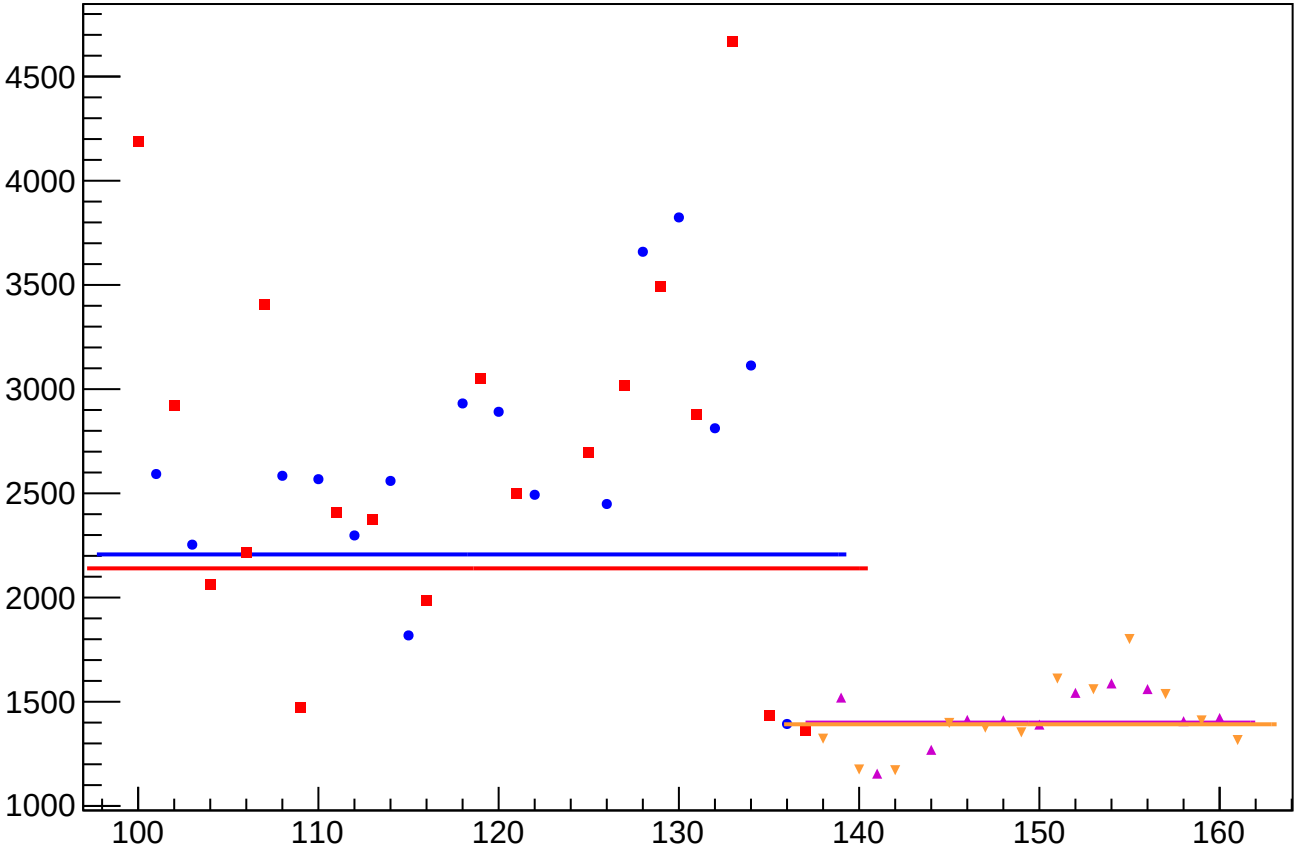
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 7.272+/-402.997 χ^2/NDF:34.7/26

Out: -1113.007+/-400.599 χ^2/NDF:61.5/29

All: -556.210+/-284.110 χ^2/NDF: 100.1/56

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: 1391.916+/-0.321 χ^2/NDF:249187.6/11

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

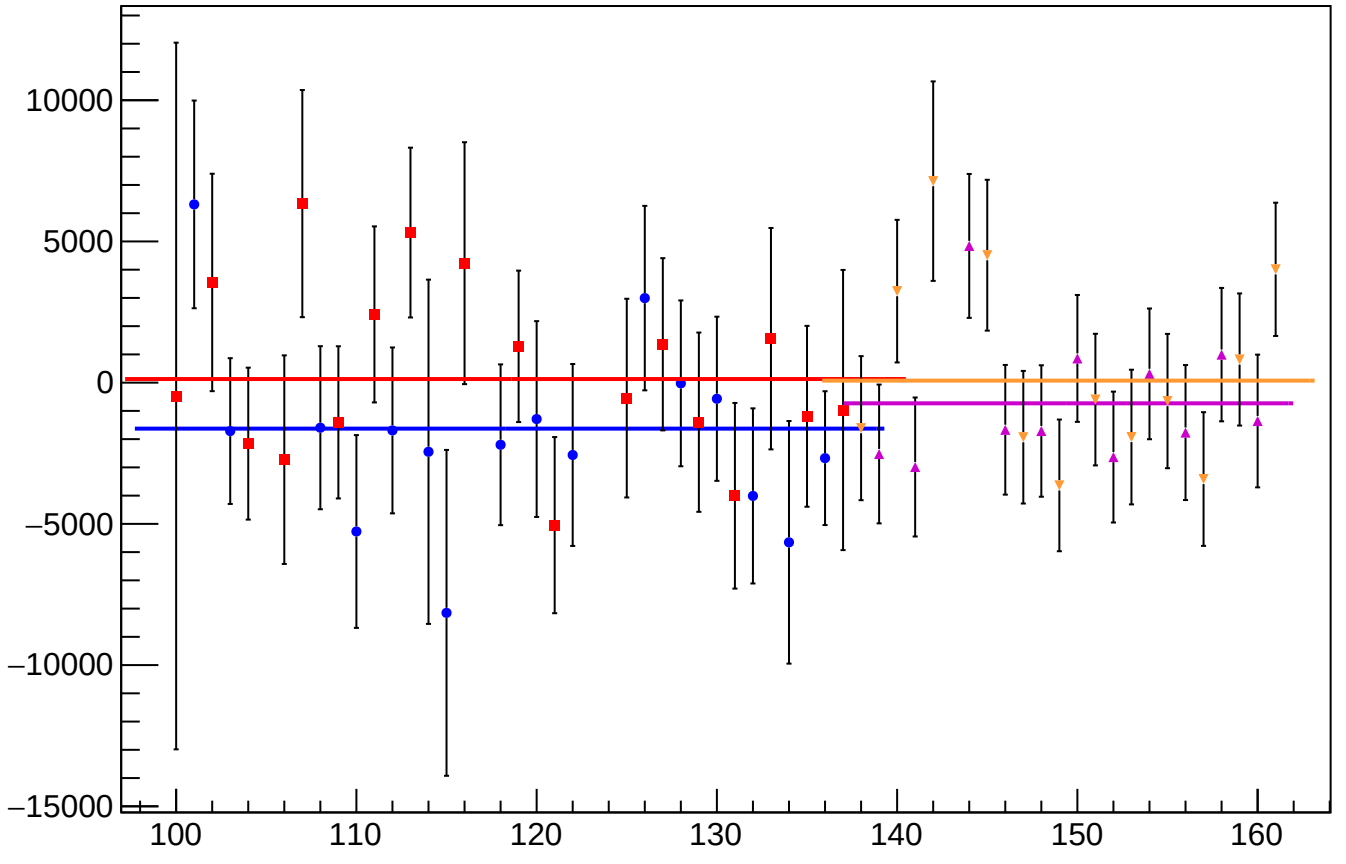
Left: 1395.947+/-0.228 χ^2/NDF: 415241.7/22

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1576.315+/-0.285 χ^2/NDF:2783985.6/26

Out: 1559.243+/-0.283 χ^2/NDF:2908758.4/29

All: 1567.728+/-0.201 χ^2/NDF: 5694549.3/56



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 72.226+/-711.678 χ^2/NDF:18.0/11

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -731.532+/-713.240 χ^2/NDF:8.7/10

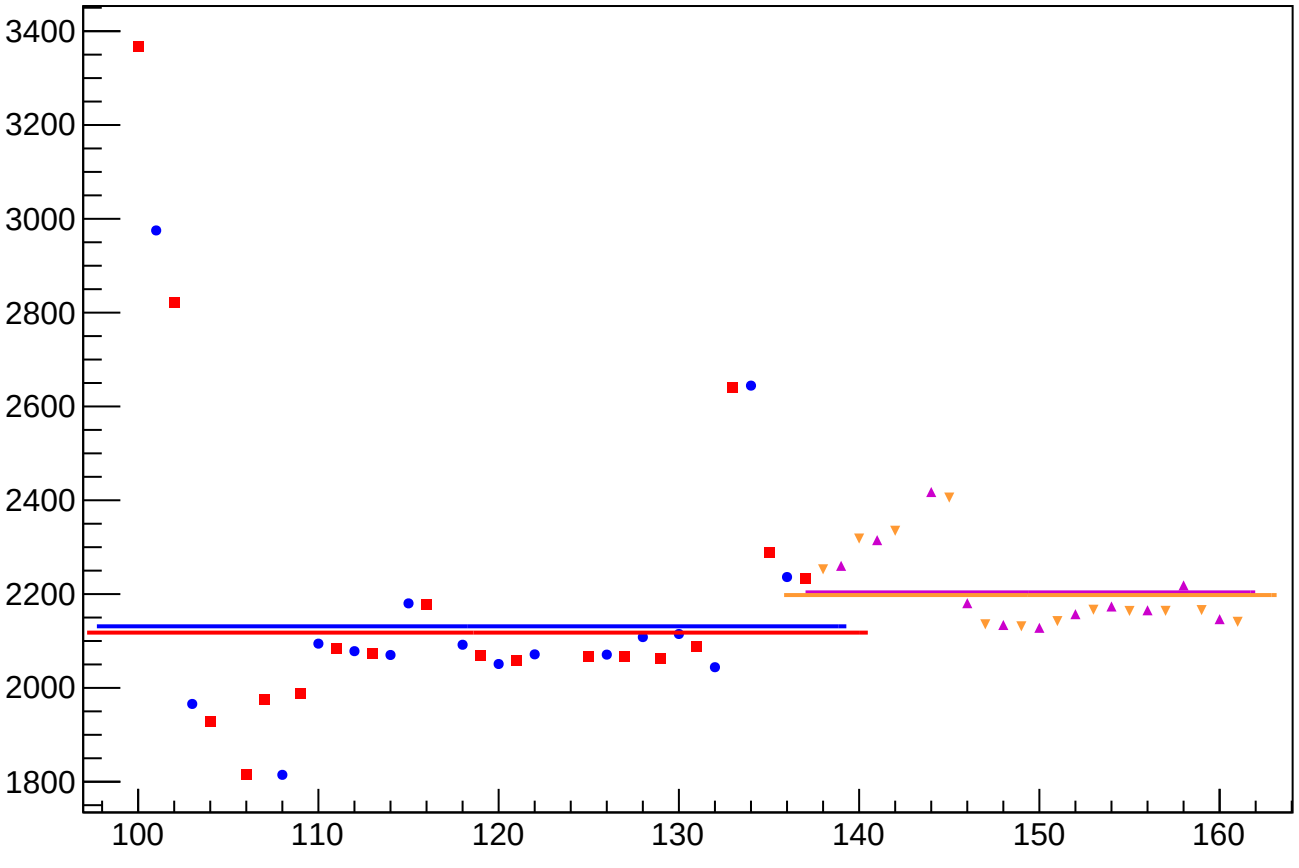
Left: -328.772+/-503.784 χ^2/NDF: 27.3/22

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1129.500+/-531.778 χ^2/NDF:20.7/26

Out: 97.051+/-530.518 χ^2/NDF:32.5/29

All: -514.771+/-375.578 χ^2/NDF: 55.9/56



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2197.937+/-0.503 χ^2/NDF:27482.1/11

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2203.634+/-0.504 χ^2/NDF:26412.9/10

Left: 2200.780+/-0.356 χ^2/NDF: 53959.0/22

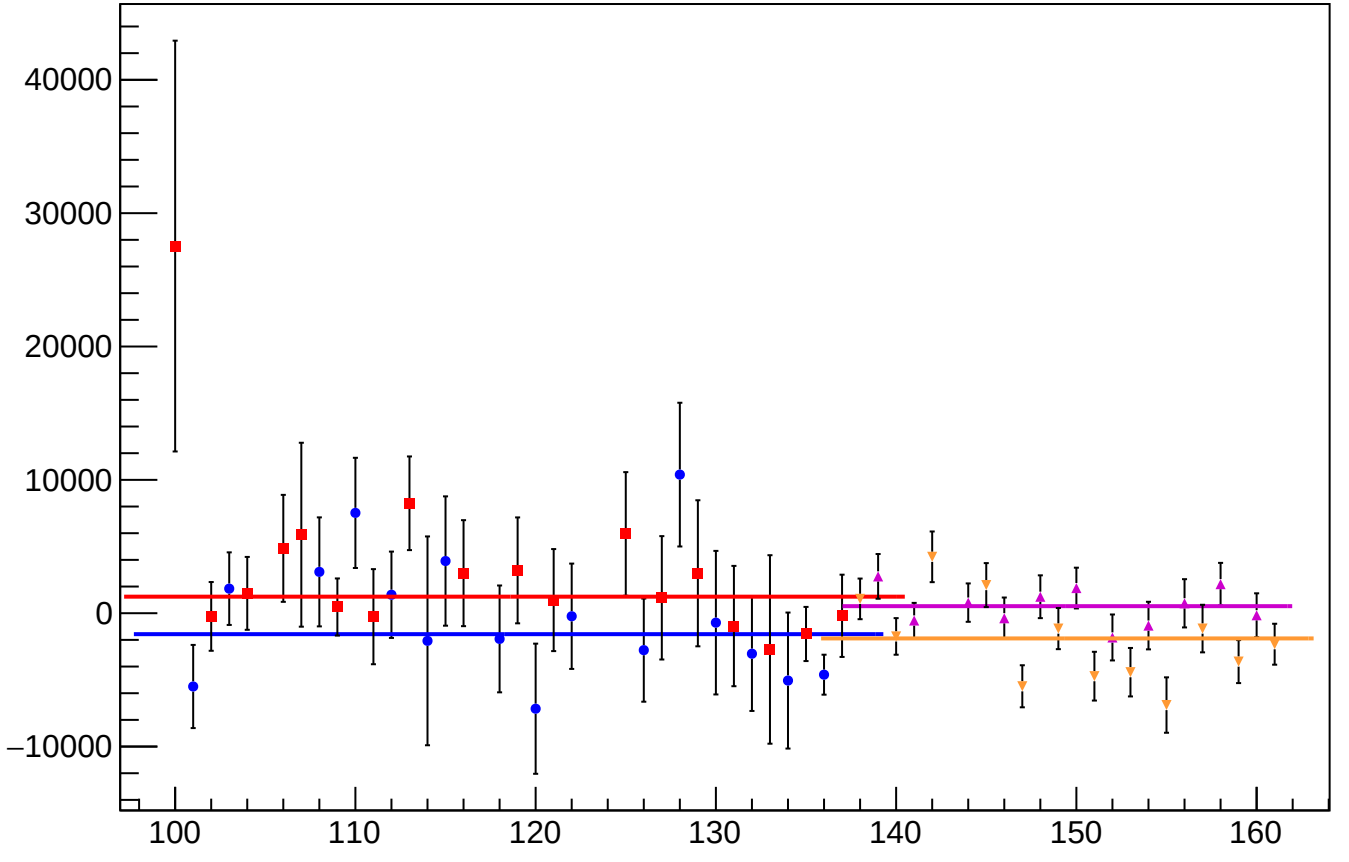
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2171.509+/-0.376 χ^2/NDF:211492.3/26

Out: 2162.361+/-0.375 χ^2/NDF:202353.1/29

All: 2166.924+/-0.266 χ^2/NDF: 414142.0/56

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1891.294+/-477.544 χ^2/NDF:37.0/11

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 528.839+/-478.820 χ^2/NDF:7.6/10

Left: -684.456+/-338.125 χ^2/NDF: 57.4/22

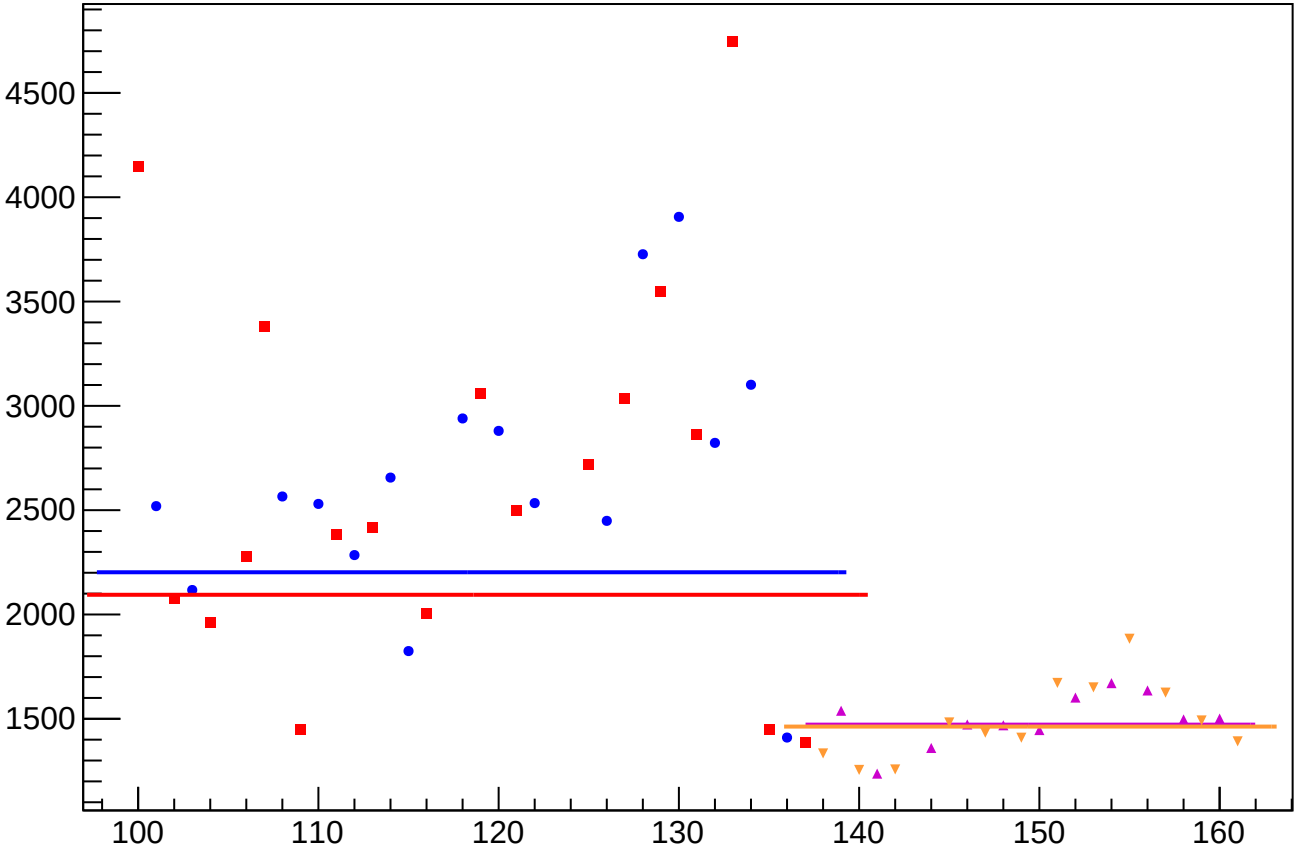
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 31.708+/-418.320 χ^2/NDF:34.7/26

Out: -1097.679+/-412.637 χ^2/NDF:61.0/29

All: -540.710+/-293.767 χ^2/NDF: 99.4/56

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1462.698+/-0.338 χ^2/NDF:238011.0/11

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1472.003+/-0.339 χ^2/NDF:132756.0/10

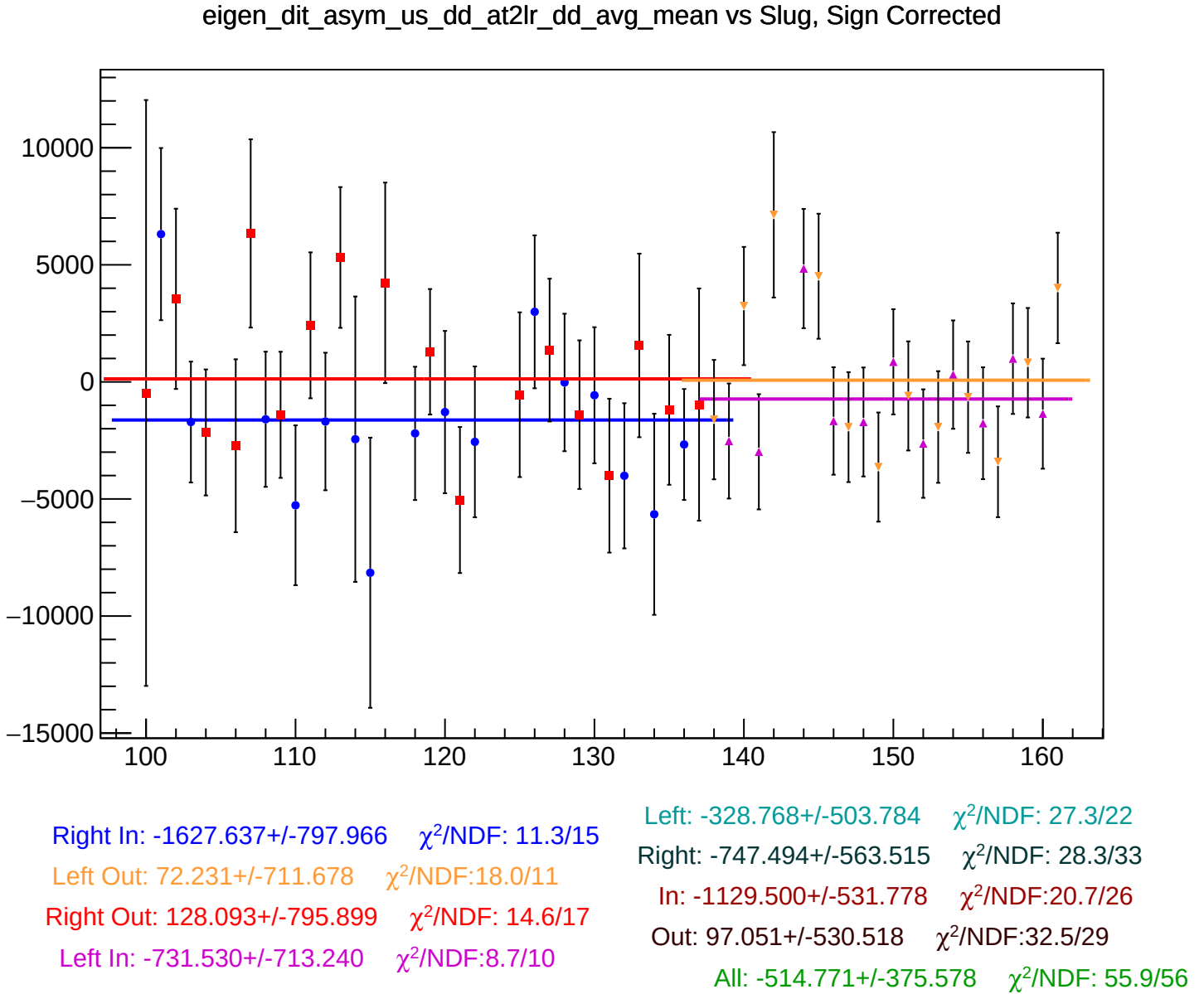
Left: 1467.338+/-0.239 χ^2/NDF: 371145.6/22

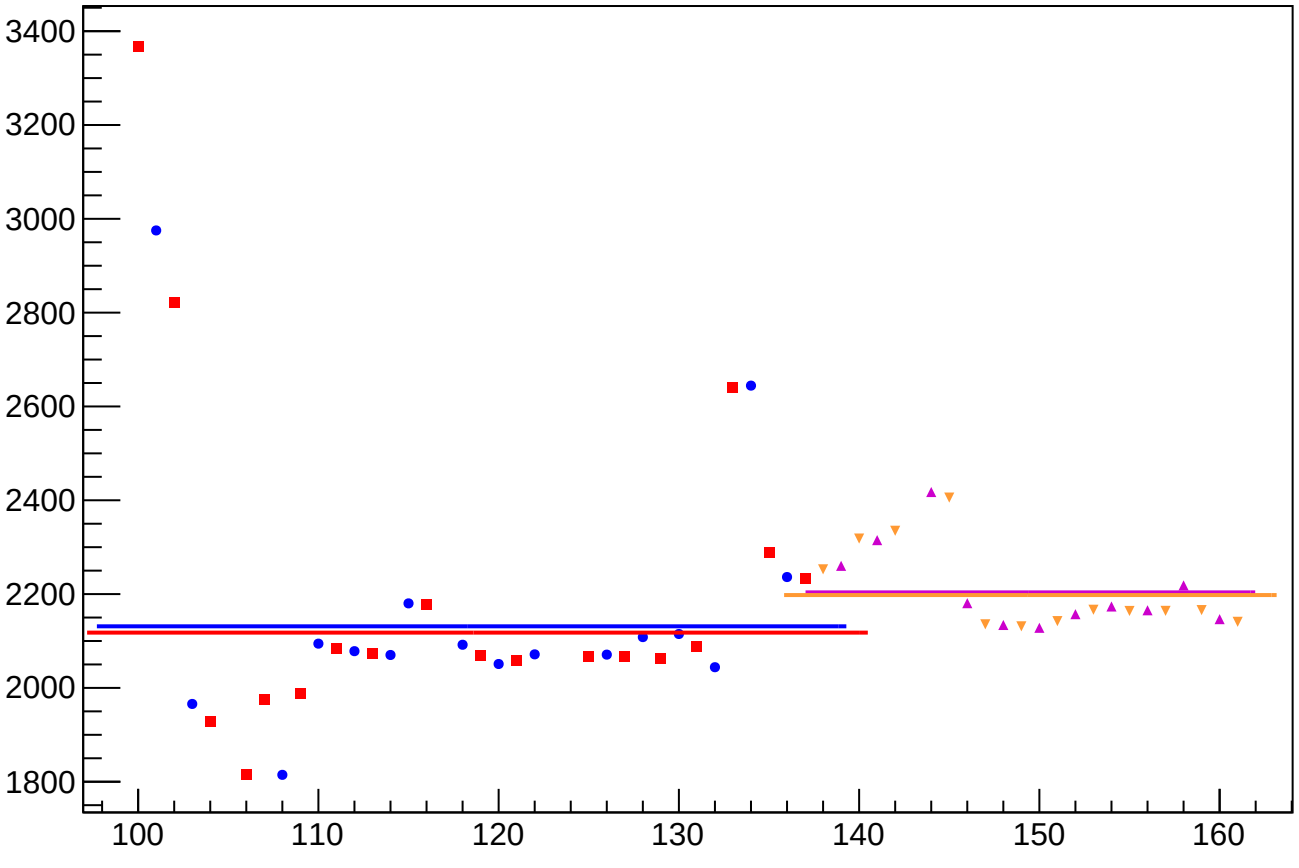
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1644.911+/-0.296 χ^2/NDF:2457380.6/26

Out: 1622.761+/-0.292 χ^2/NDF:2498506.5/29

All: 1633.684+/-0.208 χ^2/NDF: 4958729.3/56


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 72.231+/-711.678 χ²/NDF:18.0/11
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -731.530+/-713.240 χ²/NDF:8.7/10
Left: -328.768+/-503.784 χ²/NDF: 27.3/22
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1129.500+/-531.778 χ²/NDF:20.7/26
Out: 97.051+/-530.518 χ²/NDF:32.5/29
All: -514.771+/-375.578 χ²/NDF: 55.9/56



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2197.937+/-0.503 χ^2/NDF:27482.2/11

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2203.634+/-0.504 χ^2/NDF:26413.0/10

Left: 2200.780+/-0.356 χ^2/NDF: 53959.1/22

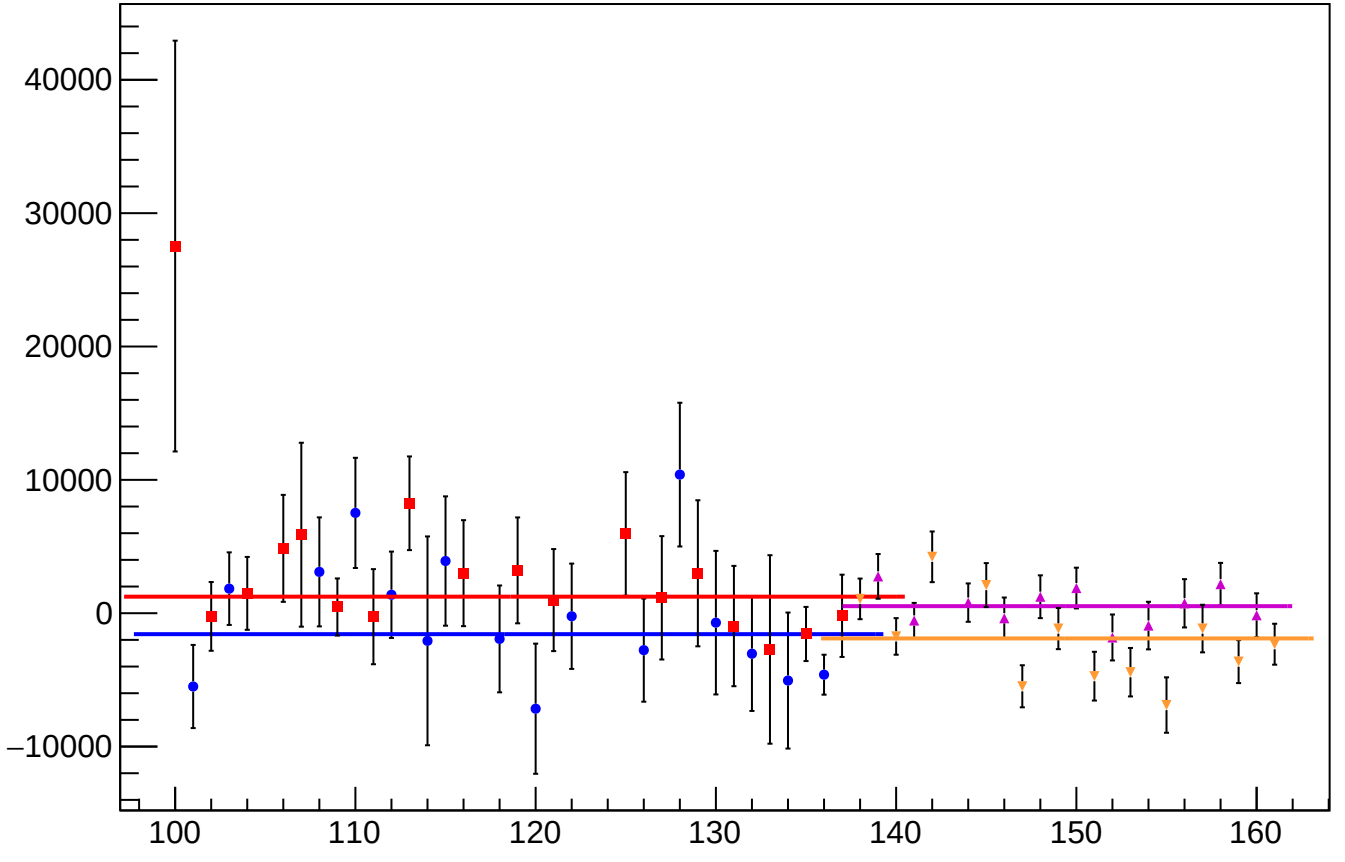
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2171.509+/-0.376 χ^2/NDF:211492.4/26

Out: 2162.361+/-0.375 χ^2/NDF:202353.1/29

All: 2166.924+/-0.266 χ^2/NDF: 414142.1/56

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1891.305+/-477.545 χ^2/NDF:37.0/11

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 528.835+/-478.821 χ^2/NDF:7.6/10

Left: -684.462+/-338.126 χ^2/NDF: 57.4/22

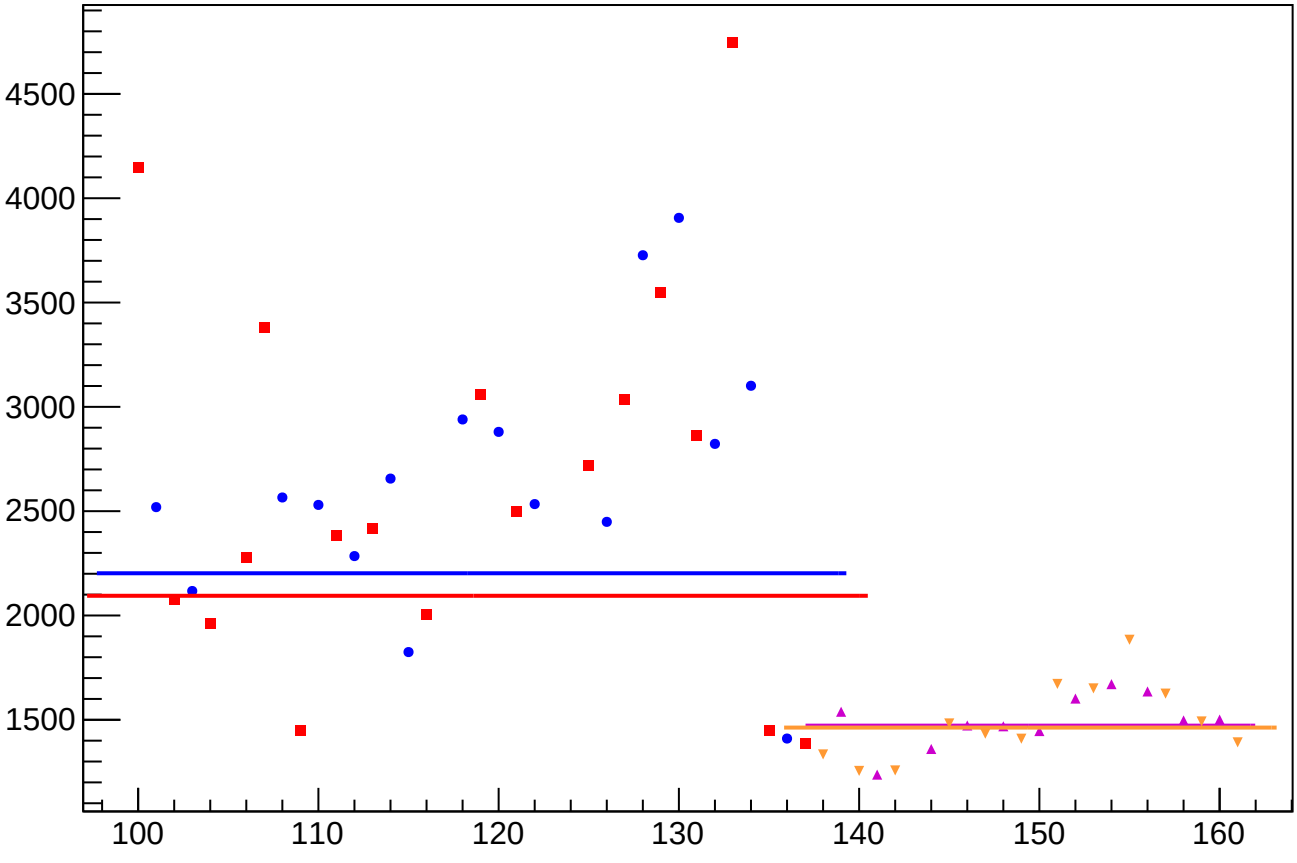
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 31.710+/-418.321 χ^2/NDF:34.7/26

Out: -1097.685+/-412.638 χ^2/NDF:61.0/29

All: -540.712+/-293.768 χ^2/NDF: 99.4/56

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1462.702+/-0.338 χ^2/NDF:238001.5/11

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1472.005+/-0.339 χ^2/NDF:132756.7/10

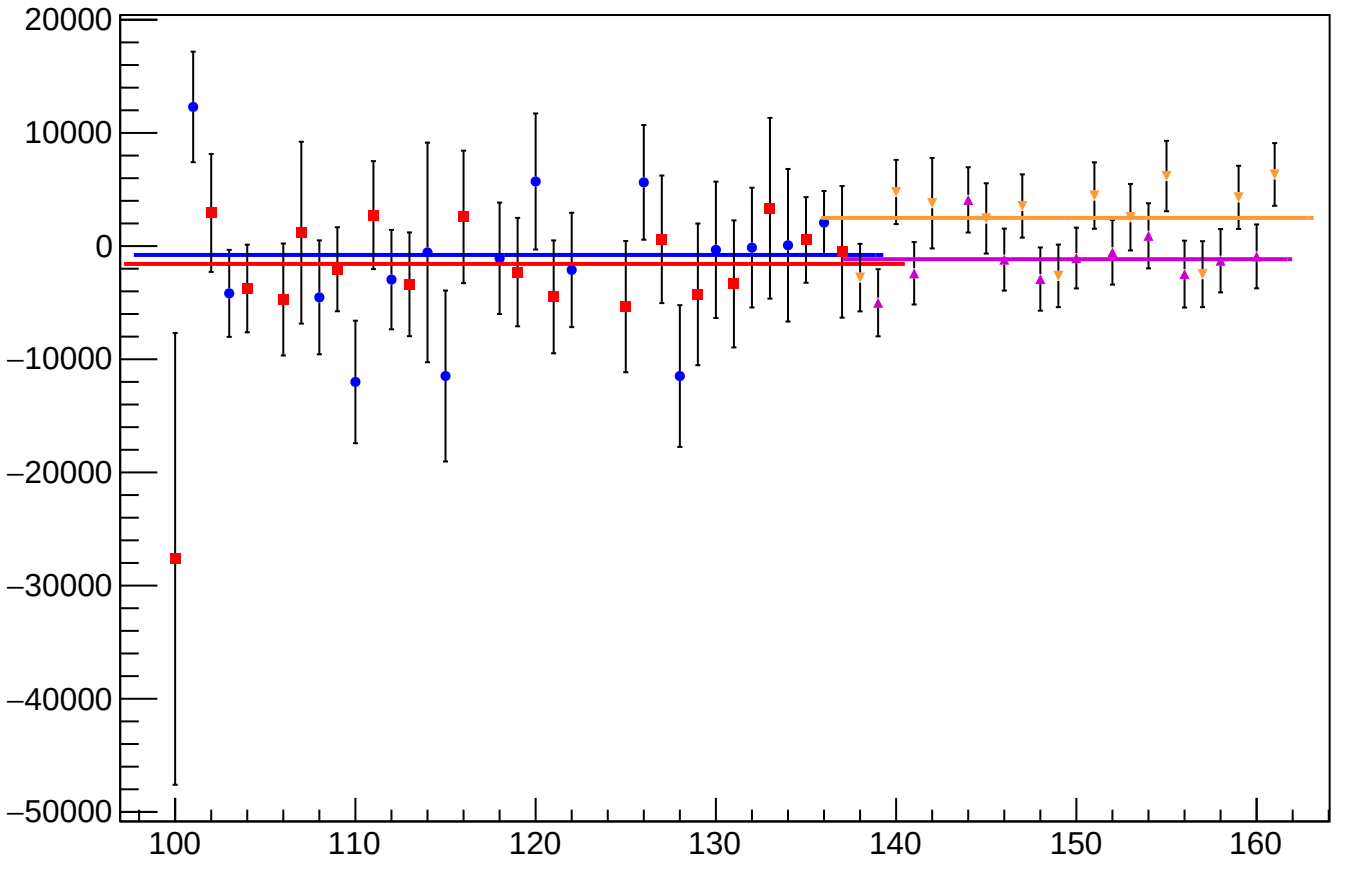
Left: 1467.341+/-0.239 χ^2/NDF: 371136.7/22

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1644.915+/-0.296 χ^2/NDF:2457346.1/26

Out: 1622.766+/-0.292 χ^2/NDF:2498467.2/29

All: 1633.689+/-0.208 χ^2/NDF: 4958655.1/56



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2490.452+/-853.249 χ^2/NDF:14.6/11

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1157.960+/-852.201 χ^2/NDF:6.4/10

Left: 664.004+/-602.968 χ^2/NDF: 30.1/22

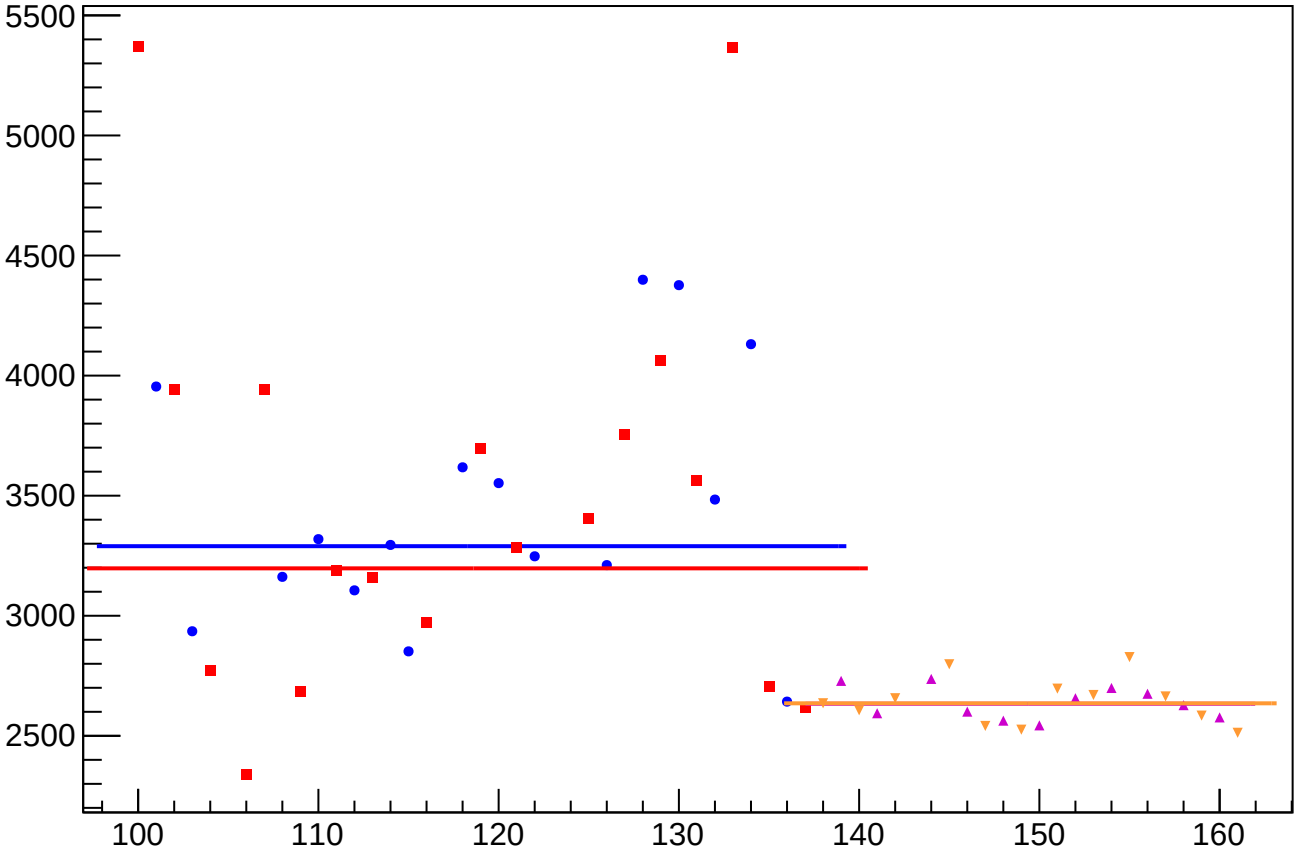
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1037.455+/-702.639 χ^2/NDF:28.3/26

Out: 1153.648+/-699.015 χ^2/NDF:28.8/29

All: 63.761+/-495.555 χ^2/NDF: 62.0/56

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2635.372+/-0.603 χ^2/NDF:24781.2/11

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2633.494+/-0.603 χ^2/NDF:11237.4/10

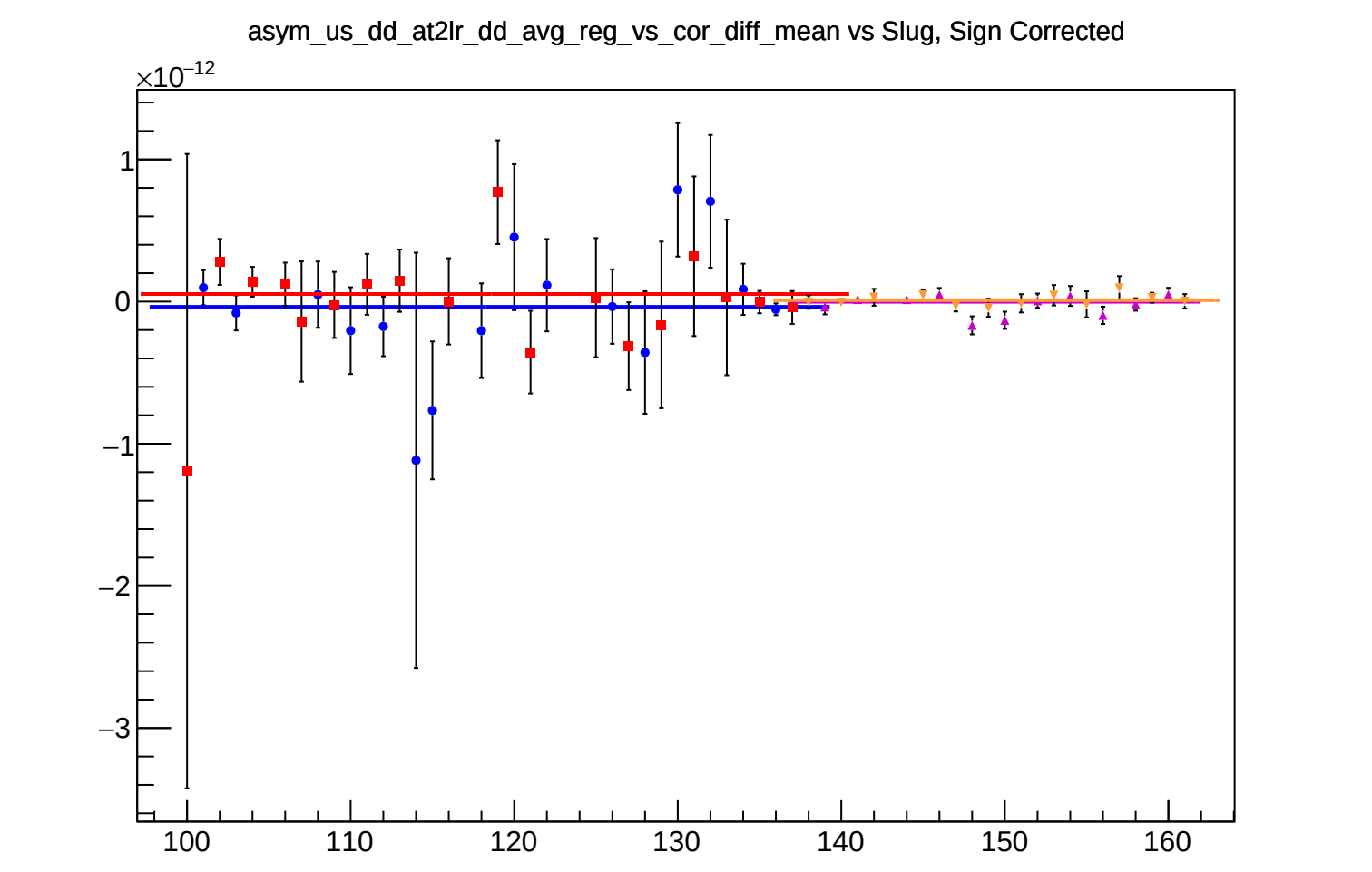
Left: 2634.432+/-0.426 χ^2/NDF: 36023.5/22

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2843.609+/-0.497 χ^2/NDF:738527.4/26

Out: 2820.189+/-0.494 χ^2/NDF:810052.4/29

All: 2831.838+/-0.350 χ^2/NDF: 1549696.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:18.1/10

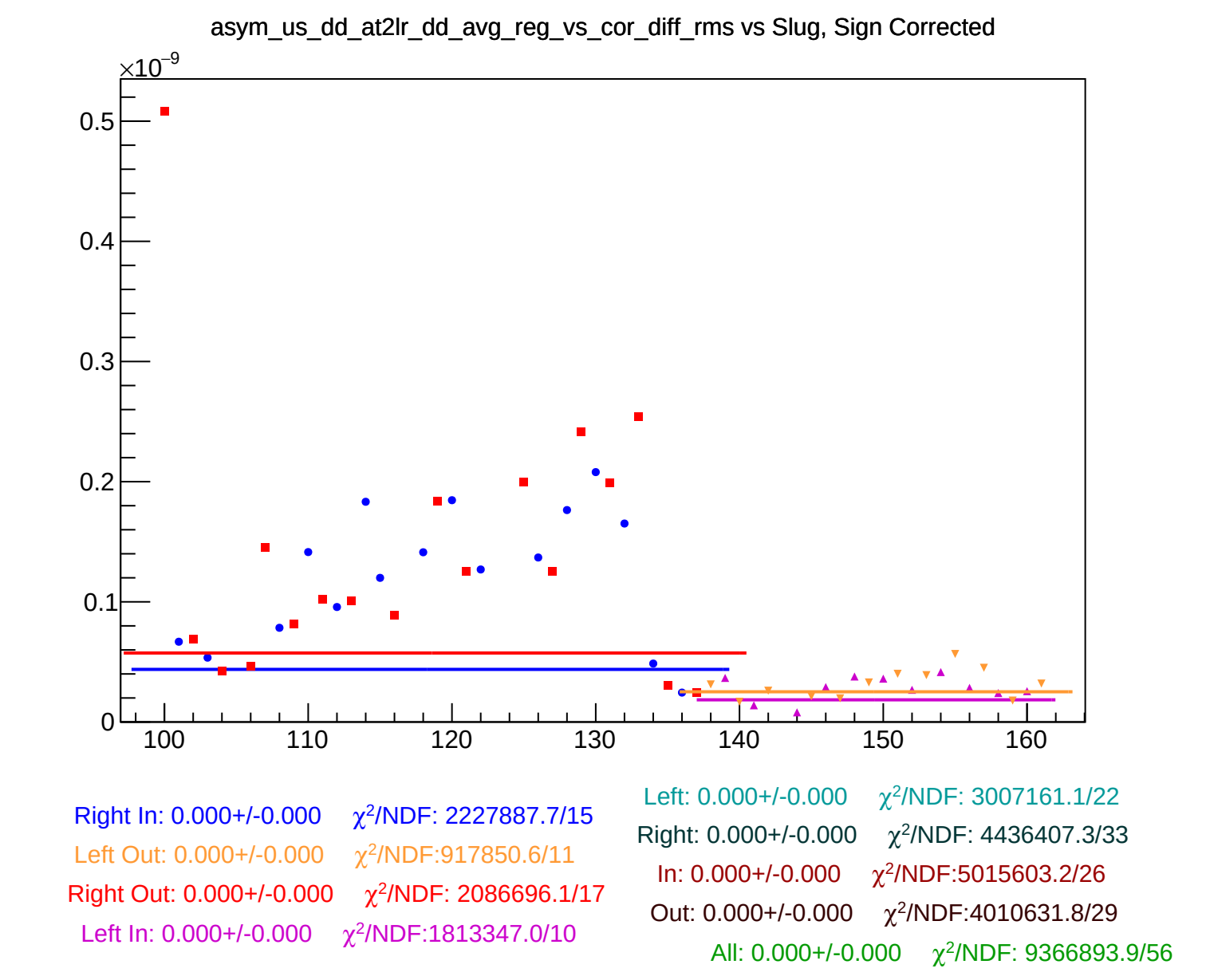
Left: 0.000+/-0.000 χ^2/NDF: 23.2/22

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

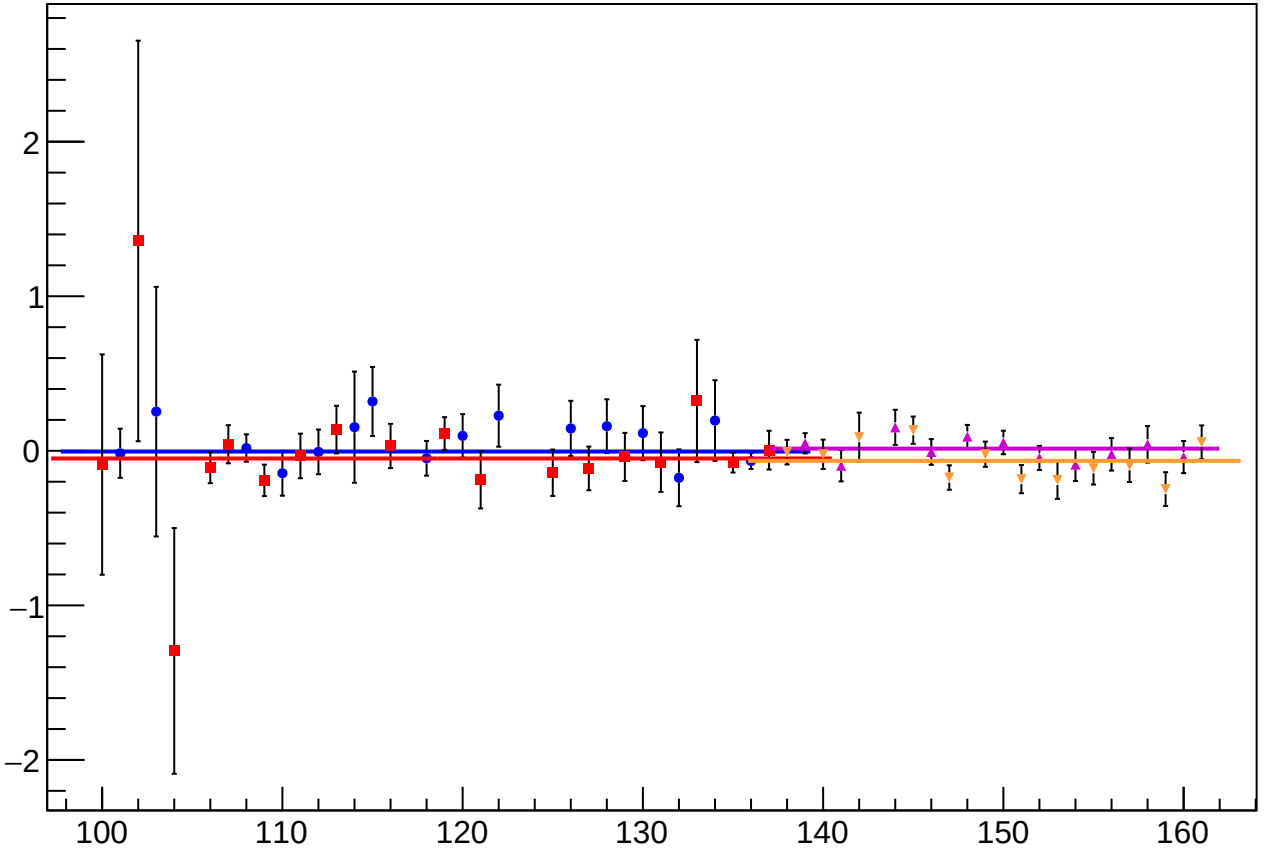
In: -0.000+/-0.000 χ^2/NDF:32.2/26

Out: 0.000+/-0.000 χ^2/NDF:18.2/29

All: 0.000+/-0.000 χ^2/NDF: 51.6/56


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:917850.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1813347.0/10
Left: 0.000+/-0.000 χ²/NDF: 3007161.1/22
Right: 0.000+/-0.000 χ²/NDF: 4436407.3/33
In: 0.000+/-0.000 χ²/NDF:5015603.2/26
Out: 0.000+/-0.000 χ²/NDF:4010631.8/29
All: 0.000+/-0.000 χ²/NDF: 9366893.9/56

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: -0.065+/-0.028 χ^2/NDF:15.8/11

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.023+/-0.019 χ^2/NDF: 26.4/22

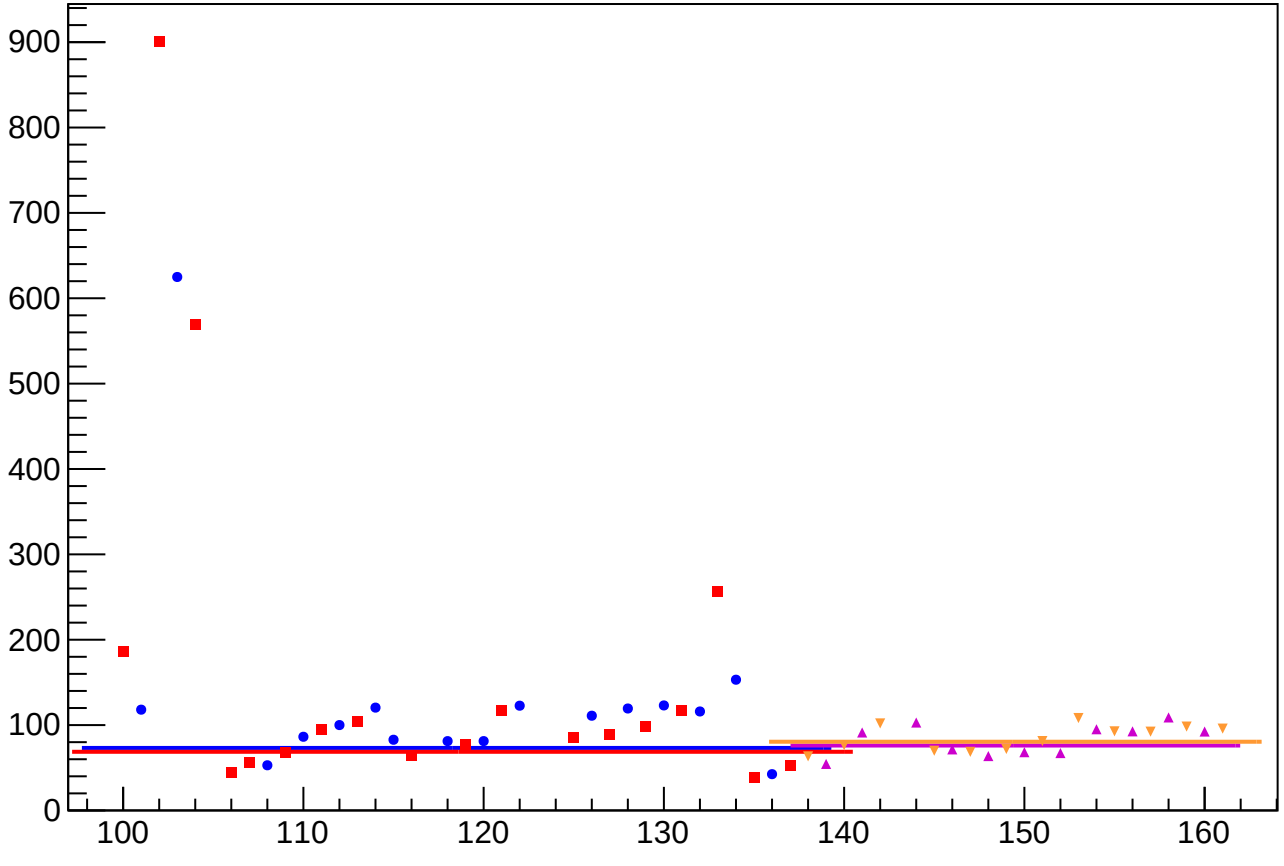
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.058+/-0.021 χ^2/NDF:29.0/29

All: -0.025+/-0.015 χ^2/NDF: 50.7/56

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: 80.505+/-0.020 χ^2/NDF:474070.6/11

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

Left: 78.173+/-0.014 χ^2/NDF: 1299468.6/22

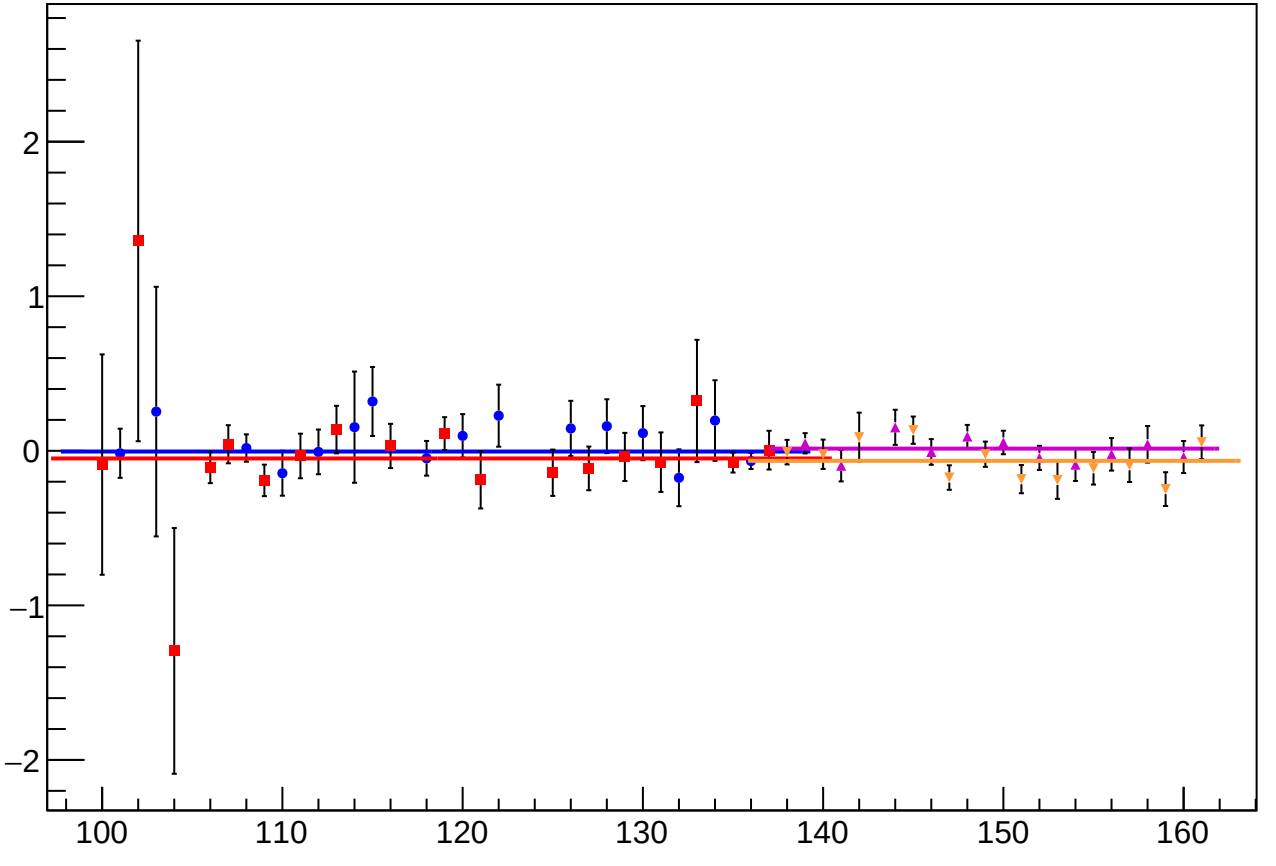
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.914+/-0.015 χ^2/NDF:3662705.2/26

Out: 75.336+/-0.015 χ^2/NDF:3961228.0/29

All: 75.121+/-0.010 χ^2/NDF: 7624345.4/56

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: -0.065+/-0.028 χ^2/NDF:15.8/11

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.023+/-0.019 χ^2/NDF: 26.4/22

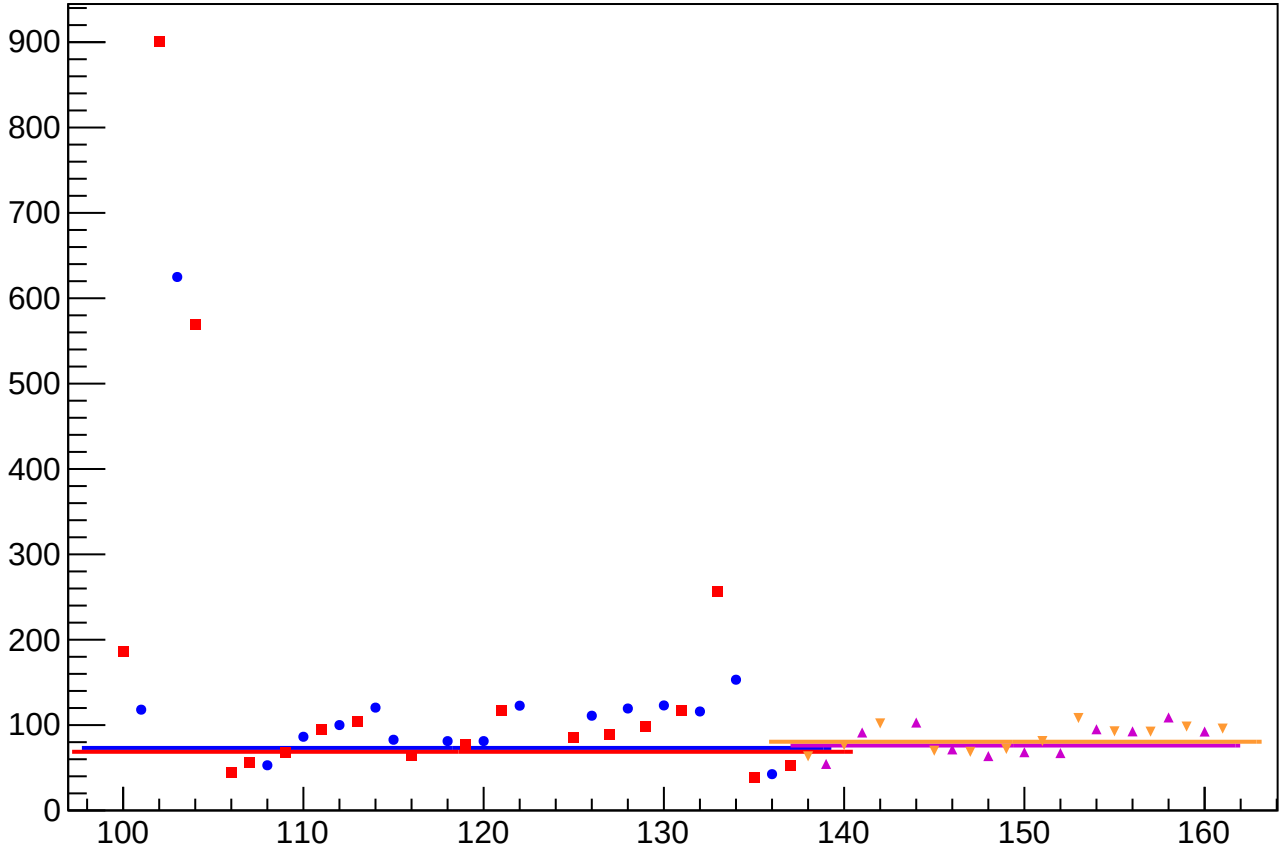
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.058+/-0.021 χ^2/NDF:29.0/29

All: -0.025+/-0.015 χ^2/NDF: 50.7/56

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: 80.505+/-0.020 χ^2/NDF:474070.6/11

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

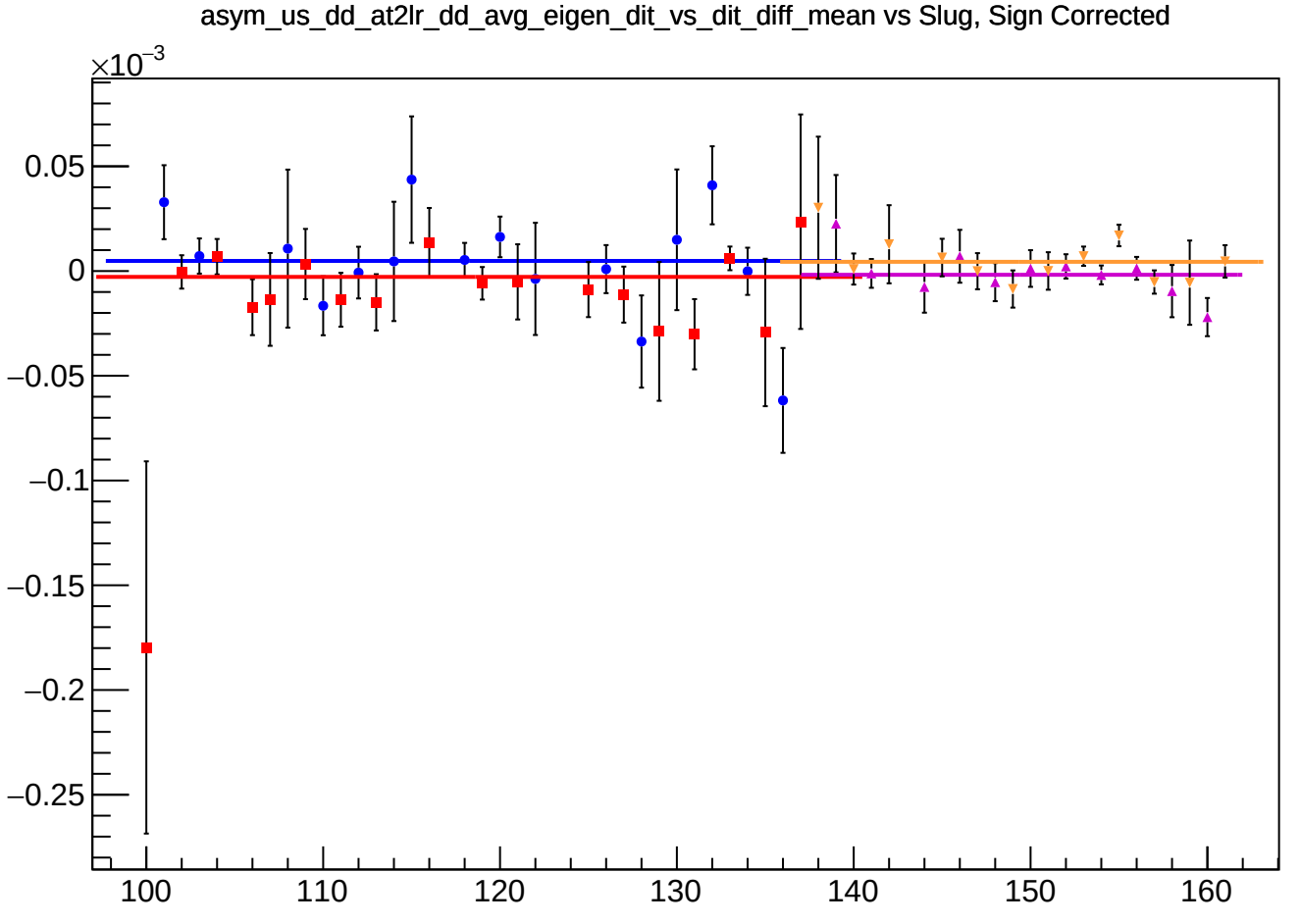
Left: 78.173+/-0.014 χ^2/NDF: 1299468.6/22

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.914+/-0.015 χ^2/NDF:3662705.2/26

Out: 75.336+/-0.015 χ^2/NDF:3961228.0/29

All: 75.121+/-0.010 χ^2/NDF: 7624345.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.2/10

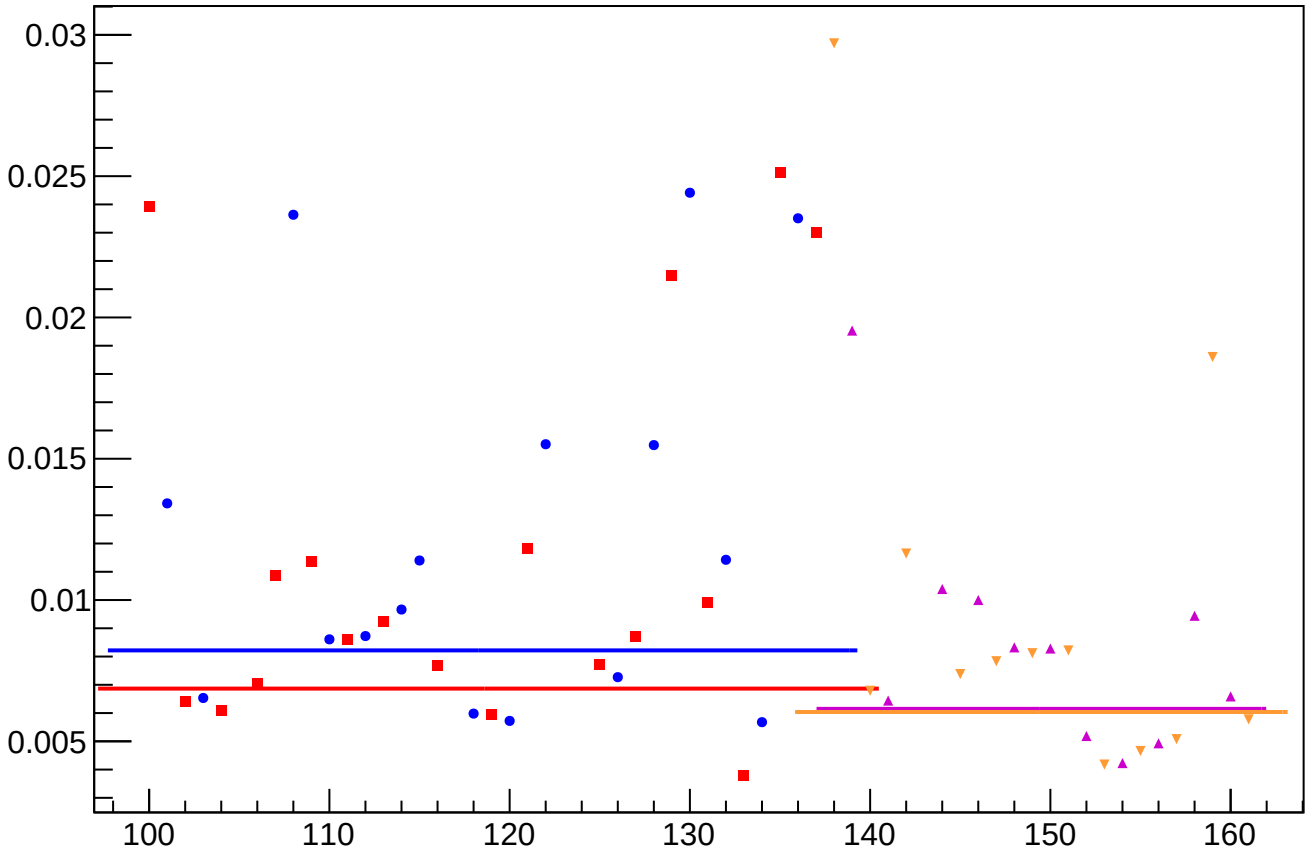
Left: 0.000+/-0.000 χ^2/NDF: 25.3/22

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:33.3/26

Out: 0.000+/-0.000 χ^2/NDF:34.1/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/56



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2846167.8/11

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1986151.0/10

Left: 0.006+/-0.000 χ^2/NDF: 4834782.2/22

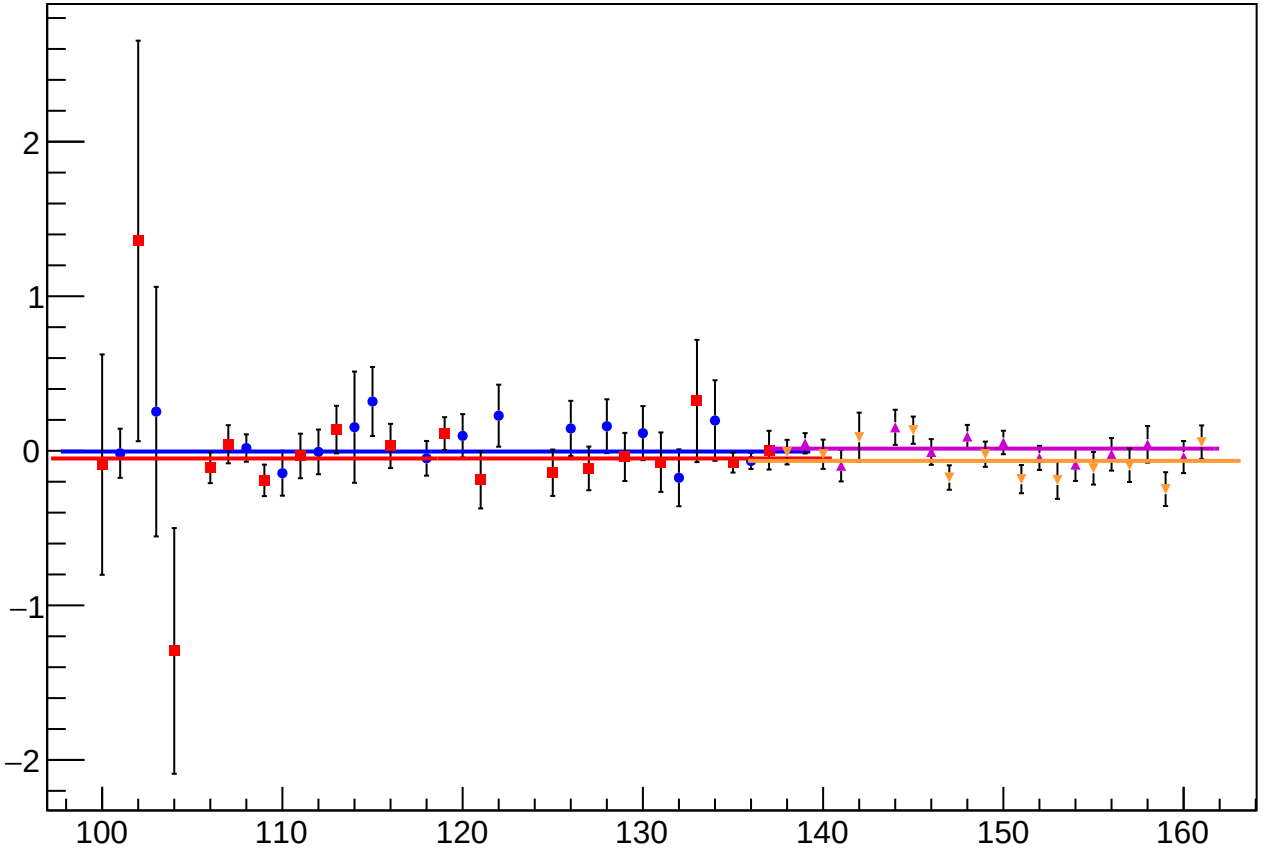
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5134368.4/26

Out: 0.006+/-0.000 χ^2/NDF:5379543.8/29

All: 0.007+/-0.000 χ^2/NDF: 10567481.7/56

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: -0.065+/-0.028 χ^2/NDF:15.8/11

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.023+/-0.019 χ^2/NDF: 26.4/22

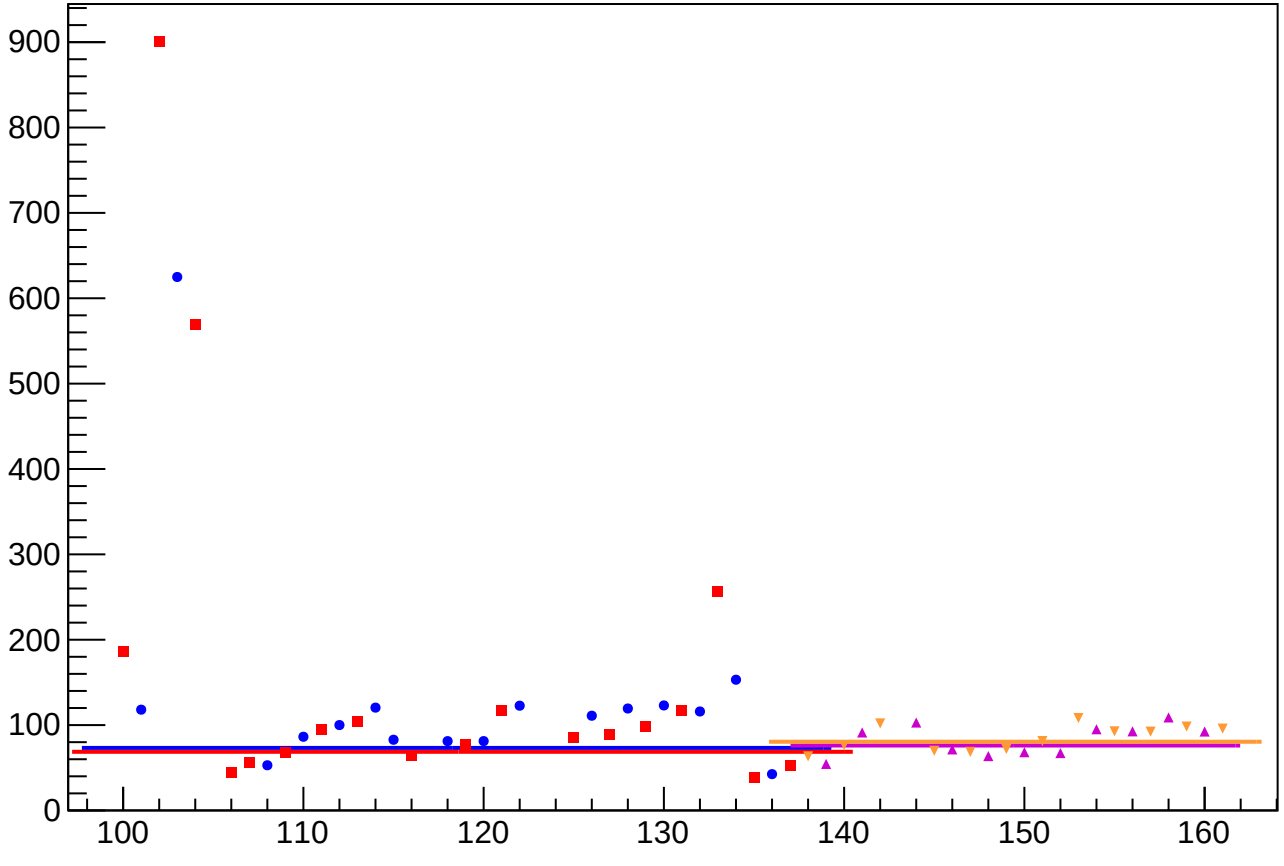
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.058+/-0.021 χ^2/NDF:29.0/29

All: -0.025+/-0.015 χ^2/NDF: 50.8/56

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: 80.505+/-0.020 χ^2/NDF:474026.7/11

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 76.064+/-0.019 χ^2/NDF:798737.0/10

Left: 78.174+/-0.014 χ^2/NDF: 1299181.3/22

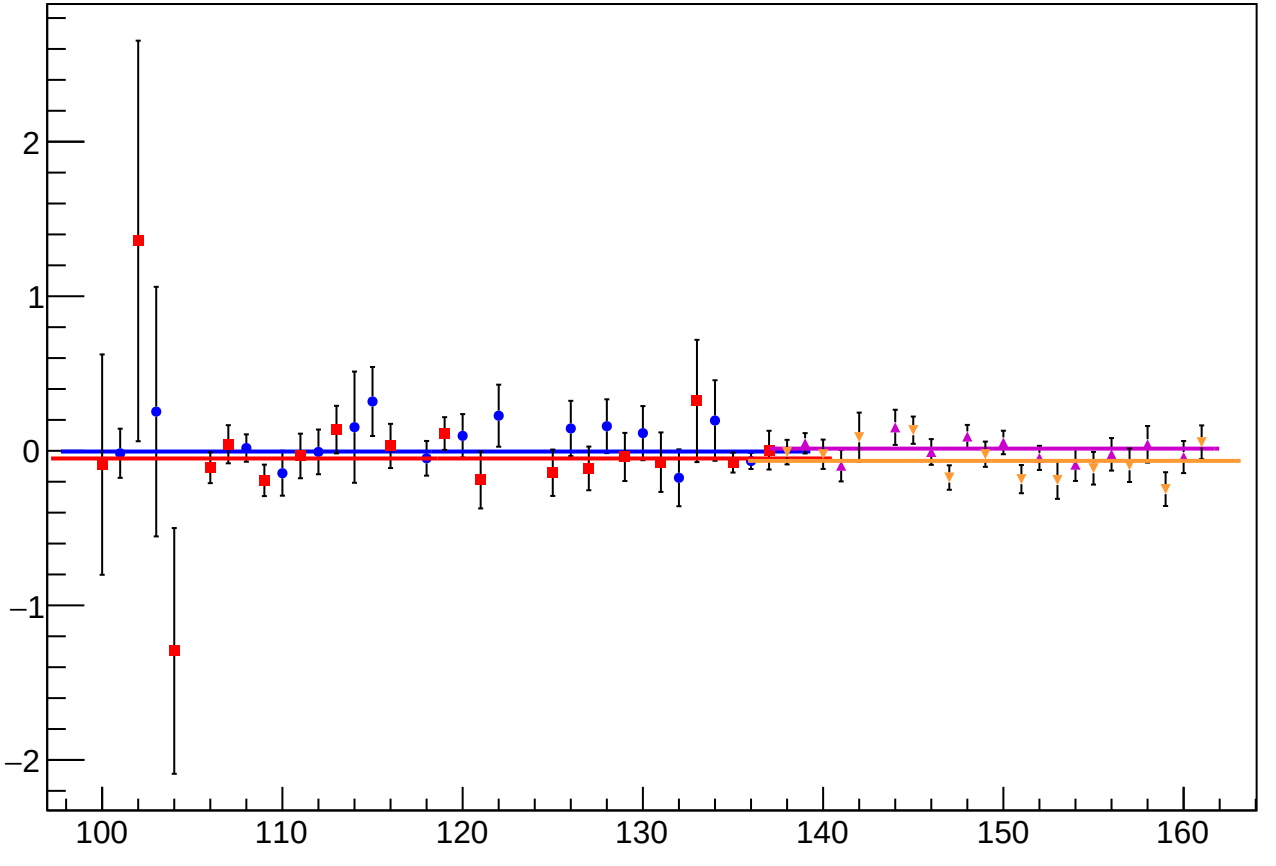
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.926+/-0.015 χ^2/NDF:3660041.5/26

Out: 75.330+/-0.015 χ^2/NDF:3962507.6/29

All: 75.124+/-0.010 χ^2/NDF: 7622928.7/56

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: -0.065+/-0.028 χ^2/NDF:15.8/11

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.027 χ^2/NDF:6.4/10

Left: -0.023+/-0.019 χ^2/NDF: 26.4/22

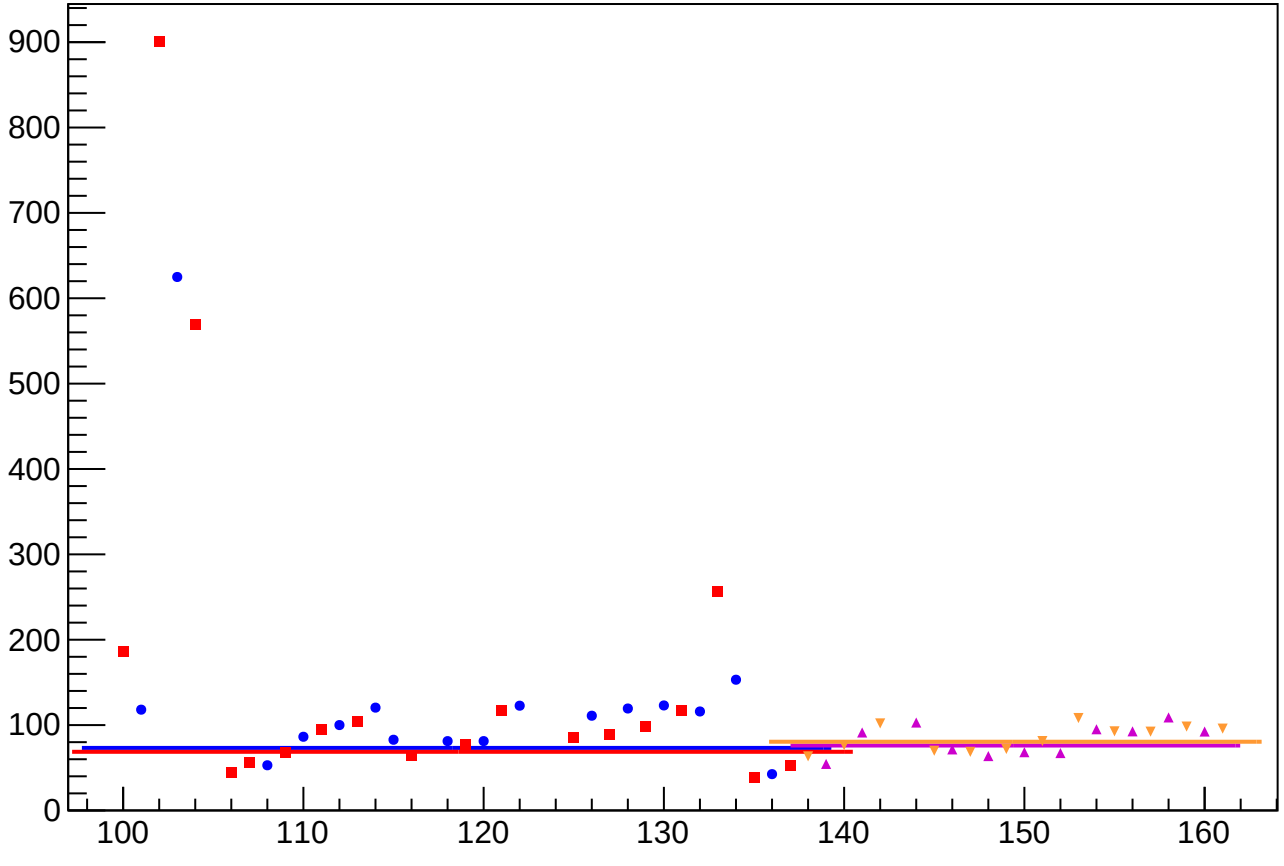
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.021 χ^2/NDF:16.9/26

Out: -0.058+/-0.021 χ^2/NDF:29.0/29

All: -0.025+/-0.015 χ^2/NDF: 50.8/56

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: 80.505+/-0.020 χ^2/NDF:474026.7/11

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 76.064+/-0.019 χ^2/NDF:798737.0/10

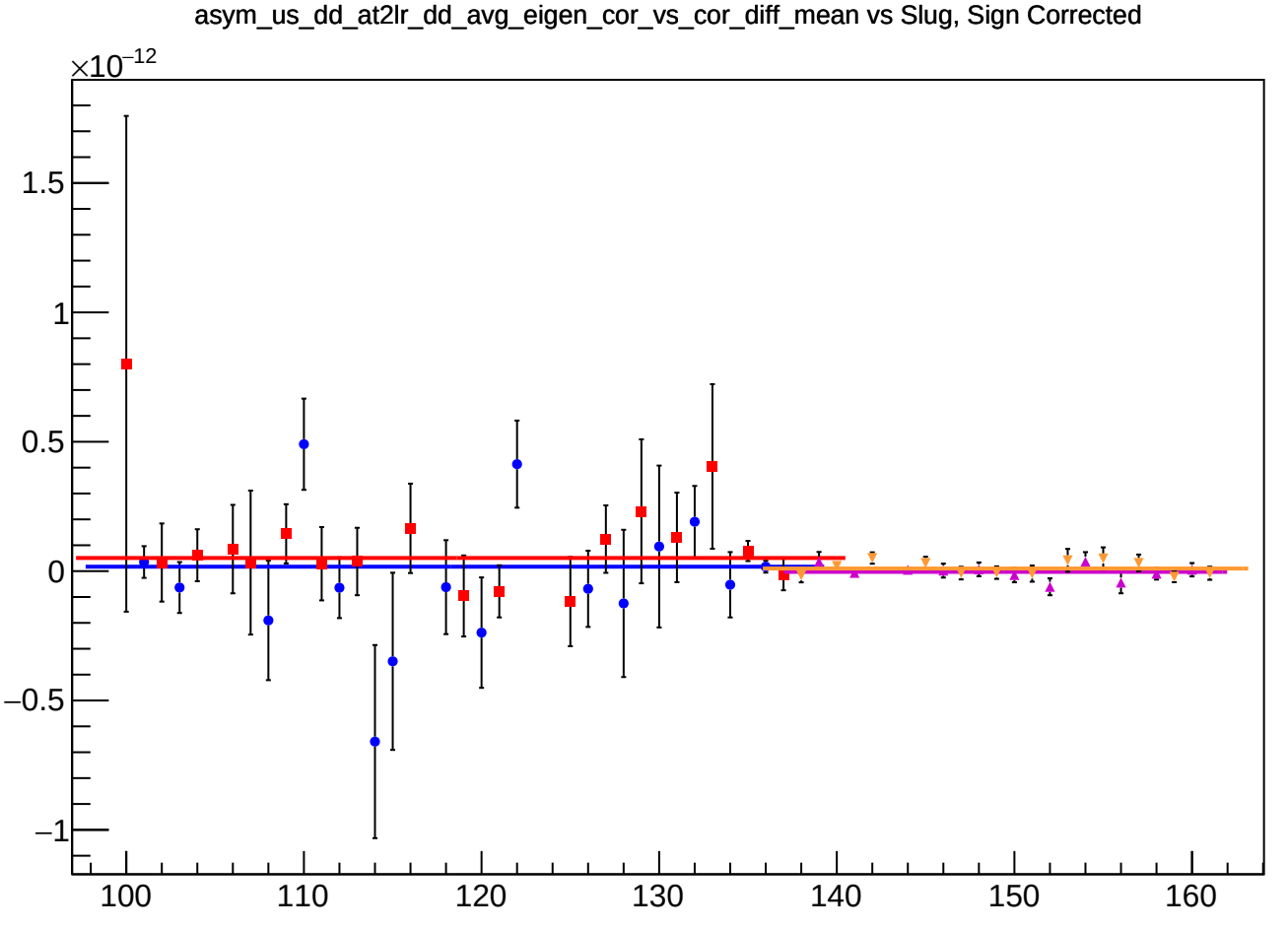
Left: 78.174+/-0.014 χ^2/NDF: 1299181.3/22

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.926+/-0.015 χ^2/NDF:3660041.5/26

Out: 75.330+/-0.015 χ^2/NDF:3962507.6/29

All: 75.124+/-0.010 χ^2/NDF: 7622928.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/10

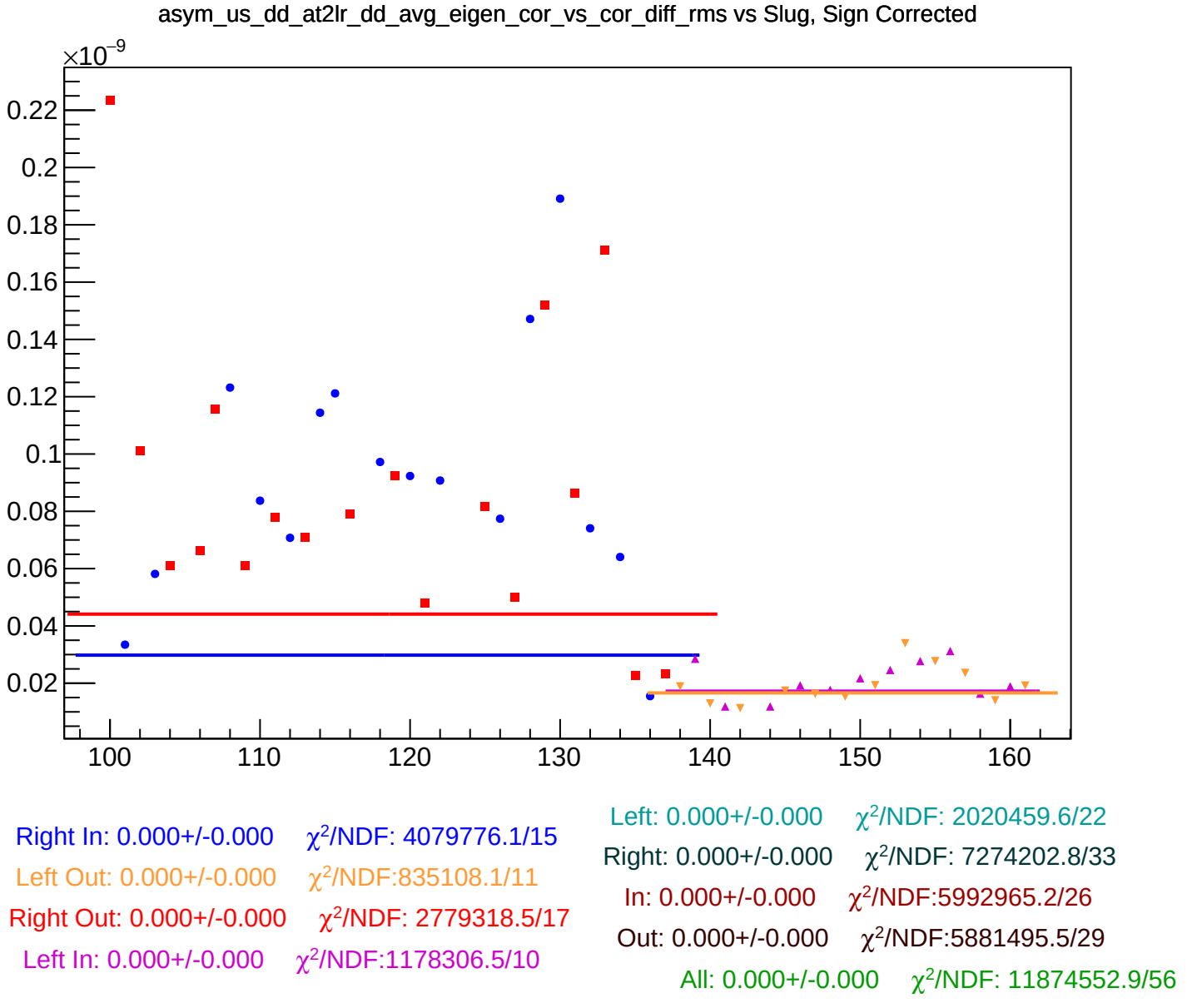
Left: 0.000+/-0.000 χ^2/NDF: 20.1/22

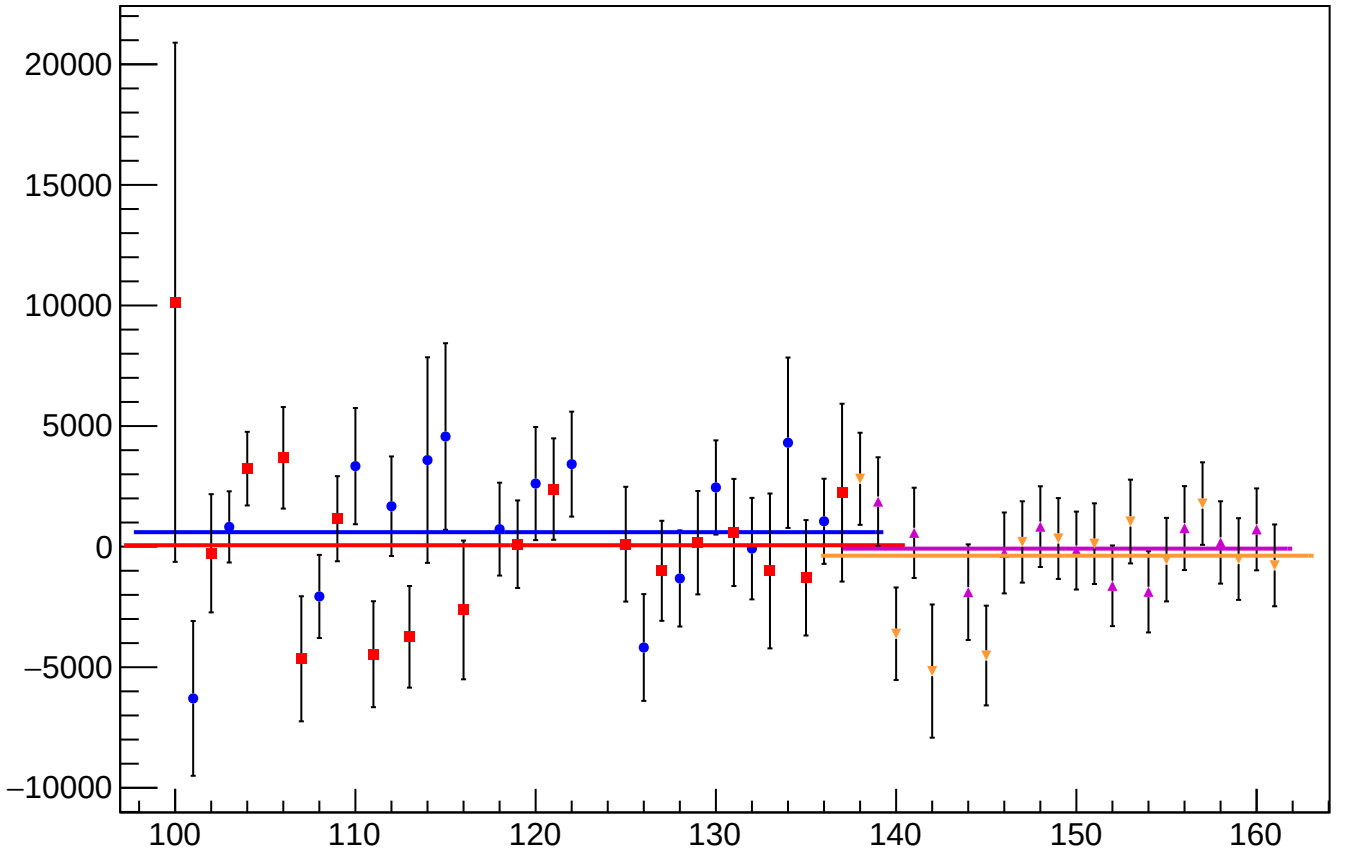
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:31.5/26

Out: 0.000+/-0.000 χ^2/NDF:22.9/29

All: 0.000+/-0.000 χ^2/NDF: 56.3/56


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:835108.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1178306.5/10
Left: 0.000+/-0.000 χ²/NDF: 2020459.6/22
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5992965.2/26
Out: 0.000+/-0.000 χ²/NDF:5881495.5/29
All: 0.000+/-0.000 χ²/NDF: 11874552.9/56



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.672+/-521.421 χ^2/NDF:15.4/11

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -82.300+/-522.655 χ^2/NDF:4.8/10

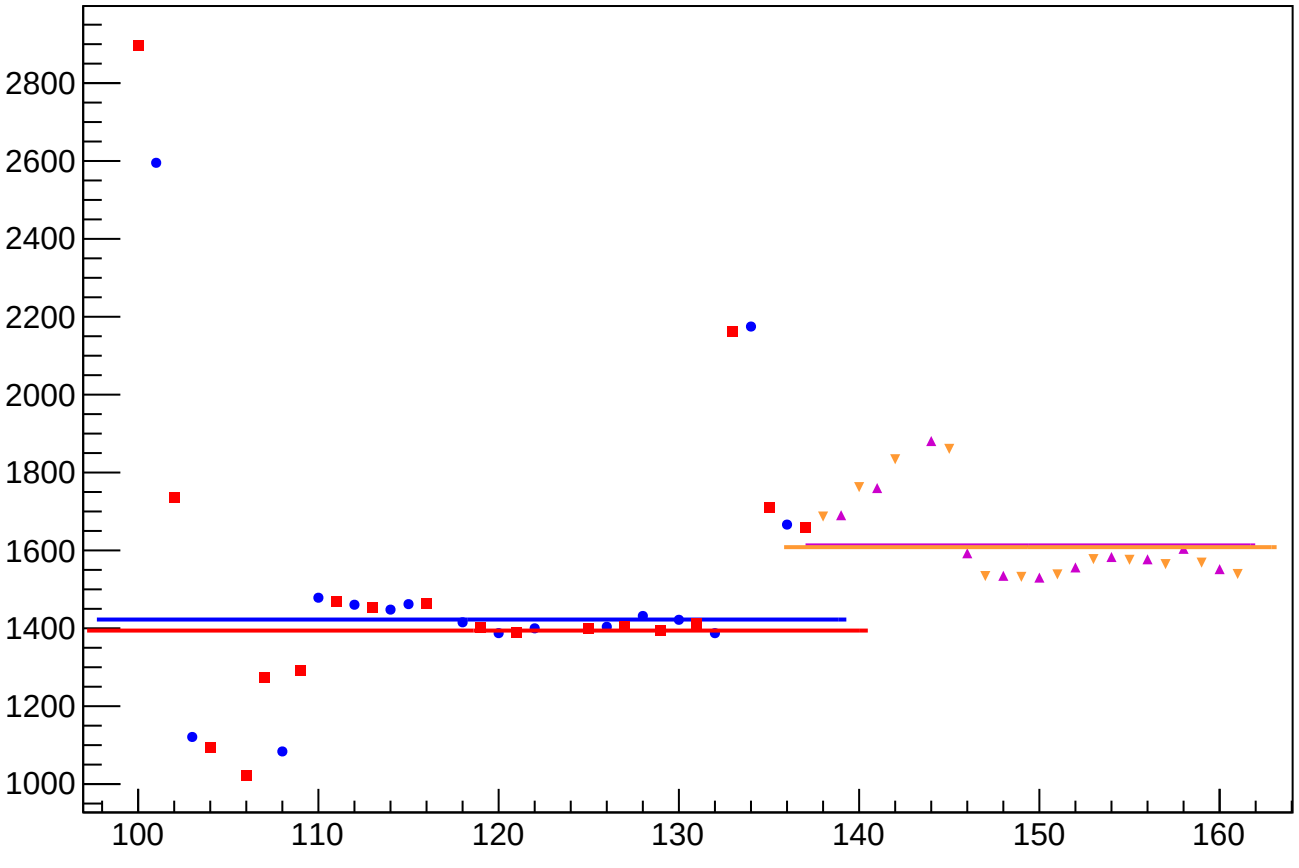
Left: -229.333+/-369.136 χ^2/NDF: 20.4/22

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 247.753+/-375.573 χ^2/NDF:26.0/26

Out: -161.922+/-371.768 χ^2/NDF:38.2/29

All: 40.830+/-264.215 χ^2/NDF: 64.8/56



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1608.370+/-0.369 χ^2/NDF:77972.1/11

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.5/10

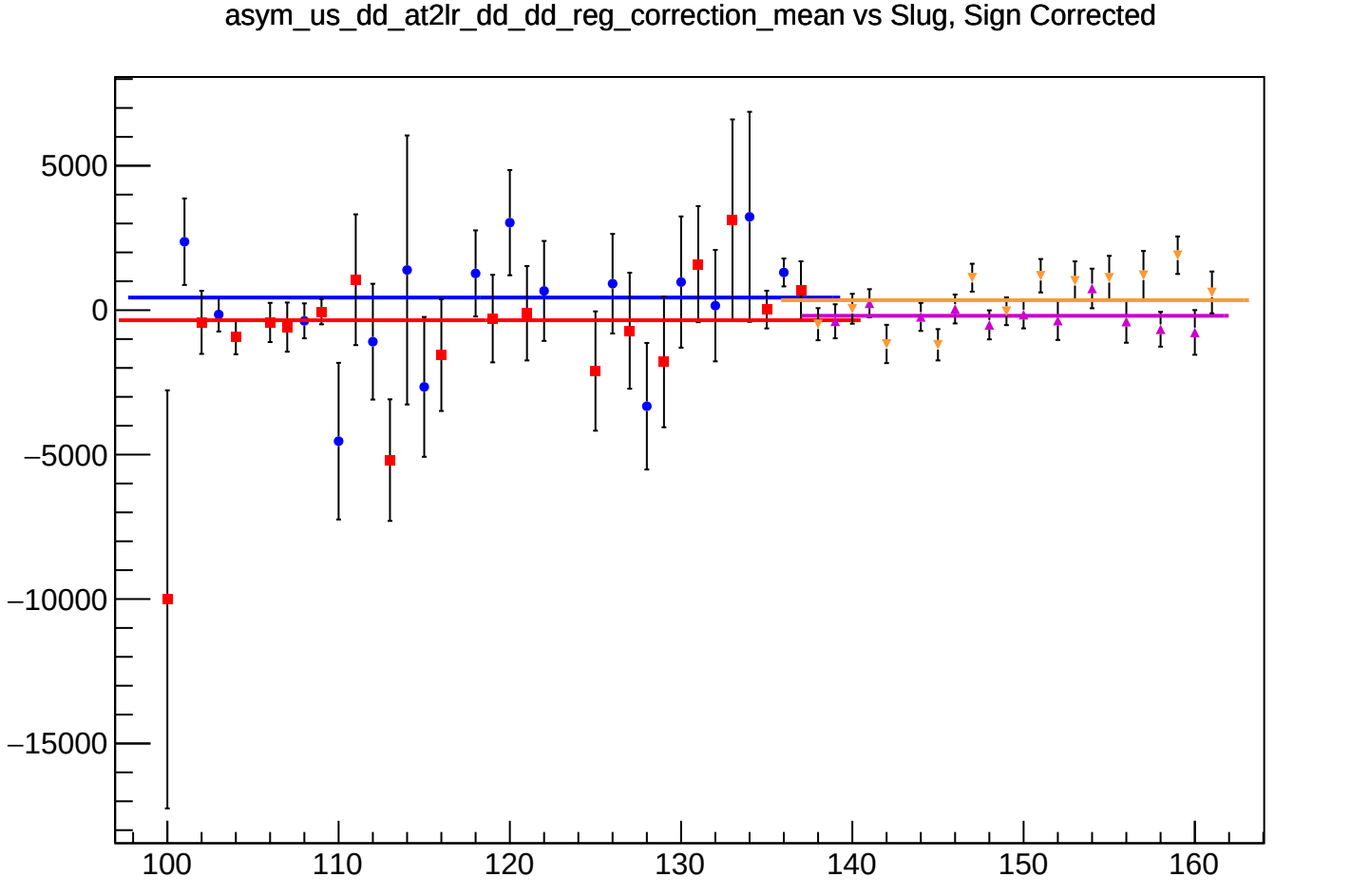
Left: 1610.619+/-0.261 χ^2/NDF: 146794.1/22

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1520.813+/-0.266 χ^2/NDF:757324.6/26

Out: 1503.059+/-0.263 χ^2/NDF:637574.6/29

All: 1511.845+/-0.187 χ^2/NDF: 1397156.4/56



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 345.175+/-171.749 χ^2/NDF:30.3/11

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -194.785+/-170.593 χ^2/NDF:4.7/10

Left: 73.372+/-121.034 χ^2/NDF: 39.9/22

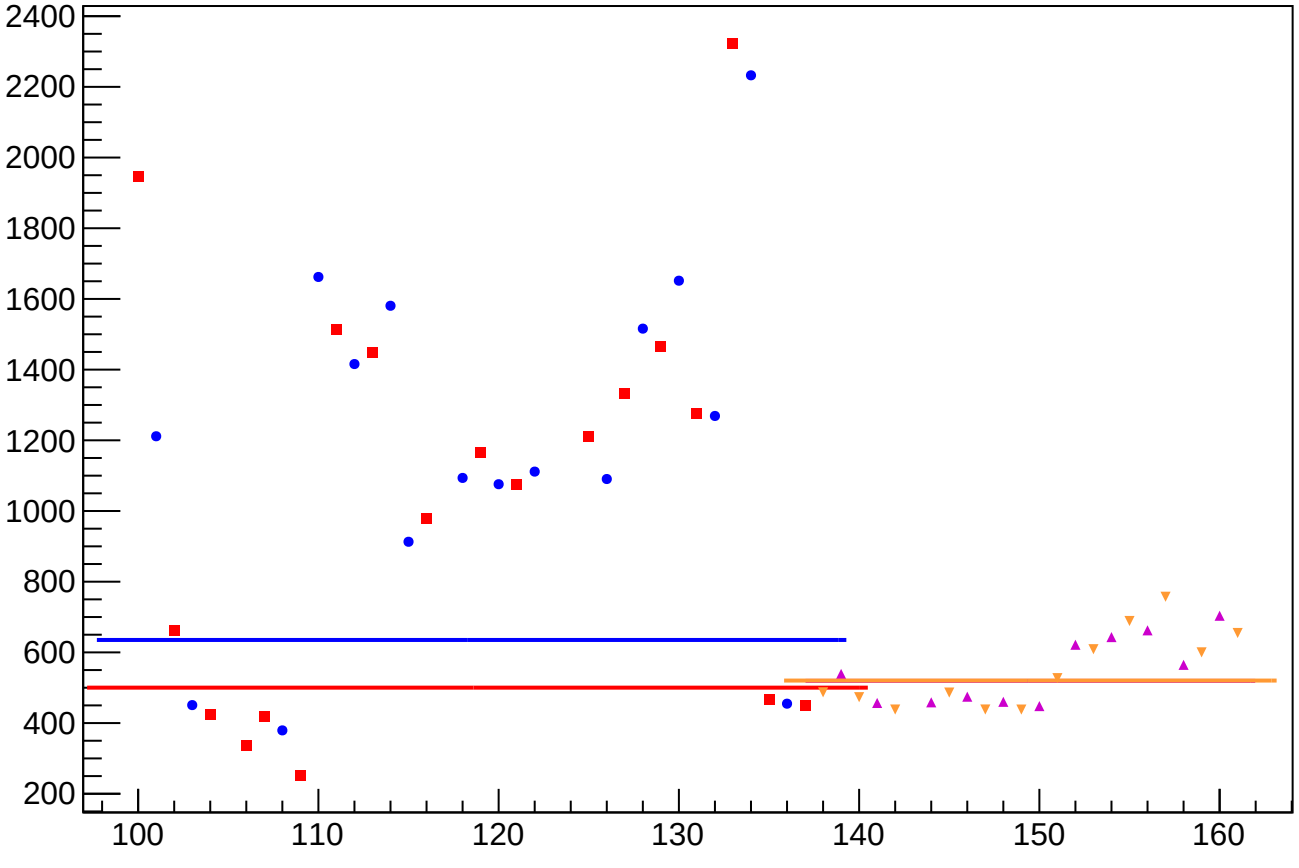
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -20.200+/-145.099 χ^2/NDF:27.8/26

Out: 101.948+/-138.404 χ^2/NDF:49.9/29

All: 43.757+/-100.150 χ^2/NDF: 78.1/56

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: 520.264+/-0.121 χ^2/NDF:570738.8/11

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 519.305+/-0.121 χ^2/NDF:468109.7/10

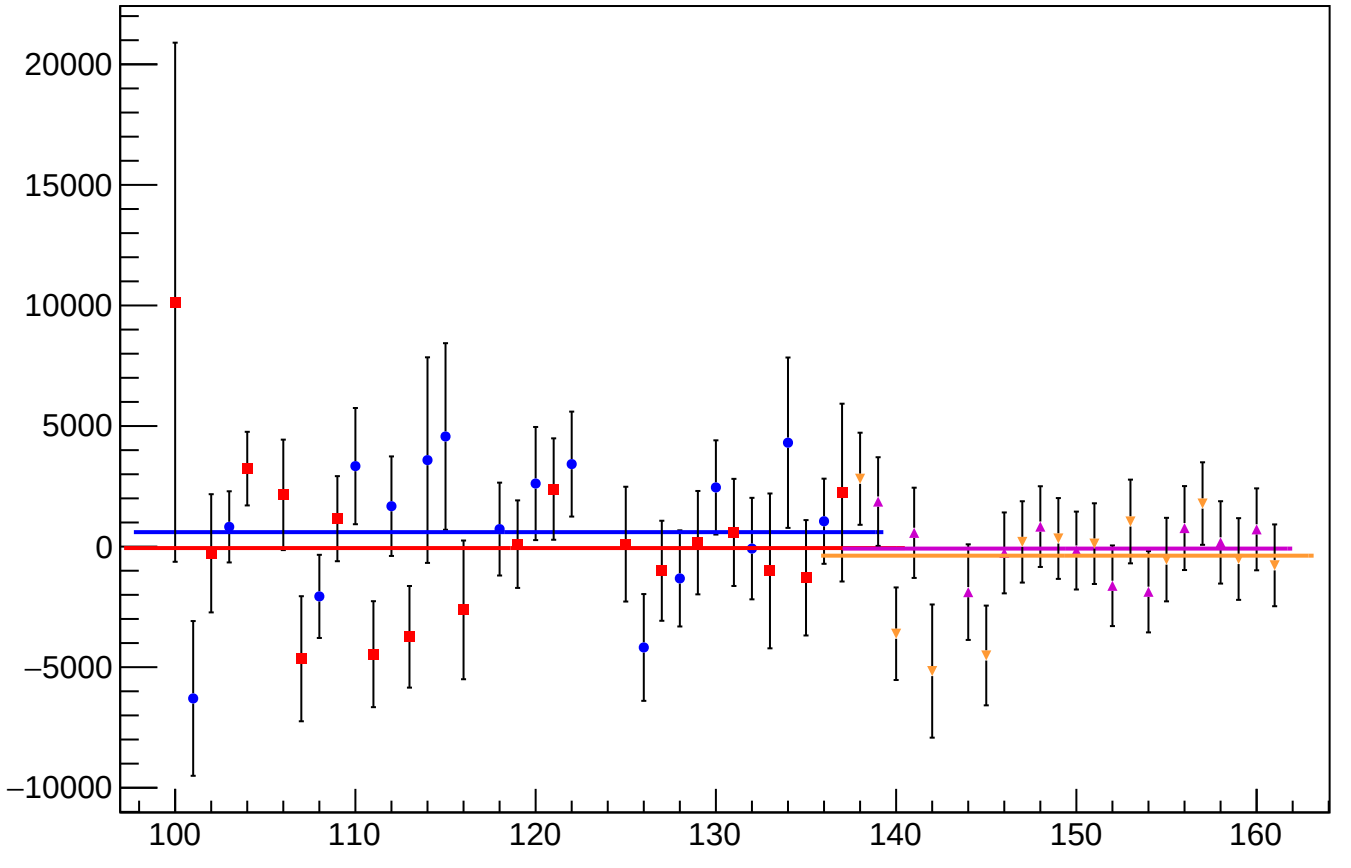
Left: 519.781+/-0.086 χ^2/NDF: 1038879.8/22

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 551.338+/-0.103 χ^2/NDF:4475683.2/26

Out: 513.240+/-0.098 χ^2/NDF:4889371.2/29

All: 531.390+/-0.071 χ^2/NDF: 9437247.4/56



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.798+/-521.421 χ^2/NDF:15.4/11

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -82.267+/-522.655 χ^2/NDF:4.8/10

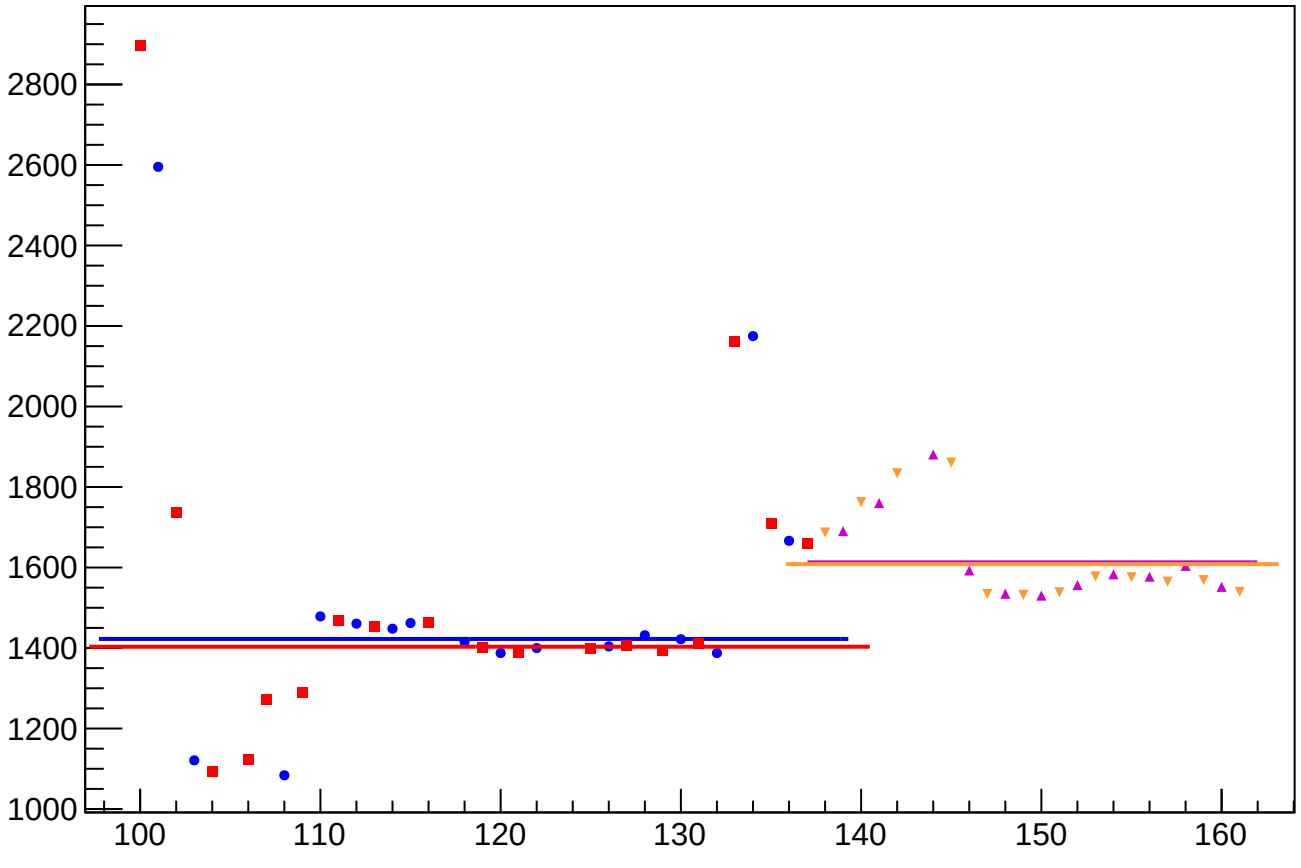
Left: -229.379+/-369.136 χ^2/NDF: 20.4/22

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 247.709+/-375.573 χ^2/NDF:26.0/26

Out: -221.491+/-372.667 χ^2/NDF:35.9/29

All: 11.287+/-264.537 χ^2/NDF: 62.7/56



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1608.370+/-0.369 χ^2/NDF:77972.1/11

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

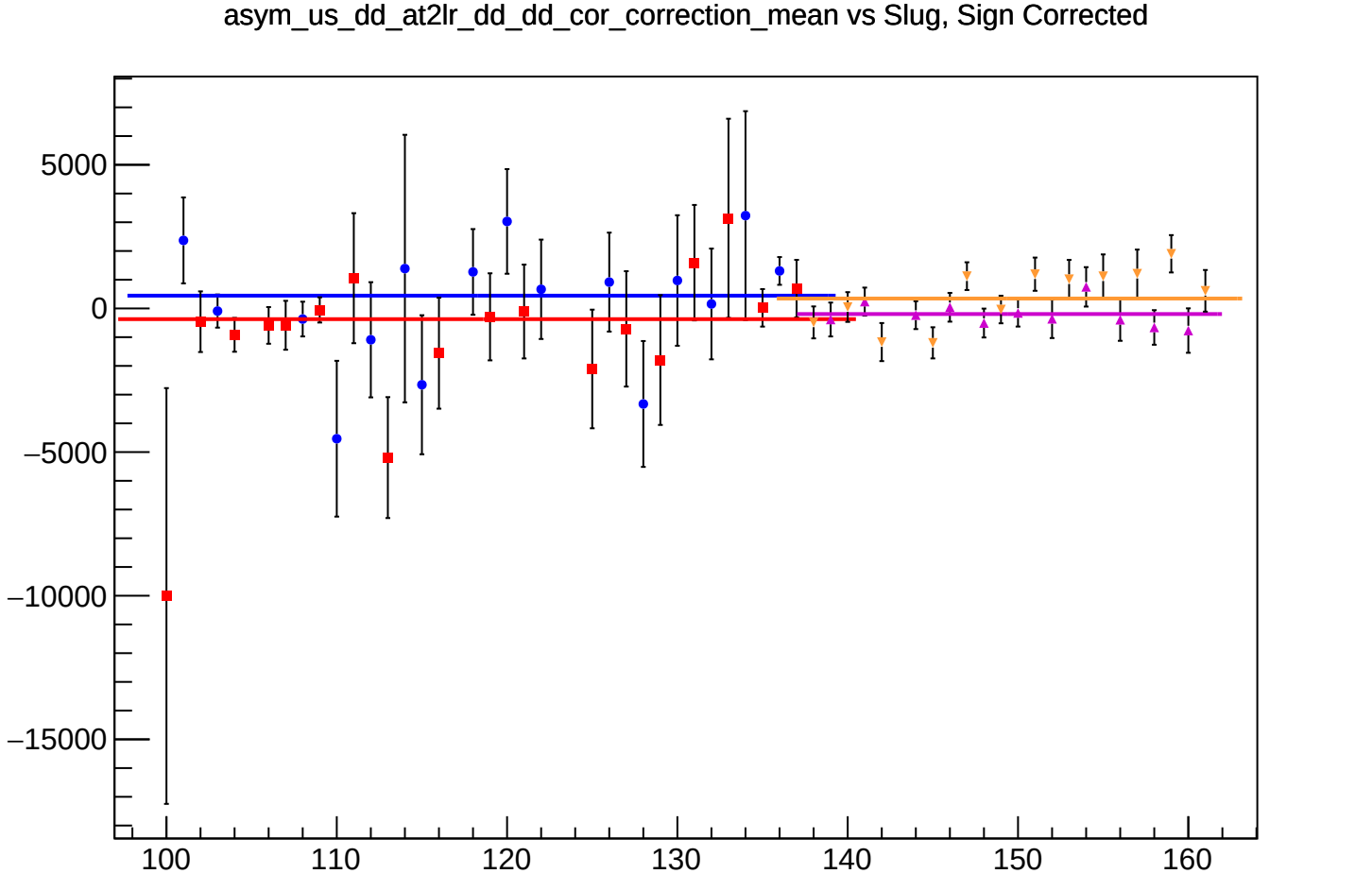
Left: 1610.619+/-0.261 χ^2/NDF: 146794.1/22

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1520.813+/-0.266 χ^2/NDF:757324.9/26

Out: 1508.013+/-0.264 χ^2/NDF:588535.2/29

All: 1514.363+/-0.187 χ^2/NDF: 1347030.5/56



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 345.216+/-171.751 χ^2/NDF:30.3/11

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -194.846+/-170.591 χ^2/NDF:4.7/10

Left: 73.355+/-121.034 χ^2/NDF: 39.9/22

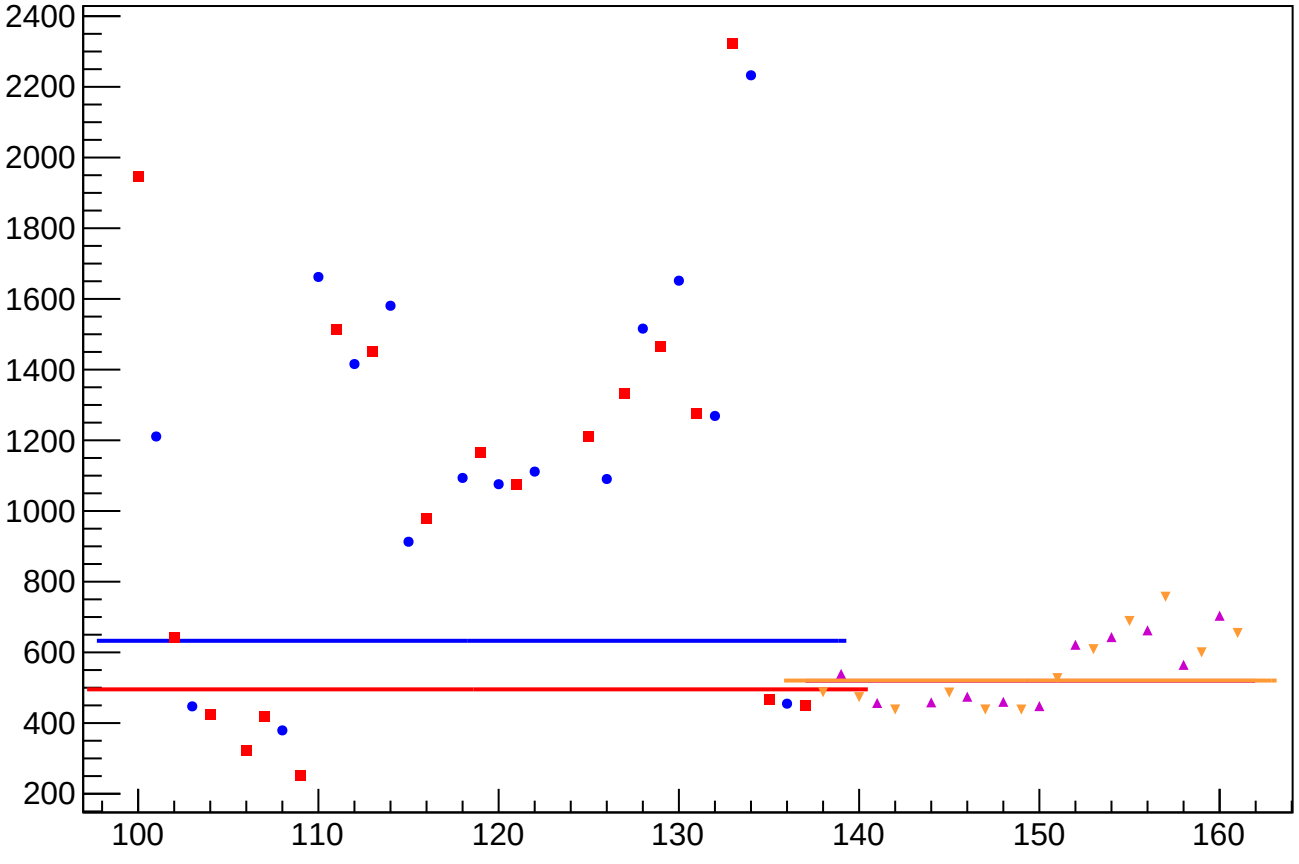
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -16.767+/-144.926 χ^2/NDF:27.8/26

Out: 90.194+/-137.904 χ^2/NDF:50.5/29

All: 39.368+/-99.903 χ^2/NDF: 78.6/56

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: 520.272+/-0.121 χ^2/NDF:570636.8/11

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

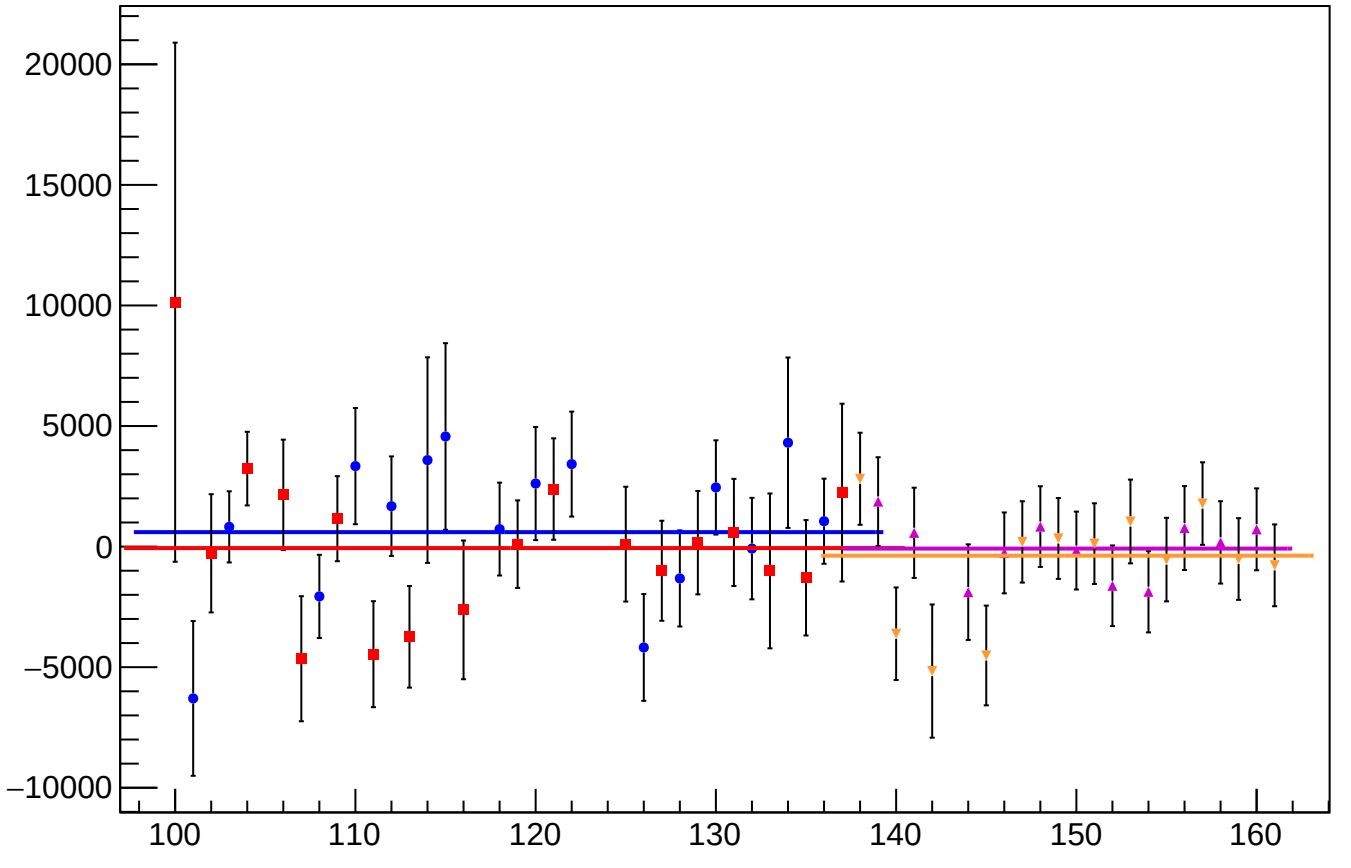
Left: 519.782+/-0.086 χ^2/NDF: 1038814.8/22

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 550.869+/-0.102 χ^2/NDF:4482036.4/26

Out: 511.428+/-0.098 χ^2/NDF:4923048.0/29

All: 530.170+/-0.071 χ^2/NDF: 9482823.0/56



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.798+/-521.421 χ^2/NDF:15.4/11

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -82.267+/-522.655 χ^2/NDF:4.8/10

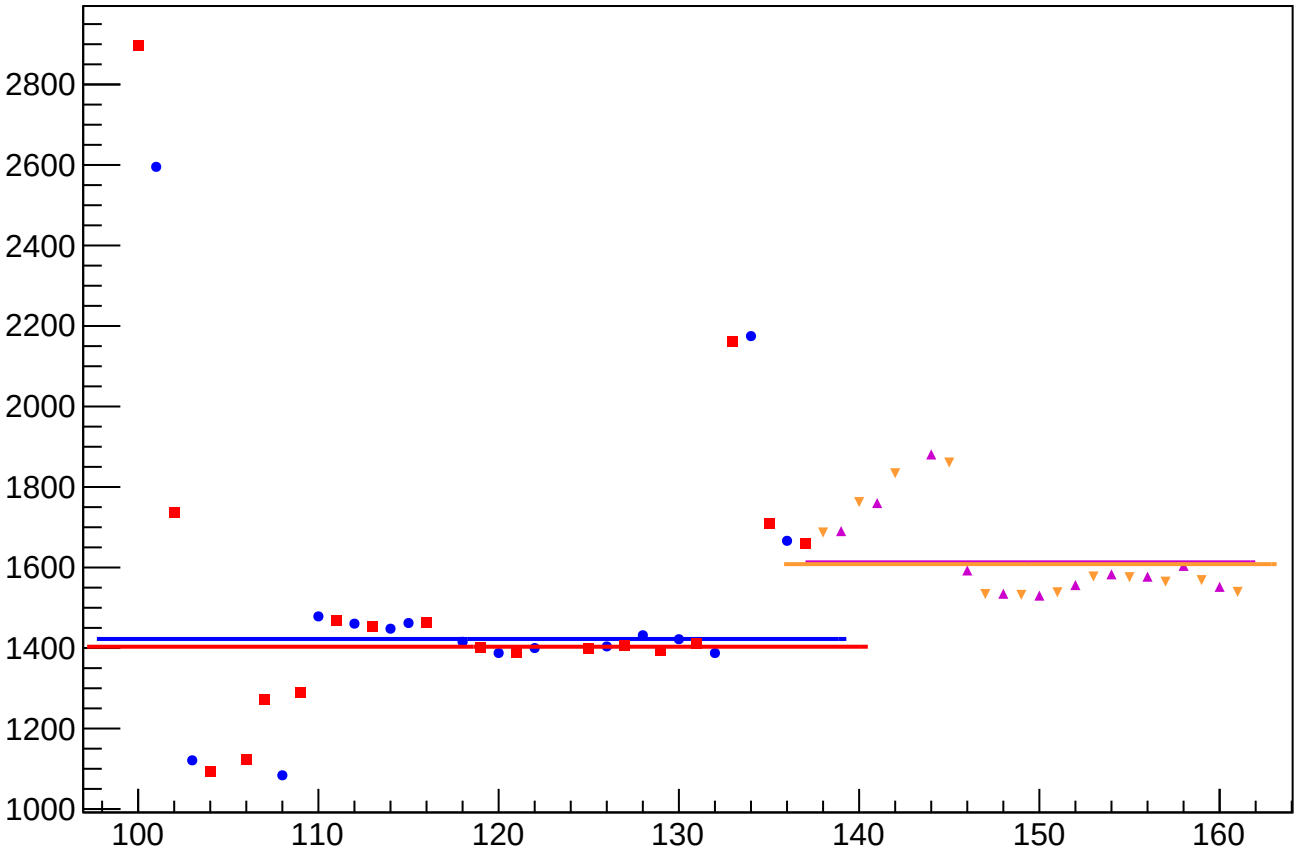
Left: -229.379+/-369.136 χ^2/NDF: 20.4/22

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 247.709+/-375.573 χ^2/NDF:26.0/26

Out: -221.491+/-372.667 χ^2/NDF:35.9/29

All: 11.287+/-264.537 χ^2/NDF: 62.7/56



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1608.370+/-0.369 χ^2/NDF:77972.1/11

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

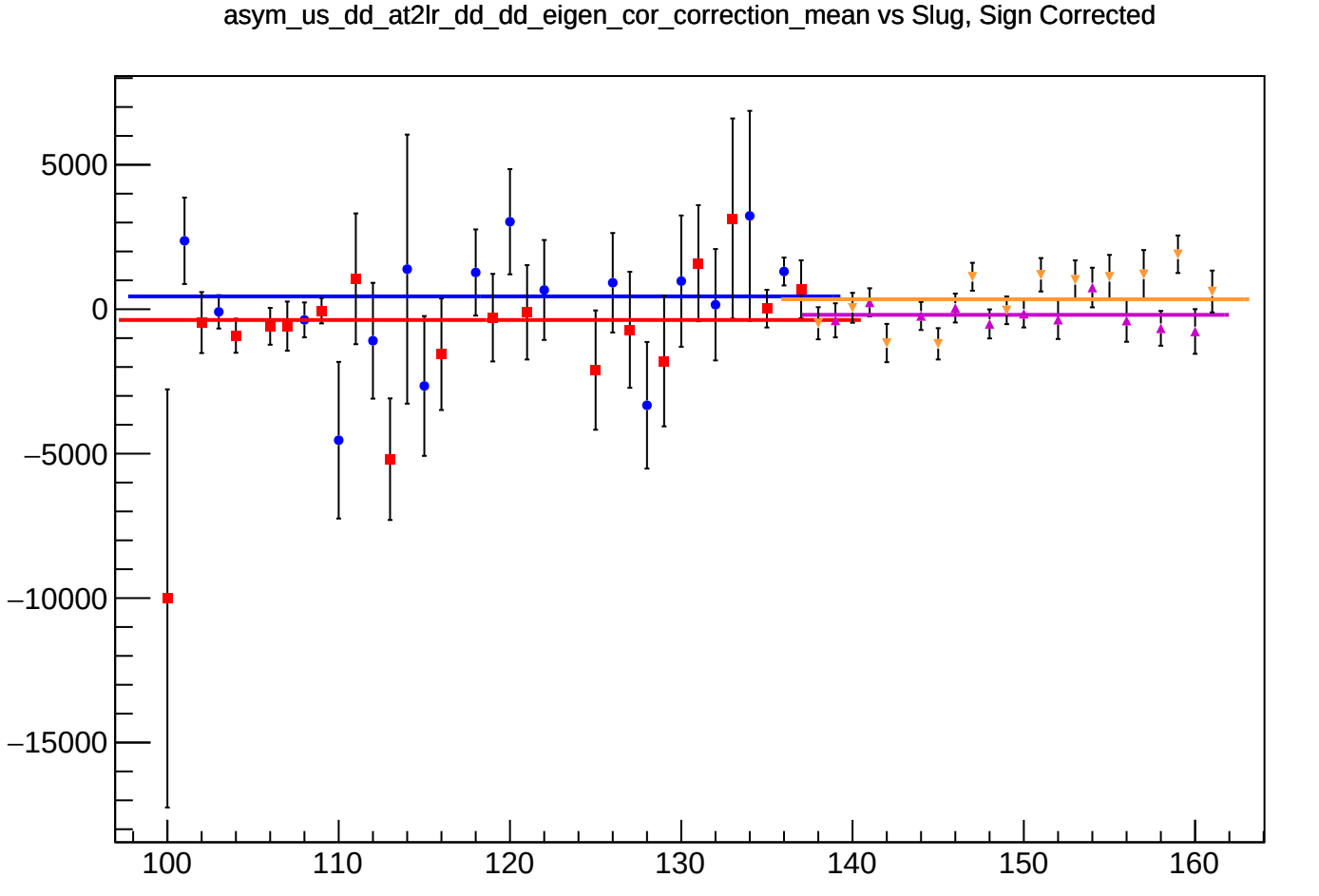
Left: 1610.619+/-0.261 χ^2/NDF: 146794.1/22

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1520.813+/-0.266 χ^2/NDF:757324.9/26

Out: 1508.013+/-0.264 χ^2/NDF:588535.2/29

All: 1514.363+/-0.187 χ^2/NDF: 1347030.5/56



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 345.216+/-171.751 χ^2/NDF:30.3/11

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -194.846+/-170.591 χ^2/NDF:4.7/10

Left: 73.355+/-121.034 χ^2/NDF: 39.9/22

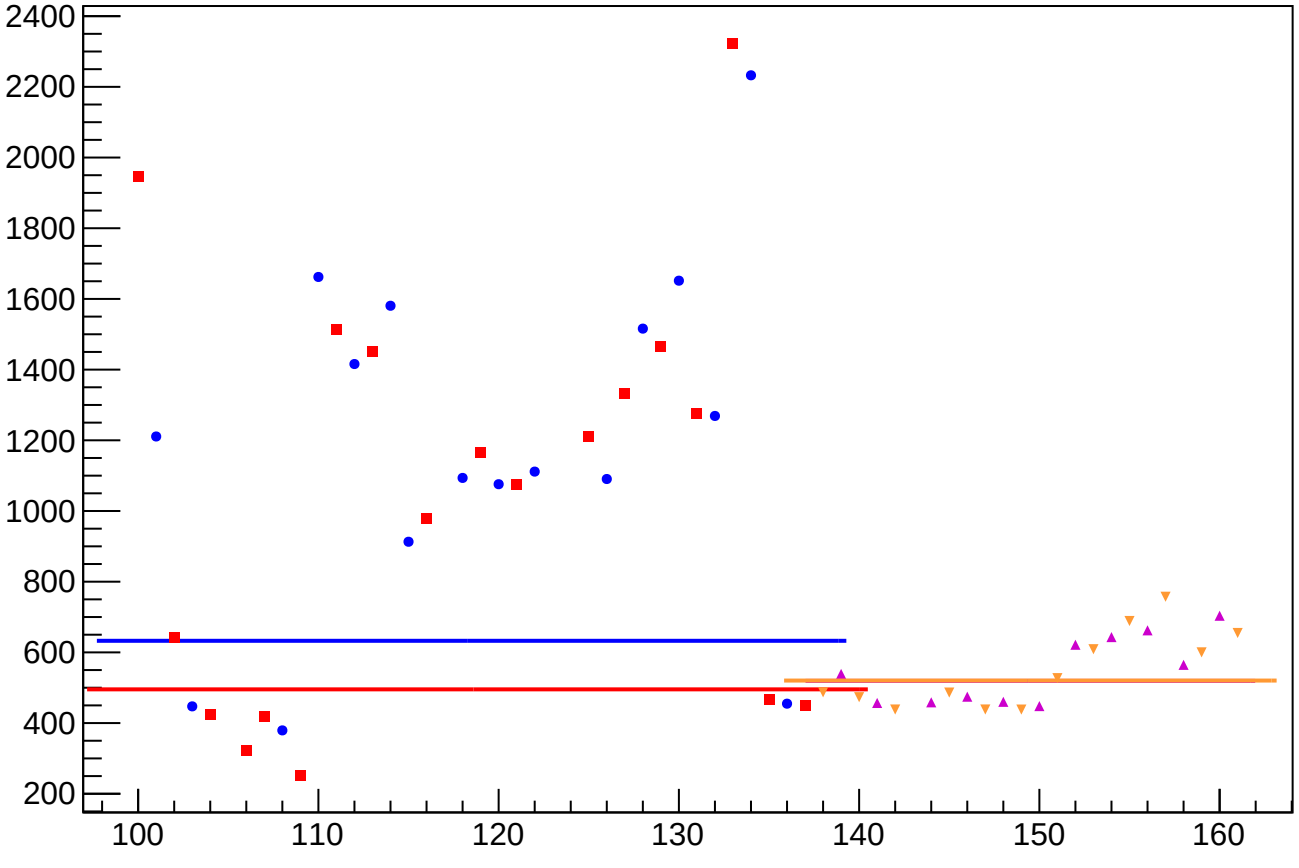
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -16.767+/-144.926 χ^2/NDF:27.8/26

Out: 90.194+/-137.904 χ^2/NDF:50.5/29

All: 39.368+/-99.903 χ^2/NDF: 78.6/56

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: 520.272+/-0.121 χ^2/NDF:570636.8/11

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

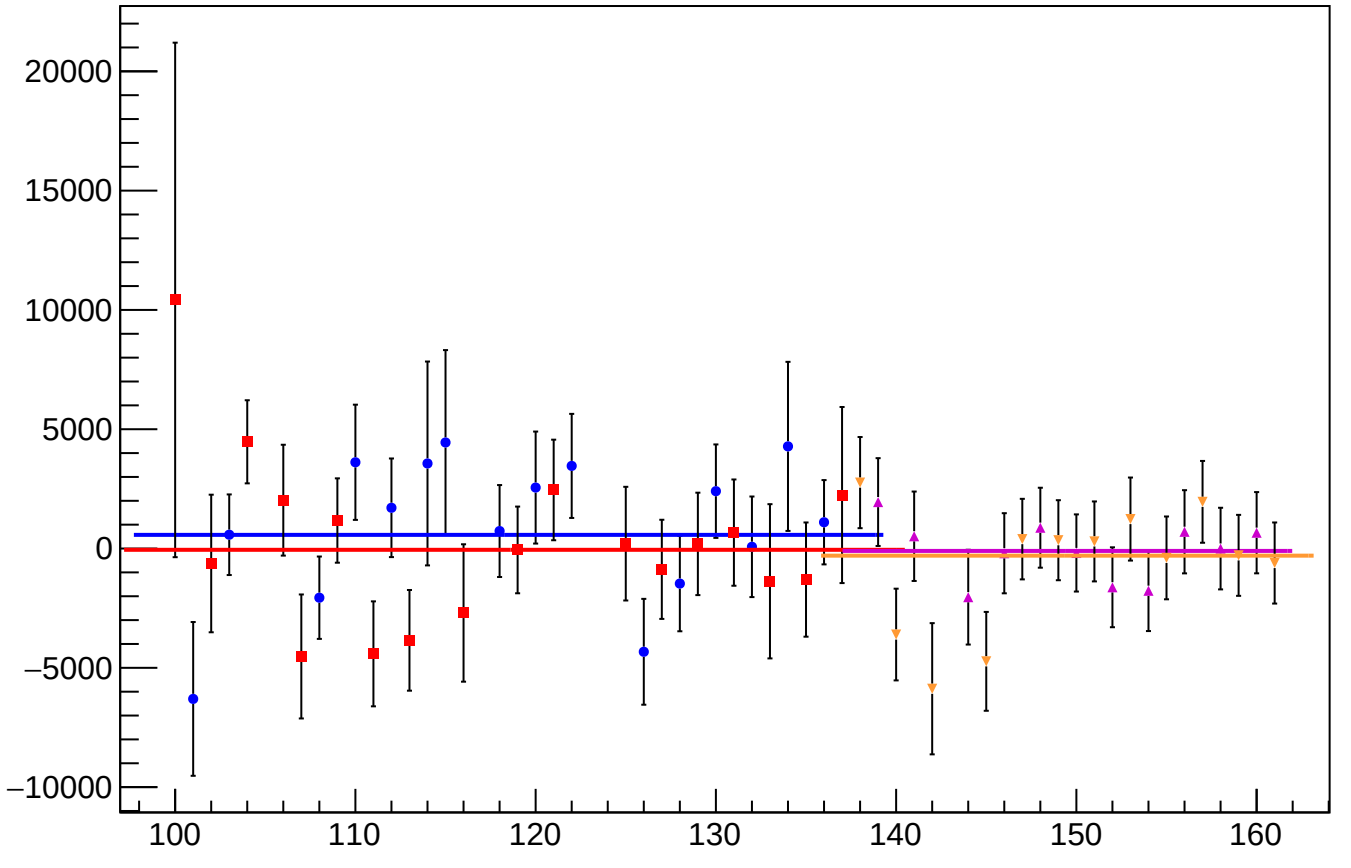
Left: 519.782+/-0.086 χ^2/NDF: 1038814.8/22

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 550.869+/-0.102 χ^2/NDF:4482036.4/26

Out: 511.428+/-0.098 χ^2/NDF:4923048.0/29

All: 530.170+/-0.071 χ^2/NDF: 9482823.0/56



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -298.630+/-522.083 χ^2/NDF:17.2/11

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -100.143+/-523.453 χ^2/NDF:4.9/10

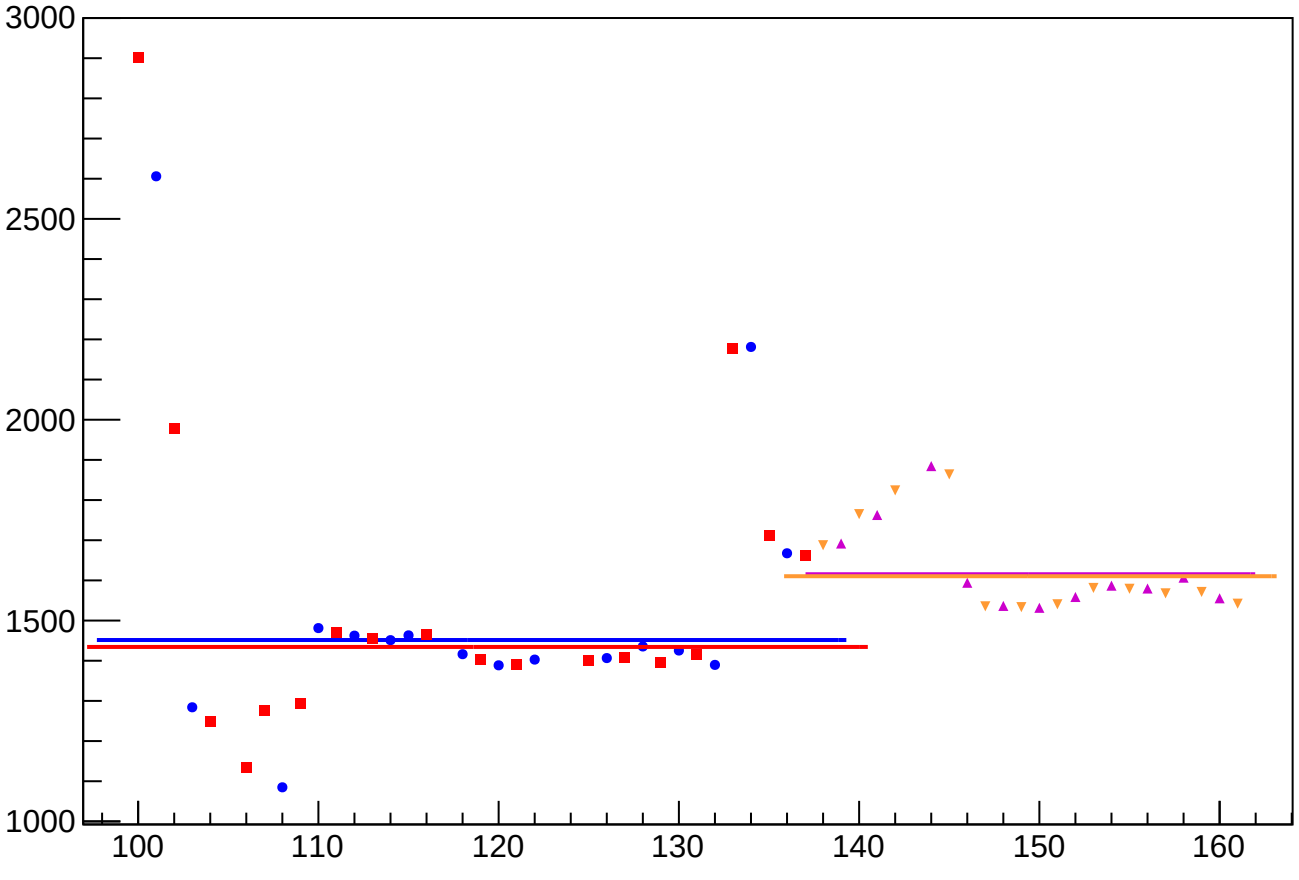
Left: -199.647+/-369.652 χ^2/NDF: 22.1/22

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 219.674+/-379.056 χ^2/NDF:26.4/26

Out: -181.528+/-377.126 χ^2/NDF:39.8/29

All: 18.049+/-267.348 χ^2/NDF: 66.8/56



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1610.377+/-0.369 χ^2/NDF:76606.7/11

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.4/10

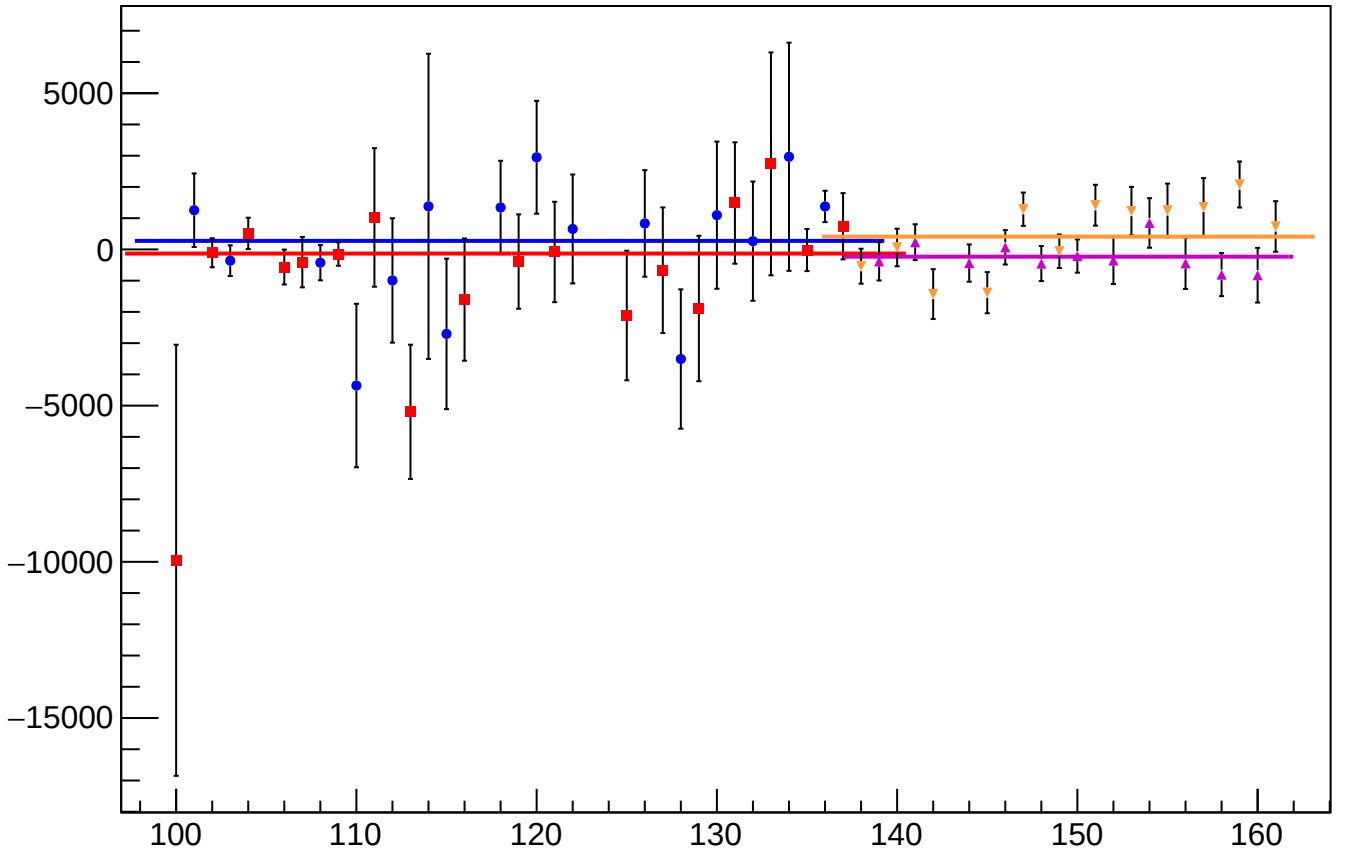
Left: 1612.844+/-0.261 χ^2/NDF: 145582.6/22

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1537.445+/-0.268 χ^2/NDF:649805.1/26

Out: 1526.185+/-0.267 χ^2/NDF:513957.3/29

All: 1531.786+/-0.189 χ^2/NDF: 1164649.4/56



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 408.573+/-193.436 χ^2/NDF:30.2/11

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -232.678+/-193.283 χ^2/NDF:4.4/10

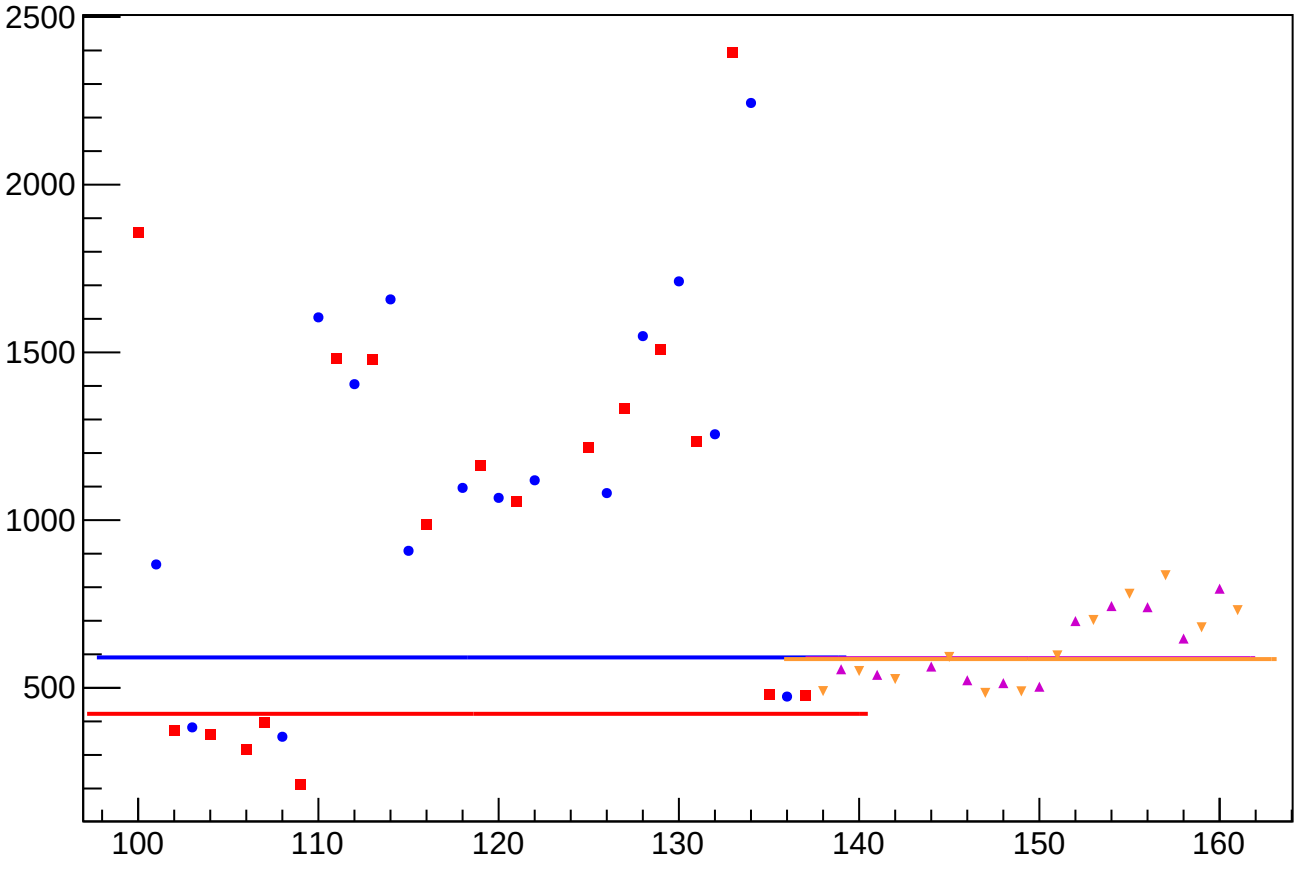
Left: 87.694+/-136.726 χ^2/NDF: 40.1/22

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -53.011+/-155.231 χ^2/NDF:27.0/26

Out: 141.471+/-137.655 χ^2/NDF:48.5/29

All: 55.859+/-102.992 χ^2/NDF: 76.4/56



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 585.805+/-0.137 χ^2/NDF:604520.3/11

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 588.580+/-0.137 χ^2/NDF:454133.0/10

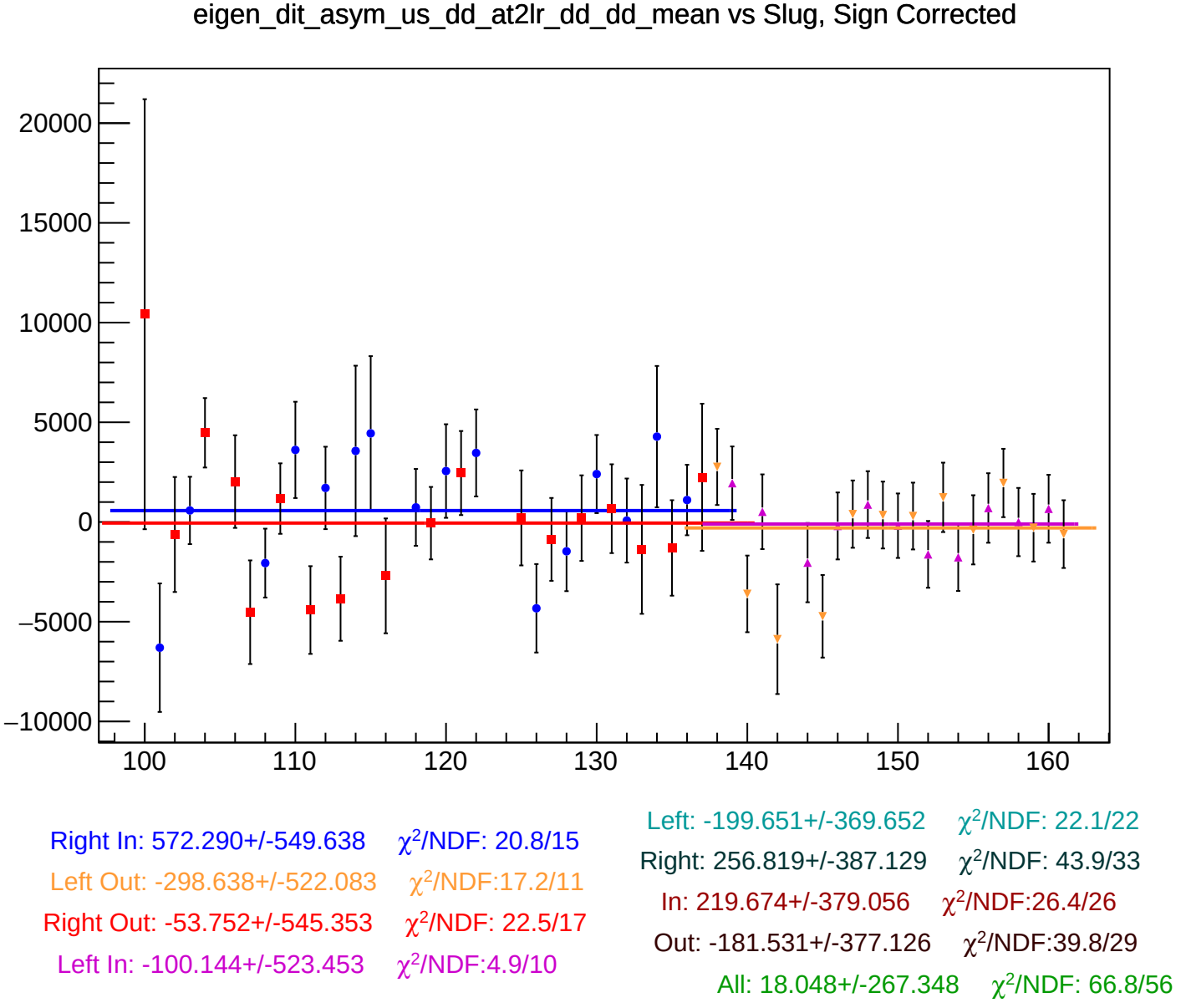
Left: 587.193+/-0.097 χ^2/NDF: 1058859.2/22

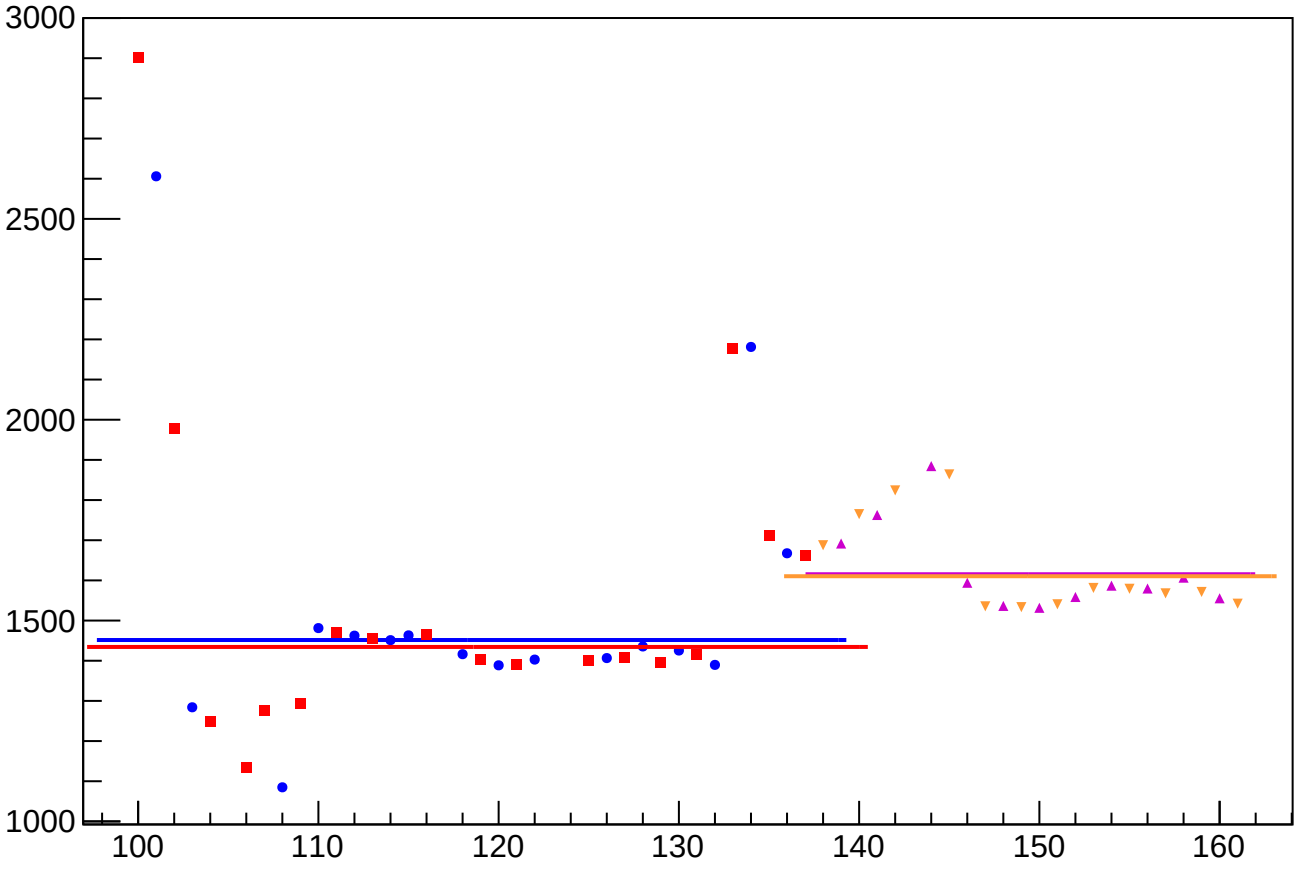
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 589.350+/-0.110 χ^2/NDF:4339724.6/26

Out: 505.263+/-0.097 χ^2/NDF:6165012.0/29

All: 542.279+/-0.073 χ^2/NDF: 10833252.4/56


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -298.638+/-522.083 χ²/NDF:17.2/11
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -100.144+/-523.453 χ²/NDF:4.9/10
Left: -199.651+/-369.652 χ²/NDF: 22.1/22
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 219.674+/-379.056 χ²/NDF:26.4/26
Out: -181.531+/-377.126 χ²/NDF:39.8/29
All: 18.048+/-267.348 χ²/NDF: 66.8/56



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1610.377+/-0.369 χ^2/NDF:76606.8/11

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.5/10

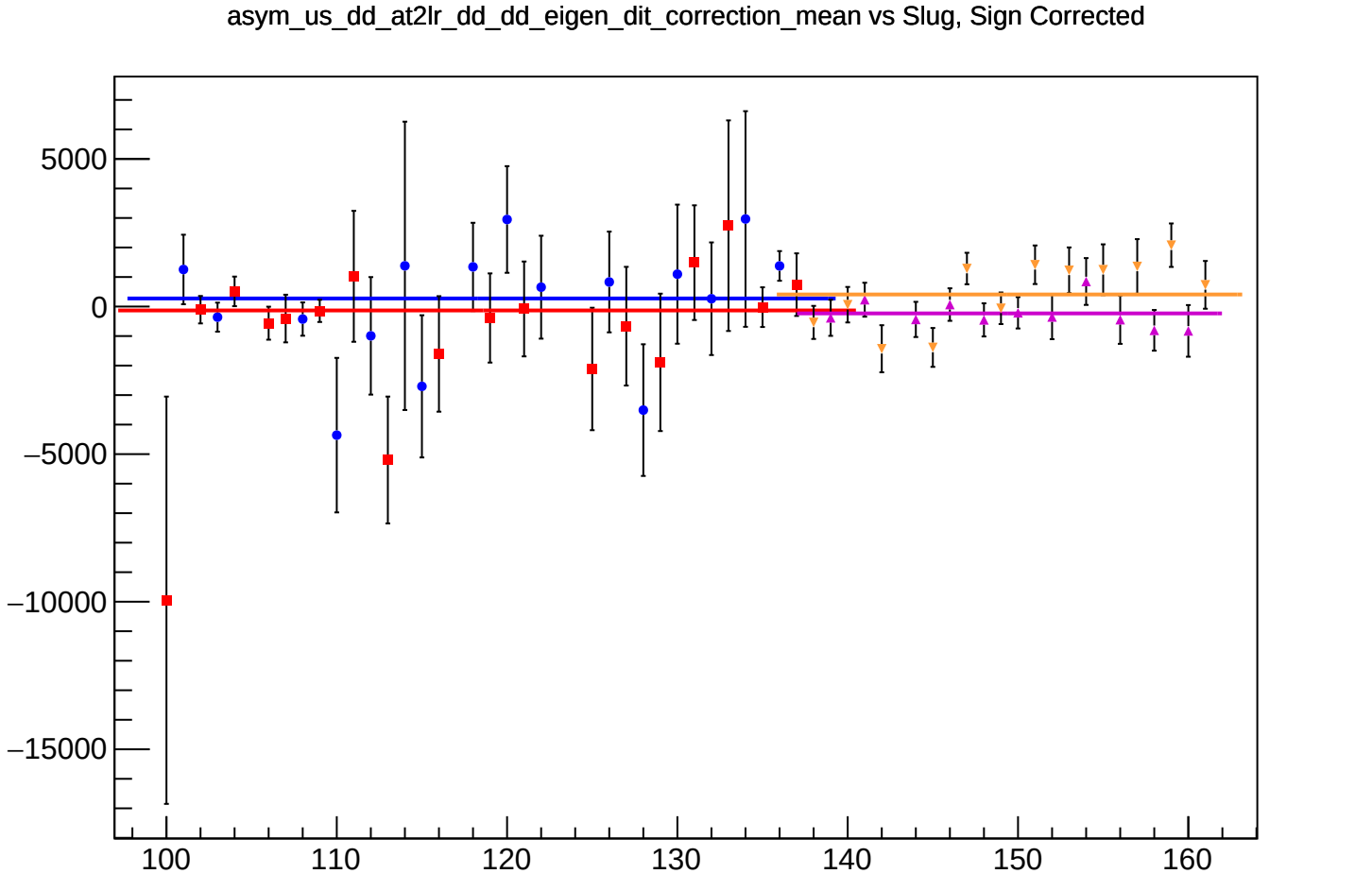
Left: 1612.844+/-0.261 χ^2/NDF: 145582.9/22

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1537.445+/-0.268 χ^2/NDF:649804.8/26

Out: 1526.185+/-0.267 χ^2/NDF:513957.8/29

All: 1531.786+/-0.189 χ^2/NDF: 1164649.5/56



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 408.582+/-193.438 χ^2/NDF:30.2/11

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -232.681+/-193.284 χ^2/NDF:4.4/10

Left: 87.696+/-136.727 χ^2/NDF: 40.1/22

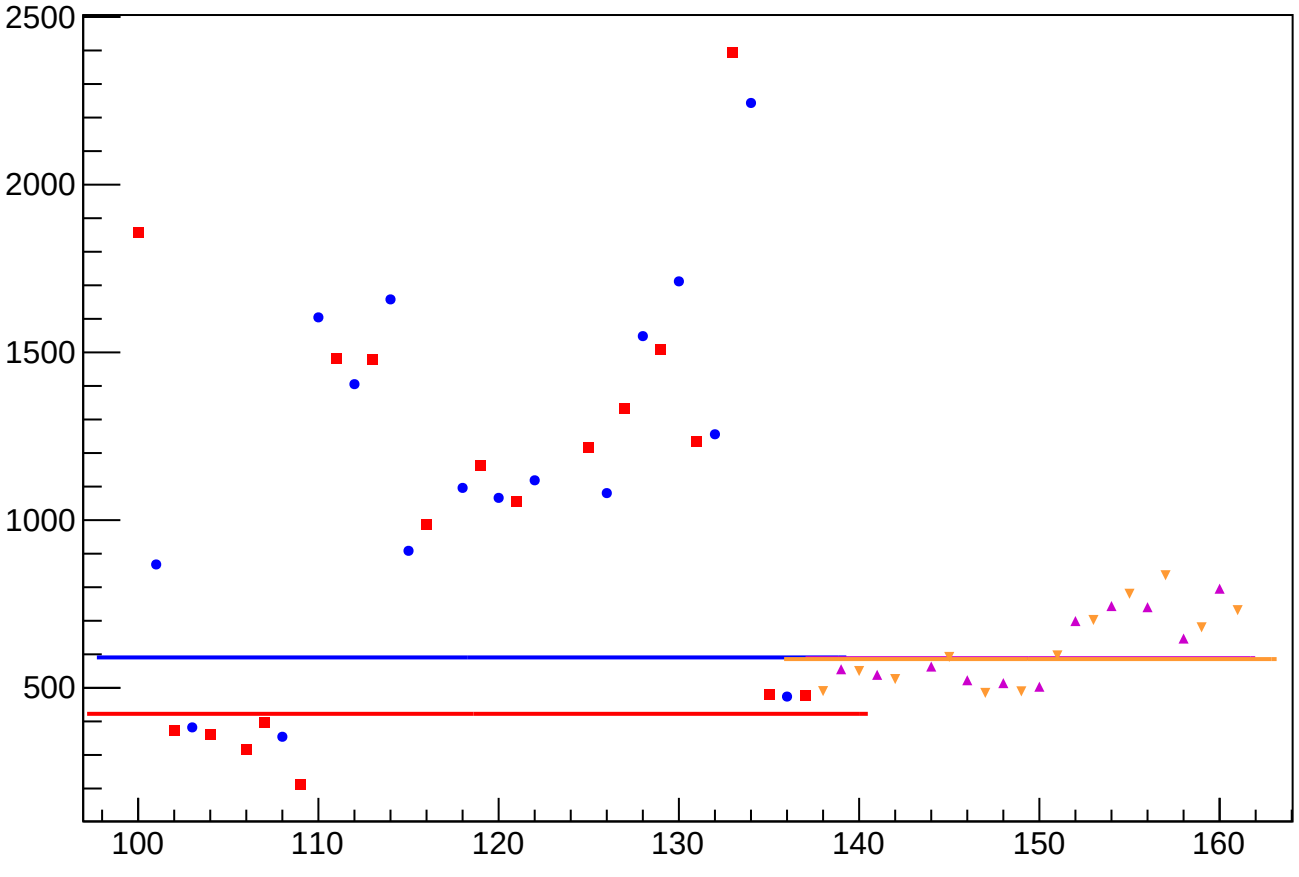
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -53.015+/-155.231 χ^2/NDF:27.0/26

Out: 141.478+/-137.656 χ^2/NDF:48.5/29

All: 55.860+/-102.993 χ^2/NDF: 76.4/56

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: 585.809+/-0.137 χ^2/NDF:604511.8/11

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 588.581+/-0.137 χ^2/NDF:454162.1/10

Left: 587.196+/-0.097 χ^2/NDF: 1058879.4/22

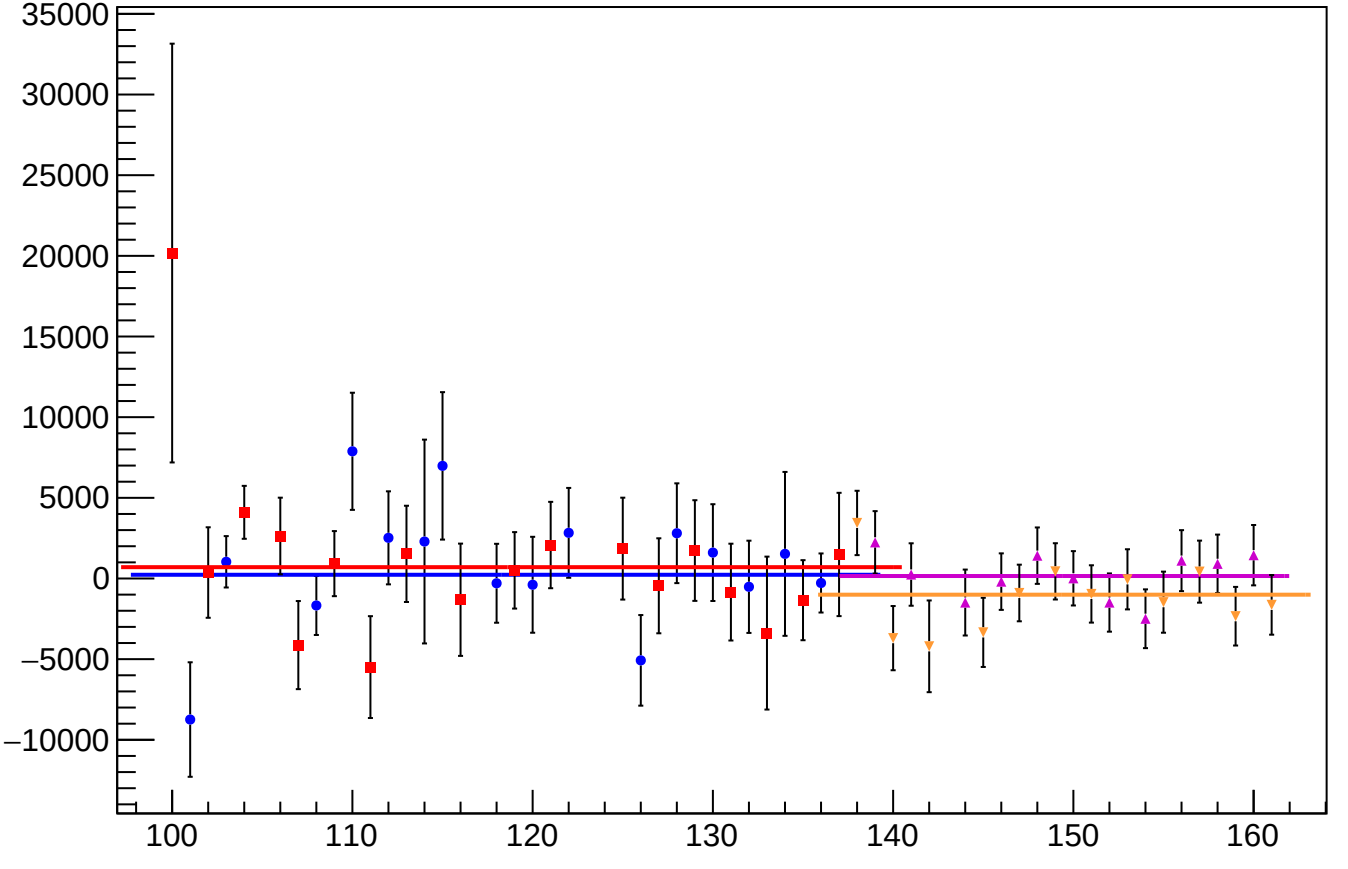
Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 589.350+/-0.110 χ^2/NDF:4339781.8/26

Out: 505.268+/-0.097 χ^2/NDF:6164897.3/29

All: 542.282+/-0.073 χ^2/NDF: 10833157.5/56

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1003.676+/-554.874 χ^2/NDF:11.5/11

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 153.786+/-554.089 χ^2/NDF:6.2/10

Left: -424.126+/-392.077 χ^2/NDF: 19.9/22

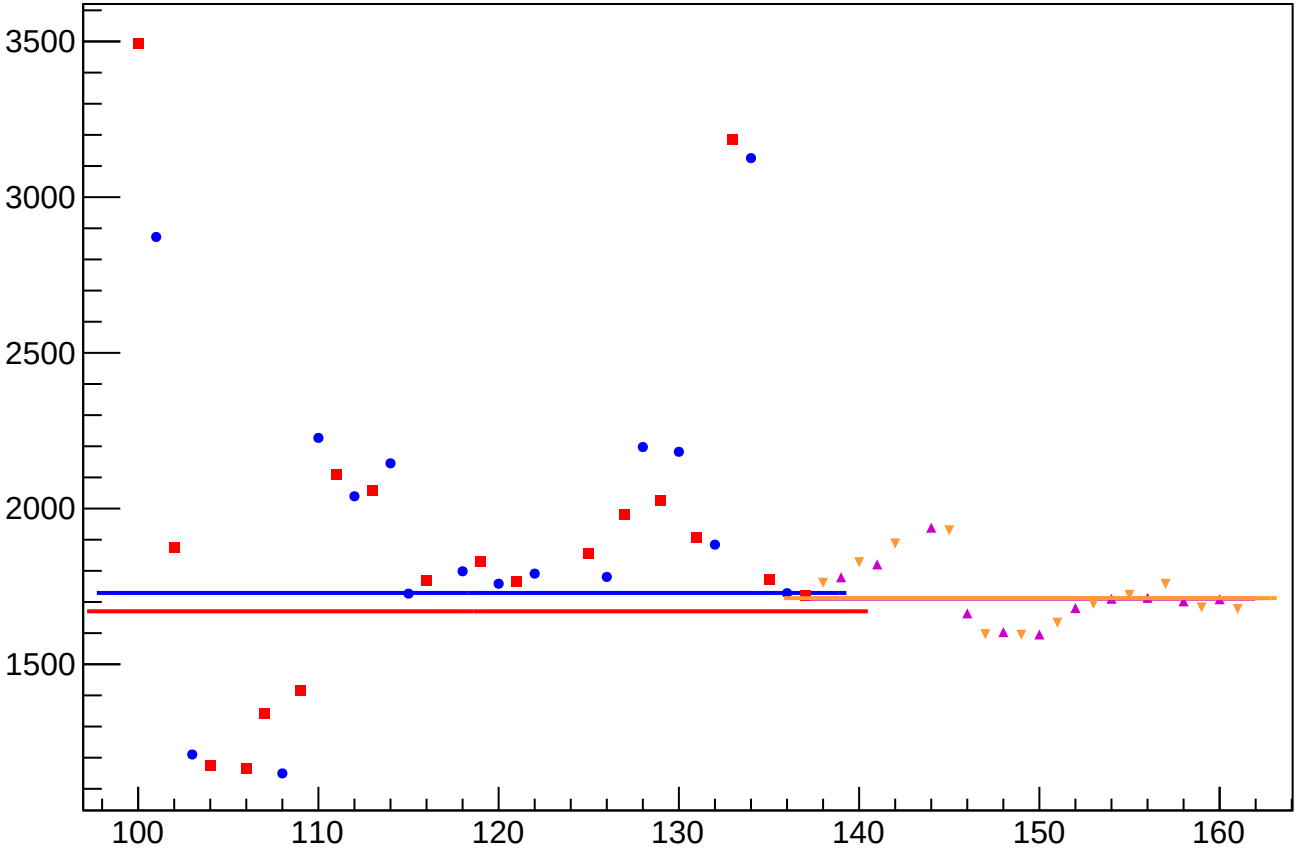
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 185.258+/-426.012 χ^2/NDF:27.0/26

Out: -282.400+/-421.558 χ^2/NDF:32.5/29

All: -51.029+/-299.649 χ^2/NDF: 60.1/56

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: 1712.348+/-0.392 χ^2/NDF:60594.4/11

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1710.582+/-0.392 χ^2/NDF:52776.6/10

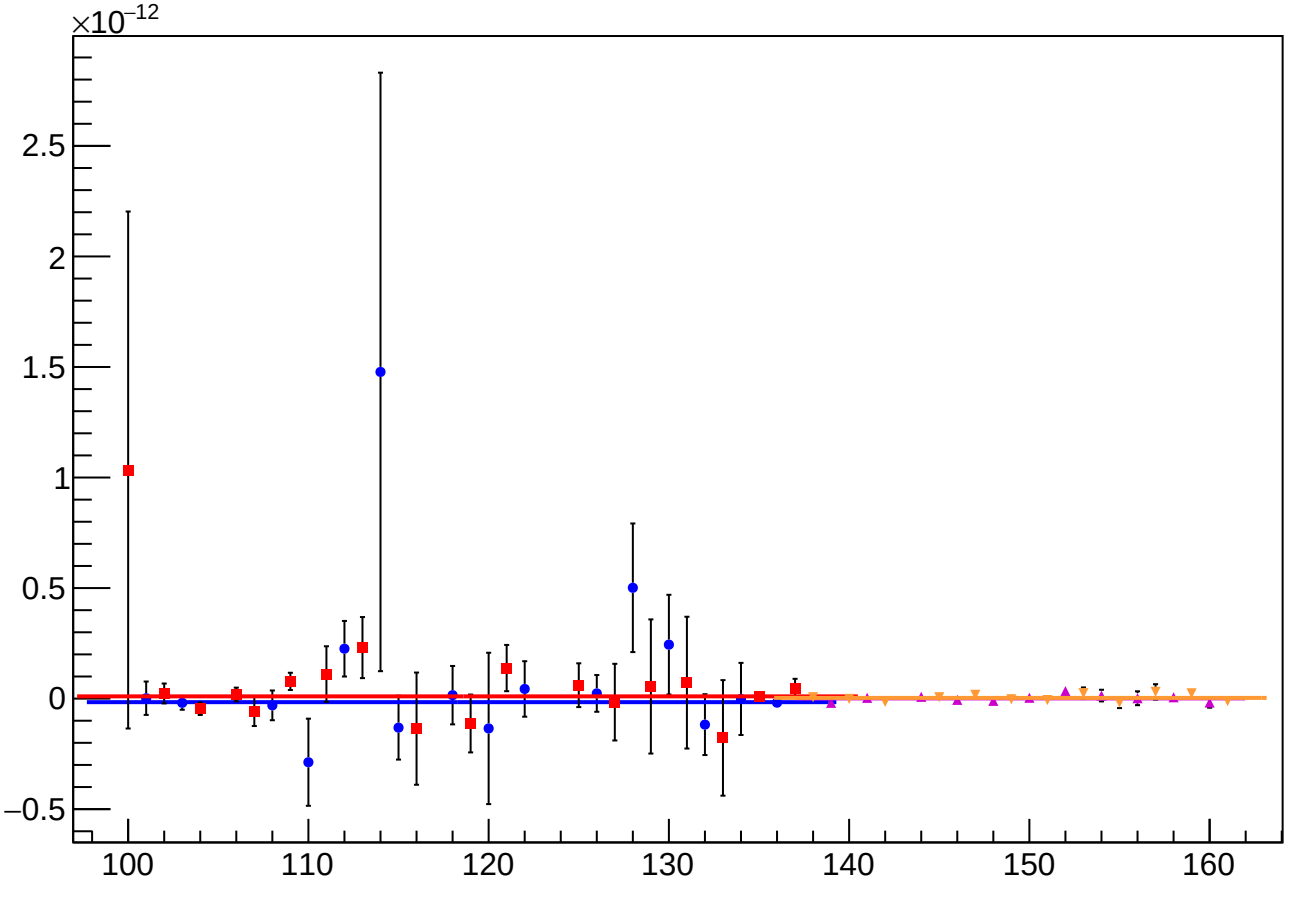
Left: 1711.464+/-0.277 χ^2/NDF: 113381.2/22

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1718.133+/-0.301 χ^2/NDF:995764.2/26

Out: 1694.467+/-0.298 χ^2/NDF:809958.8/29

All: 1706.175+/-0.212 χ^2/NDF: 1808841.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

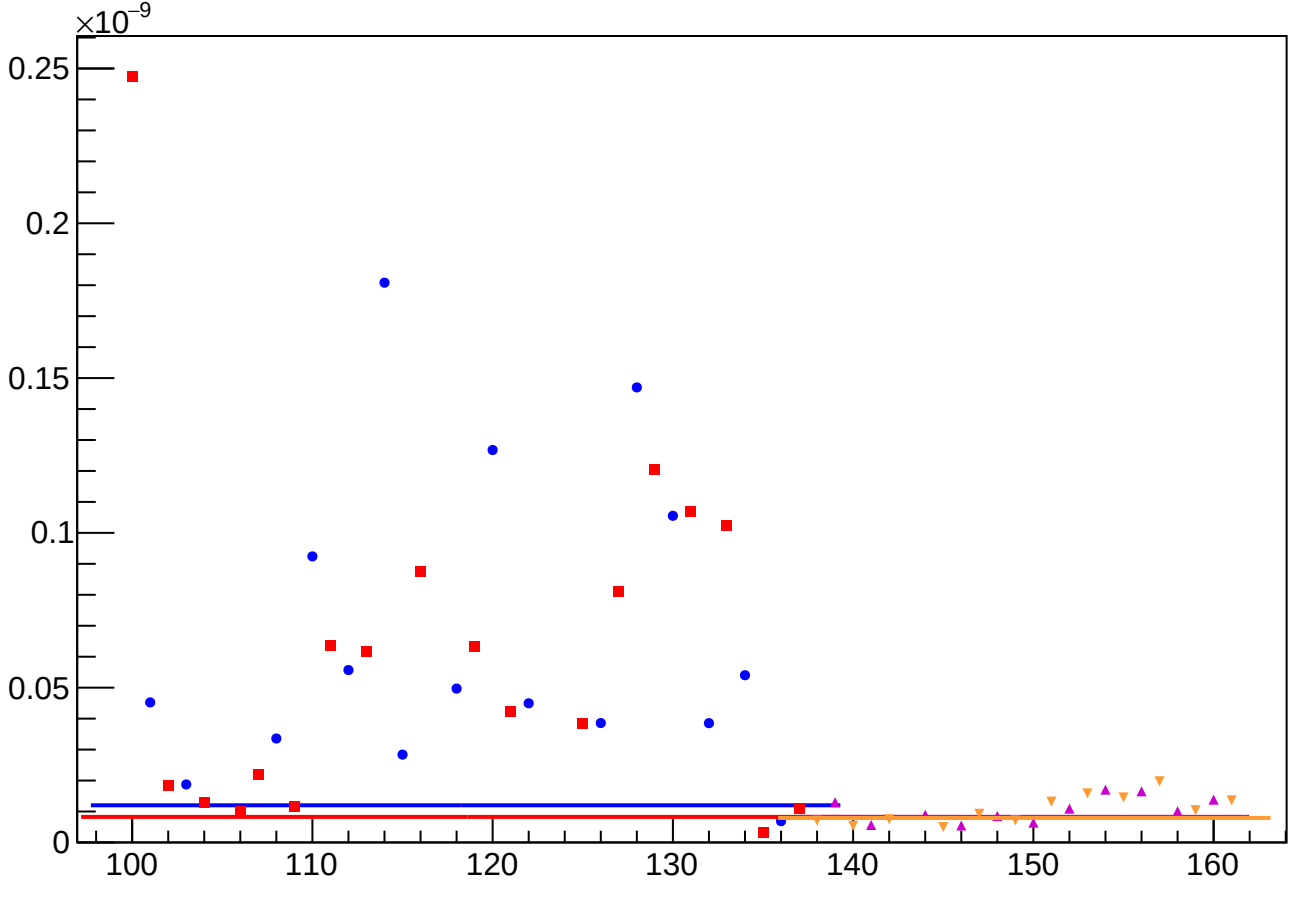
Left: 0.000+/-0.000 χ^2/NDF: 13.0/22

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:22.1/26

Out: 0.000+/-0.000 χ^2/NDF:23.3/29

All: 0.000+/-0.000 χ^2/NDF: 46.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1246826.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1016530.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2270317.2/22

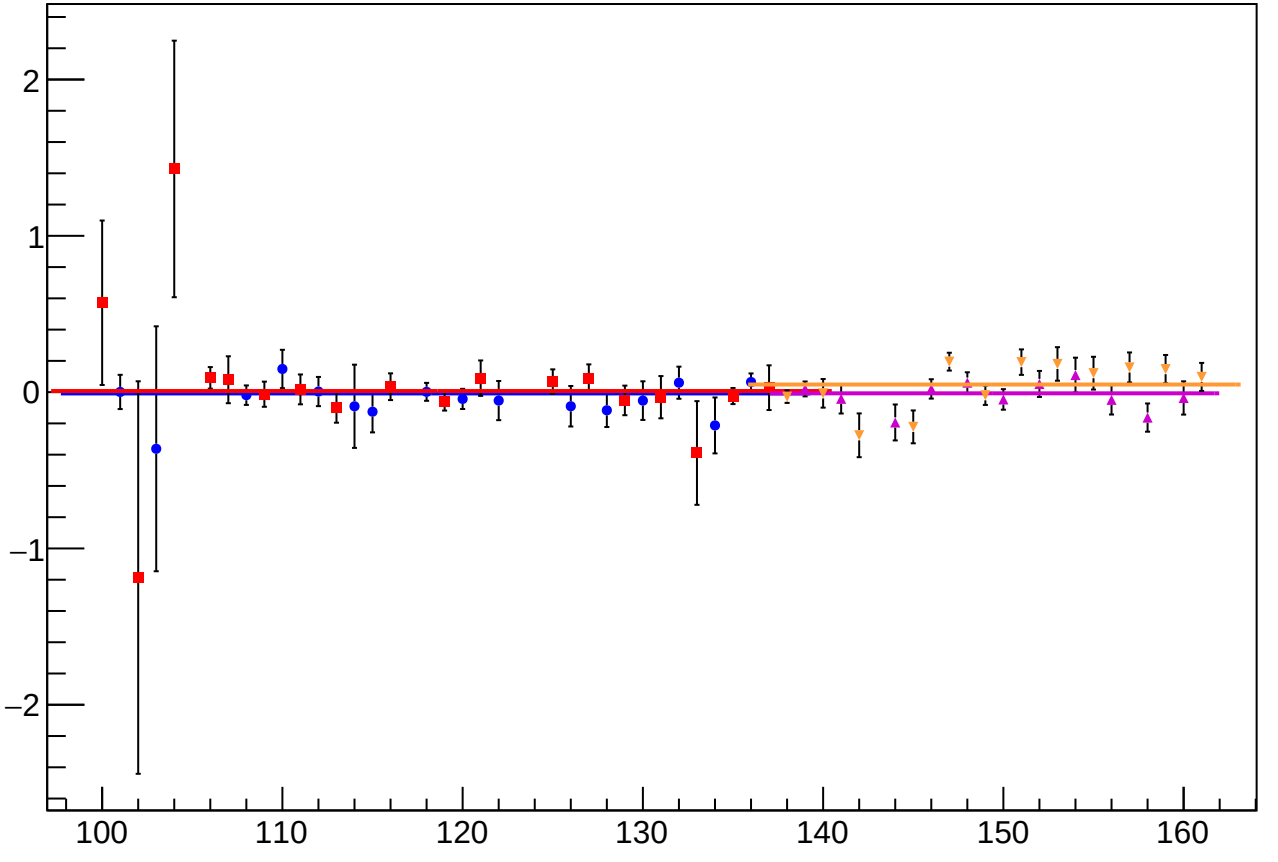
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4665893.2/26

Out: 0.000+/-0.000 χ^2/NDF:4759558.2/29

All: 0.000+/-0.000 χ^2/NDF: 9474540.3/56

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: 0.049+/-0.022 χ^2/NDF:31.8/11

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.022+/-0.016 χ^2/NDF: 44.6/22

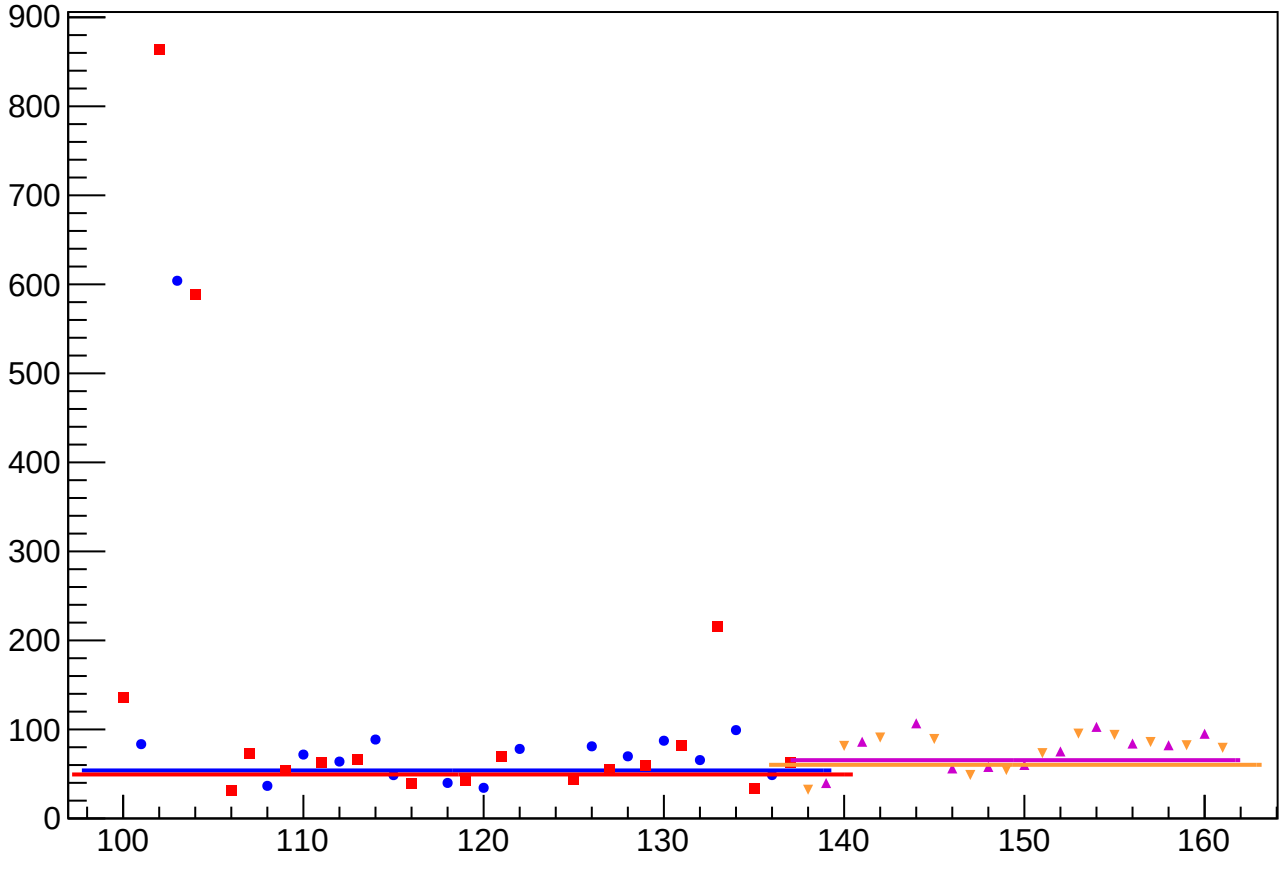
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.028+/-0.015 χ^2/NDF:47.3/29

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 60.261+/-0.015 χ^2/NDF:2258374.4/11

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

Left: 62.713+/-0.011 χ^2/NDF: 3892798.0/22

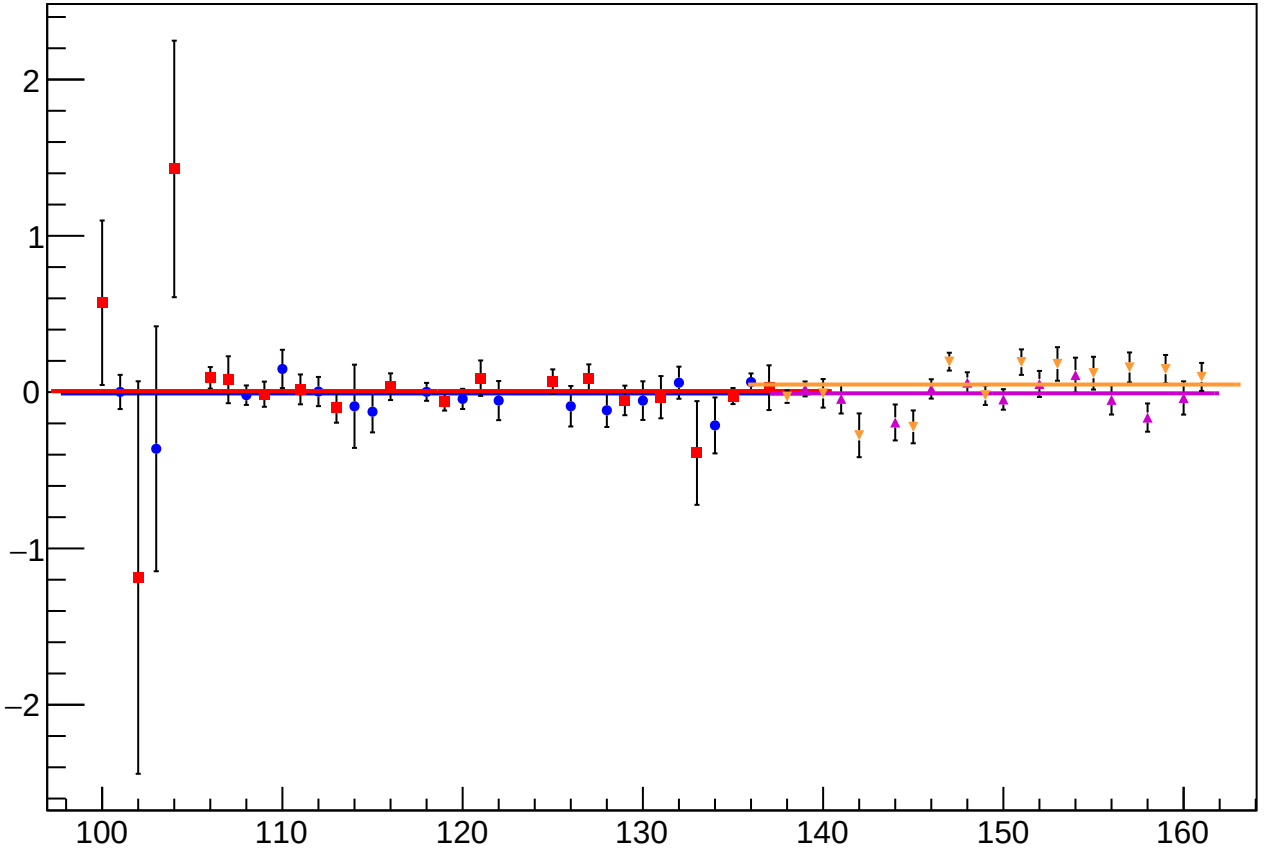
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 59.742+/-0.012 χ^2/NDF:4045617.4/26

Out: 54.990+/-0.011 χ^2/NDF:5520634.9/29

All: 57.248+/-0.008 χ^2/NDF: 9655627.7/56

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: 0.049+/-0.022 χ^2/NDF:31.8/11

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.022+/-0.016 χ^2/NDF: 44.6/22

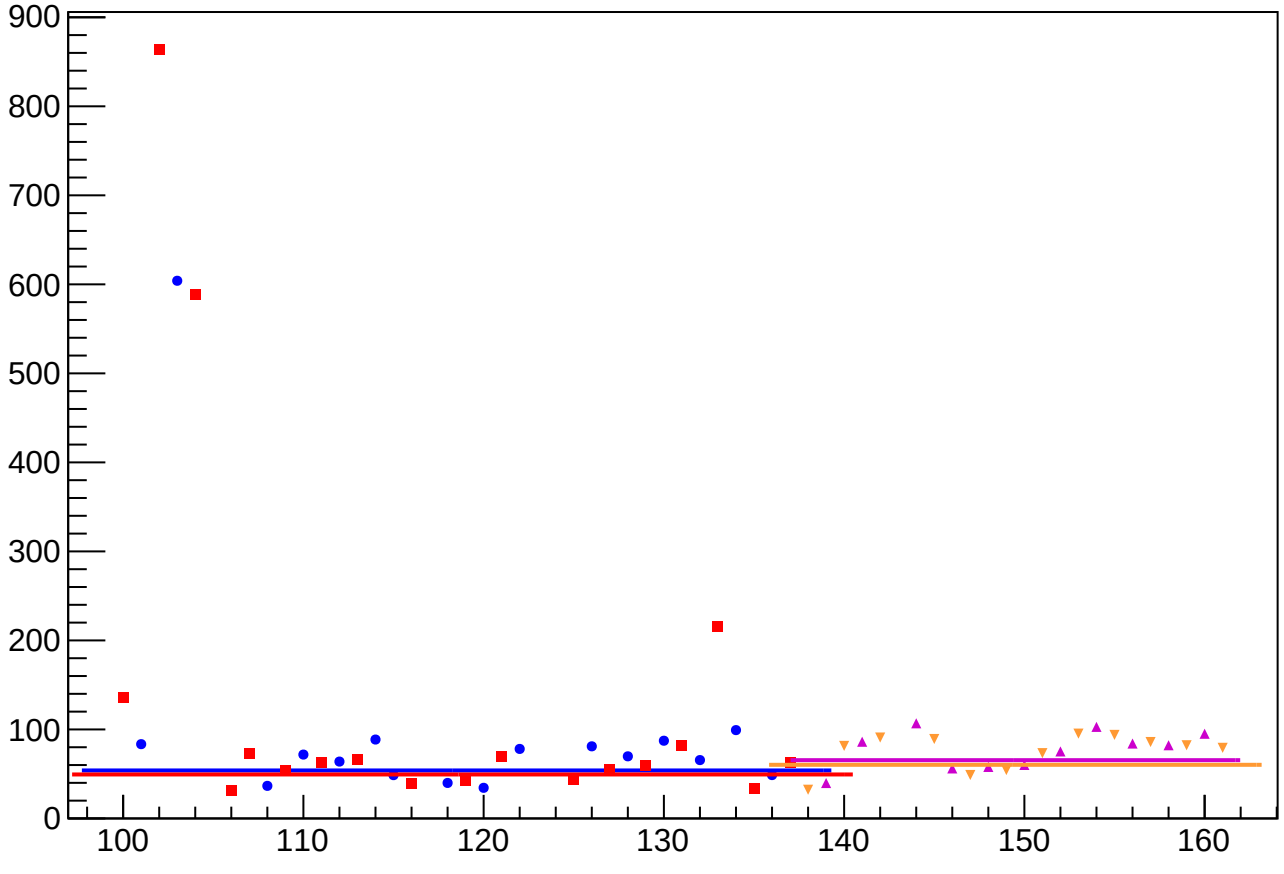
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.028+/-0.015 χ^2/NDF:47.3/29

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

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: 60.261+/-0.015 χ^2/NDF:2258374.4/11

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

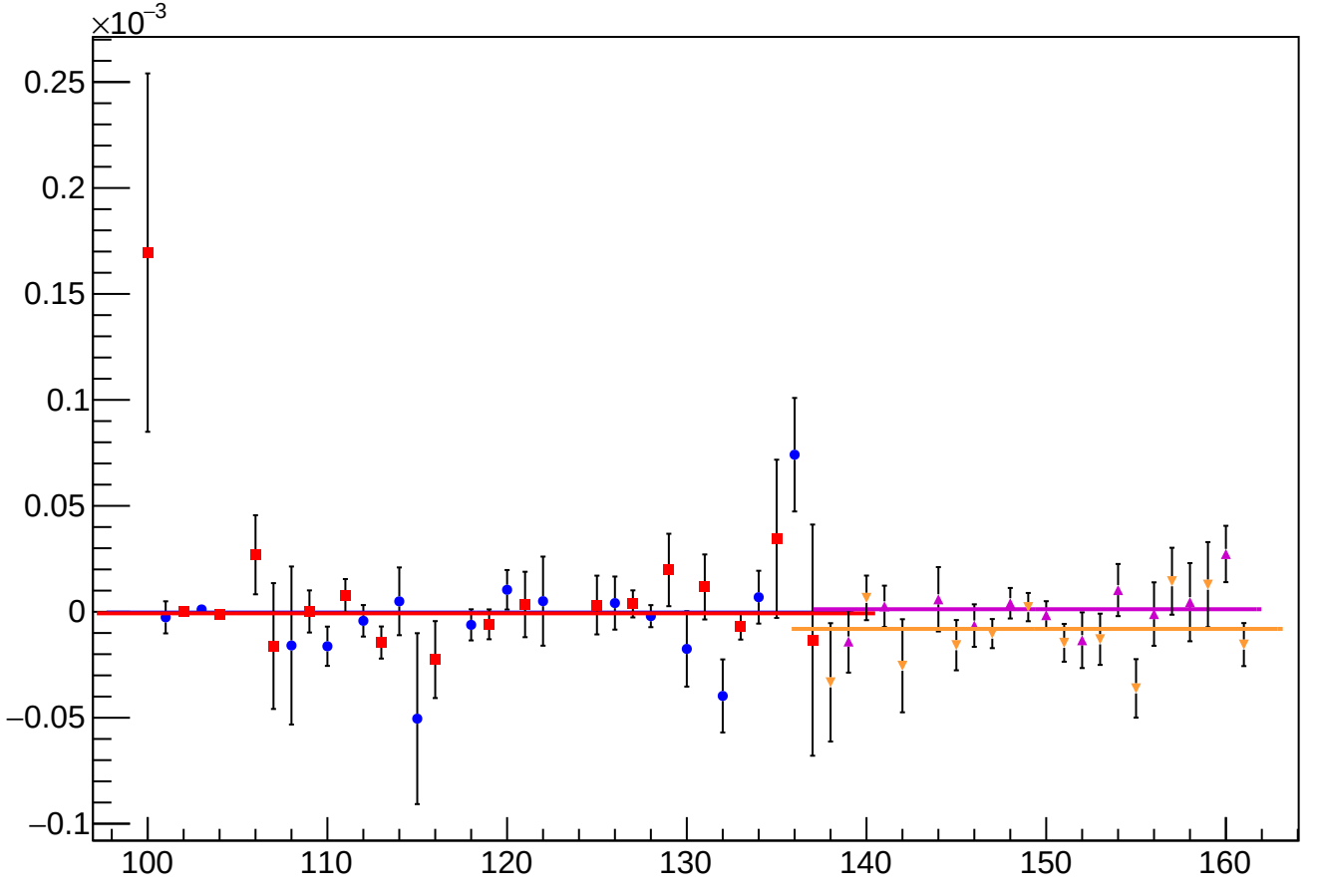
Left: 62.713+/-0.011 χ^2/NDF: 3892798.0/22

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 59.742+/-0.012 χ^2/NDF:4045617.4/26

Out: 54.990+/-0.011 χ^2/NDF:5520634.9/29

All: 57.248+/-0.008 χ^2/NDF: 9655627.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/10

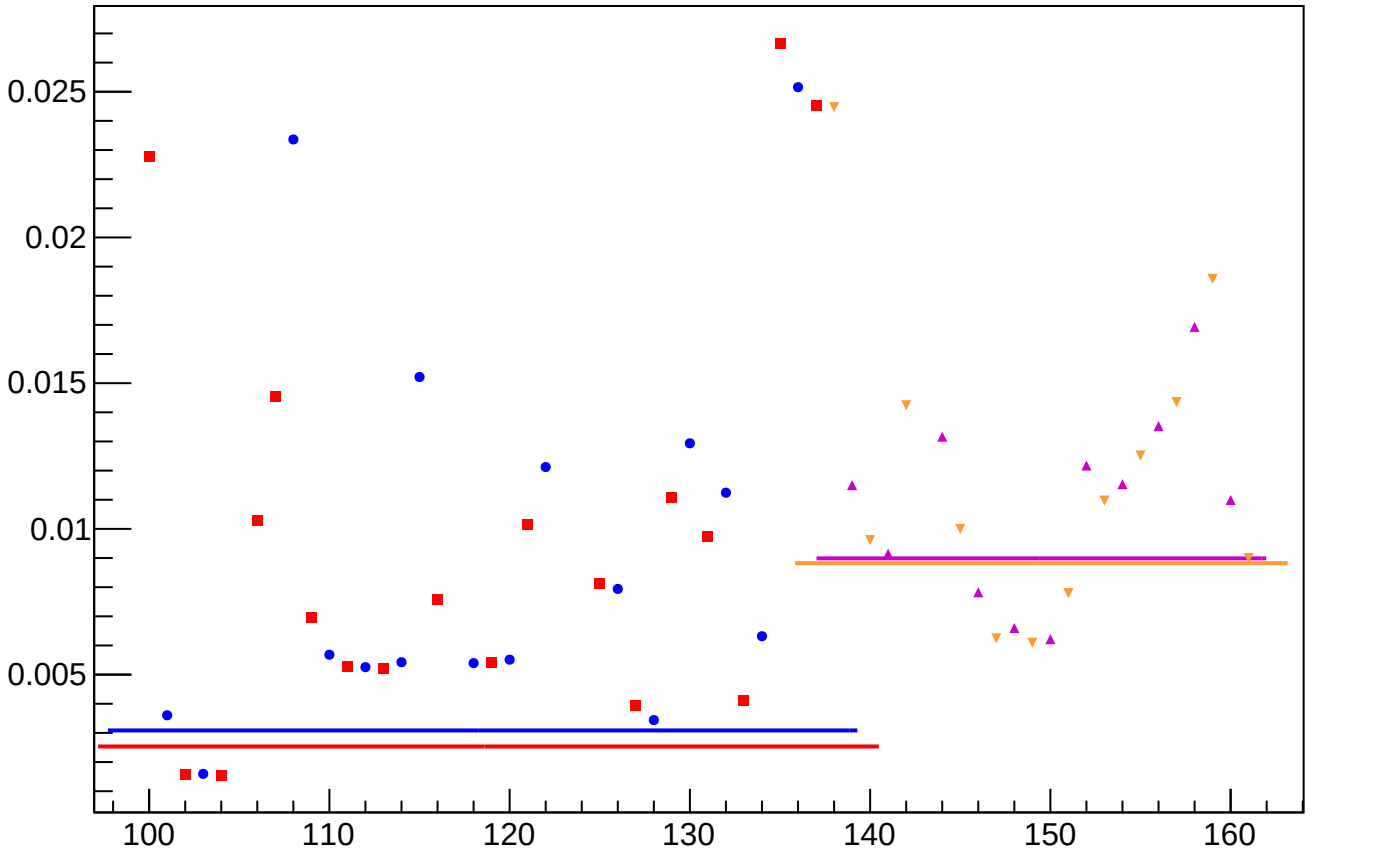
Left: -0.000+/-0.000 χ^2/NDF: 26.9/22

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:30.1/26

Out: -0.000+/-0.000 χ^2/NDF:37.4/29

All: -0.000+/-0.000 χ^2/NDF: 68.4/56



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2347495.0/11

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1616729.1/10

Left: 0.009+/-0.000 χ^2/NDF: 3966945.5/22

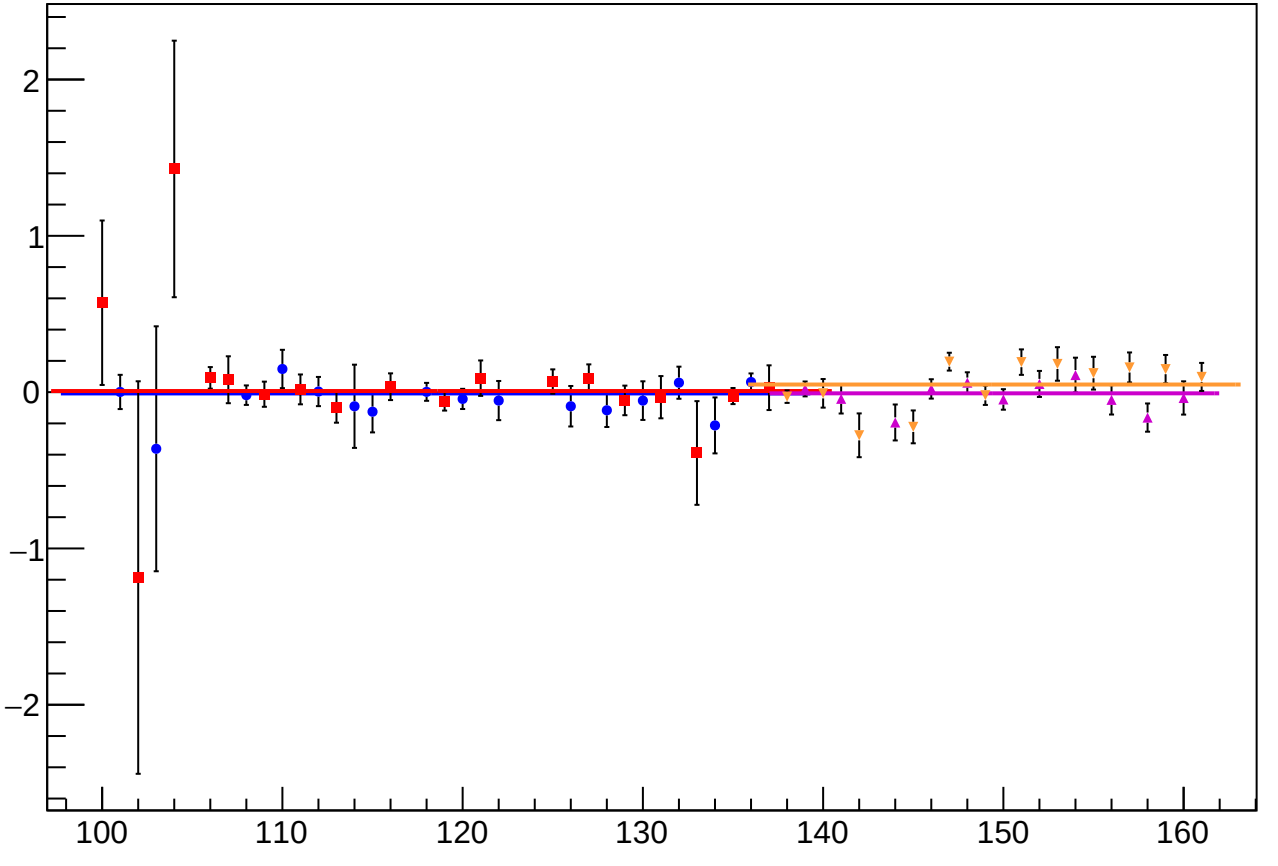
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:12796504.5/26

Out: 0.003+/-0.000 χ^2/NDF:15632670.3/29

All: 0.004+/-0.000 χ^2/NDF: 28844795.9/56

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: 0.049+/-0.022 χ^2/NDF:31.8/11

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.022+/-0.016 χ^2/NDF: 44.6/22

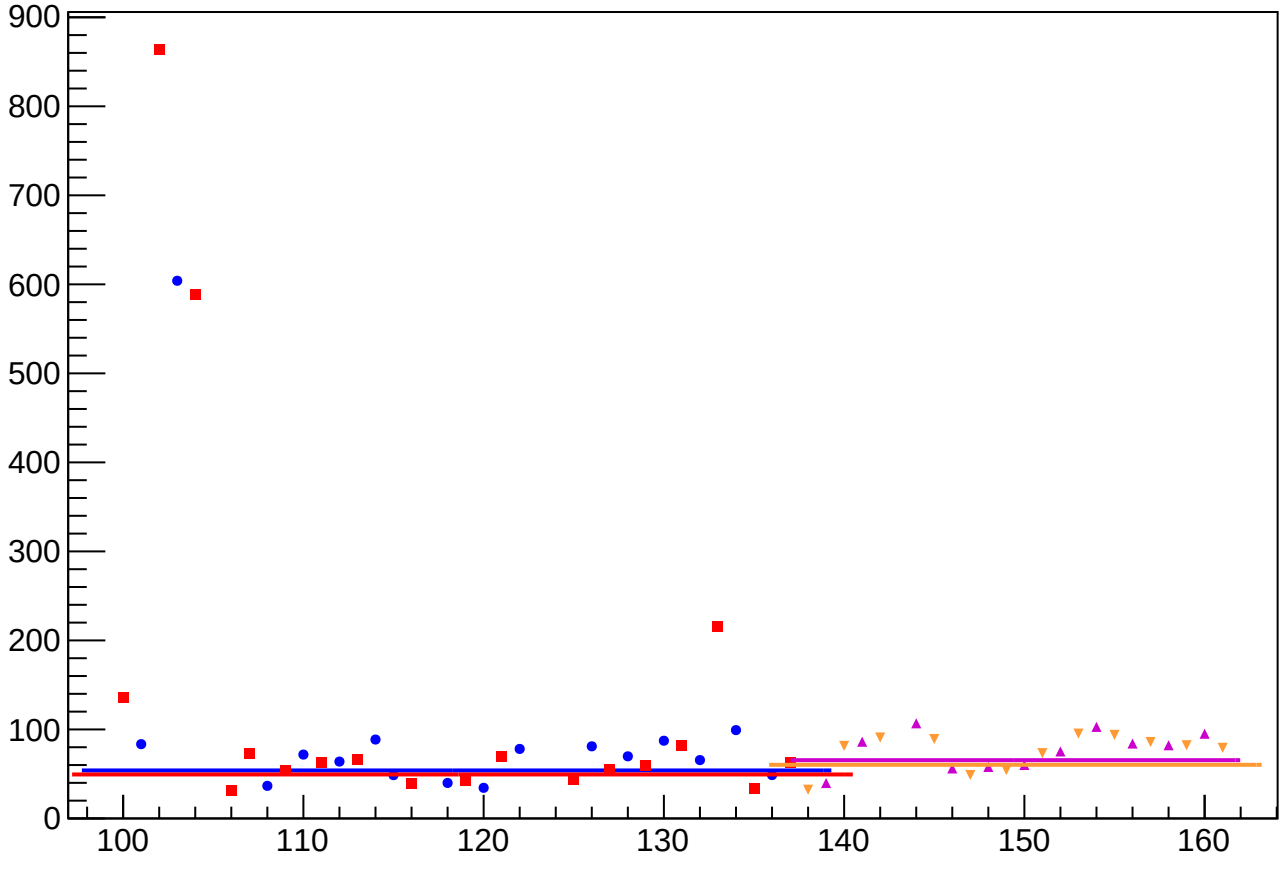
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.028+/-0.015 χ^2/NDF:47.3/29

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

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: 60.265+/-0.015 χ^2/NDF:2257614.8/11

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

Left: 62.715+/-0.011 χ^2/NDF: 3892156.0/22

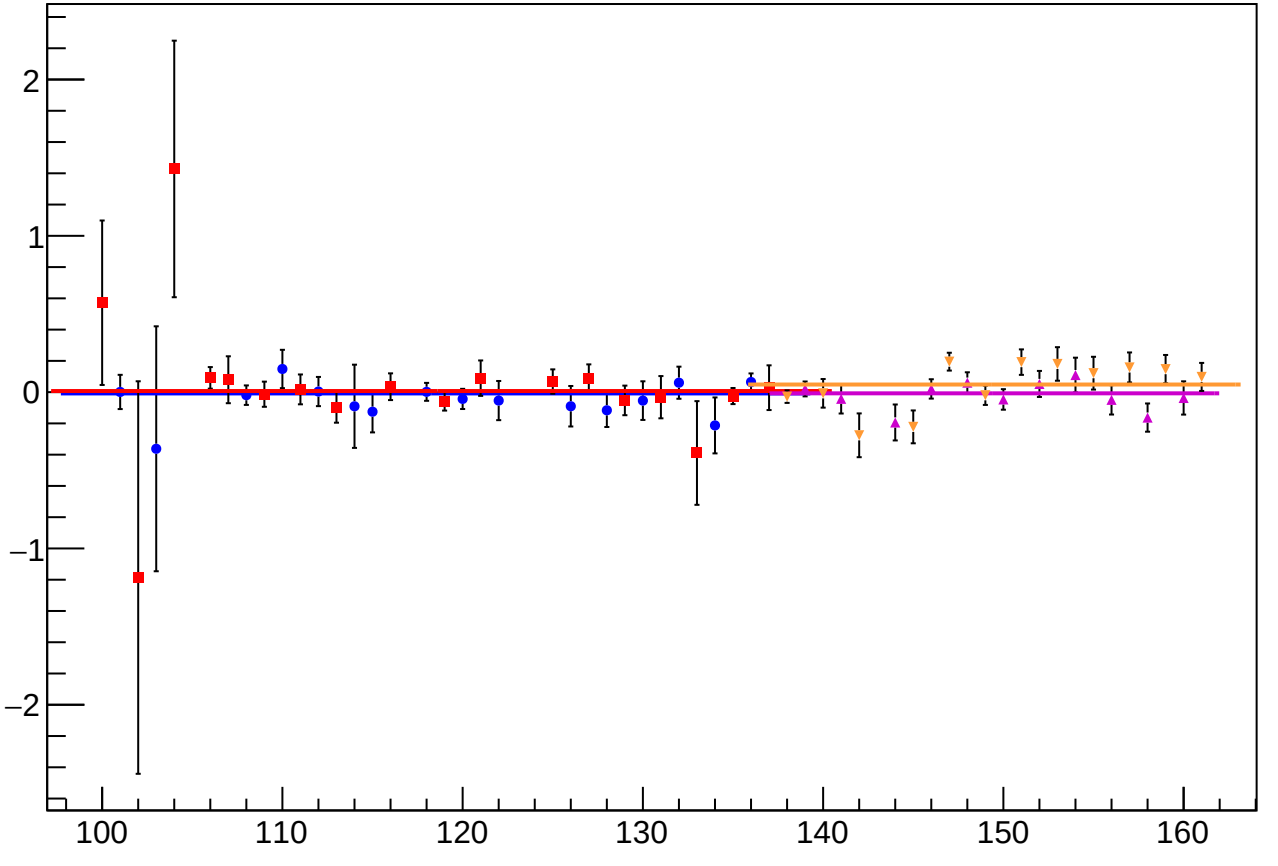
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 59.743+/-0.012 χ^2/NDF:4045251.0/26

Out: 54.993+/-0.011 χ^2/NDF:5519661.1/29

All: 57.251+/-0.008 χ^2/NDF: 9654238.6/56

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: 0.049+/-0.022 χ^2/NDF:31.8/11

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.008+/-0.023 χ^2/NDF:9.6/10

Left: 0.022+/-0.016 χ^2/NDF: 44.6/22

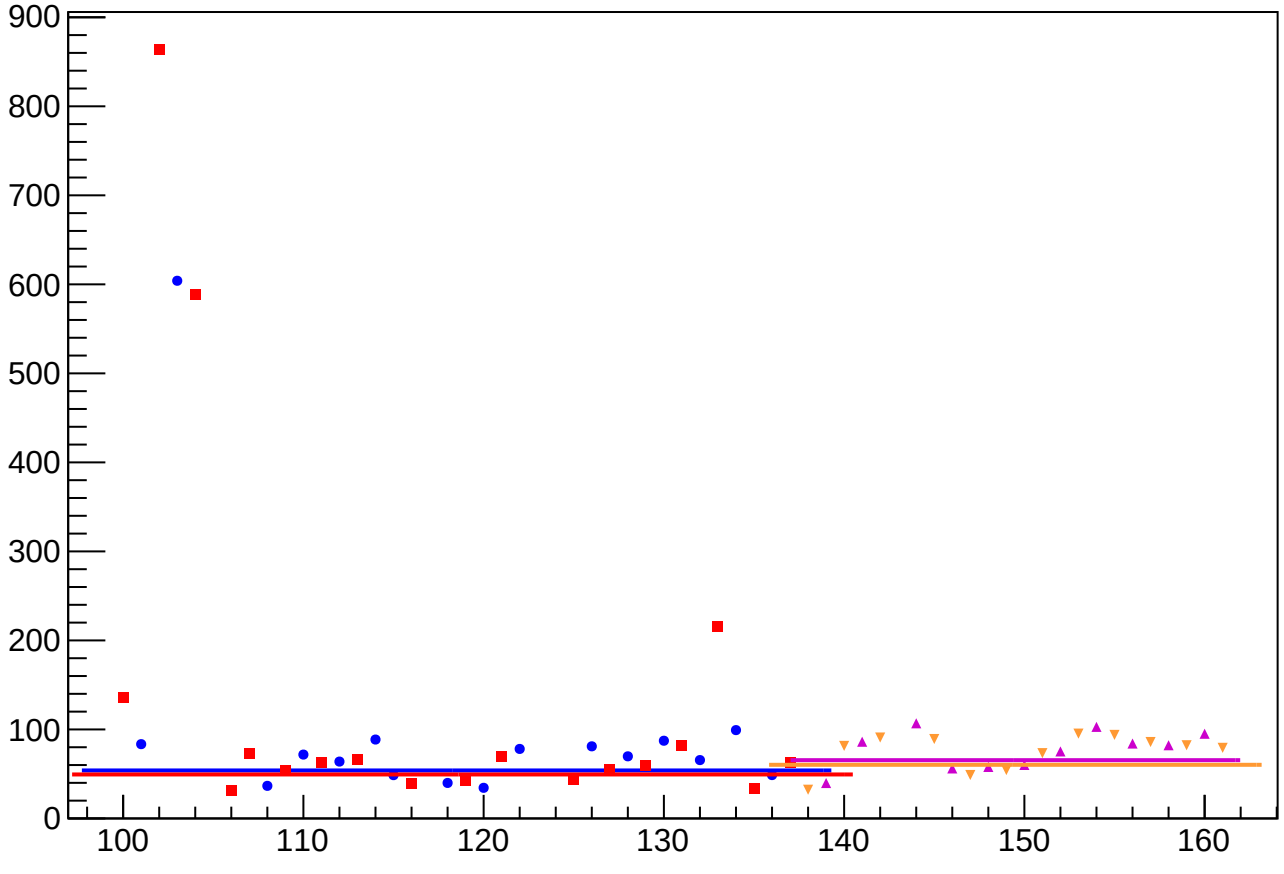
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.008+/-0.016 χ^2/NDF:17.9/26

Out: 0.028+/-0.015 χ^2/NDF:47.3/29

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

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: 60.265+/-0.015 χ^2/NDF:2257614.8/11

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

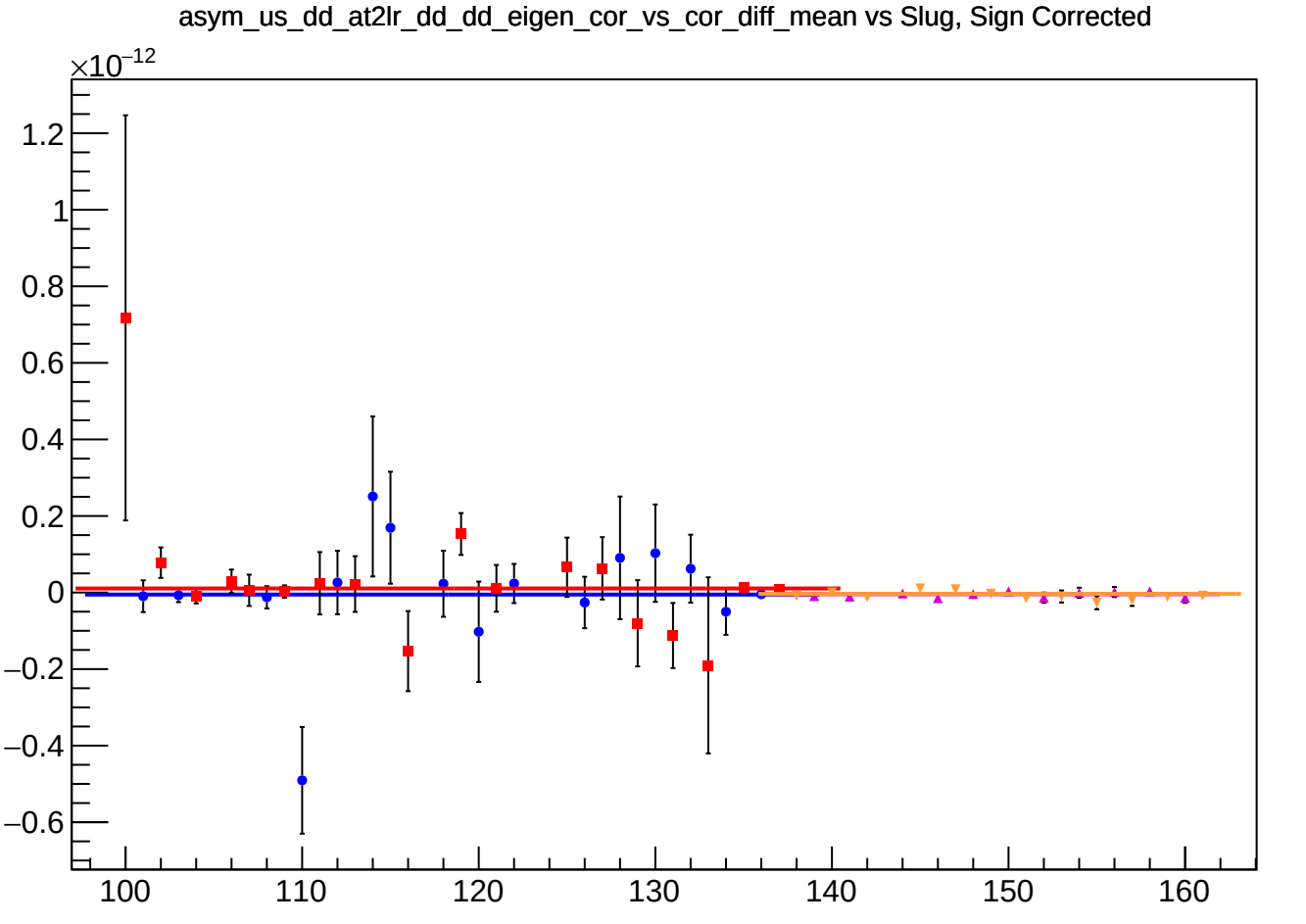
Left: 62.715+/-0.011 χ^2/NDF: 3892156.0/22

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 59.743+/-0.012 χ^2/NDF:4045251.0/26

Out: 54.993+/-0.011 χ^2/NDF:5519661.1/29

All: 57.251+/-0.008 χ^2/NDF: 9654238.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/10

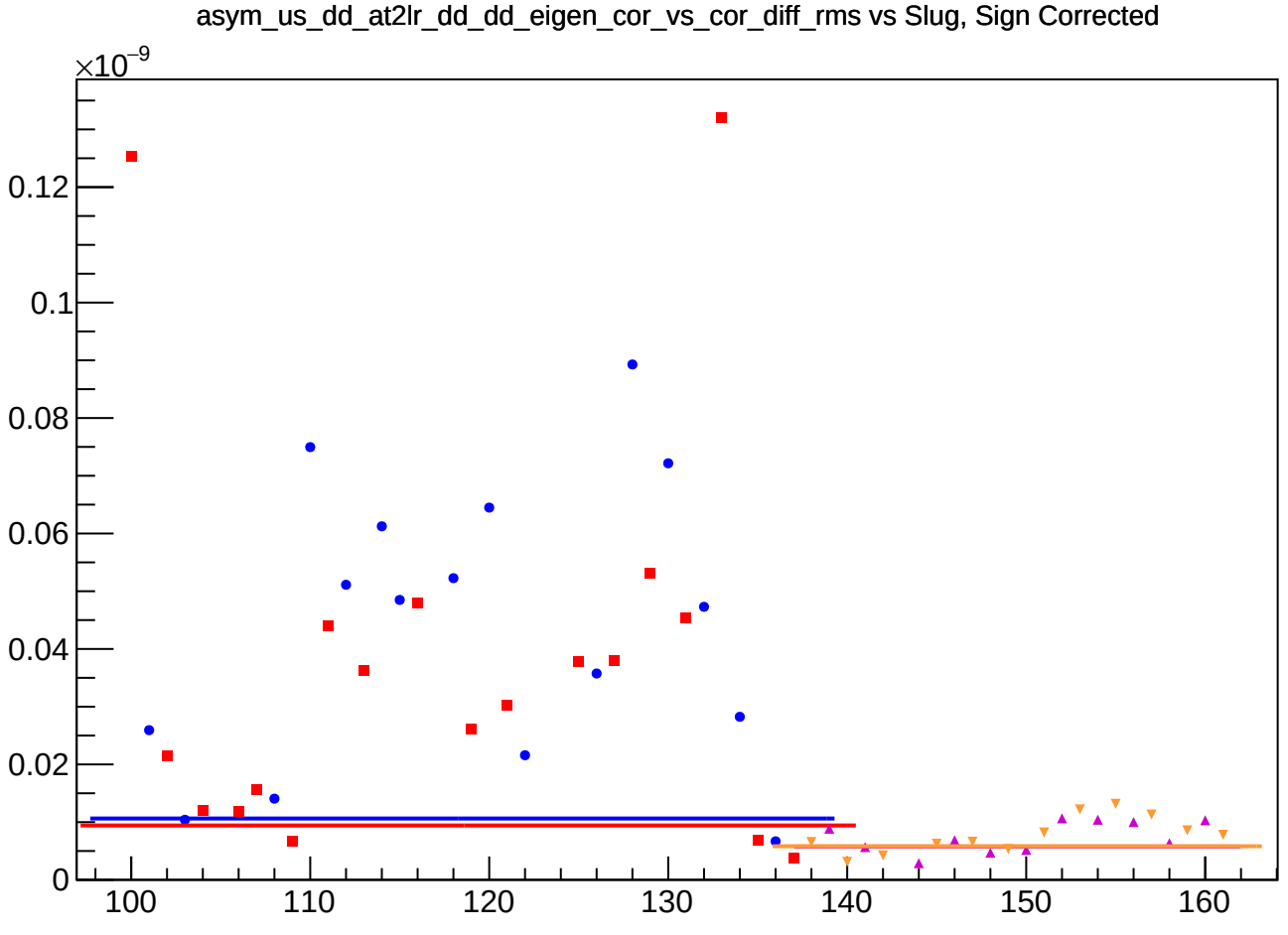
Left: -0.000+/-0.000 χ^2/NDF: 17.6/22

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.5/26

Out: -0.000+/-0.000 χ^2/NDF:36.0/29

All: -0.000+/-0.000 χ^2/NDF: 61.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2042694.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1917755.5/10

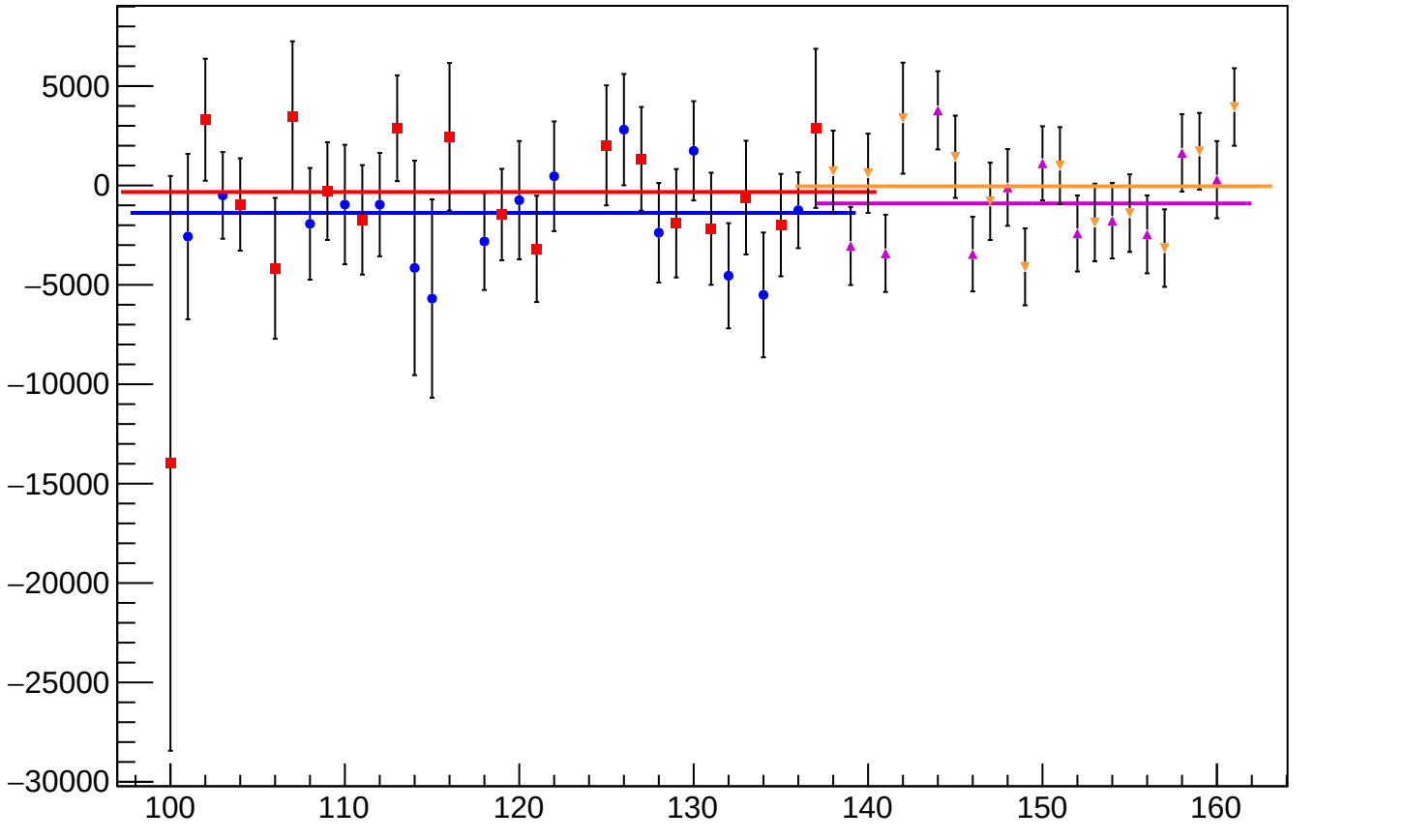
Left: 0.000+/-0.000 χ^2/NDF: 3961027.2/22

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7368287.7/26

Out: 0.000+/-0.000 χ^2/NDF:6611502.1/29

All: 0.000+/-0.000 χ^2/NDF: 13980052.5/56



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -41.266+/-580.112 χ^2/NDF:16.0/11

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -904.492+/-581.042 χ^2/NDF:15.3/10

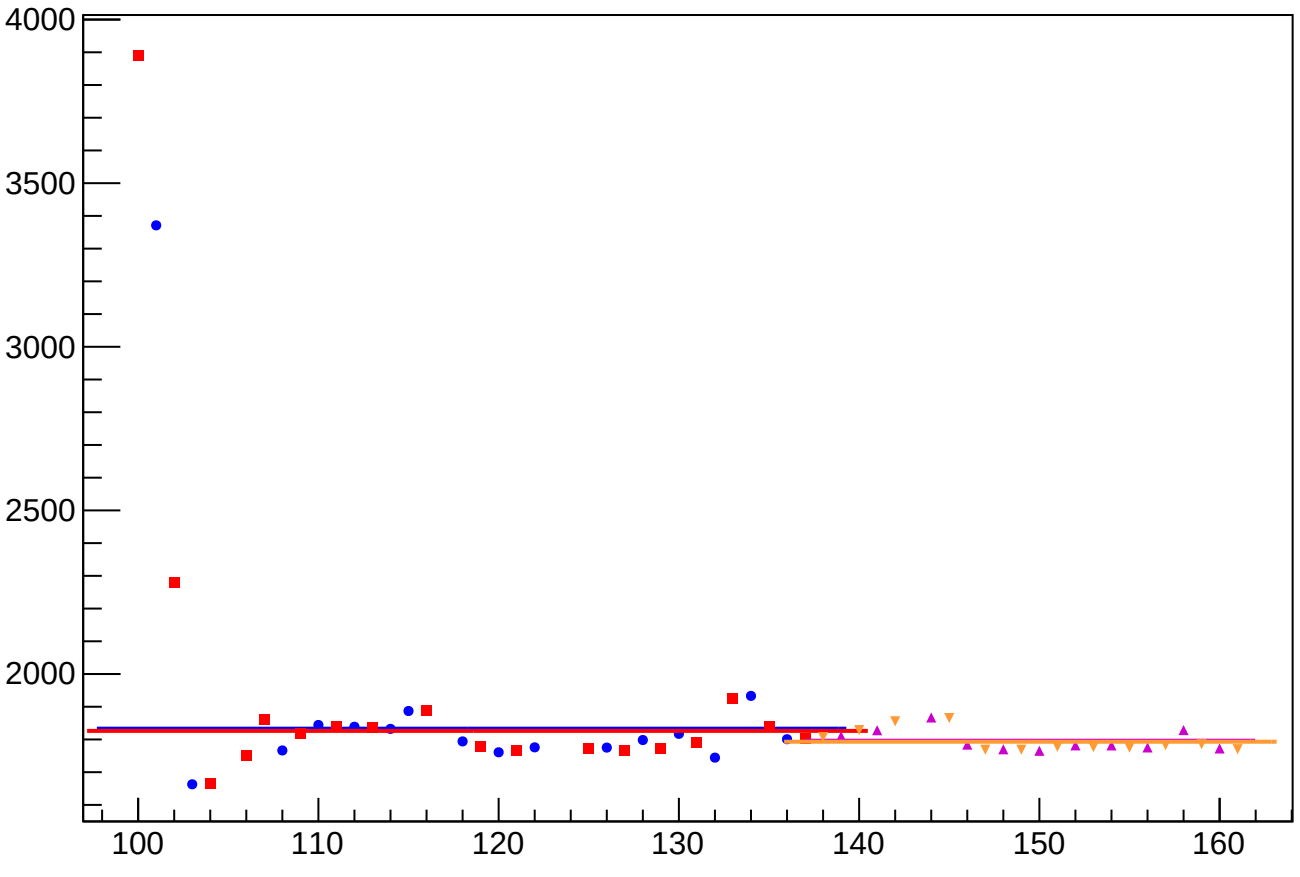
Left: -472.187+/-410.529 χ^2/NDF: 32.4/22

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1101.590+/-444.189 χ^2/NDF:24.8/26

Out: -161.571+/-442.390 χ^2/NDF:27.2/29

All: -629.673+/-313.451 χ^2/NDF: 54.2/56



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1793.116+/-0.410 χ^2/NDF:5614.3/11

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

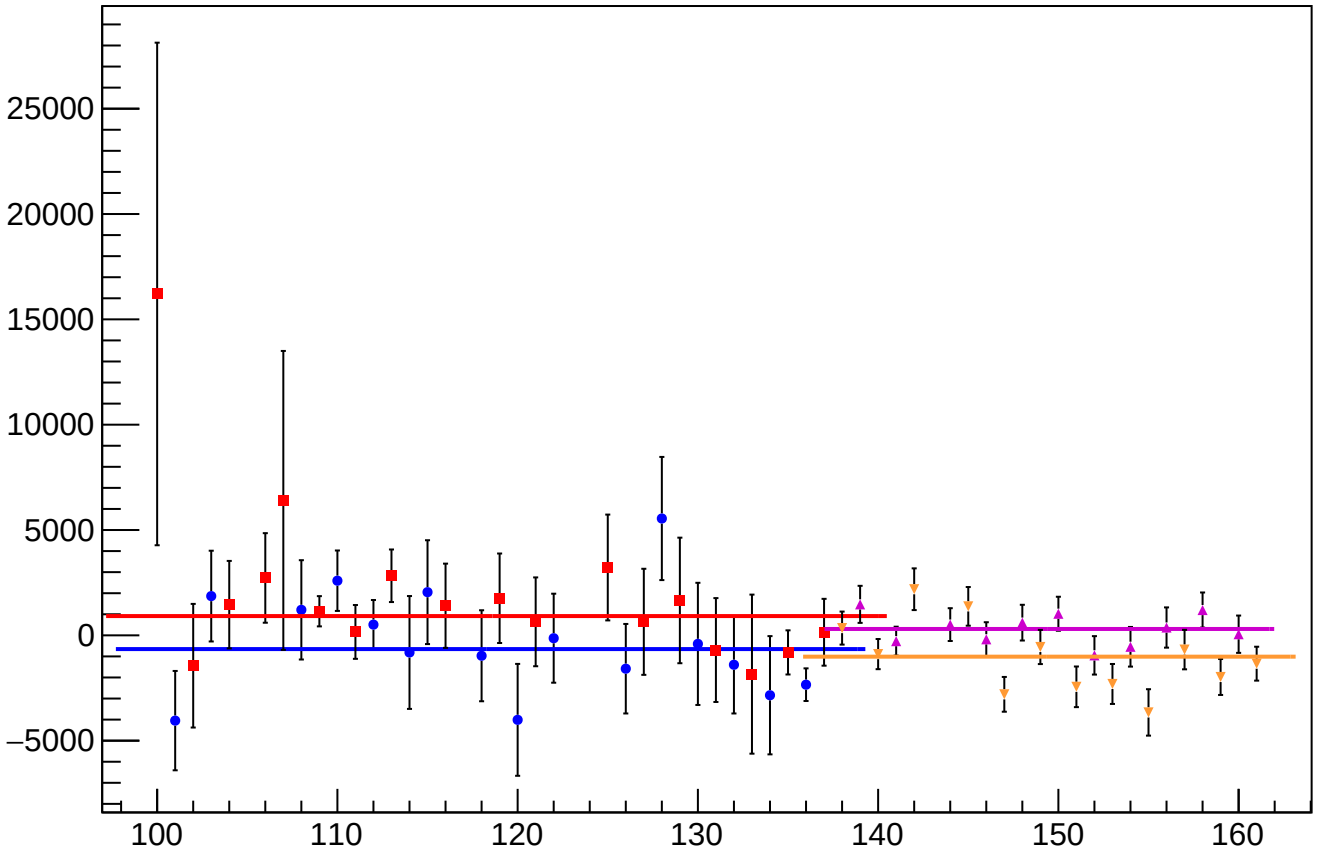
Left: 1794.680+/-0.290 χ^2/NDF: 11186.5/22

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1811.500+/-0.314 χ^2/NDF:304297.8/26

Out: 1806.963+/-0.313 χ^2/NDF:111344.2/29

All: 1809.223+/-0.222 χ^2/NDF: 415746.8/56



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1011.919+/-251.235 χ^2/NDF:36.7/11

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 302.584+/-252.714 χ^2/NDF:7.8/10

Left: -358.526+/-178.171 χ^2/NDF: 58.1/22

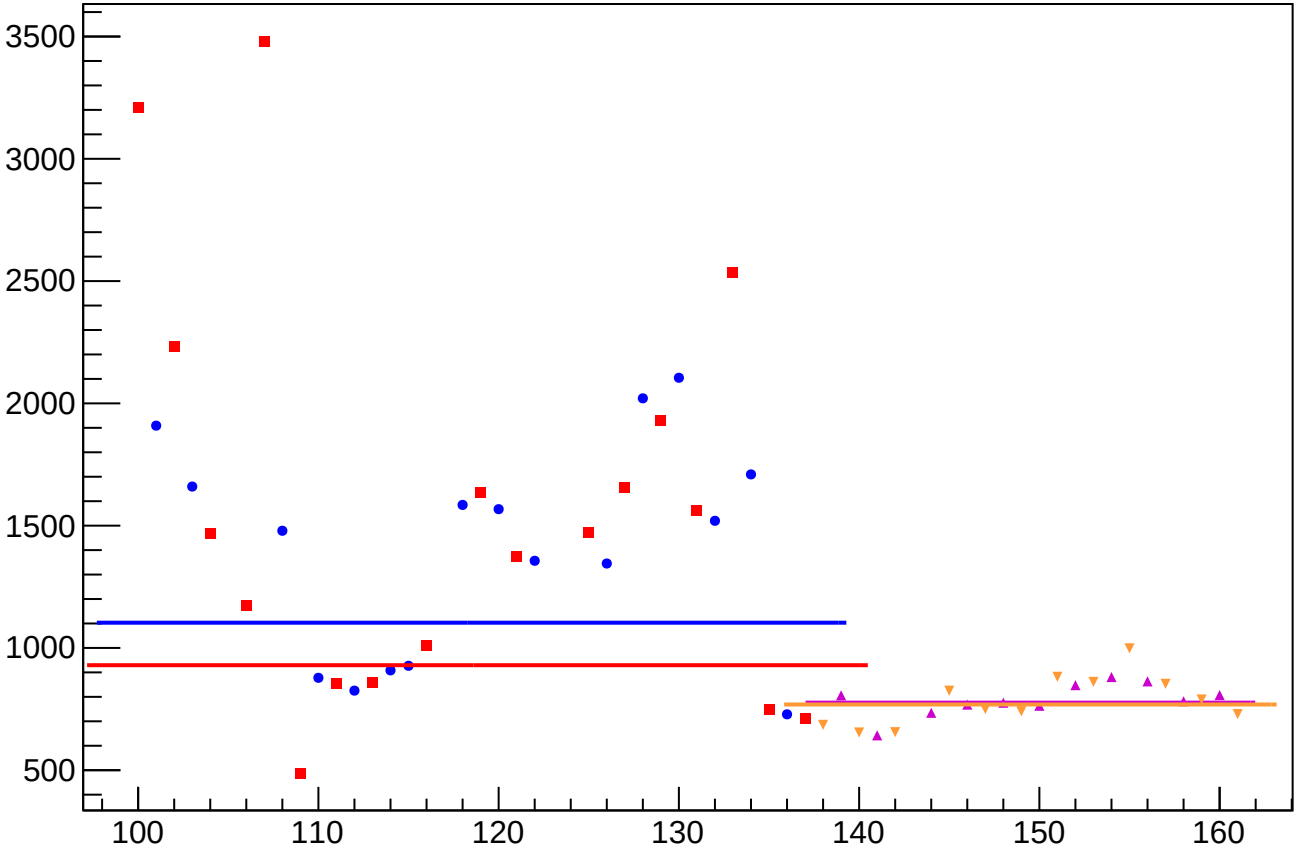
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 67.531+/-219.403 χ^2/NDF:34.5/26

Out: -453.829+/-211.744 χ^2/NDF:65.2/29

All: -202.409+/-152.361 χ^2/NDF: 102.7/56

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: 768.747+/-0.178 χ^2/NDF:266371.0/11

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 776.353+/-0.179 χ^2/NDF:140795.5/10

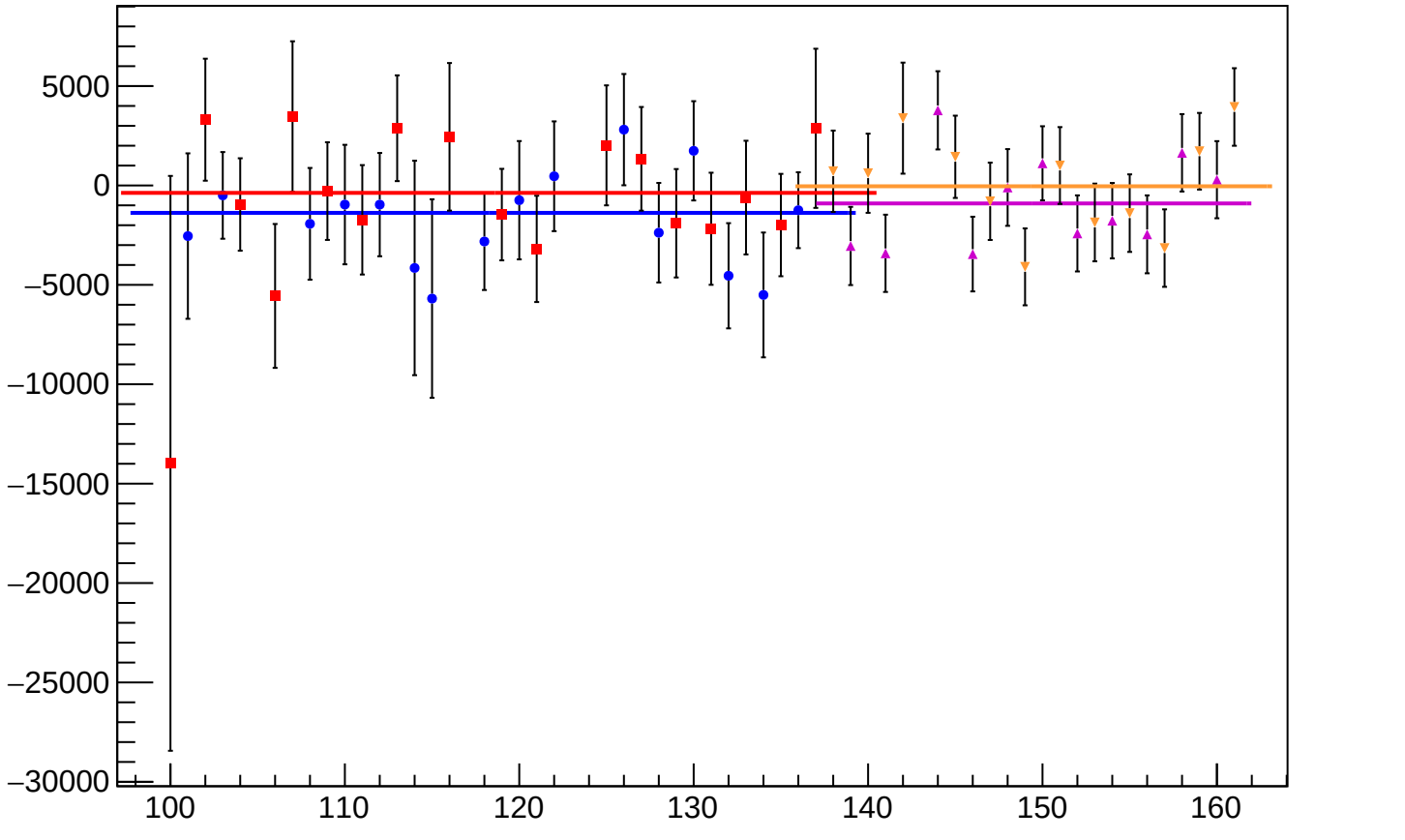
Left: 772.527+/-0.126 χ^2/NDF: 408077.7/22

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 856.835+/-0.155 χ^2/NDF:2842717.5/26

Out: 815.271+/-0.150 χ^2/NDF:3557228.8/29

All: 835.315+/-0.108 χ^2/NDF: 6437109.5/56



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -41.133+/-580.112 χ^2/NDF:16.0/11

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -904.403+/-581.042 χ^2/NDF:15.3/10

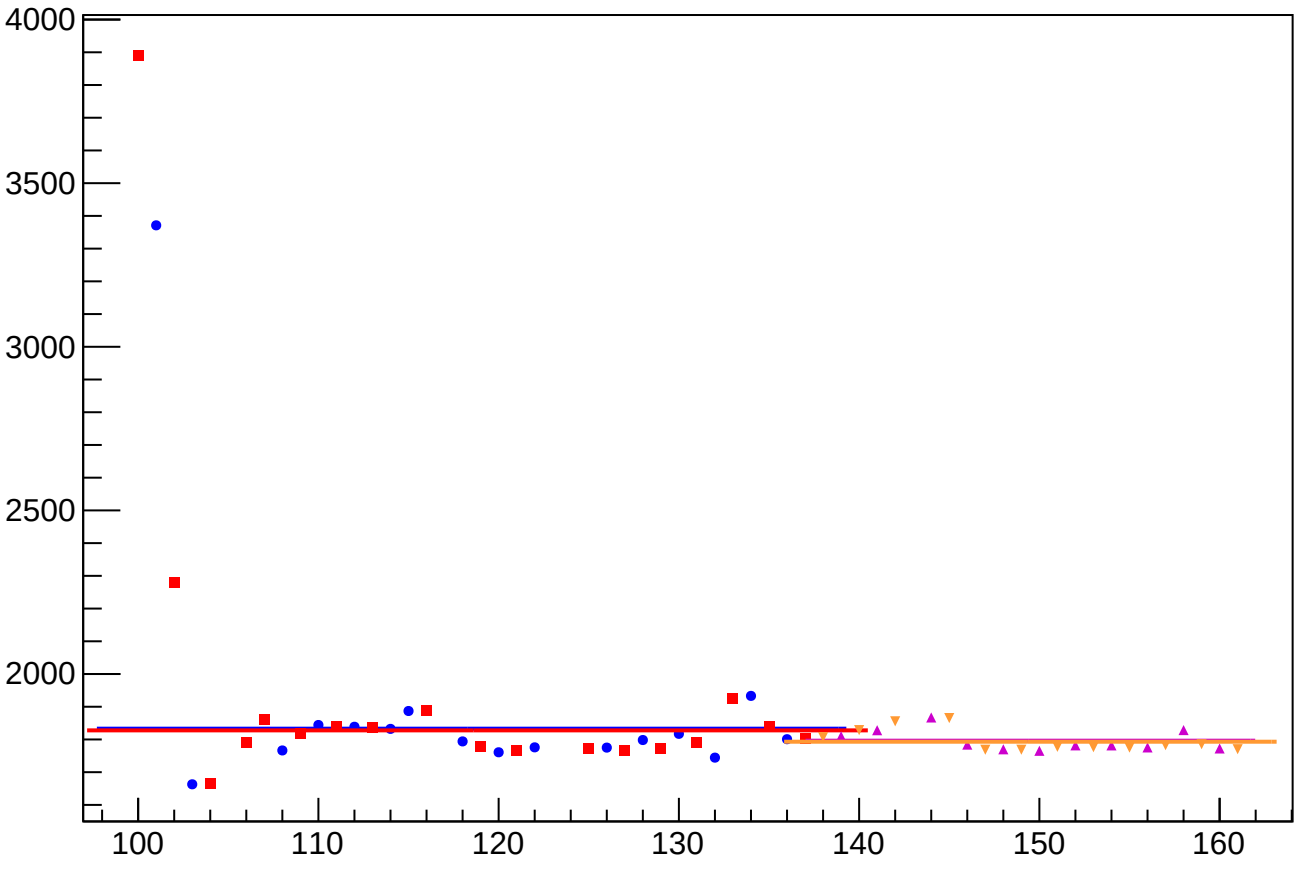
Left: -472.076+/-410.529 χ^2/NDF: 32.4/22

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1101.278+/-444.189 χ^2/NDF:24.8/26

Out: -179.684+/-442.531 χ^2/NDF:28.1/29

All: -638.758+/-313.501 χ^2/NDF: 55.1/56



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1793.116+/-0.410 χ^2/NDF:5614.3/11

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

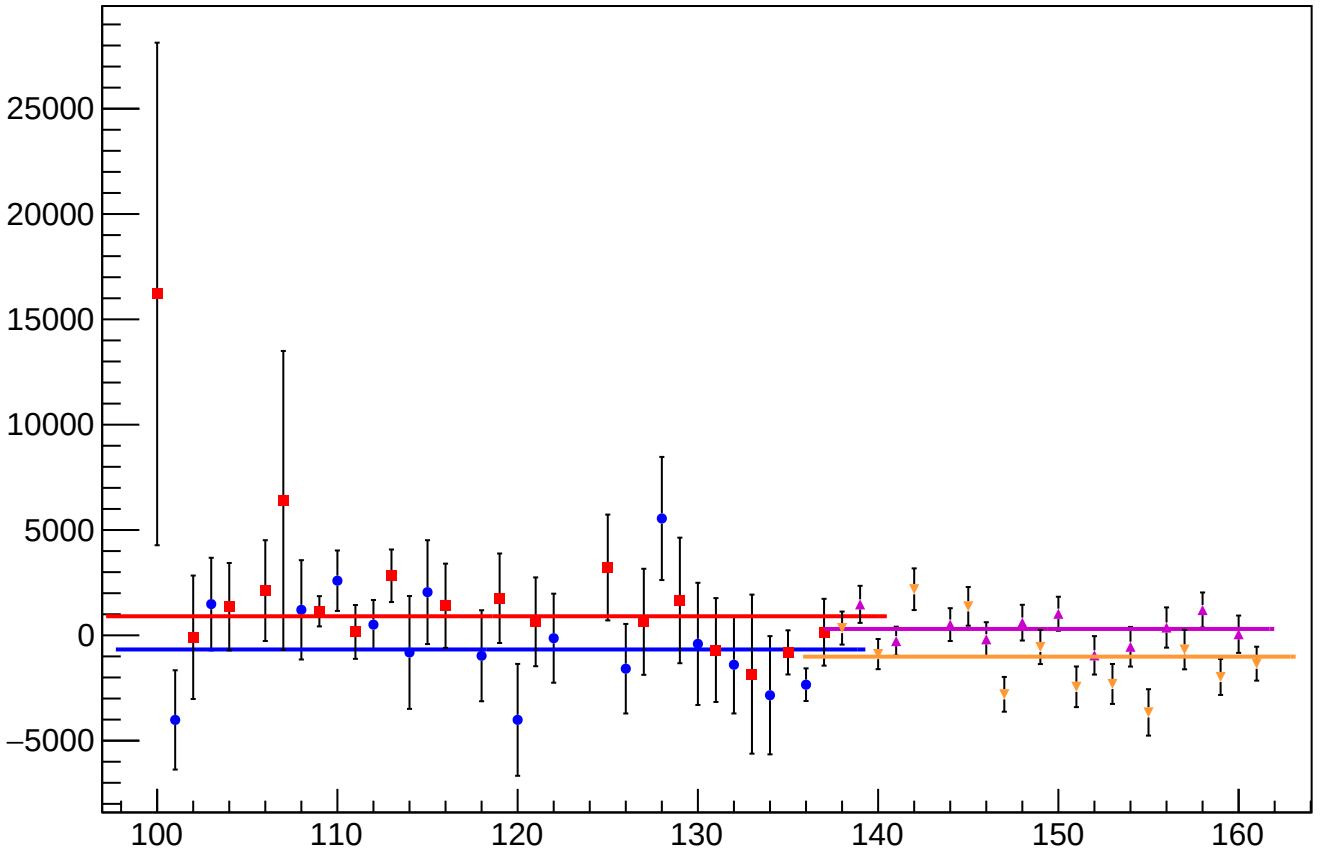
Left: 1794.680+/-0.290 χ^2/NDF: 11186.5/22

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1811.500+/-0.314 χ^2/NDF:304299.7/26

Out: 1807.610+/-0.313 χ^2/NDF:110871.0/29

All: 1809.548+/-0.222 χ^2/NDF: 415247.7/56



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1011.878+/-251.237 χ^2/NDF:36.7/11

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 302.522+/-252.715 χ^2/NDF:7.8/10

Left: -358.535+/-178.172 χ^2/NDF: 58.1/22

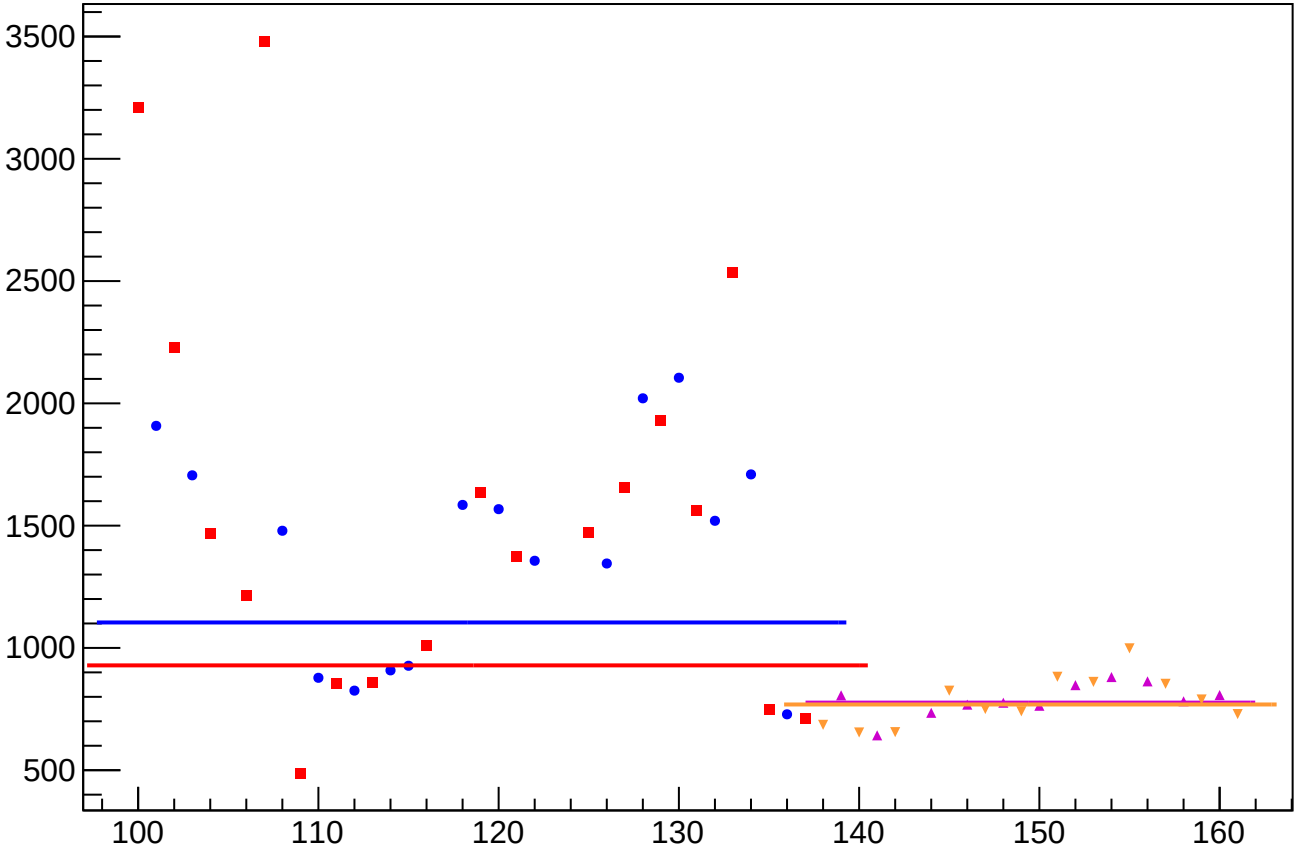
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.206+/-219.449 χ^2/NDF:34.2/26

Out: -459.142+/-211.961 χ^2/NDF:64.0/29

All: -207.032+/-152.458 χ^2/NDF: 101.1/56

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: 768.752+/-0.178 χ^2/NDF:266338.8/11

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

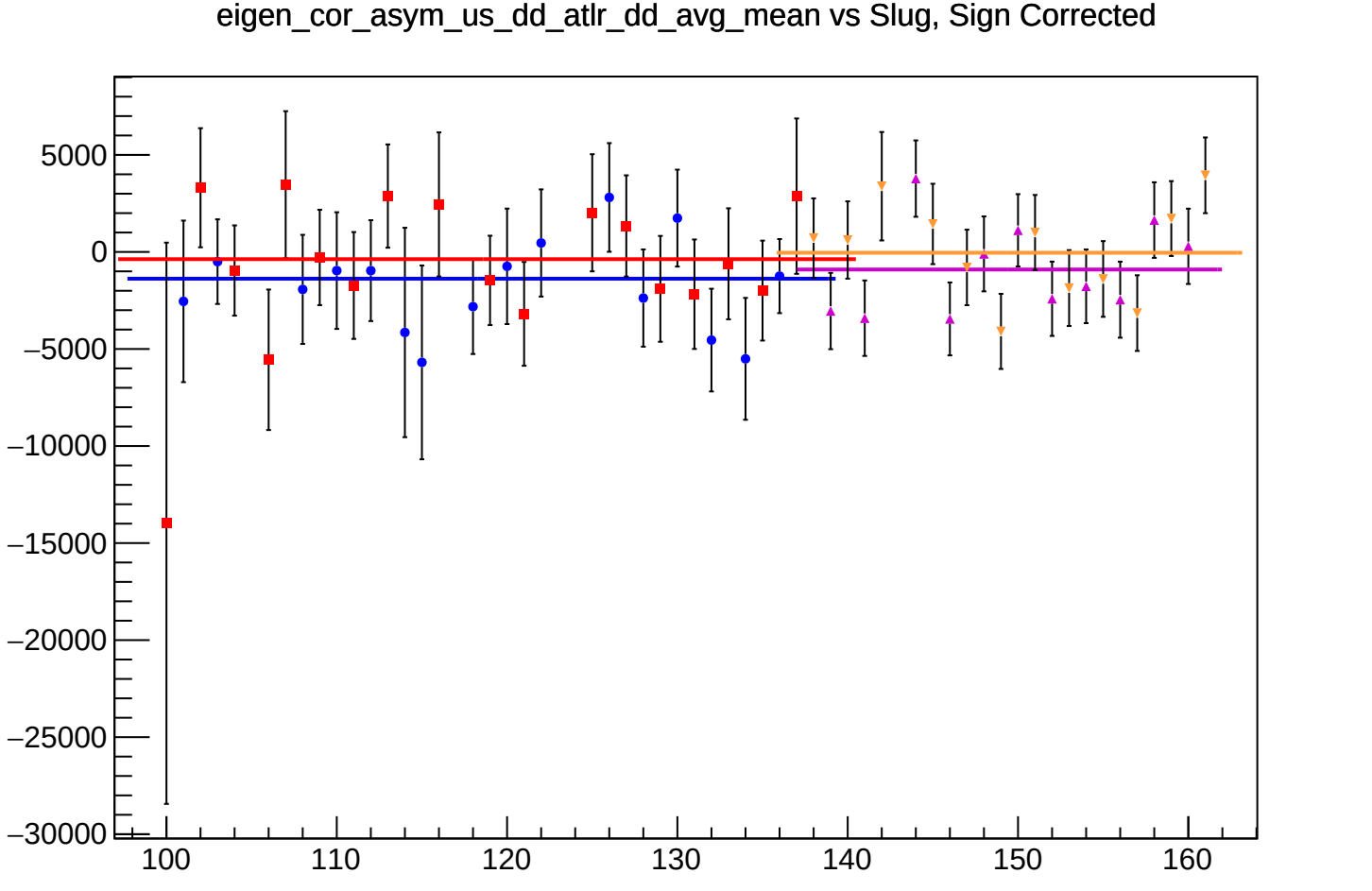
Left: 772.532+/-0.126 χ^2/NDF: 408095.0/22

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 856.962+/-0.155 χ^2/NDF:2862653.5/26

Out: 814.832+/-0.150 χ^2/NDF:3554151.4/29

All: 835.166+/-0.108 χ^2/NDF: 6454940.4/56



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -41.133+/-580.112 χ^2/NDF:16.0/11

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -904.403+/-581.042 χ^2/NDF:15.3/10

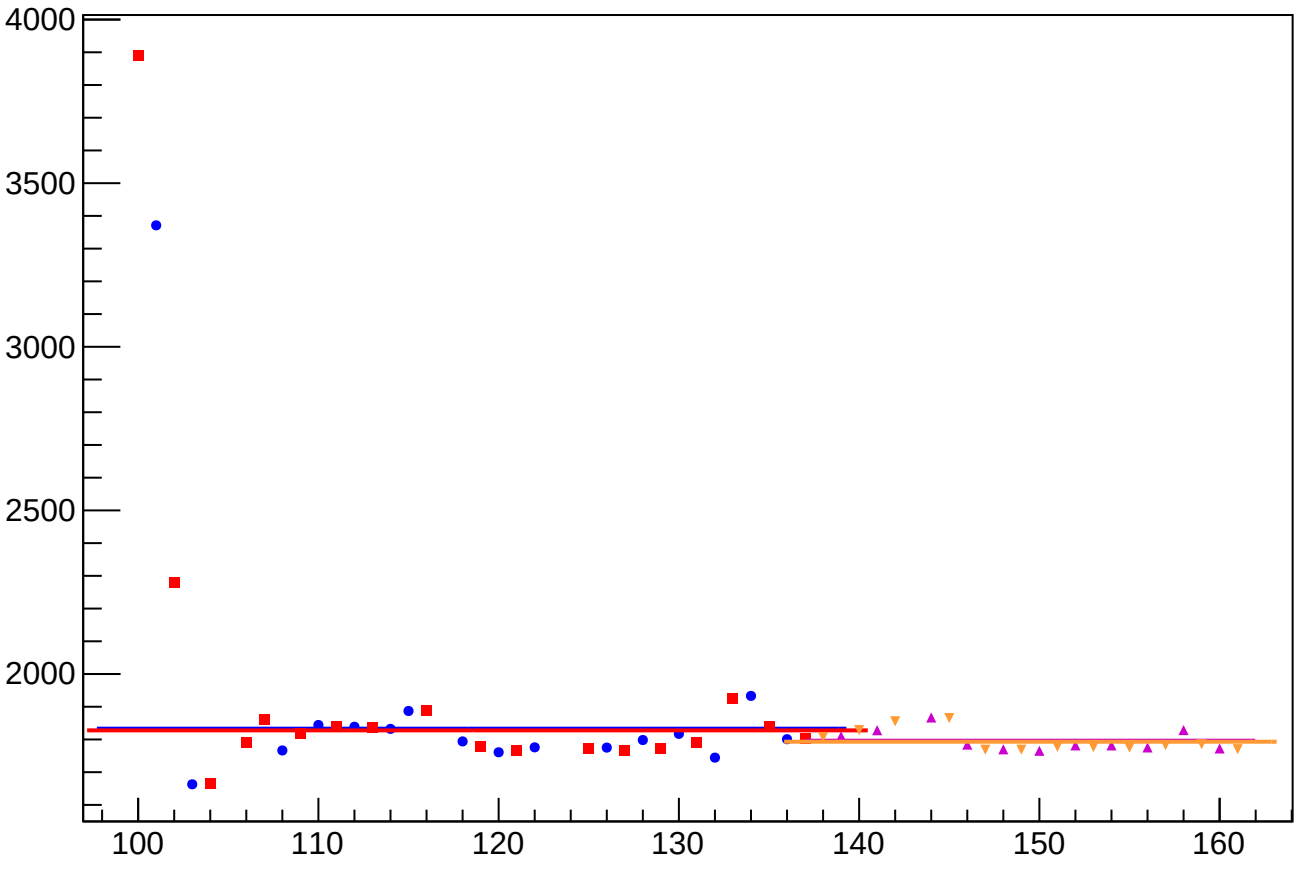
Left: -472.076+/-410.529 χ^2/NDF: 32.4/22

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1101.278+/-444.189 χ^2/NDF:24.8/26

Out: -179.684+/-442.531 χ^2/NDF:28.1/29

All: -638.758+/-313.501 χ^2/NDF: 55.1/56



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1793.116+/-0.410 χ^2/NDF:5614.3/11

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

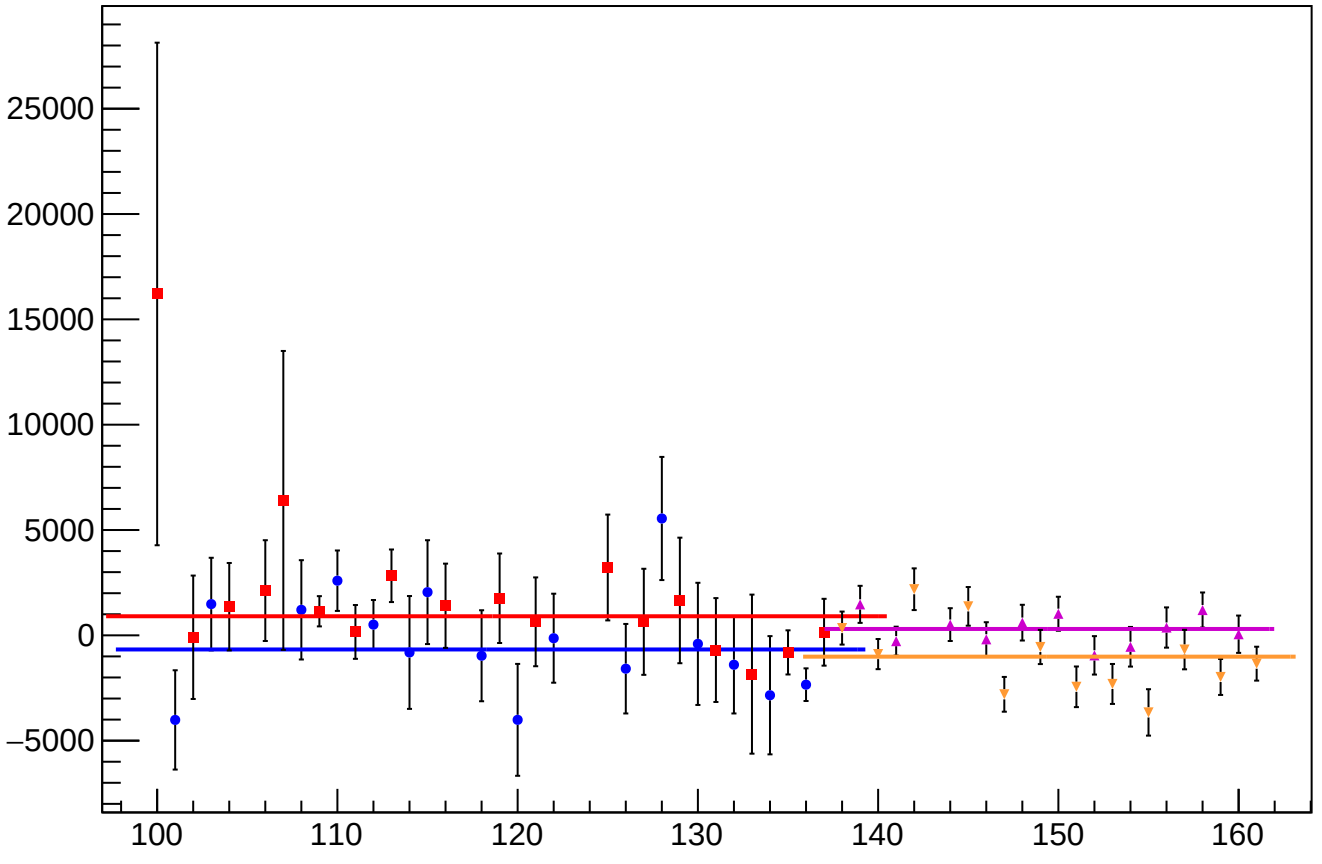
Left: 1794.680+/-0.290 χ^2/NDF: 11186.5/22

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1811.500+/-0.314 χ^2/NDF:304299.7/26

Out: 1807.610+/-0.313 χ^2/NDF:110871.0/29

All: 1809.548+/-0.222 χ^2/NDF: 415247.7/56



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1011.878+/-251.237 χ^2/NDF:36.7/11

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 302.522+/-252.715 χ^2/NDF:7.8/10

Left: -358.535+/-178.172 χ^2/NDF: 58.1/22

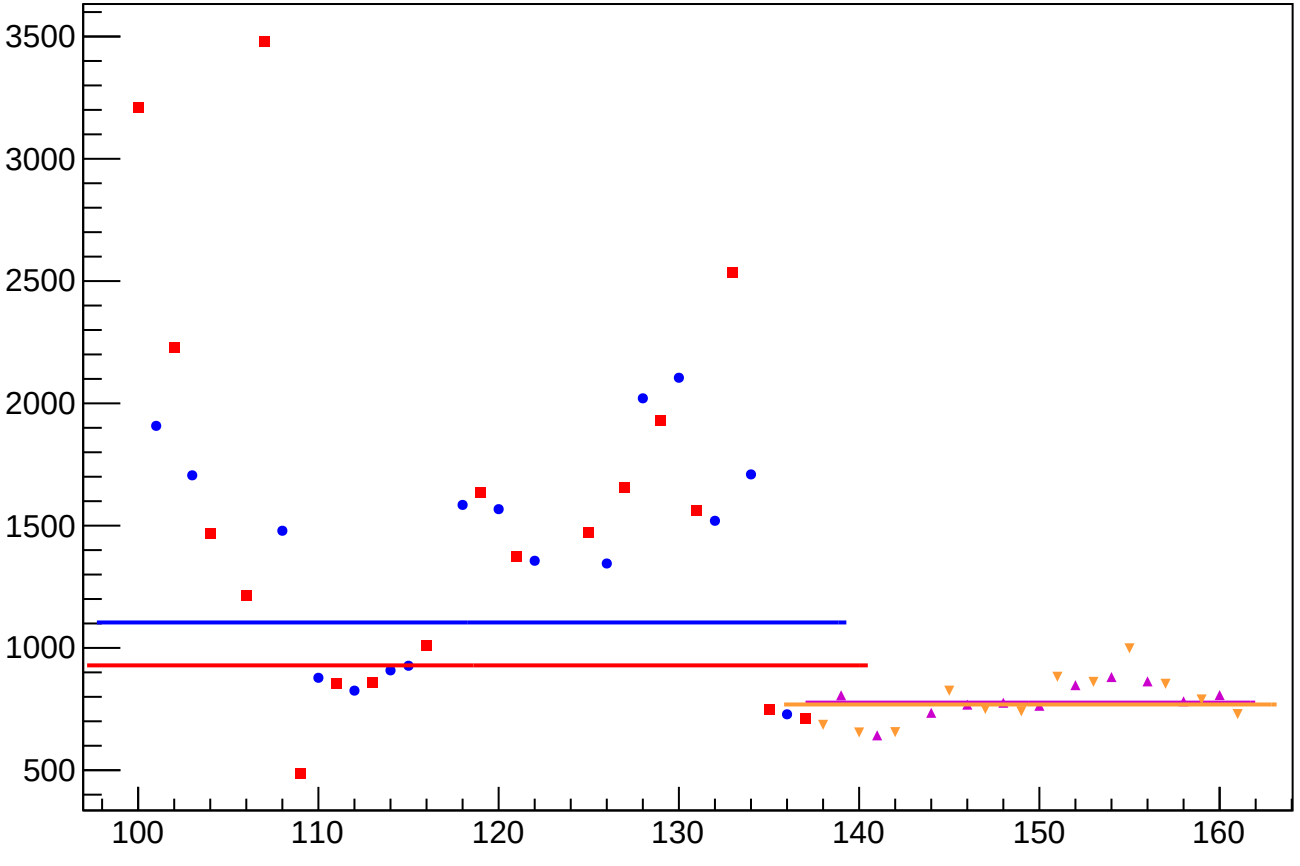
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.206+/-219.449 χ^2/NDF:34.2/26

Out: -459.142+/-211.961 χ^2/NDF:64.0/29

All: -207.032+/-152.458 χ^2/NDF: 101.1/56

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: 768.752+/-0.178 χ^2/NDF:266338.8/11

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

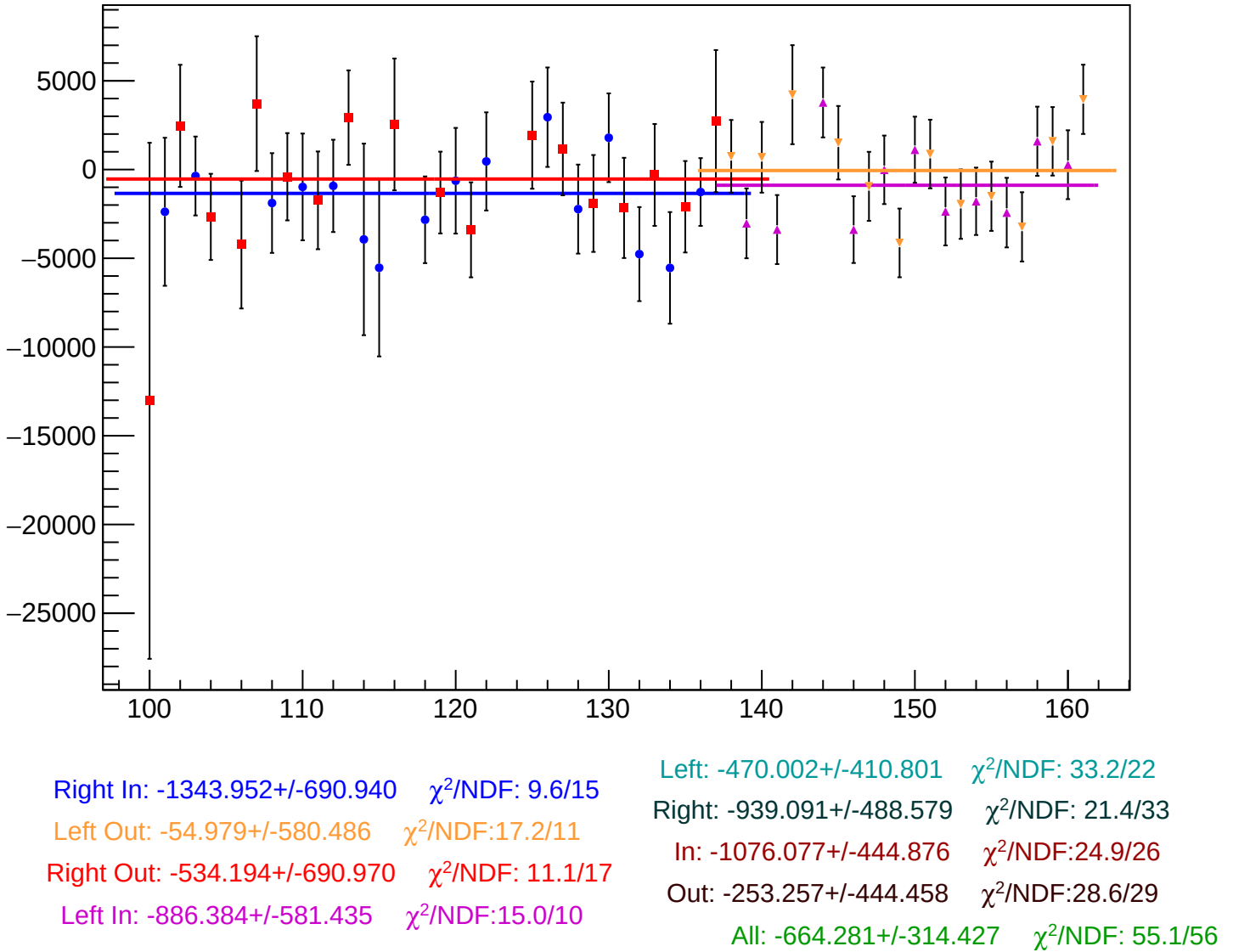
Left: 772.532+/-0.126 χ^2/NDF: 408095.0/22

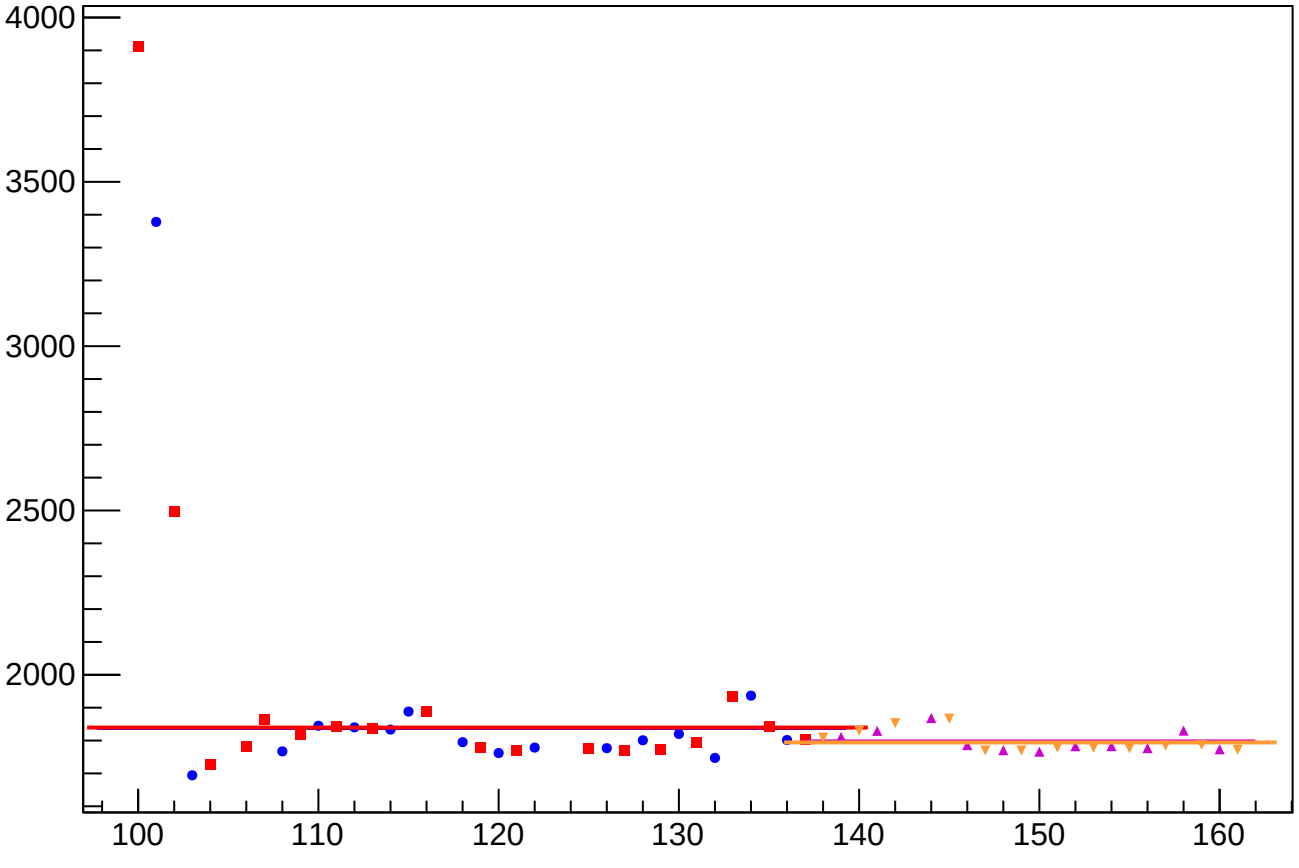
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 856.962+/-0.155 χ^2/NDF:2862653.5/26

Out: 814.832+/-0.150 χ^2/NDF:3554151.4/29

All: 835.166+/-0.108 χ^2/NDF: 6454940.4/56


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -54.979+/-580.486 χ²/NDF:17.2/11
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -886.384+/-581.435 χ²/NDF:15.0/10
Left: -470.002+/-410.801 χ²/NDF: 33.2/22
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1076.077+/-444.876 χ²/NDF:24.9/26
Out: -253.257+/-444.458 χ²/NDF:28.6/29
All: -664.281+/-314.427 χ²/NDF: 55.1/56



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1794.262+/-0.410 χ^2/NDF:5516.2/11

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

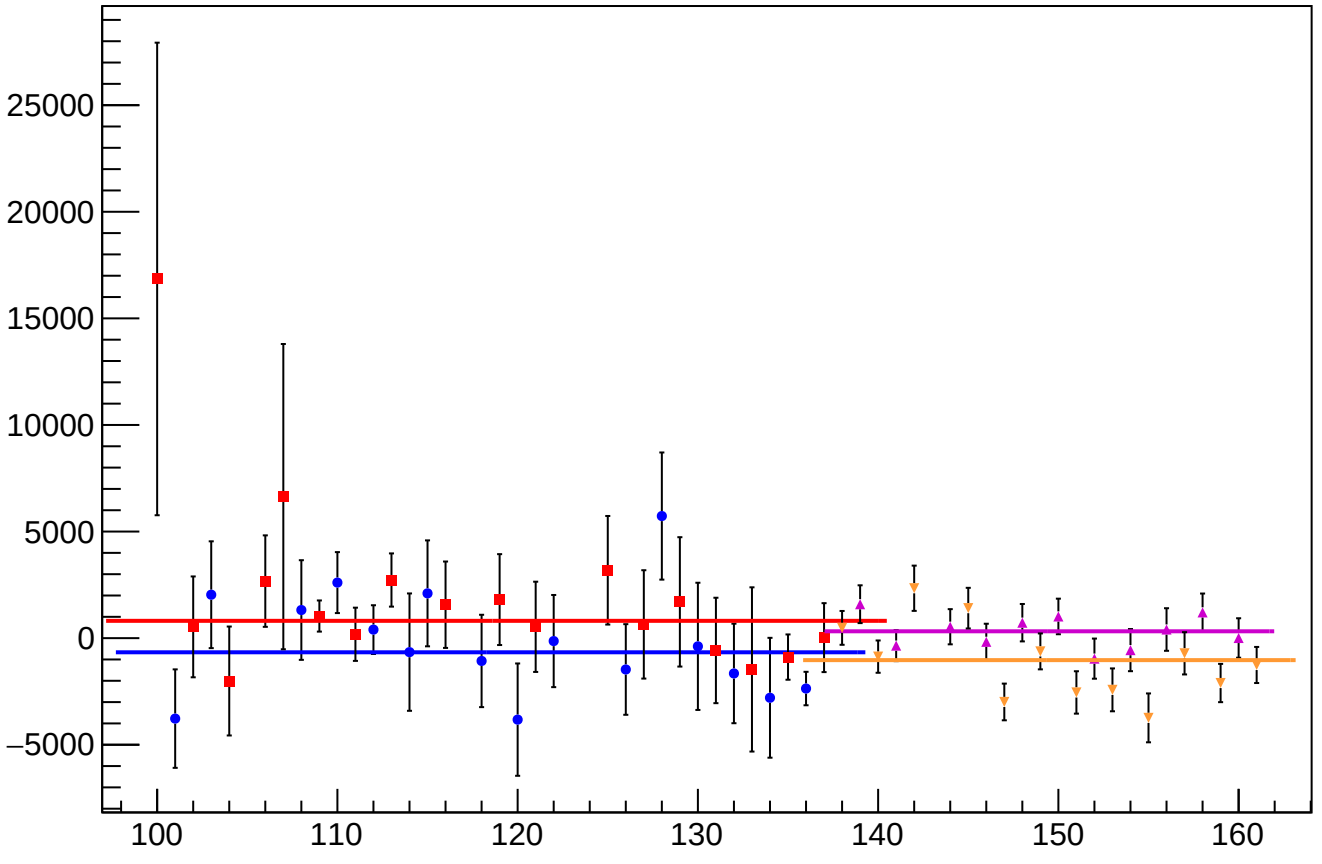
Left: 1795.859+/-0.290 χ^2/NDF: 11125.9/22

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1814.333+/-0.315 χ^2/NDF:301625.7/26

Out: 1812.987+/-0.314 χ^2/NDF:138799.2/29

All: 1813.660+/-0.222 χ^2/NDF: 440434.0/56



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1031.159+/-262.661 χ^2/NDF:37.2/11

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 321.479+/-263.922 χ^2/NDF:8.0/10

Left: -358.077+/-186.174 χ^2/NDF: 58.4/22

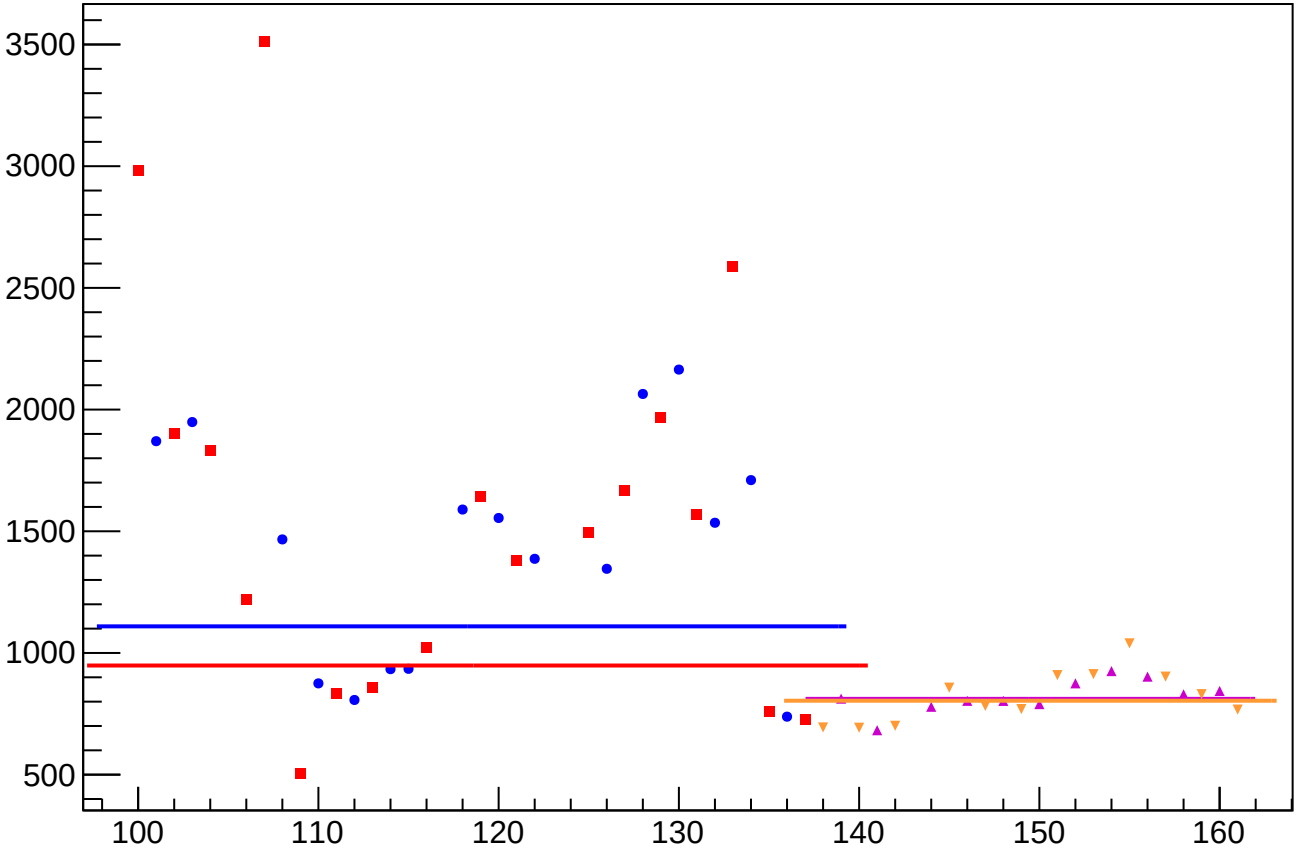
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 65.942+/-227.120 χ^2/NDF:34.4/26

Out: -470.298+/-219.088 χ^2/NDF:64.4/29

All: -211.828+/-157.682 χ^2/NDF: 101.7/56

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: 803.830+/-0.186 χ^2/NDF:266850.4/11

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 811.441+/-0.187 χ^2/NDF:123387.6/10

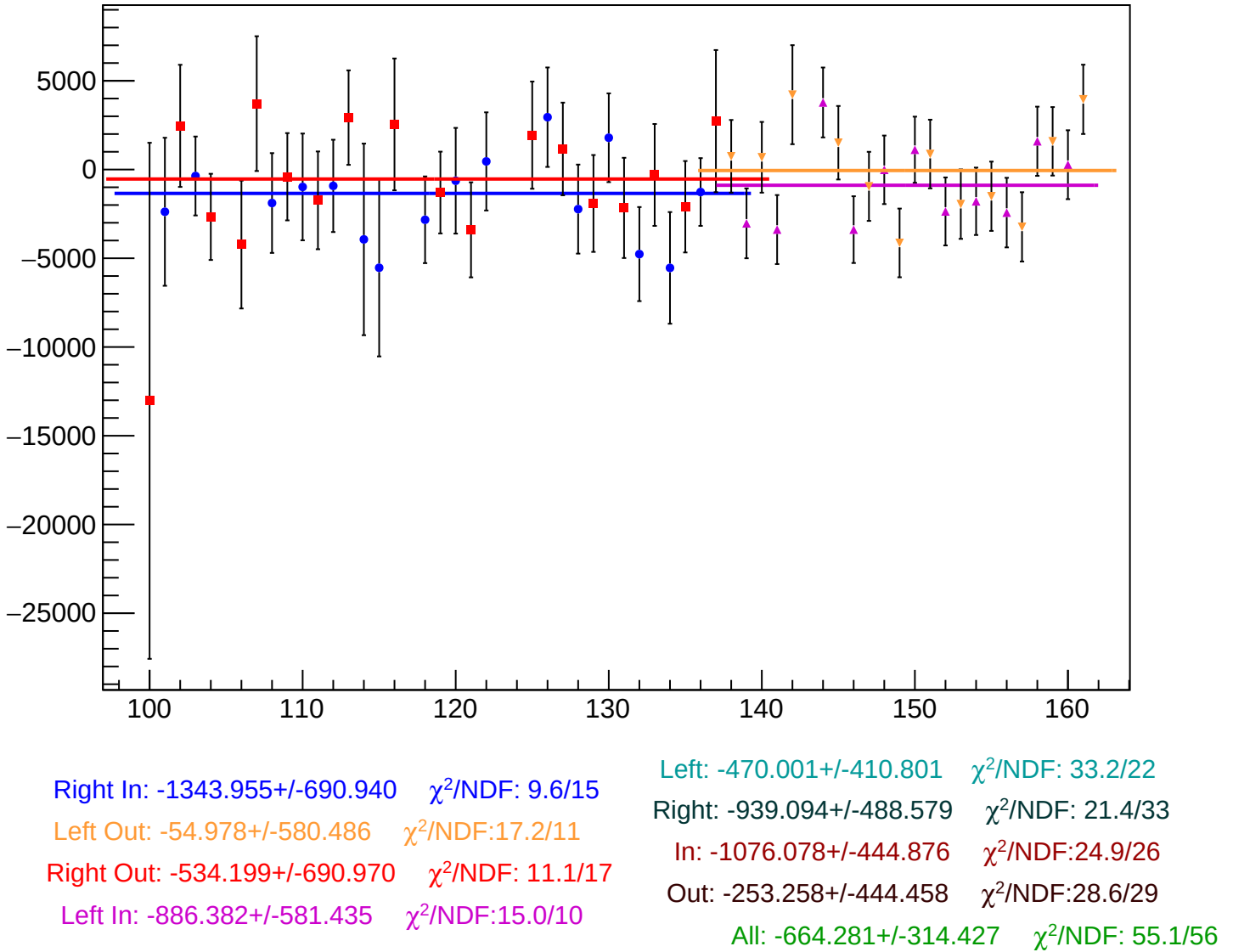
Left: 807.617+/-0.132 χ^2/NDF: 391073.7/22

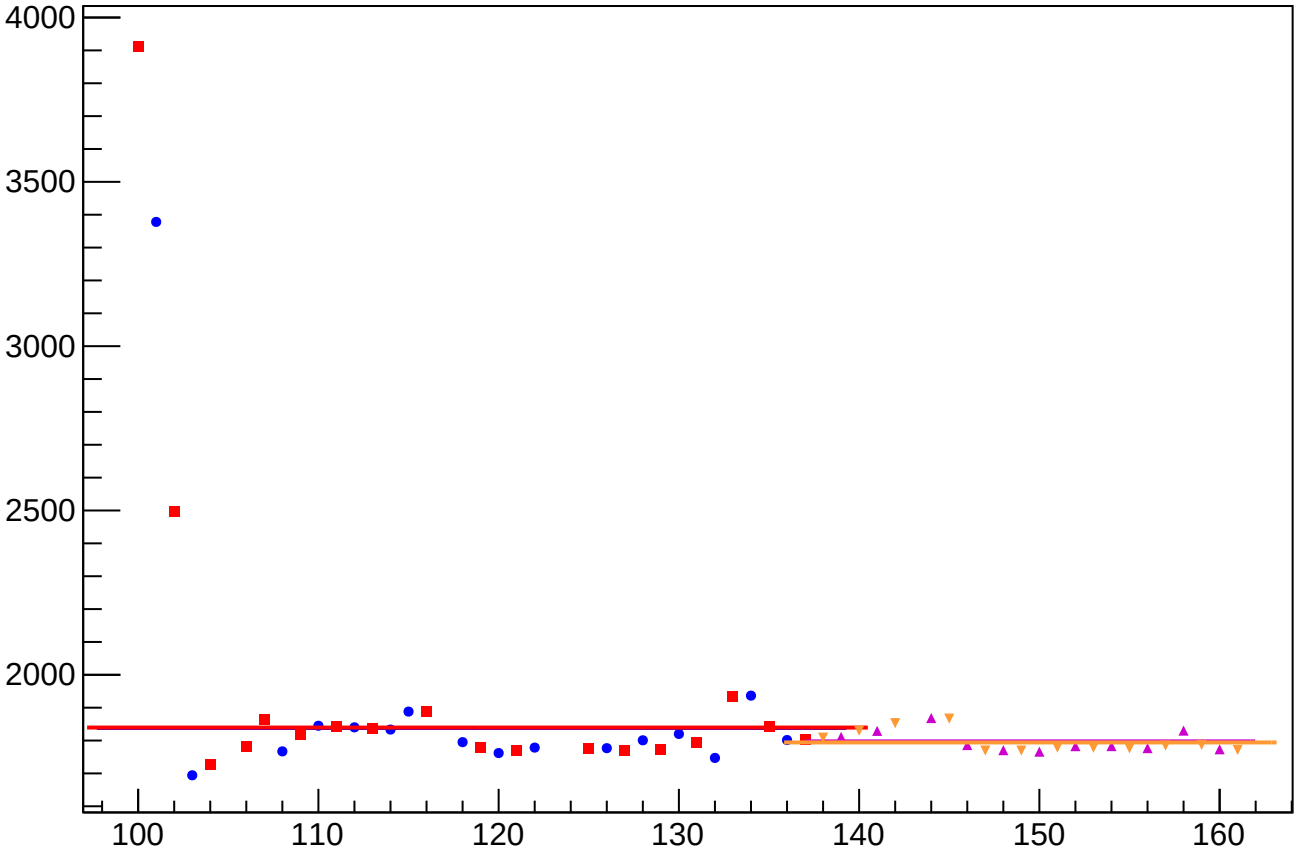
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 888.732+/-0.161 χ^2/NDF:2757919.9/26

Out: 847.829+/-0.155 χ^2/NDF:3504968.7/29

All: 867.544+/-0.111 χ^2/NDF: 6296491.3/56


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -54.978+/-580.486 χ²/NDF:17.2/11
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -886.382+/-581.435 χ²/NDF:15.0/10
Left: -470.001+/-410.801 χ²/NDF: 33.2/22
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1076.078+/-444.876 χ²/NDF:24.9/26
Out: -253.258+/-444.458 χ²/NDF:28.6/29
All: -664.281+/-314.427 χ²/NDF: 55.1/56



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1794.262+/-0.410 χ^2/NDF:5516.2/11

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

Left: 1795.859+/-0.290 χ^2/NDF: 11125.9/22

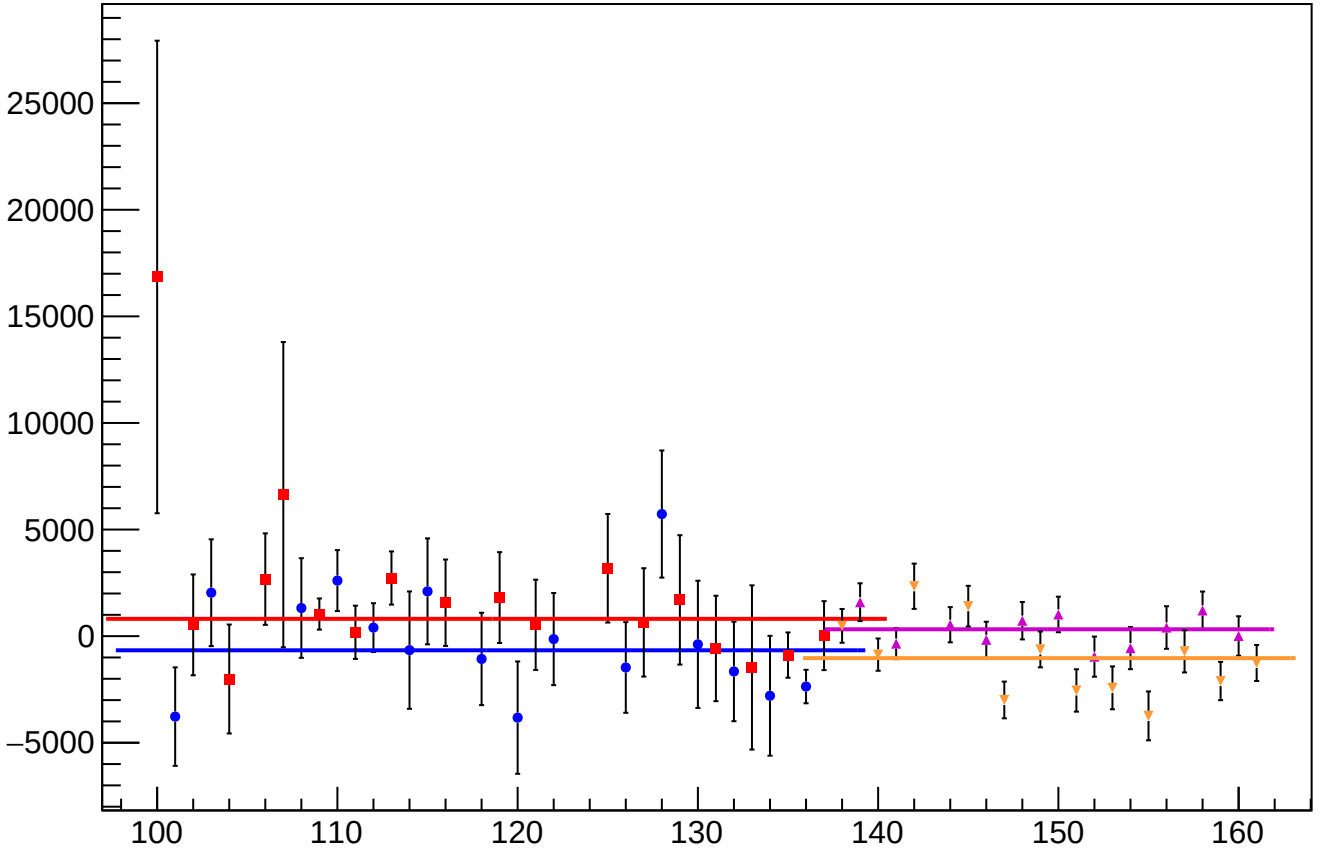
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1814.333+/-0.315 χ^2/NDF:301625.6/26

Out: 1812.987+/-0.314 χ^2/NDF:138799.3/29

All: 1813.660+/-0.222 χ^2/NDF: 440434.1/56

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1031.167+/-262.662 χ^2/NDF:37.2/11

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 321.476+/-263.922 χ^2/NDF:8.0/10

Left: -358.082+/-186.174 χ^2/NDF: 58.4/22

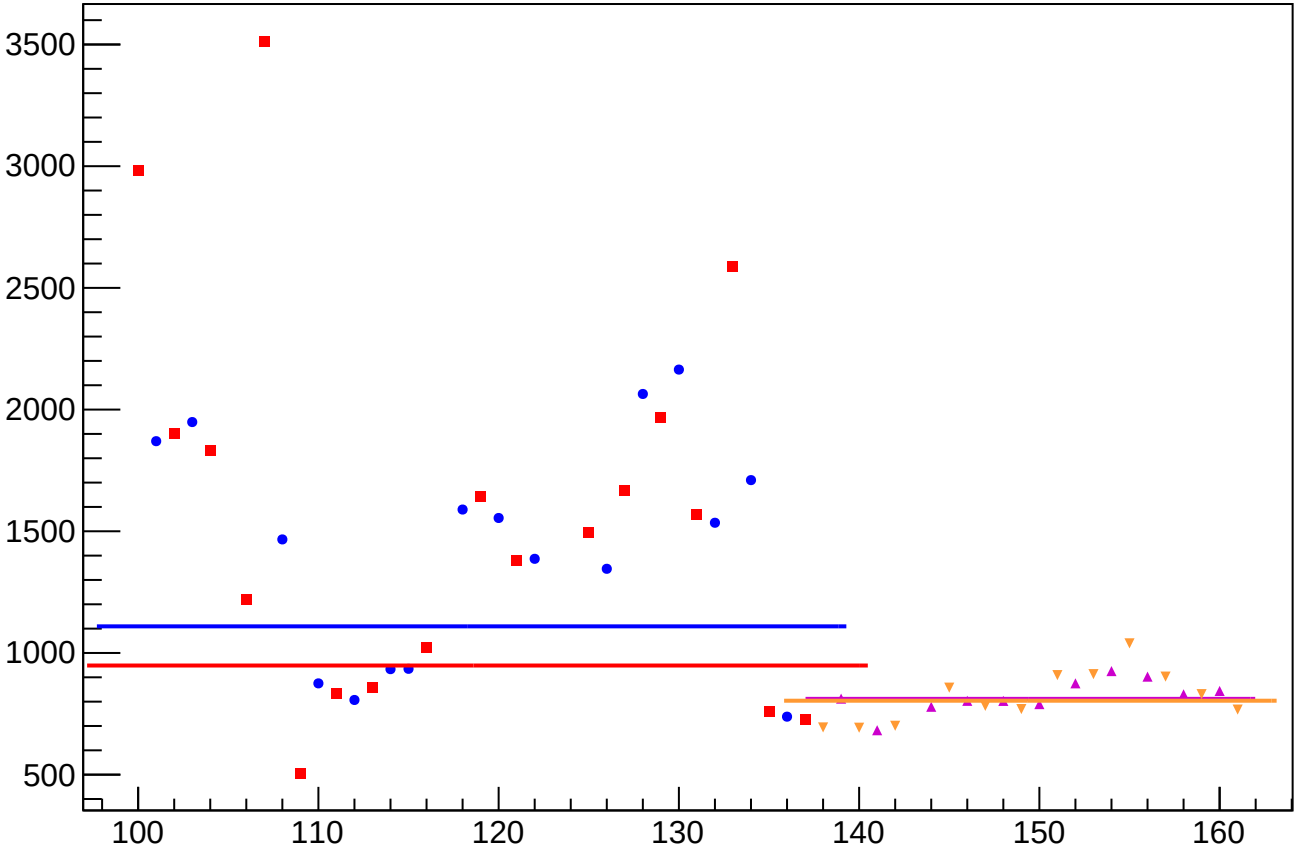
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 65.943+/-227.121 χ^2/NDF:34.4/26

Out: -470.300+/-219.089 χ^2/NDF:64.4/29

All: -211.828+/-157.682 χ^2/NDF: 101.7/56

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: 803.832+/-0.186 χ^2/NDF:266835.3/11

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 811.443+/-0.187 χ^2/NDF:123386.8/10

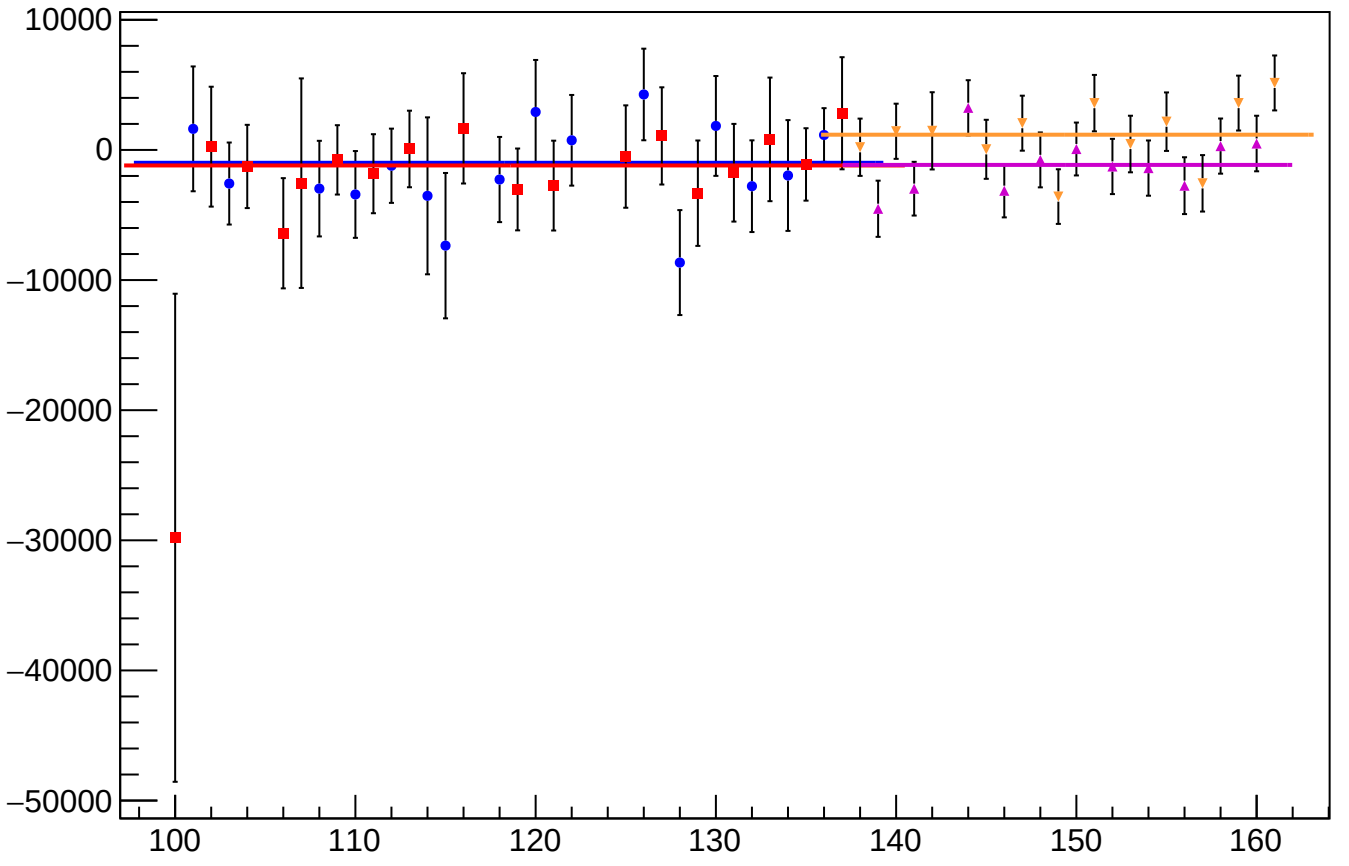
Left: 807.619+/-0.132 χ^2/NDF: 391057.7/22

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 888.735+/-0.161 χ^2/NDF:2757882.8/26

Out: 847.831+/-0.155 χ^2/NDF:3504926.1/29

All: 867.547+/-0.111 χ^2/NDF: 6296410.6/56



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1171.352+/-636.094 χ^2/NDF:15.2/11

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1150.548+/-636.027 χ^2/NDF:10.4/10

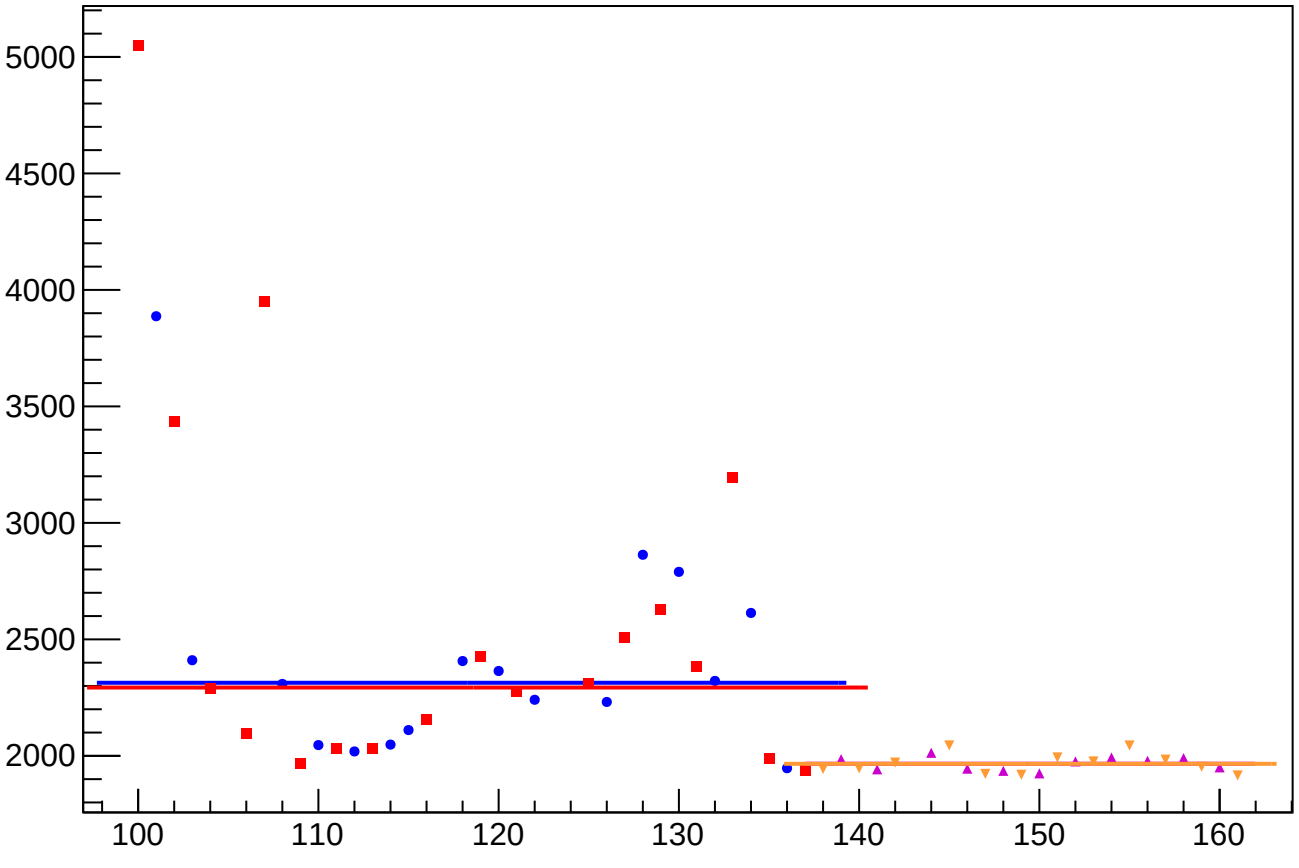
Left: 10.280+/-449.762 χ^2/NDF: 32.3/22

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1094.094+/-514.236 χ^2/NDF:22.4/26

Out: 348.549+/-513.574 χ^2/NDF:26.9/29

All: -371.844+/-363.385 χ^2/NDF: 53.3/56



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1965.870+/-0.450 χ^2/NDF:8765.7/11

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1966.179+/-0.450 χ^2/NDF:3670.4/10

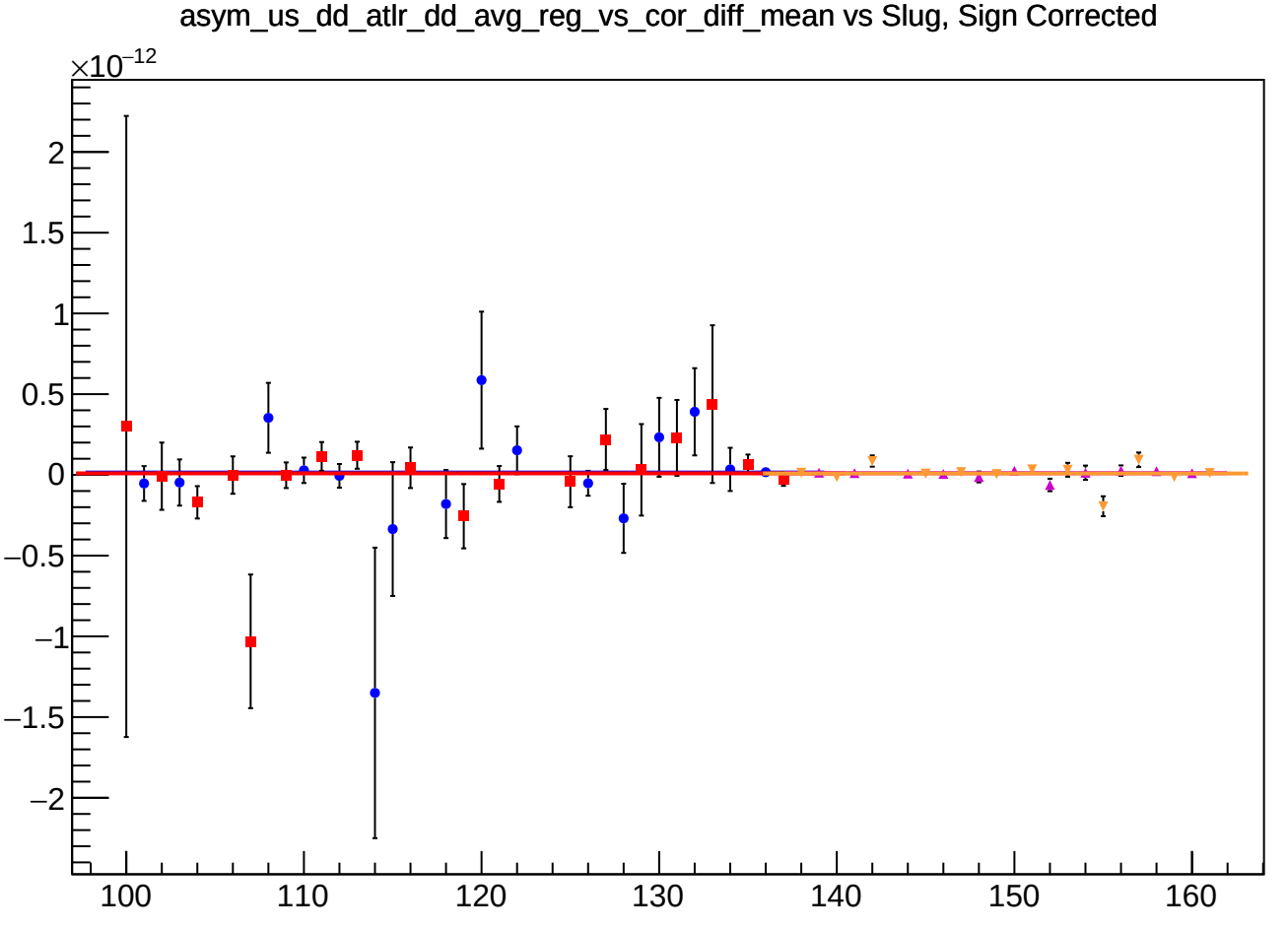
Left: 1966.024+/-0.318 χ^2/NDF: 12436.3/22

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2086.542+/-0.364 χ^2/NDF:613253.1/26

Out: 2079.849+/-0.363 χ^2/NDF:646425.3/29

All: 2083.191+/-0.257 χ^2/NDF: 1259848.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/10

Left: 0.000+/-0.000 χ^2/NDF: 28.1/22

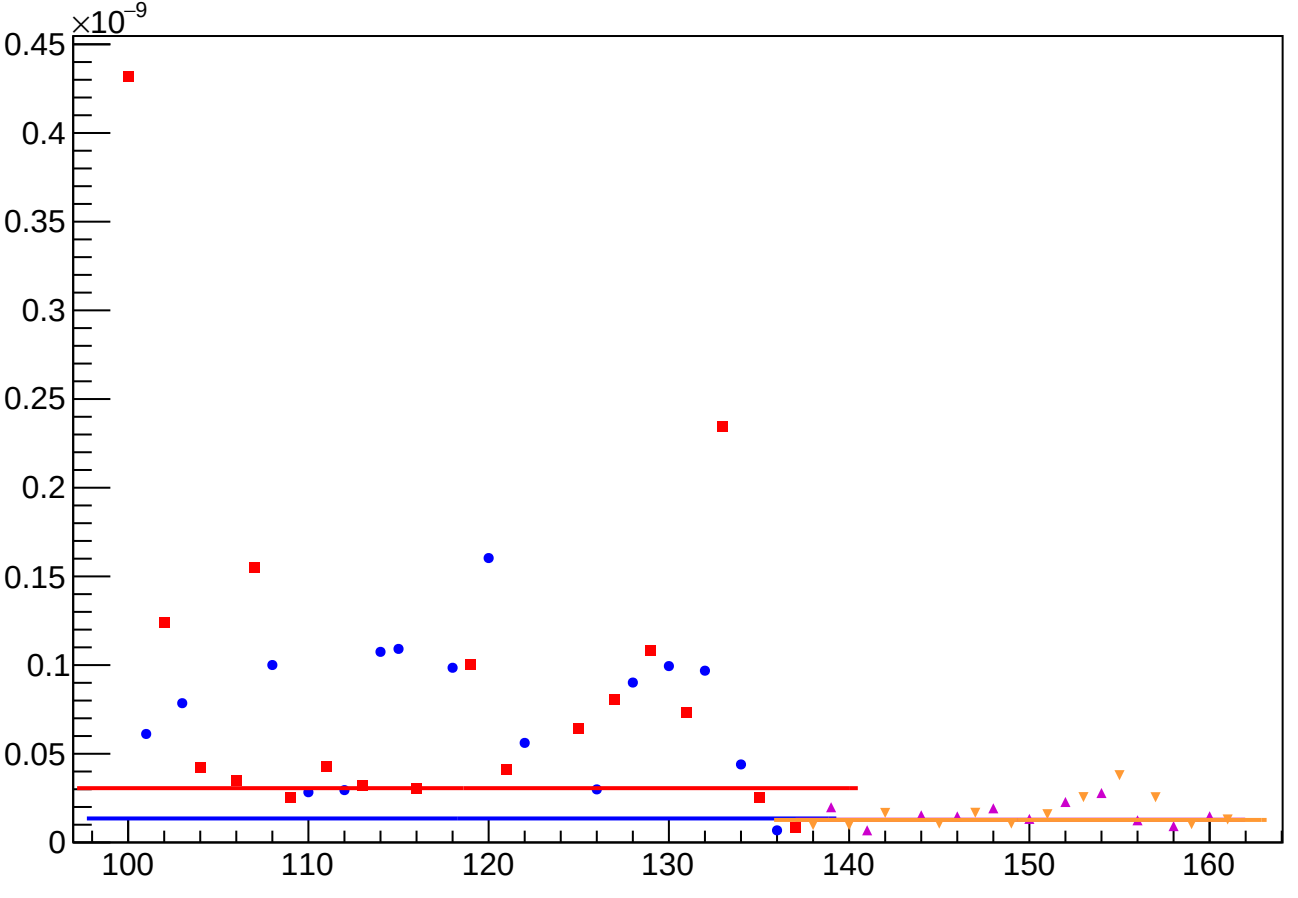
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.2/26

Out: 0.000+/-0.000 χ^2/NDF:42.4/29

All: 0.000+/-0.000 χ^2/NDF: 62.7/56

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:920383.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1008023.4/10

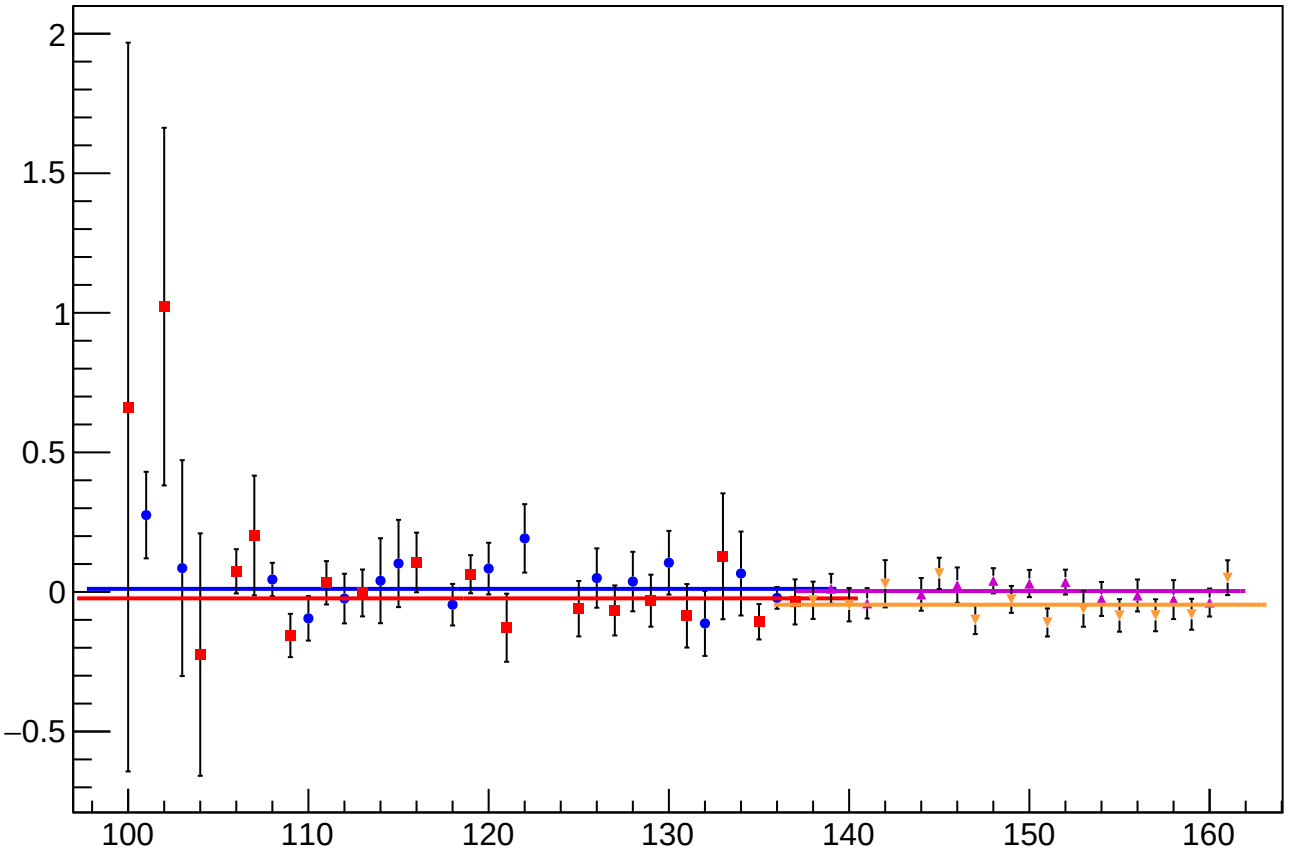
Left: 0.000+/-0.000 χ^2/NDF: 1928649.3/22

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4428173.3/26

Out: 0.000+/-0.000 χ^2/NDF:4280396.7/29

All: 0.000+/-0.000 χ^2/NDF: 8742637.3/56



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.020+/-0.012 χ^2/NDF: 19.3/22

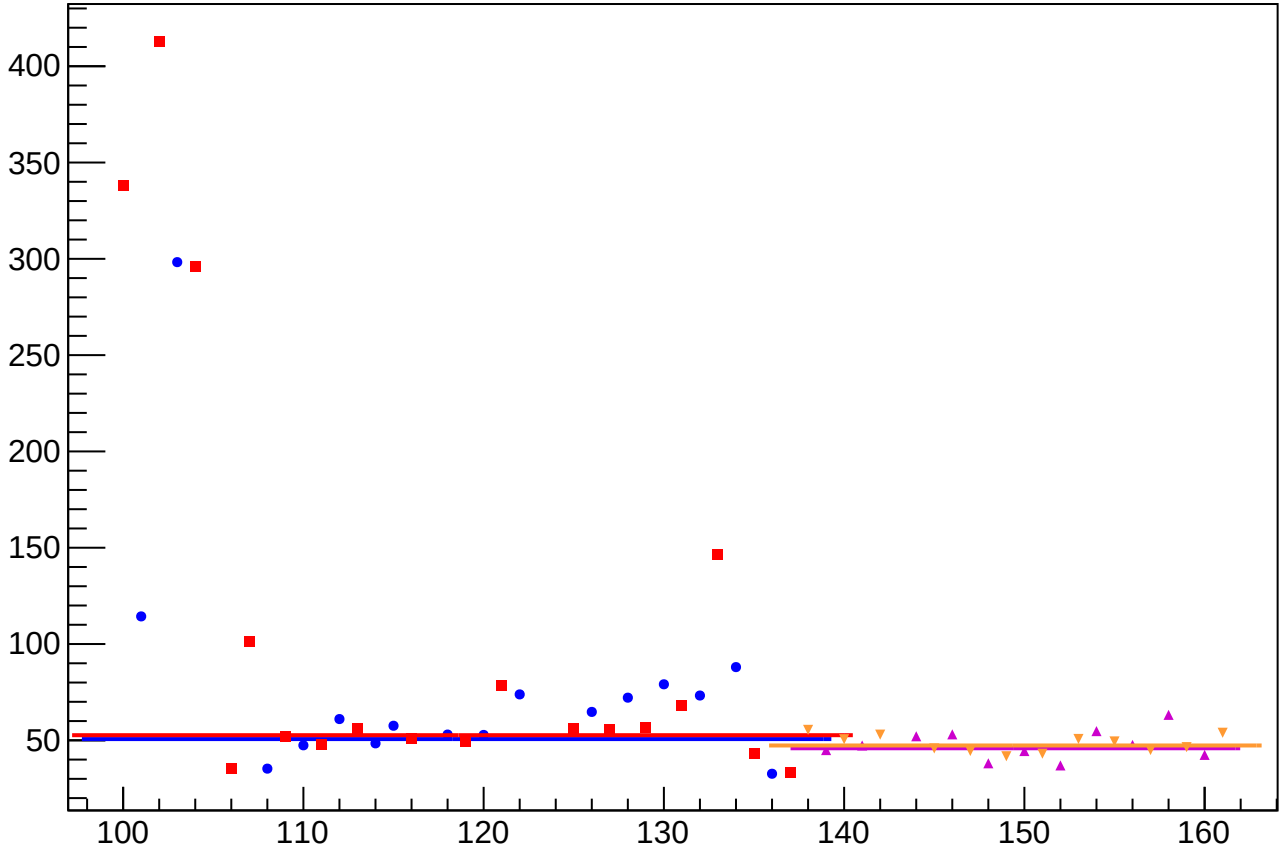
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.038+/-0.014 χ^2/NDF:28.0/29

All: -0.015+/-0.009 χ^2/NDF: 48.8/56

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: 47.324+/-0.012 χ^2/NDF:127699.1/11

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

Left: 46.577+/-0.008 χ^2/NDF: 504967.6/22

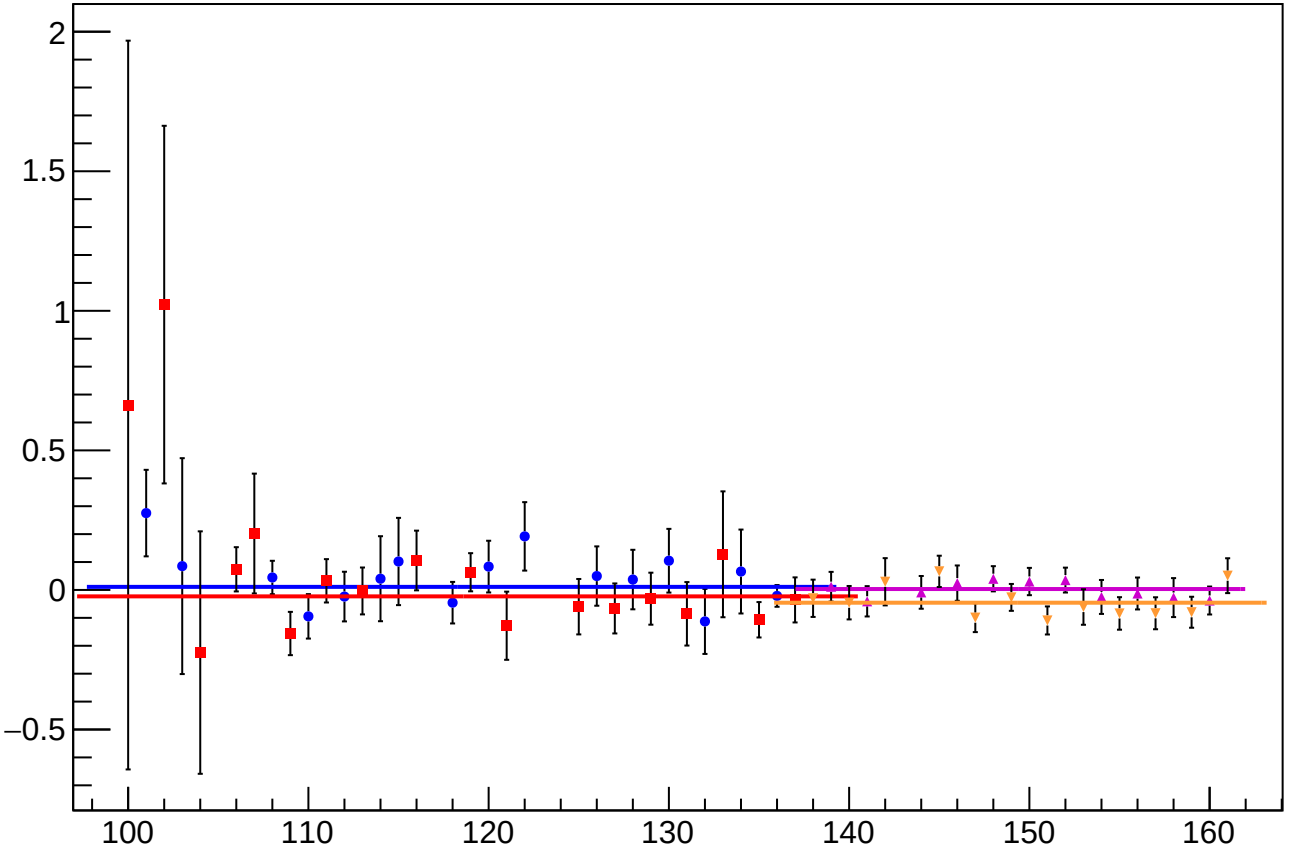
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.562+/-0.009 χ^2/NDF:2697430.1/26

Out: 49.156+/-0.010 χ^2/NDF:2409845.4/29

All: 48.327+/-0.007 χ^2/NDF: 5121707.6/56

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: -0.046+/-0.017 χ^2/NDF:11.4/11

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.020+/-0.012 χ^2/NDF: 19.3/22

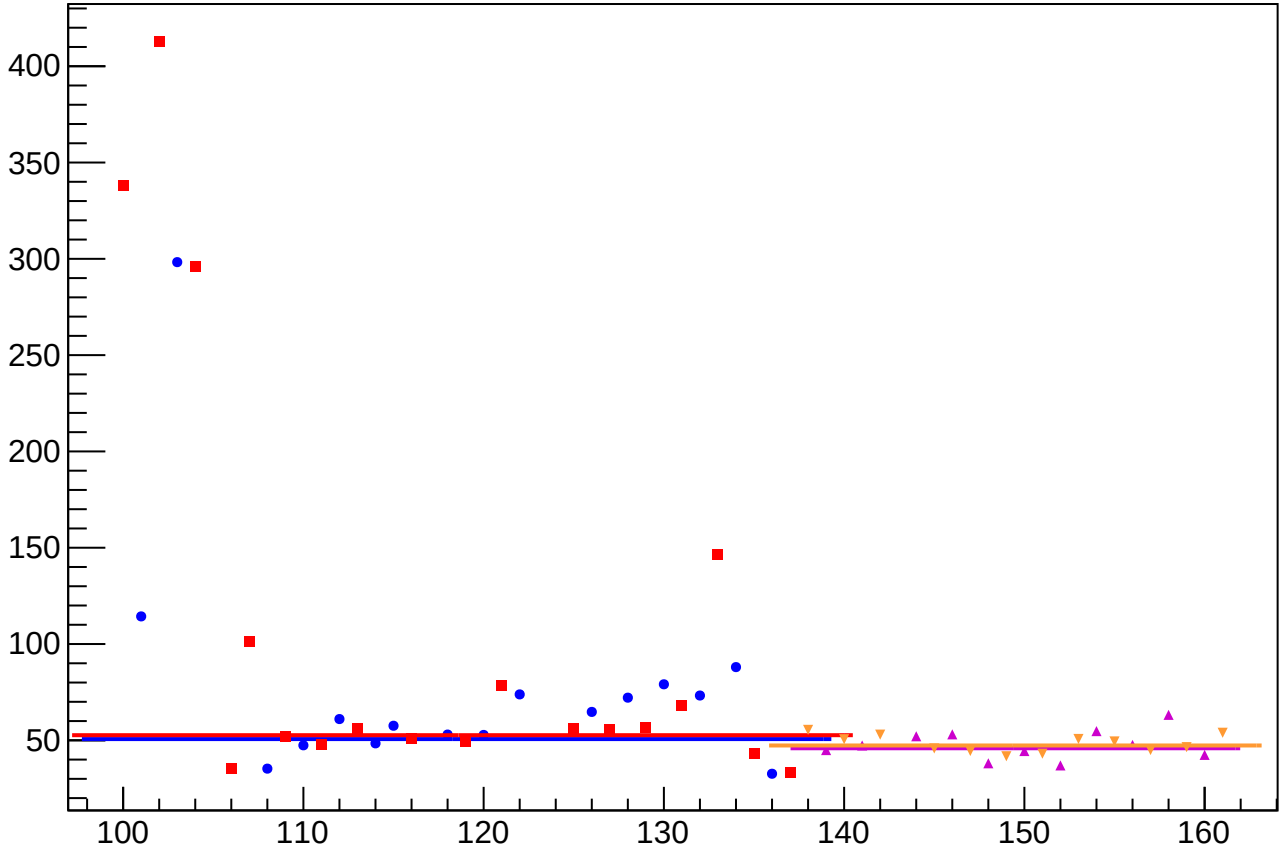
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.038+/-0.014 χ^2/NDF:28.0/29

All: -0.015+/-0.009 χ^2/NDF: 48.8/56

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: 47.324+/-0.012 χ^2/NDF:127699.1/11

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

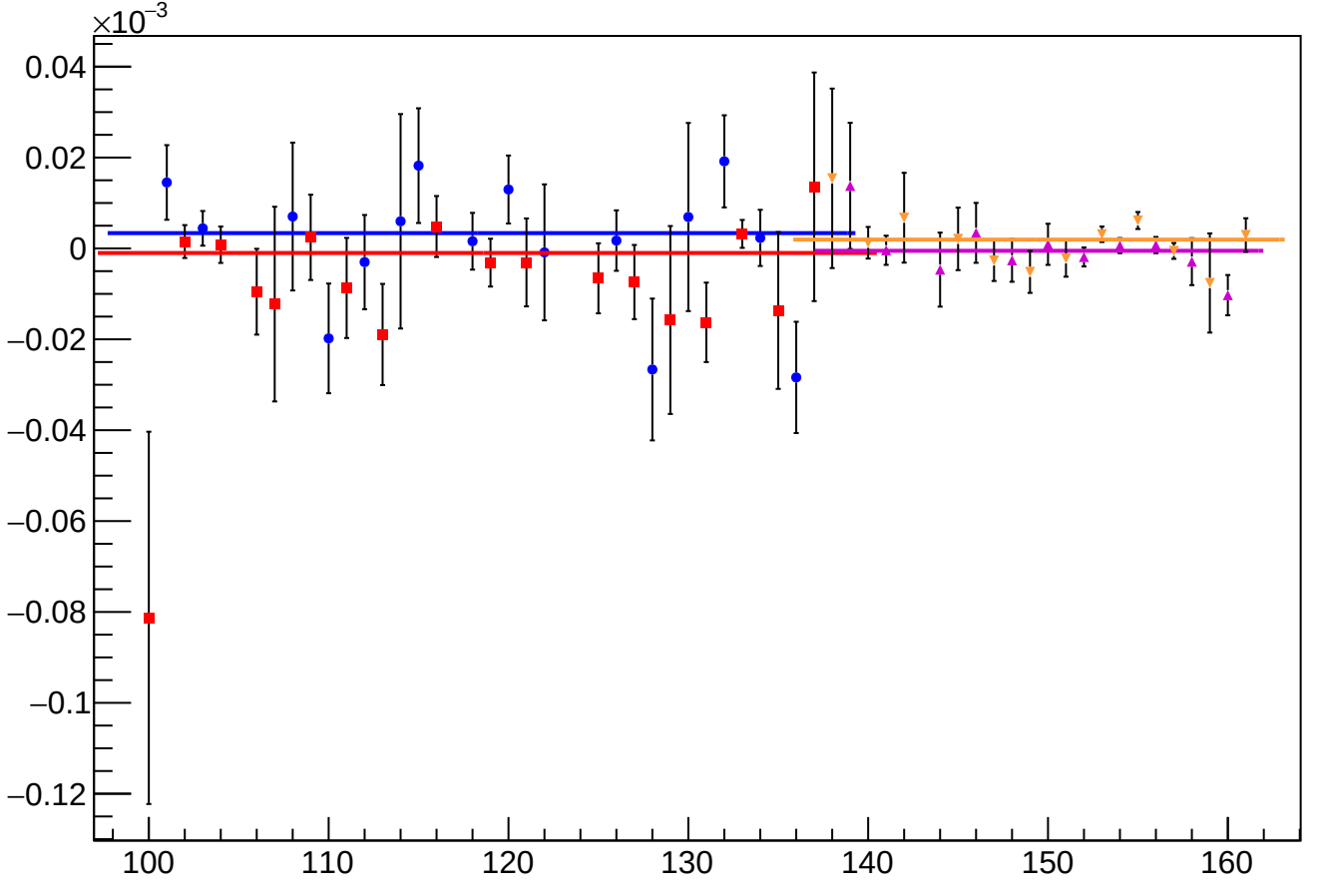
Left: 46.577+/-0.008 χ^2/NDF: 504967.6/22

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.562+/-0.009 χ^2/NDF:2697430.1/26

Out: 49.156+/-0.010 χ^2/NDF:2409845.4/29

All: 48.327+/-0.007 χ^2/NDF: 5121707.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

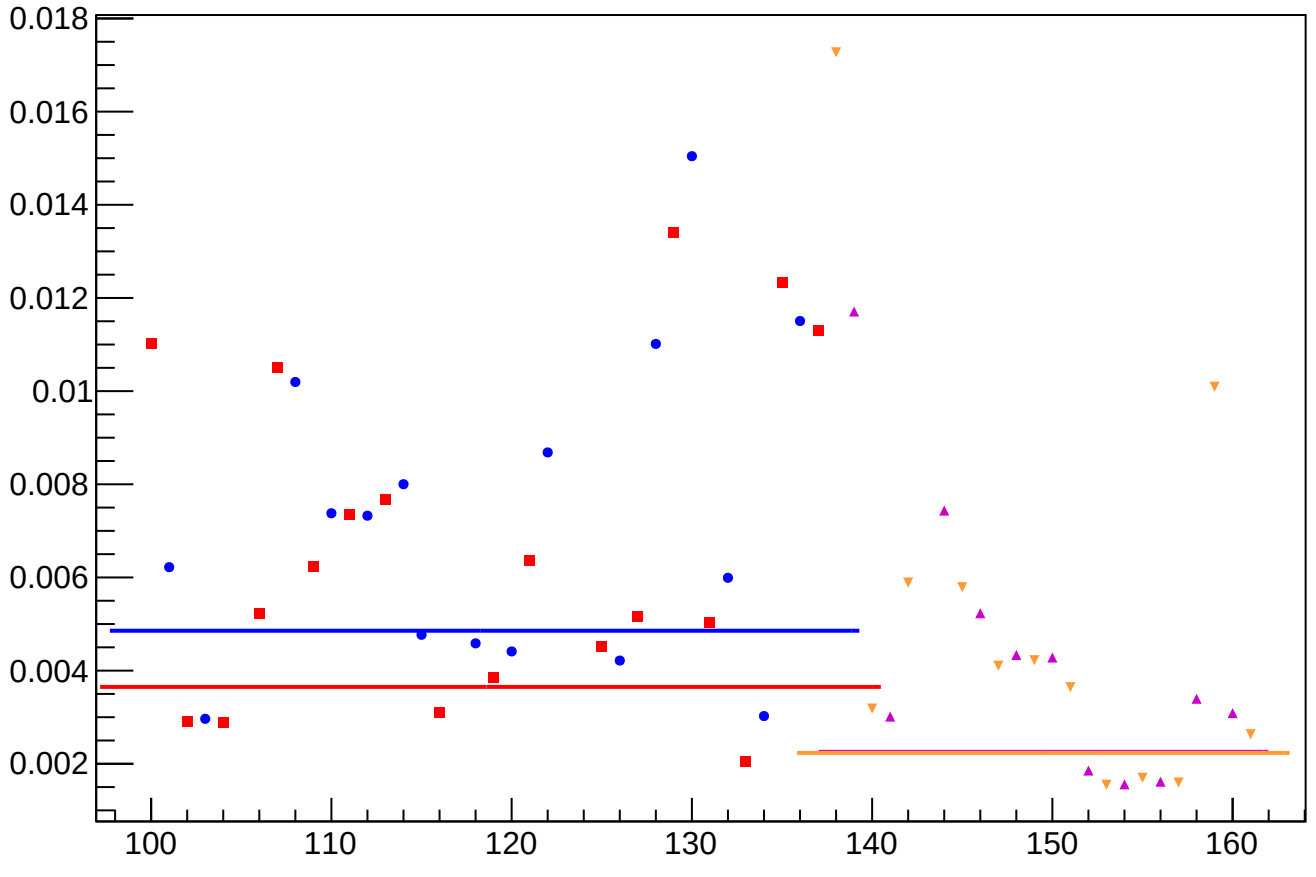
Left: 0.000+/-0.000 χ^2/NDF: 25.8/22

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:33.6/26

Out: 0.000+/-0.000 χ^2/NDF:33.5/29

All: 0.000+/-0.000 χ^2/NDF: 68.1/56



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4885867.5/11

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3891898.6/10

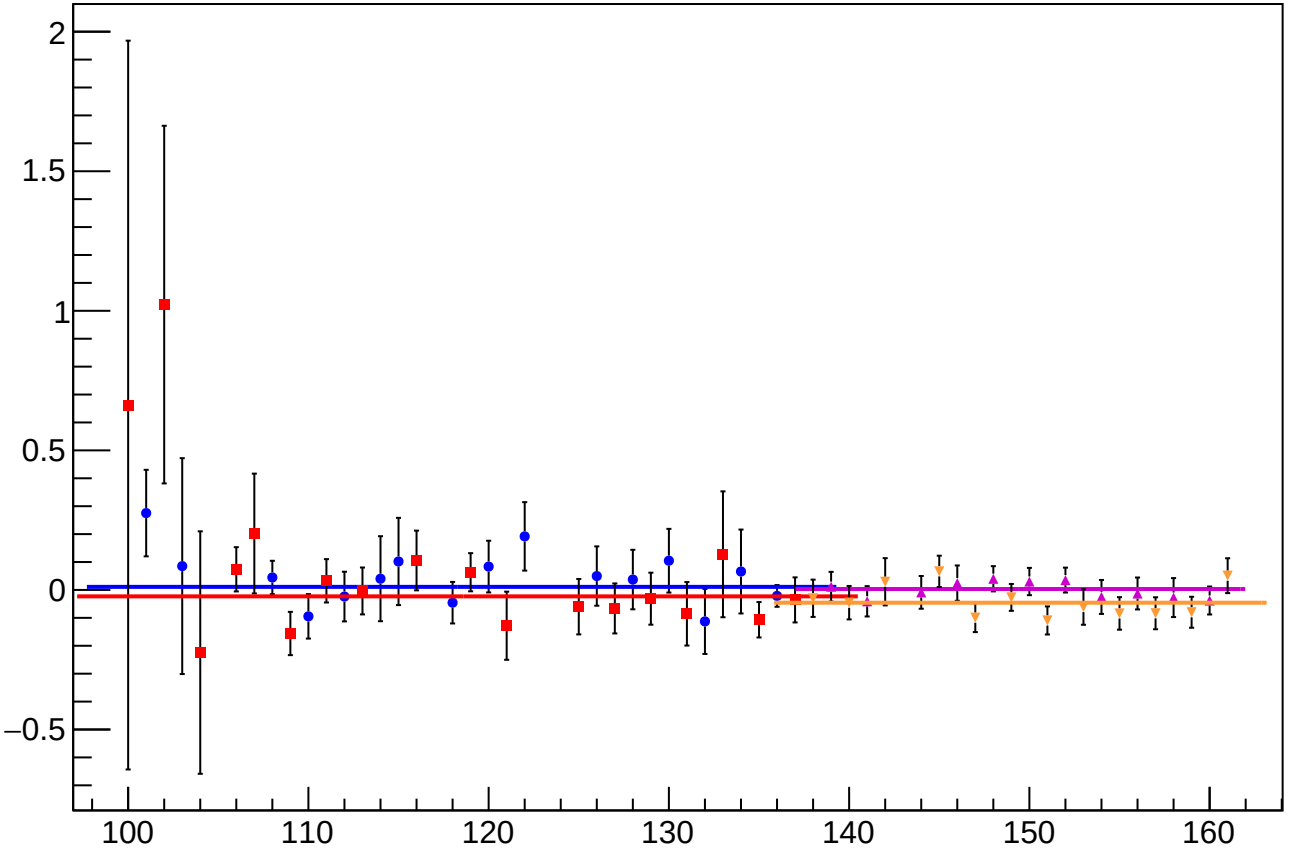
Left: 0.002+/-0.000 χ^2/NDF: 8778431.2/22

Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:9266321.3/26

Out: 0.003+/-0.000 χ^2/NDF:9242516.1/29

All: 0.003+/-0.000 χ^2/NDF: 18524438.0/56



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.020+/-0.012 χ^2/NDF: 19.3/22

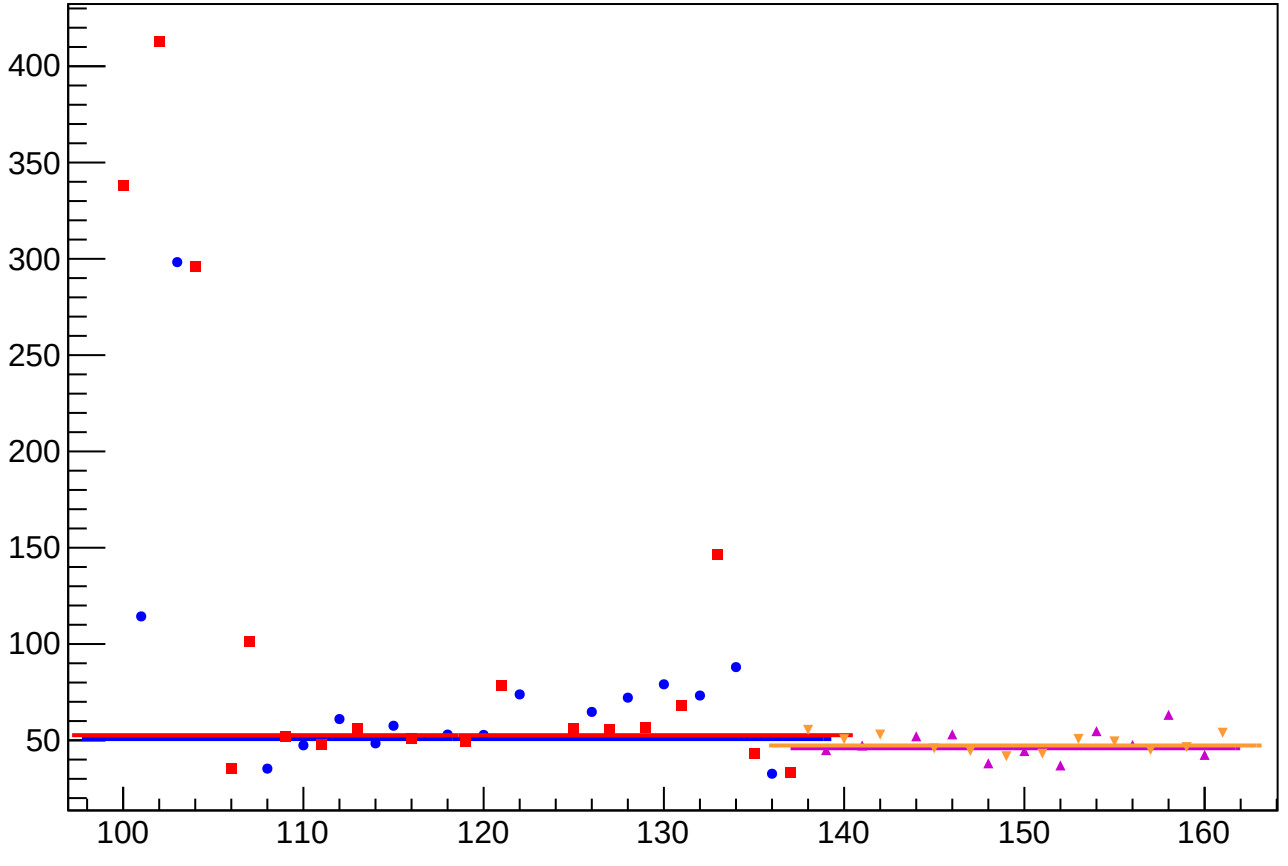
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.038+/-0.014 χ^2/NDF:28.0/29

All: -0.015+/-0.009 χ^2/NDF: 48.8/56

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: 47.324+/-0.012 χ^2/NDF:127695.0/11

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.877+/-0.011 χ^2/NDF:369495.7/10

Left: 46.577+/-0.008 χ^2/NDF: 504939.0/22

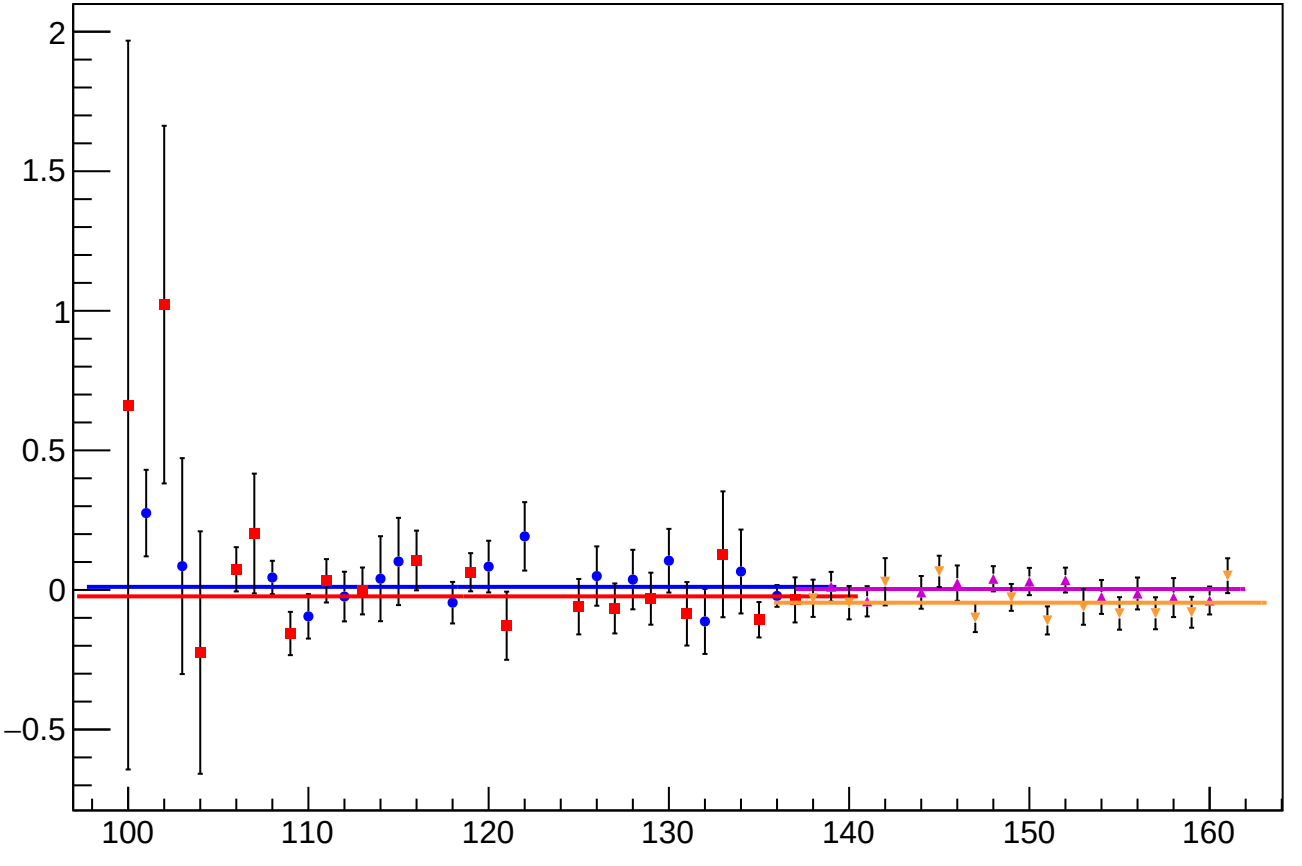
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.562+/-0.009 χ^2/NDF:2697308.5/26

Out: 49.156+/-0.010 χ^2/NDF:2409746.1/29

All: 48.327+/-0.007 χ^2/NDF: 5121479.0/56

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: -0.046+/-0.017 χ^2/NDF:11.4/11

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.003+/-0.016 χ^2/NDF:3.5/10

Left: -0.020+/-0.012 χ^2/NDF: 19.3/22

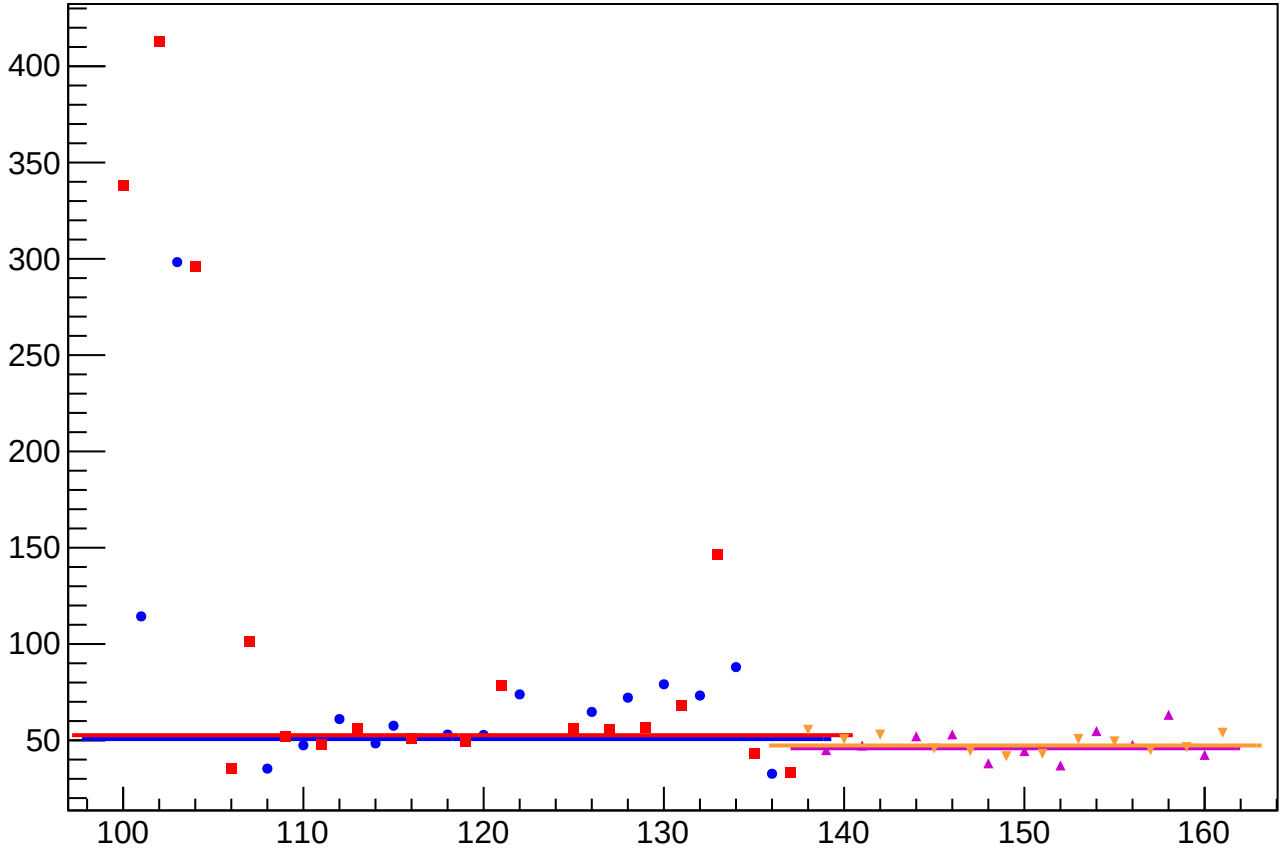
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.006+/-0.013 χ^2/NDF:15.3/26

Out: -0.038+/-0.014 χ^2/NDF:28.0/29

All: -0.015+/-0.009 χ^2/NDF: 48.8/56

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: 47.324+/-0.012 χ^2/NDF:127695.0/11

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.877+/-0.011 χ^2/NDF:369495.7/10

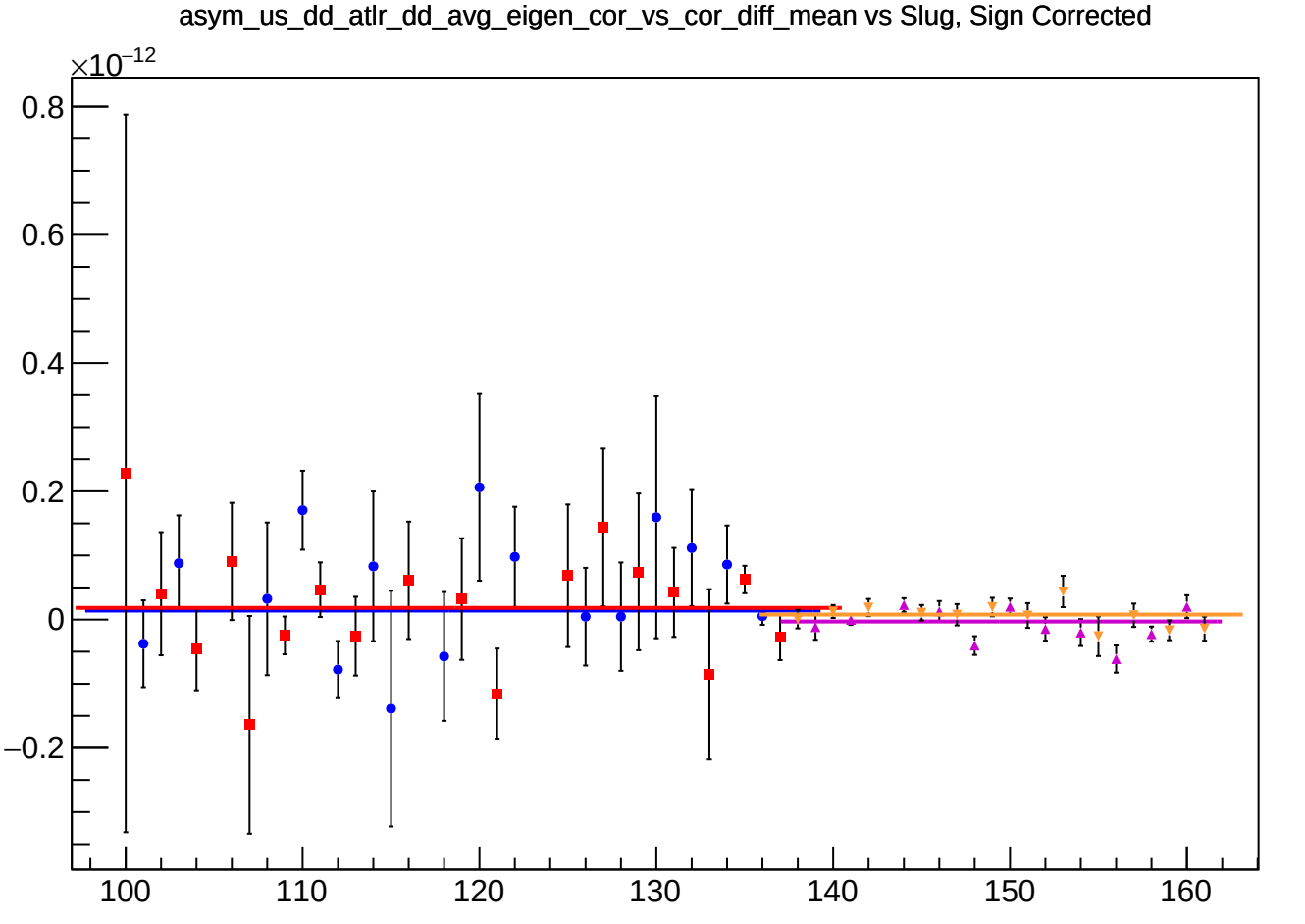
Left: 46.577+/-0.008 χ^2/NDF: 504939.0/22

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.562+/-0.009 χ^2/NDF:2697308.5/26

Out: 49.156+/-0.010 χ^2/NDF:2409746.1/29

All: 48.327+/-0.007 χ^2/NDF: 5121479.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:30.2/10

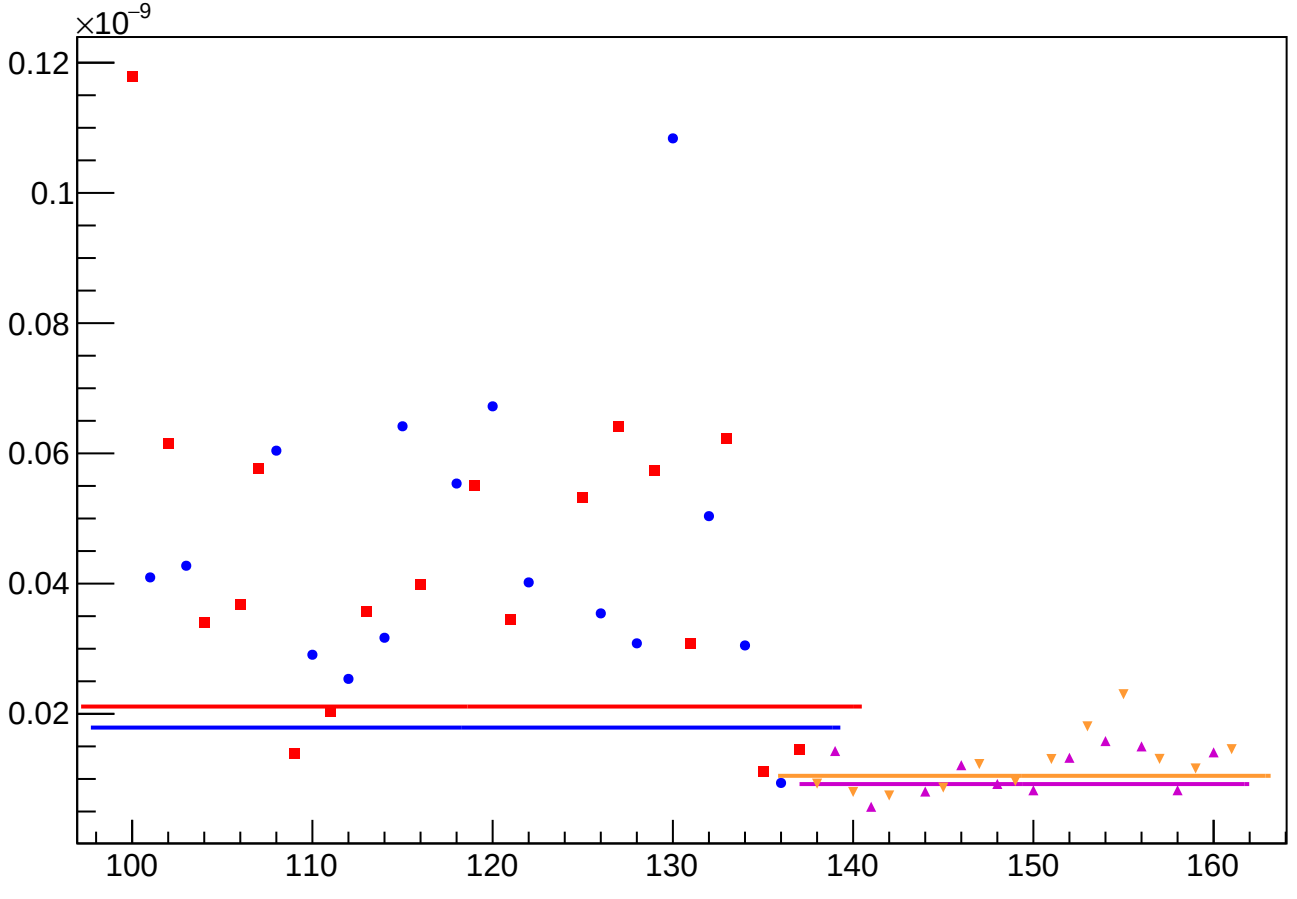
Left: 0.000+/-0.000 χ^2/NDF: 42.5/22

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:52.5/26

Out: 0.000+/-0.000 χ^2/NDF:27.7/29

All: 0.000+/-0.000 χ^2/NDF: 83.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015925.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1233615.5/10

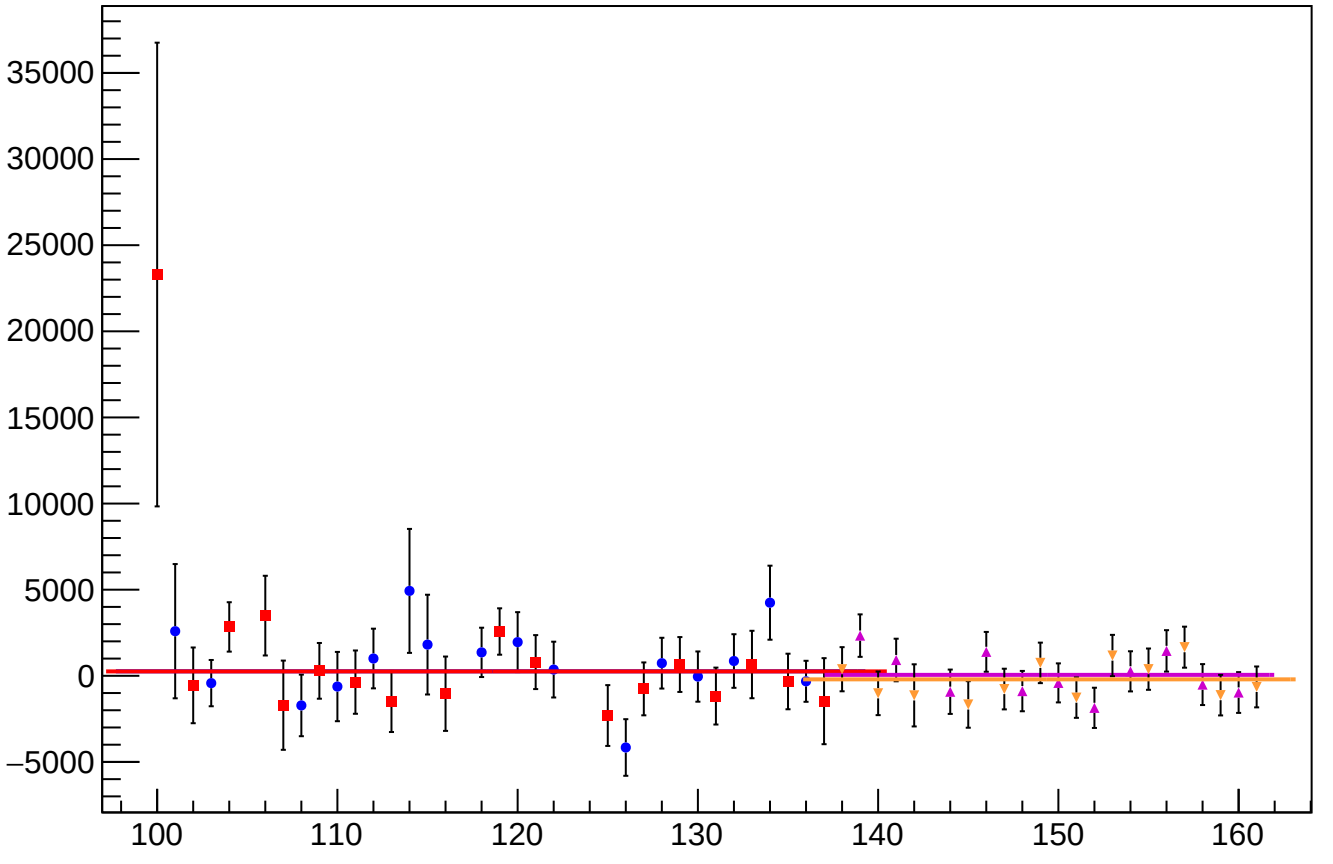
Left: 0.000+/-0.000 χ^2/NDF: 2338317.3/22

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5671777.2/26

Out: 0.000+/-0.000 χ^2/NDF:4918413.4/29

All: 0.000+/-0.000 χ^2/NDF: 10721472.7/56



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -206.191+/-358.502 χ^2/NDF:8.5/11

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 54.389+/-359.117 χ^2/NDF:11.7/10

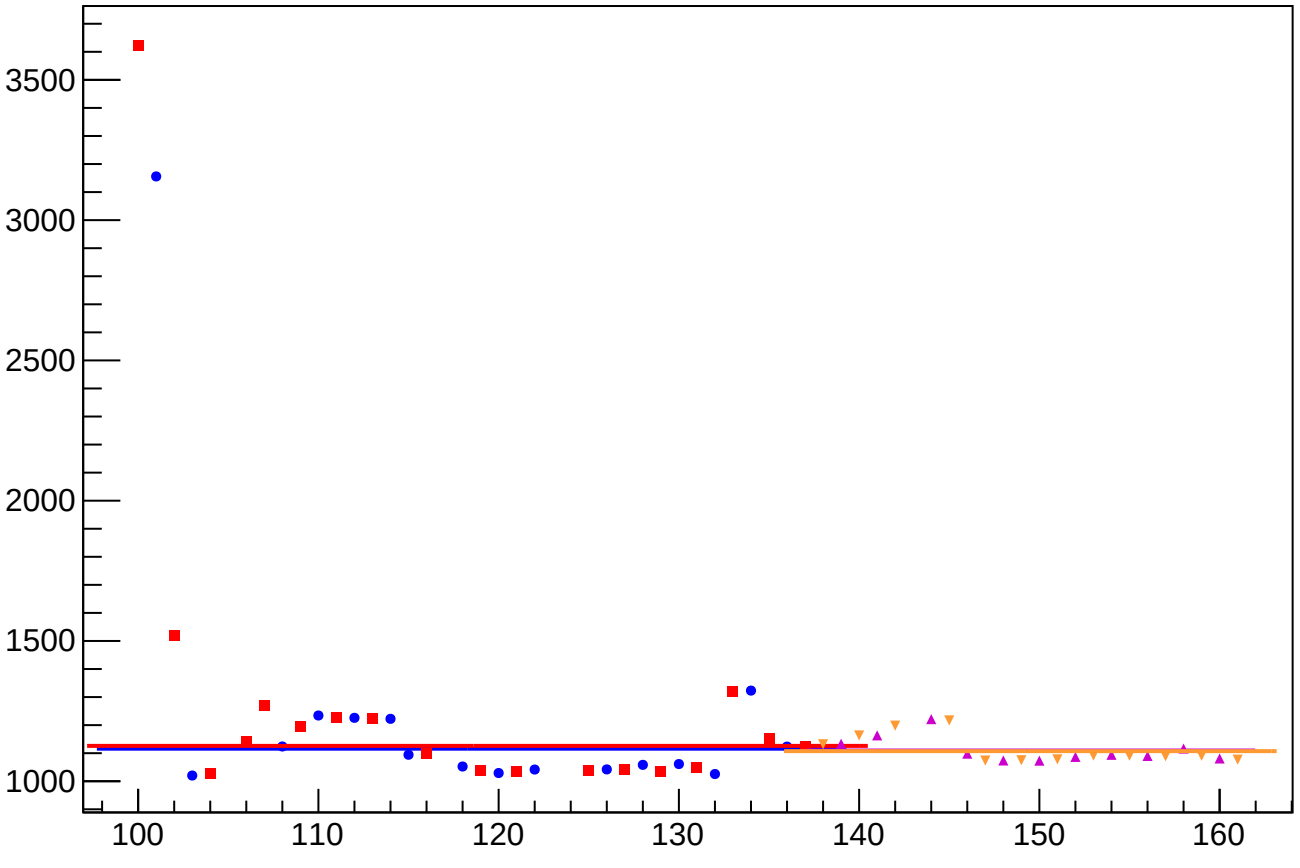
Left: -76.125+/-253.716 χ^2/NDF: 20.5/22

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 140.453+/-274.211 χ^2/NDF:28.7/26

Out: -14.484+/-274.239 χ^2/NDF:26.6/29

All: 62.992+/-193.906 χ^2/NDF: 55.5/56



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1107.335+/-0.253 χ^2/NDF:30108.5/11

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

Left: 1108.421+/-0.179 χ^2/NDF: 56699.3/22

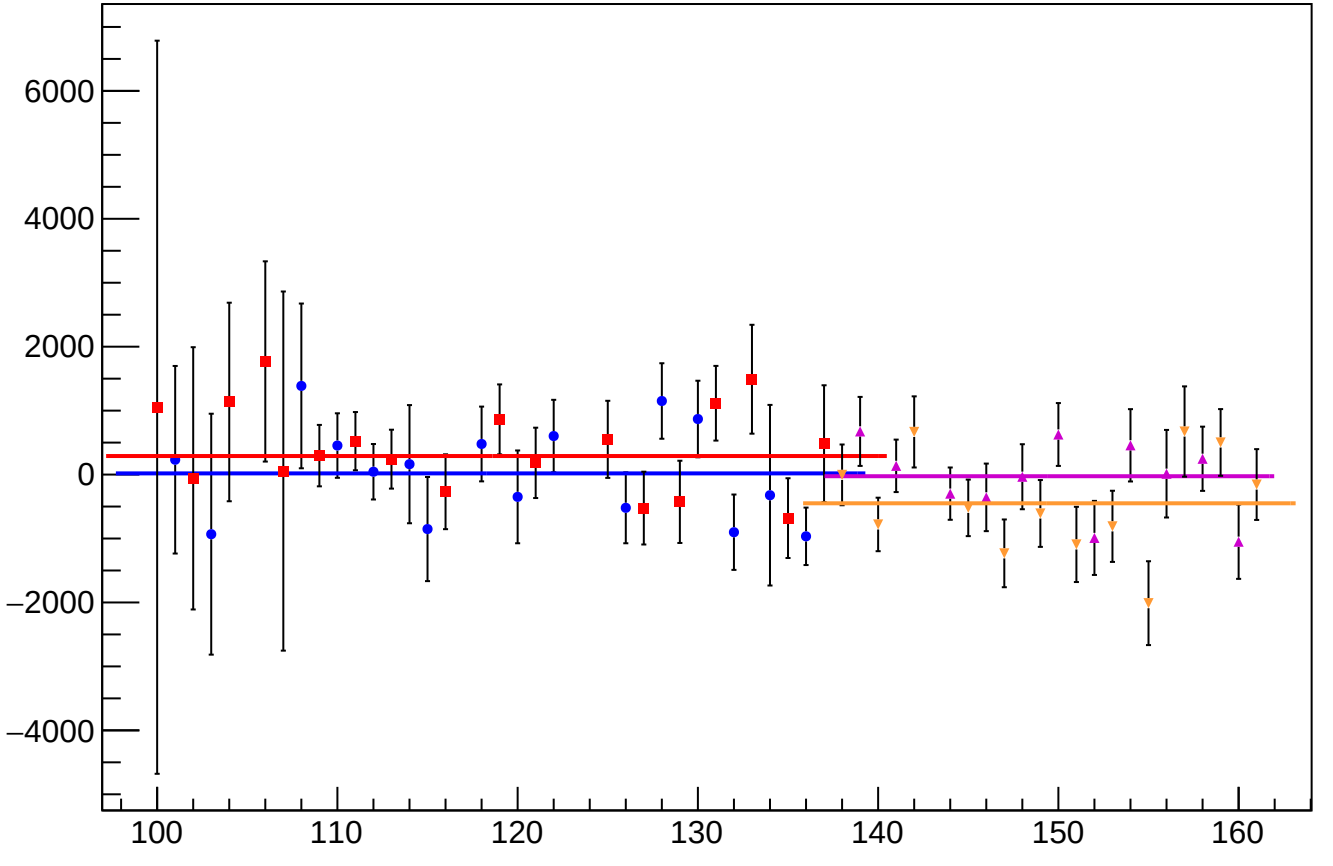
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1112.253+/-0.194 χ^2/NDF:650224.9/26

Out: 1115.085+/-0.194 χ^2/NDF:254467.1/29

All: 1113.669+/-0.137 χ^2/NDF: 904798.6/56

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: -449.157+/-152.312 χ^2/NDF:21.2/11

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -25.774+/-154.087 χ^2/NDF:11.3/10

Left: -239.918+/-108.323 χ^2/NDF: 36.4/22

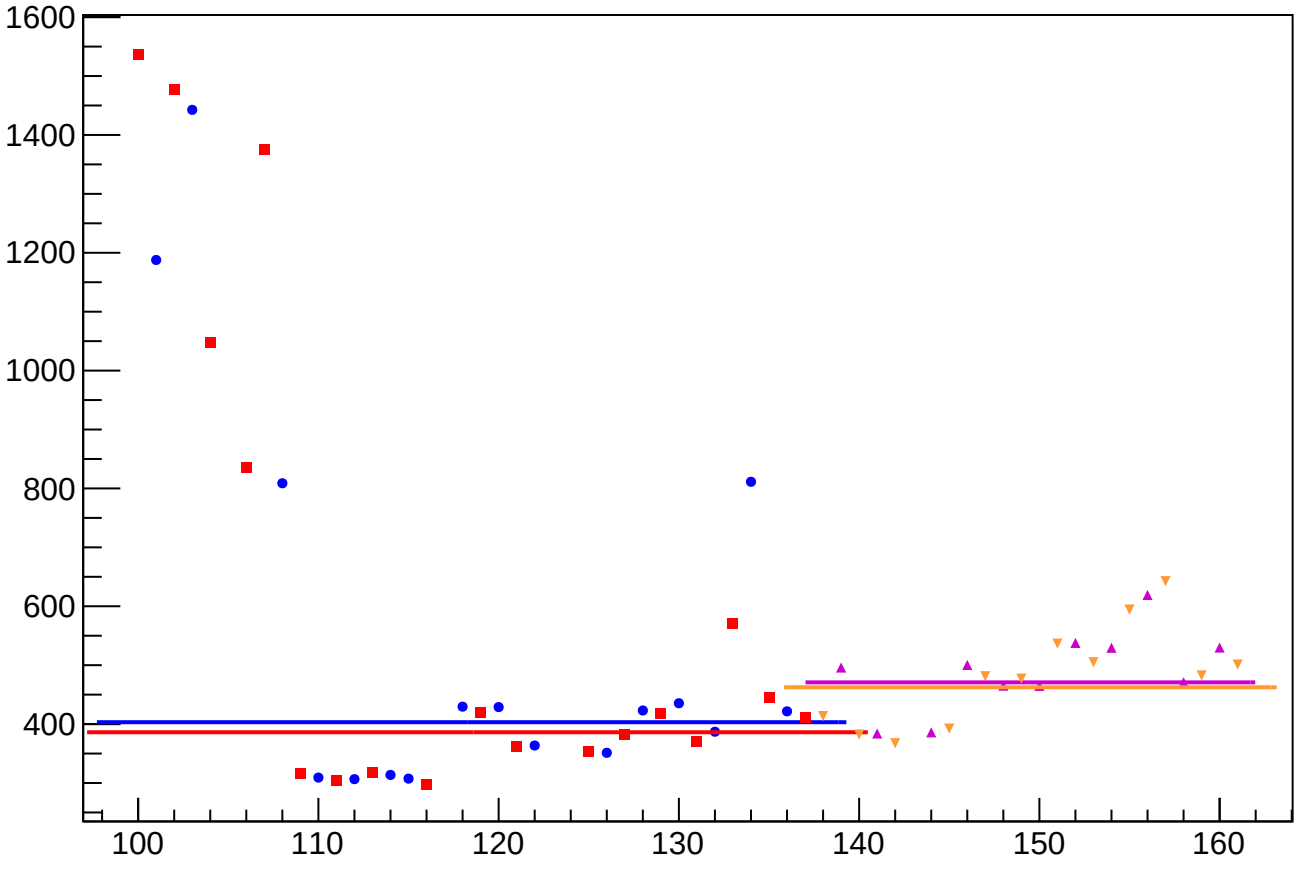
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -4.656+/-111.398 χ^2/NDF:30.6/26

Out: -88.892+/-109.046 χ^2/NDF:46.2/29

All: -47.672+/-77.925 χ^2/NDF: 77.1/56

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: 462.476+/-0.108 χ^2/NDF:474413.1/11

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 470.802+/-0.109 χ^2/NDF:349665.3/10

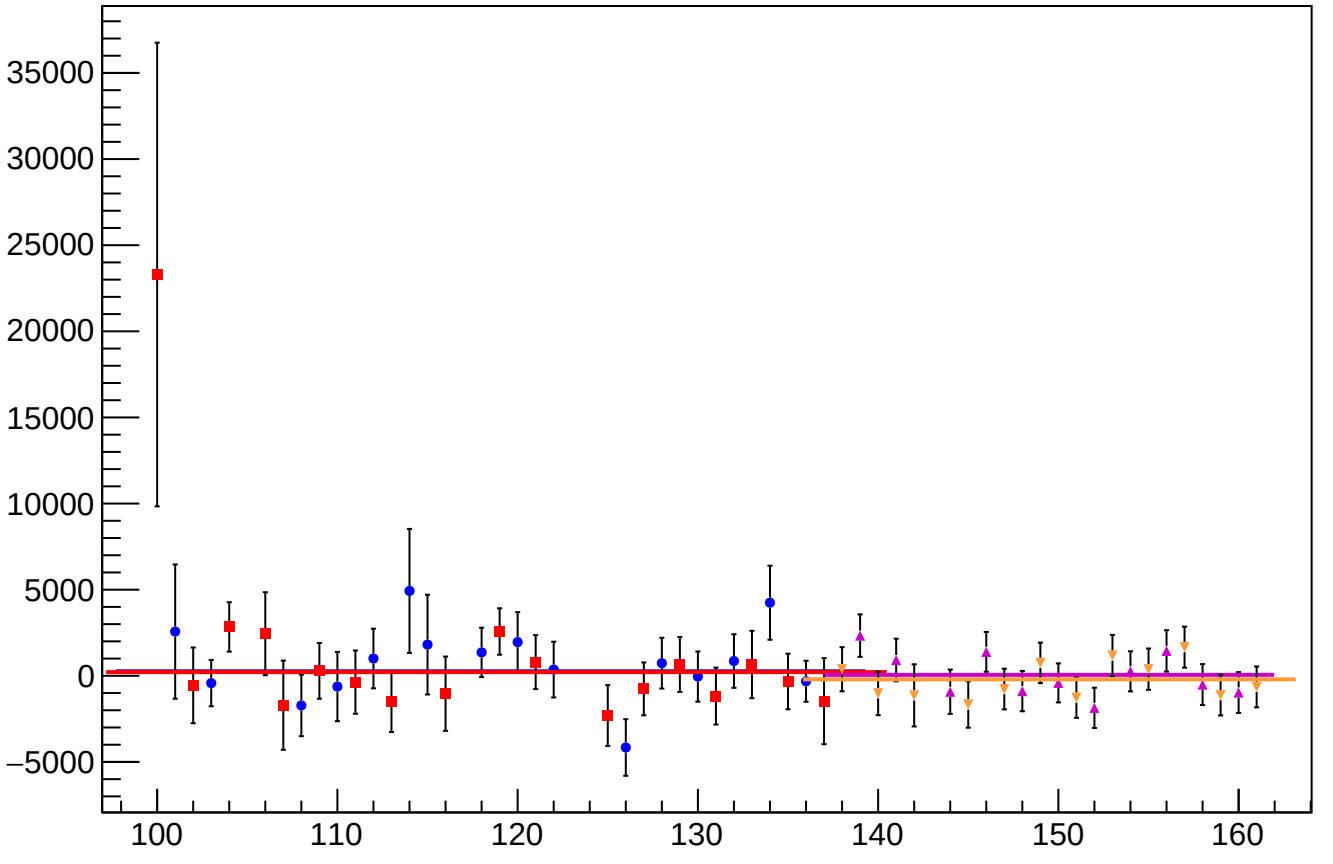
Left: 466.590+/-0.077 χ^2/NDF: 827032.0/22

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 438.530+/-0.079 χ^2/NDF:2341884.1/26

Out: 425.270+/-0.077 χ^2/NDF:2478356.2/29

All: 431.759+/-0.055 χ^2/NDF: 4834711.9/56



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -206.199+/-358.502 χ^2/NDF:8.5/11

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 54.390+/-359.117 χ^2/NDF:11.7/10

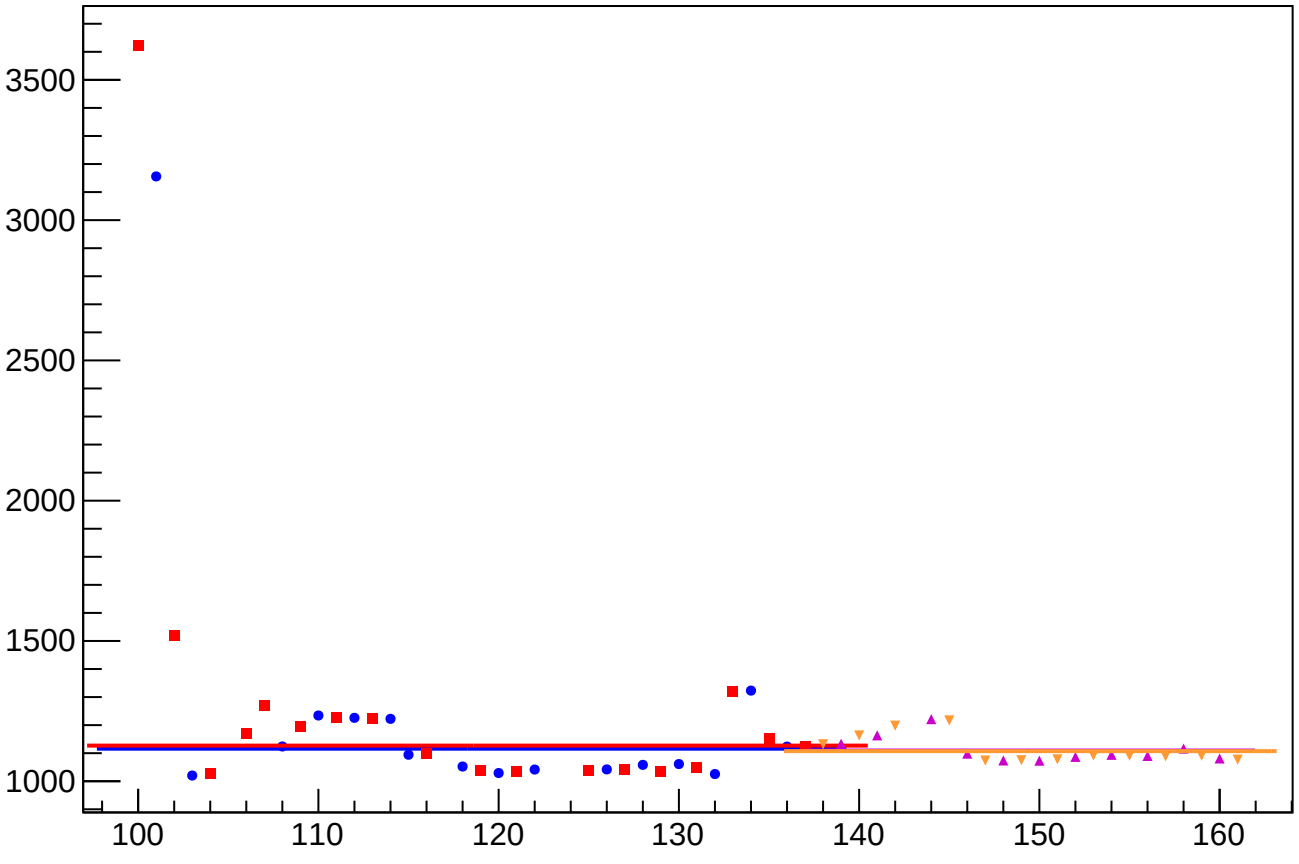
Left: -76.128+/-253.716 χ^2/NDF: 20.5/22

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 140.294+/-274.211 χ^2/NDF:28.7/26

Out: -31.944+/-274.388 χ^2/NDF:25.3/29

All: 54.230+/-193.959 χ^2/NDF: 54.3/56



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1107.335+/-0.253 χ^2/NDF:30108.5/11

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

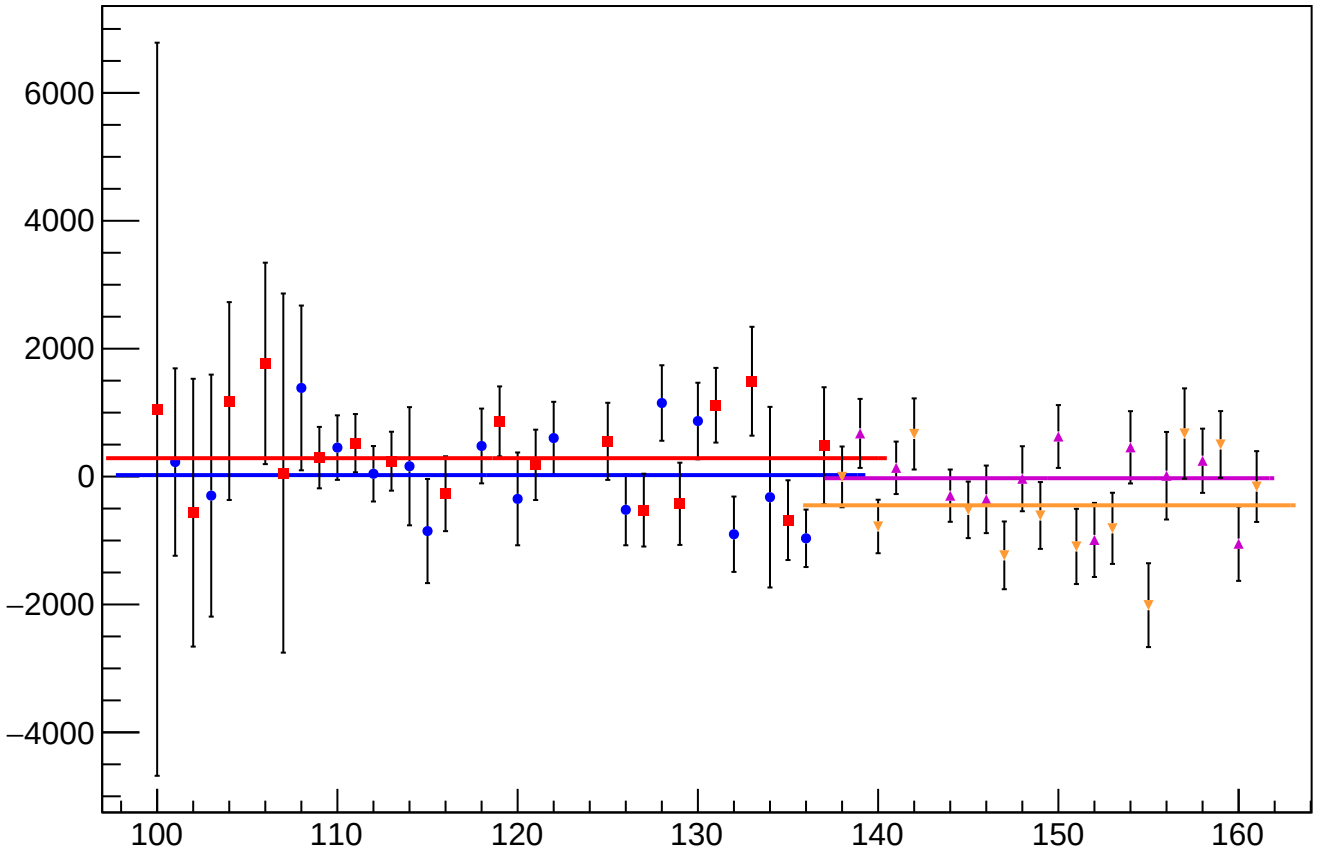
Left: 1108.421+/-0.179 χ^2/NDF: 56699.3/22

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1112.253+/-0.194 χ^2/NDF:650225.9/26

Out: 1115.464+/-0.194 χ^2/NDF:255331.1/29

All: 1113.858+/-0.137 χ^2/NDF: 905694.0/56



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -449.257+/-152.312 χ^2/NDF:21.2/11

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -25.730+/-154.086 χ^2/NDF:11.4/10

Left: -239.946+/-108.322 χ^2/NDF: 36.4/22

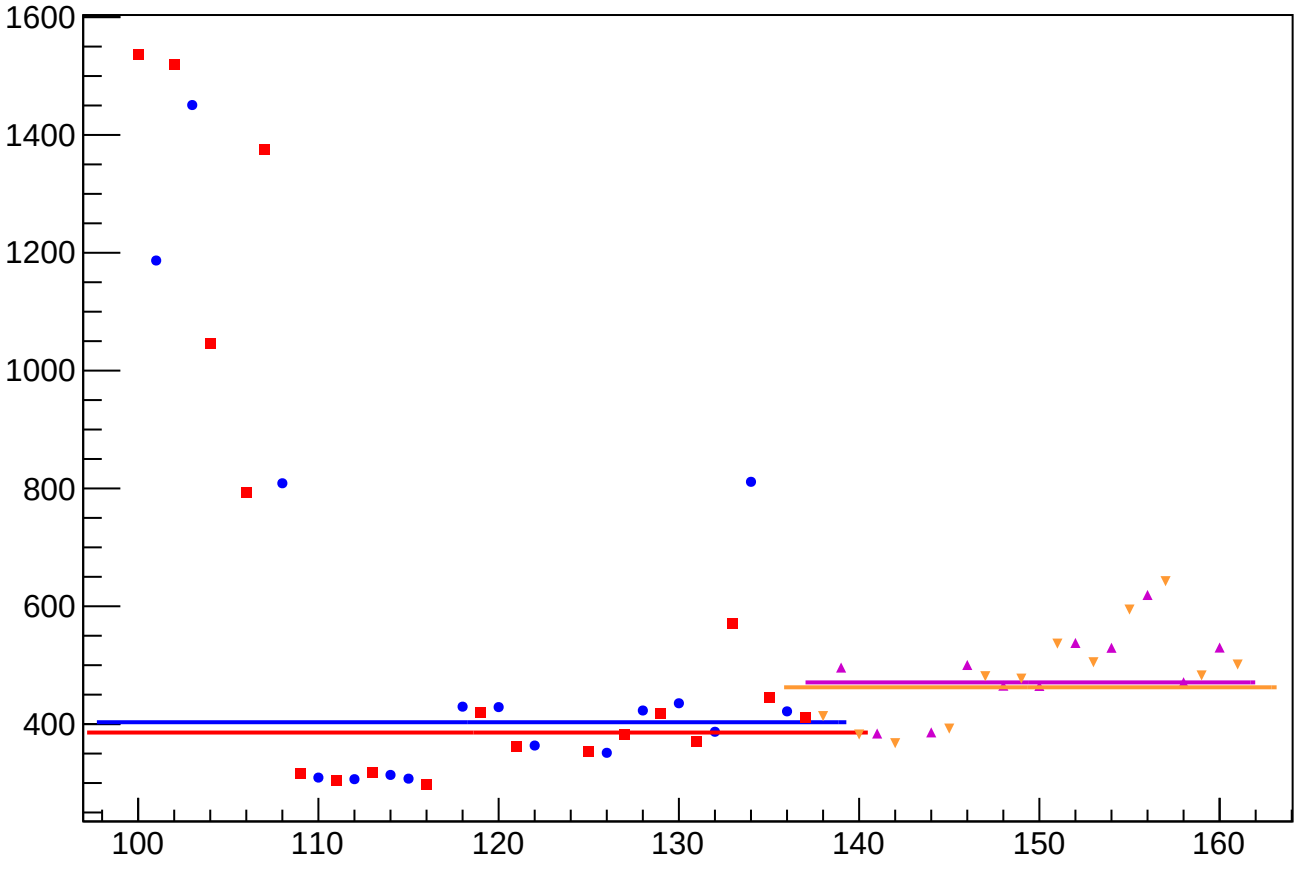
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -2.507+/-111.398 χ^2/NDF:30.4/26

Out: -90.136+/-109.053 χ^2/NDF:46.3/29

All: -47.253+/-77.928 χ^2/NDF: 77.0/56

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: 462.473+/-0.108 χ^2/NDF:474436.8/11

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

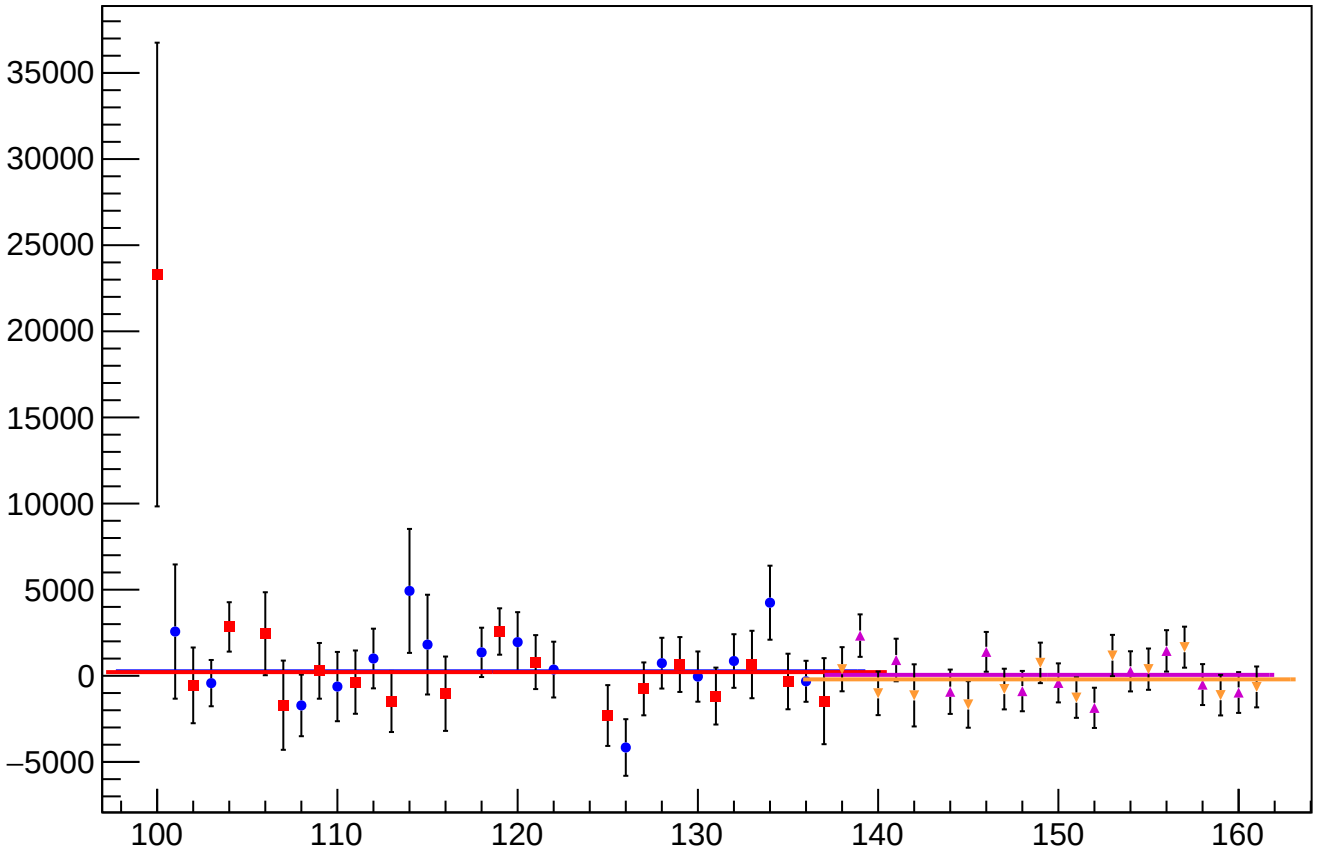
Left: 466.587+/-0.077 χ^2/NDF: 827034.7/22

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 438.523+/-0.079 χ^2/NDF:2345587.7/26

Out: 425.048+/-0.077 χ^2/NDF:2469355.1/29

All: 431.642+/-0.055 χ^2/NDF: 4829885.9/56



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -206.199+/-358.502 χ^2/NDF:8.5/11

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 54.390+/-359.117 χ^2/NDF:11.7/10

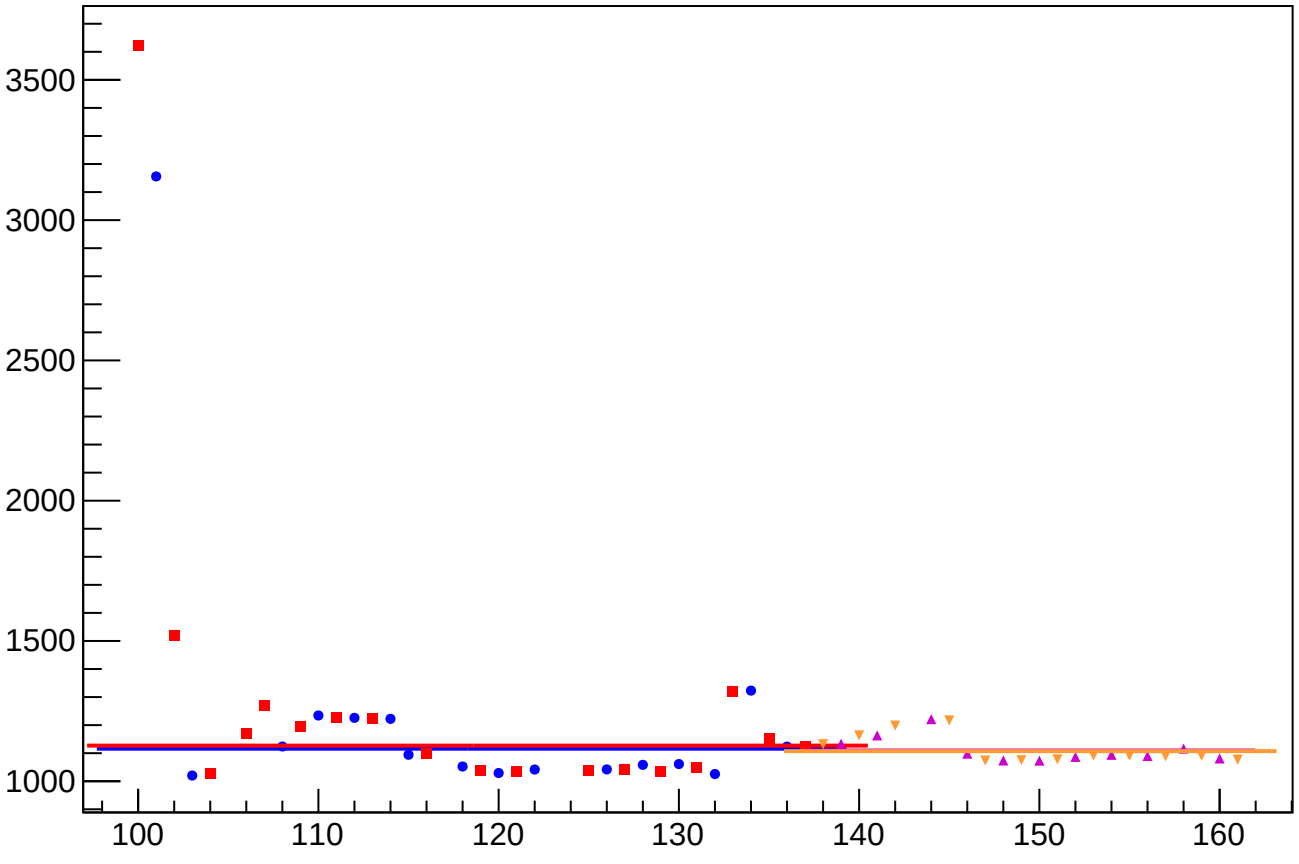
Left: -76.128+/-253.716 χ^2/NDF: 20.5/22

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 140.294+/-274.211 χ^2/NDF:28.7/26

Out: -31.944+/-274.388 χ^2/NDF:25.3/29

All: 54.230+/-193.959 χ^2/NDF: 54.3/56



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1107.335+/-0.253 χ^2/NDF:30108.5/11

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

Left: 1108.421+/-0.179 χ^2/NDF: 56699.3/22

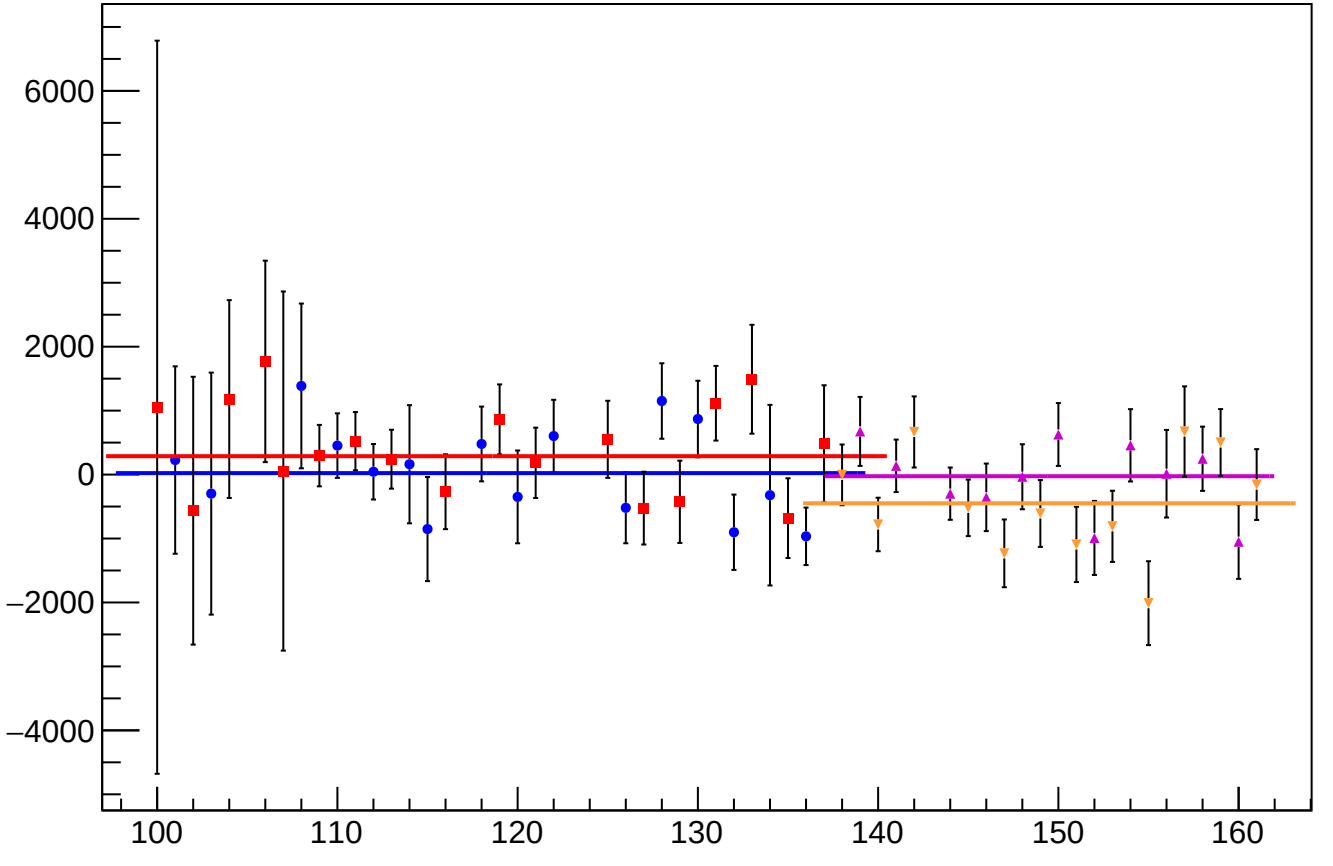
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1112.253+/-0.194 χ^2/NDF:650225.9/26

Out: 1115.464+/-0.194 χ^2/NDF:255331.1/29

All: 1113.858+/-0.137 χ^2/NDF: 905694.0/56

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: -449.257+/-152.312 χ^2/NDF:21.2/11

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -25.730+/-154.086 χ^2/NDF:11.4/10

Left: -239.946+/-108.322 χ^2/NDF: 36.4/22

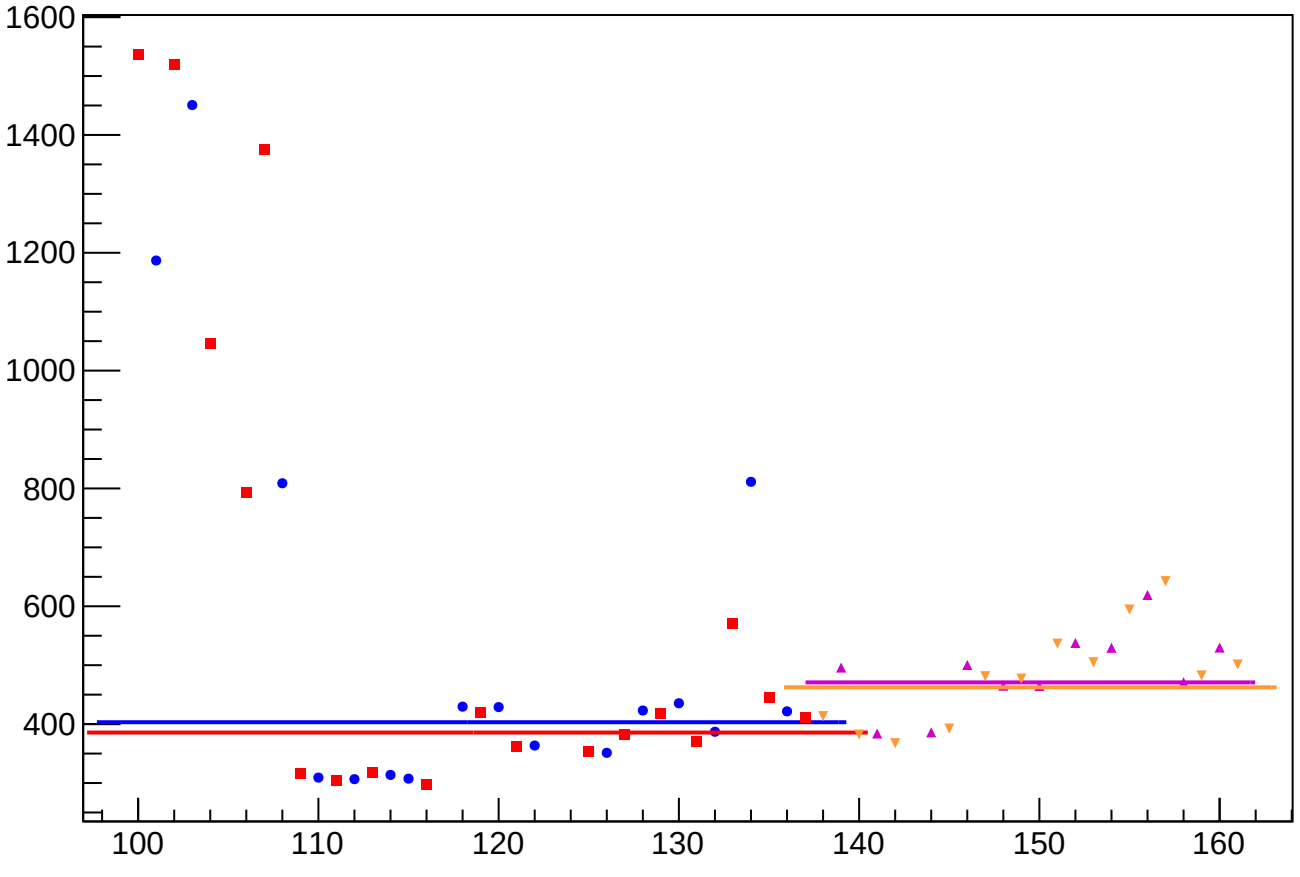
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -2.507+/-111.398 χ^2/NDF:30.4/26

Out: -90.136+/-109.053 χ^2/NDF:46.3/29

All: -47.253+/-77.928 χ^2/NDF: 77.0/56

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.473+/-0.108 χ^2/NDF:474436.8/11

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

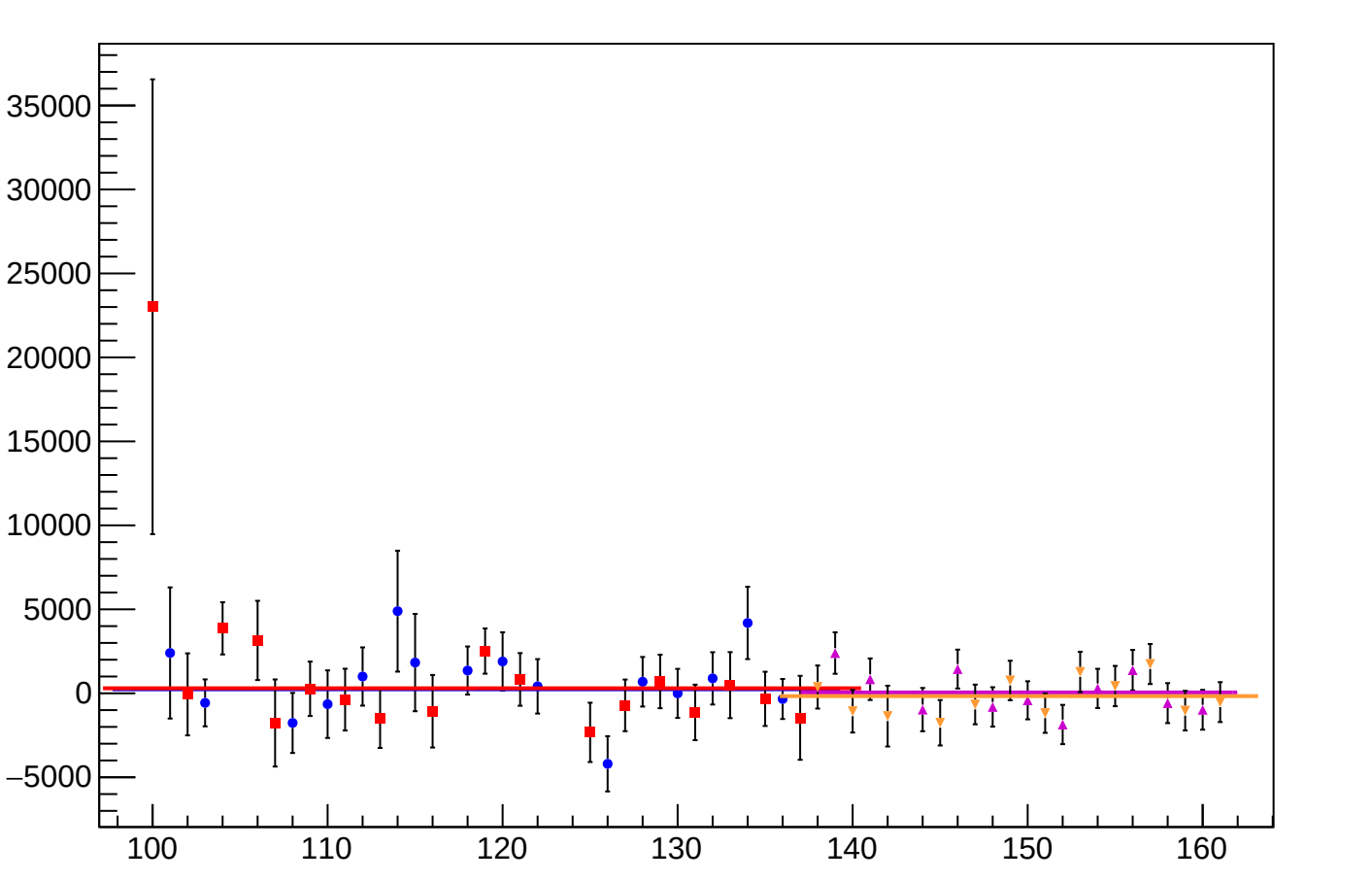
Left: 466.587+/-0.077 χ^2/NDF: 827034.7/22

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 438.523+/-0.079 χ^2/NDF:2345587.7/26

Out: 425.048+/-0.077 χ^2/NDF:2469355.1/29

All: 431.642+/-0.055 χ^2/NDF: 4829885.9/56



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -167.508+/-358.934 χ^2/NDF:8.9/11

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 50.749+/-359.514 χ^2/NDF:11.8/10

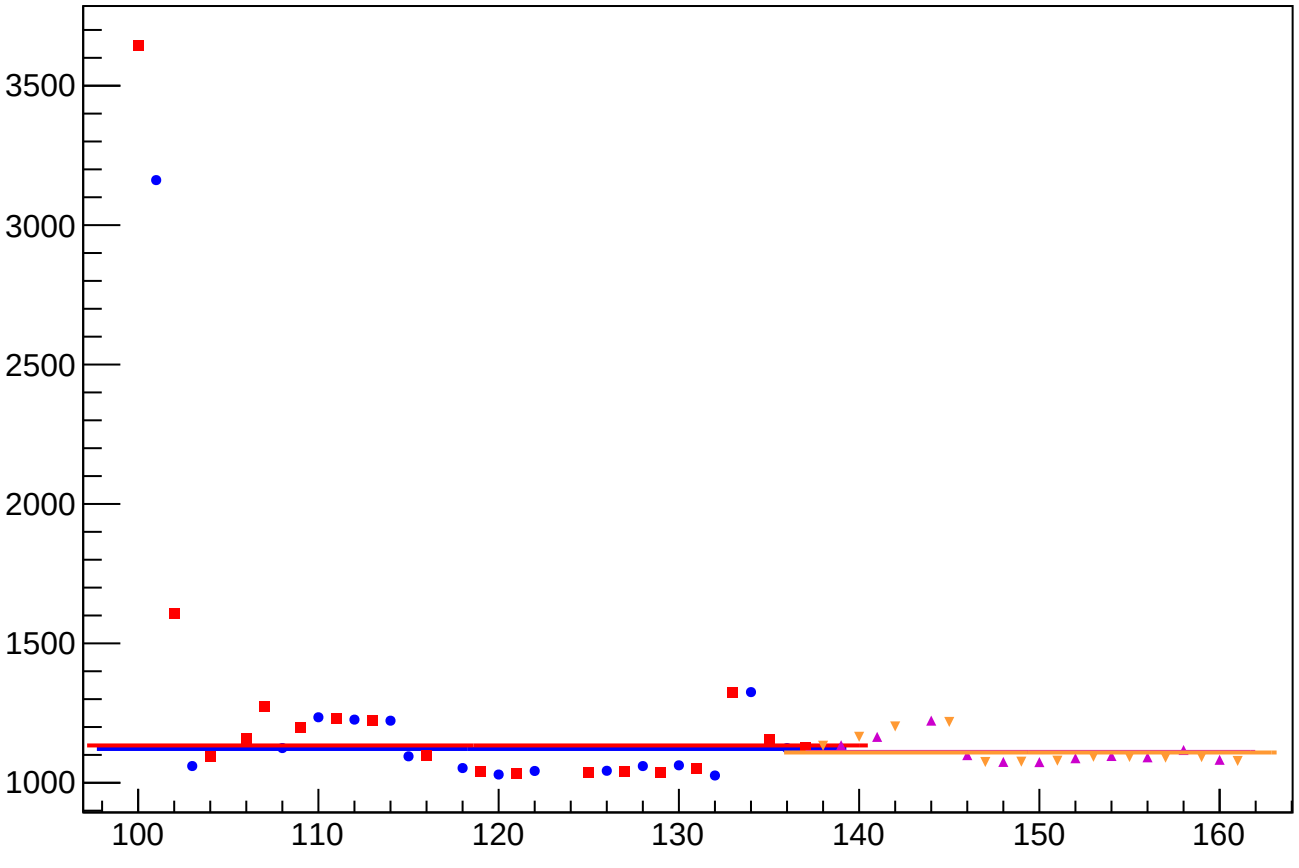
Left: -58.556+/-254.010 χ^2/NDF: 20.9/22

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 129.686+/-274.908 χ^2/NDF:28.8/26

Out: 23.627+/-275.753 χ^2/NDF:28.3/29

All: 76.819+/-194.687 χ^2/NDF: 57.2/56



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1108.653+/-0.254 χ^2/NDF:30458.8/11

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

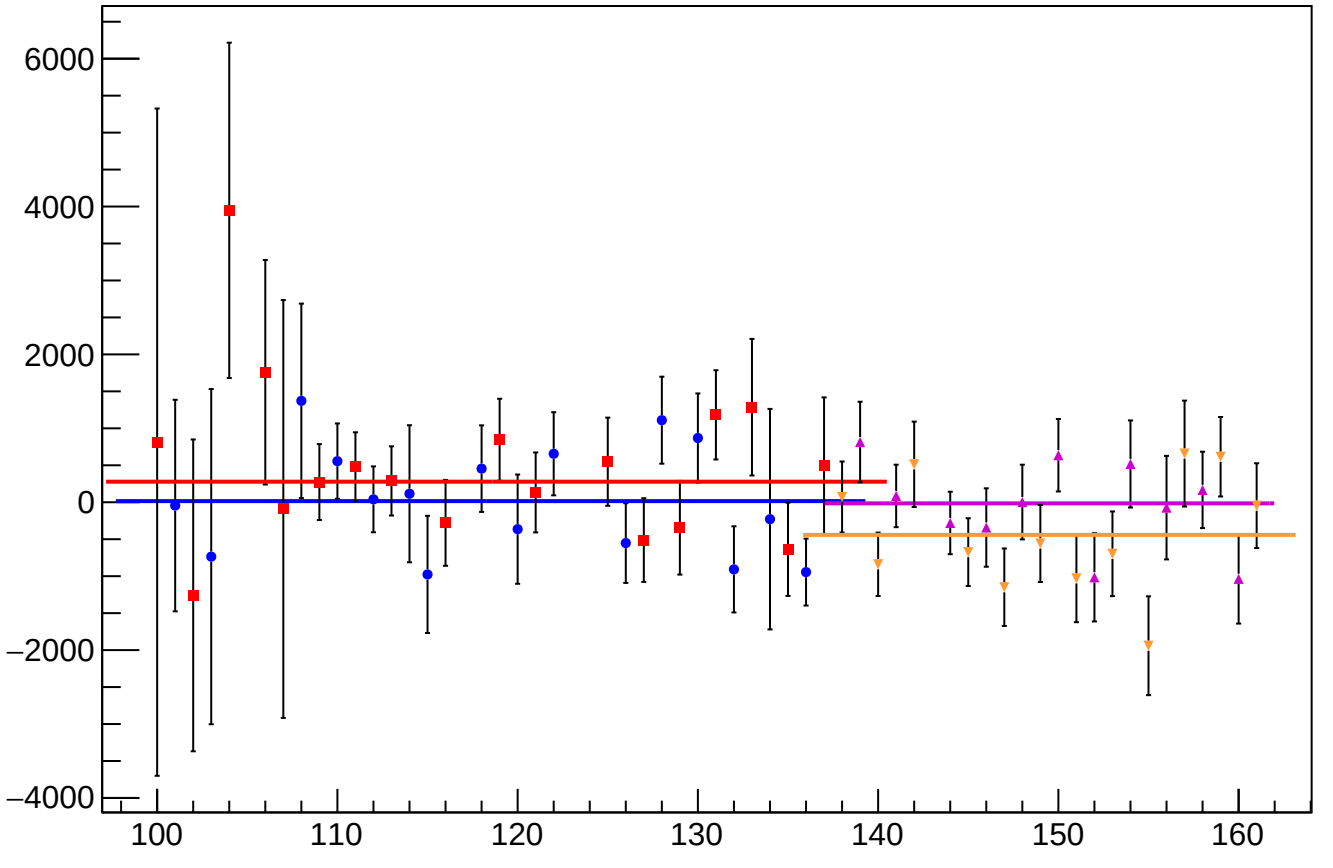
Left: 1109.689+/-0.180 χ^2/NDF: 57118.8/22

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1115.117+/-0.194 χ^2/NDF:644372.0/26

Out: 1119.011+/-0.195 χ^2/NDF:261980.3/29

All: 1117.058+/-0.138 χ^2/NDF: 906552.3/56



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -441.208+/-155.351 χ^2/NDF:19.8/11

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -14.959+/-157.290 χ^2/NDF:11.5/10

Left: -230.726+/-110.529 χ^2/NDF: 35.0/22

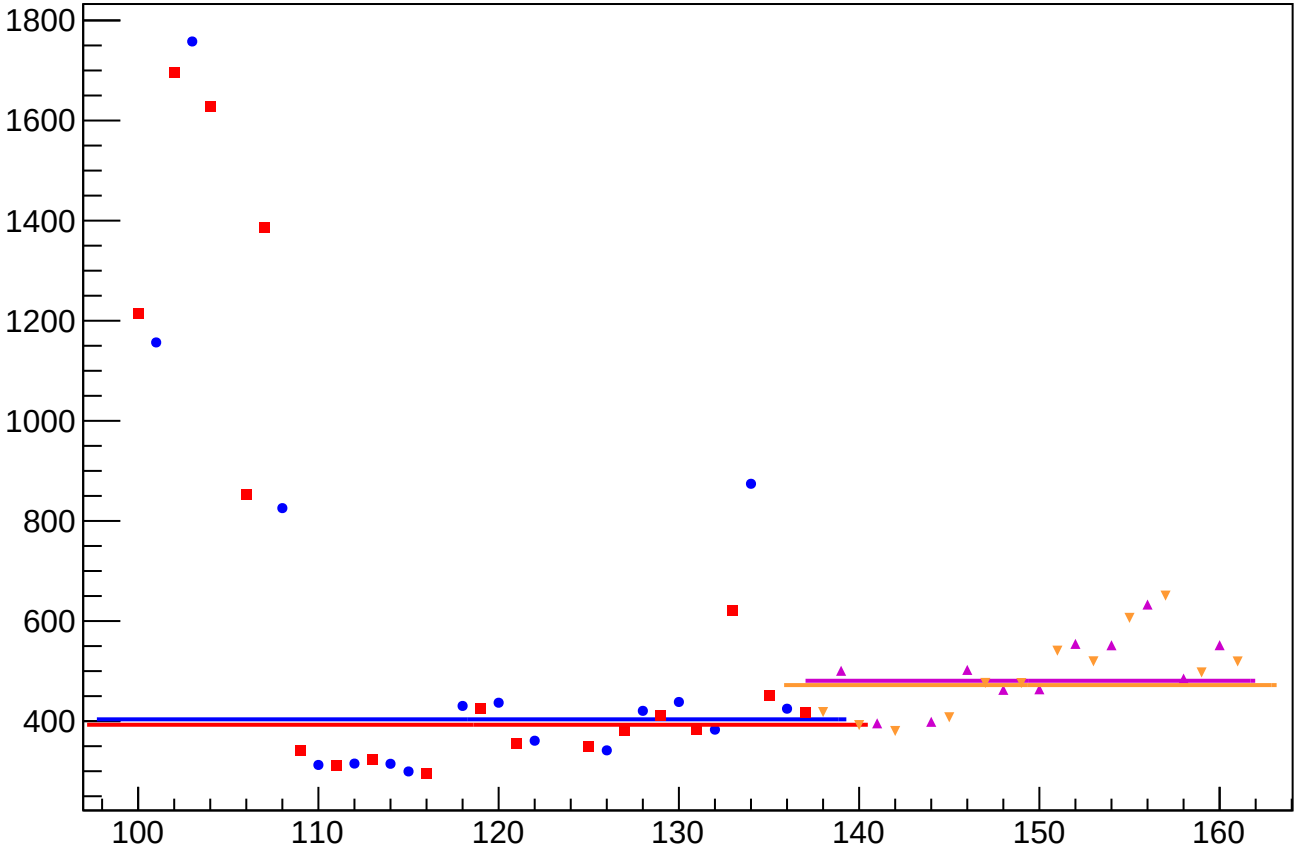
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -0.266+/-112.797 χ^2/NDF:31.2/26

Out: -89.438+/-111.059 χ^2/NDF:45.3/29

All: -45.544+/-79.138 χ^2/NDF: 76.8/56

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: 472.077+/-0.110 χ^2/NDF:448672.3/11

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 480.710+/-0.111 χ^2/NDF:349121.5/10

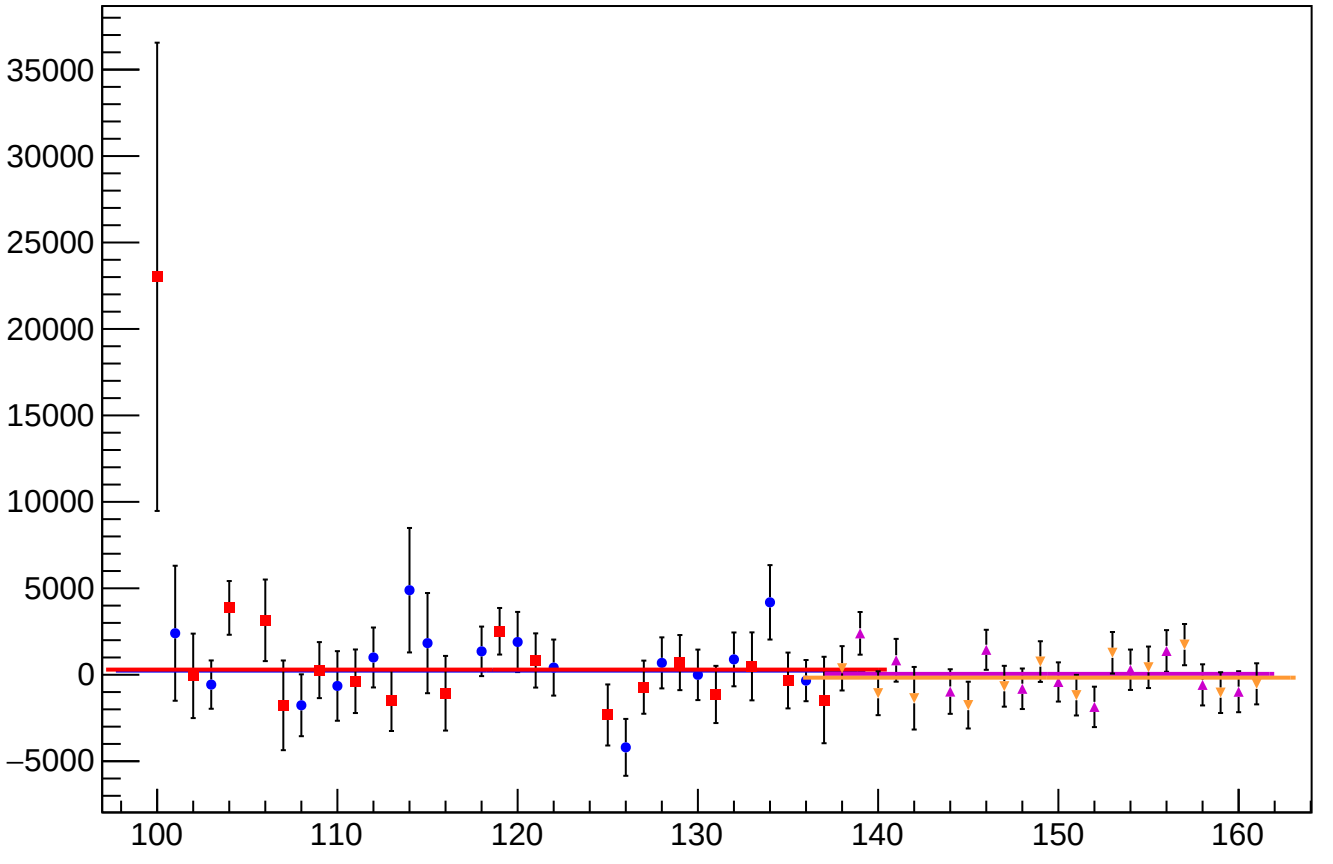
Left: 476.340+/-0.078 χ^2/NDF: 800843.8/22

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 443.283+/-0.080 χ^2/NDF:2511858.9/26

Out: 433.325+/-0.079 χ^2/NDF:2906648.6/29

All: 438.227+/-0.056 χ^2/NDF: 5426421.1/56



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -167.513+/-358.934 χ^2/NDF:8.9/11

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 50.749+/-359.514 χ^2/NDF:11.8/10

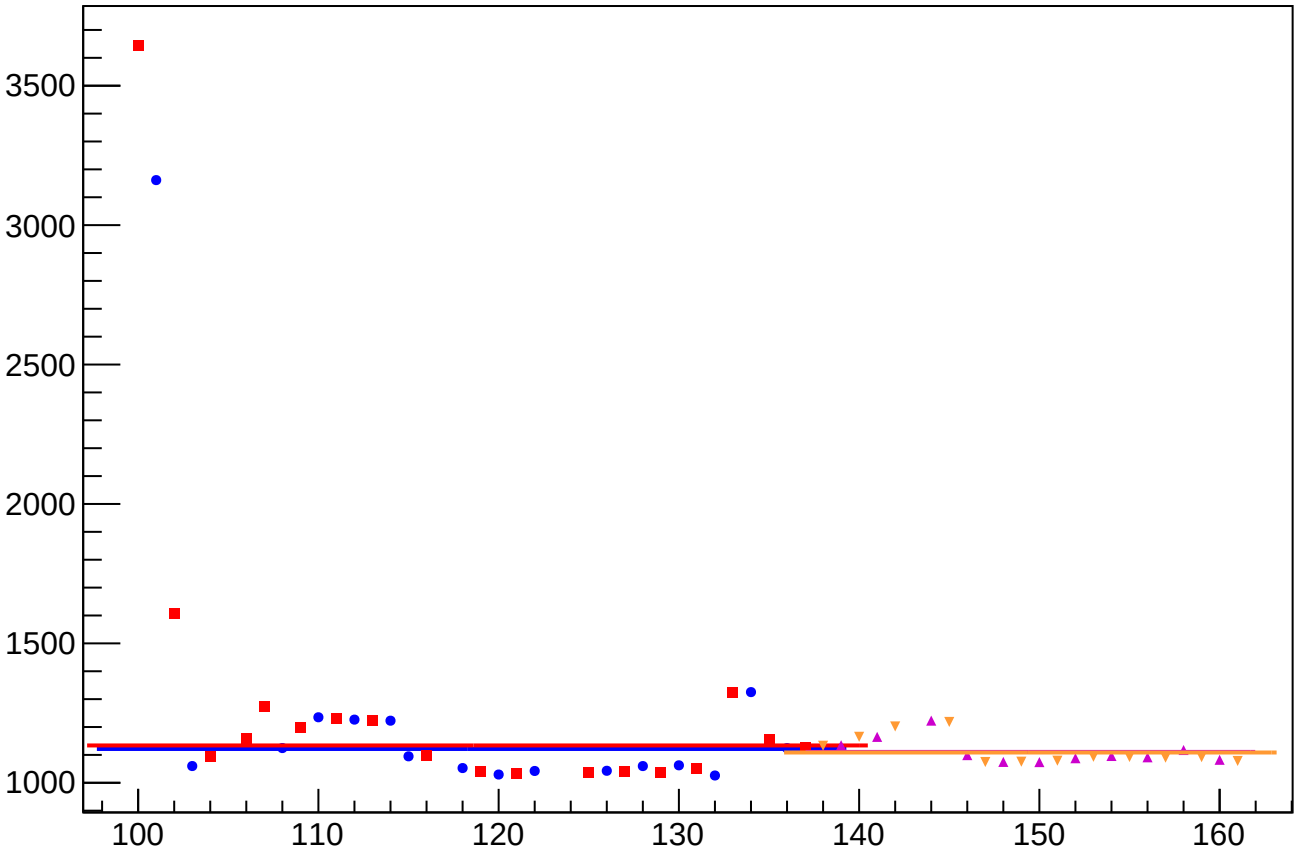
Left: -58.558+/-254.010 χ^2/NDF: 20.9/22

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 129.687+/-274.908 χ^2/NDF:28.8/26

Out: 23.625+/-275.753 χ^2/NDF:28.3/29

All: 76.819+/-194.687 χ^2/NDF: 57.2/56



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1108.653+/-0.254 χ^2/NDF:30458.9/11

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

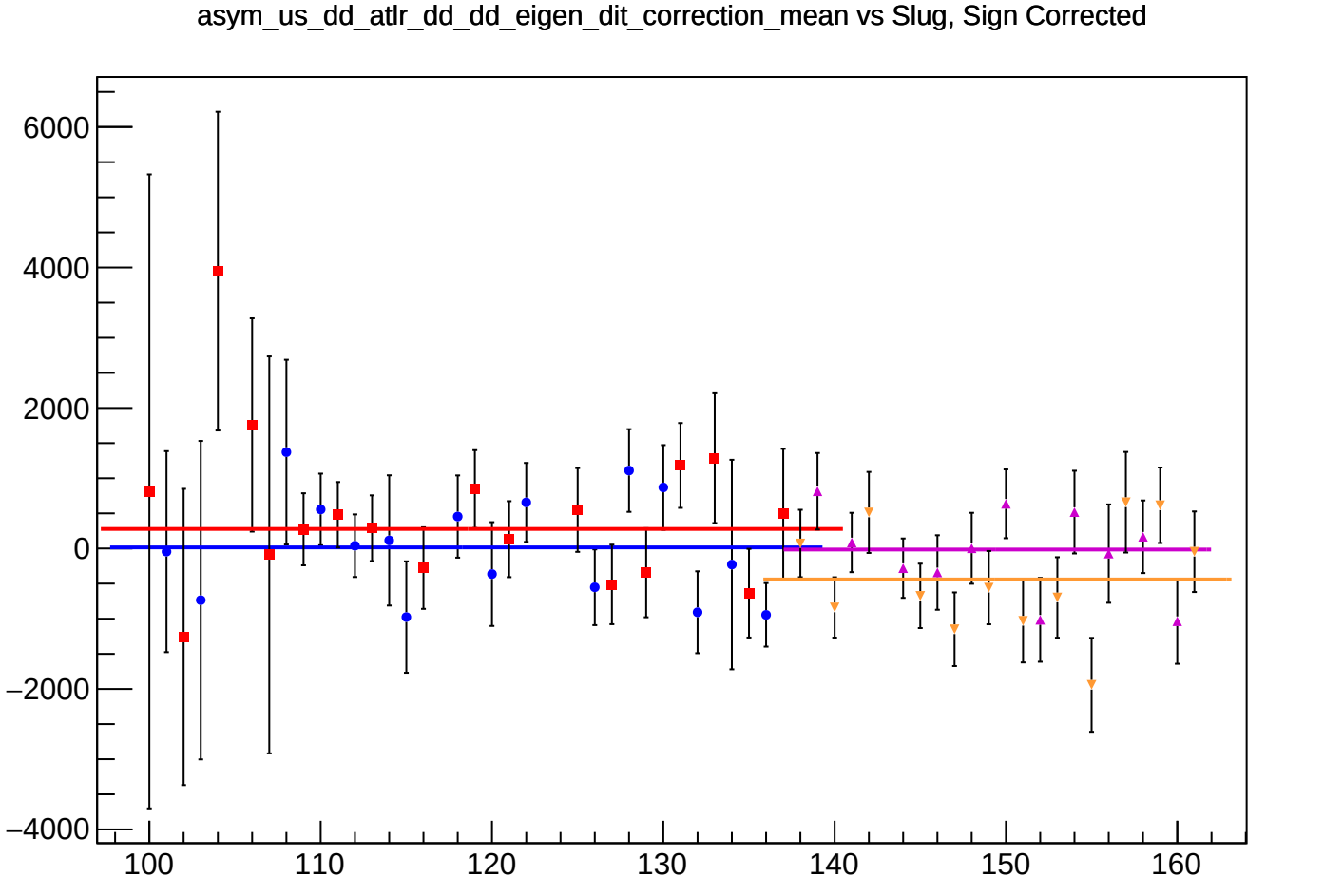
Left: 1109.690+/-0.180 χ^2/NDF: 57118.8/22

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

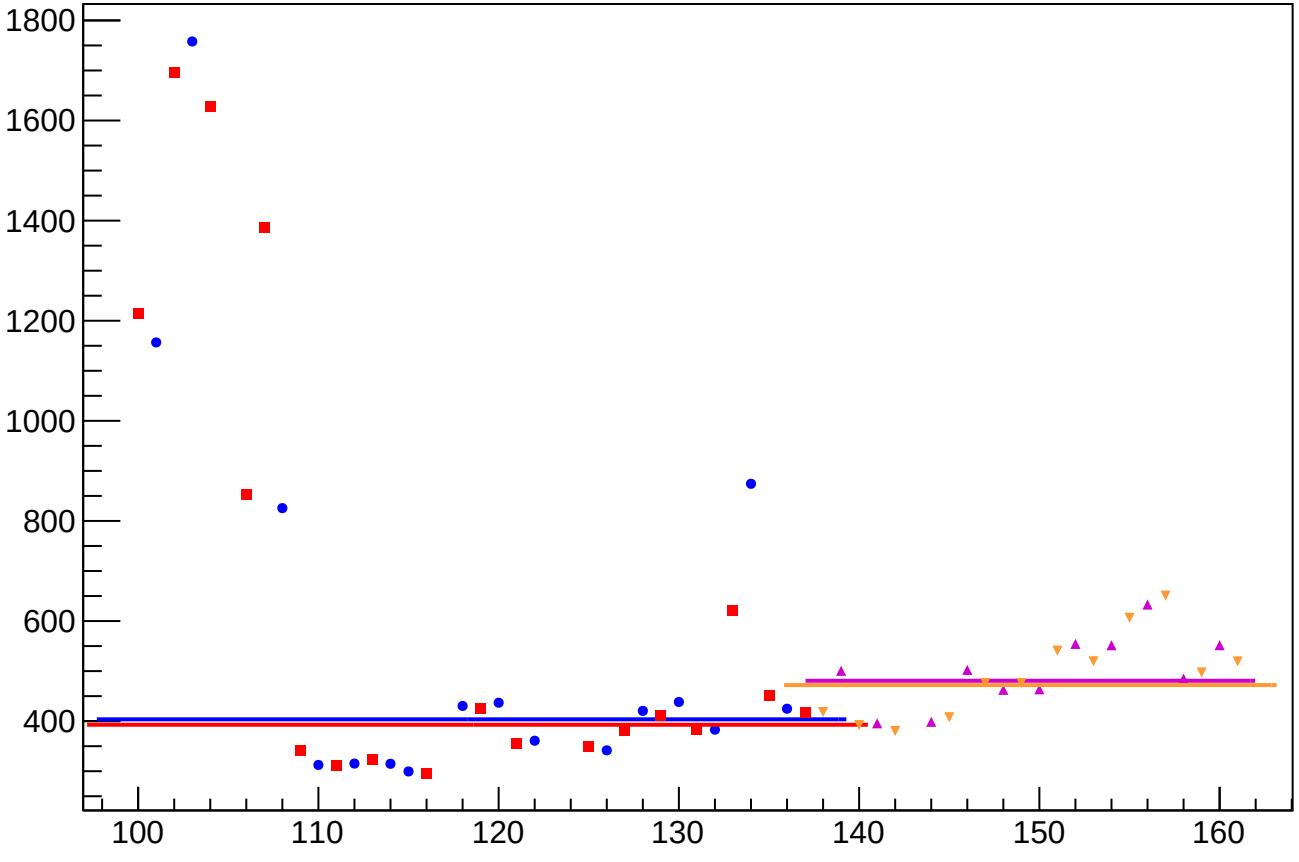
In: 1115.117+/-0.194 χ^2/NDF:644372.1/26

Out: 1119.011+/-0.195 χ^2/NDF:261980.4/29

All: 1117.058+/-0.138 χ^2/NDF: 906552.4/56


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -441.211+/-155.352 χ²/NDF:19.8/11
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -14.958+/-157.290 χ²/NDF:11.5/10
Left: -230.727+/-110.529 χ²/NDF: 35.0/22
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -0.267+/-112.797 χ²/NDF:31.2/26
Out: -89.437+/-111.058 χ²/NDF:45.3/29
All: -45.544+/-79.137 χ²/NDF: 76.8/56

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: 472.077+/-0.110 χ^2/NDF:448694.2/11

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 480.712+/-0.111 χ^2/NDF:349130.0/10

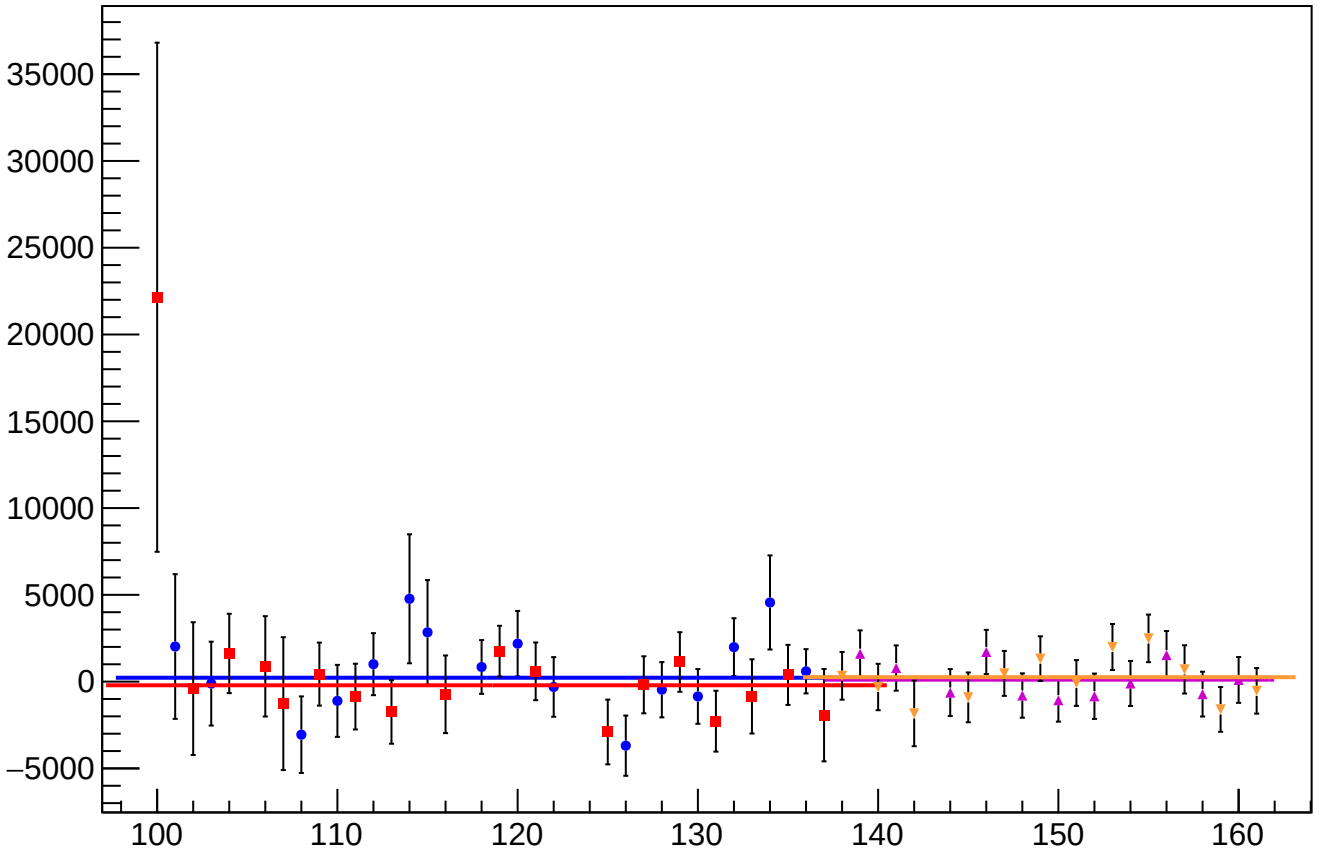
Left: 476.341+/-0.078 χ^2/NDF: 800874.8/22

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 443.282+/-0.080 χ^2/NDF:2511893.1/26

Out: 433.324+/-0.079 χ^2/NDF:2906702.7/29

All: 438.225+/-0.056 χ^2/NDF: 5426510.4/56



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 255.553+/-394.342 χ^2/NDF:9.8/11

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 112.738+/-393.999 χ^2/NDF:6.8/10

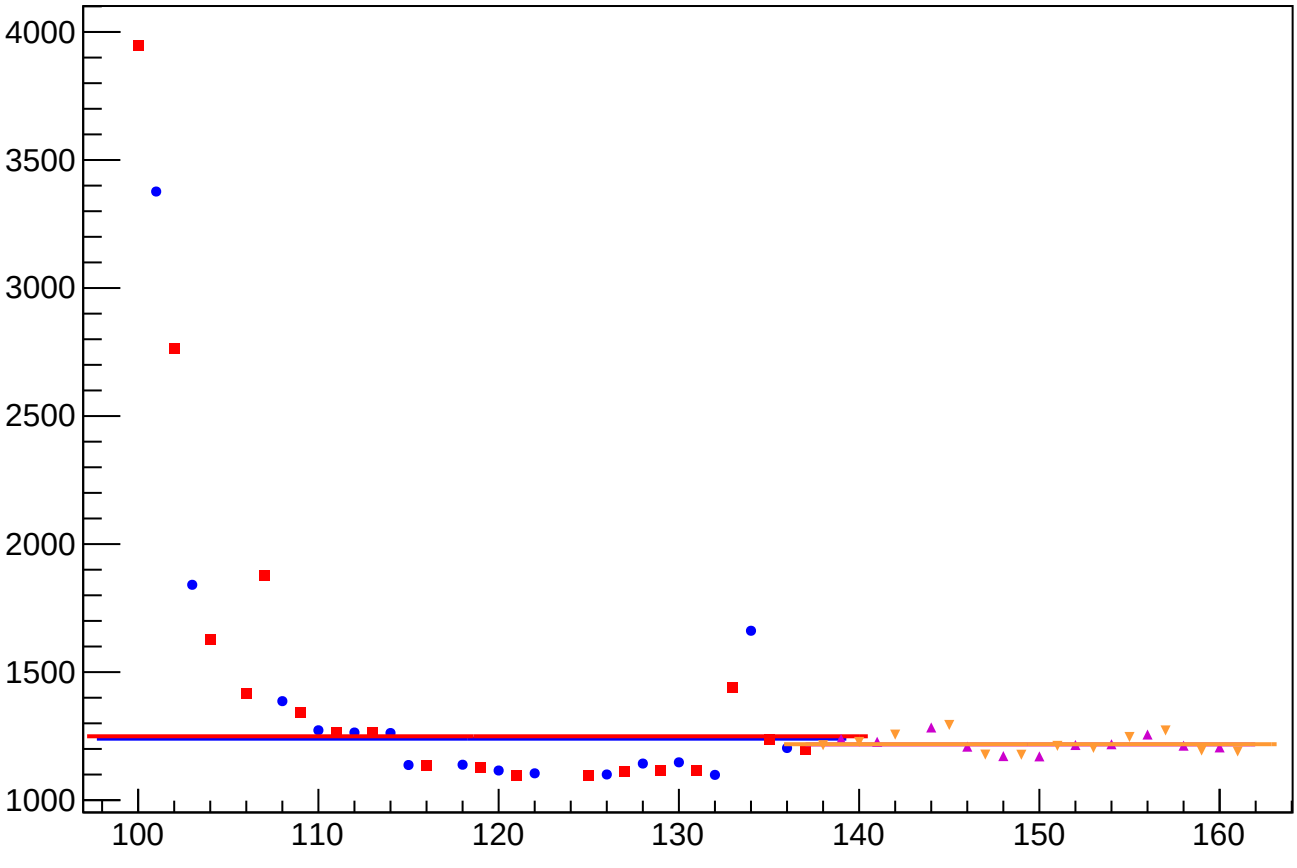
Left: 184.083+/-278.721 χ^2/NDF: 16.6/22

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 158.471+/-303.138 χ^2/NDF:23.0/26

Out: 67.033+/-304.141 χ^2/NDF:21.3/29

All: 112.903+/-214.705 χ^2/NDF: 44.3/56



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1218.482+/-0.279 χ^2/NDF:16168.2/11

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1217.667+/-0.279 χ^2/NDF:12624.7/10

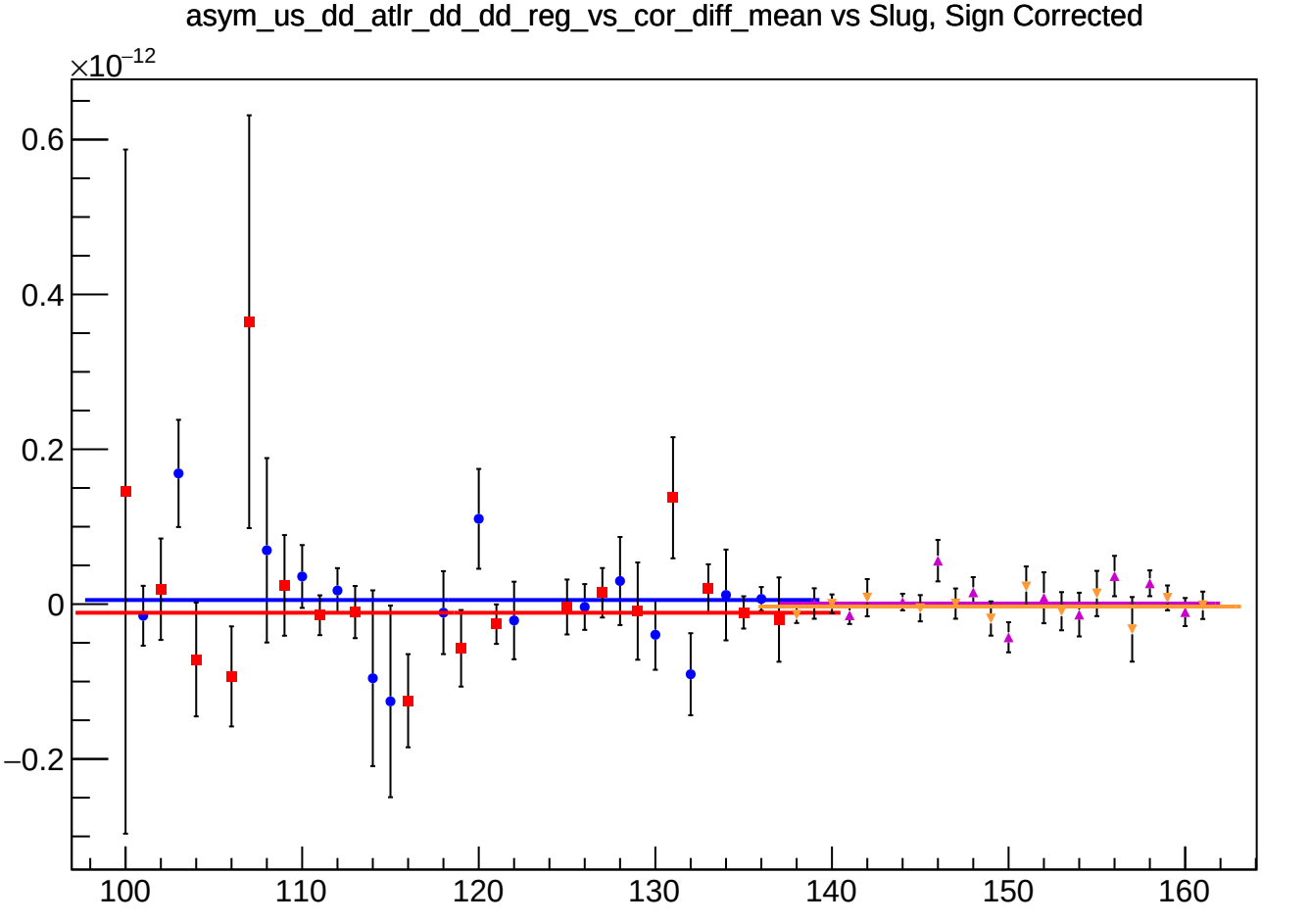
Left: 1218.074+/-0.197 χ^2/NDF: 28797.2/22

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1226.837+/-0.214 χ^2/NDF:797959.5/26

Out: 1231.013+/-0.215 χ^2/NDF:627251.9/29

All: 1228.918+/-0.152 χ^2/NDF: 1425400.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/11

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

Left In: 0.000+/-0.000 χ^2/NDF:16.7/10

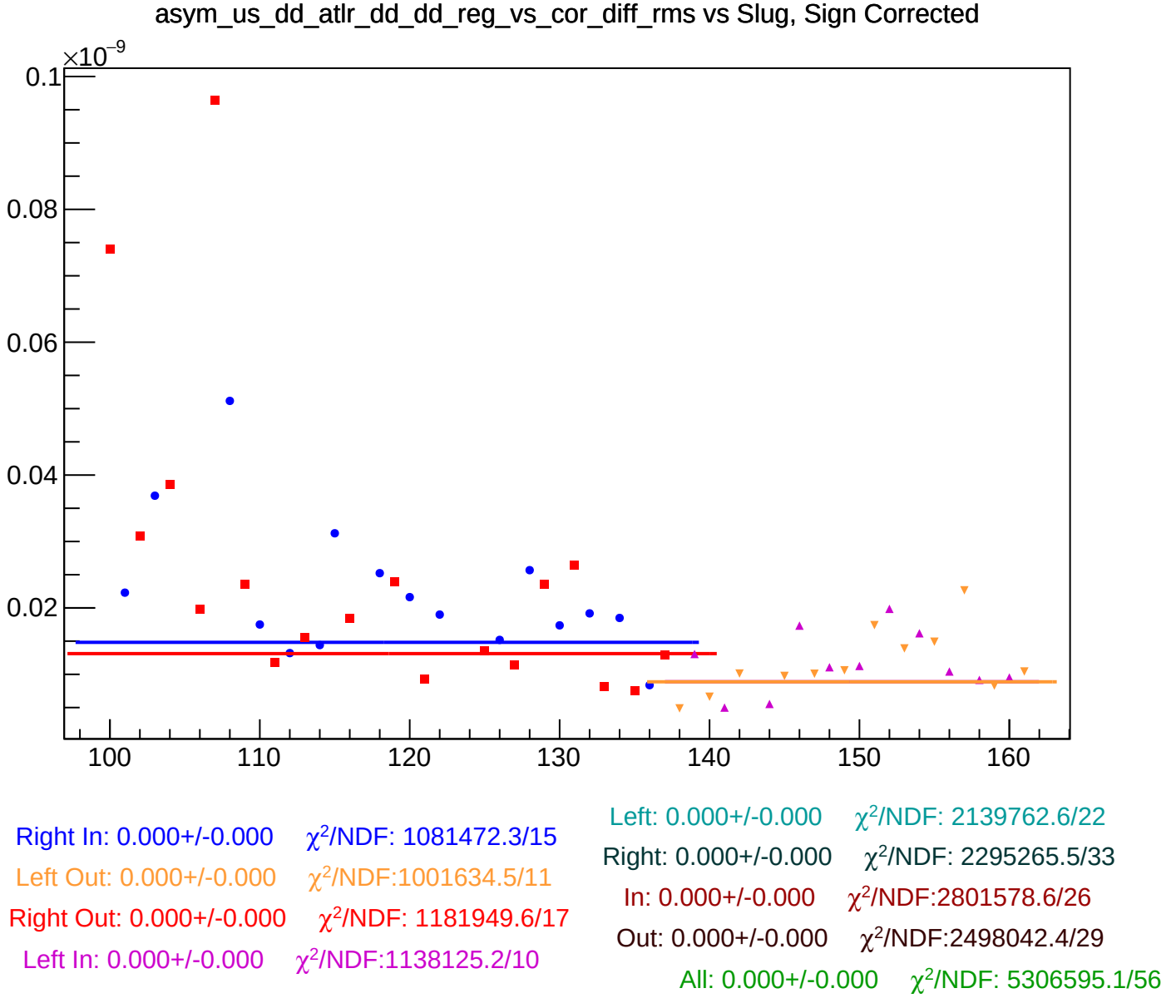
Left: -0.000+/-0.000 χ^2/NDF: 21.1/22

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

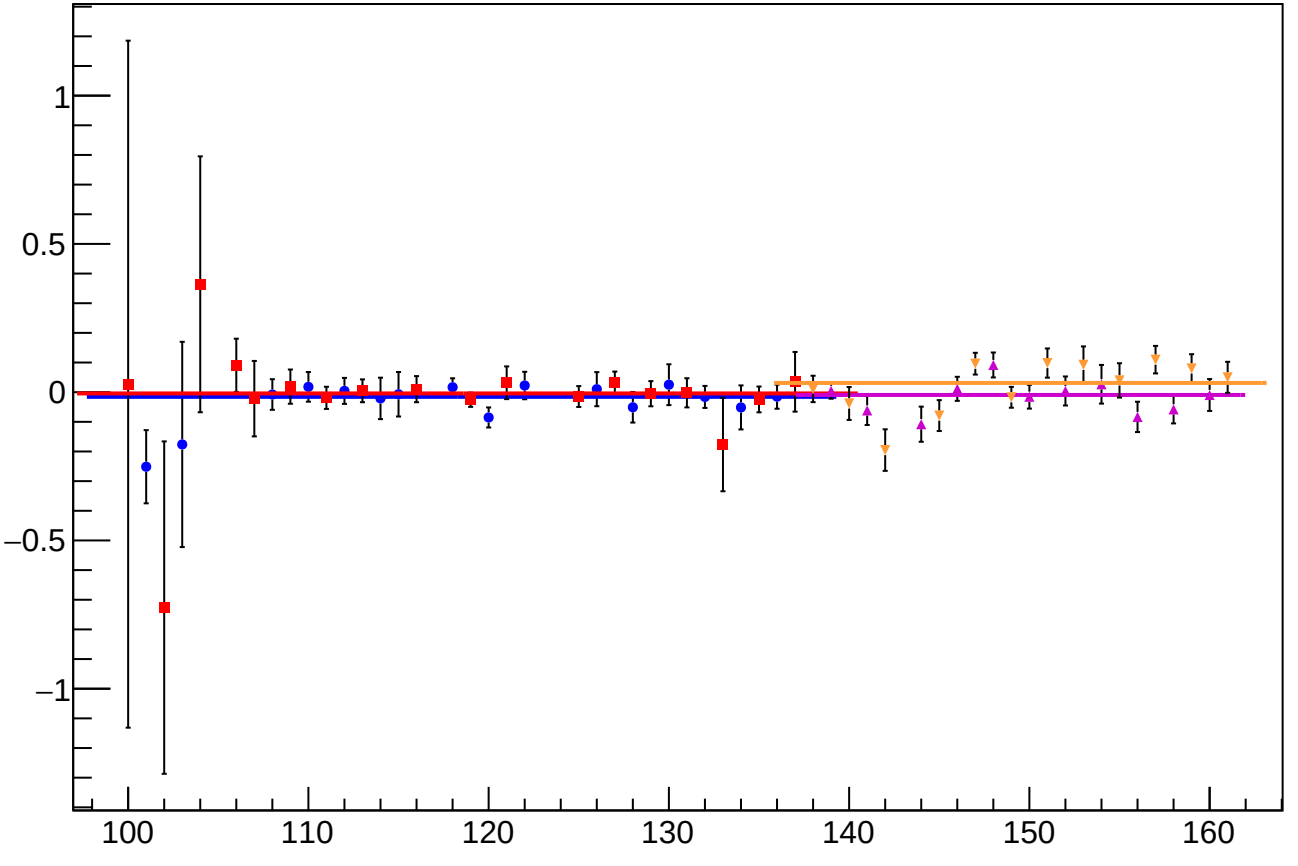
In: 0.000+/-0.000 χ^2/NDF:33.2/26

Out: -0.000+/-0.000 χ^2/NDF:19.8/29

All: -0.000+/-0.000 χ^2/NDF: 54.1/56


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1001634.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1138125.2/10
Left: 0.000+/-0.000 χ²/NDF: 2139762.6/22
Right: 0.000+/-0.000 χ²/NDF: 2295265.5/33
In: 0.000+/-0.000 χ²/NDF:2801578.6/26
Out: 0.000+/-0.000 χ²/NDF:2498042.4/29
All: 0.000+/-0.000 χ²/NDF: 5306595.1/56

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: 0.031+/-0.014 χ^2/NDF:28.6/11

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/10

Left: 0.010+/-0.010 χ^2/NDF: 46.8/22

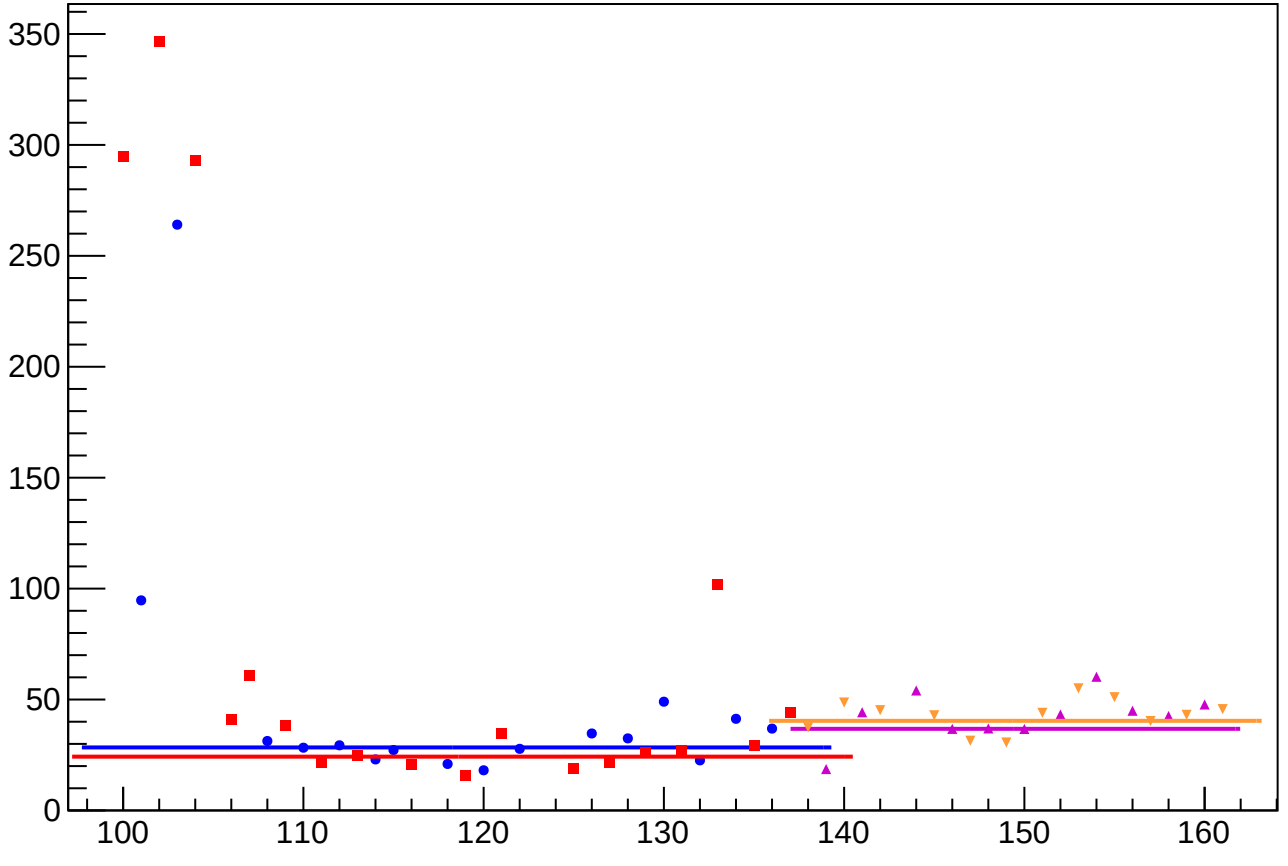
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.010+/-0.009 χ^2/NDF:40.3/29

All: -0.001+/-0.006 χ^2/NDF: 69.4/56

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.404+/-0.010 χ^2/NDF:557666.6/11

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

Left: 38.506+/-0.007 χ^2/NDF: 2239181.6/22

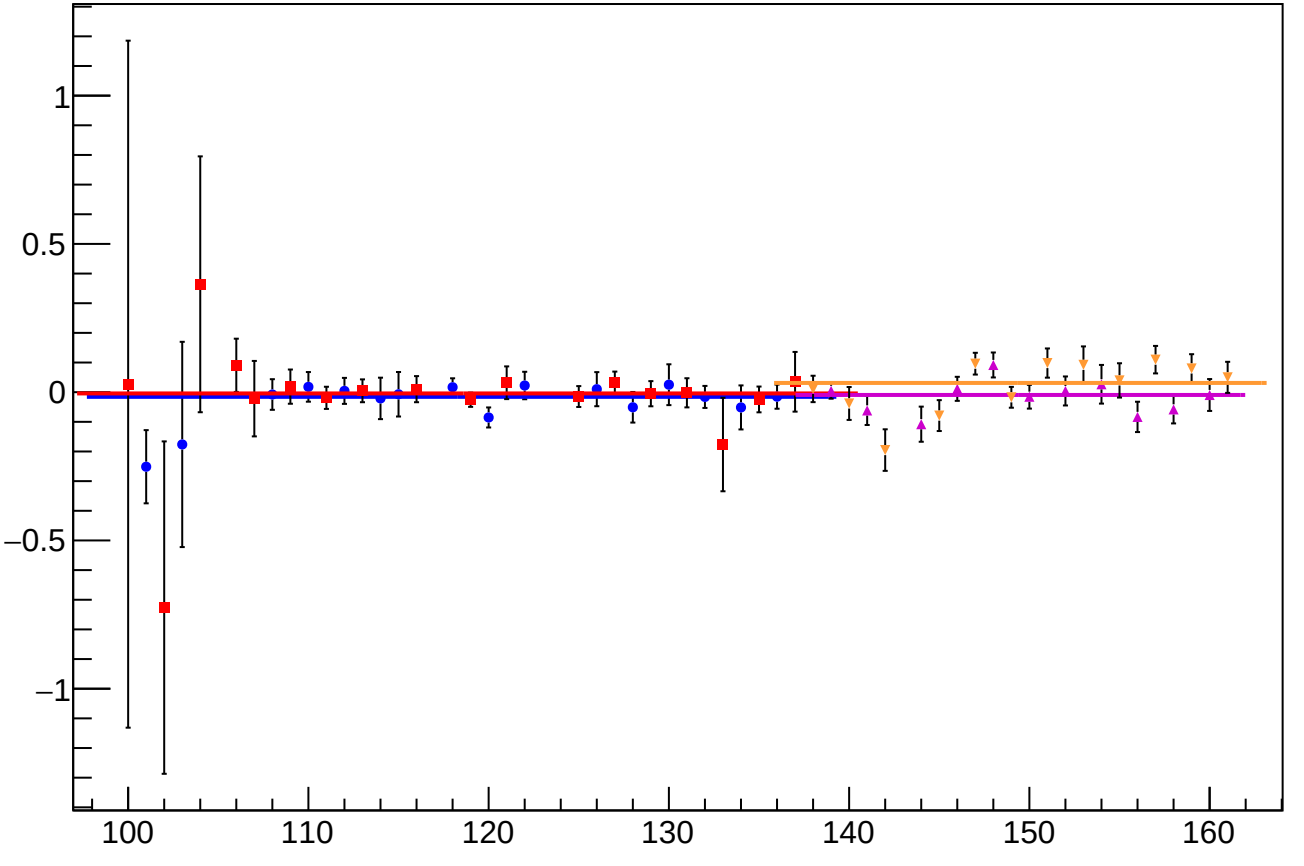
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.313+/-0.006 χ^2/NDF:4287899.8/26

Out: 30.784+/-0.006 χ^2/NDF:5082822.6/29

All: 31.534+/-0.004 χ^2/NDF: 9400143.0/56

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.031+/-0.014 χ^2/NDF:28.6/11

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/10

Left: 0.010+/-0.010 χ^2/NDF: 46.8/22

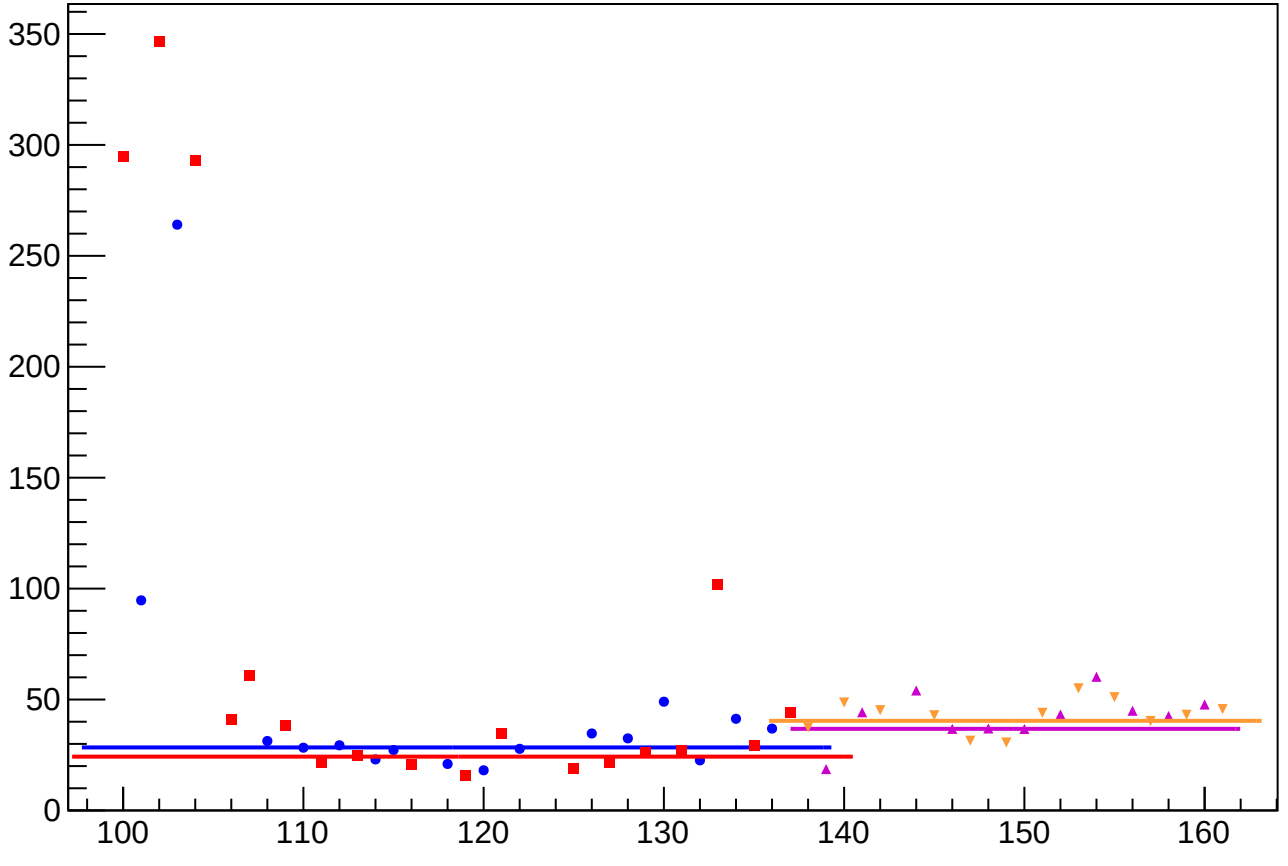
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.010+/-0.009 χ^2/NDF:40.3/29

All: -0.001+/-0.006 χ^2/NDF: 69.4/56

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.404+/-0.010 χ^2/NDF:557666.6/11

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

Left: 38.506+/-0.007 χ^2/NDF: 2239181.6/22

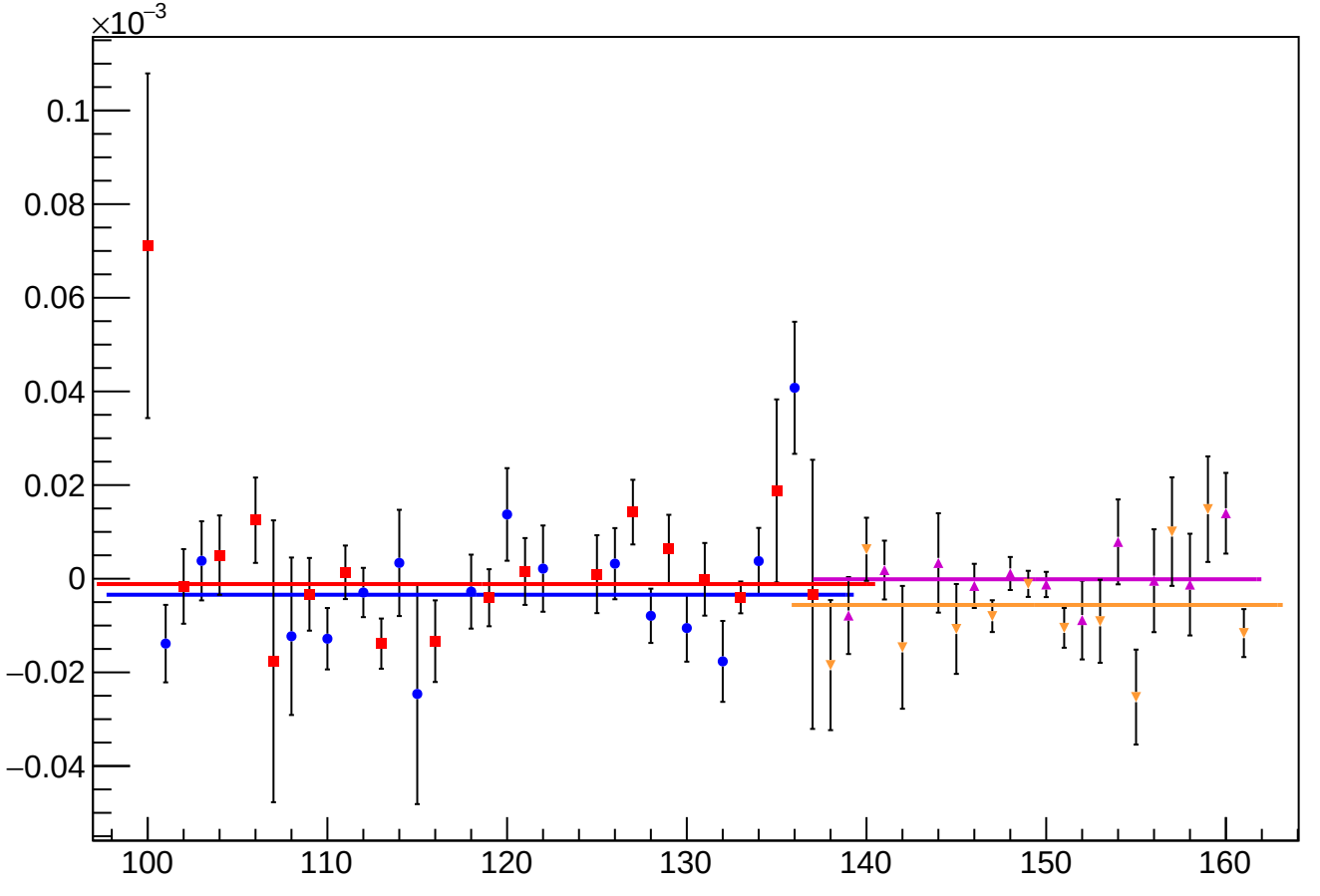
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.313+/-0.006 χ^2/NDF:4287899.8/26

Out: 30.784+/-0.006 χ^2/NDF:5082822.6/29

All: 31.534+/-0.004 χ^2/NDF: 9400143.0/56

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/10

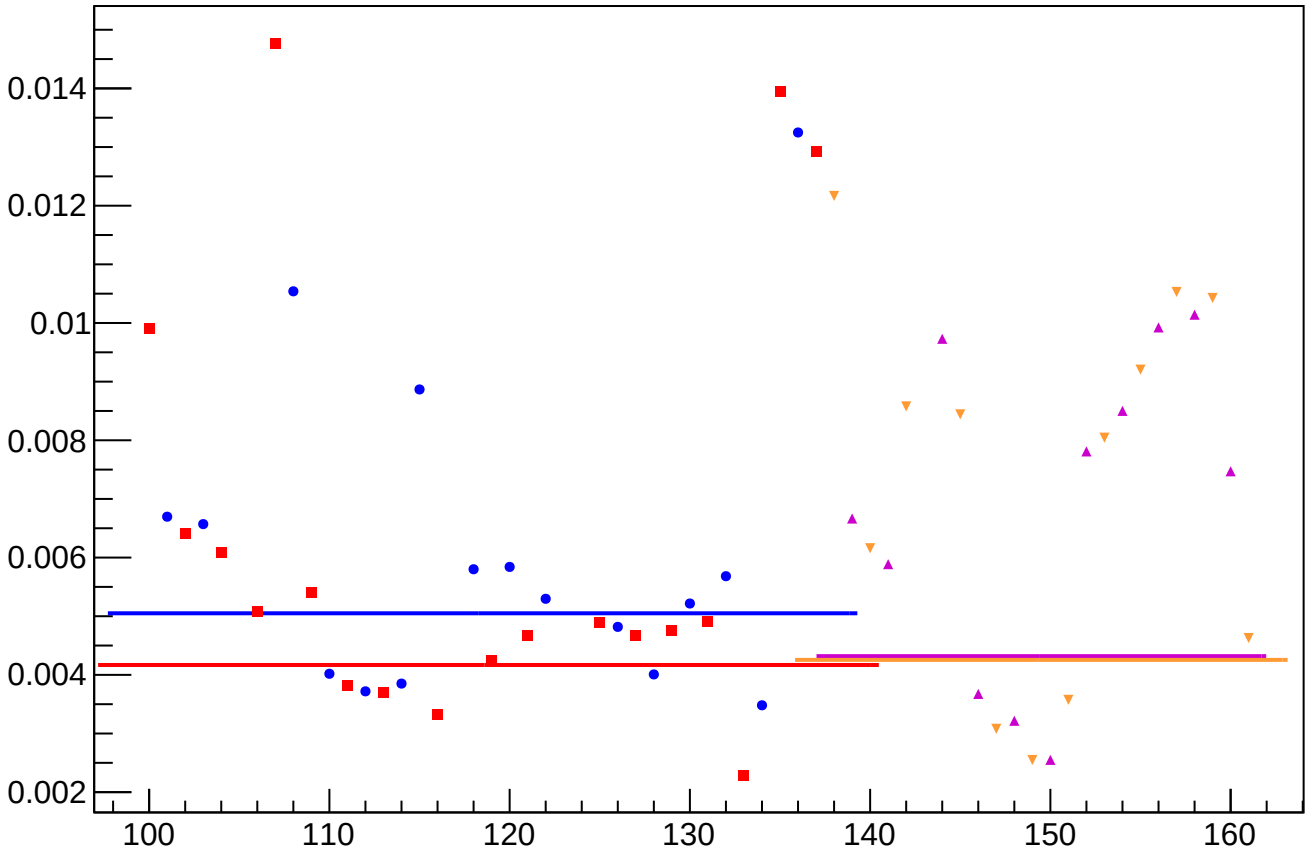
Left: -0.000+/-0.000 χ^2/NDF: 31.3/22

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:32.7/26

Out: -0.000+/-0.000 χ^2/NDF:46.2/29

All: -0.000+/-0.000 χ^2/NDF: 80.4/56



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4484219.3/11

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4034092.7/10

Left: 0.004+/-0.000 χ^2/NDF: 8519844.0/22

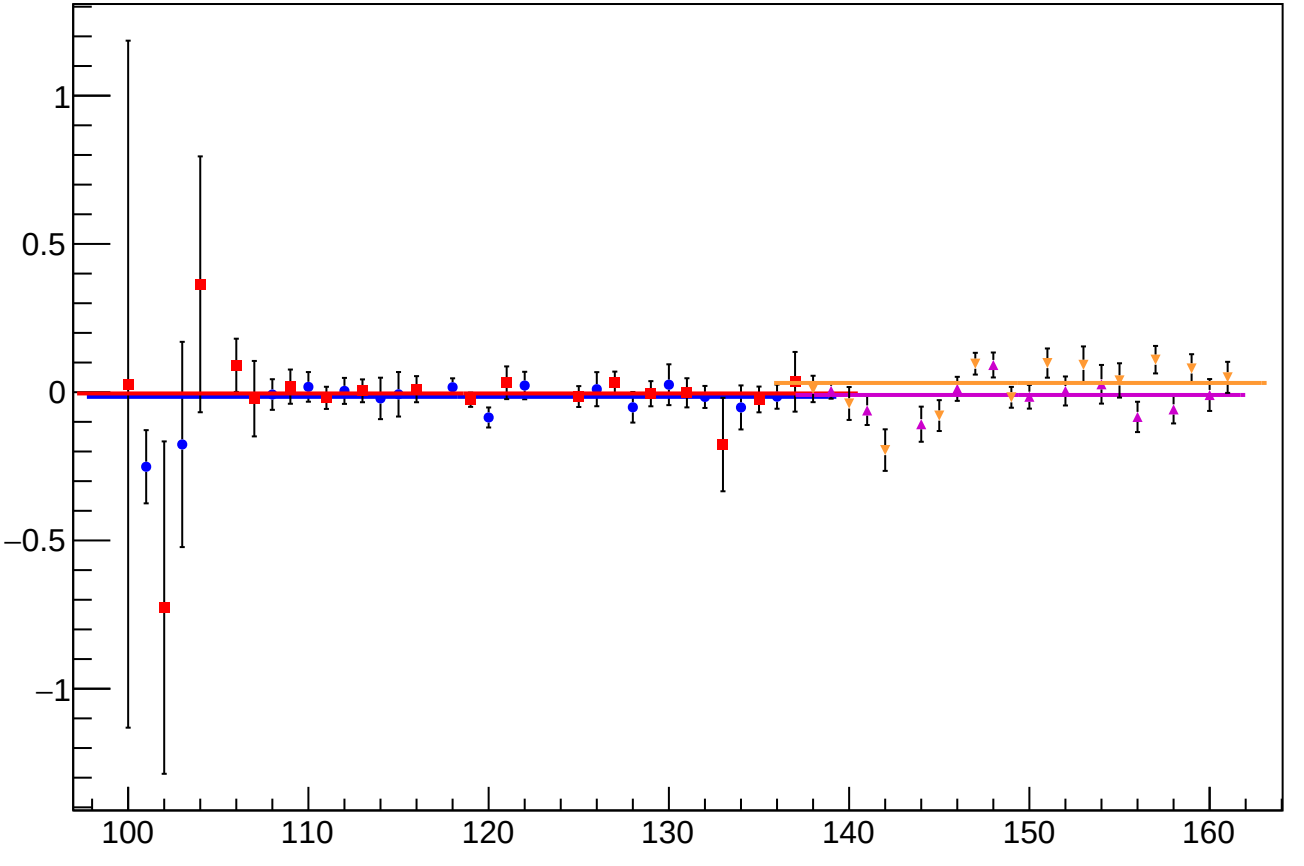
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5685136.5/26

Out: 0.004+/-0.000 χ^2/NDF:6528976.3/29

All: 0.004+/-0.000 χ^2/NDF: 12318809.8/56

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: 0.031+/-0.014 χ^2/NDF:28.6/11

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/10

Left: 0.010+/-0.010 χ^2/NDF: 46.8/22

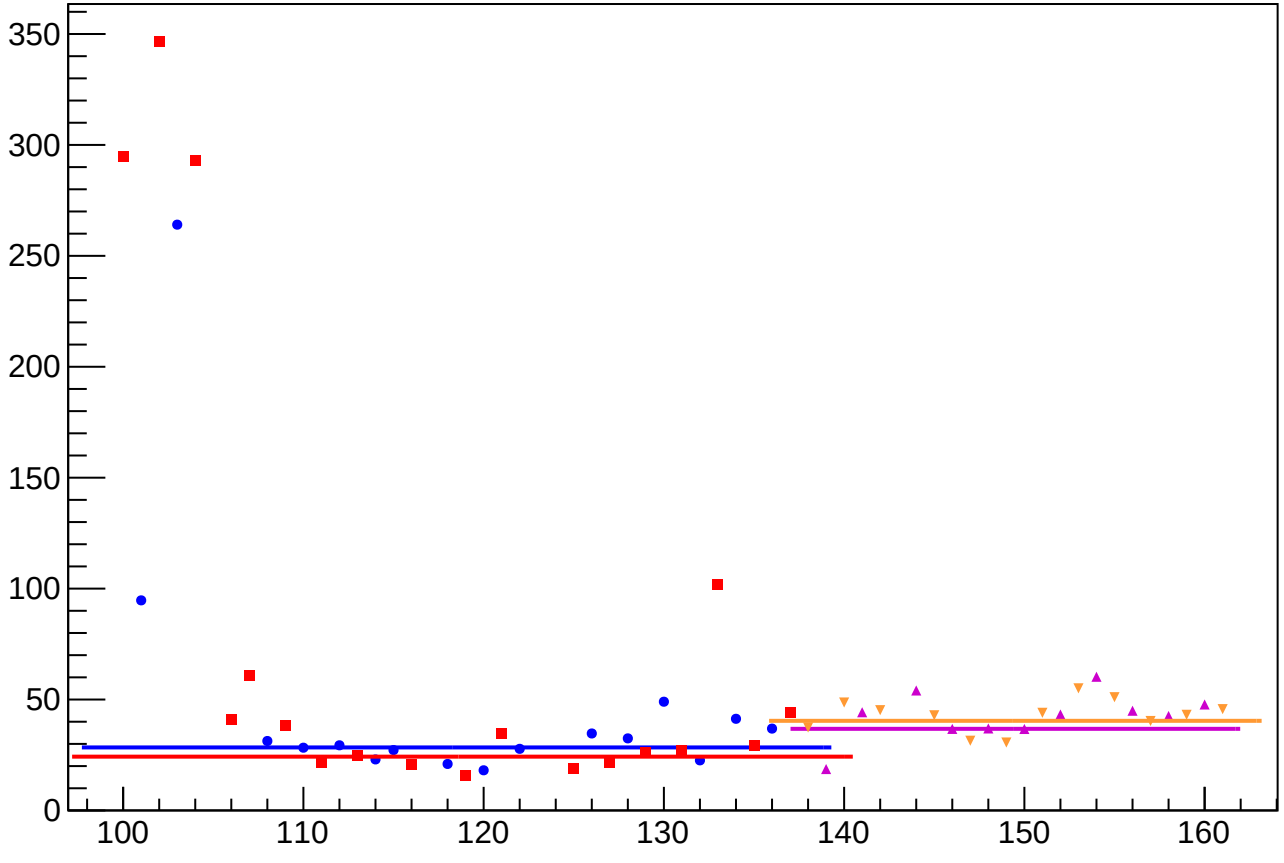
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.010+/-0.009 χ^2/NDF:40.3/29

All: -0.001+/-0.006 χ^2/NDF: 69.4/56

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.404+/-0.010 χ^2/NDF:557931.6/11

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.792+/-0.009 χ^2/NDF:1611128.7/10

Left: 38.505+/-0.007 χ^2/NDF: 2240197.4/22

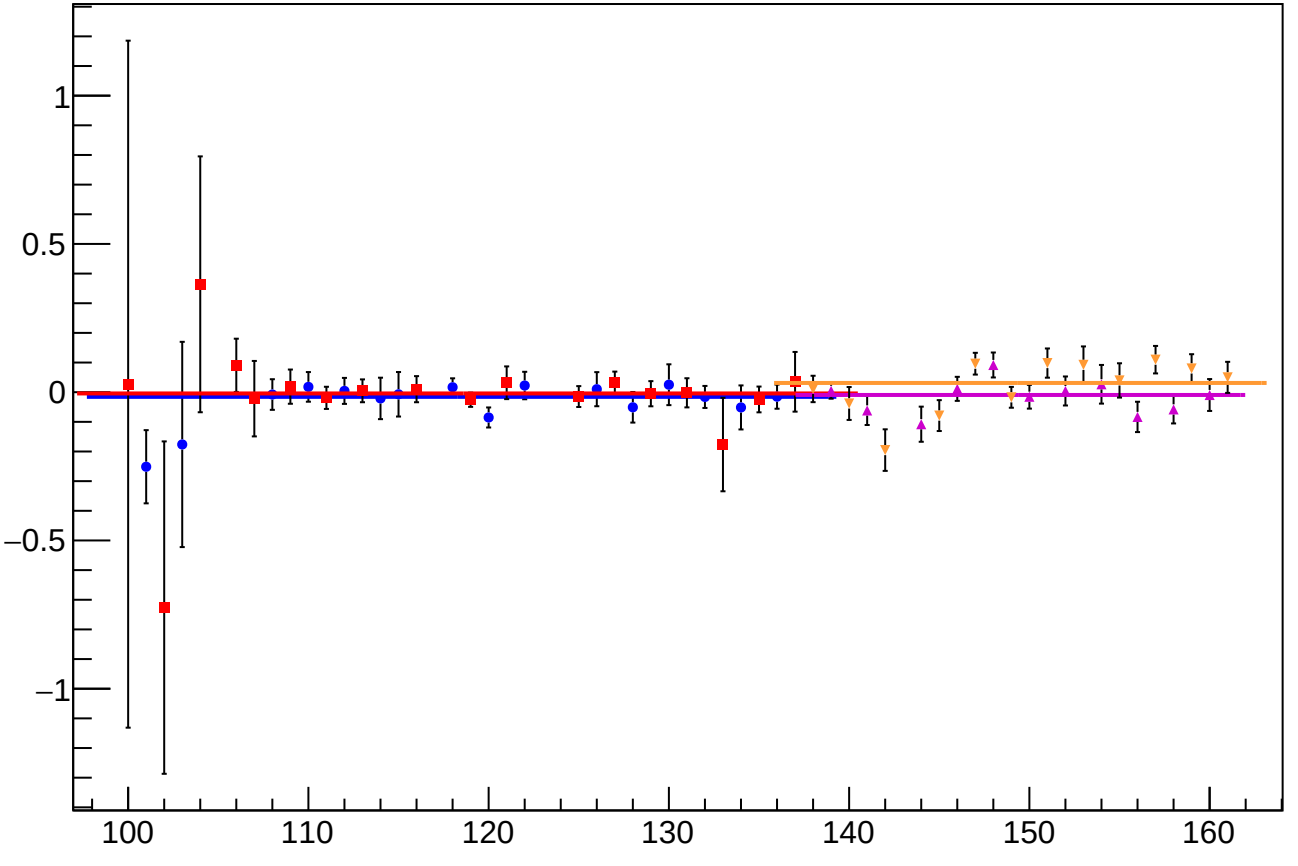
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.312+/-0.006 χ^2/NDF:4288500.2/26

Out: 30.782+/-0.006 χ^2/NDF:5083611.7/29

All: 31.532+/-0.004 χ^2/NDF: 9401566.7/56

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: 0.031+/-0.014 χ^2/NDF:28.6/11

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/10

Left: 0.010+/-0.010 χ^2/NDF: 46.8/22

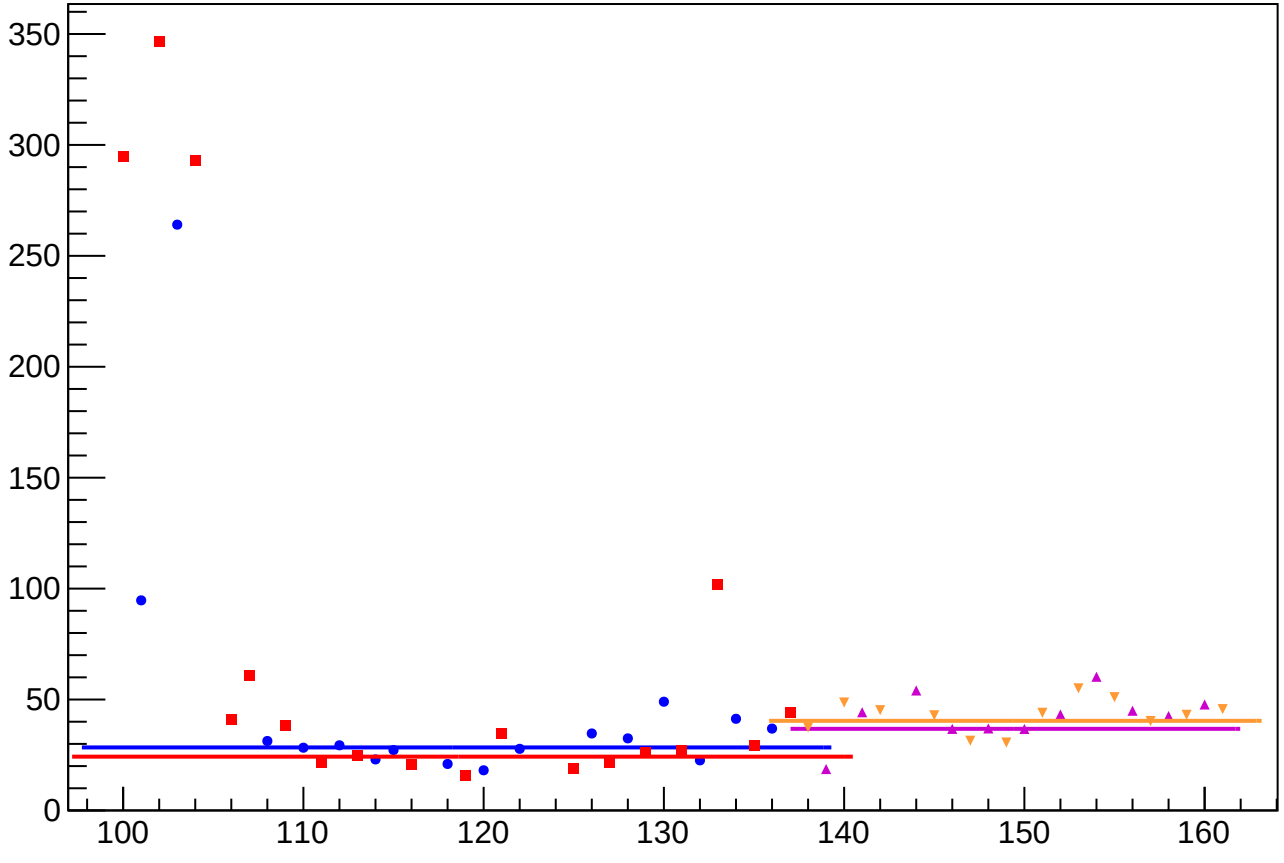
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.009 χ^2/NDF:25.8/26

Out: 0.010+/-0.009 χ^2/NDF:40.3/29

All: -0.001+/-0.006 χ^2/NDF: 69.4/56

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.404+/-0.010 χ^2/NDF:557931.6/11

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.792+/-0.009 χ^2/NDF:1611128.7/10

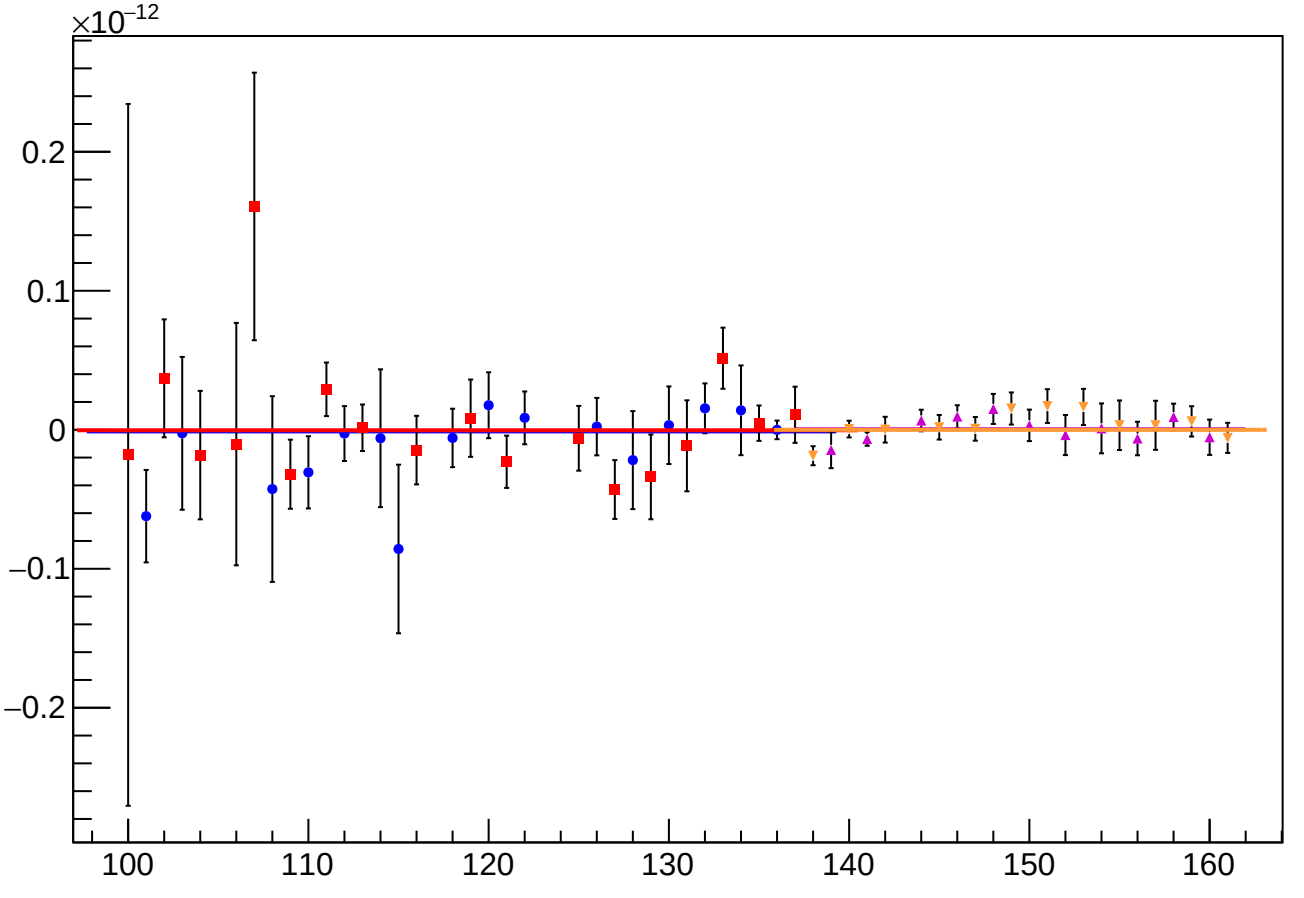
Left: 38.505+/-0.007 χ^2/NDF: 2240197.4/22

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.312+/-0.006 χ^2/NDF:4288500.2/26

Out: 30.782+/-0.006 χ^2/NDF:5083611.7/29

All: 31.532+/-0.004 χ^2/NDF: 9401566.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/10

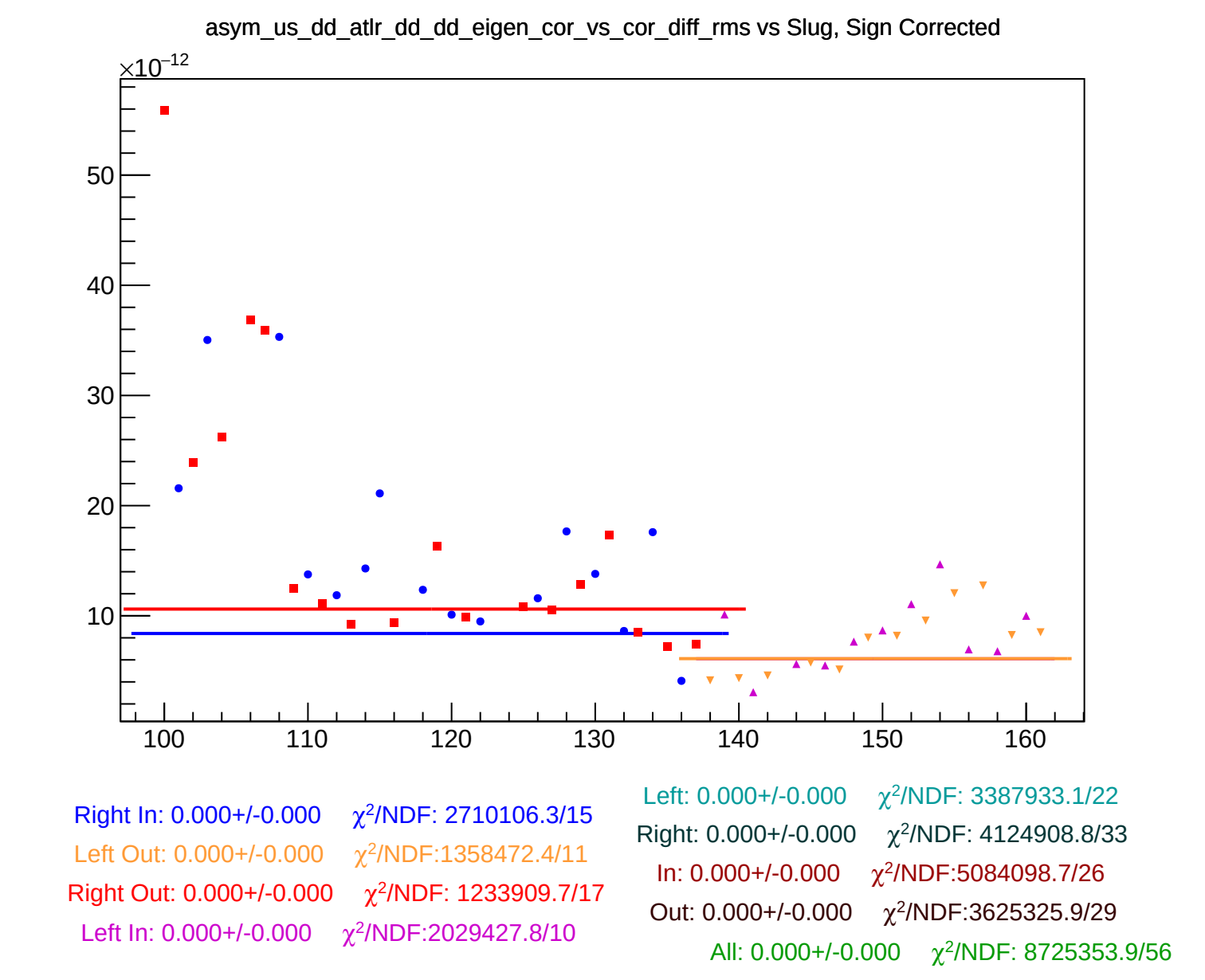
Left: 0.000+/-0.000 χ^2/NDF: 22.1/22

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

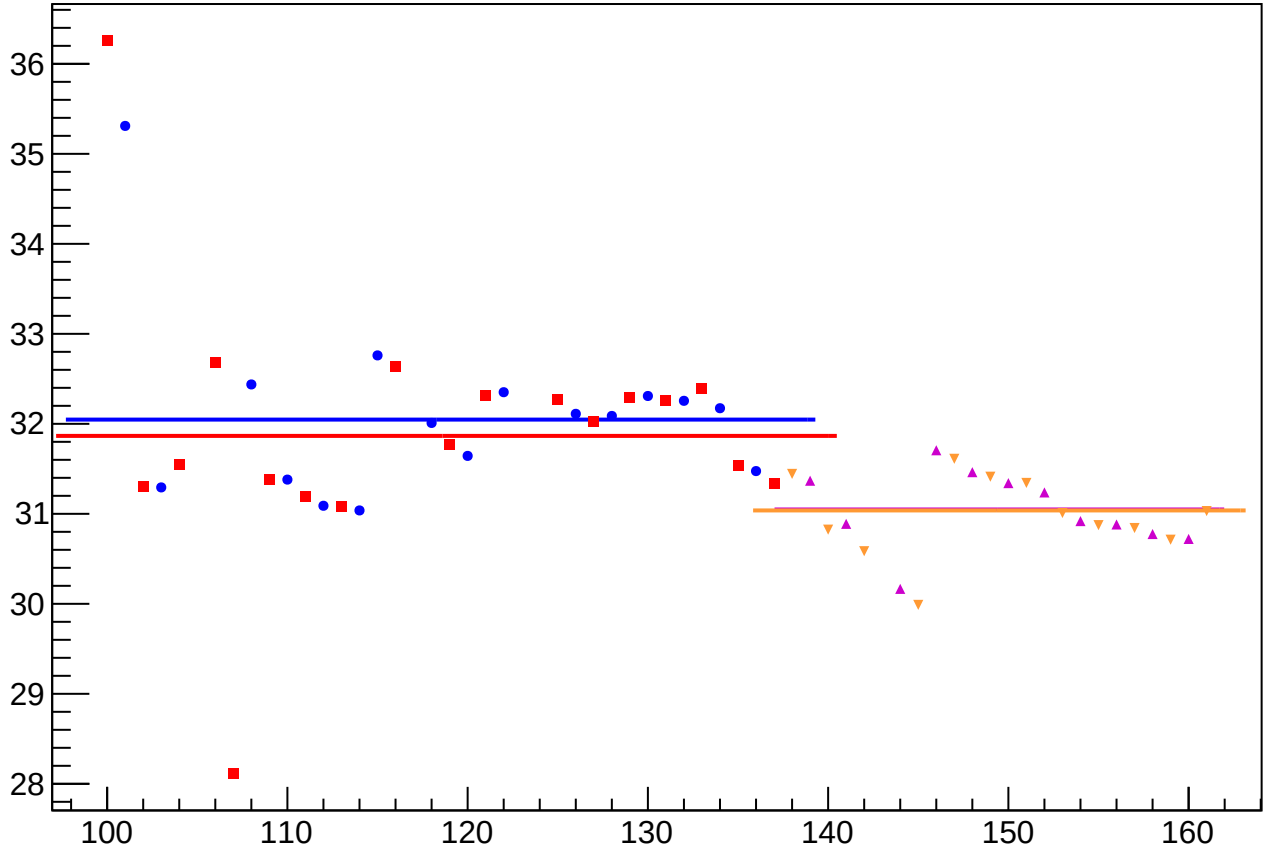
In: -0.000+/-0.000 χ^2/NDF:18.1/26

Out: -0.000+/-0.000 χ^2/NDF:34.5/29

All: -0.000+/-0.000 χ^2/NDF: 52.7/56


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1358472.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2029427.8/10
Left: 0.000+/-0.000 χ²/NDF: 3387933.1/22
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:5084098.7/26
Out: 0.000+/-0.000 χ²/NDF:3625325.9/29
All: 0.000+/-0.000 χ²/NDF: 8725353.9/56

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.038+/-0.000 χ^2/NDF:214013411.3/11

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.048+/-0.000 χ^2/NDF:219083416.9/10

Left: 31.043+/-0.000 χ^2/NDF: 433174829.2/22

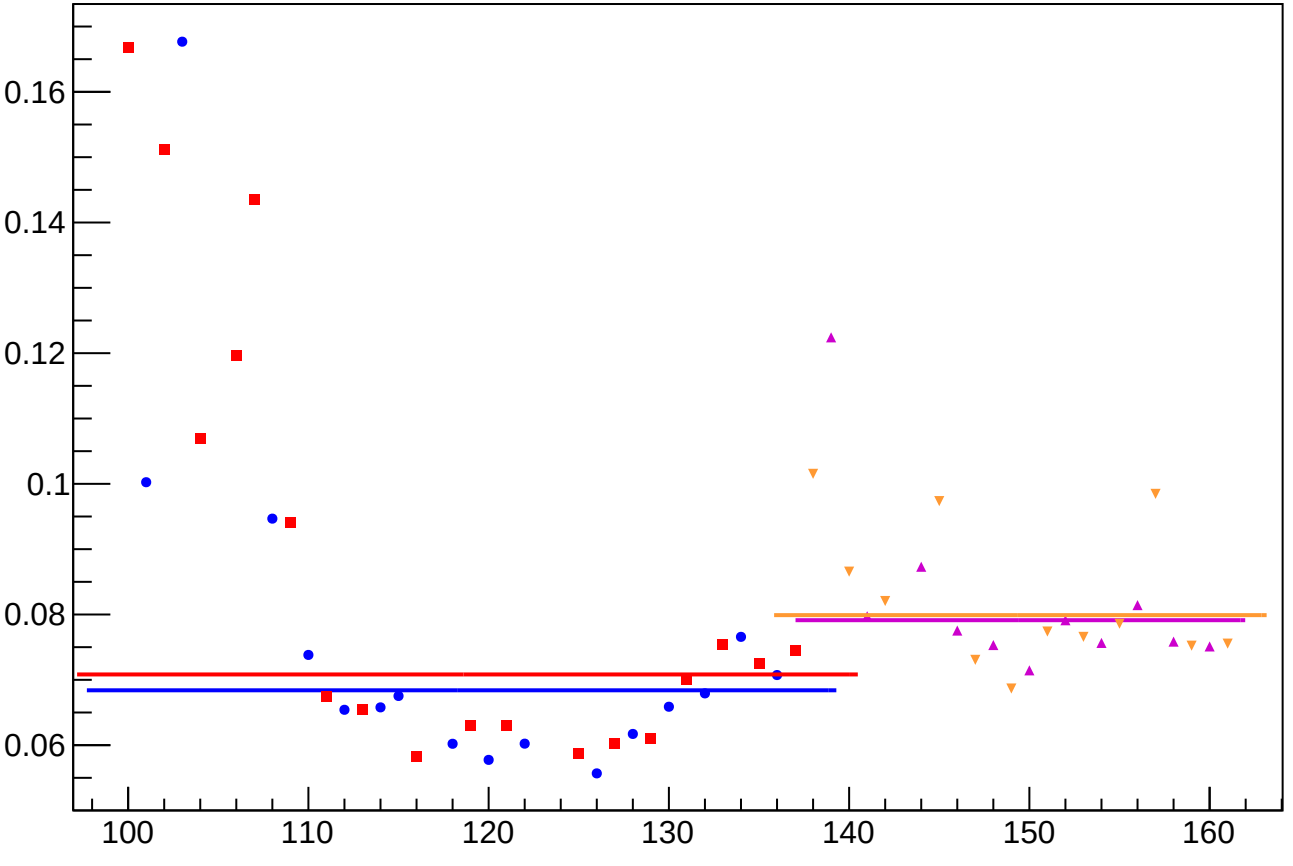
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.544+/-0.000 χ^2/NDF:1789144350.7/26

Out: 31.438+/-0.000 χ^2/NDF:1139726539.6/29

All: 31.493+/-0.000 χ^2/NDF: 2943695045.0/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:241168.8/11

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:246695.5/10

Left: 0.080+/-0.000 χ^2/NDF: 488669.5/22

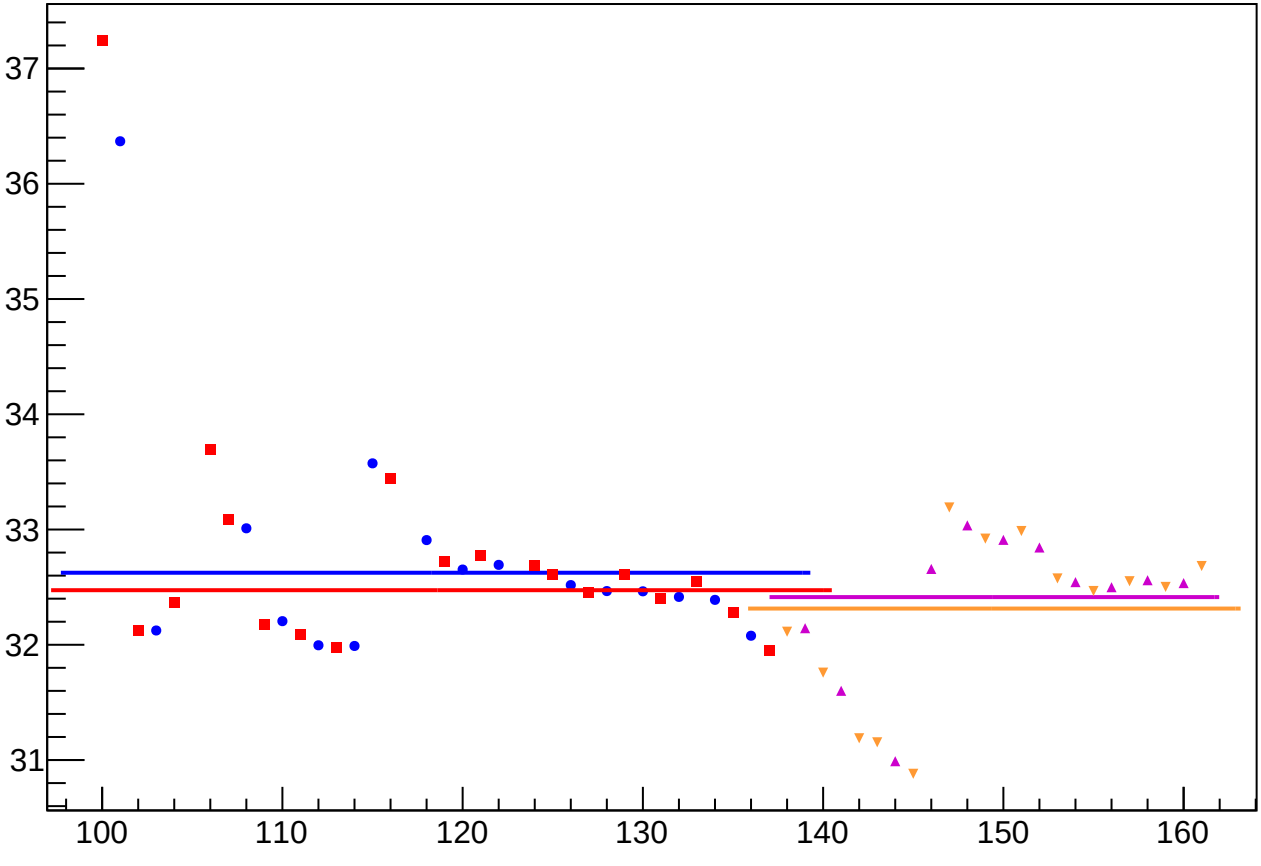
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1104953.5/26

Out: 0.076+/-0.000 χ^2/NDF:1215077.3/29

All: 0.075+/-0.000 χ^2/NDF: 2327751.0/56

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773270726.4/12

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.414+/-0.000 χ^2/NDF:520446798.0/10

Left: 32.363+/-0.000 χ^2/NDF: 1300905268.4/23

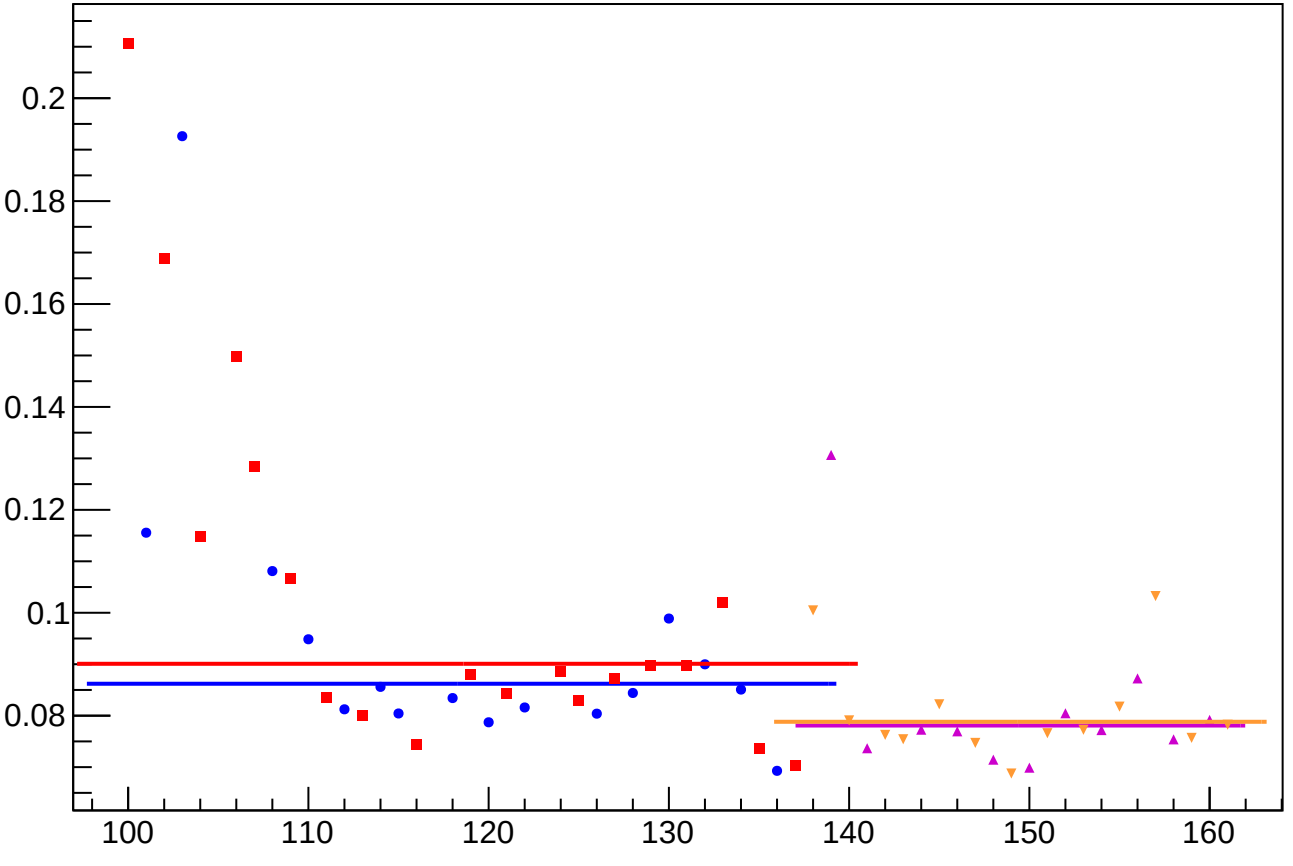
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.493+/-0.000 χ^2/NDF:1283235379.1/26

Out: 32.370+/-0.000 χ^2/NDF:943210135.7/31

All: 32.431+/-0.000 χ^2/NDF: 2243612752.2/5

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:194694.2/12

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:327077.2/10

Left: 0.078+/-0.000 χ^2/NDF: 522541.2/23

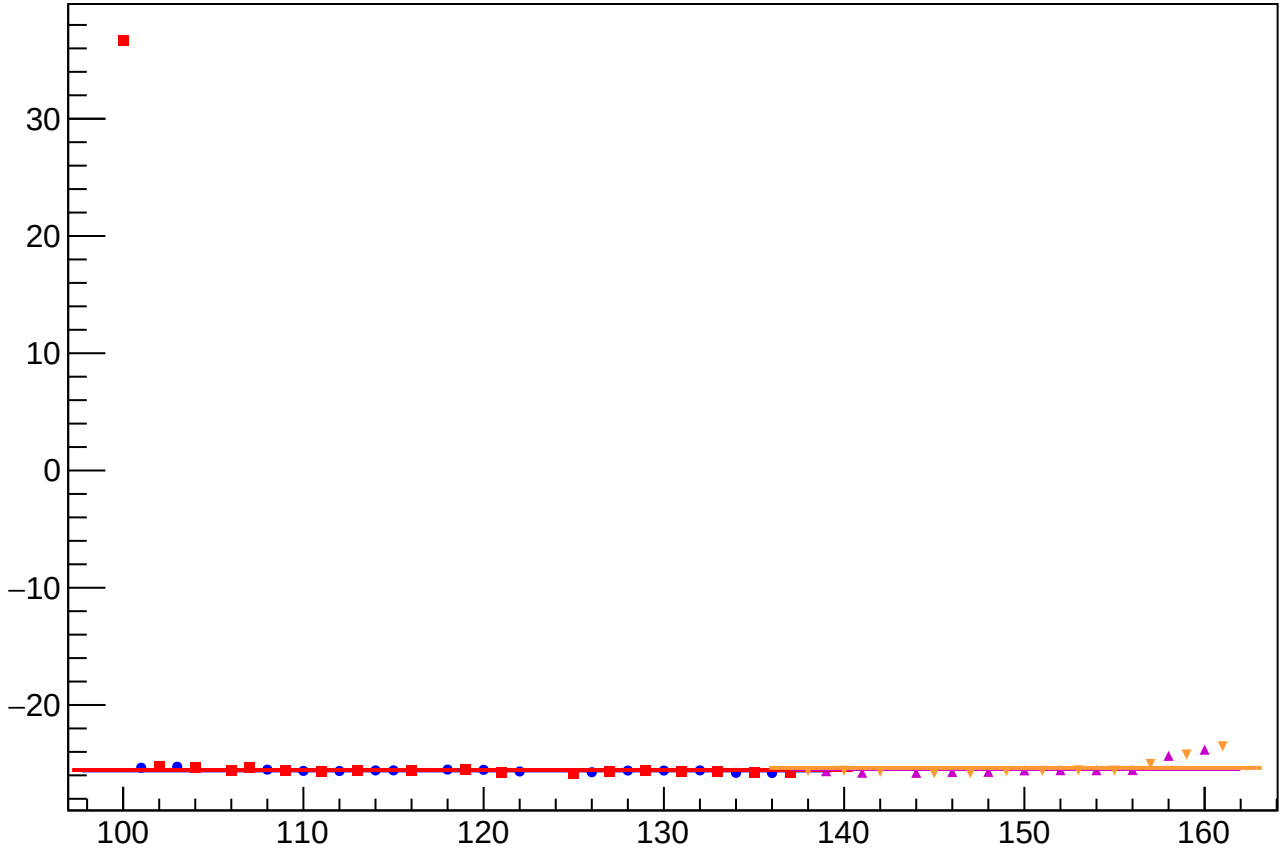
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:995609.4/26

Out: 0.083+/-0.000 χ^2/NDF:948116.4/31

All: 0.082+/-0.000 χ^2/NDF: 1949671.5/58

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.366+/-0.000 χ^2/NDF:2006942682.6/11

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.457+/-0.000 χ^2/NDF:1386578453.7/10

Left: -25.412+/-0.000 χ^2/NDF: 3413818721.3/22

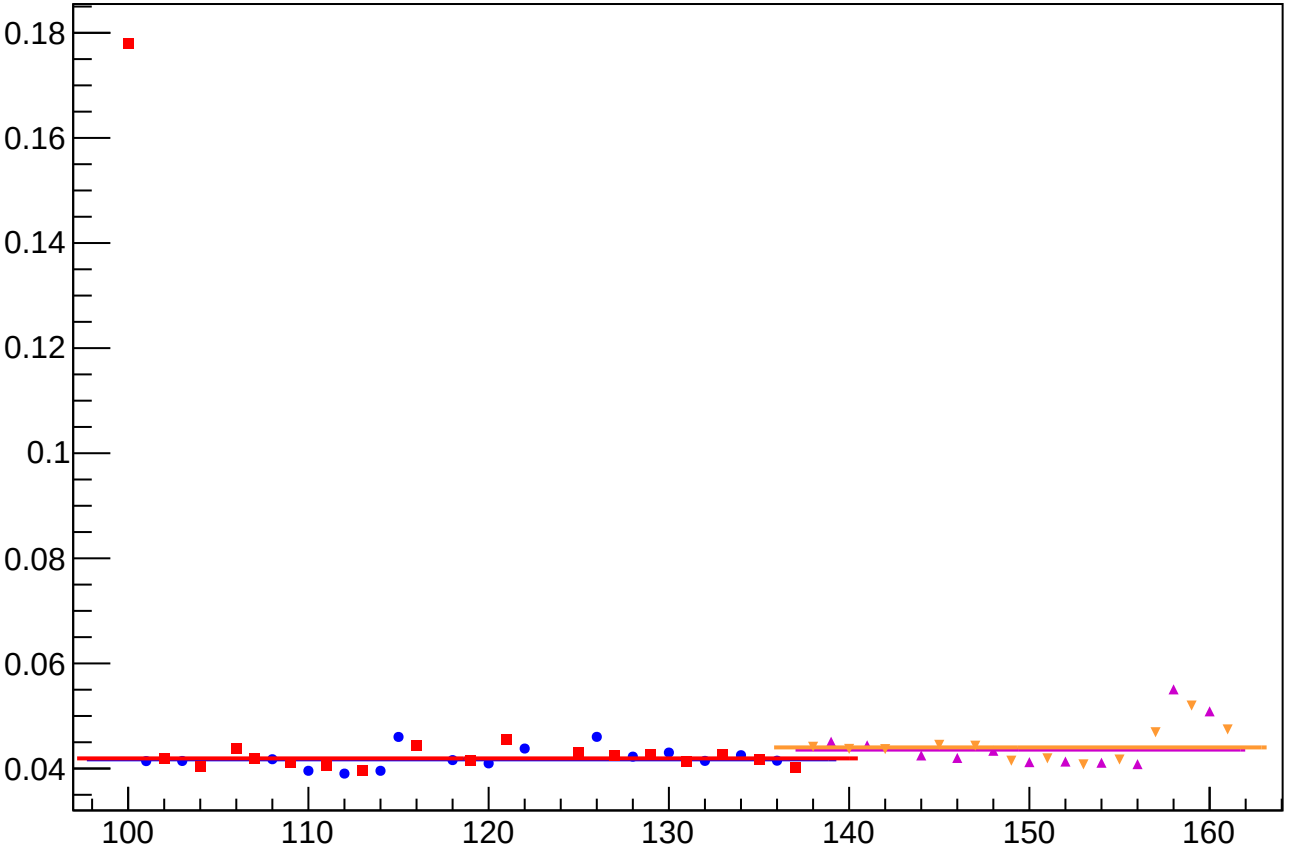
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.513+/-0.000 χ^2/NDF:1518042958.7/26

Out: -25.448+/-0.000 χ^2/NDF:10984621470.2/29

All: -25.481+/-0.000 χ^2/NDF: 12521556955.0

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:78972.1/11

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:137879.8/10

Left: 0.044+/-0.000 χ^2/NDF: 217696.4/22

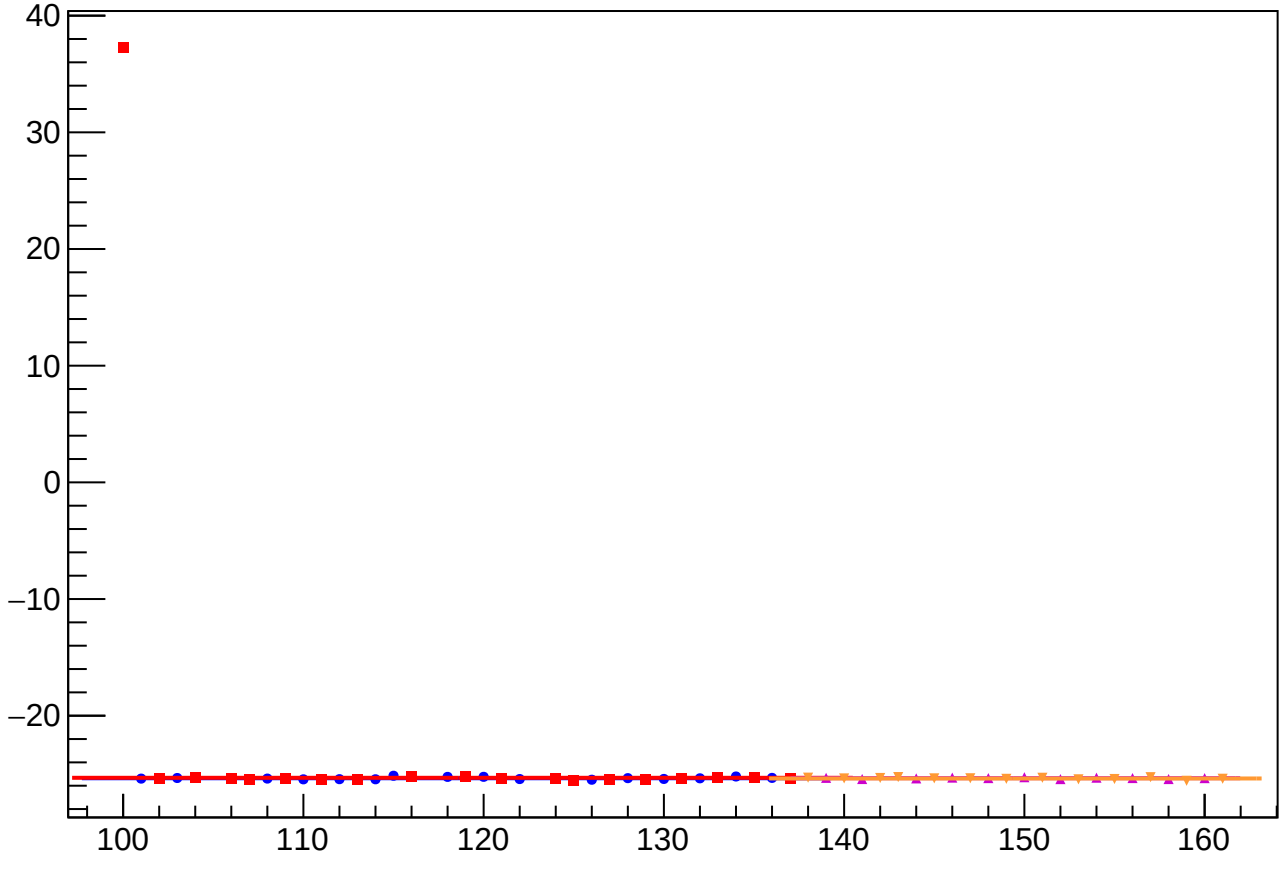
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:173985.5/26

Out: 0.043+/-0.000 χ^2/NDF:198512.8/29

All: 0.043+/-0.000 χ^2/NDF: 373296.9/56

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.380+/-0.000 χ^2/NDF:22179664.3/12

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.354+/-0.000 χ^2/NDF:7930465.8/10

Left: -25.367+/-0.000 χ^2/NDF: 31189021.7/23

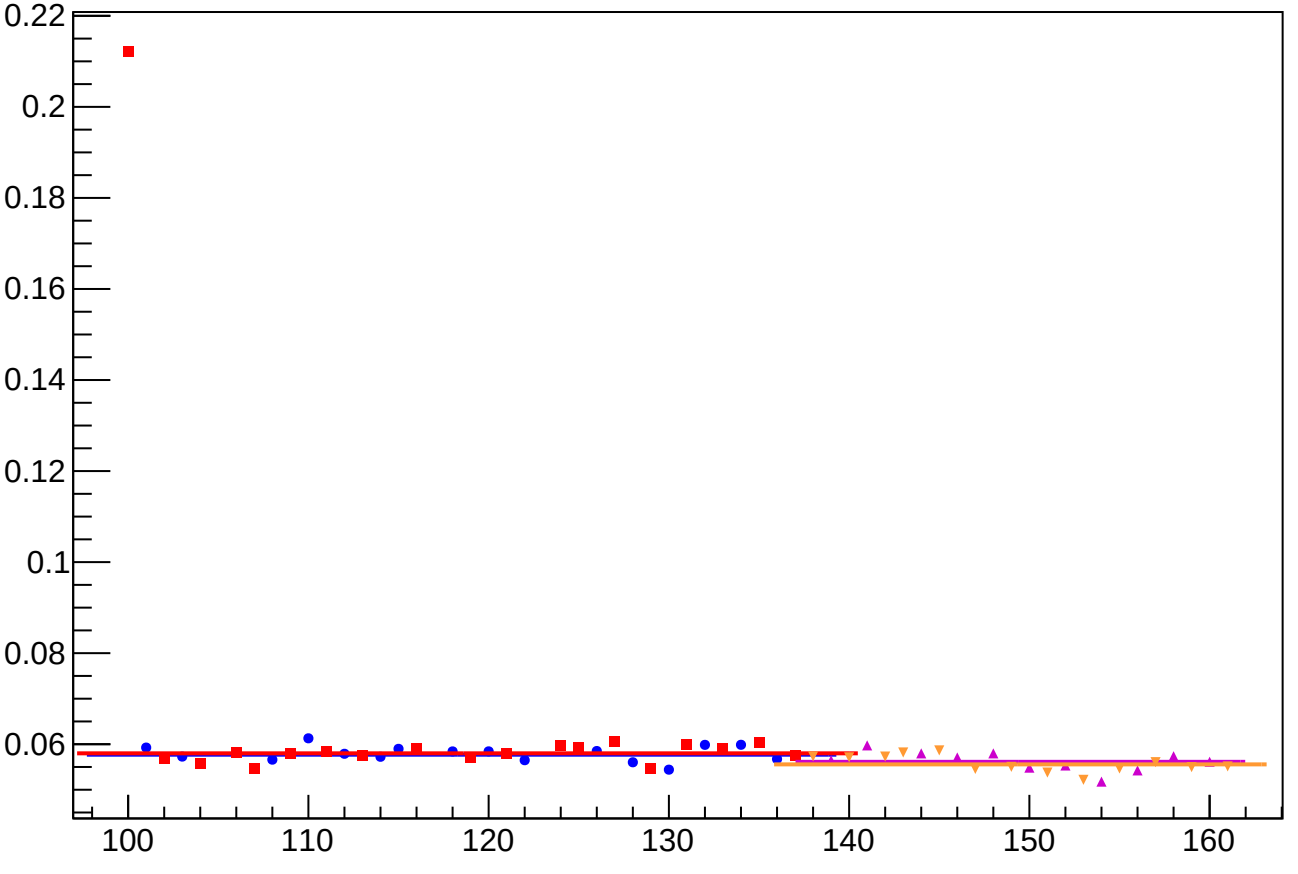
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.356+/-0.000 χ^2/NDF:21269764.4/26

Out: -25.357+/-0.000 χ^2/NDF:6341425855.2/31

All: -25.357+/-0.000 χ^2/NDF: 6362696435.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20957.5/12

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.9/10

Left: 0.056+/-0.000 χ^2/NDF: 48098.4/23

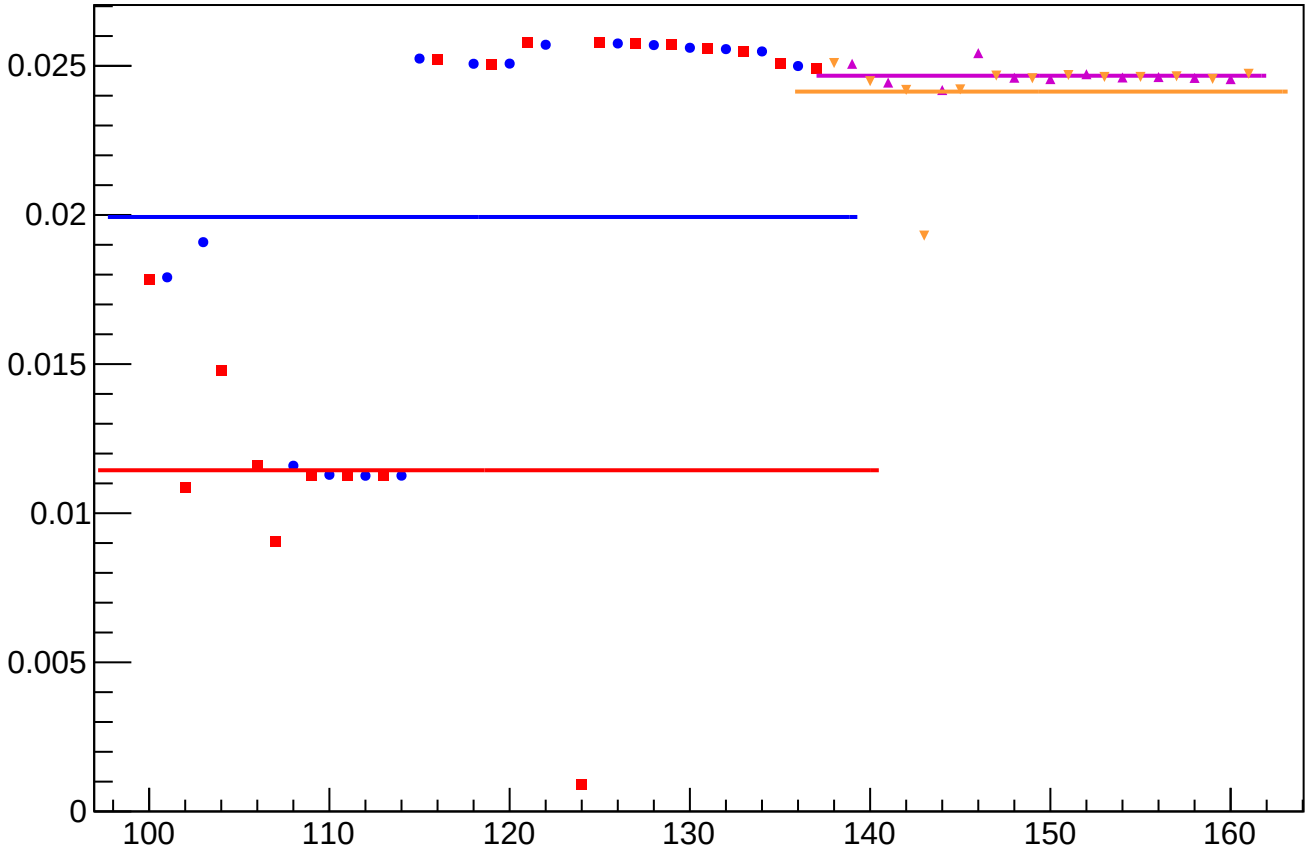
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:43995.5/26

Out: 0.057+/-0.000 χ^2/NDF:124831.8/31

All: 0.057+/-0.000 χ^2/NDF: 169140.4/58

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4660175820.7/12

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:158631104.5/10

Left: 0.024+/-0.000 χ^2/NDF: 5084639388.7/23

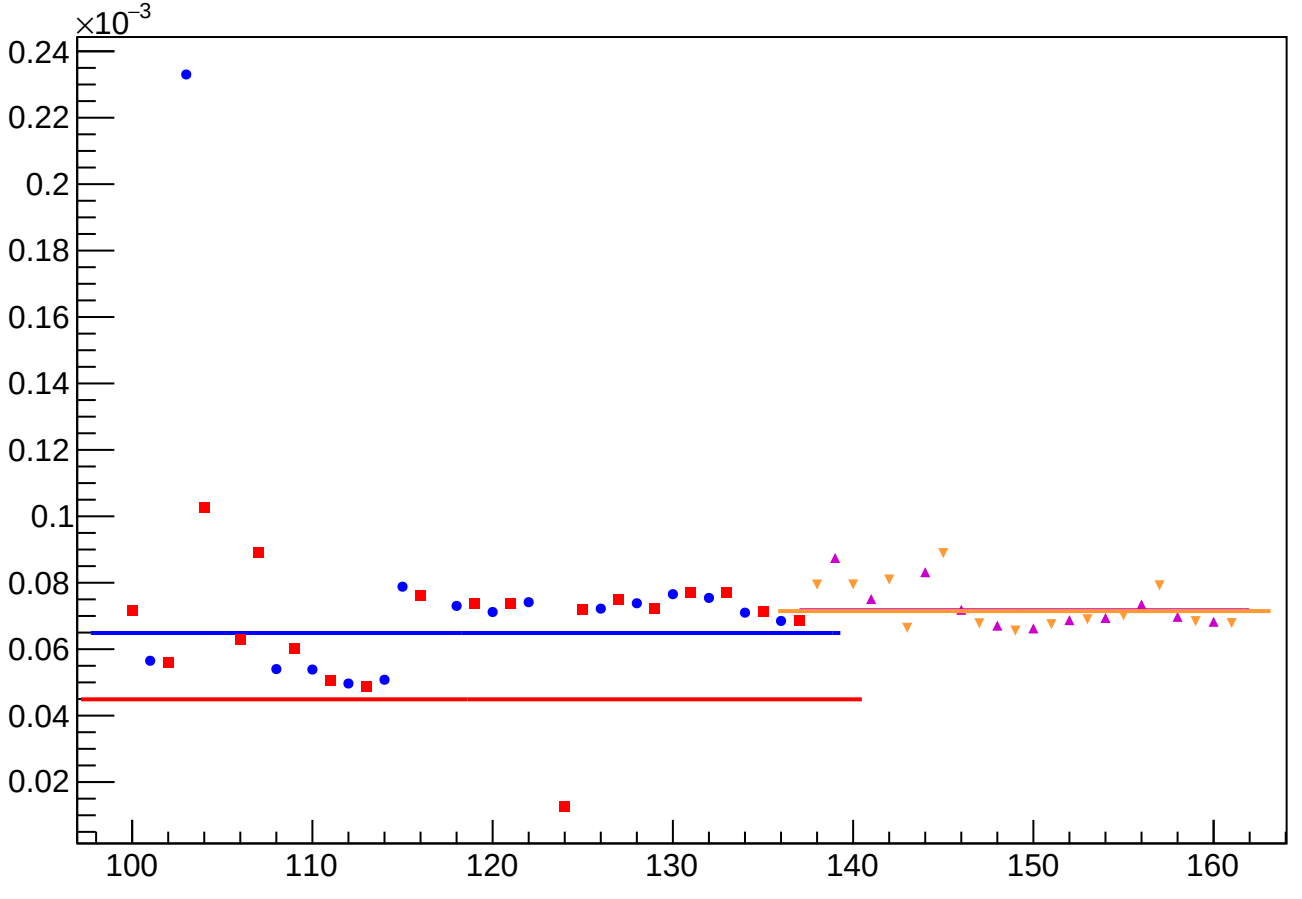
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:81372424577.0/26

Out: 0.017+/-0.000 χ^2/NDF:436325835533.0/31

All: 0.019+/-0.000 χ^2/NDF: 575395155981.1

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:161199.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:120253.2/10

Left: 0.000+/-0.000 χ^2/NDF: 281577.9/23

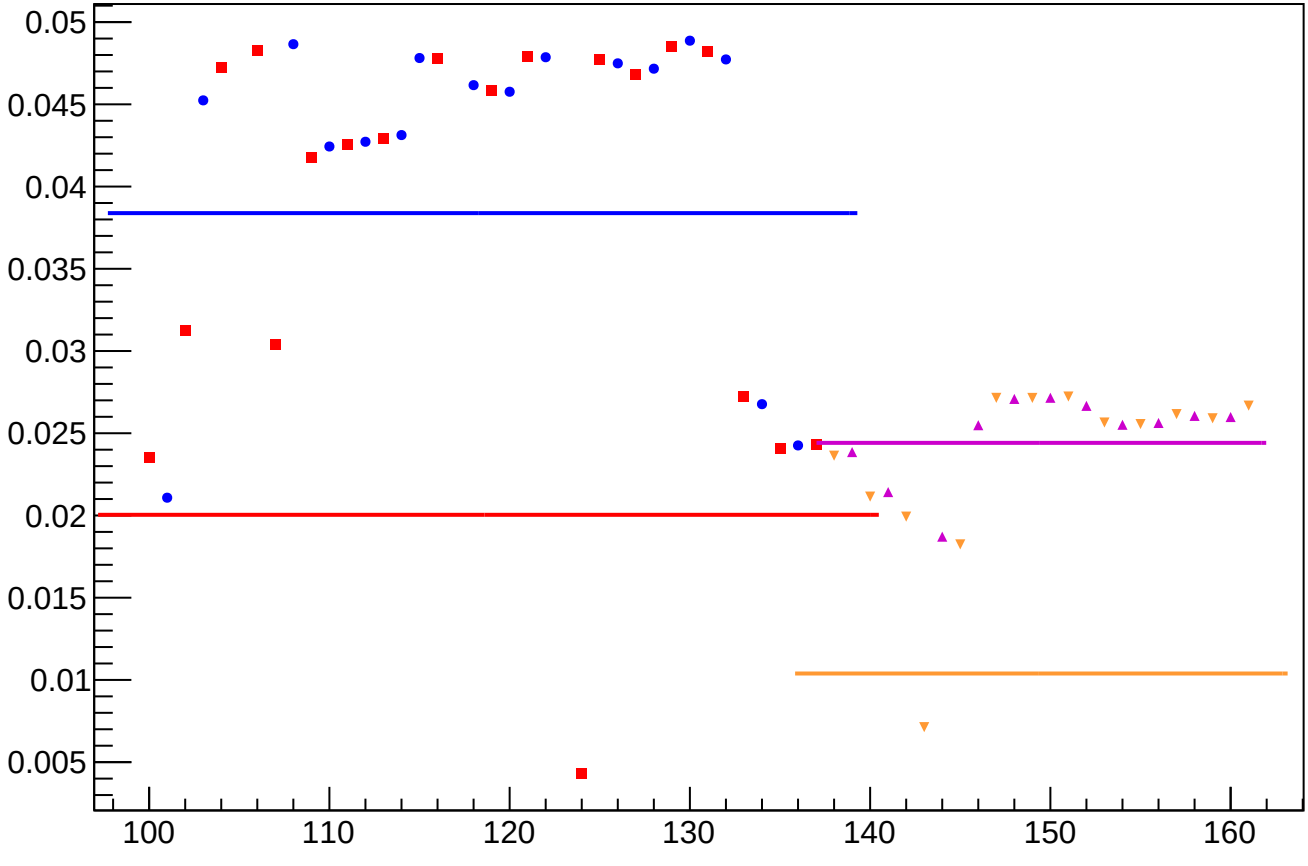
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015651.9/26

Out: 0.000+/-0.000 χ^2/NDF:5487784.2/31

All: 0.000+/-0.000 χ^2/NDF: 7059027.4/58

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:25458618340.1/12

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:904145100.9/10

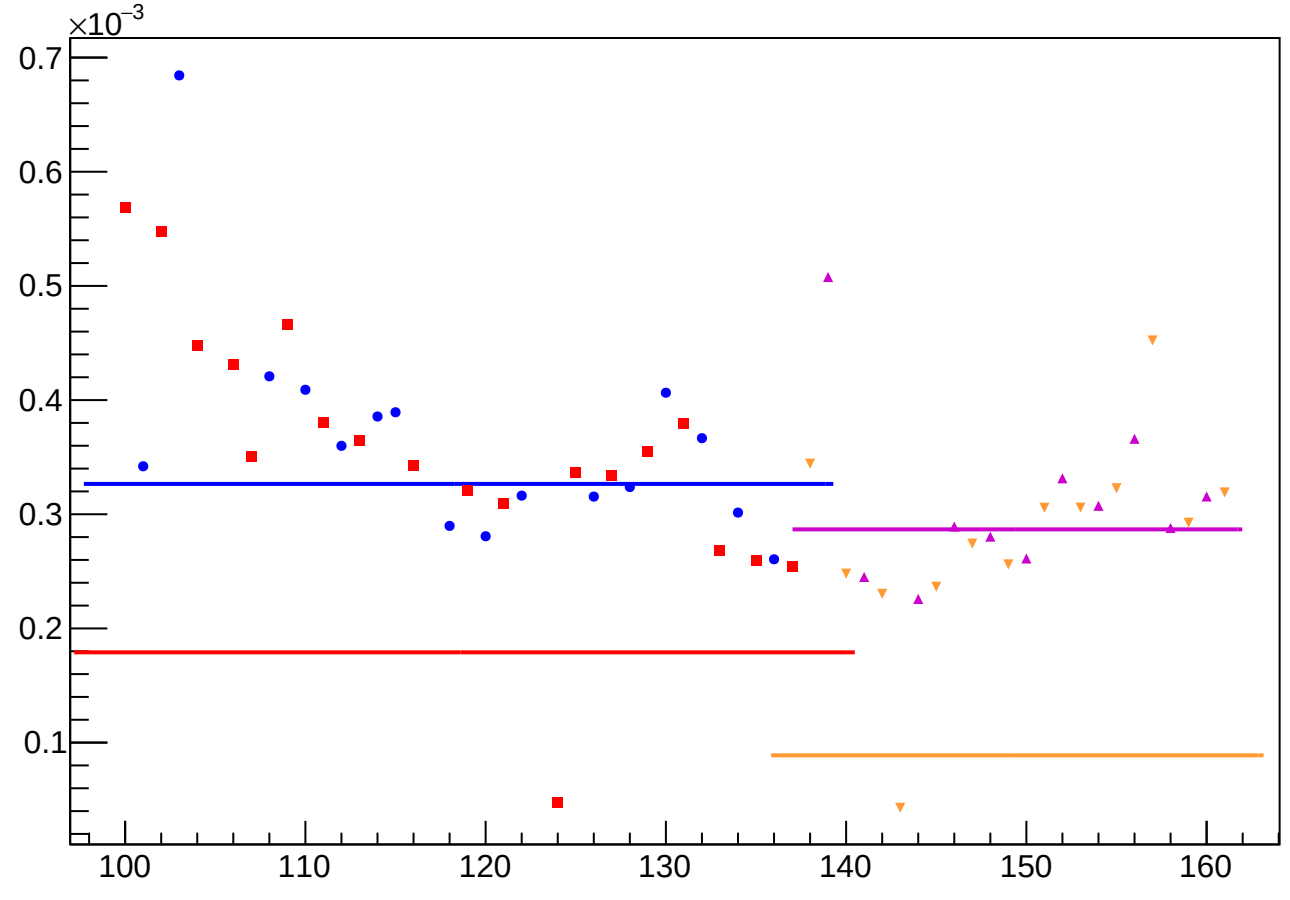
Left: 0.013+/-0.000 χ^2/NDF: 43215375799.8/23

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:15291457833.0/26

Out: 0.012+/-0.000 χ^2/NDF:76905863423.2/31

All: 0.016+/-0.000 χ^2/NDF: 131276521863.7



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10098347.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:598372.5/10

Left: 0.000+/-0.000 χ^2/NDF: 17409338.9/23

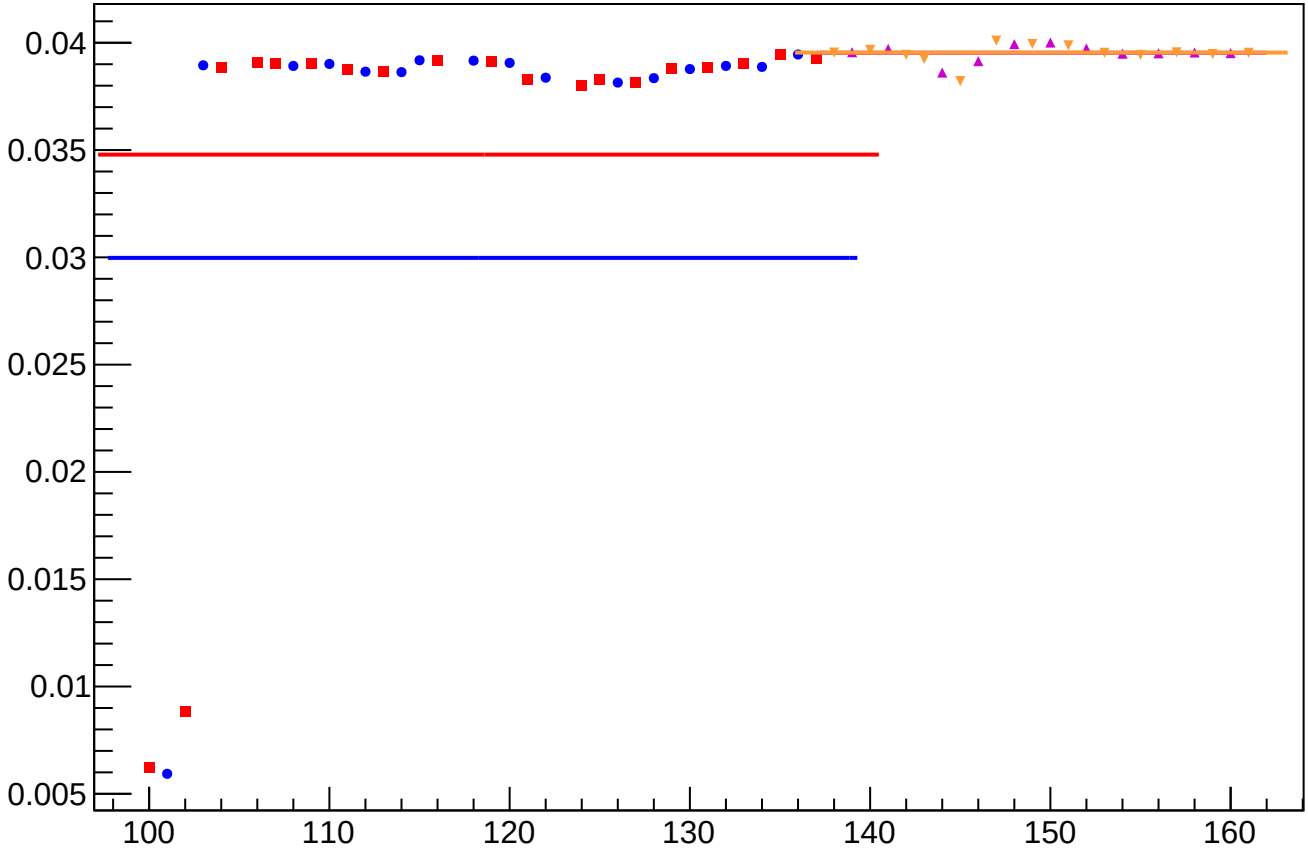
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1298558.2/26

Out: 0.000+/-0.000 χ^2/NDF:17378150.0/31

All: 0.000+/-0.000 χ^2/NDF: 28611562.5/58

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:93088314.2/12

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65860157.7/10

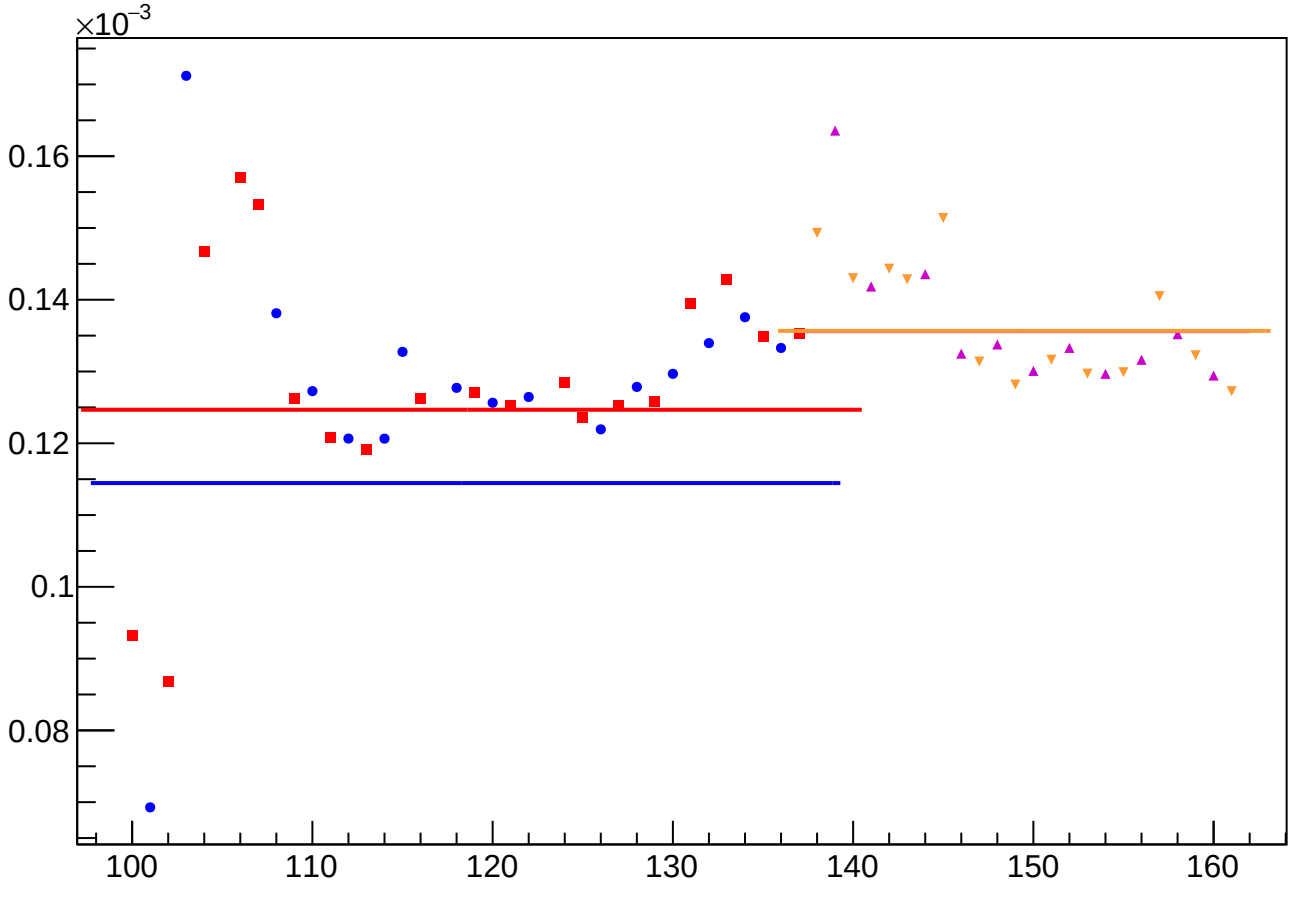
Left: 0.040+/-0.000 χ^2/NDF: 158968916.8/23

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:131424835625.4/26

Out: 0.037+/-0.000 χ^2/NDF:52898236299.9/31

All: 0.036+/-0.000 χ^2/NDF: 187876969193.1



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:66140.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:70561.5/10

Left: 0.000+/-0.000 χ^2/NDF: 136702.2/23

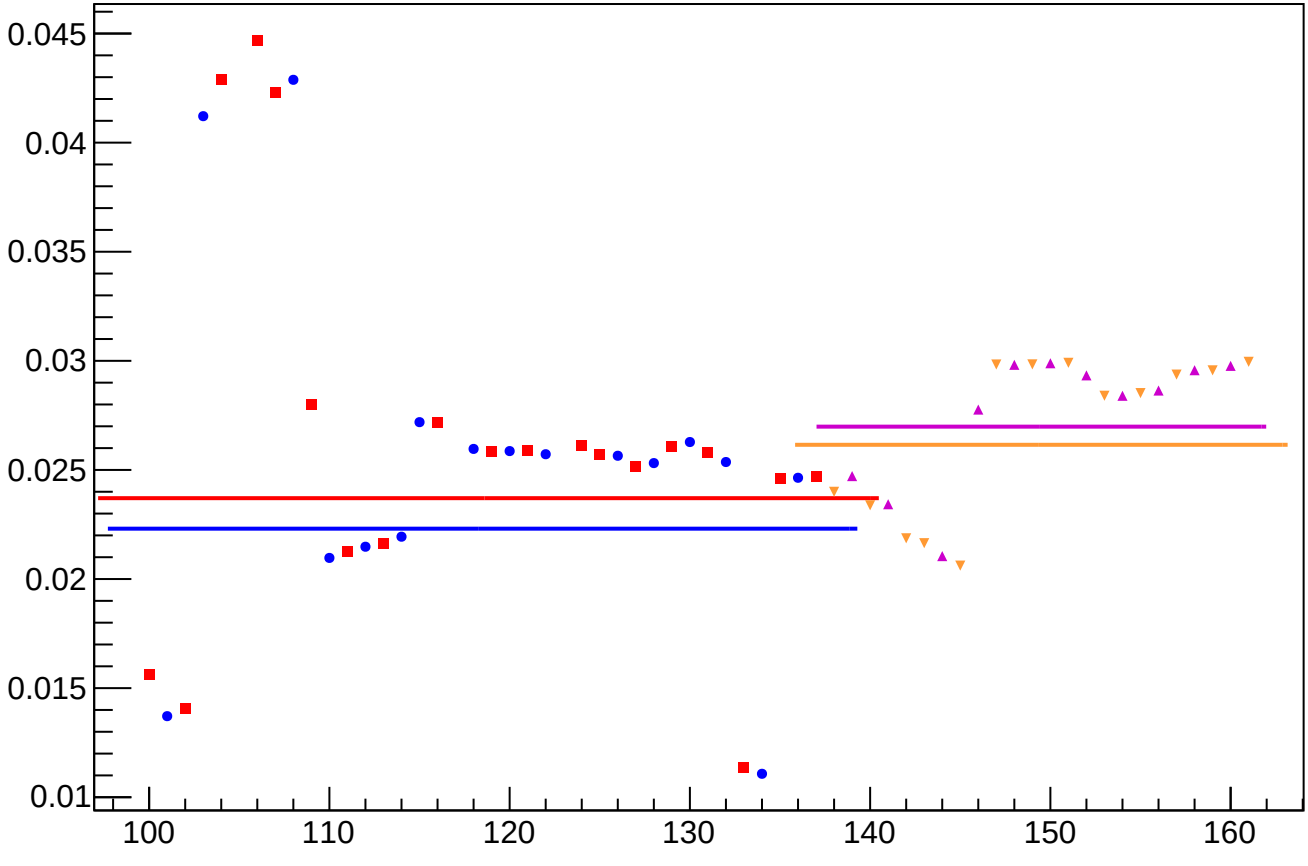
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1150153.1/26

Out: 0.000+/-0.000 χ^2/NDF:385754.2/31

All: 0.000+/-0.000 χ^2/NDF: 1568538.4/58

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1735690331.9/12

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1190615623.4/10

Left: 0.027+/-0.000 χ^2/NDF: 2965635708.7/23

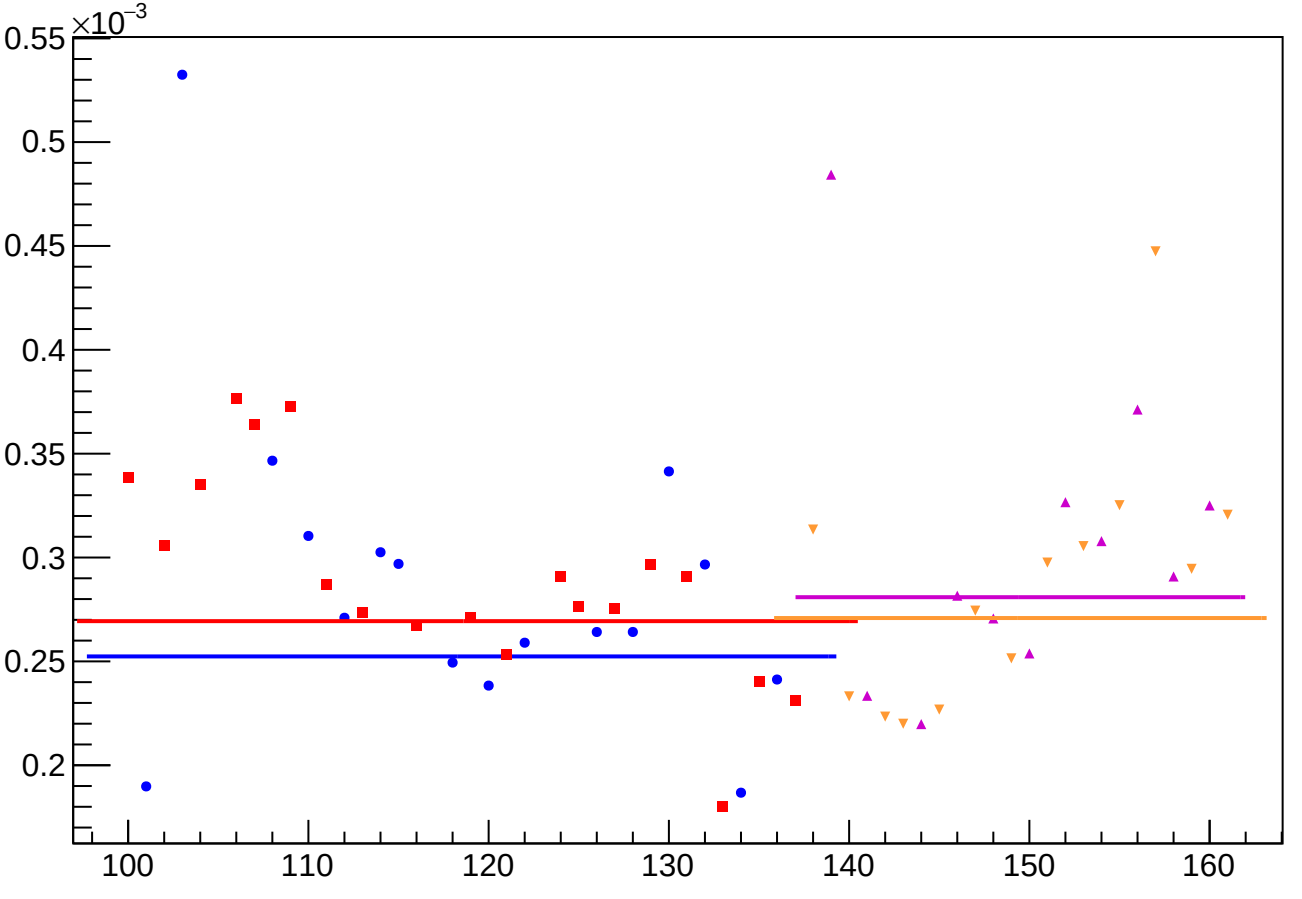
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7321336657.9/26

Out: 0.025+/-0.000 χ^2/NDF:7625295655.9/31

All: 0.025+/-0.000 χ^2/NDF: 14961011880.2/5

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:556142.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:657626.3/10

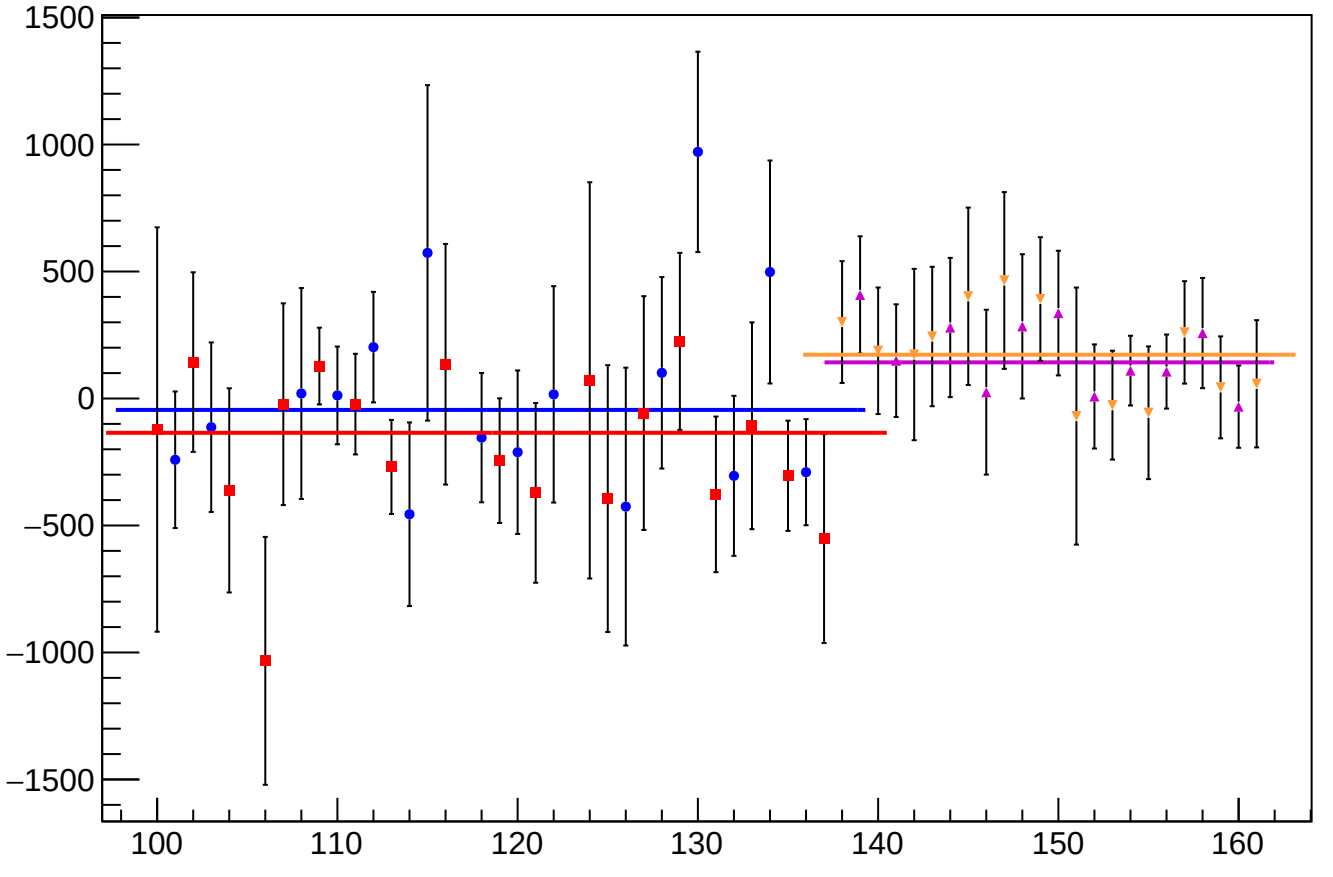
Left: 0.000+/-0.000 χ^2/NDF: 1225212.8/23

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1448661.7/26

Out: 0.000+/-0.000 χ^2/NDF:1002732.0/31

All: 0.000+/-0.000 χ^2/NDF: 2453251.5/58



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 172.369+/-71.686 χ^2/NDF:5.0/12

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 142.322+/-60.395 χ^2/NDF:4.6/10

Left: 154.795+/-46.188 χ^2/NDF: 9.6/23

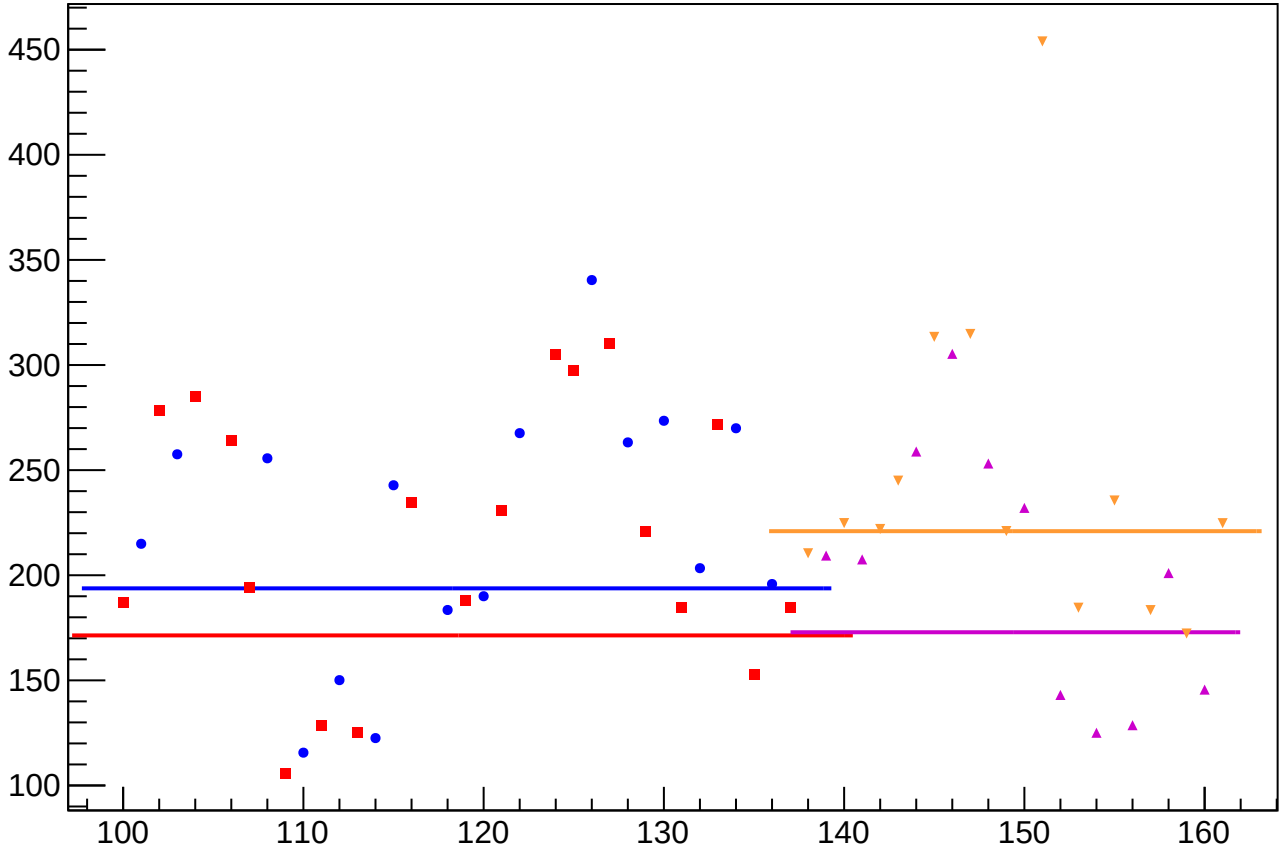
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 70.080+/-47.331 χ^2/NDF:23.7/26

Out: 10.720+/-49.359 χ^2/NDF:27.6/31

All: 41.644+/-34.162 χ^2/NDF: 52.1/58

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.966+/-0.051 χ^2/NDF:980320.3/12

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

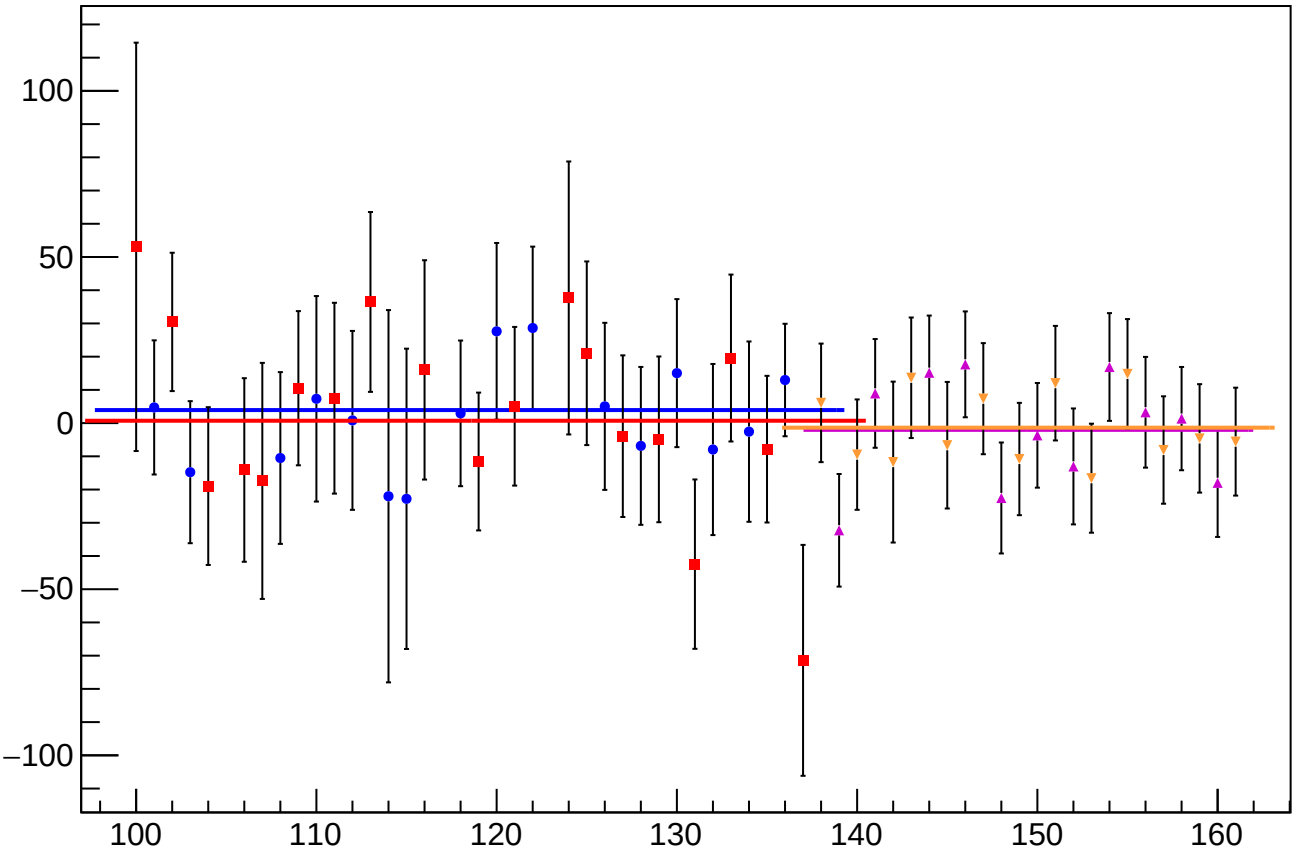
Left: 192.844+/-0.033 χ^2/NDF: 2970200.5/23

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 180.942+/-0.033 χ^2/NDF:2604009.5/26

Out: 194.889+/-0.035 χ^2/NDF:3141620.1/31

All: 187.623+/-0.024 χ^2/NDF: 5828820.9/58



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -1.374+/-4.797 χ^2/NDF:4.6/12

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -2.029+/-4.954 χ^2/NDF:10.5/10

Left: -1.691+/-3.446 χ^2/NDF: 15.2/23

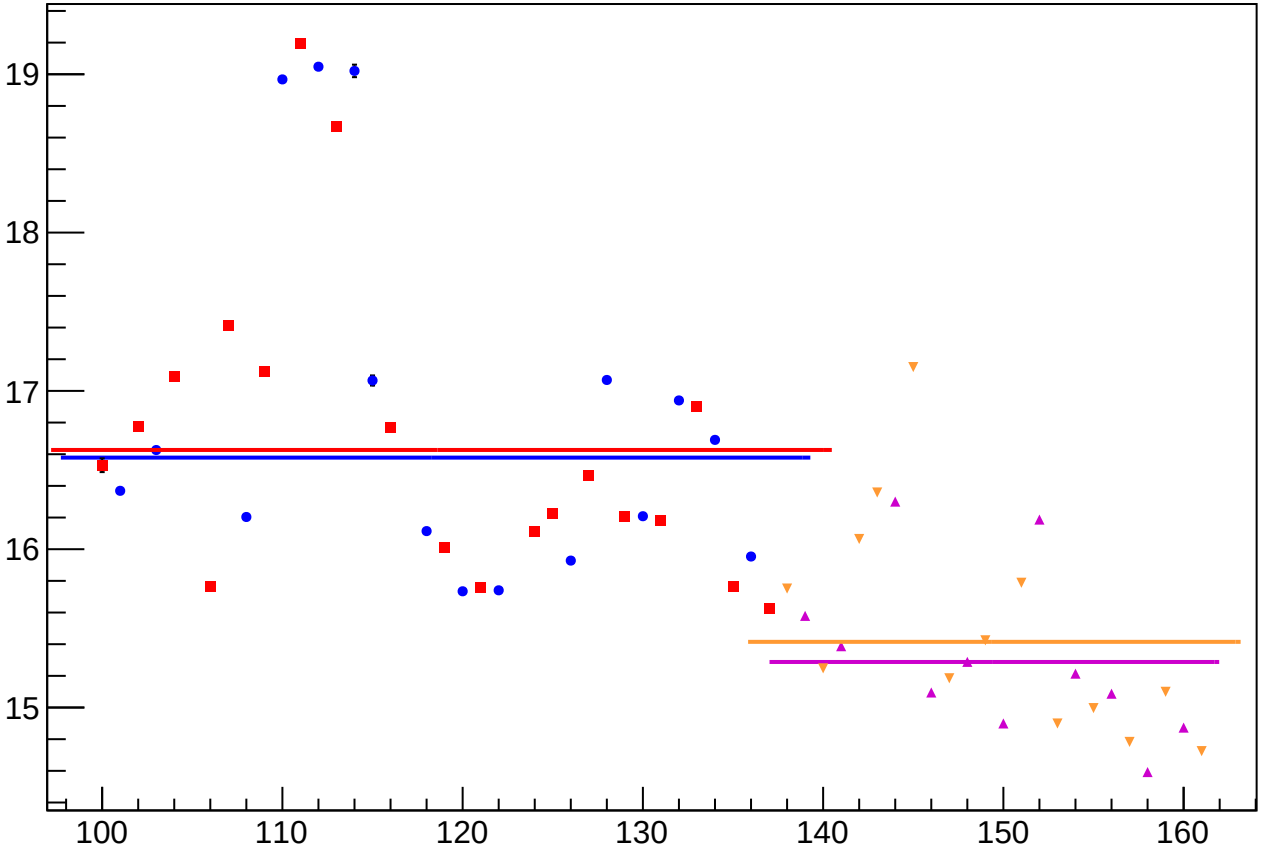
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.303+/-3.863 χ^2/NDF:15.6/26

Out: -0.573+/-3.765 χ^2/NDF:20.6/31

All: -0.146+/-2.696 χ^2/NDF: 36.3/58

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: 15.415+/-0.003 χ^2/NDF:36362.1/12

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.288+/-0.004 χ^2/NDF:20051.0/10

Left: 15.353+/-0.002 χ^2/NDF: 57093.0/23

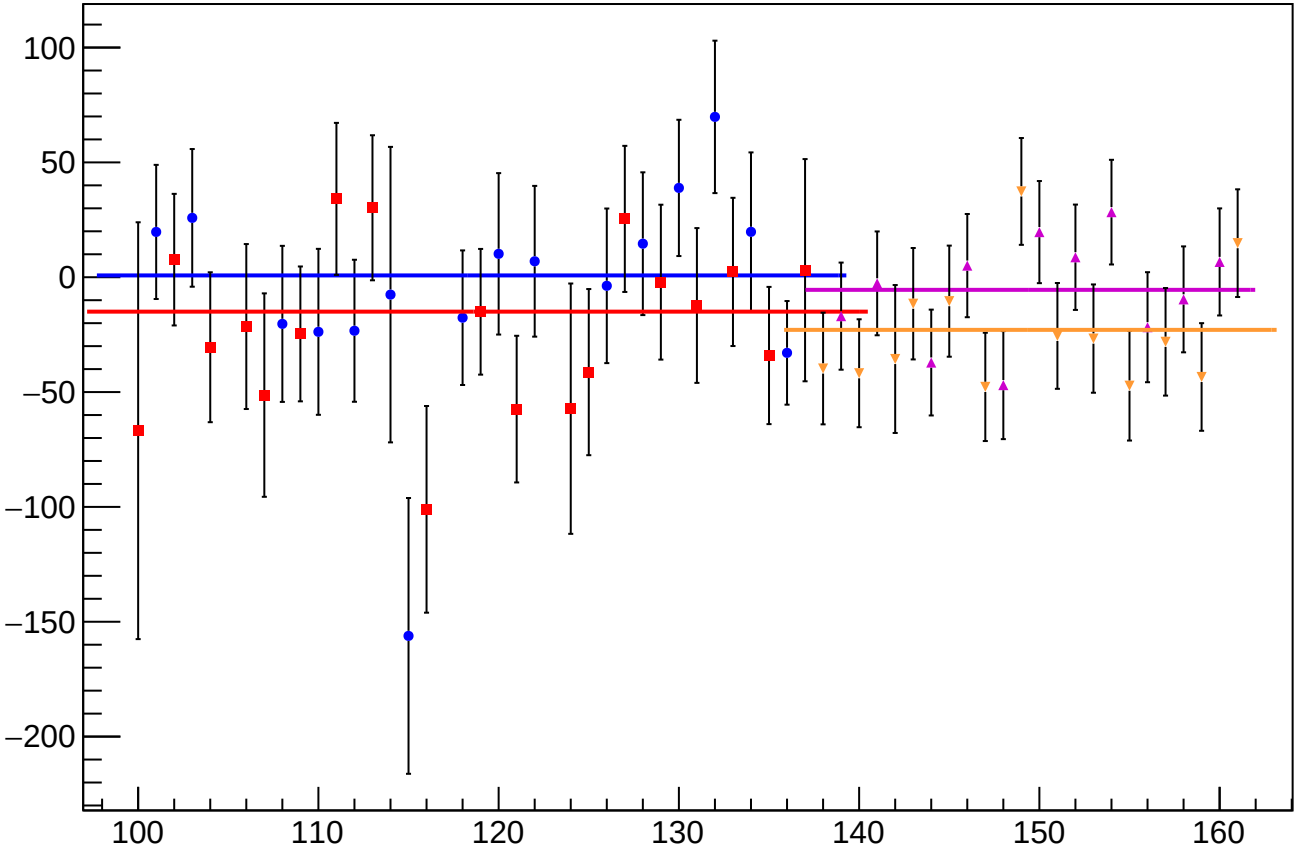
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.794+/-0.003 χ^2/NDF:117839.0/26

Out: 15.880+/-0.003 χ^2/NDF:128844.3/31

All: 15.838+/-0.002 χ^2/NDF: 247198.4/58

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: -22.917+/-6.678 χ^2/NDF:14.1/12

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -5.492+/-6.937 χ^2/NDF:10.1/10

Left: -14.536+/-4.811 χ^2/NDF: 27.5/23

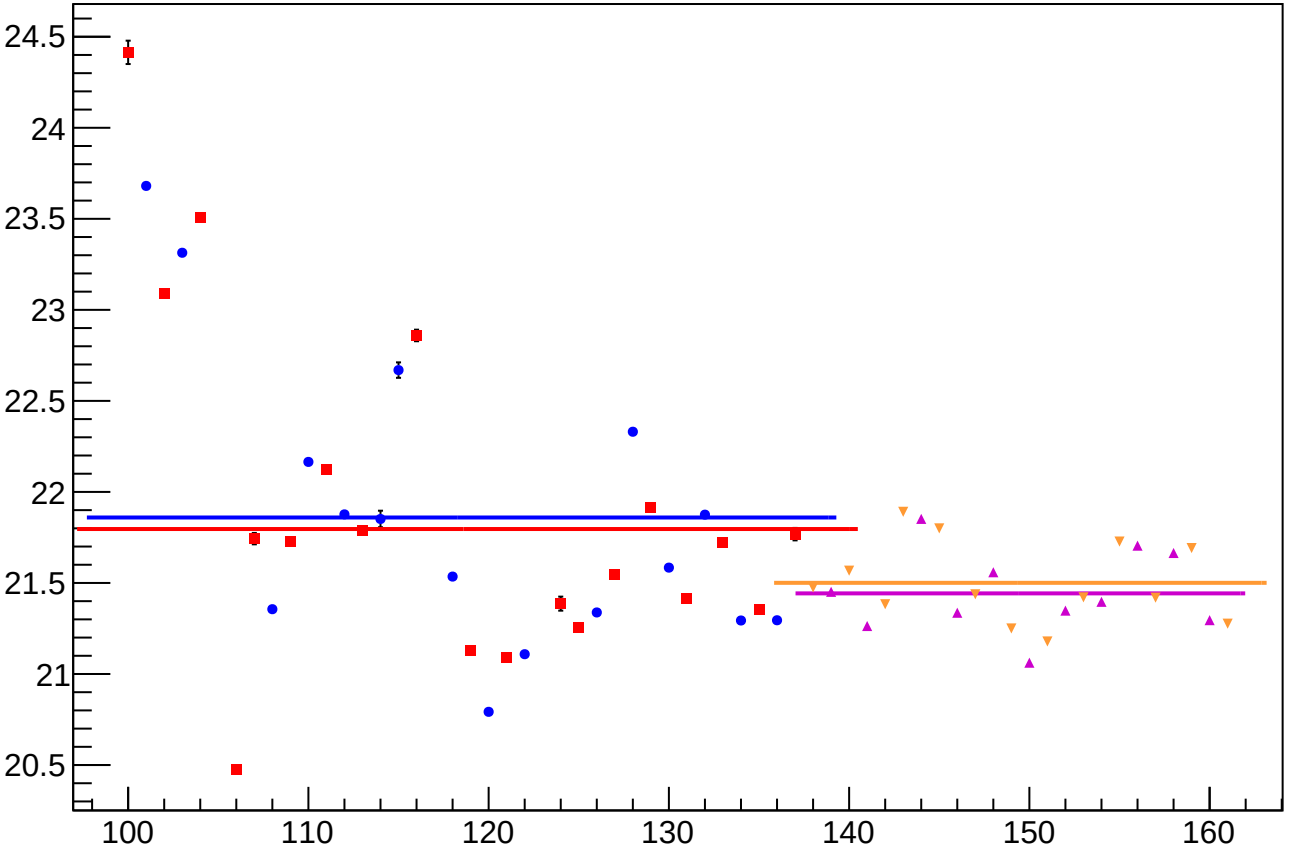
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -2.843+/-5.276 χ^2/NDF:29.1/26

Out: -19.636+/-5.114 χ^2/NDF:30.1/31

All: -11.500+/-3.672 χ^2/NDF: 64.4/58

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: 21.501+/-0.005 χ^2/NDF:2048.5/12

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.443+/-0.005 χ^2/NDF:1983.1/10

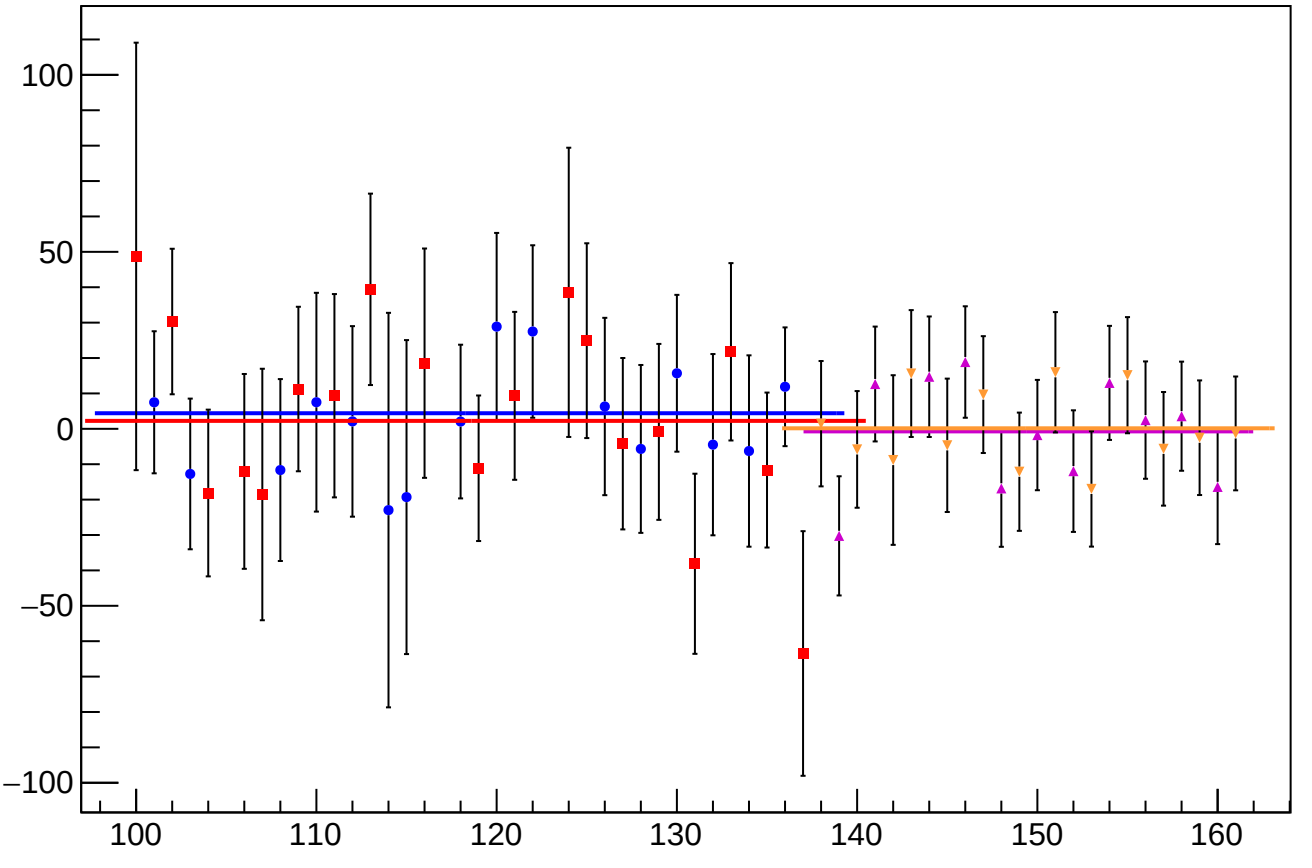
Left: 21.473+/-0.003 χ^2/NDF: 4104.1/23

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.618+/-0.004 χ^2/NDF:24495.4/26

Out: 21.623+/-0.004 χ^2/NDF:22528.9/31

All: 21.621+/-0.003 χ^2/NDF: 47025.1/58



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.148+/-4.751 χ^2/NDF:4.9/12

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.724+/-4.908 χ^2/NDF:9.3/10

Left: -0.274+/-3.414 χ^2/NDF: 14.2/23

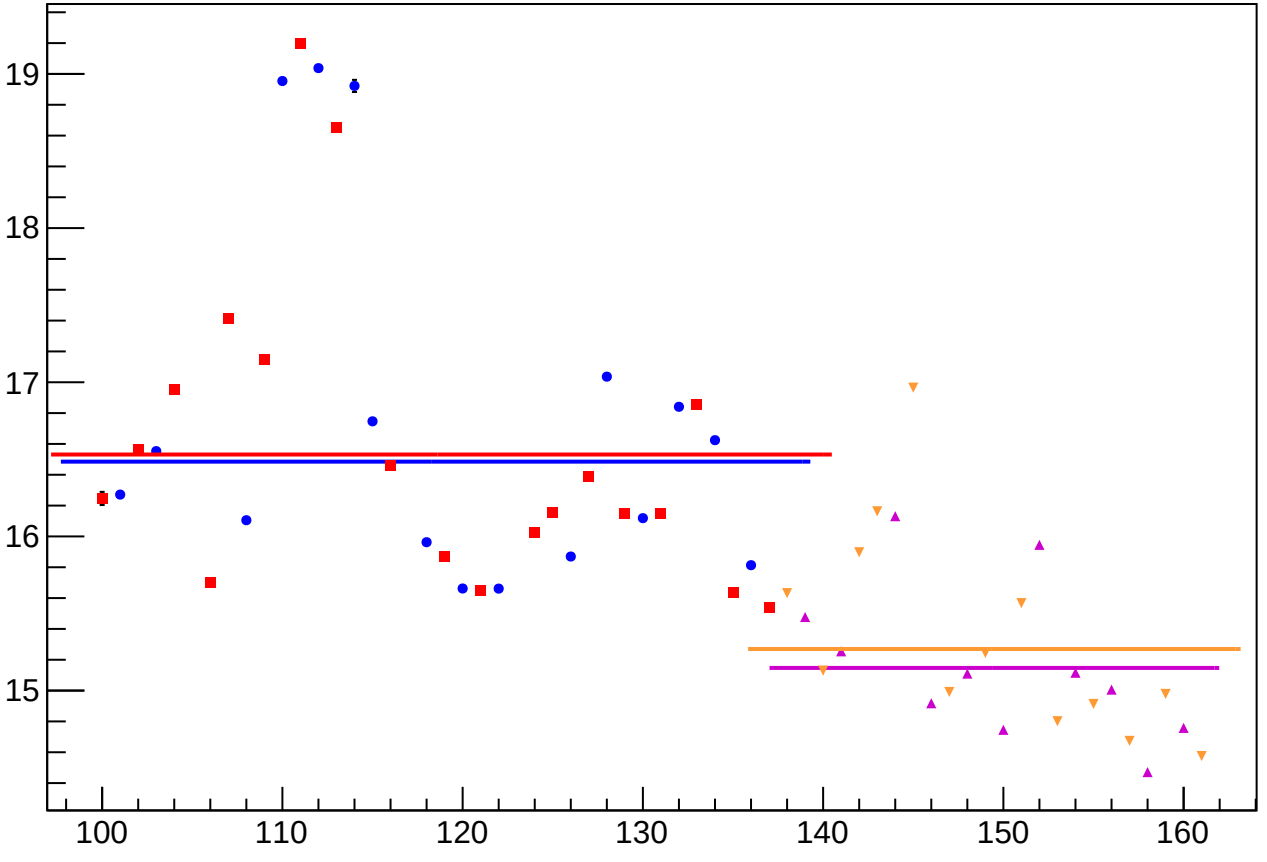
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.276+/-3.833 χ^2/NDF:14.0/26

Out: 0.949+/-3.735 χ^2/NDF:20.4/31

All: 1.108+/-2.675 χ^2/NDF: 34.4/58

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: 15.270+/-0.003 χ^2/NDF:34429.2/12

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.147+/-0.003 χ^2/NDF:18778.2/10

Left: 15.210+/-0.002 χ^2/NDF: 53854.3/23

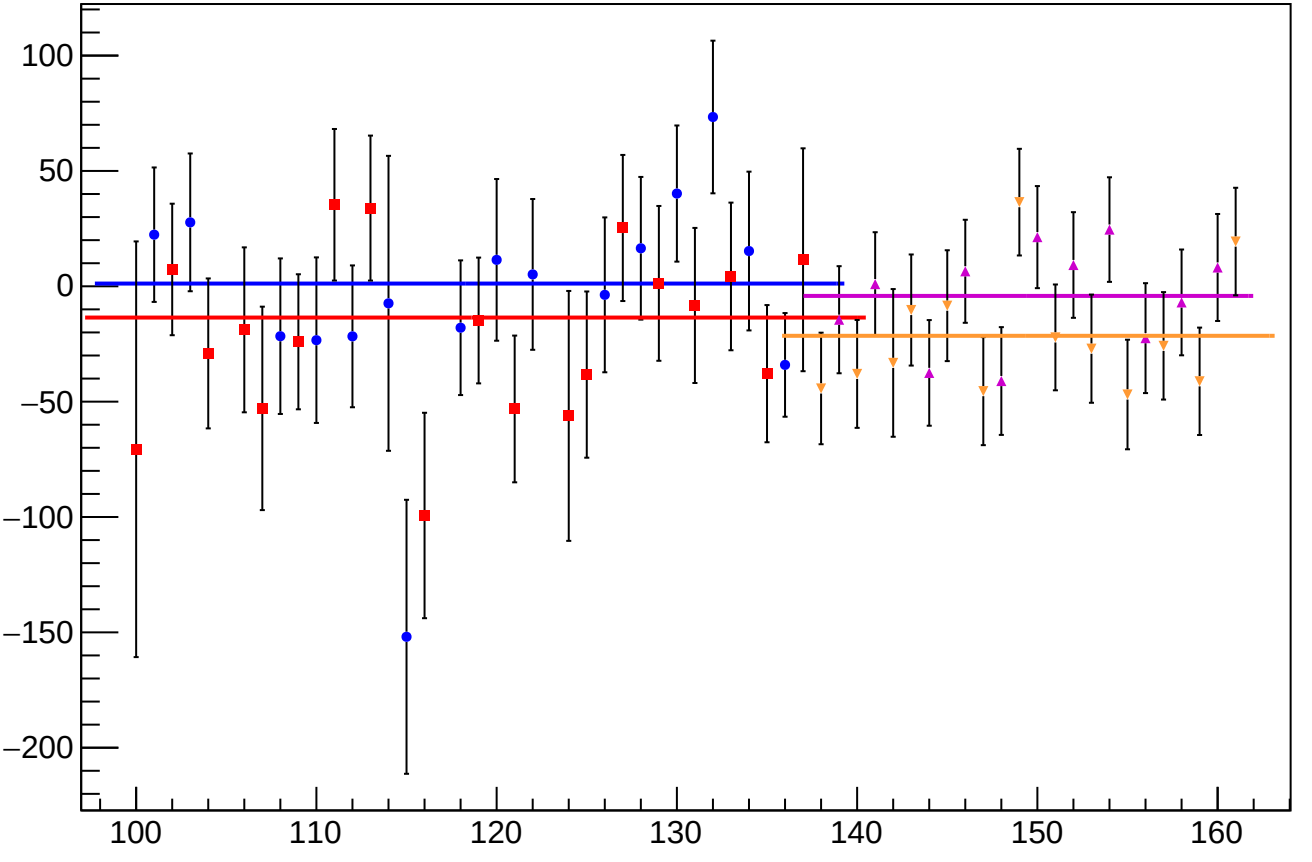
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.669+/-0.003 χ^2/NDF:123954.7/26

Out: 15.752+/-0.003 χ^2/NDF:134768.7/31

All: 15.711+/-0.002 χ^2/NDF: 259202.3/58

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: -21.460+/-6.638 χ^2/NDF:14.4/12

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -4.169+/-6.900 χ^2/NDF:9.3/10

Left: -13.149+/-4.784 χ^2/NDF: 26.9/23

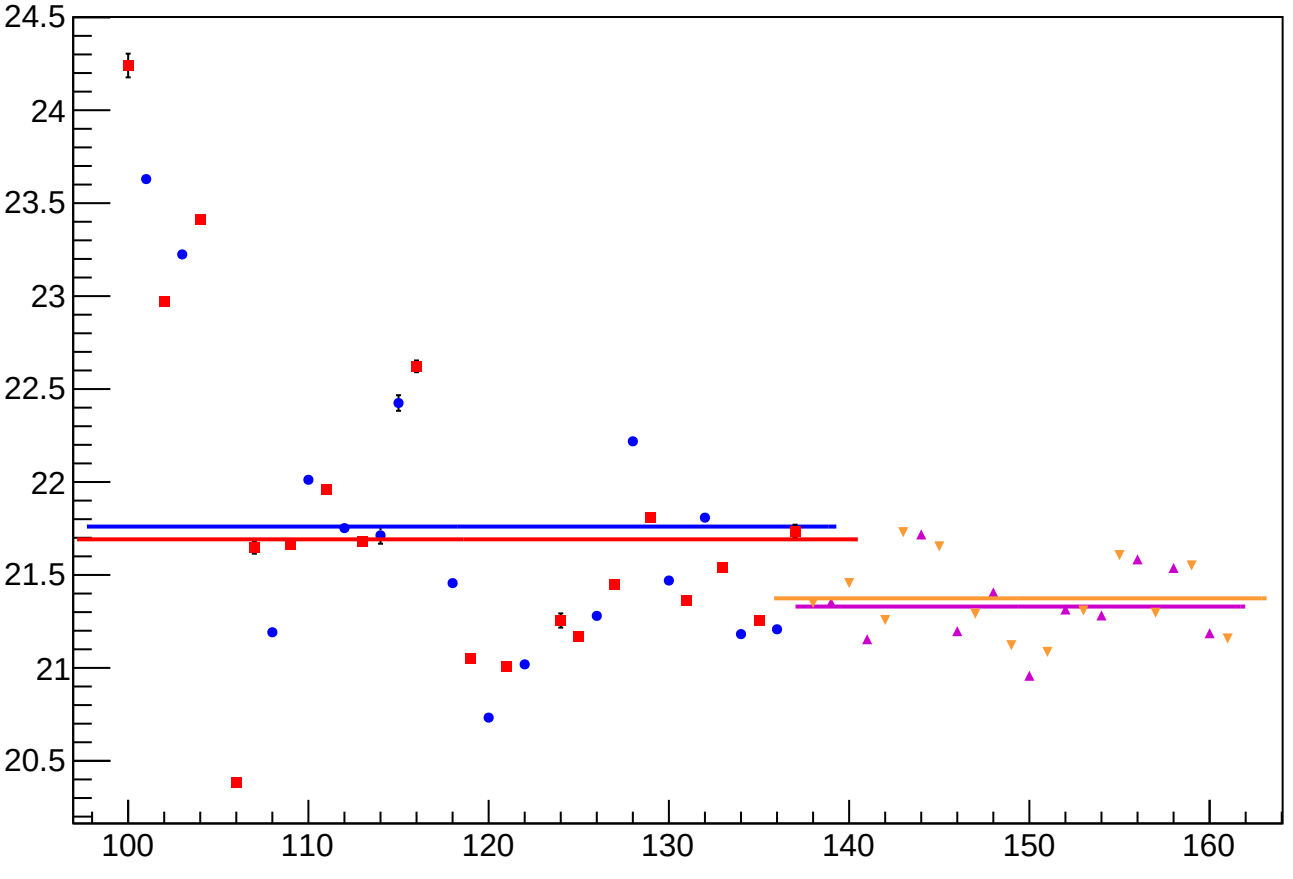
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -1.914+/-5.249 χ^2/NDF:28.9/26

Out: -18.193+/-5.086 χ^2/NDF:30.9/31

All: -10.310+/-3.653 χ^2/NDF: 64.8/58

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: 21.374+/-0.005 χ^2/NDF:1855.7/12

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.330+/-0.005 χ^2/NDF:1832.9/10

Left: 21.353+/-0.003 χ^2/NDF: 3731.3/23

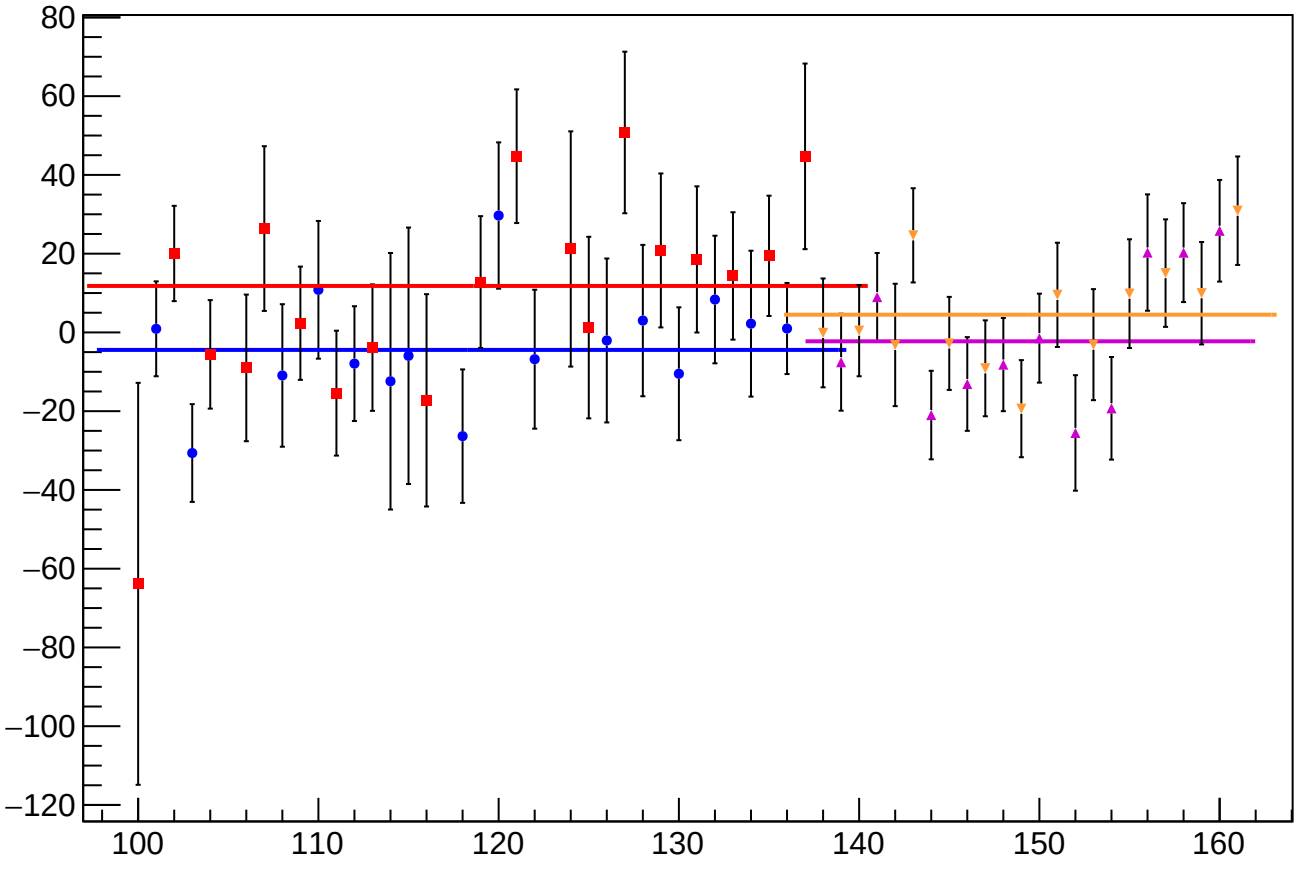
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.511+/-0.004 χ^2/NDF:24854.6/26

Out: 21.505+/-0.004 χ^2/NDF:22073.5/31

All: 21.508+/-0.003 χ^2/NDF: 46929.4/58

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.502+/-3.608 χ^2/NDF:13.7/12

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -2.256+/-3.727 χ^2/NDF:19.5/10

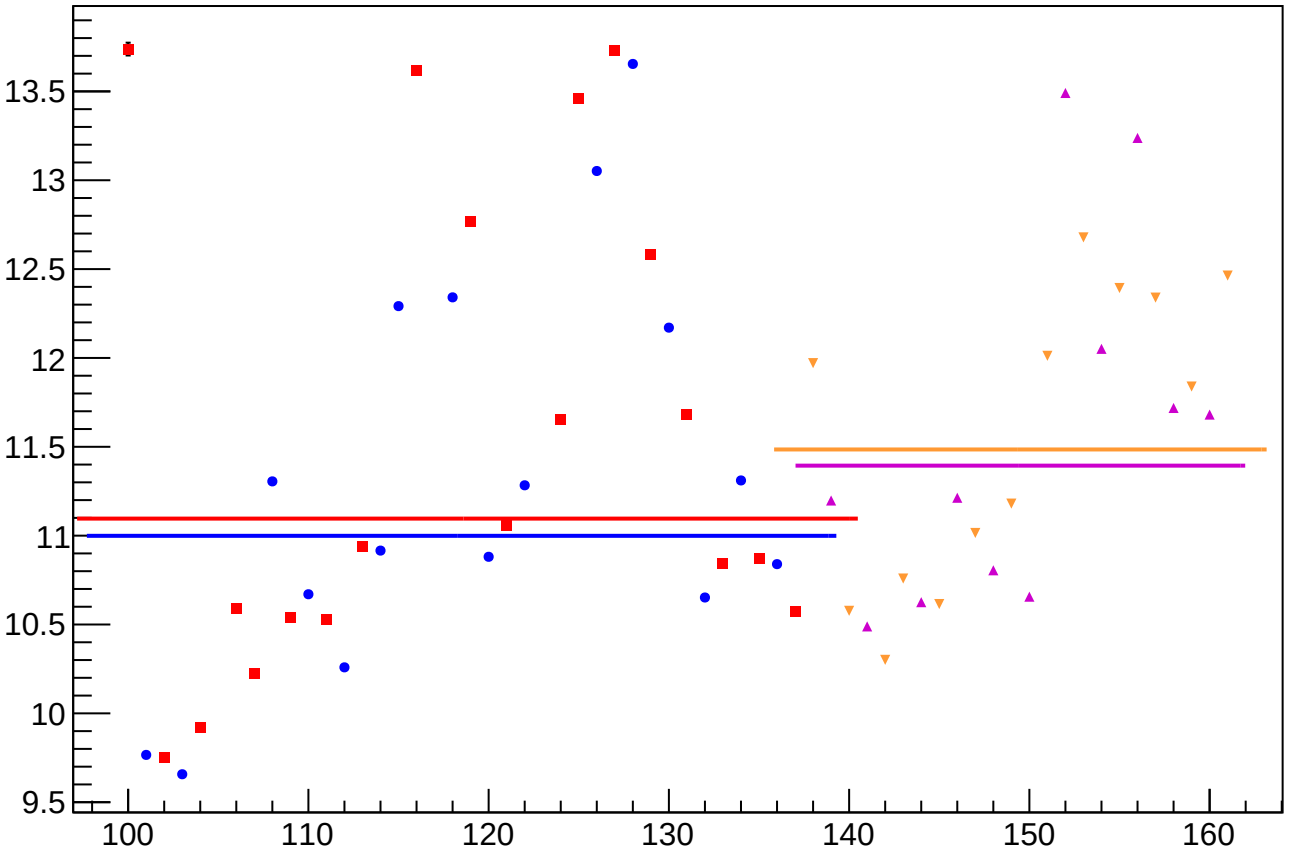
Left: 1.233+/-2.592 χ^2/NDF: 35.0/23

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -3.236+/-2.767 χ^2/NDF:31.7/26

Out: 7.692+/-2.708 χ^2/NDF:37.3/31

All: 2.347+/-1.935 χ^2/NDF: 76.9/58



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.485+/-0.003 χ^2/NDF:94369.2/12

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

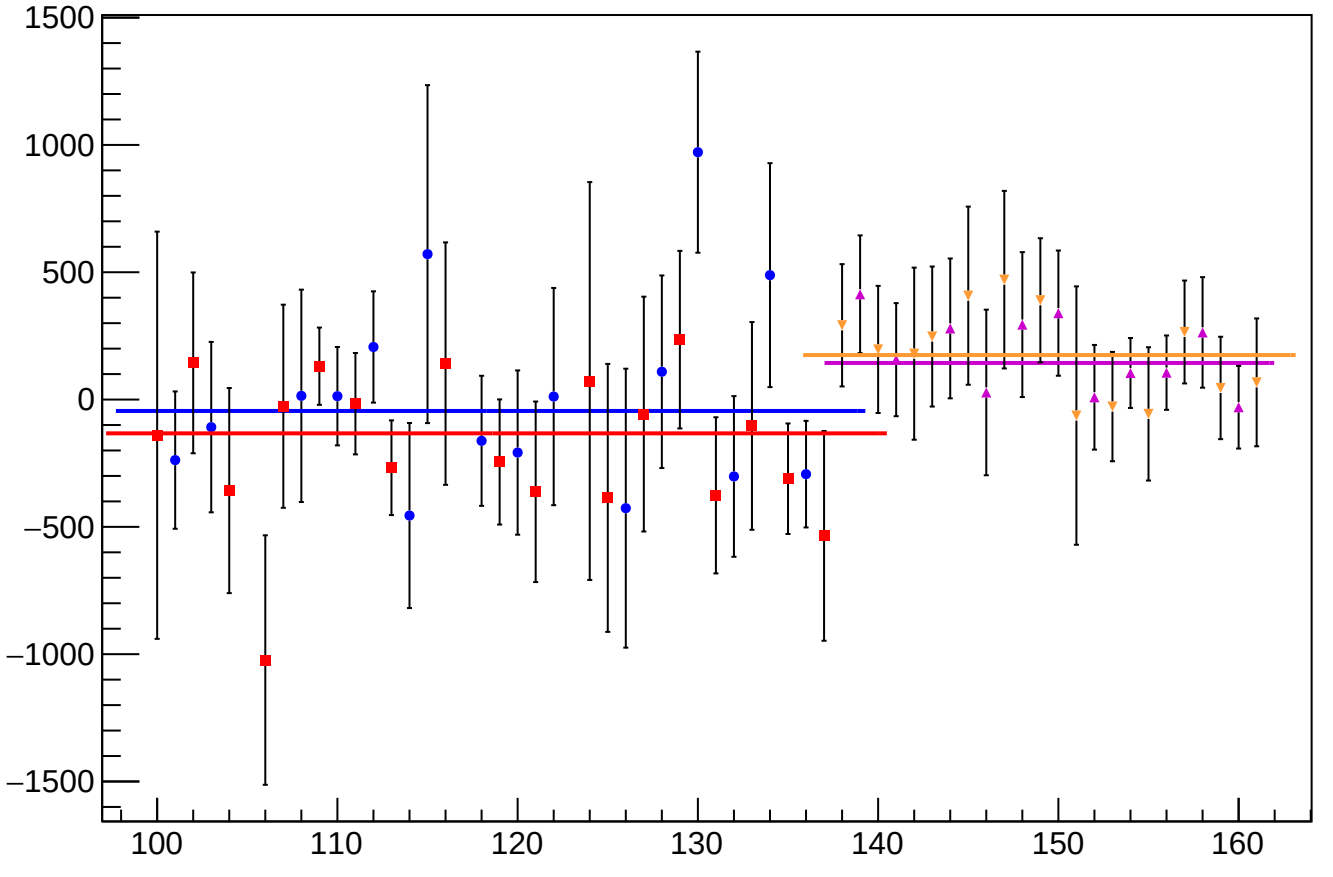
Left: 11.441+/-0.002 χ^2/NDF: 211292.6/23

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.217+/-0.002 χ^2/NDF:262544.5/26

Out: 11.315+/-0.002 χ^2/NDF:267435.0/31

All: 11.267+/-0.001 χ^2/NDF: 531270.6/58



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 174.749+/-71.816 χ^2/NDF:4.9/12

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 143.717+/-60.490 χ^2/NDF:4.7/10

Left: 156.596+/-46.265 χ^2/NDF: 9.7/23

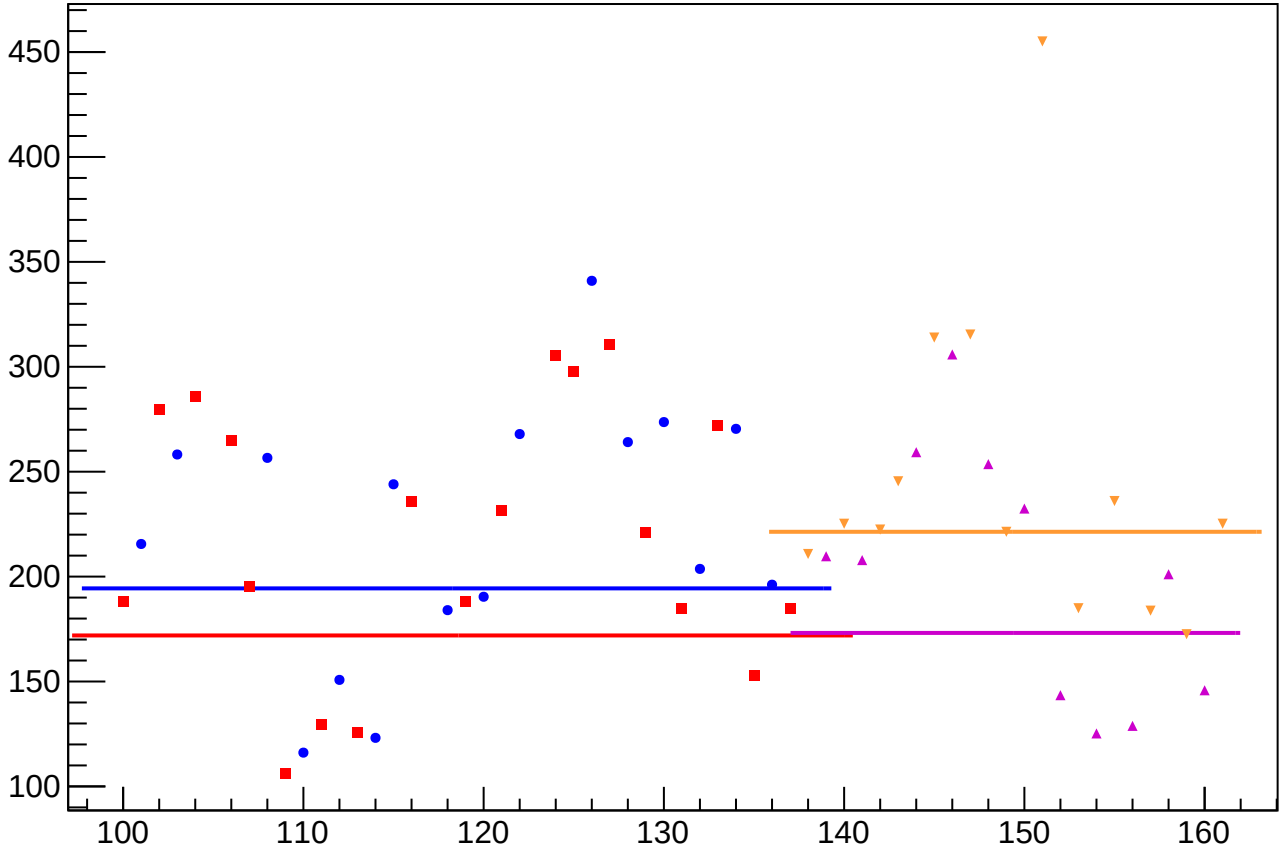
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.106+/-47.430 χ^2/NDF:23.8/26

Out: 13.231+/-49.480 χ^2/NDF:27.4/31

All: 43.392+/-34.240 χ^2/NDF: 52.0/58

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.358+/-0.051 χ^2/NDF:981058.0/12

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

Left: 193.159+/-0.033 χ^2/NDF: 2971842.9/23

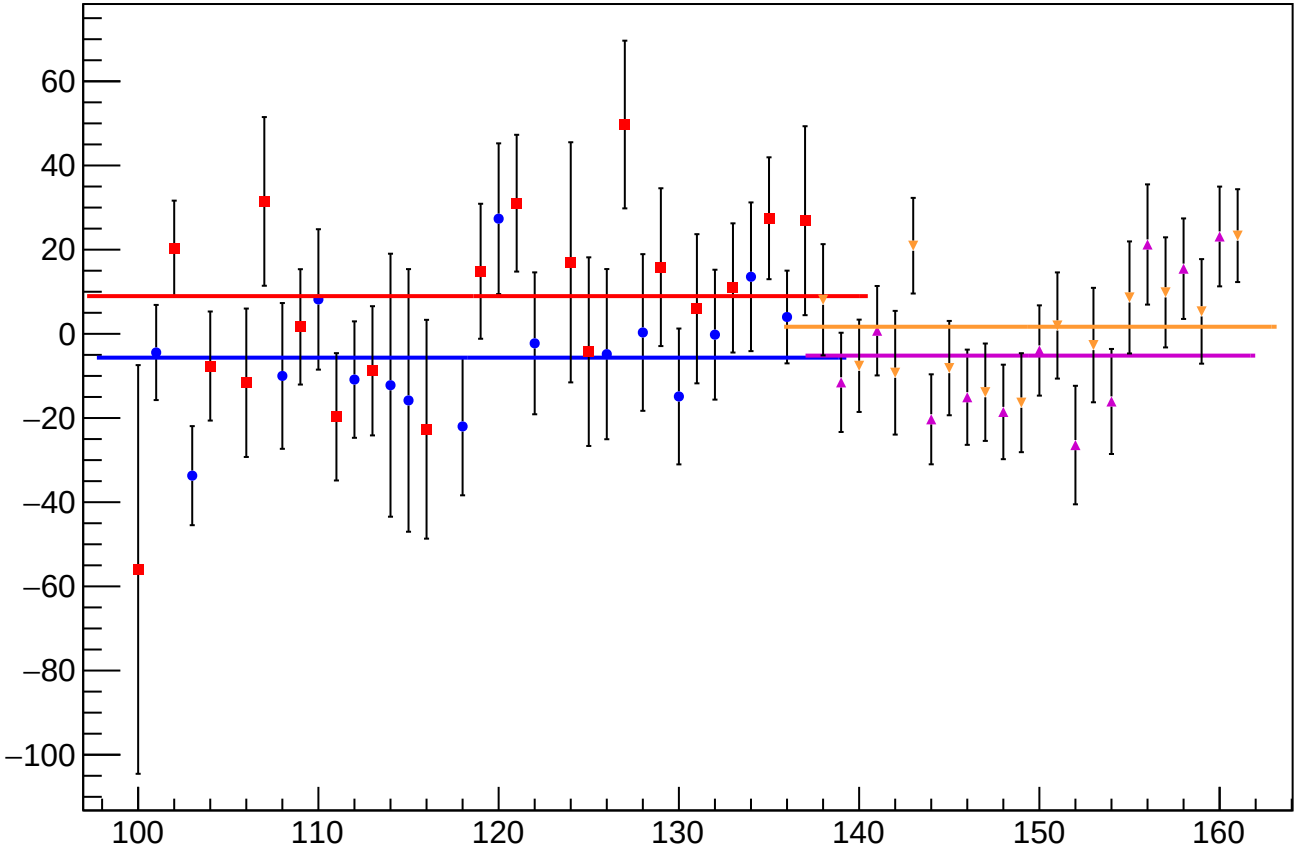
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.332+/-0.034 χ^2/NDF:2600612.1/26

Out: 195.403+/-0.035 χ^2/NDF:3129684.9/31

All: 188.070+/-0.024 χ^2/NDF: 5814593.4/58

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: 1.686+/-3.391 χ^2/NDF:14.0/12

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -5.174+/-3.541 χ^2/NDF:20.0/10

Left: -1.595+/-2.449 χ^2/NDF: 35.9/23

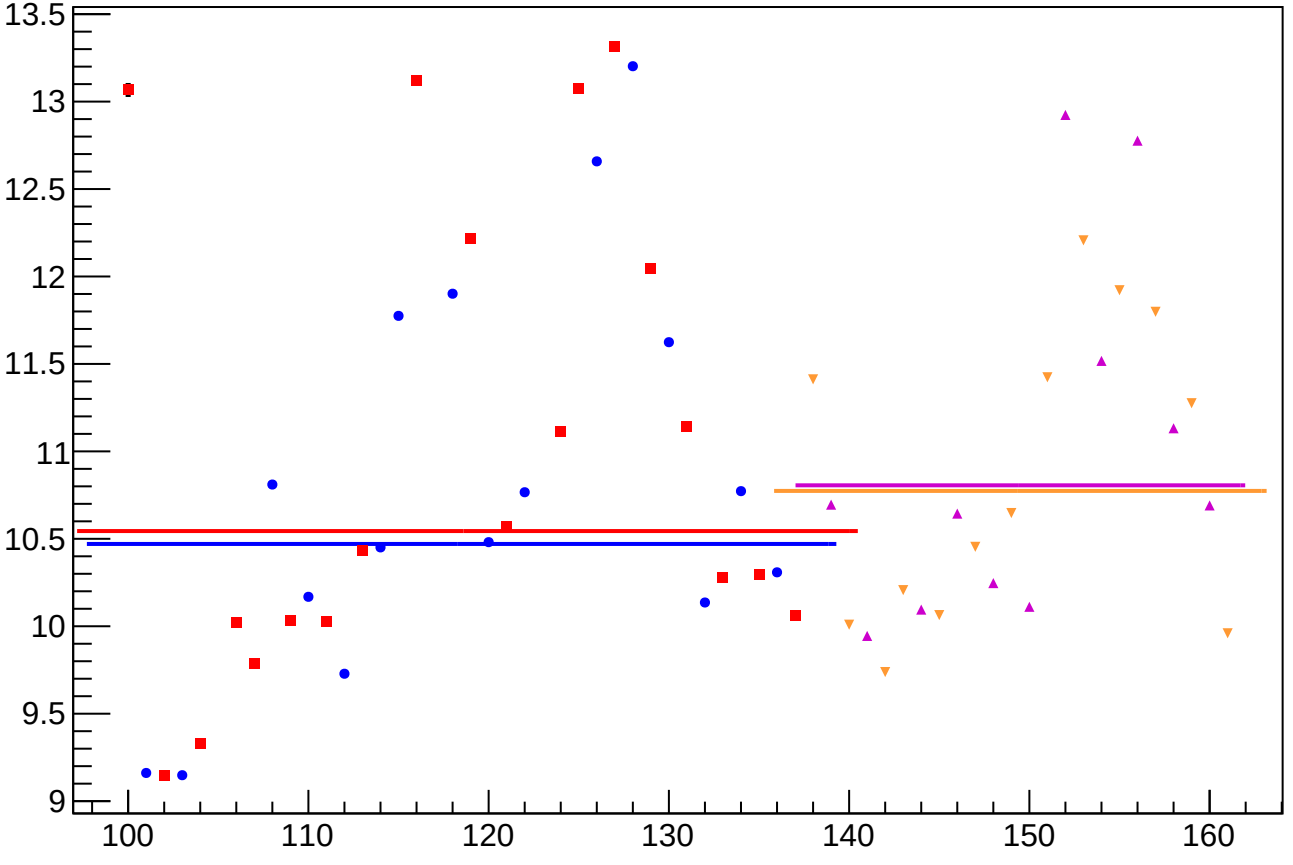
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.390+/-2.633 χ^2/NDF:33.6/26

Out: 4.817+/-2.559 χ^2/NDF:38.8/31

All: -0.141+/-1.835 χ^2/NDF: 80.2/58

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: 10.774+/-0.002 χ^2/NDF:107901.7/12

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

Left: 10.789+/-0.002 χ^2/NDF: 235401.9/23

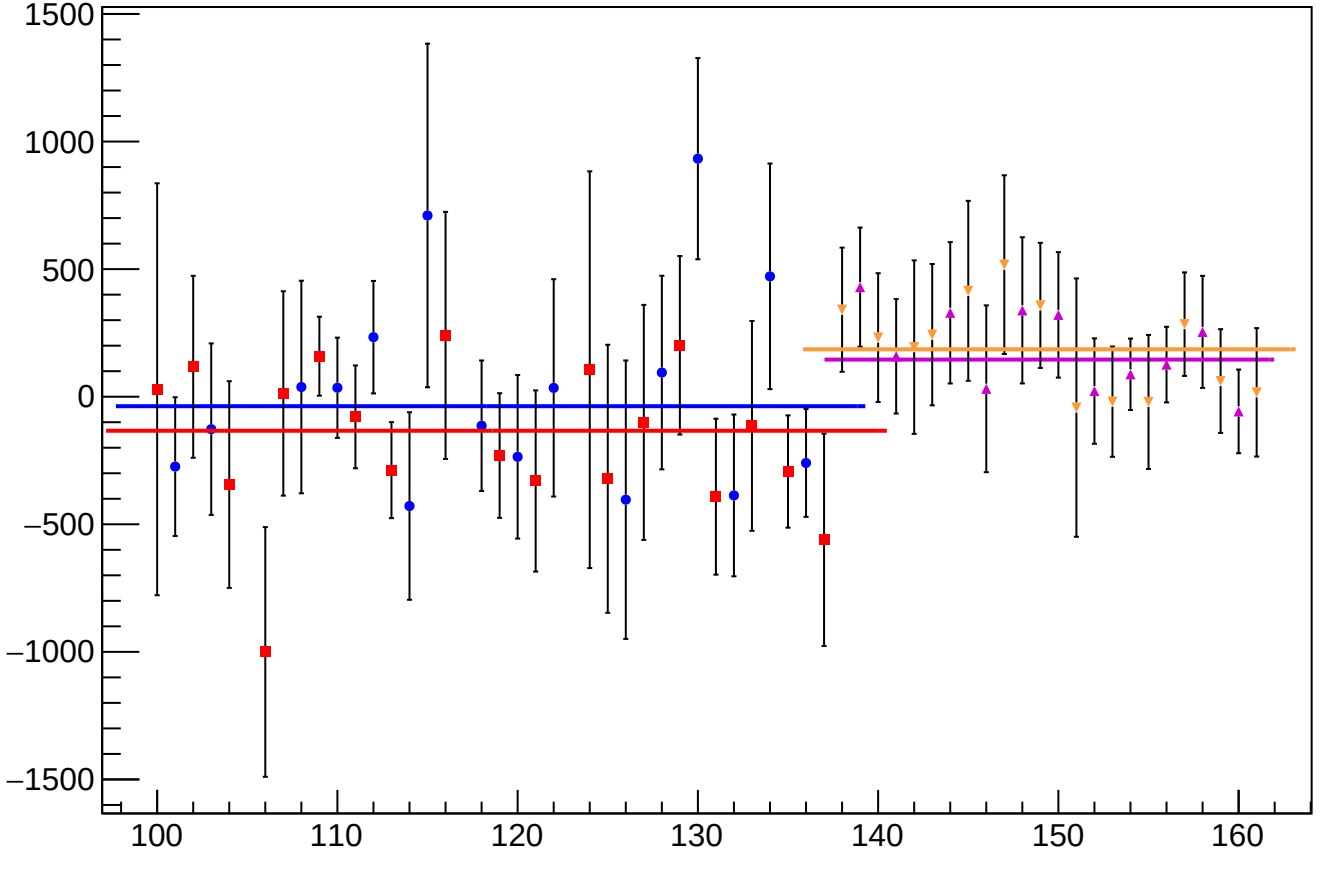
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.656+/-0.002 χ^2/NDF:292794.8/26

Out: 10.675+/-0.002 χ^2/NDF:298626.3/31

All: 10.666+/-0.001 χ^2/NDF: 591475.1/58

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: 185.852+/-72.312 χ^2/NDF:5.1/12

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 145.461+/-61.163 χ^2/NDF:5.3/10

Left: 162.306+/-46.698 χ^2/NDF: 10.6/23

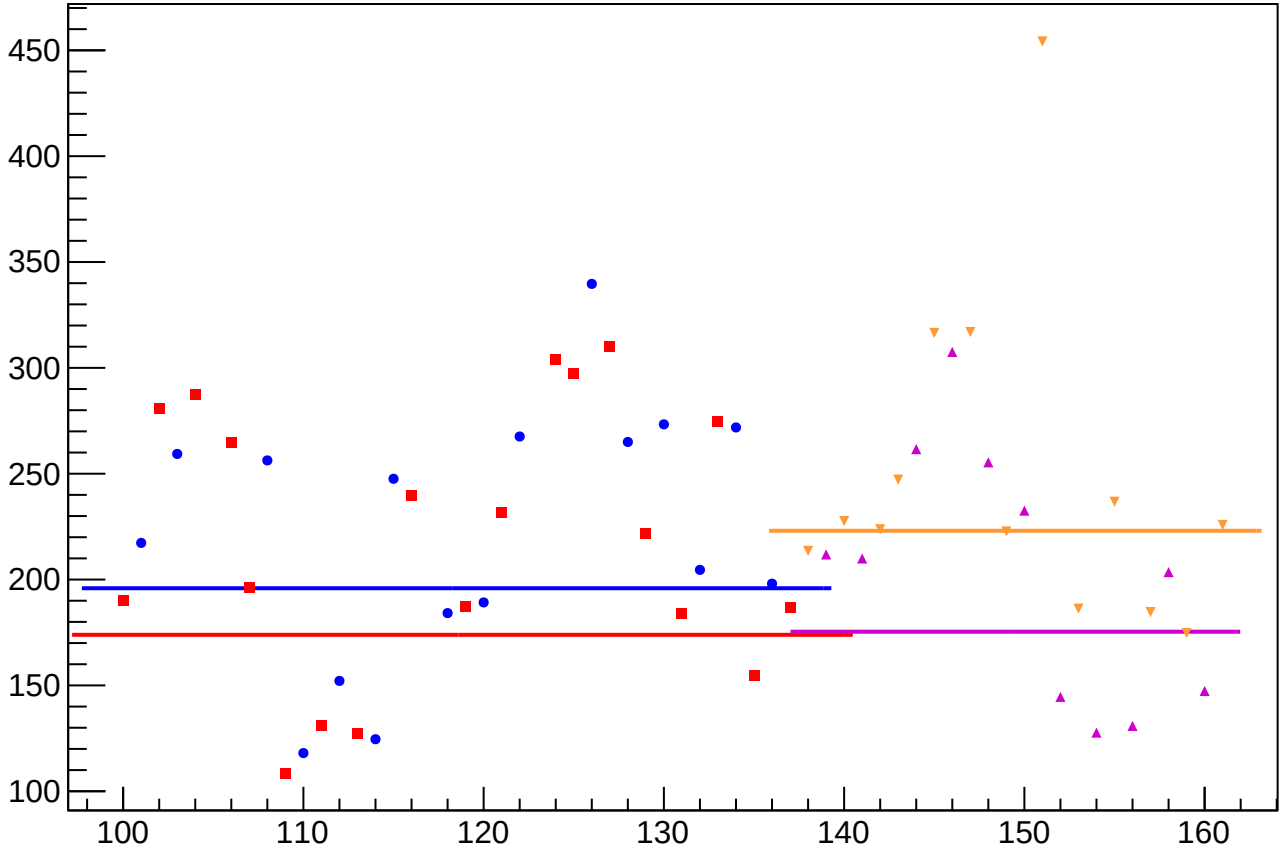
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 74.685+/-47.872 χ^2/NDF:24.4/26

Out: 18.491+/-49.877 χ^2/NDF:28.2/31

All: 47.740+/-34.538 χ^2/NDF: 53.3/58

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: 223.045+/-0.051 χ^2/NDF:968143.0/12

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

Left: 195.247+/-0.033 χ^2/NDF: 2904657.7/23

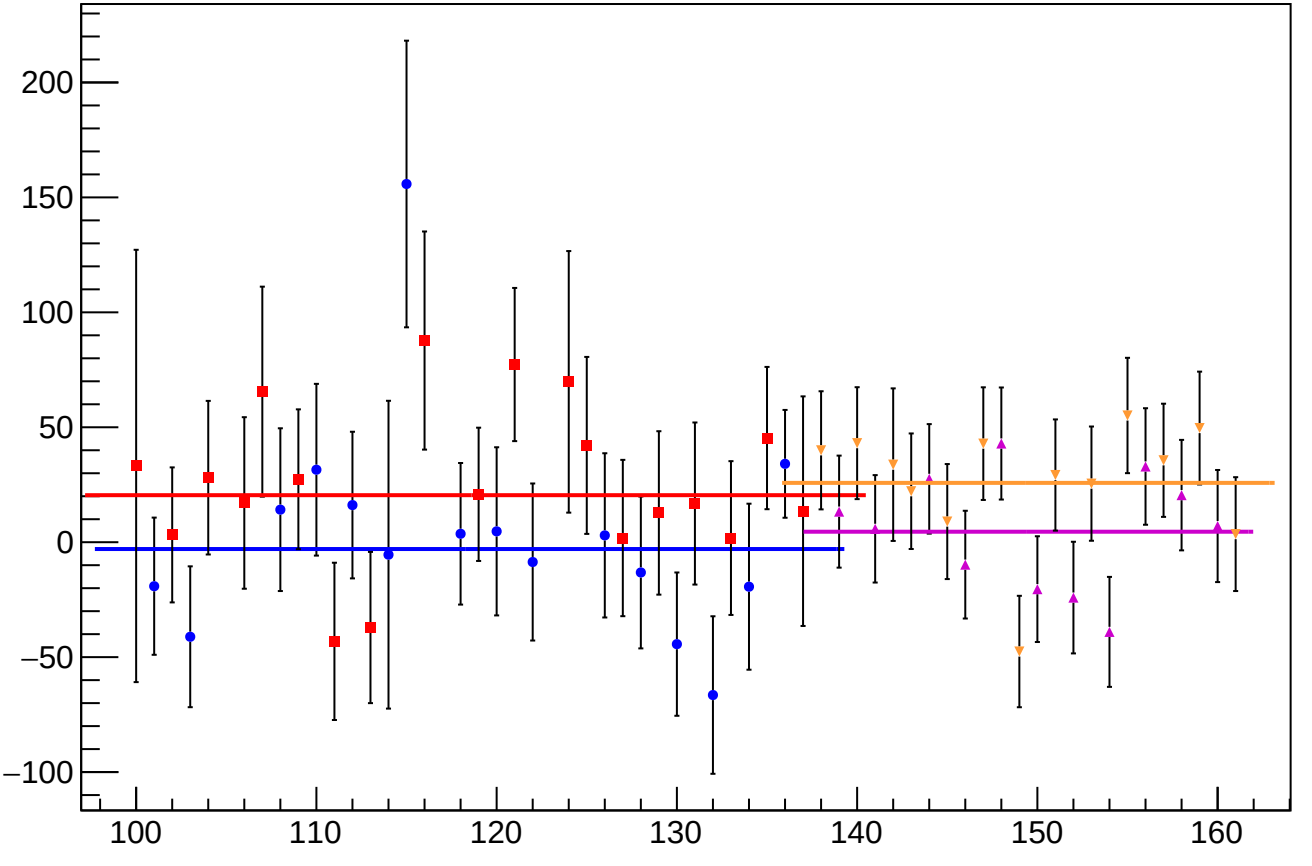
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.317+/-0.034 χ^2/NDF:2527892.6/26

Out: 197.282+/-0.035 χ^2/NDF:3052024.5/31

All: 190.013+/-0.024 χ^2/NDF: 5661525.8/58

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: 25.810+/-6.981 χ^2/NDF:14.3/12

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 4.563+/-7.239 χ^2/NDF:11.5/10

Left: 15.571+/-5.025 χ^2/NDF: 30.3/23

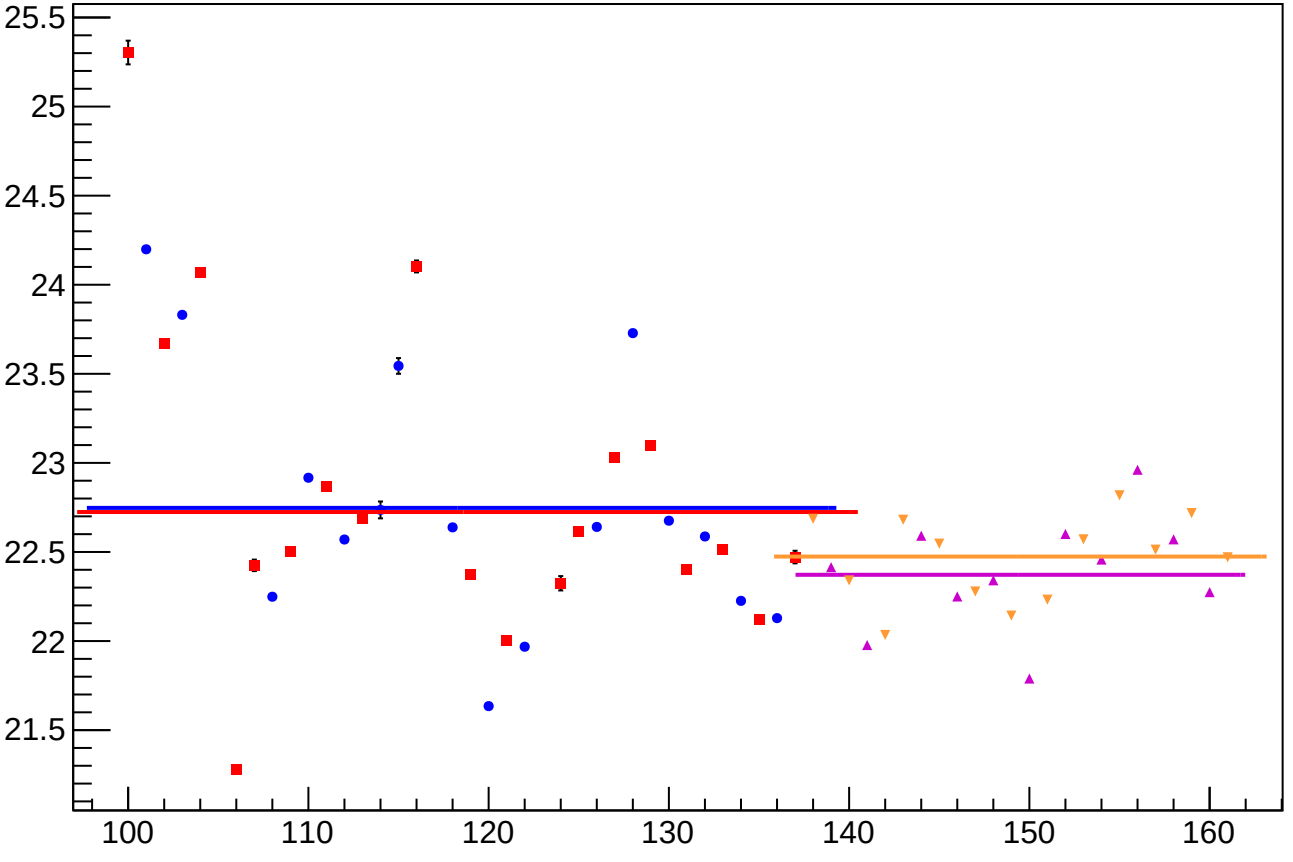
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.378+/-5.498 χ^2/NDF:29.9/26

Out: 23.590+/-5.341 χ^2/NDF:29.8/31

All: 12.807+/-3.831 χ^2/NDF: 68.1/58

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: 22.474+/-0.005 χ^2/NDF:2011.2/12

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.372+/-0.005 χ^2/NDF:3538.5/10

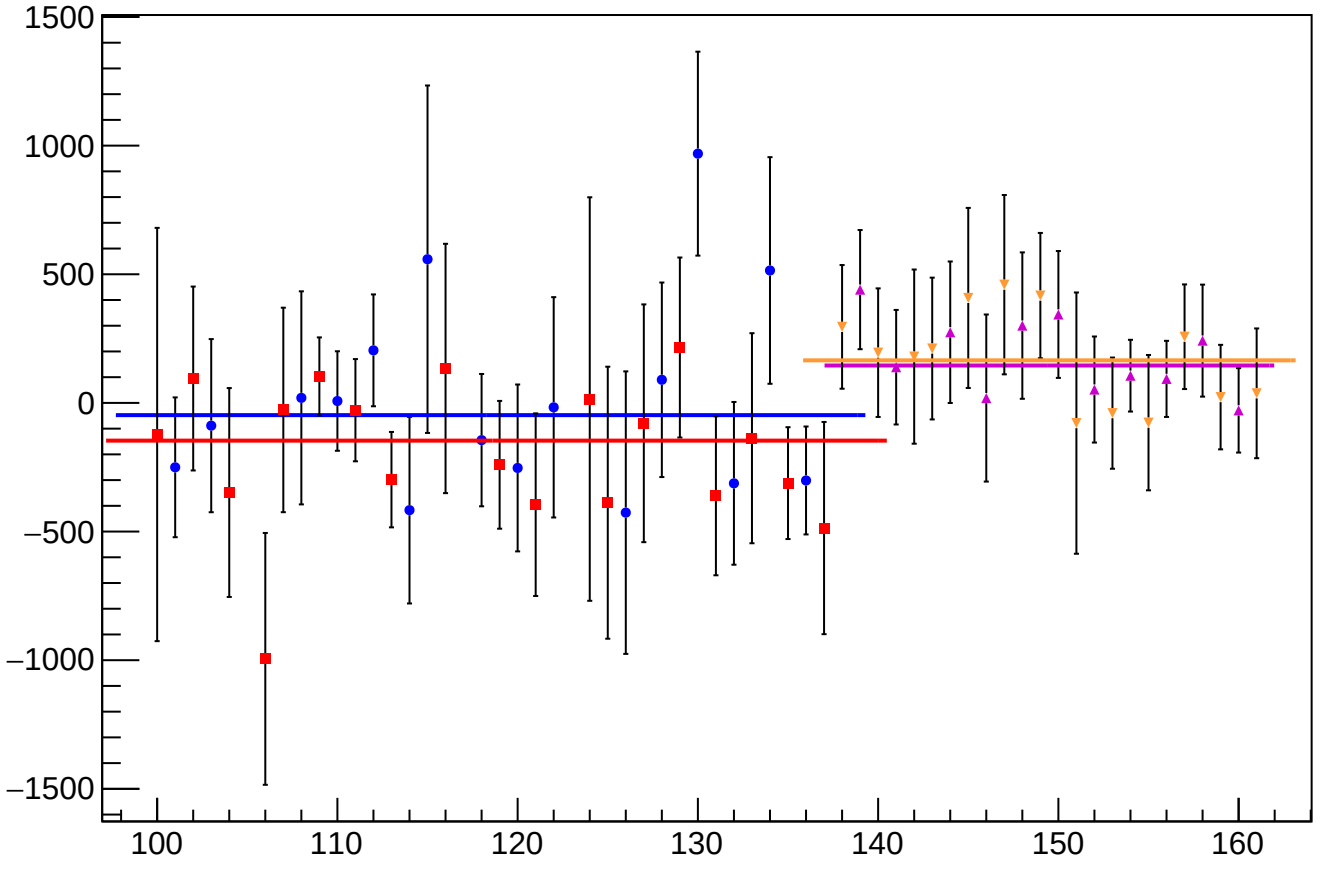
Left: 22.425+/-0.004 χ^2/NDF: 5756.7/23

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.531+/-0.004 χ^2/NDF:20438.7/26

Out: 22.578+/-0.004 χ^2/NDF:17565.9/31

All: 22.555+/-0.003 χ^2/NDF: 38080.3/58



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 165.460+/-72.096 χ^2/NDF:5.5/12

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 145.416+/-60.937 χ^2/NDF:4.7/10

Left: 153.768+/-46.540 χ^2/NDF: 10.3/23

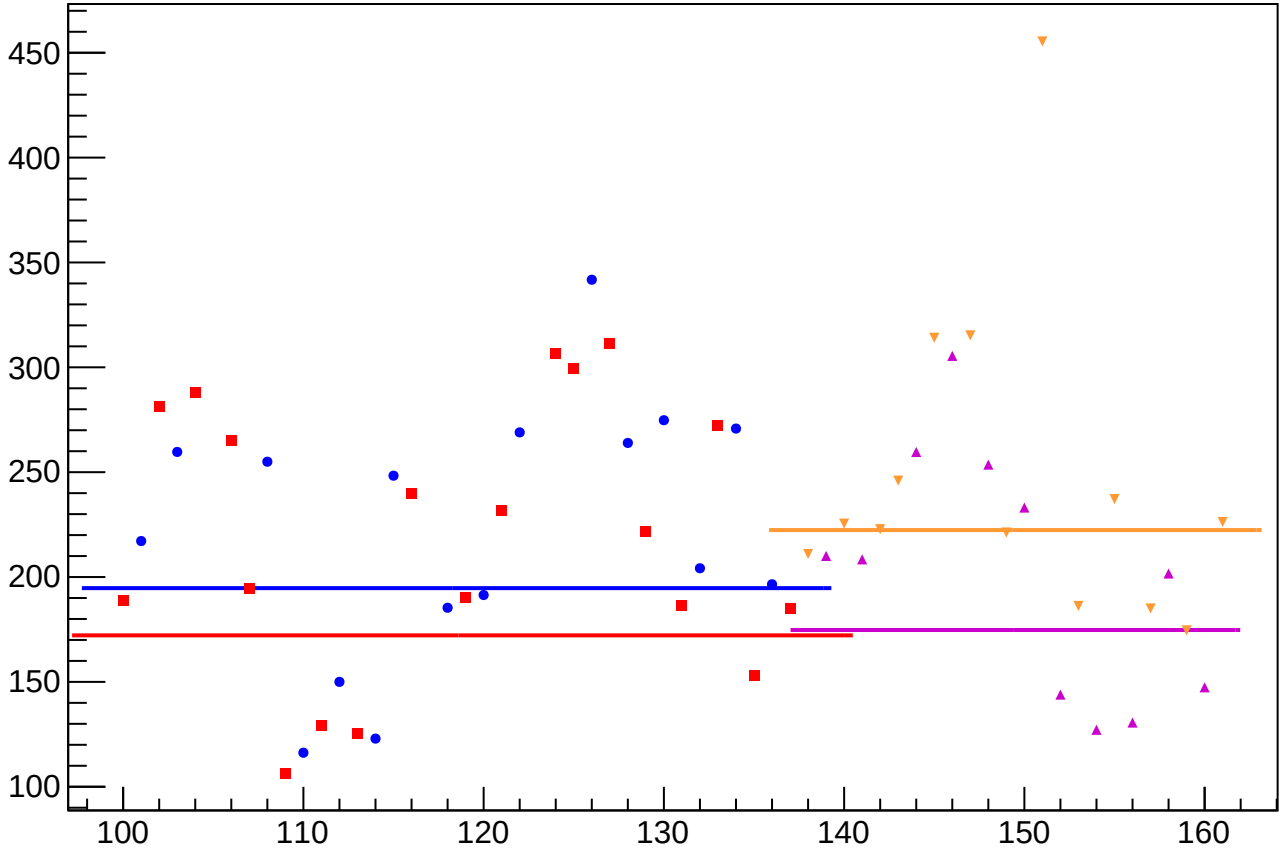
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 70.602+/-47.681 χ^2/NDF:24.0/26

Out: 1.237+/-49.620 χ^2/NDF:27.0/31

All: 37.302+/-34.381 χ^2/NDF: 51.9/58

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.390+/-0.051 χ^2/NDF:961204.0/12

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

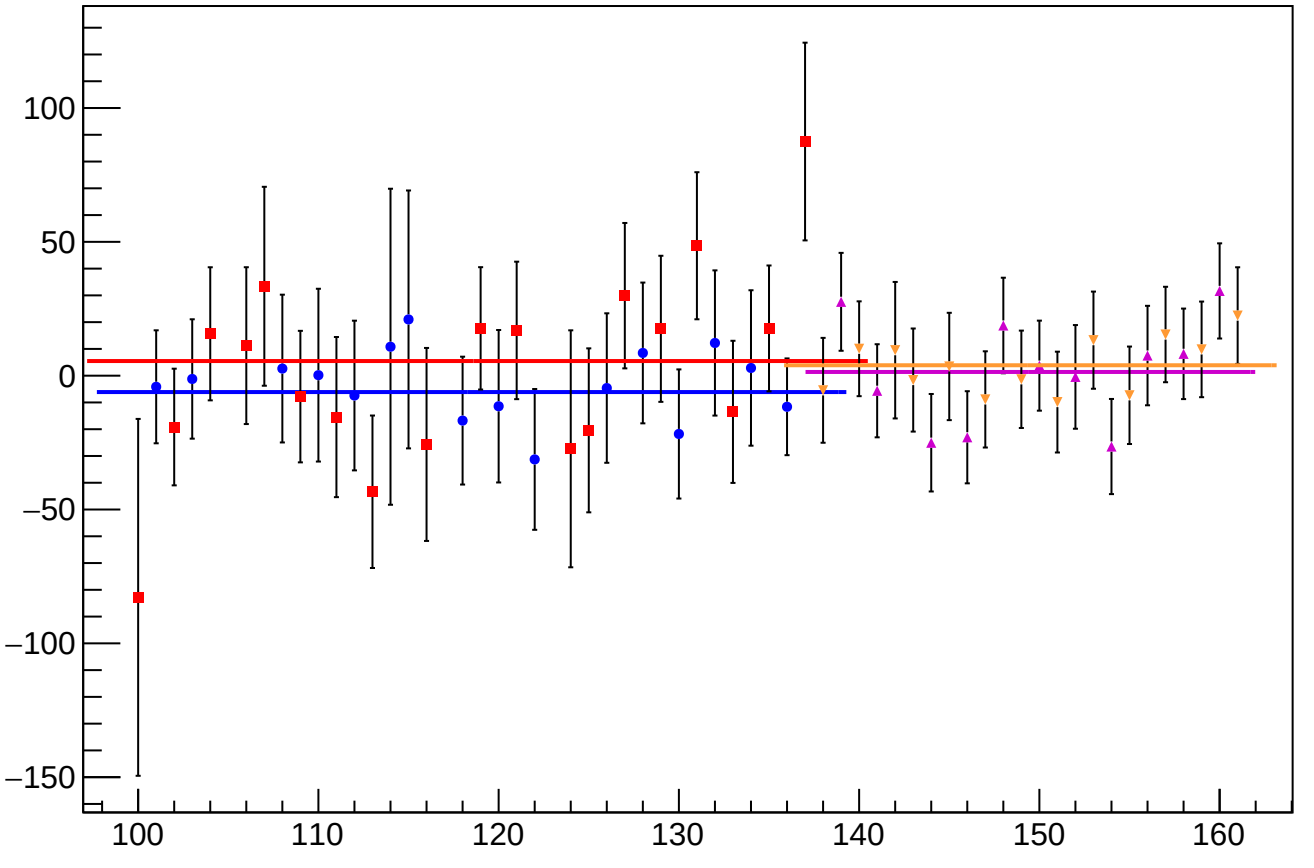
Left: 194.593+/-0.033 χ^2/NDF: 2885681.2/23

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 182.479+/-0.034 χ^2/NDF:2550357.2/26

Out: 195.968+/-0.035 χ^2/NDF:3142690.8/31

All: 188.955+/-0.024 χ^2/NDF: 5769890.4/58



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 3.895+/-5.209 χ^2/NDF:3.8/12

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.389+/-5.365 χ^2/NDF:12.9/10

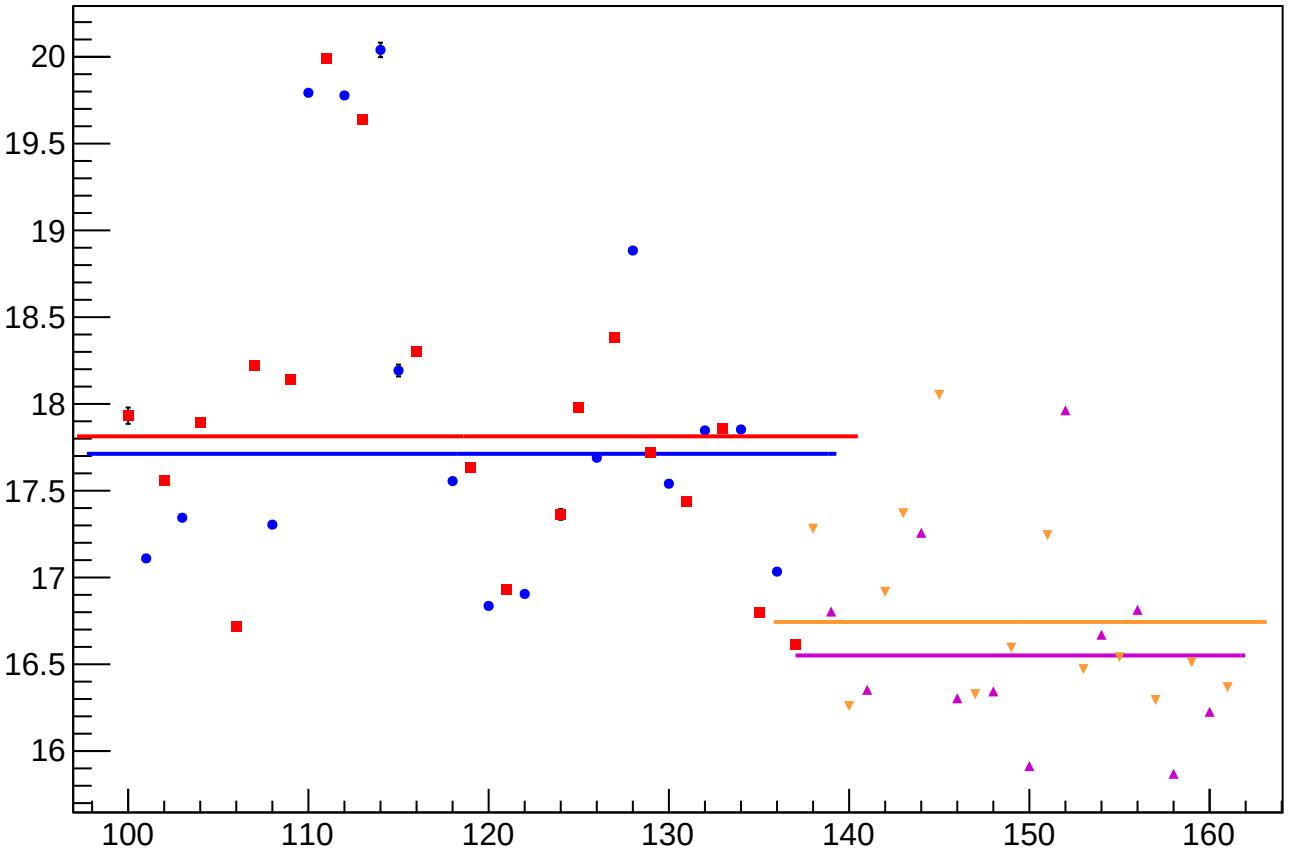
Left: 2.679+/-3.737 χ^2/NDF: 16.9/23

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -1.602+/-4.161 χ^2/NDF:16.8/26

Out: 4.510+/-4.067 χ^2/NDF:23.1/31

All: 1.523+/-2.908 χ^2/NDF: 41.0/58



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.744+/-0.004 χ^2/NDF:19519.9/12

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

Left: 16.650+/-0.003 χ^2/NDF: 43107.8/23

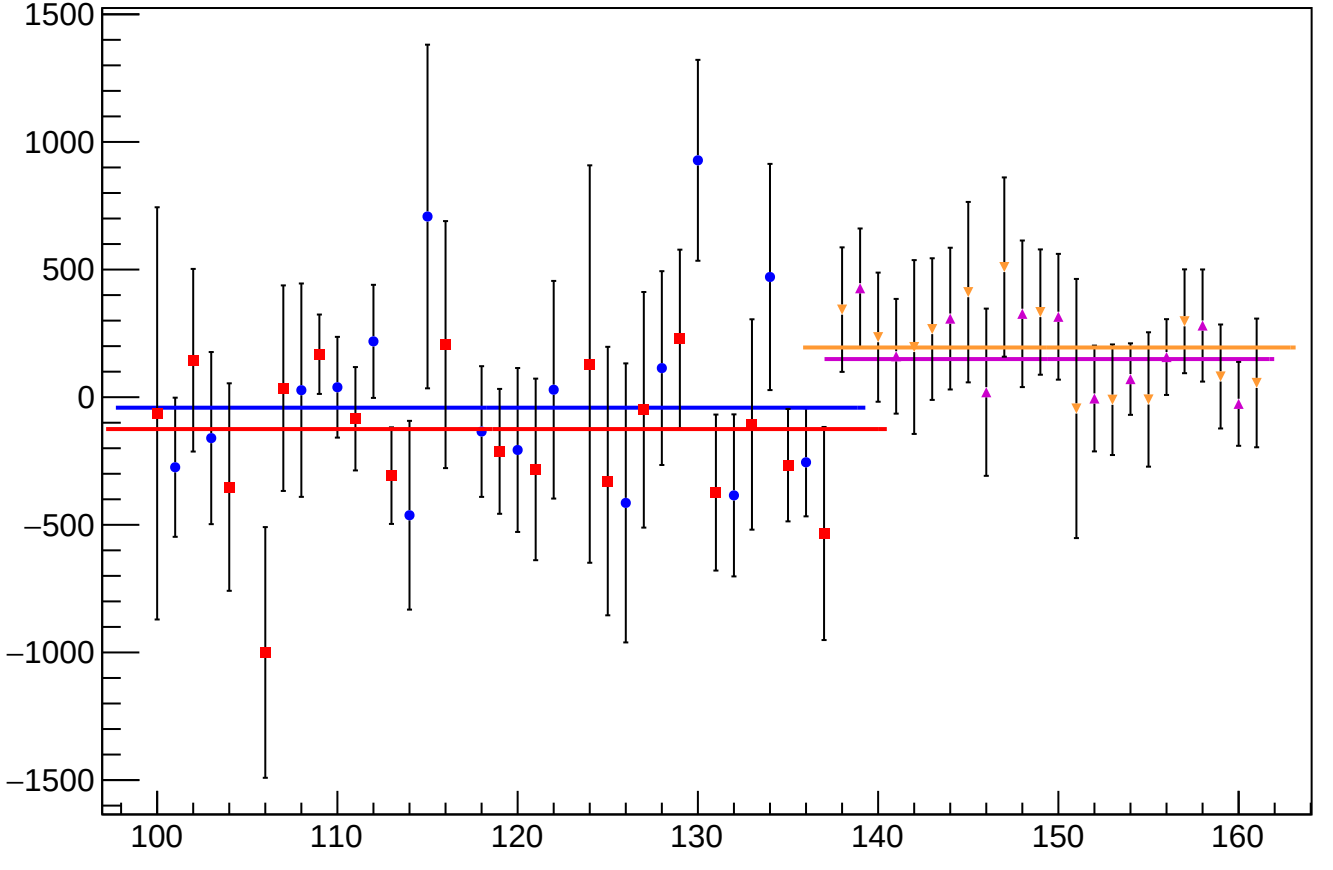
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.014+/-0.003 χ^2/NDF:95613.4/26

Out: 17.161+/-0.003 χ^2/NDF:85144.5/31

All: 17.089+/-0.002 χ^2/NDF: 182047.1/58

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 194.744+/-72.474 χ^2/NDF:4.5/12

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 149.392+/-61.286 χ^2/NDF:5.1/10

Left: 168.301+/-46.797 χ^2/NDF: 9.9/23

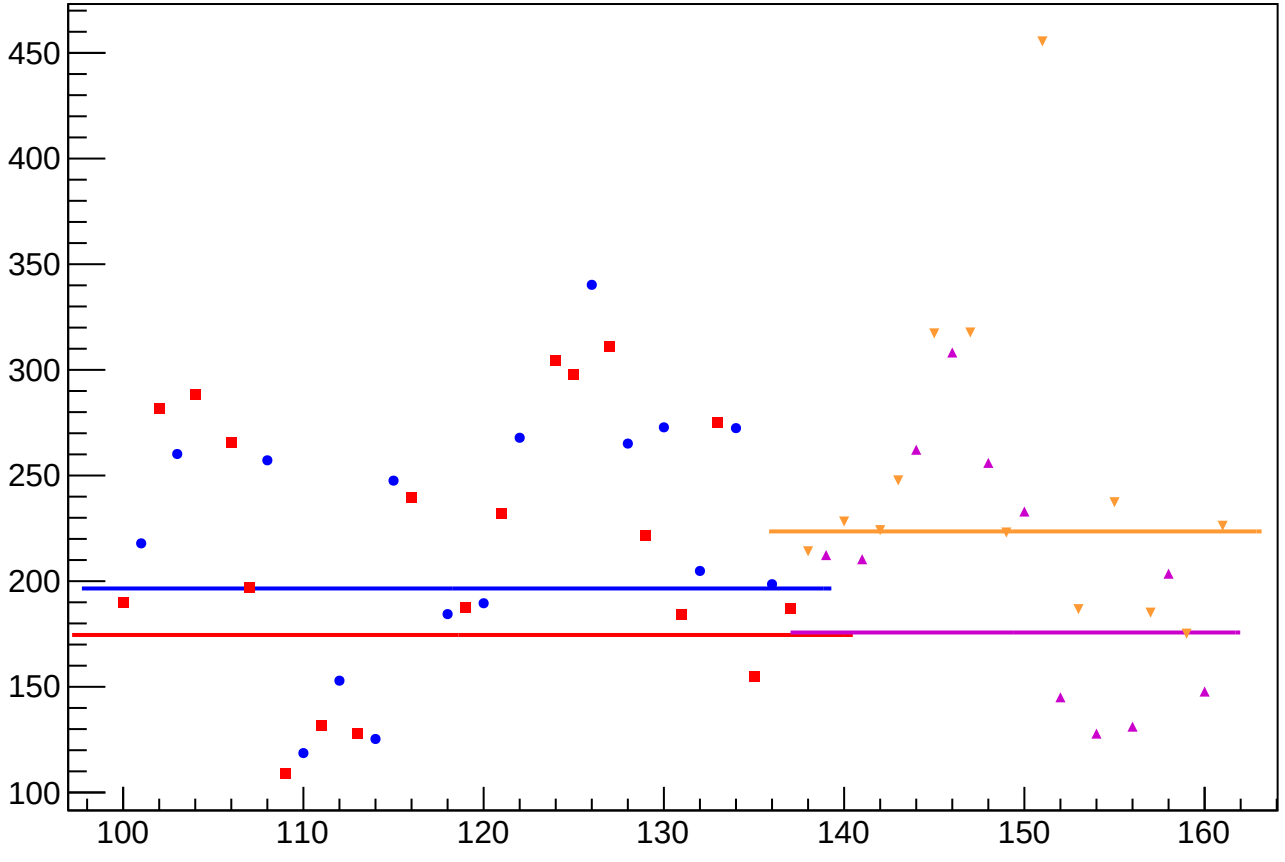
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 75.674+/-47.985 χ^2/NDF:24.4/26

Out: 27.343+/-50.015 χ^2/NDF:27.6/31

All: 52.509+/-34.626 χ^2/NDF: 52.5/58

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.544+/-0.051 χ^2/NDF:968229.7/12

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

Left: 195.654+/-0.033 χ^2/NDF: 2905430.0/23

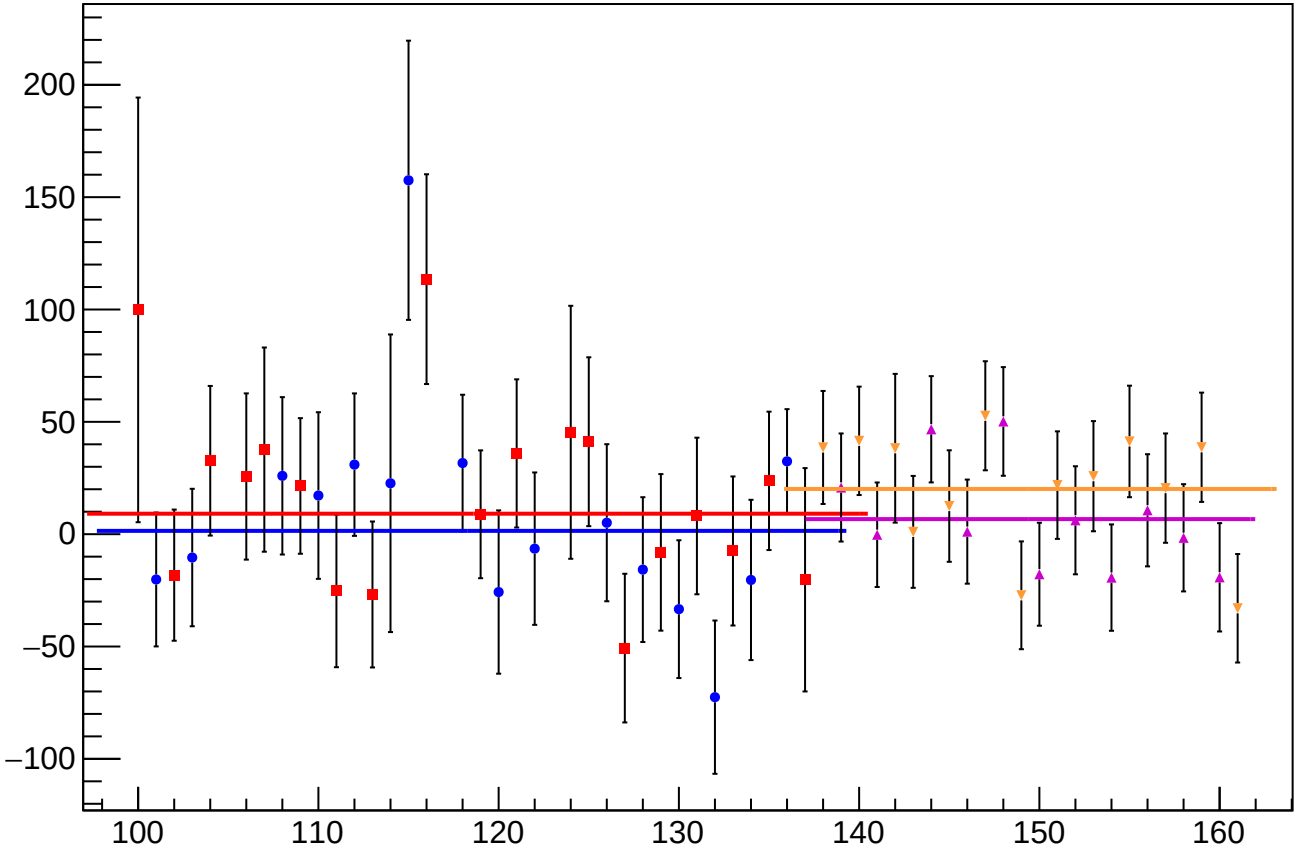
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 183.772+/-0.034 χ^2/NDF:2519415.5/26

Out: 197.878+/-0.035 χ^2/NDF:3035872.2/31

All: 190.533+/-0.024 χ^2/NDF: 5638126.5/58

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 20.133+/-6.899 χ^2/NDF:14.2/12

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 6.707+/-7.173 χ^2/NDF:10.2/10

Left: 13.681+/-4.972 χ^2/NDF: 26.3/23

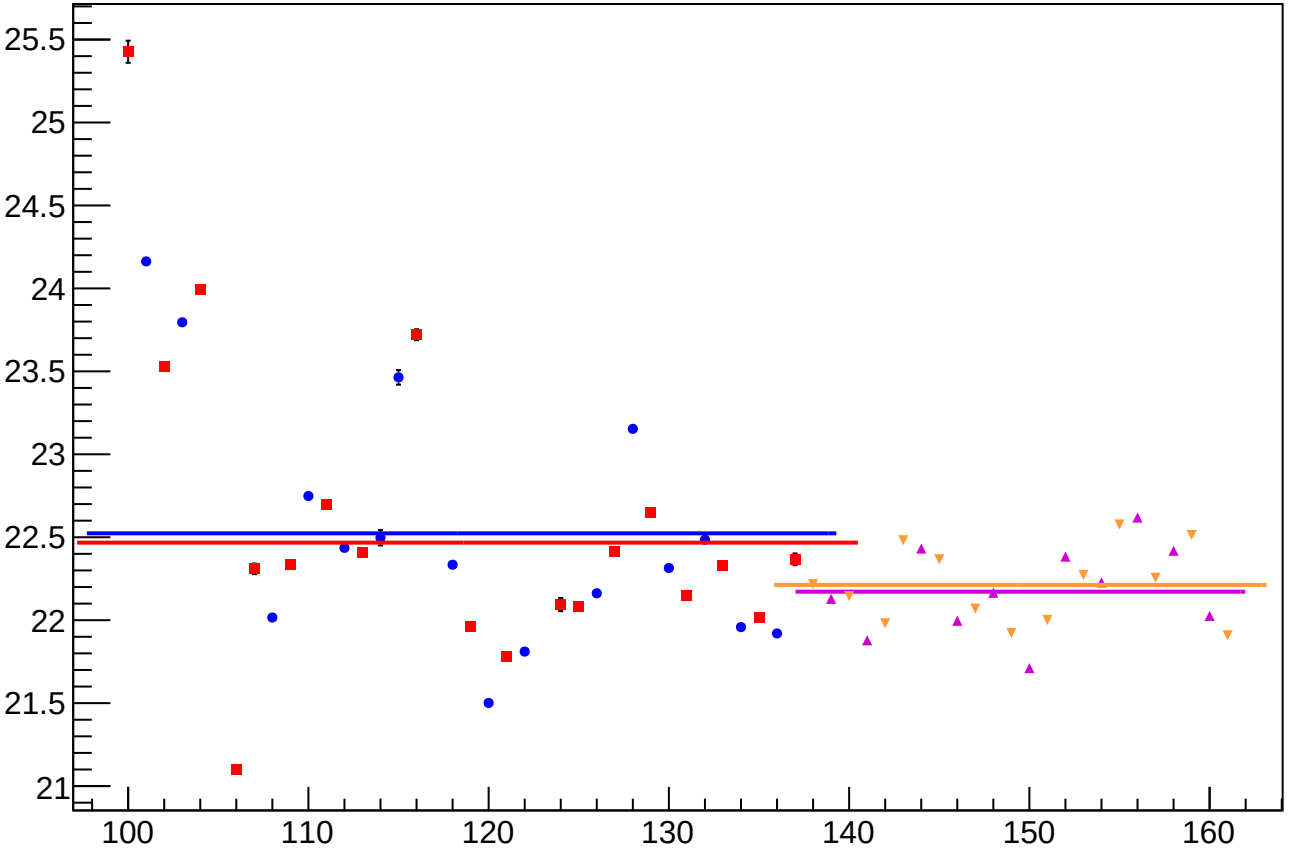
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.492+/-5.447 χ^2/NDF:29.1/26

Out: 15.564+/-5.278 χ^2/NDF:31.7/31

All: 10.201+/-3.791 χ^2/NDF: 63.0/58

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: 22.213+/-0.005 χ^2/NDF:2012.4/12

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

Left: 22.193+/-0.004 χ^2/NDF: 4628.7/23

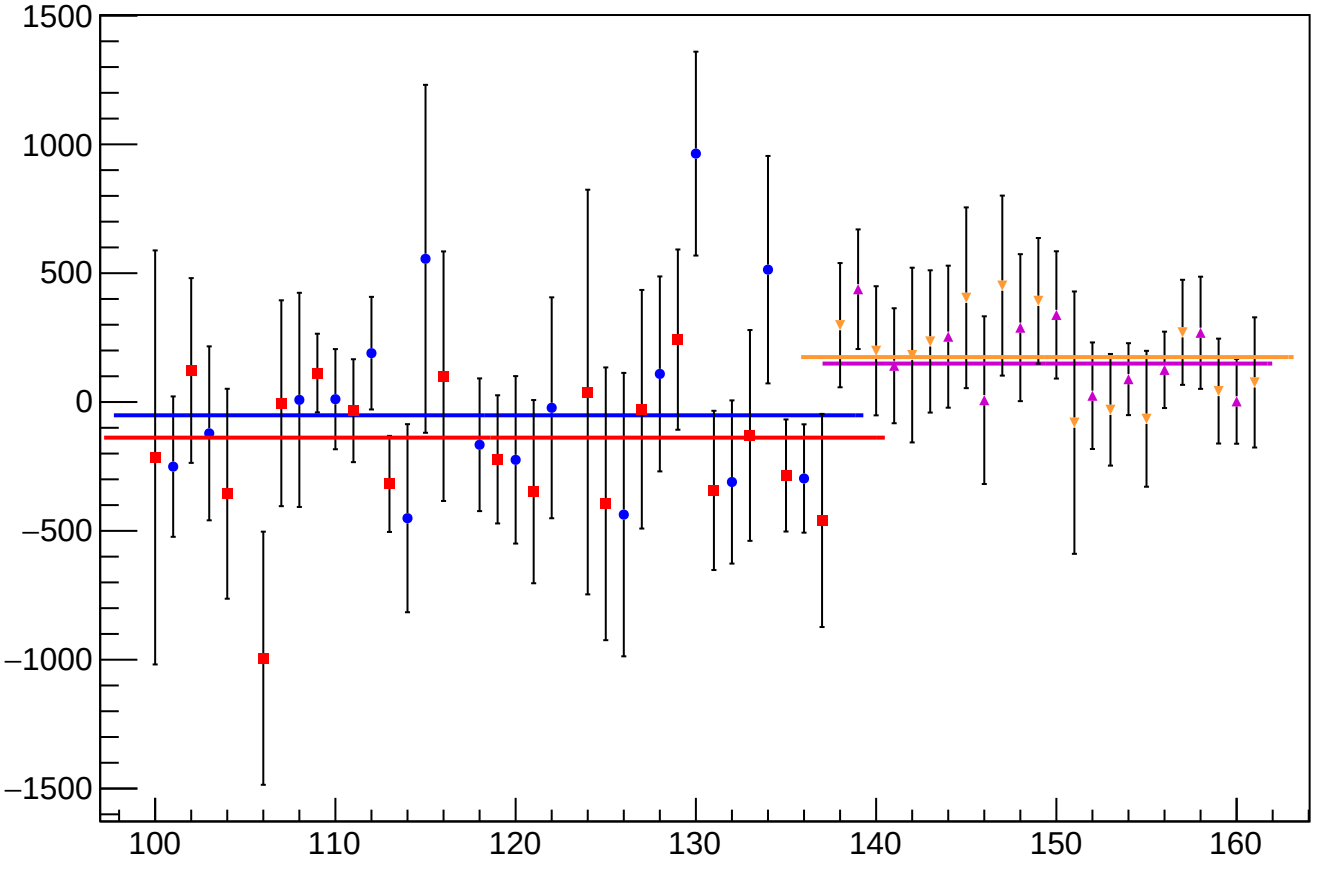
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.321+/-0.004 χ^2/NDF:20565.8/26

Out: 22.318+/-0.004 χ^2/NDF:18769.8/31

All: 22.320+/-0.003 χ^2/NDF: 39335.8/58

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 174.448+/-72.258 χ^2/NDF:4.9/12

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 149.251+/-61.060 χ^2/NDF:4.4/10

Left: 159.748+/-46.638 χ^2/NDF: 9.4/23

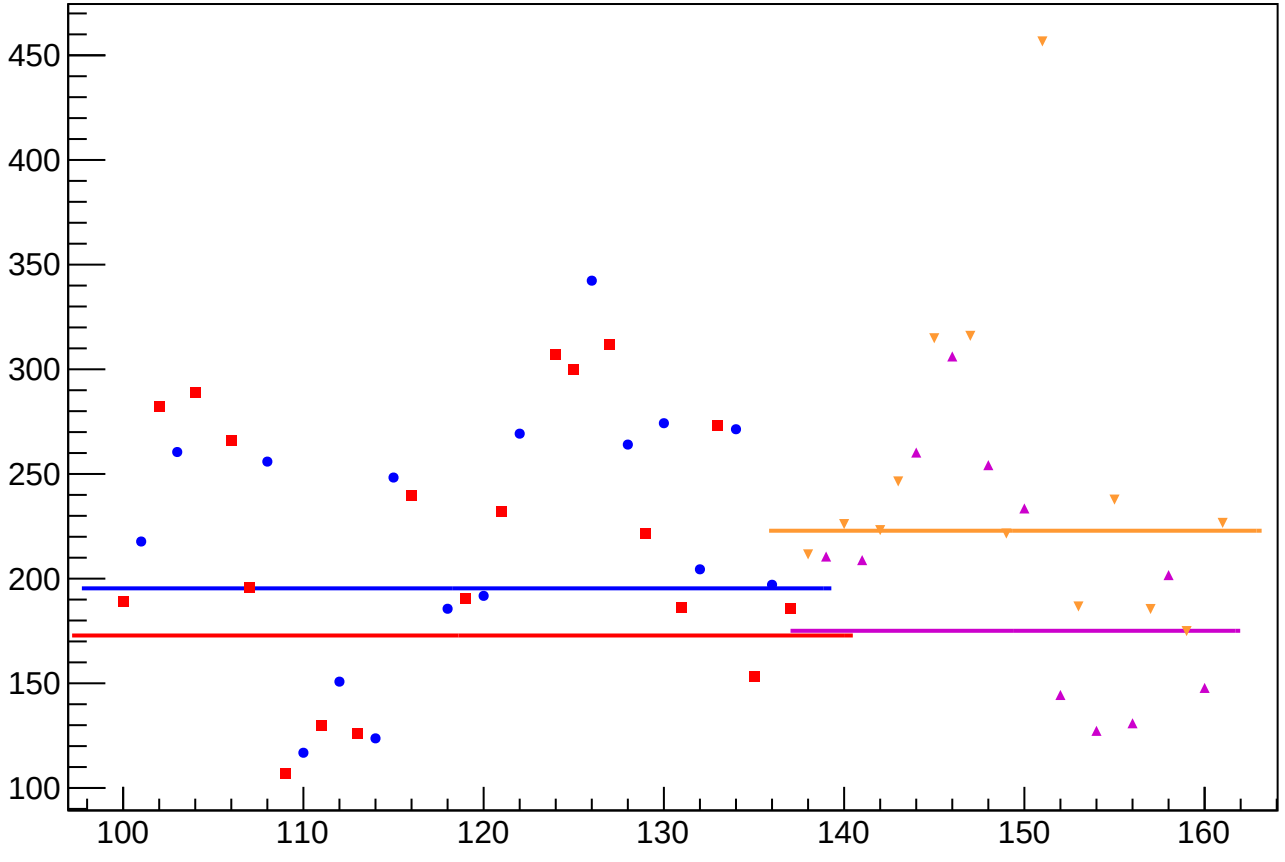
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 71.502+/-47.795 χ^2/NDF:23.9/26

Out: 10.076+/-49.760 χ^2/NDF:26.4/31

All: 42.025+/-34.470 χ^2/NDF: 51.1/58

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.888+/-0.051 χ^2/NDF:961309.0/12

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

Left: 194.999+/-0.033 χ^2/NDF: 2886626.8/23

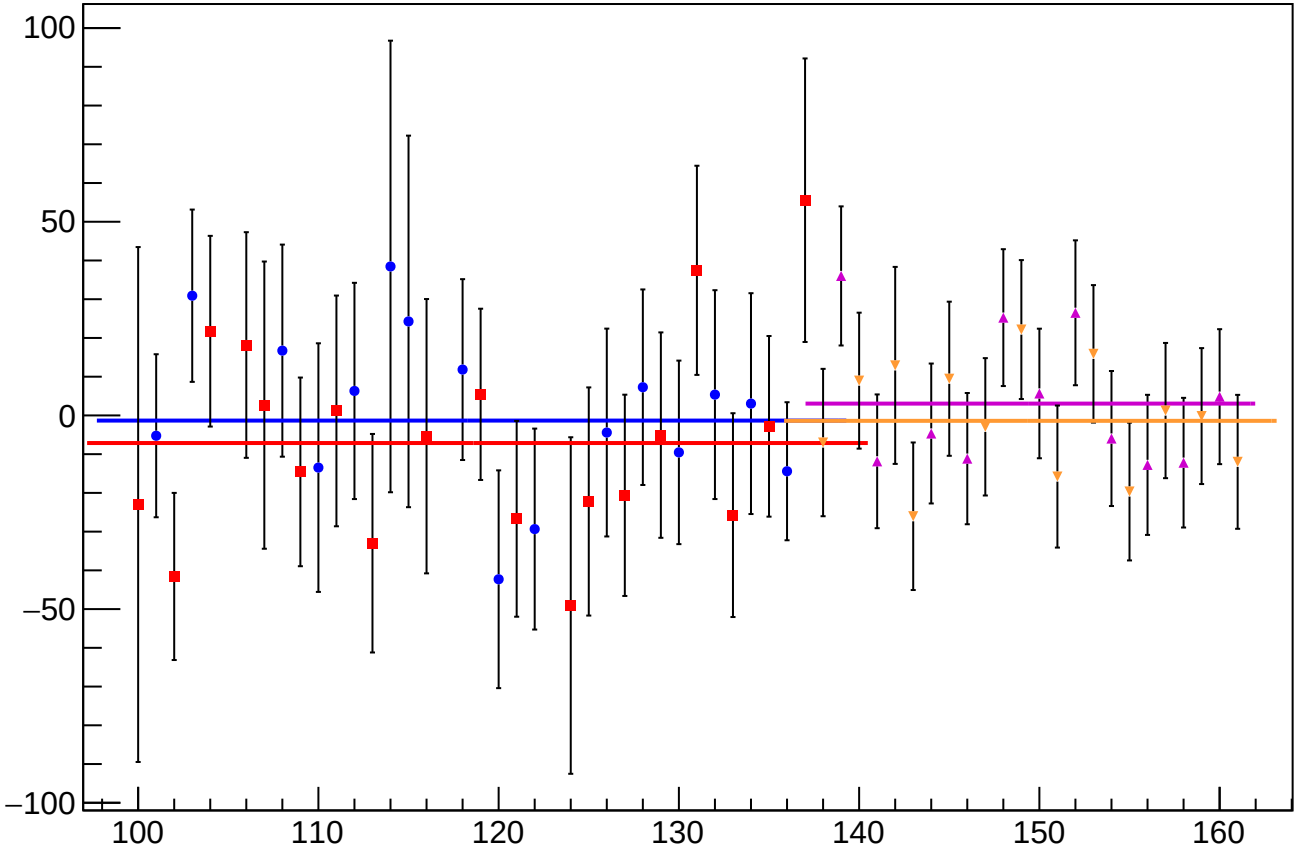
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 182.937+/-0.034 χ^2/NDF:2541472.1/26

Out: 196.573+/-0.035 χ^2/NDF:3125271.1/31

All: 189.480+/-0.024 χ^2/NDF: 5744858.0/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -1.398+/-5.109 χ^2/NDF:7.5/12

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 3.052+/-5.281 χ^2/NDF:10.0/10

Left: 0.753+/-3.672 χ^2/NDF: 17.9/23

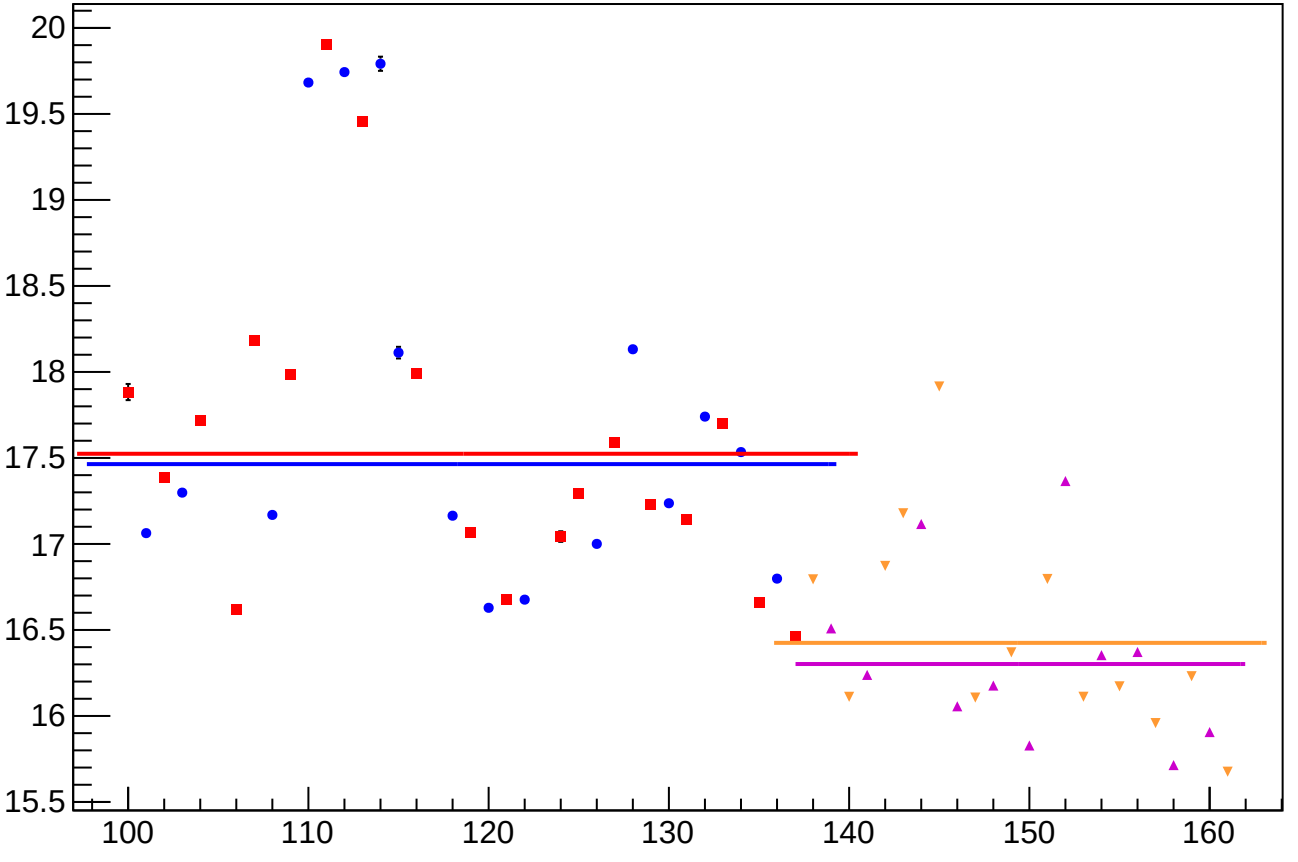
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.309+/-4.098 χ^2/NDF:18.3/26

Out: -3.627+/-3.993 χ^2/NDF:22.4/31

All: -1.223+/-2.860 χ^2/NDF: 41.5/58

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: 16.425+/-0.004 χ^2/NDF:24303.7/12

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

Left: 16.366+/-0.003 χ^2/NDF: 41358.6/23

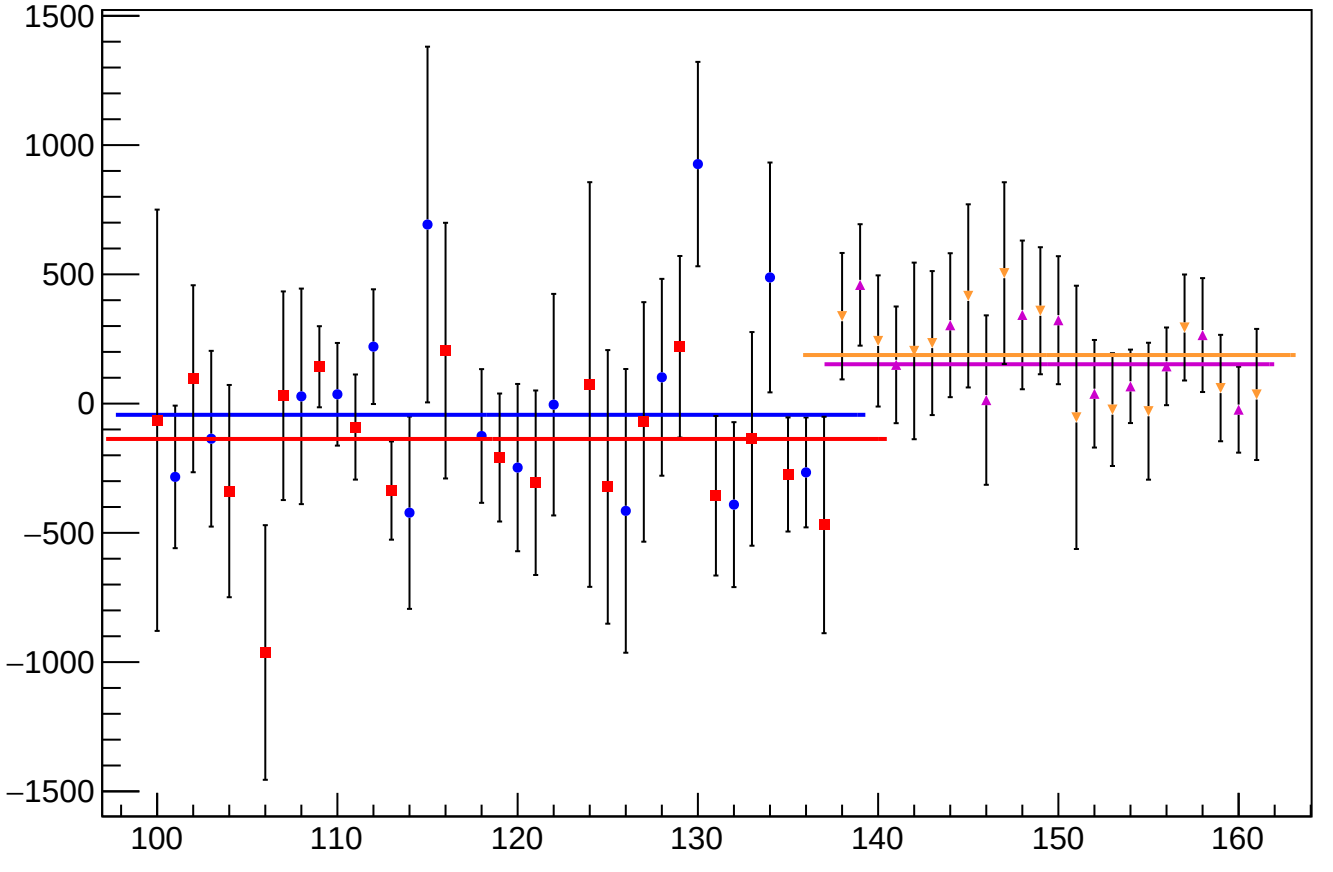
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.764+/-0.003 χ^2/NDF:91668.4/26

Out: 16.853+/-0.003 χ^2/NDF:95059.5/31

All: 16.810+/-0.002 χ^2/NDF: 187205.8/58

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: 187.876+/-72.856 χ^2/NDF:5.0/12

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 152.262+/-61.779 χ^2/NDF:5.1/10

Left: 167.158+/-47.119 χ^2/NDF: 10.3/23

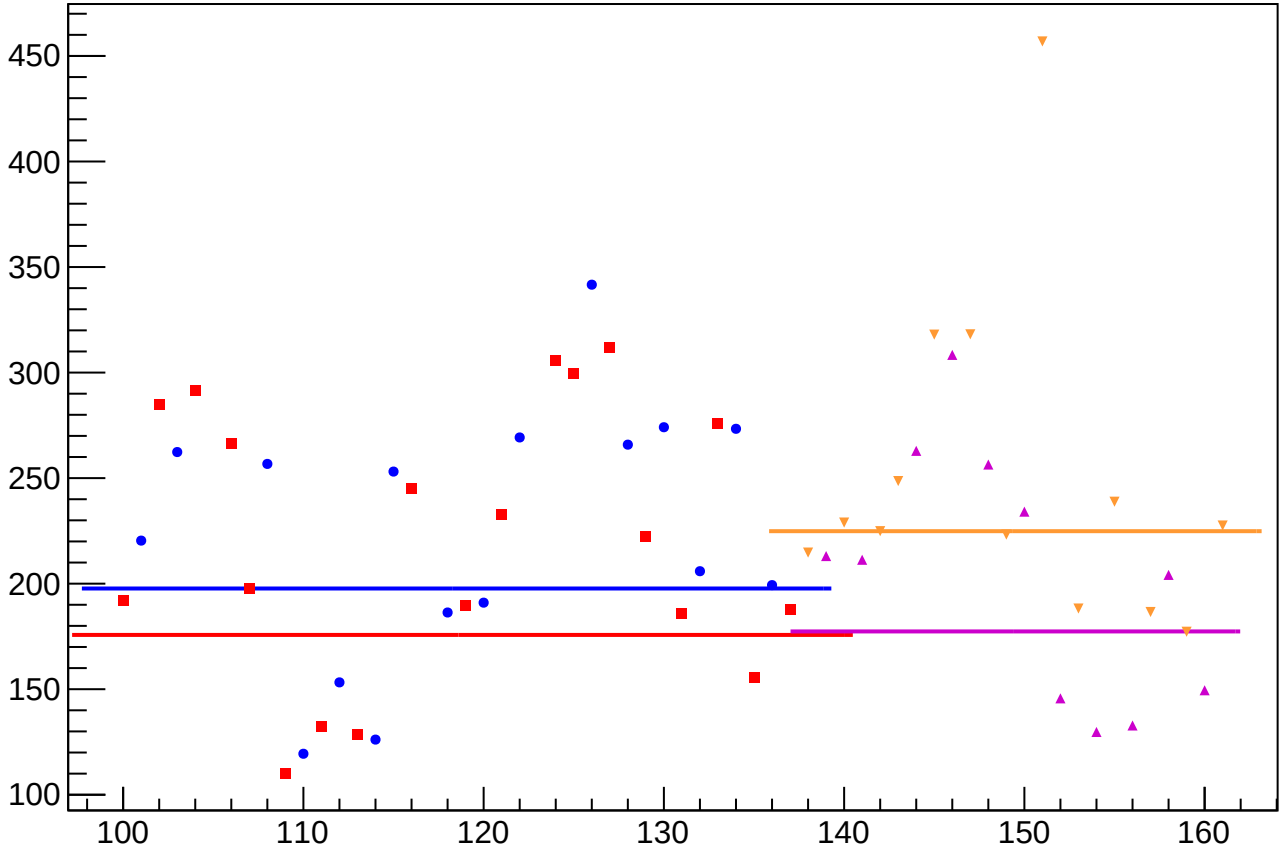
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 76.346+/-48.328 χ^2/NDF:24.5/26

Out: 18.032+/-50.310 χ^2/NDF:26.9/31

All: 48.360+/-34.853 χ^2/NDF: 52.1/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.863+/-0.052 χ^2/NDF:951671.6/12

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

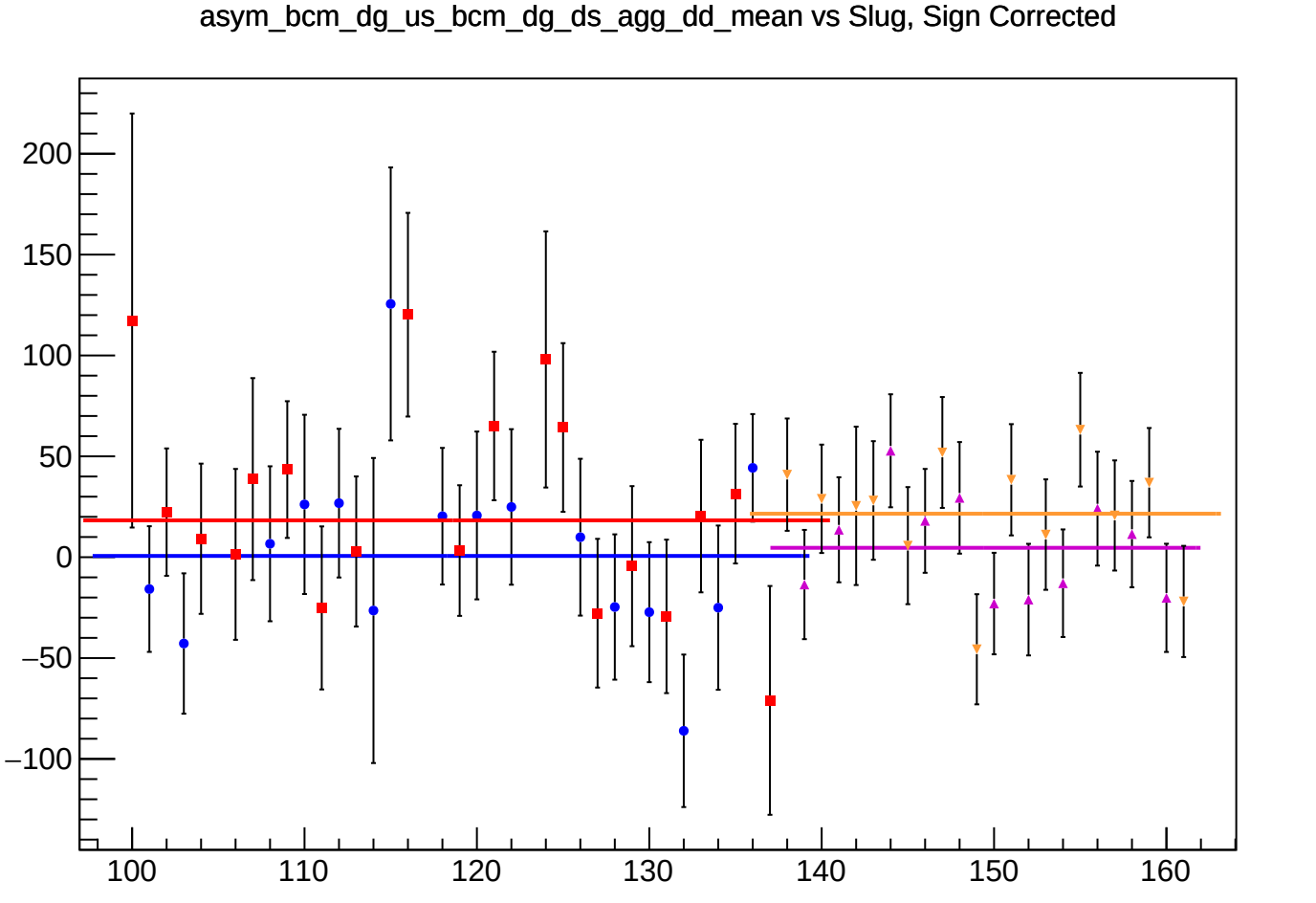
Left: 197.234+/-0.033 χ^2/NDF: 2834922.3/23

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

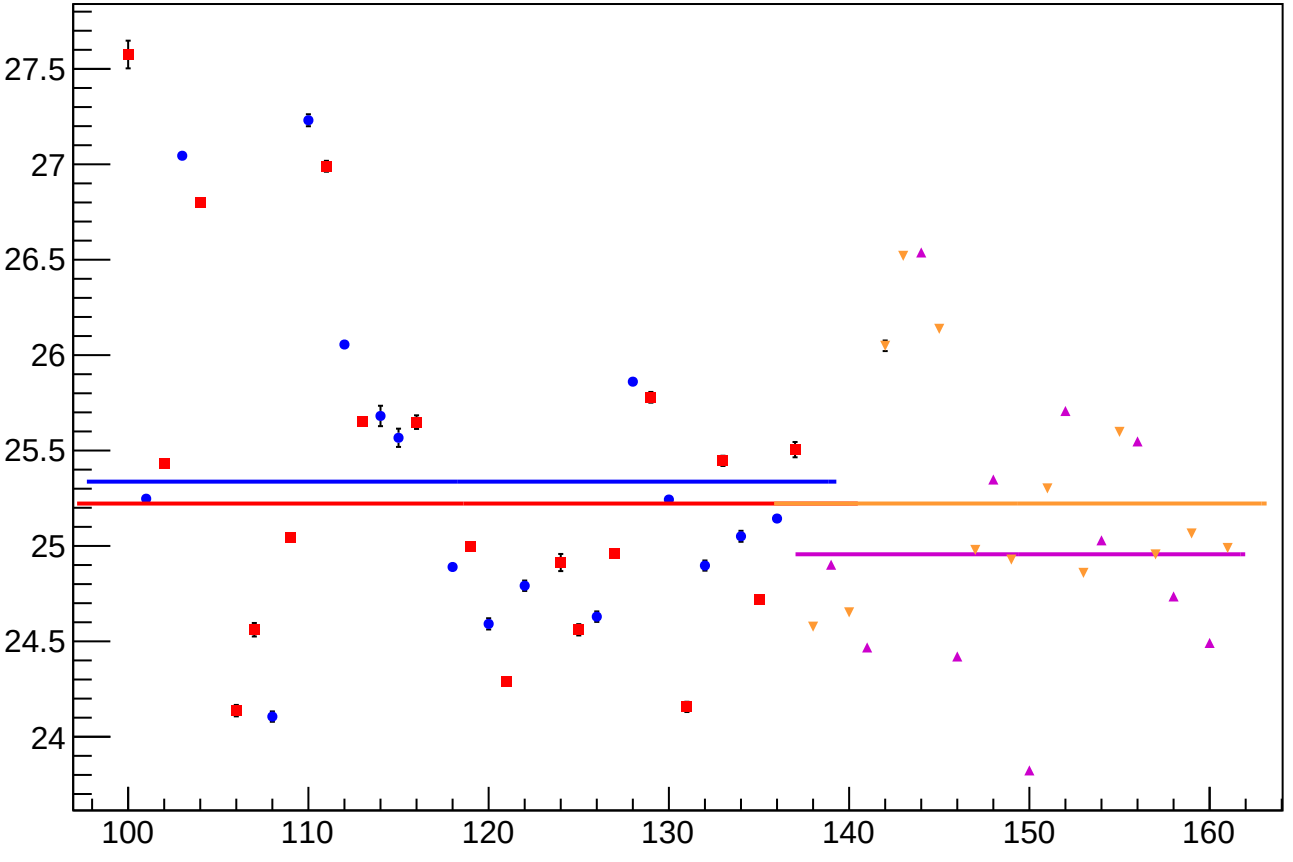
In: 185.260+/-0.034 χ^2/NDF:2473263.4/26

Out: 199.151+/-0.036 χ^2/NDF:3018358.9/31

All: 191.927+/-0.025 χ^2/NDF: 5570918.0/58


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 21.550+/-7.842 χ²/NDF:13.7/12
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 4.651+/-8.084 χ²/NDF:8.5/10
Left: 13.357+/-5.629 χ²/NDF: 24.4/23
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 2.941+/-6.135 χ²/NDF:25.3/26
Out: 20.162+/-5.970 χ²/NDF:31.8/31
All: 11.786+/-4.279 χ²/NDF: 61.1/58

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.222+/-0.006 χ^2/NDF:10265.7/12

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

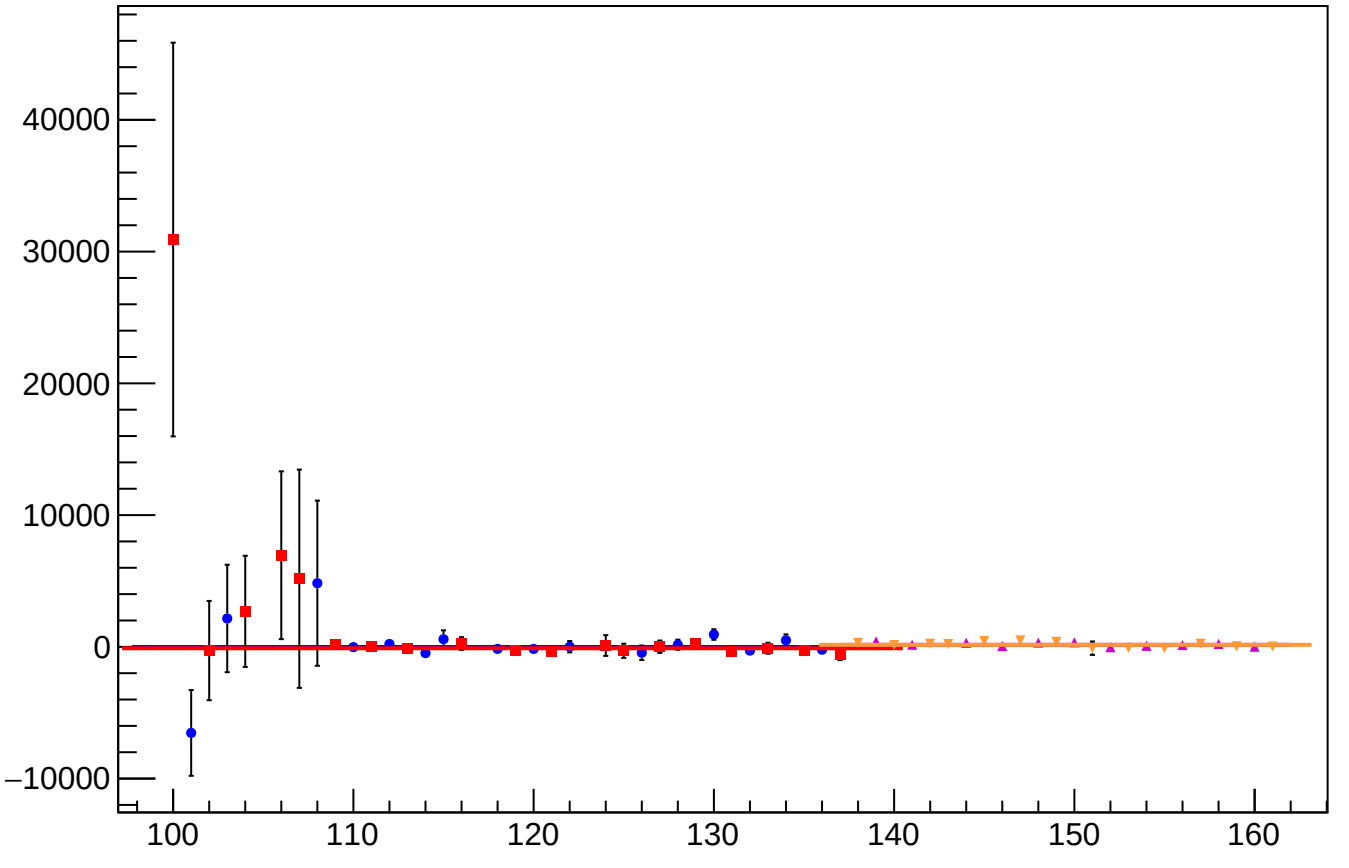
Left: 25.093+/-0.004 χ^2/NDF: 26897.6/23

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.118+/-0.004 χ^2/NDF:31711.7/26

Out: 25.222+/-0.004 χ^2/NDF:25490.1/31

All: 25.171+/-0.003 χ^2/NDF: 57500.1/58



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 152.099+/-74.380 χ^2/NDF:5.6/12

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 150.549+/-63.248 χ^2/NDF:4.3/10

Left: 151.199+/-48.183 χ^2/NDF: 9.9/23

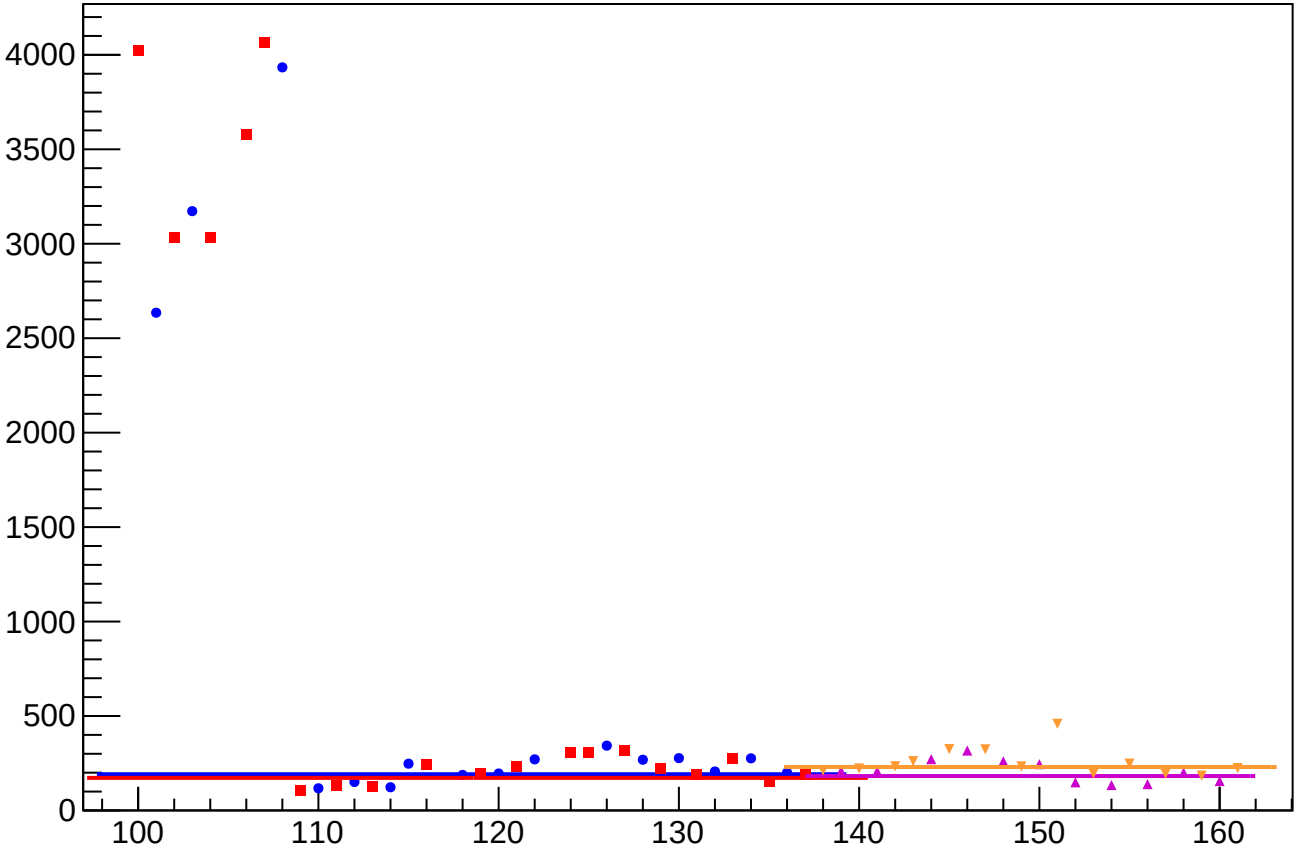
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 91.123+/-50.678 χ^2/NDF:25.0/26

Out: 27.997+/-53.861 χ^2/NDF:25.5/31

All: 61.481+/-36.909 χ^2/NDF: 51.3/58

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: 229.933+/-0.053 χ^2/NDF:918923.9/12

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.179+/-0.045 χ^2/NDF:1295586.0/10

Left: 202.219+/-0.034 χ^2/NDF: 2692961.1/23

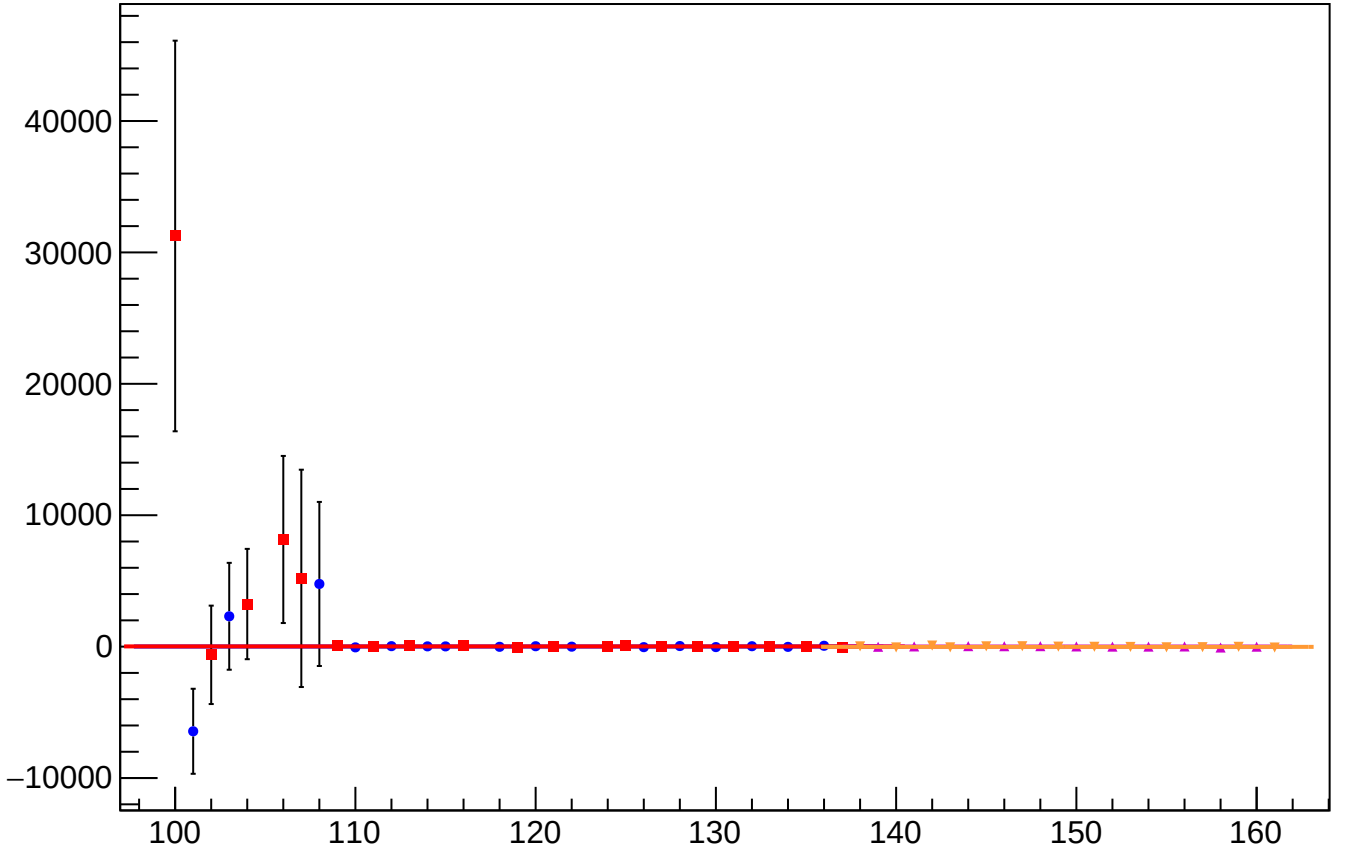
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.600+/-0.036 χ^2/NDF:5133736.1/26

Out: 202.599+/-0.038 χ^2/NDF:5789965.6/31

All: 193.582+/-0.026 χ^2/NDF: 11029363.8/58

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: -17.418+/-9.163 χ^2/NDF:17.2/12

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 6.029+/-9.569 χ^2/NDF:9.8/10

Left: -6.202+/-6.618 χ^2/NDF: 30.2/23

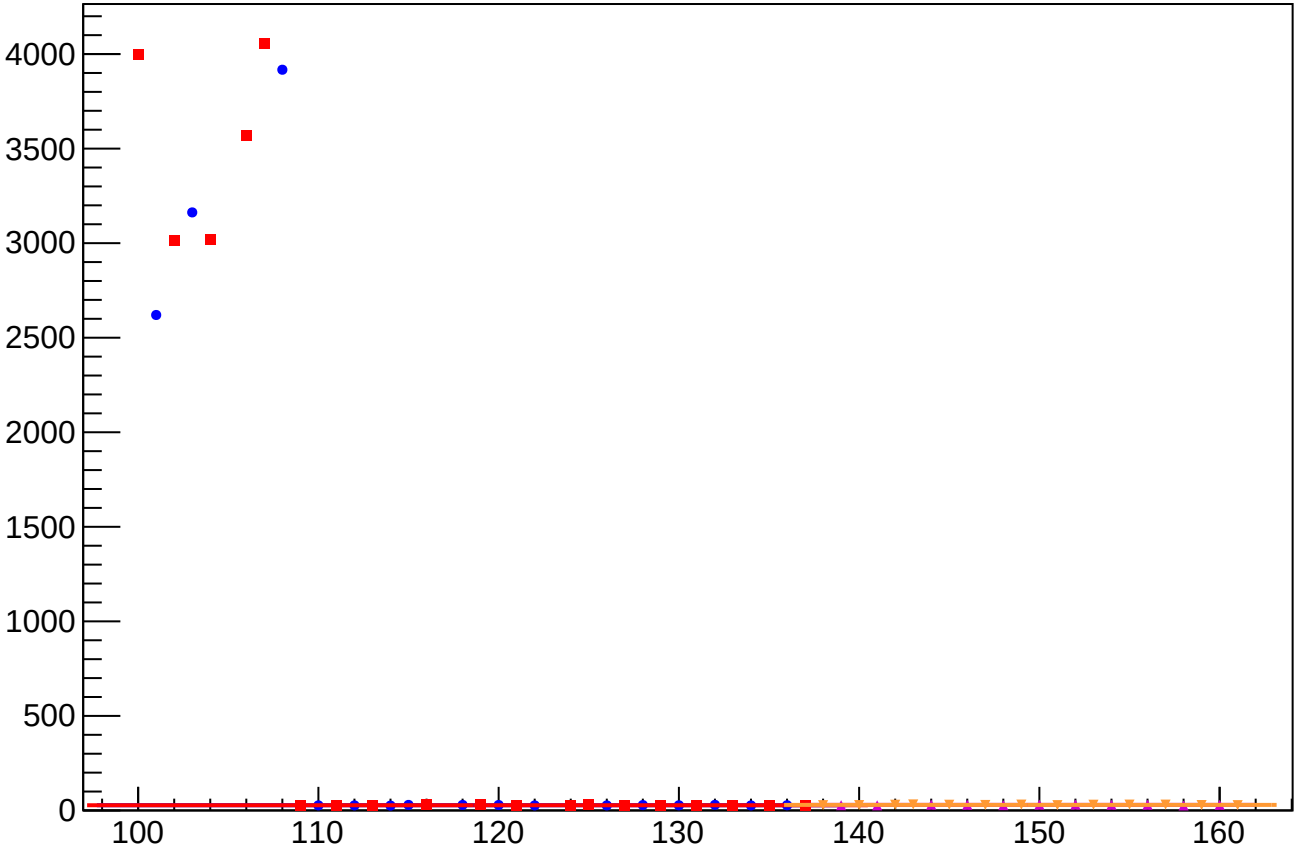
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.453+/-7.403 χ^2/NDF:25.9/26

Out: -4.063+/-7.238 χ^2/NDF:47.6/31

All: 1.565+/-5.176 χ^2/NDF: 74.8/58

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: 29.412+/-0.006 χ^2/NDF:40800.3/12

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.460+/-0.007 χ^2/NDF:66383.0/10

Left: 29.435+/-0.005 χ^2/NDF: 107209.7/23

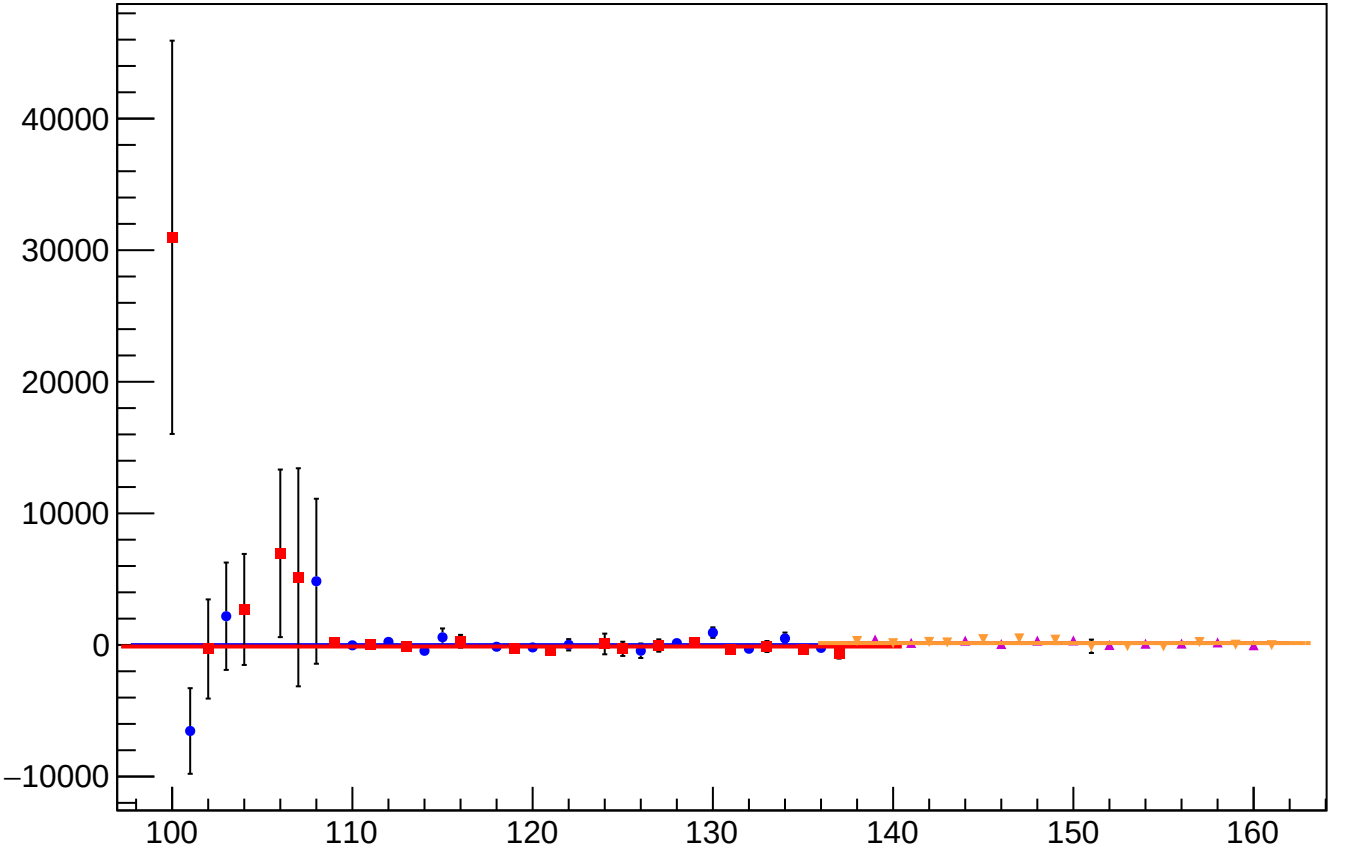
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.730+/-0.005 χ^2/NDF:3360868.2/26

Out: 28.706+/-0.005 χ^2/NDF:3627583.8/31

All: 28.718+/-0.004 χ^2/NDF: 6988462.8/58

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: 142.754+/-74.218 χ^2/NDF:6.2/12

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 146.976+/-63.126 χ^2/NDF:4.5/10

Left: 145.204+/-48.085 χ^2/NDF: 10.7/23

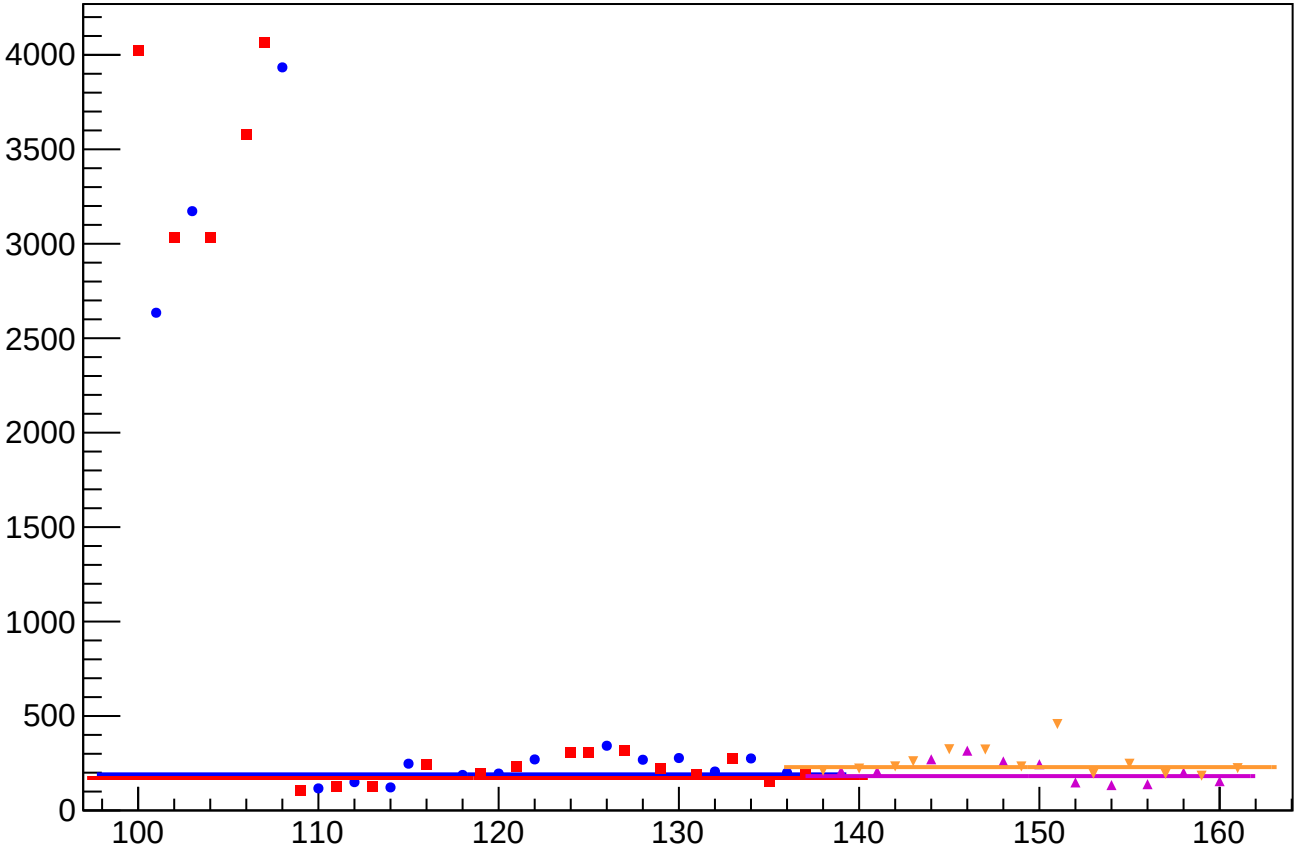
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 89.577+/-50.562 χ^2/NDF:25.1/26

Out: 18.592+/-53.722 χ^2/NDF:26.6/31

All: 56.233+/-36.819 χ^2/NDF: 52.6/58

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 229.436+/-0.052 χ^2/NDF:918843.8/12

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

Left: 201.813+/-0.034 χ^2/NDF: 2691842.2/23

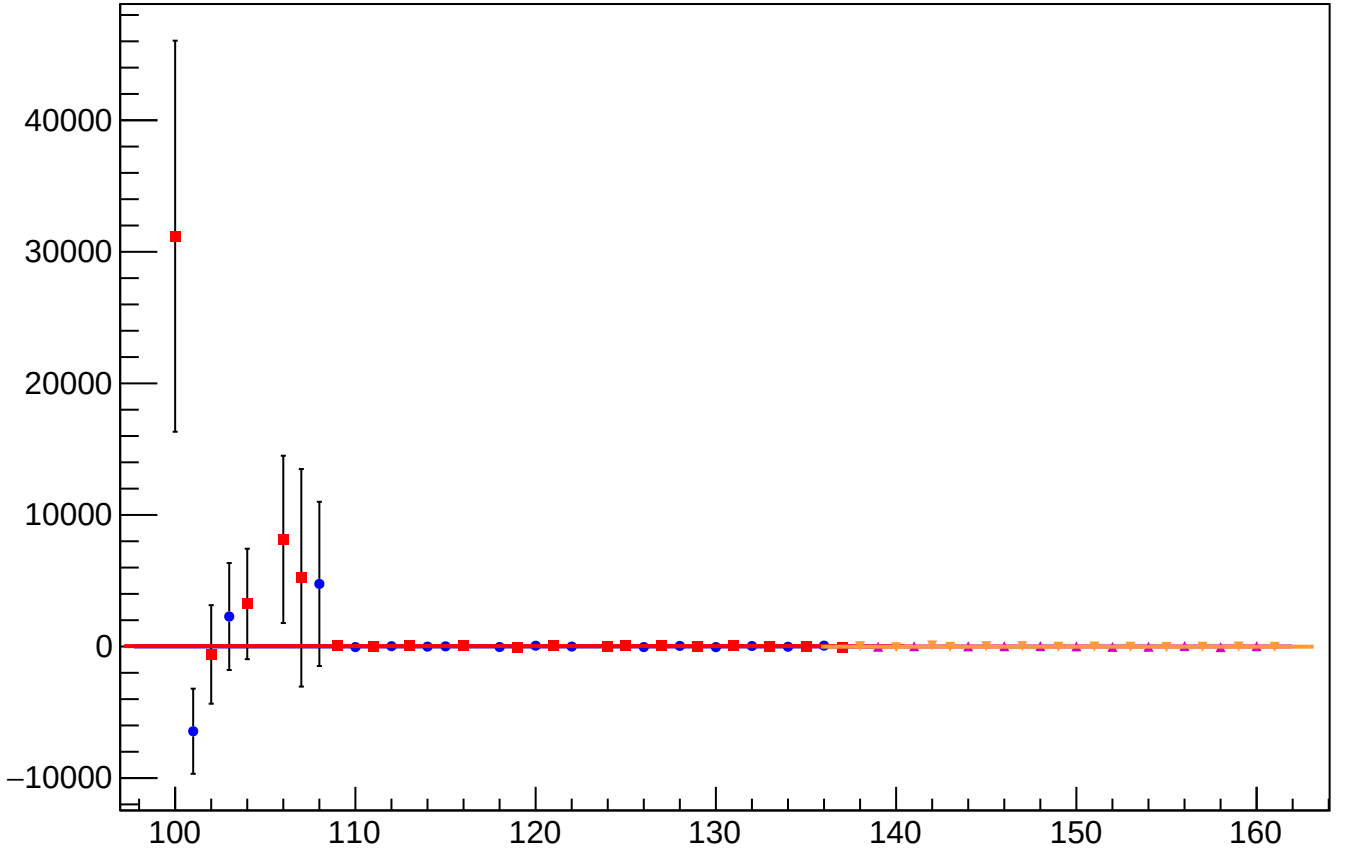
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.142+/-0.036 χ^2/NDF:5144843.1/26

Out: 202.015+/-0.038 χ^2/NDF:5807051.4/31

All: 193.068+/-0.026 χ^2/NDF: 11056515.8/58

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -11.052+/-9.238 χ^2/NDF:10.7/12

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 5.387+/-9.626 χ^2/NDF:7.5/10

Left: -3.171+/-6.665 χ^2/NDF: 19.7/23

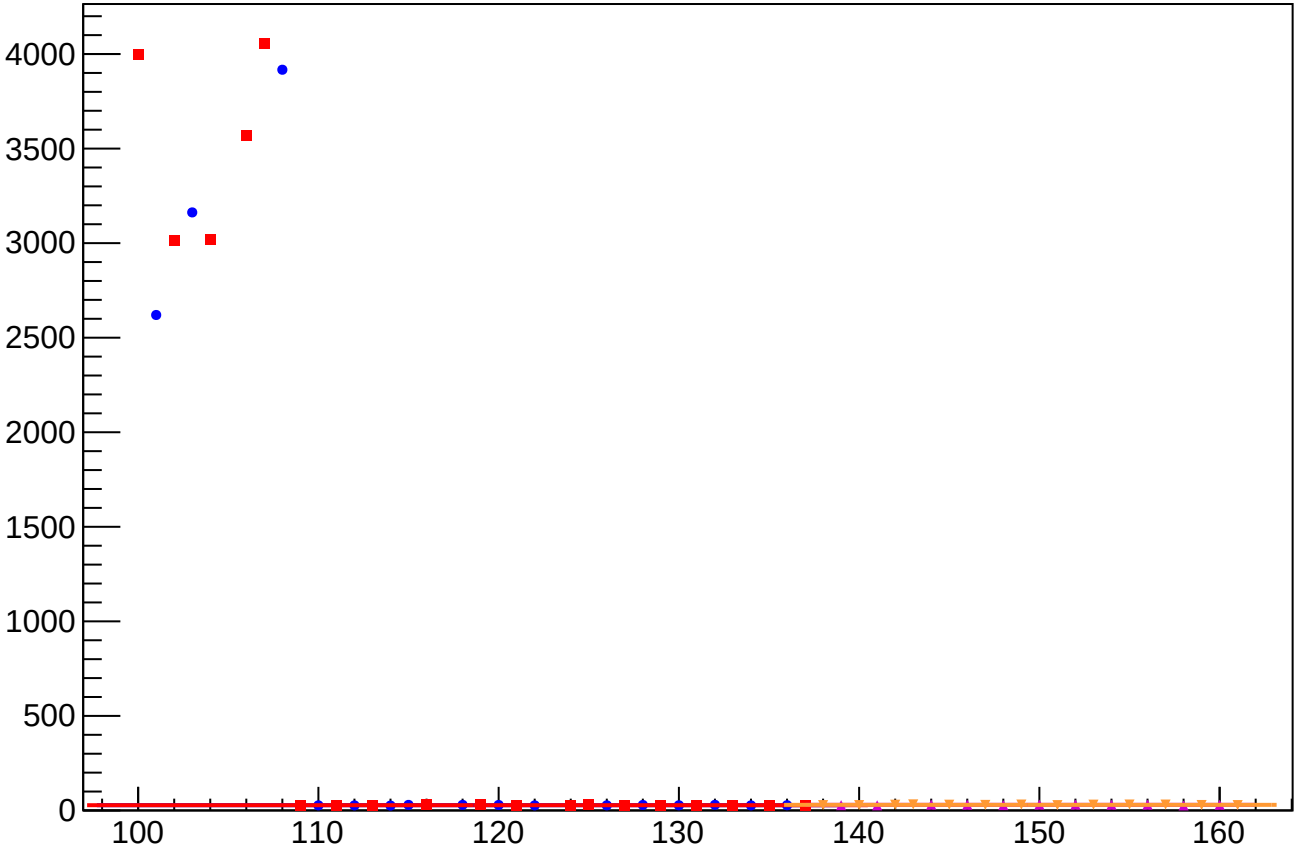
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 5.829+/-7.450 χ^2/NDF:25.8/26

Out: 4.743+/-7.297 χ^2/NDF:38.4/31

All: 5.275+/-5.213 χ^2/NDF: 64.1/58

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: 29.648+/-0.007 χ^2/NDF:42930.5/12

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

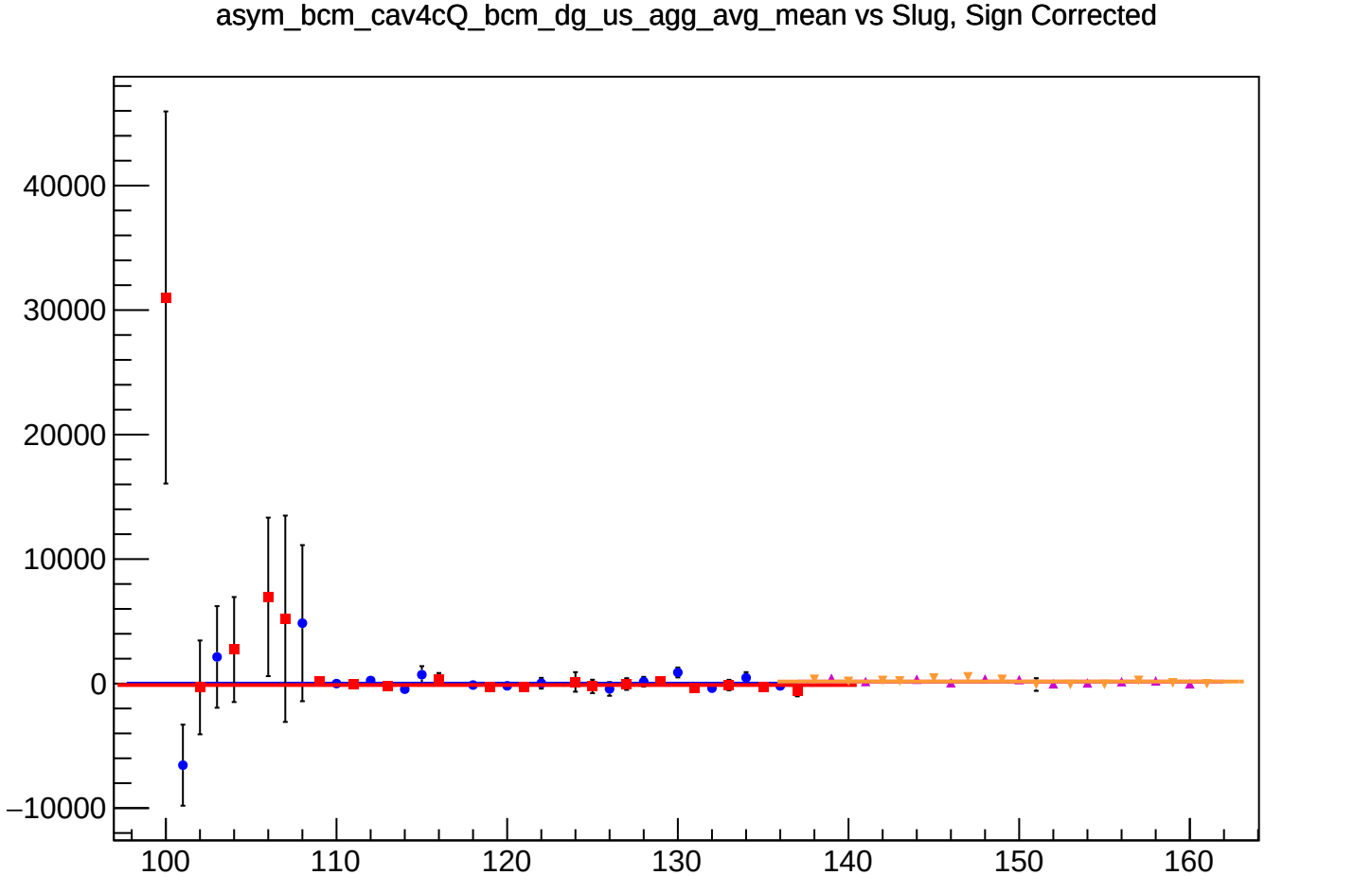
Left: 29.644+/-0.005 χ^2/NDF: 111683.3/23

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.911+/-0.005 χ^2/NDF:3363137.2/26

Out: 28.936+/-0.005 χ^2/NDF:3633247.2/31

All: 28.924+/-0.004 χ^2/NDF: 6996395.5/58



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 165.419+/-74.980 χ^2/NDF:5.8/12

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 153.945+/-63.962 χ^2/NDF:5.1/10

Left: 158.778+/-48.662 χ^2/NDF: 10.8/23

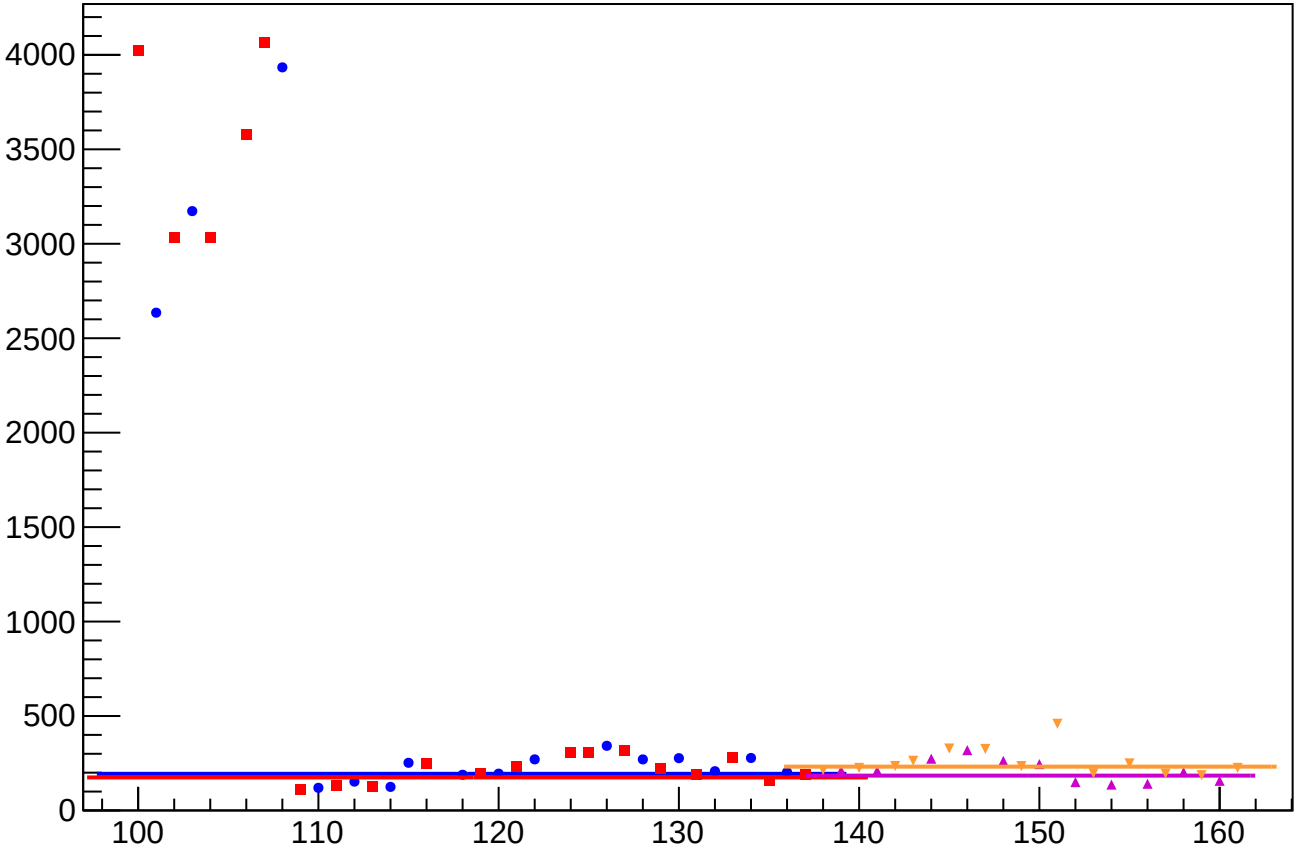
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.709+/-51.218 χ^2/NDF:25.4/26

Out: 32.084+/-54.369 χ^2/NDF:26.2/31

All: 66.853+/-37.281 χ^2/NDF: 52.5/58

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: 231.918+/-0.053 χ^2/NDF:908887.6/12

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.453+/-0.045 χ^2/NDF:1271840.0/10

Left: 204.445+/-0.034 χ^2/NDF: 2644632.0/23

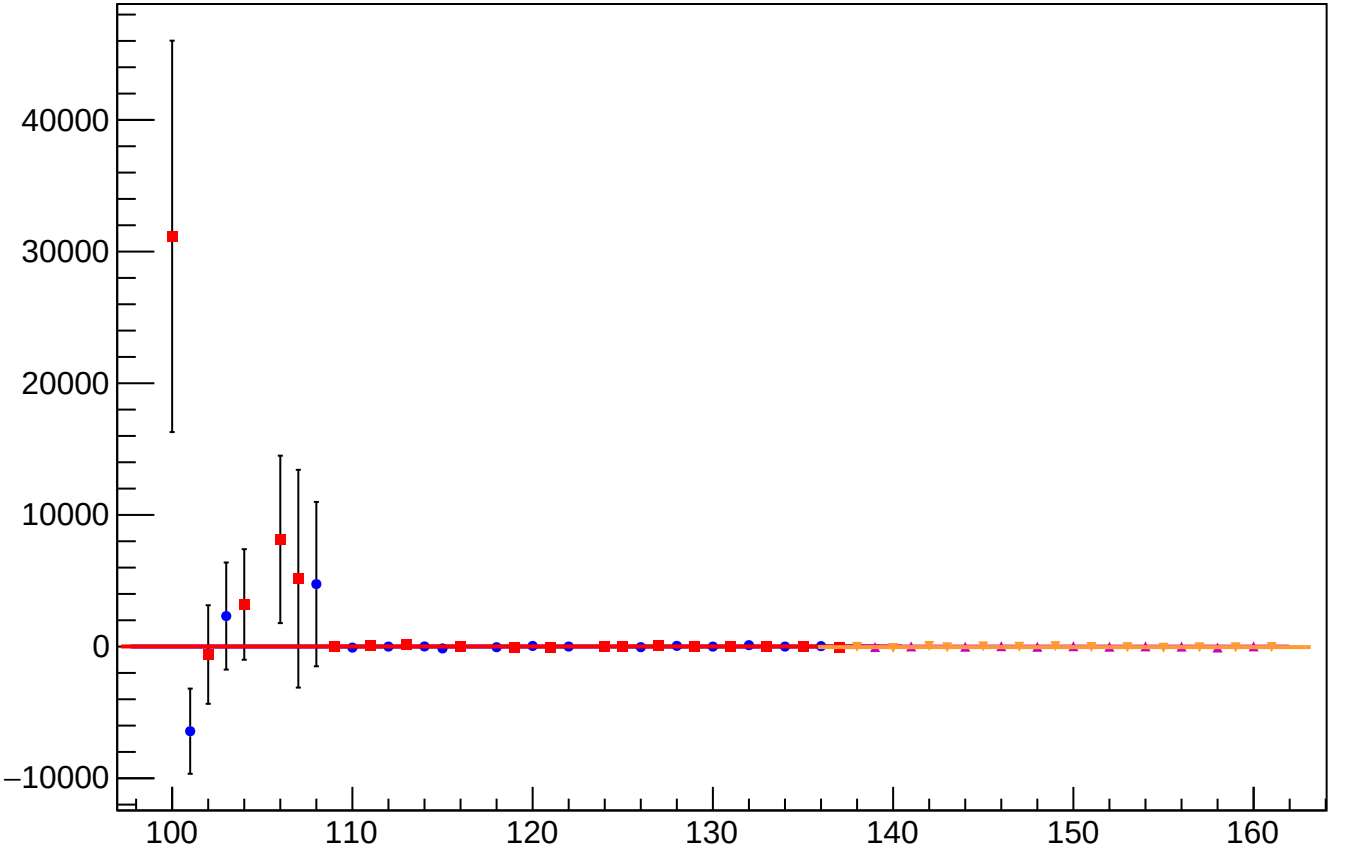
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.859+/-0.036 χ^2/NDF:5072115.9/26

Out: 204.822+/-0.038 χ^2/NDF:5718983.6/31

All: 195.835+/-0.026 χ^2/NDF: 10894253.1/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -38.634+/-10.859 χ^2/NDF:13.2/12

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -0.772+/-11.348 χ^2/NDF:6.6/10

Left: -20.536+/-7.846 χ^2/NDF: 25.6/23

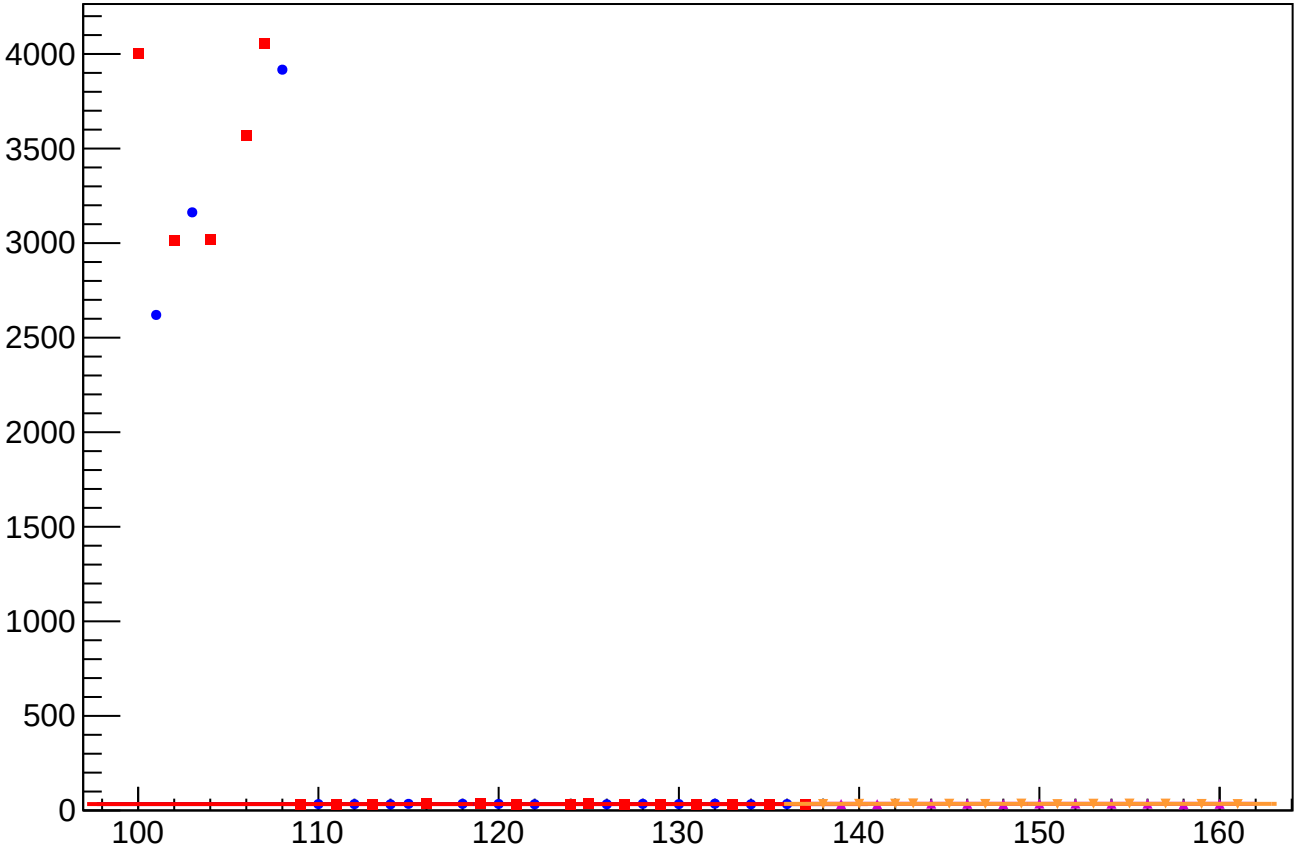
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 1.713+/-8.891 χ^2/NDF:24.2/26

Out: -21.052+/-8.677 χ^2/NDF:43.9/31

All: -9.946+/-6.210 χ^2/NDF: 71.4/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.908+/-0.008 χ^2/NDF:20241.4/12

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.015+/-0.008 χ^2/NDF:25785.1/10

Left: 34.959+/-0.006 χ^2/NDF: 46119.8/23

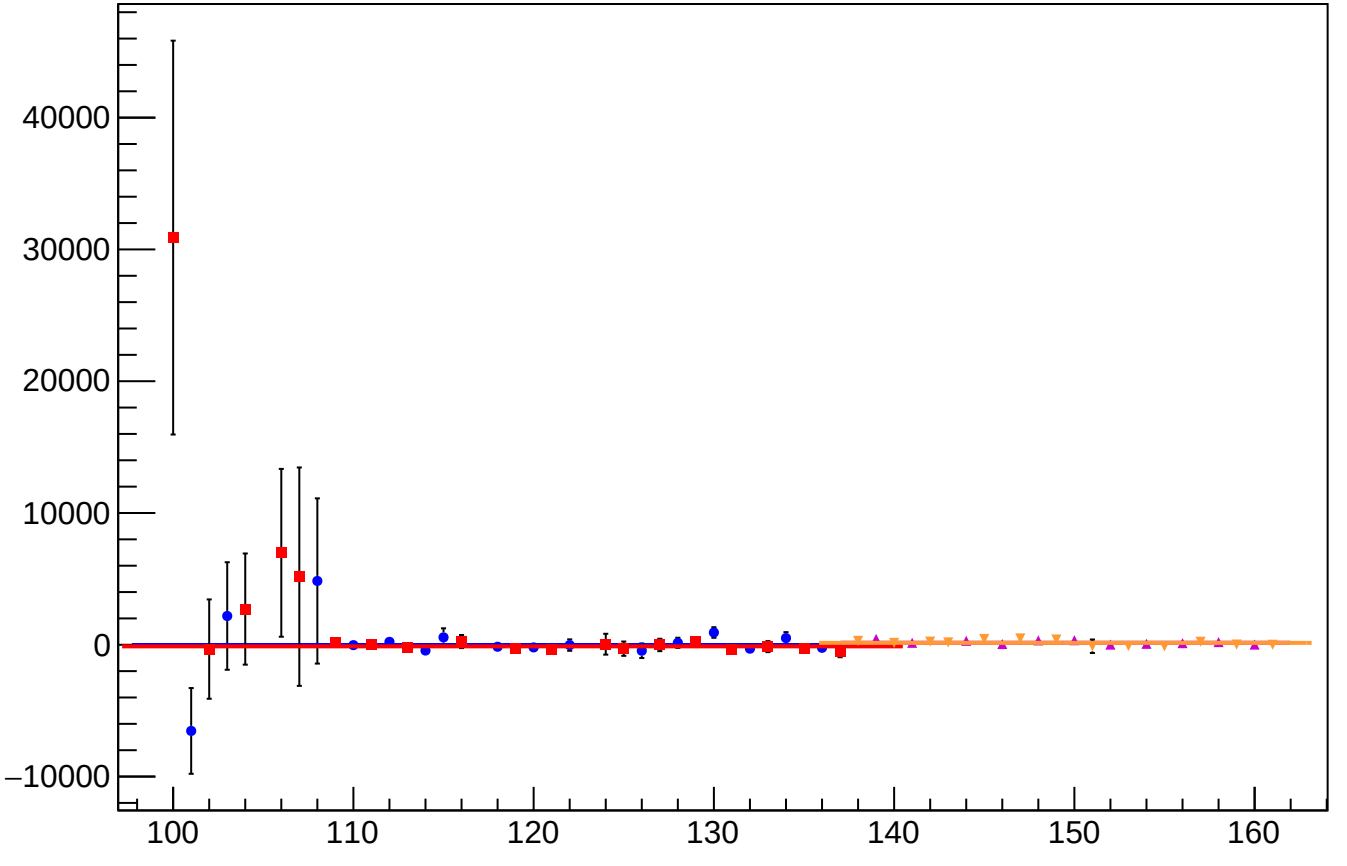
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.584+/-0.006 χ^2/NDF:3277629.8/26

Out: 34.481+/-0.006 χ^2/NDF:3555262.9/31

All: 34.531+/-0.004 χ^2/NDF: 6833031.7/58

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: 145.237+/-74.758 χ^2/NDF:6.1/12

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 153.905+/-63.741 χ^2/NDF:4.3/10

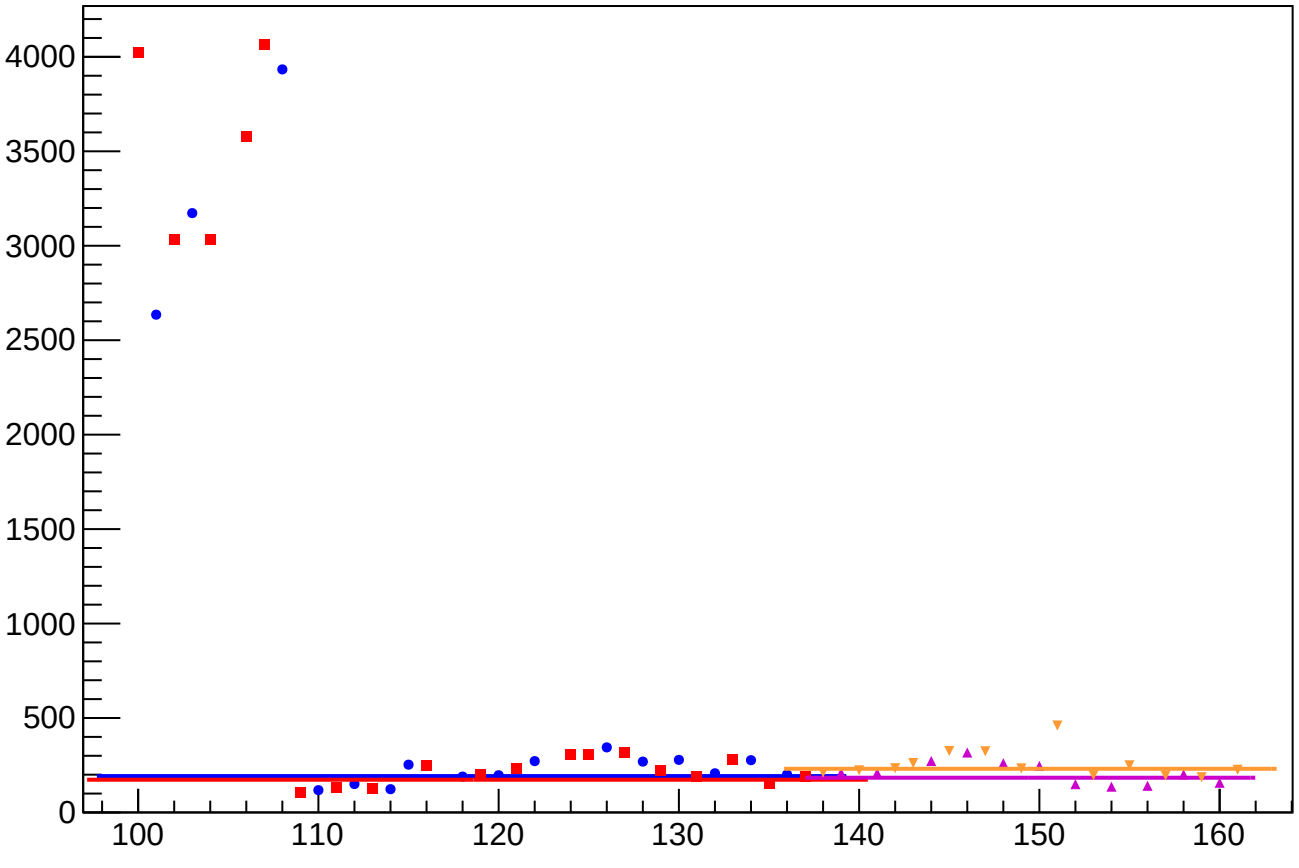
Left: 150.256+/-48.504 χ^2/NDF: 10.5/23

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 91.541+/-51.009 χ^2/NDF:25.2/26

Out: 19.052+/-54.122 χ^2/NDF:25.4/31

All: 57.441+/-37.120 χ^2/NDF: 51.5/58



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.233+/-0.053 χ^2/NDF:904265.5/12

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

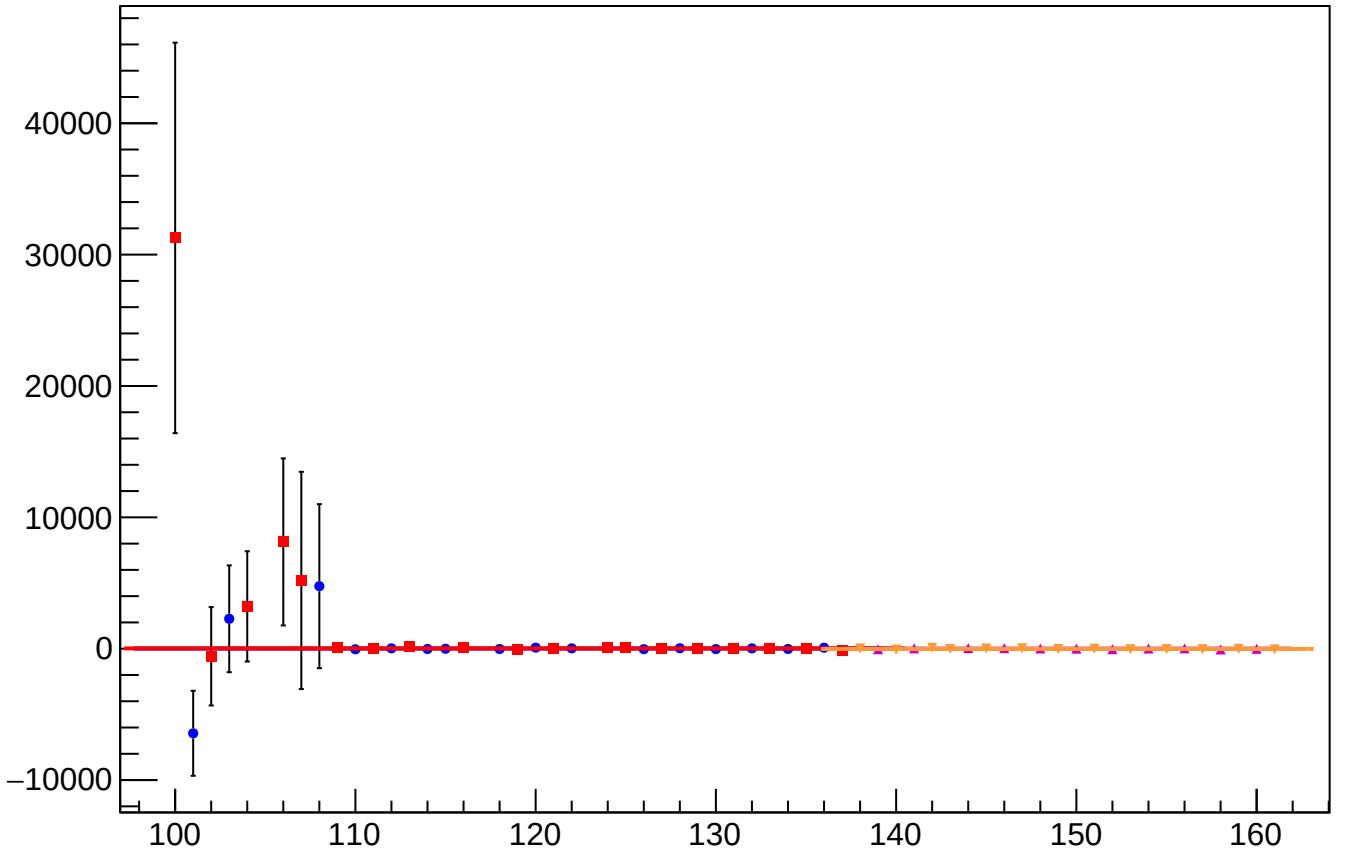
Left: 203.791+/-0.034 χ^2/NDF: 2626699.9/23

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 186.976+/-0.036 χ^2/NDF:5093268.4/26

Out: 203.639+/-0.038 χ^2/NDF:5784265.5/31

All: 194.815+/-0.026 χ^2/NDF: 10977931.2/58



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.194+/-9.883 χ^2/NDF:11.4/12

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 3.719+/-10.297 χ^2/NDF:10.7/10

Left: -7.167+/-7.130 χ^2/NDF: 24.2/23

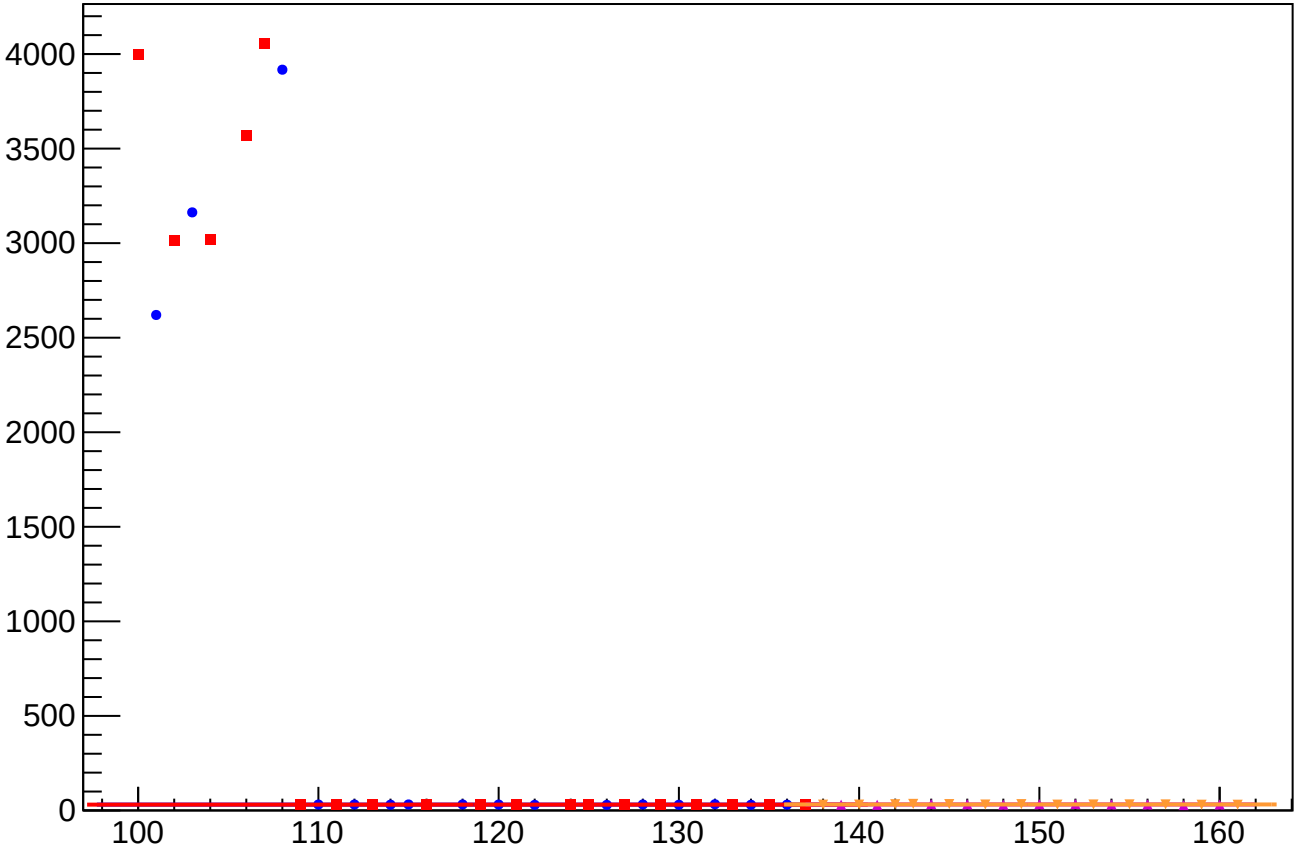
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 7.549+/-8.086 χ^2/NDF:26.5/26

Out: -2.646+/-7.907 χ^2/NDF:46.1/31

All: 2.337+/-5.654 χ^2/NDF: 73.4/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.738+/-0.007 χ^2/NDF:35166.2/12

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

Left: 31.729+/-0.005 χ^2/NDF: 88310.0/23

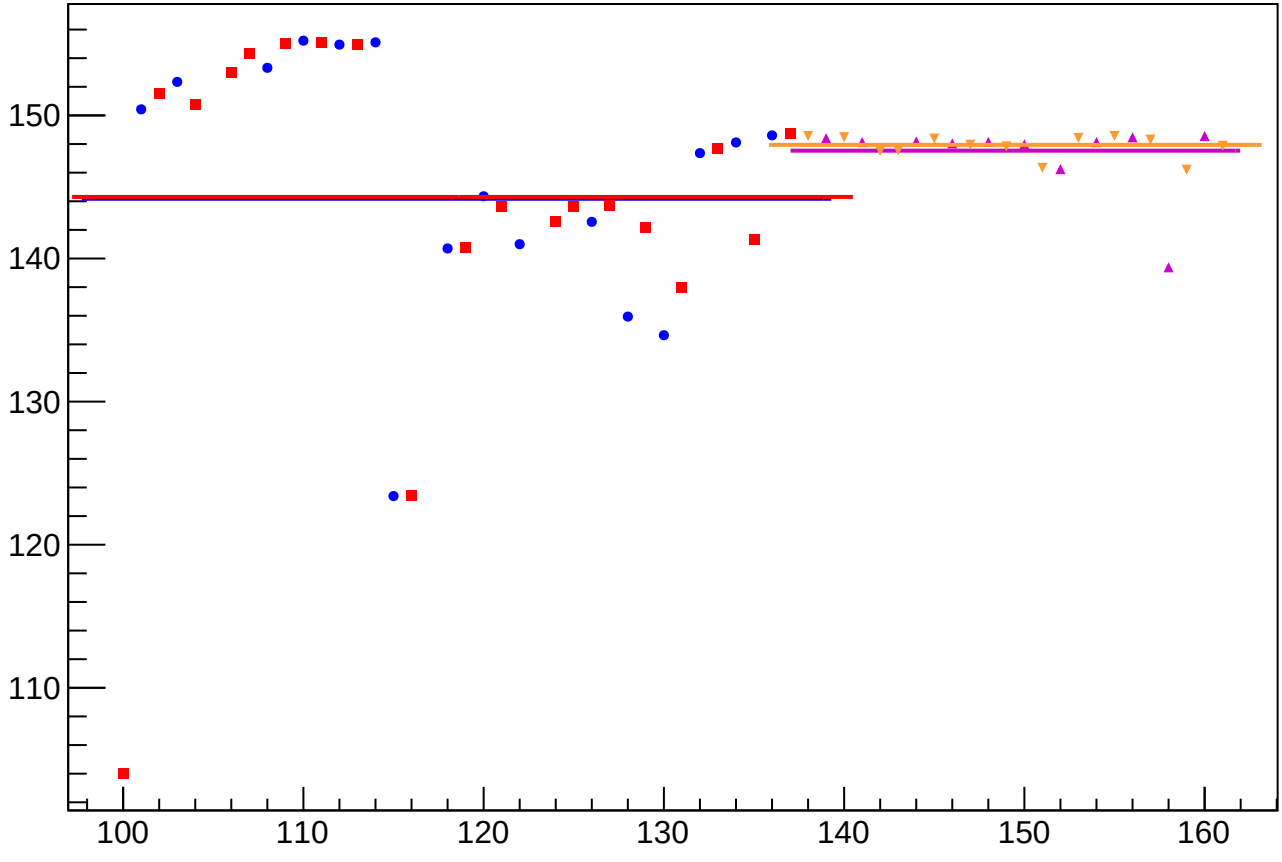
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.415+/-0.006 χ^2/NDF:3310256.4/26

Out: 31.392+/-0.006 χ^2/NDF:3578212.7/31

All: 31.404+/-0.004 χ^2/NDF: 6888477.4/58

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.943+/-0.000 χ^2/NDF:32564232.5/12

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

Left: 147.753+/-0.000 χ^2/NDF: 321942902.4/23

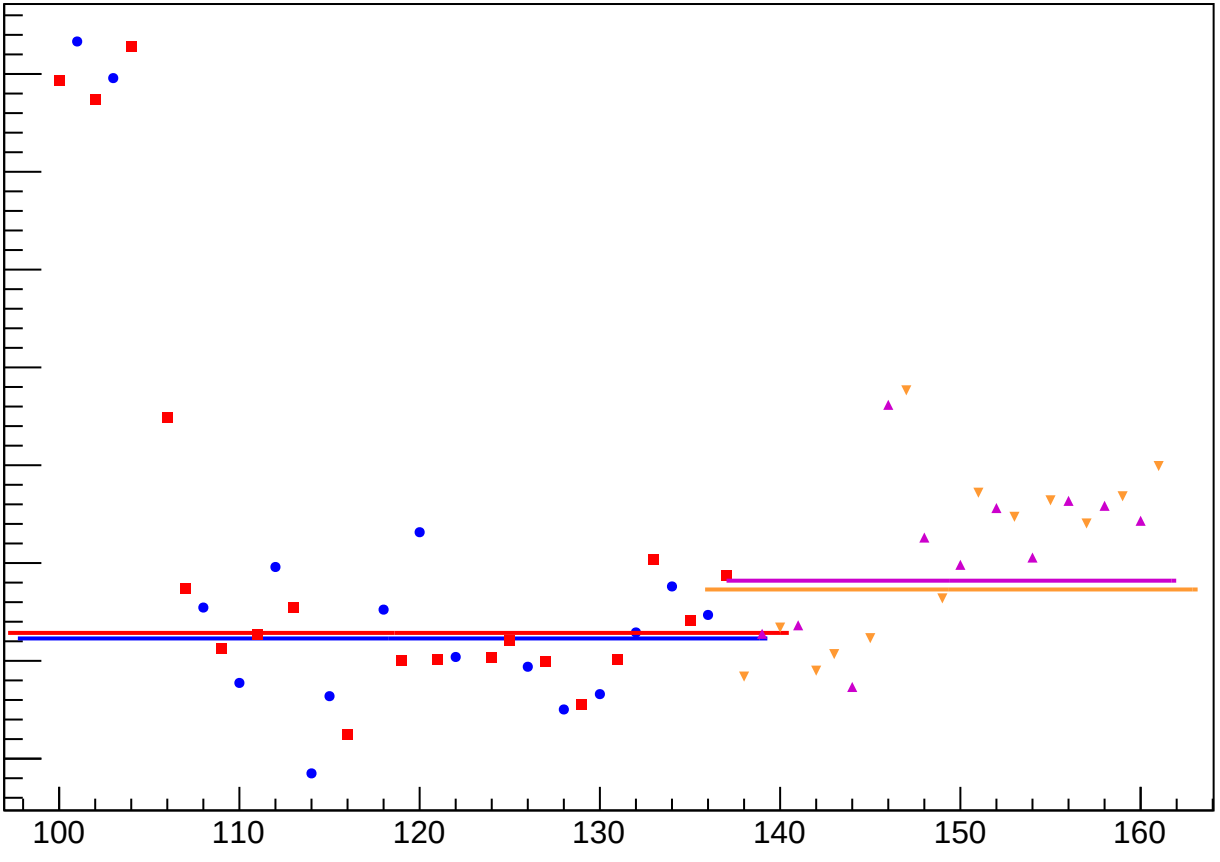
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.897+/-0.000 χ^2/NDF:4339047716.2/26

Out: 146.289+/-0.000 χ^2/NDF:4704870231.5/31

All: 146.099+/-0.000 χ^2/NDF: 9053173850.3

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.373+/-0.000 χ^2/NDF:921036.1/12

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.382+/-0.000 χ^2/NDF:715024.4/10

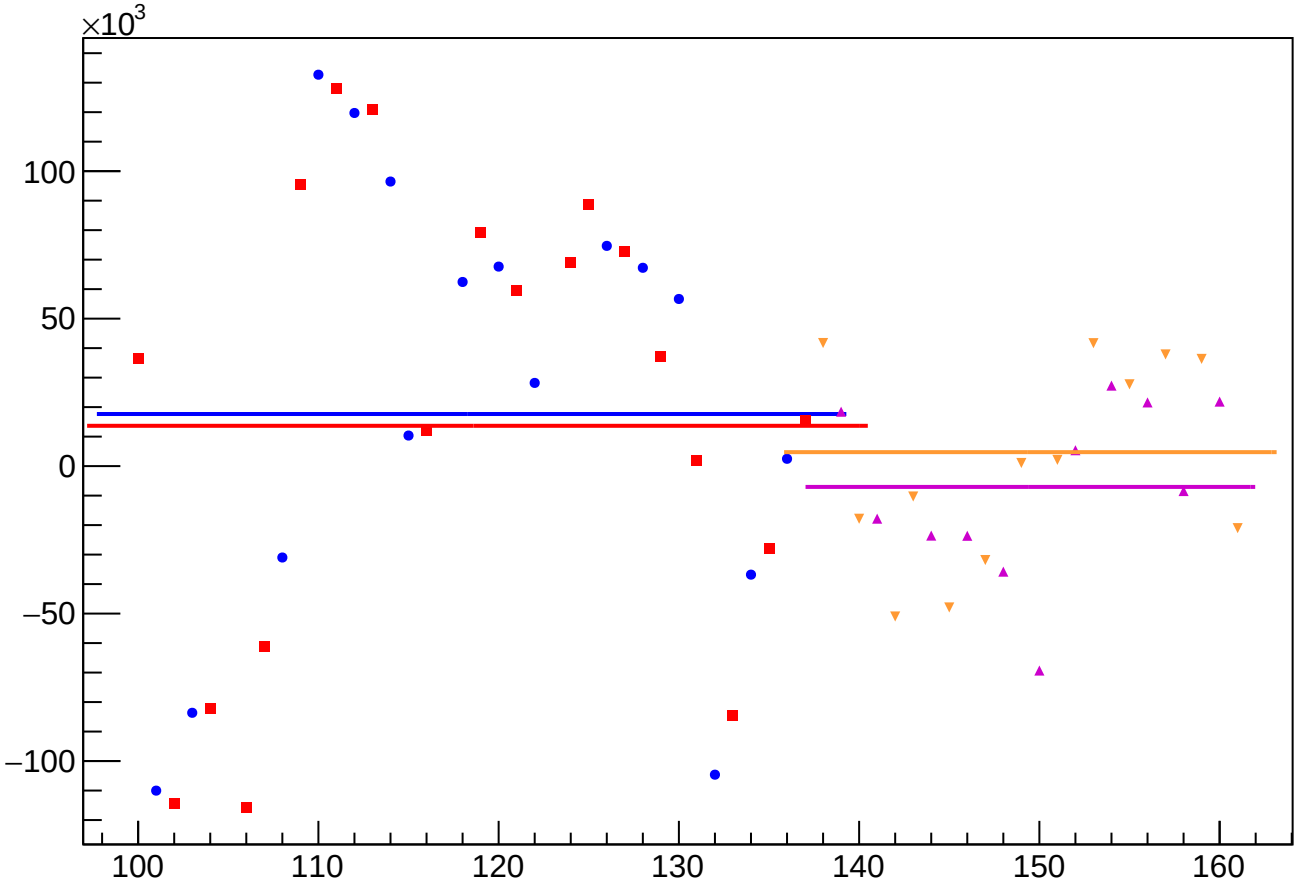
Left: 0.377+/-0.000 χ^2/NDF: 1641209.2/23

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.353+/-0.000 χ^2/NDF:2314976.2/26

Out: 0.353+/-0.000 χ^2/NDF:2346572.8/31

All: 0.353+/-0.000 χ^2/NDF: 4661564.0/58



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4735.156+/-1.537 χ^2/NDF:418216212.4/12

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -7053.793+/-1.611 χ^2/NDF:335837467.1/10

Left: -884.050+/-1.112 χ^2/NDF: 782093808.1/23

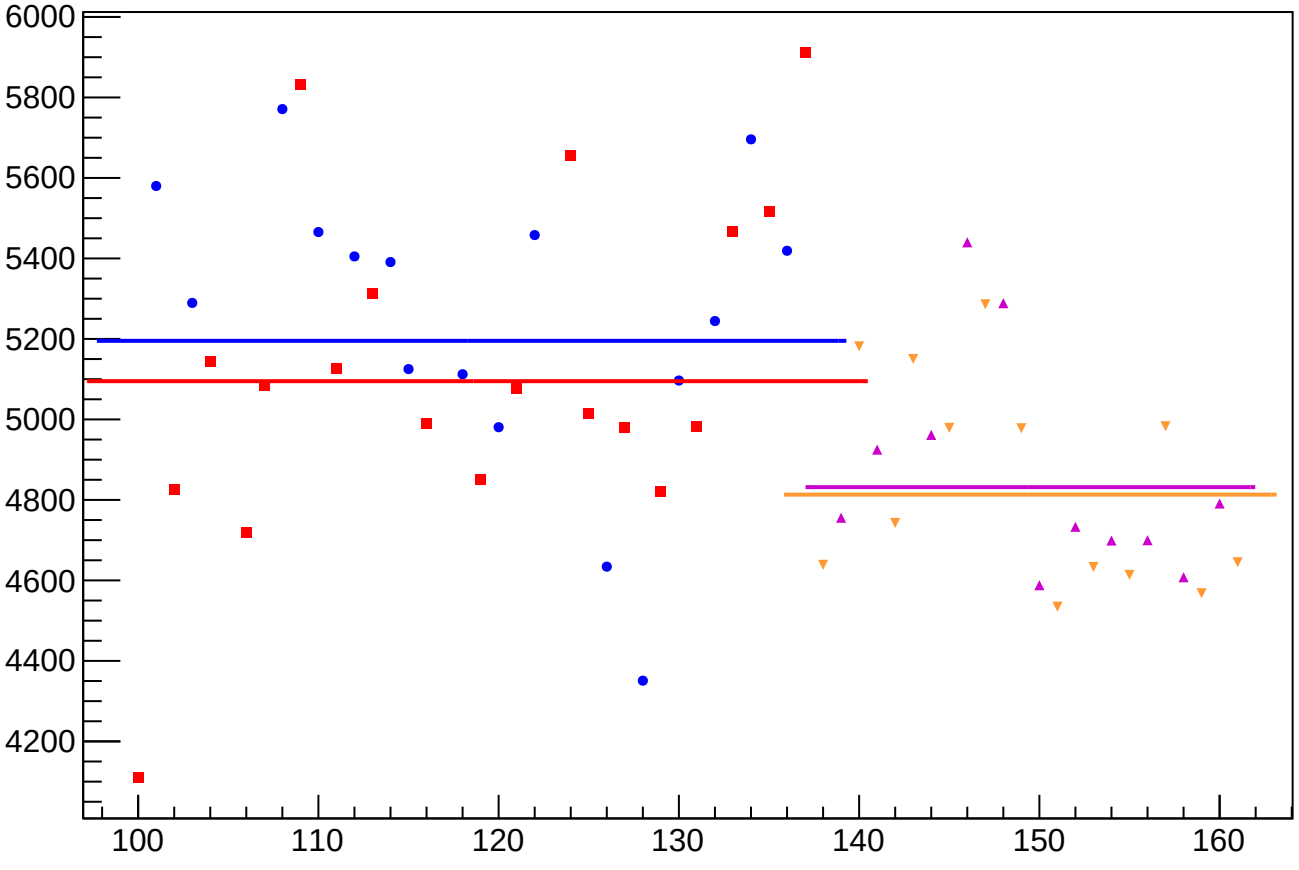
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 2637.173+/-1.256 χ^2/NDF:1826920642.6/26

Out: 8212.494+/-1.201 χ^2/NDF:2288324805.2/31

All: 5548.809+/-0.868 χ^2/NDF: 4125539576.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4813.178+/-1.087 χ^2/NDF:52422.5/12

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4831.787+/-1.139 χ^2/NDF:46068.8/10

Left: 4822.048+/-0.786 χ^2/NDF: 98631.1/23

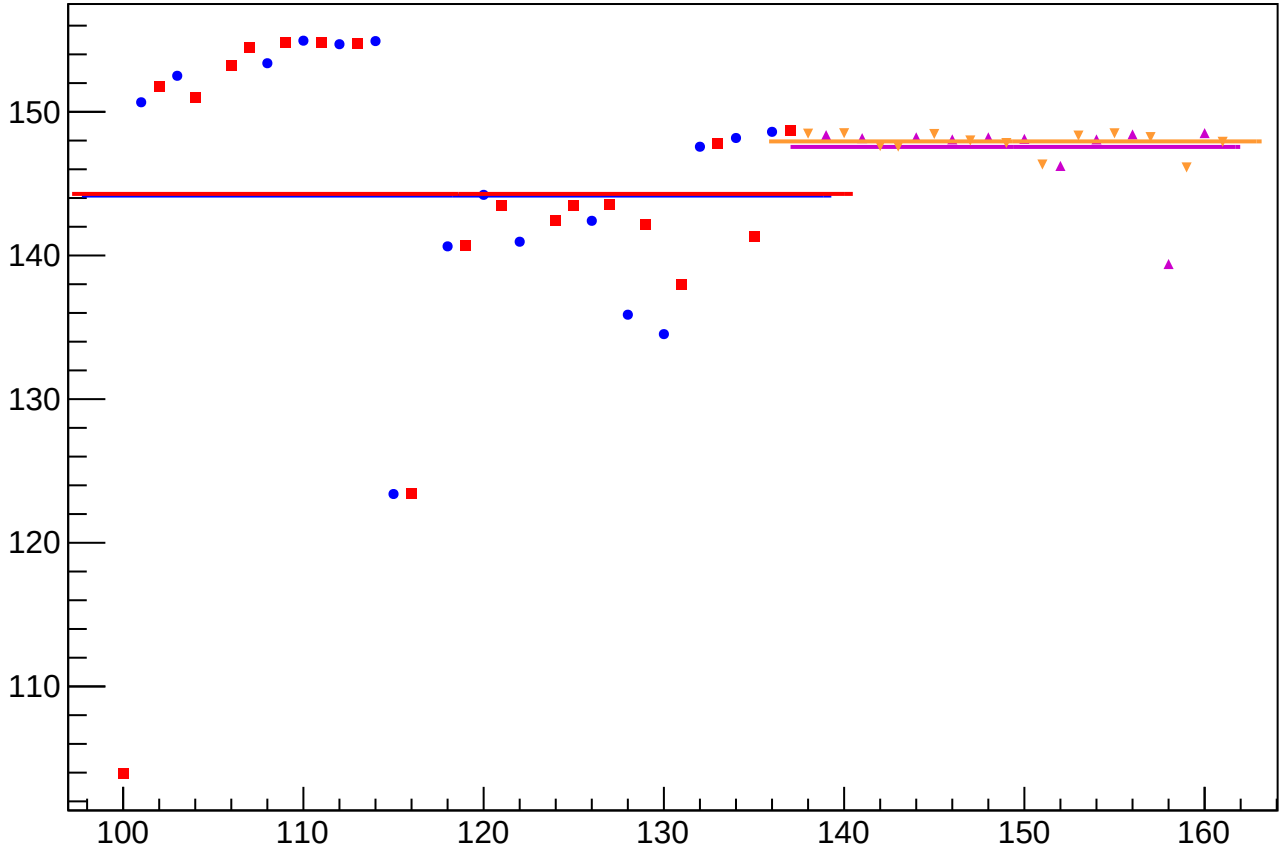
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4974.308+/-0.888 χ^2/NDF:163180.1/26

Out: 4922.924+/-0.849 χ^2/NDF:137722.1/31

All: 4947.473+/-0.614 χ^2/NDF: 302651.0/58

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.942+/-0.000 χ^2/NDF:32540604.7/12

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.557+/-0.000 χ^2/NDF:285117935.9/10

Left: 147.762+/-0.000 χ^2/NDF: 322396882.8/23

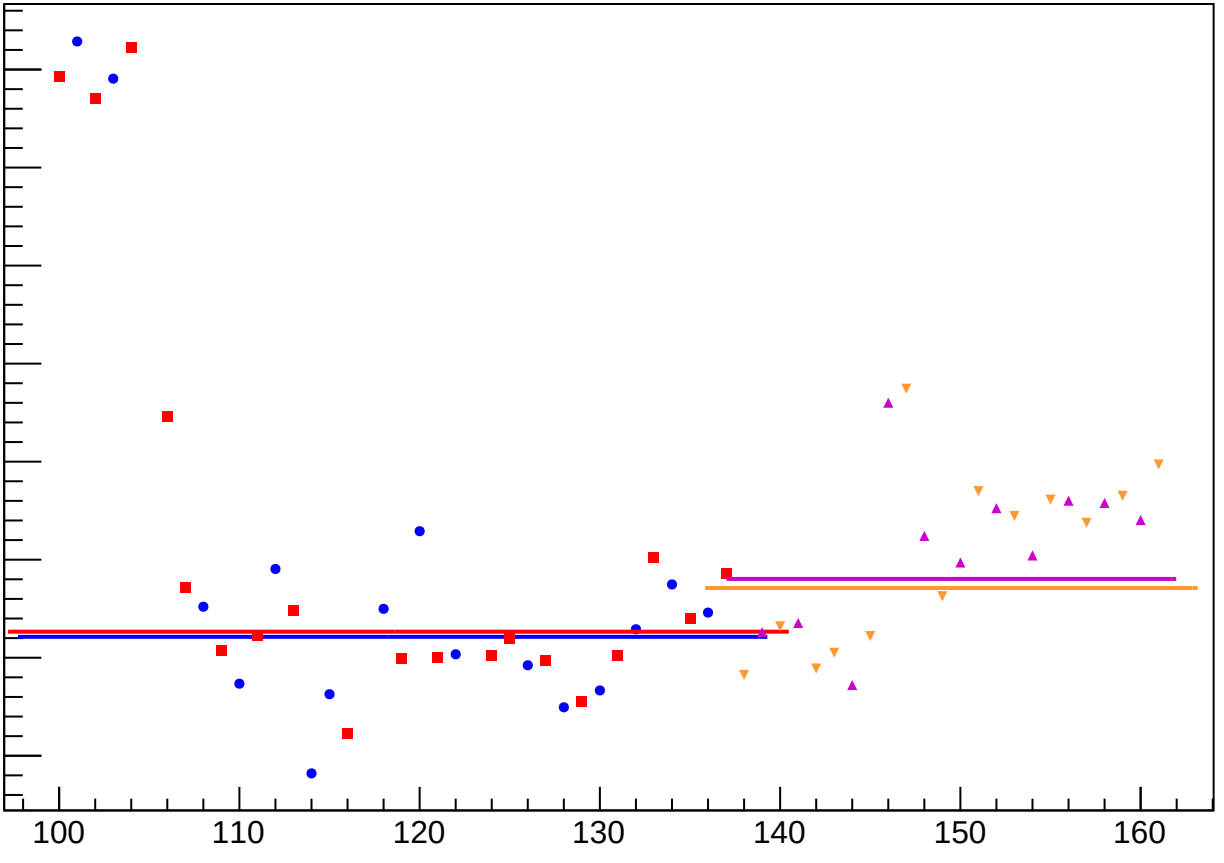
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.904+/-0.000 χ^2/NDF:4387971194.4/26

Out: 146.278+/-0.000 χ^2/NDF:4738794755.7/31

All: 146.097+/-0.000 χ^2/NDF: 9135300496.4

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.371+/-0.000 χ^2/NDF:919682.8/12

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.380+/-0.000 χ^2/NDF:713011.2/10

Left: 0.375+/-0.000 χ^2/NDF: 1638179.9/23

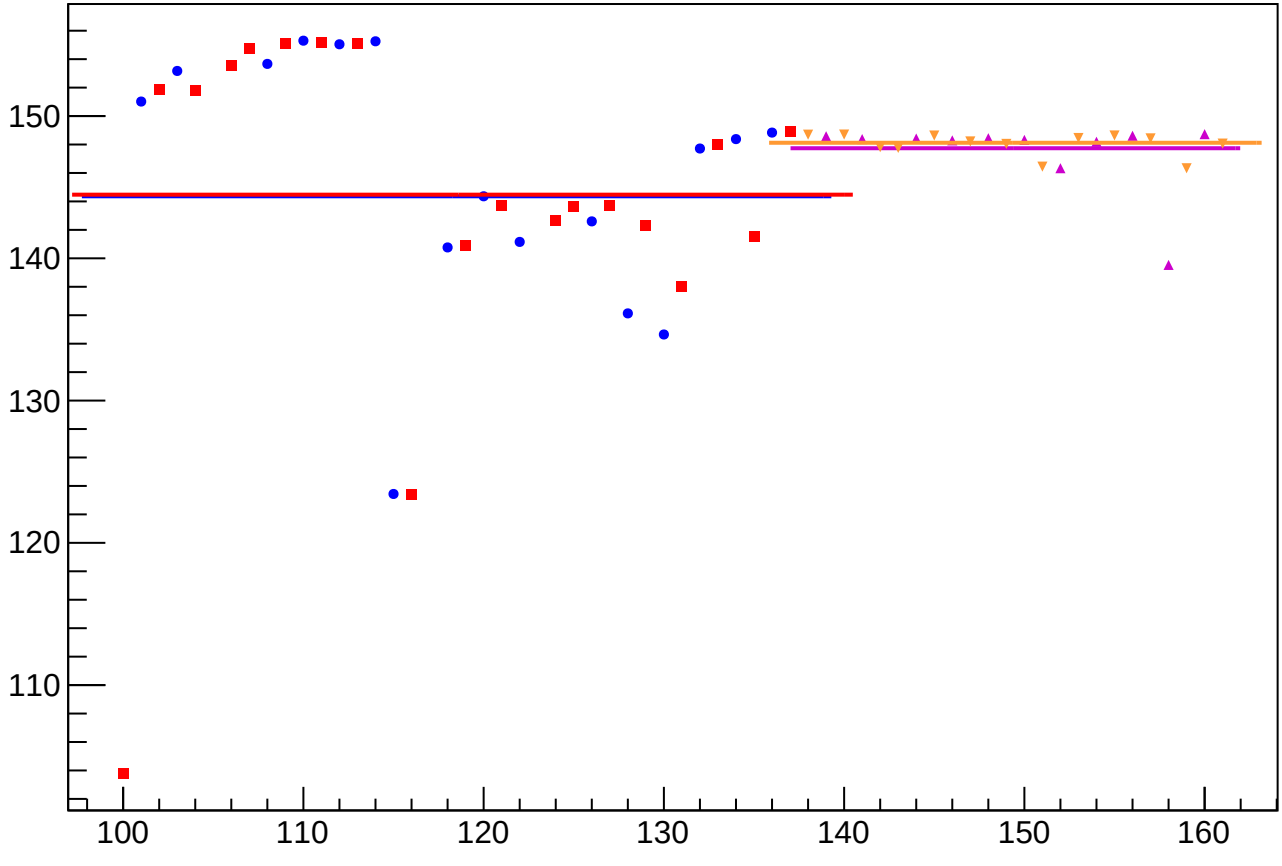
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.352+/-0.000 χ^2/NDF:2315207.5/26

Out: 0.351+/-0.000 χ^2/NDF:2346159.8/31

All: 0.351+/-0.000 χ^2/NDF: 4661422.2/58

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.123+/-0.000 χ^2/NDF:32596089.8/12

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.738+/-0.000 χ^2/NDF:289515520.6/10

Left: 147.943+/-0.000 χ^2/NDF: 326819794.8/23

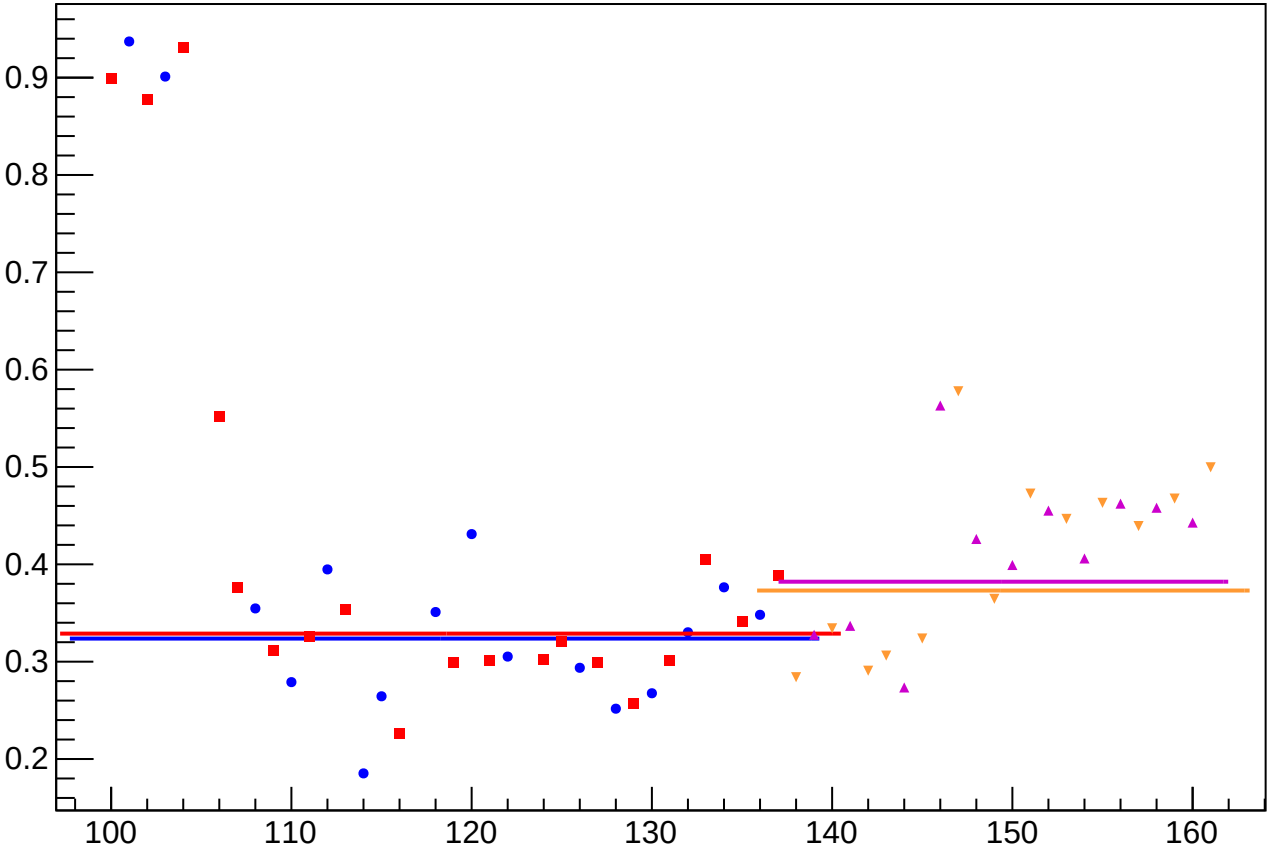
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.093+/-0.000 χ^2/NDF:4380508794.3/26

Out: 146.466+/-0.000 χ^2/NDF:4724060342.4/31

All: 146.285+/-0.000 χ^2/NDF: 9112922477.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.373+/-0.000 χ^2/NDF:918555.9/12

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.382+/-0.000 χ^2/NDF:711993.7/10

Left: 0.377+/-0.000 χ^2/NDF: 1635772.0/23

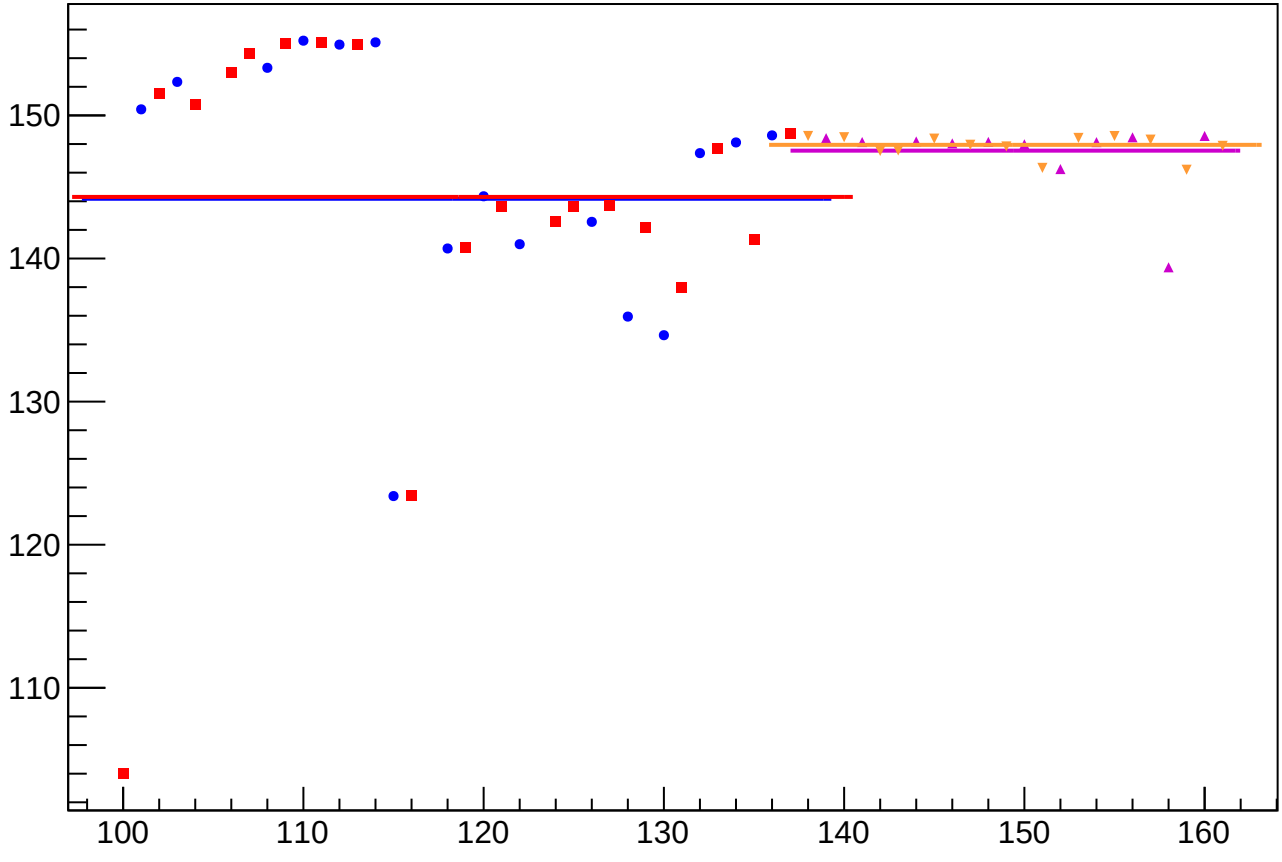
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.354+/-0.000 χ^2/NDF:2303372.6/26

Out: 0.353+/-0.000 χ^2/NDF:2342308.7/31

All: 0.353+/-0.000 χ^2/NDF: 4645741.7/58

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.943+/-0.000 χ^2/NDF:32564232.5/12

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

Left: 147.753+/-0.000 χ^2/NDF: 321942902.4/23

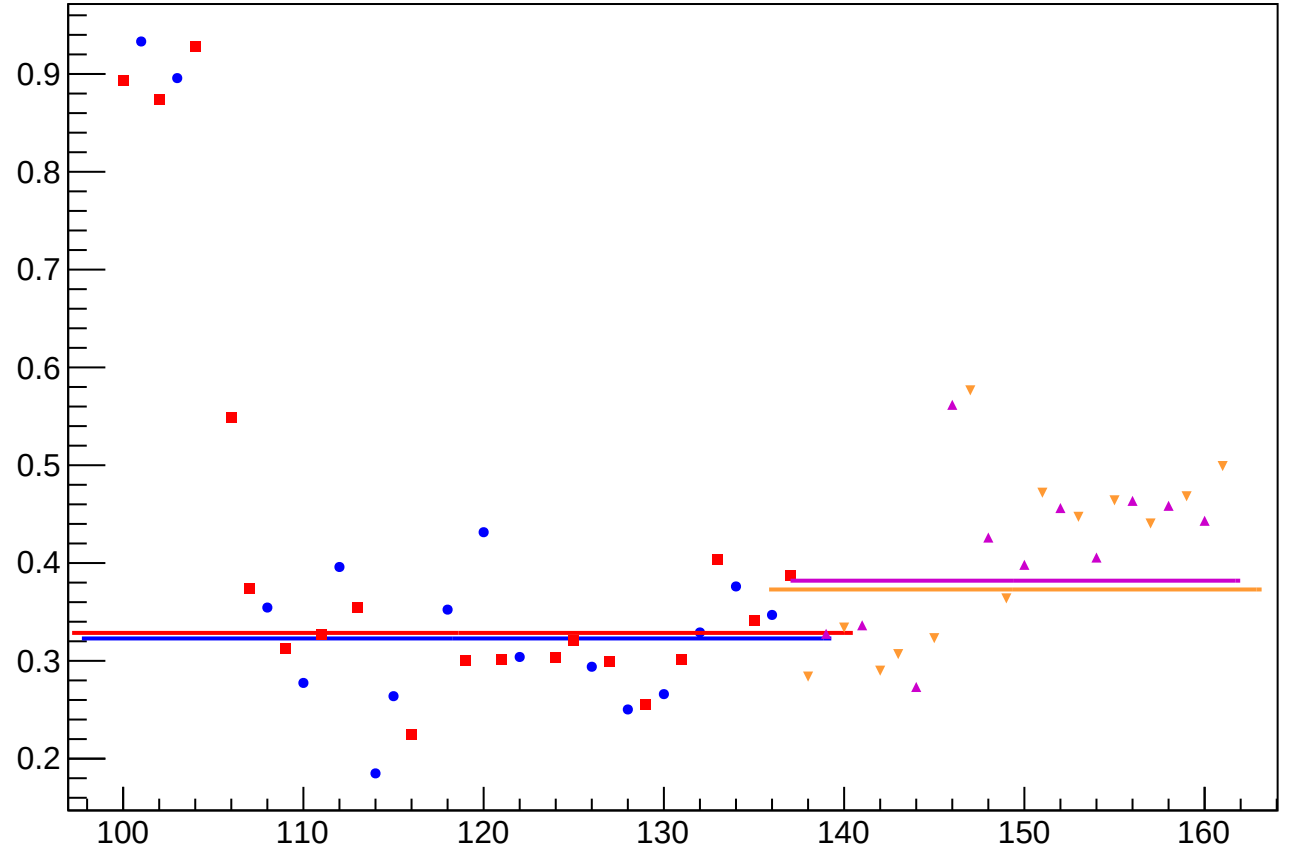
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.897+/-0.000 χ^2/NDF:4339047716.2/26

Out: 146.289+/-0.000 χ^2/NDF:4704870231.5/31

All: 146.099+/-0.000 χ^2/NDF: 9053173850.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.373+/-0.000 χ^2/NDF:921036.1/12

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.382+/-0.000 χ^2/NDF:715024.4/10

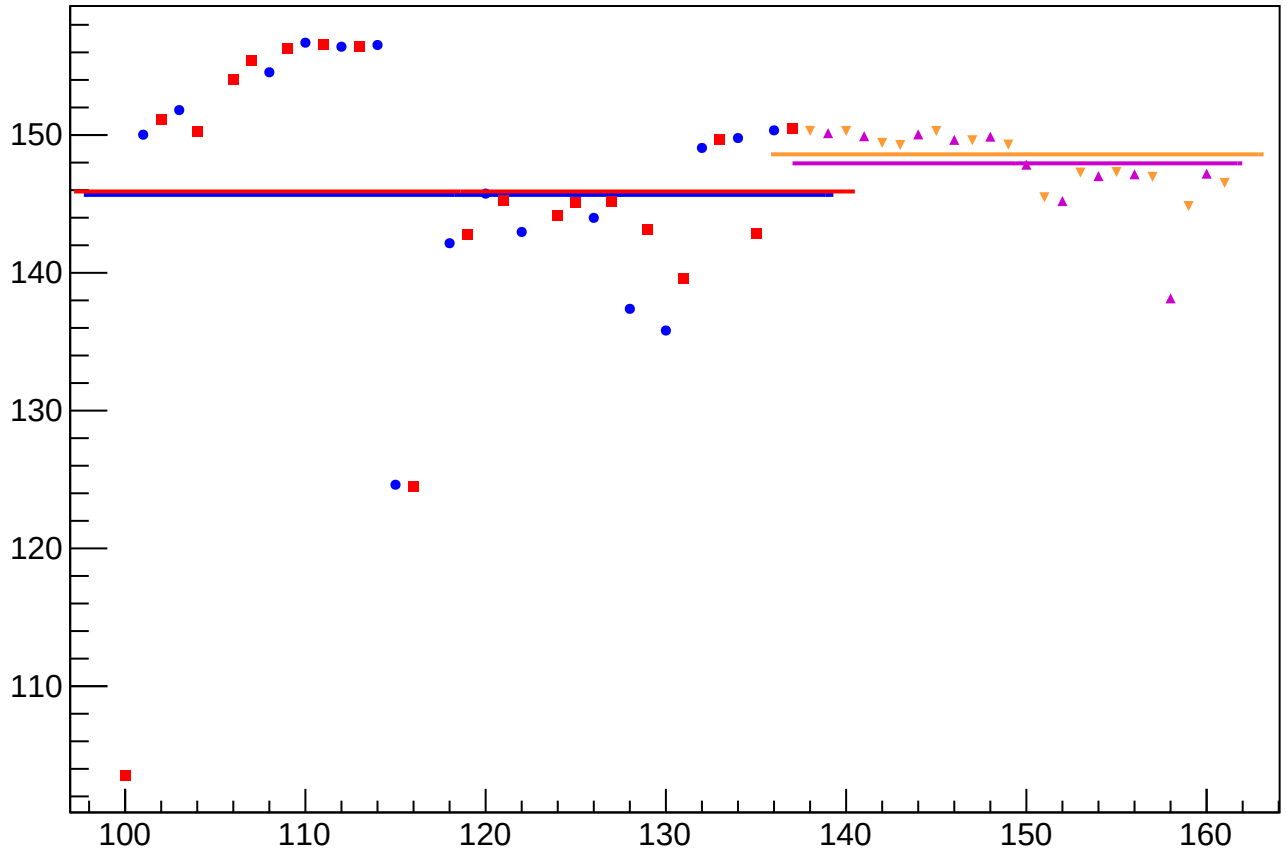
Left: 0.377+/-0.000 χ^2/NDF: 1641209.2/23

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.353+/-0.000 χ^2/NDF:2314976.2/26

Out: 0.353+/-0.000 χ^2/NDF:2346572.8/31

All: 0.353+/-0.000 χ^2/NDF: 4661564.0/58



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.601+/-0.000 χ^2/NDF:194971383.2/12

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.946+/-0.000 χ^2/NDF:518045122.3/10

Left: 148.292+/-0.000 χ^2/NDF: 725532175.4/23

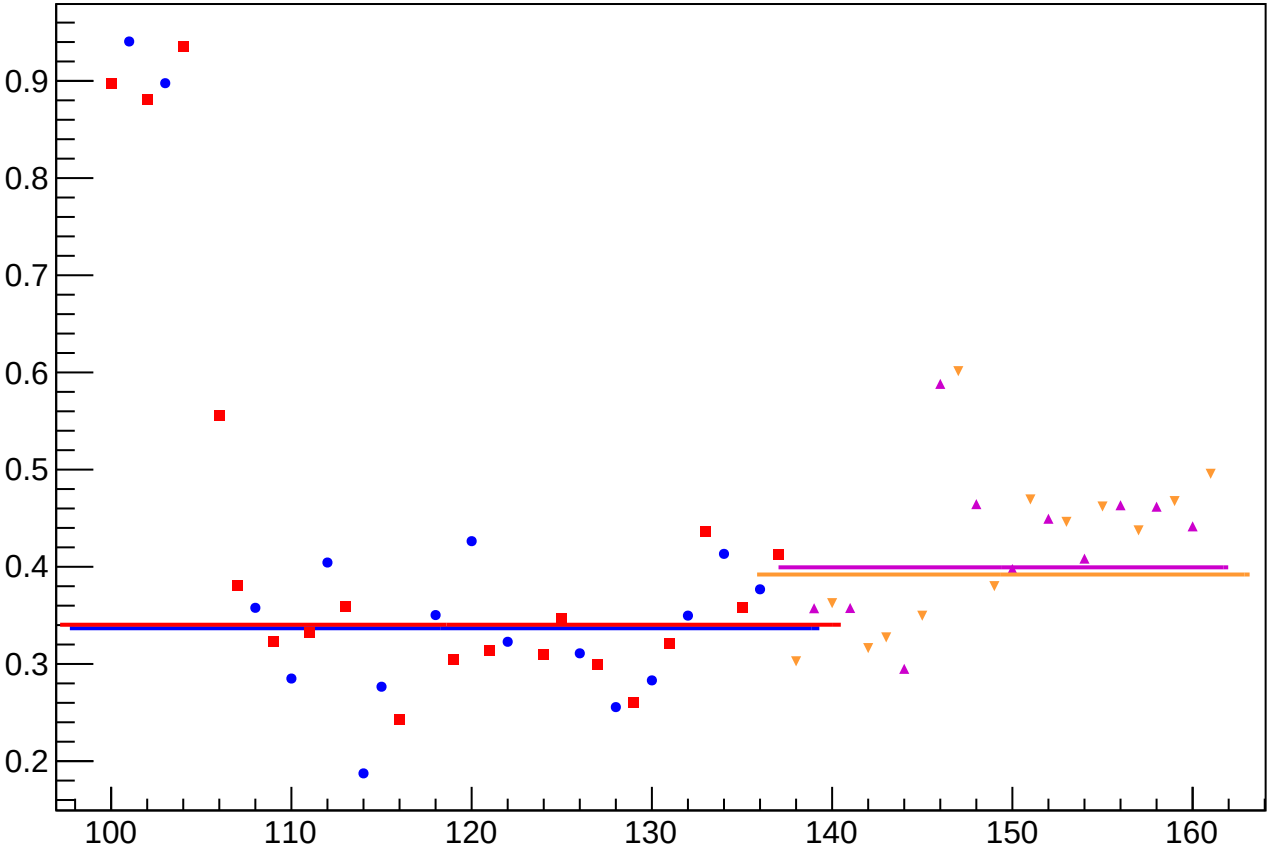
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.831+/-0.000 χ^2/NDF:4140488180.2/26

Out: 147.361+/-0.000 χ^2/NDF:4264544882.5/31

All: 147.104+/-0.000 χ^2/NDF: 8420636716.3

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.392+/-0.000 χ^2/NDF:688878.5/12

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.399+/-0.000 χ^2/NDF:559674.5/10

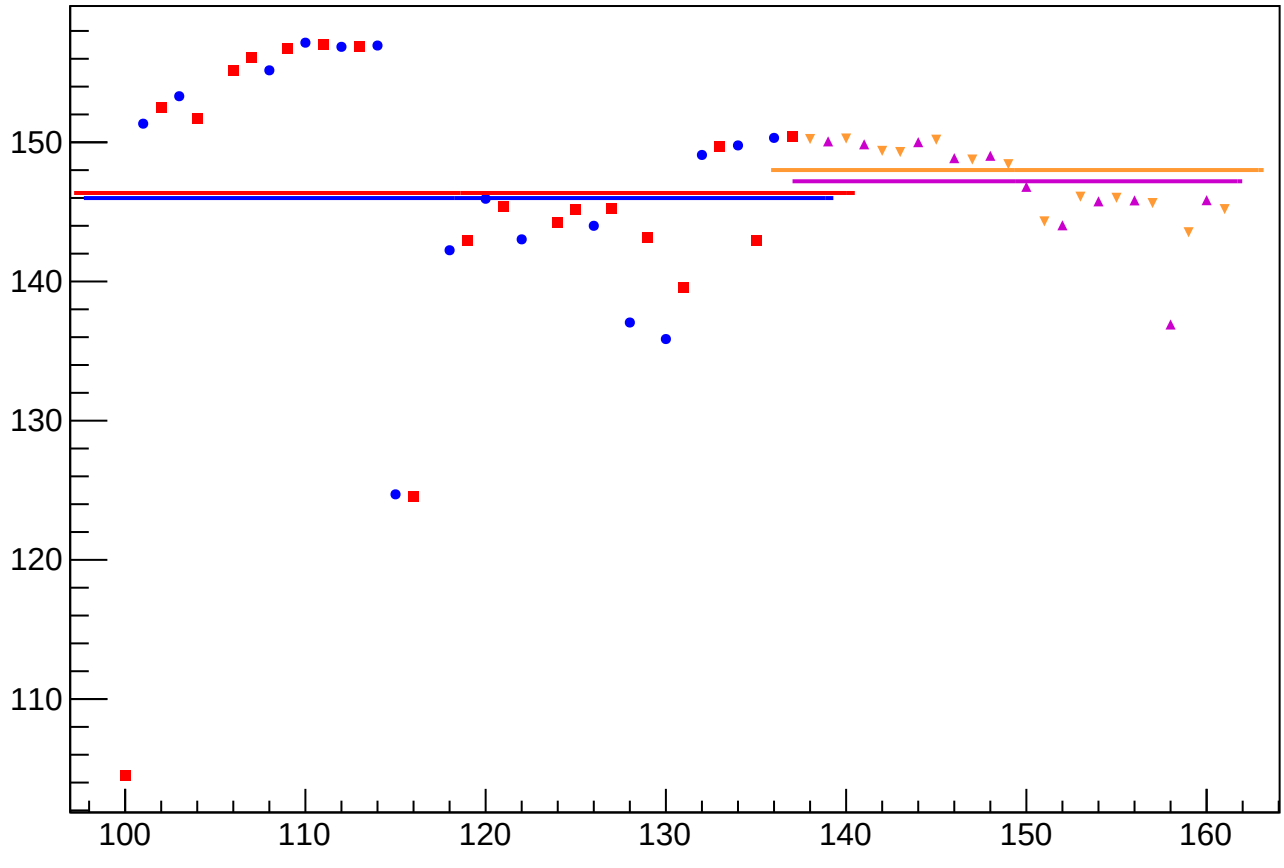
Left: 0.396+/-0.000 χ^2/NDF: 1251739.3/23

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

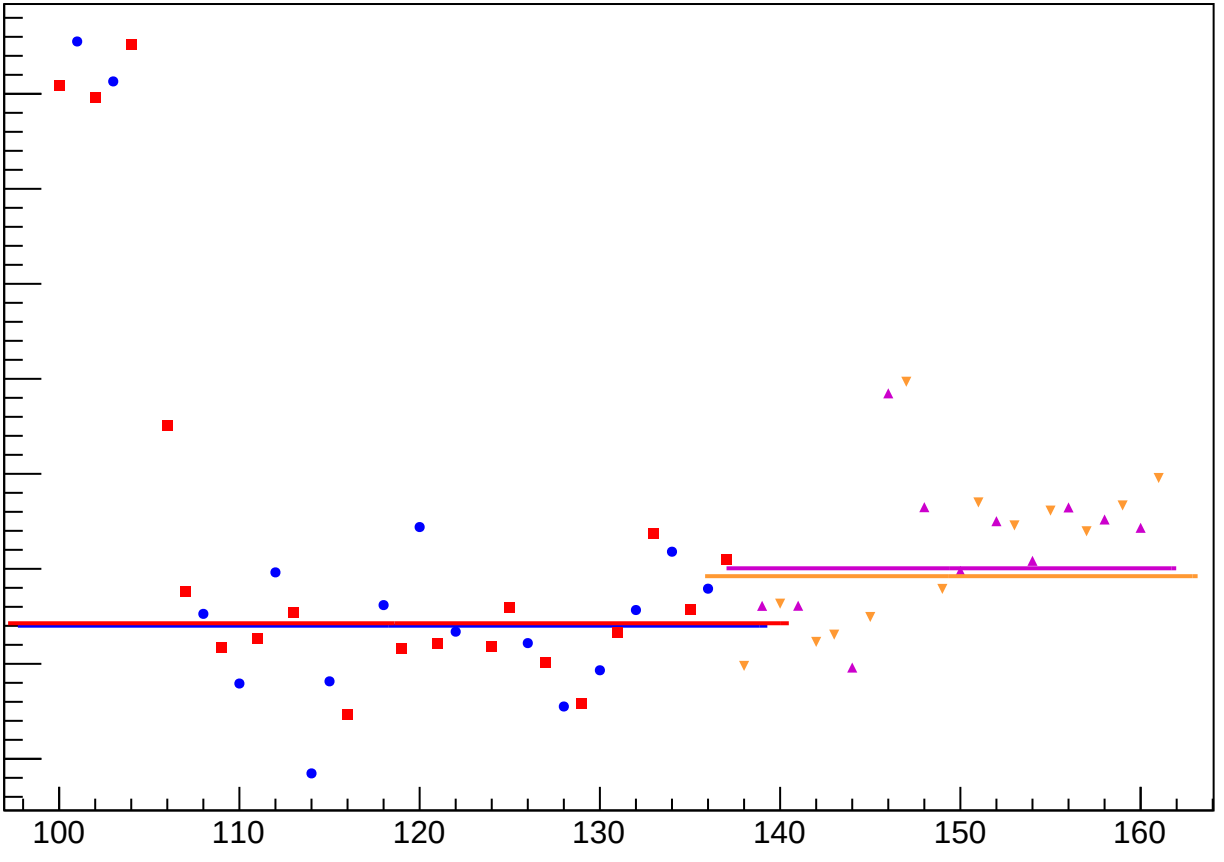
In: 0.369+/-0.000 χ^2/NDF:2141641.5/26

Out: 0.368+/-0.000 χ^2/NDF:2115243.8/31

All: 0.369+/-0.000 χ^2/NDF: 4256925.9/58


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 148.006+/-0.000 χ²/NDF:323858868.3/12
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 147.199+/-0.000 χ²/NDF:670945530.6/10
Left: 147.626+/-0.000 χ²/NDF: 1013694607.2/23
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.617+/-0.000 χ²/NDF:4331156933.1/26
Out: 147.254+/-0.000 χ²/NDF:4363316010.8/31
All: 146.946+/-0.000 χ²/NDF: 8716723106.9

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.392+/-0.000 χ^2/NDF:684514.7/12

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.401+/-0.000 χ^2/NDF:534457.9/10

Left: 0.396+/-0.000 χ^2/NDF: 1222974.4/23

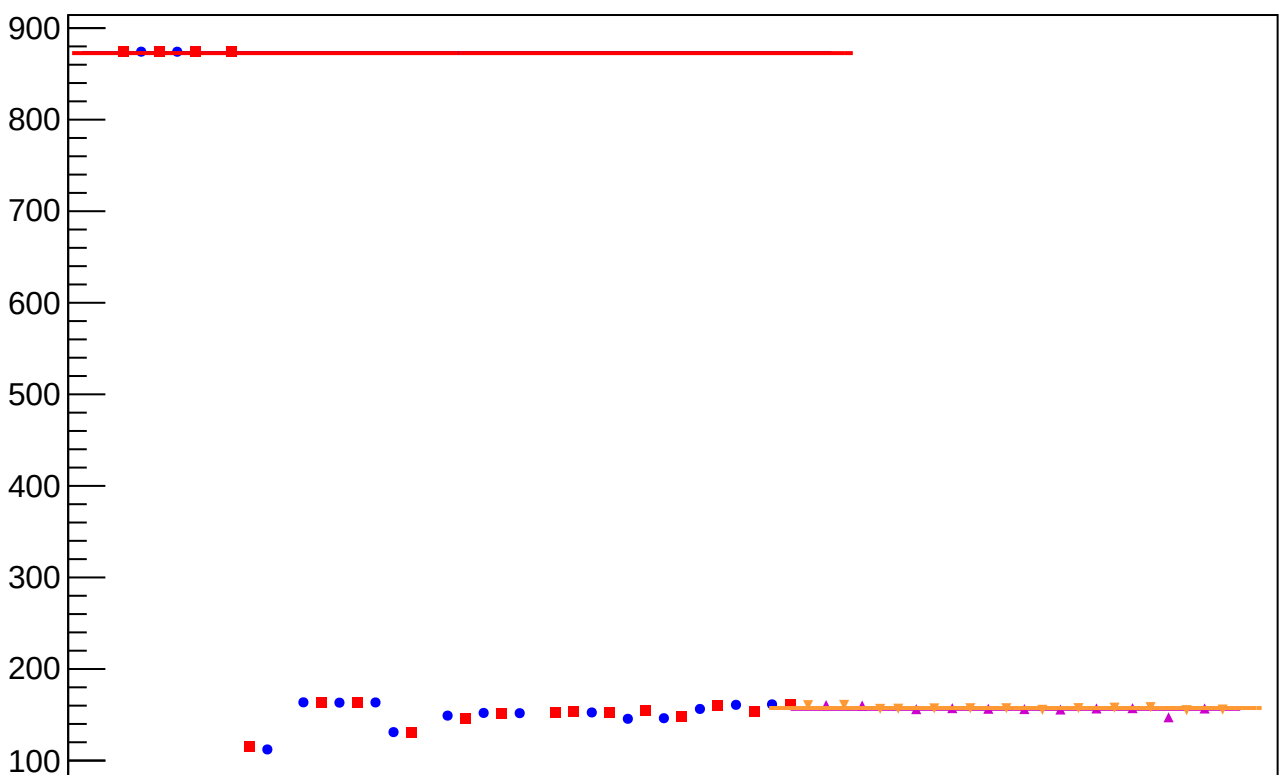
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.371+/-0.000 χ^2/NDF:2121123.1/26

Out: 0.370+/-0.000 χ^2/NDF:2093357.9/31

All: 0.370+/-0.000 χ^2/NDF: 4214818.5/58

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.386+/-0.000 χ^2/NDF:56891369.5/12

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.525+/-0.000 χ^2/NDF:163933748.4/10

Left: 156.977+/-0.000 χ^2/NDF: 226678455.0/23

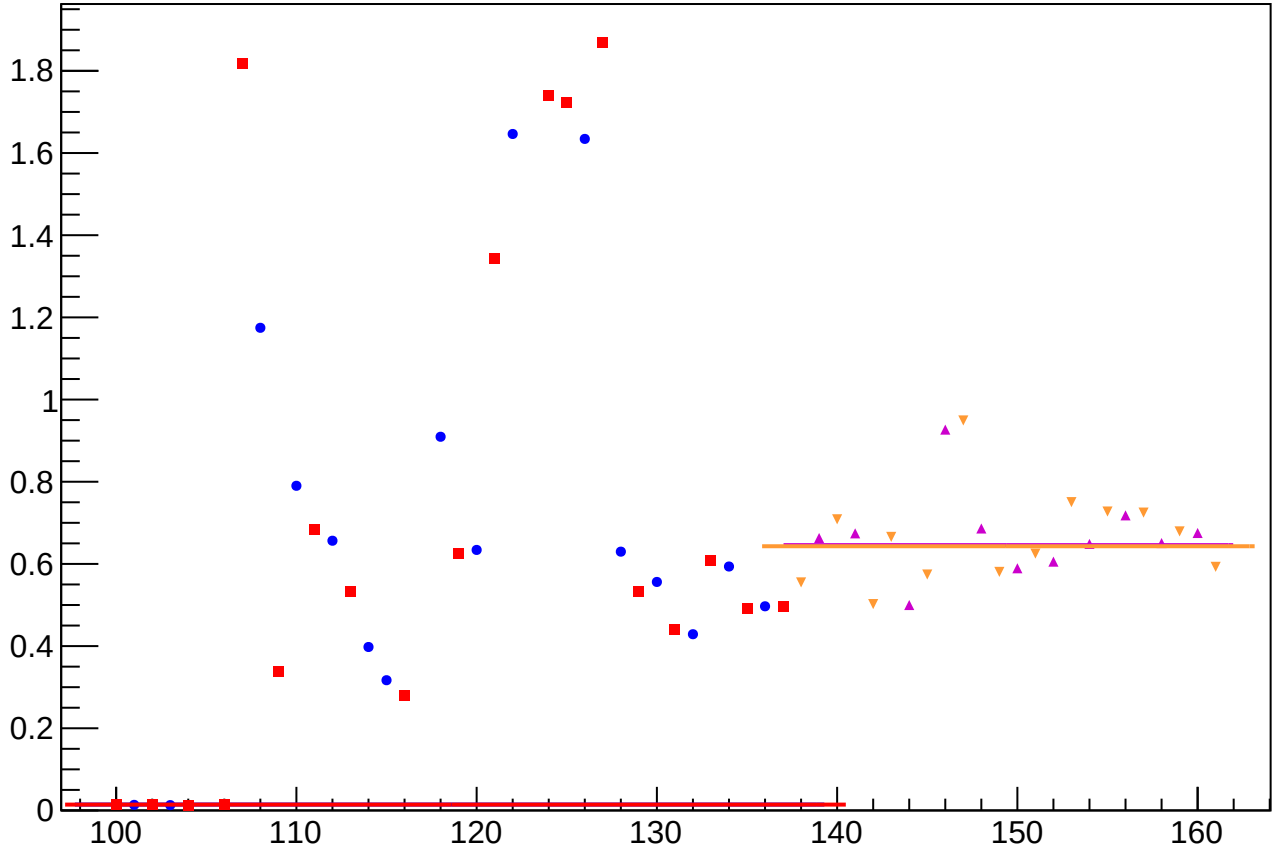
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.314+/-0.000 χ^2/NDF:14889326609695.1/2

Out: 871.230+/-0.000 χ^2/NDF:17656794883356.0

All: 871.269+/-0.000 χ^2/NDF: 325461481992

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.643+/-0.000 χ^2/NDF:283646.1/12

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.646+/-0.000 χ^2/NDF:219605.4/10

Left: 0.644+/-0.000 χ^2/NDF: 503372.9/23

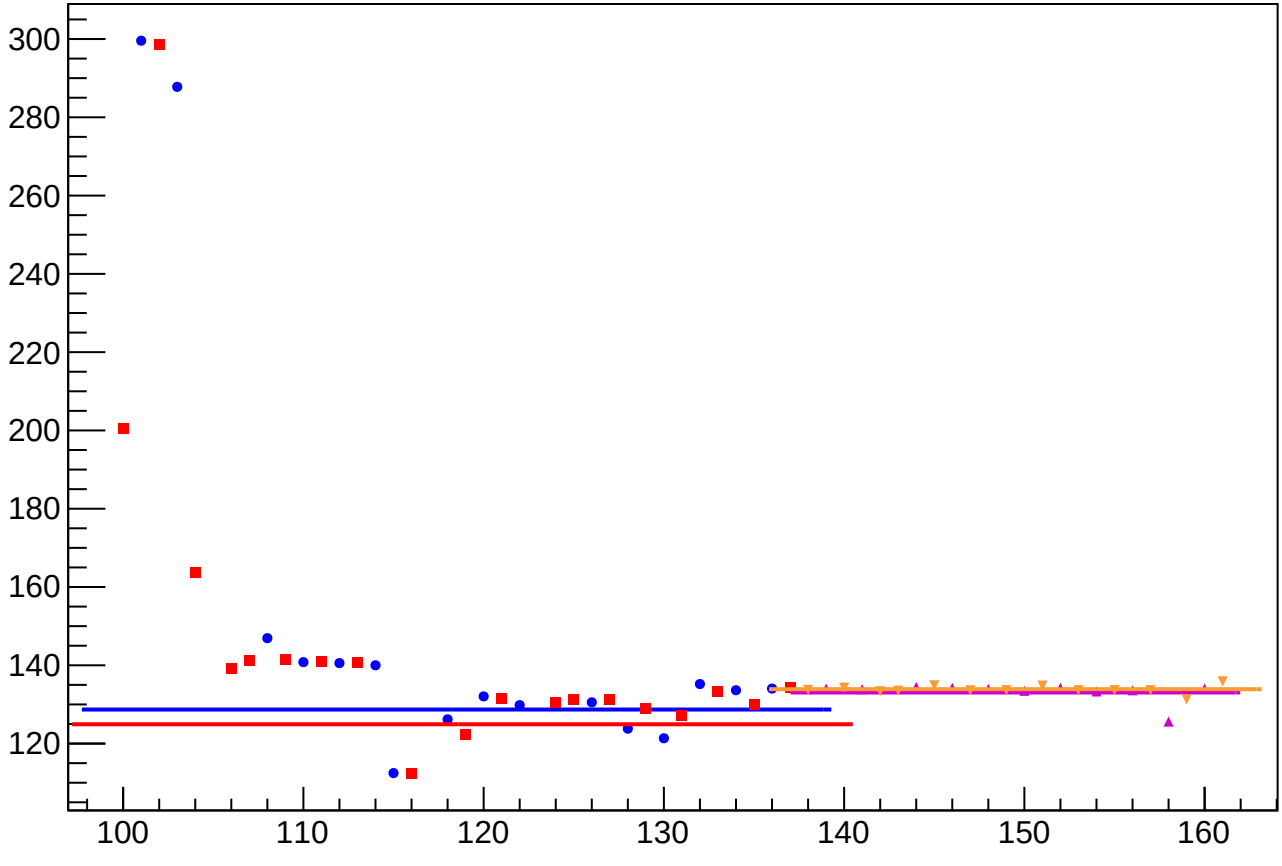
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:21803639.9/26

Out: 0.016+/-0.000 χ^2/NDF:22813081.0/31

All: 0.016+/-0.000 χ^2/NDF: 44617025.5/58

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.894+/-0.000 χ^2/NDF:47262466.5/12

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.054+/-0.000 χ^2/NDF:242689931.5/10

Left: 133.504+/-0.000 χ^2/NDF: 303600155.2/23

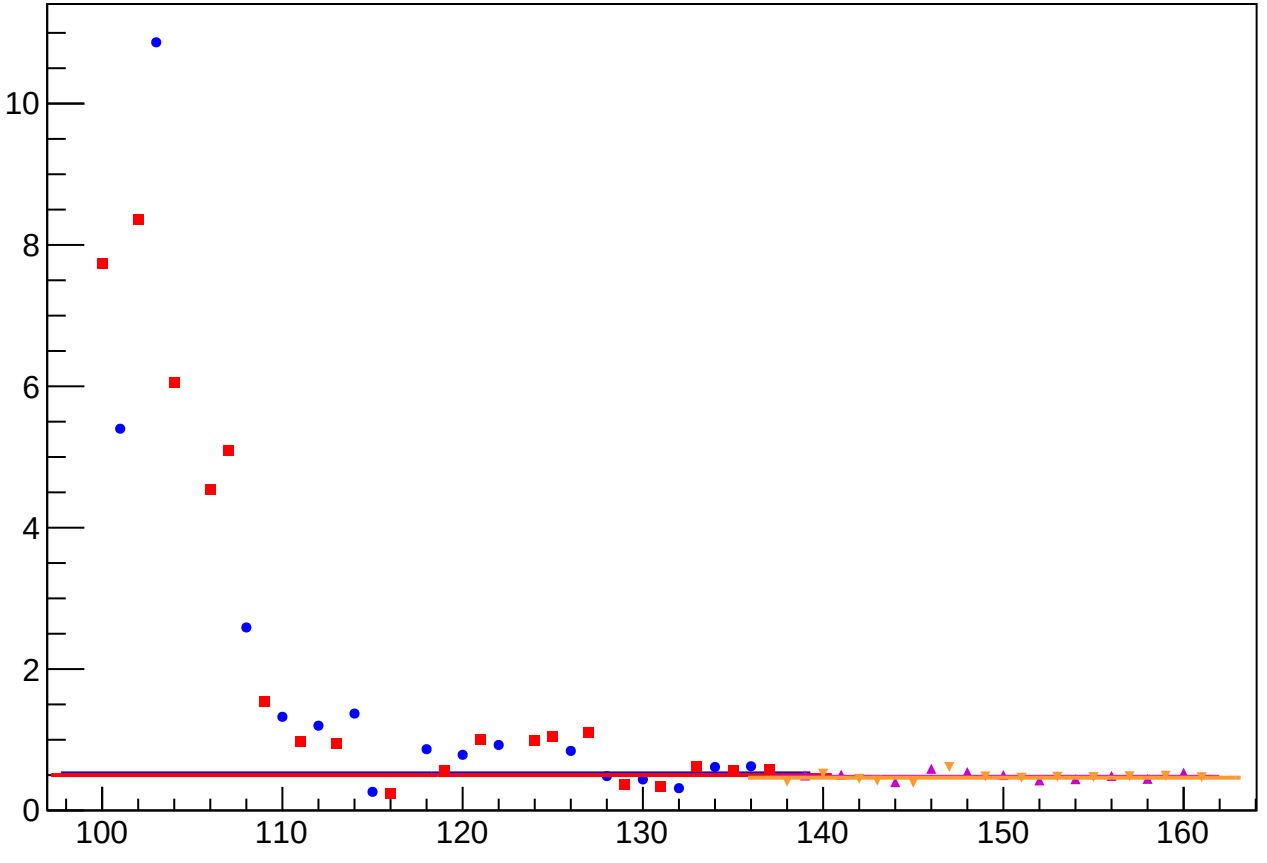
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.879+/-0.000 χ^2/NDF:2083844453.9/26

Out: 131.635+/-0.000 χ^2/NDF:2287334954.5/31

All: 131.750+/-0.000 χ^2/NDF: 4372744439.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.464+/-0.000 χ^2/NDF:195173.5/12

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.476+/-0.000 χ^2/NDF:209183.9/10

Left: 0.470+/-0.000 χ^2/NDF: 410403.3/23

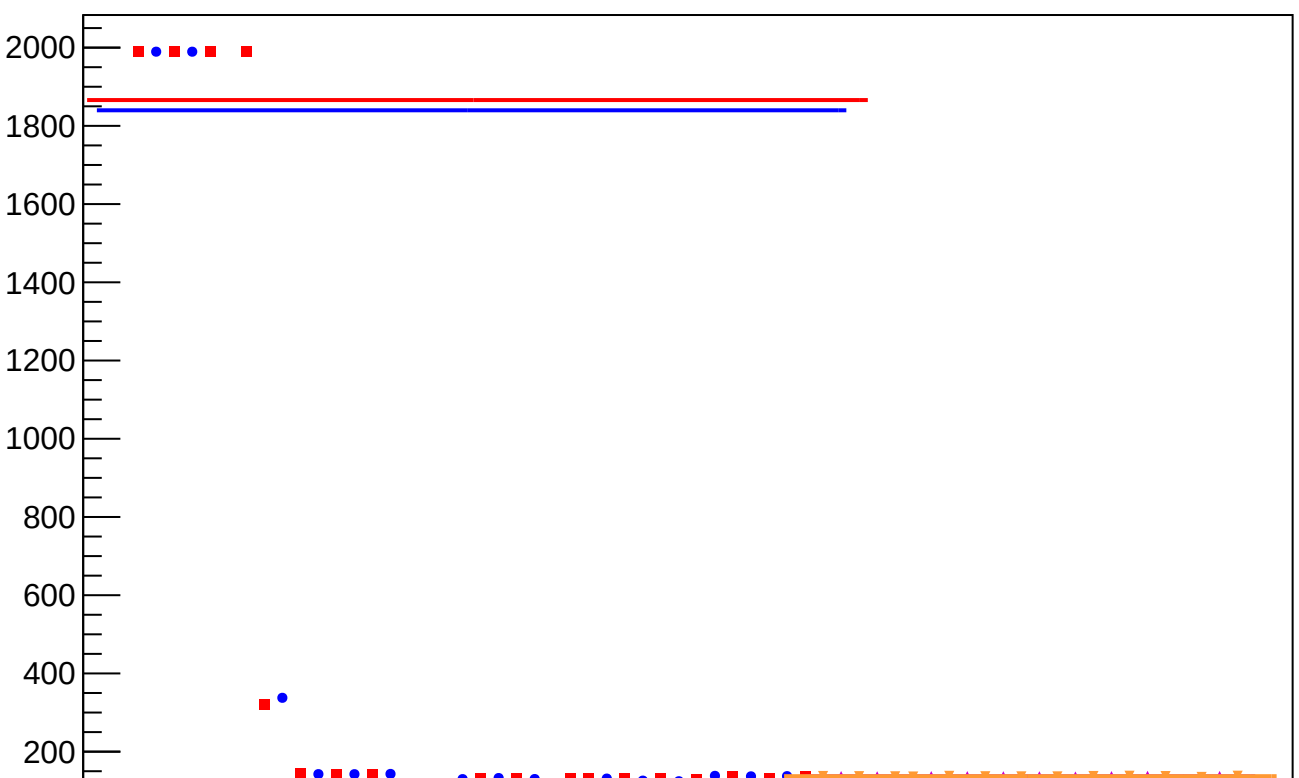
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.489+/-0.000 χ^2/NDF:4392210.6/26

Out: 0.473+/-0.000 χ^2/NDF:5107721.2/31

All: 0.481+/-0.000 χ^2/NDF: 9513557.9/58

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.293+/-0.000 χ^2/NDF:40542219.8/12

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 136.965+/-0.000 χ^2/NDF:201130550.3/10

Left: 137.141+/-0.000 χ^2/NDF: 244867343.0/23

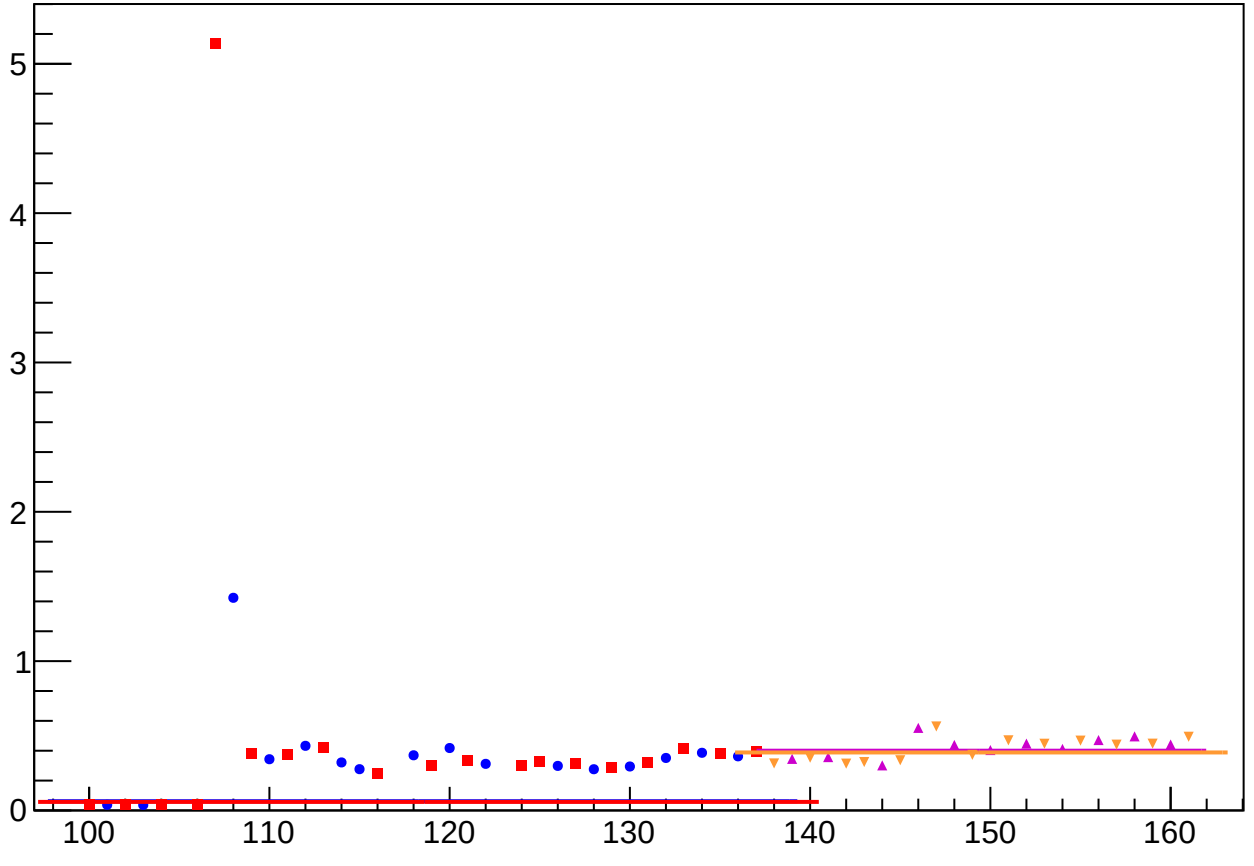
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1688.877+/-0.000 χ^2/NDF:292469017031017.

Out: 1715.022+/-0.000 χ^2/NDF:31653498744571

All: 1702.951+/-0.000 χ^2/NDF: 6092342581

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.388+/-0.000 χ^2/NDF:639545.8/12

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.400+/-0.000 χ^2/NDF:522680.9/10

Left: 0.394+/-0.000 χ^2/NDF: 1170351.4/23

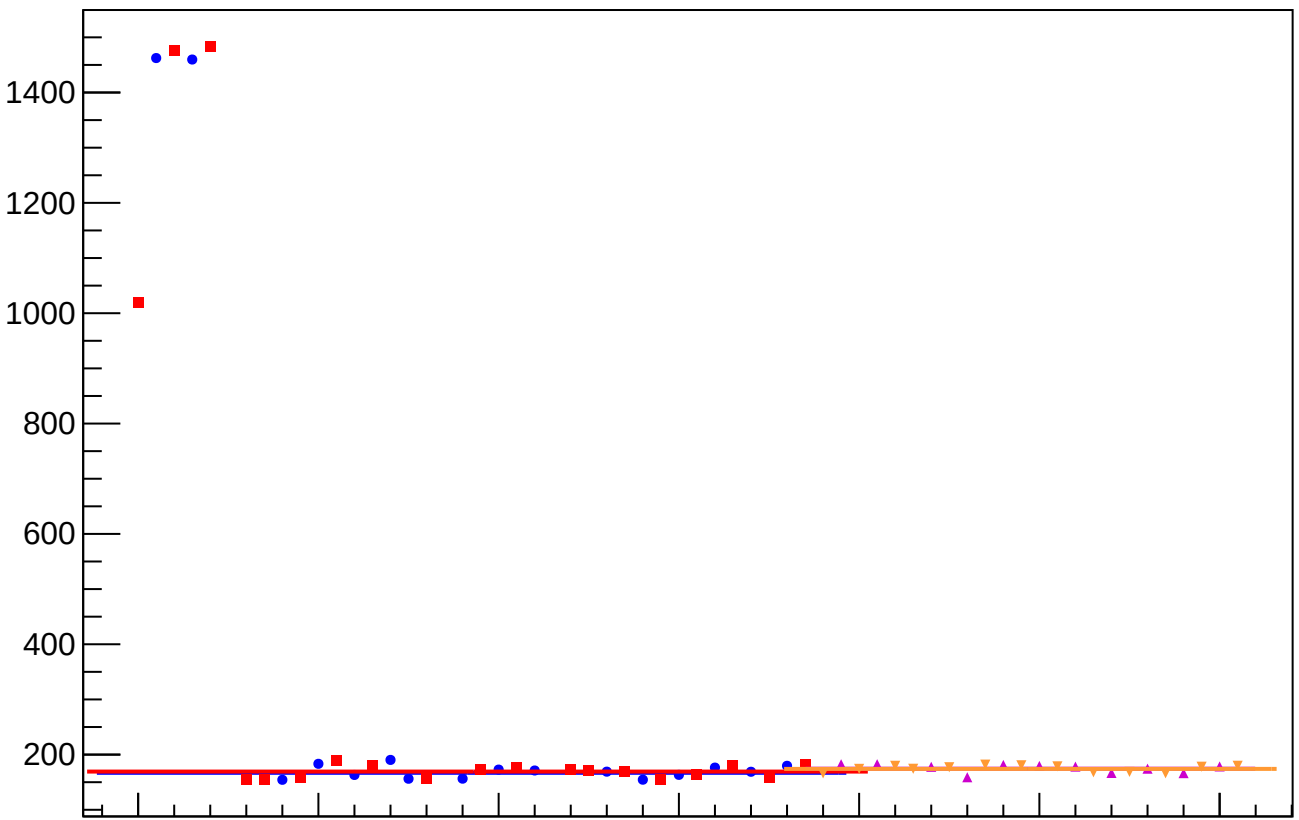
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.092+/-0.000 χ^2/NDF:20269753.7/26

Out: 0.086+/-0.000 χ^2/NDF:21134384.2/31

All: 0.089+/-0.000 χ^2/NDF: 41424934.7/58

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.112+/-0.000 χ^2/NDF:291892168.8/12

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.444+/-0.000 χ^2/NDF:498413761.0/10

Left: 174.271+/-0.000 χ^2/NDF: 790789053.4/23

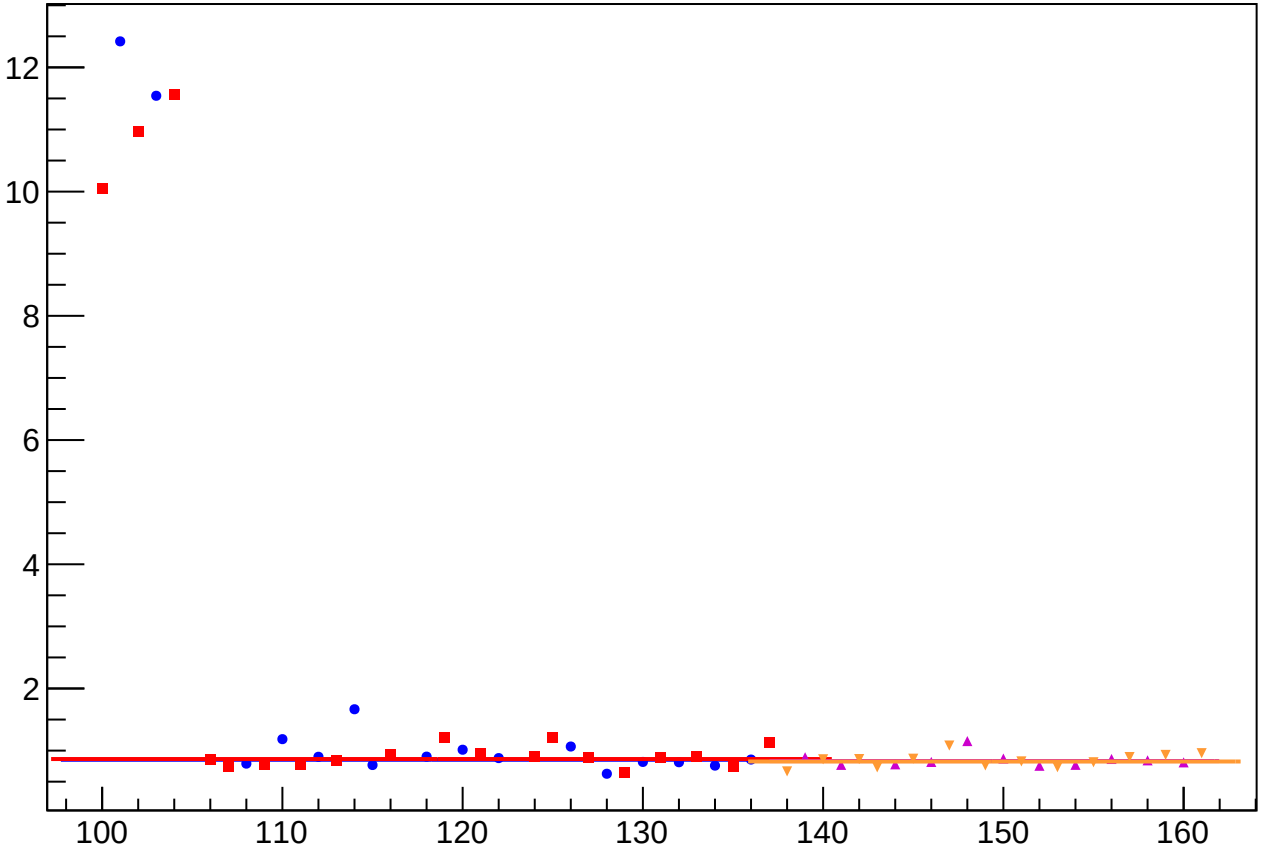
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.575+/-0.000 χ^2/NDF:15292667507.3/26

Out: 172.303+/-0.000 χ^2/NDF:16690026134.7/31

All: 171.951+/-0.000 χ^2/NDF: 31986450901.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.825+/-0.000 χ^2/NDF:197864.8/12

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.832+/-0.000 χ^2/NDF:132070.8/10

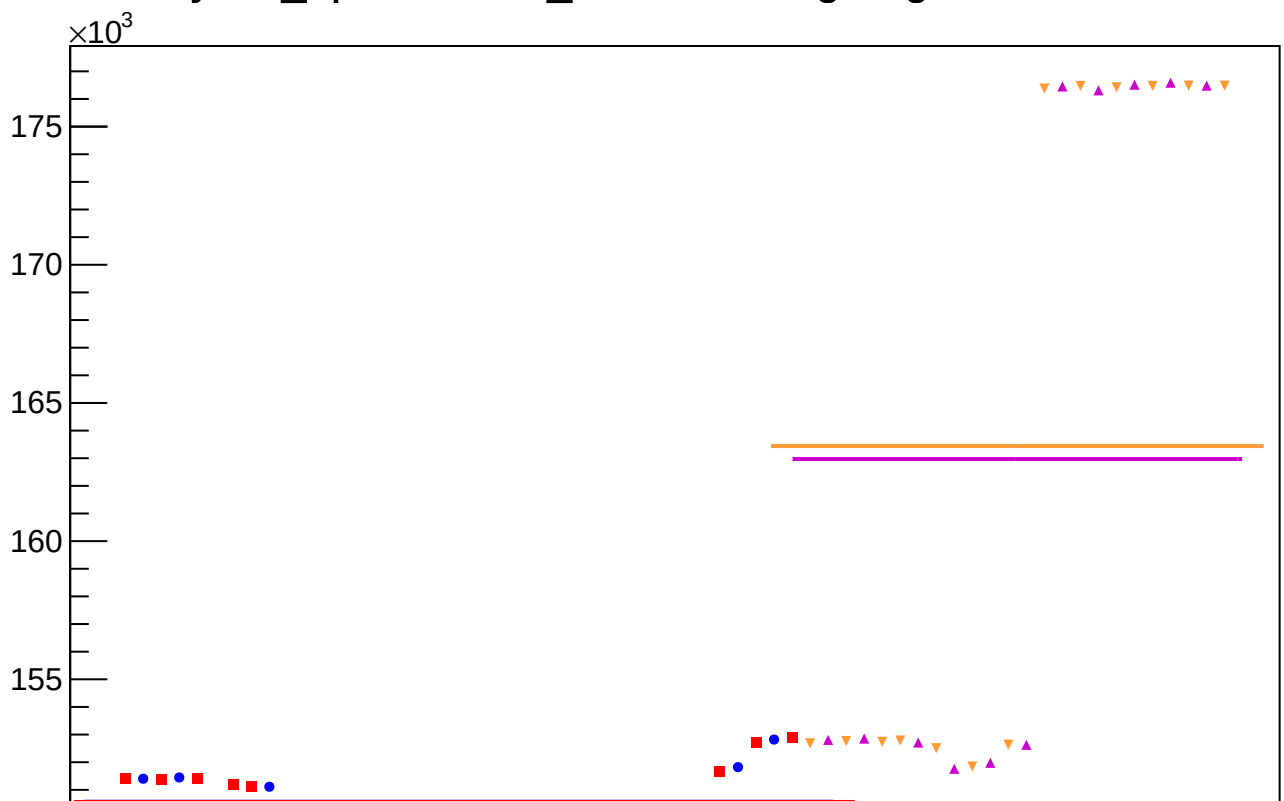
Left: 0.828+/-0.000 χ^2/NDF: 330363.4/23

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.840+/-0.000 χ^2/NDF:2437325.2/26

Out: 0.839+/-0.000 χ^2/NDF:2417842.0/31

All: 0.840+/-0.000 χ^2/NDF: 4855170.1/58



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 163440.126+/-0.057 χ^2/NDF:44214809147.6/12

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

Left: 163218.089+/-0.041 χ^2/NDF: 83883620101.3/

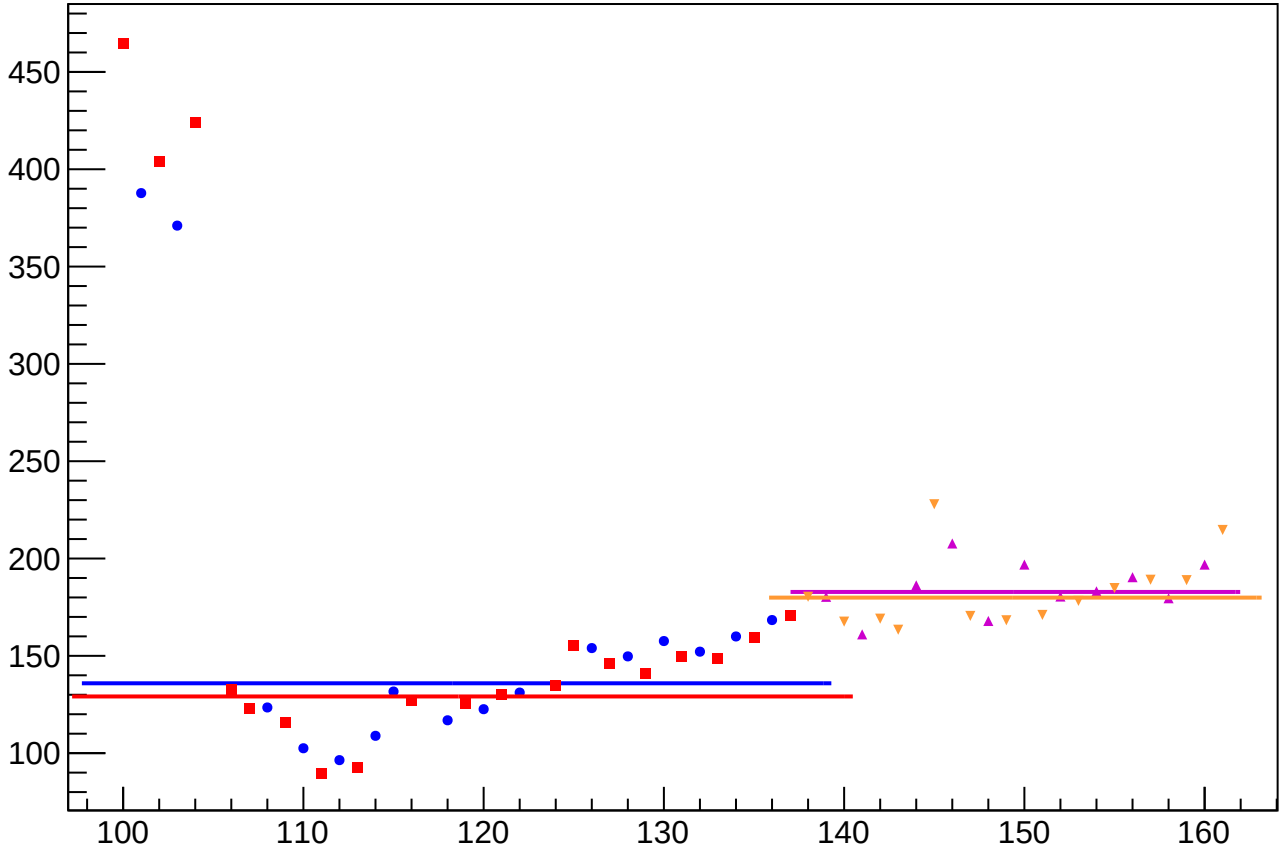
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 156211.145+/-0.040 χ^2/NDF:63337446104.5/2

Out: 156330.702+/-0.038 χ^2/NDF:72997315893.3

All: 156274.647+/-0.028 χ^2/NDF: 13633943

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 179.916+/-0.040 χ^2/NDF:169356.3/12

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

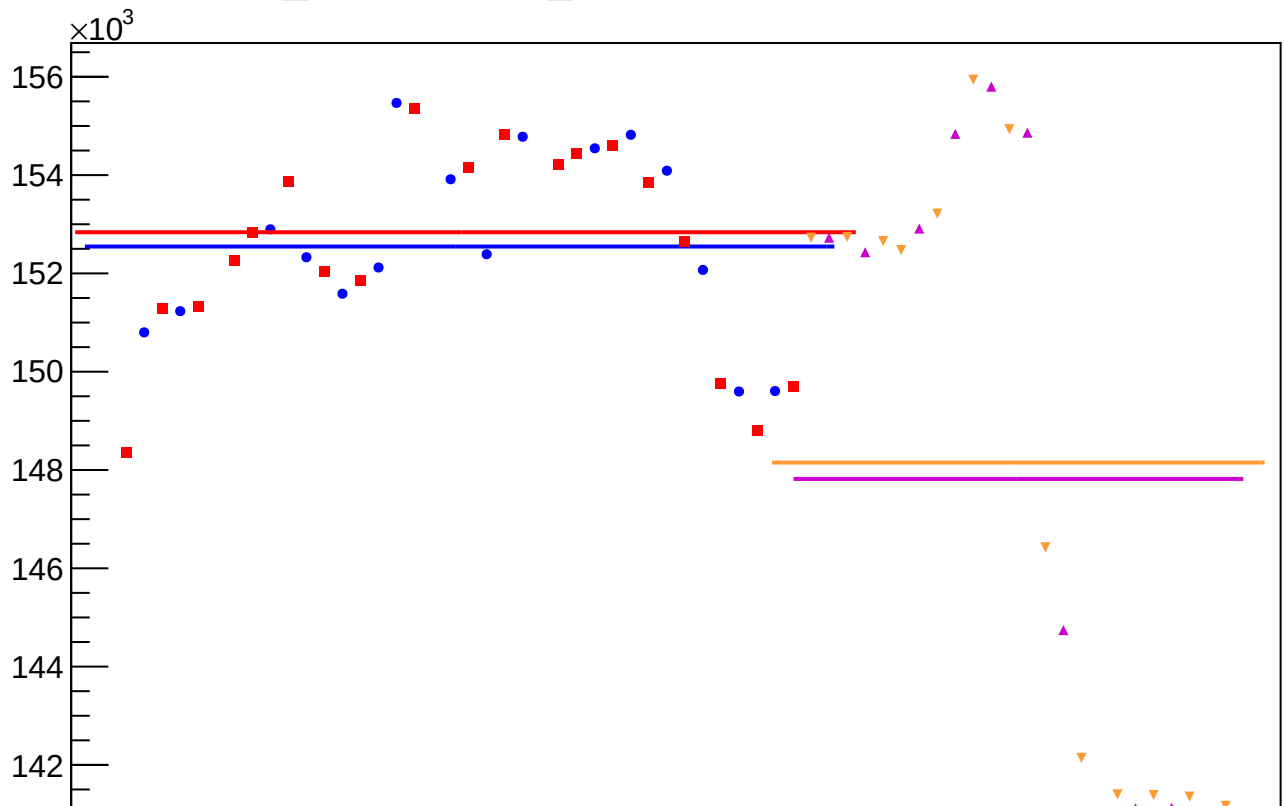
Left: 181.293+/-0.029 χ^2/NDF: 263764.9/23

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 157.249+/-0.029 χ^2/NDF:2180304.0/26

Out: 151.880+/-0.027 χ^2/NDF:2672707.8/31

All: 154.398+/-0.020 χ^2/NDF: 4871849.4/58



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148151.531+/-0.063 χ^2/NDF:8145234778.8/12

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

Left: 147992.887+/-0.045 χ^2/NDF: 16551150215.6

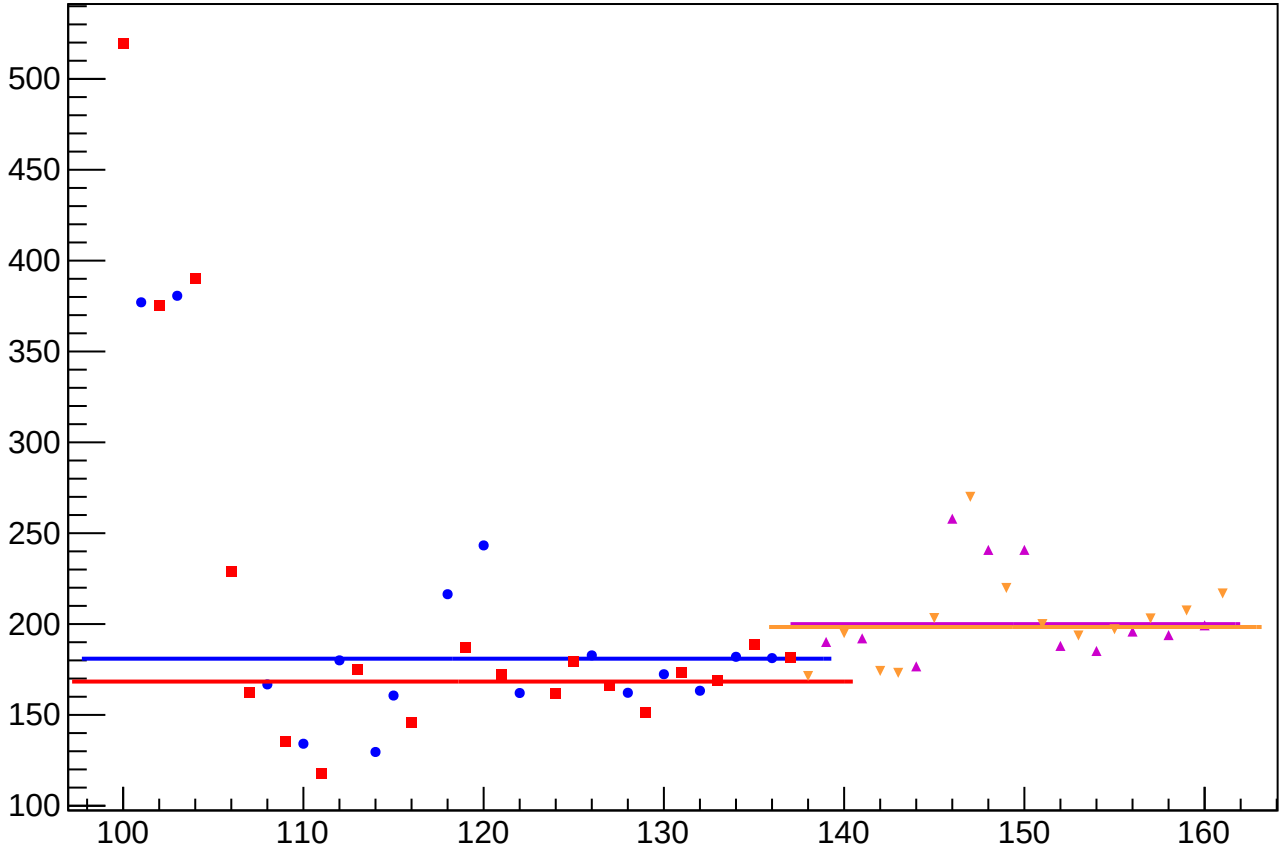
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149951.365+/-0.049 χ^2/NDF:11374651720.7/2

Out: 150352.526+/-0.046 χ^2/NDF:11503307606.5

All: 150165.049+/-0.033 χ^2/NDF: 22913996

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 198.374+/-0.044 χ^2/NDF:236935.0/12

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

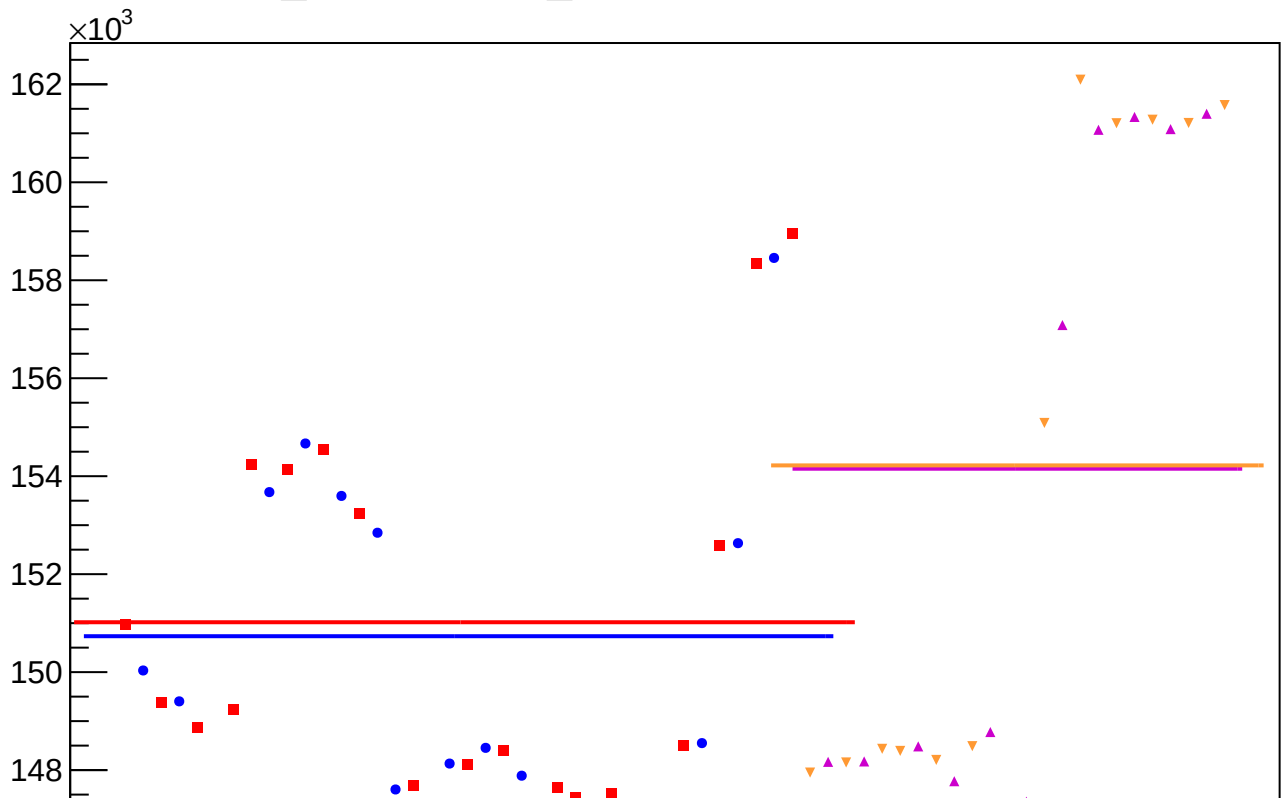
Left: 199.128+/-0.032 χ^2/NDF: 481843.8/23

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.378+/-0.034 χ^2/NDF:1227374.1/26

Out: 184.272+/-0.032 χ^2/NDF:1541207.5/31

All: 187.593+/-0.024 χ^2/NDF: 2791196.2/58



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154220.437+/-0.060 χ^2/NDF:11214009804.9/12

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 154152.591+/-0.064 χ^2/NDF:9547949795.0/10

Left: 154188.484+/-0.044 χ^2/NDF: 20762558817.1

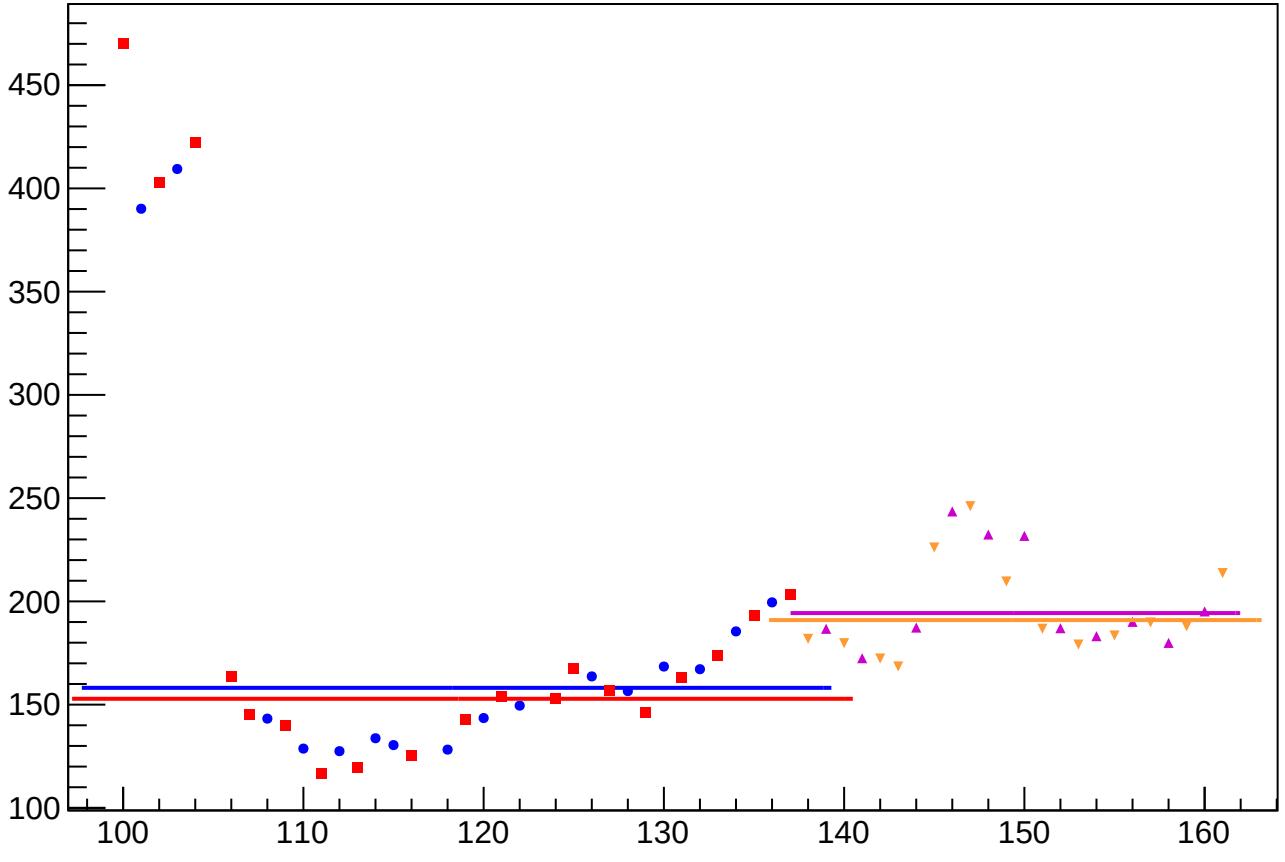
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152419.968+/-0.045 χ^2/NDF:14289544946.9/2

Out: 152616.985+/-0.042 χ^2/NDF:15919242426.2

All: 152523.609+/-0.031 χ^2/NDF: 30218972

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.940+/-0.043 χ^2/NDF:212509.2/12

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.343+/-0.045 χ^2/NDF:216948.4/10

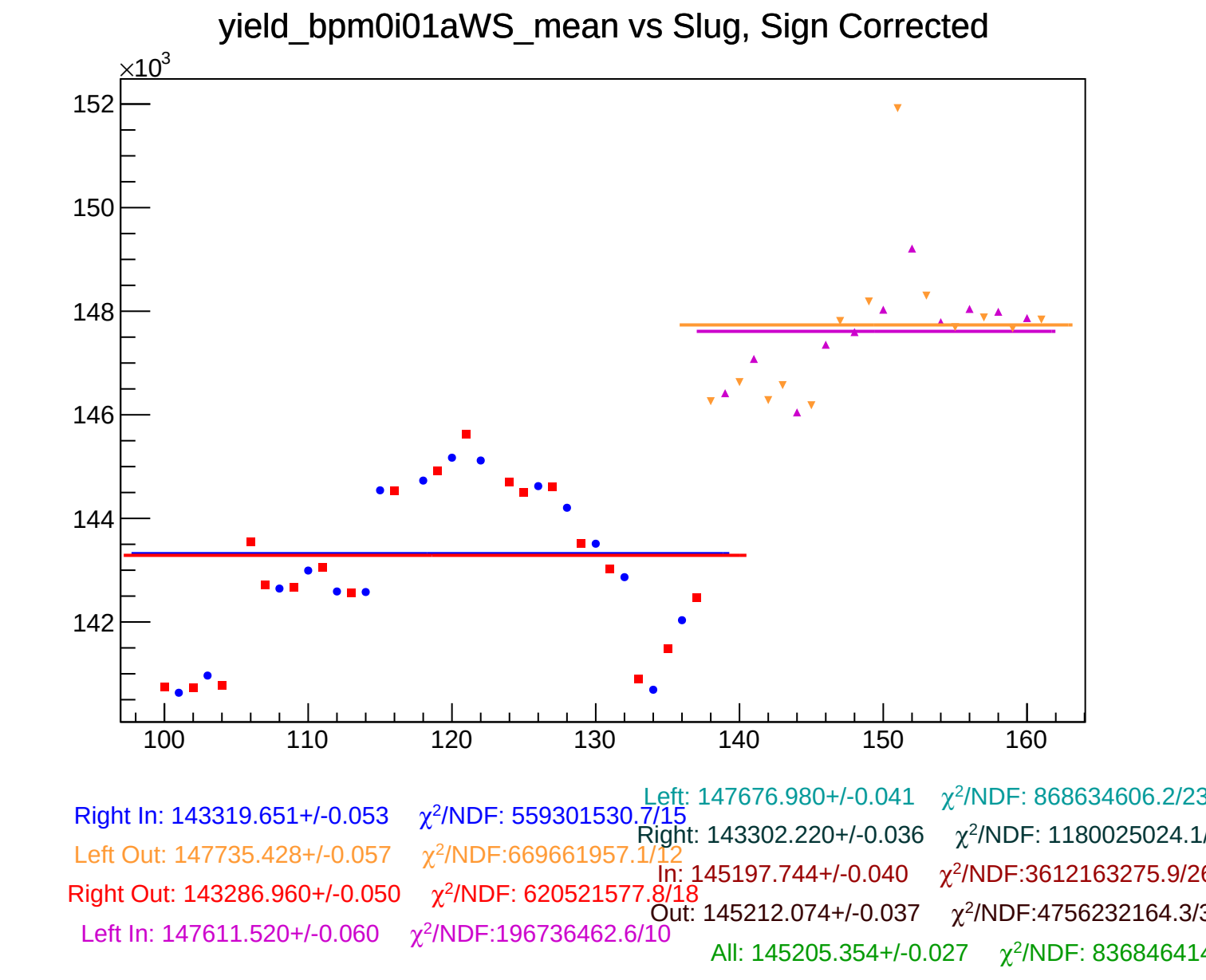
Left: 192.543+/-0.031 χ^2/NDF: 432473.7/23

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 175.997+/-0.032 χ^2/NDF:1739529.9/26

Out: 171.861+/-0.030 χ^2/NDF:1878569.8/31

All: 173.821+/-0.022 χ^2/NDF: 3627079.2/58


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
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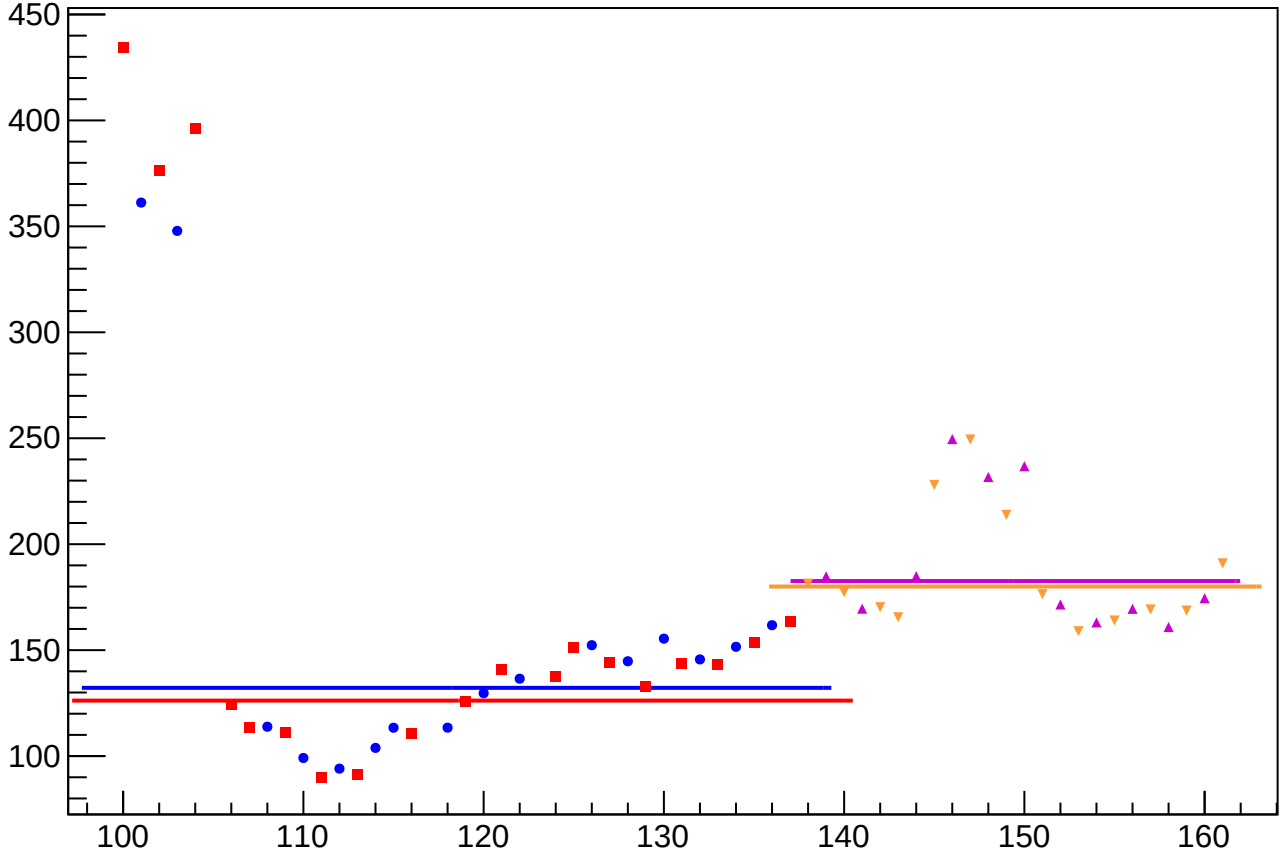
130
140
150
160
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147735.428+/-0.057 χ²/NDF:669661957.1/12
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147611.520+/-0.060 χ²/NDF:196736462.6/10
Left: 147676.980+/-0.041 χ²/NDF: 868634606.2/23
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145197.744+/-0.040 χ²/NDF:3612163275.9/26
Out: 145212.074+/-0.037 χ²/NDF:4756232164.3/3
All: 145205.354+/-0.027 χ²/NDF: 83684641

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 180.025+/-0.040 χ^2/NDF:318593.9/12

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 182.614+/-0.043 χ^2/NDF:380054.8/10

Left: 181.246+/-0.029 χ^2/NDF: 700601.8/23

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 154.263+/-0.028 χ^2/NDF:2547259.3/26

Out: 149.488+/-0.026 χ^2/NDF:2878824.1/31

All: 151.727+/-0.019 χ^2/NDF: 5441341.8/58

Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120100.171+/-0.056 χ^2/NDF:1751149370.6/12

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119979.107+/-0.056 χ^2/NDF:1143818556.2/10

Left: 120040.178+/-0.039 χ^2/NDF: 2897325848.4/2

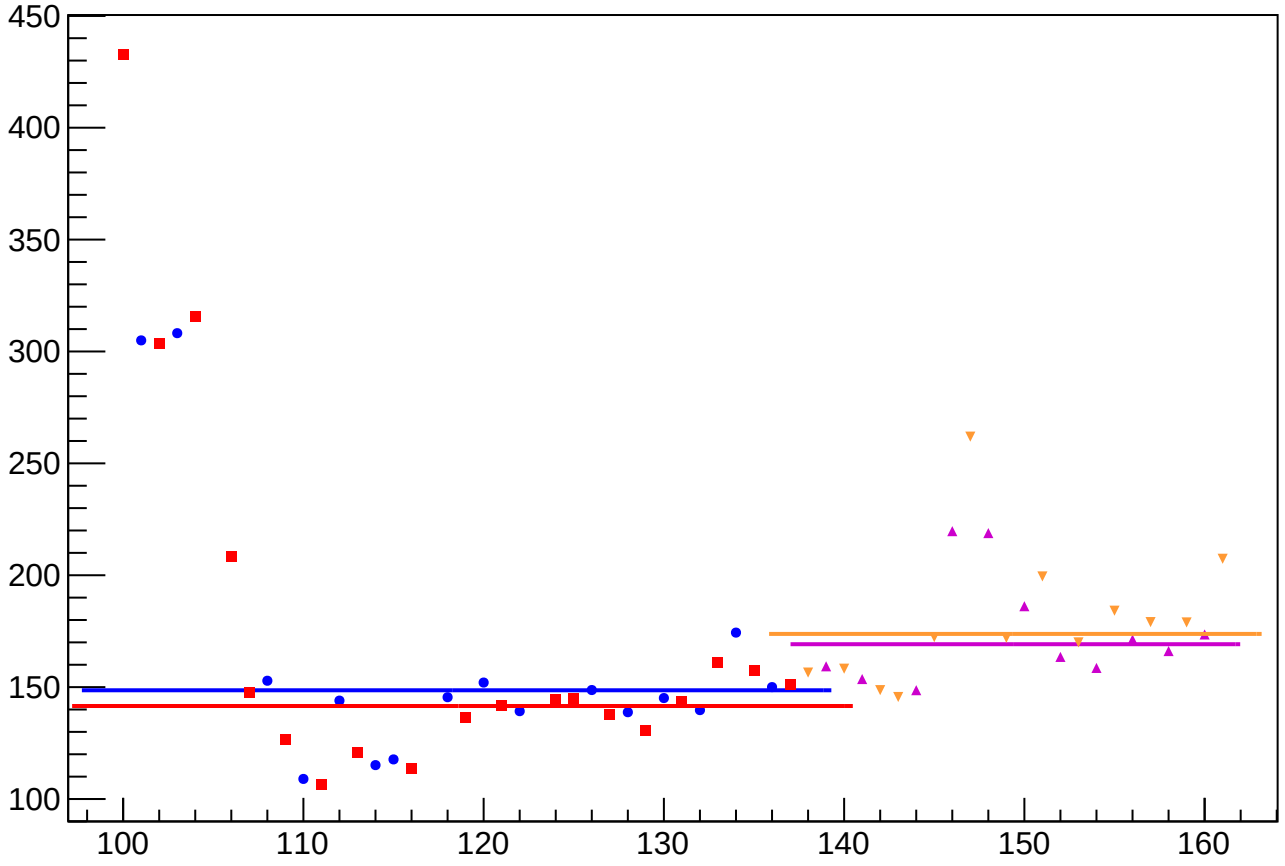
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123678.835+/-0.040 χ^2/NDF:10364408654.1/2

Out: 123957.946+/-0.039 χ^2/NDF:11421991503.9

All: 123823.266+/-0.028 χ^2/NDF: 21811069

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 173.780+/-0.039 χ^2/NDF:378043.3/12

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.182+/-0.040 χ^2/NDF:257270.5/10

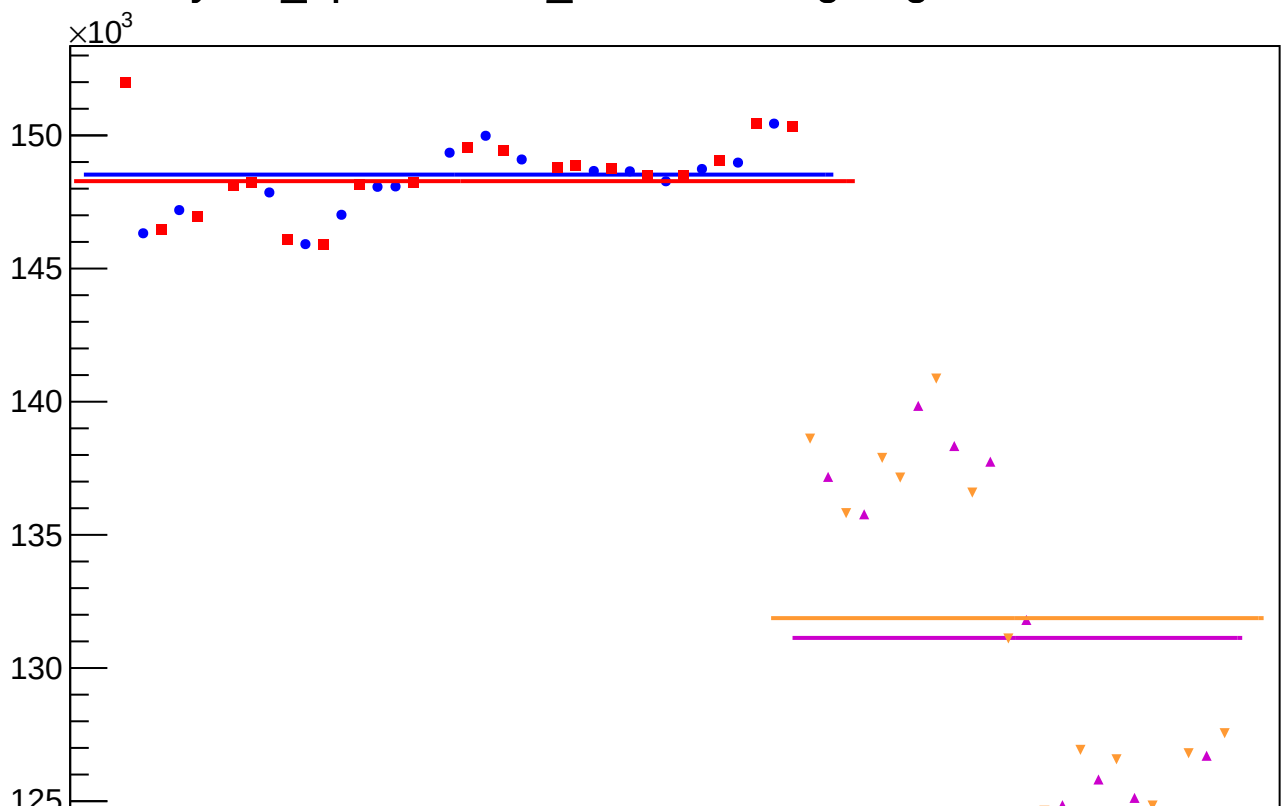
Left: 171.501+/-0.028 χ^2/NDF: 642117.6/23

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 159.322+/-0.029 χ^2/NDF:1214441.2/26

Out: 157.500+/-0.028 χ^2/NDF:1719811.3/31

All: 158.380+/-0.020 χ^2/NDF: 2936355.7/58



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131873.510+/-0.080 χ^2/NDF:4855151996.3/12

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 131130.553+/-0.082 χ^2/NDF:5221708324.5/10

Left: 131509.358+/-0.057 χ^2/NDF: 10118860512.3

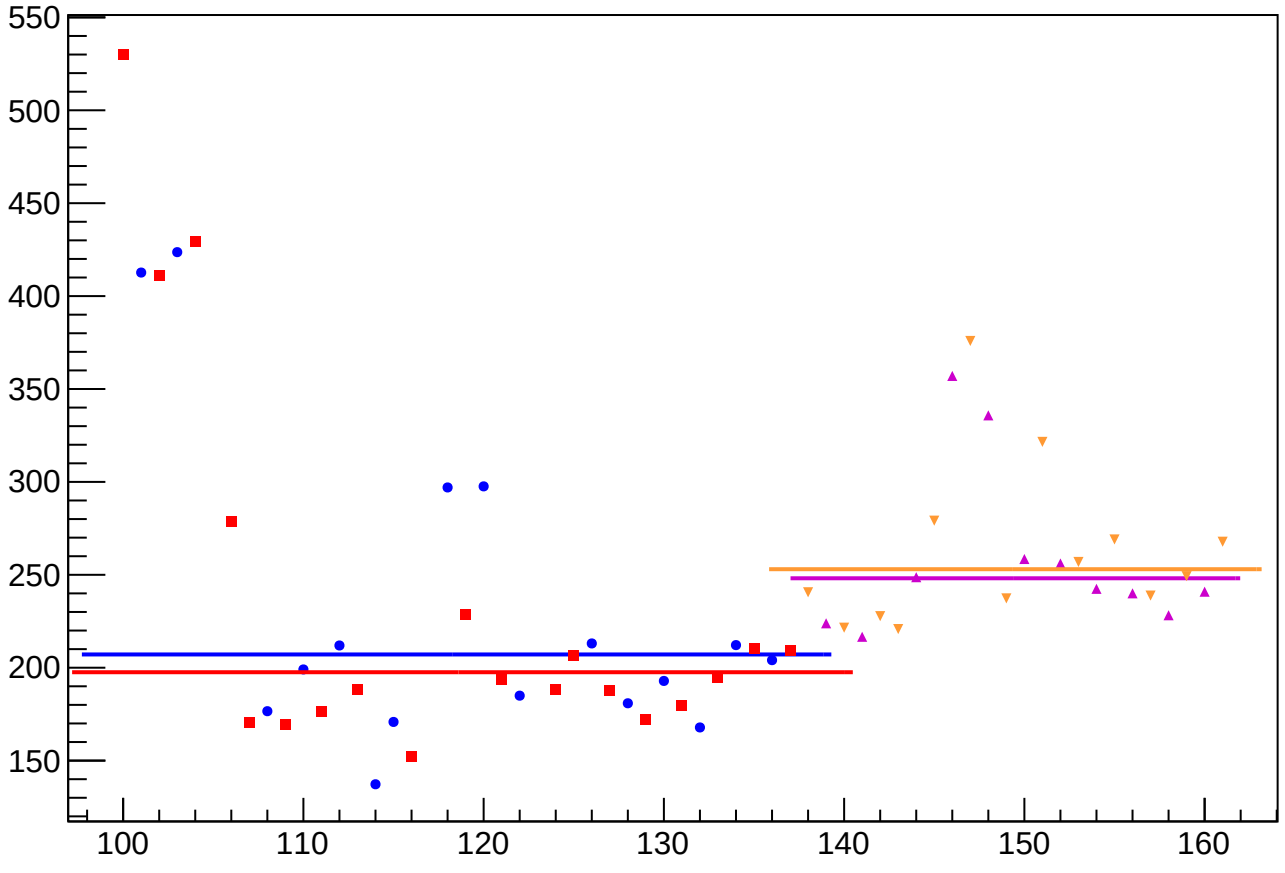
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 139820.453+/-0.058 χ^2/NDF:27992172404.3/2

Out: 140459.817+/-0.055 χ^2/NDF:27021370287.5

All: 140154.213+/-0.040 χ^2/NDF: 550771712

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 253.017+/-0.057 χ^2/NDF:367084.8/12

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.131+/-0.058 χ^2/NDF:351033.3/10

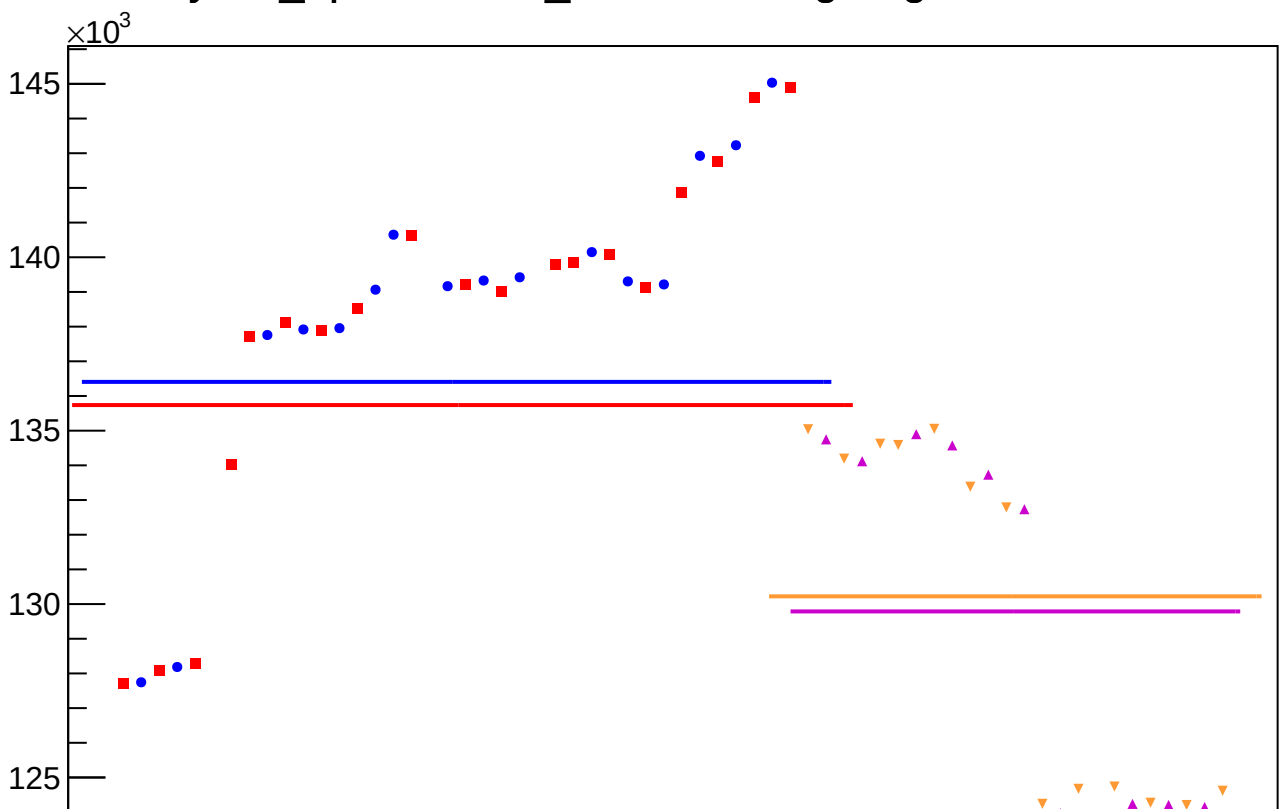
Left: 250.622+/-0.041 χ^2/NDF: 721750.4/23

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 227.654+/-0.041 χ^2/NDF:1573821.1/26

Out: 224.003+/-0.039 χ^2/NDF:1770557.5/31

All: 225.748+/-0.028 χ^2/NDF: 3348527.3/58



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130222.847+/-0.186 χ^2/NDF:709582963.5/12

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129787.958+/-0.198 χ^2/NDF:648001998.4/10

Left: 130018.841+/-0.136 χ^2/NDF: 1360146264.3/2

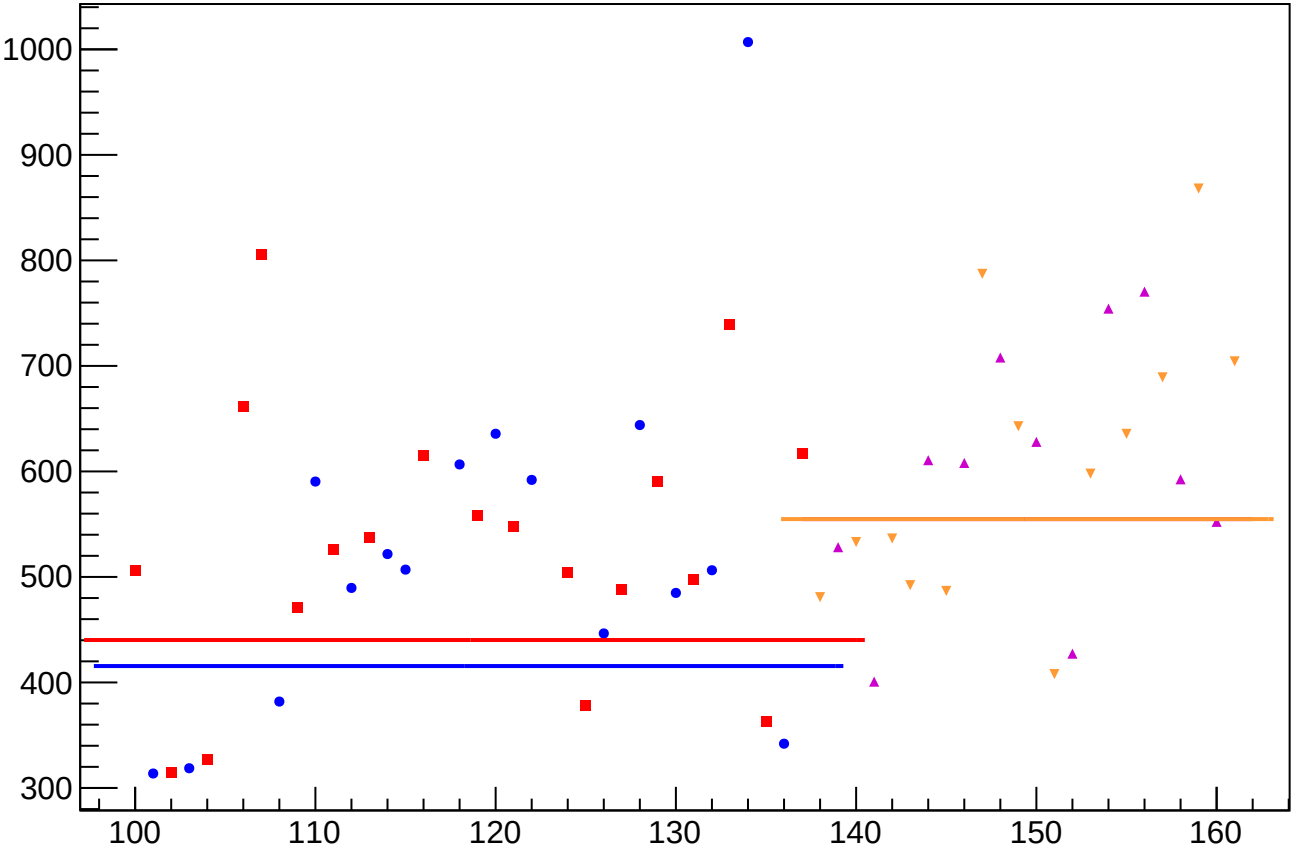
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133625.243+/-0.128 χ^2/NDF:2872970235.9/26

Out: 133124.096+/-0.128 χ^2/NDF:2345677164.6/3

All: 133374.238+/-0.091 χ^2/NDF: 522628262

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 554.823+/-0.132 χ^2/NDF:773446.3/12

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 554.811+/-0.140 χ^2/NDF:674747.1/10

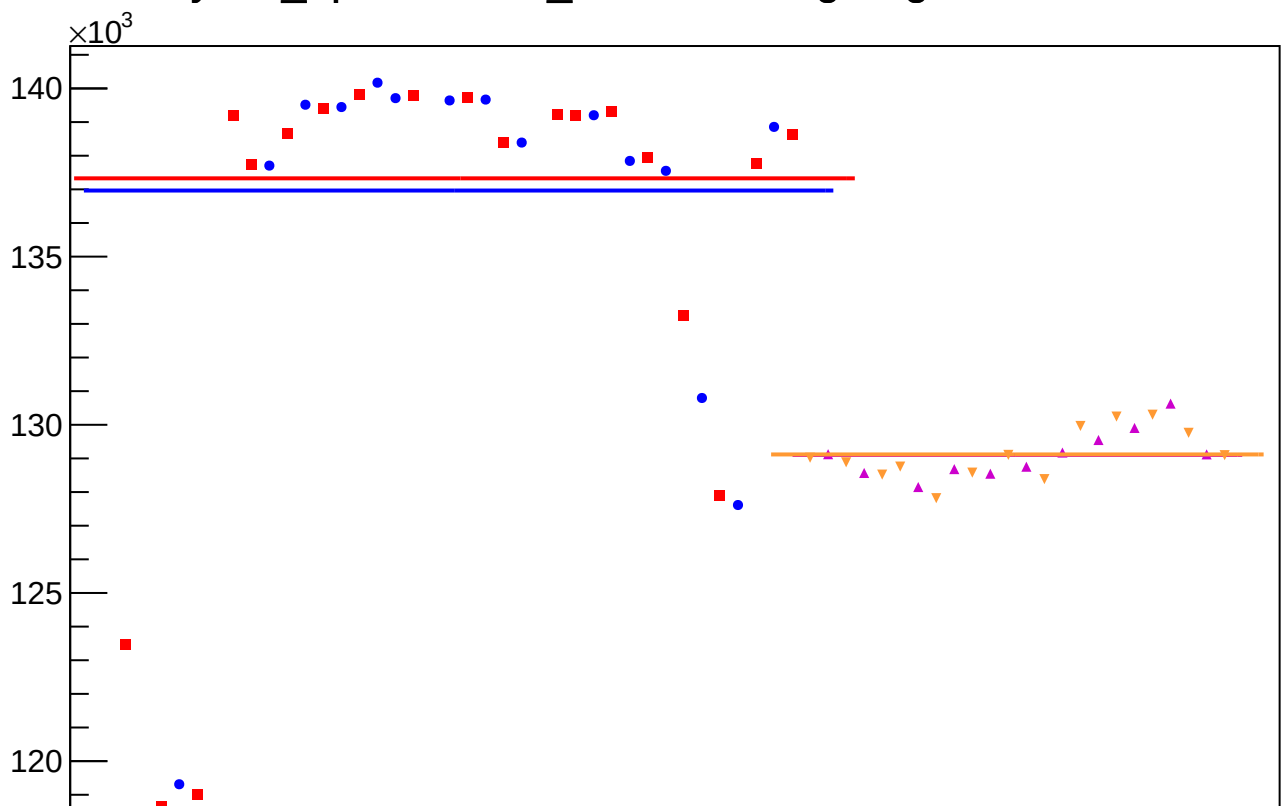
Left: 554.817+/-0.096 χ^2/NDF: 1448193.5/23

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 474.074+/-0.091 χ^2/NDF:2279976.4/26

Out: 494.539+/-0.091 χ^2/NDF:2083145.2/31

All: 484.324+/-0.064 χ^2/NDF: 4388586.9/58



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129118.452+/-0.059 χ^2/NDF:145607361.1/12

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129102.009+/-0.061 χ^2/NDF:125040839.5/10

Left: 129110.527+/-0.043 χ^2/NDF: 270685359.0/23

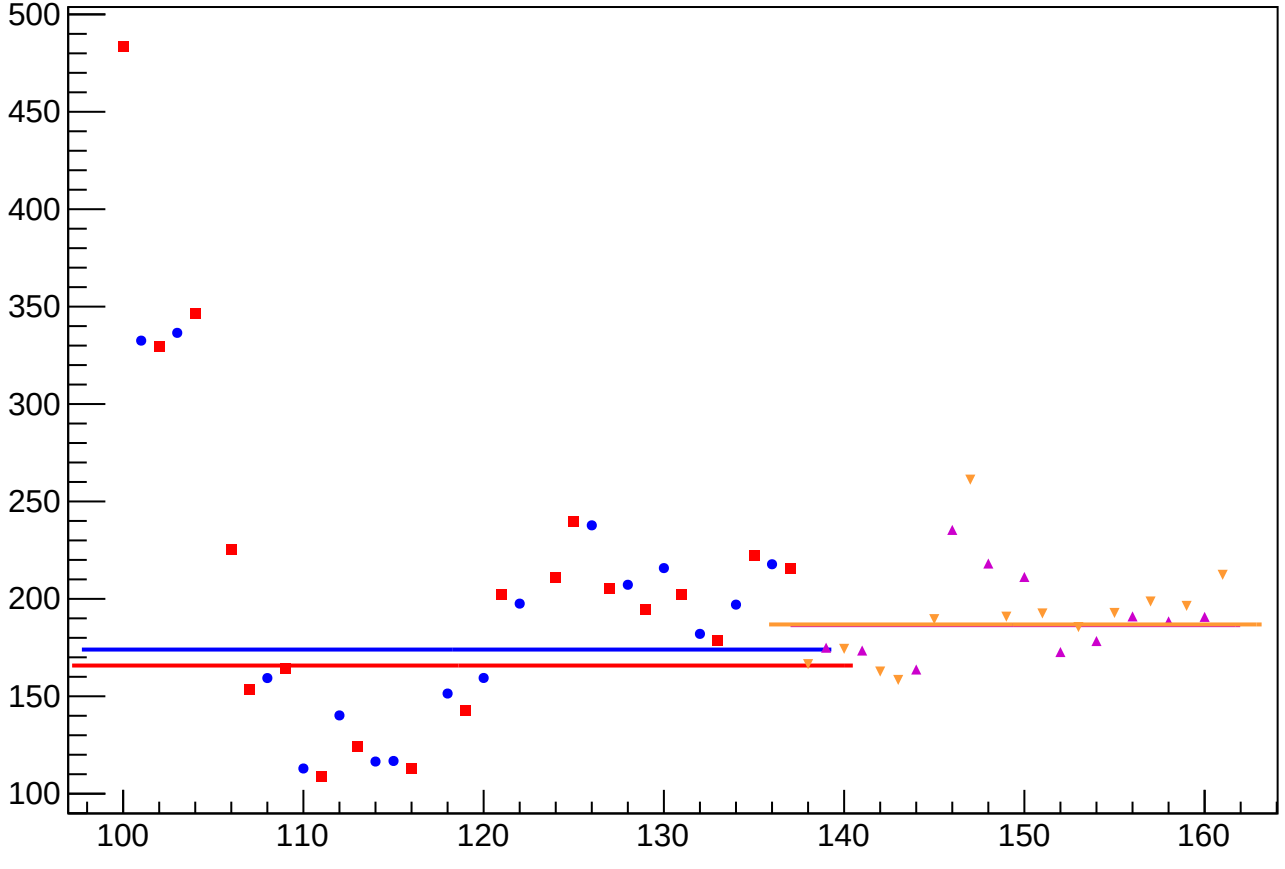
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 132535.585+/-0.046 χ^2/NDF:13096250430.6/2

Out: 132802.804+/-0.044 χ^2/NDF:14507082020.6

All: 132675.453+/-0.032 χ^2/NDF: 27620936

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 186.871+/-0.042 χ^2/NDF:270322.3/12

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.510+/-0.043 χ^2/NDF:201488.4/10

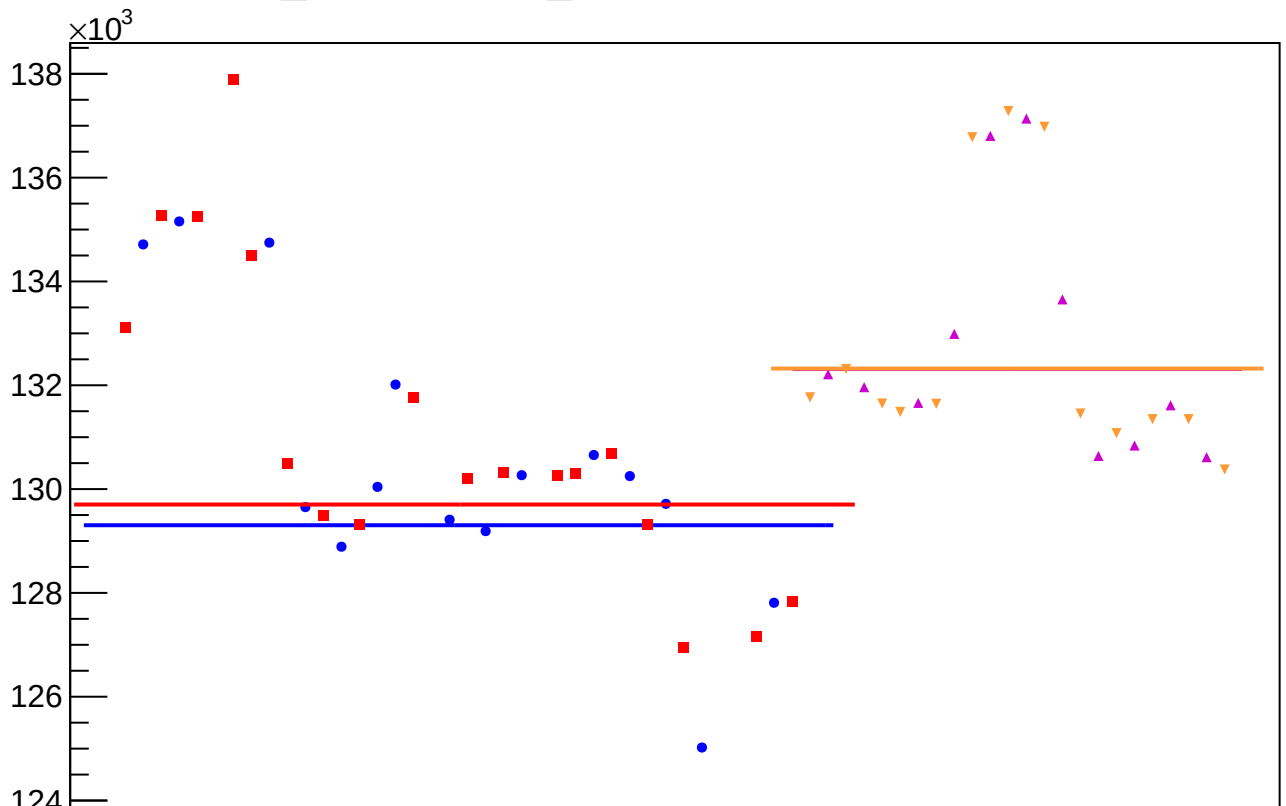
Left: 186.697+/-0.030 χ^2/NDF: 471846.5/23

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 181.039+/-0.033 χ^2/NDF:1426353.7/26

Out: 177.405+/-0.031 χ^2/NDF:1817332.2/31

All: 179.137+/-0.022 χ^2/NDF: 3250197.6/58



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132322.405+/-0.060 χ^2/NDF:1159240788.8/12

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132312.575+/-0.062 χ^2/NDF:871540437.6/10

Left: 132317.660+/-0.043 χ^2/NDF: 2030794196.1/2

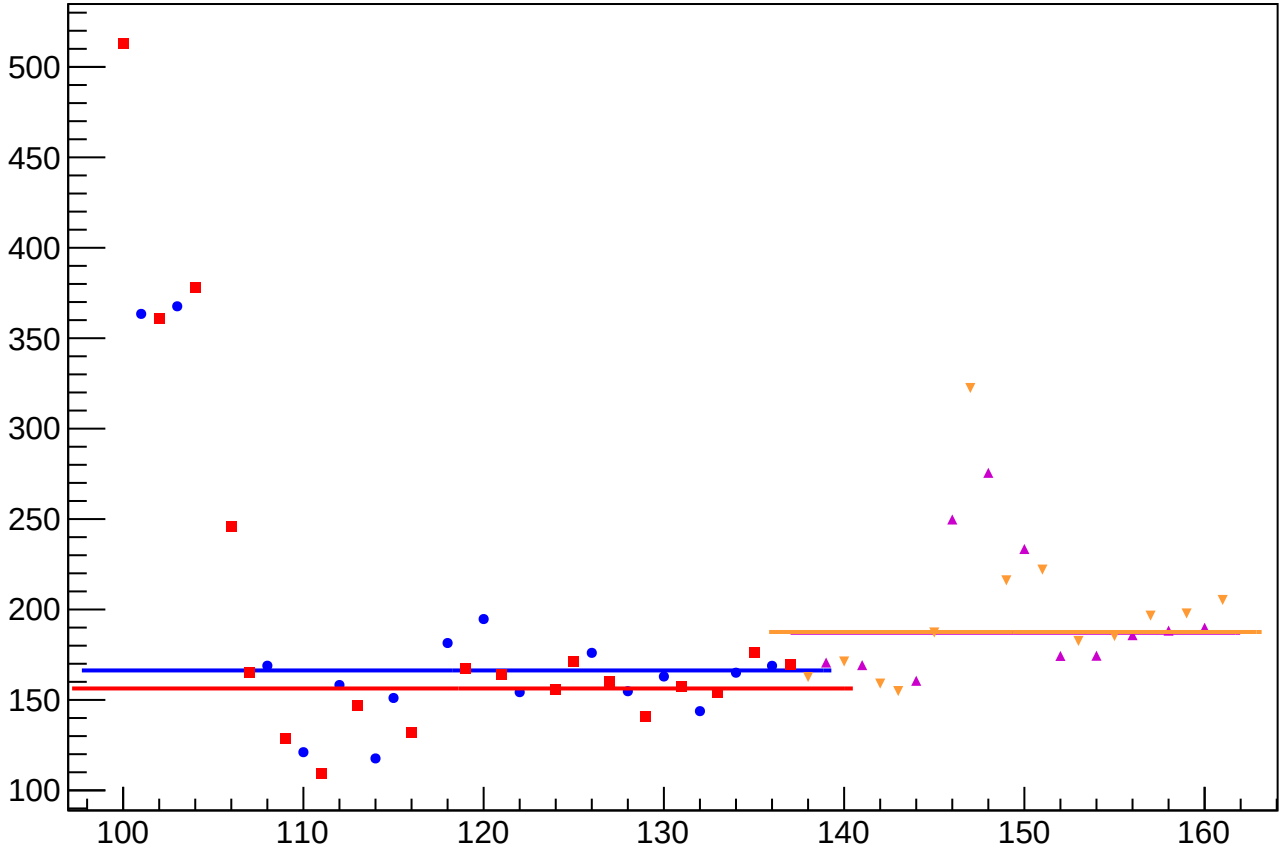
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130904.844+/-0.045 χ^2/NDF:3620844423.4/26

Out: 131046.426+/-0.043 χ^2/NDF:3866521598.2/3

All: 130979.377+/-0.031 χ^2/NDF: 74925122

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 187.567+/-0.042 χ^2/NDF:521621.8/12

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 187.139+/-0.044 χ^2/NDF:447273.7/10

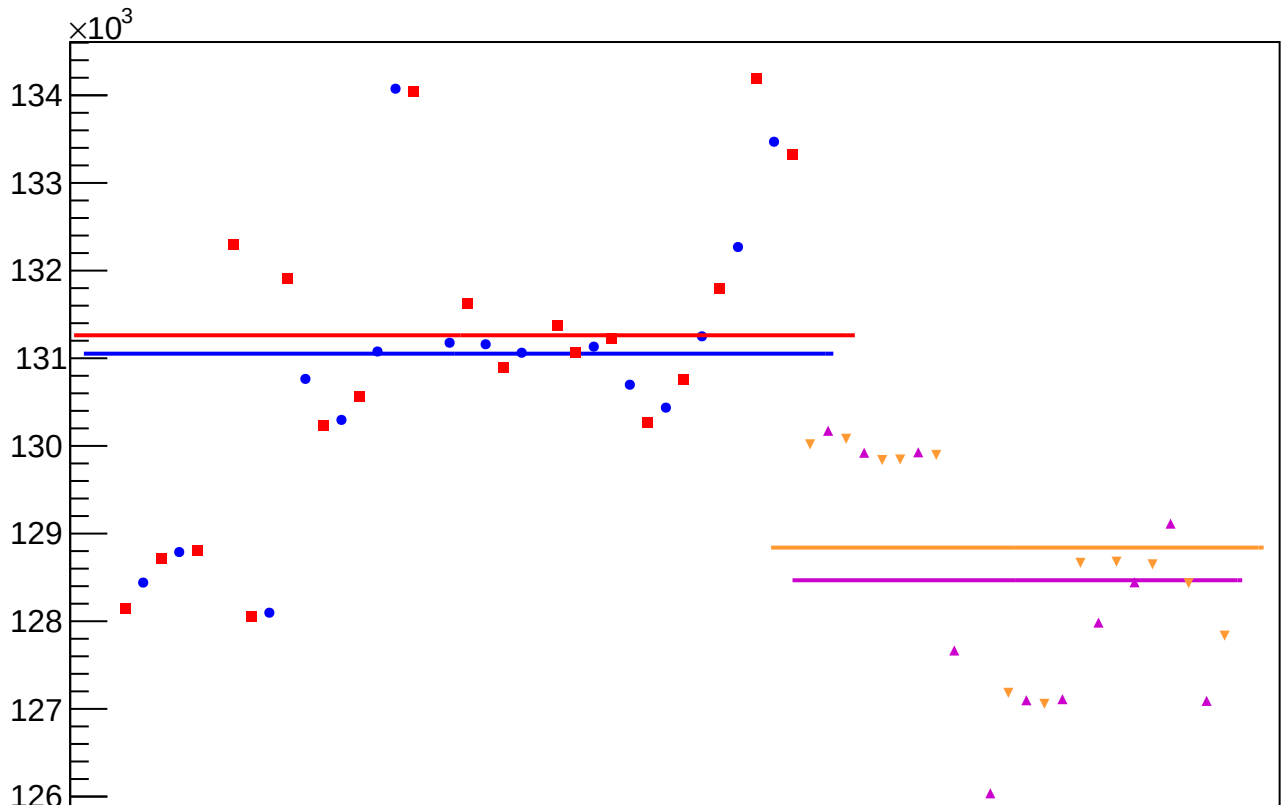
Left: 187.361+/-0.030 χ^2/NDF: 968944.5/23

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 177.390+/-0.032 χ^2/NDF:1490653.8/26

Out: 172.355+/-0.030 χ^2/NDF:1958684.2/31

All: 174.739+/-0.022 χ^2/NDF: 3462354.1/58



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128840.085+/-0.057 χ^2/NDF:432248092.2/12

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128467.481+/-0.059 χ^2/NDF:500427872.5/10

Left: 128660.904+/-0.041 χ^2/NDF: 953167942.0/23

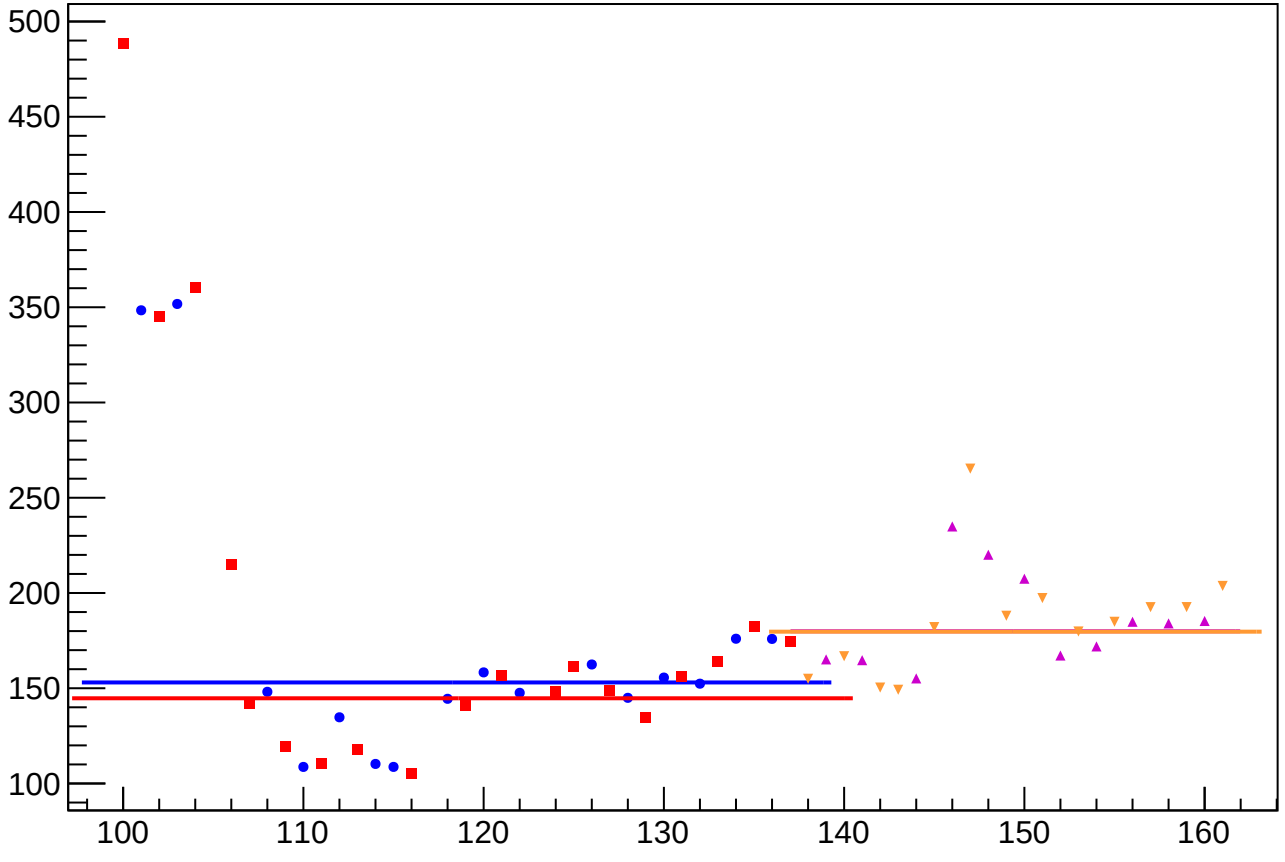
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129731.159+/-0.042 χ^2/NDF:1952927810.2/26

Out: 130059.997+/-0.040 χ^2/NDF:1943455199.1/3

All: 129904.271+/-0.029 χ^2/NDF: 39280493

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 179.696+/-0.040 χ^2/NDF:372618.7/12

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.906+/-0.042 χ^2/NDF:271140.2/10

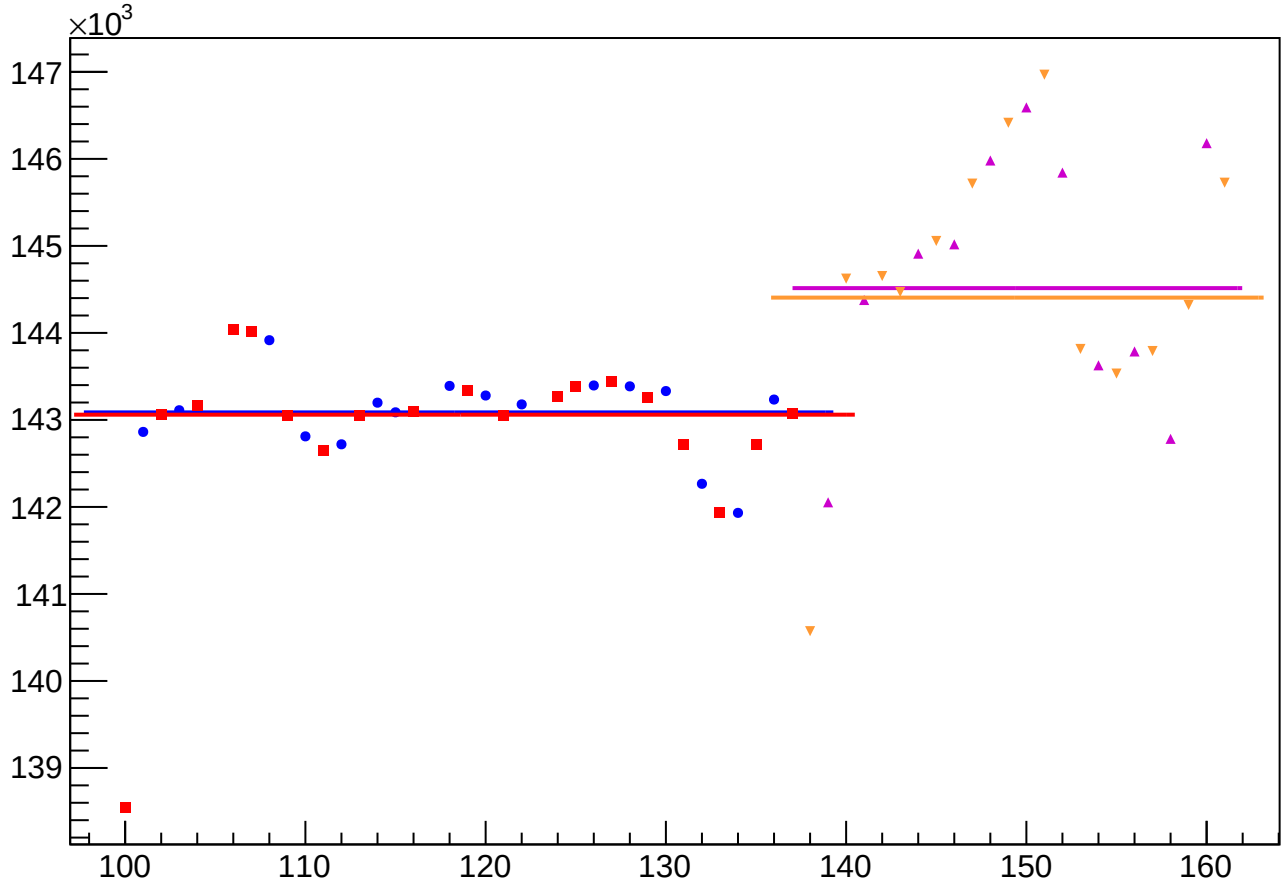
Left: 179.797+/-0.029 χ^2/NDF: 643772.0/23

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 166.774+/-0.030 χ^2/NDF:1531227.9/26

Out: 162.086+/-0.028 χ^2/NDF:2014024.0/31

All: 164.306+/-0.021 χ^2/NDF: 3558123.5/58



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144405.725+/-0.066 χ^2/NDF:594726905.1/12

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144514.735+/-0.068 χ^2/NDF:427407552.4/10

Left: 144458.710+/-0.047 χ^2/NDF: 1023450364.4/2

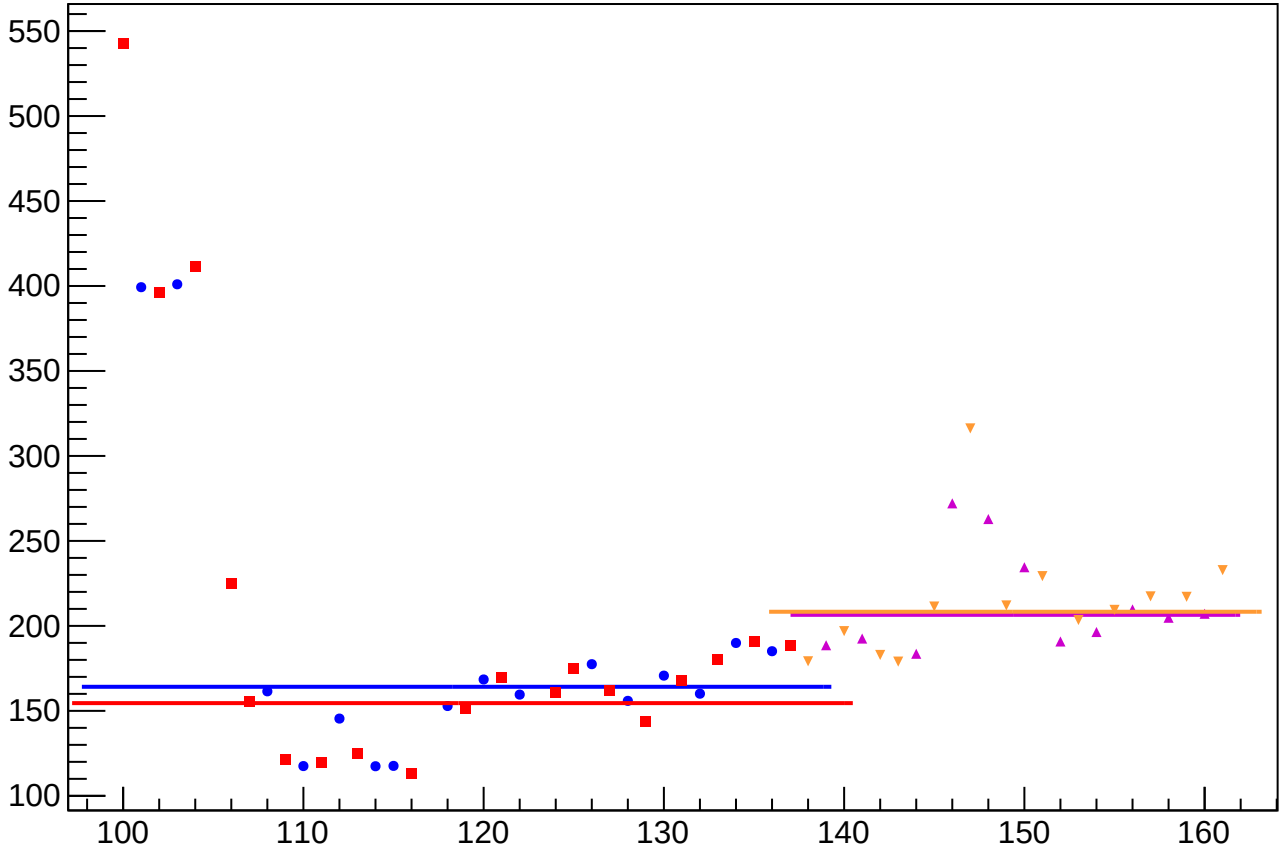
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143768.002+/-0.047 χ^2/NDF:703933504.2/26

Out: 143673.781+/-0.045 χ^2/NDF:870807395.7/31

All: 143718.510+/-0.032 χ^2/NDF: 15768465

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 208.323+/-0.047 χ^2/NDF:333116.9/12

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.502+/-0.048 χ^2/NDF:269015.0/10

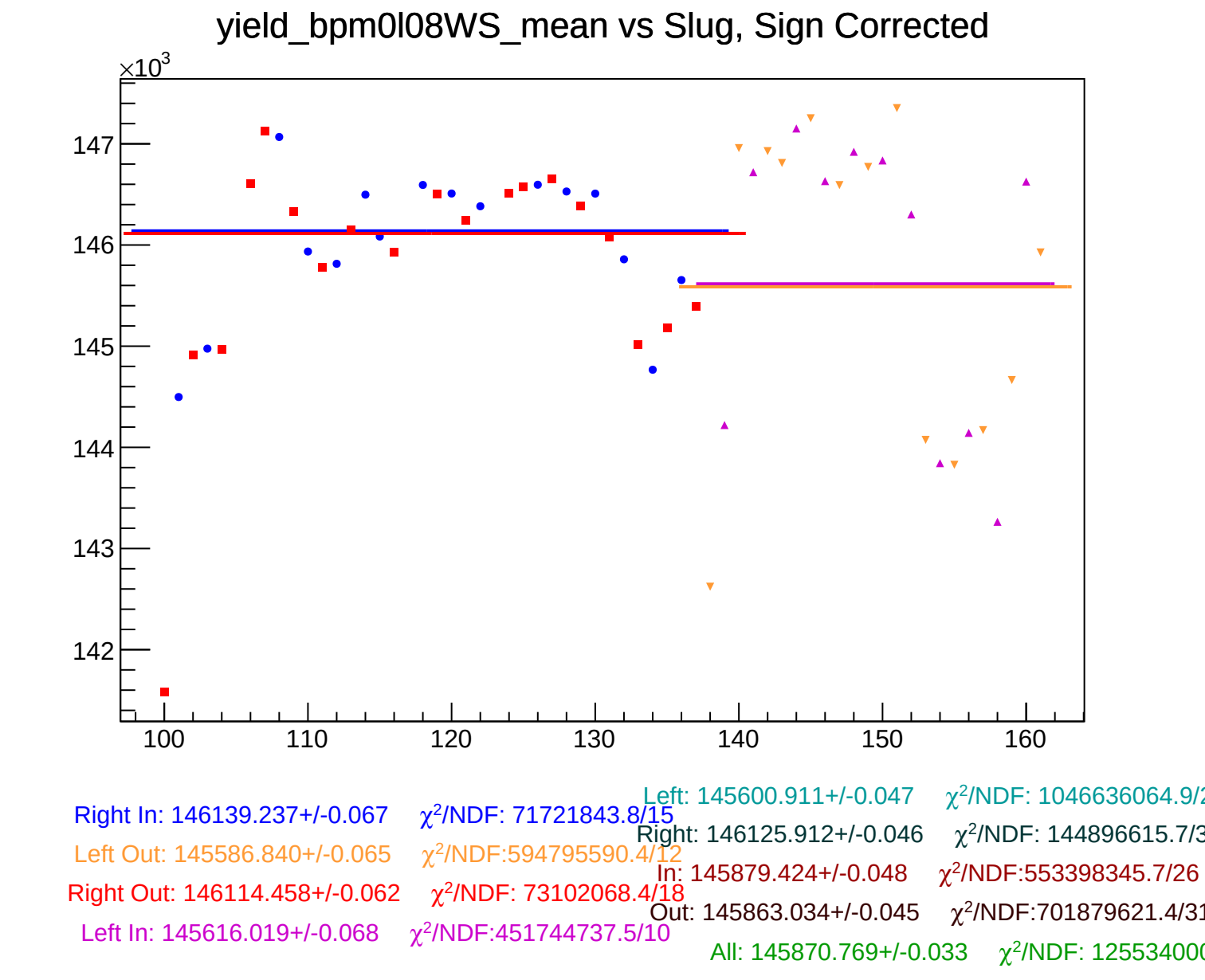
Left: 207.438+/-0.034 χ^2/NDF: 602865.8/23

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

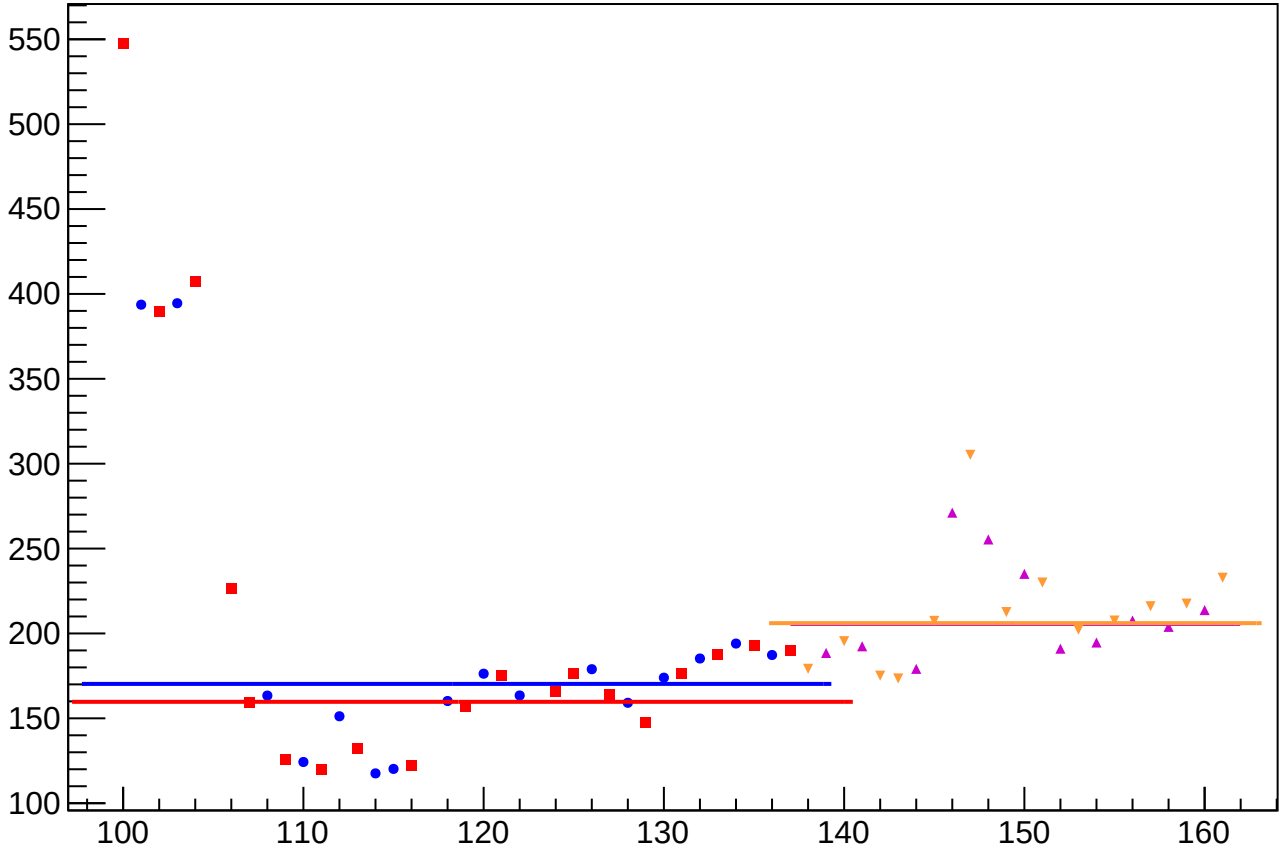
In: 184.368+/-0.033 χ^2/NDF:1802592.1/26

Out: 179.074+/-0.032 χ^2/NDF:2416488.8/31

All: 181.587+/-0.023 χ^2/NDF: 4232376.1/58


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
160
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145586.840+/-0.065 χ²/NDF:594795590.4/12
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145616.019+/-0.068 χ²/NDF:451744737.5/10
Left: 145600.911+/-0.047 χ²/NDF: 1046636064.9/2
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145879.424+/-0.048 χ²/NDF:553398345.7/26
Out: 145863.034+/-0.045 χ²/NDF:701879621.4/31
All: 145870.769+/-0.033 χ²/NDF: 12553400

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 206.061+/-0.046 χ^2/NDF:343017.1/12

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.598+/-0.048 χ^2/NDF:268755.3/10

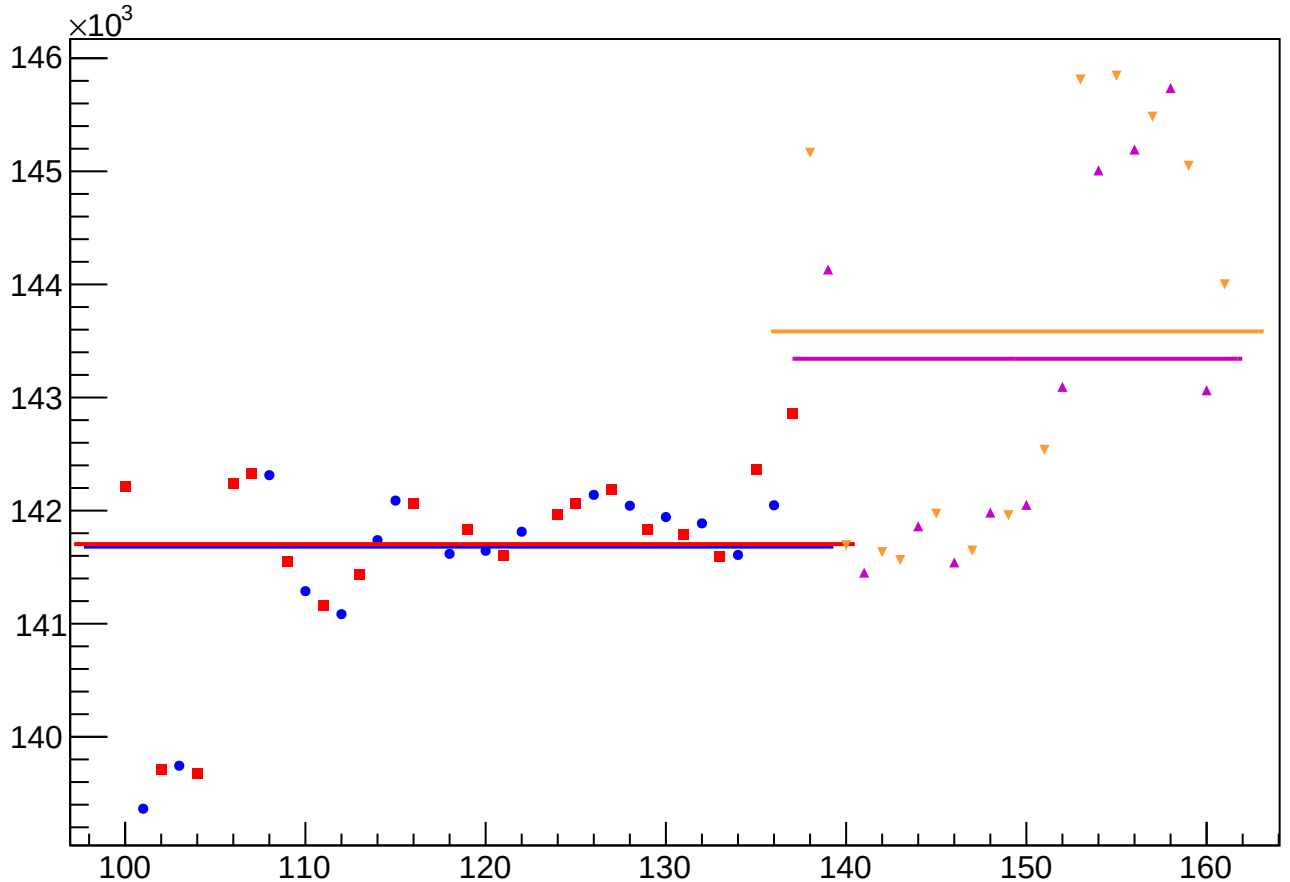
Left: 205.837+/-0.033 χ^2/NDF: 611820.6/23

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 187.817+/-0.034 χ^2/NDF:1599164.5/26

Out: 181.805+/-0.032 χ^2/NDF:2158496.5/31

All: 184.642+/-0.023 χ^2/NDF: 3774357.8/58



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143584.892+/-0.069 χ^2/NDF:637146721.8/12

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143342.797+/-0.071 χ^2/NDF:449275797.6/10

Left: 143466.694+/-0.050 χ^2/NDF: 1092369963.8/2

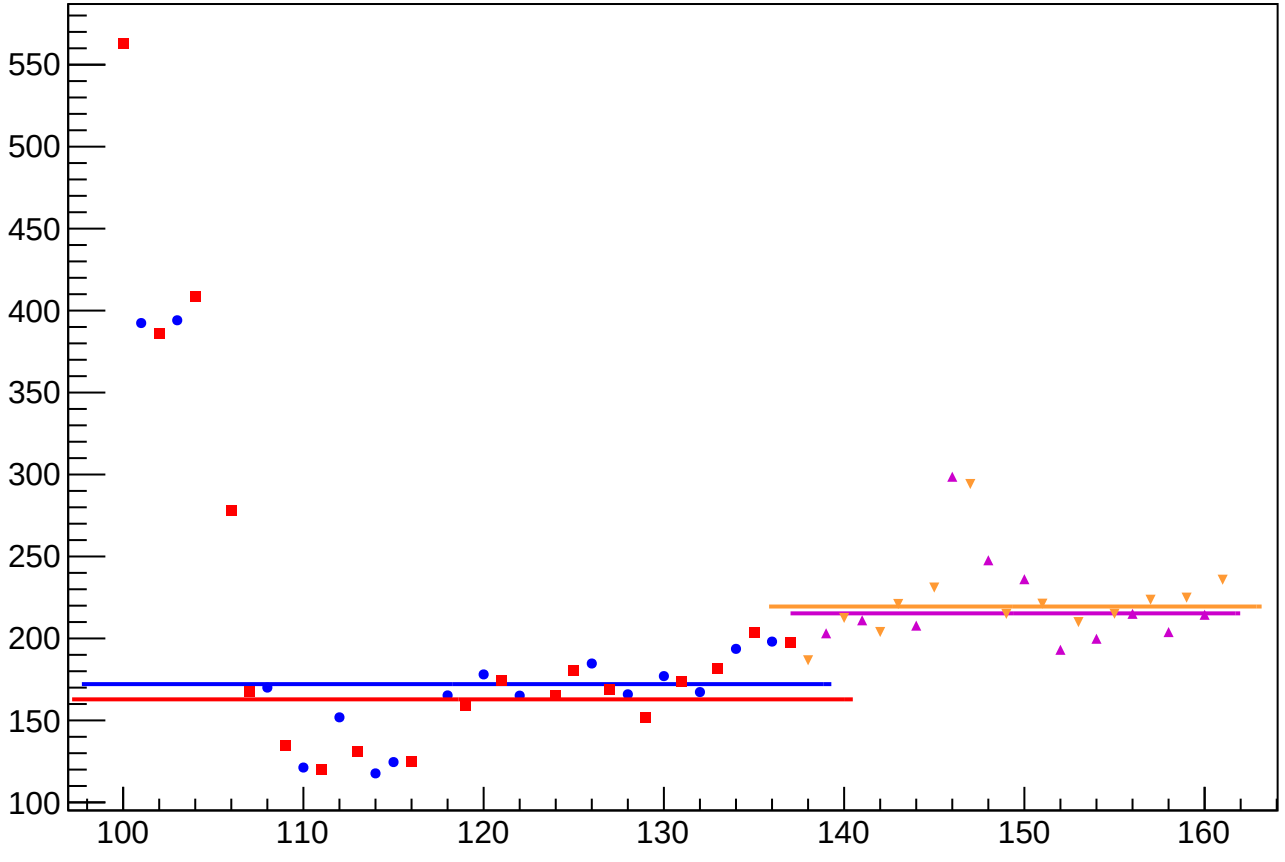
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142479.585+/-0.049 χ^2/NDF:797857621.7/26

Out: 142566.002+/-0.047 χ^2/NDF:1100947783.7/3

All: 142524.824+/-0.034 χ^2/NDF: 19004194

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 219.475+/-0.049 χ^2/NDF:177808.2/12

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.303+/-0.050 χ^2/NDF:223420.9/10

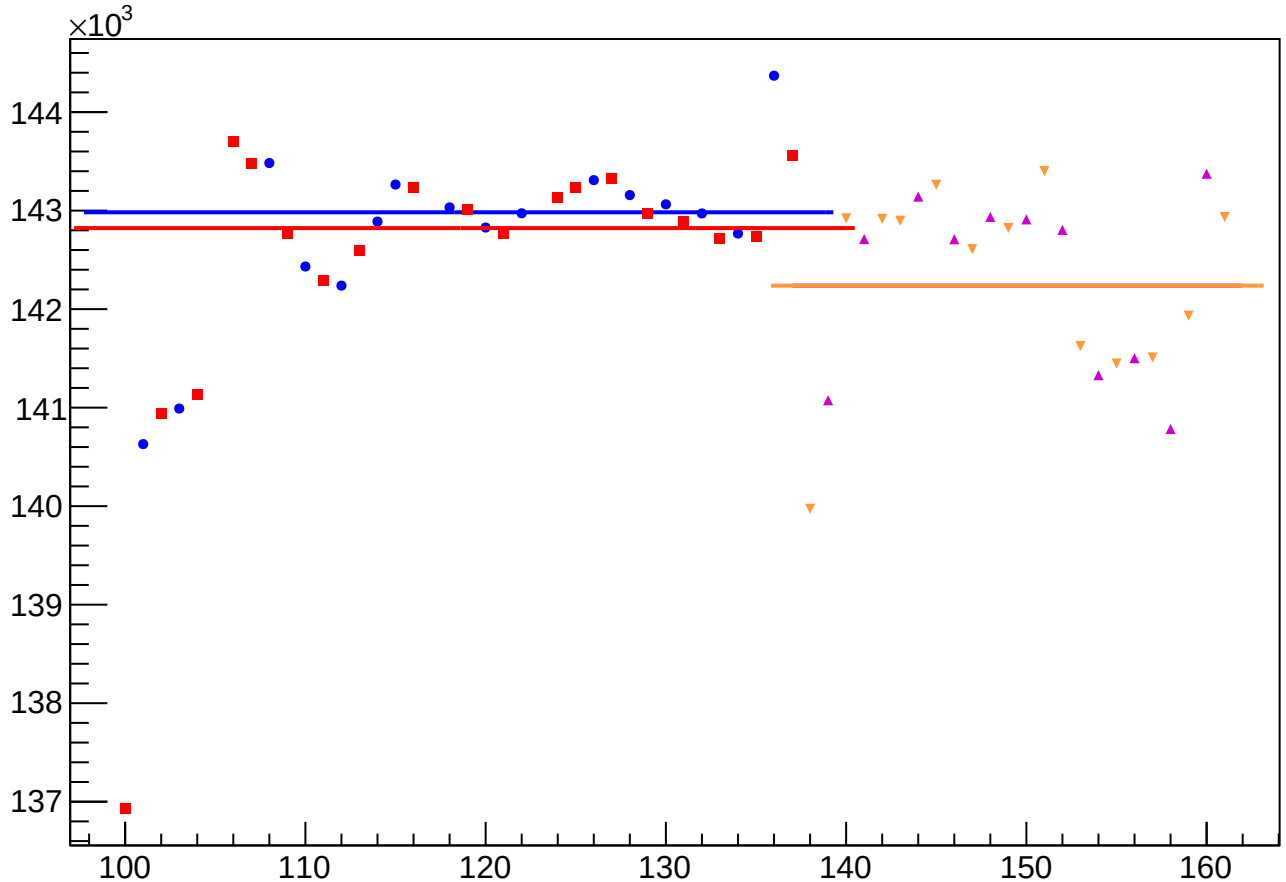
Left: 217.438+/-0.035 χ^2/NDF: 404761.3/23

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 192.870+/-0.035 χ^2/NDF:1675999.2/26

Out: 188.795+/-0.033 χ^2/NDF:2205874.5/31

All: 190.737+/-0.024 χ^2/NDF: 3889052.3/58



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142238.411+/-0.064 χ^2/NDF:247135762.0/12

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142238.471+/-0.066 χ^2/NDF:188314744.6/10

Left: 142238.440+/-0.046 χ^2/NDF: 435450507.0/23

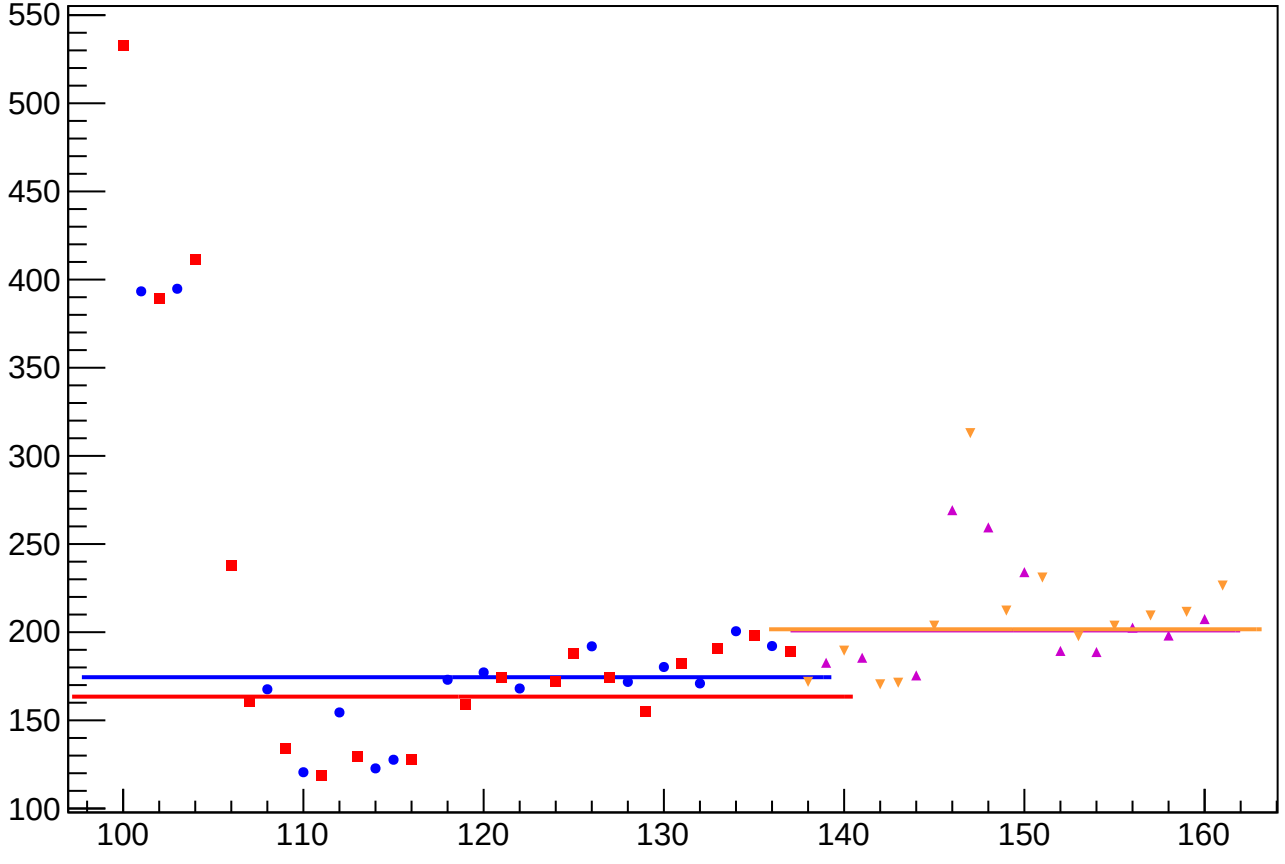
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142595.533+/-0.048 χ^2/NDF:356411158.5/26

Out: 142530.849+/-0.045 χ^2/NDF:352313124.8/31

All: 142561.414+/-0.033 χ^2/NDF: 70968775

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 201.651+/-0.045 χ^2/NDF:394143.4/12

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 201.001+/-0.047 χ^2/NDF:310988.2/10

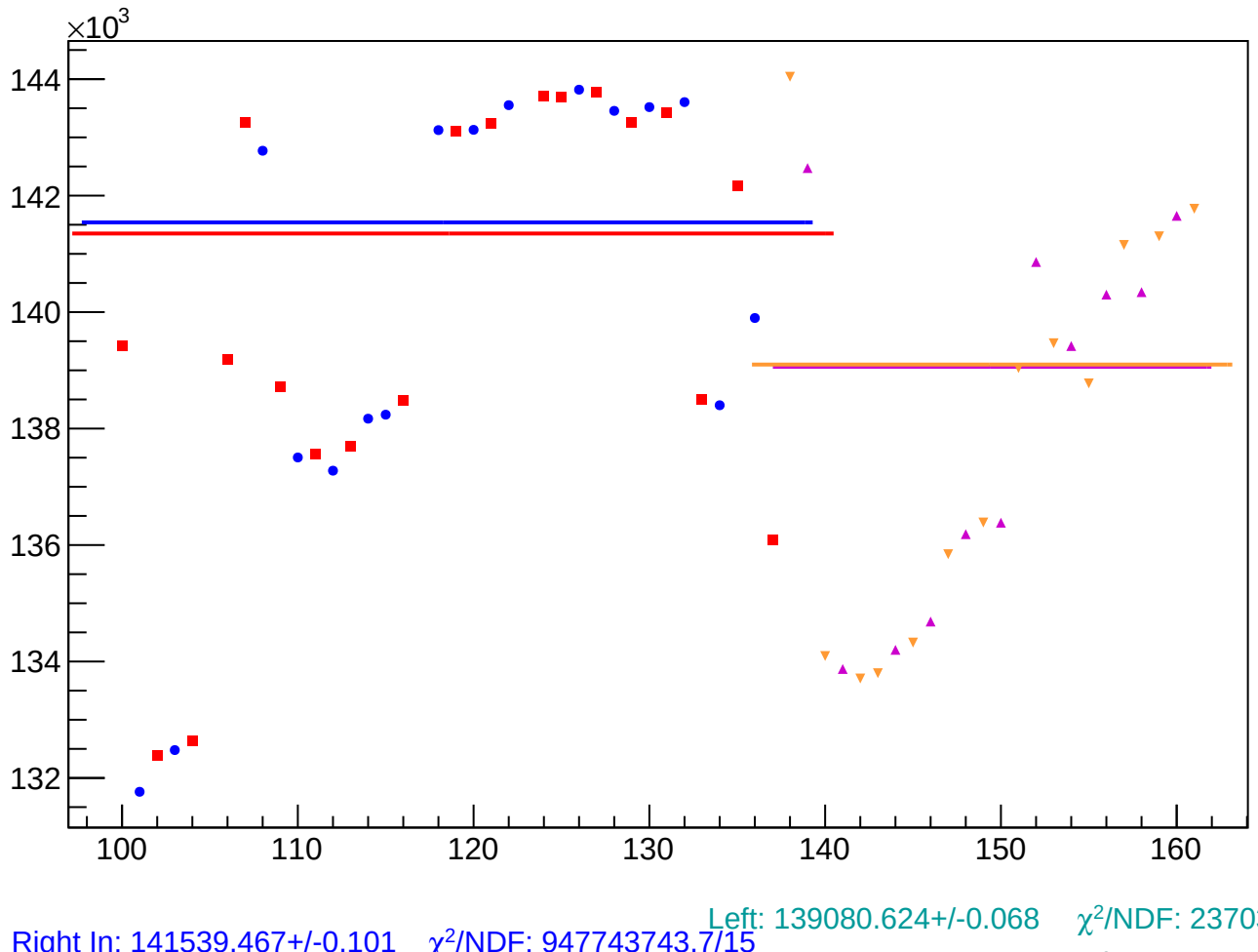
Left: 201.337+/-0.033 χ^2/NDF: 705230.8/23

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

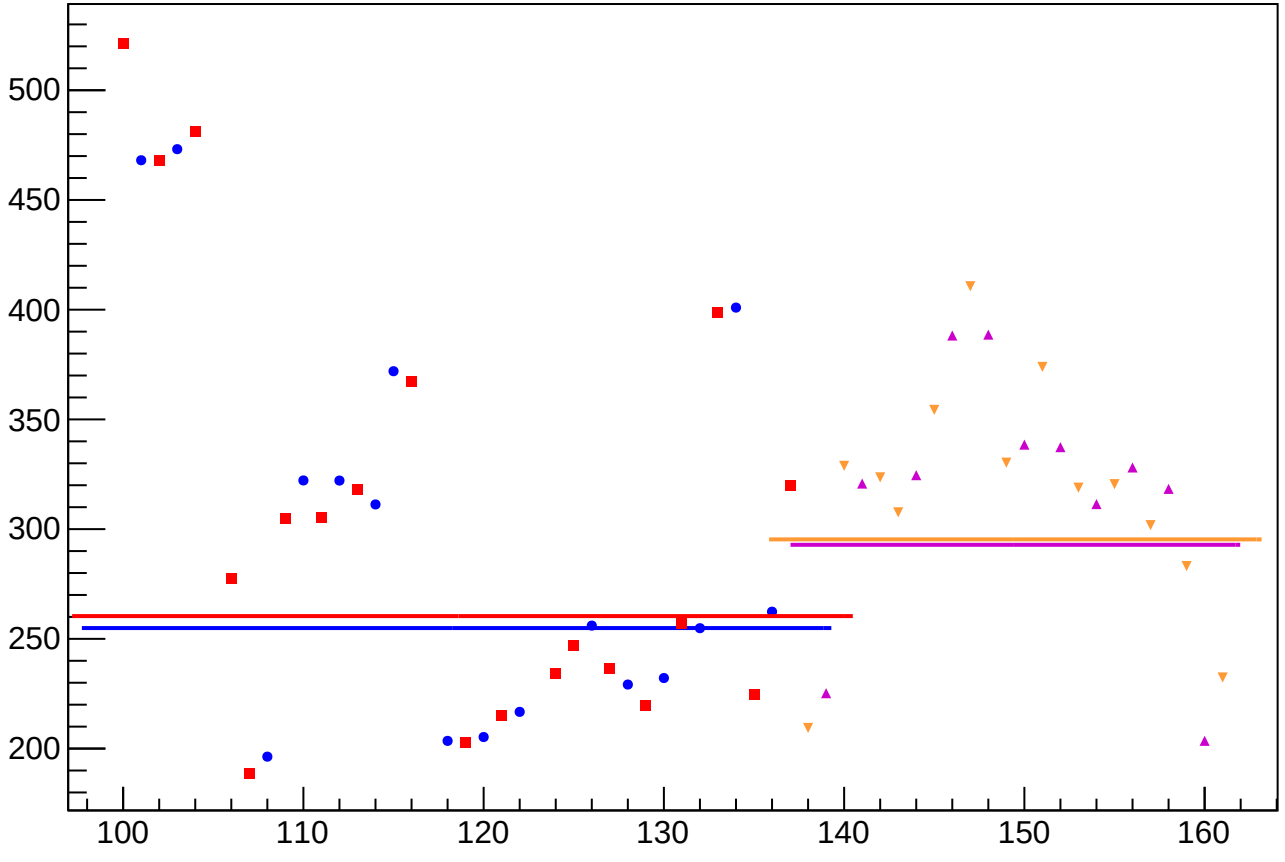
In: 188.276+/-0.034 χ^2/NDF:1513542.8/26

Out: 182.531+/-0.032 χ^2/NDF:2032245.6/31

All: 185.246+/-0.023 χ^2/NDF: 3560987.3/58


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139099.191+/-0.095 χ²/NDF:1382701379.3/12
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 139060.663+/-0.099 χ²/NDF:987595042.7/10
Left: 139080.624+/-0.068 χ²/NDF: 2370375589.1/2
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140272.087+/-0.070 χ²/NDF:2244465484.9/26
Out: 140155.596+/-0.069 χ²/NDF:2572448727.7/3
All: 140212.811+/-0.049 χ²/NDF: 48183044

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 295.327+/-0.067 χ^2/NDF:682517.7/12

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 292.860+/-0.070 χ^2/NDF:785738.6/10

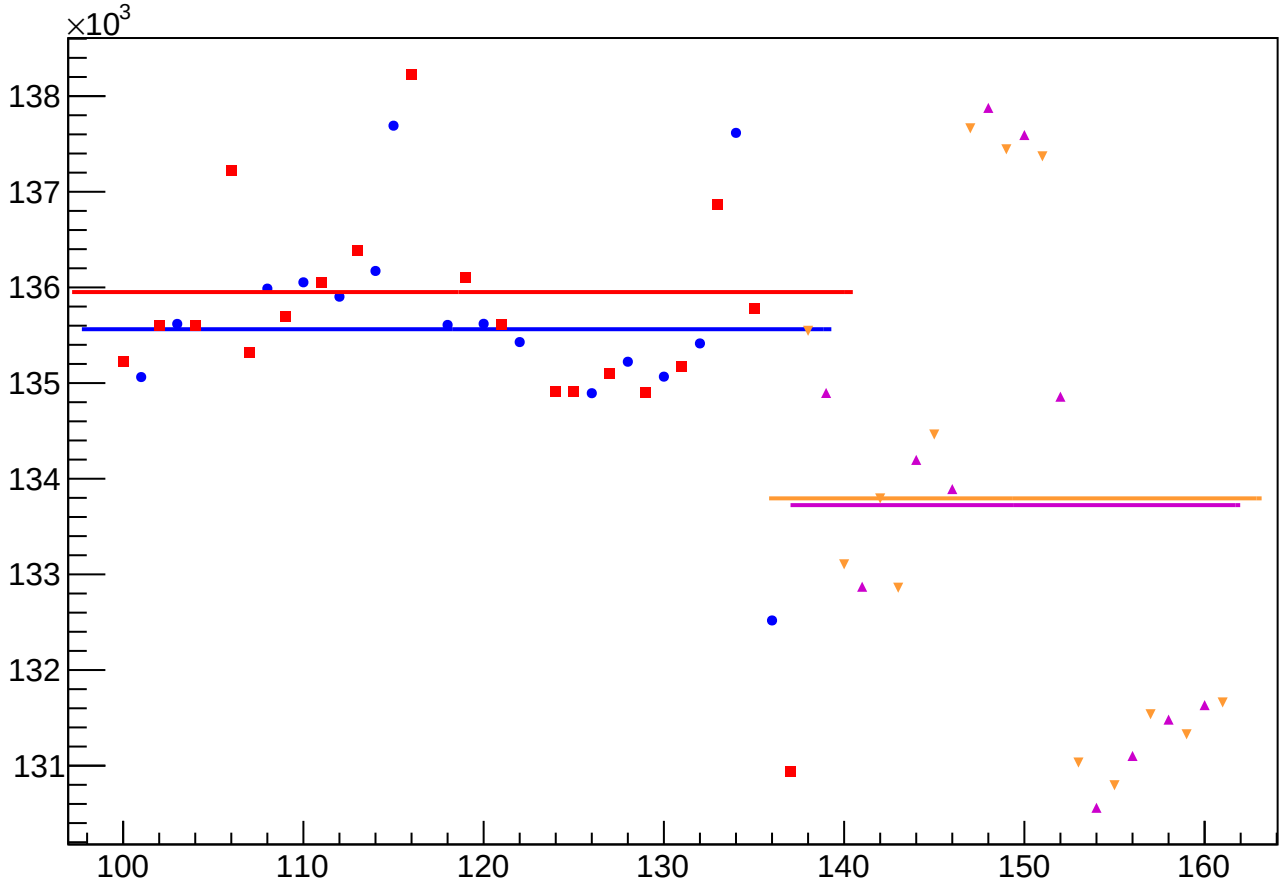
Left: 294.138+/-0.048 χ^2/NDF: 1468905.7/23

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

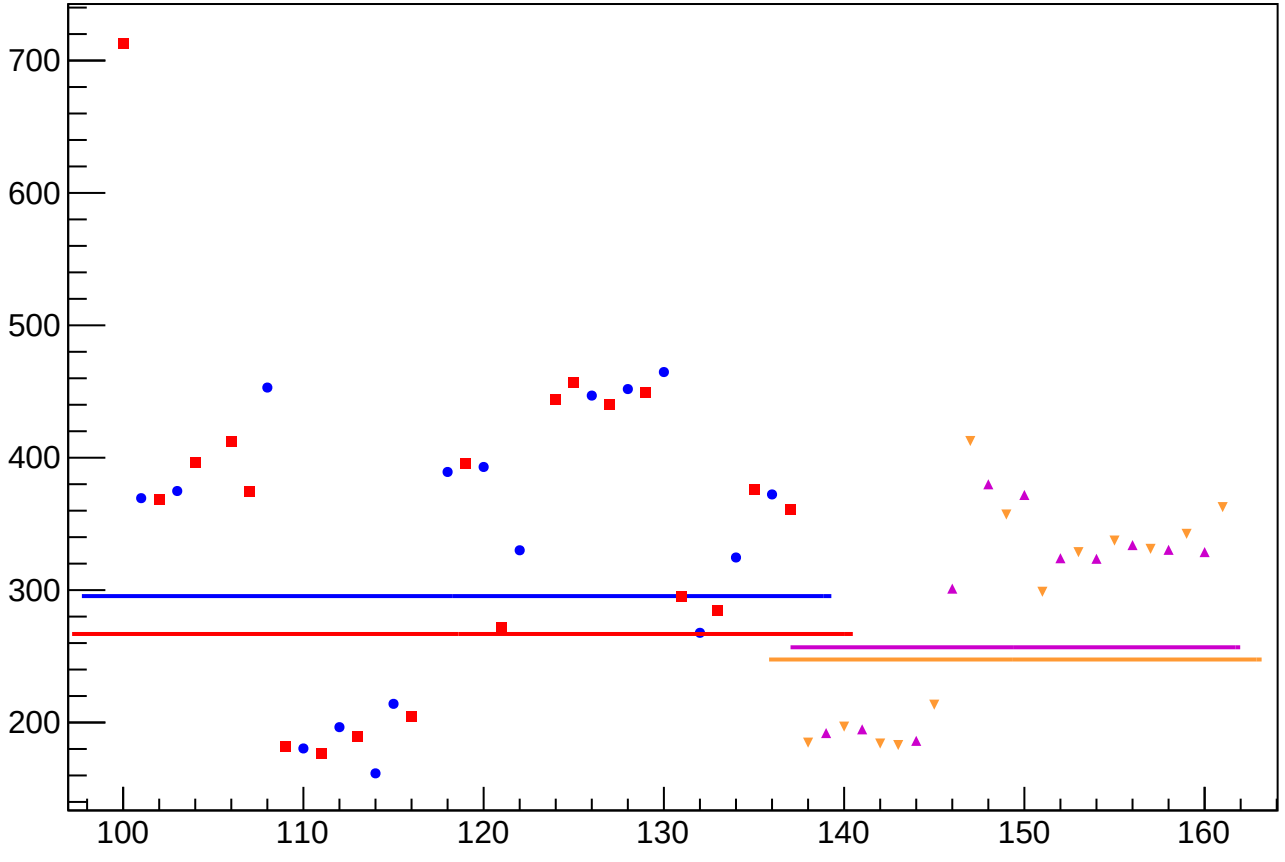
In: 274.318+/-0.050 χ^2/NDF:1880531.4/26

Out: 278.916+/-0.049 χ^2/NDF:1802802.4/31

All: 276.657+/-0.035 χ^2/NDF: 3687666.1/58


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
160
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 133794.735+/-0.082 χ²/NDF:608443206.3/12
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 133724.088+/-0.088 χ²/NDF:464798805.0/10
Left: 133761.872+/-0.060 χ²/NDF: 1073590298.2/2
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134374.446+/-0.070 χ²/NDF:715013930.8/26
Out: 134594.475+/-0.065 χ²/NDF:958768355.6/31
All: 134493.595+/-0.048 χ²/NDF: 16790743

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 247.581+/-0.058 χ^2/NDF:1686414.3/12

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 256.817+/-0.062 χ^2/NDF:1391004.6/10

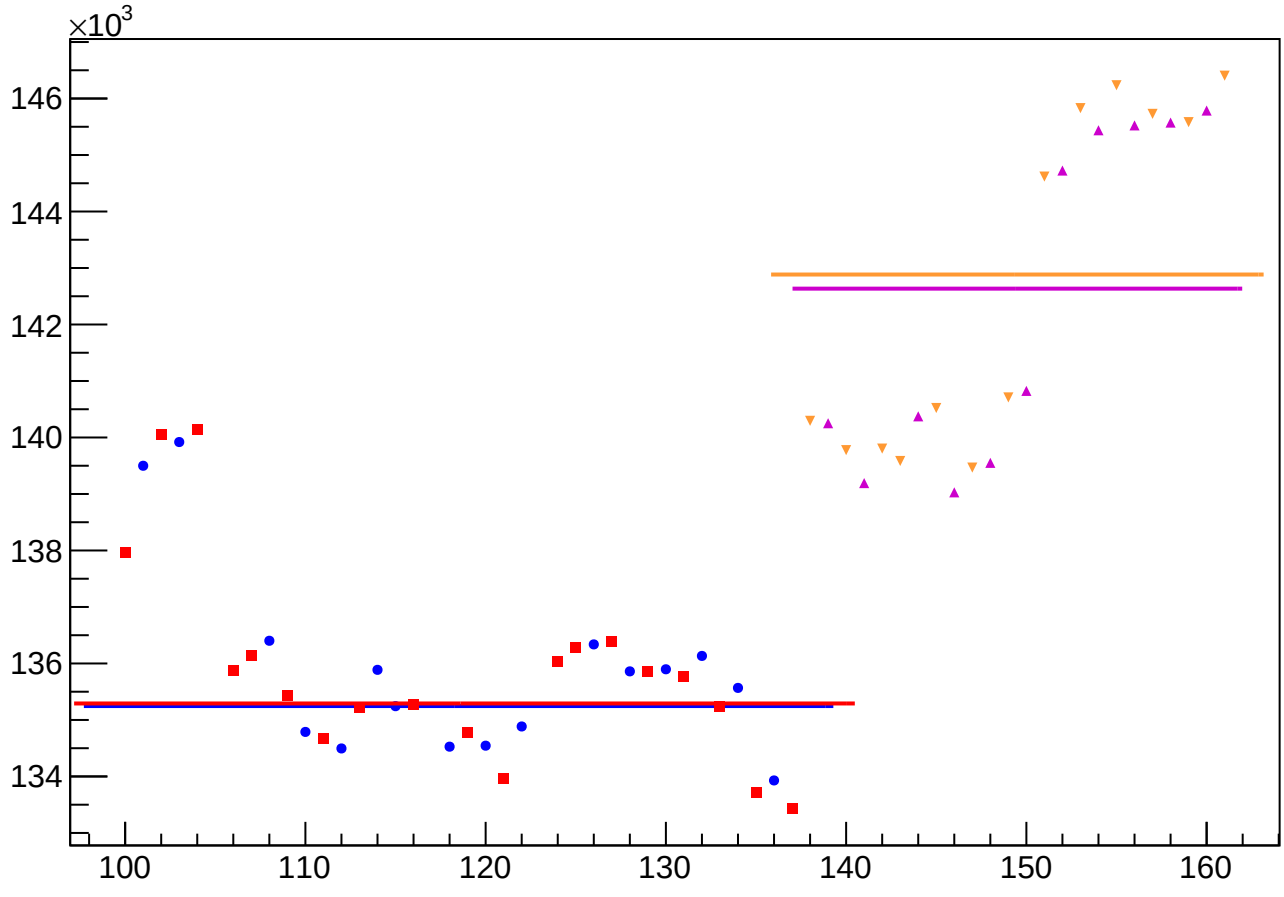
Left: 251.878+/-0.042 χ^2/NDF: 3089324.4/23

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 270.491+/-0.050 χ^2/NDF:2971494.4/26

Out: 254.731+/-0.046 χ^2/NDF:3405854.1/31

All: 261.957+/-0.034 χ^2/NDF: 6431647.2/58



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142884.555+/-0.060 χ^2/NDF:2311594431.1/12

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142634.671+/-0.064 χ^2/NDF:1906305726.9/10

Left: 142767.796+/-0.044 χ^2/NDF: 4226002948.8/2

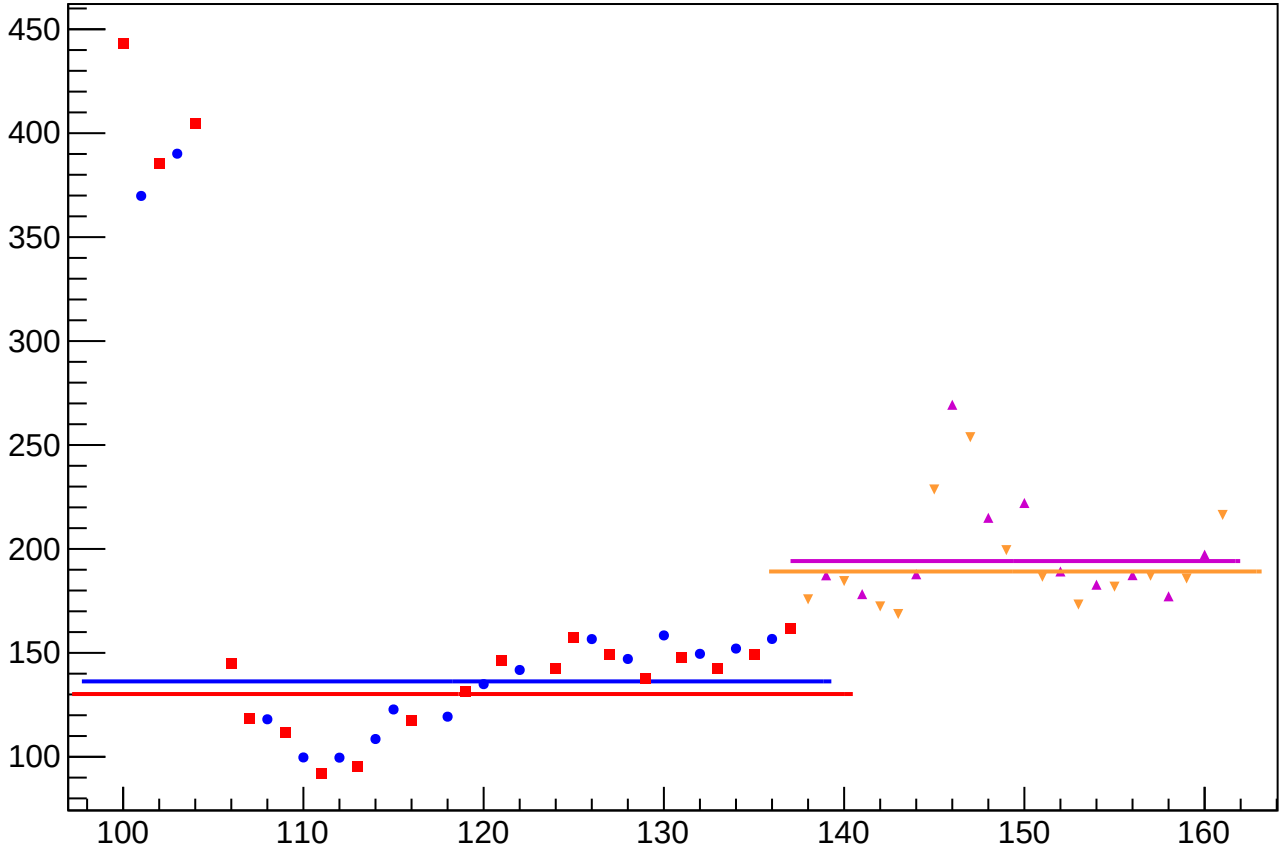
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138362.396+/-0.042 χ^2/NDF:9983248091.9/26

Out: 138530.311+/-0.039 χ^2/NDF:11874918506.1

All: 138451.383+/-0.029 χ^2/NDF: 21866796

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 189.158+/-0.042 χ^2/NDF:236149.2/12

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 194.168+/-0.045 χ^2/NDF:217729.4/10

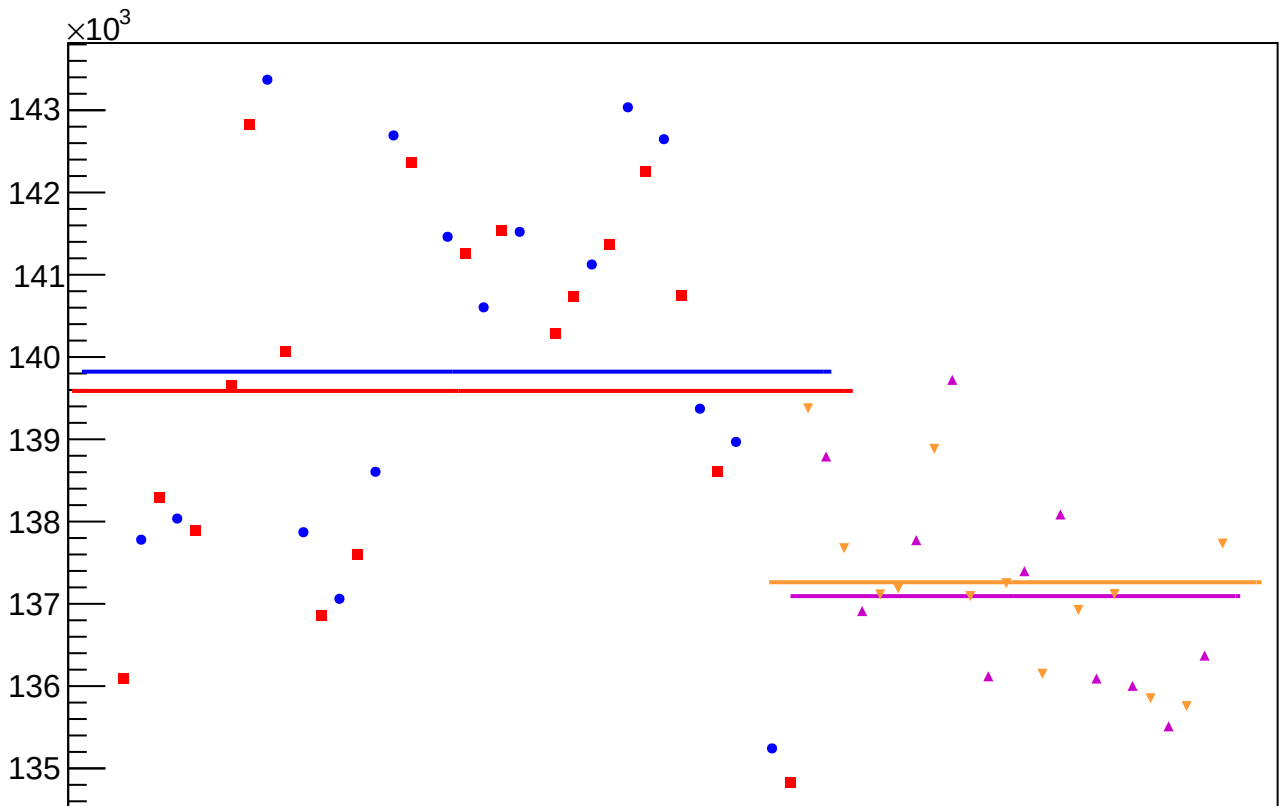
Left: 191.499+/-0.031 χ^2/NDF: 460394.3/23

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 160.698+/-0.029 χ^2/NDF:2545586.1/26

Out: 155.350+/-0.028 χ^2/NDF:2863990.6/31

All: 157.864+/-0.020 χ^2/NDF: 5427081.8/58



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137262.414+/-0.062 χ^2/NDF:282901995.5/12

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137093.757+/-0.065 χ^2/NDF:326929663.1/10

Left: 137182.338+/-0.045 χ^2/NDF: 613333711.3/23

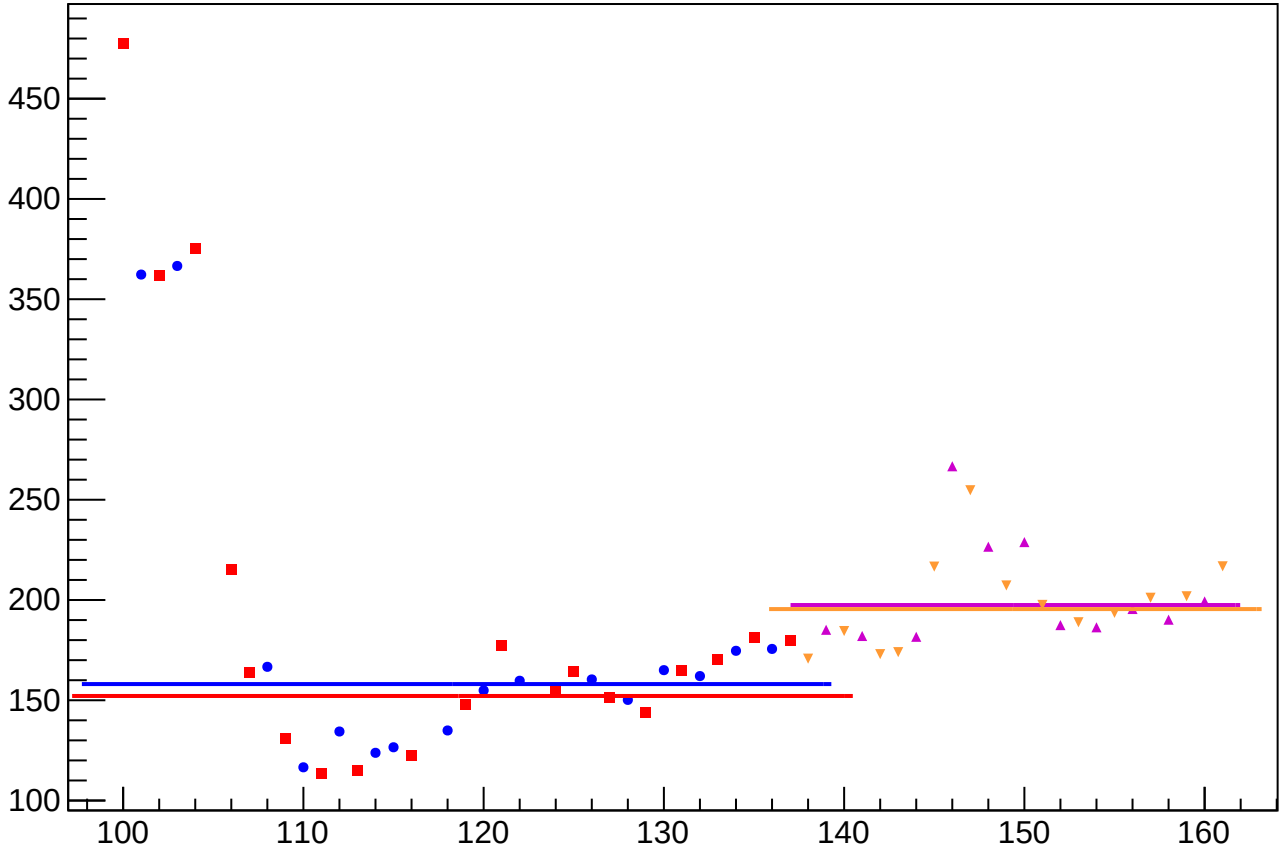
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138515.997+/-0.045 χ^2/NDF:2899916419.3/26

Out: 138470.439+/-0.043 χ^2/NDF:2494286808.8/3

All: 138492.112+/-0.031 χ^2/NDF: 539473605

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 195.474+/-0.044 χ^2/NDF:203553.0/12

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.499+/-0.046 χ^2/NDF:222157.2/10

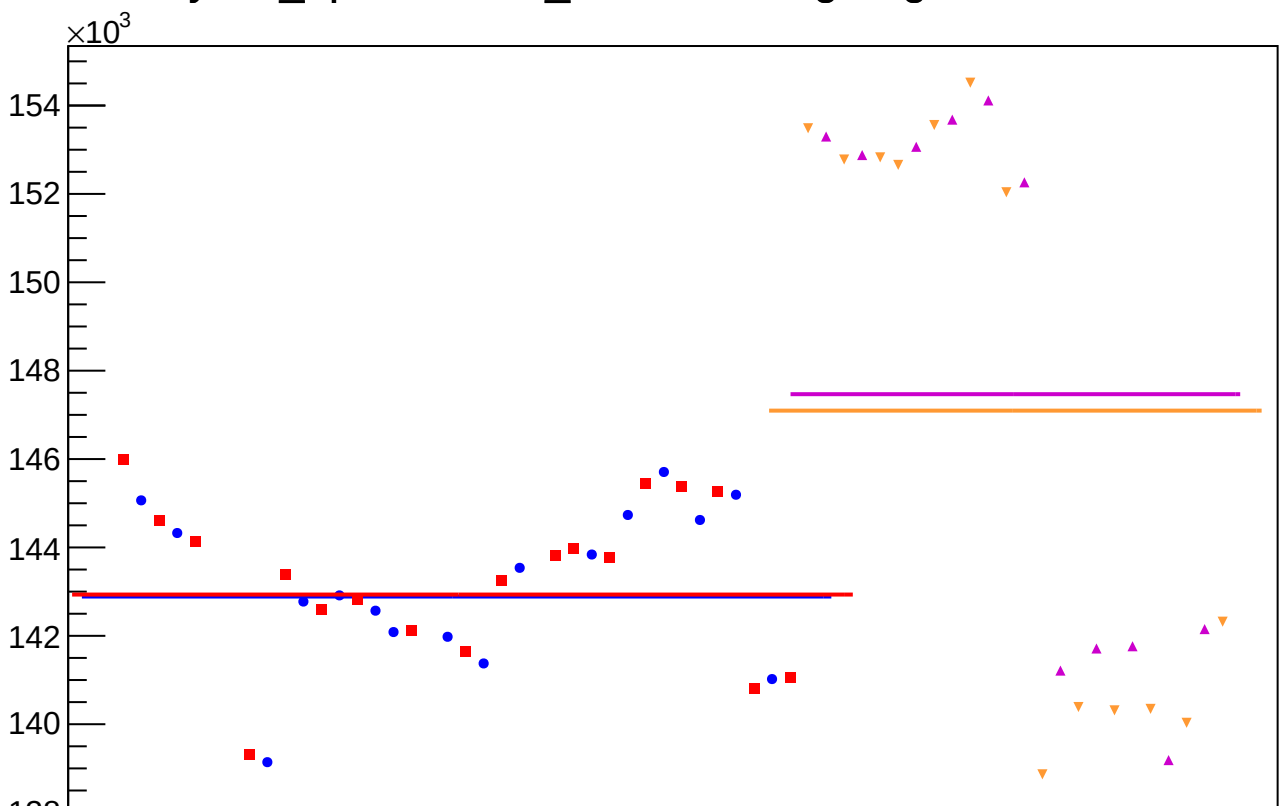
Left: 196.436+/-0.032 χ^2/NDF: 426719.8/23

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 176.950+/-0.032 χ^2/NDF:1619849.6/26

Out: 172.963+/-0.030 χ^2/NDF:1938549.0/31

All: 174.860+/-0.022 χ^2/NDF: 3566563.8/58



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 147096.140+/-0.063 χ^2/NDF:10357472935.5/12

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147468.165+/-0.066 χ^2/NDF:8377998156.0/10

Left: 147273.182+/-0.046 χ^2/NDF: 18752091826.8

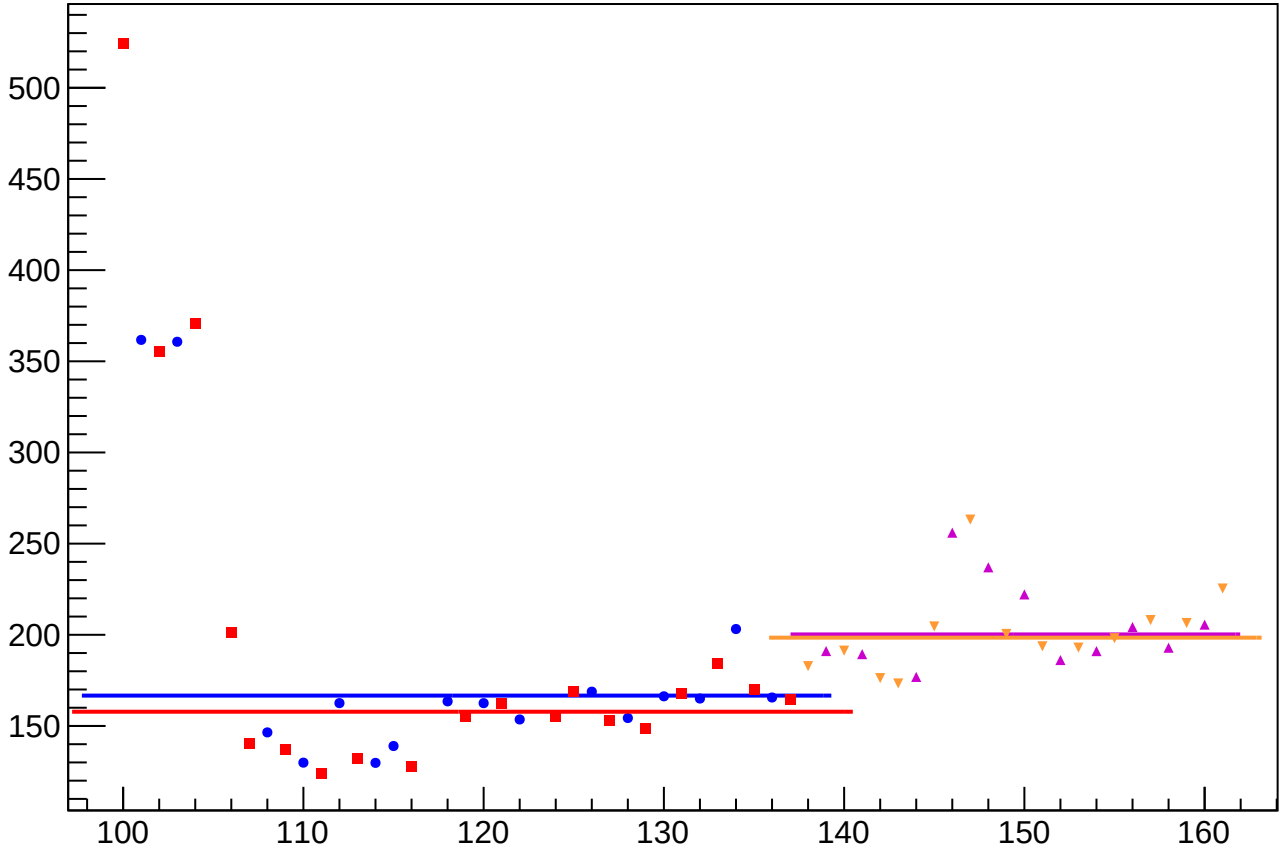
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145165.622+/-0.047 χ^2/NDF:11556972267.9/2

Out: 144967.757+/-0.044 χ^2/NDF:13380394820.8

All: 145061.069+/-0.032 χ^2/NDF: 24946901

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 198.431+/-0.045 χ^2/NDF:191191.7/12

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.207+/-0.047 χ^2/NDF:196450.0/10

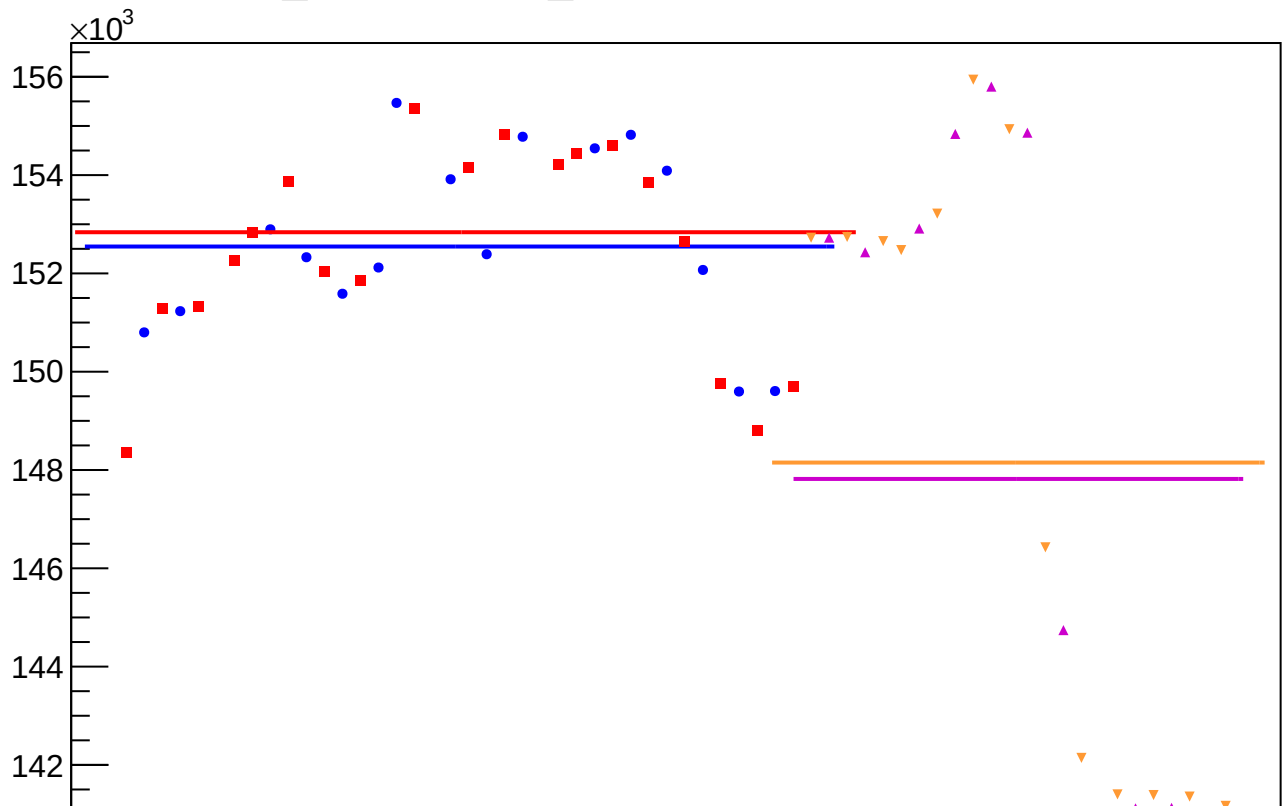
Left: 199.276+/-0.032 χ^2/NDF: 388399.7/23

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 183.336+/-0.033 χ^2/NDF:1319431.1/26

Out: 177.659+/-0.031 χ^2/NDF:1639395.1/31

All: 180.336+/-0.023 χ^2/NDF: 2974523.2/58



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148151.531+/-0.063 χ^2/NDF:8145234778.8/12

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

Left: 147992.887+/-0.045 χ^2/NDF: 16551150215.6

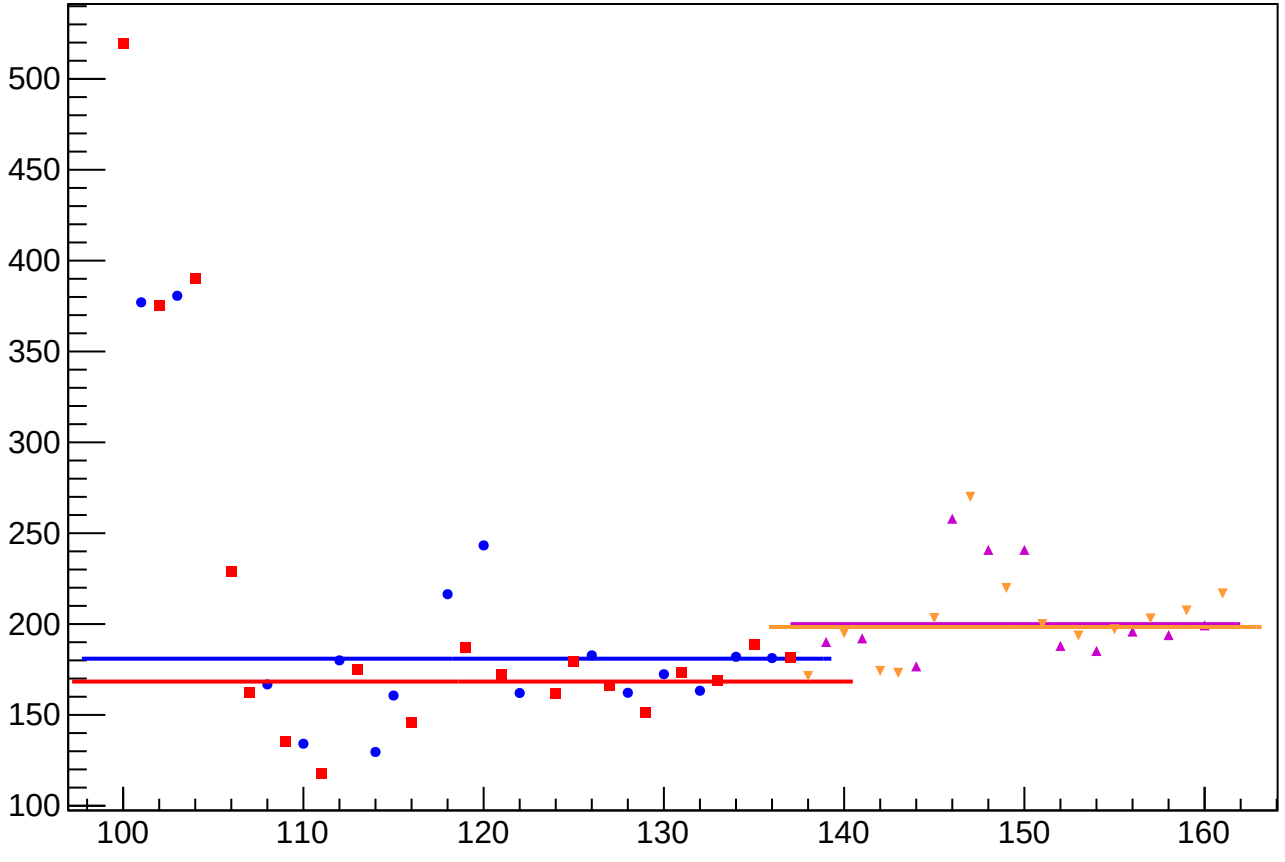
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149951.365+/-0.049 χ^2/NDF:11374651720.7/2

Out: 150352.526+/-0.046 χ^2/NDF:11503307606.5

All: 150165.049+/-0.033 χ^2/NDF: 22913996

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 198.374+/-0.044 χ^2/NDF:236935.0/12

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

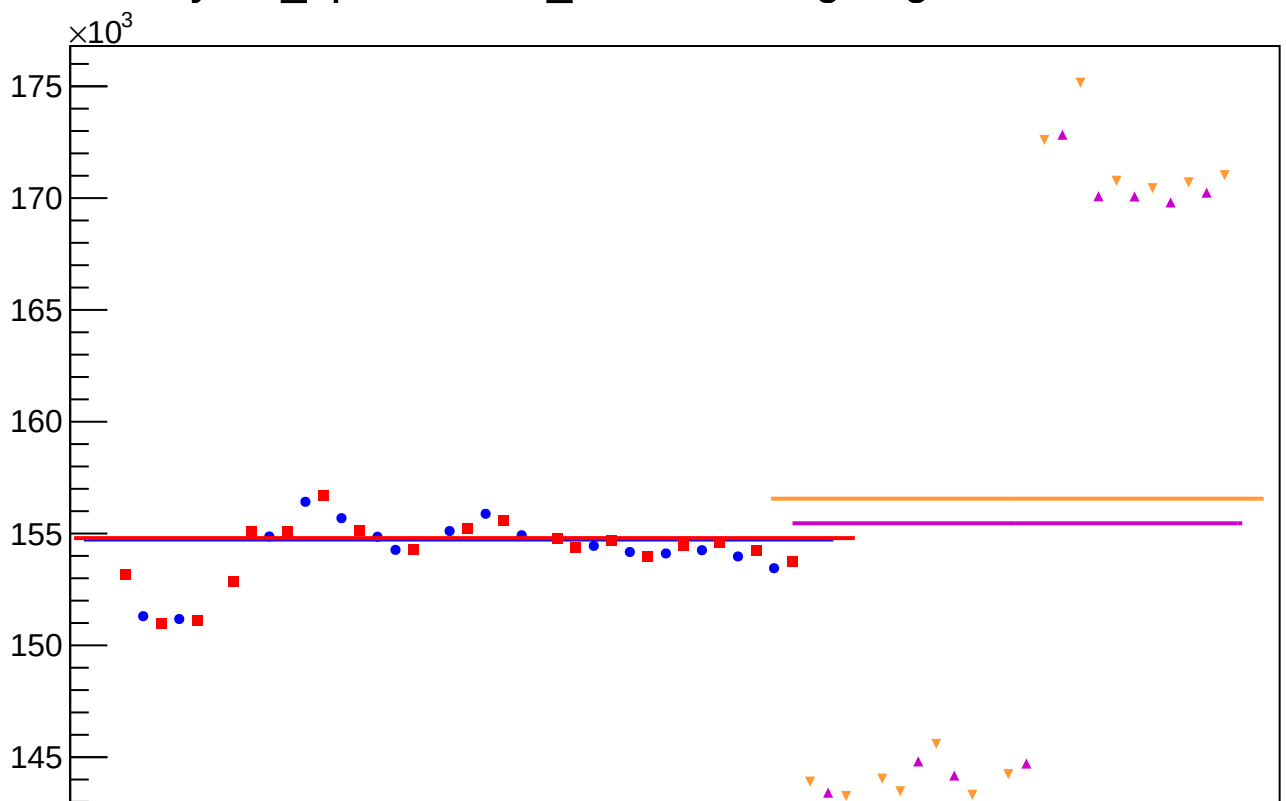
Left: 199.128+/-0.032 χ^2/NDF: 481843.8/23

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.378+/-0.034 χ^2/NDF:1227374.1/26

Out: 184.272+/-0.032 χ^2/NDF:1541207.5/31

All: 187.593+/-0.024 χ^2/NDF: 2791196.2/58



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 156558.841+/-0.058 χ^2/NDF:58569735517.3/12

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 155458.682+/-0.061 χ^2/NDF:49075776752.1/10

Left: 156035.762+/-0.042 χ^2/NDF: 107817529133.

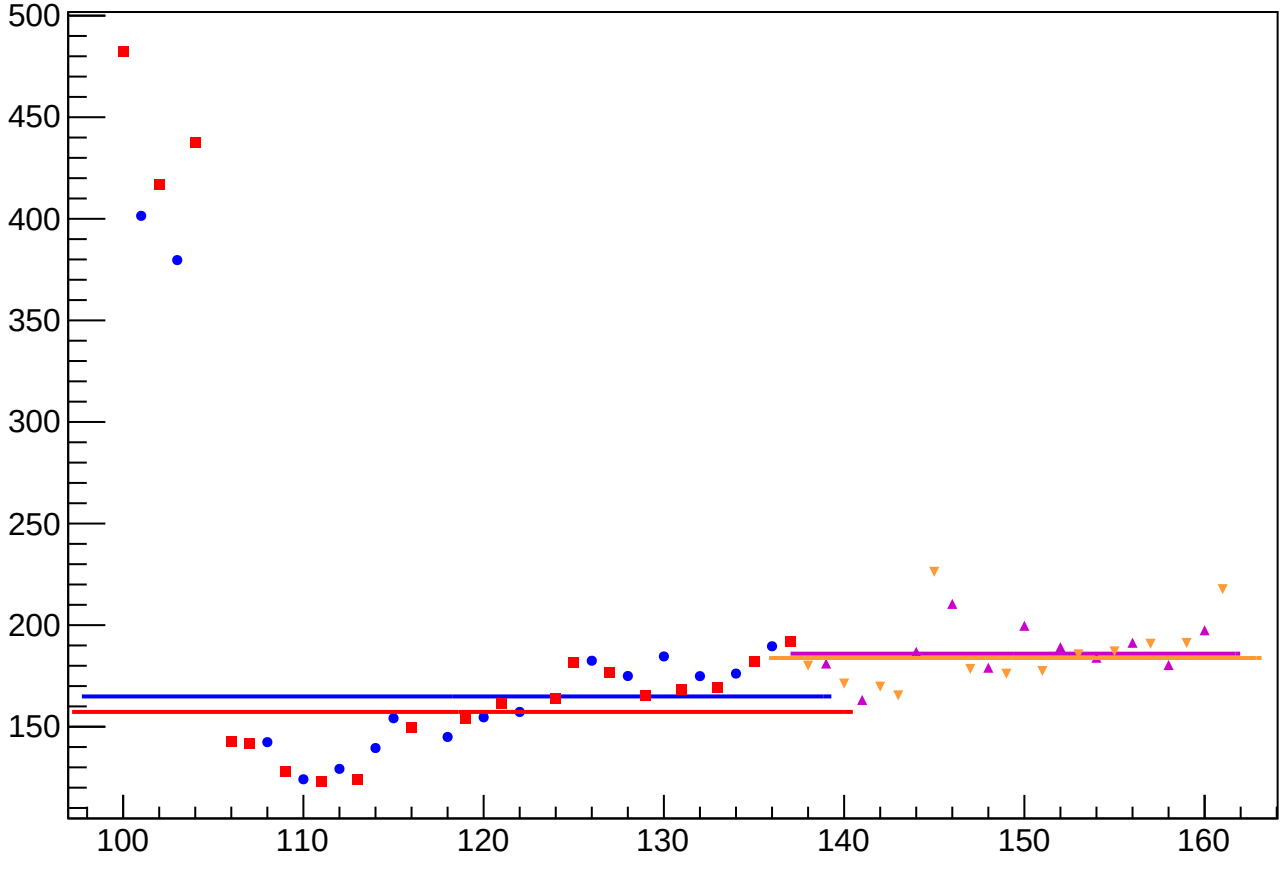
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 155121.483+/-0.044 χ^2/NDF:49416524982.2/2

Out: 155725.151+/-0.042 χ^2/NDF:59313191797.2

All: 155440.436+/-0.031 χ^2/NDF: 10882718

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 183.812+/-0.041 χ^2/NDF:143330.1/12

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.964+/-0.043 χ^2/NDF:79116.1/10

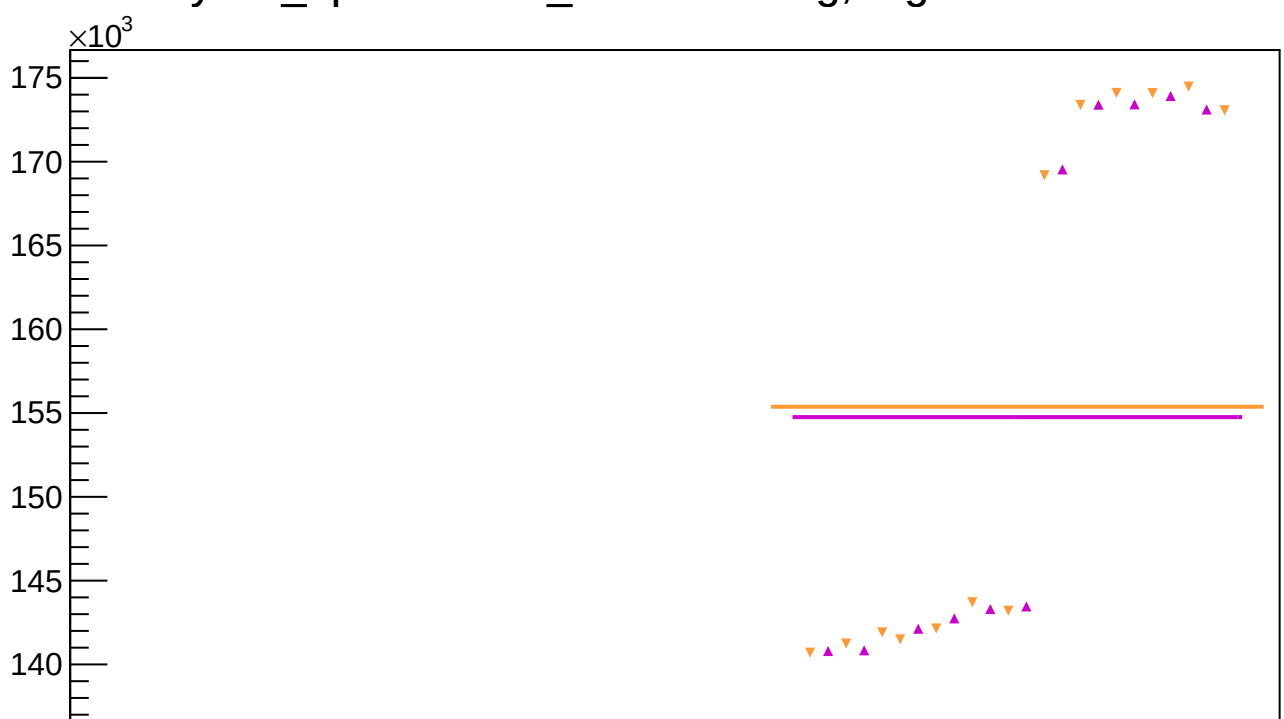
Left: 184.835+/-0.030 χ^2/NDF: 223761.5/23

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 176.177+/-0.031 χ^2/NDF:1263519.0/26

Out: 171.267+/-0.030 χ^2/NDF:1597137.1/31

All: 173.583+/-0.022 χ^2/NDF: 2873552.9/58



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 155376.963+/-0.058 χ^2/NDF:69865444897.4/12

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 154758.053+/-0.061 χ^2/NDF:60757886394.4/10

Left: 155083.925+/-0.042 χ^2/NDF: 130677180557.

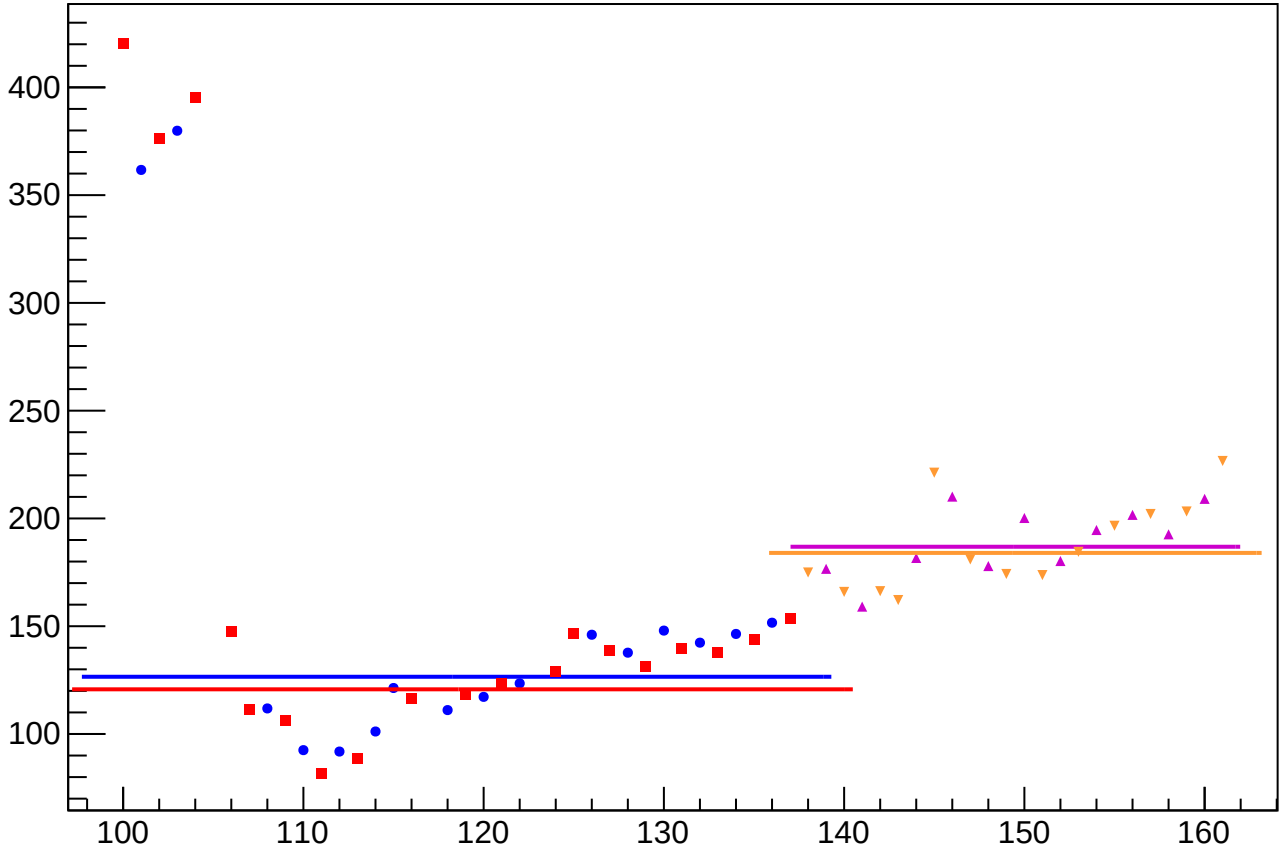
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 142636.453+/-0.039 χ^2/NDF:128188904462.0

Out: 142793.914+/-0.037 χ^2/NDF:150207189854.

All: 142719.576+/-0.027 χ^2/NDF: 27840465

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 184.013+/-0.041 χ^2/NDF:211771.6/12

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 186.872+/-0.043 χ^2/NDF:127560.9/10

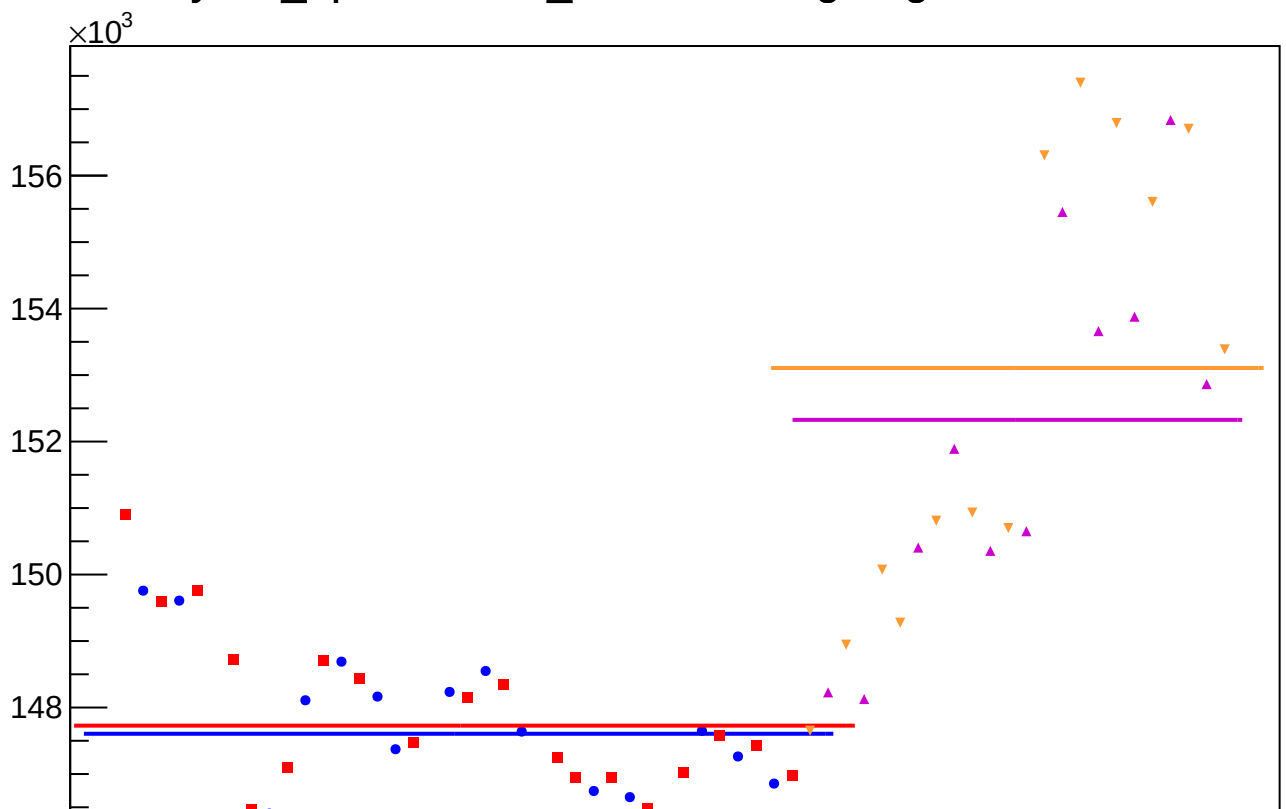
Left: 185.367+/-0.030 χ^2/NDF: 341630.1/23

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 151.173+/-0.028 χ^2/NDF:2754885.2/26

Out: 146.416+/-0.026 χ^2/NDF:3257537.5/31

All: 148.661+/-0.019 χ^2/NDF: 6028052.0/58



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153107.153+/-0.064 χ^2/NDF:2908068477.1/12

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152326.556+/-0.068 χ^2/NDF:1708498939.9/10

Left: 152735.788+/-0.047 χ^2/NDF: 4686551431.4/2

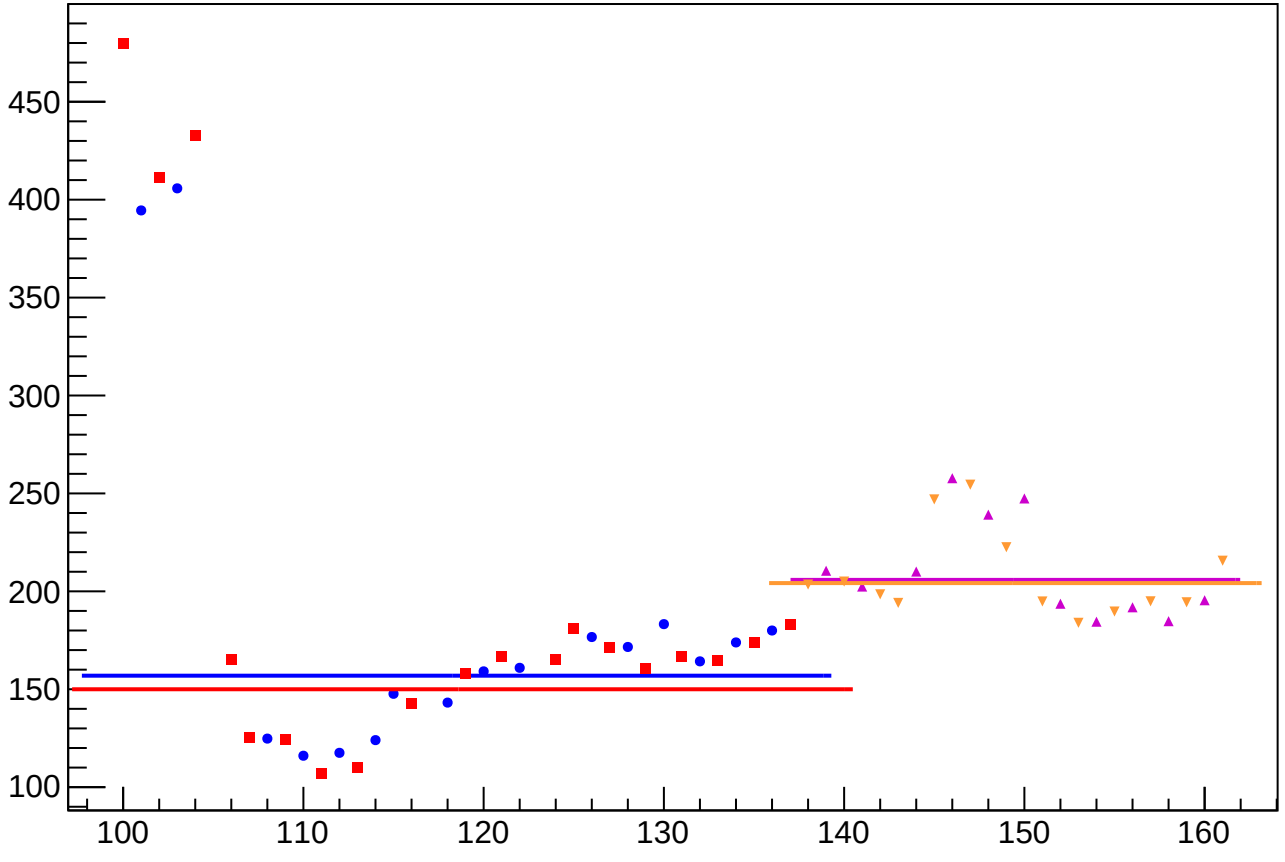
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149781.667+/-0.046 χ^2/NDF:4541103734.2/26

Out: 150181.022+/-0.043 χ^2/NDF:6903111601.6/3

All: 149992.089+/-0.032 χ^2/NDF: 11484155

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.211+/-0.046 χ^2/NDF:173978.6/12

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 205.848+/-0.048 χ^2/NDF:221399.0/10

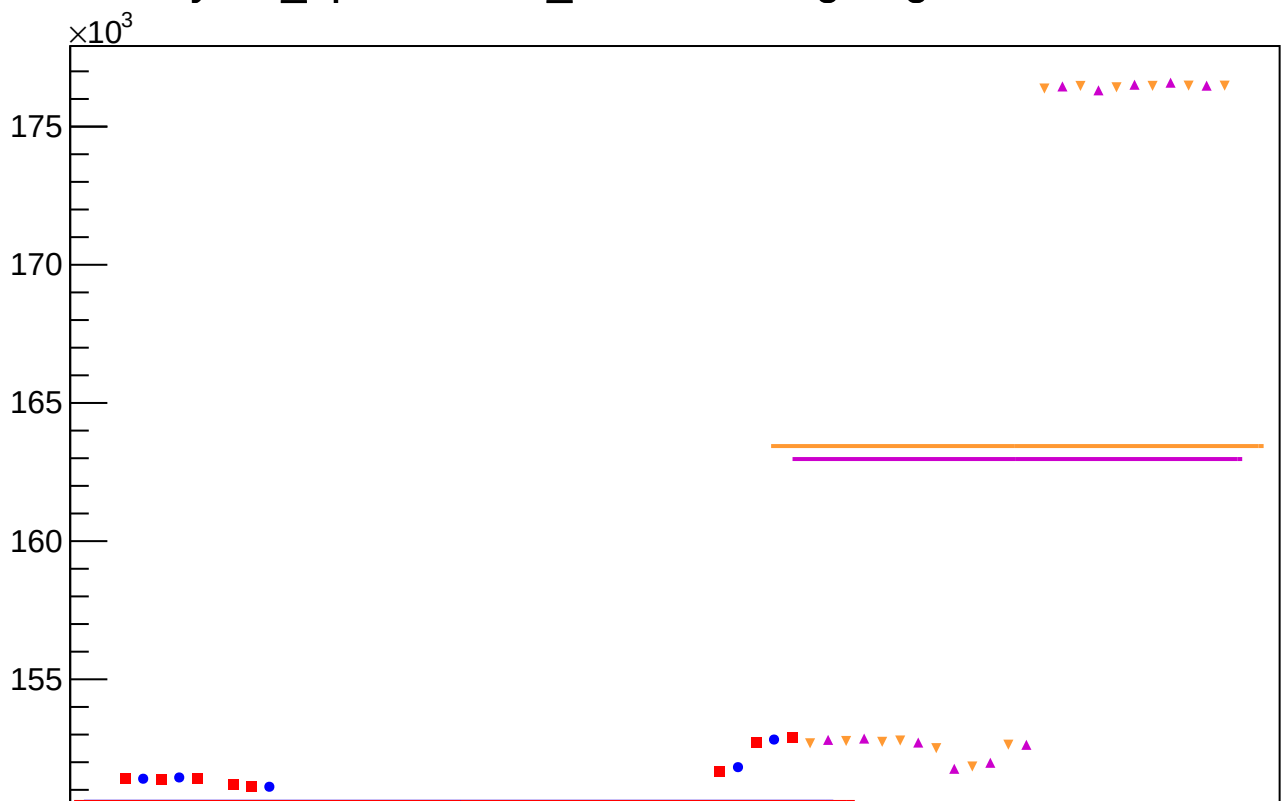
Left: 204.990+/-0.033 χ^2/NDF: 395993.6/23

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 179.477+/-0.032 χ^2/NDF:2052445.3/26

Out: 174.720+/-0.031 χ^2/NDF:2399897.6/31

All: 176.970+/-0.022 χ^2/NDF: 4463673.9/58



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 163440.126+/-0.057 χ^2/NDF:44214809147.6/12

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

Left: 163218.089+/-0.041 χ^2/NDF: 83883620101.3/

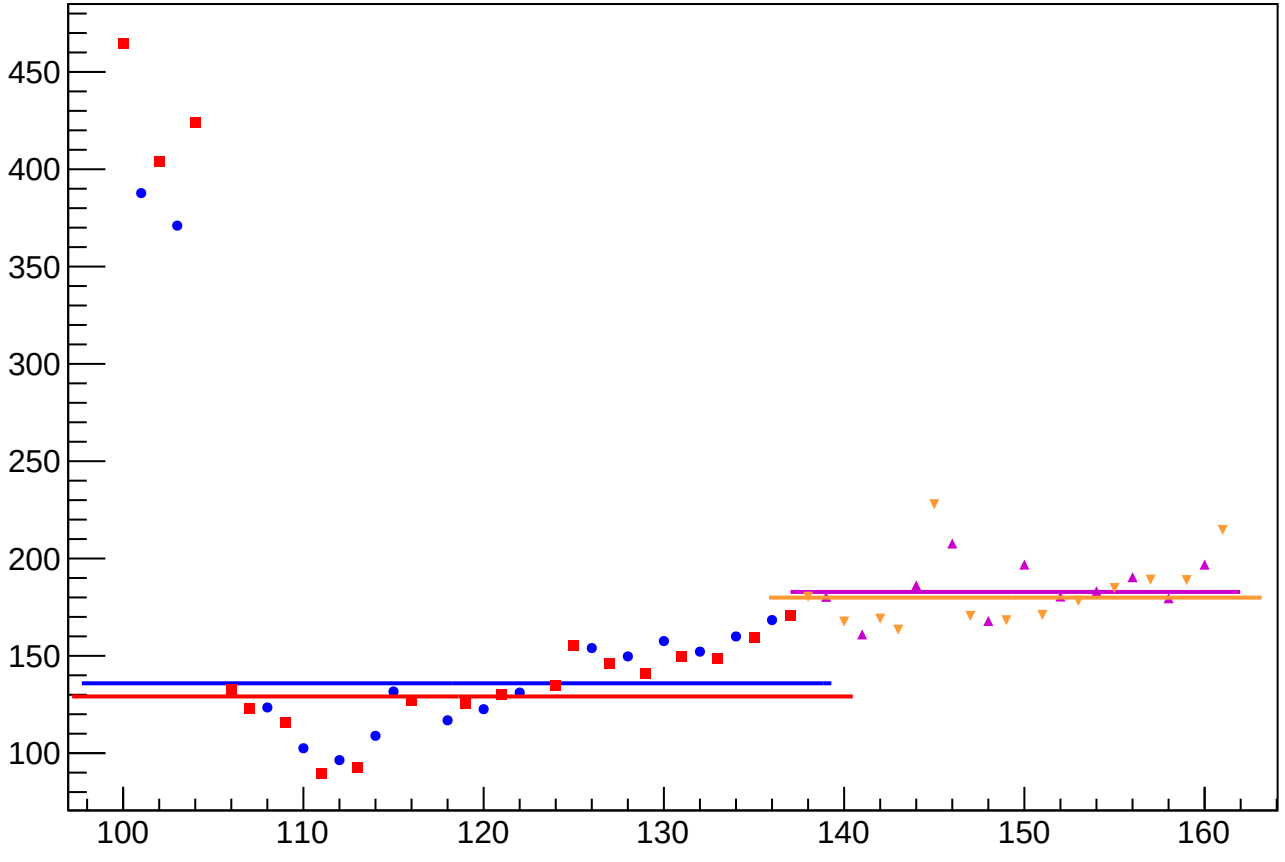
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 156211.145+/-0.040 χ^2/NDF:63337446104.5/2

Out: 156330.702+/-0.038 χ^2/NDF:72997315893.3

All: 156274.647+/-0.028 χ^2/NDF: 13633943

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 179.916+/-0.040 χ^2/NDF:169356.3/12

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

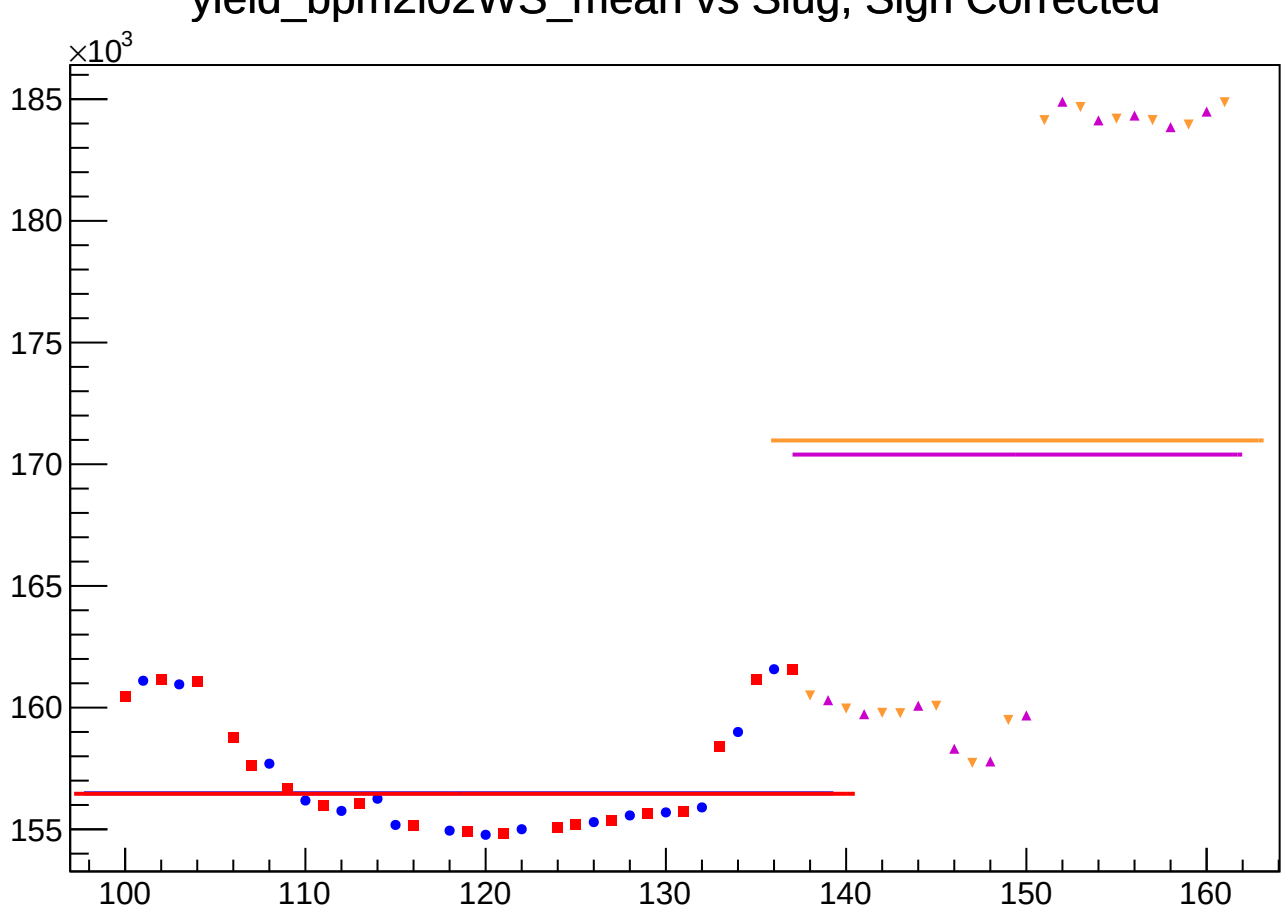
Left: 181.293+/-0.029 χ^2/NDF: 263764.9/23

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

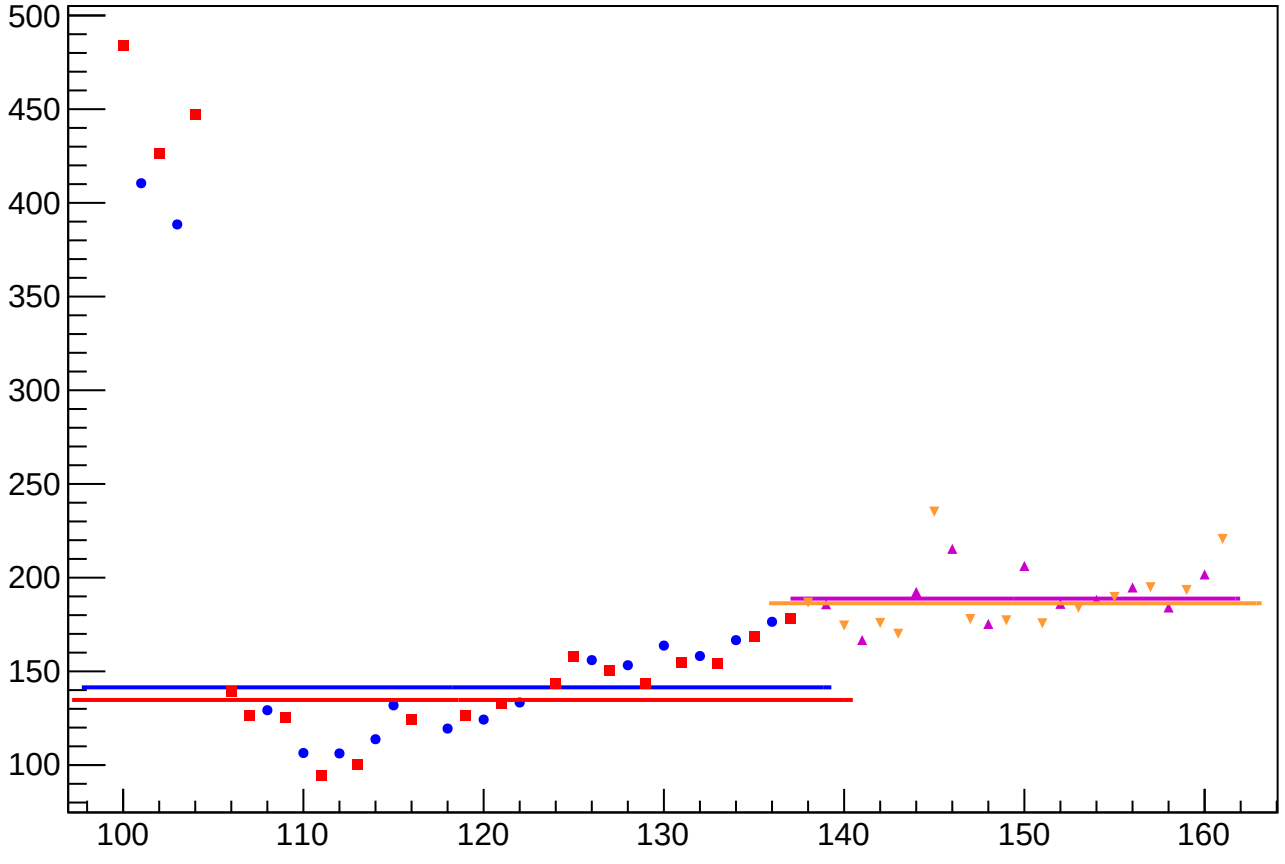
In: 157.249+/-0.029 χ^2/NDF:2180304.0/26

Out: 151.880+/-0.027 χ^2/NDF:2672707.8/31

All: 154.398+/-0.020 χ^2/NDF: 4871849.4/58


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 170978.411+/-0.059 χ²/NDF:44486354691.1/12
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 170396.902+/-0.062 χ²/NDF:40583024591.1/10
Left: 170702.794+/-0.042 χ²/NDF: 85116059758.0
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 162861.433+/-0.042 χ²/NDF:69396771709.5/2
Out: 163010.502+/-0.039 χ²/NDF:79278459745.7
All: 162940.456+/-0.029 χ²/NDF: 14868197

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 186.334+/-0.041 χ^2/NDF:154866.5/12

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 188.822+/-0.044 χ^2/NDF:90584.5/10

Left: 187.513+/-0.030 χ^2/NDF: 247159.5/23

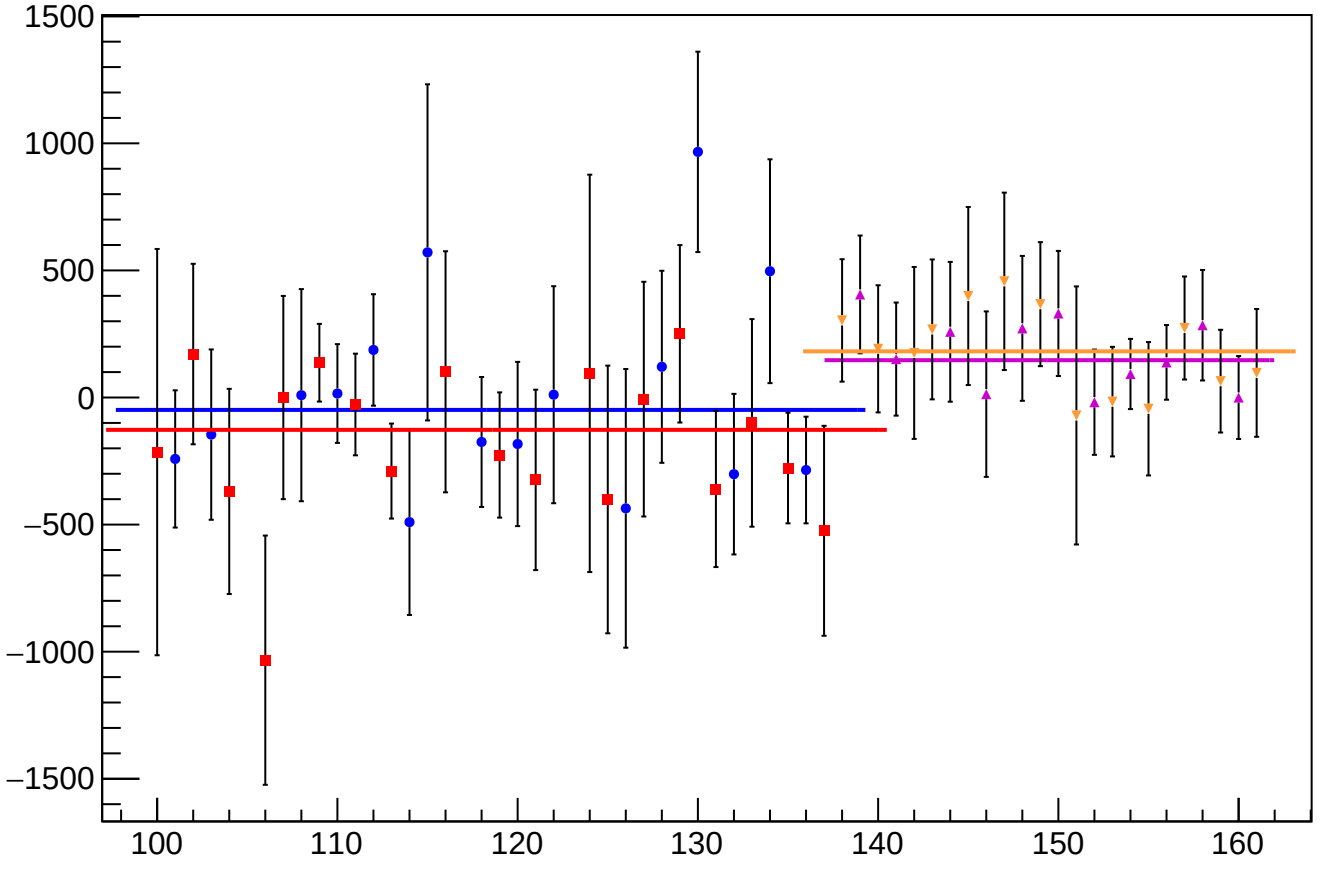
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 163.186+/-0.030 χ^2/NDF:2119640.8/26

Out: 158.020+/-0.028 χ^2/NDF:2584736.9/31

All: 160.448+/-0.020 χ^2/NDF: 4720563.7/58

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 181.621+/-71.993 χ^2/NDF:4.4/12

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 146.804+/-60.735 χ^2/NDF:4.3/10

Left: 161.280+/-46.422 χ^2/NDF: 8.9/23

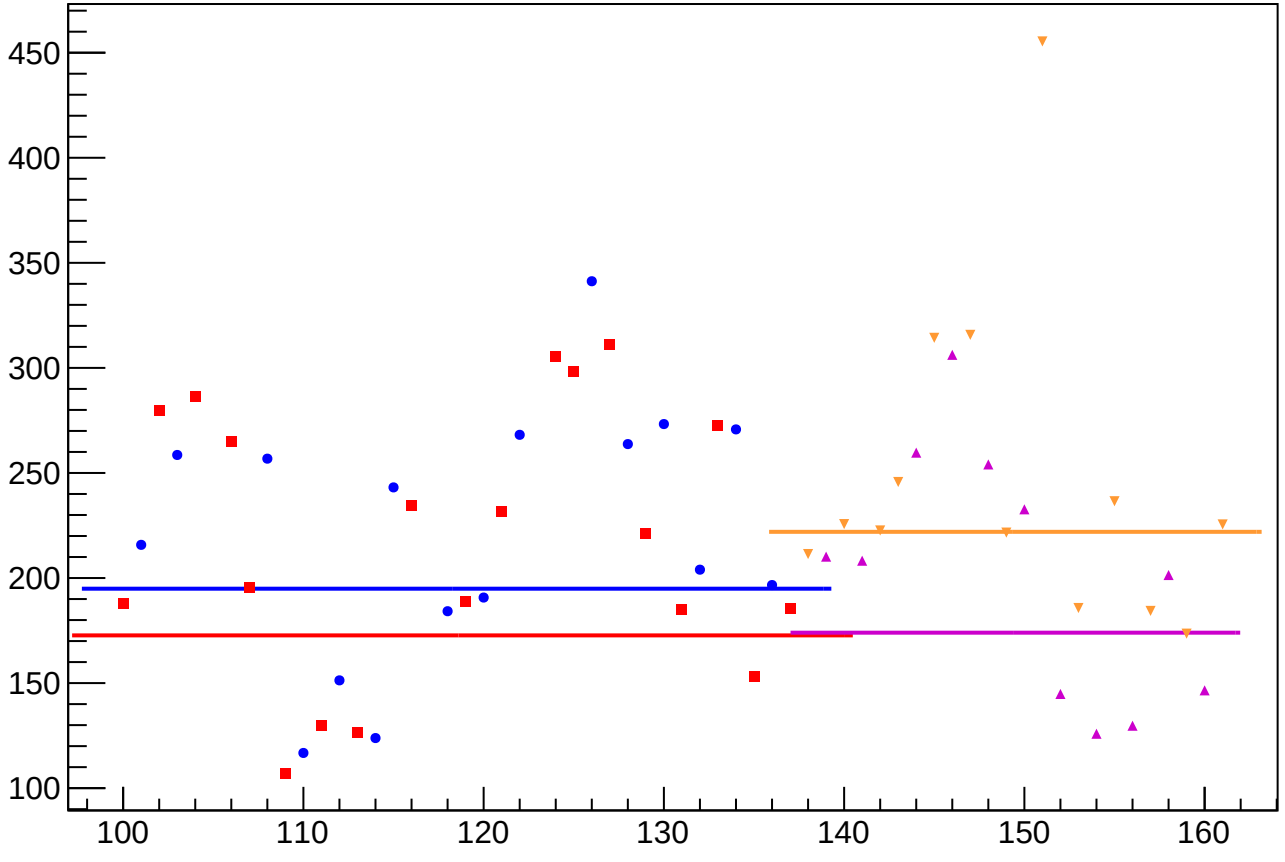
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.310+/-47.589 χ^2/NDF:23.8/26

Out: 19.526+/-49.628 χ^2/NDF:26.9/31

All: 46.504+/-34.349 χ^2/NDF: 51.3/58

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.988+/-0.051 χ^2/NDF:972237.4/12

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

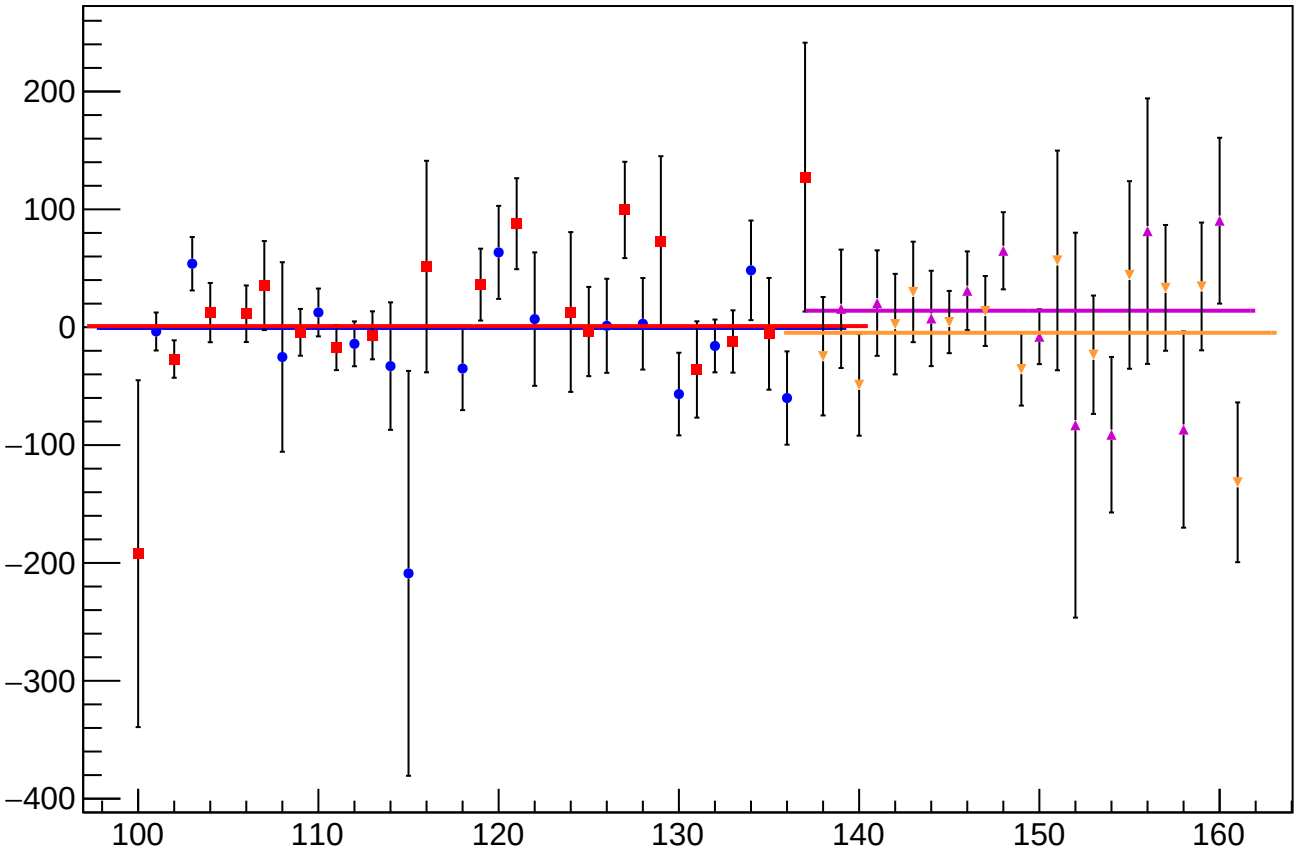
Left: 193.947+/-0.033 χ^2/NDF: 2935777.9/23

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.072+/-0.034 χ^2/NDF:2564810.0/26

Out: 196.124+/-0.035 χ^2/NDF:3095469.4/31

All: 188.803+/-0.024 χ^2/NDF: 5743812.4/58



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.709+/-11.764 χ^2/NDF:8.9/12

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 14.017+/-13.043 χ^2/NDF:9.5/10

Left: 3.691+/-8.736 χ^2/NDF: 19.5/23

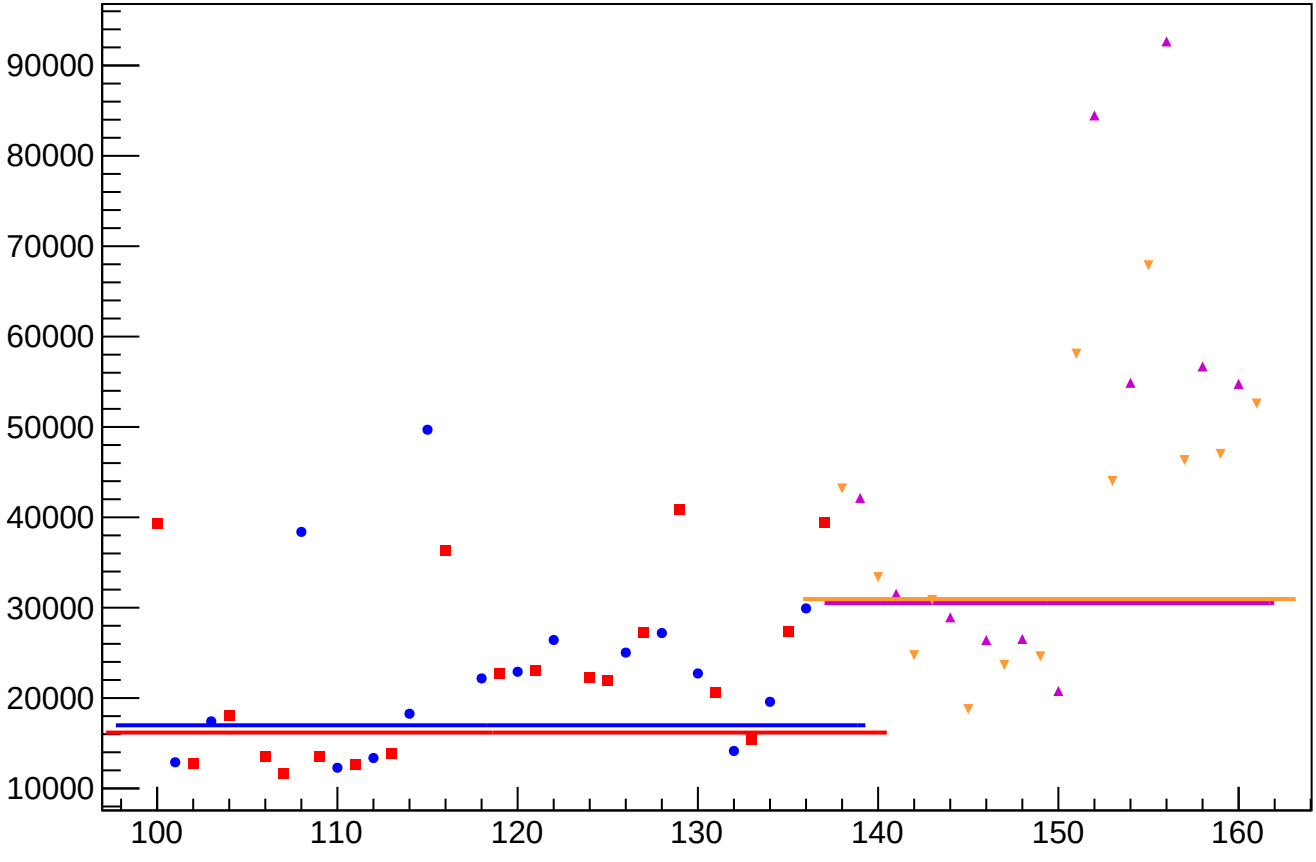
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.898+/-6.397 χ^2/NDF:29.4/26

Out: -0.466+/-5.866 χ^2/NDF:32.1/31

All: 1.070+/-4.323 χ^2/NDF: 61.6/58

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 30955.925+/-8.319 χ^2/NDF:2078385.3/12

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 30512.471+/-9.223 χ^2/NDF:2056833.8/10

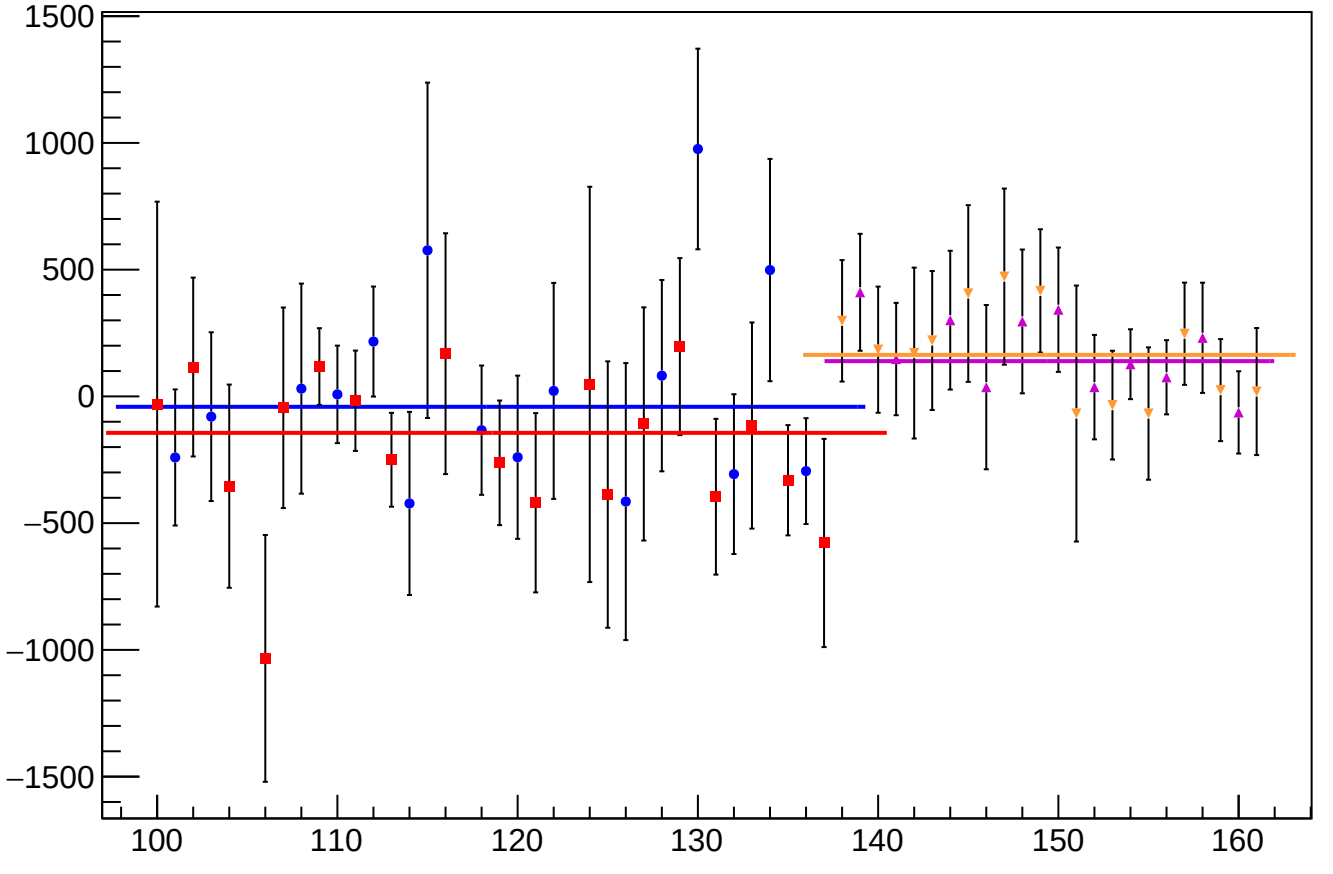
Left: 30756.999+/-6.177 χ^2/NDF: 4136493.9/23

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 20239.711+/-4.523 χ^2/NDF:4884363.8/26

Out: 19854.849+/-4.148 χ^2/NDF:5699858.6/31

All: 20030.644+/-3.057 χ^2/NDF: 10588154.9



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 163.859+/-71.690 χ^2/NDF:5.5/12

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 139.173+/-60.518 χ^2/NDF:5.0/10

Left: 149.445+/-46.244 χ^2/NDF: 10.6/23

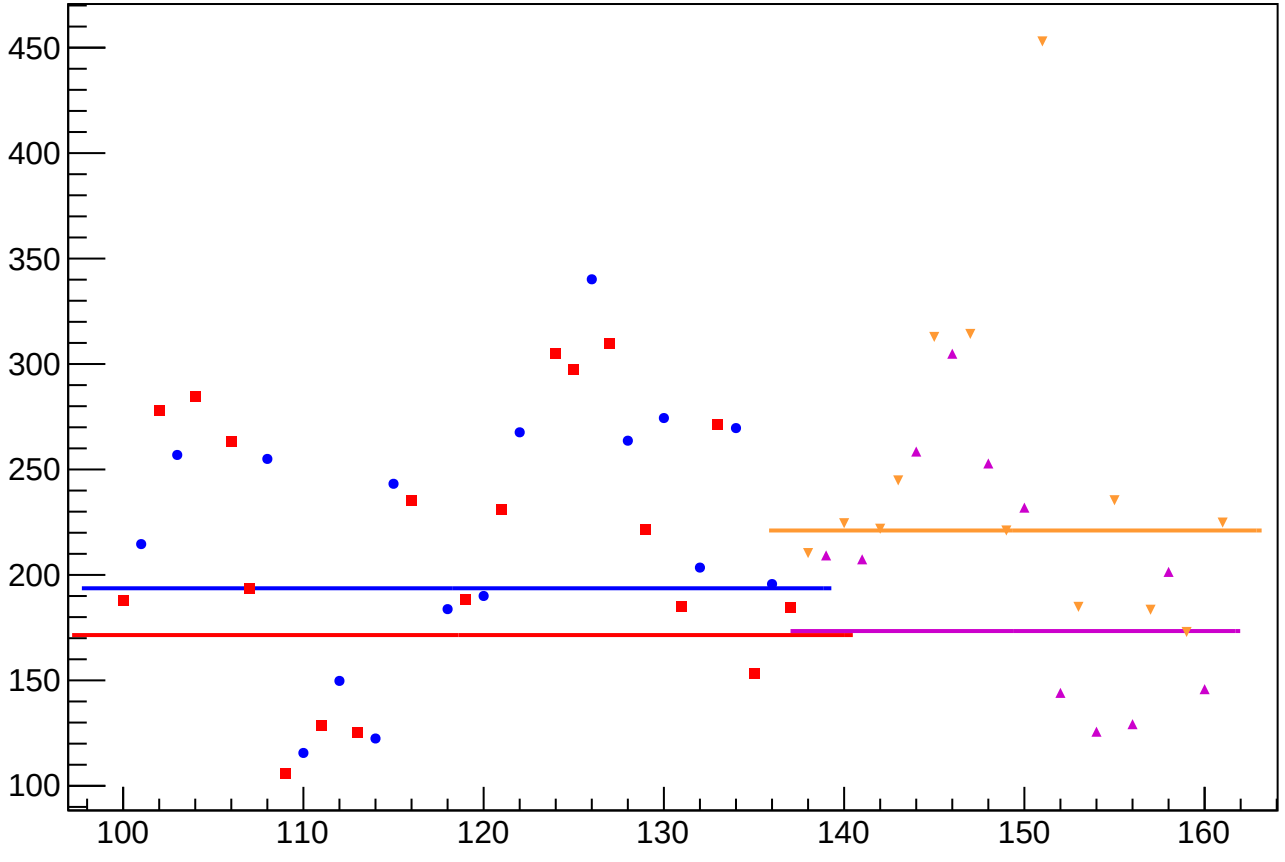
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 69.418+/-47.380 χ^2/NDF:23.9/26

Out: 2.078+/-49.367 χ^2/NDF:28.2/31

All: 37.130+/-34.183 χ^2/NDF: 53.1/58

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 221.070+/-0.051 χ^2/NDF:970885.7/12

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 173.390+/-0.043 χ^2/NDF:1441813.9/10

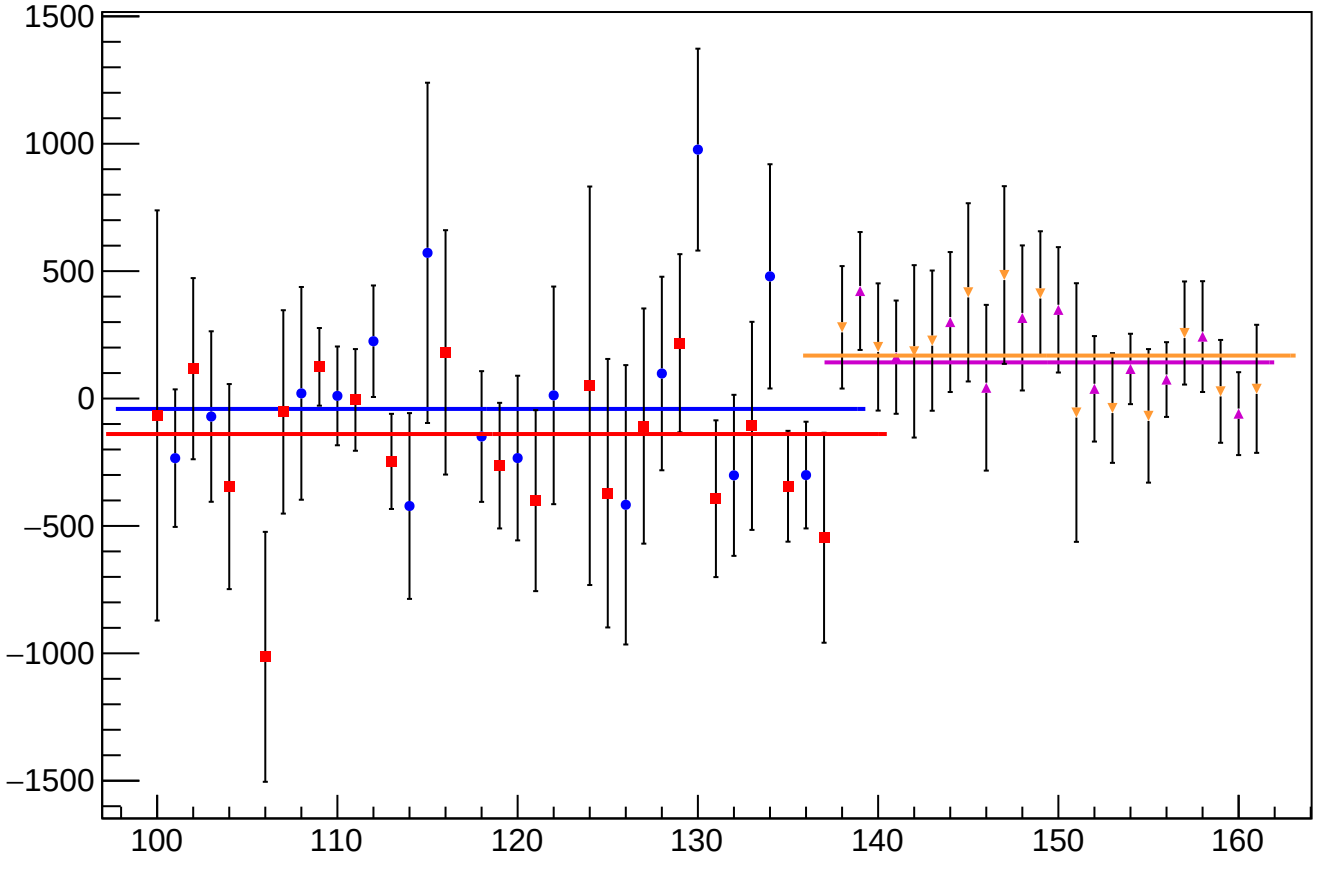
Left: 193.229+/-0.033 χ^2/NDF: 2929273.1/23

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.240+/-0.034 χ^2/NDF:2578520.6/26

Out: 194.997+/-0.035 χ^2/NDF:3126988.0/31

All: 187.836+/-0.024 χ^2/NDF: 5786360.1/58



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 168.607+/-71.923 χ^2/NDF:5.5/12

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 141.895+/-60.674 χ^2/NDF:5.2/10

Left: 153.001+/-46.376 χ^2/NDF: 10.8/23

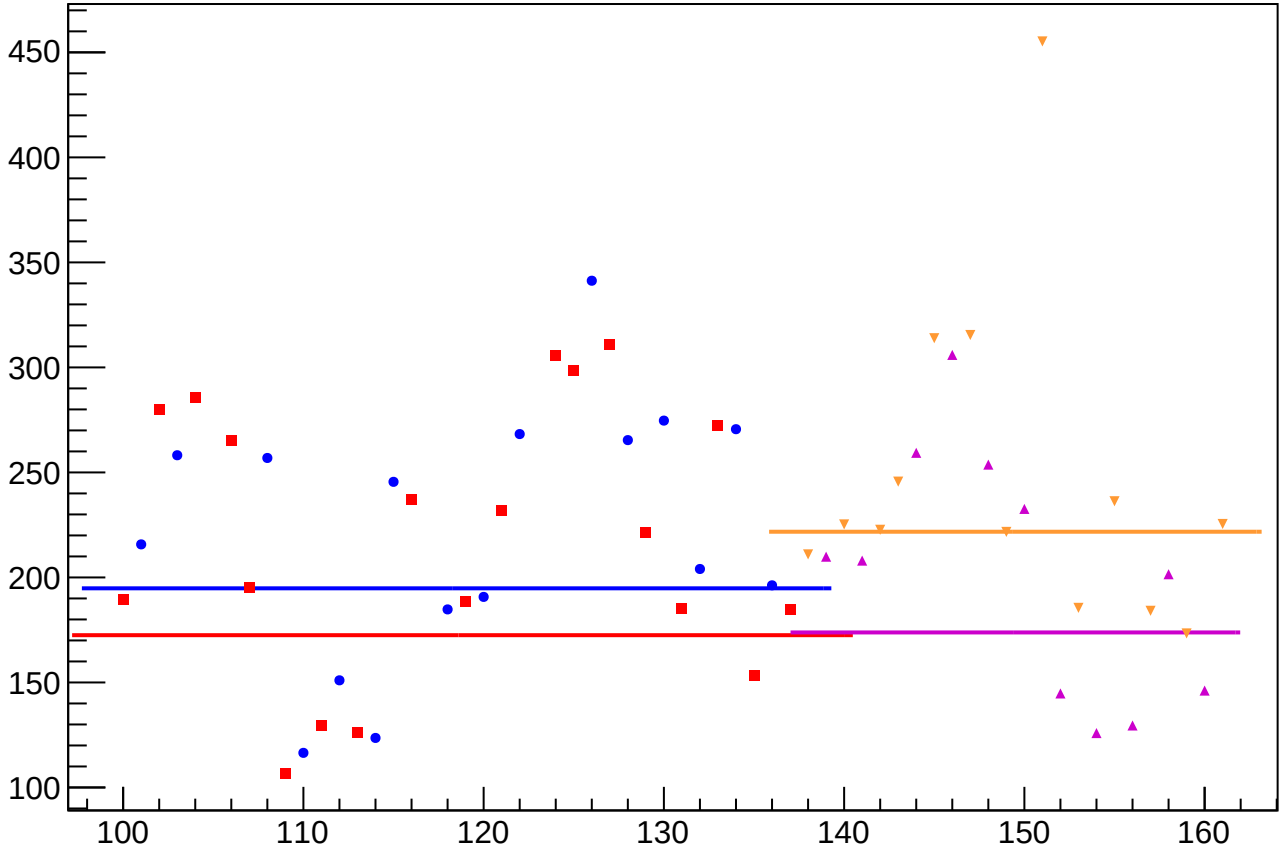
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 71.438+/-47.557 χ^2/NDF:24.1/26

Out: 7.066+/-49.587 χ^2/NDF:28.0/31

All: 40.597+/-34.323 χ^2/NDF: 53.0/58

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.765+/-0.051 χ^2/NDF:973275.9/12

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 173.814+/-0.043 χ^2/NDF:1444653.1/10

Left: 193.750+/-0.033 χ^2/NDF: 2937291.9/23

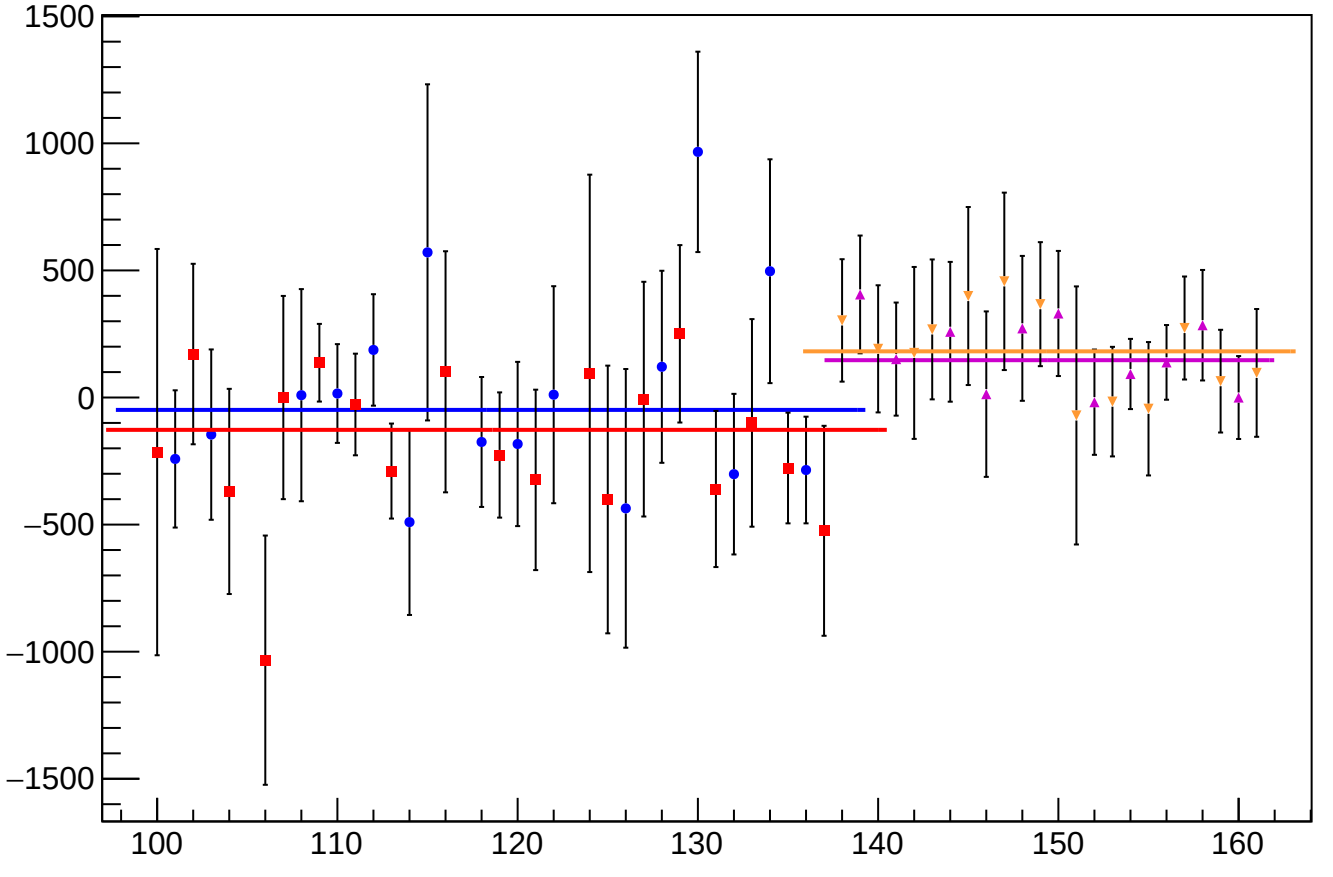
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 181.915+/-0.034 χ^2/NDF:2576198.5/26

Out: 195.921+/-0.035 χ^2/NDF:3107512.9/31

All: 188.625+/-0.024 χ^2/NDF: 5766829.3/58

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 181.621+/-71.993 χ^2/NDF:4.4/12

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 146.804+/-60.735 χ^2/NDF:4.3/10

Left: 161.280+/-46.422 χ^2/NDF: 8.9/23

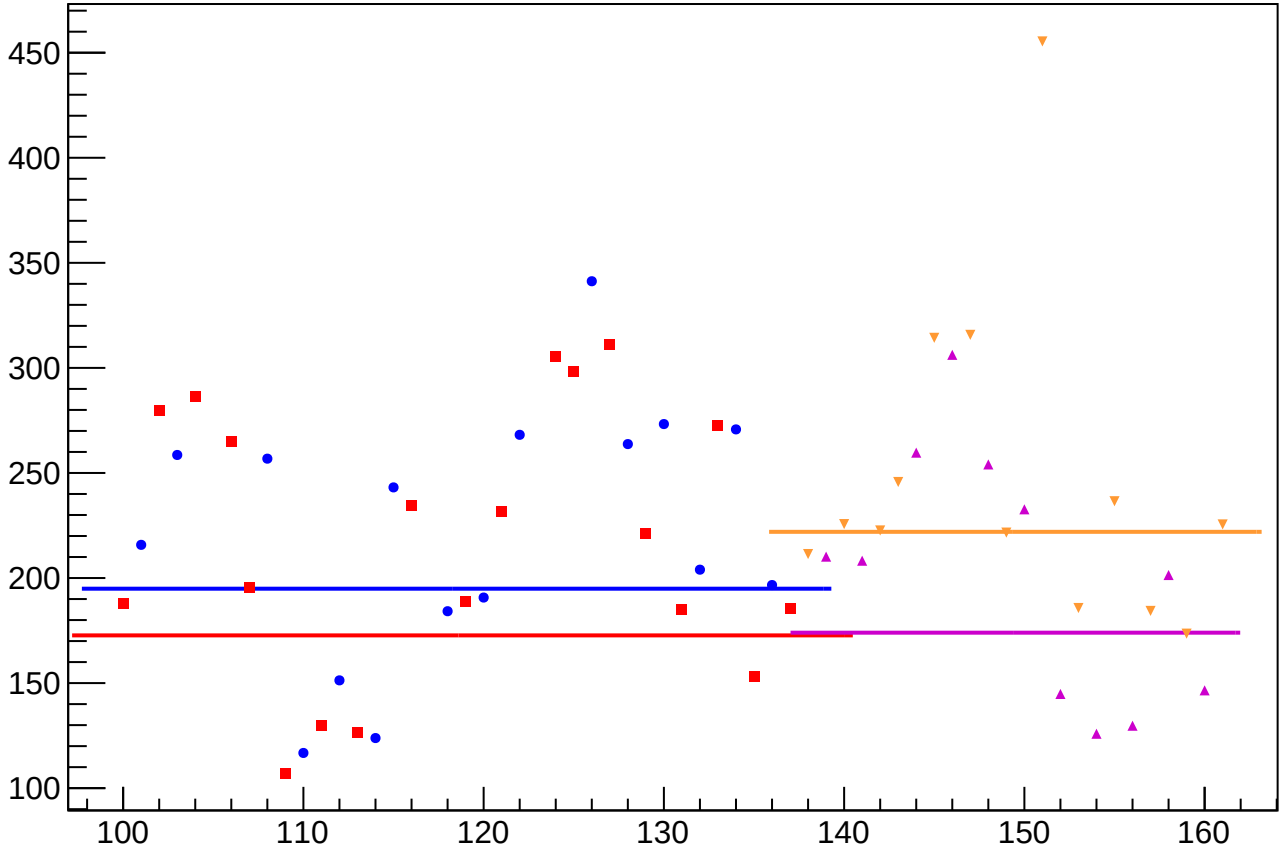
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.310+/-47.589 χ^2/NDF:23.8/26

Out: 19.526+/-49.628 χ^2/NDF:26.9/31

All: 46.504+/-34.349 χ^2/NDF: 51.3/58

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.988+/-0.051 χ^2/NDF:972237.4/12

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

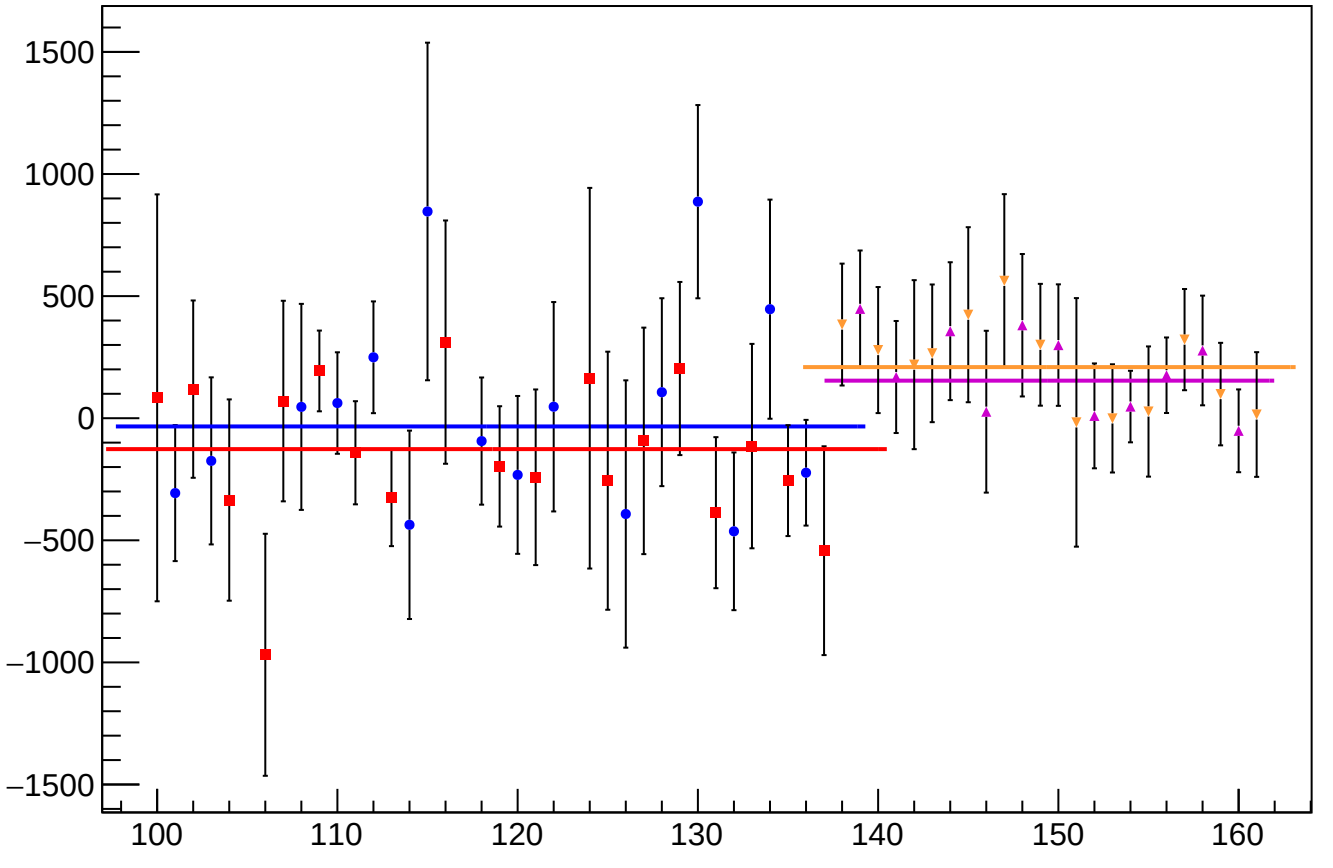
Left: 193.947+/-0.033 χ^2/NDF: 2935777.9/23

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.072+/-0.034 χ^2/NDF:2564810.0/26

Out: 196.124+/-0.035 χ^2/NDF:3095469.4/31

All: 188.803+/-0.024 χ^2/NDF: 5743812.4/58



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 209.309+/-73.841 χ^2/NDF:4.8/12

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 153.805+/-63.153 χ^2/NDF:5.9/10

Left: 177.253+/-47.994 χ^2/NDF: 11.0/23

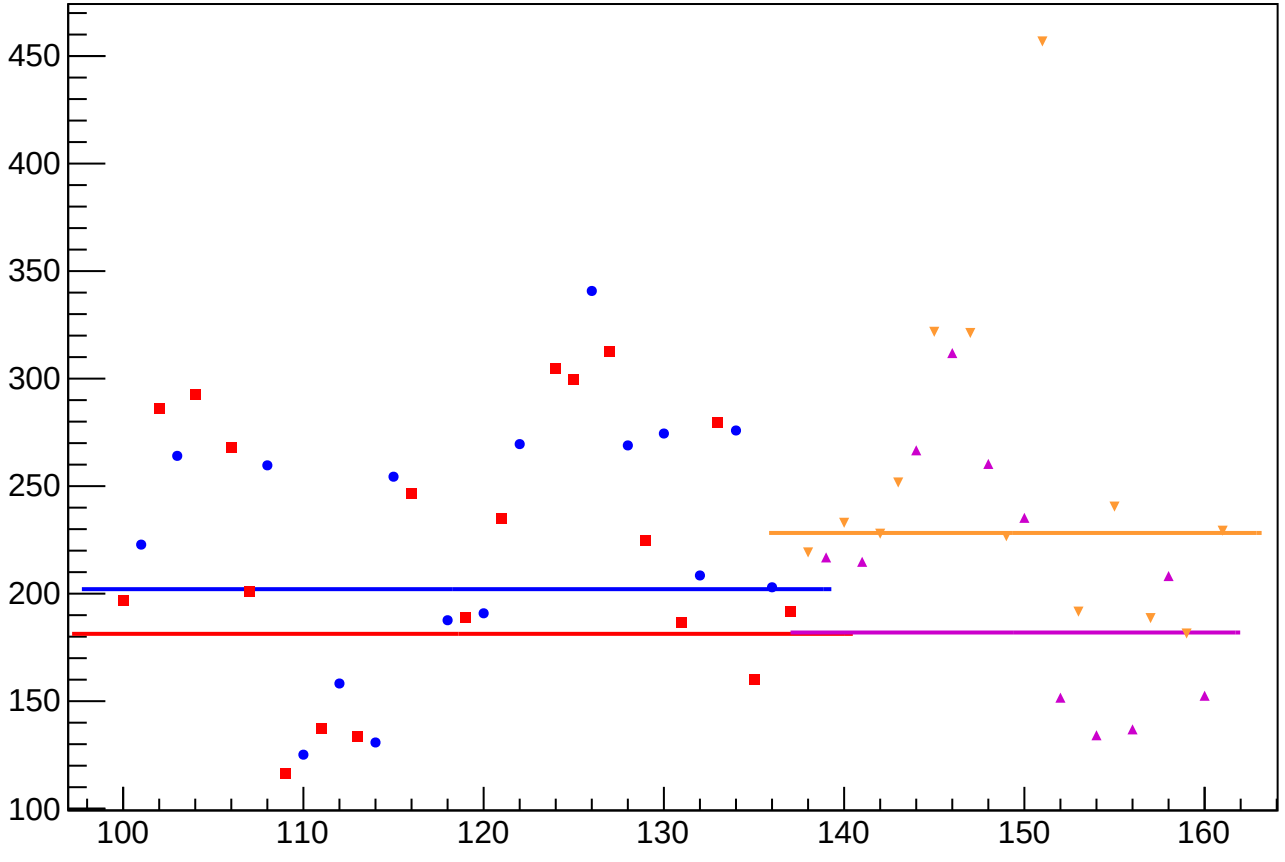
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 80.682+/-49.327 χ^2/NDF:25.1/26

Out: 35.516+/-51.295 χ^2/NDF:28.2/31

All: 58.982+/-35.555 χ^2/NDF: 53.7/58

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 228.232+/-0.052 χ^2/NDF:925134.0/12

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 181.932+/-0.045 χ^2/NDF:1317426.9/10

Left: 201.491+/-0.034 χ^2/NDF: 2696691.0/23

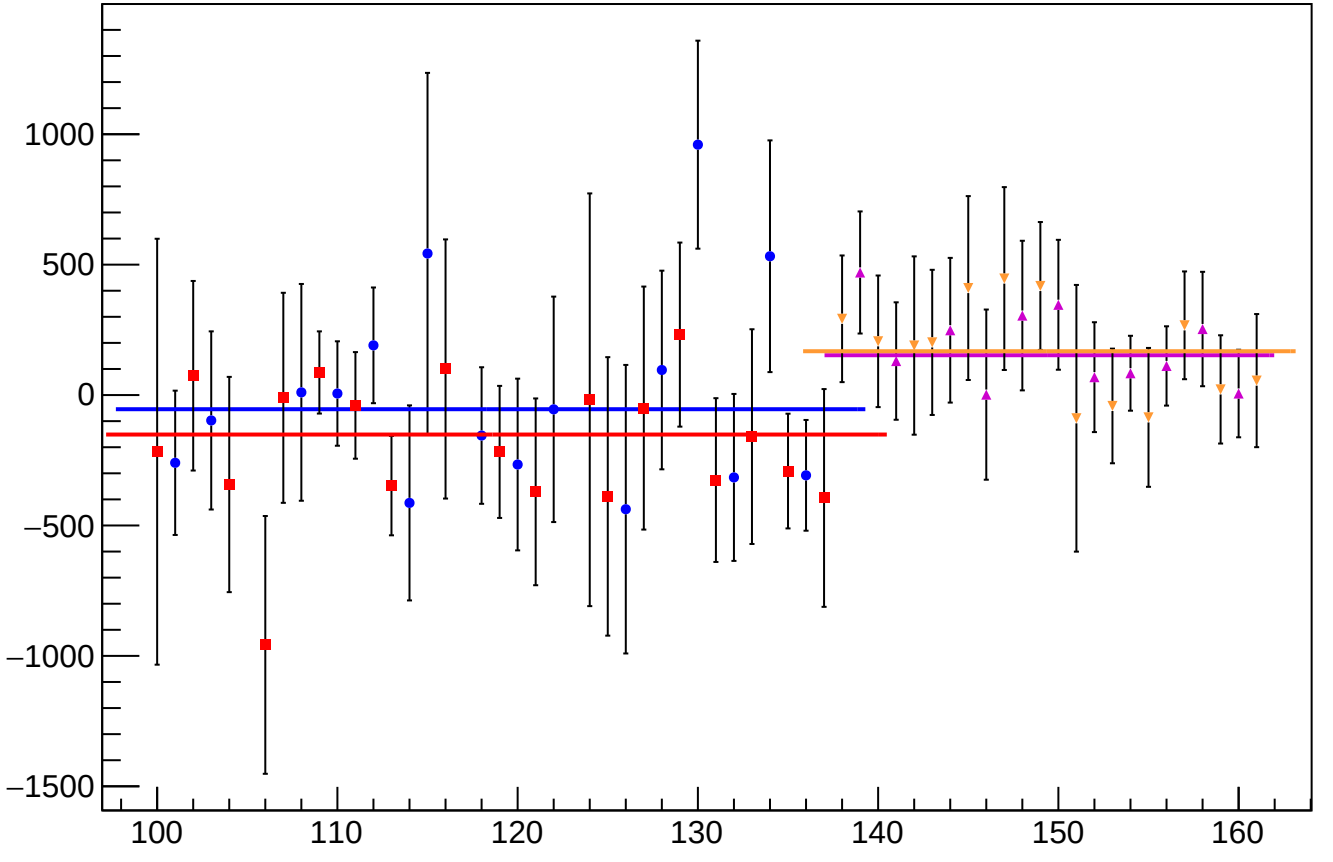
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 189.792+/-0.035 χ^2/NDF:2307139.7/26

Out: 203.954+/-0.036 χ^2/NDF:2783954.5/31

All: 196.596+/-0.025 χ^2/NDF: 5170298.6/58

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 168.068+/-73.009 χ^2/NDF:5.4/12

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 152.723+/-62.106 χ^2/NDF:4.5/10

Left: 159.165+/-47.306 χ^2/NDF: 10.0/23

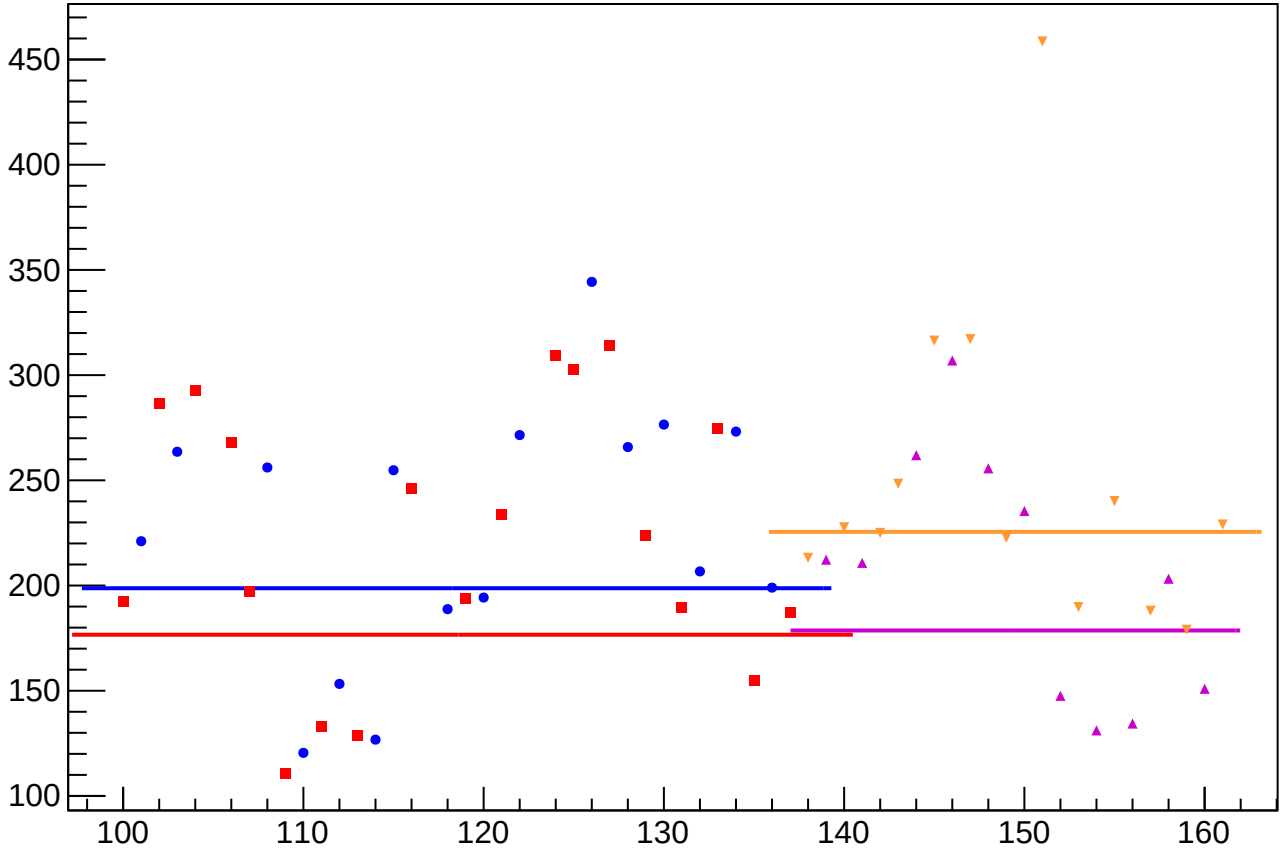
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 72.348+/-48.573 χ^2/NDF:23.9/26

Out: 1.413+/-50.491 χ^2/NDF:25.7/31

All: 38.253+/-35.005 χ^2/NDF: 50.6/58

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.503+/-0.052 χ^2/NDF:930045.5/12

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 178.643+/-0.044 χ^2/NDF:1331523.7/10

Left: 198.316+/-0.033 χ^2/NDF: 2739591.7/23

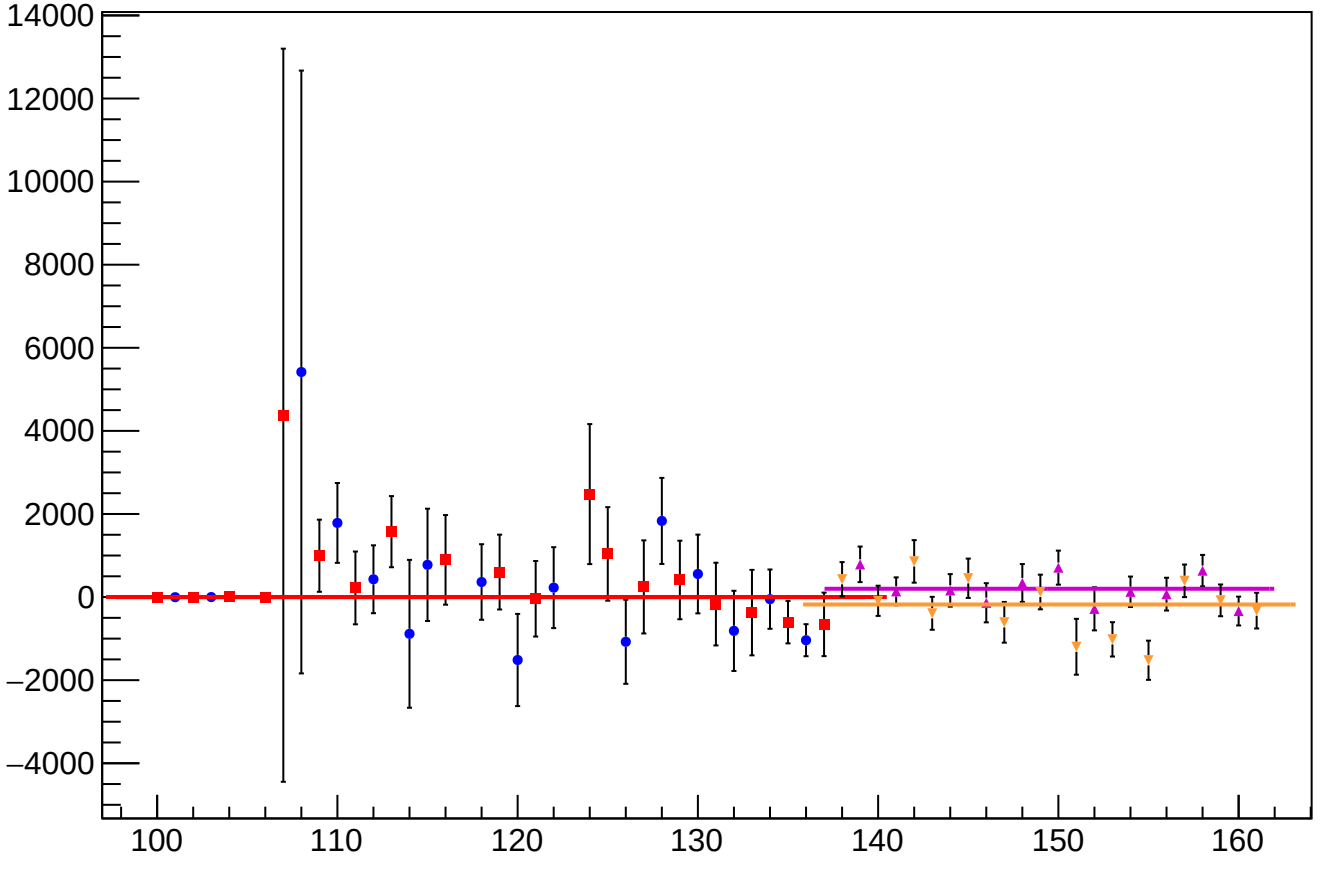
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 186.439+/-0.034 χ^2/NDF:2406745.0/26

Out: 200.000+/-0.036 χ^2/NDF:2993513.1/31

All: 192.957+/-0.025 χ^2/NDF: 5475191.5/58

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -178.384+/-120.095 χ^2/NDF:26.5/12

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 200.107+/-120.383 χ^2/NDF:8.8/10

Left: 10.407+/-85.022 χ^2/NDF: 40.3/23

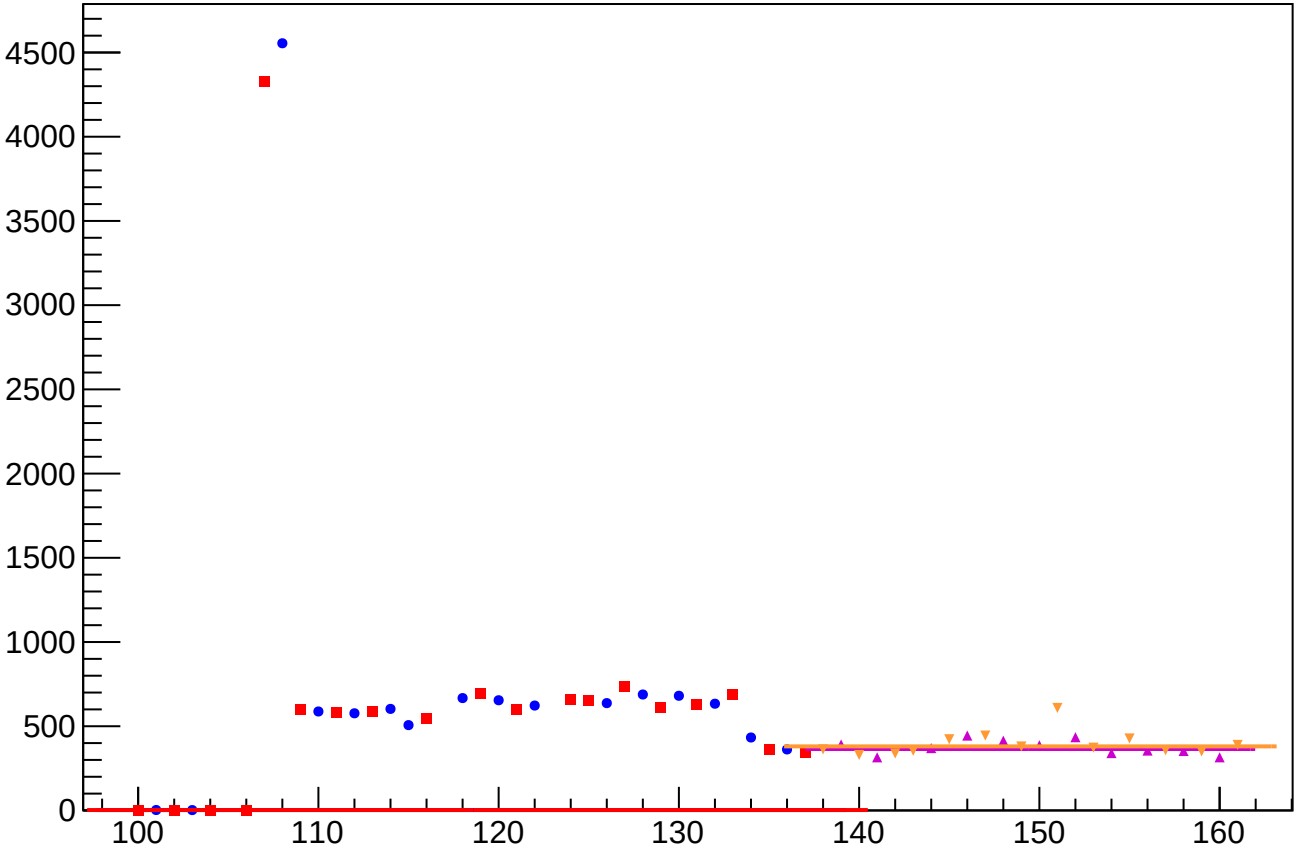
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.173+/-2.170 χ^2/NDF:31.5/26

Out: 1.326+/-2.022 χ^2/NDF:45.6/31

All: 0.165+/-1.480 χ^2/NDF: 77.8/58

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 380.429+/-0.085 χ^2/NDF:386490.1/12

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 364.910+/-0.085 χ^2/NDF:226858.8/10

Left: 372.688+/-0.060 χ^2/NDF: 630006.7/23

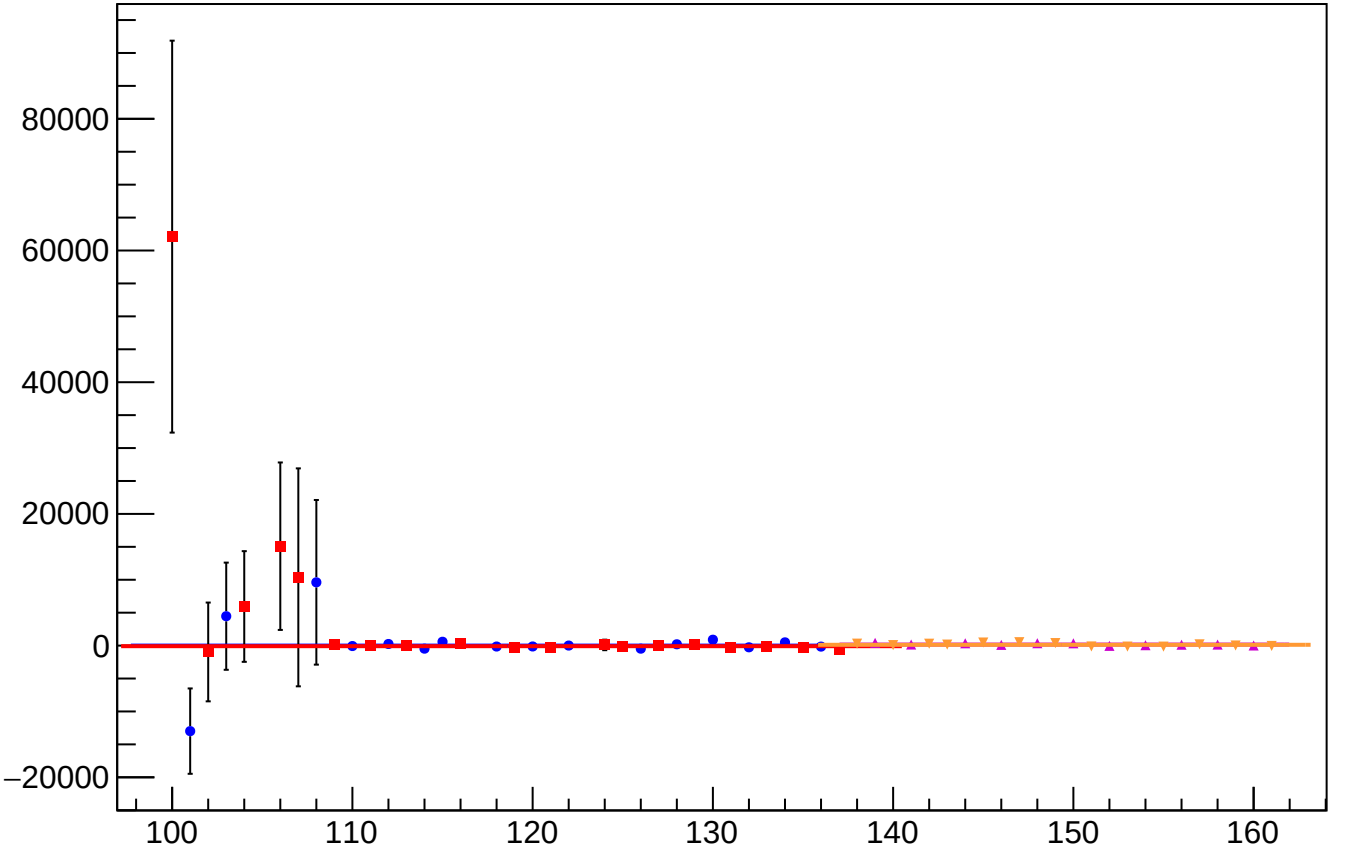
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.595+/-0.002 χ^2/NDF:29975382.0/26

Out: 2.569+/-0.001 χ^2/NDF:31736501.6/31

All: 2.581+/-0.001 χ^2/NDF: 61712027.8/58

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 122.412+/-77.830 χ^2/NDF:6.9/12

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 156.733+/-67.465 χ^2/NDF:4.3/10

Left: 142.009+/-50.979 χ^2/NDF: 11.2/23

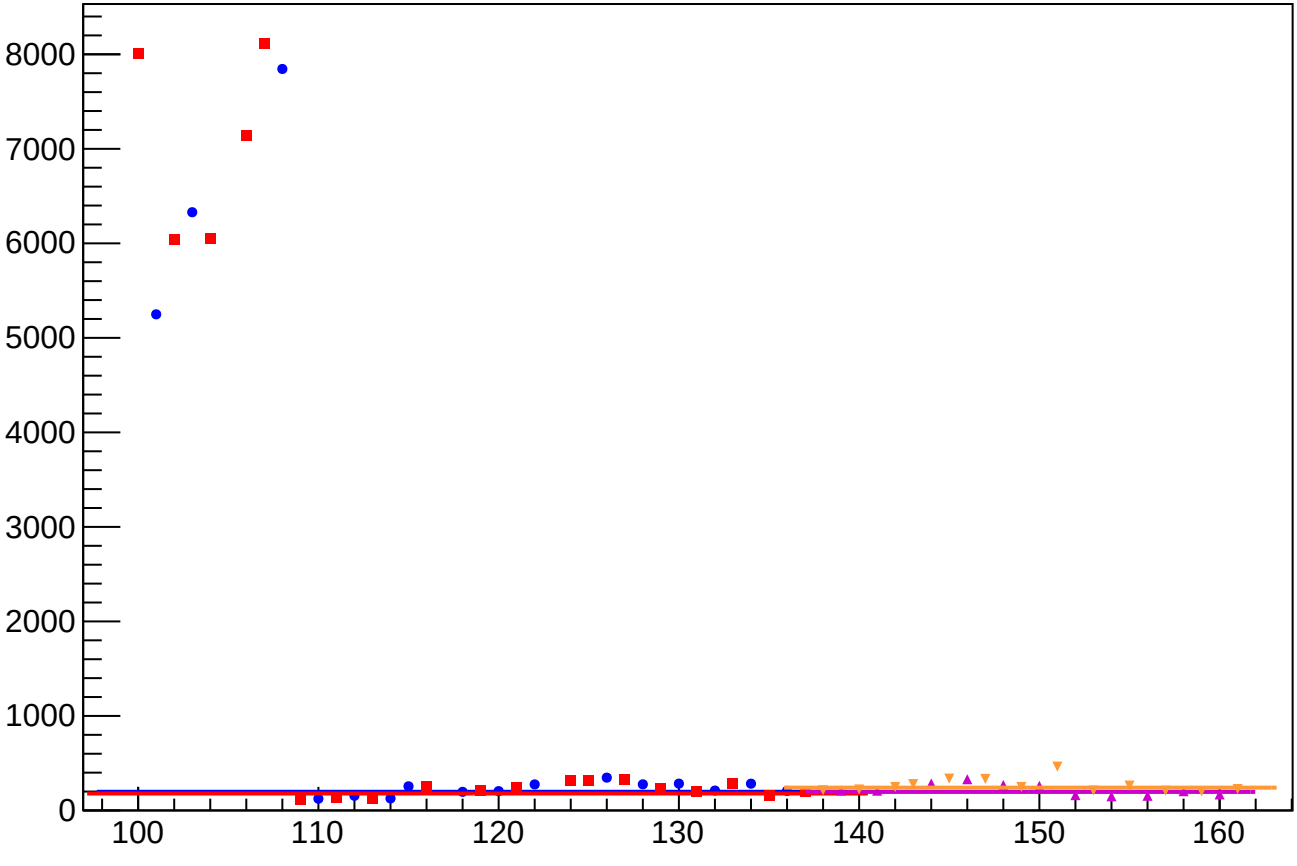
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 98.780+/-53.501 χ^2/NDF:23.1/26

Out: 22.143+/-56.321 χ^2/NDF:25.2/31

All: 62.428+/-38.790 χ^2/NDF: 49.3/58

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 241.415+/-0.055 χ^2/NDF:850465.5/12

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 196.072+/-0.048 χ^2/NDF:1063078.3/10

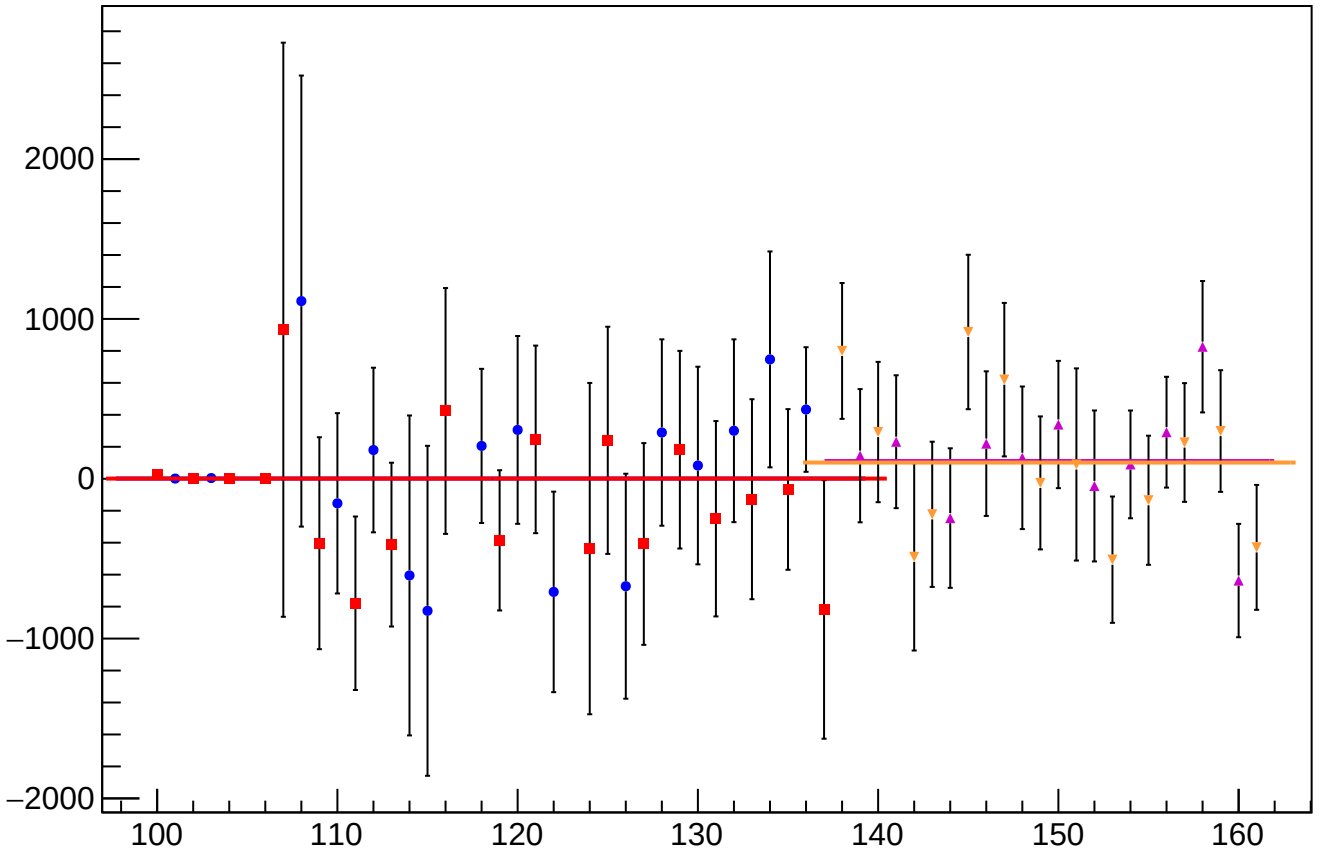
Left: 215.525+/-0.036 χ^2/NDF: 2301120.7/23

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.647+/-0.038 χ^2/NDF:5020661.2/26

Out: 211.803+/-0.040 χ^2/NDF:5876658.9/31

All: 203.836+/-0.027 χ^2/NDF: 10973456.9/58



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 101.476+/-120.499 χ^2/NDF:13.5/12

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 110.851+/-120.843 χ^2/NDF:9.0/10

Left: 106.150+/-85.327 χ^2/NDF: 22.5/23

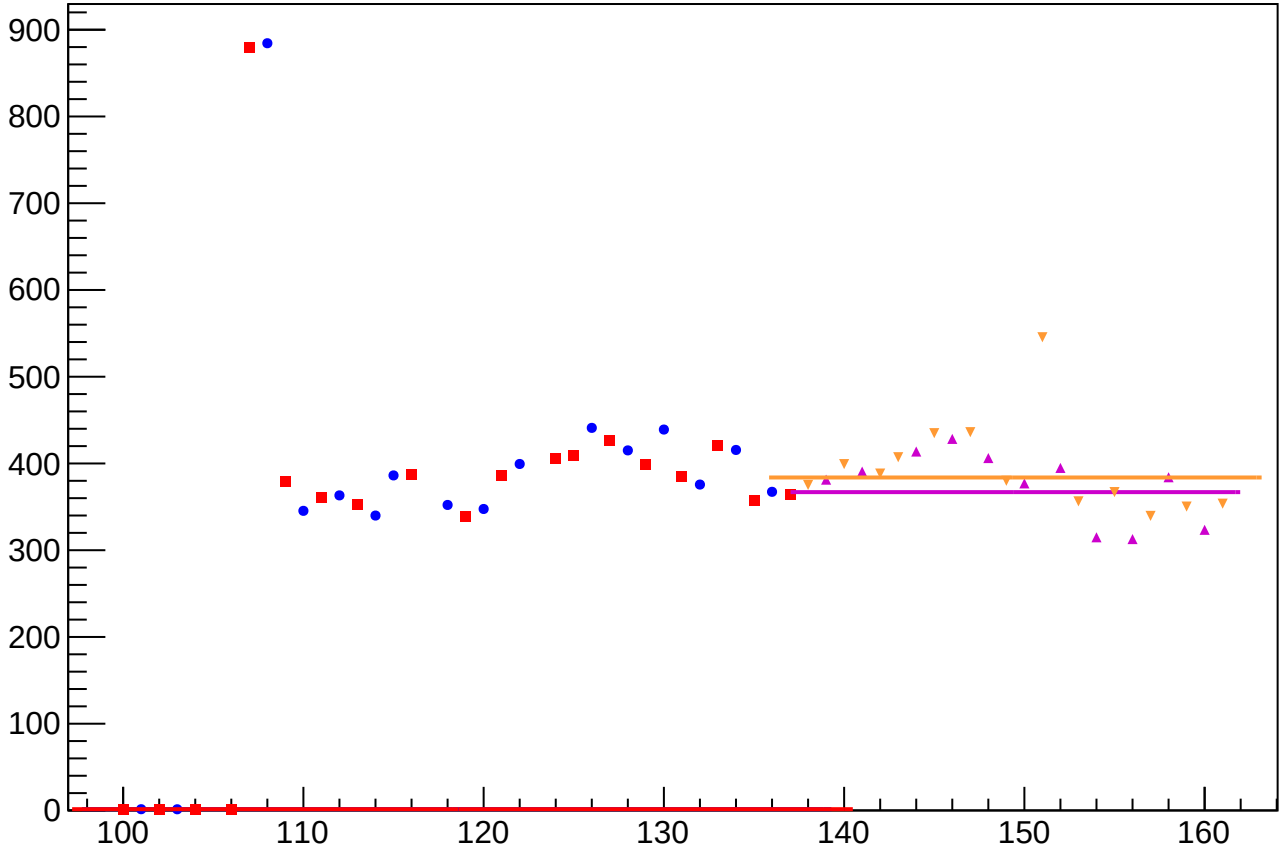
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.476+/-1.660 χ^2/NDF:17.7/26

Out: 1.110+/-1.528 χ^2/NDF:23.3/31

All: 1.278+/-1.124 χ^2/NDF: 41.0/58

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 383.840+/-0.085 χ^2/NDF:268490.4/12

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 366.958+/-0.085 χ^2/NDF:222337.9/10

Left: 375.423+/-0.060 χ^2/NDF: 510399.3/23

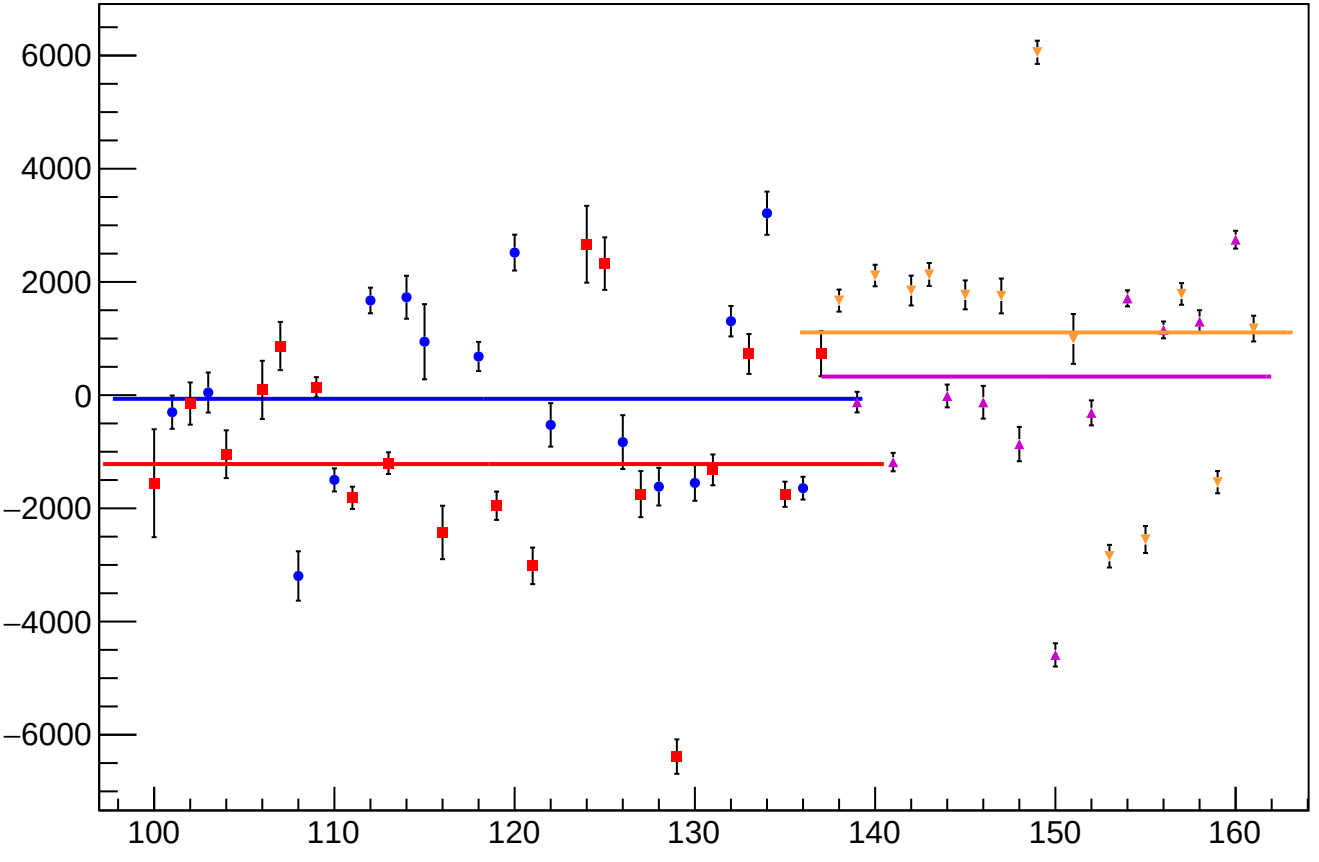
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.539+/-0.001 χ^2/NDF:30249234.1/26

Out: 1.529+/-0.001 χ^2/NDF:31674657.7/31

All: 1.533+/-0.001 χ^2/NDF: 61923935.5/58

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1107.538+/-61.694 χ^2/NDF:1483.5/12

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 328.028+/-56.010 χ^2/NDF:1074.4/10

Left: 680.229+/-41.469 χ^2/NDF: 2645.4/23

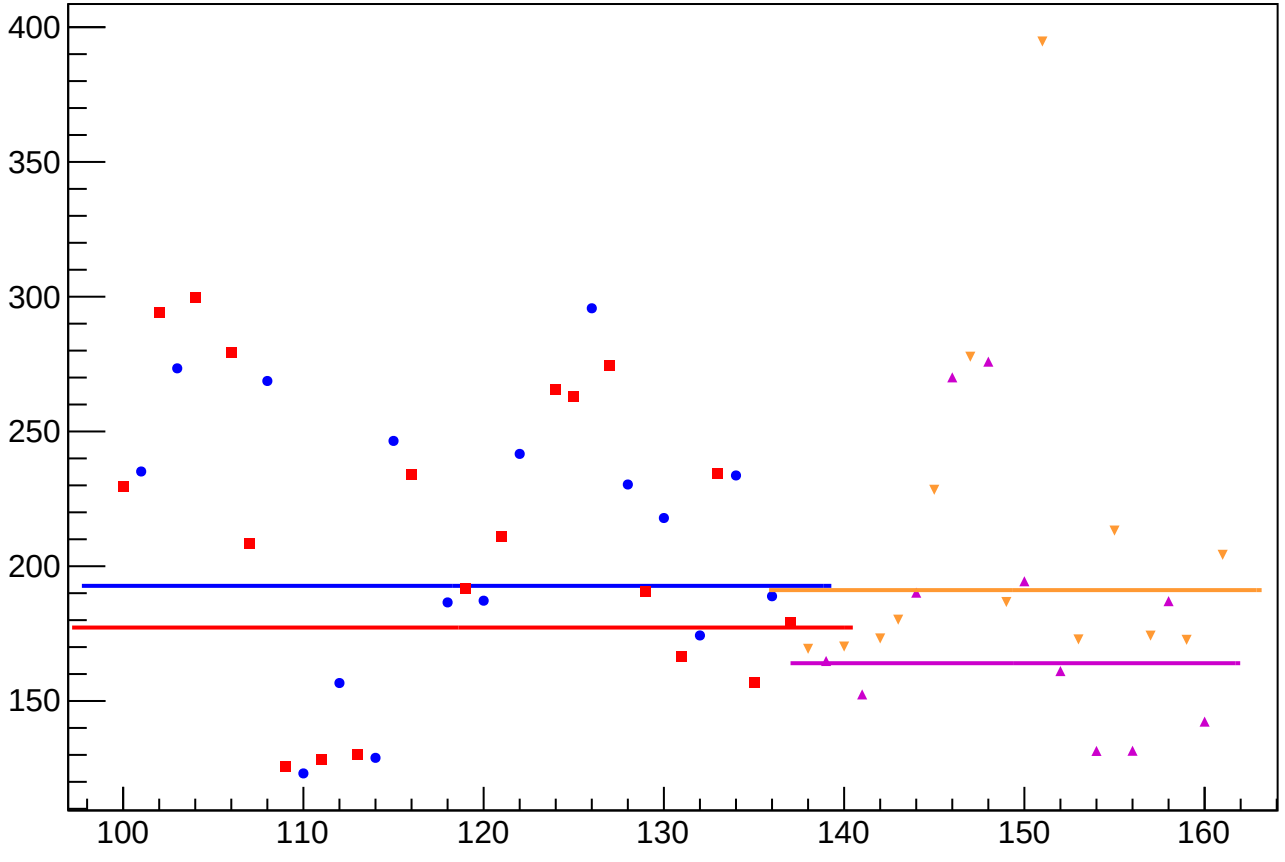
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 187.060+/-44.854 χ^2/NDF:1561.5/26

Out: 74.805+/-45.998 χ^2/NDF:2709.0/31

All: 132.345+/-32.113 χ^2/NDF: 4273.6/58

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 191.136+/-0.044 χ^2/NDF:767135.2/12

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 164.018+/-0.040 χ^2/NDF:893038.7/10

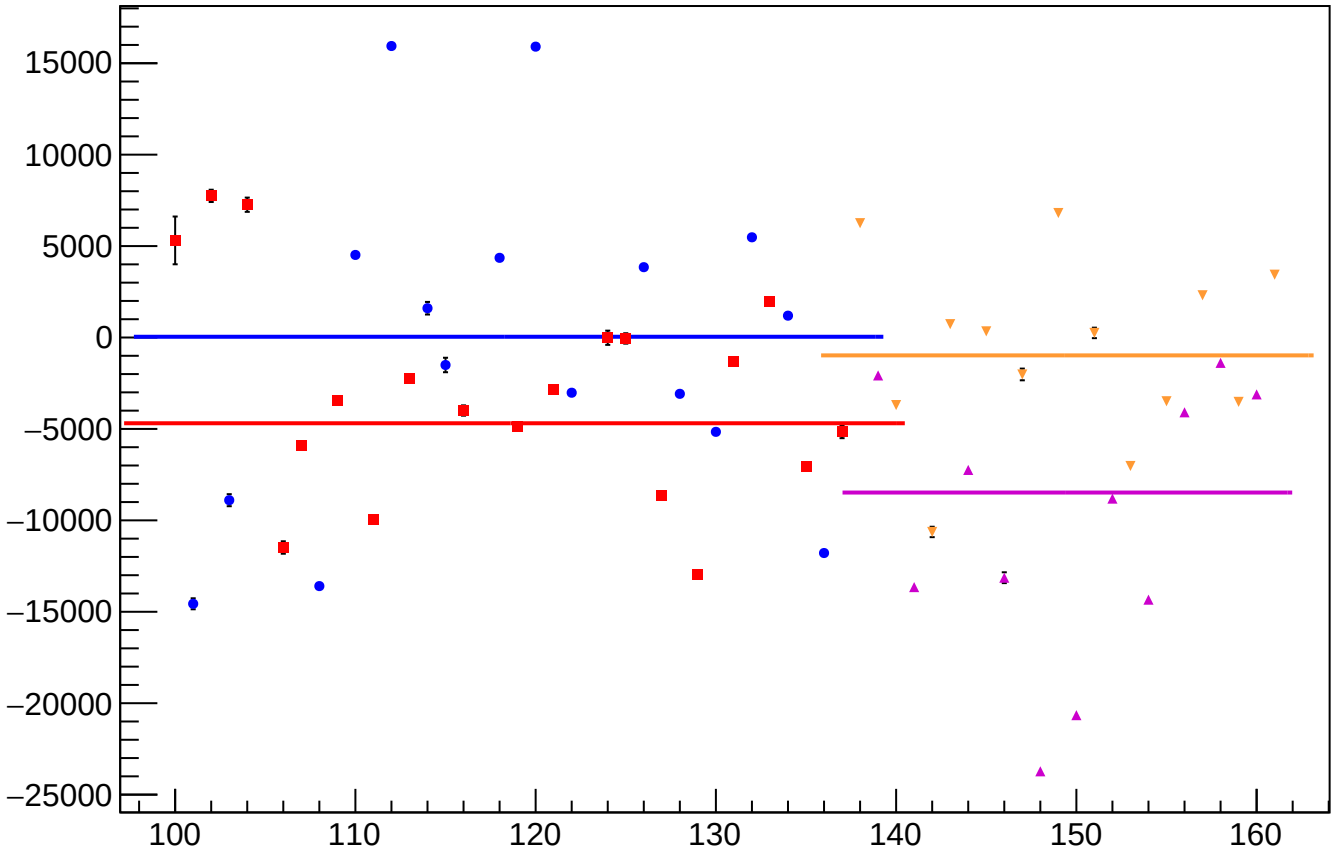
Left: 176.271+/-0.029 χ^2/NDF: 1872007.4/23

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 174.312+/-0.032 χ^2/NDF:1840552.0/26

Out: 184.970+/-0.033 χ^2/NDF:2038306.6/31

All: 179.507+/-0.023 χ^2/NDF: 3933892.1/58



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -977.609+/-53.726 χ^2/NDF:7438.4/12

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8478.858+/-56.825 χ^2/NDF:14215.2/10

Left: -4518.093+/-39.040 χ^2/NDF: 30854.4/23

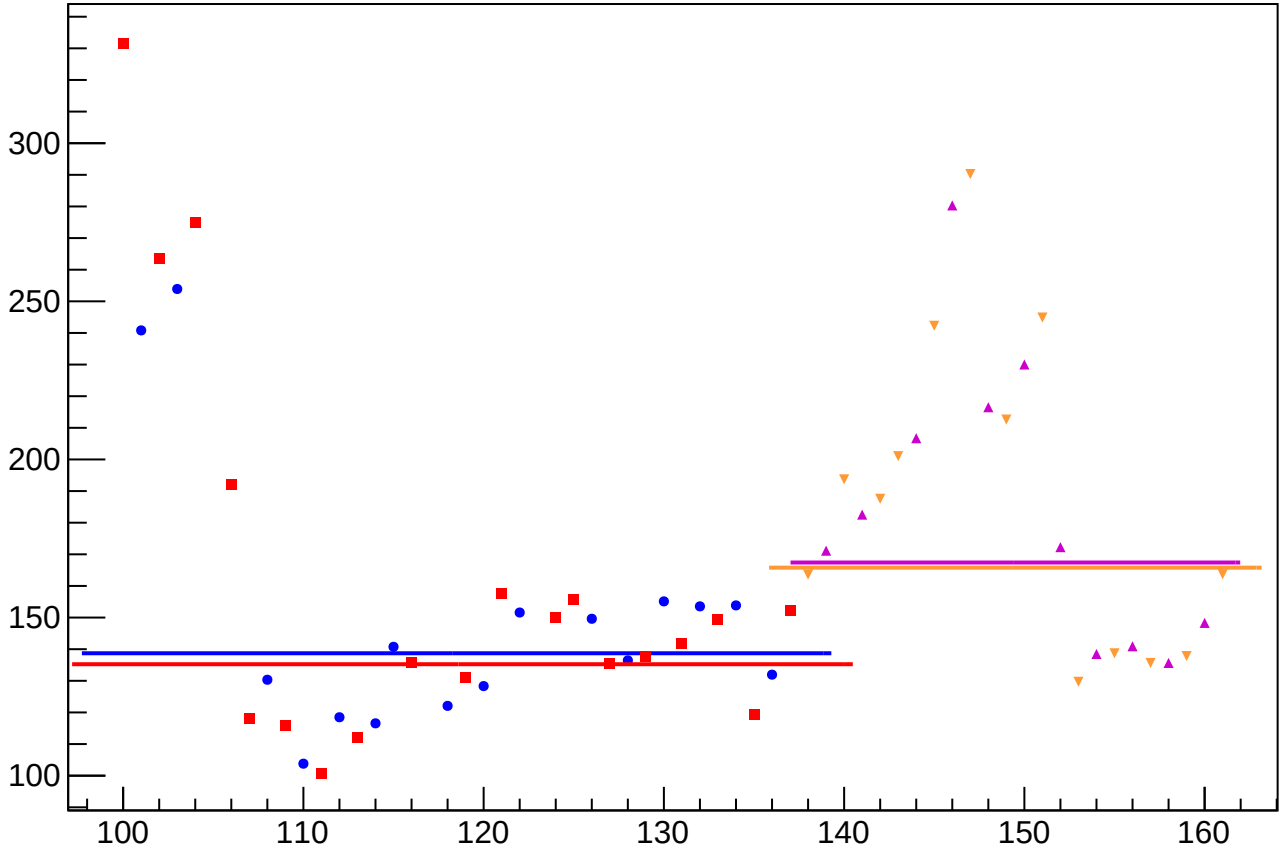
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4017.517+/-39.220 χ^2/NDF:56772.4/26

Out: -2890.856+/-37.400 χ^2/NDF:17694.5/31

All: -3427.440+/-27.066 χ^2/NDF: 74899.1/58

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.784+/-0.038 χ^2/NDF:1126152.4/12

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

Left: 166.550+/-0.028 χ^2/NDF: 1960955.6/23

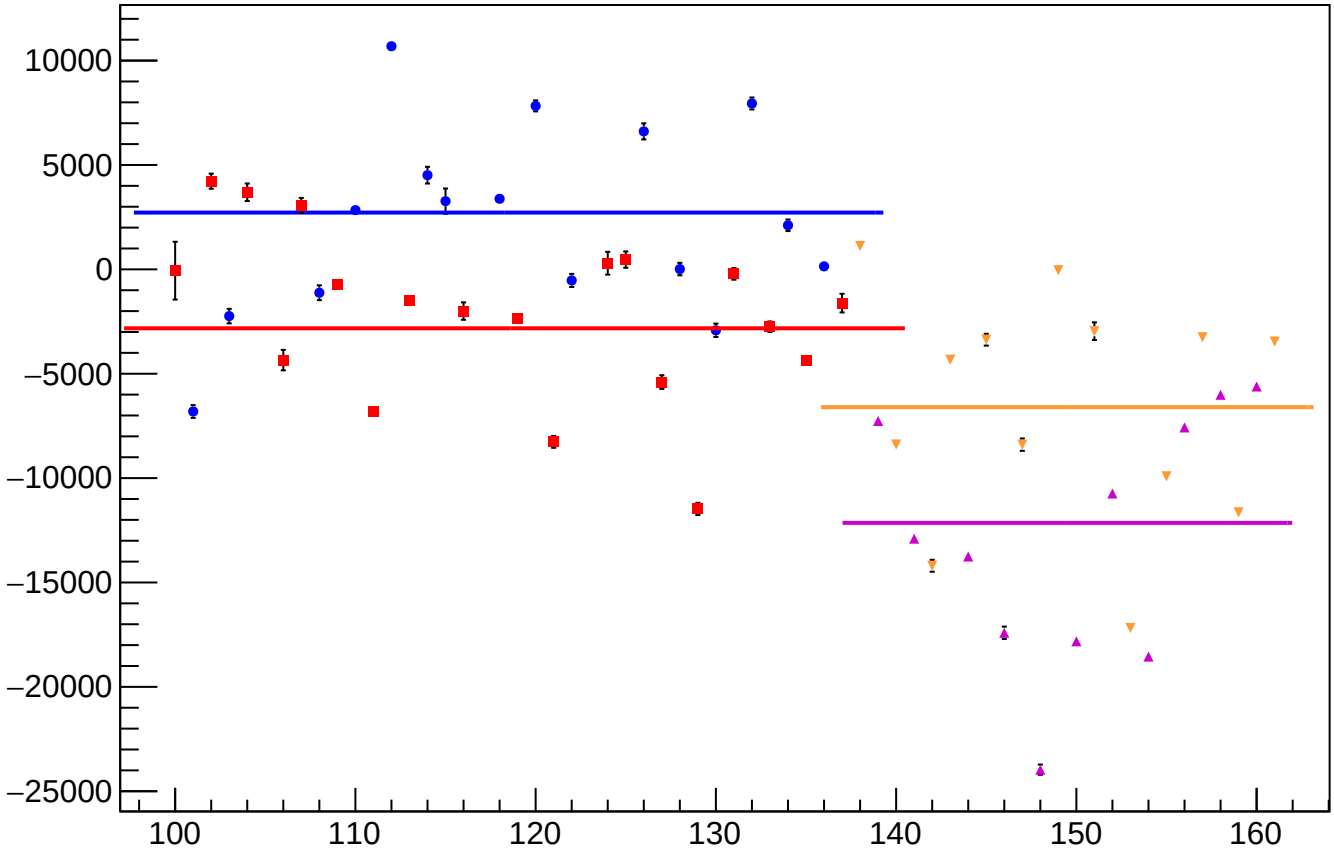
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.381+/-0.028 χ^2/NDF:1758781.5/26

Out: 150.044+/-0.026 χ^2/NDF:2349227.7/31

All: 151.157+/-0.019 χ^2/NDF: 4111728.2/58

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6602.119+/-63.946 χ^2/NDF:7602.8/12

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12143.672+/-59.626 χ^2/NDF:9004.8/10

Left: -9566.412+/-43.609 χ^2/NDF: 20624.9/23

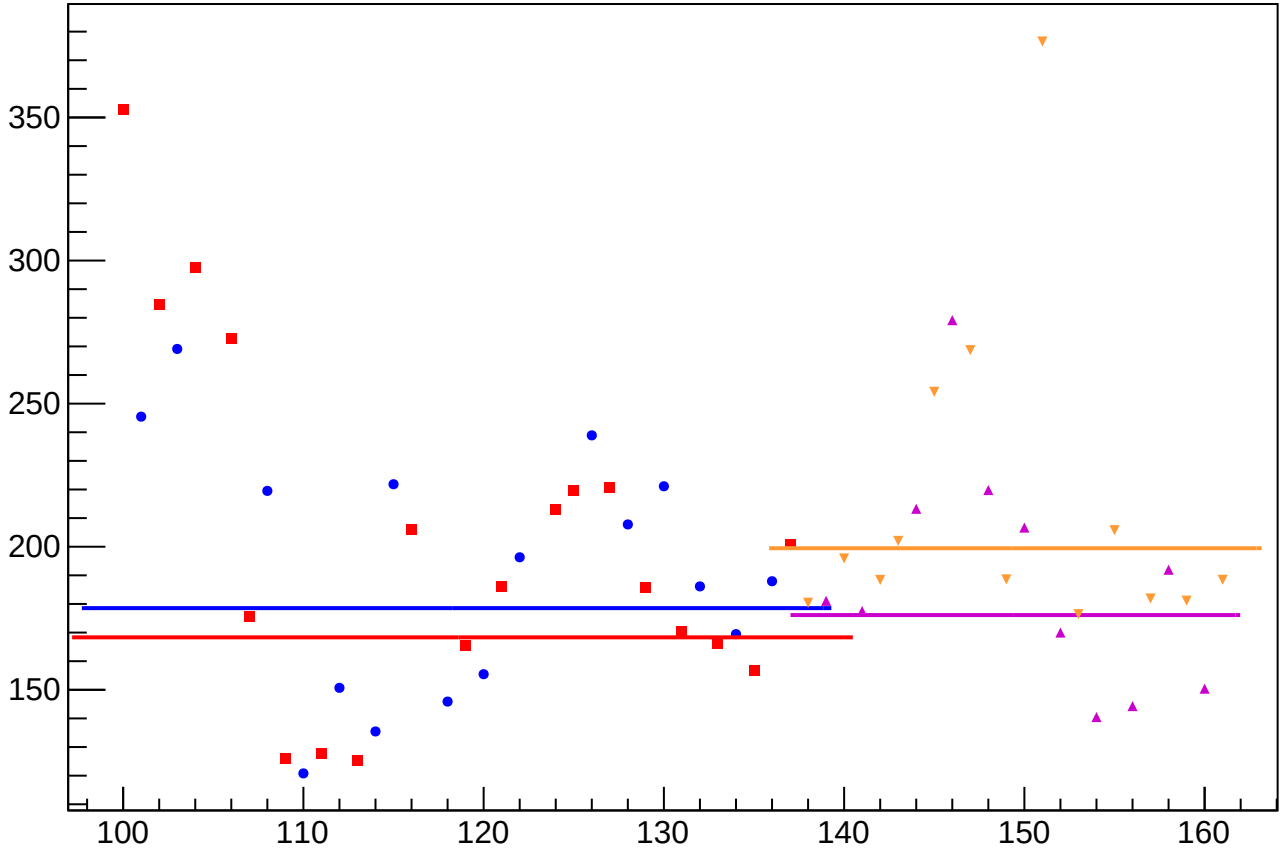
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5815.404+/-45.184 χ^2/NDF:39591.1/26

Out: -4739.415+/-45.533 χ^2/NDF:12386.8/31

All: -5281.553+/-32.072 χ^2/NDF: 52259.3/58

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.473+/-0.045 χ^2/NDF:623197.7/12

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

Left: 186.981+/-0.031 χ^2/NDF: 1413312.8/23

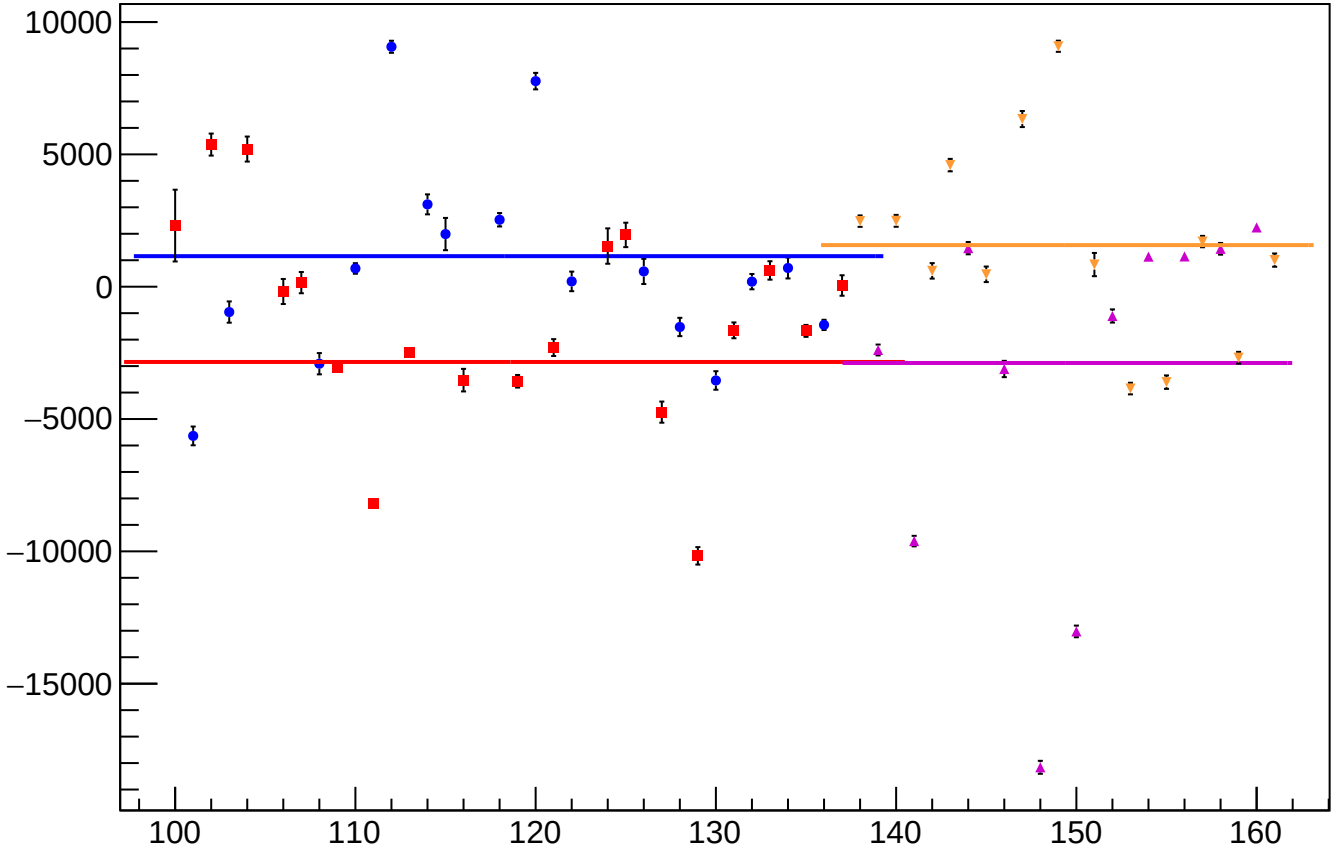
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.151+/-0.032 χ^2/NDF:1323396.2/26

Out: 184.122+/-0.032 χ^2/NDF:1836471.9/31

All: 180.610+/-0.023 χ^2/NDF: 3183493.2/58

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1571.845+/-68.200 χ^2/NDF:3136.5/12

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2882.120+/-63.258 χ^2/NDF:9808.0/10

Left: -822.355+/-46.379 χ^2/NDF: 15237.2/23

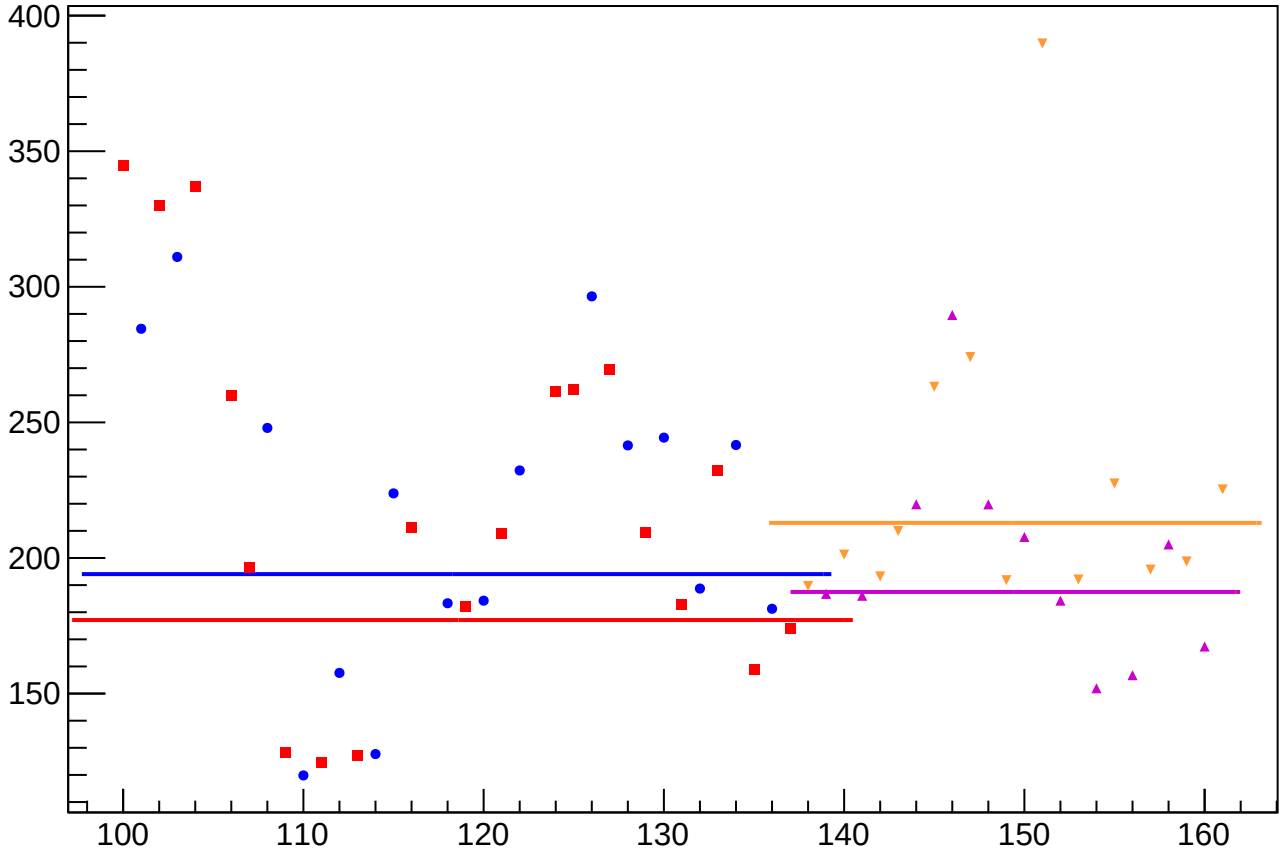
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1229.259+/-48.608 χ^2/NDF:14130.4/26

Out: -605.847+/-48.553 χ^2/NDF:7657.1/31

All: -917.199+/-34.352 χ^2/NDF: 21869.8/58

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 212.945+/-0.048 χ^2/NDF:571673.2/12

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

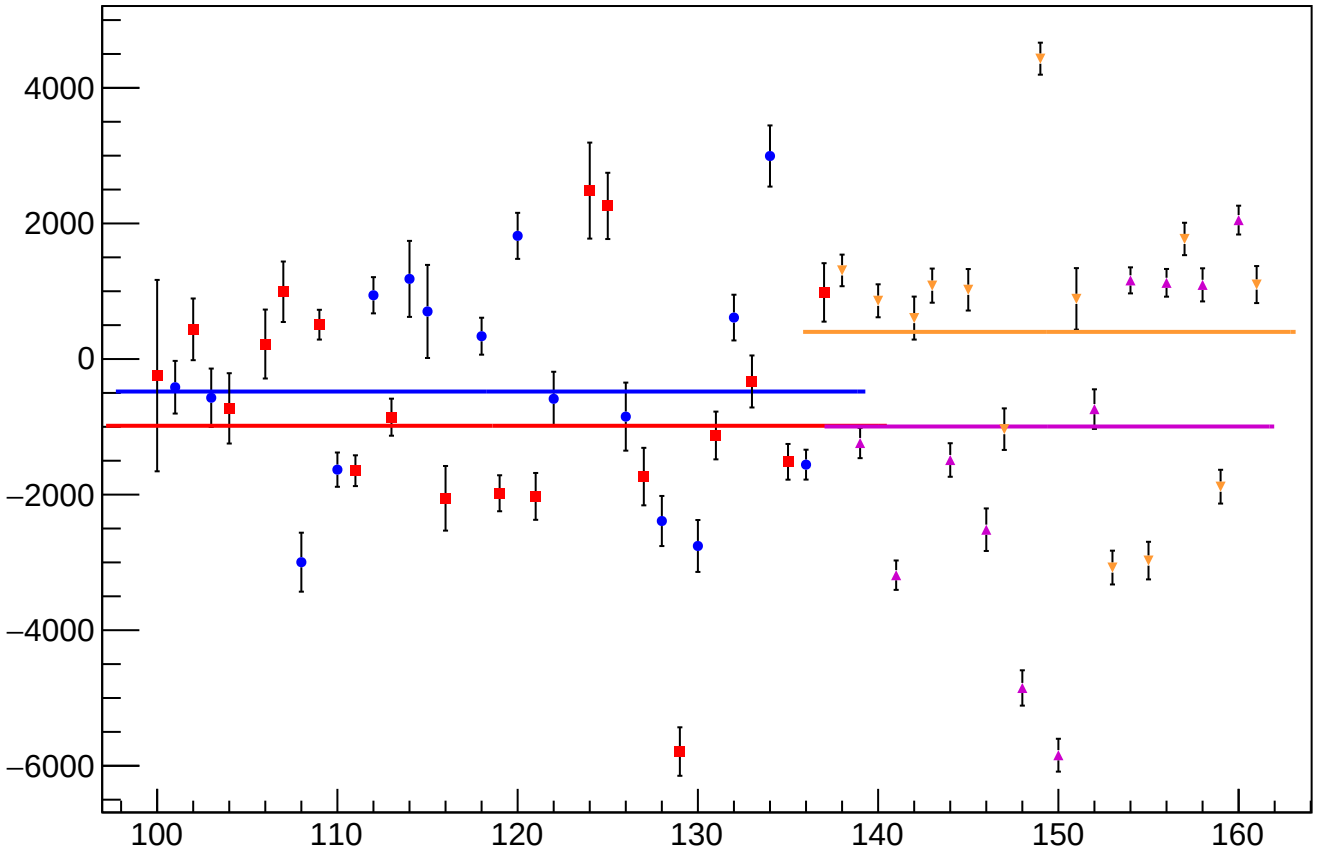
Left: 199.254+/-0.033 χ^2/NDF: 1221579.9/23

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.170+/-0.034 χ^2/NDF:1474626.0/26

Out: 195.275+/-0.034 χ^2/NDF:2203246.6/31

All: 192.725+/-0.024 χ^2/NDF: 3688914.0/58



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 400.617+/-74.274 χ^2/NDF:810.8/12

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -995.123+/-70.515 χ^2/NDF:1262.8/10

Left: -333.465+/-51.139 χ^2/NDF: 2259.3/23

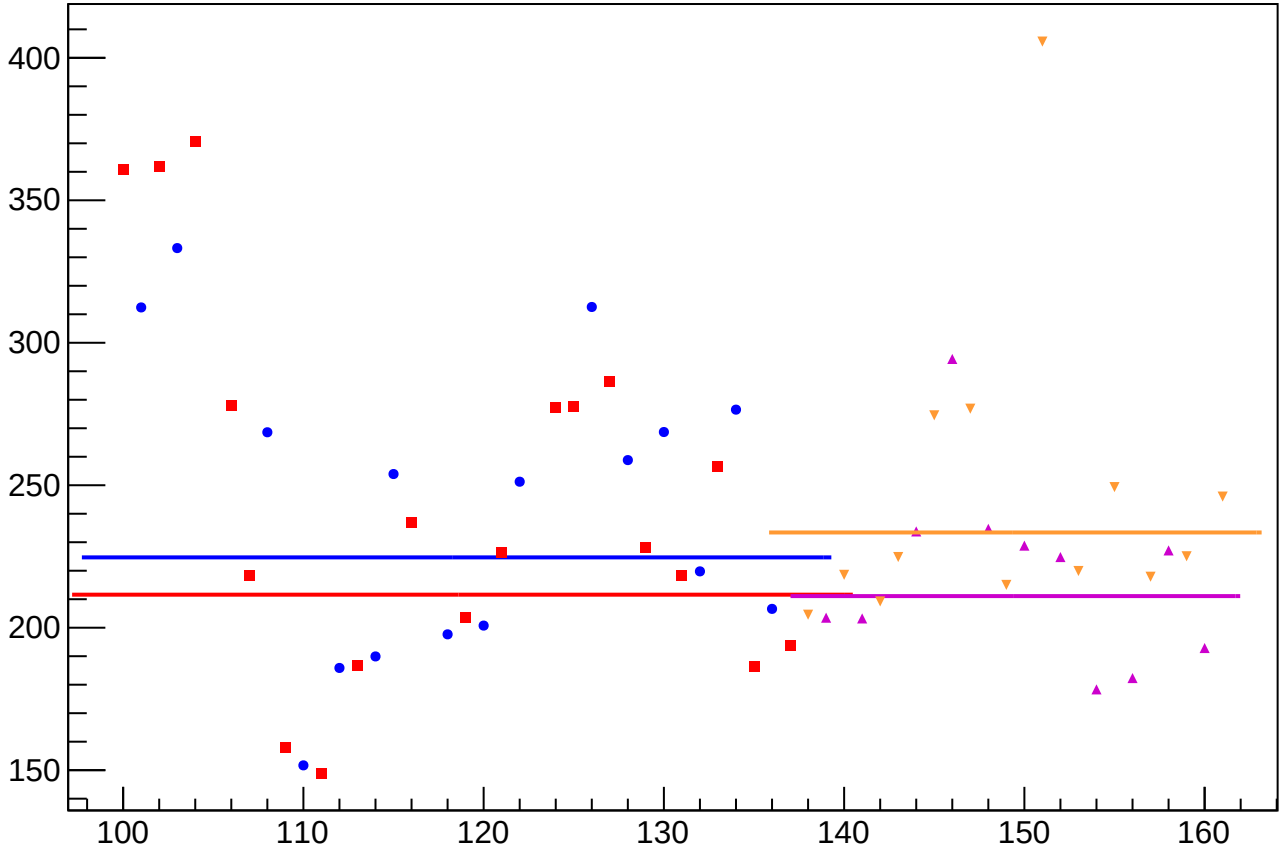
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -789.716+/-54.702 χ^2/NDF:1589.5/26

Out: -232.517+/-54.726 χ^2/NDF:1367.9/31

All: -511.241+/-38.689 χ^2/NDF: 3009.3/58

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.425+/-0.053 χ^2/NDF:456235.7/12

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

Left: 221.680+/-0.036 χ^2/NDF: 866191.3/23

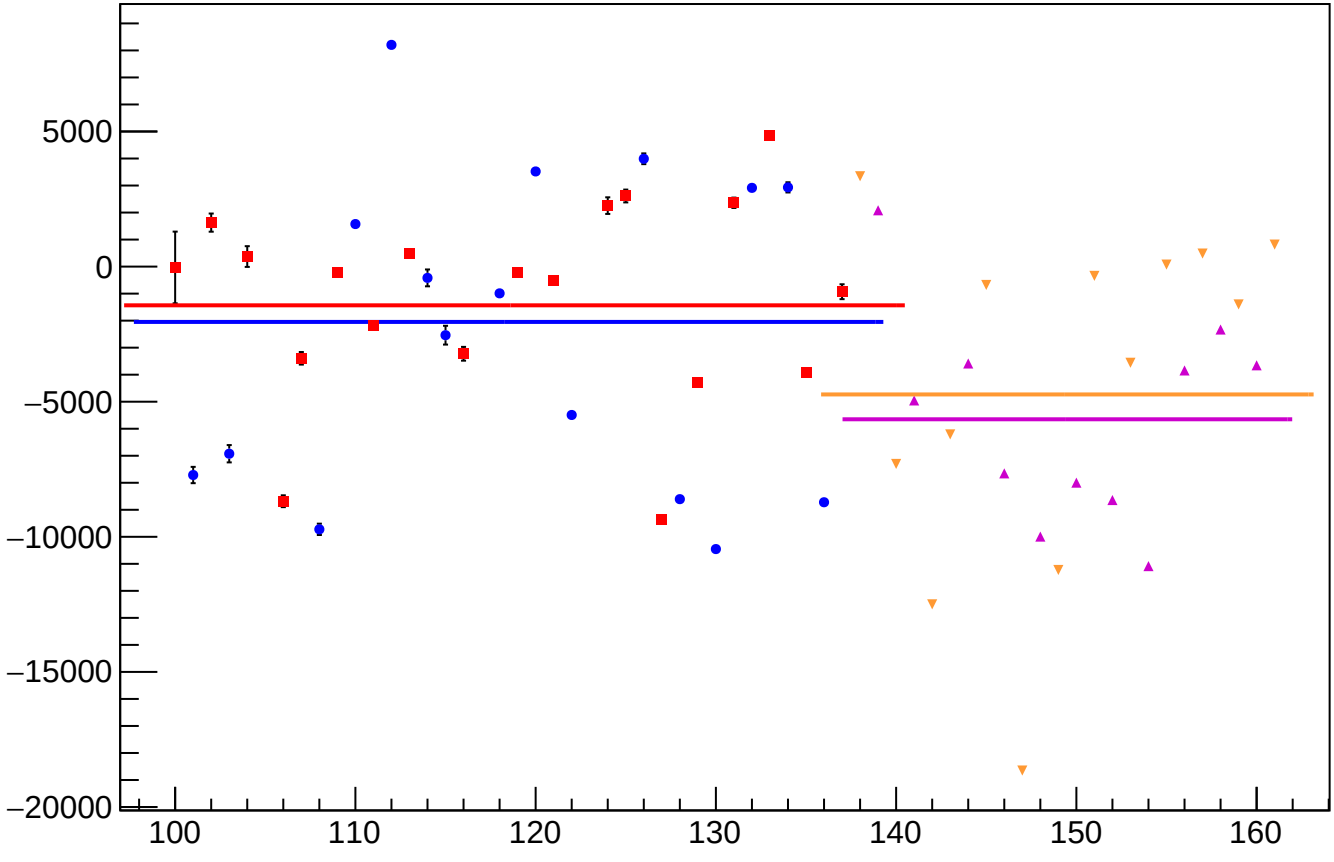
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.505+/-0.039 χ^2/NDF:997644.5/26

Out: 223.446+/-0.039 χ^2/NDF:1468108.3/31

All: 219.974+/-0.027 χ^2/NDF: 2481845.4/58

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4731.003+/-36.760 χ^2/NDF:29657.4/12

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5650.559+/-38.489 χ^2/NDF:9212.2/10

Left: -5169.664+/-26.584 χ^2/NDF: 39168.2/23

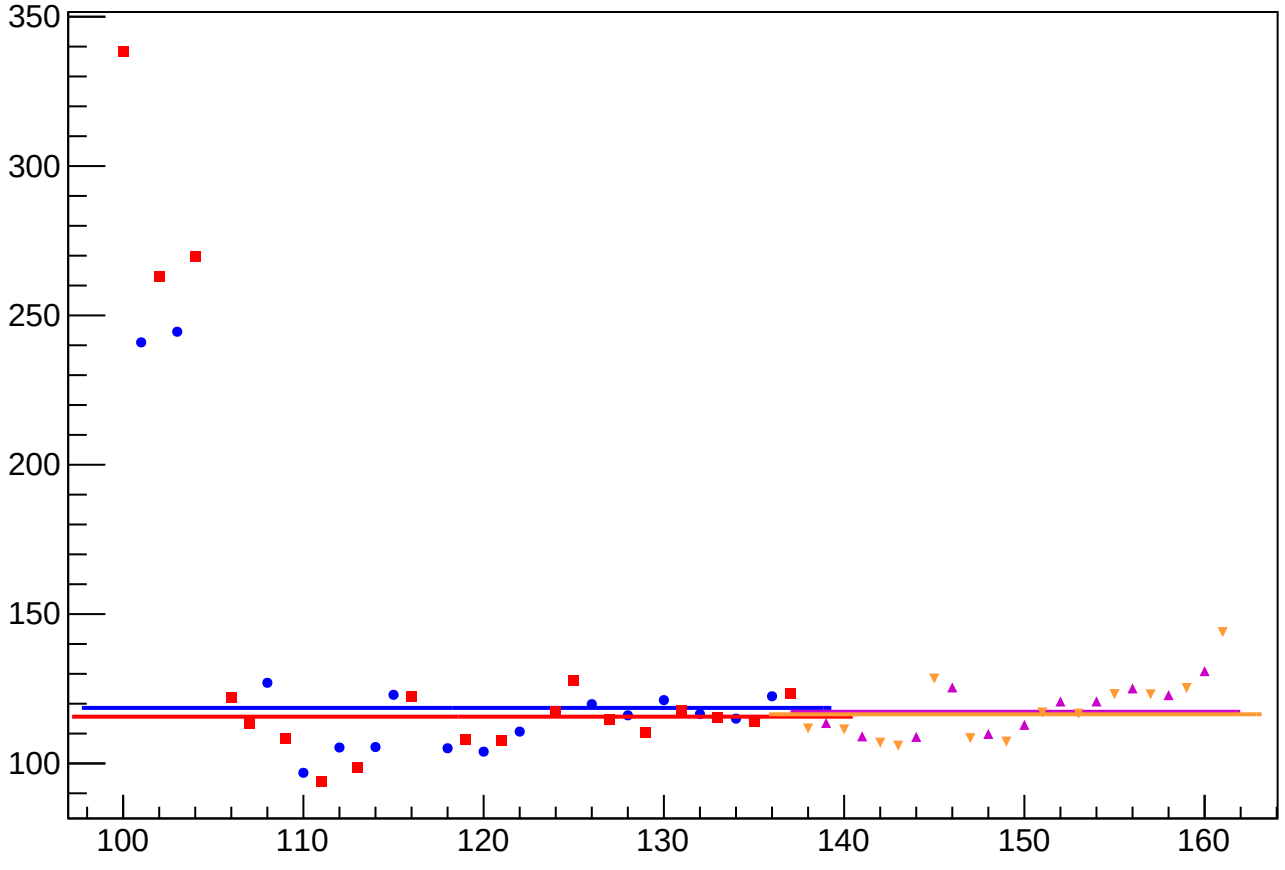
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4193.826+/-29.707 χ^2/NDF:29464.6/26

Out: -3401.421+/-28.400 χ^2/NDF:39290.3/31

All: -3779.805+/-20.528 χ^2/NDF: 69126.6/58

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 116.455+/-0.026 χ^2/NDF:139521.8/12

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

Left: 116.854+/-0.019 χ^2/NDF: 210005.6/23

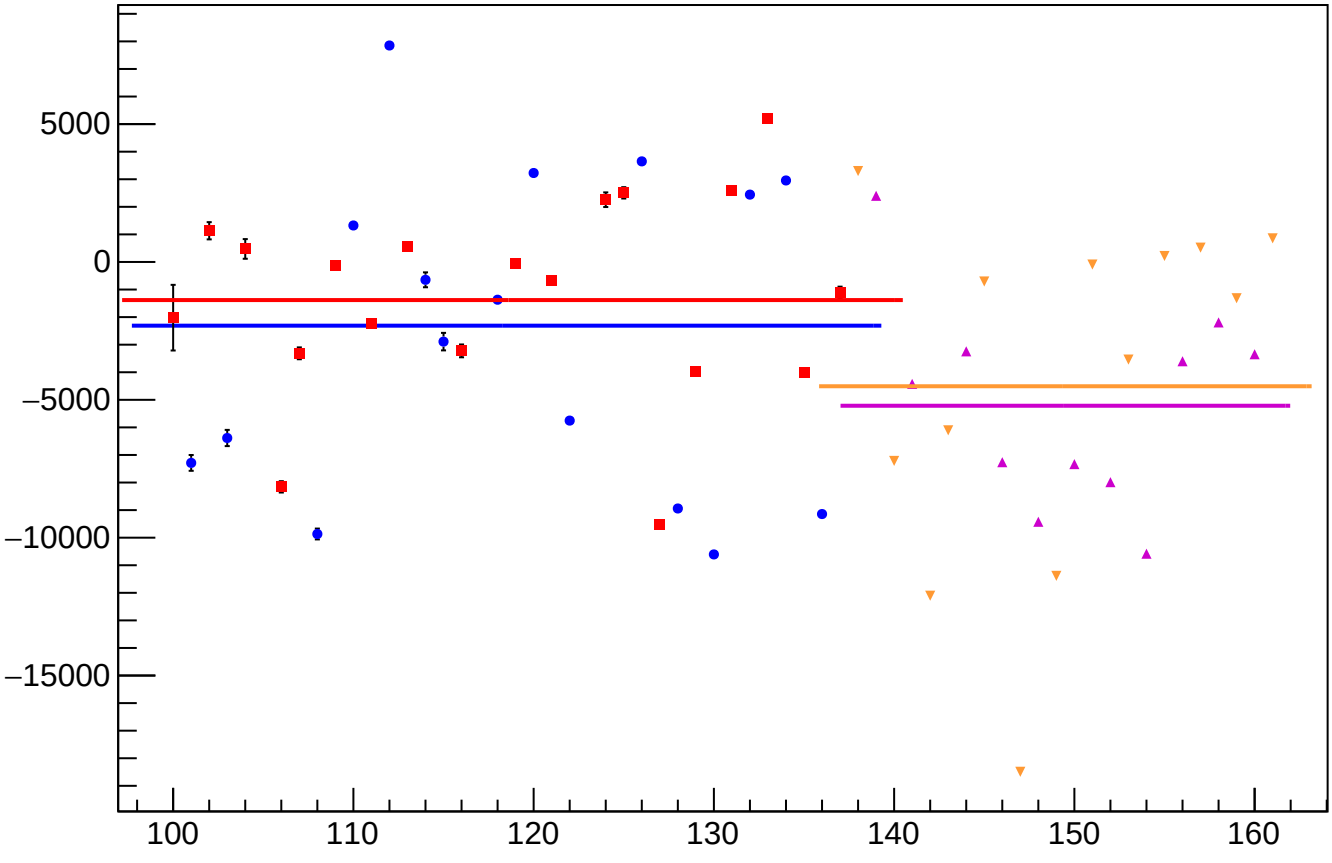
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.818+/-0.021 χ^2/NDF:805079.9/26

Out: 116.135+/-0.020 χ^2/NDF:1004106.0/31

All: 116.939+/-0.015 χ^2/NDF: 1812542.6/58

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4507.998+/-32.988 χ^2/NDF:35835.7/12

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5214.795+/-34.536 χ^2/NDF:10901.7/10

Left: -4845.193+/-23.854 χ^2/NDF: 46956.4/23

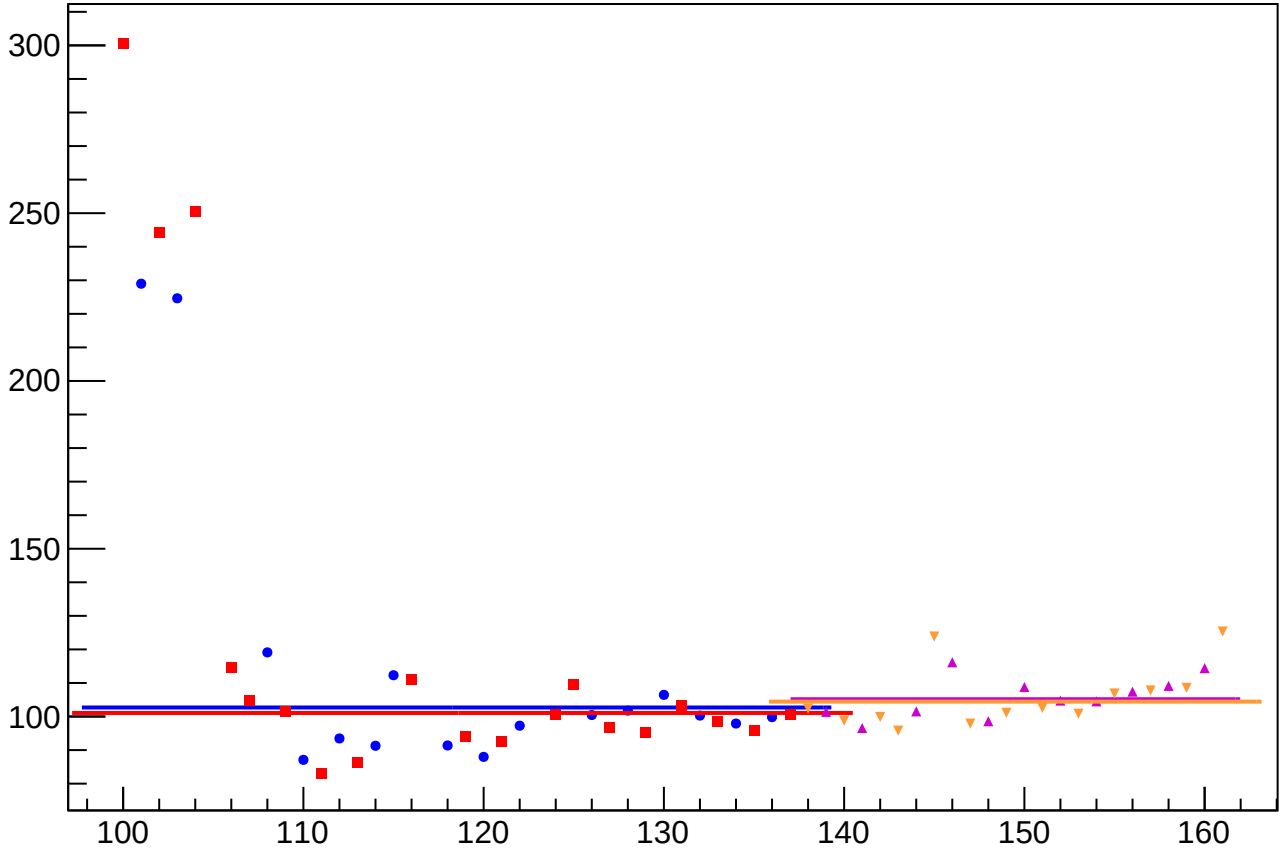
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4000.221+/-26.343 χ^2/NDF:35538.5/26

Out: -3217.593+/-25.278 χ^2/NDF:48121.3/31

All: -3592.766+/-18.239 χ^2/NDF: 84119.3/58

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 104.441+/-0.023 χ^2/NDF:120027.4/12

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 105.157+/-0.024 χ^2/NDF:56703.1/10

Left: 104.782+/-0.017 χ^2/NDF: 177179.9/23

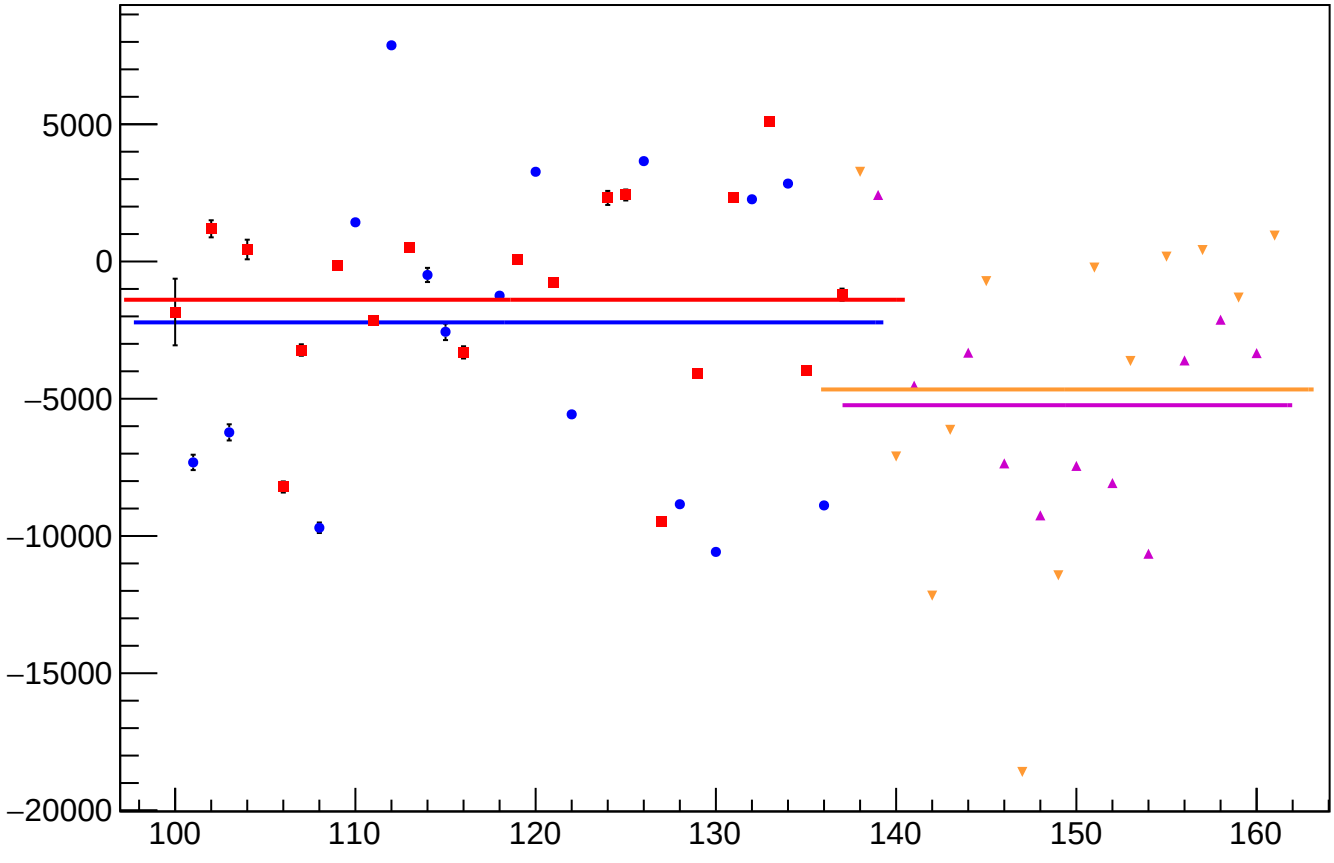
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 104.127+/-0.019 χ^2/NDF:886758.3/26

Out: 103.046+/-0.018 χ^2/NDF:1059140.7/31

All: 103.564+/-0.013 χ^2/NDF: 1947649.6/58

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4661.519+/-32.231 χ^2/NDF:38675.6/12

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5235.726+/-33.703 χ^2/NDF:11530.4/10

Left: -4935.813+/-23.294 χ^2/NDF: 50357.6/23

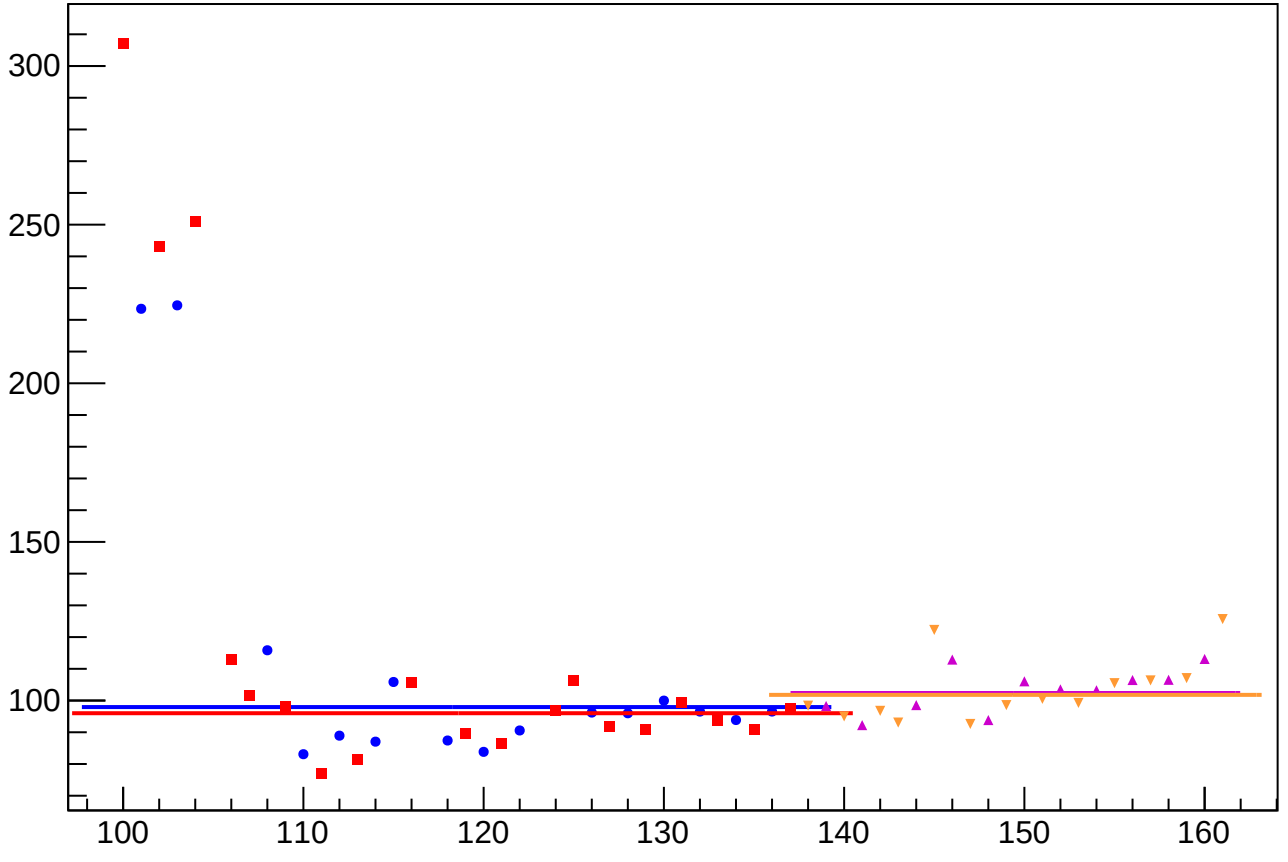
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3947.065+/-25.511 χ^2/NDF:37994.7/26

Out: -3276.453+/-24.465 χ^2/NDF:52184.8/31

All: -3597.732+/-17.658 χ^2/NDF: 90539.4/58

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 101.790+/-0.023 χ^2/NDF:155472.1/12

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 102.374+/-0.024 χ^2/NDF:76547.8/10

Left: 102.069+/-0.016 χ^2/NDF: 232333.6/23

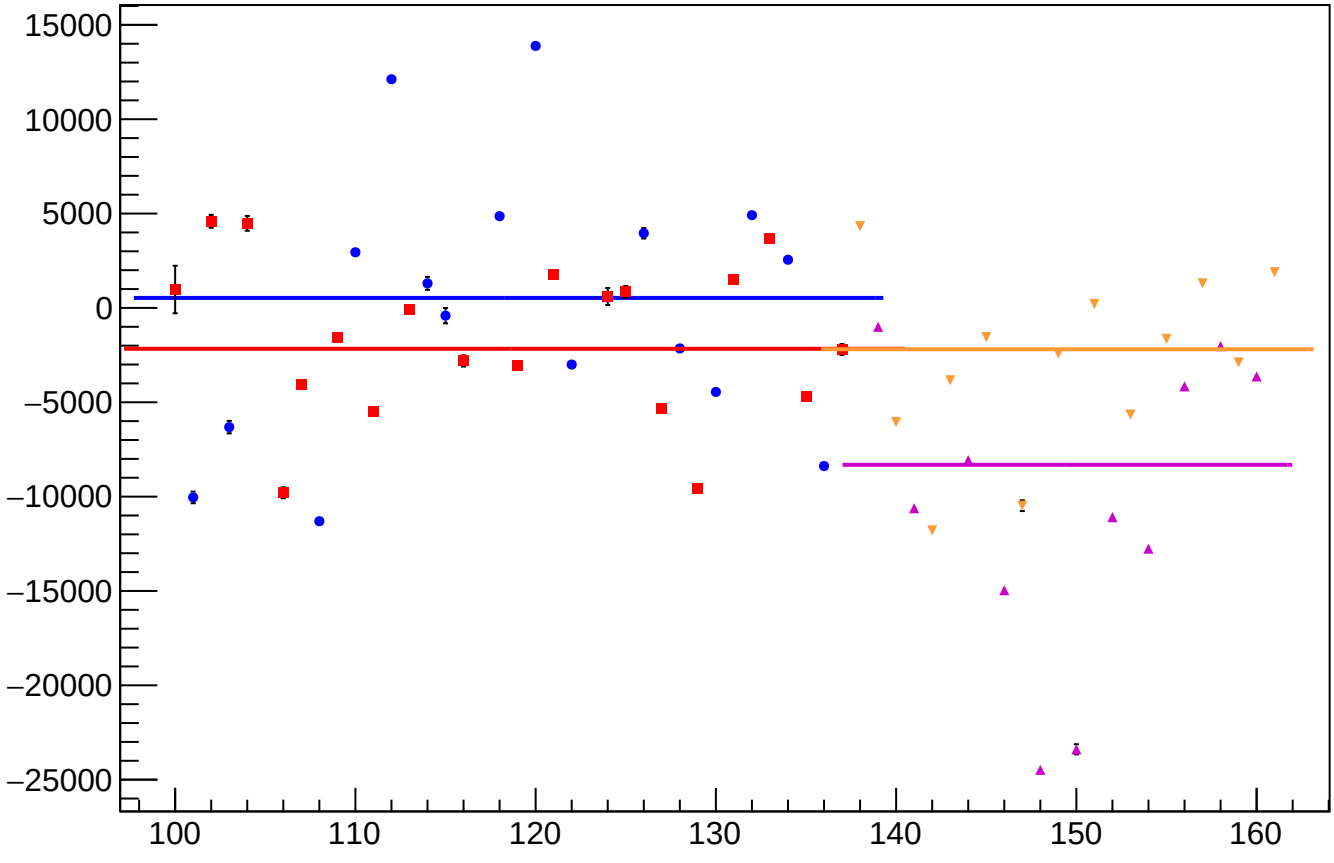
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 100.482+/-0.018 χ^2/NDF:959456.8/26

Out: 99.338+/-0.017 χ^2/NDF:1195070.6/31

All: 99.886+/-0.012 χ^2/NDF: 2156622.9/58

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2189.721+/-48.143 χ^2/NDF:6874.0/12

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8315.245+/-51.845 χ^2/NDF:14733.4/10

Left: -5025.984+/-35.278 χ^2/NDF: 29103.4/23

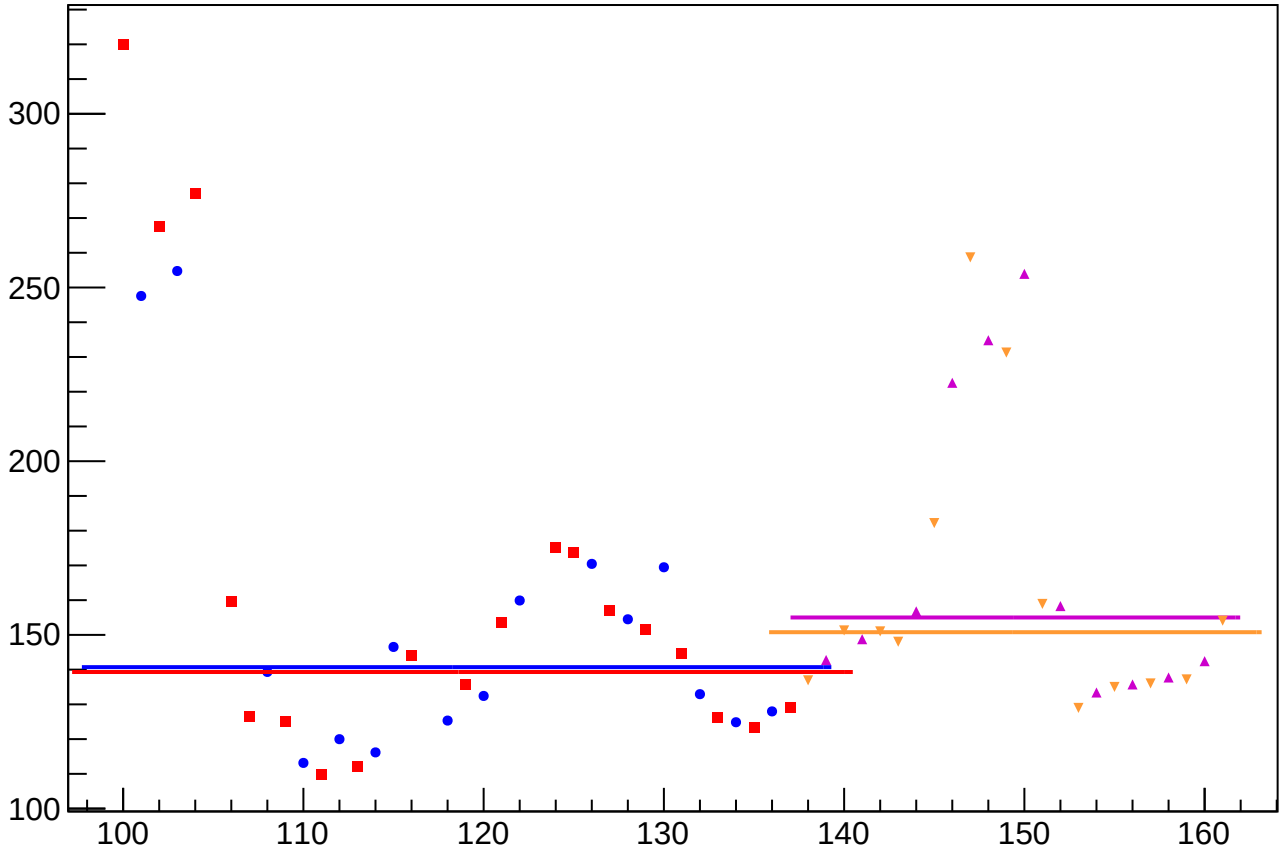
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4141.642+/-37.679 χ^2/NDF:47056.1/26

Out: -2178.648+/-35.774 χ^2/NDF:11841.3/31

All: -3109.271+/-25.943 χ^2/NDF: 60324.9/58

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 150.777+/-0.034 χ^2/NDF:660280.8/12

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 155.012+/-0.037 χ^2/NDF:755046.8/10

Left: 152.738+/-0.025 χ^2/NDF: 1422492.1/23

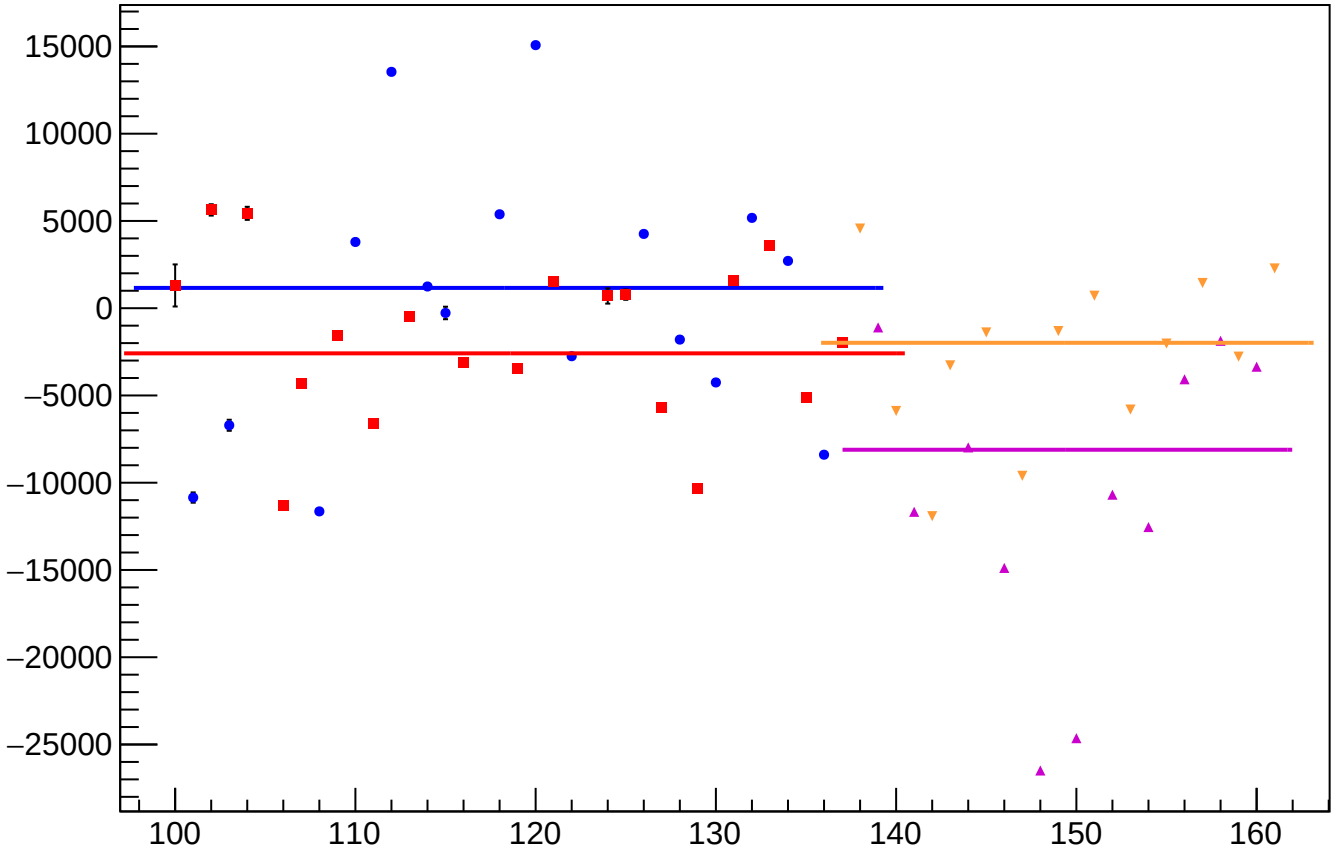
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.266+/-0.027 χ^2/NDF:1502417.3/26

Out: 145.645+/-0.025 χ^2/NDF:1513348.1/31

All: 146.888+/-0.018 χ^2/NDF: 3020856.6/58

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1982.310+/-42.313 χ^2/NDF:9102.1/12

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8111.078+/-45.620 χ^2/NDF:19778.7/10

Left: -4816.568+/-31.023 χ^2/NDF: 38582.6/23

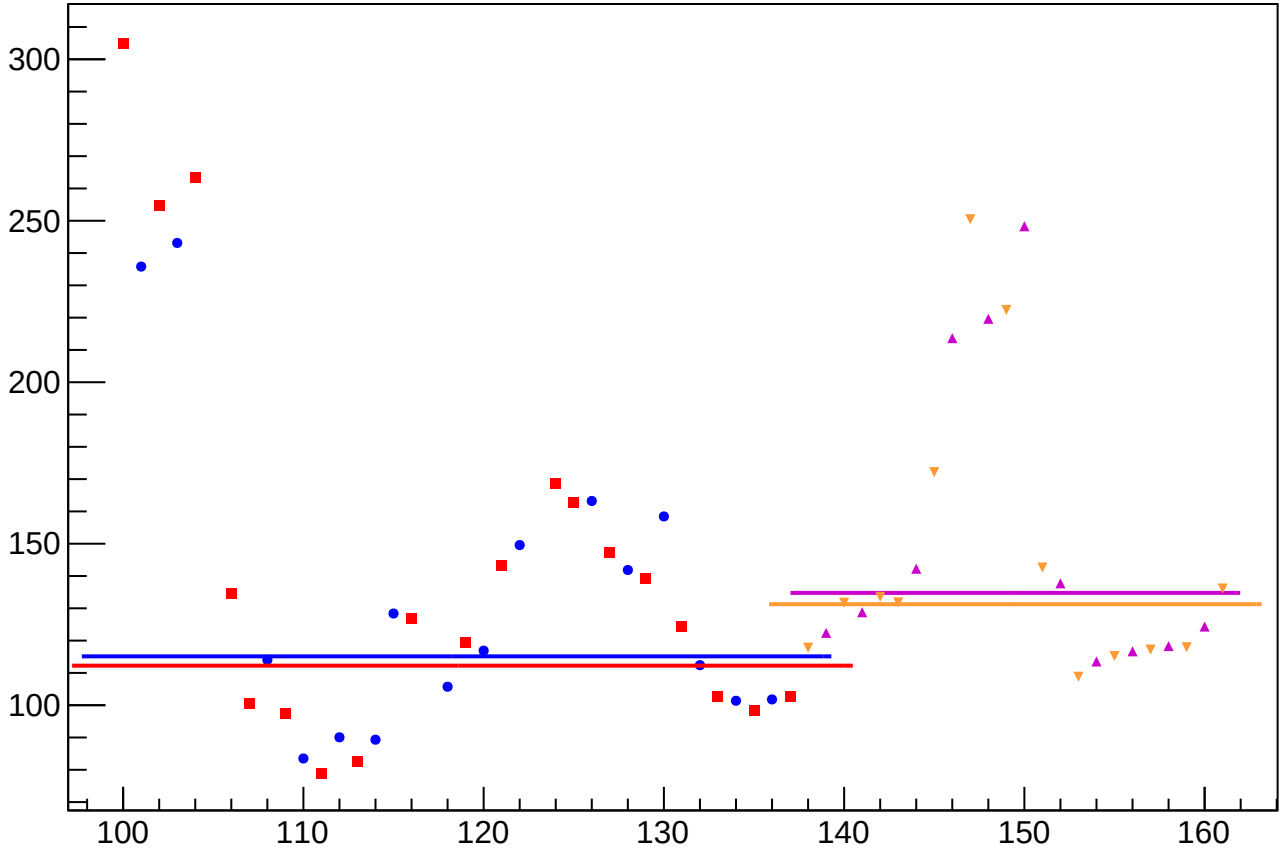
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3505.472+/-32.367 χ^2/NDF:71056.3/26

Out: -2270.974+/-30.584 χ^2/NDF:17299.2/31

All: -2853.280+/-22.230 χ^2/NDF: 89124.1/58

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 131.268+/-0.030 χ^2/NDF:917210.0/12

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 134.770+/-0.032 χ^2/NDF:1020894.3/10

Left: 132.888+/-0.022 χ^2/NDF: 1944436.7/23

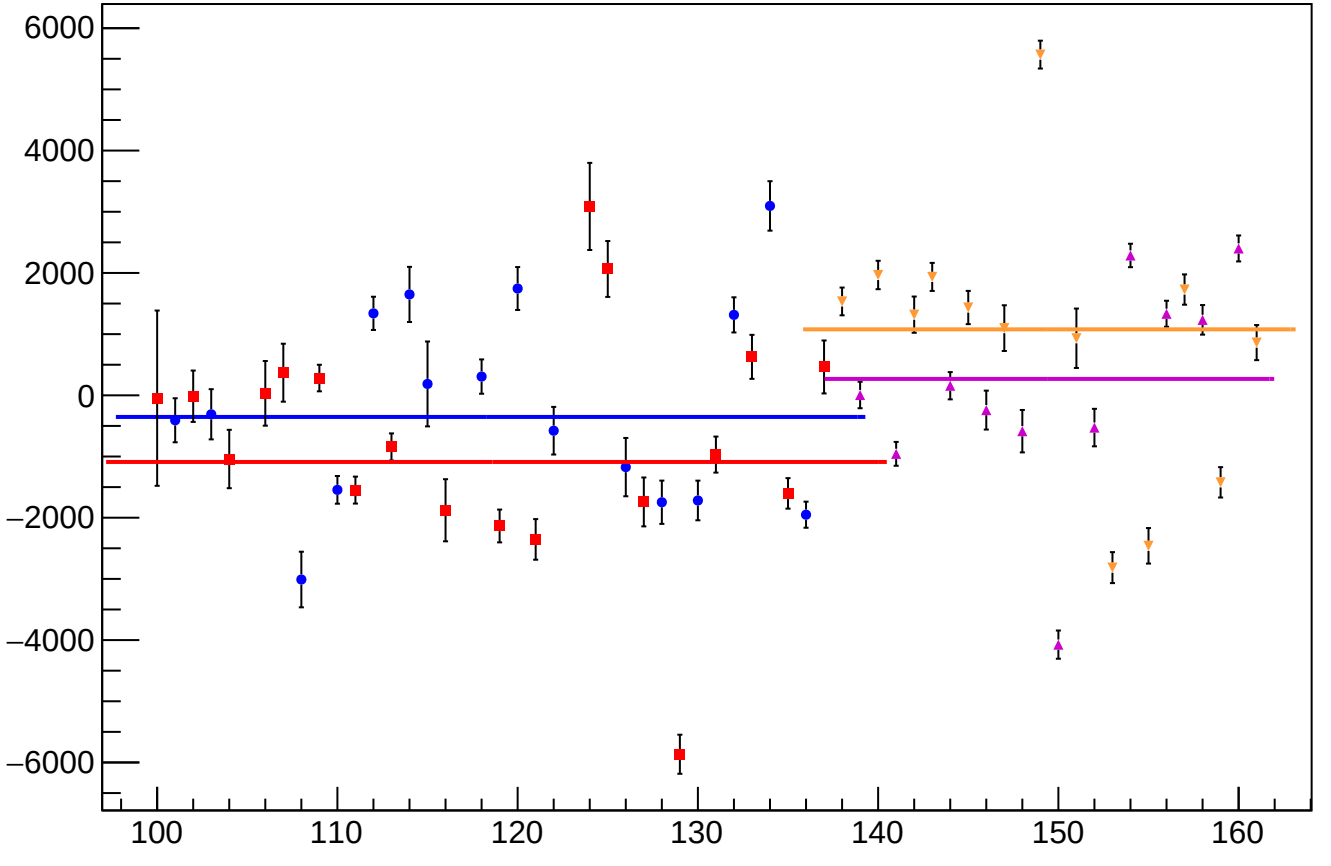
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 125.014+/-0.023 χ^2/NDF:2318045.8/26

Out: 122.182+/-0.022 χ^2/NDF:2438500.3/31

All: 123.518+/-0.016 χ^2/NDF: 4764637.8/58

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1078.228+/-73.549 χ^2/NDF:917.8/12

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 268.191+/-70.001 χ^2/NDF:663.8/10

Left: 653.199+/-50.706 χ^2/NDF: 1645.2/23

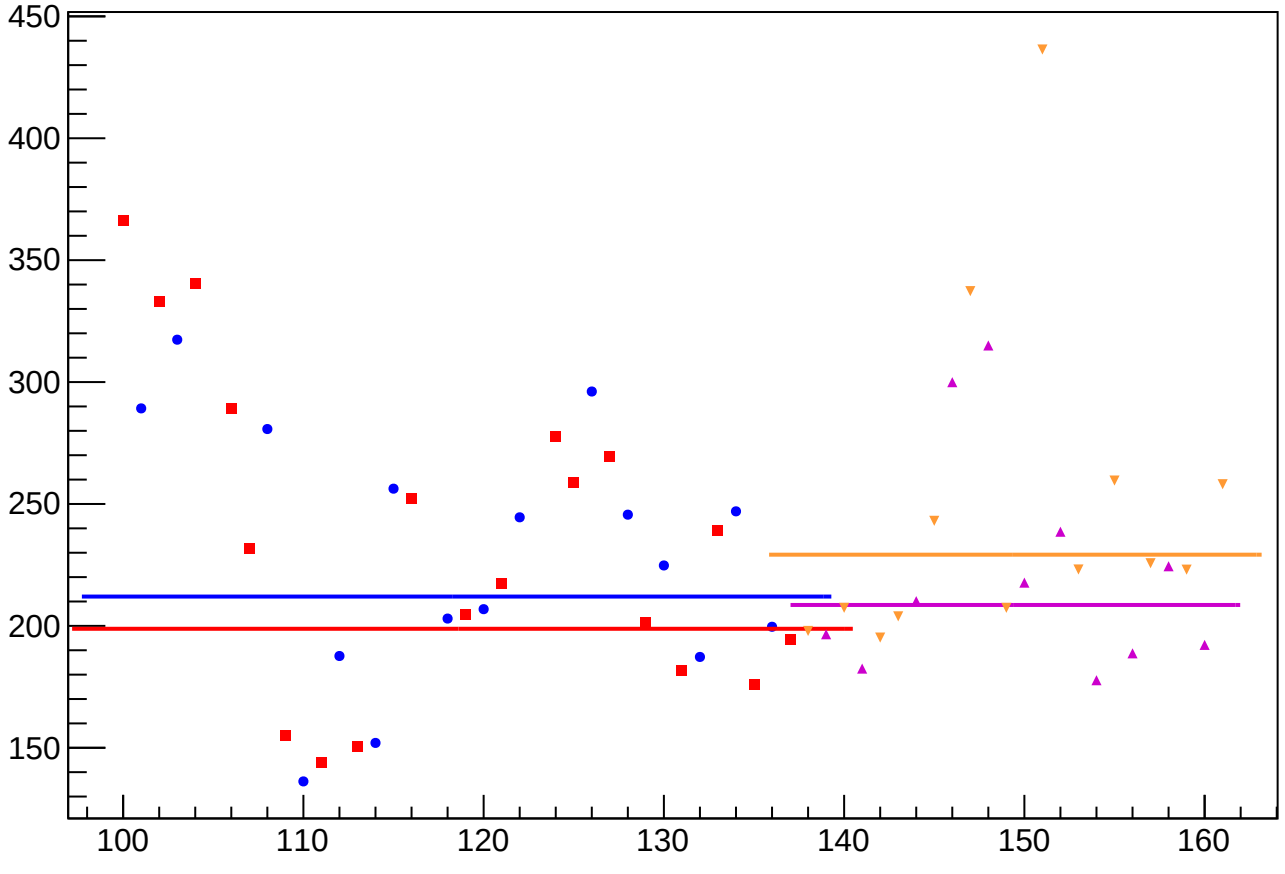
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 6.777+/-53.277 χ^2/NDF:1058.8/26

Out: 36.545+/-53.001 χ^2/NDF:1782.2/31

All: 21.738+/-37.574 χ^2/NDF: 2841.2/58

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 229.203+/-0.052 χ^2/NDF:706736.7/12

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 208.579+/-0.049 χ^2/NDF:507761.9/10

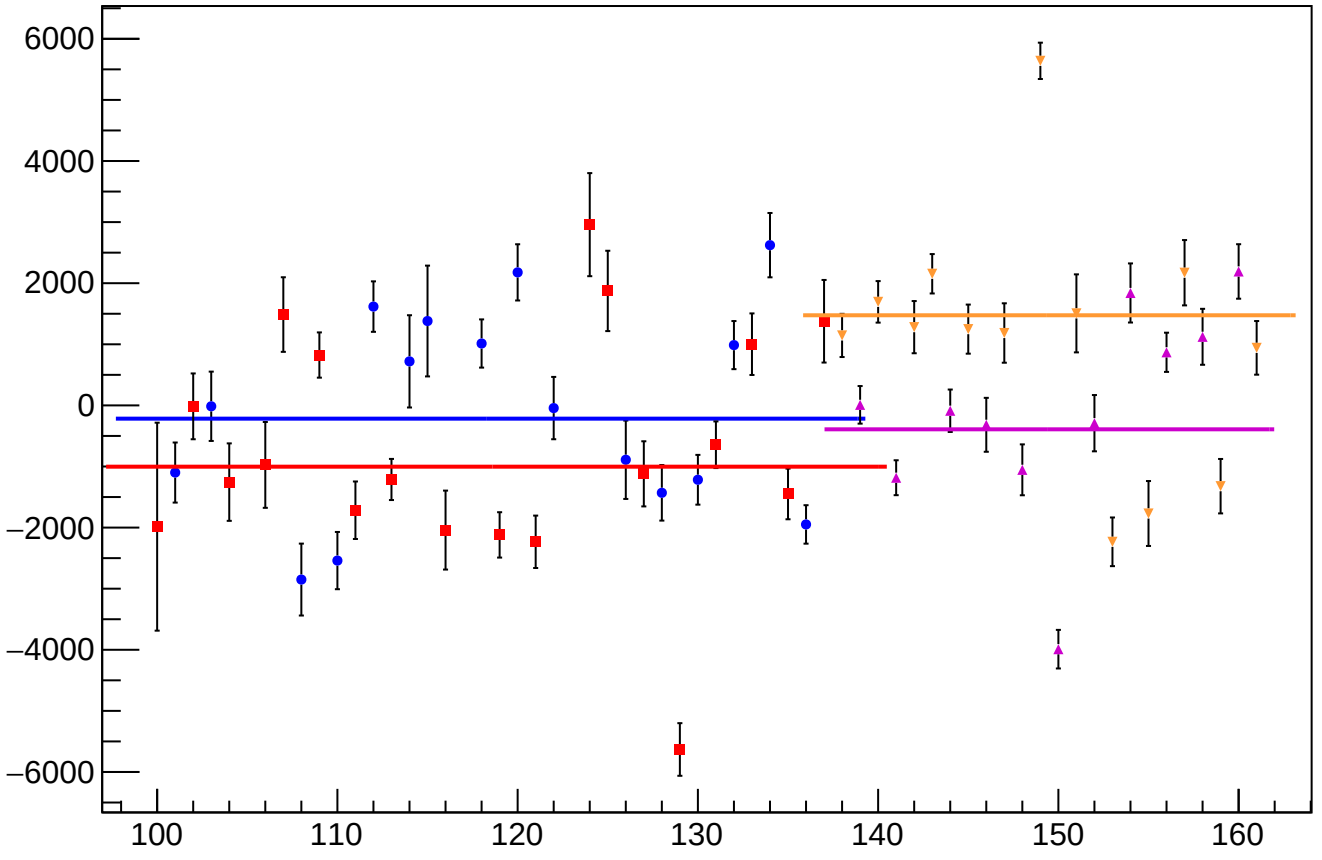
Left: 218.382+/-0.036 χ^2/NDF: 1297011.4/23

Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 210.030+/-0.038 χ^2/NDF:1200161.6/26

Out: 214.593+/-0.037 χ^2/NDF:1845846.3/31

All: 212.323+/-0.027 χ^2/NDF: 3053379.6/58



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1475.087+/-112.143 χ^2/NDF:369.3/12

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -391.514+/-111.427 χ^2/NDF:223.8/10

Left: 535.803+/-79.043 χ^2/NDF: 732.5/23

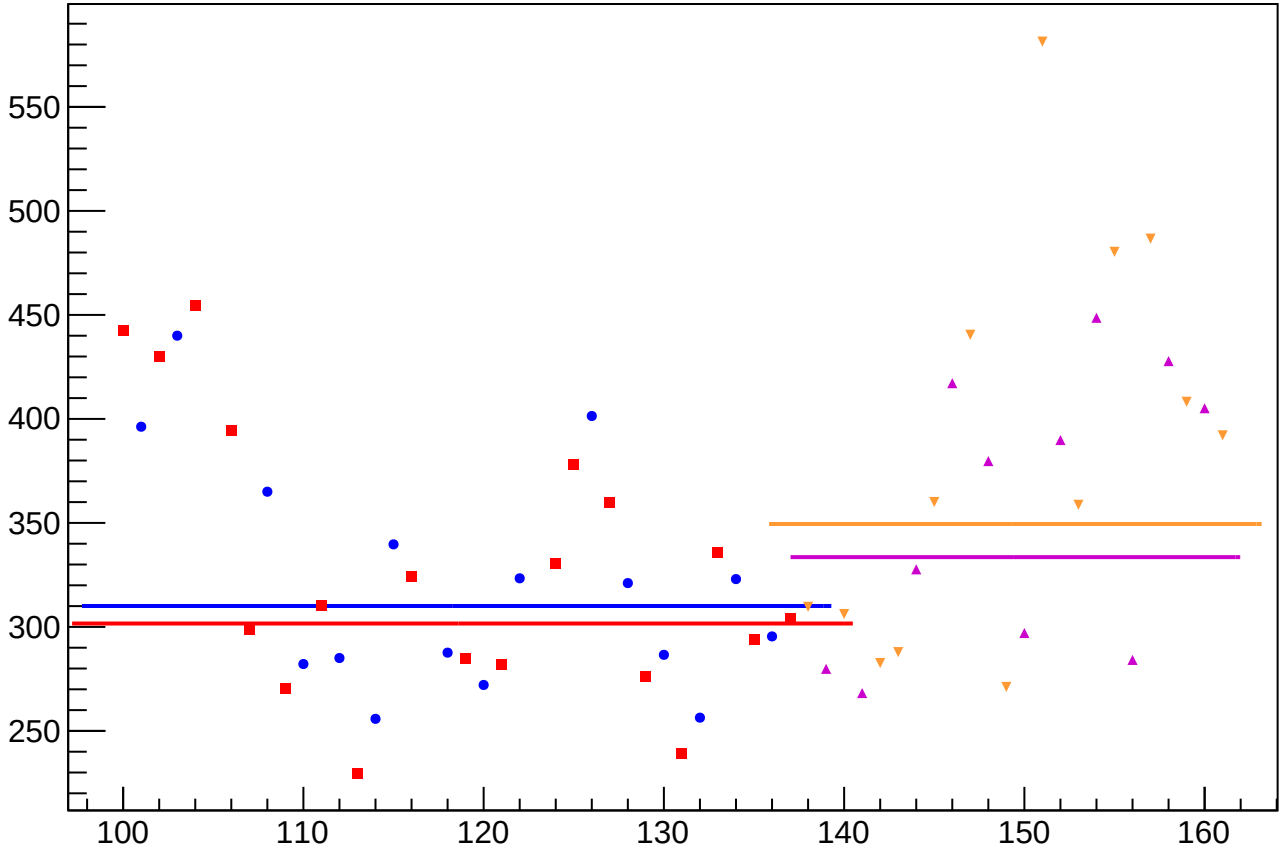
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -309.146+/-80.978 χ^2/NDF:417.1/26

Out: 246.663+/-79.637 χ^2/NDF:865.7/31

All: -26.601+/-56.780 χ^2/NDF: 1306.8/58

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 349.474+/-0.079 χ^2/NDF:961594.1/12

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 333.550+/-0.079 χ^2/NDF:615978.0/10

Left: 341.461+/-0.056 χ^2/NDF: 1597864.8/23

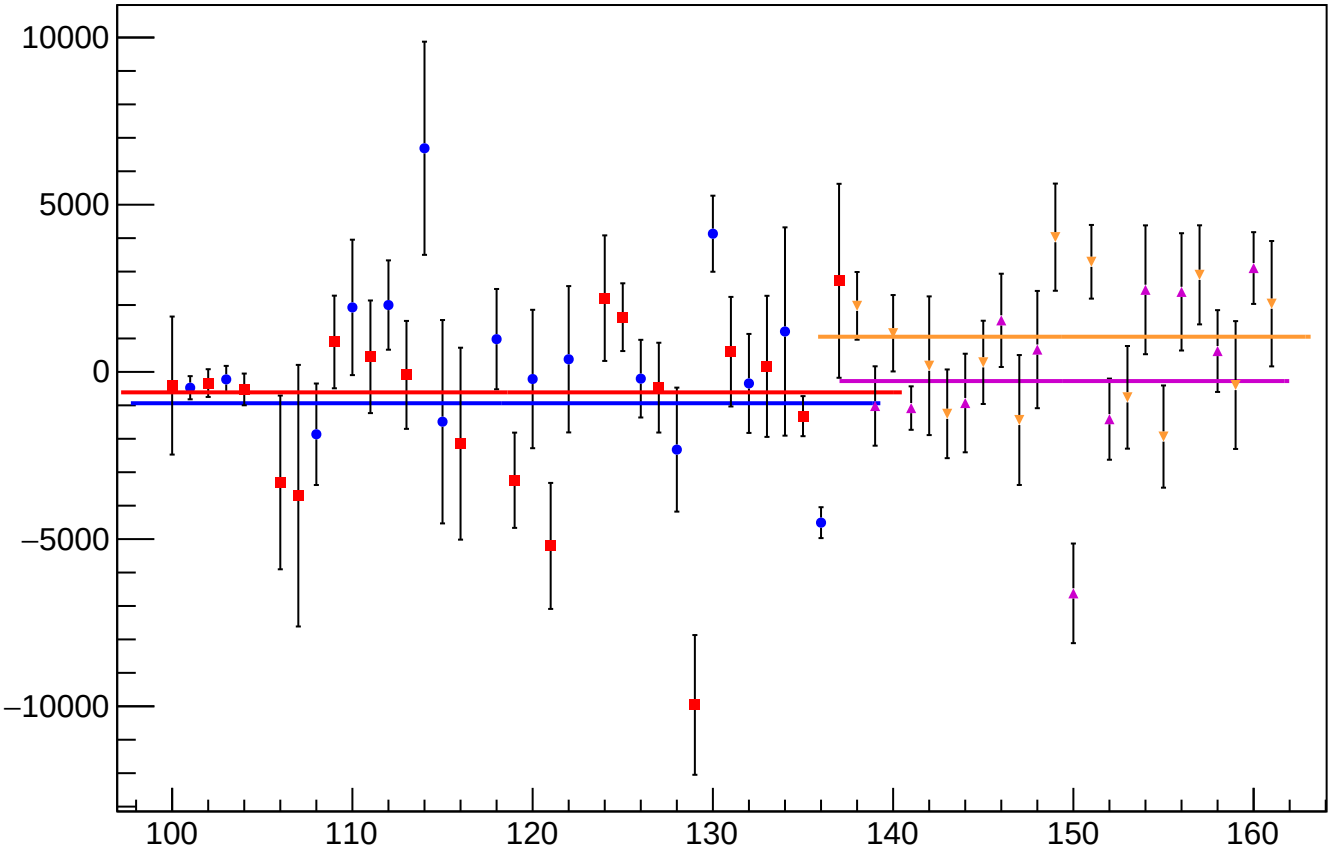
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 322.467+/-0.057 χ^2/NDF:981193.0/26

Out: 325.761+/-0.056 χ^2/NDF:1661881.6/31

All: 324.141+/-0.040 χ^2/NDF: 2644756.7/58

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1052.139+/-391.256 χ^2/NDF:21.3/12

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -273.900+/-361.848 χ^2/NDF:37.9/10

Left: 337.417+/-265.654 χ^2/NDF: 65.4/23

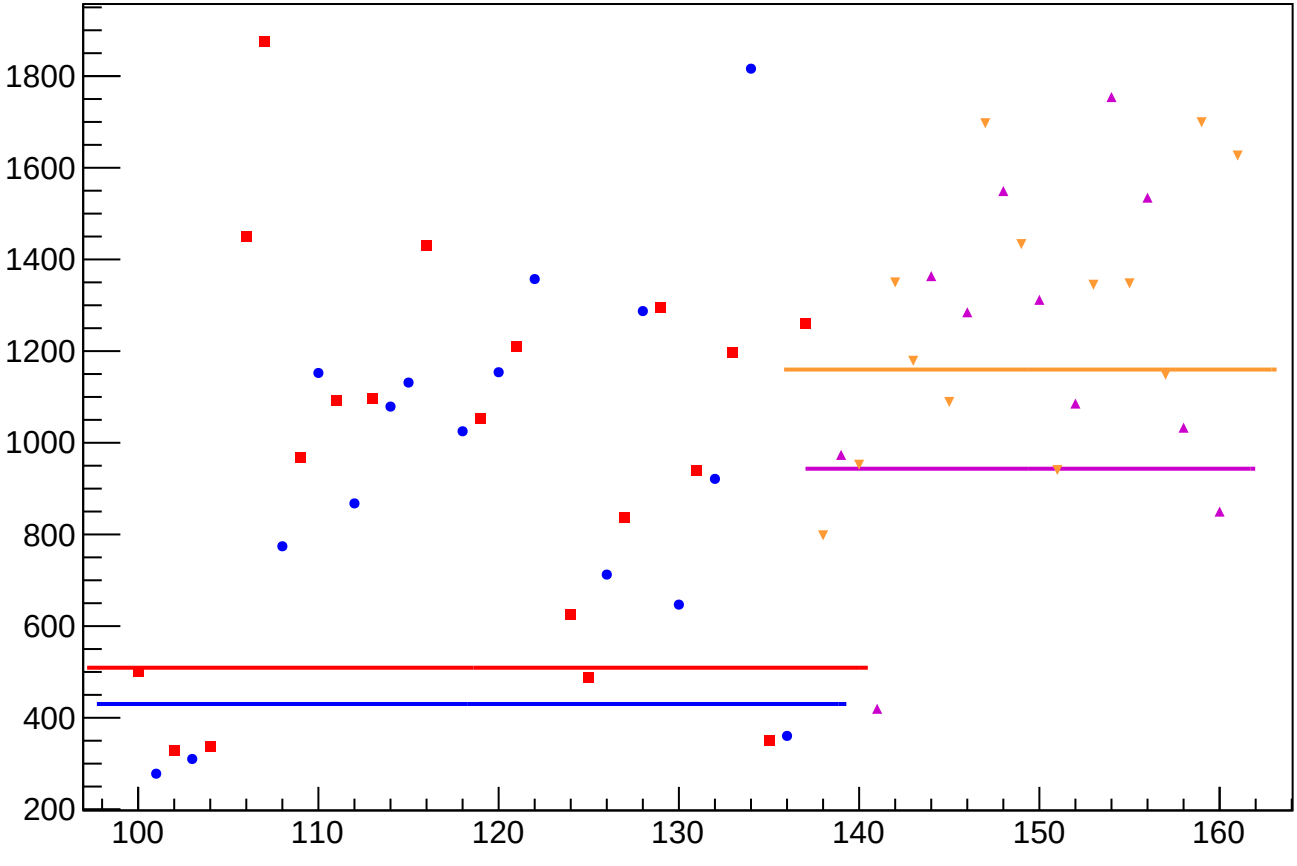
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -776.181+/-178.178 χ^2/NDF:141.7/26

Out: -175.690+/-200.282 χ^2/NDF:78.7/31

All: -510.889+/-133.123 χ^2/NDF: 225.4/58

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1159.759+/-0.277 χ^2/NDF:978397.3/12

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 943.418+/-0.256 χ^2/NDF:2578092.4/10

Left: 1043.153+/-0.188 χ^2/NDF: 3886073.5/23

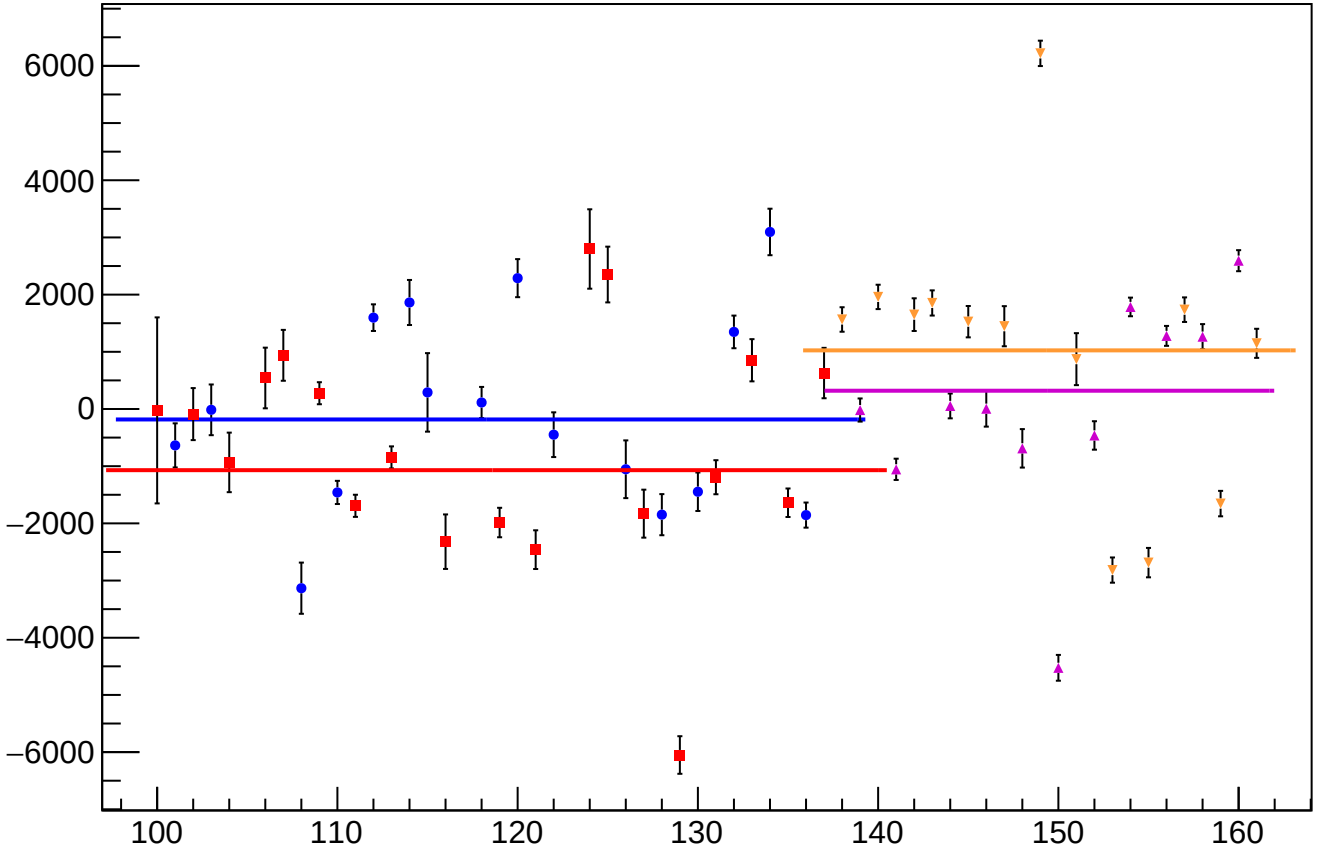
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 554.571+/-0.126 χ^2/NDF:9148785.2/26

Out: 679.697+/-0.142 χ^2/NDF:8731891.8/31

All: 609.851+/-0.094 χ^2/NDF: 18316423.3/58

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1025.138+/-67.992 χ^2/NDF:1265.1/12

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 319.469+/-63.207 χ^2/NDF:822.4/10

Left: 646.602+/-46.293 χ^2/NDF: 2145.3/23

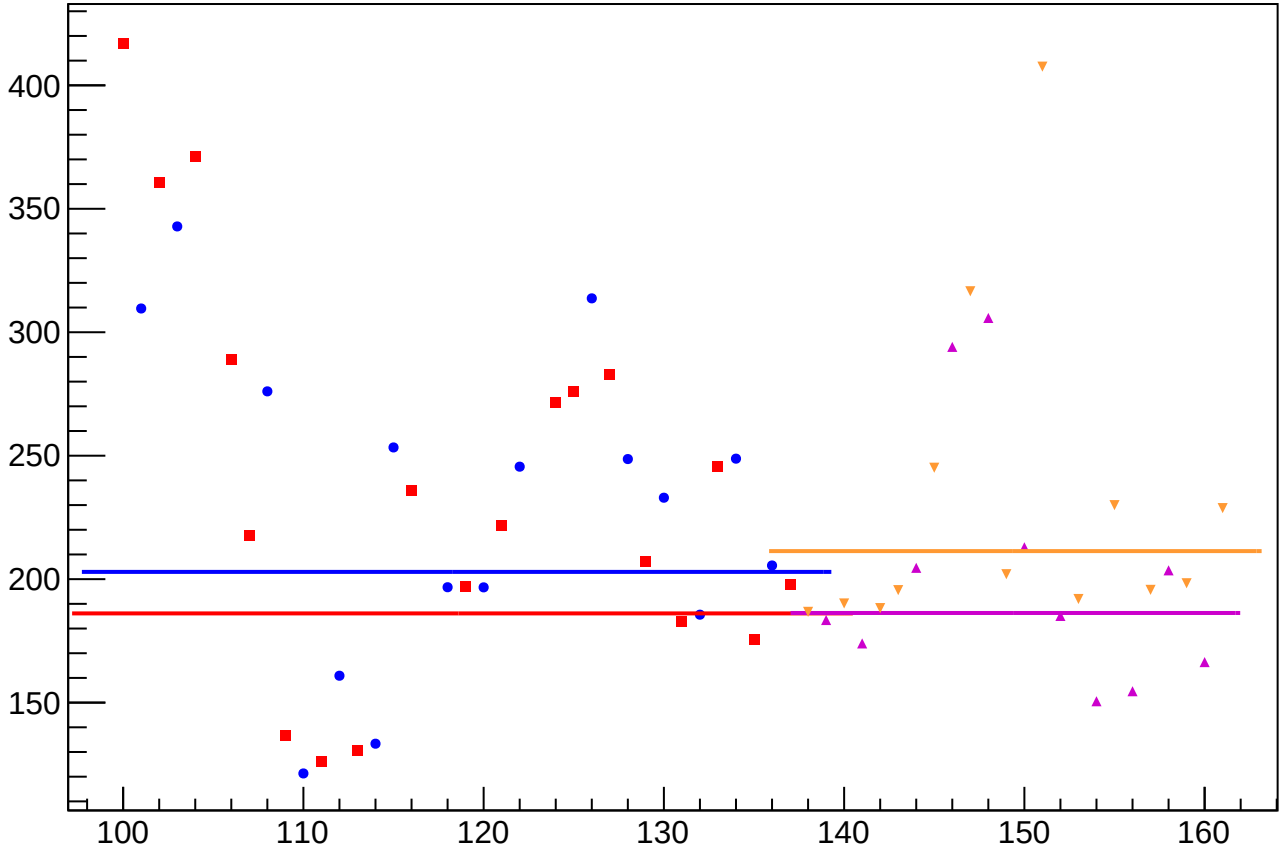
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 125.943+/-49.563 χ^2/NDF:1264.5/26

Out: 52.886+/-49.773 χ^2/NDF:2198.0/31

All: 89.569+/-35.120 χ^2/NDF: 3463.5/58

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.361+/-0.048 χ^2/NDF:709106.6/12

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 186.302+/-0.045 χ^2/NDF:738351.2/10

Left: 197.918+/-0.033 χ^2/NDF: 1593190.2/23

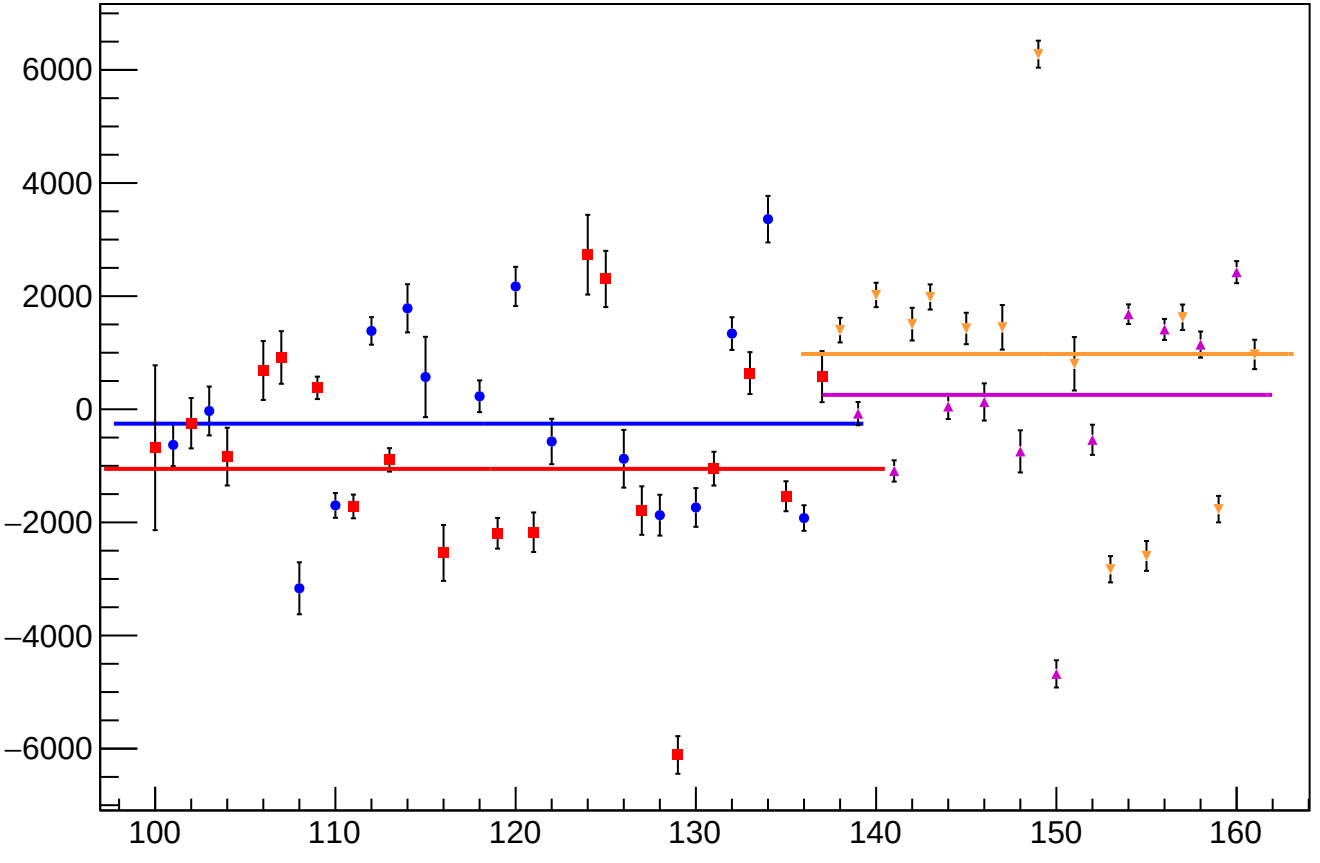
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 192.710+/-0.035 χ^2/NDF:1863593.9/26

Out: 199.650+/-0.035 χ^2/NDF:2318601.6/31

All: 196.166+/-0.025 χ^2/NDF: 4201720.7/58

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 977.496+/-70.411 χ^2/NDF:1144.4/12

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 254.388+/-66.367 χ^2/NDF:734.6/10

Left: 594.584+/-48.295 χ^2/NDF: 1934.8/23

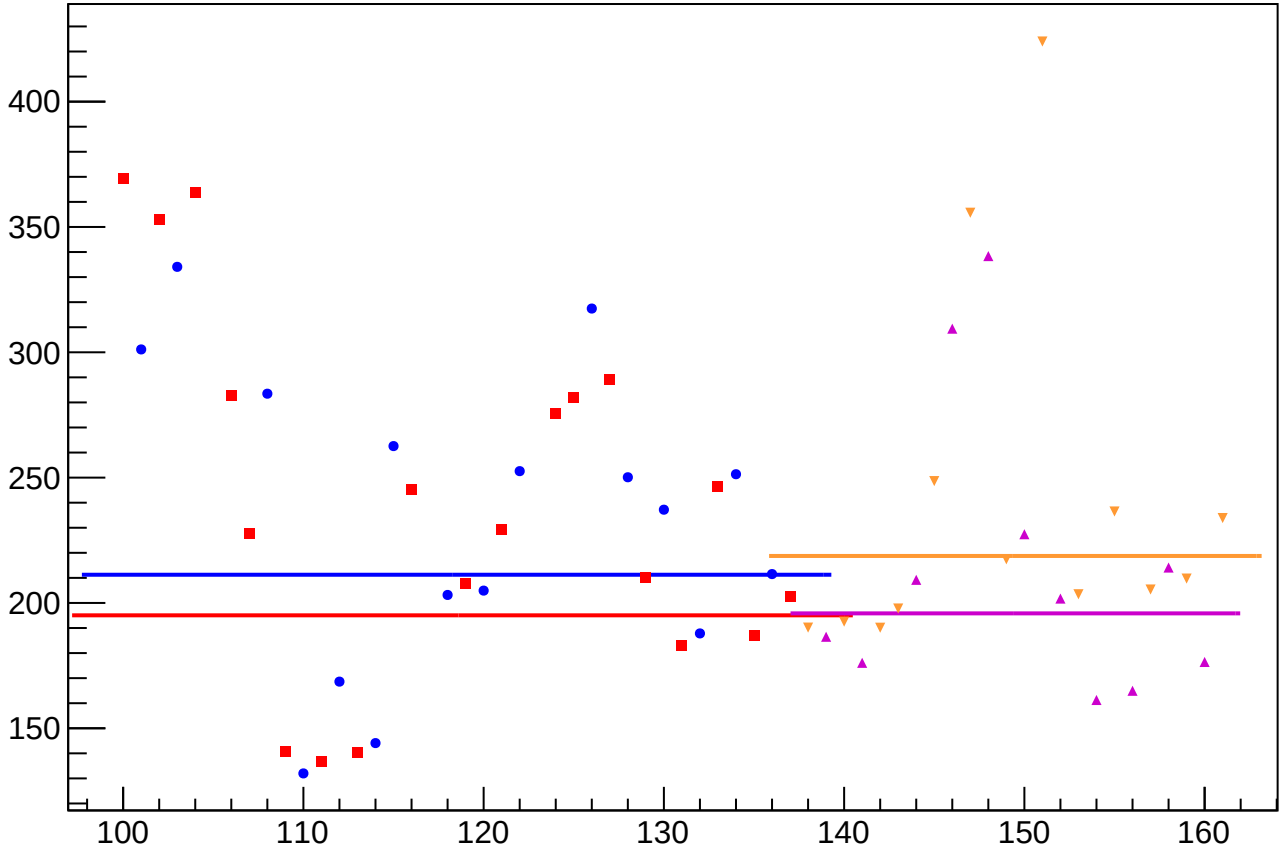
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 54.433+/-51.709 χ^2/NDF:1167.0/26

Out: 38.907+/-51.641 χ^2/NDF:2006.6/31

All: 46.660+/-36.540 χ^2/NDF: 3173.6/58

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.747+/-0.050 χ^2/NDF:777717.2/12

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 195.842+/-0.047 χ^2/NDF:766823.9/10

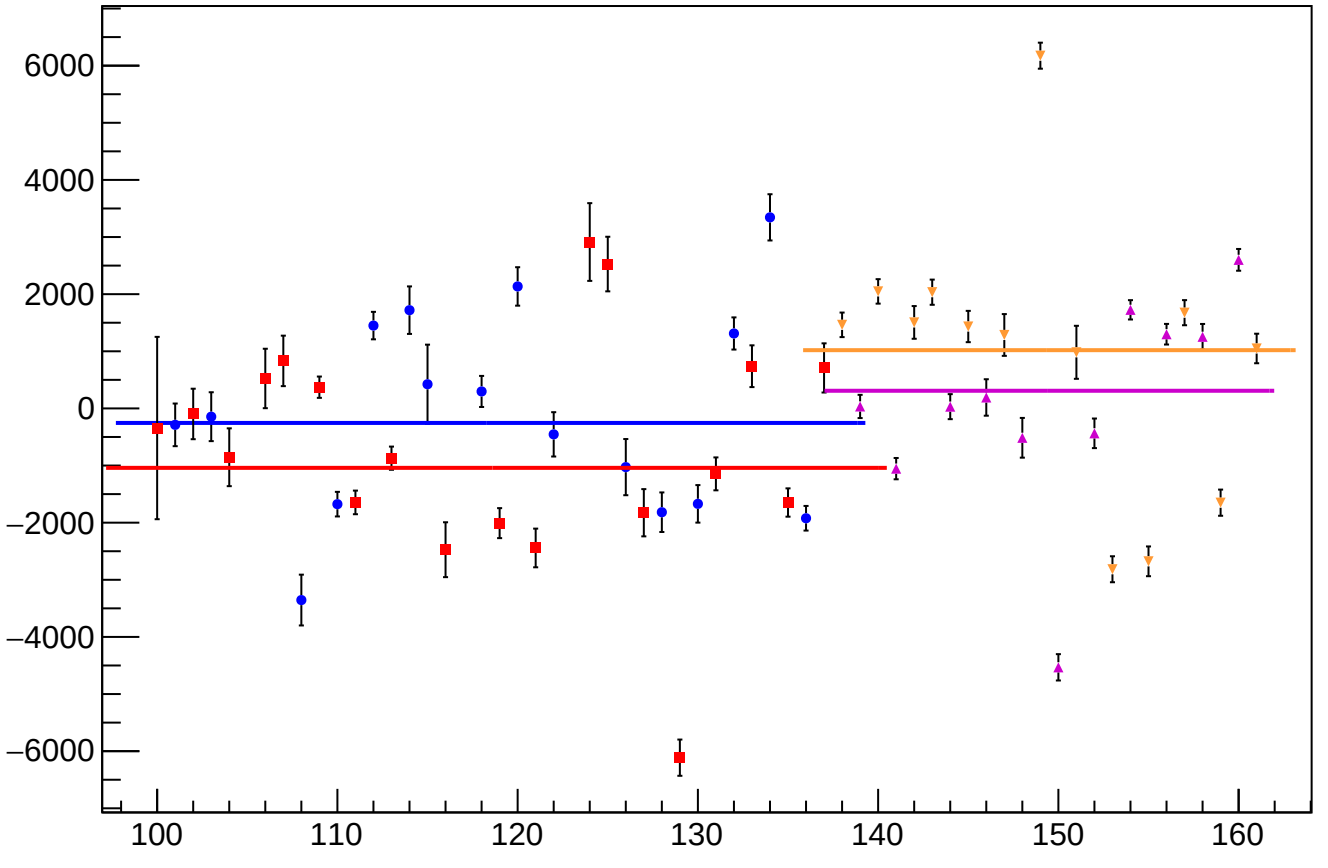
Left: 206.618+/-0.034 χ^2/NDF: 1656615.7/23

Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 201.898+/-0.037 χ^2/NDF:1693564.6/26

Out: 207.802+/-0.037 χ^2/NDF:2167179.4/31

All: 204.854+/-0.026 χ^2/NDF: 3873798.7/58



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1019.621+/-69.049 χ^2/NDF:1196.6/12

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 309.037+/-64.736 χ^2/NDF:774.4/10

Left: 641.444+/-47.226 χ^2/NDF: 2027.4/23

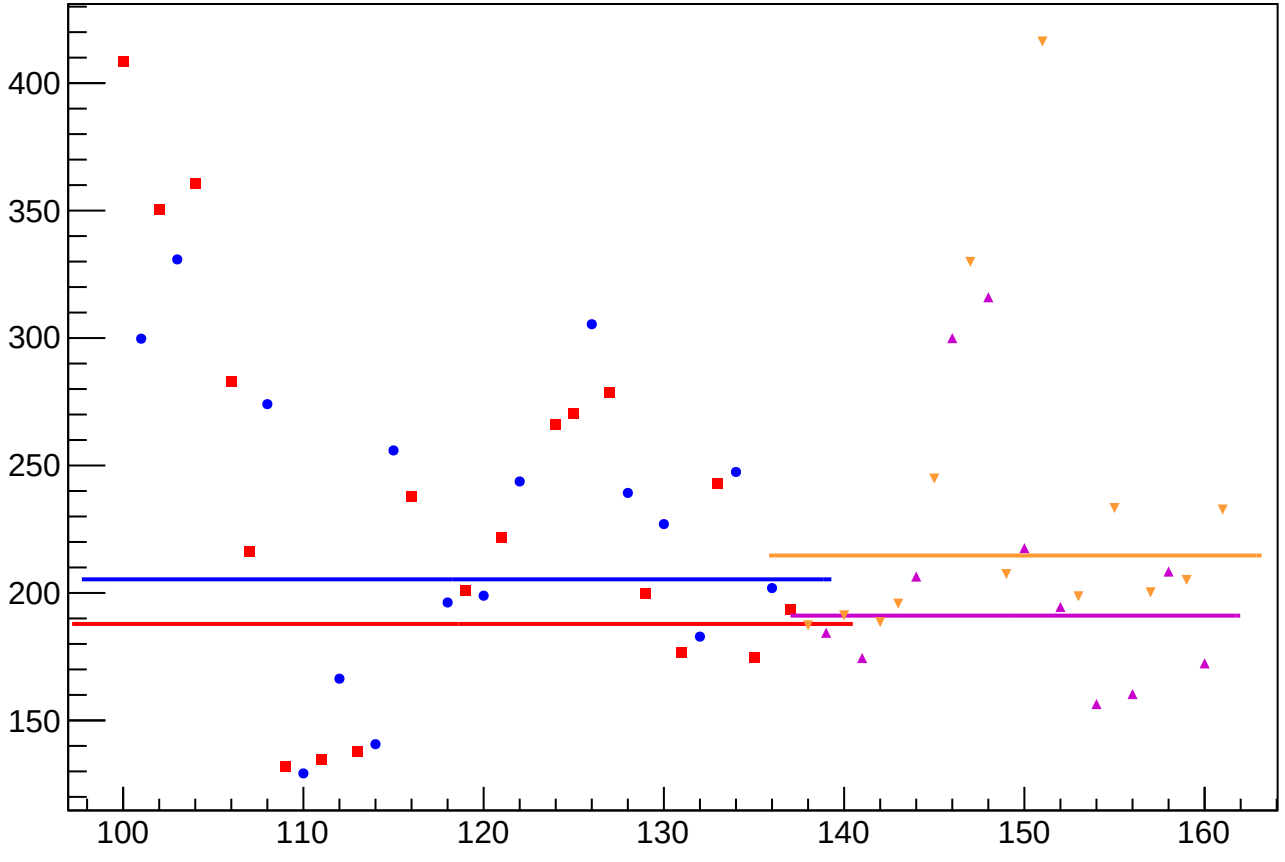
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 86.974+/-50.379 χ^2/NDF:1236.3/26

Out: 51.974+/-50.281 χ^2/NDF:2148.0/31

All: 69.440+/-35.589 χ^2/NDF: 3384.6/58

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.689+/-0.049 χ^2/NDF:732407.0/12

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 191.109+/-0.046 χ^2/NDF:718490.5/10

Left: 202.139+/-0.033 χ^2/NDF: 1575029.0/23

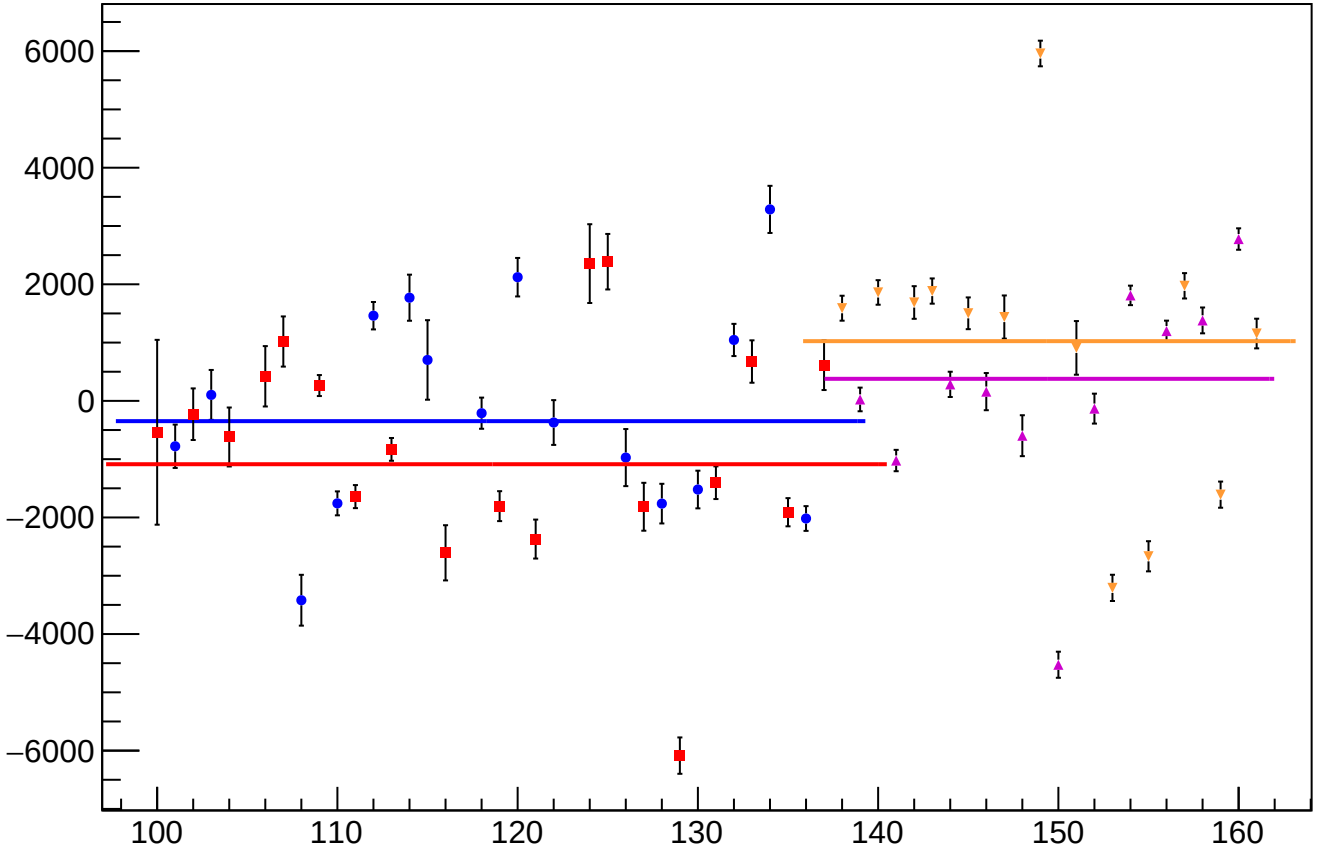
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 196.722+/-0.036 χ^2/NDF:1634014.7/26

Out: 202.081+/-0.036 χ^2/NDF:2211409.0/31

All: 199.406+/-0.025 χ^2/NDF: 3856762.0/58

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1024.510+/-68.093 χ^2/NDF:1266.0/12

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 378.310+/-63.814 χ^2/NDF:838.8/10

Left: 680.468+/-46.562 χ^2/NDF: 2152.8/23

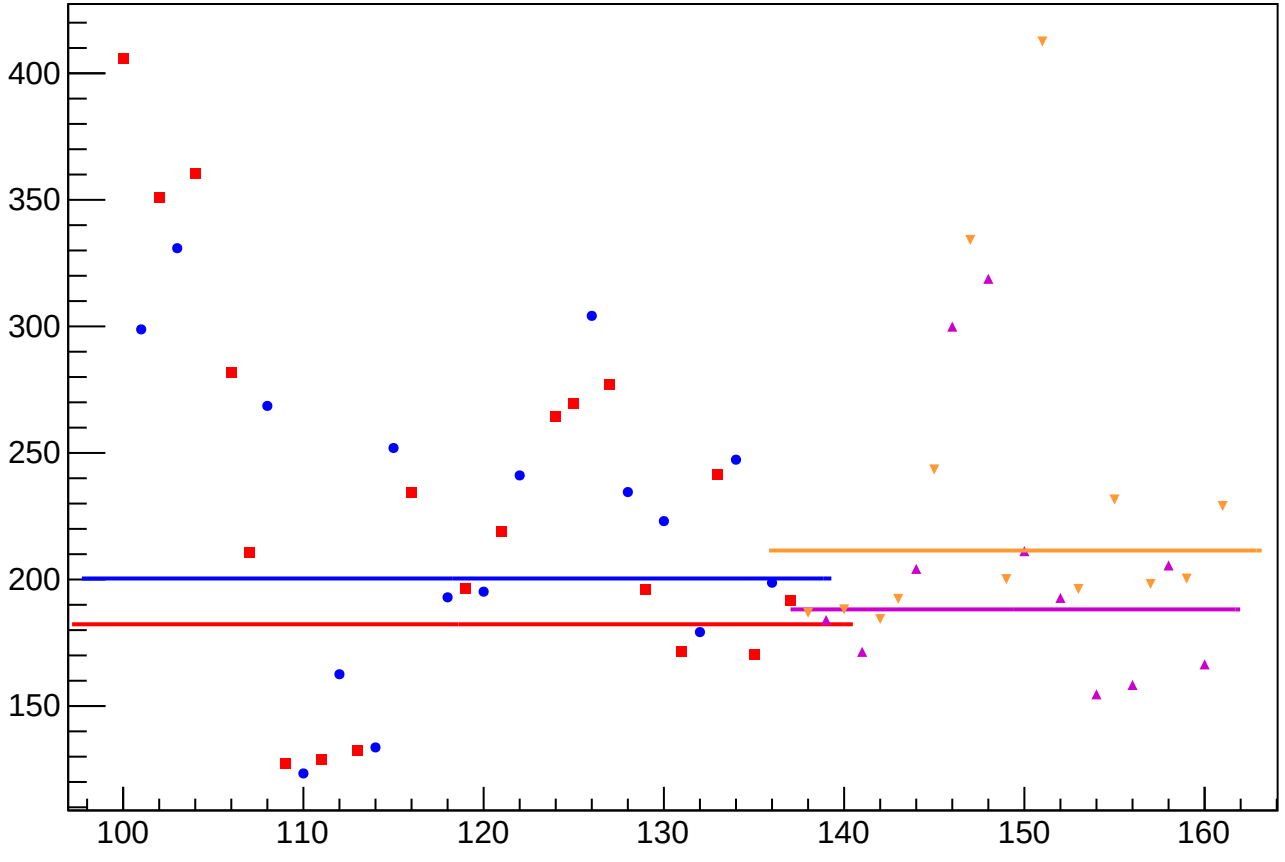
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 89.749+/-49.533 χ^2/NDF:1336.0/26

Out: 21.006+/-49.322 χ^2/NDF:2250.1/31

All: 55.230+/-34.951 χ^2/NDF: 3587.2/58

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 211.457+/-0.048 χ^2/NDF:762577.8/12

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 188.183+/-0.045 χ^2/NDF:749409.7/10

Left: 199.065+/-0.033 χ^2/NDF: 1636384.7/23

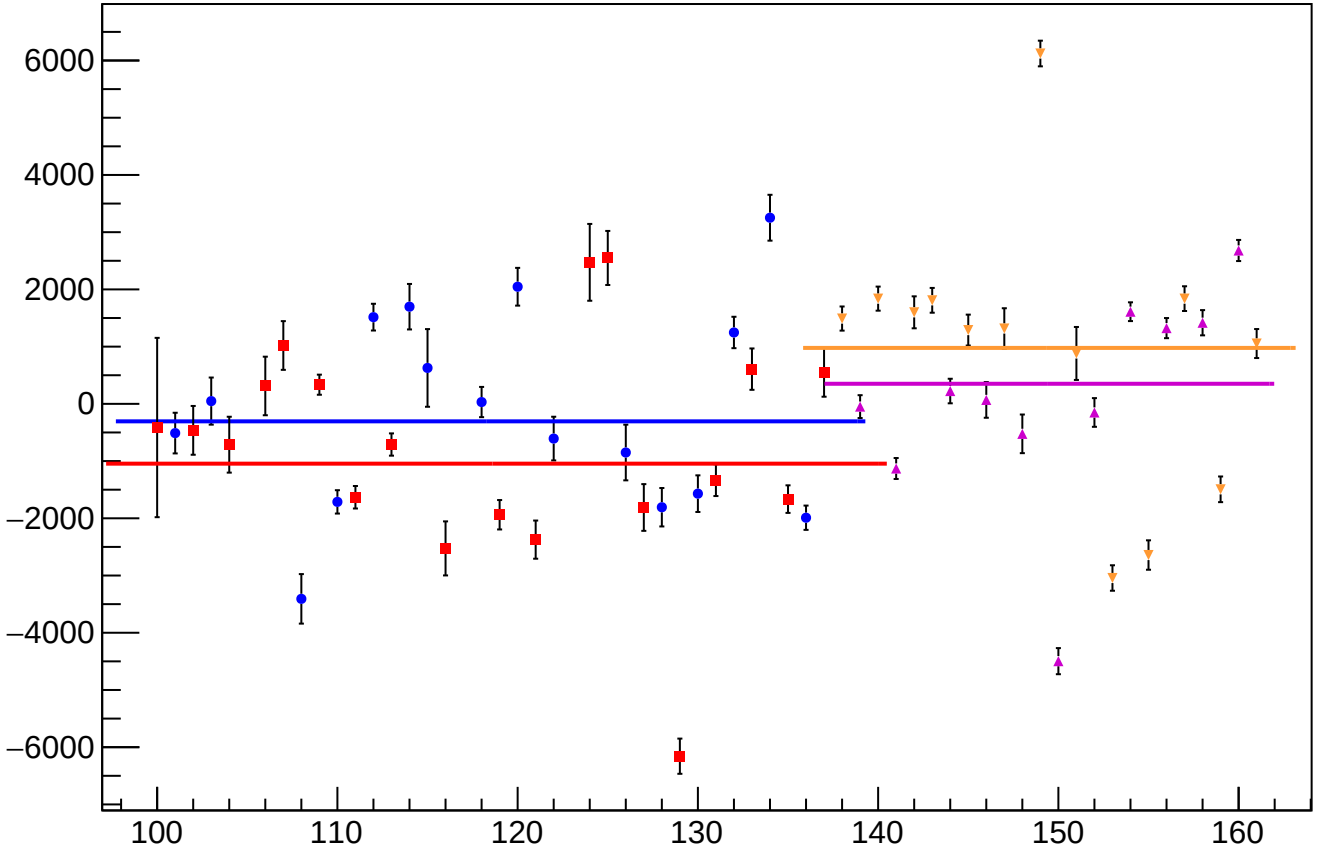
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 193.038+/-0.035 χ^2/NDF:1737543.0/26

Out: 197.598+/-0.035 χ^2/NDF:2384058.3/31

All: 195.328+/-0.025 χ^2/NDF: 4130111.8/58

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 977.592+/-67.780 χ^2/NDF:1232.9/12

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 350.985+/-63.211 χ^2/NDF:804.8/10

Left: 642.457+/-46.228 χ^2/NDF: 2083.4/23

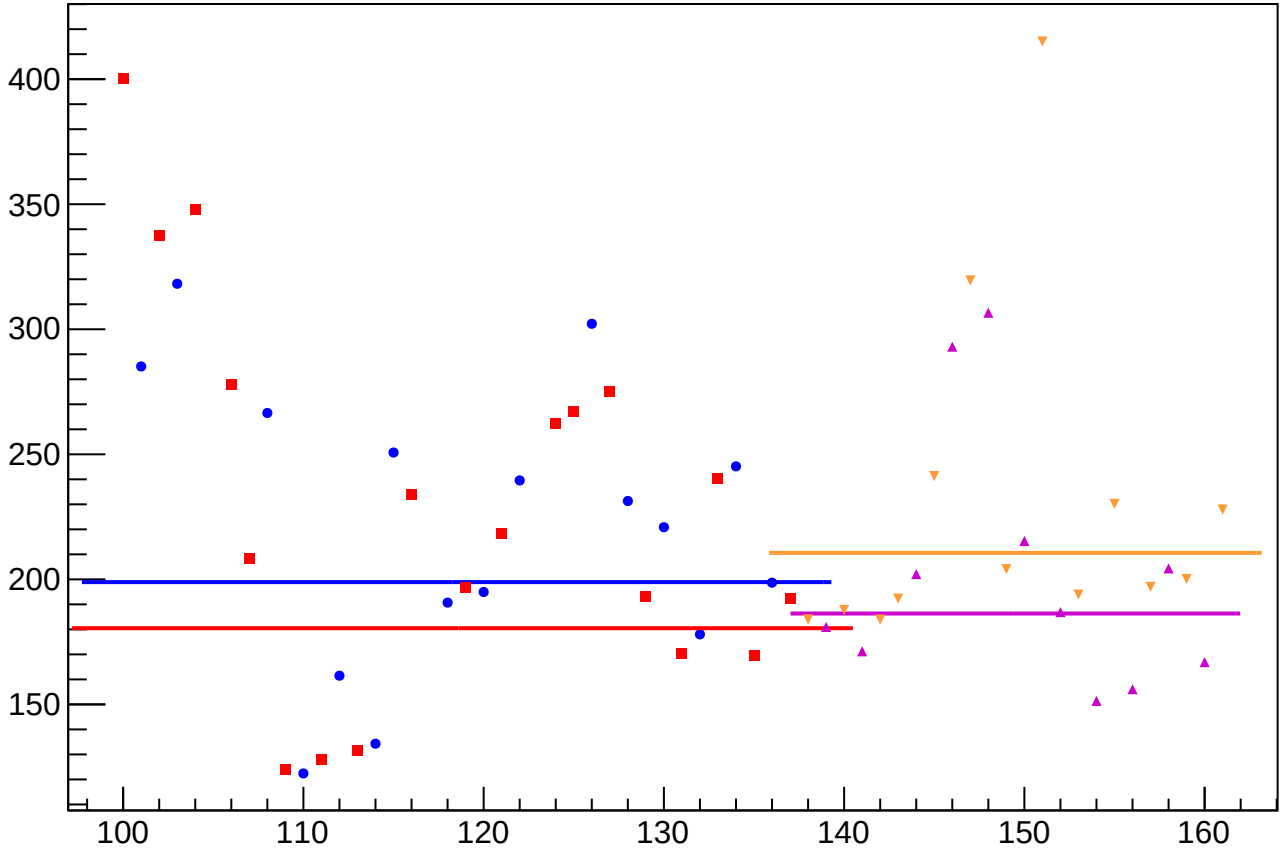
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 90.160+/-49.077 χ^2/NDF:1299.4/26

Out: 10.614+/-48.968 χ^2/NDF:2210.8/31

All: 50.299+/-34.664 χ^2/NDF: 3511.6/58

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.596+/-0.048 χ^2/NDF:739141.5/12

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 186.342+/-0.045 χ^2/NDF:731527.4/10

Left: 197.624+/-0.033 χ^2/NDF: 1607633.3/23

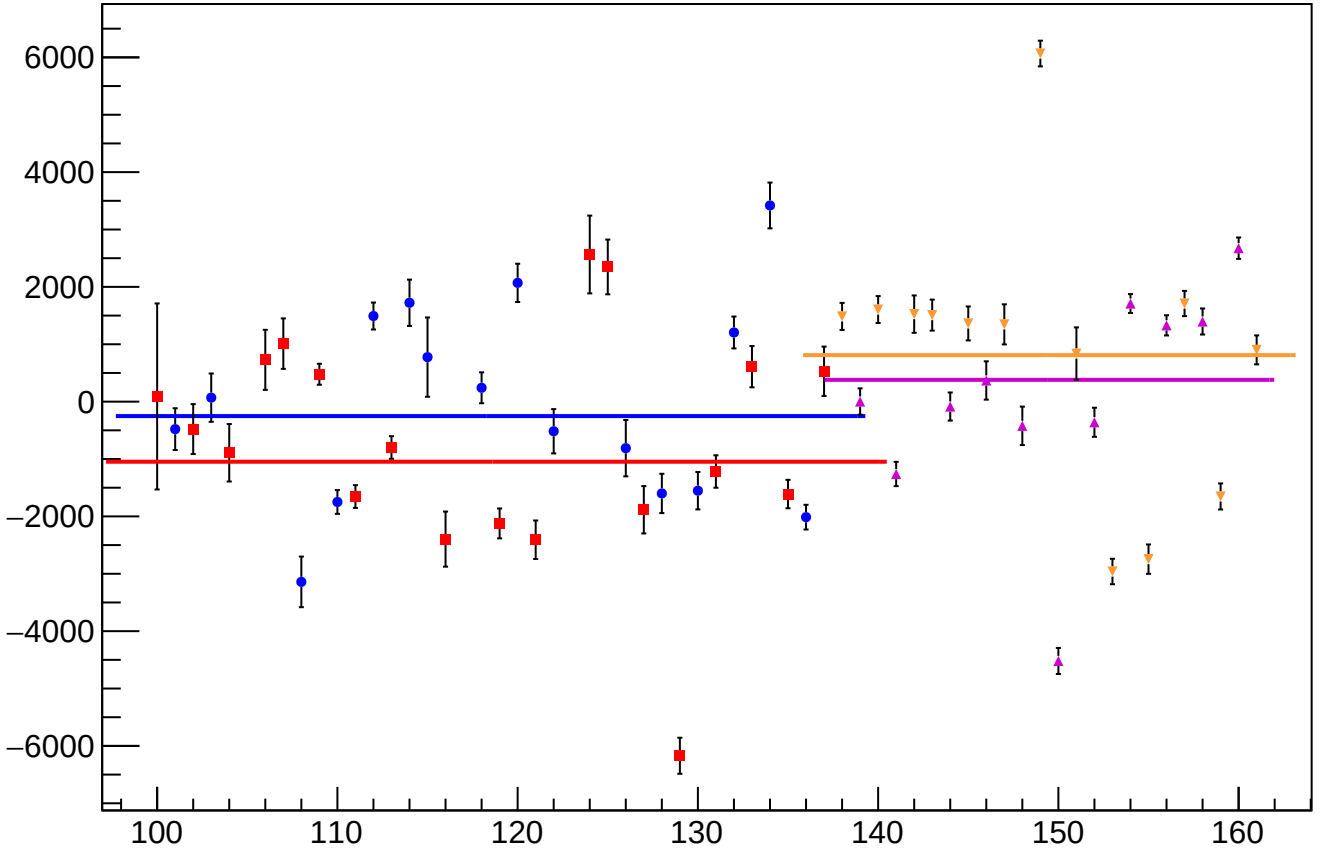
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 191.331+/-0.035 χ^2/NDF:1675661.5/26

Out: 196.195+/-0.035 χ^2/NDF:2362417.8/31

All: 193.769+/-0.025 χ^2/NDF: 4047924.1/58

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 811.027+/-71.598 χ^2/NDF:1204.6/12

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 379.874+/-66.232 χ^2/NDF:811.8/10

Left: 578.692+/-48.620 χ^2/NDF: 2035.9/23

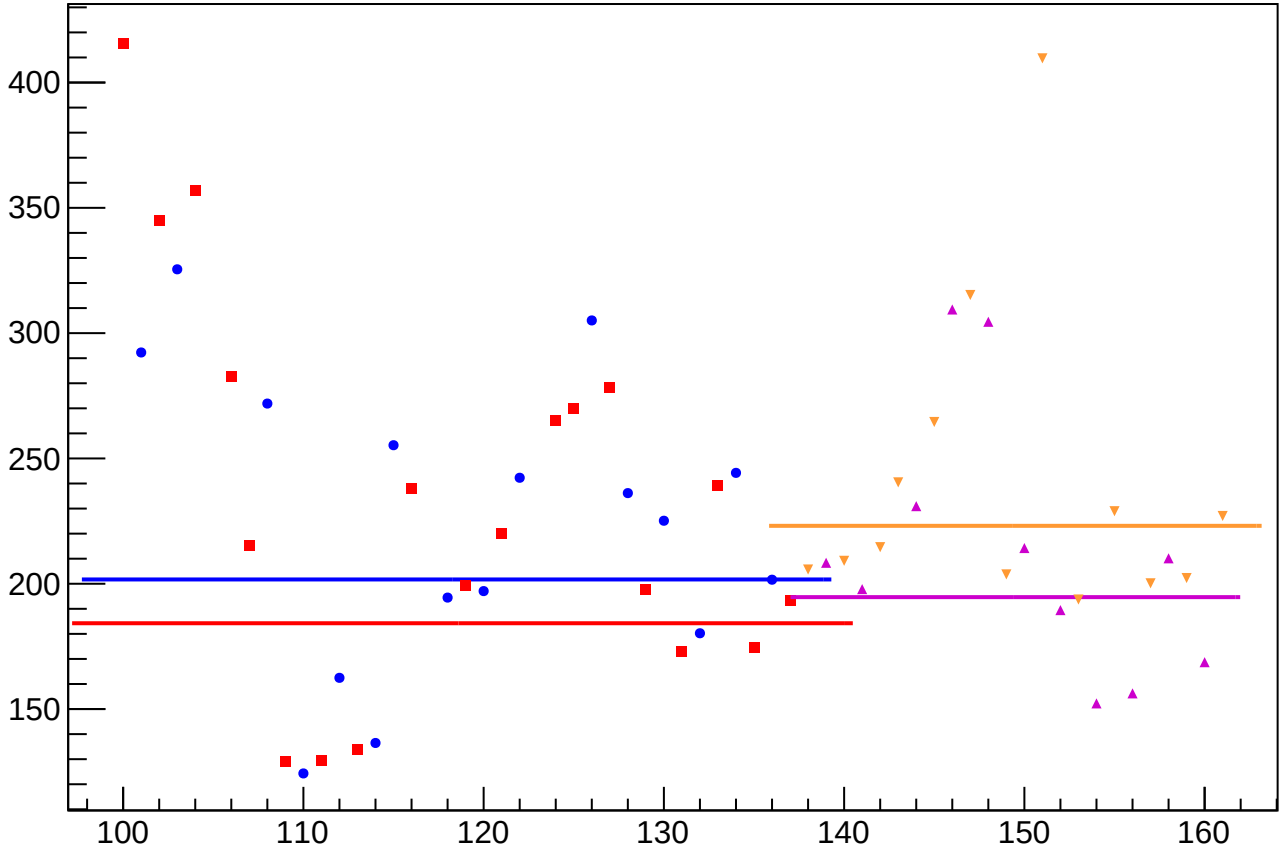
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 119.045+/-50.748 χ^2/NDF:1290.6/26

Out: -110.400+/-50.835 χ^2/NDF:2085.3/31

All: 4.520+/-35.915 χ^2/NDF: 3386.1/58

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.114+/-0.051 χ^2/NDF:629731.2/12

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 194.661+/-0.047 χ^2/NDF:793940.4/10

Left: 207.781+/-0.034 χ^2/NDF: 1593876.3/23

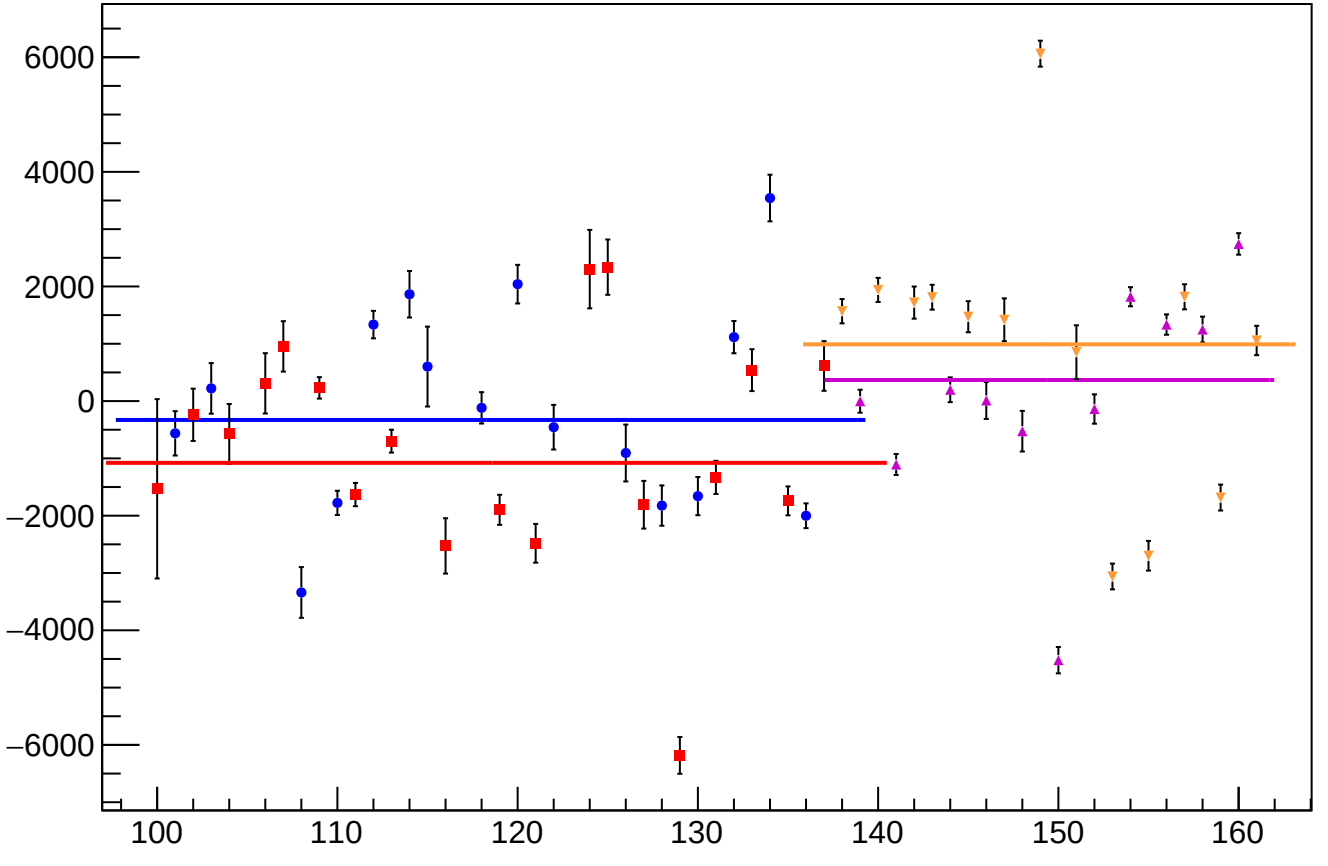
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 197.573+/-0.036 χ^2/NDF:1727514.4/26

Out: 203.839+/-0.036 χ^2/NDF:2325800.3/31

All: 200.701+/-0.025 χ^2/NDF: 4068533.5/58

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 990.270+/-68.386 χ^2/NDF:1235.2/12

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 367.954+/-64.044 χ^2/NDF:813.4/10

Left: 658.729+/-46.745 χ^2/NDF: 2092.7/23

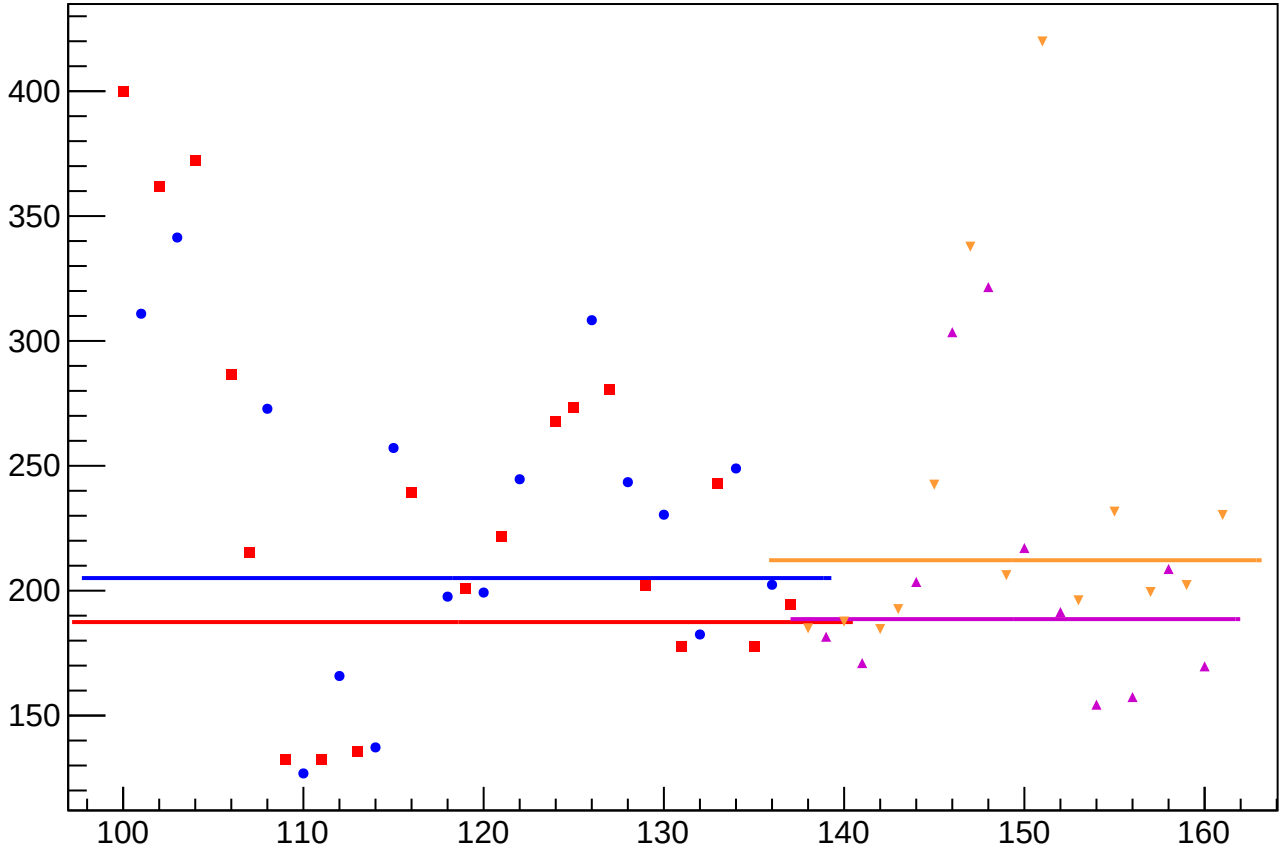
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 97.117+/-50.086 χ^2/NDF:1295.8/26

Out: 29.305+/-50.036 χ^2/NDF:2162.2/31

All: 63.177+/-35.398 χ^2/NDF: 3458.9/58

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 212.190+/-0.048 χ^2/NDF:783082.5/12

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 188.617+/-0.045 χ^2/NDF:778542.0/10

Left: 199.631+/-0.033 χ^2/NDF: 1688236.8/23

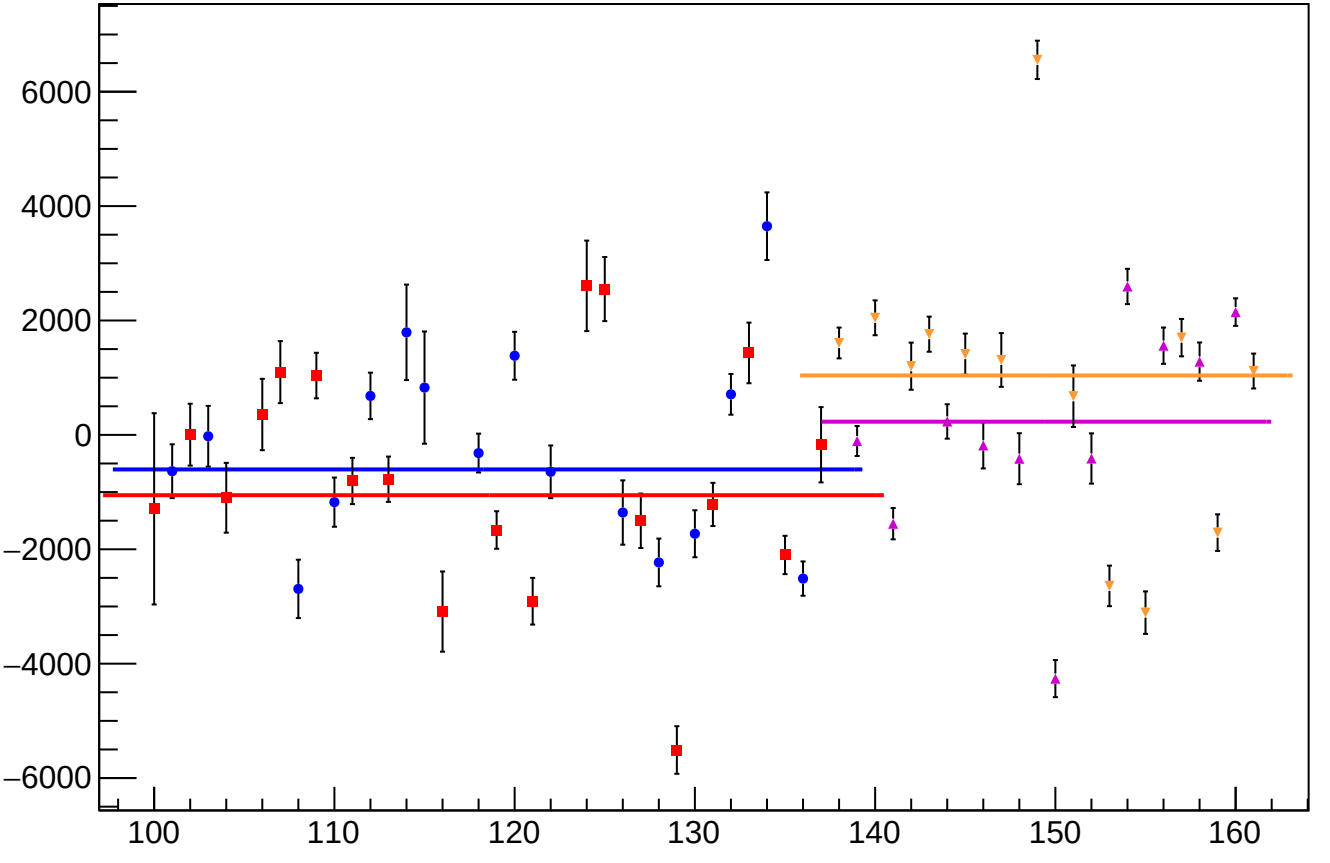
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 195.000+/-0.035 χ^2/NDF:1792756.0/26

Out: 200.686+/-0.035 χ^2/NDF:2315697.7/31

All: 197.846+/-0.025 χ^2/NDF: 4121352.8/58

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1039.302+/-95.013 χ^2/NDF:603.9/12

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 230.773+/-94.760 χ^2/NDF:390.3/10

Left: 633.962+/-67.095 χ^2/NDF: 1030.5/23

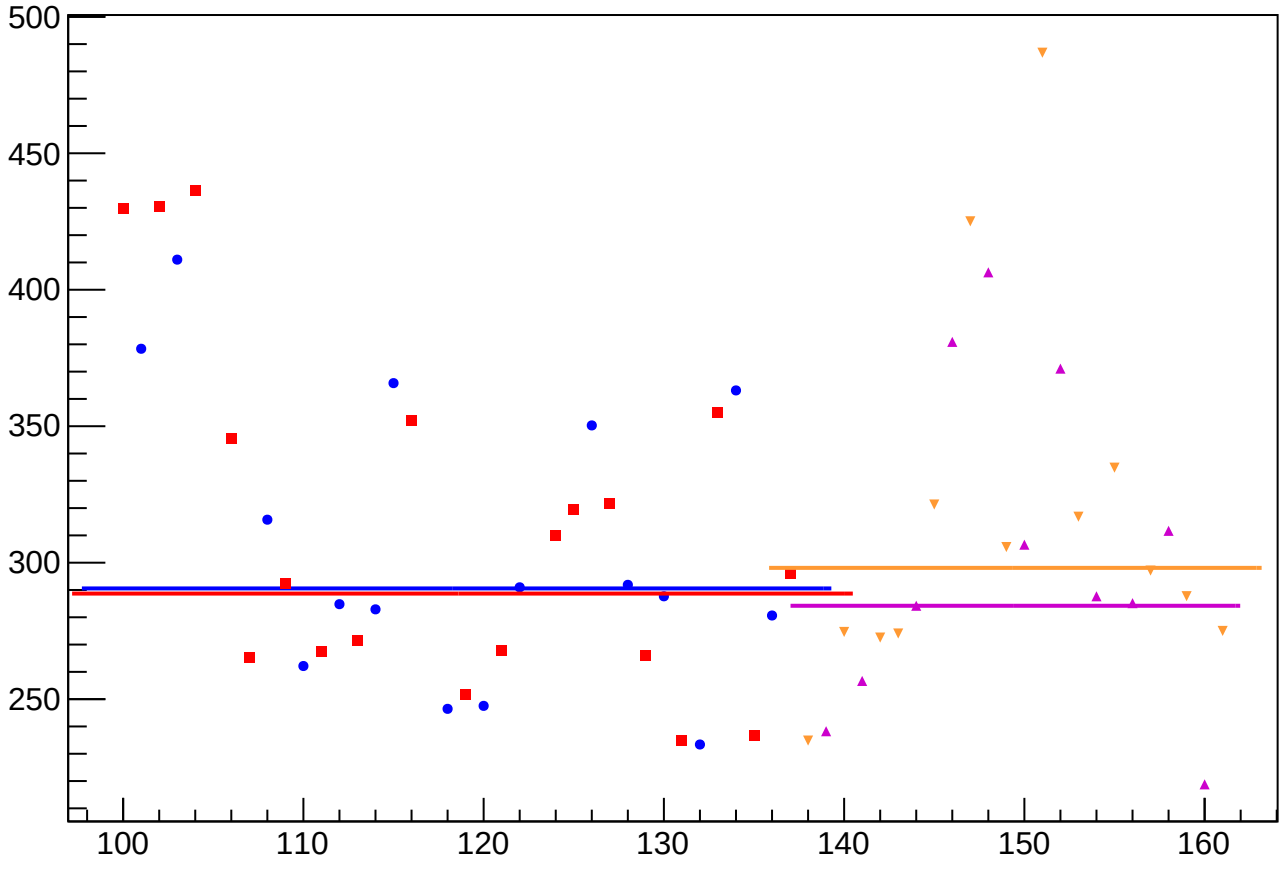
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -122.205+/-71.986 χ^2/NDF:616.7/26

Out: 128.285+/-71.412 χ^2/NDF:1112.9/31

All: 4.042+/-50.698 χ^2/NDF: 1735.6/58

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 298.103+/-0.067 χ^2/NDF:582207.8/12

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 284.217+/-0.067 χ^2/NDF:595866.3/10

Left: 291.141+/-0.047 χ^2/NDF: 1199491.6/23

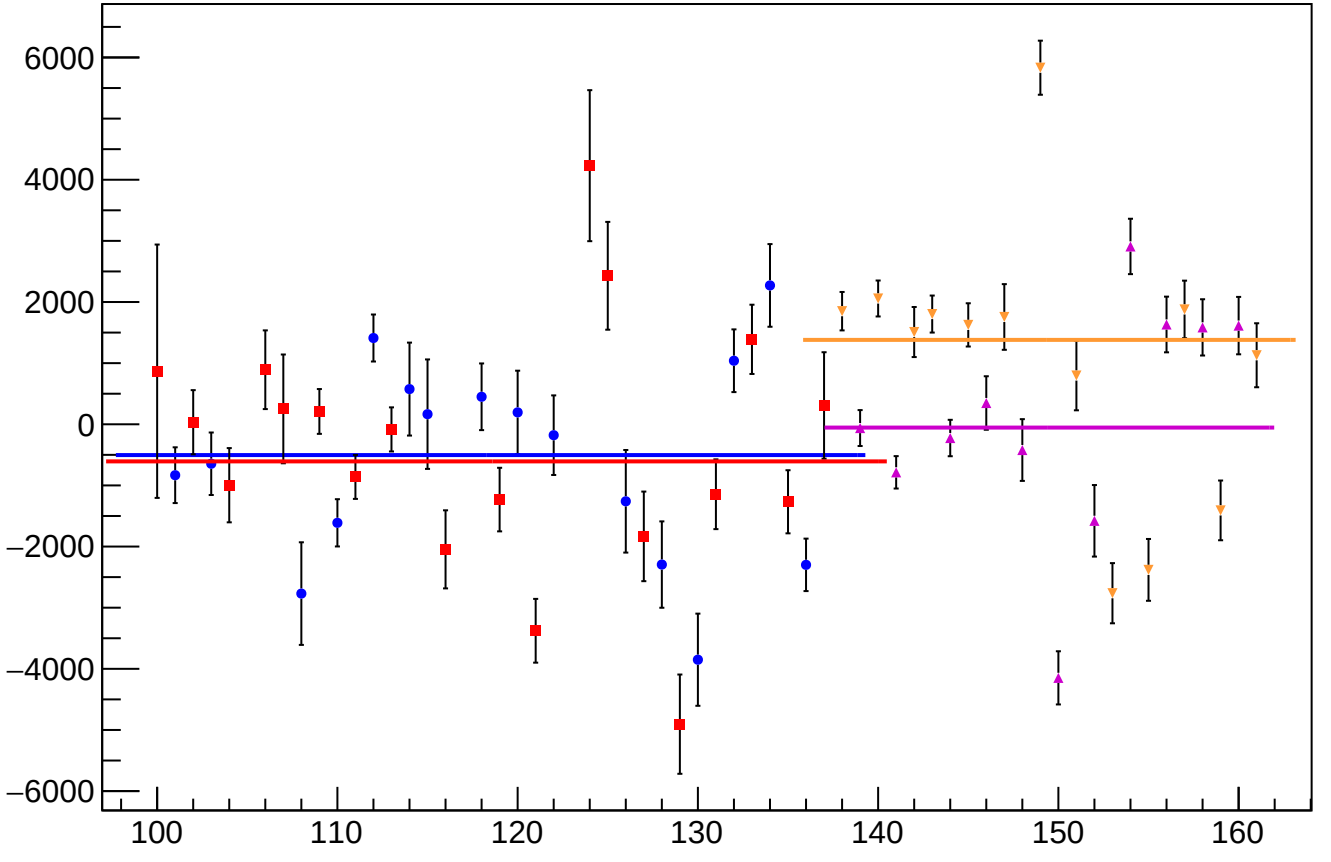
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 286.902+/-0.051 χ^2/NDF:959471.1/26

Out: 294.006+/-0.050 χ^2/NDF:1079851.0/31

All: 290.482+/-0.036 χ^2/NDF: 2049138.3/58

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1380.519+/-112.791 χ^2/NDF:273.1/12

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -53.899+/-116.722 χ^2/NDF:186.5/10

Left: 687.874+/-81.109 χ^2/NDF: 537.7/23

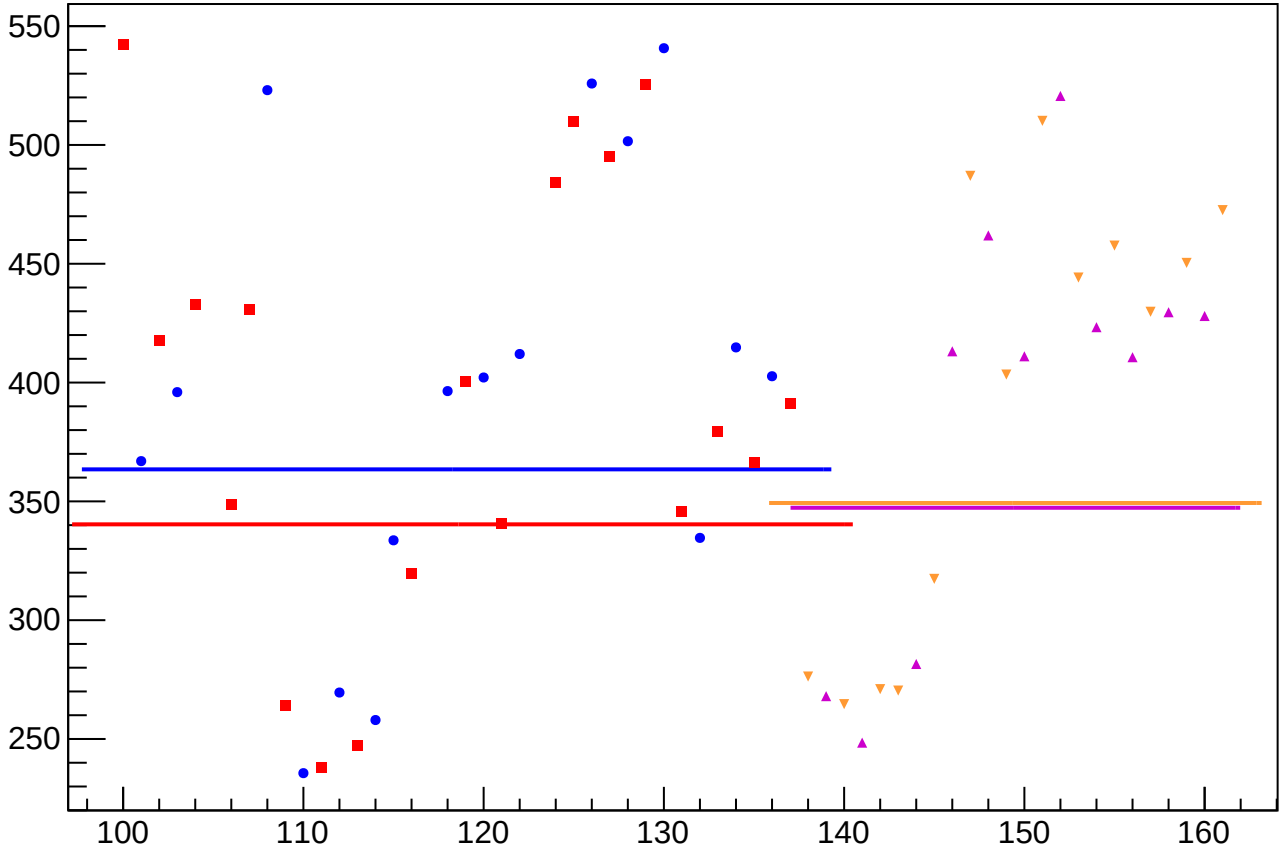
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -238.248+/-89.666 χ^2/NDF:310.8/26

Out: 524.046+/-85.084 χ^2/NDF:532.0/31

All: 162.874+/-61.720 χ^2/NDF: 880.9/58

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 349.323+/-0.080 χ^2/NDF:1241316.9/12

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 347.311+/-0.083 χ^2/NDF:1106149.3/10

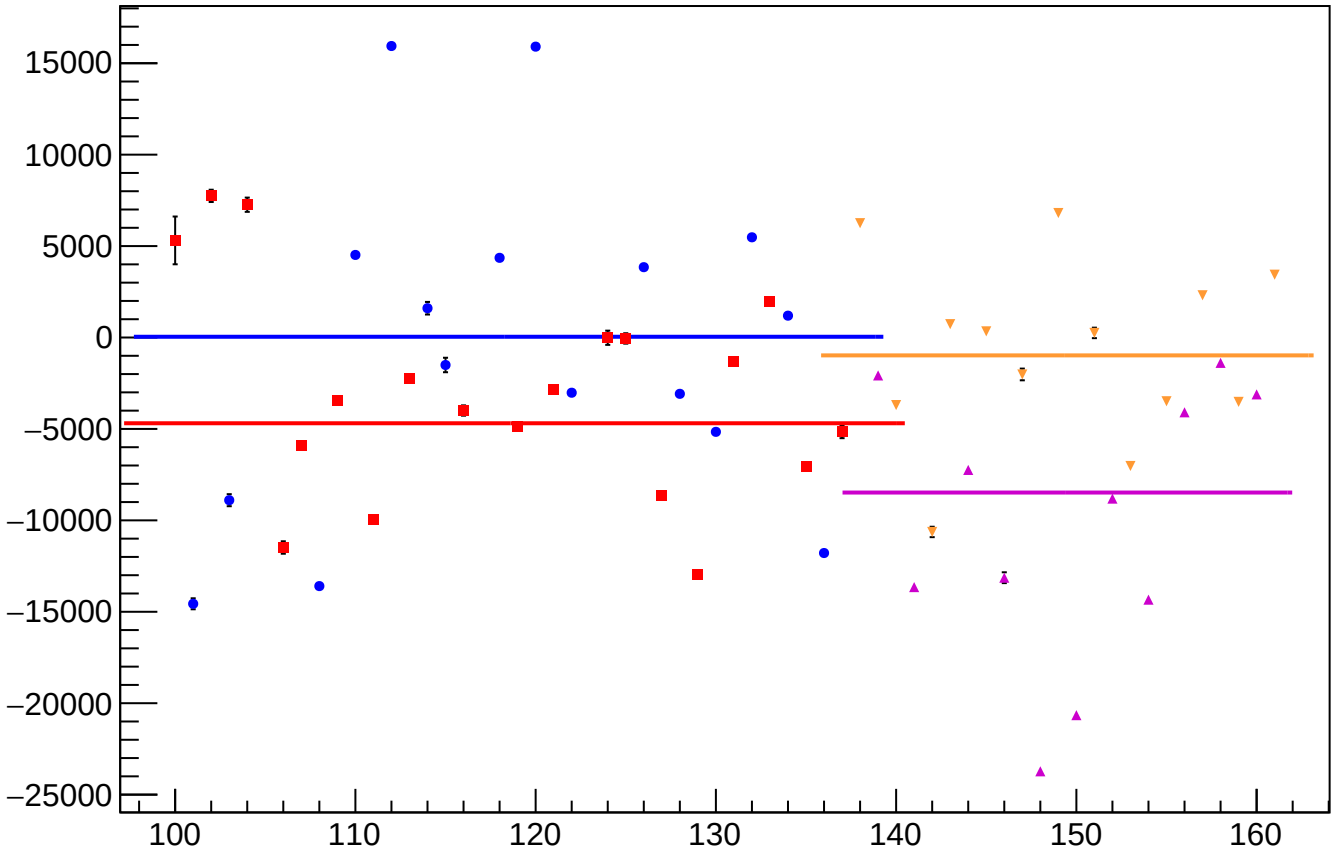
Left: 348.351+/-0.057 χ^2/NDF: 2347773.4/23

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 353.934+/-0.063 χ^2/NDF:1902755.2/26

Out: 345.448+/-0.060 χ^2/NDF:2103023.5/31

All: 349.469+/-0.044 χ^2/NDF: 4015205.4/58



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -977.609+/-53.726 χ^2/NDF:7438.4/12

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8478.858+/-56.825 χ^2/NDF:14215.2/10

Left: -4518.093+/-39.040 χ^2/NDF: 30854.4/23

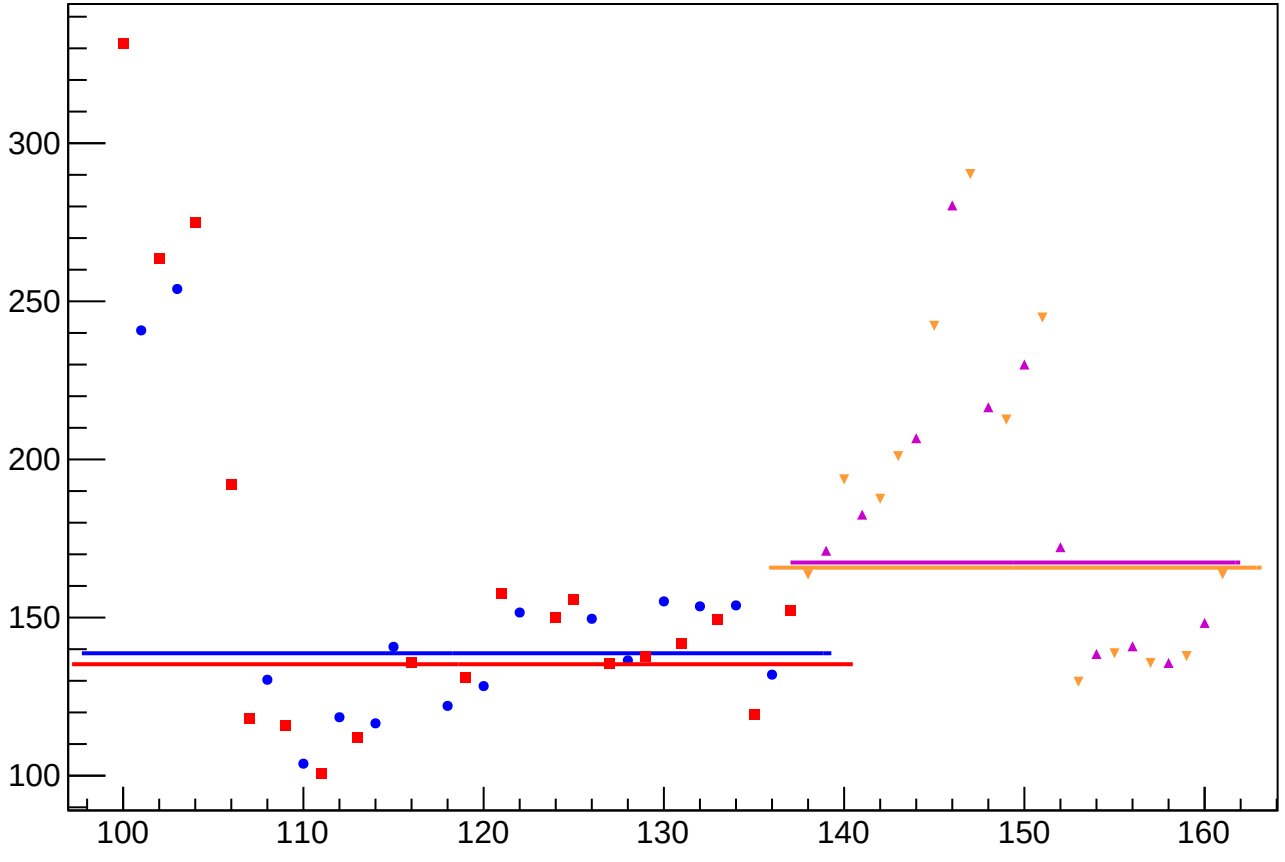
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4017.517+/-39.220 χ^2/NDF:56772.4/26

Out: -2890.856+/-37.400 χ^2/NDF:17694.5/31

All: -3427.440+/-27.066 χ^2/NDF: 74899.1/58

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.784+/-0.038 χ^2/NDF:1126152.4/12

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

Left: 166.550+/-0.028 χ^2/NDF: 1960955.6/23

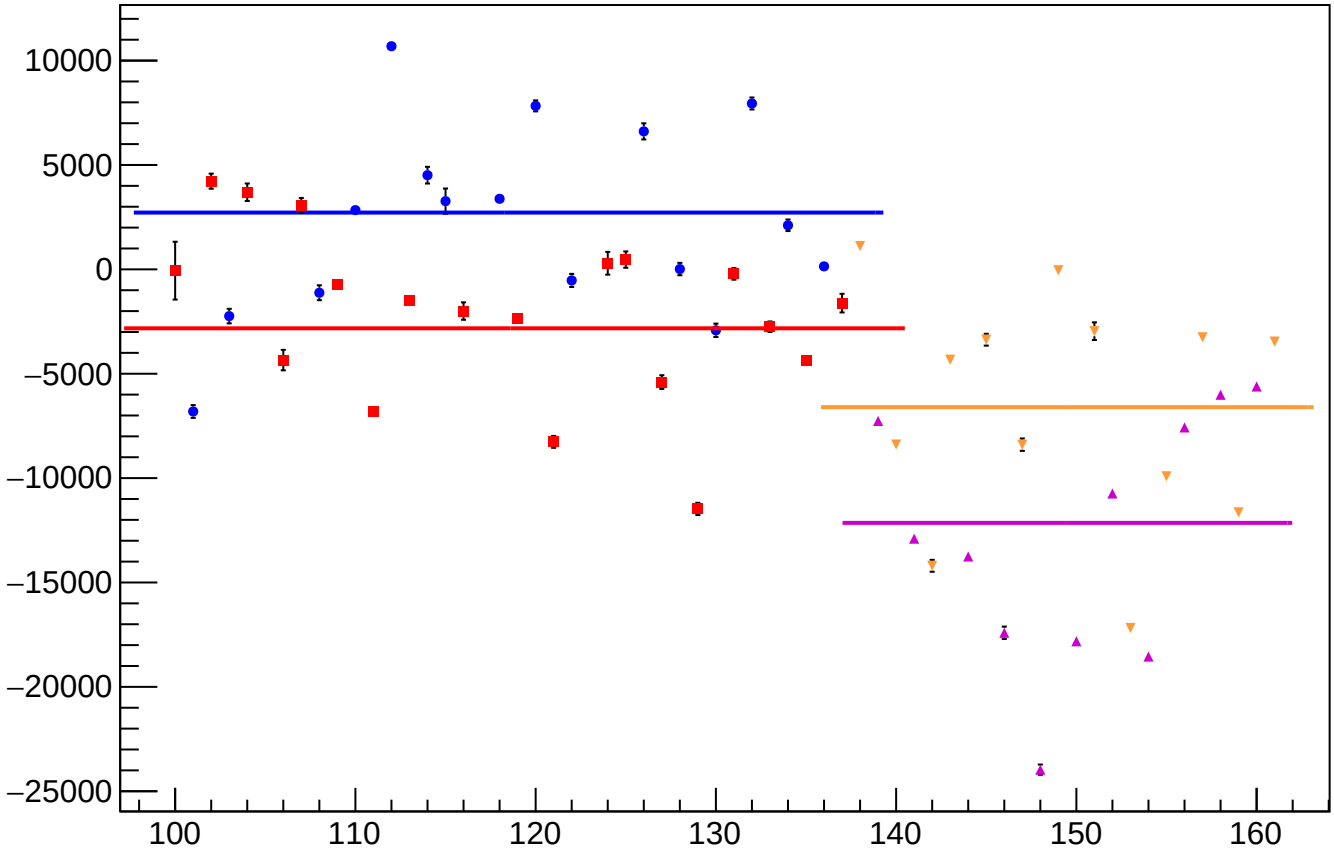
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 152.381+/-0.028 χ^2/NDF:1758781.5/26

Out: 150.044+/-0.026 χ^2/NDF:2349227.7/31

All: 151.157+/-0.019 χ^2/NDF: 4111728.2/58

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6602.119+/-63.946 χ^2/NDF:7602.8/12

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12143.672+/-59.626 χ^2/NDF:9004.8/10

Left: -9566.412+/-43.609 χ^2/NDF: 20624.9/23

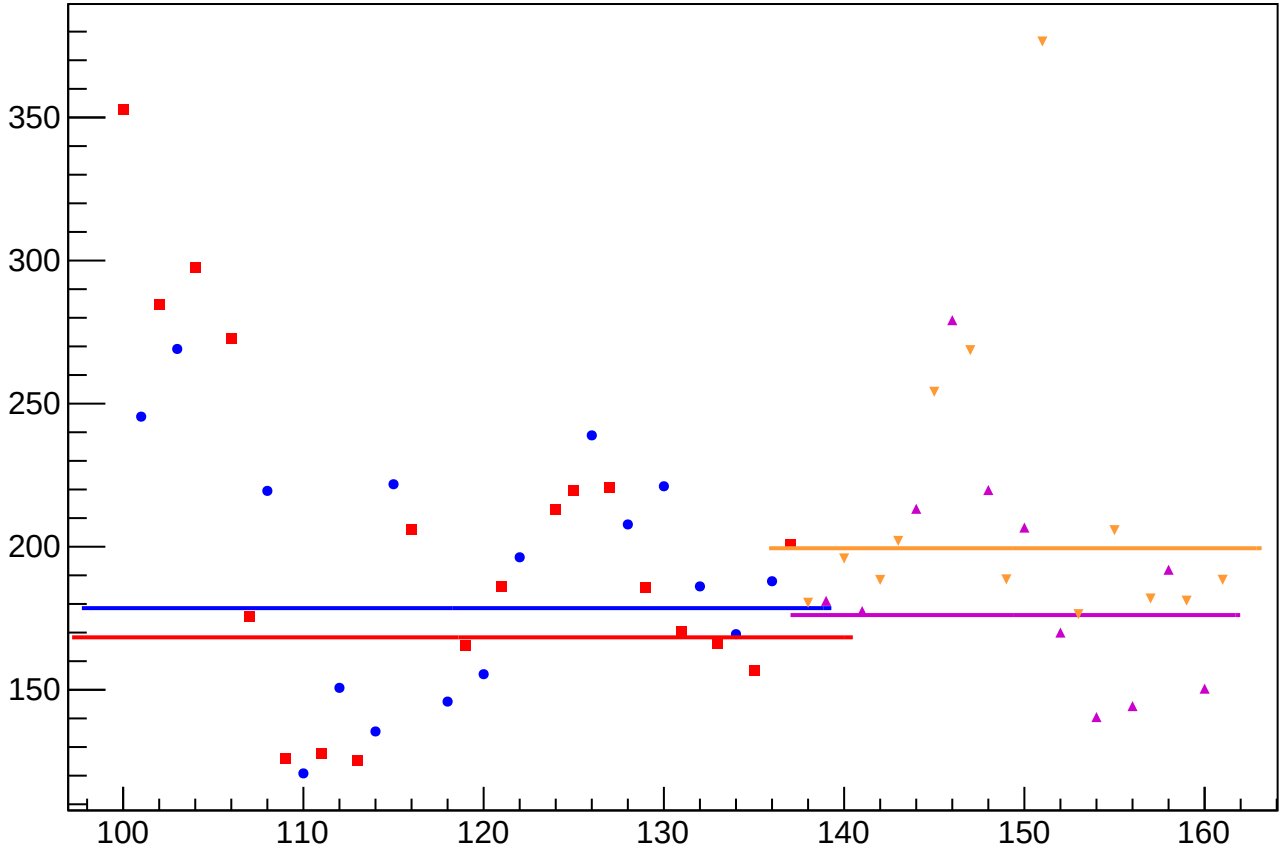
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5815.404+/-45.184 χ^2/NDF:39591.1/26

Out: -4739.415+/-45.533 χ^2/NDF:12386.8/31

All: -5281.553+/-32.072 χ^2/NDF: 52259.3/58

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.473+/-0.045 χ^2/NDF:623197.7/12

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

Left: 186.981+/-0.031 χ^2/NDF: 1413312.8/23

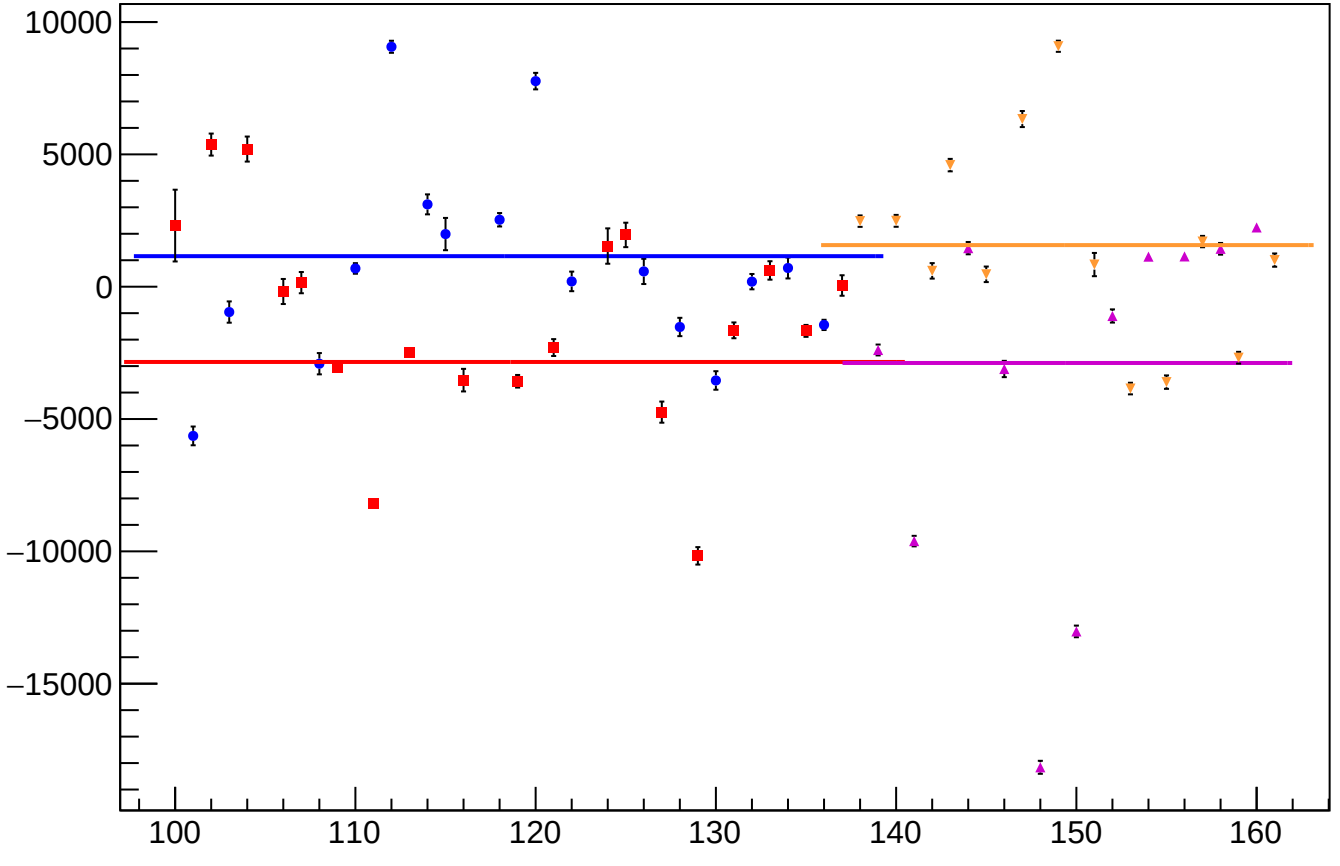
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.151+/-0.032 χ^2/NDF:1323396.2/26

Out: 184.122+/-0.032 χ^2/NDF:1836471.9/31

All: 180.610+/-0.023 χ^2/NDF: 3183493.2/58

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1571.845+/-68.200 χ^2/NDF:3136.5/12

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2882.120+/-63.258 χ^2/NDF:9808.0/10

Left: -822.355+/-46.379 χ^2/NDF: 15237.2/23

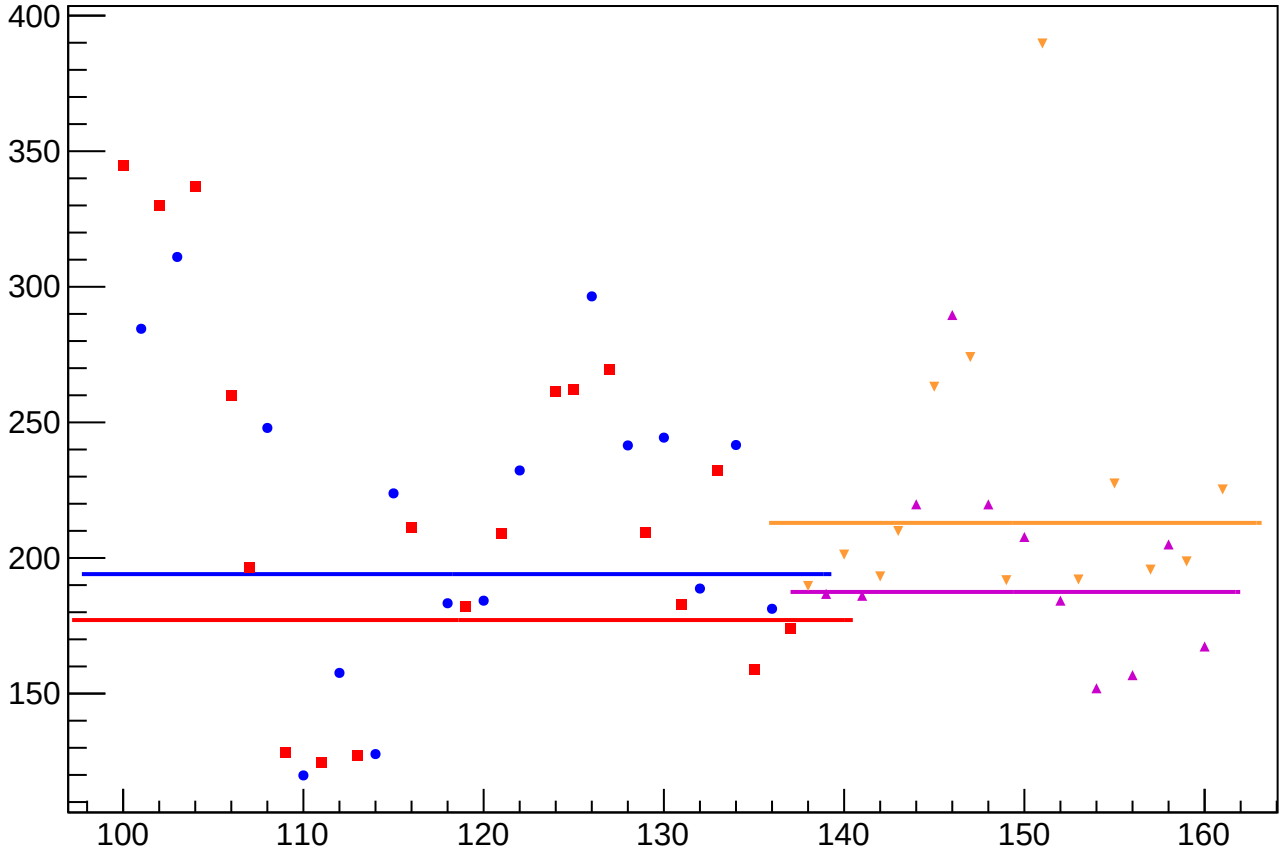
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1229.259+/-48.608 χ^2/NDF:14130.4/26

Out: -605.847+/-48.553 χ^2/NDF:7657.1/31

All: -917.199+/-34.352 χ^2/NDF: 21869.8/58

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 212.945+/-0.048 χ^2/NDF:571673.2/12

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

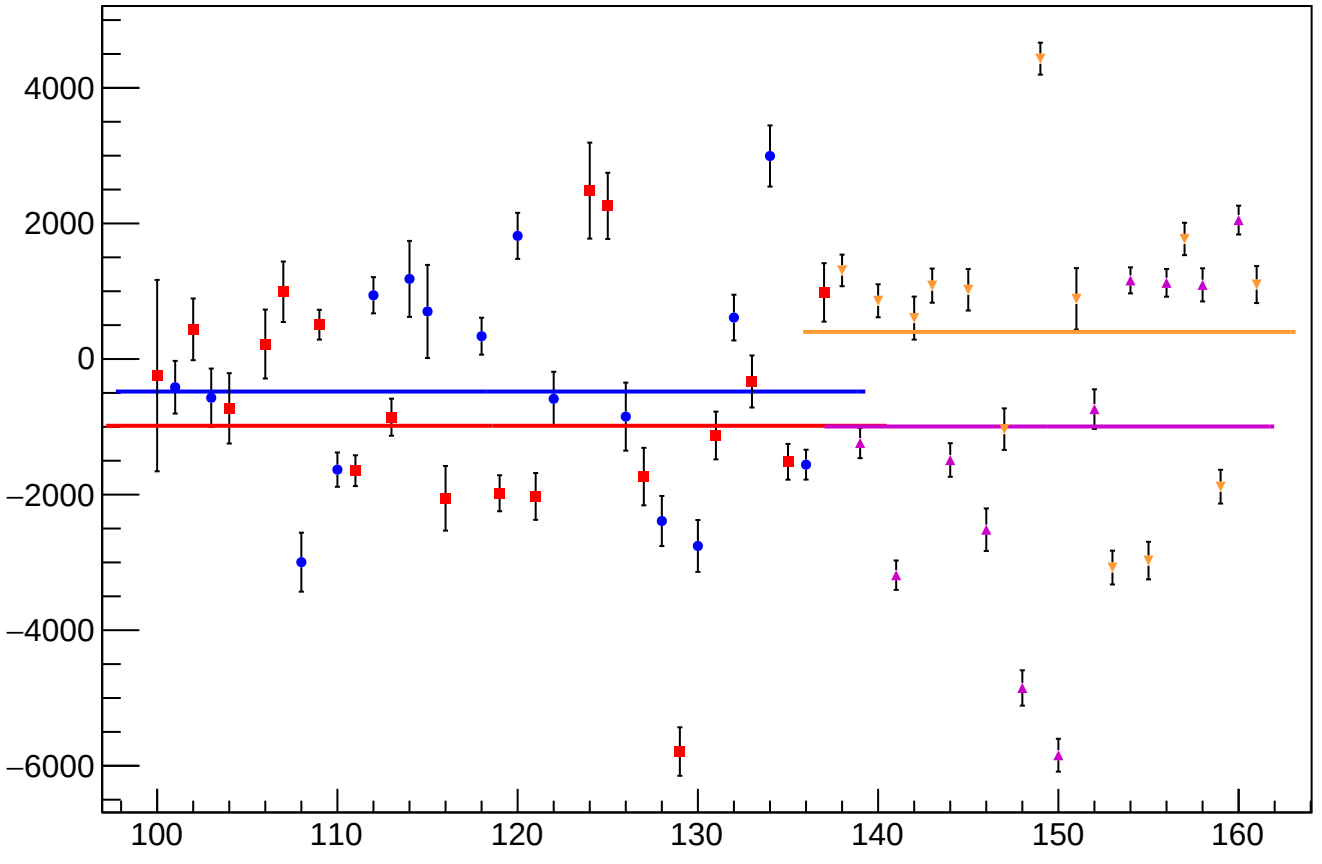
Left: 199.254+/-0.033 χ^2/NDF: 1221579.9/23

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.170+/-0.034 χ^2/NDF:1474626.0/26

Out: 195.275+/-0.034 χ^2/NDF:2203246.6/31

All: 192.725+/-0.024 χ^2/NDF: 3688914.0/58



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 400.617+/-74.274 χ^2/NDF:810.8/12

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -995.123+/-70.515 χ^2/NDF:1262.8/10

Left: -333.465+/-51.139 χ^2/NDF: 2259.3/23

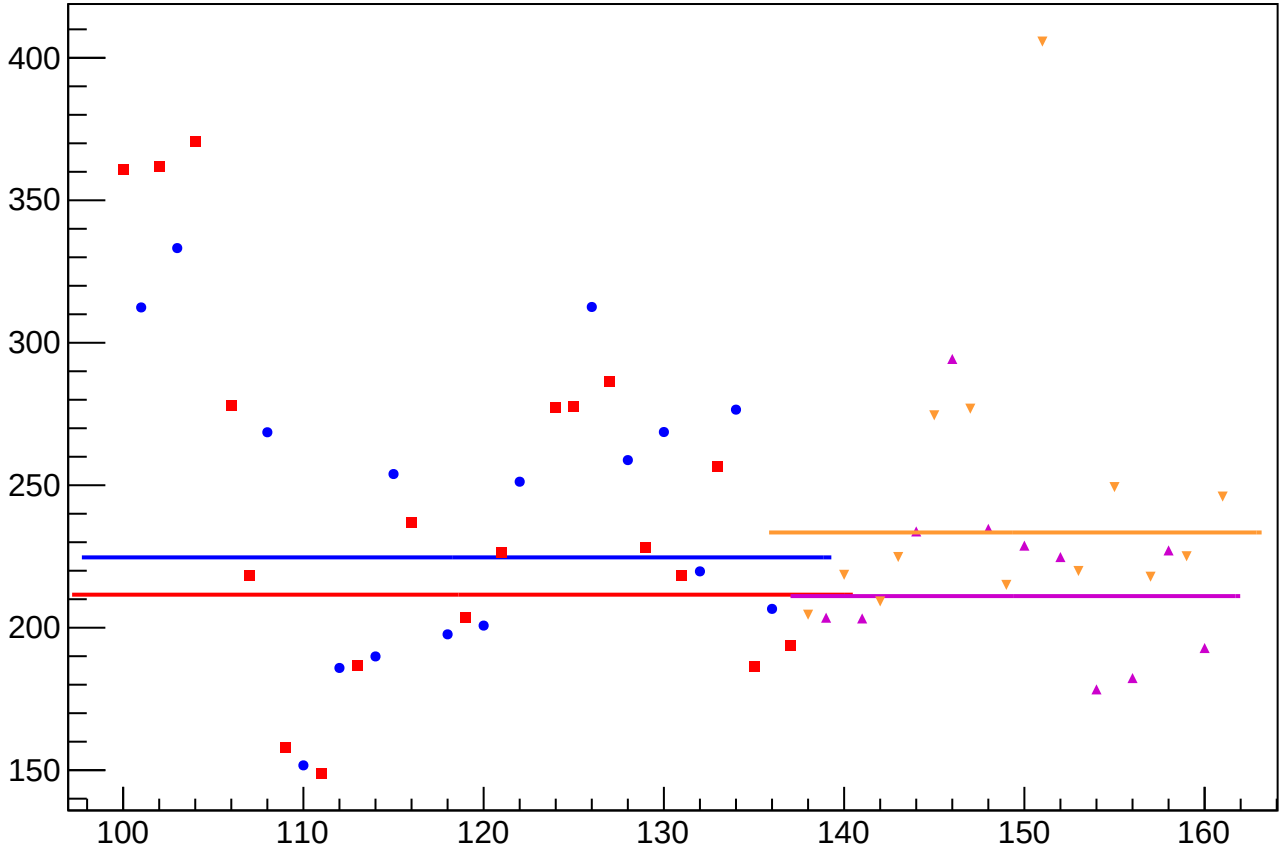
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -789.716+/-54.702 χ^2/NDF:1589.5/26

Out: -232.517+/-54.726 χ^2/NDF:1367.9/31

All: -511.241+/-38.689 χ^2/NDF: 3009.3/58

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.425+/-0.053 χ^2/NDF:456235.7/12

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

Left: 221.680+/-0.036 χ^2/NDF: 866191.3/23

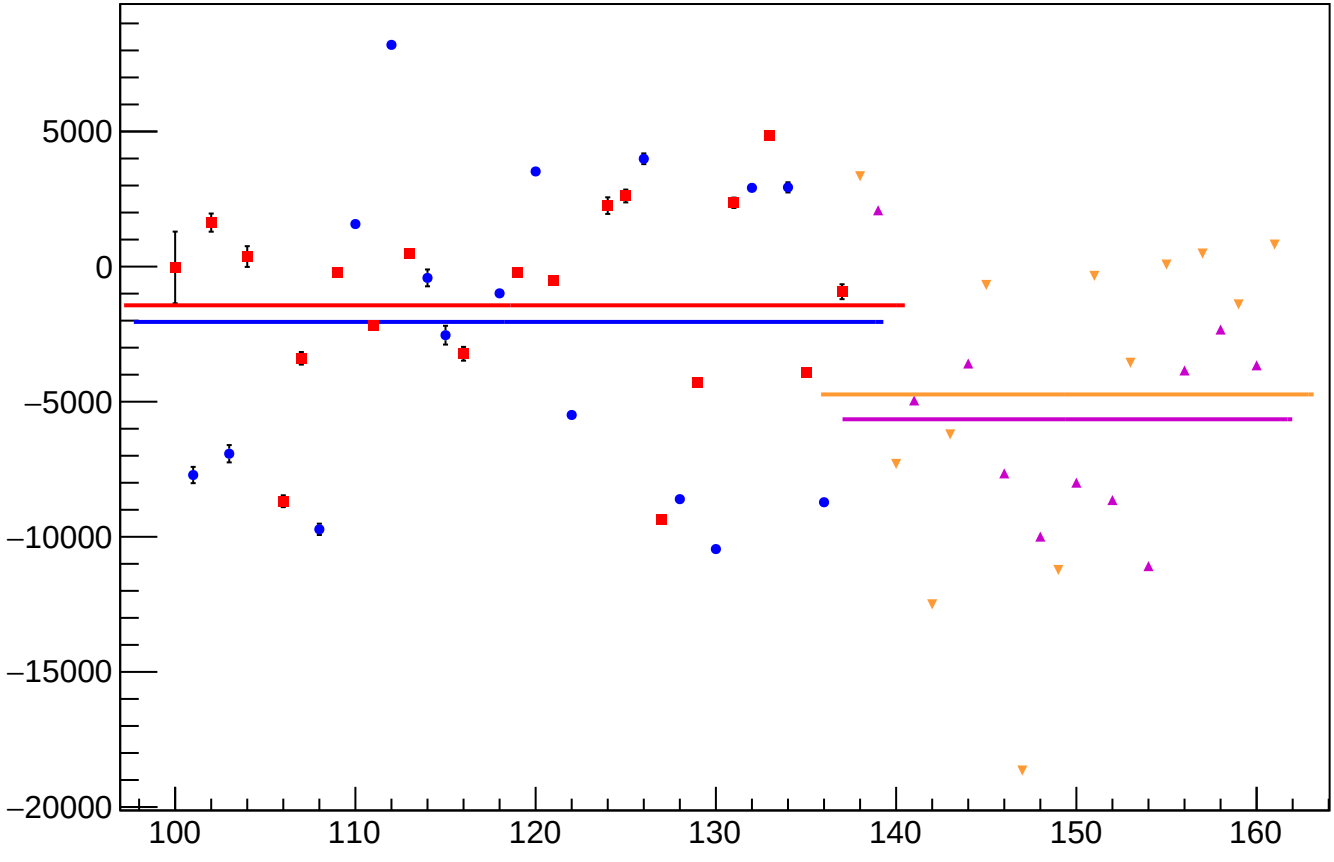
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.505+/-0.039 χ^2/NDF:997644.5/26

Out: 223.446+/-0.039 χ^2/NDF:1468108.3/31

All: 219.974+/-0.027 χ^2/NDF: 2481845.4/58

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4731.003+/-36.760 χ^2/NDF:29657.4/12

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5650.559+/-38.489 χ^2/NDF:9212.2/10

Left: -5169.664+/-26.584 χ^2/NDF: 39168.2/23

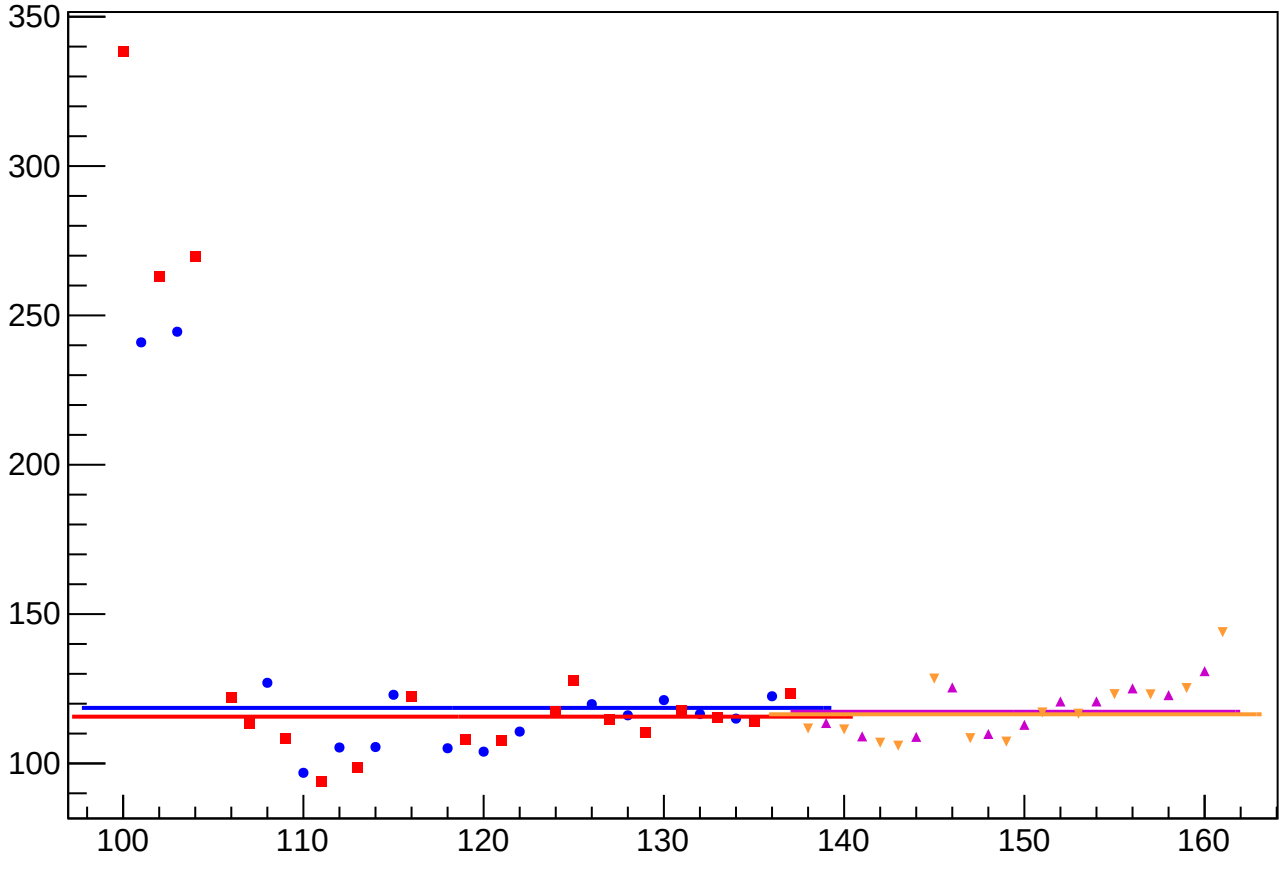
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4193.826+/-29.707 χ^2/NDF:29464.6/26

Out: -3401.421+/-28.400 χ^2/NDF:39290.3/31

All: -3779.805+/-20.528 χ^2/NDF: 69126.6/58

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 116.455+/-0.026 χ^2/NDF:139521.8/12

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

Left: 116.854+/-0.019 χ^2/NDF: 210005.6/23

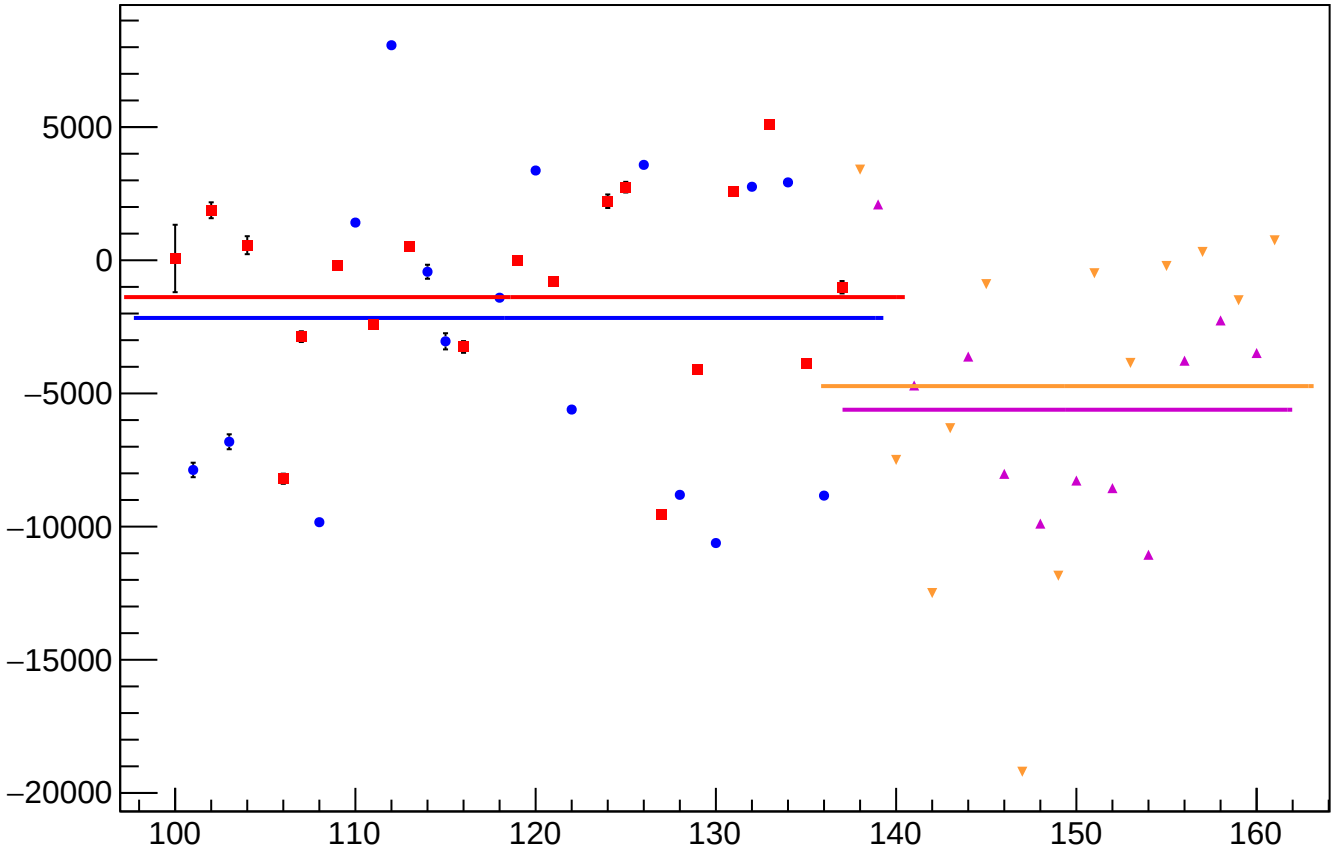
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 117.818+/-0.021 χ^2/NDF:805079.9/26

Out: 116.135+/-0.020 χ^2/NDF:1004106.0/31

All: 116.939+/-0.015 χ^2/NDF: 1812542.6/58

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4724.827+/-33.098 χ^2/NDF:36073.4/12

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5611.795+/-35.067 χ^2/NDF:11370.3/10

Left: -5142.718+/-24.070 χ^2/NDF: 47782.0/23

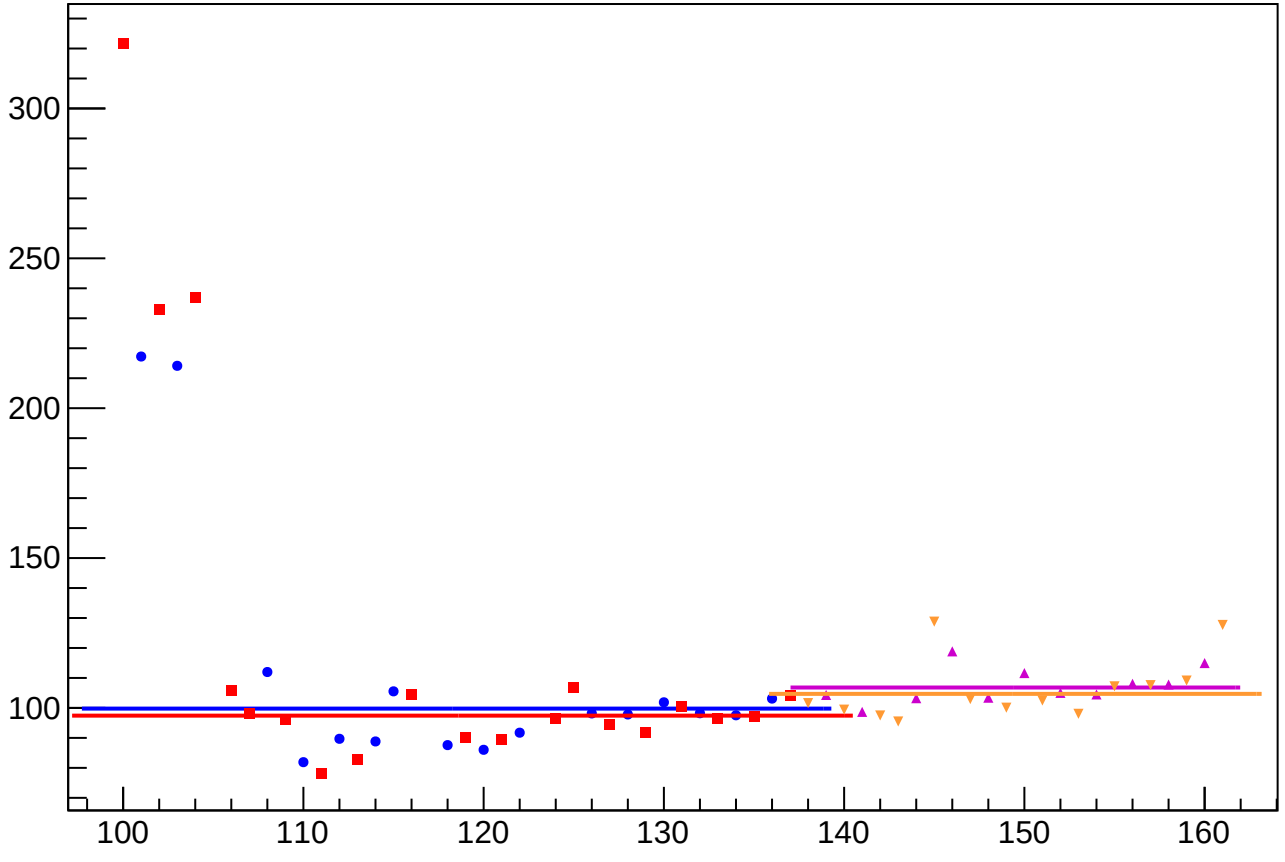
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4098.650+/-26.262 χ^2/NDF:38485.4/26

Out: -3282.218+/-24.951 χ^2/NDF:49622.5/31

All: -3669.550+/-18.089 χ^2/NDF: 88615.8/58

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 104.689+/-0.023 χ^2/NDF:149312.7/12

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 106.808+/-0.025 χ^2/NDF:47727.7/10

Left: 105.687+/-0.017 χ^2/NDF: 200903.5/23

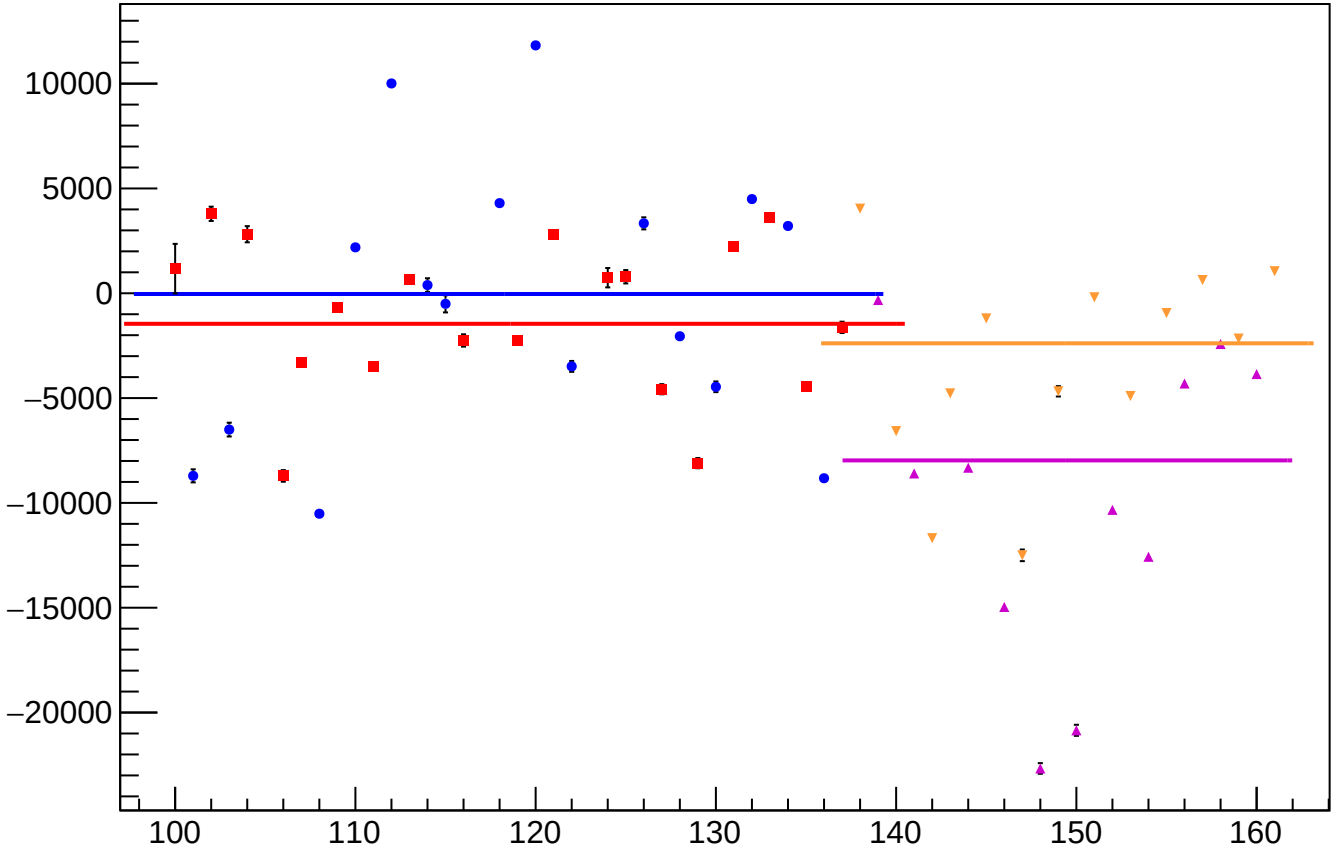
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 103.720+/-0.019 χ^2/NDF:892211.8/26

Out: 101.554+/-0.018 χ^2/NDF:1116916.0/31

All: 102.581+/-0.013 χ^2/NDF: 2016274.0/58

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2387.455+/-48.308 χ^2/NDF:6902.9/12

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7973.169+/-52.059 χ^2/NDF:12840.8/10

Left: -4971.865+/-35.411 χ^2/NDF: 25929.6/23

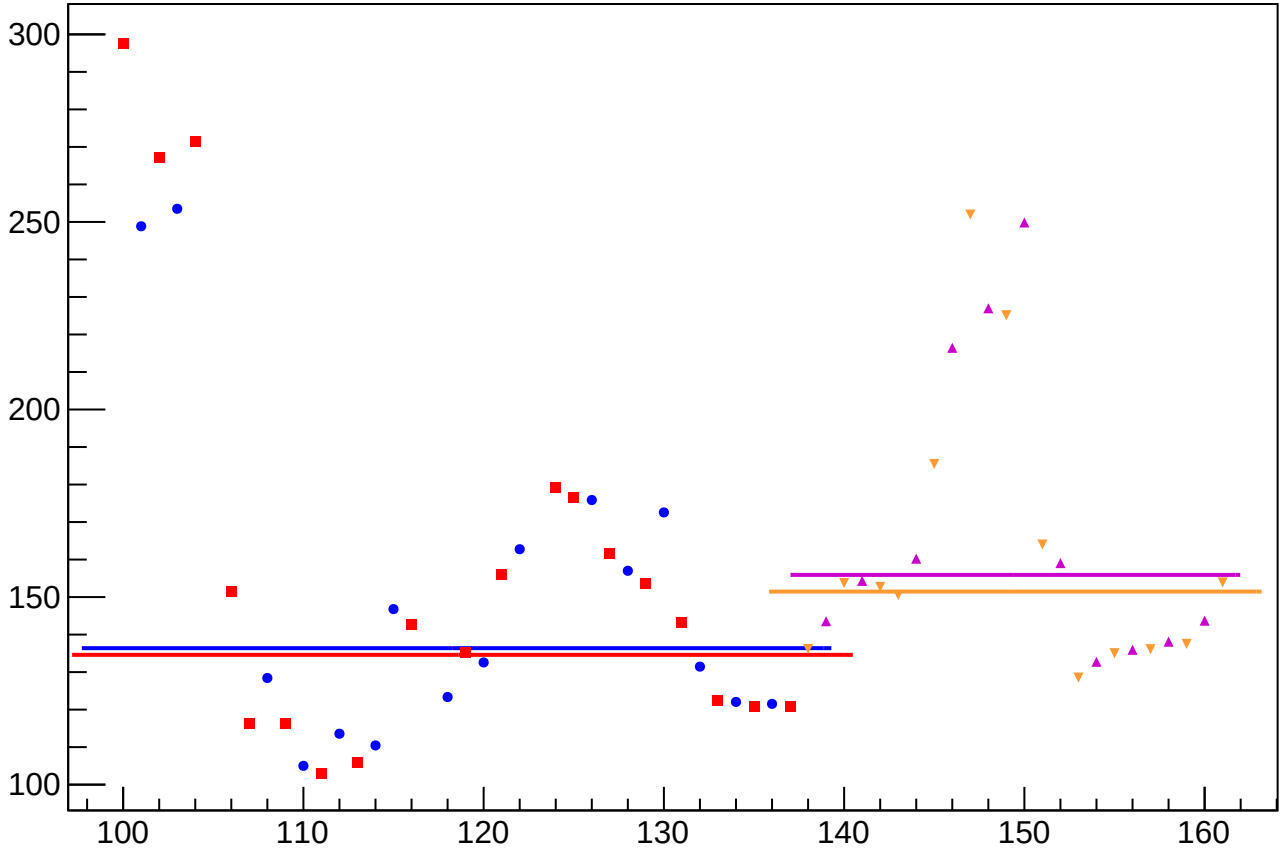
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4109.708+/-37.298 χ^2/NDF:40960.5/26

Out: -1955.789+/-35.375 χ^2/NDF:11192.1/31

All: -2975.785+/-25.667 χ^2/NDF: 53908.2/58

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 151.464+/-0.034 χ^2/NDF:637077.9/12

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 155.912+/-0.037 χ^2/NDF:690867.1/10

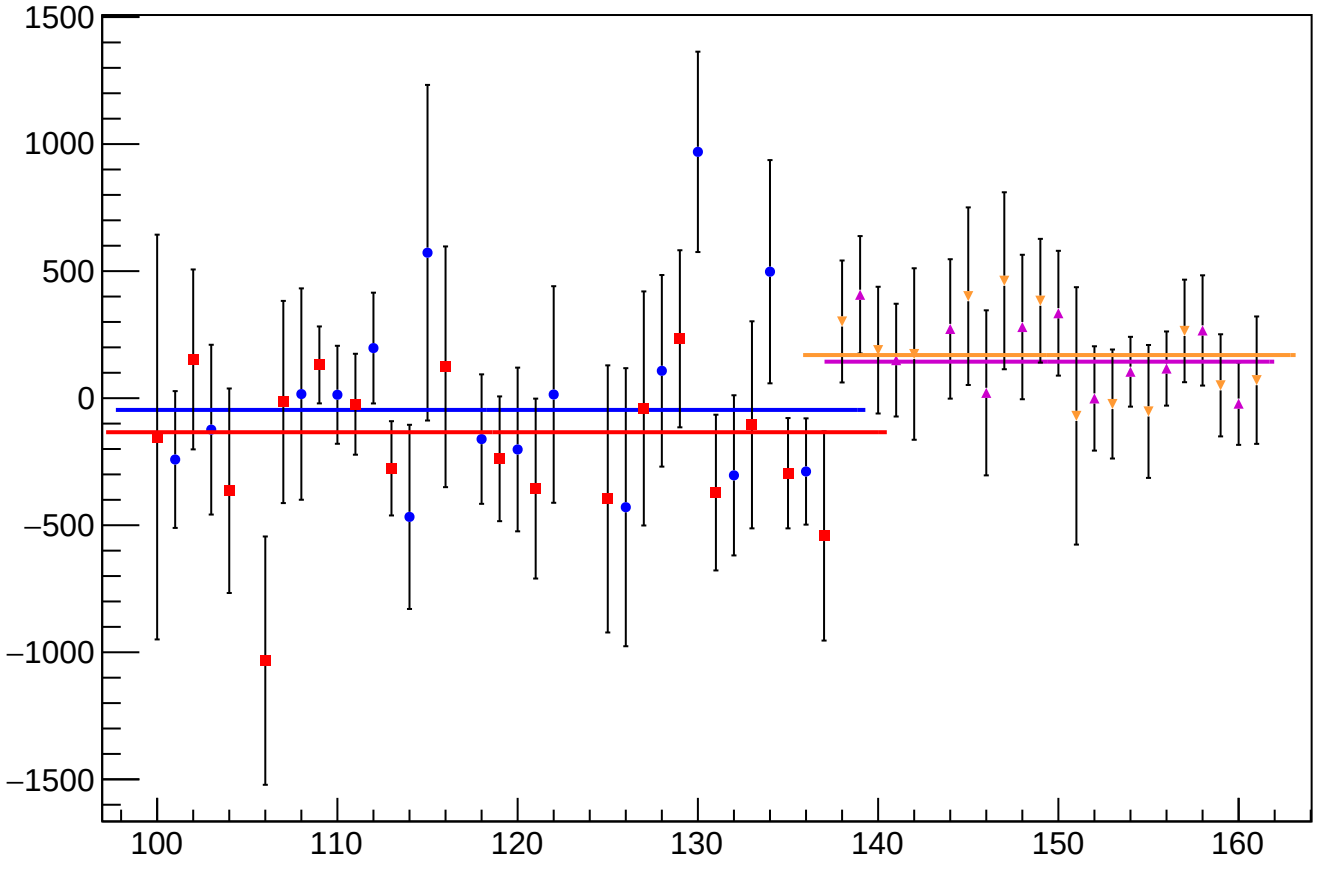
Left: 153.522+/-0.025 χ^2/NDF: 1335790.5/23

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 146.408+/-0.026 χ^2/NDF:1624688.3/26

Out: 143.642+/-0.025 χ^2/NDF:1669733.1/31

All: 144.952+/-0.018 χ^2/NDF: 3300210.2/58



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 169.754+/-74.328 χ^2/NDF:4.7/11

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 143.662+/-60.451 χ^2/NDF:4.5/10

Left: 154.050+/-46.898 χ^2/NDF: 9.2/22

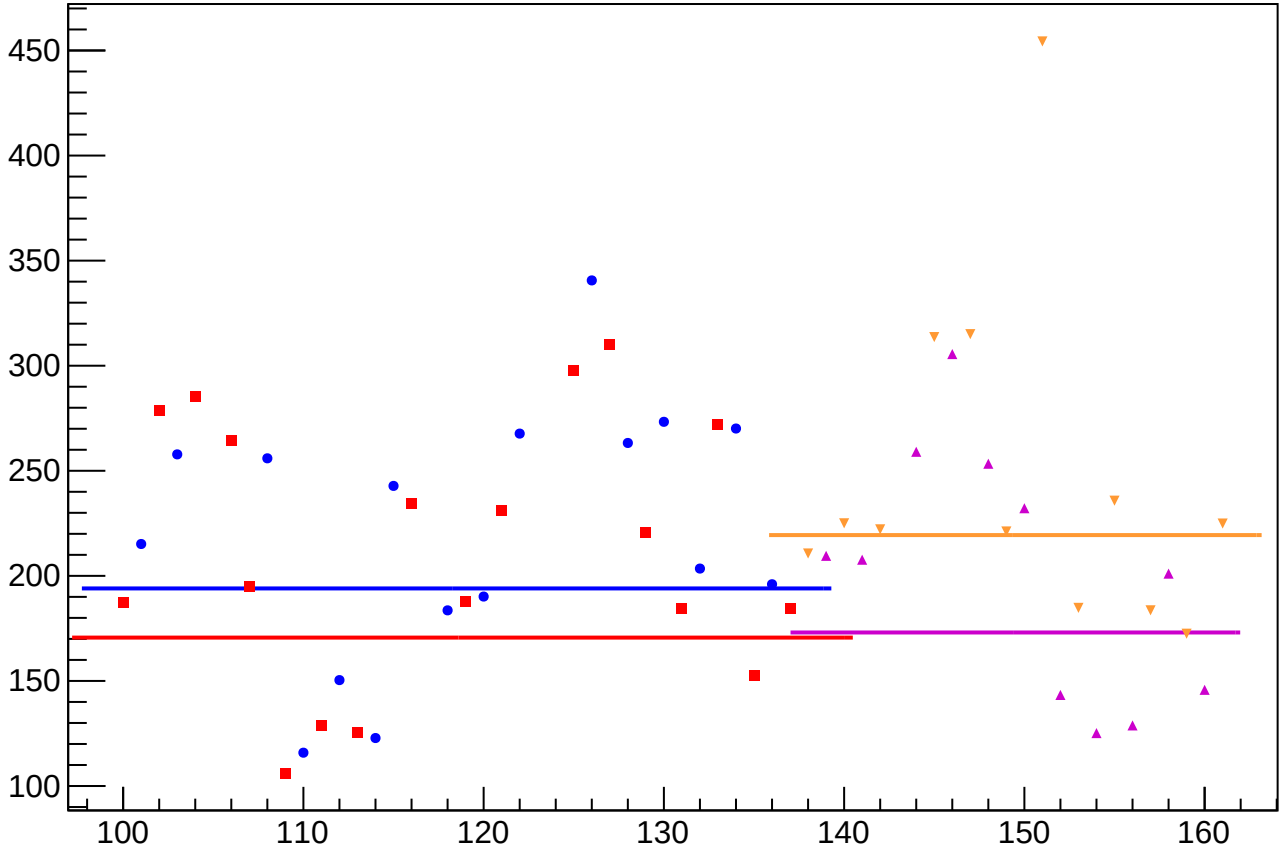
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 70.425+/-47.378 χ^2/NDF:23.7/26

Out: 5.359+/-50.337 χ^2/NDF:26.6/29

All: 39.861+/-34.500 χ^2/NDF: 51.2/56

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 219.402+/-0.053 χ^2/NDF:963171.7/11

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 173.057+/-0.043 χ^2/NDF:1461711.1/10

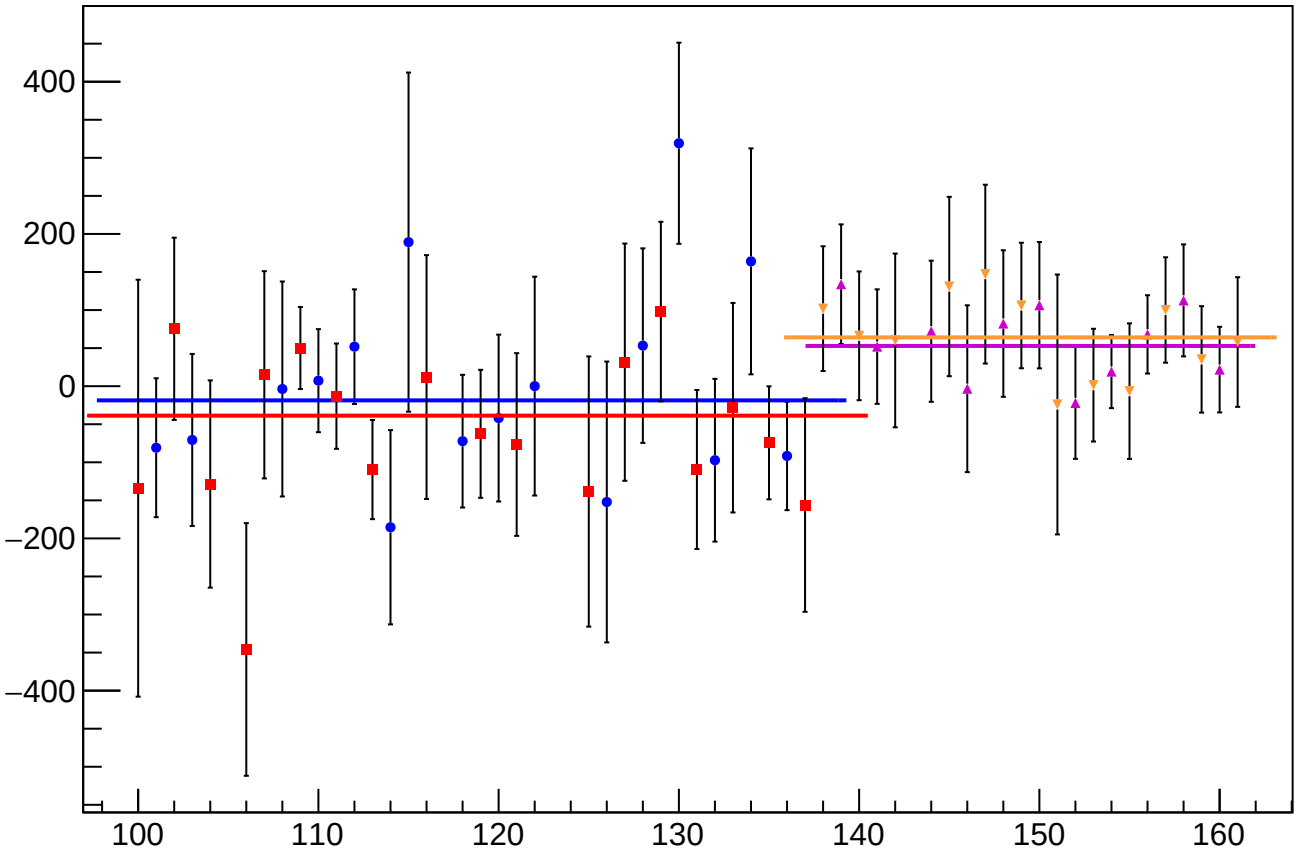
Left: 191.508+/-0.033 χ^2/NDF: 2892879.1/22

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.142+/-0.034 χ^2/NDF:2598044.4/26

Out: 192.995+/-0.036 χ^2/NDF:3023217.1/29

All: 186.710+/-0.024 χ^2/NDF: 5680063.4/56



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 64.098+/-25.393 χ^2/NDF:3.4/11

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 52.866+/-20.901 χ^2/NDF:4.5/10

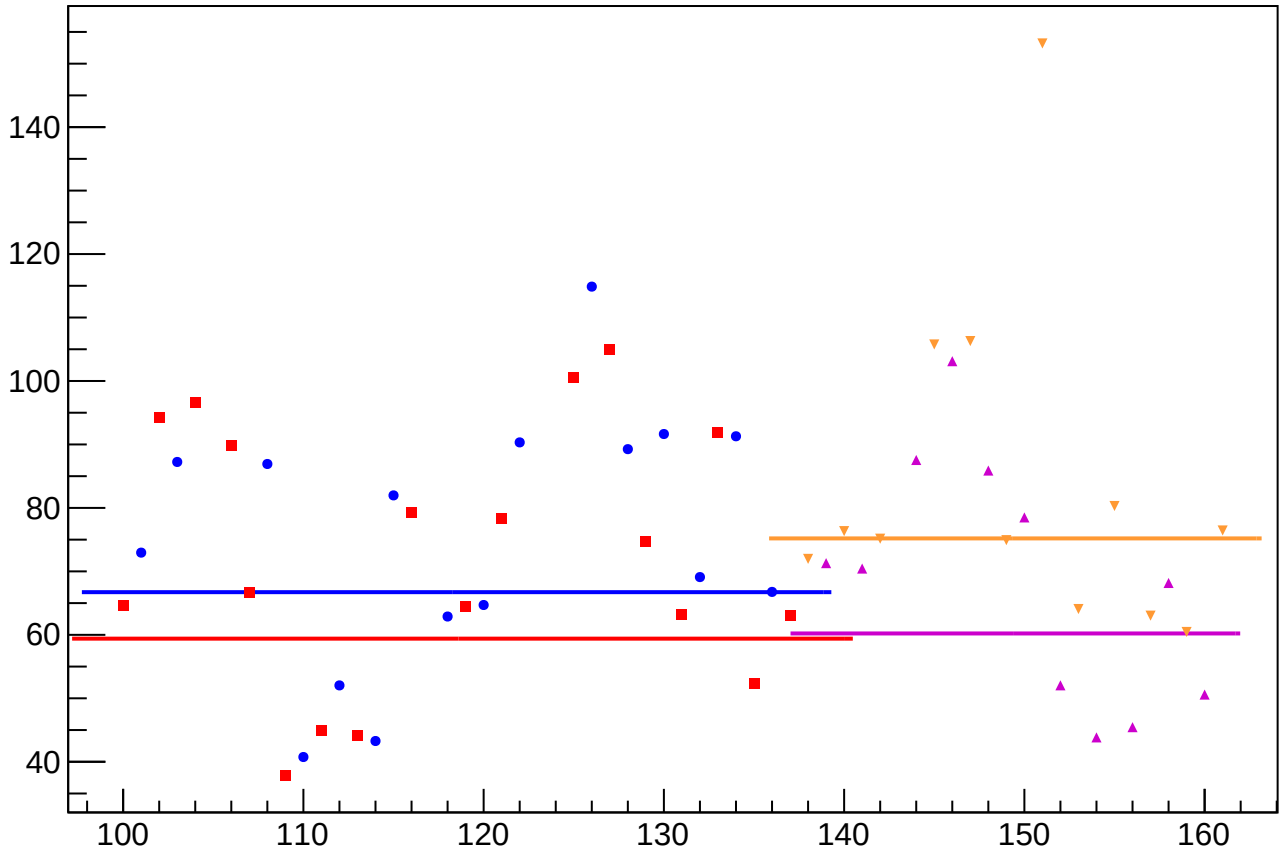
Left: 57.402+/-16.137 χ^2/NDF: 7.9/22

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.955+/-16.320 χ^2/NDF:24.2/26

Out: 9.044+/-17.307 χ^2/NDF:24.8/29

All: 17.466+/-11.874 χ^2/NDF: 49.4/56



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.194+/-0.018 χ^2/NDF:898408.8/11

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 60.218+/-0.015 χ^2/NDF:1300510.2/10

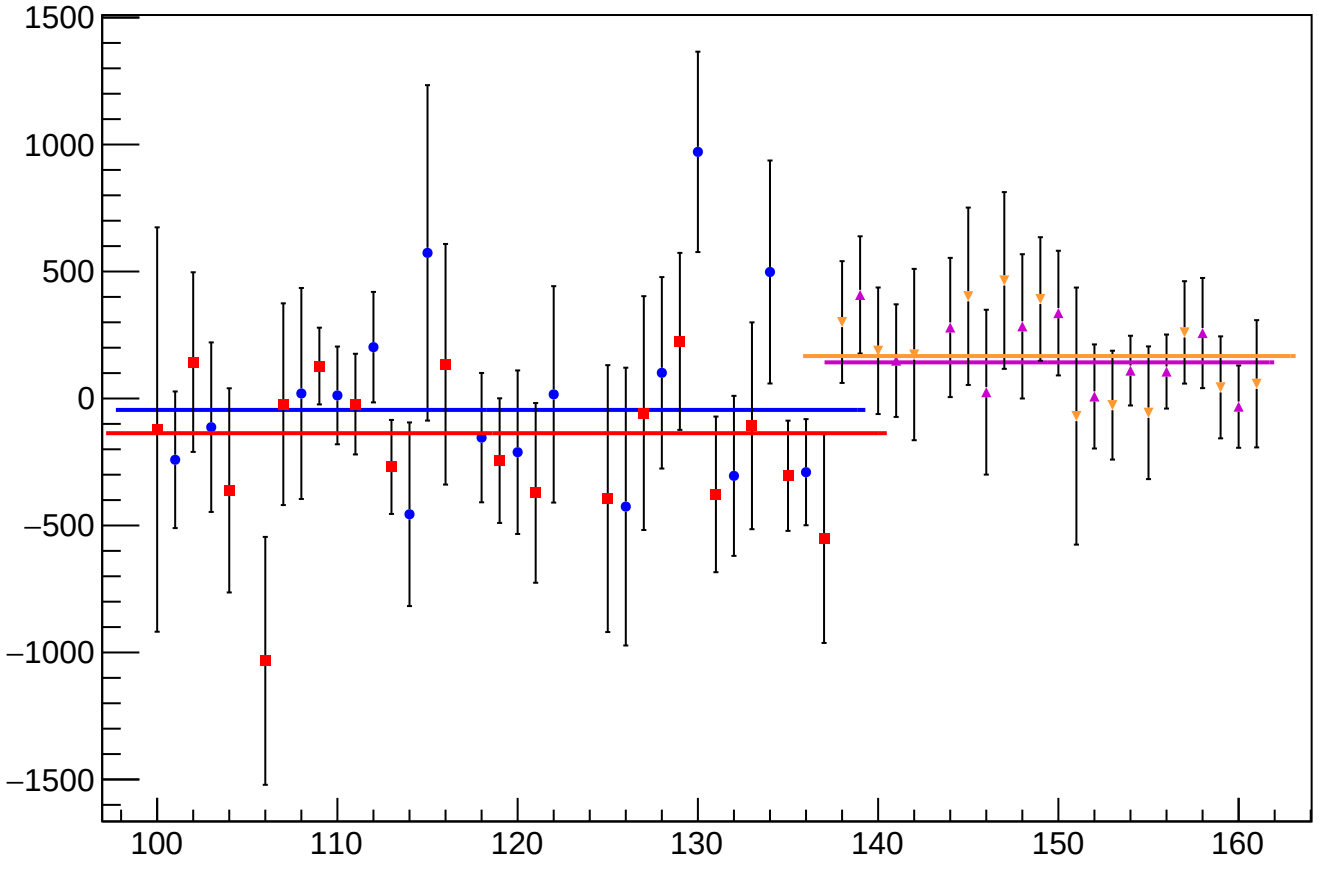
Left: 66.266+/-0.011 χ^2/NDF: 2613626.9/22

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.757+/-0.012 χ^2/NDF:2323196.6/26

Out: 66.737+/-0.012 χ^2/NDF:2758051.1/29

All: 64.631+/-0.008 χ^2/NDF: 5137226.8/56



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 167.115+/-74.264 χ^2/NDF:4.9/11

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 142.322+/-60.395 χ^2/NDF:4.6/10

Left: 152.192+/-46.856 χ^2/NDF: 9.5/22

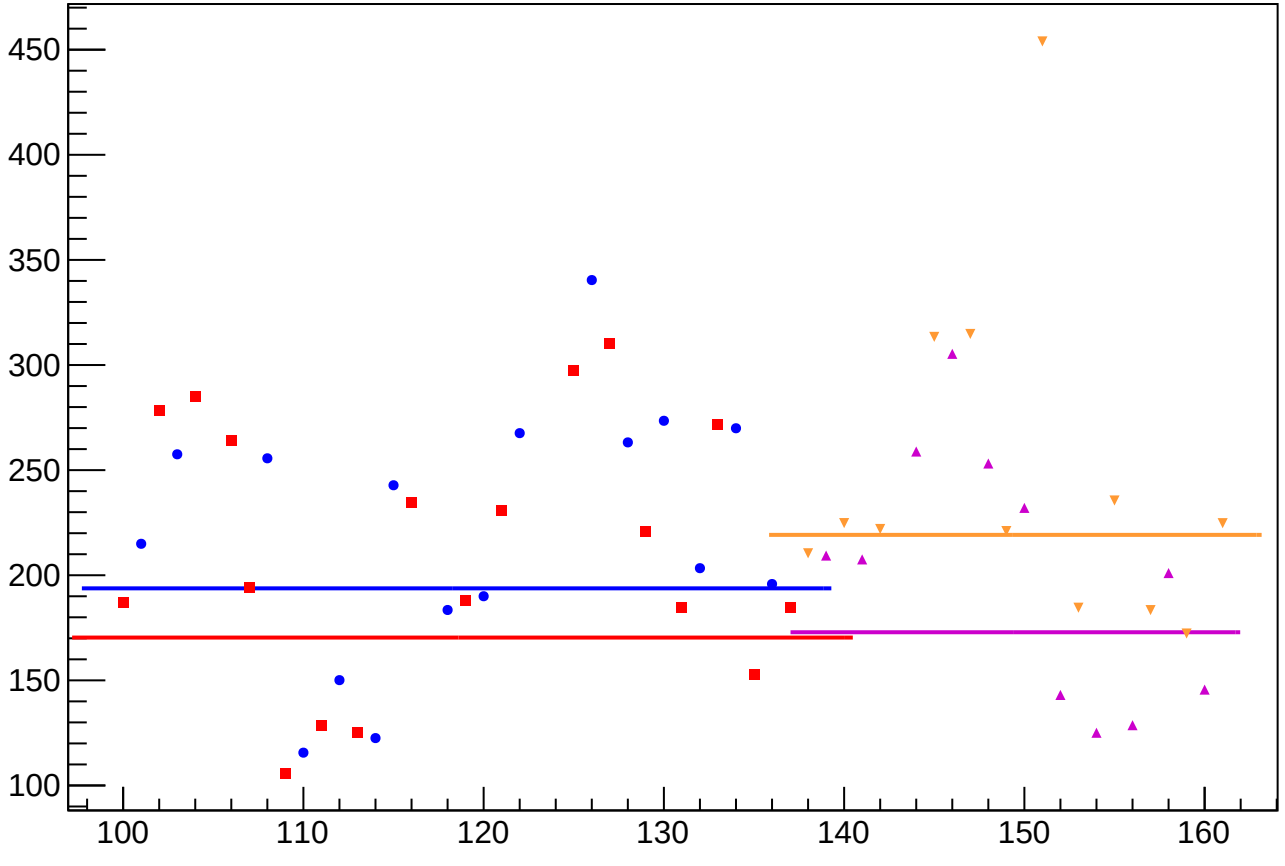
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 70.080+/-47.331 χ^2/NDF:23.7/26

Out: 2.635+/-50.281 χ^2/NDF:26.8/29

All: 38.394+/-34.464 χ^2/NDF: 51.5/56

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.206+/-0.053 χ^2/NDF:963861.4/11

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

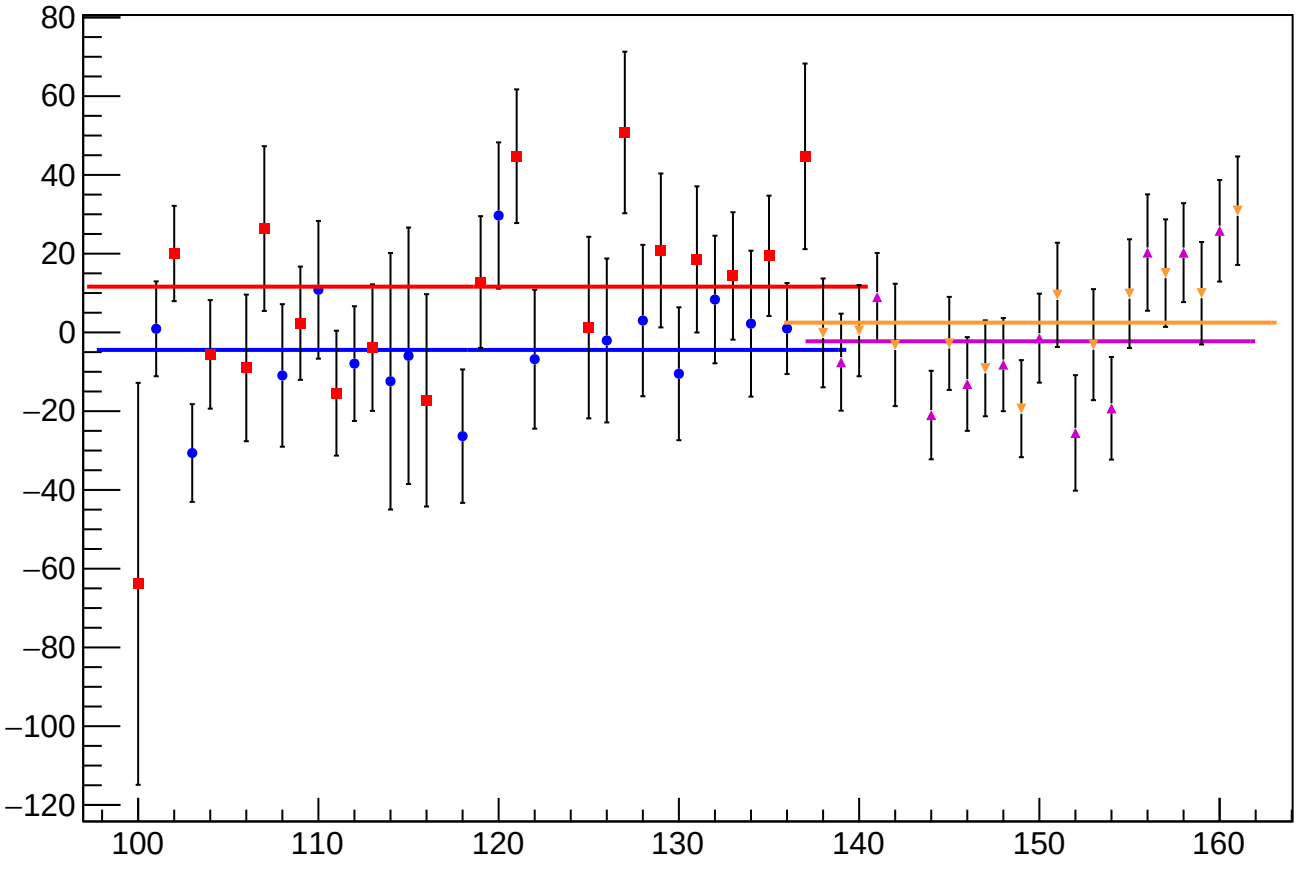
Left: 191.324+/-0.033 χ^2/NDF: 2895876.3/22

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 180.942+/-0.033 χ^2/NDF:2604009.5/26

Out: 192.750+/-0.036 χ^2/NDF:3031544.1/29

All: 186.489+/-0.024 χ^2/NDF: 5694037.1/56



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.487+/-3.784 χ^2/NDF:10.6/11

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -2.256+/-3.727 χ^2/NDF:19.5/10

Left: 0.080+/-2.655 χ^2/NDF: 31.0/22

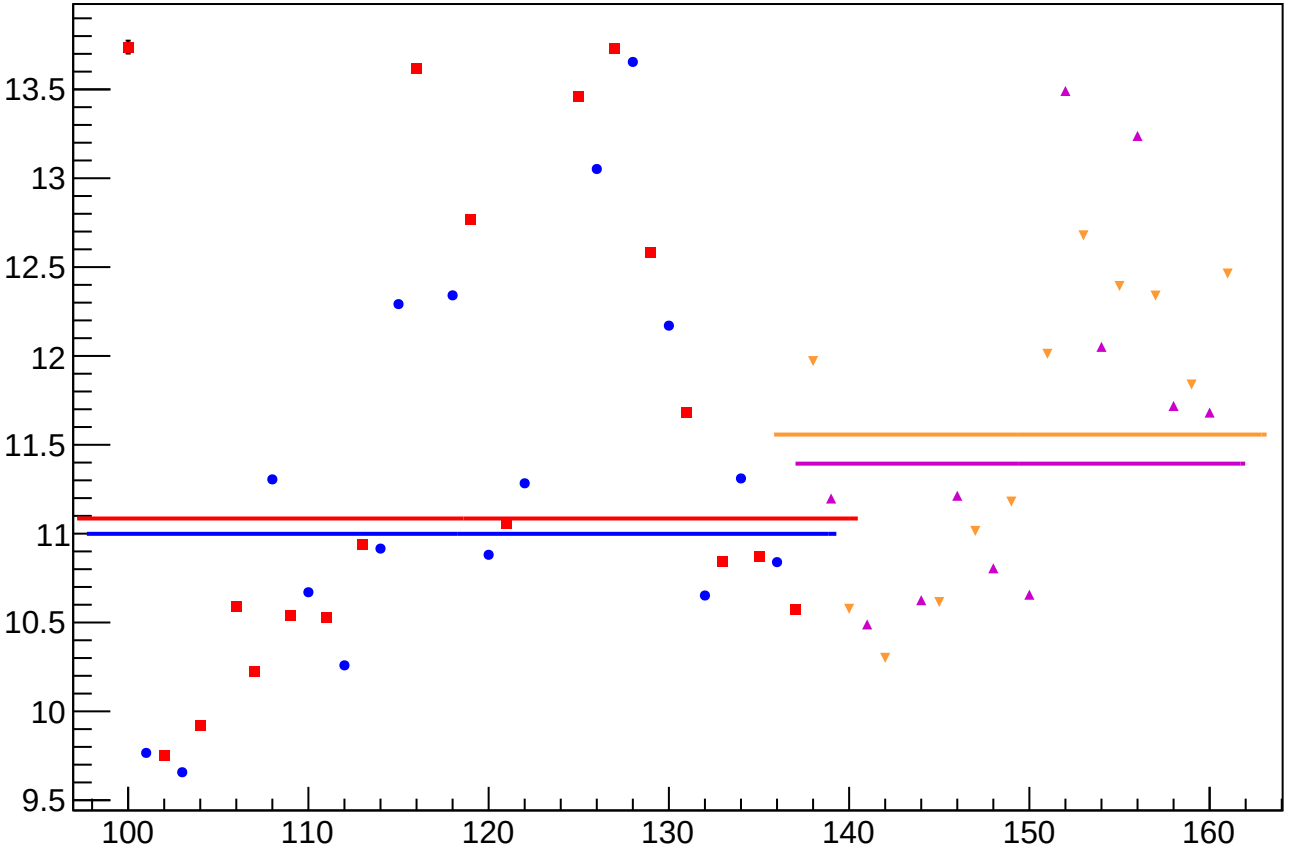
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -3.236+/-2.767 χ^2/NDF:31.7/26

Out: 6.651+/-2.792 χ^2/NDF:34.9/29

All: 1.663+/-1.965 χ^2/NDF: 72.9/56

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.558+/-0.003 χ^2/NDF:86263.1/11

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

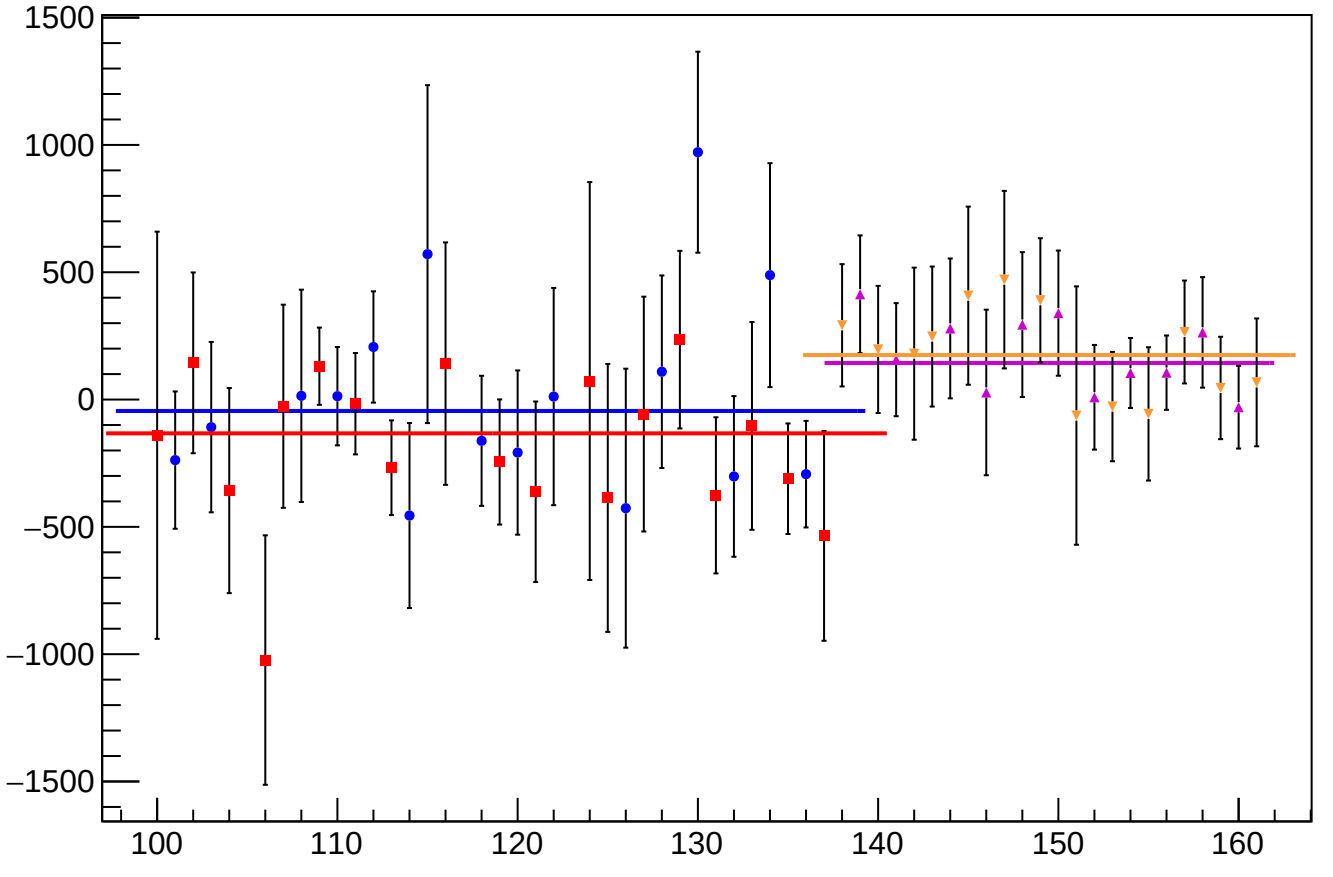
Left: 11.475+/-0.002 χ^2/NDF: 204469.5/22

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.217+/-0.002 χ^2/NDF:262544.5/26

Out: 11.342+/-0.002 χ^2/NDF:262664.7/29

All: 11.279+/-0.001 χ^2/NDF: 527255.0/56



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 174.749+/-71.816 χ^2/NDF:4.9/12

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 143.717+/-60.490 χ^2/NDF:4.7/10

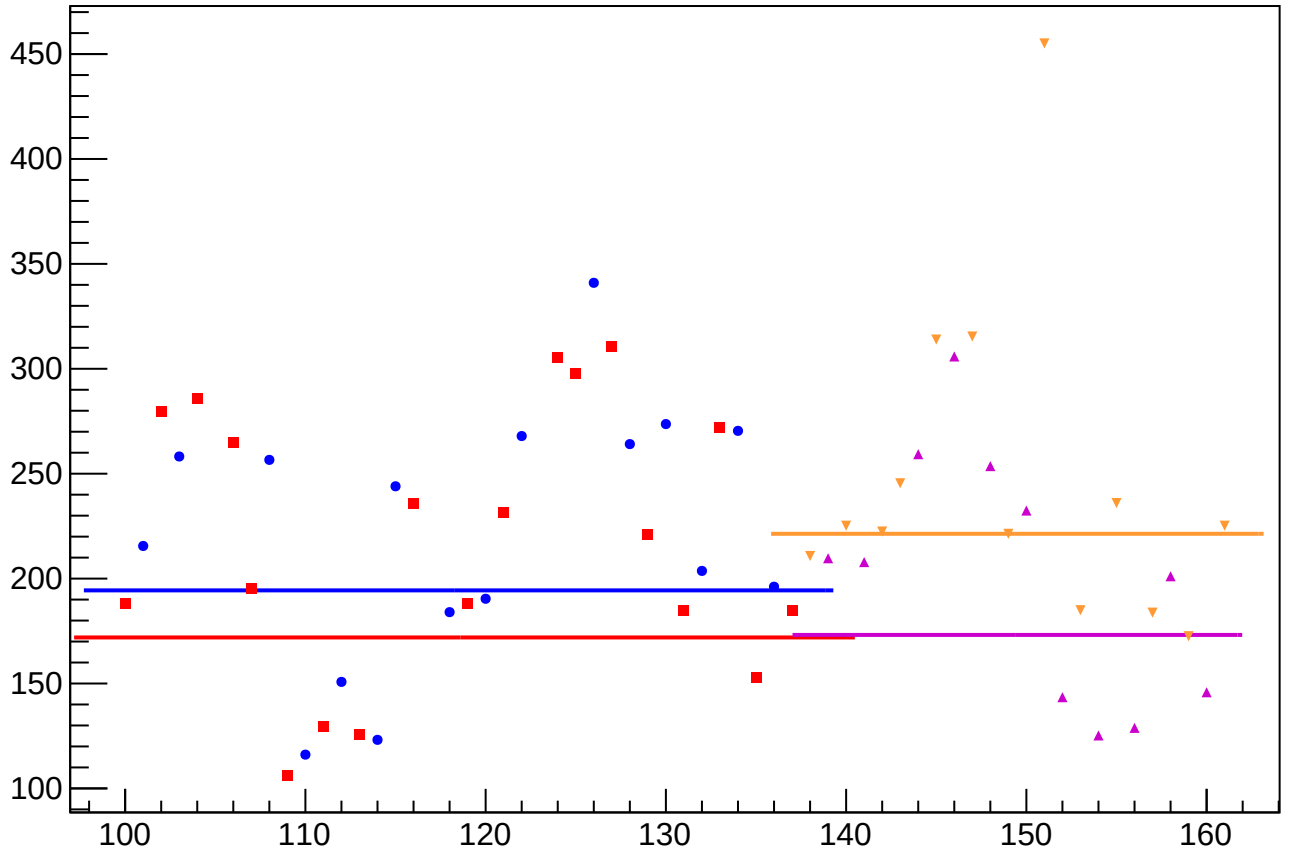
Left: 156.596+/-46.265 χ^2/NDF: 9.7/23

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.106+/-47.430 χ^2/NDF:23.8/26

Out: 13.231+/-49.480 χ^2/NDF:27.4/31

All: 43.392+/-34.240 χ^2/NDF: 52.0/58



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.358+/-0.051 χ^2/NDF:981058.0/12

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

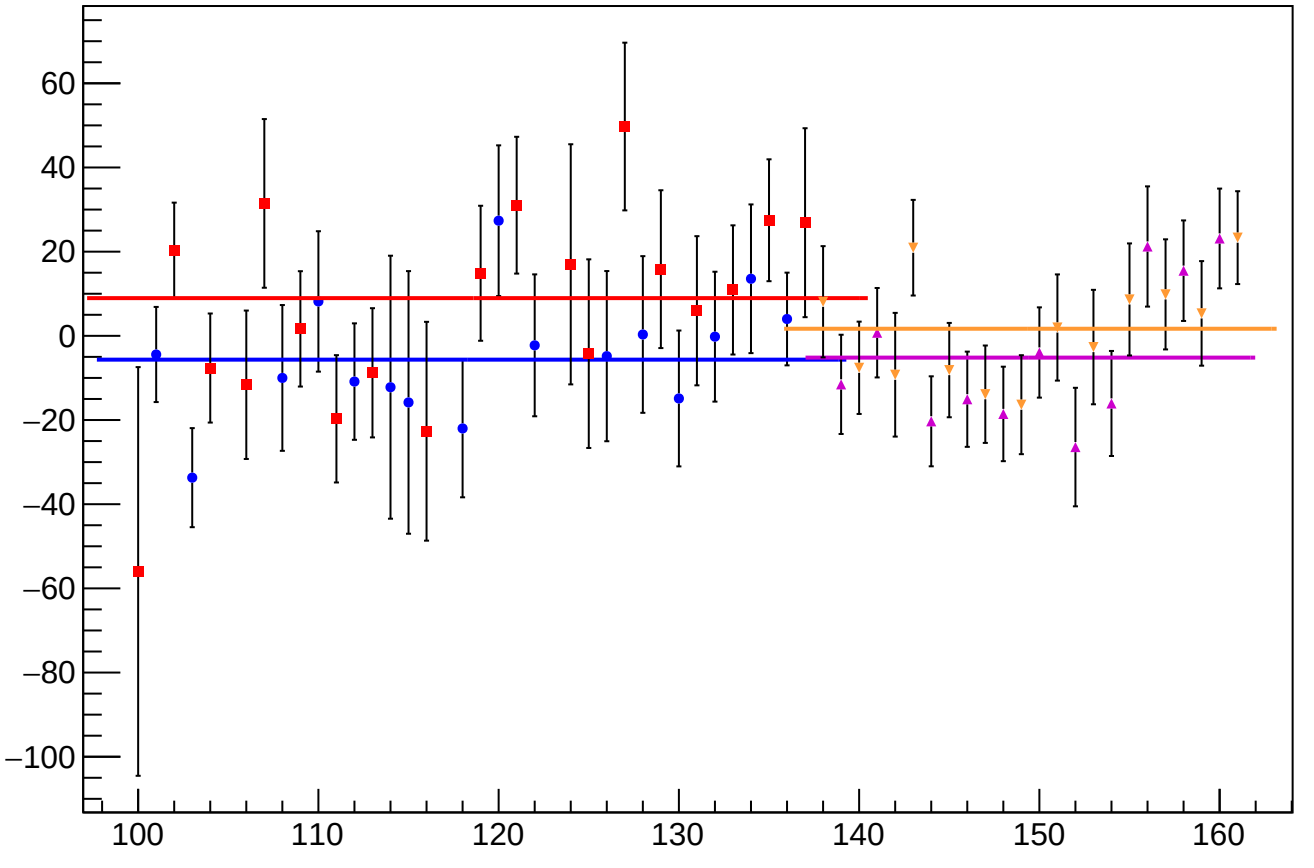
Left: 193.159+/-0.033 χ^2/NDF: 2971842.9/23

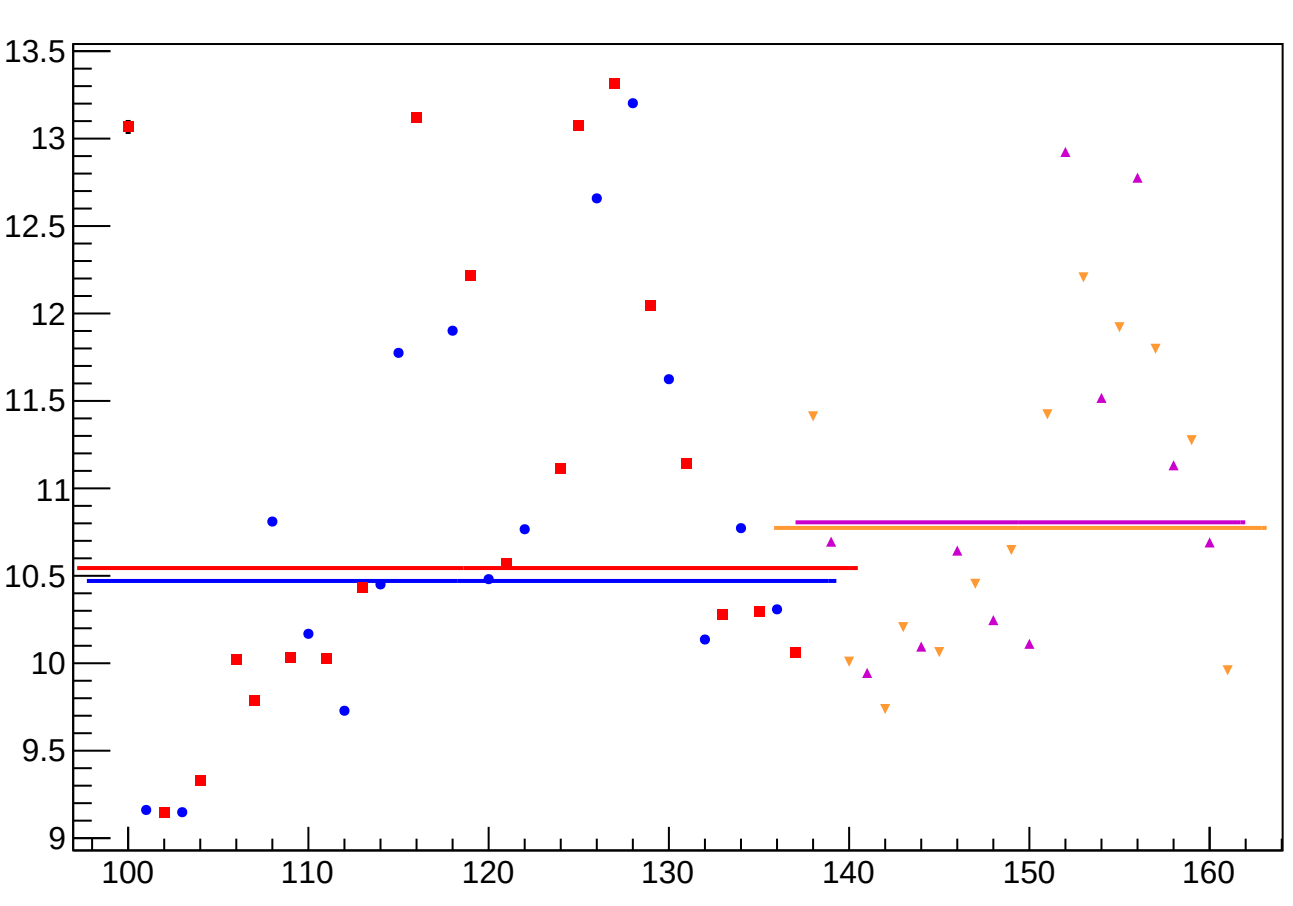
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.332+/-0.034 χ^2/NDF:2600612.1/26

Out: 195.403+/-0.035 χ^2/NDF:3129684.9/31

All: 188.070+/-0.024 χ^2/NDF: 5814593.4/58


asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: 1.686+/-3.391 χ²/NDF:14.0/12
Right Out: 8.960+/-3.901 χ²/NDF: 22.8/18
Left In: -5.174+/-3.541 χ²/NDF:20.0/10
Left: -1.595+/-2.449 χ²/NDF: 35.9/23
Right: 1.723+/-2.772 χ²/NDF: 43.4/34
In: -5.390+/-2.633 χ²/NDF:33.6/26
Out: 4.817+/-2.559 χ²/NDF:38.8/31
All: -0.141+/-1.835 χ²/NDF: 80.2/58



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.774+/-0.002 χ^2/NDF:107901.7/12

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

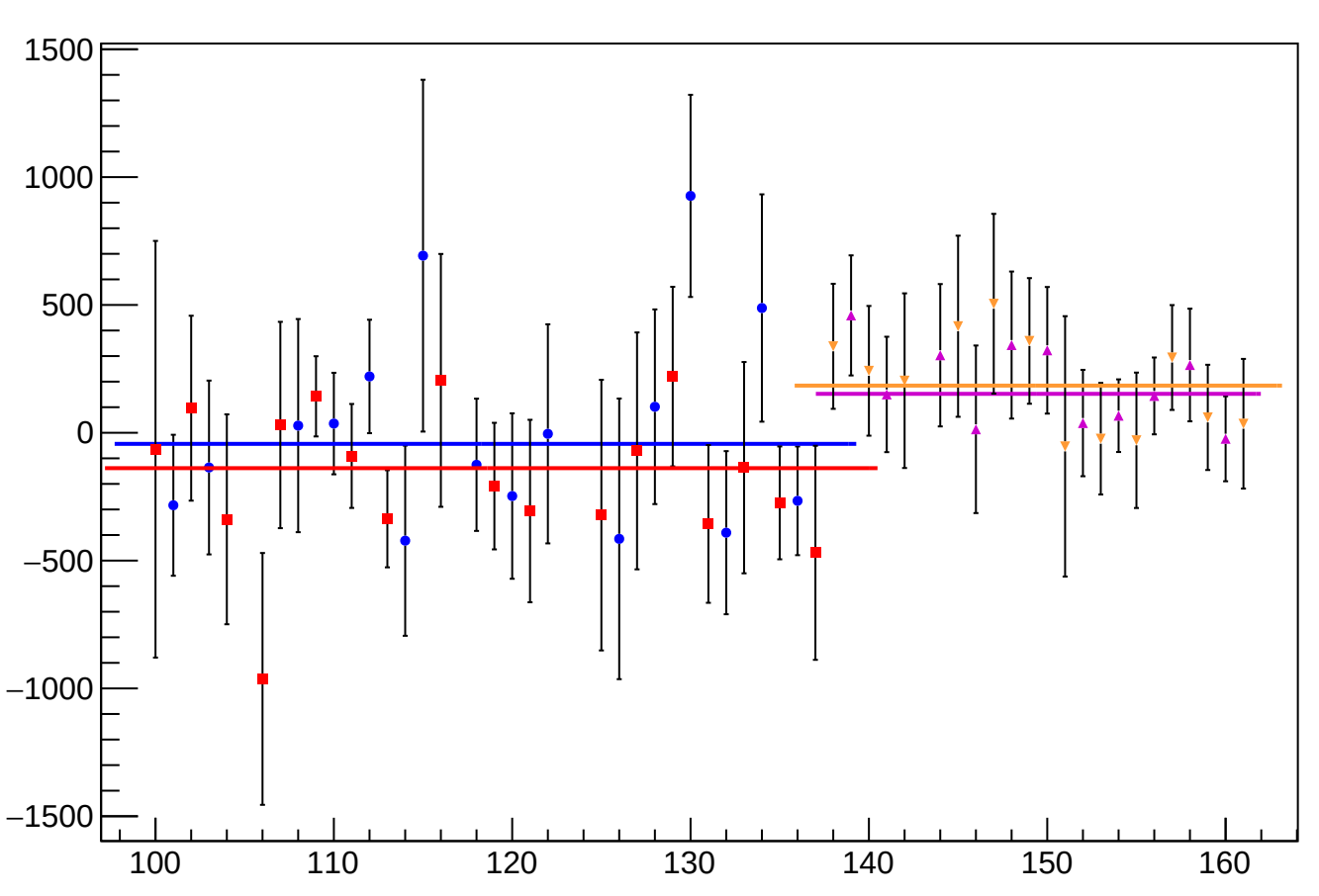
Left: 10.789+/-0.002 χ^2/NDF: 235401.9/23

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.656+/-0.002 χ^2/NDF:292794.8/26

Out: 10.675+/-0.002 χ^2/NDF:298626.3/31

All: 10.666+/-0.001 χ^2/NDF: 591475.1/58



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 184.479+/-75.485 χ^2/NDF:5.0/11

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 152.262+/-61.779 χ^2/NDF:5.1/10

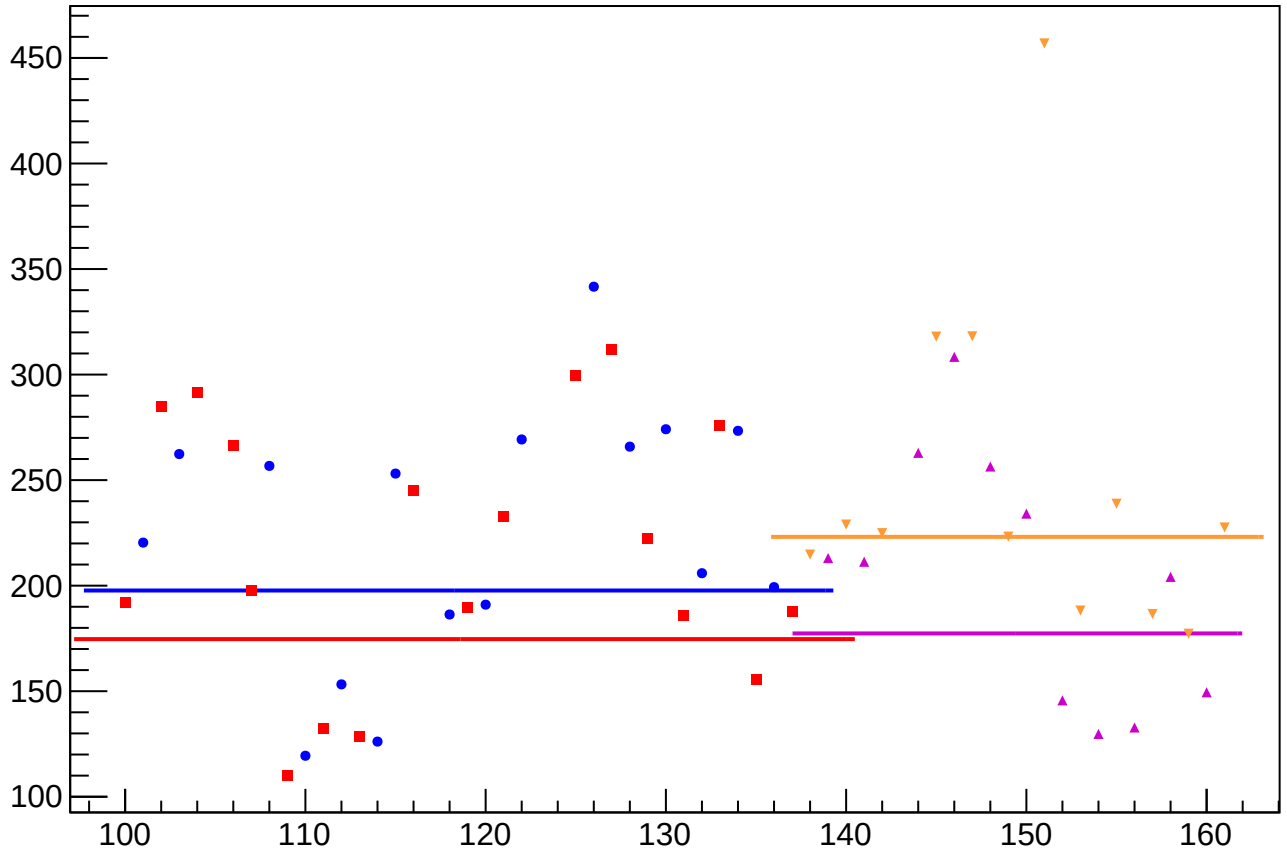
Left: 165.185+/-47.808 χ^2/NDF: 10.2/22

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 76.346+/-48.328 χ^2/NDF:24.5/26

Out: 10.471+/-51.261 χ^2/NDF:26.3/29

All: 45.347+/-35.164 χ^2/NDF: 51.7/56



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.118+/-0.053 χ^2/NDF:936065.3/11

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

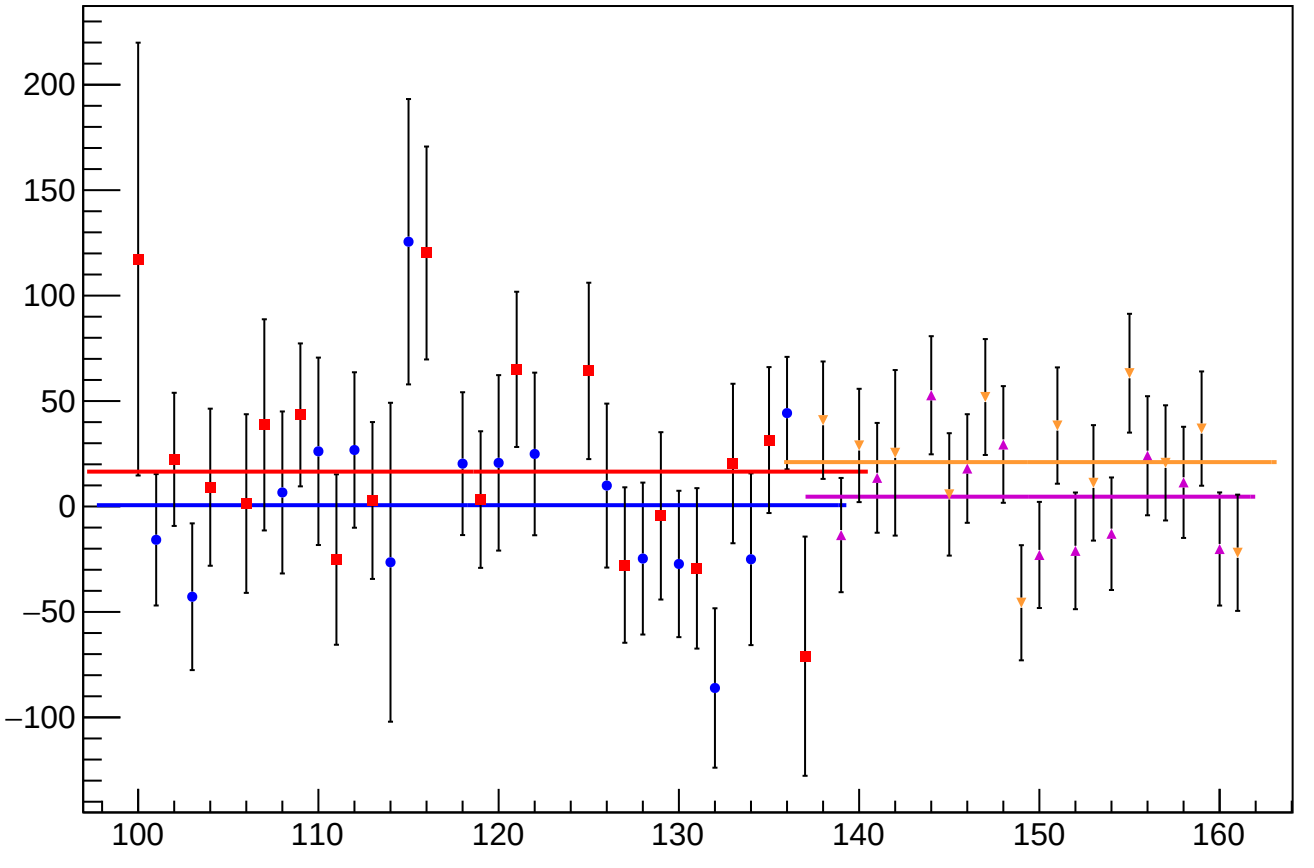
Left: 195.720+/-0.034 χ^2/NDF: 2764862.9/22

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.260+/-0.034 χ^2/NDF:2473263.4/26

Out: 197.018+/-0.036 χ^2/NDF:2914591.4/29

All: 190.793+/-0.025 χ^2/NDF: 5443556.8/56



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 21.046+/-8.136 χ^2/NDF:13.7/11

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 4.651+/-8.084 χ^2/NDF:8.5/10

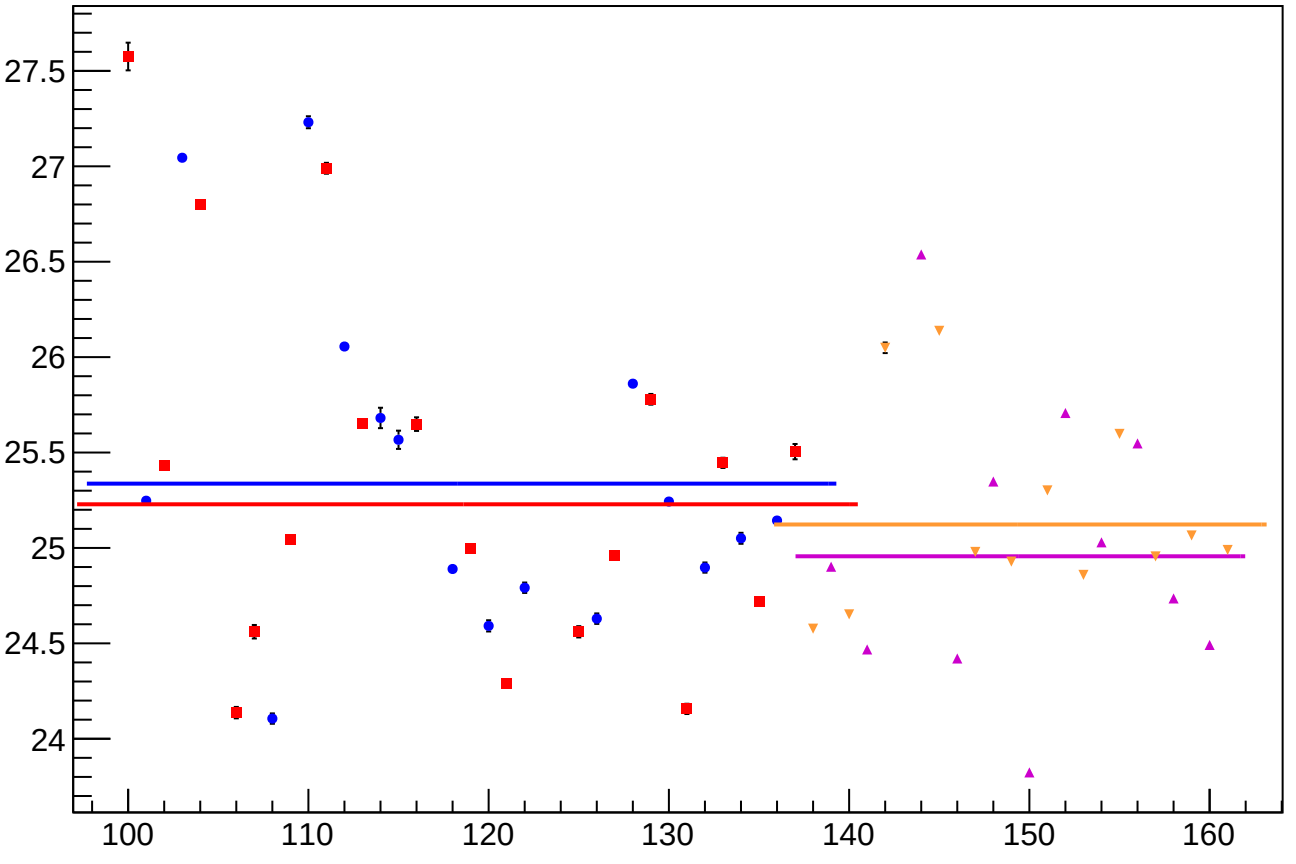
Left: 12.795+/-5.735 χ^2/NDF: 24.2/22

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.941+/-6.135 χ^2/NDF:25.3/26

Out: 19.091+/-6.126 χ^2/NDF:30.2/29

All: 11.029+/-4.335 χ^2/NDF: 59.0/56



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.123+/-0.006 χ^2/NDF:6068.0/11

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

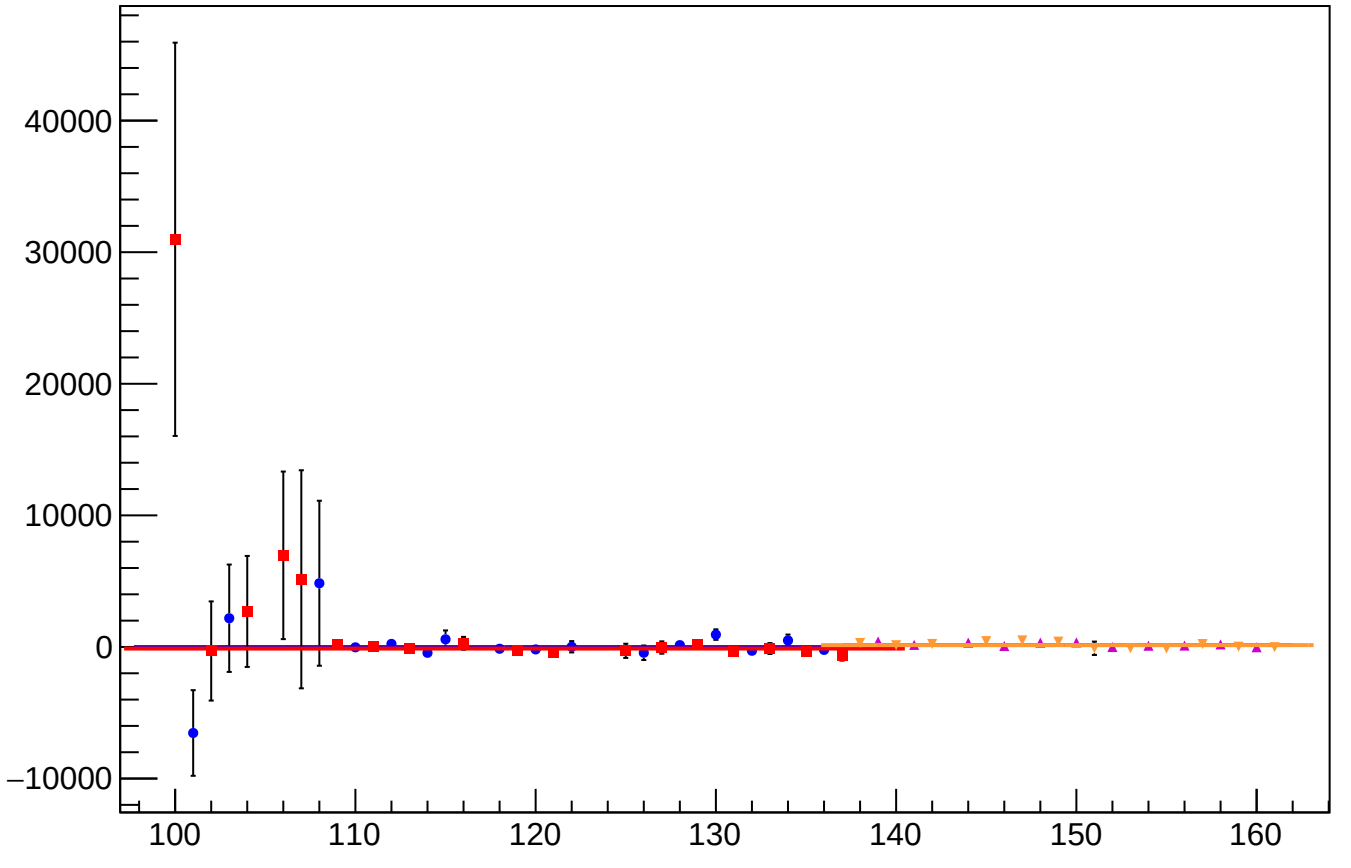
Left: 25.039+/-0.004 χ^2/NDF: 22005.9/22

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.118+/-0.004 χ^2/NDF:31711.7/26

Out: 25.169+/-0.004 χ^2/NDF:21390.7/29

All: 25.143+/-0.003 χ^2/NDF: 53171.8/56



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 139.763+/-76.744 χ^2/NDF:6.2/11

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 146.976+/-63.126 χ^2/NDF:4.5/10

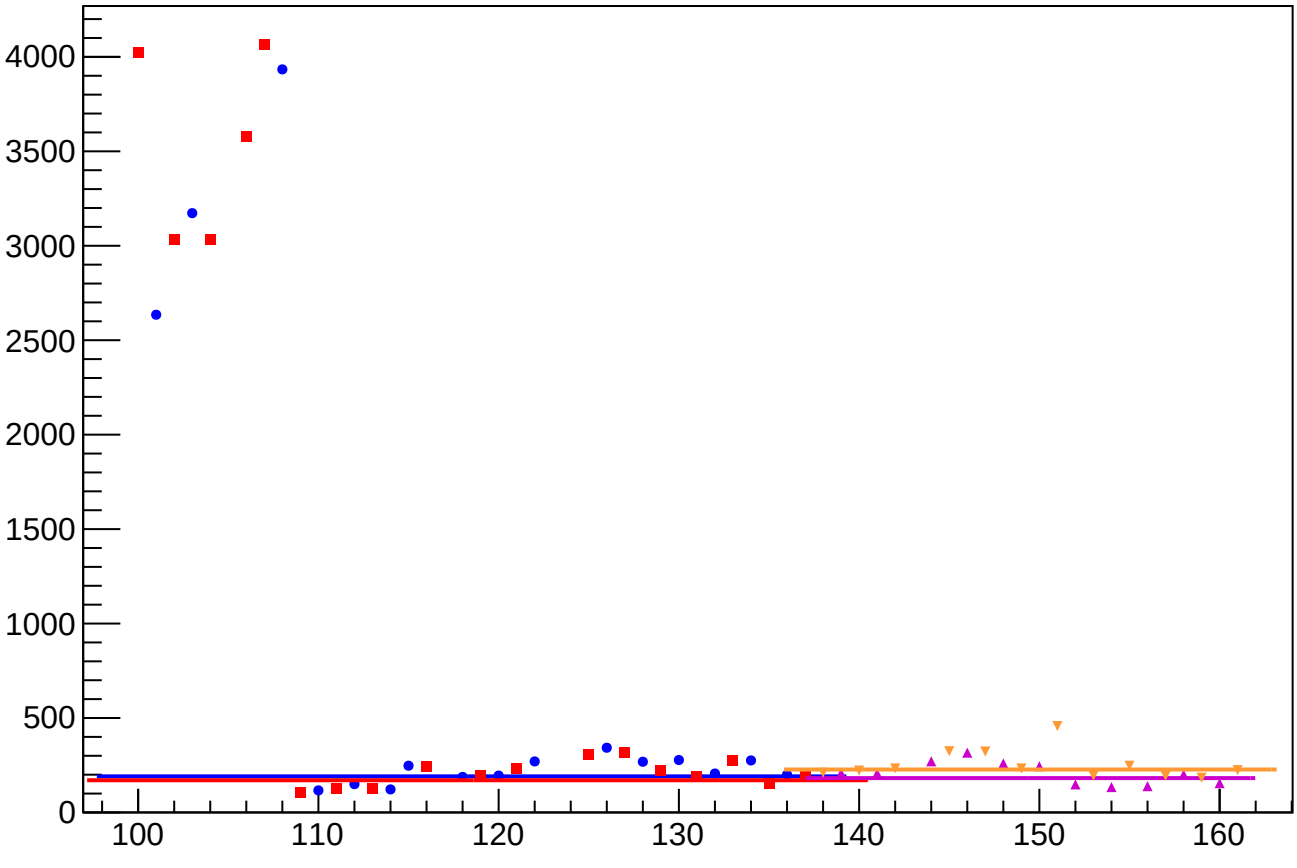
Left: 144.065+/-48.752 χ^2/NDF: 10.7/22

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 89.577+/-50.562 χ^2/NDF:25.1/26

Out: 12.409+/-54.790 χ^2/NDF:26.2/29

All: 54.085+/-37.158 χ^2/NDF: 52.4/56



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.293+/-0.054 χ^2/NDF:894746.1/11

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

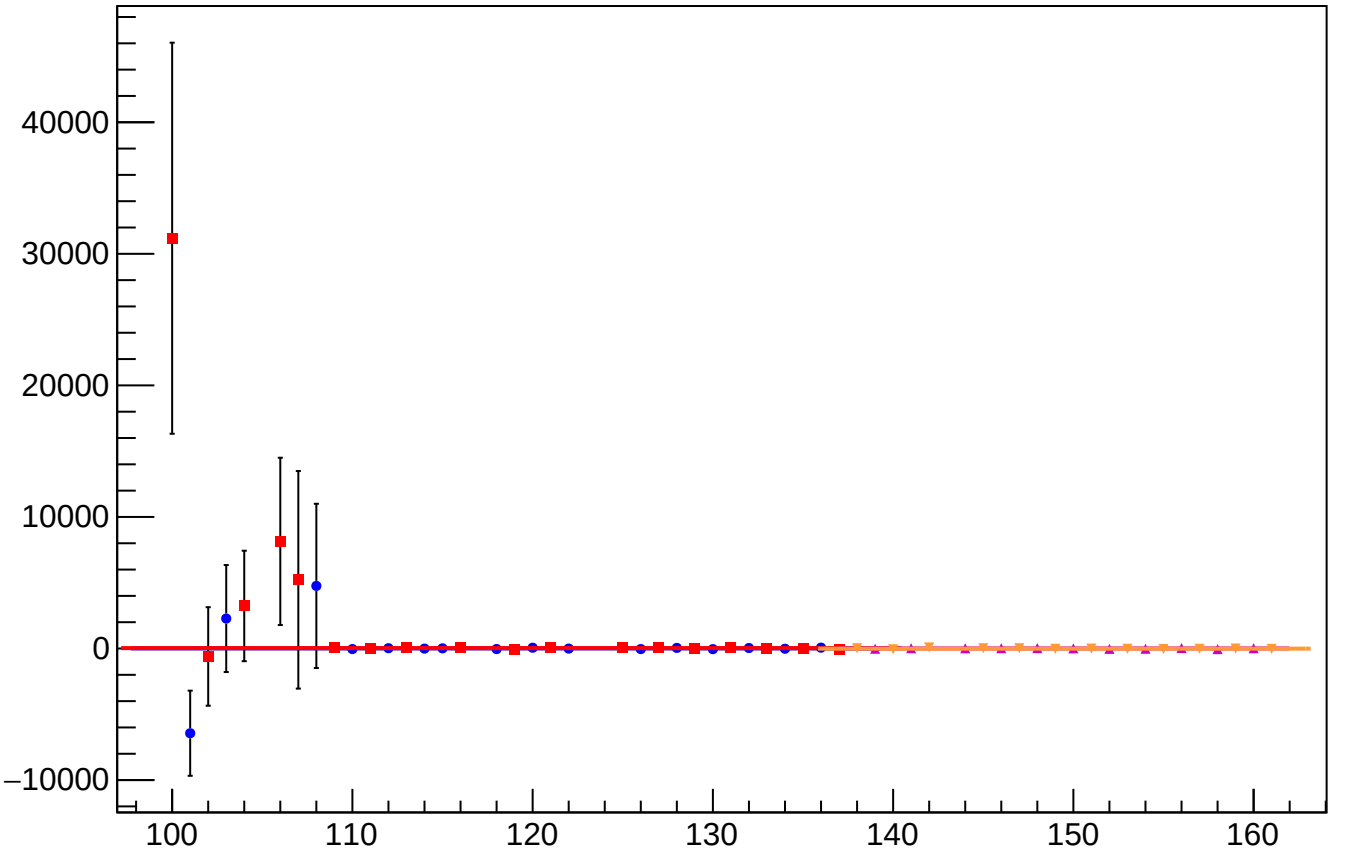
Left: 200.177+/-0.034 χ^2/NDF: 2608905.7/22

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.142+/-0.036 χ^2/NDF:5144843.1/26

Out: 199.444+/-0.039 χ^2/NDF:5686707.6/29

All: 191.720+/-0.026 χ^2/NDF: 10905152.4/56



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.442+/-9.563 χ^2/NDF:10.3/11

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 5.387+/-9.626 χ^2/NDF:7.5/10

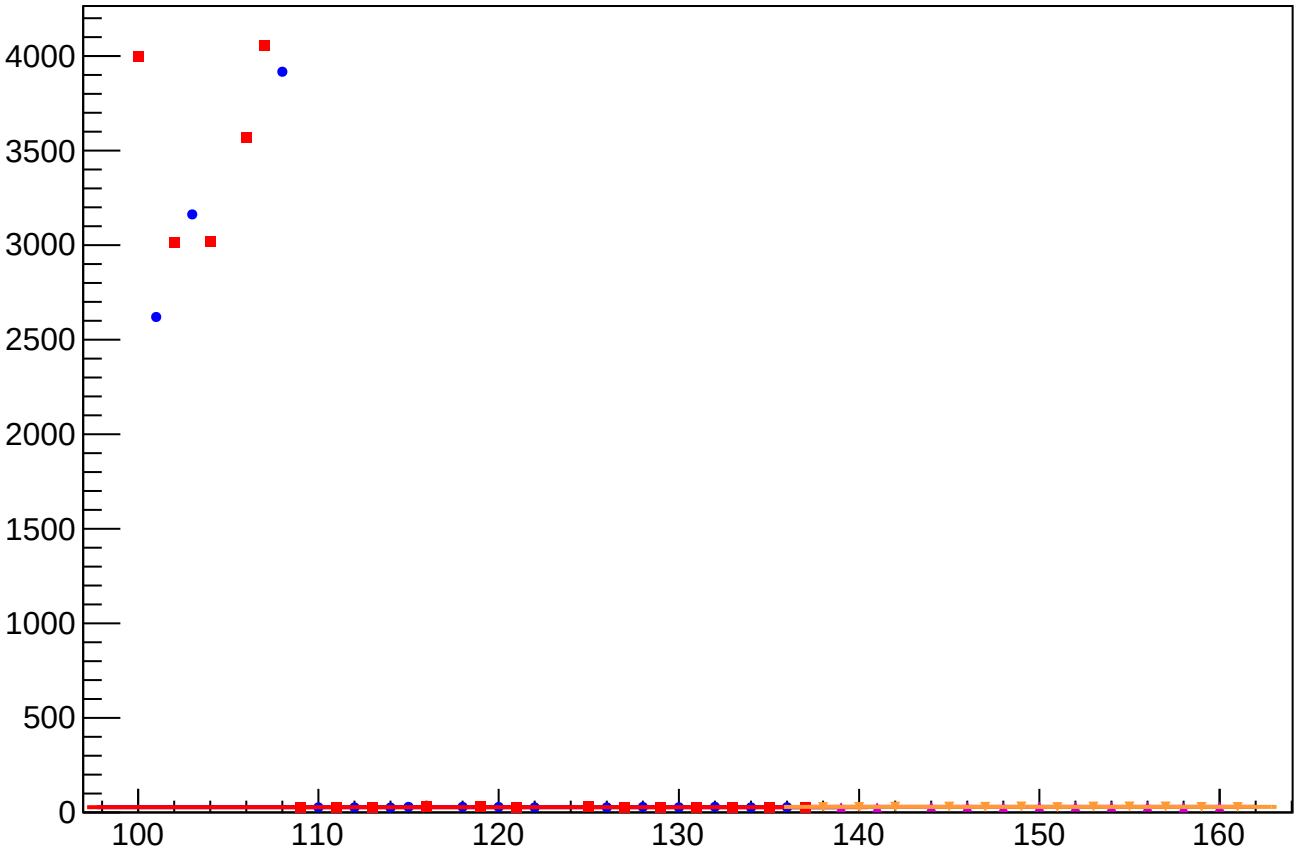
Left: -2.076+/-6.784 χ^2/NDF: 19.0/22

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 5.829+/-7.450 χ^2/NDF:25.8/26

Out: 6.032+/-7.499 χ^2/NDF:37.0/29

All: 5.930+/-5.285 χ^2/NDF: 62.7/56



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.478+/-0.007 χ^2/NDF:33428.1/11

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

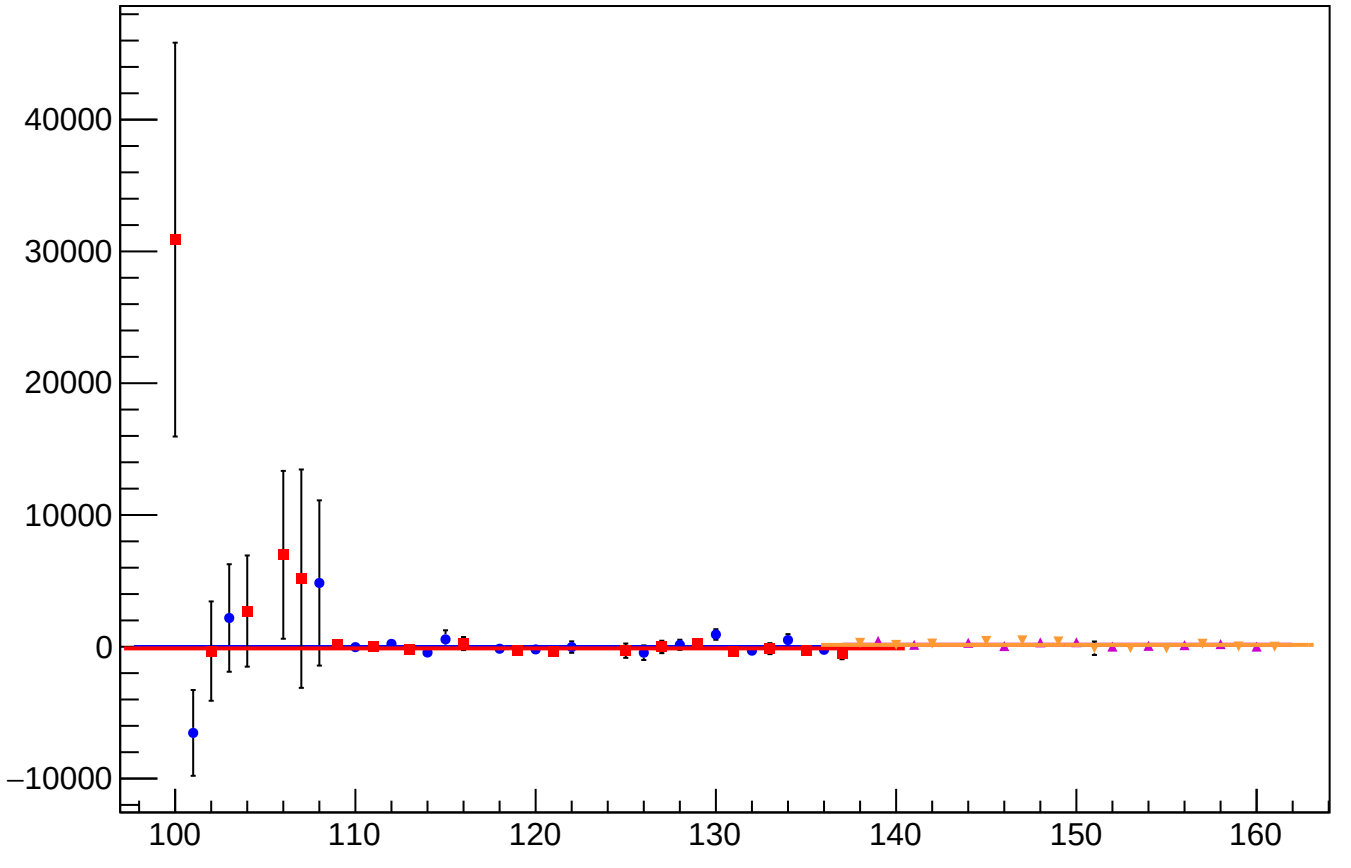
Left: 29.558+/-0.005 χ^2/NDF: 102461.6/22

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.911+/-0.005 χ^2/NDF:3363137.2/26

Out: 28.823+/-0.005 χ^2/NDF:3616162.4/29

All: 28.868+/-0.004 χ^2/NDF: 6979438.3/56



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 143.024+/-77.312 χ^2/NDF:6.1/11

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 153.905+/-63.741 χ^2/NDF:4.3/10

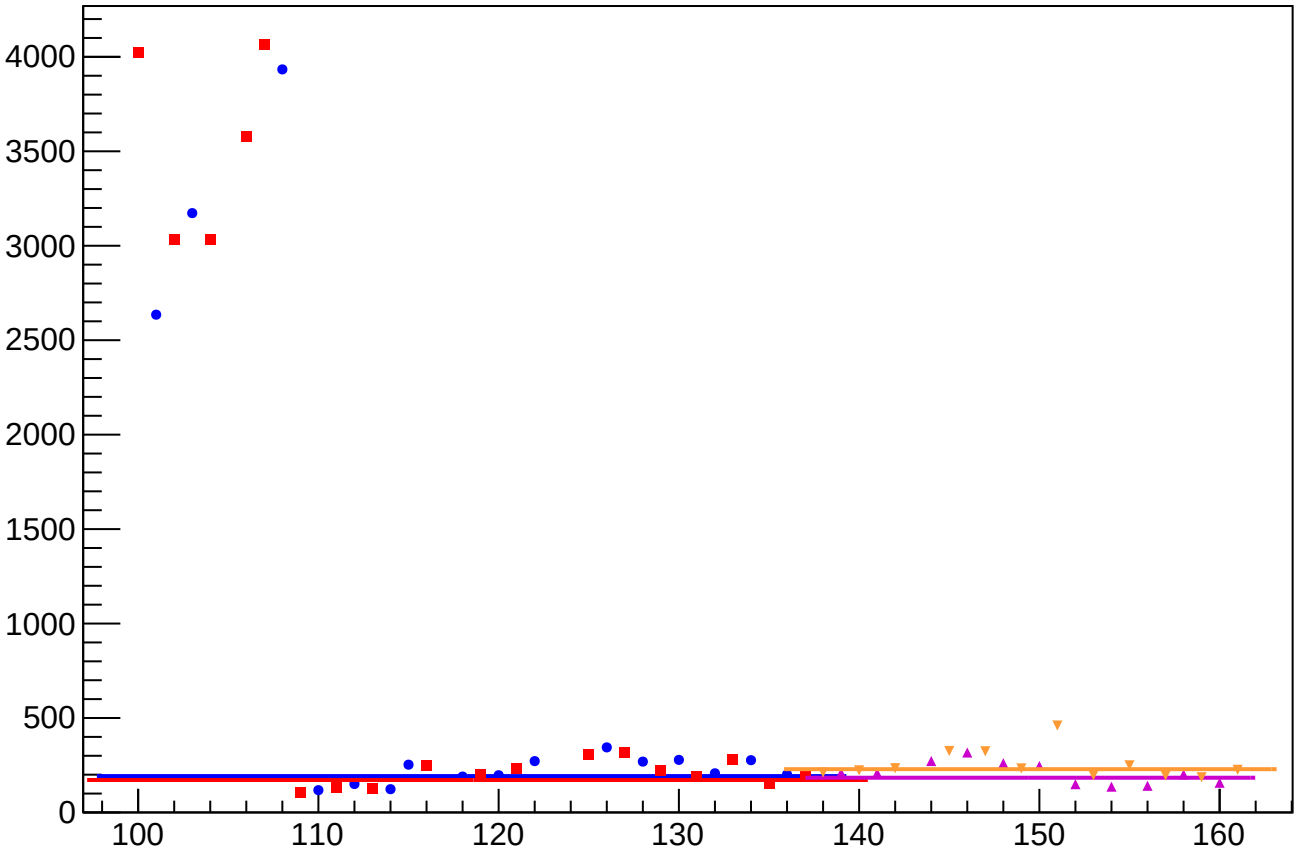
Left: 149.501+/-49.181 χ^2/NDF: 10.5/22

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 91.541+/-51.009 χ^2/NDF:25.2/26

Out: 13.335+/-55.202 χ^2/NDF:25.1/29

All: 55.520+/-37.463 χ^2/NDF: 51.4/56



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.108+/-0.055 χ^2/NDF:881005.8/11

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

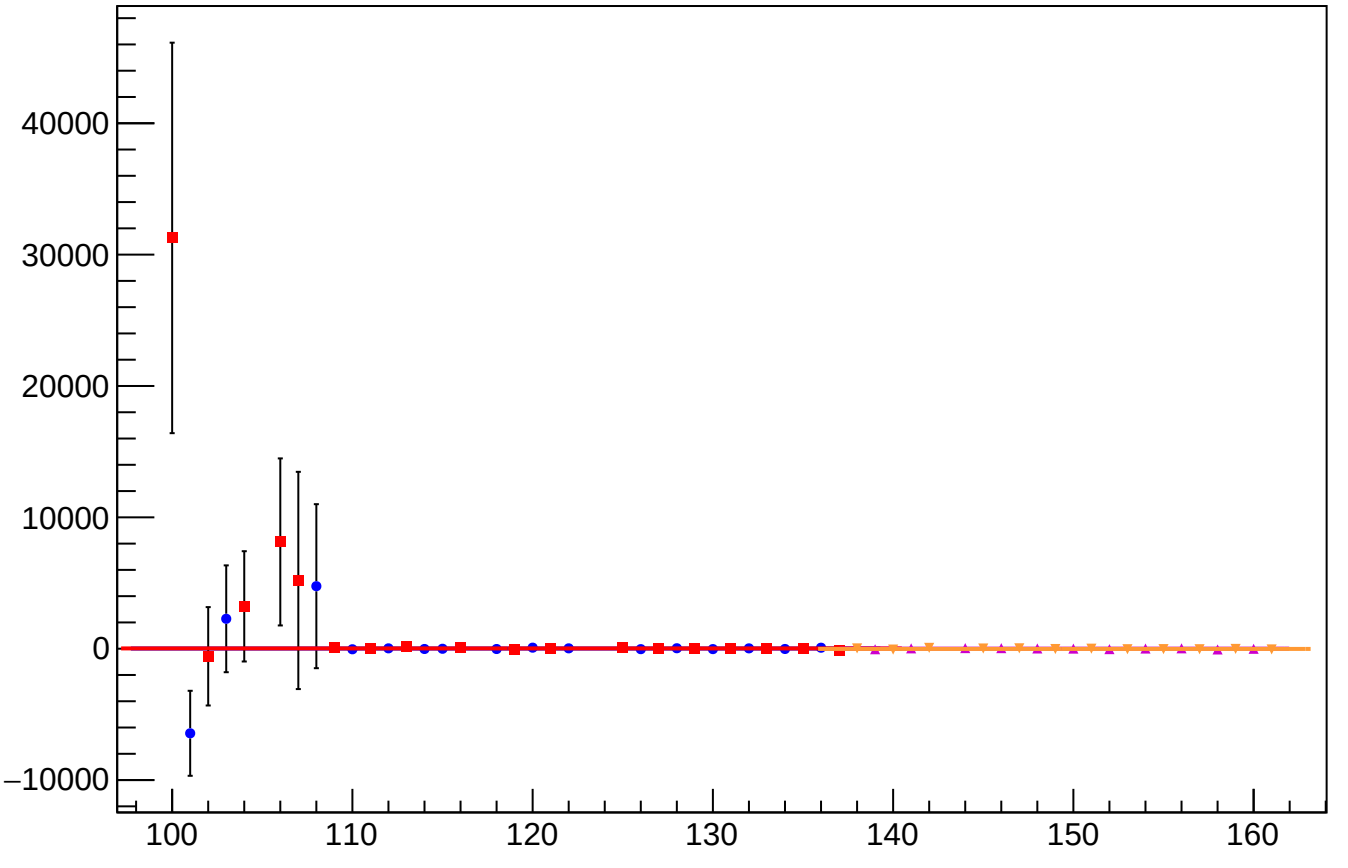
Left: 202.159+/-0.035 χ^2/NDF: 2546206.8/22

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 186.976+/-0.036 χ^2/NDF:5093268.4/26

Out: 201.064+/-0.039 χ^2/NDF:5665630.4/29

All: 193.465+/-0.026 χ^2/NDF: 10829164.3/56



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.317+/-10.223 χ^2/NDF:11.2/11

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 3.719+/-10.297 χ^2/NDF:10.7/10

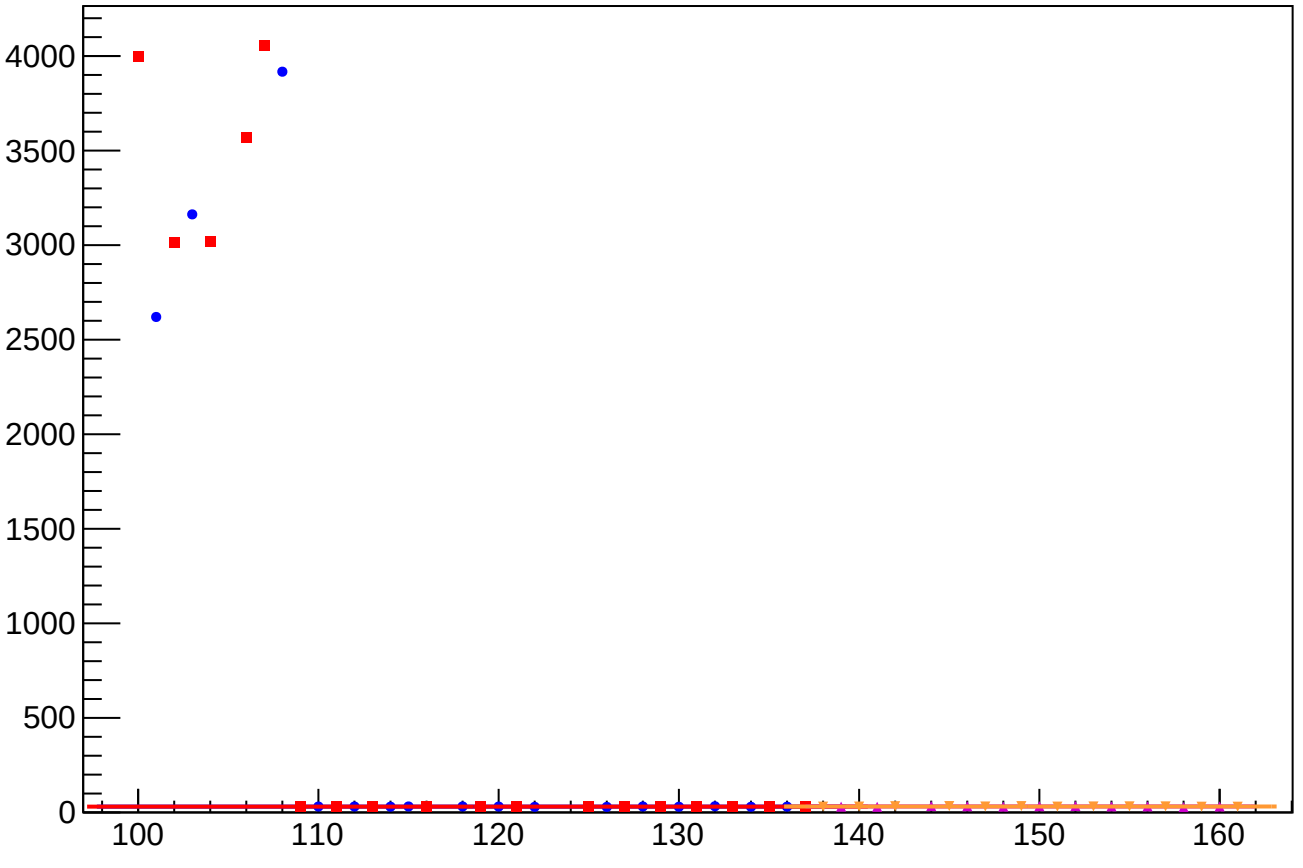
Left: -6.371+/-7.255 χ^2/NDF: 23.9/22

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 7.549+/-8.086 χ^2/NDF:26.5/26

Out: -2.231+/-8.124 χ^2/NDF:44.8/29

All: 2.681+/-5.731 χ^2/NDF: 72.0/56



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.532+/-0.007 χ^2/NDF:22652.1/11

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

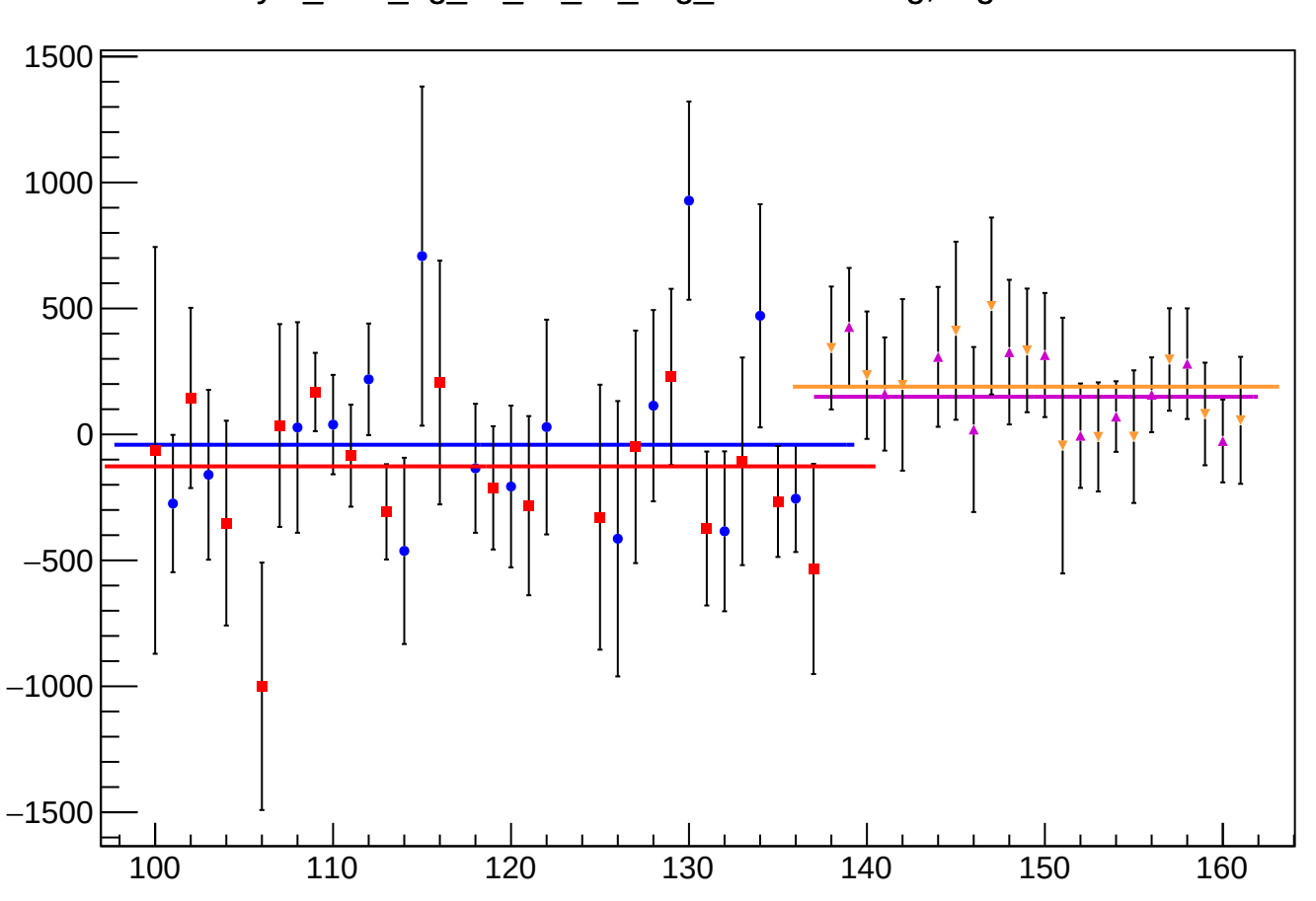
Left: 31.624+/-0.005 χ^2/NDF: 76122.3/22

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.415+/-0.006 χ^2/NDF:3310256.4/26

Out: 31.264+/-0.006 χ^2/NDF:3562344.6/29

All: 31.340+/-0.004 χ^2/NDF: 6872952.3/56



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 189.467+/-75.080 χ^2/NDF:4.5/11

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 149.392+/-61.286 χ^2/NDF:5.1/10

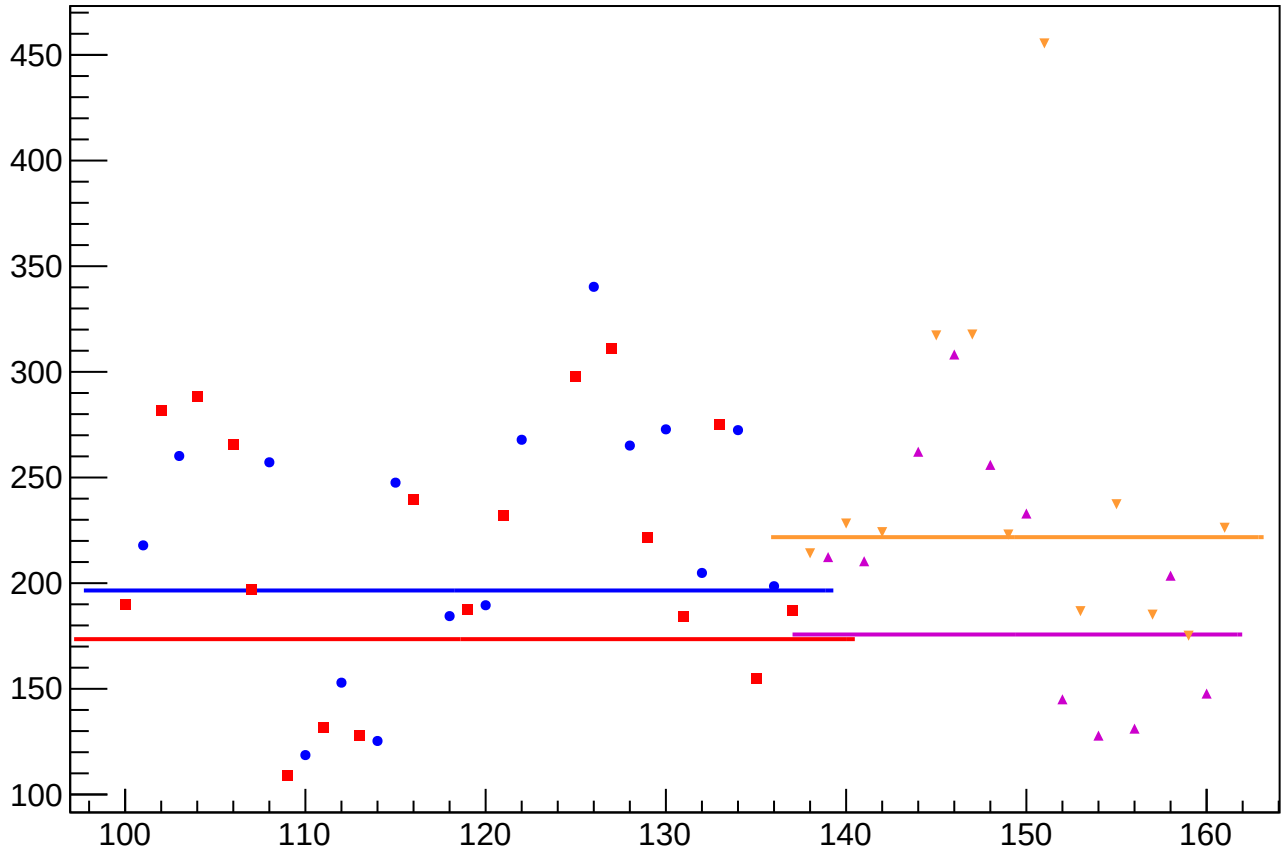
Left: 165.417+/-47.477 χ^2/NDF: 9.7/22

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 75.674+/-47.985 χ^2/NDF:24.4/26

Out: 18.827+/-50.956 χ^2/NDF:26.8/29

All: 48.956+/-34.934 χ^2/NDF: 51.9/56



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.776+/-0.053 χ^2/NDF:951980.4/11

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

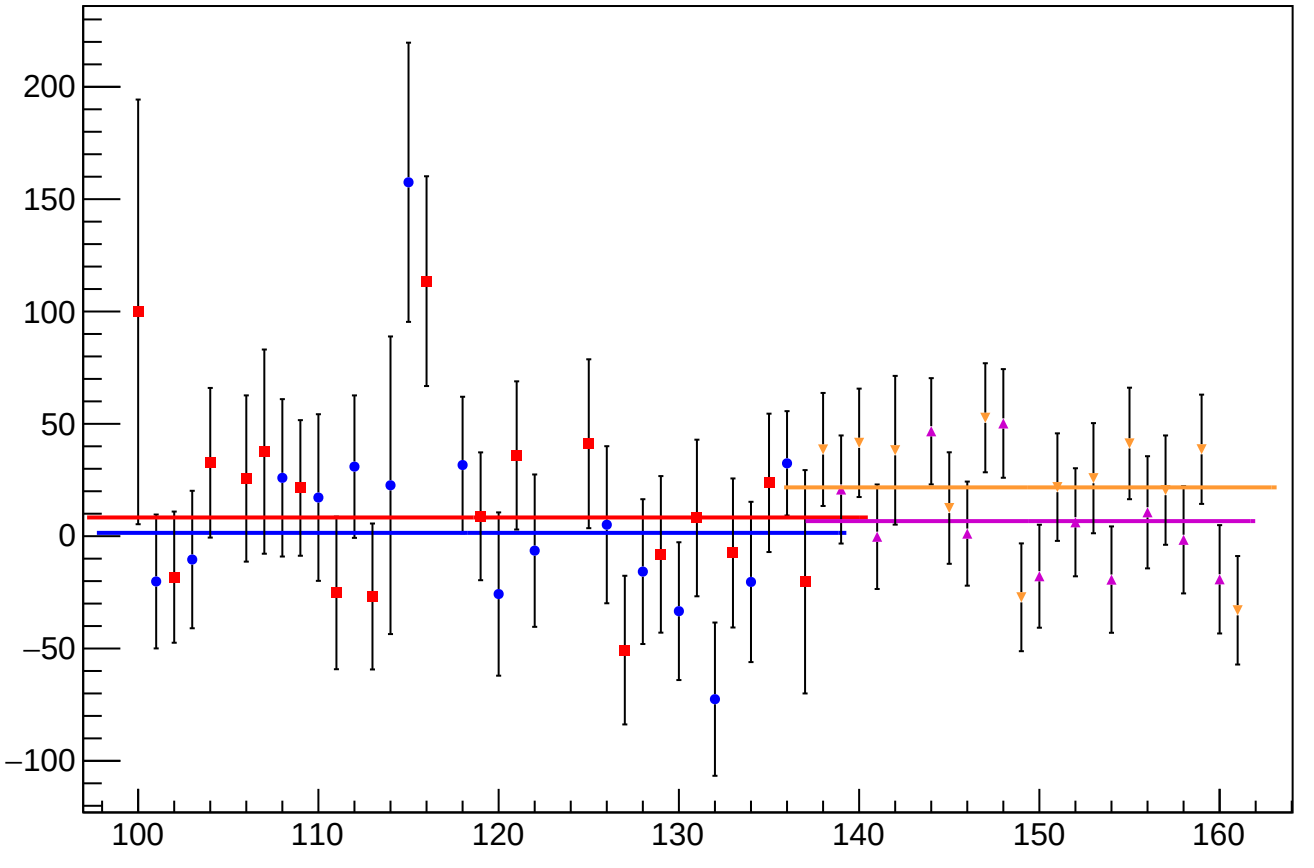
Left: 194.131+/-0.034 χ^2/NDF: 2833041.6/22

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 183.772+/-0.034 χ^2/NDF:2519415.5/26

Out: 195.742+/-0.036 χ^2/NDF:2930537.8/29

All: 189.398+/-0.025 χ^2/NDF: 5508448.2/56



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.721+/-7.180 χ^2/NDF:13.6/11

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 6.707+/-7.173 χ^2/NDF:10.2/10

Left: 14.206+/-5.075 χ^2/NDF: 26.0/22

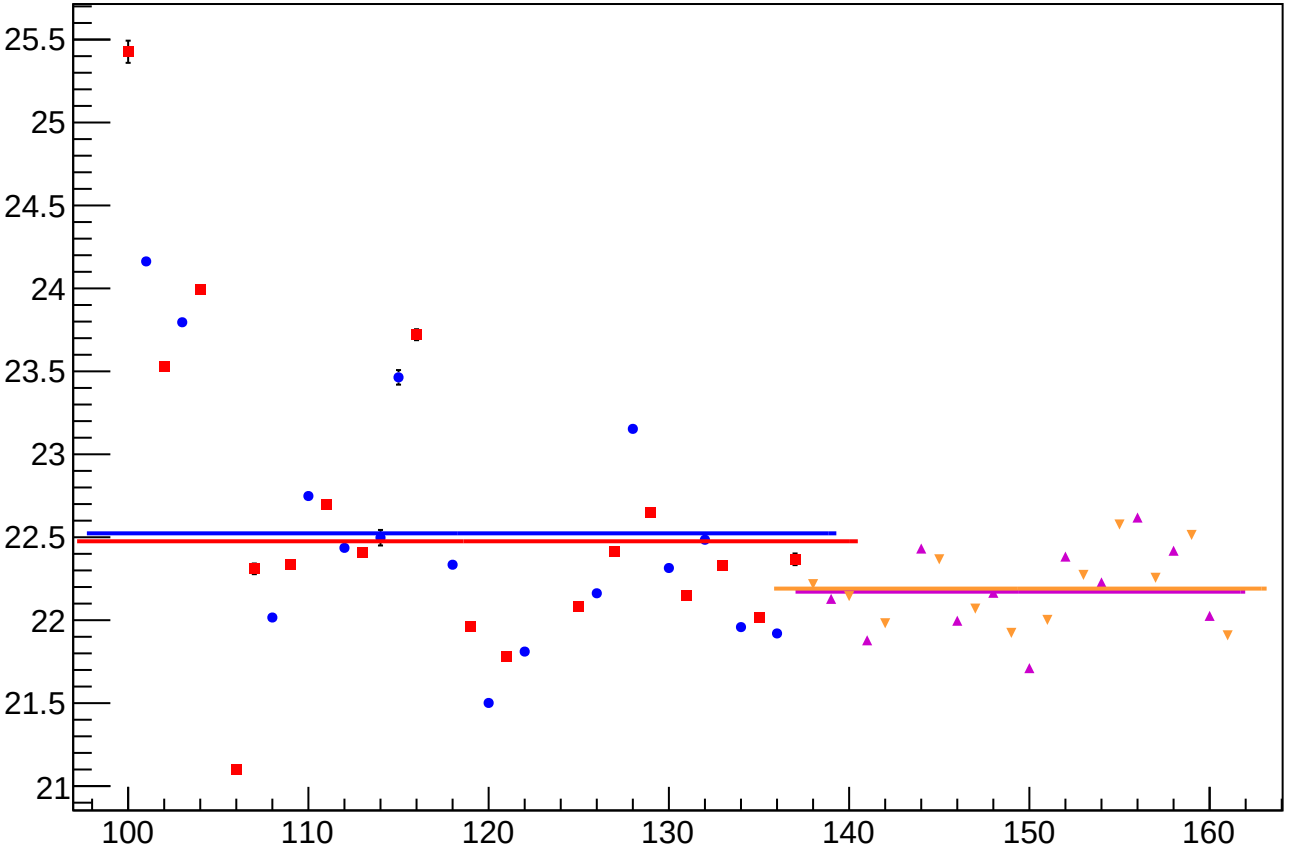
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.492+/-5.447 χ^2/NDF:29.1/26

Out: 15.977+/-5.426 χ^2/NDF:31.1/29

All: 10.256+/-3.844 χ^2/NDF: 62.5/56

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: 22.190+/-0.005 χ^2/NDF:1759.9/11

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

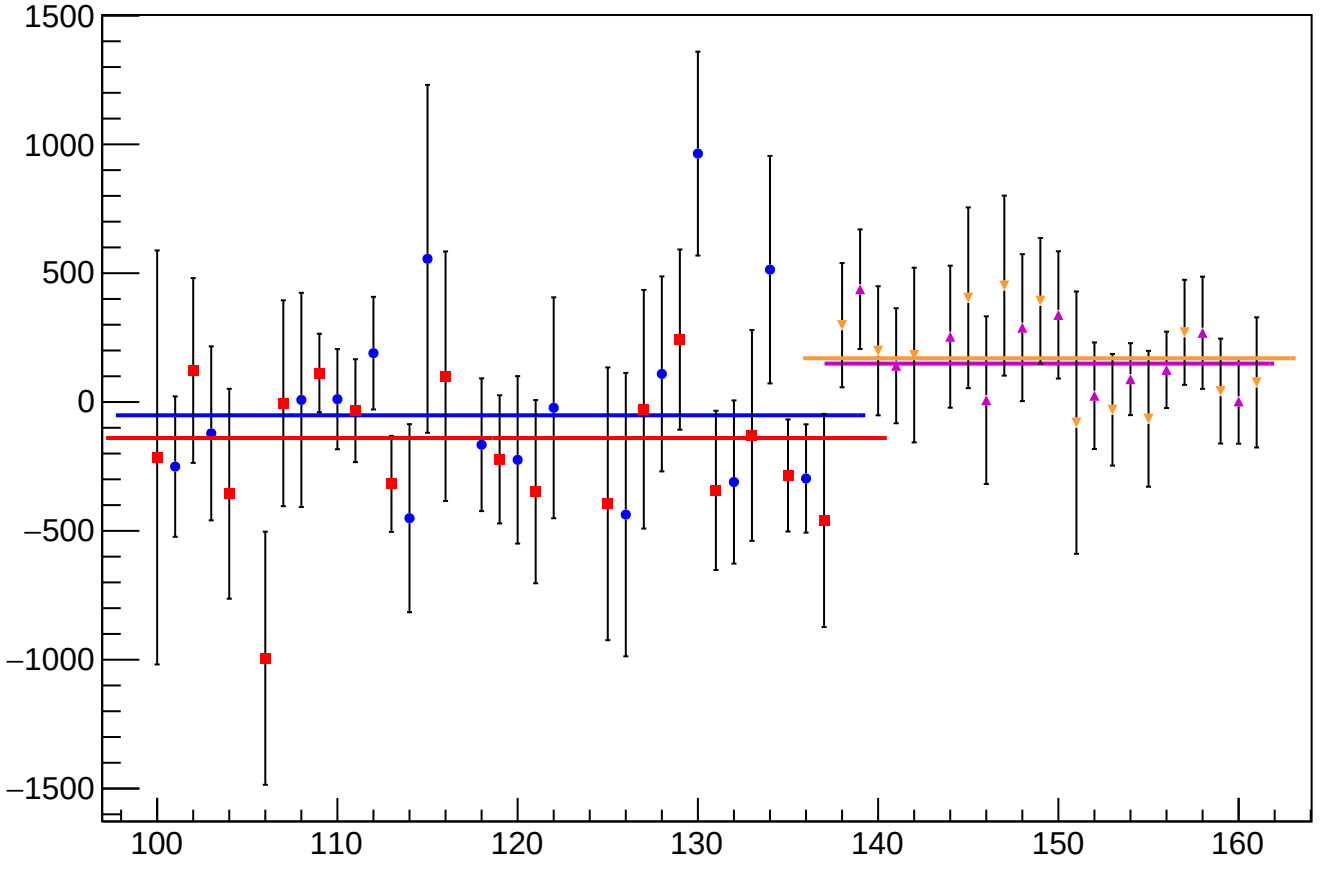
Left: 22.181+/-0.004 χ^2/NDF: 4349.1/22

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.321+/-0.004 χ^2/NDF:20565.8/26

Out: 22.313+/-0.004 χ^2/NDF:18650.0/29

All: 22.317+/-0.003 χ^2/NDF: 39218.0/56



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 169.982+/-74.868 χ^2/NDF:4.9/11

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 149.251+/-61.060 χ^2/NDF:4.4/10

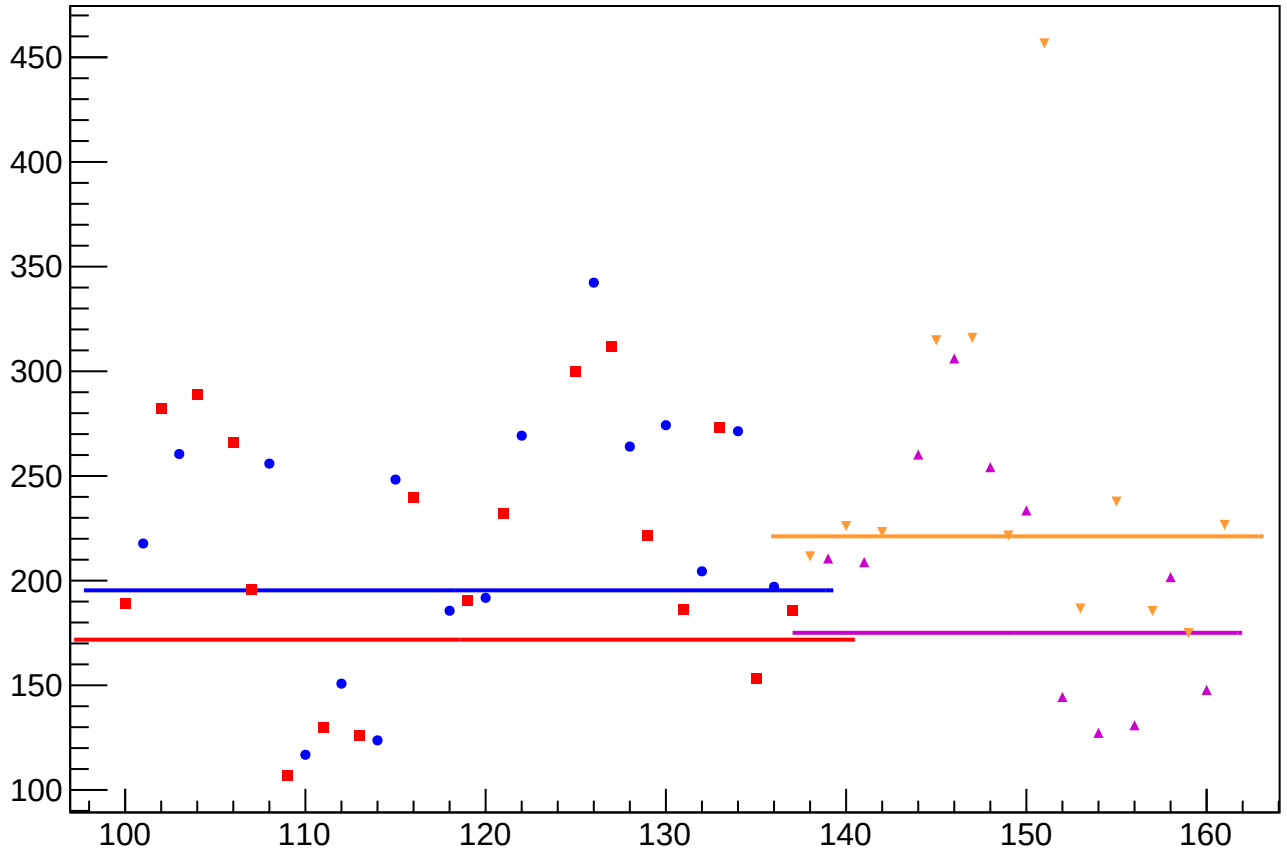
Left: 157.532+/-47.318 χ^2/NDF: 9.3/22

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 71.502+/-47.795 χ^2/NDF:23.9/26

Out: 2.366+/-50.694 χ^2/NDF:25.7/29

All: 38.967+/-34.776 χ^2/NDF: 50.6/56



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.157+/-0.053 χ^2/NDF:945697.3/11

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

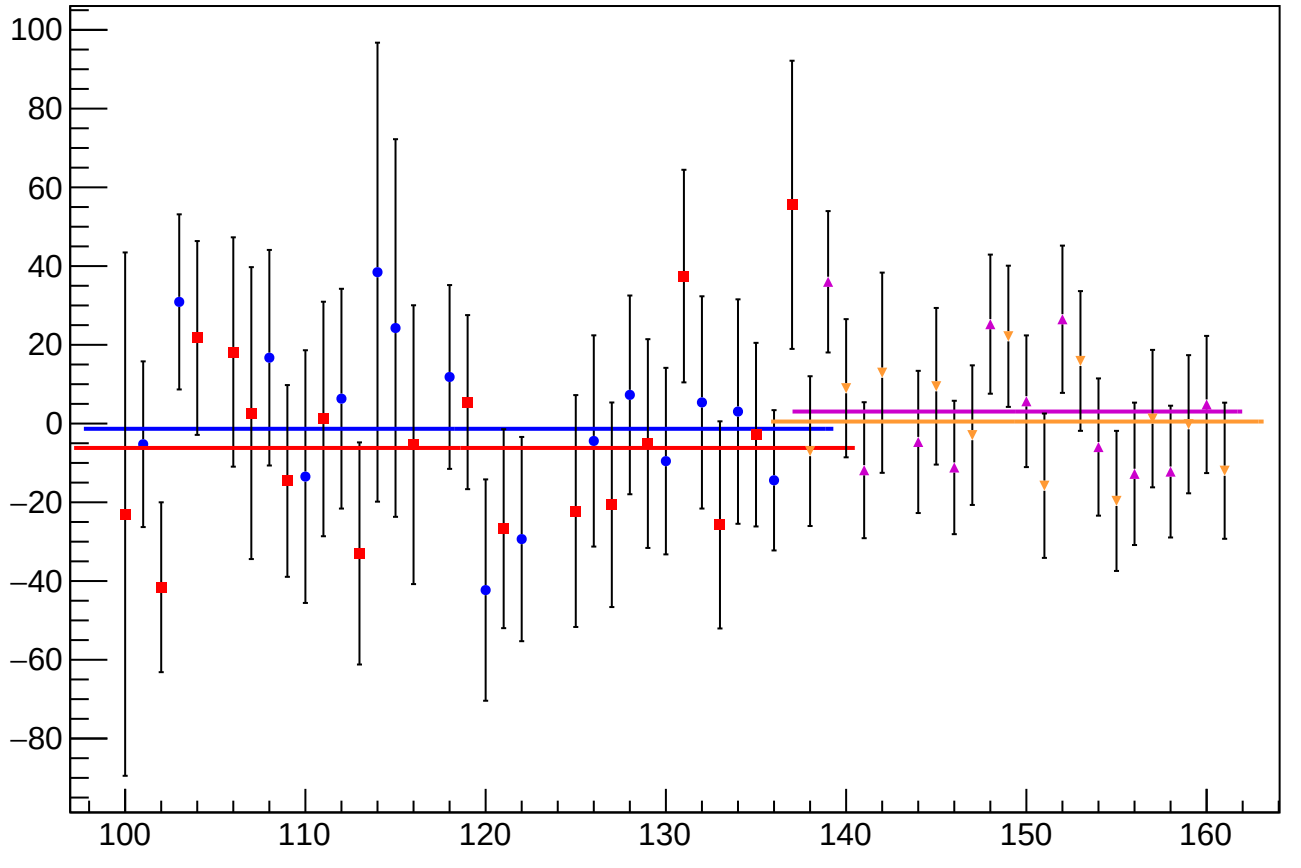
Left: 193.488+/-0.033 χ^2/NDF: 2815177.4/22

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 182.937+/-0.034 χ^2/NDF:2541472.1/26

Out: 194.432+/-0.036 χ^2/NDF:3016978.1/29

All: 188.346+/-0.025 χ^2/NDF: 5612887.5/56



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.512+/-5.303 χ^2/NDF:5.7/11

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 3.052+/-5.281 χ^2/NDF:10.0/10

Left: 1.787+/-3.742 χ^2/NDF: 15.8/22

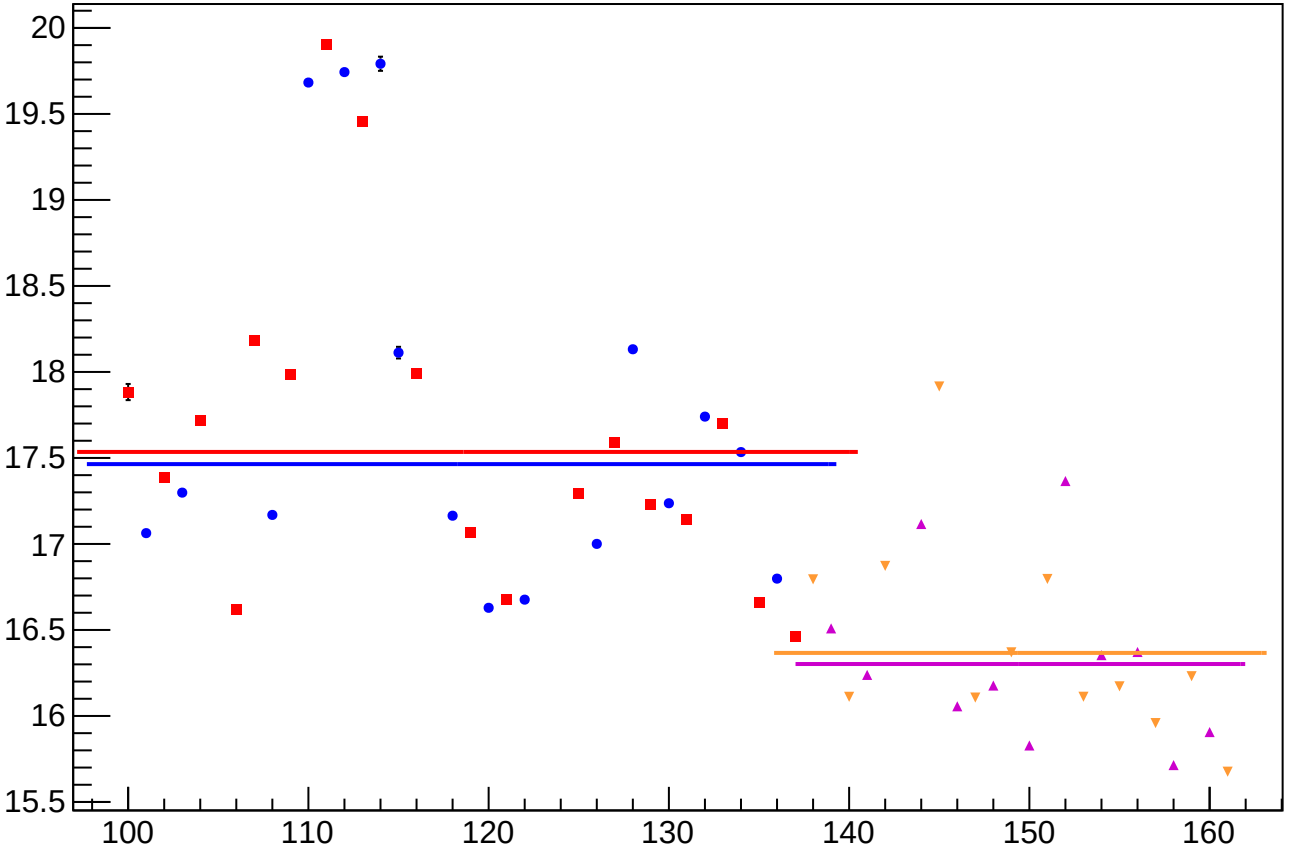
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.309+/-4.098 χ^2/NDF:18.3/26

Out: -2.182+/-4.102 χ^2/NDF:19.8/29

All: -0.435+/-2.899 χ^2/NDF: 38.5/56

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: 16.367+/-0.004 χ^2/NDF:20931.0/11

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

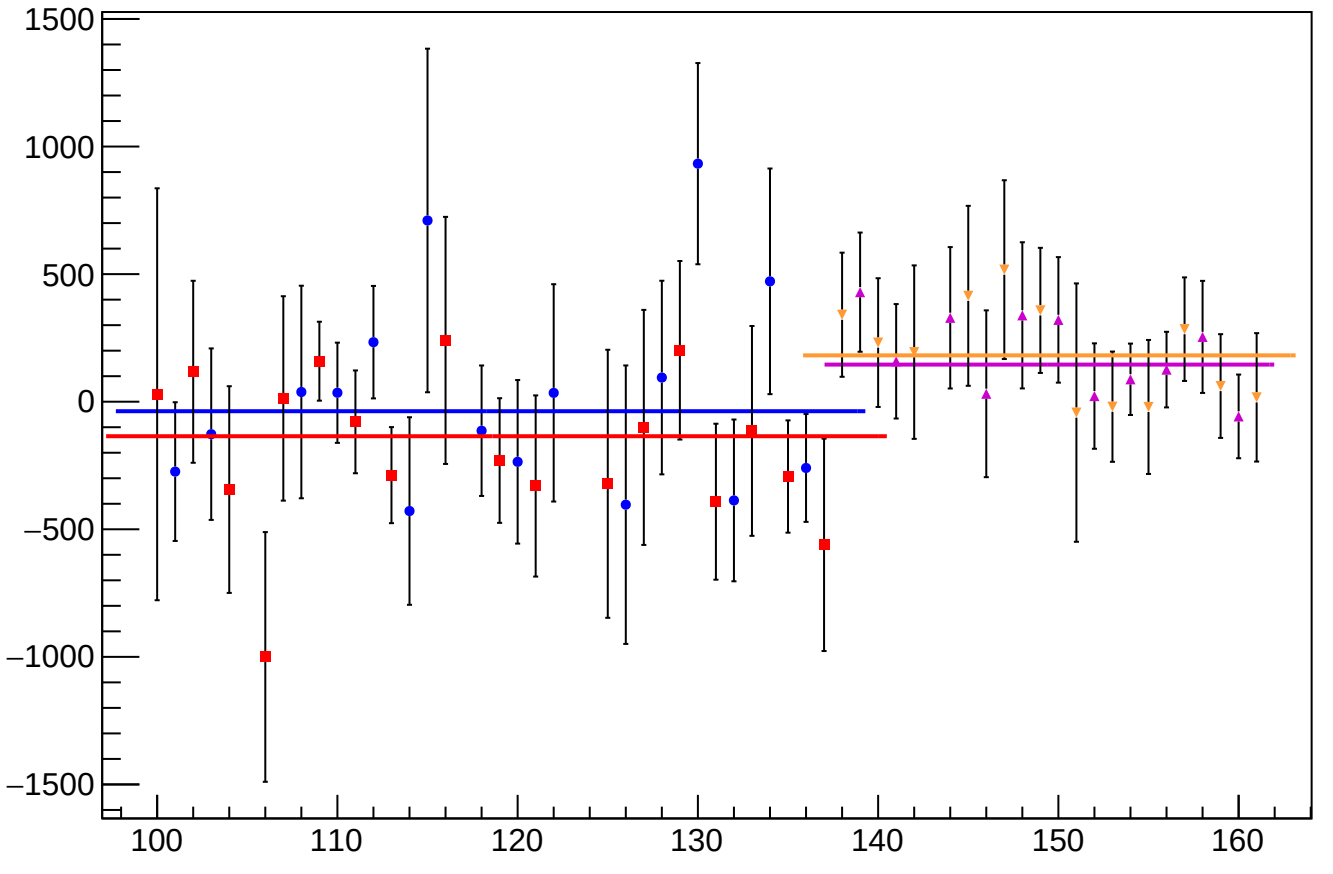
Left: 16.334+/-0.003 χ^2/NDF: 37574.4/22

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.764+/-0.003 χ^2/NDF:91668.4/26

Out: 16.836+/-0.003 χ^2/NDF:94402.6/29

All: 16.800+/-0.002 χ^2/NDF: 186376.4/56



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 181.653+/-74.910 χ^2/NDF:5.0/11

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 145.461+/-61.163 χ^2/NDF:5.3/10

Left: 159.938+/-47.377 χ^2/NDF: 10.5/22

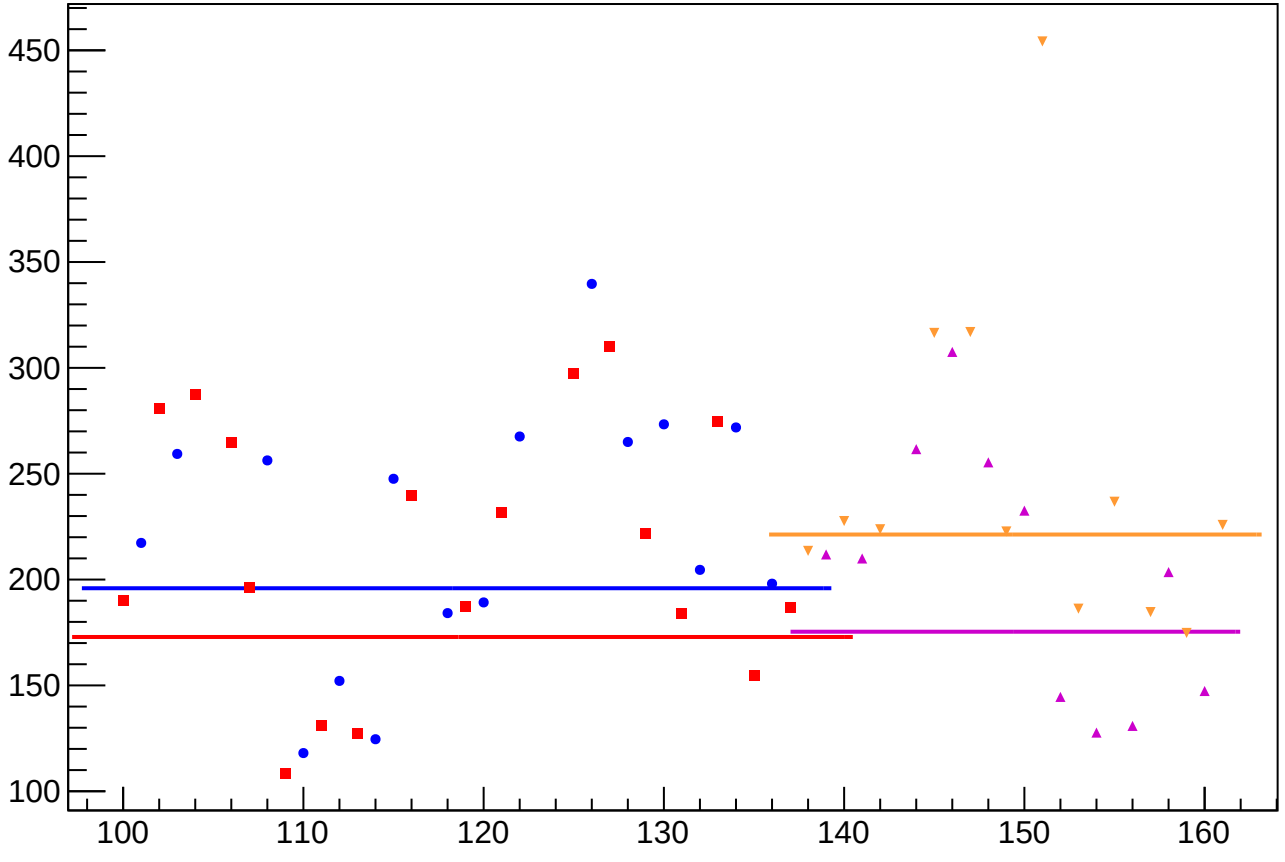
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 74.685+/-47.872 χ^2/NDF:24.4/26

Out: 10.552+/-50.814 χ^2/NDF:27.5/29

All: 44.529+/-34.844 χ^2/NDF: 52.8/56

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.276+/-0.053 χ^2/NDF:951779.2/11

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

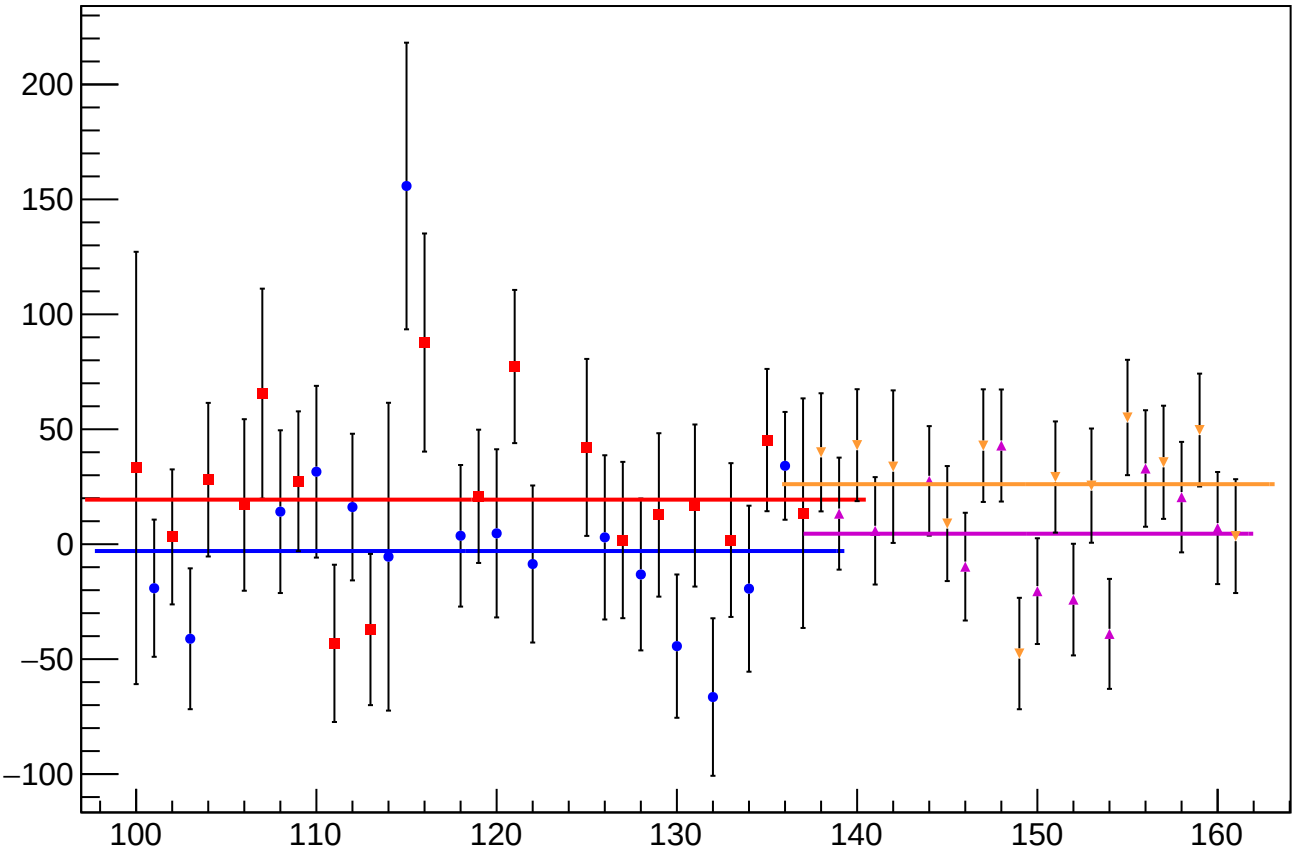
Left: 193.726+/-0.034 χ^2/NDF: 2832143.4/22

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.317+/-0.034 χ^2/NDF:2527892.6/26

Out: 195.145+/-0.036 χ^2/NDF:2945838.2/29

All: 188.878+/-0.025 χ^2/NDF: 5531143.4/56



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 26.114+/-7.267 χ^2/NDF:14.3/11

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 4.563+/-7.239 χ^2/NDF:11.5/10

Left: 15.296+/-5.129 χ^2/NDF: 30.2/22

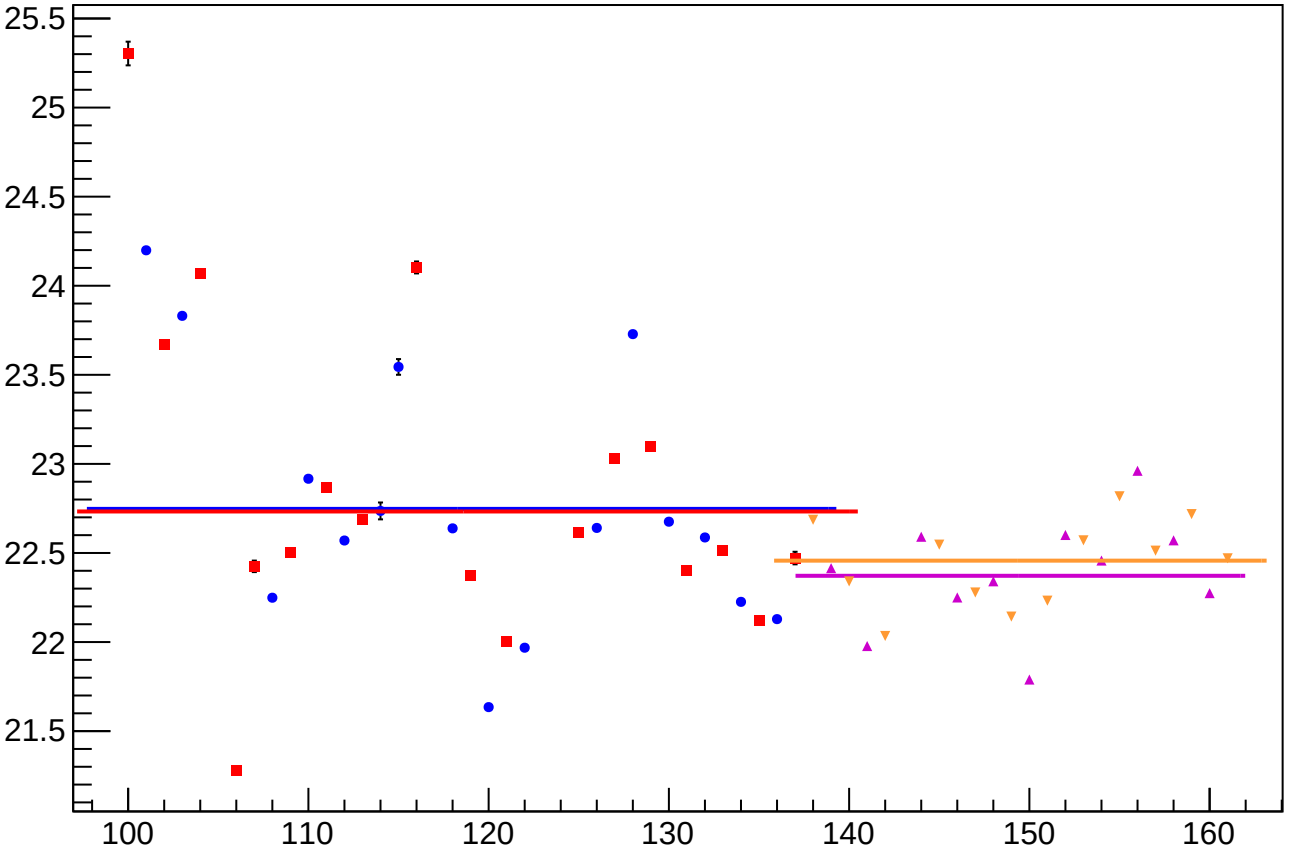
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.378+/-5.498 χ^2/NDF:29.9/26

Out: 23.227+/-5.491 χ^2/NDF:29.2/29

All: 12.318+/-3.885 χ^2/NDF: 66.9/56

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: 22.457+/-0.005 χ^2/NDF:1864.6/11

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.372+/-0.005 χ^2/NDF:3538.5/10

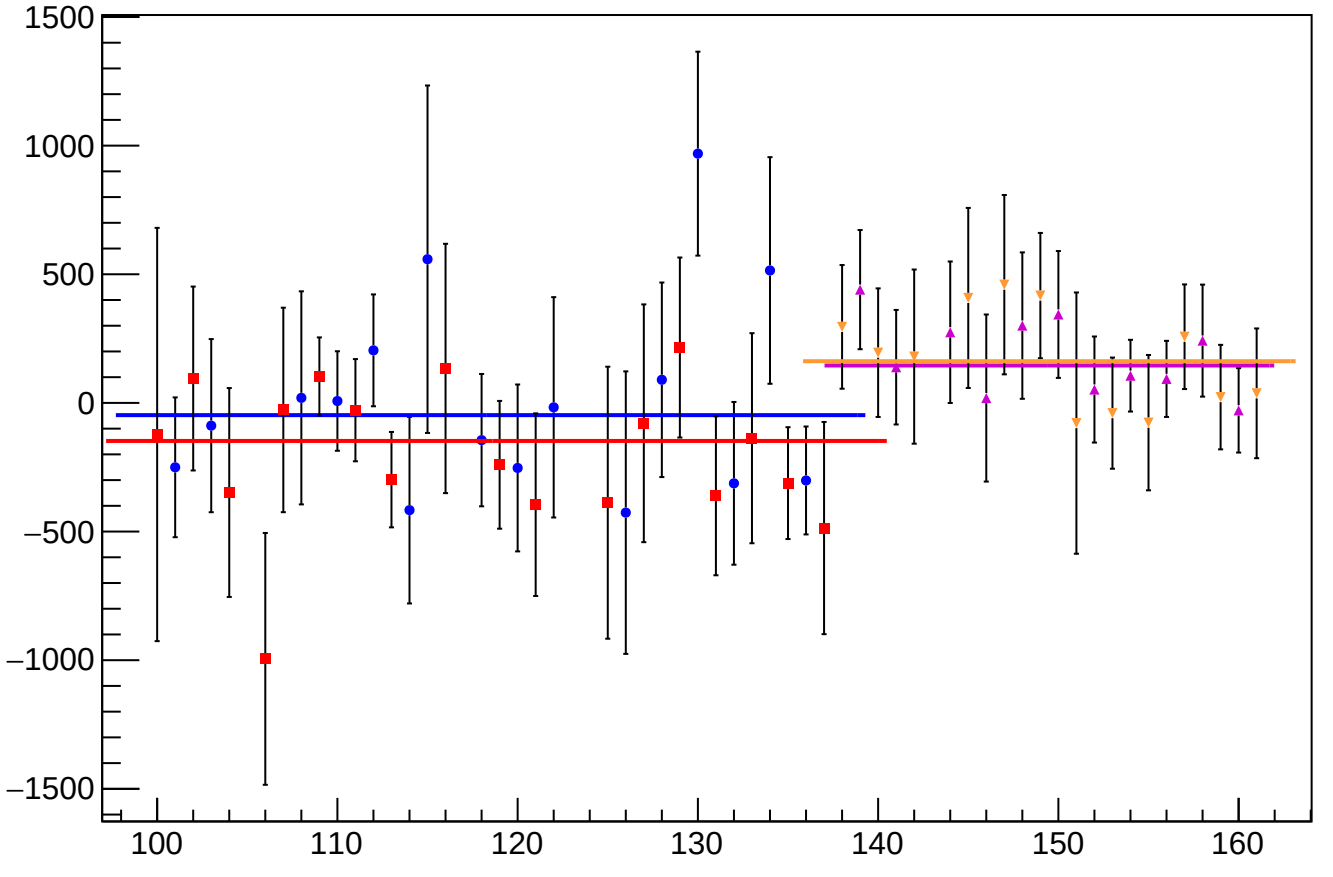
Left: 22.414+/-0.004 χ^2/NDF: 5540.6/22

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.531+/-0.004 χ^2/NDF:20438.7/26

Out: 22.575+/-0.004 χ^2/NDF:17492.2/29

All: 22.553+/-0.003 χ^2/NDF: 37996.8/56



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 162.090+/-74.698 χ^2/NDF:5.5/11

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 145.416+/-60.937 χ^2/NDF:4.7/10

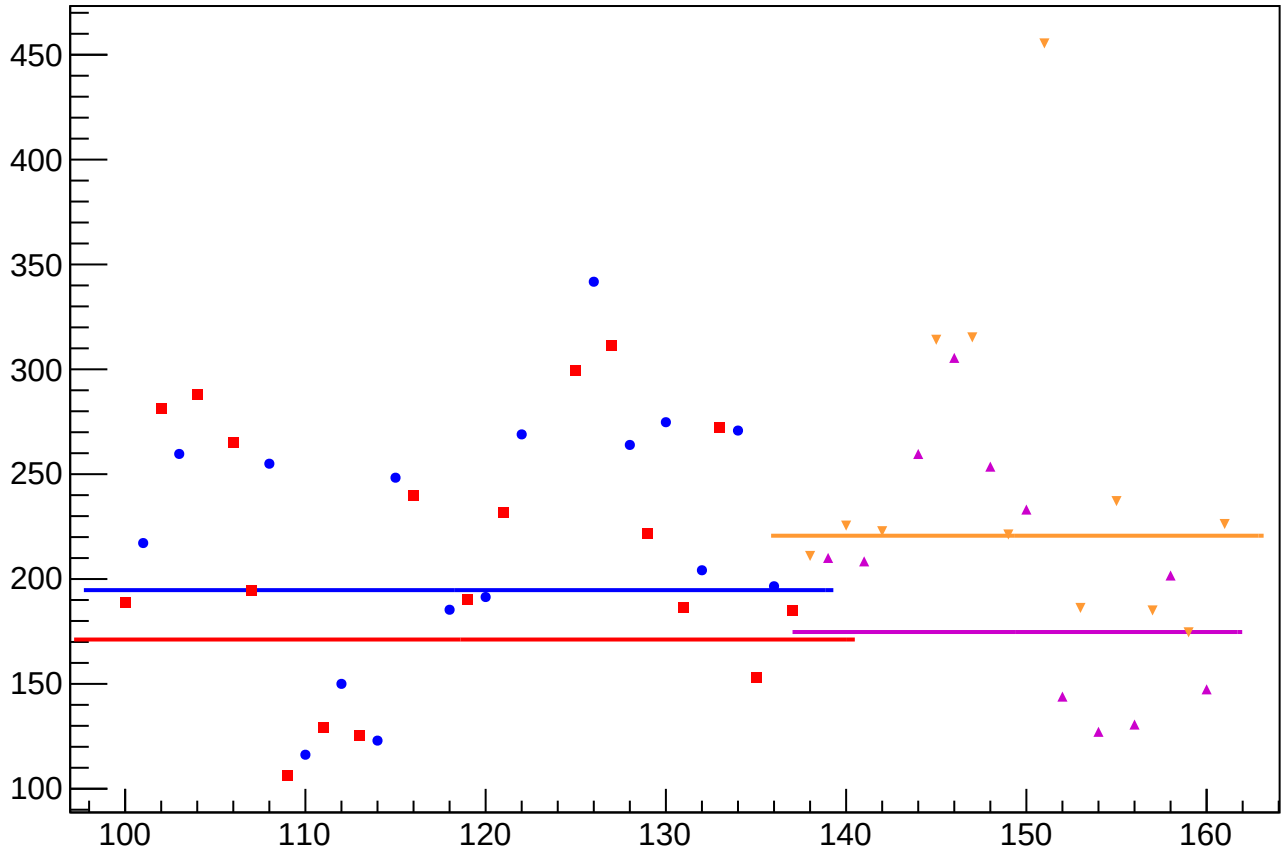
Left: 152.078+/-47.218 χ^2/NDF: 10.2/22

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 70.602+/-47.681 χ^2/NDF:24.0/26

Out: -5.890+/-50.550 χ^2/NDF:26.4/29

All: 34.588+/-34.685 χ^2/NDF: 51.5/56



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.658+/-0.053 χ^2/NDF:945483.7/11

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

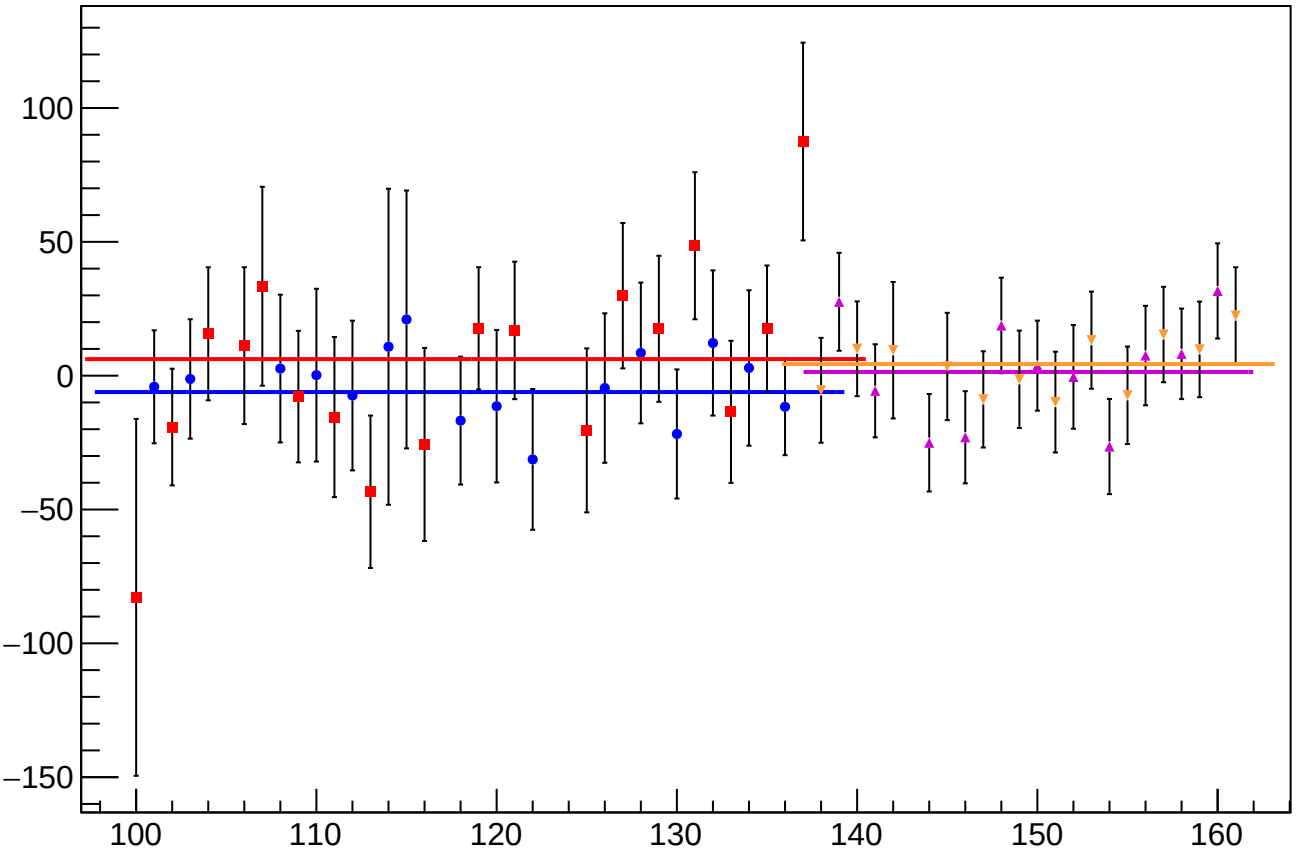
Left: 193.084+/-0.033 χ^2/NDF: 2814114.8/22

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 182.479+/-0.034 χ^2/NDF:2550357.2/26

Out: 193.826+/-0.036 χ^2/NDF:3033503.0/29

All: 187.821+/-0.025 χ^2/NDF: 5637187.2/56



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.331+/-5.411 χ^2/NDF:3.7/11

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 1.389+/-5.365 χ^2/NDF:12.9/10

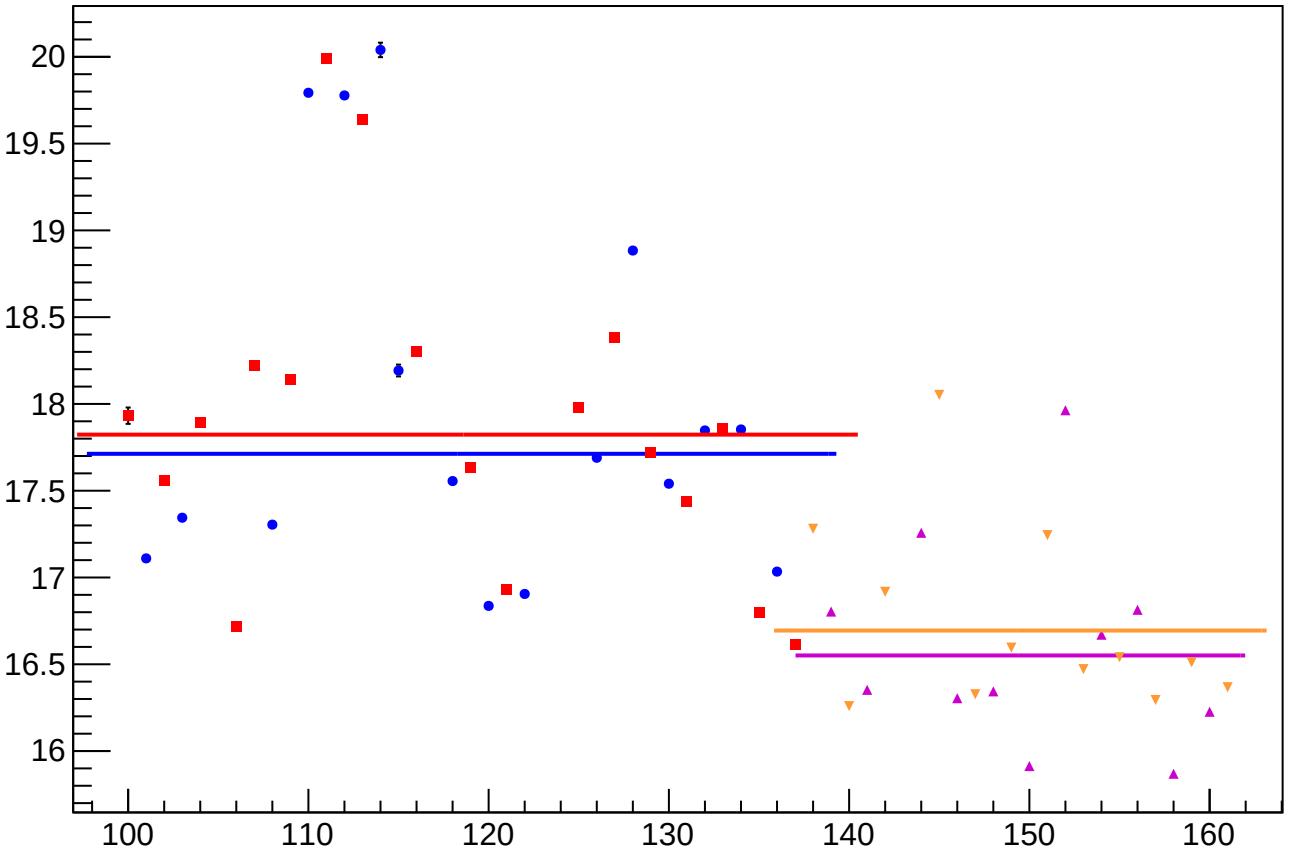
Left: 2.847+/-3.810 χ^2/NDF: 16.8/22

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -1.602+/-4.161 χ^2/NDF:16.8/26

Out: 5.083+/-4.179 χ^2/NDF:22.4/29

All: 1.725+/-2.949 χ^2/NDF: 40.5/56



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.694+/-0.004 χ^2/NDF:17241.1/11

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

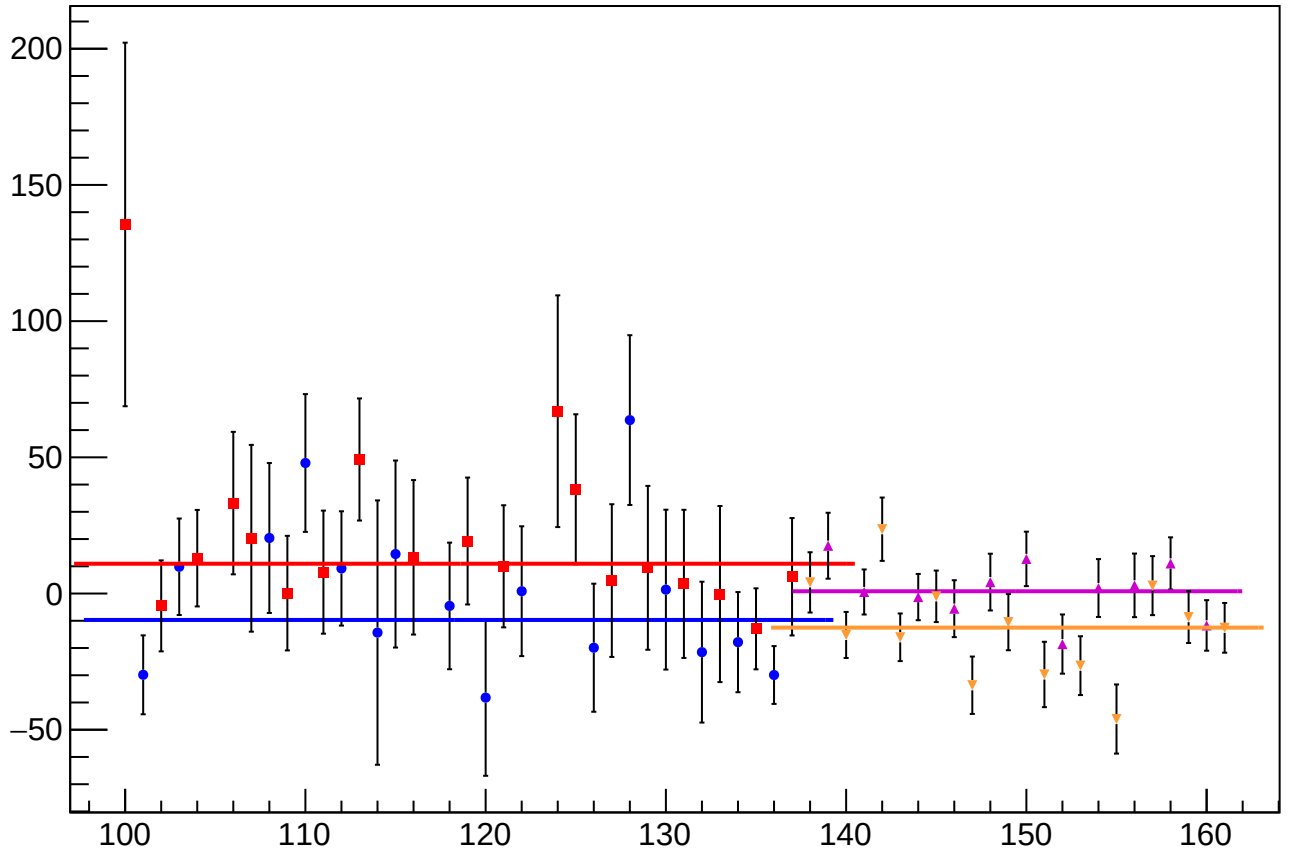
Left: 16.622+/-0.003 χ^2/NDF: 40206.8/22

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.014+/-0.003 χ^2/NDF:95613.4/26

Out: 17.150+/-0.003 χ^2/NDF:84853.2/29

All: 17.081+/-0.002 χ^2/NDF: 181531.9/56



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.508+/-2.822 χ^2/NDF:30.6/12

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 0.829+/-3.003 χ^2/NDF:10.1/10

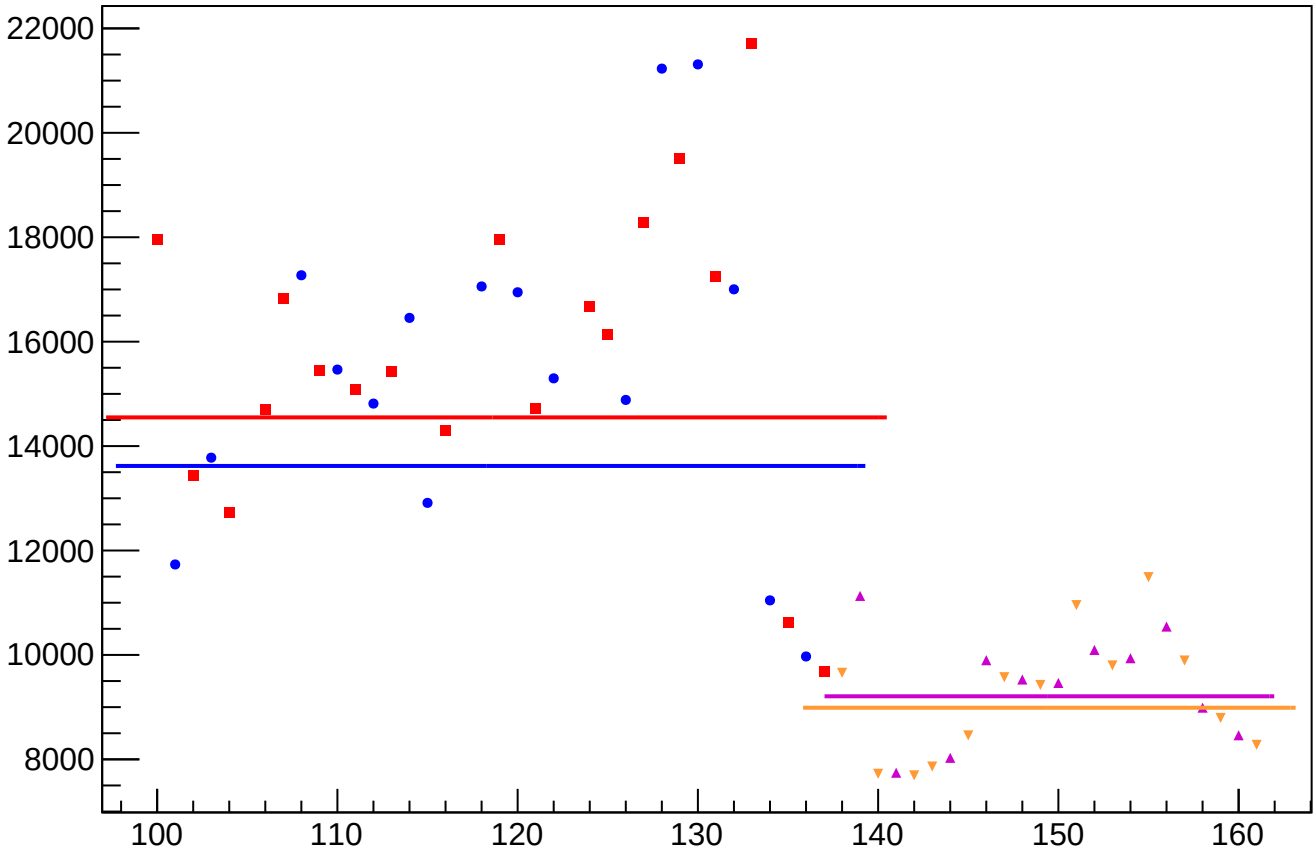
Left: -6.253+/-2.057 χ^2/NDF: 51.2/23

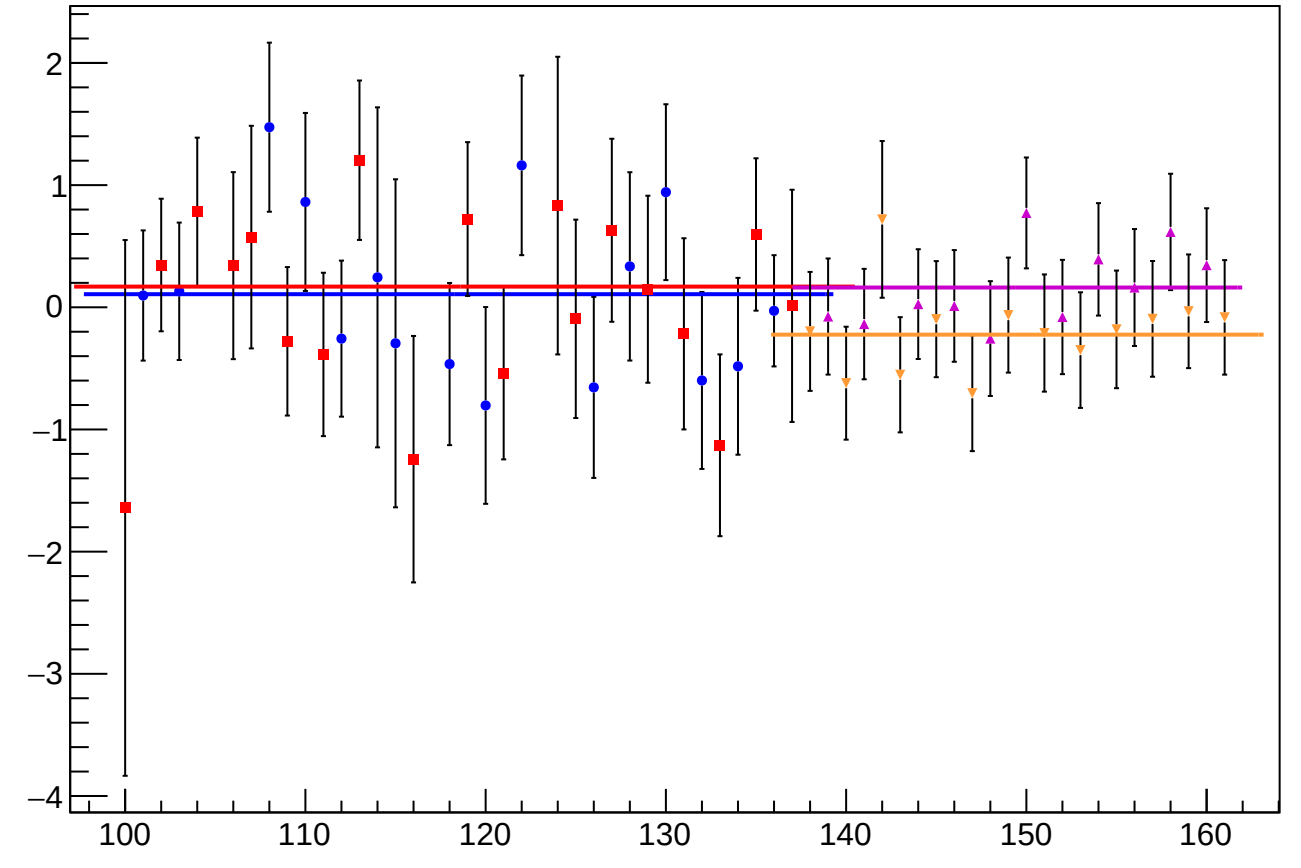
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -1.781+/-2.604 χ^2/NDF:35.1/26

Out: -7.530+/-2.505 χ^2/NDF:59.4/31

All: -4.768+/-1.805 χ^2/NDF: 97.0/58


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8988.873+/-1.996 χ²/NDF:295571.9/12
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9207.767+/-2.123 χ²/NDF:226509.3/10
Left: 9091.534+/-1.454 χ²/NDF: 527723.6/23
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10301.315+/-1.842 χ²/NDF:2043494.9/26
Out: 10169.488+/-1.771 χ²/NDF:2499890.3/31
All: 10232.833+/-1.277 χ²/NDF: 4546047.0/5



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.224+/-0.134 χ^2/NDF:5.0/12

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.162+/-0.140 χ^2/NDF:5.1/10

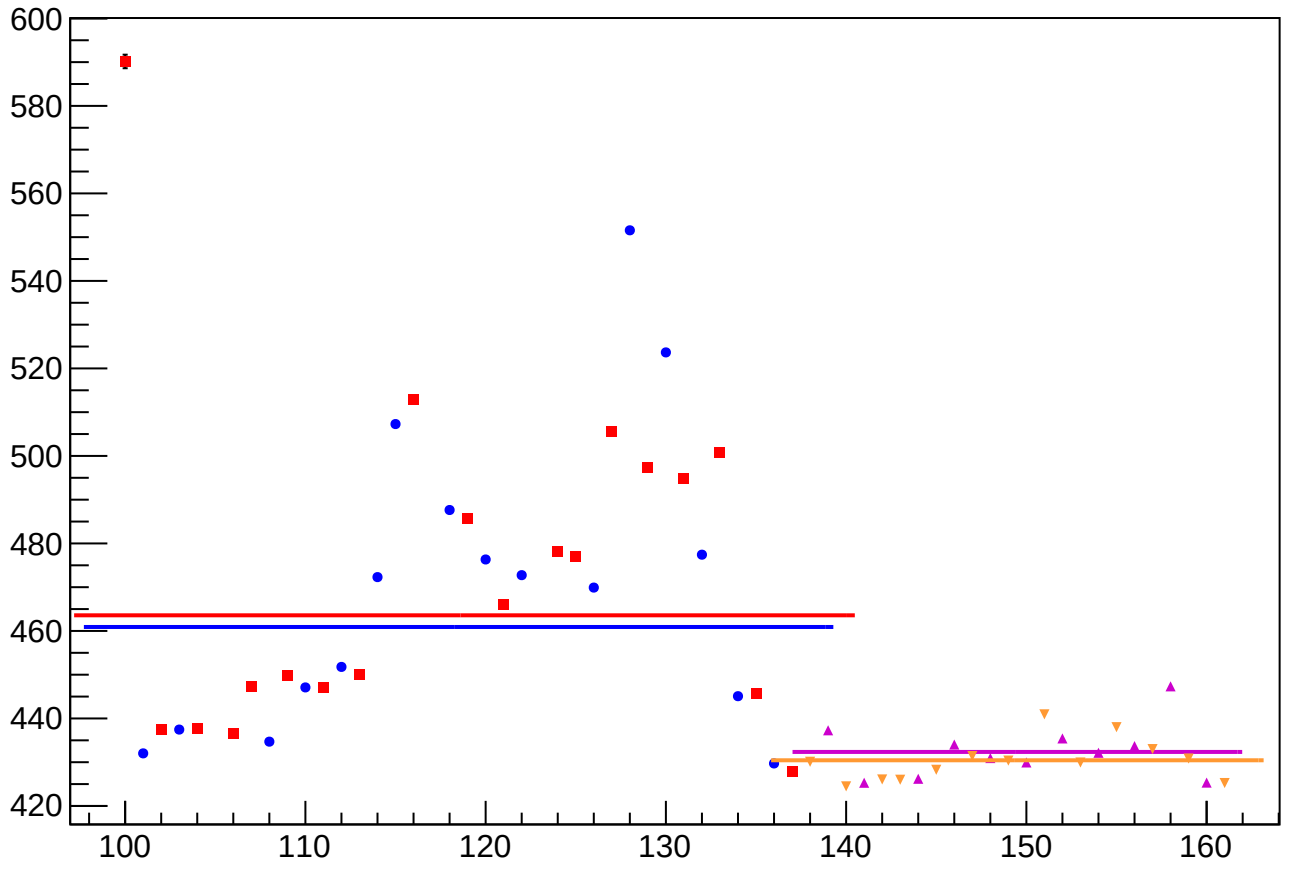
Left: -0.040+/-0.097 χ^2/NDF: 14.1/23

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.140+/-0.108 χ^2/NDF:18.8/26

Out: -0.073+/-0.105 χ^2/NDF:22.4/31

All: 0.030+/-0.075 χ^2/NDF: 43.2/58



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.440+/-0.095 χ^2/NDF:2415.2/12

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 432.347+/-0.099 χ^2/NDF:3714.0/10

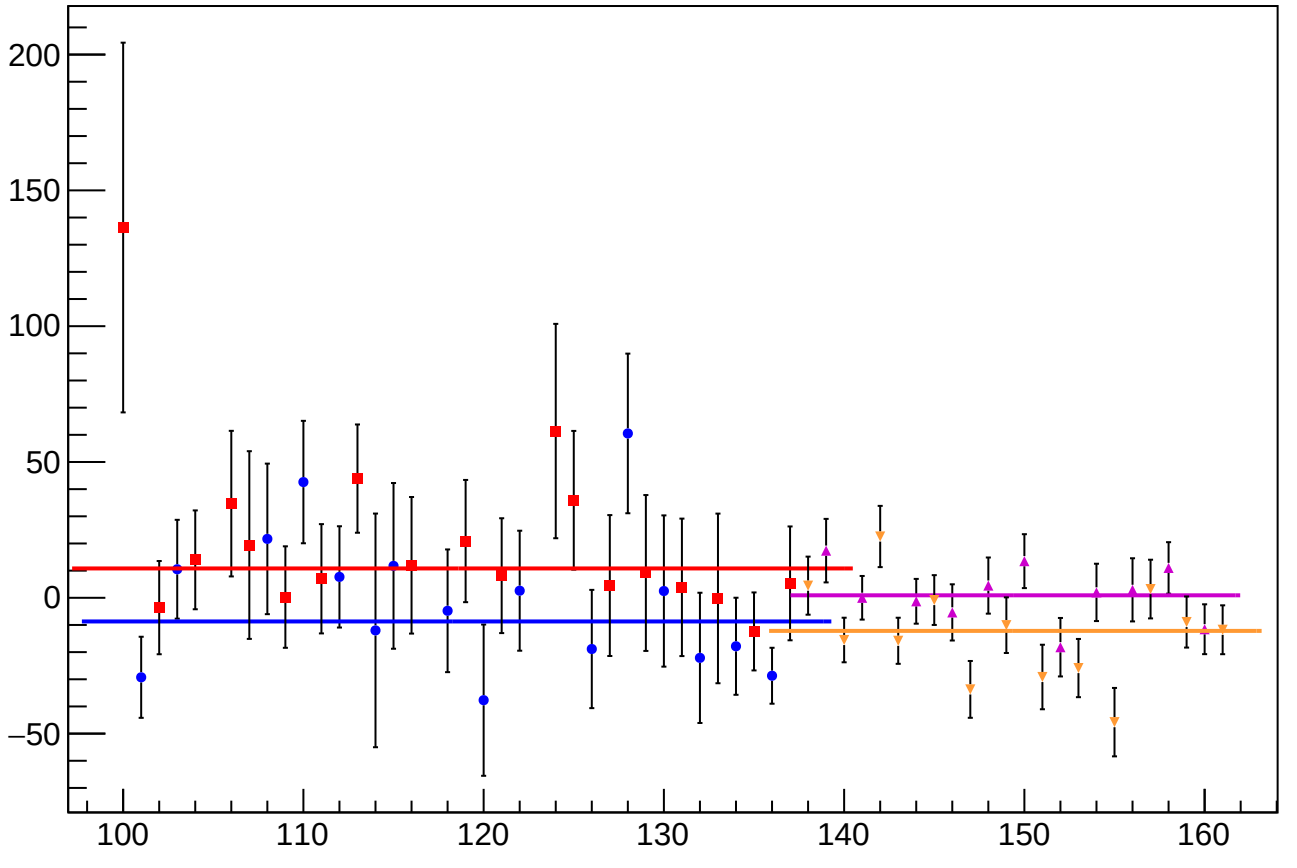
Left: 431.350+/-0.068 χ^2/NDF: 6323.7/23

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 443.737+/-0.077 χ^2/NDF:111906.3/26

Out: 443.149+/-0.074 χ^2/NDF:101733.4/31

All: 443.433+/-0.053 χ^2/NDF: 213670.0/58



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.184+/-2.771 χ^2/NDF:31.0/12

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.917+/-2.956 χ^2/NDF:10.3/10

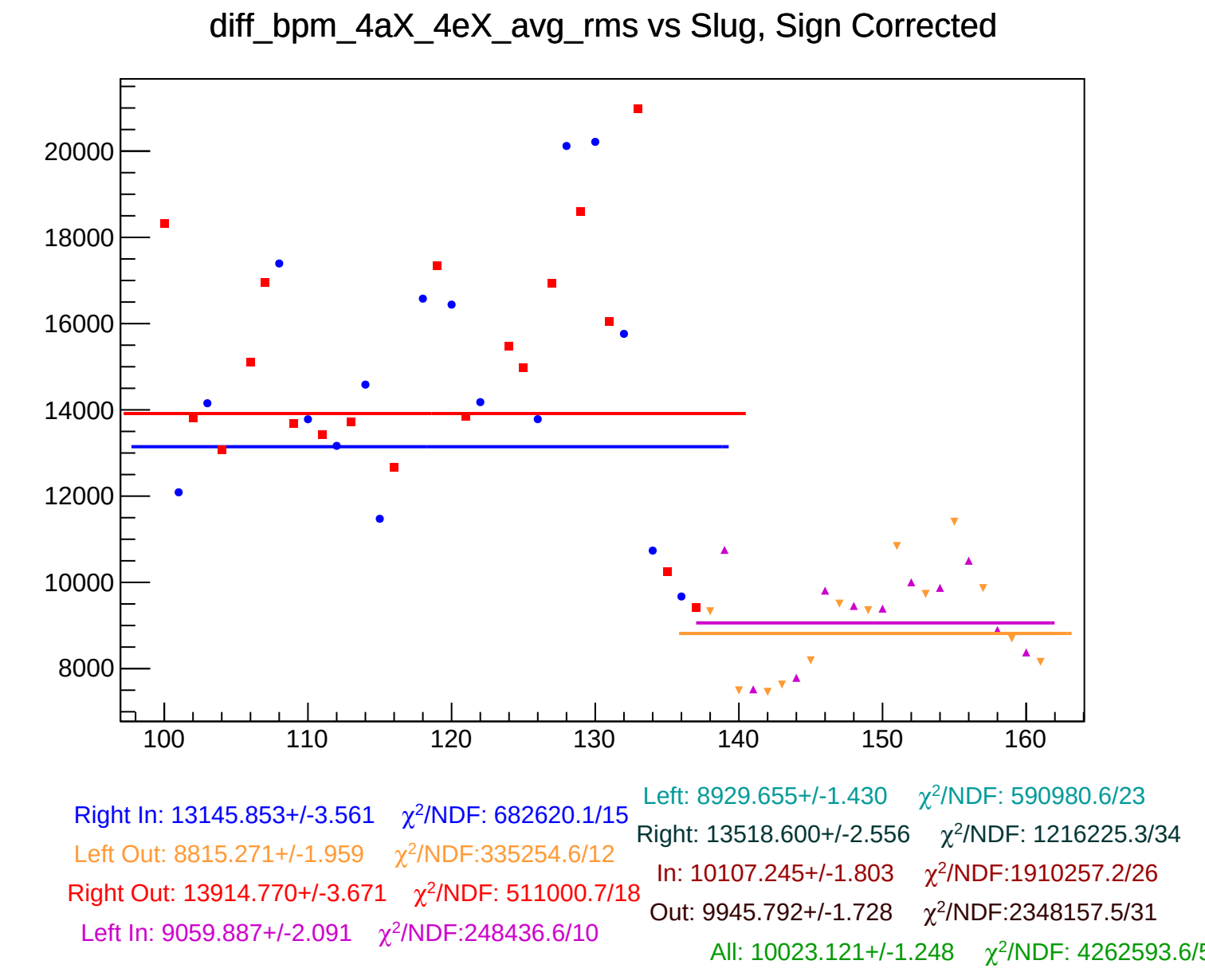
Left: -6.058+/-2.022 χ^2/NDF: 51.8/23

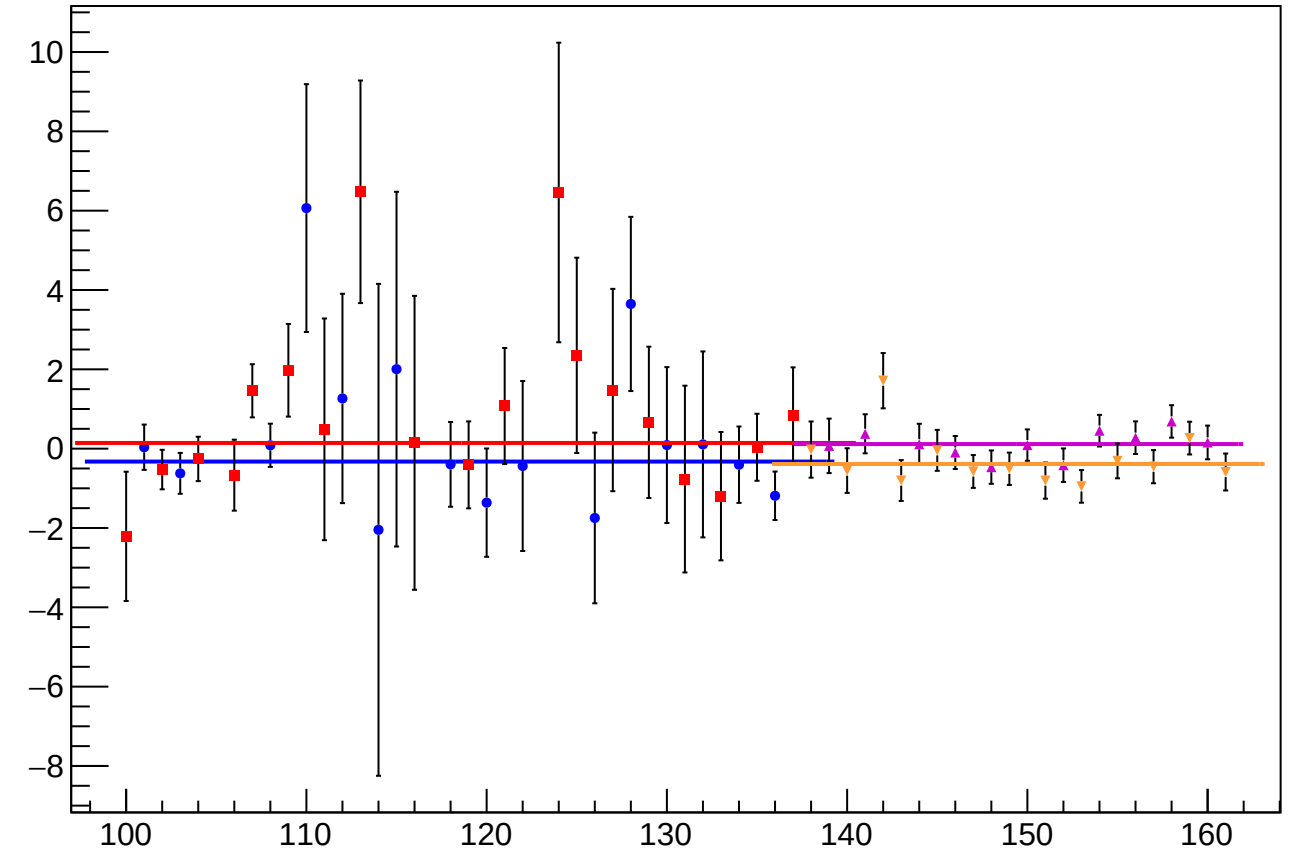
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.550+/-2.550 χ^2/NDF:35.3/26

Out: -7.087+/-2.444 χ^2/NDF:60.2/31

All: -4.435+/-1.764 χ^2/NDF: 98.0/58


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8815.271+/-1.959 χ²/NDF:335254.6/12
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 9059.887+/-2.091 χ²/NDF:248436.6/10
Left: 8929.655+/-1.430 χ²/NDF: 590980.6/23
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10107.245+/-1.803 χ²/NDF:1910257.2/26
Out: 9945.792+/-1.728 χ²/NDF:2348157.5/31
All: 10023.121+/-1.248 χ²/NDF: 4262593.6/5



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.387+/-0.131 χ^2/NDF:16.3/12

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.115+/-0.132 χ^2/NDF:6.9/10

Left: -0.139+/-0.093 χ^2/NDF: 30.5/23

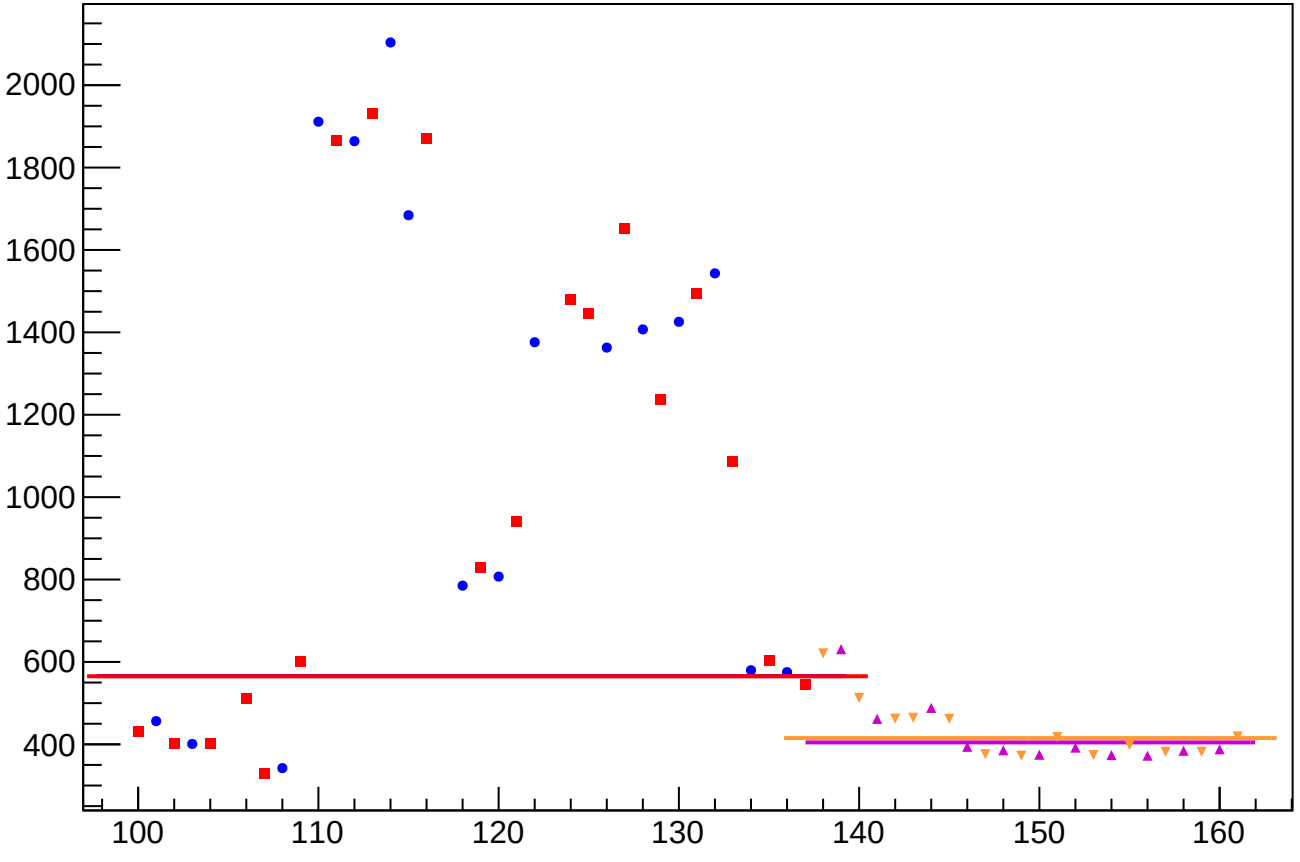
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.015+/-0.116 χ^2/NDF:22.0/26

Out: -0.269+/-0.115 χ^2/NDF:42.4/31

All: -0.128+/-0.082 χ^2/NDF: 67.4/58

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 415.186+/-0.092 χ^2/NDF:360943.7/12

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 404.713+/-0.094 χ^2/NDF:347542.1/10

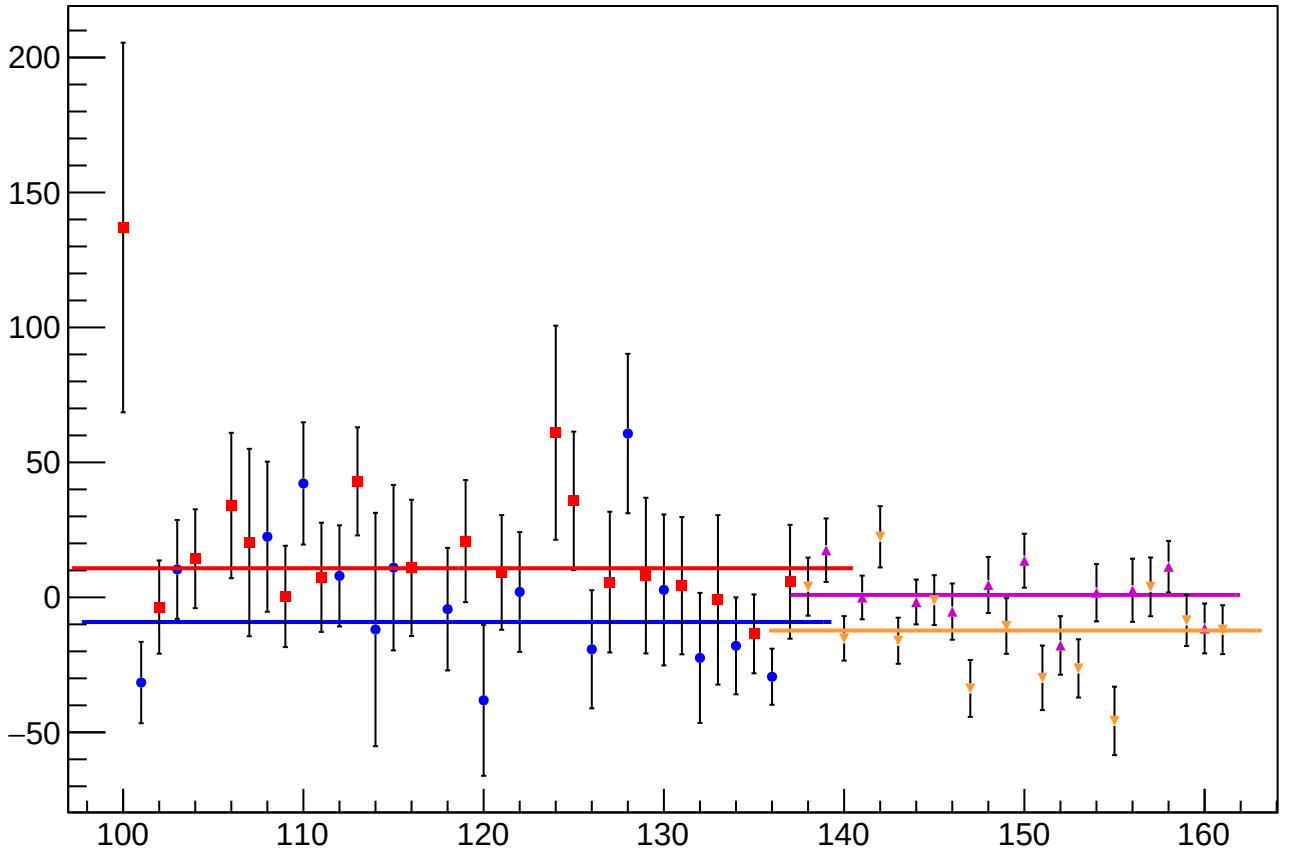
Left: 410.021+/-0.066 χ^2/NDF: 714838.4/23

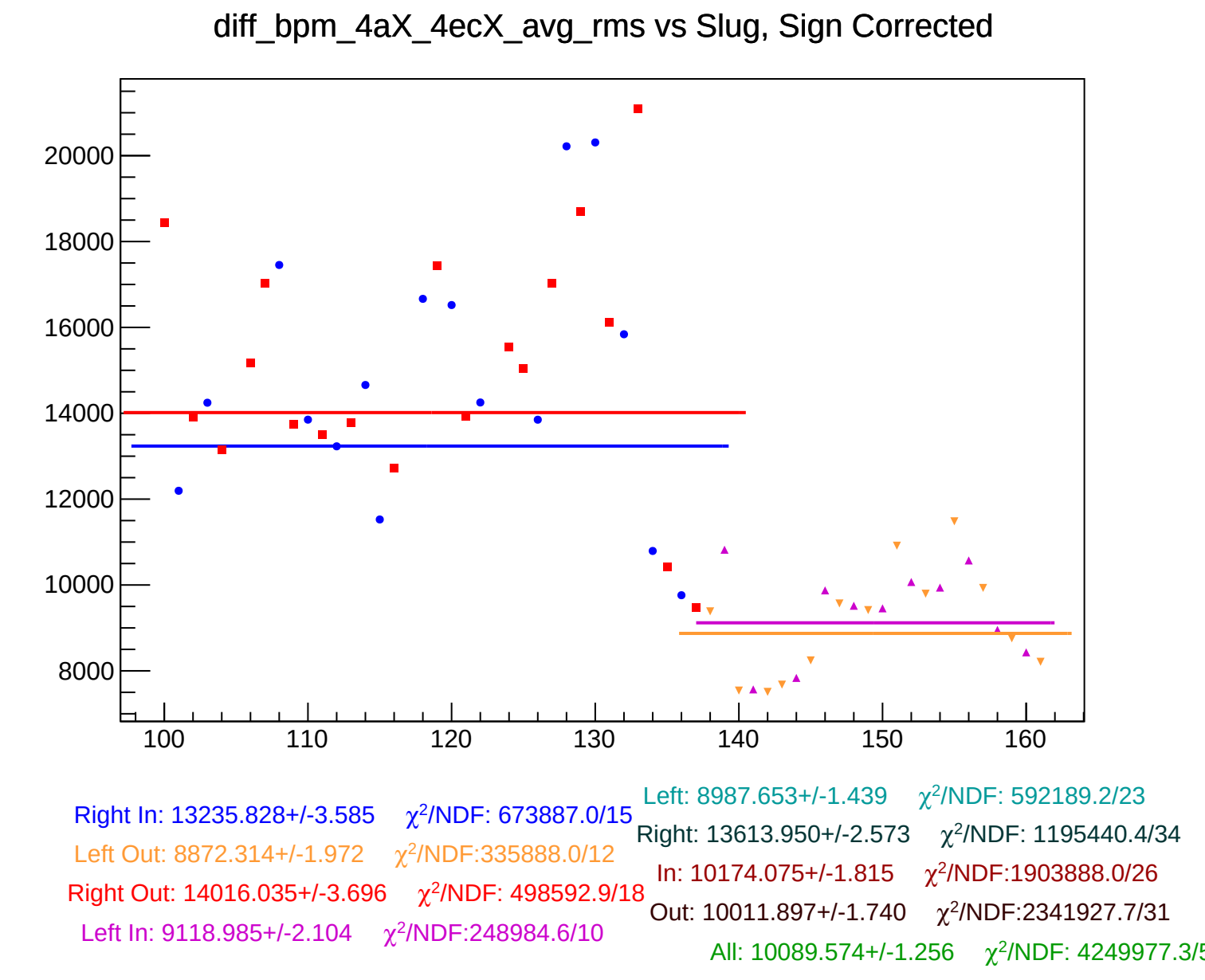
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

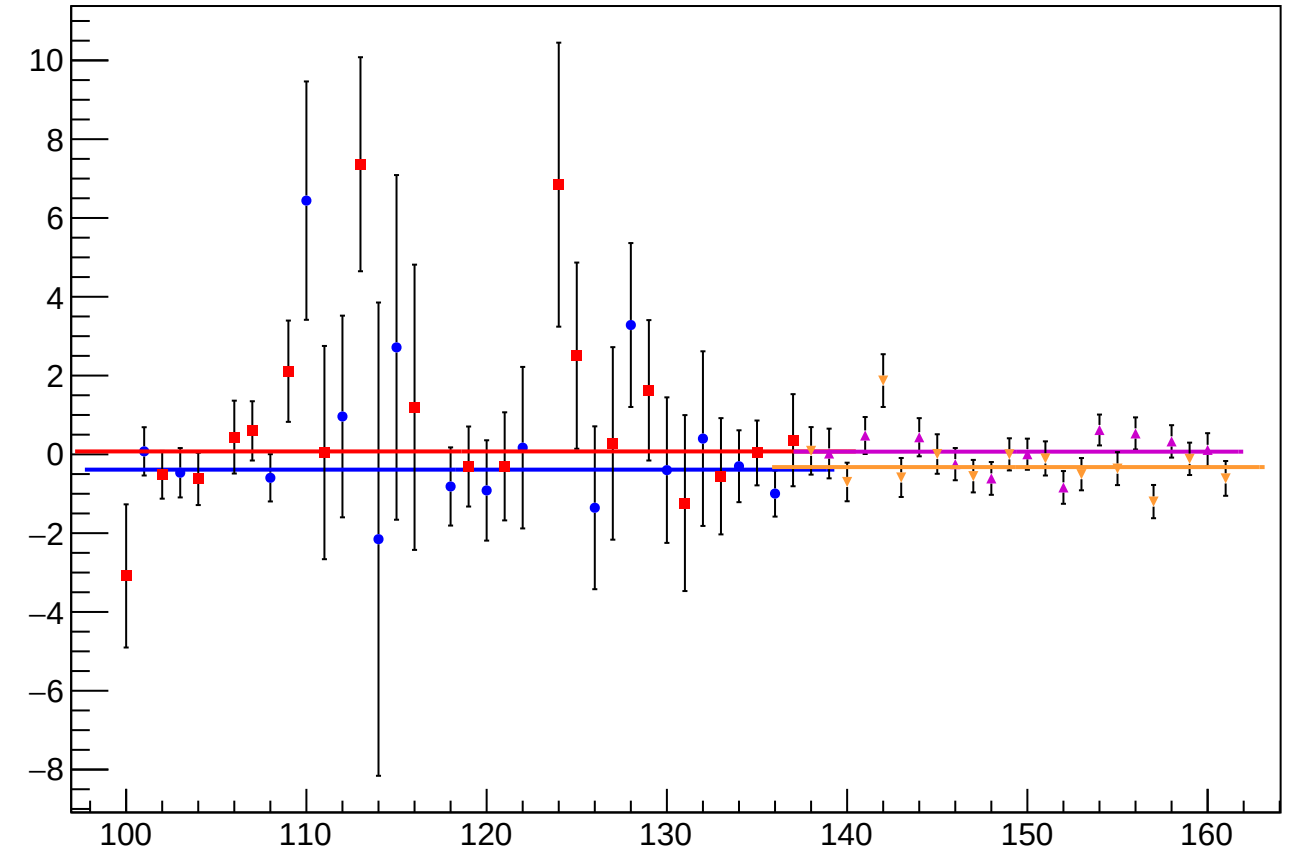
In: 441.218+/-0.082 χ^2/NDF:4468972.5/26

Out: 448.483+/-0.081 χ^2/NDF:4519189.2/31

All: 444.888+/-0.058 χ^2/NDF: 8992103.7/58


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -12.275+/-2.789 χ²/NDF:30.8/12
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 0.915+/-2.976 χ²/NDF:10.2/10
Left: -6.108+/-2.035 χ²/NDF: 51.5/23
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -1.660+/-2.566 χ²/NDF:35.9/26
Out: -7.166+/-2.460 χ²/NDF:59.7/31
All: -4.529+/-1.776 χ²/NDF: 97.9/58


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8872.314+/-1.972 χ²/NDF:335888.0/12
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9118.985+/-2.104 χ²/NDF:248984.6/10
Left: 8987.653+/-1.439 χ²/NDF: 592189.2/23
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10174.075+/-1.815 χ²/NDF:1903888.0/26
Out: 10011.897+/-1.740 χ²/NDF:2341927.7/31
All: 10089.574+/-1.256 χ²/NDF: 4249977.3/5



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.323+/-0.126 χ^2/NDF:18.9/12

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.069+/-0.130 χ^2/NDF:13.1/10

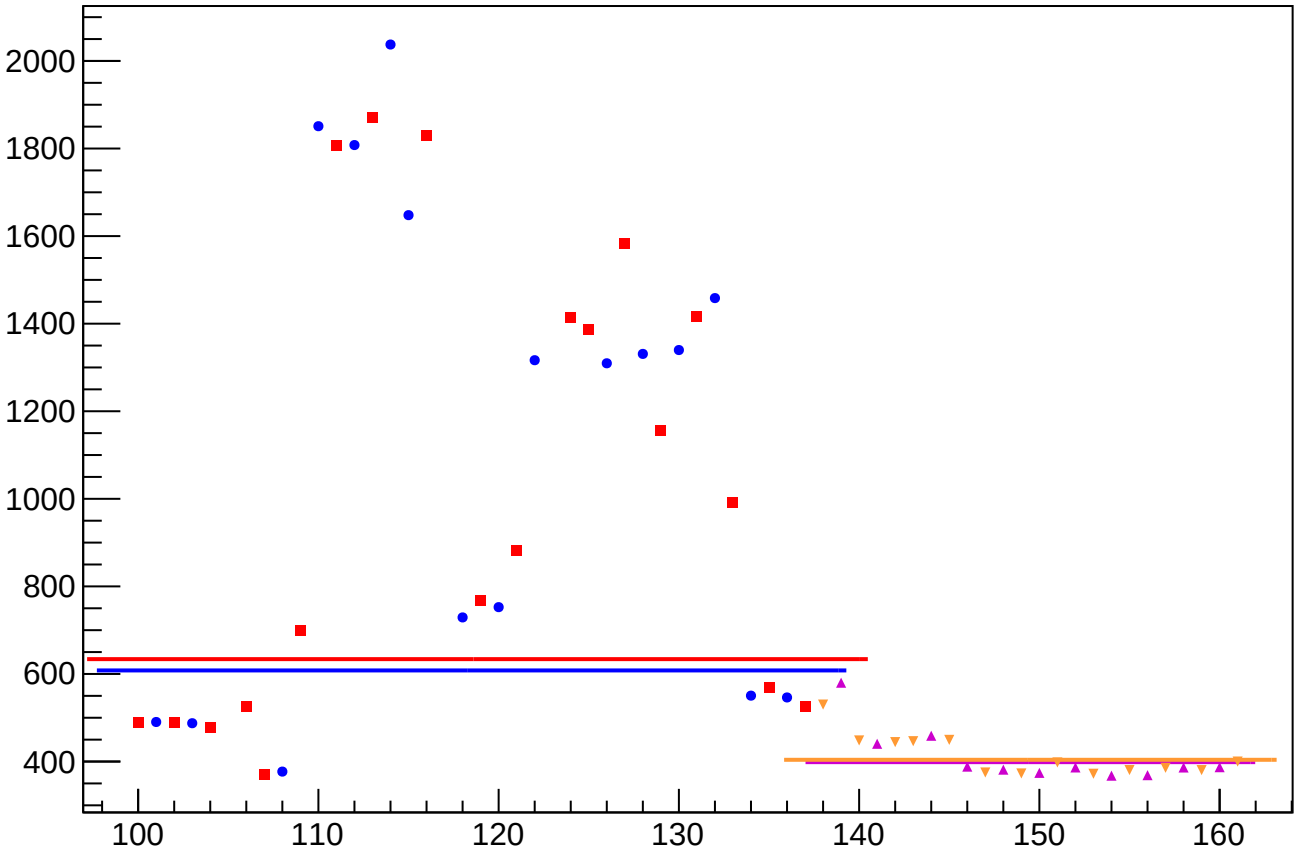
Left: -0.133+/-0.091 χ^2/NDF: 36.7/23

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.025+/-0.116 χ^2/NDF:27.3/26

Out: -0.249+/-0.114 χ^2/NDF:42.4/31

All: -0.139+/-0.081 χ^2/NDF: 71.6/58



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 403.968+/-0.089 χ^2/NDF:192949.9/12

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 398.627+/-0.092 χ^2/NDF:252938.1/10

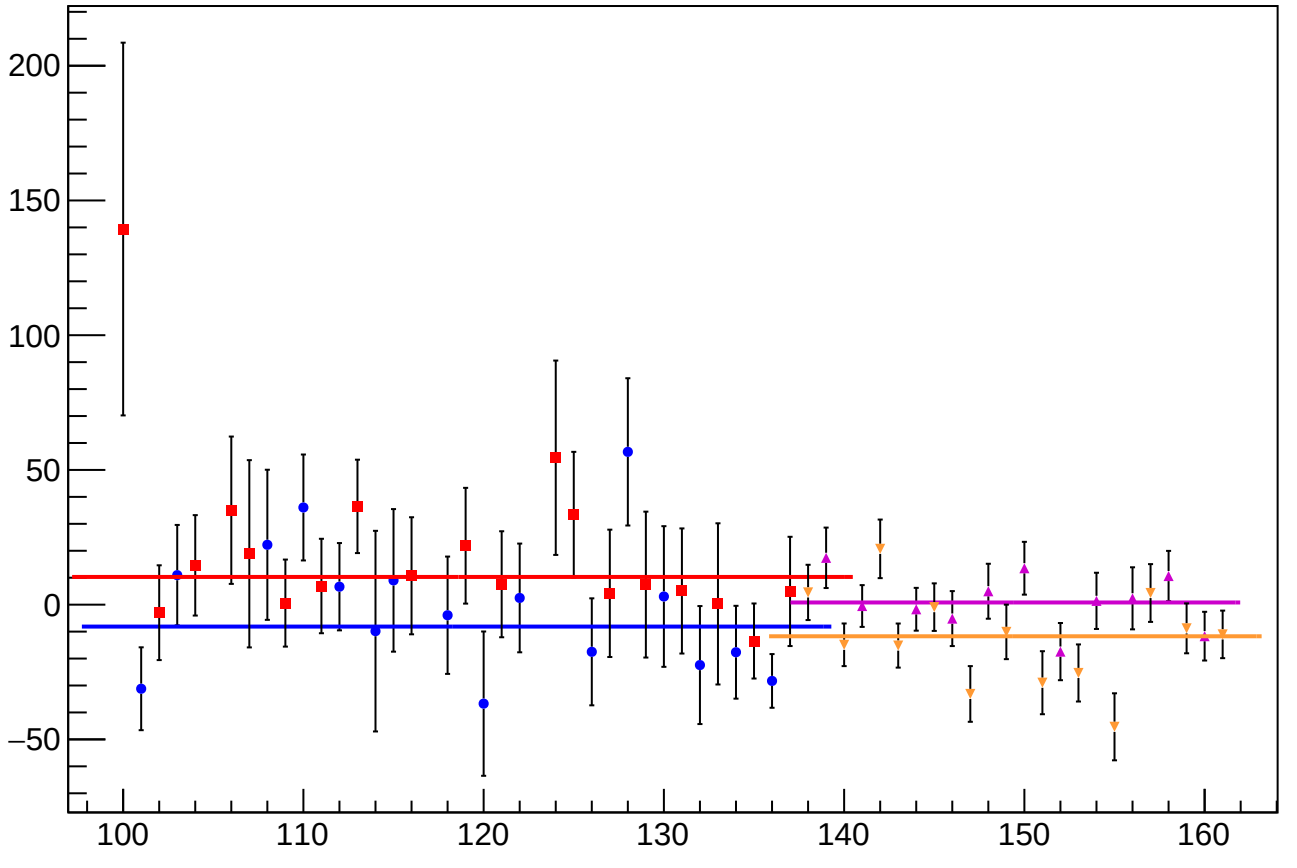
Left: 401.374+/-0.064 χ^2/NDF: 447627.5/23

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 441.574+/-0.082 χ^2/NDF:4172249.8/26

Out: 446.612+/-0.081 χ^2/NDF:4212084.2/31

All: 444.134+/-0.057 χ^2/NDF: 8386258.2/58



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.731+/-2.704 χ^2/NDF:31.1/12

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 0.812+/-2.894 χ^2/NDF:10.5/10

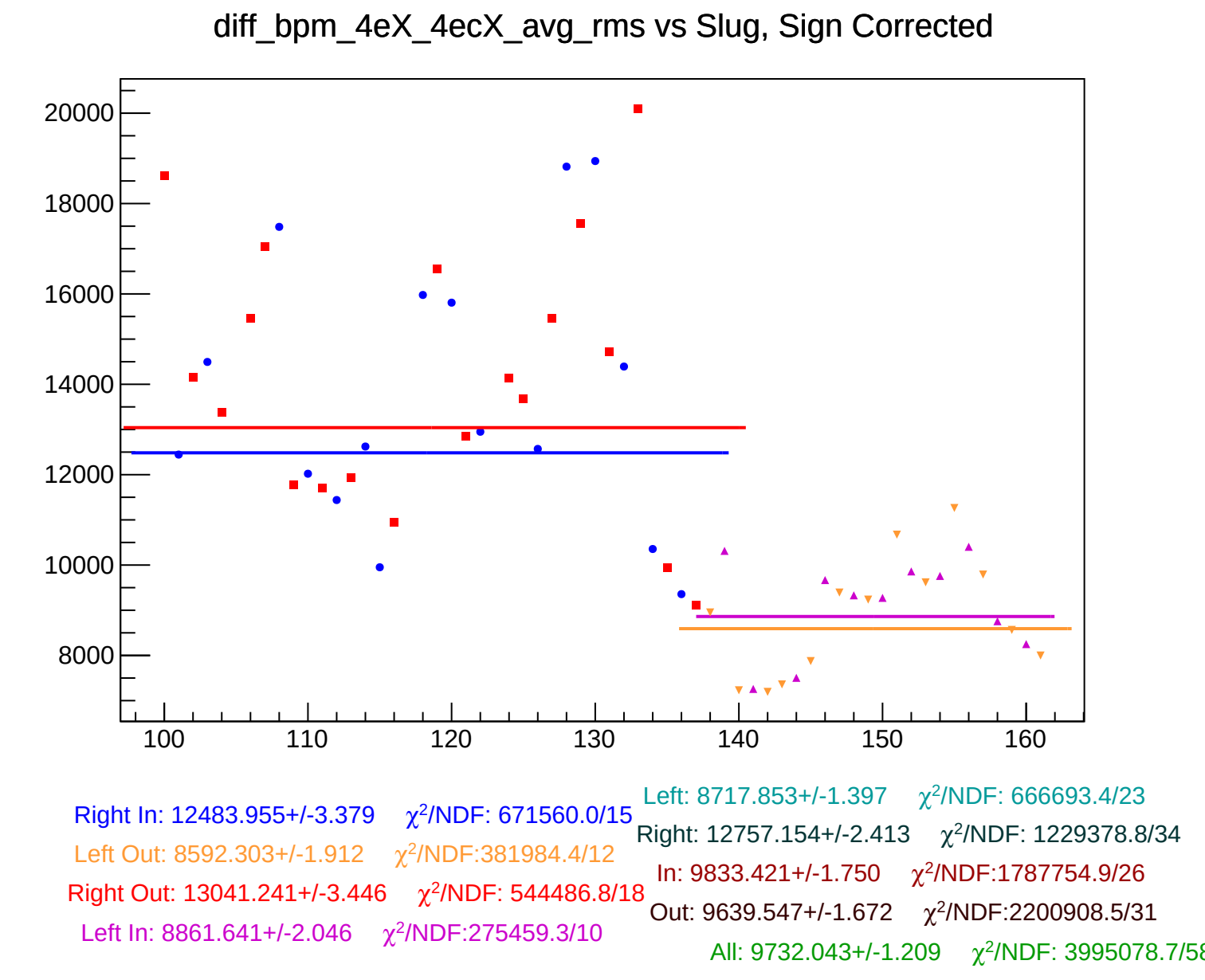
Left: -5.884+/-1.976 χ^2/NDF: 51.6/23

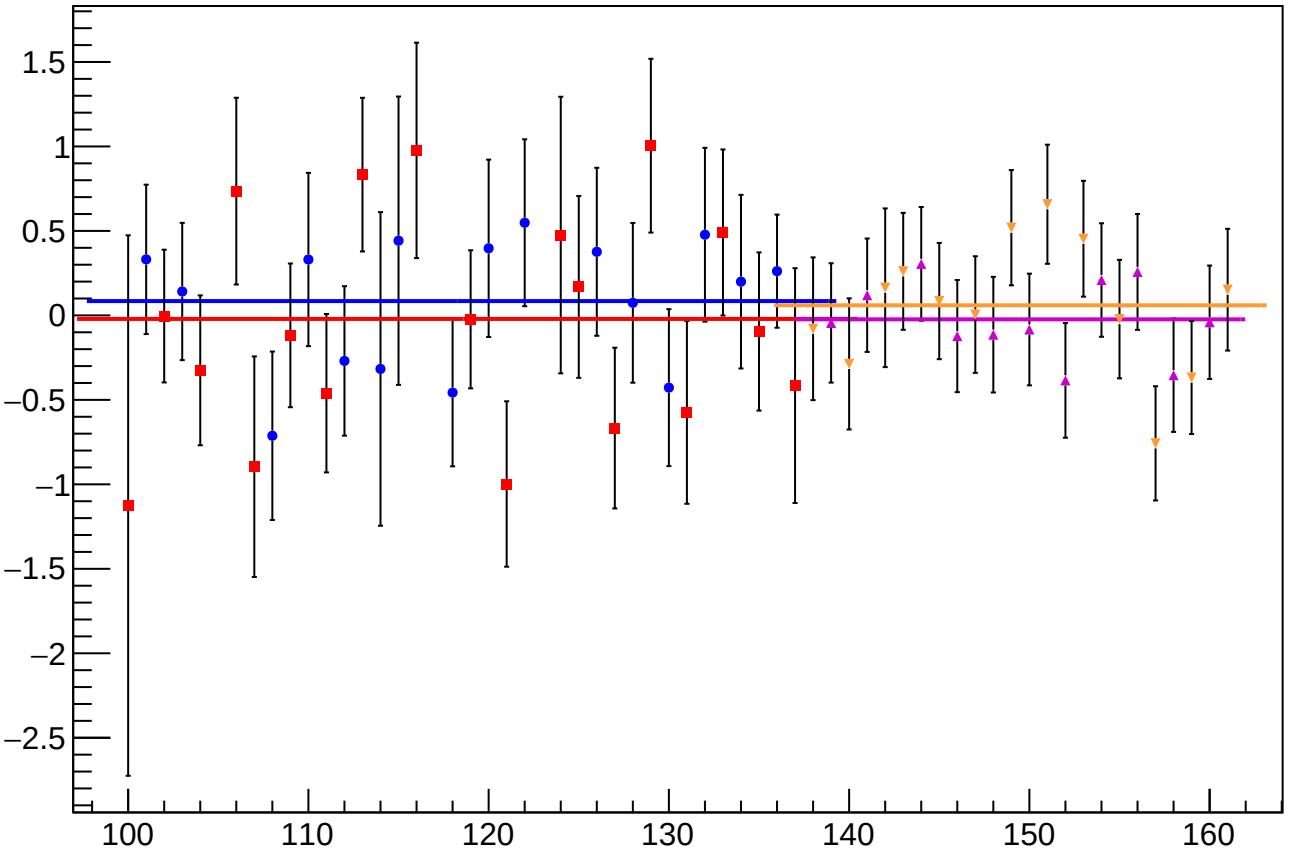
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.588+/-2.475 χ^2/NDF:36.2/26

Out: -6.548+/-2.364 χ^2/NDF:60.4/31

All: -4.181+/-1.710 χ^2/NDF: 98.6/58


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8592.303+/-1.912 χ²/NDF:381984.4/12
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8861.641+/-2.046 χ²/NDF:275459.3/10
Left: 8717.853+/-1.397 χ²/NDF: 666693.4/23
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9833.421+/-1.750 χ²/NDF:1787754.9/26
Out: 9639.547+/-1.672 χ²/NDF:2200908.5/31
All: 9732.043+/-1.209 χ²/NDF: 3995078.7/58



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.060+/-0.100 χ^2/NDF:14.9/12

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.023+/-0.102 χ^2/NDF:4.6/10

Left: 0.019+/-0.071 χ^2/NDF: 19.9/23

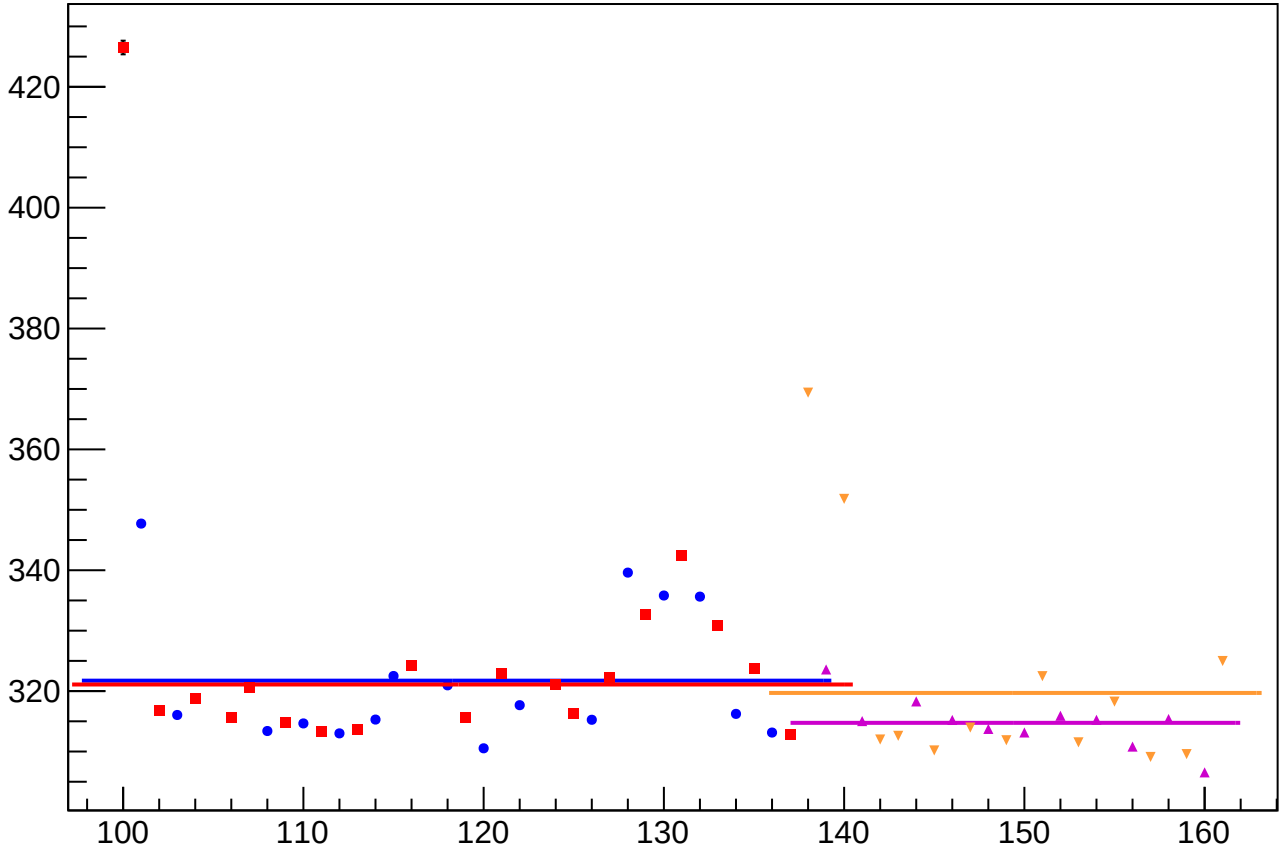
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.022+/-0.078 χ^2/NDF:14.4/26

Out: 0.026+/-0.076 χ^2/NDF:39.5/31

All: 0.024+/-0.054 χ^2/NDF: 53.9/58

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 319.696+/-0.070 χ^2/NDF:51398.8/12

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 314.747+/-0.072 χ^2/NDF:3034.1/10

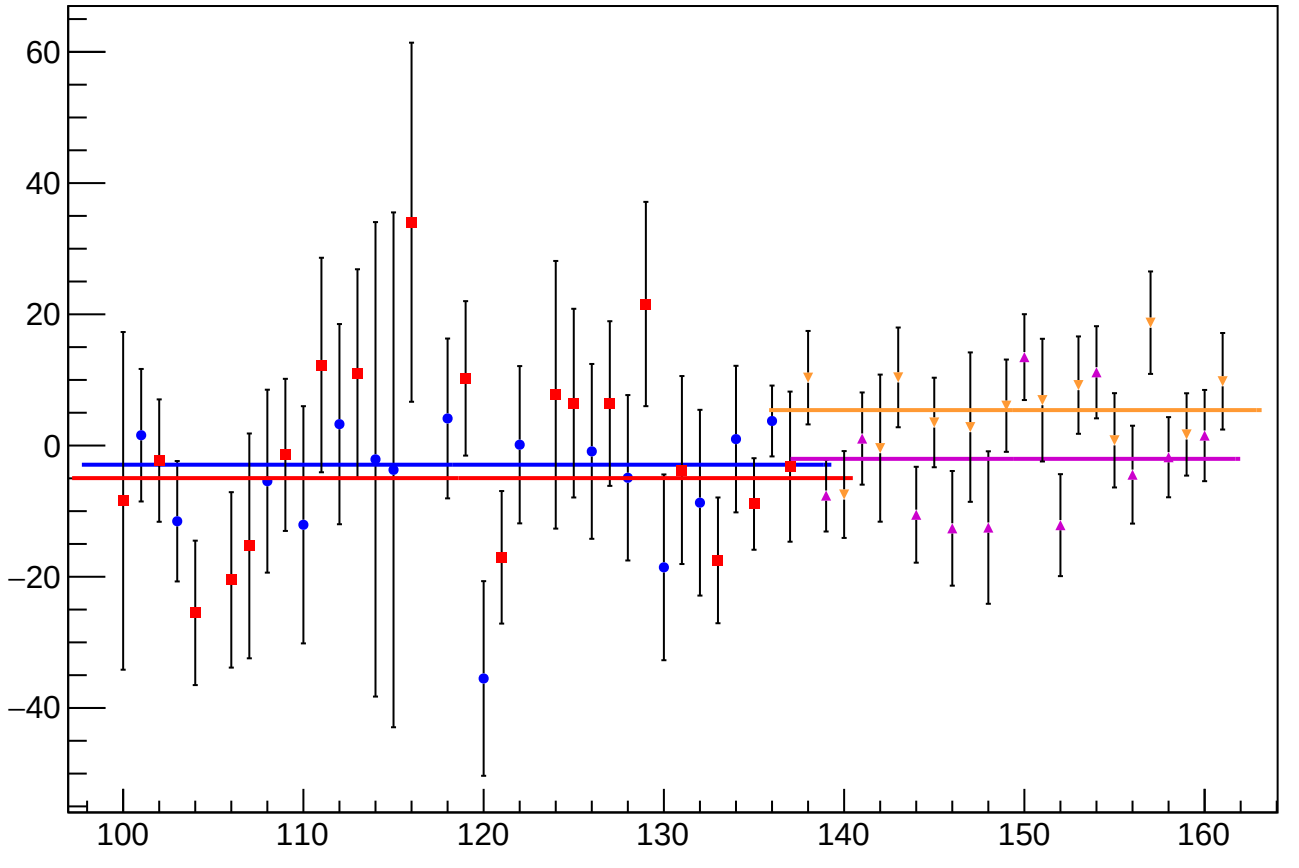
Left: 317.276+/-0.050 χ^2/NDF: 56843.9/23

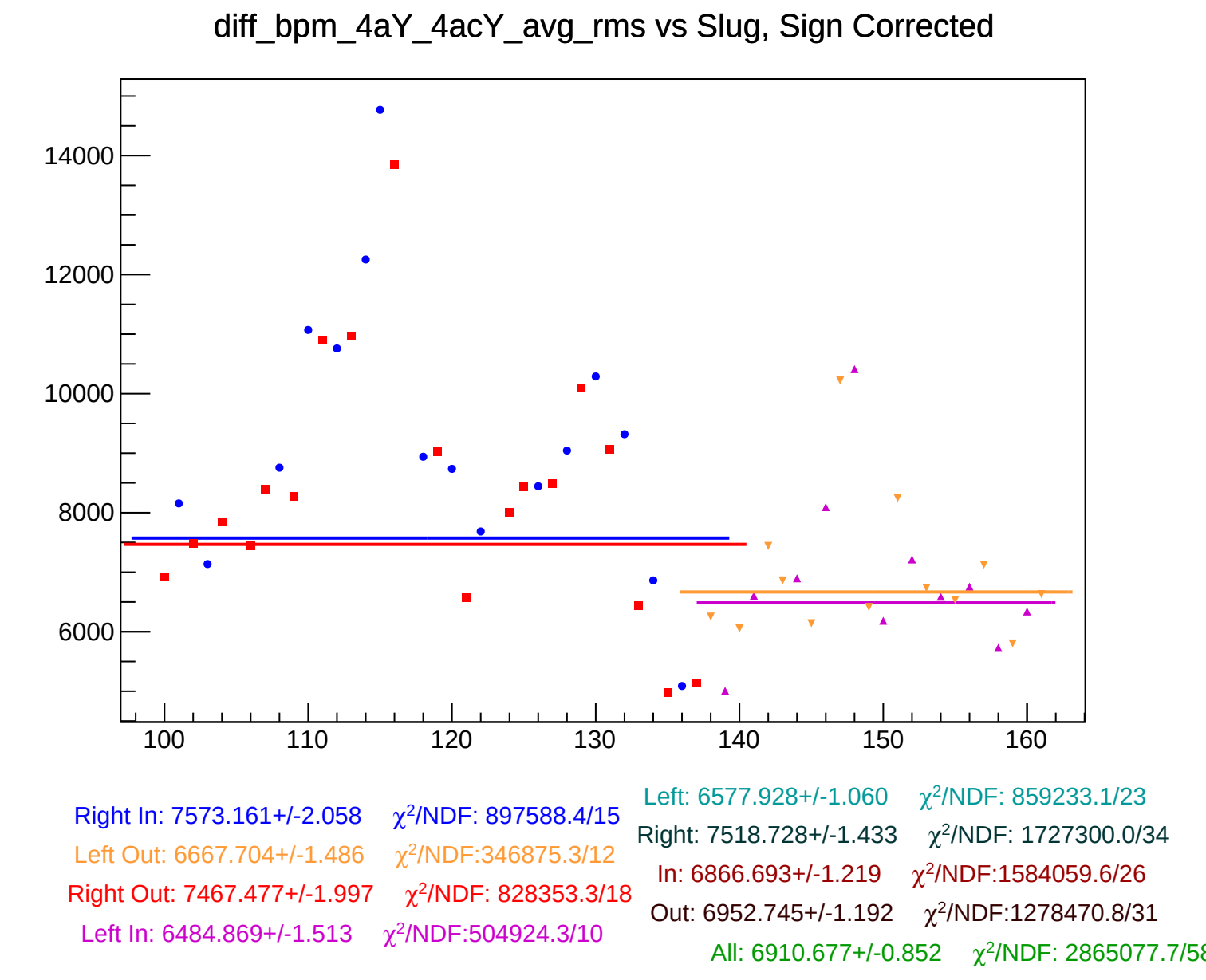
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

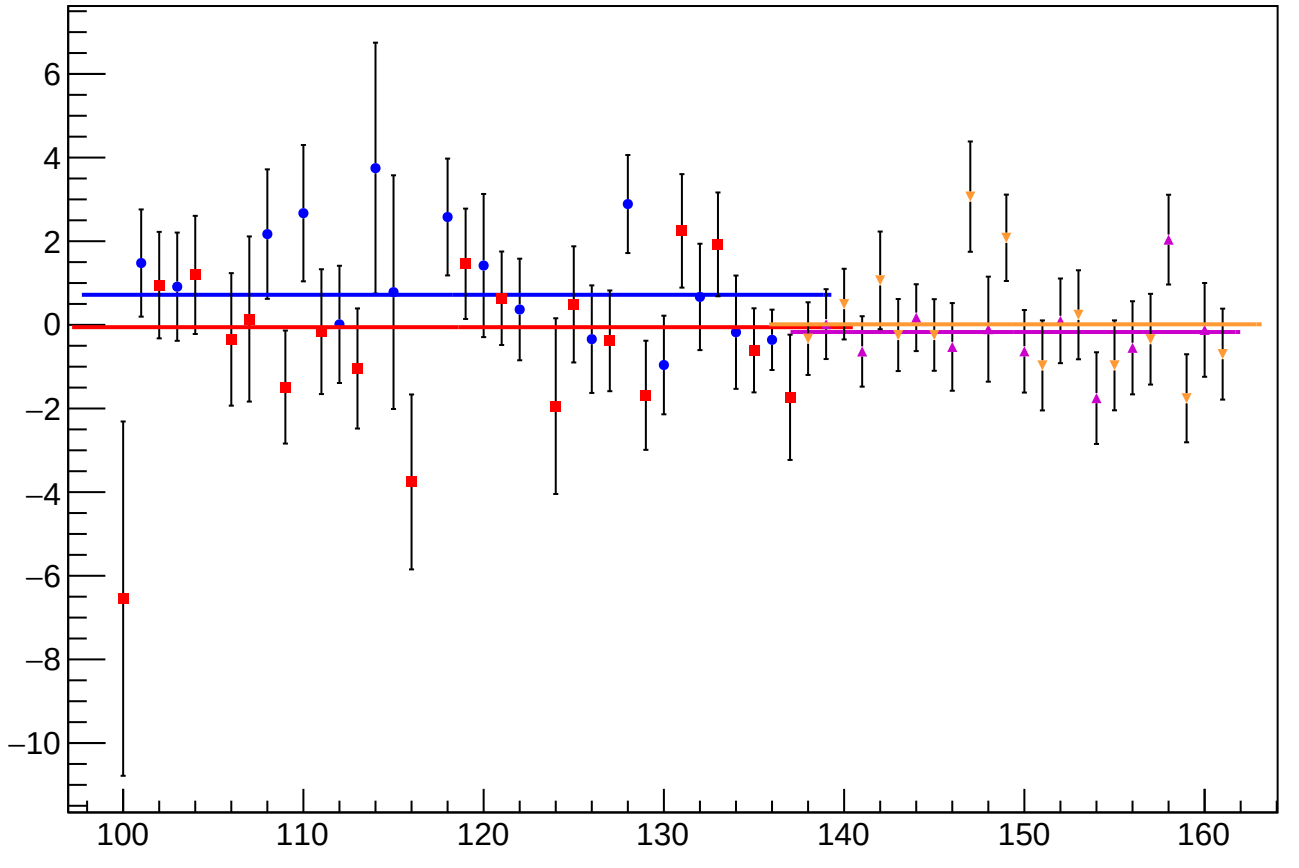
In: 317.667+/-0.055 χ^2/NDF:25174.8/26

Out: 320.281+/-0.054 χ^2/NDF:68142.4/31

All: 319.003+/-0.038 χ^2/NDF: 94473.0/58


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 5.400+/-2.101 χ²/NDF:9.4/12
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: -2.029+/-2.140 χ²/NDF:16.1/10
Left: 1.752+/-1.499 χ²/NDF: 31.6/23
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -2.342+/-1.724 χ²/NDF:26.0/26
Out: 1.706+/-1.686 χ²/NDF:37.5/31
All: -0.273+/-1.205 χ²/NDF: 66.3/58


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6667.704+/-1.486 χ²/NDF:346875.3/12
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6484.869+/-1.513 χ²/NDF:504924.3/10
Left: 6577.928+/-1.060 χ²/NDF: 859233.1/23
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6866.693+/-1.219 χ²/NDF:1584059.6/26
Out: 6952.745+/-1.192 χ²/NDF:1278470.8/31
All: 6910.677+/-0.852 χ²/NDF: 2865077.7/58



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.278 χ^2/NDF:15.9/12

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.171+/-0.298 χ^2/NDF:7.4/10

Left: -0.073+/-0.203 χ^2/NDF: 23.5/23

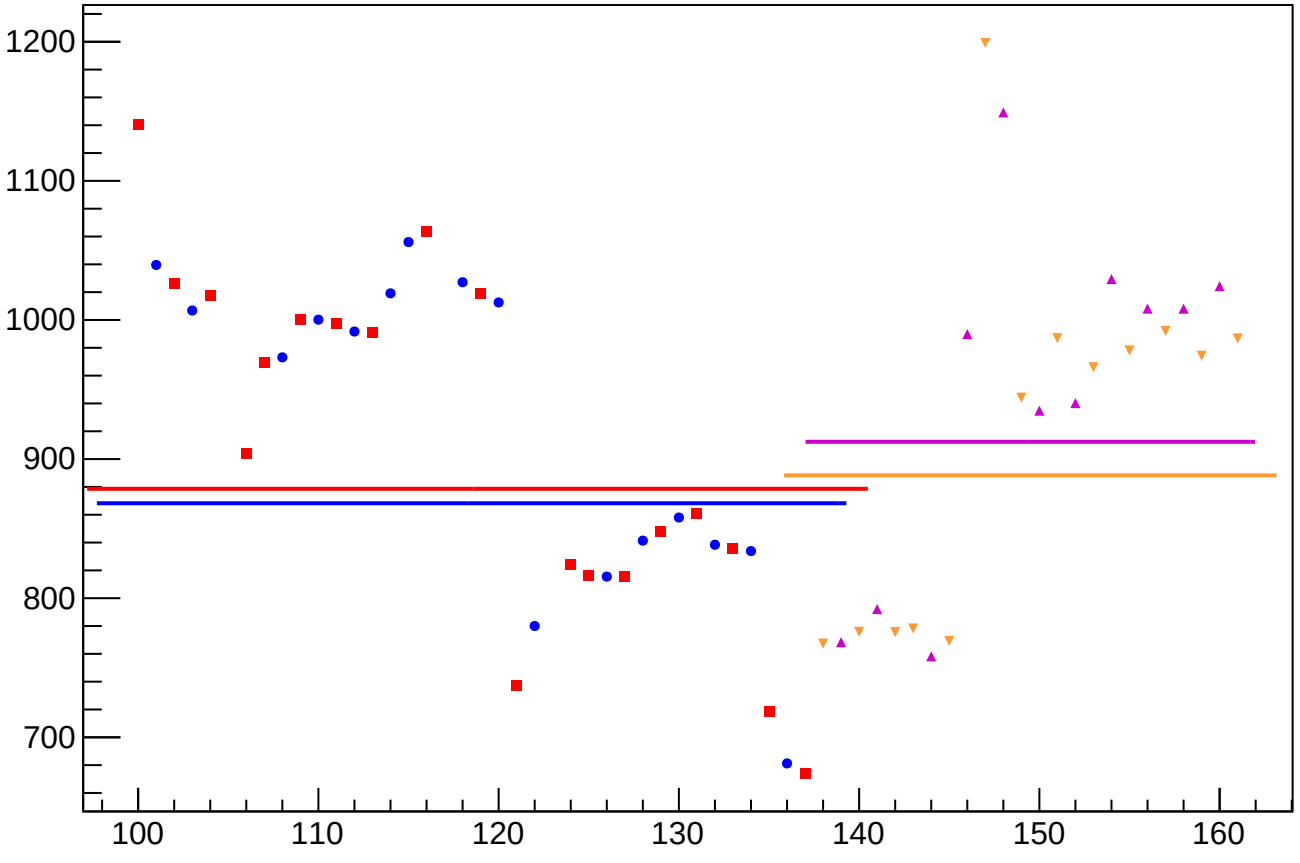
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.234+/-0.220 χ^2/NDF:26.2/26

Out: -0.016+/-0.211 χ^2/NDF:35.8/31

All: 0.104+/-0.152 χ^2/NDF: 62.7/58

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 888.311+/-0.197 χ^2/NDF:370556.0/12

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 912.435+/-0.211 χ^2/NDF:332707.7/10

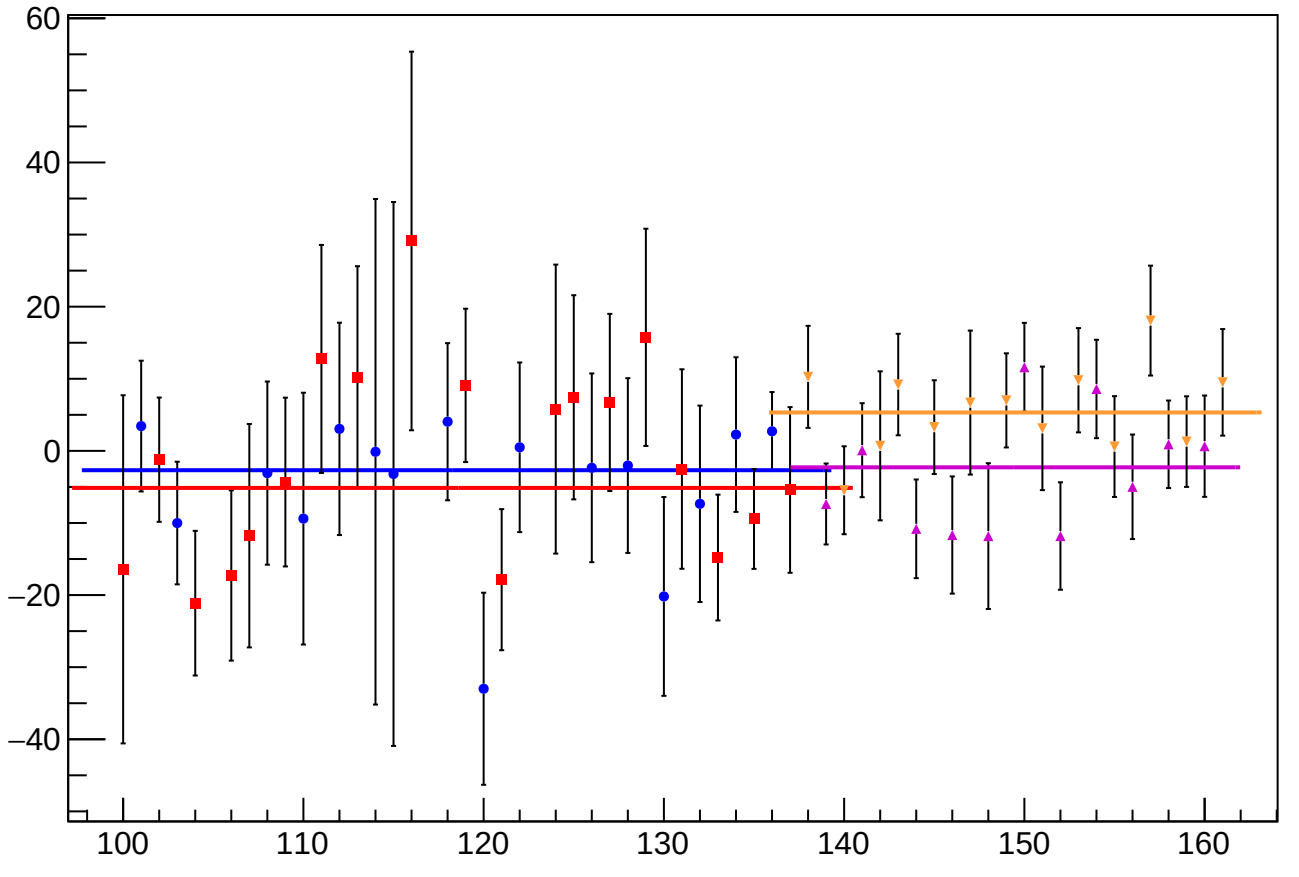
Left: 899.557+/-0.144 χ^2/NDF: 710259.5/23

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 892.316+/-0.156 χ^2/NDF:655134.9/26

Out: 884.200+/-0.149 χ^2/NDF:644110.1/31

All: 888.090+/-0.108 χ^2/NDF: 1300663.0/58



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 5.329+/-2.010 χ^2/NDF:8.7/12

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.282+/-2.068 χ^2/NDF:14.6/10

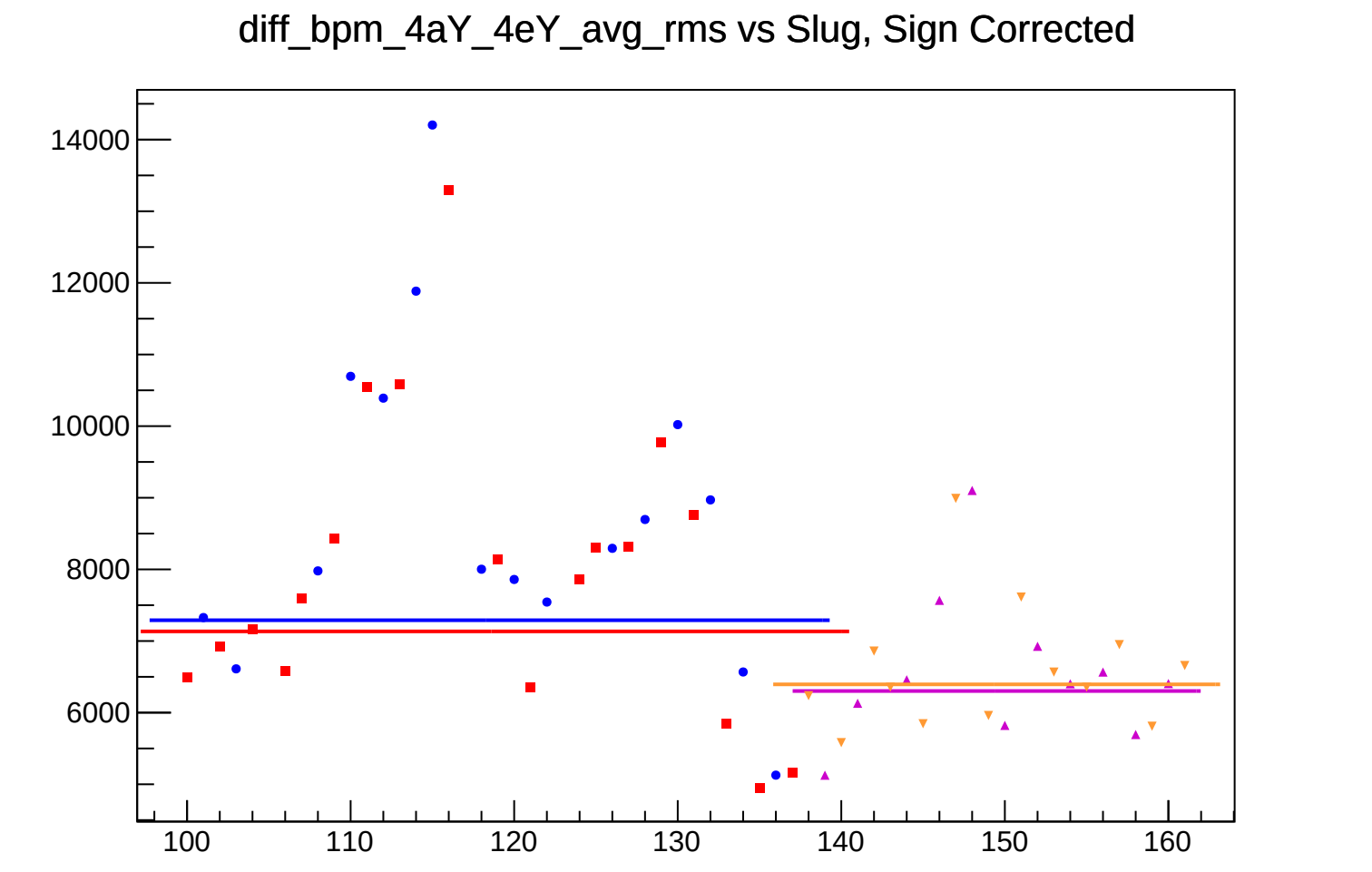
Left: 1.633+/-1.441 χ^2/NDF: 30.3/23

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.424+/-1.661 χ^2/NDF:24.7/26

Out: 1.584+/-1.610 χ^2/NDF:35.7/31

All: -0.358+/-1.156 χ^2/NDF: 63.4/58



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6394.851+/-1.421 χ^2/NDF:271156.7/12

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6302.004+/-1.462 χ^2/NDF:341692.1/10

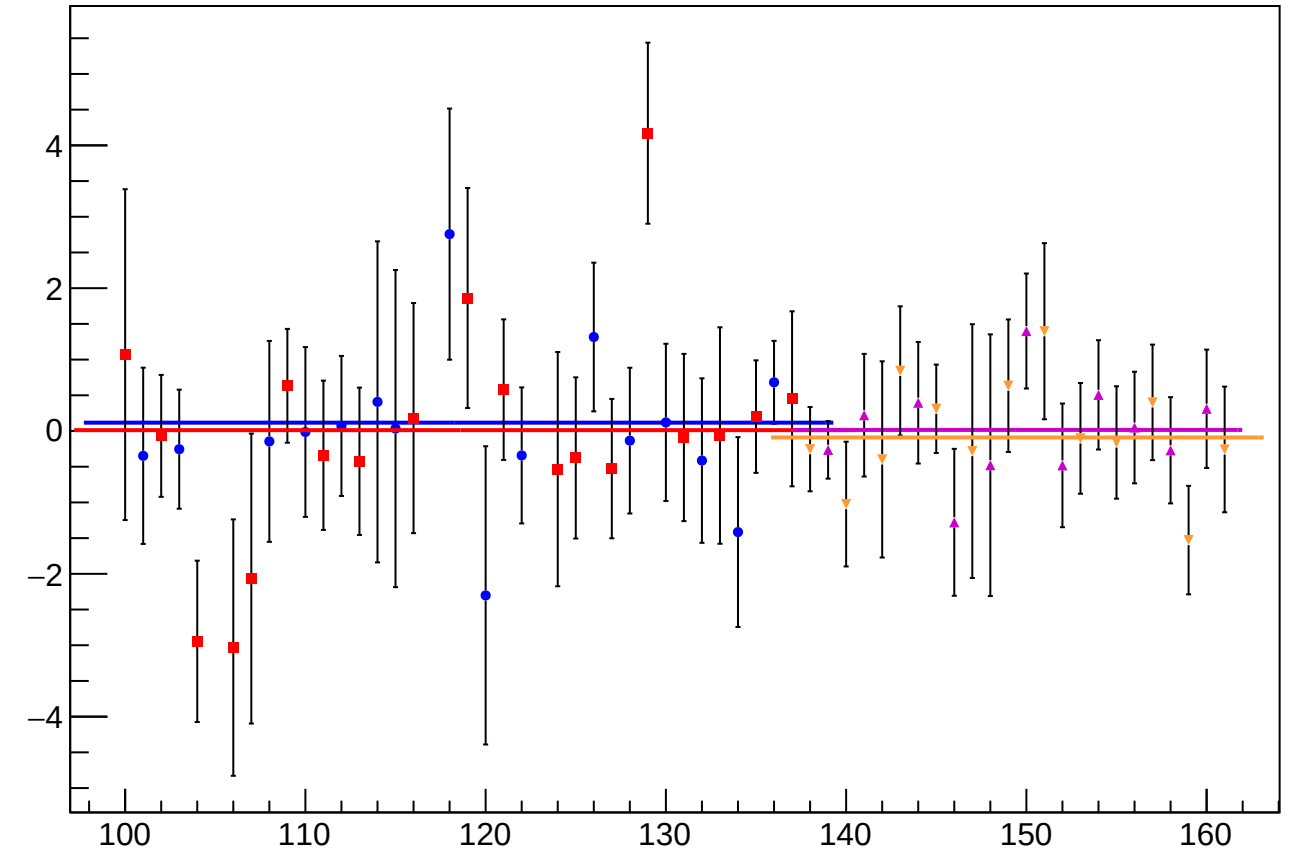
Left: 6349.758+/-1.019 χ^2/NDF: 614922.3/23

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6652.711+/-1.174 χ^2/NDF:1274299.5/26

Out: 6659.505+/-1.139 χ^2/NDF:1160881.4/31

All: 6656.213+/-0.818 χ^2/NDF: 2435198.2/58



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.090+/-0.232 χ^2/NDF:8.8/12

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.015+/-0.226 χ^2/NDF:6.4/10

Left: -0.036+/-0.162 χ^2/NDF: 15.3/23

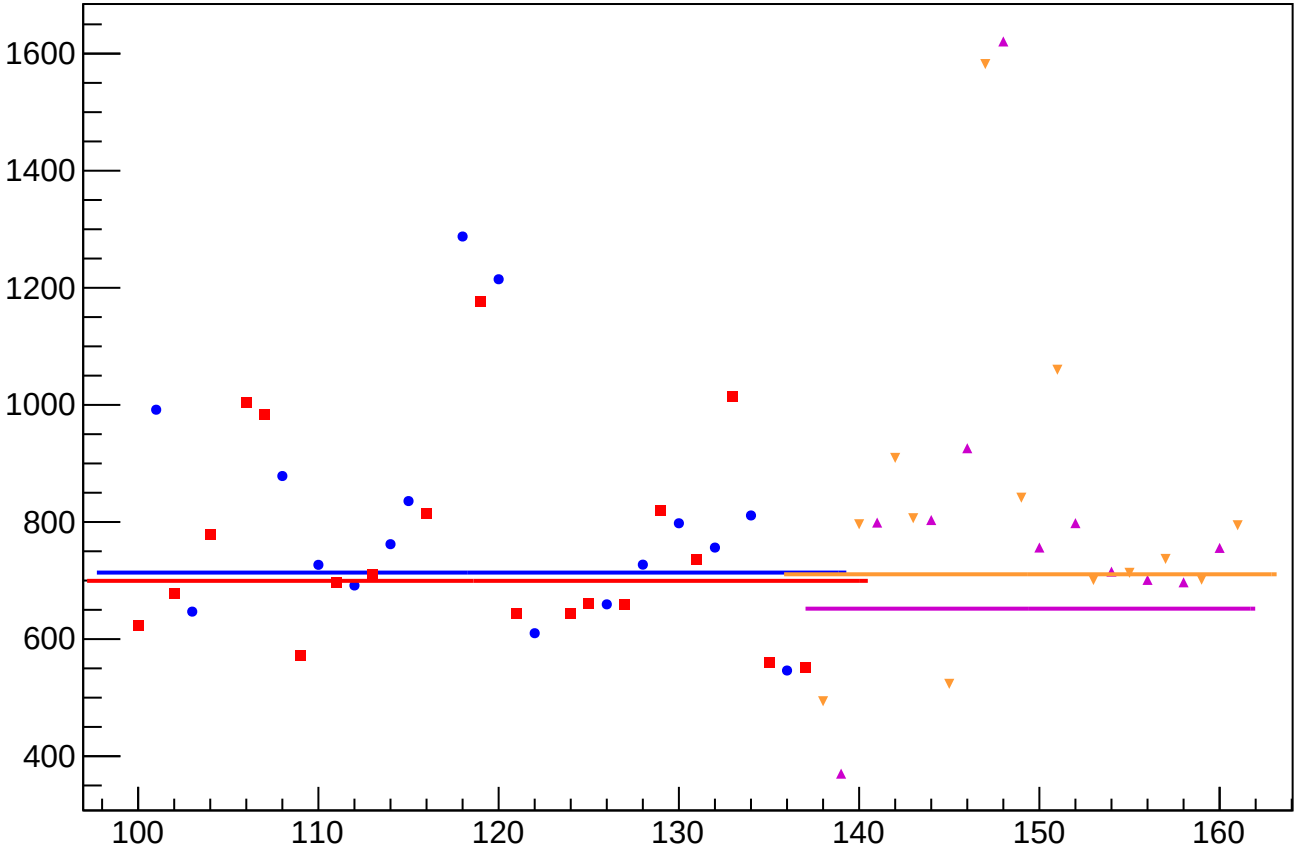
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.056+/-0.174 χ^2/NDF:14.6/26

Out: -0.045+/-0.174 χ^2/NDF:34.1/31

All: 0.006+/-0.123 χ^2/NDF: 48.8/58

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 710.713+/-0.164 χ^2/NDF:1238558.9/12

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 651.990+/-0.160 χ^2/NDF:1950114.5/10

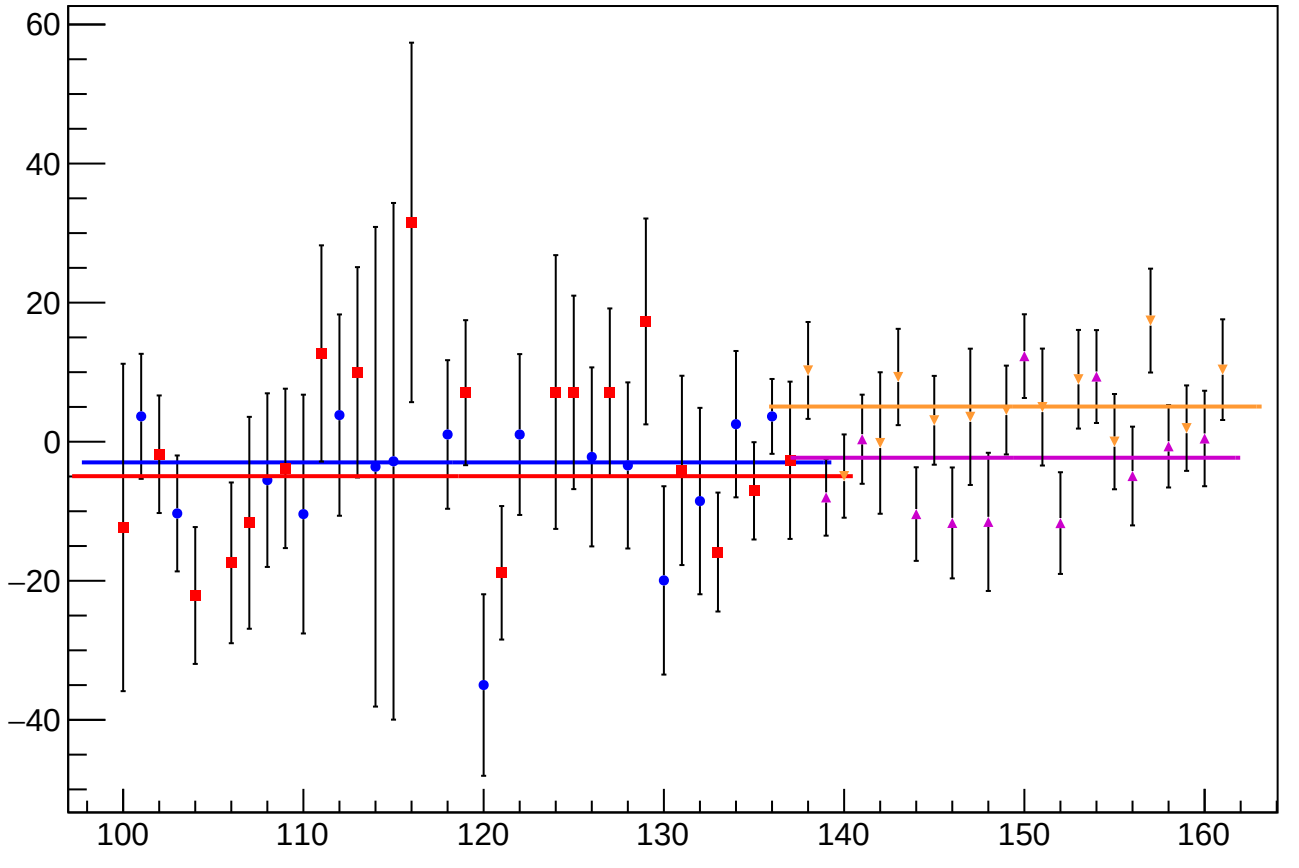
Left: 680.508+/-0.115 χ^2/NDF: 3254354.0/23

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 677.013+/-0.123 χ^2/NDF:2709908.6/26

Out: 705.802+/-0.123 χ^2/NDF:1816357.5/31

All: 691.394+/-0.087 χ^2/NDF: 4553600.6/58



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 5.057+/-1.972 χ^2/NDF:8.5/12

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.305+/-2.026 χ^2/NDF:15.9/10

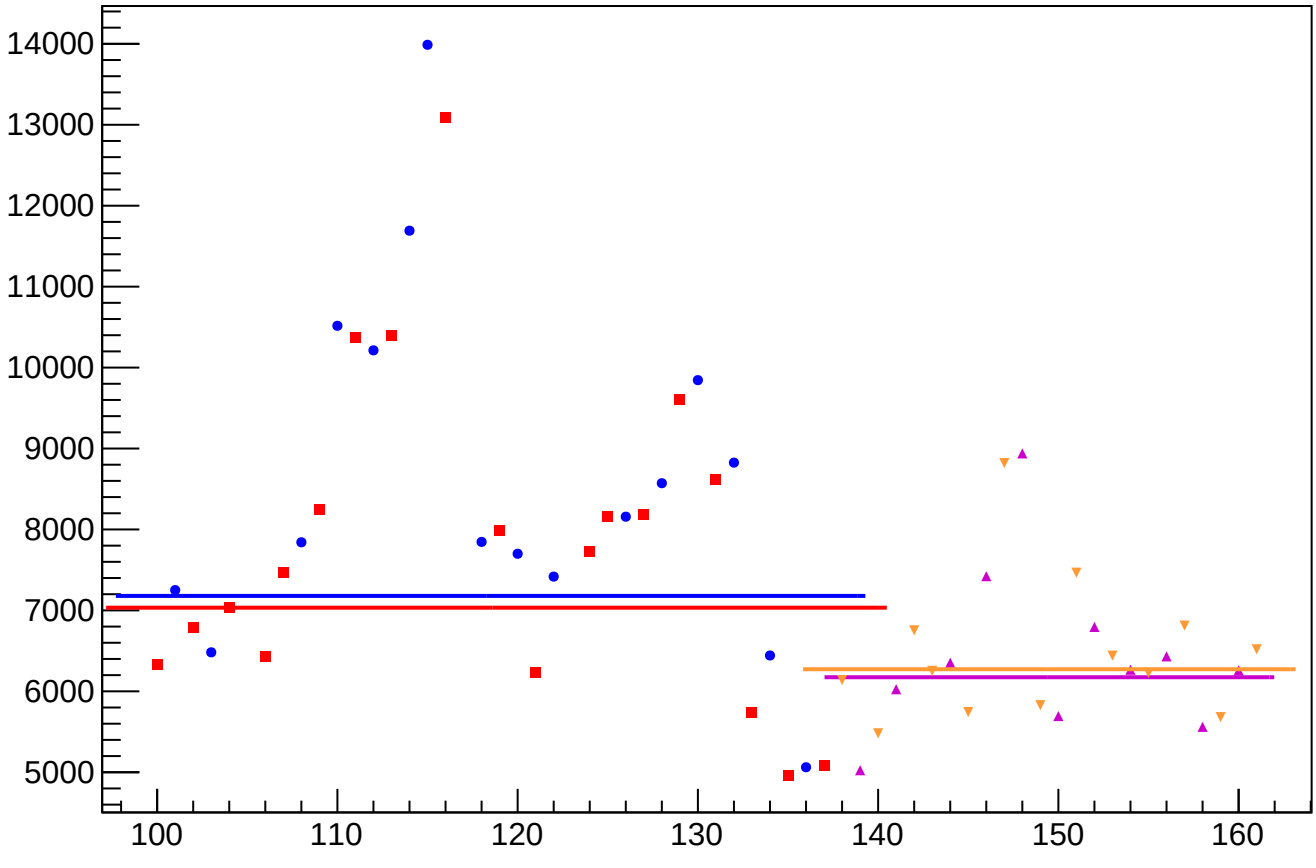
Left: 1.477+/-1.413 χ^2/NDF: 31.2/23

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.541+/-1.631 χ^2/NDF:27.5/26

Out: 1.495+/-1.582 χ^2/NDF:36.1/31

All: -0.462+/-1.136 χ^2/NDF: 66.8/58



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6272.961+/-1.394 χ^2/NDF:271446.3/12

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6174.107+/-1.433 χ^2/NDF:345461.5/10

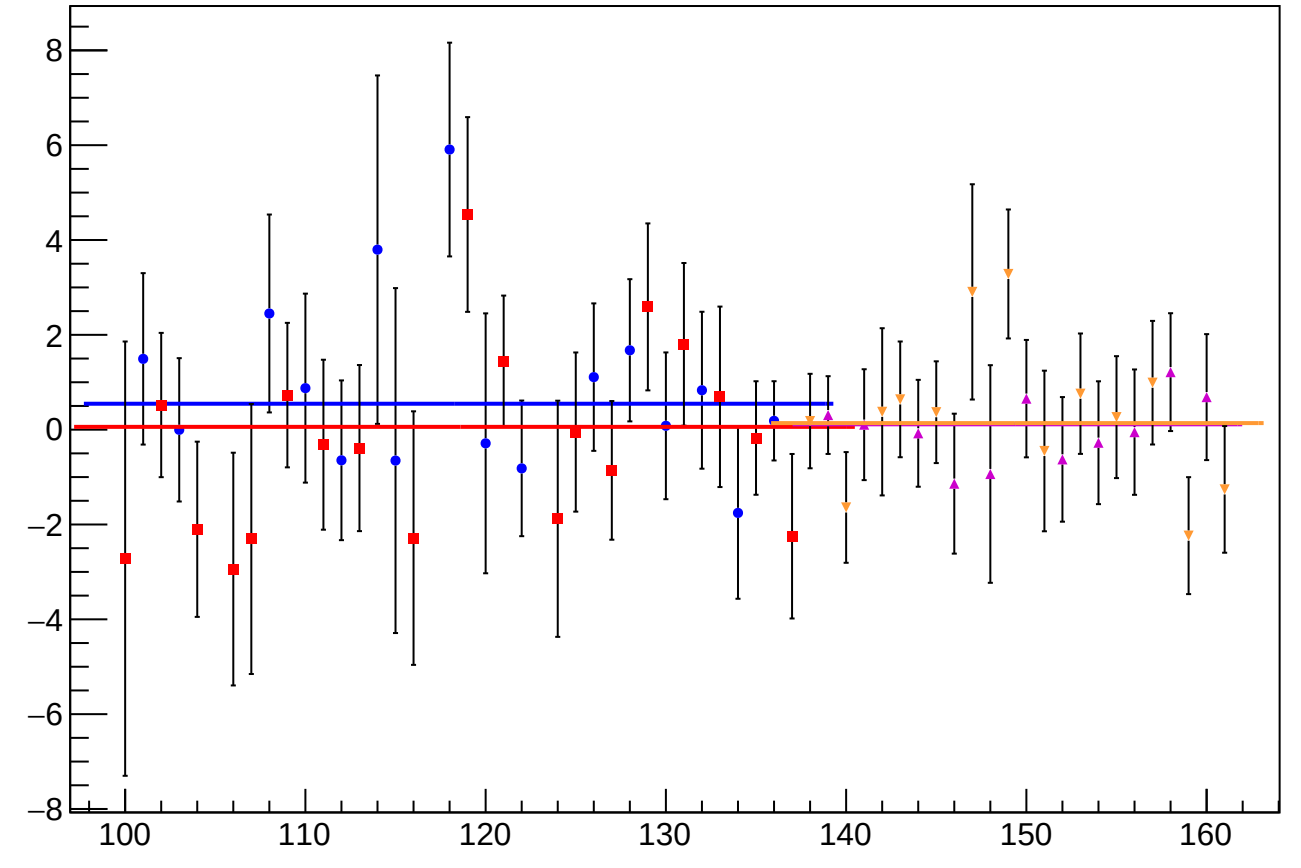
Left: 6224.891+/-0.999 χ^2/NDF: 619352.7/23

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6528.384+/-1.153 χ^2/NDF:1280768.2/26

Out: 6543.532+/-1.119 χ^2/NDF:1143721.0/31

All: 6536.185+/-0.803 χ^2/NDF: 2424578.0/58



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.139+/-0.360 χ^2/NDF:15.0/12

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.113+/-0.371 χ^2/NDF:2.6/10

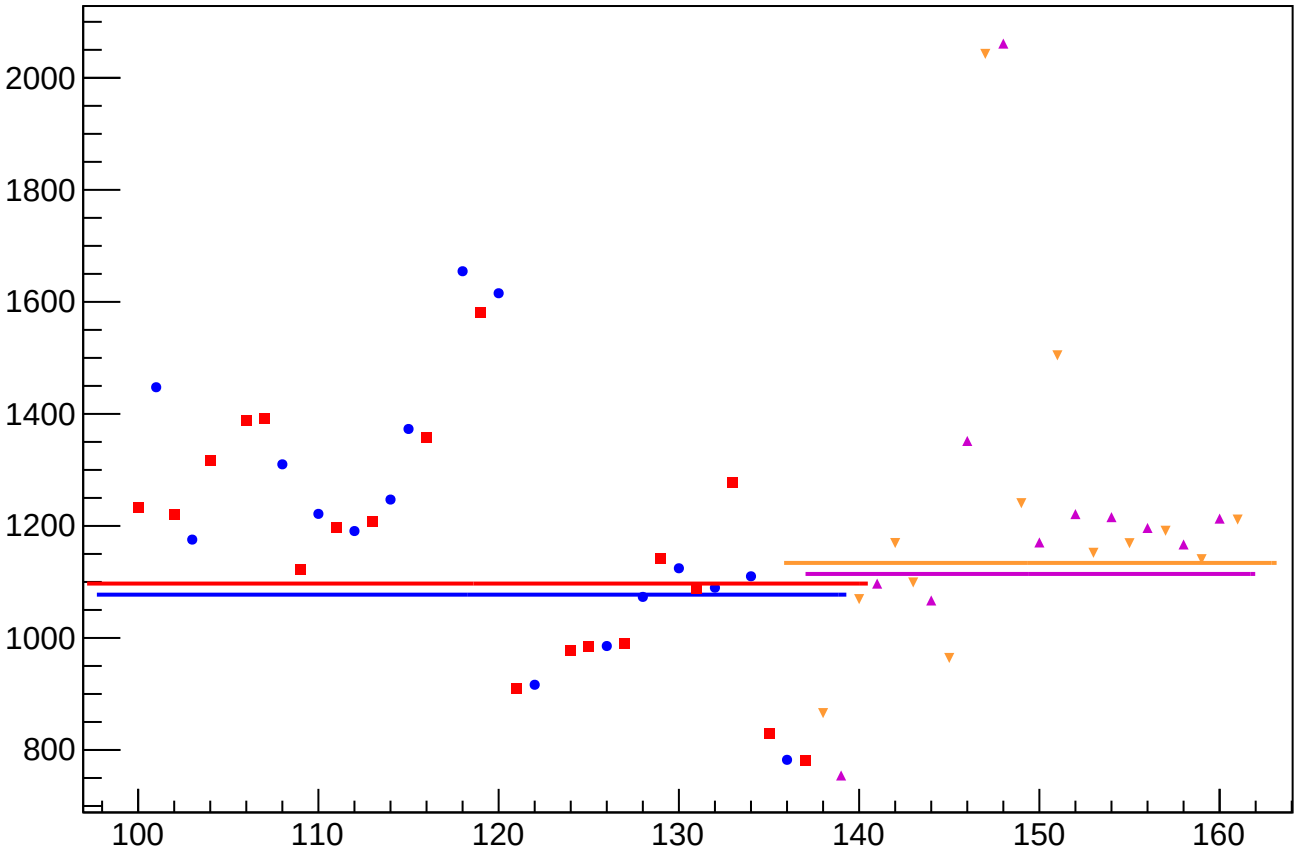
Left: 0.126+/-0.258 χ^2/NDF: 17.6/23

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.308+/-0.275 χ^2/NDF:15.1/26

Out: 0.104+/-0.270 χ^2/NDF:31.9/31

All: 0.204+/-0.193 χ^2/NDF: 47.3/58



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1133.980+/-0.255 χ^2/NDF:644614.4/12

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1114.287+/-0.262 χ^2/NDF:833211.3/10

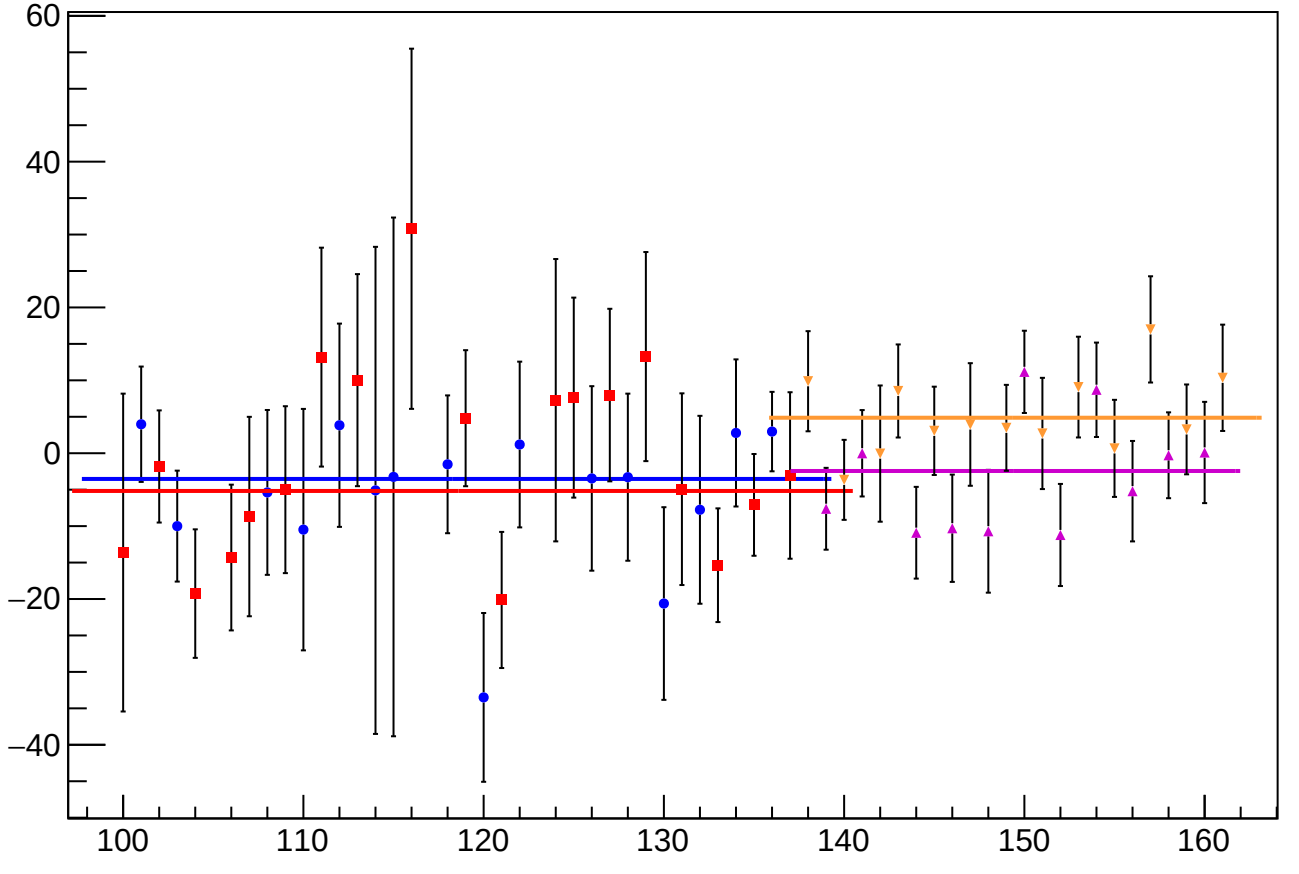
Left: 1124.429+/-0.183 χ^2/NDF: 1480729.0/23

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1097.682+/-0.195 χ^2/NDF:1488660.1/26

Out: 1117.879+/-0.191 χ^2/NDF:1138148.8/31

All: 1107.971+/-0.136 χ^2/NDF: 2632291.9/58



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.870+/-1.873 χ^2/NDF:8.0/12

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.437+/-1.945 χ^2/NDF:15.7/10

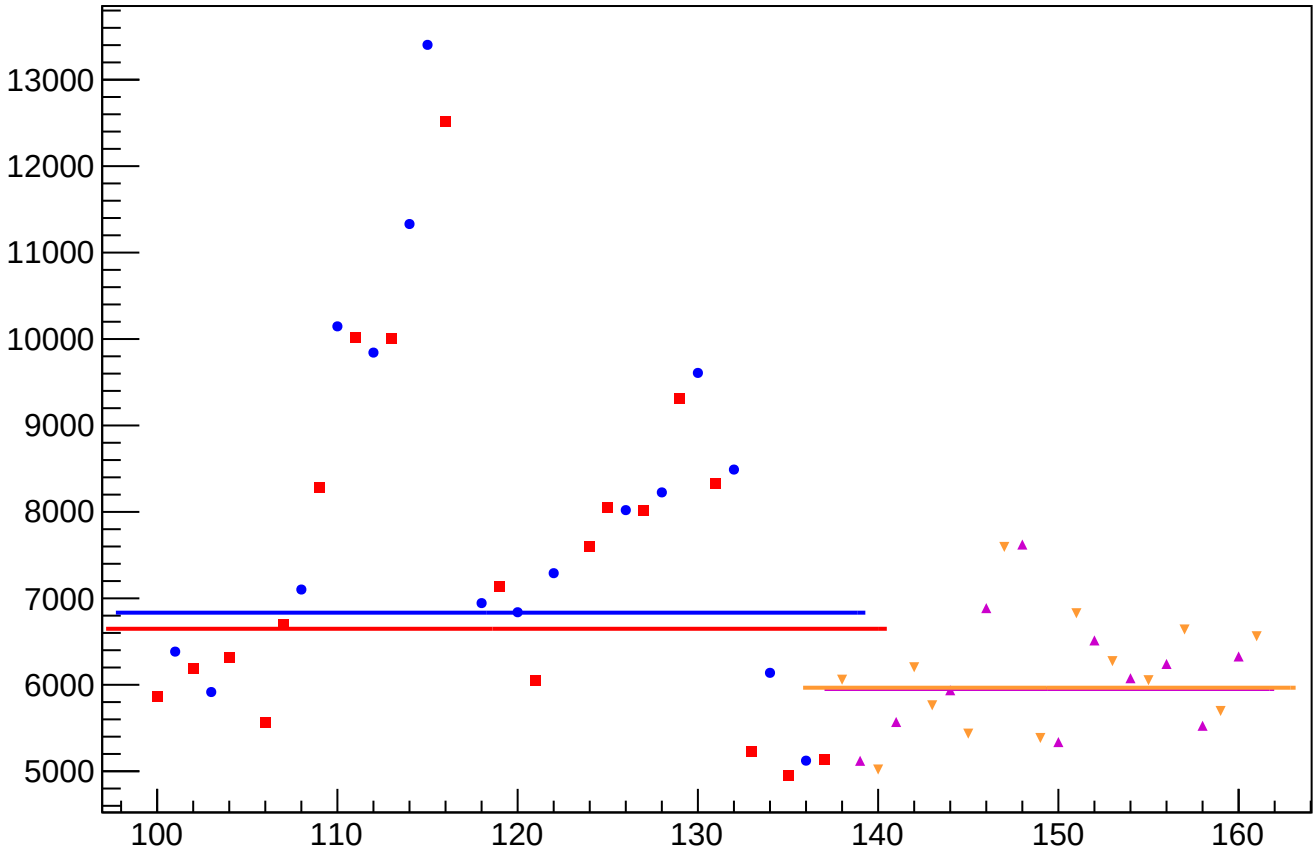
Left: 1.356+/-1.349 χ^2/NDF: 31.0/23

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.827+/-1.559 χ^2/NDF:28.4/26

Out: 1.274+/-1.500 χ^2/NDF:36.4/31

All: -0.697+/-1.081 χ^2/NDF: 68.5/58



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5966.288+/-1.324 χ^2/NDF:237012.1/12

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5951.513+/-1.376 χ^2/NDF:220197.8/10

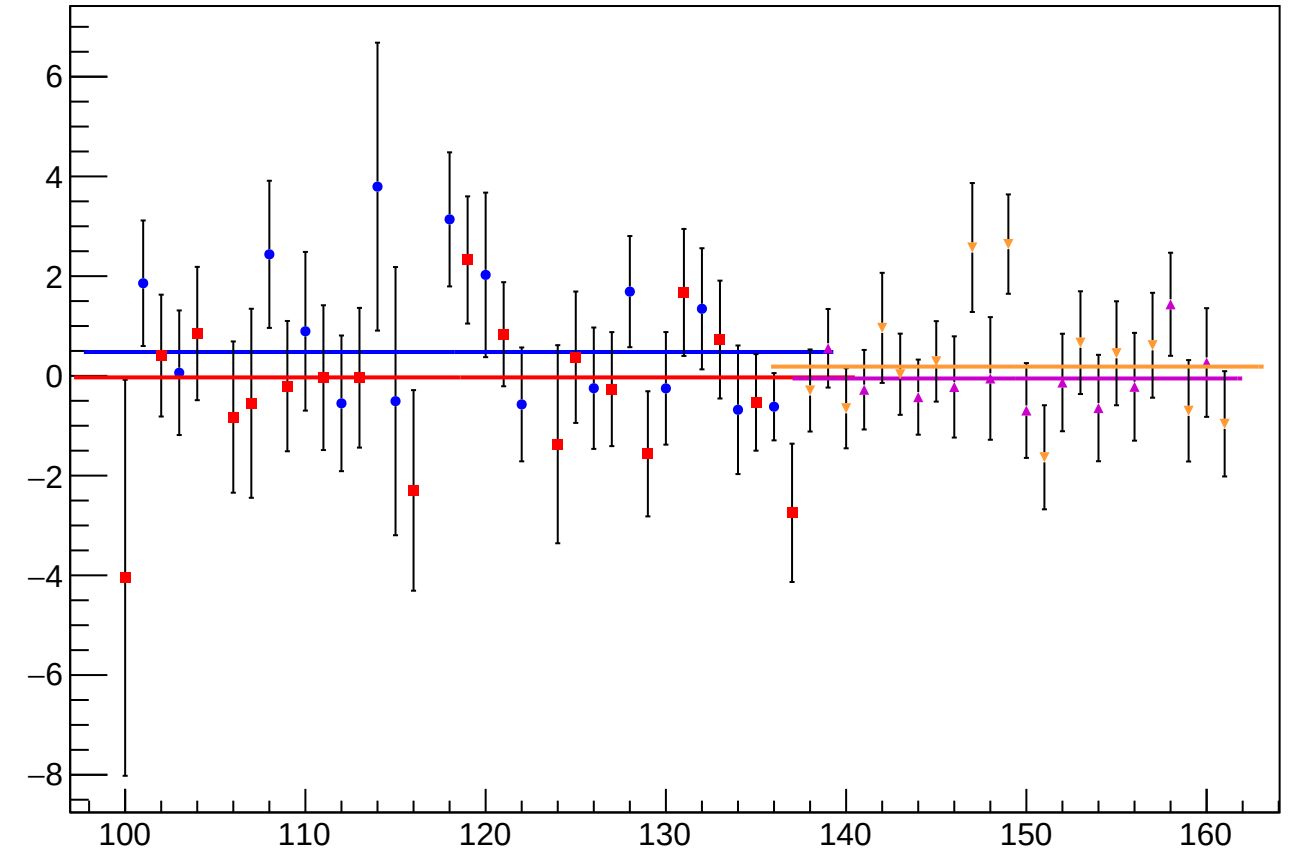
Left: 5959.182+/-0.954 χ^2/NDF: 457269.8/23

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6267.075+/-1.103 χ^2/NDF:1060163.0/26

Out: 6210.298+/-1.061 χ^2/NDF:1116992.3/31

All: 6237.594+/-0.765 χ^2/NDF: 2178532.1/58



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.186+/-0.267 χ^2/NDF:16.9/12

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.052+/-0.286 χ^2/NDF:3.9/10

Left: 0.075+/-0.195 χ^2/NDF: 21.2/23

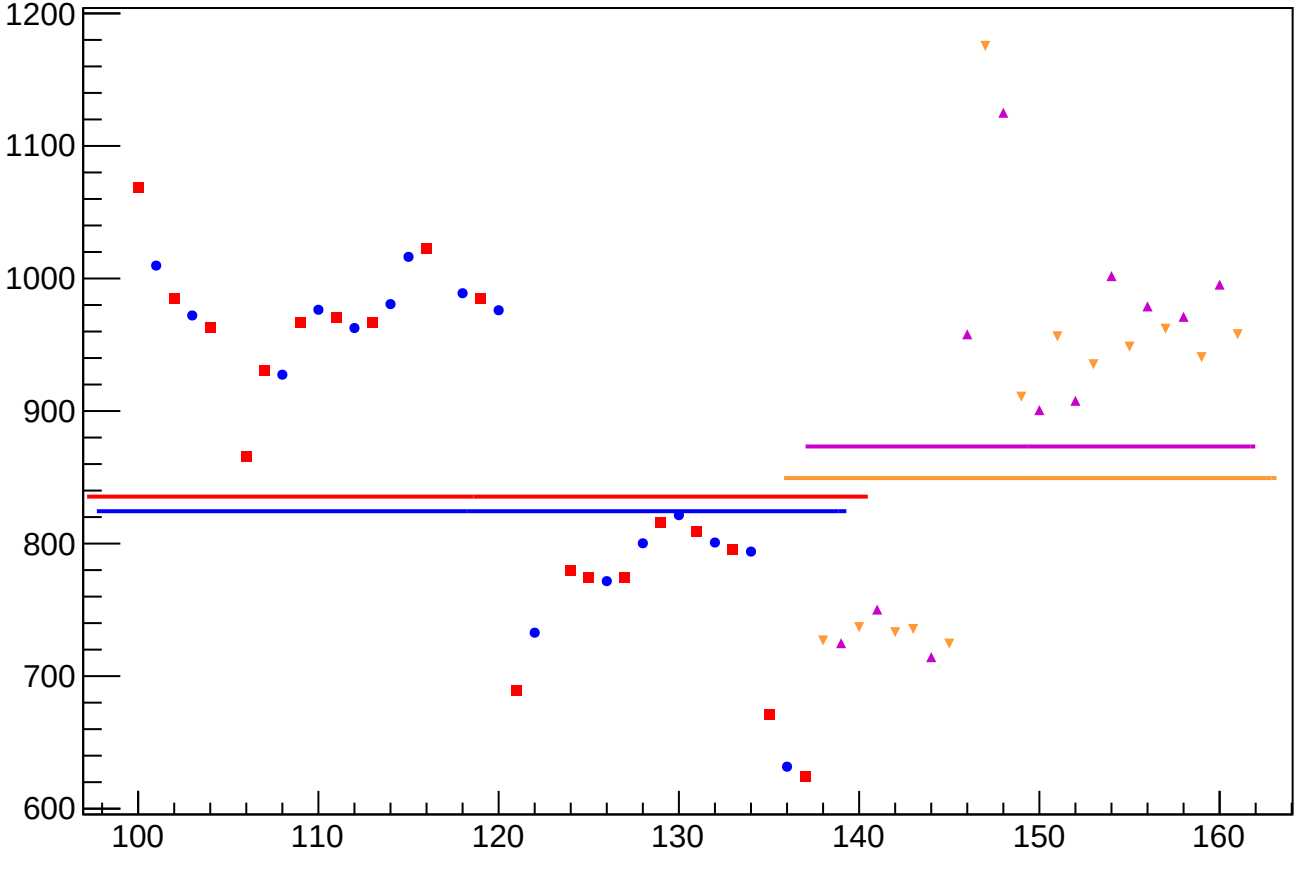
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.191+/-0.210 χ^2/NDF:22.2/26

Out: 0.093+/-0.202 χ^2/NDF:32.9/31

All: 0.140+/-0.146 χ^2/NDF: 55.2/58

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 849.428+/-0.189 χ^2/NDF:440712.4/12

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 873.270+/-0.202 χ^2/NDF:400764.4/10

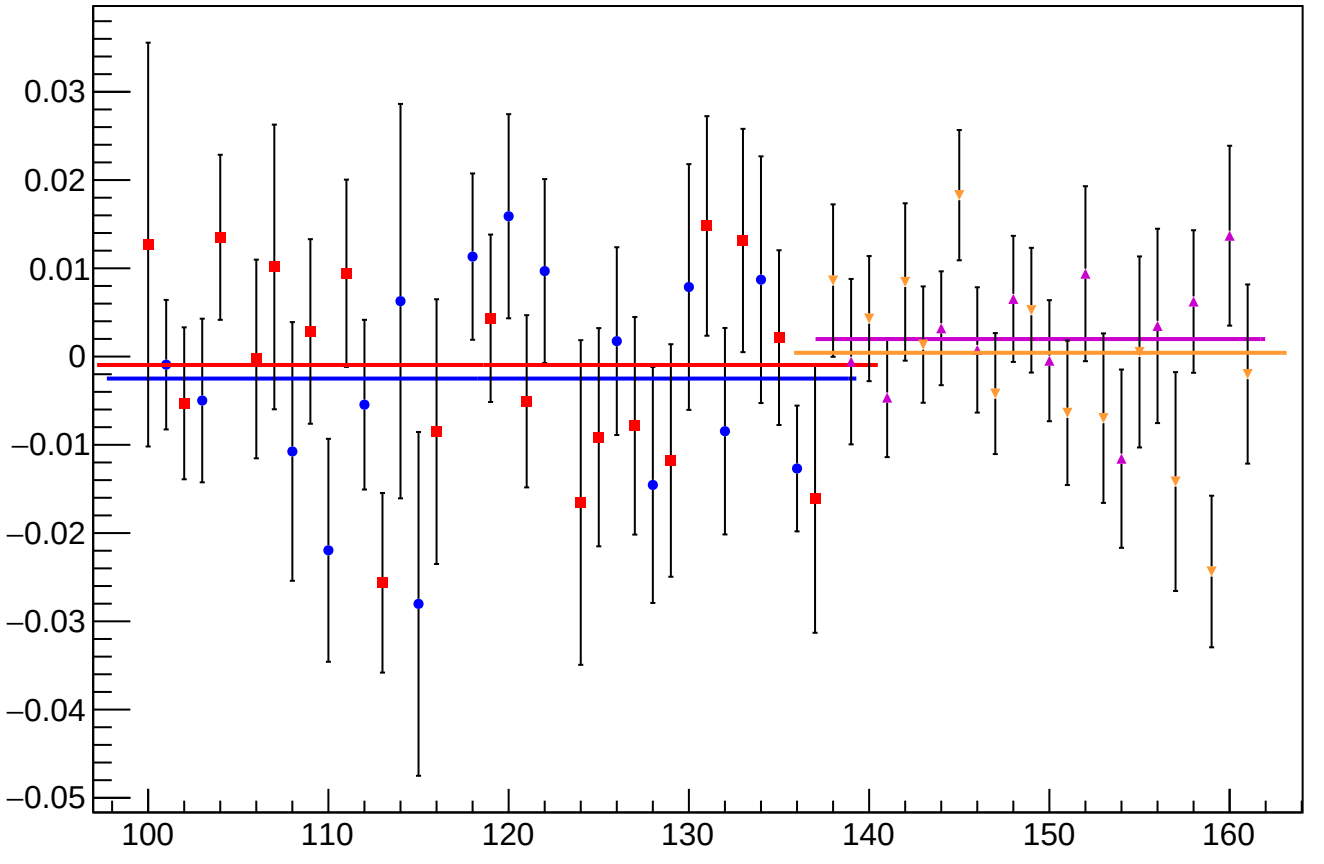
Left: 860.532+/-0.138 χ^2/NDF: 848913.7/23

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 850.894+/-0.149 χ^2/NDF:792986.8/26

Out: 843.442+/-0.143 χ^2/NDF:762367.5/31

All: 847.013+/-0.103 χ^2/NDF: 1556661.2/58



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:19.9/12

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:5.6/10

Left: 0.001+/-0.002 χ^2/NDF: 25.7/23

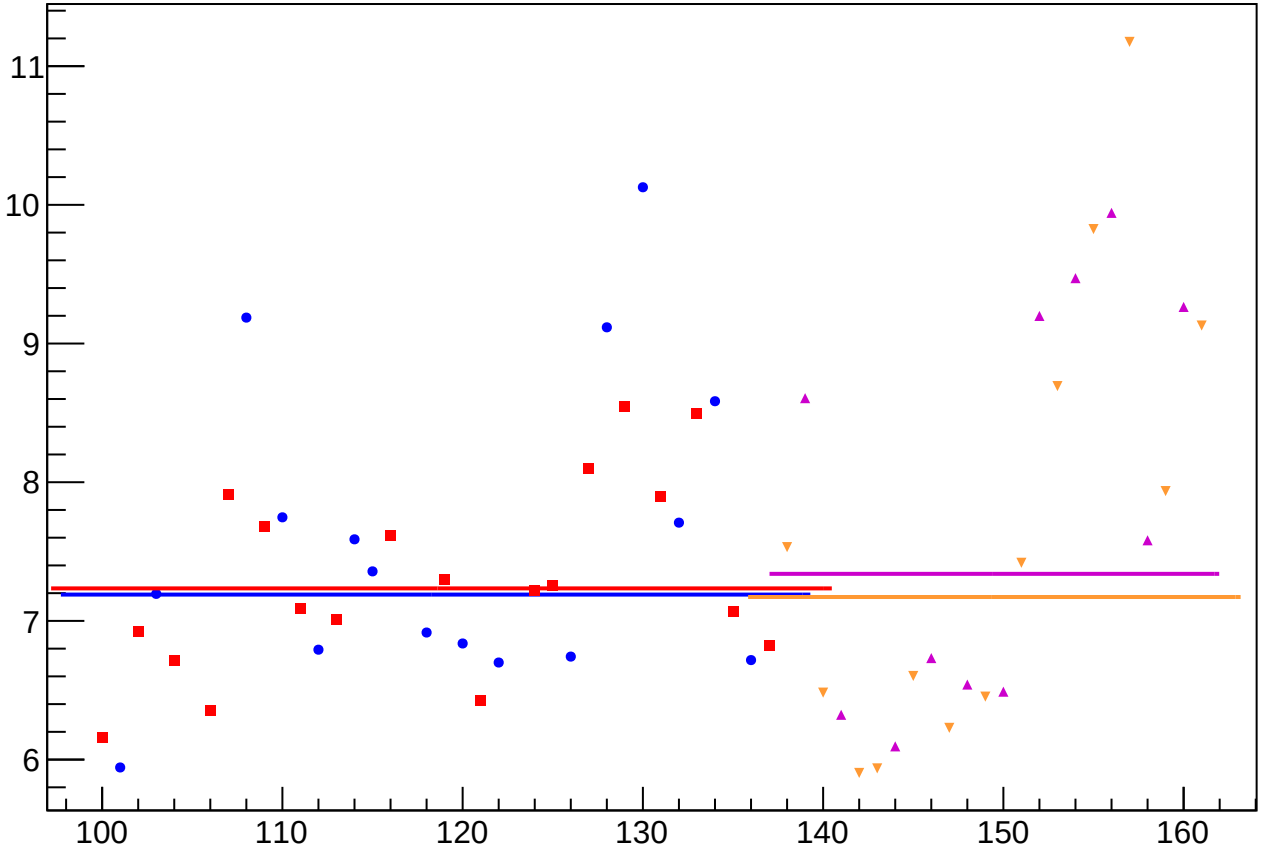
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:22.4/26

Out: -0.000+/-0.002 χ^2/NDF:37.3/31

All: -0.000+/-0.001 χ^2/NDF: 59.7/58

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.172+/-0.002 χ^2/NDF:674399.1/12

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.339+/-0.002 χ^2/NDF:570953.6/10

Left: 7.251+/-0.001 χ^2/NDF: 1250410.6/23

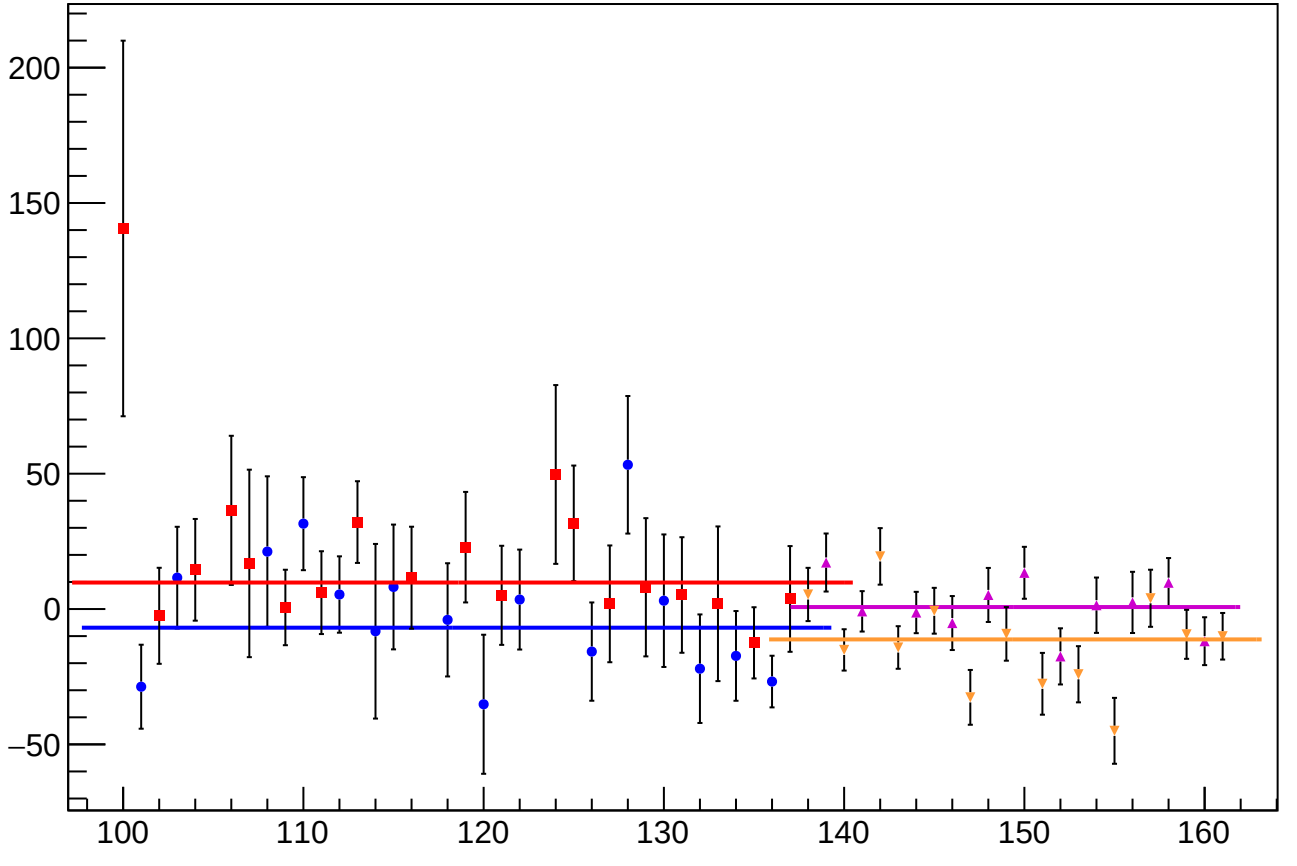
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.273+/-0.001 χ^2/NDF:851986.7/26

Out: 7.199+/-0.001 χ^2/NDF:781294.6/31

All: 7.234+/-0.001 χ^2/NDF: 1635056.8/58

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.221+/-2.625 χ^2/NDF:31.4/12

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 0.737+/-2.814 χ^2/NDF:10.9/10

Left: -5.658+/-1.920 χ^2/NDF: 51.9/23

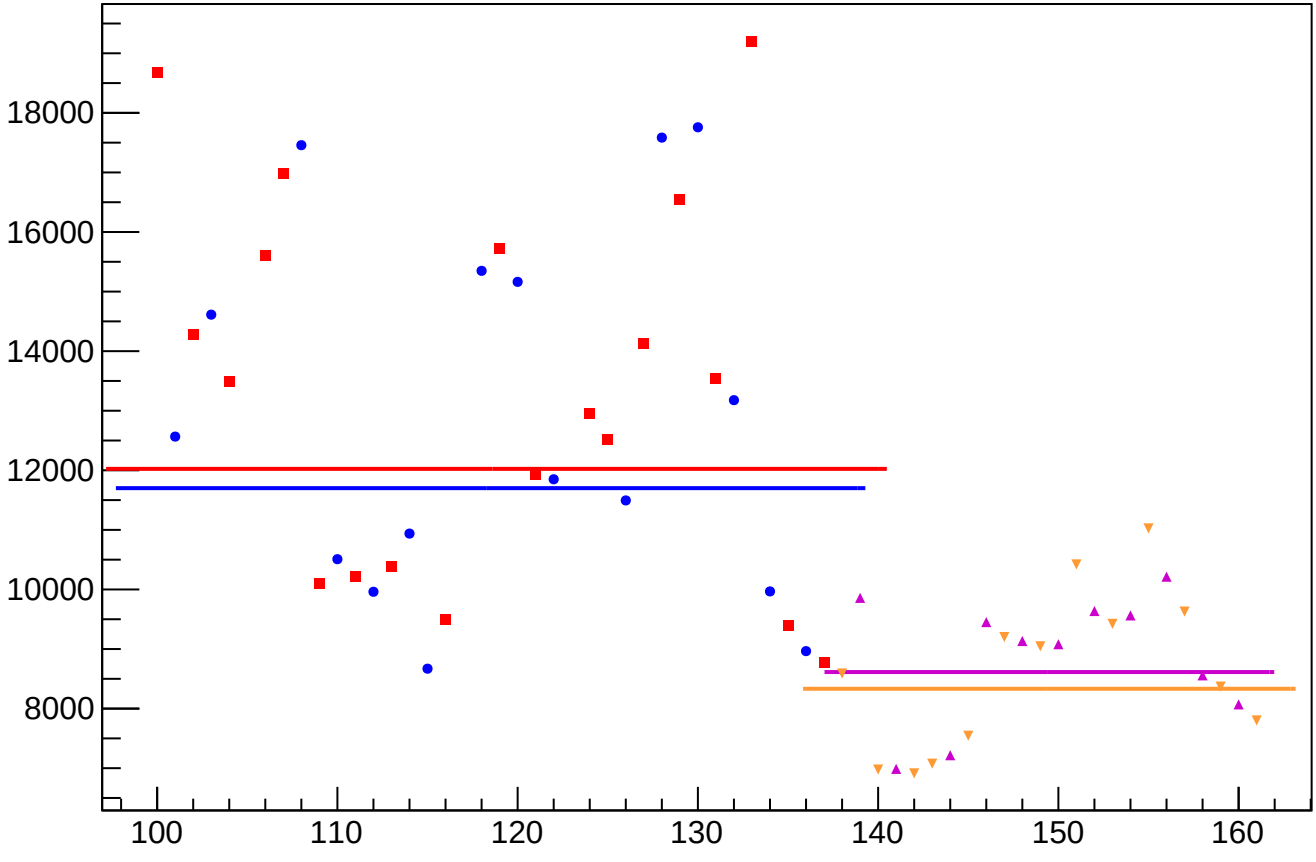
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.416+/-2.384 χ^2/NDF:36.0/26

Out: -5.917+/-2.270 χ^2/NDF:61.5/31

All: -3.777+/-1.644 χ^2/NDF: 99.4/58

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8333.031+/-1.856 χ^2/NDF:419429.3/12

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8613.575+/-1.990 χ^2/NDF:297518.5/10

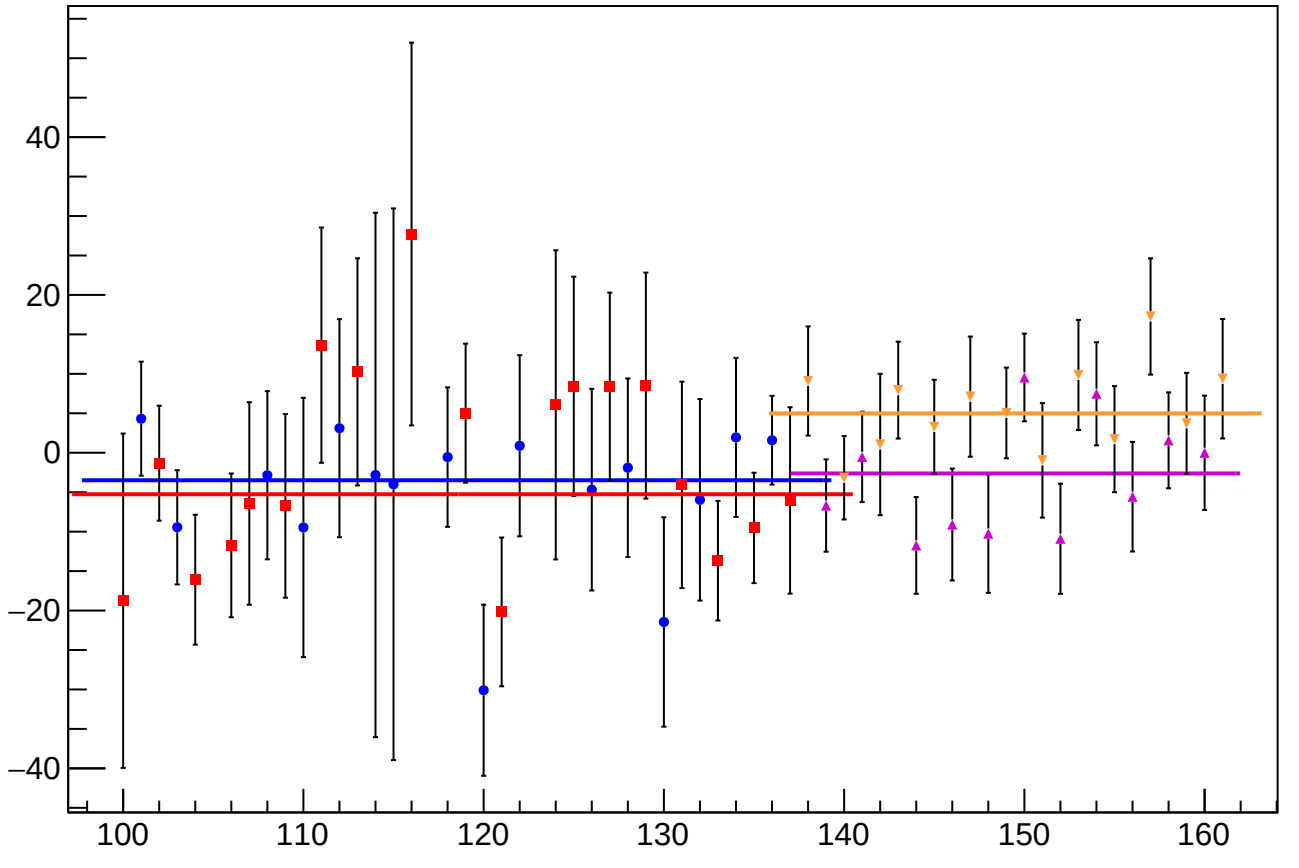
Left: 8463.549+/-1.357 χ^2/NDF: 727576.1/23

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9484.752+/-1.686 χ^2/NDF:1716822.1/26

Out: 9264.772+/-1.605 χ^2/NDF:2102516.1/31

All: 9369.341+/-1.162 χ^2/NDF: 3828269.7/58



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.990+/-1.847 χ^2/NDF:7.9/12

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.623+/-1.935 χ^2/NDF:14.1/10

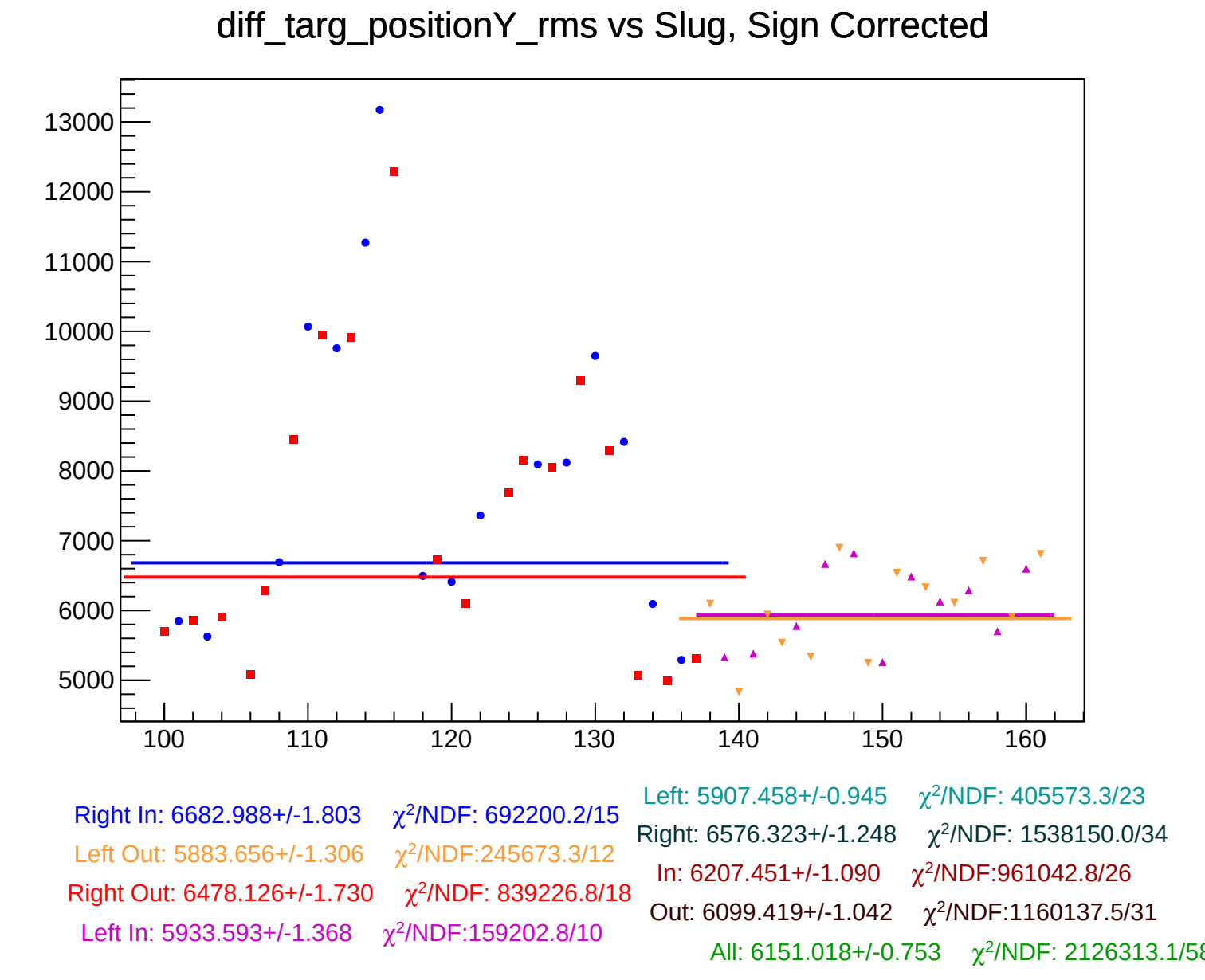
Left: 1.361+/-1.336 χ^2/NDF: 30.0/23

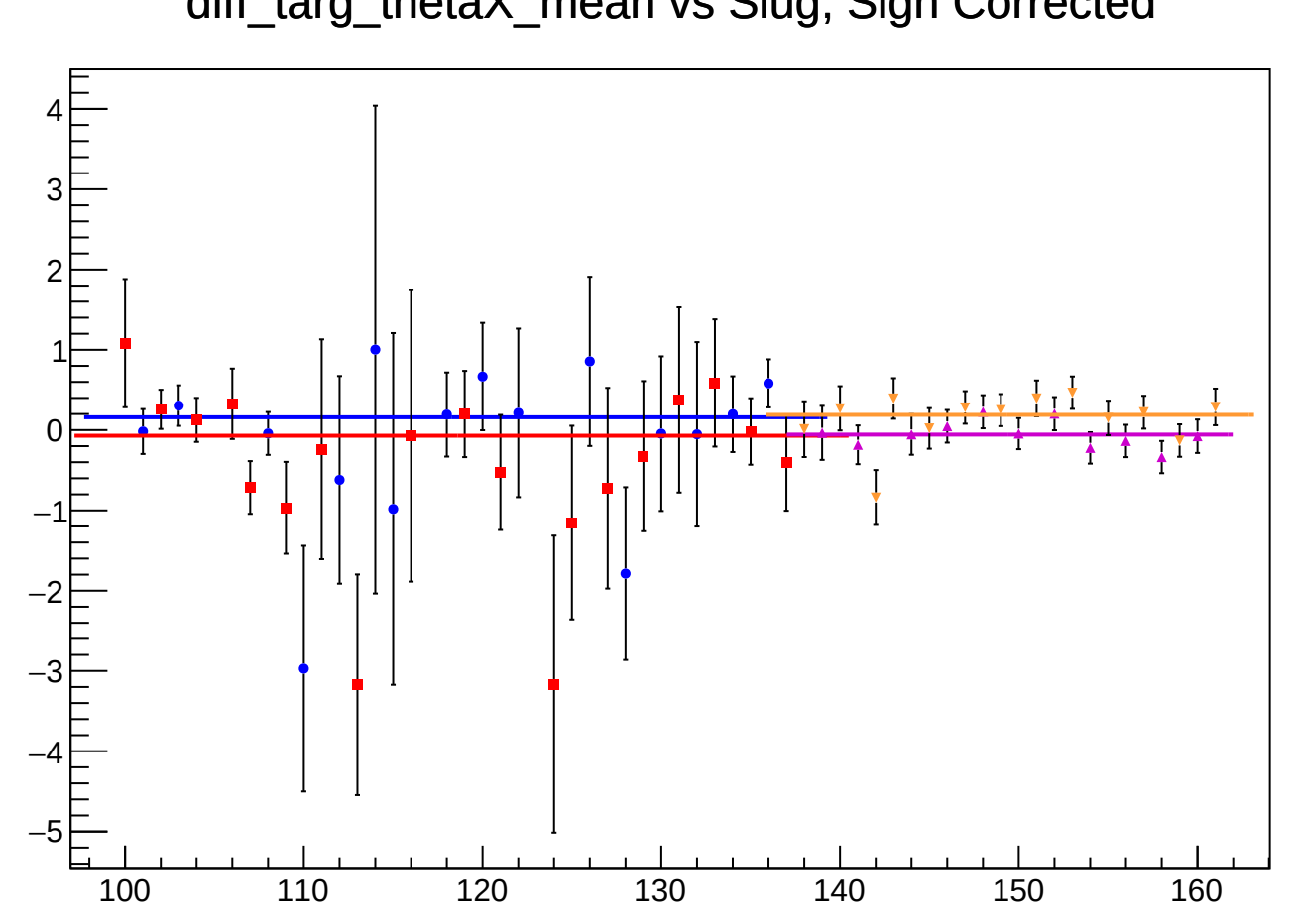
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.938+/-1.541 χ^2/NDF:25.6/26

Out: 1.270+/-1.474 χ^2/NDF:35.7/31

All: -0.740+/-1.065 χ^2/NDF: 65.2/58


diff_targ_positionY_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
Right In: 6682.988+/-1.803 χ²/NDF: 692200.2/15
Left Out: 5883.656+/-1.306 χ²/NDF:245673.3/12
Right Out: 6478.126+/-1.730 χ²/NDF: 839226.8/18
Left In: 5933.593+/-1.368 χ²/NDF:159202.8/10
Left: 5907.458+/-0.945 χ²/NDF: 405573.3/23
Right: 6576.323+/-1.248 χ²/NDF: 1538150.0/34
In: 6207.451+/-1.090 χ²/NDF:961042.8/26
Out: 6099.419+/-1.042 χ²/NDF:1160137.5/31
All: 6151.018+/-0.753 χ²/NDF: 2126313.1/58



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.190+/-0.064 χ^2/NDF:16.3/12

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.057+/-0.065 χ^2/NDF:6.9/10

Left: 0.068+/-0.046 χ^2/NDF: 30.5/23

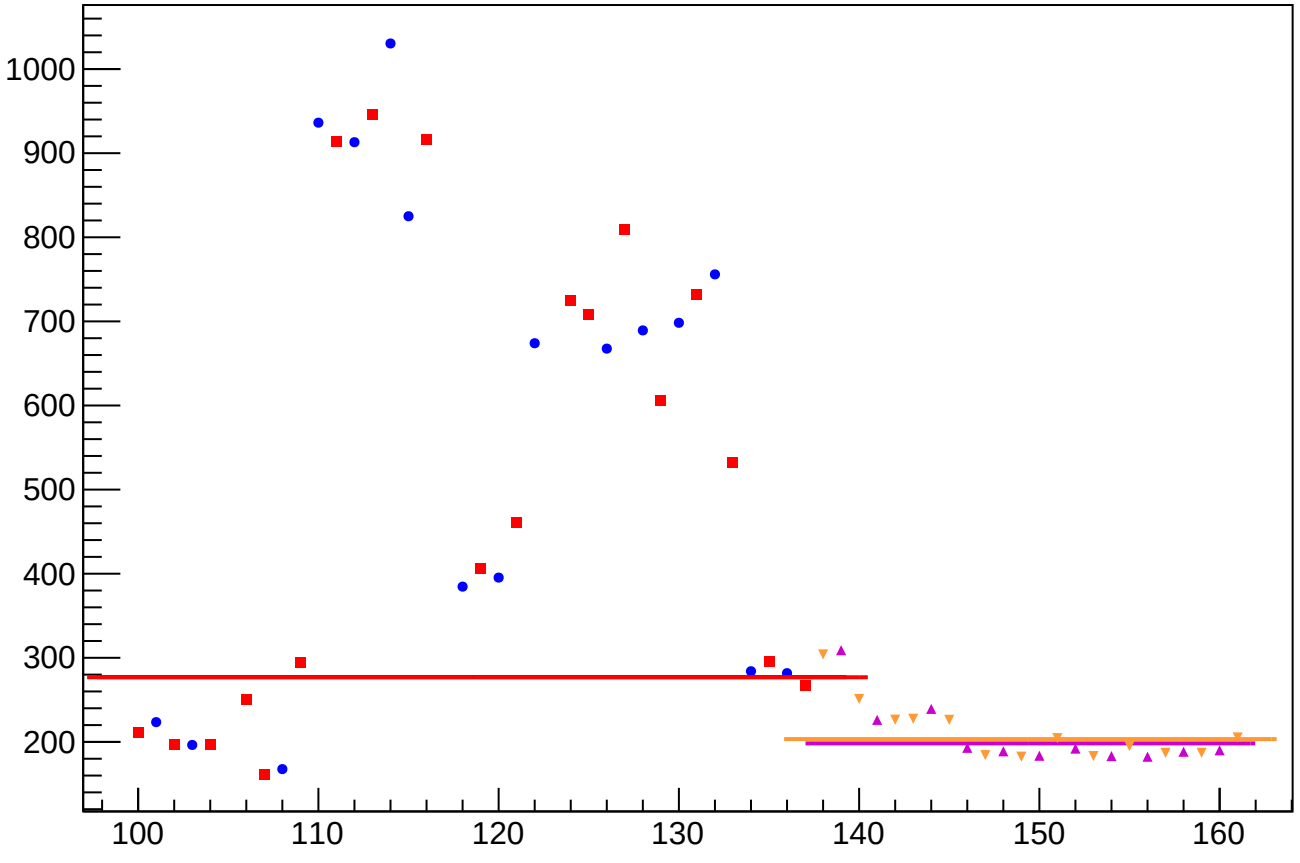
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.008+/-0.057 χ^2/NDF:22.0/26

Out: 0.132+/-0.056 χ^2/NDF:42.4/31

All: 0.063+/-0.040 χ^2/NDF: 67.4/58

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 203.373+/-0.045 χ^2/NDF:360943.7/12

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 198.243+/-0.046 χ^2/NDF:347542.1/10

Left: 200.843+/-0.032 χ^2/NDF: 714838.4/23

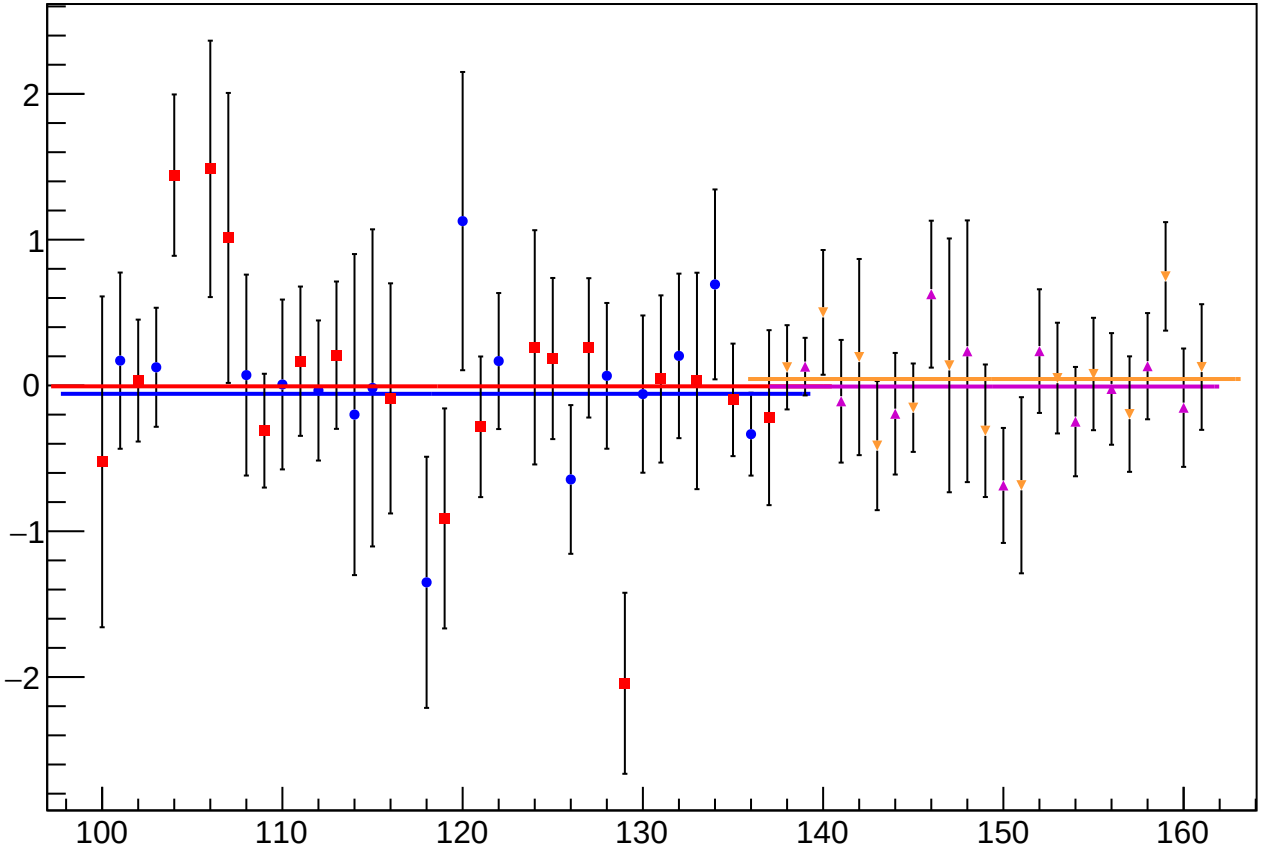
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 216.124+/-0.040 χ^2/NDF:4468972.5/26

Out: 219.683+/-0.040 χ^2/NDF:4519189.2/31

All: 217.922+/-0.028 χ^2/NDF: 8992103.7/58

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.044+/-0.114 χ^2/NDF:8.8/12

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.007+/-0.111 χ^2/NDF:6.4/10

Left: 0.018+/-0.079 χ^2/NDF: 15.3/23

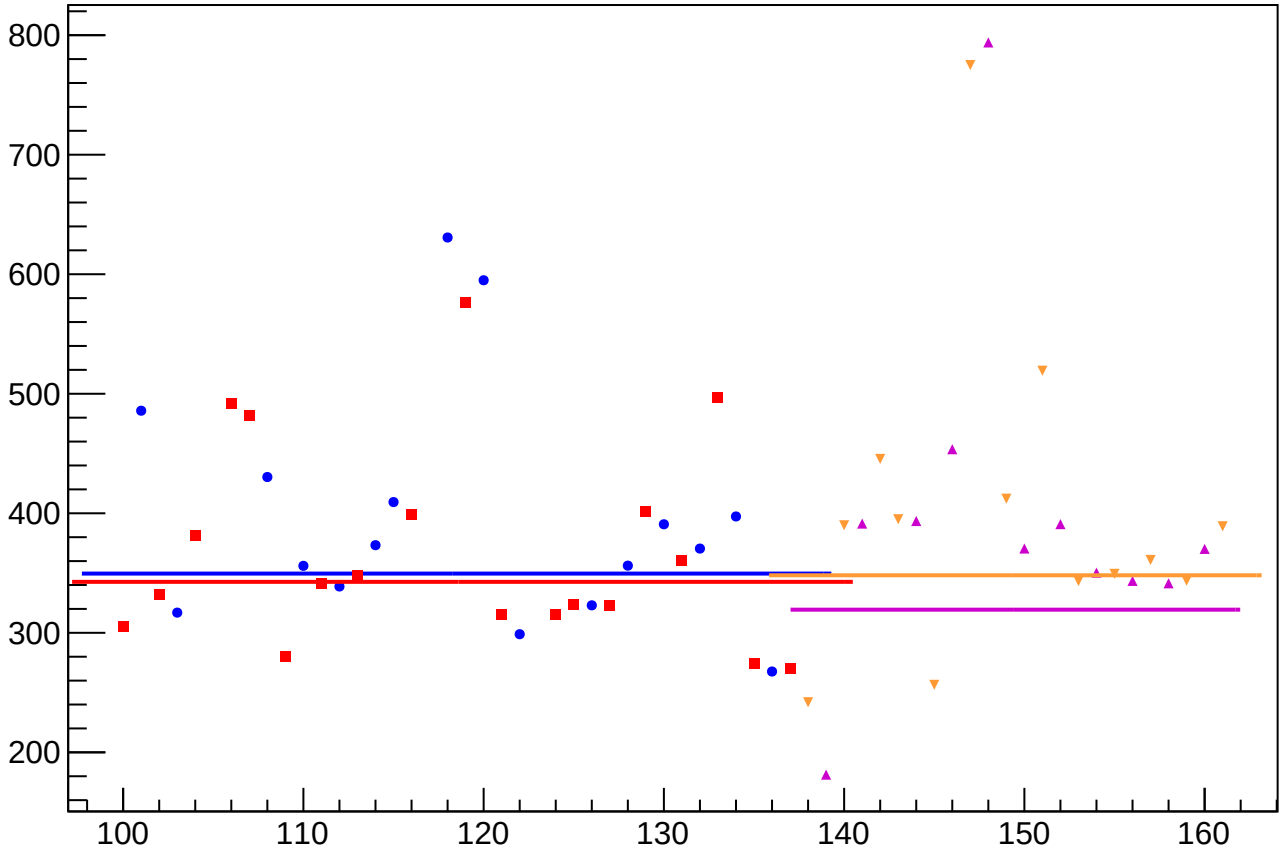
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.028+/-0.085 χ^2/NDF:14.6/26

Out: 0.022+/-0.085 χ^2/NDF:34.1/31

All: -0.003+/-0.060 χ^2/NDF: 48.8/58

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 348.133+/-0.080 χ^2/NDF:1238558.9/12

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 319.368+/-0.078 χ^2/NDF:1950114.5/10

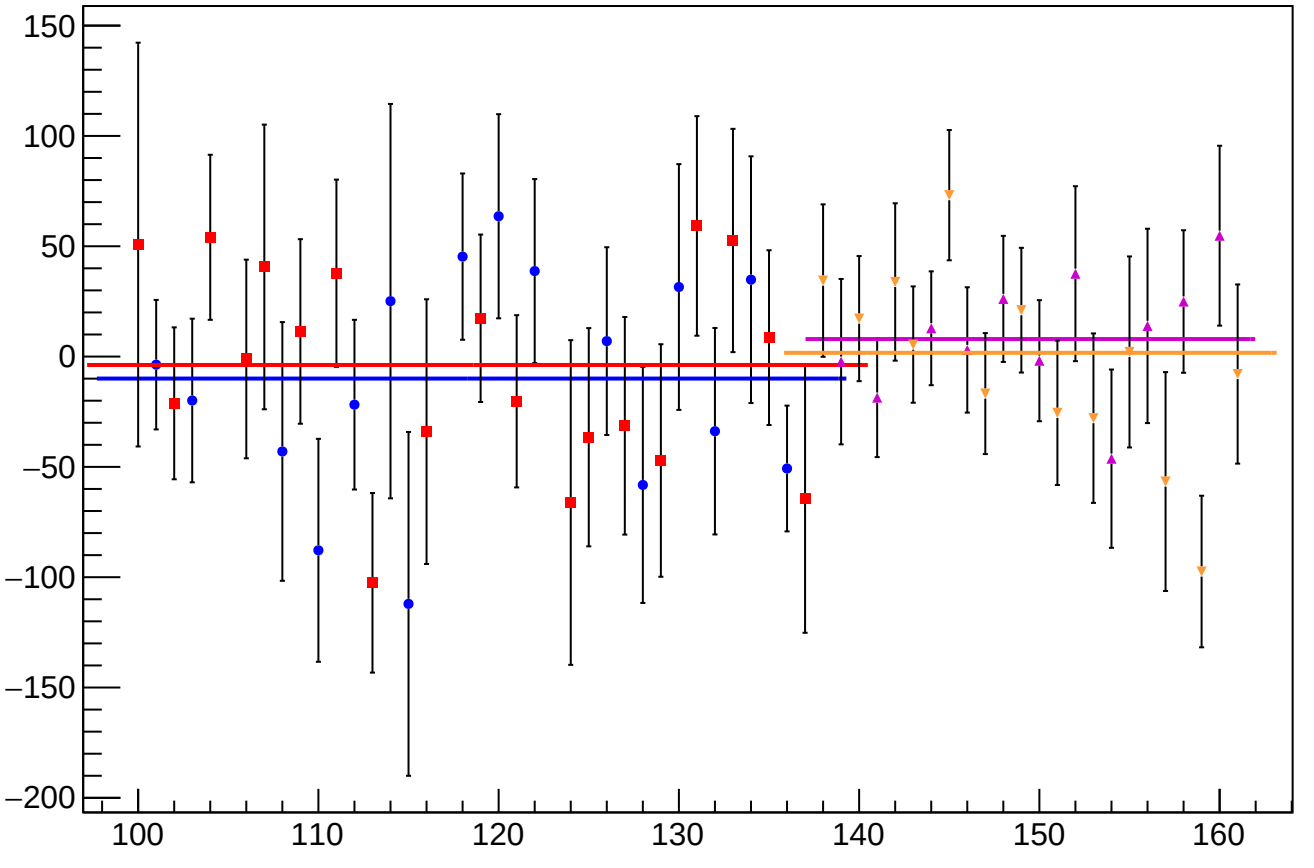
Left: 333.337+/-0.056 χ^2/NDF: 3254354.0/23

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 331.625+/-0.060 χ^2/NDF:2709908.6/26

Out: 345.727+/-0.060 χ^2/NDF:1816357.5/31

All: 338.670+/-0.043 χ^2/NDF: 4553600.6/58



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.936+/-9.666 χ^2/NDF:5.6/10

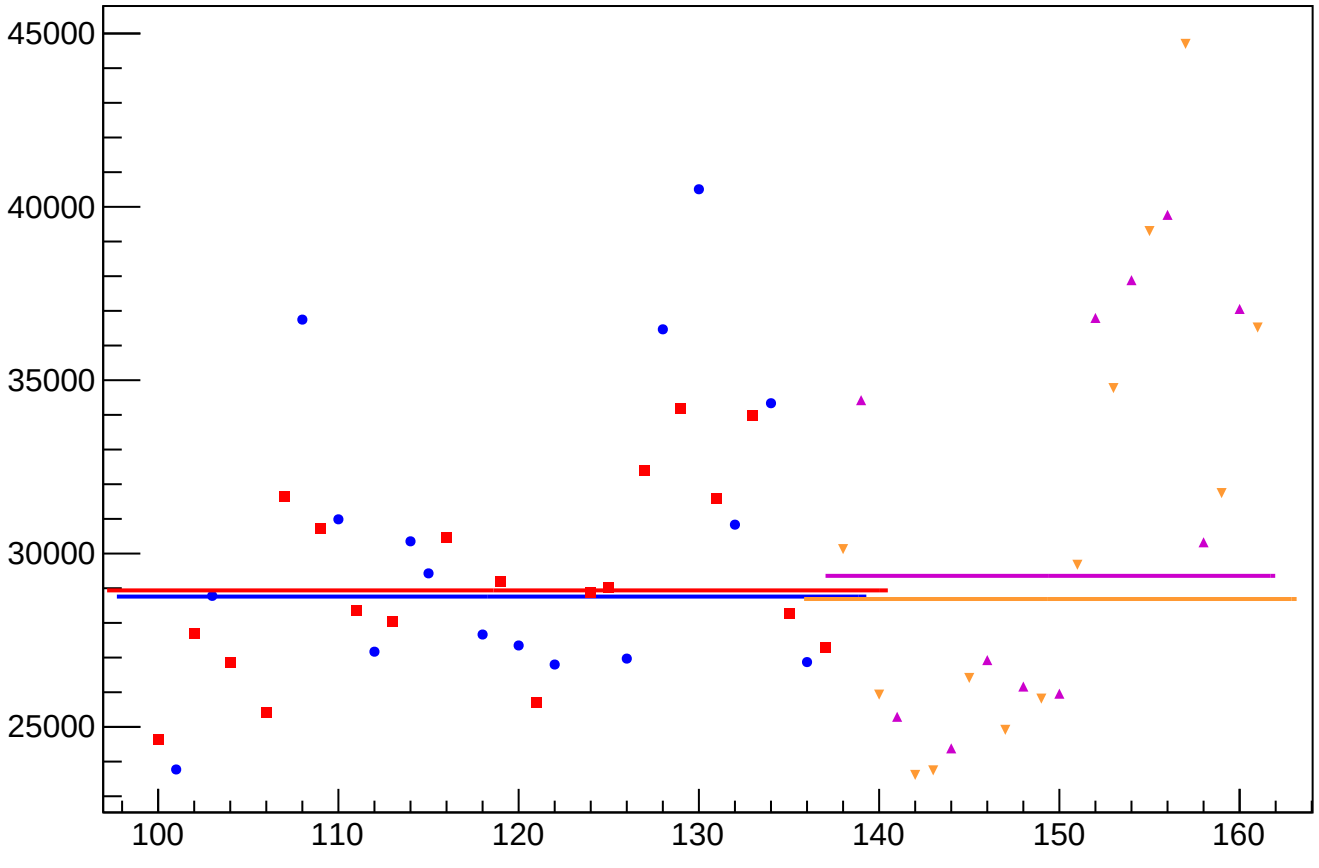
Left: 4.640+/-6.631 χ^2/NDF: 25.7/23

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.002+/-7.213 χ^2/NDF:22.4/26

Out: -0.629+/-6.920 χ^2/NDF:37.3/31

All: -0.326+/-4.994 χ^2/NDF: 59.7/58



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28689.135+/-6.444 χ^2/NDF:674399.1/12

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

Left: 29003.523+/-4.689 χ^2/NDF: 1250410.6/23

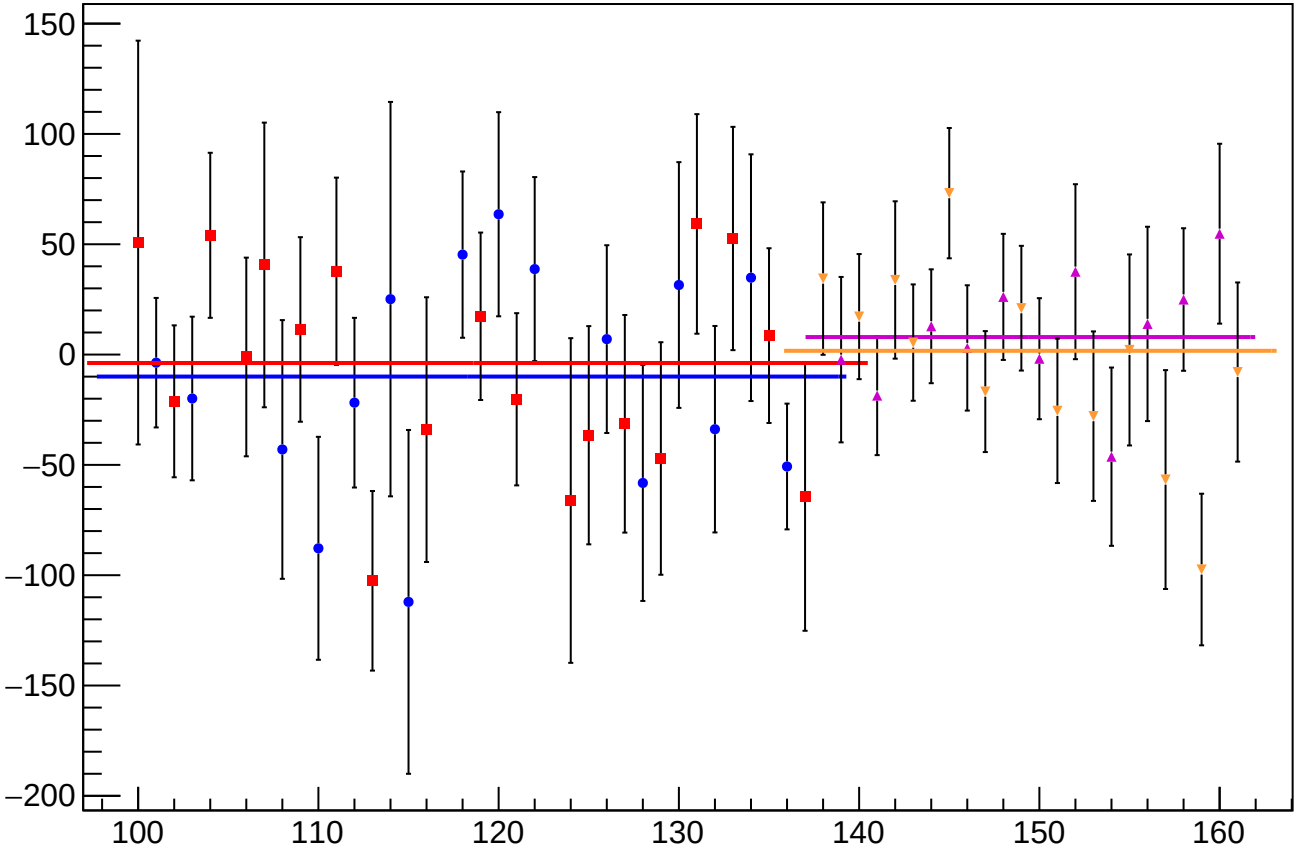
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29092.176+/-5.101 χ^2/NDF:851986.7/26

Out: 28794.335+/-4.893 χ^2/NDF:781294.6/31

All: 28937.087+/-3.531 χ^2/NDF: 1635056.8/5

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.936+/-9.666 χ^2/NDF:5.6/10

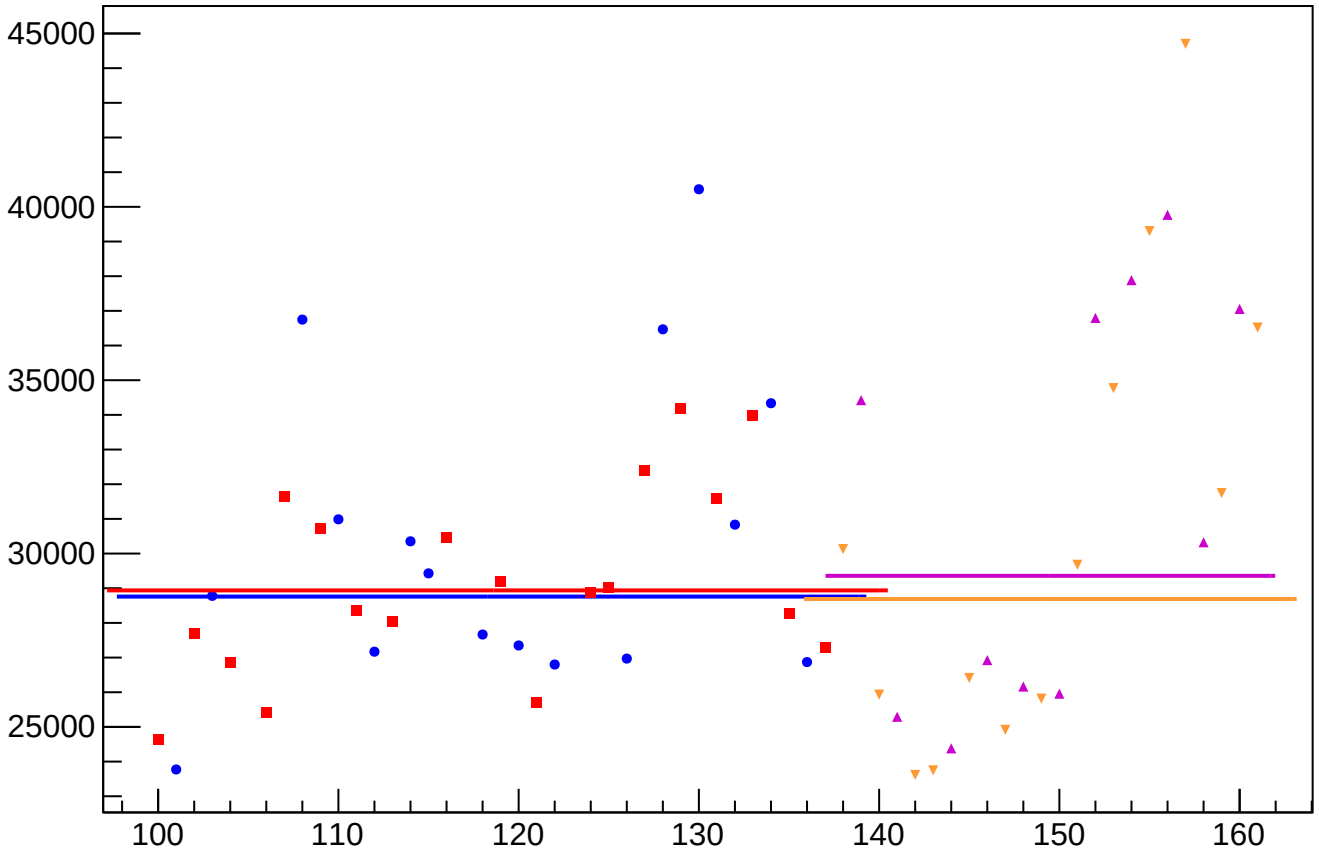
Left: 4.640+/-6.631 χ^2/NDF: 25.7/23

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.002+/-7.213 χ^2/NDF:22.4/26

Out: -0.629+/-6.920 χ^2/NDF:37.3/31

All: -0.326+/-4.994 χ^2/NDF: 59.7/58



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28689.135+/-6.444 χ^2/NDF:674399.1/12

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

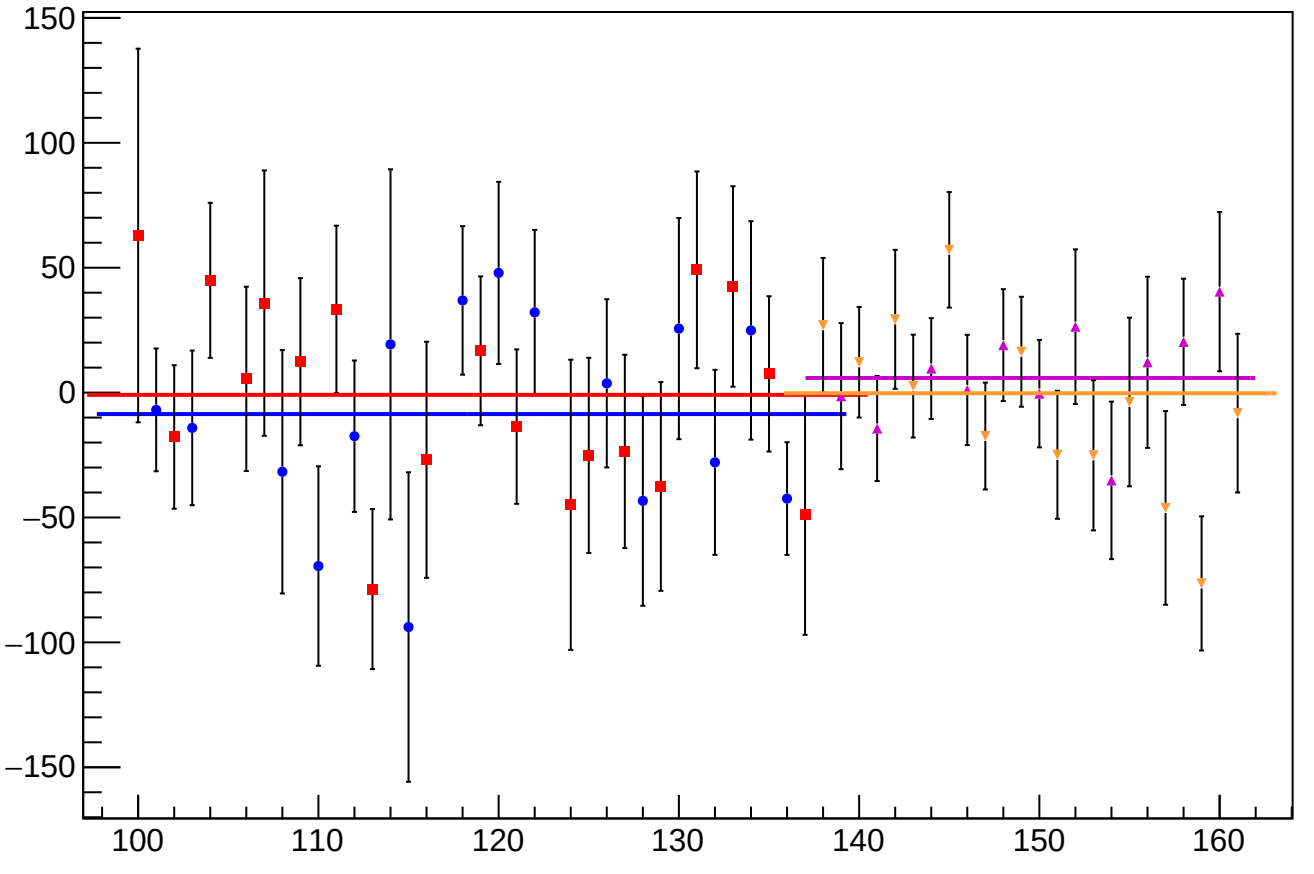
Left: 29003.523+/-4.689 χ^2/NDF: 1250410.6/23

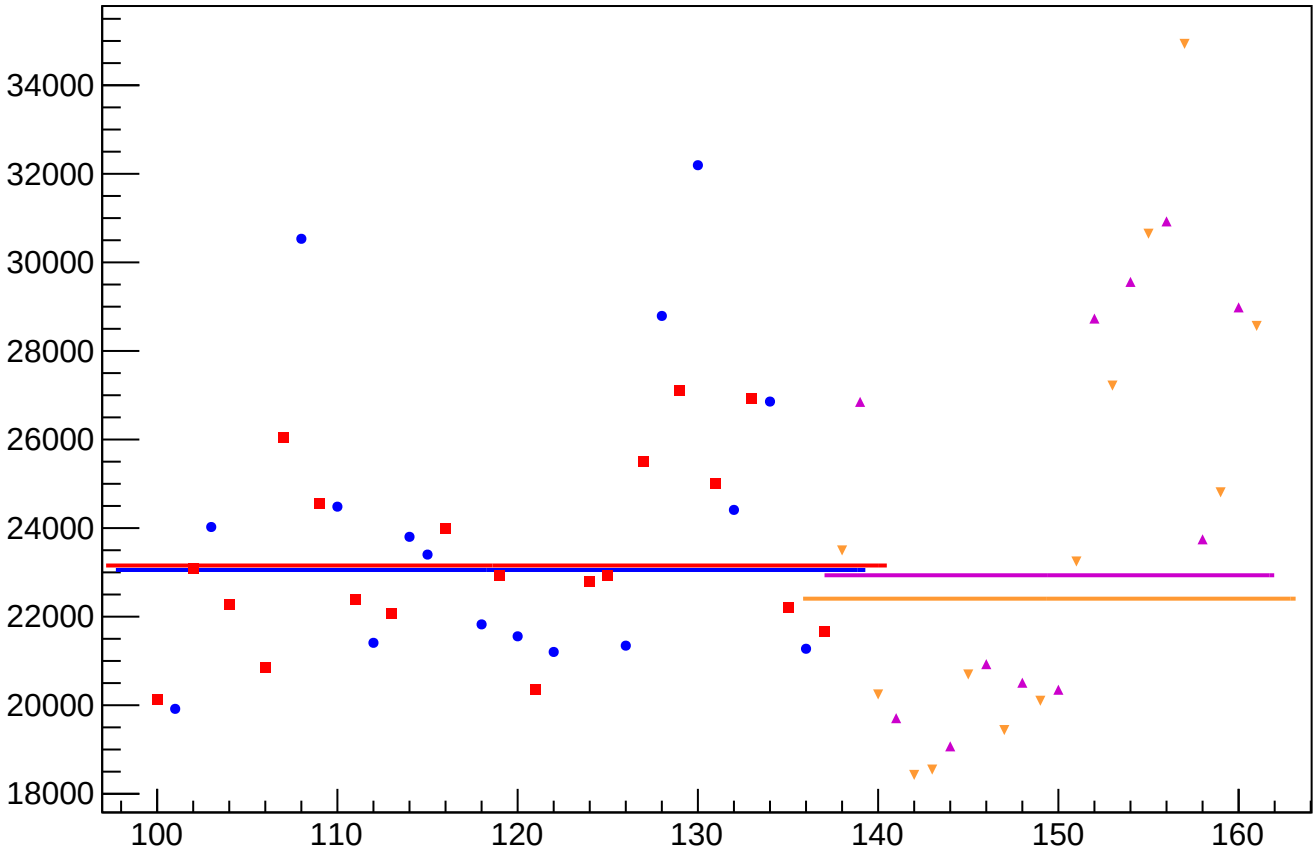
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

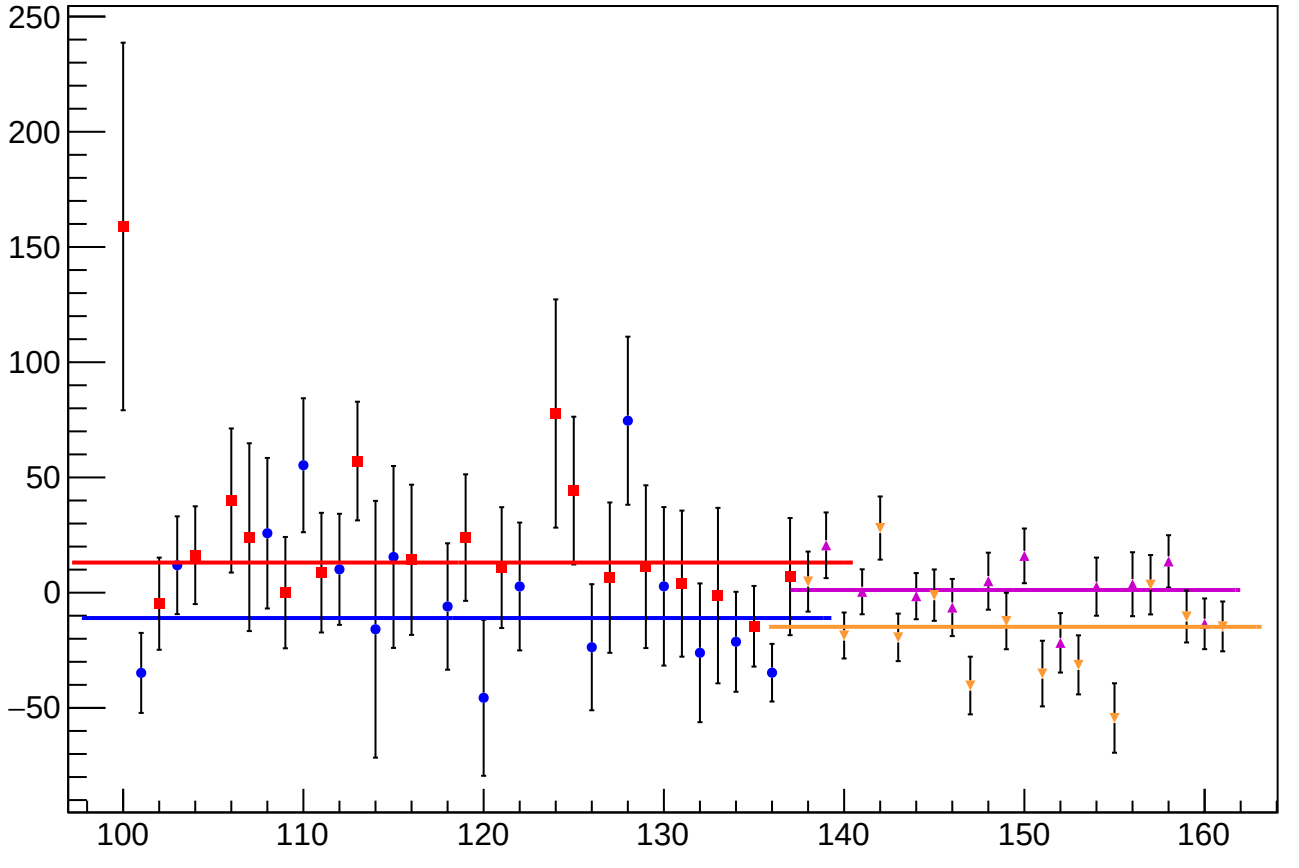
In: 29092.176+/-5.101 χ^2/NDF:851986.7/26

Out: 28794.335+/-4.893 χ^2/NDF:781294.6/31

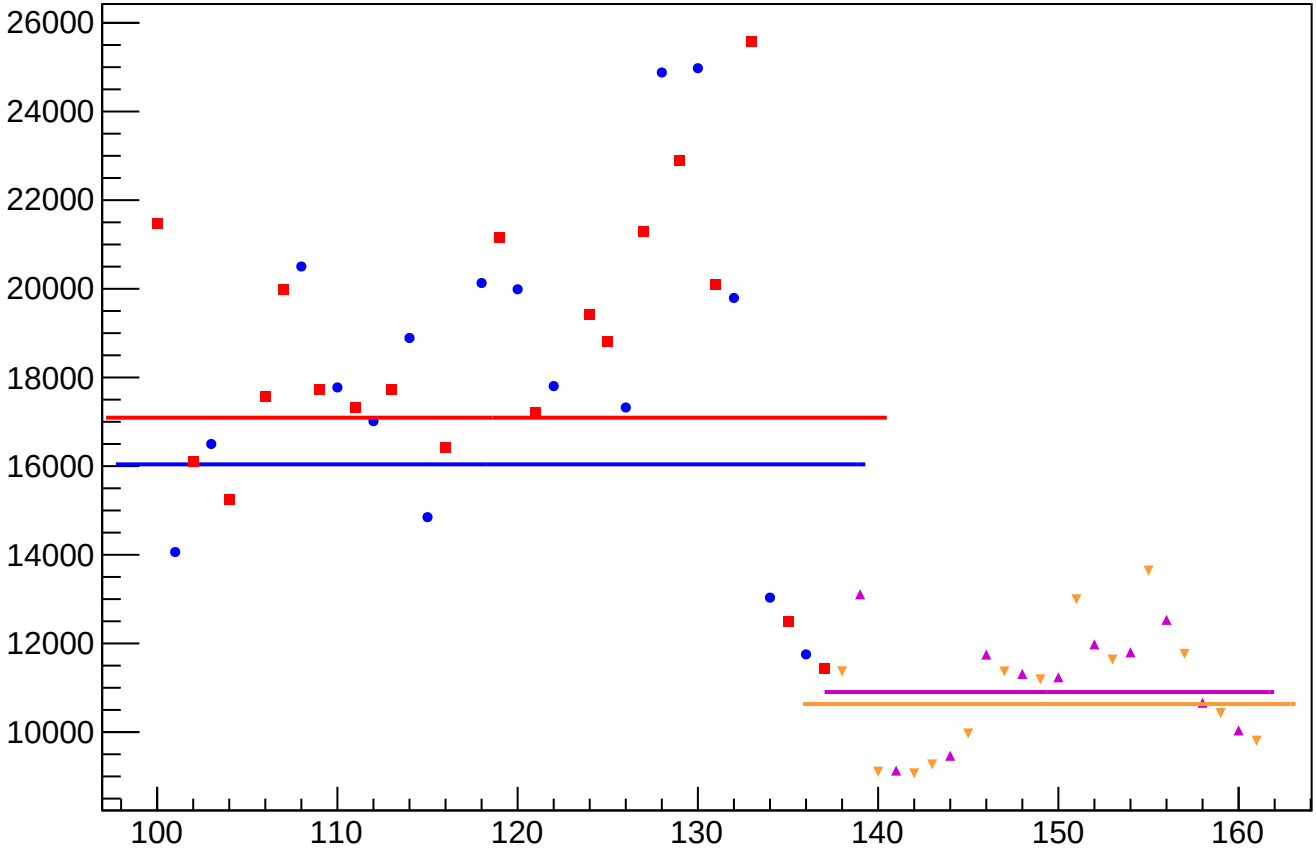
All: 28937.087+/-3.531 χ^2/NDF: 1635056.8/5


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: -0.265+/-7.118 χ²/NDF:21.0/12
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 5.847+/-7.551 χ²/NDF:5.2/10
Left: 2.611+/-5.179 χ²/NDF: 26.5/23
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.377+/-5.696 χ²/NDF:22.3/26
Out: -0.528+/-5.459 χ²/NDF:38.6/31
All: -0.456+/-3.941 χ²/NDF: 60.8/58


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
34000
32000
30000
28000
26000
24000
22000
20000
18000
100
110
120
130
140
150
160
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 22406.268+/-5.033 χ²/NDF:677513.5/12
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 22934.753+/-5.339 χ²/NDF:566401.4/10
Left: 22654.923+/-3.662 χ²/NDF: 1249102.9/23
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 22986.090+/-4.028 χ²/NDF:828060.8/26
Out: 22714.724+/-3.860 χ²/NDF:780528.4/31
All: 22844.625+/-2.787 χ²/NDF: 1610955.4/5


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -14.823+/-3.340 χ²/NDF:30.9/12
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.167+/-3.557 χ²/NDF:10.1/10
Left: -7.331+/-2.435 χ²/NDF: 51.7/23
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -1.879+/-3.080 χ²/NDF:35.1/26
Out: -8.826+/-2.959 χ²/NDF:59.7/31
All: -5.491+/-2.134 χ²/NDF: 97.5/58

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10633.537+/-2.362 χ^2/NDF:307339.6/12

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10903.931+/-2.515 χ^2/NDF:233013.8/10

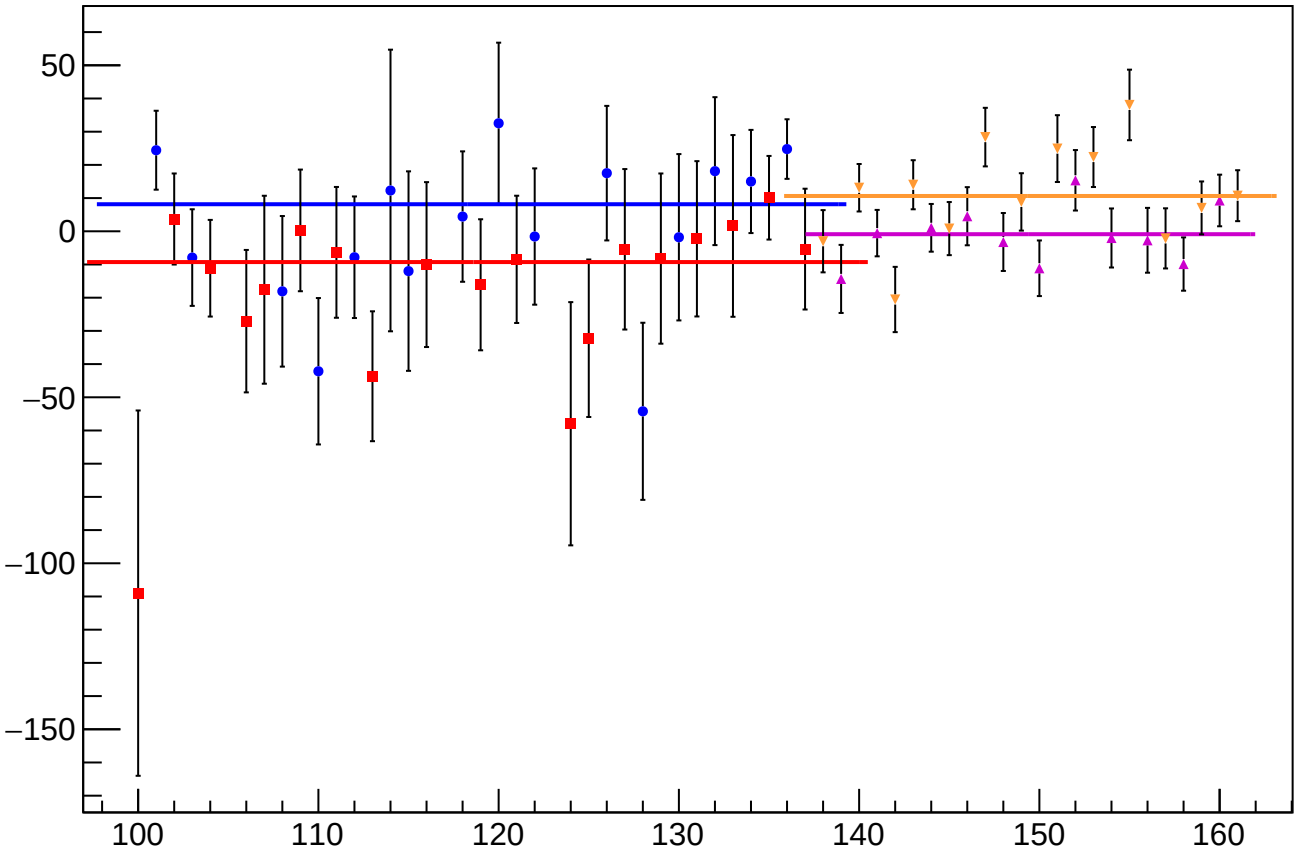
Left: 10760.232+/-1.722 χ^2/NDF: 546495.9/23

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12189.761+/-2.178 χ^2/NDF:1999733.1/26

Out: 12022.163+/-2.092 χ^2/NDF:2451053.3/31

All: 12102.618+/-1.509 χ^2/NDF: 4453866.3/5



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.634+/-2.375 χ^2/NDF:30.6/12

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.876+/-2.524 χ^2/NDF:9.9/10

Left: 5.229+/-1.729 χ^2/NDF: 51.6/23

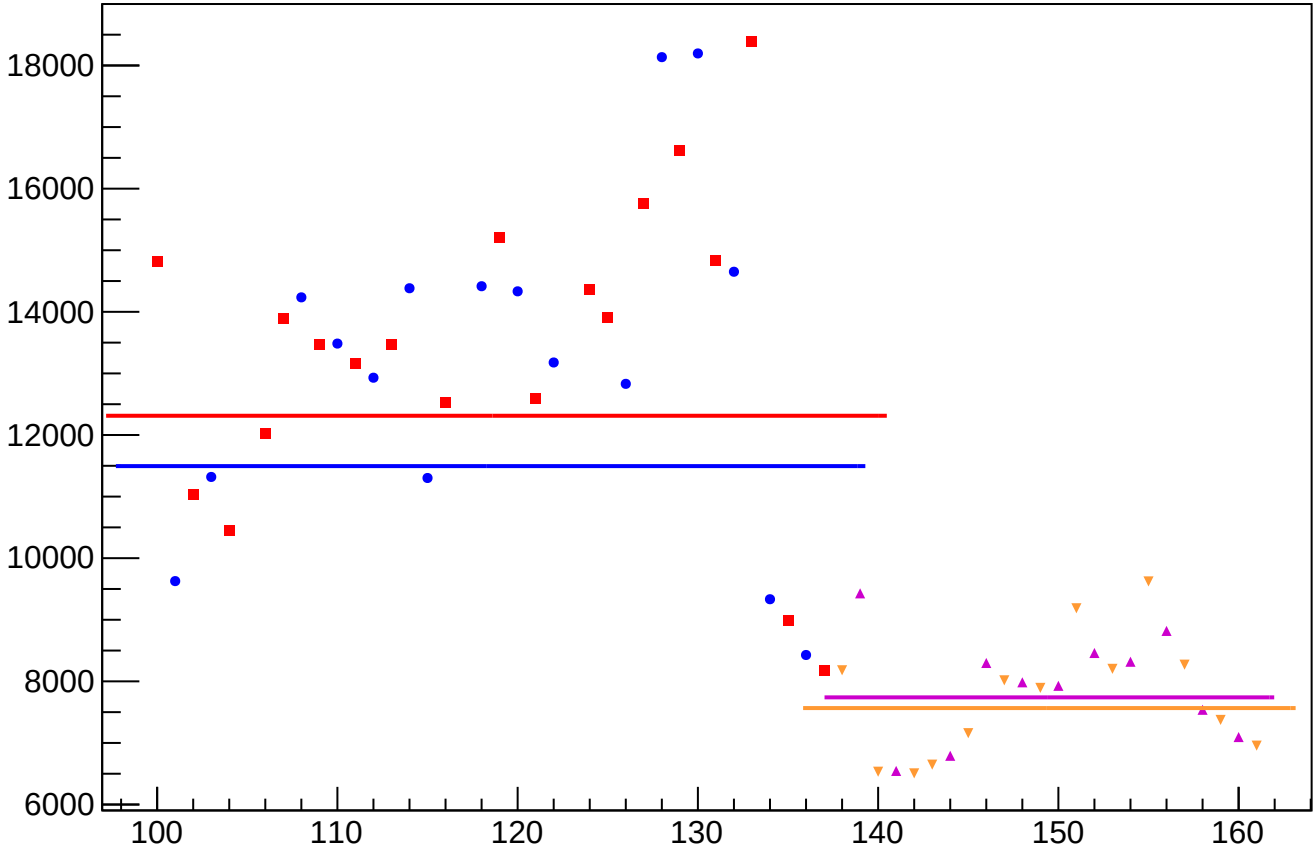
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.341+/-2.192 χ^2/NDF:34.9/26

Out: 6.456+/-2.111 χ^2/NDF:59.3/31

All: 3.995+/-1.520 χ^2/NDF: 97.0/58

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7566.156+/-1.679 χ^2/NDF:280361.0/12

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7739.931+/-1.785 χ^2/NDF:218610.2/10

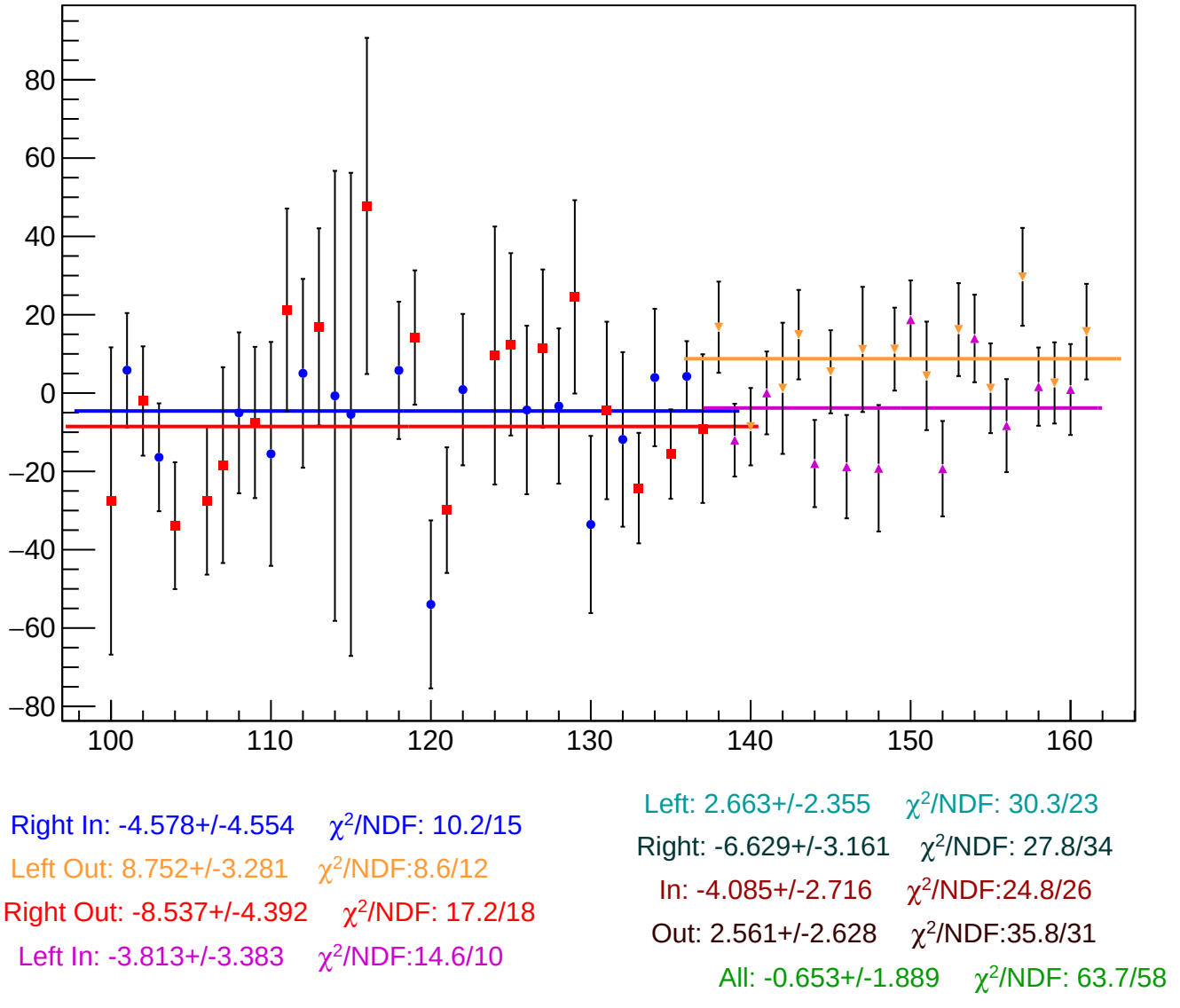
Left: 7647.756+/-1.223 χ^2/NDF: 504000.5/23

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

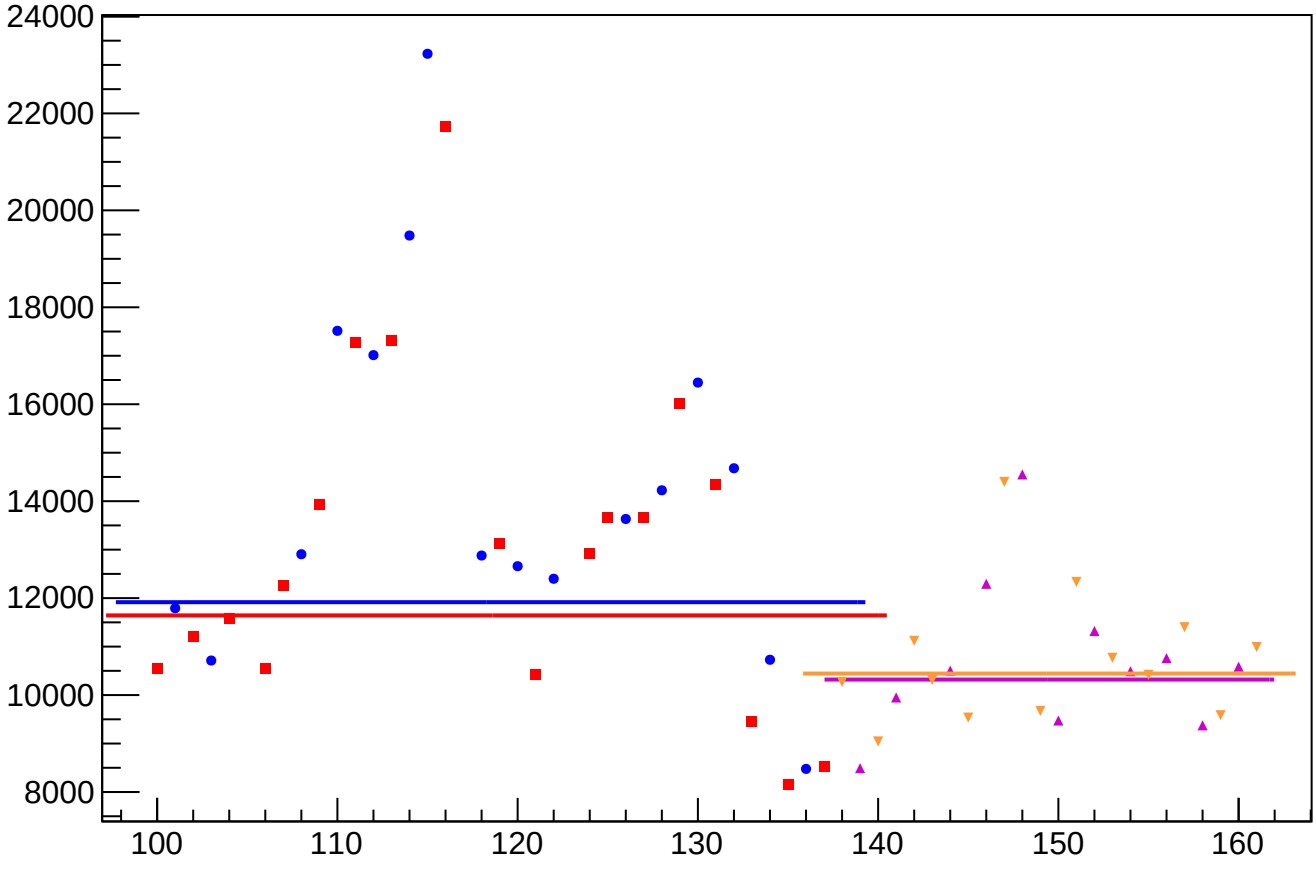
In: 8662.325+/-1.550 χ^2/NDF:2096117.4/26

Out: 8562.423+/-1.493 χ^2/NDF:2556254.1/31

All: 8610.487+/-1.075 χ^2/NDF: 4654526.9/58


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 8.752+/-3.281 χ²/NDF:8.6/12
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -3.813+/-3.383 χ²/NDF:14.6/10
Left: 2.663+/-2.355 χ²/NDF: 30.3/23
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -4.085+/-2.716 χ²/NDF:24.8/26
Out: 2.561+/-2.628 χ²/NDF:35.8/31
All: -0.653+/-1.889 χ²/NDF: 63.7/58

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10443.888+/-2.320 χ^2/NDF:260101.1/12

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10320.111+/-2.392 χ^2/NDF:312318.5/10

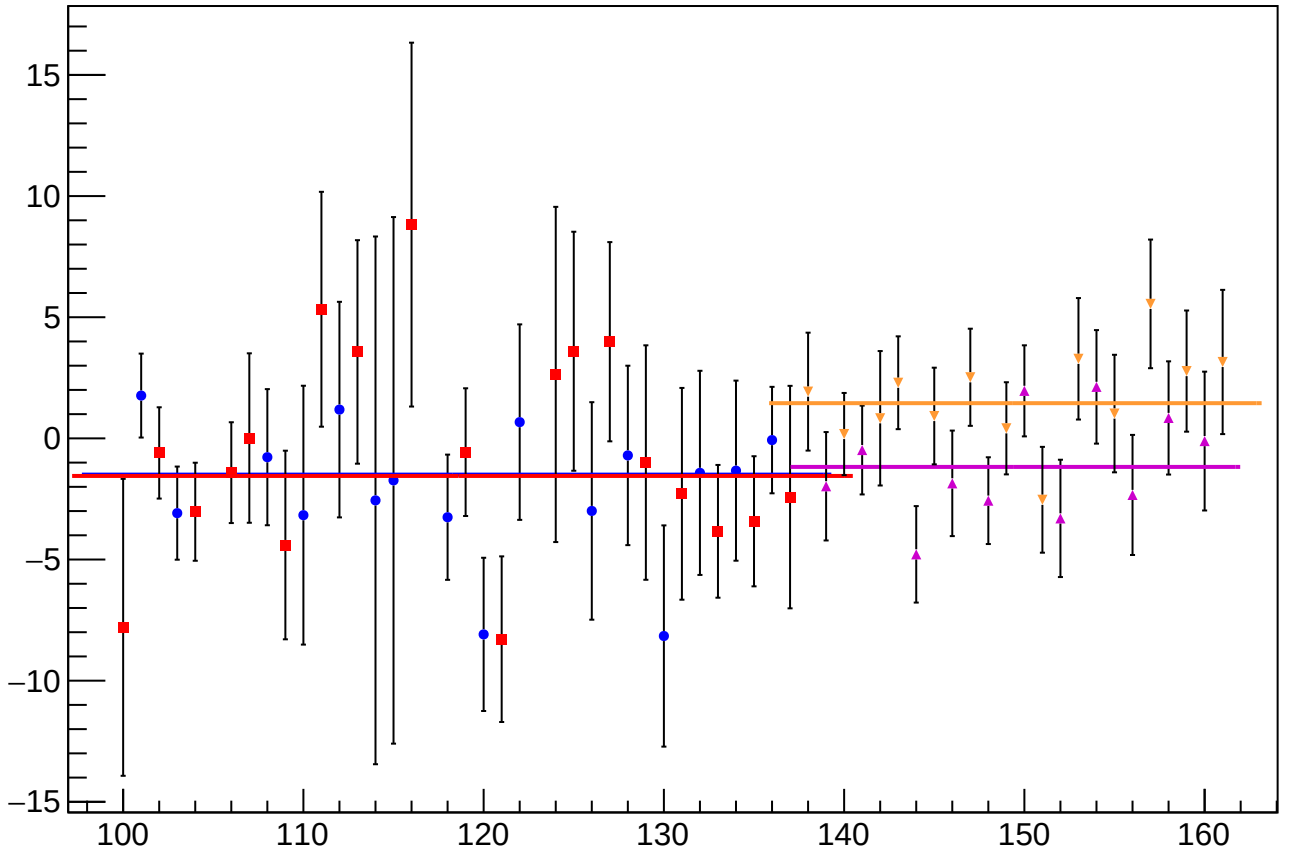
Left: 10383.906+/-1.665 χ^2/NDF: 573799.4/23

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10887.773+/-1.920 χ^2/NDF:1220426.8/26

Out: 10873.493+/-1.859 χ^2/NDF:1146245.4/31

All: 10880.399+/-1.335 χ^2/NDF: 2366700.8/5



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.453+/-0.614 χ^2/NDF:8.4/12

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.178+/-0.649 χ^2/NDF:10.9/10

Left: 0.209+/-0.446 χ^2/NDF: 28.0/23

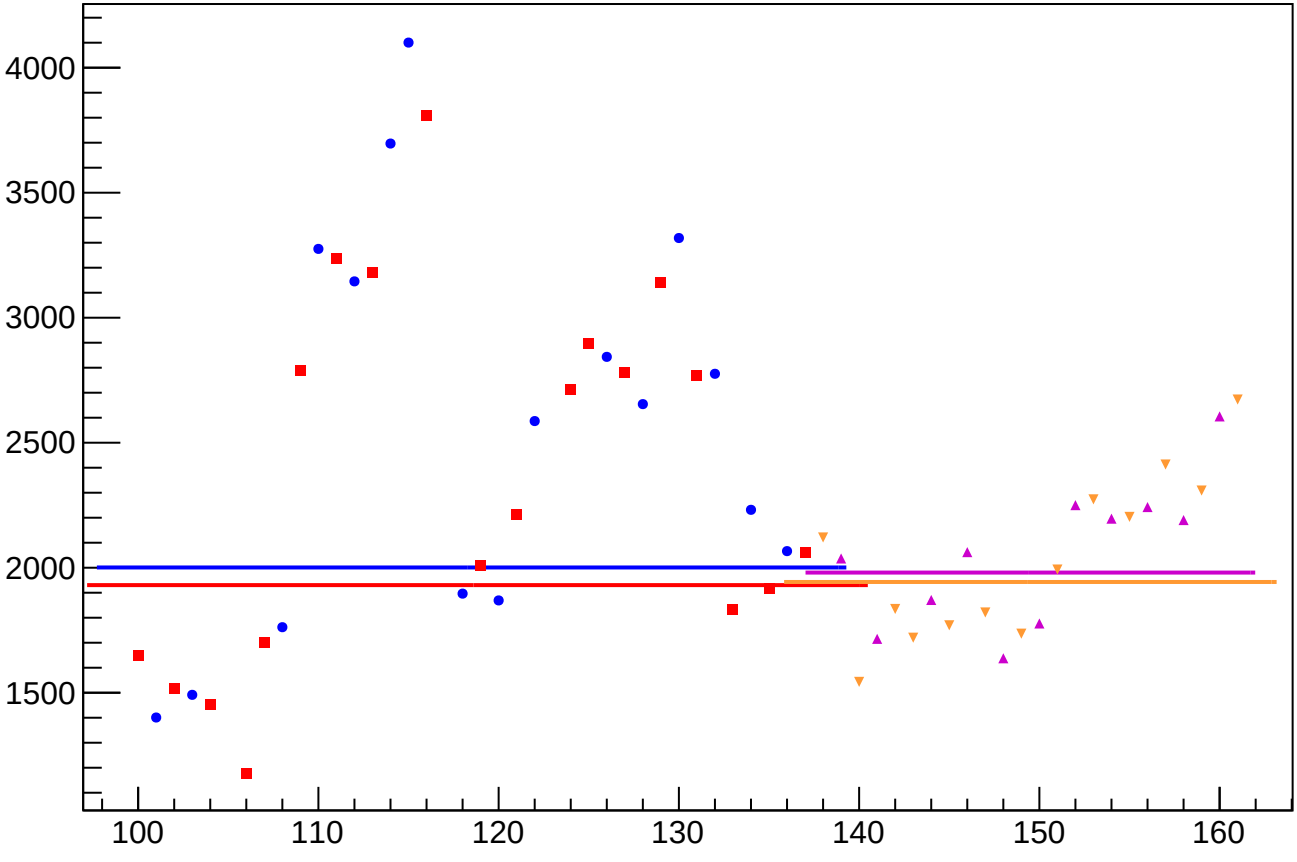
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.308+/-0.498 χ^2/NDF:23.6/26

Out: 0.236+/-0.474 χ^2/NDF:34.3/31

All: -0.497+/-0.343 χ^2/NDF: 63.0/58

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1942.991+/-0.434 χ^2/NDF:482538.0/12

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1980.598+/-0.459 χ^2/NDF:324137.2/10

Left: 1960.774+/-0.315 χ^2/NDF: 810218.7/23

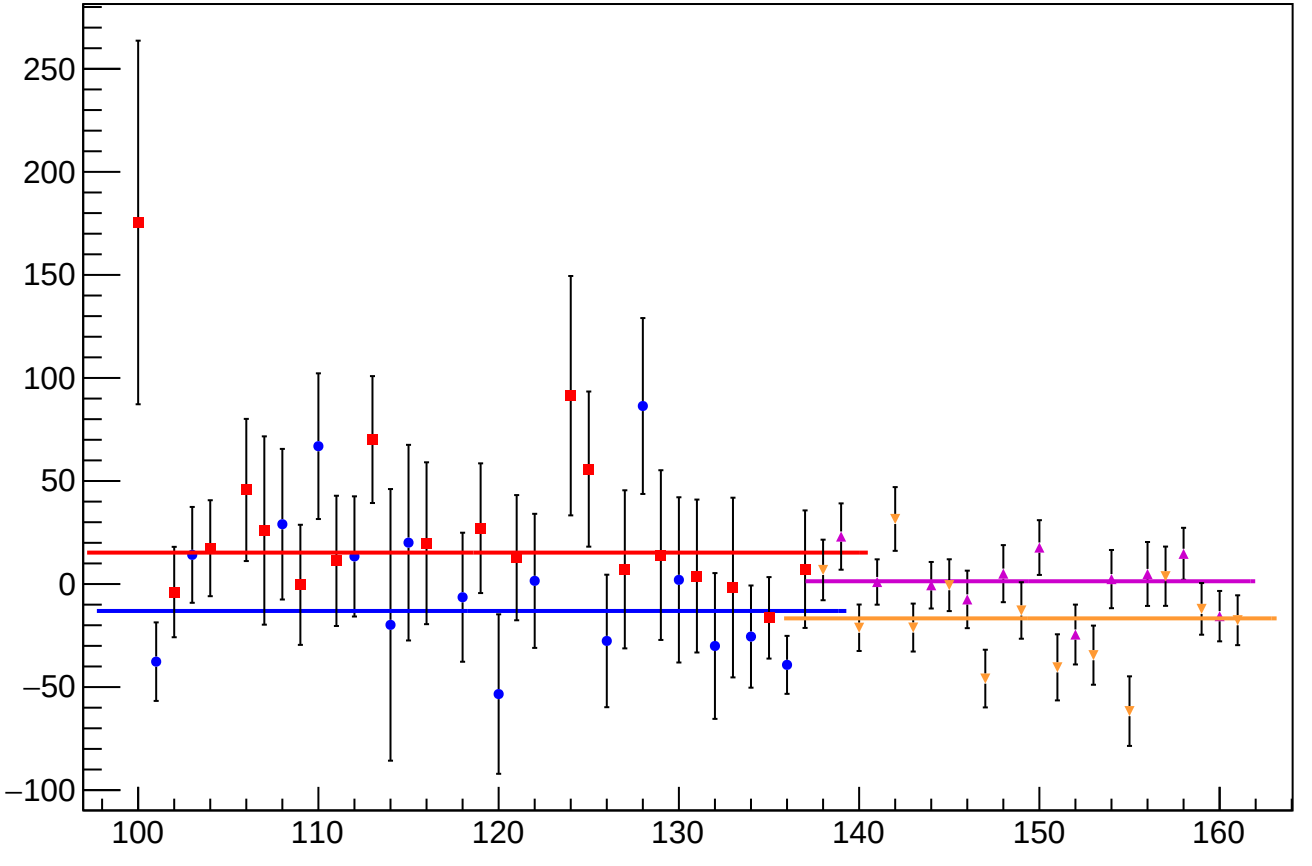
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1988.962+/-0.352 χ^2/NDF:1514732.4/26

Out: 1937.904+/-0.335 χ^2/NDF:1886429.1/31

All: 1962.151+/-0.243 χ^2/NDF: 3412188.1/58

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -16.662+/-3.750 χ^2/NDF:31.7/12

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.352+/-3.989 χ^2/NDF:10.1/10

Left: -8.211+/-2.732 χ^2/NDF: 52.6/23

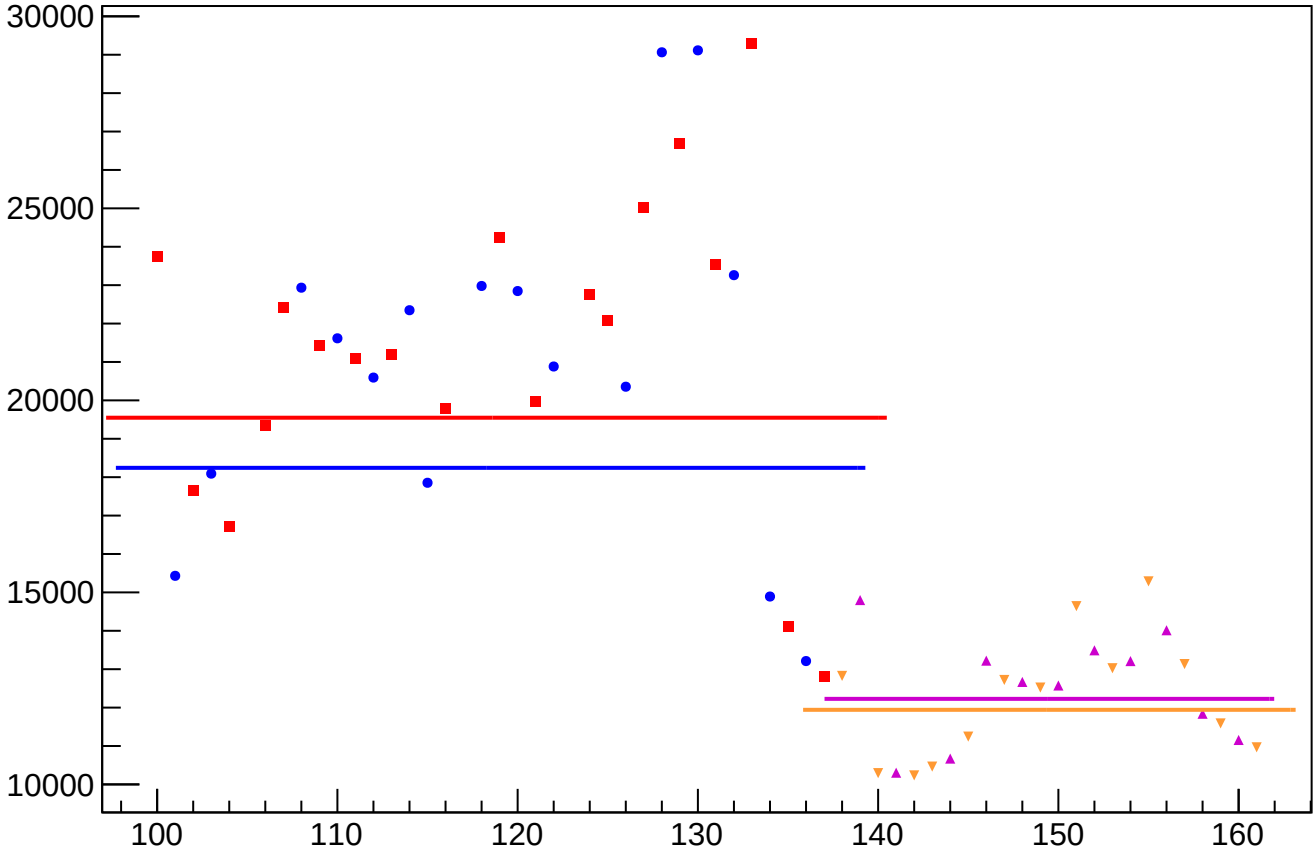
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -2.162+/-3.469 χ^2/NDF:35.1/26

Out: -10.029+/-3.337 χ^2/NDF:61.1/31

All: -6.247+/-2.405 χ^2/NDF: 98.9/58

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11942.279+/-2.652 χ^2/NDF:297506.3/12

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12227.649+/-2.820 χ^2/NDF:232216.1/10

Left: 12076.162+/-1.932 χ^2/NDF: 535156.7/23

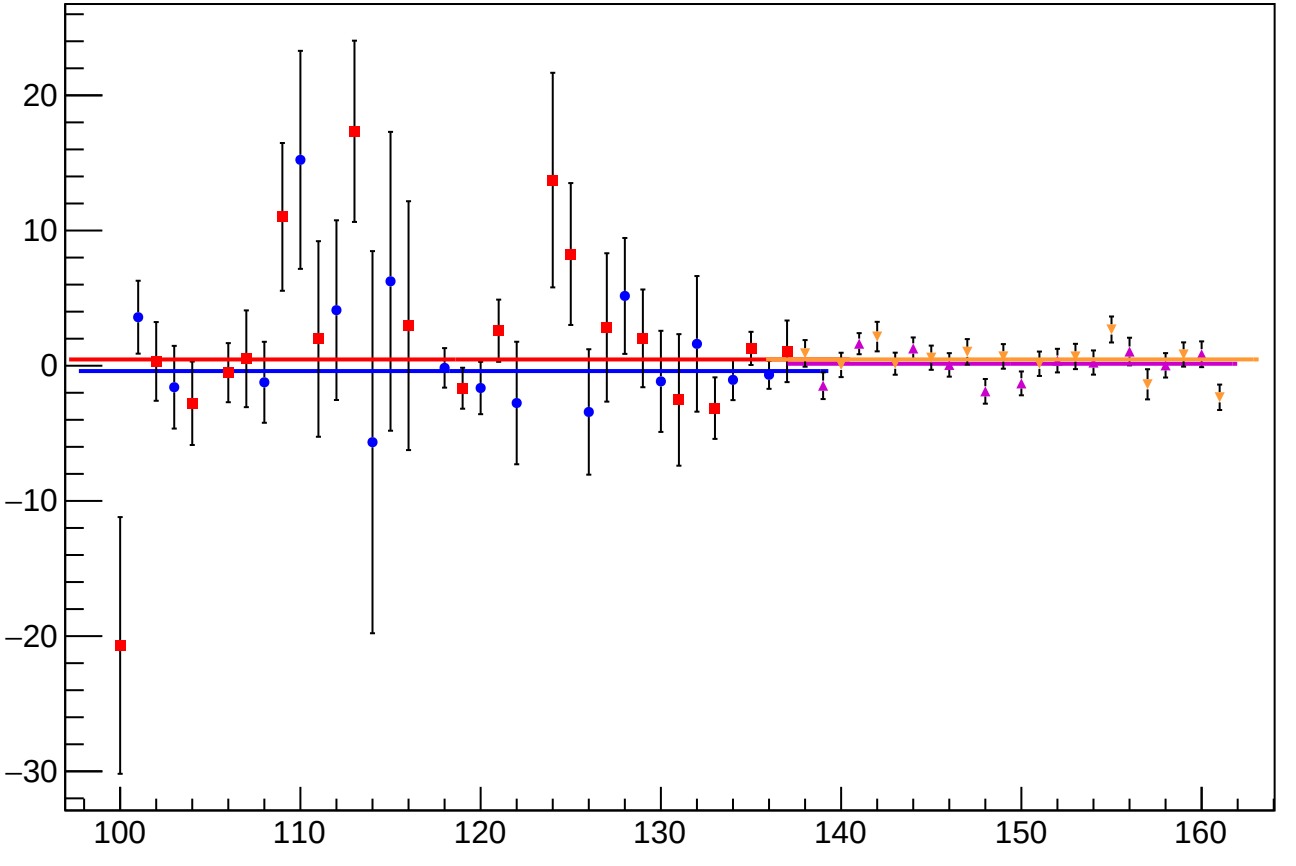
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13693.795+/-2.453 χ^2/NDF:2160760.1/26

Out: 13523.150+/-2.360 χ^2/NDF:2629510.5/31

All: 13605.181+/-1.701 χ^2/NDF: 4792784.0/5

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.468+/-0.260 χ^2/NDF:20.6/12

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.144+/-0.269 χ^2/NDF:17.4/10

Left: 0.312+/-0.187 χ^2/NDF: 38.8/23

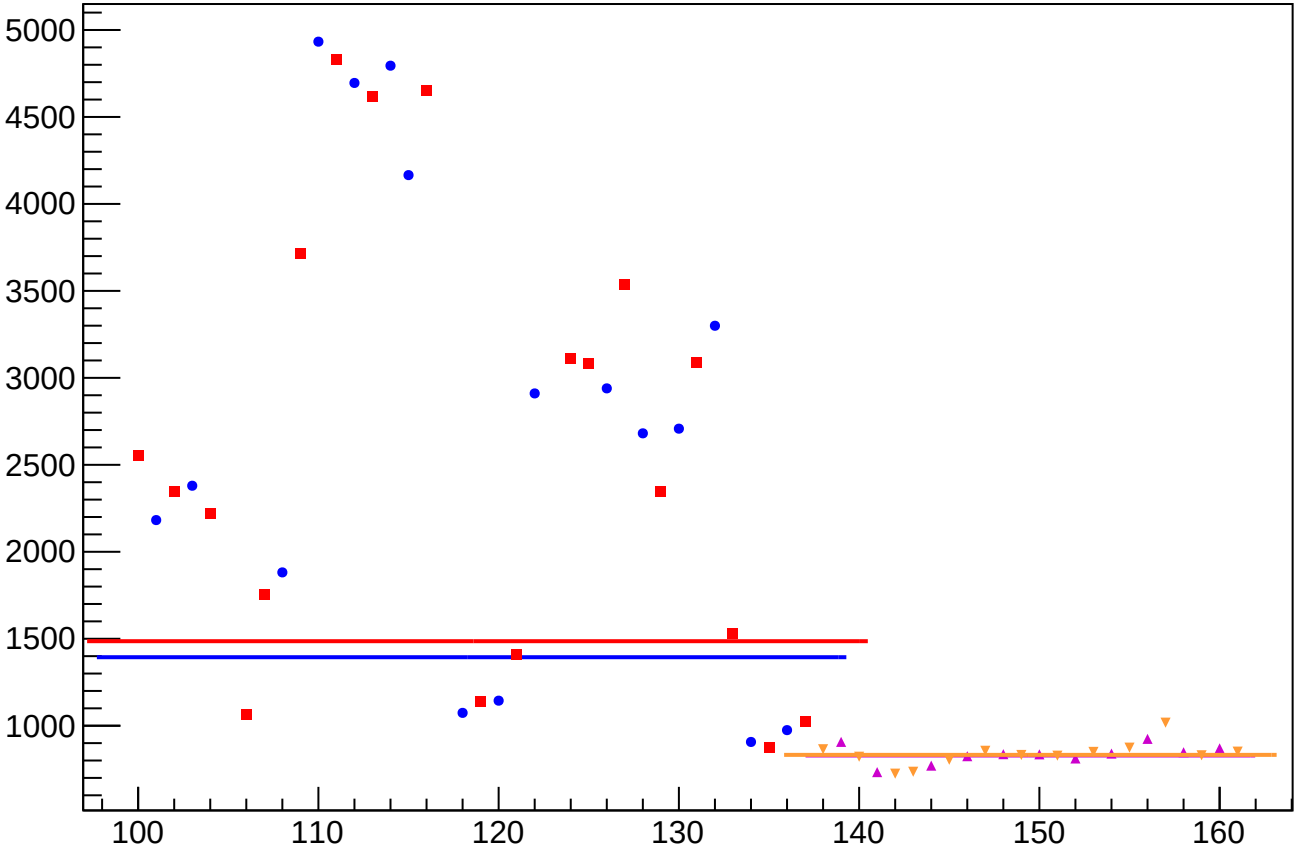
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.054+/-0.245 χ^2/NDF:28.4/26

Out: 0.467+/-0.240 χ^2/NDF:48.7/31

All: 0.265+/-0.172 χ^2/NDF: 78.6/58

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 832.440+/-0.184 χ^2/NDF:113841.1/12

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 828.805+/-0.190 χ^2/NDF:76191.3/10

Left: 830.686+/-0.132 χ^2/NDF: 190221.4/23

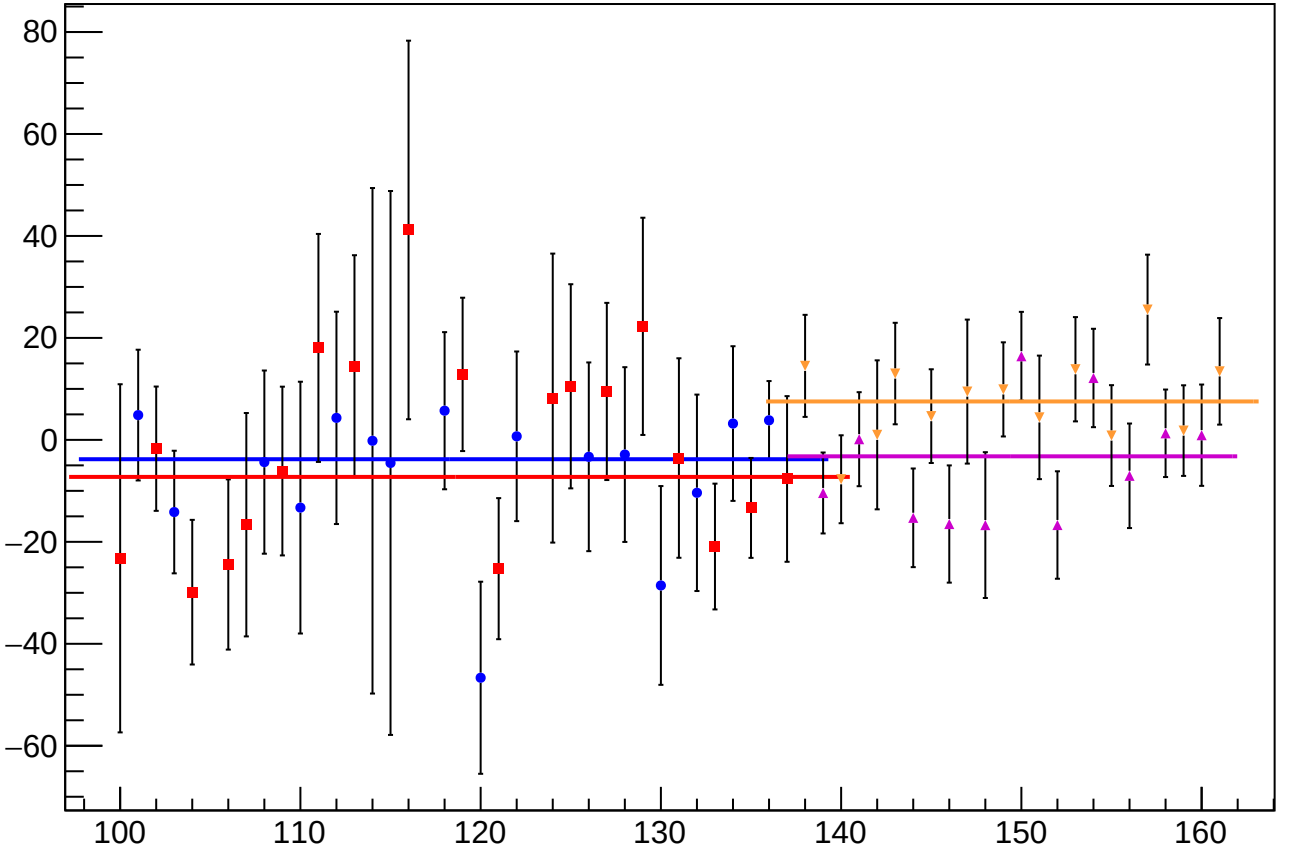
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 923.326+/-0.174 χ^2/NDF:4933939.8/26

Out: 926.404+/-0.170 χ^2/NDF:5332951.6/31

All: 924.897+/-0.121 χ^2/NDF: 10267052.0/58

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 7.536+/-2.842 χ^2/NDF:8.7/12

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.227+/-2.925 χ^2/NDF:14.6/10

Left: 2.309+/-2.038 χ^2/NDF: 30.3/23

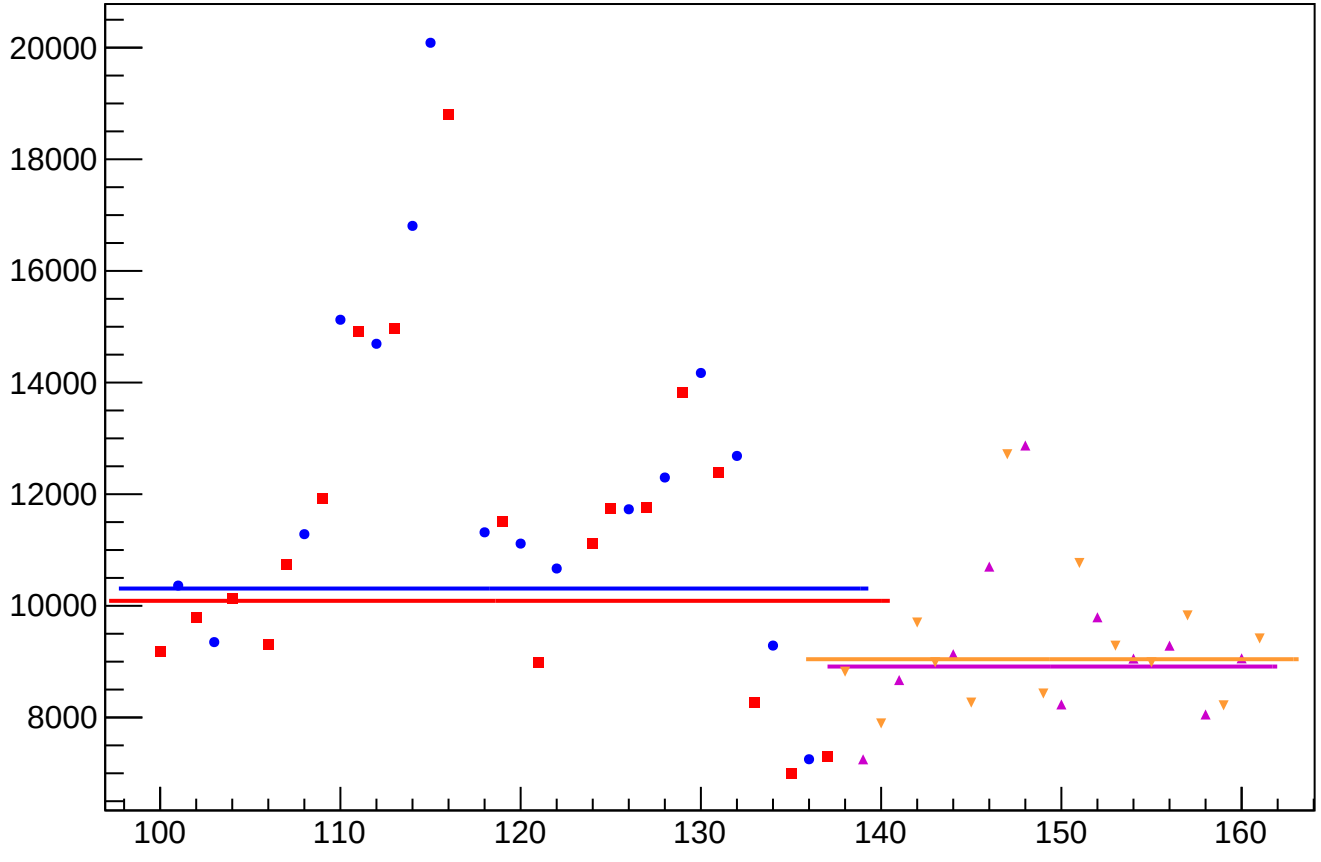
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.428+/-2.349 χ^2/NDF:24.7/26

Out: 2.240+/-2.277 χ^2/NDF:35.7/31

All: -0.507+/-1.635 χ^2/NDF: 63.4/58

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9043.688+/-2.010 χ^2/NDF:271156.7/12

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8912.383+/-2.068 χ^2/NDF:341692.1/10

Left: 8979.916+/-1.441 χ^2/NDF: 614922.3/23

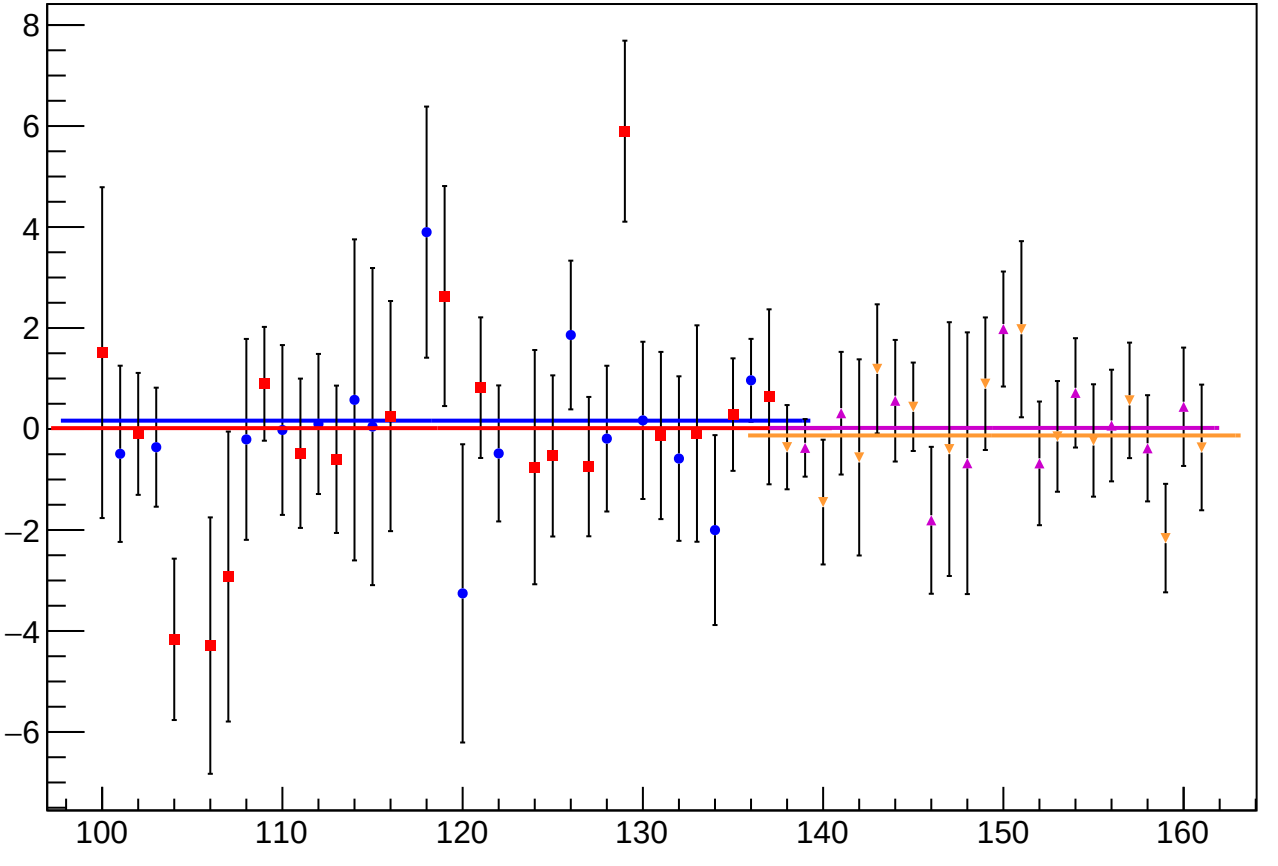
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9408.356+/-1.661 χ^2/NDF:1274299.5/26

Out: 9417.965+/-1.610 χ^2/NDF:1160881.4/31

All: 9413.309+/-1.156 χ^2/NDF: 2435198.2/58

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.128+/-0.329 χ^2/NDF:8.8/12

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.021+/-0.319 χ^2/NDF:6.4/10

Left: -0.051+/-0.229 χ^2/NDF: 15.3/23

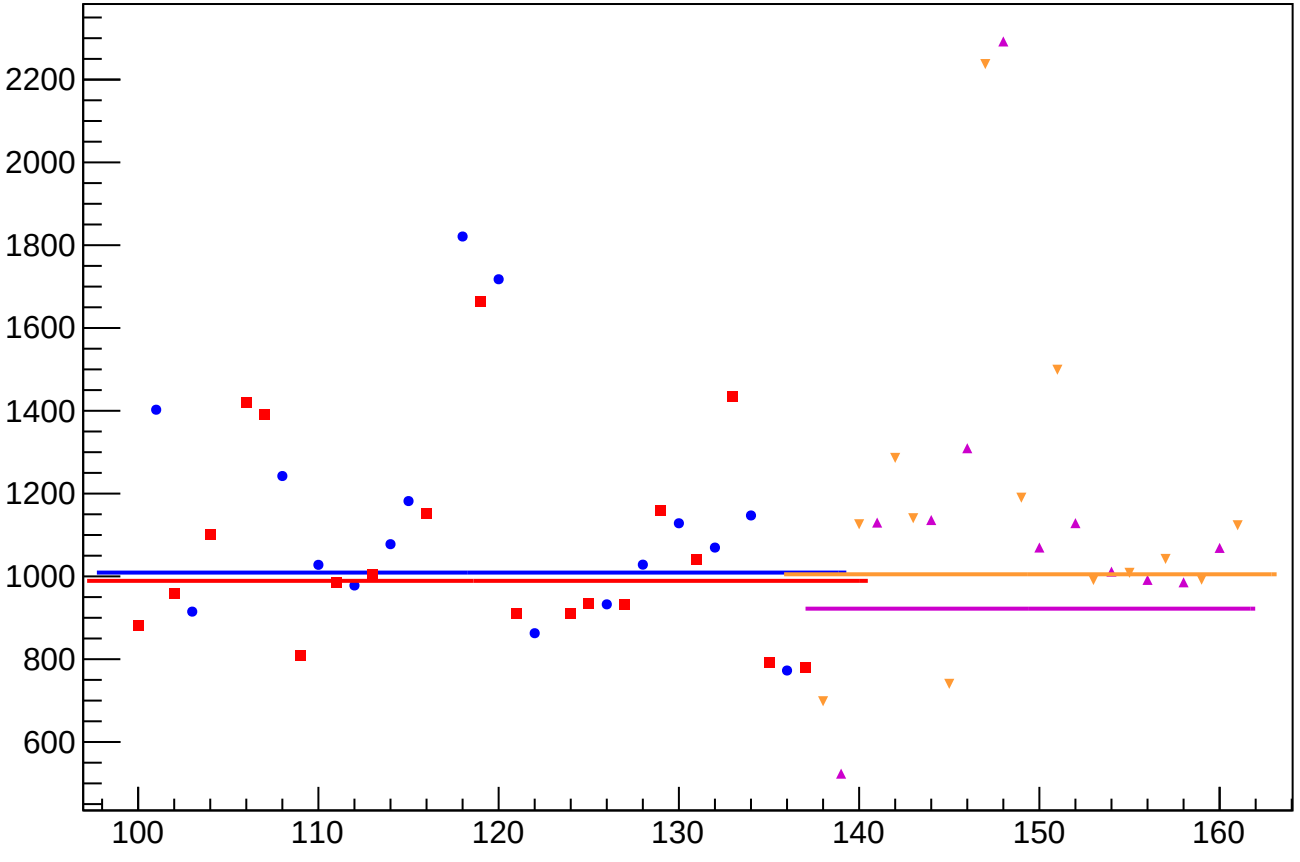
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.080+/-0.246 χ^2/NDF:14.6/26

Out: -0.064+/-0.246 χ^2/NDF:34.1/31

All: 0.008+/-0.174 χ^2/NDF: 48.8/58

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1005.100+/-0.232 χ^2/NDF:1238558.9/12

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 922.053+/-0.226 χ^2/NDF:1950114.5/10

Left: 962.385+/-0.162 χ^2/NDF: 3254354.0/23

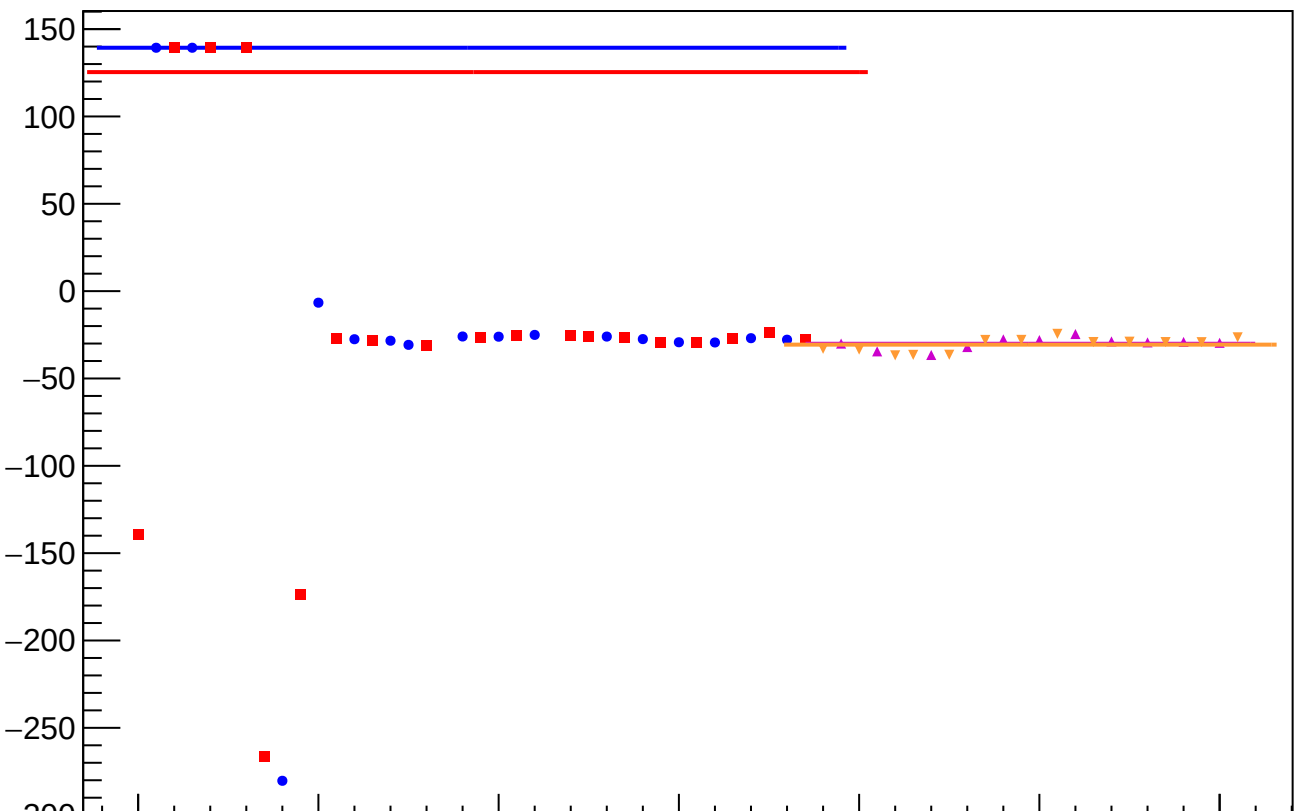
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 957.441+/-0.174 χ^2/NDF:2709908.6/26

Out: 998.155+/-0.174 χ^2/NDF:1816357.5/31

All: 977.779+/-0.123 χ^2/NDF: 4553600.6/58

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.630+/-0.000 χ^2/NDF:86890505.4/12

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.124+/-0.000 χ^2/NDF:52392457.7/10

Left: -30.398+/-0.000 χ^2/NDF: 139878226.1/23

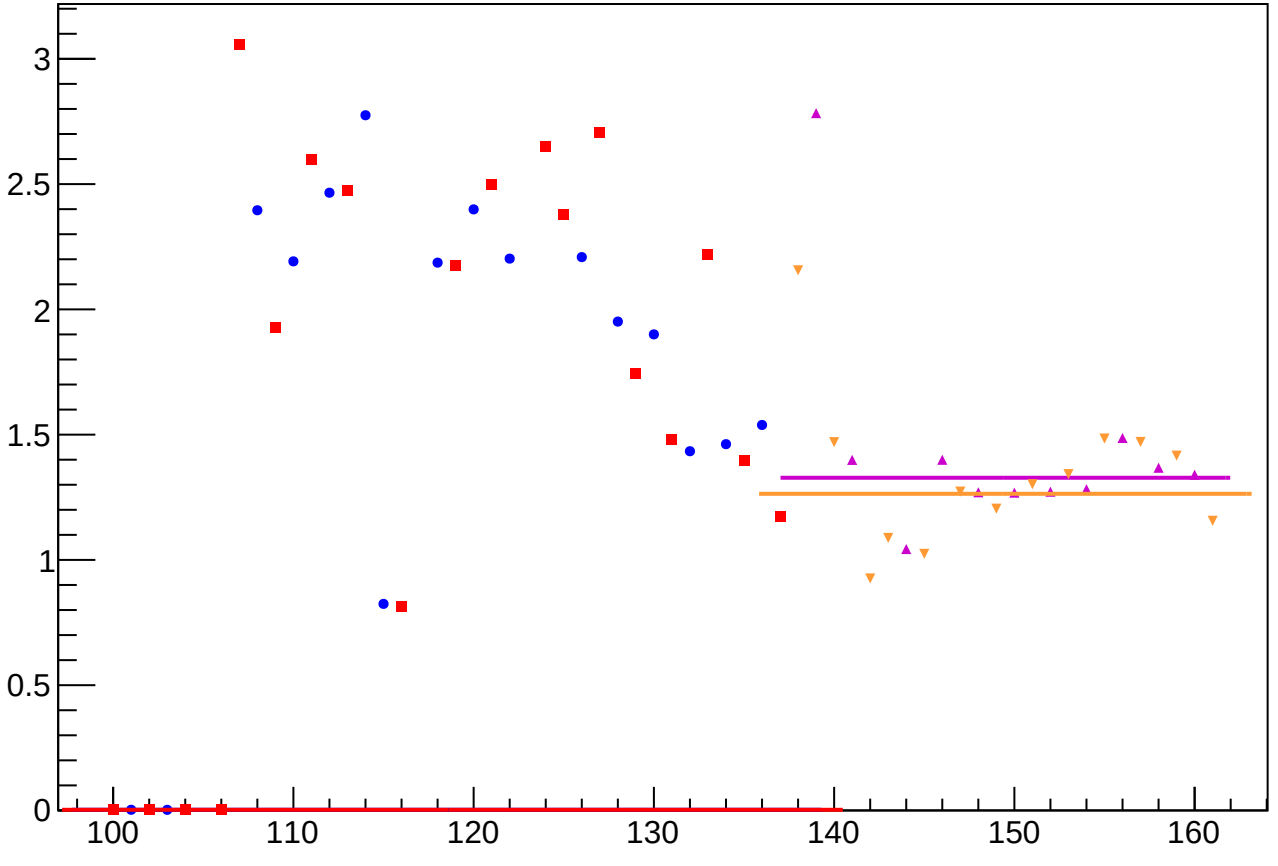
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.333+/-0.000 χ^2/NDF:170517255245.8/26

Out: 125.388+/-0.000 χ^2/NDF:774296359289255.

All: 131.814+/-0.000 χ^2/NDF: 79325131721

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.264+/-0.000 χ^2/NDF:517999.0/12

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.328+/-0.000 χ^2/NDF:583996.7/10

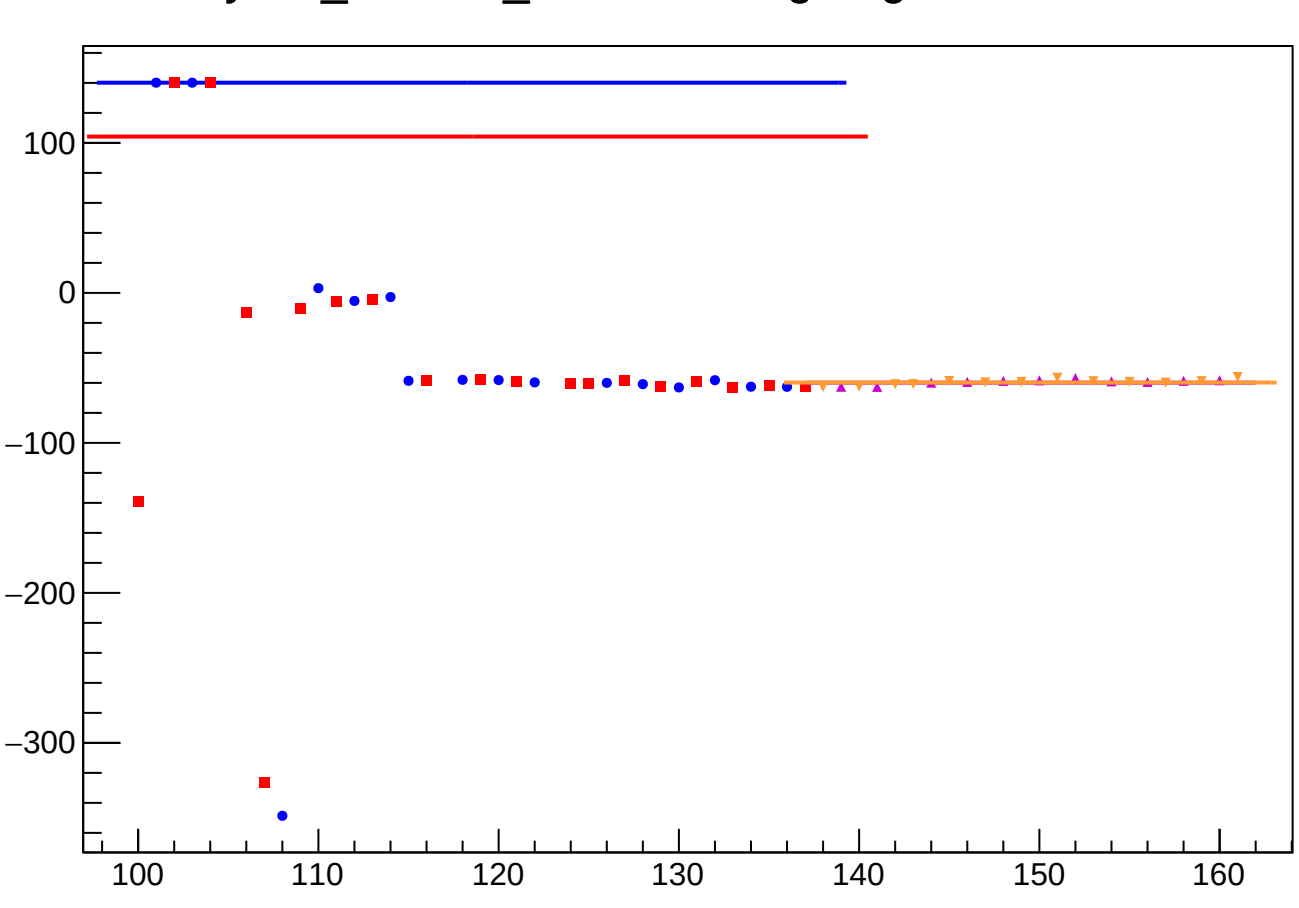
Left: 1.293+/-0.000 χ^2/NDF: 1121066.2/23

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

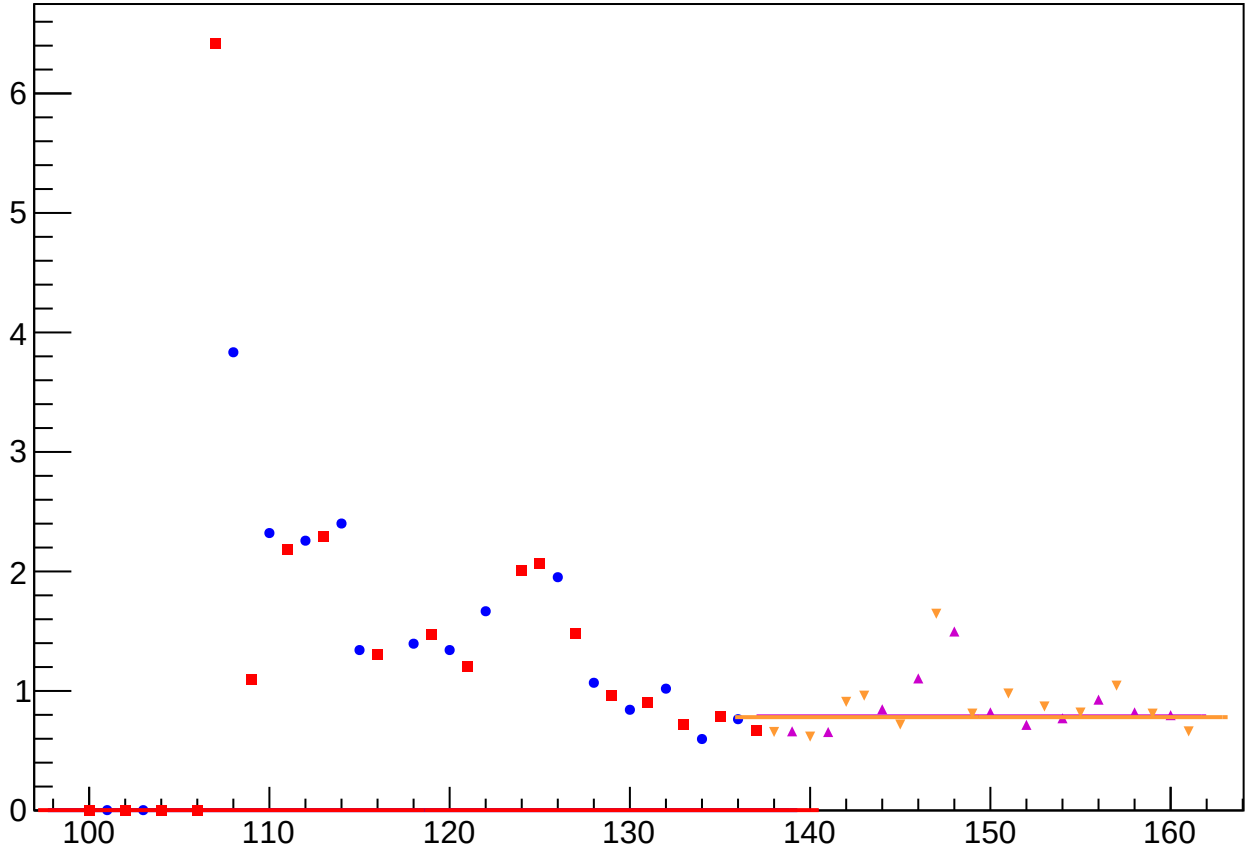
In: 0.003+/-0.000 χ^2/NDF:25241546.2/26

Out: 0.003+/-0.000 χ^2/NDF:26347355.5/31

All: 0.003+/-0.000 χ^2/NDF: 51589101.6/58


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.779+/-0.000 χ²/NDF:64998398.9/12
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -59.857+/-0.000 χ²/NDF:50125453.2/10
Left: -59.816+/-0.000 χ²/NDF: 115160156.9/23
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.131+/-0.000 χ²/NDF:648301958707.9/26
Out: 104.214+/-0.000 χ²/NDF:125774306219067
All: 120.820+/-0.000 χ²/NDF: 138168561617

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.781+/-0.000 χ^2/NDF:819526.4/12

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.788+/-0.000 χ^2/NDF:599795.7/10

Left: 0.784+/-0.000 χ^2/NDF: 1419883.0/23

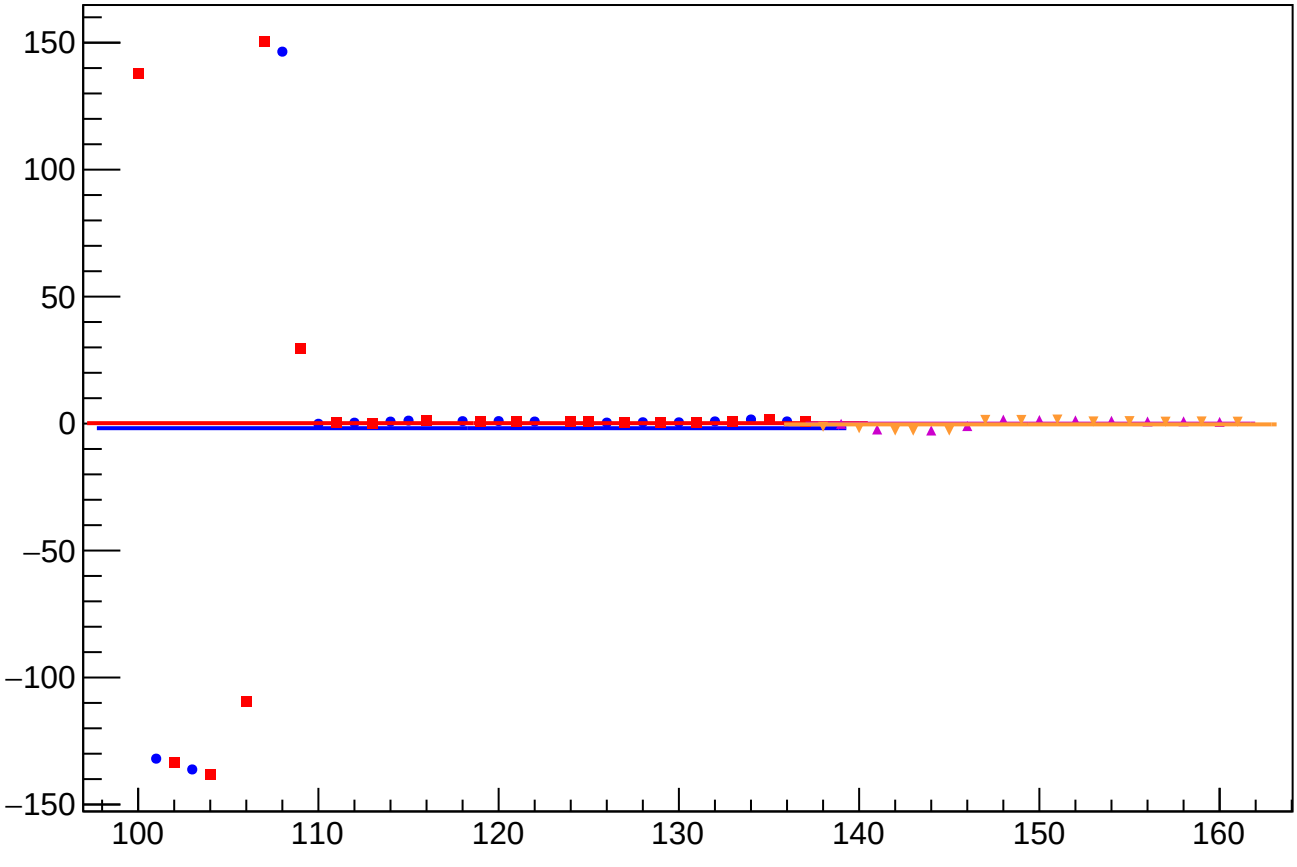
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:25370876.9/26

Out: 0.003+/-0.000 χ^2/NDF:26441938.7/31

All: 0.003+/-0.000 χ^2/NDF: 51813063.5/58

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.312+/-0.000 χ^2/NDF:86120221.3/12

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.016+/-0.000 χ^2/NDF:60611352.6/10

Left: -0.175+/-0.000 χ^2/NDF: 147869628.3/23

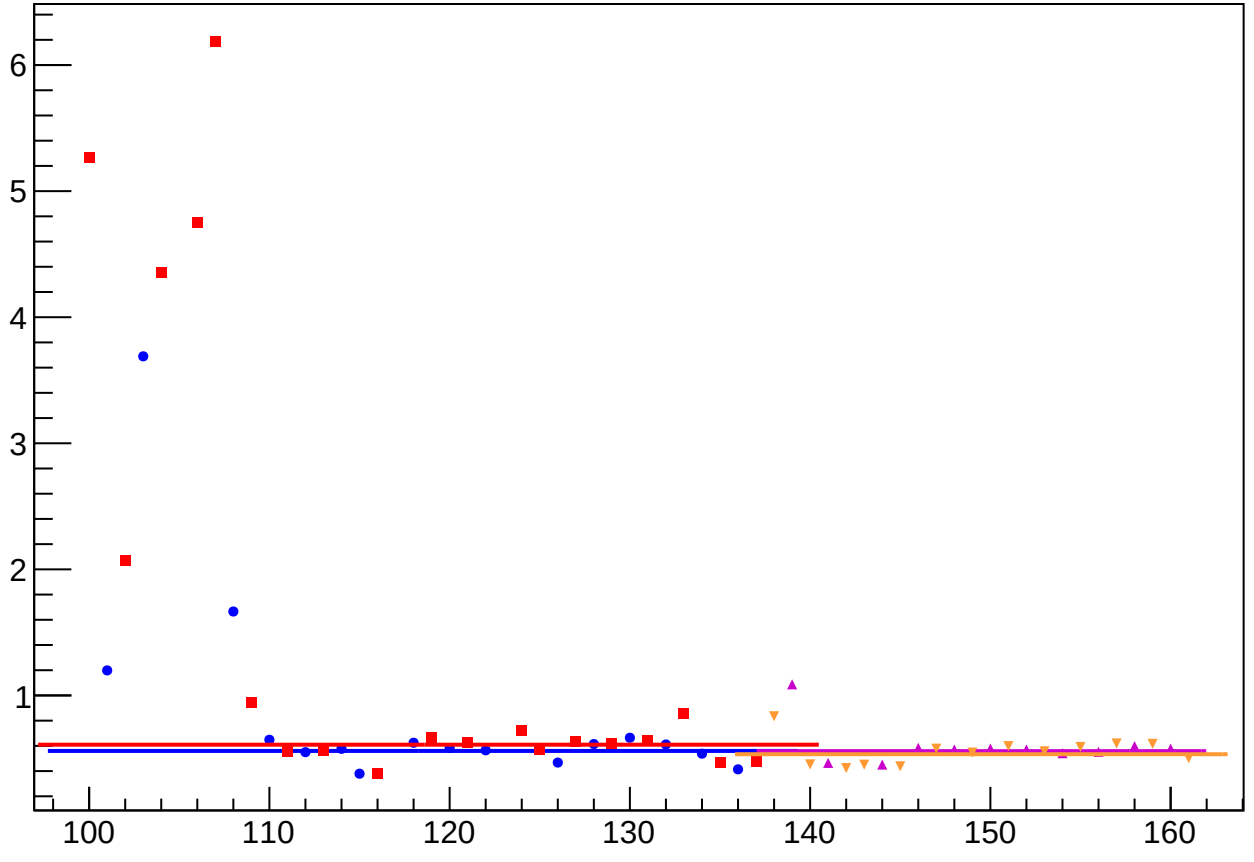
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.736+/-0.000 χ^2/NDF:9979231285.3/26

Out: -0.158+/-0.000 χ^2/NDF:3699424881.9/31

All: -0.443+/-0.000 χ^2/NDF: 13685490005.6/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.534+/-0.000 χ^2/NDF:441078.3/12

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.558+/-0.000 χ^2/NDF:536828.5/10

Left: 0.545+/-0.000 χ^2/NDF: 993417.8/23

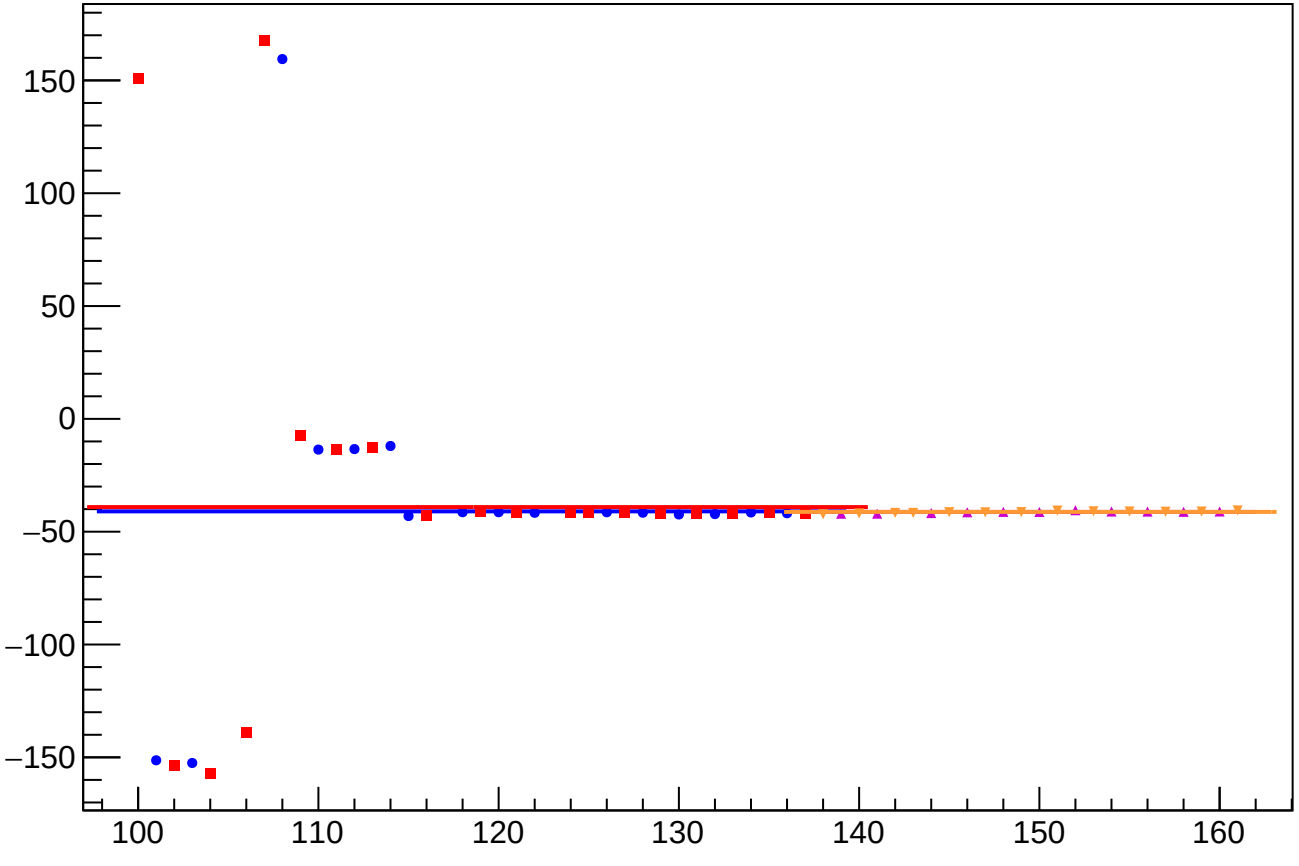
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.559+/-0.000 χ^2/NDF:2135326.5/26

Out: 0.558+/-0.000 χ^2/NDF:3020952.0/31

All: 0.558+/-0.000 χ^2/NDF: 5156300.1/58

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.224+/-0.000 χ^2/NDF:13480172.2/12

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.236+/-0.000 χ^2/NDF:12285997.2/10

Left: -41.230+/-0.000 χ^2/NDF: 25771585.9/23

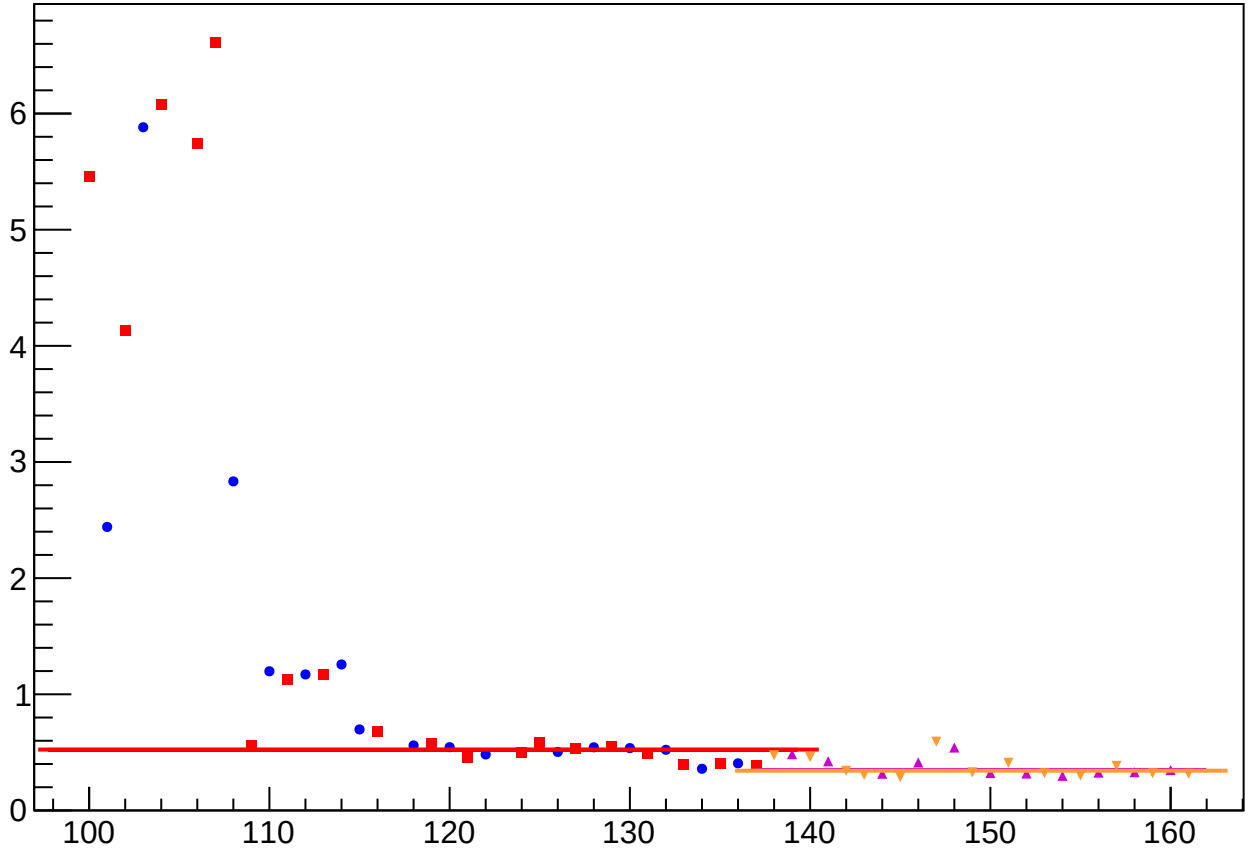
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.185+/-0.000 χ^2/NDF:3462820657.4/26

Out: -40.840+/-0.000 χ^2/NDF:2559712387.7/31

All: -41.005+/-0.000 χ^2/NDF: 6028191270.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.342+/-0.000 χ^2/NDF:688887.1/12

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:515362.0/10

Left: 0.345+/-0.000 χ^2/NDF: 1207241.2/23

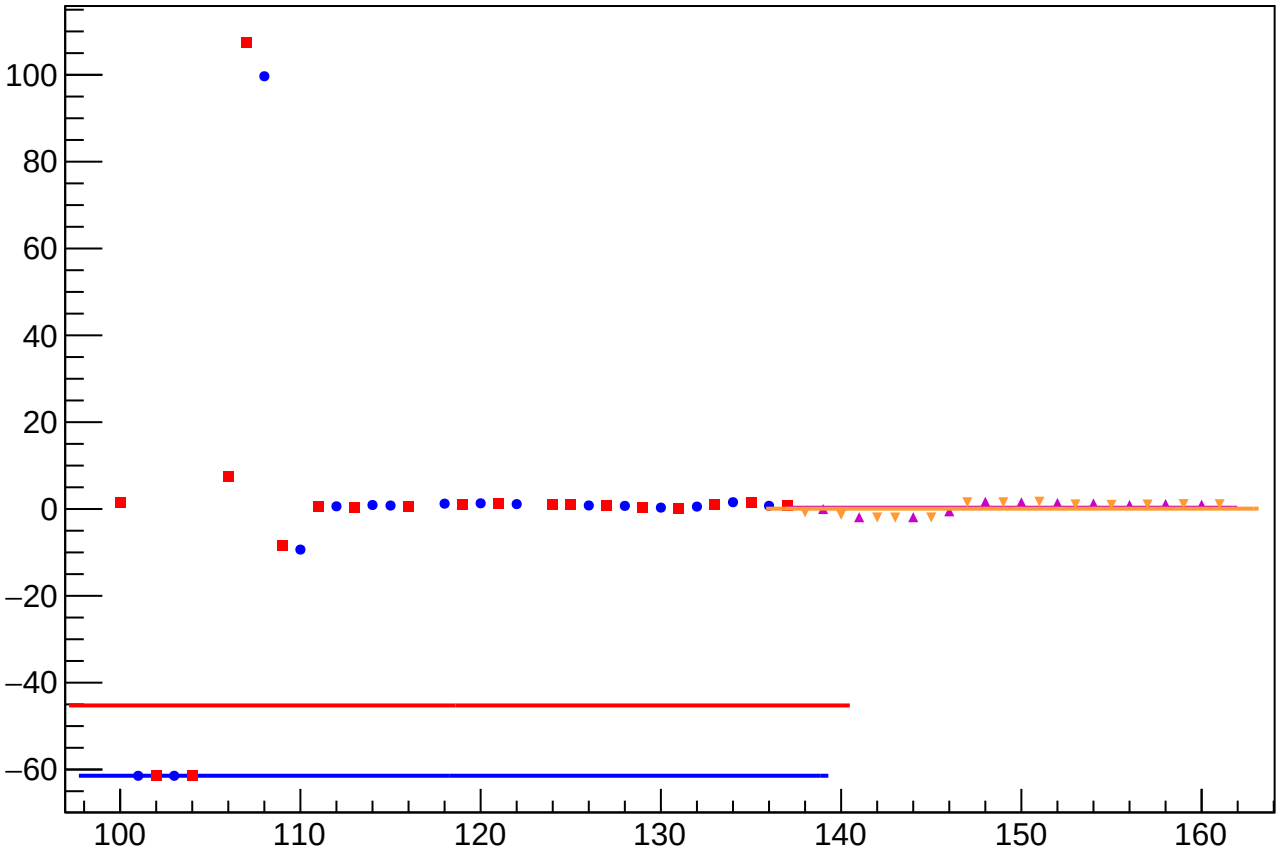
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.384+/-0.000 χ^2/NDF:4348440.9/26

Out: 0.375+/-0.000 χ^2/NDF:4920372.4/31

All: 0.379+/-0.000 χ^2/NDF: 9275855.5/58

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:87125323.6/12

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.295+/-0.000 χ^2/NDF:65646389.4/10

Left: 0.181+/-0.000 χ^2/NDF: 153612027.5/23

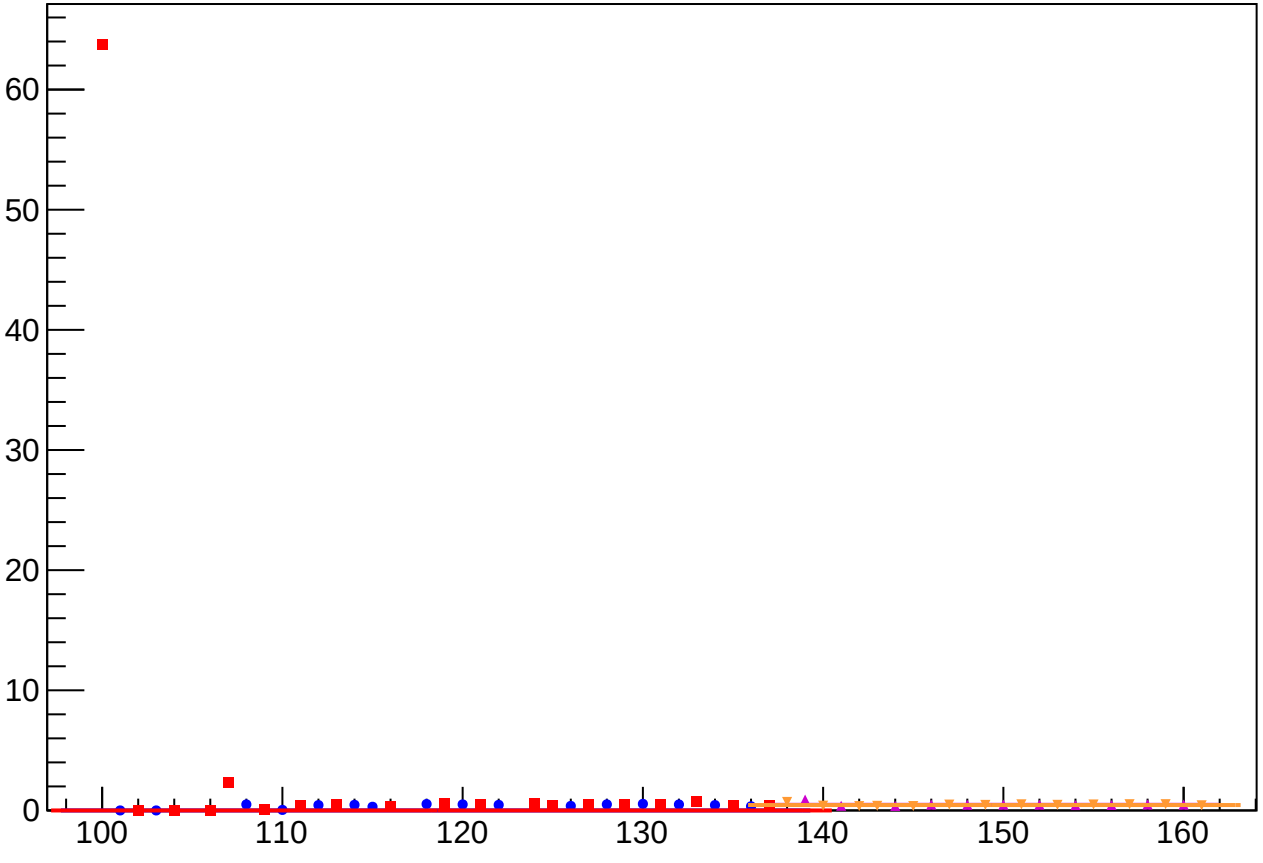
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.430+/-0.000 χ^2/NDF:404753588670.7/26

Out: -45.241+/-0.000 χ^2/NDF:357951752425528.4

All: -52.744+/-0.000 χ^2/NDF: 409329435449

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.451+/-0.000 χ^2/NDF:431089.1/12

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.469+/-0.000 χ^2/NDF:533323.4/10

Left: 0.459+/-0.000 χ^2/NDF: 975865.0/23

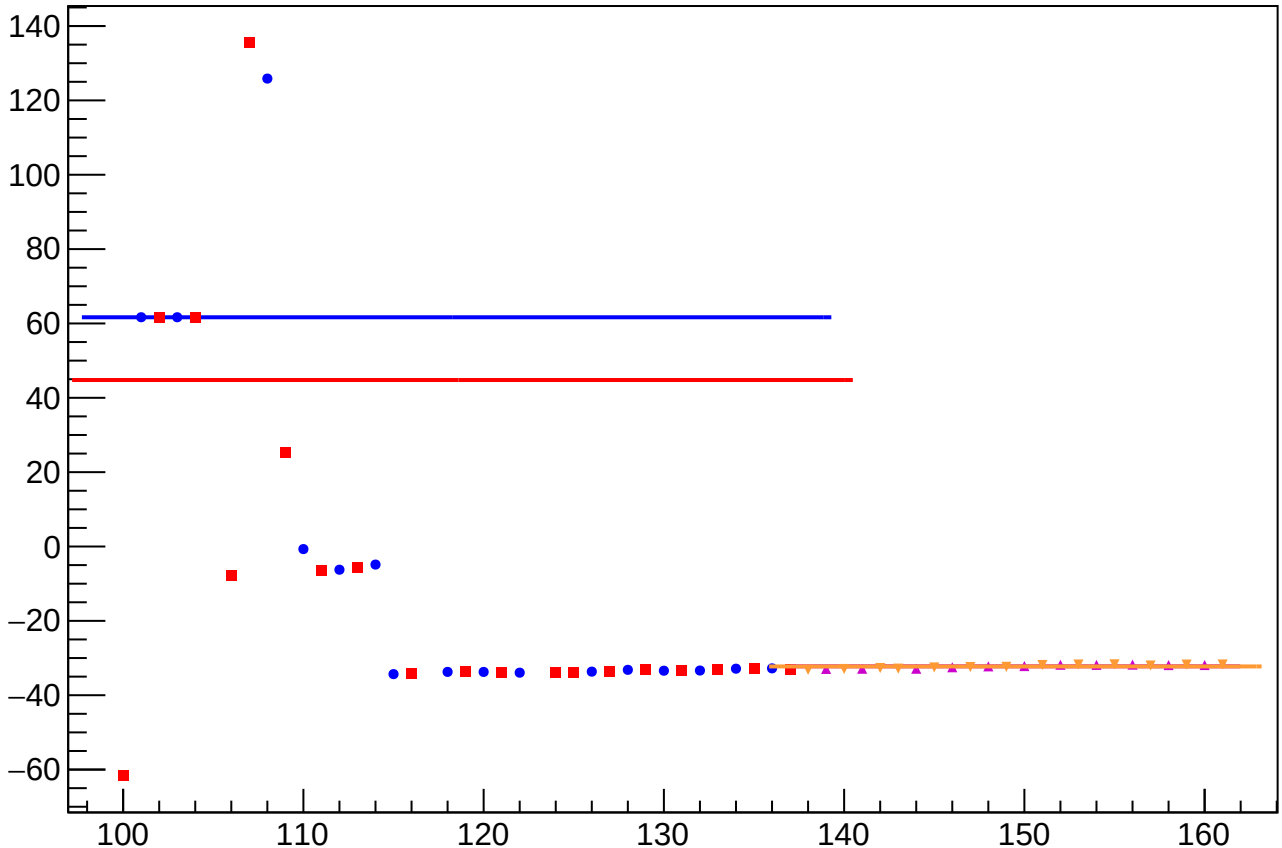
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:24726263.6/26

Out: 0.002+/-0.000 χ^2/NDF:25787841.2/31

All: 0.002+/-0.000 χ^2/NDF: 50514112.2/58

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.256+/-0.000 χ^2/NDF:27838680.9/12

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.224+/-0.000 χ^2/NDF:21115963.6/10

Left: -32.240+/-0.000 χ^2/NDF: 49010032.3/23

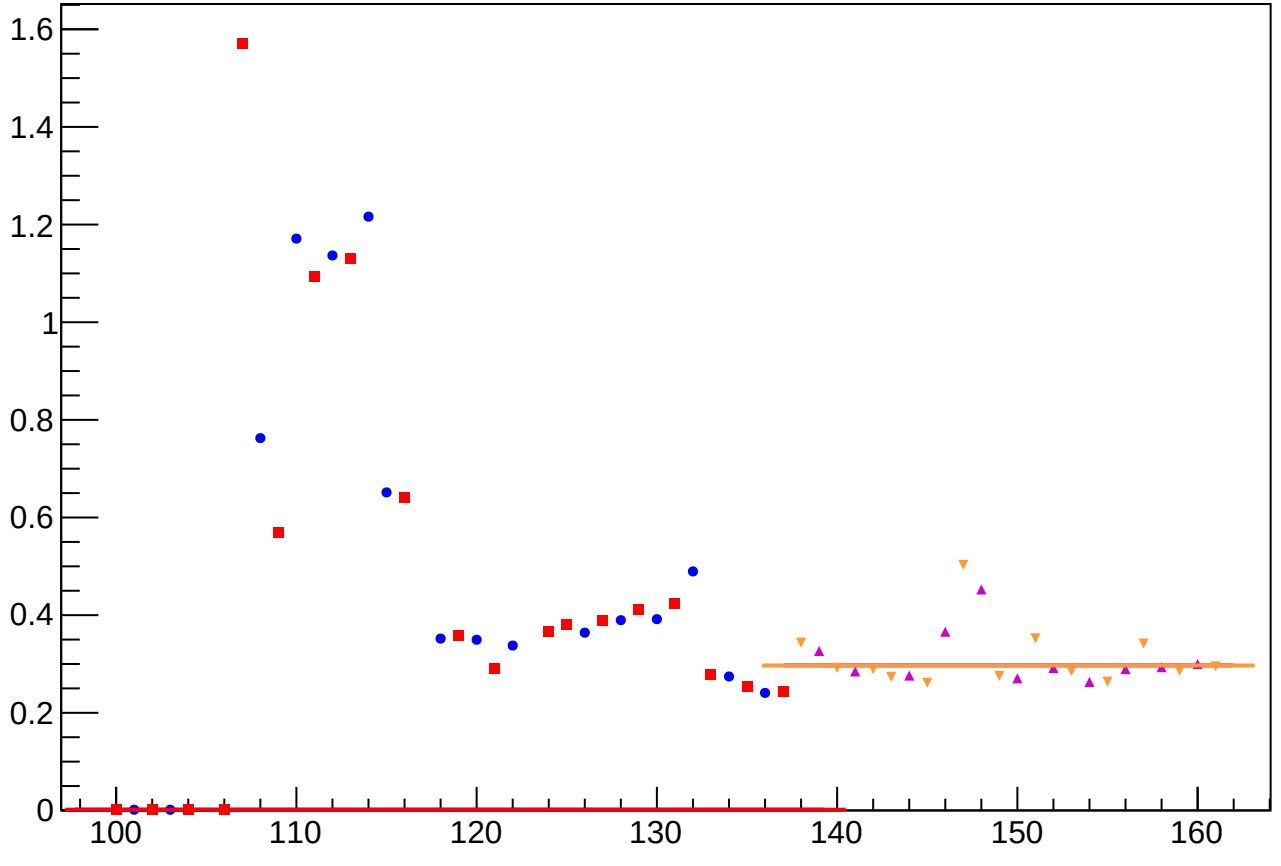
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.633+/-0.000 χ^2/NDF:1272007748283.4/26

Out: 44.763+/-0.000 χ^2/NDF:366748891569983.4

All: 52.663+/-0.000 χ^2/NDF: 419101538367

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443280.3/12

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.297+/-0.000 χ^2/NDF:319176.2/10

Left: 0.297+/-0.000 χ^2/NDF: 762460.8/23

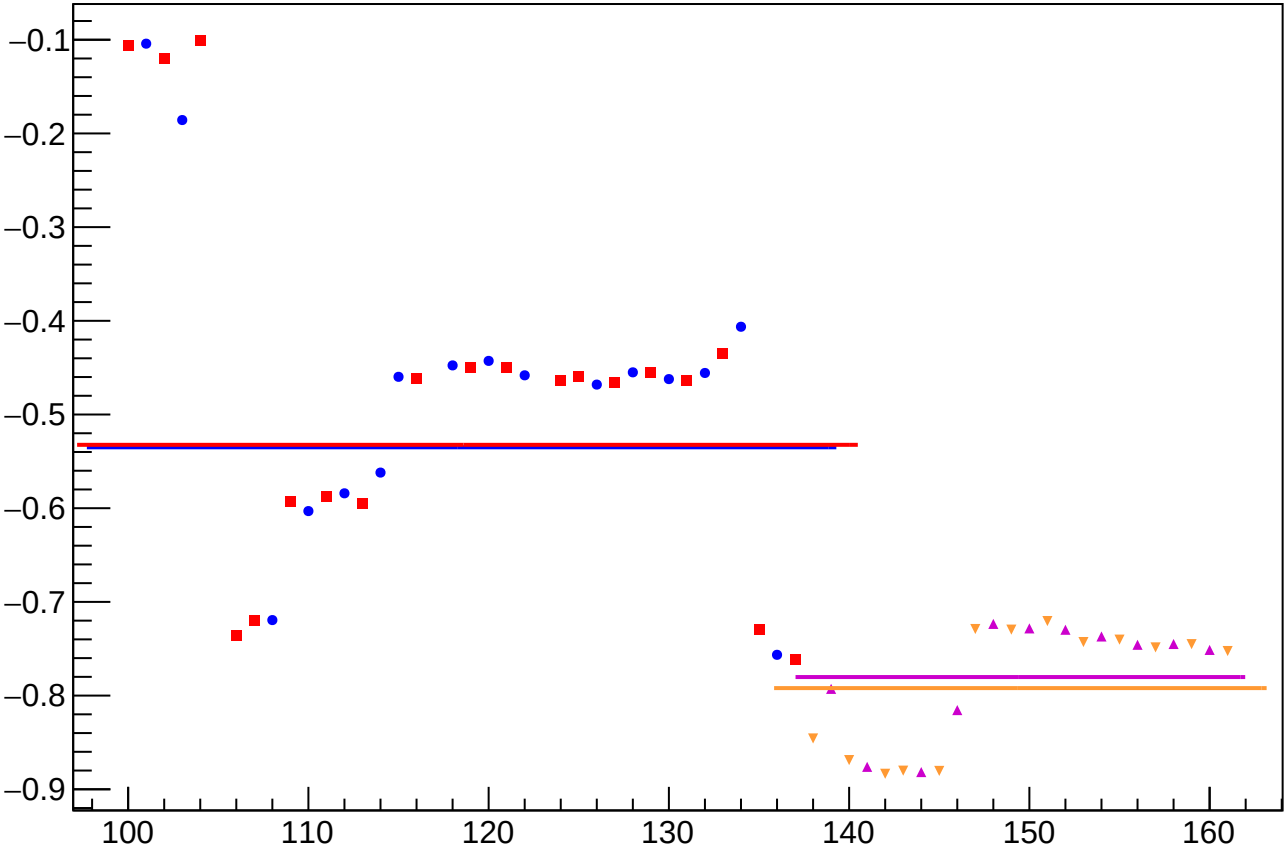
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:29239966.0/26

Out: 0.002+/-0.000 χ^2/NDF:30234927.0/31

All: 0.002+/-0.000 χ^2/NDF: 59474964.9/58

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.792+/-0.000 χ^2/NDF:96099460.8/12

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.780+/-0.000 χ^2/NDF:68987178.0/10

Left: -0.787+/-0.000 χ^2/NDF: 166461003.7/23

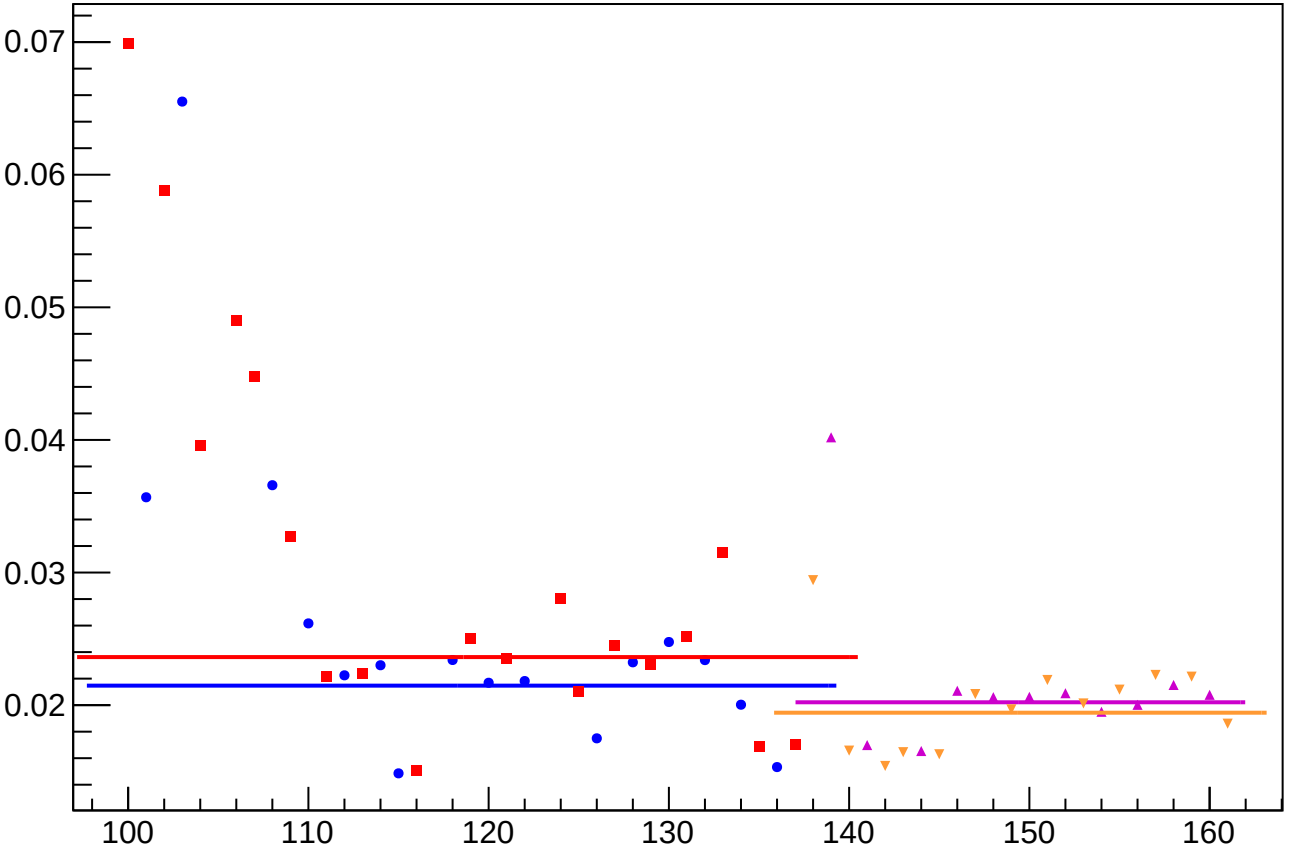
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.685+/-0.000 χ^2/NDF:798609466.6/26

Out: -0.709+/-0.000 χ^2/NDF:768688179.8/31

All: -0.697+/-0.000 χ^2/NDF: 1575847196.9/5

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:385620.5/12

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:537812.8/10

Left: 0.020+/-0.000 χ^2/NDF: 935634.0/23

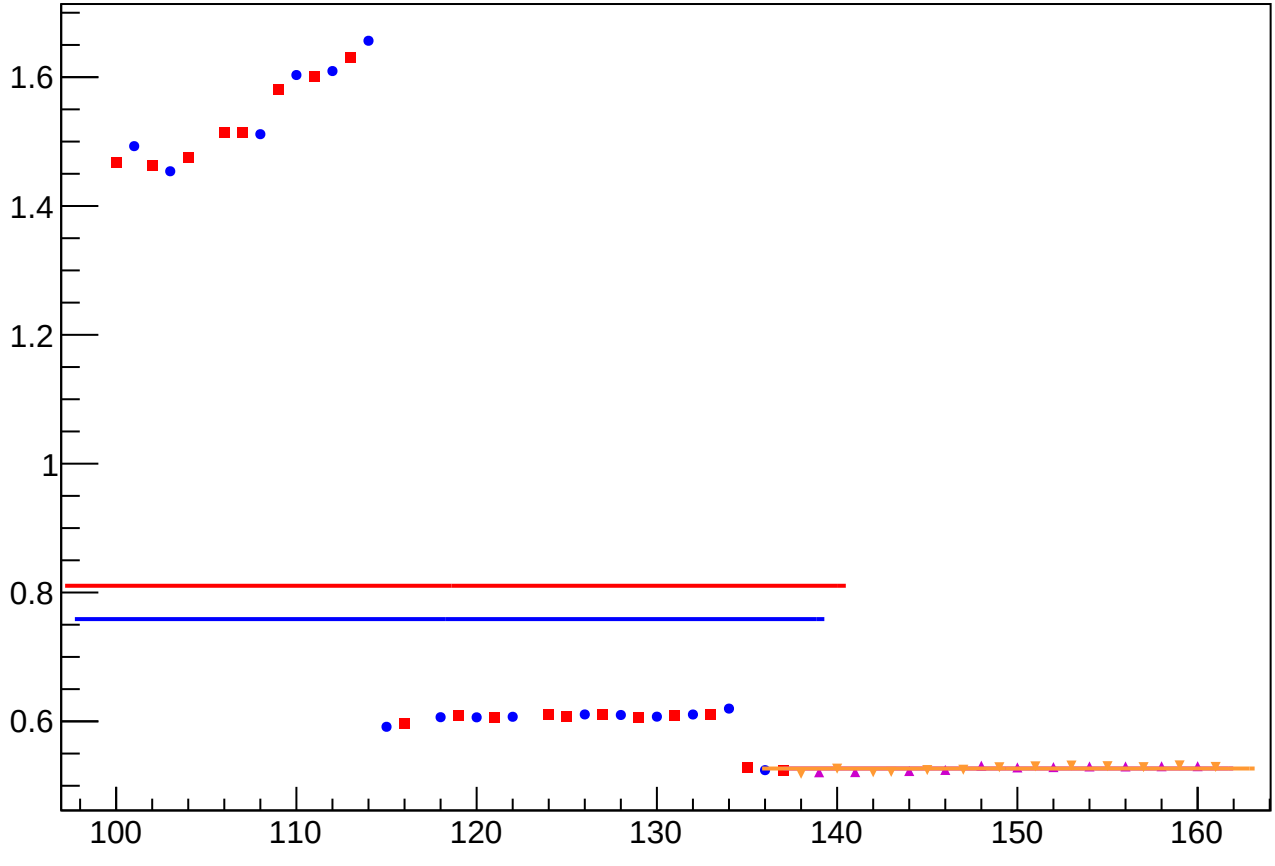
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1714264.1/26

Out: 0.021+/-0.000 χ^2/NDF:1902161.0/31

All: 0.021+/-0.000 χ^2/NDF: 3616573.6/58

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1113434.9/12

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:871916.7/10

Left: 0.527+/-0.000 χ^2/NDF: 1985353.8/23

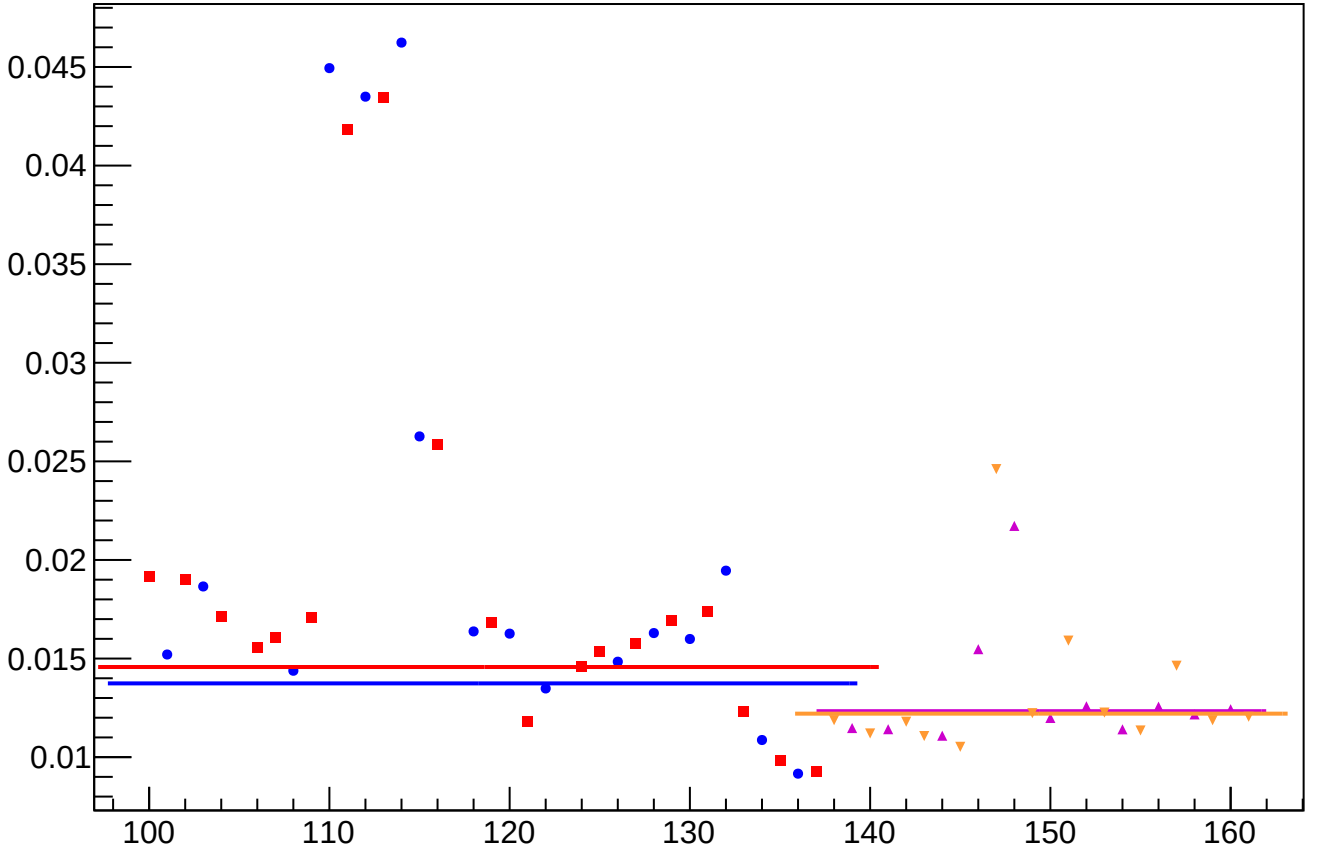
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.607+/-0.000 χ^2/NDF:5411754956.8/26

Out: 0.615+/-0.000 χ^2/NDF:6398795921.2/31

All: 0.611+/-0.000 χ^2/NDF: 11813305035.7/5

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:613507.8/12

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416343.5/10

Left: 0.012+/-0.000 χ^2/NDF: 1030826.1/23

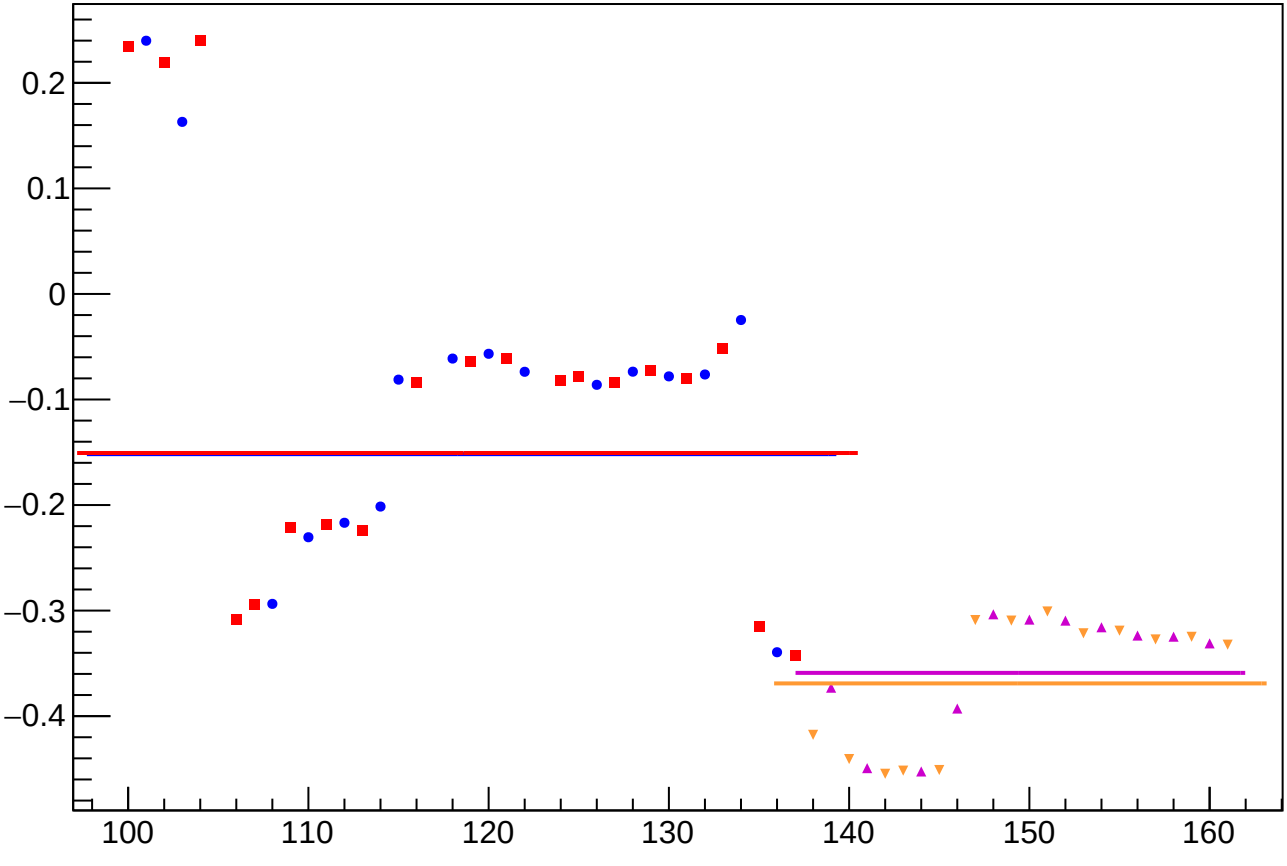
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2147864.1/26

Out: 0.013+/-0.000 χ^2/NDF:2295036.6/31

All: 0.013+/-0.000 χ^2/NDF: 4444260.7/58

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.369+/-0.000 χ^2/NDF:93796590.4/12

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.359+/-0.000 χ^2/NDF:70234578.9/10

Left: -0.364+/-0.000 χ^2/NDF: 165114202.5/23

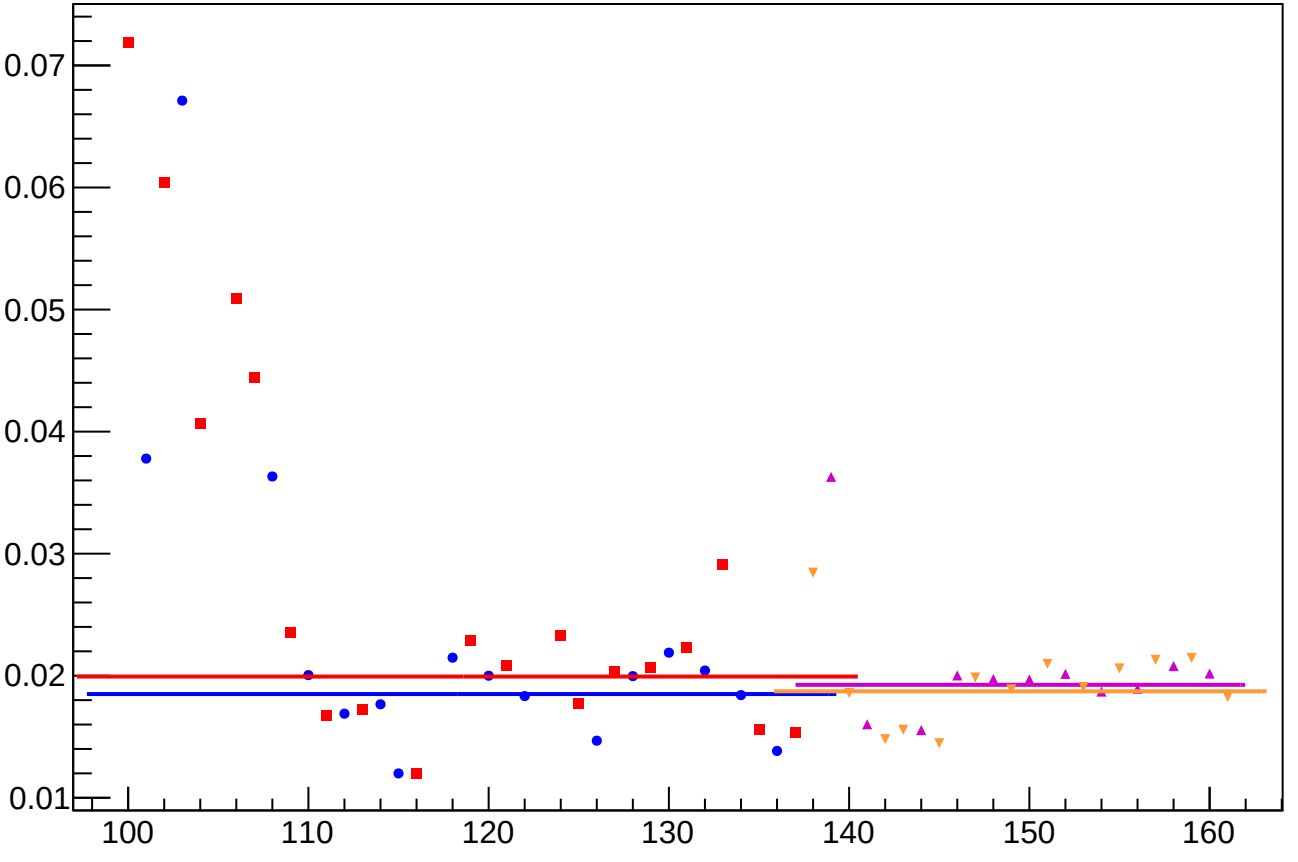
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.270+/-0.000 χ^2/NDF:724820893.6/26

Out: -0.288+/-0.000 χ^2/NDF:703576659.0/31

All: -0.279+/-0.000 χ^2/NDF: 1434126602.4/5

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:422839.3/12

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:516234.0/10

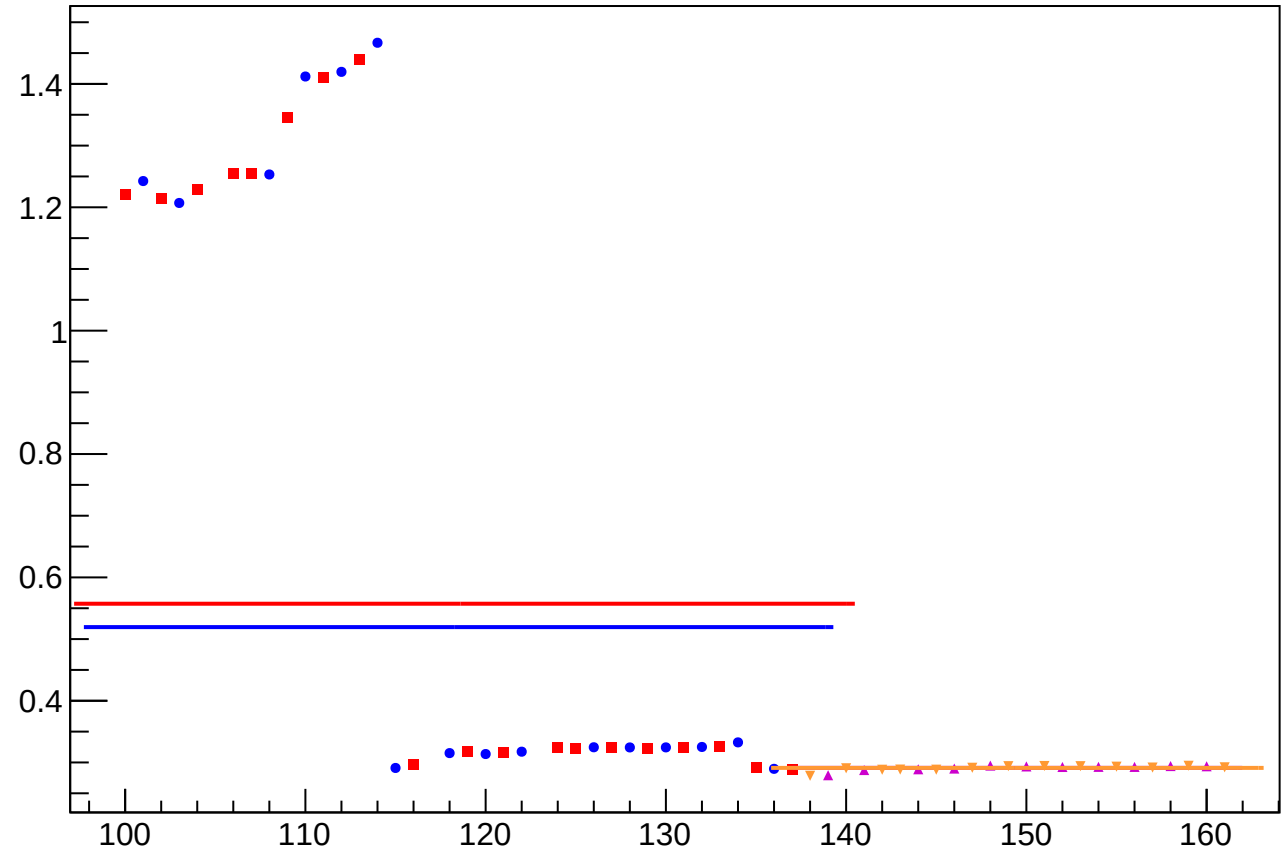
Left: 0.019+/-0.000 χ^2/NDF: 945133.6/23

Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1898631.7/26

Out: 0.019+/-0.000 χ^2/NDF:1995427.5/31

All: 0.019+/-0.000 χ^2/NDF: 3896232.0/58



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1131658.9/12

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1167400.4/10

Left: 0.291+/-0.000 χ^2/NDF: 2299100.9/23

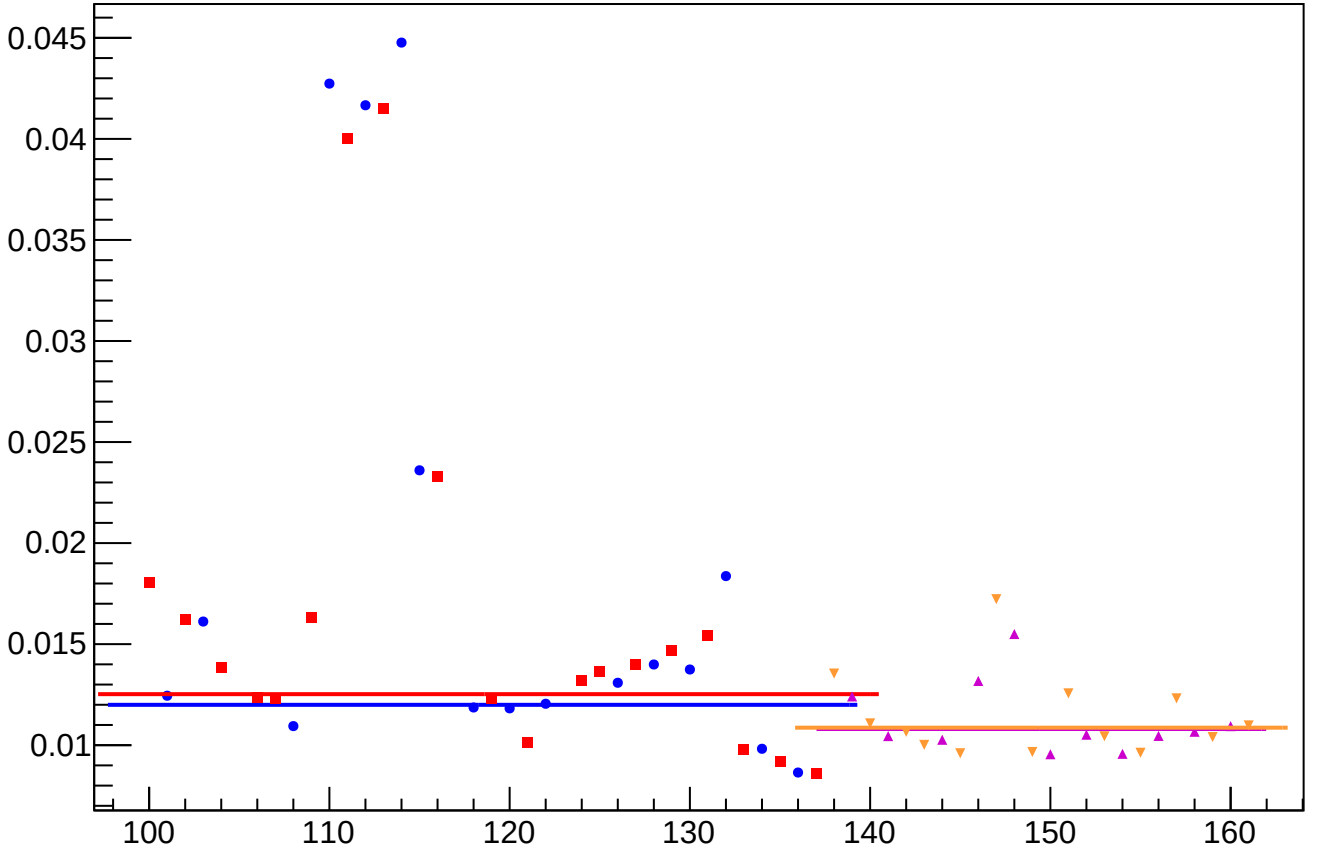
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.371+/-0.000 χ^2/NDF:7726340079.5/26

Out: 0.377+/-0.000 χ^2/NDF:8622201920.7/31

All: 0.374+/-0.000 χ^2/NDF: 16350843354.9/5

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:423813.7/12

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:296258.8/10

Left: 0.011+/-0.000 χ^2/NDF: 720413.9/23

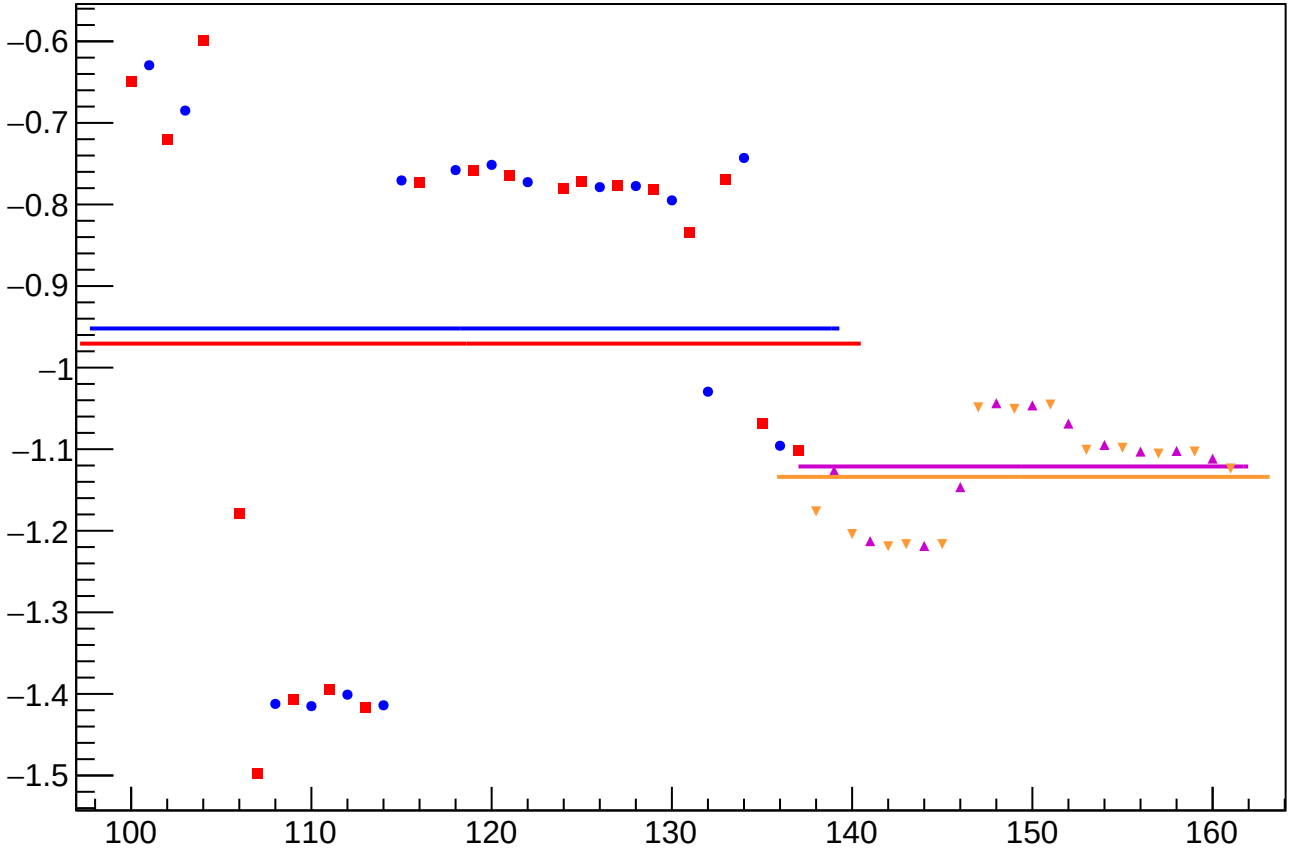
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1865151.6/26

Out: 0.011+/-0.000 χ^2/NDF:2003742.0/31

All: 0.011+/-0.000 χ^2/NDF: 3872913.5/58

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.134+/-0.000 χ^2/NDF:96234191.5/12

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.121+/-0.000 χ^2/NDF:71333949.1/10

Left: -1.128+/-0.000 χ^2/NDF: 169251818.4/23

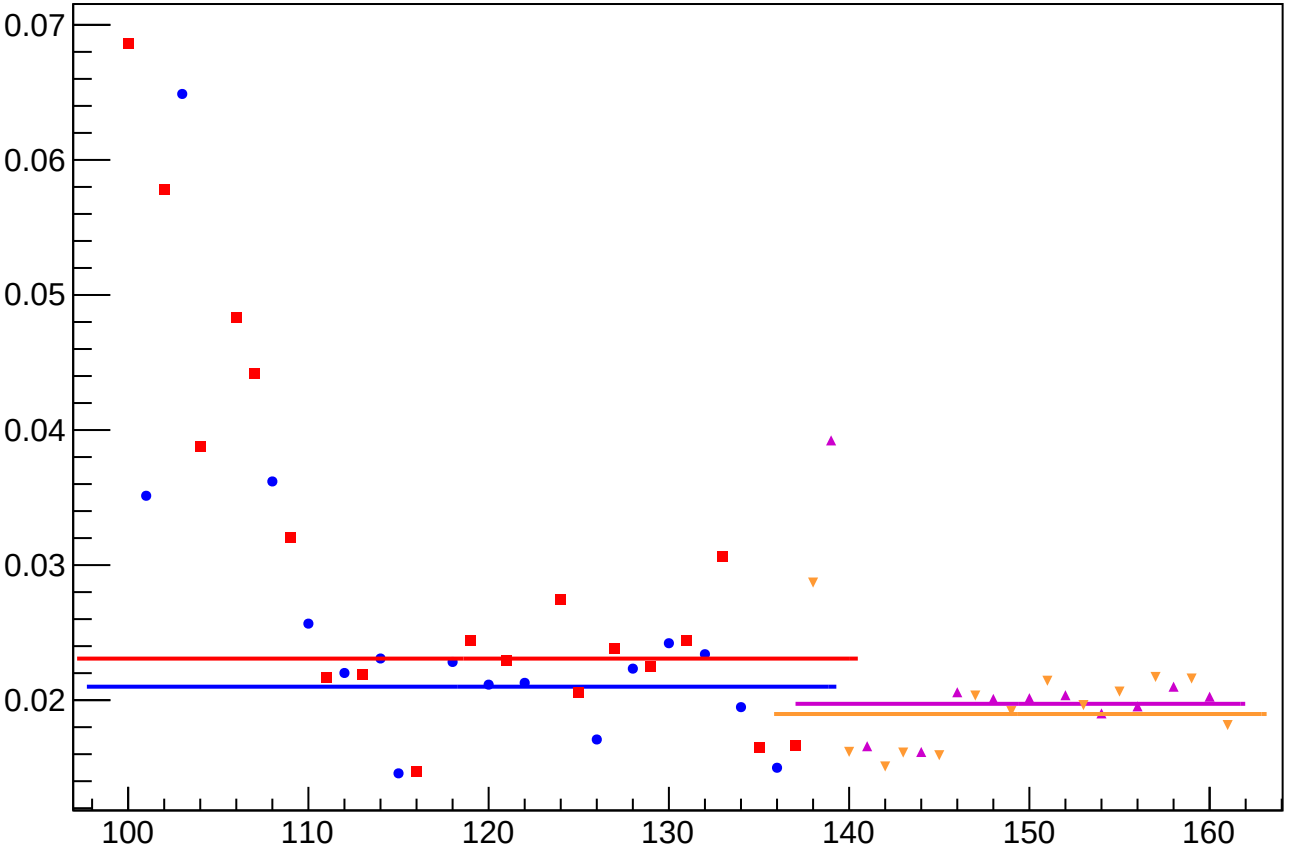
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.056+/-0.000 χ^2/NDF:984458283.1/26

Out: -1.082+/-0.000 χ^2/NDF:1000539038.2/31

All: -1.069+/-0.000 χ^2/NDF: 1995747786.5/5

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:382049.0/12

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:536651.4/10

Left: 0.019+/-0.000 χ^2/NDF: 930510.1/23

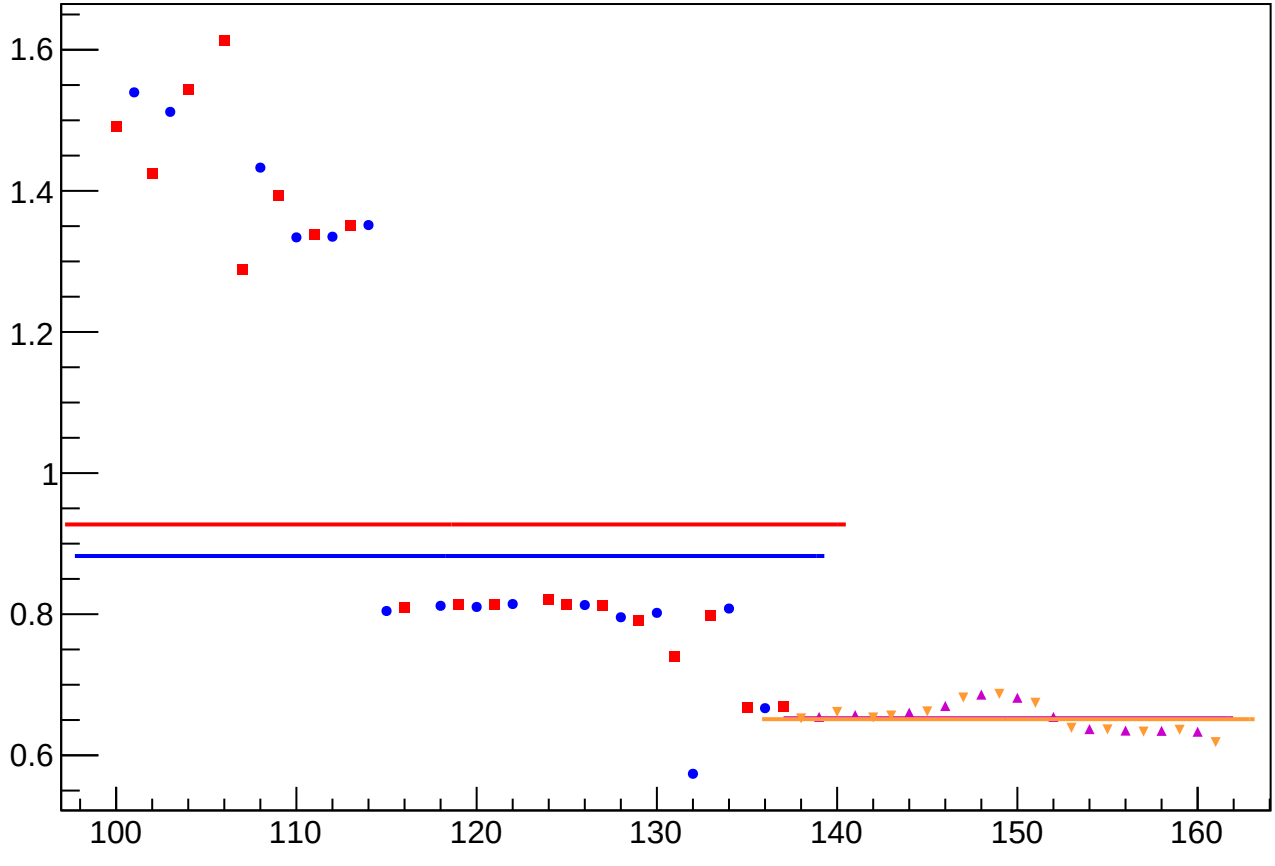
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1727667.1/26

Out: 0.020+/-0.000 χ^2/NDF:1902839.2/31

All: 0.020+/-0.000 χ^2/NDF: 3630637.7/58

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.651+/-0.000 χ^2/NDF:22200022.2/12

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.653+/-0.000 χ^2/NDF:15534776.4/10

Left: 0.652+/-0.000 χ^2/NDF: 37791431.8/23

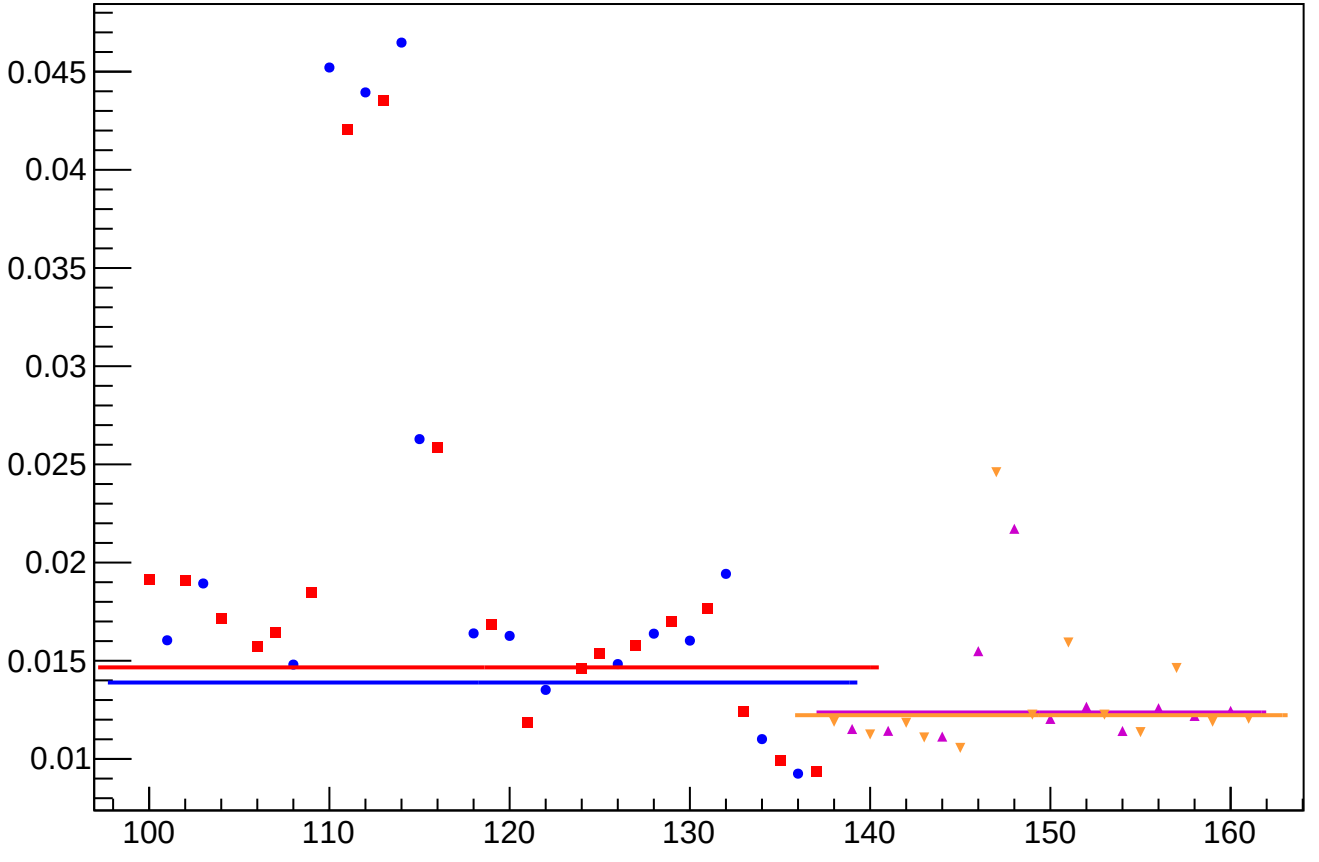
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.731+/-0.000 χ^2/NDF:3866662918.1/26

Out: 0.736+/-0.000 χ^2/NDF:4306090314.5/31

All: 0.734+/-0.000 χ^2/NDF: 8173847326.3/58

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:608384.6/12

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412758.2/10

Left: 0.012+/-0.000 χ^2/NDF: 1022327.2/23

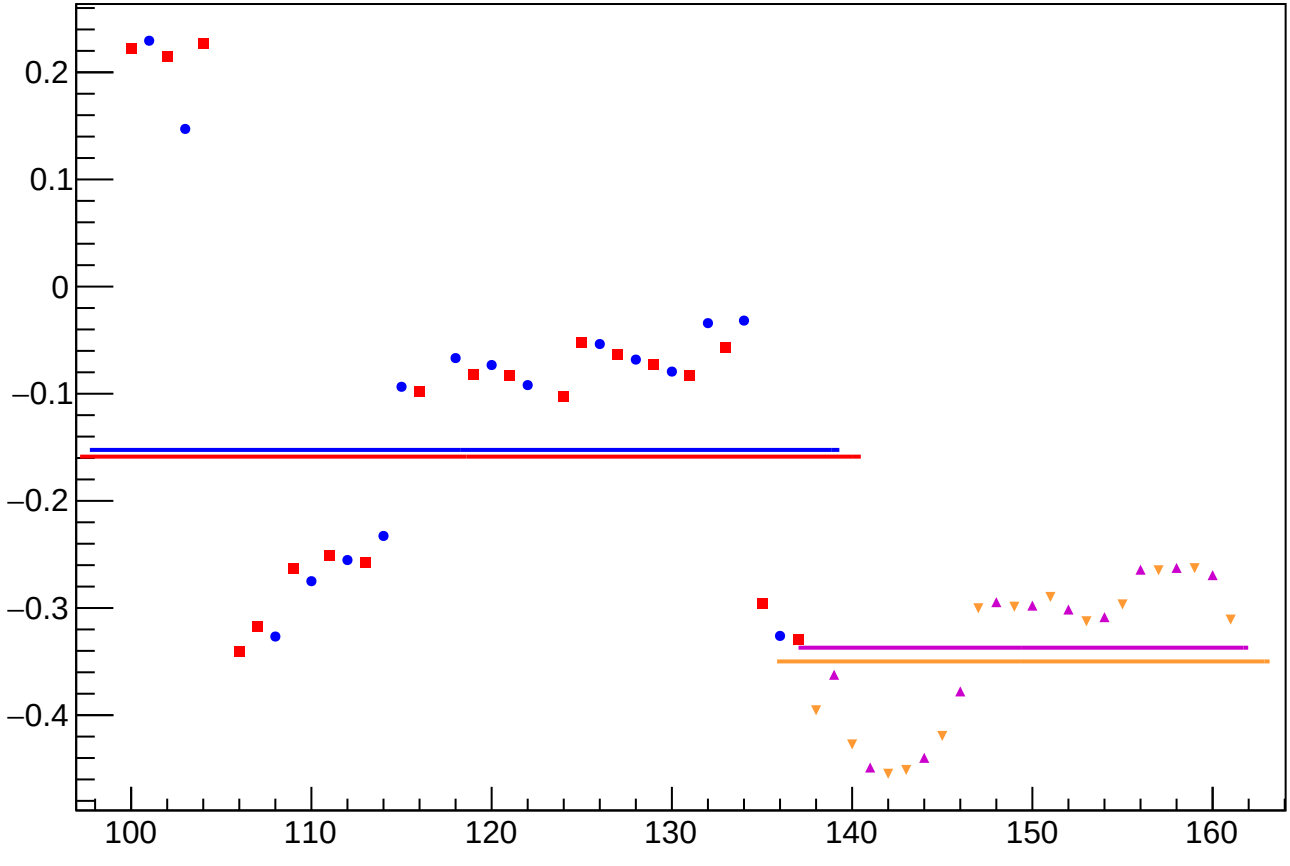
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2153350.3/26

Out: 0.013+/-0.000 χ^2/NDF:2312134.2/31

All: 0.013+/-0.000 χ^2/NDF: 4466209.5/58

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.350+/-0.000 χ^2/NDF:114509460.2/12

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.337+/-0.000 χ^2/NDF:99290838.3/10

Left: -0.344+/-0.000 χ^2/NDF: 215560138.6/23

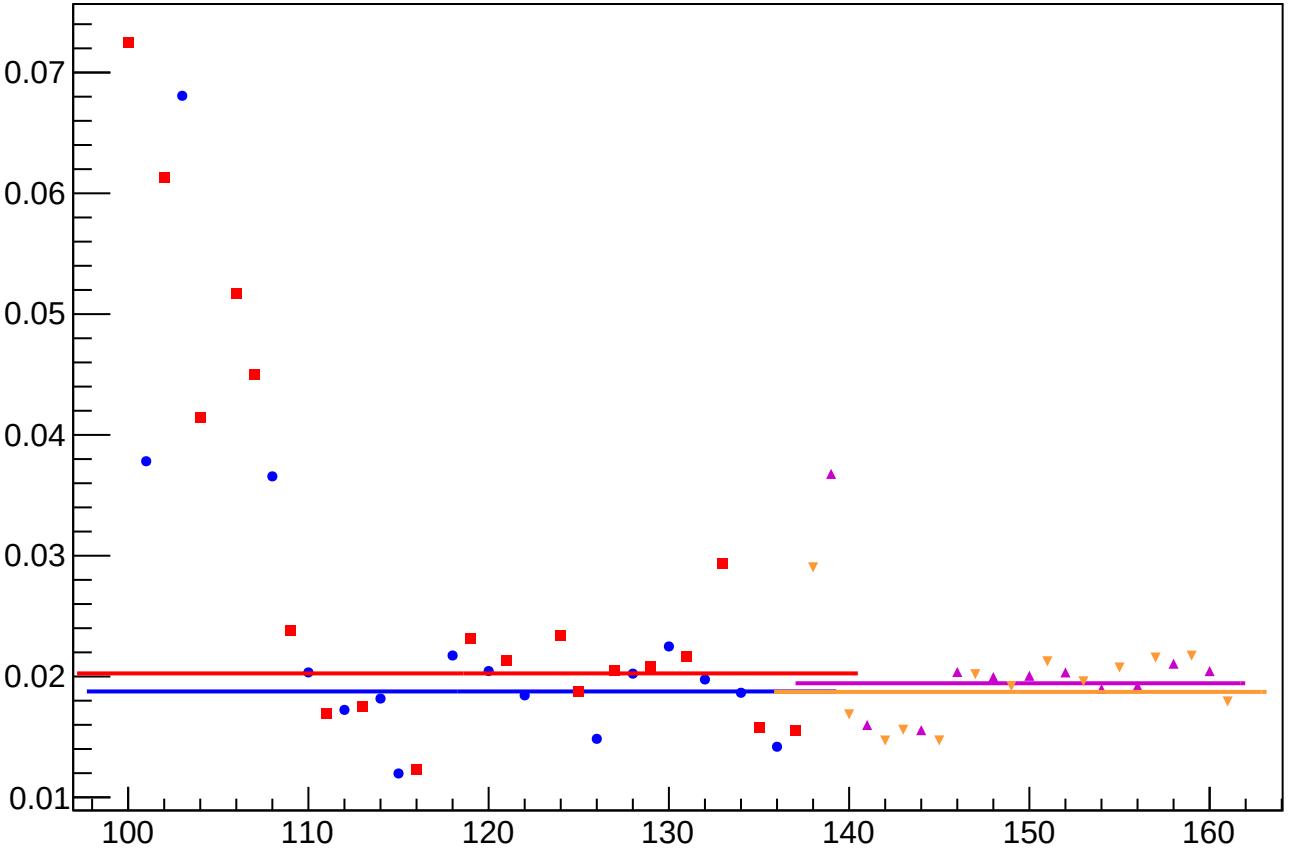
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.258+/-0.000 χ^2/NDF:666113813.9/26

Out: -0.280+/-0.000 χ^2/NDF:617572718.4/31

All: -0.269+/-0.000 χ^2/NDF: 1292192749.2/5

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:460993.7/12

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:534954.3/10

Left: 0.019+/-0.000 χ^2/NDF: 1006908.8/23

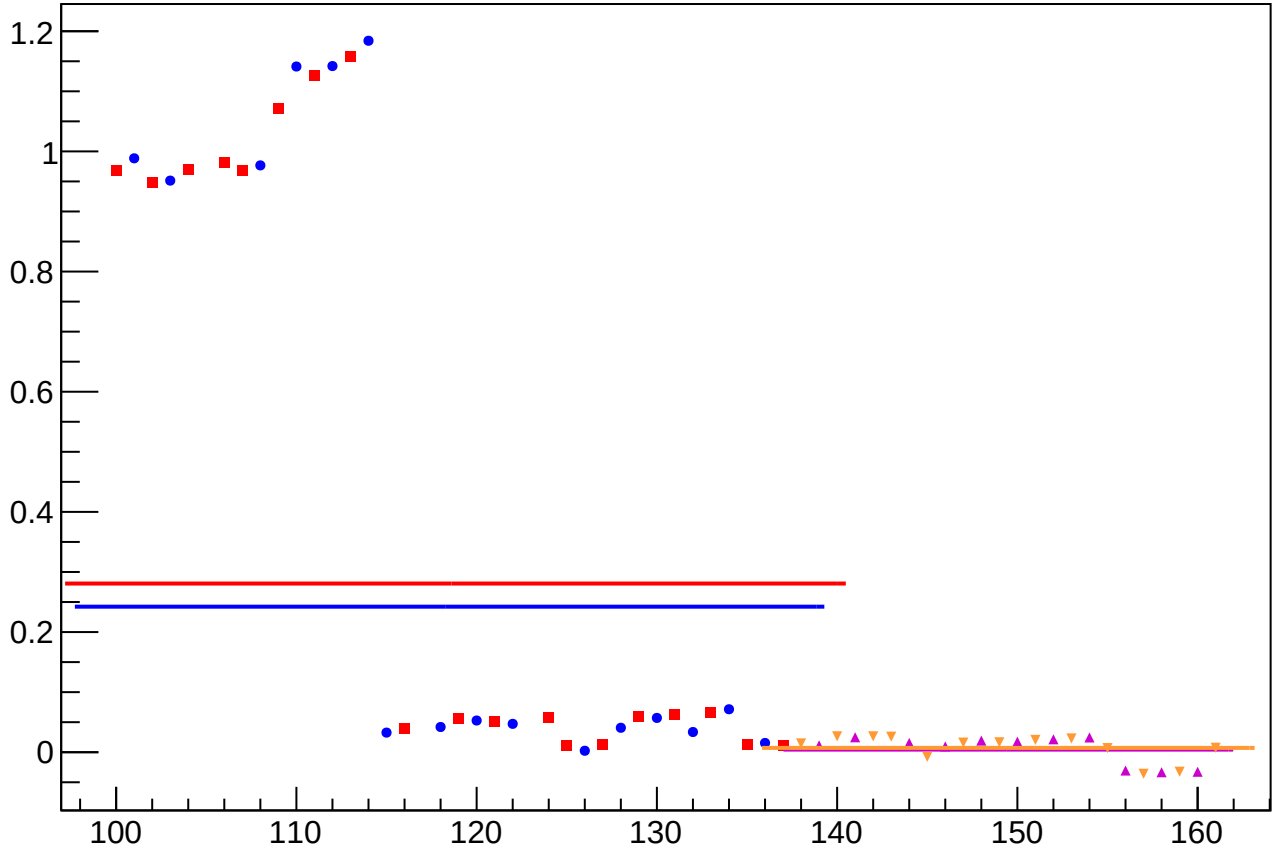
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1892226.3/26

Out: 0.019+/-0.000 χ^2/NDF:2030042.4/31

All: 0.019+/-0.000 χ^2/NDF: 3922910.2/58

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:35506907.1/12

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.004+/-0.000 χ^2/NDF:43484416.2/10

Left: 0.006+/-0.000 χ^2/NDF: 79330864.3/23

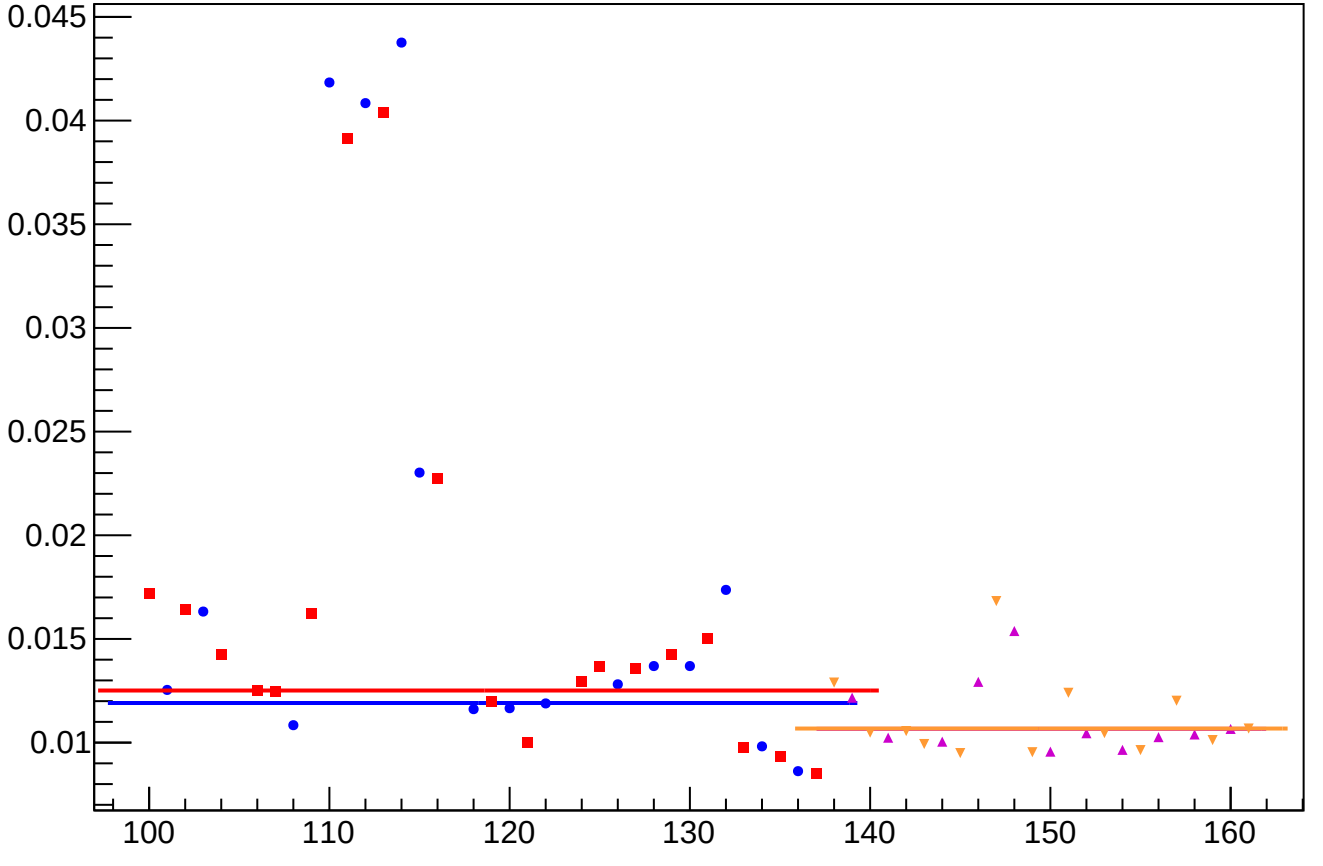
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.087+/-0.000 χ^2/NDF:8109830514.7/26

Out: 0.093+/-0.000 χ^2/NDF:8801942524.8/31

All: 0.090+/-0.000 χ^2/NDF: 16914524822.7/5

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:388703.7/12

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.9/10

Left: 0.011+/-0.000 χ^2/NDF: 670627.0/23

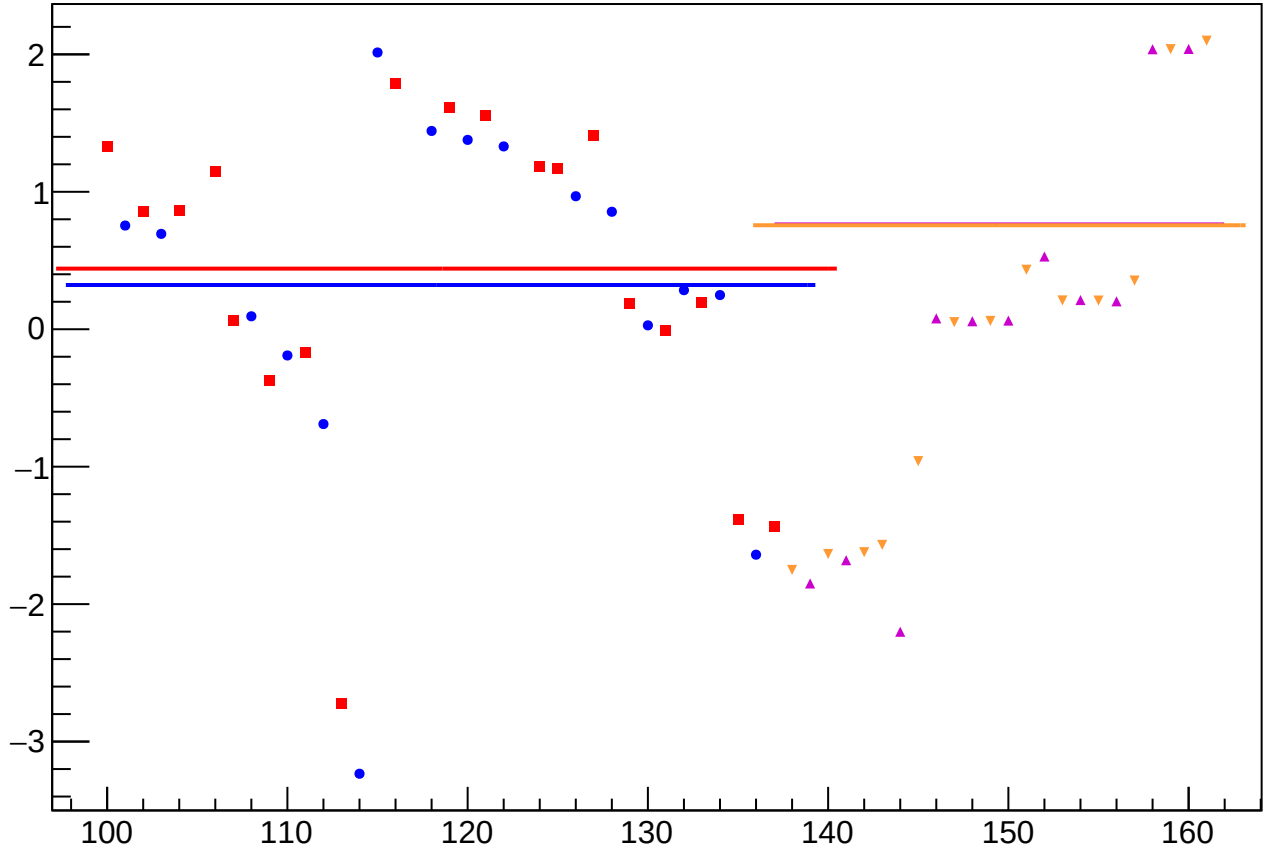
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1827084.7/26

Out: 0.011+/-0.000 χ^2/NDF:1961730.1/31

All: 0.011+/-0.000 χ^2/NDF: 3792037.8/58

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.757+/-0.000 χ^2/NDF:20782183569.3/12

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.763+/-0.000 χ^2/NDF:23099386846.3/10

Left: 0.760+/-0.000 χ^2/NDF: 43882022125.4/23

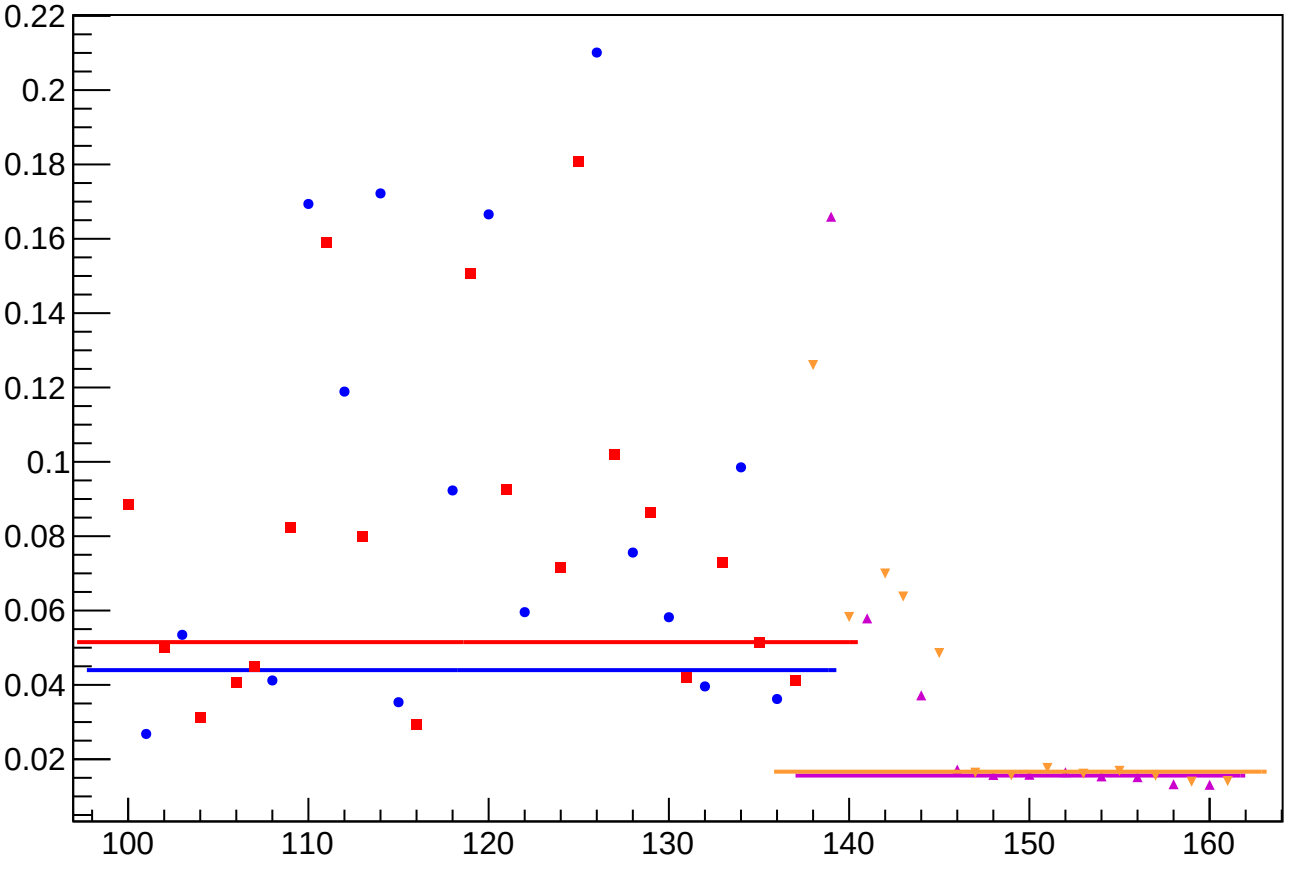
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.732+/-0.000 χ^2/NDF:25122757930.2/26

Out: 0.737+/-0.000 χ^2/NDF:22732405181.7/31

All: 0.734+/-0.000 χ^2/NDF: 47855512023.7/5

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2828772.6/12

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2114092.0/10

Left: 0.016+/-0.000 χ^2/NDF: 4970573.3/23

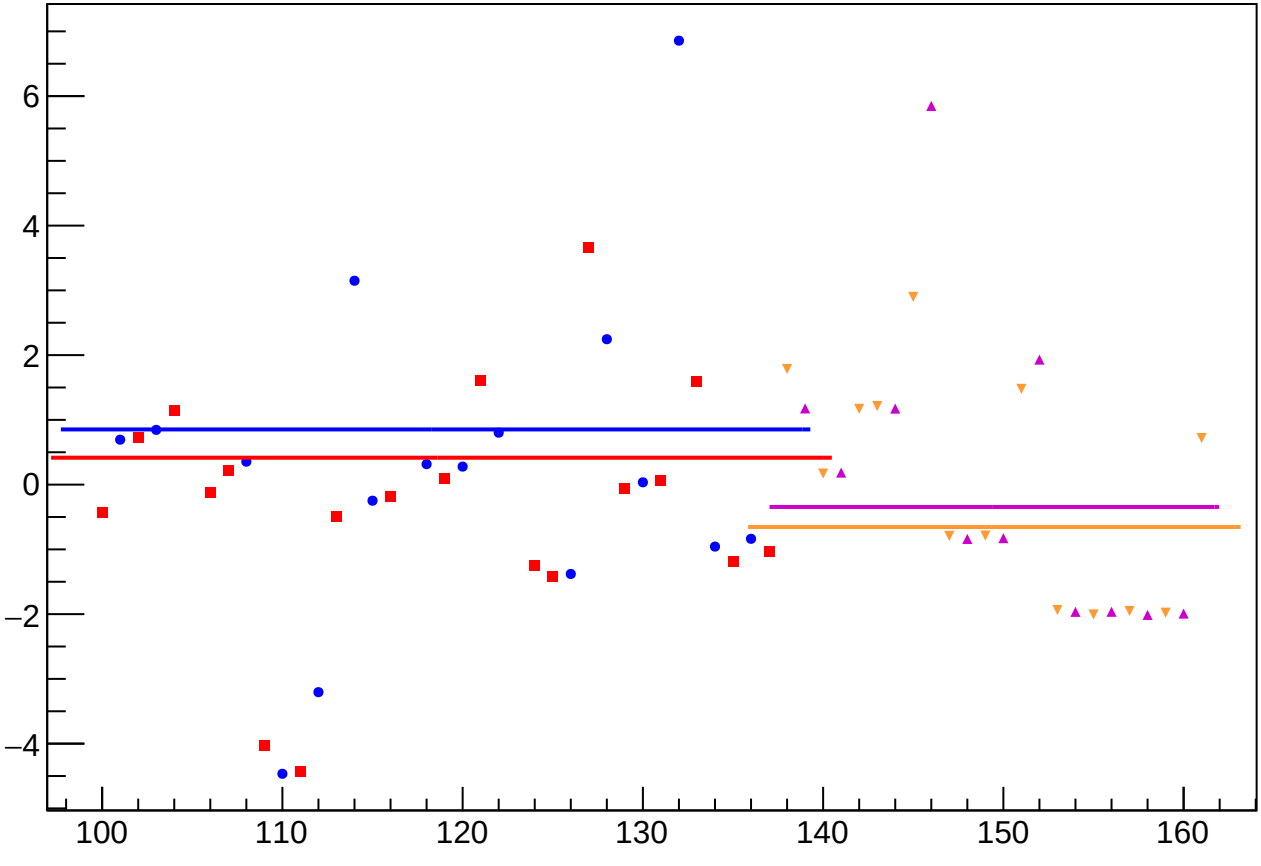
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.018+/-0.000 χ^2/NDF:7869850.1/26

Out: 0.019+/-0.000 χ^2/NDF:8940529.9/31

All: 0.018+/-0.000 χ^2/NDF: 16853100.3/58

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.654+/-0.000 χ^2/NDF:100335522231.9/12

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: -0.345+/-0.000 χ^2/NDF:255182636685.8/10

Left: -0.498+/-0.000 χ^2/NDF: 357307463391.2/23

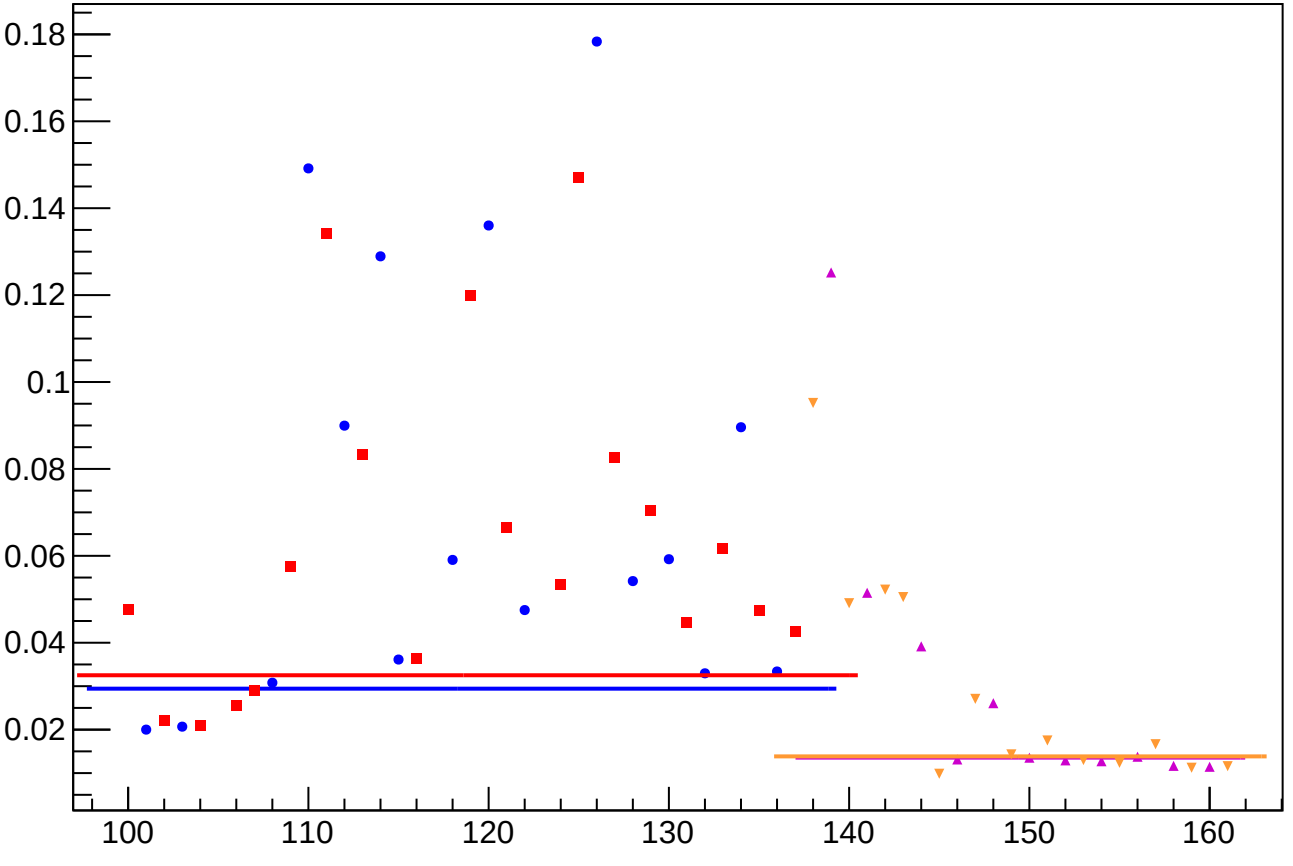
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: -0.224+/-0.000 χ^2/NDF:272246942637.6/26

Out: -0.552+/-0.000 χ^2/NDF:109498795688.8/31

All: -0.385+/-0.000 χ^2/NDF: 383981308650.6

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:2979159.4/12

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.014+/-0.000 χ^2/NDF:2586361.0/10

Left: 0.014+/-0.000 χ^2/NDF: 5568534.0/23

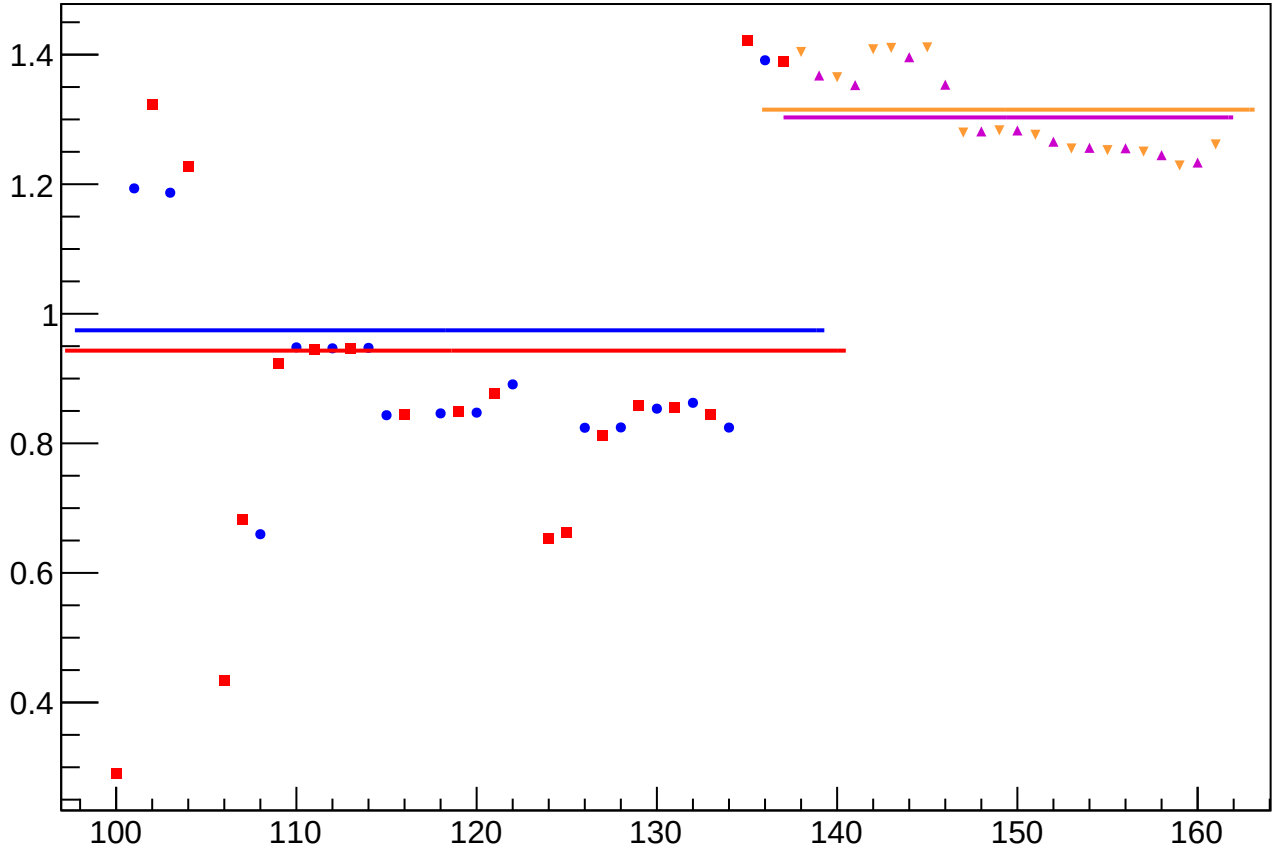
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.015+/-0.000 χ^2/NDF:7706626.5/26

Out: 0.016+/-0.000 χ^2/NDF:8755455.9/31

All: 0.015+/-0.000 χ^2/NDF: 16470882.9/58

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.315+/-0.000 χ^2/NDF:234789646.8/12

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.303+/-0.000 χ^2/NDF:139591147.3/10

Left: 1.309+/-0.000 χ^2/NDF: 377850072.2/23

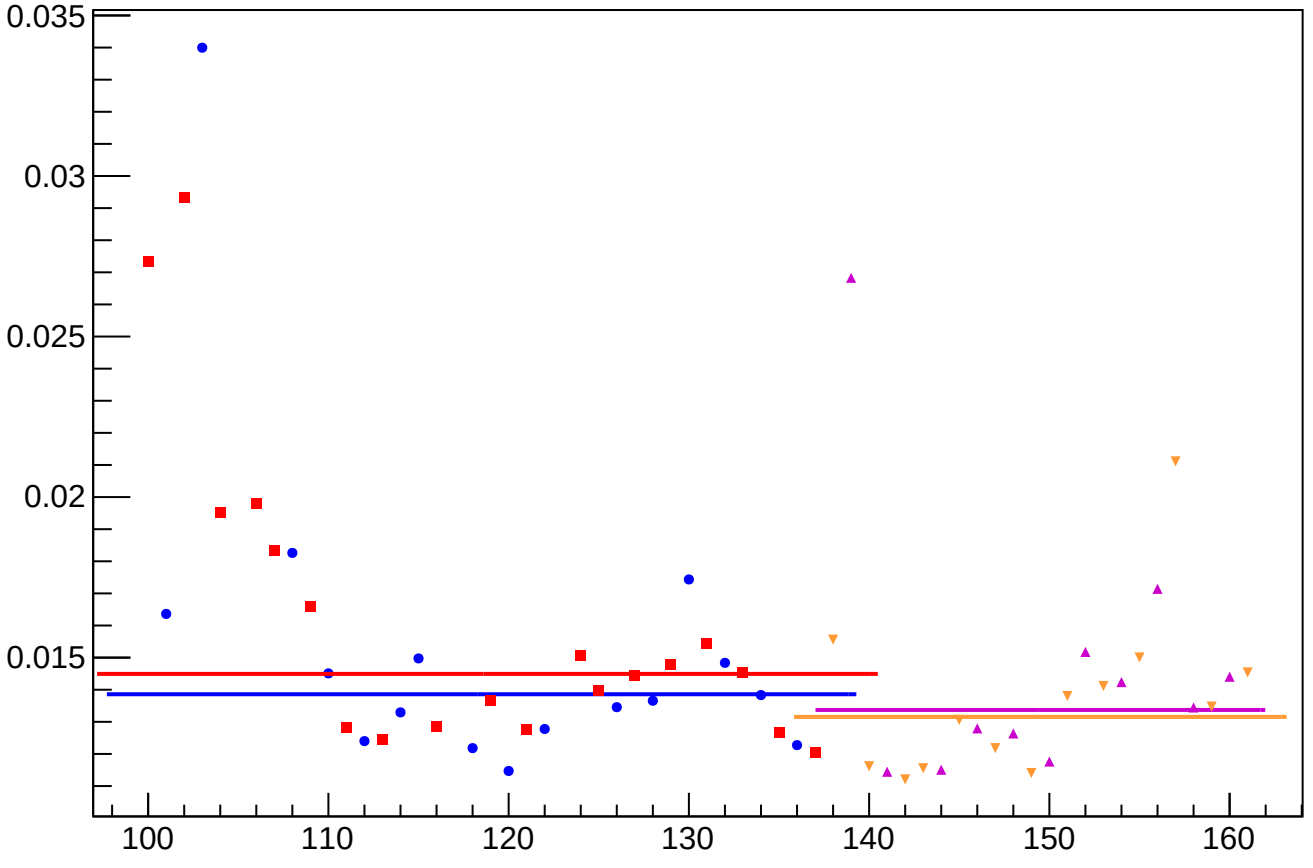
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.168+/-0.000 χ^2/NDF:3653538290.3/26

Out: 1.176+/-0.000 χ^2/NDF:4544536410.6/31

All: 1.172+/-0.000 χ^2/NDF: 8200538042.4/58

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:379027.8/12

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:634629.0/10

Left: 0.013+/-0.000 χ^2/NDF: 1015935.9/23

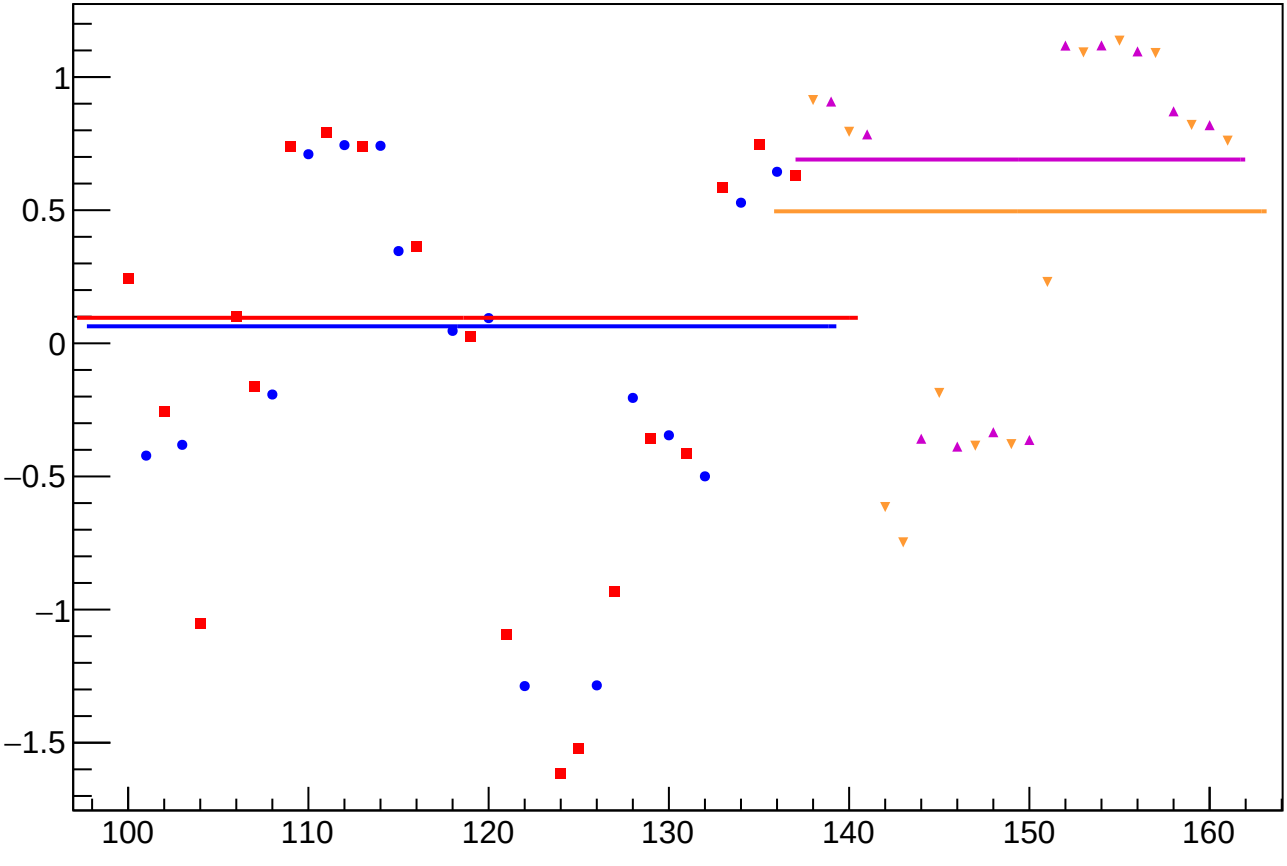
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1243682.0/26

Out: 0.014+/-0.000 χ^2/NDF:991780.9/31

All: 0.014+/-0.000 χ^2/NDF: 2236029.2/58

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.496+/-0.000 χ^2/NDF:26109974171.0/12

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.690+/-0.000 χ^2/NDF:17362862543.9/10

Left: 0.593+/-0.000 χ^2/NDF: 44731370355.9/23

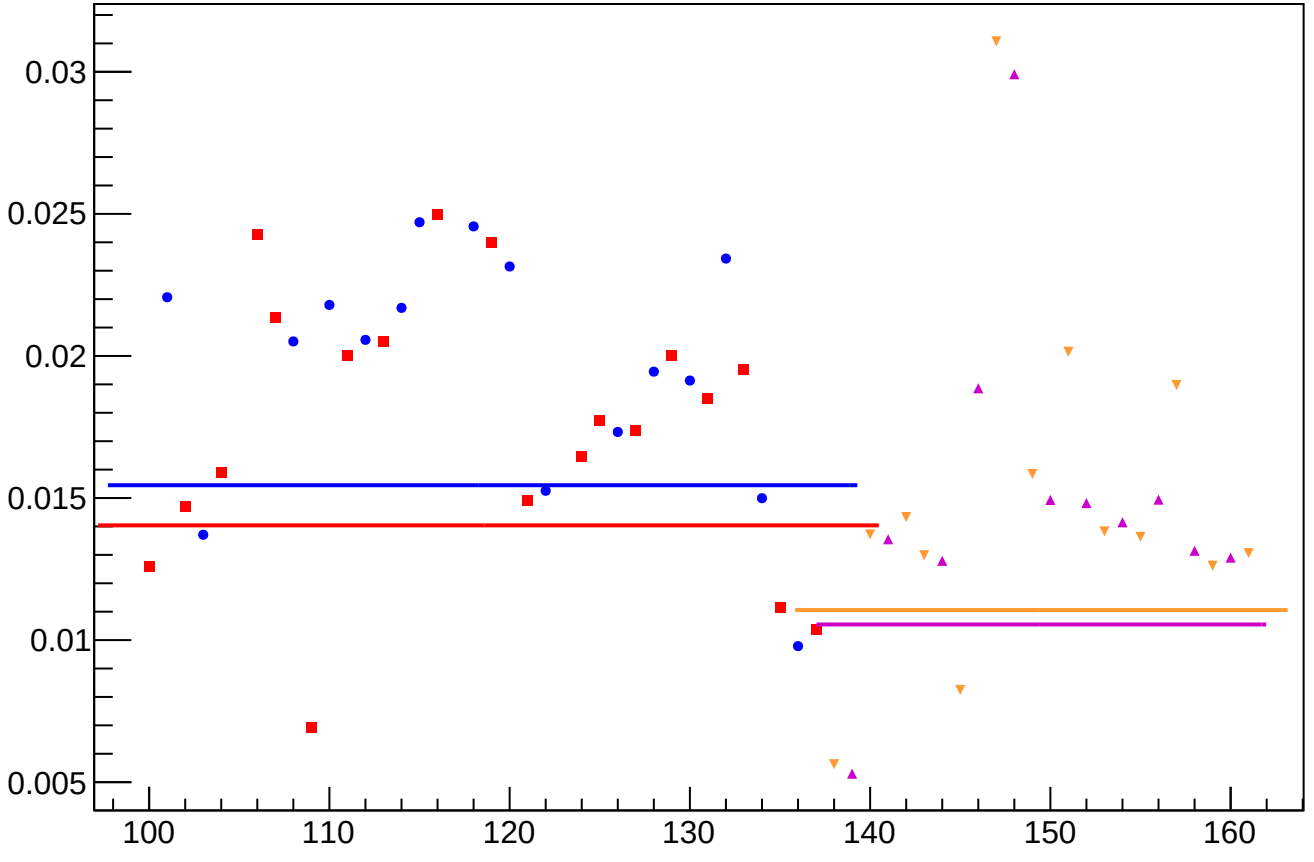
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.518+/-0.000 χ^2/NDF:35561391285.7/26

Out: 0.372+/-0.000 χ^2/NDF:47189995287.4/31

All: 0.443+/-0.000 χ^2/NDF: 83756924947.9/5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2999924.6/12

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3312799.7/10

Left: 0.011+/-0.000 χ^2/NDF: 6329924.4/23

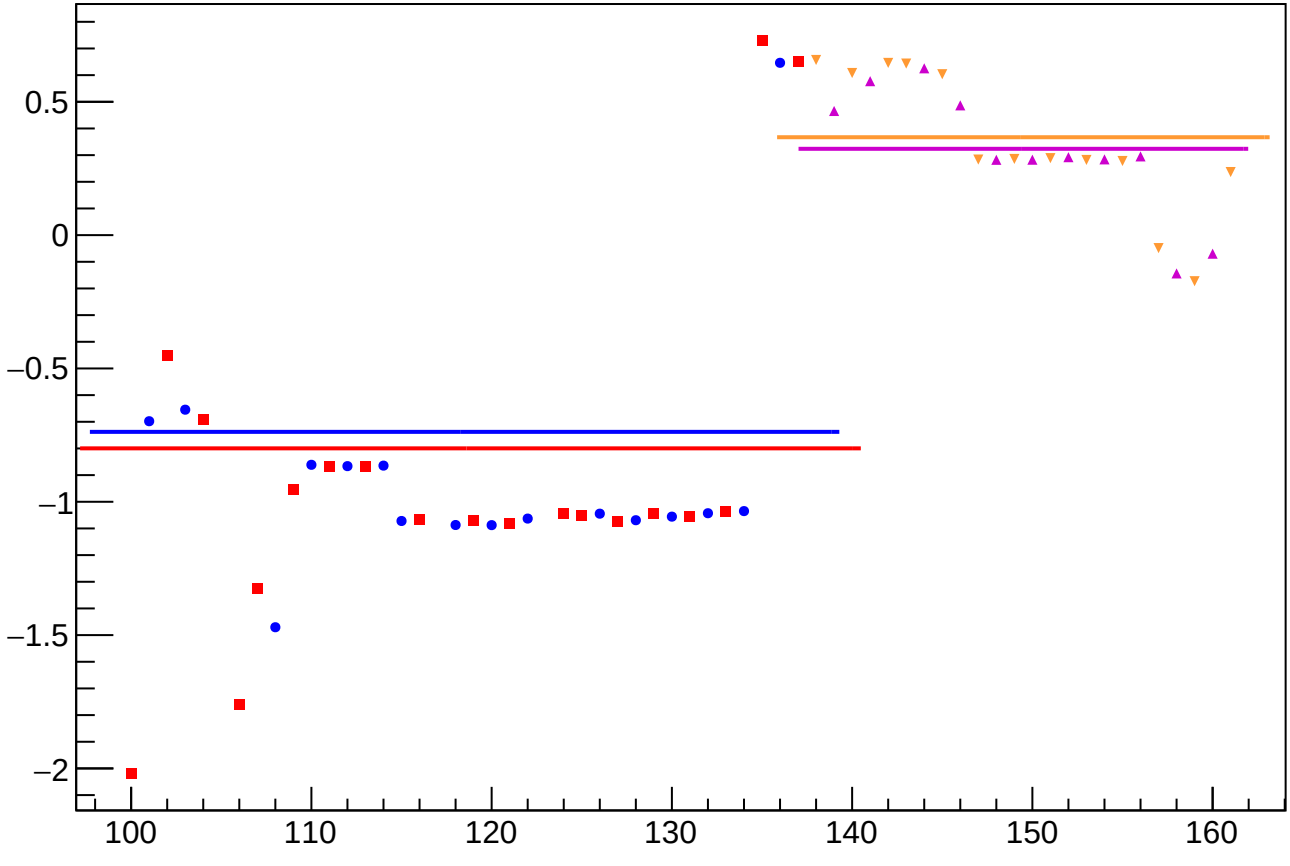
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5483514.5/26

Out: 0.012+/-0.000 χ^2/NDF:5052205.1/31

All: 0.012+/-0.000 χ^2/NDF: 10536395.5/58

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.367+/-0.000 χ^2/NDF:461832294.6/12

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.324+/-0.000 χ^2/NDF:392493959.8/10

Left: 0.347+/-0.000 χ^2/NDF: 861230895.8/23

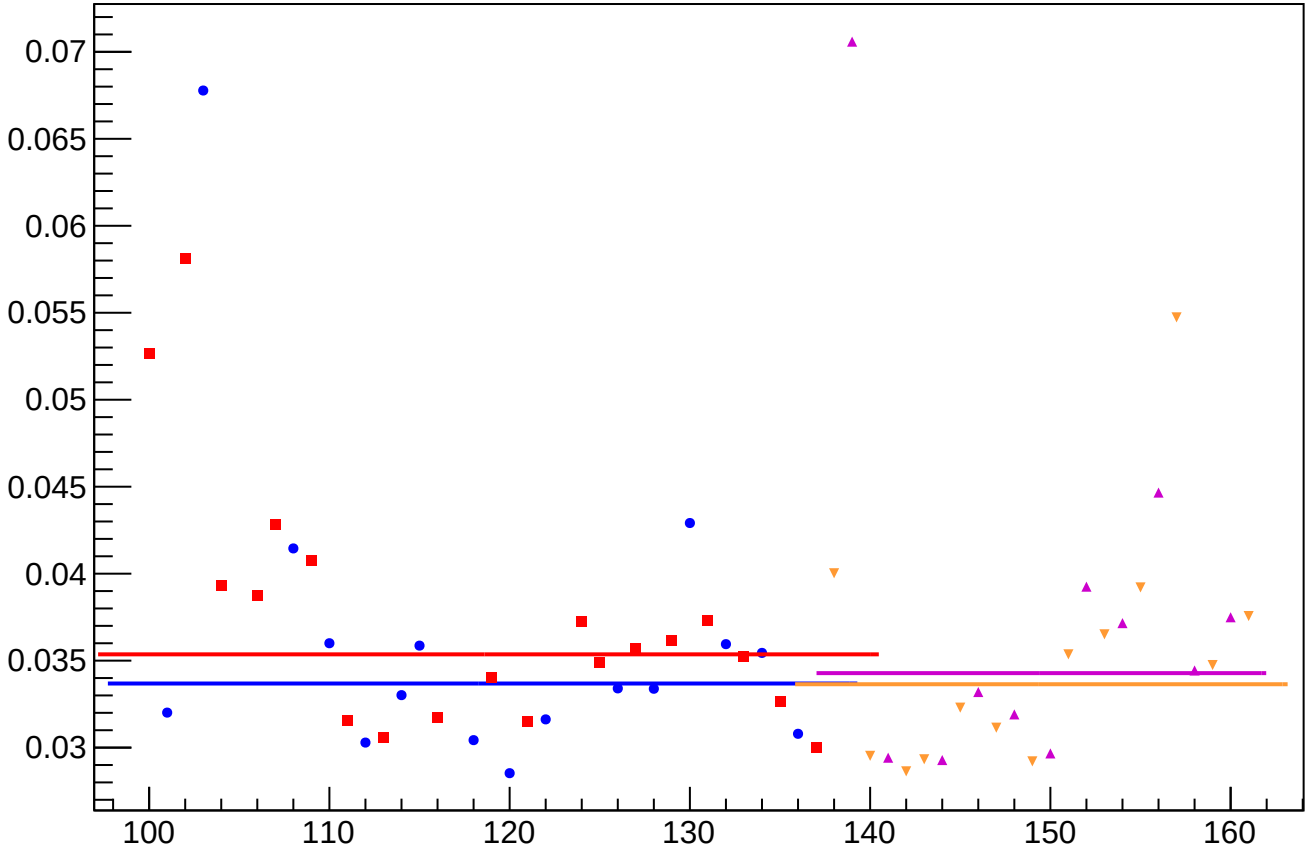
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.147+/-0.000 χ^2/NDF:5949252457.5/26

Out: -0.101+/-0.000 χ^2/NDF:6559679340.6/31

All: -0.124+/-0.000 χ^2/NDF: 12522154659.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:408253.1/12

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:685239.6/10

Left: 0.034+/-0.000 χ^2/NDF: 1096478.6/23

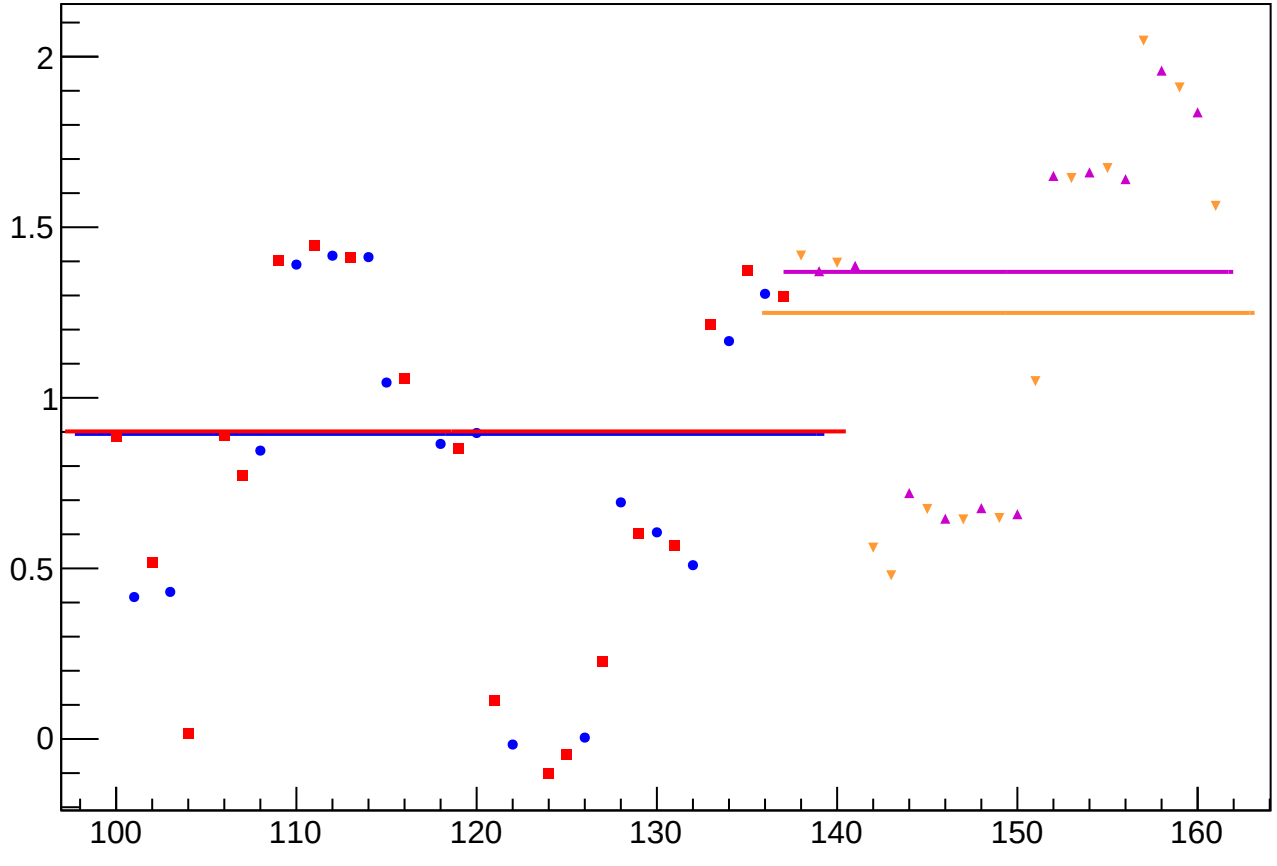
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1107671.1/26

Out: 0.034+/-0.000 χ^2/NDF:722888.6/31

All: 0.034+/-0.000 χ^2/NDF: 1831828.9/58

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.249+/-0.000 χ^2/NDF:29724812468.1/12

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.369+/-0.000 χ^2/NDF:21340097471.8/10

Left: 1.306+/-0.000 χ^2/NDF: 51847831257.1/23

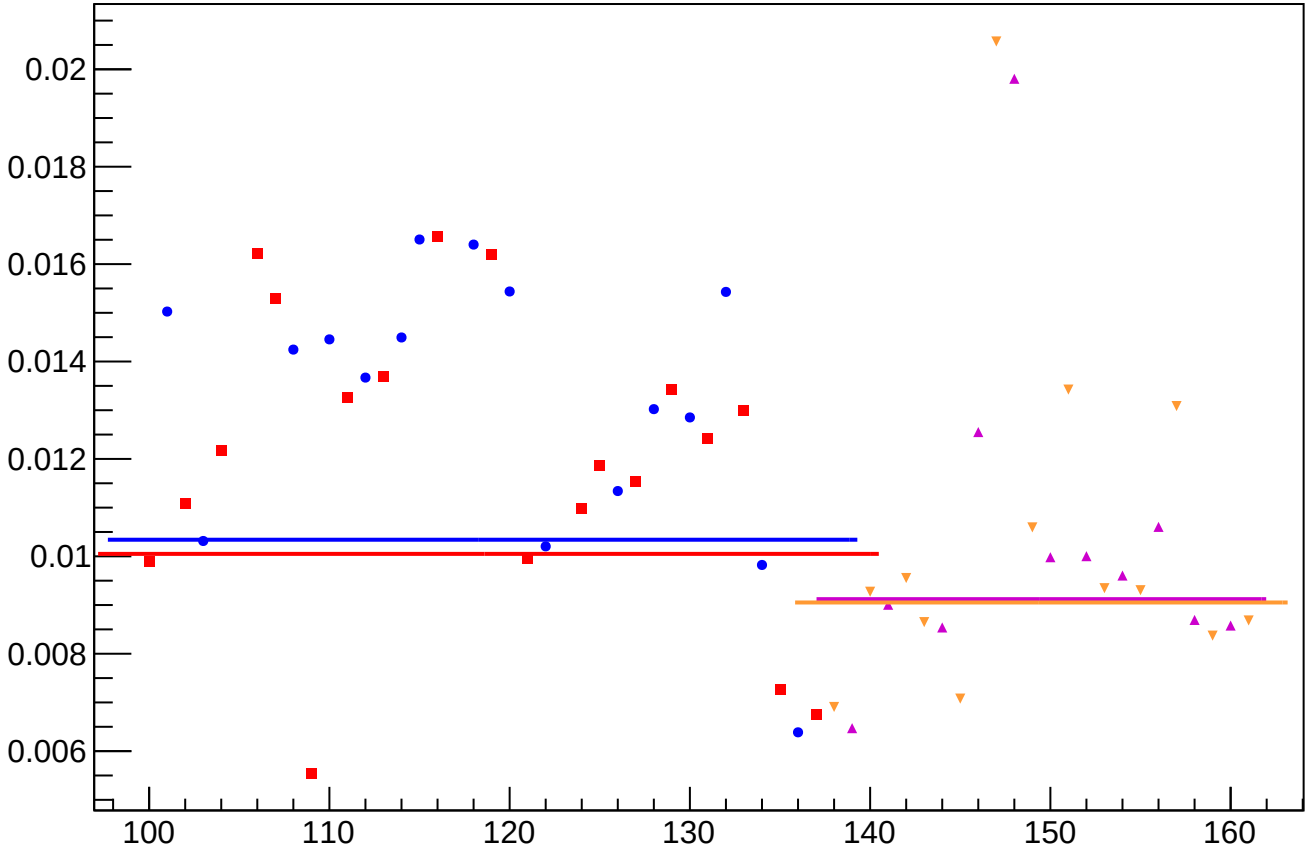
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.203+/-0.000 χ^2/NDF:42268899752.8/26

Out: 1.128+/-0.000 χ^2/NDF:52369001150.0/31

All: 1.164+/-0.000 χ^2/NDF: 95101553943.0/5

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1123032.2/12

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917001.6/10

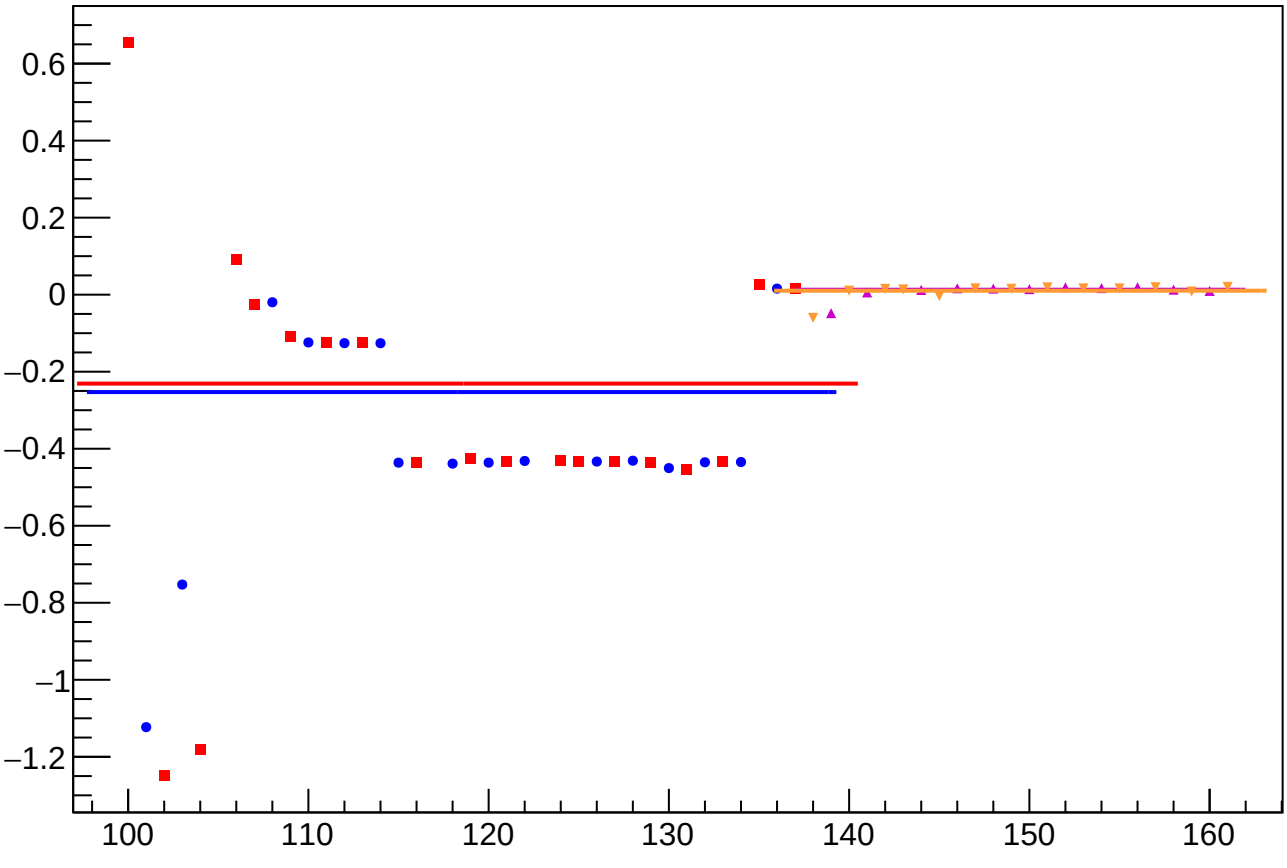
Left: 0.009+/-0.000 χ^2/NDF: 2040541.0/23

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

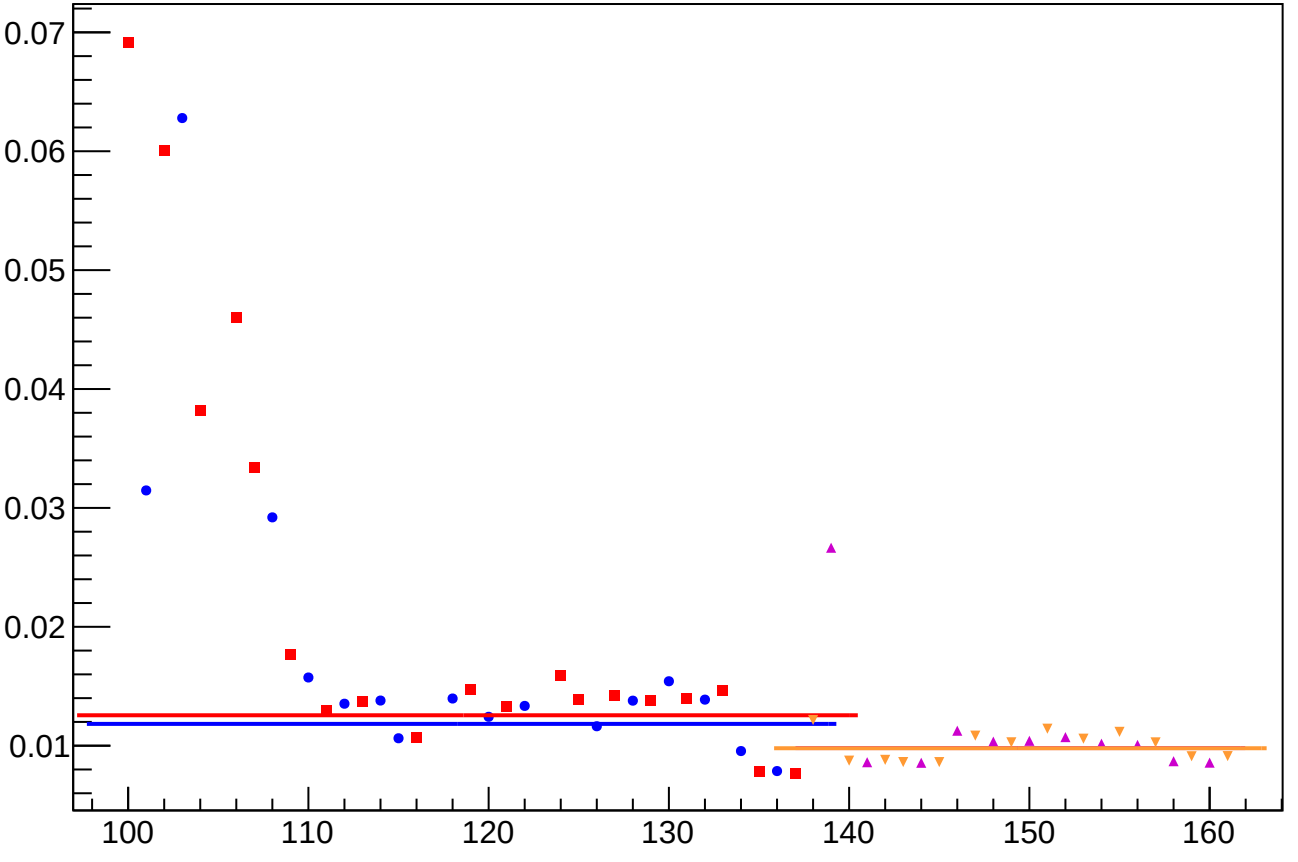
In: 0.010+/-0.000 χ^2/NDF:2375446.5/26

Out: 0.009+/-0.000 χ^2/NDF:2538294.0/31

All: 0.009+/-0.000 χ^2/NDF: 4917427.7/58


yield_bpm16X_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.253+/-0.000 χ²/NDF: 2025242410.1/15
Left Out: 0.010+/-0.000 χ²/NDF:22616489.9/12
Right Out: -0.231+/-0.000 χ²/NDF: 1808702536.0/18
Left In: 0.013+/-0.000 χ²/NDF:5713341.3/10
Left: 0.012+/-0.000 χ²/NDF: 28602532.9/23
Right: -0.243+/-0.000 χ²/NDF: 3842049612.8/34
In: -0.069+/-0.000 χ²/NDF:3768027556.1/26
Out: -0.053+/-0.000 χ²/NDF:3190368379.2/31
All: -0.061+/-0.000 χ²/NDF: 6972304440.3/5

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:209644.9/12

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:822327.0/10

Left: 0.010+/-0.000 χ^2/NDF: 1031991.7/23

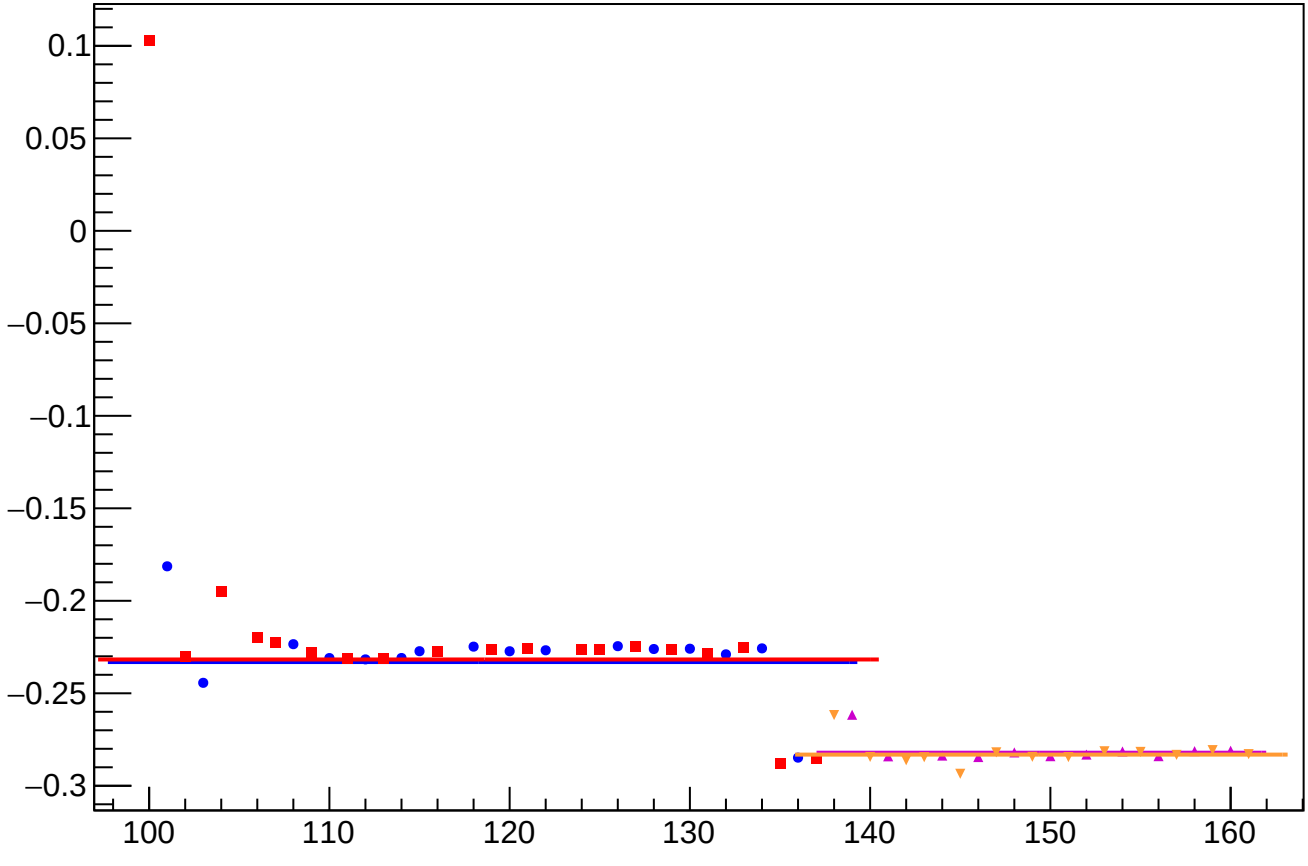
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:2968001.8/26

Out: 0.011+/-0.000 χ^2/NDF:2786280.2/31

All: 0.010+/-0.000 χ^2/NDF: 5755305.4/58

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14974327.5/12

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6303486.2/10

Left: -0.283+/-0.000 χ^2/NDF: 21467090.1/23

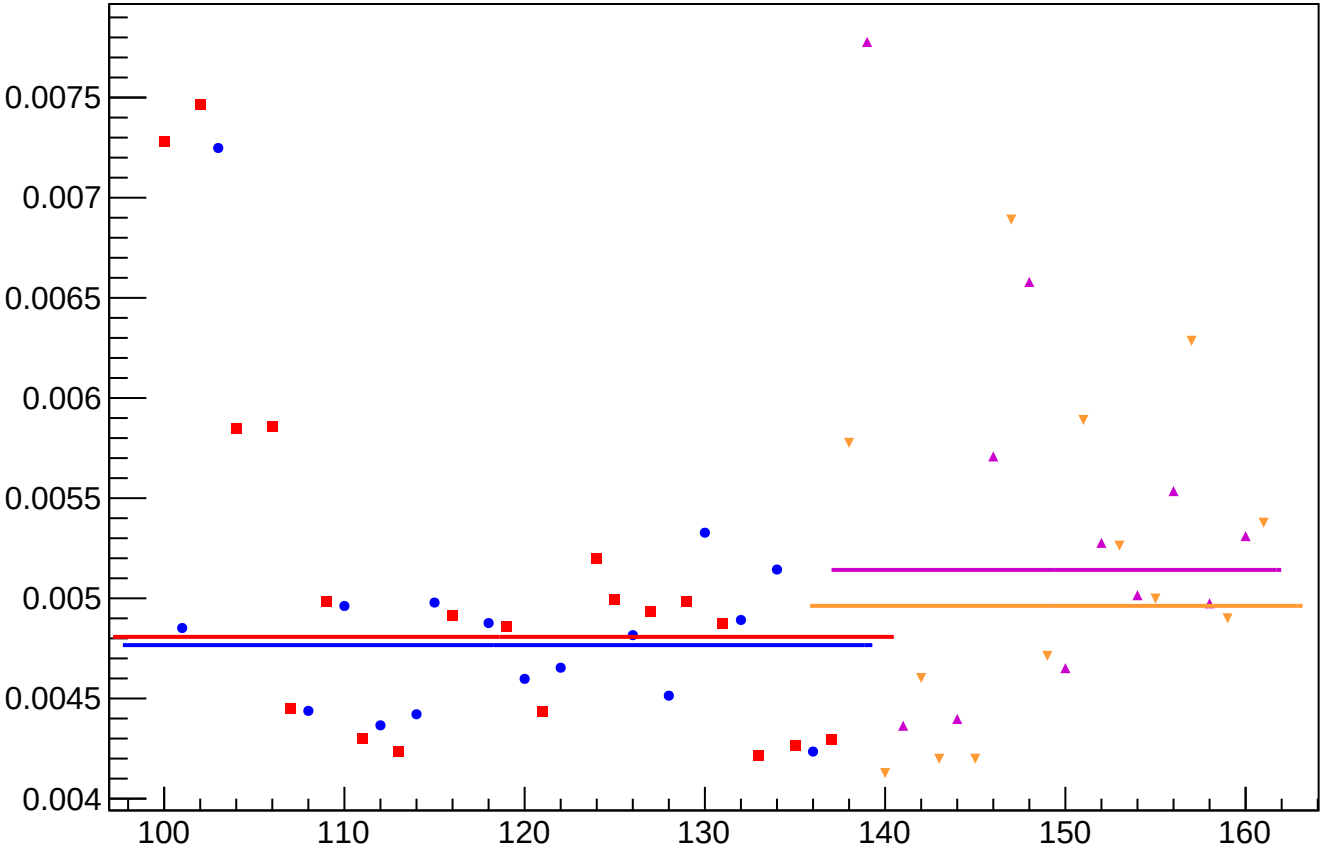
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.260+/-0.000 χ^2/NDF:573267268.1/26

Out: -0.261+/-0.000 χ^2/NDF:738767404.2/31

All: -0.260+/-0.000 χ^2/NDF: 1312651124.3/5

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:438935.9/12

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:406967.6/10

Left: 0.005+/-0.000 χ^2/NDF: 857381.8/23

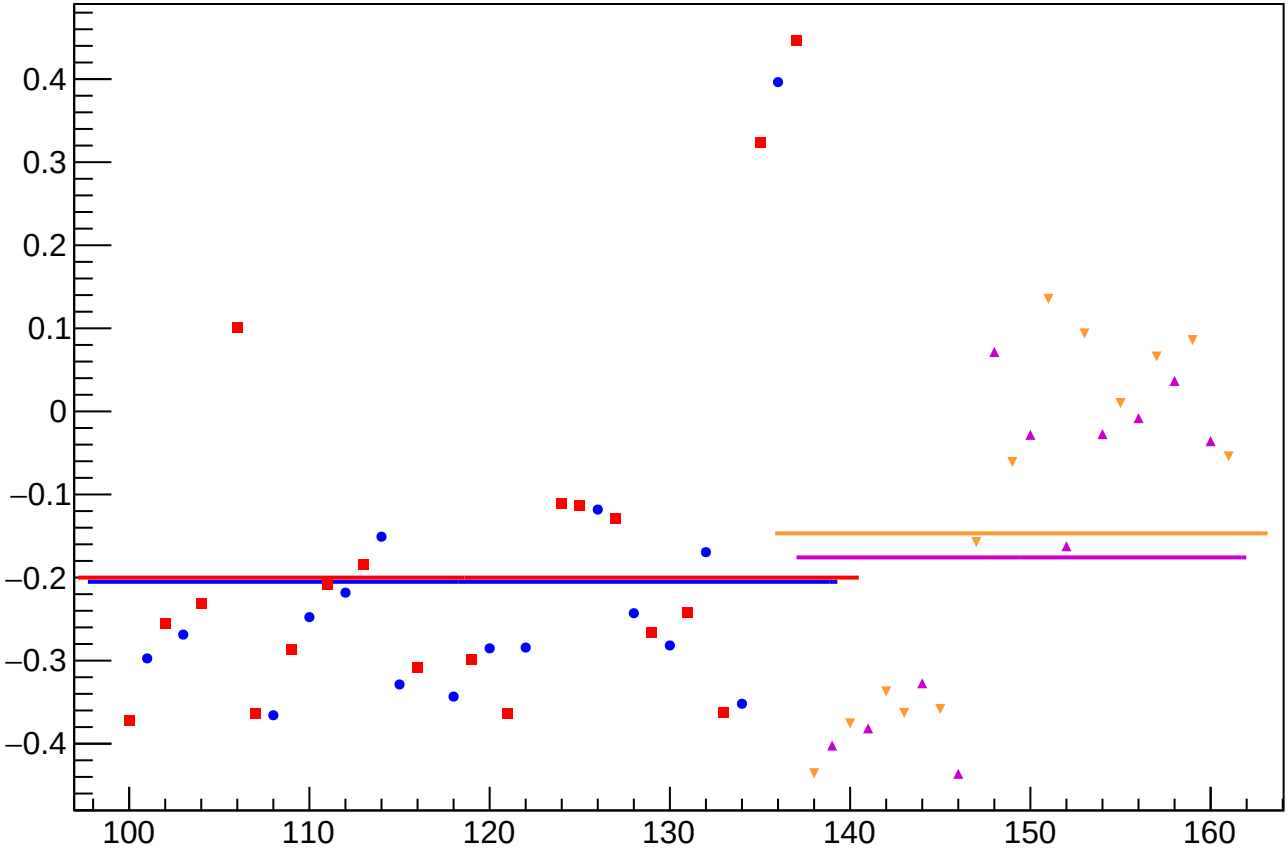
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:641917.5/26

Out: 0.005+/-0.000 χ^2/NDF:740580.6/31

All: 0.005+/-0.000 χ^2/NDF: 1385987.2/58

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.147+/-0.000 χ^2/NDF:13720785593.6/12

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.176+/-0.000 χ^2/NDF:9014655212.8/10

Left: -0.160+/-0.000 χ^2/NDF: 22857219885.8/23

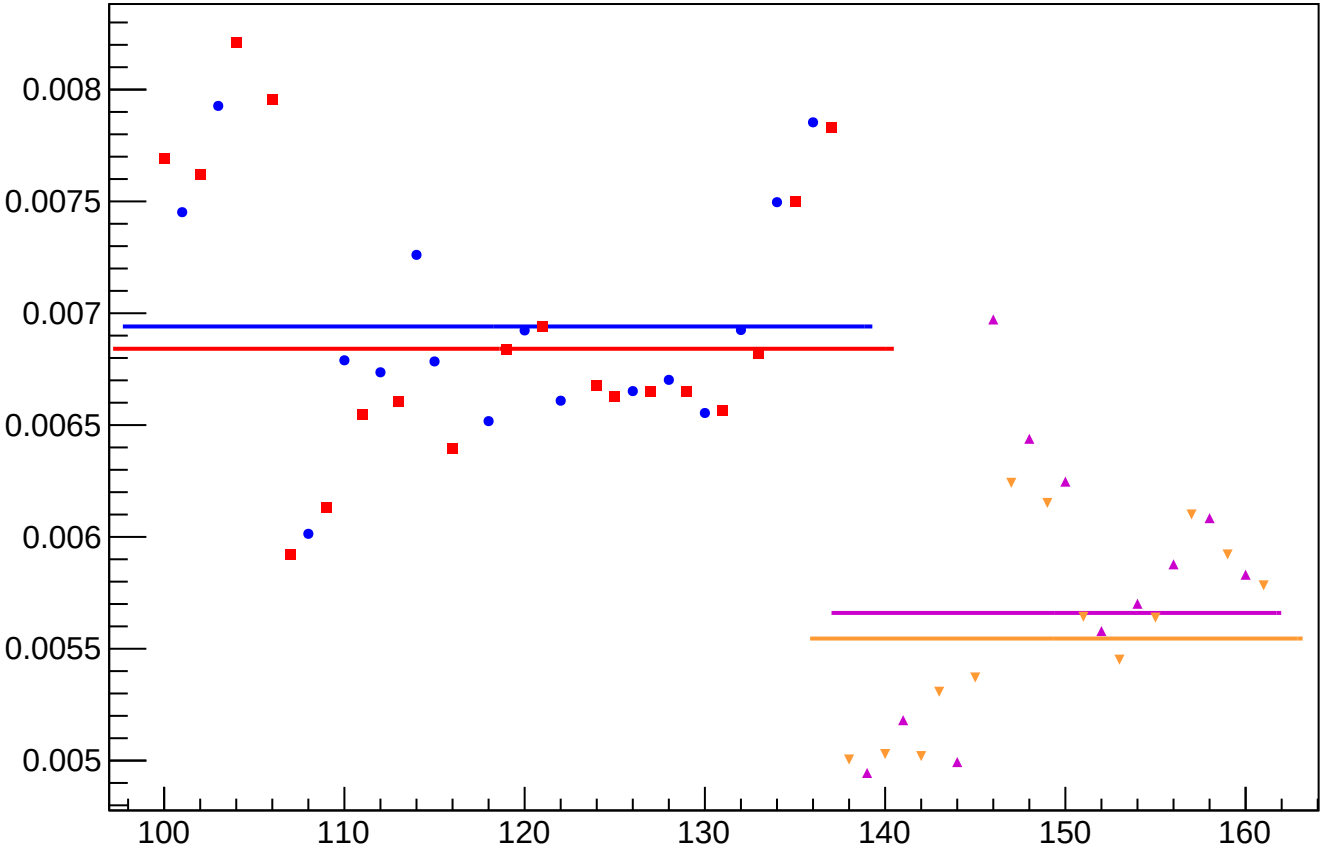
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.186+/-0.000 χ^2/NDF:15285686653.0/26

Out: -0.164+/-0.000 χ^2/NDF:19263347468.8/31

All: -0.175+/-0.000 χ^2/NDF: 34651900497.9/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:104065.9/12

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:176949.7/10

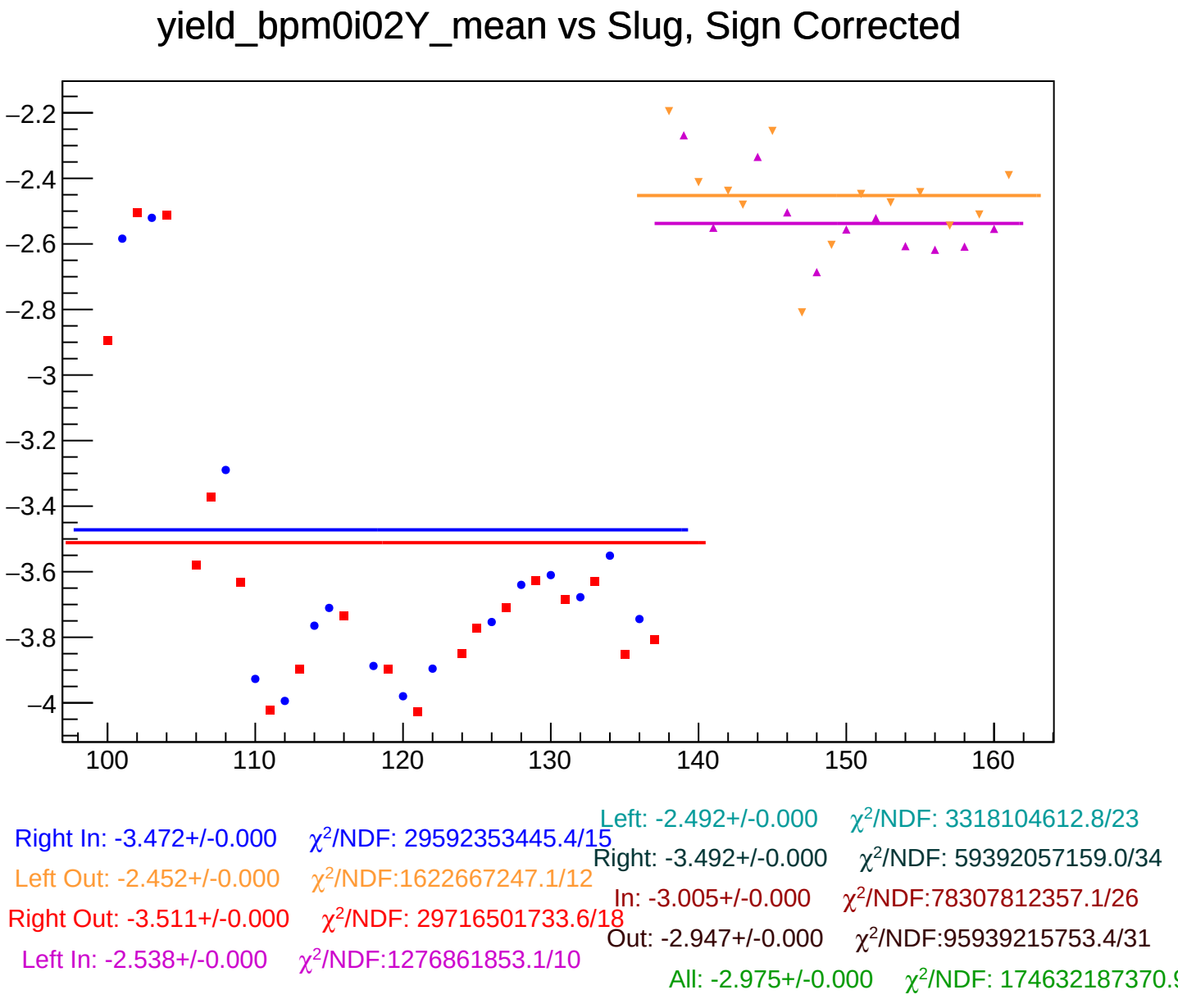
Left: 0.006+/-0.000 χ^2/NDF: 284815.9/23

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

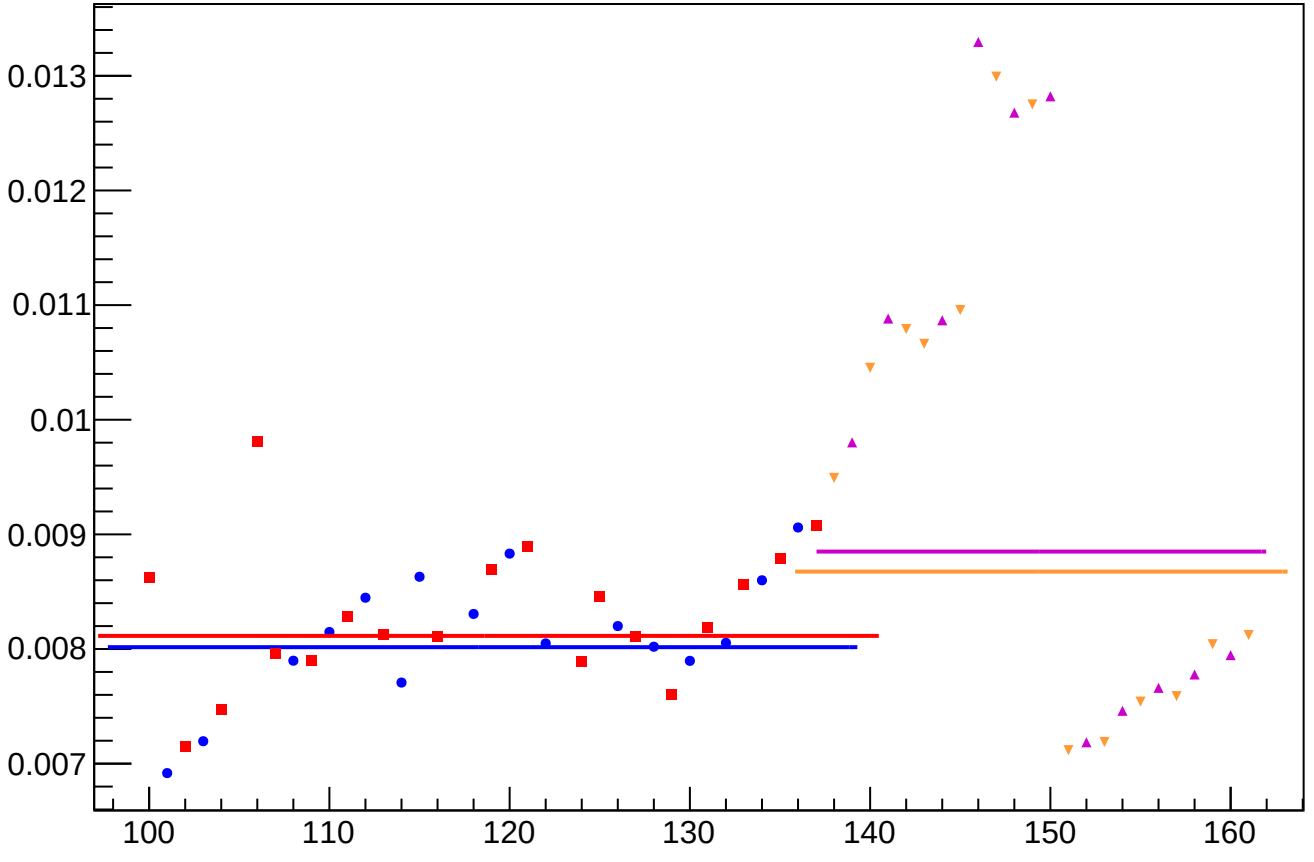
In: 0.006+/-0.000 χ^2/NDF:573447.7/26

Out: 0.006+/-0.000 χ^2/NDF:550018.1/31

All: 0.006+/-0.000 χ^2/NDF: 1131348.0/58


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.452+/-0.000 χ²/NDF:1622667247.1/12
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.538+/-0.000 χ²/NDF:1276861853.1/10
Left: -2.492+/-0.000 χ²/NDF: 3318104612.8/23
Right: -3.492+/-0.000 χ²/NDF: 59392057159.0/34
In: -3.005+/-0.000 χ²/NDF:78307812357.1/26
Out: -2.947+/-0.000 χ²/NDF:95939215753.4/31
All: -2.975+/-0.000 χ²/NDF: 174632187370.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:723233.4/12

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:805839.4/10

Left: 0.009+/-0.000 χ^2/NDF: 1532590.7/23

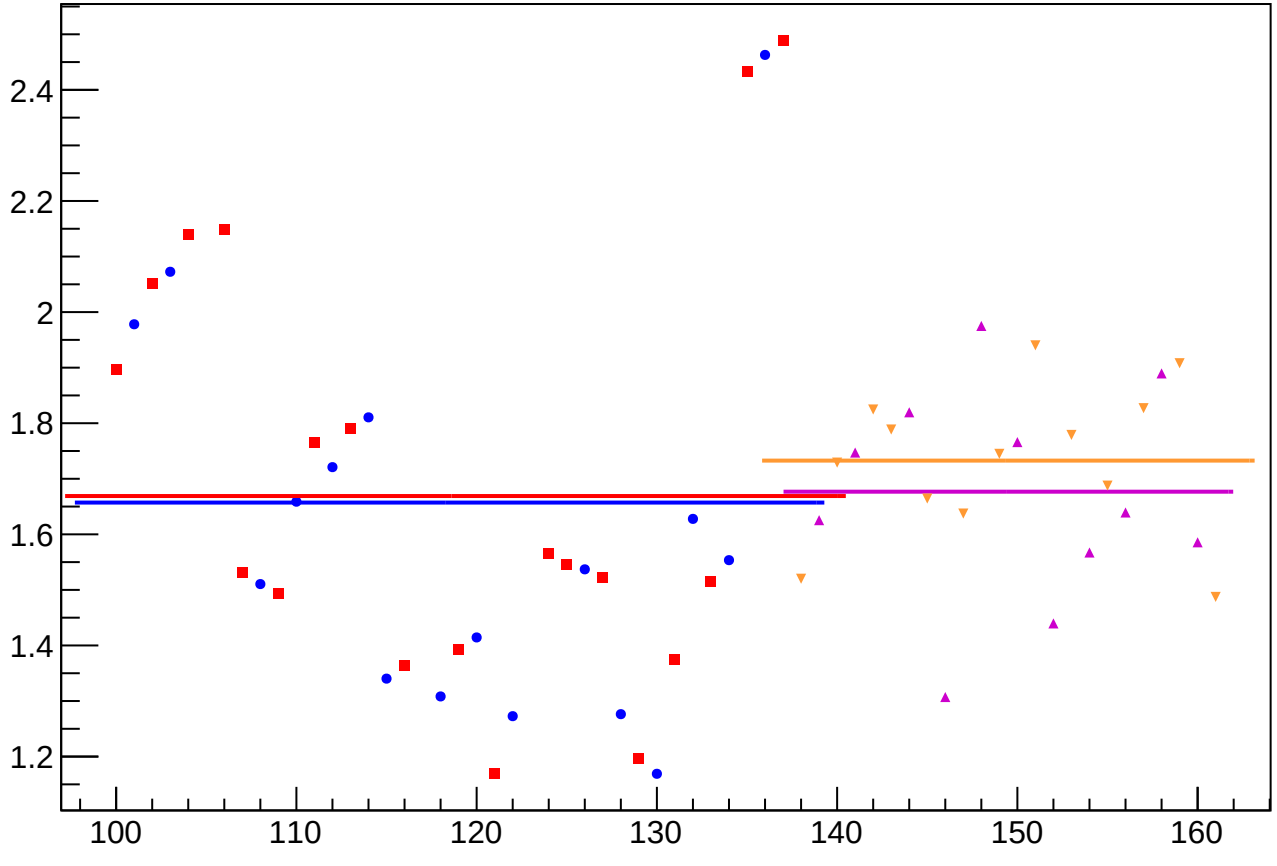
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:967588.4/26

Out: 0.008+/-0.000 χ^2/NDF:830521.6/31

All: 0.008+/-0.000 χ^2/NDF: 1798190.1/58

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.733+/-0.000 χ^2/NDF:1270229003.6/12

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.677+/-0.000 χ^2/NDF:1859135923.1/10

Left: 1.707+/-0.000 χ^2/NDF: 3234135649.4/23

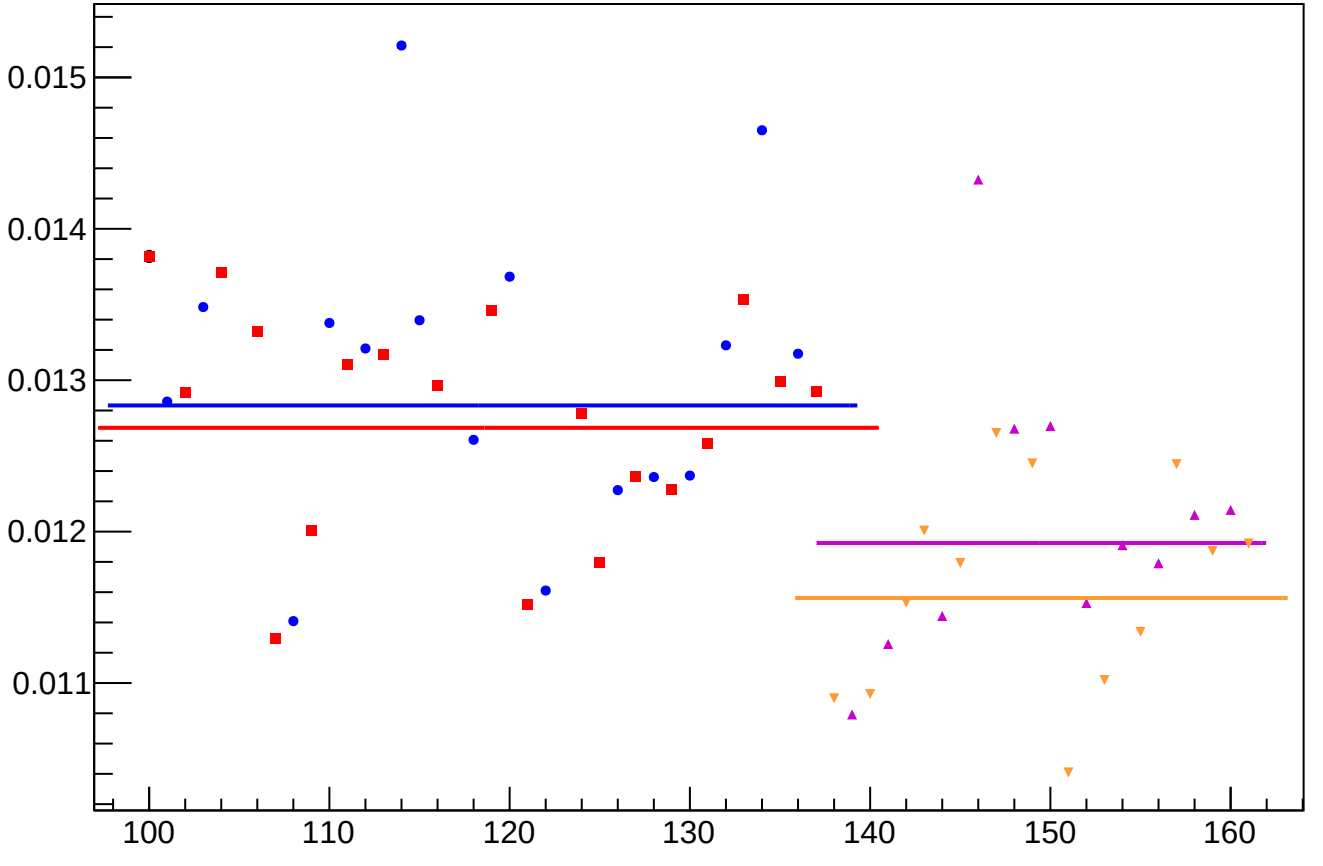
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.669+/-0.000 χ^2/NDF:8534975576.6/26

Out: 1.708+/-0.000 χ^2/NDF:7740583816.7/31

All: 1.690+/-0.000 χ^2/NDF: 16362310895.0/5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:65790.5/12

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:85632.5/10

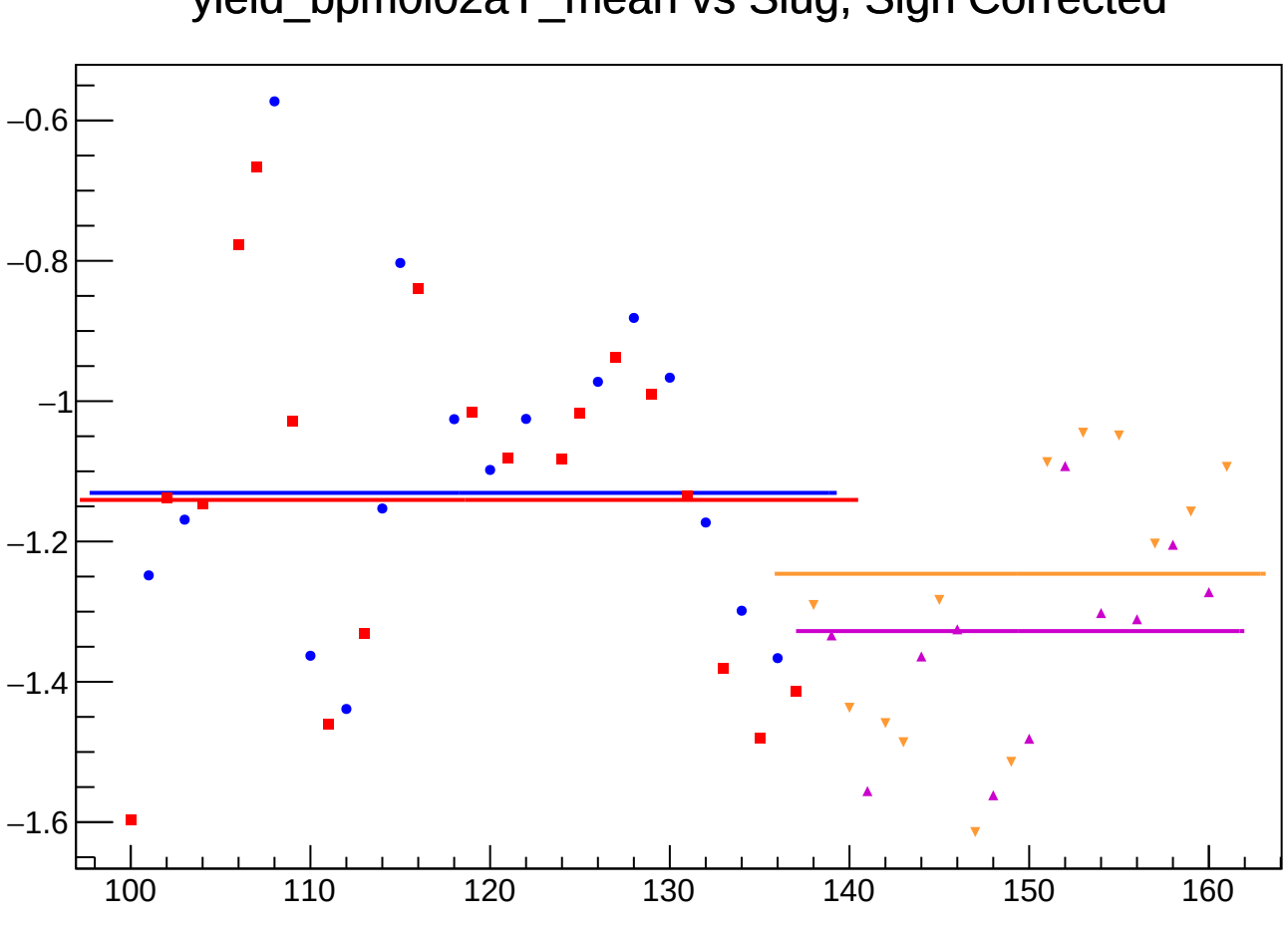
Left: 0.012+/-0.000 χ^2/NDF: 160251.0/23

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:179857.5/26

Out: 0.012+/-0.000 χ^2/NDF:179142.4/31

All: 0.012+/-0.000 χ^2/NDF: 369241.2/58



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4348595153.4/12

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.328+/-0.000 χ^2/NDF:2047084749.9/10

Left: -1.284+/-0.000 χ^2/NDF: 6811145041.7/23

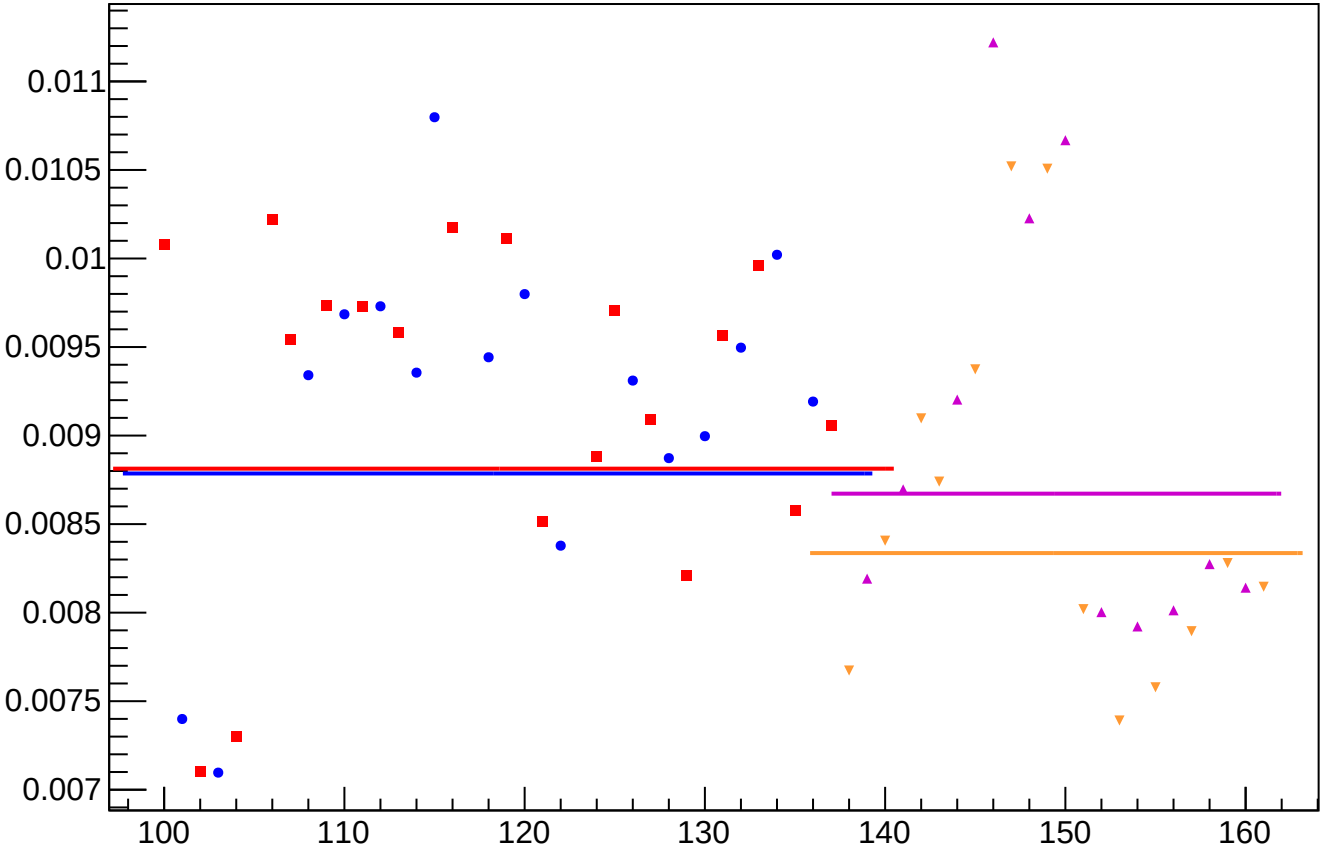
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.242+/-0.000 χ^2/NDF:7783336512.2/26

Out: -1.204+/-0.000 χ^2/NDF:8488160274.0/31

All: -1.222+/-0.000 χ^2/NDF: 16425670536.0/

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:205650.6/12

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:217119.1/10

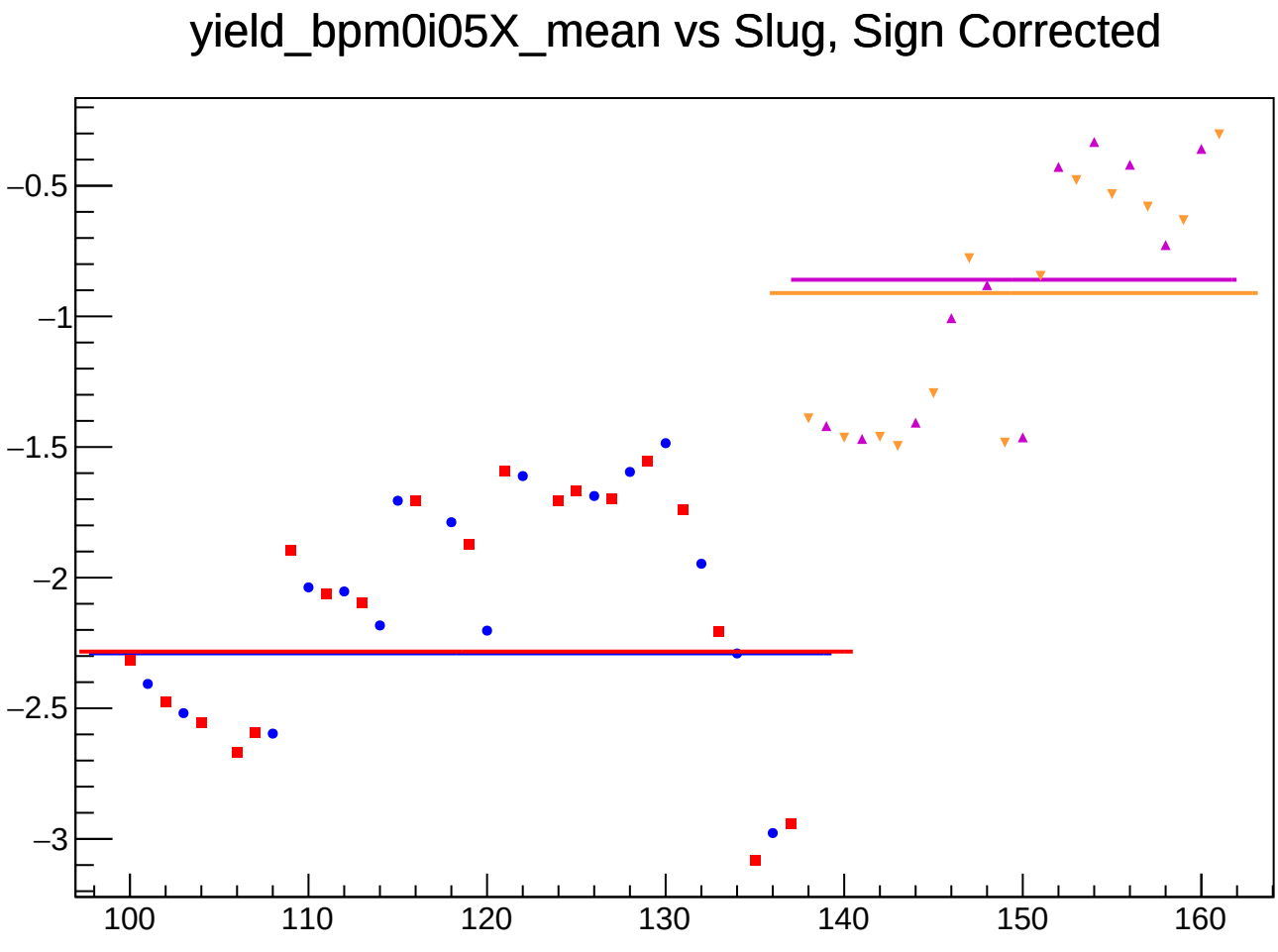
Left: 0.008+/-0.000 χ^2/NDF: 436785.1/23

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

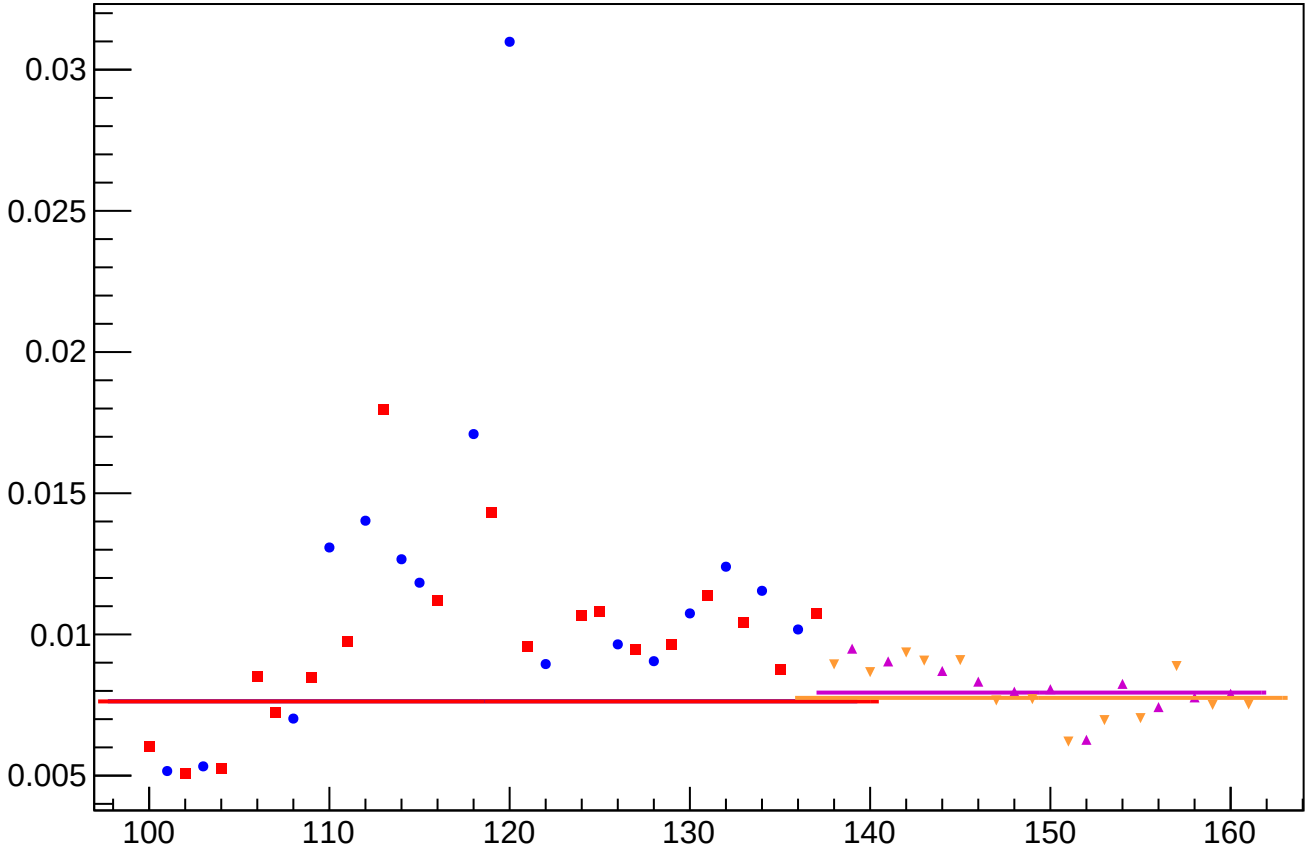
In: 0.009+/-0.000 χ^2/NDF:391899.1/26

Out: 0.009+/-0.000 χ^2/NDF:434538.1/31

All: 0.009+/-0.000 χ^2/NDF: 834593.3/58


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.911+/-0.000 χ²/NDF:25799365551.6/12
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.860+/-0.000 χ²/NDF:26032664929.2/10
Left: -0.887+/-0.000 χ²/NDF: 52008304612.1/23
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.435+/-0.000 χ²/NDF:147836764940.8/26
Out: -1.455+/-0.000 χ²/NDF:151133219828.8/31
All: -1.446+/-0.000 χ²/NDF: 299012341575.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:269894.4/12

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200987.3/10

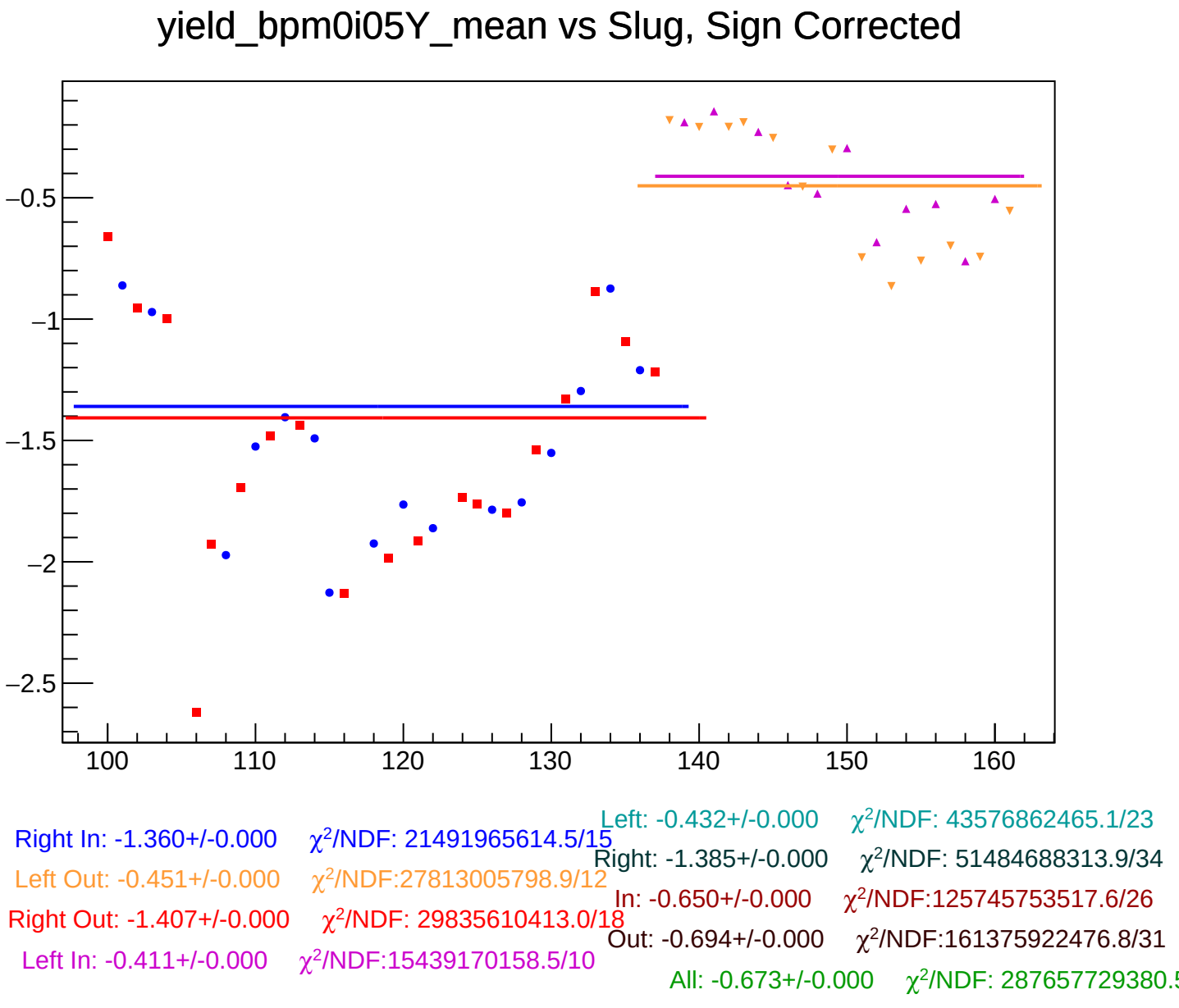
Left: 0.008+/-0.000 χ^2/NDF: 475671.1/23

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

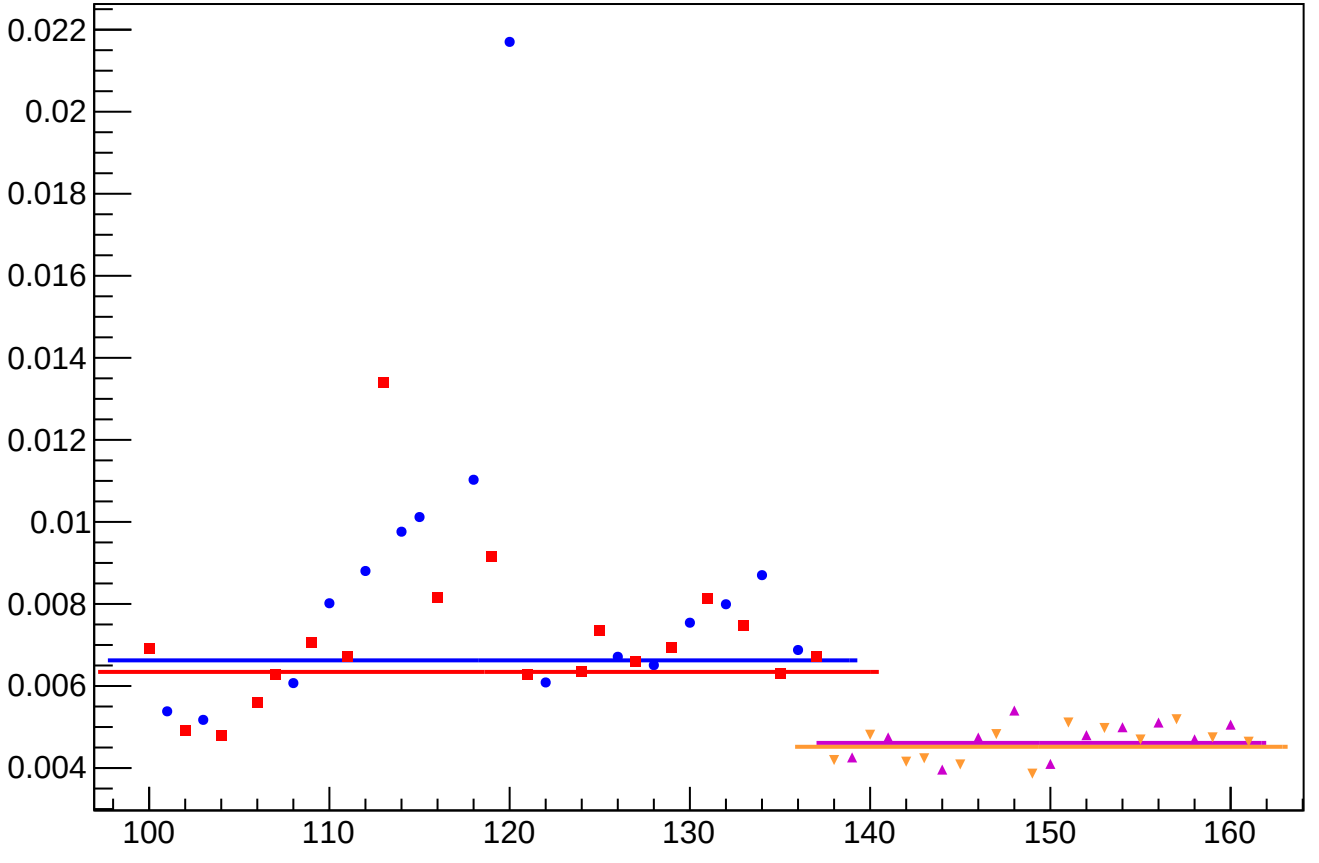
In: 0.008+/-0.000 χ^2/NDF:1921661.4/26

Out: 0.008+/-0.000 χ^2/NDF:1589459.0/31

All: 0.008+/-0.000 χ^2/NDF: 3514037.5/58


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.451+/-0.000 χ²/NDF:27813005798.9/12
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.411+/-0.000 χ²/NDF:15439170158.5/10
Left: -0.432+/-0.000 χ²/NDF: 43576862465.1/23
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.650+/-0.000 χ²/NDF:125745753517.6/26
Out: -0.694+/-0.000 χ²/NDF:161375922476.8/31
All: -0.673+/-0.000 χ²/NDF: 287657729380.5

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:151468.6/12

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:147272.8/10

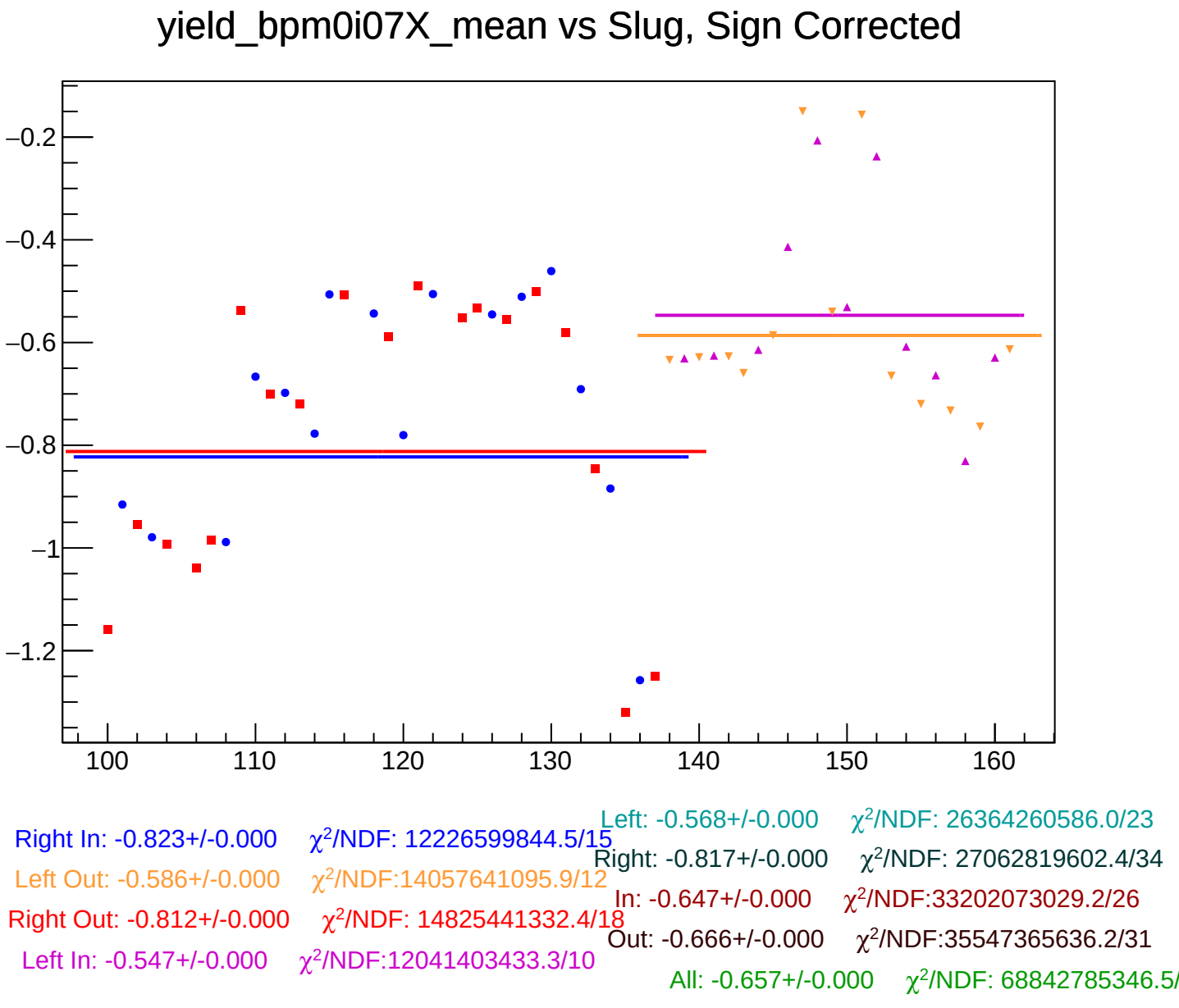
Left: 0.005+/-0.000 χ^2/NDF: 302466.4/23

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

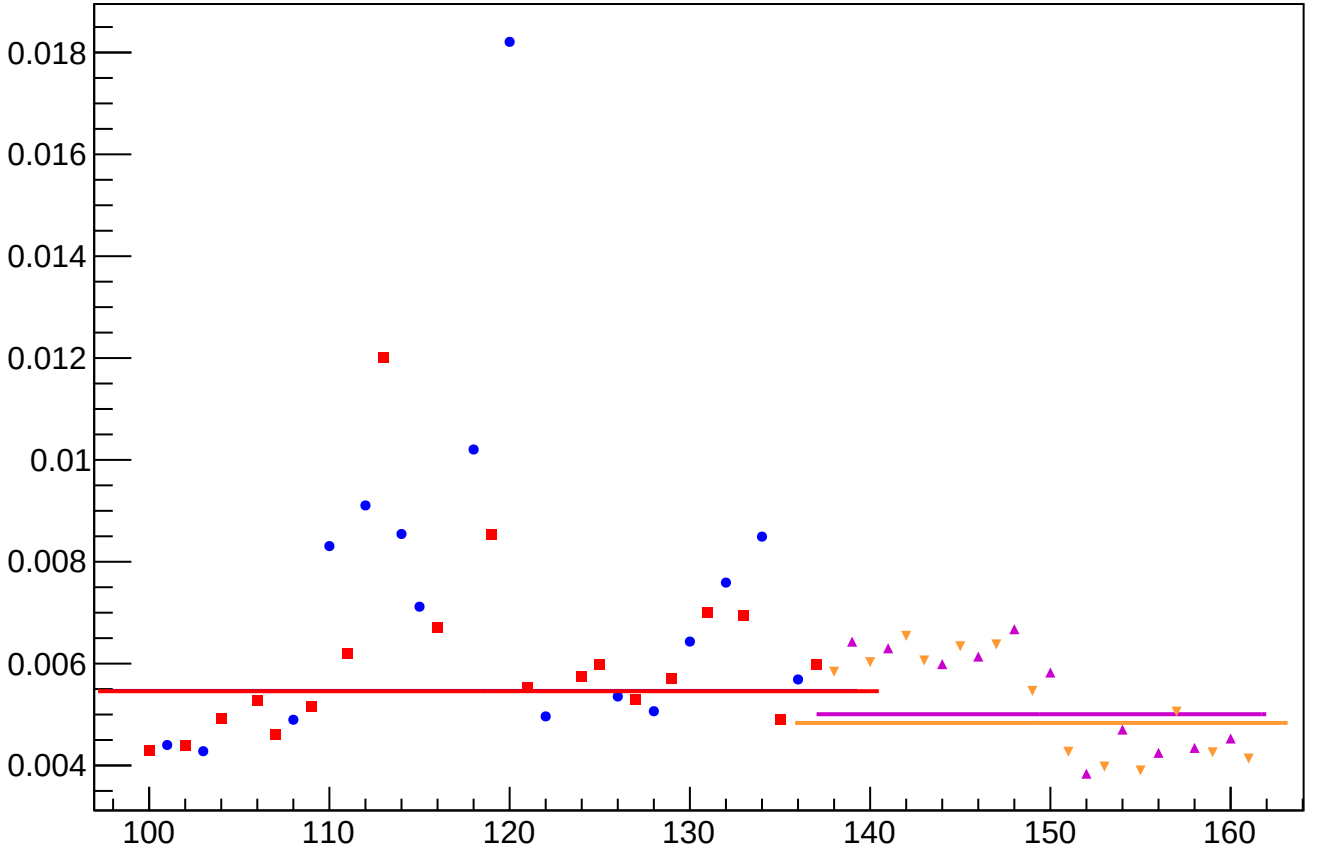
In: 0.005+/-0.000 χ^2/NDF:1640938.7/26

Out: 0.005+/-0.000 χ^2/NDF:1436803.6/31

All: 0.005+/-0.000 χ^2/NDF: 3088207.1/58


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.586+/-0.000 χ²/NDF:14057641095.9/12
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.547+/-0.000 χ²/NDF:12041403433.3/10
Left: -0.568+/-0.000 χ²/NDF: 26364260586.0/23
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.647+/-0.000 χ²/NDF:33202073029.2/26
Out: -0.666+/-0.000 χ²/NDF:35547365636.2/31
All: -0.657+/-0.000 χ²/NDF: 68842785346.5/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:639037.6/12

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:610721.5/10

Left: 0.005+/-0.000 χ^2/NDF: 1259858.3/23

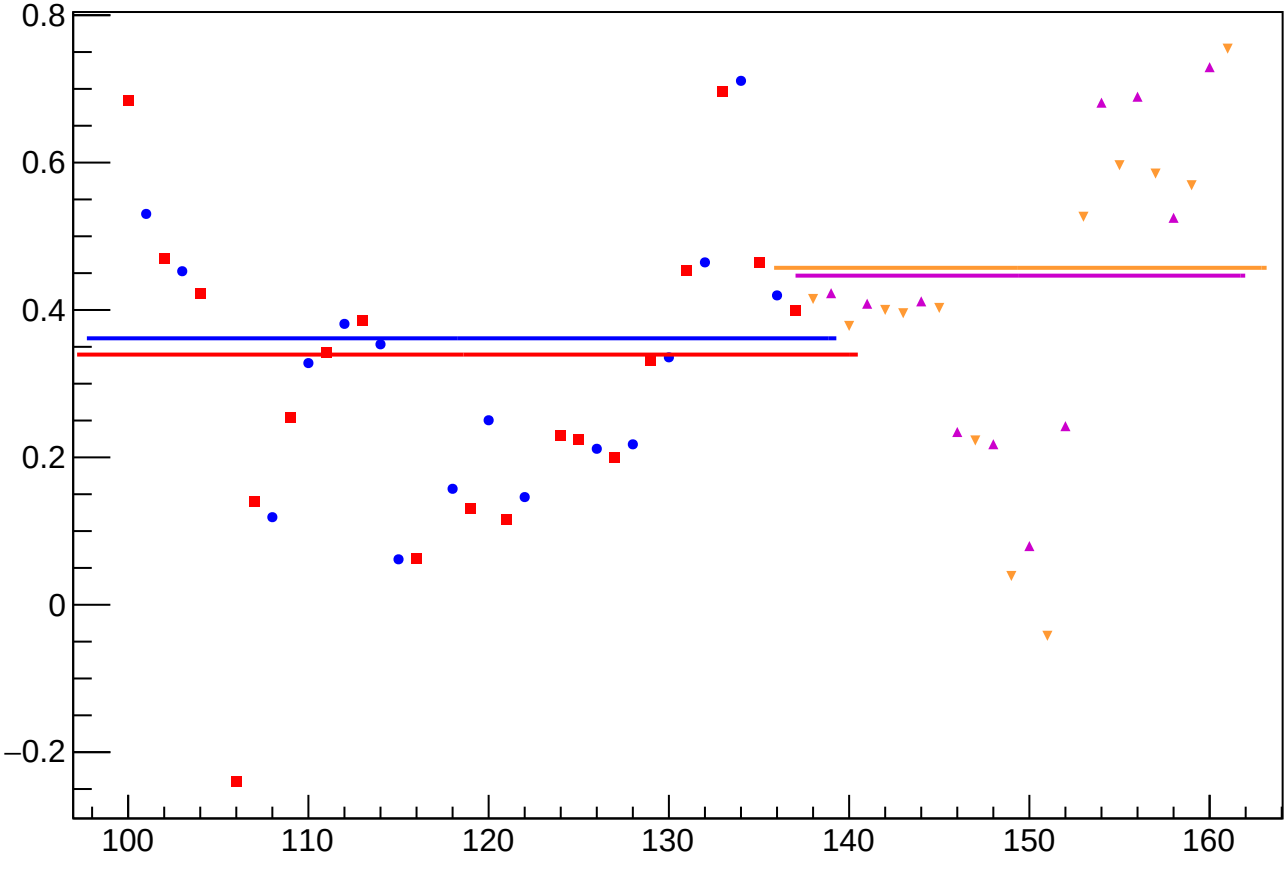
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1621230.6/26

Out: 0.005+/-0.000 χ^2/NDF:1248149.3/31

All: 0.005+/-0.000 χ^2/NDF: 2876800.2/58

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.457+/-0.000 χ^2/NDF:23871526531.8/12

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.447+/-0.000 χ^2/NDF:17262279055.9/10

Left: 0.452+/-0.000 χ^2/NDF: 41161232315.4/23

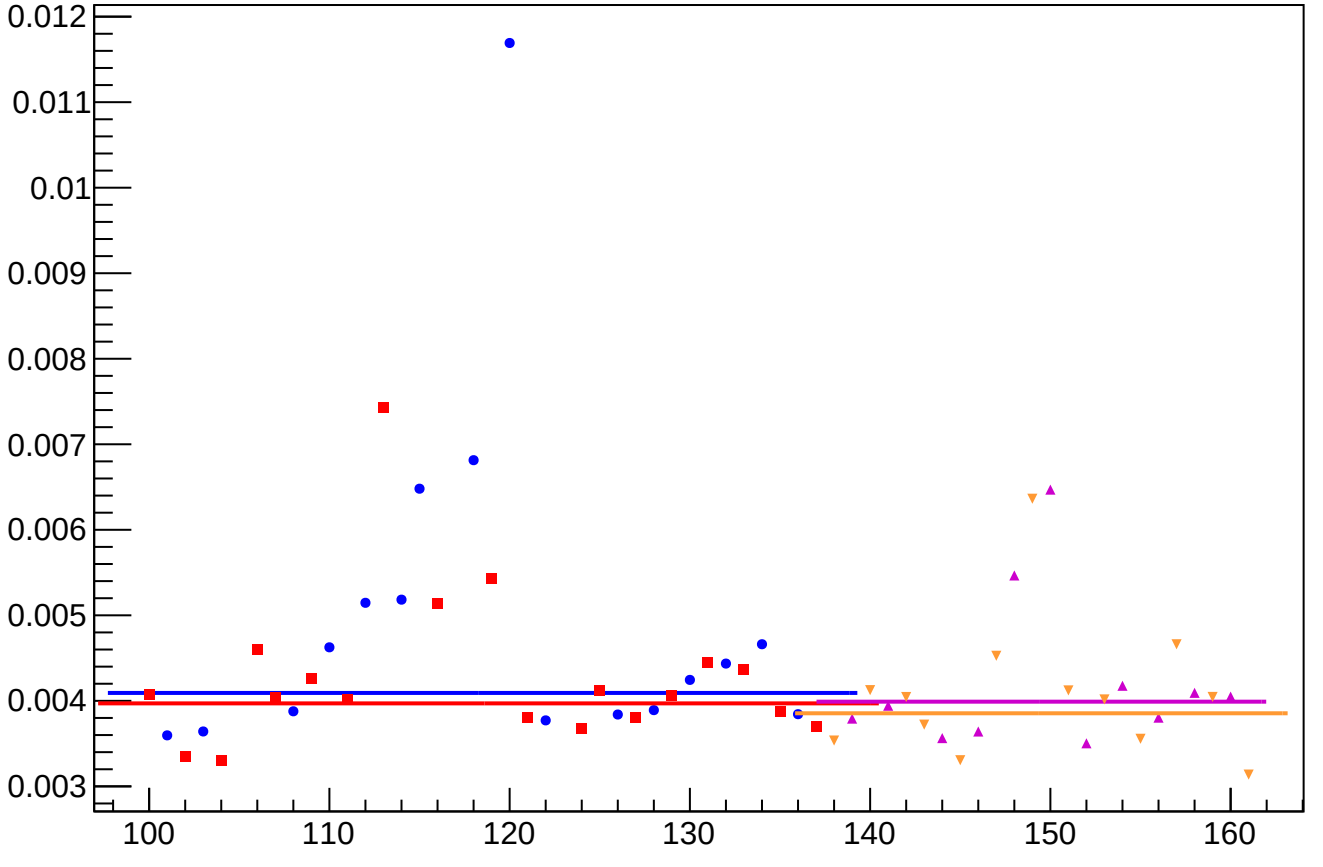
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.409+/-0.000 χ^2/NDF:27500739271.4/26

Out: 0.406+/-0.000 χ^2/NDF:39125820550.2/31

All: 0.407+/-0.000 χ^2/NDF: 66629576788.1/5

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:416924.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:365135.5/10

Left: 0.004+/-0.000 χ^2/NDF: 791035.8/23

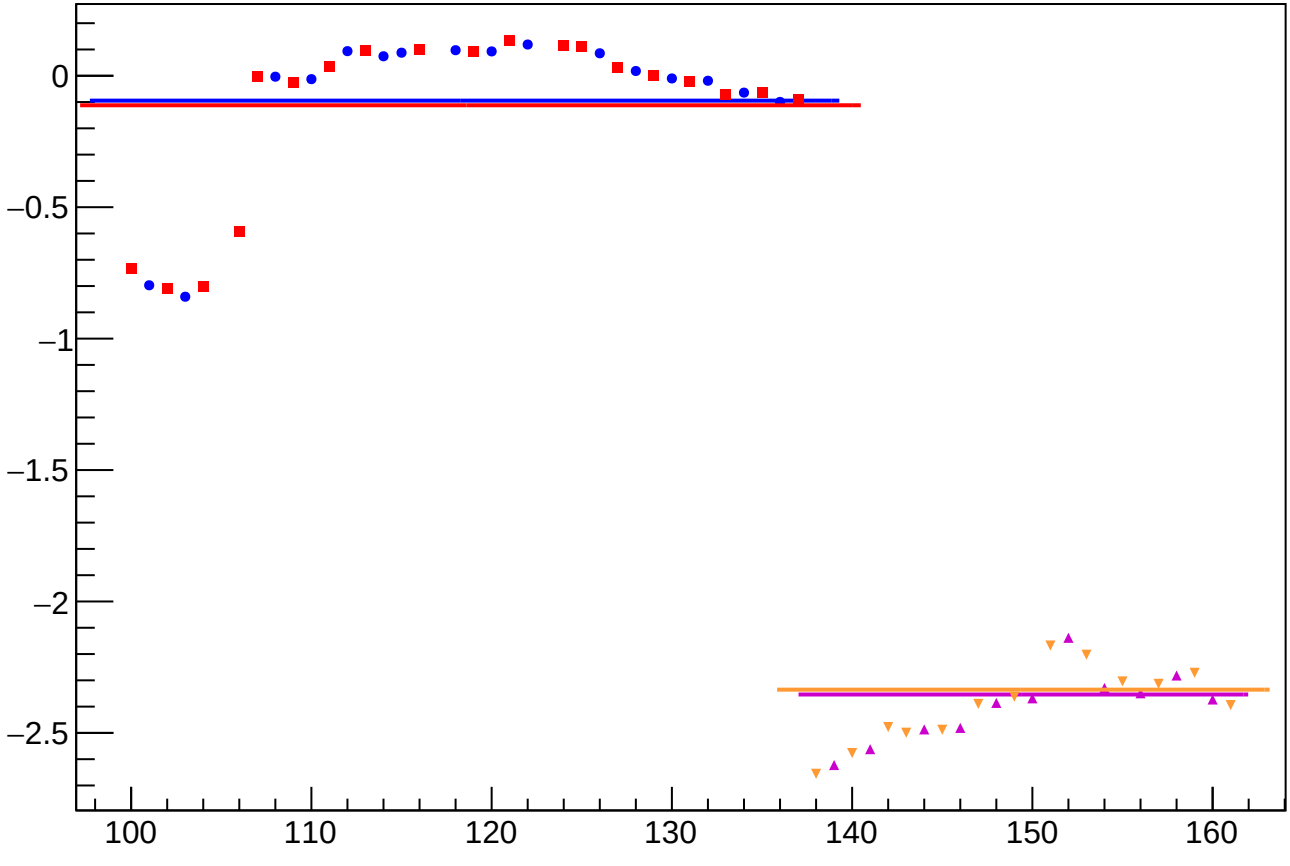
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:861108.4/26

Out: 0.004+/-0.000 χ^2/NDF:736788.7/31

All: 0.004+/-0.000 χ^2/NDF: 1612869.0/58

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1607381884.3/12

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.354+/-0.000 χ^2/NDF:1269065304.5/10

Left: -2.344+/-0.000 χ^2/NDF: 2890773225.2/23

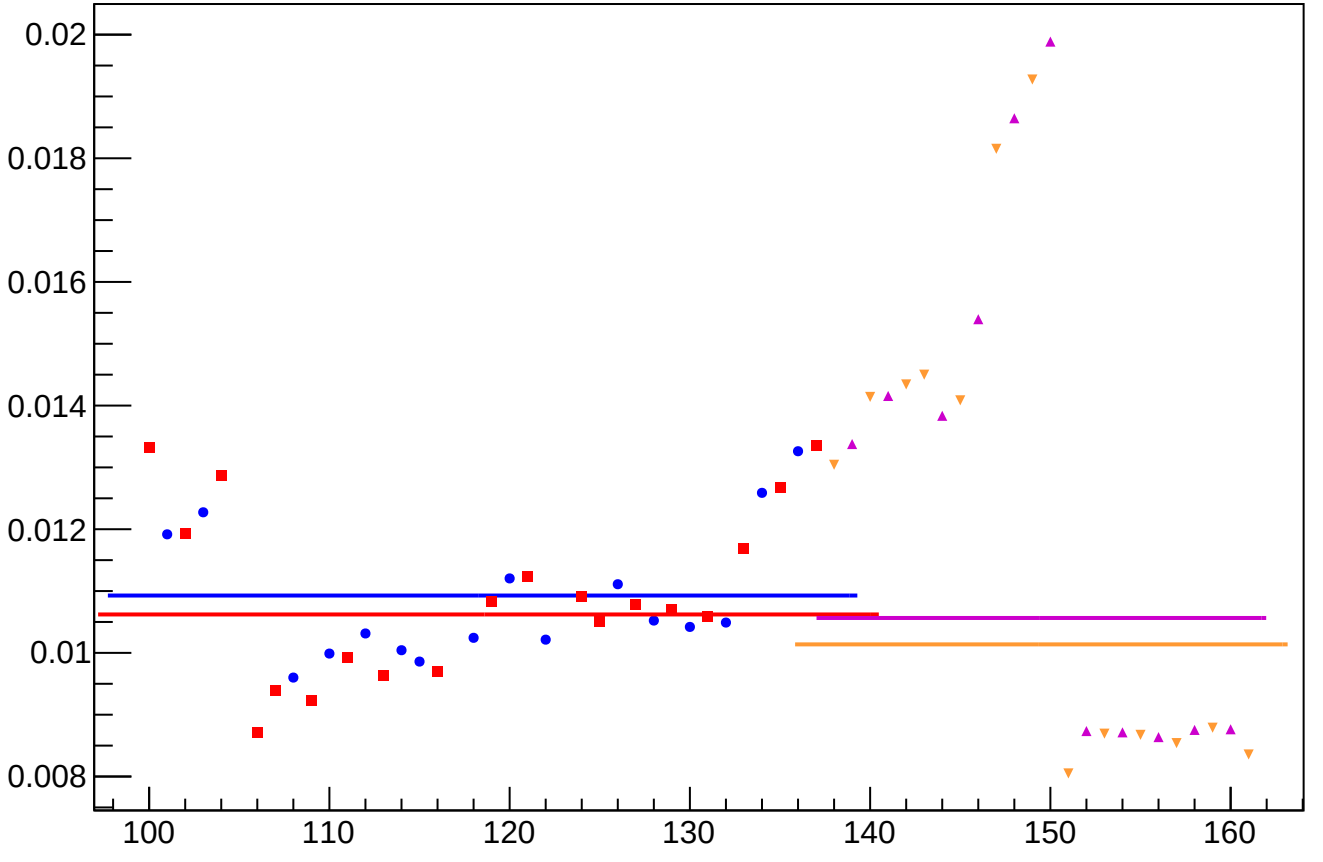
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.375+/-0.000 χ^2/NDF:179299348513.2/26

Out: -1.412+/-0.000 χ^2/NDF:196556748820.3/31

All: -1.395+/-0.000 χ^2/NDF: 375954540159.8

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1626592.6/12

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1549111.4/10

Left: 0.010+/-0.000 χ^2/NDF: 3191100.9/23

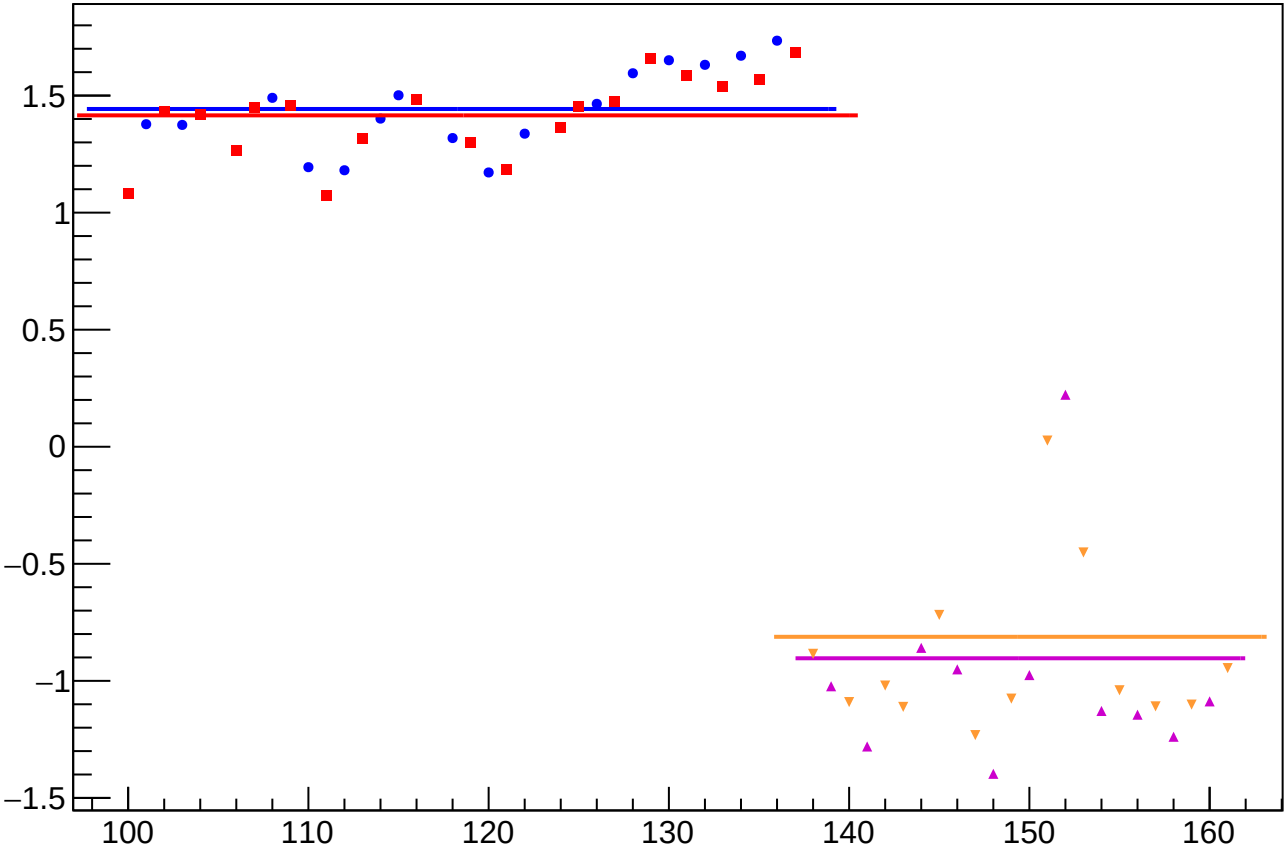
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1694498.0/26

Out: 0.010+/-0.000 χ^2/NDF:1835012.2/31

All: 0.011+/-0.000 χ^2/NDF: 3551075.9/58

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.812+/-0.000 χ^2/NDF:26749551401.4/12

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.904+/-0.000 χ^2/NDF:37950562413.1/10

Left: -0.855+/-0.000 χ^2/NDF: 65356174015.0/23

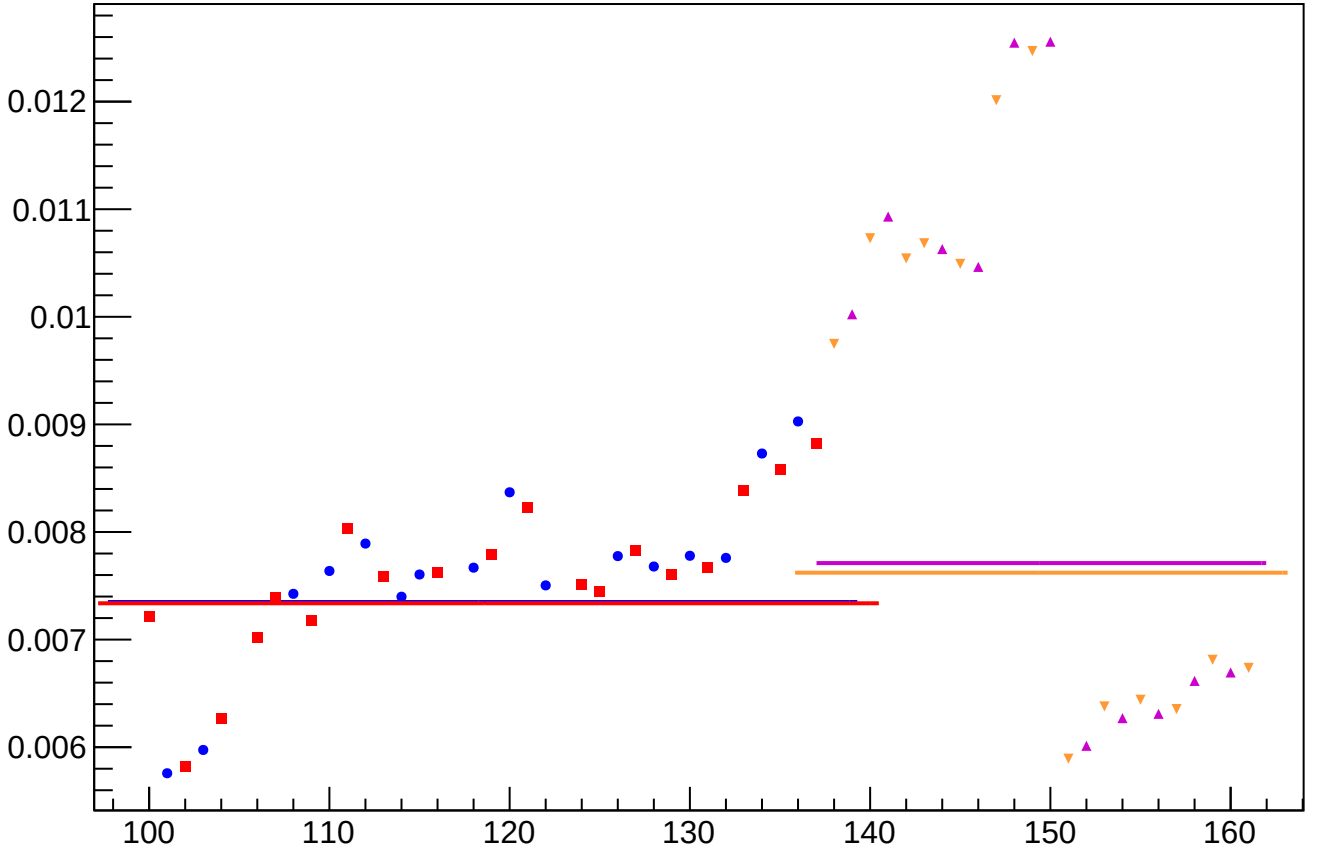
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.198+/-0.000 χ^2/NDF:423847275724.8/26

Out: 0.199+/-0.000 χ^2/NDF:400658881416.4/31

All: 0.198+/-0.000 χ^2/NDF: 824506273410.9

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1385057.9/12

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1412277.0/10

Left: 0.008+/-0.000 χ^2/NDF: 2798583.7/23

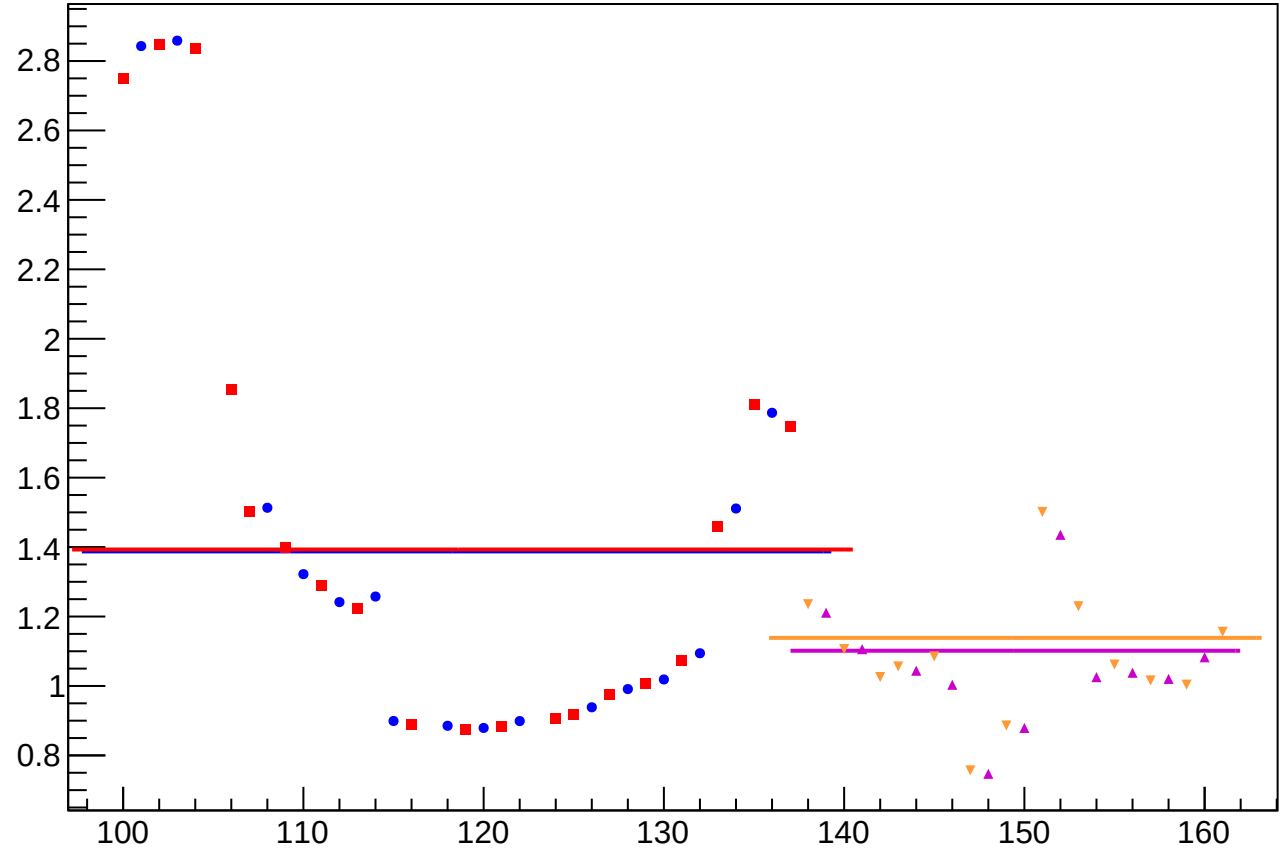
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1701323.4/26

Out: 0.007+/-0.000 χ^2/NDF:1592518.8/31

All: 0.008+/-0.000 χ^2/NDF: 3294526.2/58

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.139+/-0.000 χ^2/NDF:5308739372.6/12

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.101+/-0.000 χ^2/NDF:4143951923.9/10

Left: 1.121+/-0.000 χ^2/NDF: 9565911072.3/23

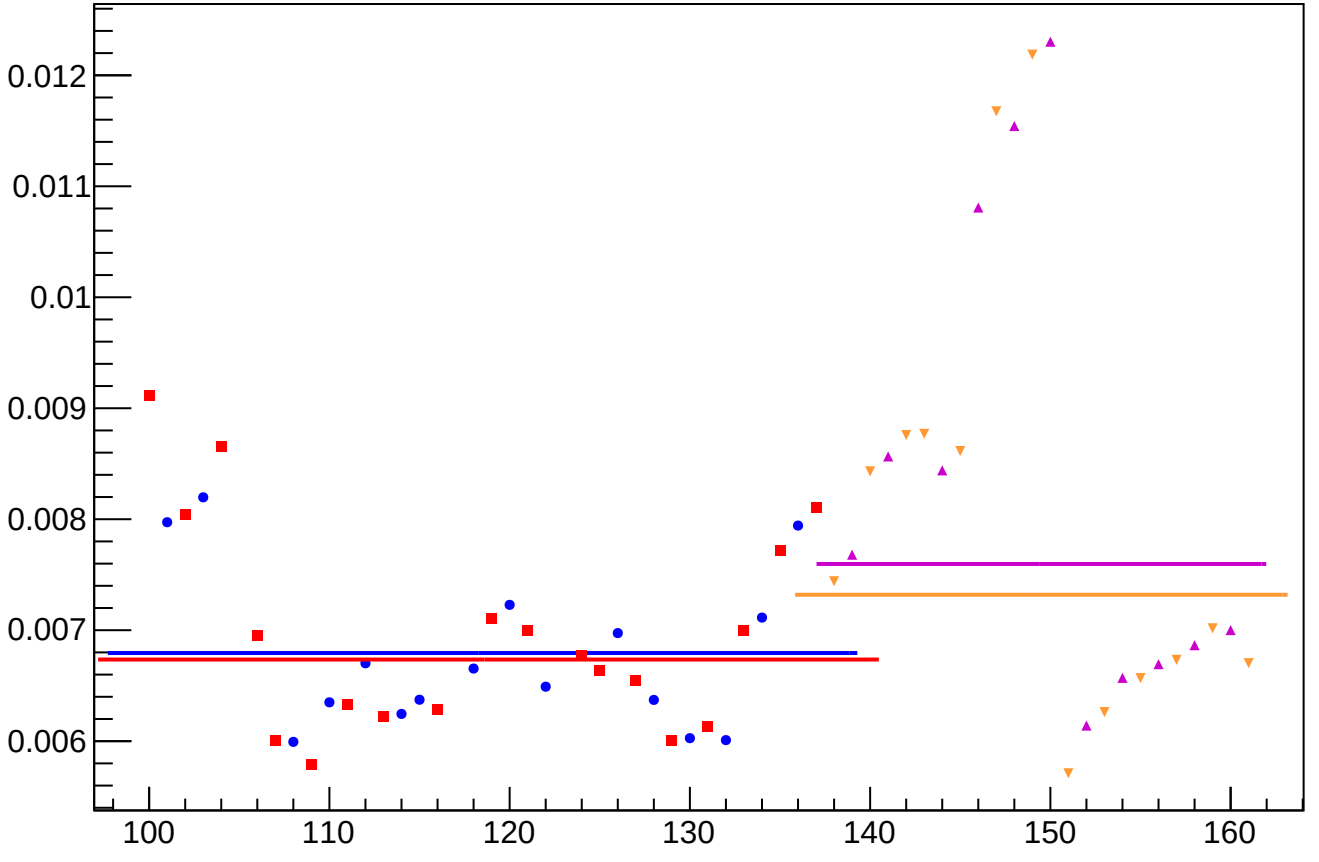
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.245+/-0.000 χ^2/NDF:69038795981.6/26

Out: 1.260+/-0.000 χ^2/NDF:66174667003.7/31

All: 1.253+/-0.000 χ^2/NDF: 135249074189.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:797838.3/12

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:806827.8/10

Left: 0.007+/-0.000 χ^2/NDF: 1617345.0/23

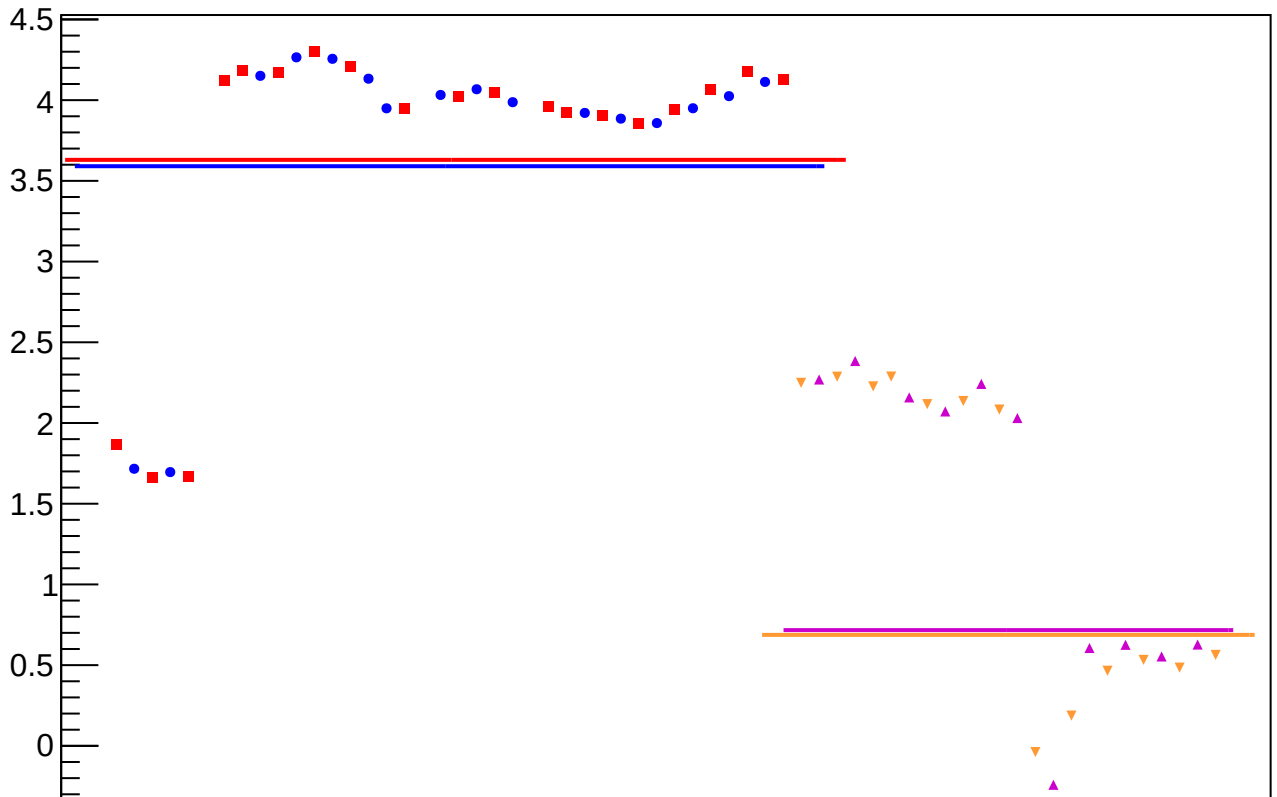
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1070112.1/26

Out: 0.007+/-0.000 χ^2/NDF:1054214.6/31

All: 0.007+/-0.000 χ^2/NDF: 2131903.9/58

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.687+/-0.000 χ^2/NDF:243541835795.7/12

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.717+/-0.000 χ^2/NDF:241383456804.5/10

Left: 0.701+/-0.000 χ^2/NDF: 485115020775.8/23

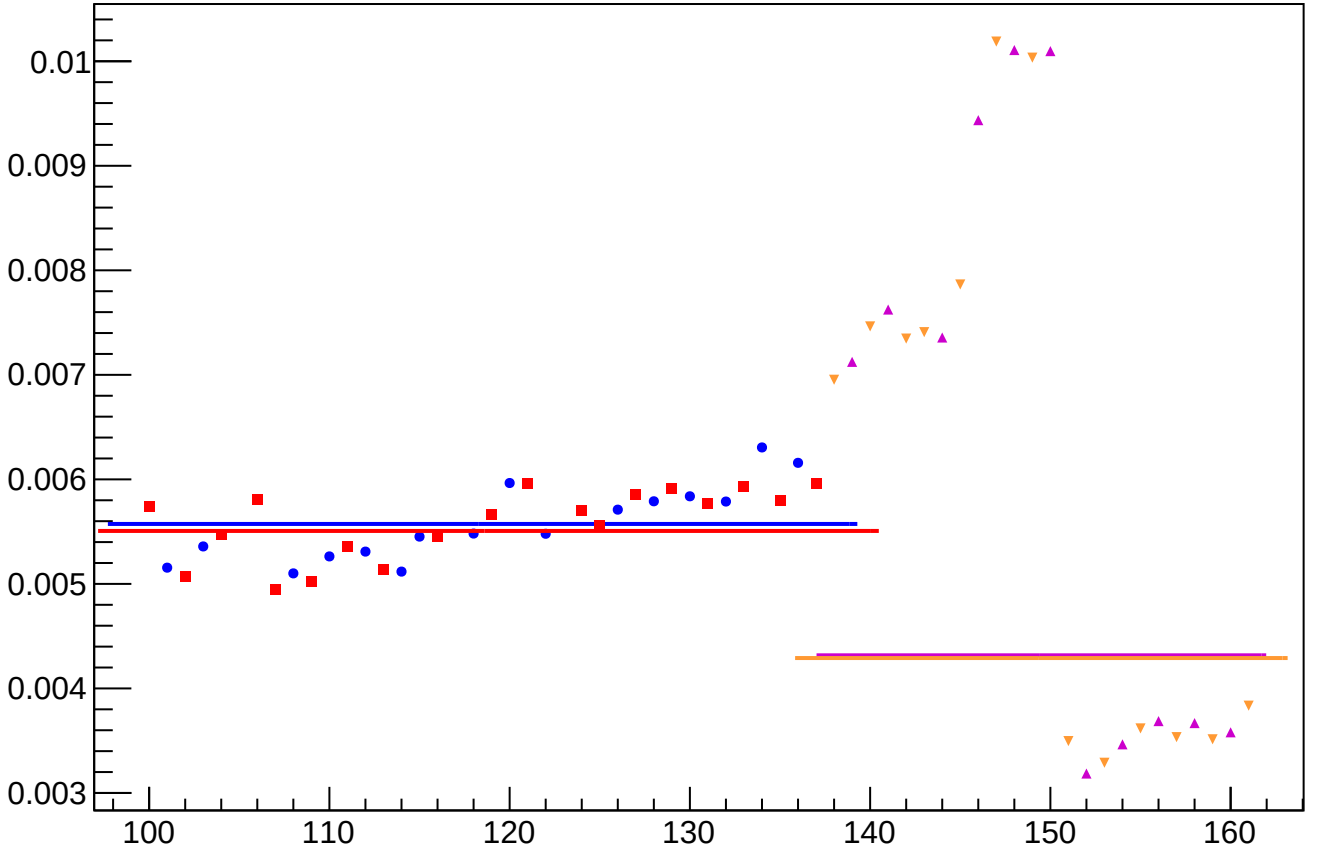
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.747+/-0.000 χ^2/NDF:1665808690650.5/26

Out: 1.701+/-0.000 χ^2/NDF:1823087338218.2/31

All: 1.723+/-0.000 χ^2/NDF: 3489609931472.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2700458.7/12

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2864413.7/10

Left: 0.004+/-0.000 χ^2/NDF: 5565168.2/23

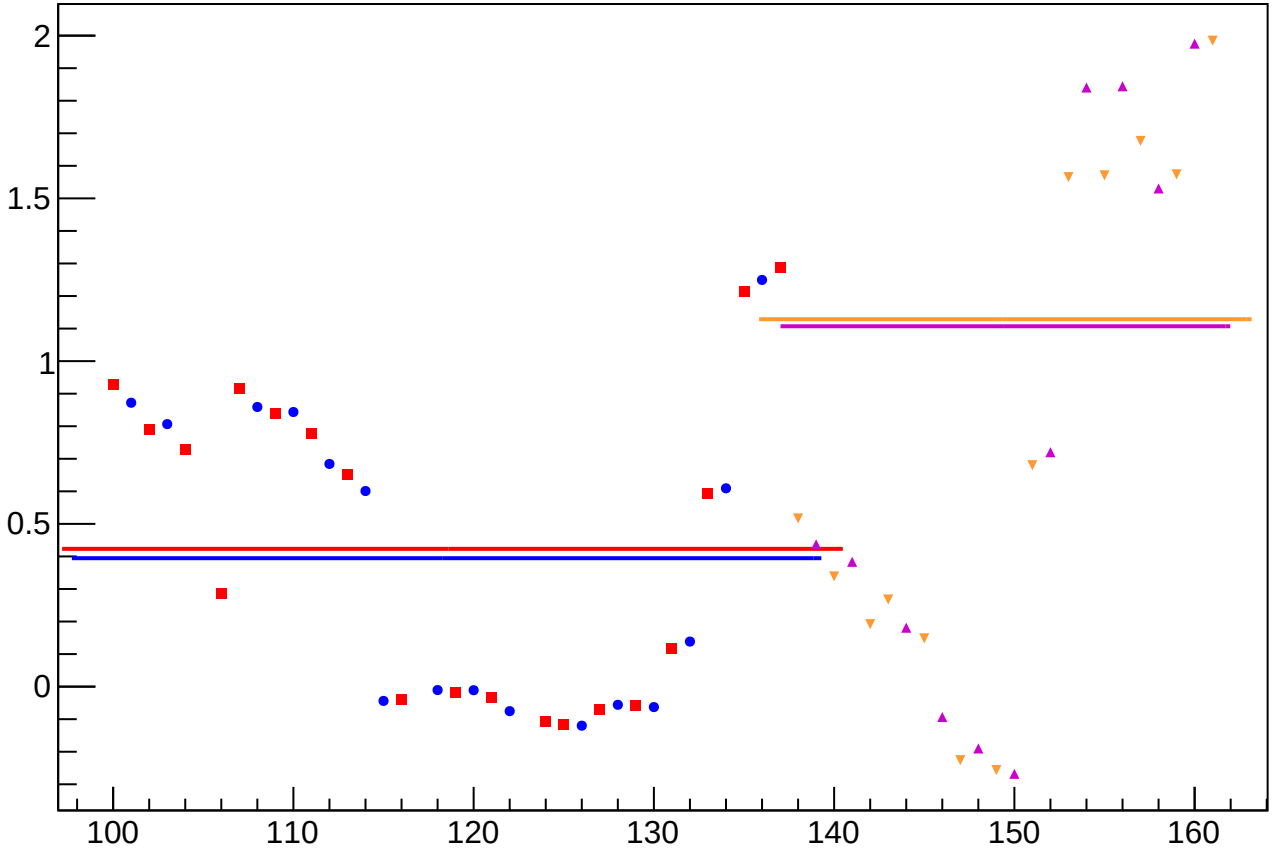
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3391073.8/26

Out: 0.005+/-0.000 χ^2/NDF:3224695.4/31

All: 0.005+/-0.000 χ^2/NDF: 6618008.4/58

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.129+/-0.000 χ^2/NDF:35672803275.3/12

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.107+/-0.000 χ^2/NDF:39465530495.1/10

Left: 1.118+/-0.000 χ^2/NDF: 75153961429.5/23

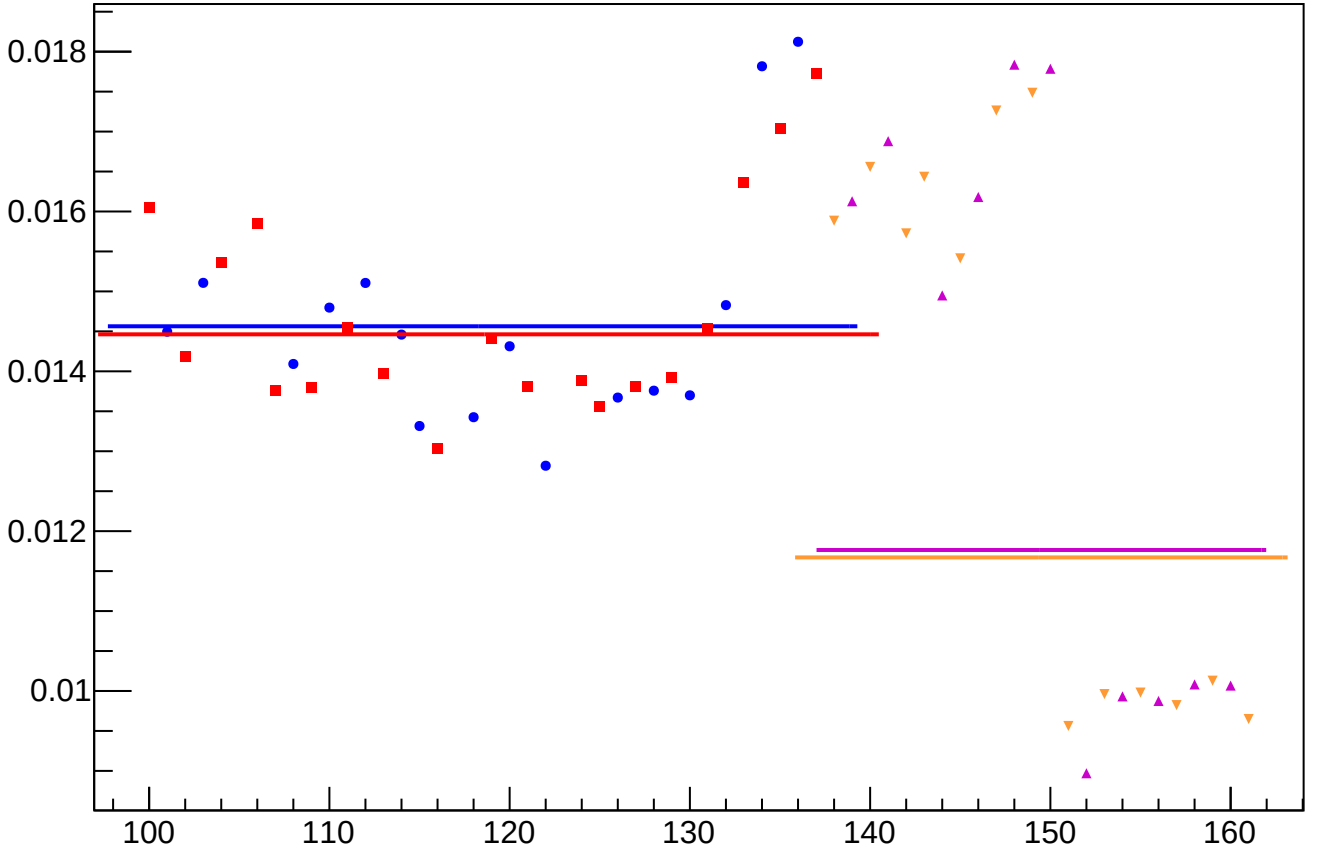
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.861+/-0.000 χ^2/NDF:58003361920.7/26

Out: 0.895+/-0.000 χ^2/NDF:54158536591.2/31

All: 0.879+/-0.000 χ^2/NDF: 112218537966.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1232981.7/12

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1268411.1/10

Left: 0.012+/-0.000 χ^2/NDF: 2501970.4/23

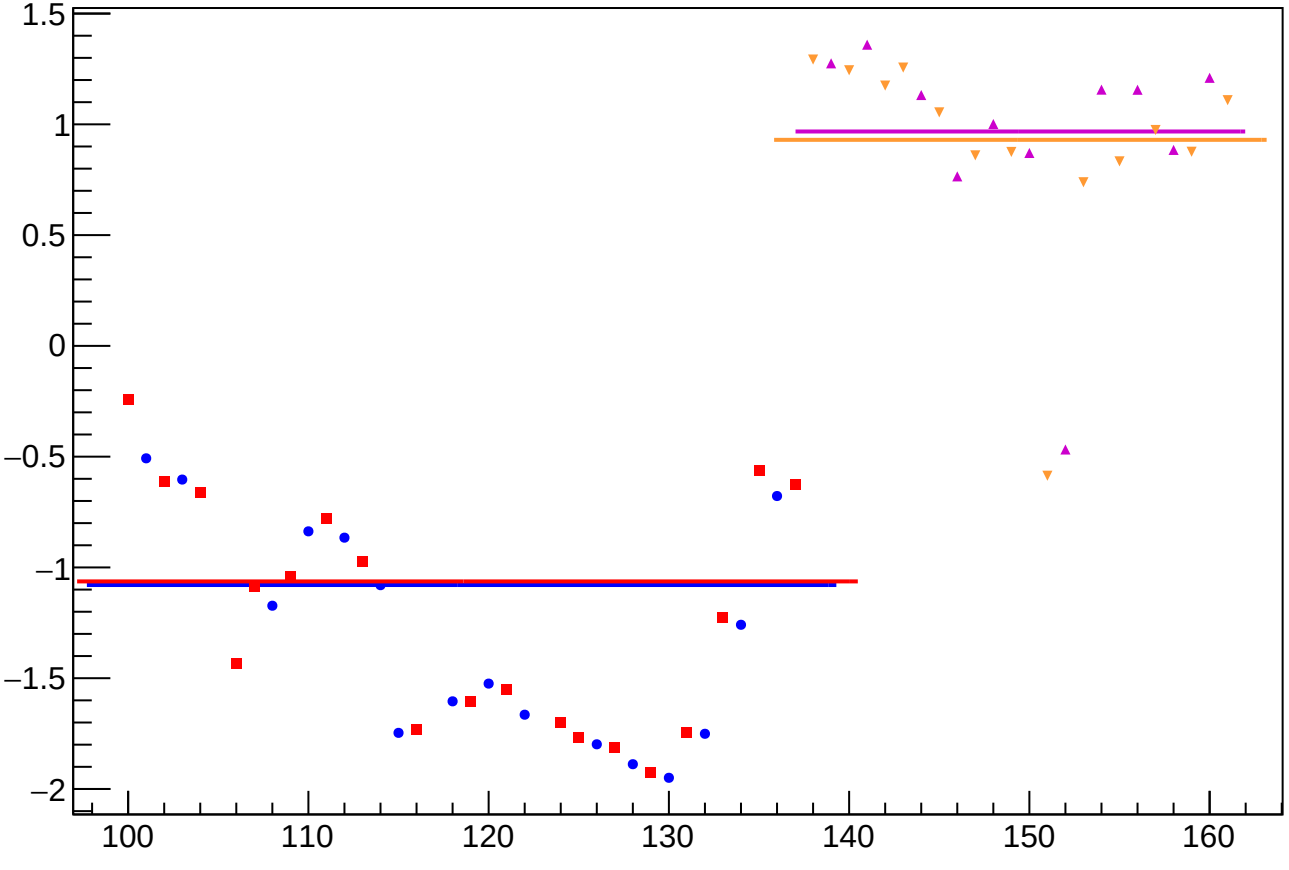
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.013+/-0.000 χ^2/NDF:1744959.1/26

Out: 0.013+/-0.000 χ^2/NDF:1673132.8/31

All: 0.013+/-0.000 χ^2/NDF: 3419874.5/58

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.930+/-0.000 χ^2/NDF:100821540122.4/12

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.968+/-0.000 χ^2/NDF:115643166449.9/10

Left: 0.948+/-0.000 χ^2/NDF: 216929861441.9/23

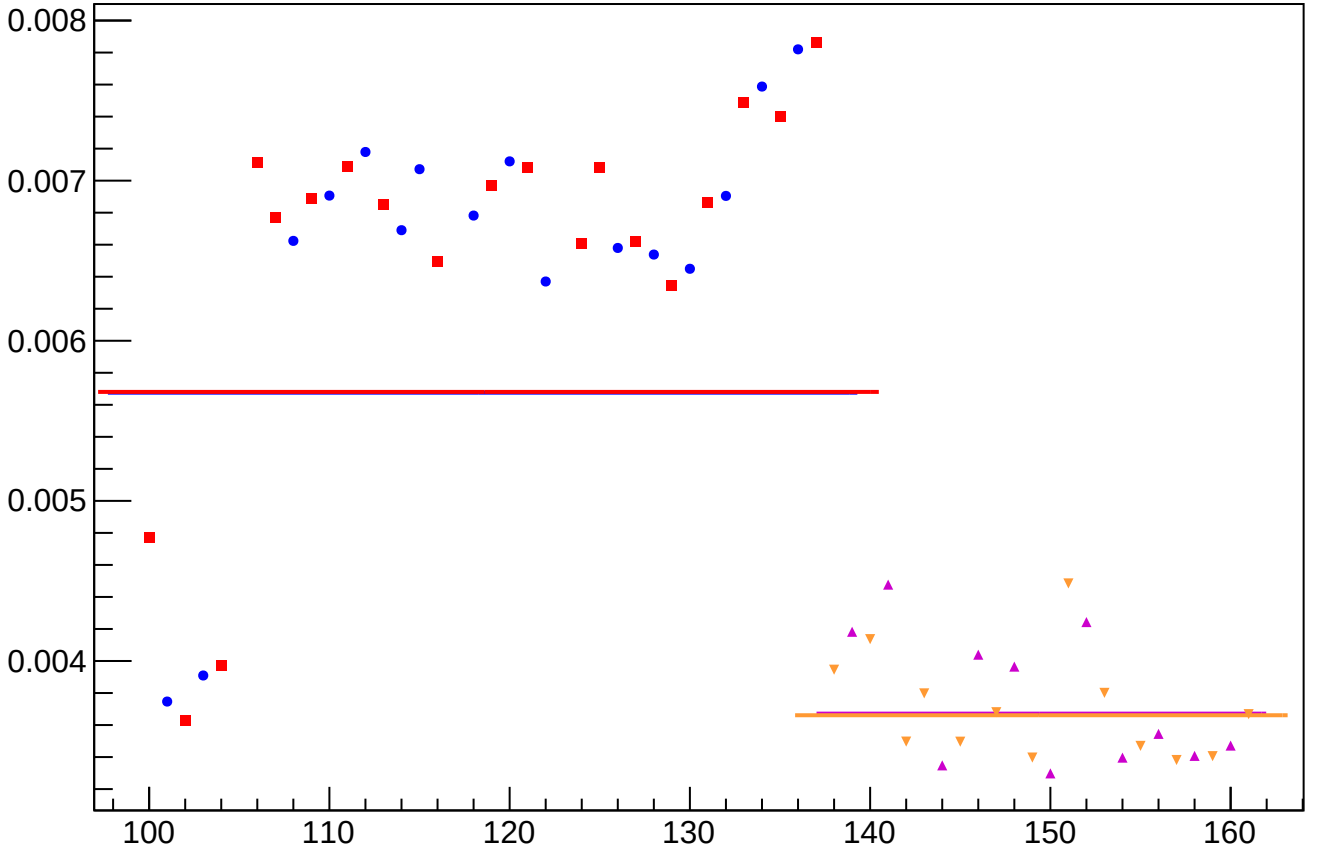
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.476+/-0.000 χ^2/NDF:804661945795.2/26

Out: 0.482+/-0.000 χ^2/NDF:766081512514.7/31

All: 0.479+/-0.000 χ^2/NDF: 1570758425539.

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:115497.9/12

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:188014.9/10

Left: 0.004+/-0.000 χ^2/NDF: 303579.1/23

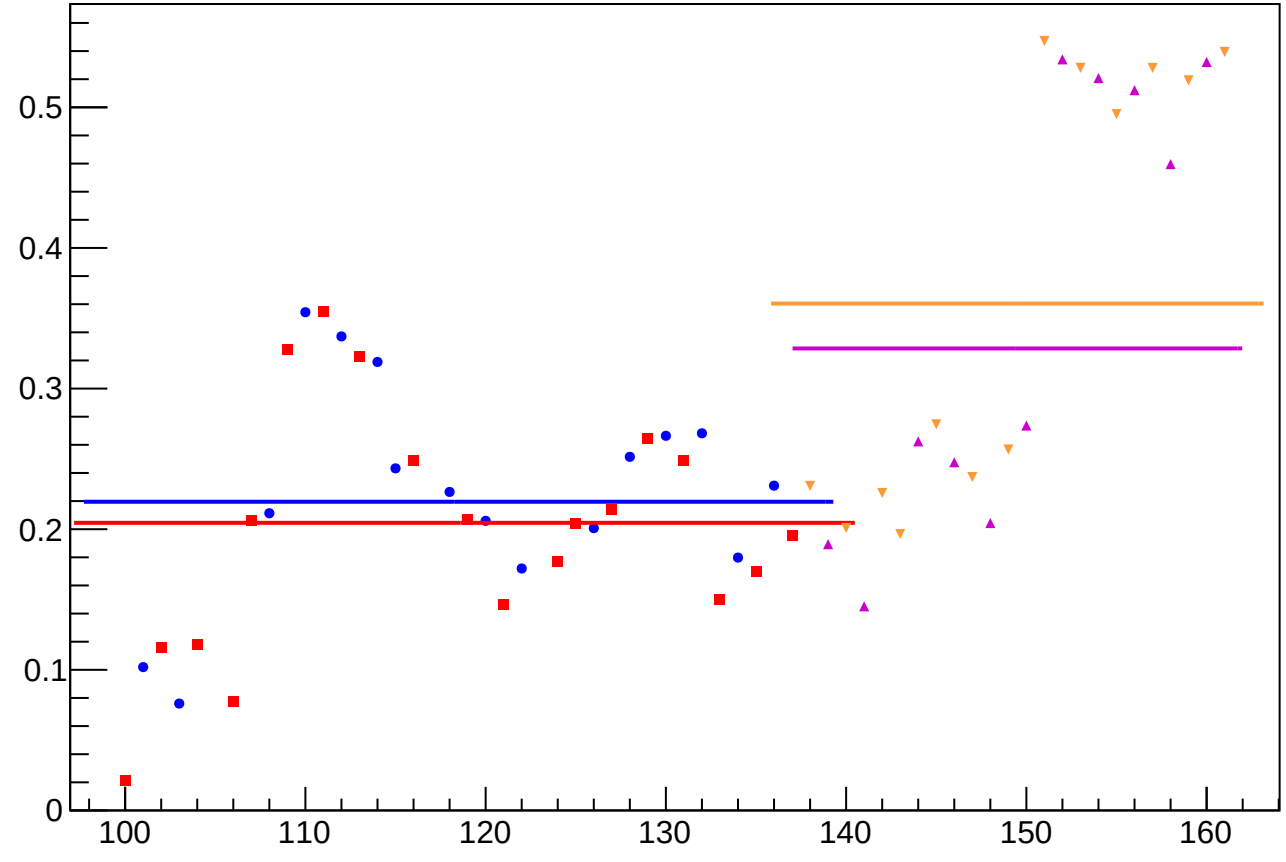
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2339871.6/26

Out: 0.004+/-0.000 χ^2/NDF:2359458.3/31

All: 0.004+/-0.000 χ^2/NDF: 4700536.5/58

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.360+/-0.000 χ^2/NDF:104319501685.3/12

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.329+/-0.000 χ^2/NDF:84708895346.9/10

Left: 0.346+/-0.000 χ^2/NDF: 191222300873.8/23

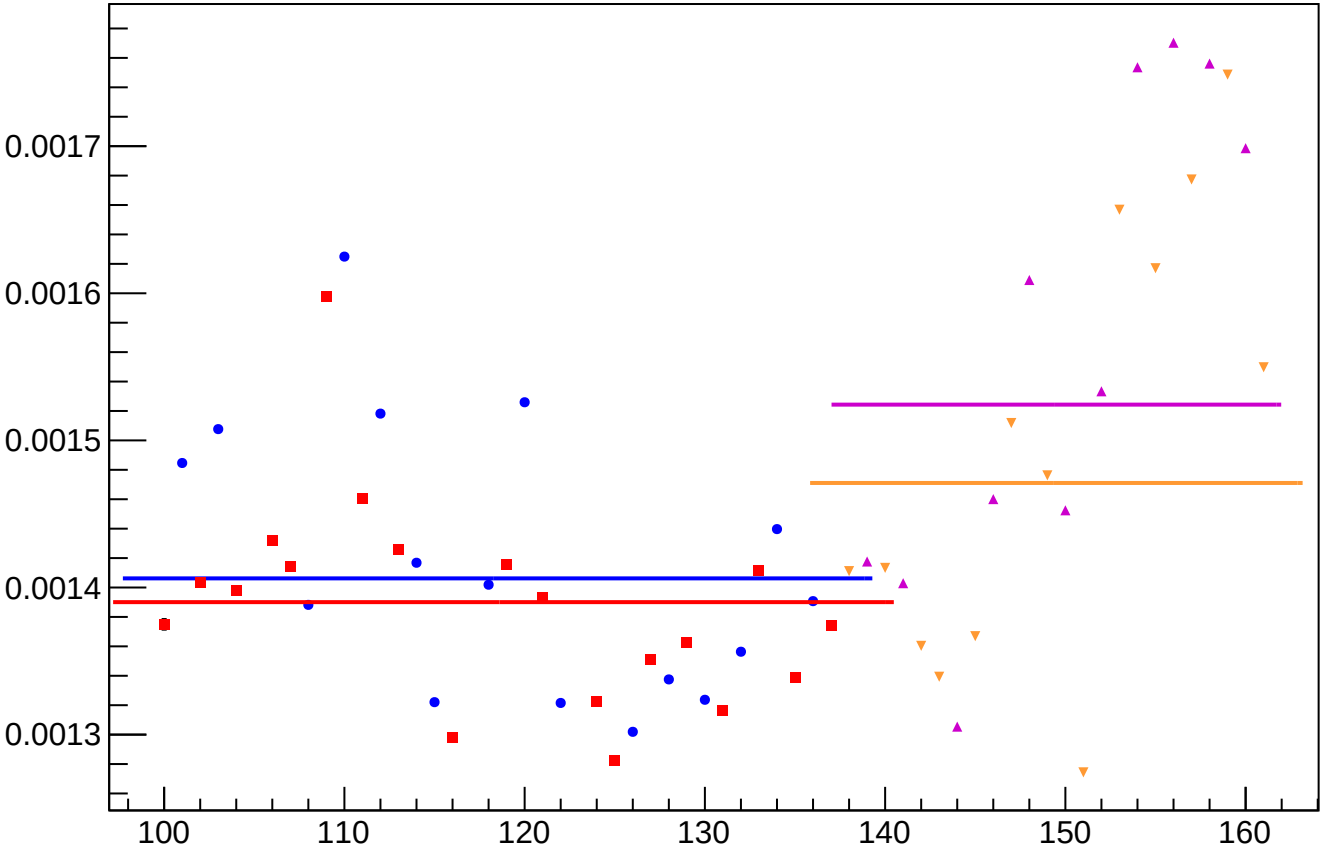
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.277+/-0.000 χ^2/NDF:123594359212.9/26

Out: 0.291+/-0.000 χ^2/NDF:177628035926.6/31

All: 0.284+/-0.000 χ^2/NDF: 301924318401.4

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:183224.2/12

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:193052.8/10

Left: 0.001+/-0.000 χ^2/NDF: 388477.4/23

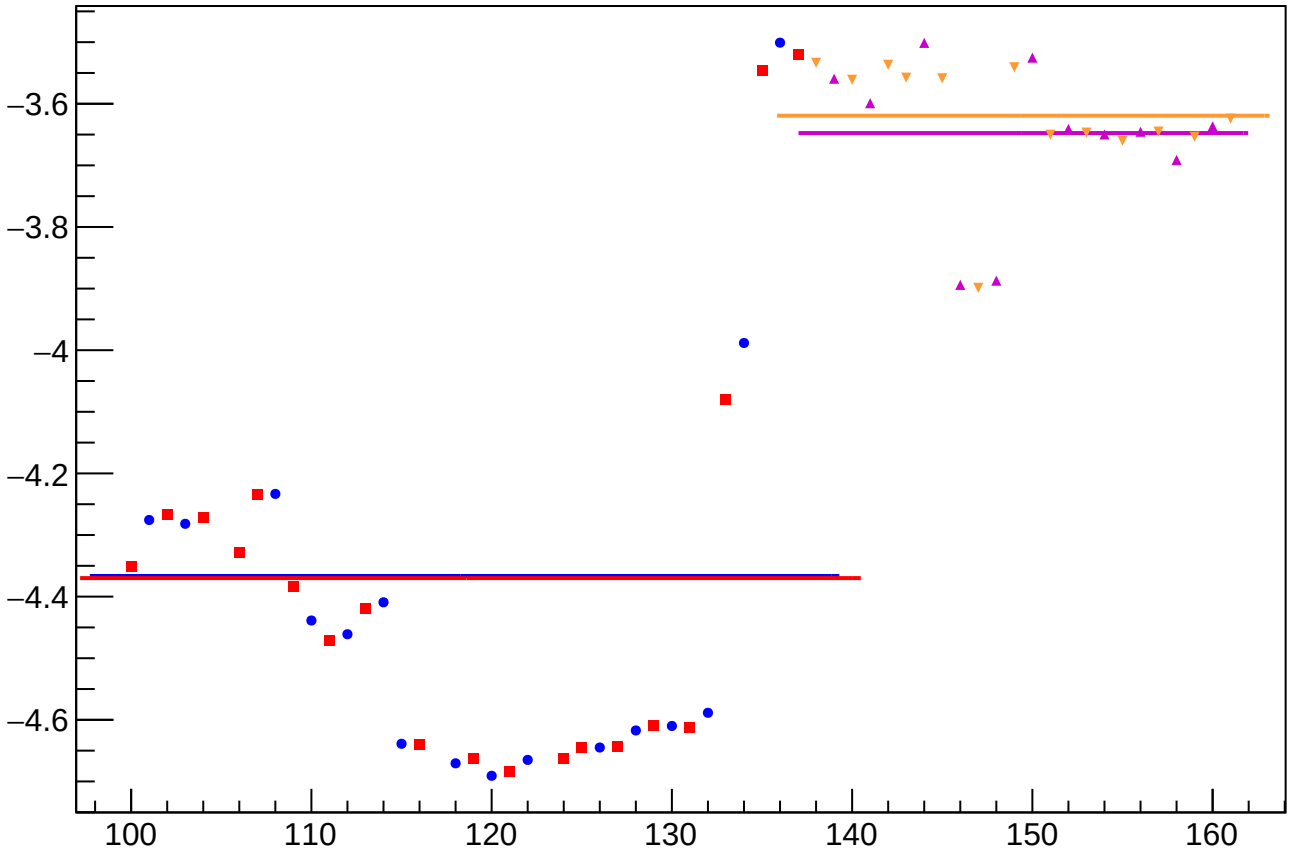
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:293260.8/26

Out: 0.001+/-0.000 χ^2/NDF:245537.0/31

All: 0.001+/-0.000 χ^2/NDF: 548054.6/58

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.619+/-0.000 χ^2/NDF:20321524240.9/12

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.648+/-0.000 χ^2/NDF:32932011633.4/10

Left: -3.632+/-0.000 χ^2/NDF: 54362460465.4/23

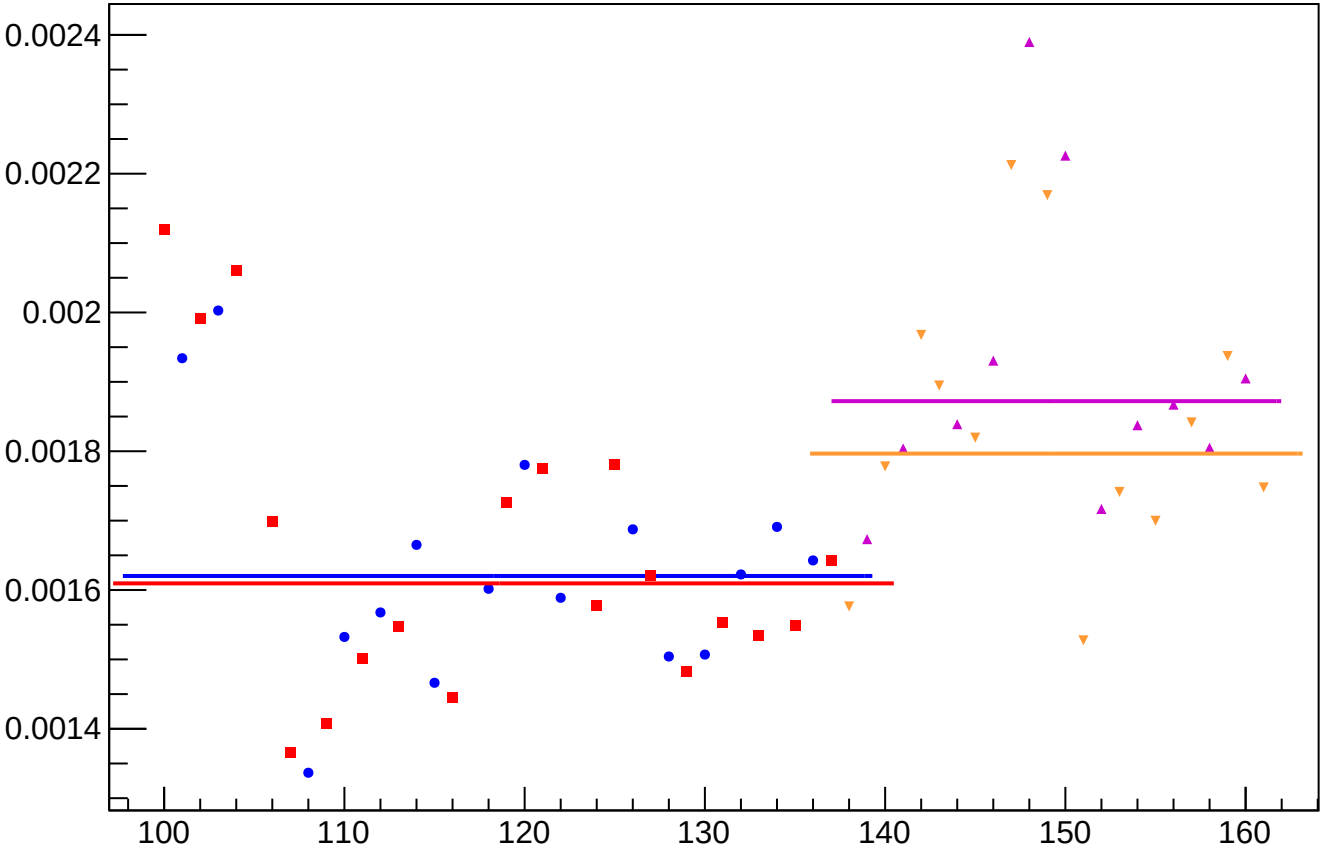
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.009+/-0.000 χ^2/NDF:1059629480658.4/26

Out: -3.975+/-0.000 χ^2/NDF:1130197605329.7/31

All: -3.991+/-0.000 χ^2/NDF: 2192872775153

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:210939.6/12

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:163319.7/10

Left: 0.002+/-0.000 χ^2/NDF: 390267.2/23

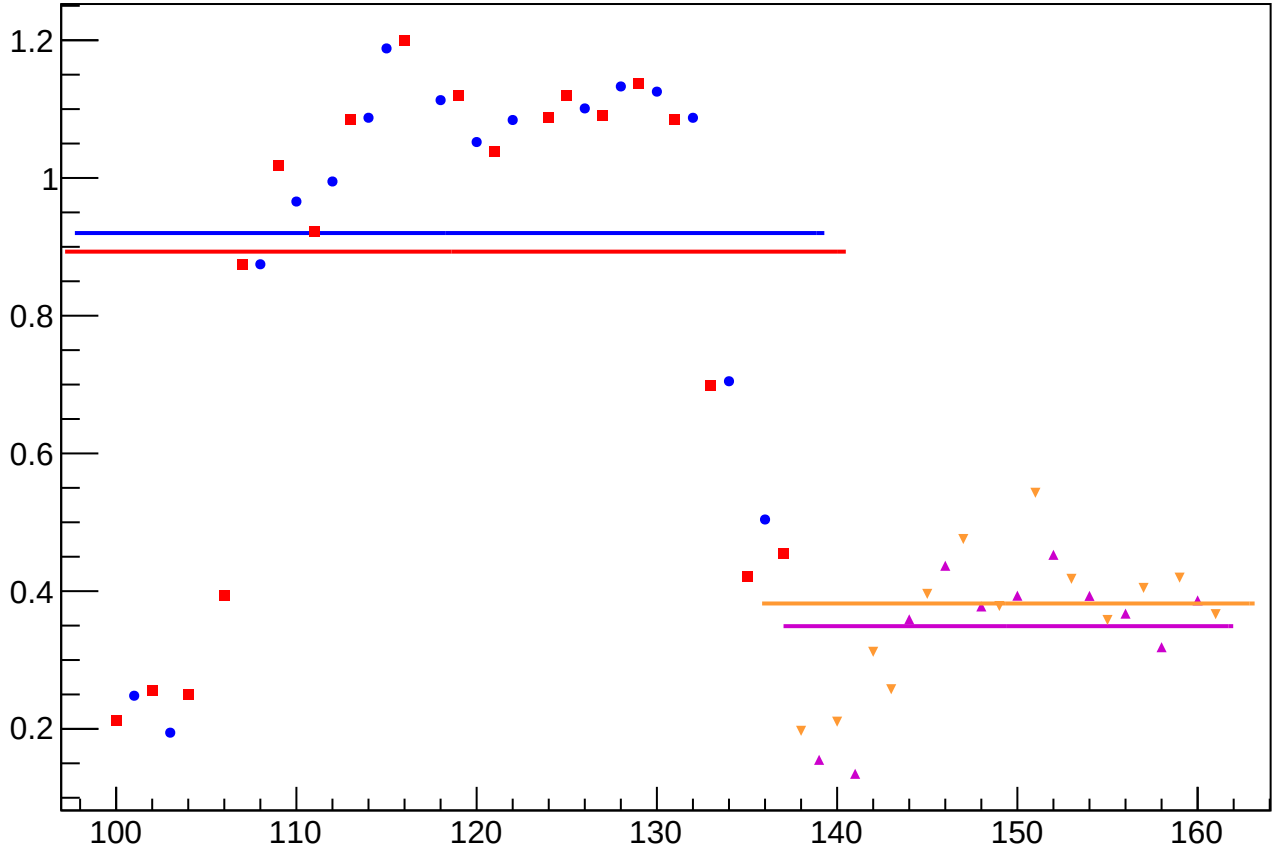
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:468978.4/26

Out: 0.002+/-0.000 χ^2/NDF:496960.2/31

All: 0.002+/-0.000 χ^2/NDF: 973751.9/58

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.382+/-0.000 χ^2/NDF:1668307695.3/12

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.349+/-0.000 χ^2/NDF:1384411097.6/10

Left: 0.367+/-0.000 χ^2/NDF: 3142776827.3/23

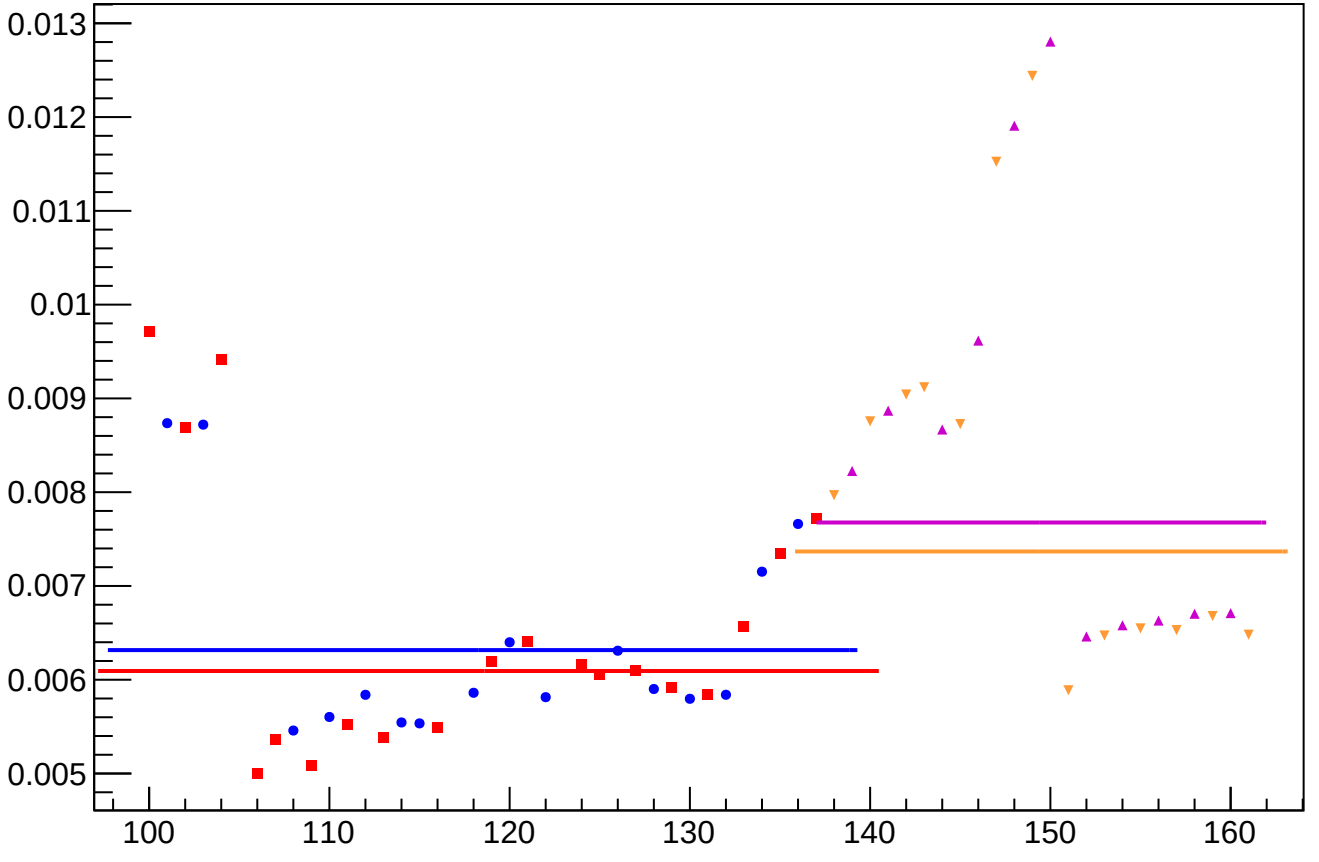
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.654+/-0.000 χ^2/NDF:42670781773.5/26

Out: 0.647+/-0.000 χ^2/NDF:43824587088.3/31

All: 0.650+/-0.000 χ^2/NDF: 86502263889.1/5

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:907973.0/12

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:852442.4/10

Left: 0.008+/-0.000 χ^2/NDF: 1776265.8/23

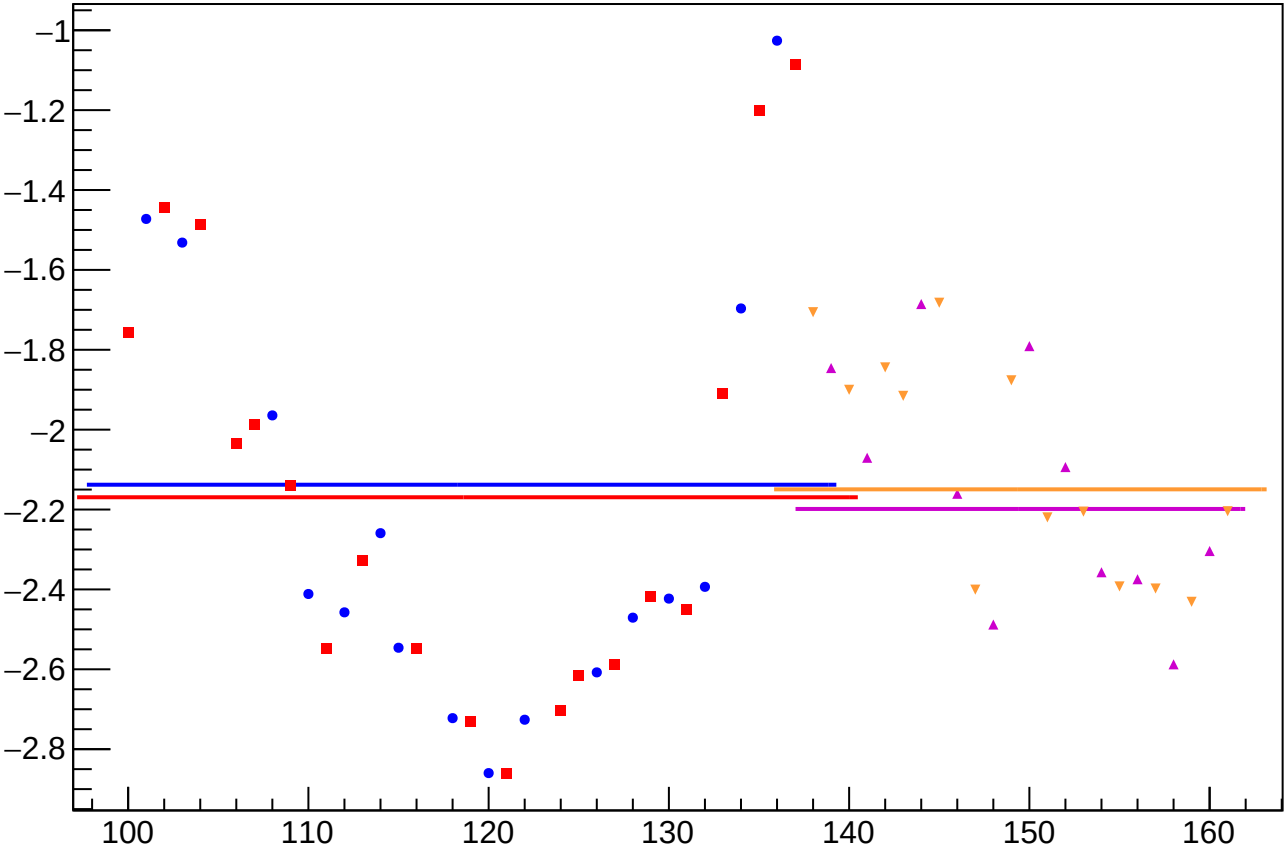
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1491724.3/26

Out: 0.007+/-0.000 χ^2/NDF:1649028.5/31

All: 0.007+/-0.000 χ^2/NDF: 3161835.1/58

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.149+/-0.000 χ^2/NDF:14724333553.3/12

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.199+/-0.000 χ^2/NDF:13965110700.8/10

Left: -2.172+/-0.000 χ^2/NDF: 28947136715.2/23

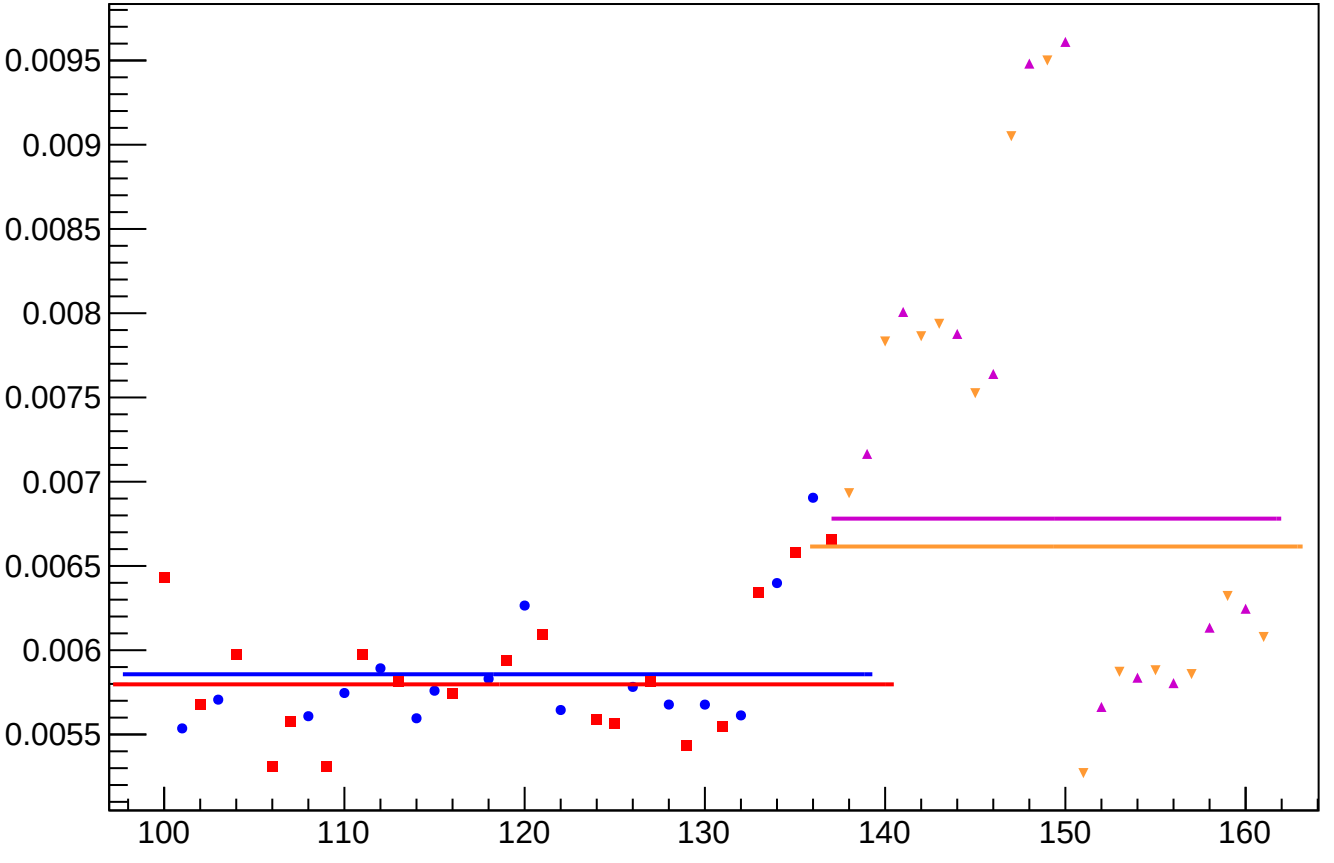
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.168+/-0.000 χ^2/NDF:80009086585.0/26

Out: -2.159+/-0.000 χ^2/NDF:72177771971.4/31

All: -2.163+/-0.000 χ^2/NDF: 152201816370.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:612569.1/12

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:584972.3/10

Left: 0.007+/-0.000 χ^2/NDF: 1203393.5/23

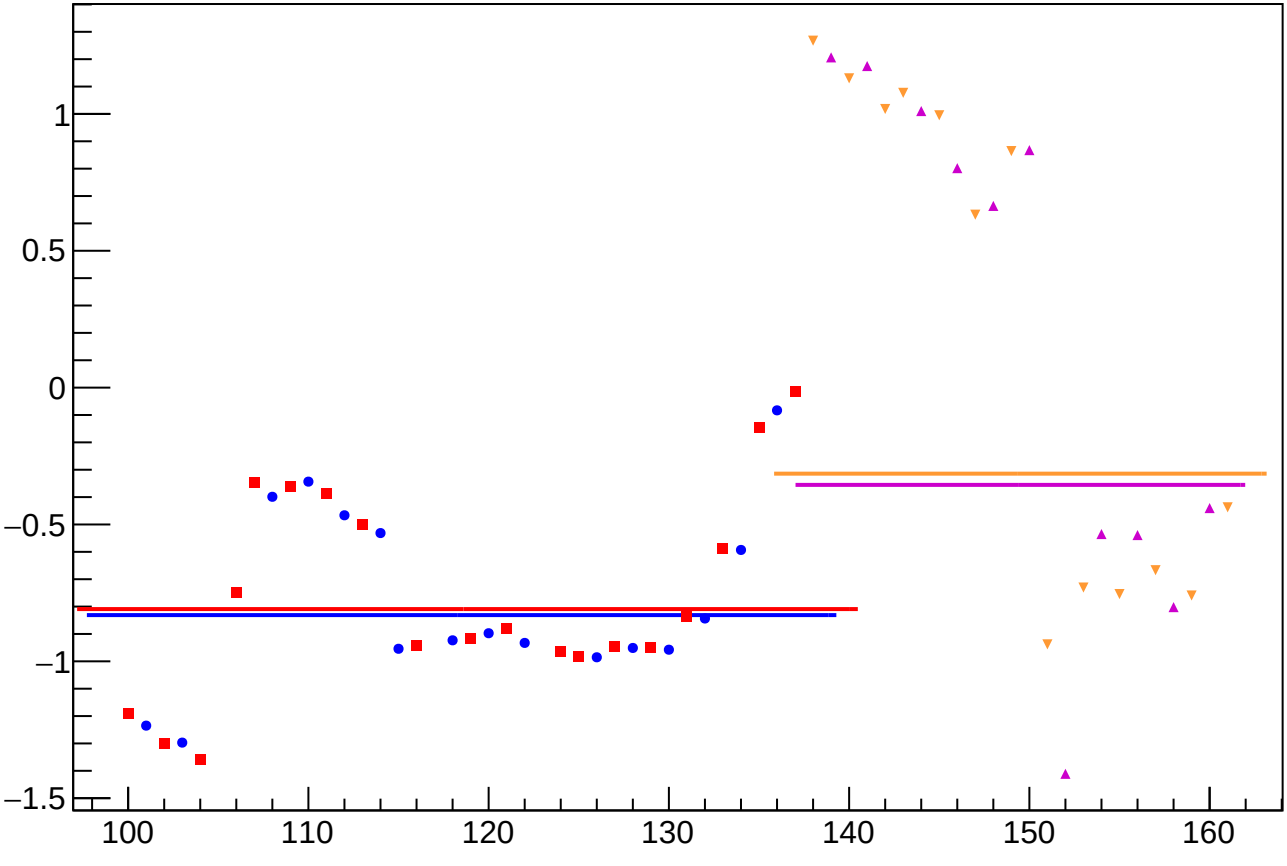
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:821833.2/26

Out: 0.006+/-0.000 χ^2/NDF:819601.8/31

All: 0.006+/-0.000 χ^2/NDF: 1645432.0/58

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.314+/-0.000 χ^2/NDF:76703859655.7/12

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.355+/-0.000 χ^2/NDF:86947460231.4/10

Left: -0.334+/-0.000 χ^2/NDF: 163762027265.5/23

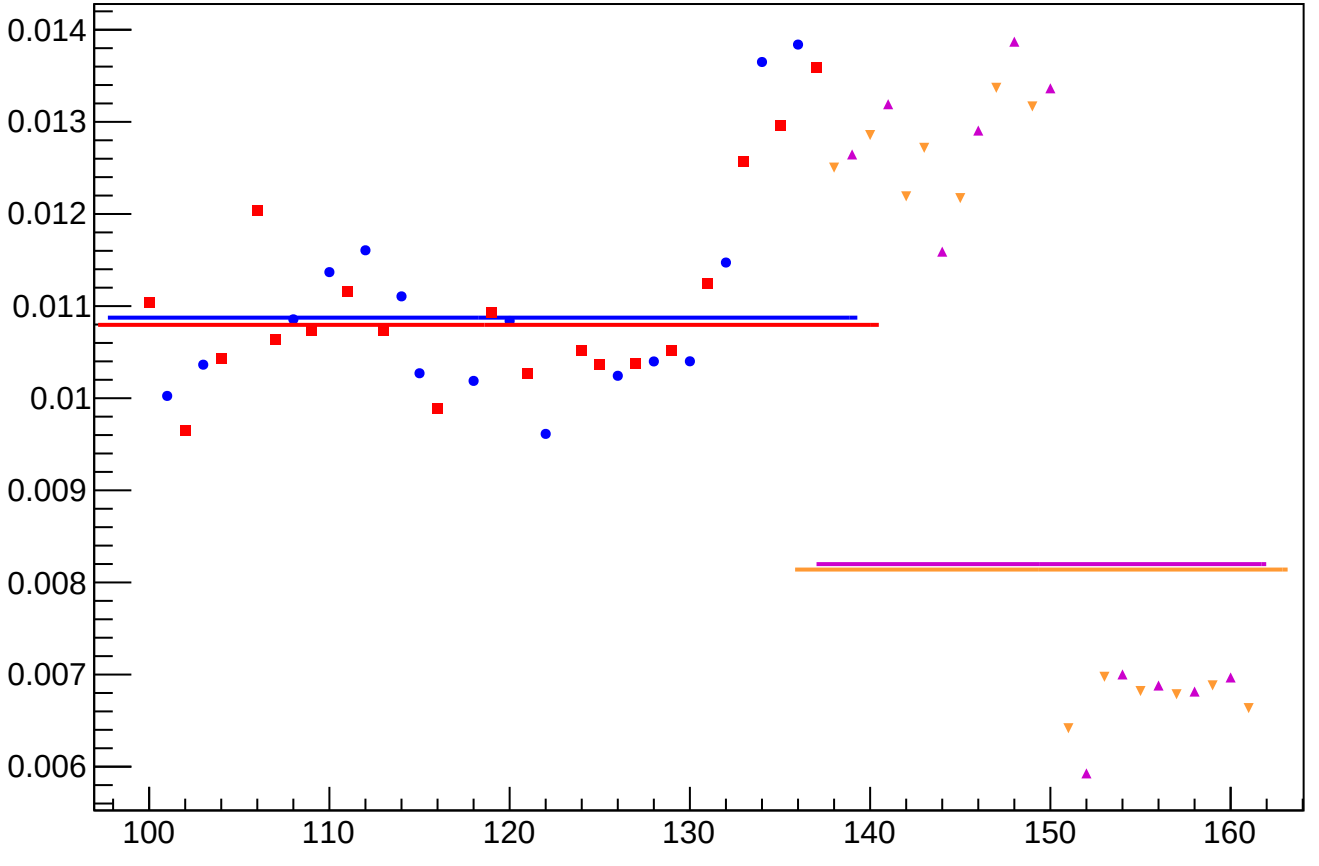
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.509+/-0.000 χ^2/NDF:103187804635.3/26

Out: -0.467+/-0.000 χ^2/NDF:95339591281.8/31

All: -0.487+/-0.000 χ^2/NDF: 198692457411.8

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1789355.7/12

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1848277.8/10

Left: 0.008+/-0.000 χ^2/NDF: 3638093.0/23

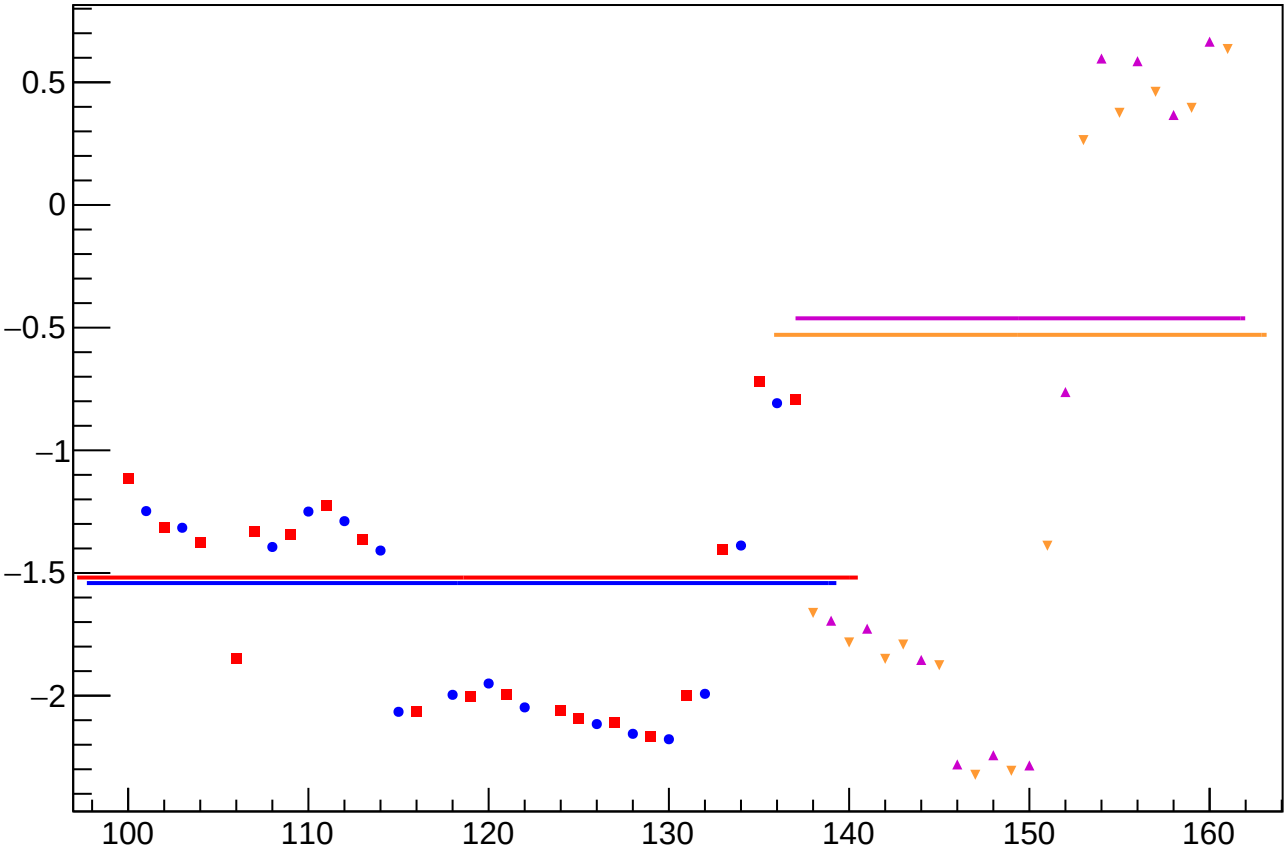
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.009+/-0.000 χ^2/NDF:2583331.1/26

Out: 0.009+/-0.000 χ^2/NDF:2493226.7/31

All: 0.009+/-0.000 χ^2/NDF: 5078495.3/58

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.529+/-0.000 χ^2/NDF:1497784808613.7/12

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -0.462+/-0.000 χ^2/NDF:1378815359441.1/10

Left: -0.498+/-0.000 χ^2/NDF: 2879049926066.1/23

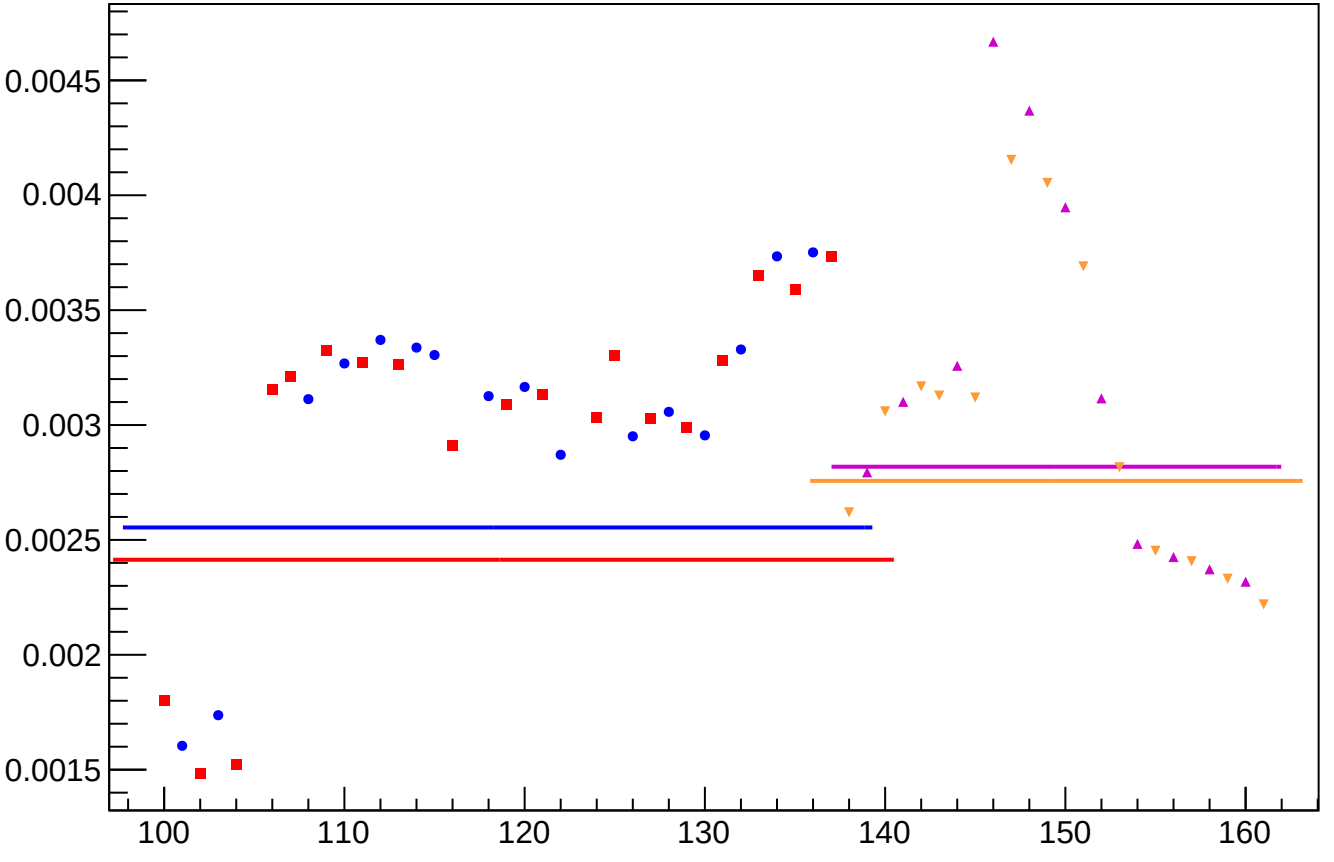
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.978+/-0.000 χ^2/NDF:2105038620288.4/26

Out: -0.991+/-0.000 χ^2/NDF:2174204357304.6/31

All: -0.985+/-0.000 χ^2/NDF: 4279393627635

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:630298.7/12

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:720771.4/10

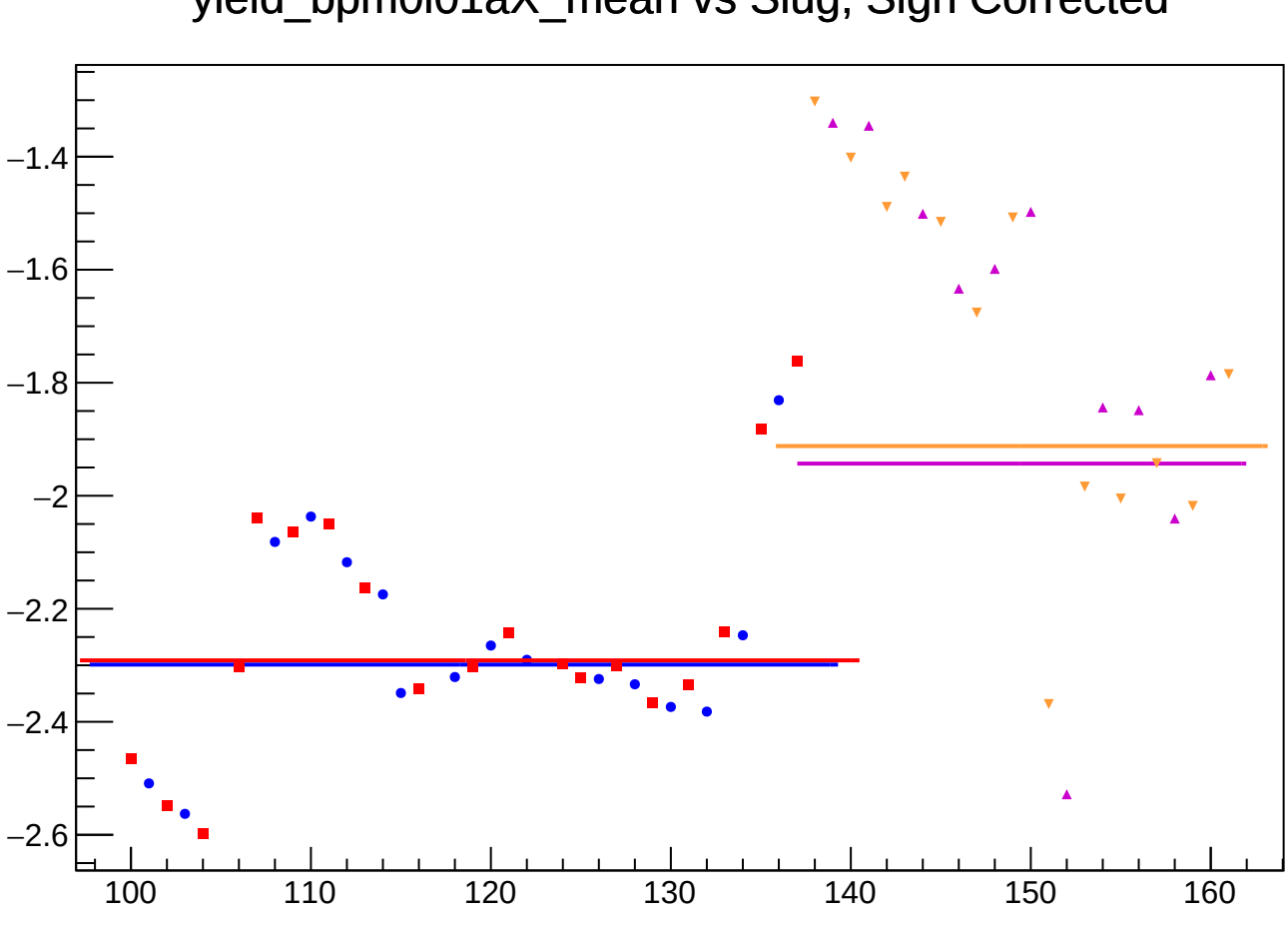
Left: 0.003+/-0.000 χ^2/NDF: 1355171.3/23

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

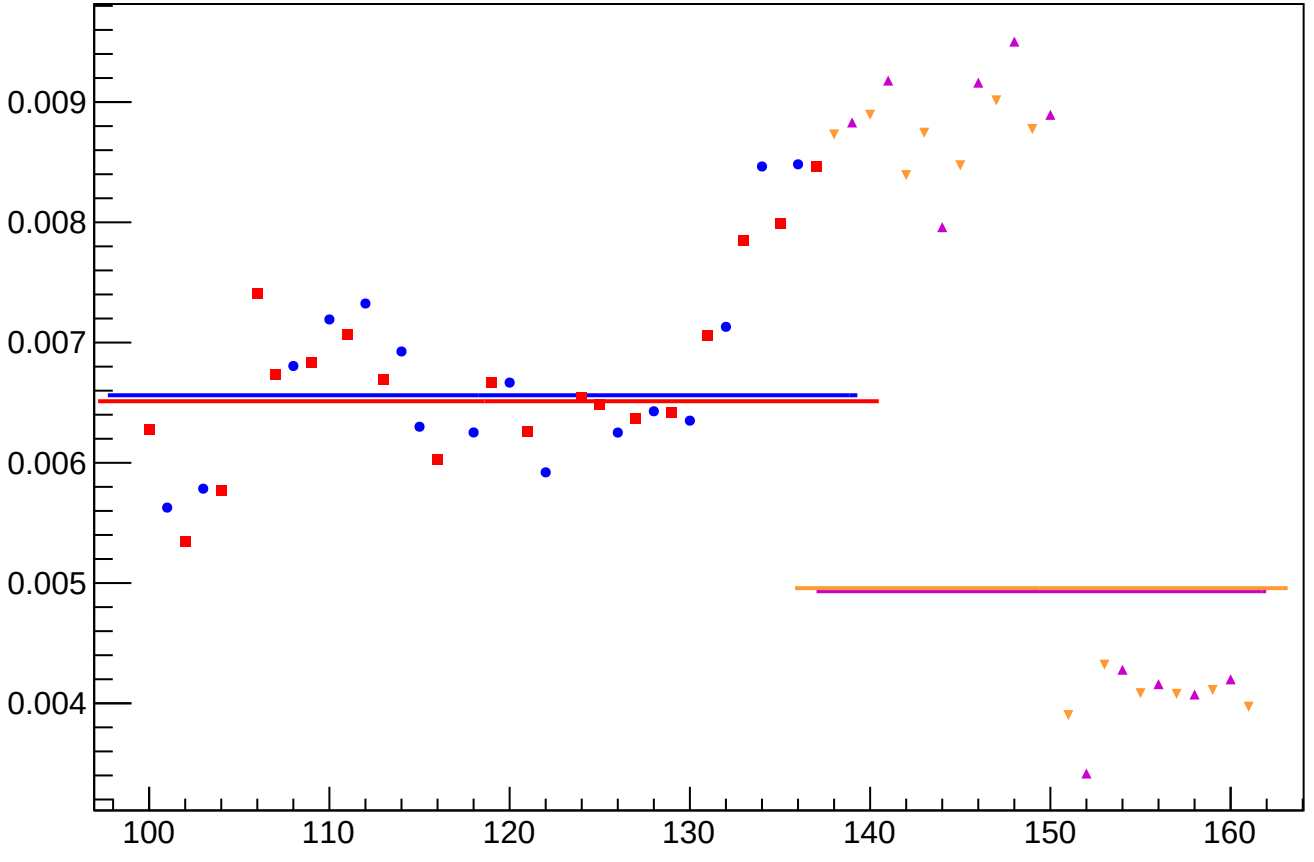
In: 0.003+/-0.000 χ^2/NDF:1960852.4/26

Out: 0.003+/-0.000 χ^2/NDF:2305034.9/31

All: 0.003+/-0.000 χ^2/NDF: 4284456.7/58


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.912+/-0.000 χ²/NDF:25843368358.1/12
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.943+/-0.000 χ²/NDF:40734010346.8/10
Left: -1.927+/-0.000 χ²/NDF: 66740371753.6/23
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.061+/-0.000 χ²/NDF:60465587911.6/26
Out: -2.034+/-0.000 χ²/NDF:49037828606.4/31
All: -2.047+/-0.000 χ²/NDF: 109690395257.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2384702.7/12

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2533818.9/10

Left: 0.005+/-0.000 χ^2/NDF: 4918740.7/23

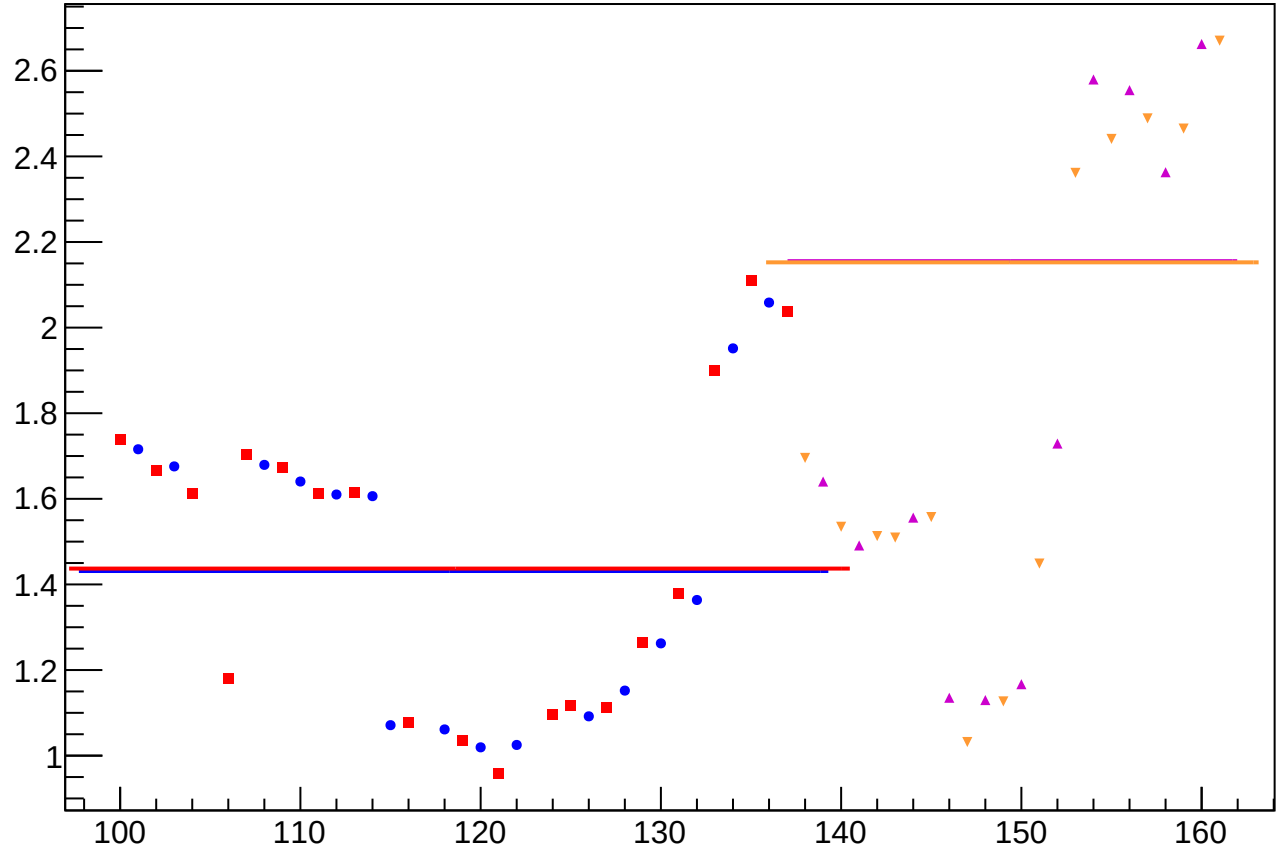
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3326753.8/26

Out: 0.005+/-0.000 χ^2/NDF:3119497.2/31

All: 0.005+/-0.000 χ^2/NDF: 6446381.5/58

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.152+/-0.000 χ^2/NDF:160304758805.0/12

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.155+/-0.000 χ^2/NDF:150653309231.2/10

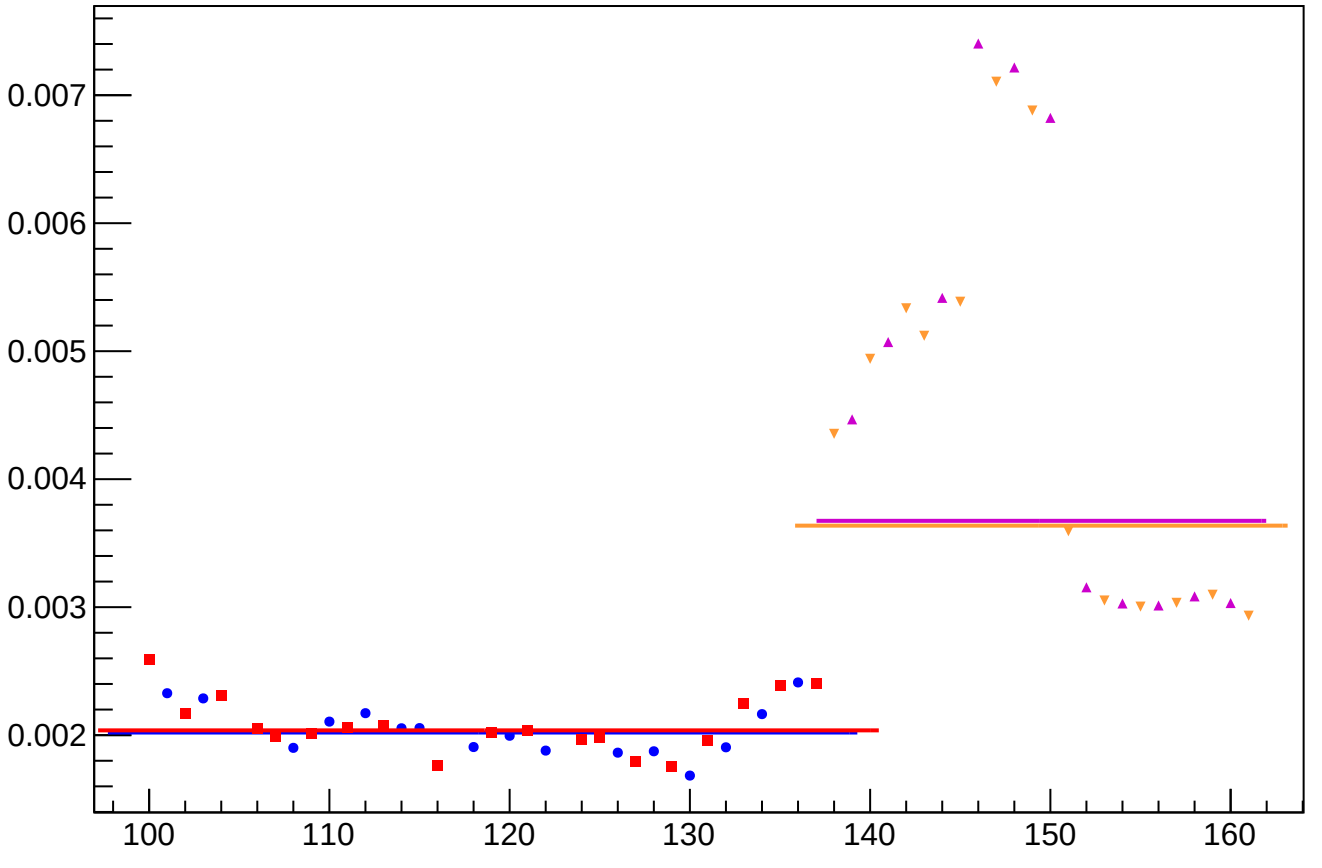
Left: 2.154+/-0.000 χ^2/NDF: 310960490642.3/23

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.624+/-0.000 χ^2/NDF:566080321888.9/26

Out: 1.644+/-0.000 χ^2/NDF:584470879501.6/31

All: 1.634+/-0.000 χ^2/NDF: 1151043902321.



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1464861.8/12

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1667295.6/10

Left: 0.004+/-0.000 χ^2/NDF: 3133042.0/23

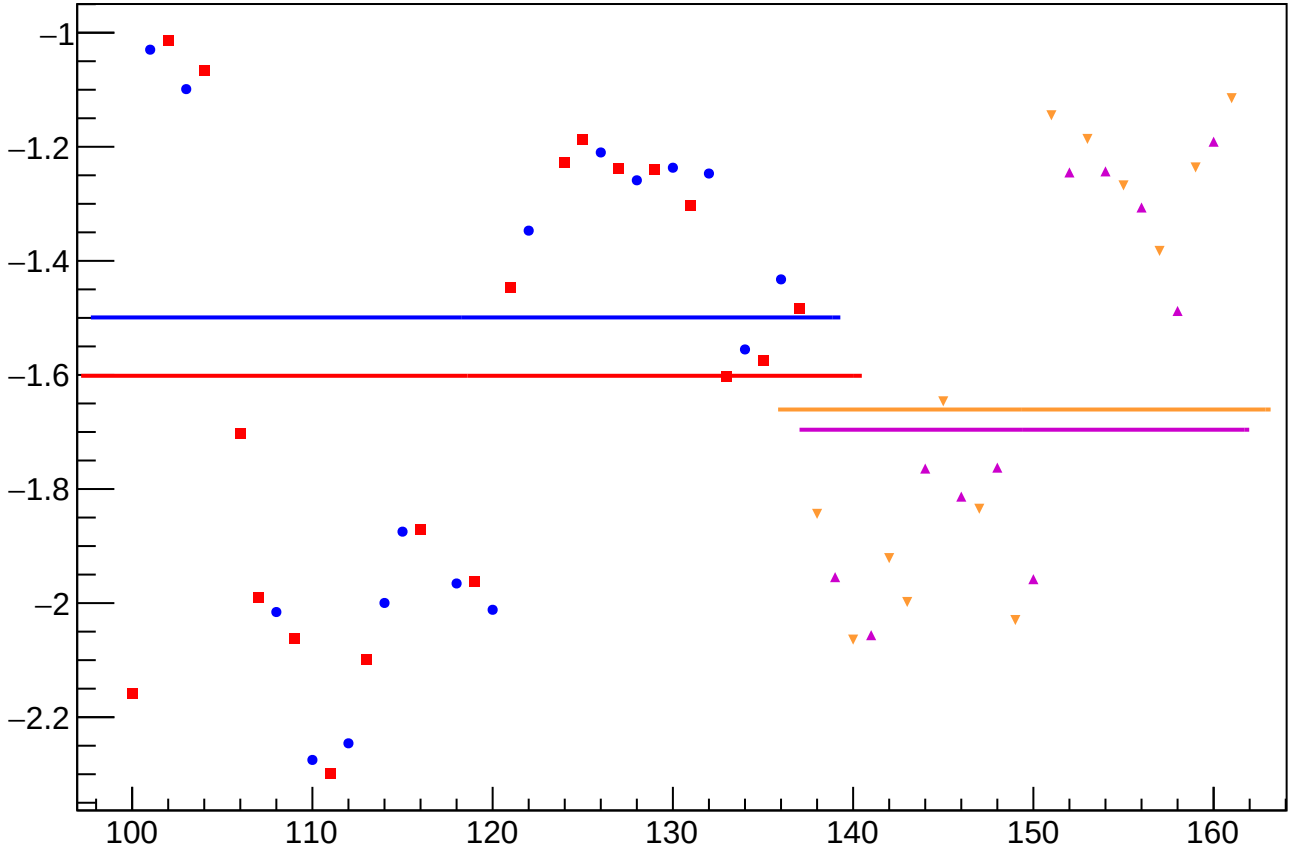
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:4184243.5/26

Out: 0.003+/-0.000 χ^2/NDF:3998912.9/31

All: 0.002+/-0.000 χ^2/NDF: 8187033.1/58

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.661+/-0.000 χ^2/NDF:28947674294.6/12

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.696+/-0.000 χ^2/NDF:18326867043.2/10

Left: -1.677+/-0.000 χ^2/NDF: 47406247767.5/23

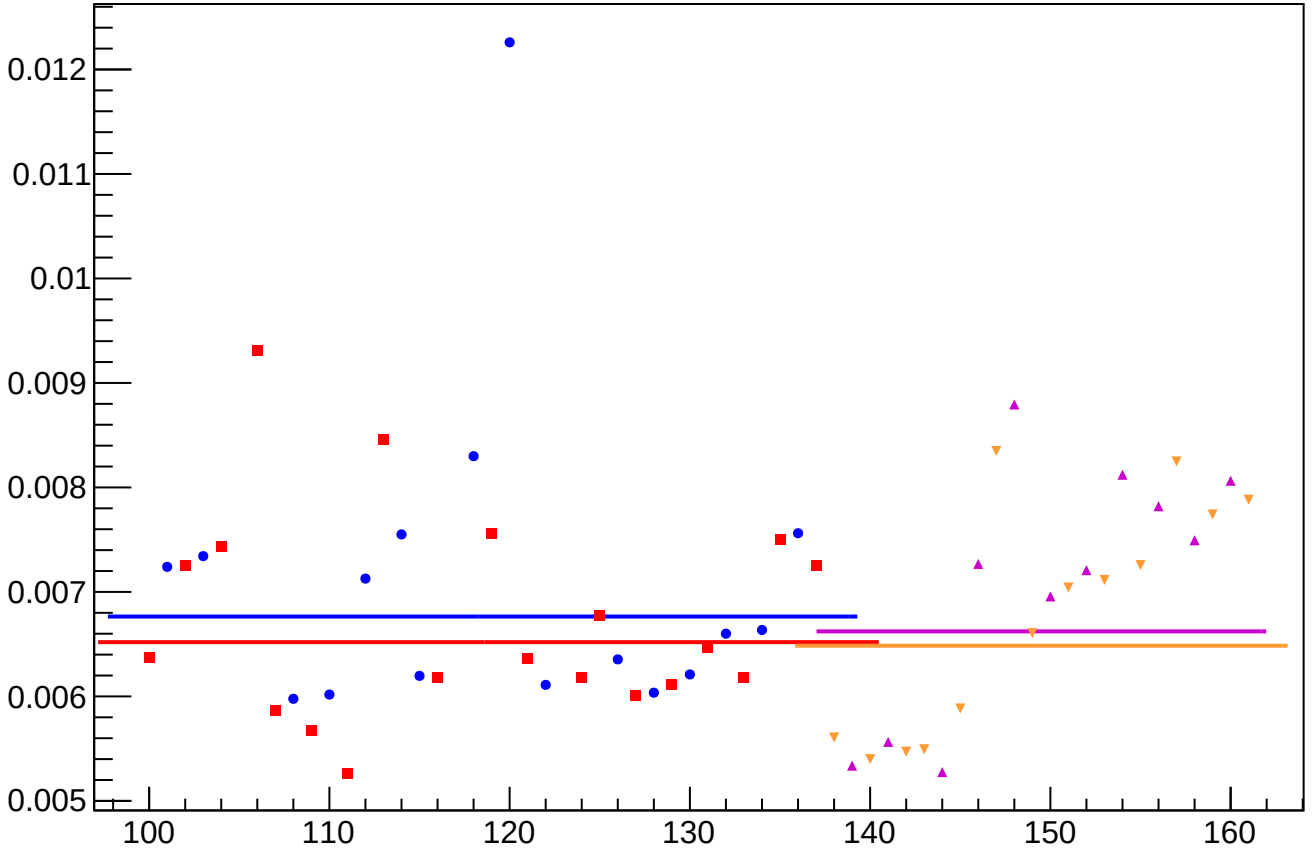
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.613+/-0.000 χ^2/NDF:44445590051.7/26

Out: -1.636+/-0.000 χ^2/NDF:57602616326.1/31

All: -1.625+/-0.000 χ^2/NDF: 102139310722.1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:472716.5/12

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:549960.9/10

Left: 0.007+/-0.000 χ^2/NDF: 1026627.2/23

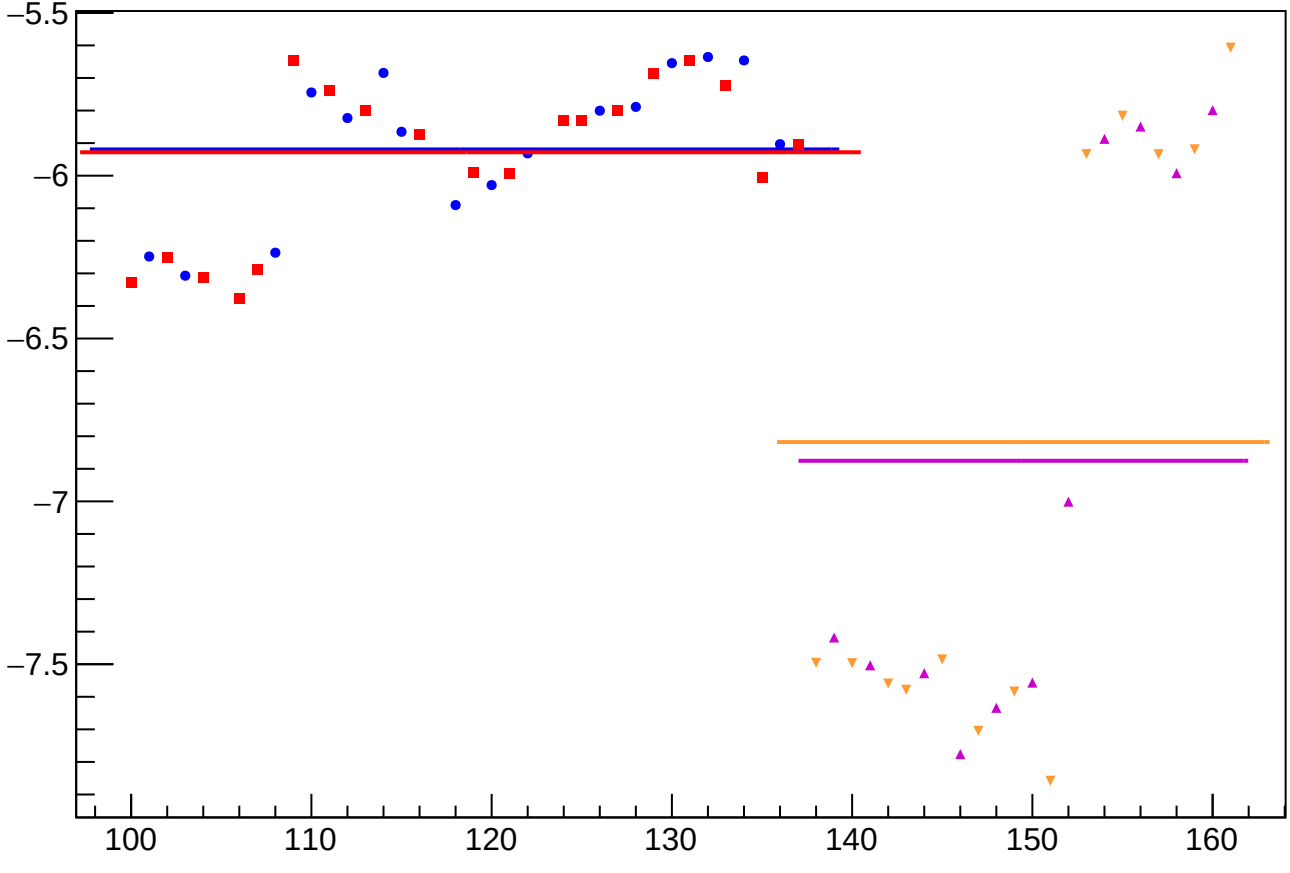
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:791853.8/26

Out: 0.006+/-0.000 χ^2/NDF:718365.1/31

All: 0.007+/-0.000 χ^2/NDF: 1522259.3/58

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.818+/-0.000 χ^2/NDF:69516351342.6/12

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.875+/-0.000 χ^2/NDF:47471545549.6/10

Left: -6.845+/-0.000 χ^2/NDF: 117123694070.3/23

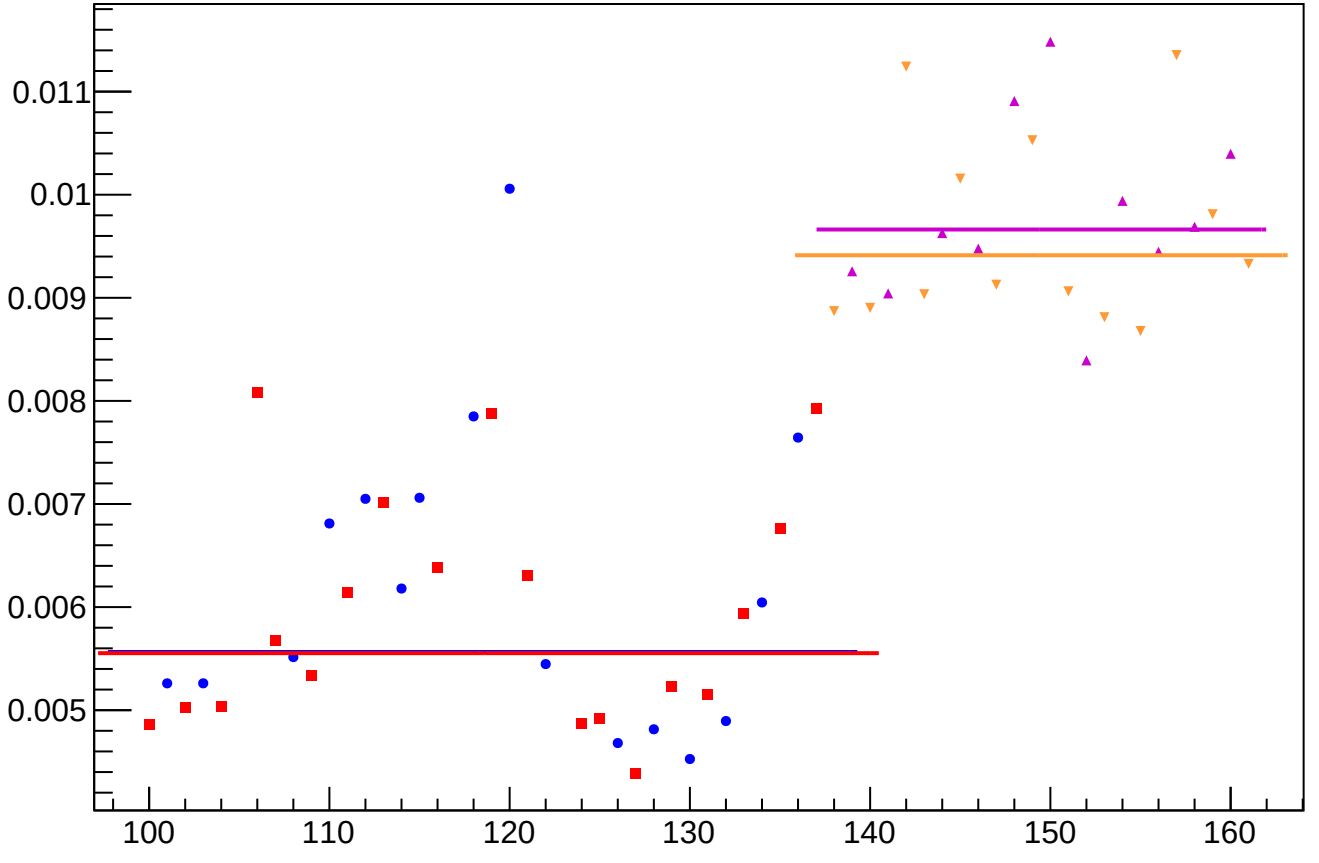
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.187+/-0.000 χ^2/NDF:109998184956.3/26

Out: -6.190+/-0.000 χ^2/NDF:131240618145.4/31

All: -6.189+/-0.000 χ^2/NDF: 241239686481.9

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:106549.2/12

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:99383.7/10

Left: 0.010+/-0.000 χ^2/NDF: 211063.7/23

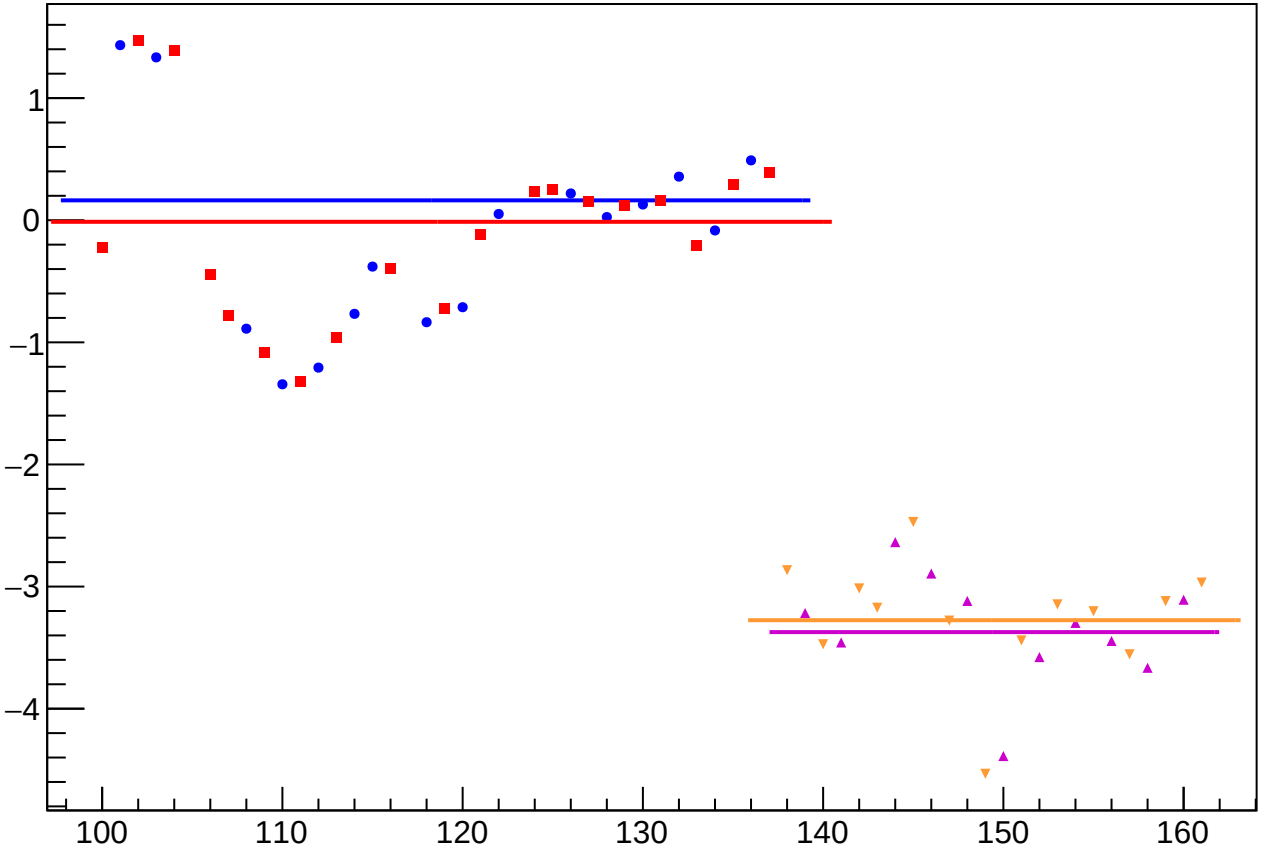
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2461503.4/26

Out: 0.007+/-0.000 χ^2/NDF:2318037.0/31

All: 0.007+/-0.000 χ^2/NDF: 4779713.8/58

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.275+/-0.000 χ^2/NDF:6905611069.5/12

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.373+/-0.000 χ^2/NDF:5229796555.8/10

Left: -3.321+/-0.000 χ^2/NDF: 12276815849.1/23

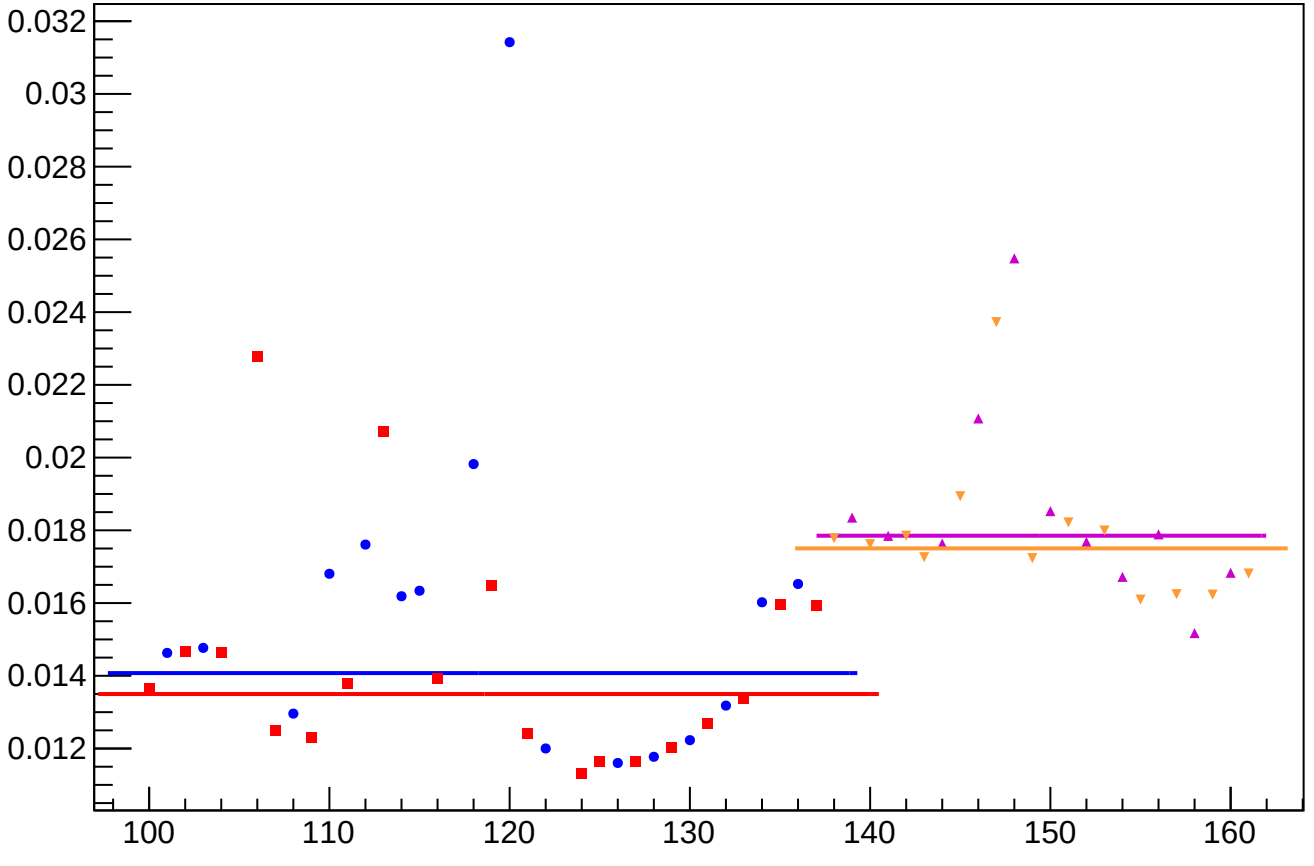
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.490+/-0.000 χ^2/NDF:209220532835.6/26

Out: -1.518+/-0.000 χ^2/NDF:211918440272.1/31

All: -1.505+/-0.000 χ^2/NDF: 421163031293.6

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:151622.7/12

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243006.4/10

Left: 0.018+/-0.000 χ^2/NDF: 398256.0/23

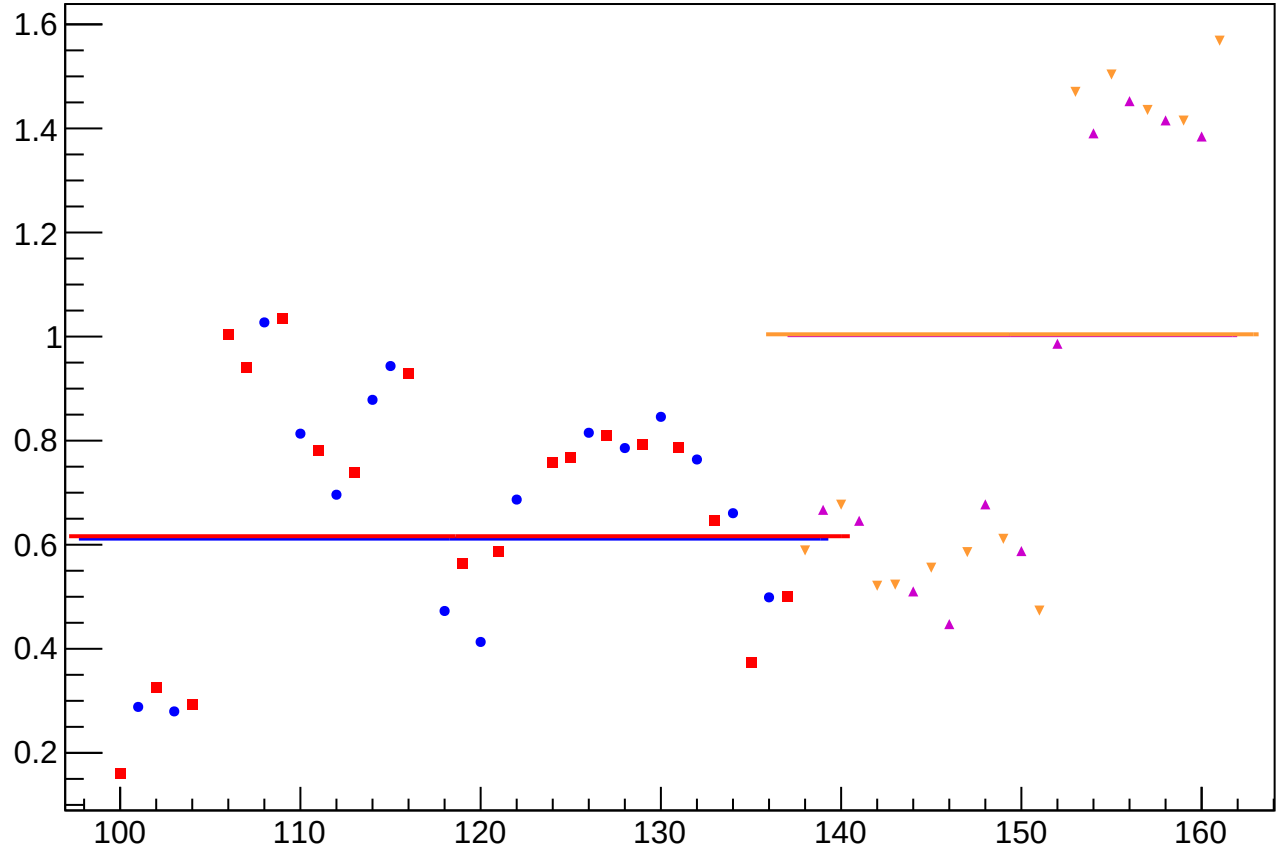
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1133273.4/26

Out: 0.015+/-0.000 χ^2/NDF:1016461.2/31

All: 0.016+/-0.000 χ^2/NDF: 2165434.4/58

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.004+/-0.000 χ^2/NDF:28521362771.0/12

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.003+/-0.000 χ^2/NDF:20748615888.3/10

Left: 1.004+/-0.000 χ^2/NDF: 49270157516.3/23

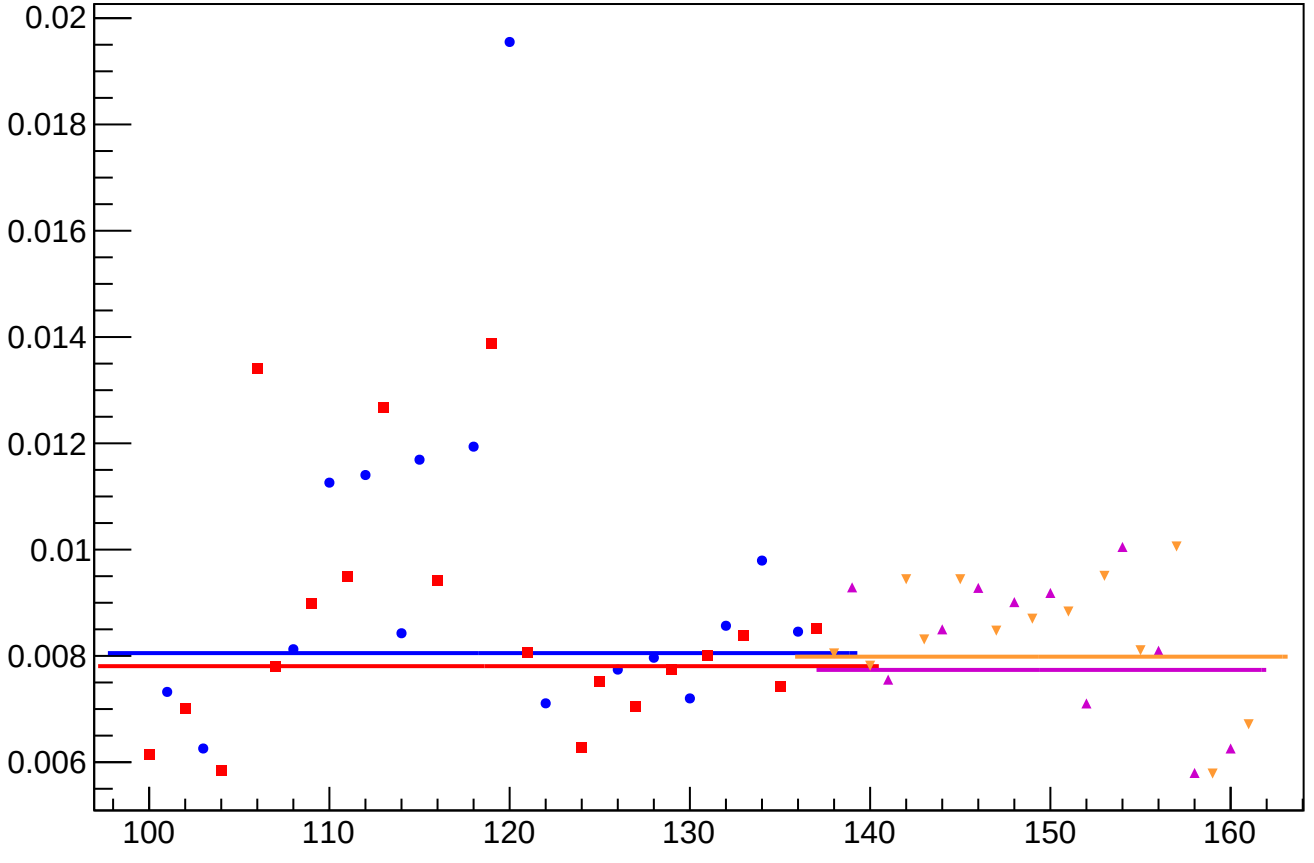
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.843+/-0.000 χ^2/NDF:34922583841.3/26

Out: 0.837+/-0.000 χ^2/NDF:43932381455.8/31

All: 0.840+/-0.000 χ^2/NDF: 78859583794.4/5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:456896.7/12

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:524962.9/10

Left: 0.008+/-0.000 χ^2/NDF: 990366.2/23

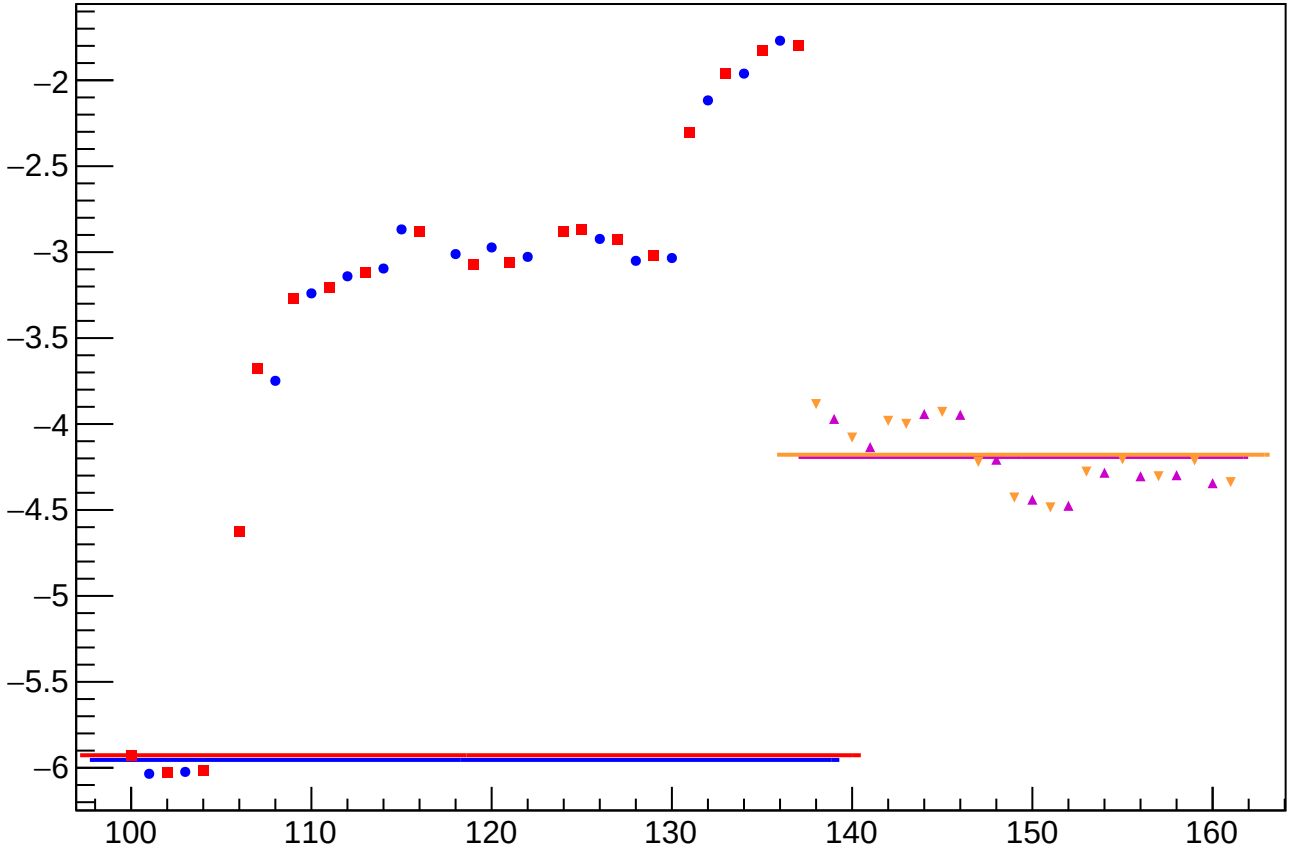
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1134422.6/26

Out: 0.008+/-0.000 χ^2/NDF:1047858.5/31

All: 0.008+/-0.000 χ^2/NDF: 2182708.6/58

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.179+/-0.000 χ^2/NDF:52367497.4/12

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.192+/-0.000 χ^2/NDF:39232400.0/10

Left: -4.186+/-0.000 χ^2/NDF: 91704362.6/23

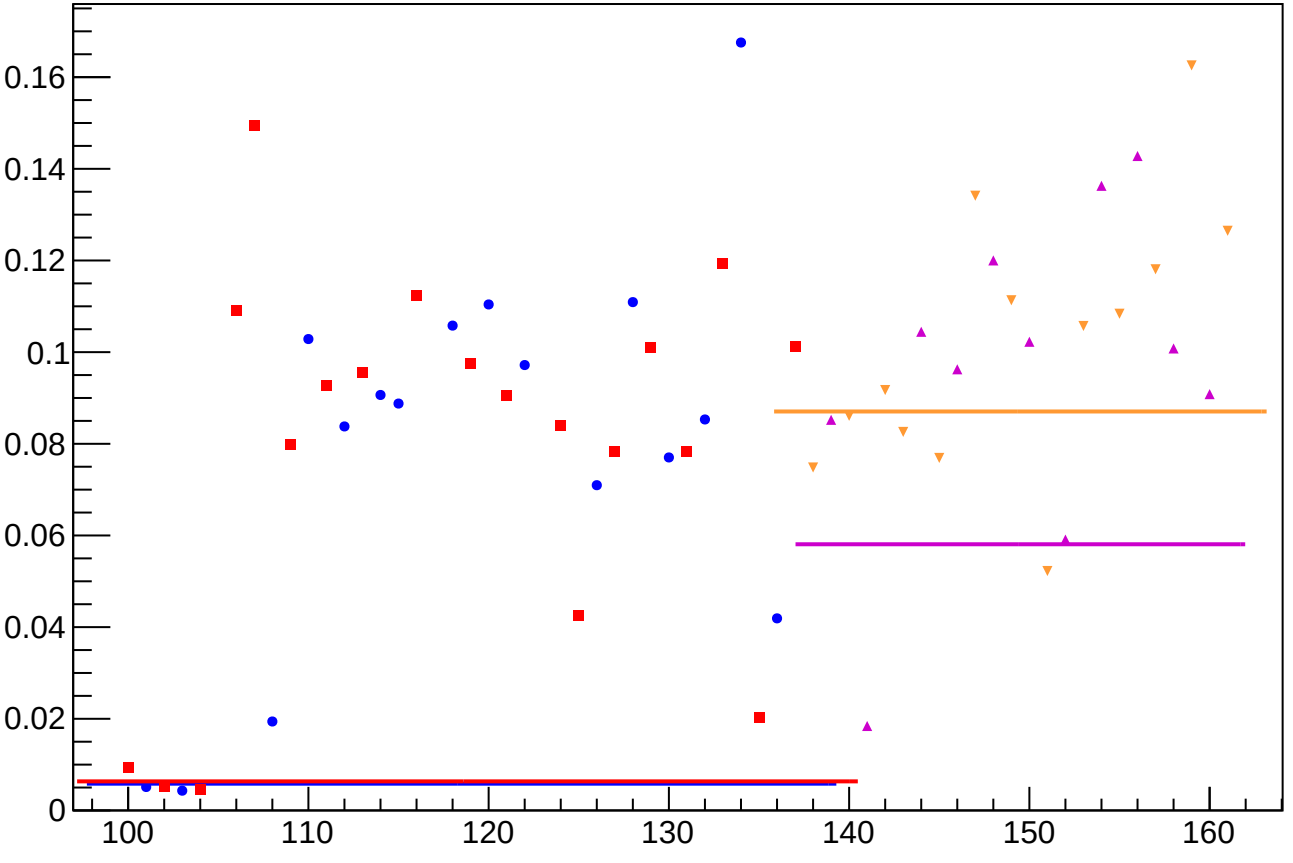
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.906+/-0.000 χ^2/NDF:17543313579.3/26

Out: -5.884+/-0.000 χ^2/NDF:17176762441.4/31

All: -5.896+/-0.000 χ^2/NDF: 34731604655.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.087+/-0.000 χ^2/NDF:1475535.5/12

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.058+/-0.000 χ^2/NDF:4899961.6/10

Left: 0.070+/-0.000 χ^2/NDF: 7413761.8/23

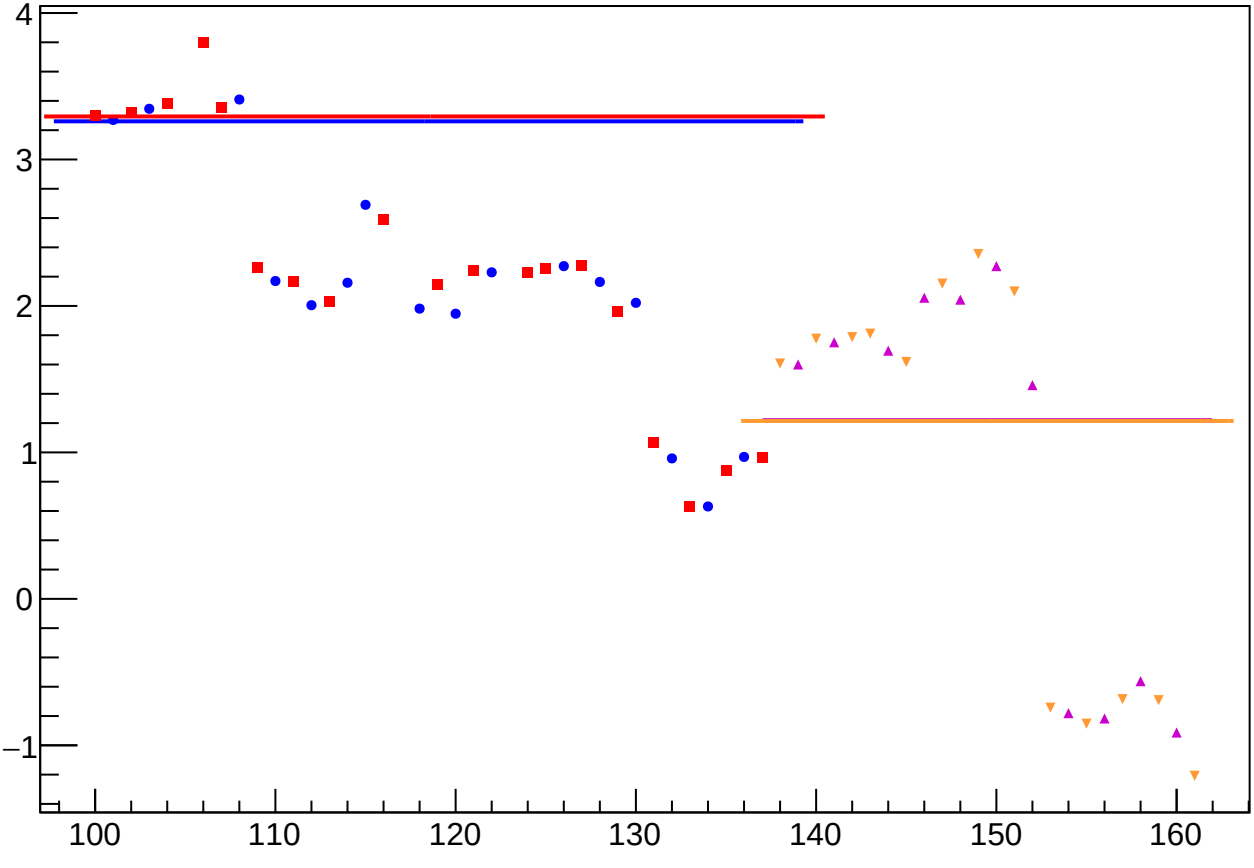
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:21338128.8/26

Out: 0.008+/-0.000 χ^2/NDF:23872404.9/31

All: 0.008+/-0.000 χ^2/NDF: 45264350.6/58

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.215+/-0.000 χ^2/NDF:1337403041.6/12

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.220+/-0.000 χ^2/NDF:1058748805.6/10

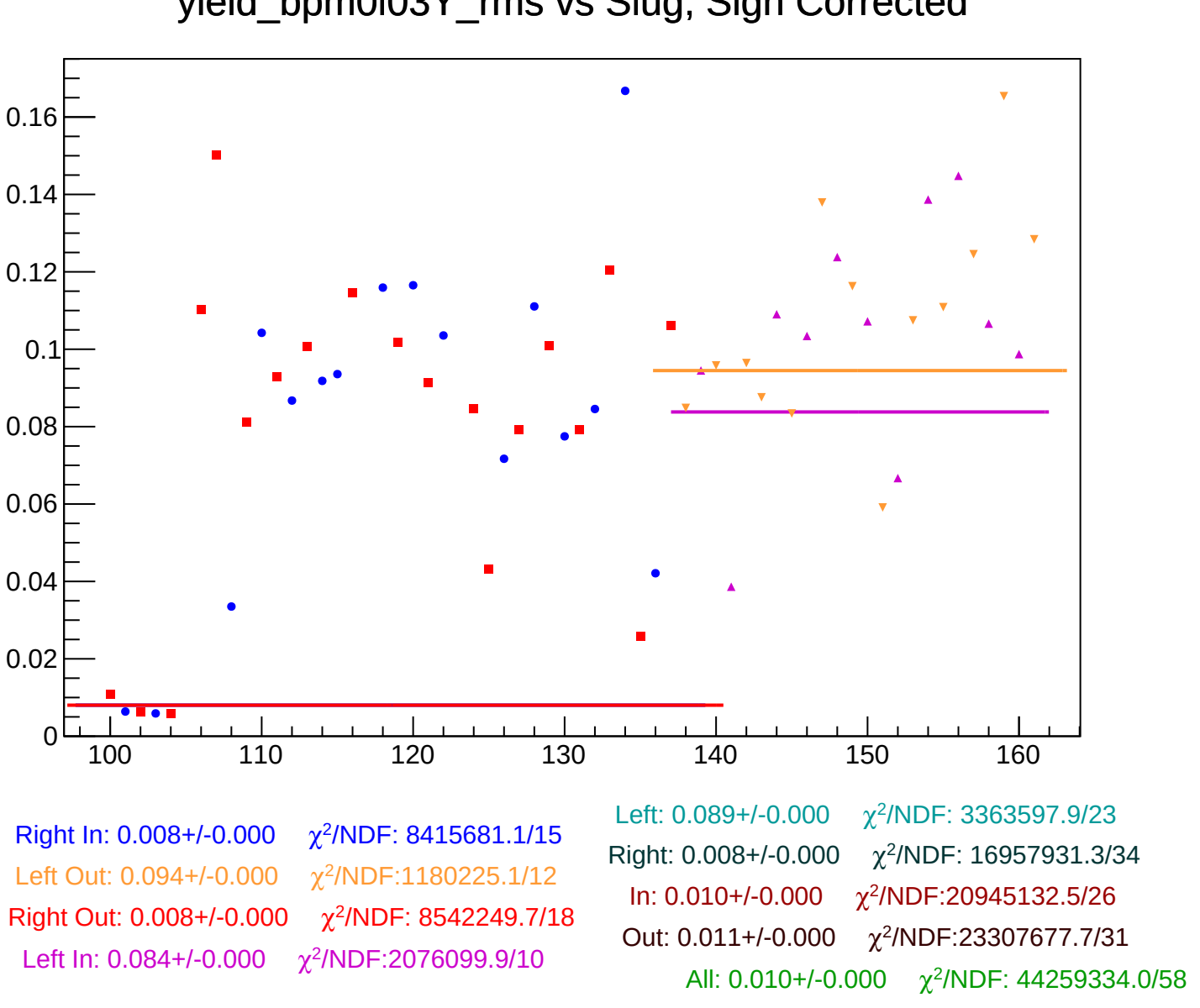
Left: 1.218+/-0.000 χ^2/NDF: 2396165036.0/23

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

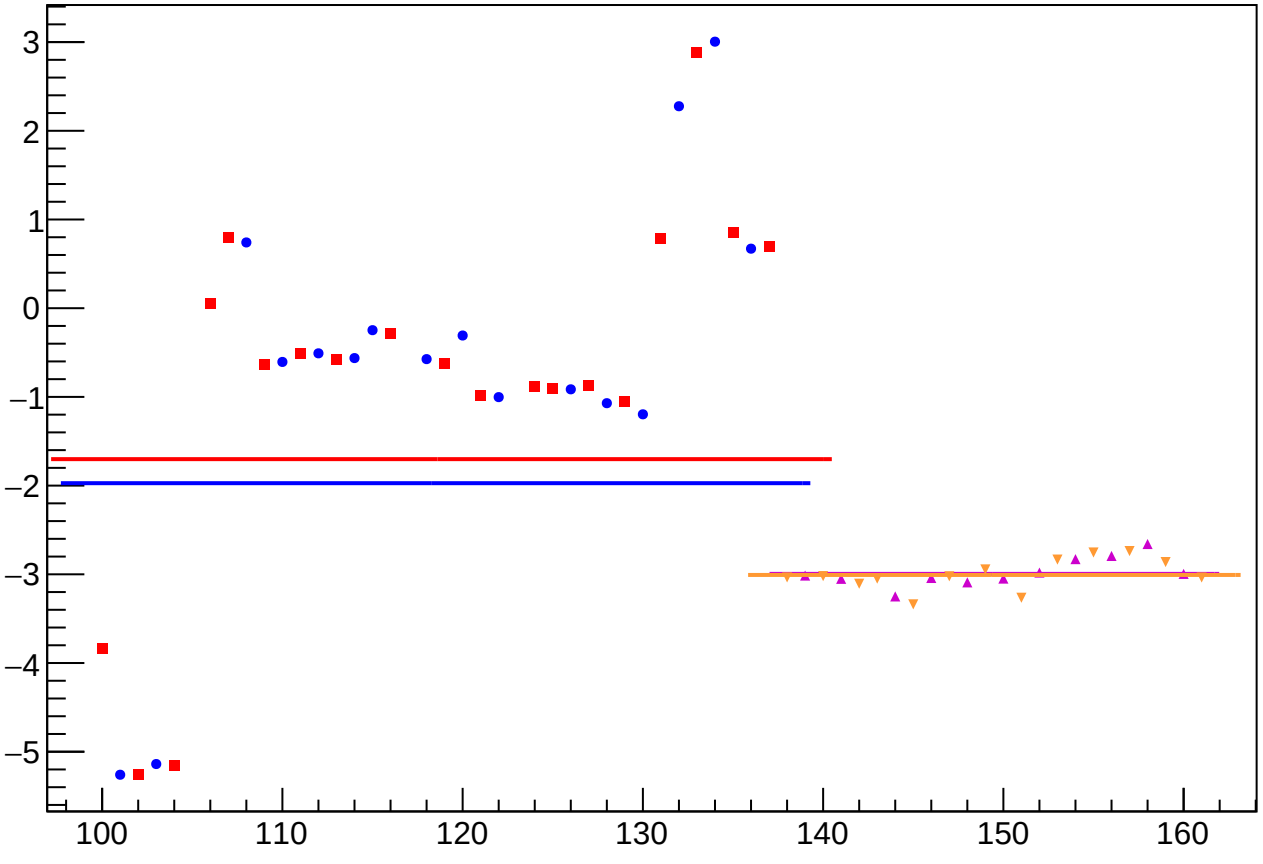
In: 3.201+/-0.000 χ^2/NDF:7858530418.8/26

Out: 3.229+/-0.000 χ^2/NDF:8507321219.4/31

All: 3.214+/-0.000 χ^2/NDF: 16378444650.3/5


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.094+/-0.000 χ²/NDF:1180225.1/12
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.084+/-0.000 χ²/NDF:2076099.9/10
Left: 0.089+/-0.000 χ²/NDF: 3363597.9/23
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.010+/-0.000 χ²/NDF:20945132.5/26
Out: 0.011+/-0.000 χ²/NDF:23307677.7/31
All: 0.010+/-0.000 χ²/NDF: 44259334.0/58

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.007+/-0.000 χ^2/NDF:4198460610.9/12

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2976975394.0/10

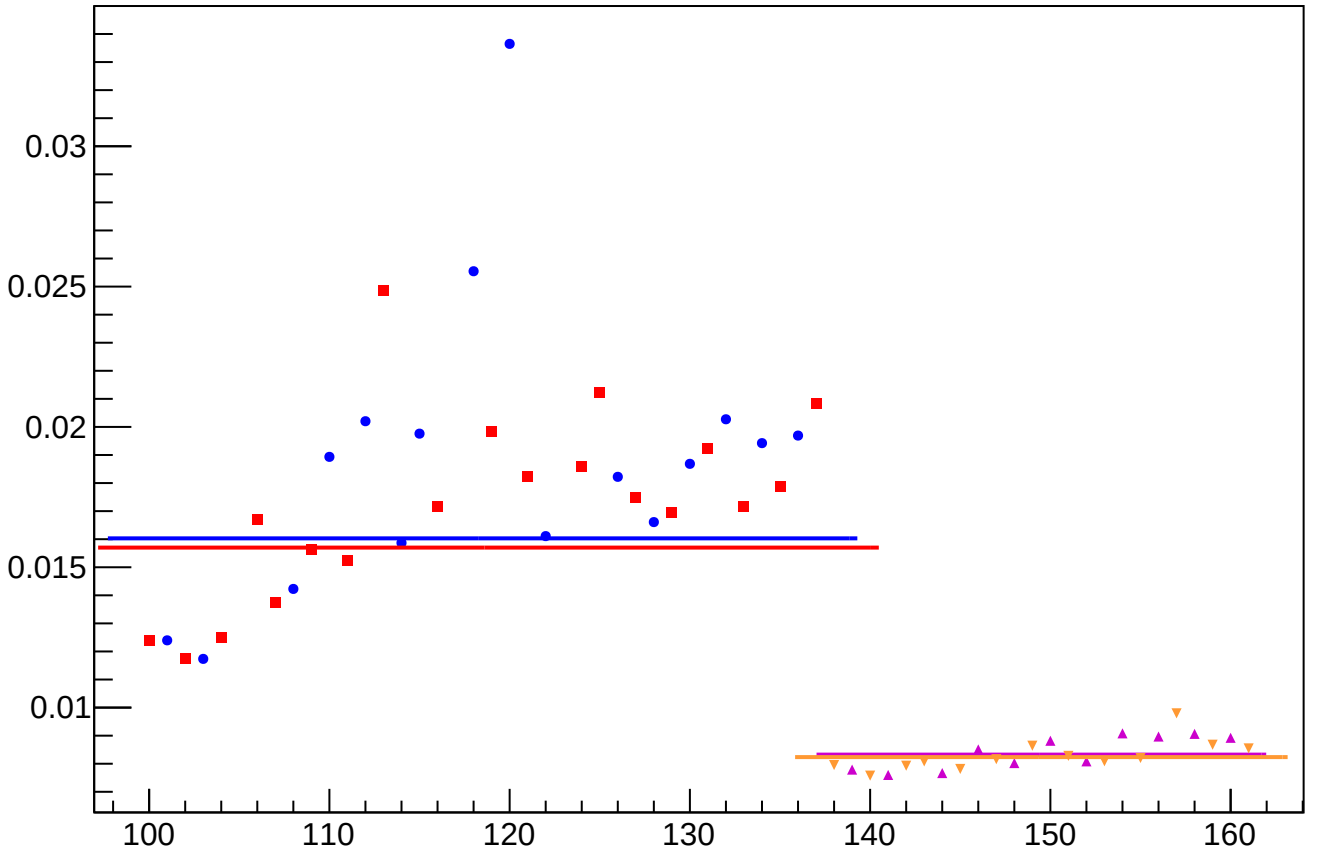
Left: -3.001+/-0.000 χ^2/NDF: 7185226794.6/23

Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.843+/-0.000 χ^2/NDF:185118057266.8/26

Out: -2.808+/-0.000 χ^2/NDF:209680832539.5/31

All: -2.825+/-0.000 χ^2/NDF: 394896692968.2



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:69356.8/12

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:83162.1/10

Left: 0.008+/-0.000 χ^2/NDF: 153591.9/23

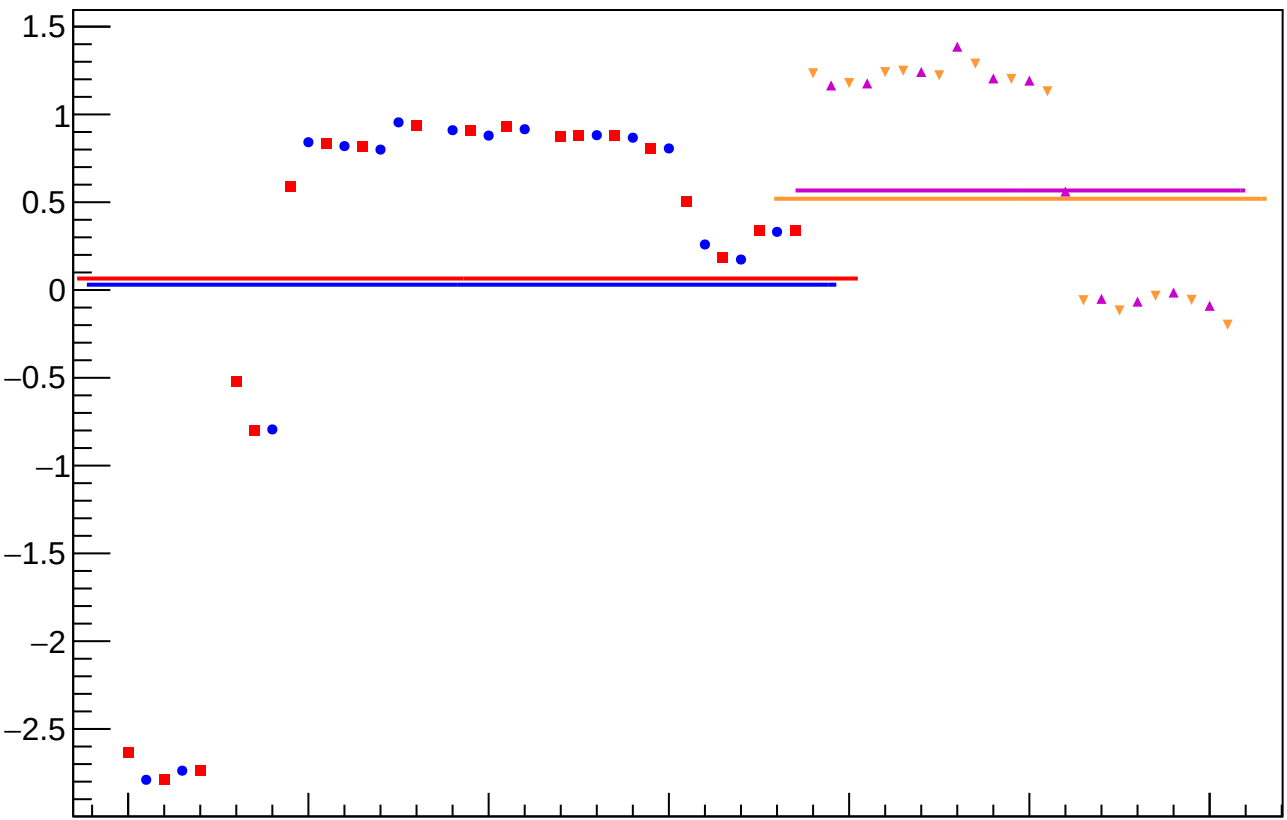
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3109213.7/26

Out: 0.009+/-0.000 χ^2/NDF:3014661.7/31

All: 0.009+/-0.000 χ^2/NDF: 6125379.5/58

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.520+/-0.000 χ^2/NDF:73783069738.1/12

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.567+/-0.000 χ^2/NDF:54793573326.6/10

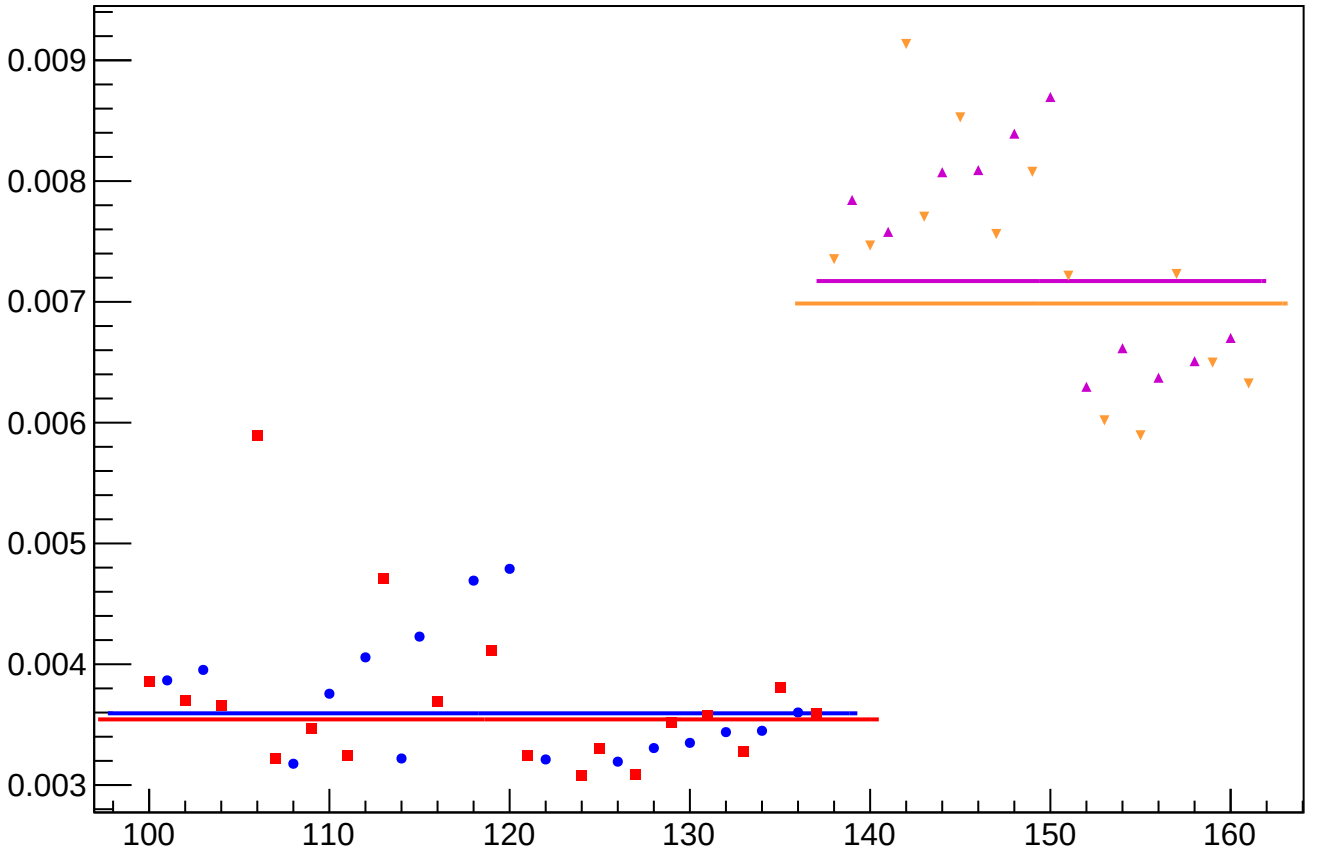
Left: 0.542+/-0.000 χ^2/NDF: 128755001001.3/23

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.151+/-0.000 χ^2/NDF:940181716871.4/26

Out: 0.172+/-0.000 χ^2/NDF:1036342506992.3/31

All: 0.162+/-0.000 χ^2/NDF: 1976678609677.



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:248491.9/12

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:207581.5/10

Left: 0.007+/-0.000 χ^2/NDF: 461613.1/23

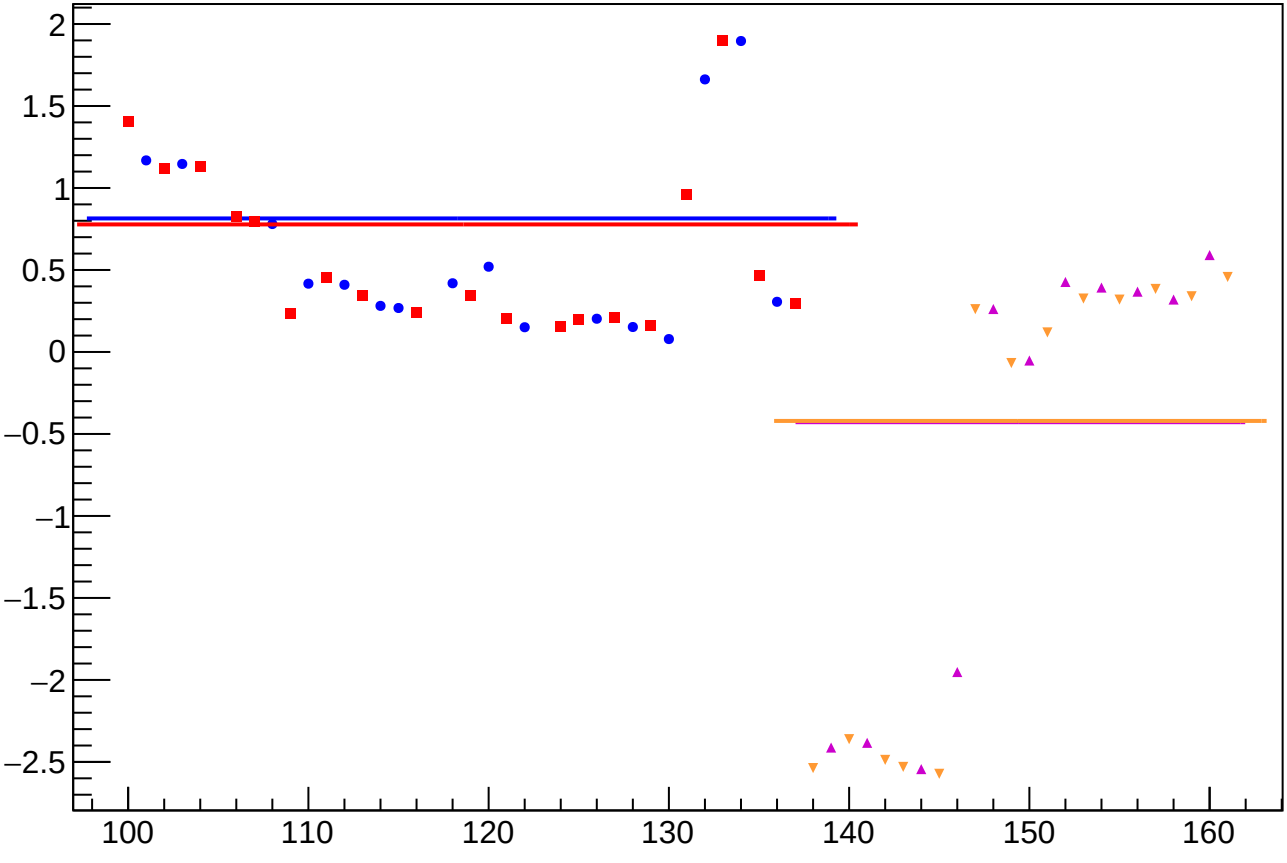
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3386015.2/26

Out: 0.004+/-0.000 χ^2/NDF:3582554.1/31

All: 0.004+/-0.000 χ^2/NDF: 6970146.0/58

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.421+/-0.000 χ^2/NDF:337260966938.0/12

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.428+/-0.000 χ^2/NDF:297203820369.9/10

Left: -0.424+/-0.000 χ^2/NDF: 634471101168.7/23

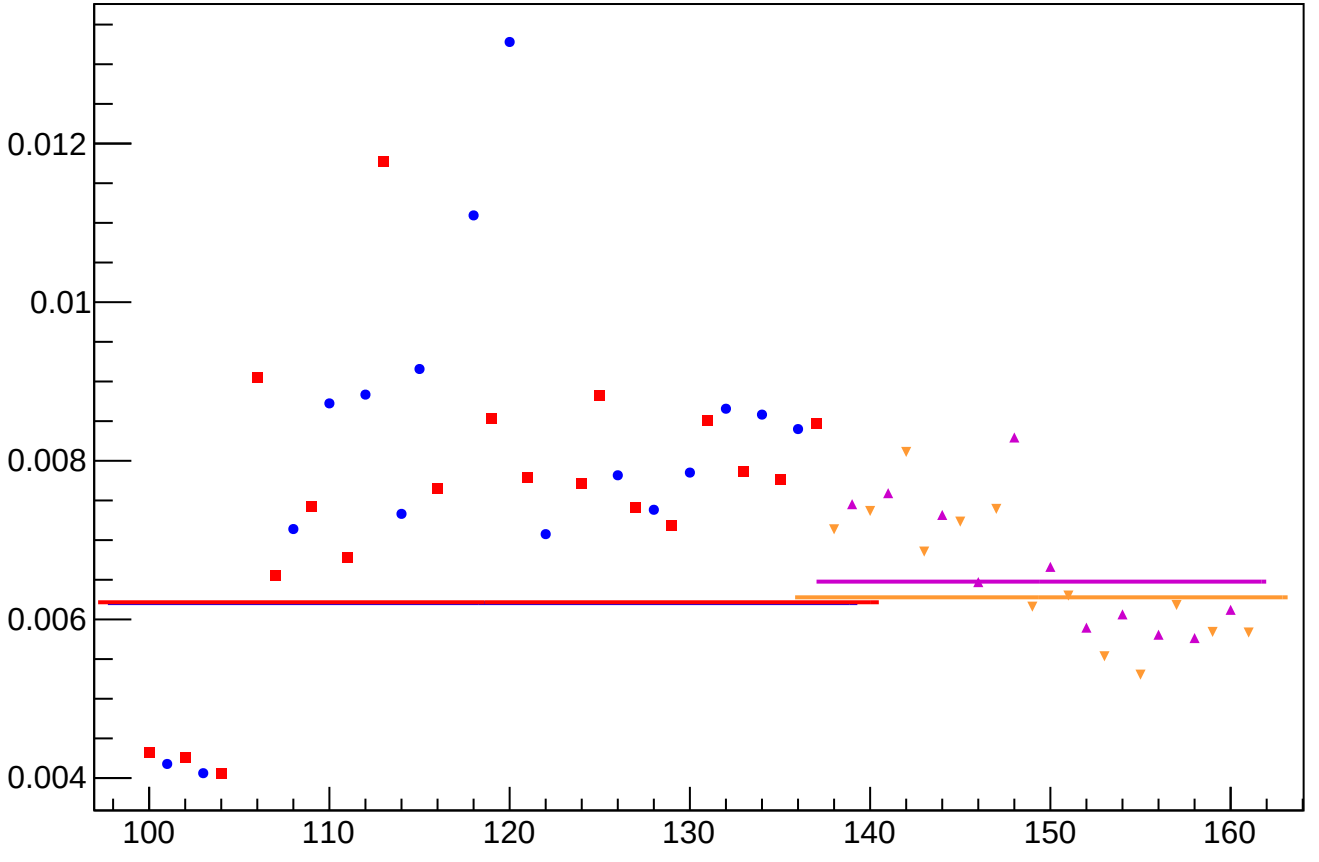
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.090+/-0.000 χ^2/NDF:462402212304.8/26

Out: 0.063+/-0.000 χ^2/NDF:504995467810.5/31

All: 0.076+/-0.000 χ^2/NDF: 967533591809.3

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:253466.1/12

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:225135.9/10

Left: 0.006+/-0.000 χ^2/NDF: 487001.6/23

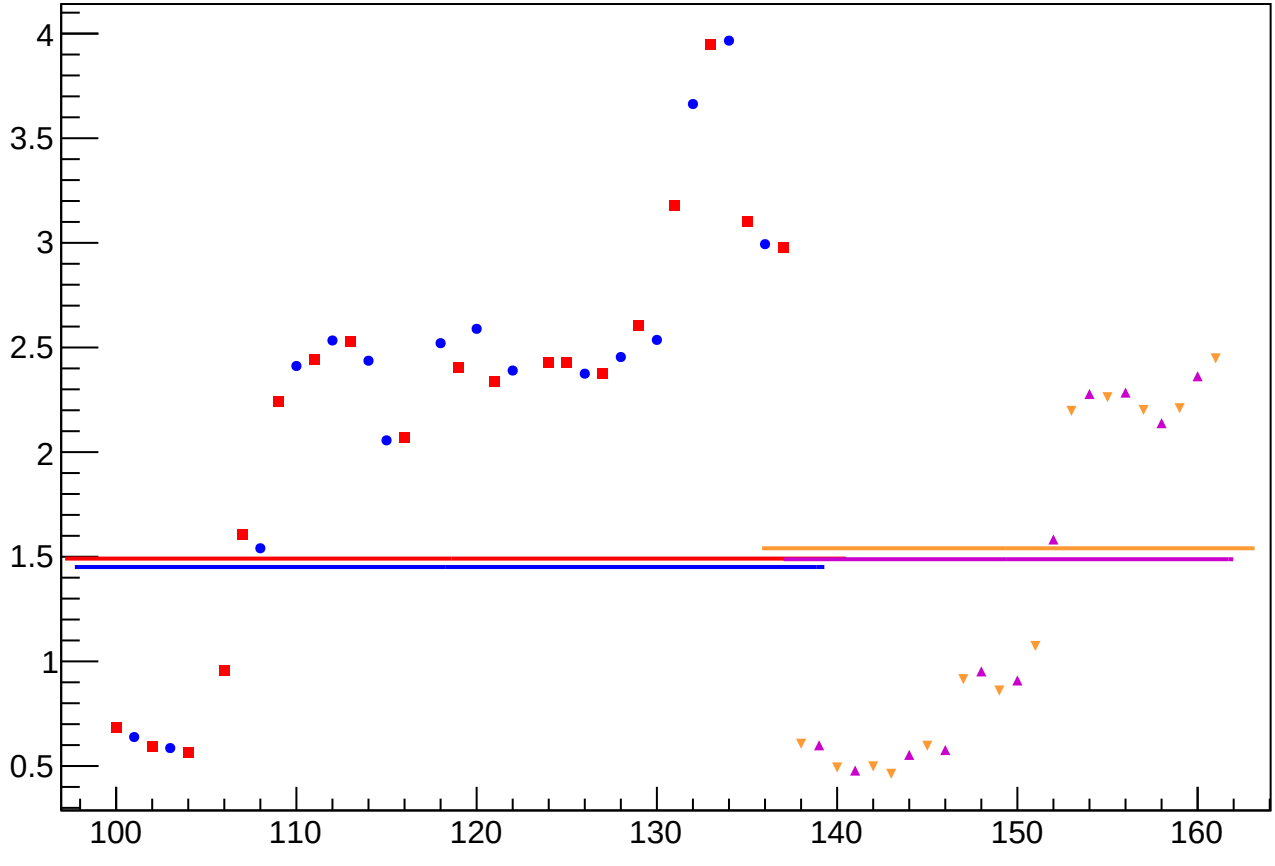
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1661332.1/26

Out: 0.006+/-0.000 χ^2/NDF:1415306.0/31

All: 0.006+/-0.000 χ^2/NDF: 3081052.6/58

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.541+/-0.000 χ^2/NDF:138829374991.9/12

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.488+/-0.000 χ^2/NDF:107388445669.0/10

Left: 1.516+/-0.000 χ^2/NDF: 246497403054.1/23

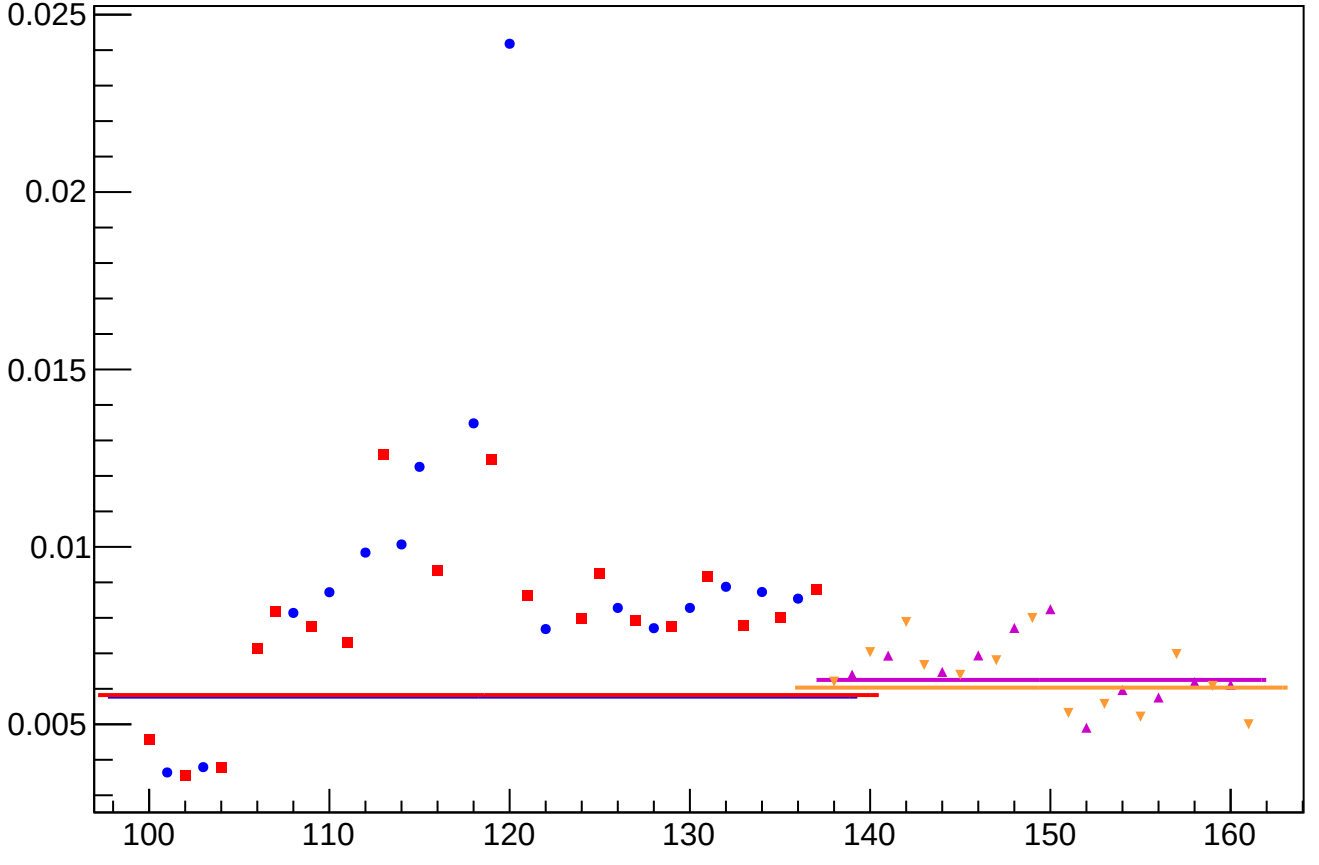
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.472+/-0.000 χ^2/NDF:277140866466.7/26

Out: 1.520+/-0.000 χ^2/NDF:326009077638.8/31

All: 1.497+/-0.000 χ^2/NDF: 603563272777.9

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:324023.7/12

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277859.9/10

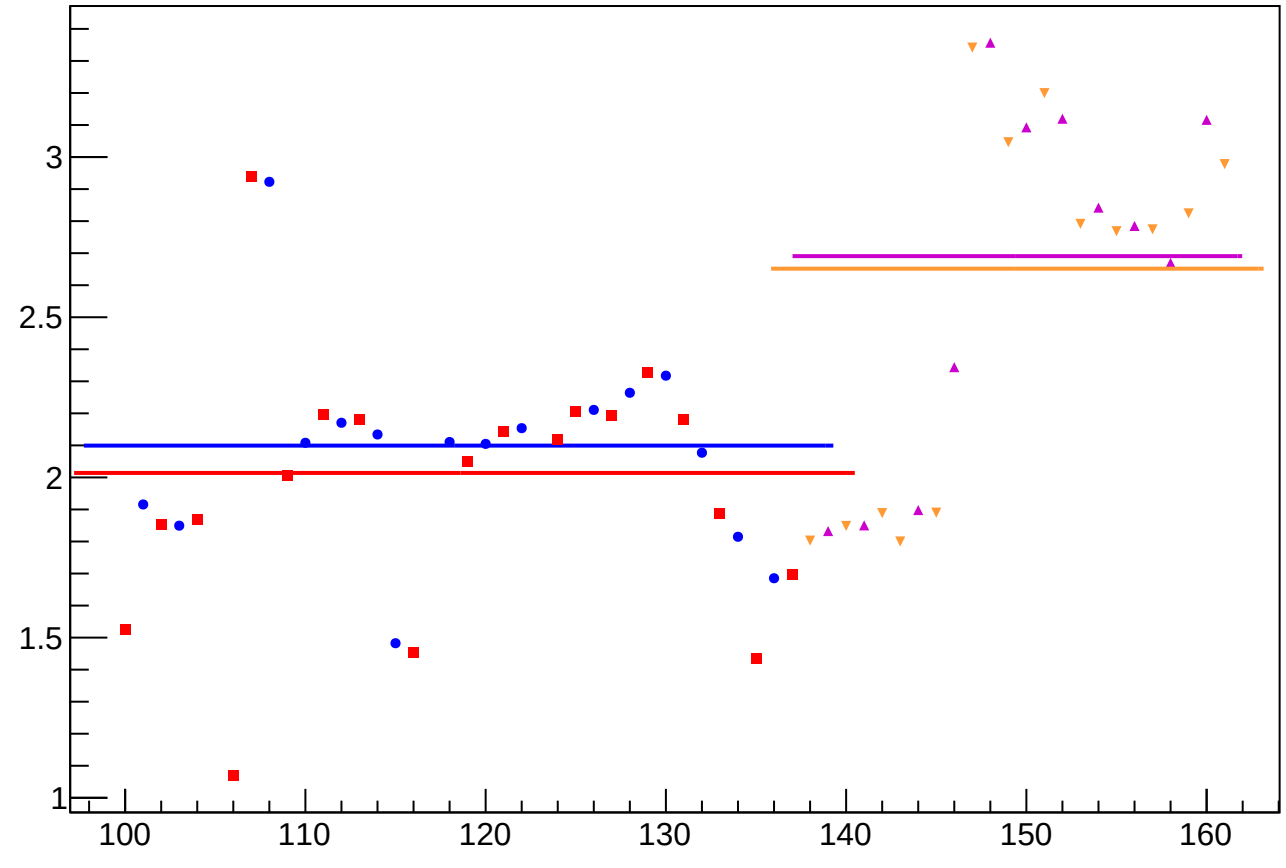
Left: 0.006+/-0.000 χ^2/NDF: 611521.1/23

Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2528863.5/26

Out: 0.006+/-0.000 χ^2/NDF:2288014.1/31

All: 0.006+/-0.000 χ^2/NDF: 4820365.1/58



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.652+/-0.000 χ^2/NDF:42440037294.3/12

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.691+/-0.000 χ^2/NDF:35737933542.5/10

Left: 2.670+/-0.000 χ^2/NDF: 78287343551.3/23

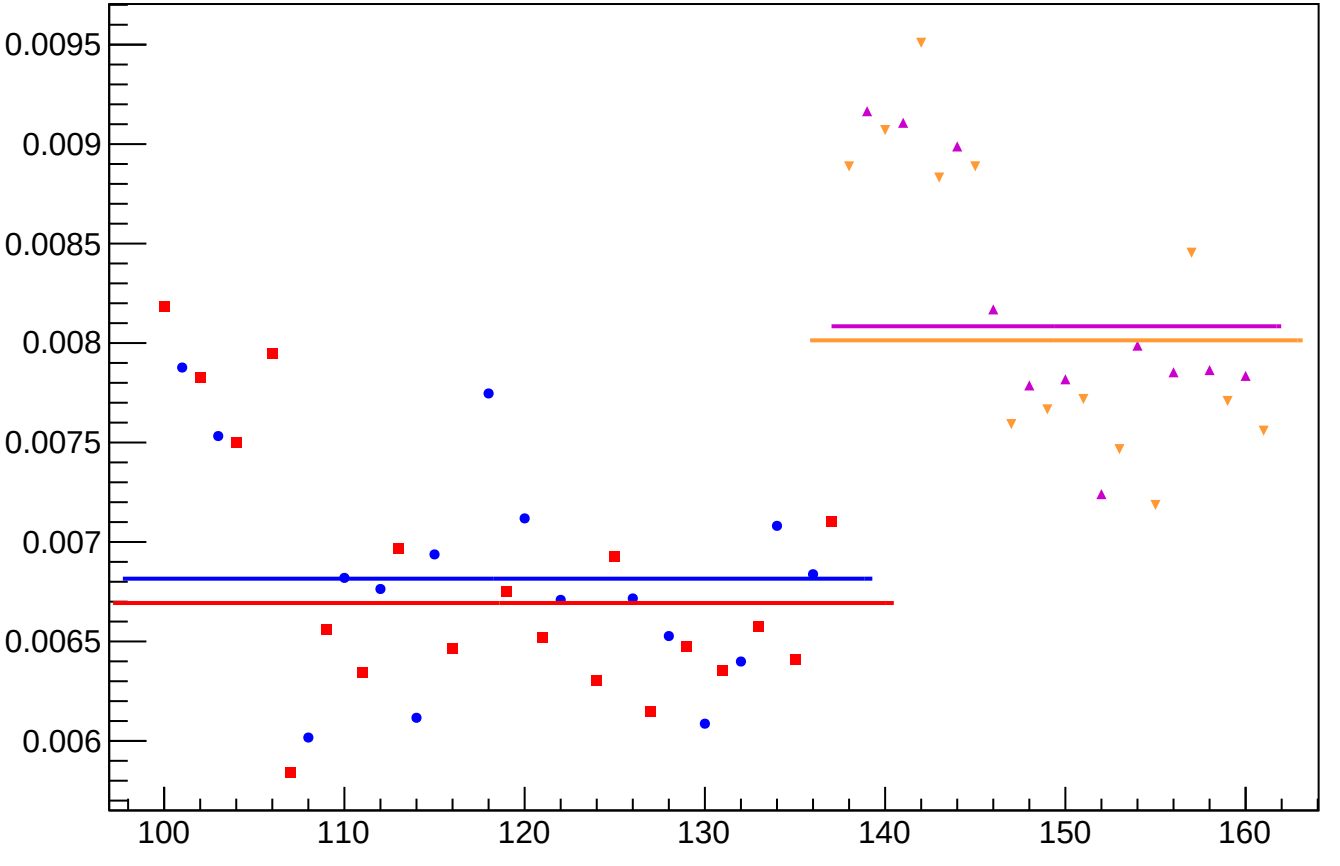
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.384+/-0.000 χ^2/NDF:74450167105.1/26

Out: 2.322+/-0.000 χ^2/NDF:93393459545.7/31

All: 2.352+/-0.000 χ^2/NDF: 168414316849.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:133792.8/12

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:91207.1/10

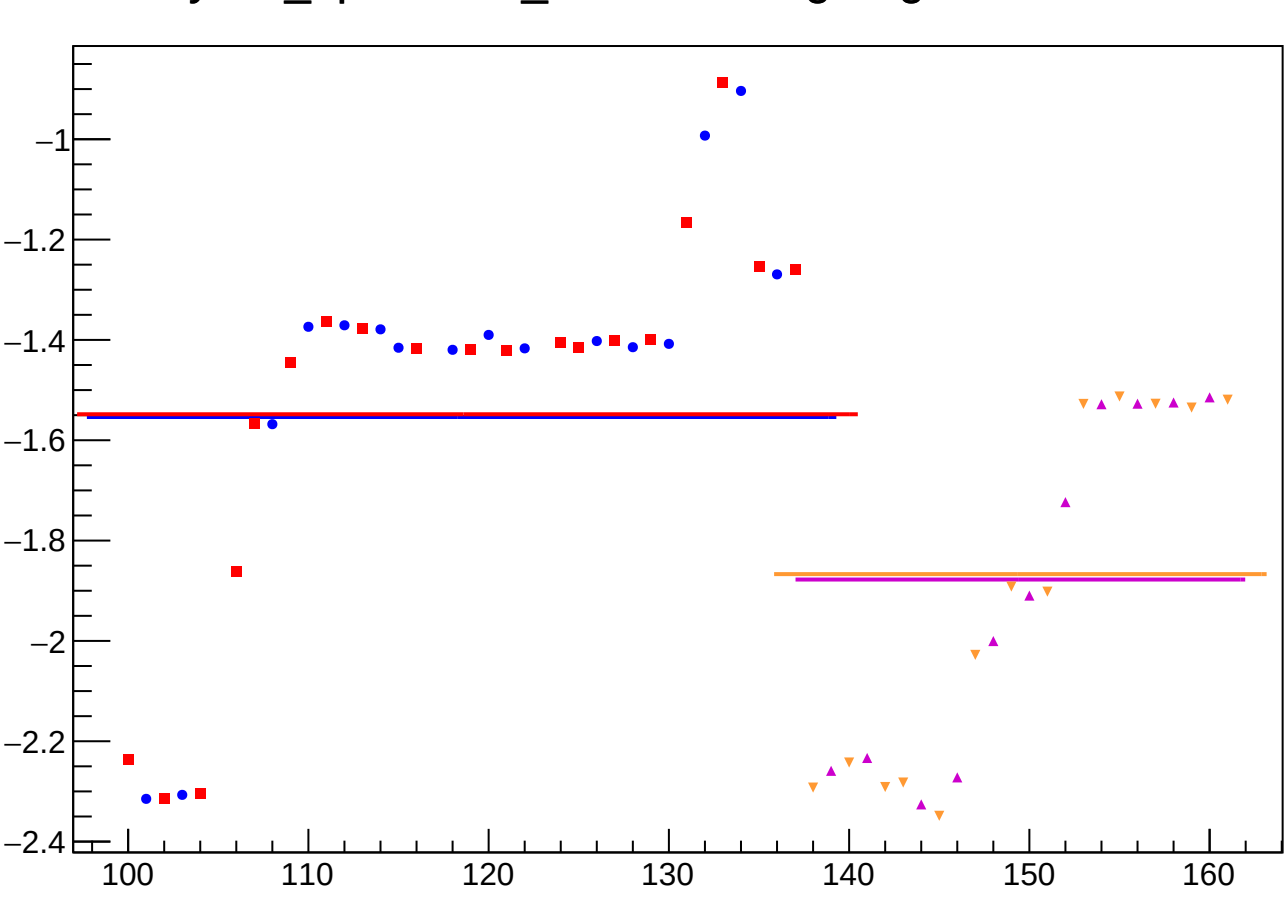
Left: 0.008+/-0.000 χ^2/NDF: 225712.8/23

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:406095.9/26

Out: 0.007+/-0.000 χ^2/NDF:490456.1/31

All: 0.007+/-0.000 χ^2/NDF: 899248.2/58



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.867+/-0.000 χ^2/NDF:108832595758.8/12

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.878+/-0.000 χ^2/NDF:93232894052.1/10

Left: -1.872+/-0.000 χ^2/NDF: 202118190312.9/23

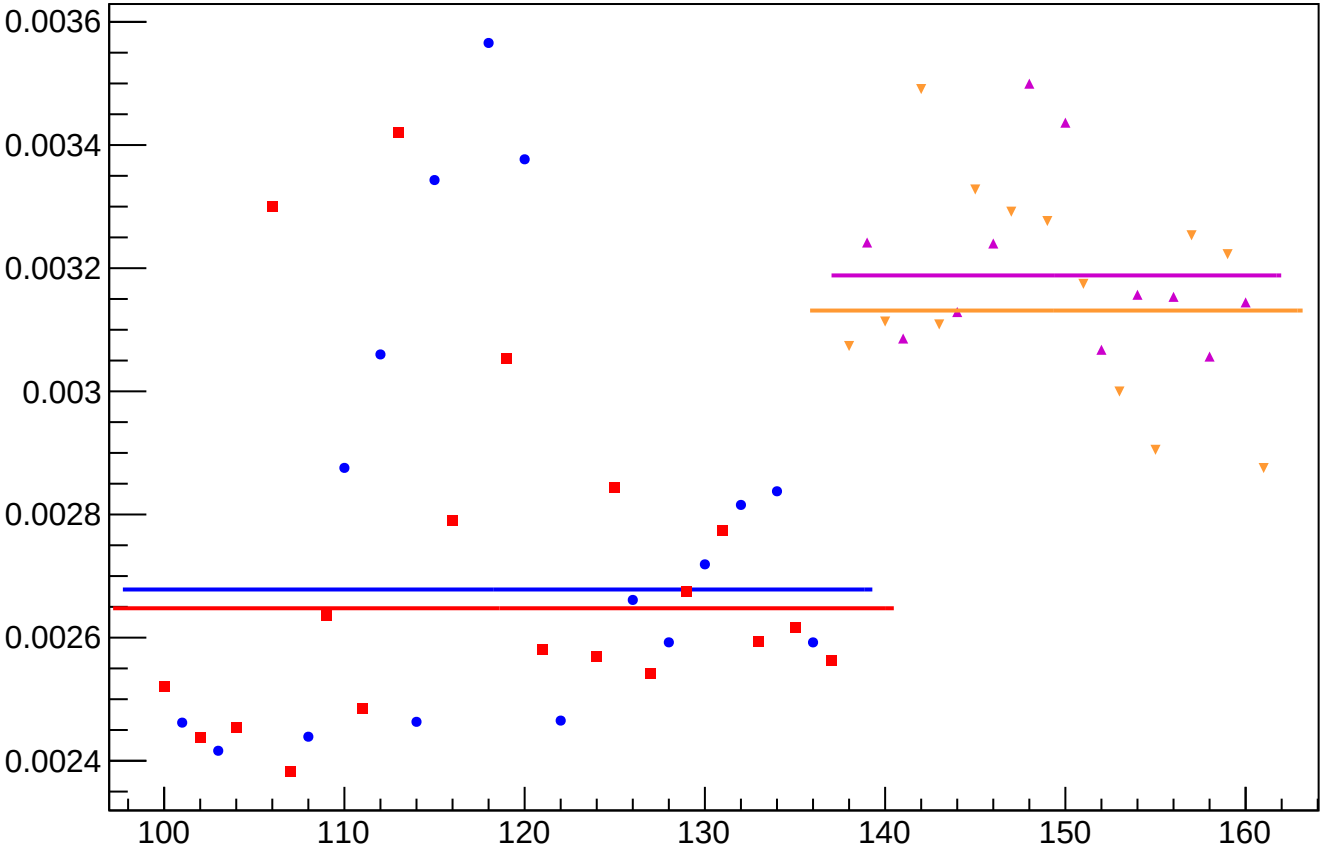
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.709+/-0.000 χ^2/NDF:315395638295.8/26

Out: -1.704+/-0.000 χ^2/NDF:333190063829.0/31

All: -1.706+/-0.000 χ^2/NDF: 648607040275.2

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:49331.6/12

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:30031.3/10

Left: 0.003+/-0.000 χ^2/NDF: 82301.7/23

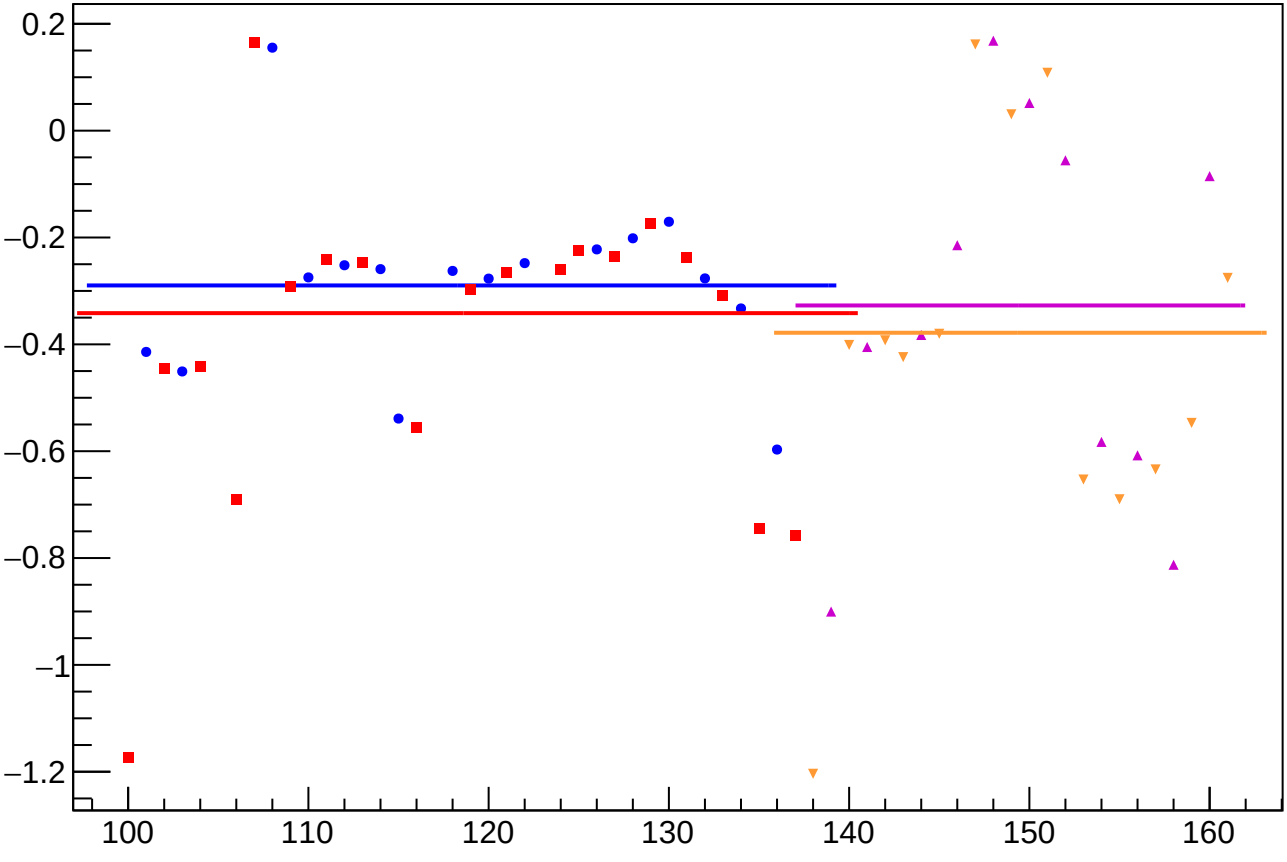
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:420778.3/26

Out: 0.003+/-0.000 χ^2/NDF:393948.3/31

All: 0.003+/-0.000 χ^2/NDF: 817469.4/58

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.378+/-0.000 χ^2/NDF:6978894204.9/12

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.327+/-0.000 χ^2/NDF:5620384543.0/10

Left: -0.354+/-0.000 χ^2/NDF: 12666442756.5/23

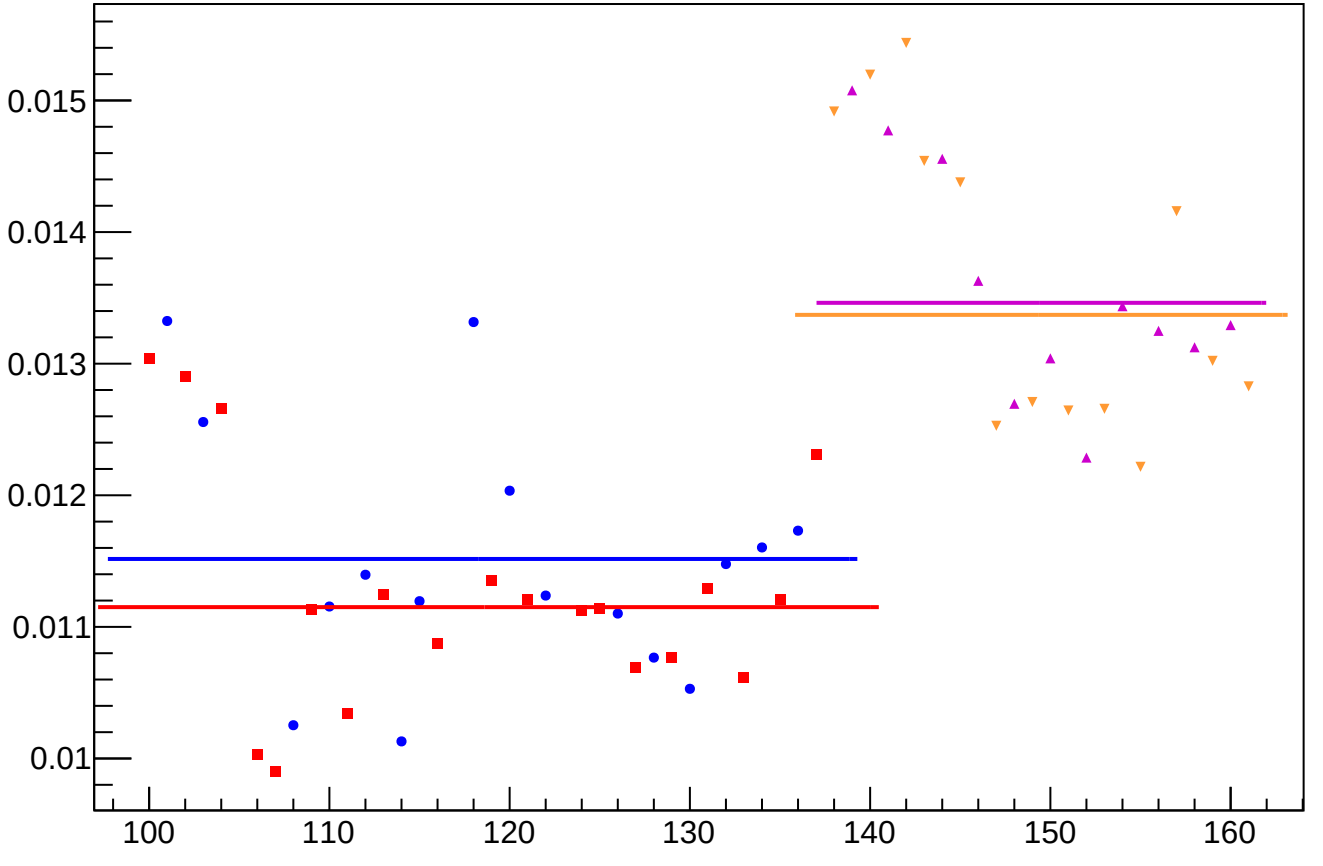
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.308+/-0.000 χ^2/NDF:7301115247.2/26

Out: -0.359+/-0.000 χ^2/NDF:9625896049.4/31

All: -0.335+/-0.000 χ^2/NDF: 17067058676.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:113256.8/12

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:65129.6/10

Left: 0.013+/-0.000 χ^2/NDF: 178817.5/23

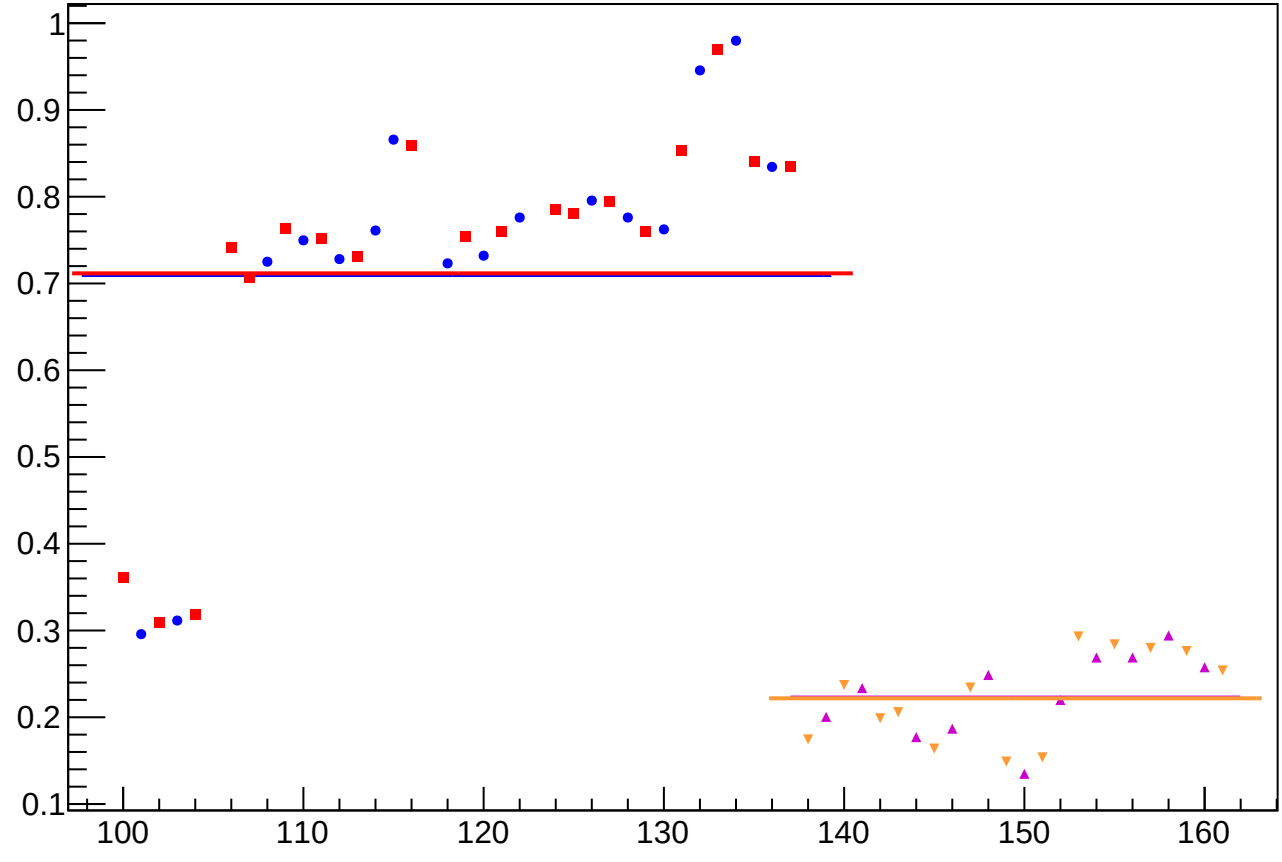
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:341234.0/26

Out: 0.012+/-0.000 χ^2/NDF:460239.9/31

All: 0.012+/-0.000 χ^2/NDF: 807856.3/58

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.222+/-0.000 χ^2/NDF:5323318310.7/12

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.223+/-0.000 χ^2/NDF:4114481767.0/10

Left: 0.222+/-0.000 χ^2/NDF: 9438543772.9/23

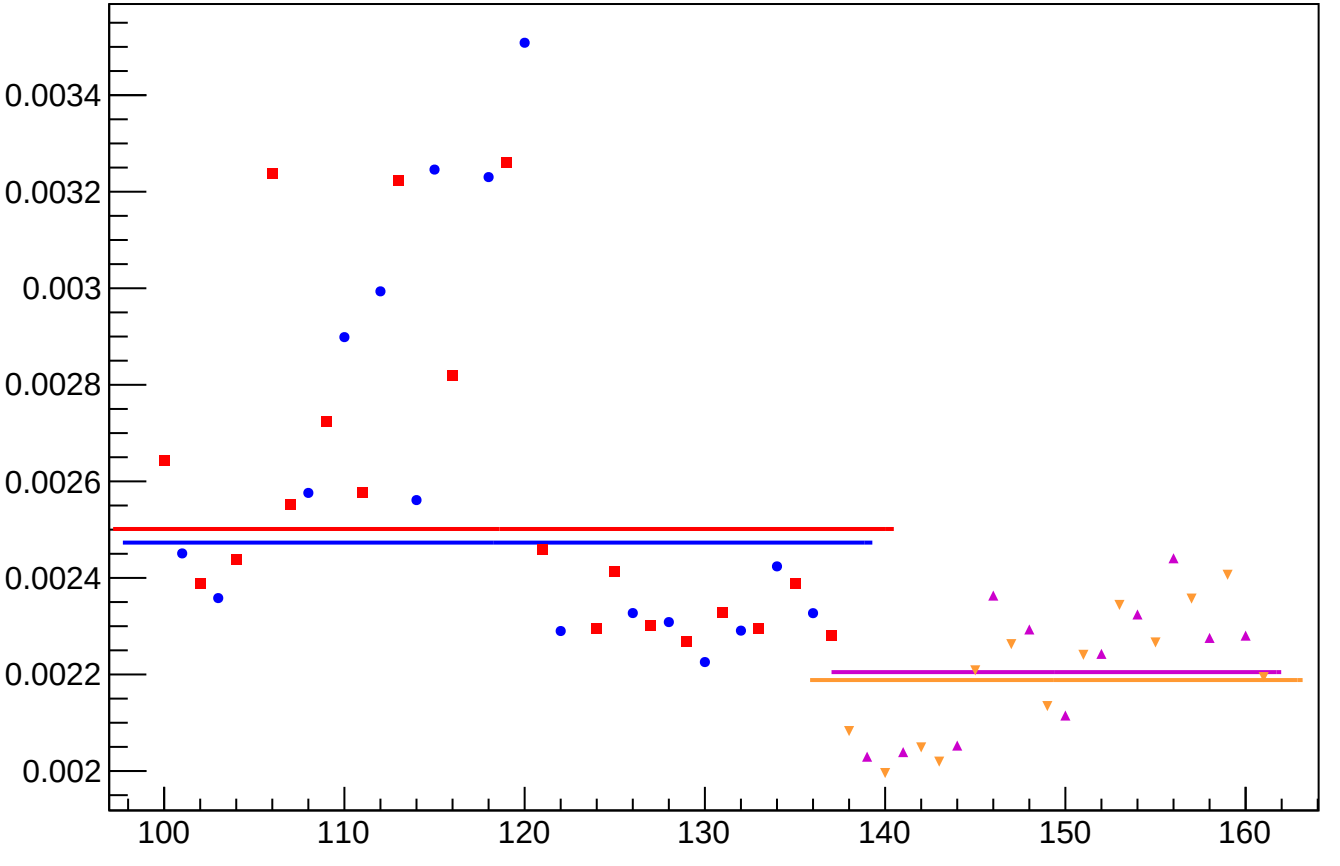
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.401+/-0.000 χ^2/NDF:220808182229.3/26

Out: 0.391+/-0.000 χ^2/NDF:226007393231.2/31

All: 0.396+/-0.000 χ^2/NDF: 446959601115.0

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:70283.3/12

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:71332.2/10

Left: 0.002+/-0.000 χ^2/NDF: 142163.4/23

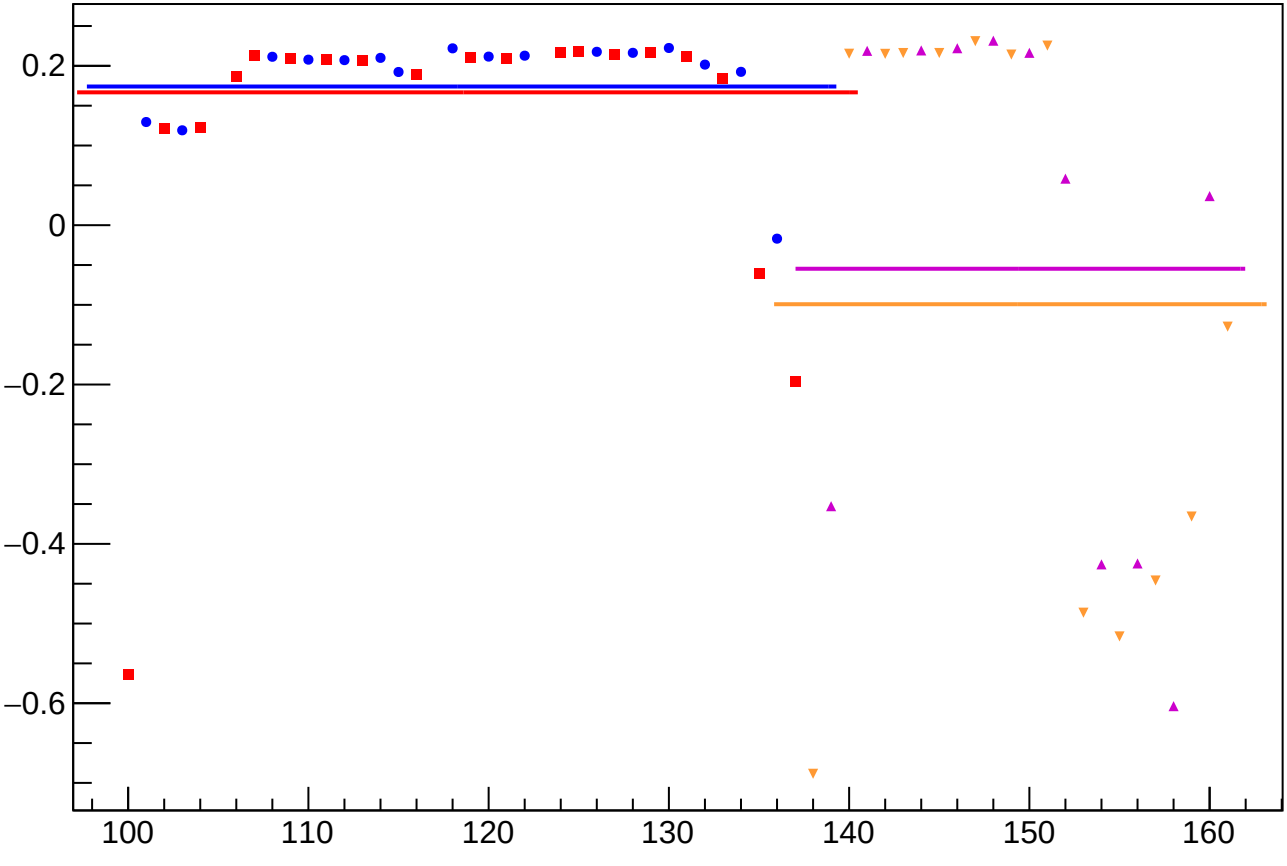
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:381191.6/26

Out: 0.002+/-0.000 χ^2/NDF:391790.3/31

All: 0.002+/-0.000 χ^2/NDF: 773108.3/58

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.099+/-0.000 χ^2/NDF:7753058316.2/12

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.055+/-0.000 χ^2/NDF:5891526686.3/10

Left: -0.078+/-0.000 χ^2/NDF: 13706985347.0/23

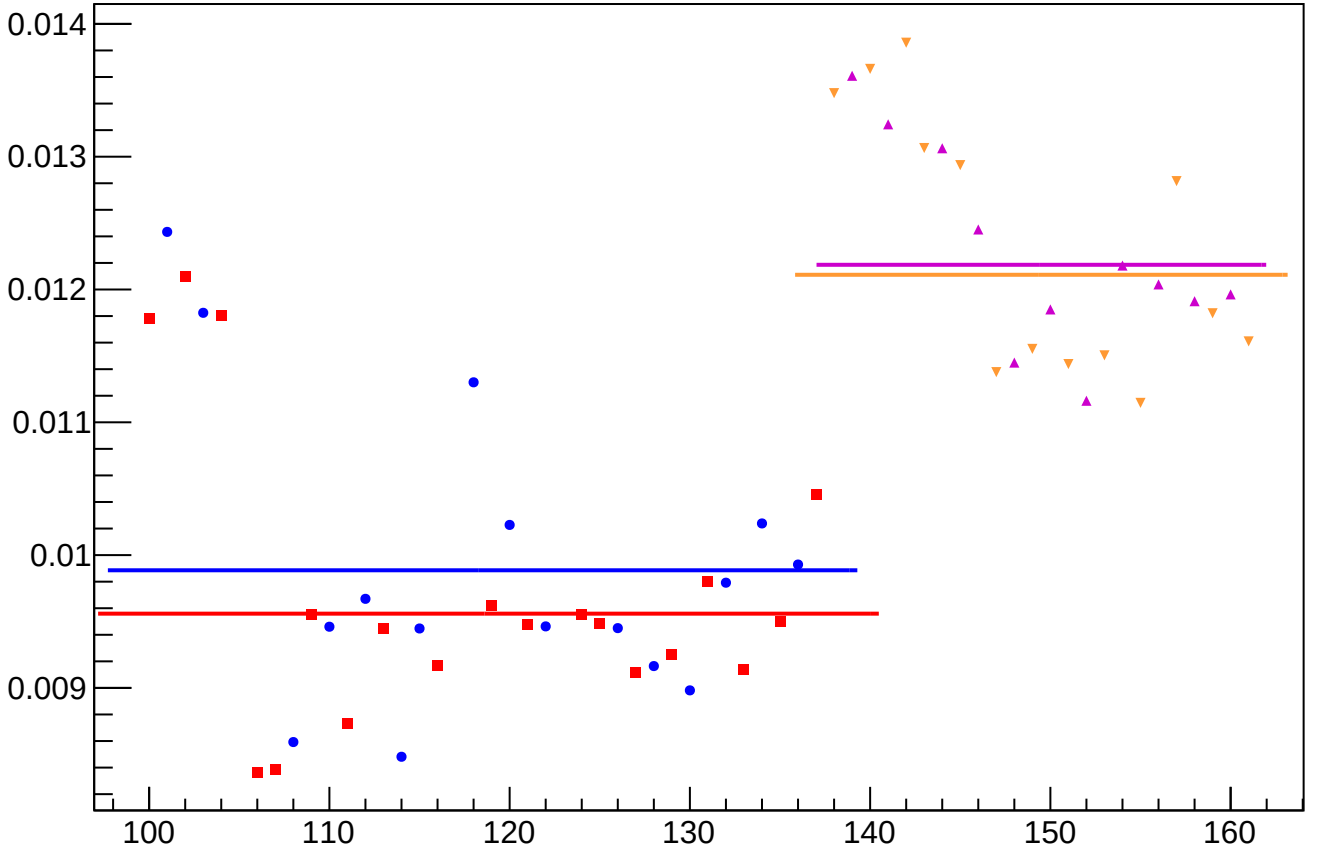
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.068+/-0.000 χ^2/NDF:7989440616.1/26

Out: 0.046+/-0.000 χ^2/NDF:11186788322.1/31

All: 0.056+/-0.000 χ^2/NDF: 19212081897.3/5

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:101917.4/12

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59604.0/10

Left: 0.012+/-0.000 χ^2/NDF: 161877.0/23

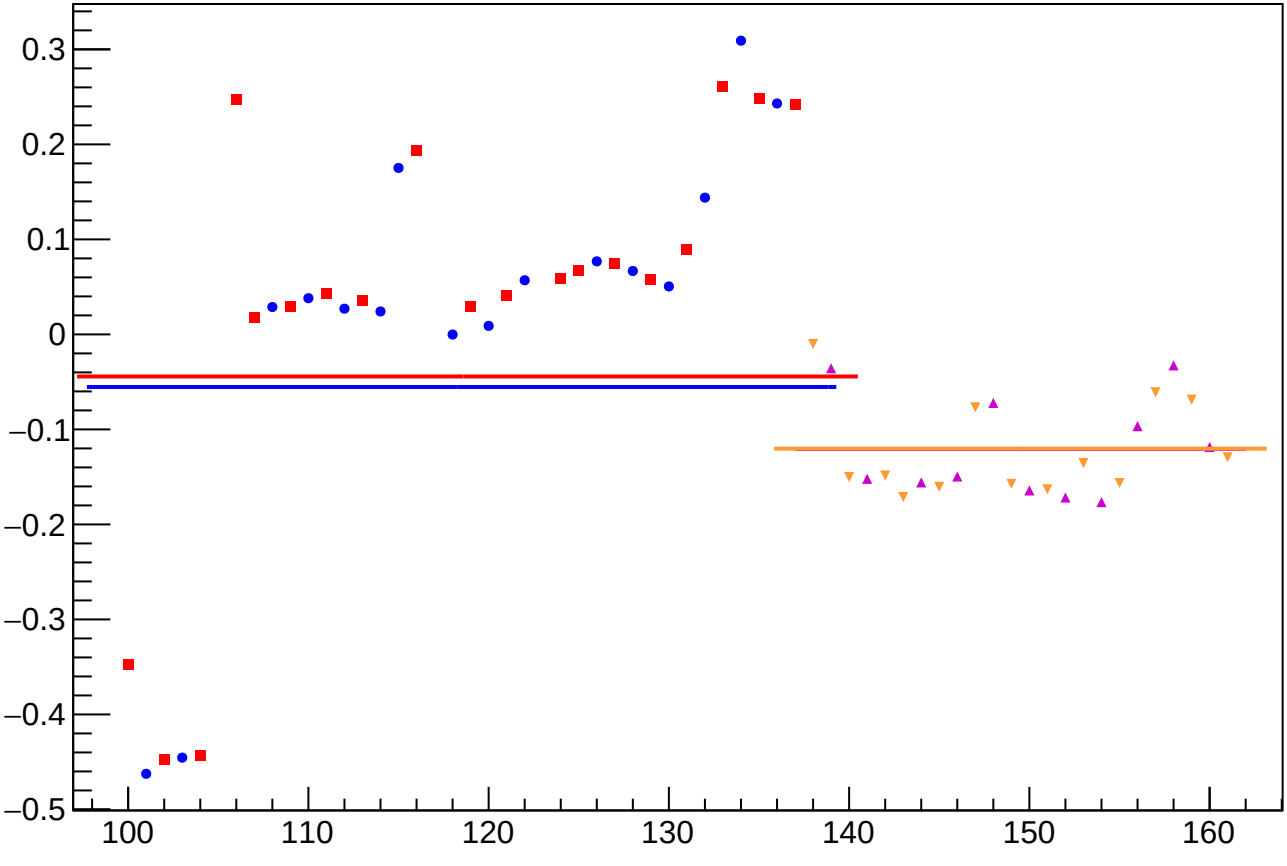
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:551194.8/26

Out: 0.011+/-0.000 χ^2/NDF:705748.5/31

All: 0.011+/-0.000 χ^2/NDF: 1263964.3/58

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.120+/-0.000 χ^2/NDF:2707696287.0/12

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.121+/-0.000 χ^2/NDF:2721283595.1/10

Left: -0.120+/-0.000 χ^2/NDF: 5429077695.3/23

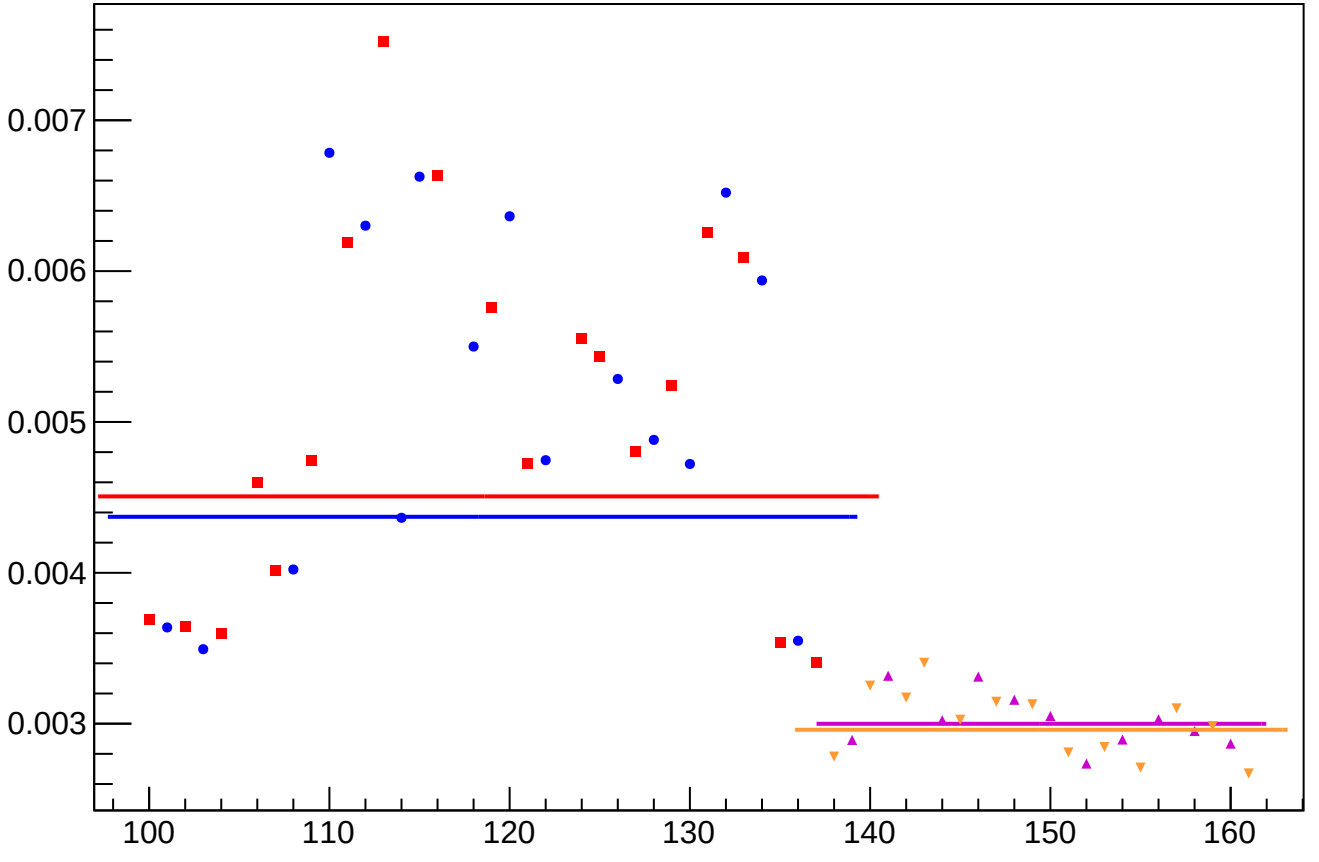
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.105+/-0.000 χ^2/NDF:27835025389.7/26

Out: -0.103+/-0.000 χ^2/NDF:26257129638.0/31

All: -0.104+/-0.000 χ^2/NDF: 54093437961.2/

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:100344.3/12

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:56929.4/10

Left: 0.003+/-0.000 χ^2/NDF: 158928.9/23

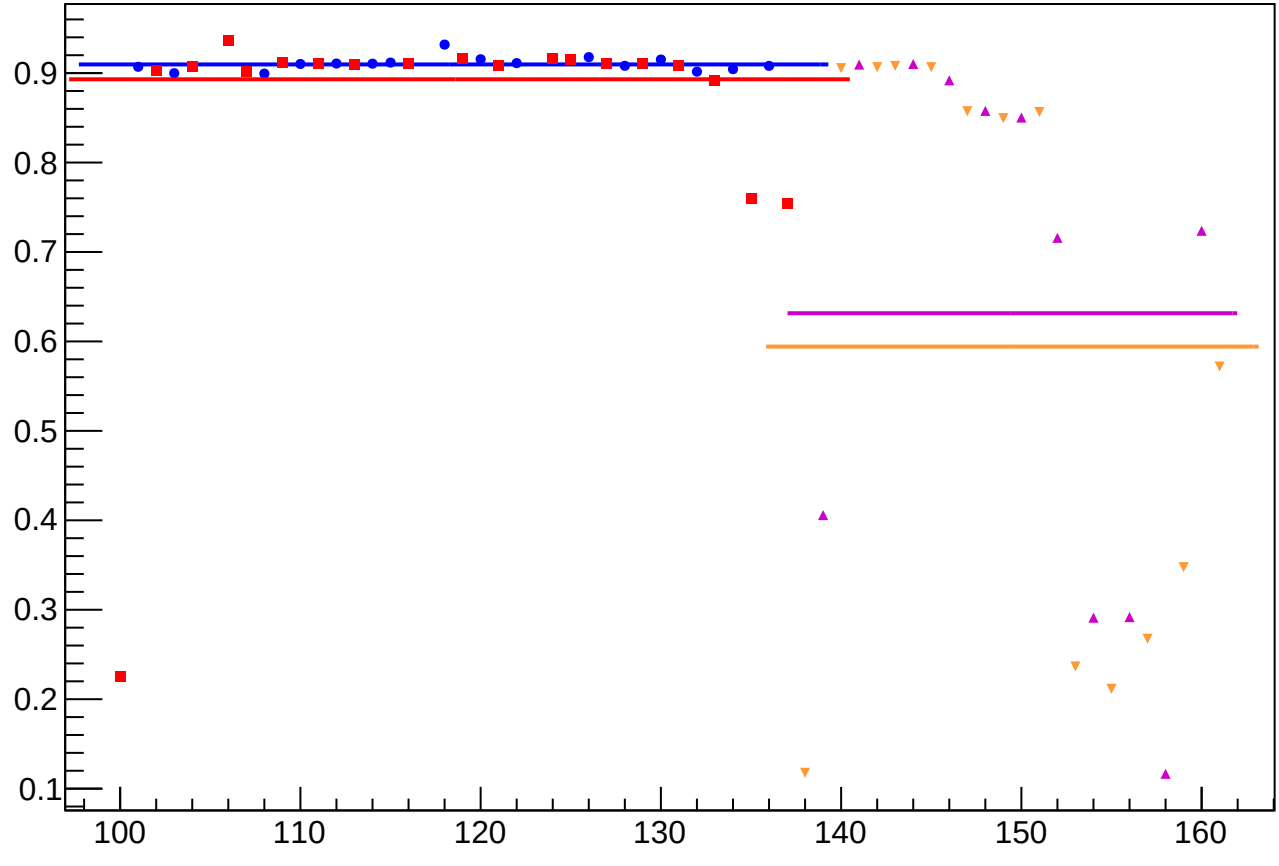
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1628351.1/26

Out: 0.003+/-0.000 χ^2/NDF:1978612.5/31

All: 0.003+/-0.000 χ^2/NDF: 3608243.9/58

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.594+/-0.000 χ^2/NDF:6556746905.4/12

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.632+/-0.000 χ^2/NDF:5194515018.4/10

Left: 0.612+/-0.000 χ^2/NDF: 11797796372.0/23

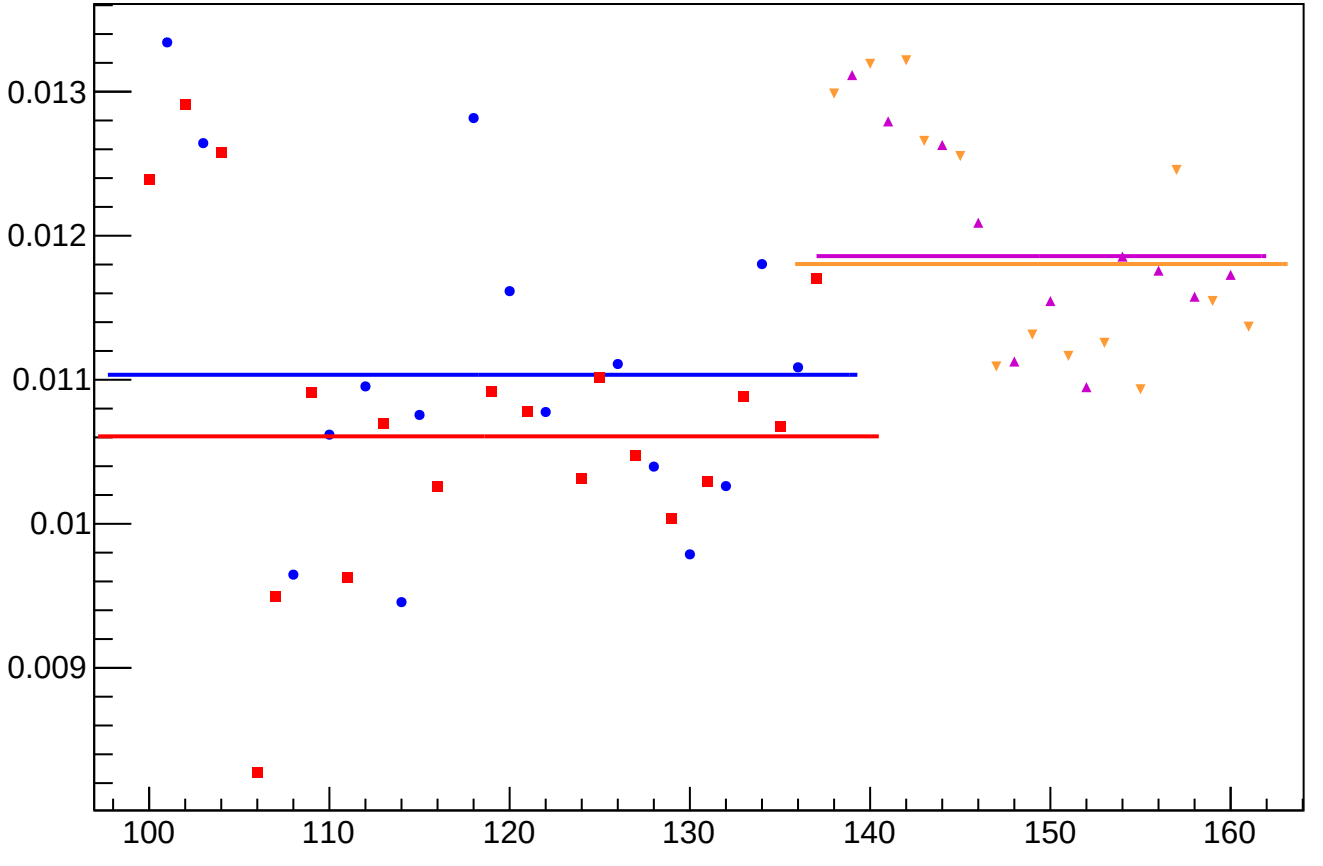
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.762+/-0.000 χ^2/NDF:7519156464.6/26

Out: 0.737+/-0.000 χ^2/NDF:9871516706.8/31

All: 0.749+/-0.000 χ^2/NDF: 17429361883.5/5

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:86748.0/12

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51456.8/10

Left: 0.012+/-0.000 χ^2/NDF: 138406.4/23

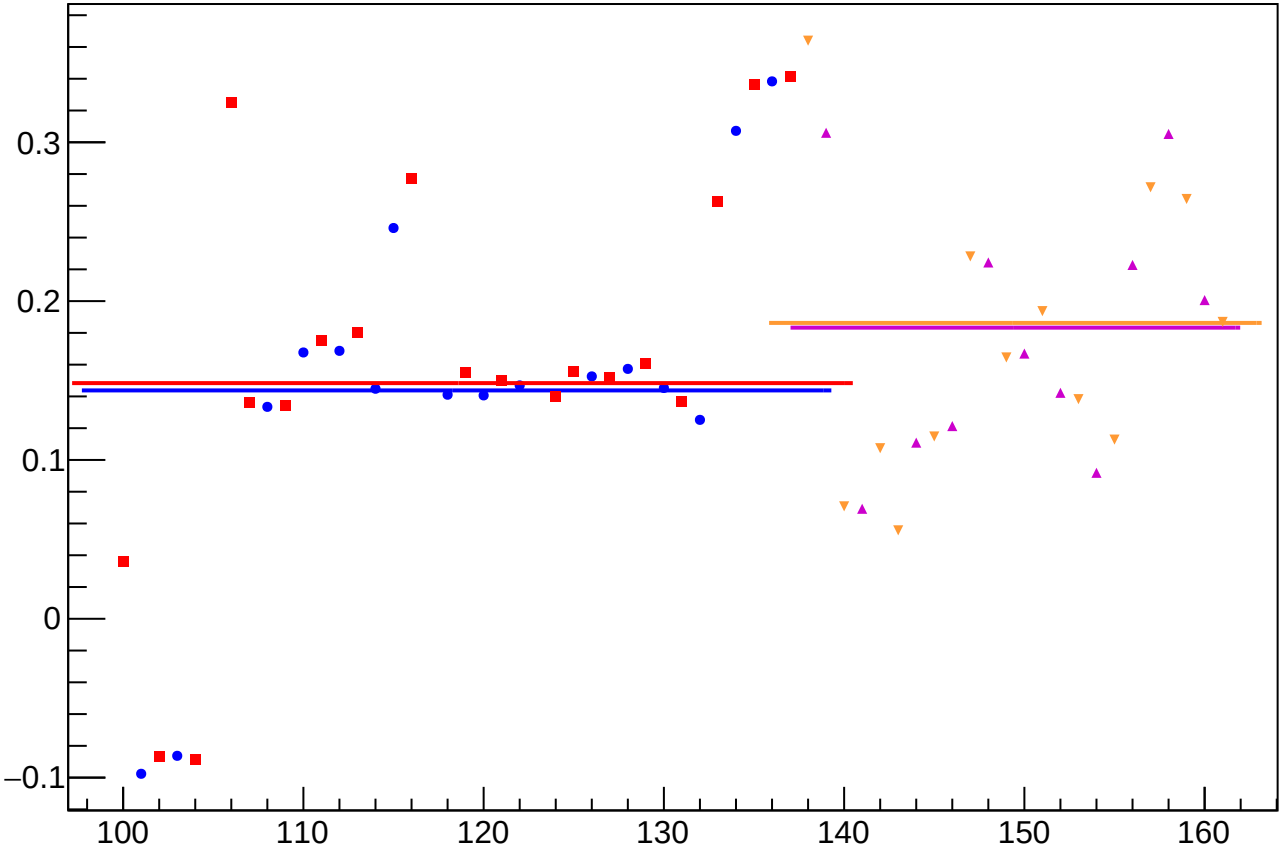
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:222531.6/26

Out: 0.011+/-0.000 χ^2/NDF:326410.1/31

All: 0.011+/-0.000 χ^2/NDF: 556304.4/58

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.186+/-0.000 χ^2/NDF:5837683934.6/12

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.183+/-0.000 χ^2/NDF:4386636863.5/10

Left: 0.185+/-0.000 χ^2/NDF: 10227848105.8/23

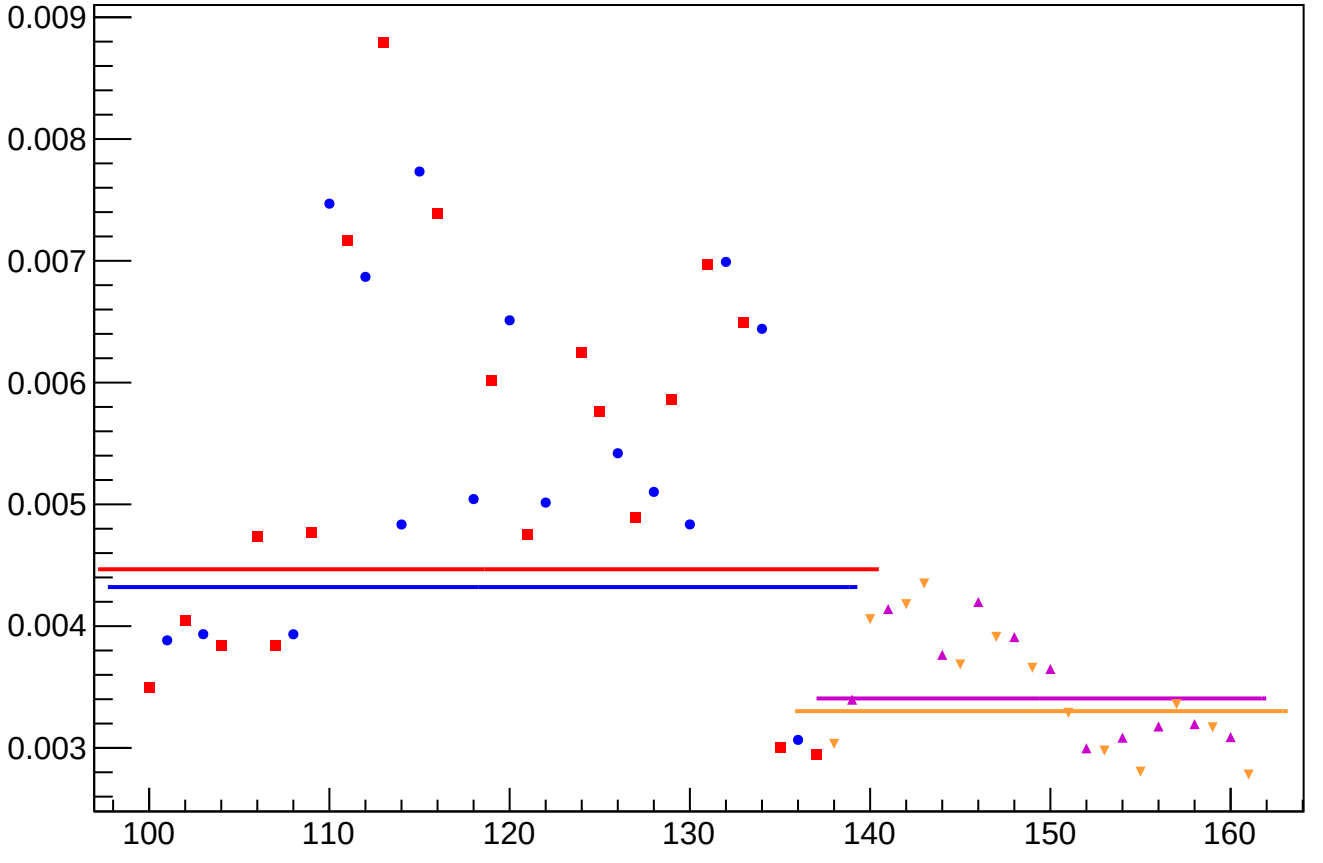
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.172+/-0.000 χ^2/NDF:12592743556.1/26

Out: 0.176+/-0.000 χ^2/NDF:13283023466.0/31

All: 0.174+/-0.000 χ^2/NDF: 25888088946.2/5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:369157.3/12

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:228443.3/10

Left: 0.003+/-0.000 χ^2/NDF: 606234.5/23

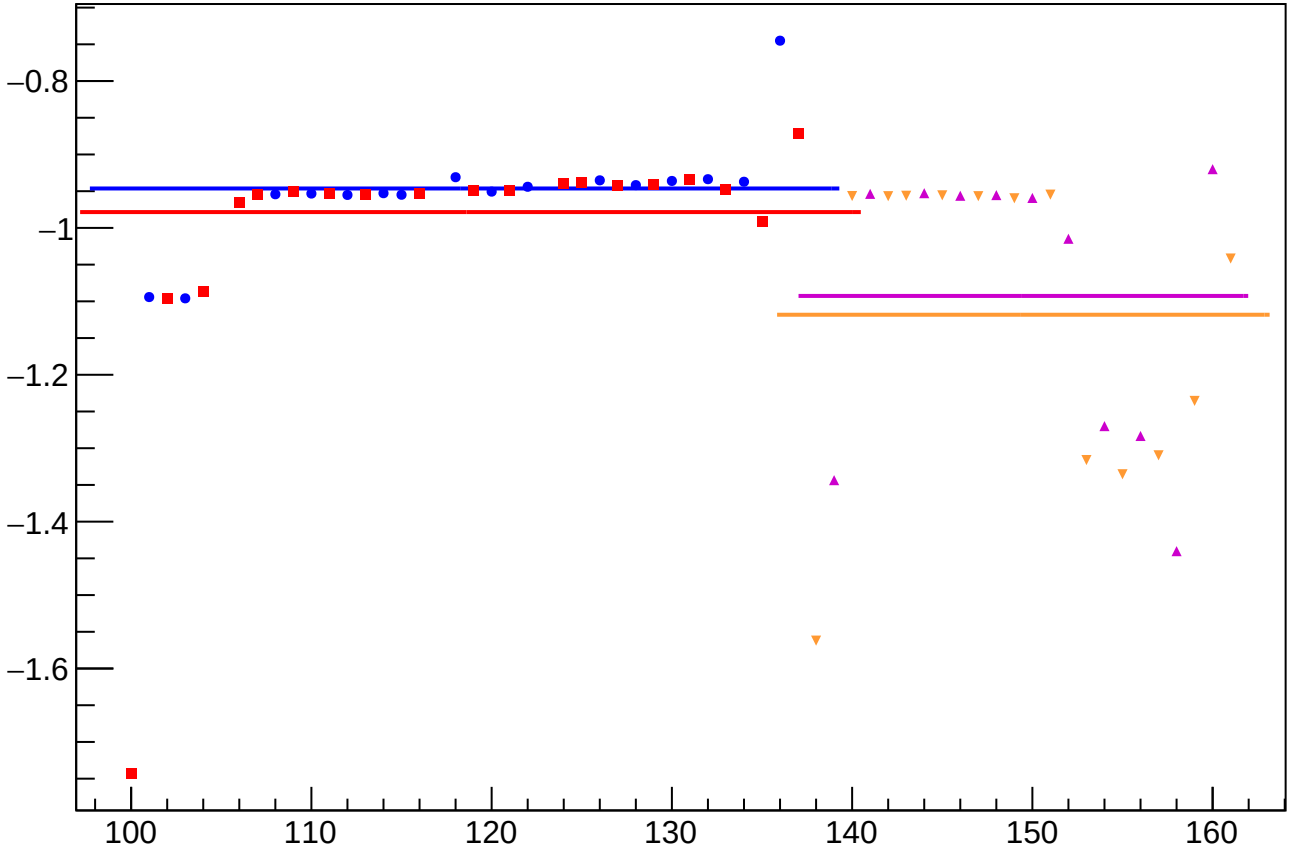
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1469764.8/26

Out: 0.004+/-0.000 χ^2/NDF:2053598.6/31

All: 0.004+/-0.000 χ^2/NDF: 3528821.1/58

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.118+/-0.000 χ^2/NDF:3349353115.6/12

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.093+/-0.000 χ^2/NDF:2802374189.2/10

Left: -1.106+/-0.000 χ^2/NDF: 6179634967.0/23

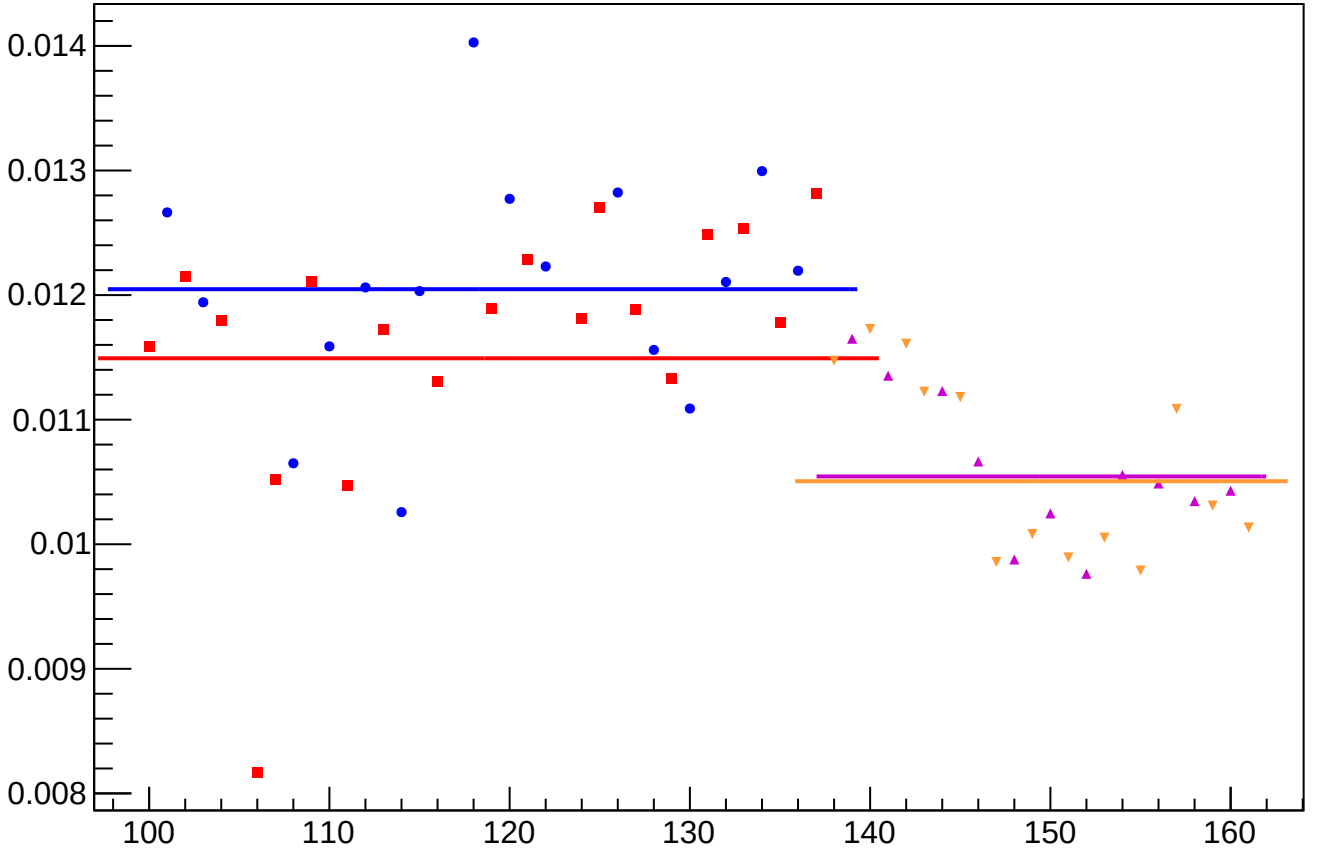
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.039+/-0.000 χ^2/NDF:3848332386.8/26

Out: -1.065+/-0.000 χ^2/NDF:4468398459.1/31

All: -1.053+/-0.000 χ^2/NDF: 8363830363.6/5

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:81282.9/12

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:50006.2/10

Left: 0.011+/-0.000 χ^2/NDF: 131413.9/23

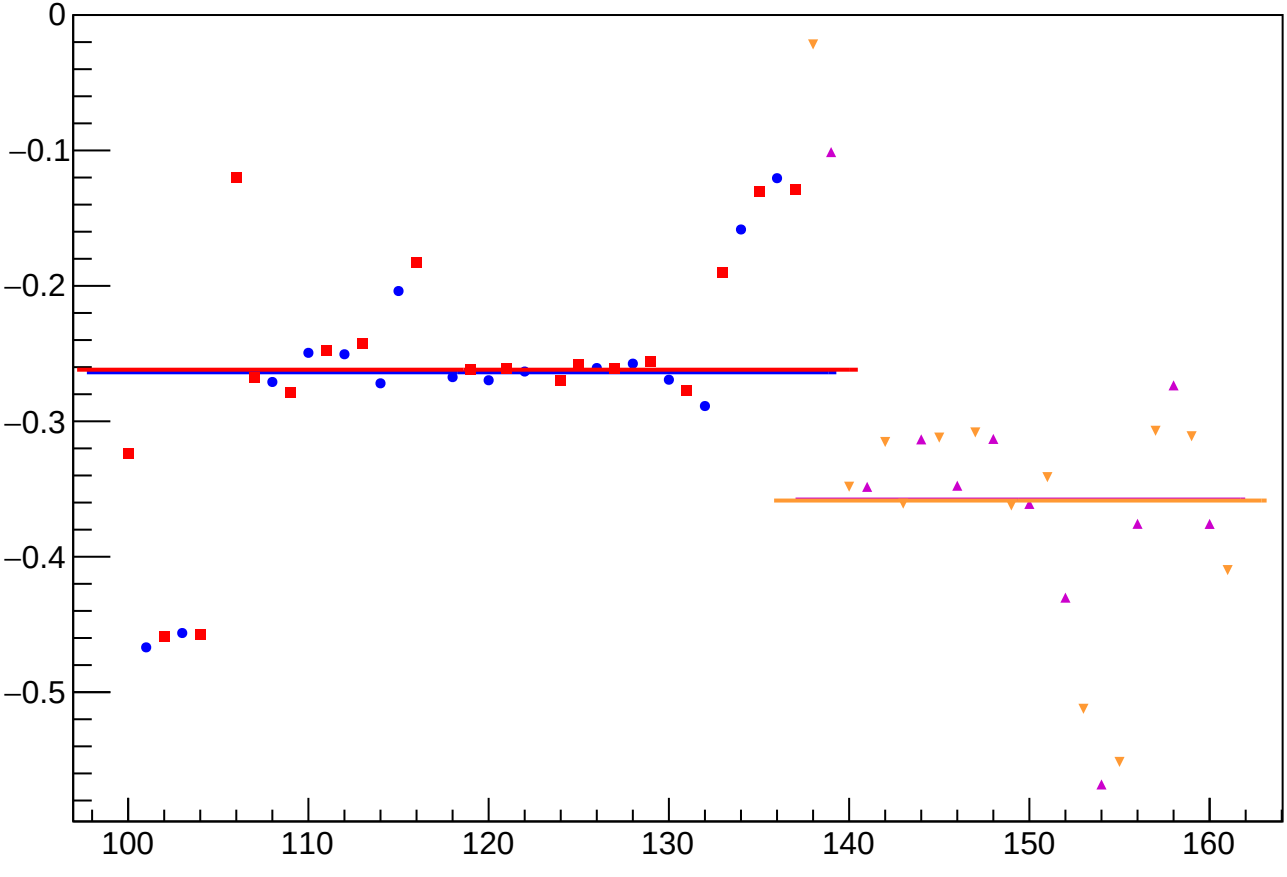
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:247846.8/26

Out: 0.011+/-0.000 χ^2/NDF:298159.6/31

All: 0.011+/-0.000 χ^2/NDF: 552342.2/58

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.359+/-0.000 χ^2/NDF:11483144764.3/12

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.358+/-0.000 χ^2/NDF:7234814143.9/10

Left: -0.358+/-0.000 χ^2/NDF: 18718120467.5/23

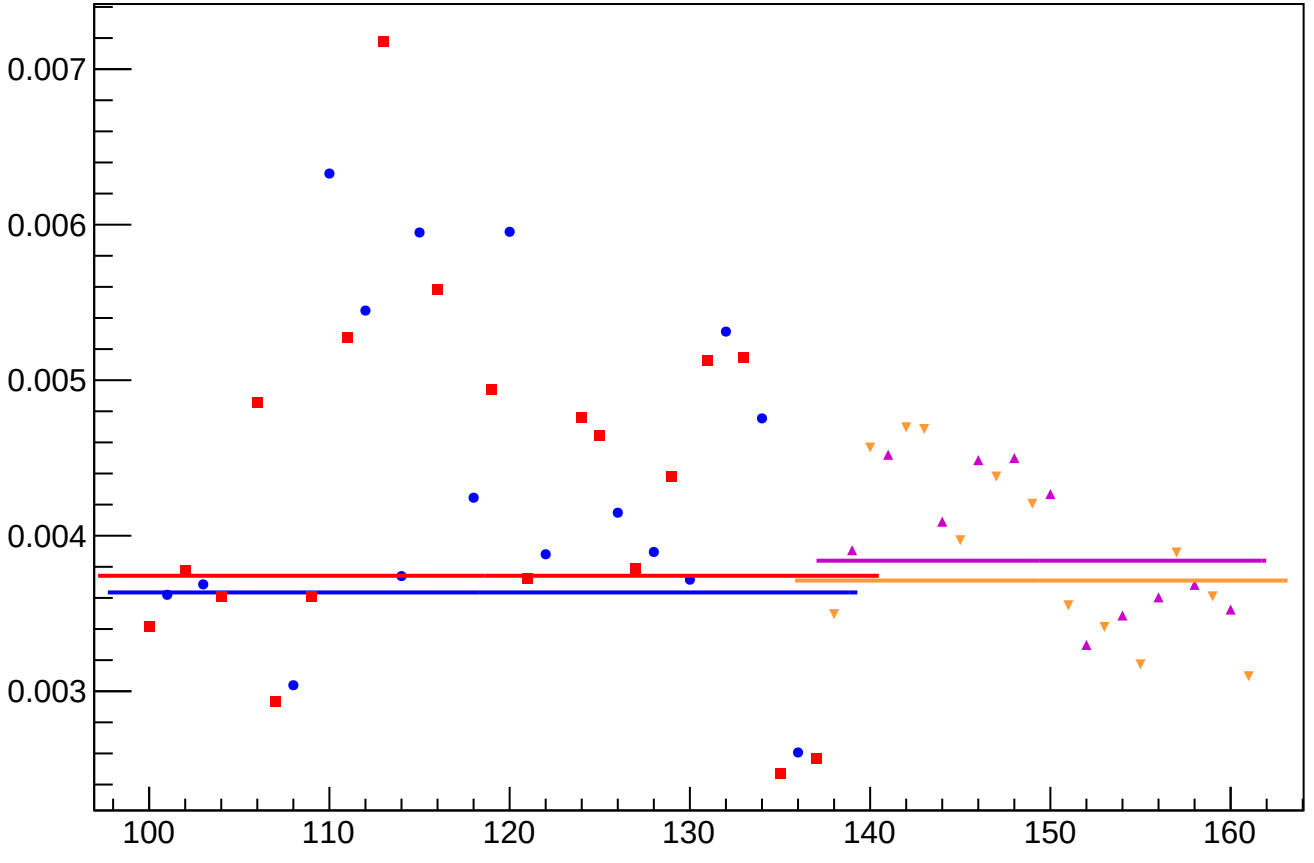
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.317+/-0.000 χ^2/NDF:15526303833.5/26

Out: -0.320+/-0.000 χ^2/NDF:19167004894.9/31

All: -0.319+/-0.000 χ^2/NDF: 34699429470.6/

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:333170.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:199501.4/10

Left: 0.004+/-0.000 χ^2/NDF: 542671.6/23

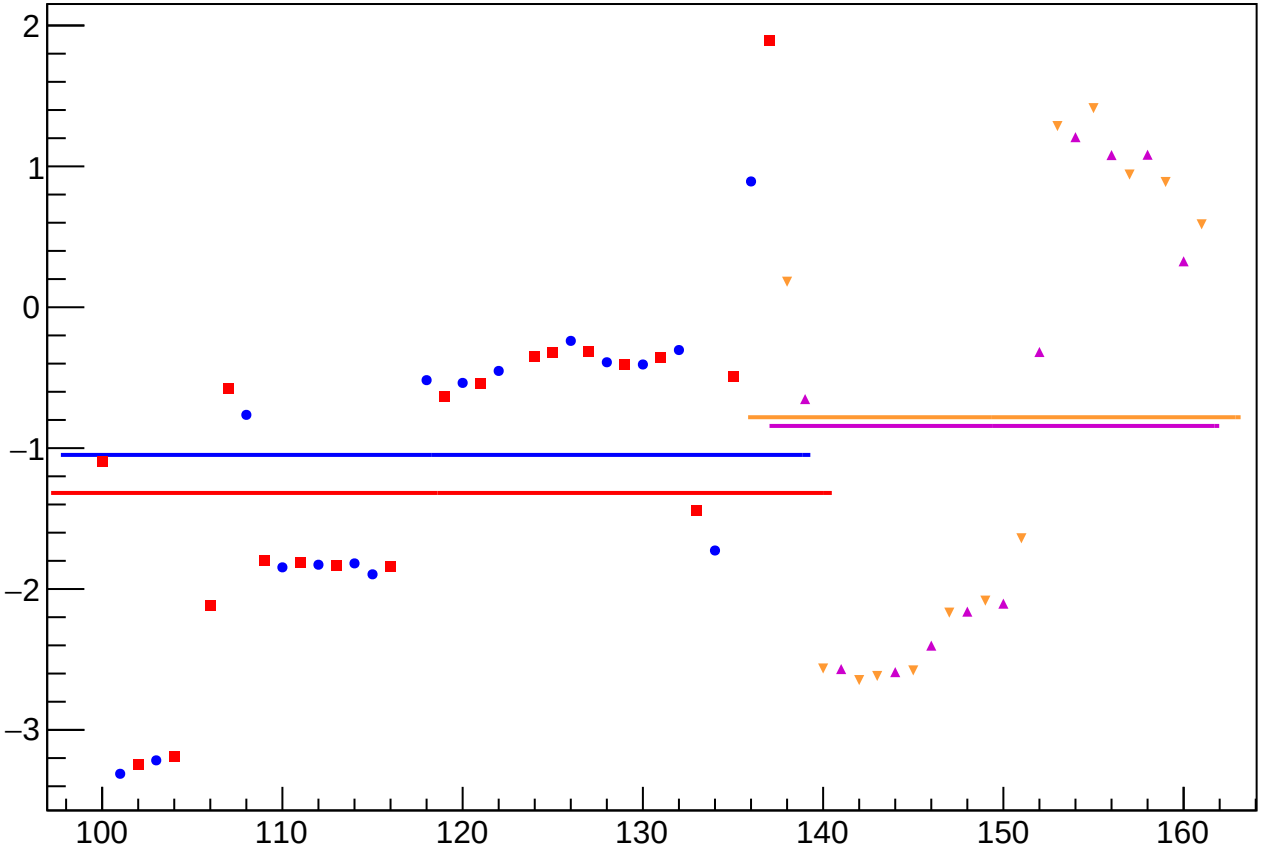
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:948753.3/26

Out: 0.004+/-0.000 χ^2/NDF:1227848.6/31

All: 0.004+/-0.000 χ^2/NDF: 2177373.7/58

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.781+/-0.000 χ^2/NDF:4775040930.3/12

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.842+/-0.000 χ^2/NDF:3747398855.9/10

Left: -0.810+/-0.000 χ^2/NDF: 8525701473.9/23

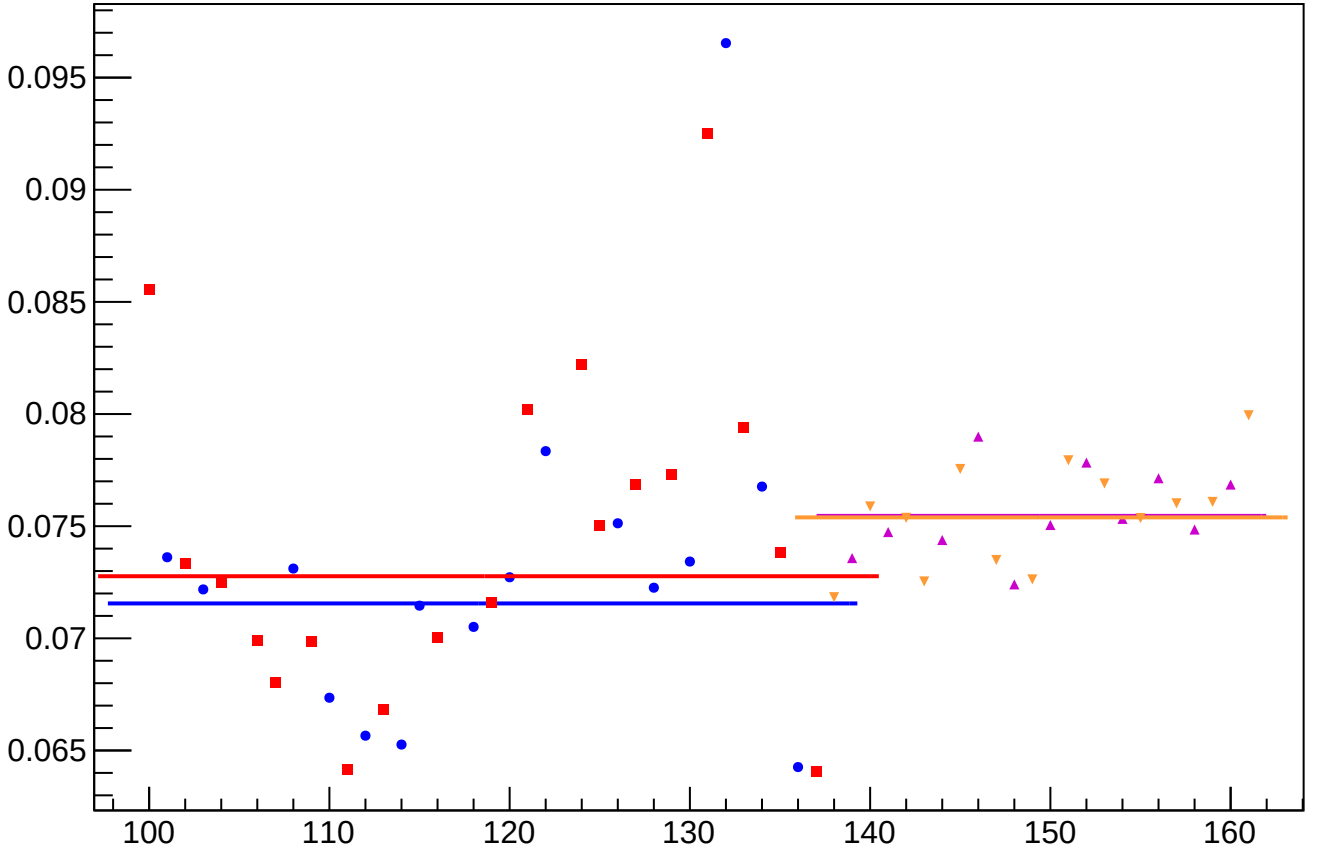
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.936+/-0.000 χ^2/NDF:6125970341.6/26

Out: -1.014+/-0.000 χ^2/NDF:6847173198.4/31

All: -0.976+/-0.000 χ^2/NDF: 12982501562.6/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:18945.2/12

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10893.9/10

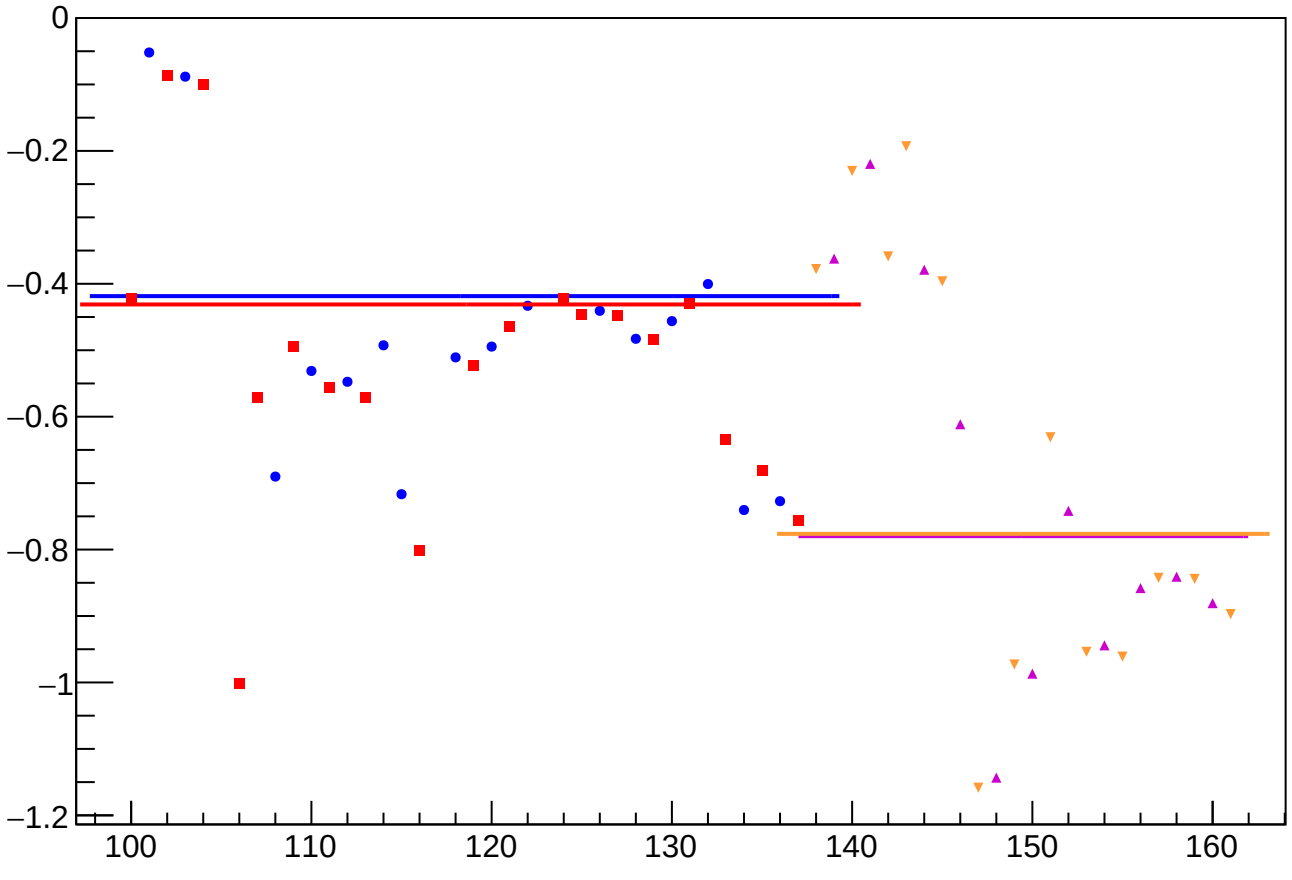
Left: 0.075+/-0.000 χ^2/NDF: 29846.8/23

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:134849.9/26

Out: 0.074+/-0.000 χ^2/NDF:126494.8/31

All: 0.074+/-0.000 χ^2/NDF: 262350.4/58



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.776+/-0.000 χ^2/NDF:13611245591.9/12

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.780+/-0.000 χ^2/NDF:10231532257.9/10

Left: -0.778+/-0.000 χ^2/NDF: 23843911231.5/23

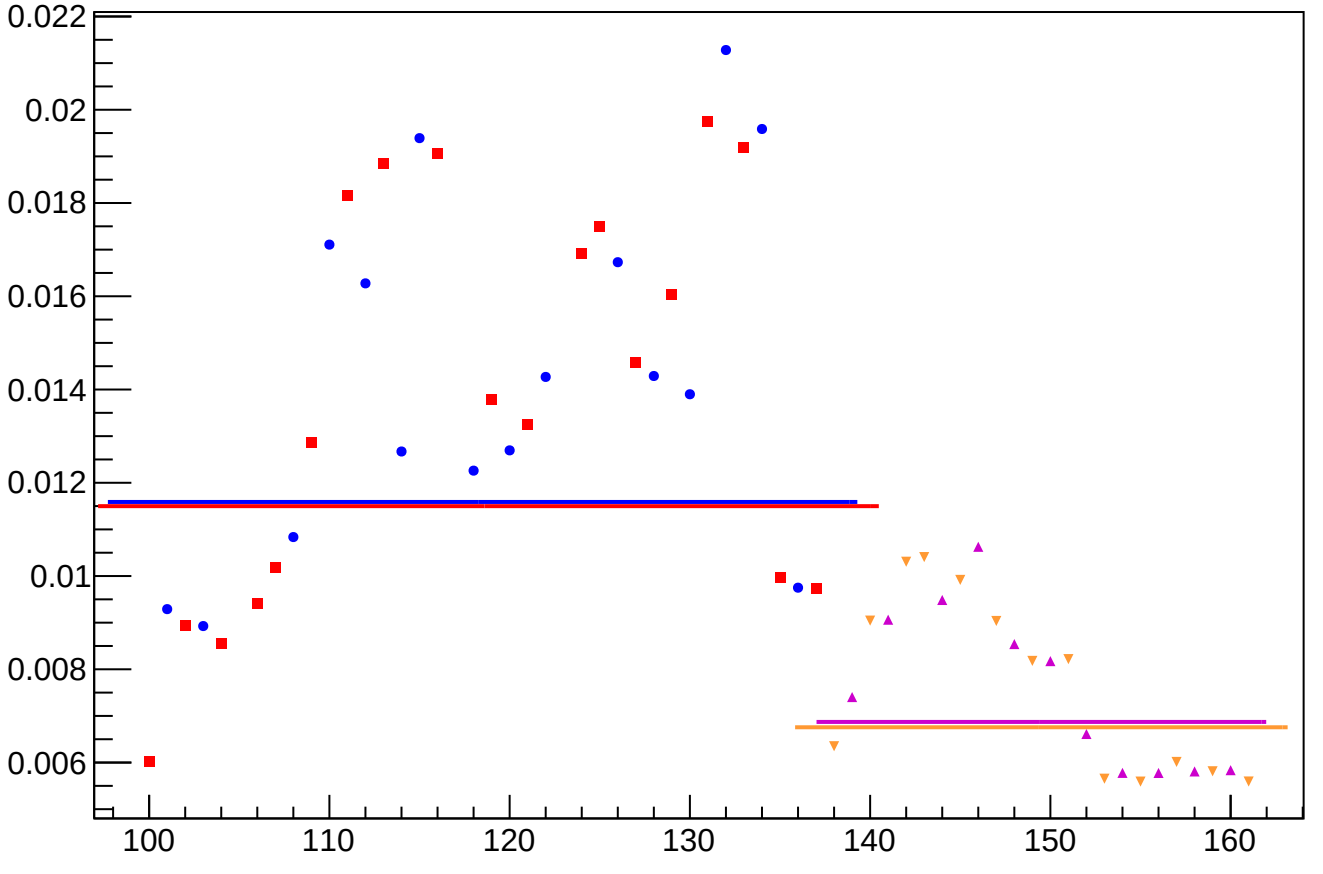
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.708+/-0.000 χ^2/NDF:17950752022.7/26

Out: -0.713+/-0.000 χ^2/NDF:21222512523.9/31

All: -0.711+/-0.000 χ^2/NDF: 39175299442.8/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:975927.6/12

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:739994.0/10

Left: 0.007+/-0.000 χ^2/NDF: 1718416.4/23

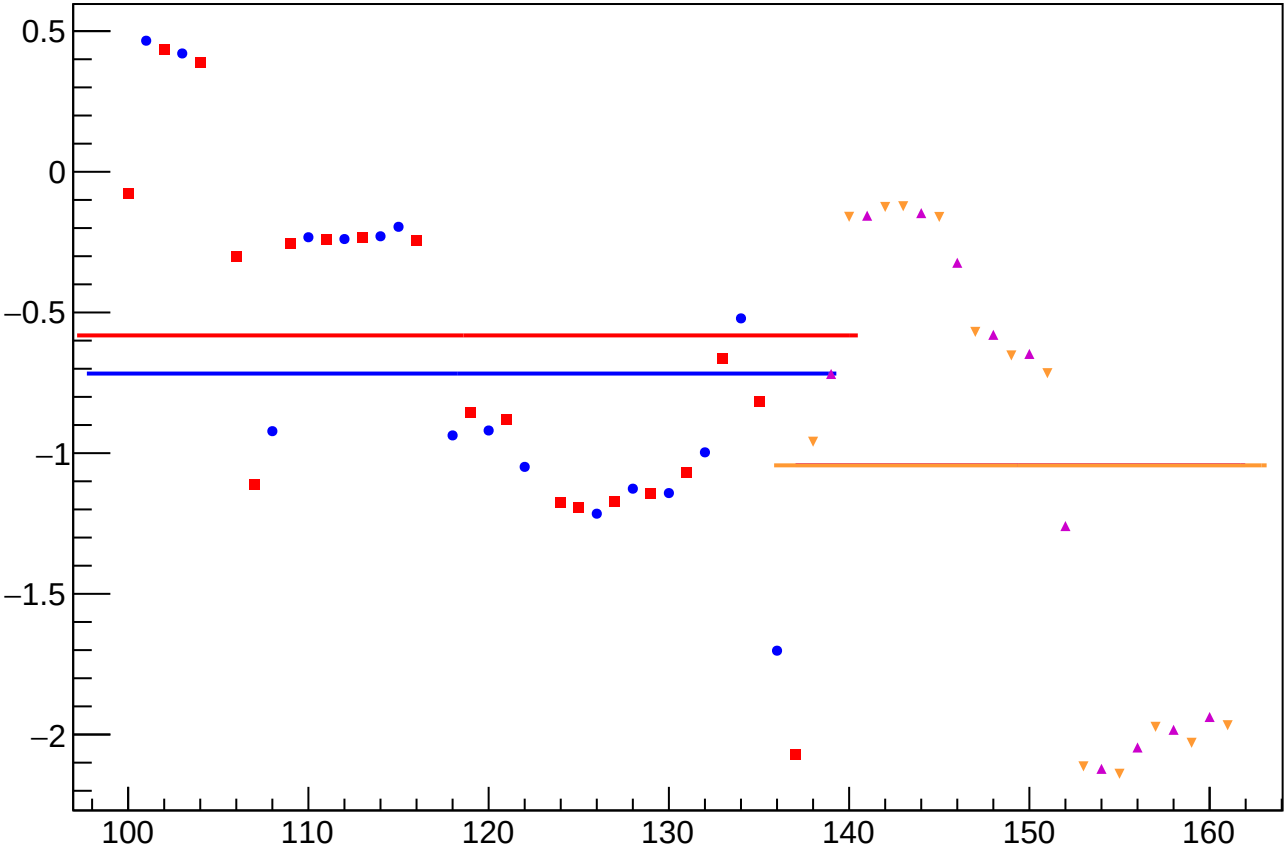
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.008+/-0.000 χ^2/NDF:3110957.7/26

Out: 0.008+/-0.000 χ^2/NDF:3806077.6/31

All: 0.008+/-0.000 χ^2/NDF: 6923898.1/58

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.043+/-0.000 χ^2/NDF:915839497.1/12

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.042+/-0.000 χ^2/NDF:750810605.1/10

Left: -1.043+/-0.000 χ^2/NDF: 1666650945.4/23

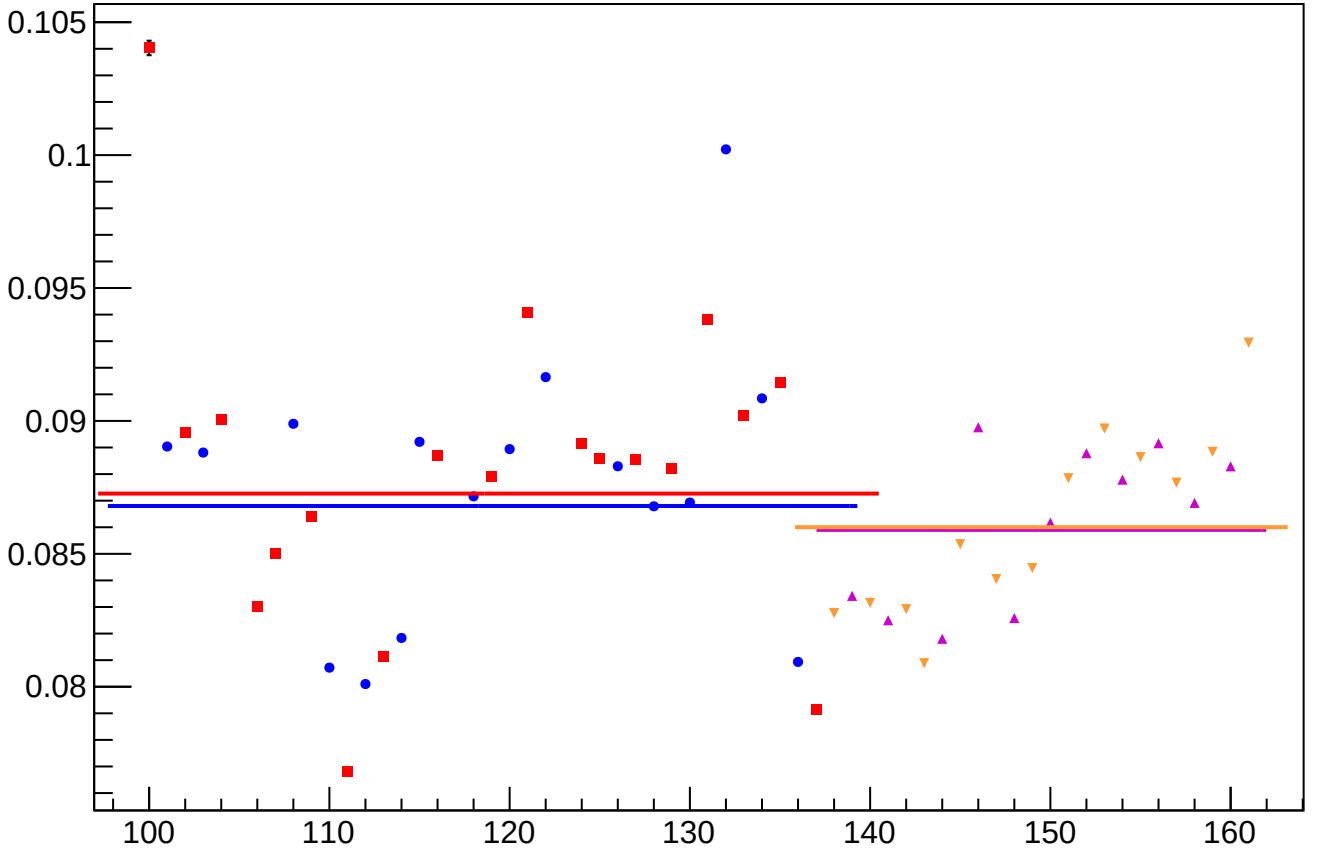
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.904+/-0.000 χ^2/NDF:1245967267.1/26

Out: -0.853+/-0.000 χ^2/NDF:1380302011.5/31

All: -0.877+/-0.000 χ^2/NDF: 2629247347.9/5

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:29947.9/12

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:21118.9/10

Left: 0.086+/-0.000 χ^2/NDF: 51080.2/23

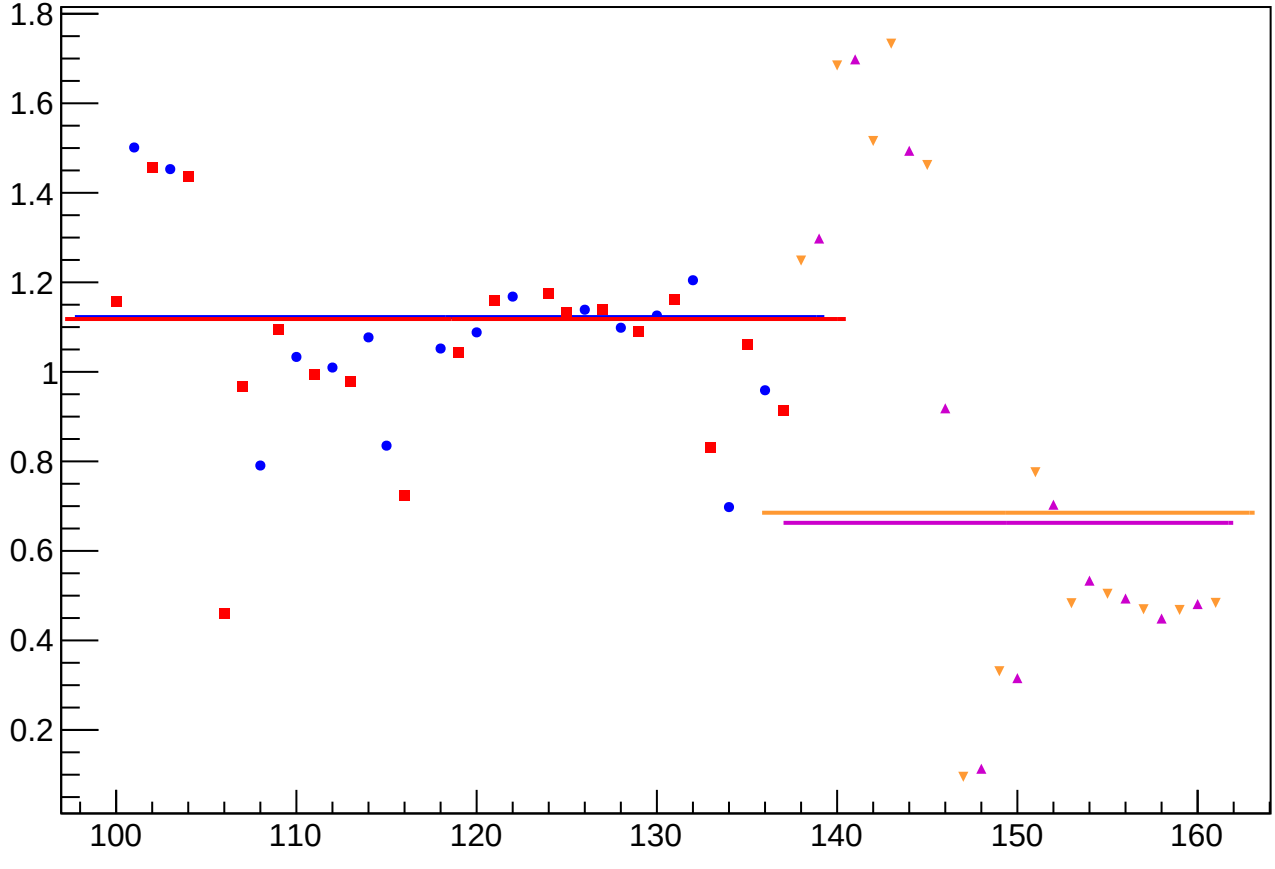
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:65574.5/26

Out: 0.087+/-0.000 χ^2/NDF:77948.4/31

All: 0.086+/-0.000 χ^2/NDF: 143655.0/58

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.685+/-0.000 χ^2/NDF:27186288848.3/12

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.663+/-0.000 χ^2/NDF:21312914940.6/10

Left: 0.674+/-0.000 χ^2/NDF: 48533805119.0/23

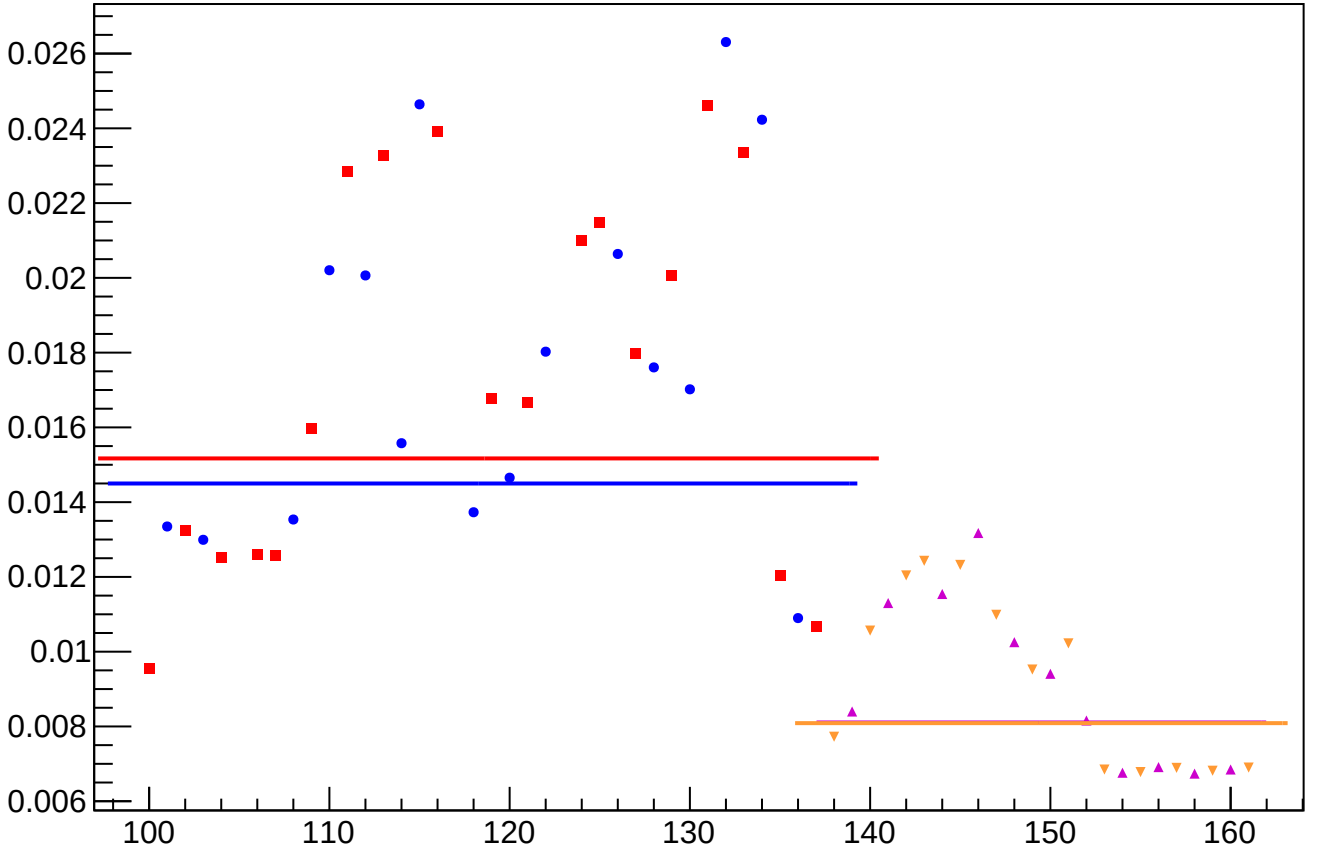
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.745+/-0.000 χ^2/NDF:27694462826.9/26

Out: 0.754+/-0.000 χ^2/NDF:32959883735.0/31

All: 0.749+/-0.000 χ^2/NDF: 60660537544.4/5

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:995703.7/12

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:838731.8/10

Left: 0.008+/-0.000 χ^2/NDF: 1834480.9/23

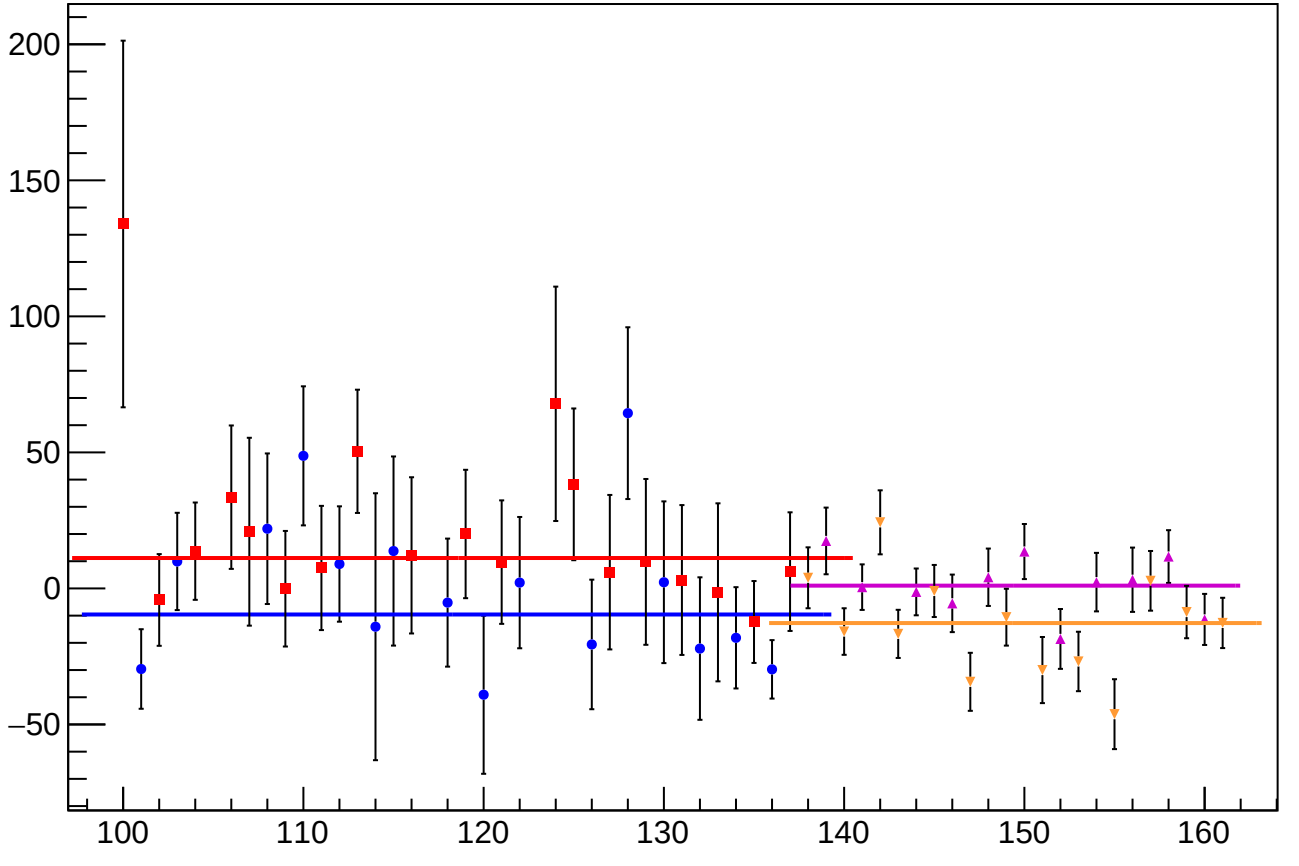
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3454733.8/26

Out: 0.009+/-0.000 χ^2/NDF:4111098.3/31

All: 0.009+/-0.000 χ^2/NDF: 7566135.0/58

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.729+/-2.857 χ^2/NDF:30.8/12

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.021+/-3.040 χ^2/NDF:10.1/10

Left: -6.280+/-2.082 χ^2/NDF: 51.7/23

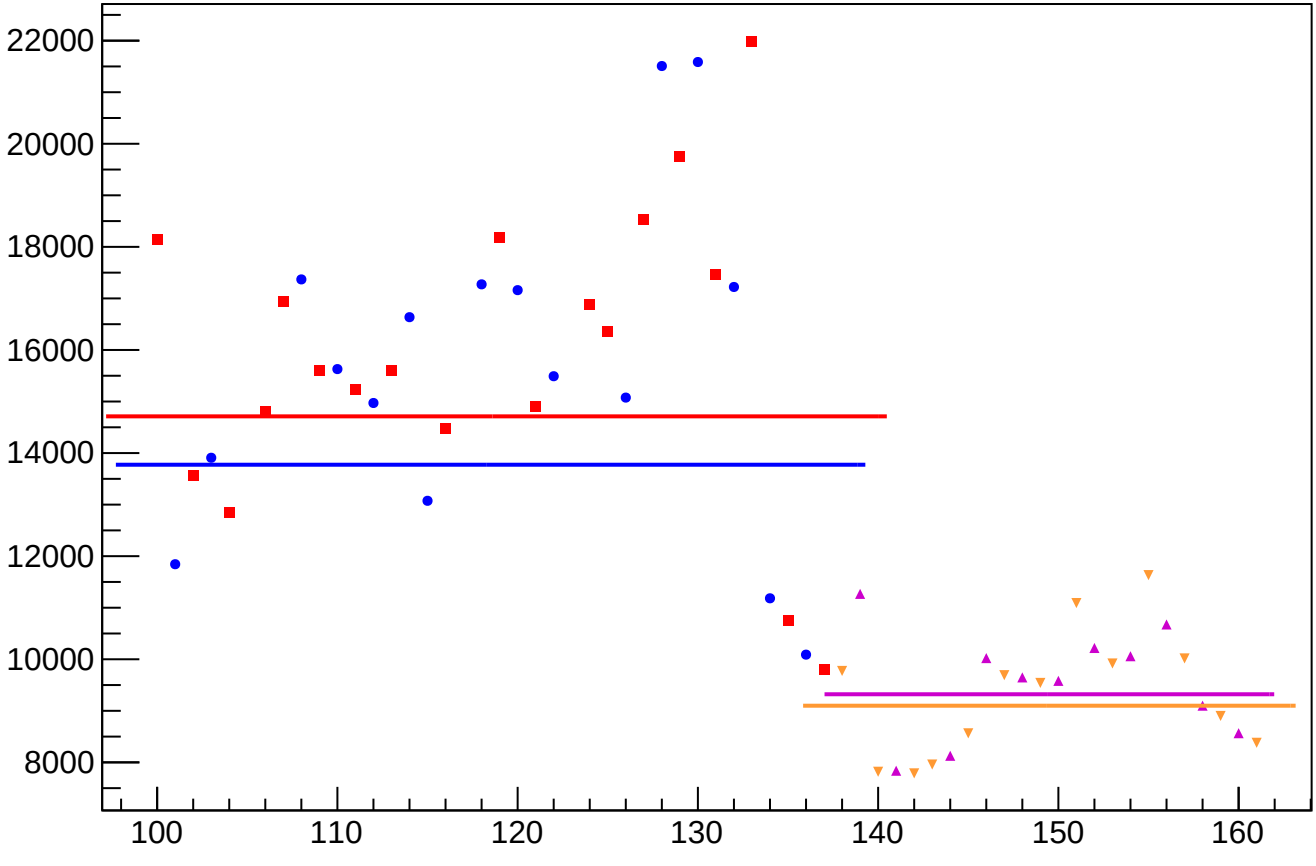
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.610+/-2.636 χ^2/NDF:35.0/26

Out: -7.645+/-2.535 χ^2/NDF:59.5/31

All: -4.745+/-1.827 χ^2/NDF: 97.3/58

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9099.199+/-2.020 χ^2/NDF:295913.6/12

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9321.353+/-2.150 χ^2/NDF:226848.5/10

Left: 9203.383+/-1.472 χ^2/NDF: 528433.2/23

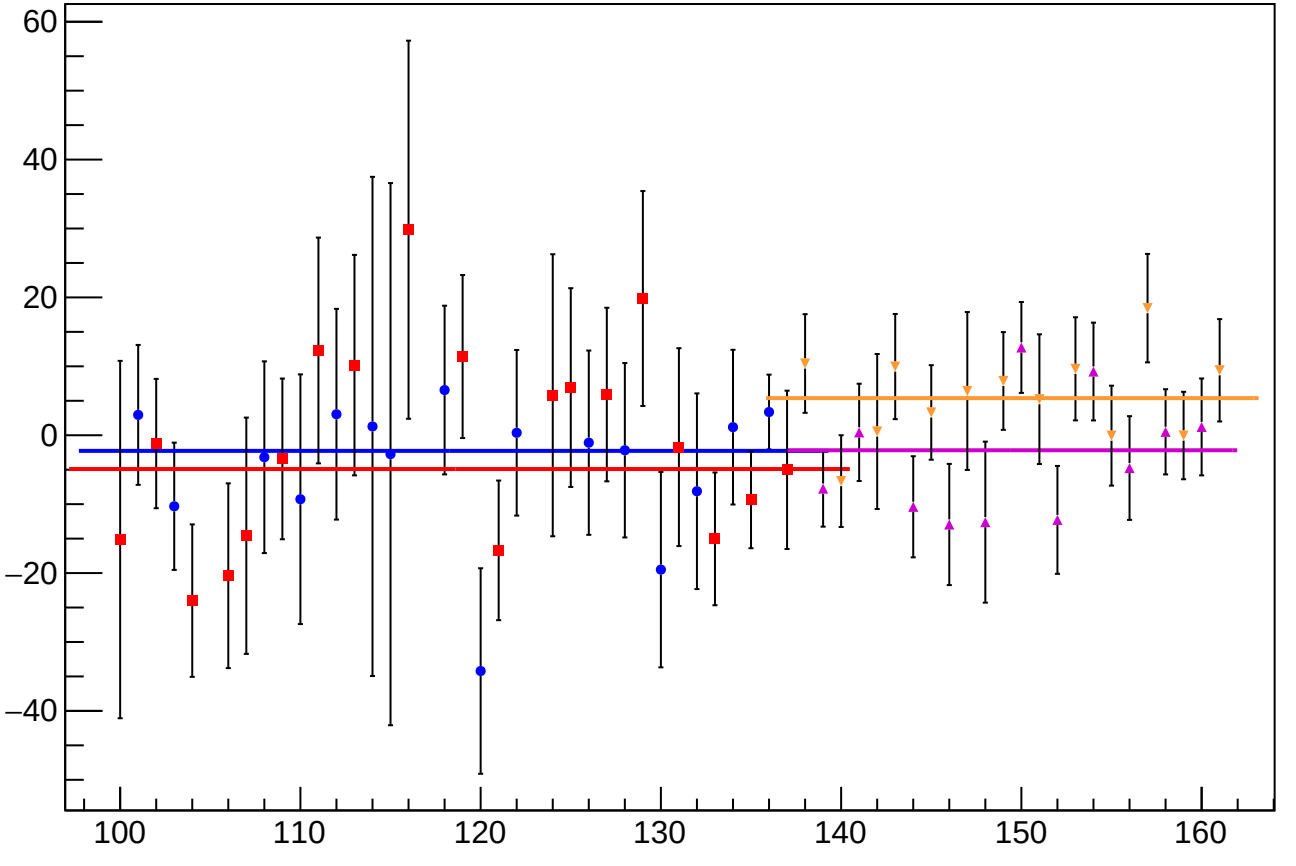
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10426.598+/-1.864 χ^2/NDF:2039328.7/26

Out: 10292.901+/-1.793 χ^2/NDF:2494946.1/31

All: 10357.142+/-1.292 χ^2/NDF: 4536947.7/5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.384+/-2.116 χ^2/NDF:9.2/12

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.181+/-2.157 χ^2/NDF:14.6/10

Left: 1.673+/-1.511 χ^2/NDF: 30.1/23

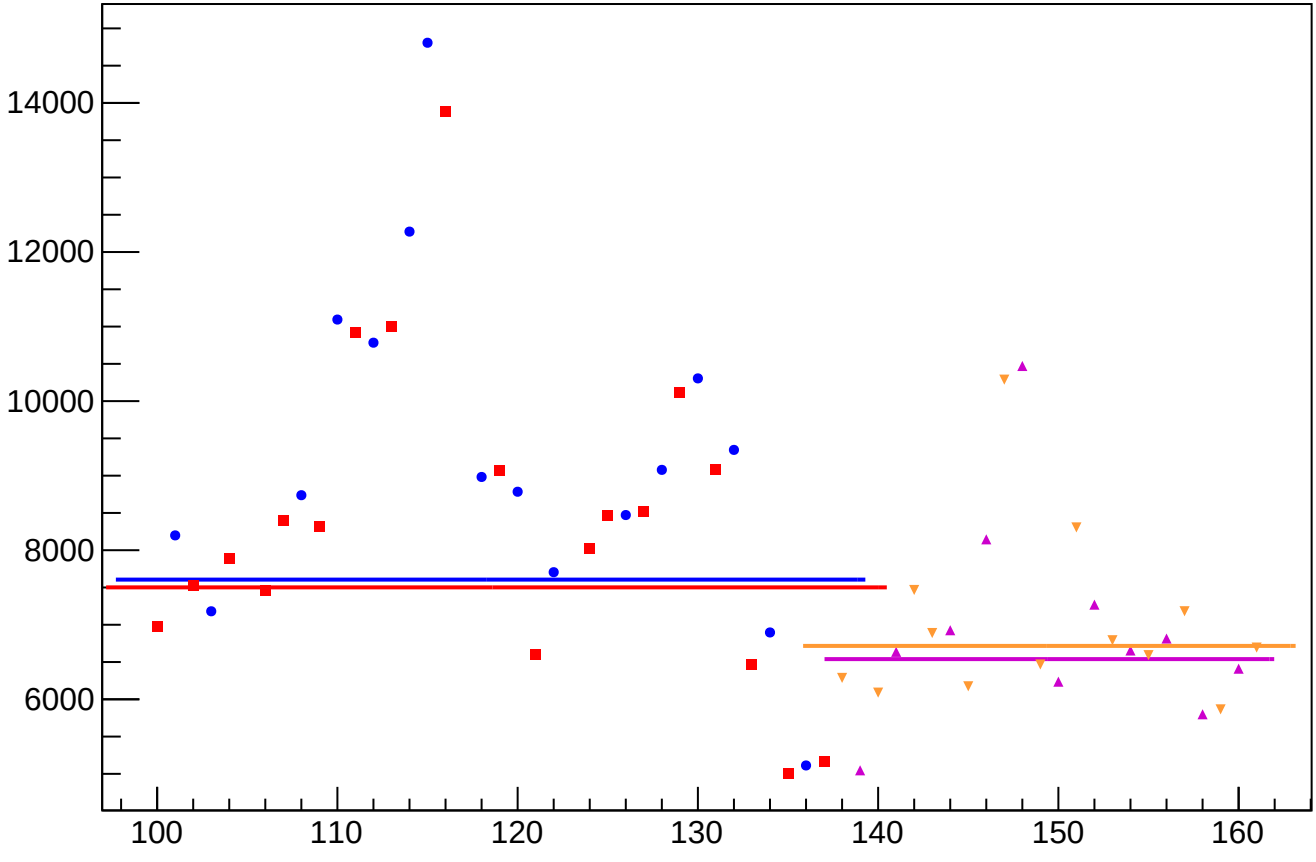
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.211+/-1.735 χ^2/NDF:23.9/26

Out: 1.704+/-1.696 χ^2/NDF:35.2/31

All: -0.209+/-1.213 χ^2/NDF: 61.7/58

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6716.268+/-1.497 χ^2/NDF:345056.3/12

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6539.157+/-1.525 χ^2/NDF:499487.3/10

Left: 6629.391+/-1.068 χ^2/NDF: 851413.9/23

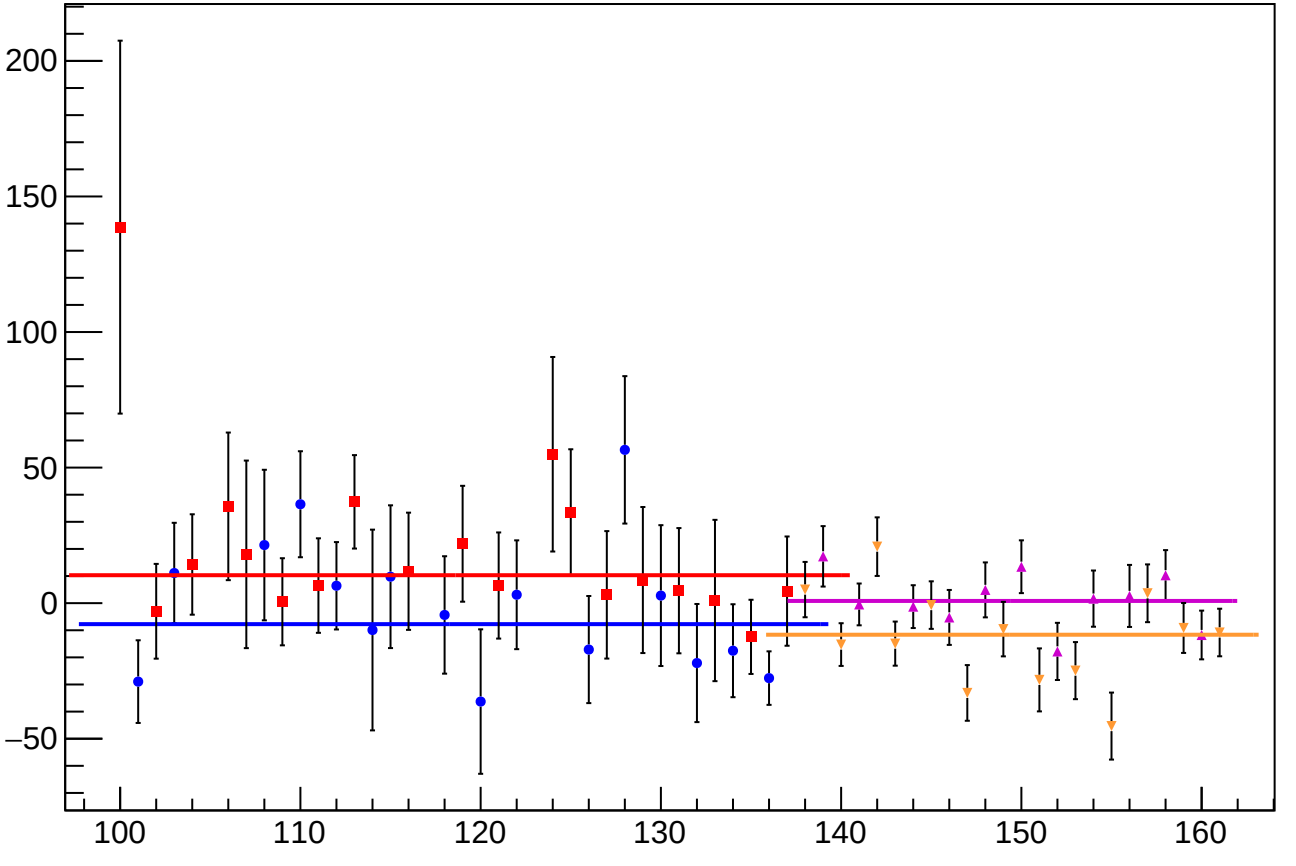
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6915.325+/-1.227 χ^2/NDF:1563454.5/26

Out: 6997.168+/-1.199 χ^2/NDF:1267102.0/31

All: 6957.181+/-0.858 χ^2/NDF: 2832831.5/58

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.645+/-2.688 χ^2/NDF:31.3/12

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 0.815+/-2.876 χ^2/NDF:10.6/10

Left: -5.835+/-1.964 χ^2/NDF: 51.9/23

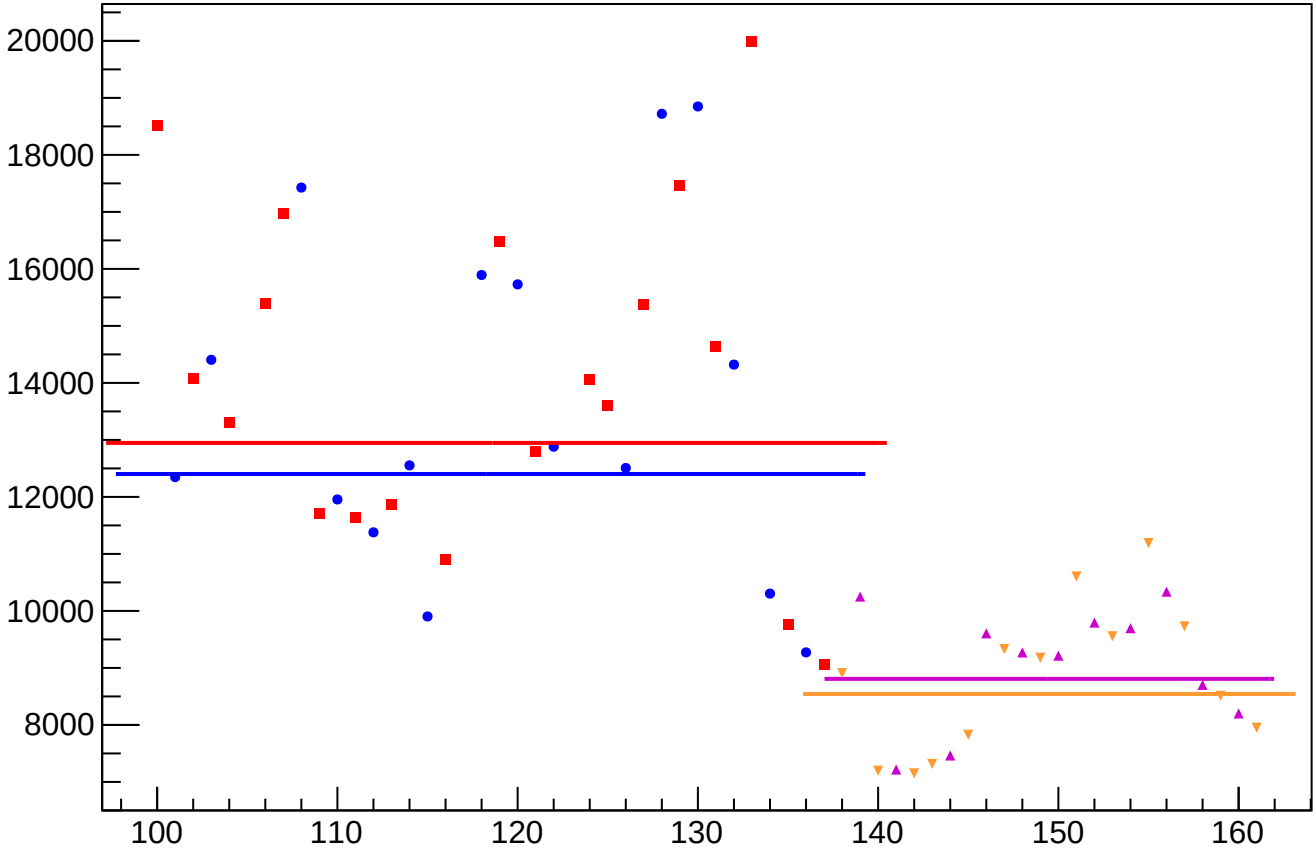
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.481+/-2.460 χ^2/NDF:35.7/26

Out: -6.469+/-2.350 χ^2/NDF:60.9/31

All: -4.089+/-1.699 χ^2/NDF: 98.7/58

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8542.724+/-1.901 χ^2/NDF:379919.5/12

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8808.151+/-2.034 χ^2/NDF:274042.8/10

Left: 8666.483+/-1.389 χ^2/NDF: 663053.5/23

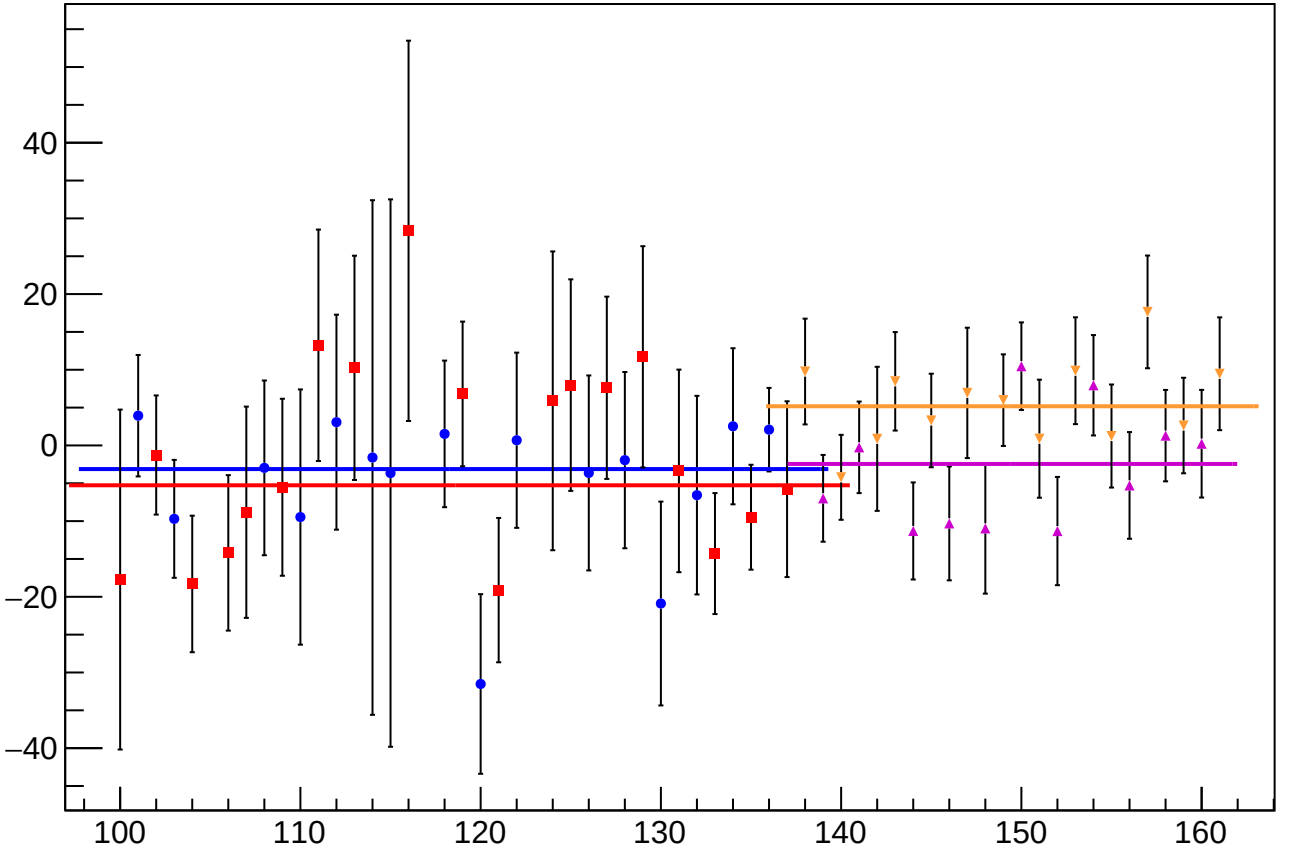
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9772.789+/-1.740 χ^2/NDF:1790458.0/26

Out: 9581.235+/-1.662 χ^2/NDF:2201040.5/31

All: 9672.633+/-1.202 χ^2/NDF: 3997838.8/58

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 5.176+/-1.914 χ^2/NDF:8.2/12

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.445+/-1.990 χ^2/NDF:14.4/10

Left: 1.514+/-1.379 χ^2/NDF: 30.2/23

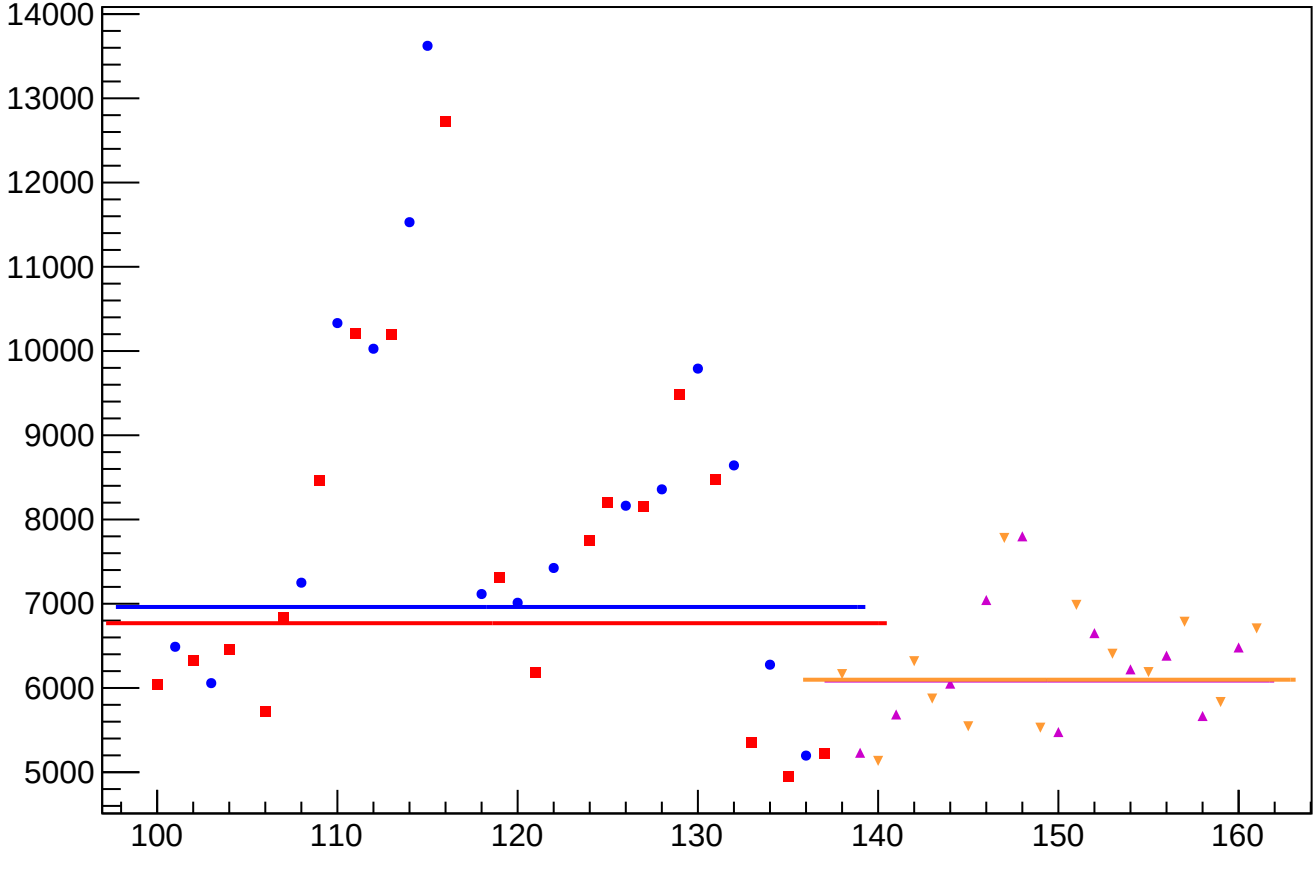
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.689+/-1.592 χ^2/NDF:25.3/26

Out: 1.420+/-1.531 χ^2/NDF:35.8/31

All: -0.554+/-1.104 χ^2/NDF: 64.6/58

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6098.108+/-1.353 χ^2/NDF:236704.6/12

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6087.940+/-1.407 χ^2/NDF:219649.0/10

Left: 6093.222+/-0.975 χ^2/NDF: 456380.7/23

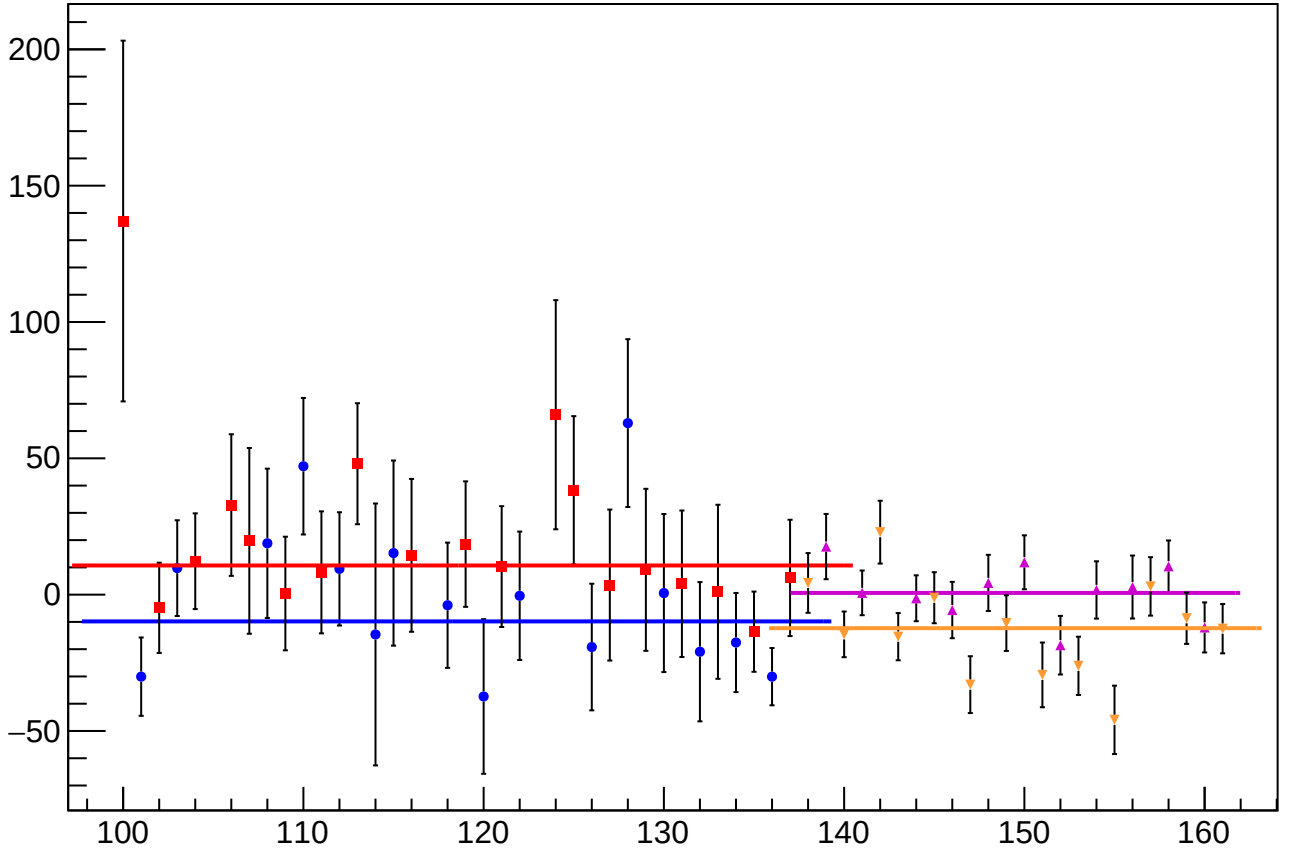
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6402.011+/-1.126 χ^2/NDF:1054703.5/26

Out: 6339.435+/-1.083 χ^2/NDF:1123235.8/31

All: 6369.501+/-0.780 χ^2/NDF: 2179544.1/58

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.291+/-2.794 χ^2/NDF:30.4/12

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.637+/-2.972 χ^2/NDF:10.0/10

Left: -6.227+/-2.036 χ^2/NDF: 50.5/23

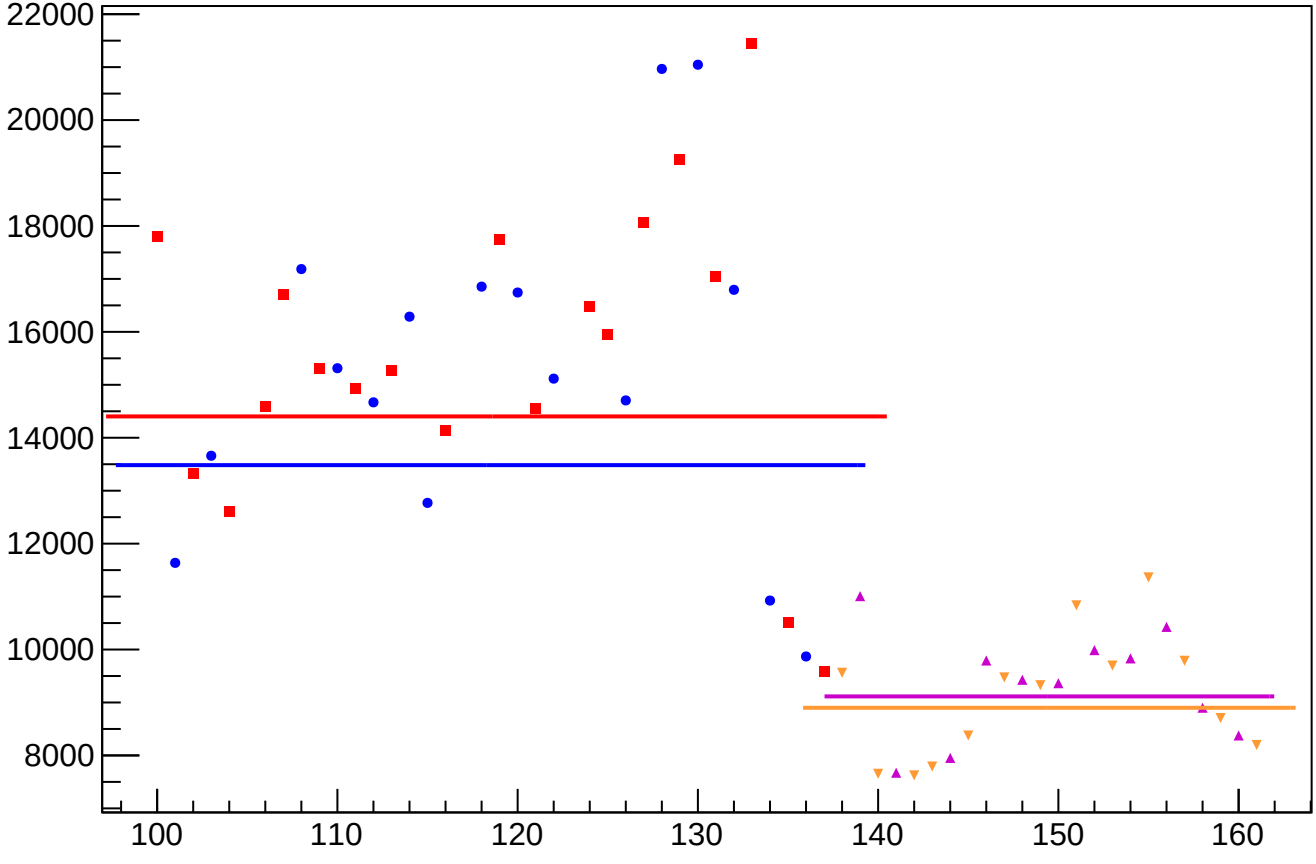
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.953+/-2.578 χ^2/NDF:35.1/26

Out: -7.408+/-2.480 χ^2/NDF:59.1/31

All: -4.786+/-1.787 χ^2/NDF: 96.5/58

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8899.974+/-1.976 χ^2/NDF:292723.8/12

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9114.883+/-2.102 χ^2/NDF:224106.0/10

Left: 9000.785+/-1.440 χ^2/NDF: 522380.1/23

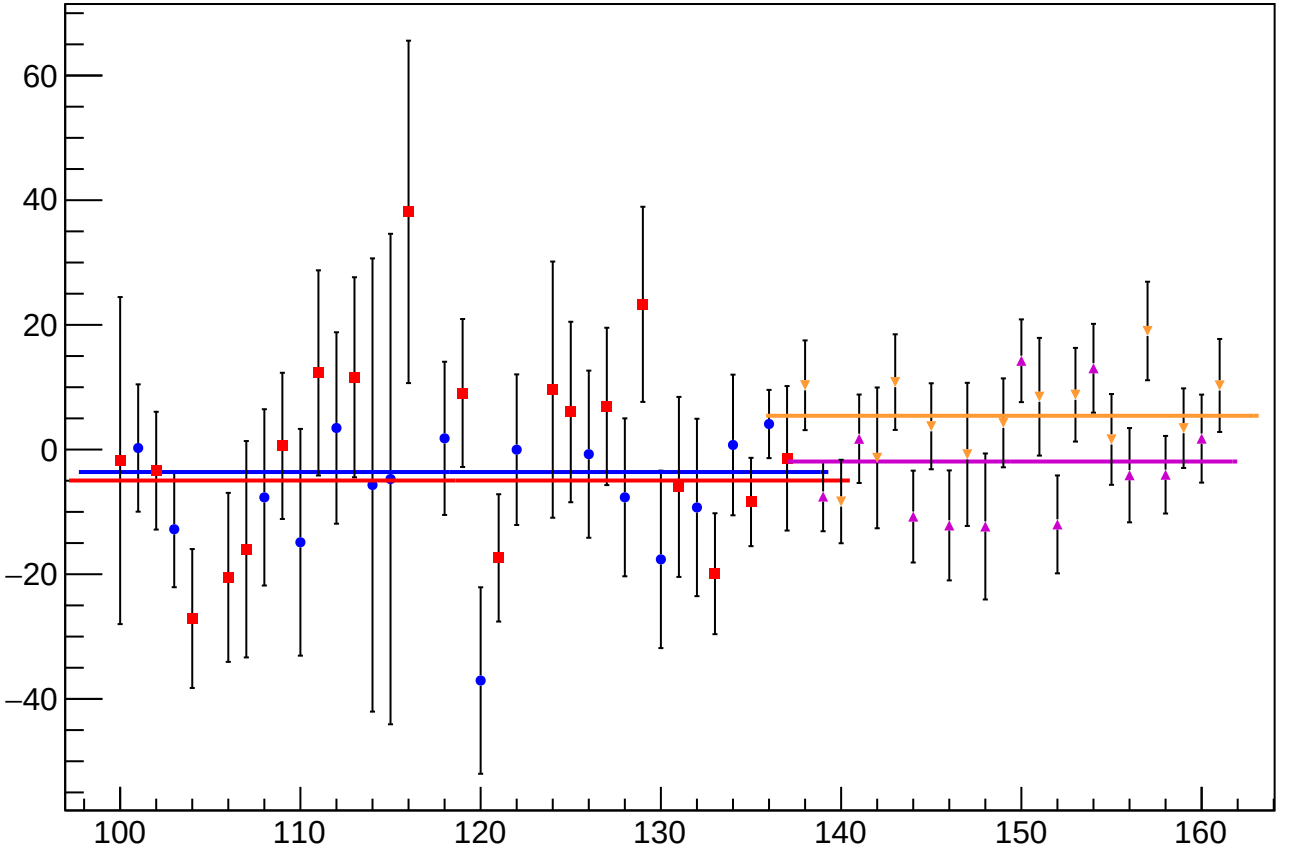
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10197.538+/-1.823 χ^2/NDF:2038241.1/26

Out: 10068.676+/-1.753 χ^2/NDF:2492689.6/31

All: 10130.605+/-1.264 χ^2/NDF: 4533526.4/5

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 5.422+/-2.127 χ^2/NDF:10.0/12

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.919+/-2.169 χ^2/NDF:17.3/10

Left: 1.822+/-1.518 χ^2/NDF: 33.1/23

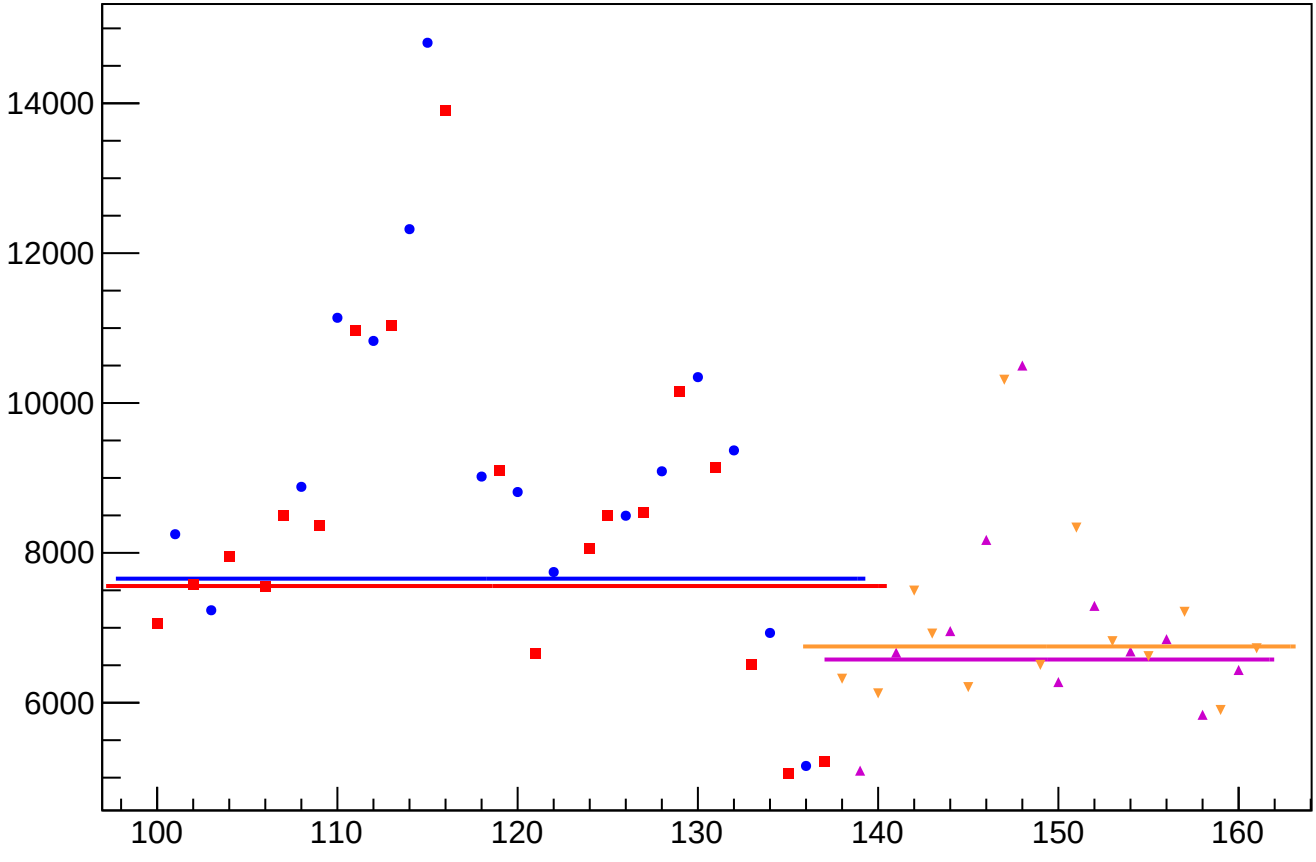
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.513+/-1.745 χ^2/NDF:28.0/26

Out: 1.715+/-1.706 χ^2/NDF:39.9/31

All: -0.351+/-1.220 χ^2/NDF: 70.9/58

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6750.846+/-1.504 χ^2/NDF:340835.2/12

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6576.637+/-1.533 χ^2/NDF:490058.3/10

Left: 6665.431+/-1.074 χ^2/NDF: 837472.3/23

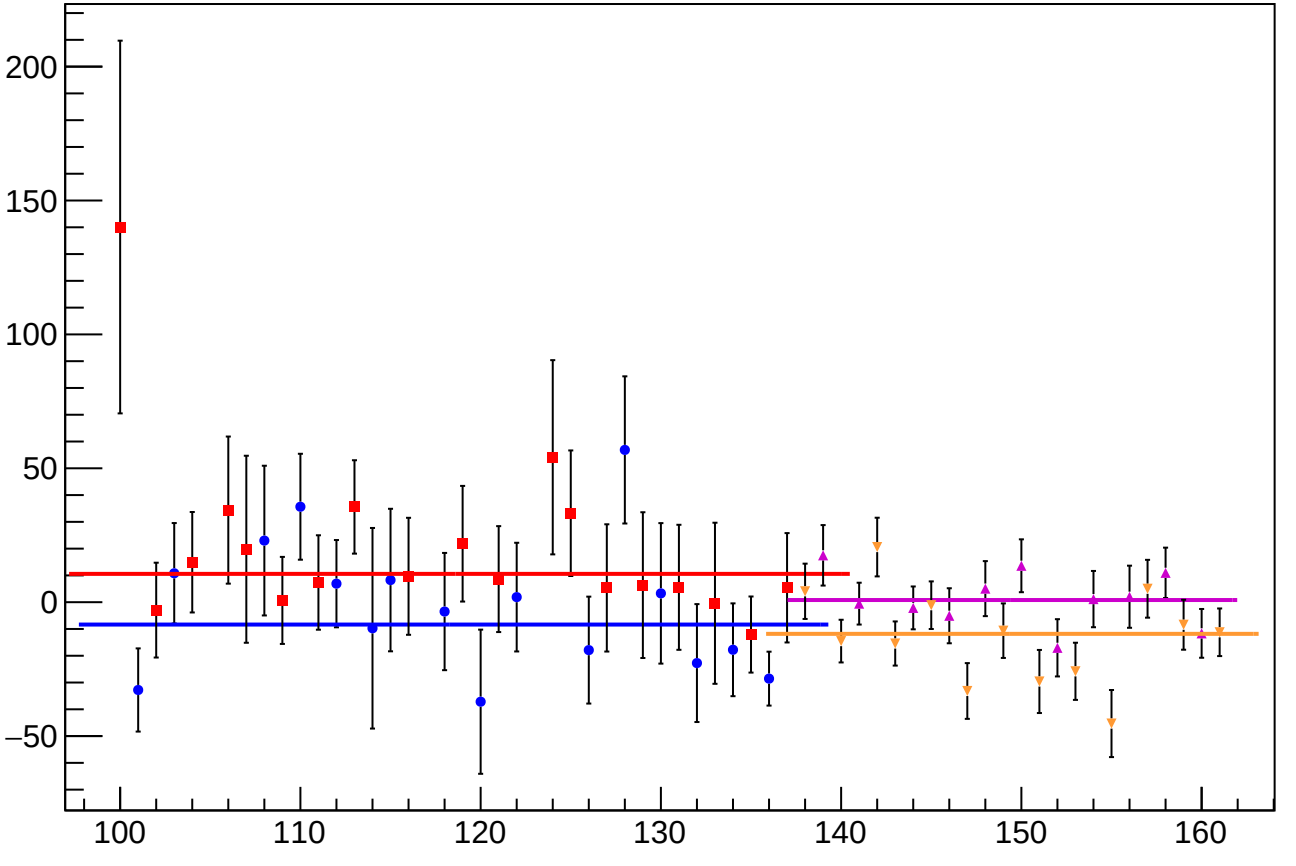
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6956.909+/-1.234 χ^2/NDF:1544370.0/26

Out: 7038.685+/-1.206 χ^2/NDF:1253351.3/31

All: 6998.732+/-0.863 χ^2/NDF: 2799967.2/58

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.825+/-2.724 χ^2/NDF:30.8/12

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.807+/-2.915 χ^2/NDF:10.4/10

Left: -5.936+/-1.990 χ^2/NDF: 51.2/23

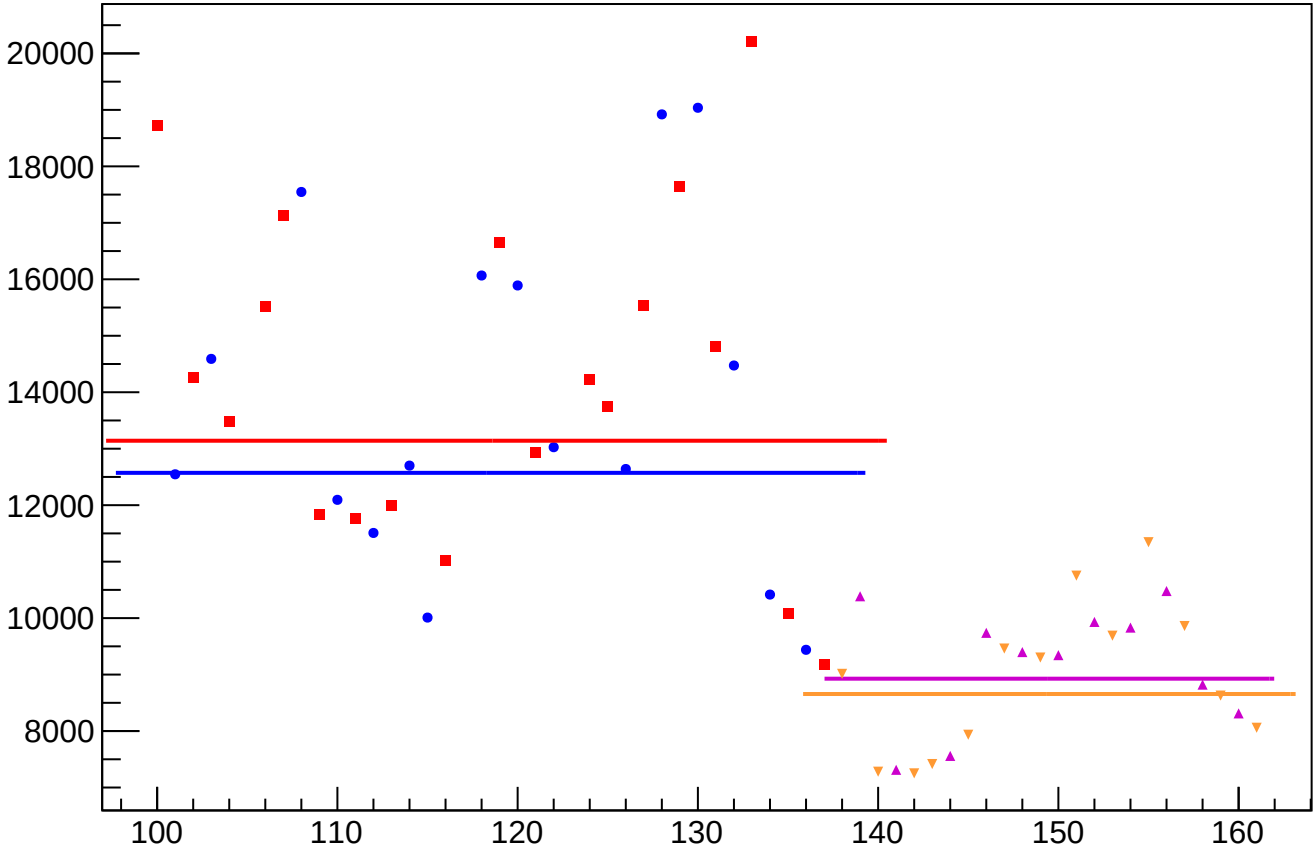
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.650+/-2.494 χ^2/NDF:36.3/26

Out: -6.555+/-2.382 χ^2/NDF:59.6/31

All: -4.215+/-1.722 χ^2/NDF: 97.9/58

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8656.122+/-1.926 χ^2/NDF:381419.5/12

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8927.354+/-2.061 χ^2/NDF:275139.3/10

Left: 8782.555+/-1.407 χ^2/NDF: 665801.7/23

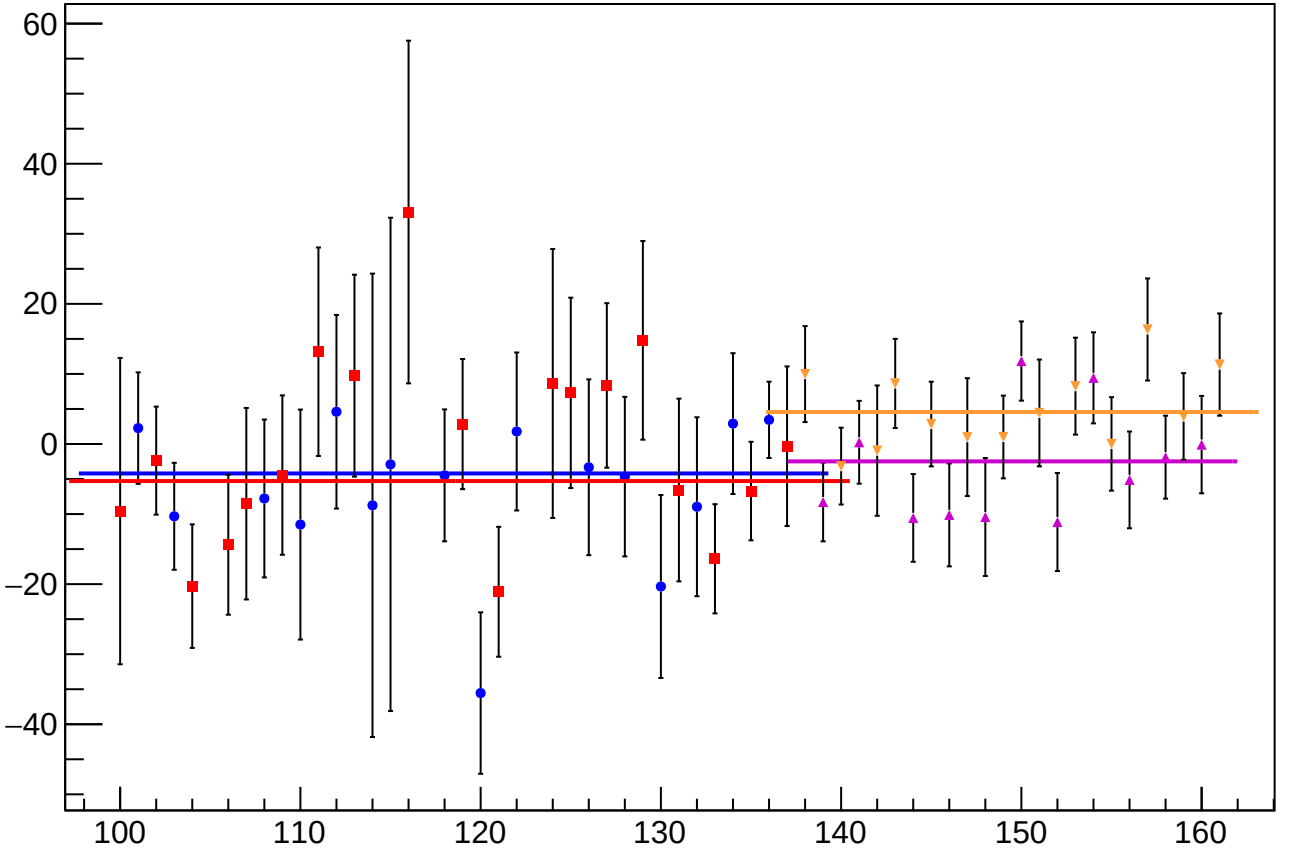
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9905.492+/-1.763 χ^2/NDF:1779292.2/26

Out: 9711.412+/-1.684 χ^2/NDF:2191854.3/31

All: 9804.017+/-1.218 χ^2/NDF: 3977481.2/58

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.568+/-1.872 χ^2/NDF:8.2/12

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.481+/-1.946 χ^2/NDF:16.5/10

Left: 1.180+/-1.349 χ^2/NDF: 31.5/23

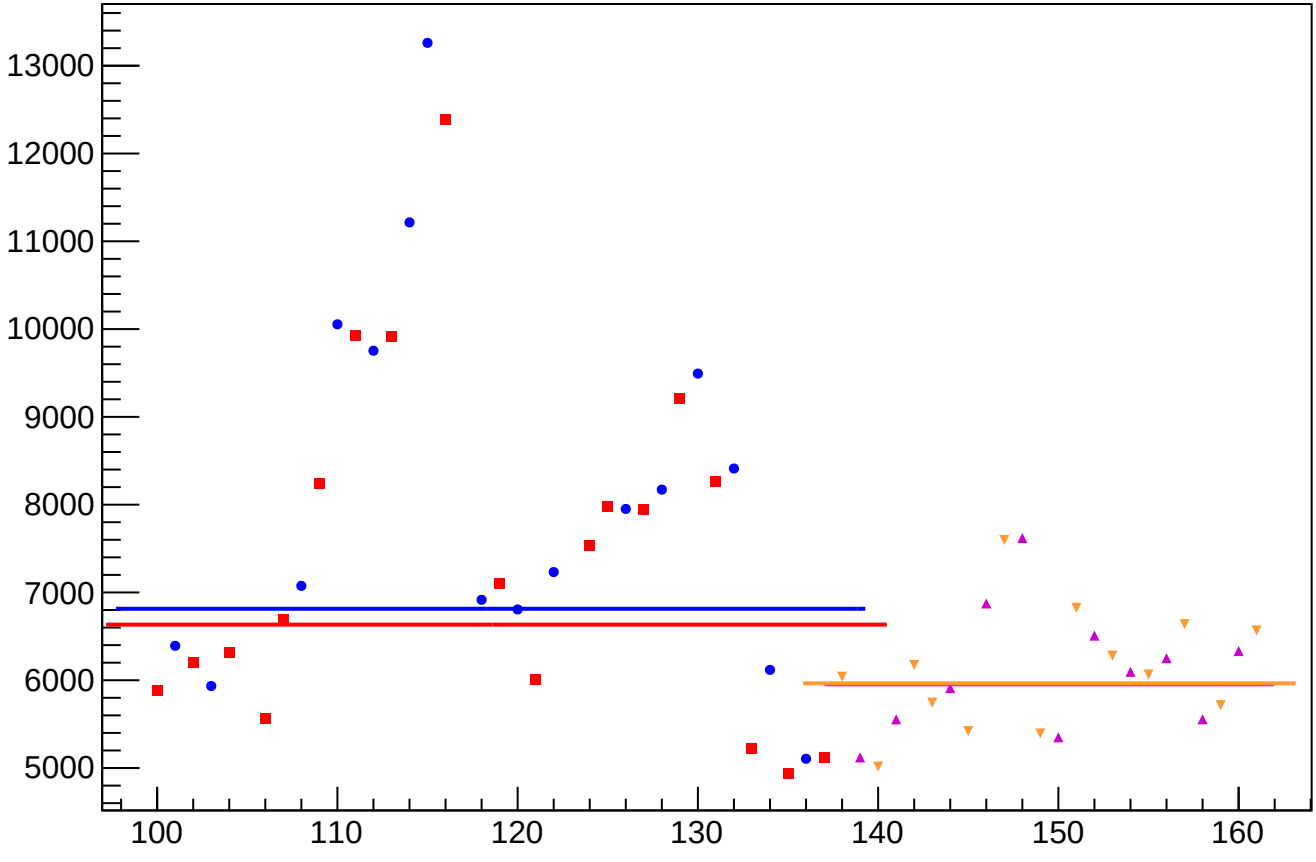
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.099+/-1.558 χ^2/NDF:30.6/26

Out: 1.031+/-1.499 χ^2/NDF:37.9/31

All: -0.954+/-1.080 χ^2/NDF: 72.2/58

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5964.906+/-1.324 χ^2/NDF:237702.2/12

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5954.571+/-1.376 χ^2/NDF:218040.7/10

Left: 5959.939+/-0.954 χ^2/NDF: 455772.2/23

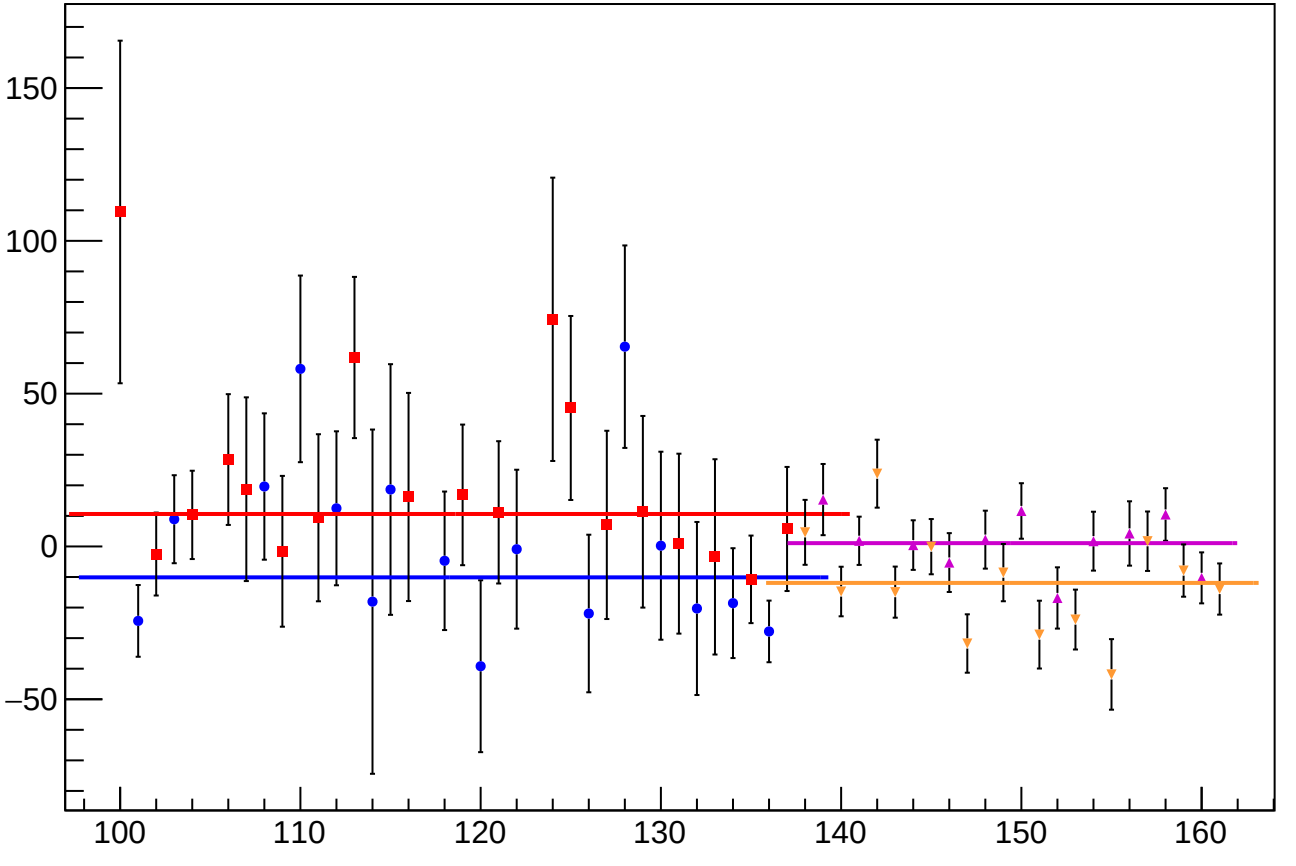
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6263.175+/-1.102 χ^2/NDF:1032271.5/26

Out: 6204.904+/-1.060 χ^2/NDF:1092668.9/31

All: 6232.913+/-0.764 χ^2/NDF: 2126393.5/58

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.931+/-2.621 χ^2/NDF:32.0/12

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.084+/-2.771 χ^2/NDF:9.6/10

Left: -5.785+/-1.904 χ^2/NDF: 53.3/23

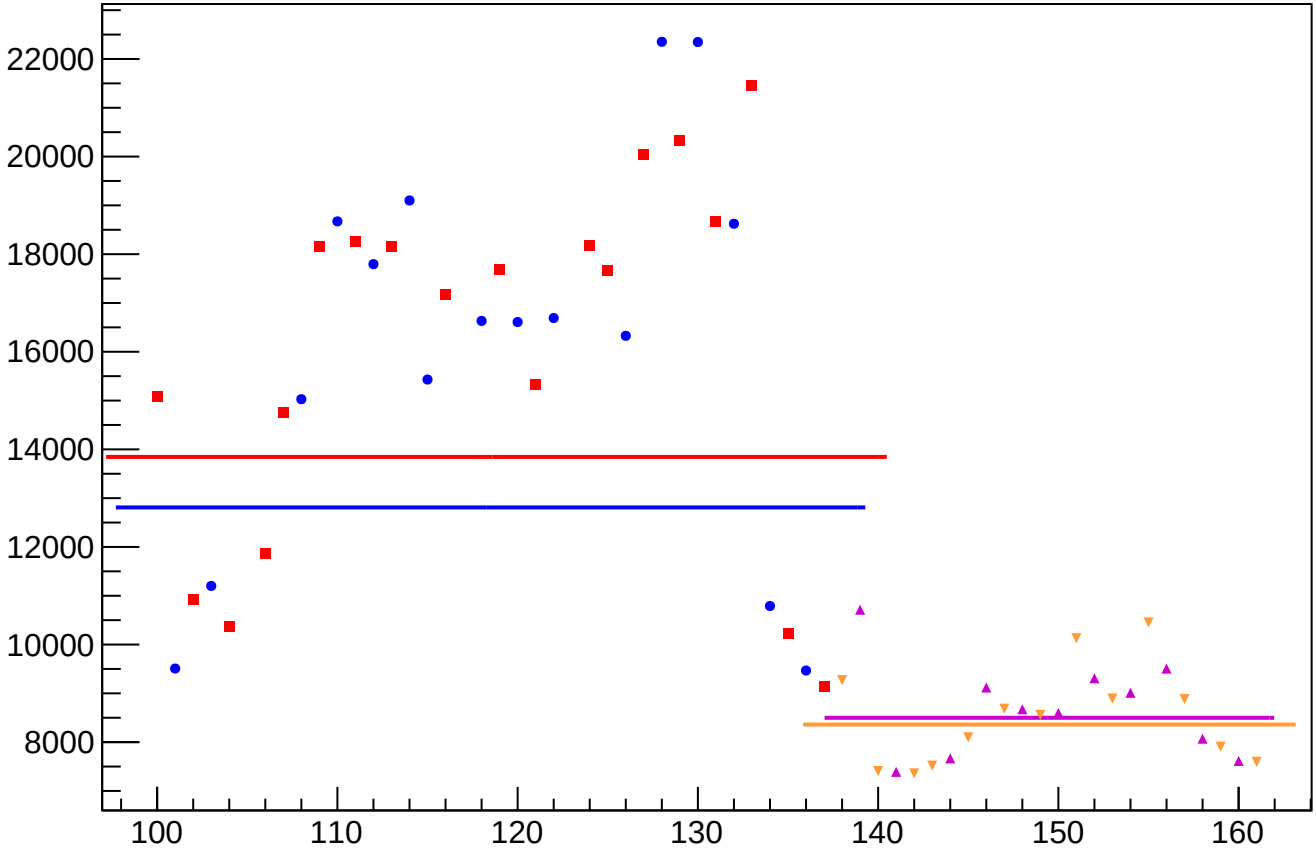
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.533+/-2.426 χ^2/NDF:34.7/26

Out: -7.468+/-2.347 χ^2/NDF:61.4/31

All: -4.598+/-1.687 χ^2/NDF: 99.2/58

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8360.860+/-1.853 χ^2/NDF:234086.0/12

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8499.020+/-1.959 χ^2/NDF:206399.2/10

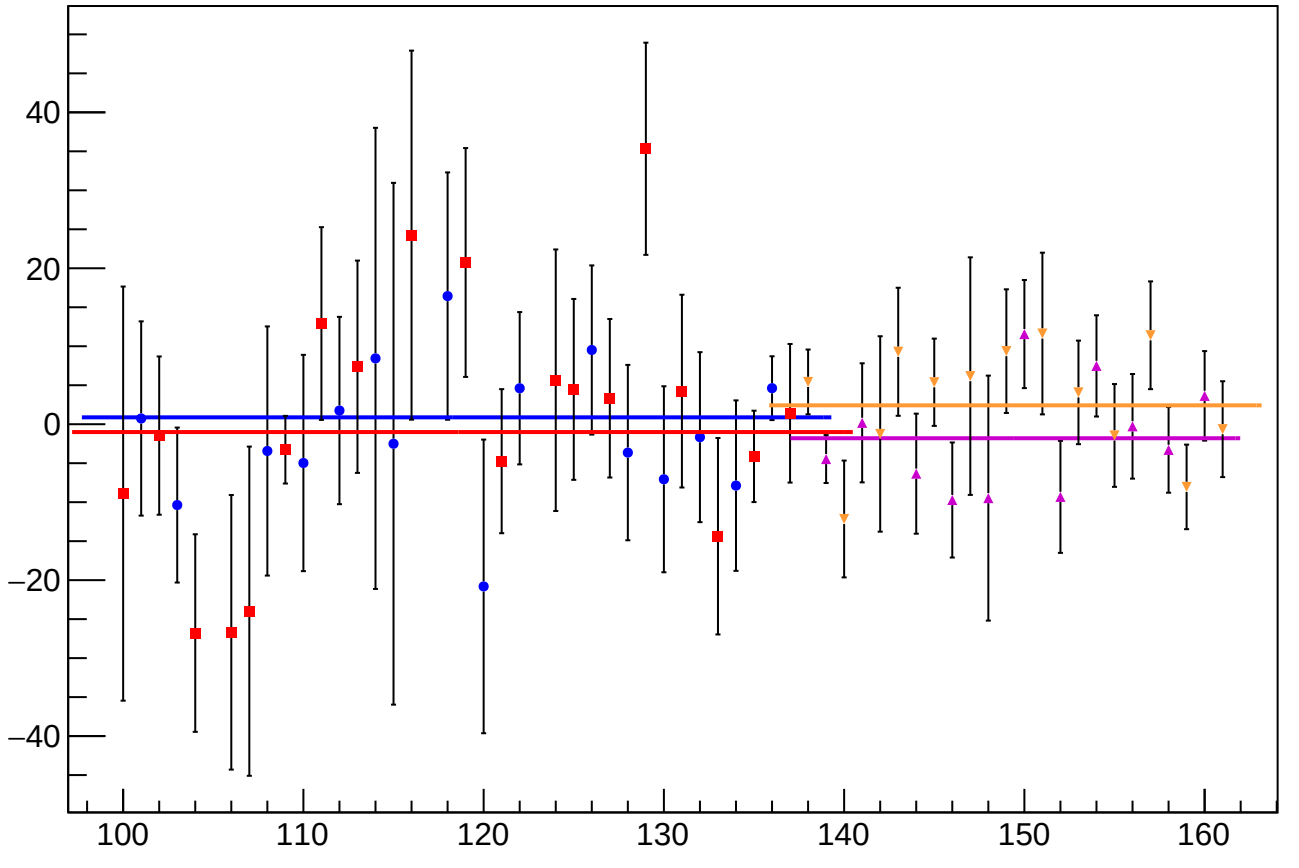
Left: 8426.098+/-1.346 χ^2/NDF: 443109.6/23

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9506.564+/-1.715 χ^2/NDF:2586102.6/26

Out: 9446.158+/-1.660 χ^2/NDF:3063913.3/31

All: 9475.370+/-1.193 χ^2/NDF: 5650656.4/58



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.421+/-1.872 χ^2/NDF:13.1/12

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -1.798+/-1.790 χ^2/NDF:10.4/10

Left: 0.218+/-1.294 χ^2/NDF: 26.1/23

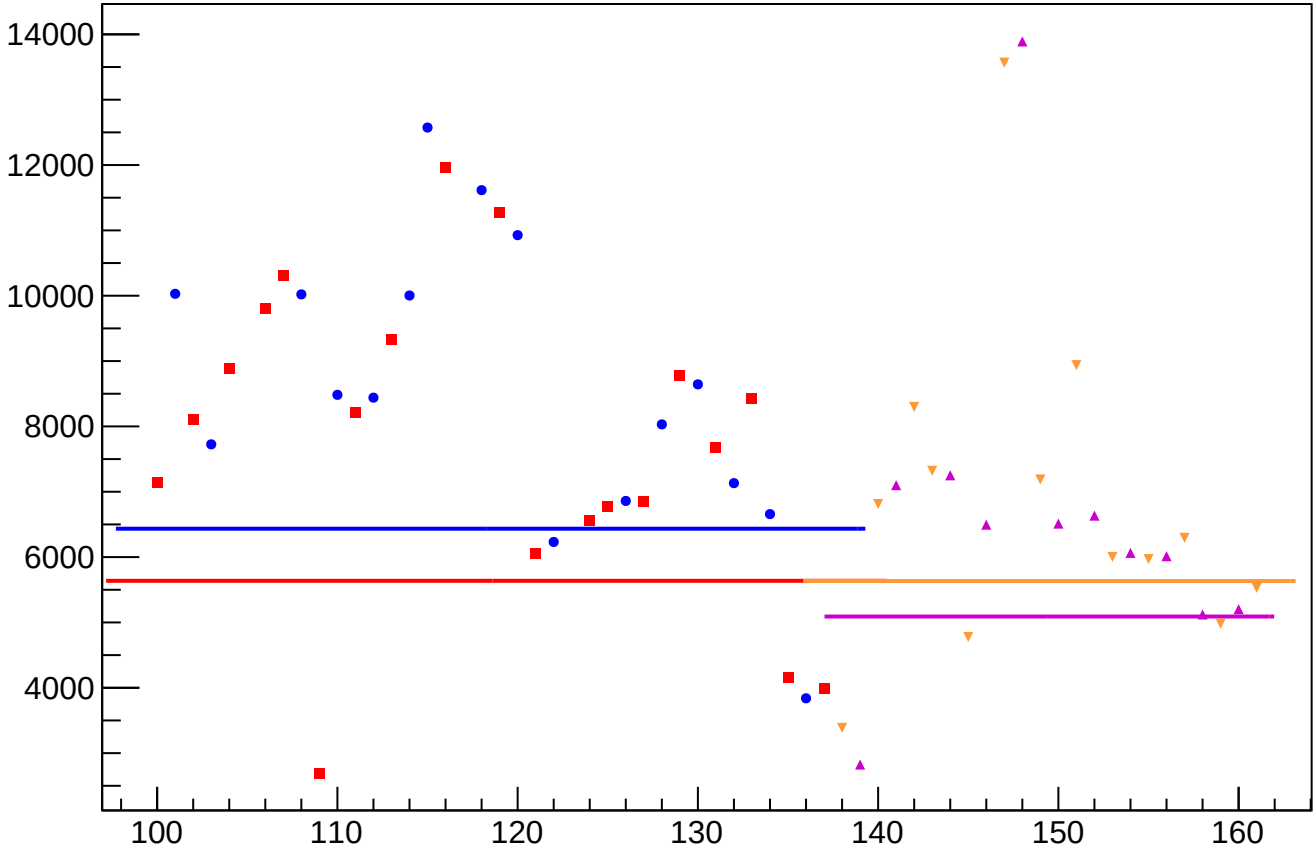
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.921+/-1.468 χ^2/NDF:18.0/26

Out: 1.066+/-1.455 χ^2/NDF:36.7/31

All: 0.081+/-1.034 χ^2/NDF: 55.6/58

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5633.842+/-1.323 χ^2/NDF:1737591.4/12

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5090.697+/-1.266 χ^2/NDF:2343920.1/10

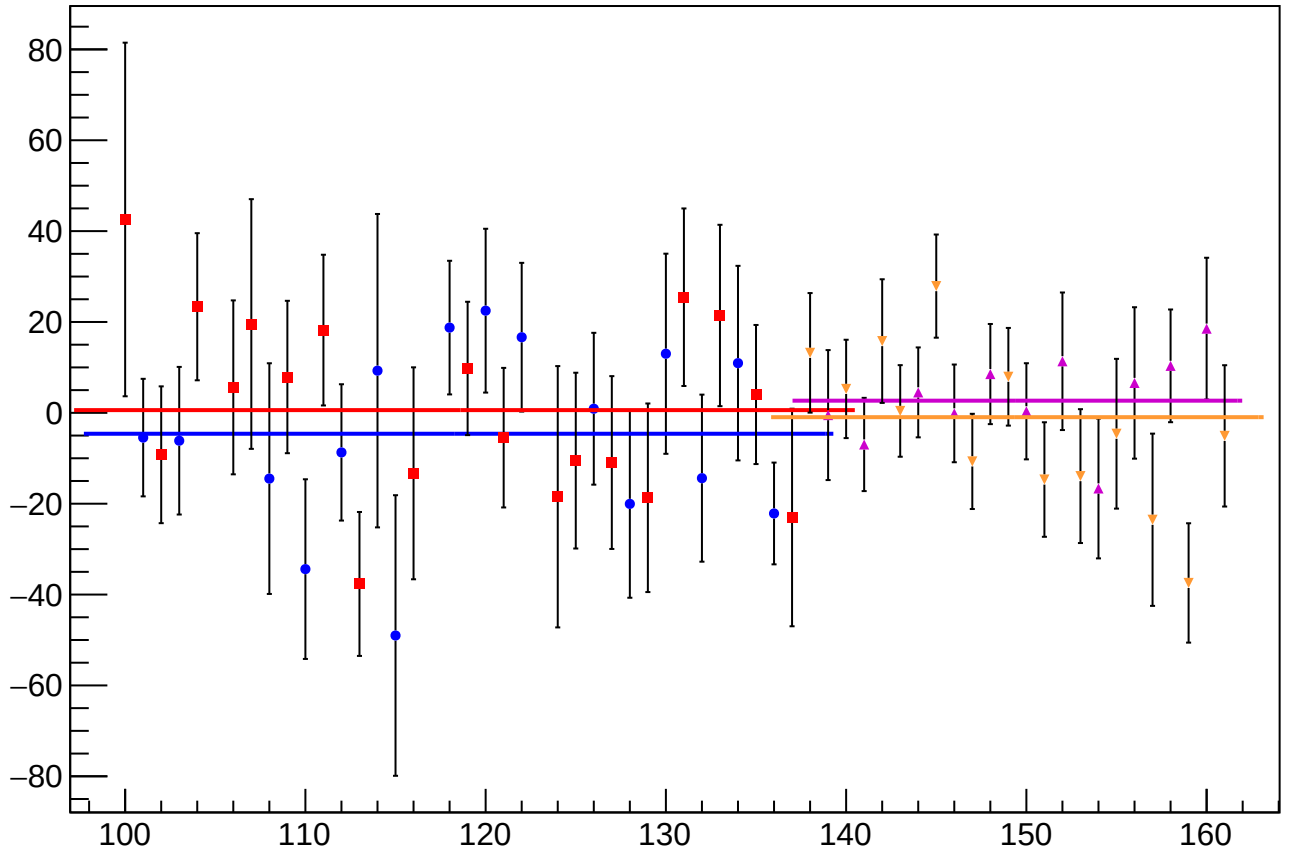
Left: 5350.218+/-0.915 χ^2/NDF: 4169464.5/23

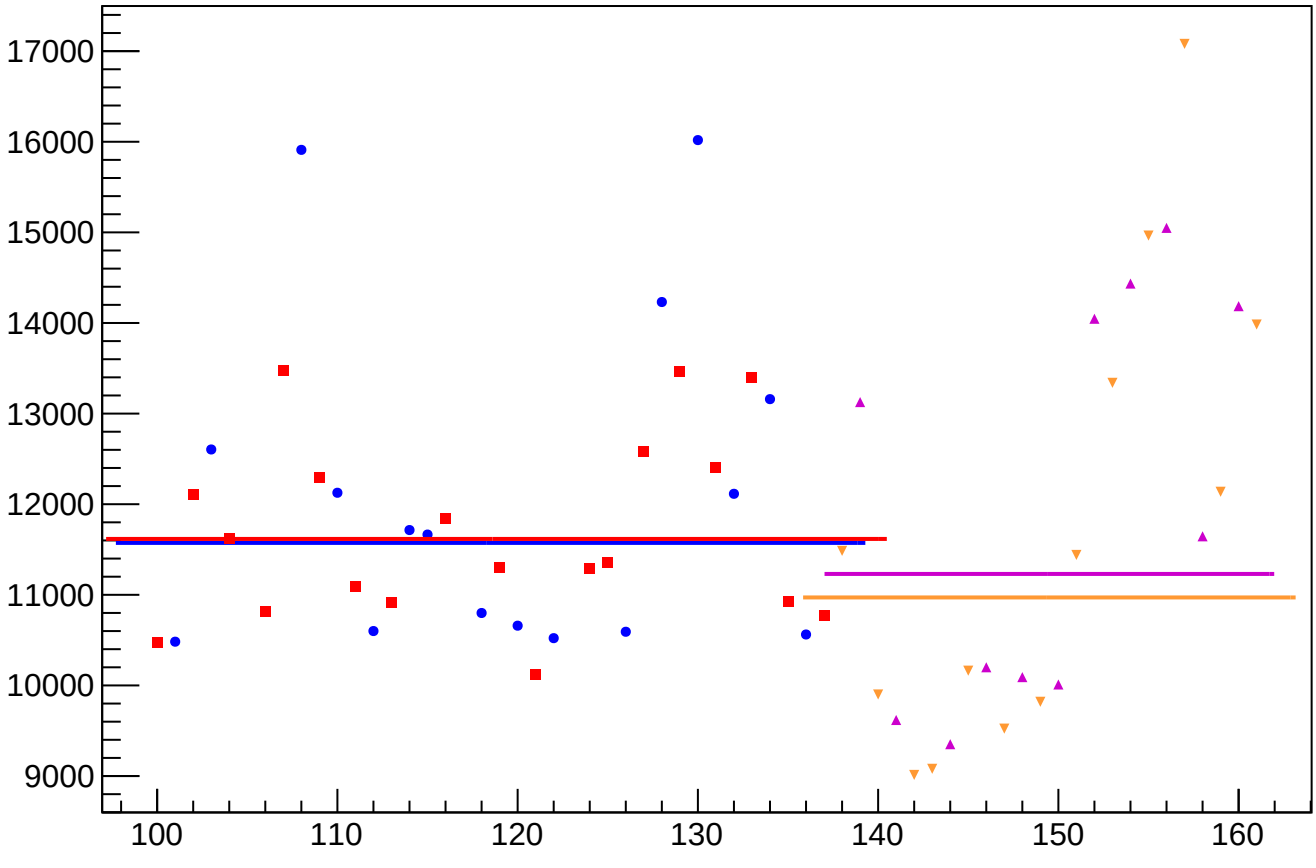
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5530.683+/-1.038 χ^2/NDF:4463469.4/26

Out: 5635.227+/-1.029 χ^2/NDF:4317607.8/31

All: 5583.424+/-0.731 χ^2/NDF: 8786192.3/58


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: -0.955+/-3.485 χ²/NDF:22.2/12
Right Out: 0.600+/-4.266 χ²/NDF: 17.9/18
Left In: 2.678+/-3.696 χ²/NDF:4.7/10
Left: 0.754+/-2.536 χ²/NDF: 27.5/23
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -0.371+/-2.818 χ²/NDF:22.1/26
Out: -0.333+/-2.699 χ²/NDF:40.2/31
All: -0.351+/-1.949 χ²/NDF: 62.3/58



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10970.989+/-2.464 χ^2/NDF:676051.9/12

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11230.450+/-2.614 χ^2/NDF:557703.6/10

Left: 11093.069+/-1.793 χ^2/NDF: 1238973.0/23

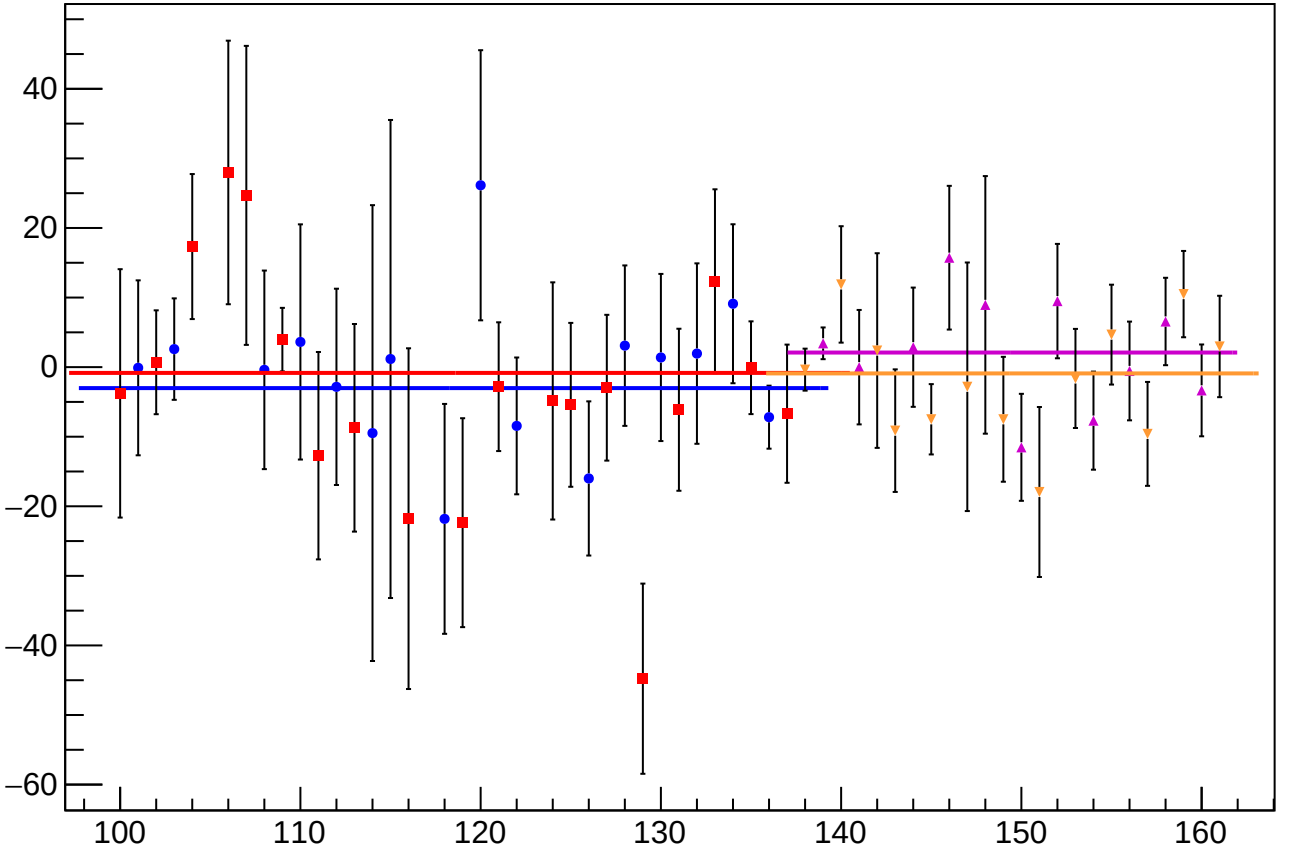
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11373.934+/-1.993 χ^2/NDF:824966.4/26

Out: 11229.385+/-1.908 χ^2/NDF:796704.0/31

All: 11298.536+/-1.378 χ^2/NDF: 1624415.2/5

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.903+/-1.810 χ^2/NDF:13.1/12

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.096+/-1.683 χ^2/NDF:9.5/10

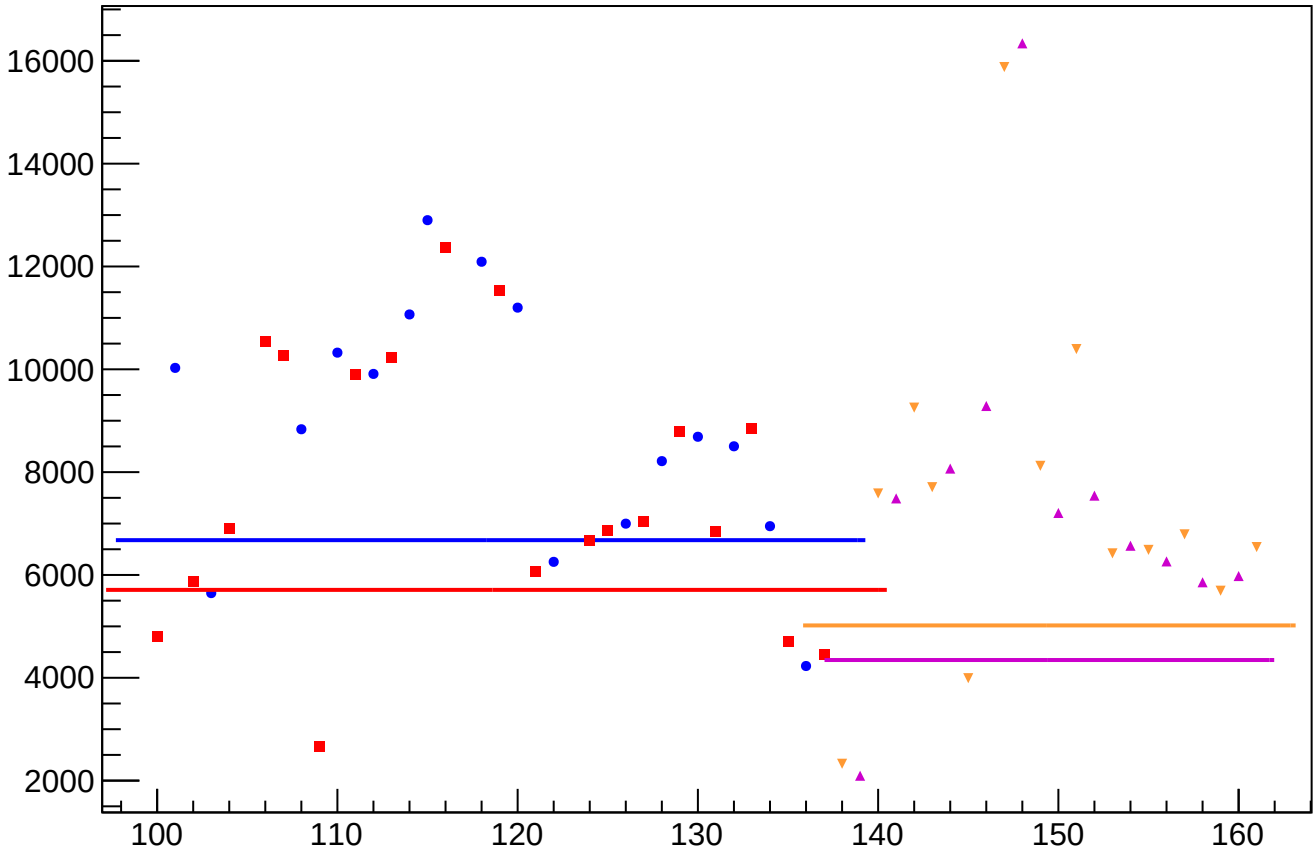
Left: 0.705+/-1.232 χ^2/NDF: 24.1/23

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.631+/-1.421 χ^2/NDF:20.8/26

Out: -0.877+/-1.434 χ^2/NDF:37.0/31

All: -0.116+/-1.010 χ^2/NDF: 58.3/58



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5018.479+/-1.280 χ^2/NDF:3981502.0/12

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4345.652+/-1.190 χ^2/NDF:5078185.6/10

Left: 4657.714+/-0.871 χ^2/NDF: 9207942.7/23

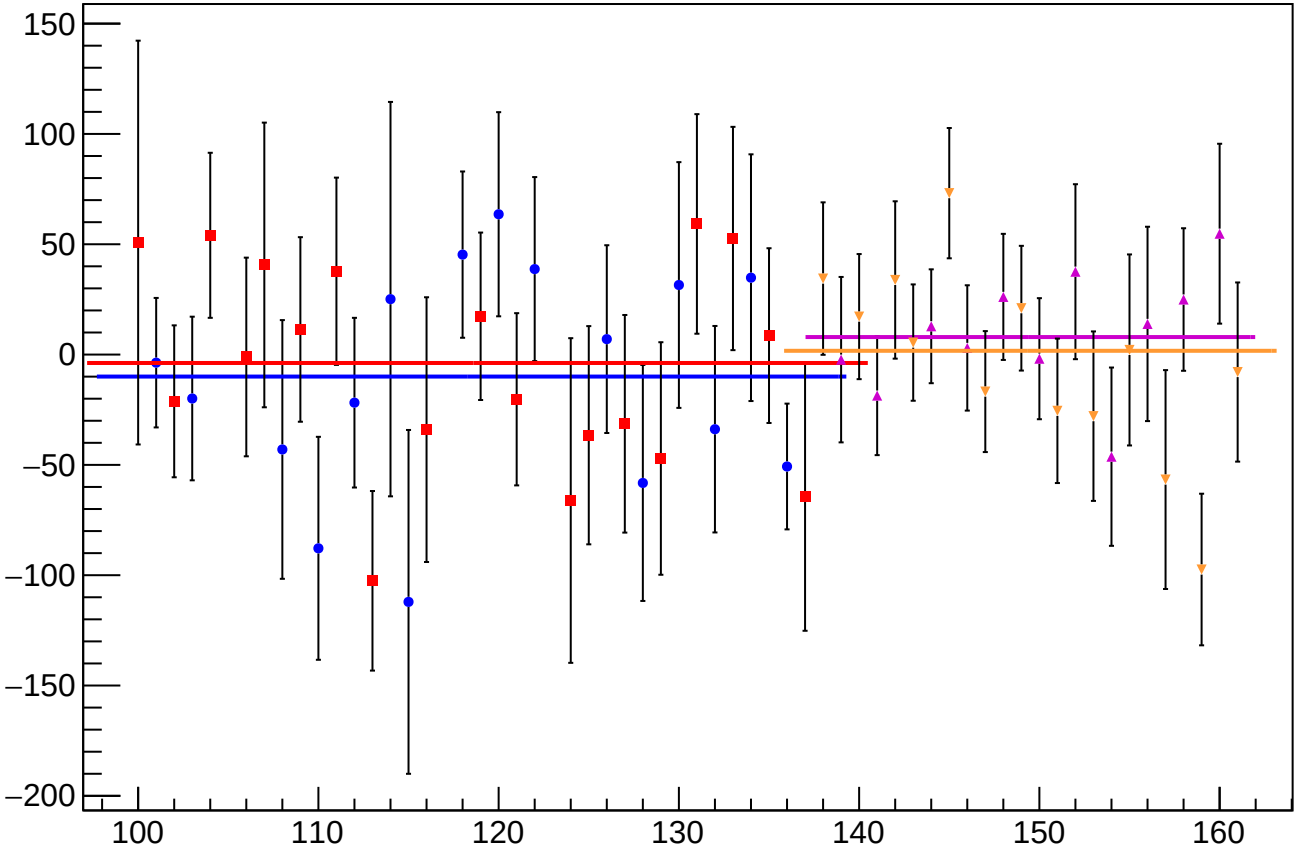
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5014.266+/-1.005 χ^2/NDF:7751659.1/26

Out: 5275.596+/-1.014 χ^2/NDF:6391110.7/31

All: 5143.759+/-0.714 χ^2/NDF: 14176273.4/5

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.936+/-9.666 χ^2/NDF:5.6/10

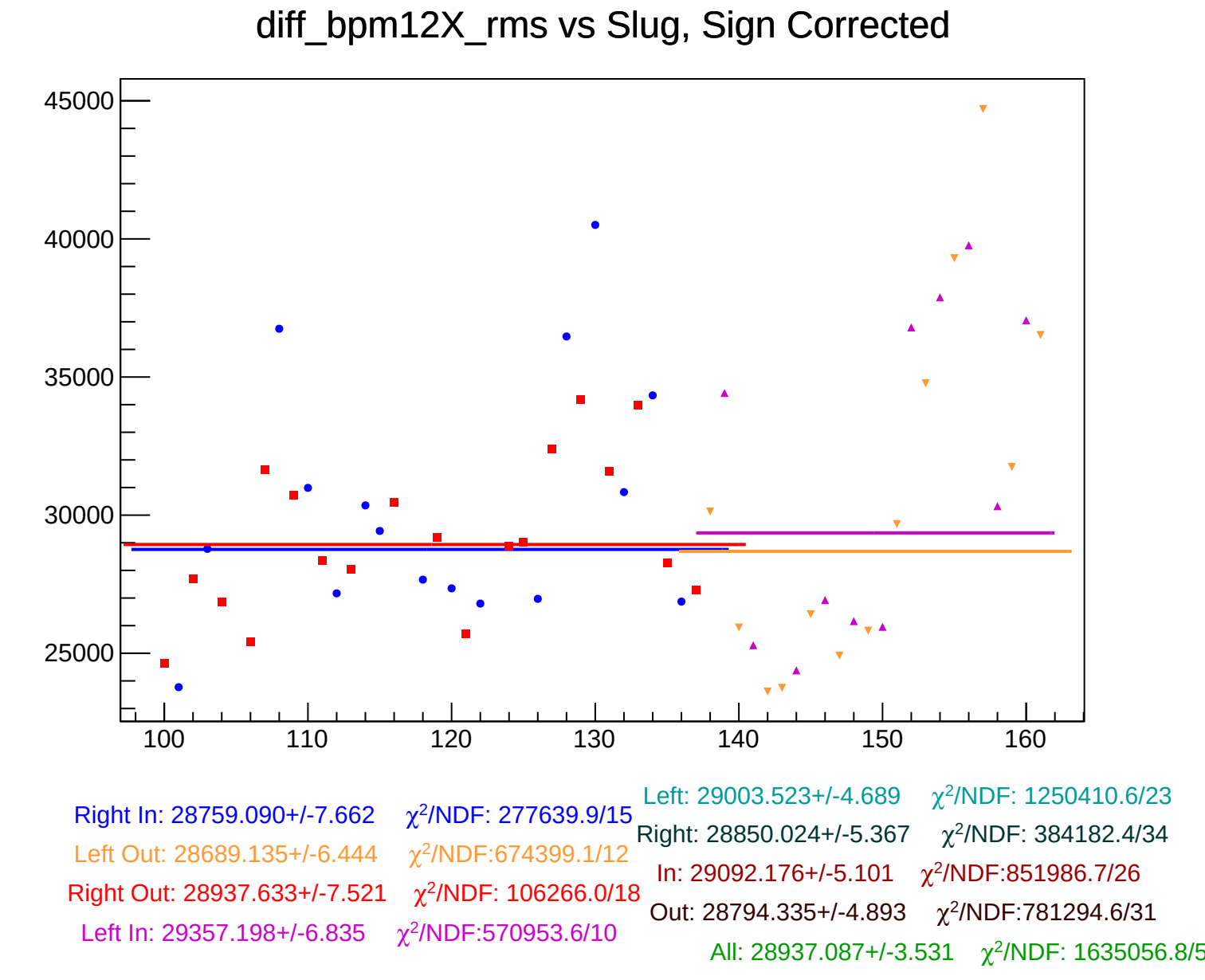
Left: 4.640+/-6.631 χ^2/NDF: 25.7/23

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

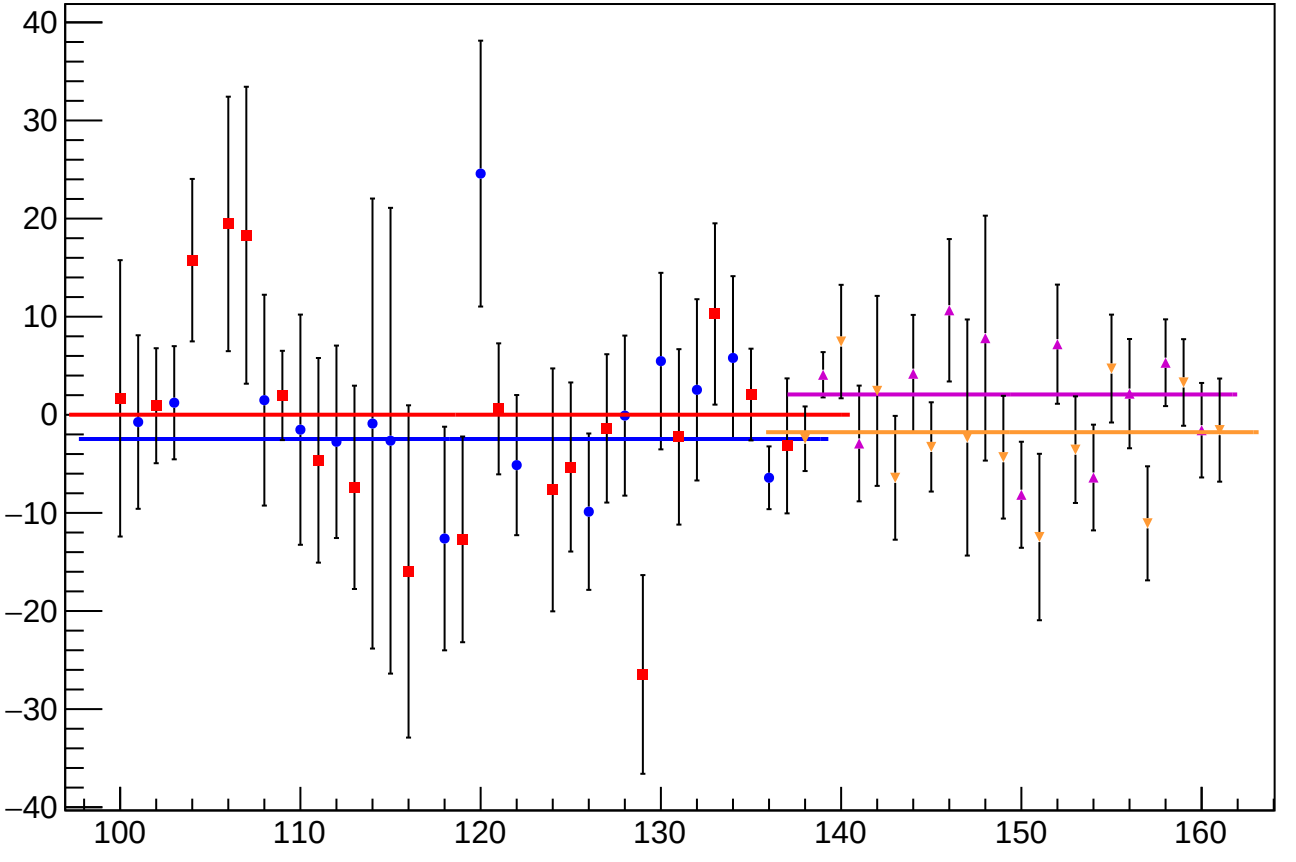
In: 0.002+/-7.213 χ^2/NDF:22.4/26

Out: -0.629+/-6.920 χ^2/NDF:37.3/31

All: -0.326+/-4.994 χ^2/NDF: 59.7/58


diff_bpm12X_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 28689.135+/-6.444 χ²/NDF:674399.1/12
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 29357.198+/-6.835 χ²/NDF:570953.6/10
Left: 29003.523+/-4.689 χ²/NDF: 1250410.6/23
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29092.176+/-5.101 χ²/NDF:851986.7/26
Out: 28794.335+/-4.893 χ²/NDF:781294.6/31
All: 28937.087+/-3.531 χ²/NDF: 1635056.8/5

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.773+/-1.513 χ^2/NDF:10.6/12

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.073+/-1.426 χ^2/NDF:11.1/10

Left: 0.264+/-1.038 χ^2/NDF: 25.1/23

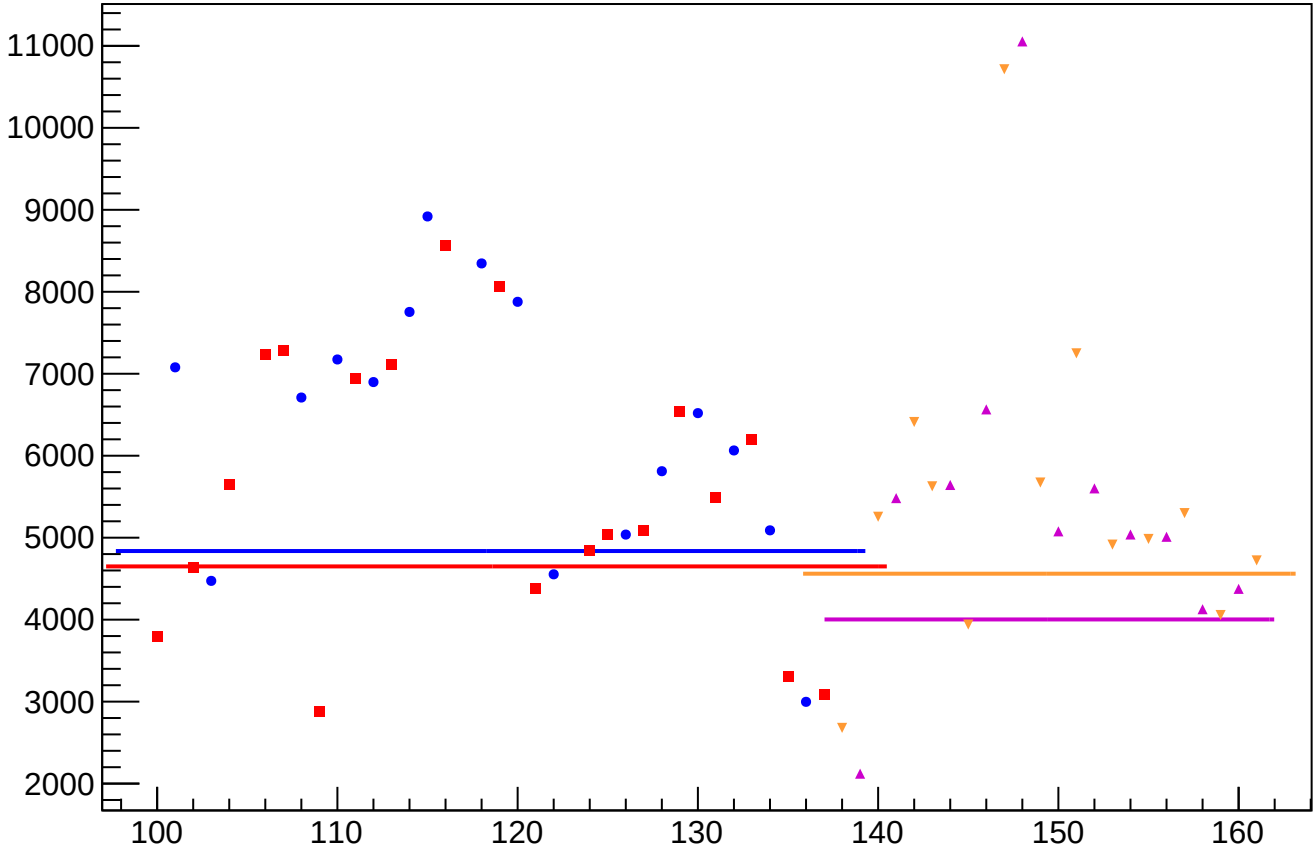
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.454+/-1.144 χ^2/NDF:24.7/26

Out: -1.048+/-1.166 χ^2/NDF:31.1/31

All: -0.283+/-0.816 χ^2/NDF: 56.7/58

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4560.682+/-1.070 χ^2/NDF:1716821.1/12

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4002.518+/-1.008 χ^2/NDF:2862420.4/10

Left: 4265.020+/-0.734 χ^2/NDF: 4723361.9/23

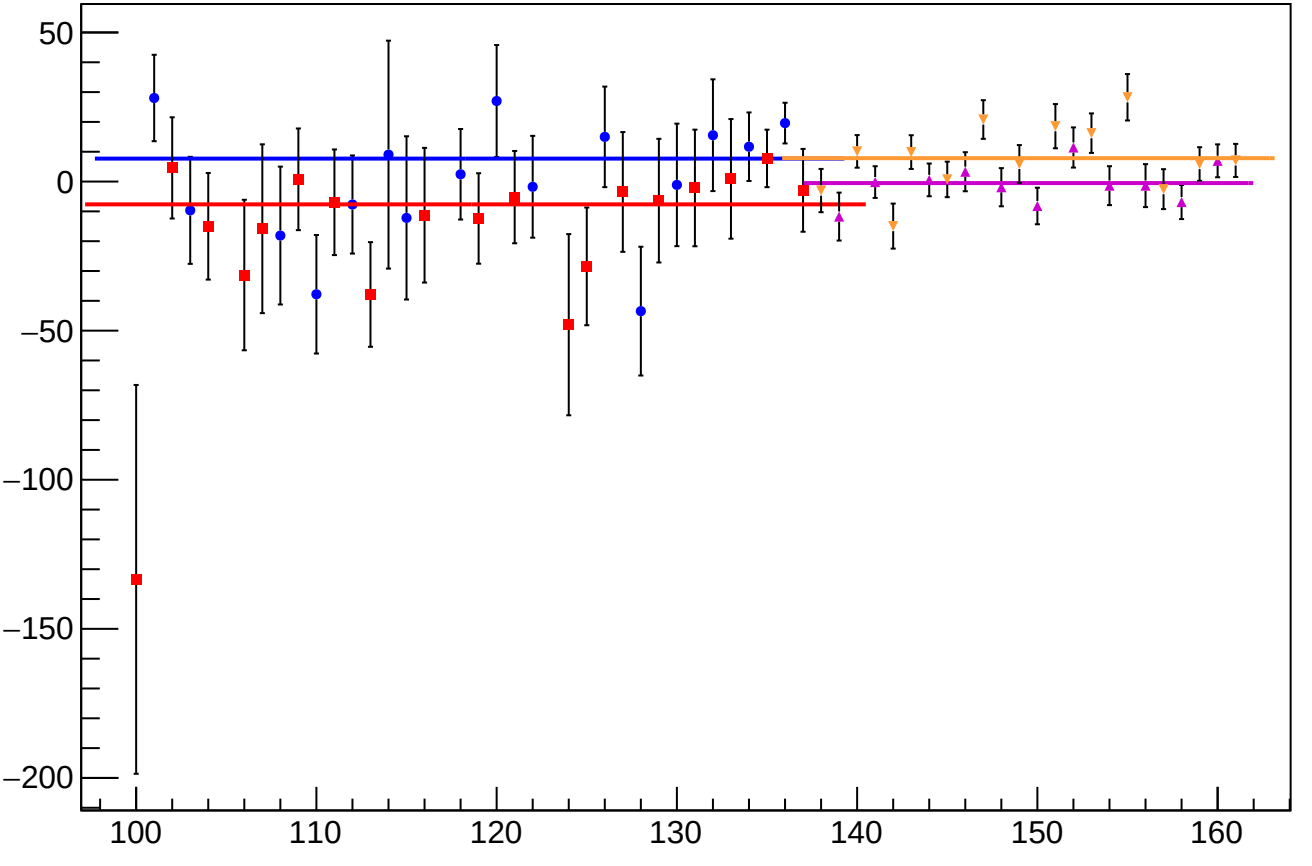
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4300.100+/-0.809 χ^2/NDF:4654500.6/26

Out: 4596.843+/-0.824 χ^2/NDF:3154178.1/31

All: 4445.658+/-0.577 χ^2/NDF: 7874705.4/58

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.840+/-1.763 χ^2/NDF:30.3/12

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.507+/-1.868 χ^2/NDF:10.2/10

Left: 3.908+/-1.282 χ^2/NDF: 51.0/23

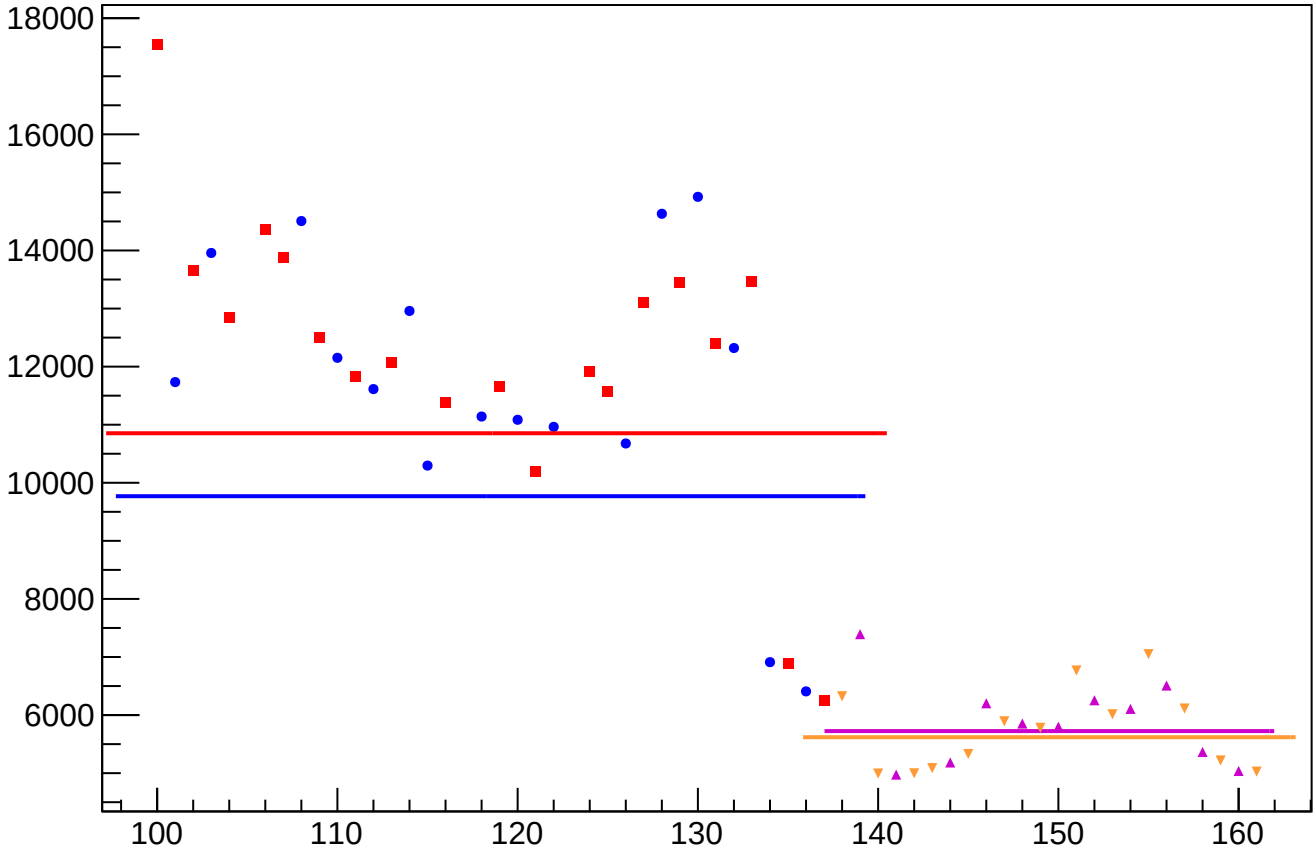
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.076+/-1.678 χ^2/NDF:35.5/26

Out: 5.423+/-1.619 χ^2/NDF:56.9/31

All: 3.327+/-1.165 χ^2/NDF: 95.9/58

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5618.802+/-1.246 χ^2/NDF:252489.0/12

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5724.351+/-1.321 χ^2/NDF:239082.8/10

Left: 5668.522+/-0.906 χ^2/NDF: 494950.4/23

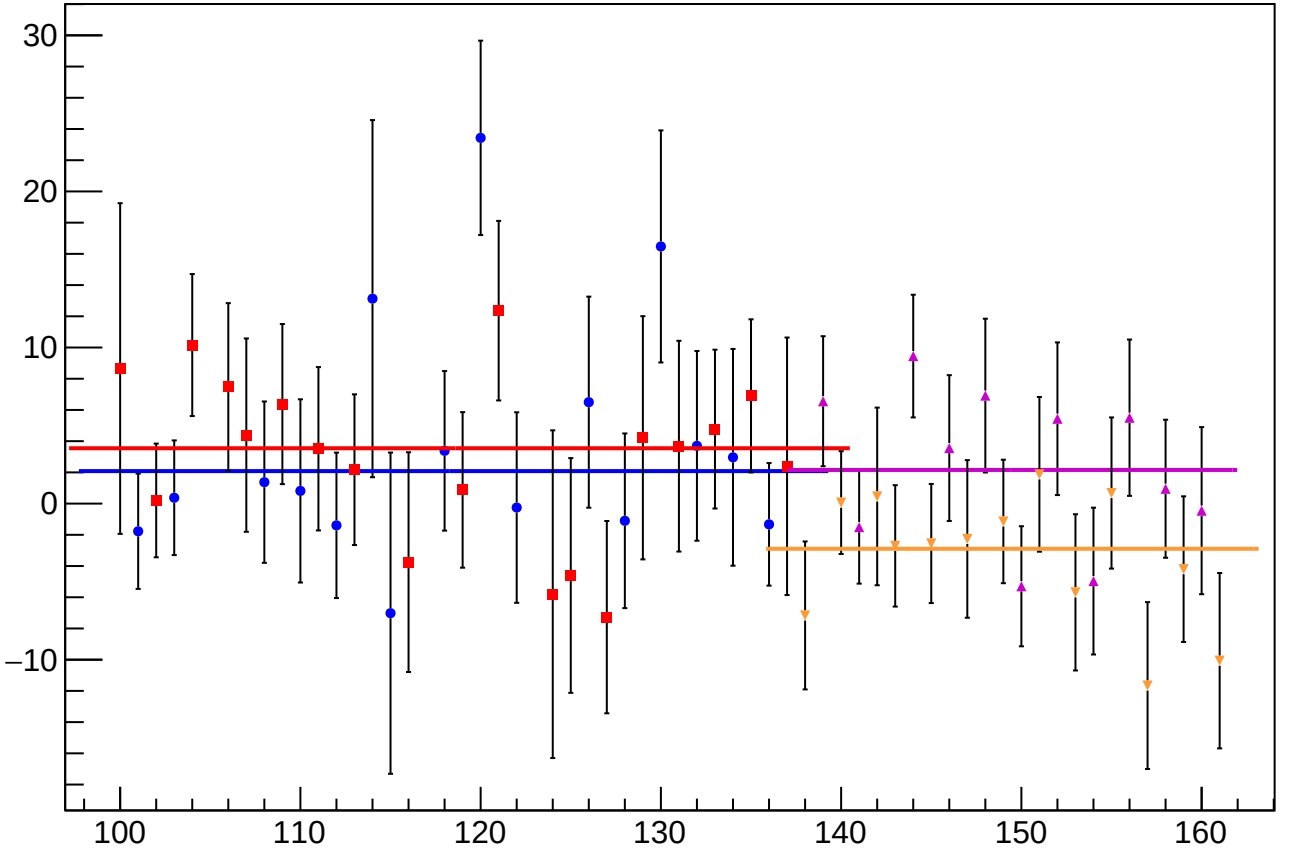
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6504.710+/-1.186 χ^2/NDF:3262326.2/26

Out: 6435.488+/-1.145 χ^2/NDF:3879018.6/31

All: 6468.868+/-0.824 χ^2/NDF: 7143107.4/58

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.894+/-1.248 χ^2/NDF:8.4/12

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.155+/-1.329 χ^2/NDF:13.9/10

Left: -0.527+/-0.910 χ^2/NDF: 29.9/23

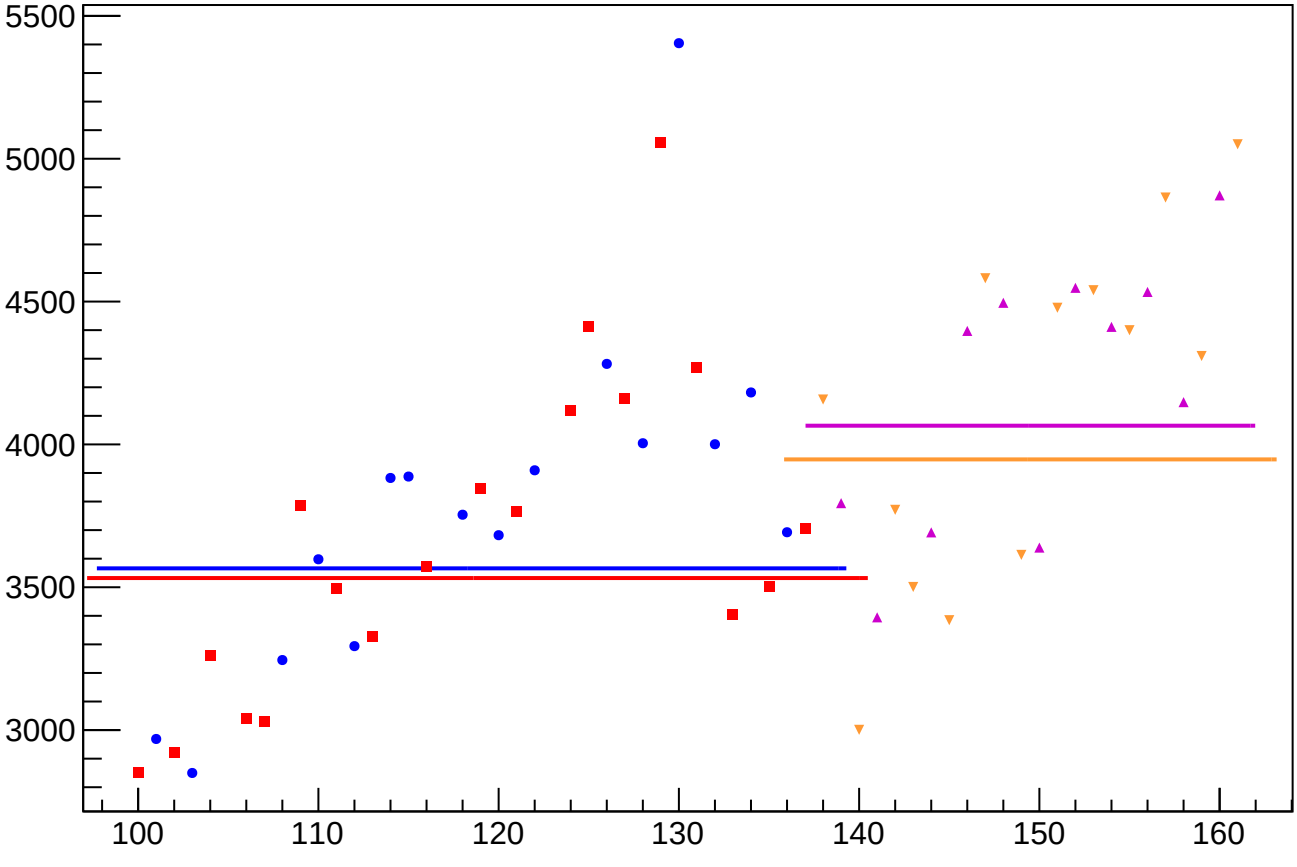
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.119+/-0.945 χ^2/NDF:34.8/26

Out: 0.185+/-0.902 χ^2/NDF:34.5/31

All: 1.107+/-0.653 χ^2/NDF: 71.5/58

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3947.533+/-0.883 χ^2/NDF:503406.7/12

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4065.490+/-0.940 χ^2/NDF:239038.9/10

Left: 4002.835+/-0.643 χ^2/NDF: 750816.2/23

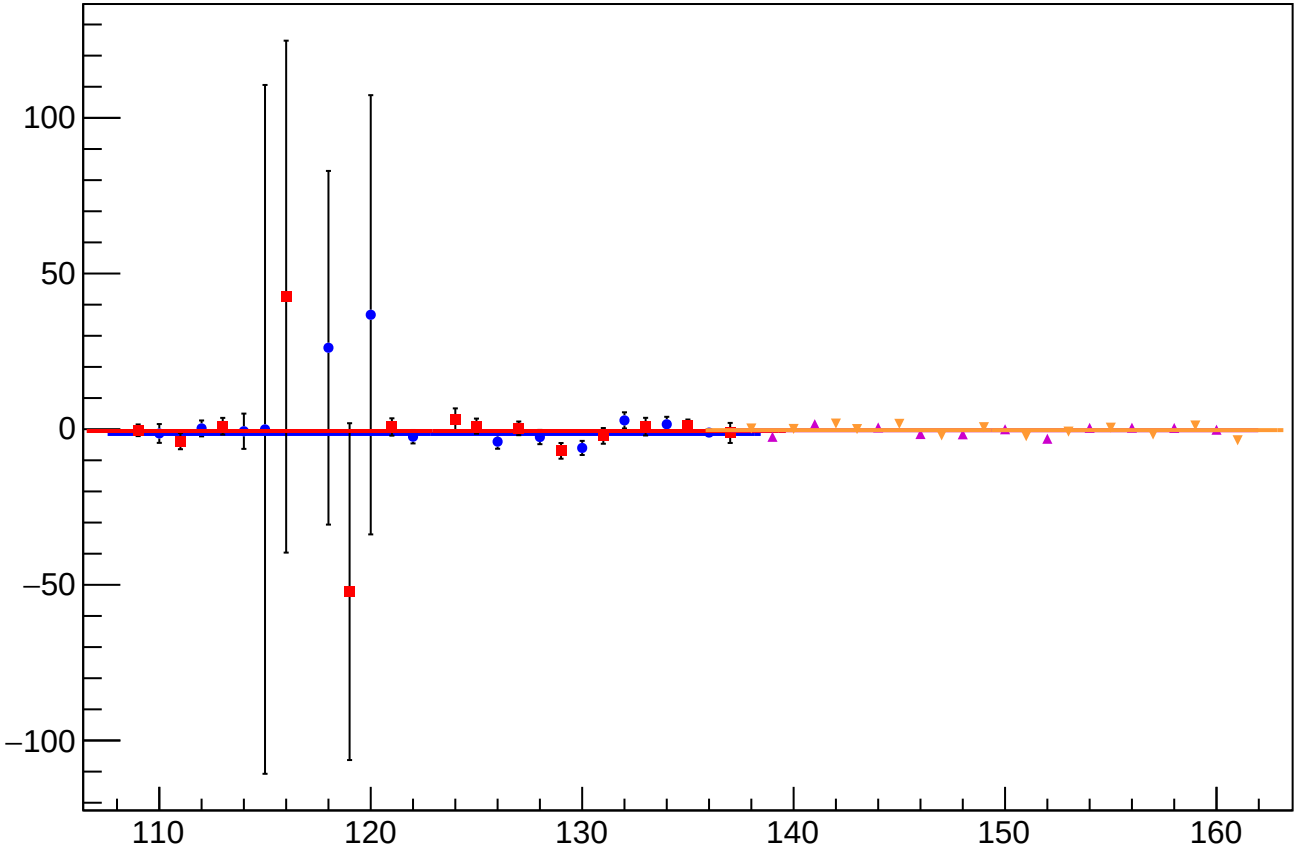
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3818.894+/-0.669 χ^2/NDF:719607.9/26

Out: 3748.926+/-0.638 χ^2/NDF:887951.3/31

All: 3782.261+/-0.461 χ^2/NDF: 1613294.6/58

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.308+/-0.316 χ^2/NDF:23.6/12

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.344+/-0.327 χ^2/NDF:18.0/10

Left: -0.325+/-0.227 χ^2/NDF: 41.6/23

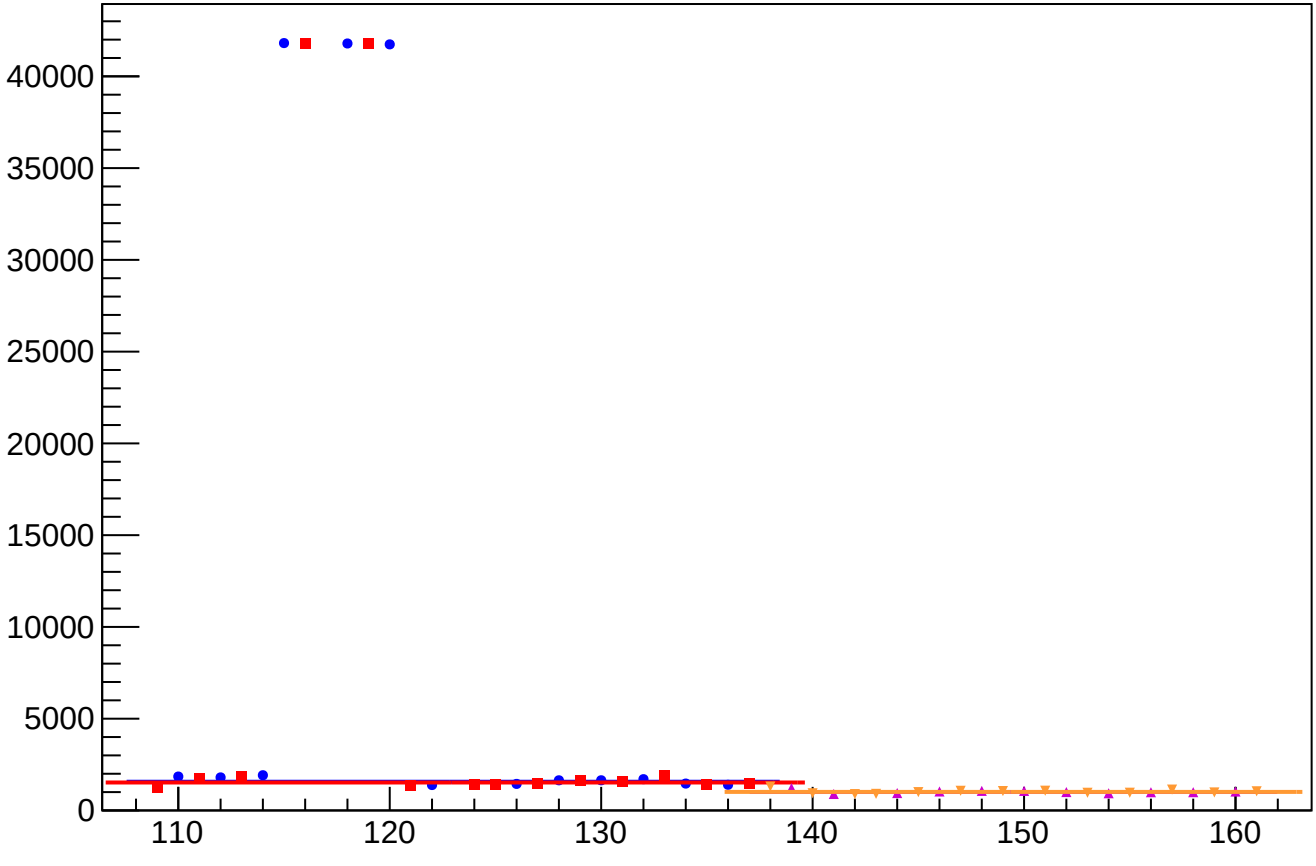
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.542+/-0.299 χ^2/NDF:31.3/23

Out: -0.353+/-0.289 χ^2/NDF:36.4/26

All: -0.445+/-0.208 χ^2/NDF: 67.9/50

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1010.836+/-0.224 χ^2/NDF:171663.2/12

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1005.254+/-0.231 χ^2/NDF:105397.1/10

Left: 1008.138+/-0.161 χ^2/NDF: 277361.7/23

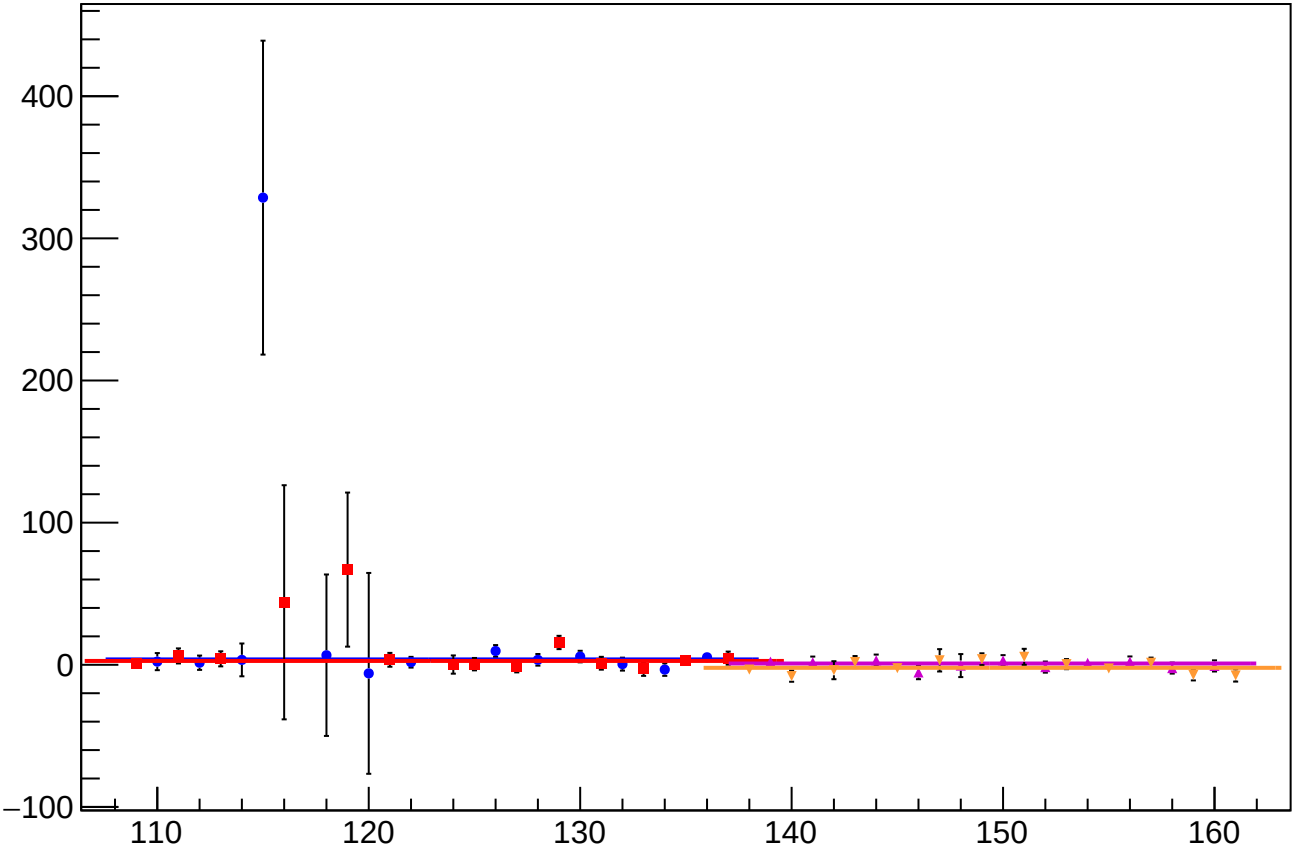
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1098.061+/-0.211 χ^2/NDF:3093411.2/23

Out: 1094.275+/-0.205 χ^2/NDF:2767814.0/26

All: 1096.108+/-0.147 χ^2/NDF: 5861391.1/50

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.134+/-1.046 χ^2/NDF:12.6/12

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.898+/-1.095 χ^2/NDF:4.3/10

Left: -0.687+/-0.756 χ^2/NDF: 20.9/23

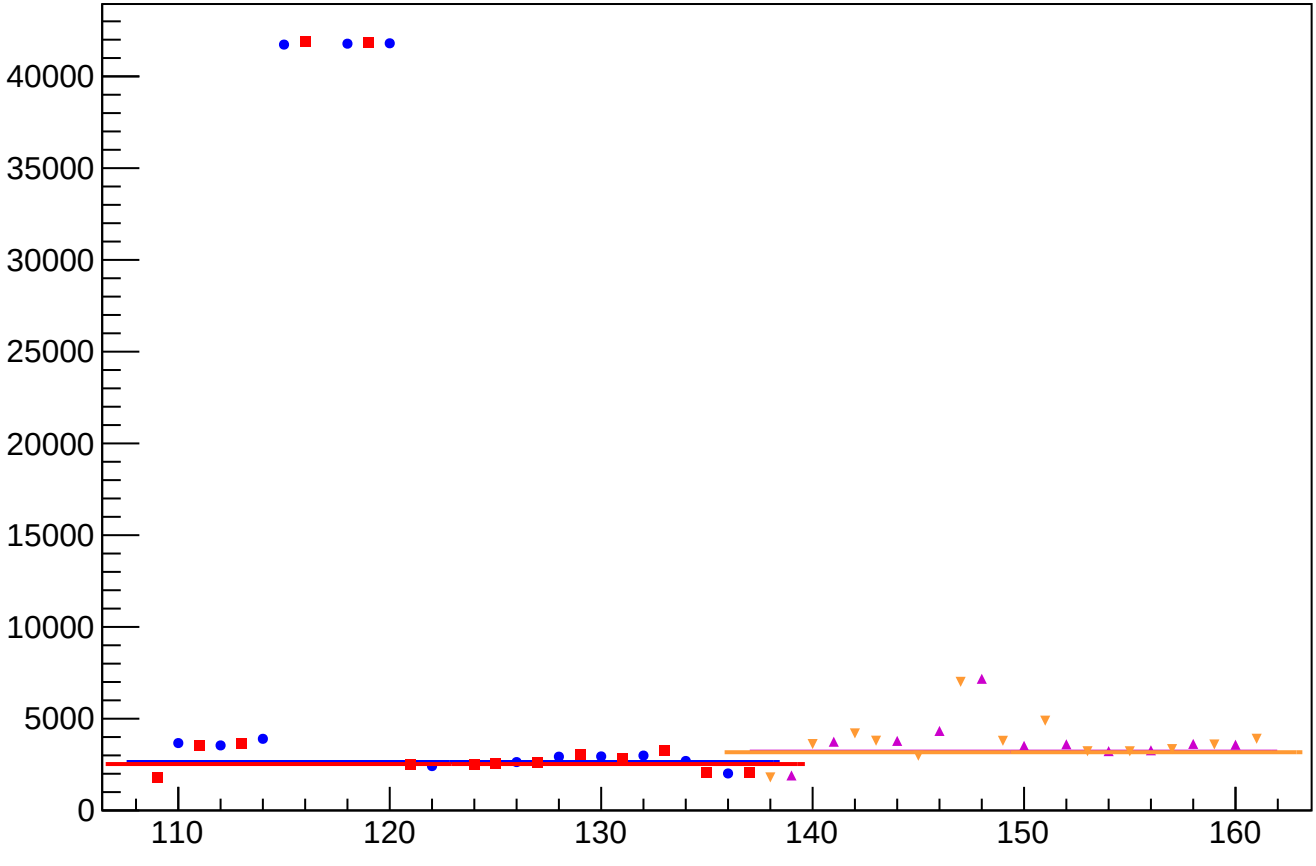
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.149+/-0.823 χ^2/NDF:22.5/23

Out: -0.065+/-0.791 χ^2/NDF:35.4/26

All: 0.999+/-0.570 χ^2/NDF: 61.6/50

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3172.864+/-0.739 χ^2/NDF:1777589.2/12

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3204.006+/-0.774 χ^2/NDF:1502391.1/10

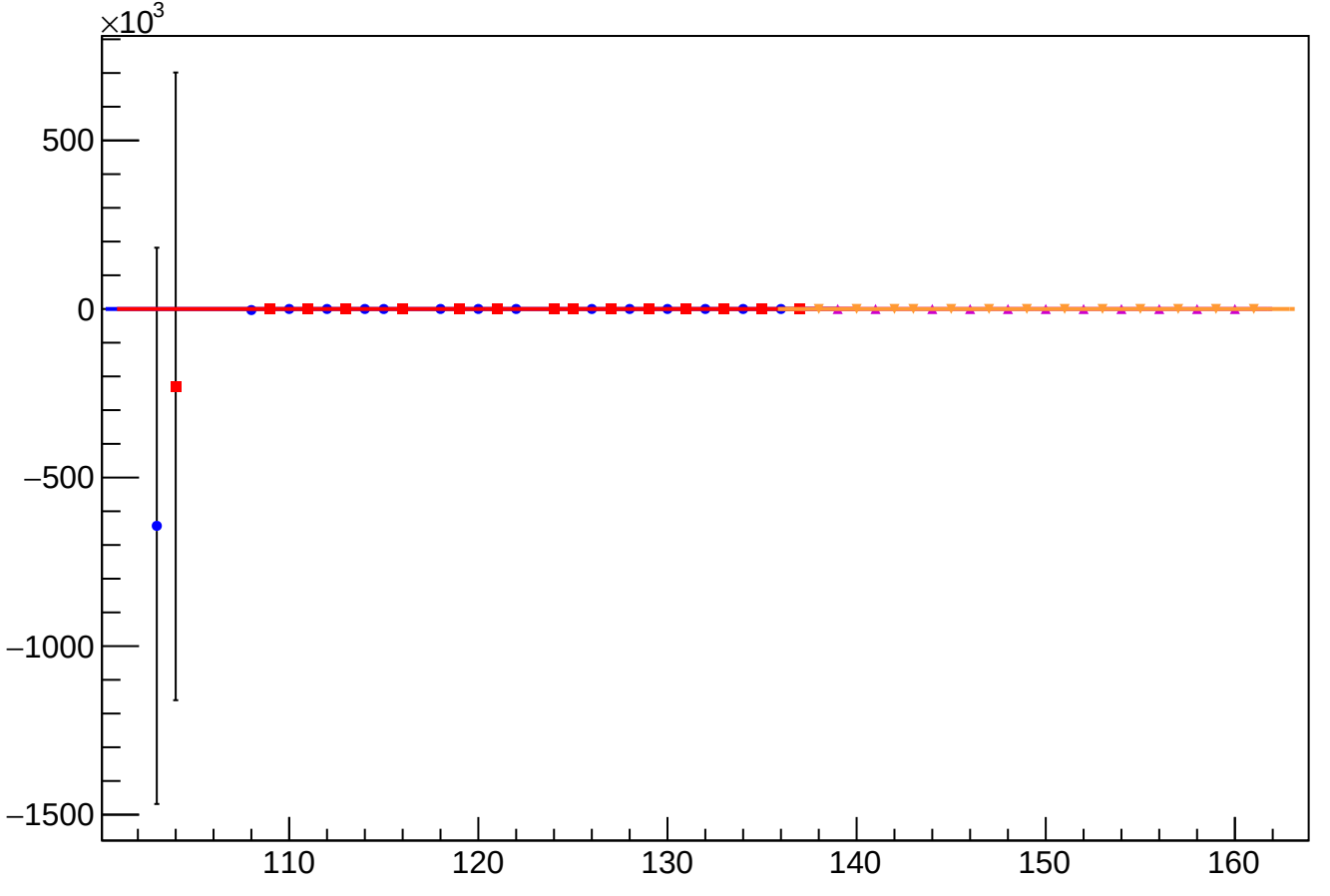
Left: 3187.721+/-0.535 χ^2/NDF: 3280826.5/23

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2958.772+/-0.582 χ^2/NDF:3906596.7/23

Out: 2897.835+/-0.560 χ^2/NDF:4051400.2/26

All: 2927.108+/-0.403 χ^2/NDF: 7963692.7/50



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.033+/-0.491 χ^2/NDF:26.1/12

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.042+/-0.516 χ^2/NDF:14.0/10

Left: -1.048+/-0.356 χ^2/NDF: 48.5/23

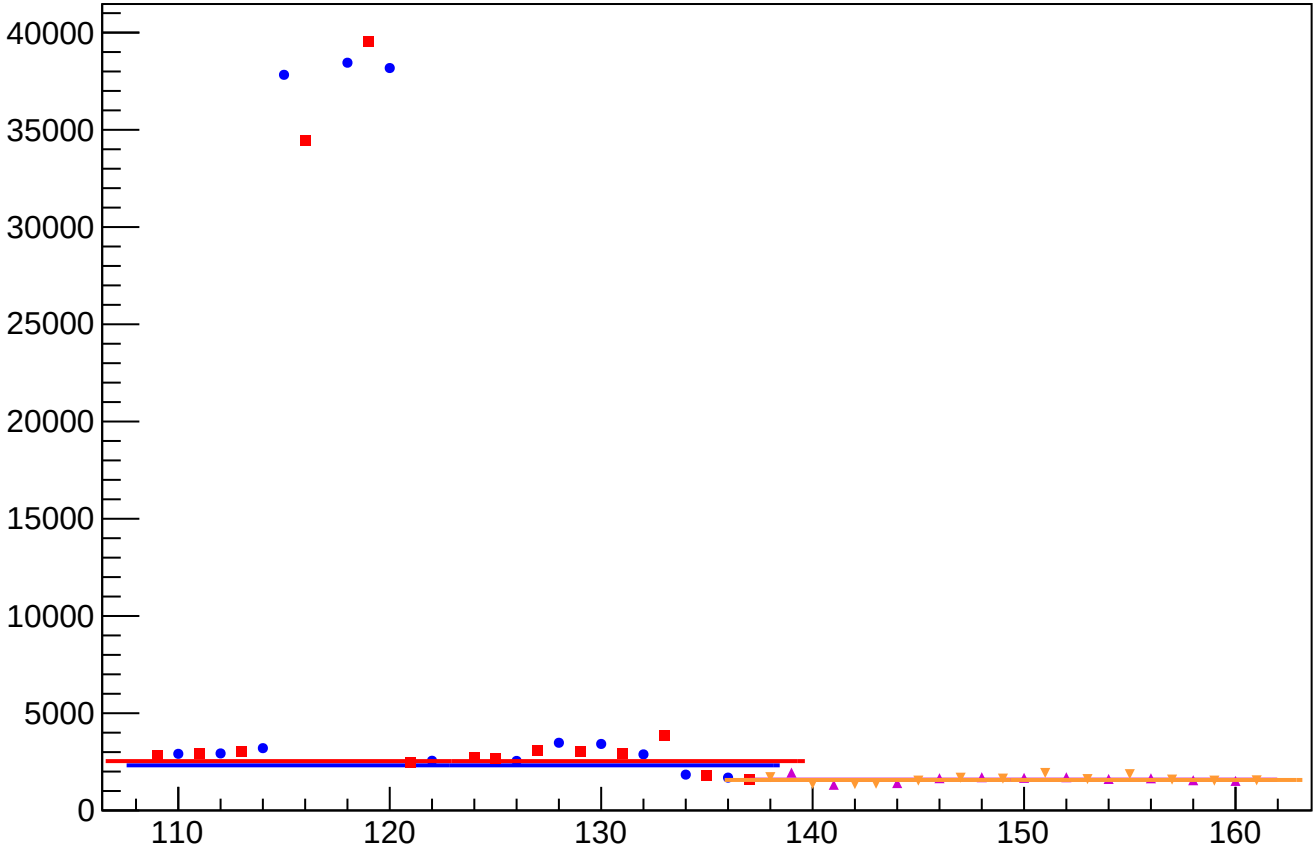
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.177+/-0.469 χ^2/NDF:33.8/25

Out: -1.369+/-0.455 χ^2/NDF:53.5/27

All: -0.791+/-0.327 χ^2/NDF: 90.6/53

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1568.339+/-0.347 χ^2/NDF:217759.2/12

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.816+/-0.365 χ^2/NDF:190520.5/10

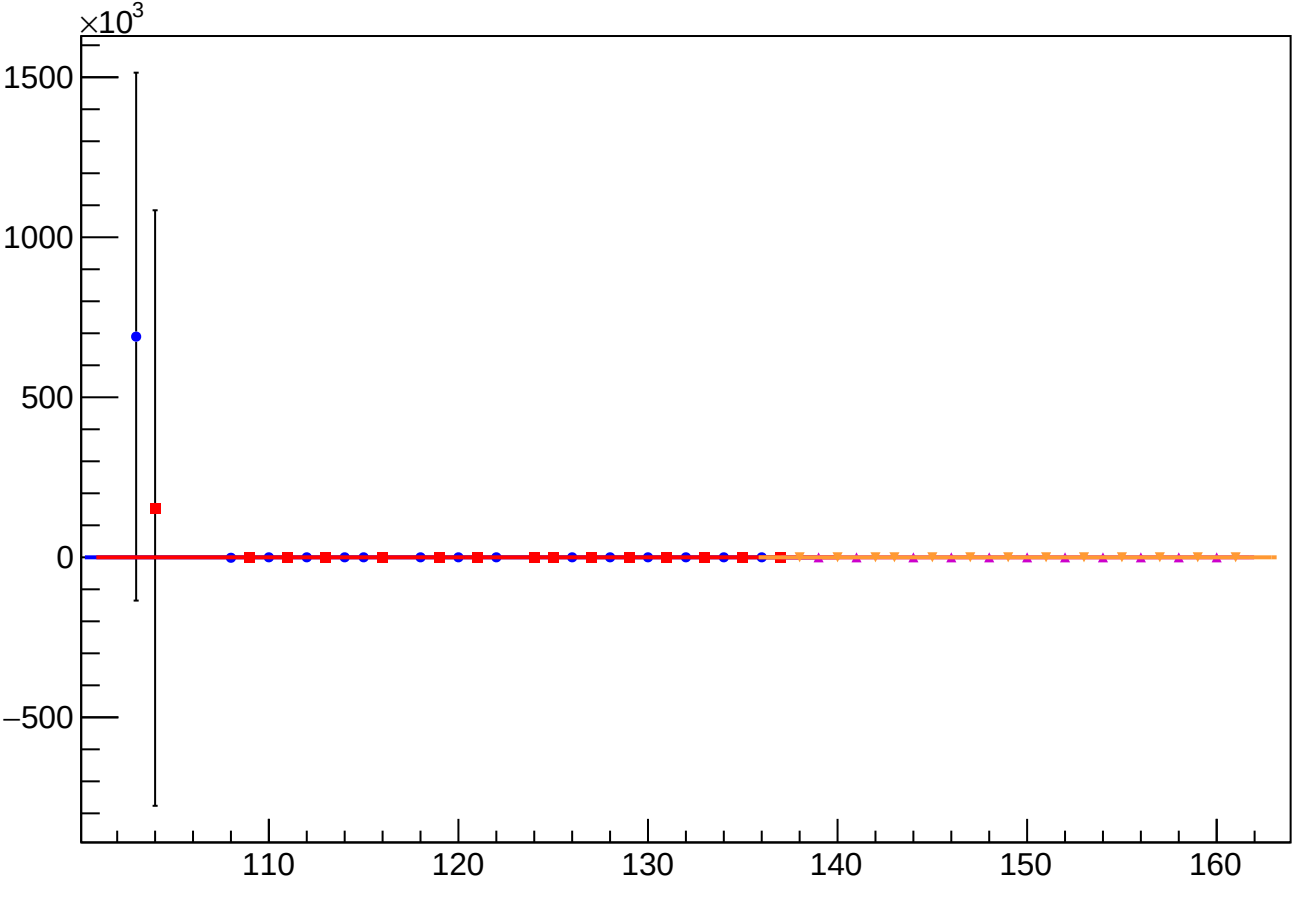
Left: 1575.689+/-0.252 χ^2/NDF: 409223.2/23

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1711.953+/-0.332 χ^2/NDF:3359942.1/23

Out: 1705.205+/-0.322 χ^2/NDF:3356015.3/26

All: 1708.475+/-0.231 χ^2/NDF: 6716170.5/50



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.954+/-0.670 χ^2/NDF:17.0/12

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.067+/-0.661 χ^2/NDF:4.0/10

Left: -0.504+/-0.471 χ^2/NDF: 21.9/23

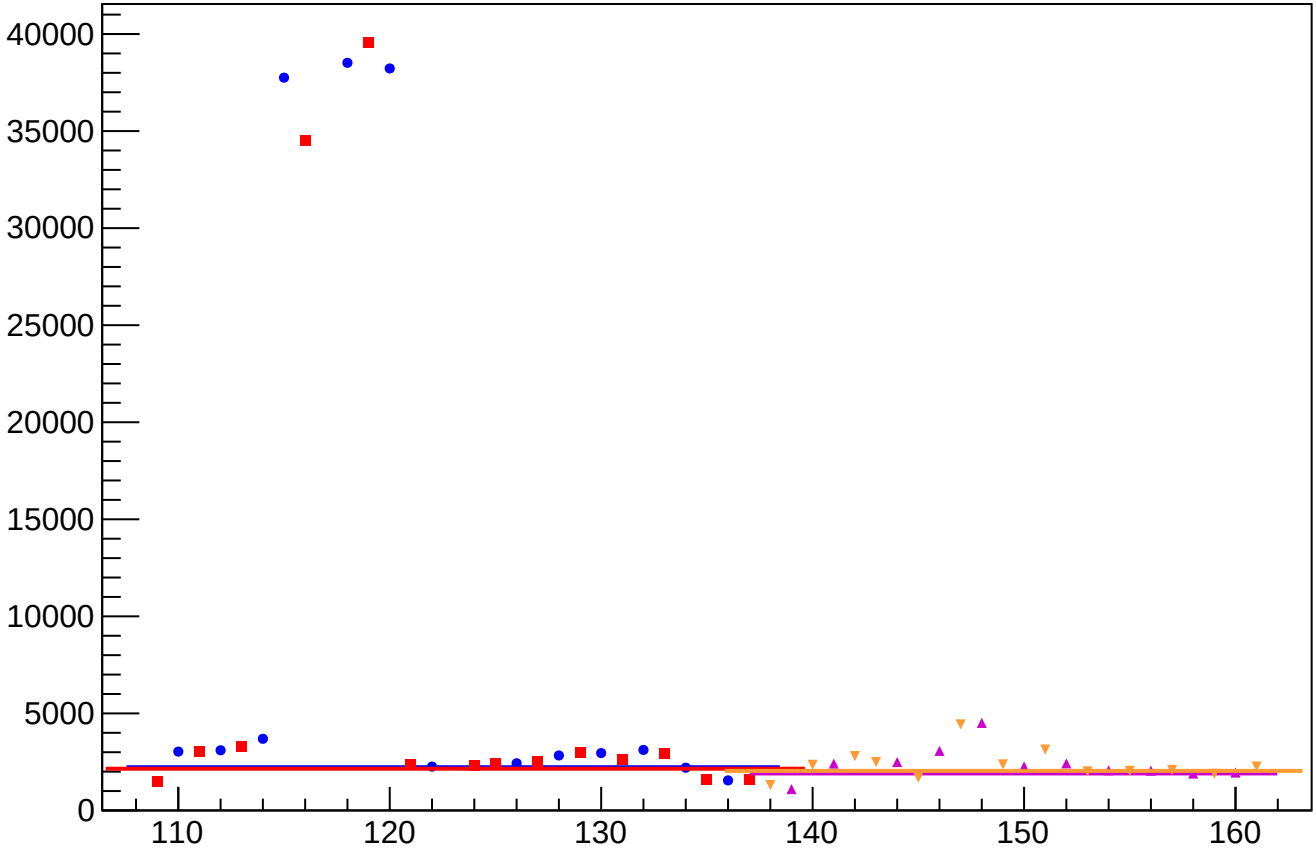
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.419+/-0.563 χ^2/NDF:11.0/25

Out: -0.131+/-0.565 χ^2/NDF:37.6/27

All: 0.145+/-0.399 χ^2/NDF: 49.0/53

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2038.454+/-0.474 χ^2/NDF:1335836.9/12

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1906.957+/-0.467 χ^2/NDF:1993160.3/10

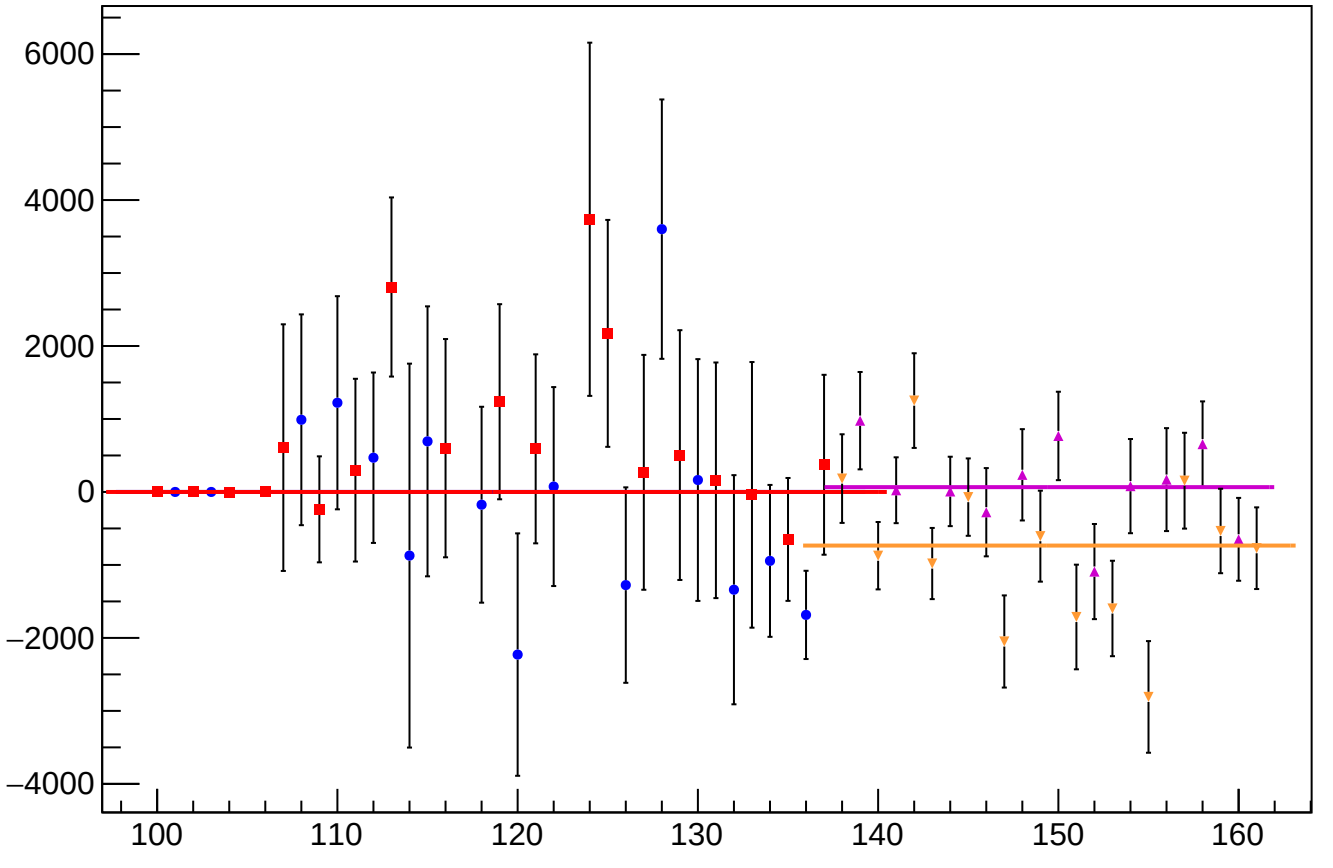
Left: 1971.807+/-0.333 χ^2/NDF: 3368018.1/23

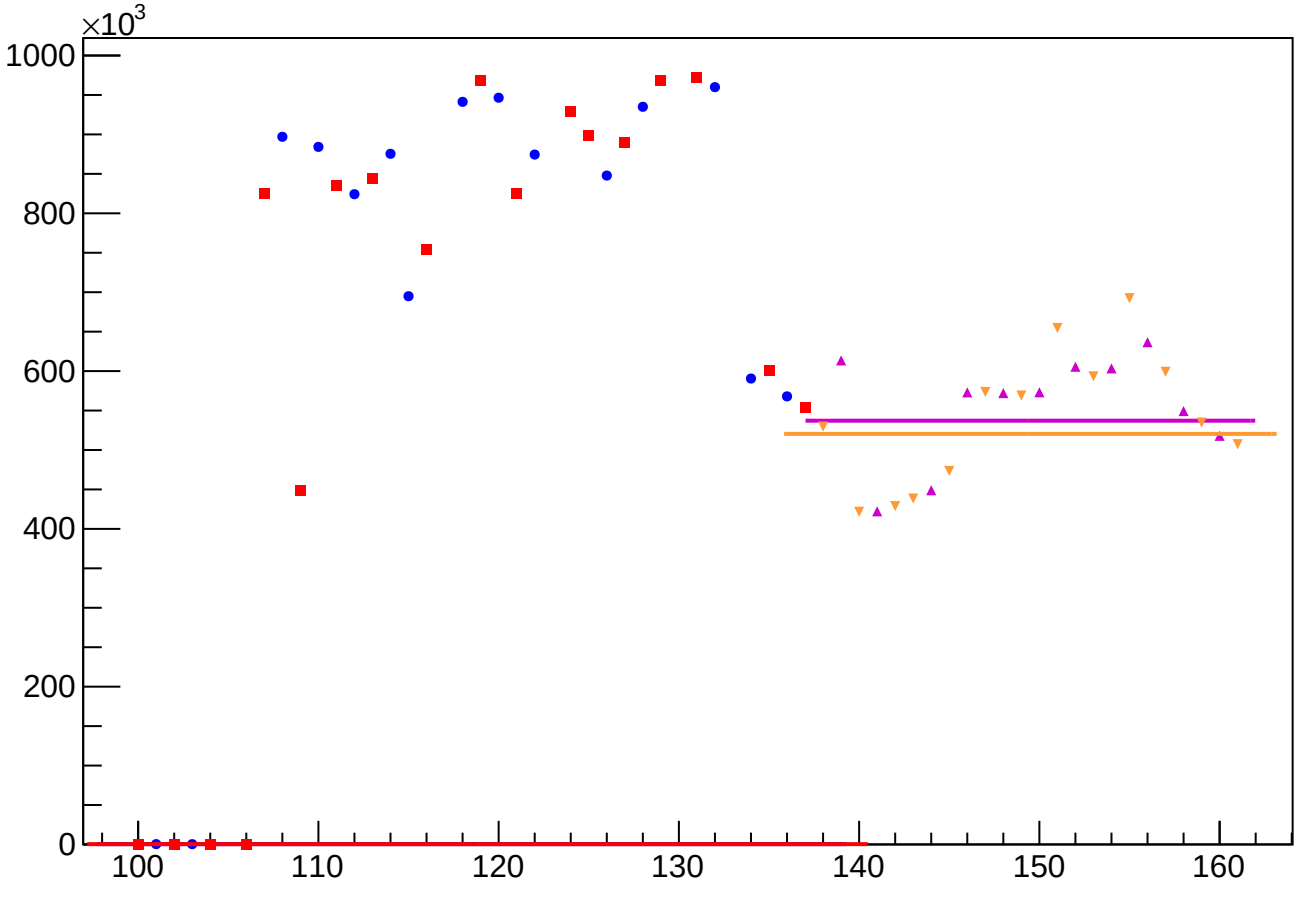
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1994.606+/-0.398 χ^2/NDF:4643782.9/23

Out: 2070.913+/-0.400 χ^2/NDF:3583400.9/26

All: 2032.633+/-0.282 χ^2/NDF: 8245470.6/50


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -734.548+/-164.142 χ²/NDF:30.9/12
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 66.007+/-175.735 χ²/NDF:9.4/10
Left: -361.545+/-119.955 χ²/NDF: 51.3/23
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:27.3/26
Out: -0.099+/-0.328 χ²/NDF:66.3/31
All: 0.064+/-0.241 χ²/NDF: 94.1/58



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 520416.289+/-116.066 χ^2/NDF:457448.9/12

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 537136.917+/-124.264 χ^2/NDF:331085.3/10

Left: 528206.934+/-84.821 χ^2/NDF: 798204.0/23

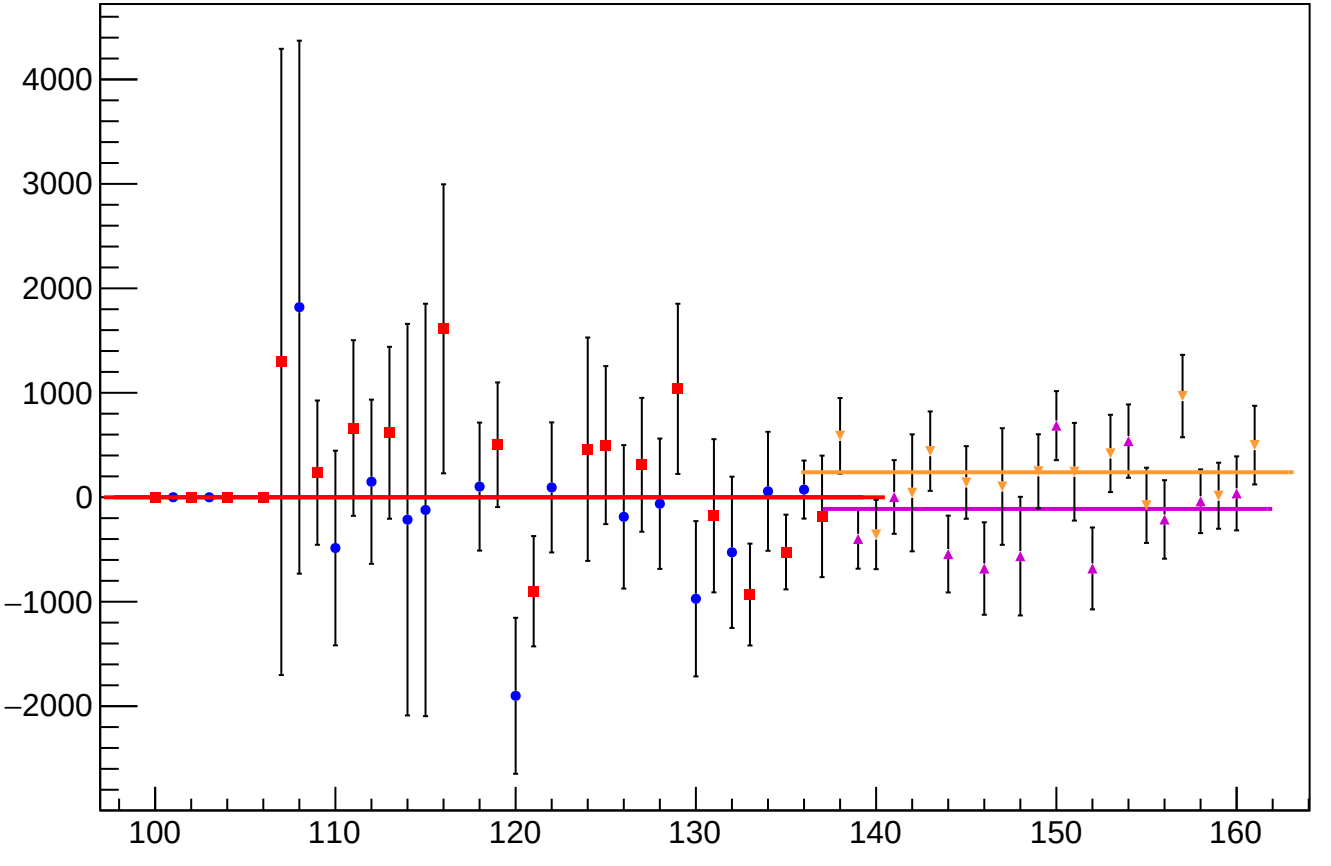
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.079+/-0.251 χ^2/NDF:27479625.5/25

Out: 395.314+/-0.232 χ^2/NDF:28179971.3/30

All: 397.962+/-0.170 χ^2/NDF: 55659881.0/56

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 239.475+/-105.786 χ^2/NDF:10.1/12

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -111.634+/-108.118 χ^2/NDF:16.5/10

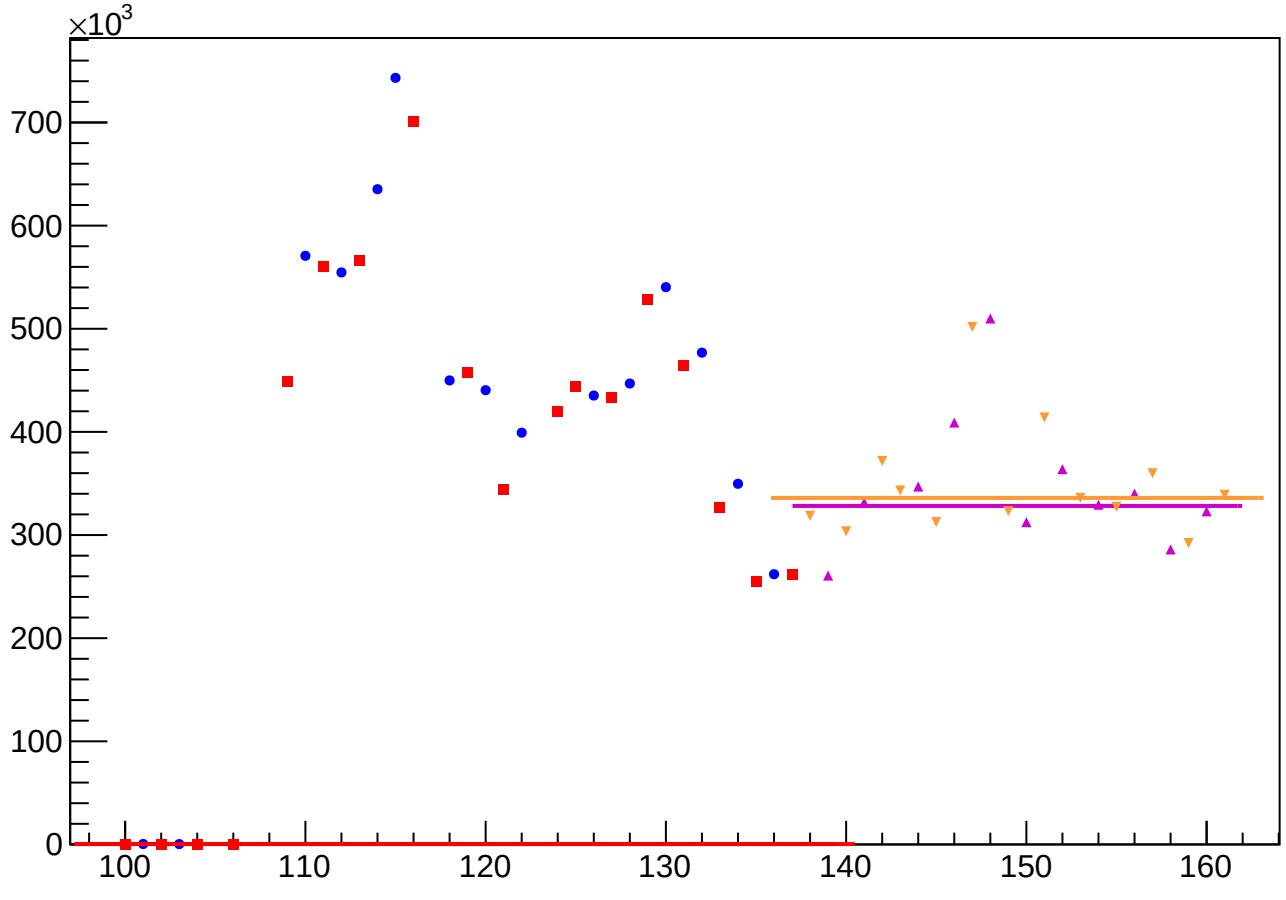
Left: 67.749+/-75.613 χ^2/NDF: 32.0/23

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:28.0/26

Out: -0.596+/-0.324 χ^2/NDF:30.3/31

All: -0.329+/-0.237 χ^2/NDF: 59.7/58



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 336001.447+/-74.802 χ^2/NDF:323431.7/12

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 328207.831+/-76.458 χ^2/NDF:450809.5/10

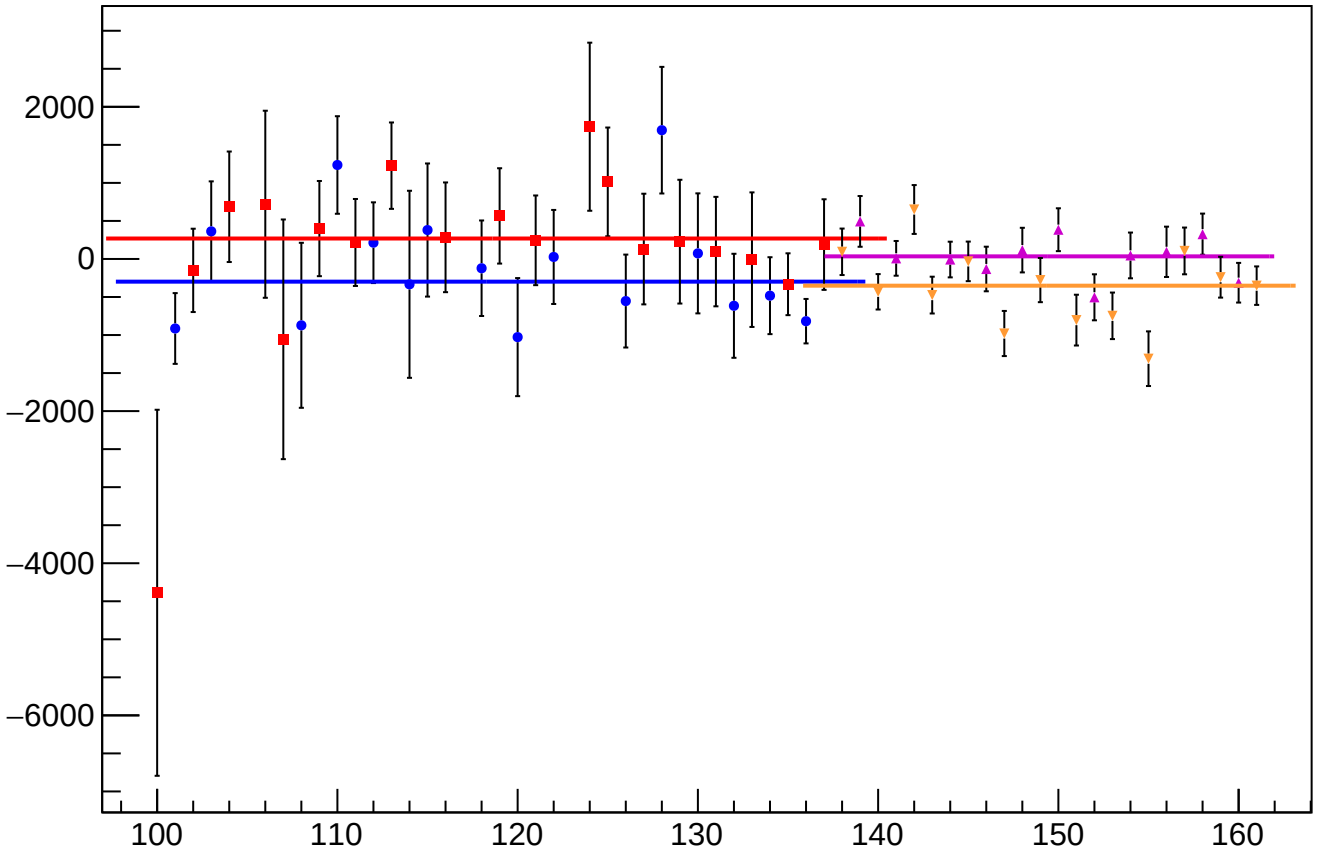
Left: 332189.965+/-53.469 χ^2/NDF: 779550.1/23

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 393.654+/-0.245 χ^2/NDF:29965866.8/25

Out: 391.129+/-0.229 χ^2/NDF:31527968.3/30

All: 392.304+/-0.167 χ^2/NDF: 61493891.7/56



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -351.257+/-78.700 χ^2/NDF:31.3/12

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 34.249+/-83.998 χ^2/NDF:10.0/10

Left: -171.044+/-57.431 χ^2/NDF: 52.6/23

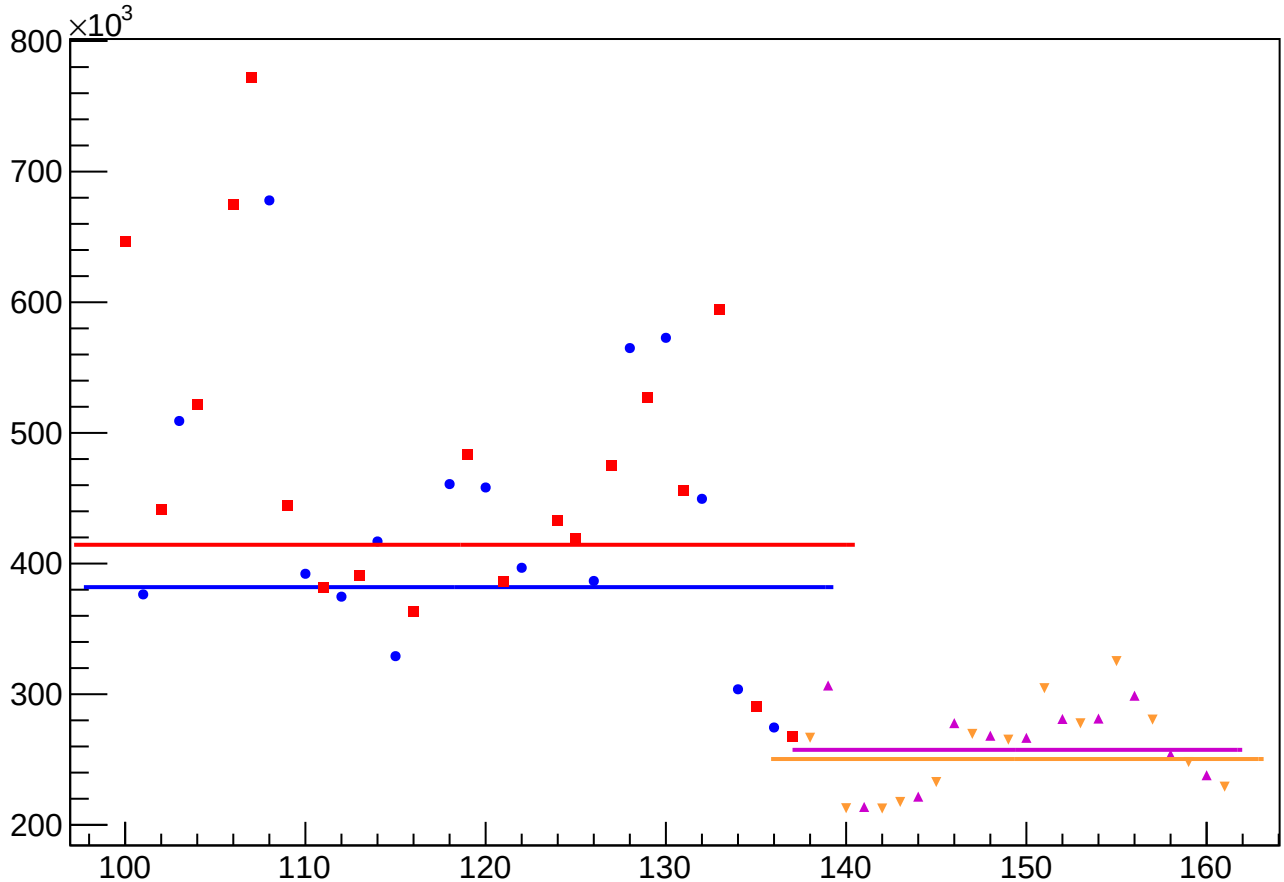
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -47.290+/-72.976 χ^2/NDF:35.0/26

Out: -226.190+/-70.318 χ^2/NDF:57.7/31

All: -140.057+/-50.636 χ^2/NDF: 95.9/58

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 250402.481+/-55.649 χ^2/NDF:334606.5/12

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 257428.978+/-59.396 χ^2/NDF:245875.5/10

Left: 253687.161+/-40.610 χ^2/NDF: 587934.6/23

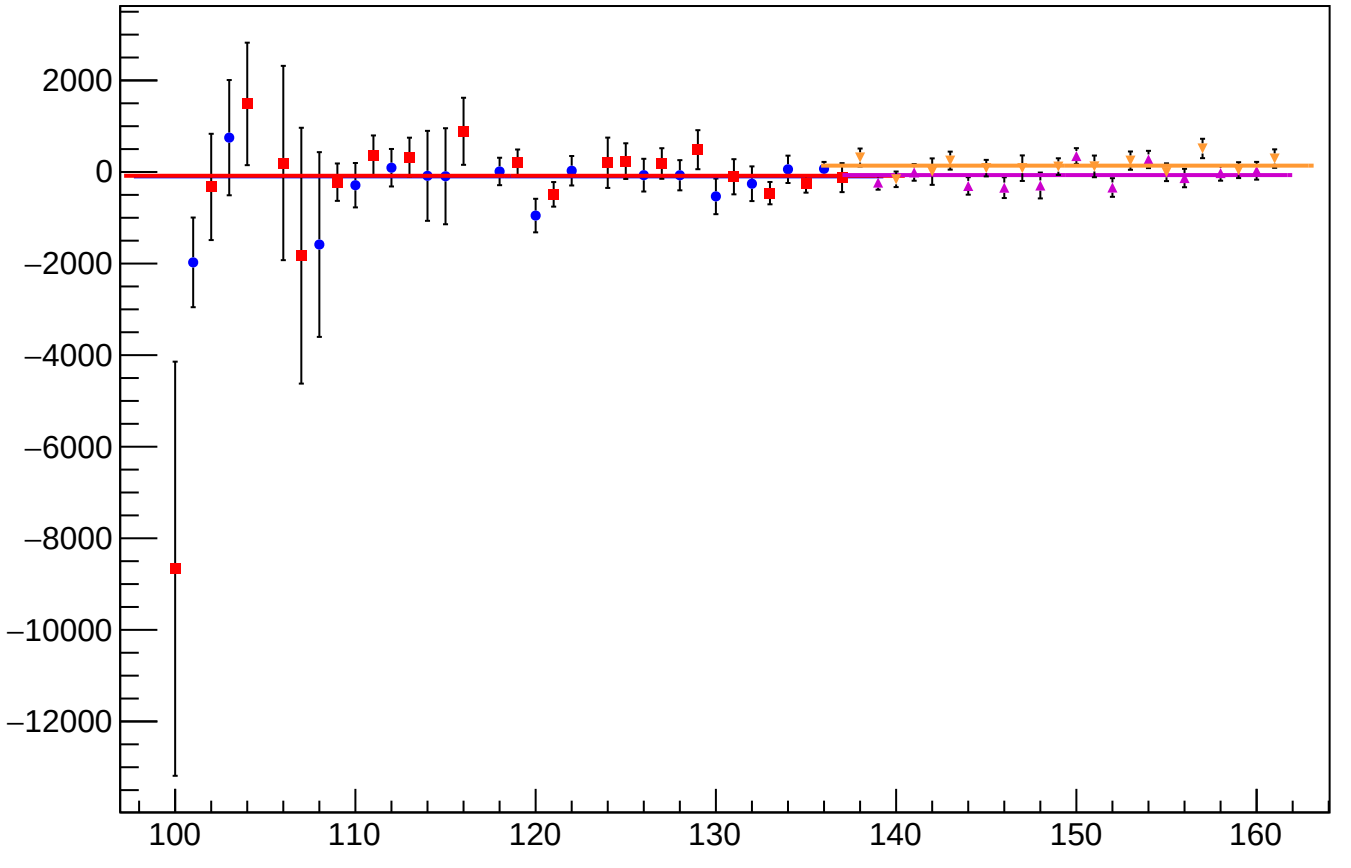
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 287958.348+/-51.604 χ^2/NDF:2159994.4/26

Out: 283458.409+/-49.725 χ^2/NDF:2844977.0/31

All: 285624.949+/-35.807 χ^2/NDF: 5008914.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 138.588+/-55.722 χ^2/NDF:9.5/12

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -67.606+/-57.320 χ^2/NDF:16.2/10

Left: 38.405+/-39.954 χ^2/NDF: 32.3/23

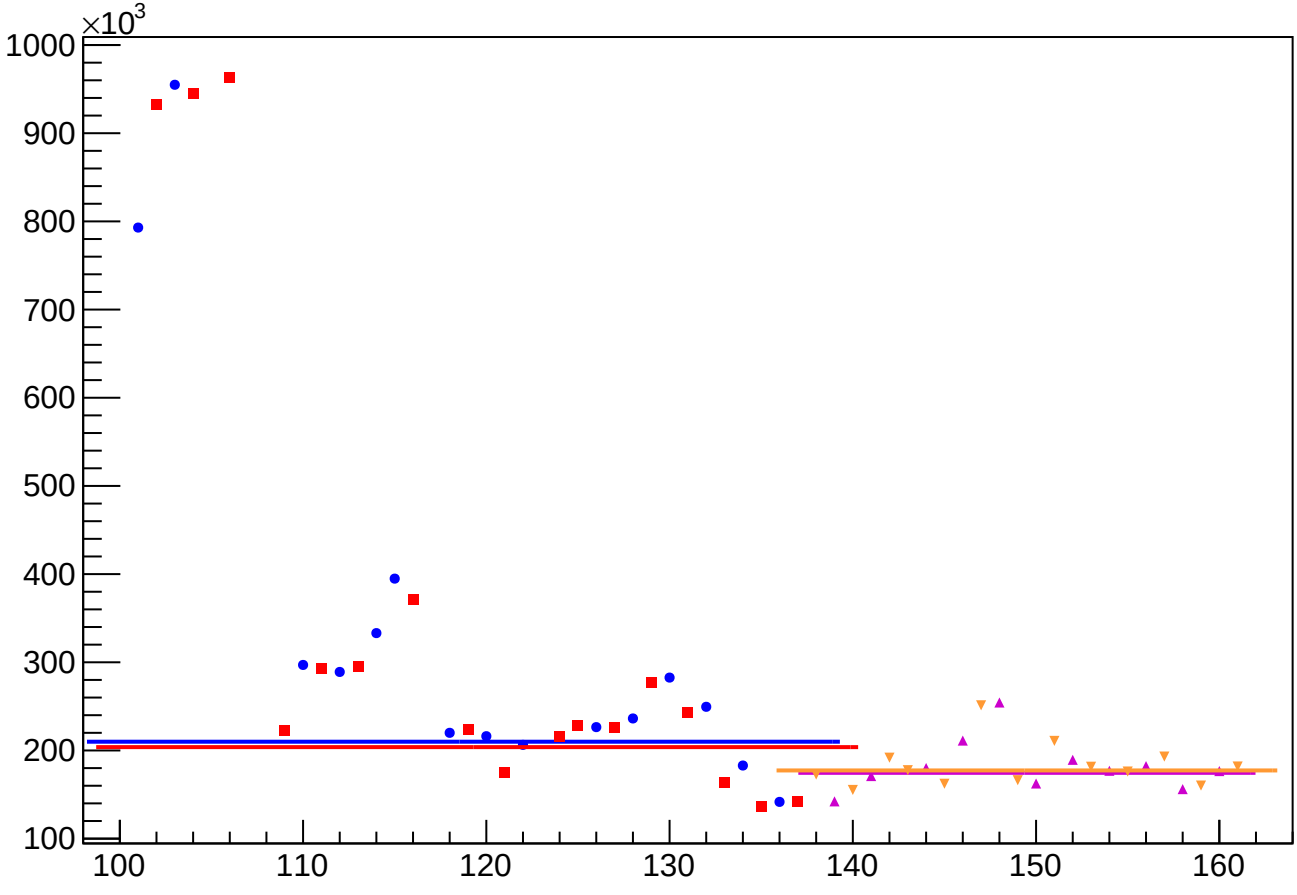
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -75.984+/-48.073 χ^2/NDF:29.9/26

Out: 74.533+/-46.972 χ^2/NDF:33.1/31

All: 1.018+/-33.597 χ^2/NDF: 68.1/58

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177345.264+/-39.401 χ^2/NDF:274229.7/12

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 174649.031+/-40.531 χ^2/NDF:348440.1/10

Left: 176035.256+/-28.252 χ^2/NDF: 624944.9/23

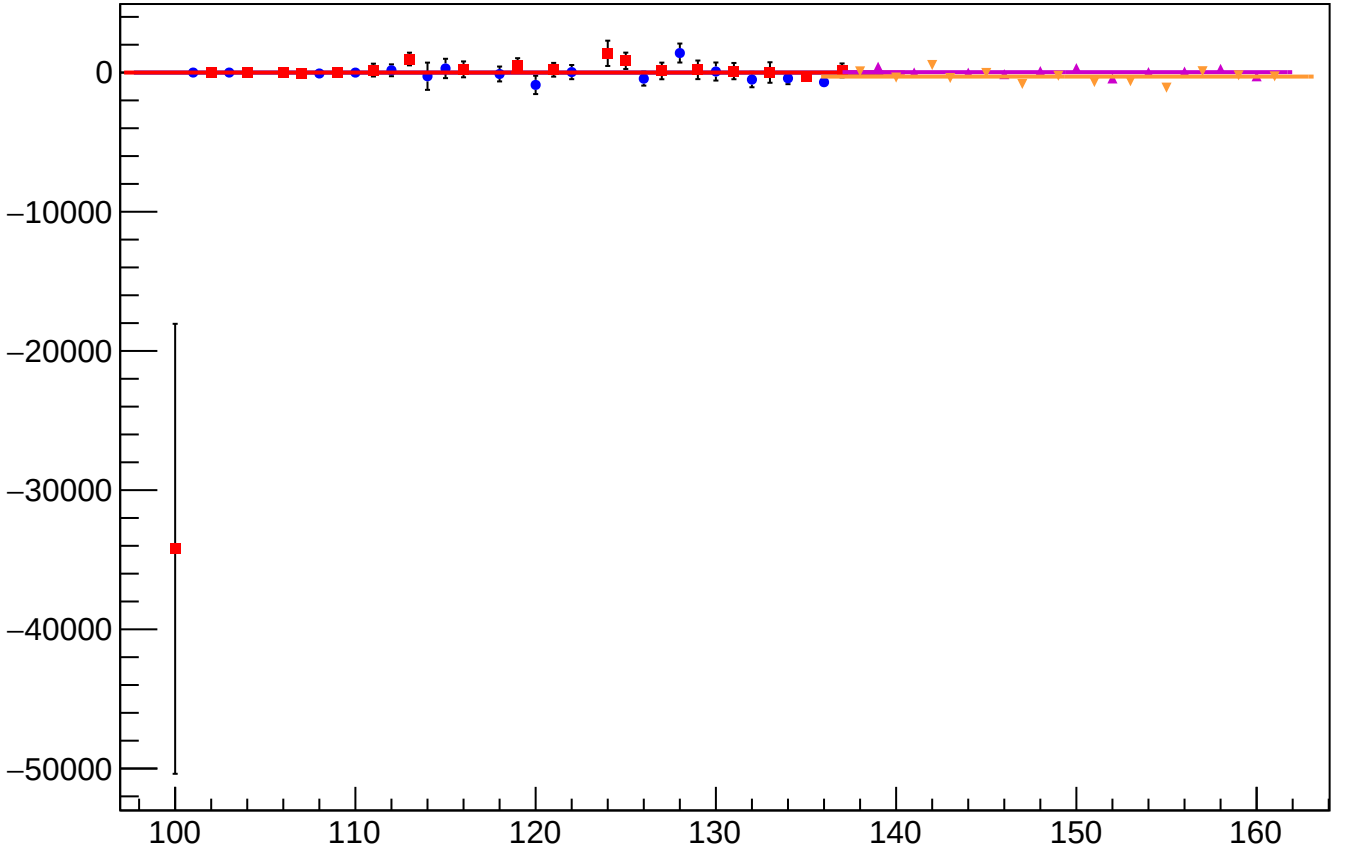
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185088.353+/-34.010 χ^2/NDF:2532529.7/25

Out: 184972.365+/-33.238 χ^2/NDF:2474644.4/29

All: 185029.028+/-23.771 χ^2/NDF: 5007180.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -288.771+/-65.835 χ^2/NDF:31.4/12

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 28.588+/-70.319 χ^2/NDF:10.0/10

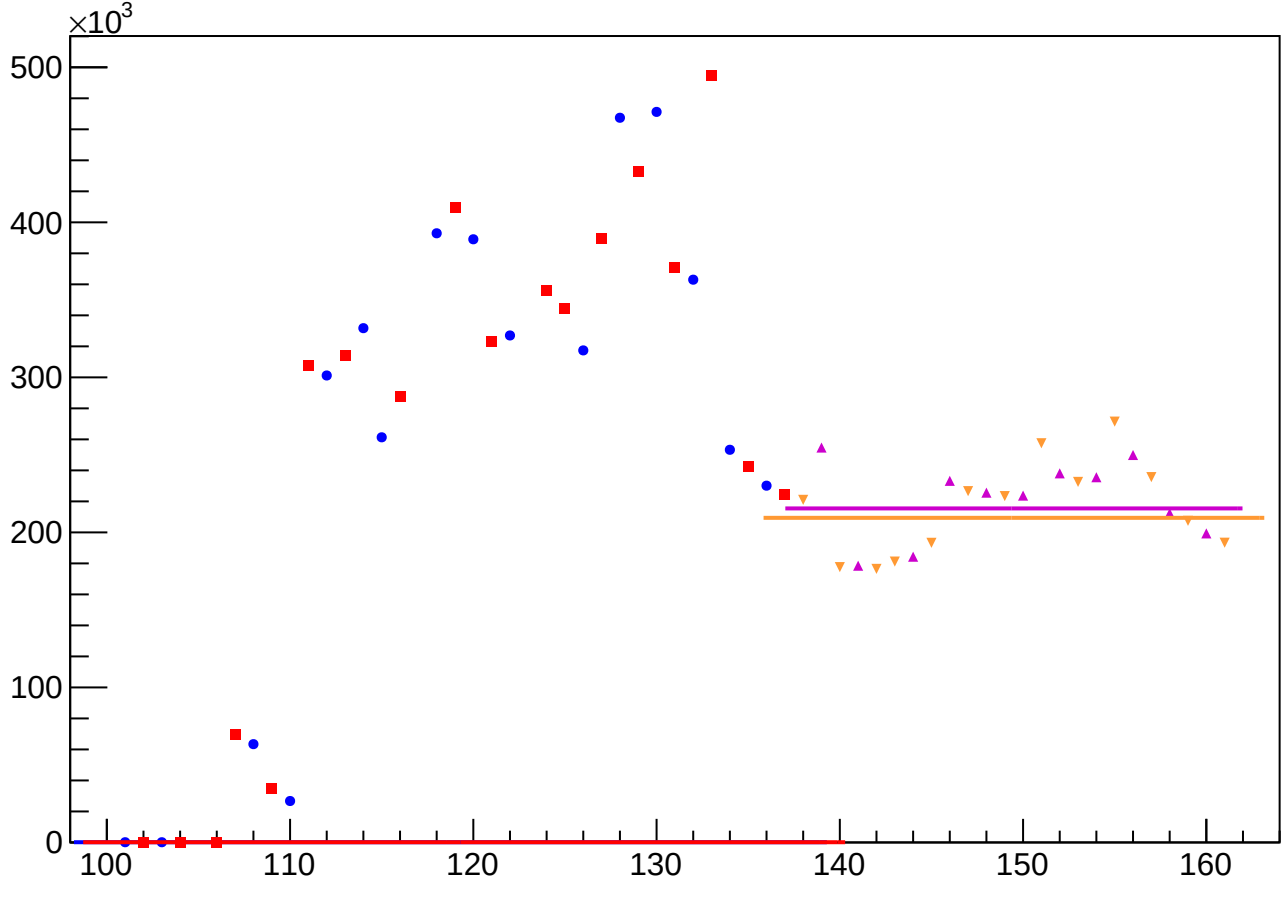
Left: -140.532+/-48.059 χ^2/NDF: 52.2/23

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:28.3/26

Out: 0.353+/-0.160 χ^2/NDF:67.1/31

All: 0.173+/-0.117 χ^2/NDF: 98.2/58



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209389.836+/-46.552 χ^2/NDF:347029.2/12

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 215462.929+/-49.723 χ^2/NDF:253267.8/10

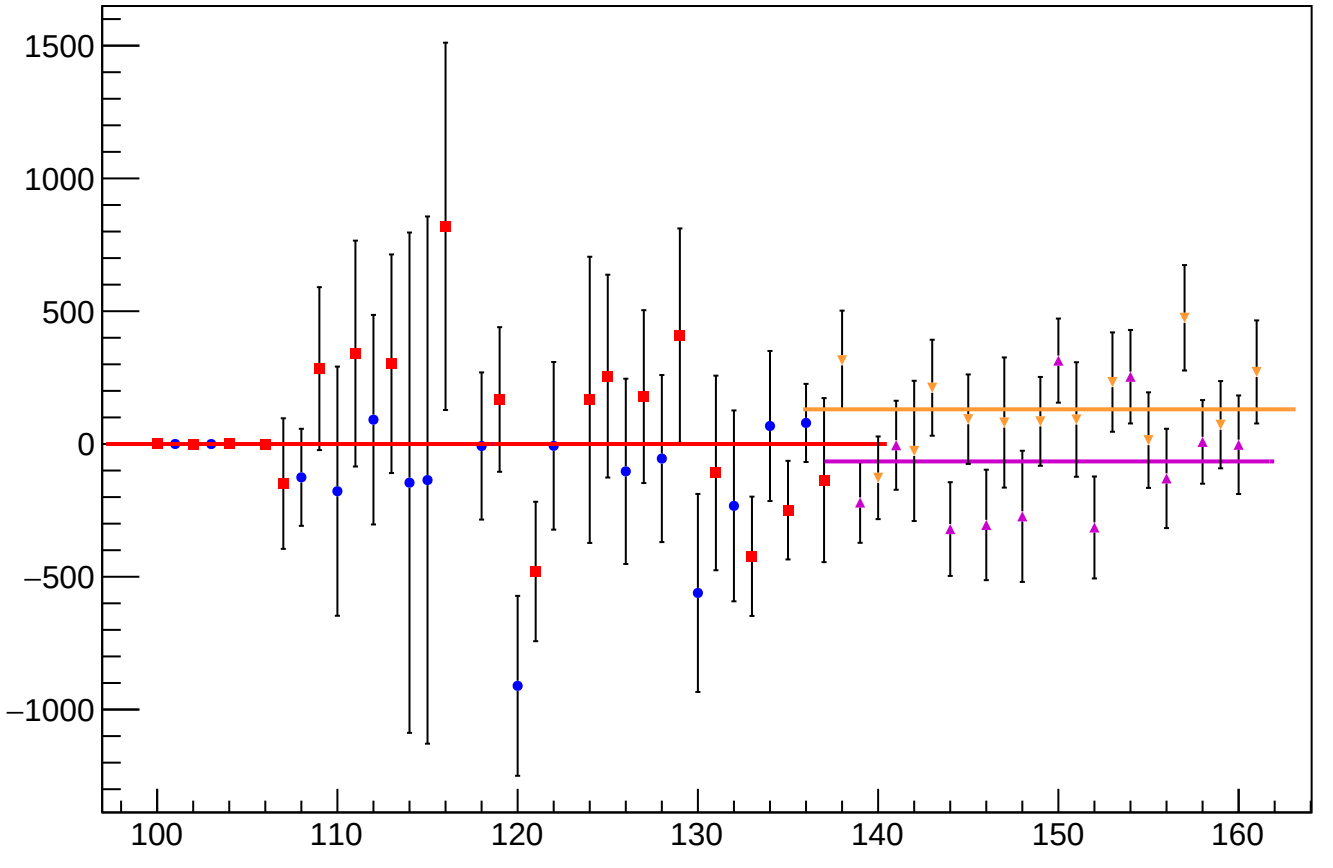
Left: 212226.579+/-33.983 χ^2/NDF: 608246.7/23

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.384+/-0.122 χ^2/NDF:30306180.4/26

Out: 150.617+/-0.113 χ^2/NDF:31838320.5/30

All: 150.509+/-0.083 χ^2/NDF: 62144502.9/57



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 130.519+/-51.819 χ^2/NDF:8.8/12

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -65.676+/-53.616 χ^2/NDF:16.4/10

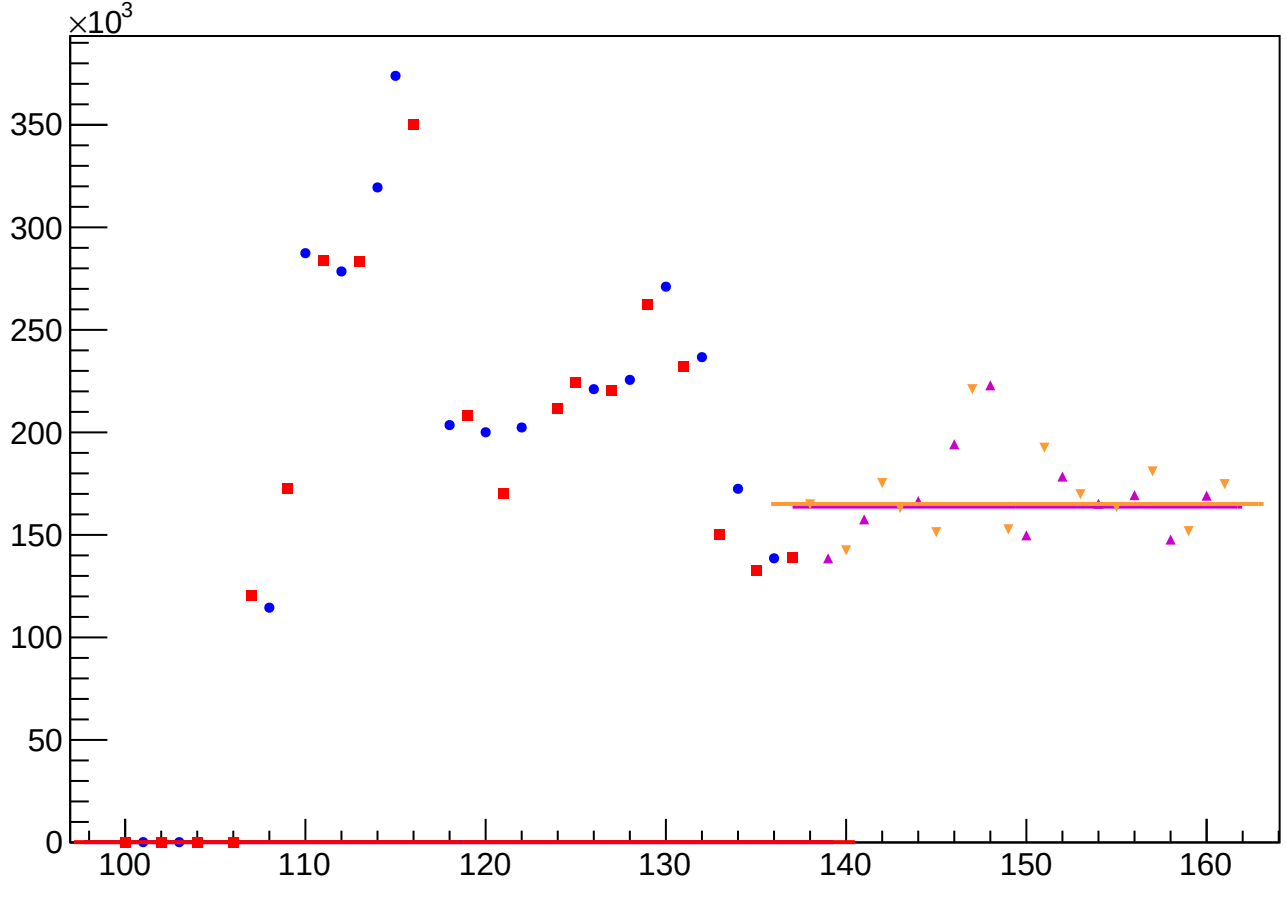
Left: 35.766+/-37.261 χ^2/NDF: 32.2/23

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:29.1/26

Out: -0.125+/-0.166 χ^2/NDF:30.4/31

All: -0.098+/-0.121 χ^2/NDF: 59.6/58



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 165091.552+/-36.641 χ^2/NDF:238689.6/12

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163791.984+/-37.913 χ^2/NDF:267647.4/10

Left: 164463.919+/-26.347 χ^2/NDF: 506944.6/23

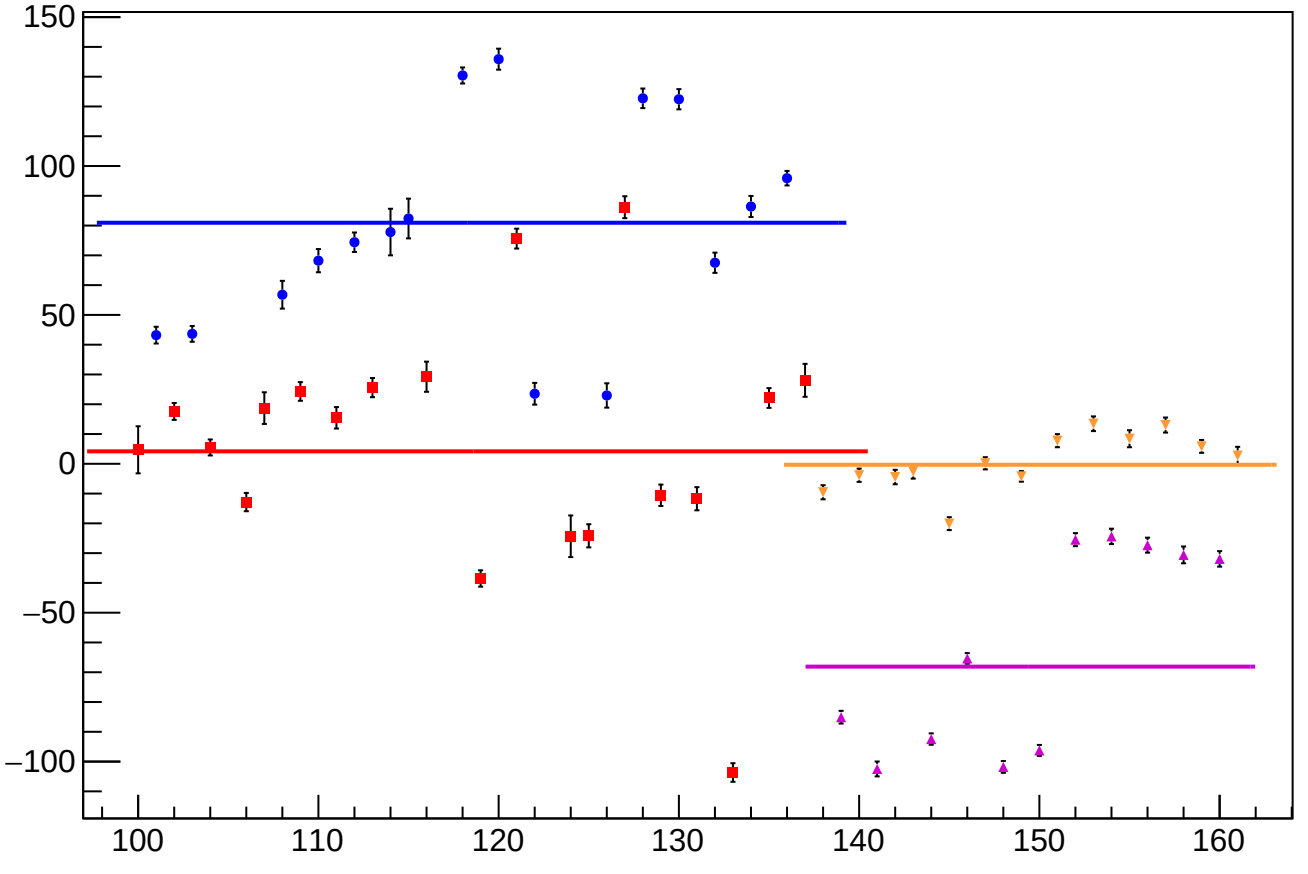
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.248+/-0.125 χ^2/NDF:30802009.5/26

Out: 157.860+/-0.118 χ^2/NDF:31831422.4/31

All: 156.636+/-0.086 χ^2/NDF: 62633662.7/58

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.320+/-0.637 χ^2/NDF:200.3/12

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -68.115+/-0.659 χ^2/NDF:2237.1/10

Left: -33.073+/-0.458 χ^2/NDF: 7910.9/23

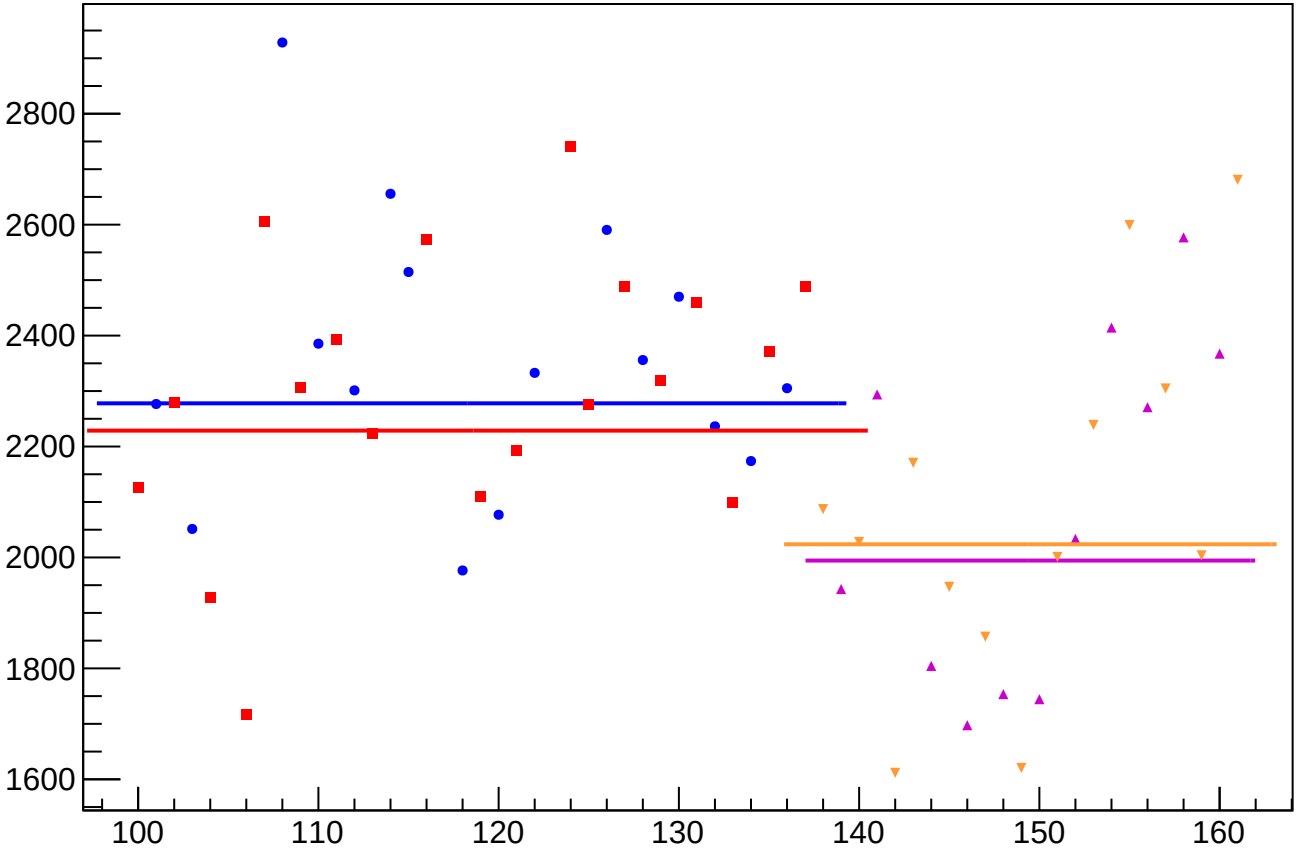
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.290+/-0.521 χ^2/NDF:23224.3/26

Out: 1.374+/-0.503 χ^2/NDF:2938.8/31

All: -5.218+/-0.362 χ^2/NDF: 26519.1/58

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2023.757+/-0.450 χ^2/NDF:404830.7/12

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1994.397+/-0.466 χ^2/NDF:374785.1/10

Left: 2009.573+/-0.324 χ^2/NDF: 781669.1/23

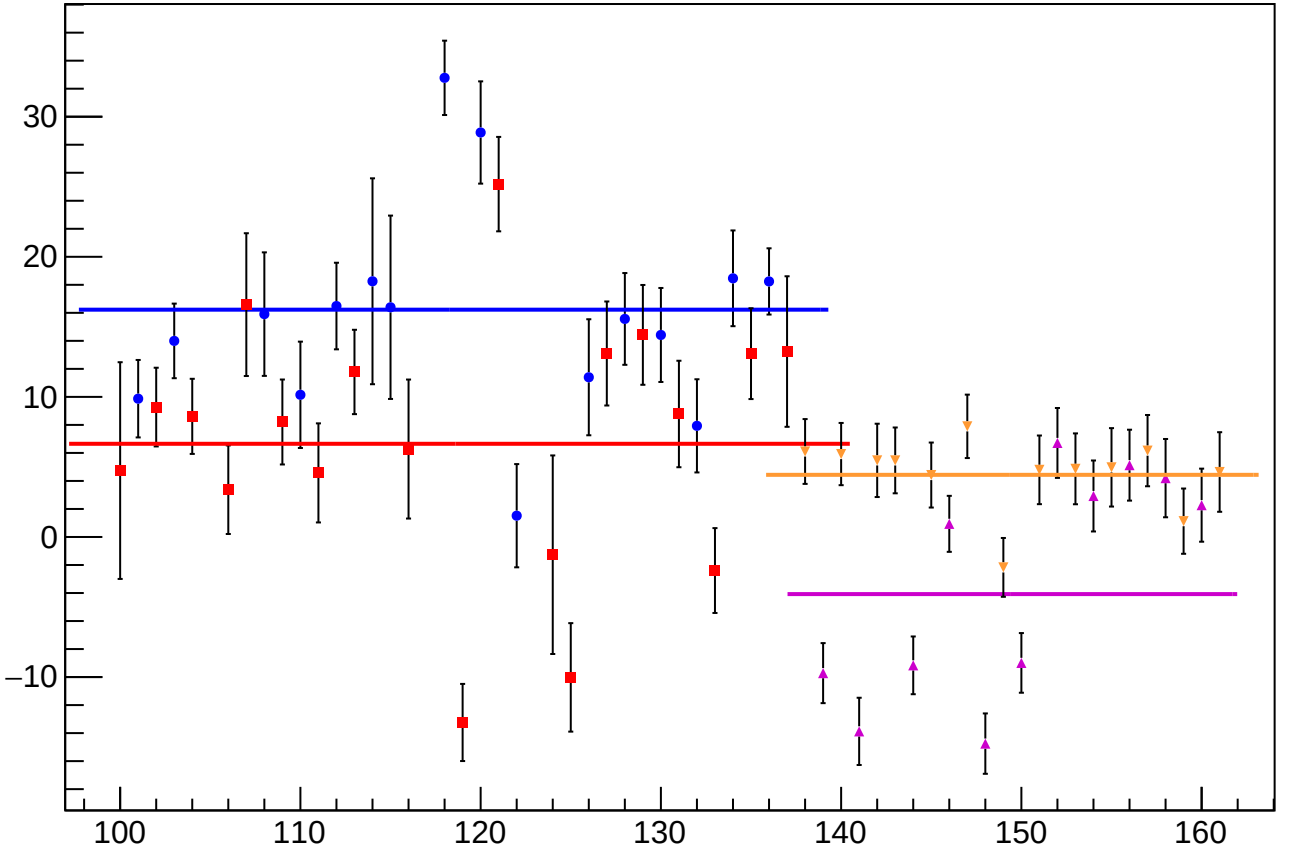
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2100.552+/-0.368 χ^2/NDF:629220.2/26

Out: 2100.860+/-0.356 χ^2/NDF:633865.3/31

All: 2100.711+/-0.256 χ^2/NDF: 1263085.8/58

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.437+/-0.668 χ^2/NDF:16.1/12

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -4.077+/-0.697 χ^2/NDF:120.1/10

Left: 0.355+/-0.482 χ^2/NDF: 214.0/23

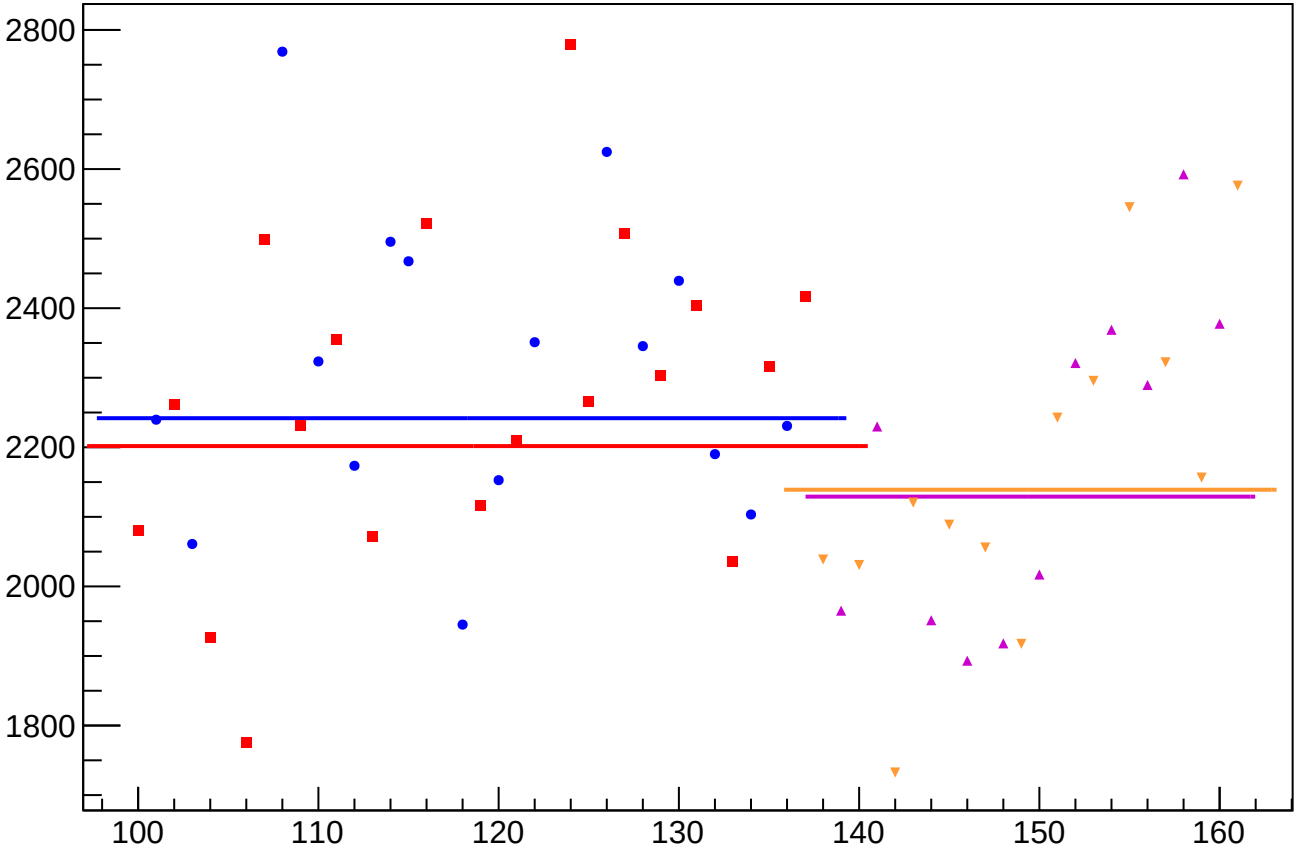
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.224+/-0.536 χ^2/NDF:552.0/26

Out: 5.335+/-0.515 χ^2/NDF:155.1/31

All: 4.801+/-0.371 χ^2/NDF: 709.3/58

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2139.017+/-0.473 χ^2/NDF:193994.5/12

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2129.079+/-0.493 χ^2/NDF:193660.7/10

Left: 2134.253+/-0.341 χ^2/NDF: 387867.1/23

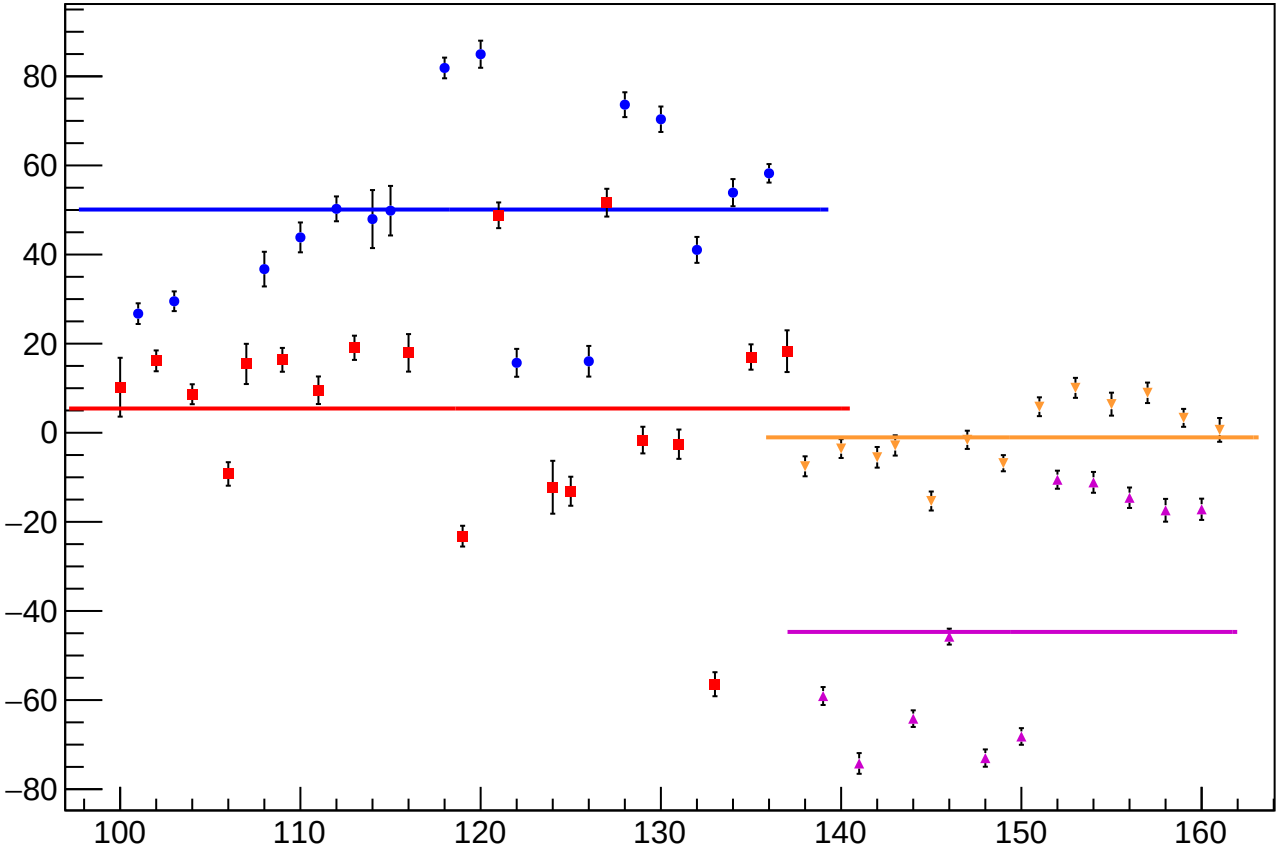
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2175.188+/-0.379 χ^2/NDF:317353.3/26

Out: 2164.455+/-0.364 χ^2/NDF:331017.9/31

All: 2169.615+/-0.263 χ^2/NDF: 648788.2/58

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.034+/-0.607 χ^2/NDF:136.9/12

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -44.705+/-0.629 χ^2/NDF:1600.0/10

Left: -22.082+/-0.437 χ^2/NDF: 4233.2/23

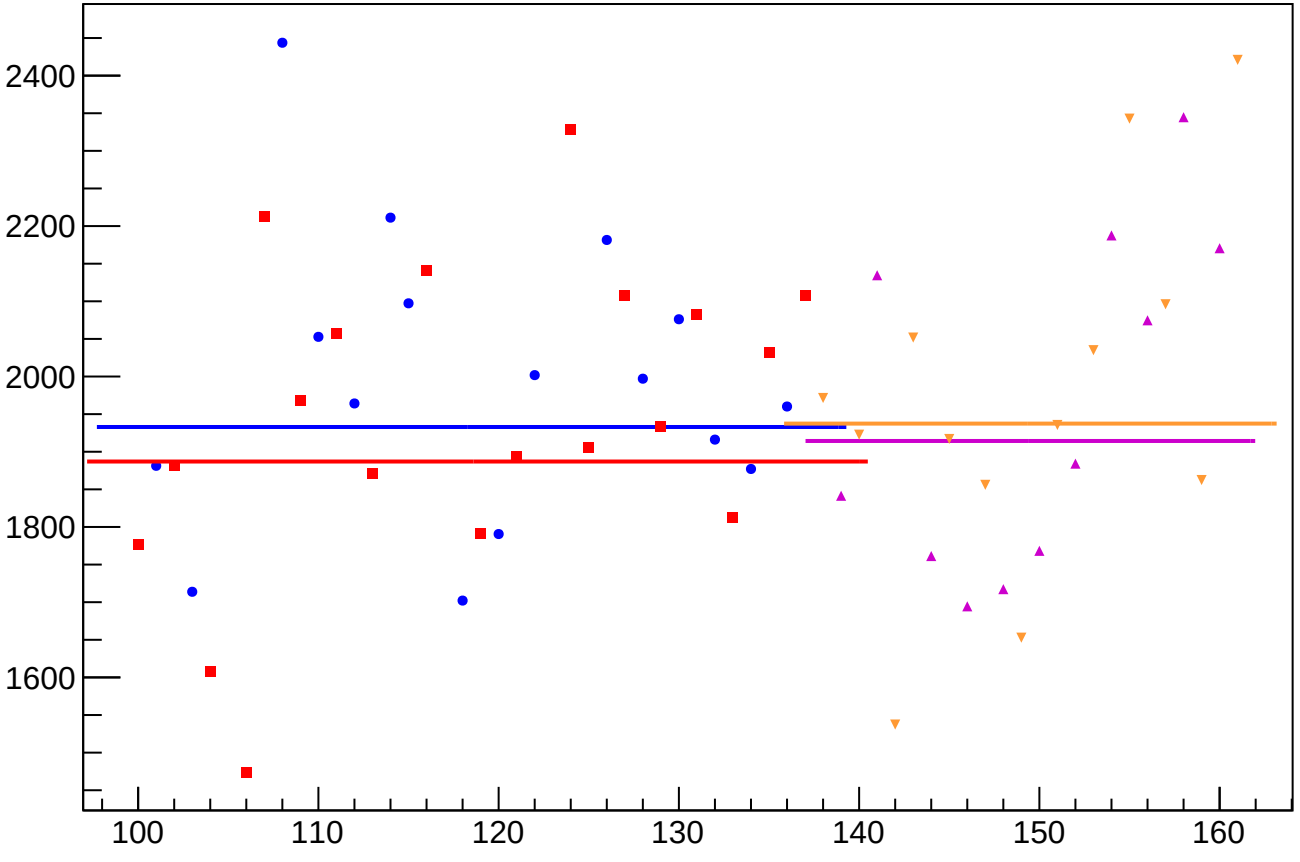
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.797+/-0.474 χ^2/NDF:12287.9/26

Out: 1.771+/-0.457 χ^2/NDF:1497.9/31

All: -0.908+/-0.329 χ^2/NDF: 13857.2/58

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1937.408+/-0.429 χ^2/NDF:248881.7/12

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1914.316+/-0.445 χ^2/NDF:214223.4/10

Left: 1926.279+/-0.309 χ^2/NDF: 464501.1/23

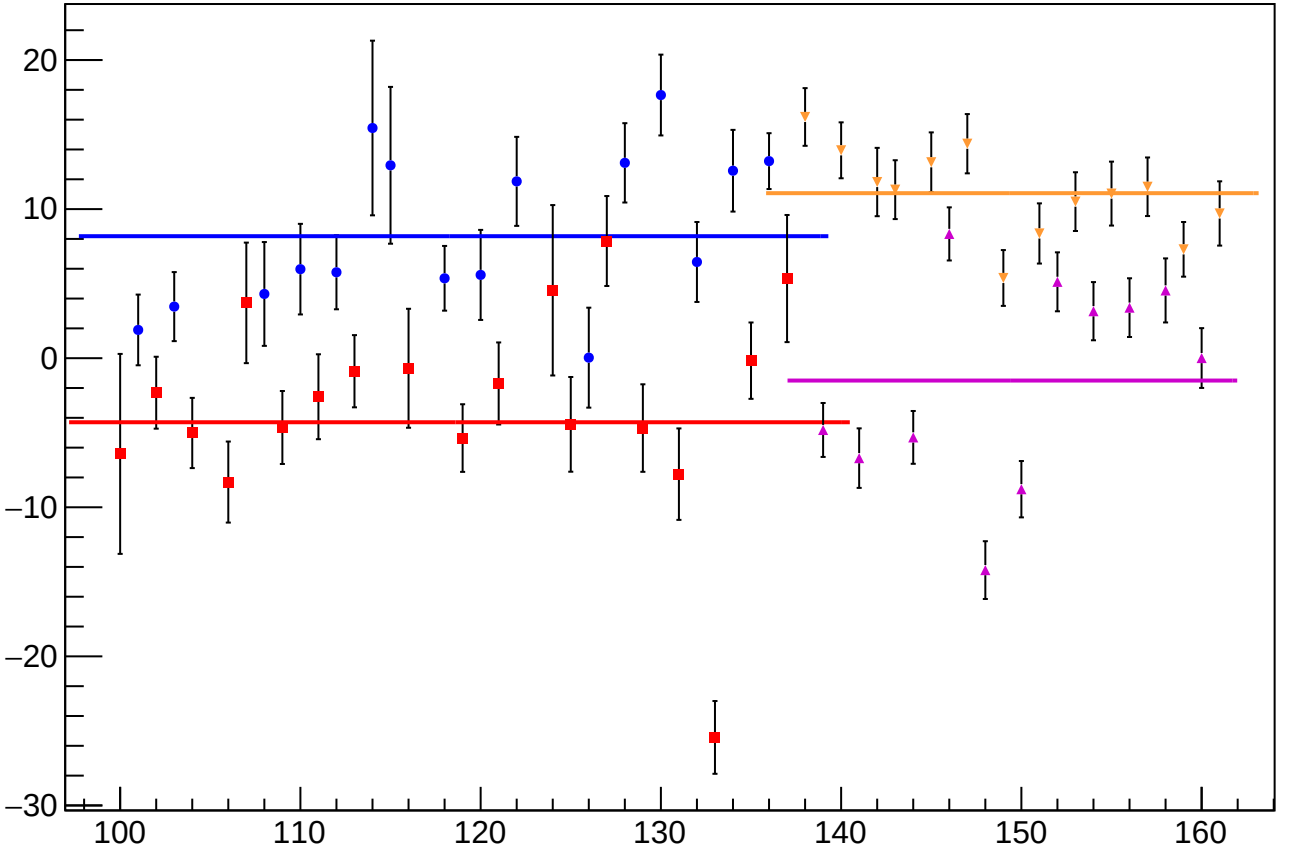
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1922.337+/-0.335 χ^2/NDF:320944.4/26

Out: 1915.580+/-0.323 χ^2/NDF:404604.2/31

All: 1918.832+/-0.233 χ^2/NDF: 725759.1/58

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.069+/-0.552 χ^2/NDF:29.1/12

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.499+/-0.580 χ^2/NDF:134.7/10

Left: 5.086+/-0.400 χ^2/NDF: 410.3/23

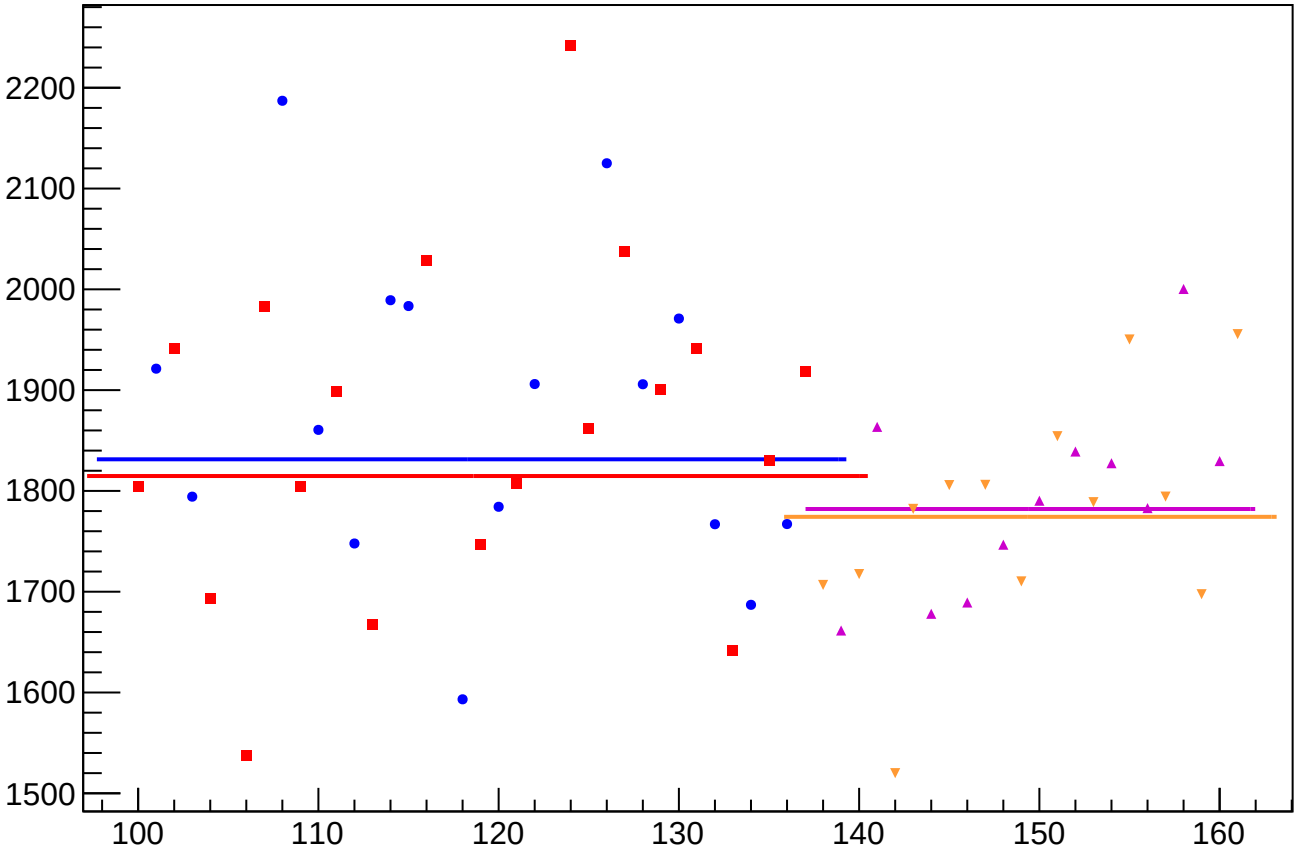
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.550+/-0.442 χ^2/NDF:303.4/26

Out: 4.801+/-0.425 χ^2/NDF:458.7/31

All: 3.720+/-0.306 χ^2/NDF: 775.6/58

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1774.289+/-0.391 χ^2/NDF:66842.2/12

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1782.062+/-0.410 χ^2/NDF:49746.8/10

Left: 1777.989+/-0.283 χ^2/NDF: 116777.6/23

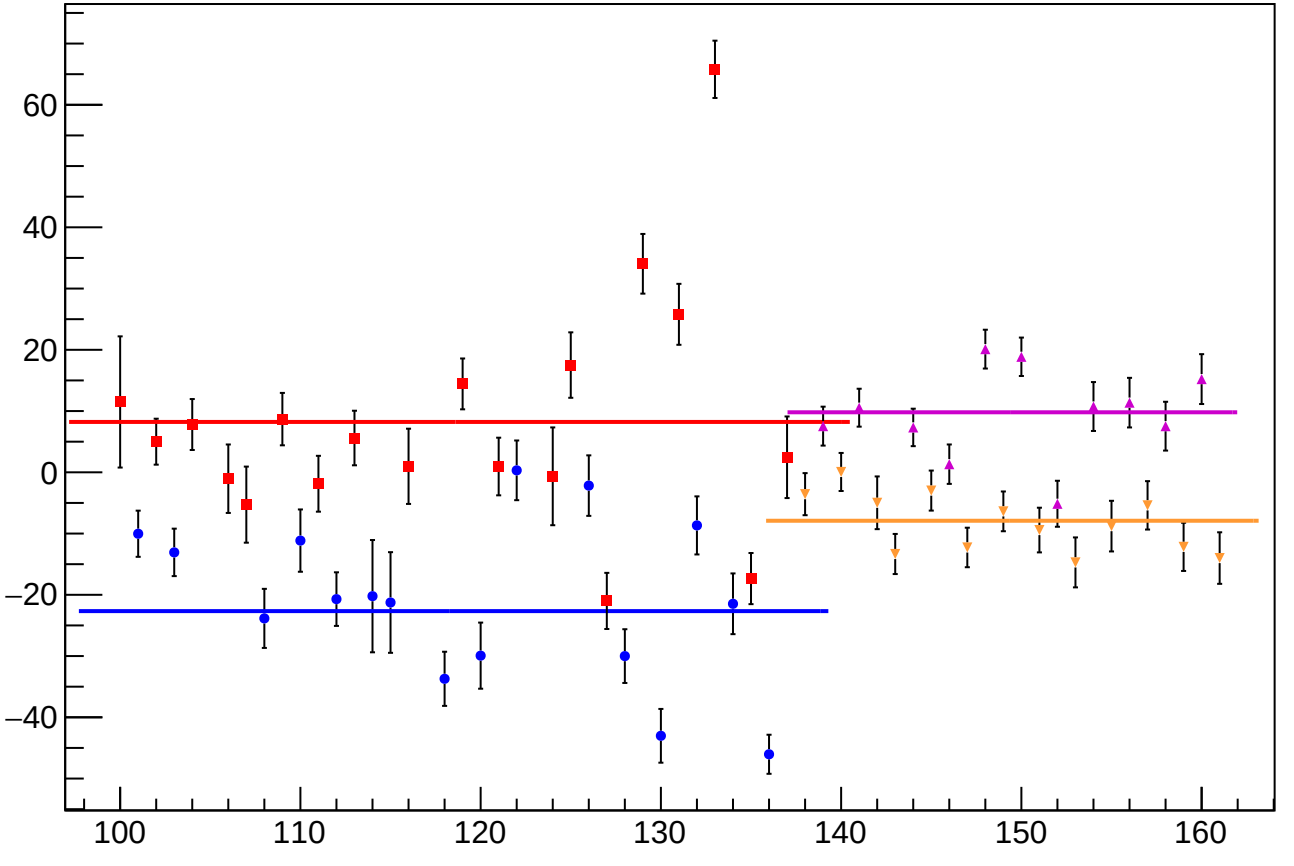
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1802.677+/-0.313 χ^2/NDF:142718.1/26

Out: 1790.803+/-0.301 χ^2/NDF:161963.8/31

All: 1796.507+/-0.217 χ^2/NDF: 305431.8/58

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.909+/-1.000 χ^2/NDF:22.4/12

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.798+/-1.039 χ^2/NDF:45.2/10

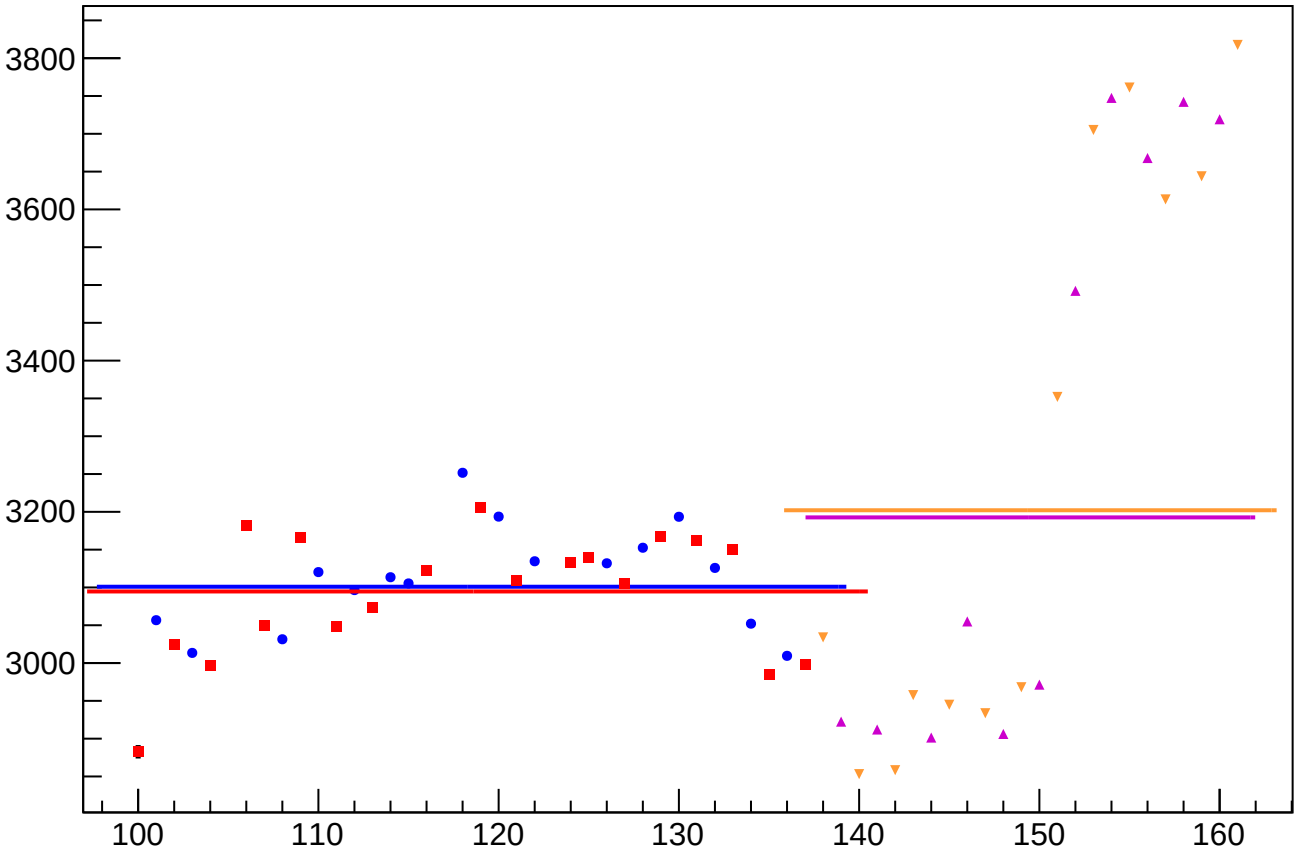
Left: 0.609+/-0.721 χ^2/NDF: 218.3/23

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.765+/-0.772 χ^2/NDF:640.2/26

Out: -0.812+/-0.749 χ^2/NDF:431.6/31

All: -2.729+/-0.537 χ^2/NDF: 1085.3/58



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3202.089+/-0.707 χ^2/NDF:250626.1/12

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3192.647+/-0.735 χ^2/NDF:229399.9/10

Left: 3197.547+/-0.510 χ^2/NDF: 480111.7/23

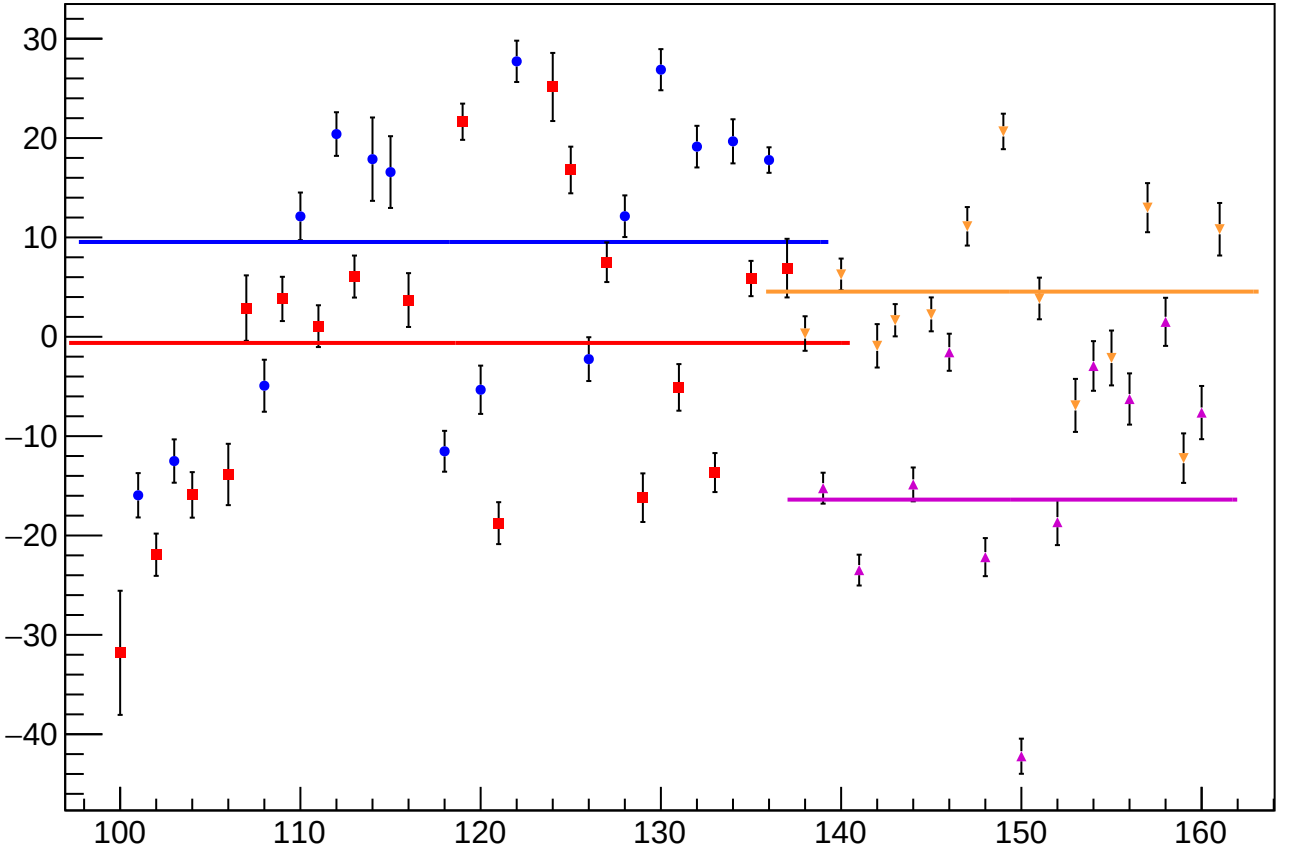
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3151.503+/-0.546 χ^2/NDF:244282.5/26

Out: 3154.841+/-0.529 χ^2/NDF:269351.0/31

All: 3153.222+/-0.380 χ^2/NDF: 513652.7/58

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 4.546+/-0.559 χ^2/NDF:198.2/12

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -16.388+/-0.591 χ^2/NDF:418.8/10

Left: -5.330+/-0.406 χ^2/NDF: 1279.0/23

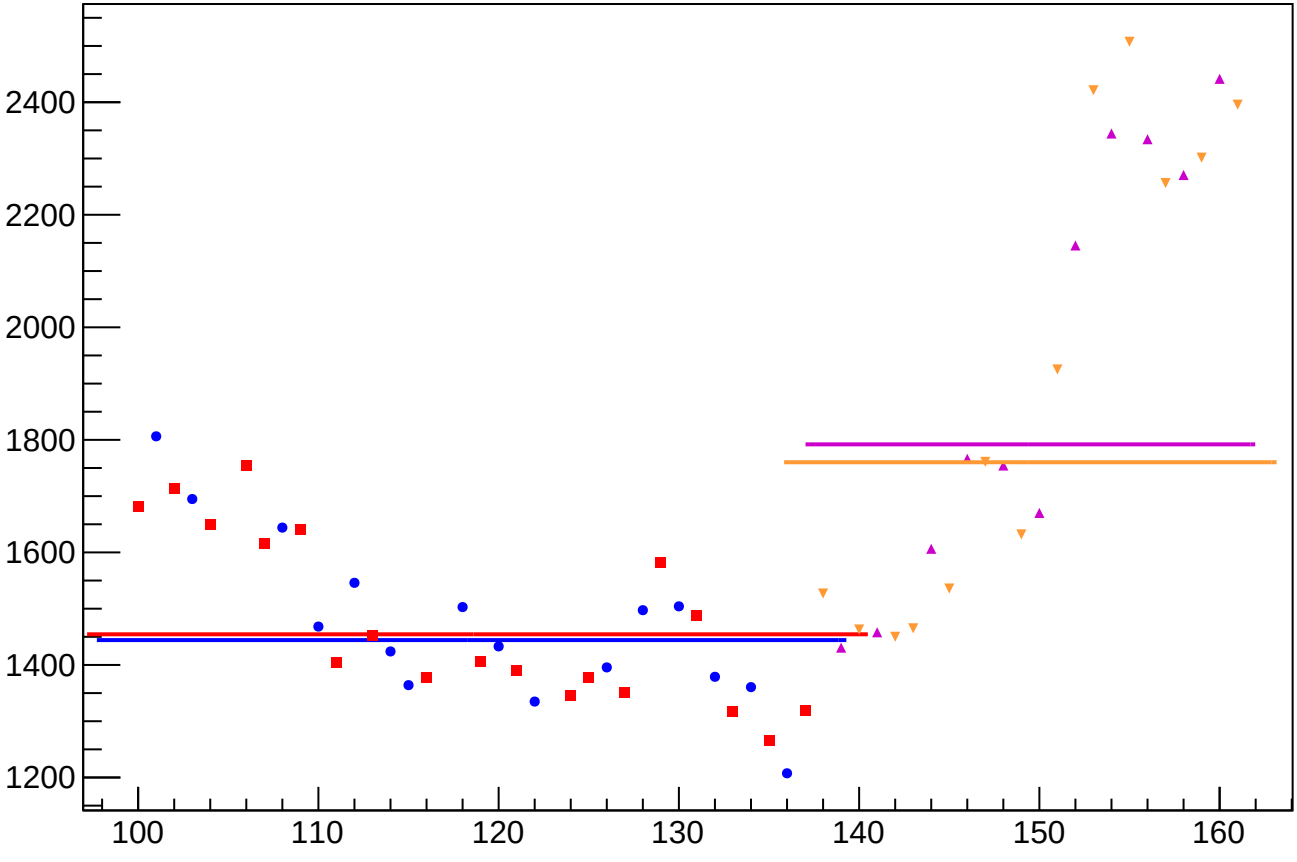
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.281+/-0.399 χ^2/NDF:2163.6/26

Out: 1.847+/-0.386 χ^2/NDF:908.7/31

All: -0.148+/-0.278 χ^2/NDF: 3127.4/58

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1760.230+/-0.395 χ^2/NDF:828741.8/12

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1792.011+/-0.418 χ^2/NDF:663476.5/10

Left: 1775.223+/-0.287 χ^2/NDF: 1495269.8/23

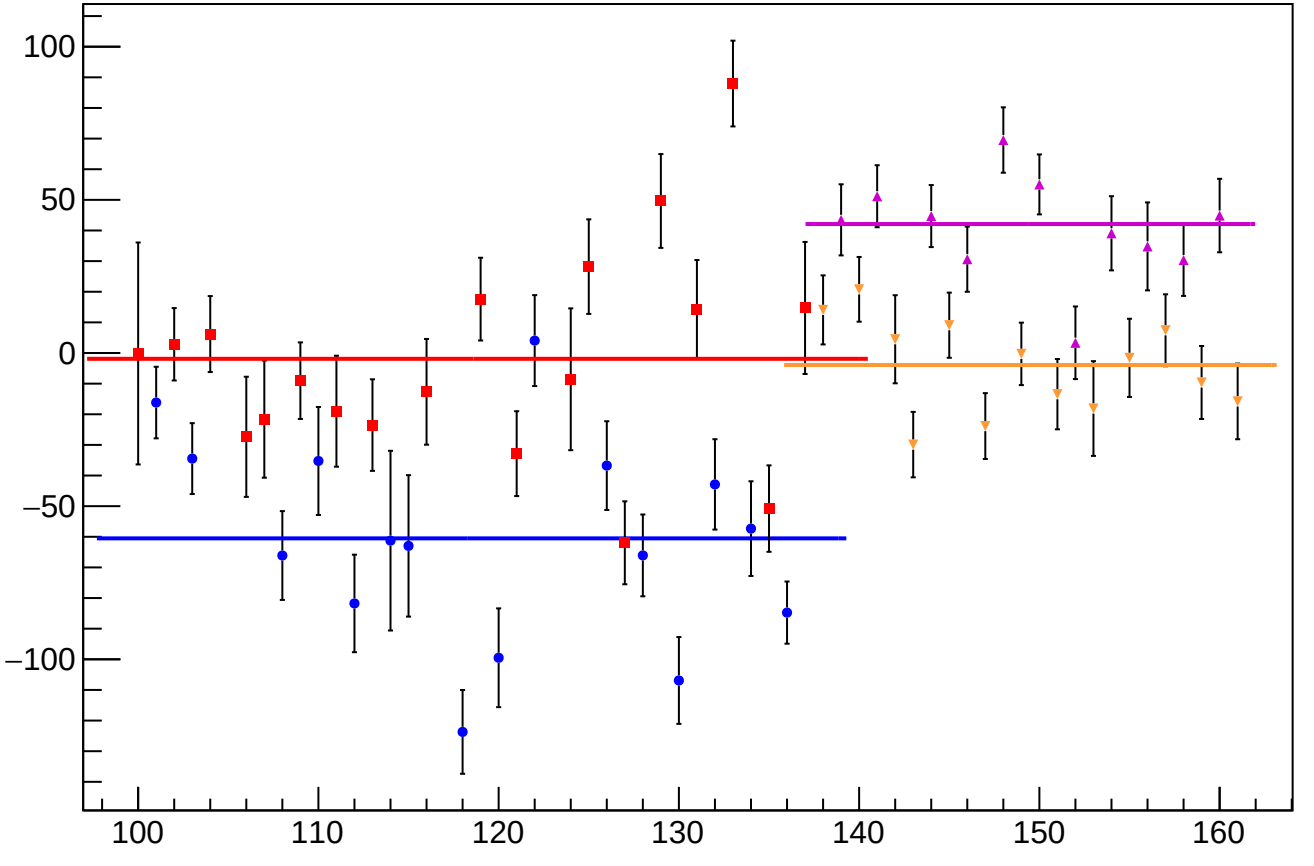
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1602.764+/-0.282 χ^2/NDF:1220110.3/26

Out: 1600.436+/-0.273 χ^2/NDF:1284413.5/31

All: 1601.561+/-0.196 χ^2/NDF: 2504558.9/58

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.920+/-3.223 χ^2/NDF:23.0/12

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 42.107+/-3.371 χ^2/NDF:22.5/10

Left: 18.060+/-2.329 χ^2/NDF: 142.9/23

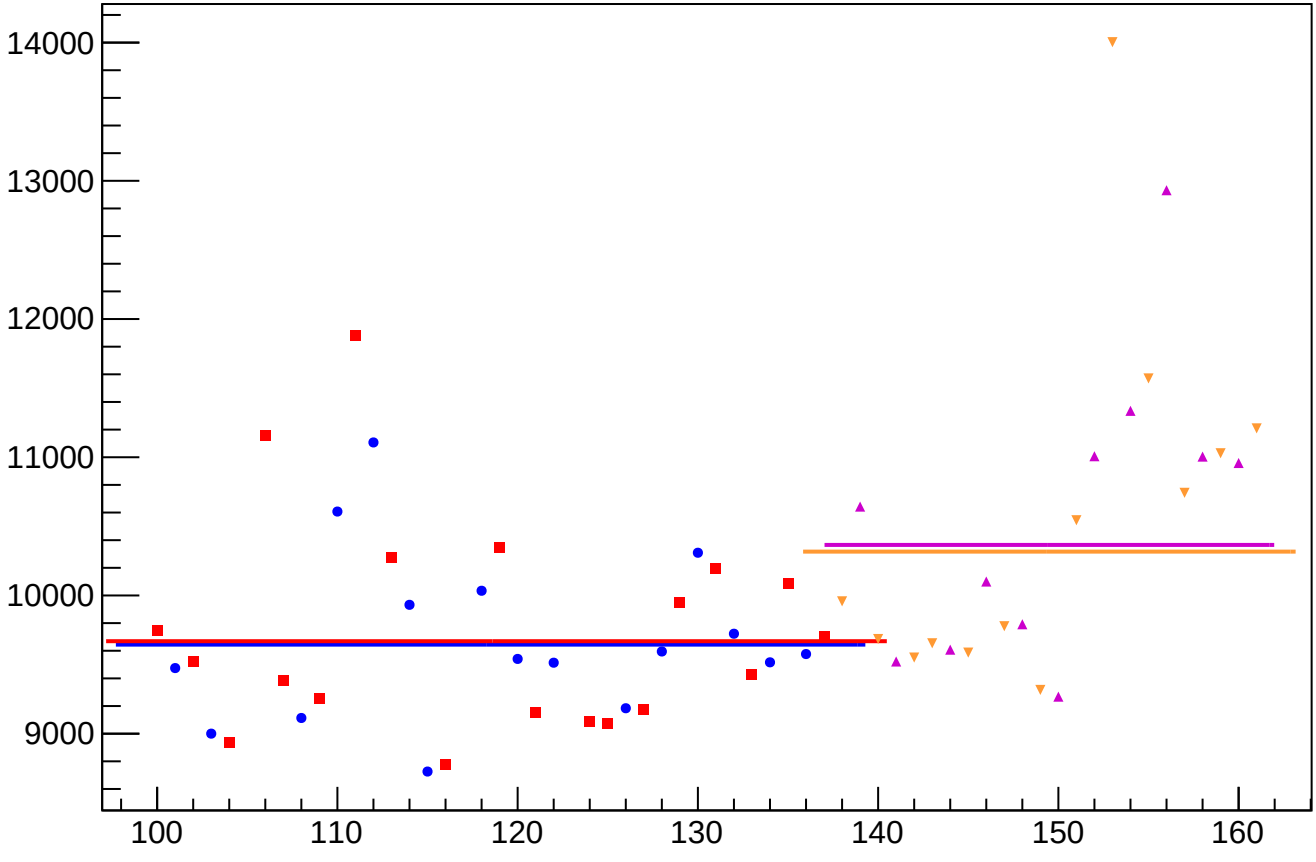
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -5.886+/-2.459 χ^2/NDF:546.3/26

Out: -3.002+/-2.384 χ^2/NDF:127.0/31

All: -4.399+/-1.712 χ^2/NDF: 674.0/58

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10317.249+/-2.279 χ^2/NDF:210172.8/12

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10365.709+/-2.383 χ^2/NDF:151837.9/10

Left: 10340.390+/-1.647 χ^2/NDF: 362226.7/23

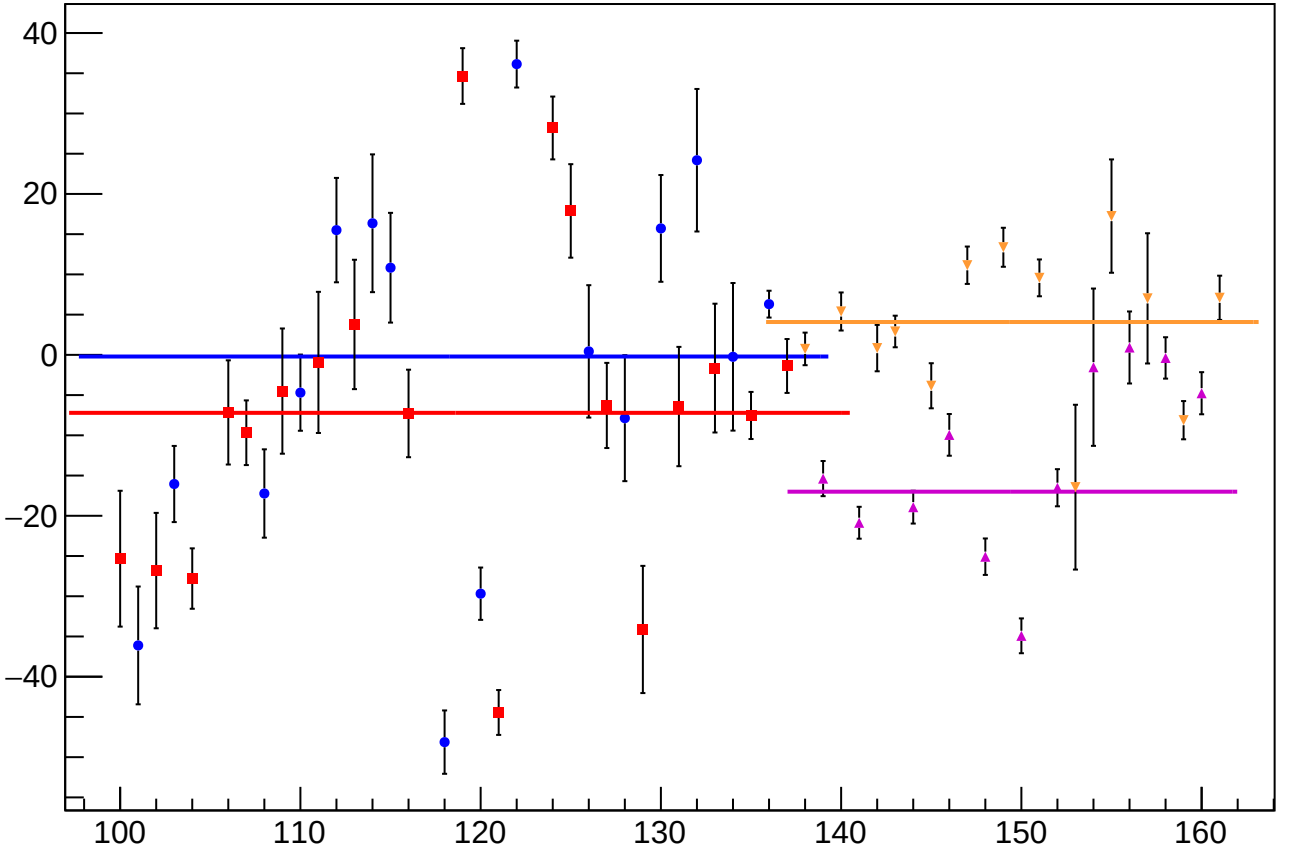
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10028.379+/-1.739 χ^2/NDF:238771.2/26

Out: 10023.807+/-1.686 χ^2/NDF:326678.2/31

All: 10026.022+/-1.210 χ^2/NDF: 565453.0/58

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.083+/-0.739 χ^2/NDF:77.5/12

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -17.005+/-0.744 χ^2/NDF:176.1/10

Left: -6.391+/-0.524 χ^2/NDF: 658.1/23

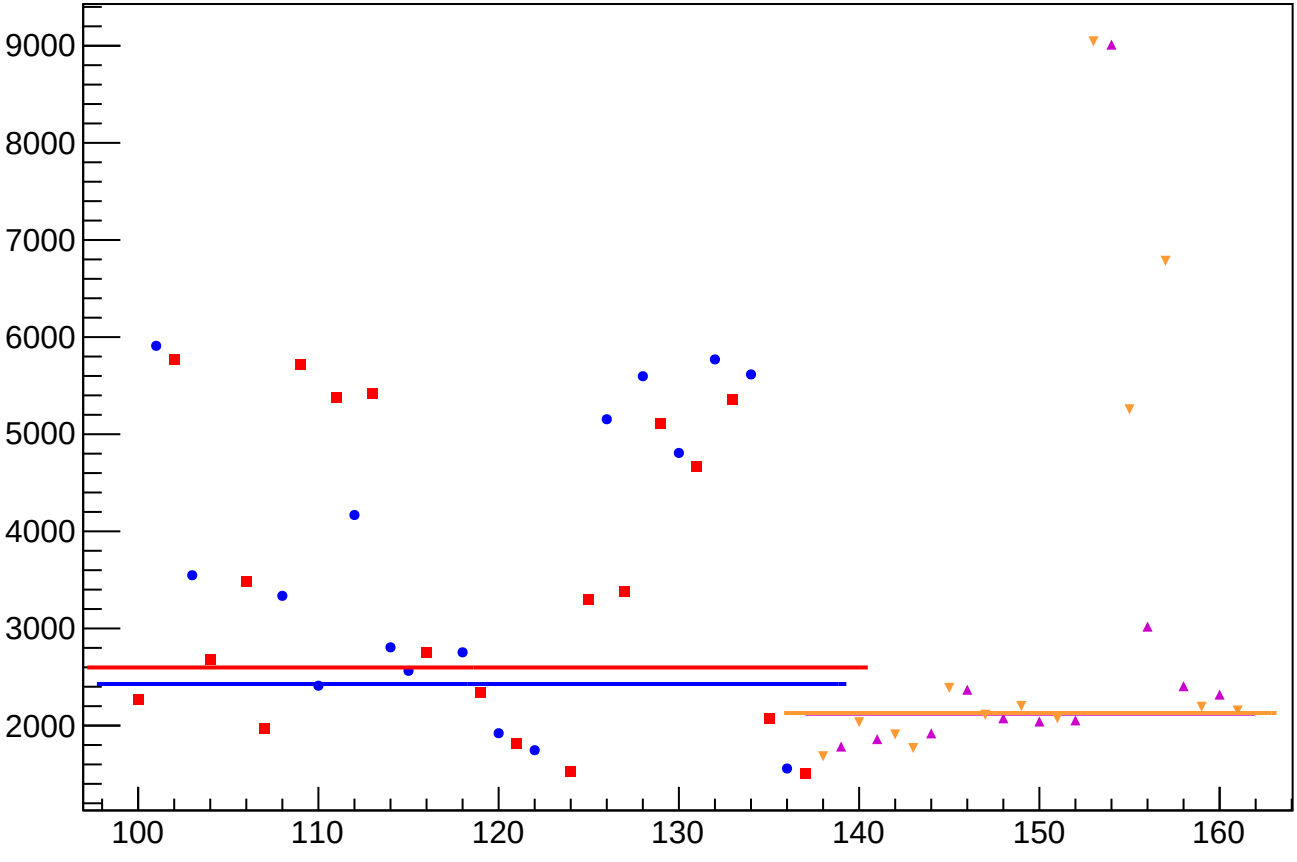
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.358+/-0.606 χ^2/NDF:821.2/26

Out: 0.454+/-0.609 χ^2/NDF:638.2/31

All: -5.478+/-0.430 χ^2/NDF: 1648.5/58

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2129.725+/-0.523 χ^2/NDF:2169047.0/12

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2122.425+/-0.526 χ^2/NDF:1235069.4/10

Left: 2126.099+/-0.371 χ^2/NDF: 3404213.4/23

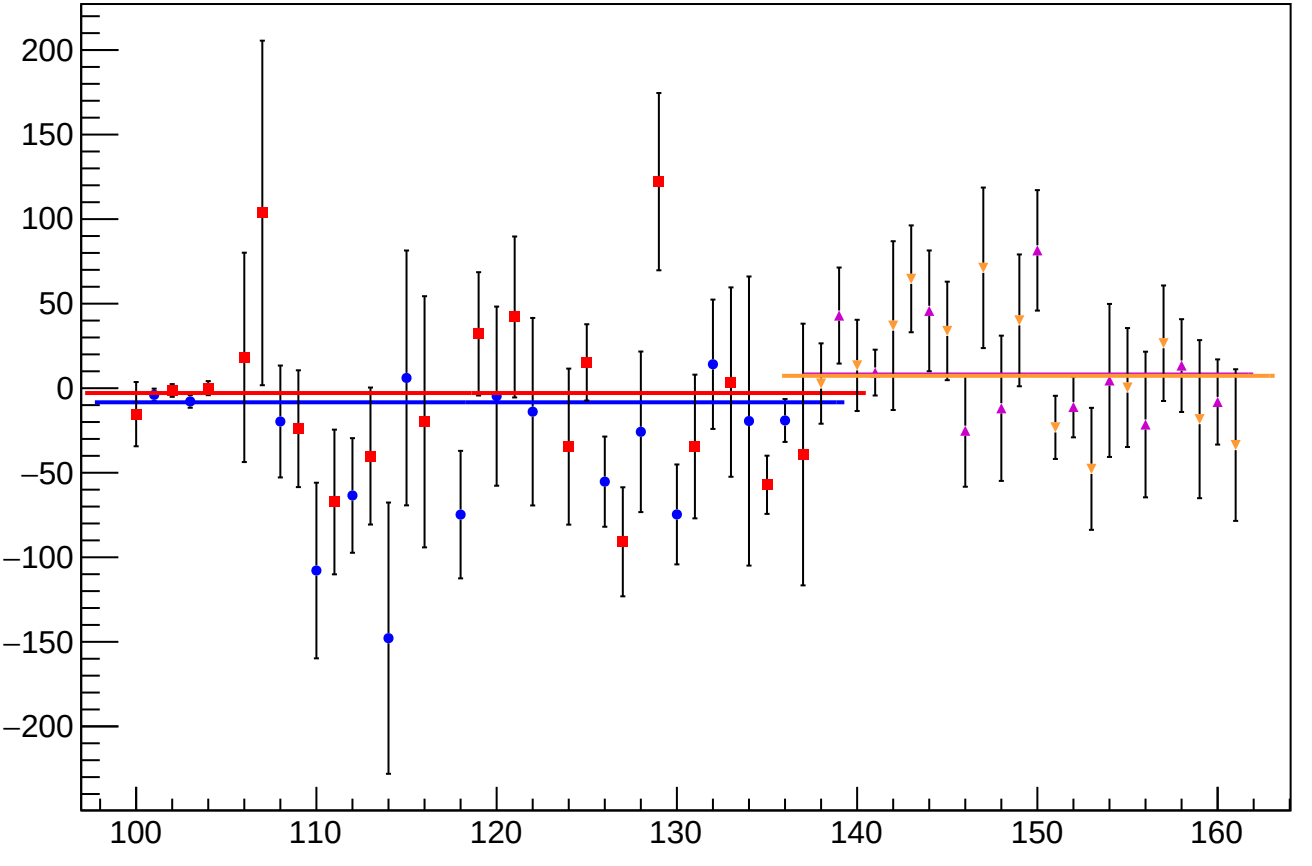
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2225.183+/-0.429 χ^2/NDF:4163908.8/26

Out: 2280.379+/-0.430 χ^2/NDF:4942486.9/31

All: 2252.661+/-0.304 χ^2/NDF: 9114652.4/58

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.333+/-8.742 χ^2/NDF:13.6/12

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 8.097+/-7.729 χ^2/NDF:10.2/10

Left: 7.762+/-5.790 χ^2/NDF: 23.7/23

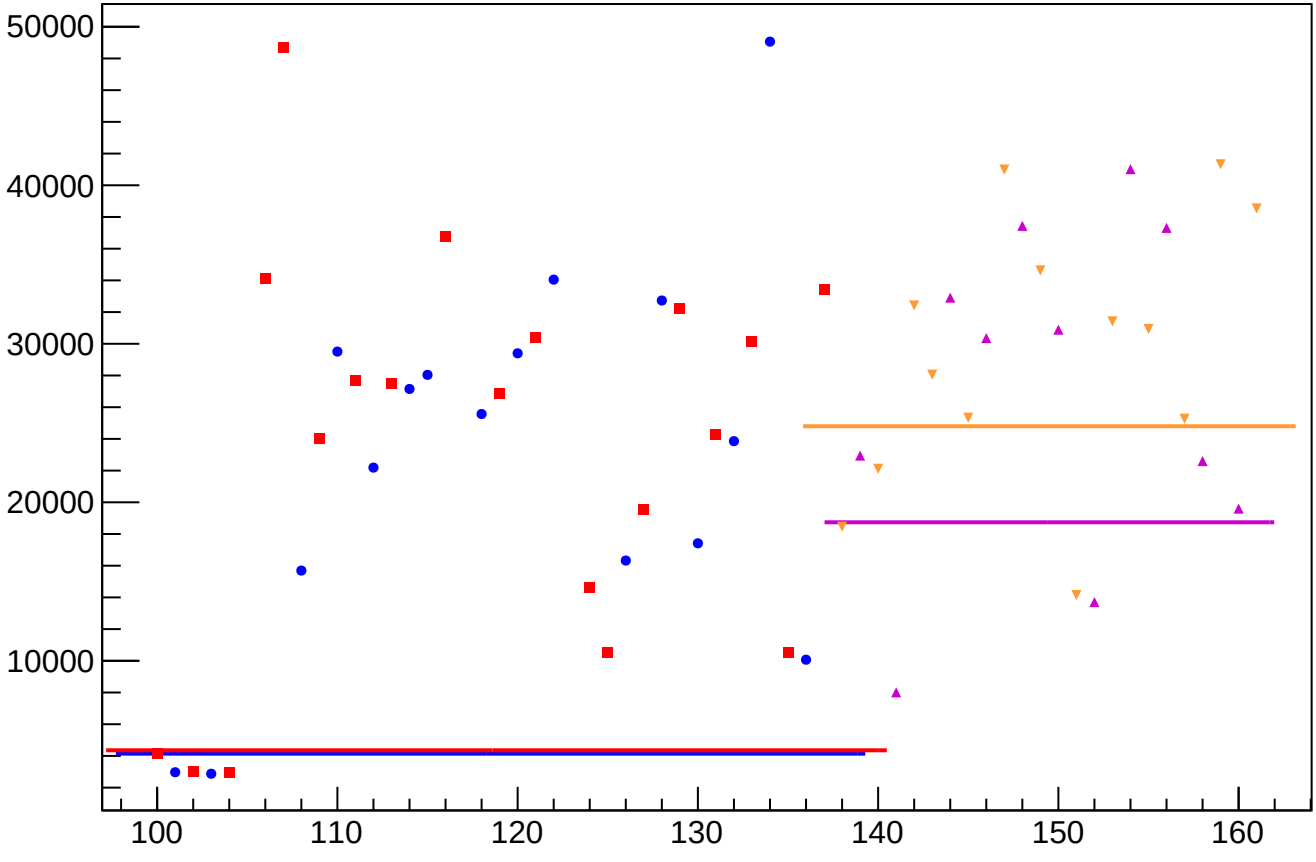
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.777+/-2.378 χ^2/NDF:37.7/26

Out: -1.997+/-2.527 χ^2/NDF:47.4/31

All: -4.532+/-1.732 χ^2/NDF: 87.0/58

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24798.885+/-6.182 χ^2/NDF:1807346.3/12

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 18739.276+/-5.465 χ^2/NDF:3526344.8/10

Left: 21397.693+/-4.094 χ^2/NDF: 5873018.9/23

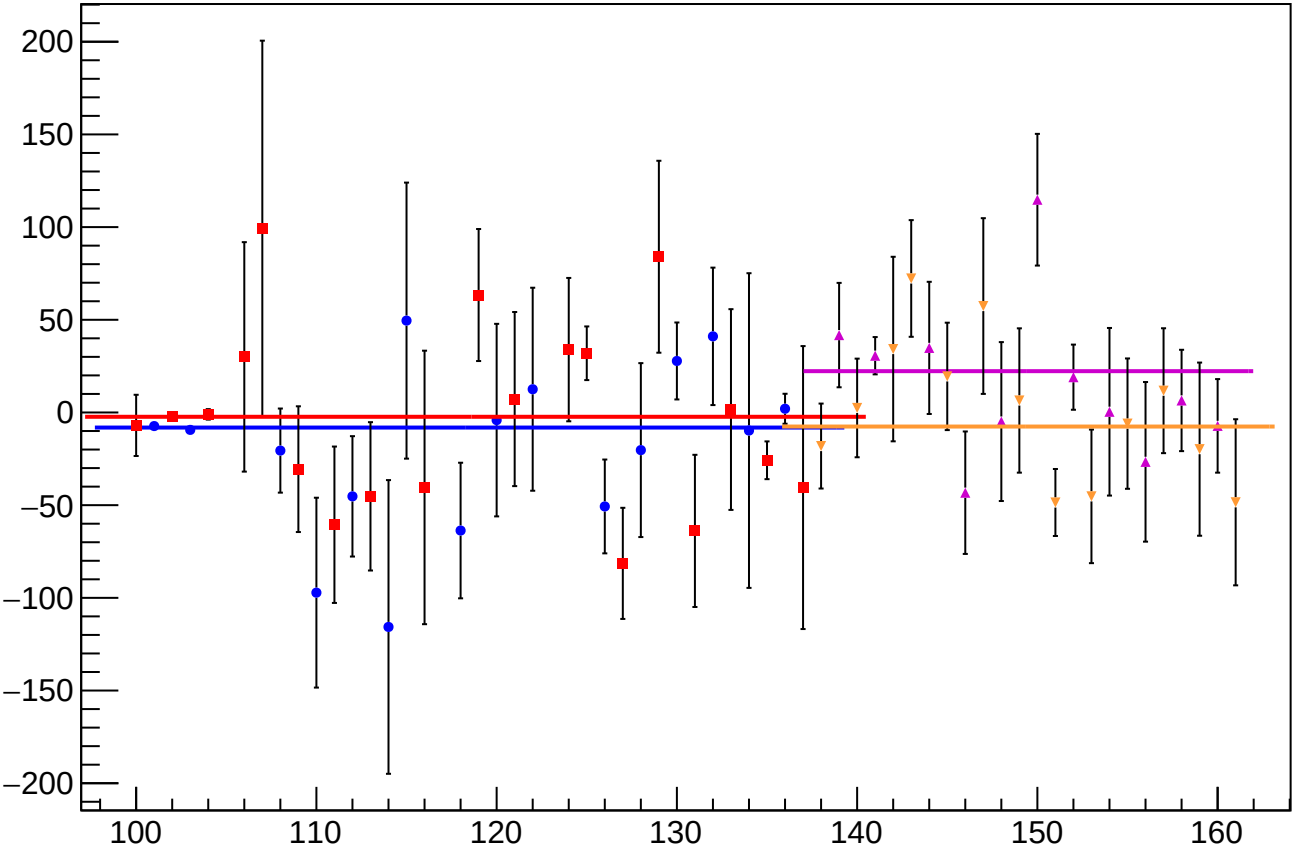
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5527.394+/-1.682 χ^2/NDF:16818483.3/26

Out: 6062.477+/-1.787 χ^2/NDF:19456060.3/31

All: 5778.720+/-1.225 χ^2/NDF: 36322101.3/5

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -7.589+/-8.604 χ^2/NDF:17.8/12

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 22.288+/-6.844 χ^2/NDF:15.7/10

Left: 10.711+/-5.356 χ^2/NDF: 40.9/23

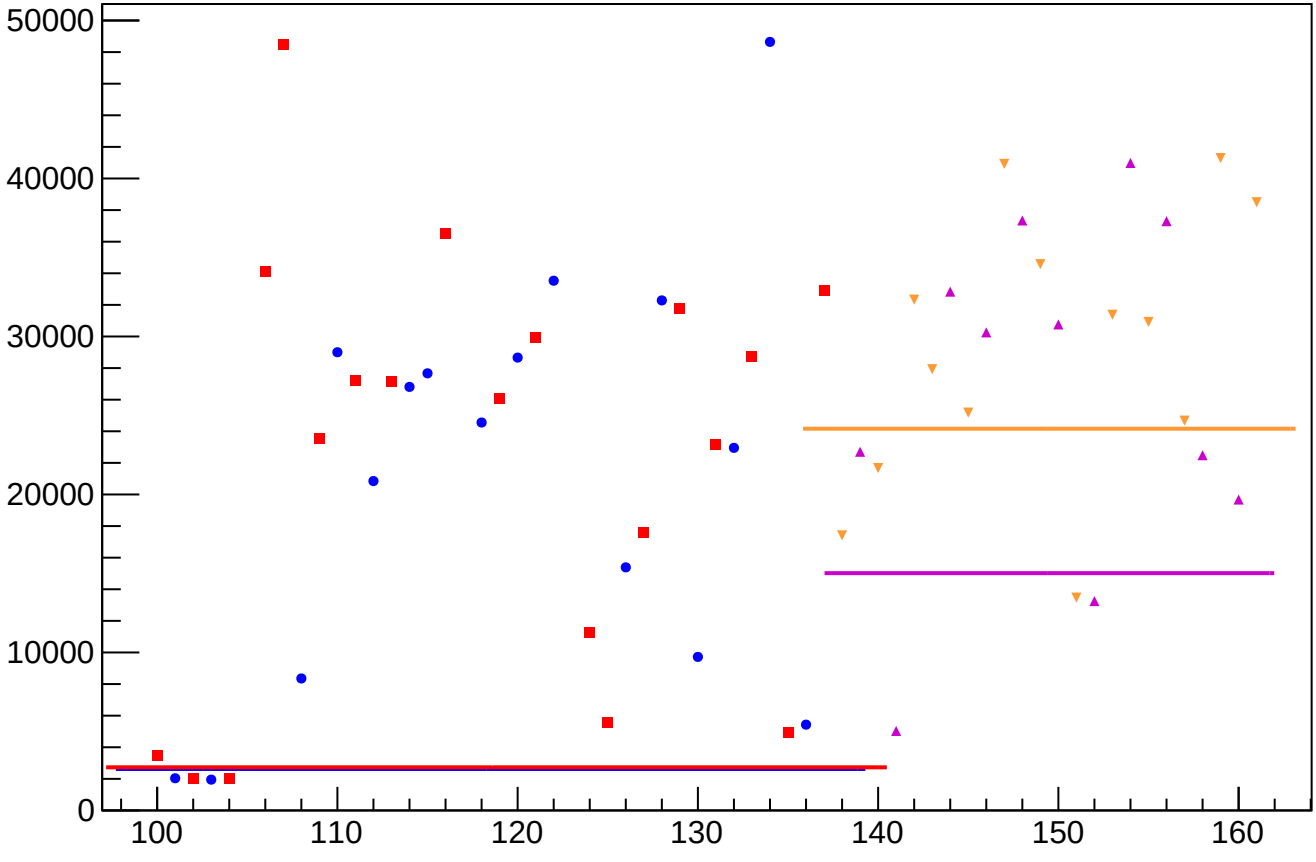
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.324+/-1.668 χ^2/NDF:53.4/26

Out: -2.551+/-1.782 χ^2/NDF:51.3/31

All: -4.562+/-1.218 χ^2/NDF: 107.0/58

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24161.675+/-6.084 χ^2/NDF:1997682.4/12

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15020.176+/-4.839 χ^2/NDF:5412848.6/10

Left: 18562.519+/-3.787 χ^2/NDF: 8793228.8/23

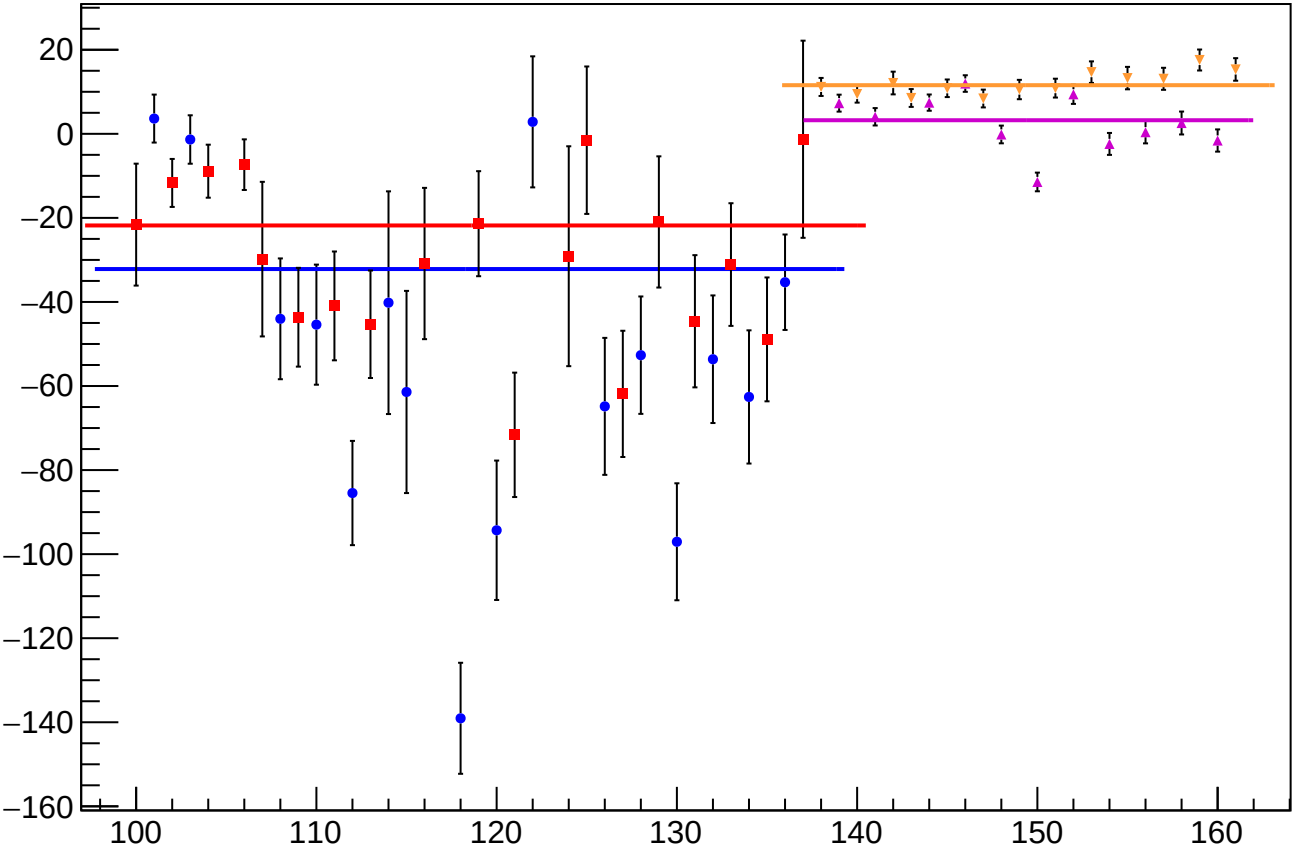
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3363.036+/-1.180 χ^2/NDF:18362718.7/26

Out: 3649.627+/-1.260 χ^2/NDF:21859050.9/31

All: 3496.901+/-0.861 χ^2/NDF: 40249331.8/5

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.571+/-0.646 χ^2/NDF:15.8/12

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.234+/-0.676 χ^2/NDF:91.3/10

Left: 7.590+/-0.467 χ^2/NDF: 186.6/23

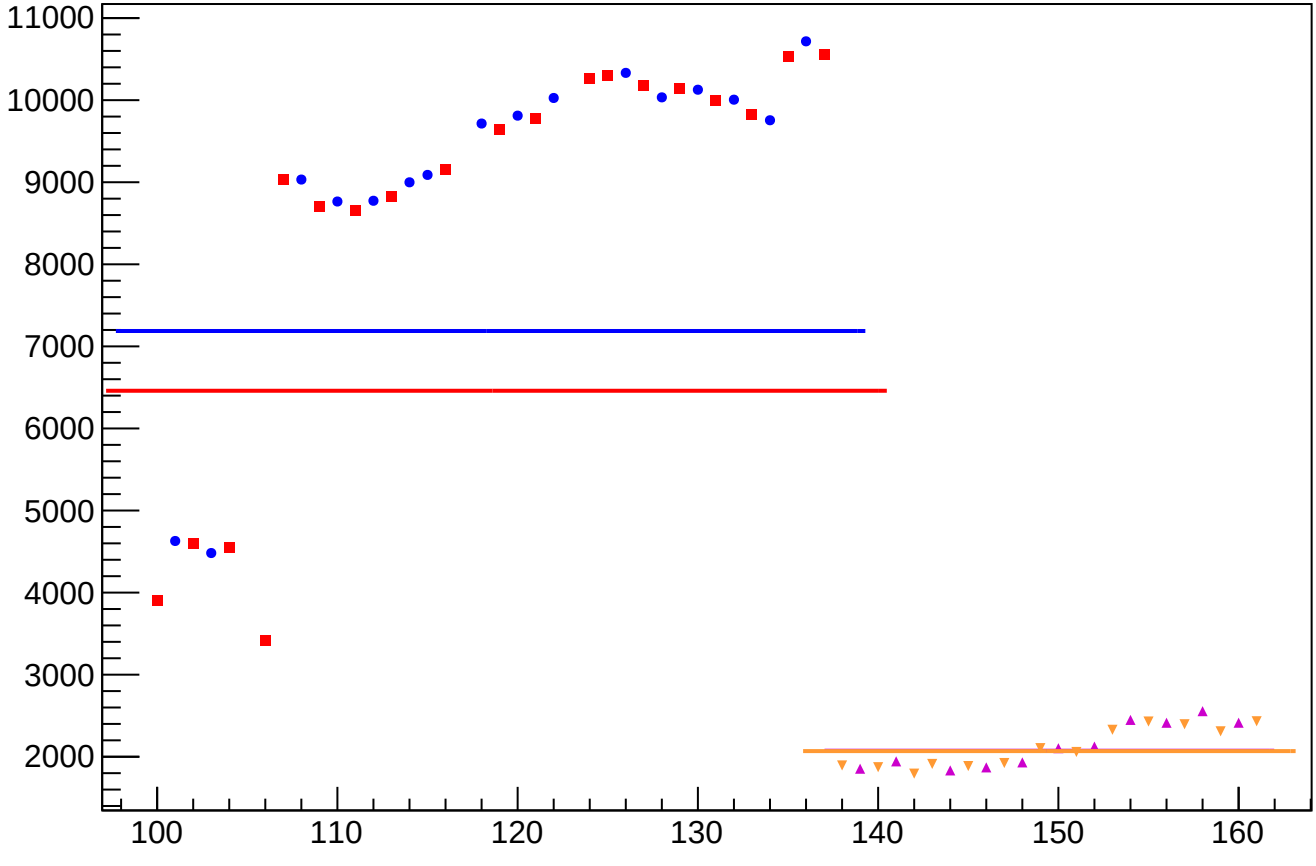
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.338+/-0.658 χ^2/NDF:446.0/26

Out: 9.568+/-0.627 χ^2/NDF:224.9/31

All: 5.652+/-0.454 χ^2/NDF: 753.0/58

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2068.834+/-0.457 χ^2/NDF:231994.1/12

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2073.483+/-0.478 χ^2/NDF:263861.2/10

Left: 2071.054+/-0.330 χ^2/NDF: 495904.7/23

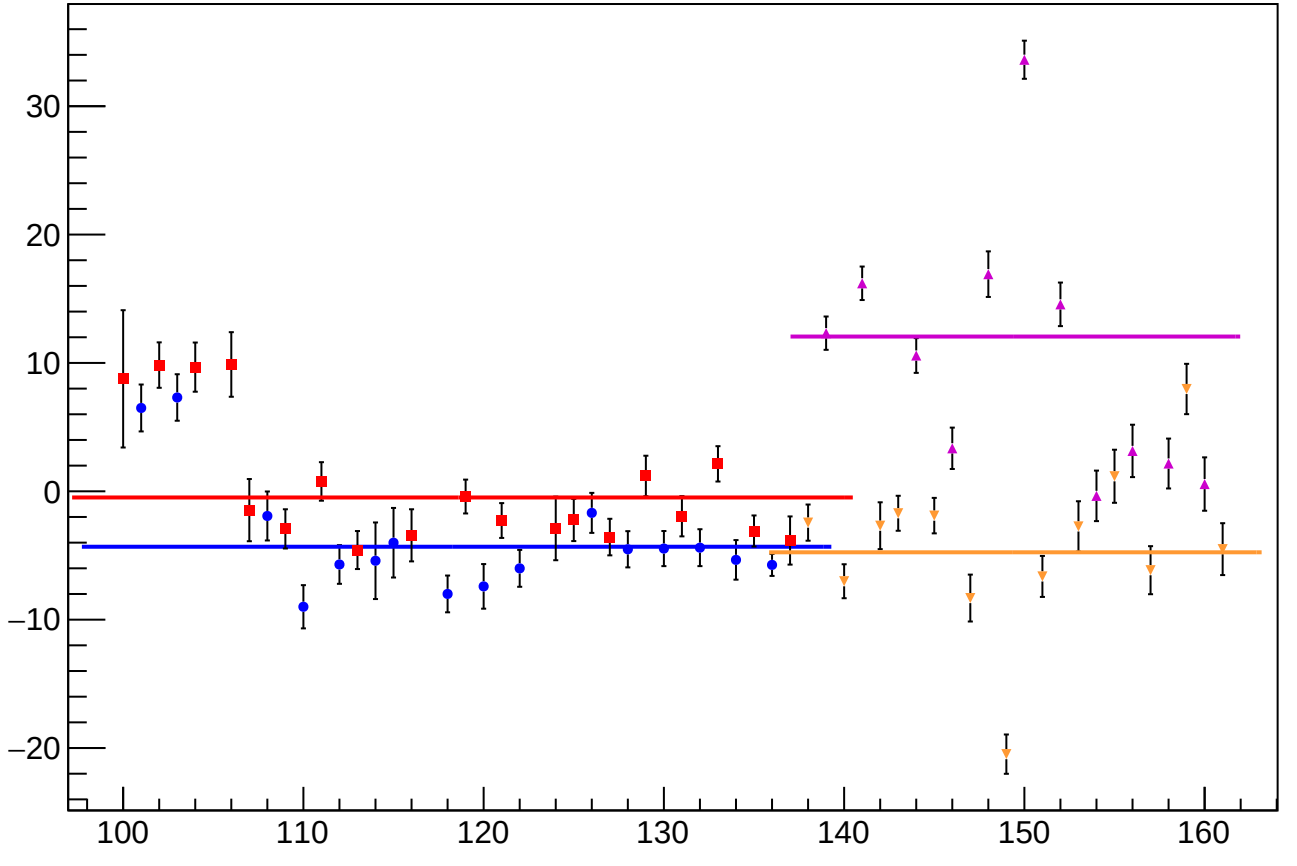
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2347.357+/-0.465 χ^2/NDF:8099810.6/26

Out: 2332.447+/-0.443 χ^2/NDF:8049376.4/31

All: 2339.542+/-0.321 χ^2/NDF: 16149725.9/5

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.752+/-0.455 χ^2/NDF:178.7/12

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.056+/-0.487 χ^2/NDF:376.2/10

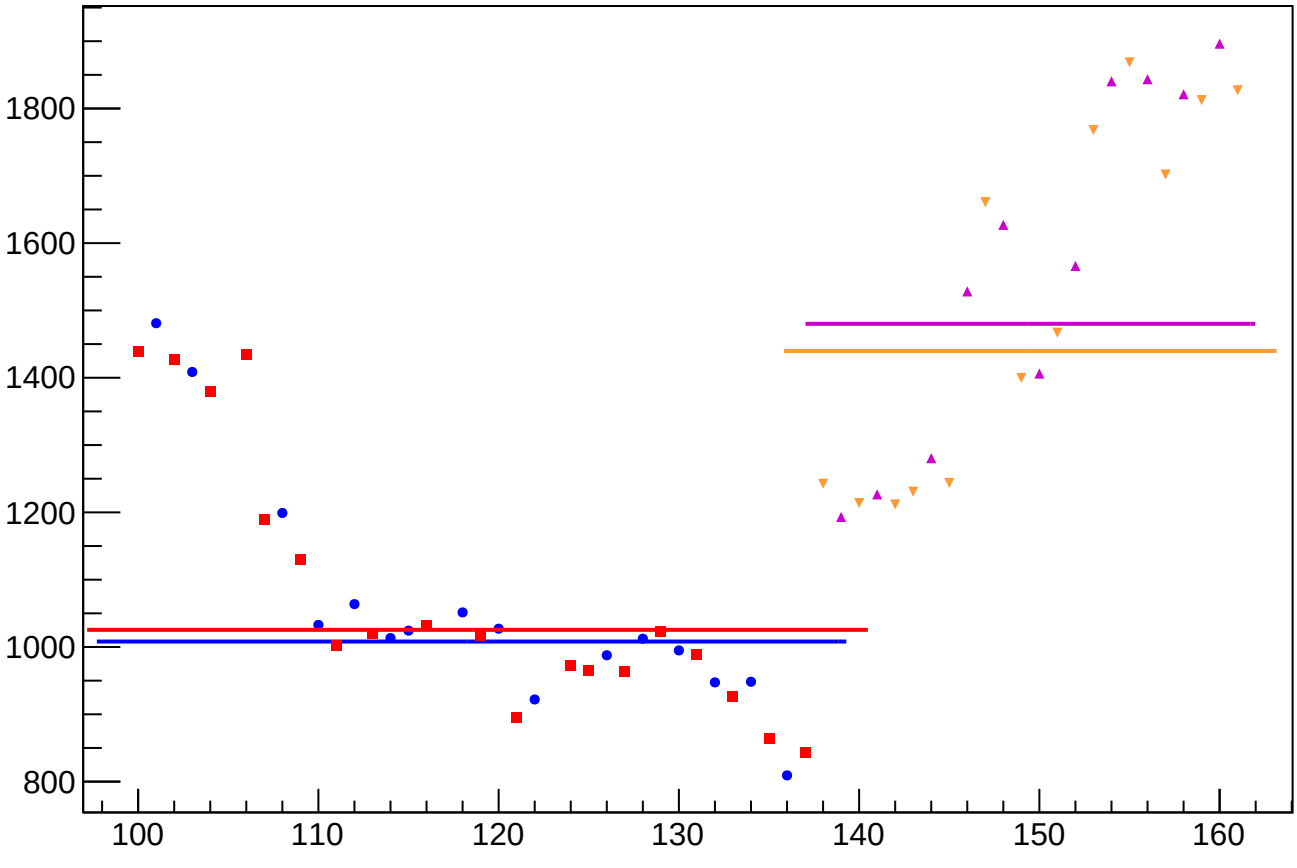
Left: 3.082+/-0.332 χ^2/NDF: 1192.2/23

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.880+/-0.299 χ^2/NDF:1183.9/26

Out: -2.231+/-0.291 χ^2/NDF:348.0/31

All: -0.234+/-0.209 χ^2/NDF: 1628.9/58



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1439.776+/-0.321 χ^2/NDF:574308.5/12

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1480.138+/-0.344 χ^2/NDF:514513.9/10

Left: 1458.588+/-0.235 χ^2/NDF: 1096171.8/23

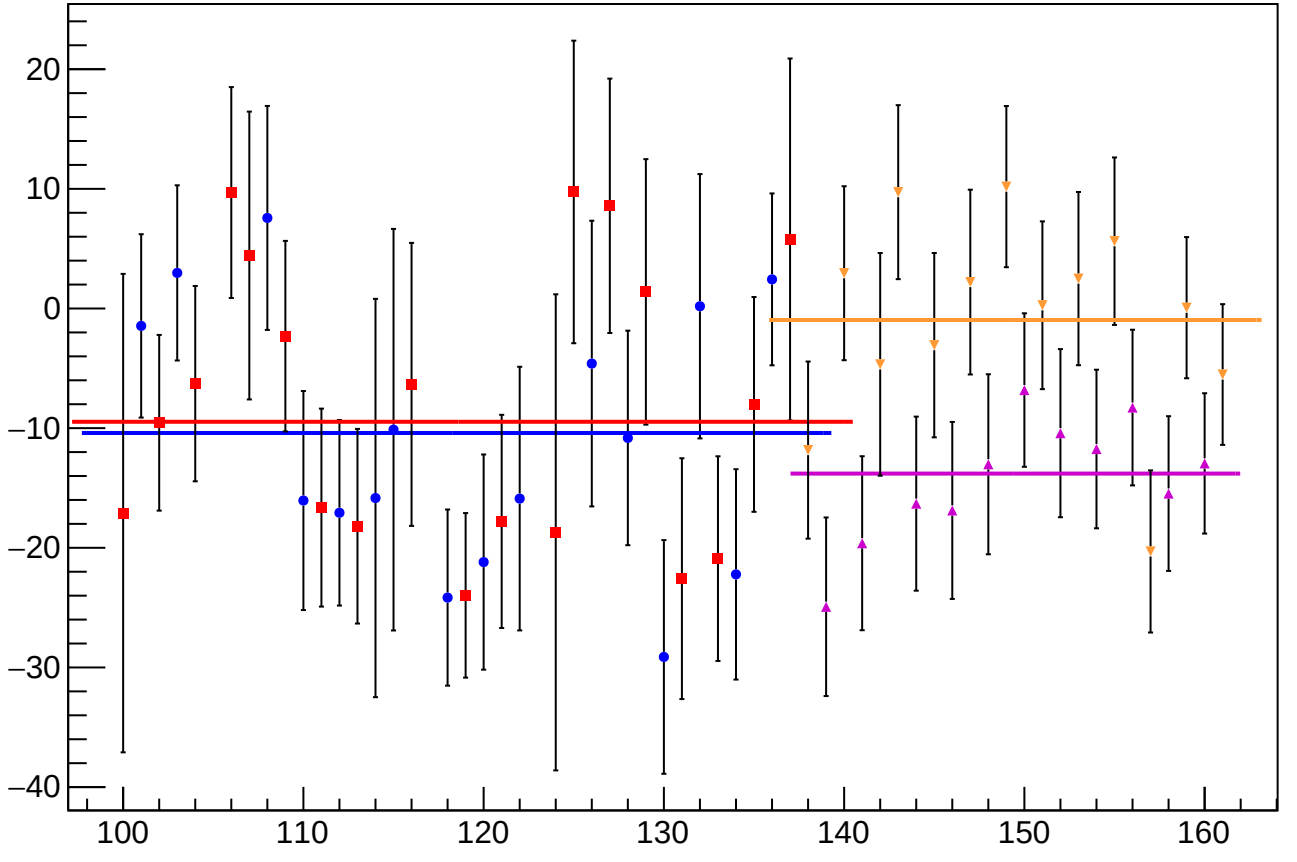
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1186.815+/-0.212 χ^2/NDF:2063215.1/26

Out: 1195.196+/-0.206 χ^2/NDF:1901033.7/31

All: 1191.125+/-0.148 χ^2/NDF: 3965055.0/58

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.960+/-1.951 χ^2/NDF:17.7/12

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -13.796+/-2.060 χ^2/NDF:5.5/10

Left: -7.032+/-1.417 χ^2/NDF: 43.6/23

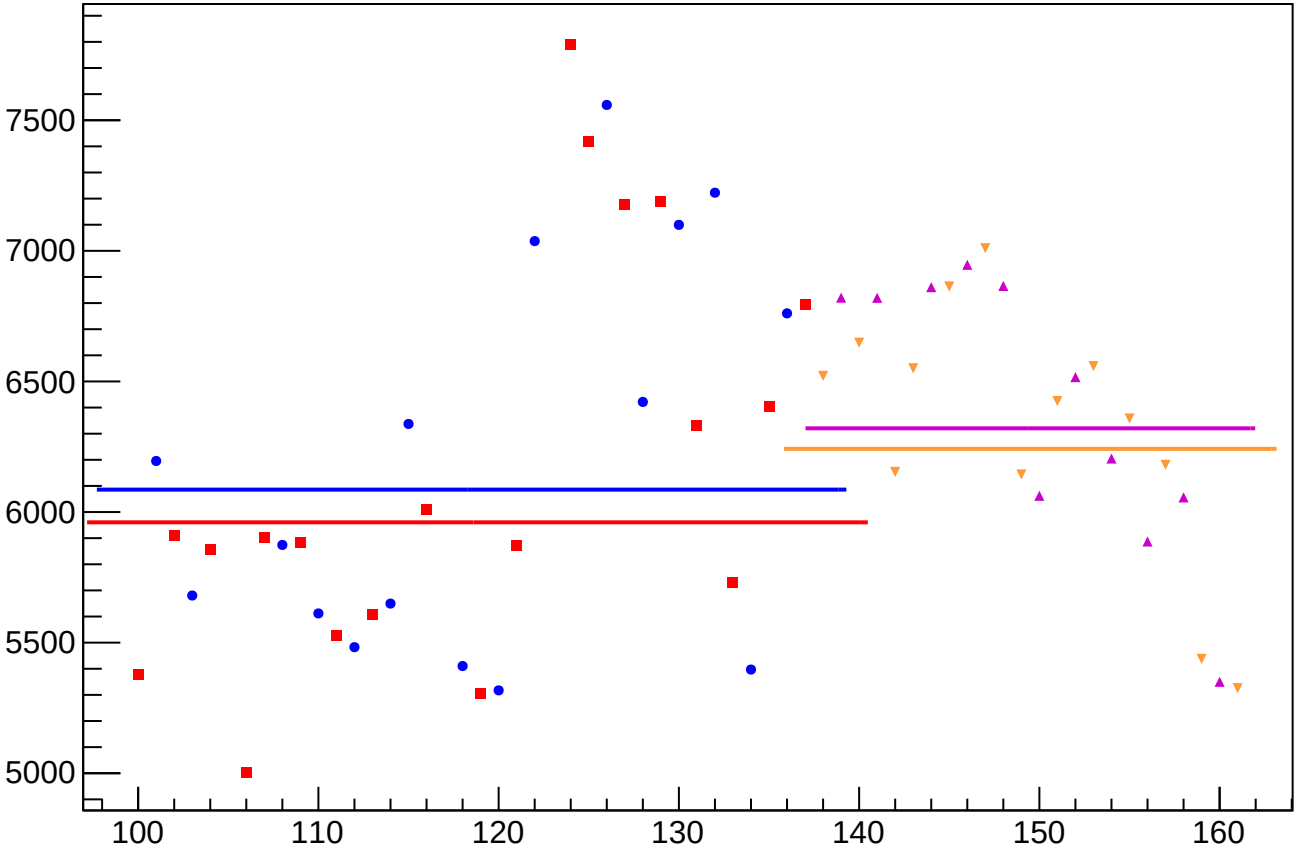
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.272+/-1.528 χ^2/NDF:31.3/26

Out: -4.723+/-1.457 χ^2/NDF:51.4/31

All: -8.318+/-1.055 χ^2/NDF: 95.5/58

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6241.967+/-1.380 χ^2/NDF:137736.3/12

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6320.521+/-1.456 χ^2/NDF:126724.2/10

Left: 6279.124+/-1.002 χ^2/NDF: 265993.4/23

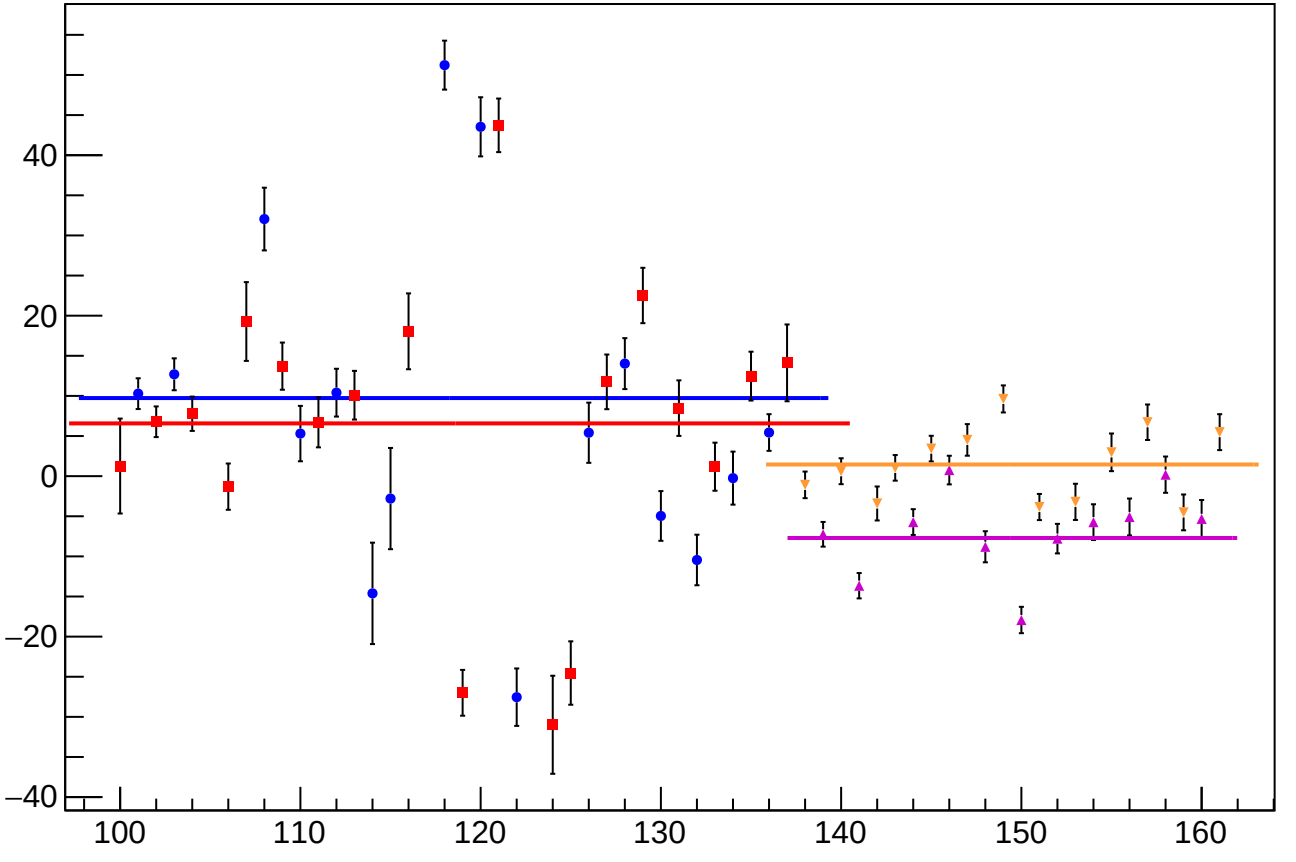
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6215.074+/-1.081 χ^2/NDF:317506.8/26

Out: 6117.499+/-1.030 χ^2/NDF:318900.6/31

All: 6163.960+/-0.746 χ^2/NDF: 640677.2/58

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.451+/-0.518 χ^2/NDF:66.7/12

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.707+/-0.557 χ^2/NDF:92.6/10

Left: -2.797+/-0.379 χ^2/NDF: 304.2/23

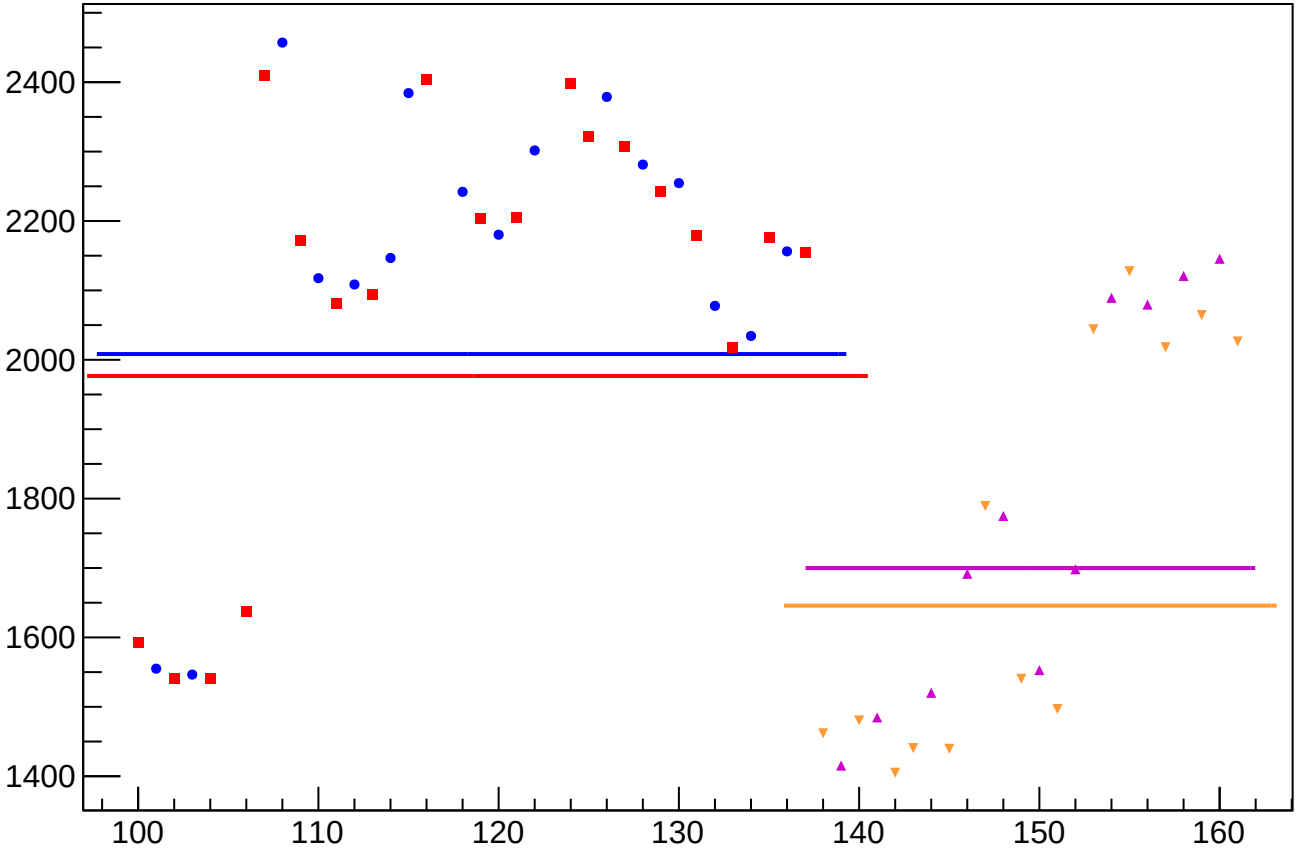
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.558+/-0.448 χ^2/NDF:950.5/26

Out: 3.167+/-0.423 χ^2/NDF:523.2/31

All: 0.943+/-0.308 χ^2/NDF: 1532.6/58

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1645.805+/-0.366 χ^2/NDF:504512.9/12

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1699.938+/-0.394 χ^2/NDF:406362.1/10

Left: 1670.918+/-0.268 χ^2/NDF: 920998.7/23

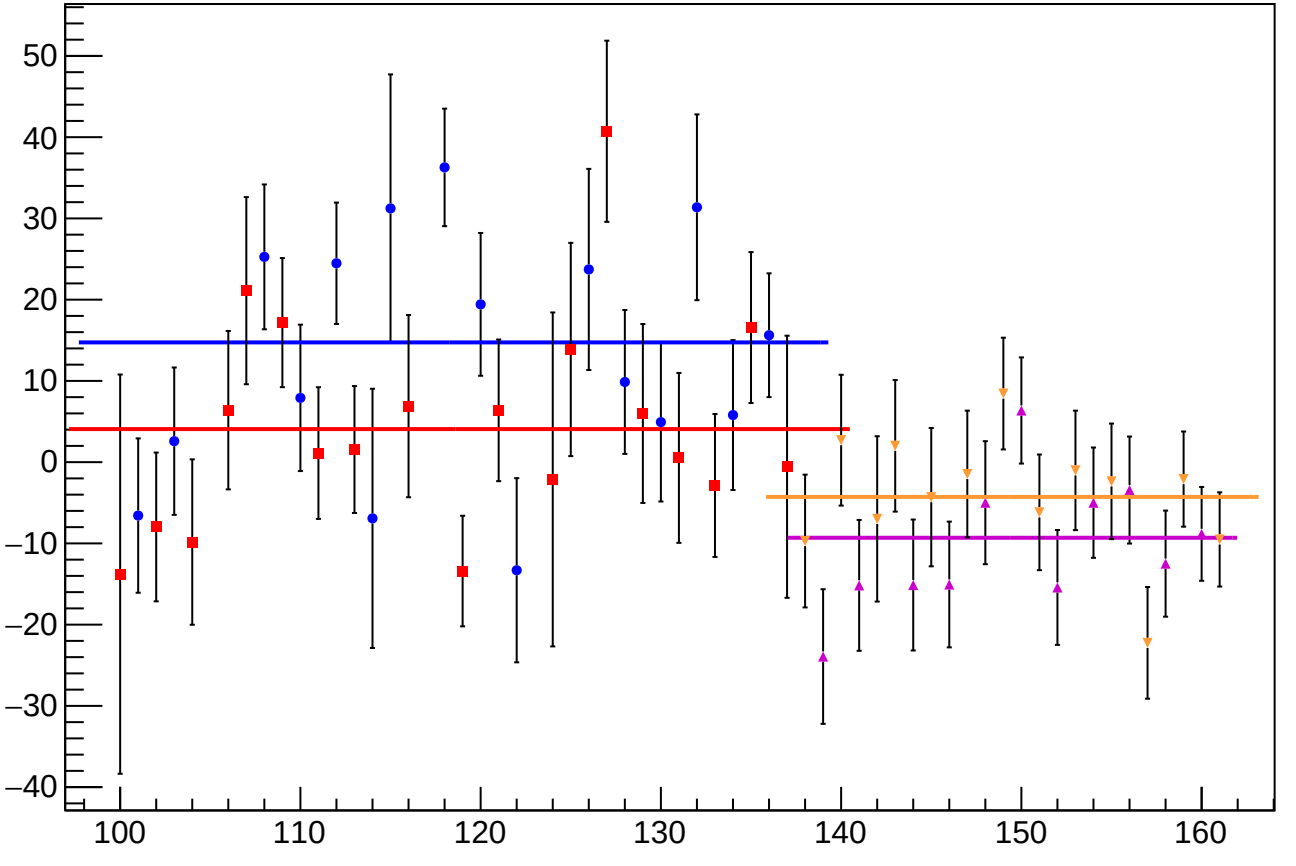
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1808.652+/-0.317 χ^2/NDF:966790.4/26

Out: 1756.611+/-0.299 χ^2/NDF:1142914.2/31

All: 1781.102+/-0.217 χ^2/NDF: 2123975.2/58

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.279+/-2.021 χ^2/NDF:13.6/12

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.308+/-2.126 χ^2/NDF:13.0/10

Left: -6.666+/-1.465 χ^2/NDF: 29.5/23

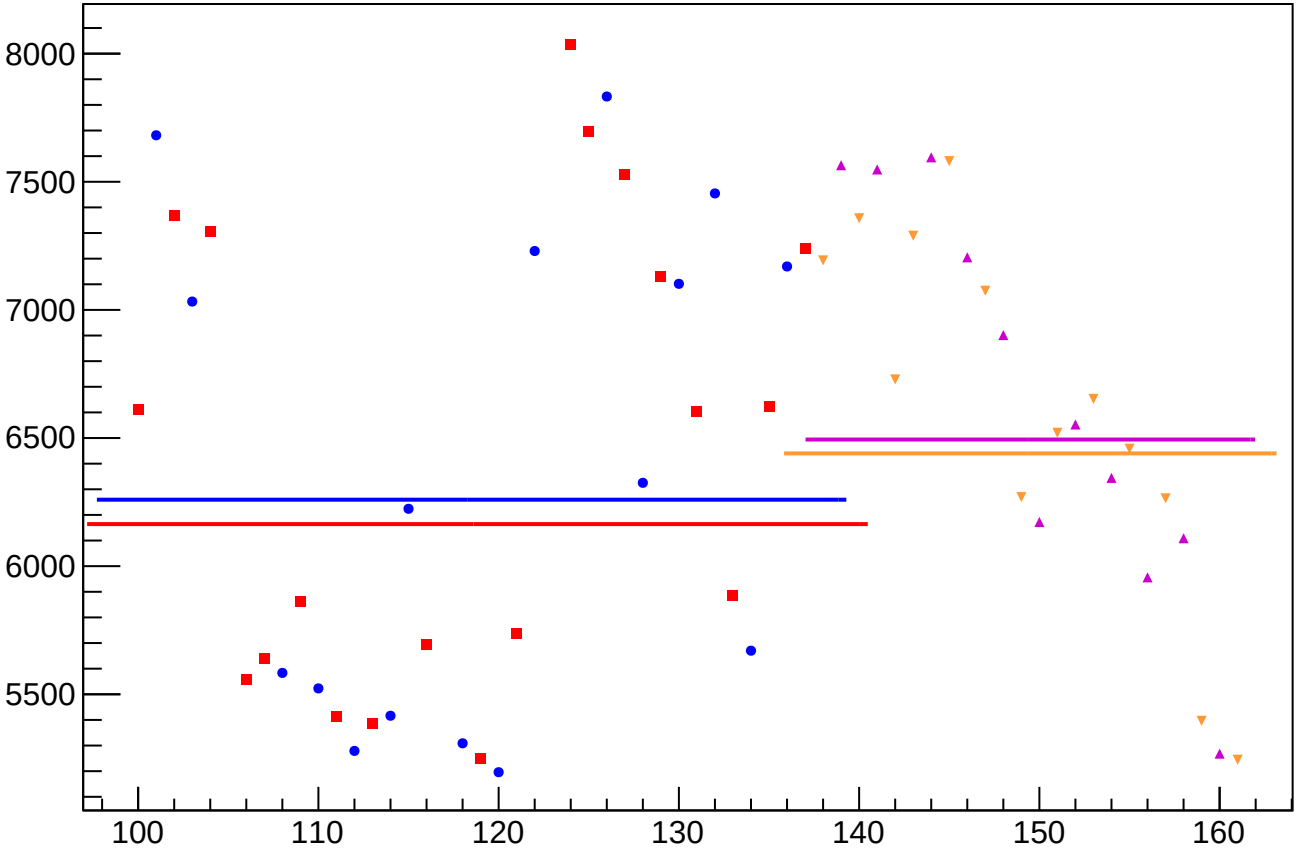
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 1.479+/-1.579 χ^2/NDF:103.9/26

Out: -0.593+/-1.511 χ^2/NDF:51.3/31

All: 0.397+/-1.092 χ^2/NDF: 156.0/58

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6440.013+/-1.429 χ^2/NDF:268620.6/12

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6494.179+/-1.504 χ^2/NDF:244021.3/10

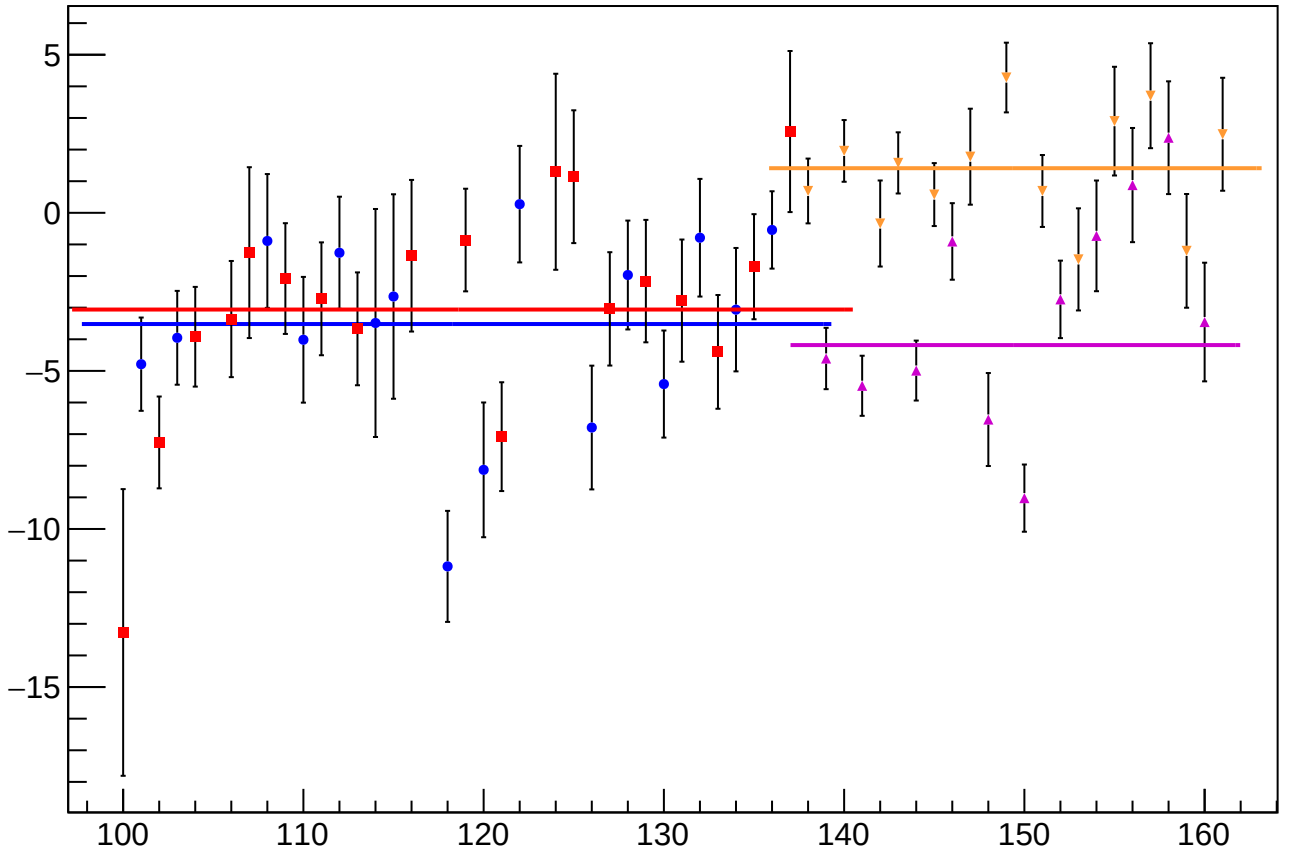
Left: 6465.723+/-1.036 χ^2/NDF: 513323.7/23

Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6388.869+/-1.117 χ^2/NDF:563563.2/26

Out: 6318.238+/-1.068 χ^2/NDF:550124.8/31

All: 6351.991+/-0.772 χ^2/NDF: 1115777.2/58



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.411+/-0.346 χ^2/NDF:18.7/12

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.183+/-0.372 χ^2/NDF:60.2/10

Left: -1.180+/-0.253 χ^2/NDF: 200.1/23

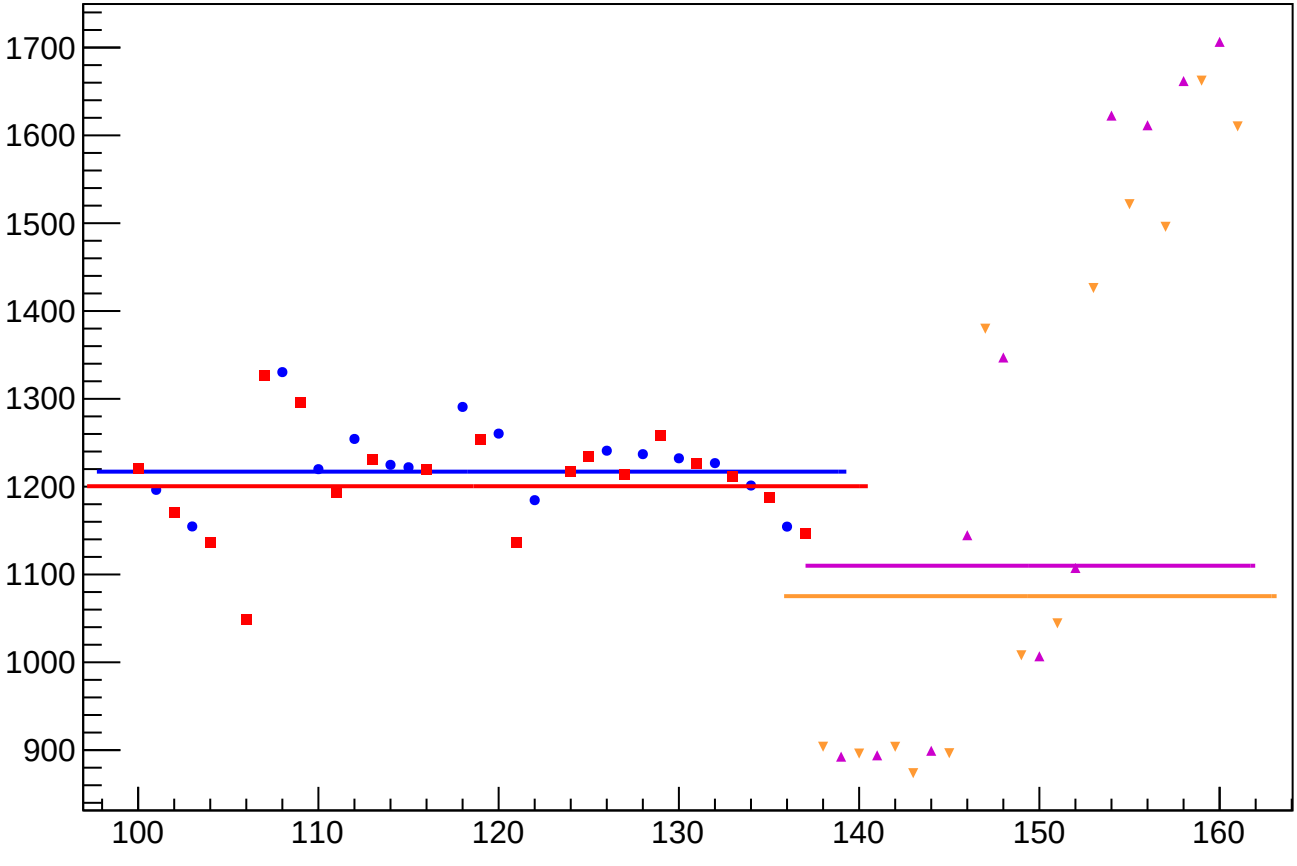
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.915+/-0.288 χ^2/NDF:106.6/26

Out: -0.305+/-0.272 χ^2/NDF:117.6/31

All: -2.006+/-0.197 χ^2/NDF: 307.5/58

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1075.317+/-0.245 χ^2/NDF:1145990.1/12

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1109.967+/-0.263 χ^2/NDF:1094214.4/10

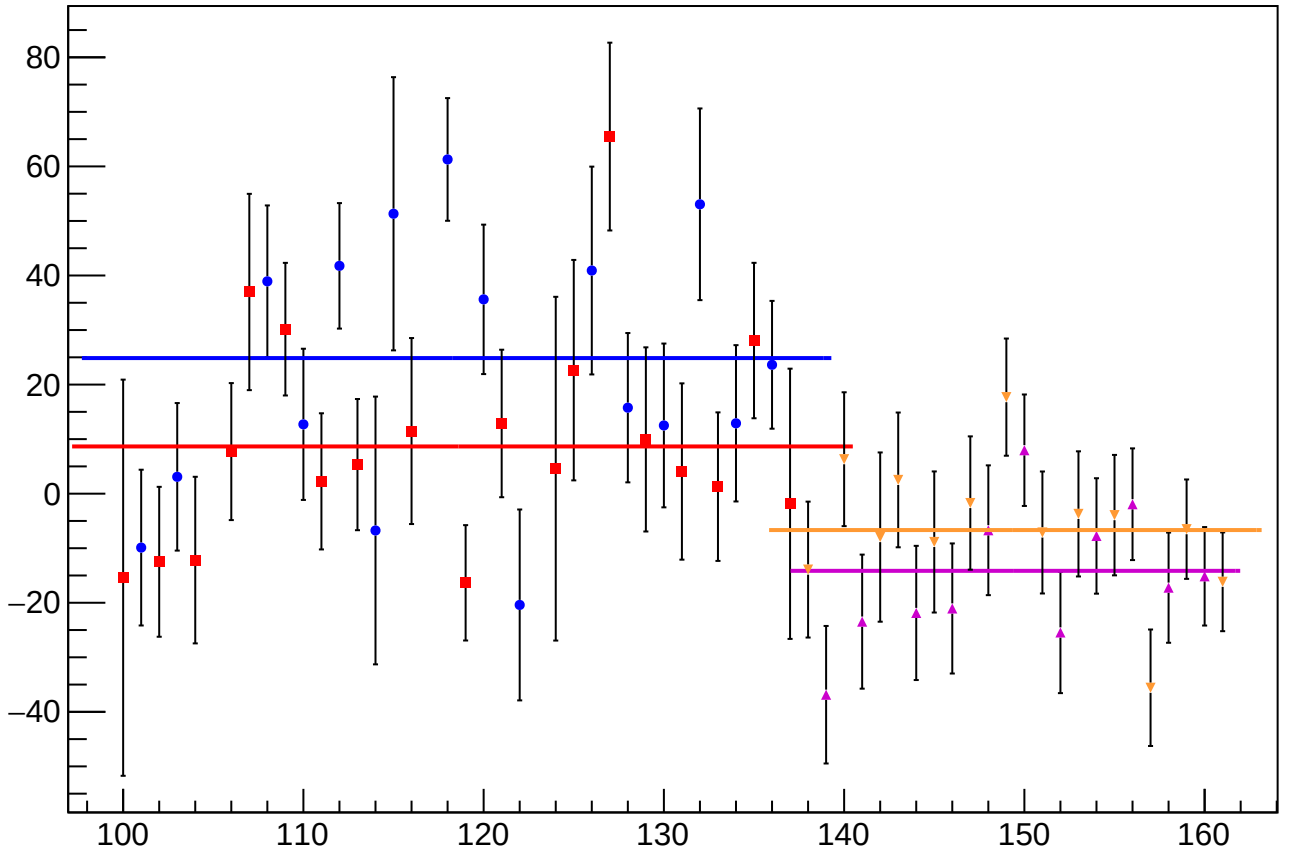
Left: 1091.365+/-0.179 χ^2/NDF: 2249498.0/23

Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1153.242+/-0.203 χ^2/NDF:1182741.2/26

Out: 1123.359+/-0.192 χ^2/NDF:1284153.1/31

All: 1137.447+/-0.140 χ^2/NDF: 2478312.0/58



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.671+/-3.132 χ^2/NDF:15.9/12

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -14.147+/-3.300 χ^2/NDF:12.5/10

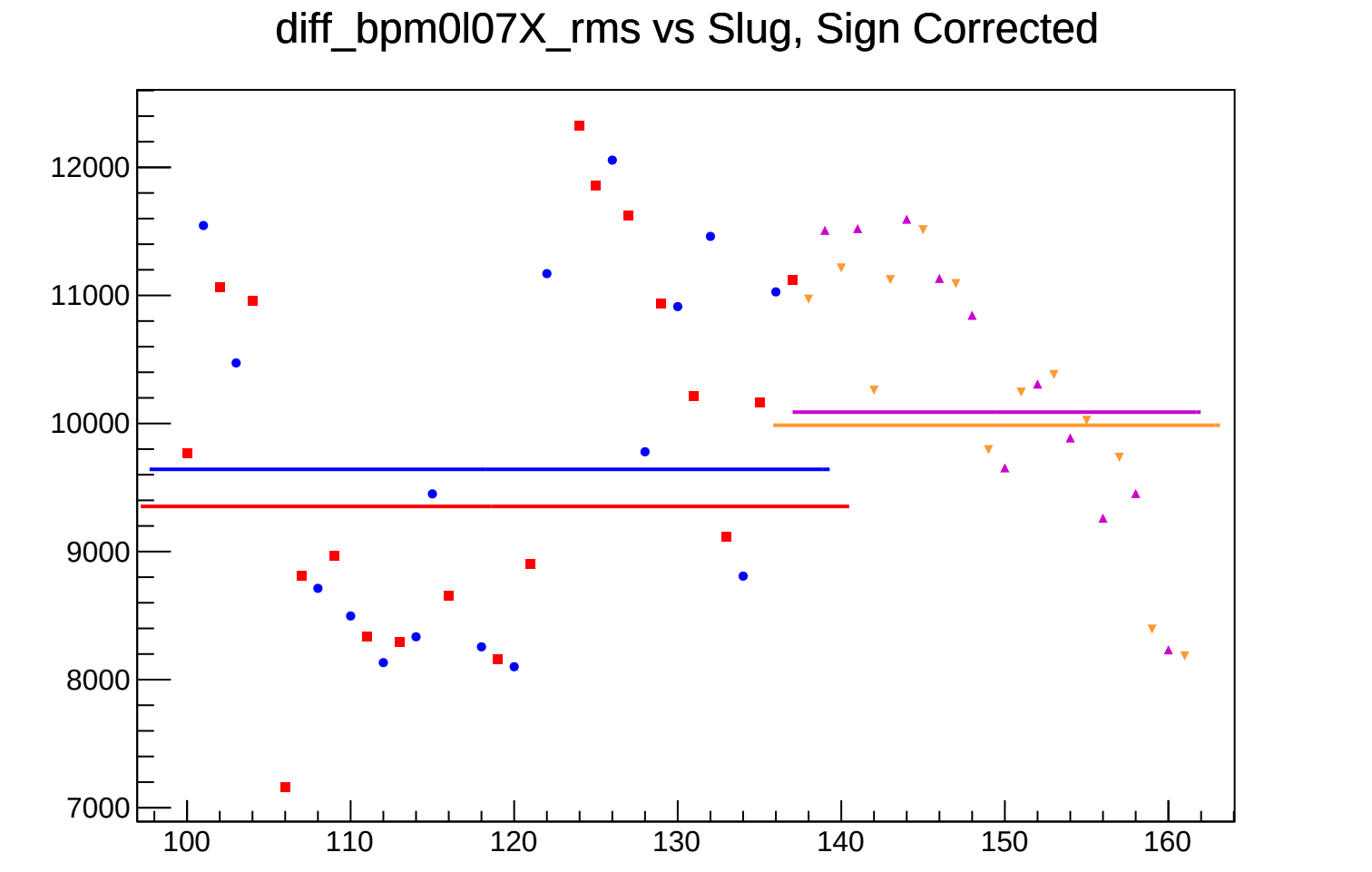
Left: -10.214+/-2.272 χ^2/NDF: 31.2/23

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 3.516+/-2.441 χ^2/NDF:113.9/26

Out: 0.247+/-2.320 χ^2/NDF:56.9/31

All: 1.798+/-1.682 χ^2/NDF: 171.7/58



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9986.351+/-2.215 χ^2/NDF:239696.9/12

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10088.594+/-2.334 χ^2/NDF:216620.8/10

Left: 10034.803+/-1.606 χ^2/NDF: 457327.6/23

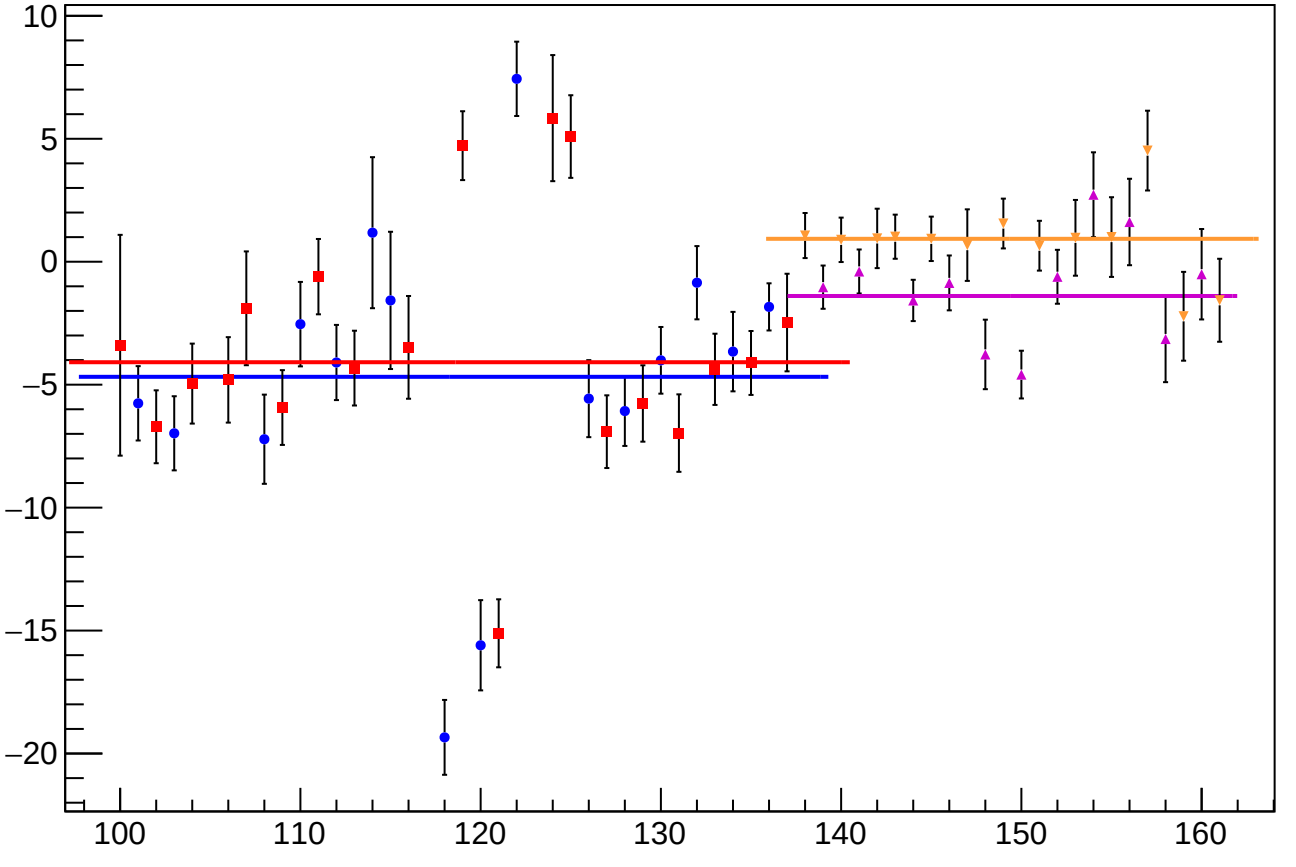
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9886.406+/-1.726 χ^2/NDF:512855.9/26

Out: 9700.296+/-1.641 χ^2/NDF:578439.2/31

All: 9788.619+/-1.189 χ^2/NDF: 1097402.4/58

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.932+/-0.319 χ^2/NDF:10.6/12

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.394+/-0.344 χ^2/NDF:25.7/10

Left: -0.142+/-0.234 χ^2/NDF: 60.9/23

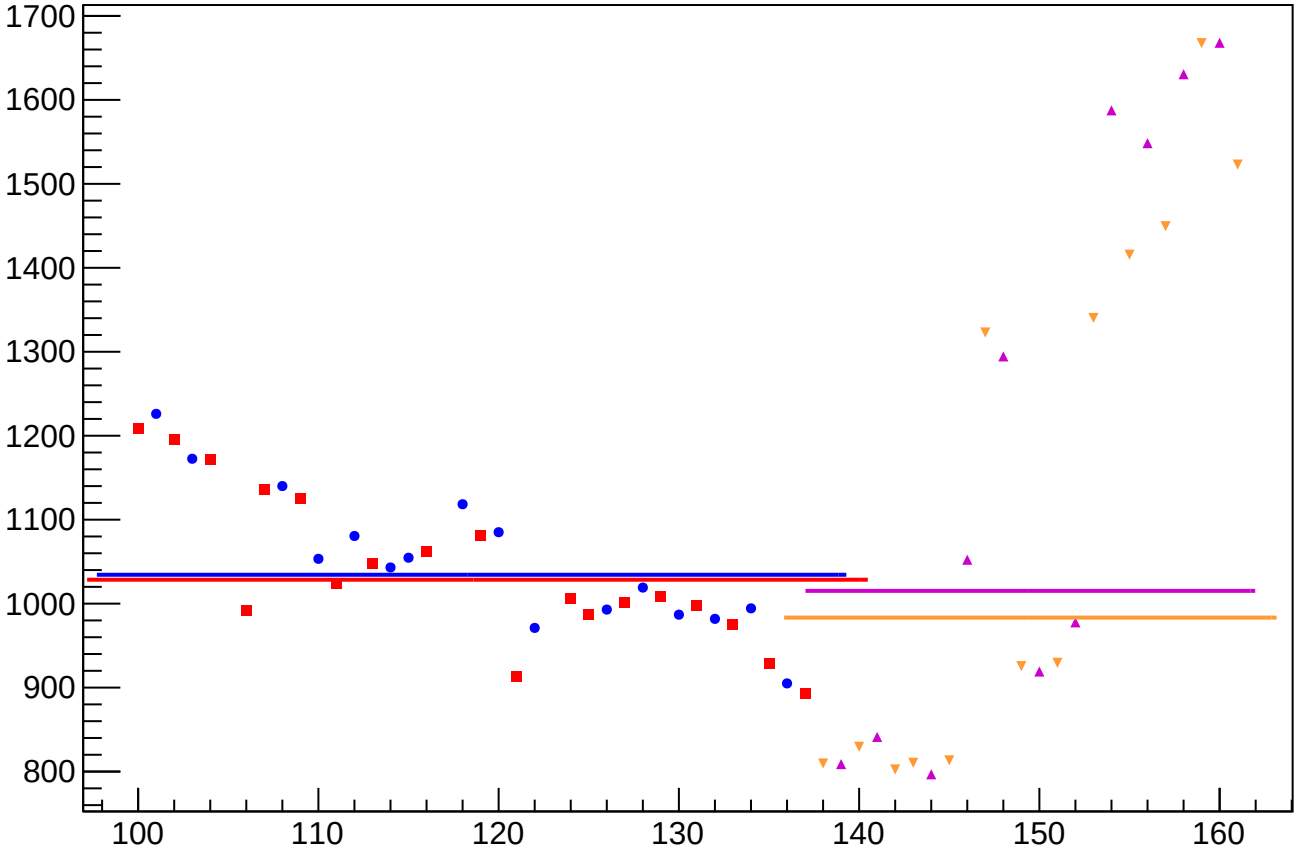
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.850+/-0.257 χ^2/NDF:287.3/26

Out: -1.166+/-0.243 χ^2/NDF:282.2/31

All: -1.963+/-0.177 χ^2/NDF: 592.2/58

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 983.386+/-0.226 χ^2/NDF:1347321.6/12

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1015.223+/-0.243 χ^2/NDF:1325629.4/10

Left: 998.092+/-0.165 χ^2/NDF: 2682157.0/23

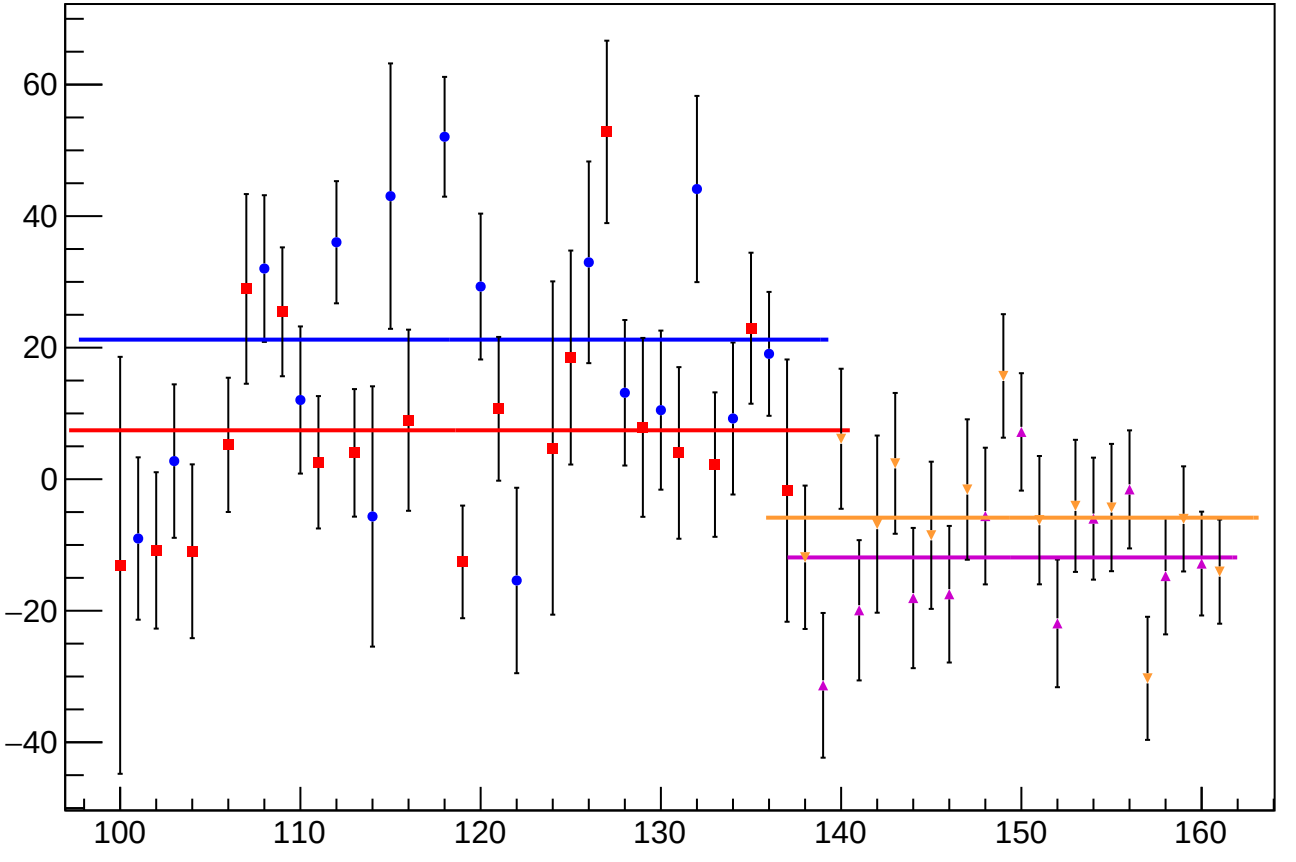
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1023.724+/-0.182 χ^2/NDF:1441660.3/26

Out: 1002.240+/-0.172 χ^2/NDF:1465671.7/31

All: 1012.402+/-0.125 χ^2/NDF: 2914706.6/58

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.849+/-2.735 χ^2/NDF:15.6/12

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -11.895+/-2.883 χ^2/NDF:12.2/10

Left: -8.713+/-1.984 χ^2/NDF: 30.1/23

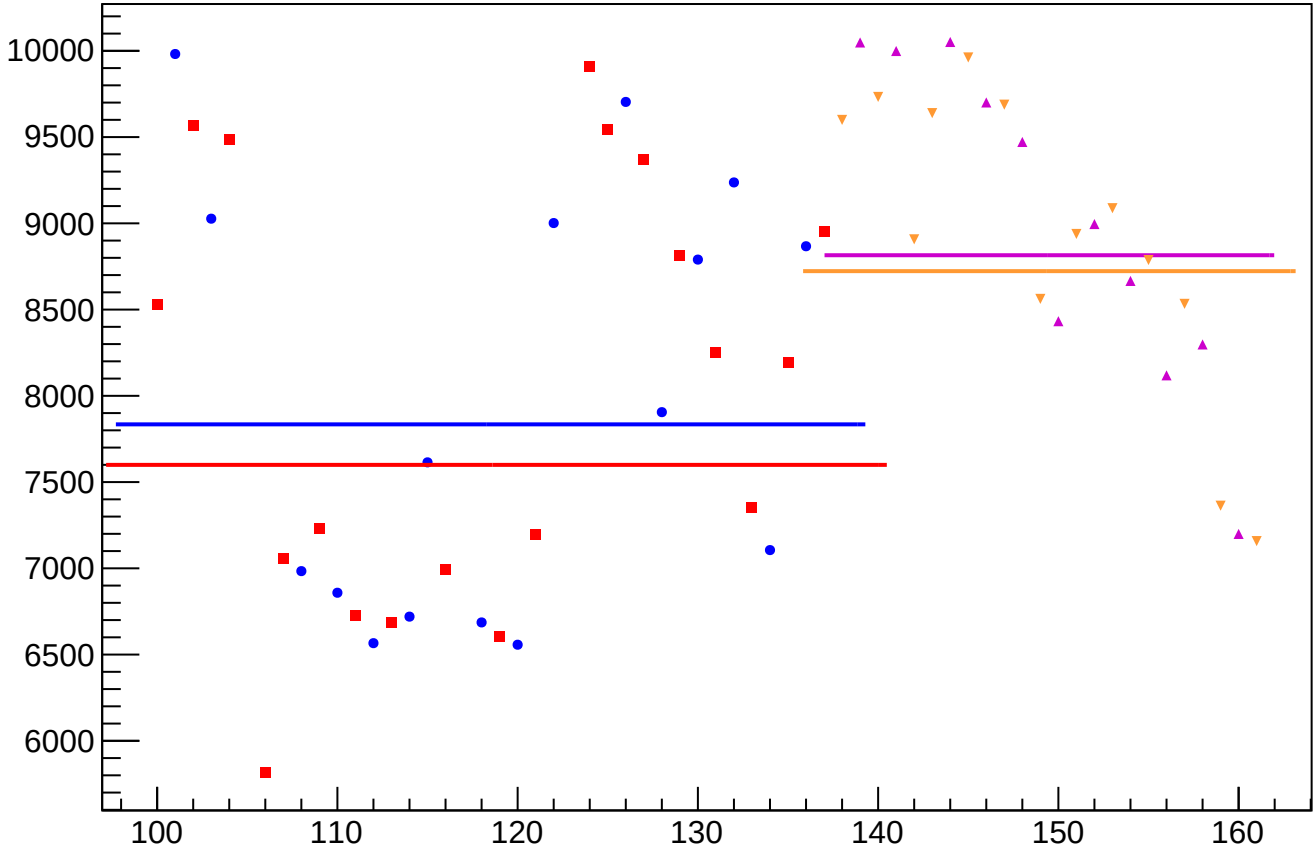
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 4.271+/-2.062 χ^2/NDF:116.7/26

Out: 0.613+/-1.960 χ^2/NDF:56.9/31

All: 2.349+/-1.421 χ^2/NDF: 175.2/58

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8722.883+/-1.934 χ^2/NDF:227895.9/12

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8815.123+/-2.038 χ^2/NDF:206725.0/10

Left: 8766.582+/-1.403 χ^2/NDF: 435698.6/23

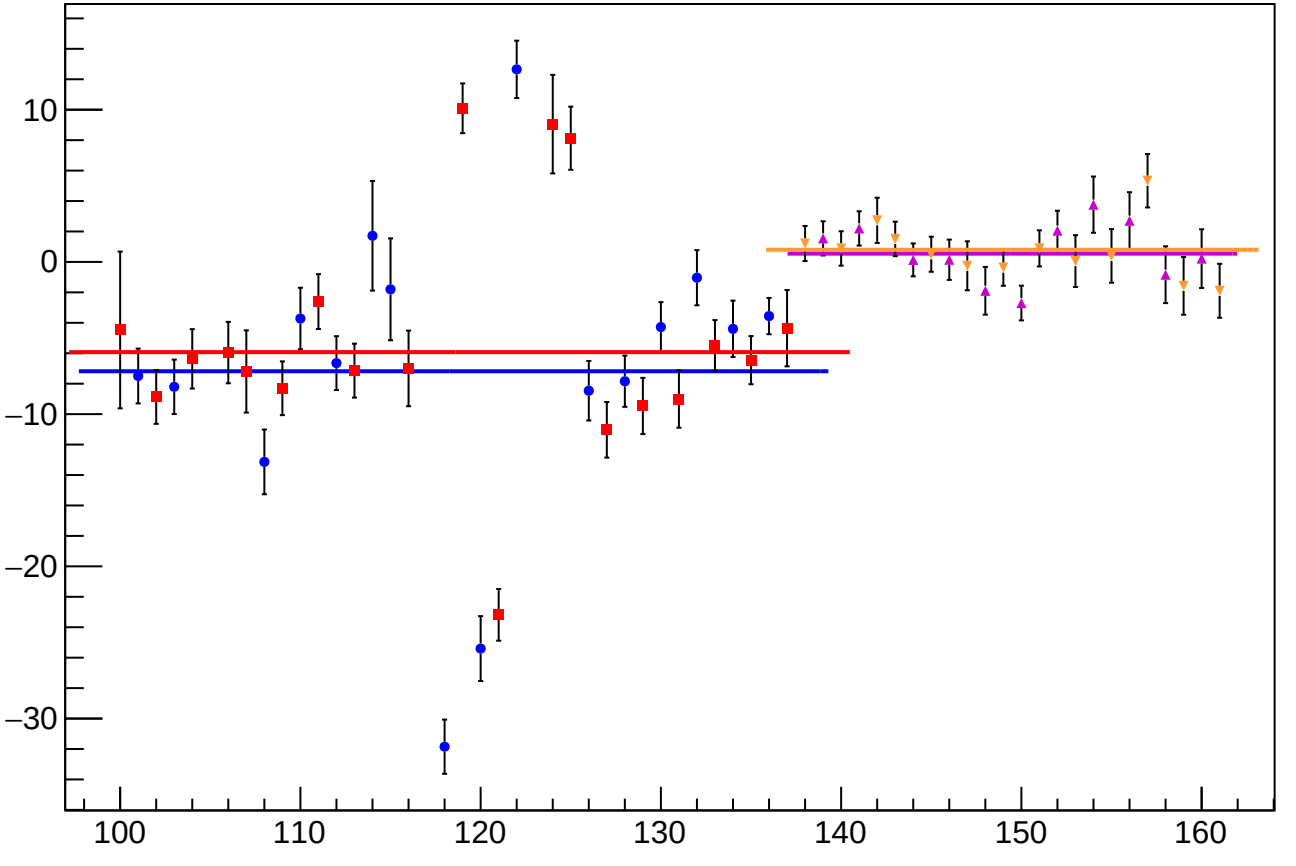
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8336.504+/-1.458 χ^2/NDF:637771.3/26

Out: 8176.561+/-1.386 χ^2/NDF:736247.8/31

All: 8252.467+/-1.005 χ^2/NDF: 1380339.6/58

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.798+/-0.380 χ^2/NDF:14.5/12

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.544+/-0.412 χ^2/NDF:20.0/10

Left: 0.681+/-0.279 χ^2/NDF: 34.7/23

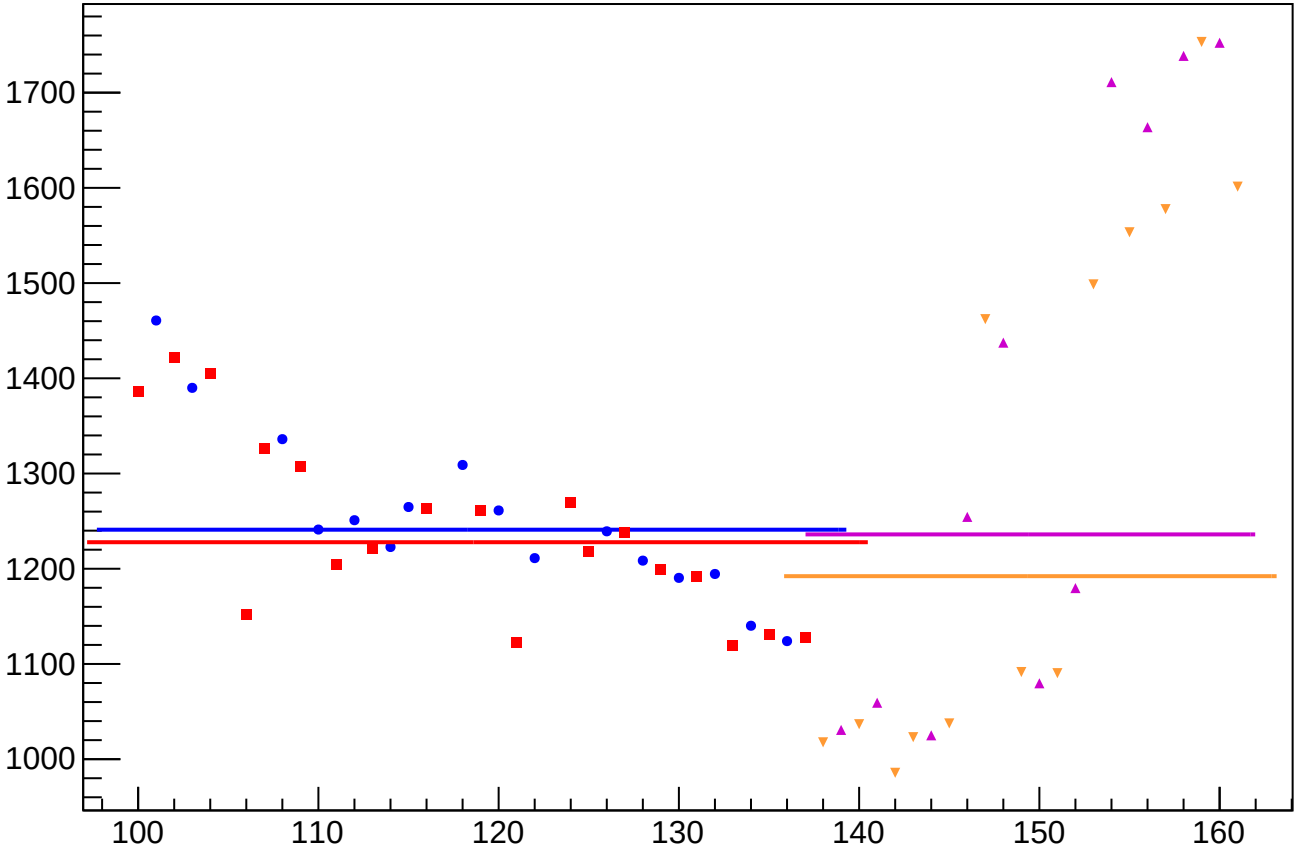
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.872+/-0.307 χ^2/NDF:598.1/26

Out: -2.012+/-0.290 χ^2/NDF:435.4/31

All: -2.417+/-0.211 χ^2/NDF: 1037.6/58

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1192.198+/-0.269 χ^2/NDF:815231.1/12

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1236.067+/-0.291 χ^2/NDF:791758.7/10

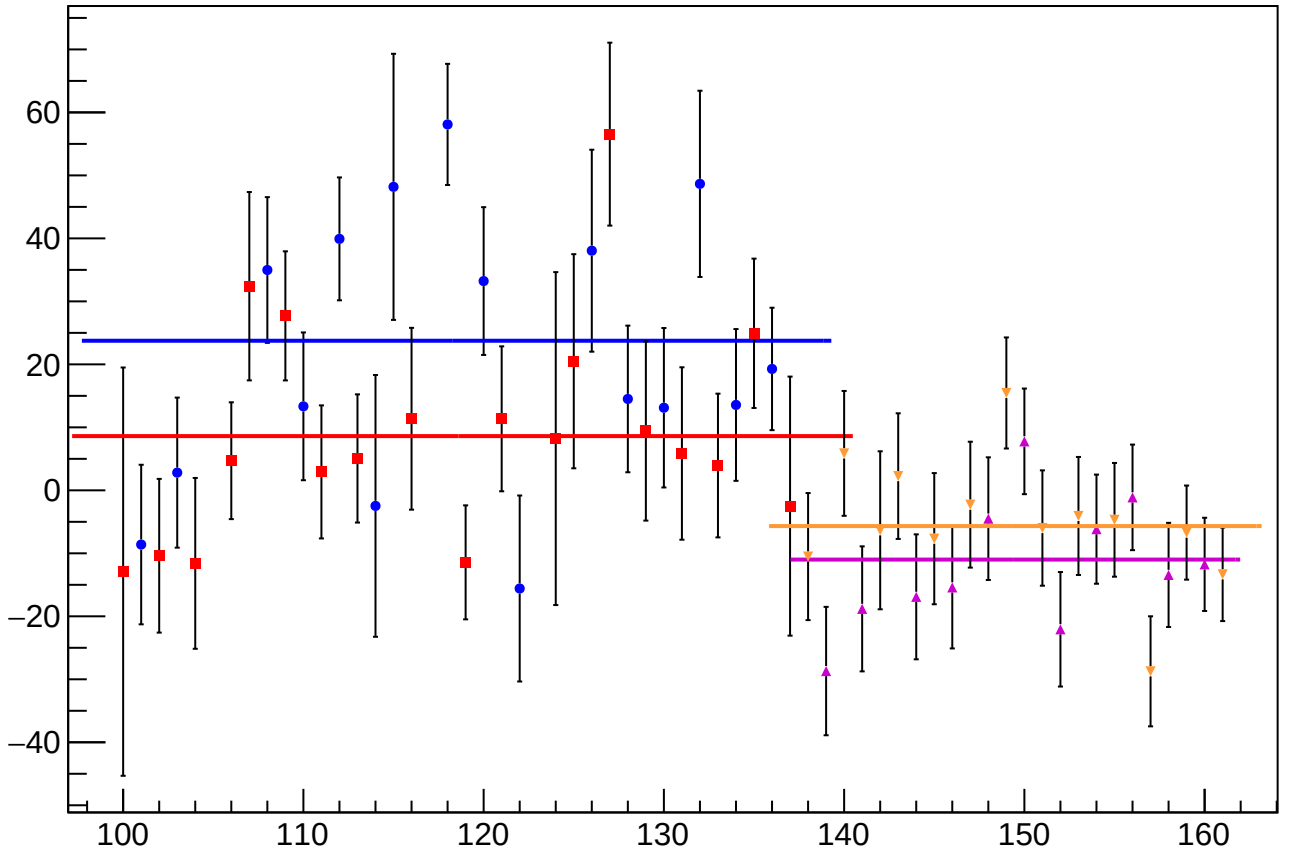
Left: 1212.416+/-0.198 χ^2/NDF: 1619244.0/23

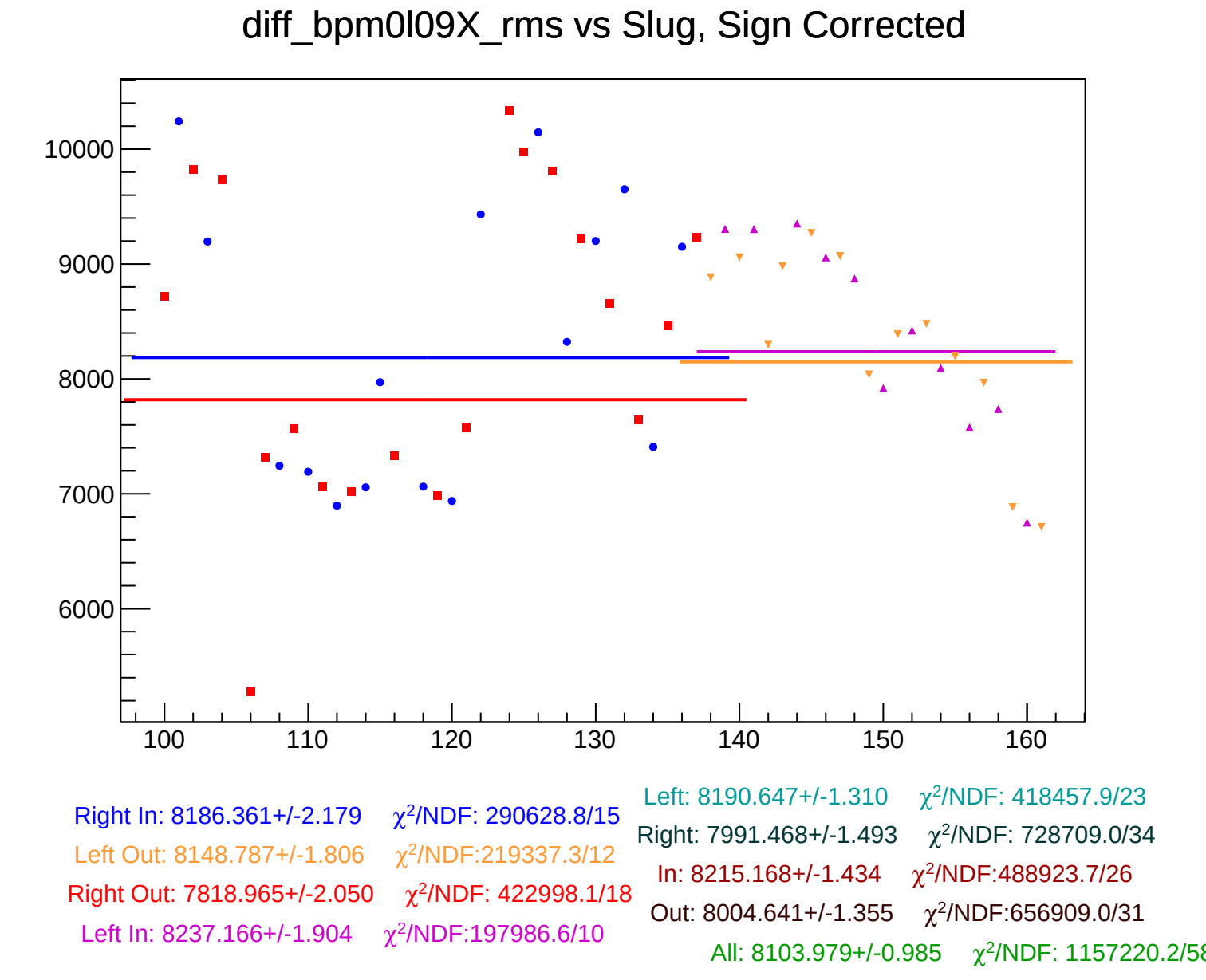
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1238.250+/-0.217 χ^2/NDF:872539.6/26

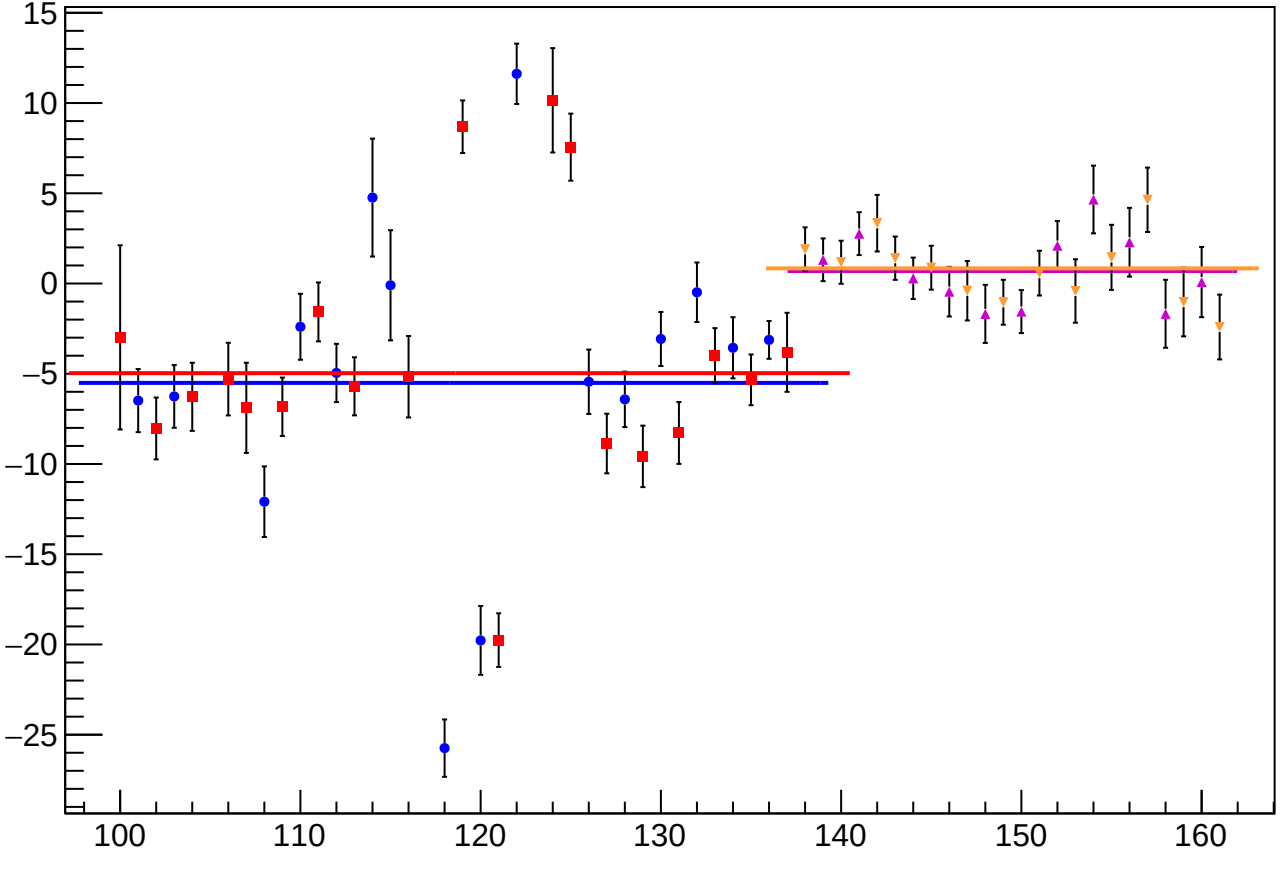
Out: 1207.098+/-0.205 χ^2/NDF:904912.5/31

All: 1221.785+/-0.149 χ^2/NDF: 1788309.7/58


diff_bpm0l09X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 23.750+/-3.081 χ²/NDF: 43.4/15
Left Out: -5.674+/-2.554 χ²/NDF:16.2/12
Right Out: 8.609+/-2.899 χ²/NDF: 30.5/18
Left In: -10.993+/-2.693 χ²/NDF:12.9/10
Left: -8.193+/-1.853 χ²/NDF: 31.2/23
Right: 15.718+/-2.111 χ²/NDF: 86.7/34
In: 4.050+/-2.028 χ²/NDF:128.4/26
Out: 0.568+/-1.917 χ²/NDF:60.3/31
All: 2.211+/-1.393 χ²/NDF: 190.3/58


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8148.787+/-1.806 χ²/NDF:219337.3/12
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8237.166+/-1.904 χ²/NDF:197986.6/10
Left: 8190.647+/-1.310 χ²/NDF: 418457.9/23
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8215.168+/-1.434 χ²/NDF:488923.7/26
Out: 8004.641+/-1.355 χ²/NDF:656909.0/31
All: 8103.979+/-0.985 χ²/NDF: 1157220.2/58

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.840+/-0.397 χ^2/NDF:15.9/12

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.692+/-0.429 χ^2/NDF:17.8/10

Left: 0.772+/-0.291 χ^2/NDF: 33.7/23

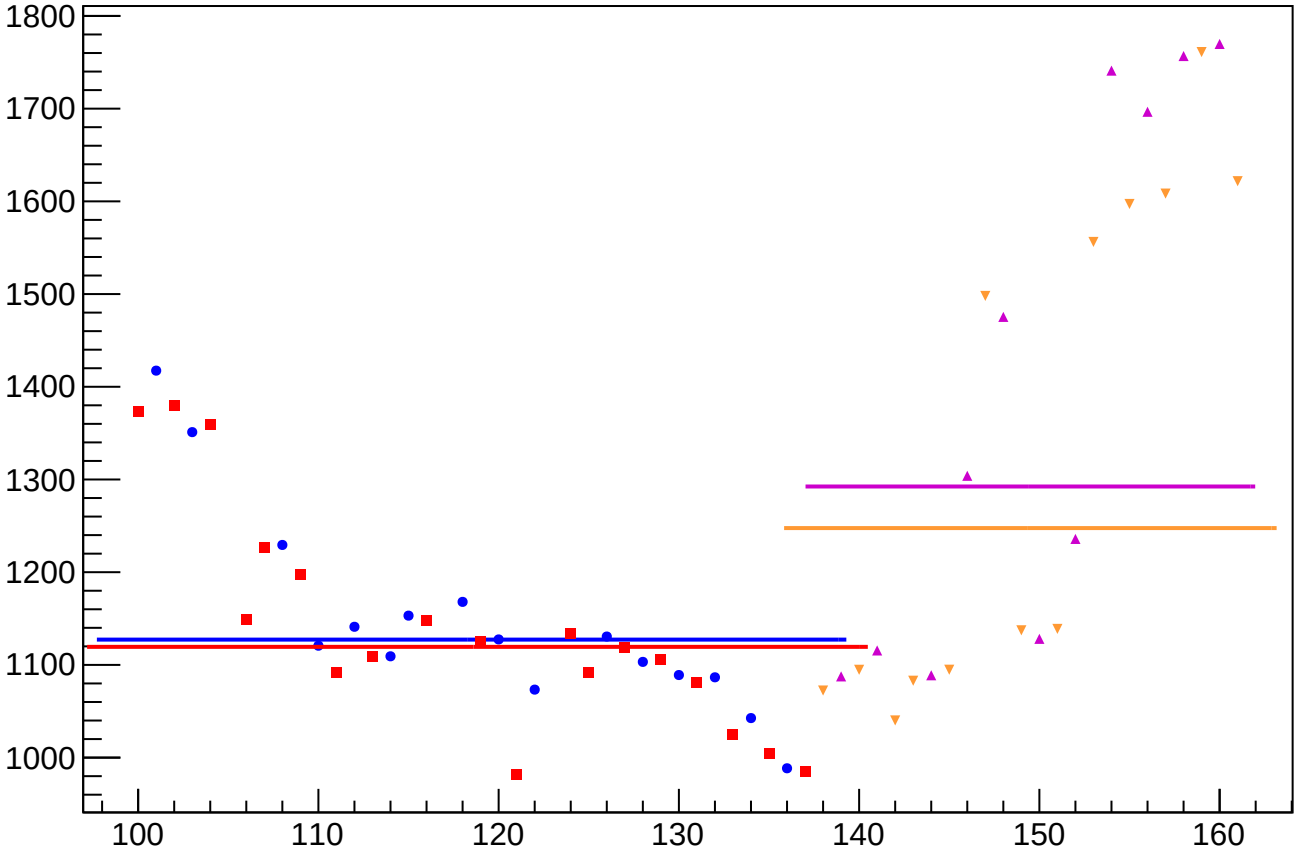
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.463+/-0.300 χ^2/NDF:494.1/26

Out: -1.965+/-0.285 χ^2/NDF:406.7/31

All: -2.201+/-0.207 χ^2/NDF: 902.2/58

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1247.586+/-0.280 χ^2/NDF:706911.1/12

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1292.439+/-0.303 χ^2/NDF:680962.2/10

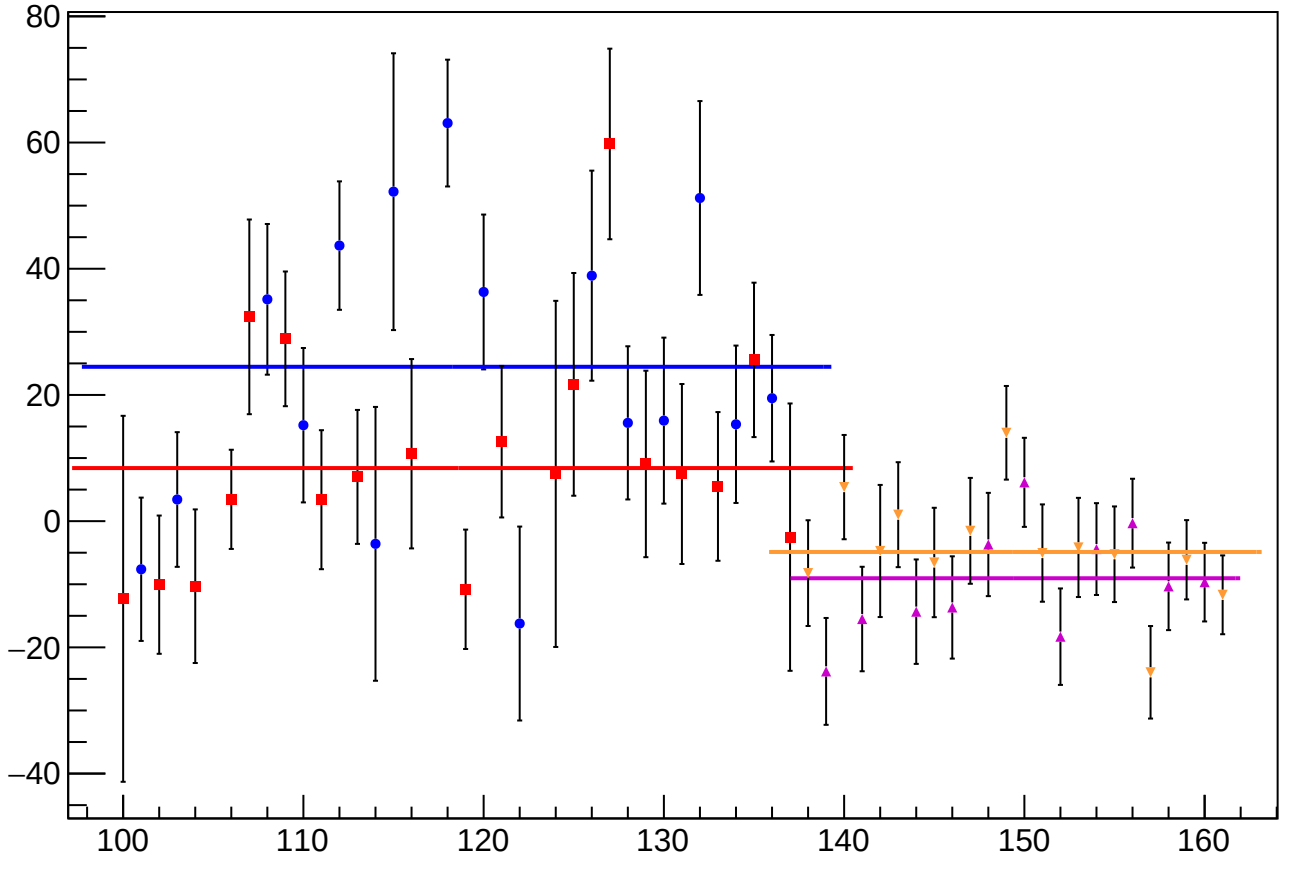
Left: 1268.283+/-0.206 χ^2/NDF: 1399675.0/23

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1208.382+/-0.212 χ^2/NDF:972788.5/26

Out: 1185.702+/-0.202 χ^2/NDF:948429.8/31

All: 1196.459+/-0.146 χ^2/NDF: 1927216.9/58



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.881+/-2.141 χ^2/NDF:16.9/12

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -9.049+/-2.258 χ^2/NDF:12.9/10

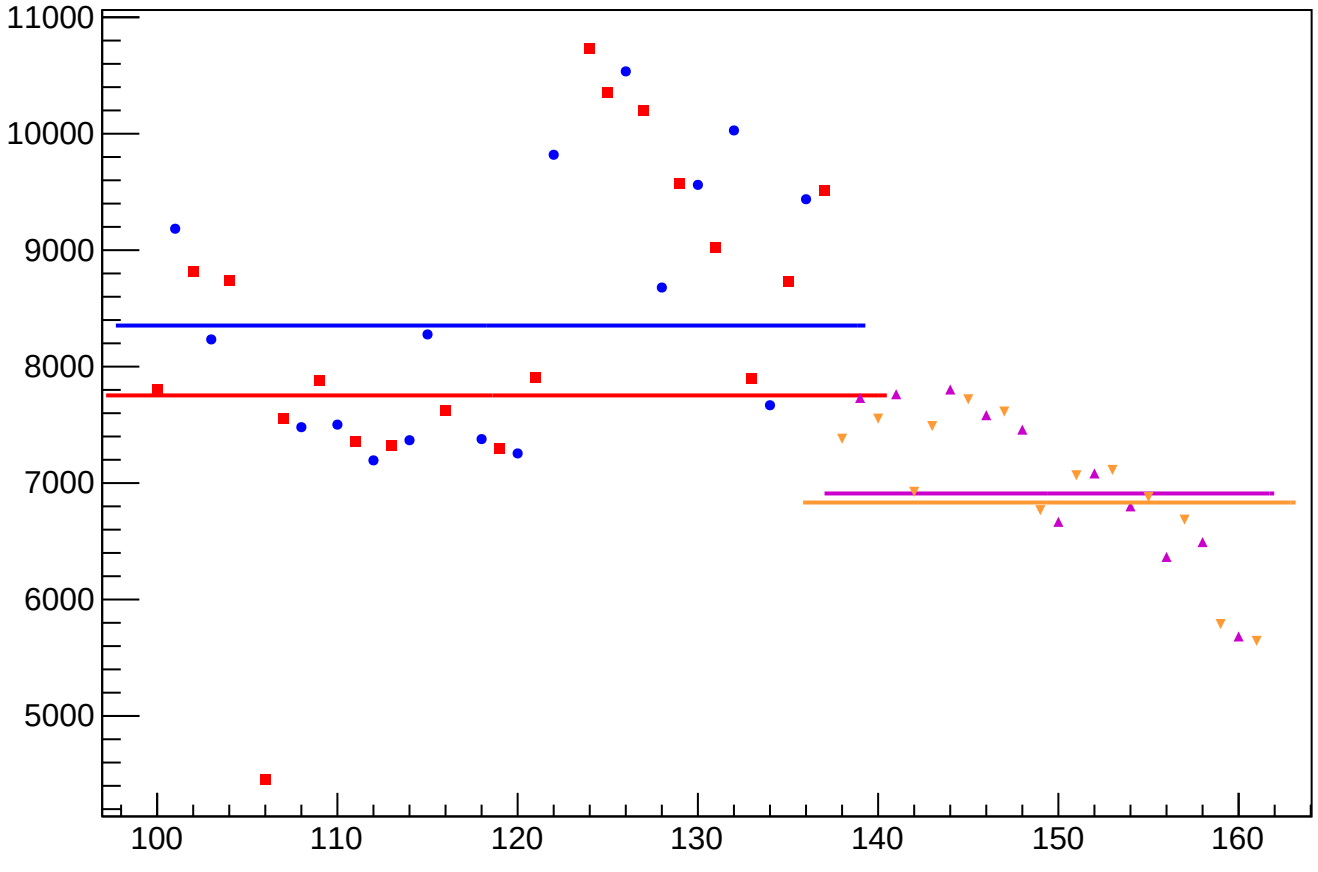
Left: -6.854+/-1.554 χ^2/NDF: 31.6/23

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 2.394+/-1.833 χ^2/NDF:136.4/26

Out: -0.172+/-1.721 χ^2/NDF:61.7/31

All: 1.030+/-1.254 χ^2/NDF: 199.1/58



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6833.045+/-1.514 χ^2/NDF:207559.3/12

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6910.782+/-1.597 χ^2/NDF:186756.2/10

Left: 6869.846+/-1.099 χ^2/NDF: 395563.6/23

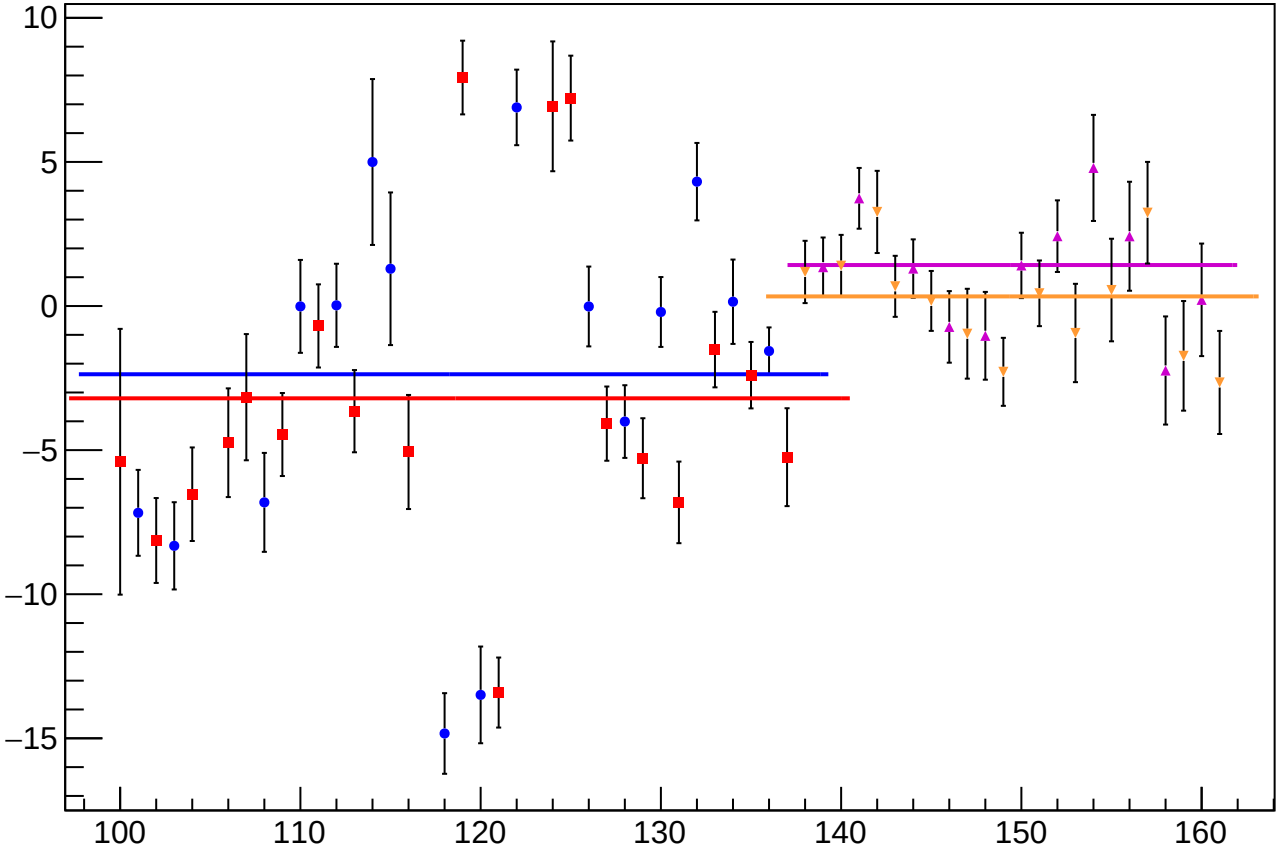
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7403.136+/-1.296 χ^2/NDF:685618.4/26

Out: 7158.802+/-1.217 χ^2/NDF:926325.0/31

All: 7273.279+/-0.887 χ^2/NDF: 1630839.3/58

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.334+/-0.365 χ^2/NDF:18.8/12

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.422+/-0.394 χ^2/NDF:18.9/10

Left: 0.837+/-0.268 χ^2/NDF: 41.8/23

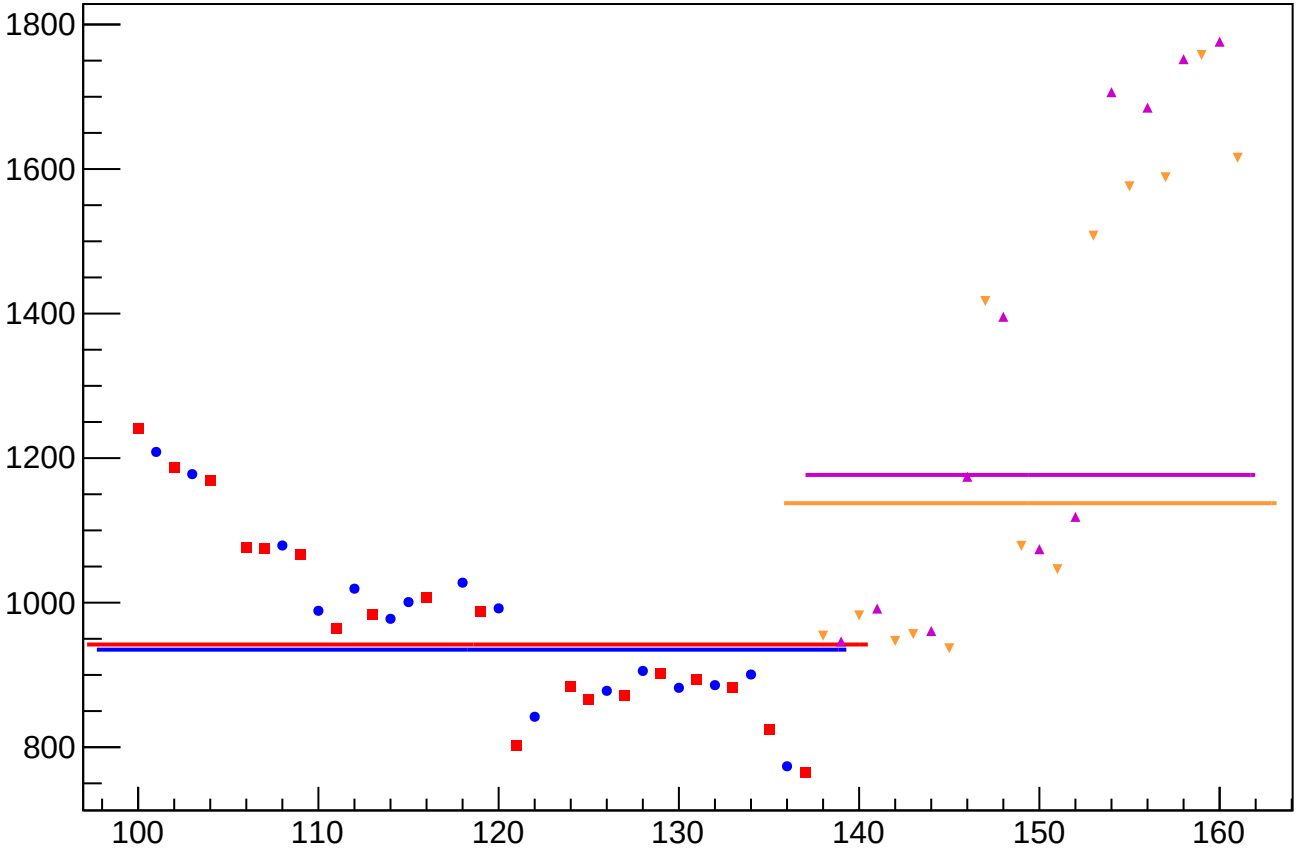
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.693+/-0.262 χ^2/NDF:326.1/26

Out: -1.527+/-0.251 χ^2/NDF:318.8/31

All: -1.127+/-0.181 χ^2/NDF: 650.2/58

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1137.662+/-0.258 χ^2/NDF:1052608.4/12

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1176.747+/-0.279 χ^2/NDF:1001343.2/10

Left: 1155.714+/-0.189 χ^2/NDF: 2064546.4/23

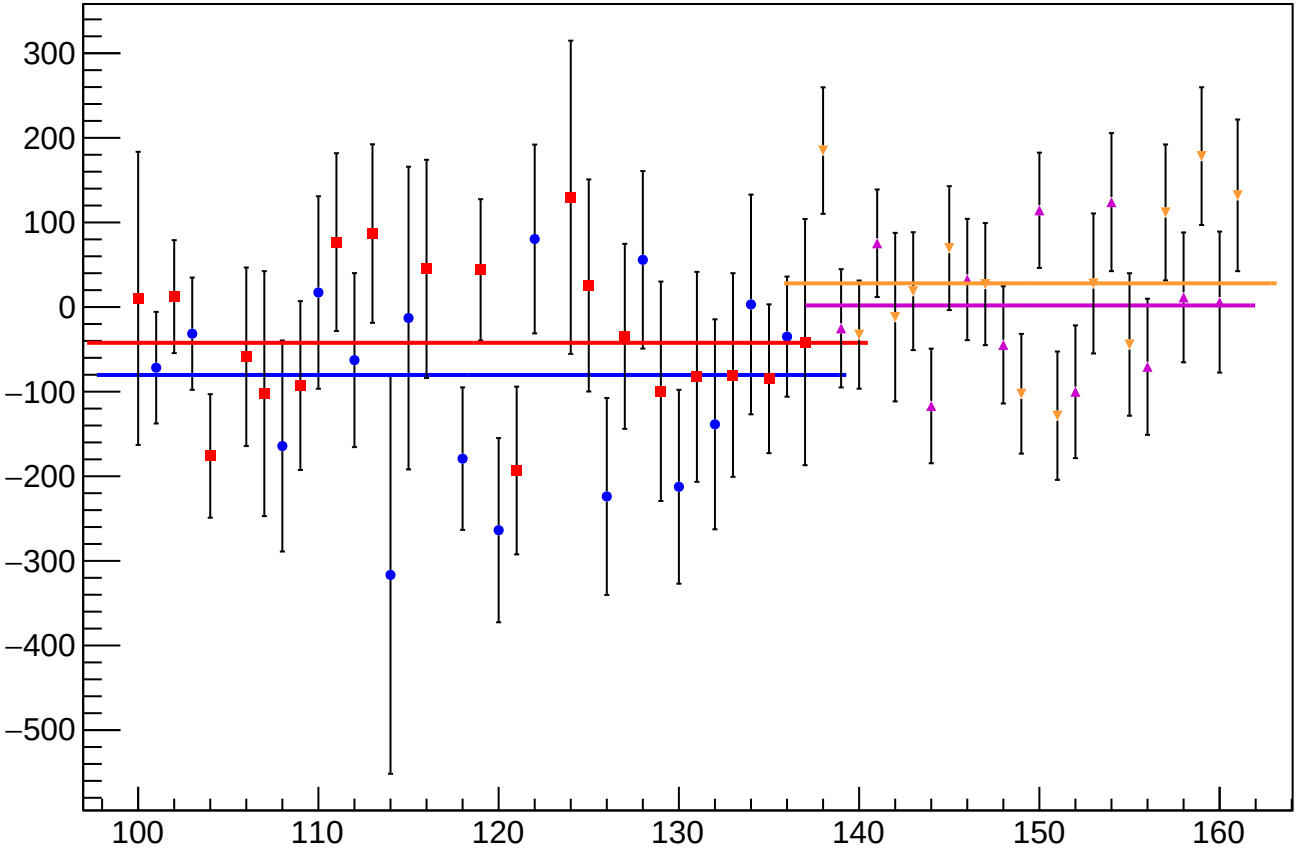
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1041.788+/-0.185 χ^2/NDF:1676243.8/26

Out: 1034.776+/-0.178 χ^2/NDF:1587222.0/31

All: 1038.137+/-0.128 χ^2/NDF: 3264212.5/58

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 28.046+/-21.320 χ^2/NDF:20.0/12

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 1.906+/-21.982 χ^2/NDF:12.7/10

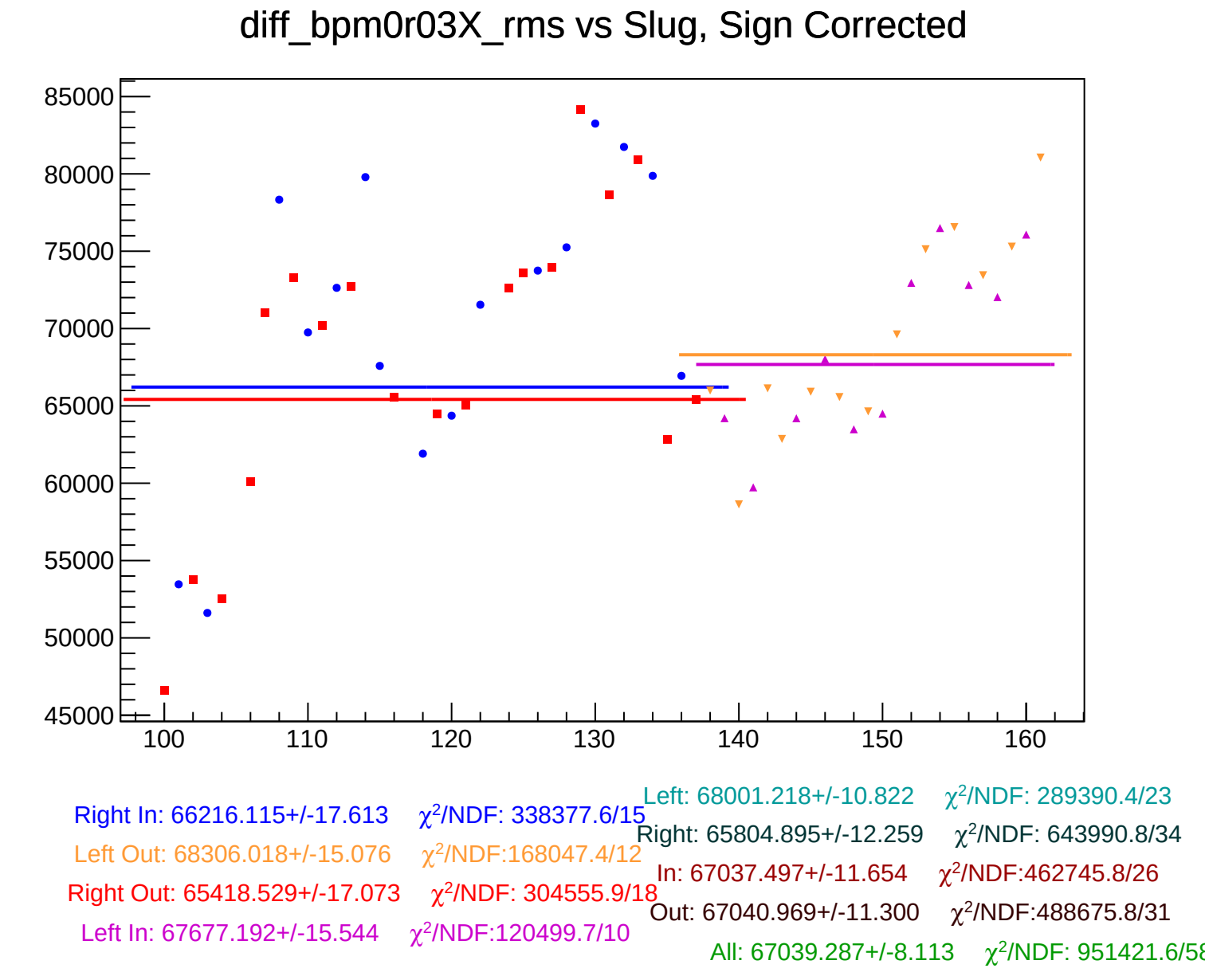
Left: 15.376+/-15.304 χ^2/NDF: 33.5/23

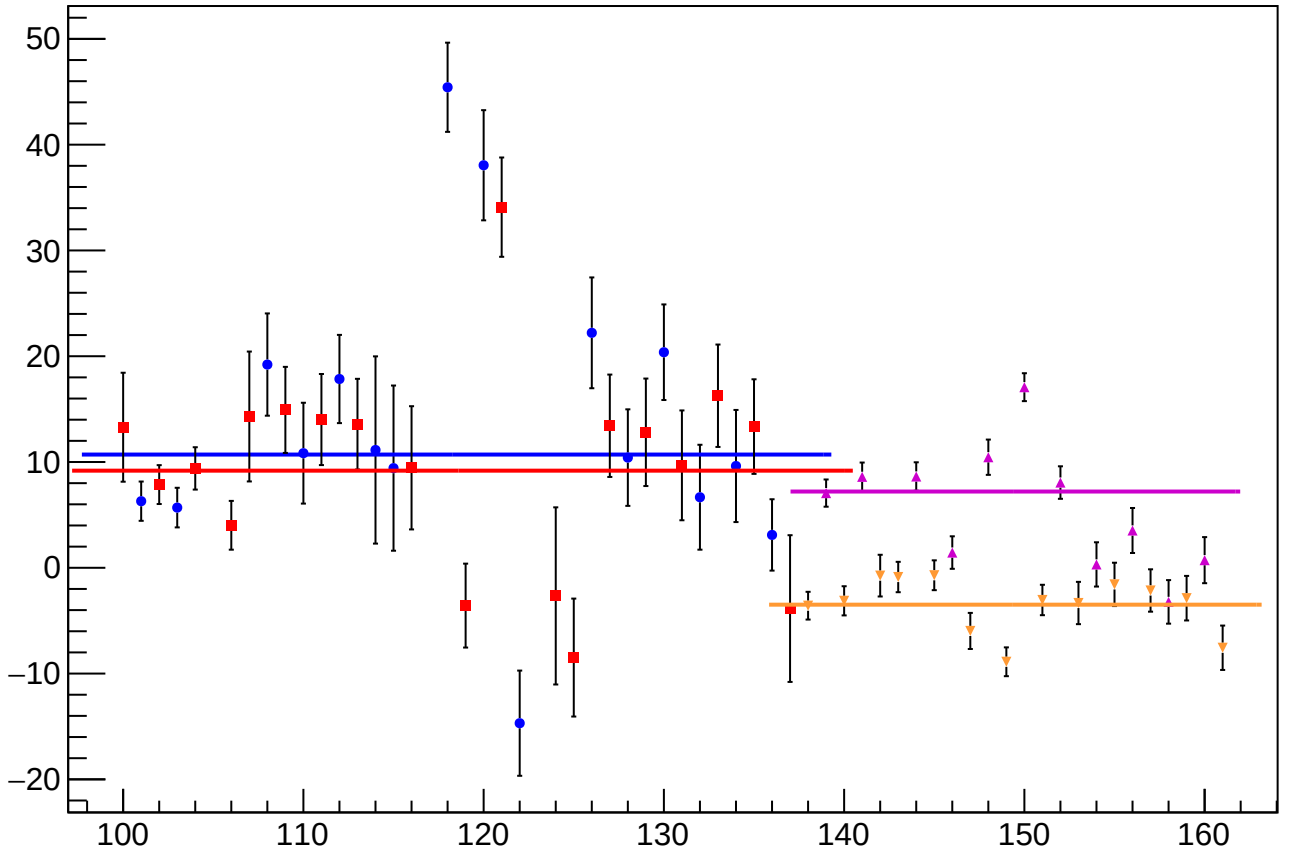
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -34.064+/-16.482 χ^2/NDF:33.6/26

Out: -2.757+/-15.981 χ^2/NDF:37.8/31

All: -17.928+/-11.473 χ^2/NDF: 73.2/58


diff_bpm0r03X_rms vs Slug, Sign Corrected
85000
80000
75000
70000
65000
60000
55000
50000
45000
100
110
120
130
140
150
160
Right In: 66216.115+/-17.613 χ²/NDF: 338377.6/15
Left Out: 68306.018+/-15.076 χ²/NDF:168047.4/12
Right Out: 65418.529+/-17.073 χ²/NDF: 304555.9/18
Left In: 67677.192+/-15.544 χ²/NDF:120499.7/10
Left: 68001.218+/-10.822 χ²/NDF: 289390.4/23
Right: 65804.895+/-12.259 χ²/NDF: 643990.8/34
In: 67037.497+/-11.654 χ²/NDF:462745.8/26
Out: 67040.969+/-11.300 χ²/NDF:488675.8/31
All: 67039.287+/-8.113 χ²/NDF: 951421.6/58



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.486+/-0.451 χ^2/NDF:32.3/12

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.209+/-0.478 χ^2/NDF:124.7/10

Left: 1.559+/-0.328 χ^2/NDF: 422.0/23

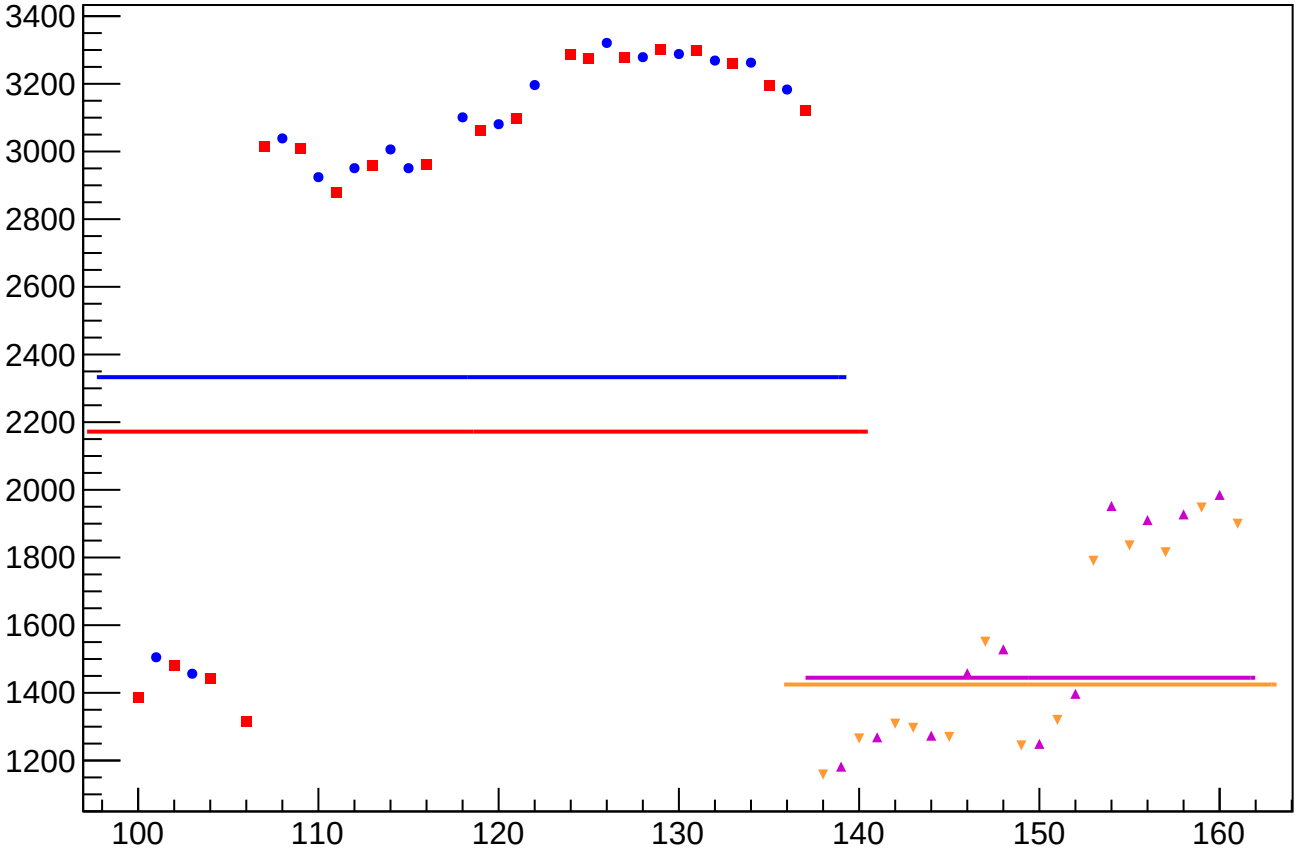
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.951+/-0.424 χ^2/NDF:291.6/26

Out: -0.701+/-0.399 χ^2/NDF:275.2/31

All: 3.359+/-0.290 χ^2/NDF: 787.8/58

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1424.688+/-0.319 χ^2/NDF:661989.1/12

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1444.643+/-0.338 χ^2/NDF:647619.1/10

Left: 1434.101+/-0.232 χ^2/NDF: 1311452.7/23

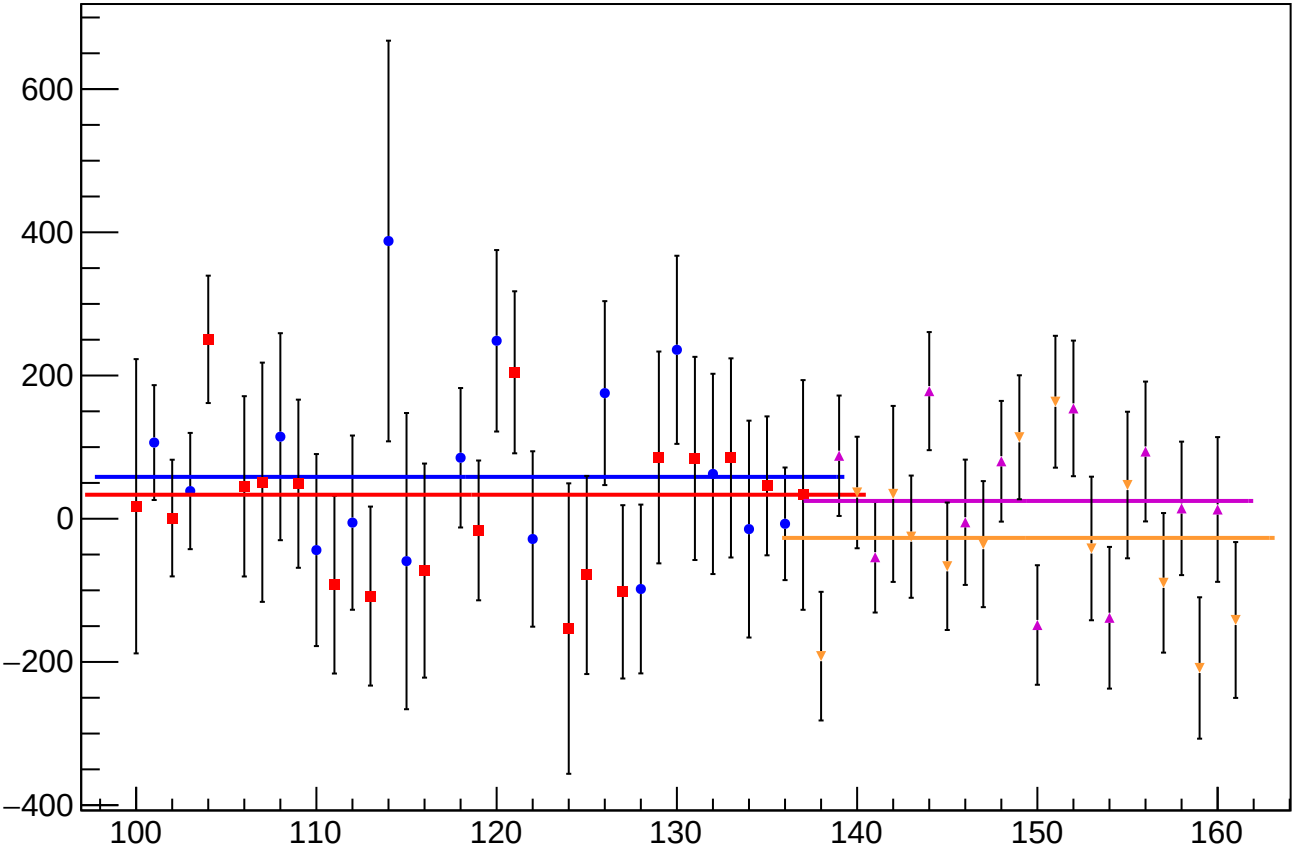
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1633.042+/-0.300 χ^2/NDF:3766661.6/26

Out: 1588.999+/-0.282 χ^2/NDF:3852002.0/31

All: 1609.667+/-0.205 χ^2/NDF: 7630121.1/58

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -26.773+/-25.938 χ^2/NDF:16.9/12

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 24.845+/-26.703 χ^2/NDF:15.0/10

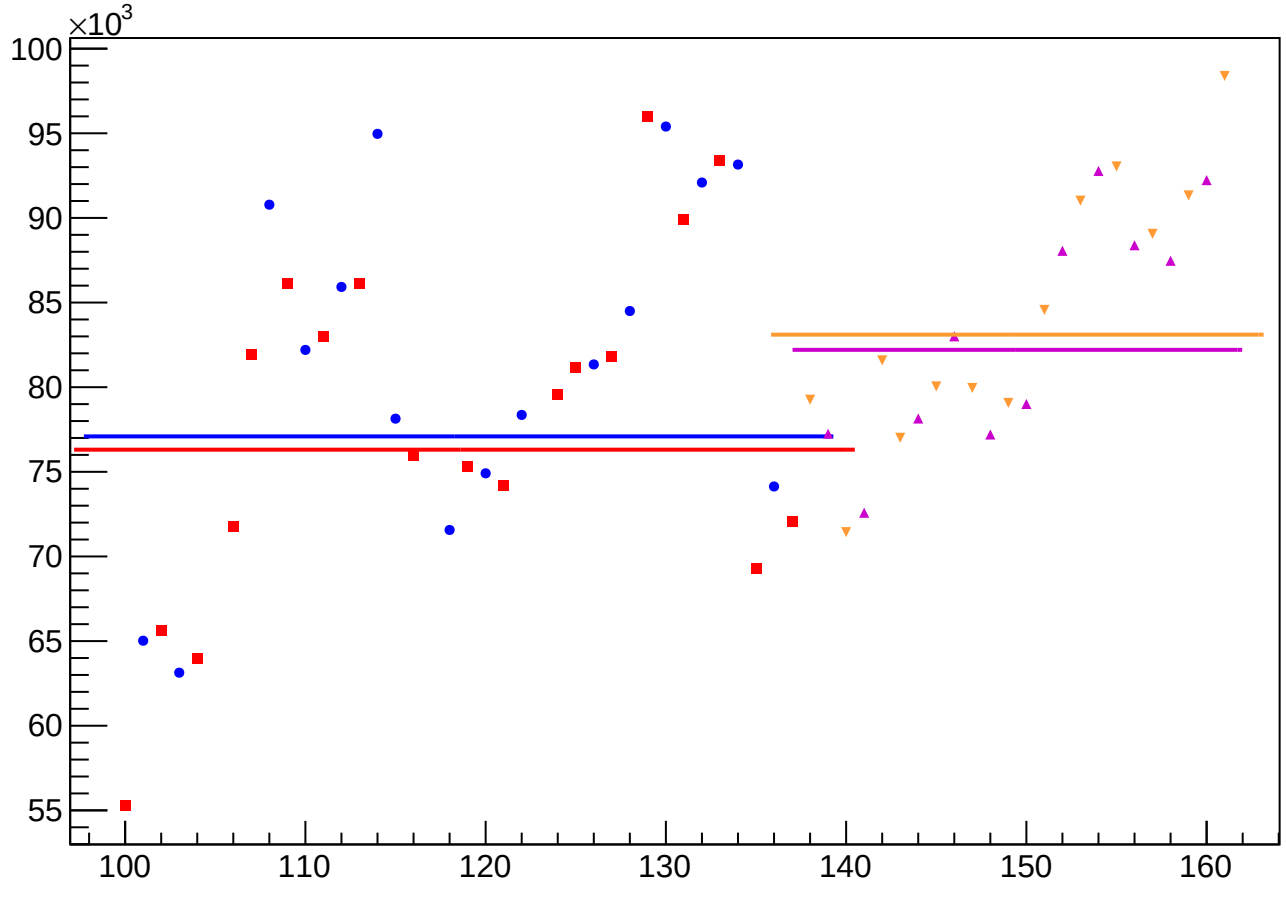
Left: -1.713+/-18.606 χ^2/NDF: 33.8/23

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 40.310+/-19.618 χ^2/NDF:27.1/26

Out: 0.960+/-19.061 χ^2/NDF:34.0/31

All: 20.069+/-13.671 χ^2/NDF: 63.1/58



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 83104.658+/-18.341 χ^2/NDF:160933.9/12

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 82206.869+/-18.882 χ^2/NDF:117445.4/10

Left: 82668.800+/-13.156 χ^2/NDF: 279542.5/23

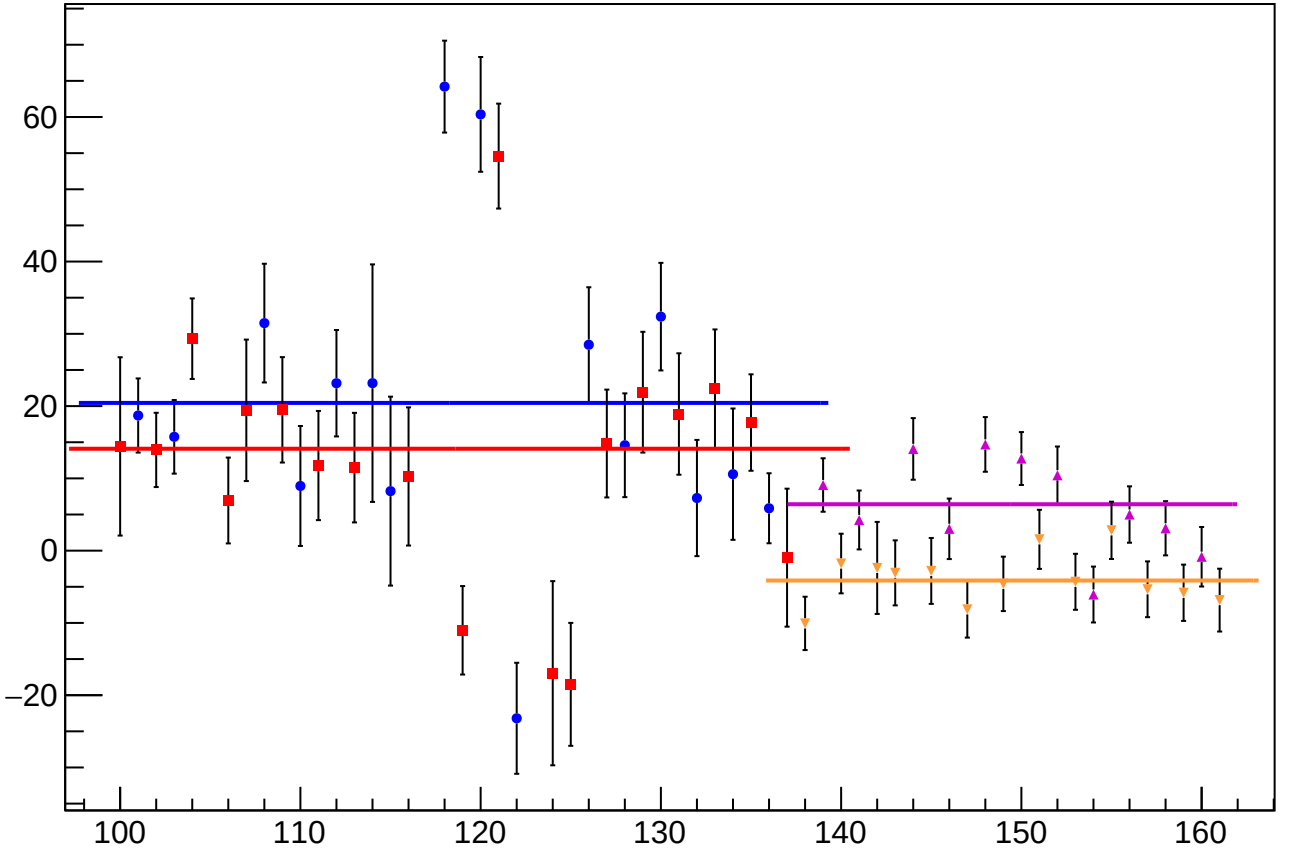
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 79853.303+/-13.872 χ^2/NDF:399746.5/26

Out: 79978.786+/-13.478 χ^2/NDF:458516.6/31

All: 79917.850+/-9.667 χ^2/NDF: 858305.2/58

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.130+/-1.142 χ^2/NDF:9.9/12

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 6.423+/-1.182 χ^2/NDF:27.9/10

Left: 0.966+/-0.821 χ^2/NDF: 79.0/23

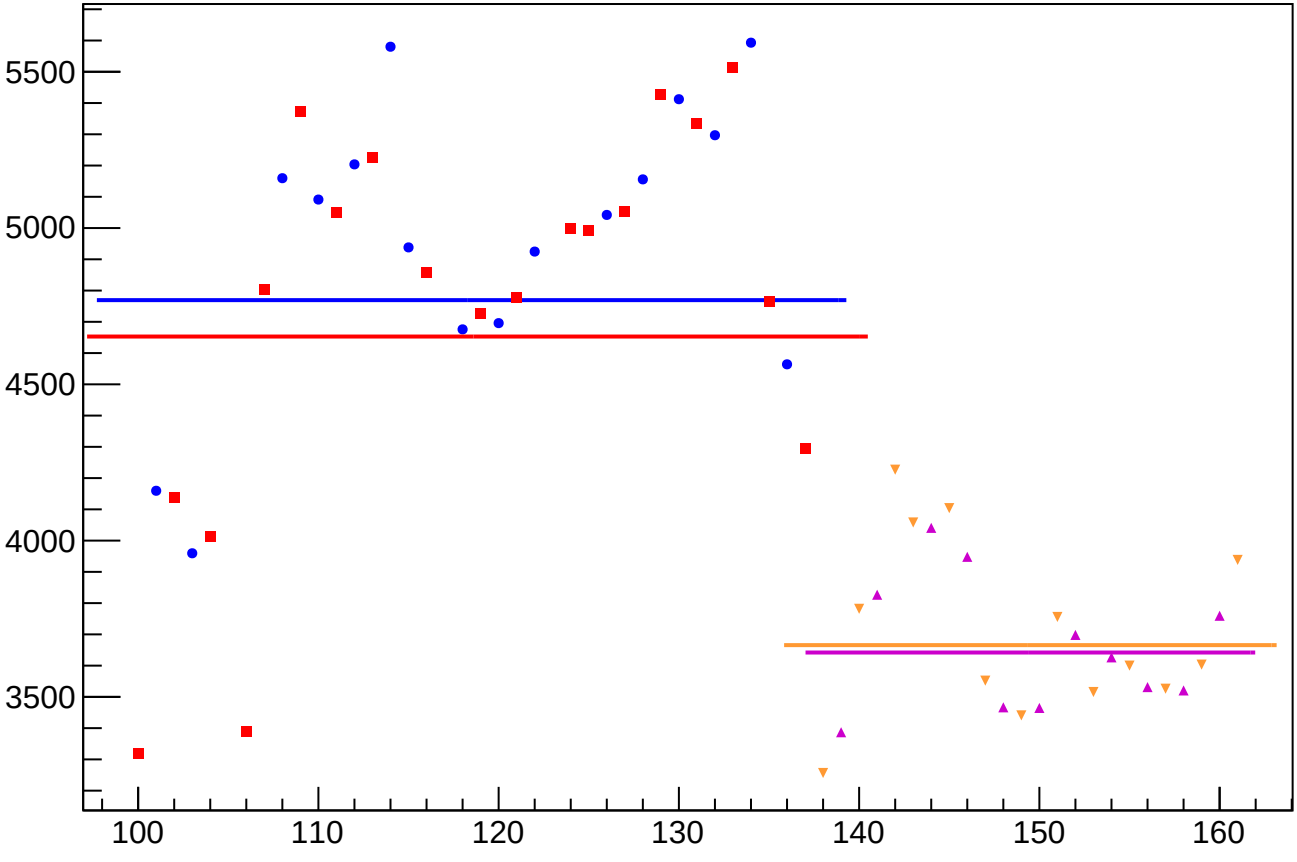
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 10.706+/-0.985 χ^2/NDF:198.8/26

Out: 1.479+/-0.950 χ^2/NDF:172.0/31

All: 5.928+/-0.684 χ^2/NDF: 416.2/58

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3665.606+/-0.808 χ^2/NDF:99725.5/12

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3641.961+/-0.836 χ^2/NDF:56601.5/10

Left: 3654.187+/-0.581 χ^2/NDF: 156741.0/23

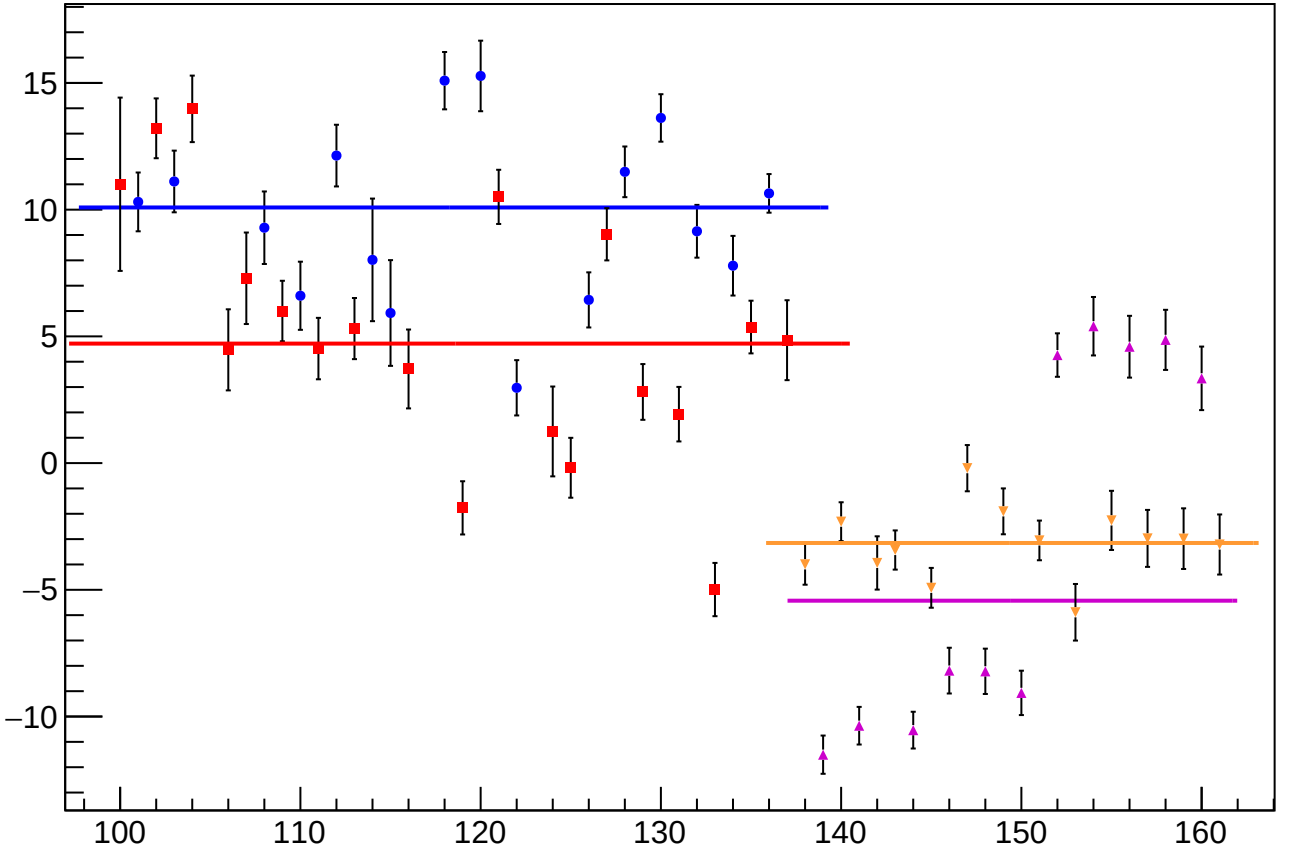
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3986.398+/-0.696 χ^2/NDF:764268.8/26

Out: 3969.331+/-0.672 χ^2/NDF:824544.6/31

All: 3977.560+/-0.484 χ^2/NDF: 1589124.4/58

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.152+/-0.256 χ^2/NDF:27.1/12

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -5.429+/-0.273 χ^2/NDF:602.6/10

Left: -4.217+/-0.187 χ^2/NDF: 666.6/23

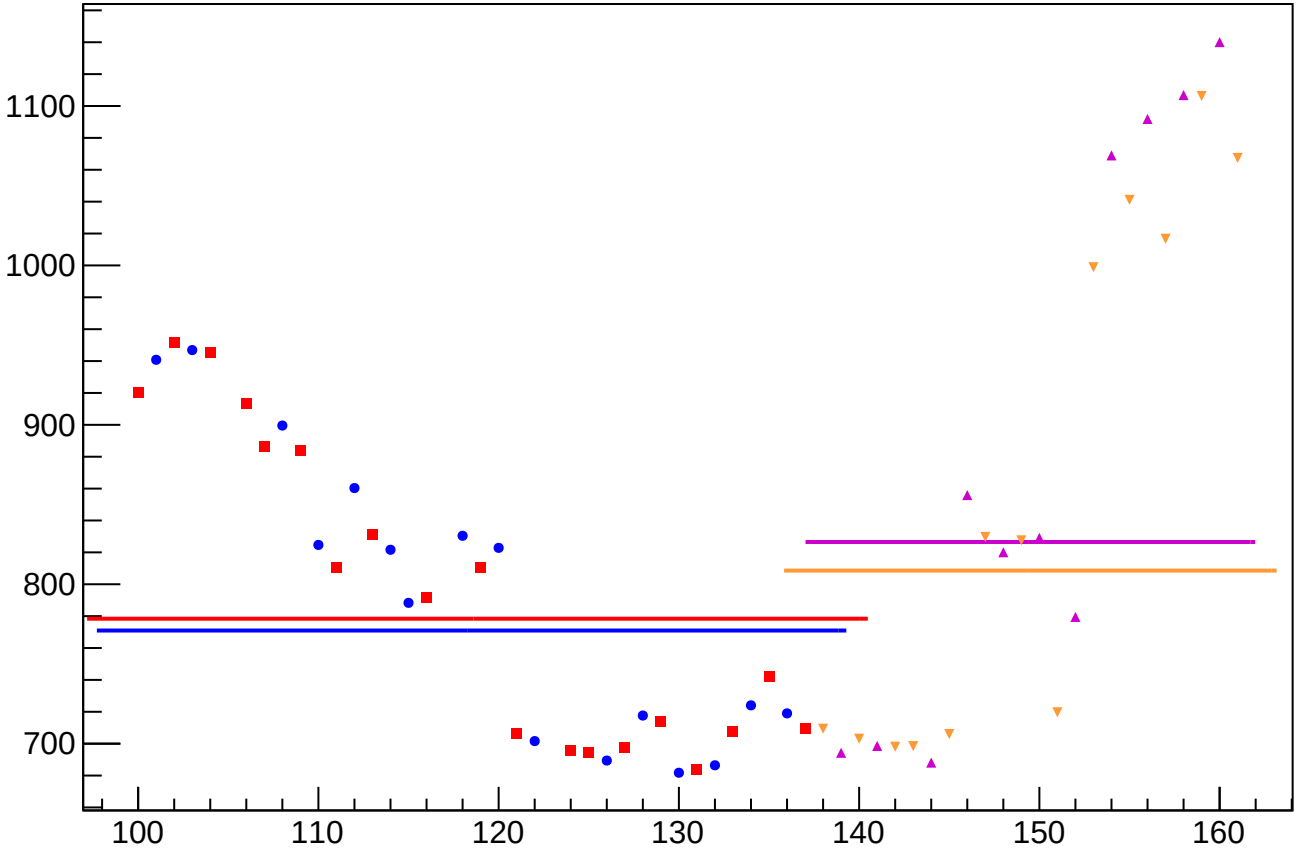
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.913+/-0.198 χ^2/NDF:2251.4/26

Out: 0.353+/-0.191 χ^2/NDF:757.6/31

All: 1.102+/-0.137 χ^2/NDF: 3041.1/58

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 808.573+/-0.181 χ^2/NDF:618061.7/12

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 826.515+/-0.193 χ^2/NDF:621949.2/10

Left: 816.963+/-0.132 χ^2/NDF: 1244599.2/23

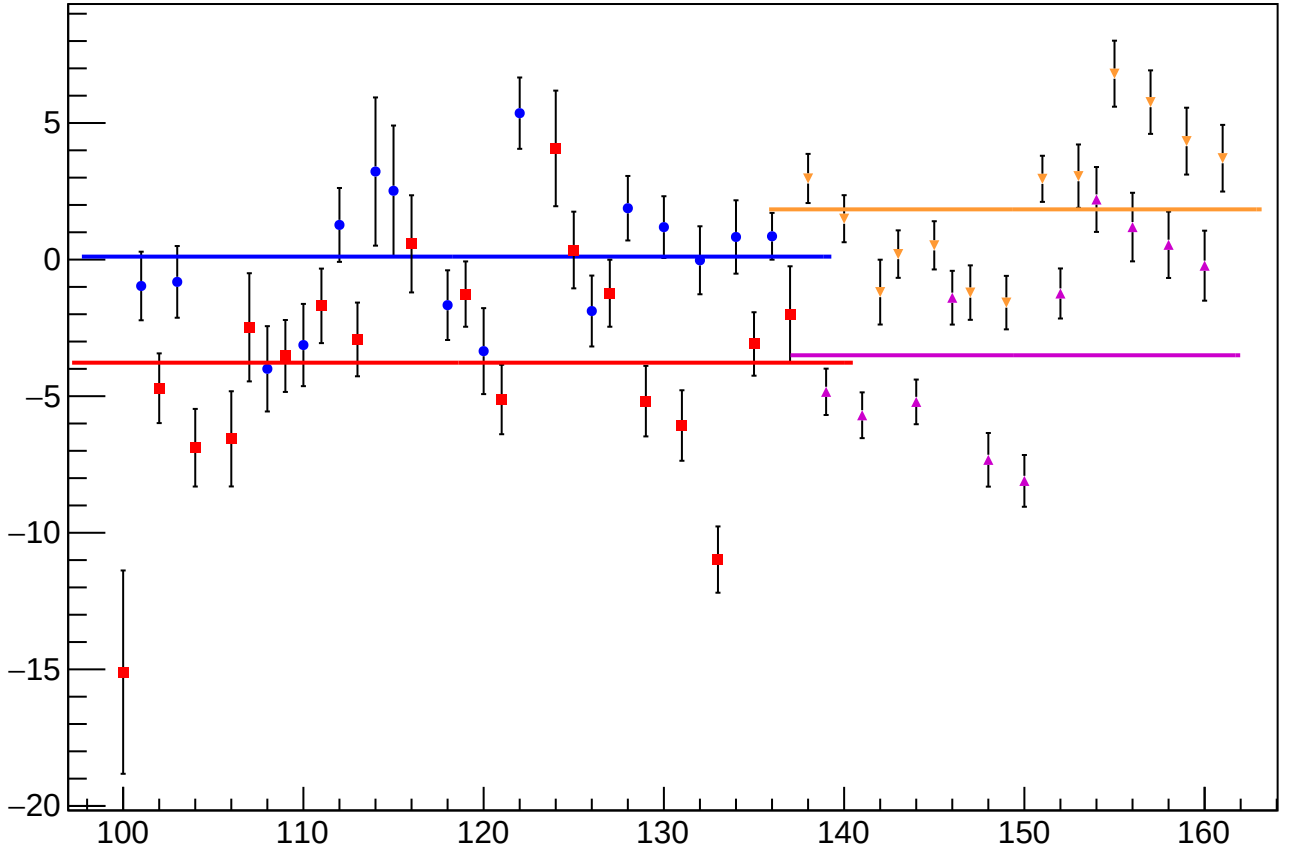
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 800.231+/-0.140 χ^2/NDF:853943.7/26

Out: 795.127+/-0.135 χ^2/NDF:826974.3/31

All: 797.579+/-0.097 χ^2/NDF: 1681605.9/58

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.839+/-0.279 χ^2/NDF:73.2/12

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.502+/-0.297 χ^2/NDF:117.8/10

Left: -0.661+/-0.203 χ^2/NDF: 362.7/23

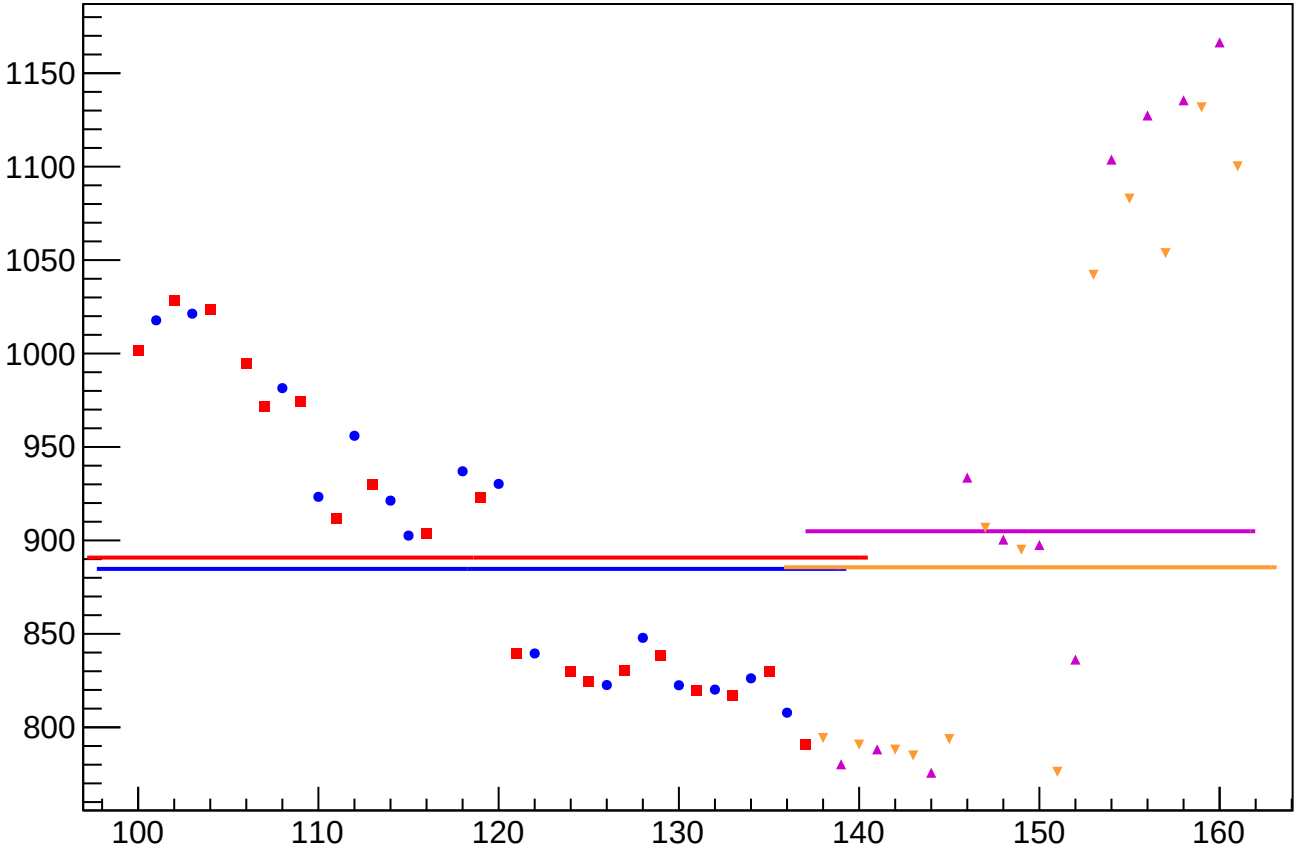
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.884+/-0.221 χ^2/NDF:229.3/26

Out: -0.532+/-0.212 χ^2/NDF:343.9/31

All: -1.180+/-0.153 χ^2/NDF: 592.7/58

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 885.637+/-0.197 χ^2/NDF:415744.9/12

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 904.908+/-0.210 χ^2/NDF:419402.8/10

Left: 894.657+/-0.144 χ^2/NDF: 839618.4/23

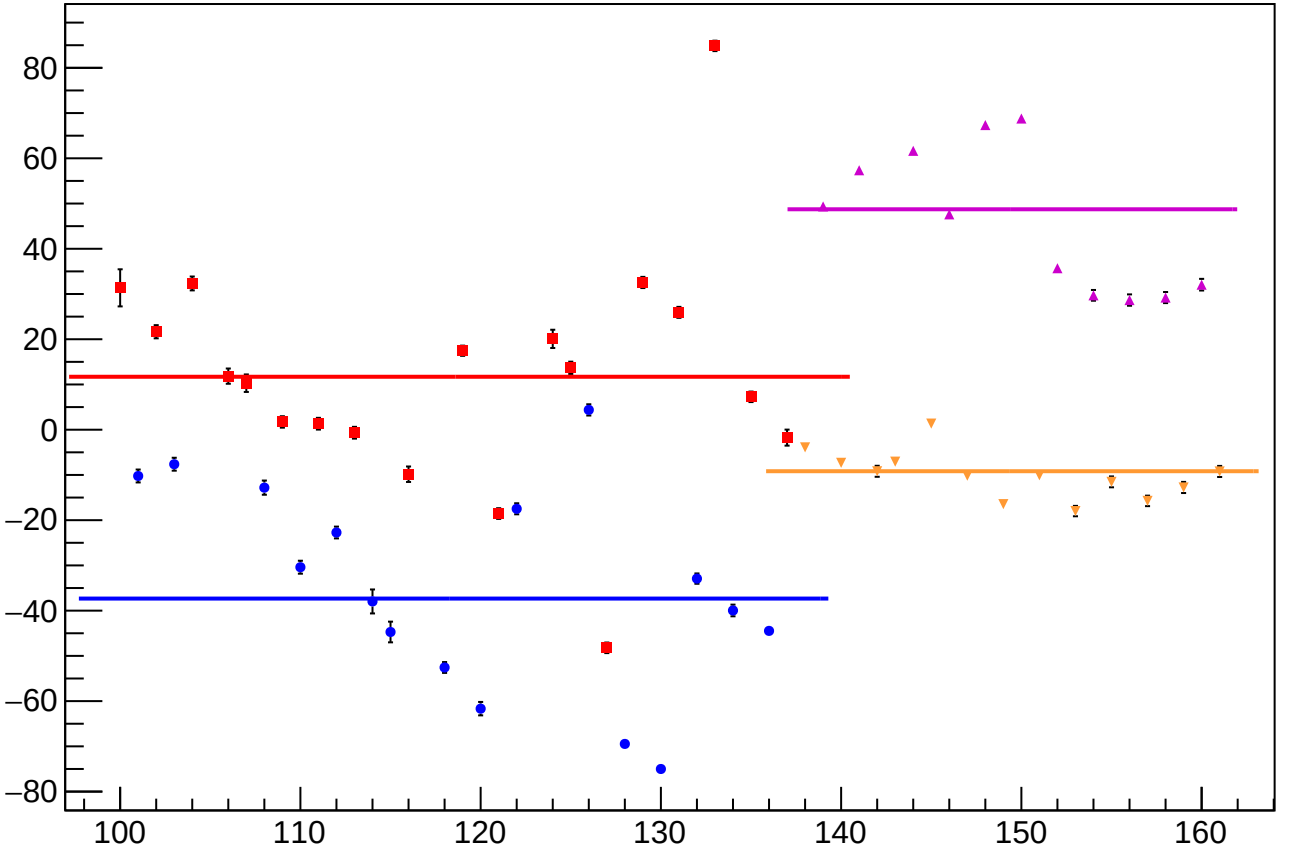
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 895.885+/-0.156 χ^2/NDF:528008.4/26

Out: 887.825+/-0.150 χ^2/NDF:523799.9/31

All: 891.689+/-0.108 χ^2/NDF: 1053195.4/58

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.176+/-0.283 χ^2/NDF:332.0/12

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 48.731+/-0.304 χ^2/NDF:2173.1/10

Left: 17.722+/-0.207 χ^2/NDF: 21932.9/23

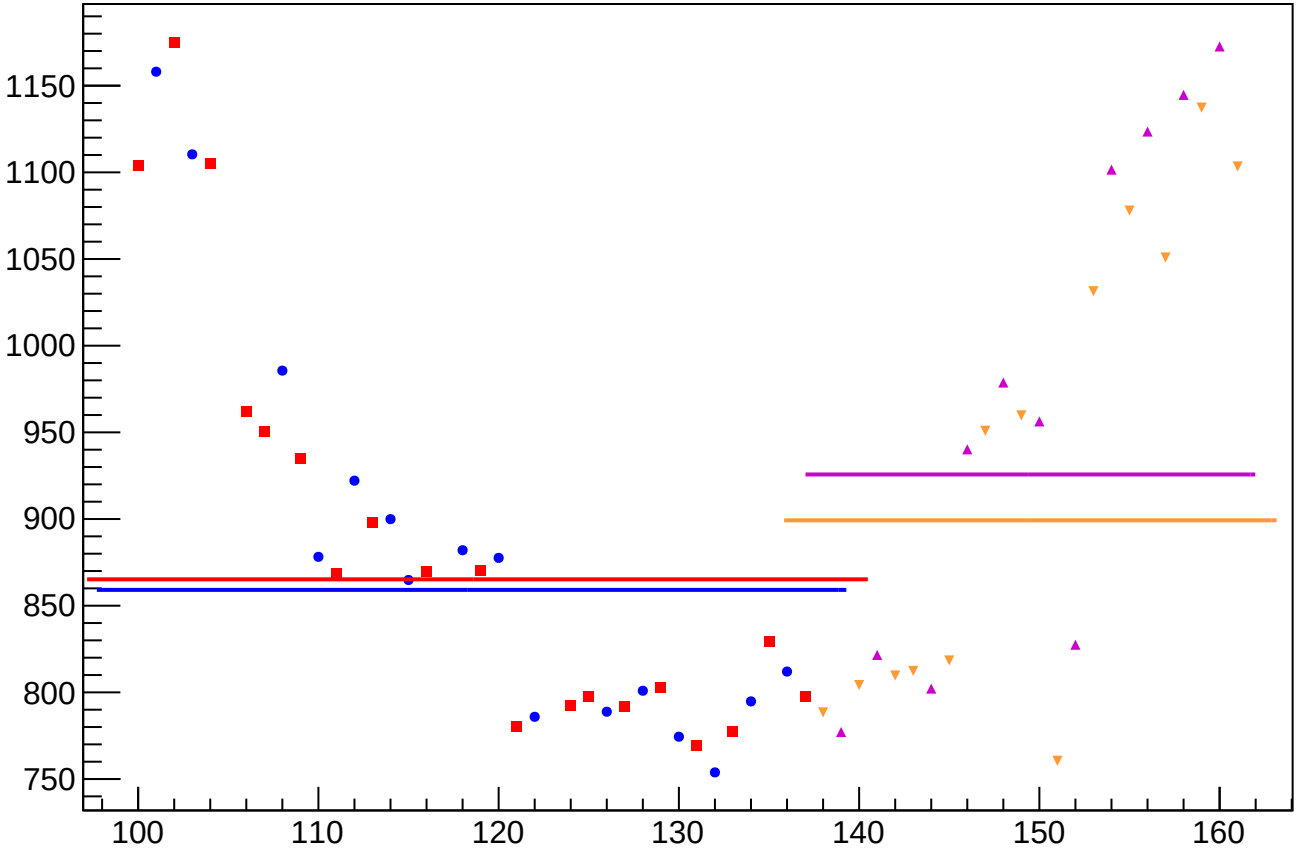
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 8.135+/-0.221 χ^2/NDF:45157.6/26

Out: 0.061+/-0.211 χ^2/NDF:11201.6/31

All: 3.920+/-0.153 χ^2/NDF: 57056.2/58

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 899.253+/-0.200 χ^2/NDF:402343.3/12

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 925.706+/-0.215 χ^2/NDF:394700.9/10

Left: 911.540+/-0.147 χ^2/NDF: 805152.9/23

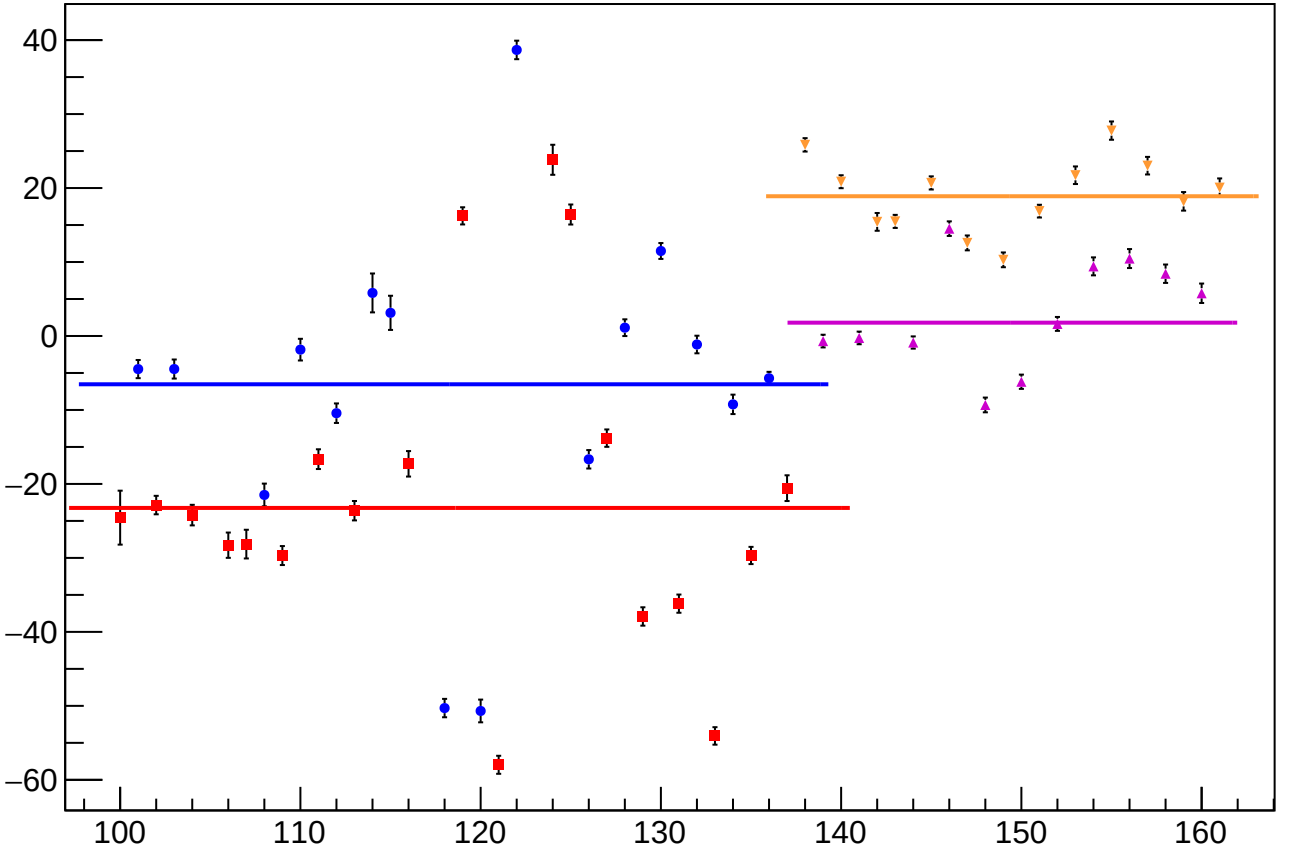
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 894.299+/-0.156 χ^2/NDF:668658.1/26

Out: 884.195+/-0.150 χ^2/NDF:638798.6/31

All: 889.025+/-0.108 χ^2/NDF: 1309639.6/58

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.891+/-0.284 χ^2/NDF:280.1/12

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 1.800+/-0.302 χ^2/NDF:506.0/10

Left: 10.894+/-0.207 χ^2/NDF: 2485.2/23

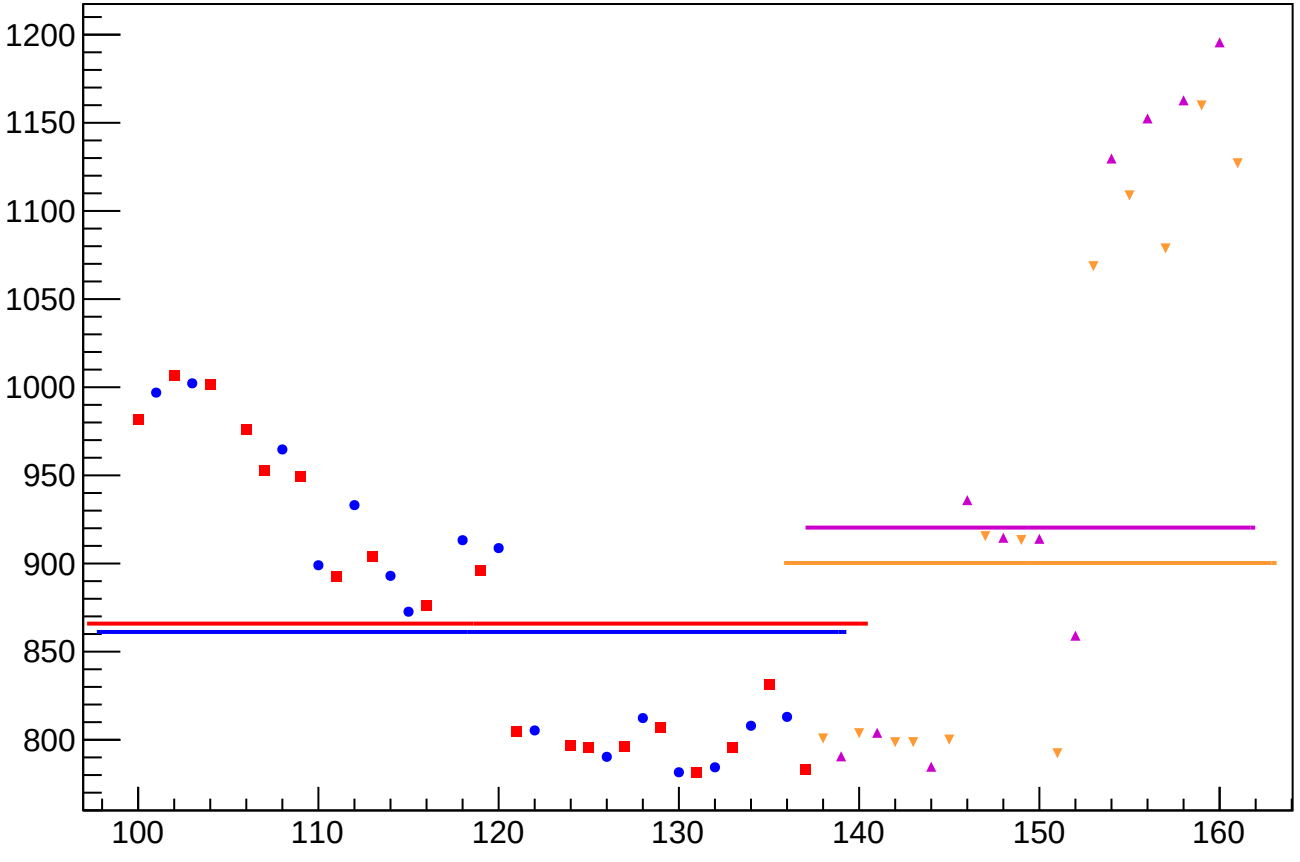
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -2.114+/-0.220 χ^2/NDF:4808.5/26

Out: 0.160+/-0.211 χ^2/NDF:14561.7/31

All: -0.931+/-0.152 χ^2/NDF: 19425.7/58

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 900.299+/-0.201 χ^2/NDF:439997.1/12

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 920.375+/-0.214 χ^2/NDF:434335.4/10

Left: 909.693+/-0.146 χ^2/NDF: 879021.8/23

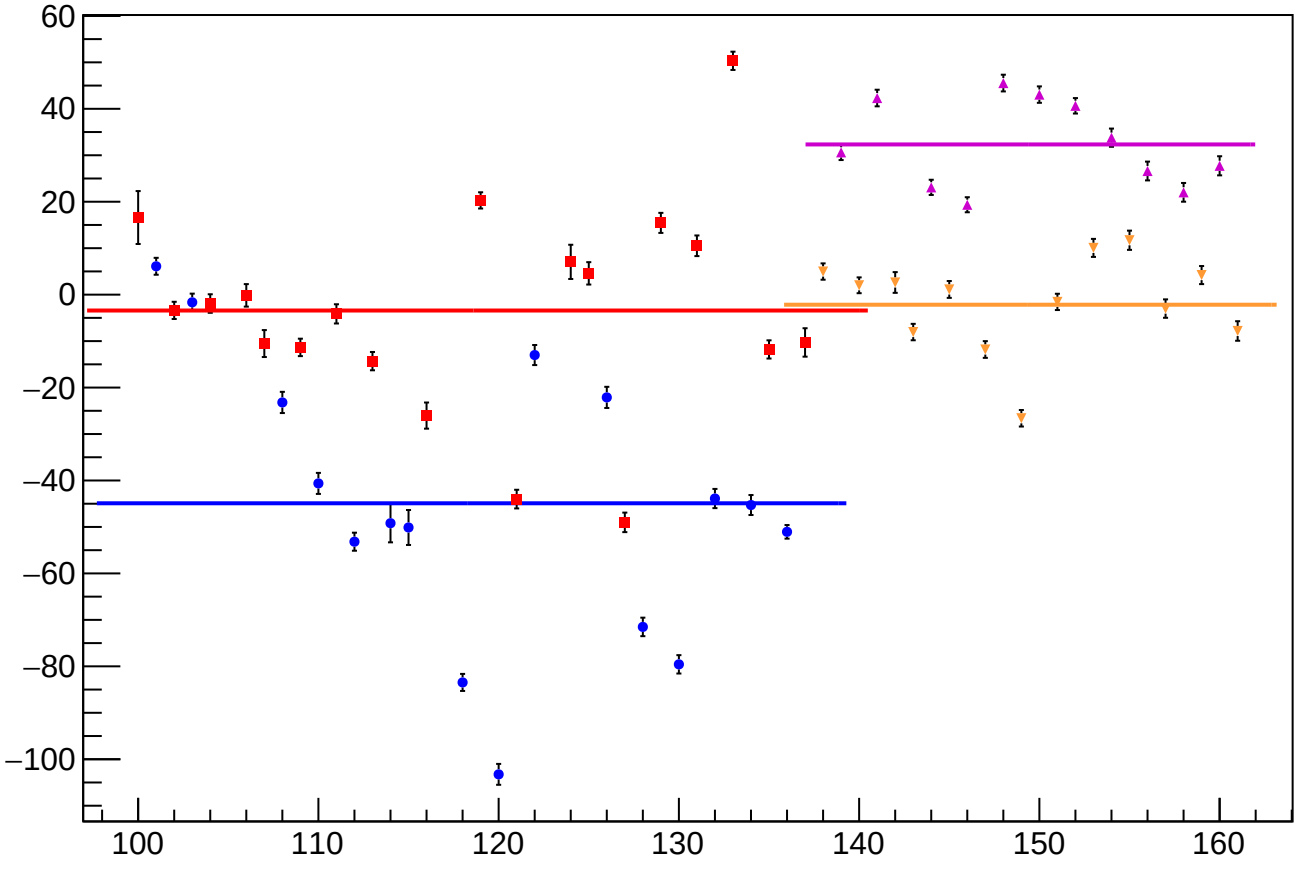
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 892.551+/-0.156 χ^2/NDF:583885.6/26

Out: 885.010+/-0.149 χ^2/NDF:571489.0/31

All: 888.627+/-0.108 χ^2/NDF: 1156595.7/58

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.168+/-0.520 χ^2/NDF:362.3/12

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 32.331+/-0.542 χ^2/NDF:283.7/10

Left: 14.392+/-0.375 χ^2/NDF: 2754.9/23

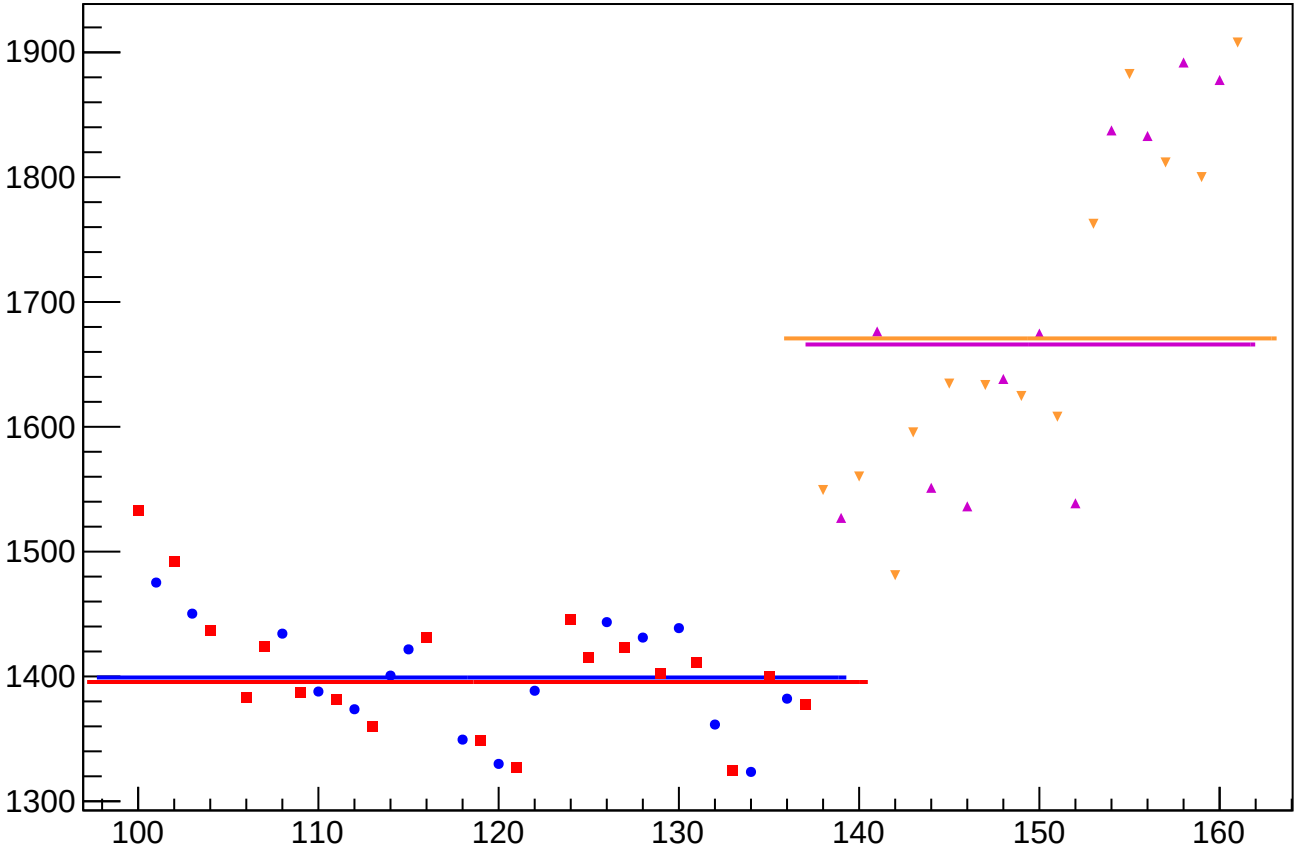
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -7.874+/-0.375 χ^2/NDF:14242.8/26

Out: -2.806+/-0.364 χ^2/NDF:2467.4/31

All: -5.263+/-0.261 χ^2/NDF: 16804.2/58

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1670.821+/-0.368 χ^2/NDF:111504.6/12

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1665.967+/-0.383 χ^2/NDF:124246.9/10

Left: 1668.491+/-0.265 χ^2/NDF: 235834.9/23

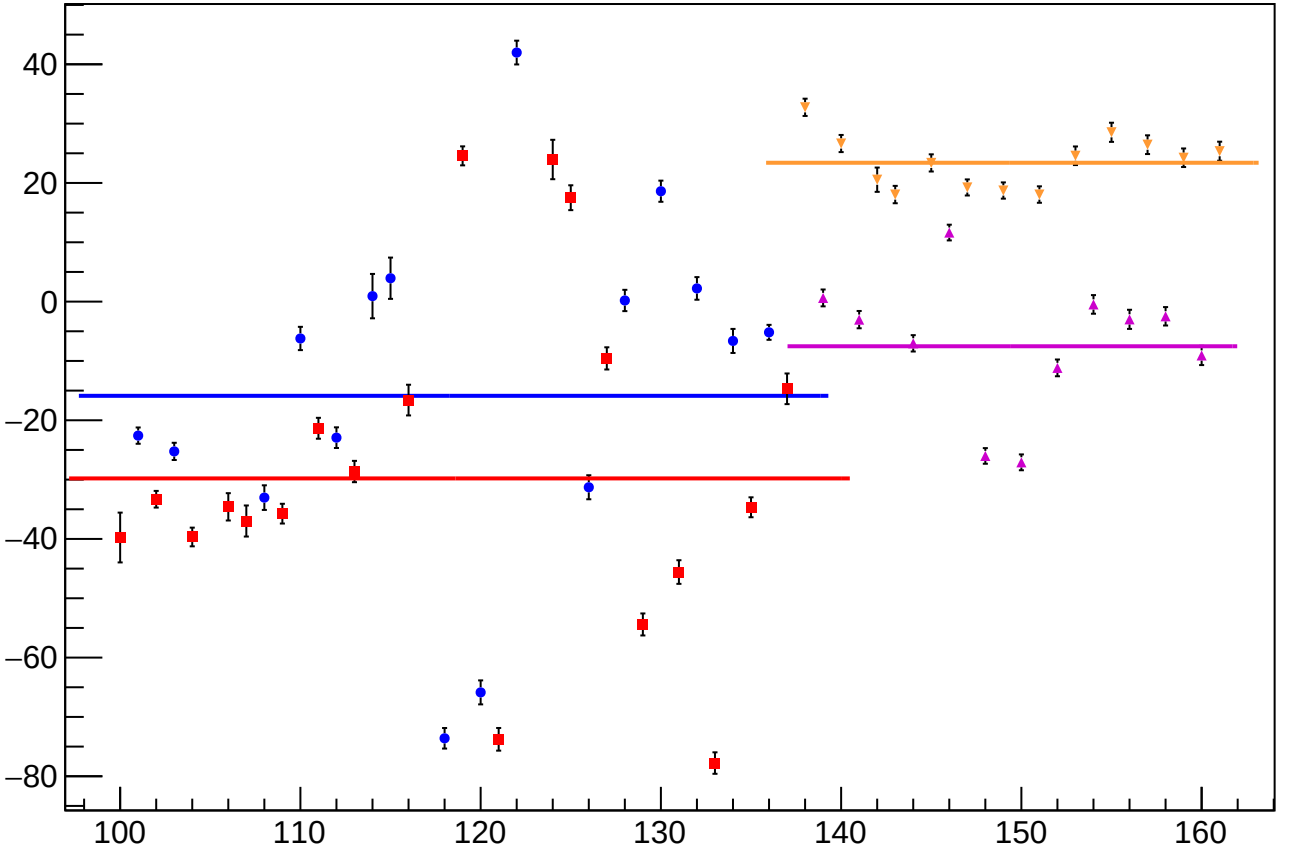
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1527.089+/-0.265 χ^2/NDF:391613.5/26

Out: 1530.159+/-0.257 χ^2/NDF:413626.5/31

All: 1528.670+/-0.185 χ^2/NDF: 805309.0/58

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.404+/-0.418 χ^2/NDF:113.9/12

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.526+/-0.435 χ^2/NDF:709.4/10

Left: 8.551+/-0.301 χ^2/NDF: 3451.2/23

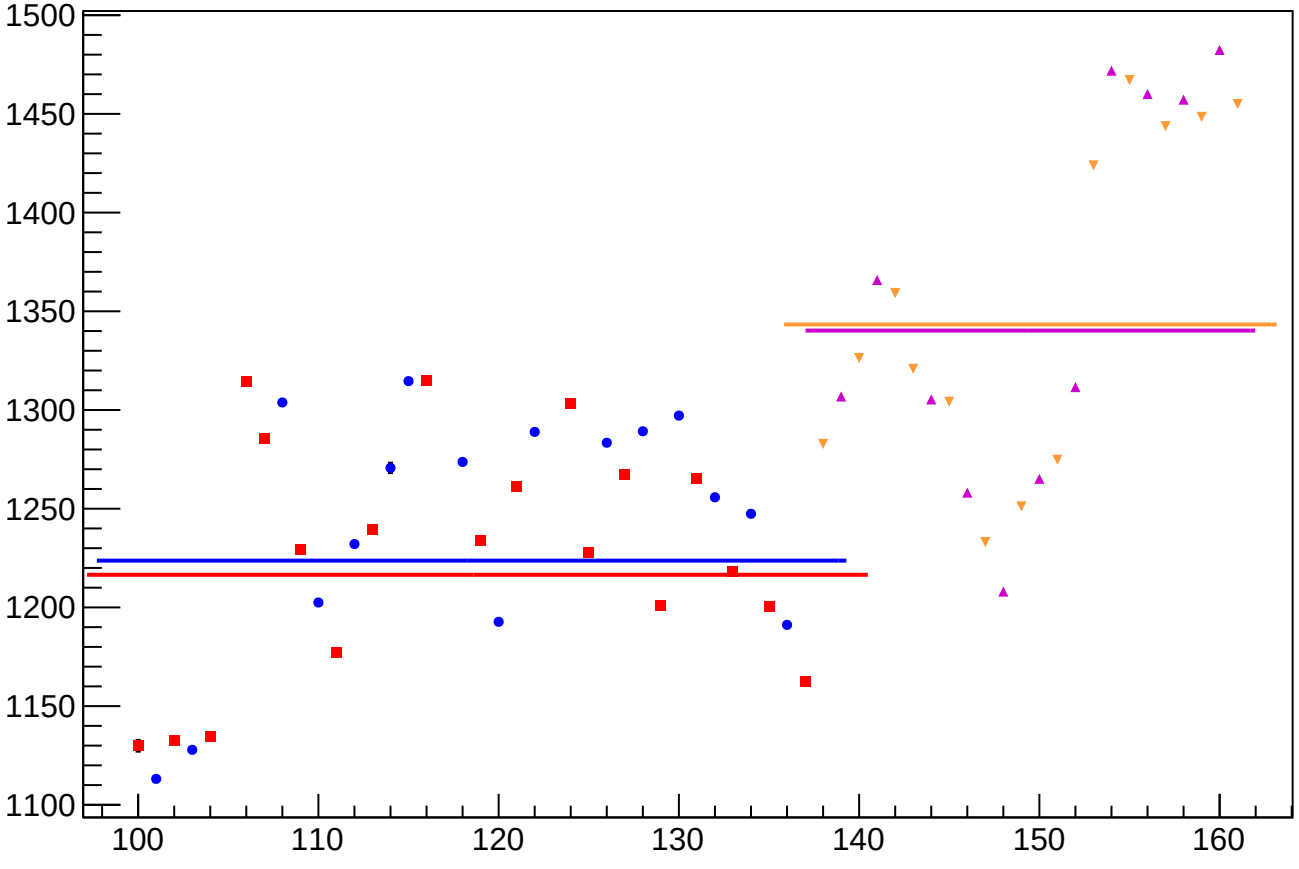
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.512+/-0.315 χ^2/NDF:4363.2/26

Out: -1.580+/-0.305 χ^2/NDF:11399.1/31

All: -6.386+/-0.219 χ^2/NDF: 16277.0/58

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1343.327+/-0.296 χ^2/NDF:76814.2/12

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1340.226+/-0.308 χ^2/NDF:89797.4/10

Left: 1341.838+/-0.213 χ^2/NDF: 166664.4/23

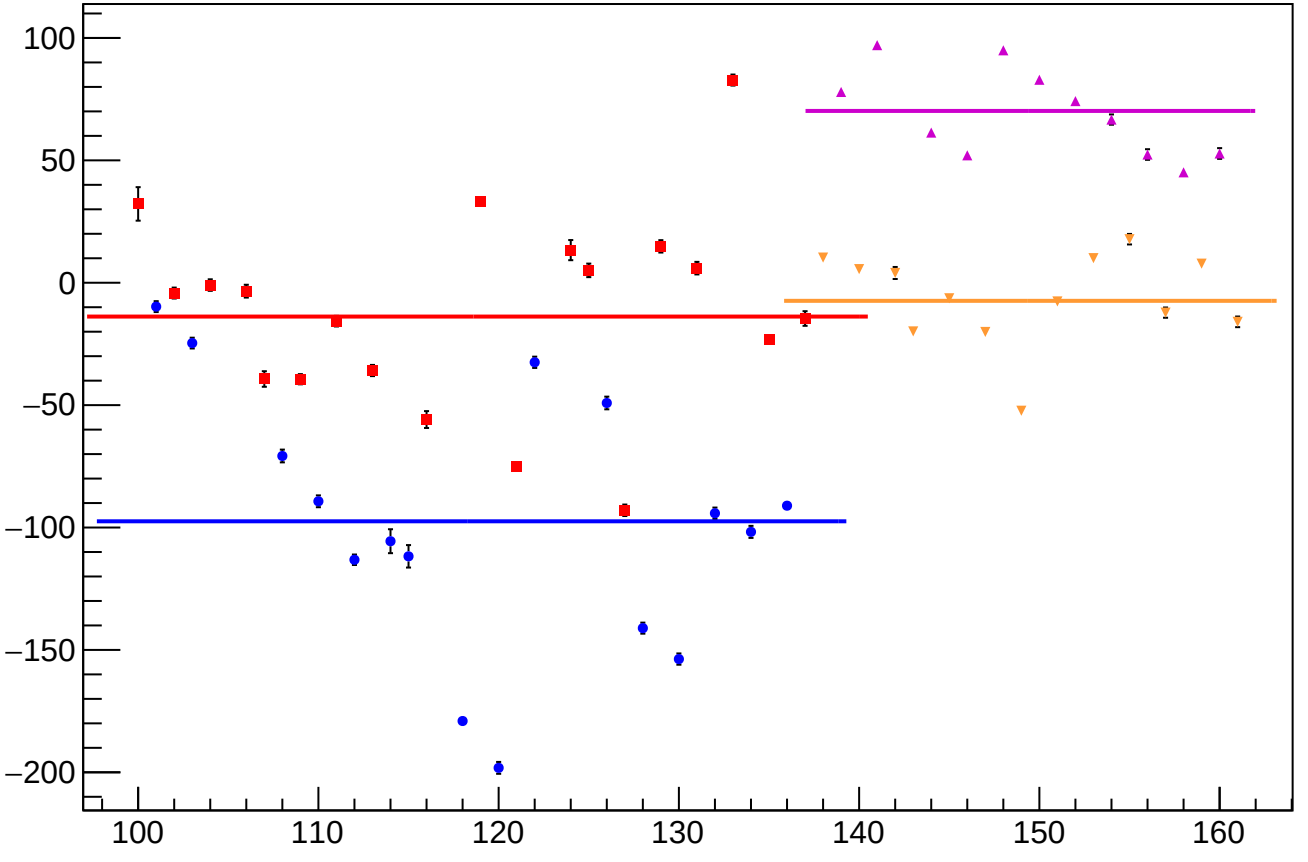
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1284.613+/-0.222 χ^2/NDF:199176.7/26

Out: 1283.787+/-0.215 χ^2/NDF:192567.7/31

All: 1284.187+/-0.155 χ^2/NDF: 391751.5/58

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.389+/-0.537 χ^2/NDF:1184.6/12

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 70.189+/-0.560 χ^2/NDF:926.3/10

Left: 29.733+/-0.387 χ^2/NDF: 12114.2/23

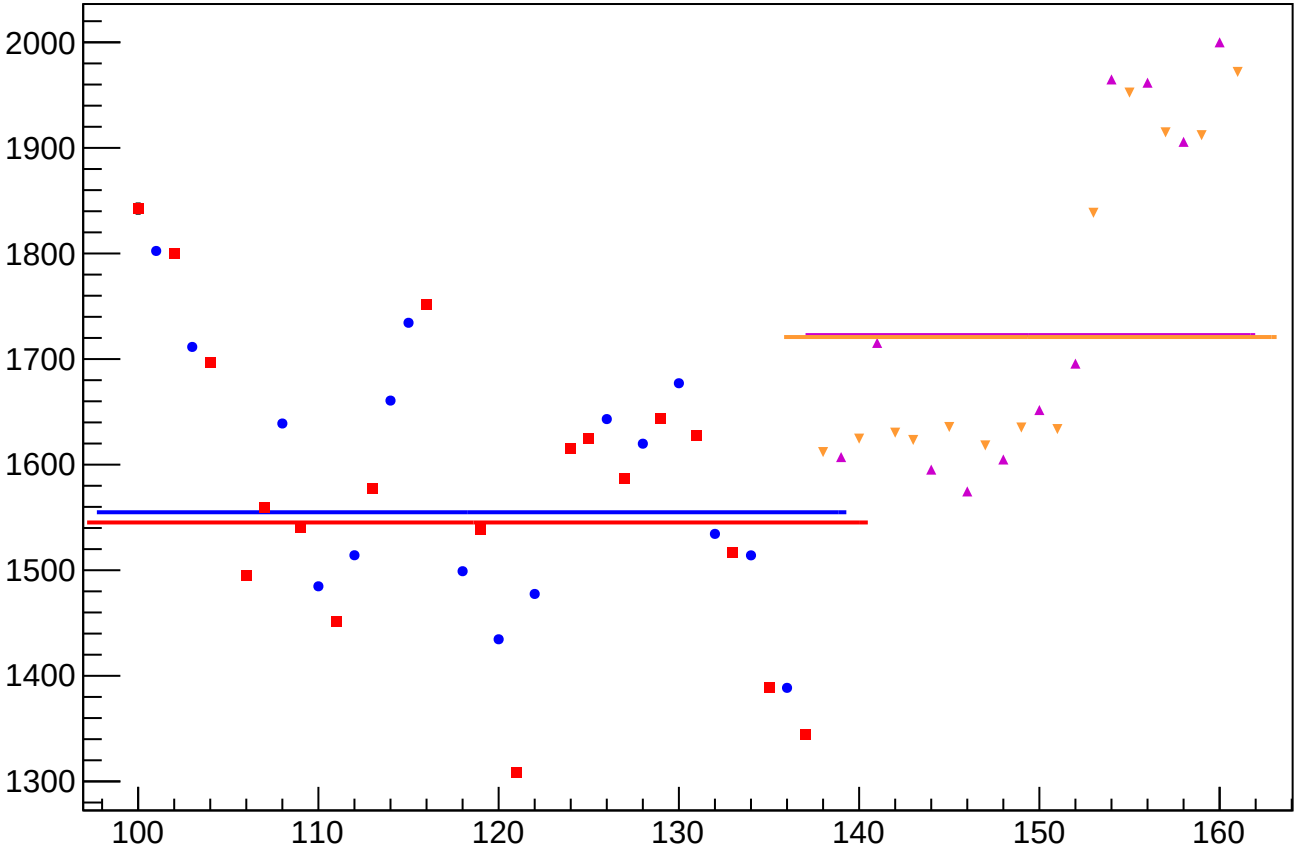
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -10.795+/-0.403 χ^2/NDF:52499.4/26

Out: -10.433+/-0.389 χ^2/NDF:6604.8/31

All: -10.608+/-0.280 χ^2/NDF: 59104.6/58

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1720.866+/-0.379 χ^2/NDF:132970.9/12

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1722.711+/-0.396 χ^2/NDF:148341.1/10

Left: 1721.749+/-0.274 χ^2/NDF: 281323.4/23

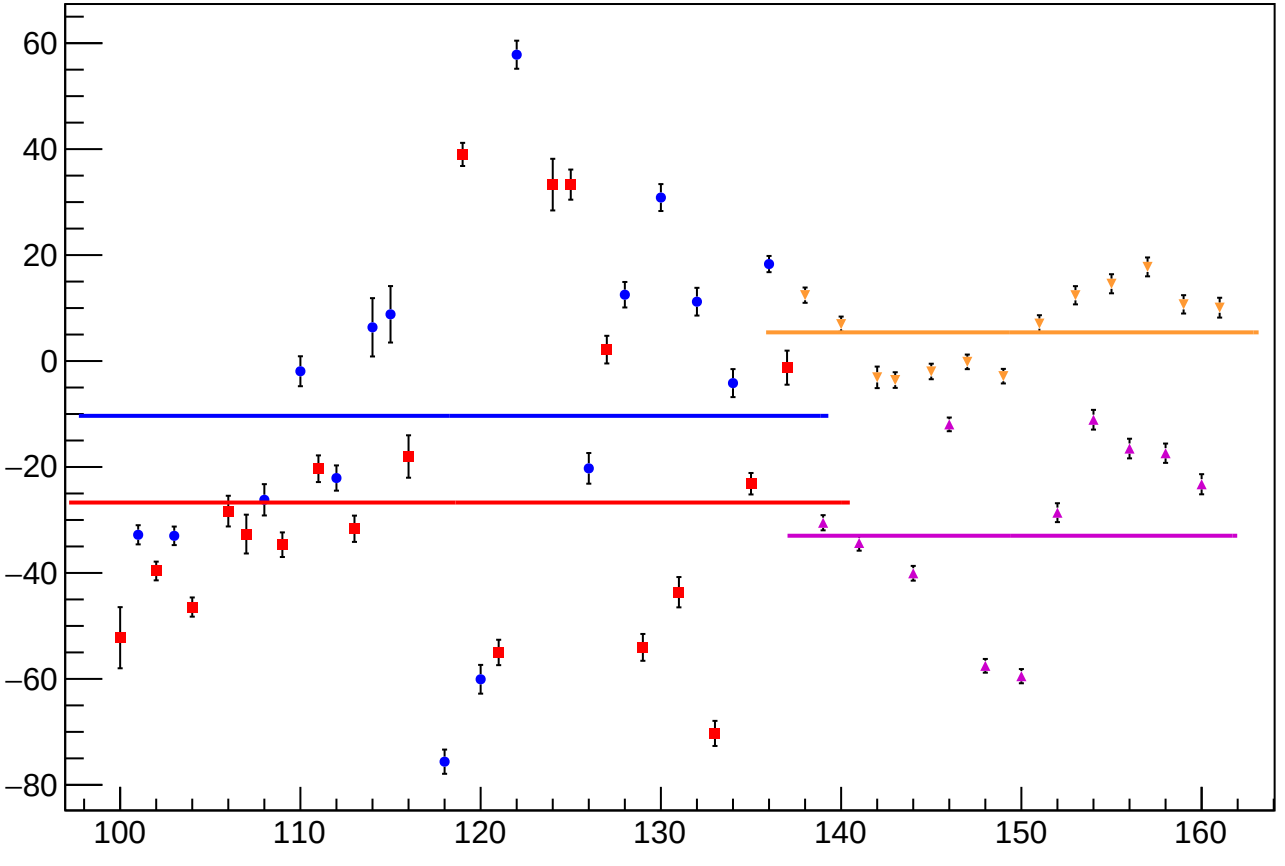
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1641.651+/-0.285 χ^2/NDF:322971.4/26

Out: 1637.690+/-0.275 χ^2/NDF:343246.0/31

All: 1639.603+/-0.198 χ^2/NDF: 666317.3/58

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.411+/-0.440 χ^2/NDF:264.5/12

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -32.976+/-0.462 χ^2/NDF:1364.0/10

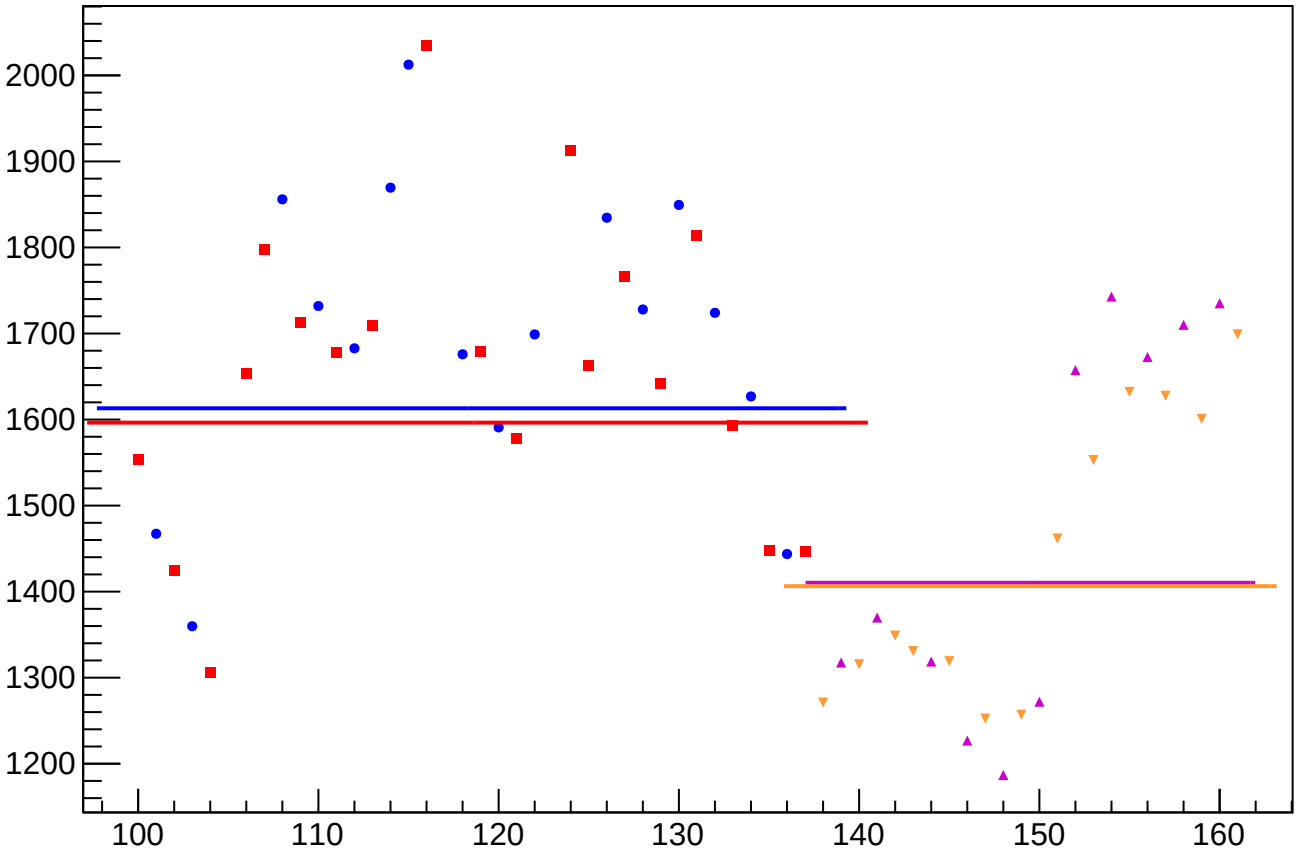
Left: -12.858+/-0.319 χ^2/NDF: 5249.9/23

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.612+/-0.367 χ^2/NDF:5258.6/26

Out: -6.162+/-0.352 χ^2/NDF:4724.8/31

All: -15.010+/-0.254 χ^2/NDF: 11301.2/58



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1406.354+/-0.311 χ^2/NDF:241347.9/12

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1410.290+/-0.327 χ^2/NDF:394176.1/10

Left: 1408.227+/-0.225 χ^2/NDF: 635600.1/23

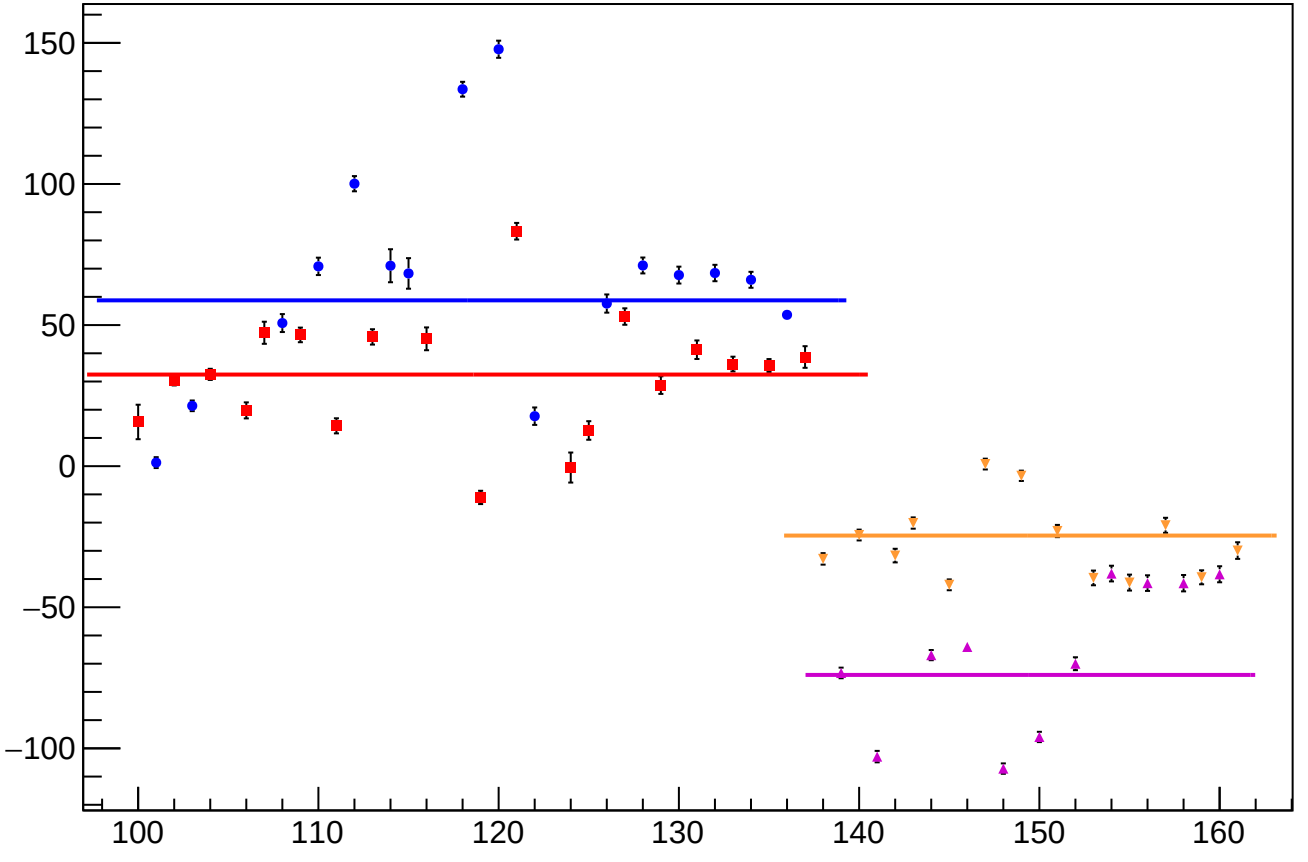
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1485.238+/-0.259 χ^2/NDF:691446.6/26

Out: 1474.844+/-0.249 χ^2/NDF:536519.4/31

All: 1479.829+/-0.180 χ^2/NDF: 1228802.4/58

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.592+/-0.611 χ^2/NDF:530.8/12

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -73.978+/-0.640 χ^2/NDF:1311.1/10

Left: -48.125+/-0.442 χ^2/NDF: 4956.5/23

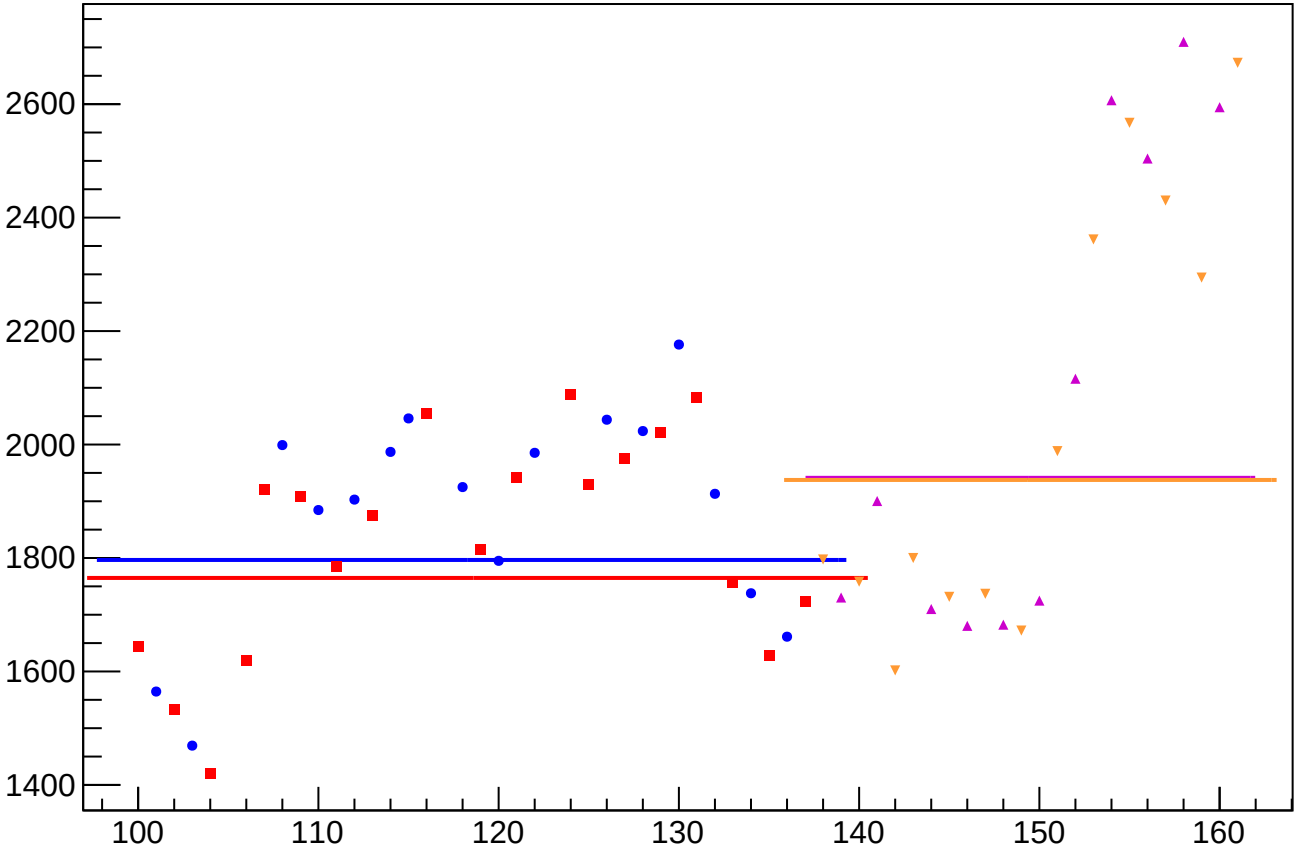
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -10.862+/-0.464 χ^2/NDF:25192.0/26

Out: 2.236+/-0.445 χ^2/NDF:5564.0/31

All: -4.038+/-0.321 χ^2/NDF: 31171.6/58

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1937.580+/-0.432 χ^2/NDF:549779.6/12

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1941.313+/-0.453 χ^2/NDF:624487.7/10

Left: 1939.359+/-0.313 χ^2/NDF: 1174302.9/23

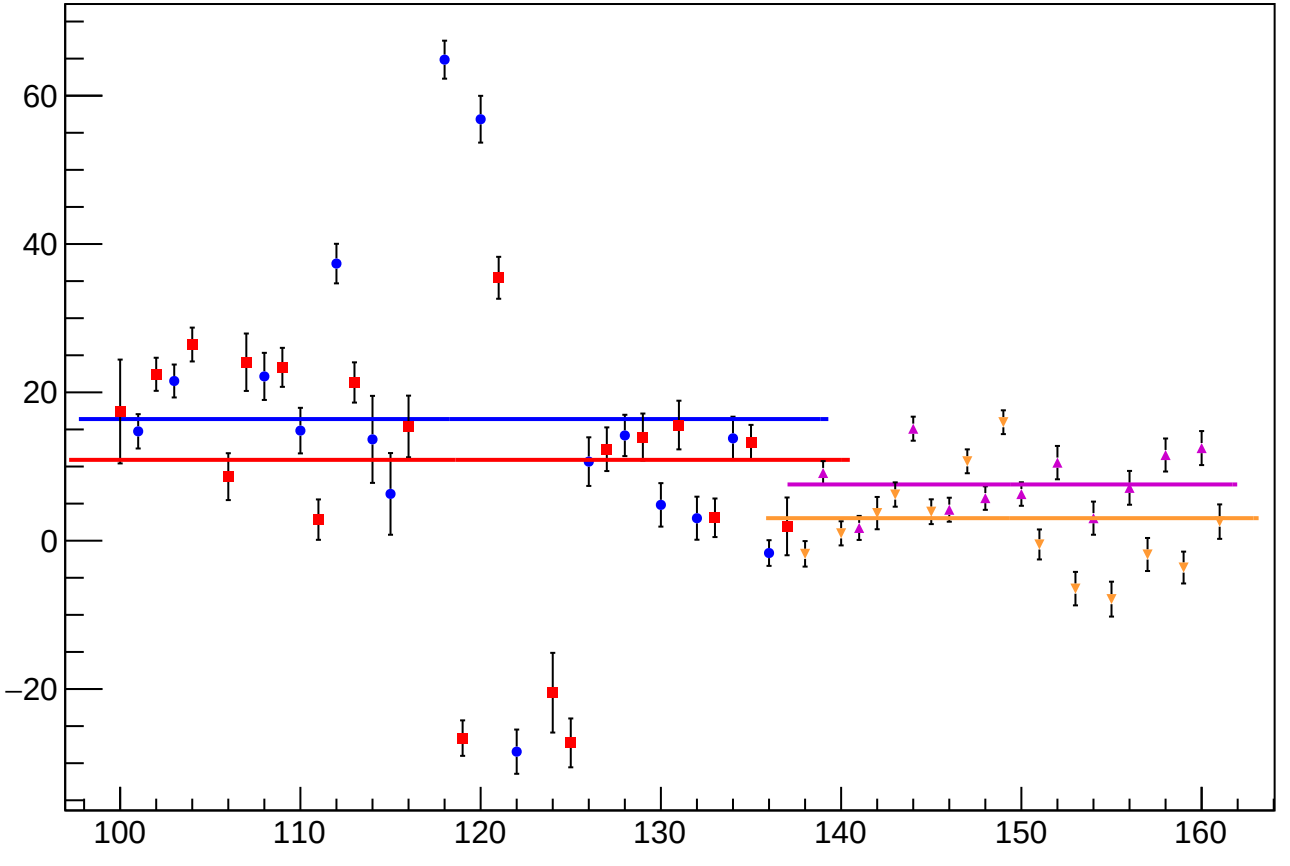
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1872.481+/-0.328 χ^2/NDF:866271.7/26

Out: 1856.370+/-0.314 χ^2/NDF:814947.7/31

All: 1864.088+/-0.227 χ^2/NDF: 1682477.3/58

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.038+/-0.523 χ^2/NDF:158.0/12

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.583+/-0.549 χ^2/NDF:55.6/10

Left: 5.199+/-0.379 χ^2/NDF: 249.6/23

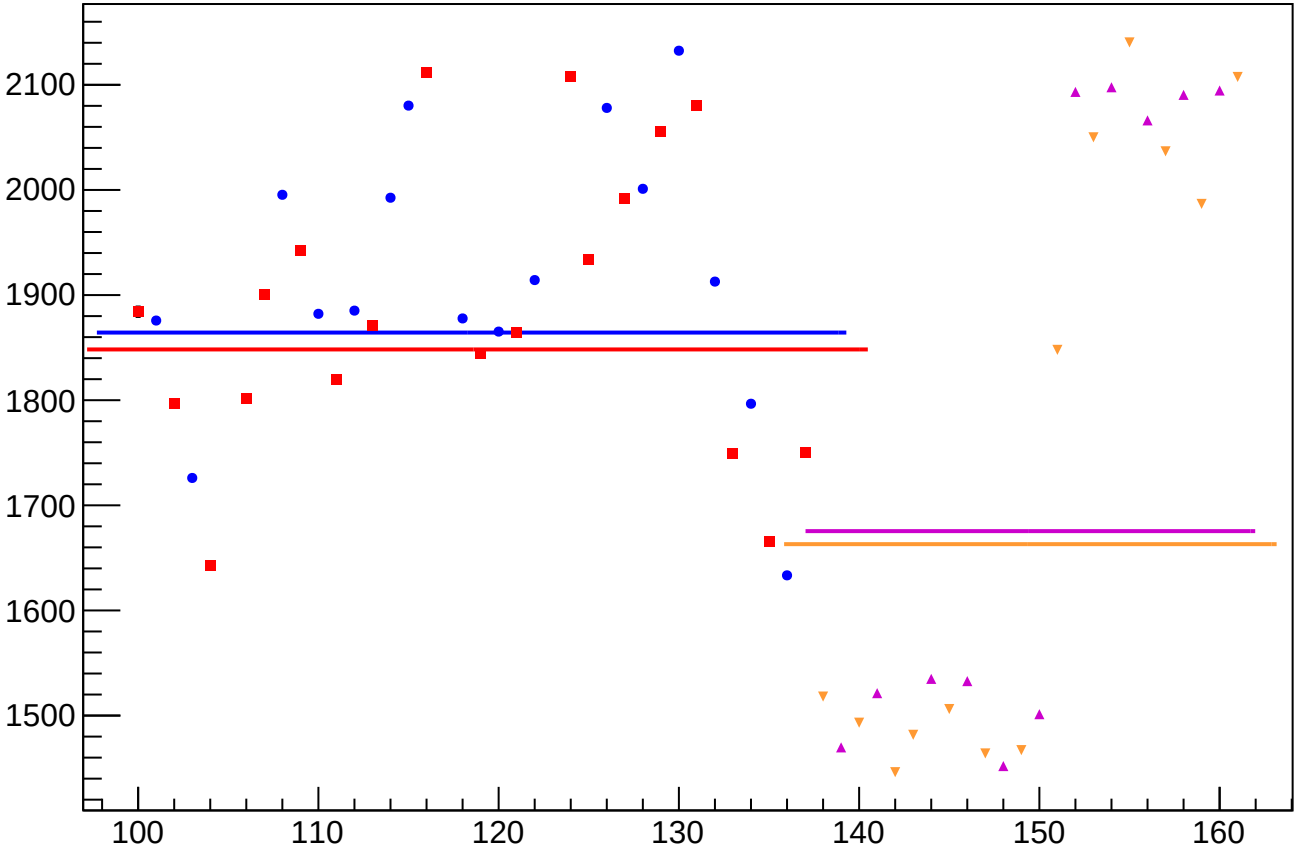
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.974+/-0.431 χ^2/NDF:1127.7/26

Out: 5.980+/-0.414 χ^2/NDF:884.3/31

All: 8.375+/-0.298 χ^2/NDF: 2081.8/58

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1663.065+/-0.370 χ^2/NDF:490955.2/12

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1675.454+/-0.388 χ^2/NDF:481118.6/10

Left: 1668.956+/-0.268 χ^2/NDF: 972607.3/23

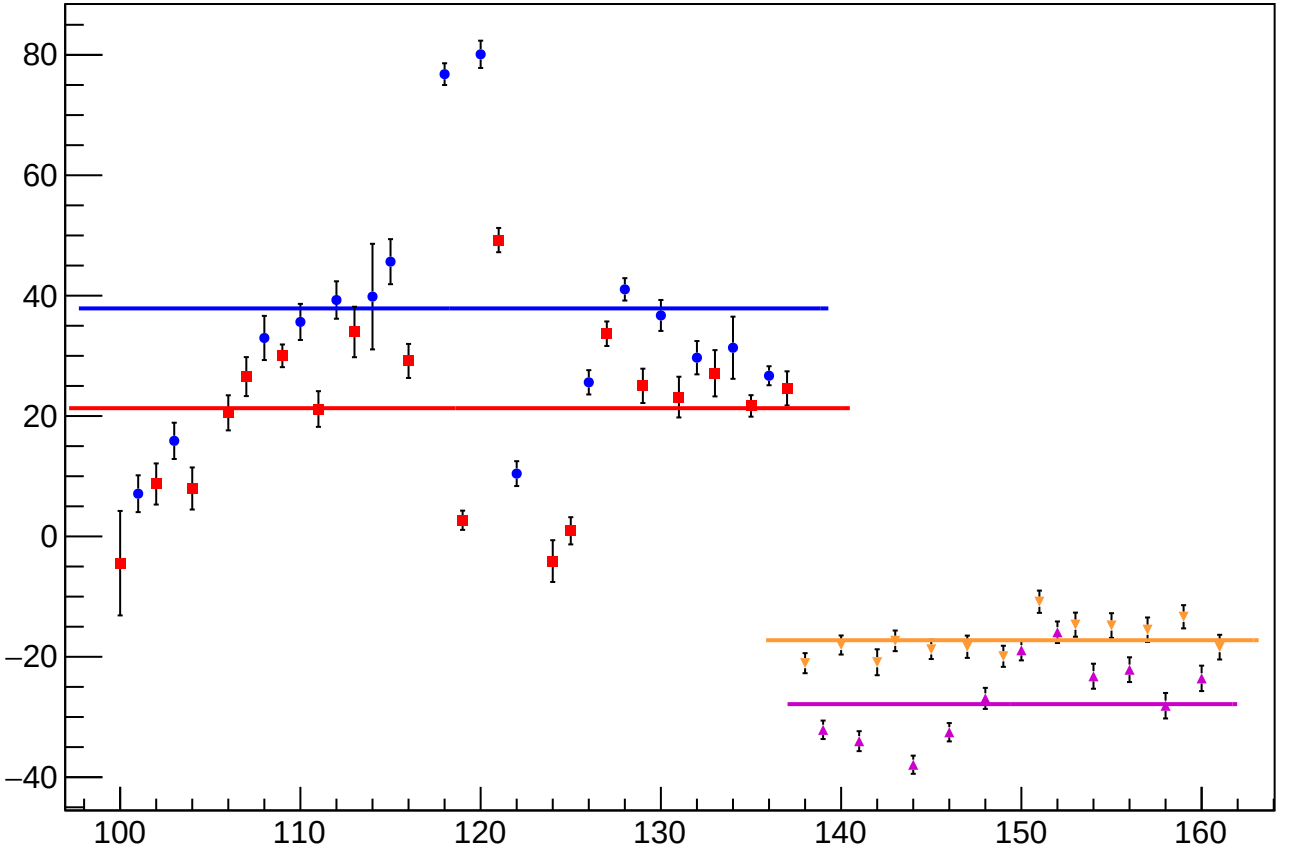
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1748.085+/-0.305 χ^2/NDF:655353.5/26

Out: 1732.400+/-0.293 χ^2/NDF:659779.8/31

All: 1739.924+/-0.211 χ^2/NDF: 1316511.9/58

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.244+/-0.510 χ^2/NDF:32.1/12

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.860+/-0.530 χ^2/NDF:165.3/10

Left: -22.352+/-0.367 χ^2/NDF: 406.0/23

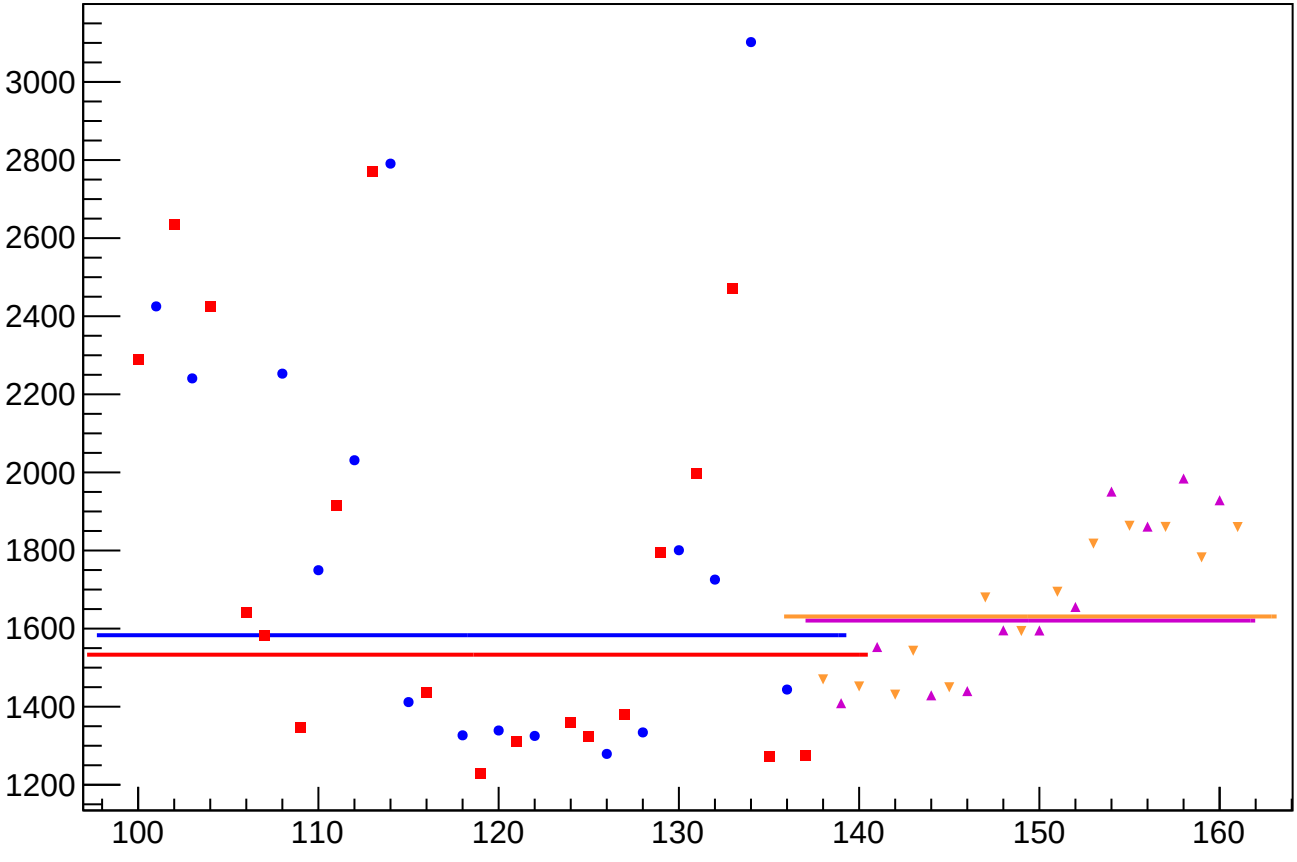
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -0.254+/-0.403 χ^2/NDF:7887.4/26

Out: -0.854+/-0.387 χ^2/NDF:3044.6/31

All: -0.567+/-0.279 χ^2/NDF: 10933.1/58

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1631.065+/-0.361 χ^2/NDF:202449.4/12

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1620.623+/-0.374 χ^2/NDF:282694.1/10

Left: 1626.041+/-0.260 χ^2/NDF: 485547.0/23

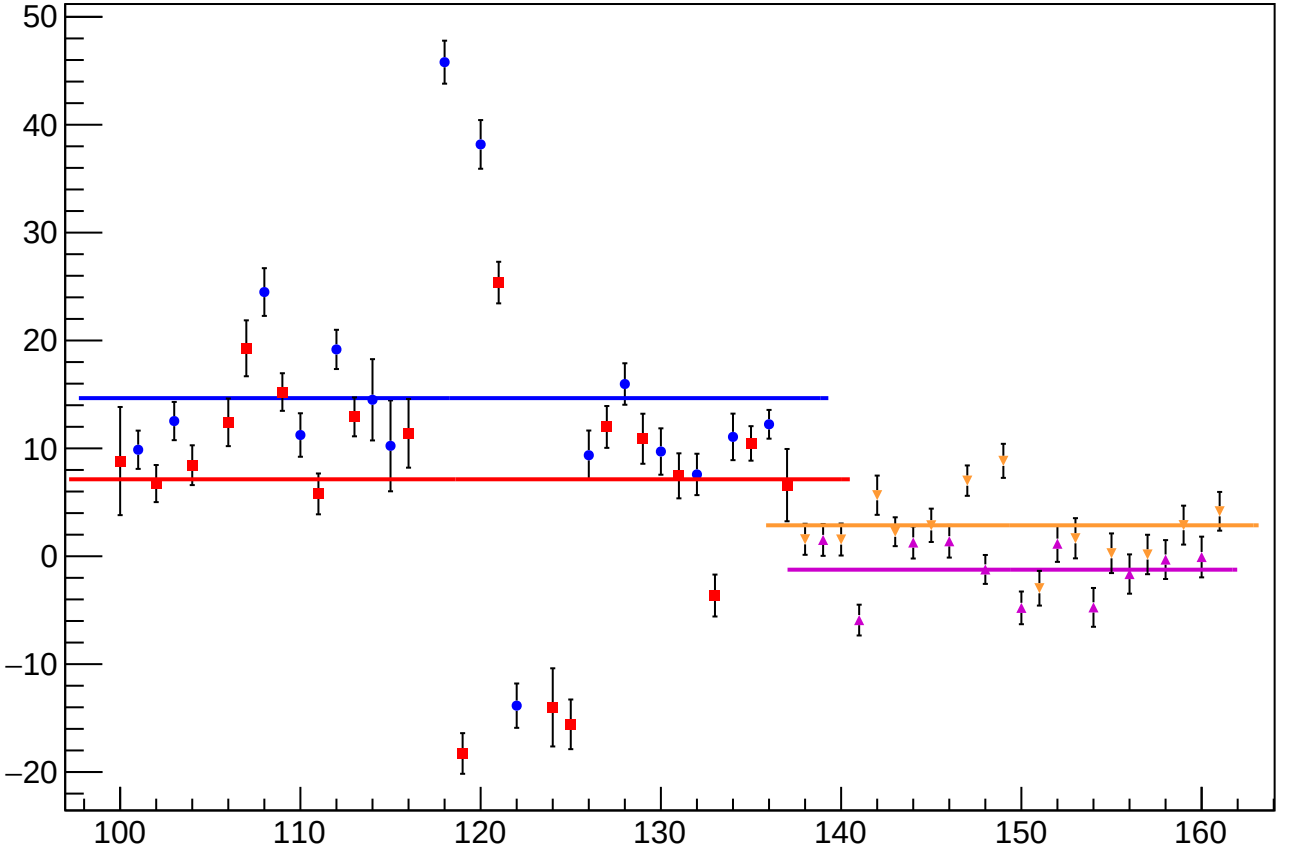
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1604.845+/-0.285 χ^2/NDF:1074595.0/26

Out: 1589.453+/-0.273 χ^2/NDF:1184553.6/31

All: 1596.824+/-0.197 χ^2/NDF: 2260666.7/58

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.870+/-0.447 χ^2/NDF:45.4/12

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.244+/-0.478 χ^2/NDF:32.1/10

Left: 0.951+/-0.326 χ^2/NDF: 117.0/23

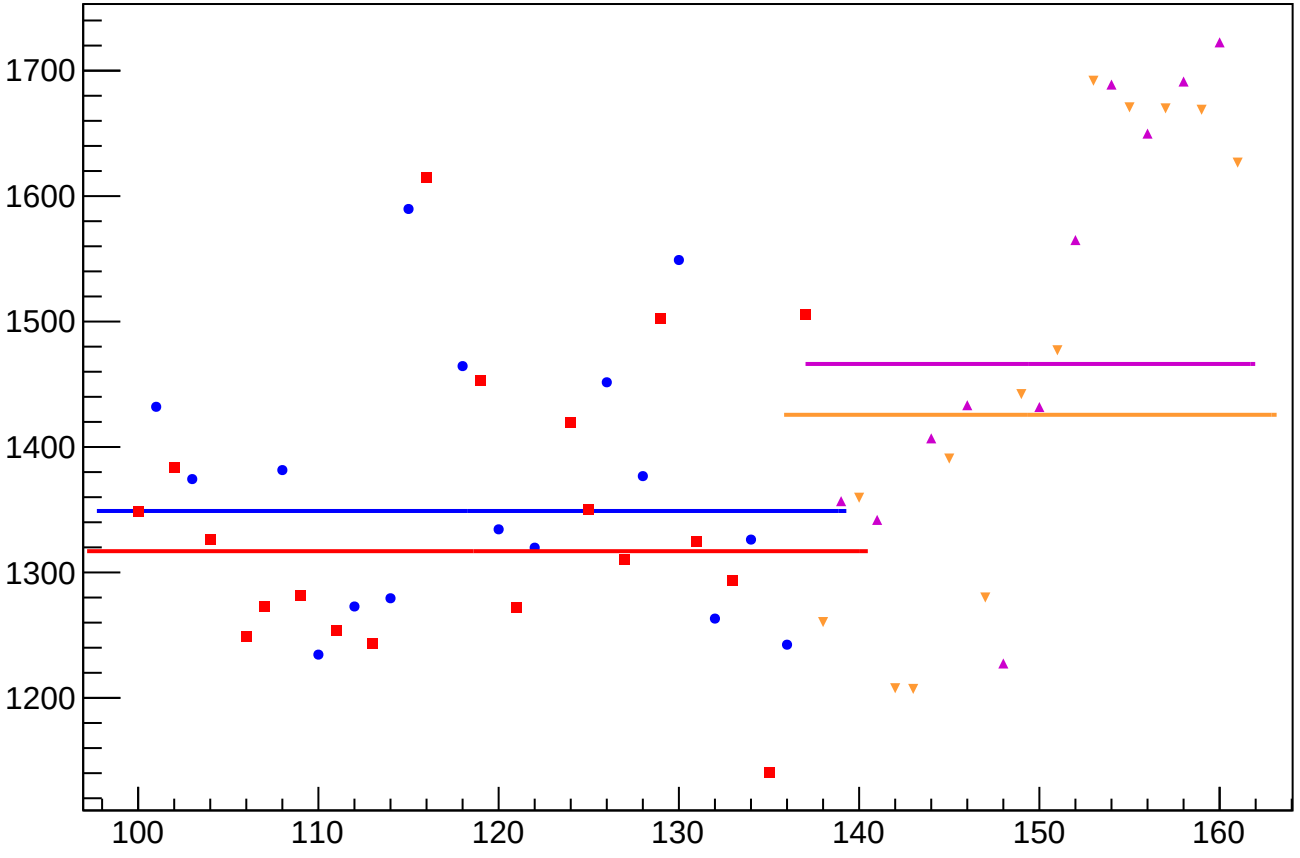
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 6.275+/-0.347 χ^2/NDF:1170.7/26

Out: 4.835+/-0.328 χ^2/NDF:596.8/31

All: 5.515+/-0.238 χ^2/NDF: 1776.5/58

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1425.673+/-0.316 χ^2/NDF:310638.7/12

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1466.199+/-0.338 χ^2/NDF:220668.8/10

Left: 1444.578+/-0.231 χ^2/NDF: 538985.1/23

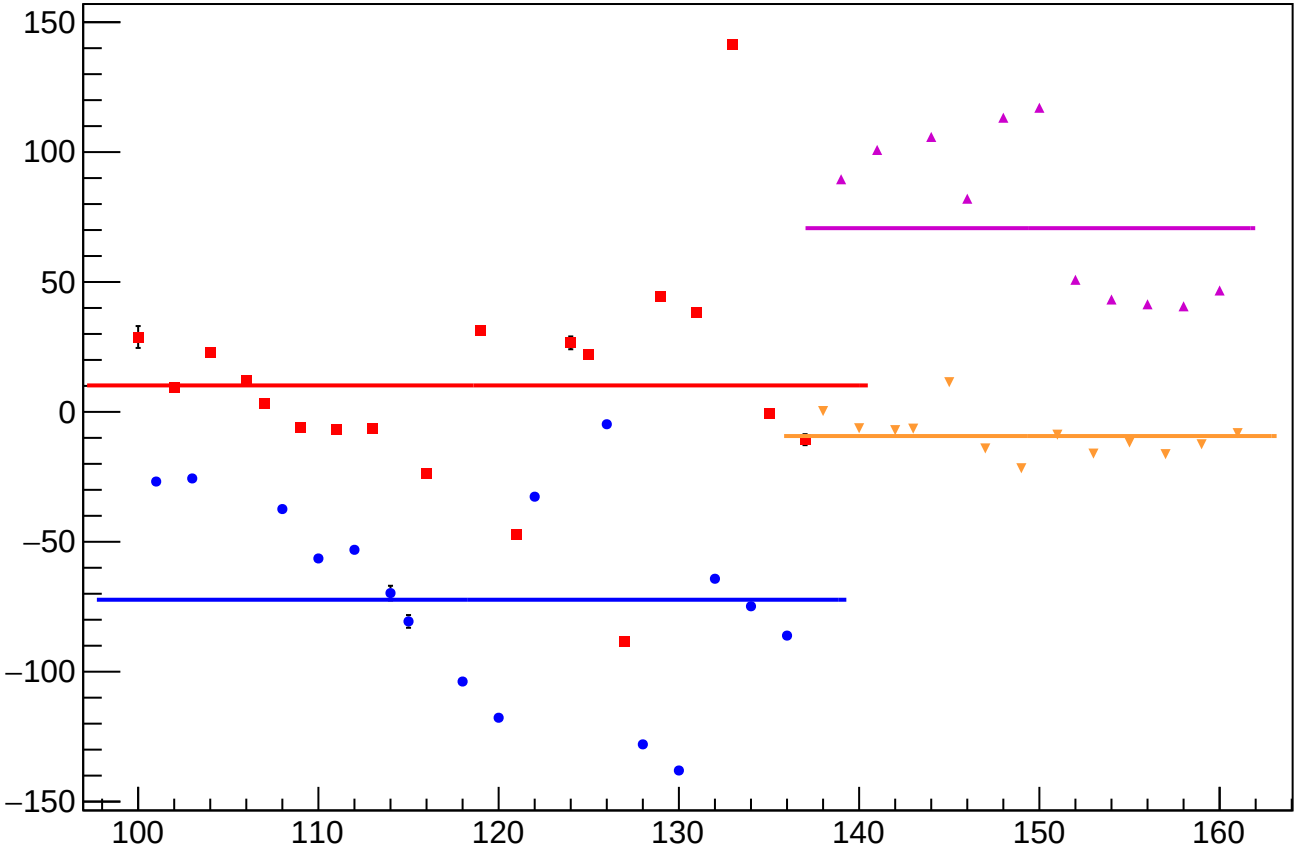
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1410.788+/-0.245 χ^2/NDF:345956.2/26

Out: 1375.570+/-0.232 χ^2/NDF:452096.1/31

All: 1392.195+/-0.169 χ^2/NDF: 808934.9/58

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.297+/-0.270 χ^2/NDF:782.4/12

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 70.719+/-0.289 χ^2/NDF:10030.1/10

Left: 27.932+/-0.197 χ^2/NDF: 51714.9/23

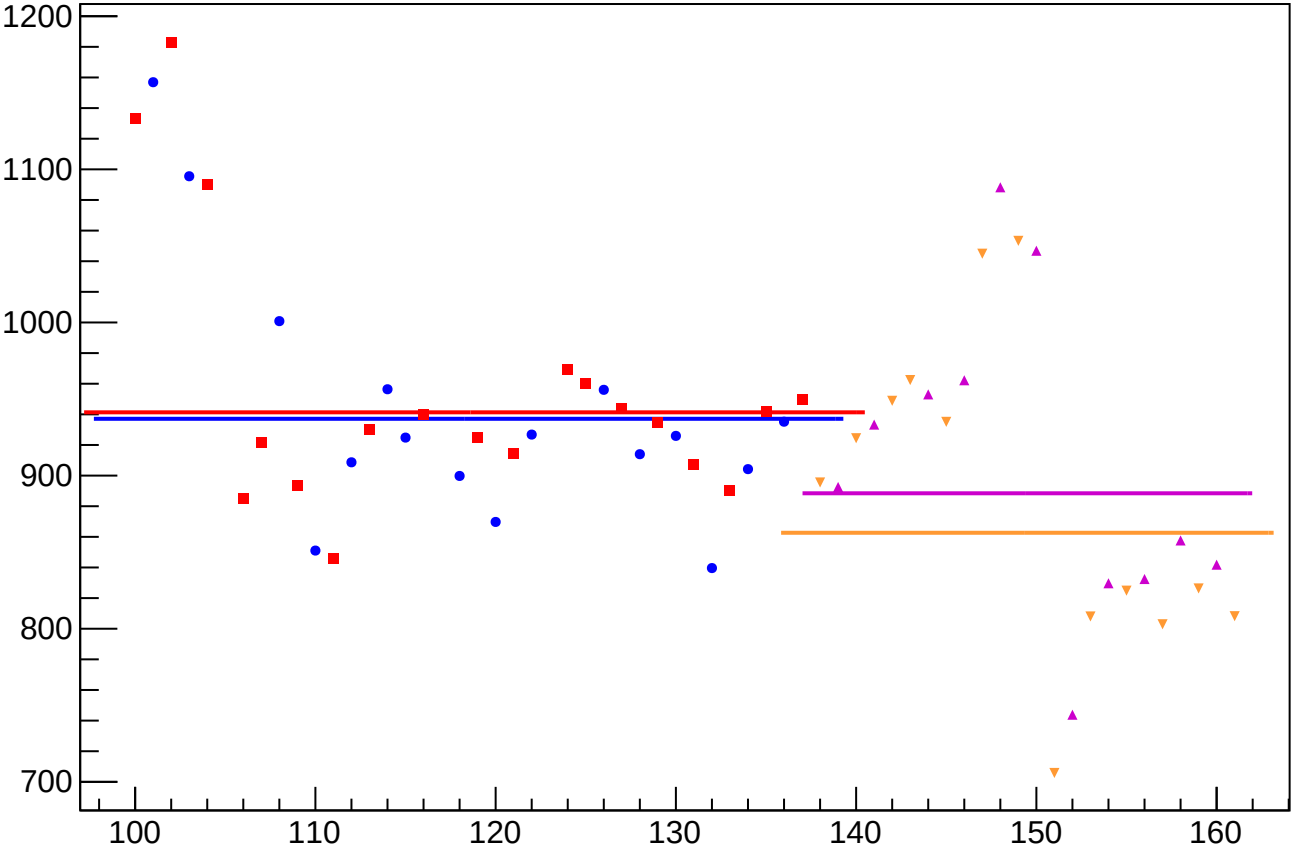
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 12.555+/-0.223 χ^2/NDF:121569.4/26

Out: -1.888+/-0.212 χ^2/NDF:21810.6/31

All: 4.989+/-0.154 χ^2/NDF: 145580.4/58

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 862.667+/-0.191 χ^2/NDF:263619.3/12

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 888.451+/-0.205 χ^2/NDF:209211.4/10

Left: 874.664+/-0.140 χ^2/NDF: 481325.2/23

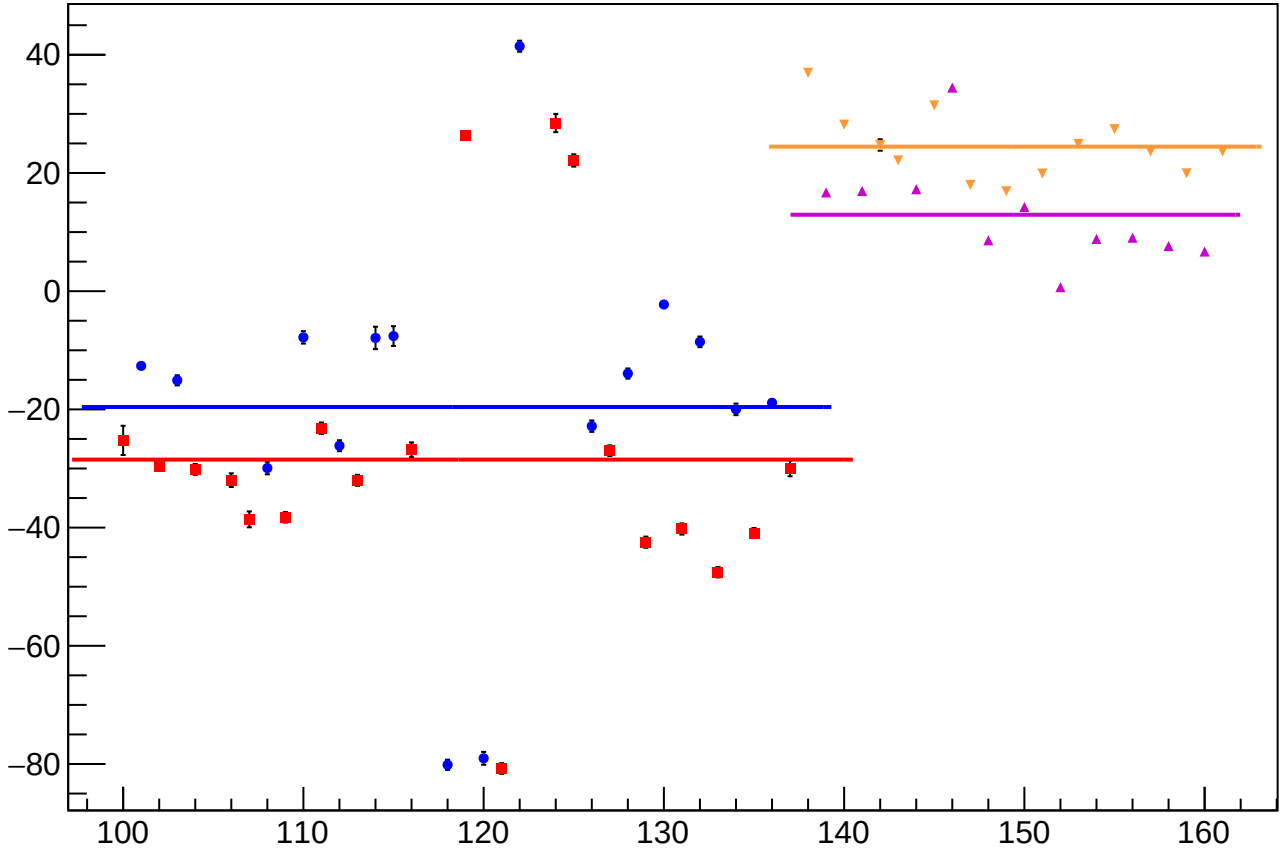
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 908.234+/-0.158 χ^2/NDF:336867.0/26

Out: 892.575+/-0.150 χ^2/NDF:429252.6/31

All: 900.031+/-0.109 χ^2/NDF: 771293.0/58

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.459+/-0.207 χ^2/NDF:711.7/12

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 12.935+/-0.221 χ^2/NDF:1548.1/10

Left: 19.080+/-0.151 χ^2/NDF: 3712.9/23

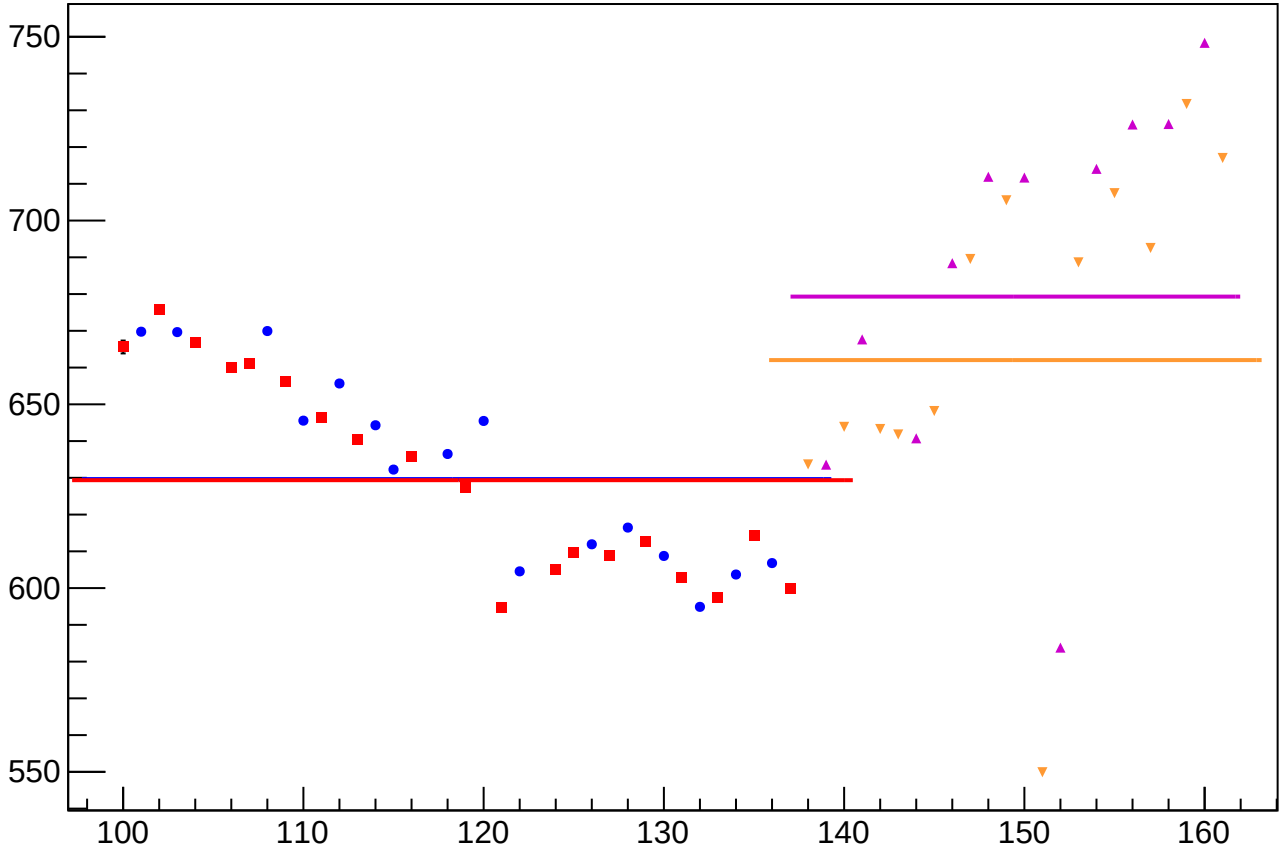
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -2.381+/-0.161 χ^2/NDF:24941.5/26

Out: 0.782+/-0.154 χ^2/NDF:43074.5/31

All: -0.729+/-0.111 χ^2/NDF: 68218.7/58

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 662.037+/-0.146 χ^2/NDF:124376.2/12

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 679.310+/-0.156 χ^2/NDF:101238.6/10

Left: 670.099+/-0.107 χ^2/NDF: 232144.0/23

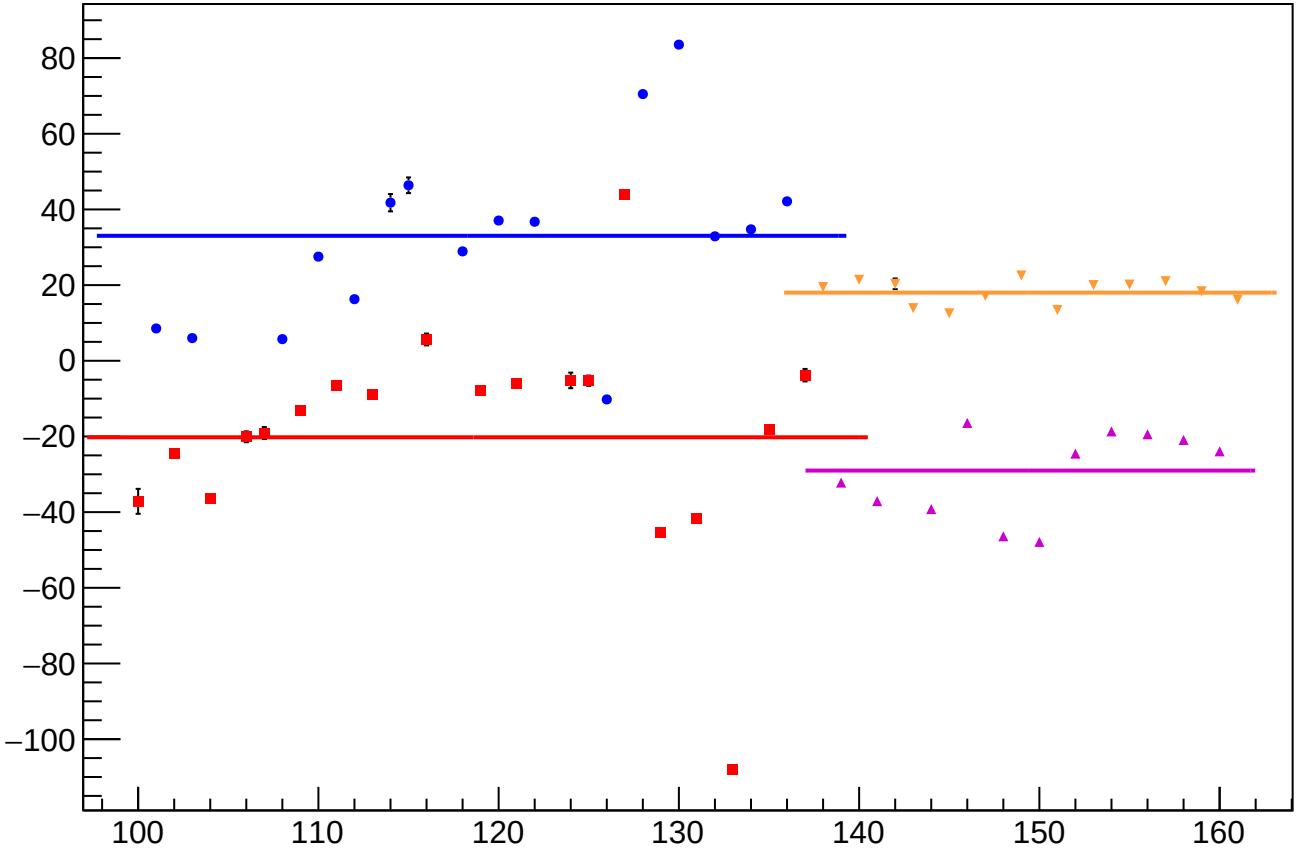
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 655.934+/-0.114 χ^2/NDF:174180.9/26

Out: 647.427+/-0.109 χ^2/NDF:173548.9/31

All: 651.491+/-0.078 χ^2/NDF: 350661.2/58

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.013+/-0.295 χ^2/NDF:116.4/12

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -29.012+/-0.311 χ^2/NDF:1131.9/10

Left: -4.209+/-0.214 χ^2/NDF: 13272.7/23

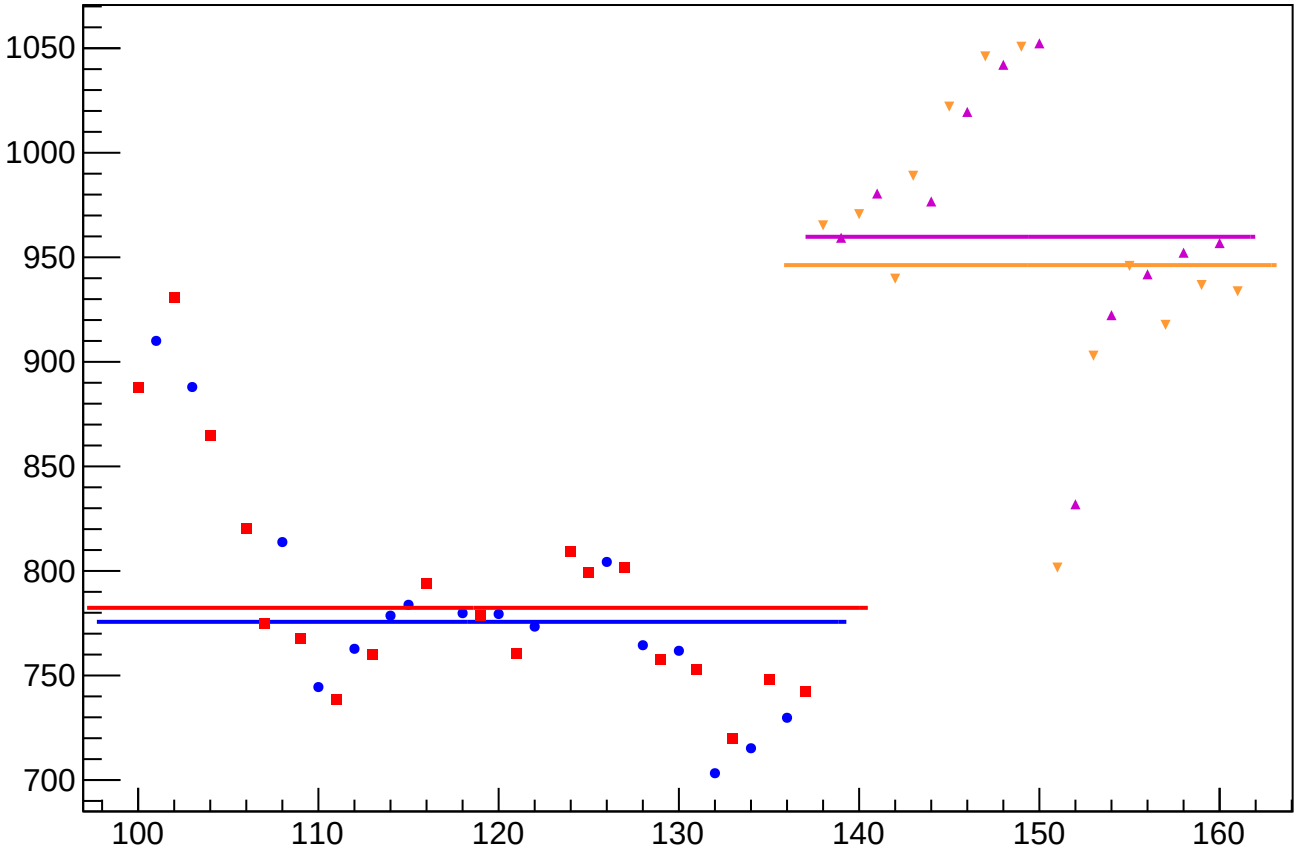
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 4.337+/-0.212 χ^2/NDF:29163.2/26

Out: -1.683+/-0.205 χ^2/NDF:20649.9/31

All: 1.233+/-0.147 χ^2/NDF: 50229.7/58

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 946.270+/-0.208 χ^2/NDF:106098.2/12

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 959.821+/-0.220 χ^2/NDF:76155.9/10

Left: 952.673+/-0.151 χ^2/NDF: 184251.0/23

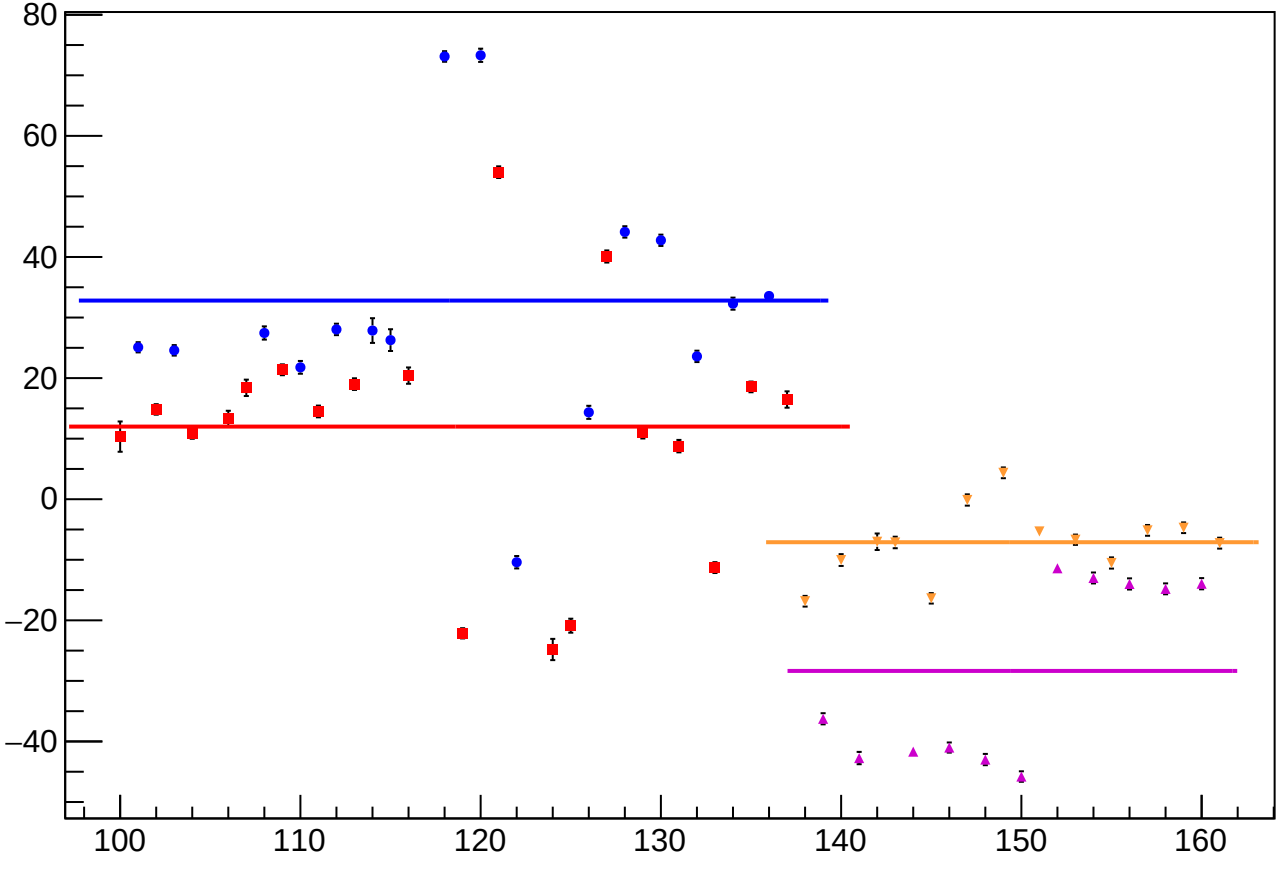
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 860.836+/-0.150 χ^2/NDF:526651.8/26

Out: 861.820+/-0.145 χ^2/NDF:489228.2/31

All: 861.344+/-0.104 χ^2/NDF: 1015902.3/58

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.100+/-0.249 χ^2/NDF:499.7/12

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -28.354+/-0.264 χ^2/NDF:2975.0/10

Left: -17.089+/-0.181 χ^2/NDF: 6897.7/23

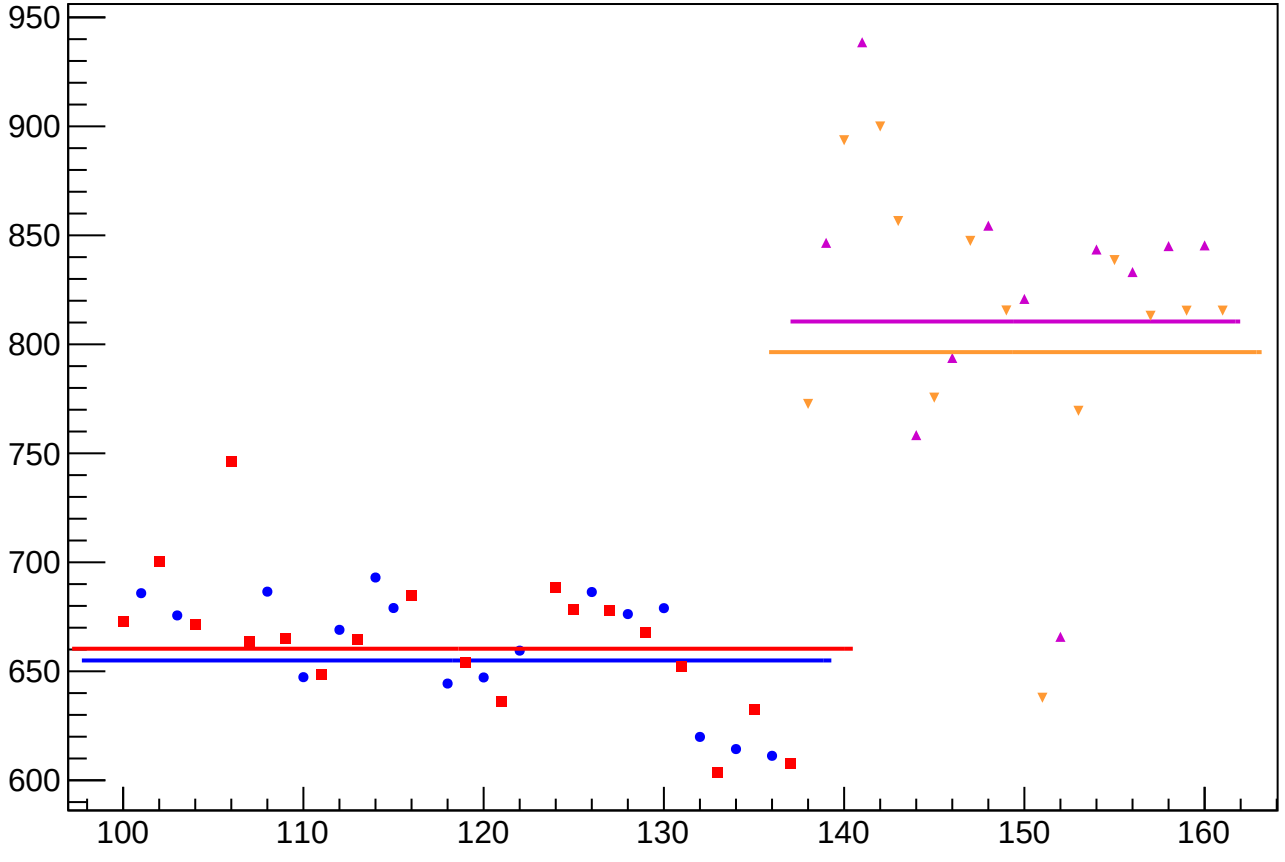
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 4.744+/-0.179 χ^2/NDF:38172.4/26

Out: 2.755+/-0.173 χ^2/NDF:10093.2/31

All: 3.716+/-0.125 χ^2/NDF: 48329.3/58

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 796.426+/-0.176 χ^2/NDF:161947.6/12

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 810.473+/-0.187 χ^2/NDF:138447.9/10

Left: 803.028+/-0.128 χ^2/NDF: 303385.9/23

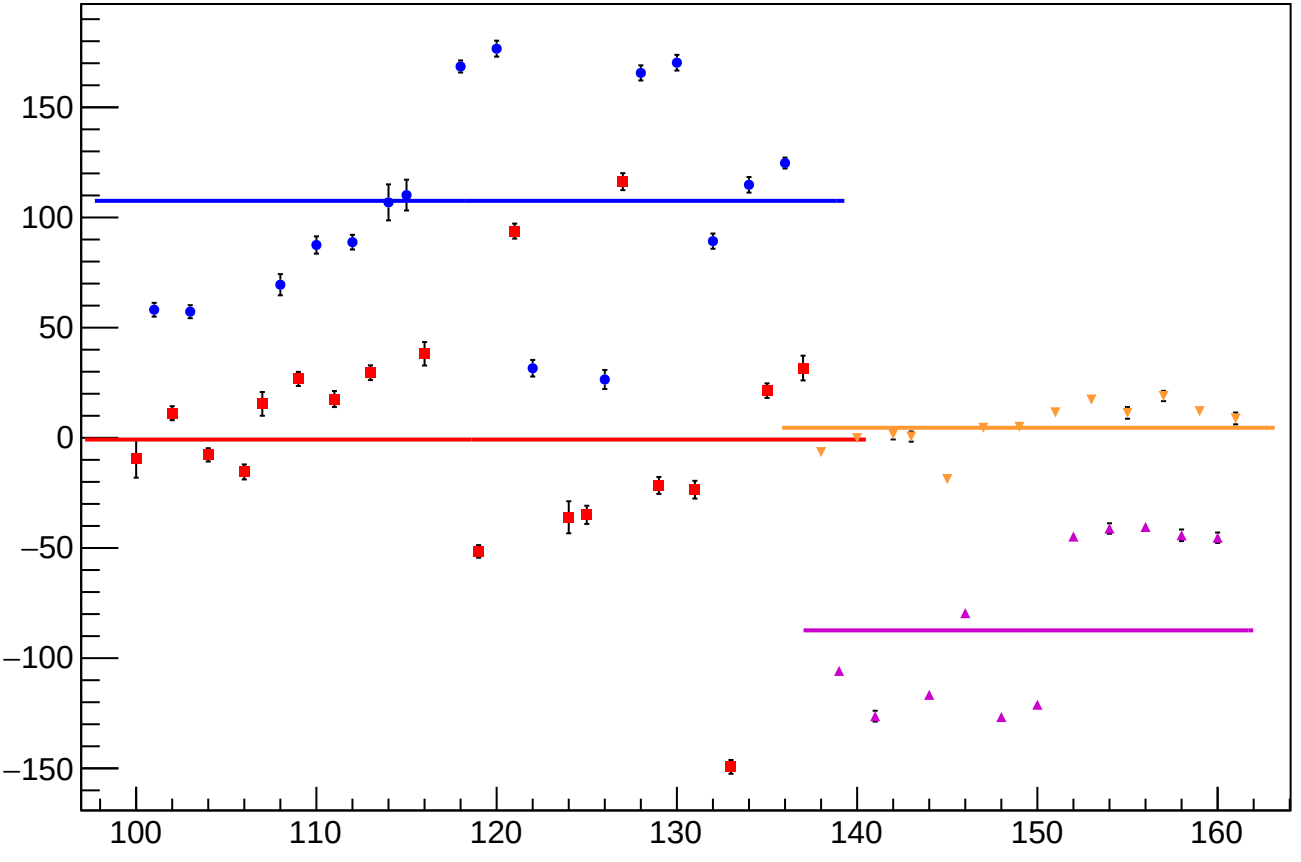
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 726.316+/-0.127 χ^2/NDF:539372.6/26

Out: 726.193+/-0.122 χ^2/NDF:500531.1/31

All: 726.252+/-0.088 χ^2/NDF: 1039904.2/58

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.564+/-0.589 χ^2/NDF:279.2/12

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -87.385+/-0.611 χ^2/NDF:3301.8/10

Left: -39.753+/-0.424 χ^2/NDF: 15327.0/23

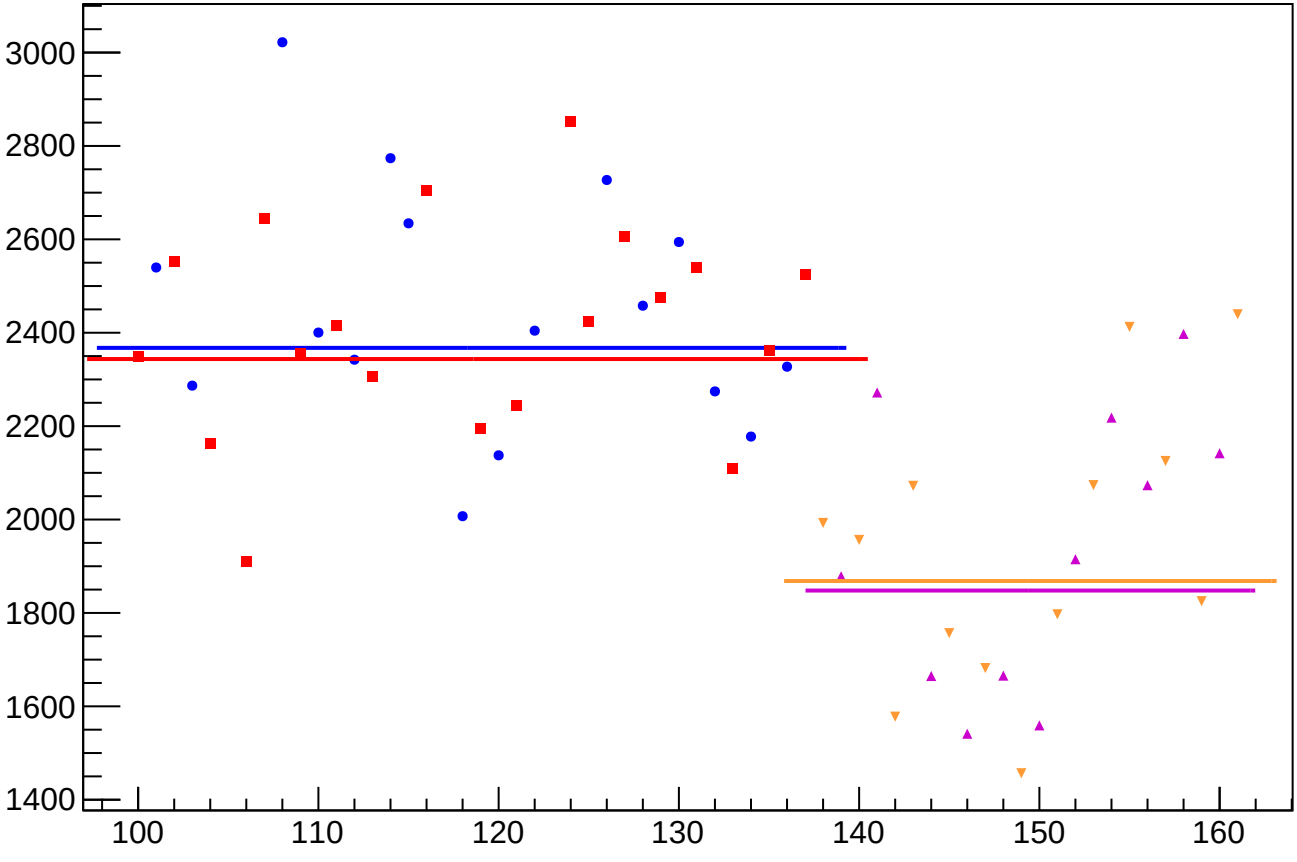
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -24.547+/-0.503 χ^2/NDF:39108.9/26

Out: 2.857+/-0.486 χ^2/NDF:5069.4/31

All: -10.386+/-0.349 χ^2/NDF: 45714.3/58

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1868.381+/-0.416 χ^2/NDF:432186.1/12

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1847.957+/-0.432 χ^2/NDF:421135.9/10

Left: 1858.537+/-0.300 χ^2/NDF: 854481.2/23

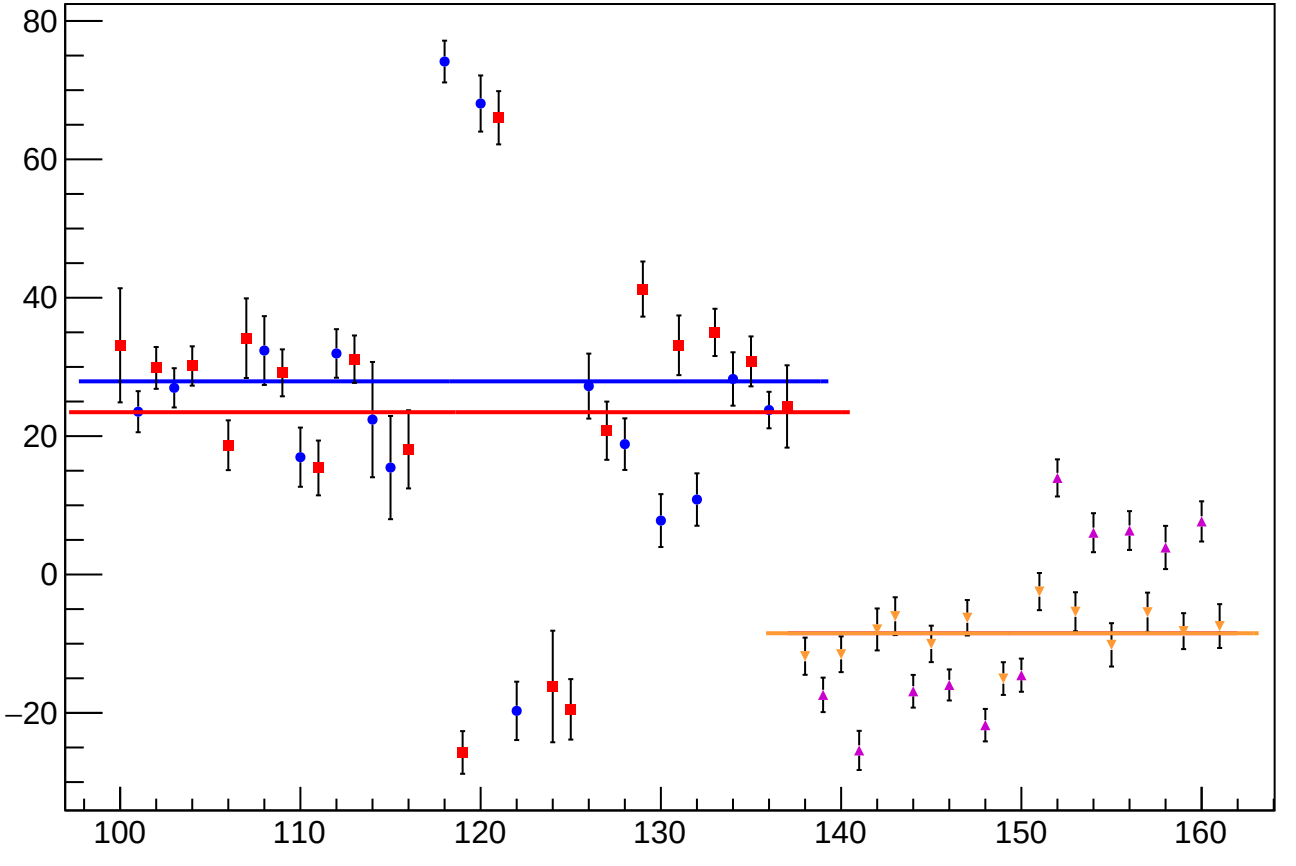
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2015.477+/-0.355 χ^2/NDF:1014859.5/26

Out: 2019.950+/-0.344 χ^2/NDF:959805.8/31

All: 2017.788+/-0.247 χ^2/NDF: 1974747.1/58

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.489+/-0.757 χ^2/NDF:20.3/12

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -8.476+/-0.783 χ^2/NDF:282.0/10

Left: -8.482+/-0.544 χ^2/NDF: 302.4/23

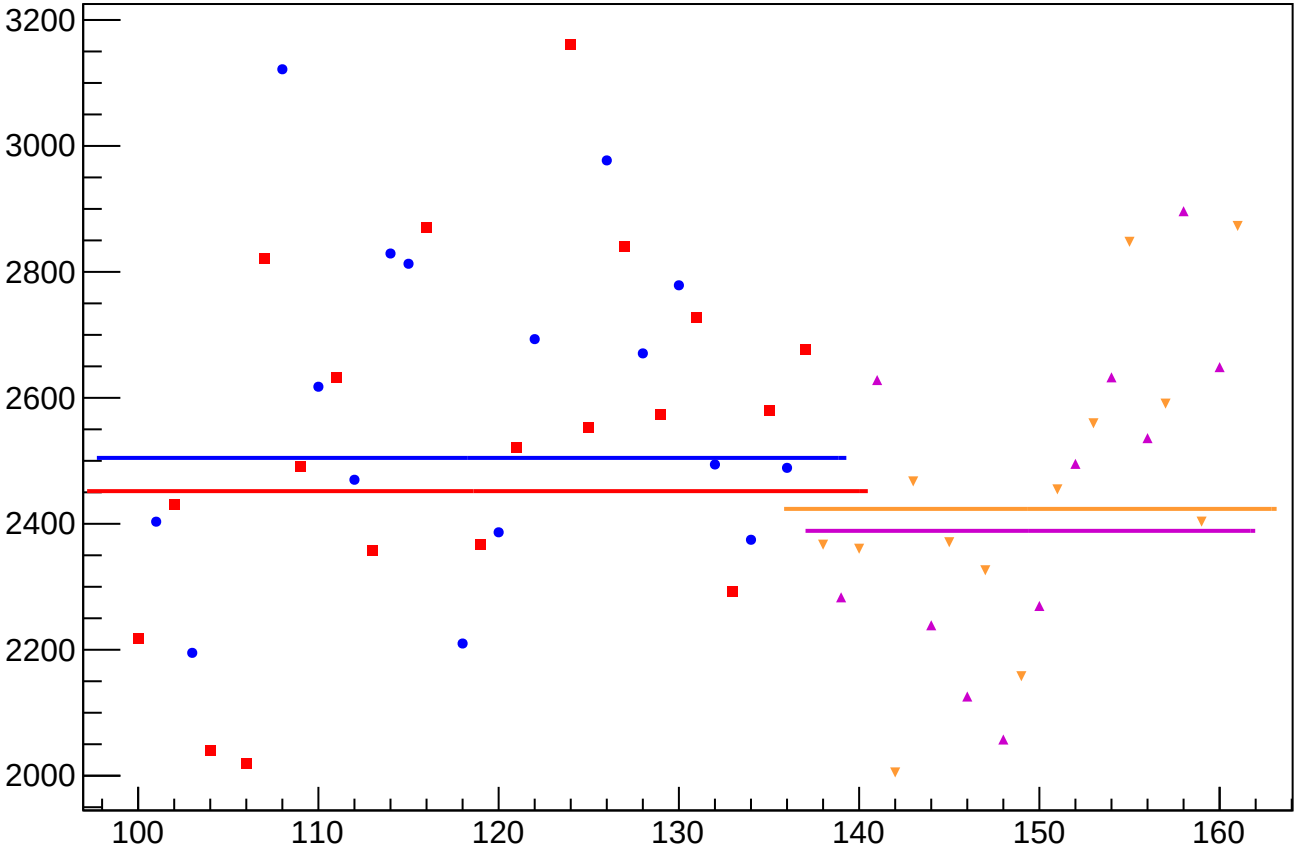
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.488+/-0.601 χ^2/NDF:1701.4/26

Out: 4.702+/-0.580 χ^2/NDF:1323.6/31

All: 5.564+/-0.417 χ^2/NDF: 3029.6/58

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2423.684+/-0.535 χ^2/NDF:158554.3/12

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2388.832+/-0.554 χ^2/NDF:190645.0/10

Left: 2406.843+/-0.385 χ^2/NDF: 351248.0/23

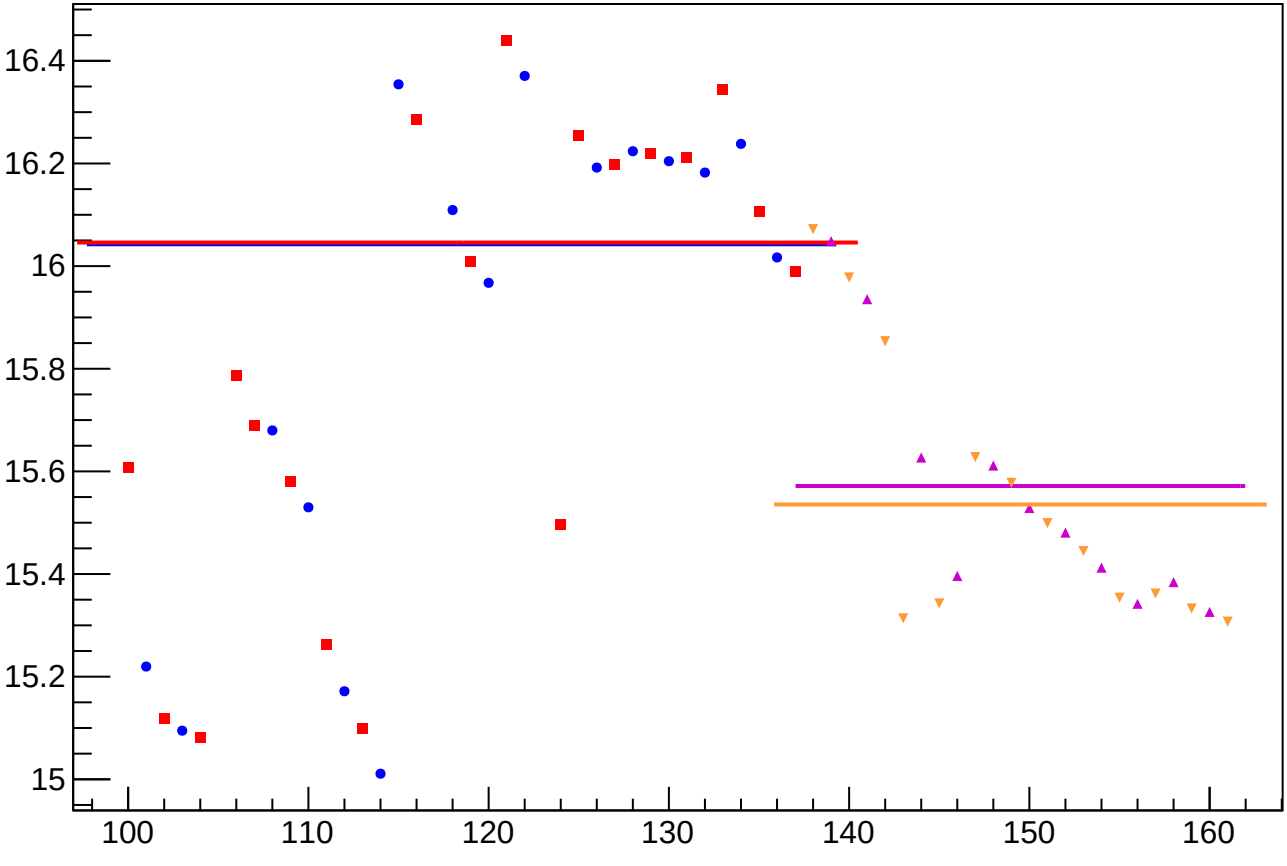
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2436.456+/-0.425 χ^2/NDF:335246.6/26

Out: 2435.326+/-0.410 χ^2/NDF:312937.2/31

All: 2435.871+/-0.295 χ^2/NDF: 648187.4/58

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.536+/-0.000 χ^2/NDF:6065668766.7/12

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.572+/-0.000 χ^2/NDF:4073320426.1/10

Left: 15.552+/-0.000 χ^2/NDF: 10188581634.0/23

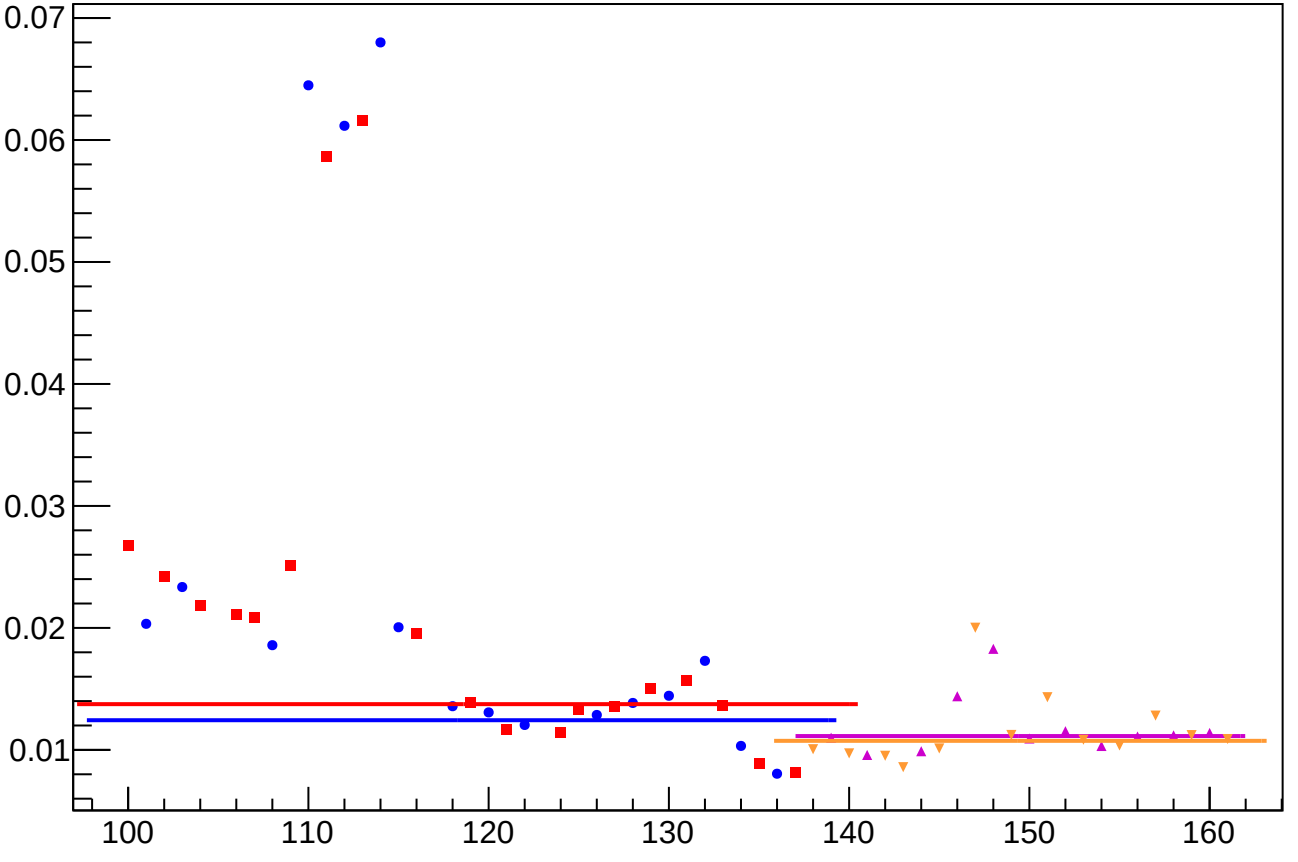
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.728+/-0.000 χ^2/NDF:12184345627.6/26

Out: 15.672+/-0.000 χ^2/NDF:15360478595.0/31

All: 15.699+/-0.000 χ^2/NDF: 27719169183.1

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:630447.1/12

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:409059.4/10

Left: 0.011+/-0.000 χ^2/NDF: 1051281.5/23

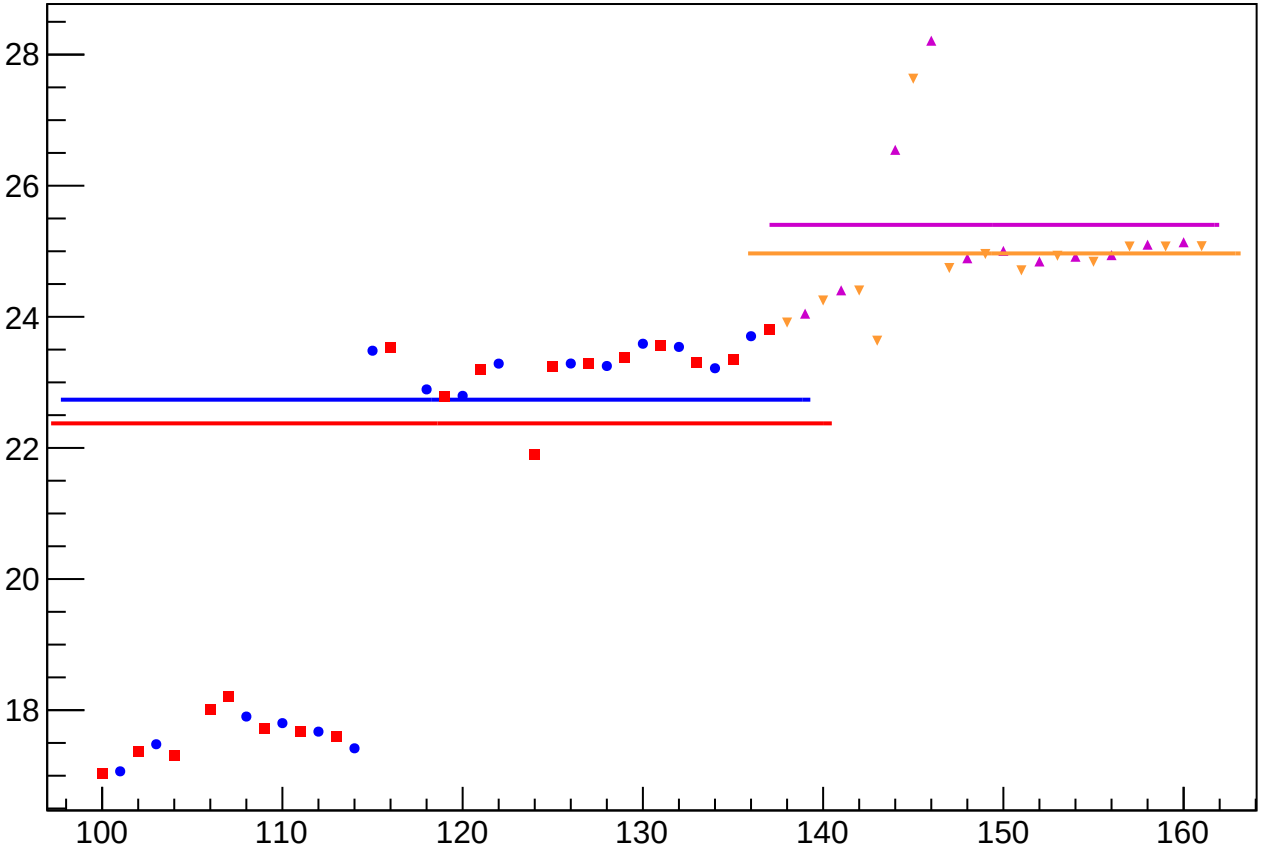
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2805968.5/26

Out: 0.012+/-0.000 χ^2/NDF:3260034.8/31

All: 0.012+/-0.000 χ^2/NDF: 6066048.4/58

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.967+/-0.000 χ^2/NDF:765134184.0/12

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.403+/-0.000 χ^2/NDF:682561999.4/10

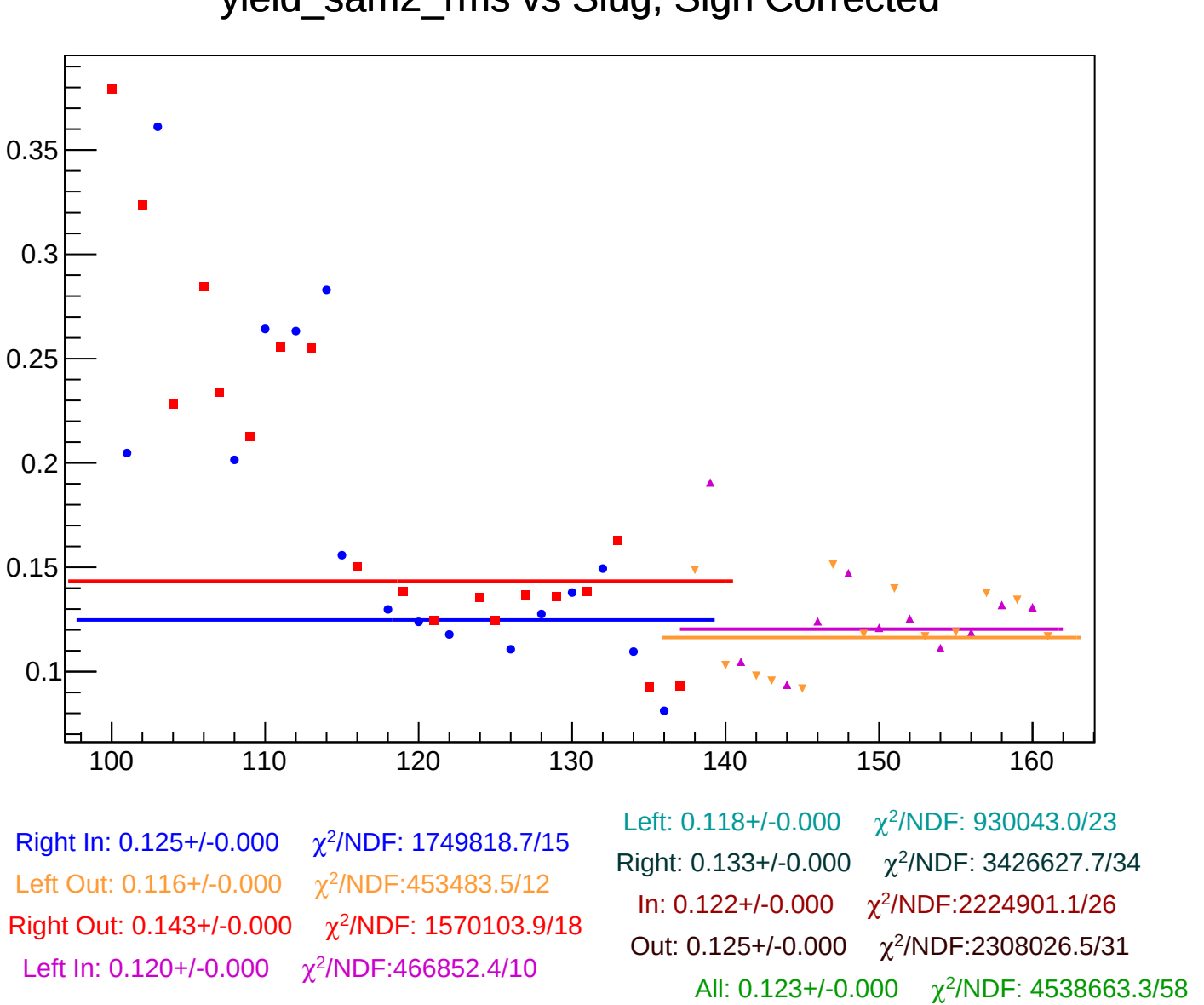
Left: 25.170+/-0.000 χ^2/NDF: 1504456349.3/23

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

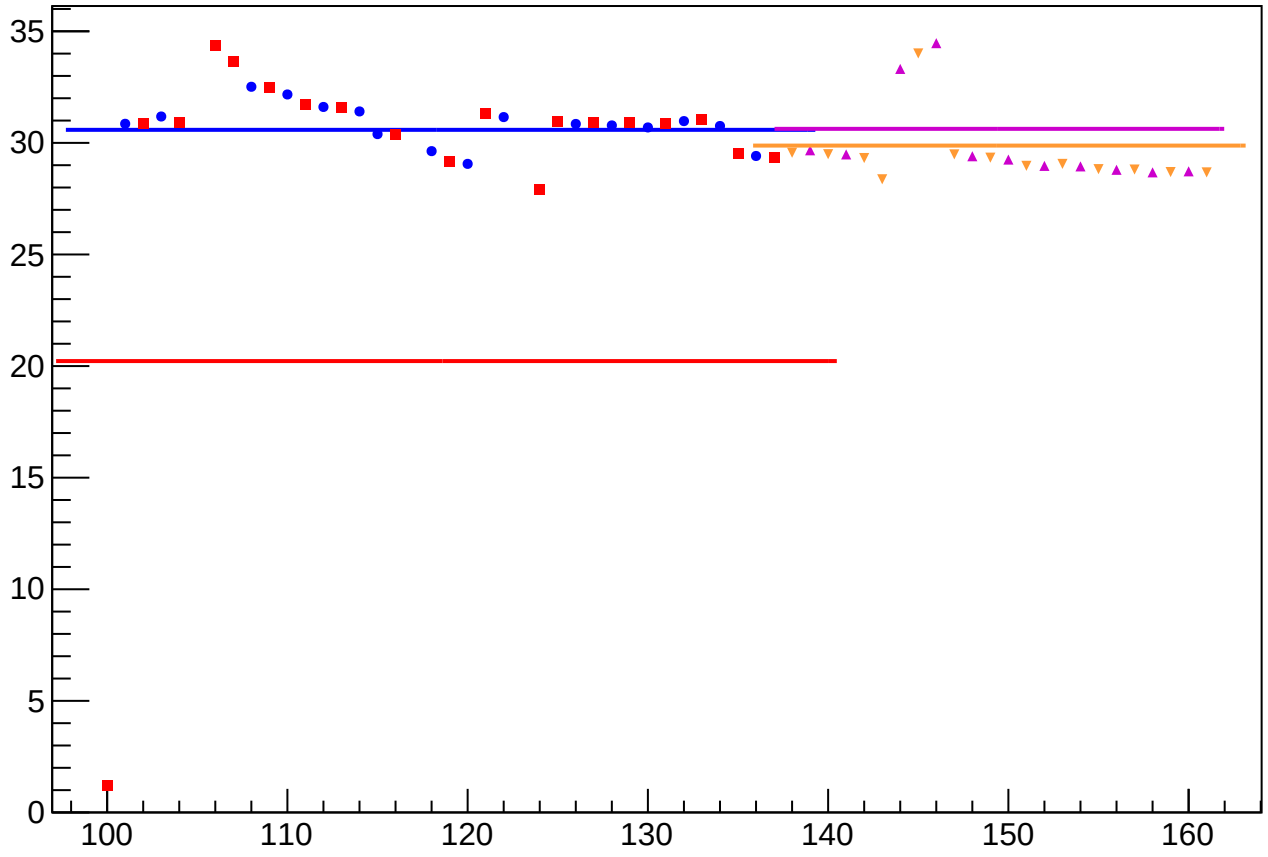
In: 24.389+/-0.000 χ^2/NDF:3417698653.7/26

Out: 24.180+/-0.000 χ^2/NDF:3288818028.0/31

All: 24.283+/-0.000 χ^2/NDF: 6726475846.4/5


yield_sam2_rms vs Slug, Sign Corrected
0.35
0.3
0.25
0.2
0.15
0.1
100
110
120
130
140
150
160
Right In: 0.125+/-0.000 χ²/NDF: 1749818.7/15
Left Out: 0.116+/-0.000 χ²/NDF:453483.5/12
Right Out: 0.143+/-0.000 χ²/NDF: 1570103.9/18
Left In: 0.120+/-0.000 χ²/NDF:466852.4/10
Left: 0.118+/-0.000 χ²/NDF: 930043.0/23
Right: 0.133+/-0.000 χ²/NDF: 3426627.7/34
In: 0.122+/-0.000 χ²/NDF:2224901.1/26
Out: 0.125+/-0.000 χ²/NDF:2308026.5/31
All: 0.123+/-0.000 χ²/NDF: 4538663.3/58

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.879+/-0.000 χ^2/NDF:5964921571.2/12

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.629+/-0.000 χ^2/NDF:8316785811.4/10

Left: 30.252+/-0.000 χ^2/NDF: 14730791179.7/23

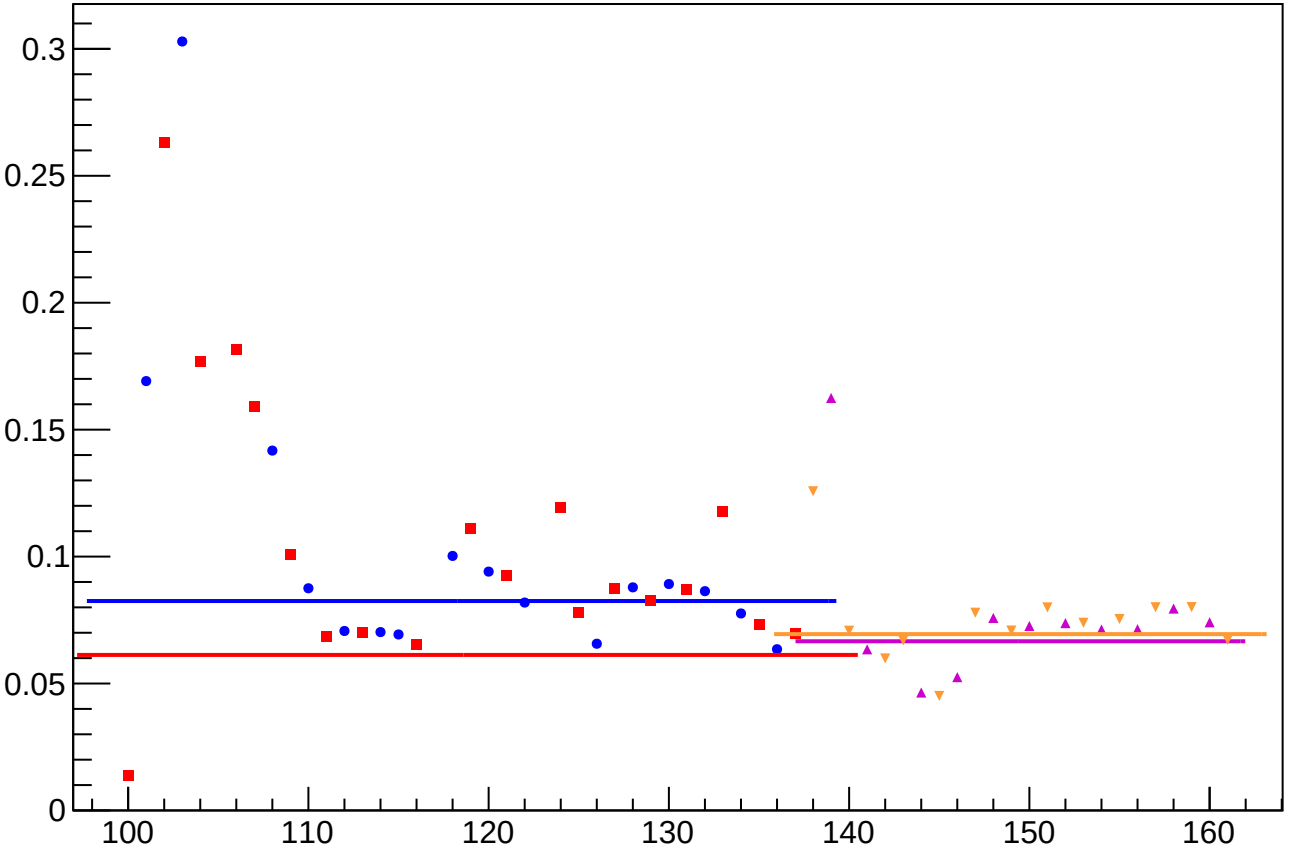
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.614+/-0.000 χ^2/NDF:8970081316.3/26

Out: 25.975+/-0.000 χ^2/NDF:287648376291.4/31

All: 28.144+/-0.000 χ^2/NDF: 323703252870.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:713500.6/12

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.067+/-0.000 χ^2/NDF:1011697.1/10

Left: 0.068+/-0.000 χ^2/NDF: 1737802.3/23

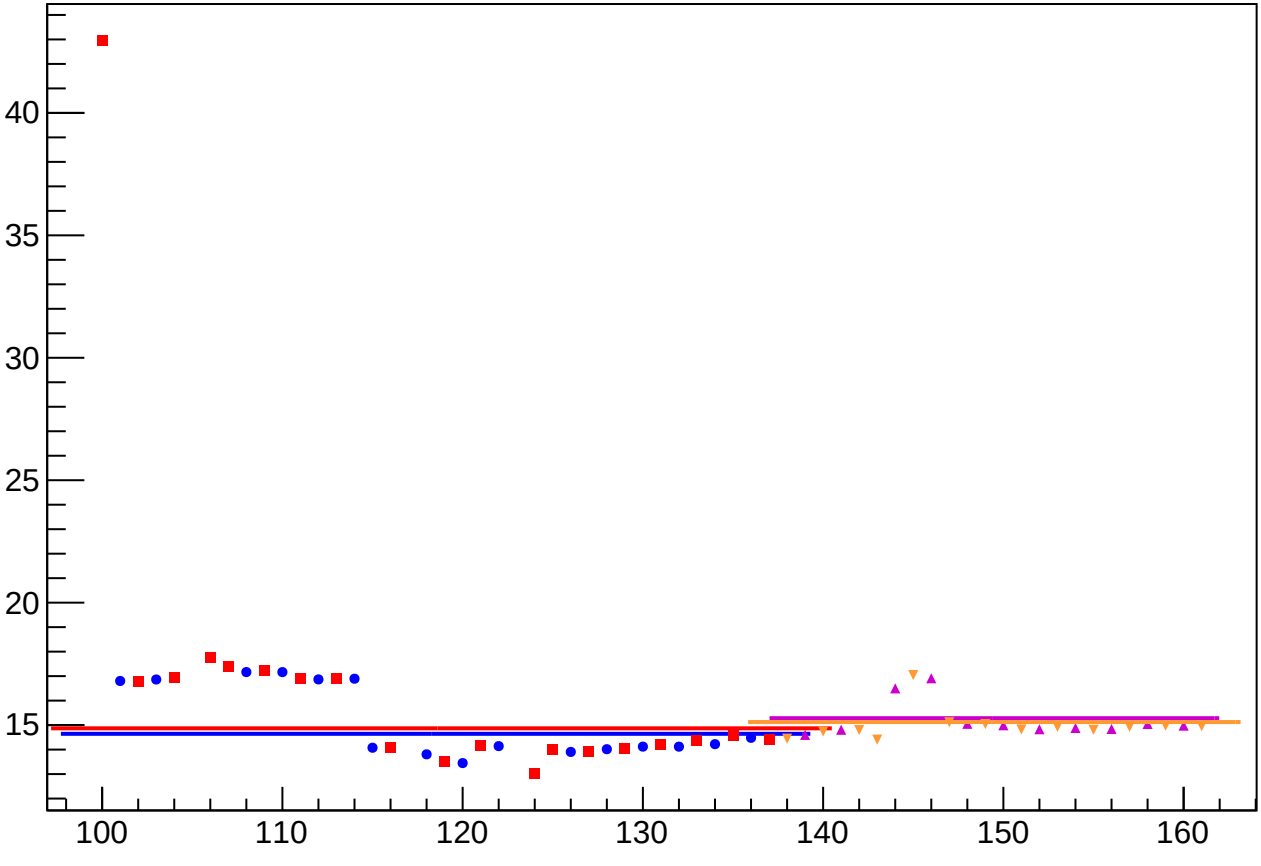
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.072+/-0.000 χ^2/NDF:2534700.3/26

Out: 0.066+/-0.000 χ^2/NDF:4814855.3/31

All: 0.069+/-0.000 χ^2/NDF: 7431117.8/58

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.124+/-0.000 χ^2/NDF:1001958672.7/12

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.283+/-0.000 χ^2/NDF:890266649.6/10

Left: 15.201+/-0.000 χ^2/NDF: 1914106498.3/23

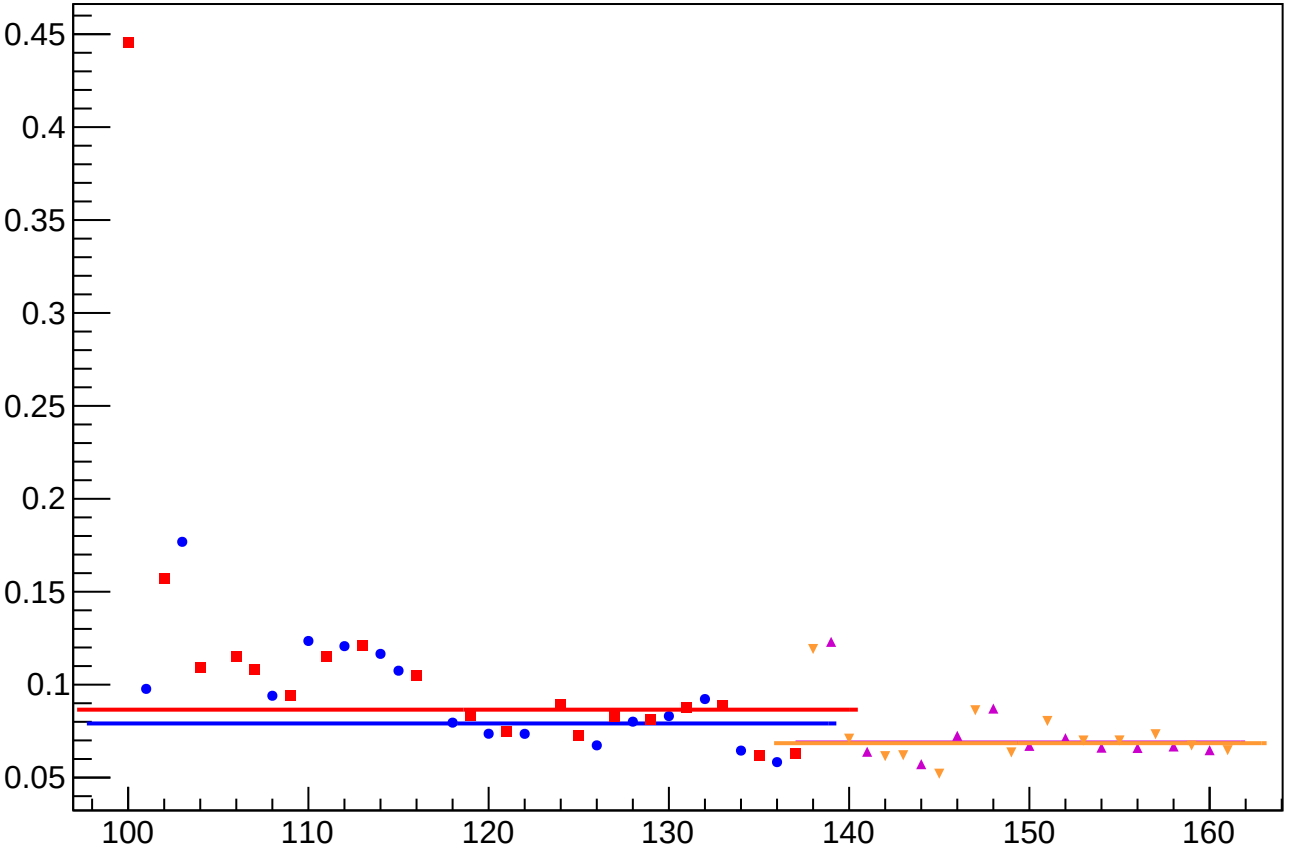
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.054+/-0.000 χ^2/NDF:2329700266.4/26

Out: 15.045+/-0.000 χ^2/NDF:2769089400.5/31

All: 15.049+/-0.000 χ^2/NDF: 5098910770.1/5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:521611.7/12

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:468512.1/10

Left: 0.069+/-0.000 χ^2/NDF: 990368.2/23

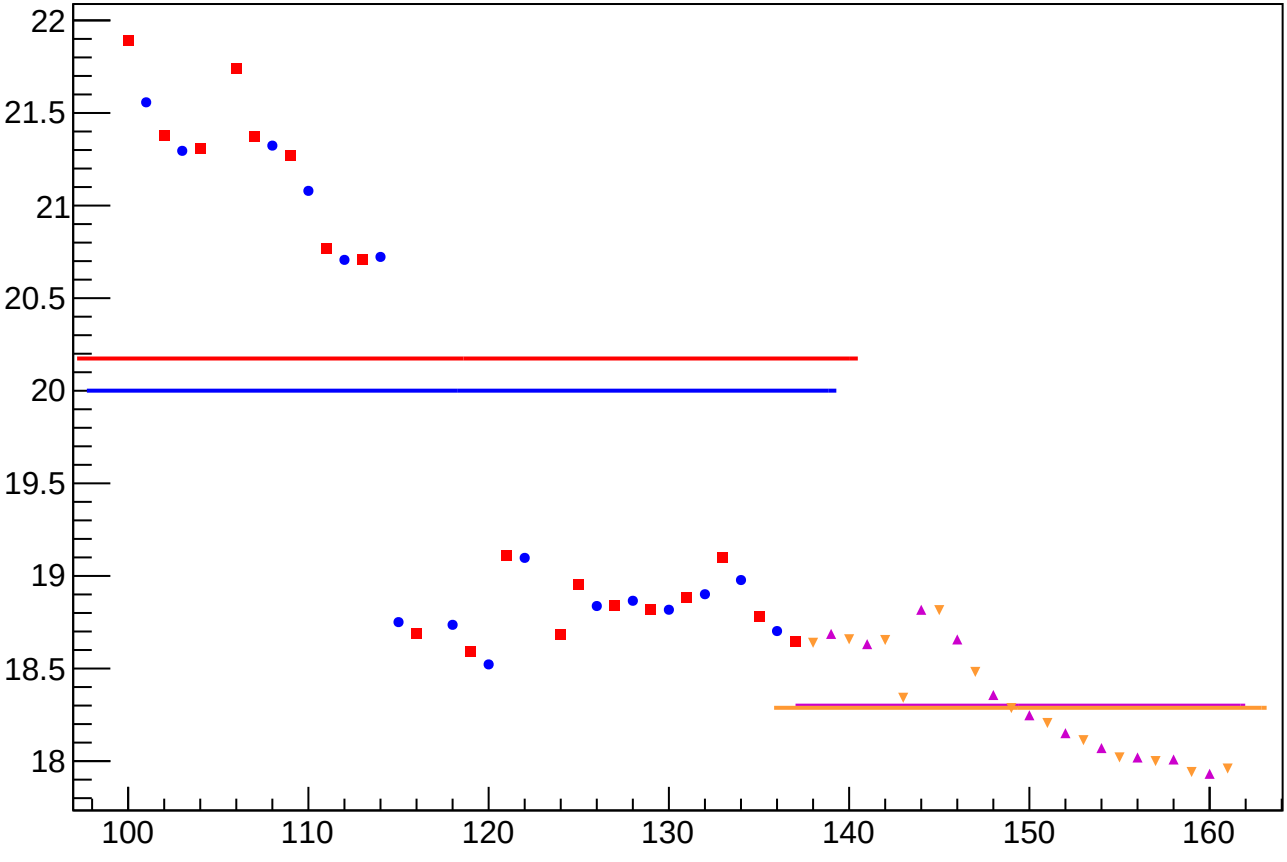
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.073+/-0.000 χ^2/NDF:1512990.1/26

Out: 0.074+/-0.000 χ^2/NDF:1682299.4/31

All: 0.073+/-0.000 χ^2/NDF: 3201825.2/58

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.288+/-0.000 χ^2/NDF:834128785.7/12

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.300+/-0.000 χ^2/NDF:817422023.1/10

Left: 18.294+/-0.000 χ^2/NDF: 1652155511.1/23

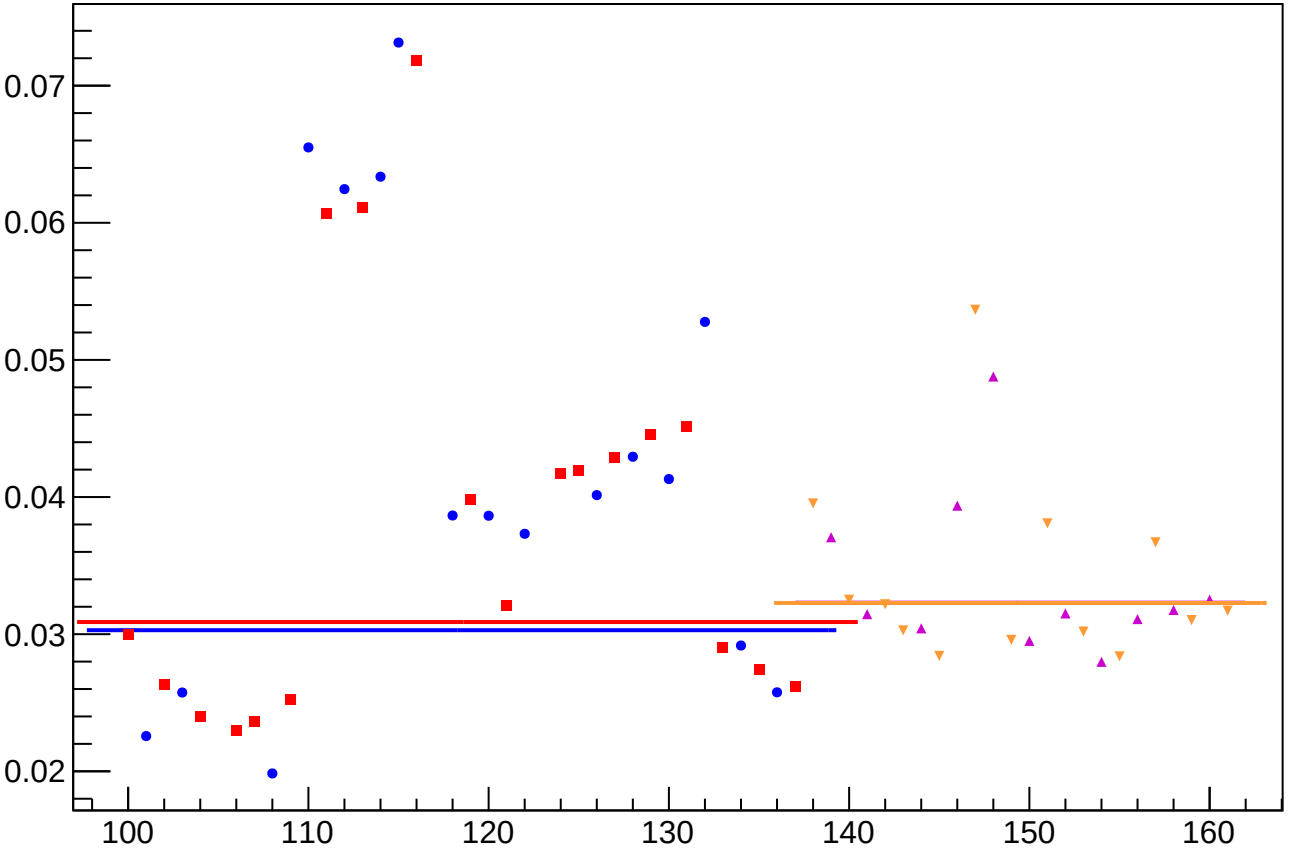
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.030+/-0.000 χ^2/NDF:22422712115.2/26

Out: 19.065+/-0.000 χ^2/NDF:24898002537.2/31

All: 19.048+/-0.000 χ^2/NDF: 47330150461.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:452804.1/12

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:328611.1/10

Left: 0.032+/-0.000 χ^2/NDF: 781419.0/23

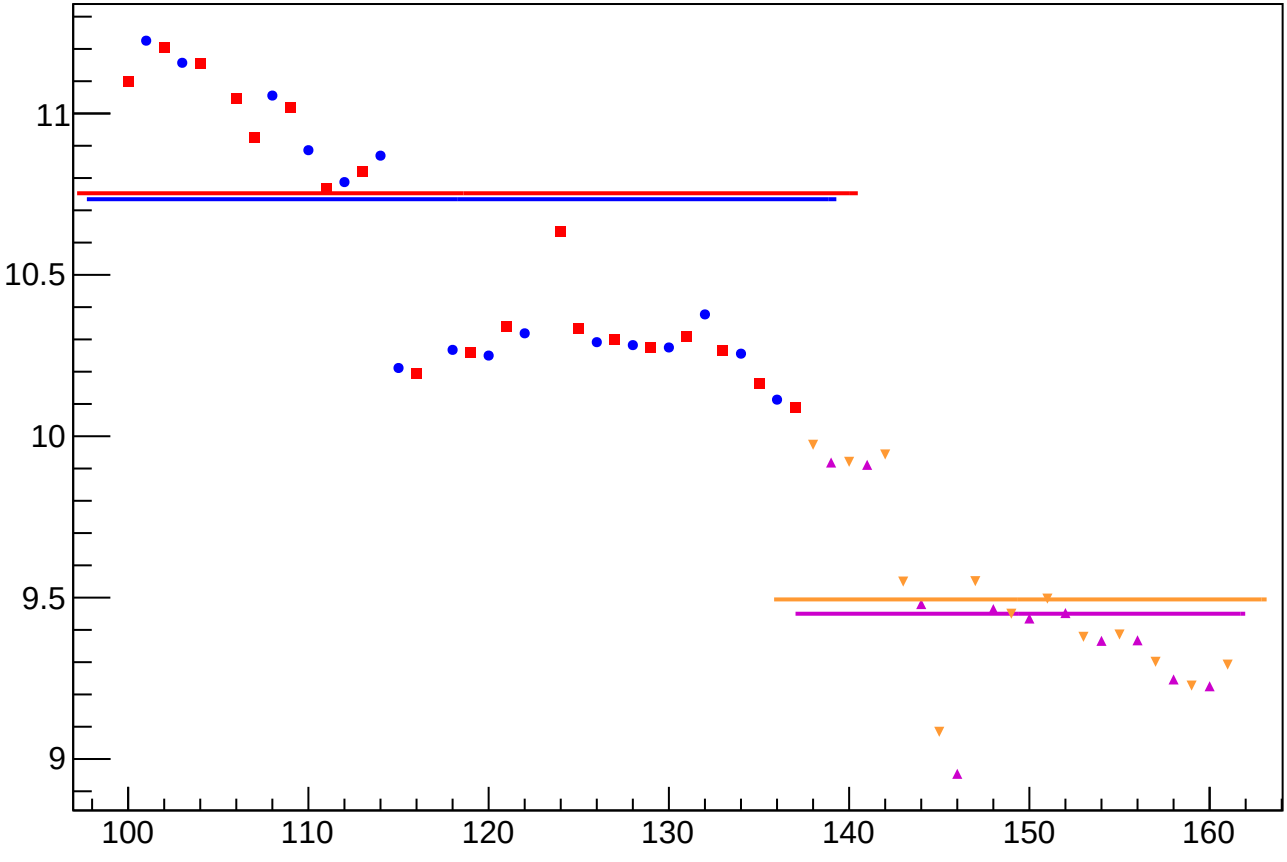
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1805851.5/26

Out: 0.032+/-0.000 χ^2/NDF:1672350.1/31

All: 0.032+/-0.000 χ^2/NDF: 3479320.3/58

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.494+/-0.000 χ^2/NDF:1660858784.6/12

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.450+/-0.000 χ^2/NDF:1262355012.3/10

Left: 9.474+/-0.000 χ^2/NDF: 2944714062.0/23

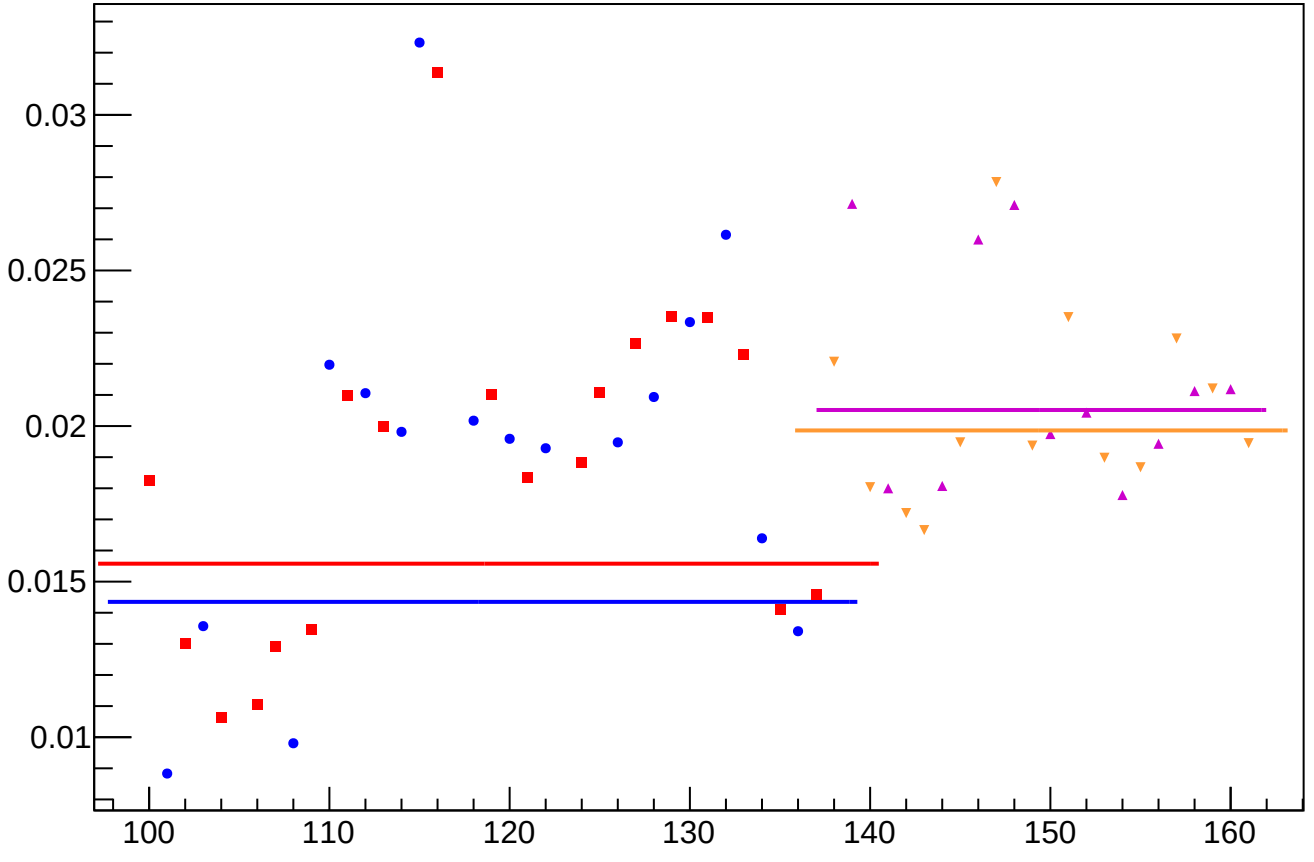
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.188+/-0.000 χ^2/NDF:26515739763.6/26

Out: 10.149+/-0.000 χ^2/NDF:25396651875.6/31

All: 10.168+/-0.000 χ^2/NDF: 51950024693.3

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:313155.1/12

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:373221.6/10

Left: 0.020+/-0.000 χ^2/NDF: 695833.5/23

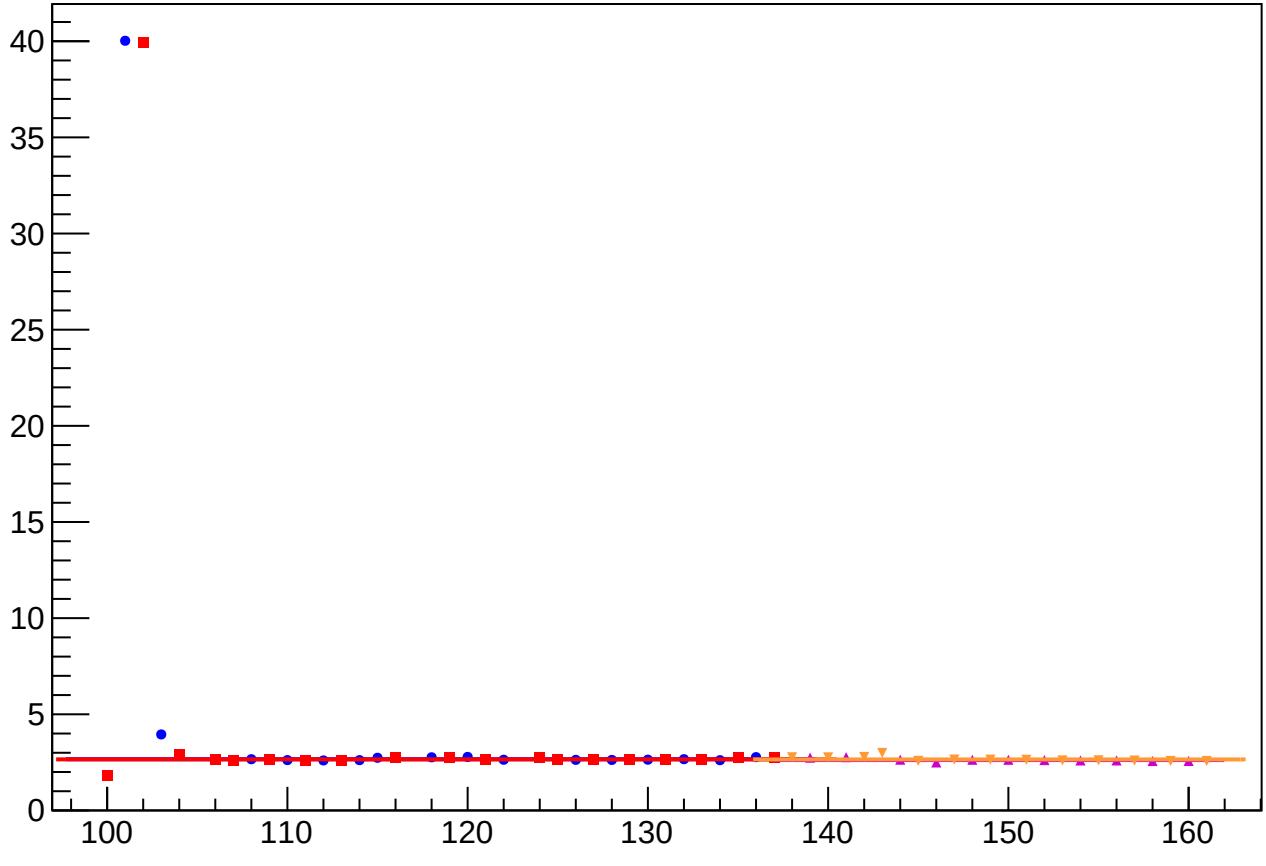
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2748373.7/26

Out: 0.018+/-0.000 χ^2/NDF:1834212.3/31

All: 0.017+/-0.000 χ^2/NDF: 4603723.2/58

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.653+/-0.000 χ^2/NDF:18763322260.1/12

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.620+/-0.000 χ^2/NDF:8161823131.2/10

Left: 2.636+/-0.000 χ^2/NDF: 27743078030.7/23

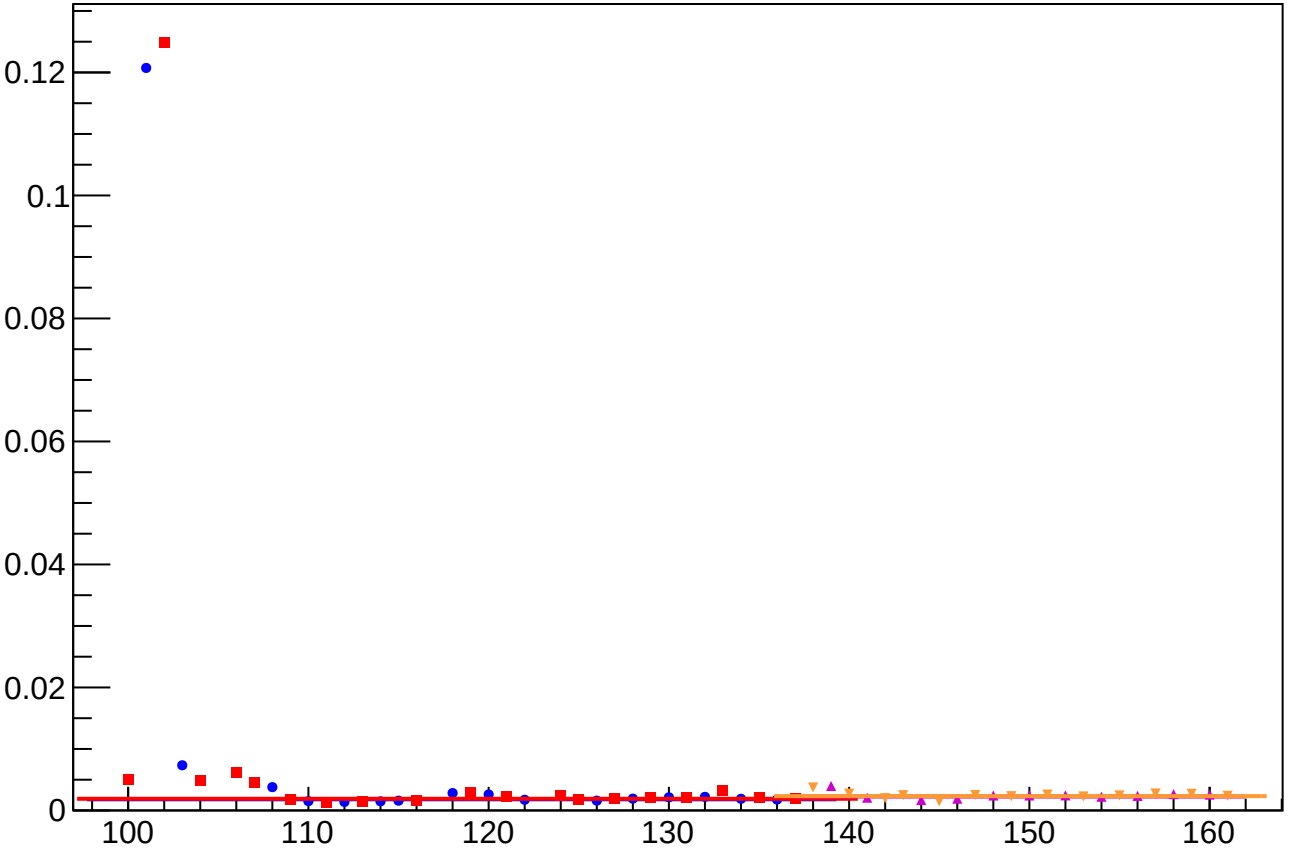
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.641+/-0.000 χ^2/NDF:77424490627.1/26

Out: 2.654+/-0.000 χ^2/NDF:83830787061.1/31

All: 2.648+/-0.000 χ^2/NDF: 161508857076.7

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:734443.6/12

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:589045.1/10

Left: 0.002+/-0.000 χ^2/NDF: 1328910.0/23

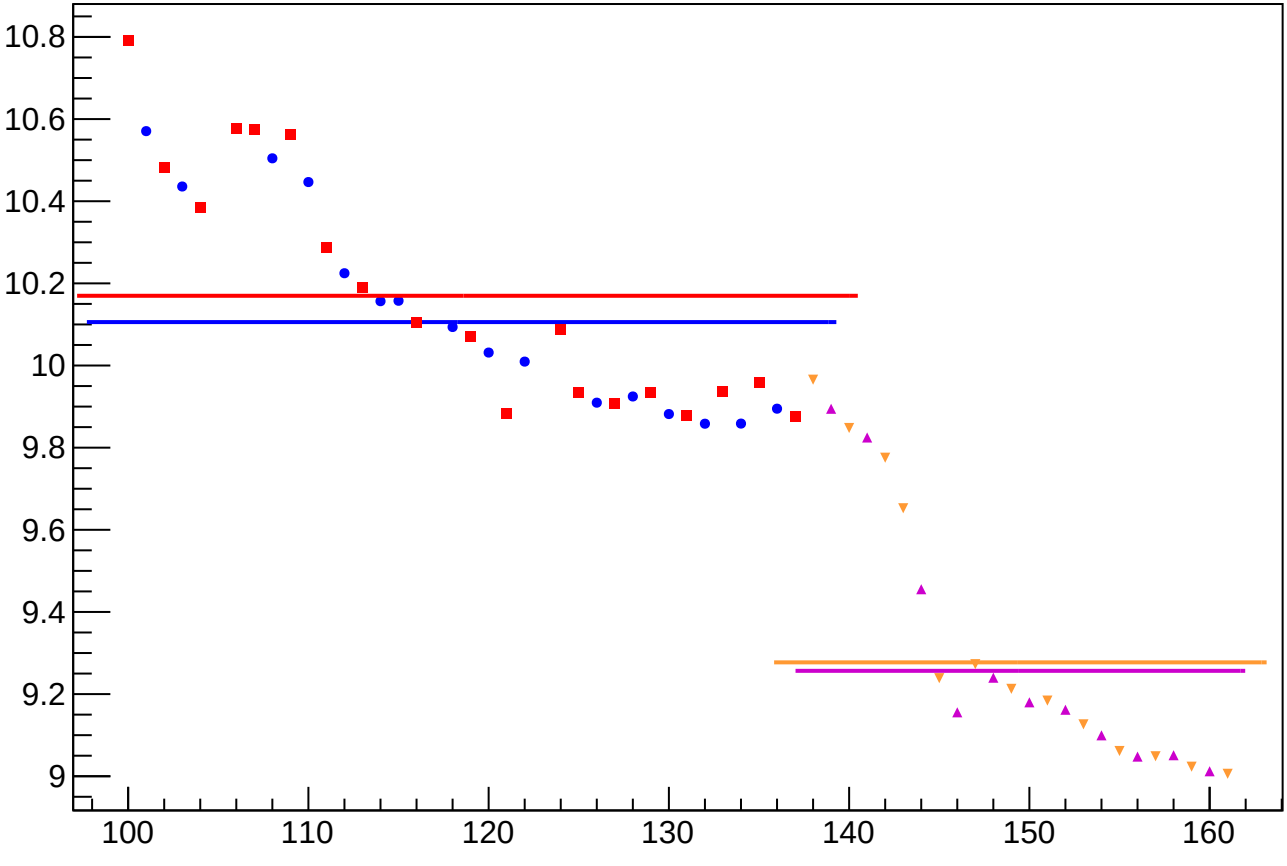
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2712574.9/26

Out: 0.002+/-0.000 χ^2/NDF:3526769.8/31

All: 0.002+/-0.000 χ^2/NDF: 6256707.1/58

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.277+/-0.000 χ^2/NDF:15733145593.7/12

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.257+/-0.000 χ^2/NDF:12954087623.4/10

Left: 9.268+/-0.000 χ^2/NDF: 28728503883.6/23

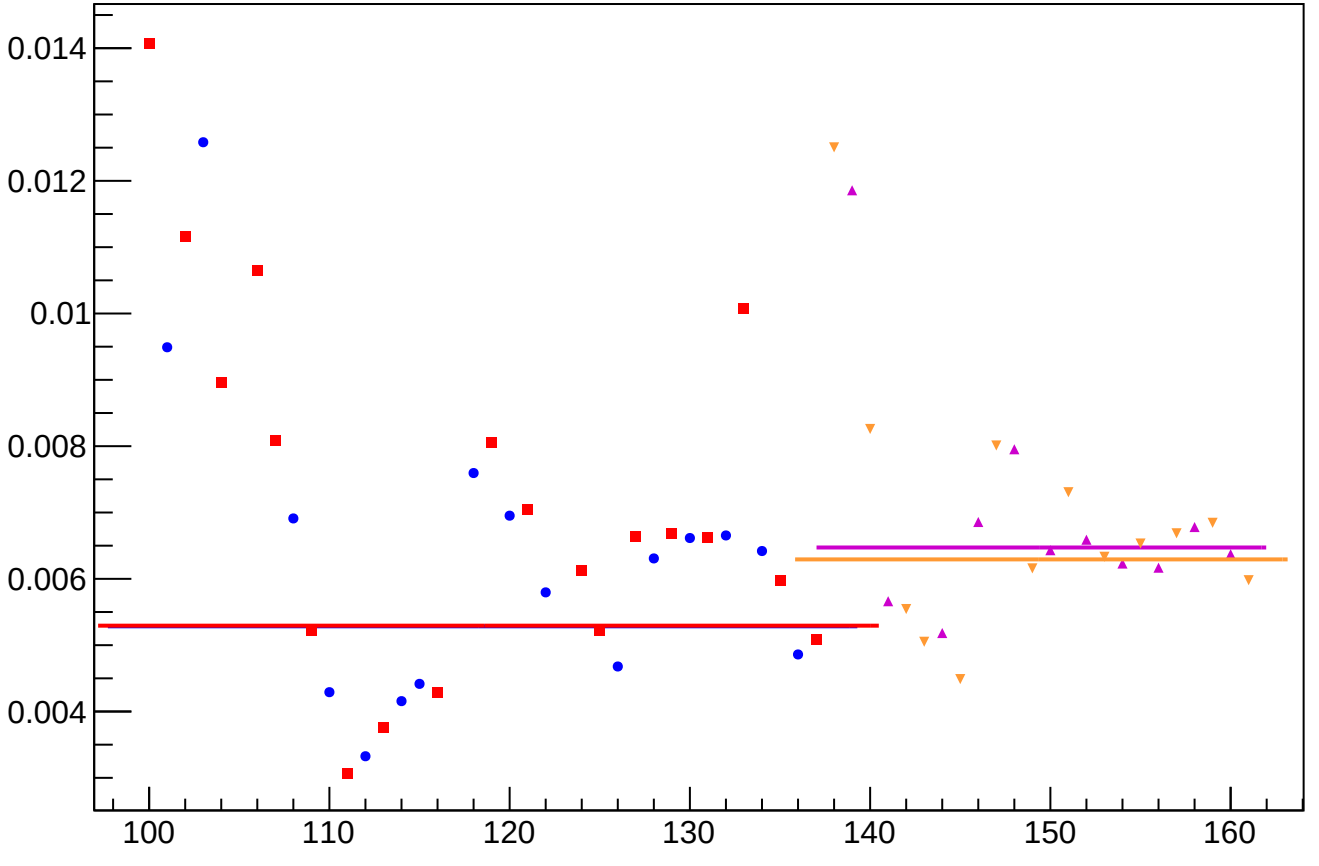
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.692+/-0.000 χ^2/NDF:90108787871.1/26

Out: 9.714+/-0.000 χ^2/NDF:104880112785.4/31

All: 9.703+/-0.000 χ^2/NDF: 195090761529.1

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:803289.7/12

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:495987.0/10

Left: 0.006+/-0.000 χ^2/NDF: 1305520.9/23

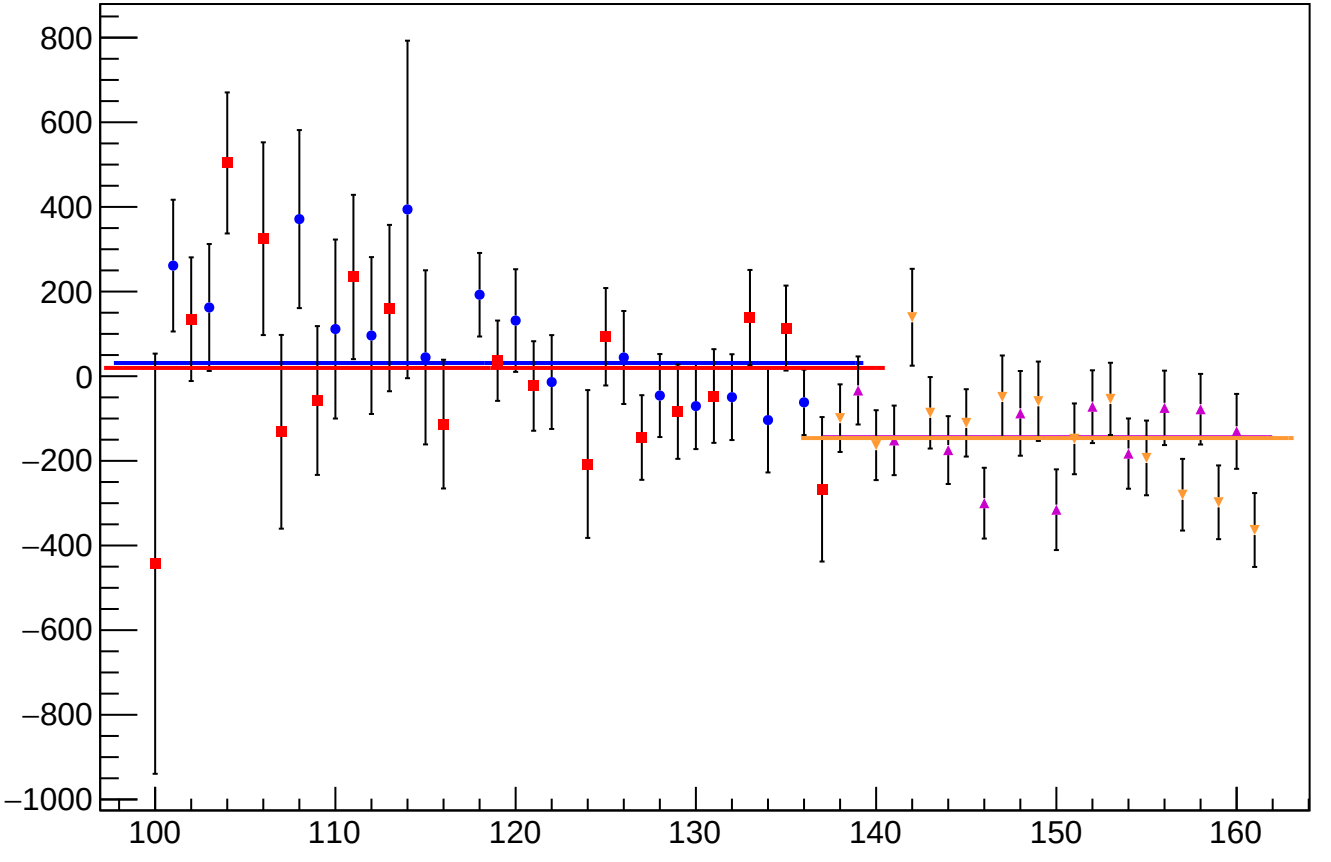
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2036463.1/26

Out: 0.006+/-0.000 χ^2/NDF:2796075.3/31

All: 0.006+/-0.000 χ^2/NDF: 4833951.9/58

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.141+/-24.203 χ^2/NDF:22.3/12

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -144.050+/-25.887 χ^2/NDF:11.3/10

Left: -145.166+/-17.680 χ^2/NDF: 33.6/23

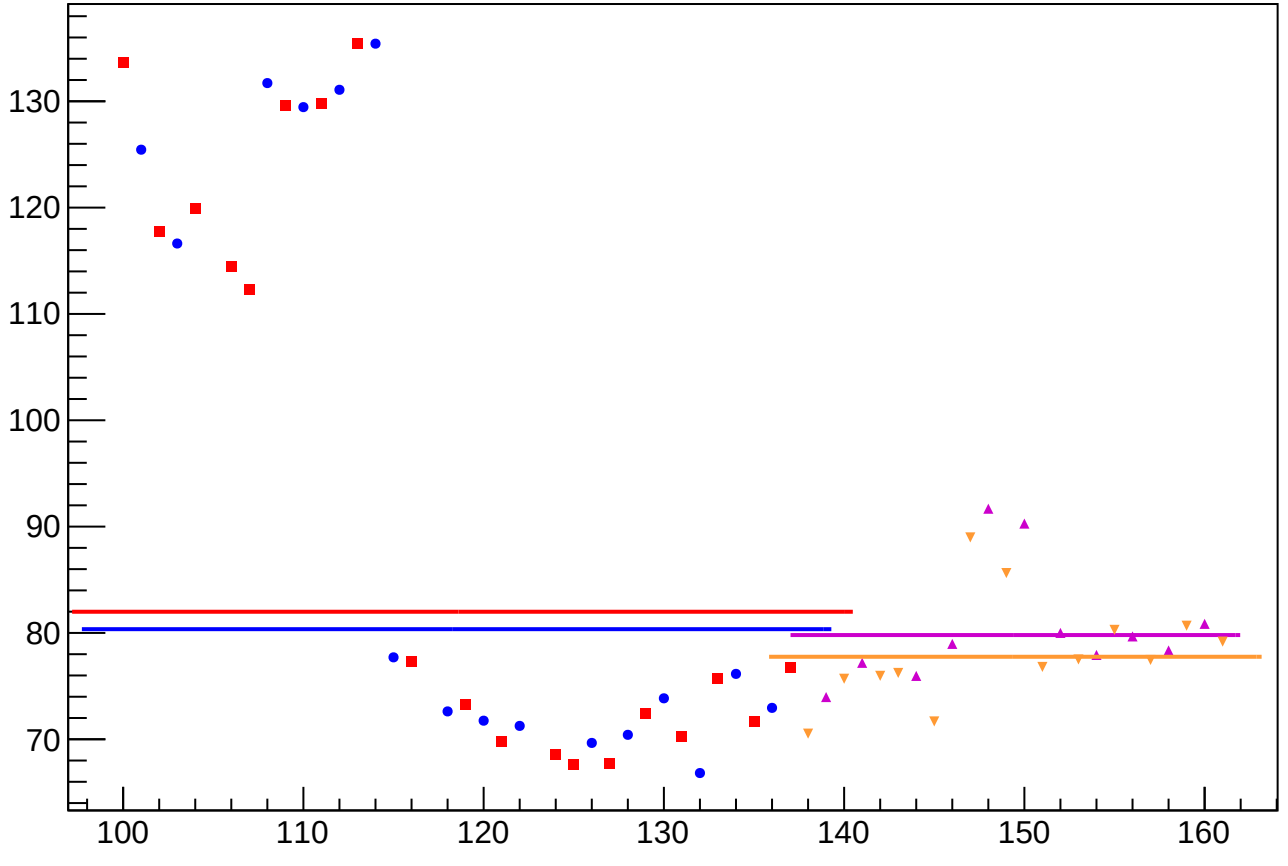
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -71.443+/-19.813 χ^2/NDF:45.3/26

Out: -83.529+/-19.091 χ^2/NDF:66.0/31

All: -77.710+/-13.748 χ^2/NDF: 111.5/58

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

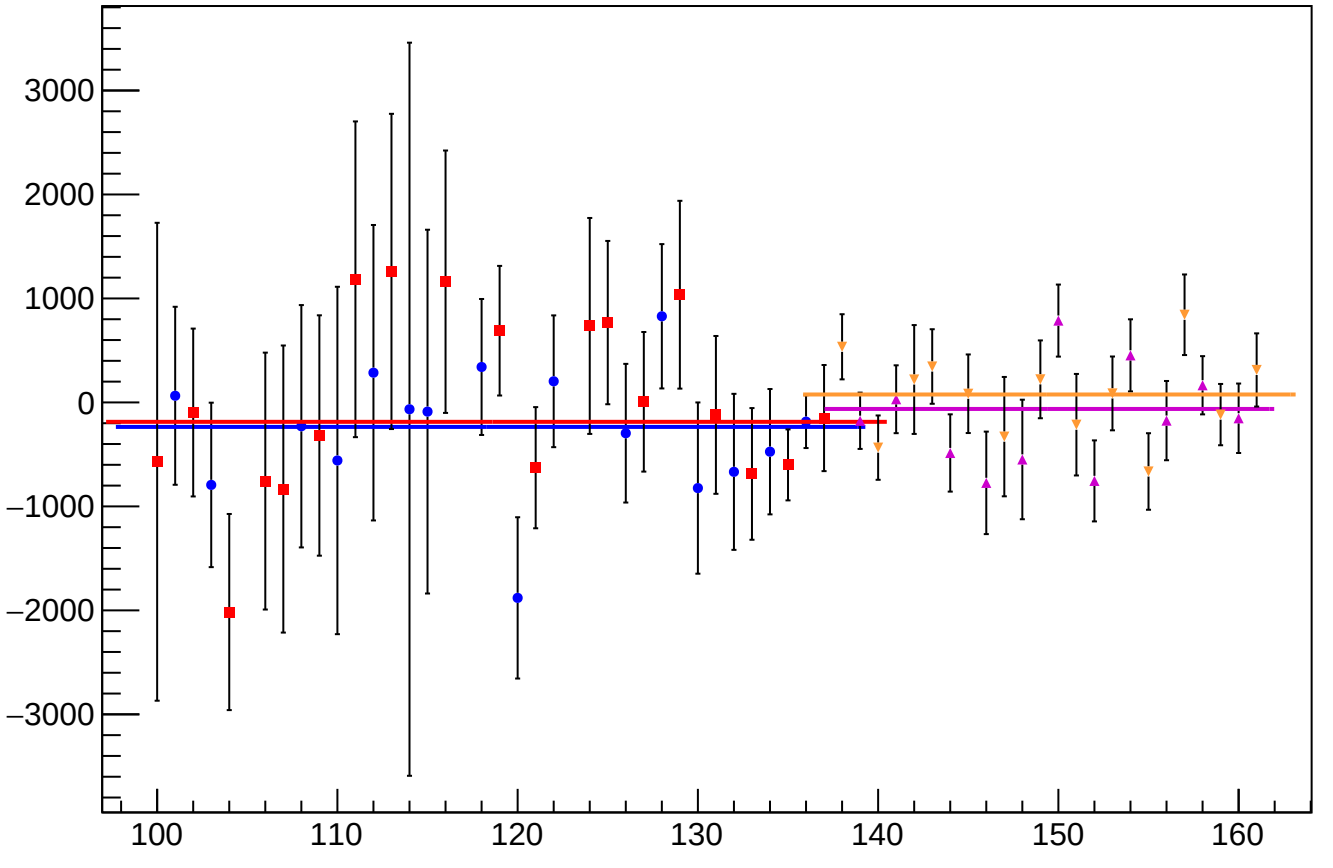
Left: 78.711+/-0.013 χ^2/NDF: 153780.8/23

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.030+/-0.014 χ^2/NDF:912036.4/26

Out: 79.359+/-0.013 χ^2/NDF:1030983.9/31

All: 79.682+/-0.010 χ^2/NDF: 1944210.1/58



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.298+/-102.603 χ^2/NDF:15.4/12

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -62.779+/-105.854 χ^2/NDF:16.5/10

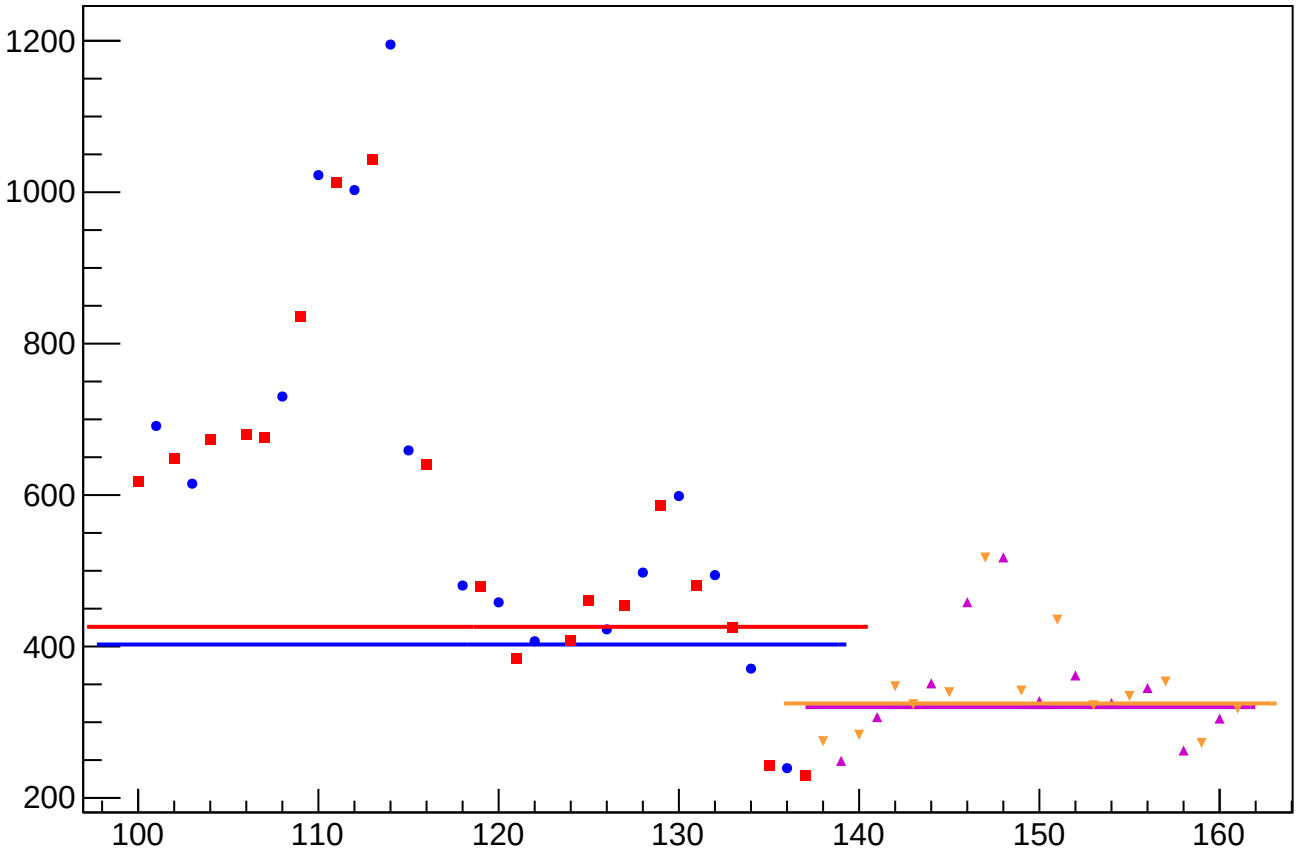
Left: 8.928+/-73.674 χ^2/NDF: 32.8/23

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -113.683+/-88.900 χ^2/NDF:27.3/26

Out: 6.335+/-87.898 χ^2/NDF:33.1/31

All: -52.994+/-62.504 χ^2/NDF: 61.3/58



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.775+/-0.073 χ^2/NDF:501513.4/12

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 319.932+/-0.075 χ^2/NDF:671332.1/10

Left: 322.429+/-0.052 χ^2/NDF: 1175004.0/23

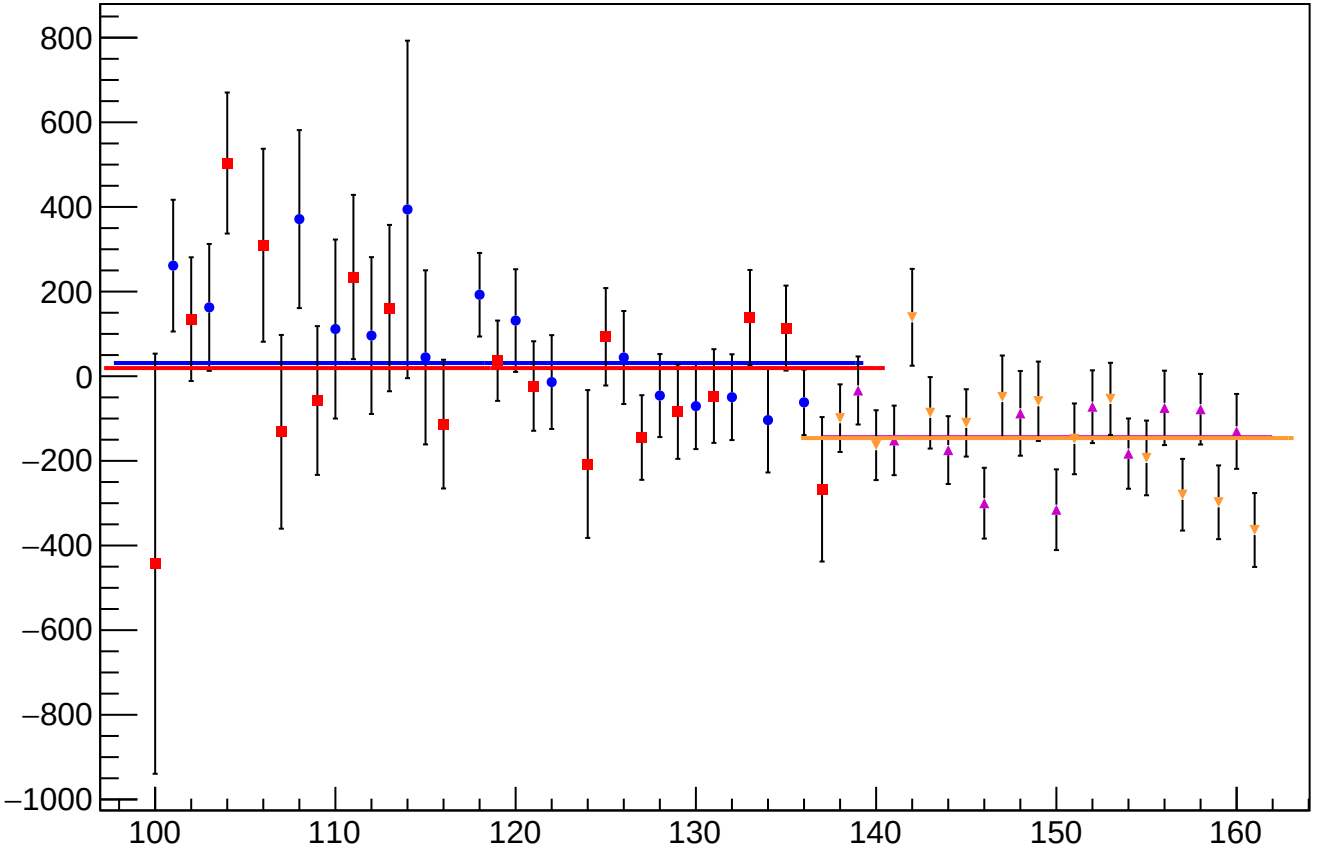
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.310+/-0.063 χ^2/NDF:3391384.6/26

Out: 351.706+/-0.062 χ^2/NDF:3388103.1/31

All: 348.050+/-0.044 χ^2/NDF: 6786487.2/58

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.137+/-24.203 χ^2/NDF:22.3/12

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -144.053+/-25.887 χ^2/NDF:11.3/10

Left: -145.165+/-17.680 χ^2/NDF: 33.6/23

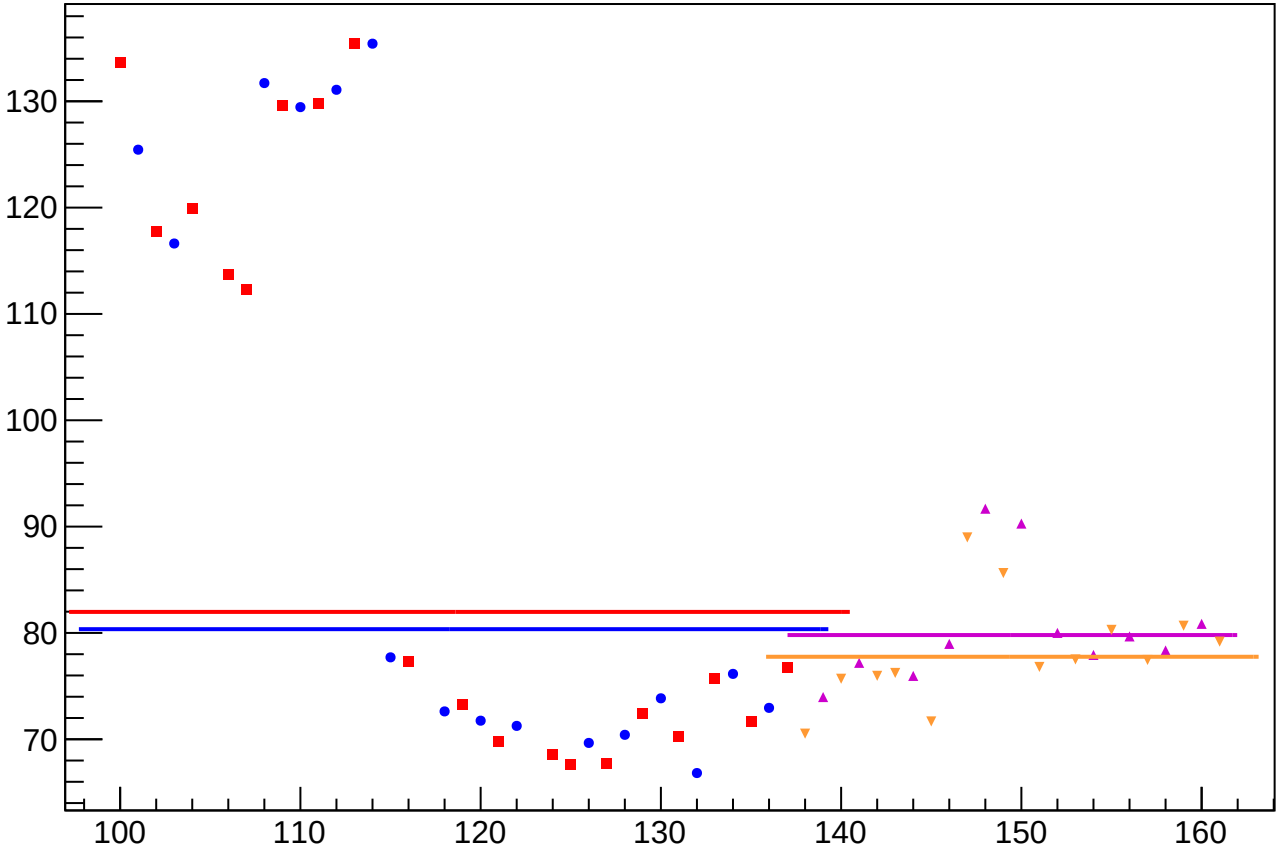
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -71.441+/-19.813 χ^2/NDF:45.3/26

Out: -83.639+/-19.091 χ^2/NDF:65.7/31

All: -77.766+/-13.748 χ^2/NDF: 111.2/58

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

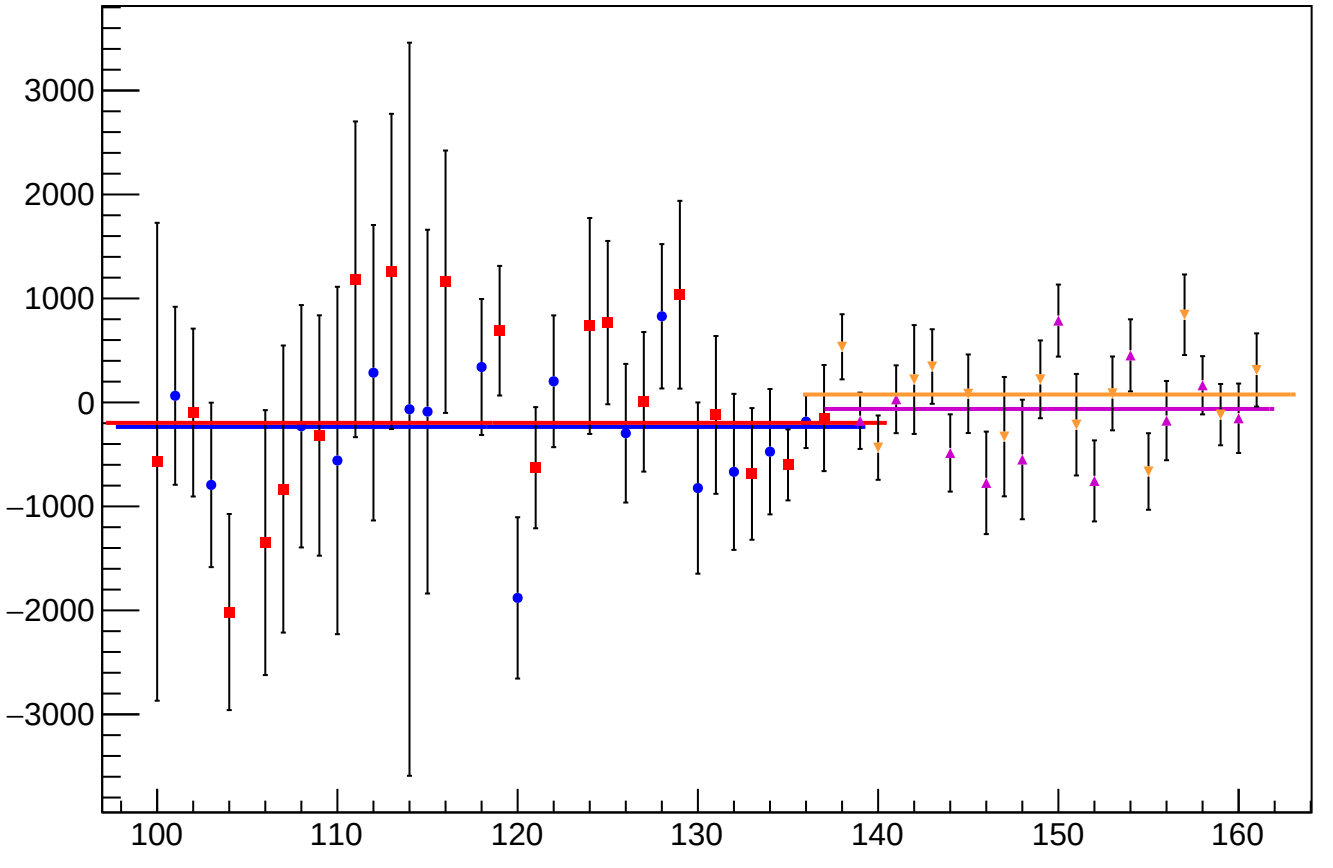
Left: 78.711+/-0.013 χ^2/NDF: 153780.9/23

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.030+/-0.014 χ^2/NDF:912036.6/26

Out: 79.353+/-0.013 χ^2/NDF:1028947.9/31

All: 79.679+/-0.010 χ^2/NDF: 1942194.7/58



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.299+/-102.603 χ^2/NDF:15.4/12

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -62.782+/-105.854 χ^2/NDF:16.5/10

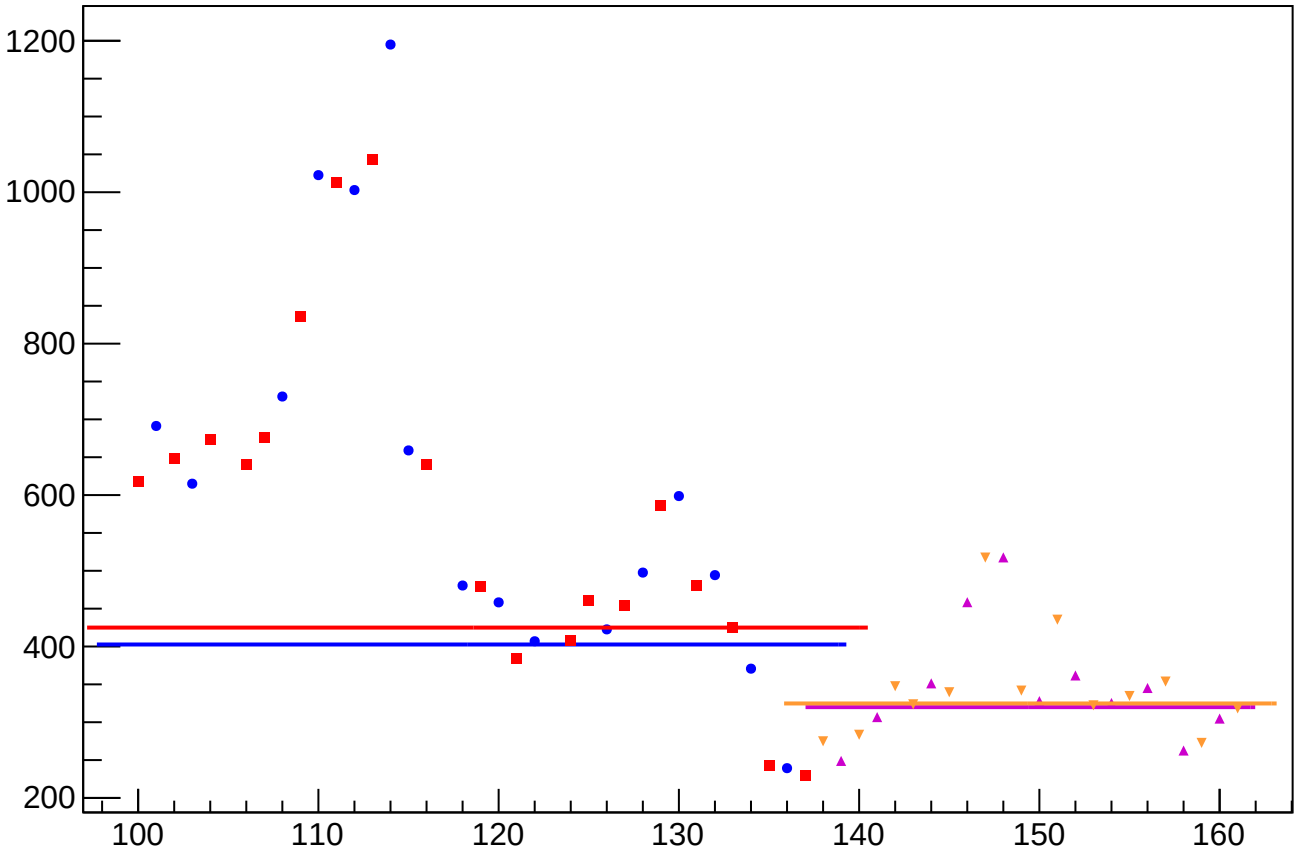
Left: 8.927+/-73.674 χ^2/NDF: 32.8/23

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -113.685+/-88.900 χ^2/NDF:27.3/26

Out: 3.747+/-87.911 χ^2/NDF:33.8/31

All: -54.313+/-62.509 χ^2/NDF: 62.0/58



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.775+/-0.073 χ^2/NDF:501520.7/12

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

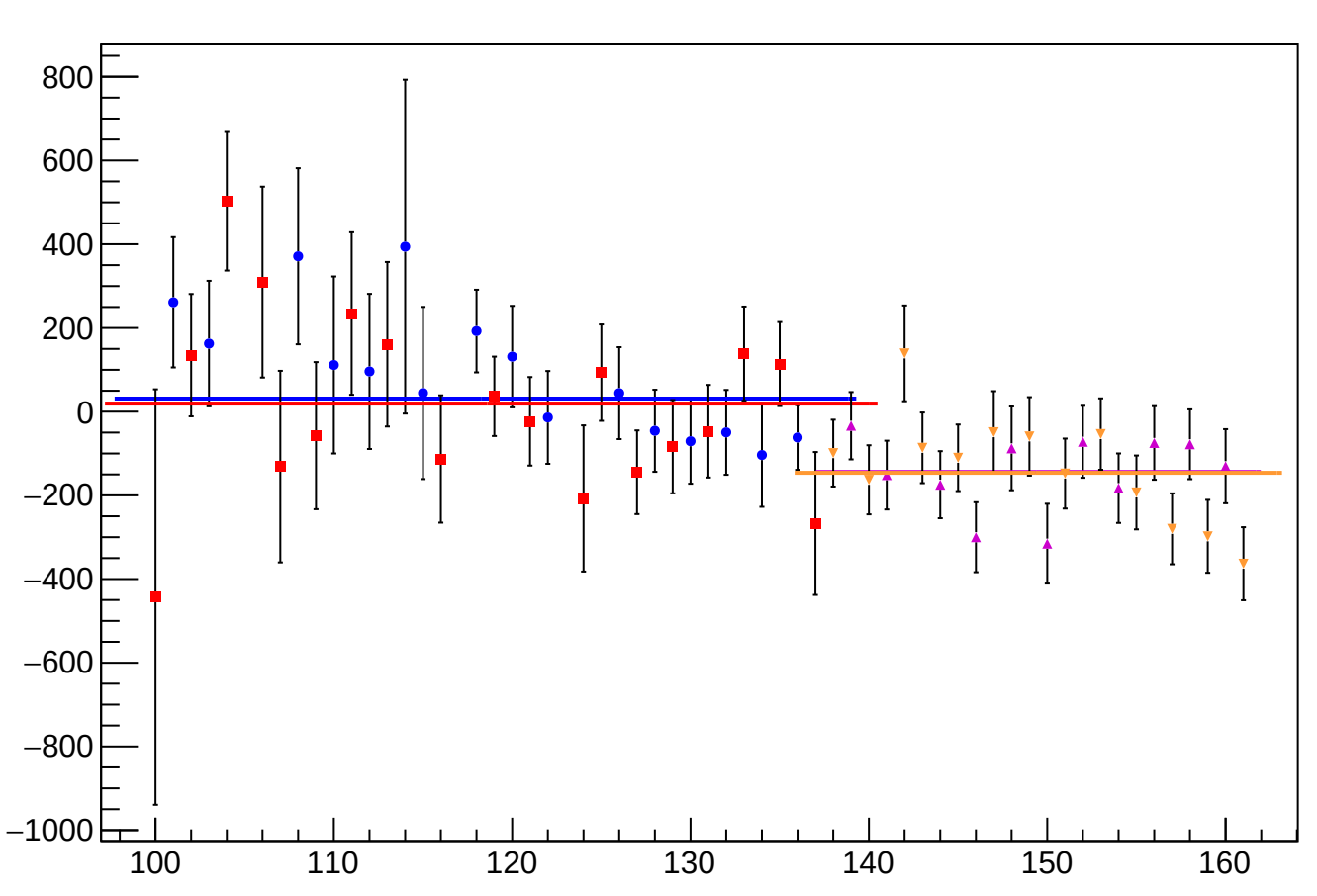
Left: 322.429+/-0.052 χ^2/NDF: 1175011.5/23

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.310+/-0.063 χ^2/NDF:3391380.6/26

Out: 351.419+/-0.062 χ^2/NDF:3349818.7/31

All: 347.904+/-0.044 χ^2/NDF: 6747665.4/58



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.137+/-24.203 χ^2/NDF:22.3/12

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -144.053+/-25.887 χ^2/NDF:11.3/10

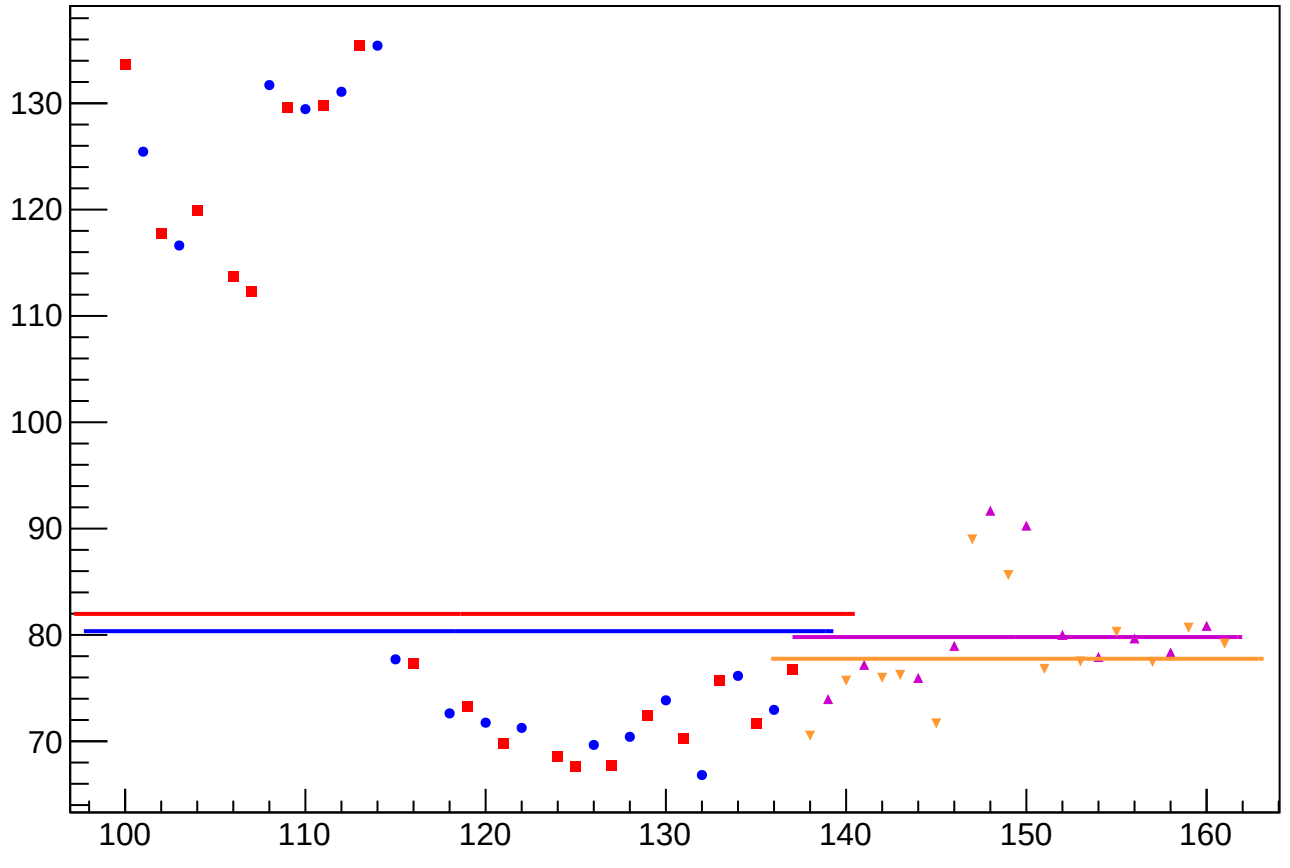
Left: -145.165+/-17.680 χ^2/NDF: 33.6/23

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -71.441+/-19.813 χ^2/NDF:45.3/26

Out: -83.639+/-19.091 χ^2/NDF:65.7/31

All: -77.766+/-13.748 χ^2/NDF: 111.2/58



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

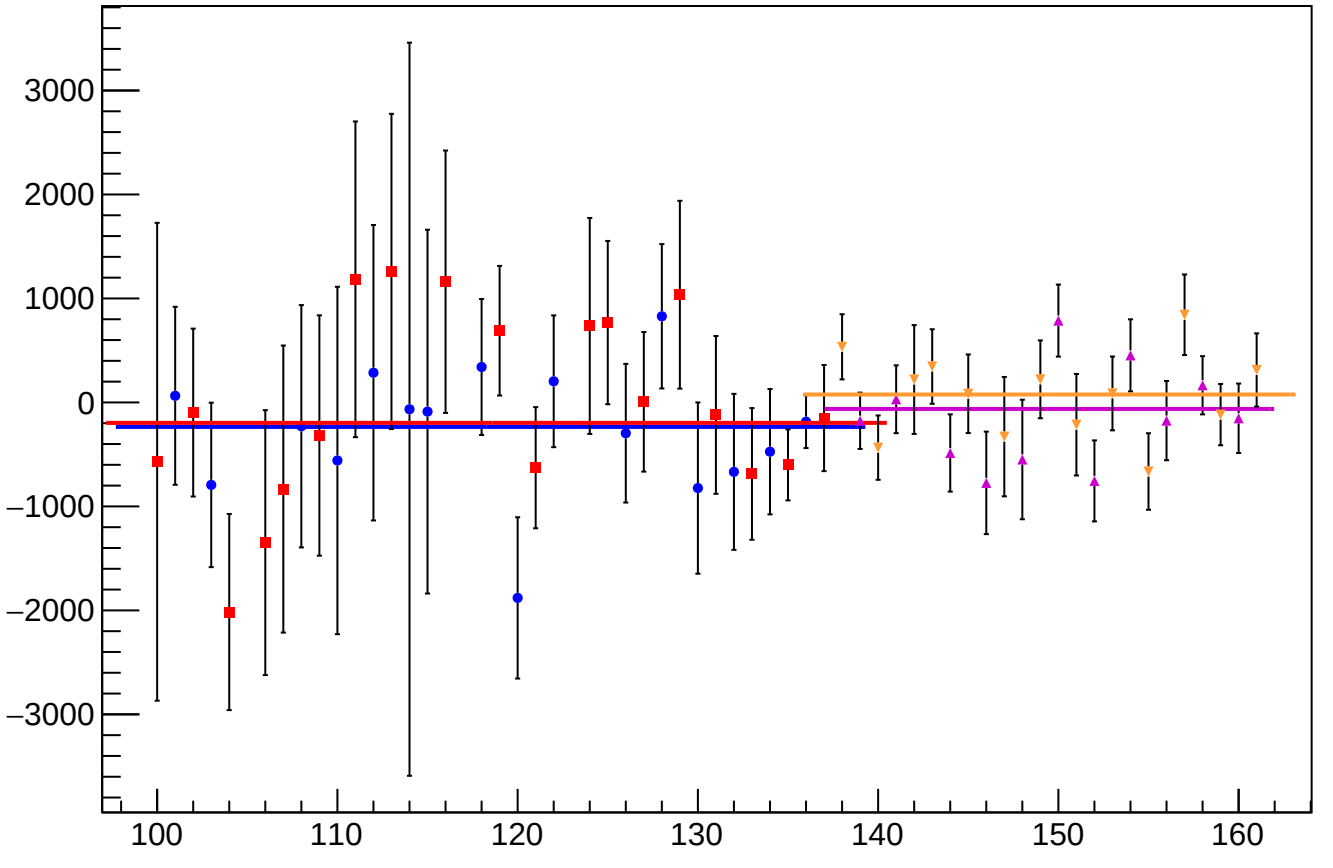
Left: 78.711+/-0.013 χ^2/NDF: 153780.9/23

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.030+/-0.014 χ^2/NDF:912036.6/26

Out: 79.353+/-0.013 χ^2/NDF:1028947.9/31

All: 79.679+/-0.010 χ^2/NDF: 1942194.7/58



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.299+/-102.603 χ^2/NDF:15.4/12

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -62.782+/-105.854 χ^2/NDF:16.5/10

Left: 8.927+/-73.674 χ^2/NDF: 32.8/23

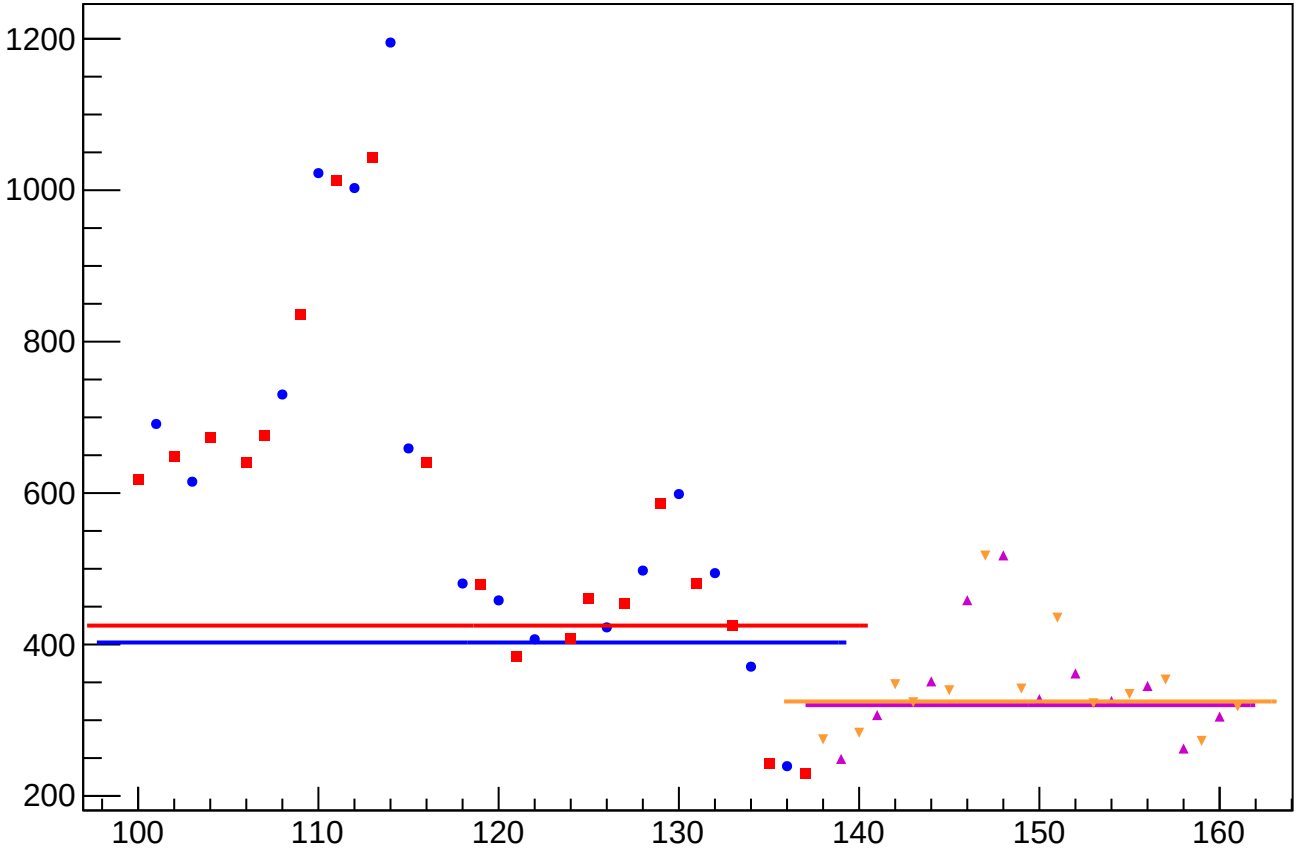
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -113.685+/-88.900 χ^2/NDF:27.3/26

Out: 3.747+/-87.911 χ^2/NDF:33.8/31

All: -54.313+/-62.509 χ^2/NDF: 62.0/58

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.775+/-0.073 χ^2/NDF:501520.7/12

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

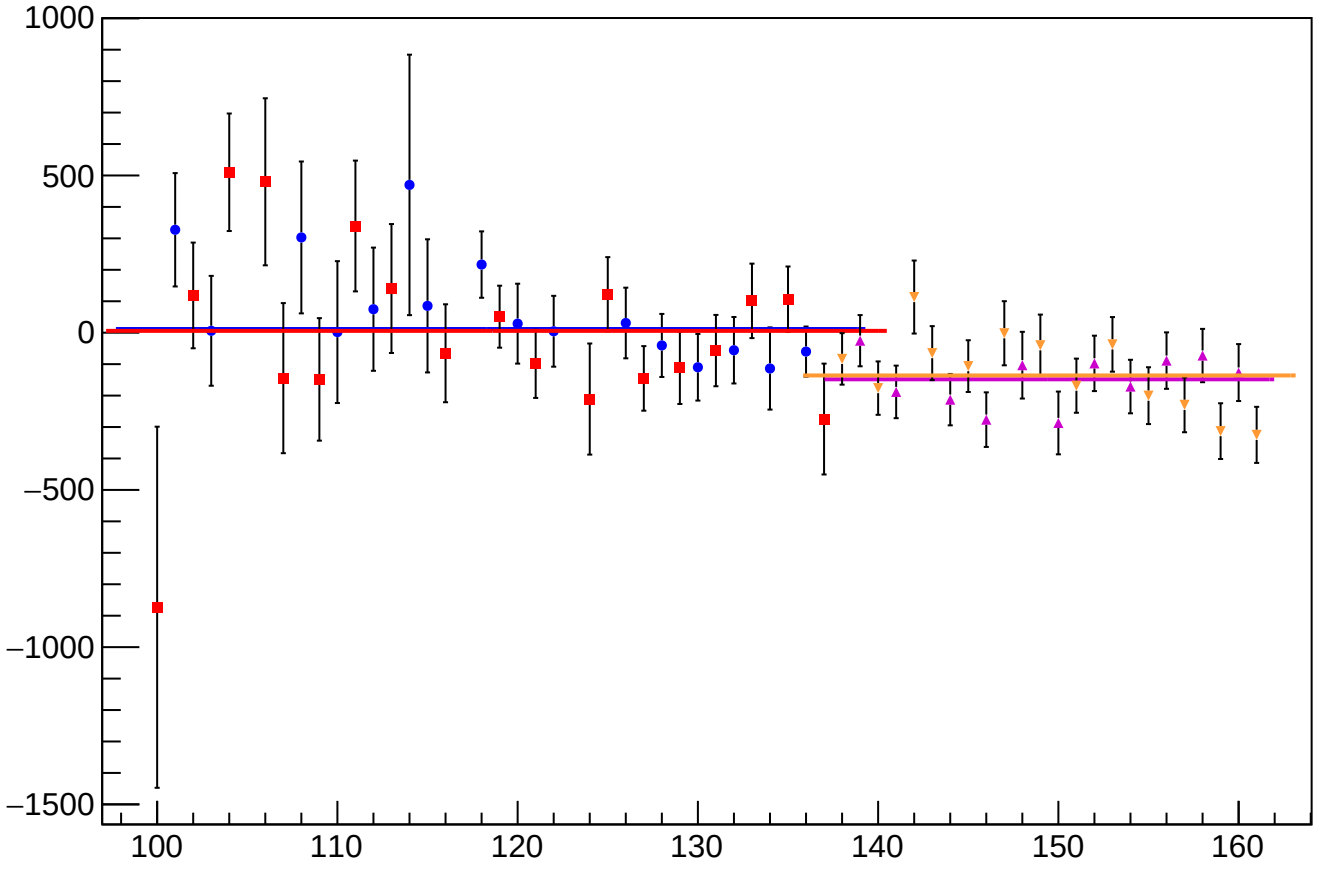
Left: 322.429+/-0.052 χ^2/NDF: 1175011.5/23

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.310+/-0.063 χ^2/NDF:3391380.6/26

Out: 351.419+/-0.062 χ^2/NDF:3349818.7/31

All: 347.904+/-0.044 χ^2/NDF: 6747665.4/58



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -135.944+/-24.833 χ^2/NDF:20.3/12

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.236+/-26.560 χ^2/NDF:9.1/10

Left: -141.677+/-18.139 χ^2/NDF: 29.6/23

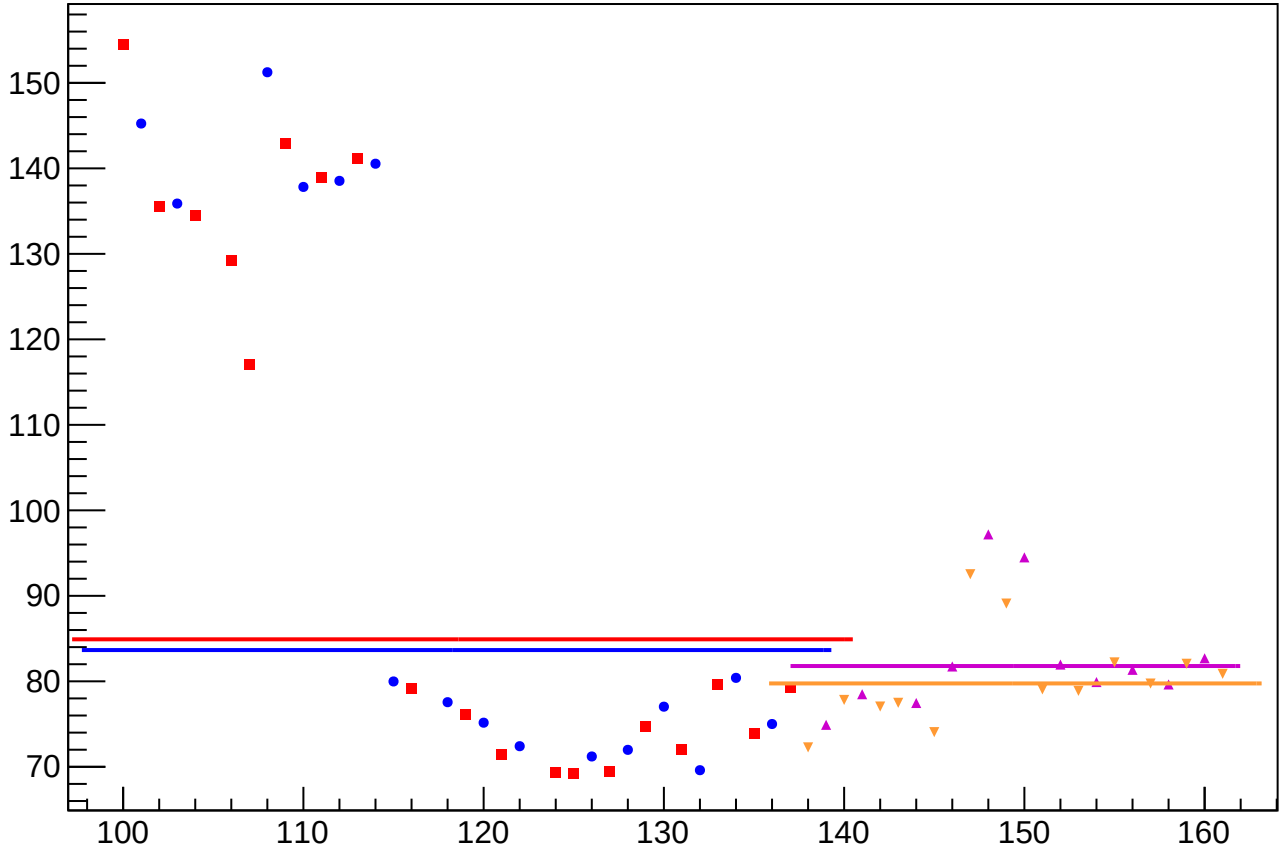
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.730+/-20.514 χ^2/NDF:37.3/26

Out: -83.574+/-19.719 χ^2/NDF:61.2/31

All: -83.649+/-14.216 χ^2/NDF: 98.4/58

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.754+/-0.018 χ^2/NDF:83035.0/12

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.789+/-0.019 χ^2/NDF:100032.8/10

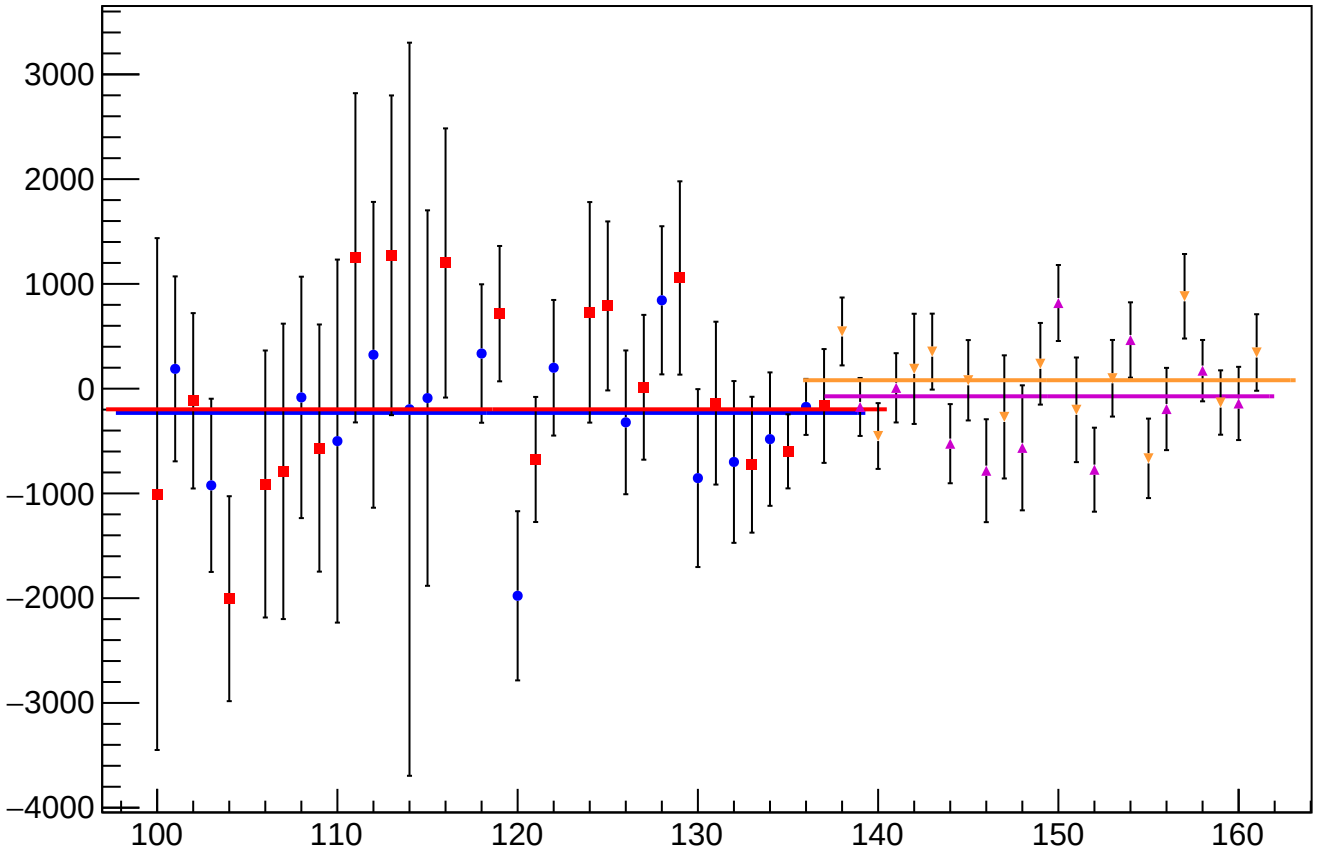
Left: 80.703+/-0.013 χ^2/NDF: 189337.3/23

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.543+/-0.015 χ^2/NDF:1138817.2/26

Out: 81.660+/-0.014 χ^2/NDF:1236598.4/31

All: 82.084+/-0.010 χ^2/NDF: 2377342.7/58



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 80.474+/-105.505 χ^2/NDF:15.2/12

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -72.988+/-109.069 χ^2/NDF:16.5/10

Left: 6.291+/-75.832 χ^2/NDF: 32.8/23

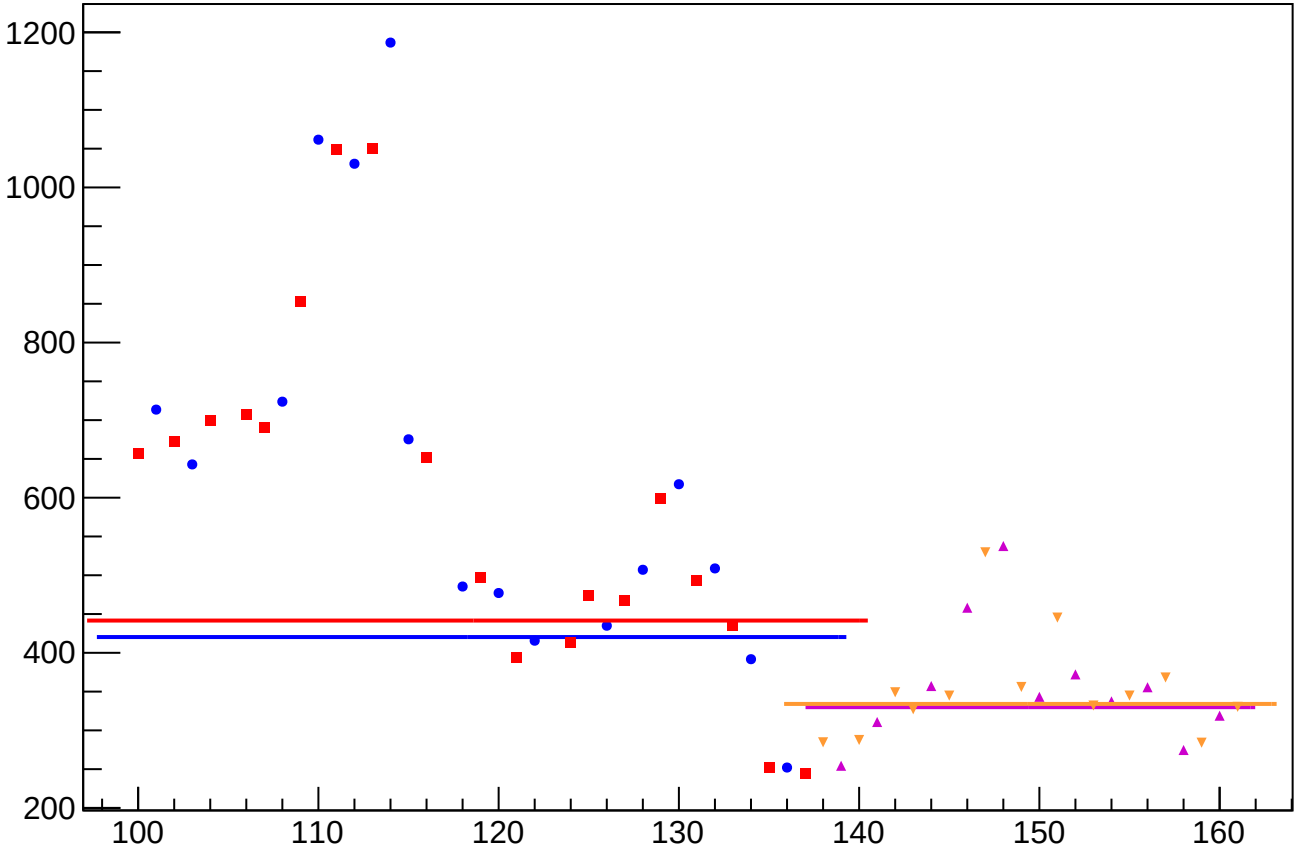
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -119.132+/-91.821 χ^2/NDF:27.6/26

Out: 7.124+/-90.504 χ^2/NDF:32.9/31

All: -55.092+/-64.456 χ^2/NDF: 61.5/58

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.096+/-0.075 χ^2/NDF:490358.7/12

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 329.929+/-0.077 χ^2/NDF:652382.7/10

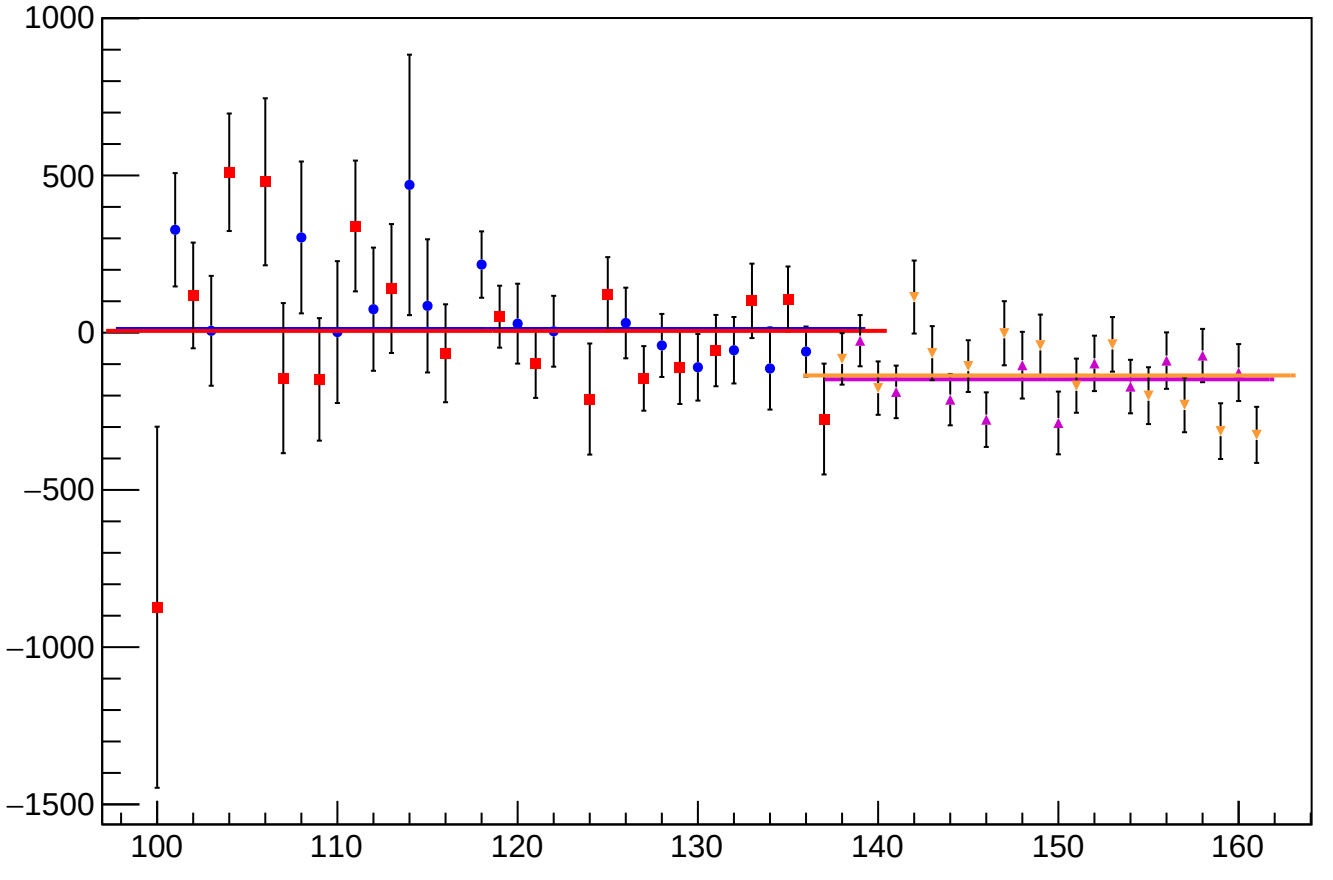
Left: 332.082+/-0.054 χ^2/NDF: 1144250.0/23

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.260+/-0.065 χ^2/NDF:3307190.5/26

Out: 362.493+/-0.064 χ^2/NDF:3346439.1/31

All: 359.422+/-0.046 χ^2/NDF: 6658304.3/58



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -135.943+/-24.833 χ^2/NDF:20.3/12

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.236+/-26.560 χ^2/NDF:9.1/10

Left: -141.677+/-18.139 χ^2/NDF: 29.6/23

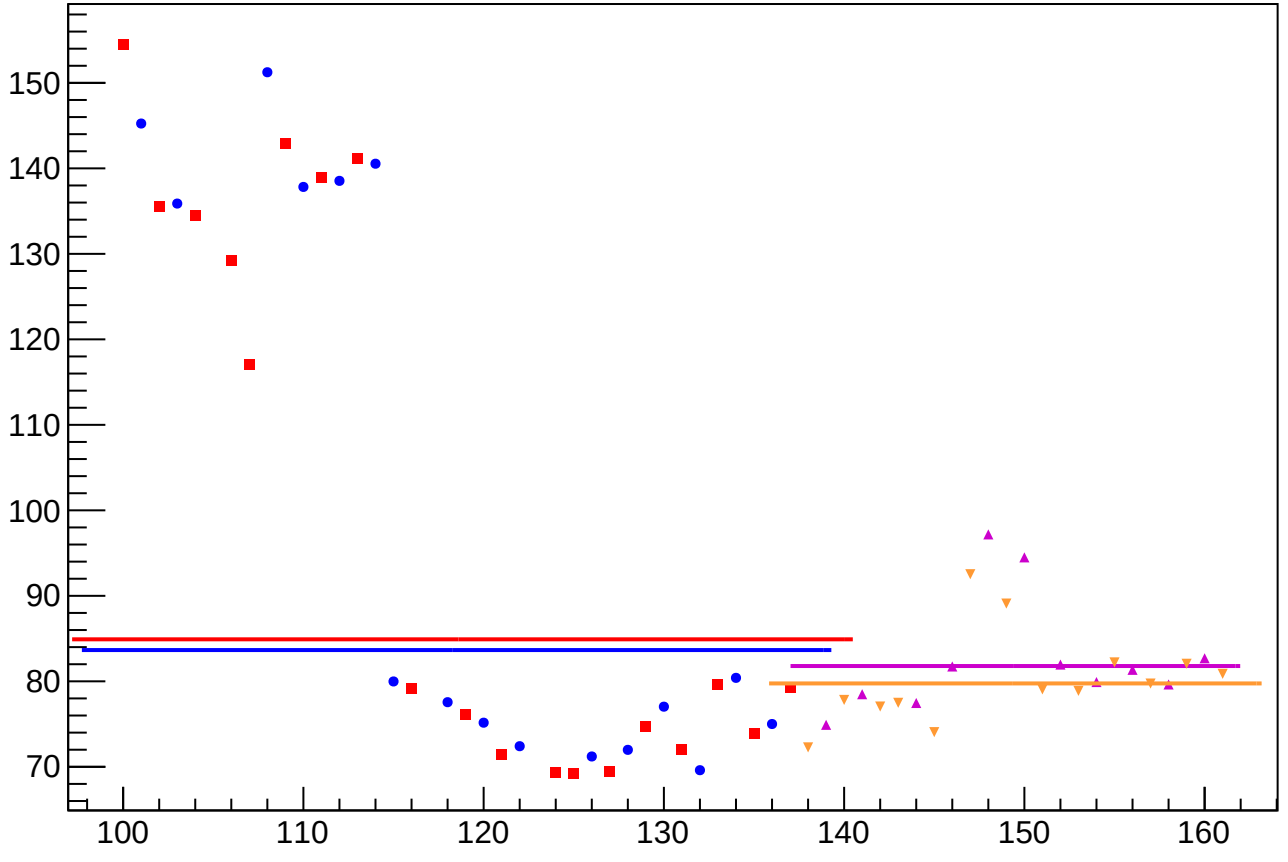
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.730+/-20.514 χ^2/NDF:37.3/26

Out: -83.573+/-19.719 χ^2/NDF:61.2/31

All: -83.649+/-14.216 χ^2/NDF: 98.4/58

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.754+/-0.018 χ^2/NDF:83034.6/12

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.789+/-0.019 χ^2/NDF:100032.0/10

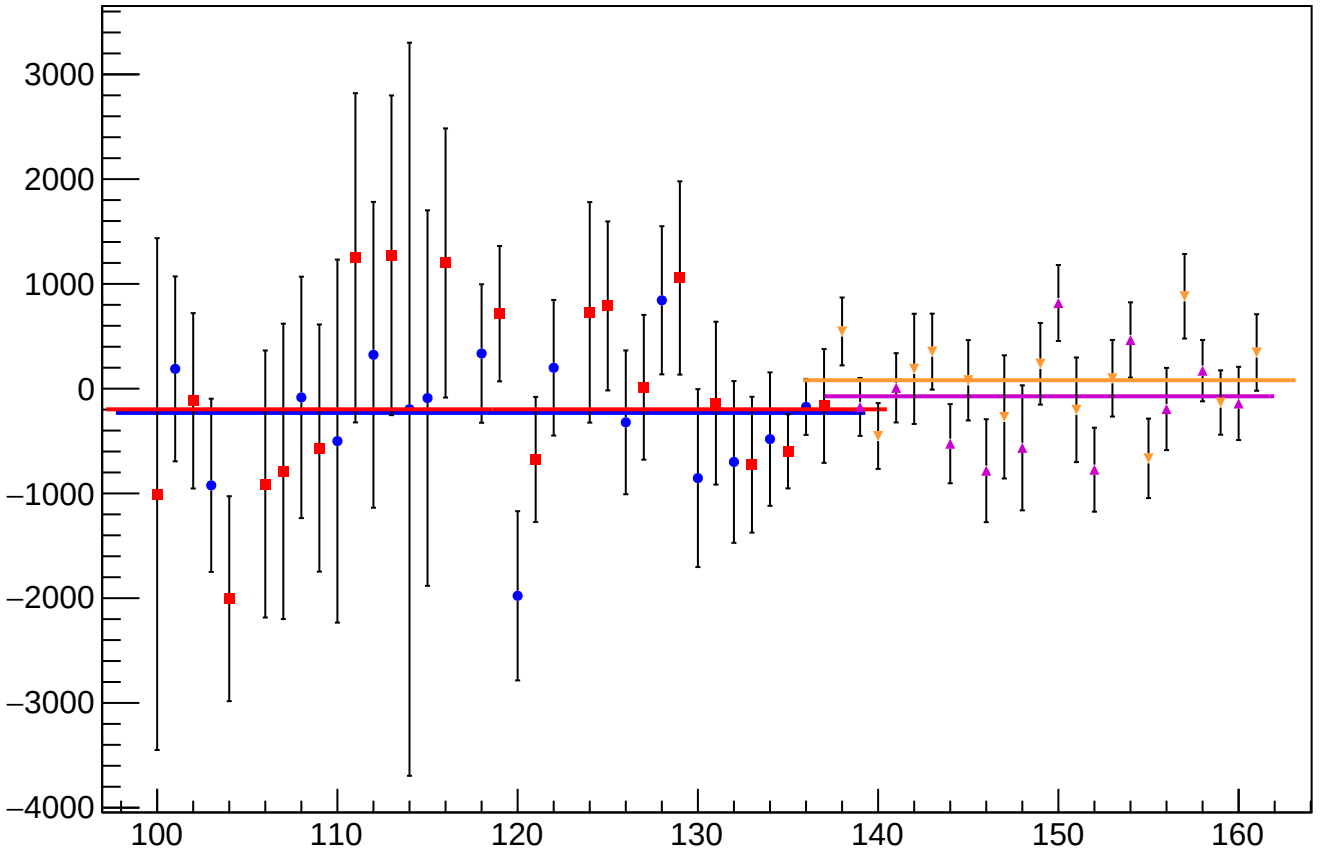
Left: 80.703+/-0.013 χ^2/NDF: 189336.0/23

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.543+/-0.015 χ^2/NDF:1138815.6/26

Out: 81.660+/-0.014 χ^2/NDF:1236596.0/31

All: 82.084+/-0.010 χ^2/NDF: 2377338.8/58



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 80.475+/-105.505 χ^2/NDF:15.2/12

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -72.989+/-109.069 χ^2/NDF:16.5/10

Left: 6.291+/-75.832 χ^2/NDF: 32.8/23

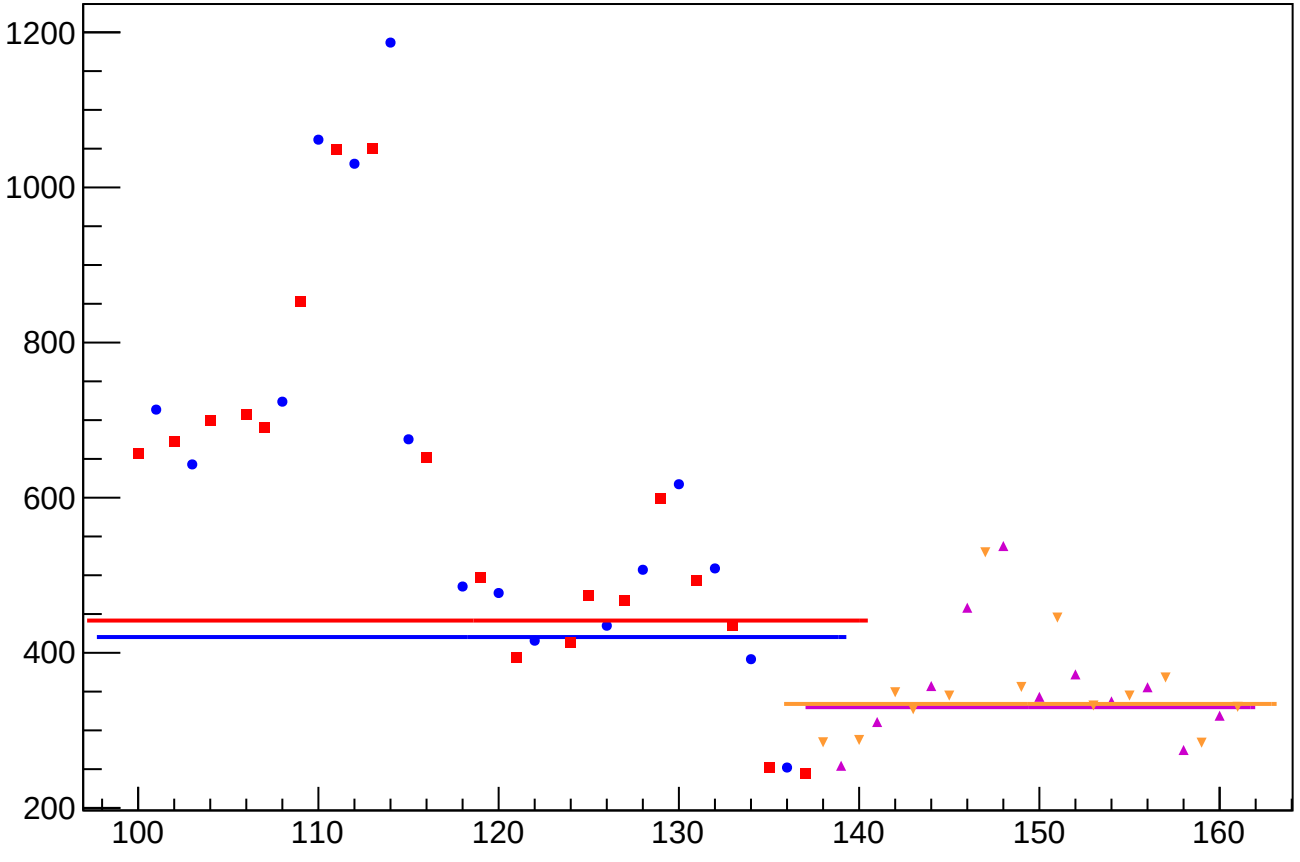
Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -119.132+/-91.821 χ^2/NDF:27.6/26

Out: 7.124+/-90.504 χ^2/NDF:32.9/31

All: -55.092+/-64.456 χ^2/NDF: 61.5/58

asym_sam1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.096+/-0.075 χ^2/NDF:490359.1/12

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 329.928+/-0.077 χ^2/NDF:652384.4/10

Left: 332.081+/-0.054 χ^2/NDF: 1144252.0/23

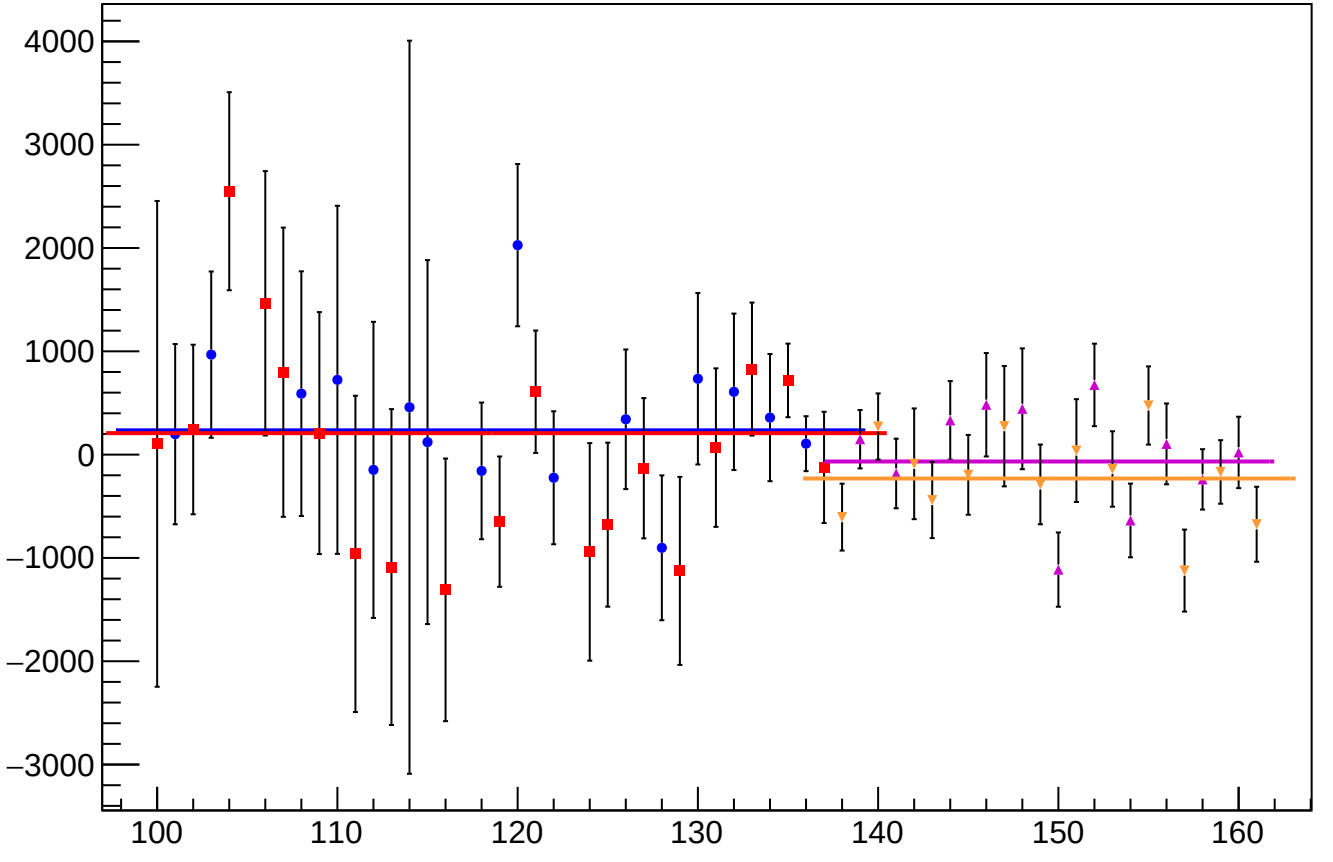
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.260+/-0.065 χ^2/NDF:3307193.5/26

Out: 362.493+/-0.064 χ^2/NDF:3346440.6/31

All: 359.421+/-0.046 χ^2/NDF: 6658308.7/58

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -231.032+/-105.708 χ^2/NDF:15.4/12

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -66.415+/-109.335 χ^2/NDF:18.9/10

Left: -151.499+/-75.997 χ^2/NDF: 35.4/23

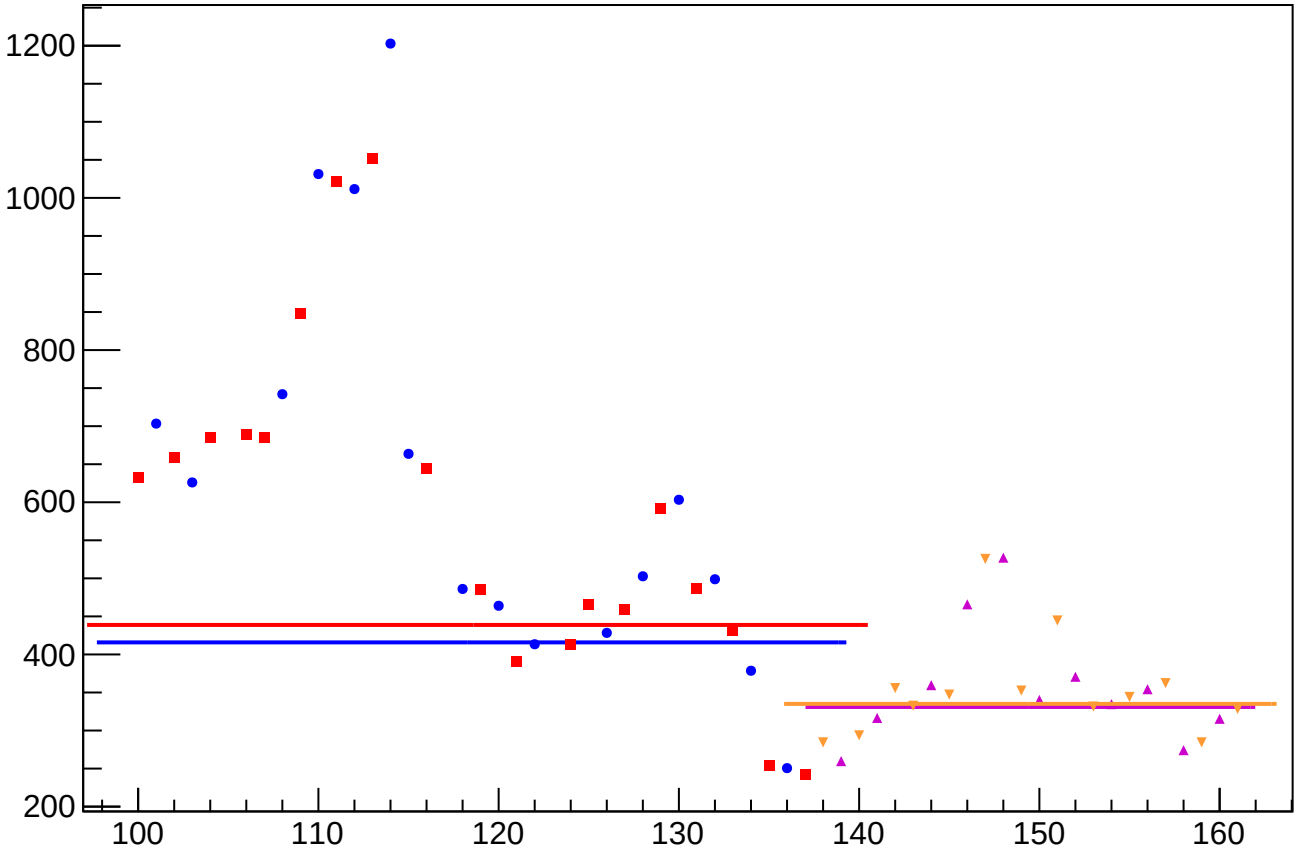
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.131+/-91.670 χ^2/NDF:31.8/26

Out: -113.403+/-90.443 χ^2/NDF:40.4/31

All: -46.056+/-64.382 χ^2/NDF: 73.3/58

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 335.023+/-0.075 χ^2/NDF:467655.2/12

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 331.002+/-0.077 χ^2/NDF:620232.3/10

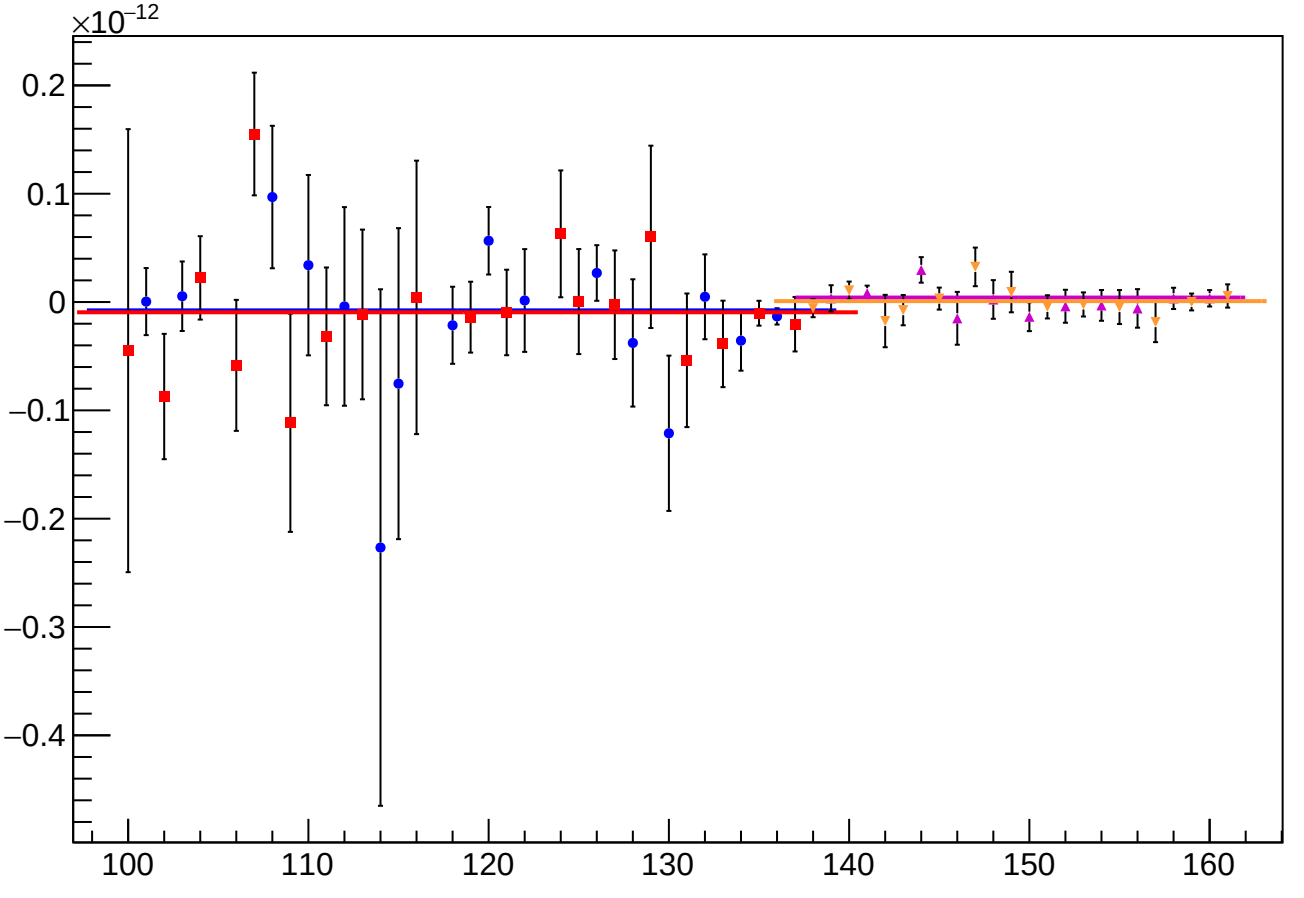
Left: 333.080+/-0.054 χ^2/NDF: 1089286.0/23

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.201+/-0.065 χ^2/NDF:3201866.0/26

Out: 362.825+/-0.064 χ^2/NDF:3218696.9/31

All: 359.558+/-0.046 χ^2/NDF: 6425853.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/10

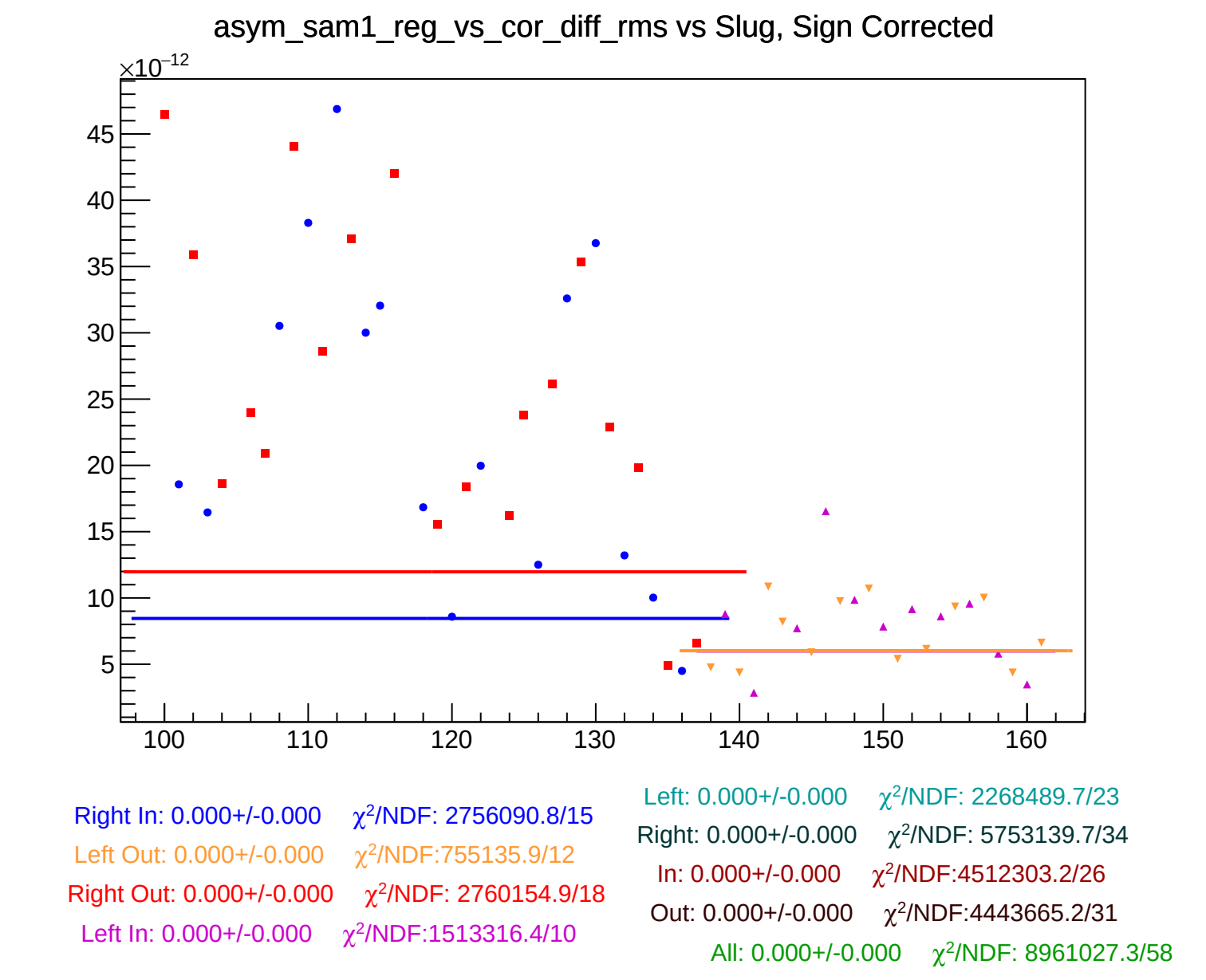
Left: 0.000+/-0.000 χ^2/NDF: 16.9/23

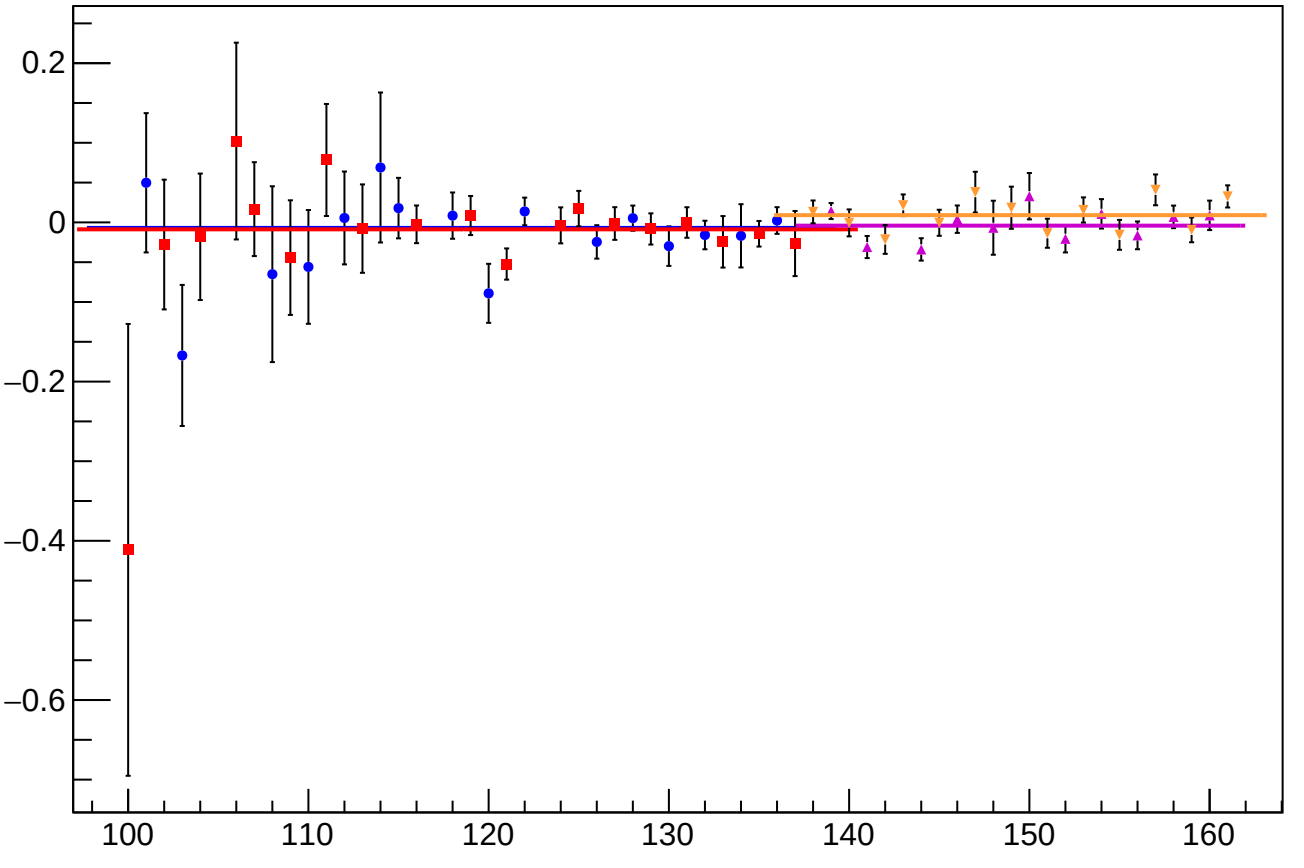
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.8/26

Out: -0.000+/-0.000 χ^2/NDF:25.8/31

All: 0.000+/-0.000 χ^2/NDF: 51.9/58


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:755135.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1513316.4/10
Left: 0.000+/-0.000 χ²/NDF: 2268489.7/23
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4512303.2/26
Out: 0.000+/-0.000 χ²/NDF:4443665.2/31
All: 0.000+/-0.000 χ²/NDF: 8961027.3/58



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:16.6/10

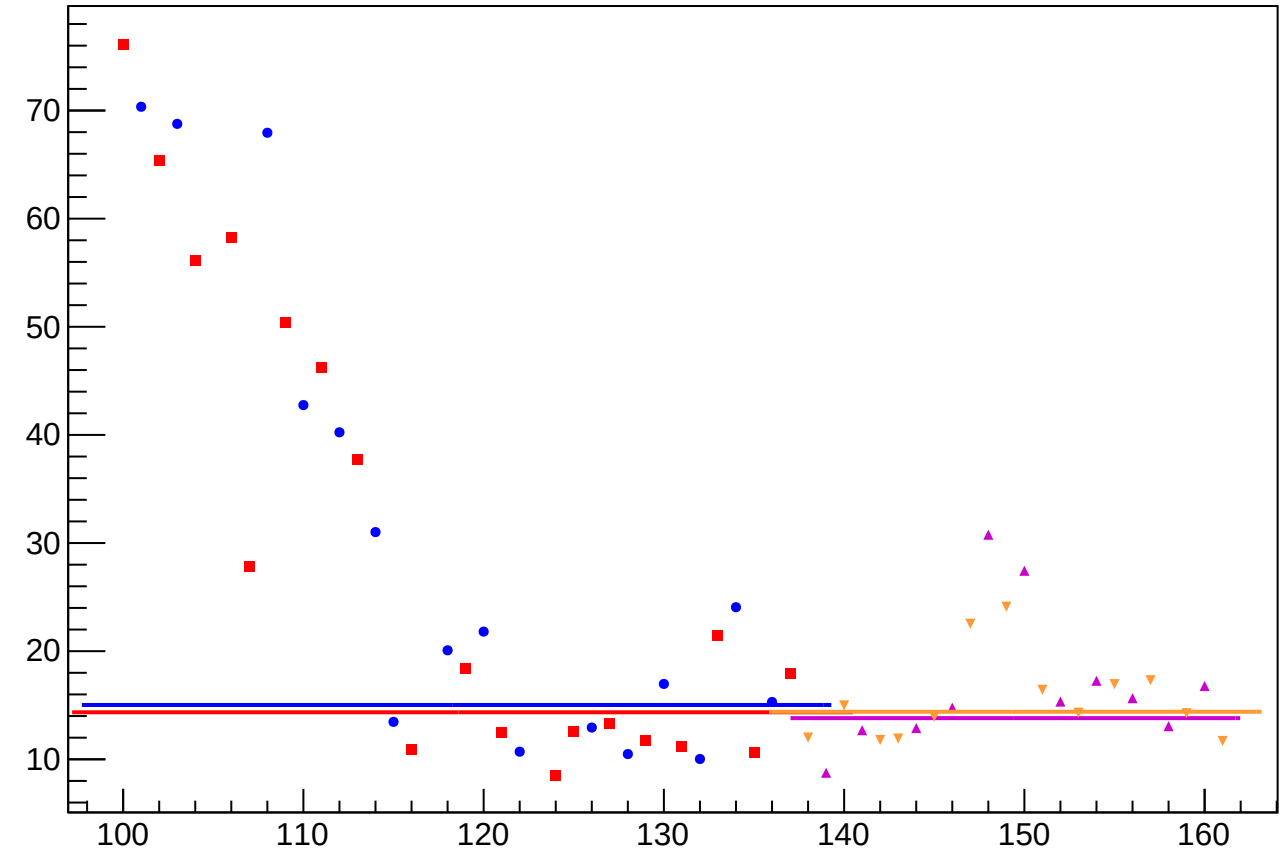
Left: 0.003+/-0.003 χ^2/NDF: 36.6/23

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.003+/-0.004 χ^2/NDF:33.9/31

All: -0.001+/-0.003 χ^2/NDF: 67.7/58



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.396+/-0.003 χ^2/NDF:821594.4/12

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637031.9/10

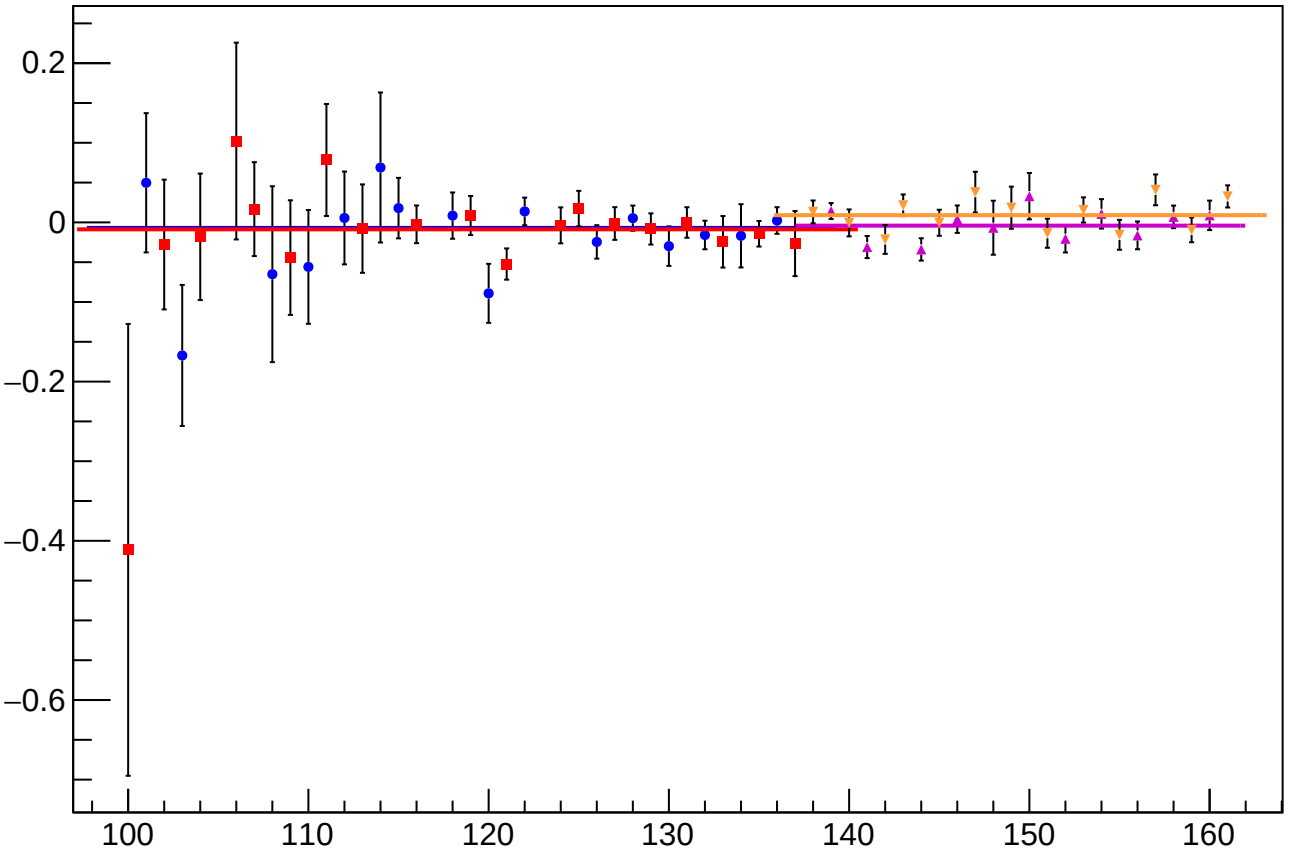
Left: 14.108+/-0.002 χ^2/NDF: 2474001.6/23

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.219+/-0.003 χ^2/NDF:5118693.2/26

Out: 14.379+/-0.003 χ^2/NDF:4450682.3/31

All: 14.302+/-0.002 χ^2/NDF: 9571105.6/58



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:16.6/10

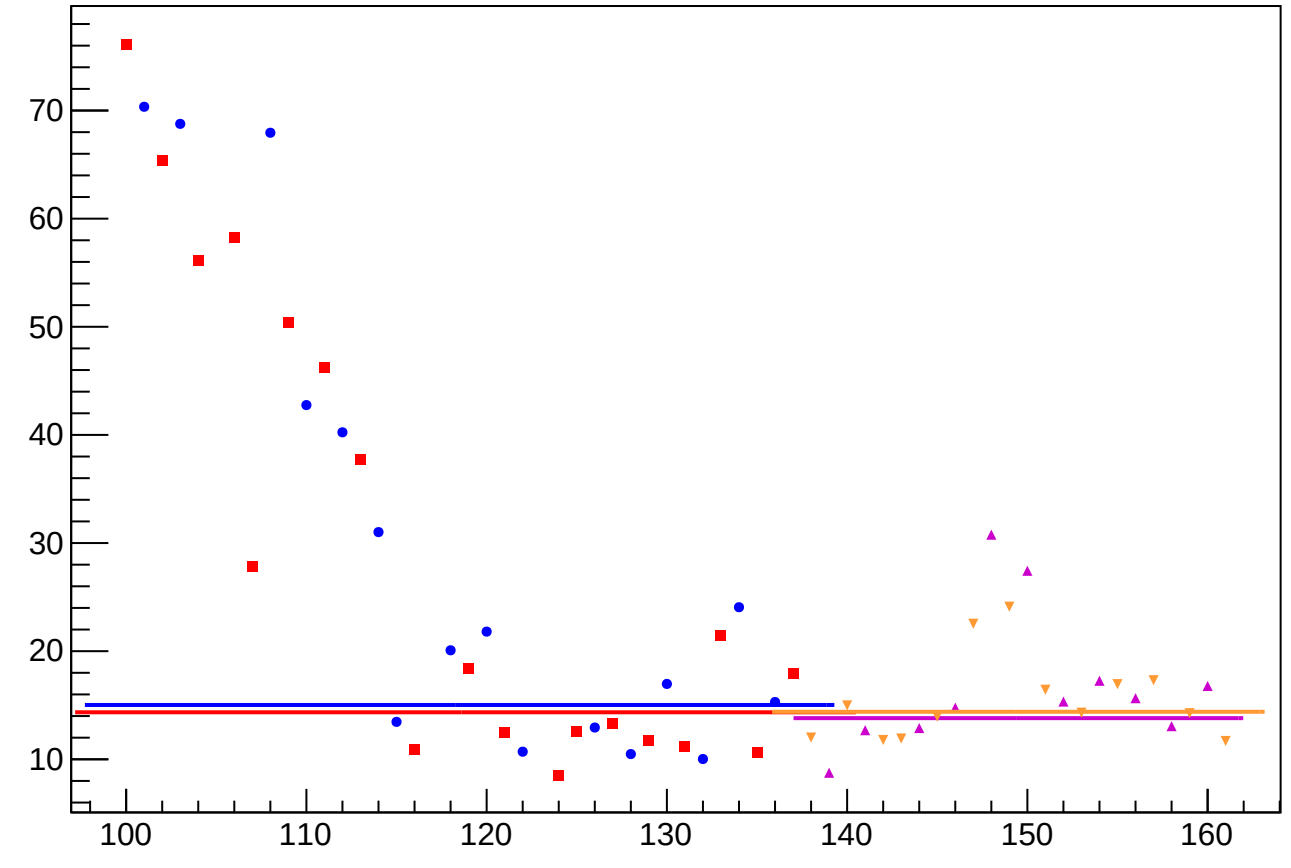
Left: 0.003+/-0.003 χ^2/NDF: 36.6/23

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:31.6/26

Out: 0.003+/-0.004 χ^2/NDF:33.9/31

All: -0.001+/-0.003 χ^2/NDF: 67.7/58



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.396+/-0.003 χ^2/NDF:821594.4/12

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637031.9/10

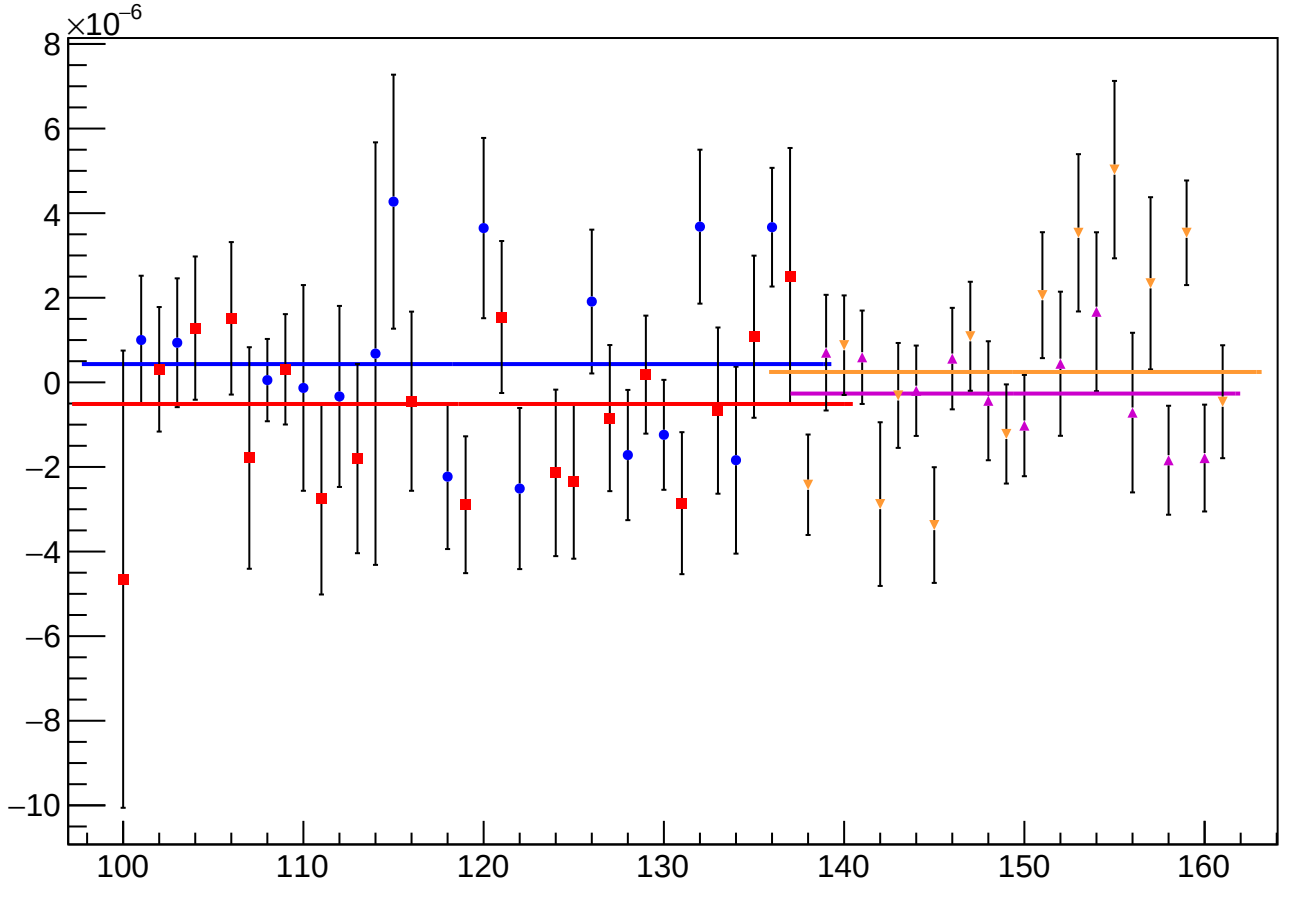
Left: 14.108+/-0.002 χ^2/NDF: 2474001.6/23

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.219+/-0.003 χ^2/NDF:5118693.2/26

Out: 14.379+/-0.003 χ^2/NDF:4450682.3/31

All: 14.302+/-0.002 χ^2/NDF: 9571105.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

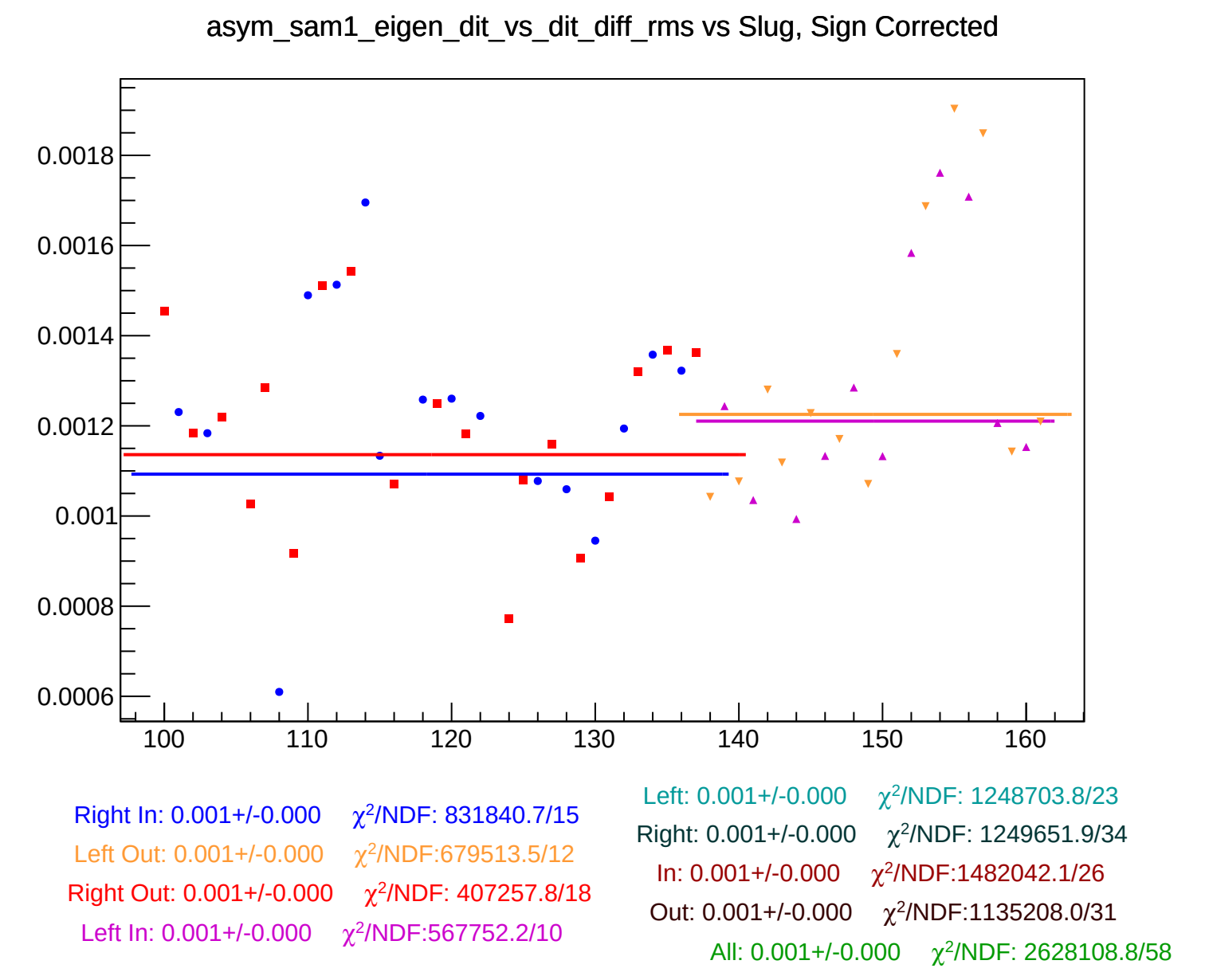
Left: -0.000+/-0.000 χ^2/NDF: 42.5/23

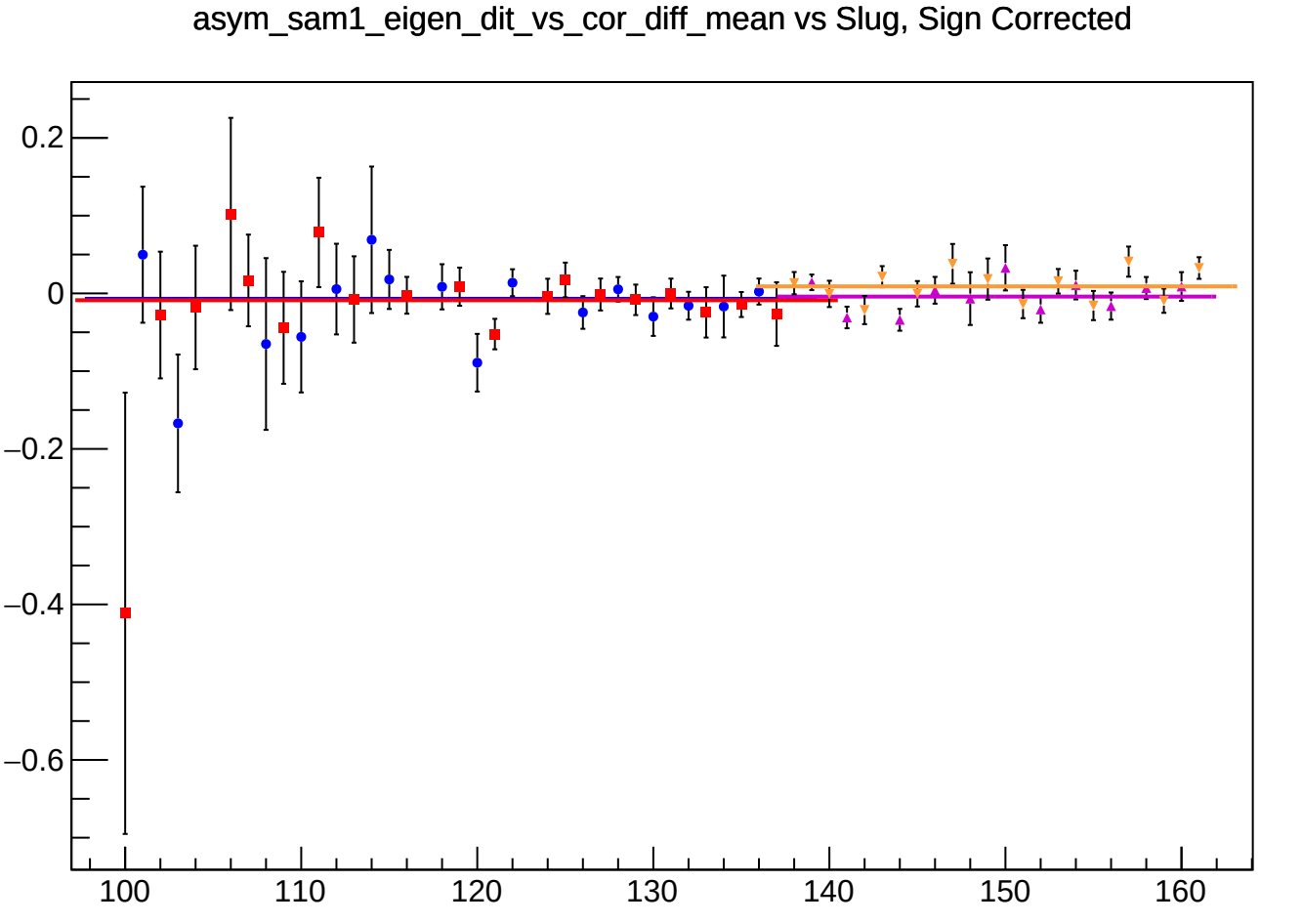
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

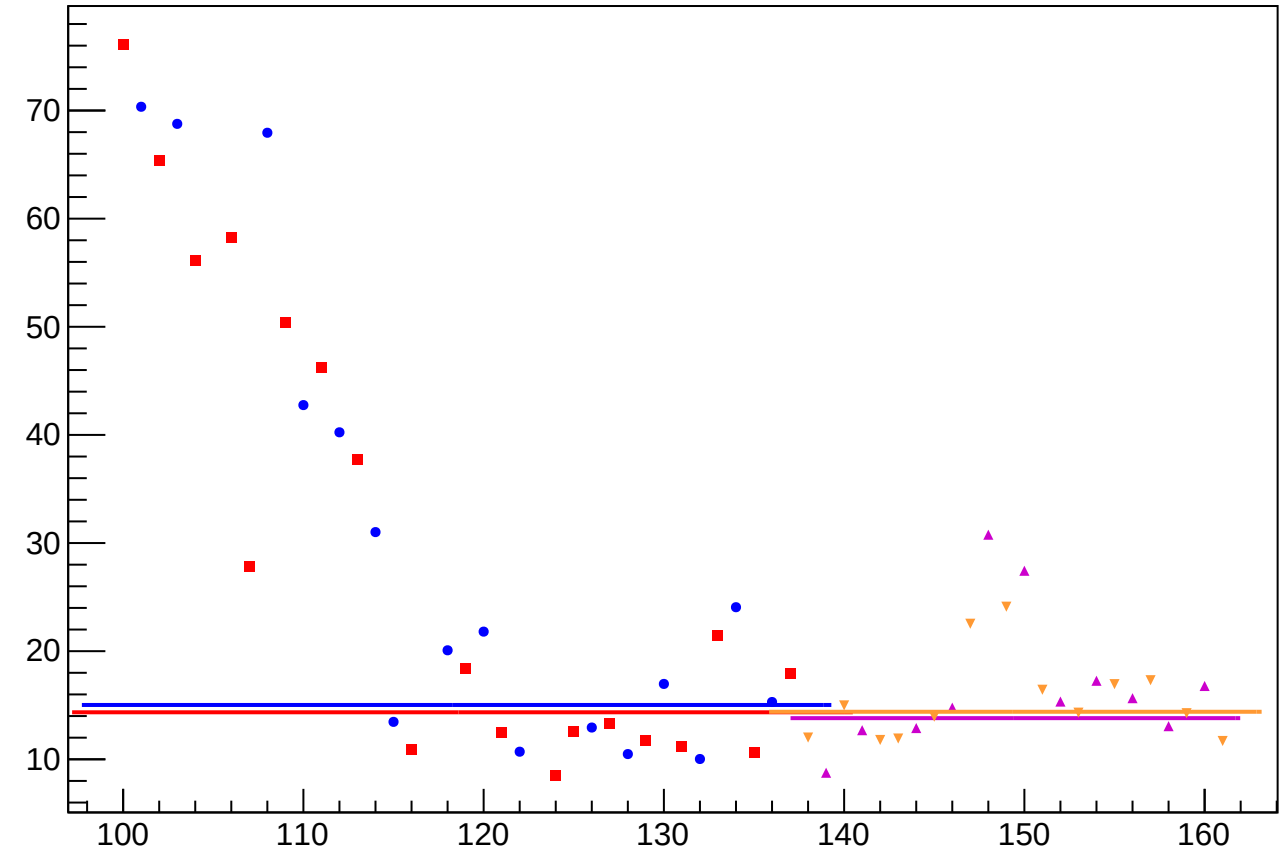
In: 0.000+/-0.000 χ^2/NDF:30.9/26

Out: -0.000+/-0.000 χ^2/NDF:51.4/31

All: -0.000+/-0.000 χ^2/NDF: 82.5/58


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:679513.5/12
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:567752.2/10
Left: 0.001+/-0.000 χ²/NDF: 1248703.8/23
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1482042.1/26
Out: 0.001+/-0.000 χ²/NDF:1135208.0/31
All: 0.001+/-0.000 χ²/NDF: 2628108.8/58


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.009+/-0.005 χ²/NDF:16.2/12
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.004+/-0.005 χ²/NDF:16.6/10
Left: 0.003+/-0.003 χ²/NDF: 36.6/23
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.005+/-0.004 χ²/NDF:31.6/26
Out: 0.003+/-0.004 χ²/NDF:33.9/31
All: -0.001+/-0.003 χ²/NDF: 67.7/58



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.396+/-0.003 χ^2/NDF:821643.8/12

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637069.8/10

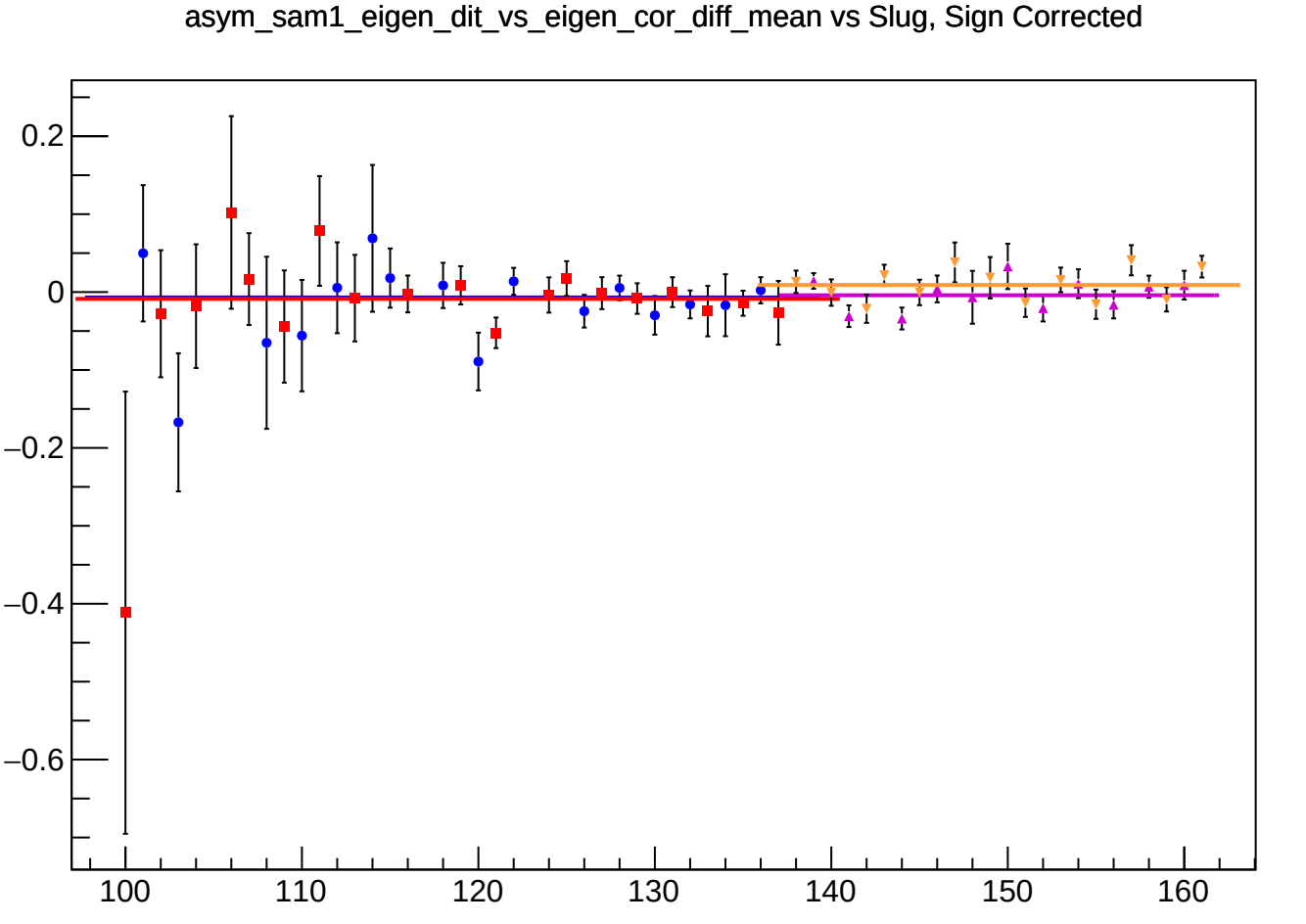
Left: 14.108+/-0.002 χ^2/NDF: 2474088.5/23

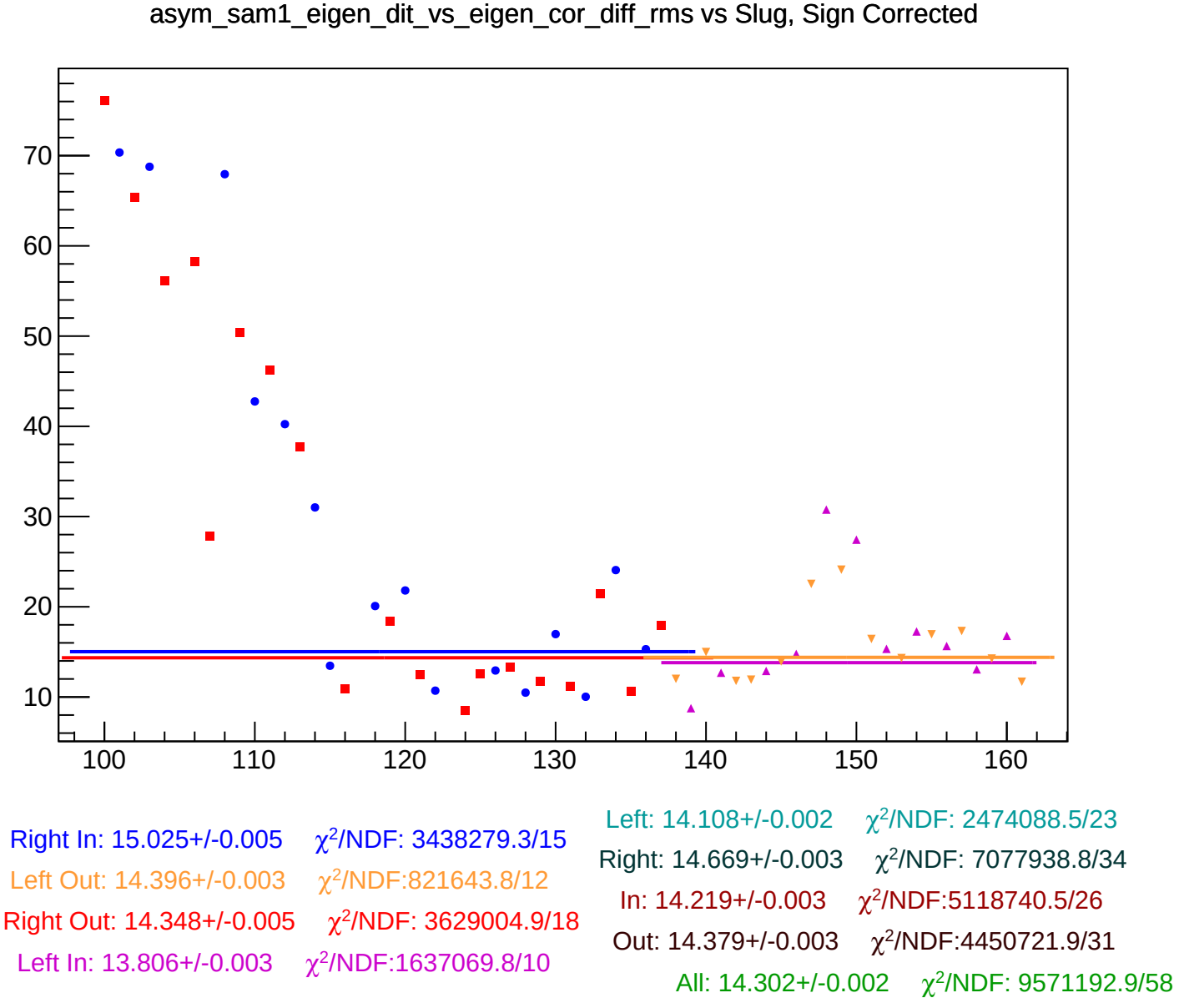
Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

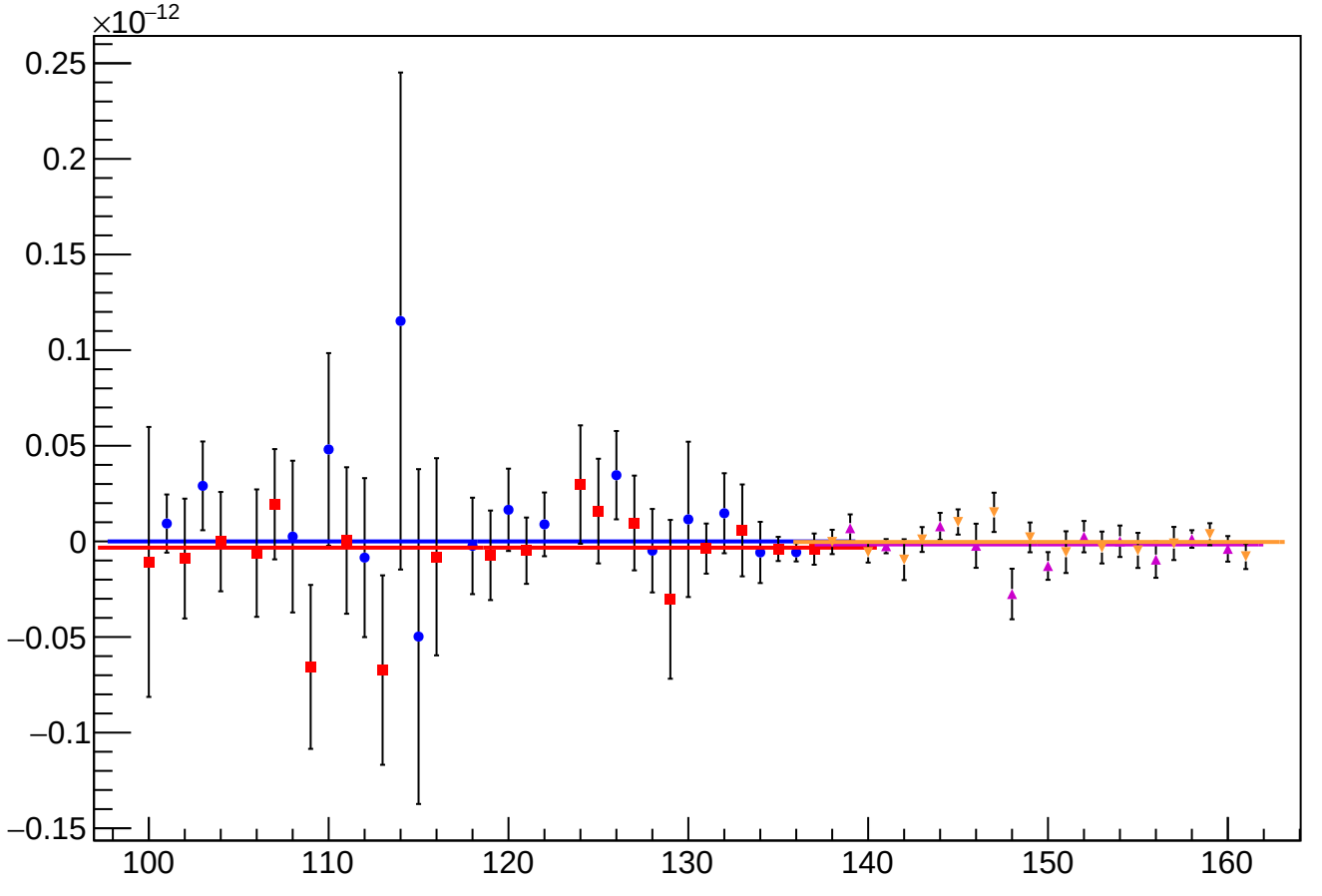
In: 14.219+/-0.003 χ^2/NDF:5118740.5/26

Out: 14.379+/-0.003 χ^2/NDF:4450721.9/31

All: 14.302+/-0.002 χ^2/NDF: 9571192.9/58


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.009+/-0.005 χ²/NDF:16.2/12
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.004+/-0.005 χ²/NDF:16.6/10
Left: 0.003+/-0.003 χ²/NDF: 36.6/23
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.005+/-0.004 χ²/NDF:31.6/26
Out: 0.003+/-0.004 χ²/NDF:33.9/31
All: -0.001+/-0.003 χ²/NDF: 67.7/58


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 14.396+/-0.003 χ²/NDF:821643.8/12
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 13.806+/-0.003 χ²/NDF:1637069.8/10
Left: 14.108+/-0.002 χ²/NDF: 2474088.5/23
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 14.219+/-0.003 χ²/NDF:5118740.5/26
Out: 14.379+/-0.003 χ²/NDF:4450721.9/31
All: 14.302+/-0.002 χ²/NDF: 9571192.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/10

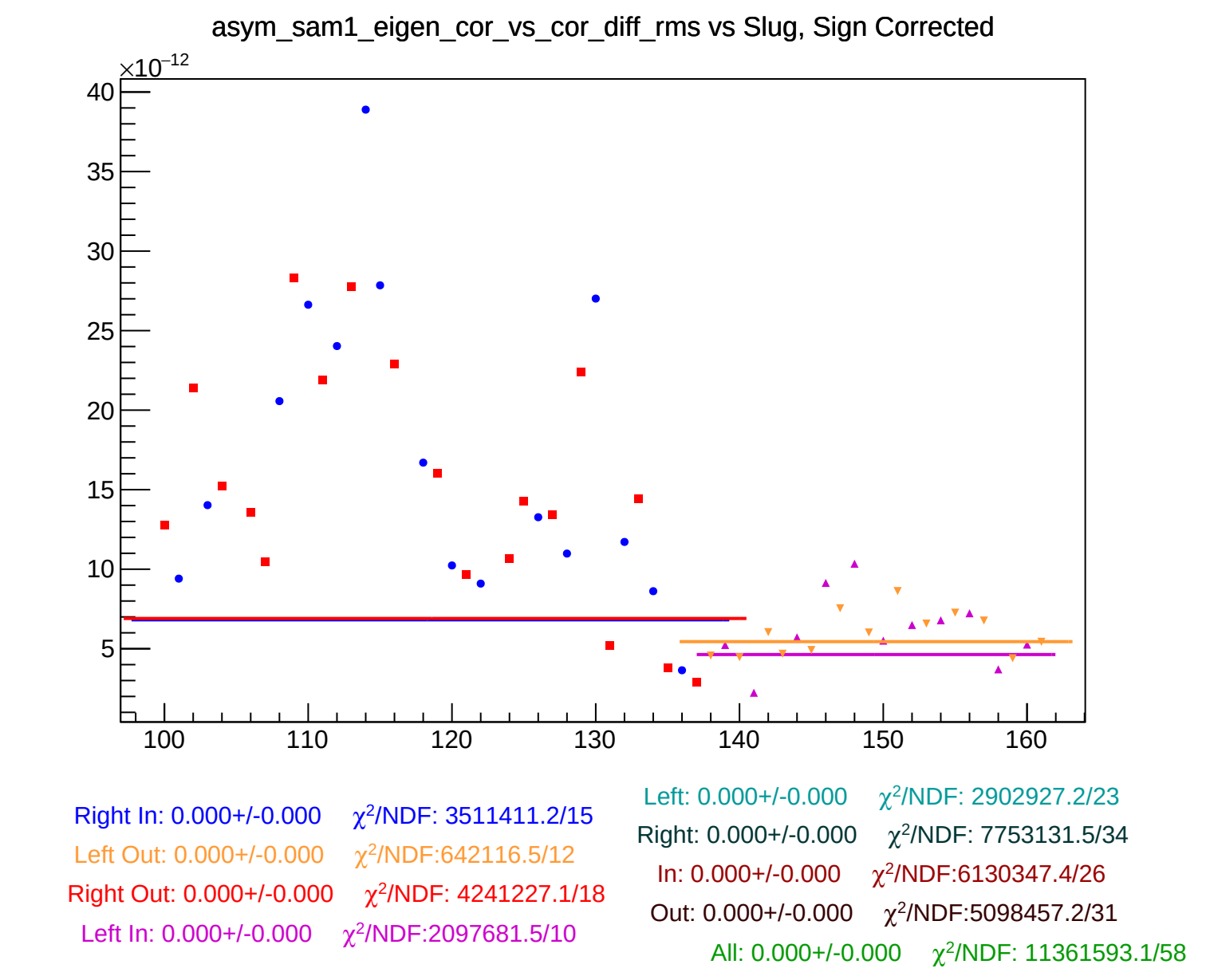
Left: -0.000+/-0.000 χ^2/NDF: 20.2/23

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

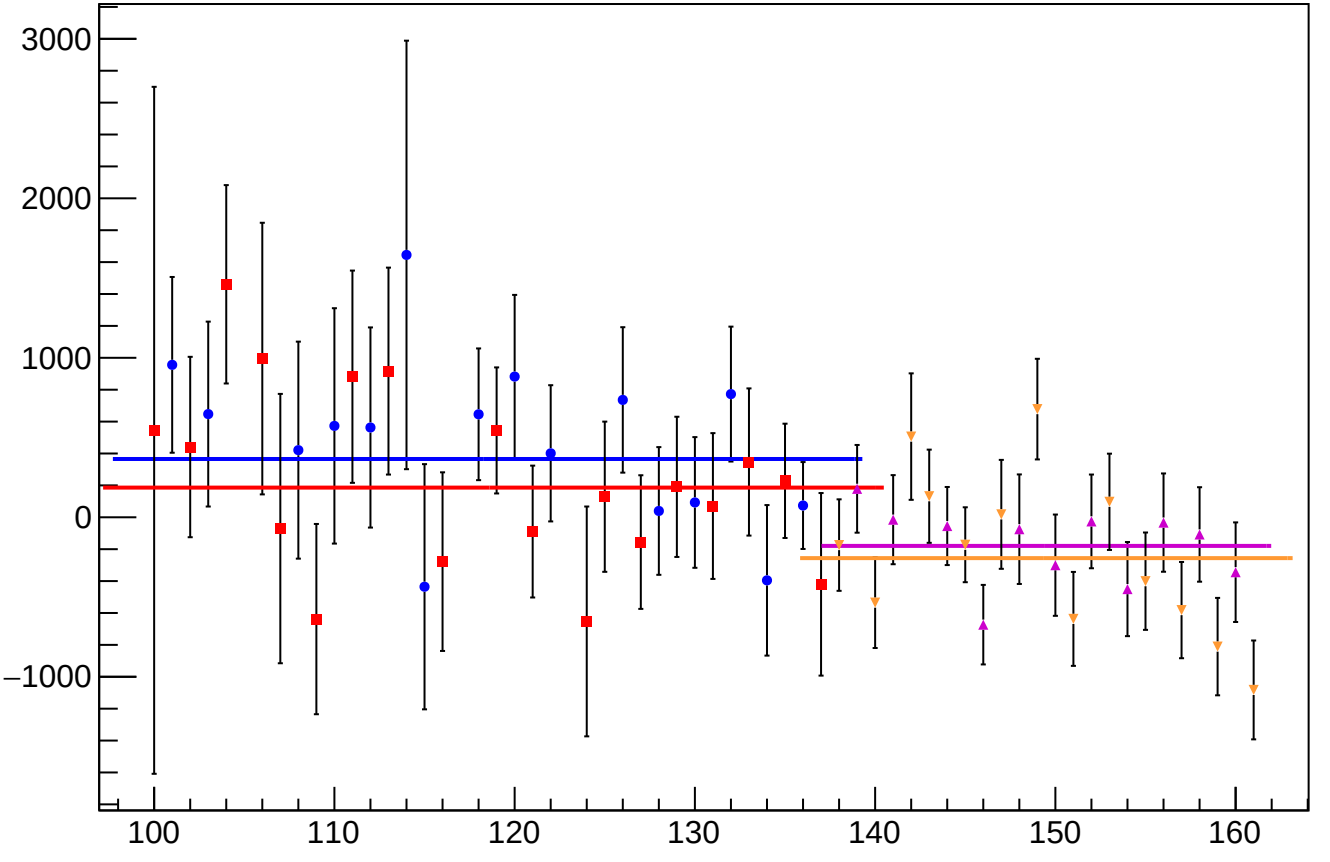
In: -0.000+/-0.000 χ^2/NDF:20.5/26

Out: -0.000+/-0.000 χ^2/NDF:16.5/31

All: -0.000+/-0.000 χ^2/NDF: 36.9/58


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:642116.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2097681.5/10
Left: 0.000+/-0.000 χ²/NDF: 2902927.2/23
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6130347.4/26
Out: 0.000+/-0.000 χ²/NDF:5098457.2/31
All: 0.000+/-0.000 χ²/NDF: 11361593.1/58

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -256.037+/-83.142 χ^2/NDF:30.9/12

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -179.403+/-86.892 χ^2/NDF:8.1/10

Left: -219.409+/-60.072 χ^2/NDF: 39.4/23

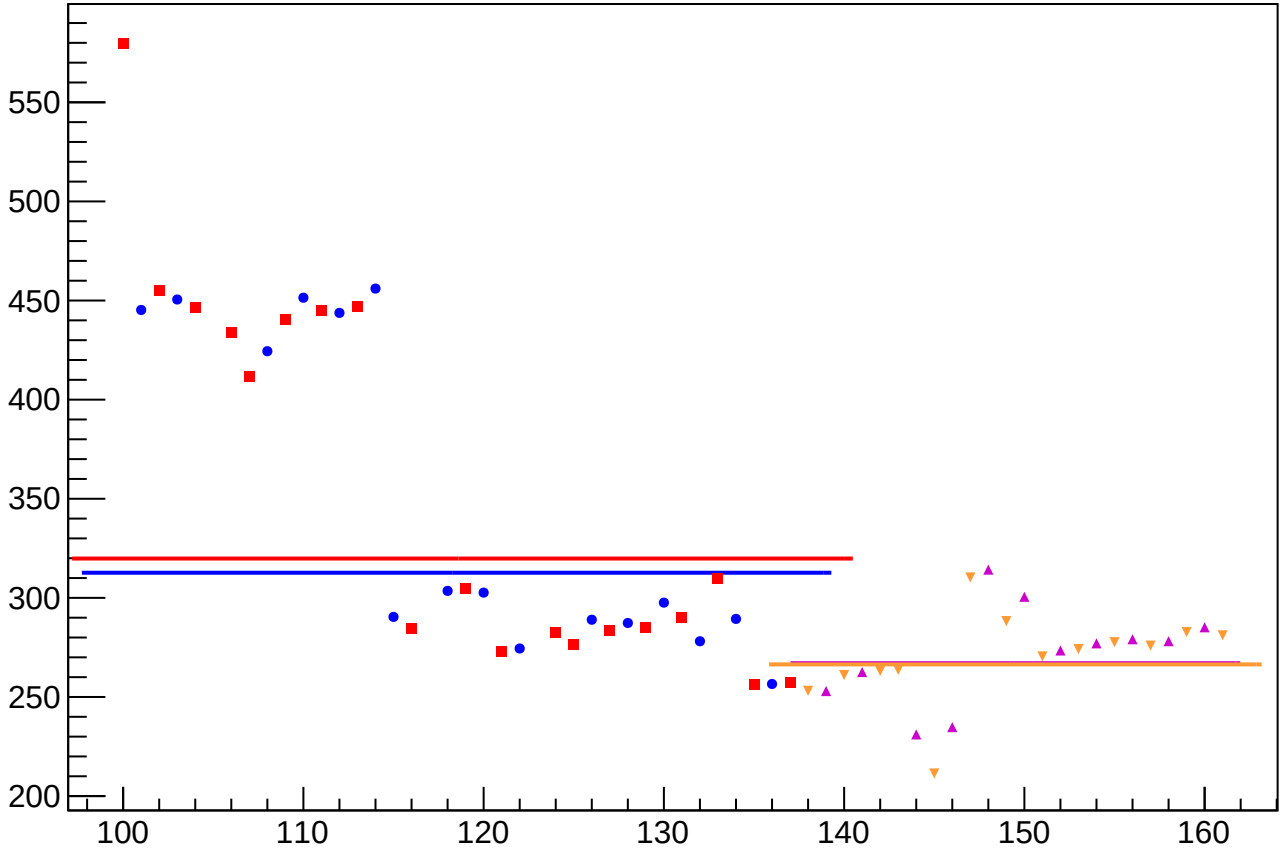
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 10.367+/-70.149 χ^2/NDF:33.3/26

Out: -112.923+/-68.376 χ^2/NDF:55.0/31

All: -52.856+/-48.964 χ^2/NDF: 89.9/58

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

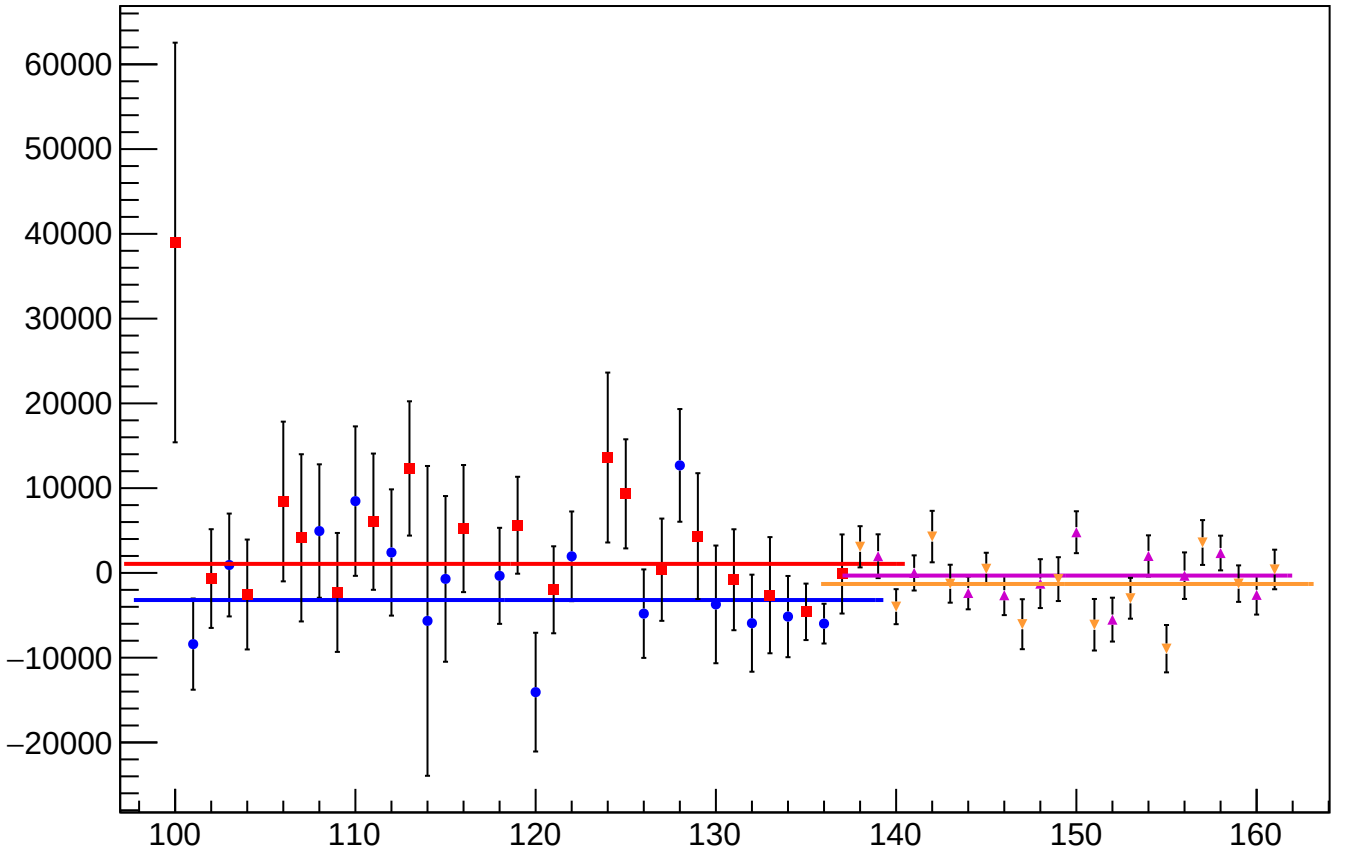
Left: 266.735+/-0.042 χ^2/NDF: 332426.3/23

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.944+/-0.050 χ^2/NDF:952402.6/26

Out: 283.725+/-0.048 χ^2/NDF:1139115.1/31

All: 283.345+/-0.035 χ^2/NDF: 2091644.9/58



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1304.684+/-673.240 χ^2/NDF:26.3/12

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -314.915+/-708.859 χ^2/NDF:14.9/10

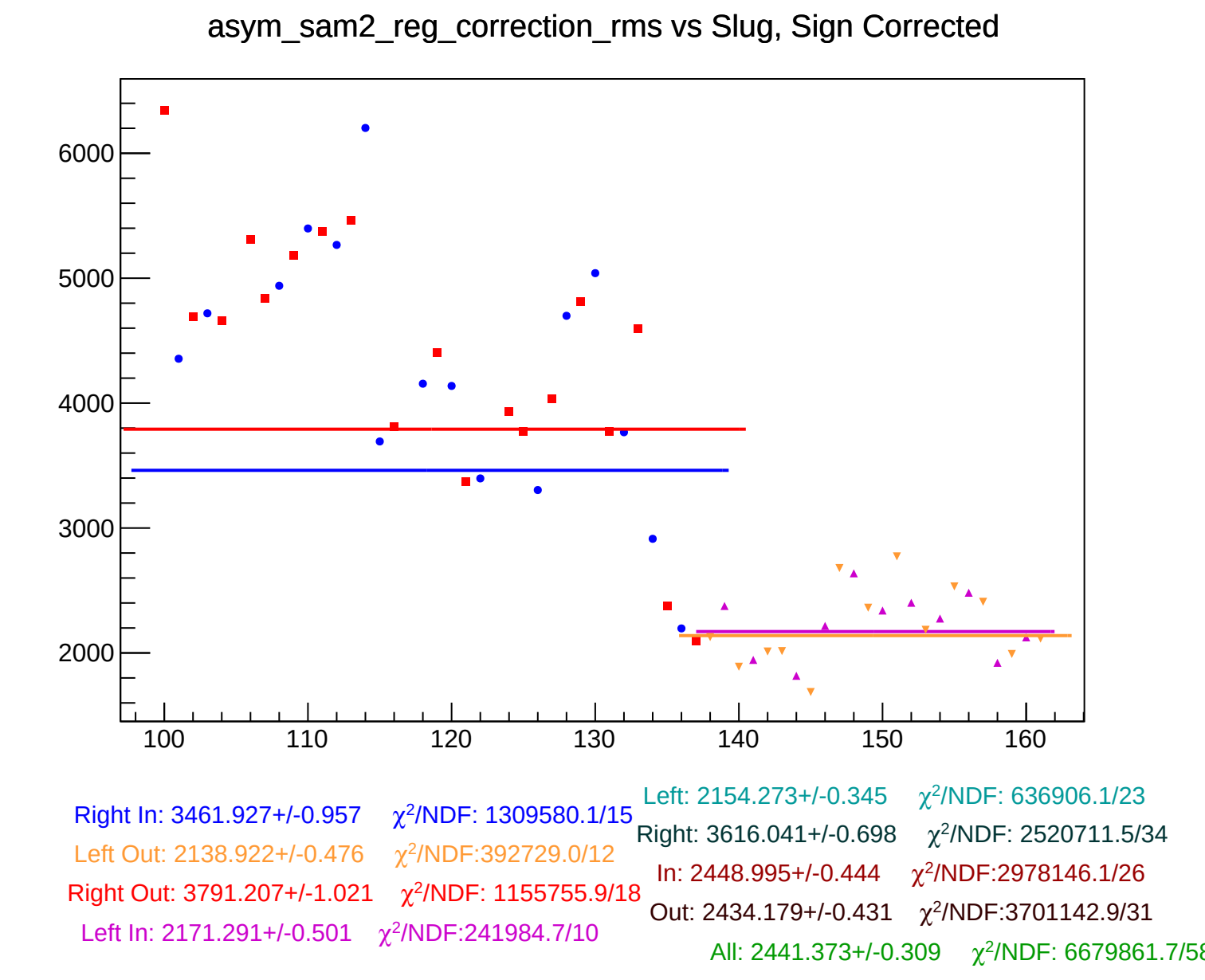
Left: -835.291+/-488.159 χ^2/NDF: 42.2/23

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

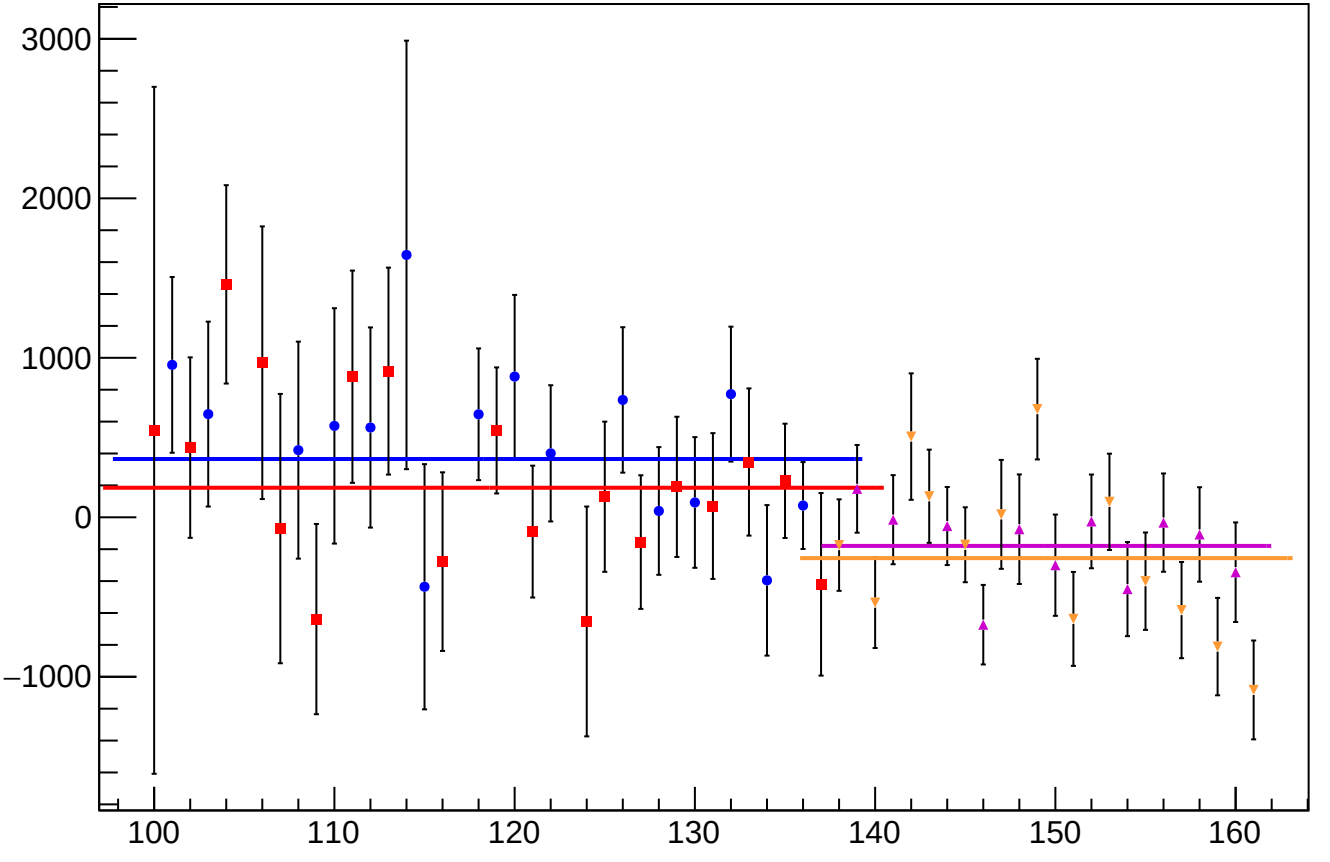
In: -935.423+/-627.983 χ^2/NDF:34.5/26

Out: -881.064+/-610.129 χ^2/NDF:42.9/31

All: -907.460+/-437.602 χ^2/NDF: 77.4/58


asym_sam2_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3461.927+/-0.957 χ²/NDF: 1309580.1/15
Left Out: 2138.922+/-0.476 χ²/NDF:392729.0/12
Right Out: 3791.207+/-1.021 χ²/NDF: 1155755.9/18
Left In: 2171.291+/-0.501 χ²/NDF:241984.7/10
Left: 2154.273+/-0.345 χ²/NDF: 636906.1/23
Right: 3616.041+/-0.698 χ²/NDF: 2520711.5/34
In: 2448.995+/-0.444 χ²/NDF:2978146.1/26
Out: 2434.179+/-0.431 χ²/NDF:3701142.9/31
All: 2441.373+/-0.309 χ²/NDF: 6679861.7/58

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -256.022+/-83.142 χ^2/NDF:30.9/12

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -179.407+/-86.892 χ^2/NDF:8.1/10

Left: -219.403+/-60.072 χ^2/NDF: 39.4/23

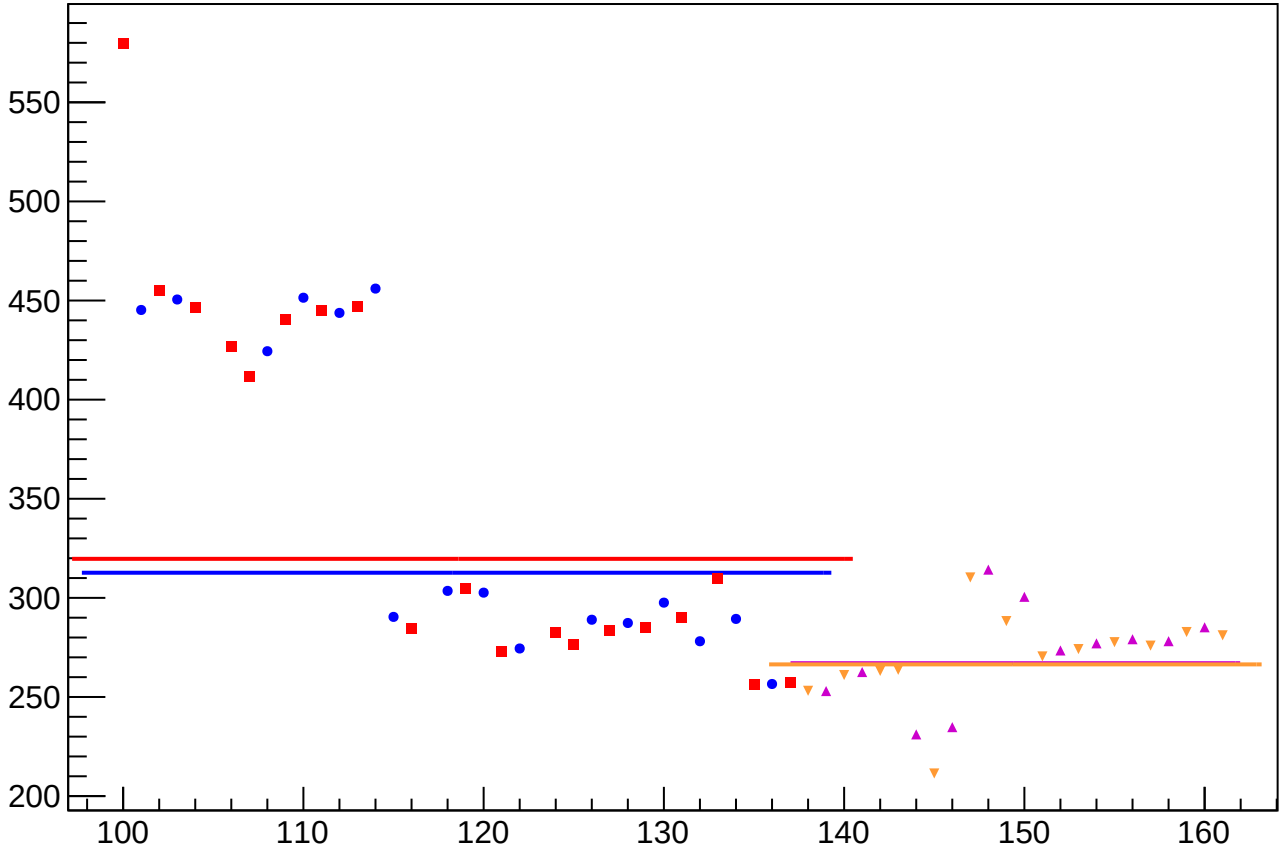
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 10.359+/-70.149 χ^2/NDF:33.3/26

Out: -113.193+/-68.378 χ^2/NDF:54.9/31

All: -52.997+/-48.965 χ^2/NDF: 89.9/58

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

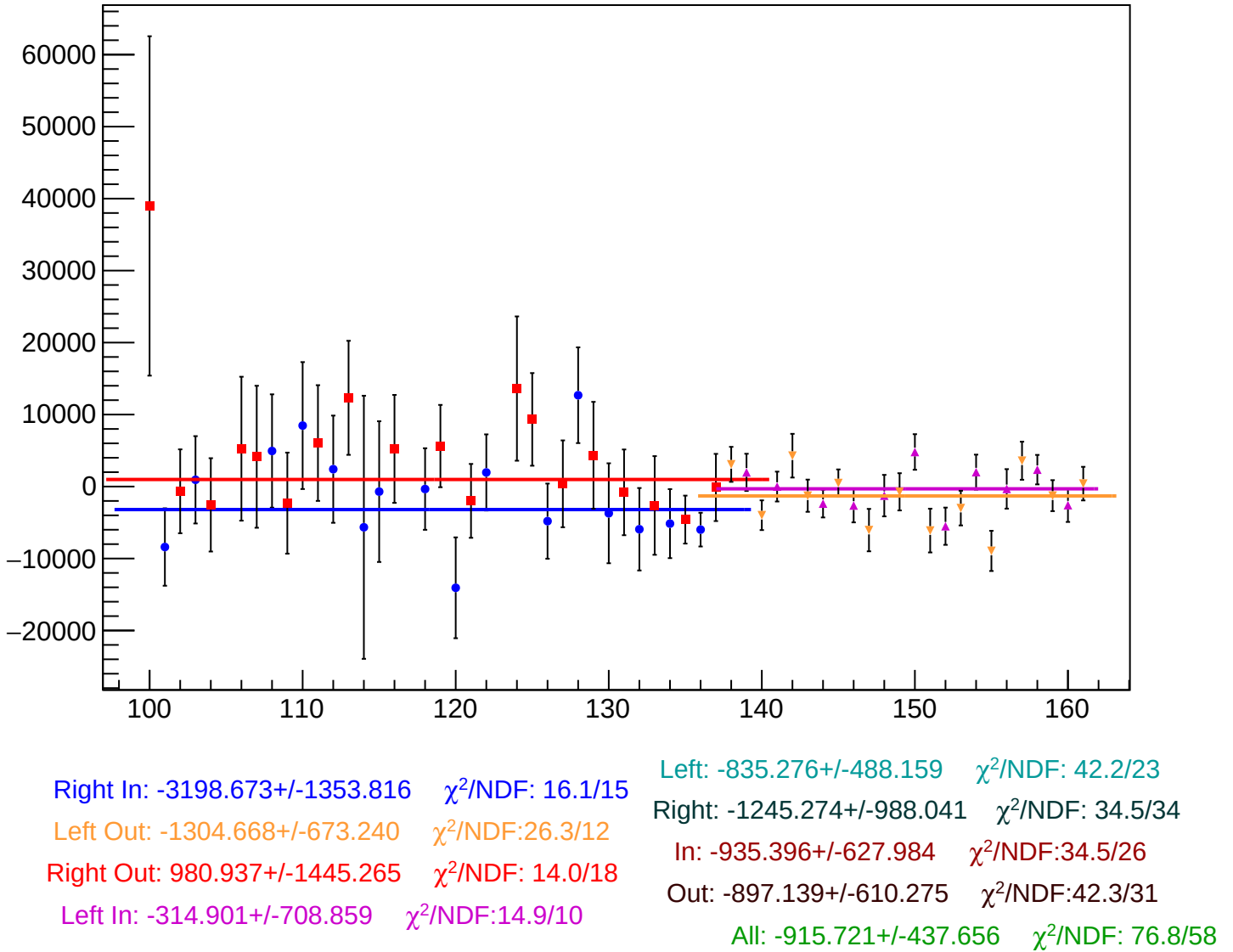
Left: 266.735+/-0.042 χ^2/NDF: 332426.3/23

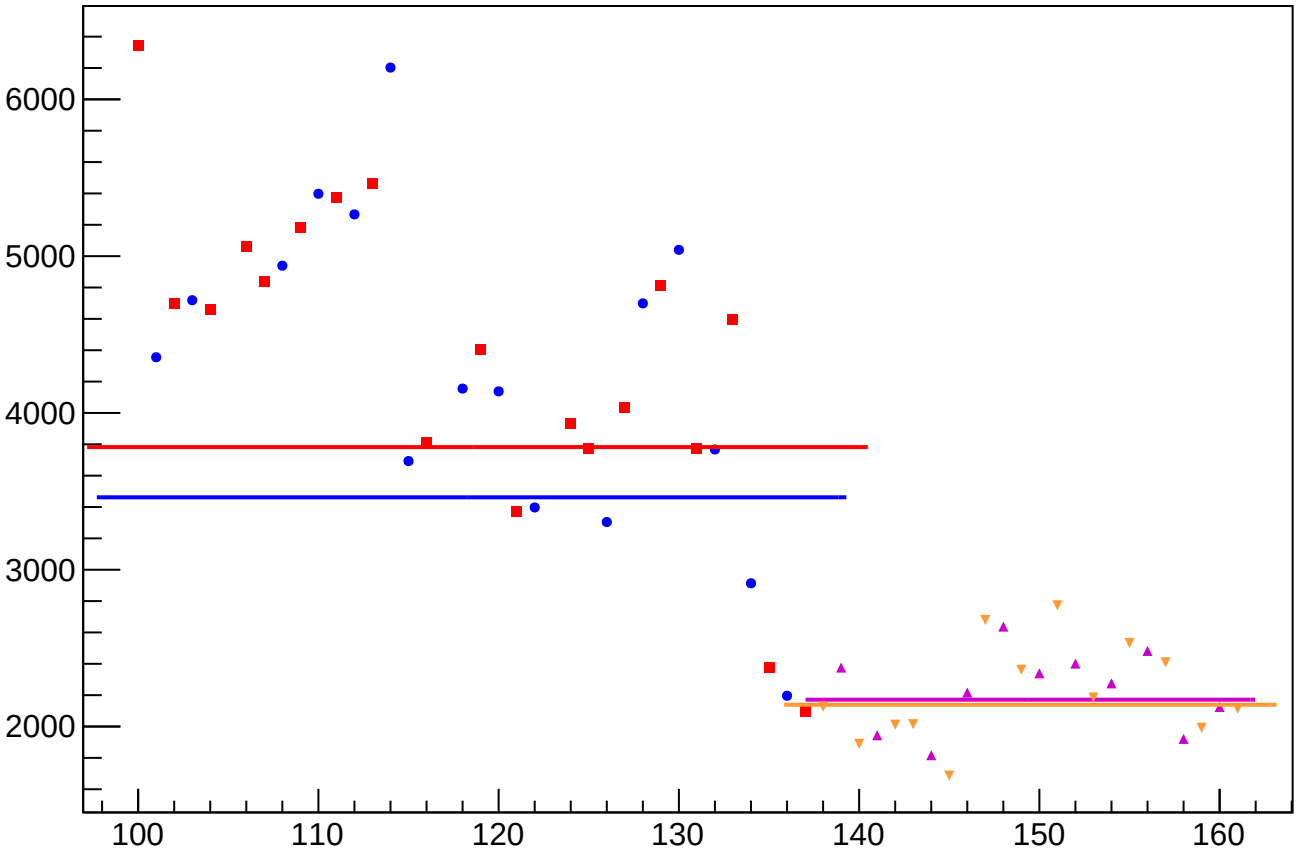
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.944+/-0.050 χ^2/NDF:952404.1/26

Out: 283.675+/-0.048 χ^2/NDF:1133438.5/31

All: 283.319+/-0.035 χ^2/NDF: 2085954.0/58


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1304.668+/-673.240 χ²/NDF:26.3/12
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -314.901+/-708.859 χ²/NDF:14.9/10
Left: -835.276+/-488.159 χ²/NDF: 42.2/23
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -935.396+/-627.984 χ²/NDF:34.5/26
Out: -897.139+/-610.275 χ²/NDF:42.3/31
All: -915.721+/-437.656 χ²/NDF: 76.8/58



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2138.922+/-0.476 χ^2/NDF:392730.0/12

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

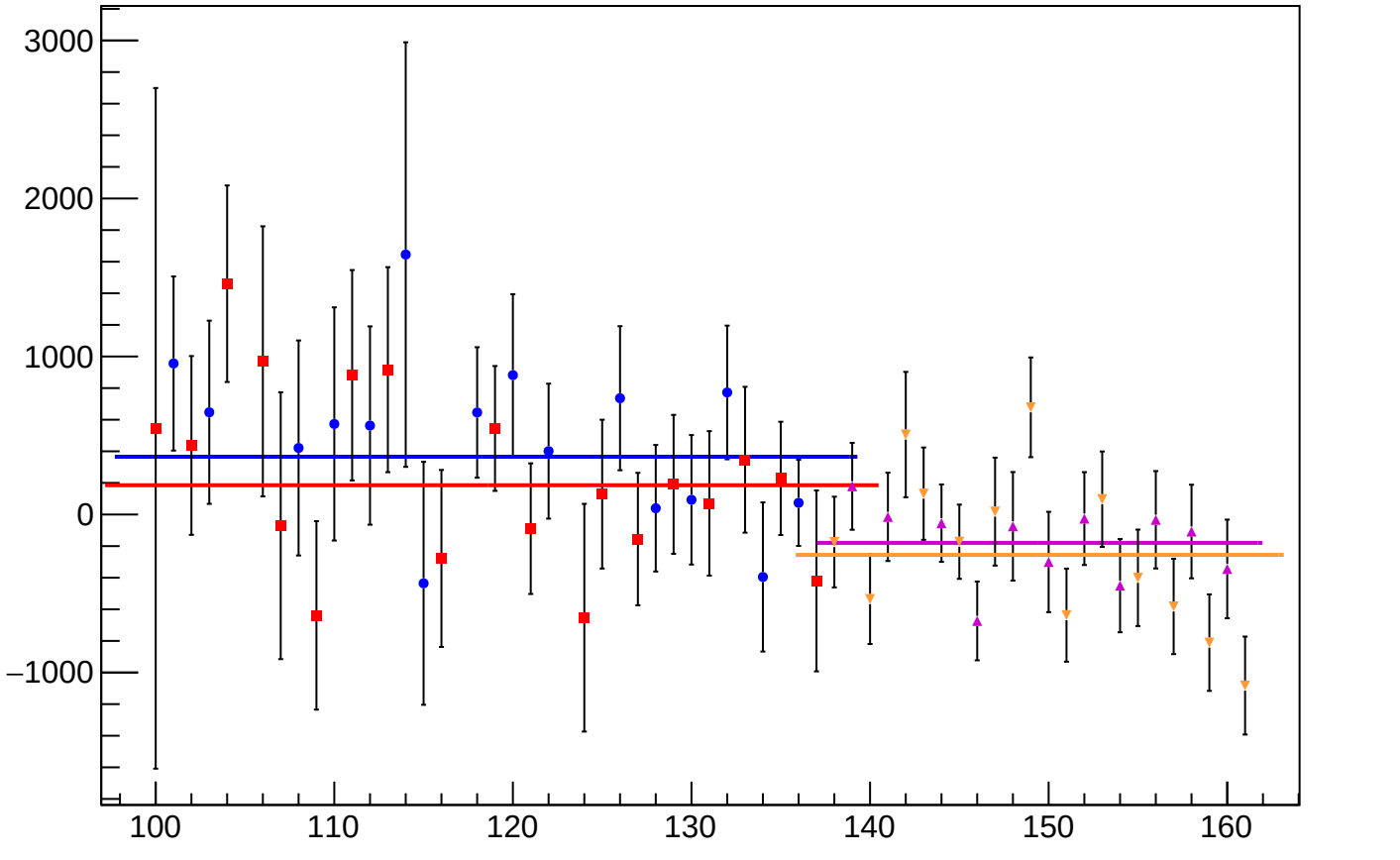
Left: 2154.273+/-0.345 χ^2/NDF: 636907.2/23

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

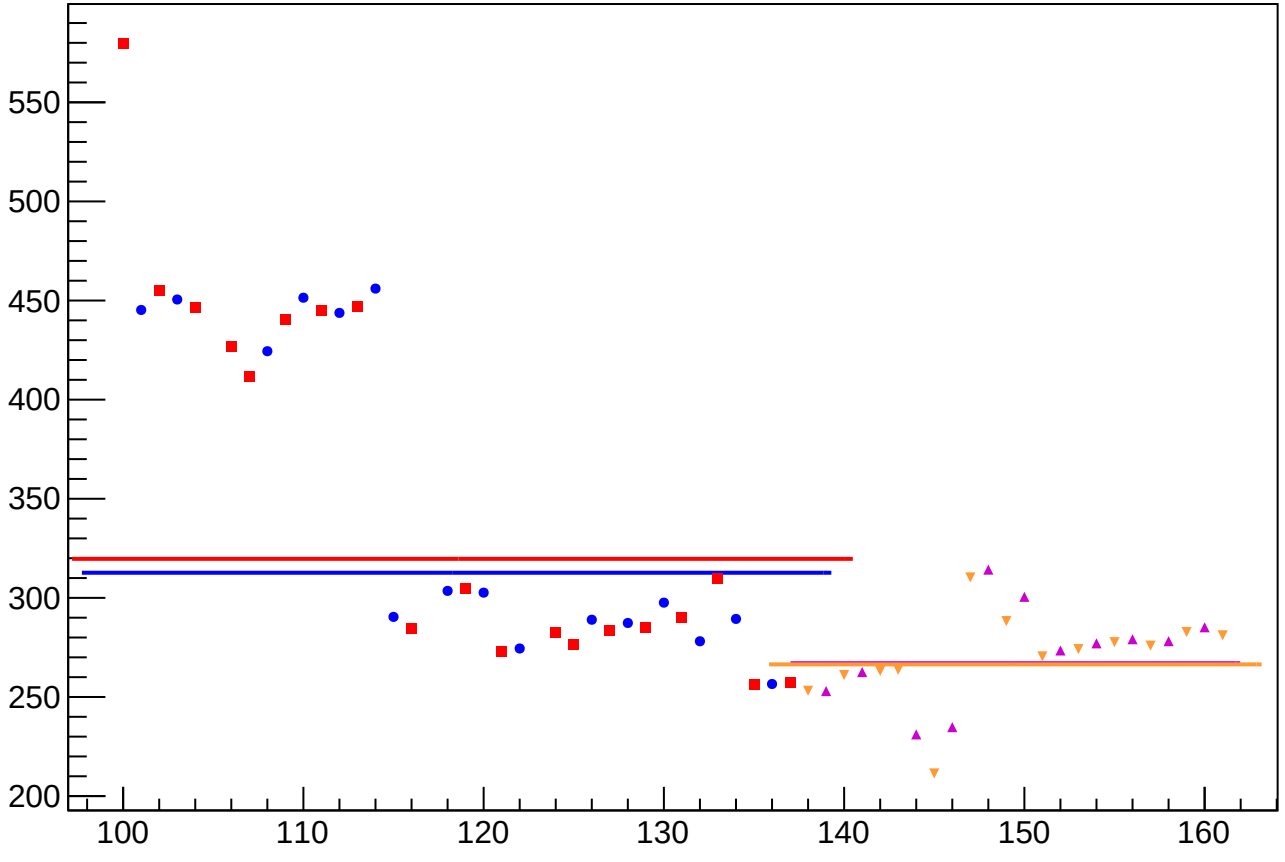
In: 2448.996+/-0.444 χ^2/NDF:2978165.4/26

Out: 2431.918+/-0.432 χ^2/NDF:3653572.0/31

All: 2440.213+/-0.309 χ^2/NDF: 6632498.1/58


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -256.022+/-83.142 χ²/NDF:30.9/12
Right Out: 185.331+/-120.199 χ²/NDF: 14.9/18
Left In: -179.407+/-86.892 χ²/NDF:8.1/10
Left: -219.403+/-60.072 χ²/NDF: 39.4/23
Right: 276.426+/-84.521 χ²/NDF: 27.6/34
In: 10.359+/-70.149 χ²/NDF:33.3/26
Out: -113.193+/-68.378 χ²/NDF:54.9/31
All: -52.997+/-48.965 χ²/NDF: 89.9/58

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

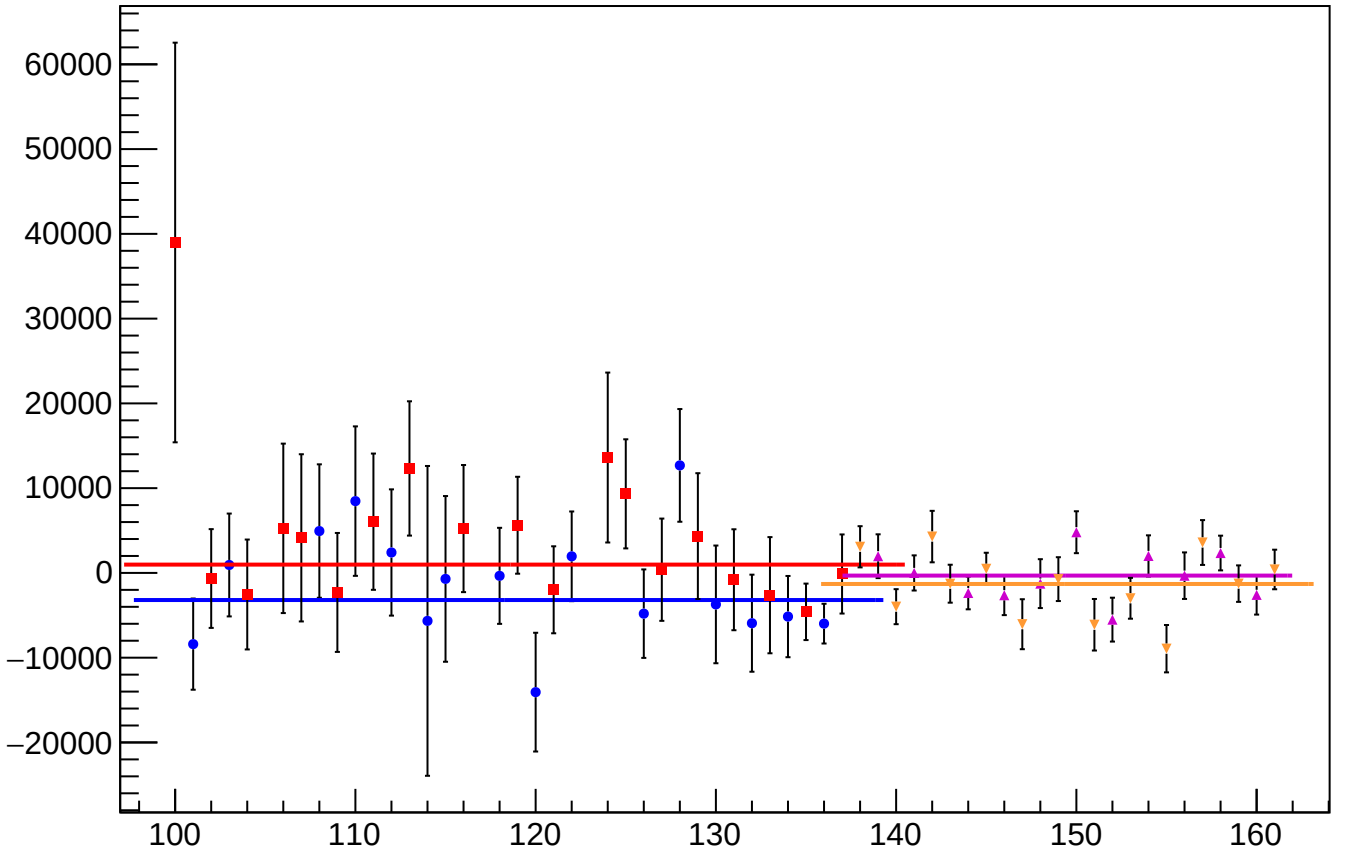
Left: 266.735+/-0.042 χ^2/NDF: 332426.3/23

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.944+/-0.050 χ^2/NDF:952404.1/26

Out: 283.675+/-0.048 χ^2/NDF:1133438.5/31

All: 283.319+/-0.035 χ^2/NDF: 2085954.0/58



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1304.668+/-673.240 χ^2/NDF:26.3/12

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -314.901+/-708.859 χ^2/NDF:14.9/10

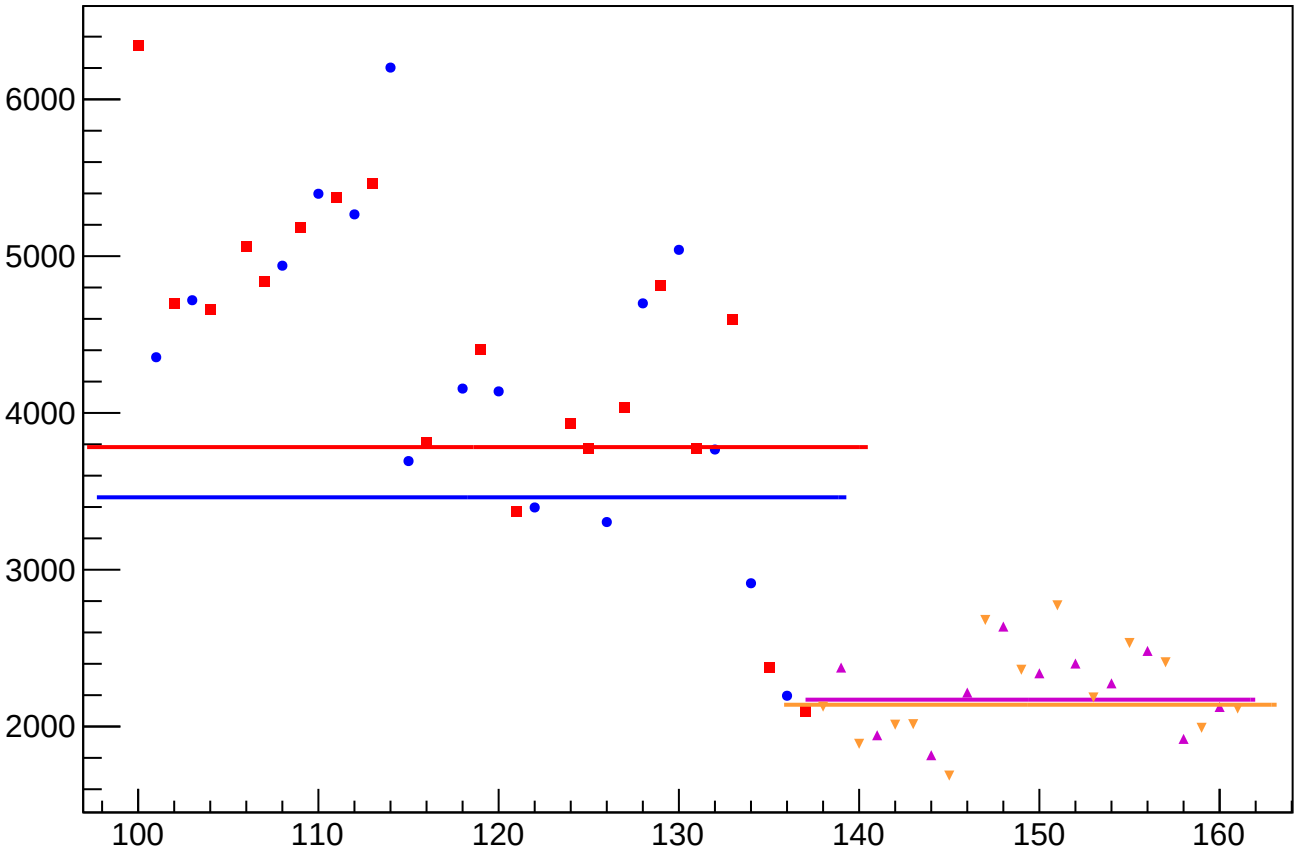
Left: -835.276+/-488.159 χ^2/NDF: 42.2/23

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -935.396+/-627.984 χ^2/NDF:34.5/26

Out: -897.139+/-610.275 χ^2/NDF:42.3/31

All: -915.721+/-437.656 χ^2/NDF: 76.8/58



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2138.922+/-0.476 χ^2/NDF:392730.0/12

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

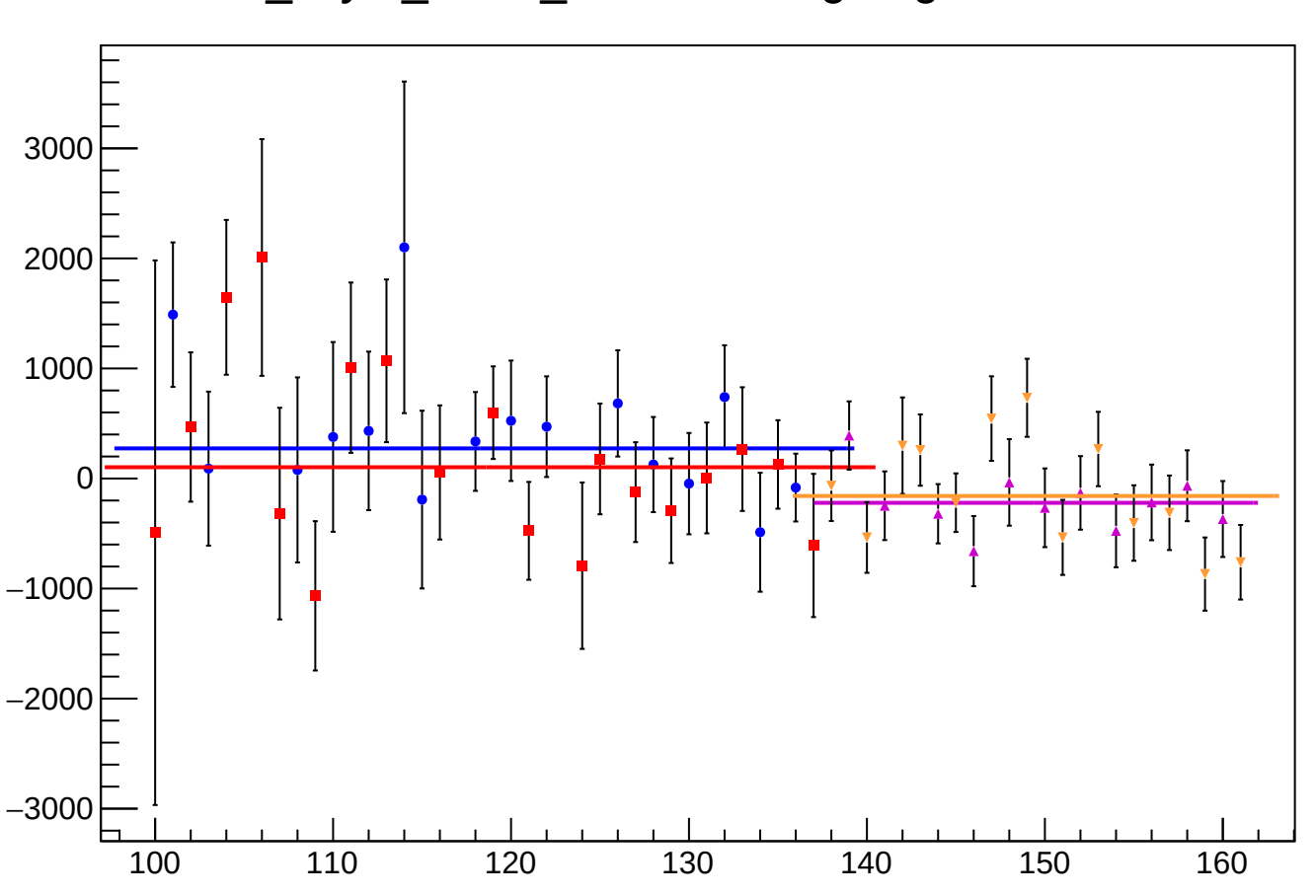
Left: 2154.273+/-0.345 χ^2/NDF: 636907.2/23

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2448.996+/-0.444 χ^2/NDF:2978165.4/26

Out: 2431.918+/-0.432 χ^2/NDF:3653572.0/31

All: 2440.213+/-0.309 χ^2/NDF: 6632498.1/58



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -158.691+/-93.124 χ^2/NDF:25.2/12

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -220.870+/-98.448 χ^2/NDF:7.2/10

Left: -188.054+/-67.653 χ^2/NDF: 32.6/23

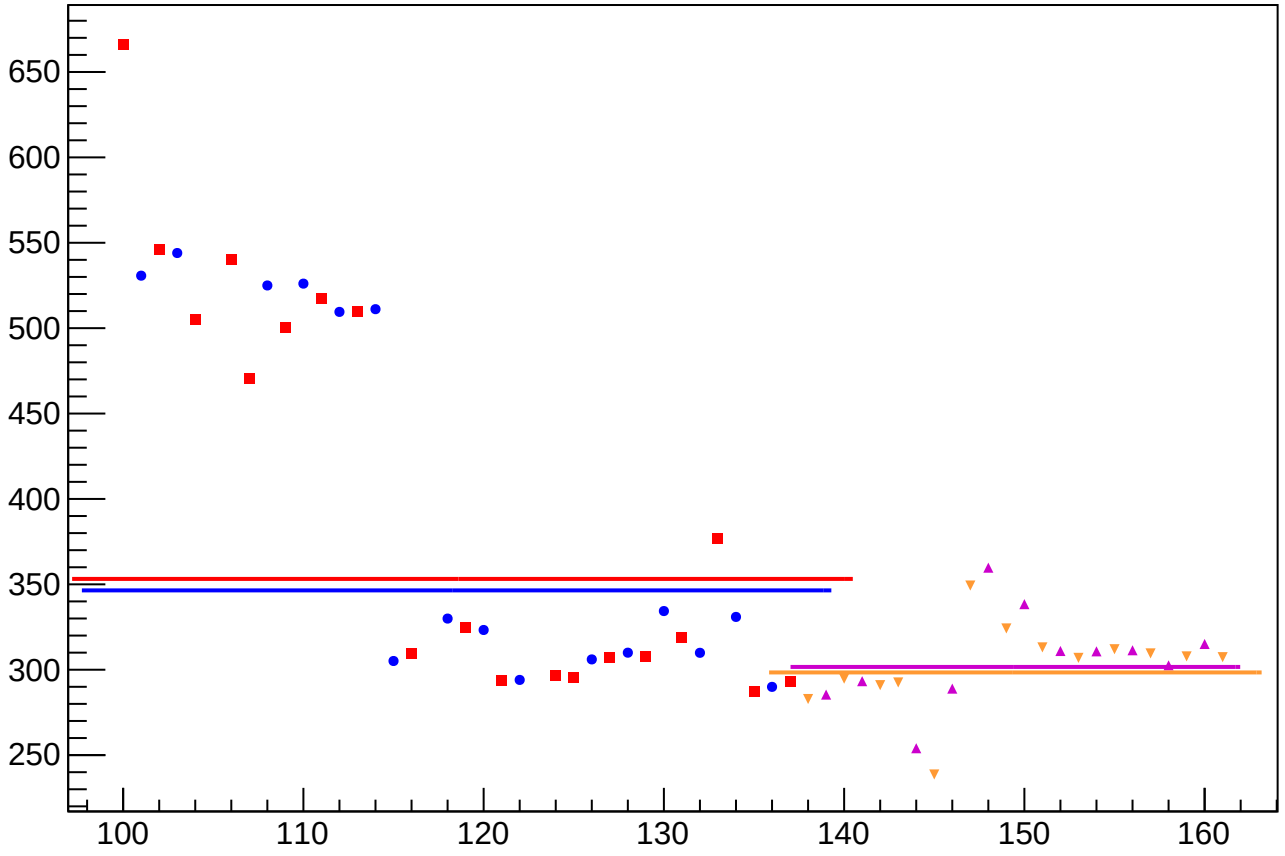
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -45.061+/-79.031 χ^2/NDF:27.7/26

Out: -73.332+/-76.398 χ^2/NDF:49.0/31

All: -59.675+/-54.929 χ^2/NDF: 76.8/58

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 298.414+/-0.066 χ^2/NDF:165839.4/12

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 301.637+/-0.070 χ^2/NDF:145166.5/10

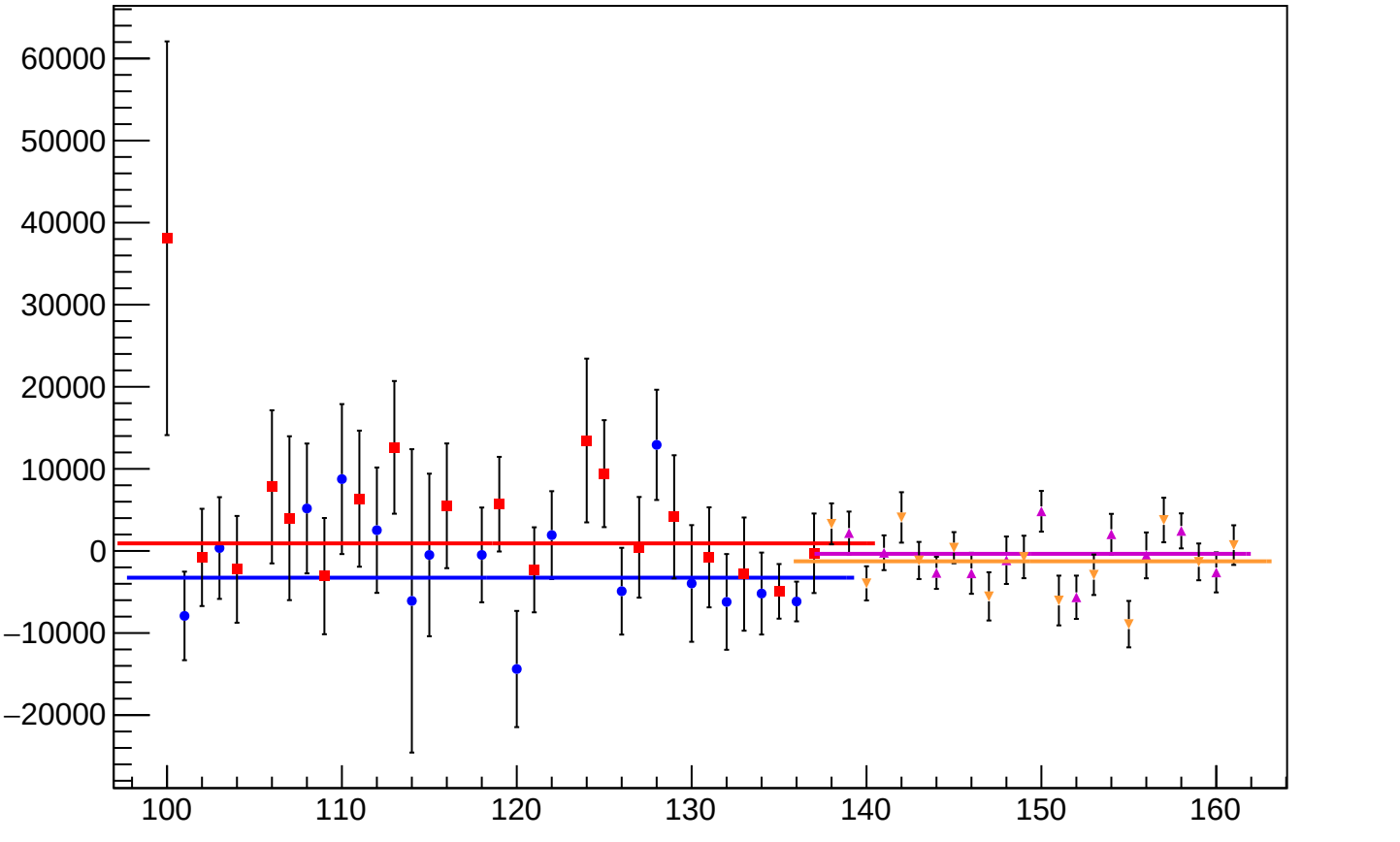
Left: 299.936+/-0.048 χ^2/NDF: 312137.7/23

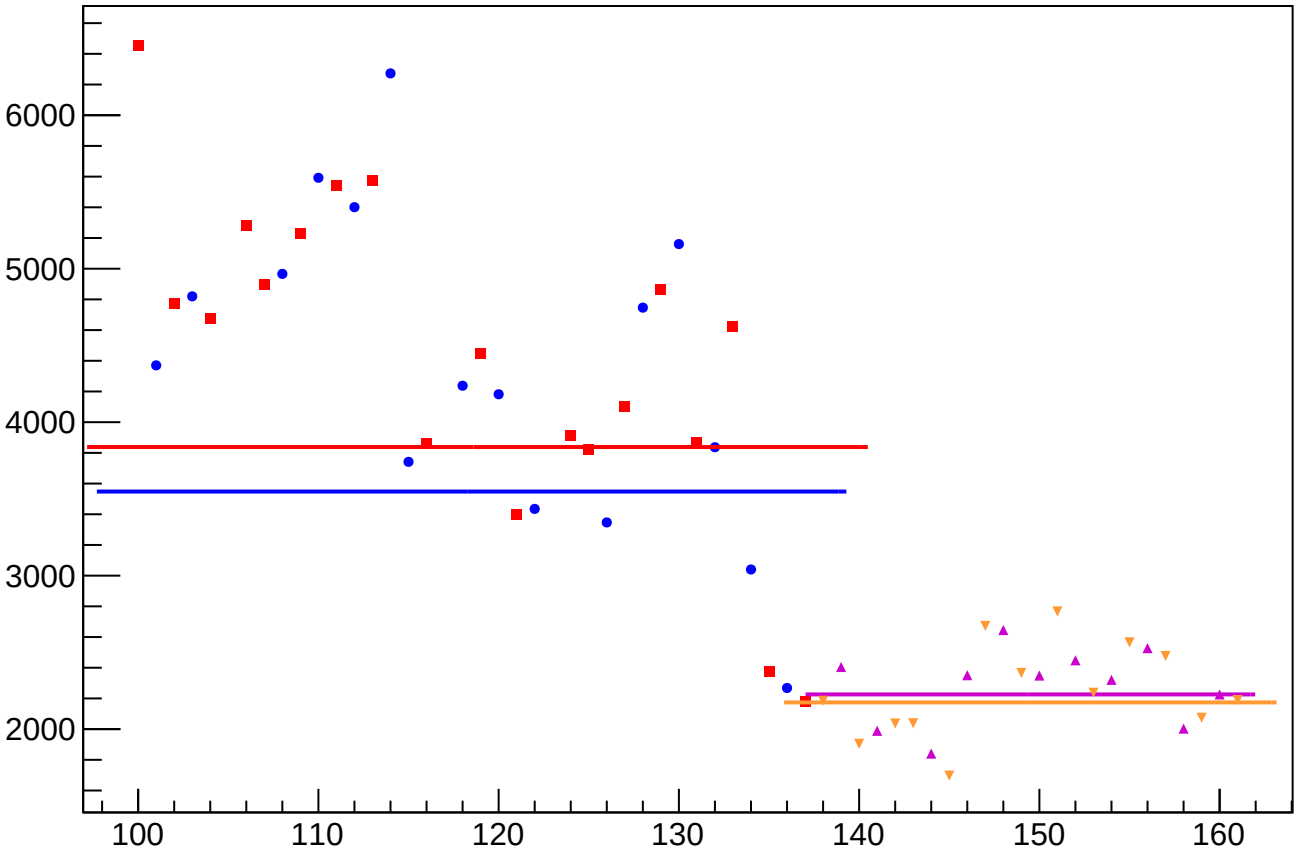
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.573+/-0.056 χ^2/NDF:1061305.9/26

Out: 316.320+/-0.054 χ^2/NDF:1258356.6/31

All: 316.925+/-0.039 χ^2/NDF: 2319922.4/58


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1260.571+/-683.653 χ²/NDF:25.3/12
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: -351.156+/-726.460 χ²/NDF:15.2/10
Left: -833.445+/-497.861 χ²/NDF: 41.4/23
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -979.131+/-643.247 χ²/NDF:34.7/26
Out: -868.538+/-619.193 χ²/NDF:41.8/31
All: -921.728+/-446.097 χ²/NDF: 76.5/58



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2173.979+/-0.483 χ^2/NDF:384257.9/12

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2226.146+/-0.514 χ^2/NDF:226439.3/10

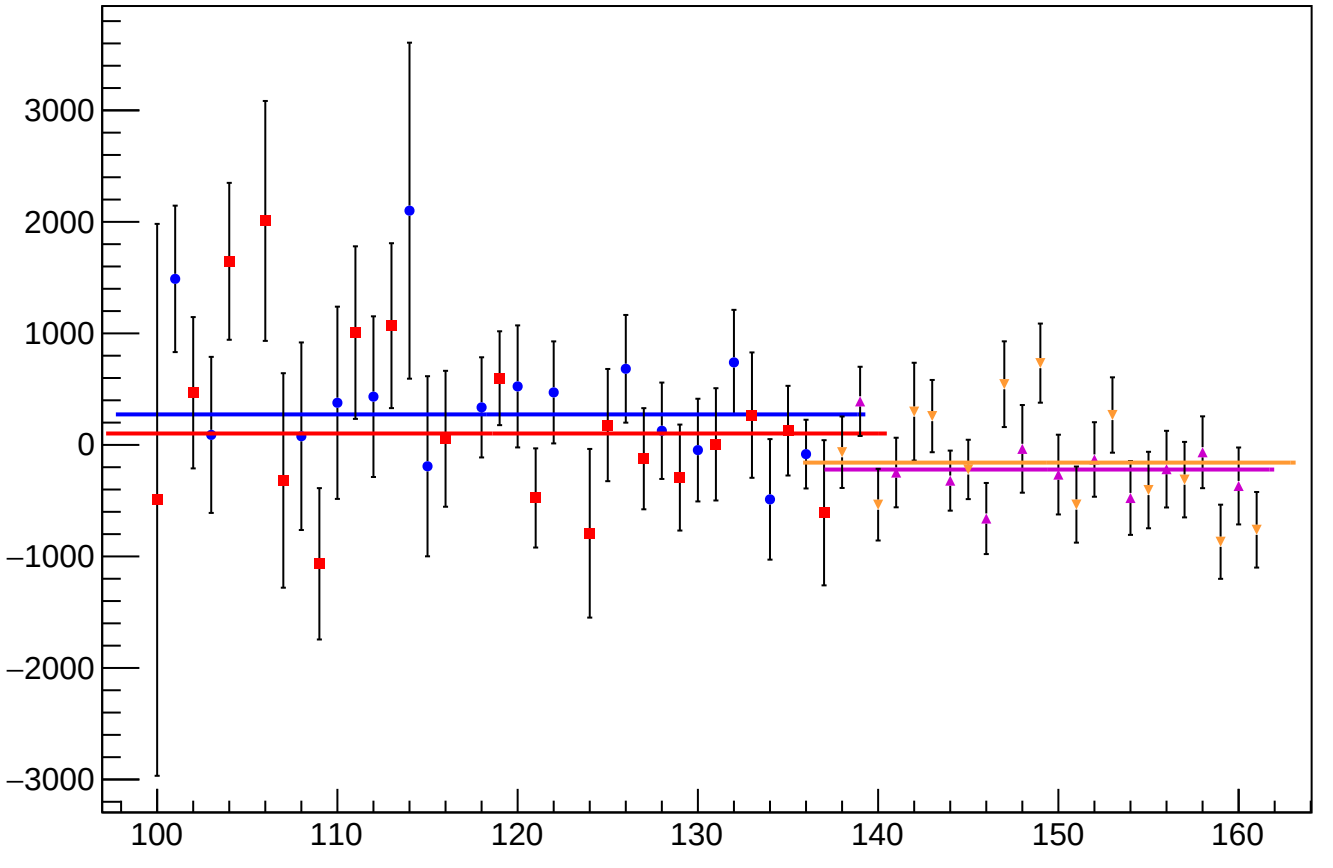
Left: 2198.480+/-0.352 χ^2/NDF: 616166.7/23

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2511.621+/-0.455 χ^2/NDF:2914969.9/26

Out: 2472.974+/-0.438 χ^2/NDF:3669080.6/31

All: 2491.562+/-0.315 χ^2/NDF: 6587797.8/58



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -158.692+/-93.124 χ^2/NDF:25.2/12

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -220.873+/-98.448 χ^2/NDF:7.2/10

Left: -188.056+/-67.653 χ^2/NDF: 32.6/23

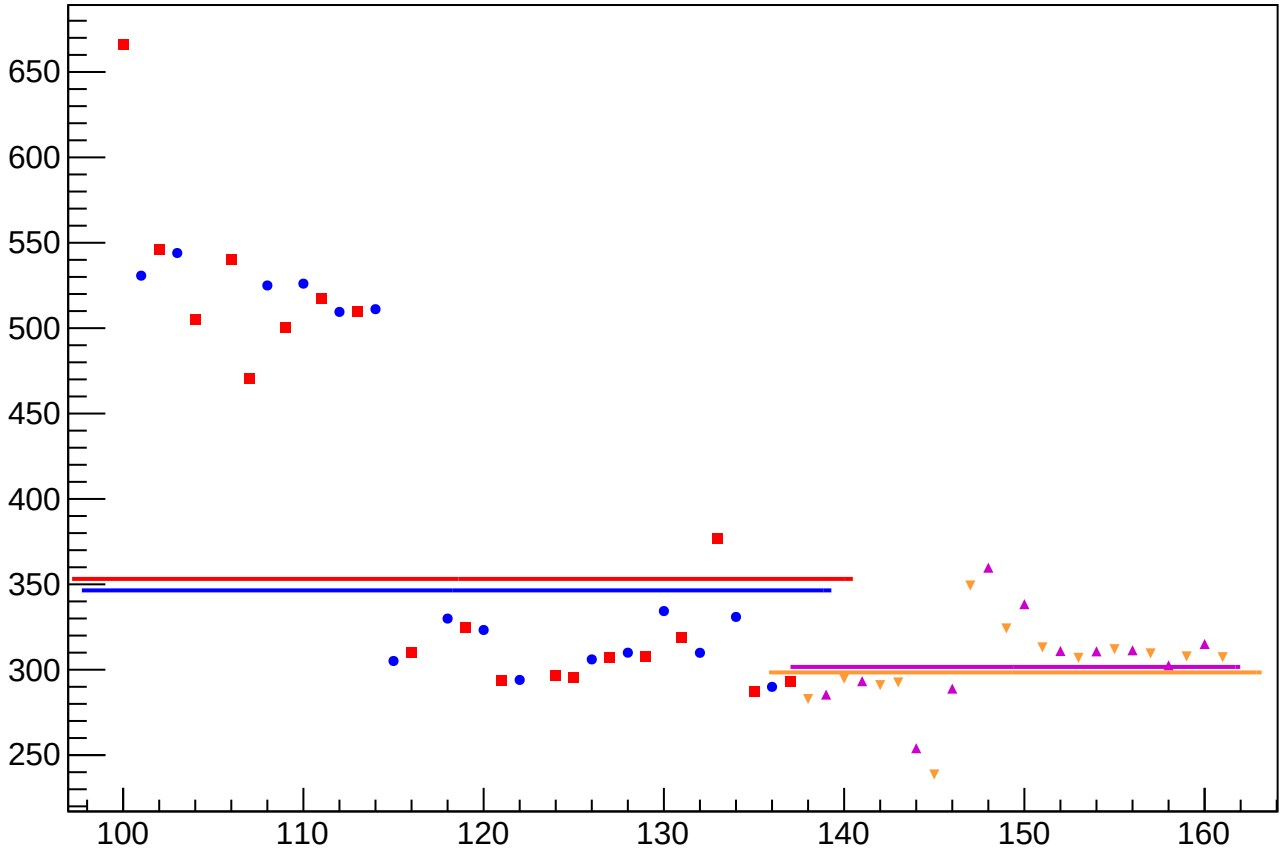
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -45.060+/-79.031 χ^2/NDF:27.7/26

Out: -73.333+/-76.398 χ^2/NDF:49.0/31

All: -59.676+/-54.929 χ^2/NDF: 76.8/58

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 298.414+/-0.066 χ^2/NDF:165842.4/12

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 301.637+/-0.070 χ^2/NDF:145168.0/10

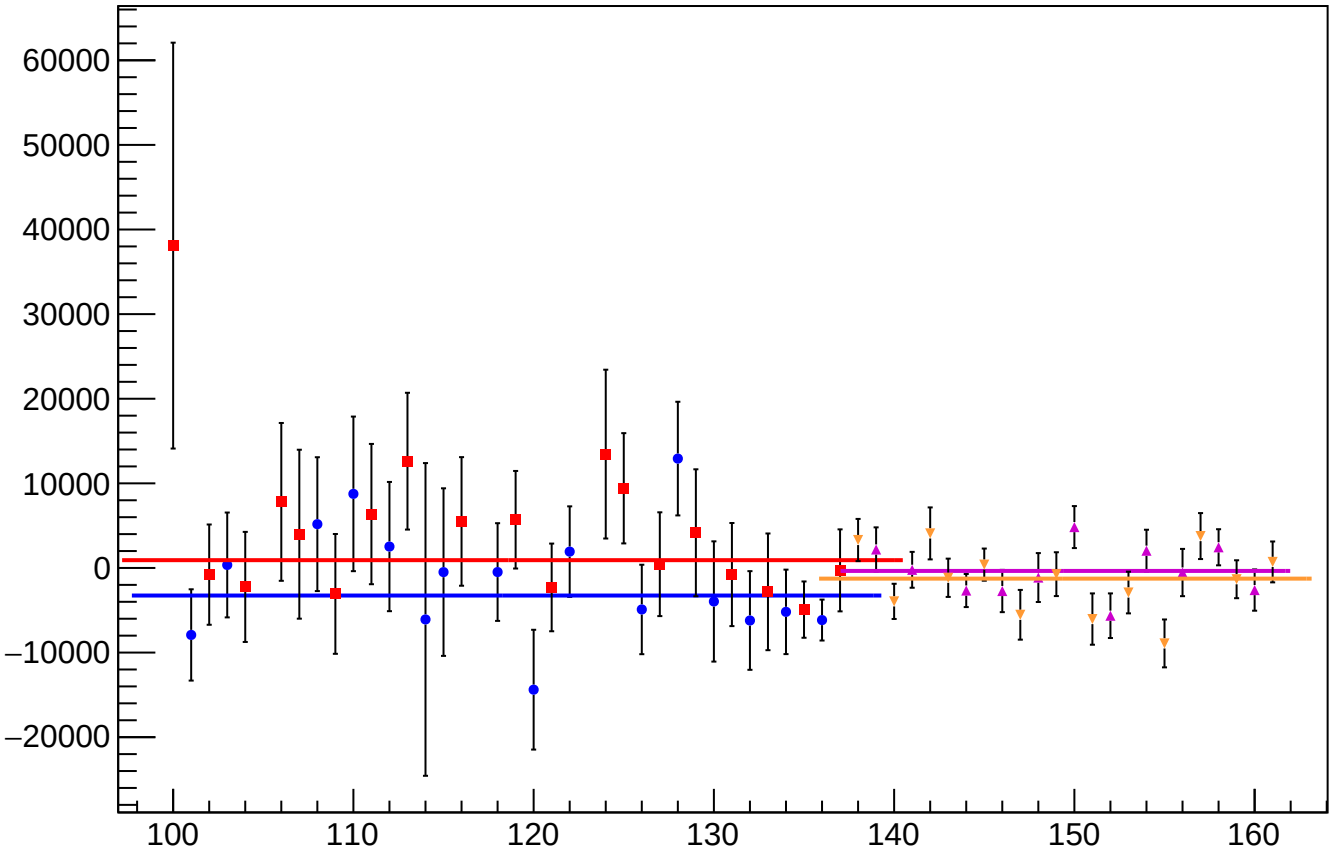
Left: 299.936+/-0.048 χ^2/NDF: 312142.0/23

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.572+/-0.056 χ^2/NDF:1061286.9/26

Out: 316.320+/-0.054 χ^2/NDF:1258338.8/31

All: 316.925+/-0.039 χ^2/NDF: 2319885.6/58



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1260.568+/-683.653 χ^2/NDF:25.3/12

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -351.156+/-726.459 χ^2/NDF:15.2/10

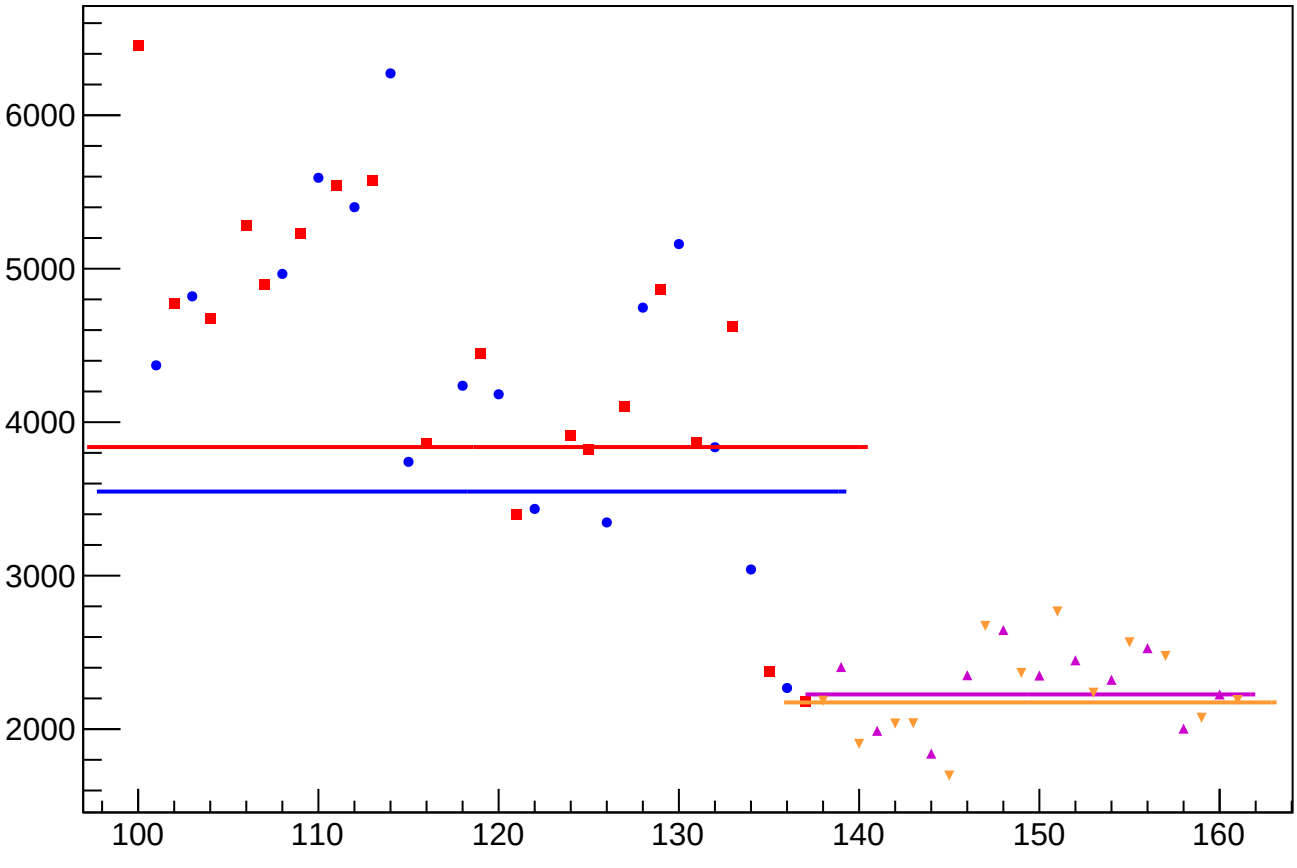
Left: -833.443+/-497.861 χ^2/NDF: 41.4/23

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -979.130+/-643.246 χ^2/NDF:34.7/26

Out: -868.534+/-619.193 χ^2/NDF:41.8/31

All: -921.726+/-446.097 χ^2/NDF: 76.5/58



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2173.977+/-0.483 χ^2/NDF:384264.5/12

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2226.145+/-0.514 χ^2/NDF:226440.8/10

Left: 2198.479+/-0.352 χ^2/NDF: 616175.0/23

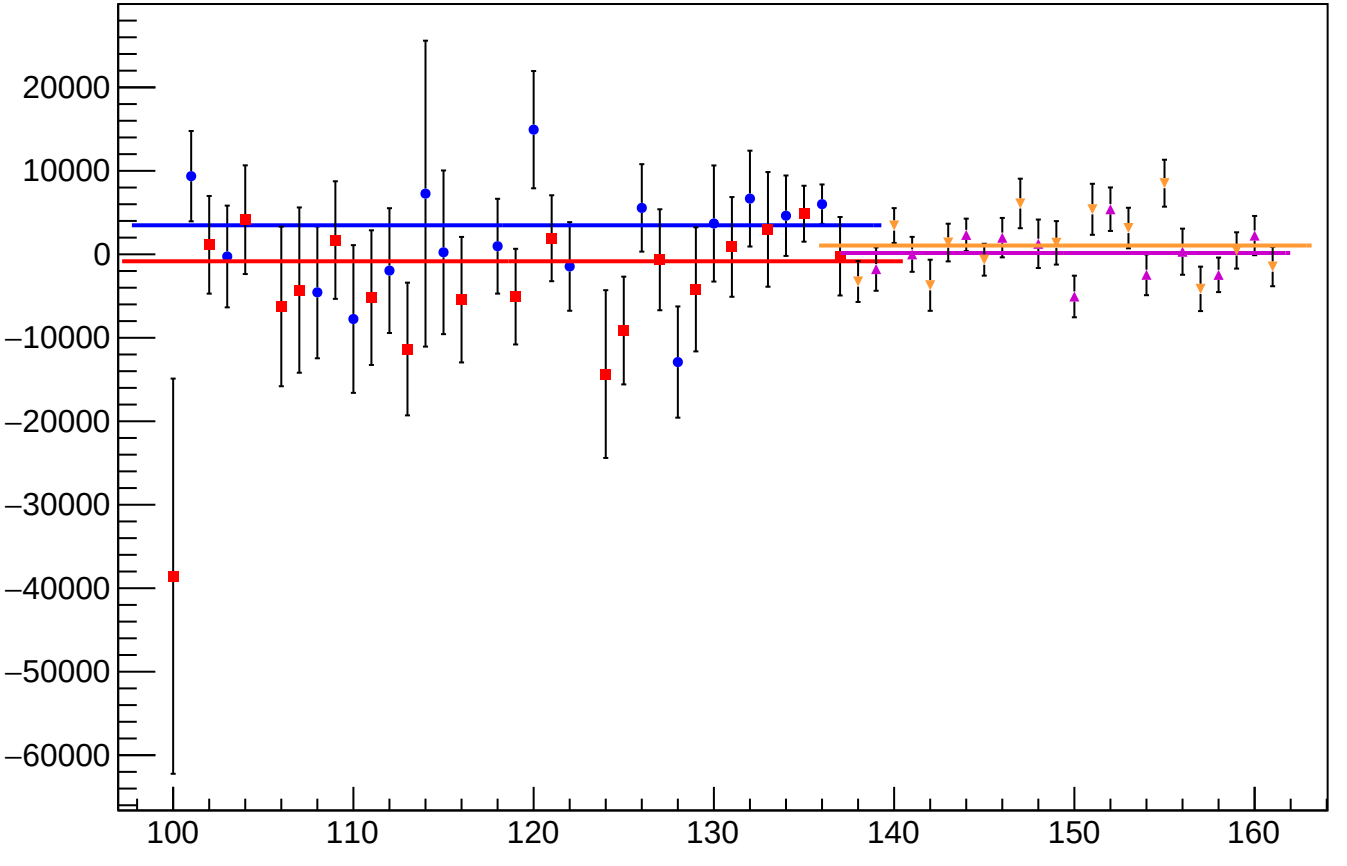
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2511.621+/-0.455 χ^2/NDF:2914955.1/26

Out: 2472.973+/-0.438 χ^2/NDF:3669074.9/31

All: 2491.561+/-0.315 χ^2/NDF: 6587777.3/58

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1053.350+/-678.638 χ^2/NDF:25.4/12

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 158.039+/-714.456 χ^2/NDF:14.5/10

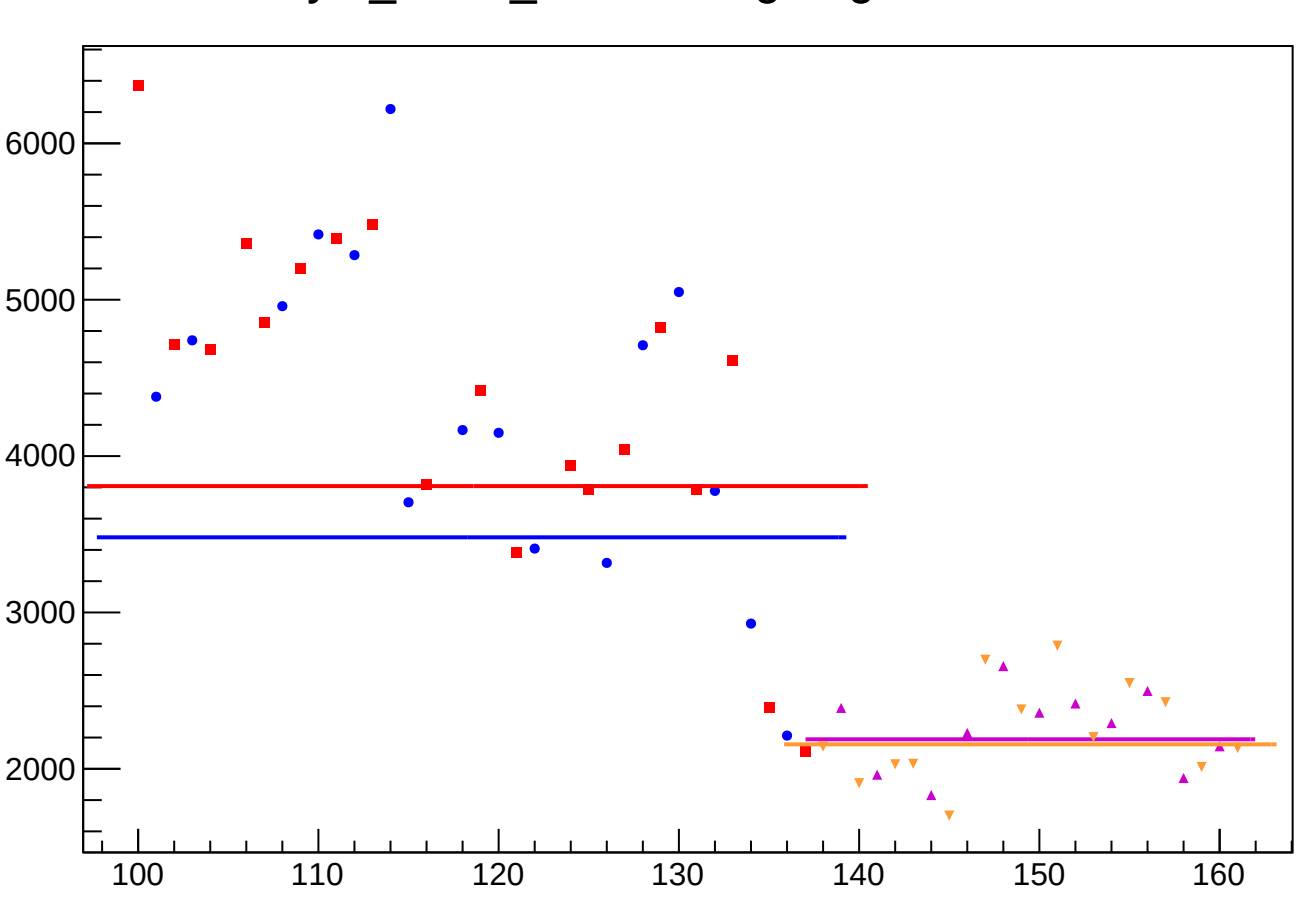
Left: 628.699+/-492.045 χ^2/NDF: 40.7/23

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 875.889+/-632.526 χ^2/NDF:35.5/26

Out: 714.336+/-614.623 χ^2/NDF:40.8/31

All: 792.794+/-440.798 χ^2/NDF: 76.3/58



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2156.545+/-0.480 χ^2/NDF:387354.9/12

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2188.777+/-0.505 χ^2/NDF:237867.6/10

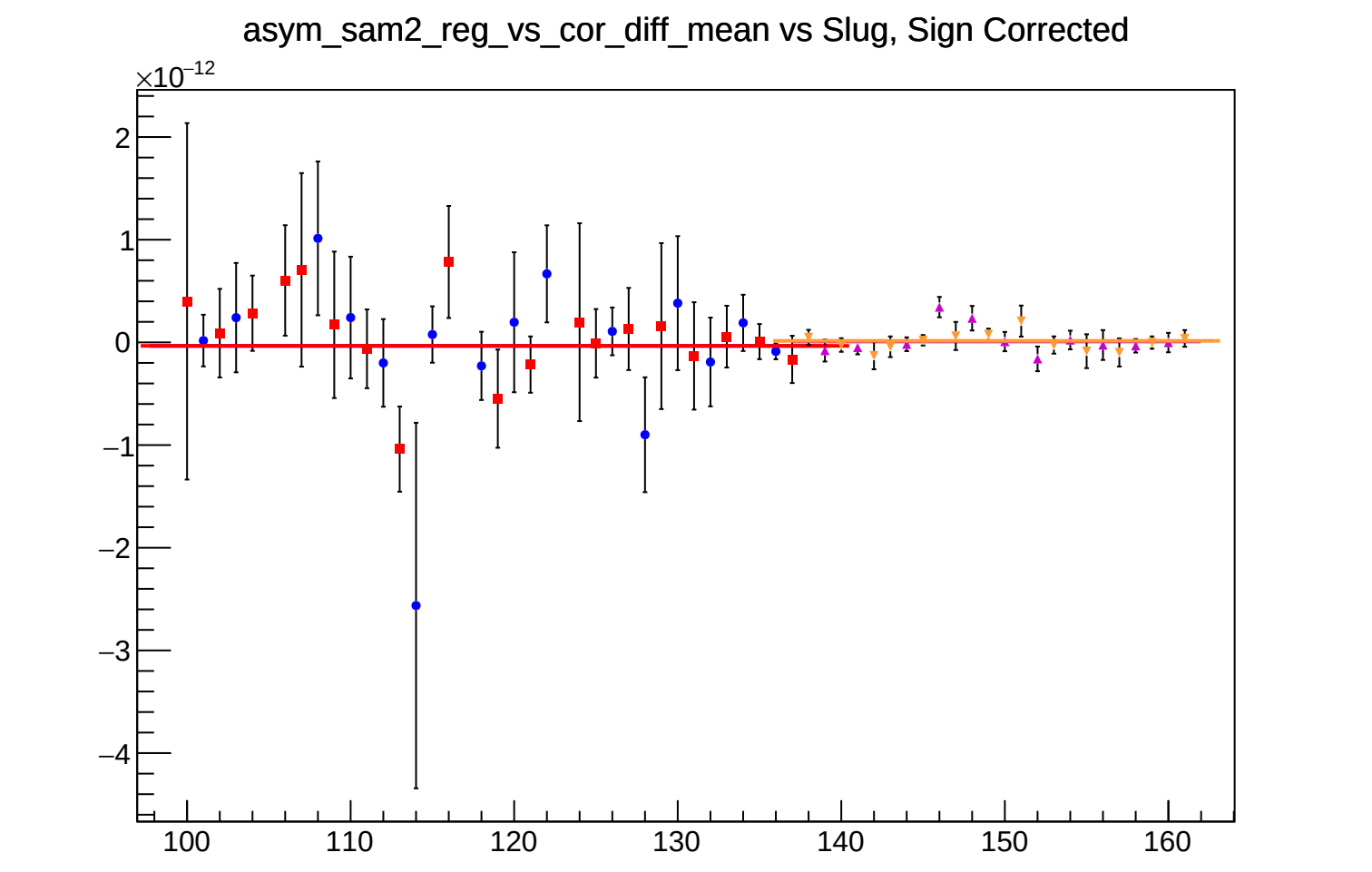
Left: 2171.833+/-0.348 χ^2/NDF: 627362.4/23

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2468.058+/-0.447 χ^2/NDF:2948054.8/26

Out: 2453.437+/-0.435 χ^2/NDF:3664326.8/31

All: 2460.538+/-0.312 χ^2/NDF: 6612931.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/10

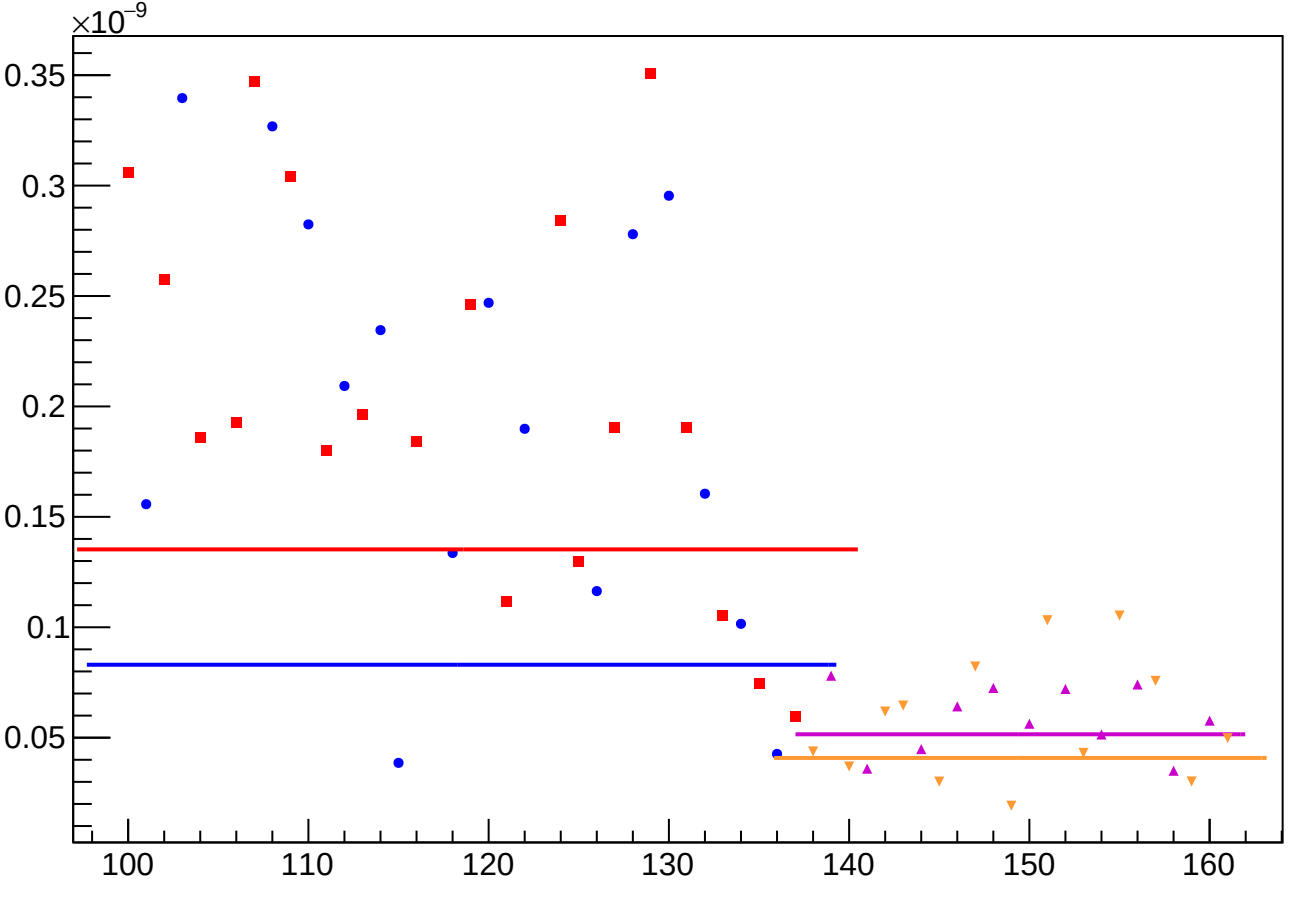
Left: 0.000+/-0.000 χ^2/NDF: 25.7/23

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: 0.000+/-0.000 χ^2/NDF:20.4/31

All: 0.000+/-0.000 χ^2/NDF: 51.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1608434.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:590937.7/10

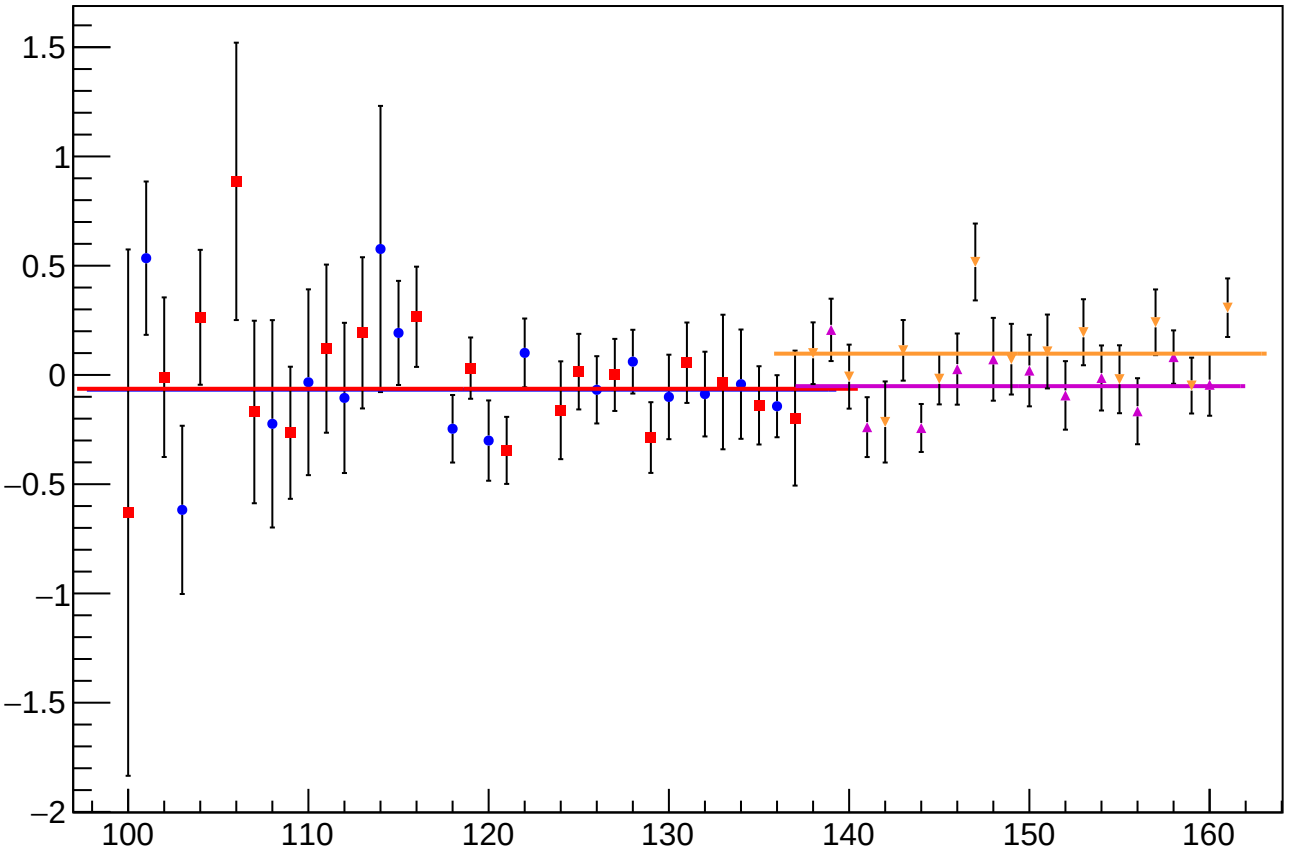
Left: 0.000+/-0.000 χ^2/NDF: 2389278.0/23

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3745370.9/26

Out: 0.000+/-0.000 χ^2/NDF:5329029.1/31

All: 0.000+/-0.000 χ^2/NDF: 9255455.3/58



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.051+/-0.043 χ^2/NDF:10.9/10

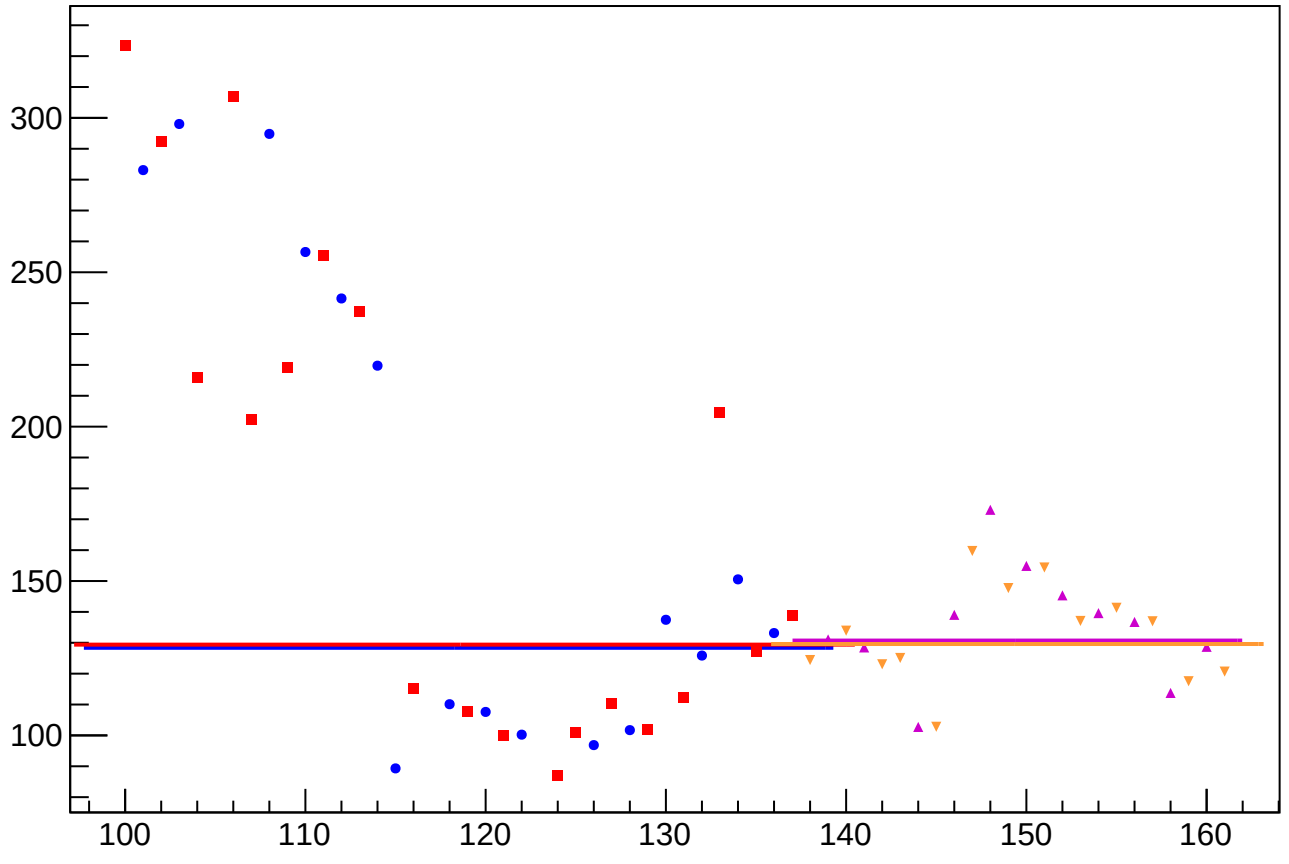
Left: 0.028+/-0.030 χ^2/NDF: 32.9/23

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.036+/-0.032 χ^2/NDF:35.7/31

All: -0.009+/-0.023 χ^2/NDF: 63.3/58



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.601+/-0.029 χ^2/NDF:288232.8/12

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

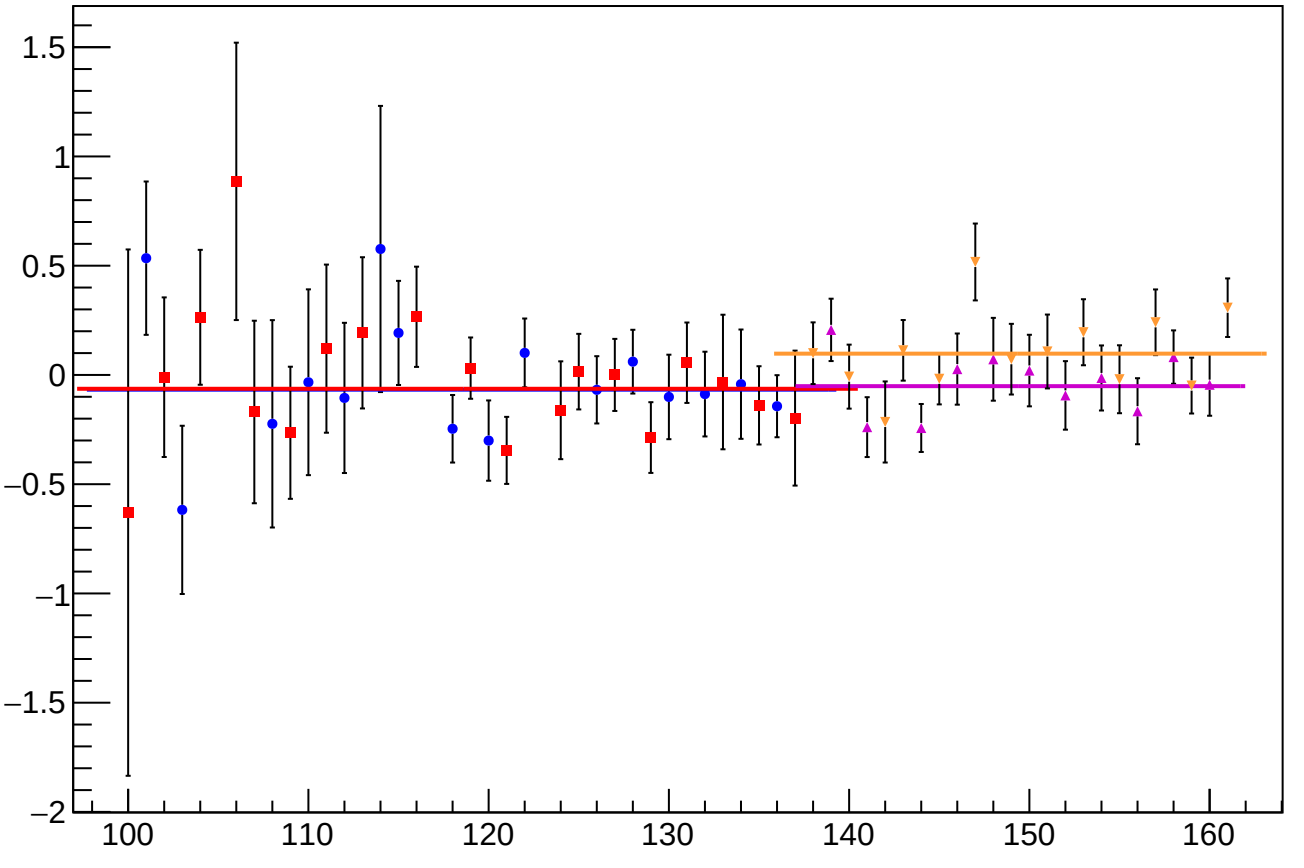
Left: 130.125+/-0.021 χ^2/NDF: 634697.7/23

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.755+/-0.023 χ^2/NDF:2153237.9/26

Out: 129.524+/-0.023 χ^2/NDF:2176523.3/31

All: 129.635+/-0.016 χ^2/NDF: 4329811.7/58



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.051+/-0.043 χ^2/NDF:10.9/10

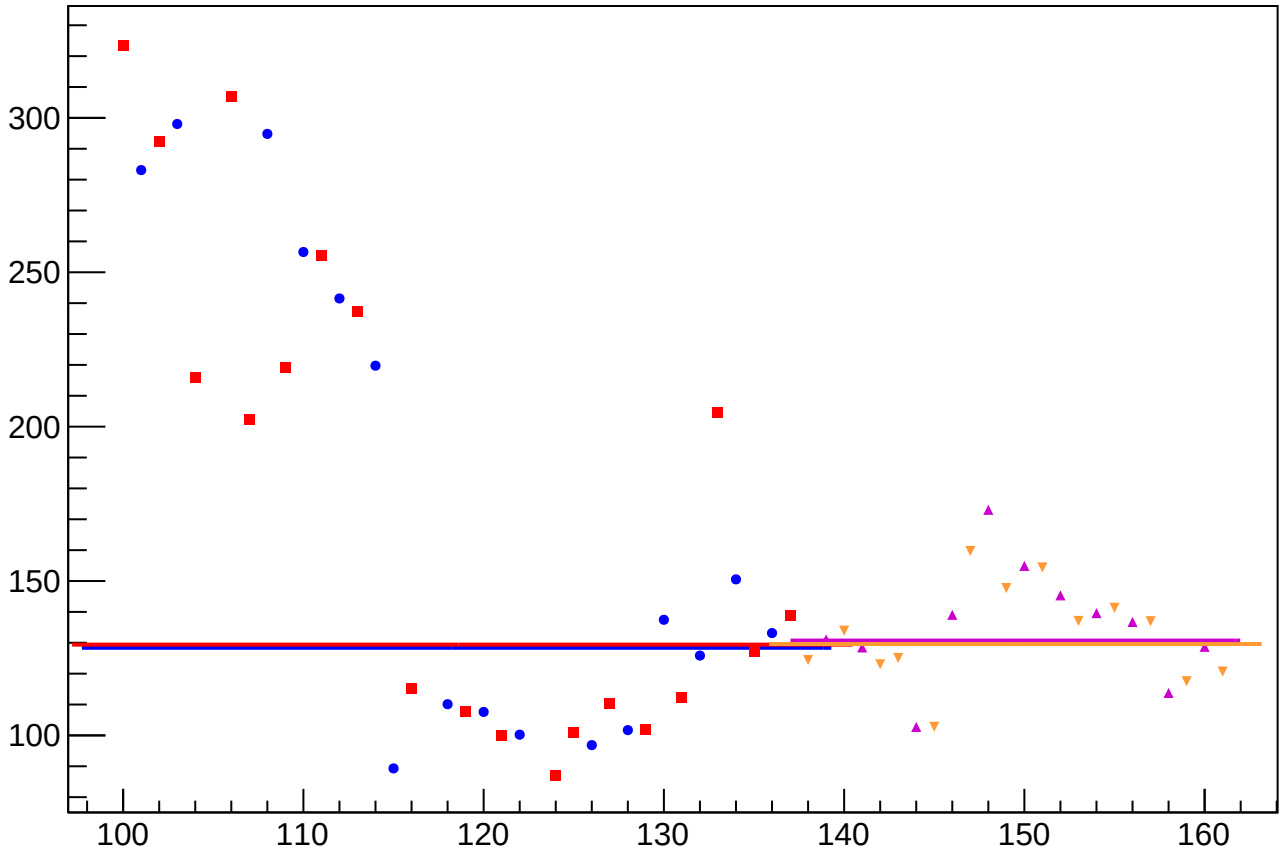
Left: 0.028+/-0.030 χ^2/NDF: 32.9/23

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.036+/-0.032 χ^2/NDF:35.7/31

All: -0.009+/-0.023 χ^2/NDF: 63.3/58



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.601+/-0.029 χ^2/NDF:288232.8/12

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

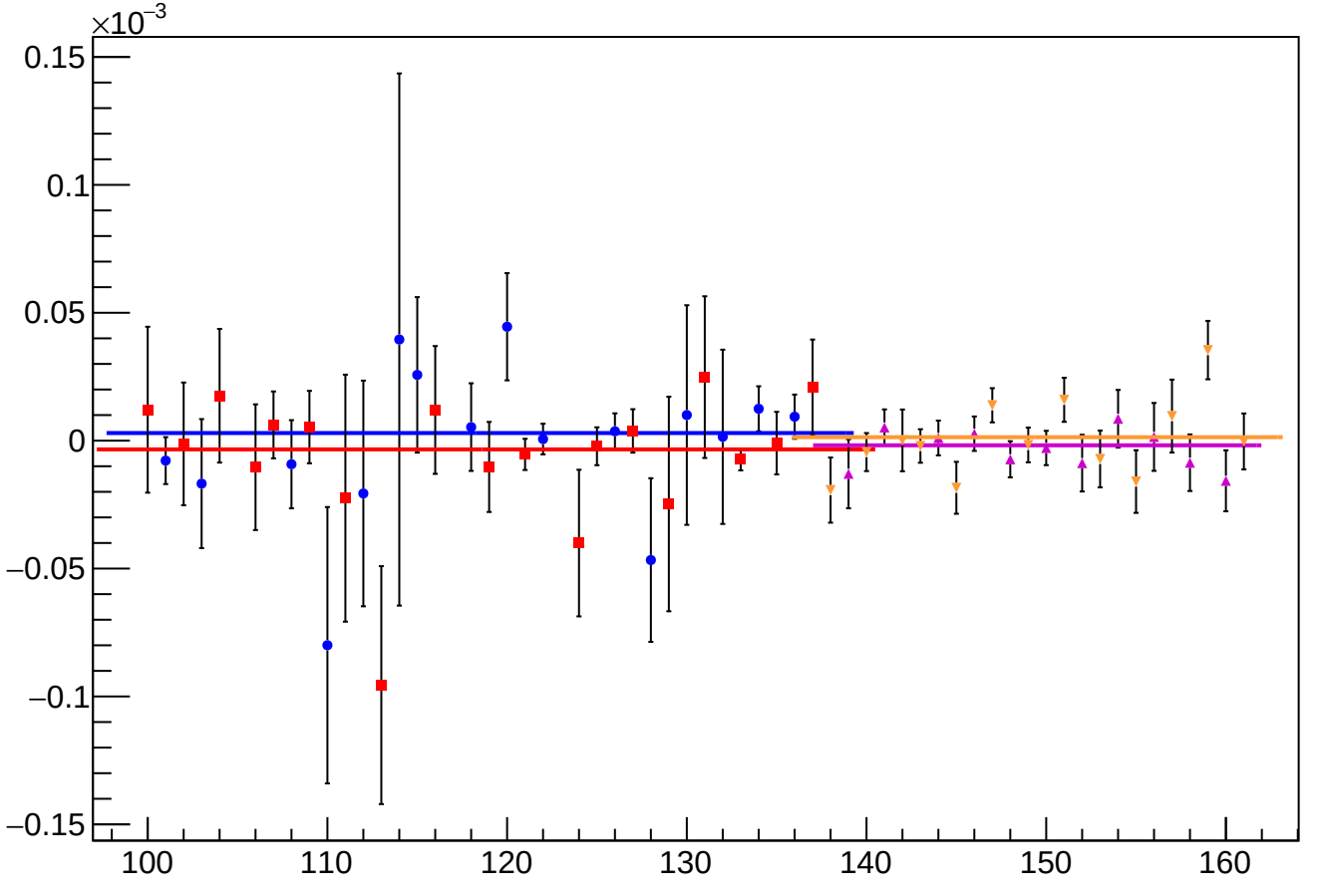
Left: 130.125+/-0.021 χ^2/NDF: 634697.7/23

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.755+/-0.023 χ^2/NDF:2153237.9/26

Out: 129.524+/-0.023 χ^2/NDF:2176523.3/31

All: 129.635+/-0.016 χ^2/NDF: 4329811.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/12

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

Left In: -0.000+/-0.000 χ^2/NDF:6.0/10

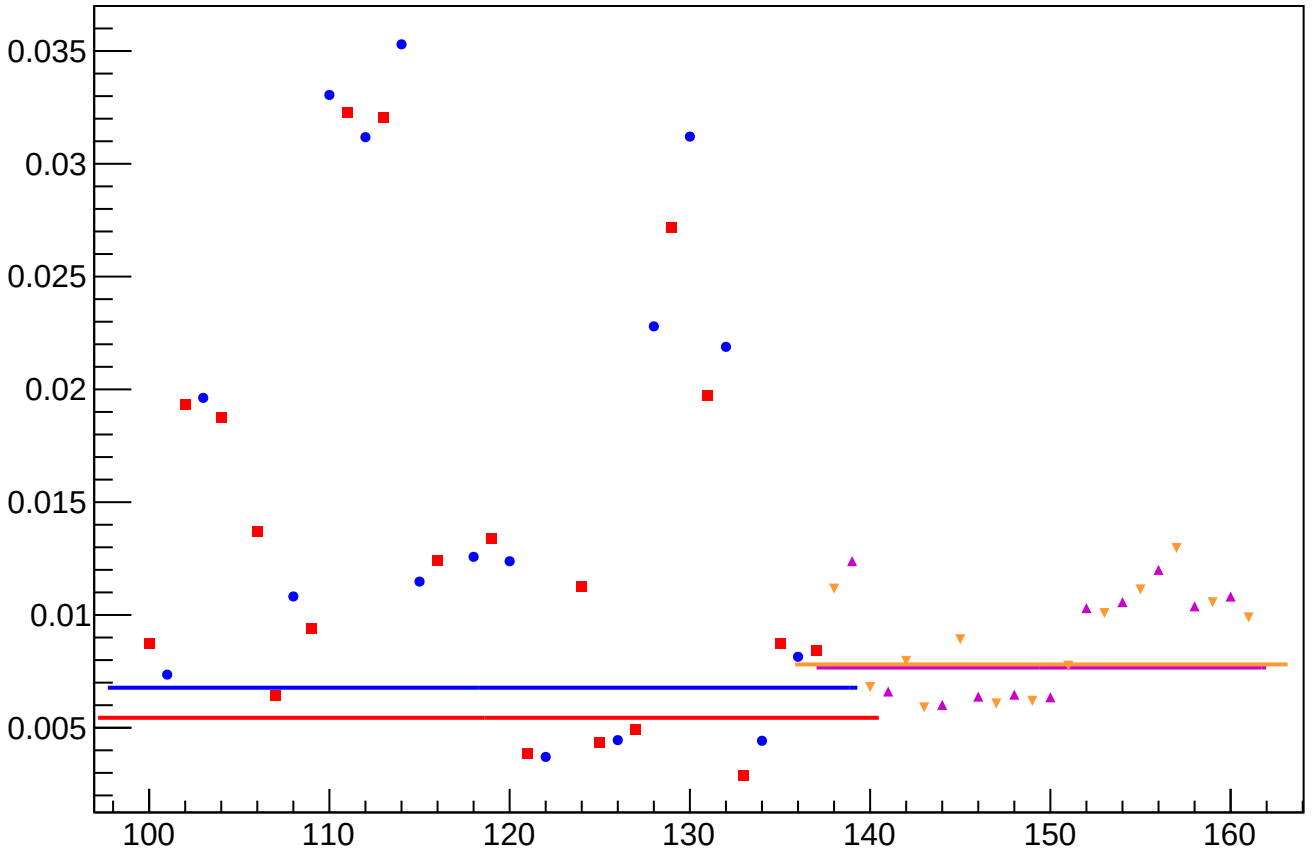
Left: -0.000+/-0.000 χ^2/NDF: 32.5/23

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:21.4/26

Out: -0.000+/-0.000 χ^2/NDF:40.1/31

All: -0.000+/-0.000 χ^2/NDF: 61.7/58



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1298686.0/12

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1335638.8/10

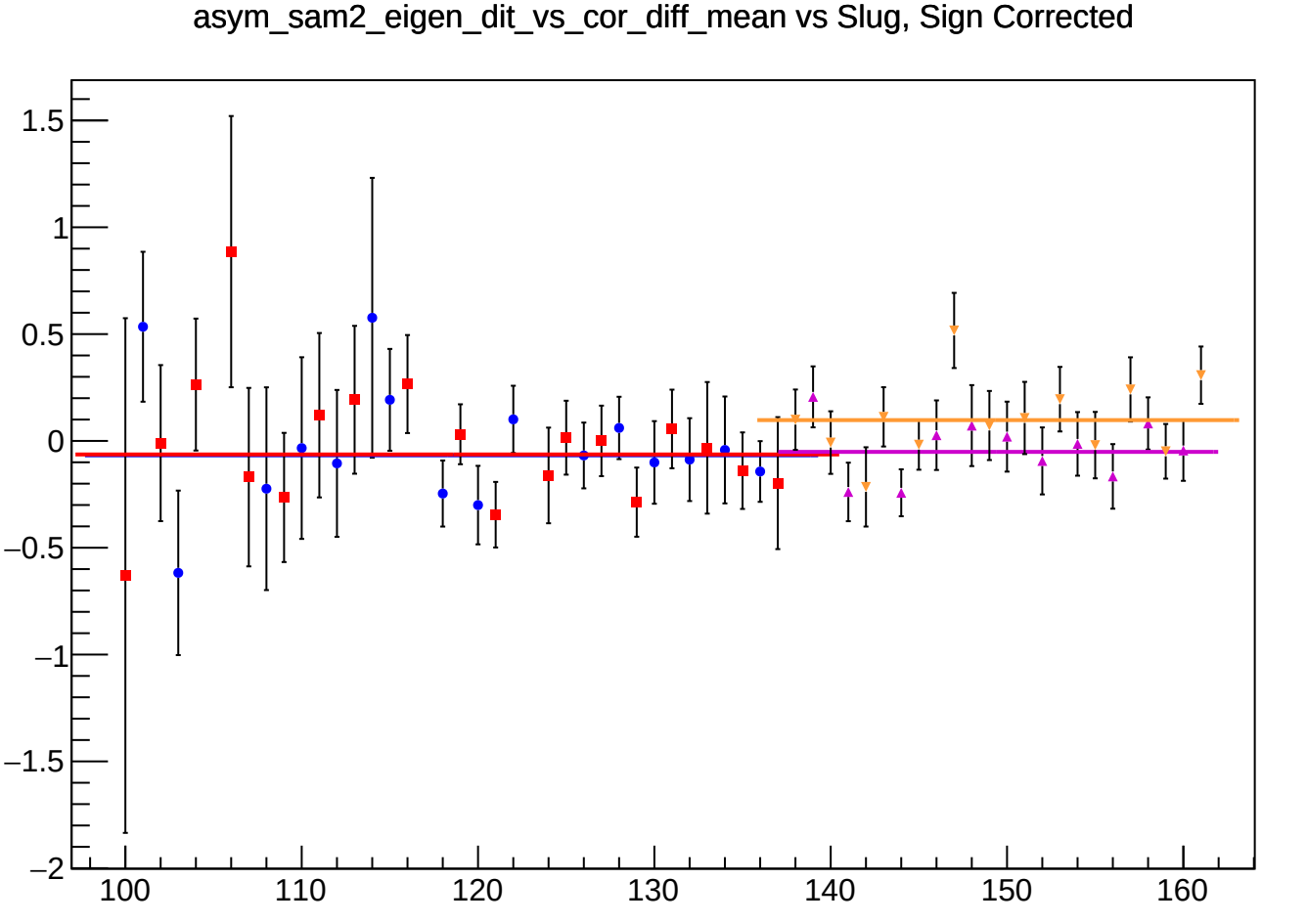
Left: 0.008+/-0.000 χ^2/NDF: 2637207.4/23

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6204351.3/26

Out: 0.007+/-0.000 χ^2/NDF:7725778.0/31

All: 0.007+/-0.000 χ^2/NDF: 14045472.9/58



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.051+/-0.043 χ^2/NDF:10.9/10

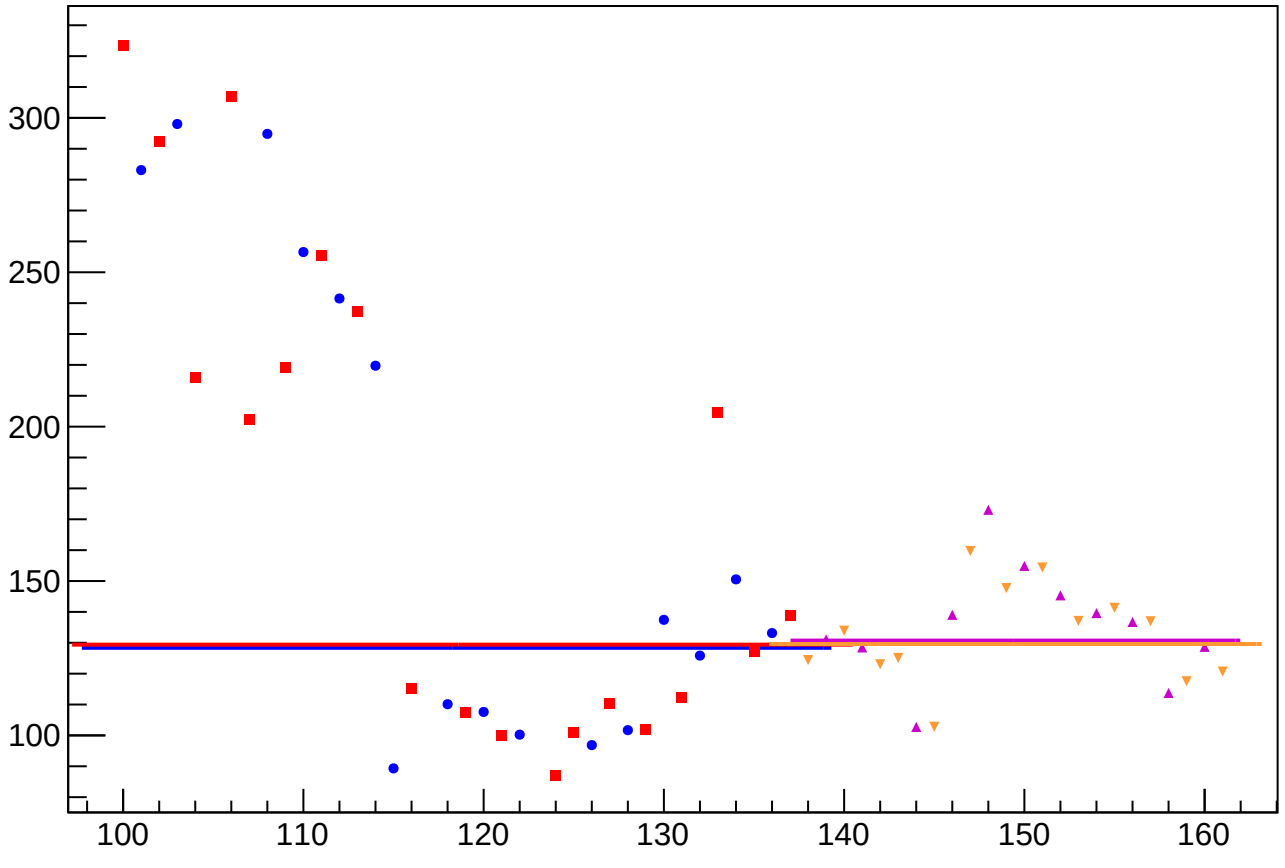
Left: 0.028+/-0.030 χ^2/NDF: 32.9/23

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.036+/-0.032 χ^2/NDF:35.7/31

All: -0.009+/-0.023 χ^2/NDF: 63.3/58



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.601+/-0.029 χ^2/NDF:288263.3/12

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

Left: 130.125+/-0.021 χ^2/NDF: 634743.4/23

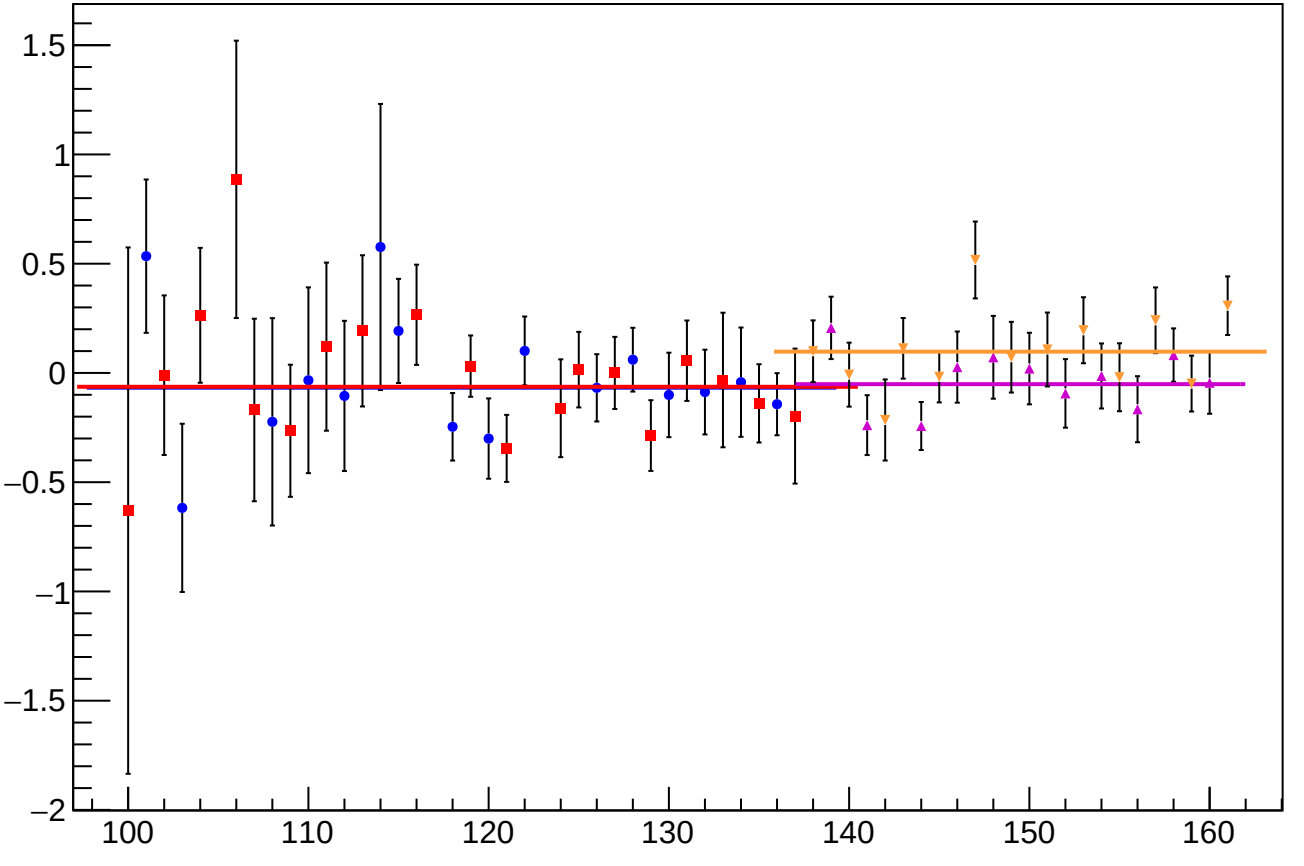
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.754+/-0.023 χ^2/NDF:2153206.9/26

Out: 129.522+/-0.023 χ^2/NDF:2176555.6/31

All: 129.634+/-0.016 χ^2/NDF: 4329812.9/58

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: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.051+/-0.043 χ^2/NDF:10.9/10

Left: 0.028+/-0.030 χ^2/NDF: 32.9/23

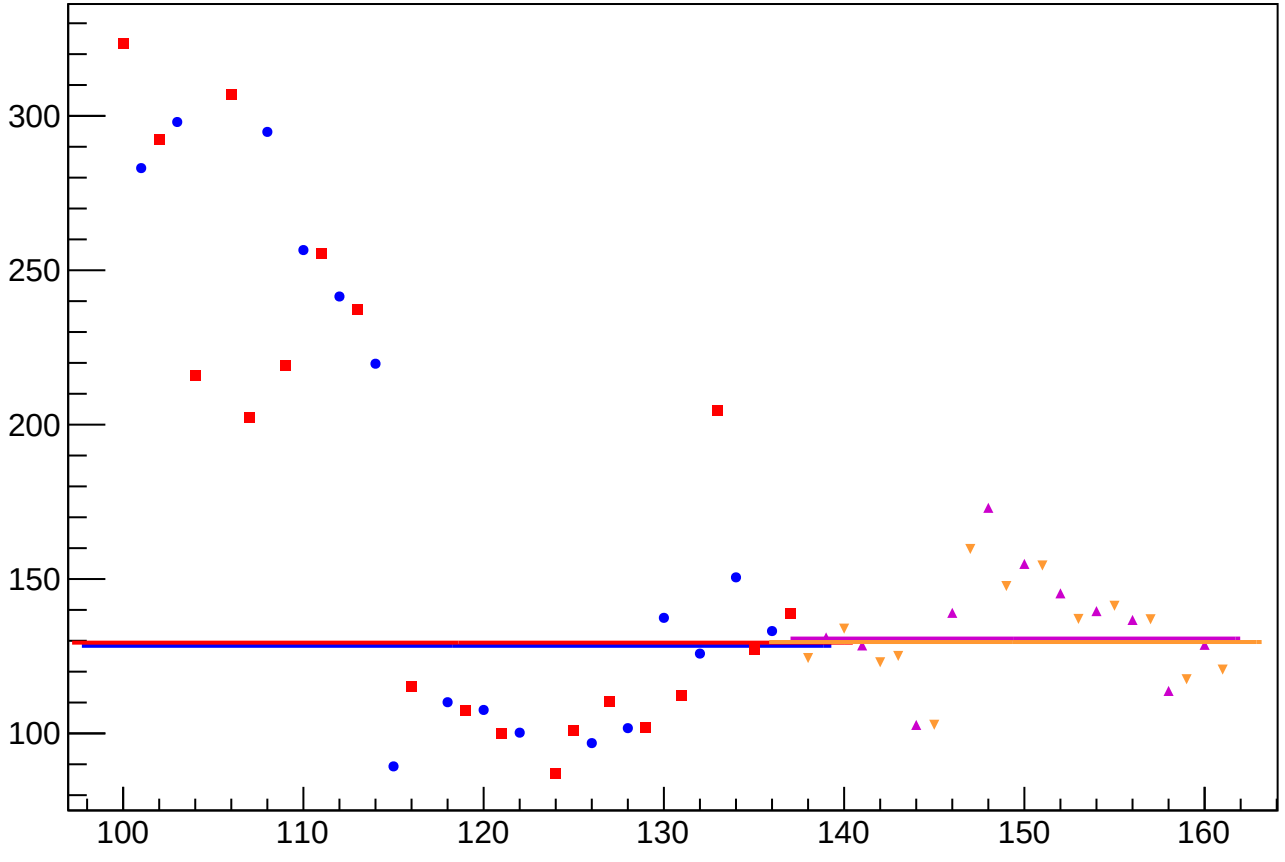
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.033 χ^2/NDF:23.4/26

Out: 0.036+/-0.032 χ^2/NDF:35.7/31

All: -0.009+/-0.023 χ^2/NDF: 63.3/58

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: 129.601+/-0.029 χ^2/NDF:288263.3/12

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

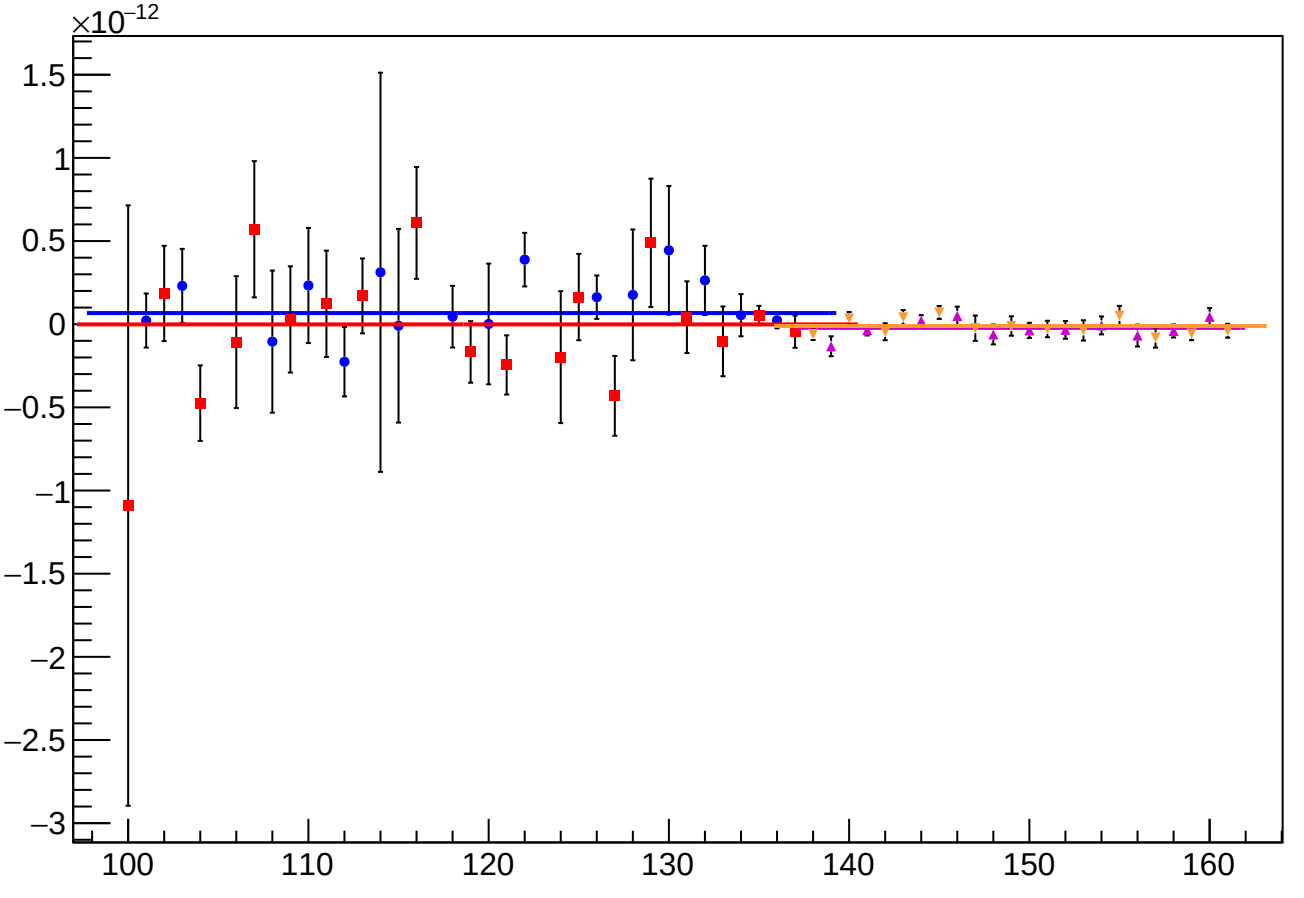
Left: 130.125+/-0.021 χ^2/NDF: 634743.4/23

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.754+/-0.023 χ^2/NDF:2153206.9/26

Out: 129.522+/-0.023 χ^2/NDF:2176555.6/31

All: 129.634+/-0.016 χ^2/NDF: 4329812.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

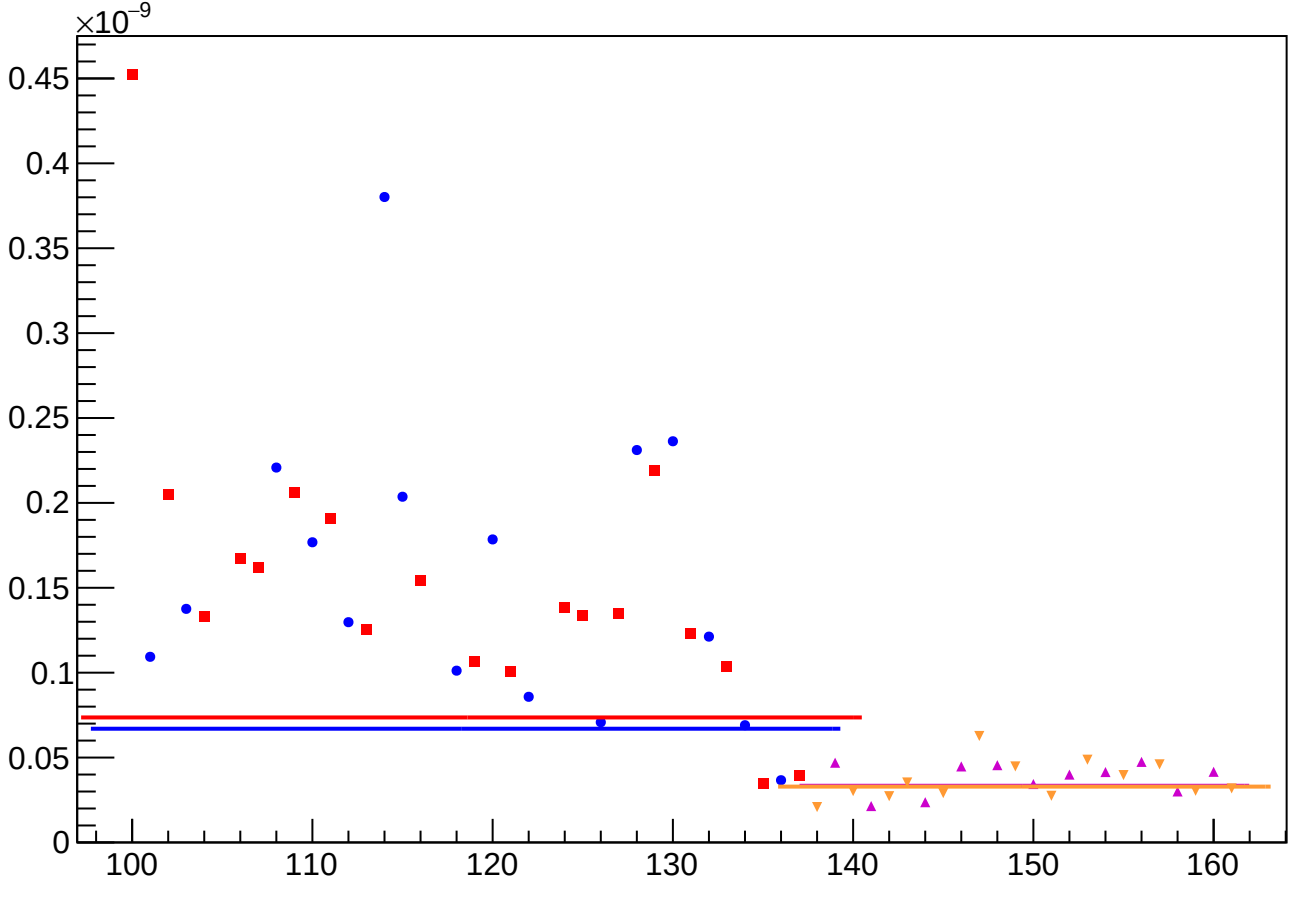
Left: -0.000+/-0.000 χ^2/NDF: 24.0/23

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:25.5/26

Out: -0.000+/-0.000 χ^2/NDF:34.4/31

All: -0.000+/-0.000 χ^2/NDF: 60.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:950760.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:951106.6/10

Left: 0.000+/-0.000 χ^2/NDF: 1903237.4/23

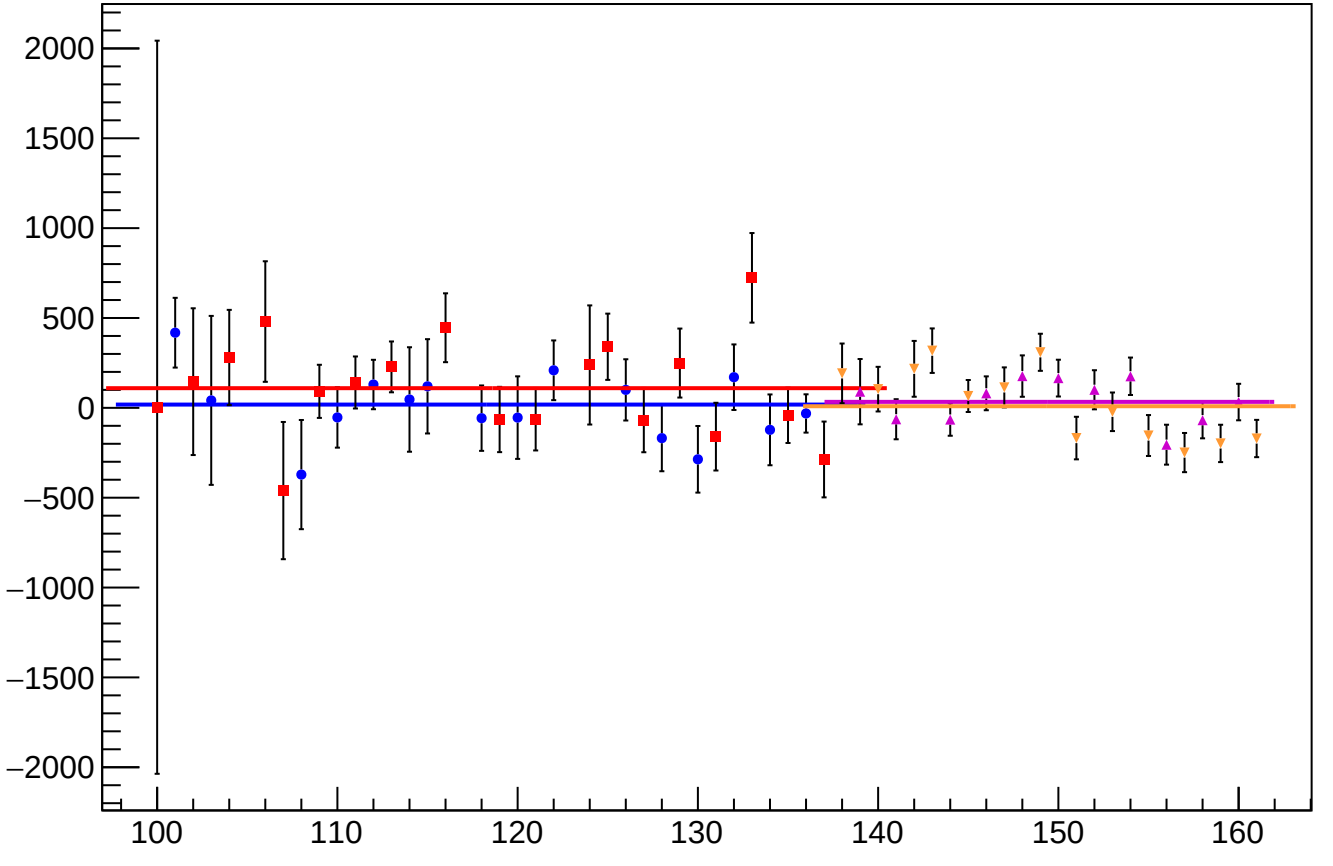
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5639586.6/26

Out: 0.000+/-0.000 χ^2/NDF:6531956.7/31

All: 0.000+/-0.000 χ^2/NDF: 12175450.0/58

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.962+/-31.418 χ^2/NDF:36.5/12

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 33.304+/-32.113 χ^2/NDF:13.4/10

Left: 20.867+/-22.457 χ^2/NDF: 50.2/23

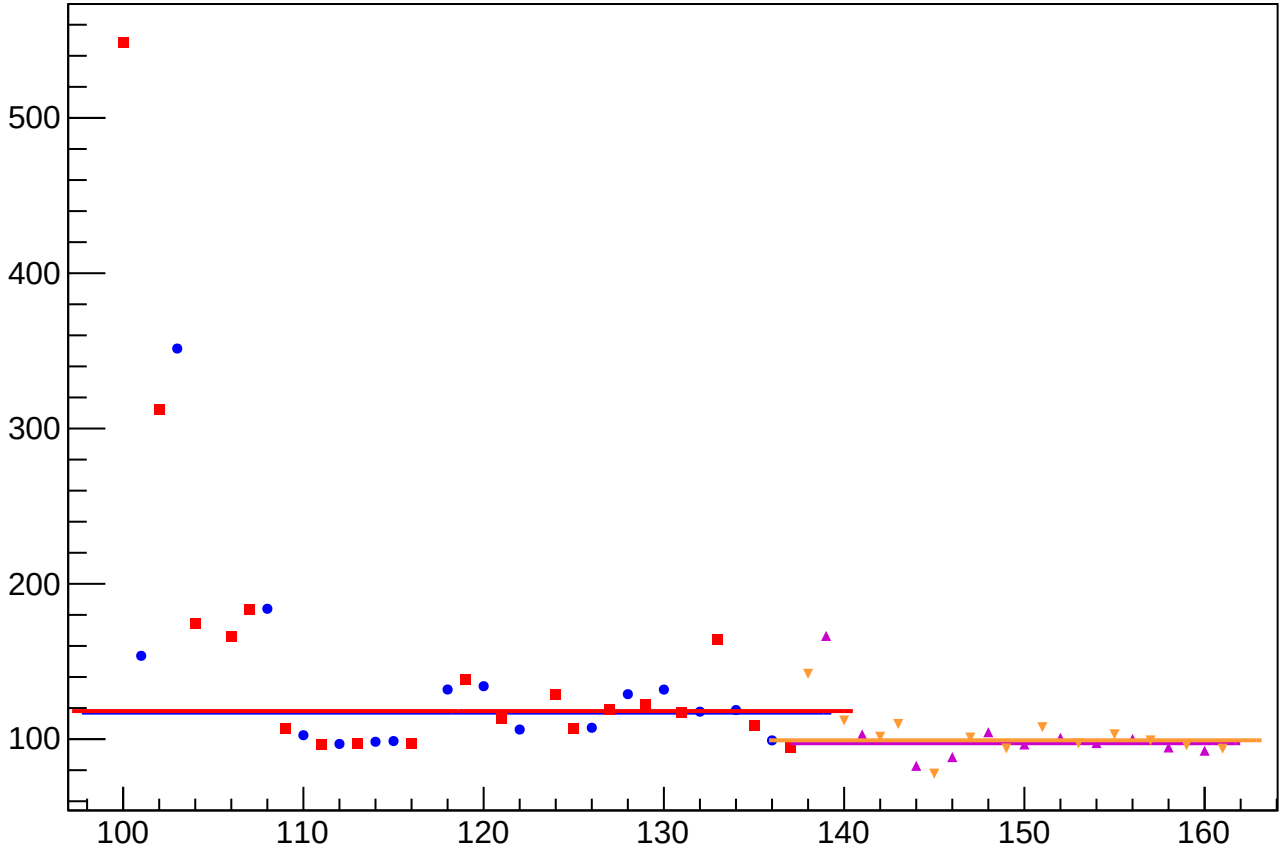
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 28.313+/-26.275 χ^2/NDF:27.3/26

Out: 41.088+/-25.912 χ^2/NDF:65.2/31

All: 34.789+/-18.450 χ^2/NDF: 92.7/58

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

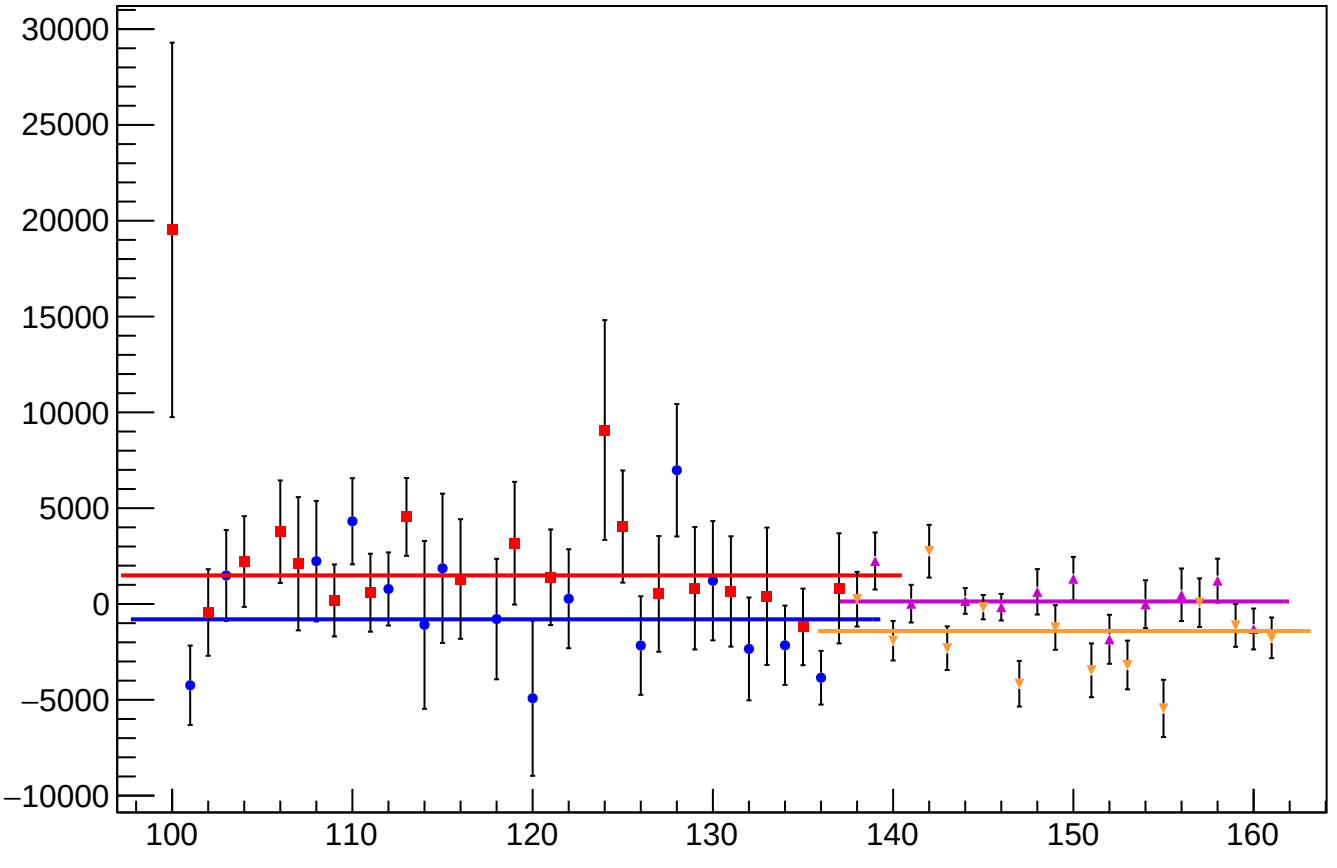
Left: 98.330+/-0.016 χ^2/NDF: 696107.3/23

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 103.881+/-0.019 χ^2/NDF:1488196.0/26

Out: 105.261+/-0.018 χ^2/NDF:1531335.5/31

All: 104.581+/-0.013 χ^2/NDF: 3022326.5/58



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1408.034+/-308.142 χ^2/NDF:33.5/12

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 133.696+/-305.776 χ^2/NDF:8.7/10

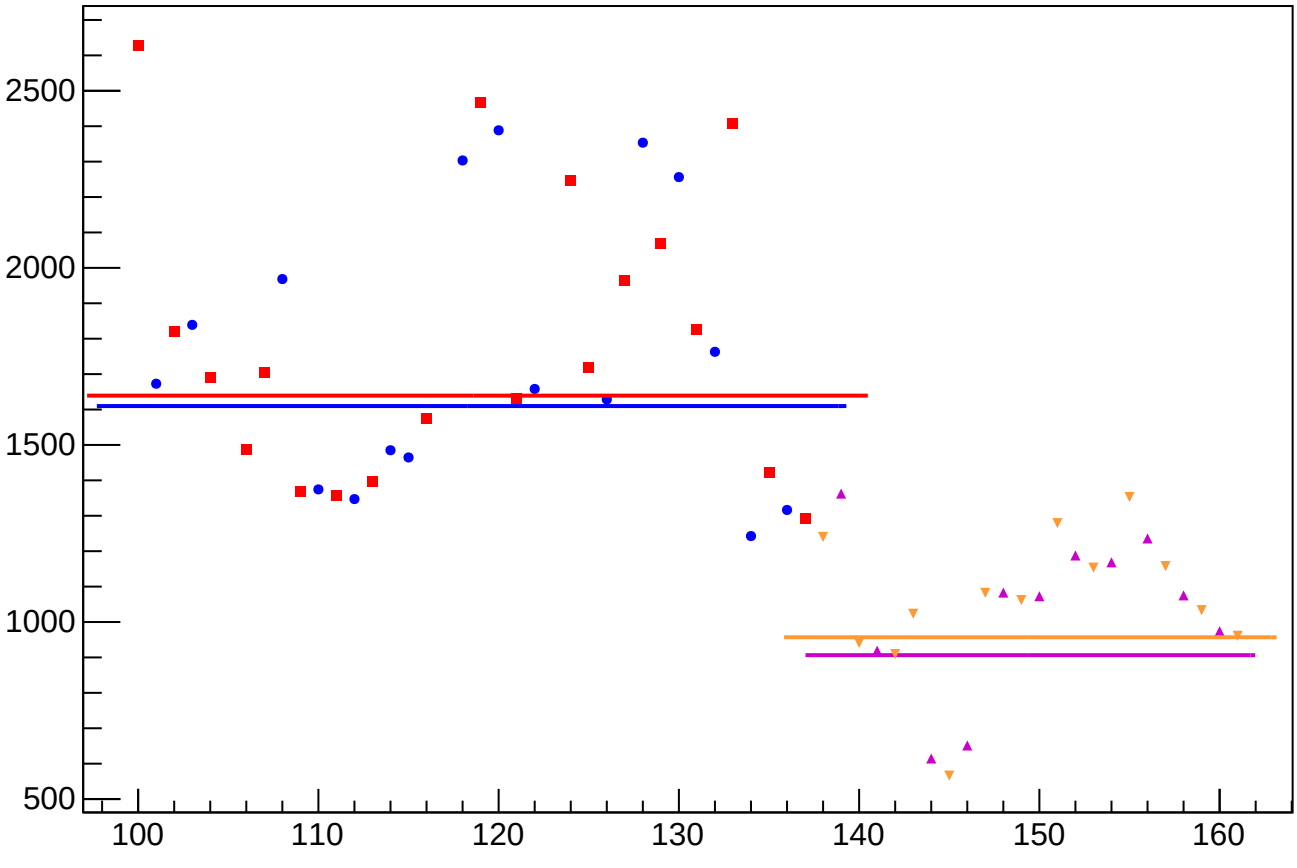
Left: -631.227+/-217.048 χ^2/NDF: 54.8/23

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -50.711+/-273.889 χ^2/NDF:33.9/26

Out: -822.818+/-275.324 χ^2/NDF:64.3/31

All: -434.748+/-194.174 χ^2/NDF: 102.2/58



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236964.1/12

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 906.439+/-0.216 χ^2/NDF:1276373.0/10

Left: 931.470+/-0.153 χ^2/NDF: 2540351.1/23

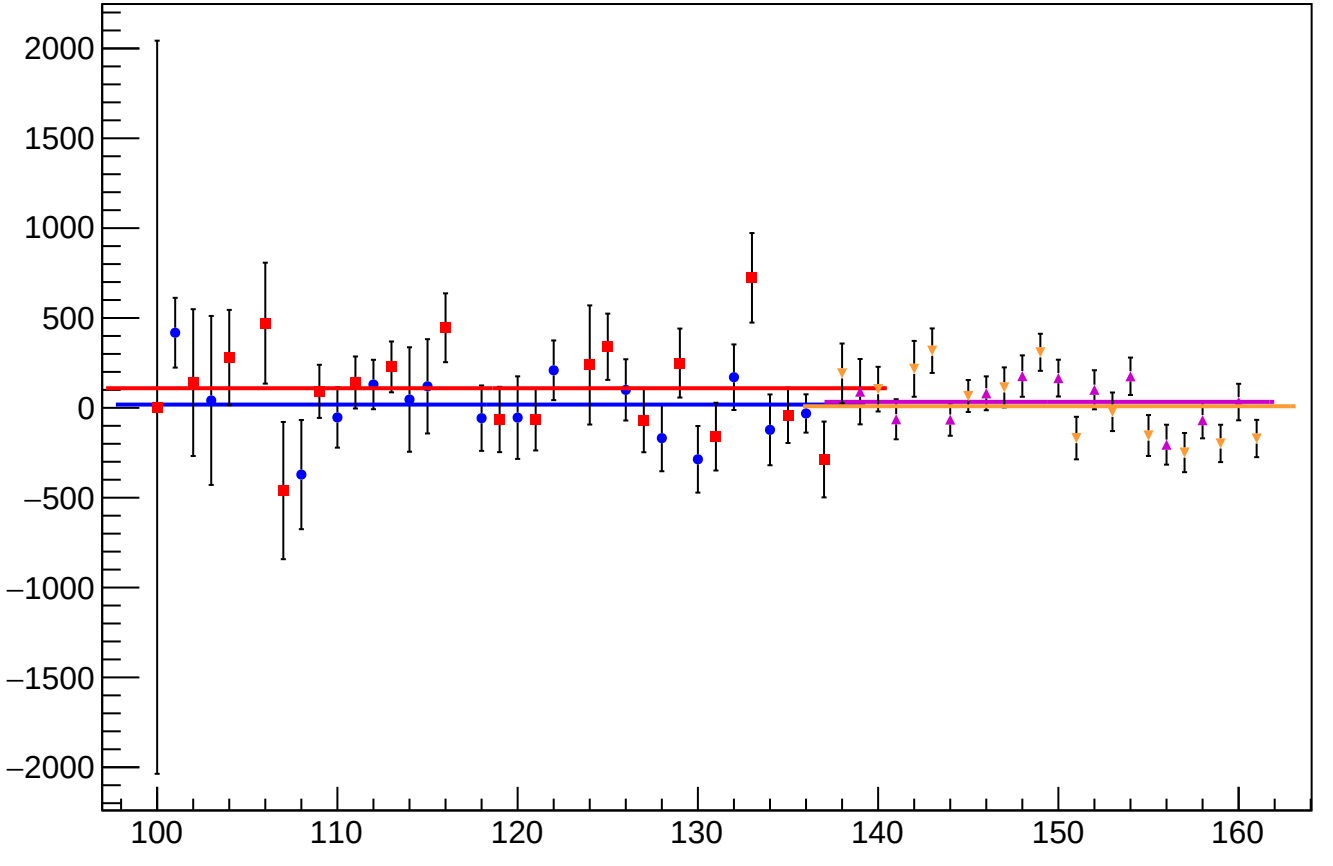
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1045.480+/-0.194 χ^2/NDF:3987368.3/26

Out: 1094.497+/-0.195 χ^2/NDF:3734897.8/31

All: 1069.860+/-0.137 χ^2/NDF: 7754127.0/58

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.965+/-31.418 χ^2/NDF:36.5/12

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.308+/-32.113 χ^2/NDF:13.4/10

Left: 20.870+/-22.457 χ^2/NDF: 50.2/23

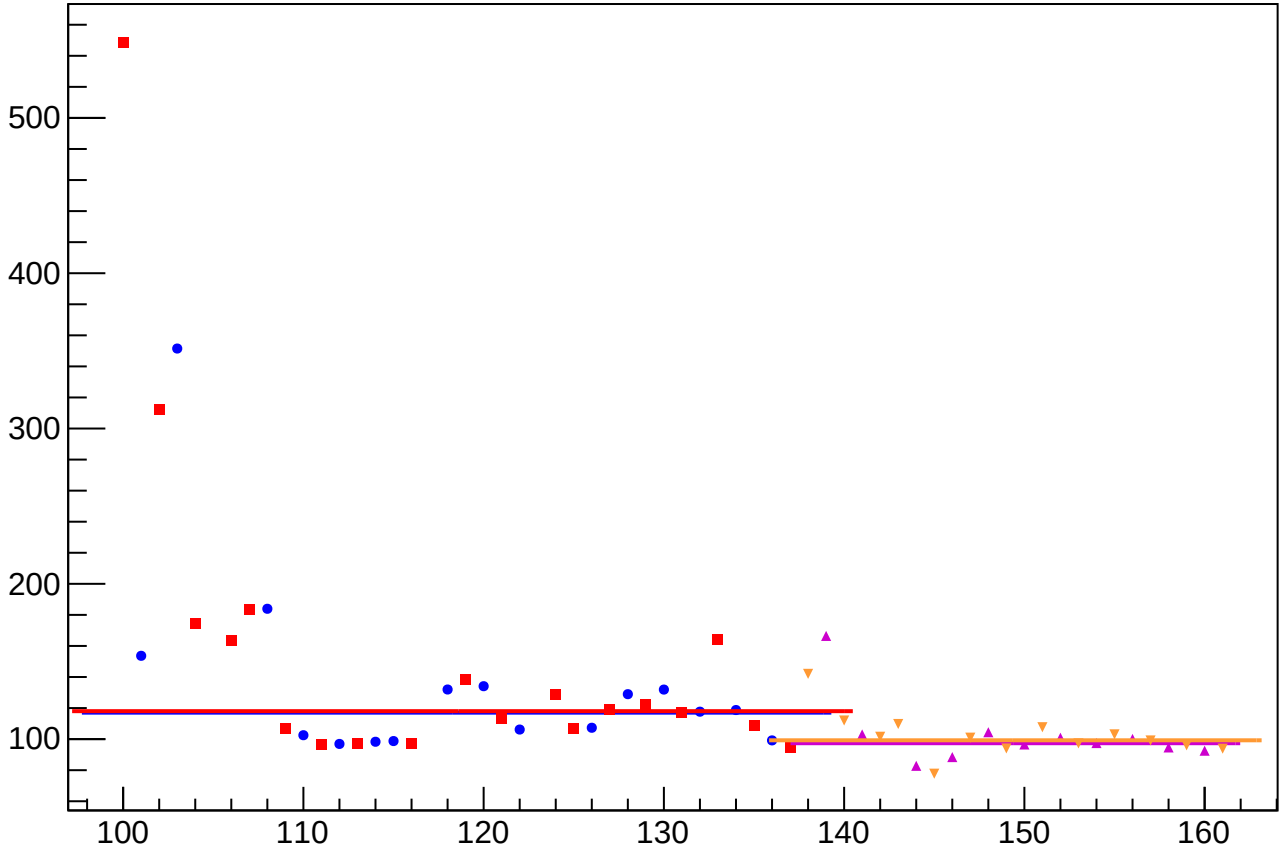
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.312+/-26.275 χ^2/NDF:27.3/26

Out: 40.997+/-25.913 χ^2/NDF:65.2/31

All: 34.742+/-18.450 χ^2/NDF: 92.6/58

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

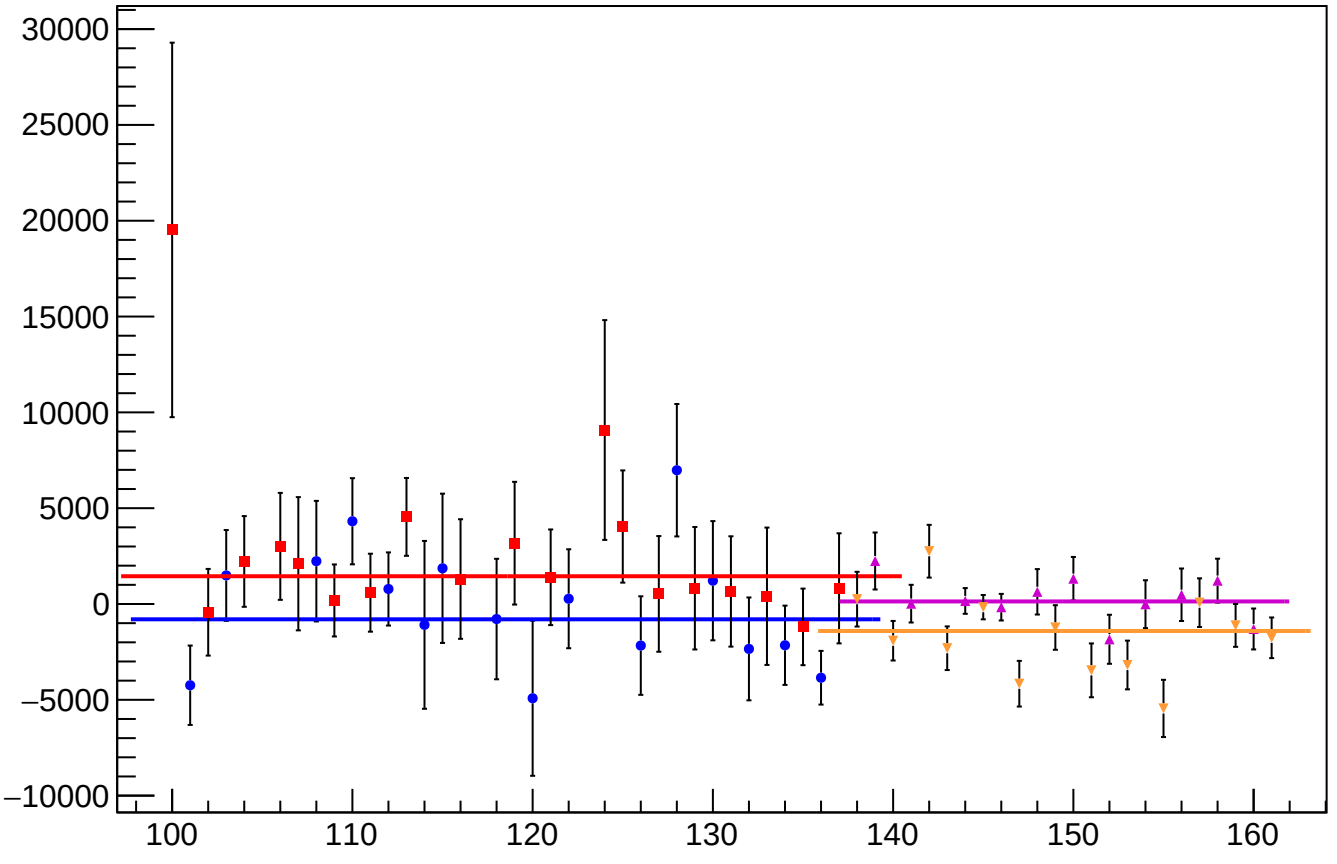
Left: 98.330+/-0.016 χ^2/NDF: 696107.2/23

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.881+/-0.019 χ^2/NDF:1488197.9/26

Out: 105.244+/-0.018 χ^2/NDF:1525860.3/31

All: 104.572+/-0.013 χ^2/NDF: 3016784.3/58



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1408.030+/-308.142 χ^2/NDF:33.5/12

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 133.703+/-305.776 χ^2/NDF:8.7/10

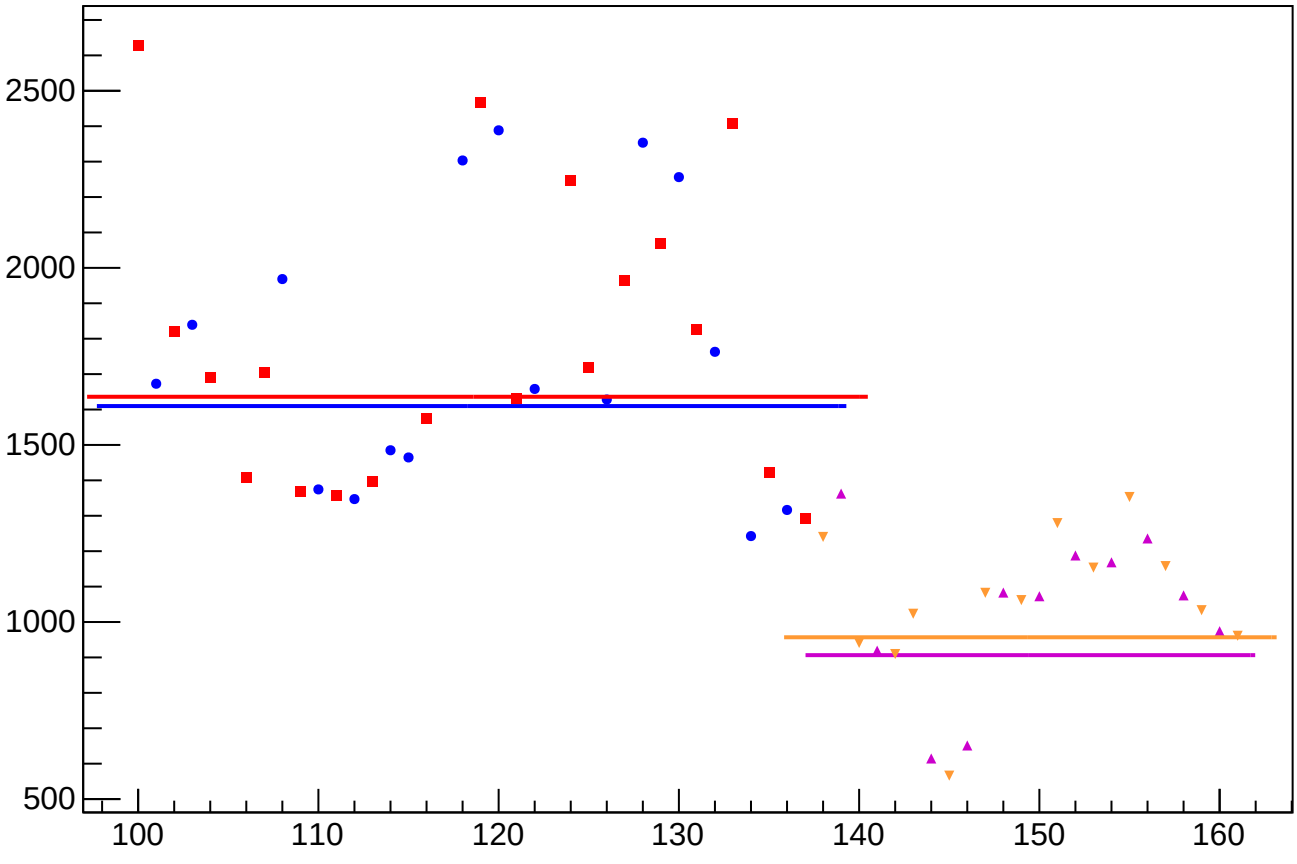
Left: -631.222+/-217.048 χ^2/NDF: 54.8/23

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -50.700+/-273.890 χ^2/NDF:33.9/26

Out: -833.998+/-275.445 χ^2/NDF:63.2/31

All: -440.131+/-194.217 χ^2/NDF: 101.2/58



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236965.4/12

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 906.439+/-0.216 χ^2/NDF:1276375.4/10

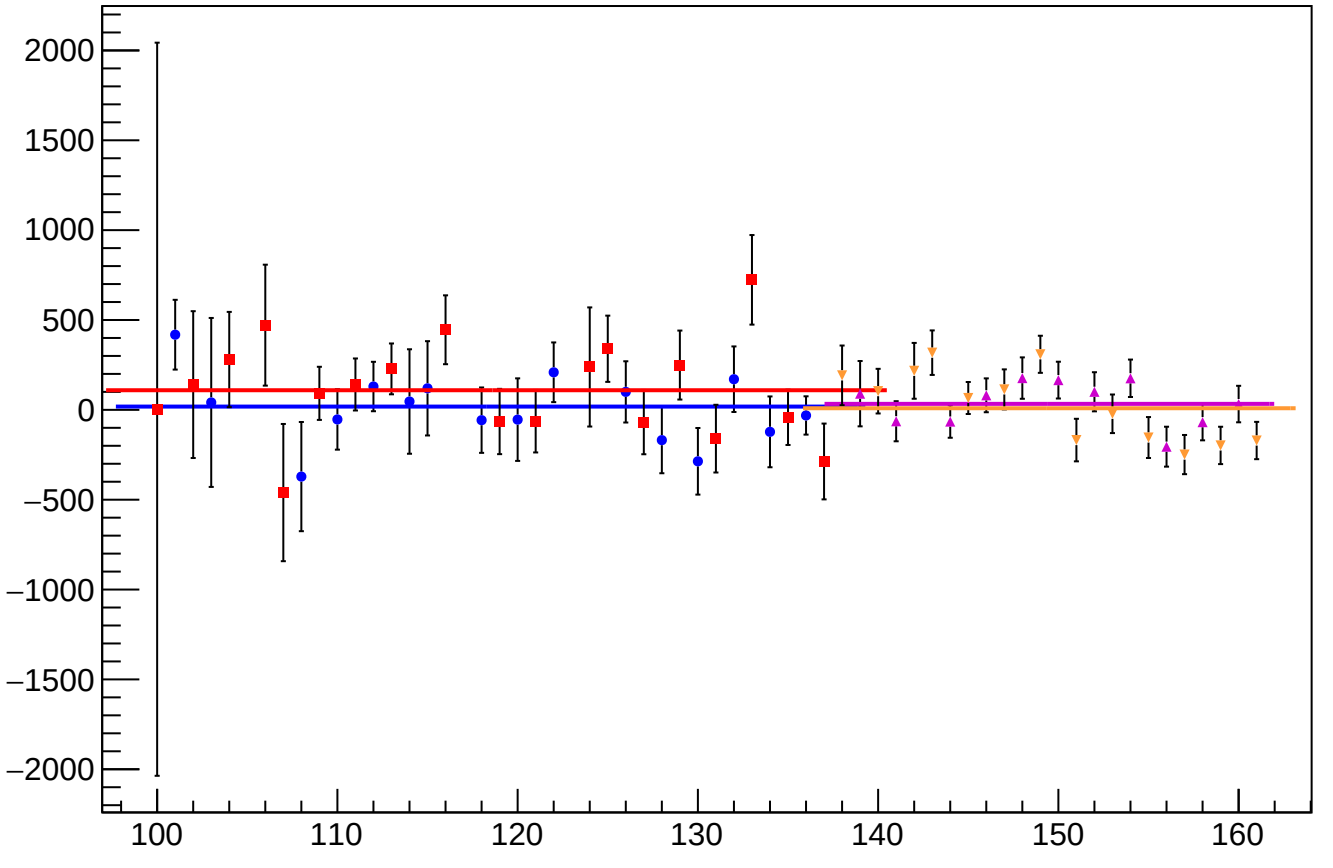
Left: 931.470+/-0.153 χ^2/NDF: 2540354.7/23

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1045.480+/-0.194 χ^2/NDF:3987432.3/26

Out: 1093.373+/-0.195 χ^2/NDF:3717199.1/31

All: 1069.291+/-0.137 χ^2/NDF: 7735035.0/58



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.965+/-31.418 χ^2/NDF:36.5/12

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 33.308+/-32.113 χ^2/NDF:13.4/10

Left: 20.870+/-22.457 χ^2/NDF: 50.2/23

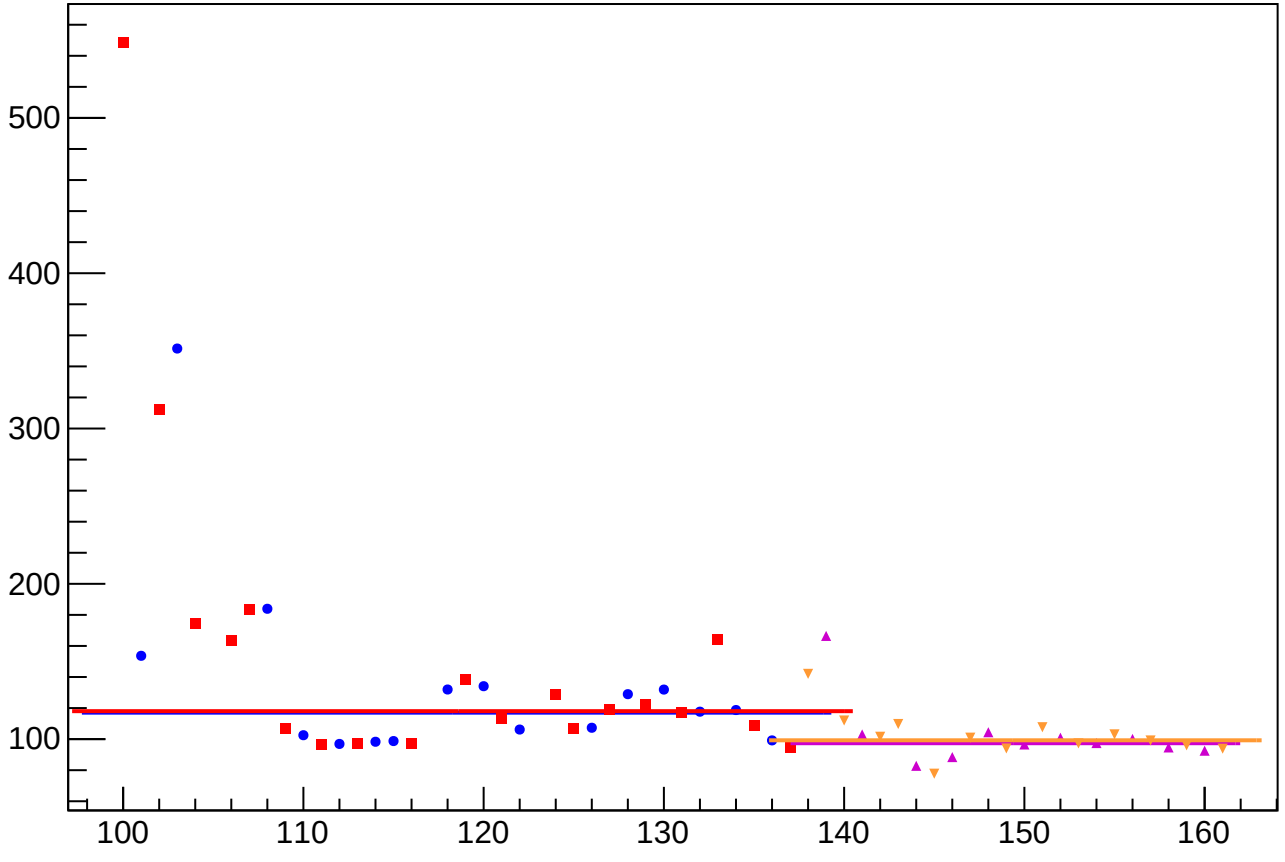
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 28.312+/-26.275 χ^2/NDF:27.3/26

Out: 40.997+/-25.913 χ^2/NDF:65.2/31

All: 34.742+/-18.450 χ^2/NDF: 92.6/58

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

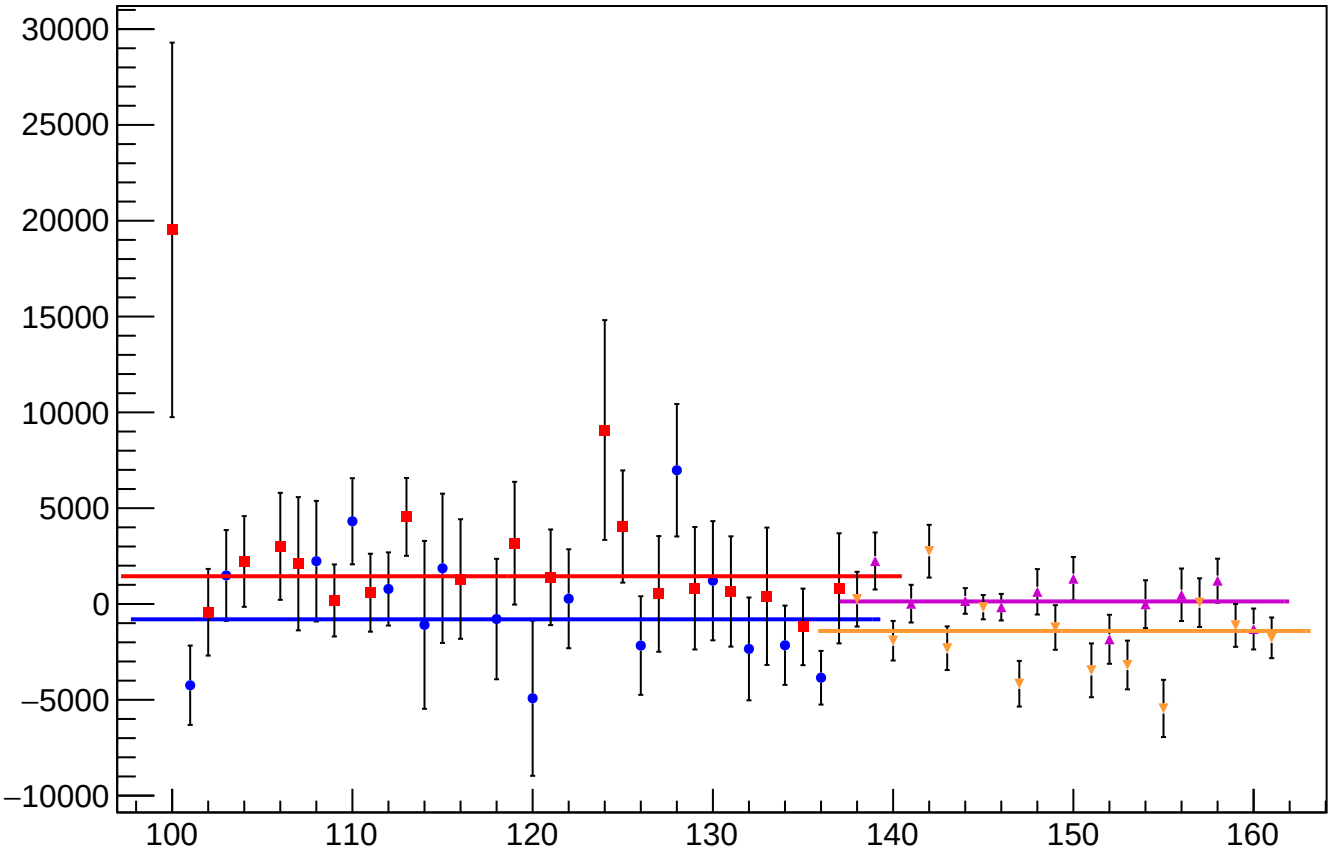
Left: 98.330+/-0.016 χ^2/NDF: 696107.2/23

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.881+/-0.019 χ^2/NDF:1488197.9/26

Out: 105.244+/-0.018 χ^2/NDF:1525860.3/31

All: 104.572+/-0.013 χ^2/NDF: 3016784.3/58



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1408.030+/-308.142 χ^2/NDF:33.5/12

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 133.703+/-305.776 χ^2/NDF:8.7/10

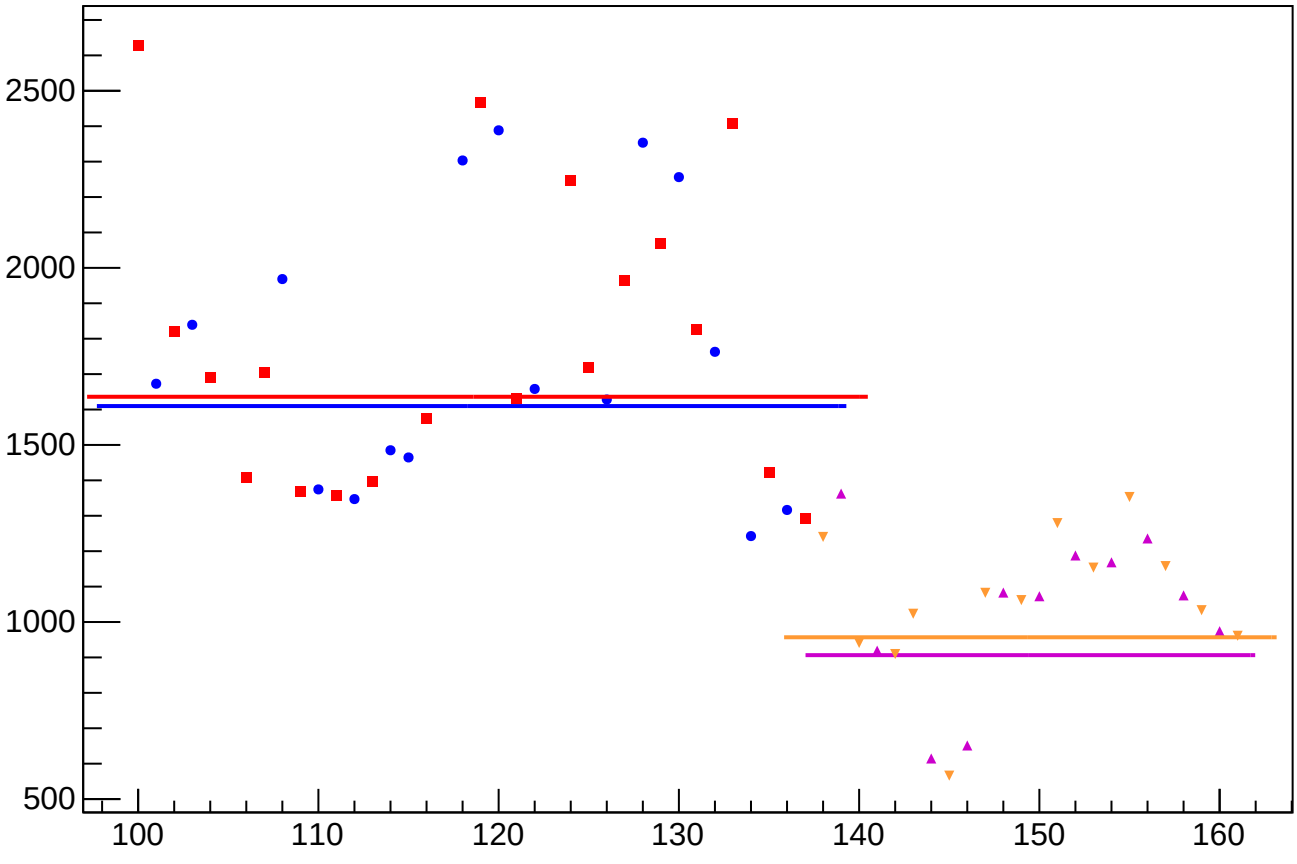
Left: -631.222+/-217.048 χ^2/NDF: 54.8/23

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -50.700+/-273.890 χ^2/NDF:33.9/26

Out: -833.998+/-275.445 χ^2/NDF:63.2/31

All: -440.131+/-194.217 χ^2/NDF: 101.2/58



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236965.4/12

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 906.439+/-0.216 χ^2/NDF:1276375.4/10

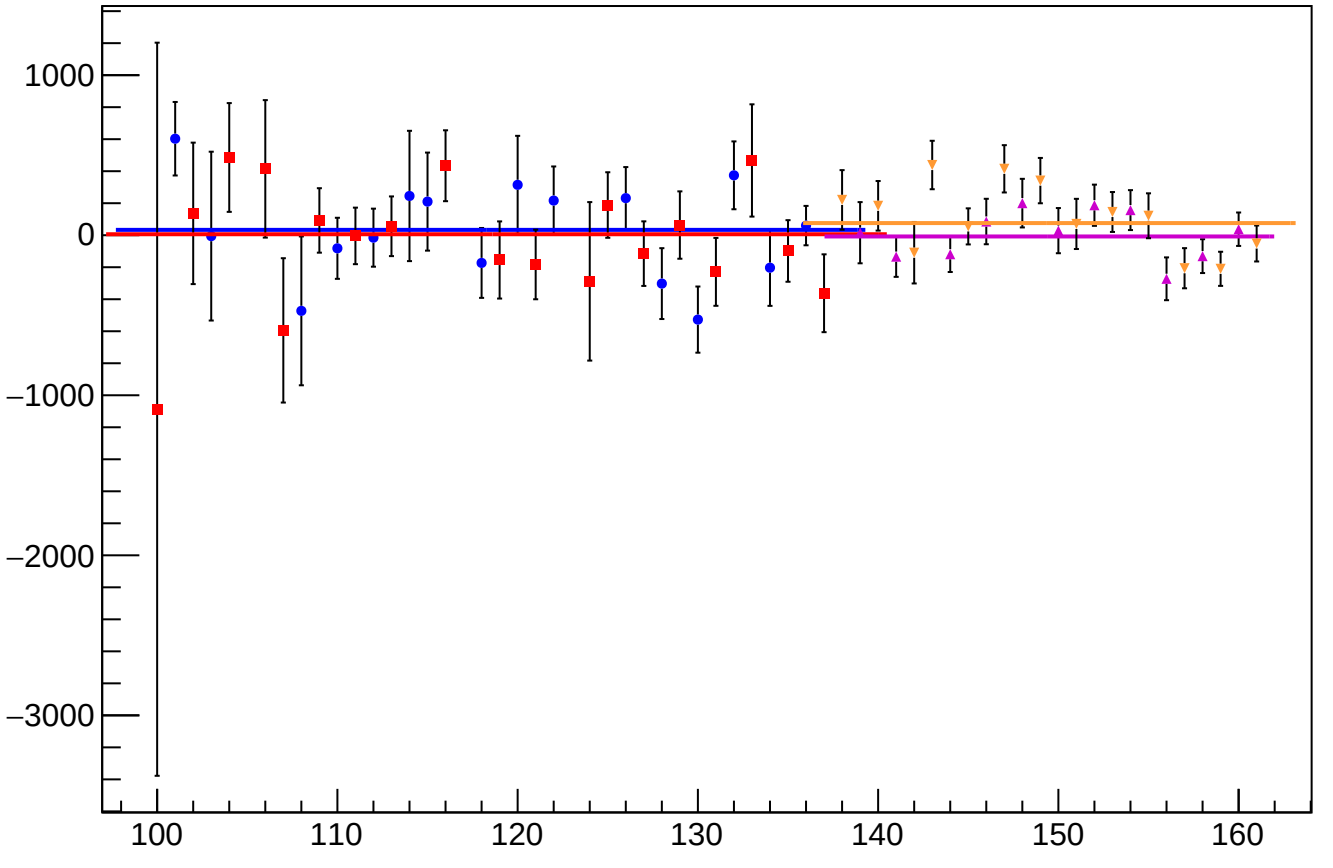
Left: 931.470+/-0.153 χ^2/NDF: 2540354.7/23

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1045.480+/-0.194 χ^2/NDF:3987432.3/26

Out: 1093.373+/-0.195 χ^2/NDF:3717199.1/31

All: 1069.291+/-0.137 χ^2/NDF: 7735035.0/58



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 75.871+/-37.739 χ^2/NDF:30.5/12

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -7.767+/-38.472 χ^2/NDF:13.9/10

Left: 34.856+/-26.941 χ^2/NDF: 46.8/23

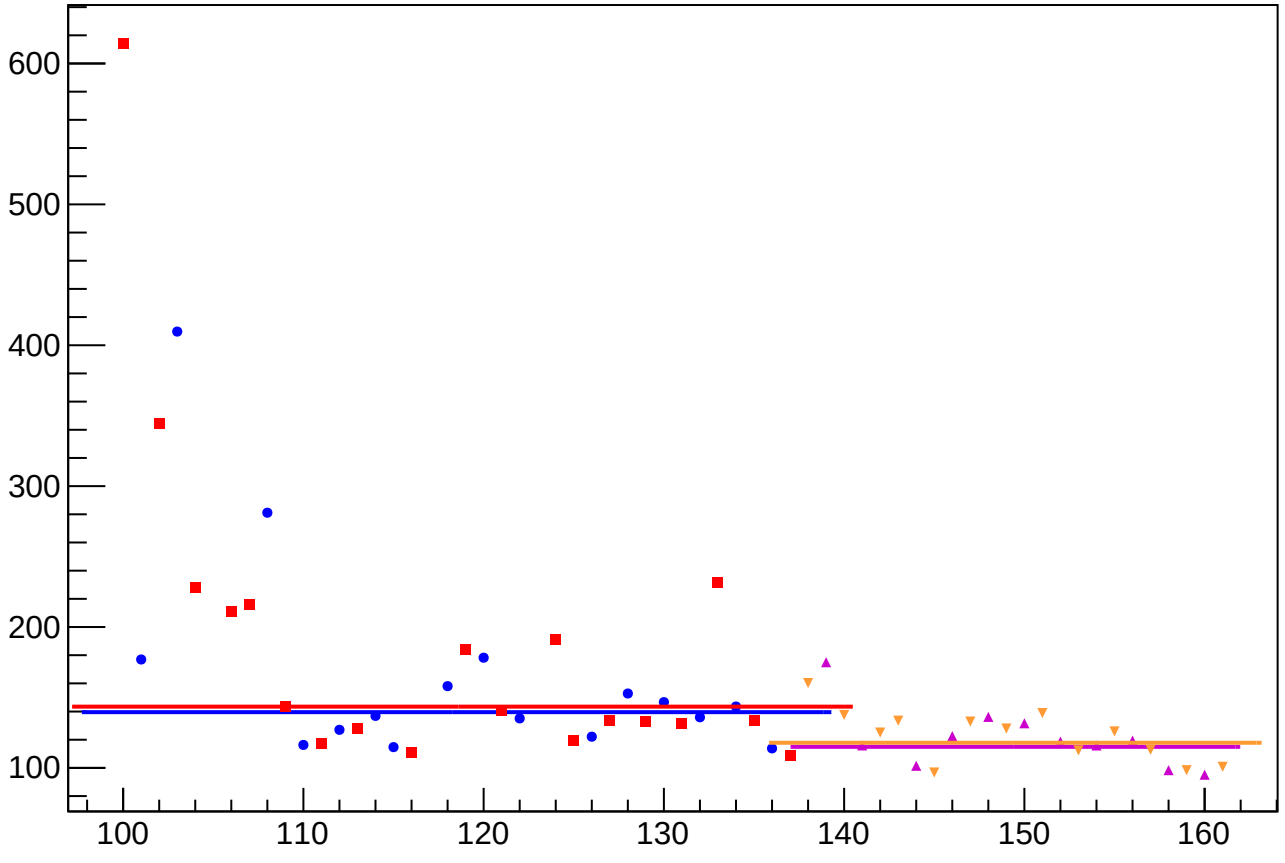
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 5.812+/-31.508 χ^2/NDF:39.4/26

Out: 54.131+/-31.312 χ^2/NDF:48.9/31

All: 30.122+/-22.210 χ^2/NDF: 89.5/58

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 117.848+/-0.027 χ^2/NDF:423605.6/12

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 114.951+/-0.027 χ^2/NDF:424538.3/10

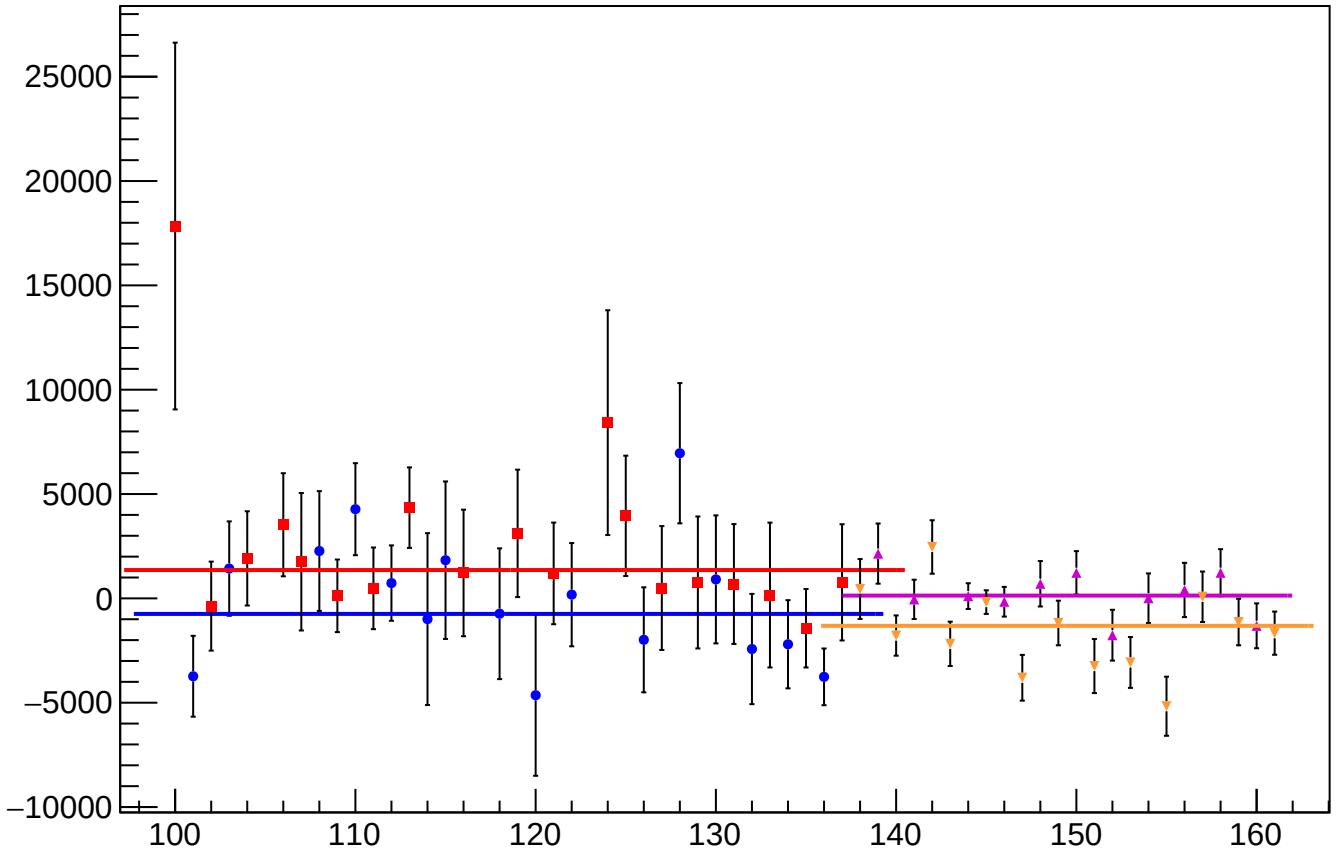
Left: 116.428+/-0.019 χ^2/NDF: 853923.4/23

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 123.057+/-0.022 χ^2/NDF:1670868.9/26

Out: 125.836+/-0.022 χ^2/NDF:1827761.4/31

All: 124.455+/-0.016 χ^2/NDF: 3506458.5/58



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1315.876+/-287.817 χ^2/NDF:33.5/12

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 133.949+/-293.680 χ^2/NDF:8.8/10

Left: -605.581+/-205.559 χ^2/NDF: 54.7/23

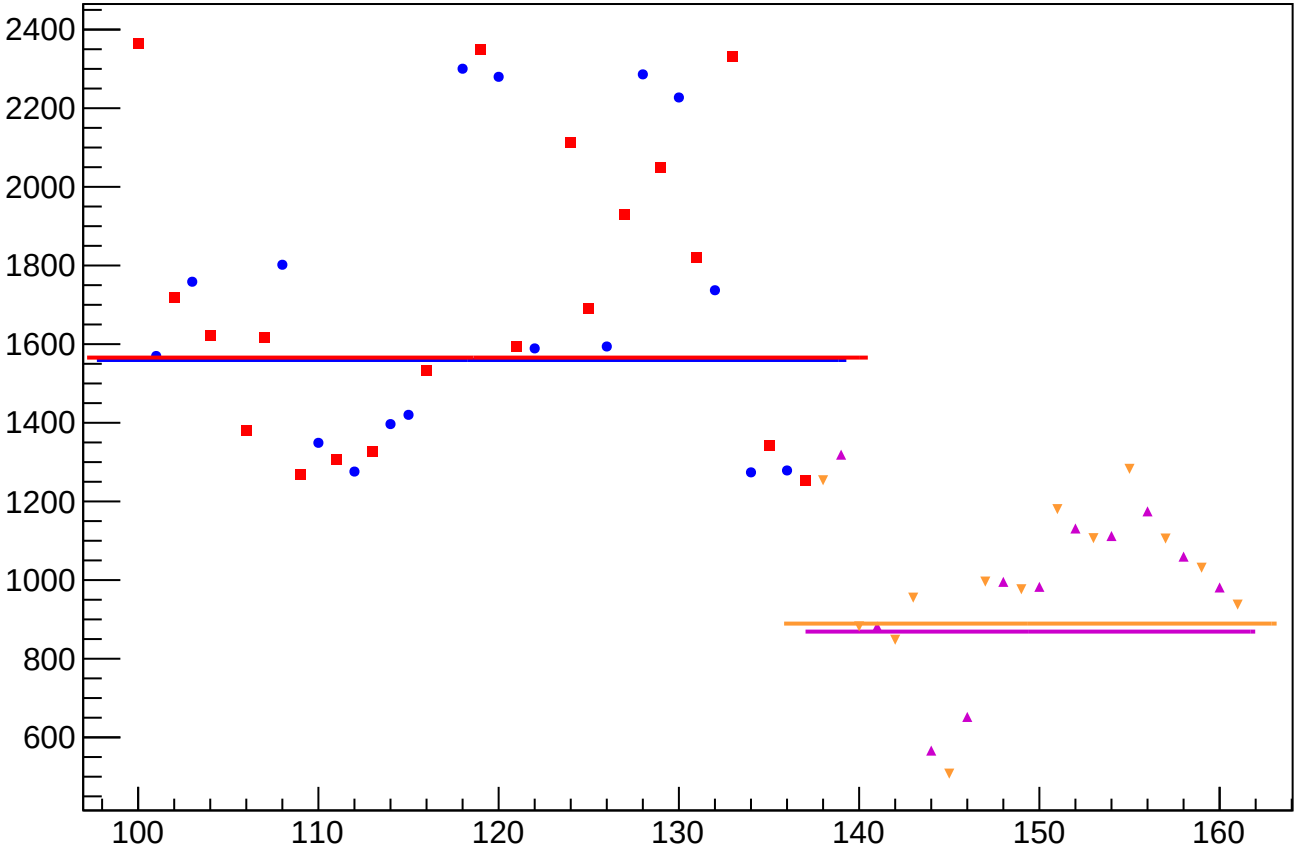
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -37.795+/-263.418 χ^2/NDF:34.0/26

Out: -795.960+/-258.322 χ^2/NDF:63.8/31

All: -424.283+/-184.437 χ^2/NDF: 102.0/58

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 889.335+/-0.204 χ^2/NDF:1499720.2/12

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 868.980+/-0.208 χ^2/NDF:1277207.5/10

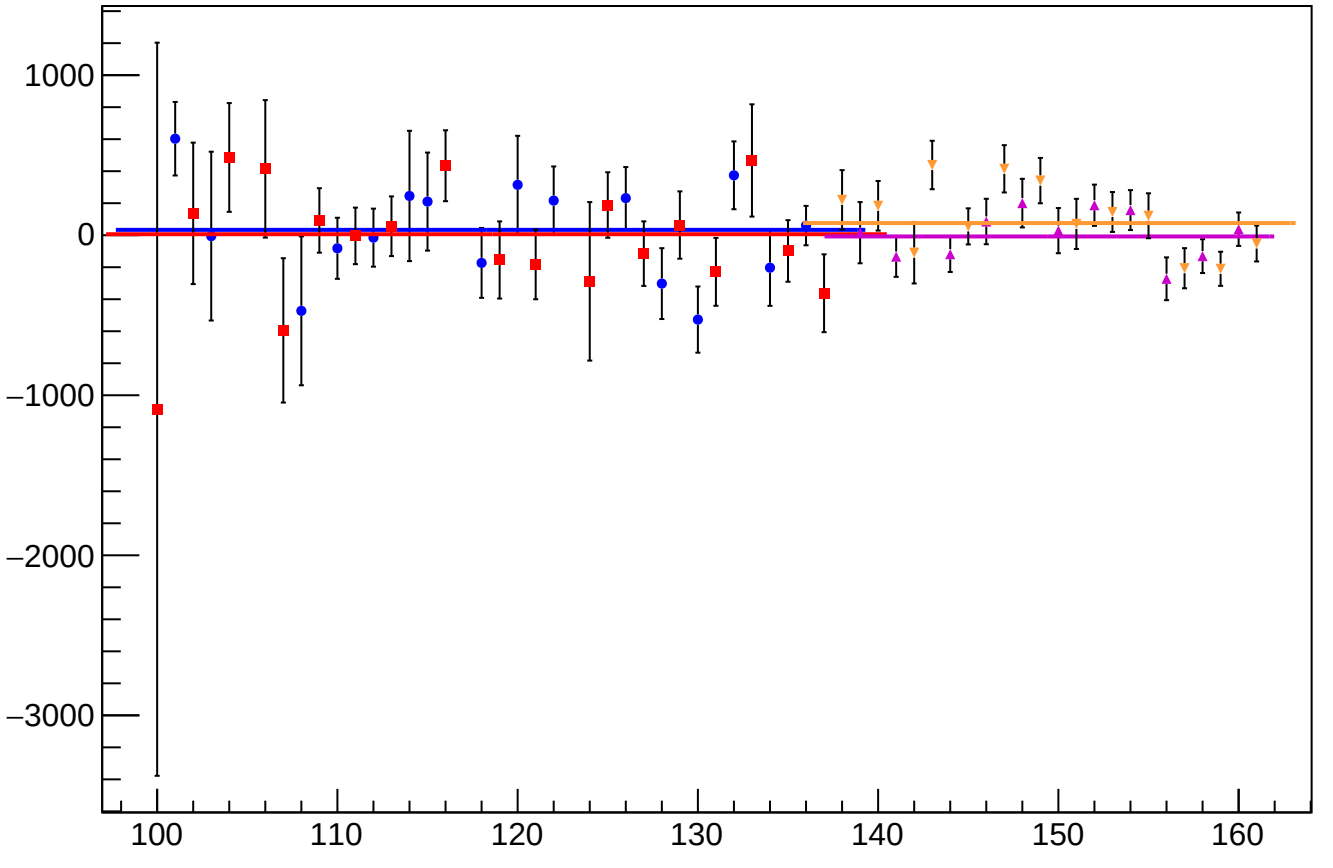
Left: 879.363+/-0.145 χ^2/NDF: 2781828.8/23

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1004.001+/-0.186 χ^2/NDF:4044169.5/26

Out: 1020.877+/-0.183 χ^2/NDF:4211949.2/31

All: 1012.603+/-0.130 χ^2/NDF: 8260303.3/58



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 75.874+/-37.740 χ^2/NDF:30.5/12

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -7.768+/-38.472 χ^2/NDF:13.9/10

Left: 34.857+/-26.941 χ^2/NDF: 46.8/23

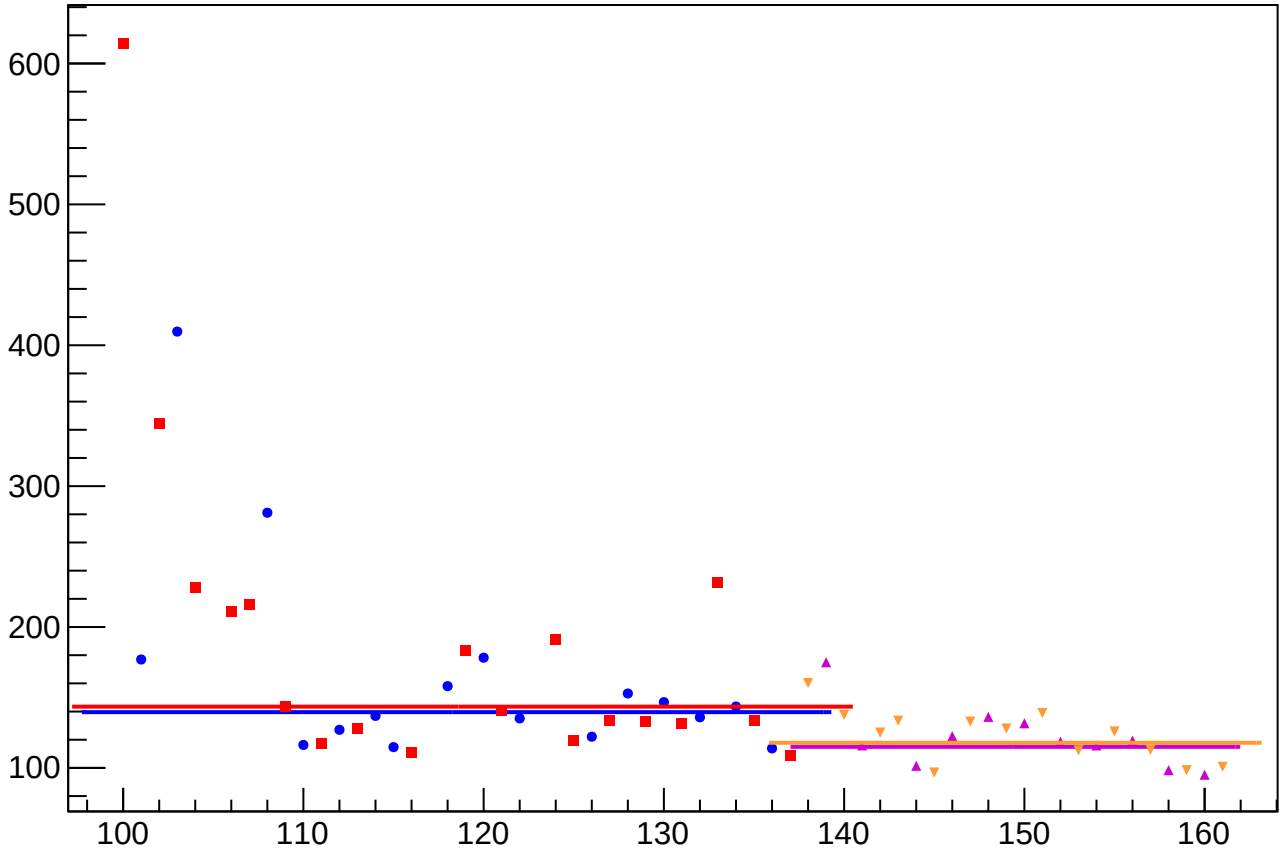
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 5.811+/-31.508 χ^2/NDF:39.4/26

Out: 54.131+/-31.312 χ^2/NDF:48.9/31

All: 30.122+/-22.210 χ^2/NDF: 89.5/58

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 117.849+/-0.027 χ^2/NDF:423620.7/12

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.952+/-0.027 χ^2/NDF:424547.1/10

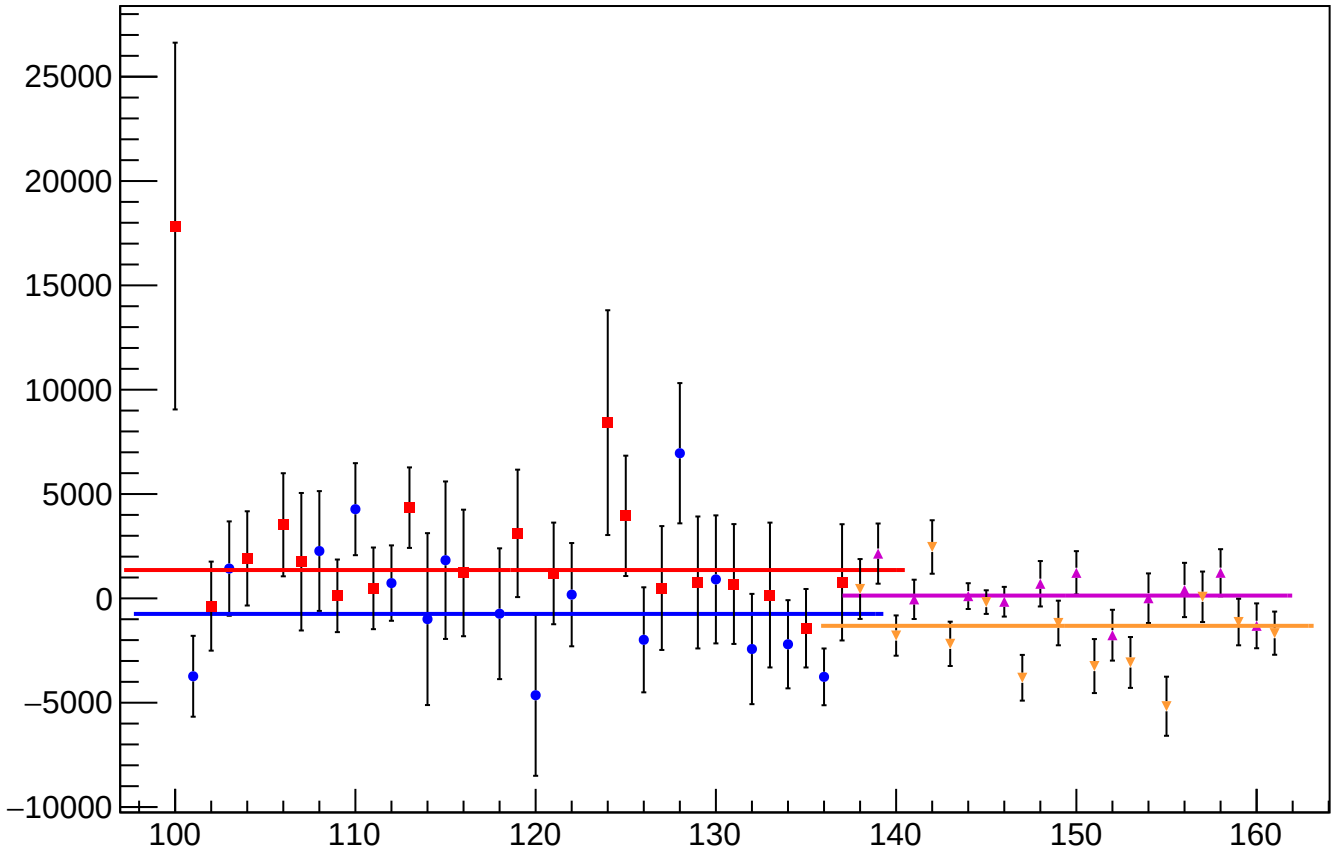
Left: 116.428+/-0.019 χ^2/NDF: 853947.7/23

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 123.057+/-0.022 χ^2/NDF:1670874.8/26

Out: 125.836+/-0.022 χ^2/NDF:1827778.4/31

All: 124.455+/-0.016 χ^2/NDF: 3506482.3/58



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1315.877+/-287.816 χ^2/NDF:33.5/12

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 133.948+/-293.680 χ^2/NDF:8.8/10

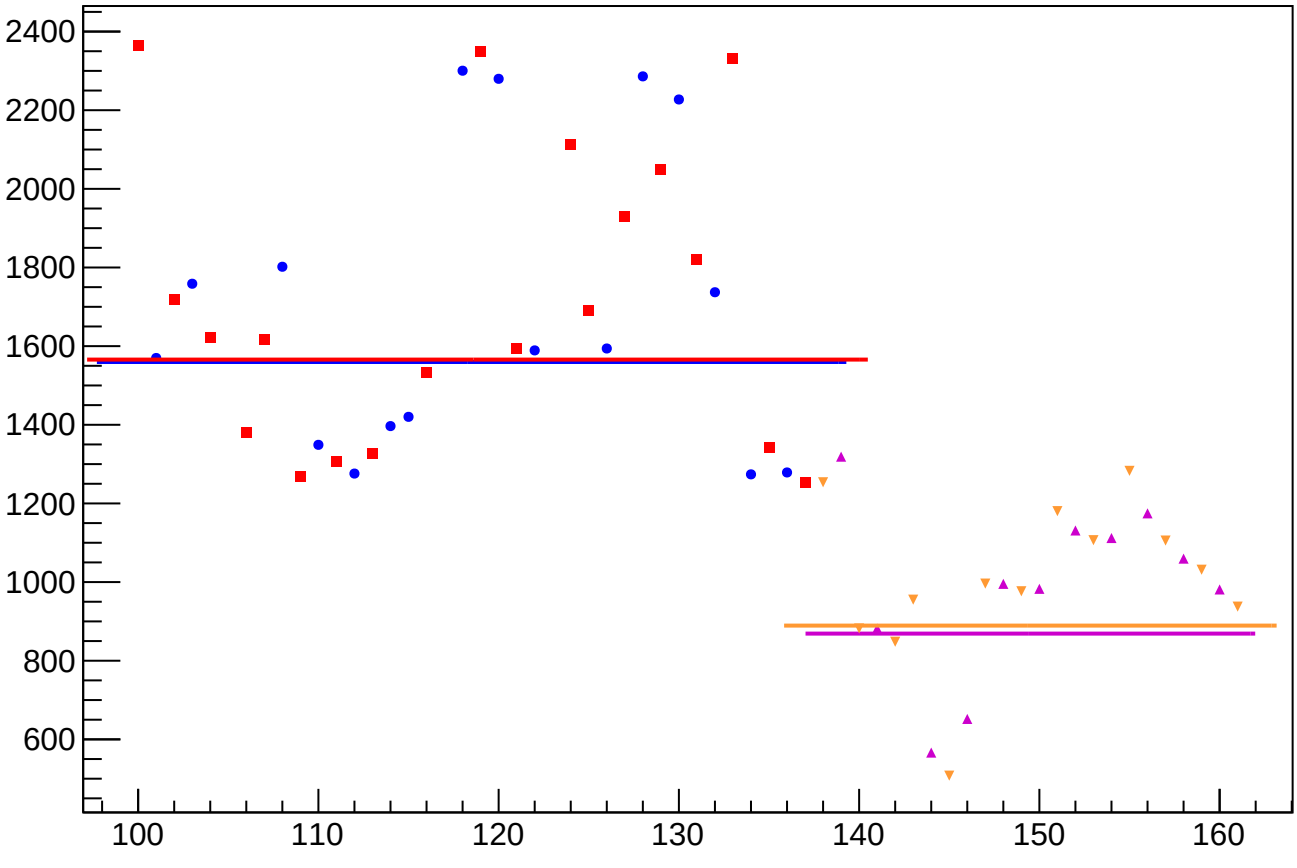
Left: -605.582+/-205.559 χ^2/NDF: 54.7/23

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -37.796+/-263.418 χ^2/NDF:34.0/26

Out: -795.961+/-258.322 χ^2/NDF:63.8/31

All: -424.283+/-184.437 χ^2/NDF: 102.0/58



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 889.334+/-0.204 χ^2/NDF:1499717.0/12

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 868.979+/-0.208 χ^2/NDF:1277204.6/10

Left: 879.362+/-0.145 χ^2/NDF: 2781822.7/23

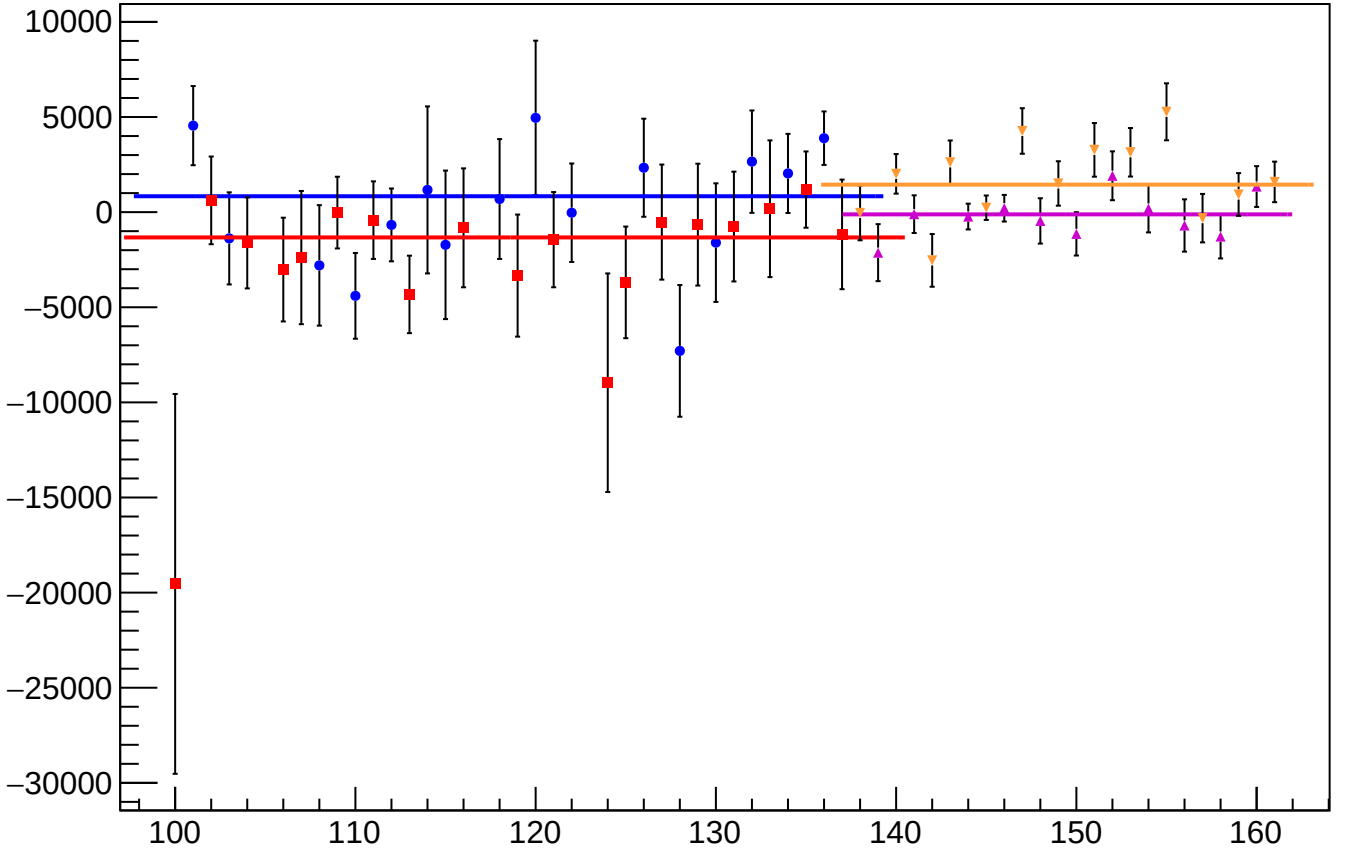
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1003.999+/-0.186 χ^2/NDF:4044168.0/26

Out: 1020.876+/-0.183 χ^2/NDF:4211942.9/31

All: 1012.602+/-0.130 χ^2/NDF: 8260295.5/58

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1445.058+/-310.081 χ^2/NDF:31.9/12

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -117.497+/-307.851 χ^2/NDF:8.6/10

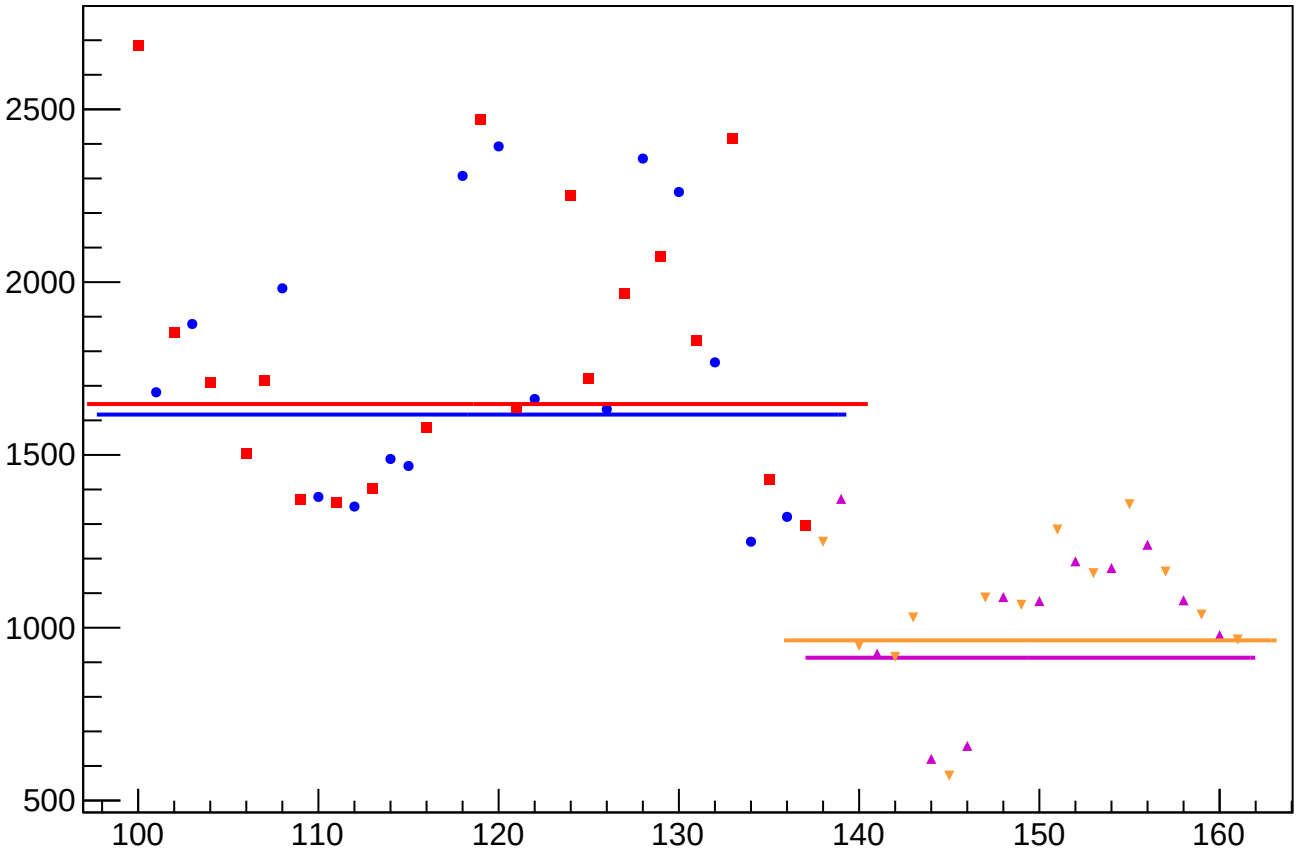
Left: 658.141+/-218.468 χ^2/NDF: 53.3/23

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 71.585+/-275.624 χ^2/NDF:35.4/26

Out: 884.757+/-277.008 χ^2/NDF:60.2/31

All: 476.134+/-195.383 χ^2/NDF: 99.9/58



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 963.418+/-0.219 χ^2/NDF:1214352.0/12

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 913.183+/-0.218 χ^2/NDF:1253908.3/10

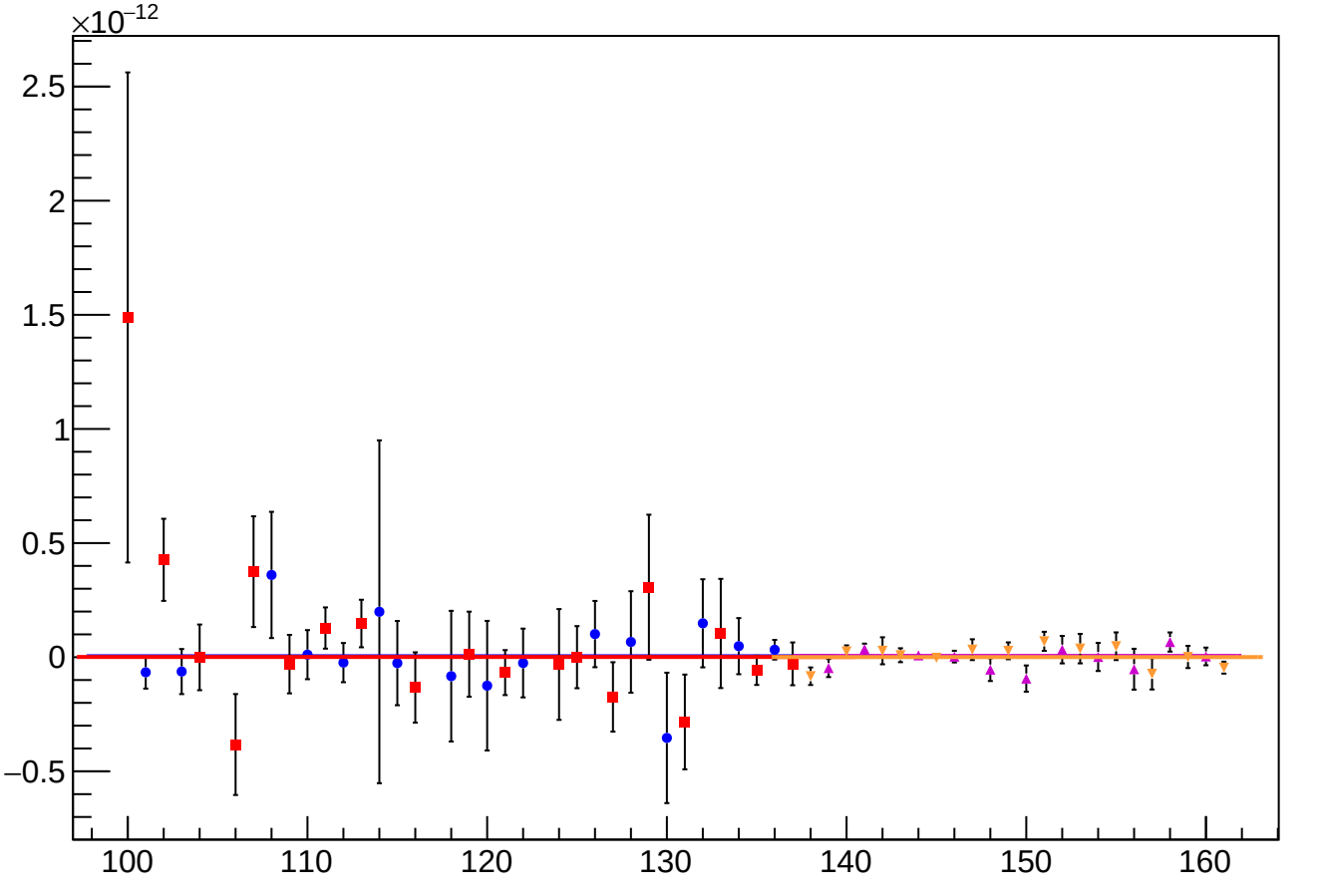
Left: 938.119+/-0.154 χ^2/NDF: 2494695.4/23

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1052.788+/-0.195 χ^2/NDF:3949122.7/26

Out: 1101.506+/-0.196 χ^2/NDF:3702347.2/31

All: 1077.025+/-0.138 χ^2/NDF: 7682556.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

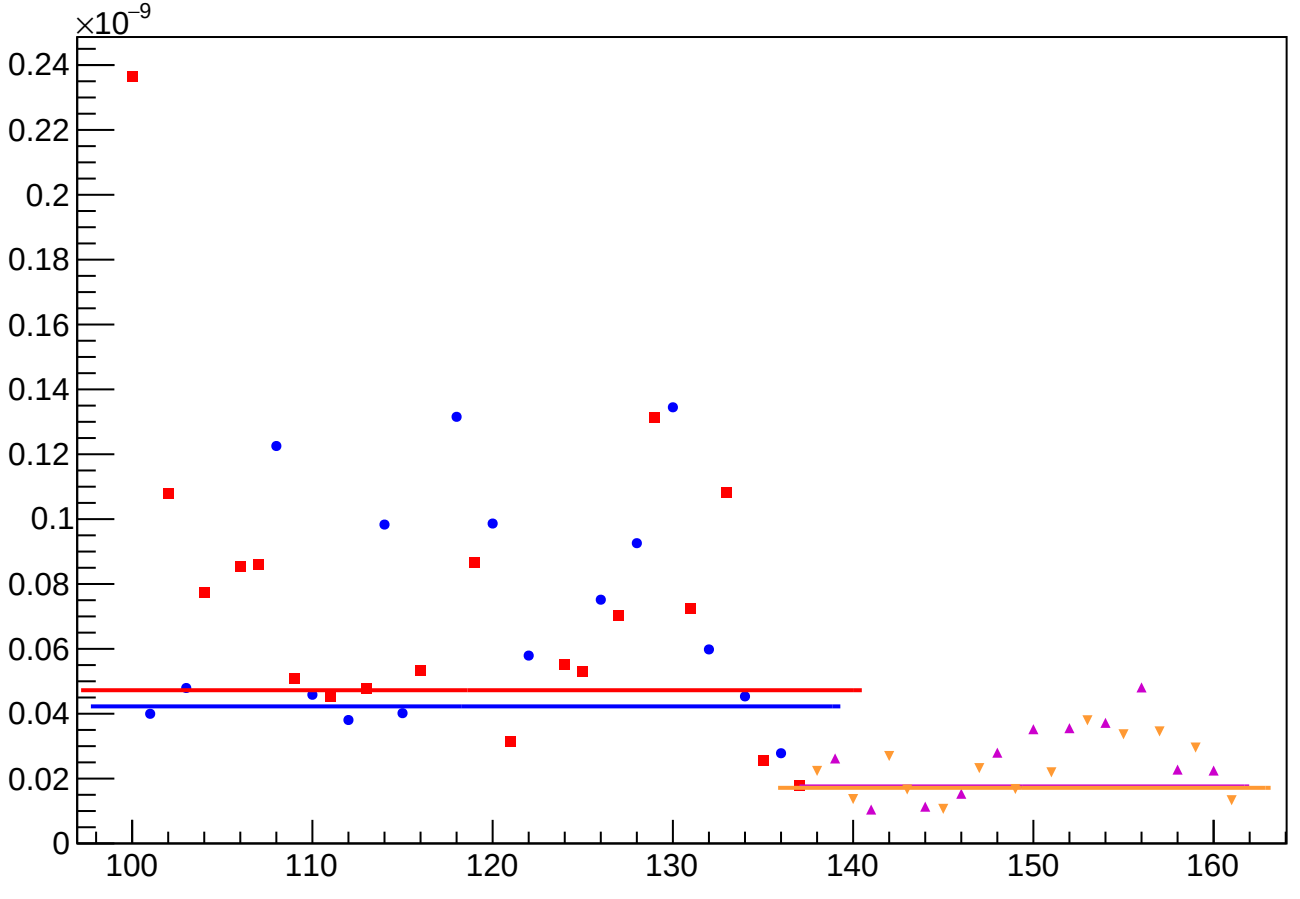
Left: 0.000+/-0.000 χ^2/NDF: 25.6/23

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:17.4/26

Out: 0.000+/-0.000 χ^2/NDF:38.3/31

All: 0.000+/-0.000 χ^2/NDF: 55.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1092342.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1478271.1/10

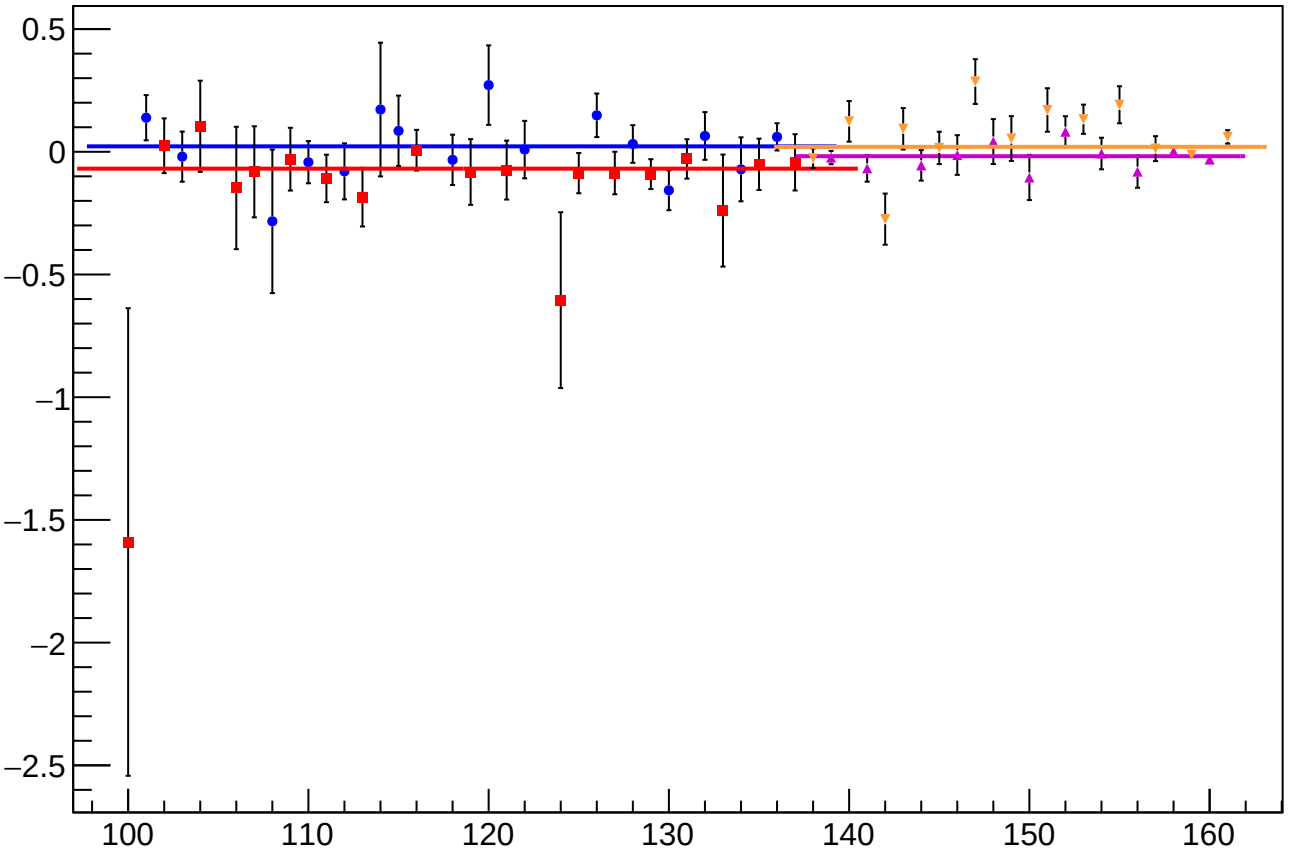
Left: 0.000+/-0.000 χ^2/NDF: 2572526.0/23

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4065088.4/26

Out: 0.000+/-0.000 χ^2/NDF:4294924.1/31

All: 0.000+/-0.000 χ^2/NDF: 8365806.1/58



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/10

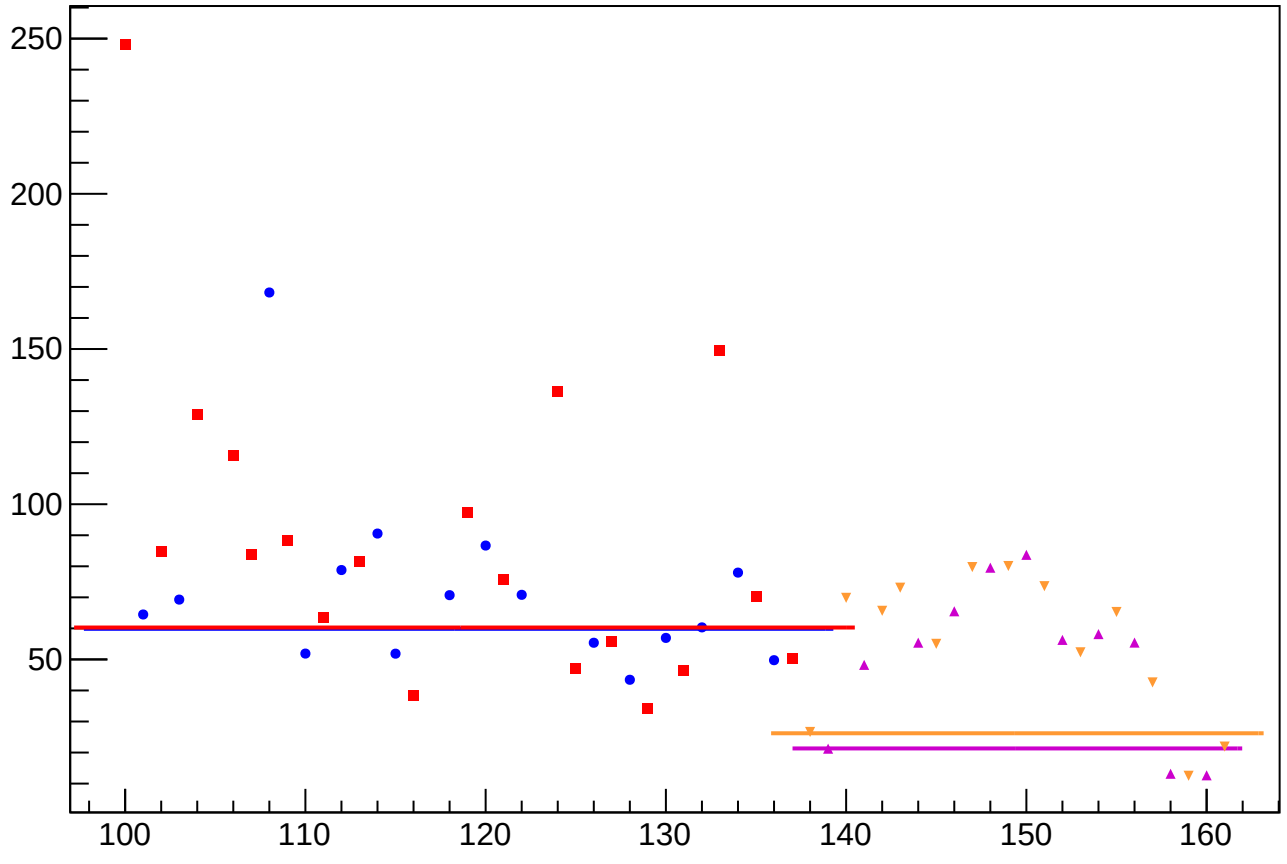
Left: -0.002+/-0.007 χ^2/NDF: 53.4/23

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: 0.006+/-0.010 χ^2/NDF:58.4/31

All: -0.005+/-0.007 χ^2/NDF: 86.2/58



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.211+/-0.008 χ^2/NDF:6549456.9/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

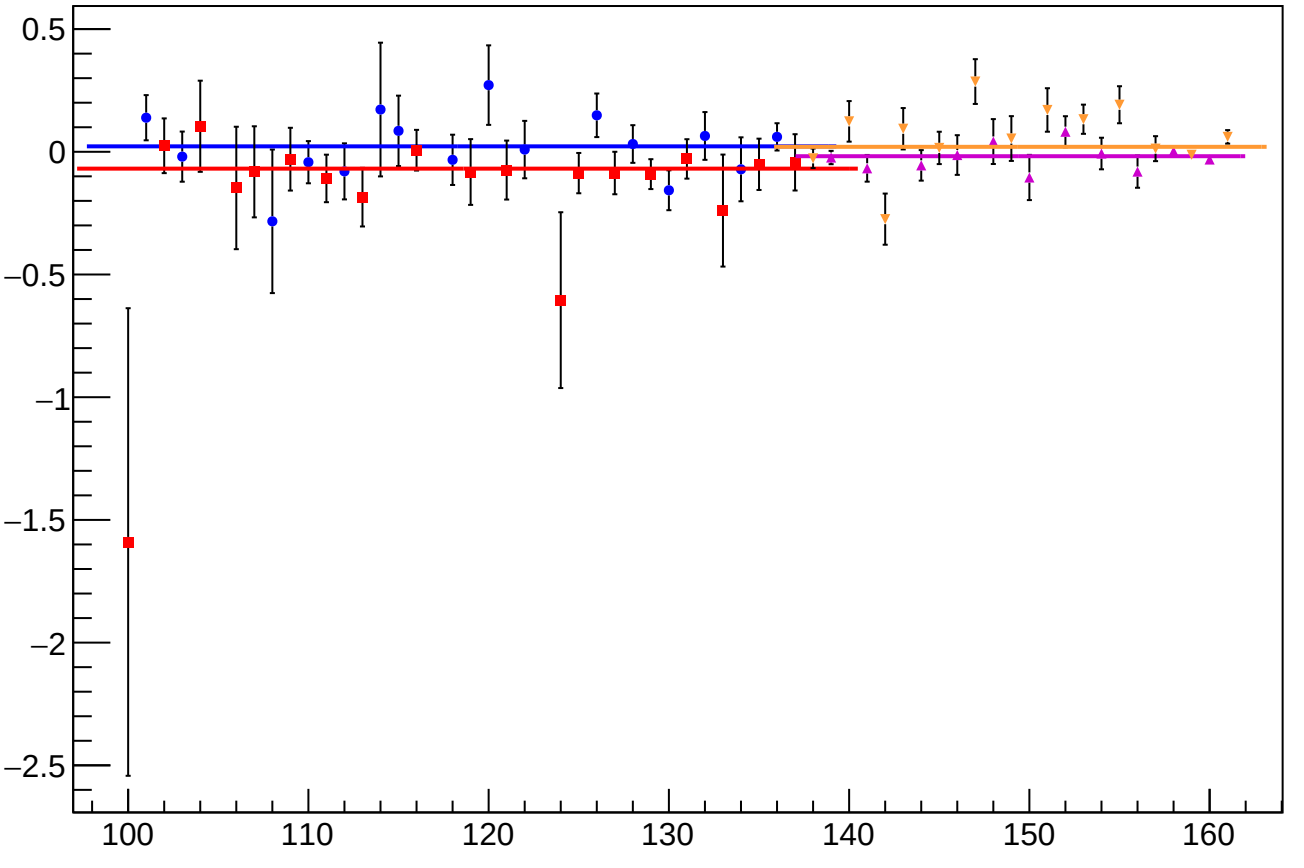
Left: 23.405+/-0.005 χ^2/NDF: 13070986.7/23

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.443+/-0.006 χ^2/NDF:11234332.7/26

Out: 31.811+/-0.007 χ^2/NDF:11562092.1/31

All: 28.778+/-0.005 χ^2/NDF: 23106470.6/58



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/10

Left: -0.002+/-0.007 χ^2/NDF: 53.4/23

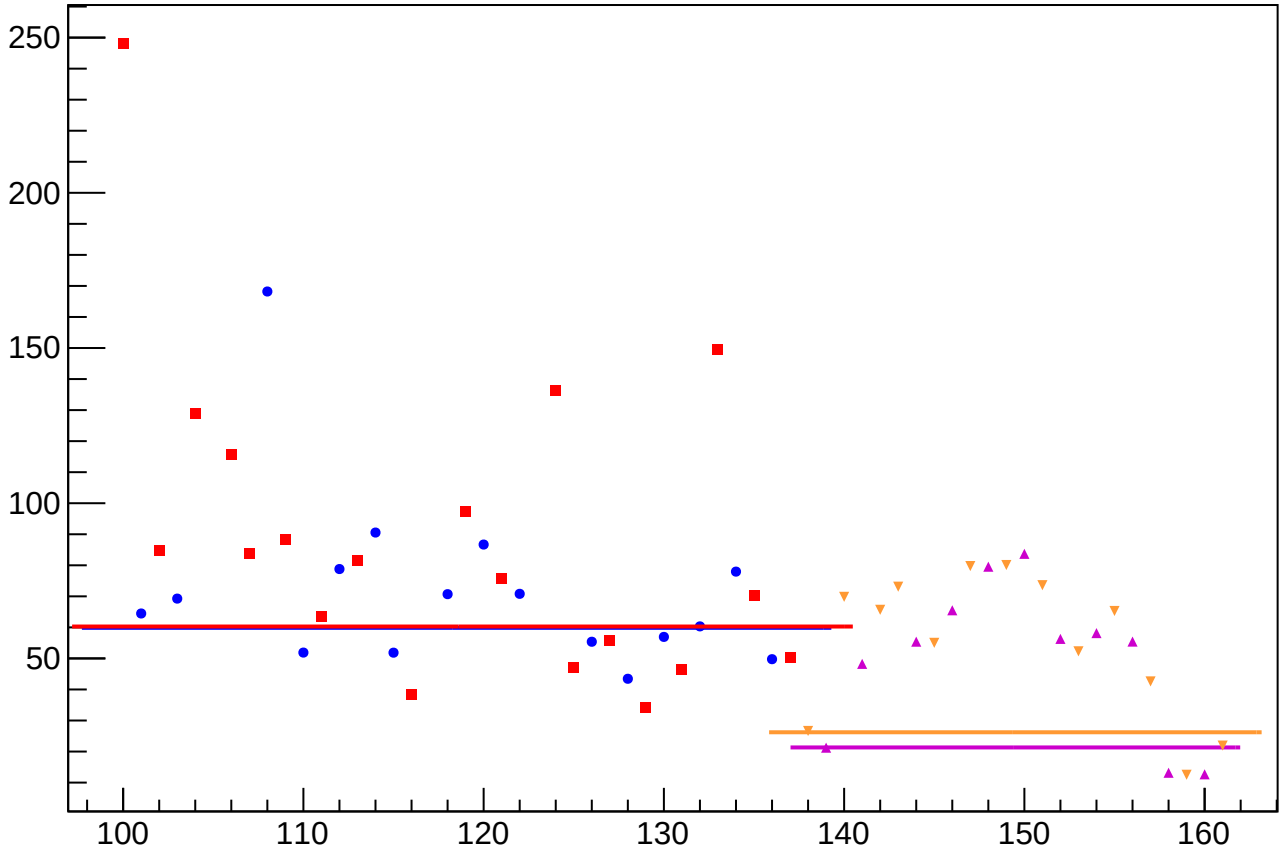
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: 0.006+/-0.010 χ^2/NDF:58.4/31

All: -0.005+/-0.007 χ^2/NDF: 86.2/58

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.211+/-0.008 χ^2/NDF:6549456.9/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

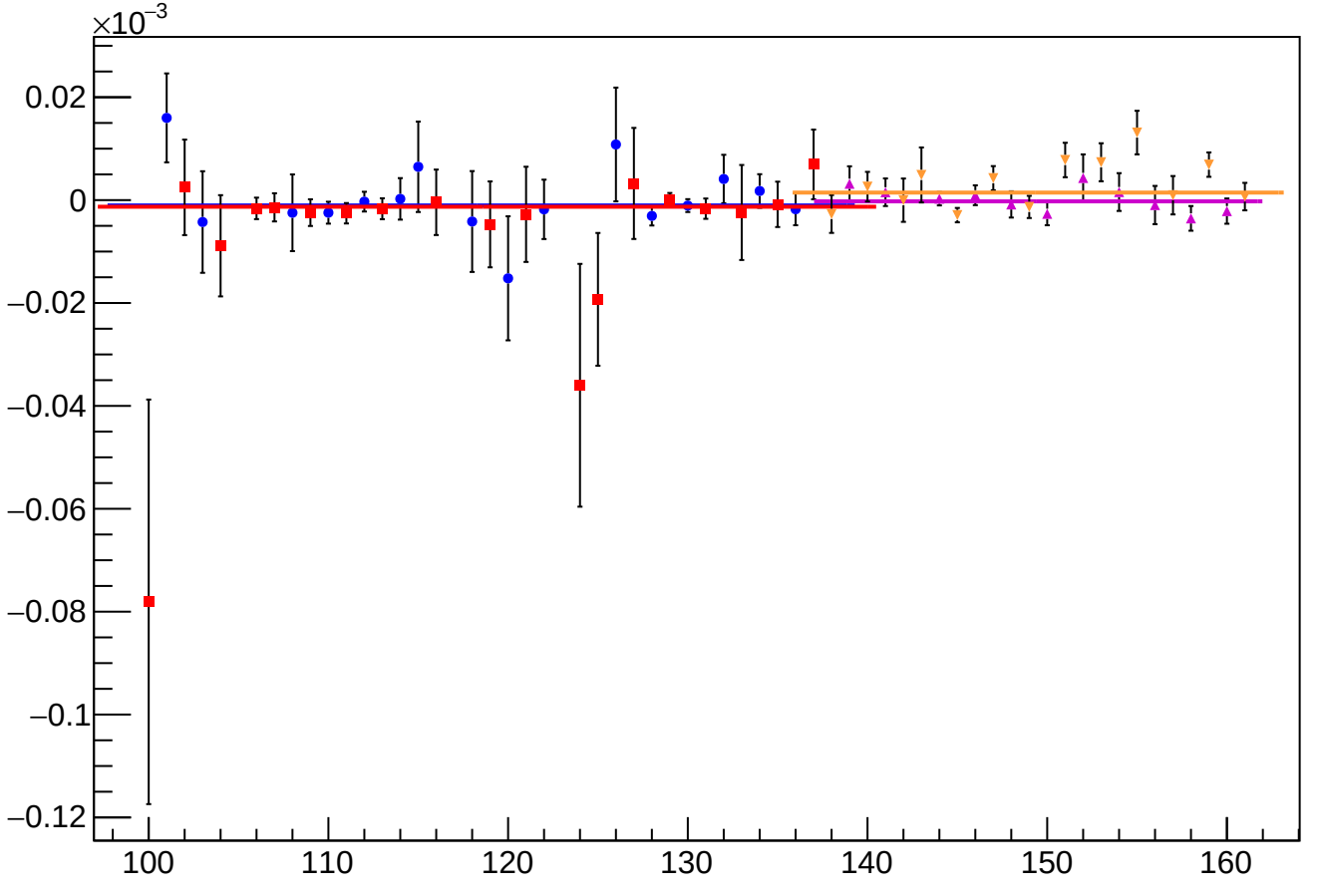
Left: 23.405+/-0.005 χ^2/NDF: 13070986.7/23

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.443+/-0.006 χ^2/NDF:11234332.7/26

Out: 31.811+/-0.007 χ^2/NDF:11562092.1/31

All: 28.778+/-0.005 χ^2/NDF: 23106470.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/10

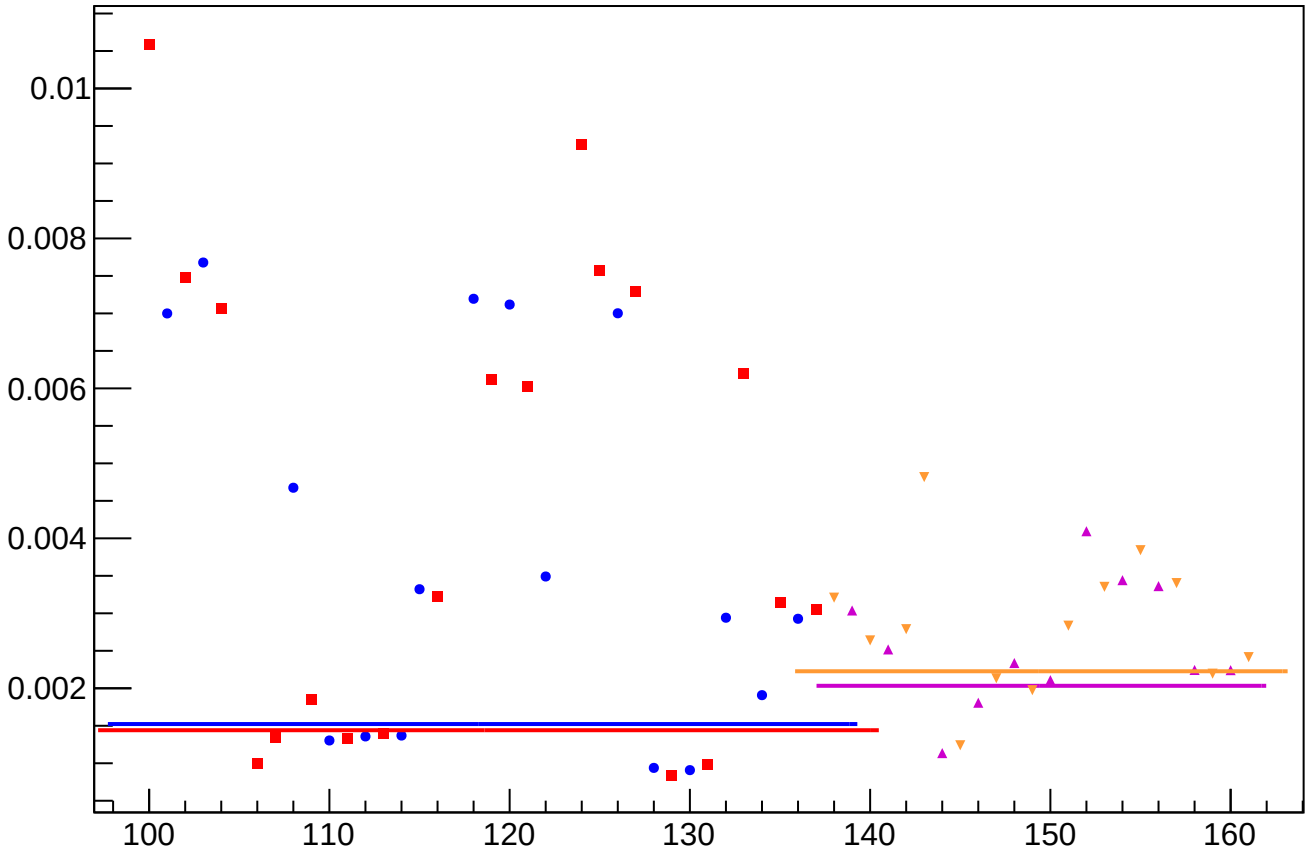
Left: 0.000+/-0.000 χ^2/NDF: 43.7/23

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/26

Out: 0.000+/-0.000 χ^2/NDF:53.7/31

All: -0.000+/-0.000 χ^2/NDF: 73.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2467353.4/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2228196.6/10

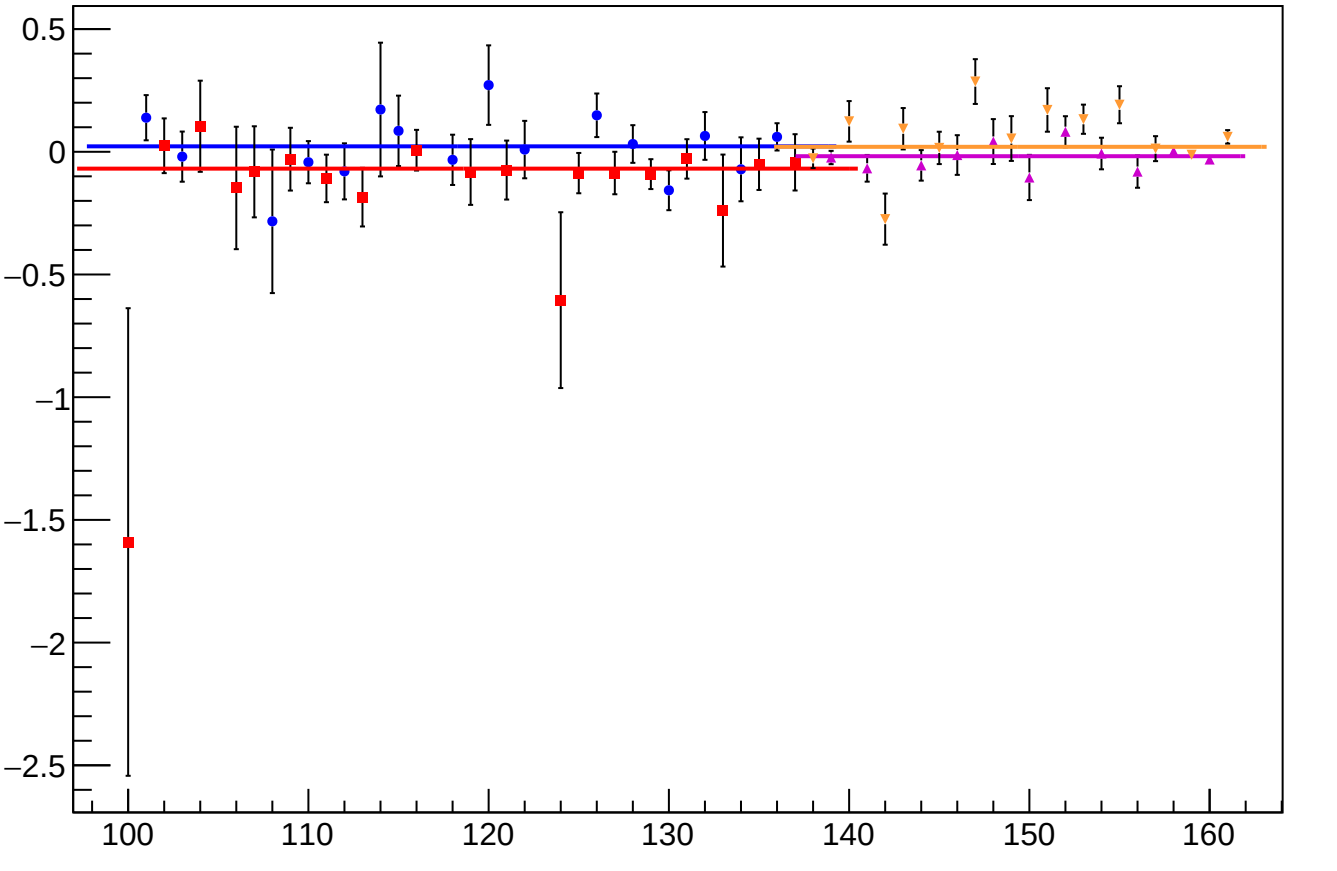
Left: 0.002+/-0.000 χ^2/NDF: 4766242.3/23

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7905137.7/26

Out: 0.002+/-0.000 χ^2/NDF:9441434.2/31

All: 0.002+/-0.000 χ^2/NDF: 17348354.6/58



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/10

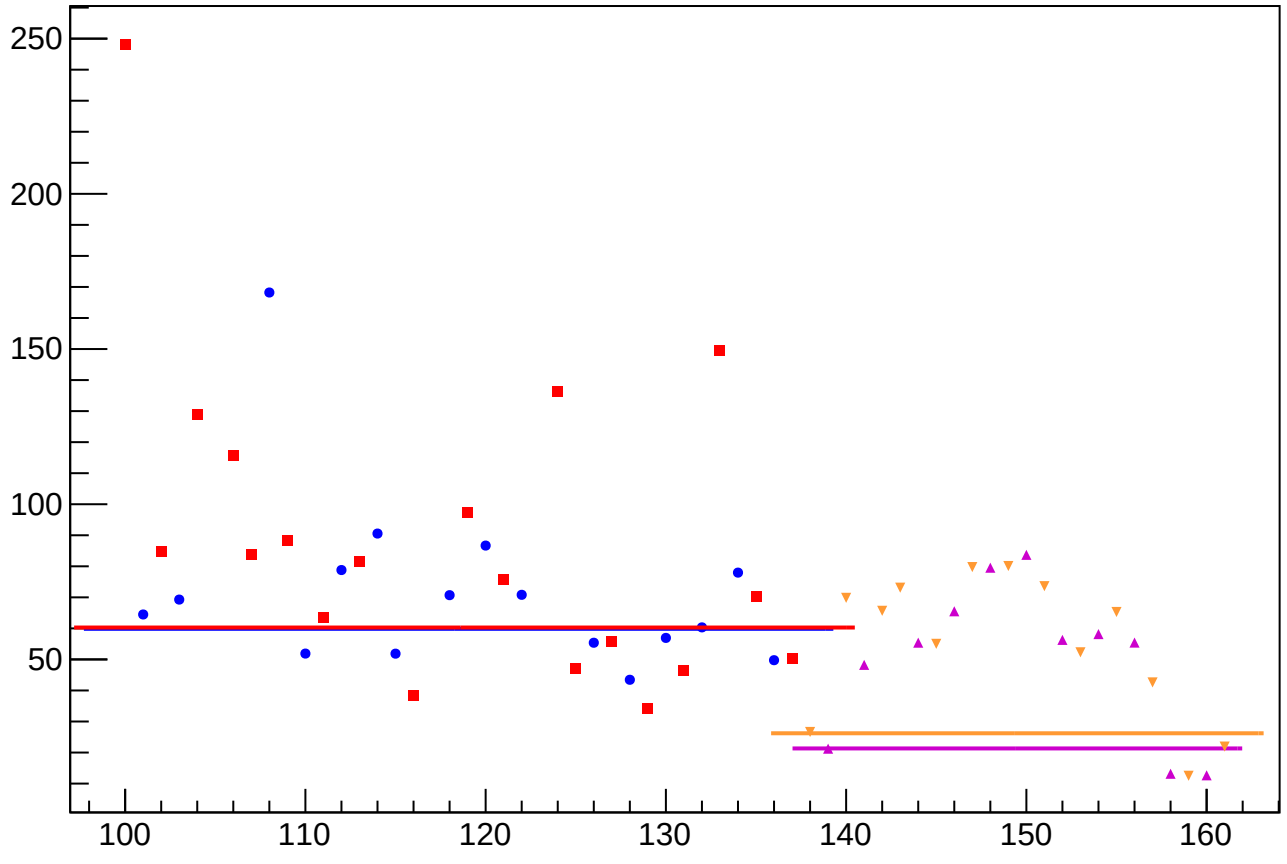
Left: -0.002+/-0.007 χ^2/NDF: 53.4/23

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: 0.006+/-0.010 χ^2/NDF:58.4/31

All: -0.005+/-0.007 χ^2/NDF: 86.2/58



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.209+/-0.008 χ^2/NDF:6550353.6/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

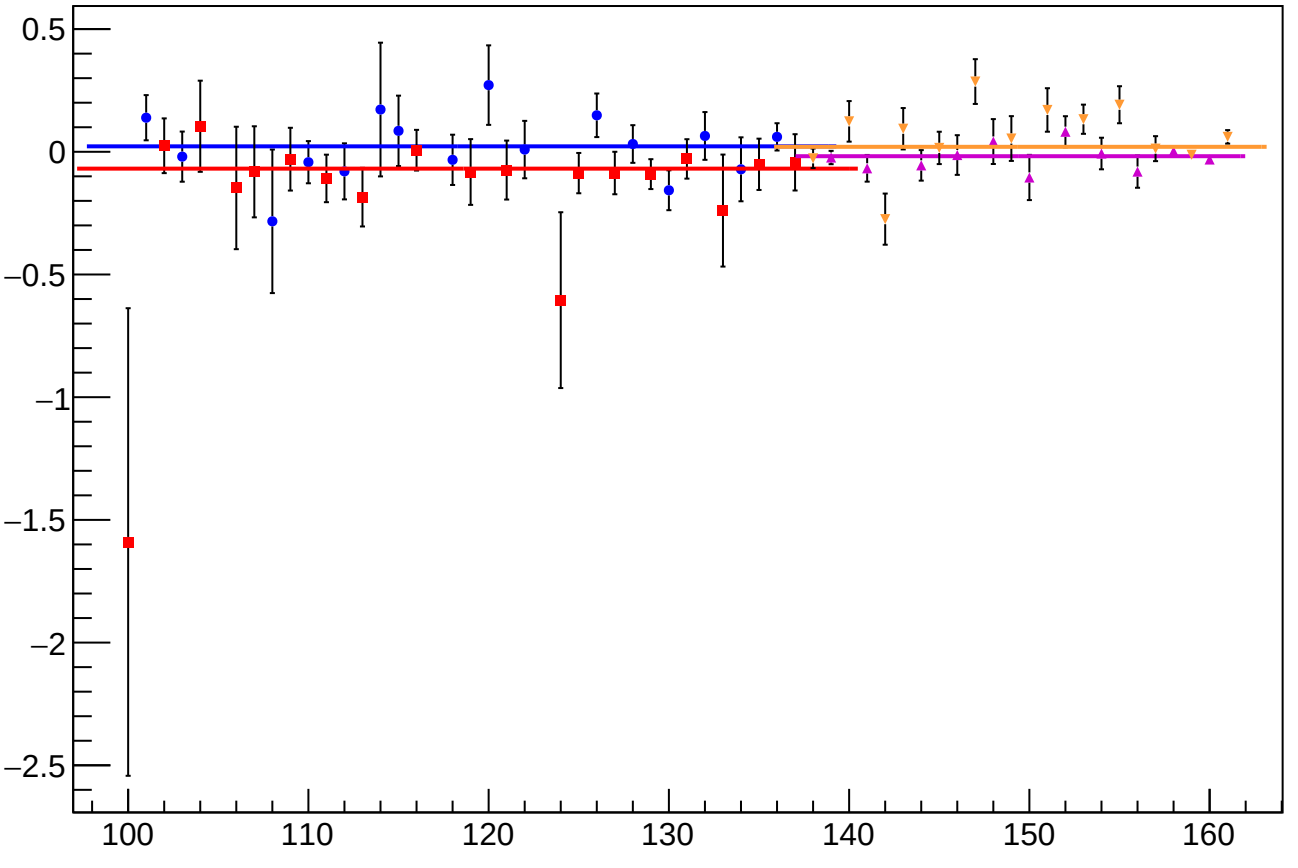
Left: 23.404+/-0.005 χ^2/NDF: 13072050.0/23

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.442+/-0.006 χ^2/NDF:11234925.9/26

Out: 31.809+/-0.007 χ^2/NDF:11563558.0/31

All: 28.777+/-0.005 χ^2/NDF: 23108360.8/58



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/10

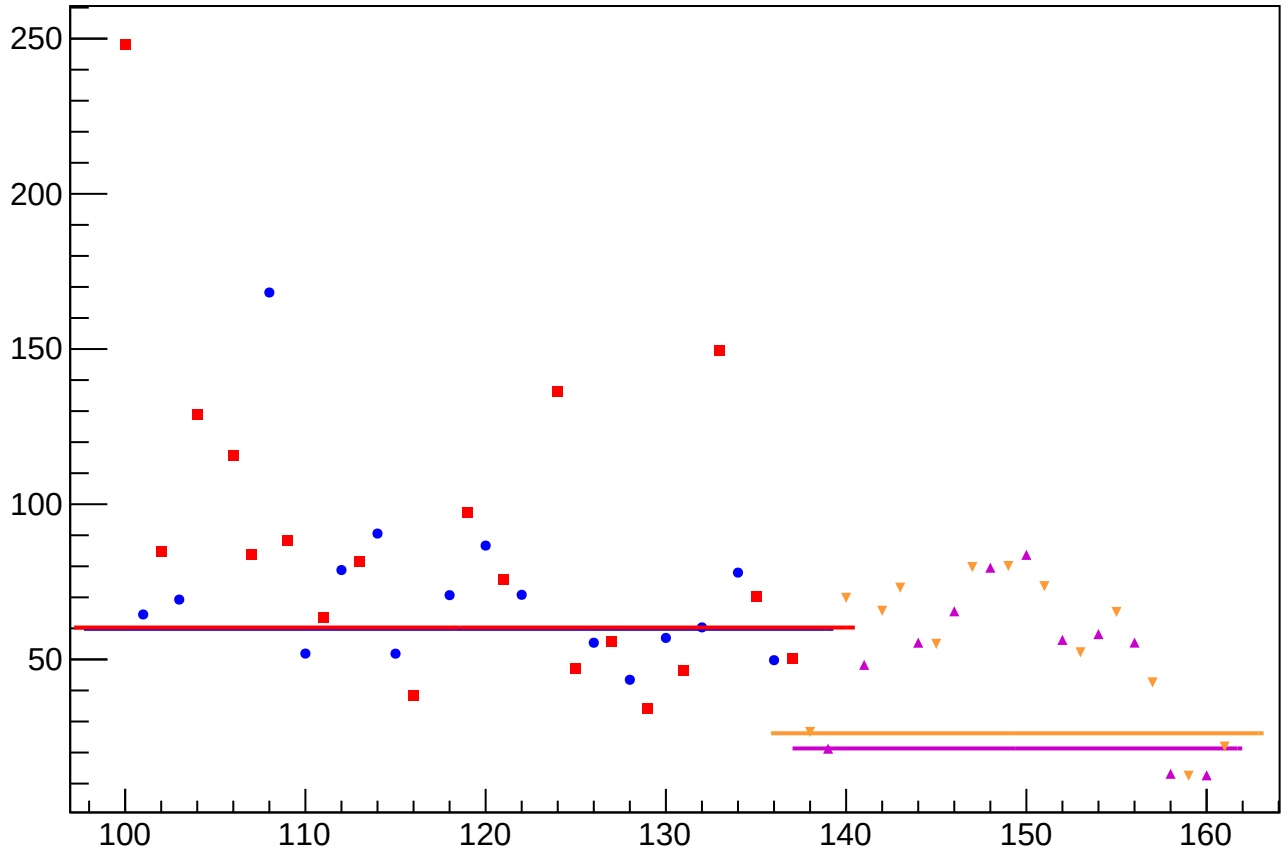
Left: -0.002+/-0.007 χ^2/NDF: 53.4/23

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/26

Out: 0.006+/-0.010 χ^2/NDF:58.4/31

All: -0.005+/-0.007 χ^2/NDF: 86.2/58



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.209+/-0.008 χ^2/NDF:6550353.6/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

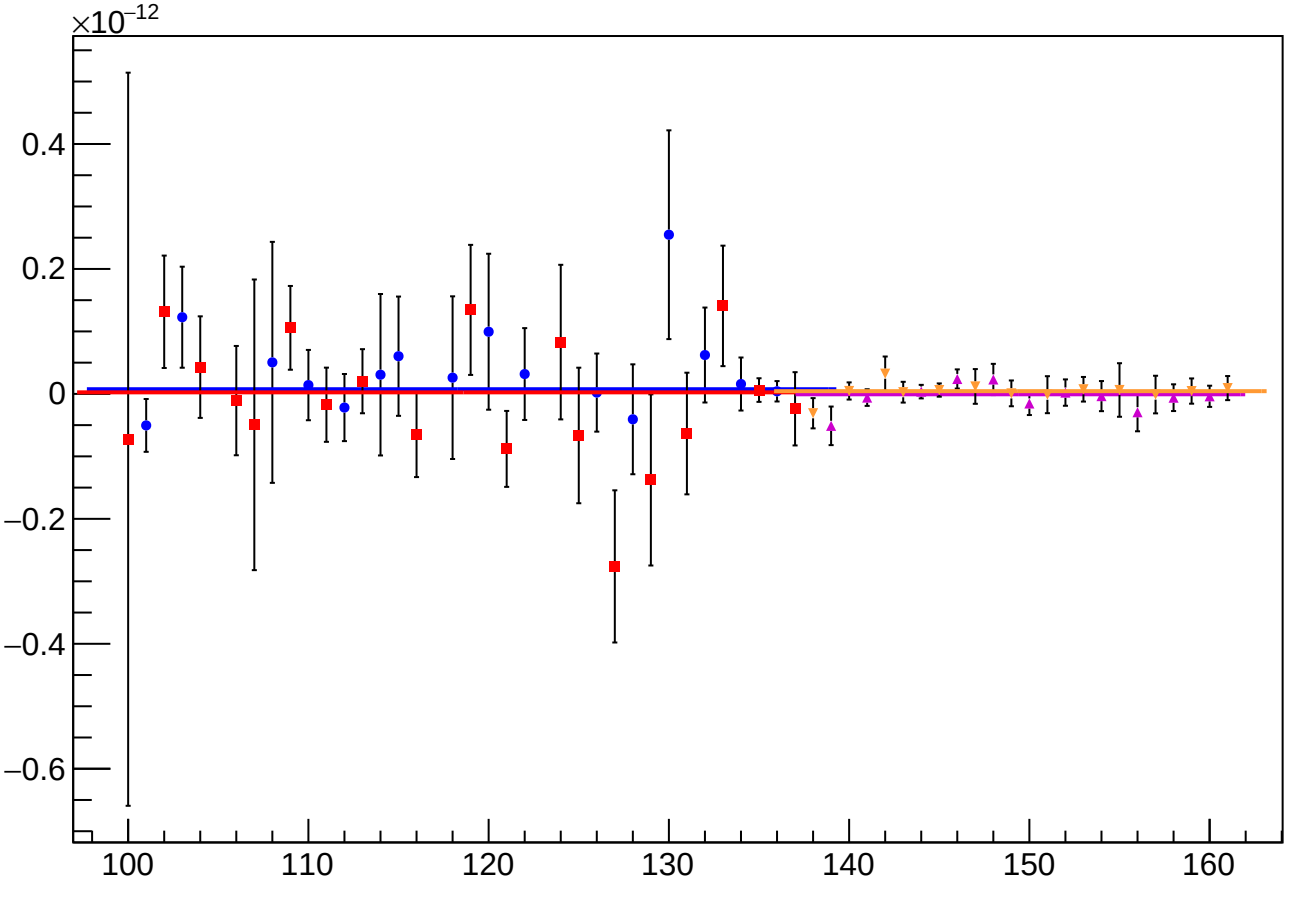
Left: 23.404+/-0.005 χ^2/NDF: 13072050.0/23

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.442+/-0.006 χ^2/NDF:11234925.9/26

Out: 31.809+/-0.007 χ^2/NDF:11563558.0/31

All: 28.777+/-0.005 χ^2/NDF: 23108360.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/10

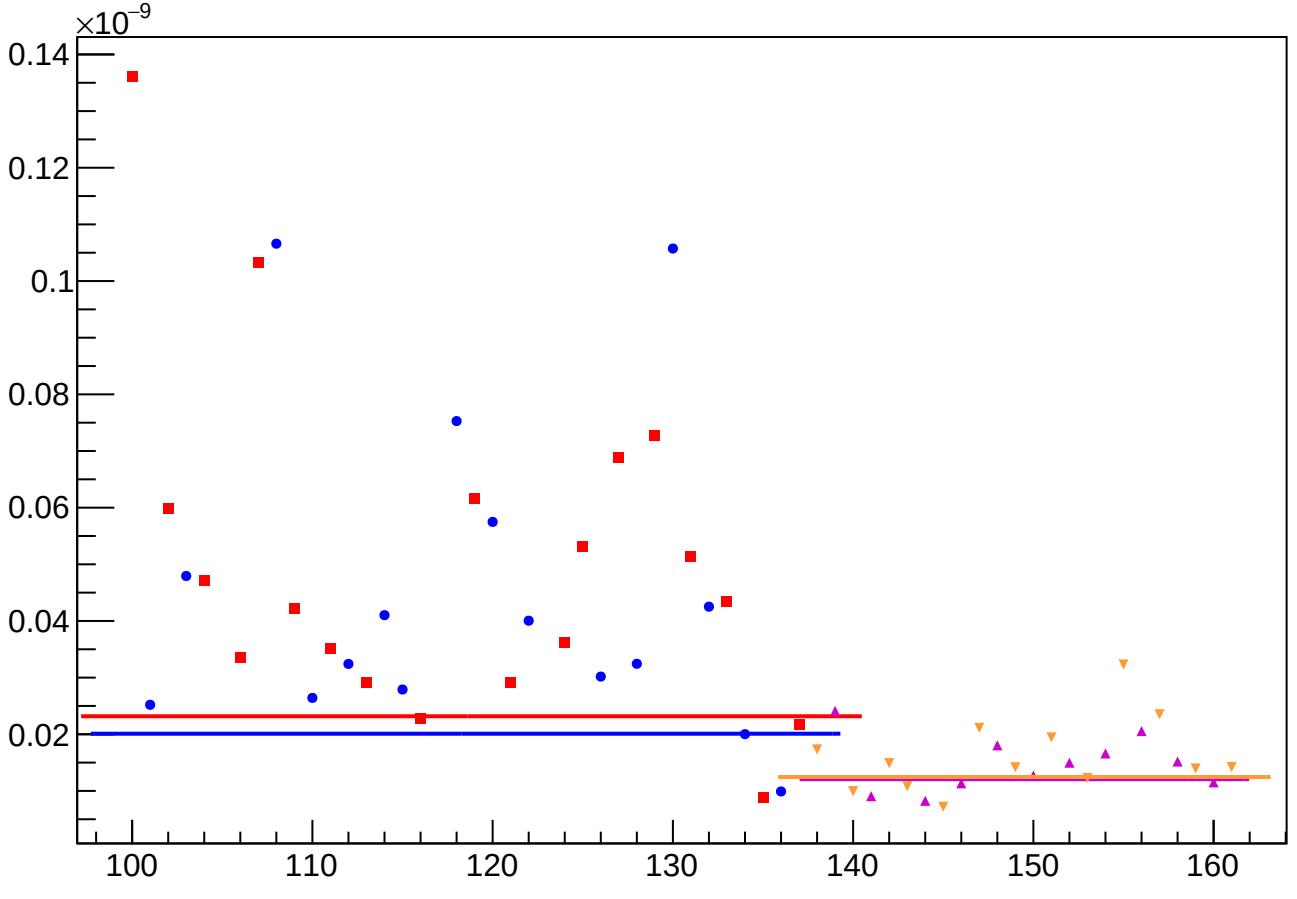
Left: 0.000+/-0.000 χ^2/NDF: 12.0/23

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:16.8/26

Out: 0.000+/-0.000 χ^2/NDF:23.2/31

All: 0.000+/-0.000 χ^2/NDF: 40.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719790.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1084112.5/10

Left: 0.000+/-0.000 χ^2/NDF: 2809102.1/23

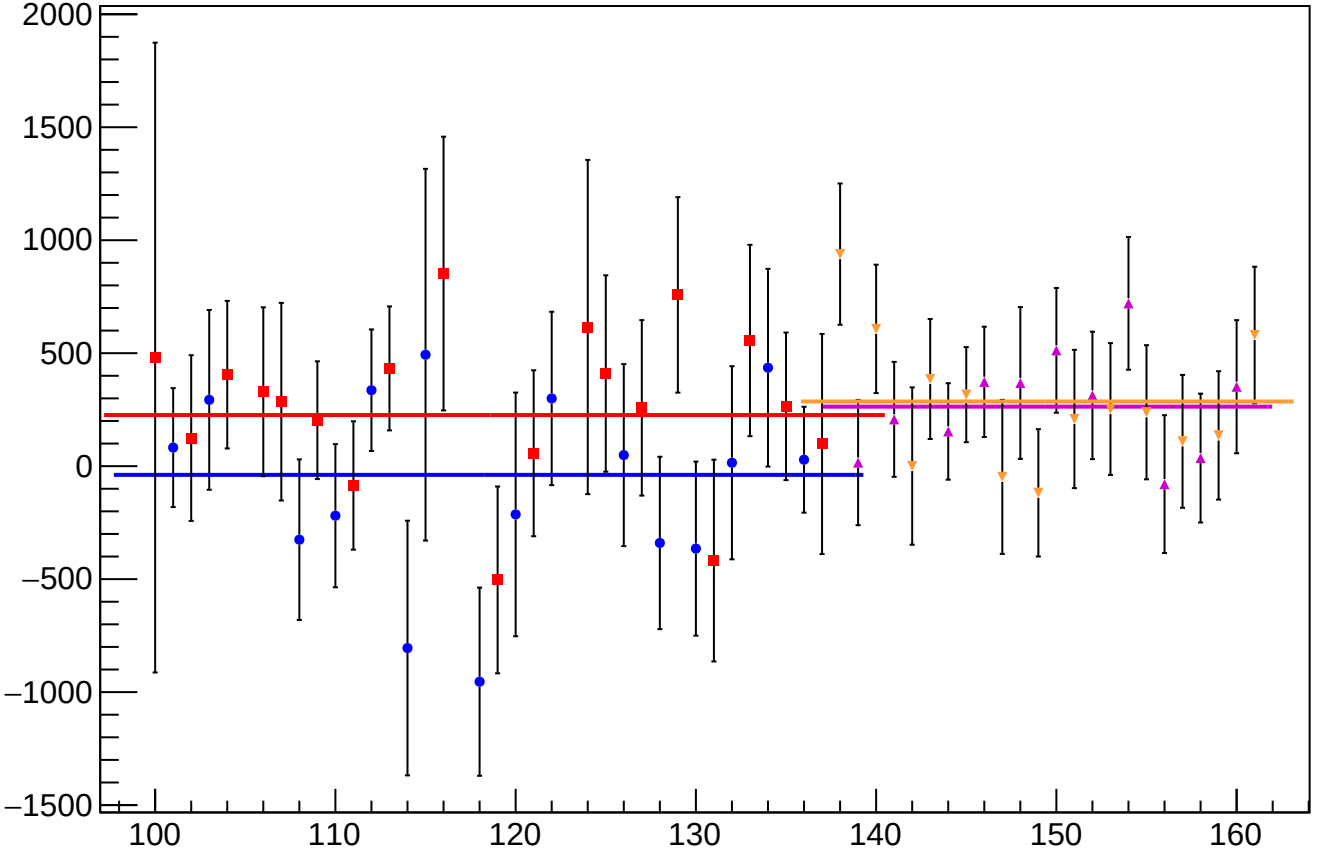
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4936334.1/26

Out: 0.000+/-0.000 χ^2/NDF:6337309.1/31

All: 0.000+/-0.000 χ^2/NDF: 11284855.1/58

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 286.213+/-79.670 χ^2/NDF:11.2/12

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 263.336+/-82.231 χ^2/NDF:6.7/10

Left: 275.136+/-57.219 χ^2/NDF: 17.9/23

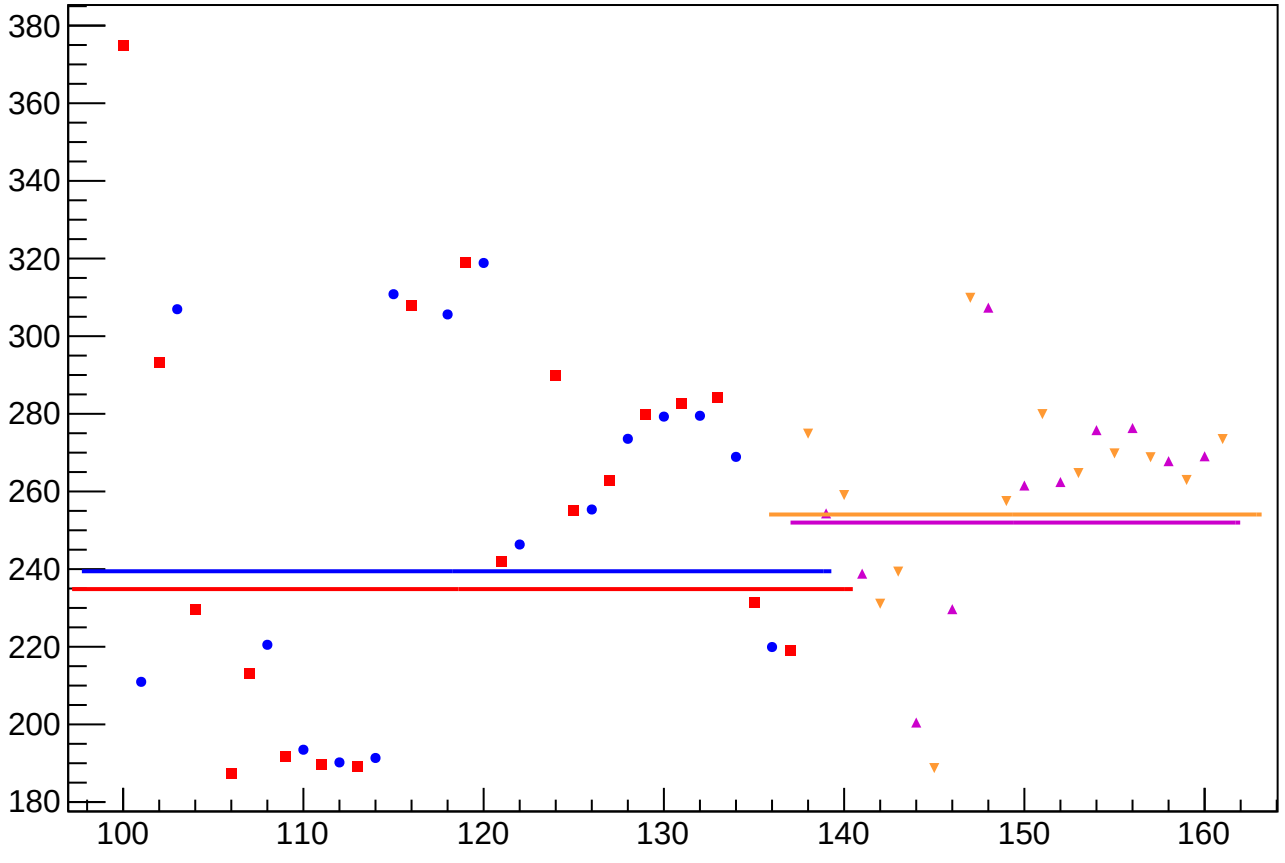
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 127.031+/-60.896 χ^2/NDF:27.2/26

Out: 259.135+/-59.033 χ^2/NDF:22.9/31

All: 195.134+/-42.386 χ^2/NDF: 52.5/58

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.3/10

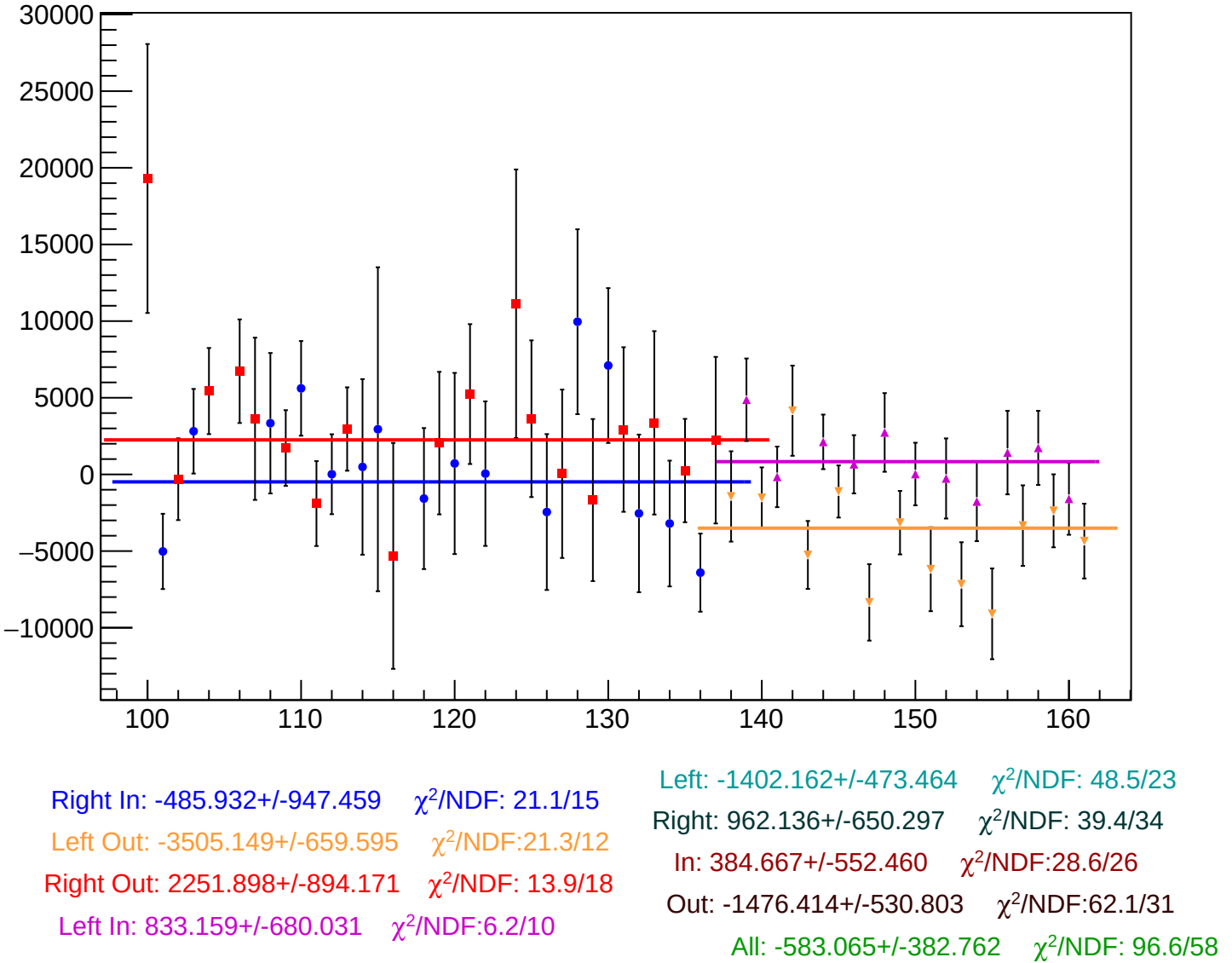
Left: 253.061+/-0.040 χ^2/NDF: 546163.6/23

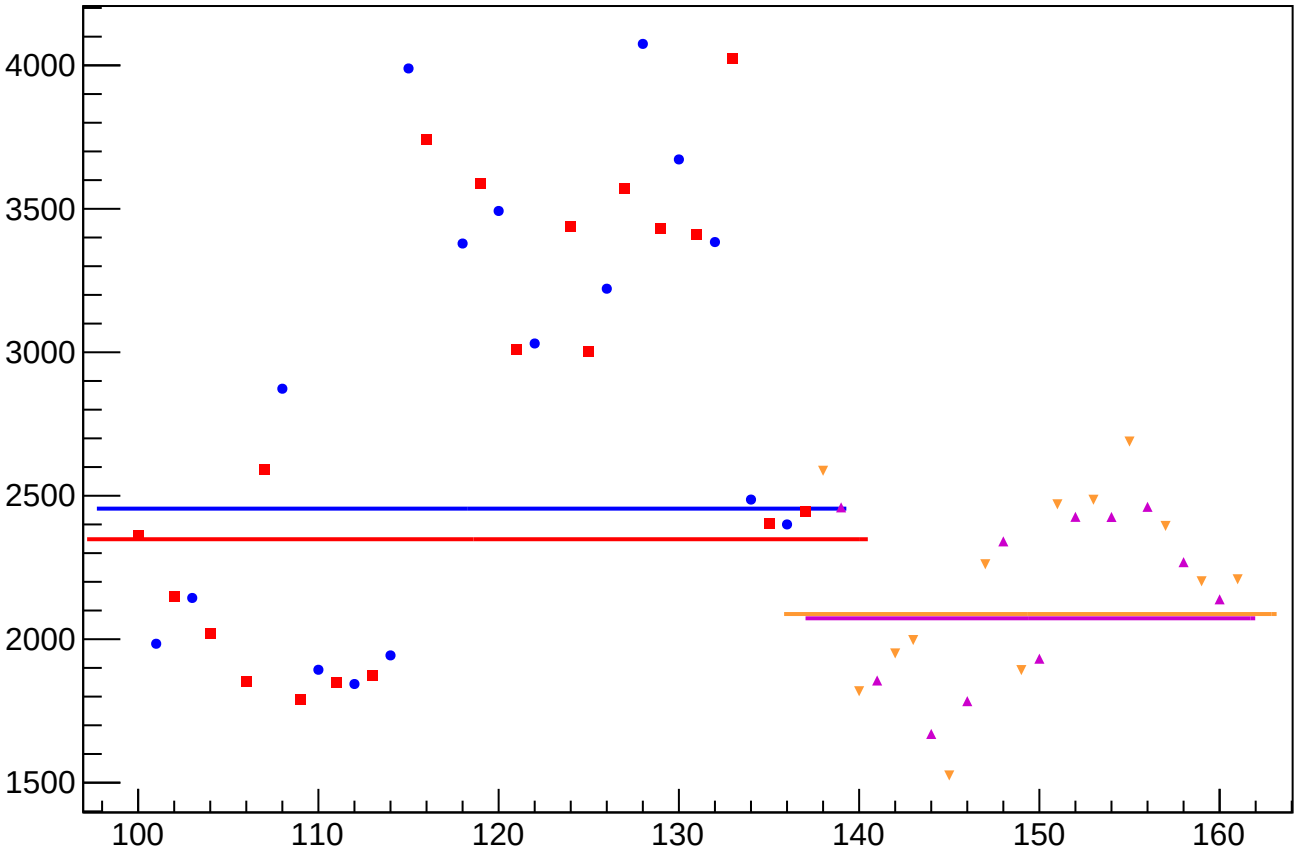
Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 246.325+/-0.043 χ^2/NDF:658727.3/26

Out: 245.404+/-0.042 χ^2/NDF:842904.3/31

All: 245.850+/-0.030 χ^2/NDF: 1501867.7/58


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -485.932+/-947.459 χ²/NDF: 21.1/15
Left Out: -3505.149+/-659.595 χ²/NDF:21.3/12
Right Out: 2251.898+/-894.171 χ²/NDF: 13.9/18
Left In: 833.159+/-680.031 χ²/NDF:6.2/10
Left: -1402.162+/-473.464 χ²/NDF: 48.5/23
Right: 962.136+/-650.297 χ²/NDF: 39.4/34
In: 384.667+/-552.460 χ²/NDF:28.6/26
Out: -1476.414+/-530.803 χ²/NDF:62.1/31
All: -583.065+/-382.762 χ²/NDF: 96.6/58



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548996.6/12

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2072.882+/-0.481 χ^2/NDF:374716.3/10

Left: 2080.553+/-0.335 χ^2/NDF: 924206.7/23

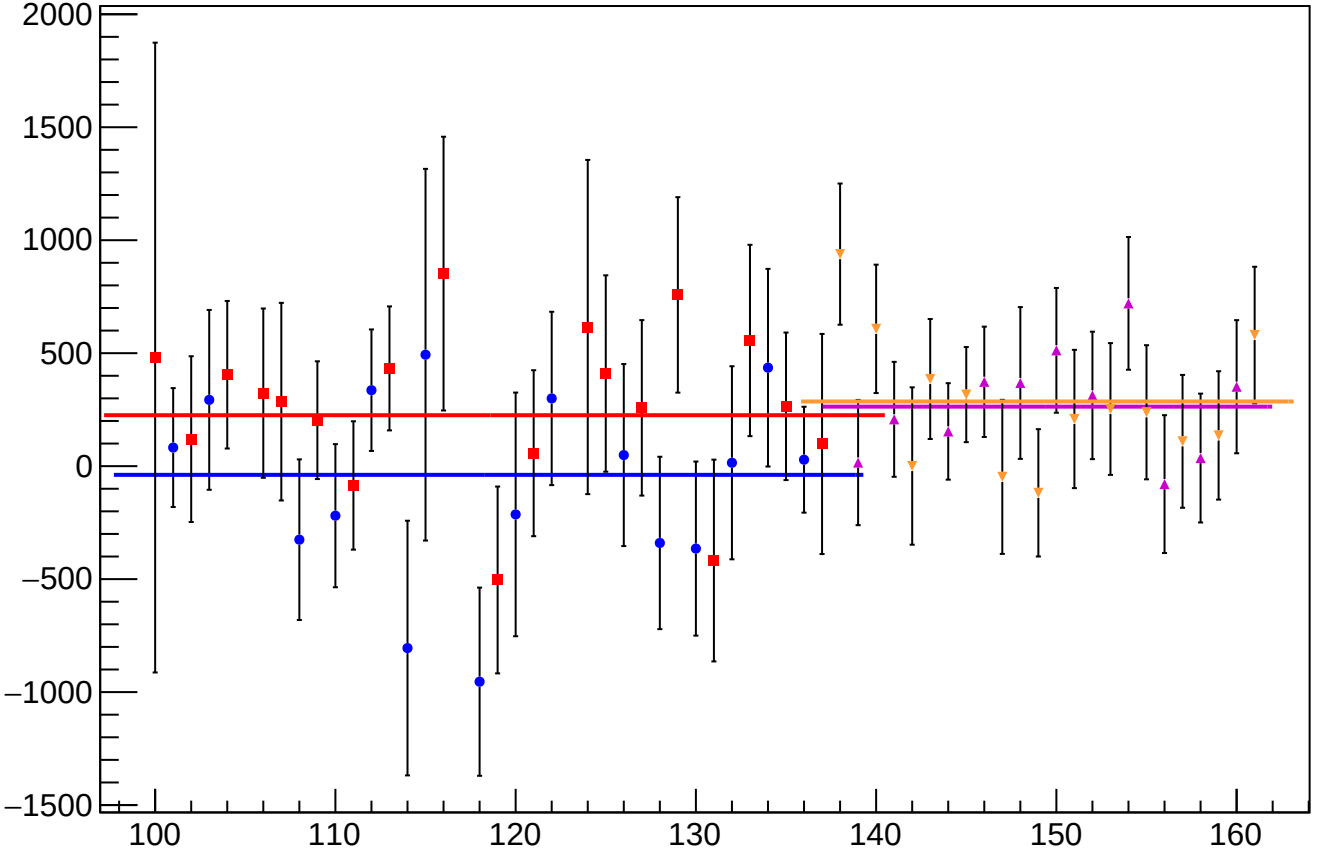
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2202.838+/-0.391 χ^2/NDF:1483928.9/26

Out: 2179.630+/-0.375 χ^2/NDF:1711497.5/31

All: 2190.770+/-0.271 χ^2/NDF: 3197261.6/58

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 286.215+/-79.670 χ^2/NDF:11.2/12

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 263.345+/-82.231 χ^2/NDF:6.7/10

Left: 275.142+/-57.219 χ^2/NDF: 17.9/23

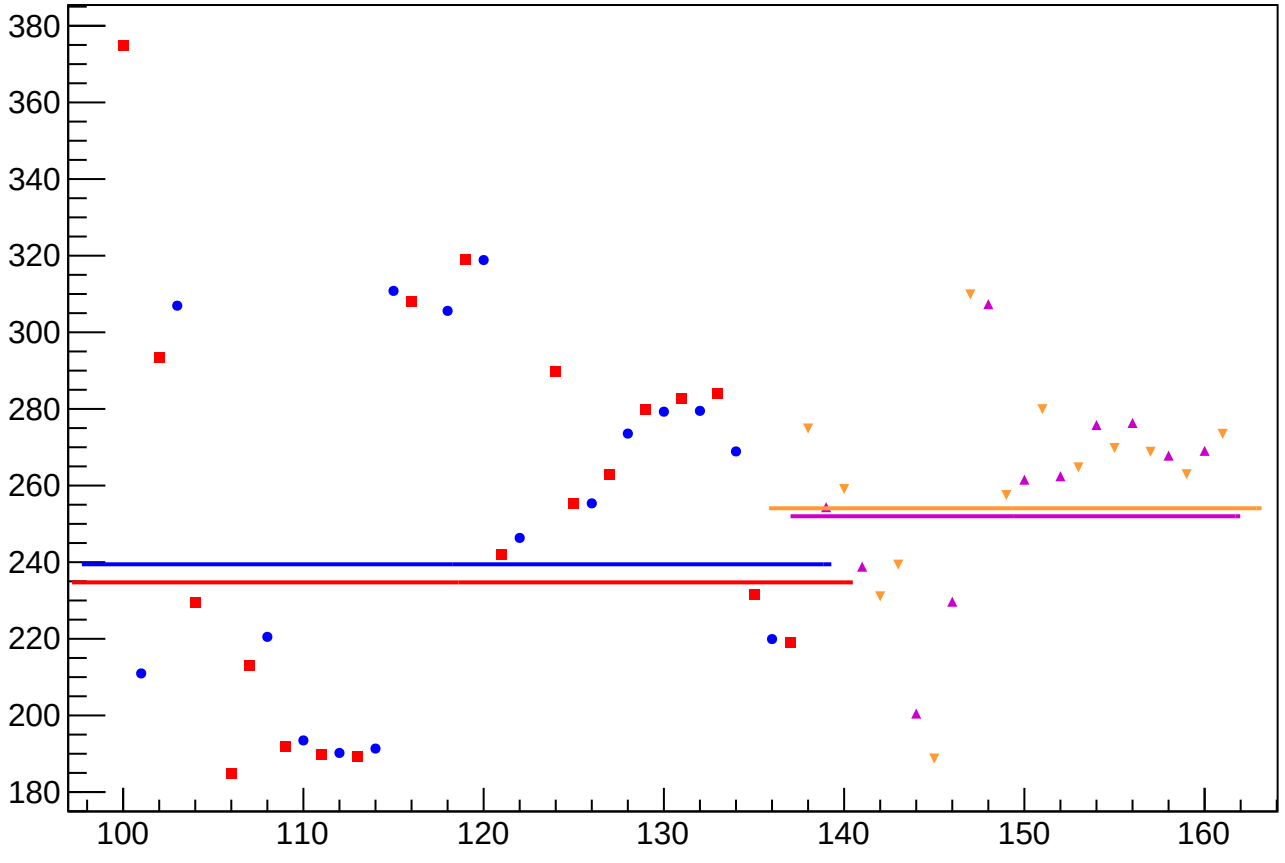
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 127.026+/-60.896 χ^2/NDF:27.2/26

Out: 258.846+/-59.038 χ^2/NDF:22.9/31

All: 194.978+/-42.388 χ^2/NDF: 52.5/58

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

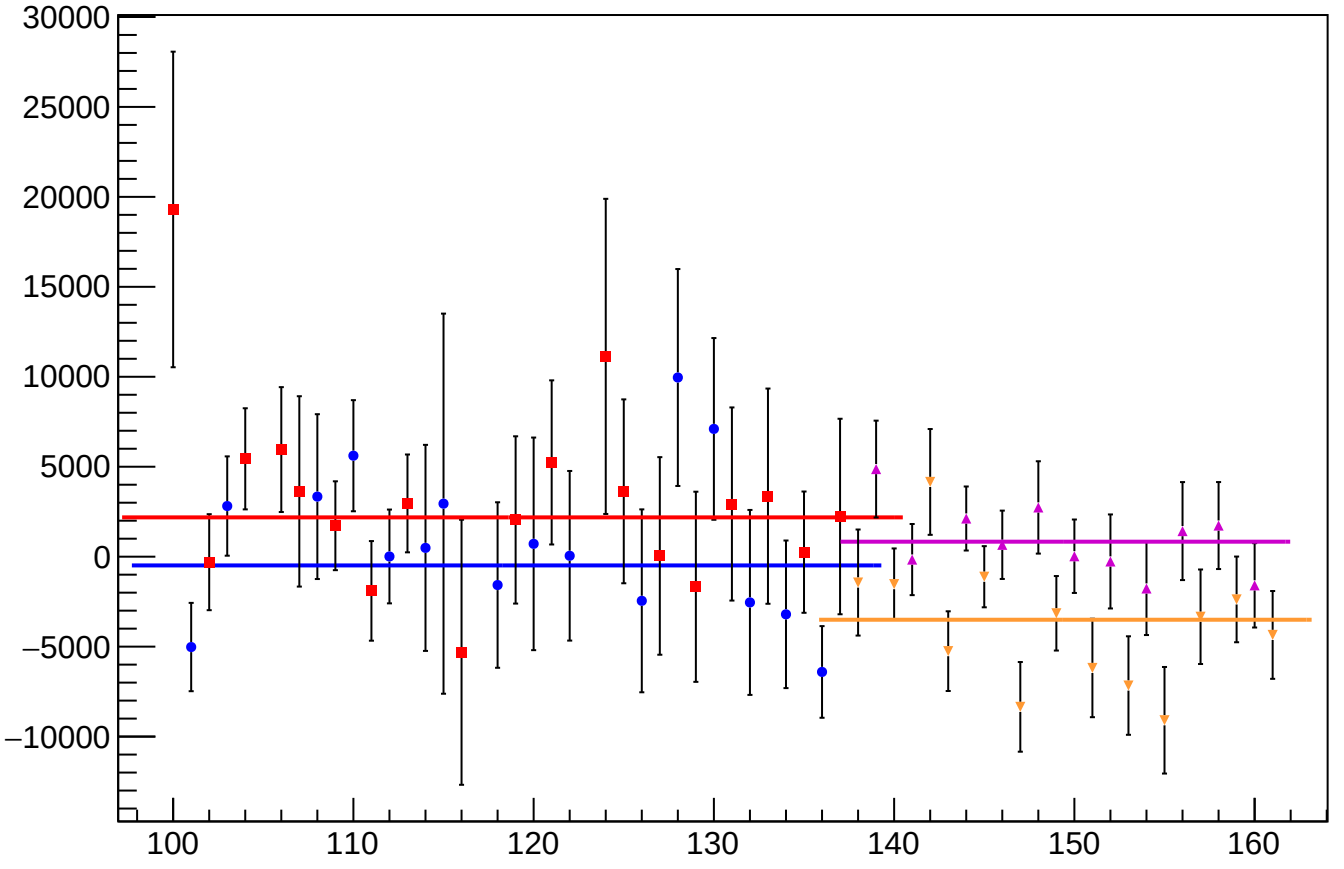
Left: 253.061+/-0.040 χ^2/NDF: 546163.6/23

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 246.325+/-0.043 χ^2/NDF:658729.5/26

Out: 245.350+/-0.042 χ^2/NDF:847085.0/31

All: 245.823+/-0.030 χ^2/NDF: 1506078.8/58



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3505.148+/-659.595 χ^2/NDF:21.3/12

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 833.179+/-680.031 χ^2/NDF:6.2/10

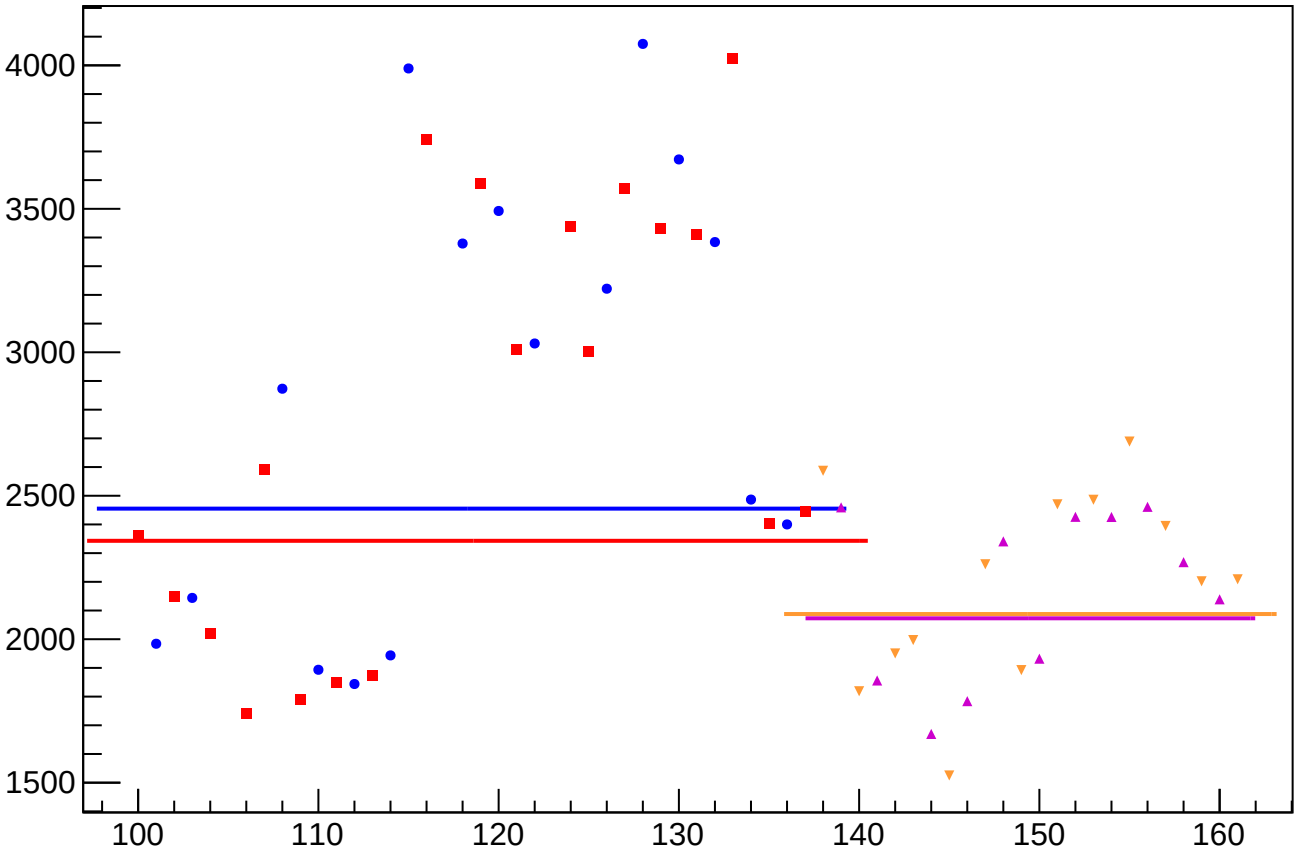
Left: -1402.152+/-473.464 χ^2/NDF: 48.5/23

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 384.627+/-552.461 χ^2/NDF:28.6/26

Out: -1504.951+/-531.156 χ^2/NDF:60.7/31

All: -597.299+/-382.895 χ^2/NDF: 95.4/58



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548999.2/12

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

Left: 2080.553+/-0.335 χ^2/NDF: 924206.7/23

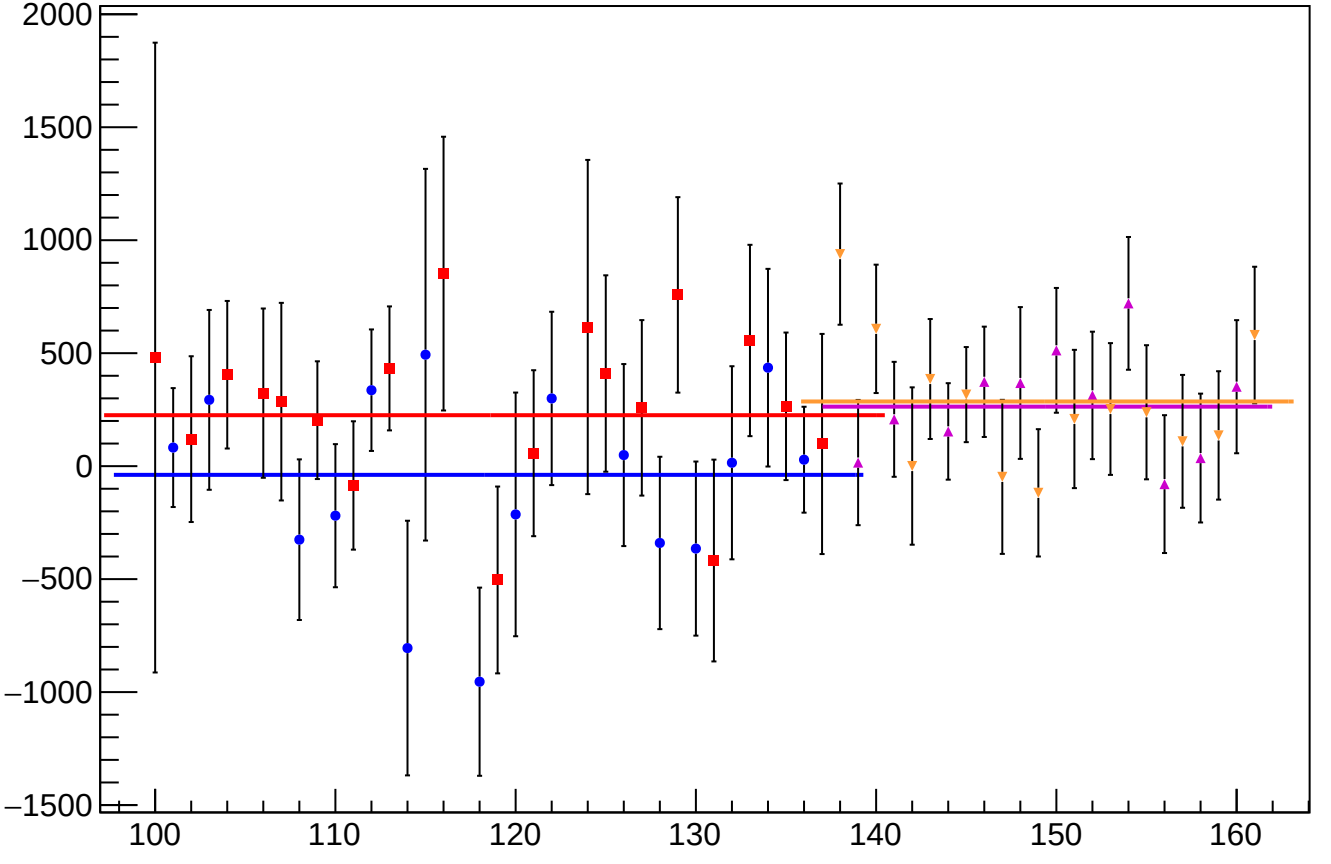
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2202.845+/-0.391 χ^2/NDF:1483919.4/26

Out: 2177.475+/-0.376 χ^2/NDF:1724619.9/31

All: 2189.661+/-0.271 χ^2/NDF: 3210731.1/58

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 286.215+/-79.670 χ^2/NDF:11.2/12

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 263.345+/-82.231 χ^2/NDF:6.7/10

Left: 275.142+/-57.219 χ^2/NDF: 17.9/23

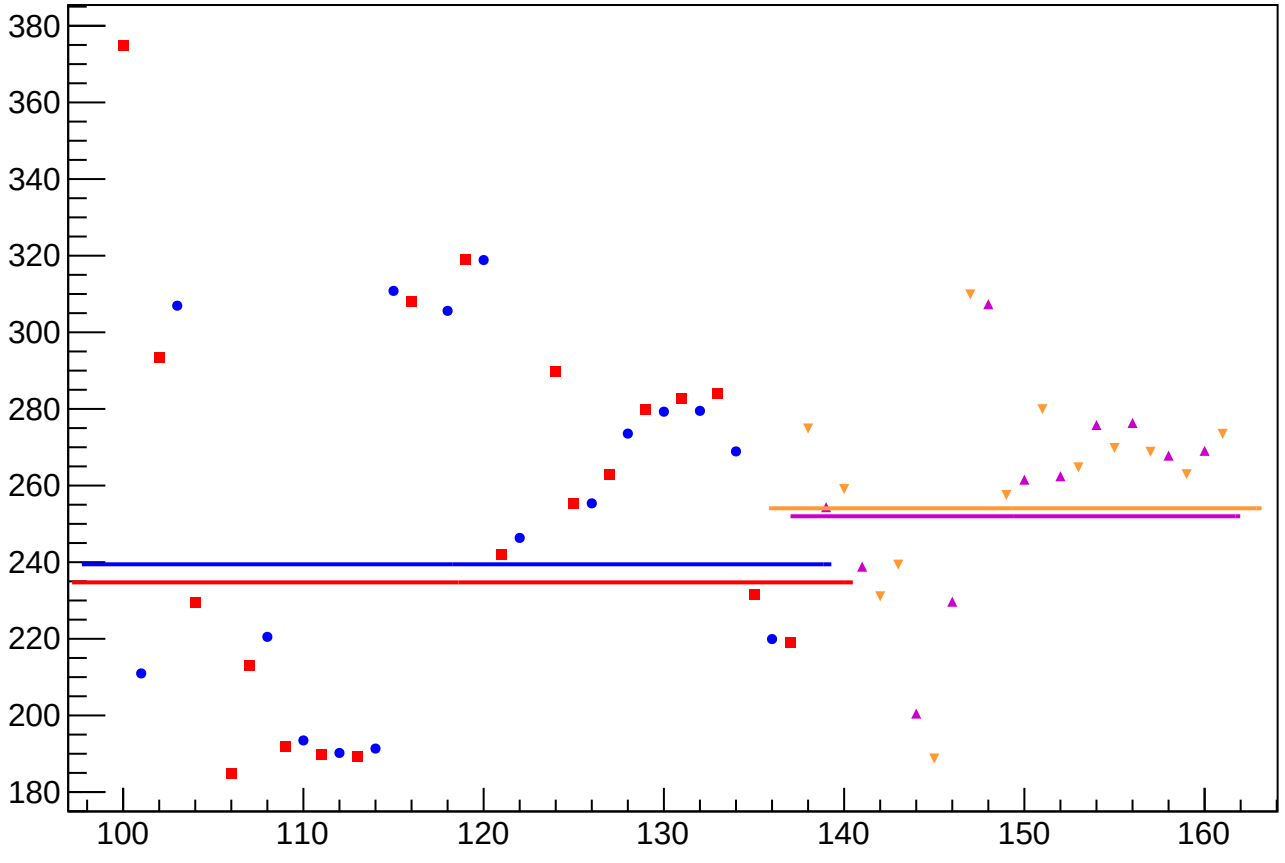
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 127.026+/-60.896 χ^2/NDF:27.2/26

Out: 258.846+/-59.038 χ^2/NDF:22.9/31

All: 194.978+/-42.388 χ^2/NDF: 52.5/58

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

Left: 253.061+/-0.040 χ^2/NDF: 546163.6/23

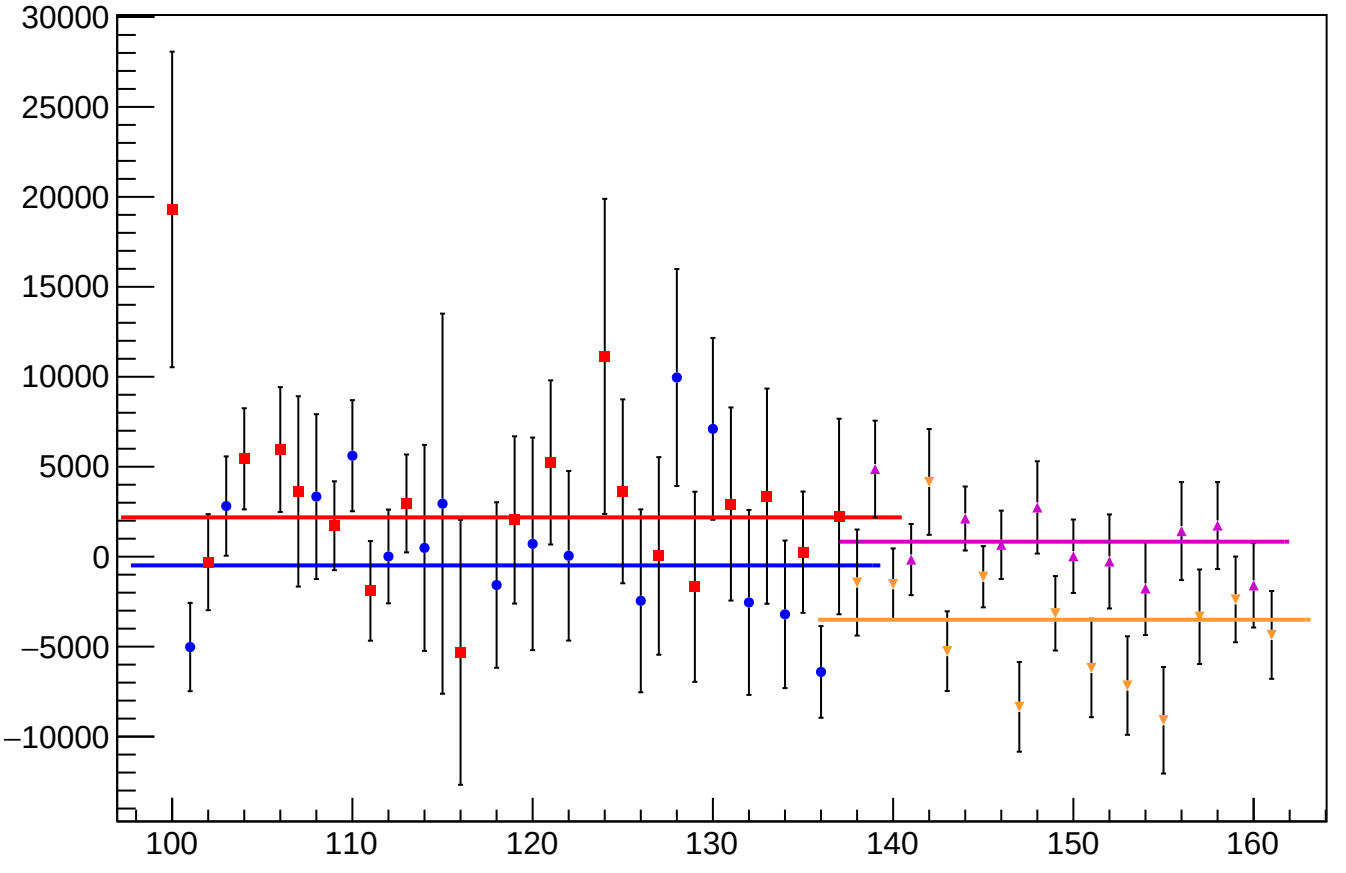
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 246.325+/-0.043 χ^2/NDF:658729.5/26

Out: 245.350+/-0.042 χ^2/NDF:847085.0/31

All: 245.823+/-0.030 χ^2/NDF: 1506078.8/58

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3505.148+/-659.595 χ^2/NDF:21.3/12

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 833.179+/-680.031 χ^2/NDF:6.2/10

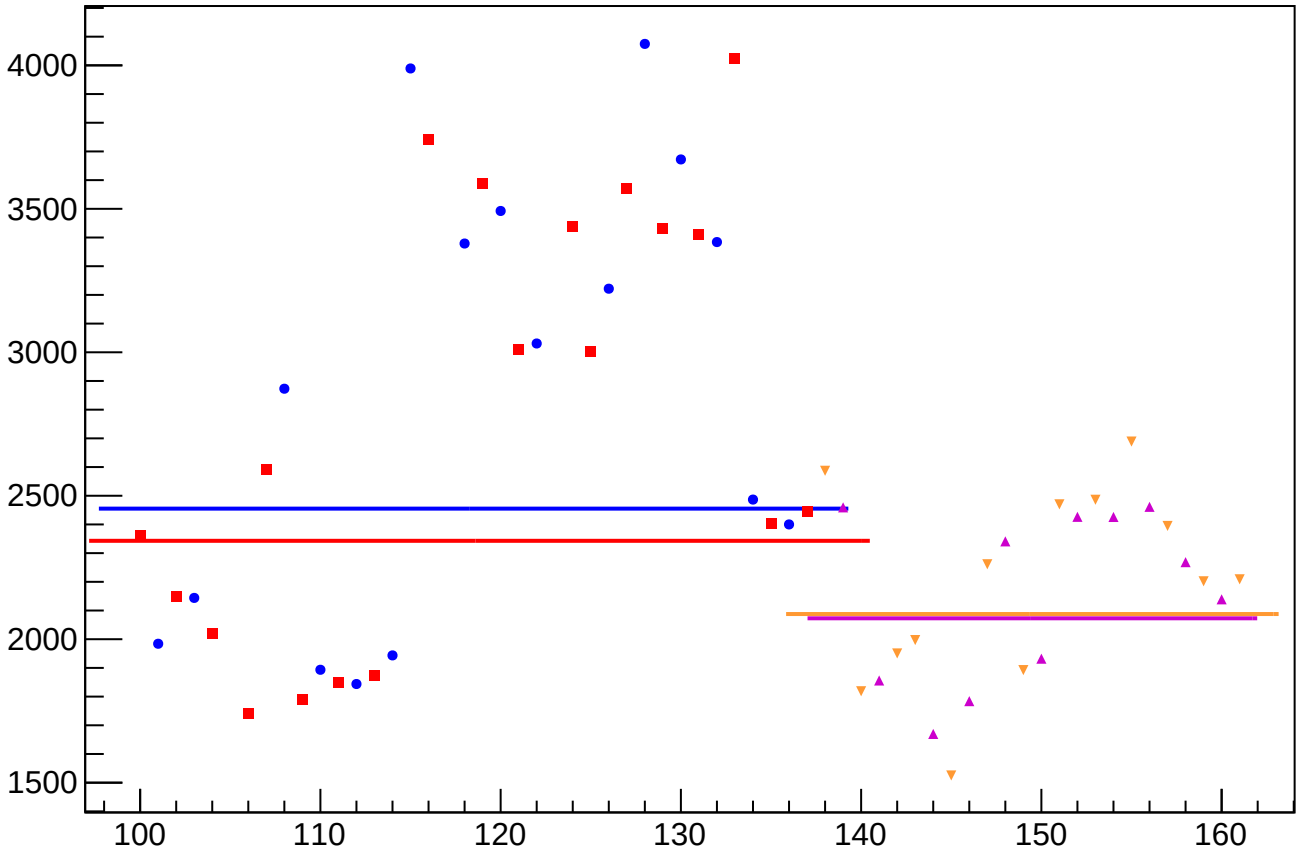
Left: -1402.152+/-473.464 χ^2/NDF: 48.5/23

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 384.627+/-552.461 χ^2/NDF:28.6/26

Out: -1504.951+/-531.156 χ^2/NDF:60.7/31

All: -597.299+/-382.895 χ^2/NDF: 95.4/58



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548999.2/12

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

Left: 2080.553+/-0.335 χ^2/NDF: 924206.7/23

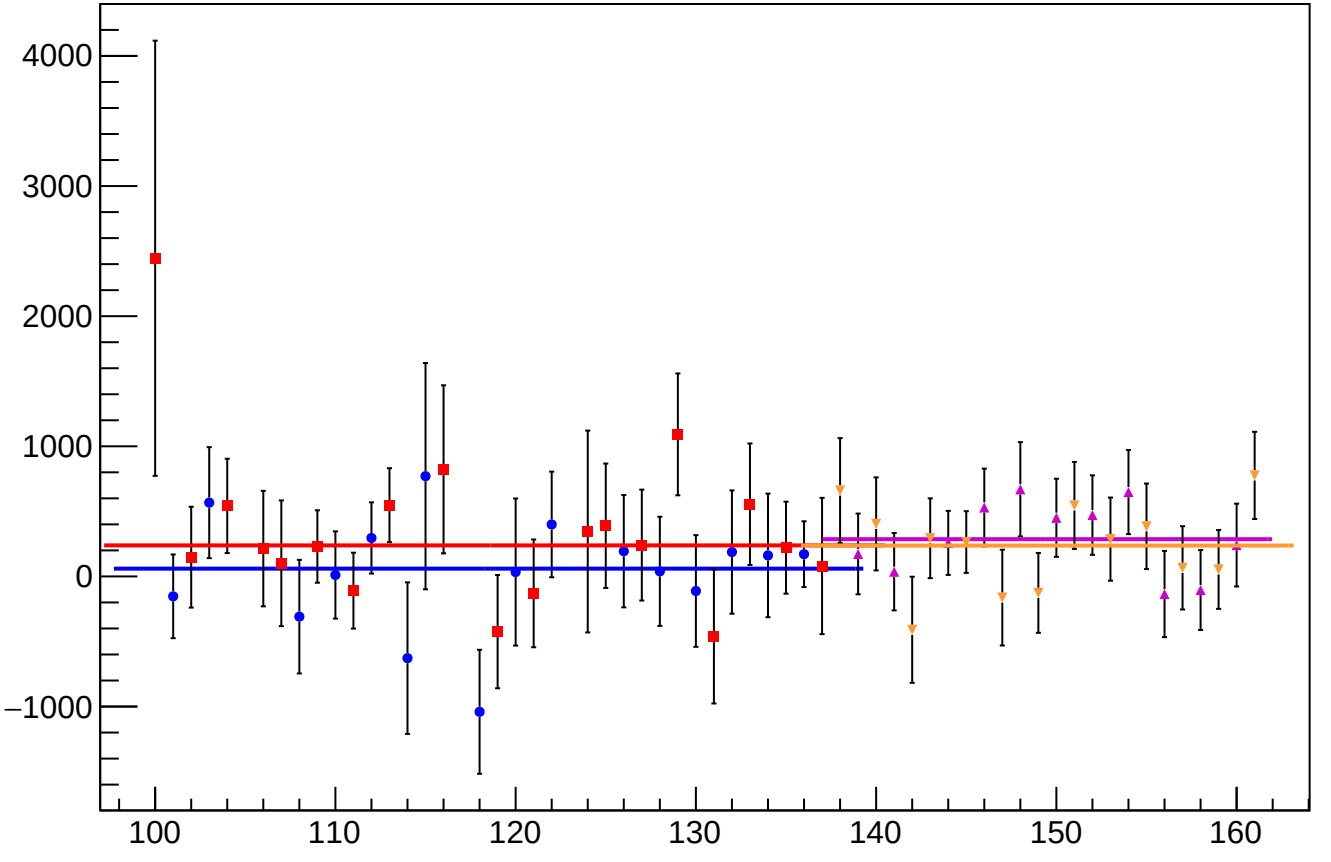
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2202.845+/-0.391 χ^2/NDF:1483919.4/26

Out: 2177.475+/-0.376 χ^2/NDF:1724619.9/31

All: 2189.661+/-0.271 χ^2/NDF: 3210731.1/58

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 237.356+/-89.802 χ^2/NDF:10.8/12

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 286.276+/-92.069 χ^2/NDF:7.8/10

Left: 261.207+/-64.286 χ^2/NDF: 18.7/23

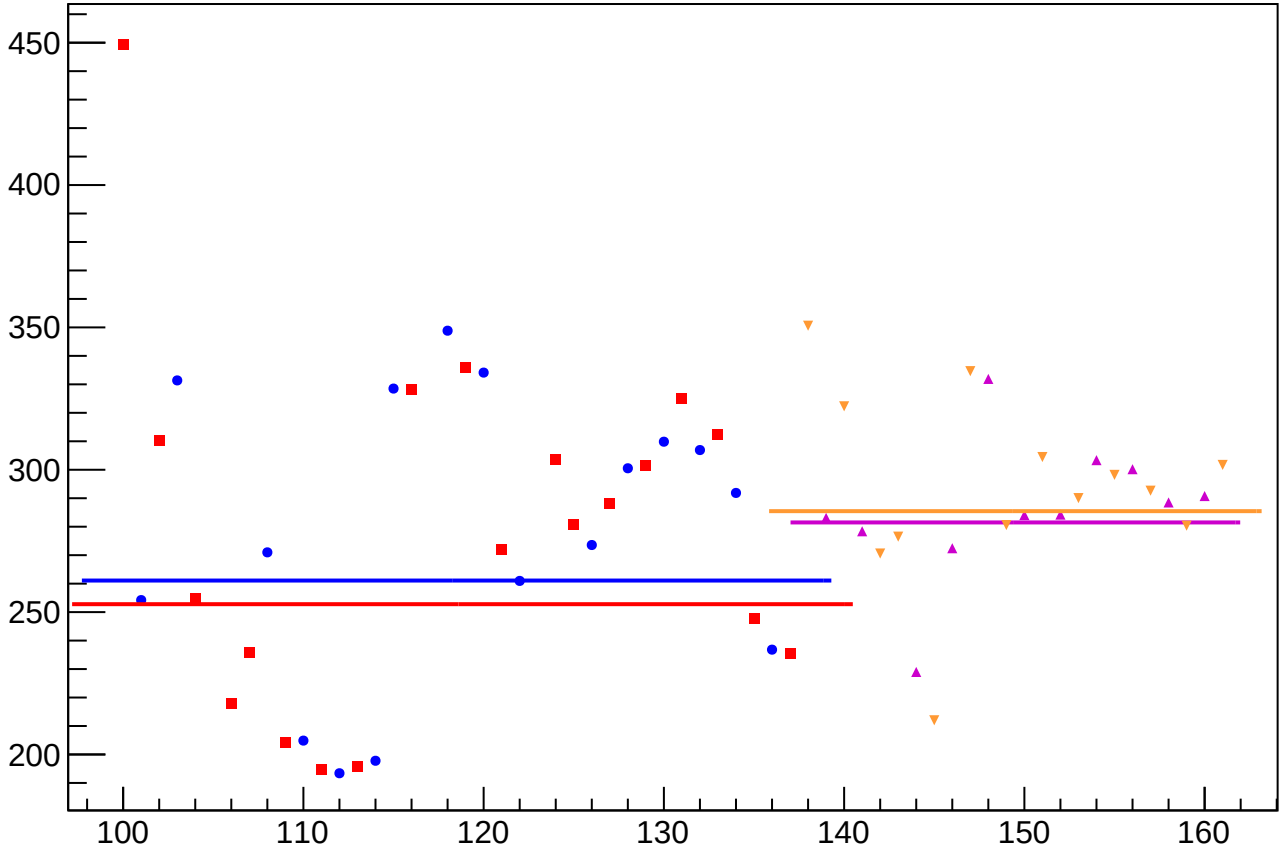
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 181.470+/-67.492 χ^2/NDF:22.6/26

Out: 237.903+/-65.280 χ^2/NDF:25.7/31

All: 210.627+/-46.923 χ^2/NDF: 48.7/58

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 285.460+/-0.063 χ^2/NDF:322436.0/12

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 281.496+/-0.065 χ^2/NDF:150339.5/10

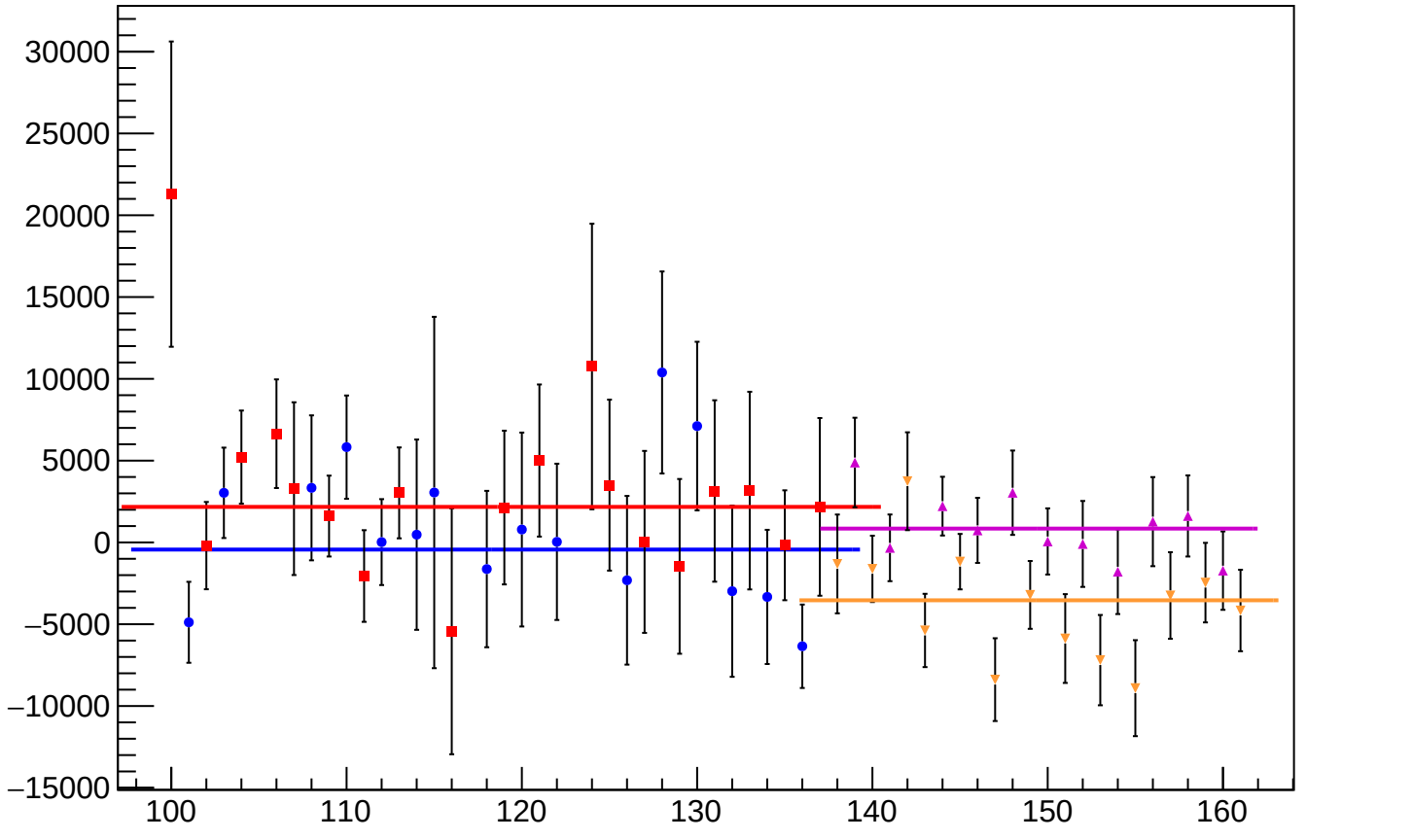
Left: 283.527+/-0.045 χ^2/NDF: 474675.5/23

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 272.055+/-0.048 χ^2/NDF:658457.9/26

Out: 270.053+/-0.046 χ^2/NDF:984574.3/31

All: 271.021+/-0.033 χ^2/NDF: 1643941.9/58



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3536.635+/-665.537 χ^2/NDF:19.8/12

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 846.127+/-690.423 χ^2/NDF:6.4/10

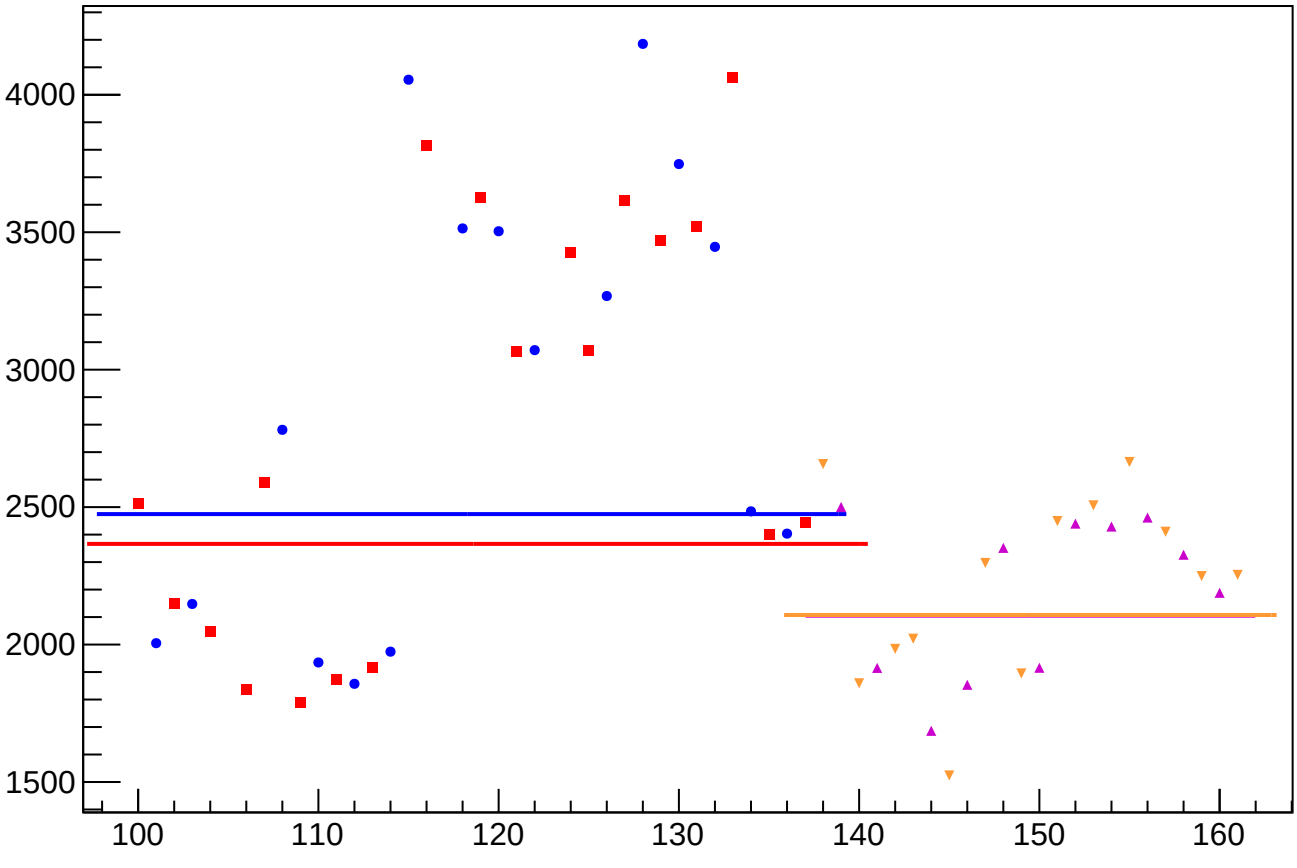
Left: -1425.666+/-479.162 χ^2/NDF: 47.1/23

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 405.857+/-559.544 χ^2/NDF:28.8/26

Out: -1521.677+/-535.349 χ^2/NDF:59.8/31

All: -600.483+/-386.820 χ^2/NDF: 94.7/58



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2107.533+/-0.471 χ^2/NDF:557399.0/12

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2105.008+/-0.488 χ^2/NDF:352494.3/10

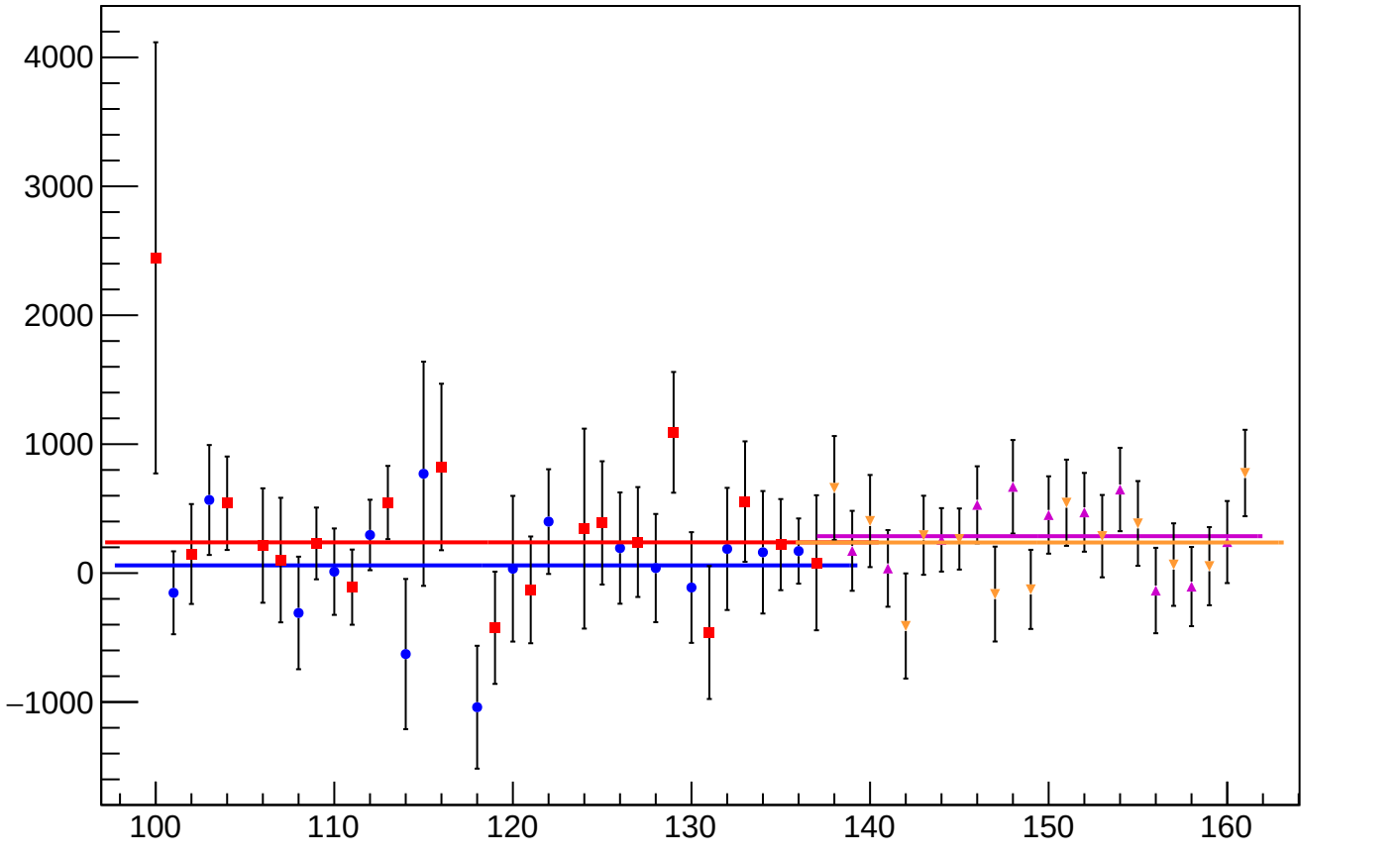
Left: 2106.317+/-0.339 χ^2/NDF: 909907.2/23

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2231.857+/-0.396 χ^2/NDF:1465459.6/26

Out: 2198.840+/-0.379 χ^2/NDF:1741225.3/31

All: 2214.619+/-0.274 χ^2/NDF: 3210320.5/58



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 237.360+/-89.802 χ^2/NDF:10.8/12

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 286.278+/-92.069 χ^2/NDF:7.8/10

Left: 261.209+/-64.286 χ^2/NDF: 18.8/23

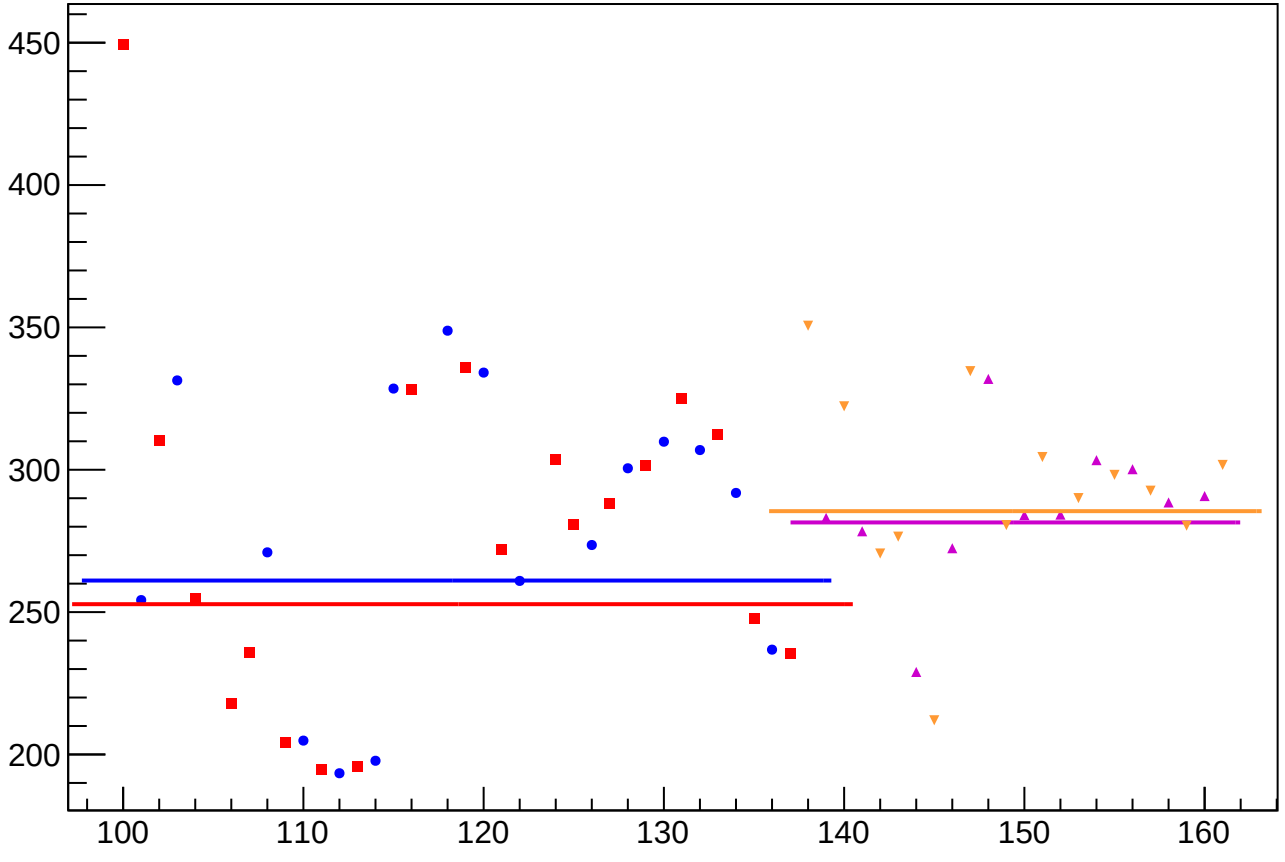
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 181.473+/-67.492 χ^2/NDF:22.6/26

Out: 237.905+/-65.280 χ^2/NDF:25.7/31

All: 210.629+/-46.923 χ^2/NDF: 48.7/58

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 285.461+/-0.063 χ^2/NDF:322431.2/12

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 281.496+/-0.065 χ^2/NDF:150337.7/10

Left: 283.528+/-0.045 χ^2/NDF: 474668.9/23

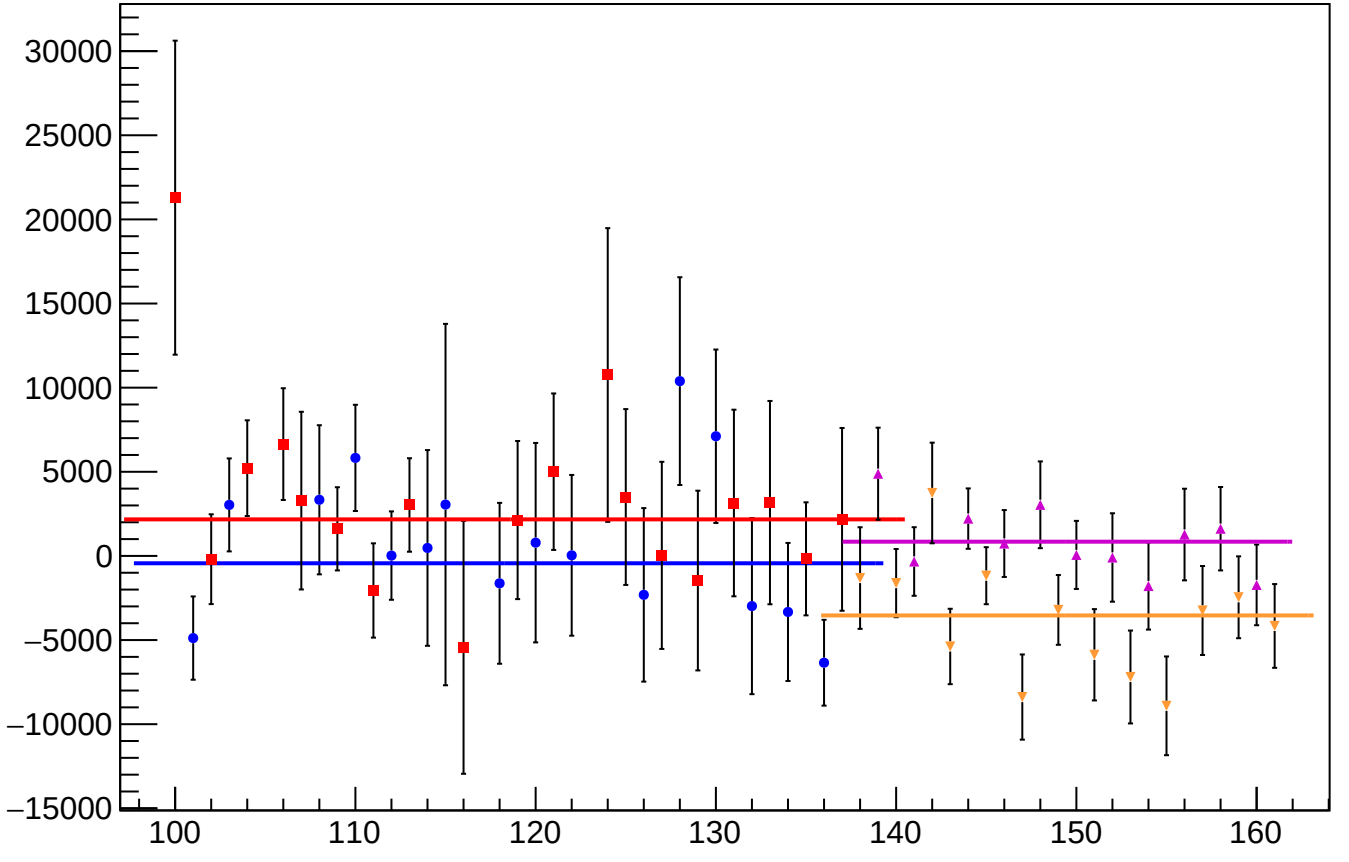
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 272.055+/-0.048 χ^2/NDF:658460.8/26

Out: 270.053+/-0.046 χ^2/NDF:984576.5/31

All: 271.021+/-0.033 χ^2/NDF: 1643947.2/58

asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3536.629+/-665.536 χ^2/NDF:19.8/12

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 846.126+/-690.423 χ^2/NDF:6.4/10

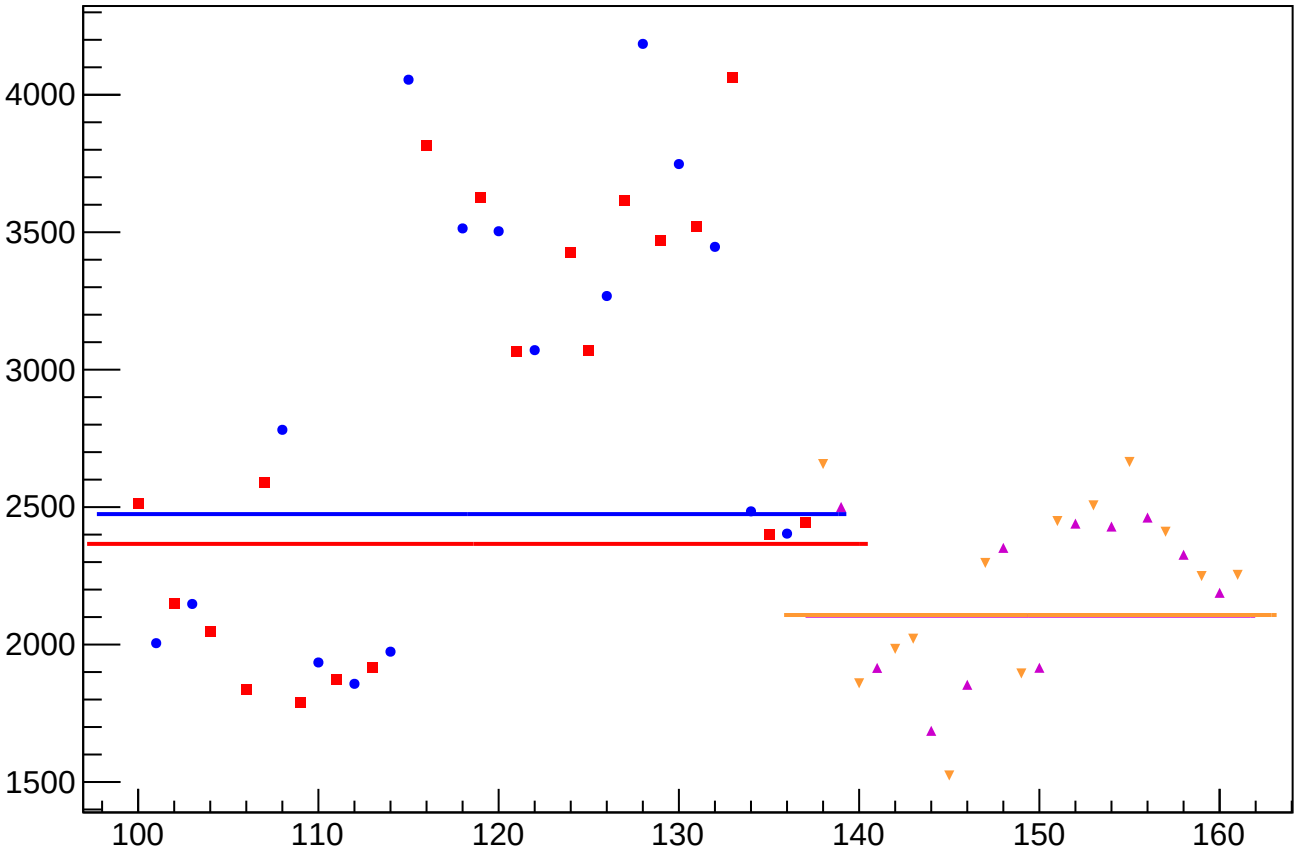
Left: -1425.664+/-479.162 χ^2/NDF: 47.1/23

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 405.857+/-559.543 χ^2/NDF:28.8/26

Out: -1521.675+/-535.349 χ^2/NDF:59.8/31

All: -600.482+/-386.819 χ^2/NDF: 94.7/58



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2107.531+/-0.471 χ^2/NDF:557401.9/12

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2105.006+/-0.488 χ^2/NDF:352492.4/10

Left: 2106.315+/-0.339 χ^2/NDF: 909908.1/23

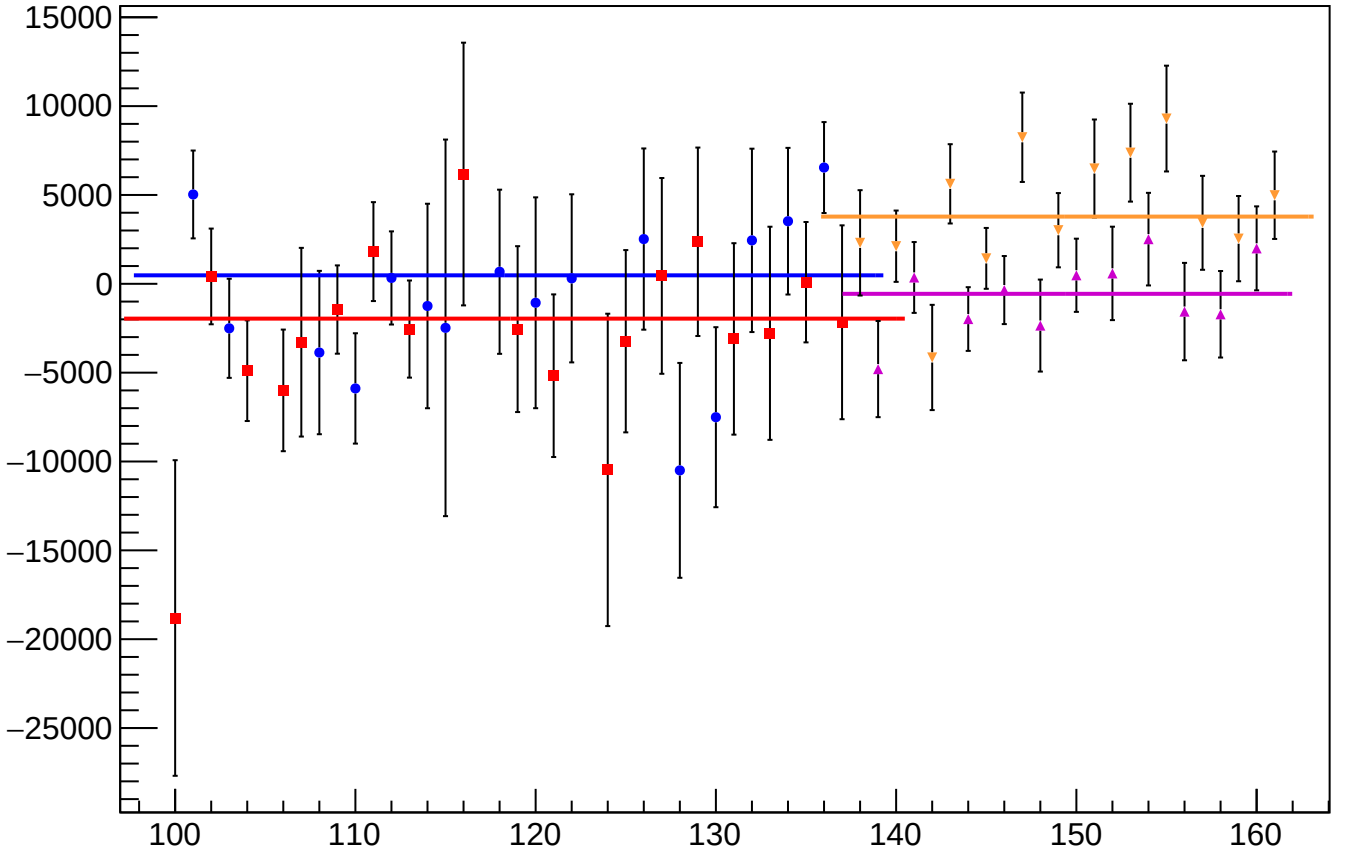
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2231.856+/-0.396 χ^2/NDF:1465460.9/26

Out: 2198.838+/-0.379 χ^2/NDF:1741231.2/31

All: 2214.617+/-0.274 χ^2/NDF: 3210327.9/58

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3782.445+/-664.676 χ^2/NDF:20.6/12

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -563.908+/-685.203 χ^2/NDF:7.2/10

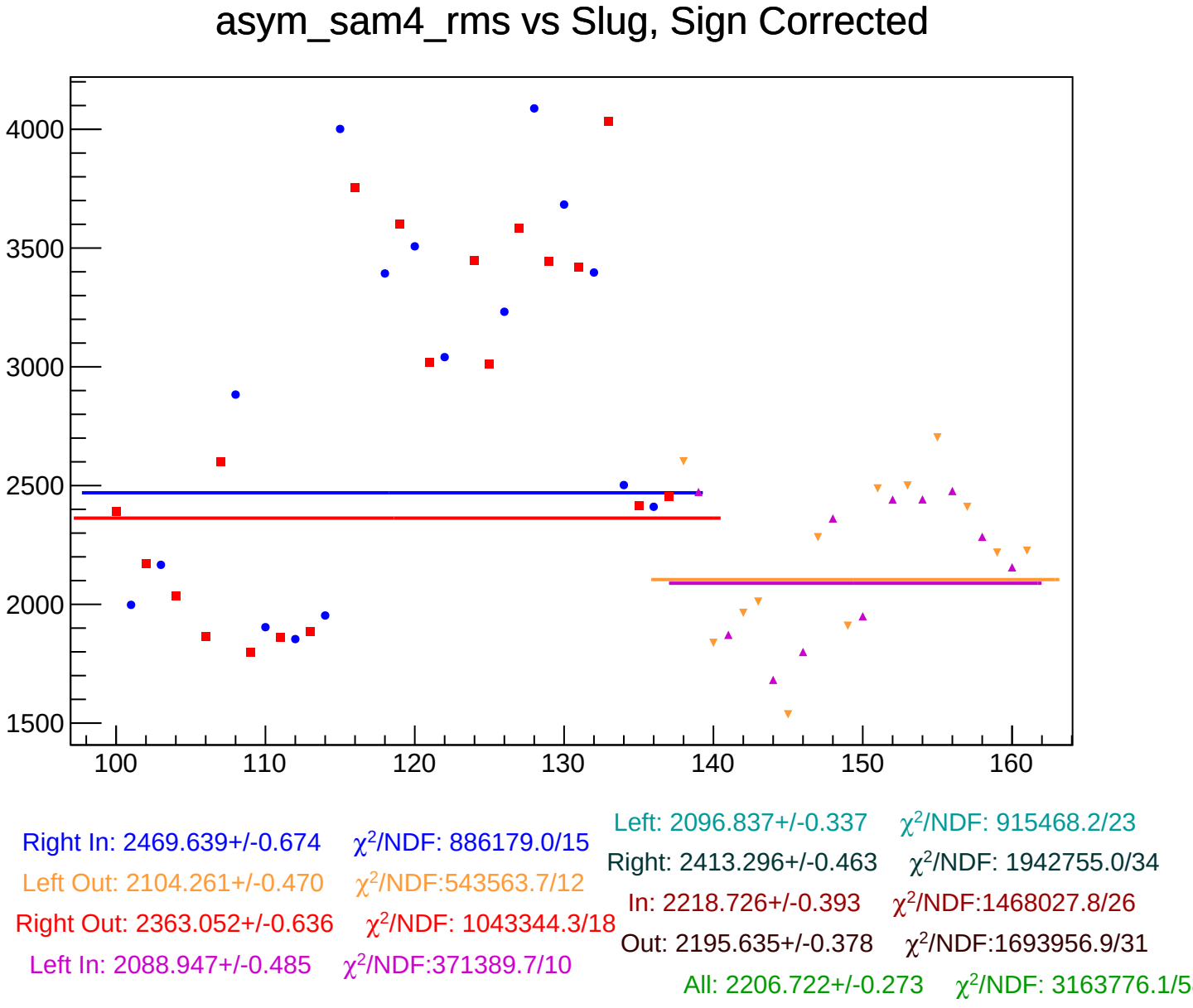
Left: 1675.347+/-477.089 χ^2/NDF: 48.5/23

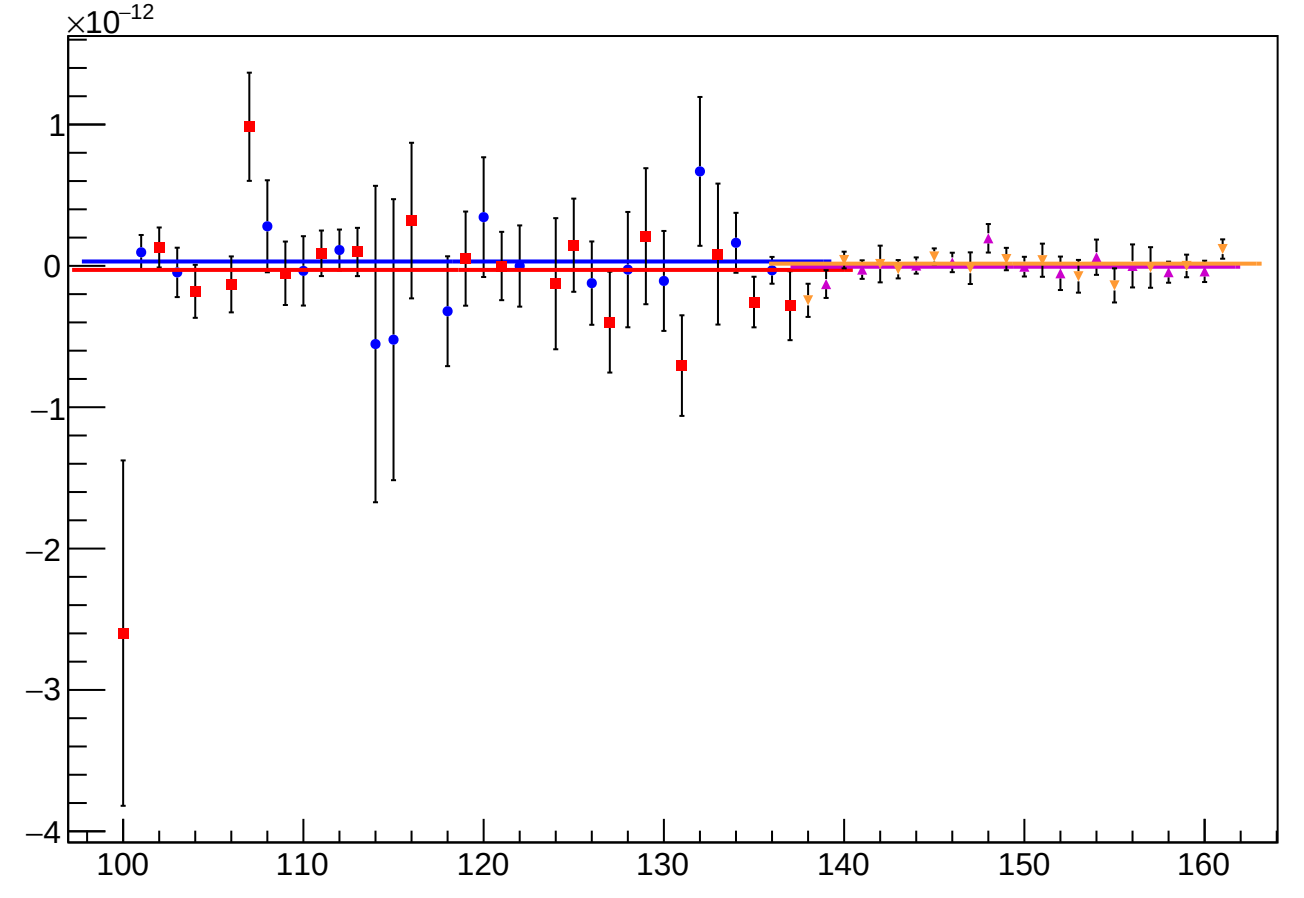
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -208.964+/-556.282 χ^2/NDF:30.1/26

Out: 1755.080+/-534.608 χ^2/NDF:59.8/31

All: 812.064+/-385.459 χ^2/NDF: 96.3/58


asym_sam4_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
Right In: 2469.639+/-0.674 χ²/NDF: 886179.0/15
Left Out: 2104.261+/-0.470 χ²/NDF:543563.7/12
Right Out: 2363.052+/-0.636 χ²/NDF: 1043344.3/18
Left In: 2088.947+/-0.485 χ²/NDF:371389.7/10
Left: 2096.837+/-0.337 χ²/NDF: 915468.2/23
Right: 2413.296+/-0.463 χ²/NDF: 1942755.0/34
In: 2218.726+/-0.393 χ²/NDF:1468027.8/26
Out: 2195.635+/-0.378 χ²/NDF:1693956.9/31
All: 2206.722+/-0.273 χ²/NDF: 3163776.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/10

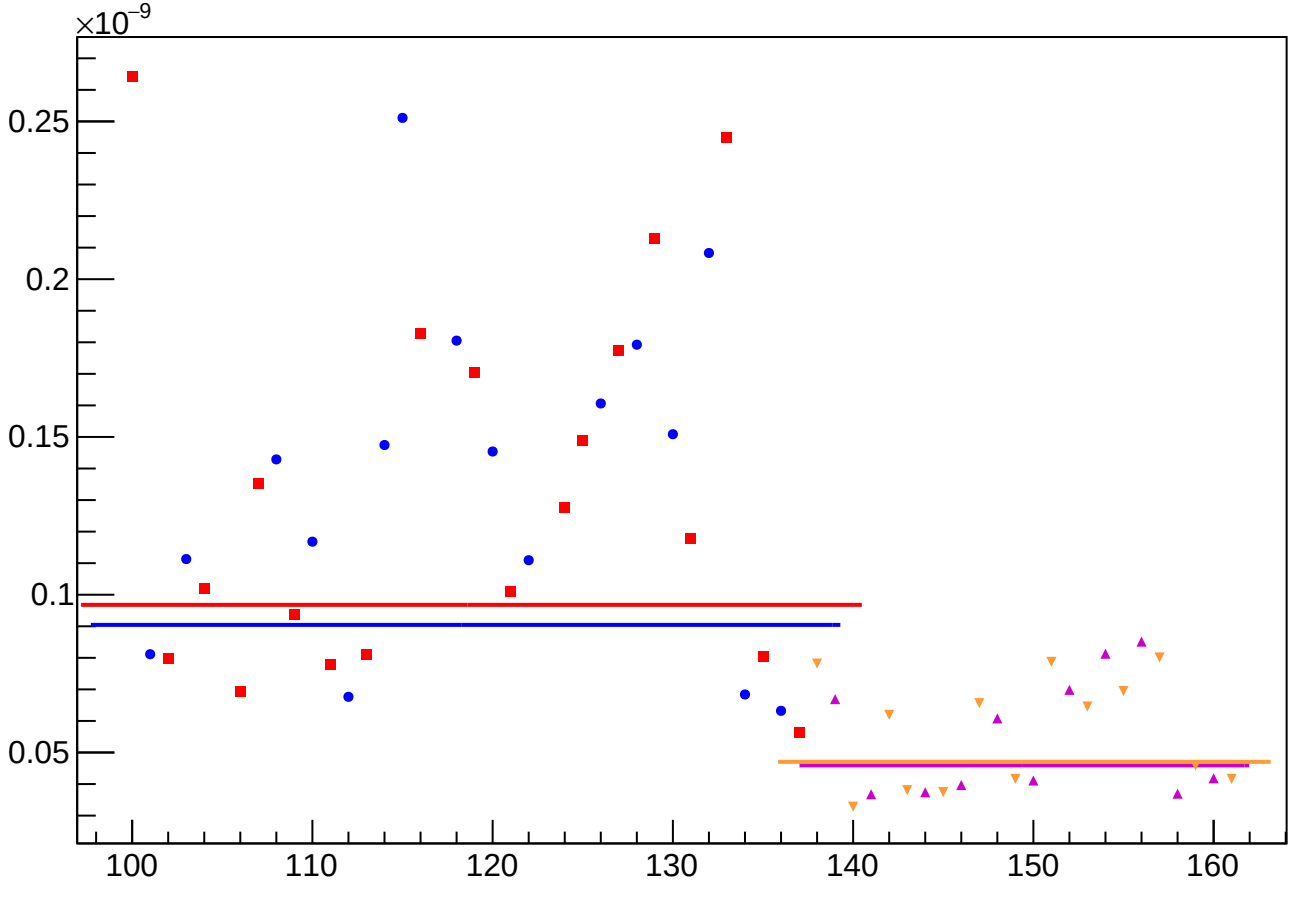
Left: 0.000+/-0.000 χ^2/NDF: 18.3/23

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:13.3/26

Out: 0.000+/-0.000 χ^2/NDF:34.8/31

All: 0.000+/-0.000 χ^2/NDF: 48.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:822913.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:654297.2/10

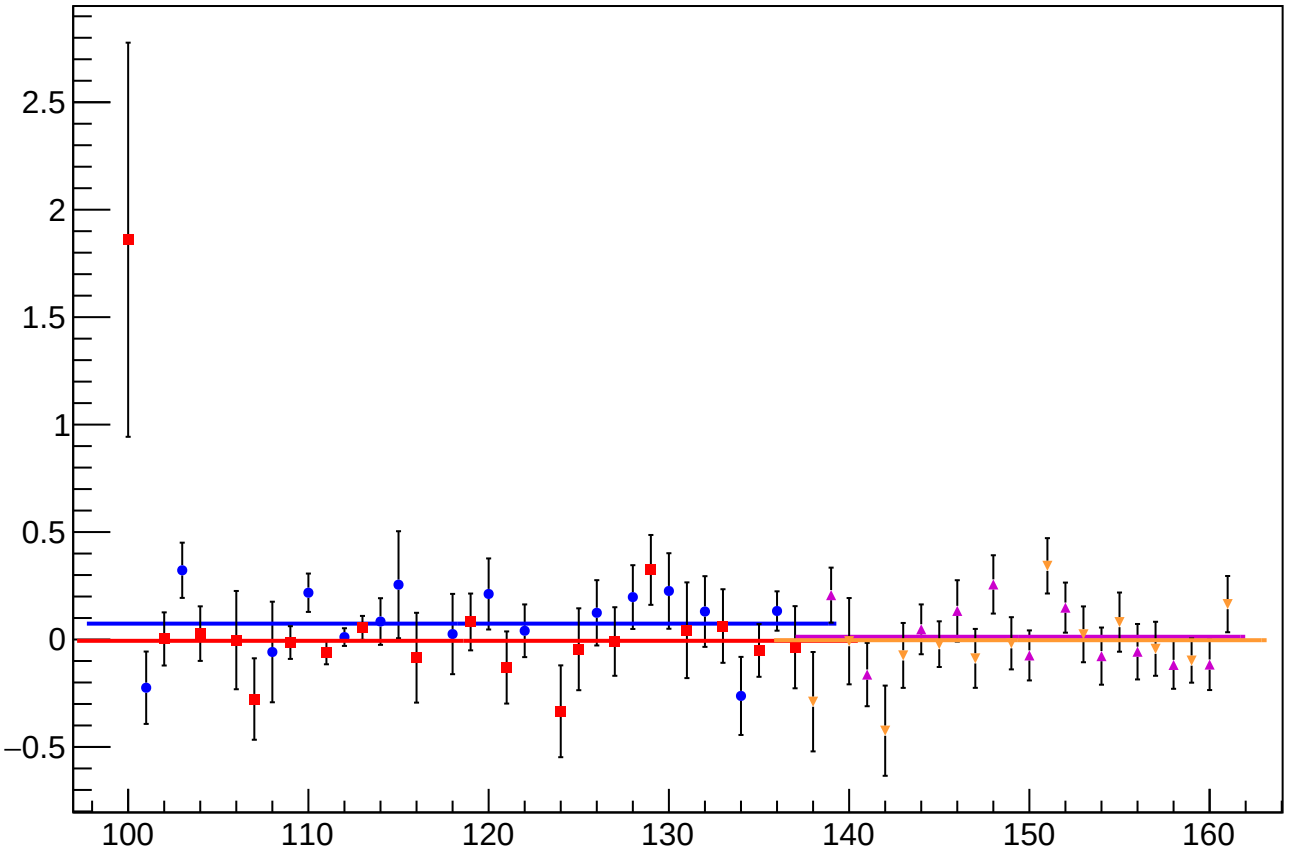
Left: 0.000+/-0.000 χ^2/NDF: 1479518.3/23

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2763143.0/26

Out: 0.000+/-0.000 χ^2/NDF:3021465.7/31

All: 0.000+/-0.000 χ^2/NDF: 5785528.2/58



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.013+/-0.038 χ^2/NDF:13.0/10

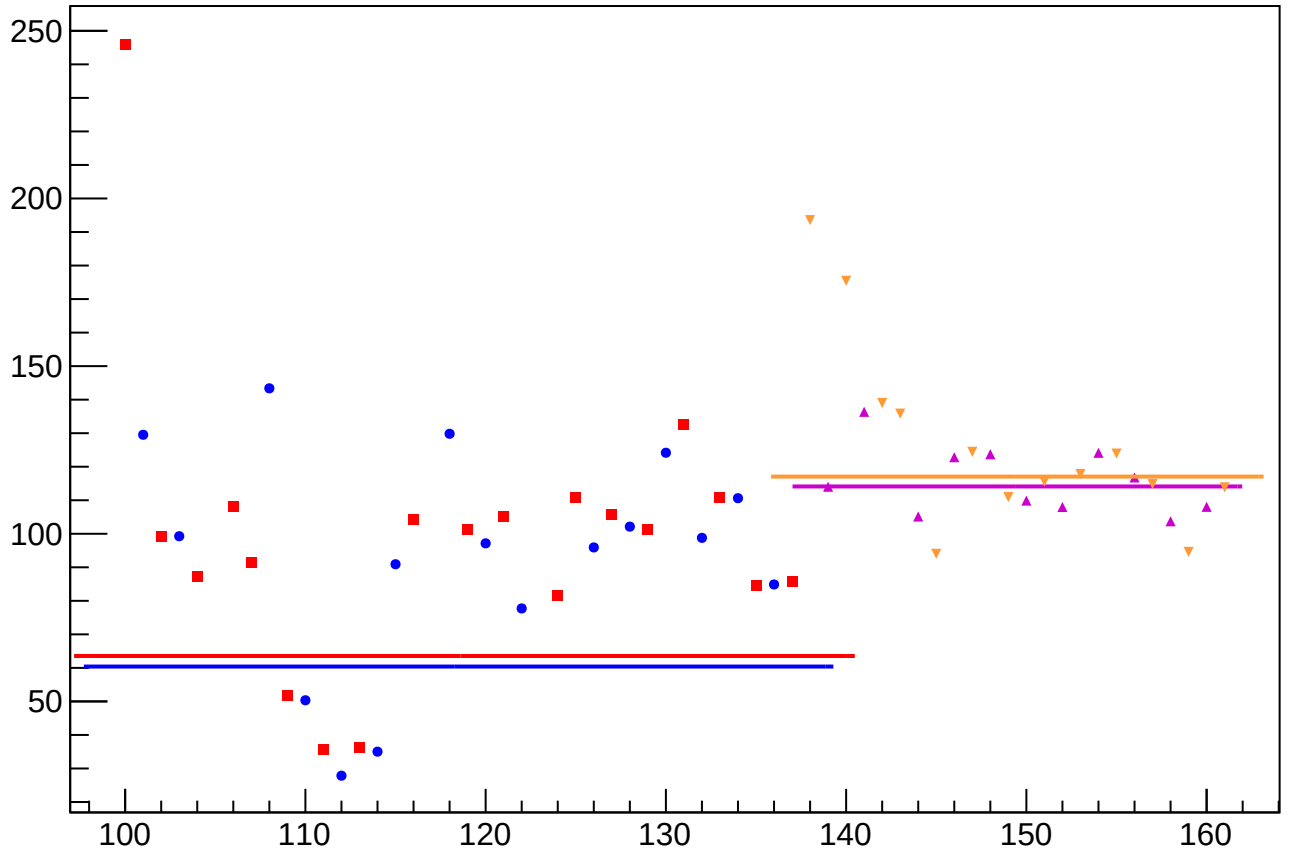
Left: 0.005+/-0.027 χ^2/NDF: 29.5/23

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.005+/-0.022 χ^2/NDF:32.9/31

All: 0.024+/-0.015 χ^2/NDF: 70.1/58



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.058+/-0.027 χ^2/NDF:648257.8/12

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

Left: 115.593+/-0.019 χ^2/NDF: 772551.7/23

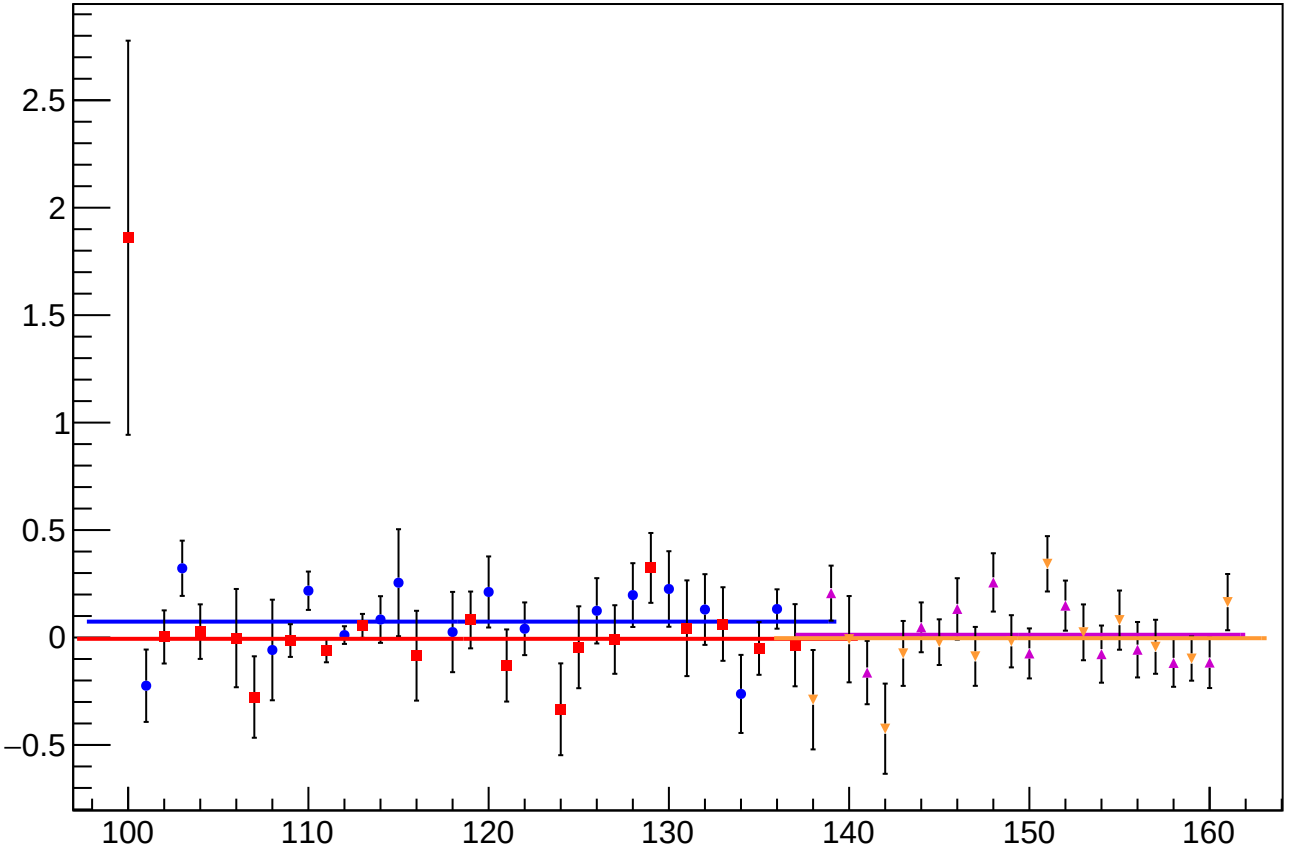
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 78.574+/-0.016 χ^2/NDF:6331776.7/26

Out: 81.620+/-0.015 χ^2/NDF:5988396.7/31

All: 80.106+/-0.011 χ^2/NDF: 12339513.1/58

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.013+/-0.038 χ^2/NDF:13.0/10

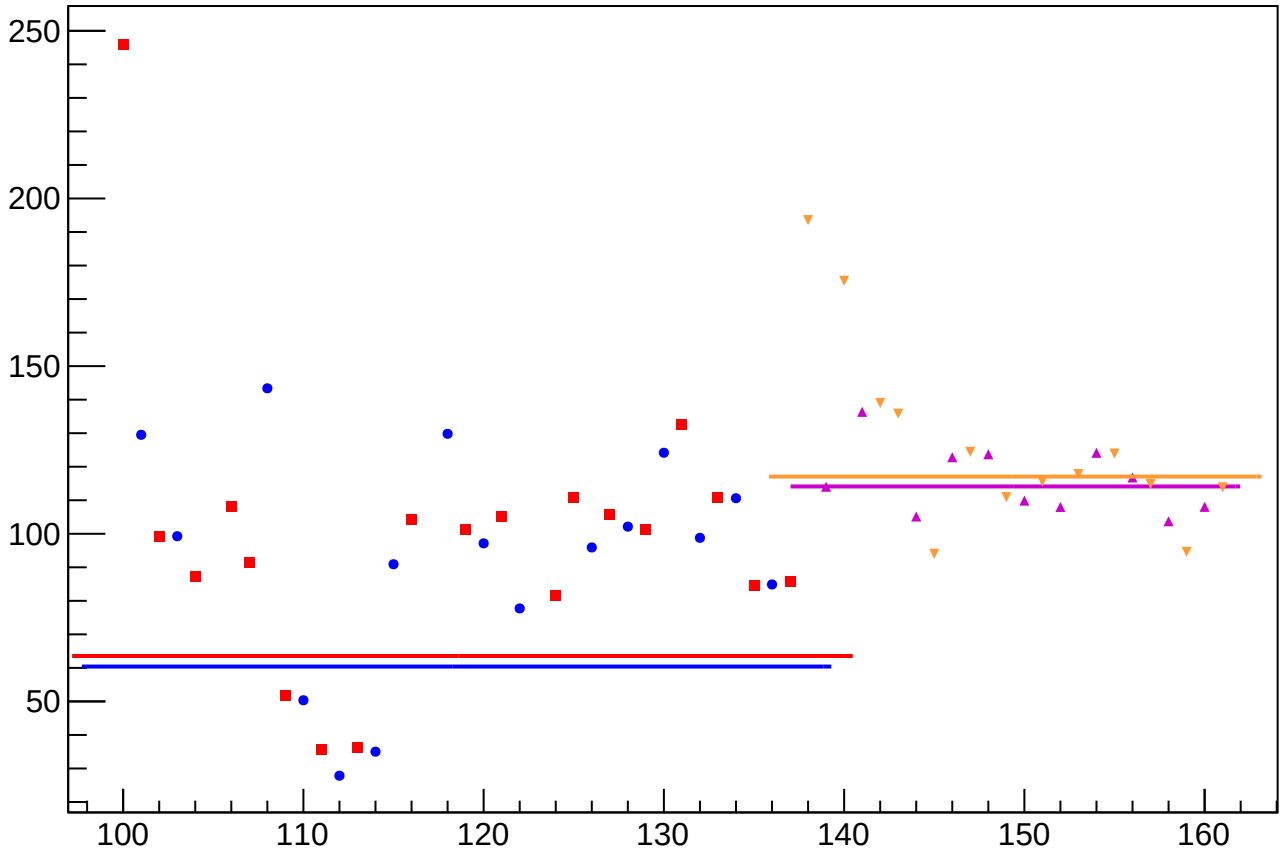
Left: 0.005+/-0.027 χ^2/NDF: 29.5/23

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.005+/-0.022 χ^2/NDF:32.9/31

All: 0.024+/-0.015 χ^2/NDF: 70.1/58



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.058+/-0.027 χ^2/NDF:648257.8/12

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

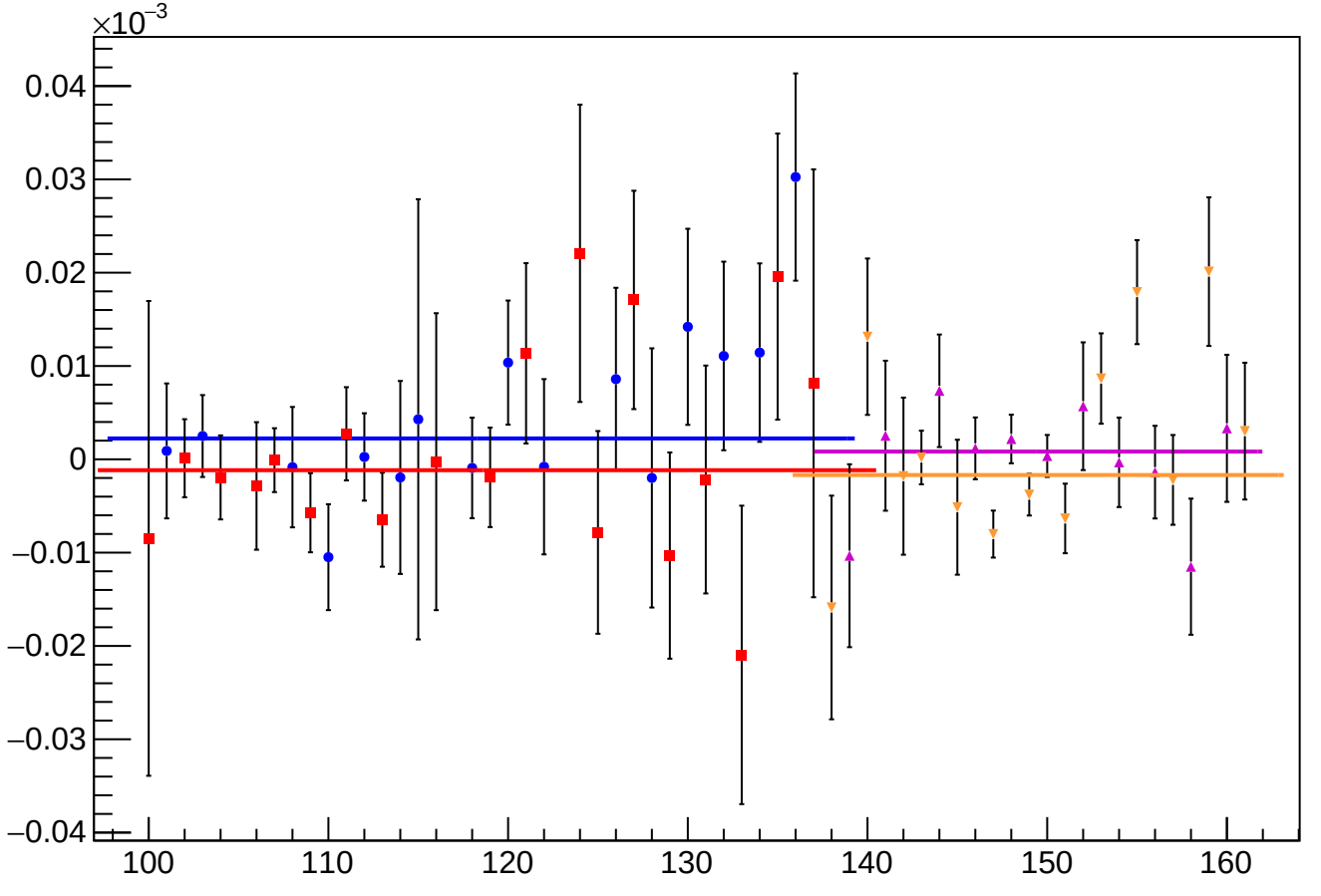
Left: 115.593+/-0.019 χ^2/NDF: 772551.7/23

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 78.574+/-0.016 χ^2/NDF:6331776.7/26

Out: 81.620+/-0.015 χ^2/NDF:5988396.7/31

All: 80.106+/-0.011 χ^2/NDF: 12339513.1/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:38.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

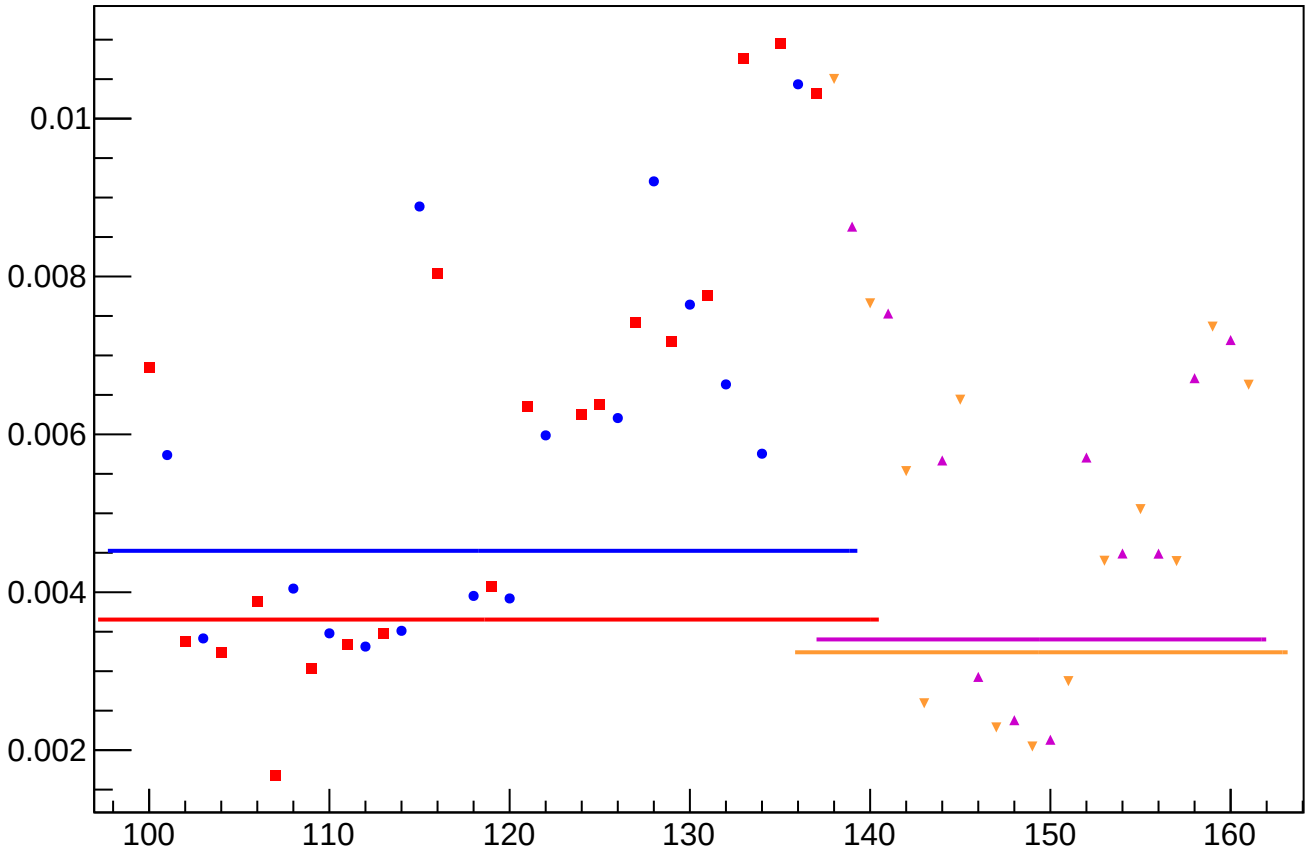
Left: -0.000+/-0.000 χ^2/NDF: 47.5/23

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:24.4/26

Out: -0.000+/-0.000 χ^2/NDF:53.0/31

All: -0.000+/-0.000 χ^2/NDF: 81.4/58



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4212367.5/12

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:3667138.4/10

Left: 0.003+/-0.000 χ^2/NDF: 7897702.5/23

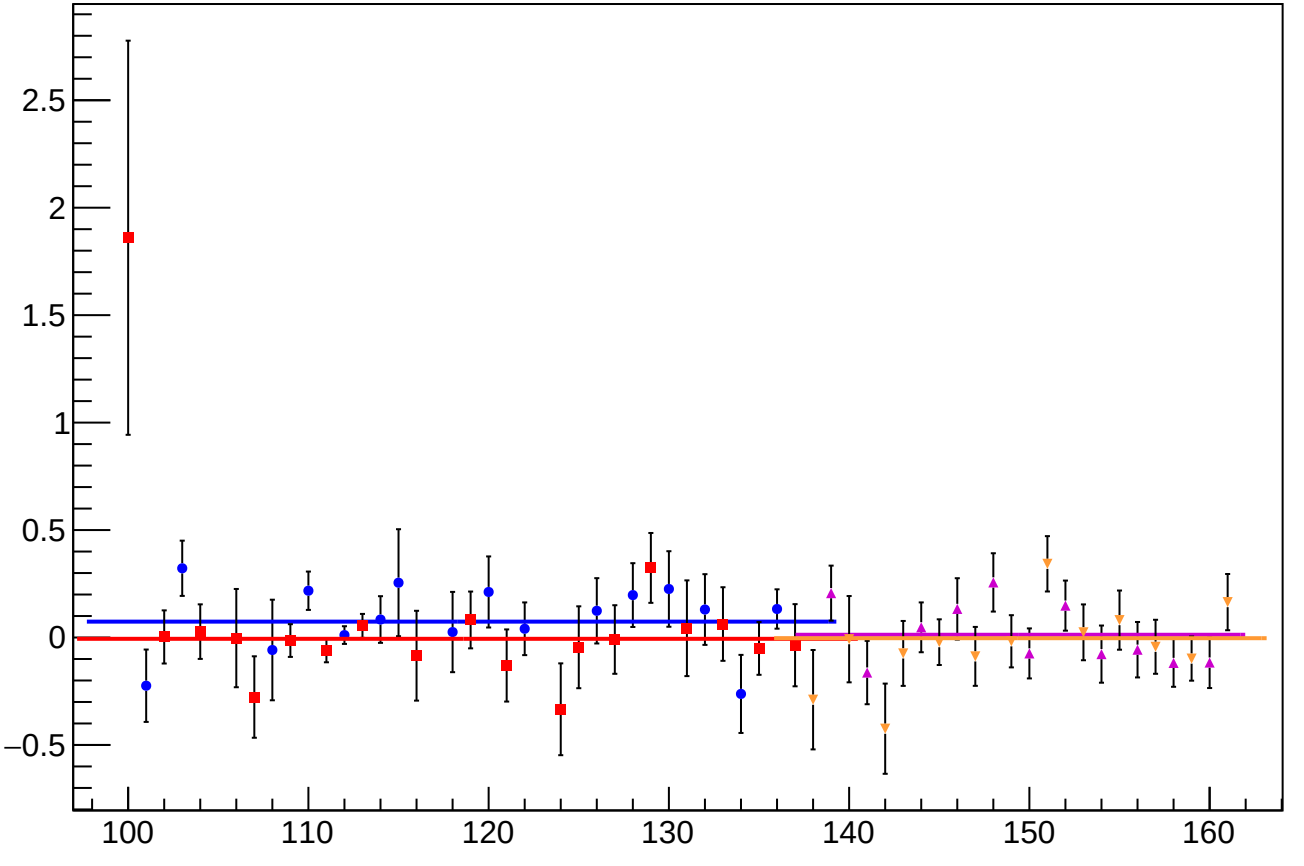
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5906121.6/26

Out: 0.003+/-0.000 χ^2/NDF:7241820.8/31

All: 0.004+/-0.000 χ^2/NDF: 13296287.2/58

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.013+/-0.038 χ^2/NDF:13.0/10

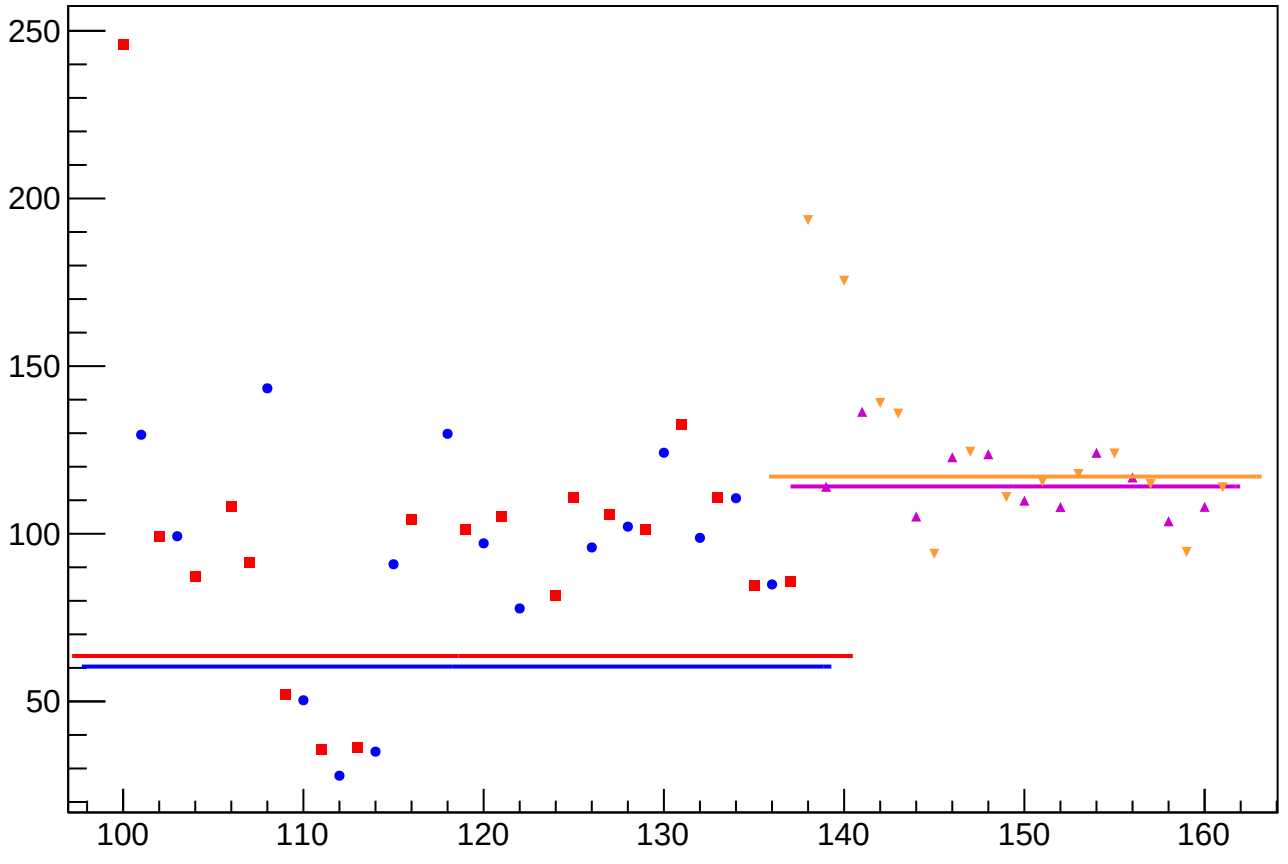
Left: 0.005+/-0.027 χ^2/NDF: 29.5/23

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.005+/-0.022 χ^2/NDF:32.9/31

All: 0.024+/-0.015 χ^2/NDF: 70.1/58



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.059+/-0.027 χ^2/NDF:648227.6/12

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

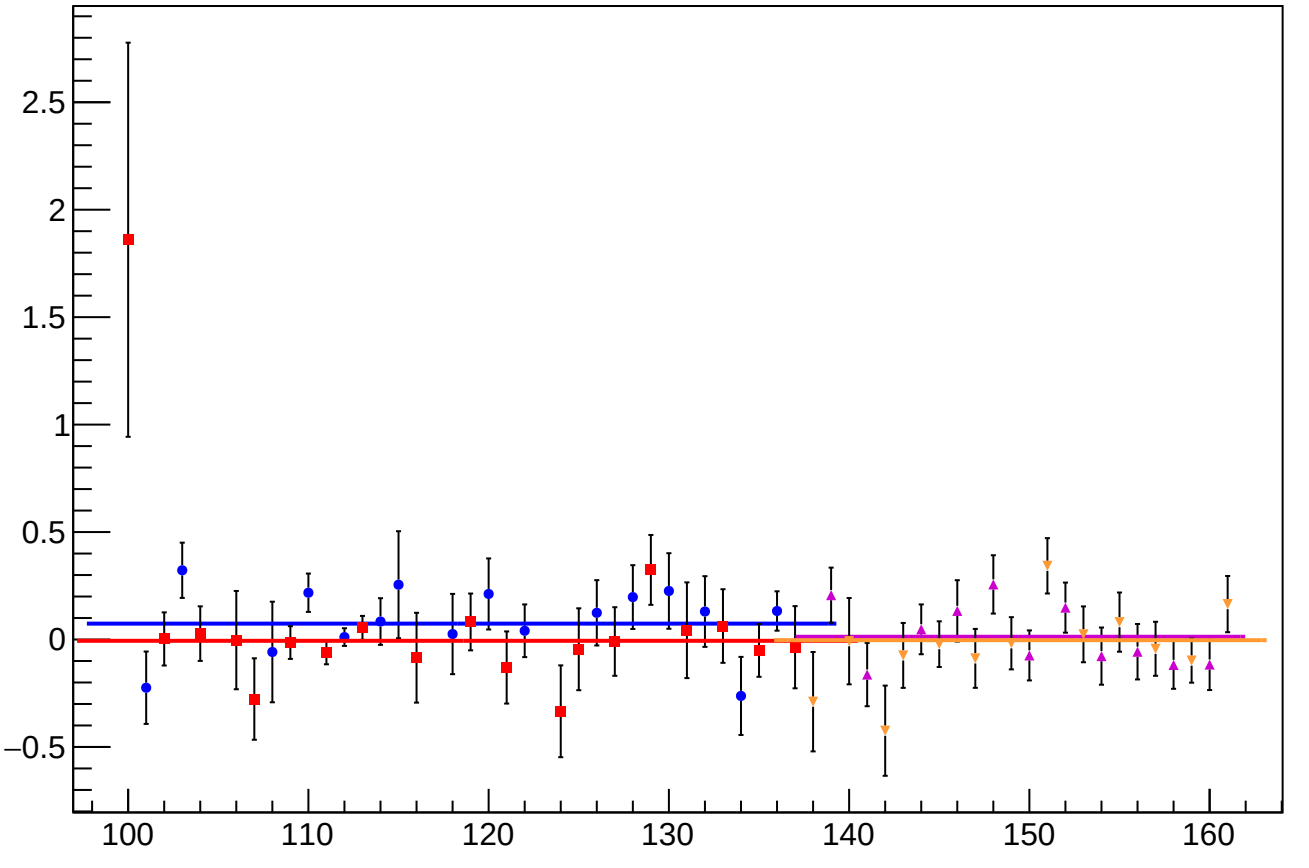
Left: 115.594+/-0.019 χ^2/NDF: 772521.1/23

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 78.572+/-0.016 χ^2/NDF:6332366.6/26

Out: 81.618+/-0.015 χ^2/NDF:5988946.8/31

All: 80.104+/-0.011 χ^2/NDF: 12340657.7/58



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.013+/-0.038 χ^2/NDF:13.0/10

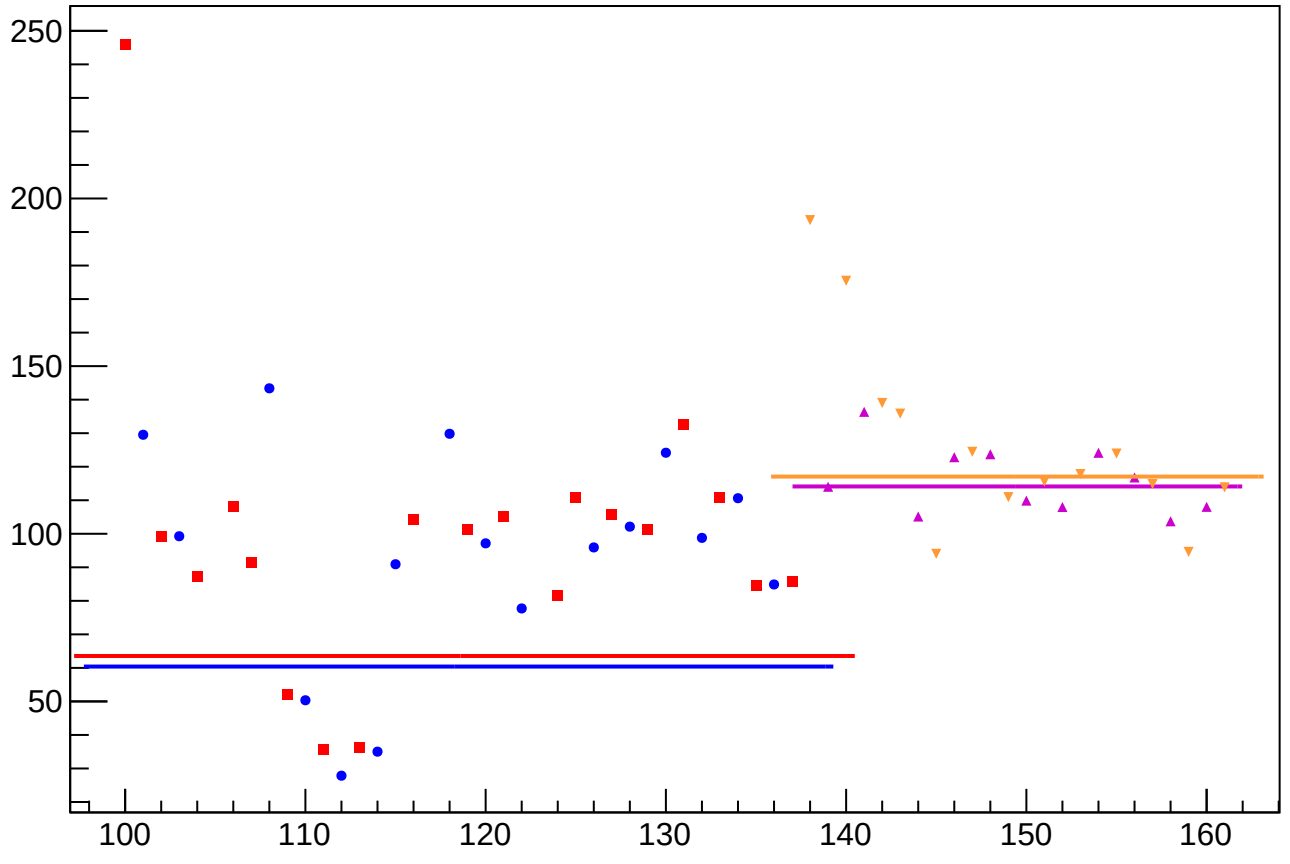
Left: 0.005+/-0.027 χ^2/NDF: 29.5/23

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.053+/-0.022 χ^2/NDF:33.7/26

Out: -0.005+/-0.022 χ^2/NDF:32.9/31

All: 0.024+/-0.015 χ^2/NDF: 70.1/58



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.059+/-0.027 χ^2/NDF:648227.6/12

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

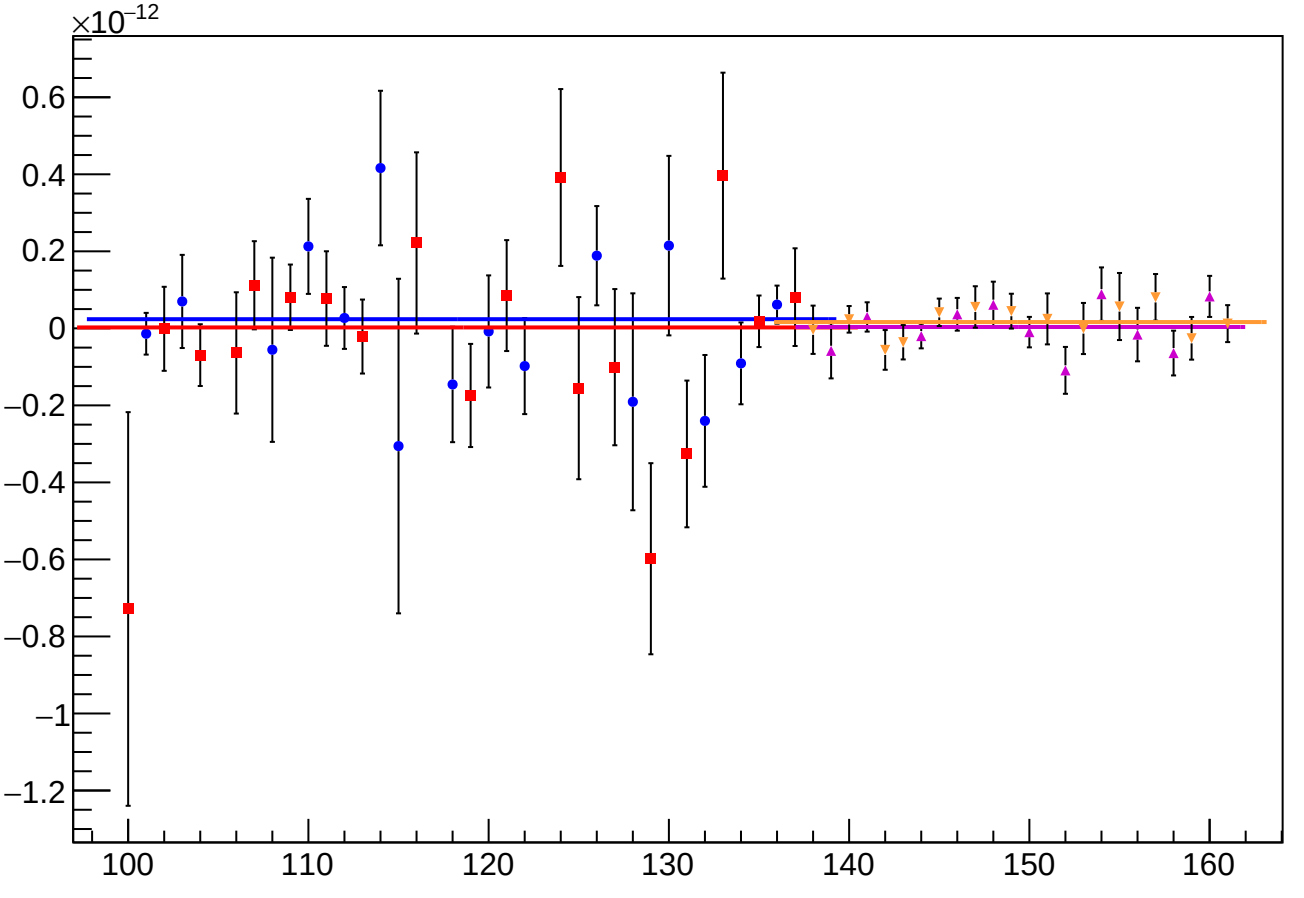
Left: 115.594+/-0.019 χ^2/NDF: 772521.1/23

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 78.572+/-0.016 χ^2/NDF:6332366.6/26

Out: 81.618+/-0.015 χ^2/NDF:5988946.8/31

All: 80.104+/-0.011 χ^2/NDF: 12340657.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/10

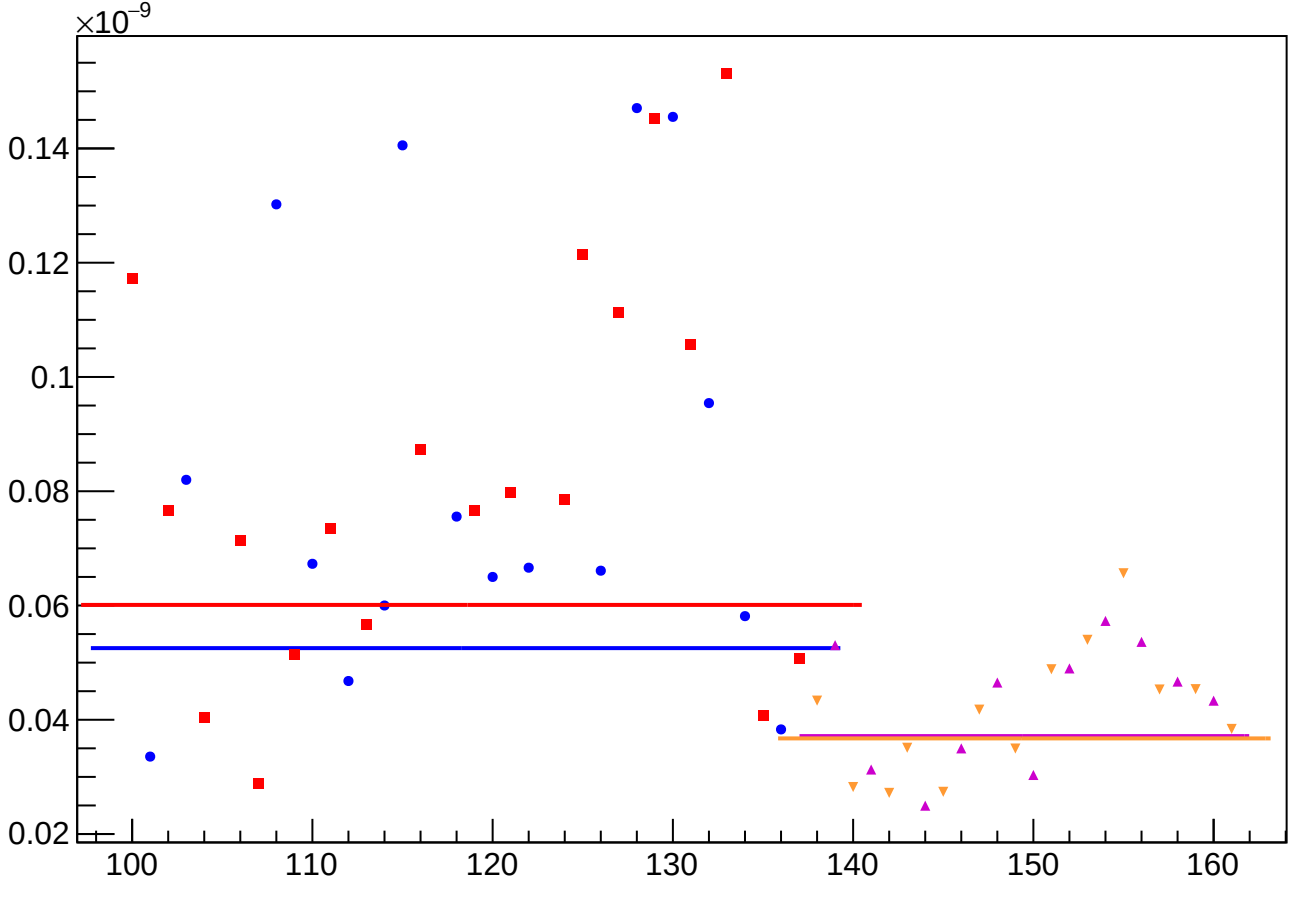
Left: 0.000+/-0.000 χ^2/NDF: 19.3/23

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:29.2/26

Out: 0.000+/-0.000 χ^2/NDF:30.3/31

All: 0.000+/-0.000 χ^2/NDF: 59.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:886183.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:988633.5/10

Left: 0.000+/-0.000 χ^2/NDF: 1875626.3/23

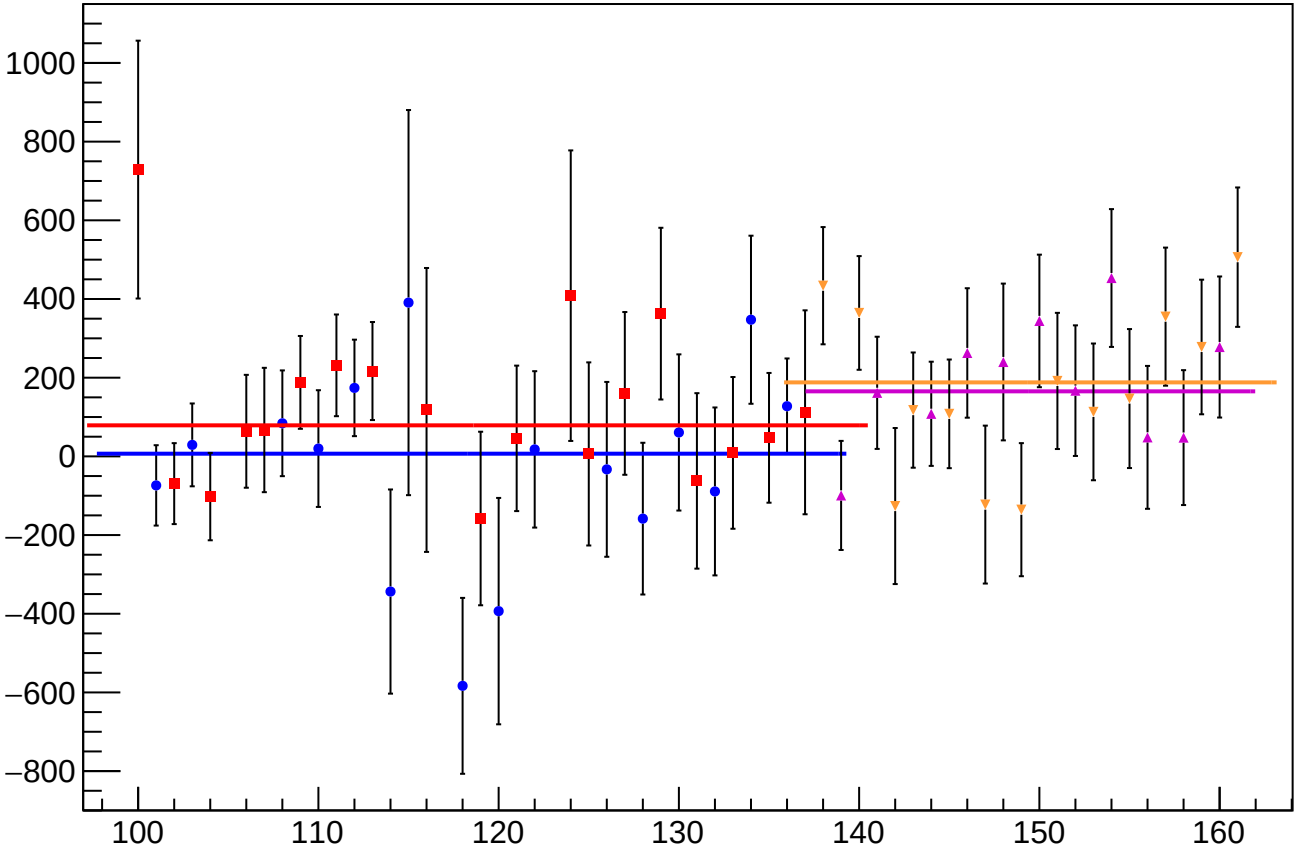
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3164465.0/26

Out: 0.000+/-0.000 χ^2/NDF:3490236.6/31

All: 0.000+/-0.000 χ^2/NDF: 6655284.5/58

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 188.053+/-45.918 χ^2/NDF:18.0/12

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 165.282+/-48.796 χ^2/NDF:9.4/10

Left: 177.359+/-33.440 χ^2/NDF: 27.5/23

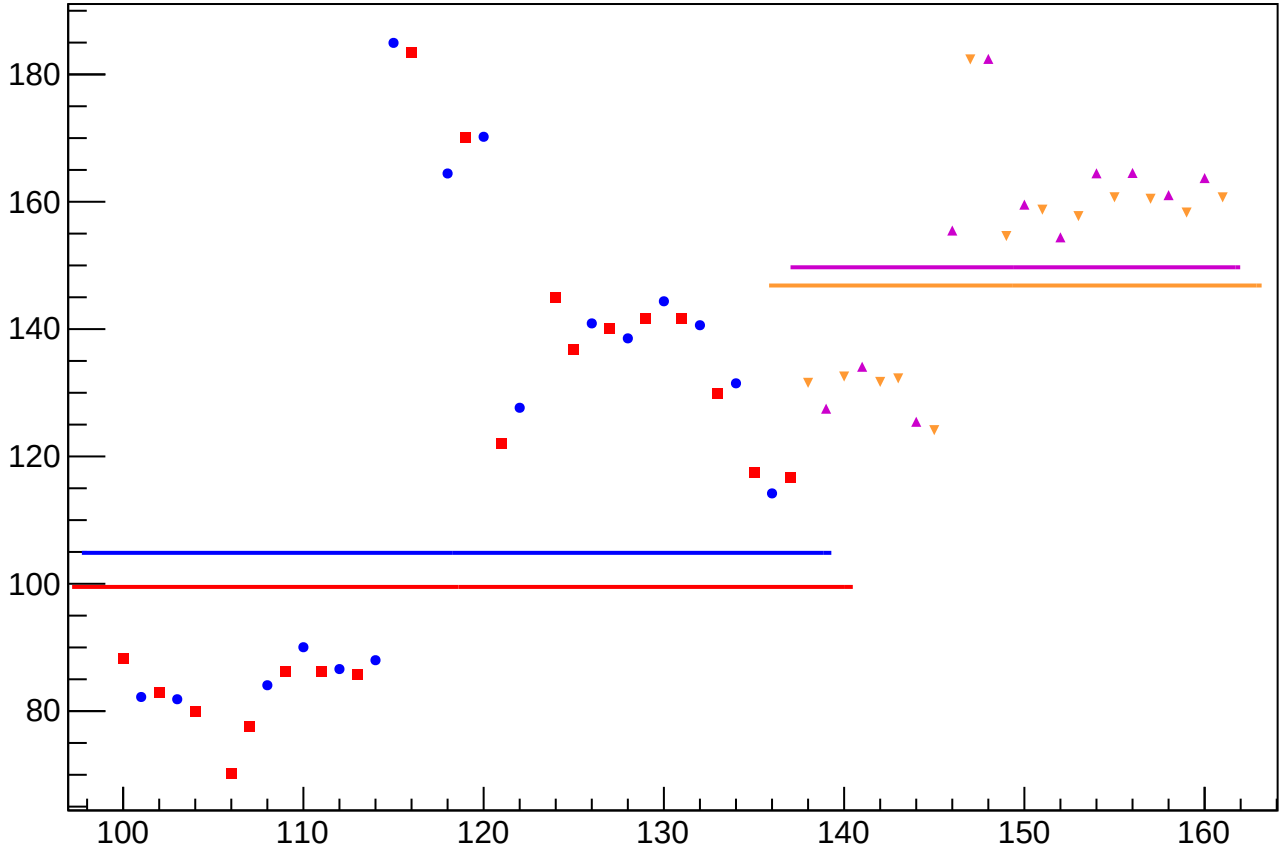
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 71.171+/-31.097 χ^2/NDF:34.5/26

Out: 123.127+/-29.232 χ^2/NDF:38.0/31

All: 98.754+/-21.299 χ^2/NDF: 74.0/58

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

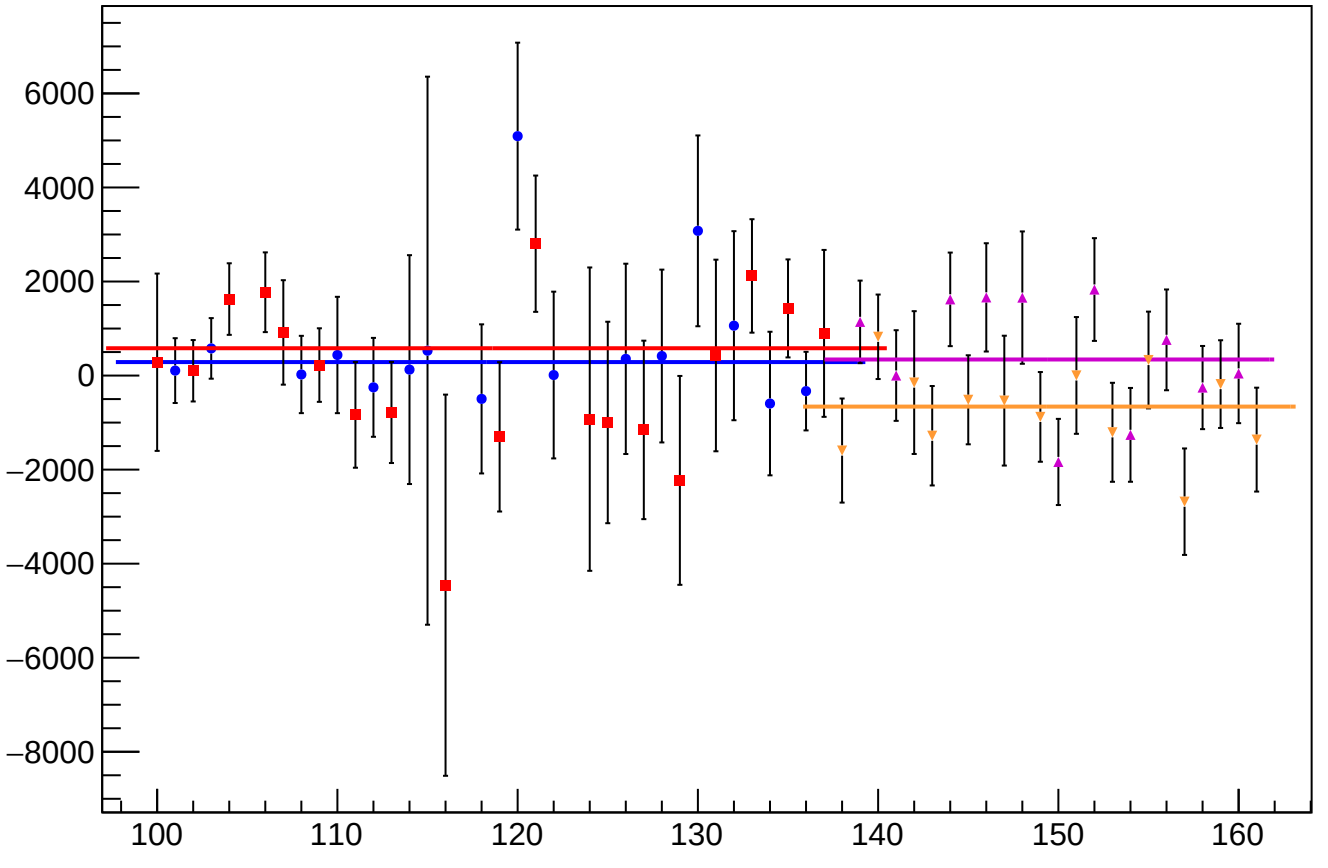
Left: 148.191+/-0.024 χ^2/NDF: 515461.9/23

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 123.075+/-0.022 χ^2/NDF:2190433.0/26

Out: 118.694+/-0.021 χ^2/NDF:2559244.1/31

All: 120.749+/-0.015 χ^2/NDF: 4770751.2/58



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -659.845+/-296.590 χ^2/NDF:9.3/12

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -173.612+/-212.765 χ^2/NDF: 30.4/23

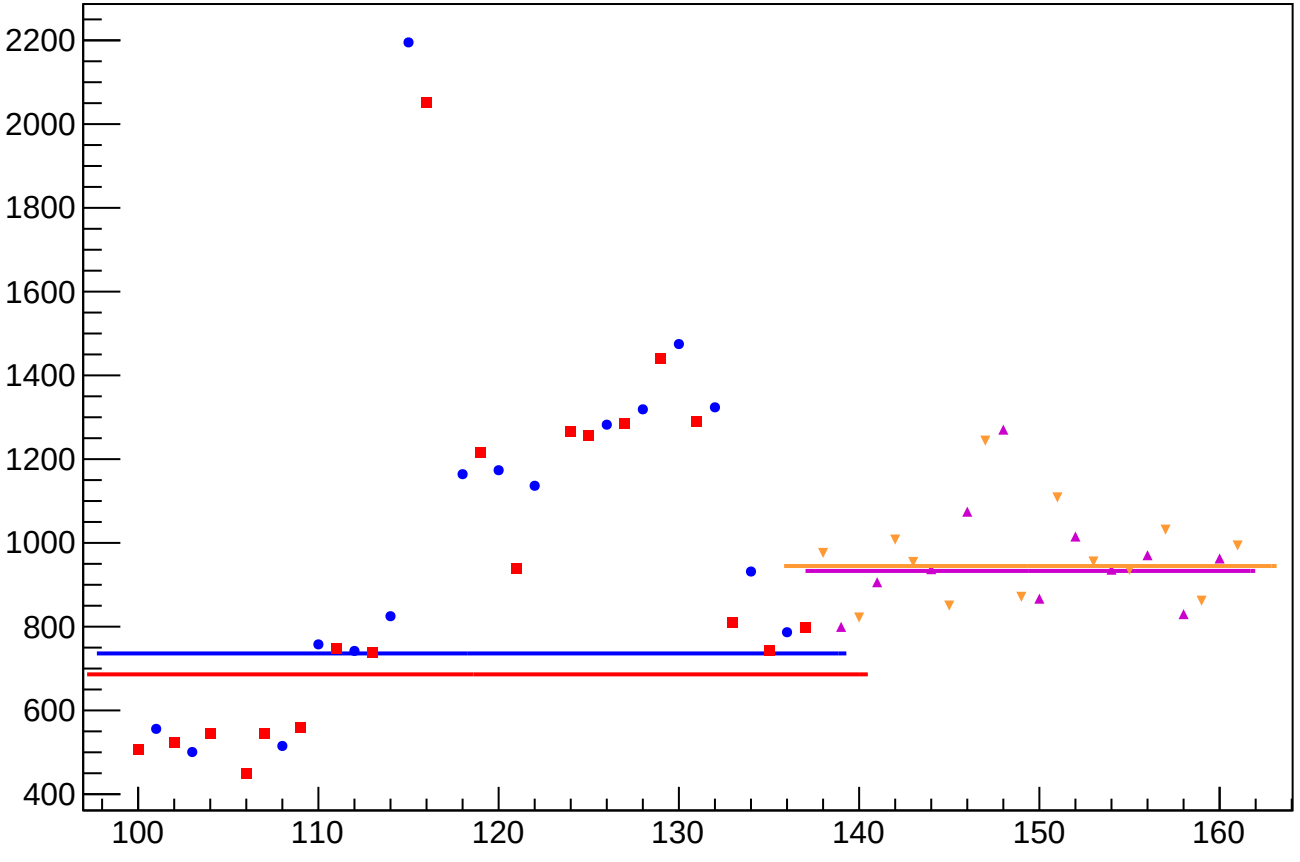
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 313.319+/-211.606 χ^2/NDF:25.3/26

Out: 19.314+/-199.568 χ^2/NDF:37.7/31

All: 157.717+/-145.185 χ^2/NDF: 64.0/58

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 944.795+/-0.210 χ^2/NDF:235181.8/12

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 933.057+/-0.216 χ^2/NDF:246053.2/10

Left: 939.098+/-0.150 χ^2/NDF: 482755.6/23

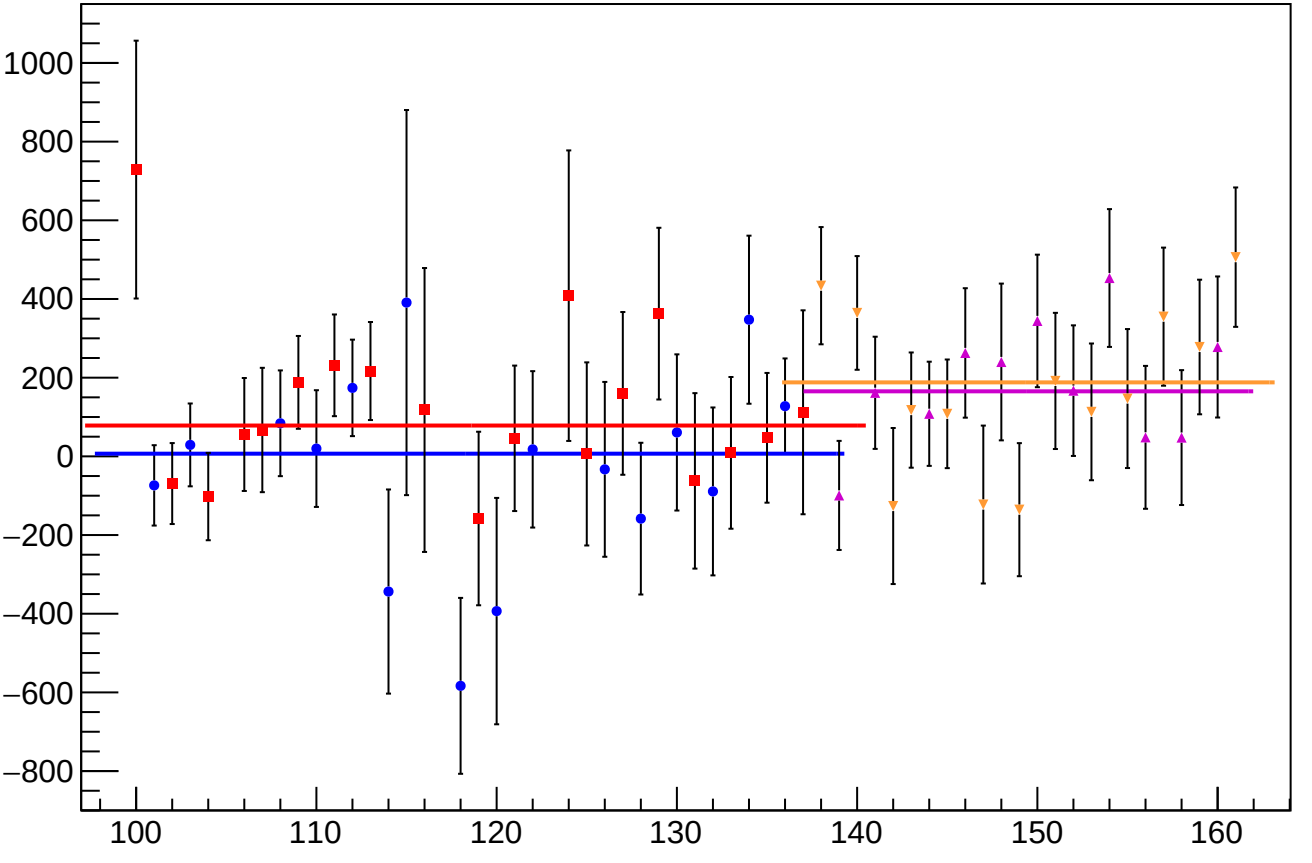
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 830.652+/-0.150 χ^2/NDF:2523103.8/26

Out: 803.231+/-0.141 χ^2/NDF:2886970.3/31

All: 816.139+/-0.103 χ^2/NDF: 5427848.2/58

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 188.047+/-45.918 χ^2/NDF:18.0/12

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 165.286+/-48.796 χ^2/NDF:9.4/10

Left: 177.357+/-33.440 χ^2/NDF: 27.5/23

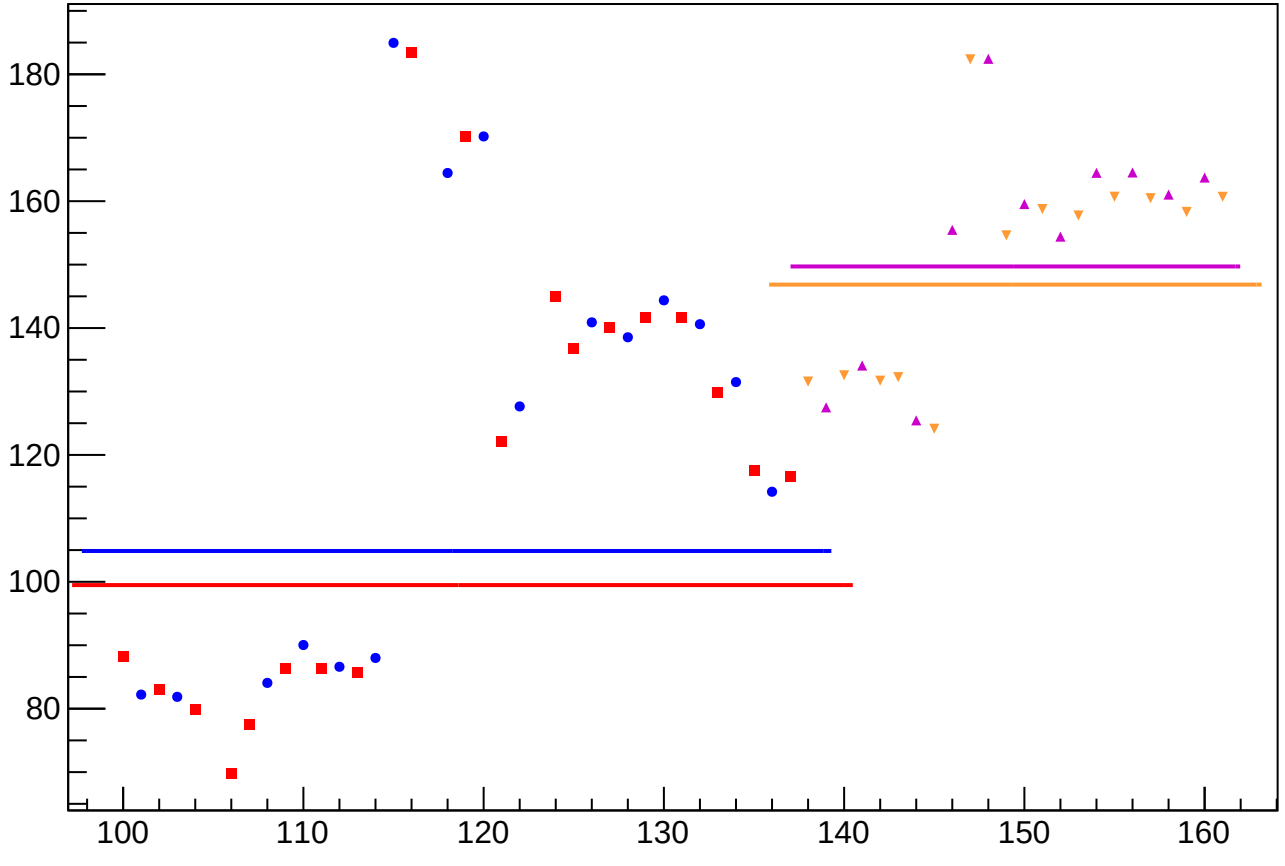
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 71.166+/-31.097 χ^2/NDF:34.5/26

Out: 122.810+/-29.234 χ^2/NDF:38.1/31

All: 98.582+/-21.300 χ^2/NDF: 74.0/58

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

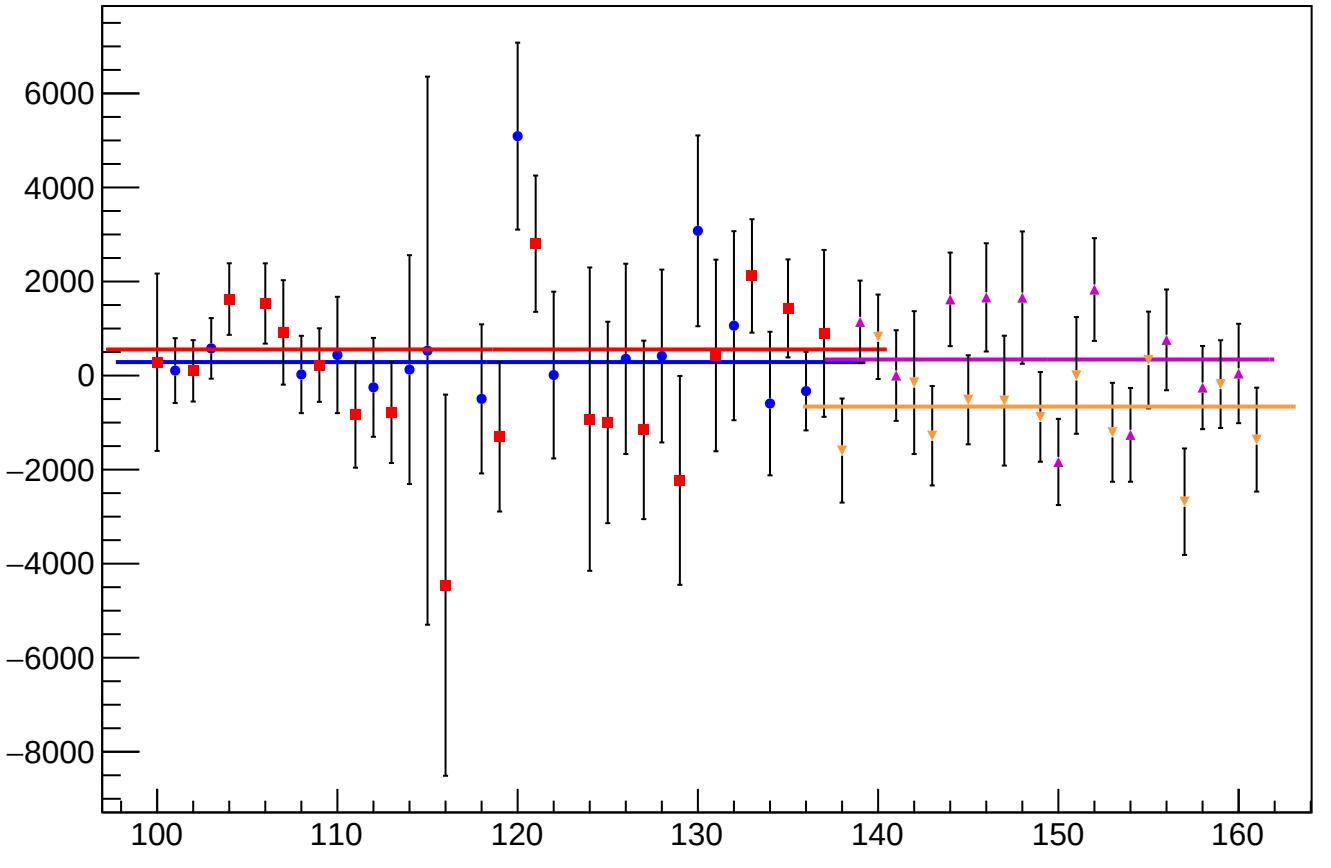
Left: 148.191+/-0.024 χ^2/NDF: 515461.9/23

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 123.075+/-0.022 χ^2/NDF:2190431.6/26

Out: 118.681+/-0.021 χ^2/NDF:2562634.5/31

All: 120.742+/-0.015 χ^2/NDF: 4774260.7/58



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -659.846+/-296.591 χ^2/NDF:9.3/12

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -173.612+/-212.765 χ^2/NDF: 30.4/23

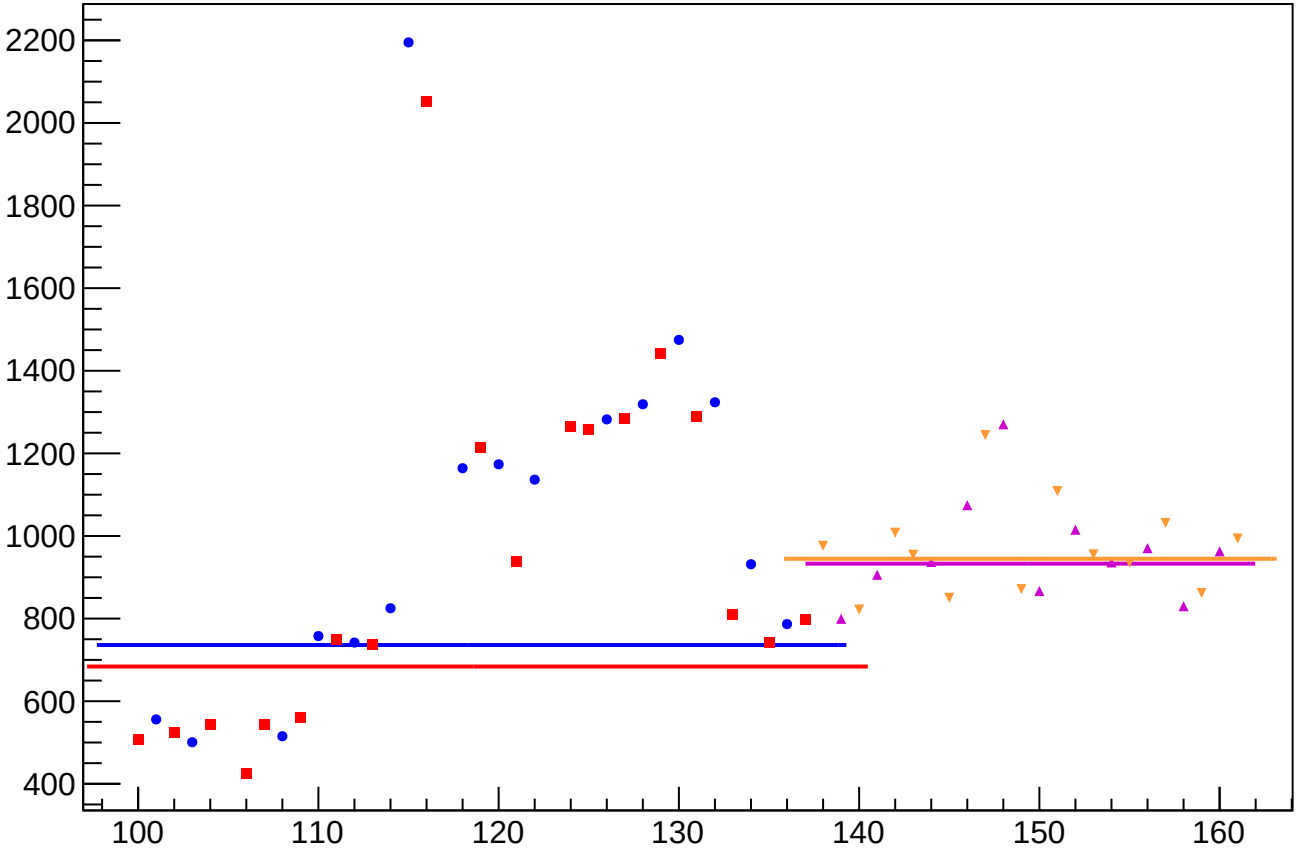
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 313.321+/-211.605 χ^2/NDF:25.3/26

Out: 4.808+/-199.640 χ^2/NDF:36.5/31

All: 150.096+/-145.213 χ^2/NDF: 62.9/58

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.796+/-0.210 χ^2/NDF:235182.0/12

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

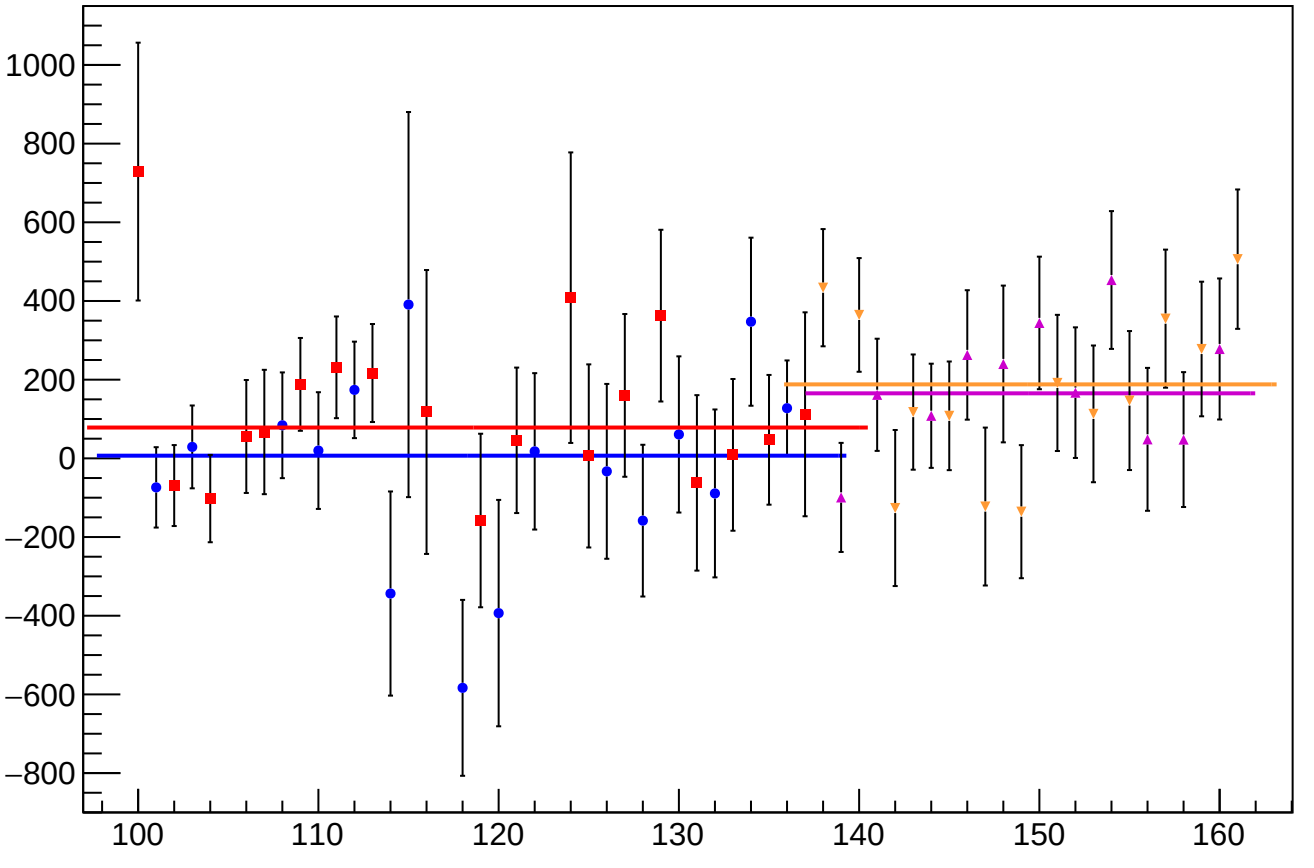
Left: 939.098+/-0.150 χ^2/NDF: 482755.3/23

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 830.651+/-0.150 χ^2/NDF:2523108.0/26

Out: 802.152+/-0.141 χ^2/NDF:2931445.1/31

All: 815.573+/-0.103 χ^2/NDF: 5473746.2/58



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 188.047+/-45.918 χ^2/NDF:18.0/12

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 165.286+/-48.796 χ^2/NDF:9.4/10

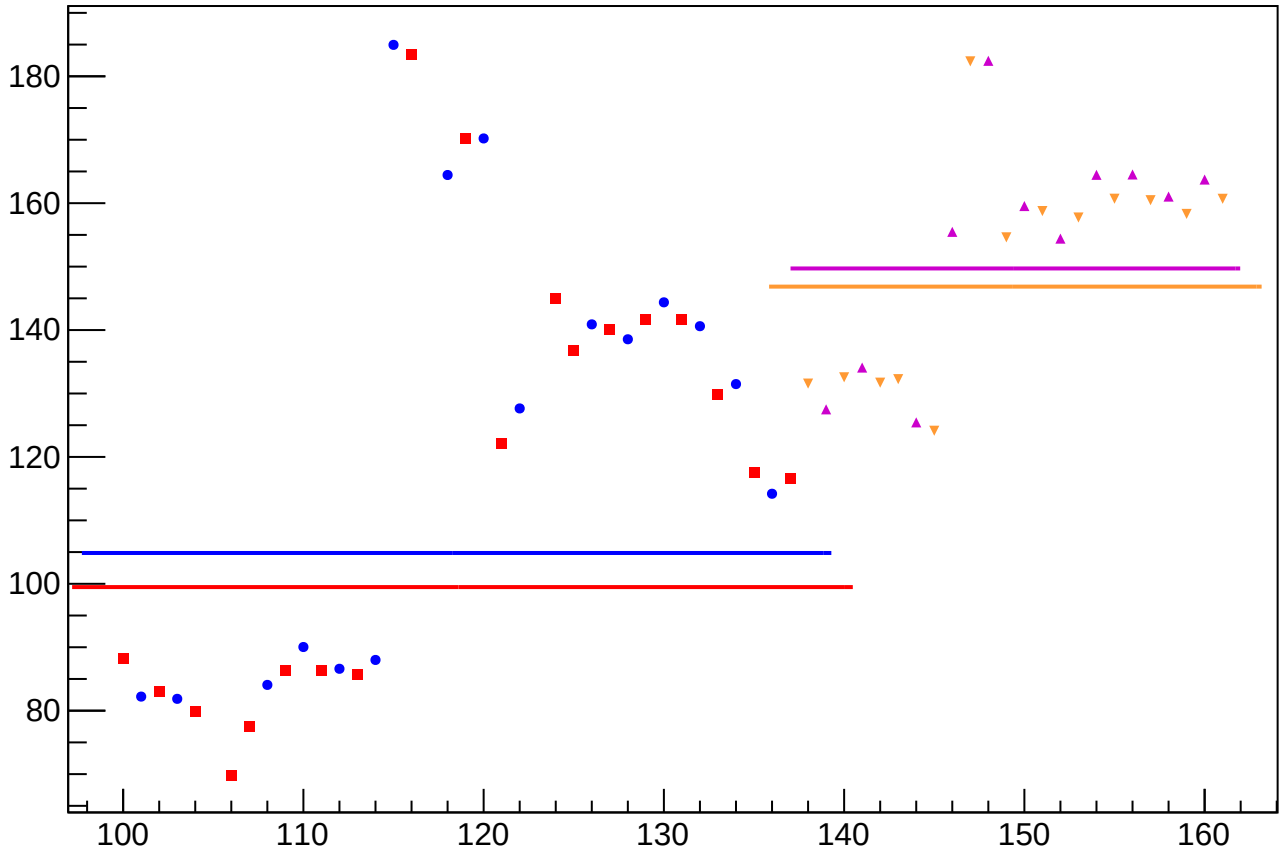
Left: 177.357+/-33.440 χ^2/NDF: 27.5/23

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 71.166+/-31.097 χ^2/NDF:34.5/26

Out: 122.810+/-29.234 χ^2/NDF:38.1/31

All: 98.582+/-21.300 χ^2/NDF: 74.0/58



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

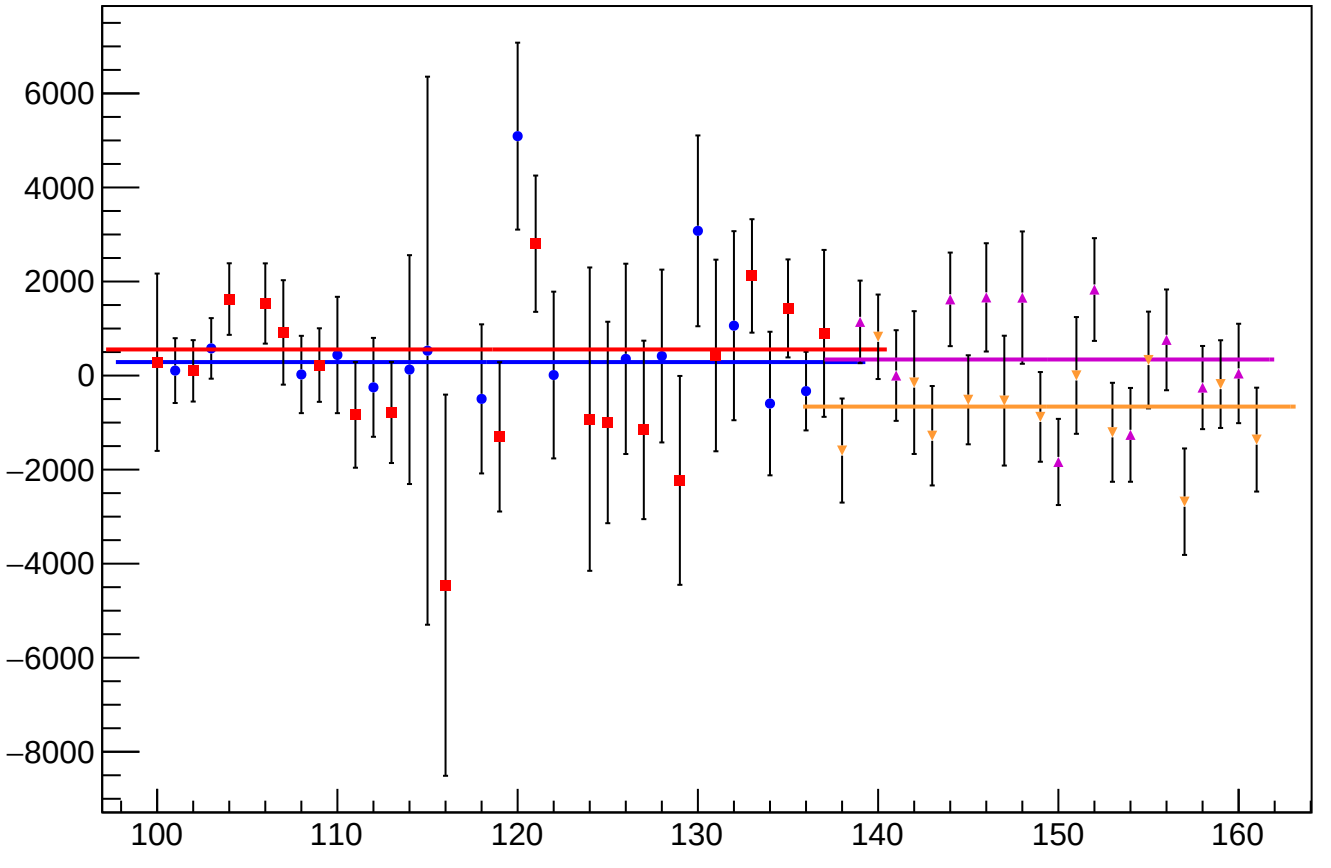
Left: 148.191+/-0.024 χ^2/NDF: 515461.9/23

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 123.075+/-0.022 χ^2/NDF:2190431.6/26

Out: 118.681+/-0.021 χ^2/NDF:2562634.5/31

All: 120.742+/-0.015 χ^2/NDF: 4774260.7/58



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -659.846+/-296.591 χ^2/NDF:9.3/12

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 341.912+/-305.393 χ^2/NDF:15.6/10

Left: -173.612+/-212.765 χ^2/NDF: 30.4/23

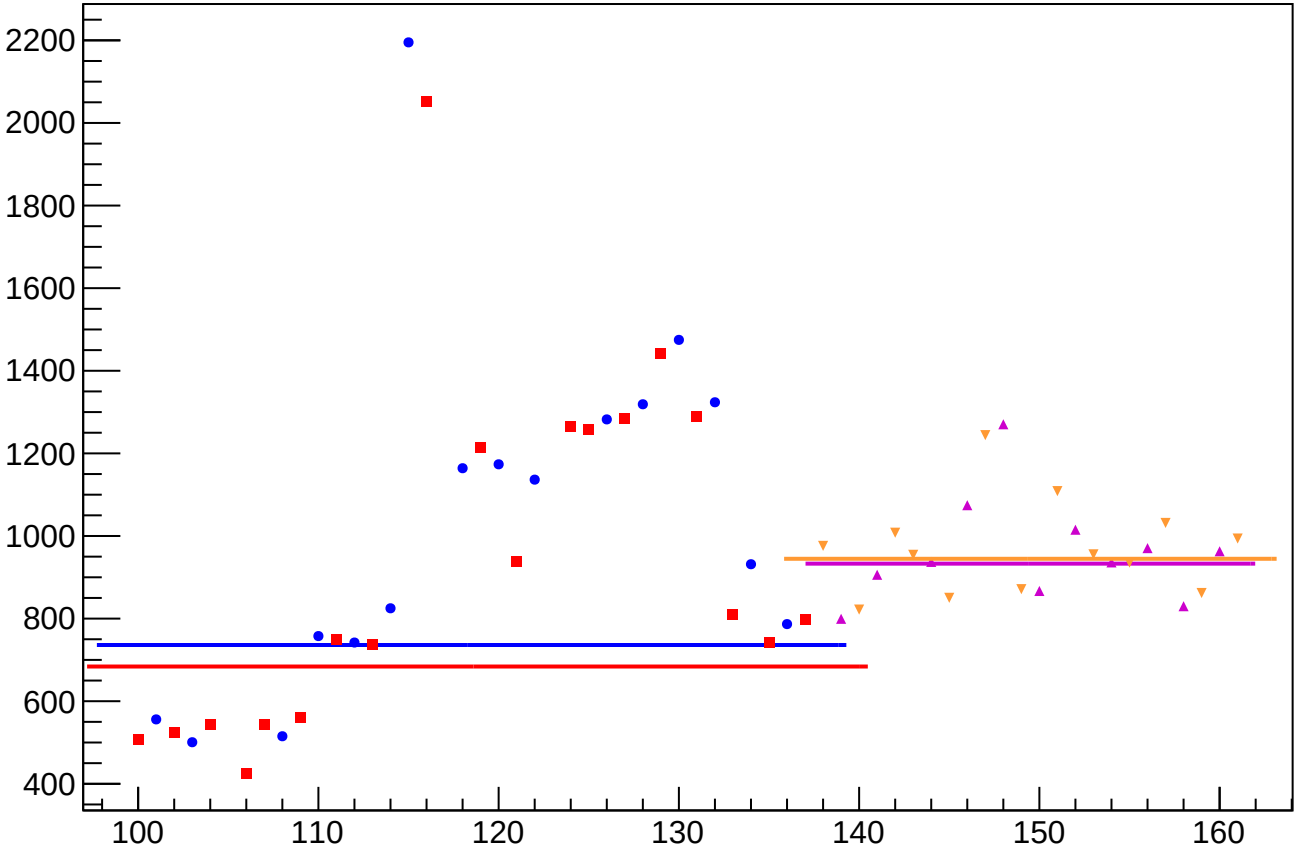
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 313.321+/-211.605 χ^2/NDF:25.3/26

Out: 4.808+/-199.640 χ^2/NDF:36.5/31

All: 150.096+/-145.213 χ^2/NDF: 62.9/58

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.796+/-0.210 χ^2/NDF:235182.0/12

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

Left: 939.098+/-0.150 χ^2/NDF: 482755.3/23

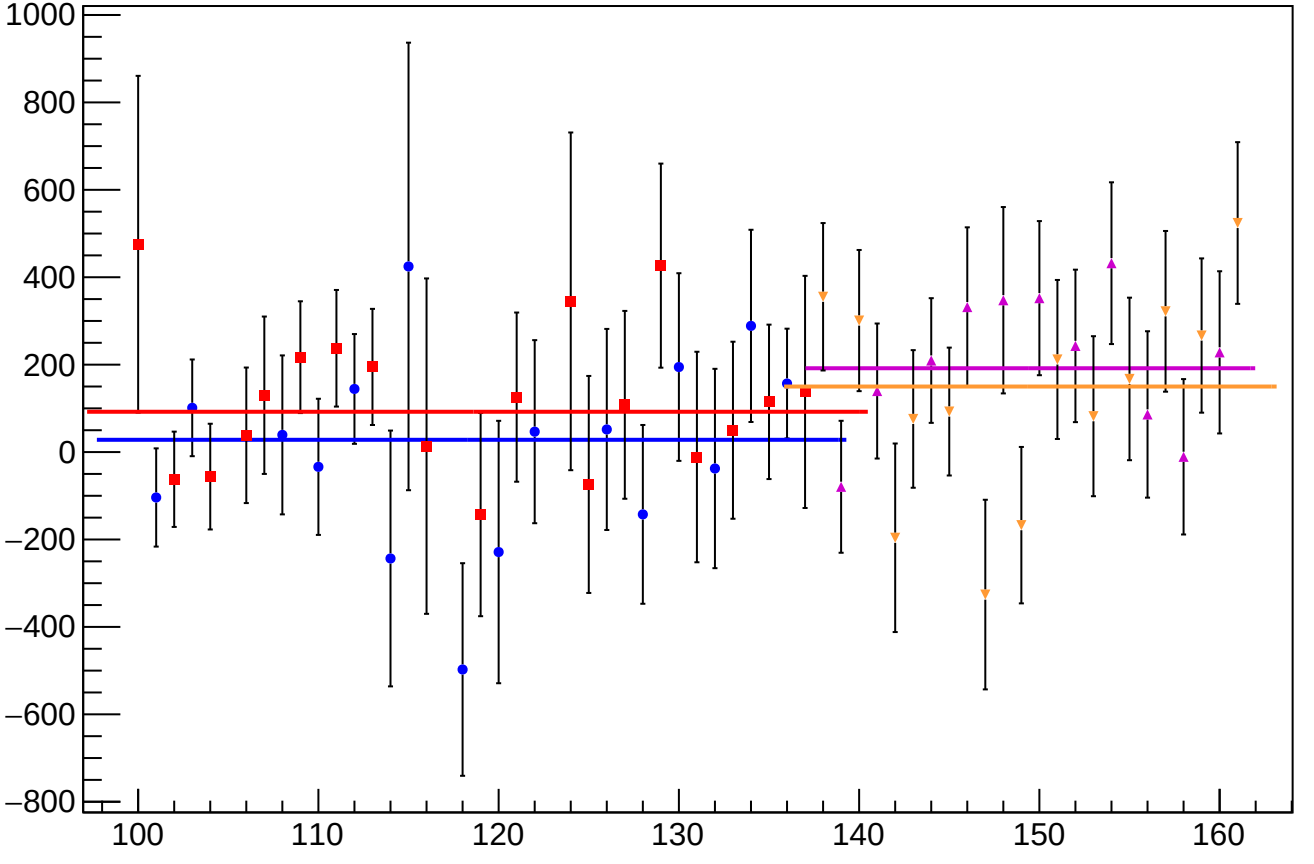
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 830.651+/-0.150 χ^2/NDF:2523108.0/26

Out: 802.152+/-0.141 χ^2/NDF:2931445.1/31

All: 815.573+/-0.103 χ^2/NDF: 5473746.2/58

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.954+/-49.121 χ^2/NDF:18.9/12

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 191.787+/-52.020 χ^2/NDF:8.7/10

Left: 169.673+/-35.715 χ^2/NDF: 28.0/23

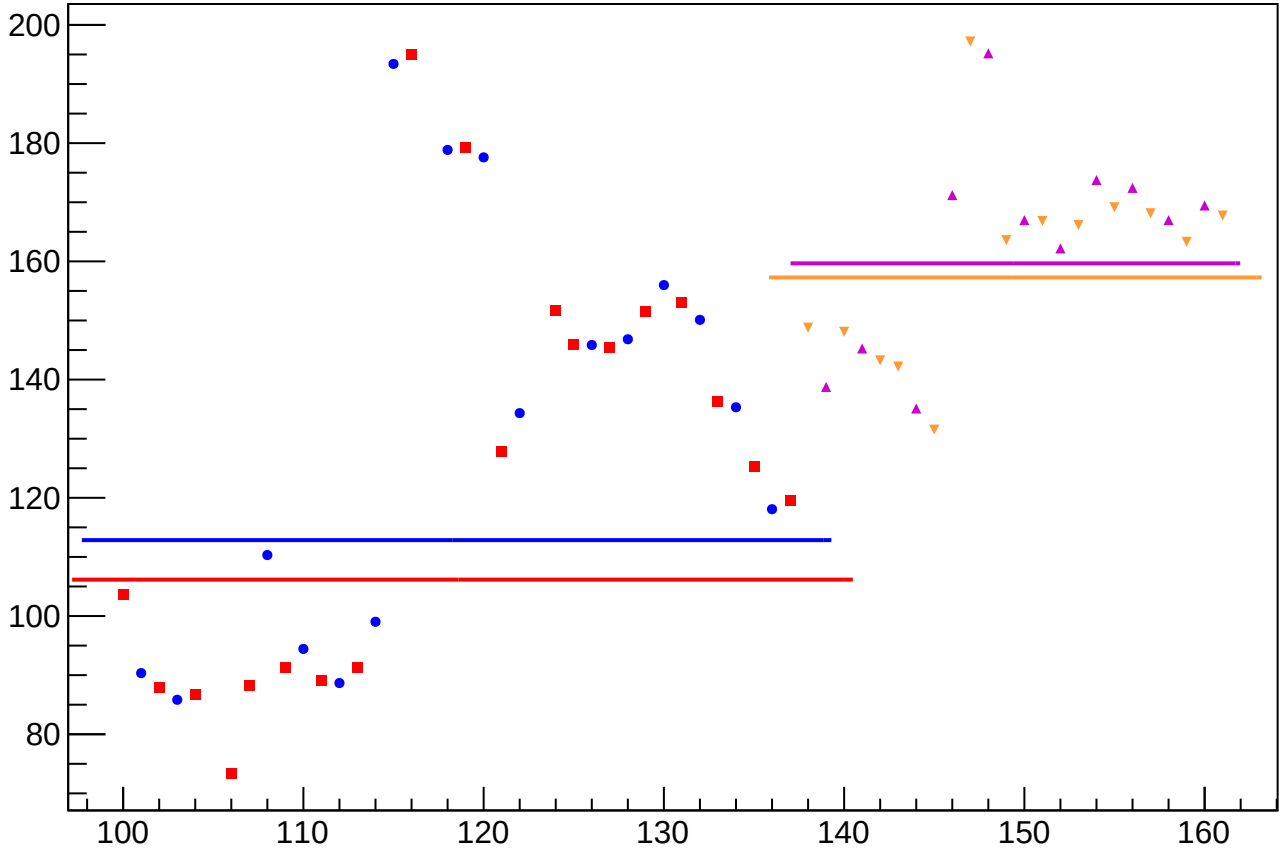
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 95.343+/-33.343 χ^2/NDF:28.1/26

Out: 115.627+/-31.266 χ^2/NDF:31.5/31

All: 106.136+/-22.807 χ^2/NDF: 59.8/58

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 157.274+/-0.035 χ^2/NDF:204546.8/12

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 159.665+/-0.037 χ^2/NDF:211971.7/10

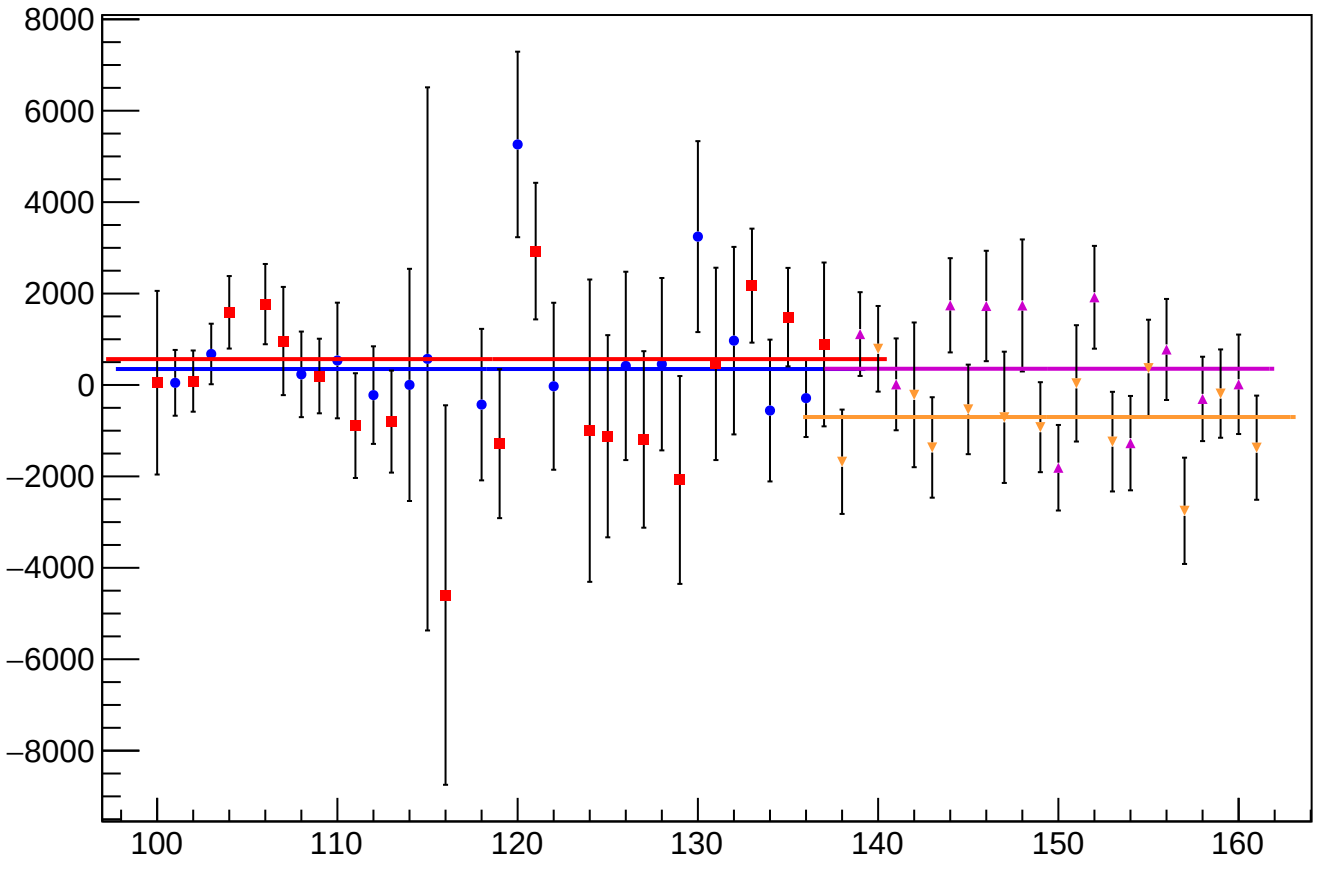
Left: 158.401+/-0.025 χ^2/NDF: 418753.3/23

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 132.079+/-0.024 χ^2/NDF:2038844.1/26

Out: 126.868+/-0.022 χ^2/NDF:2494952.6/31

All: 129.306+/-0.016 χ^2/NDF: 4559786.1/58



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -700.949+/-306.780 χ^2/NDF:9.2/12

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 354.809+/-316.295 χ^2/NDF:15.4/10

Left: -189.189+/-220.213 χ^2/NDF: 30.2/23

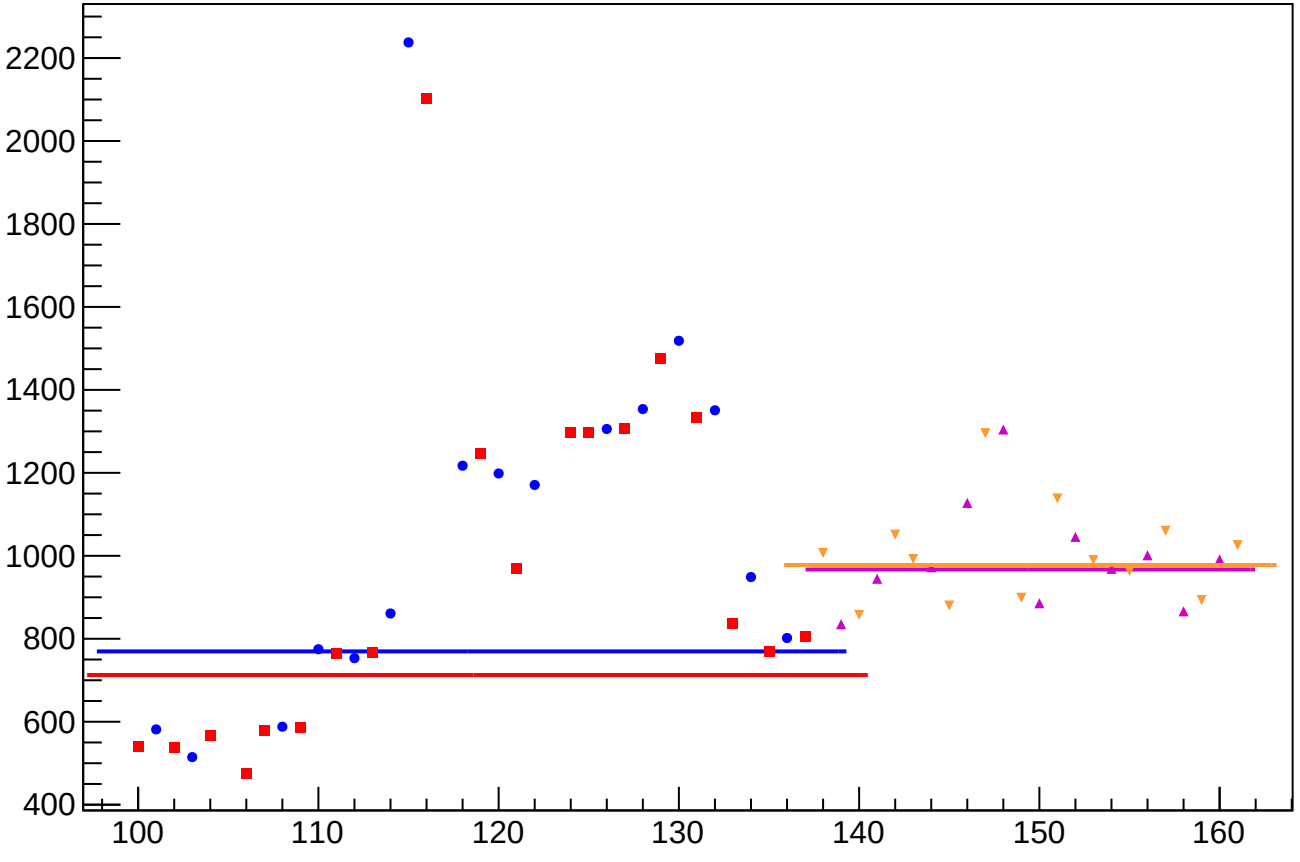
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 351.860+/-219.674 χ^2/NDF:25.2/26

Out: -8.004+/-206.495 χ^2/NDF:36.8/31

All: 160.810+/-150.458 χ^2/NDF: 63.4/58

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 977.812+/-0.217 χ^2/NDF:230975.3/12

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 966.917+/-0.224 χ^2/NDF:238764.6/10

Left: 972.531+/-0.156 χ^2/NDF: 470962.6/23

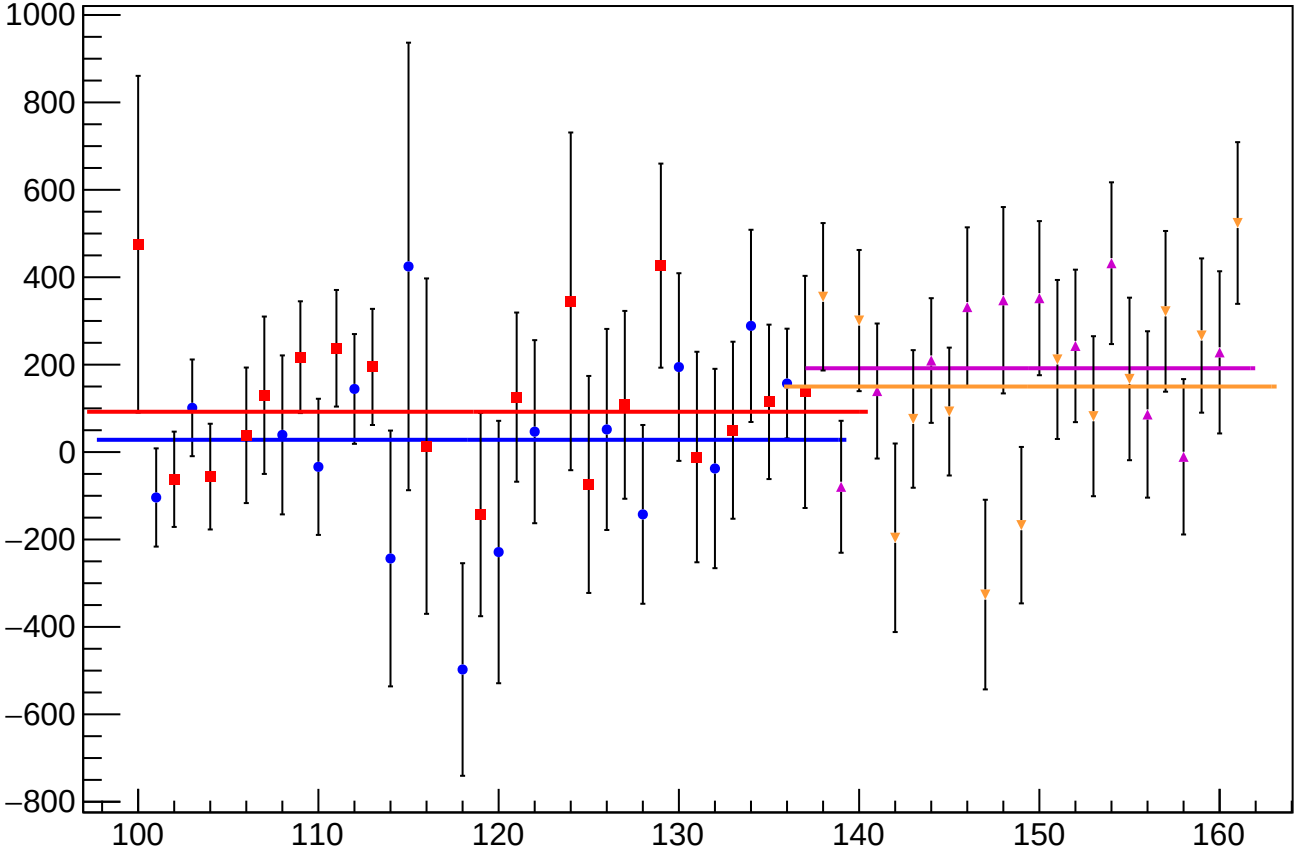
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 864.756+/-0.155 χ^2/NDF:2381777.3/26

Out: 832.775+/-0.146 χ^2/NDF:2815536.4/31

All: 847.778+/-0.106 χ^2/NDF: 5219818.0/58

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.955+/-49.121 χ^2/NDF:18.9/12

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 191.788+/-52.020 χ^2/NDF:8.7/10

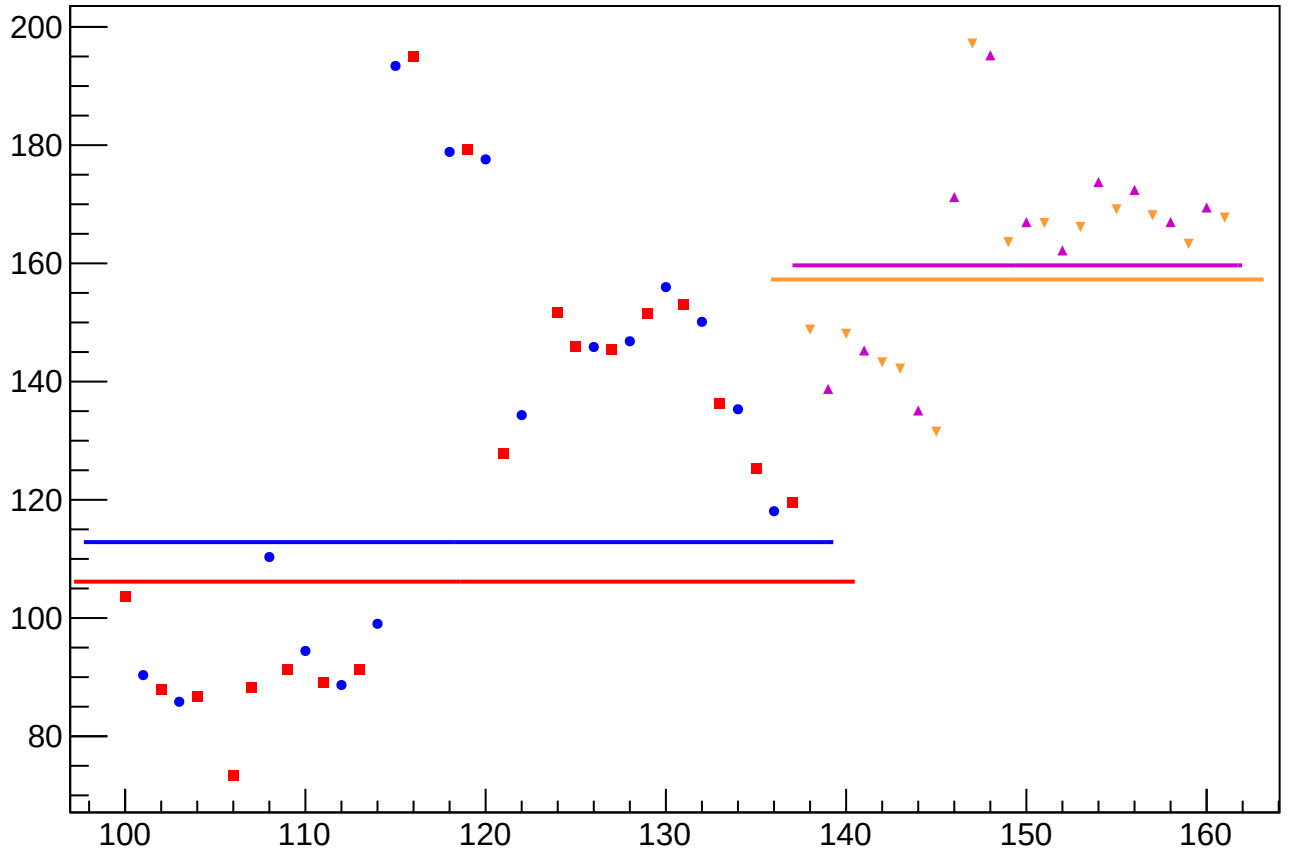
Left: 169.673+/-35.715 χ^2/NDF: 28.0/23

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 95.342+/-33.343 χ^2/NDF:28.1/26

Out: 115.628+/-31.266 χ^2/NDF:31.5/31

All: 106.136+/-22.807 χ^2/NDF: 59.8/58



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 157.274+/-0.035 χ^2/NDF:204547.5/12

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 159.666+/-0.037 χ^2/NDF:211969.2/10

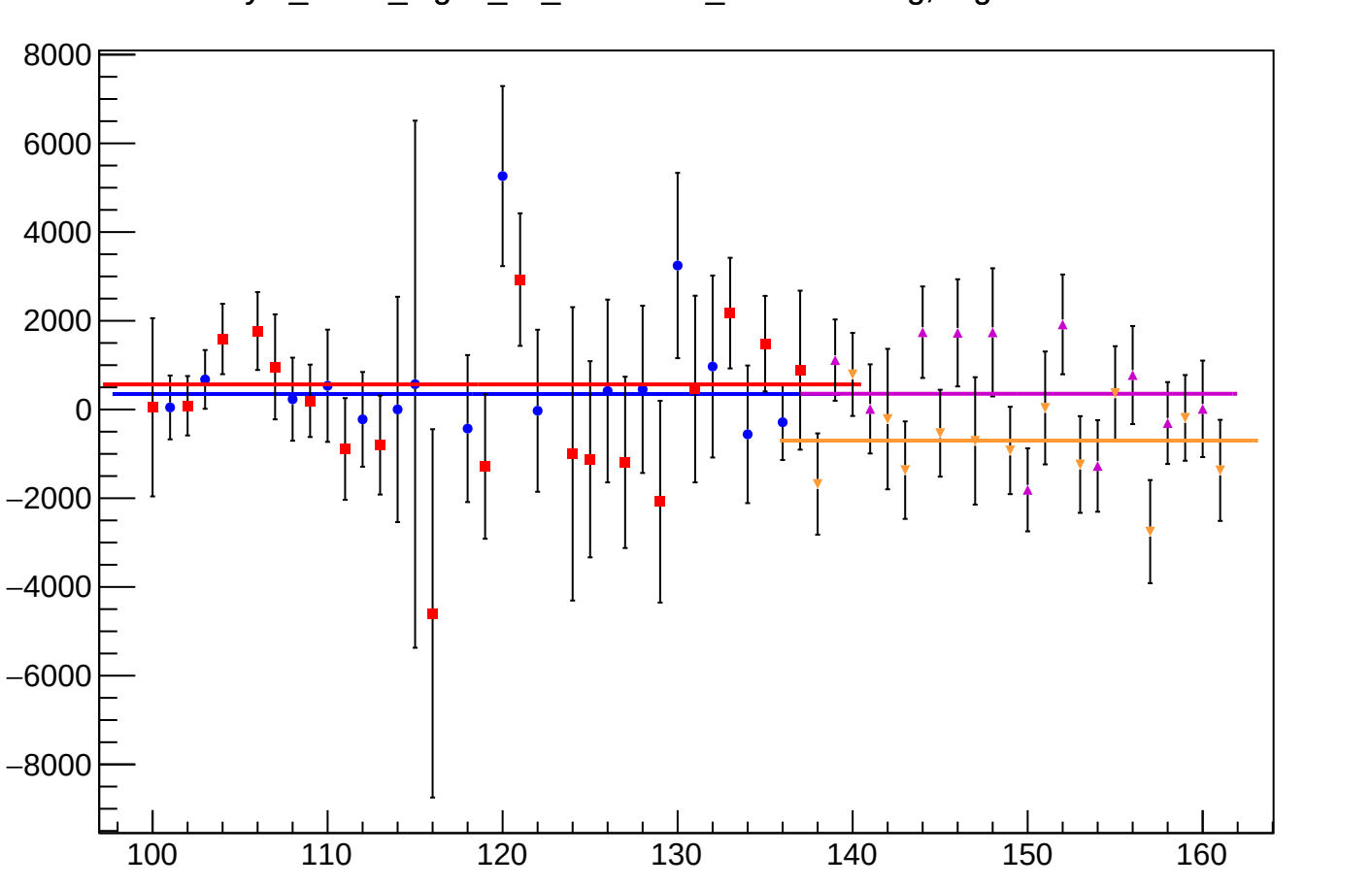
Left: 158.401+/-0.025 χ^2/NDF: 418751.7/23

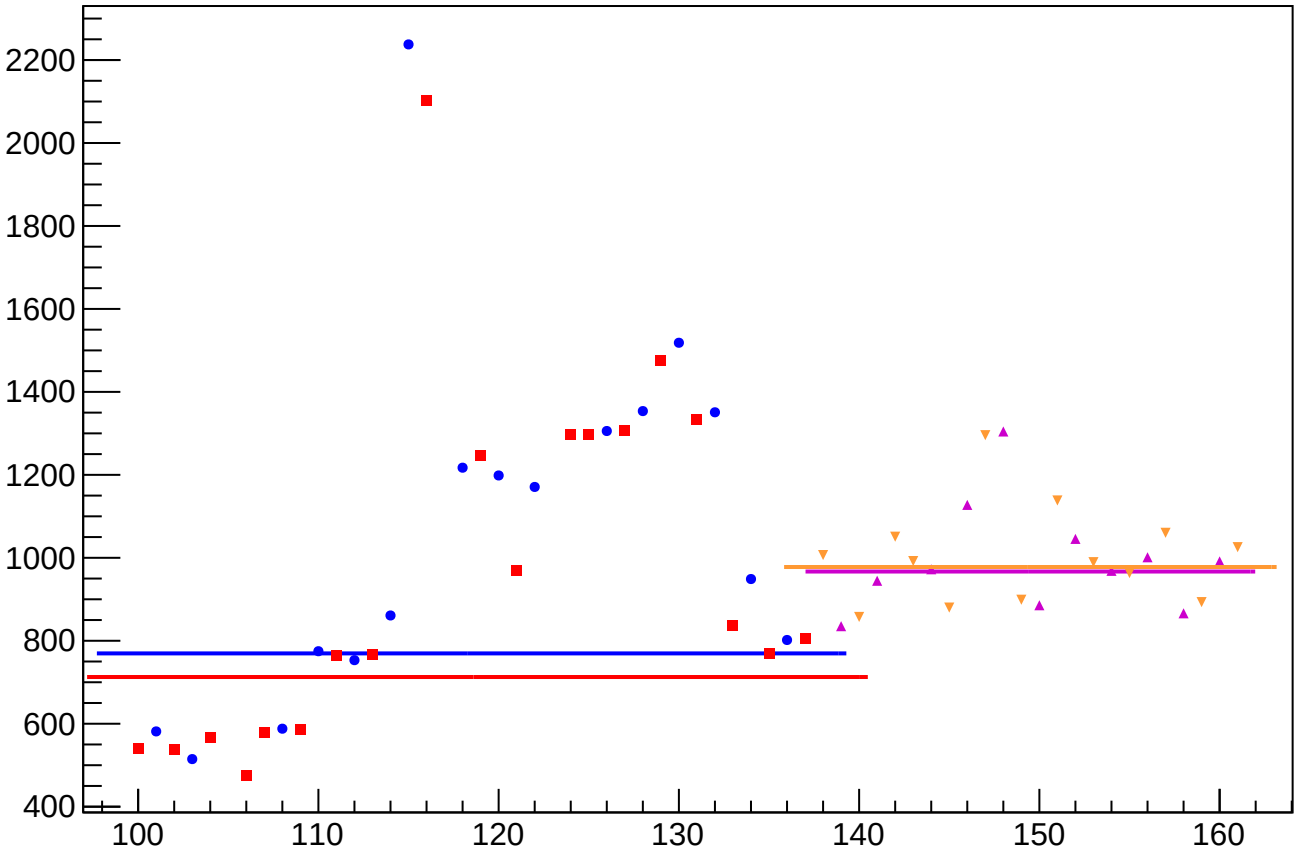
Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 132.078+/-0.024 χ^2/NDF:2038862.3/26

Out: 126.868+/-0.022 χ^2/NDF:2494962.7/31

All: 129.306+/-0.016 χ^2/NDF: 4559814.5/58


asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 349.111+/-305.328 χ²/NDF: 9.8/15
Left Out: -700.950+/-306.780 χ²/NDF:9.2/12
Right Out: 566.026+/-279.218 χ²/NDF: 18.3/18
Left In: 354.810+/-316.295 χ²/NDF:15.4/10
Left: -189.189+/-220.213 χ²/NDF: 30.2/23
Right: 467.238+/-206.050 χ²/NDF: 28.4/34
In: 351.860+/-219.674 χ²/NDF:25.2/26
Out: -8.002+/-206.495 χ²/NDF:36.8/31
All: 160.811+/-150.458 χ²/NDF: 63.4/58



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 977.813+/-0.217 χ^2/NDF:230976.1/12

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 966.918+/-0.224 χ^2/NDF:238765.8/10

Left: 972.532+/-0.156 χ^2/NDF: 470964.6/23

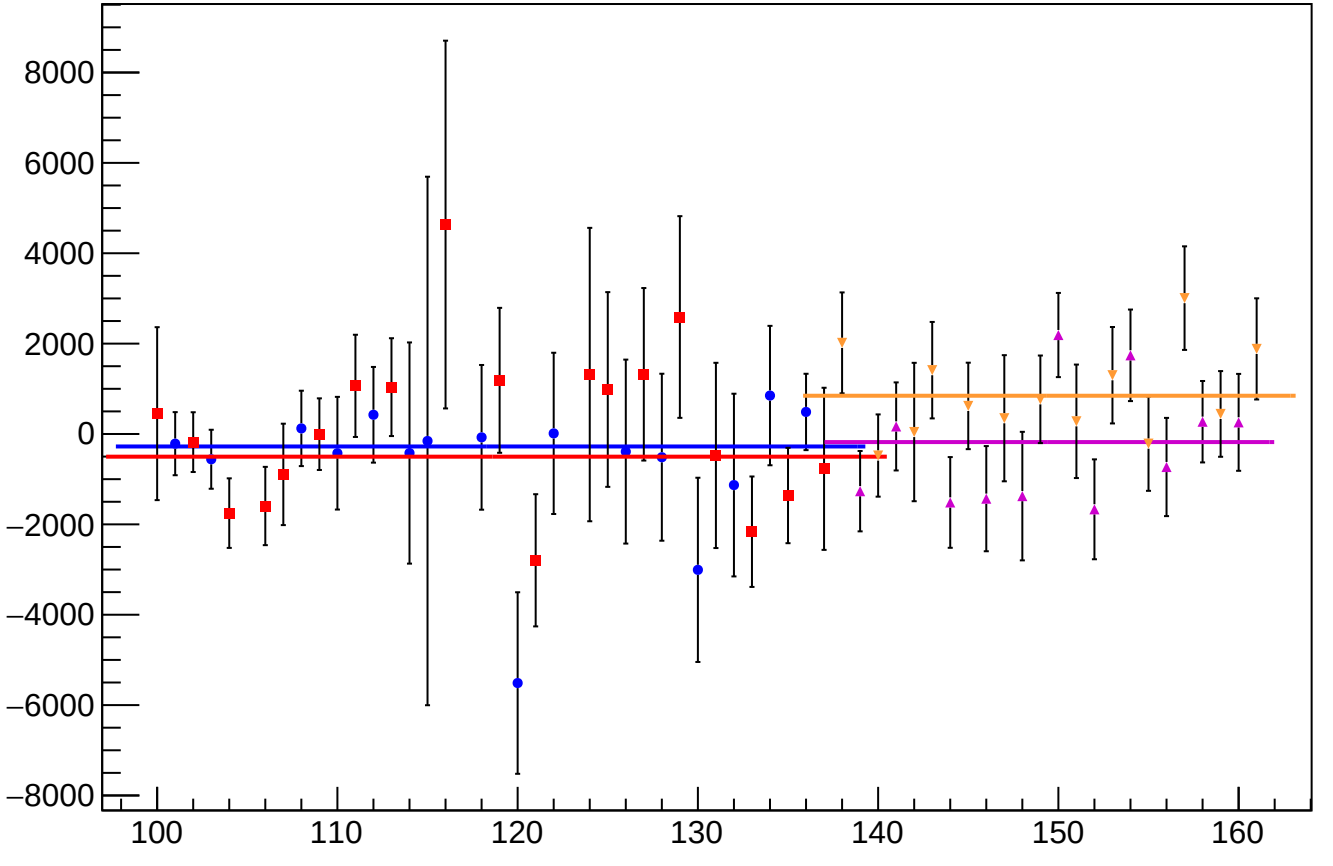
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 864.756+/-0.155 χ^2/NDF:2381787.0/26

Out: 832.775+/-0.146 χ^2/NDF:2815546.7/31

All: 847.778+/-0.106 χ^2/NDF: 5219838.2/58

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 846.578+/-300.363 χ^2/NDF:10.0/12

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -179.001+/-309.567 χ^2/NDF:17.8/10

Left: 349.262+/-215.569 χ^2/NDF: 33.4/23

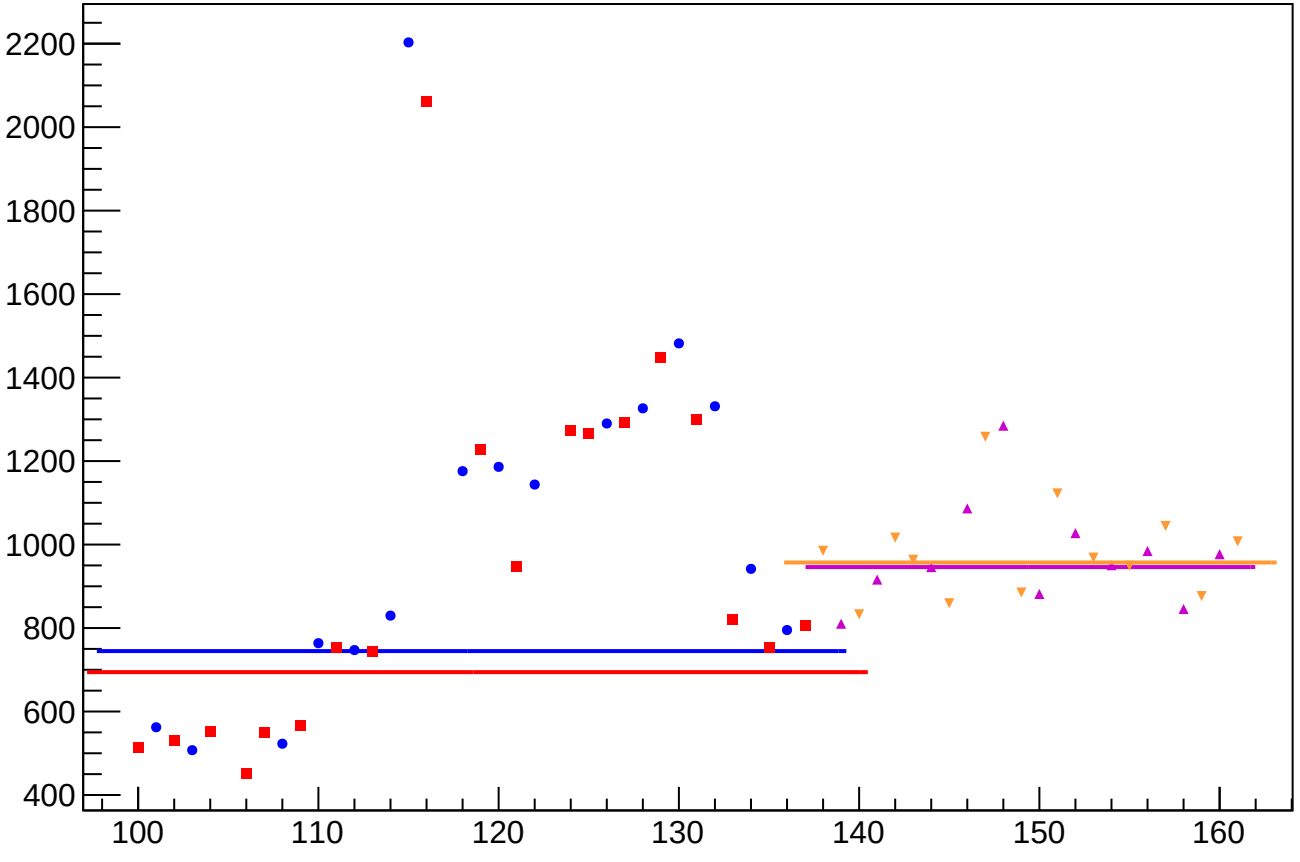
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -229.660+/-214.206 χ^2/NDF:28.9/26

Out: 108.062+/-202.019 χ^2/NDF:41.5/31

All: -50.919+/-146.969 χ^2/NDF: 71.7/58

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 957.073+/-0.212 χ^2/NDF:231820.2/12

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 946.116+/-0.219 χ^2/NDF:240476.0/10

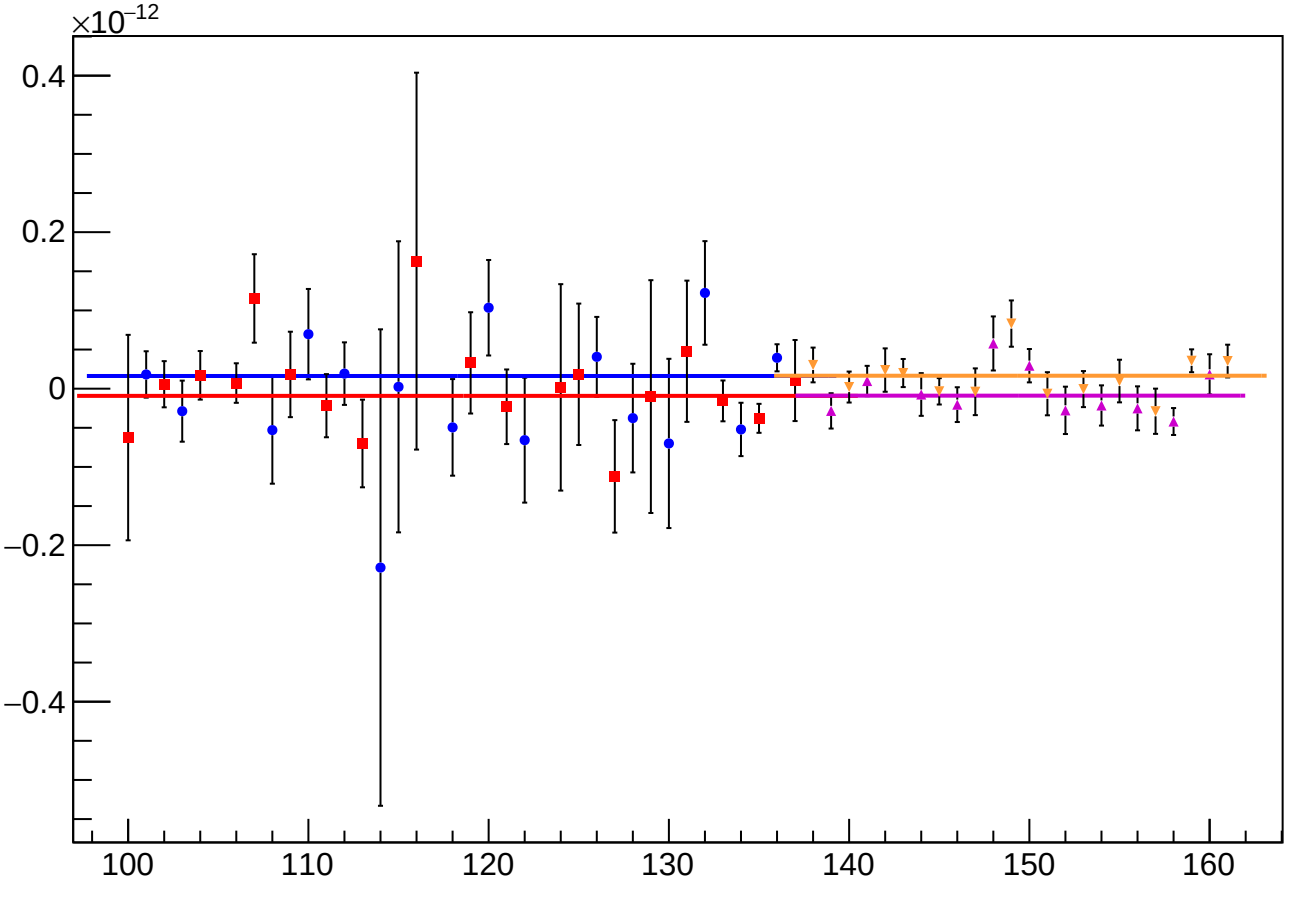
Left: 951.760+/-0.152 χ^2/NDF: 473586.7/23

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 841.181+/-0.151 χ^2/NDF:2503945.9/26

Out: 813.197+/-0.143 χ^2/NDF:2873532.0/31

All: 826.370+/-0.104 χ^2/NDF: 5395544.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/10

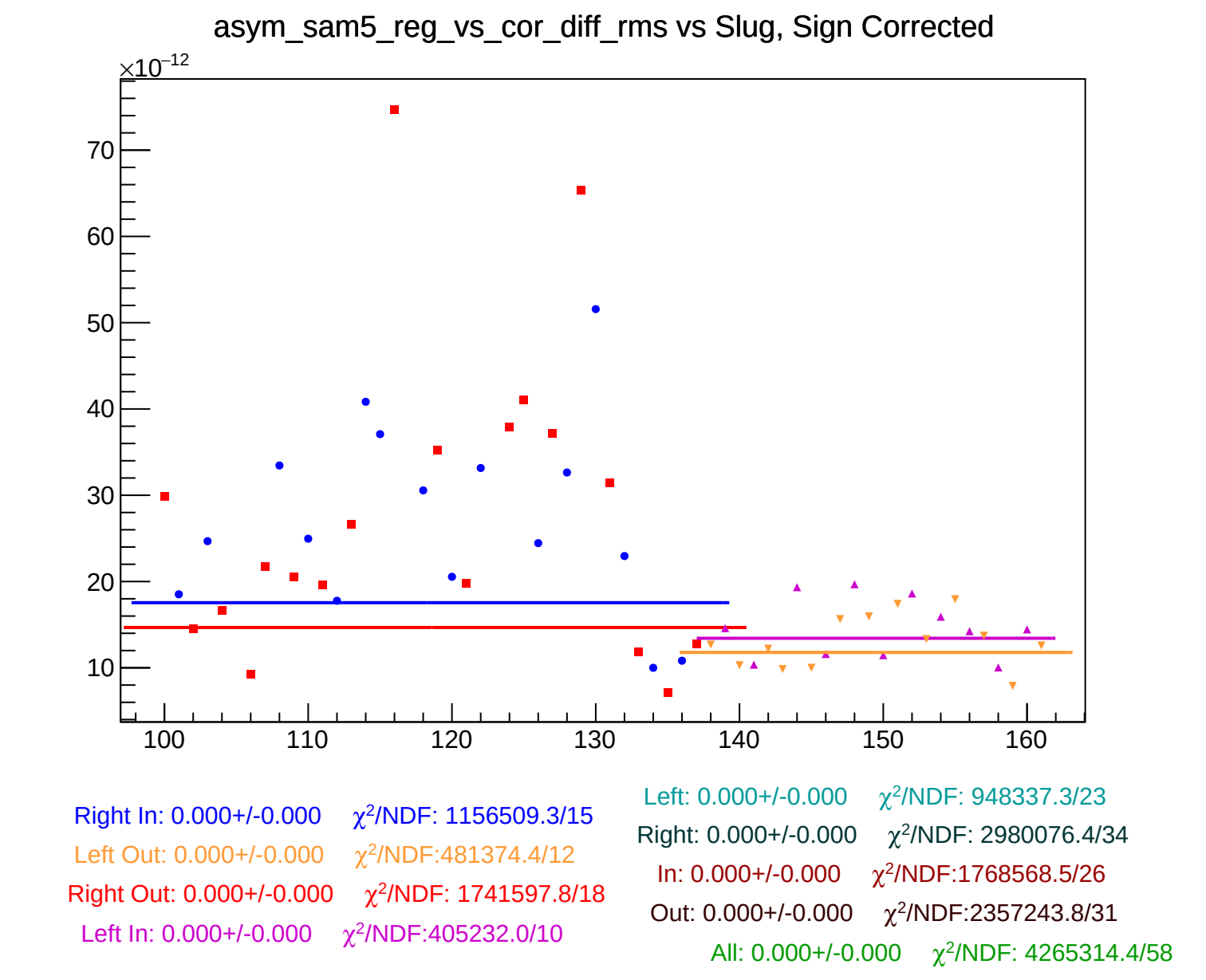
Left: 0.000+/-0.000 χ^2/NDF: 36.4/23

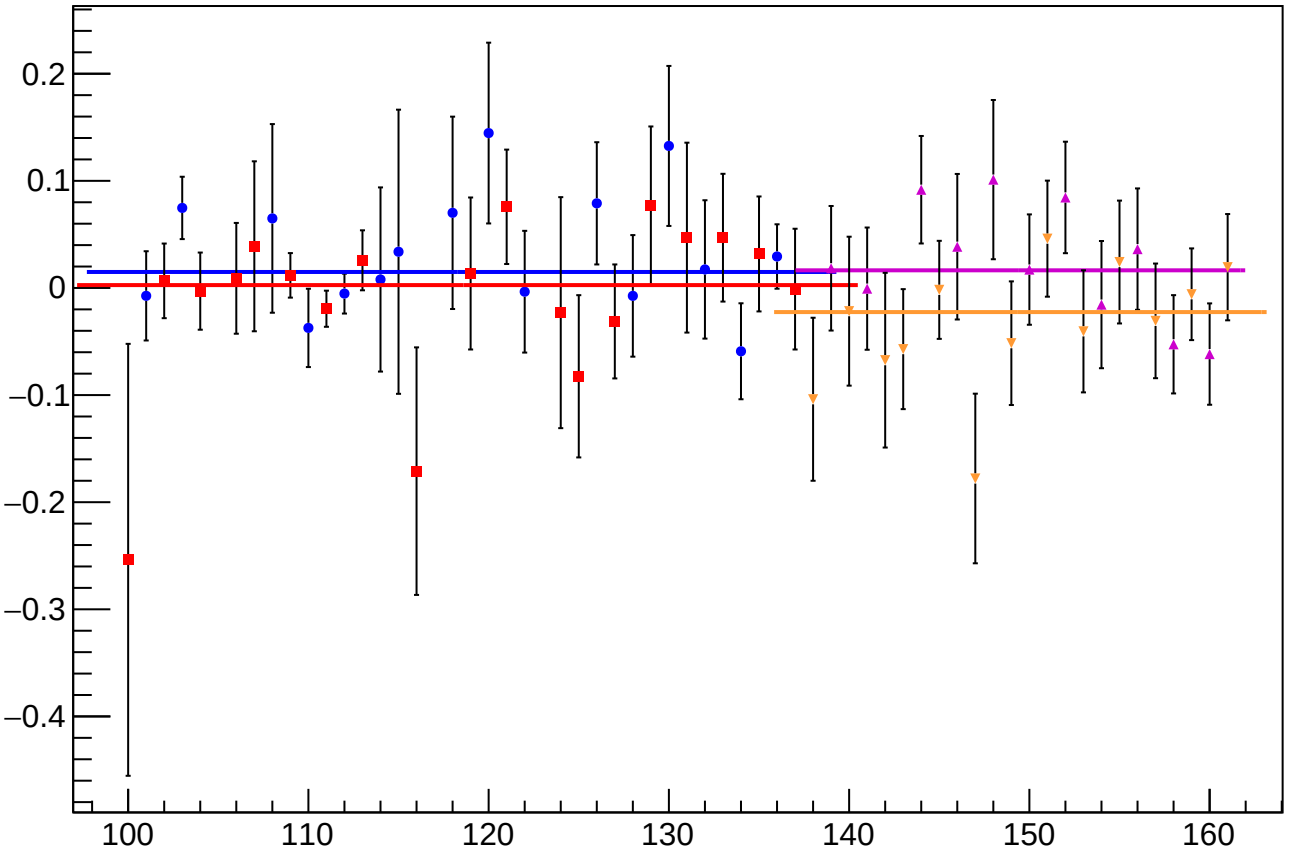
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:36.5/26

Out: 0.000+/-0.000 χ^2/NDF:33.7/31

All: 0.000+/-0.000 χ^2/NDF: 71.9/58


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:481374.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:405232.0/10
Left: 0.000+/-0.000 χ²/NDF: 948337.3/23
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1768568.5/26
Out: 0.000+/-0.000 χ²/NDF:2357243.8/31
All: 0.000+/-0.000 χ²/NDF: 4265314.4/58



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.017 χ^2/NDF:10.9/10

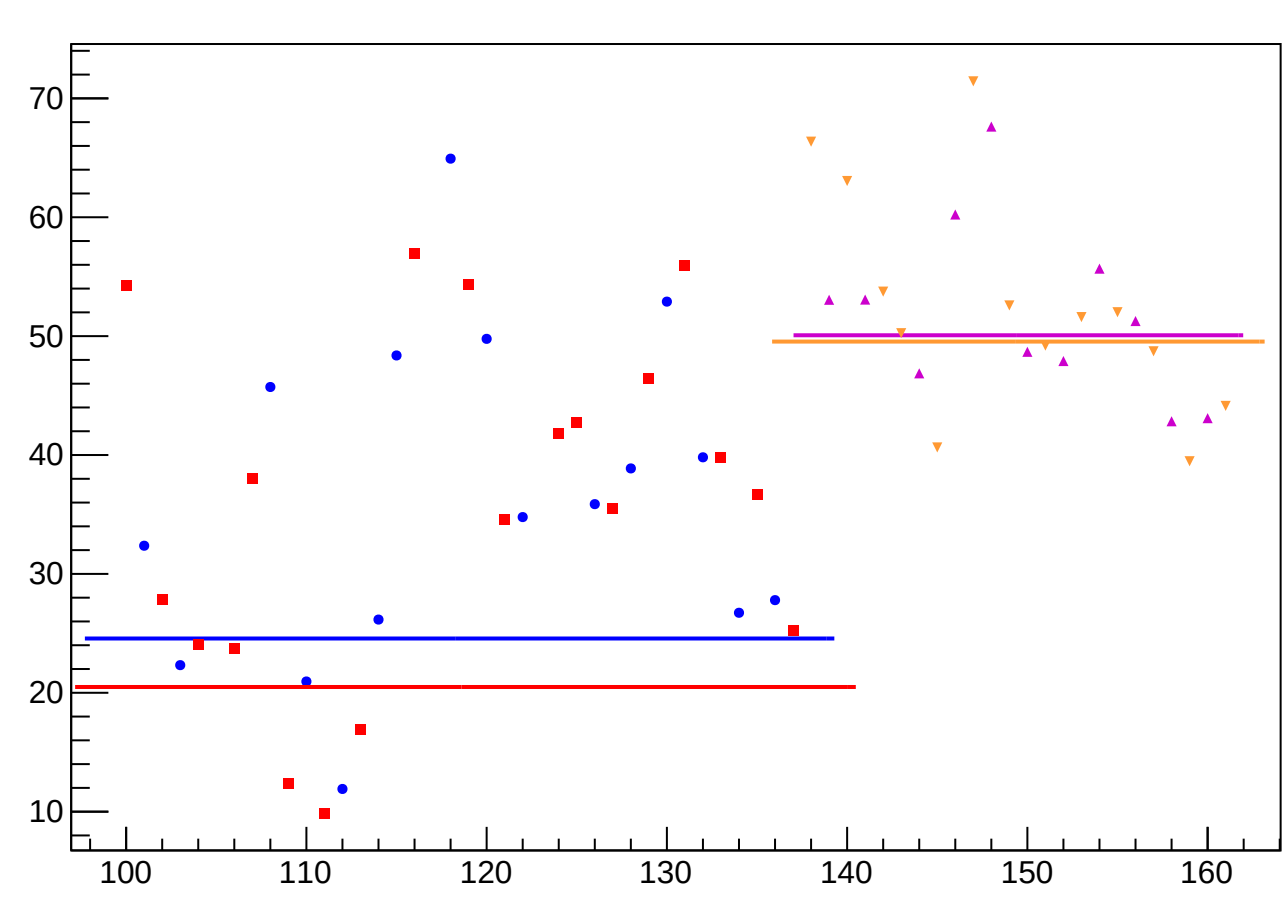
Left: -0.004+/-0.011 χ^2/NDF: 23.2/23

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.7/31

All: 0.005+/-0.006 χ^2/NDF: 55.0/58



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554167.3/12

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

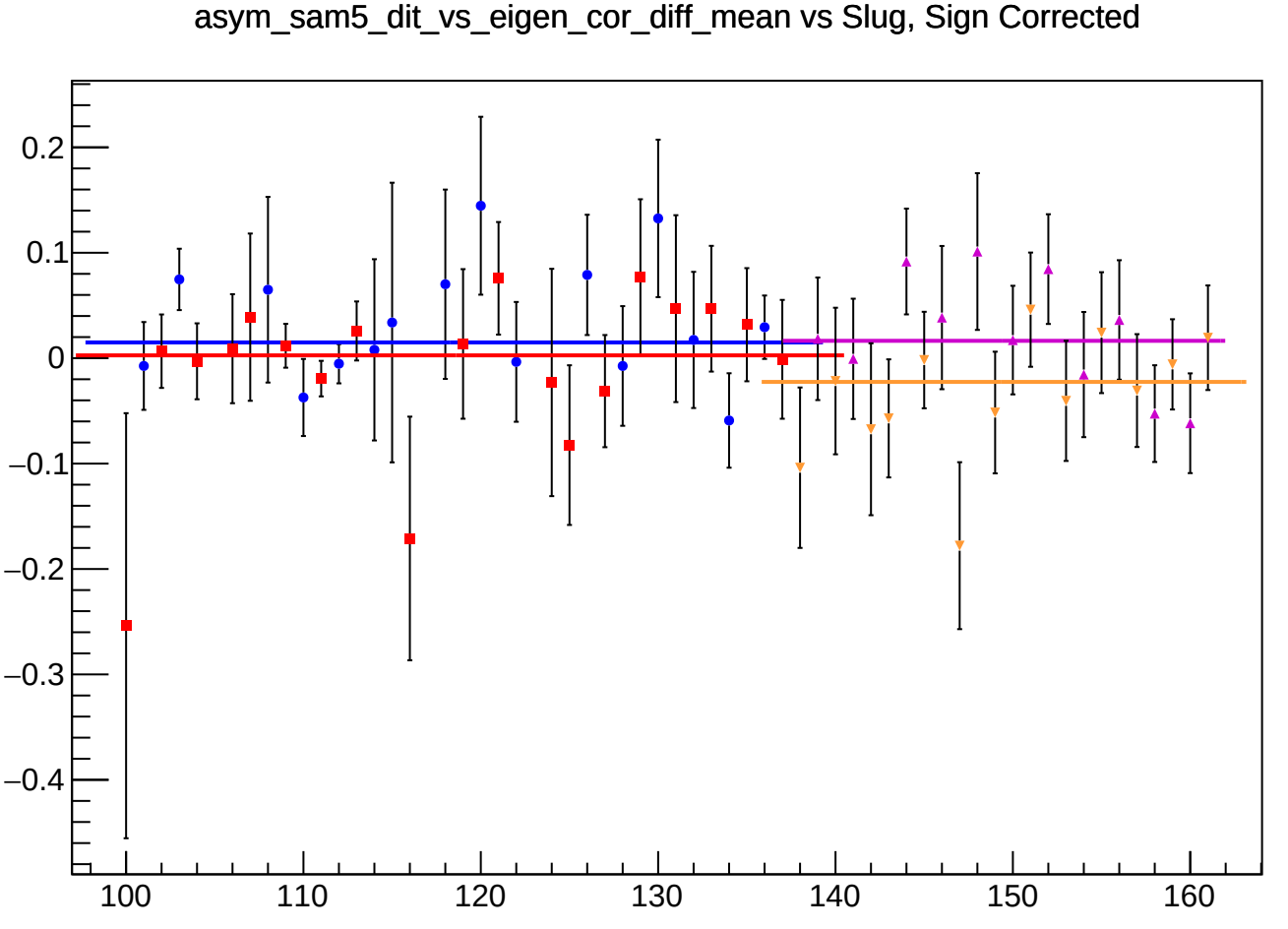
Left: 49.795+/-0.008 χ^2/NDF: 847252.7/23

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.987+/-0.006 χ^2/NDF:6153981.7/26

Out: 27.922+/-0.006 χ^2/NDF:9213349.4/31

All: 29.725+/-0.004 χ^2/NDF: 15598717.7/58



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.017 χ^2/NDF:10.9/10

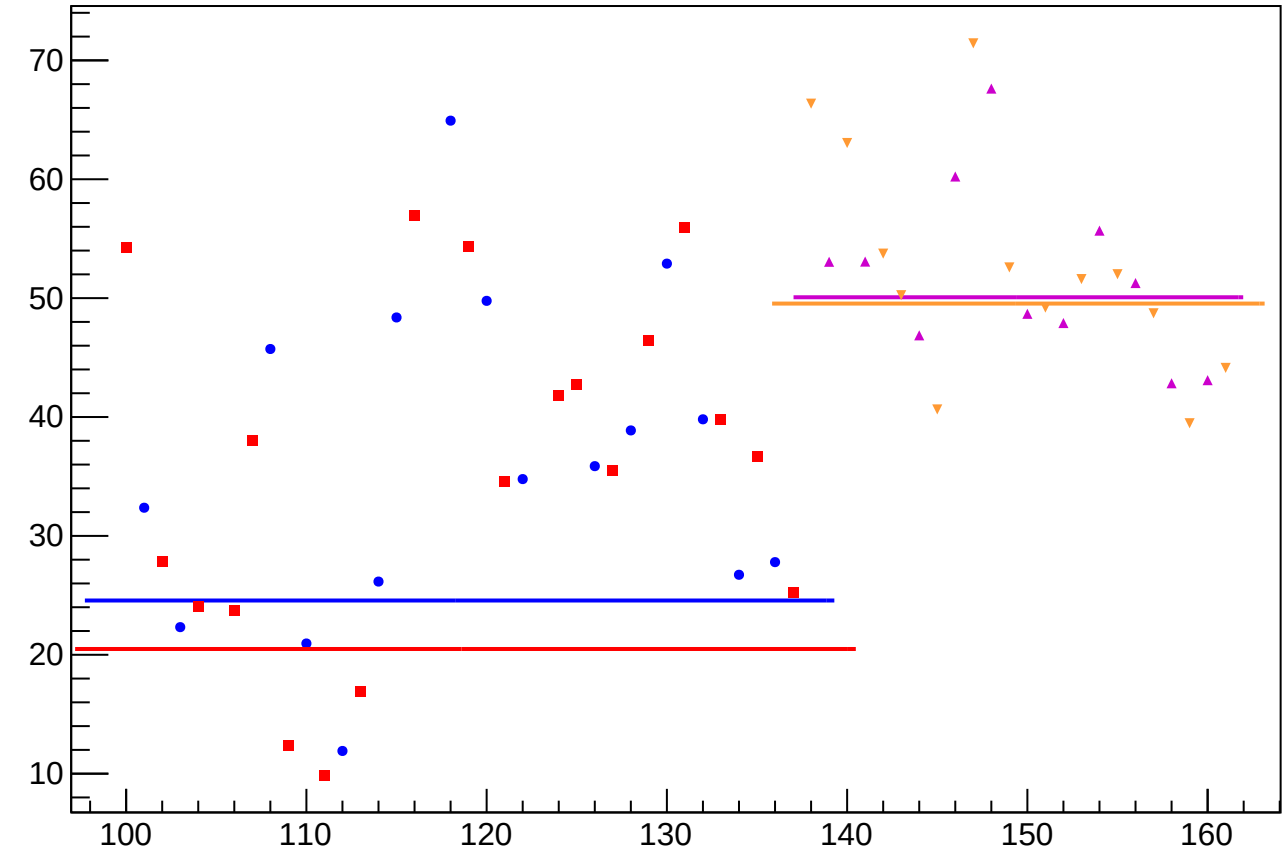
Left: -0.004+/-0.011 χ^2/NDF: 23.2/23

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.7/31

All: 0.005+/-0.006 χ^2/NDF: 55.0/58



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554167.3/12

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

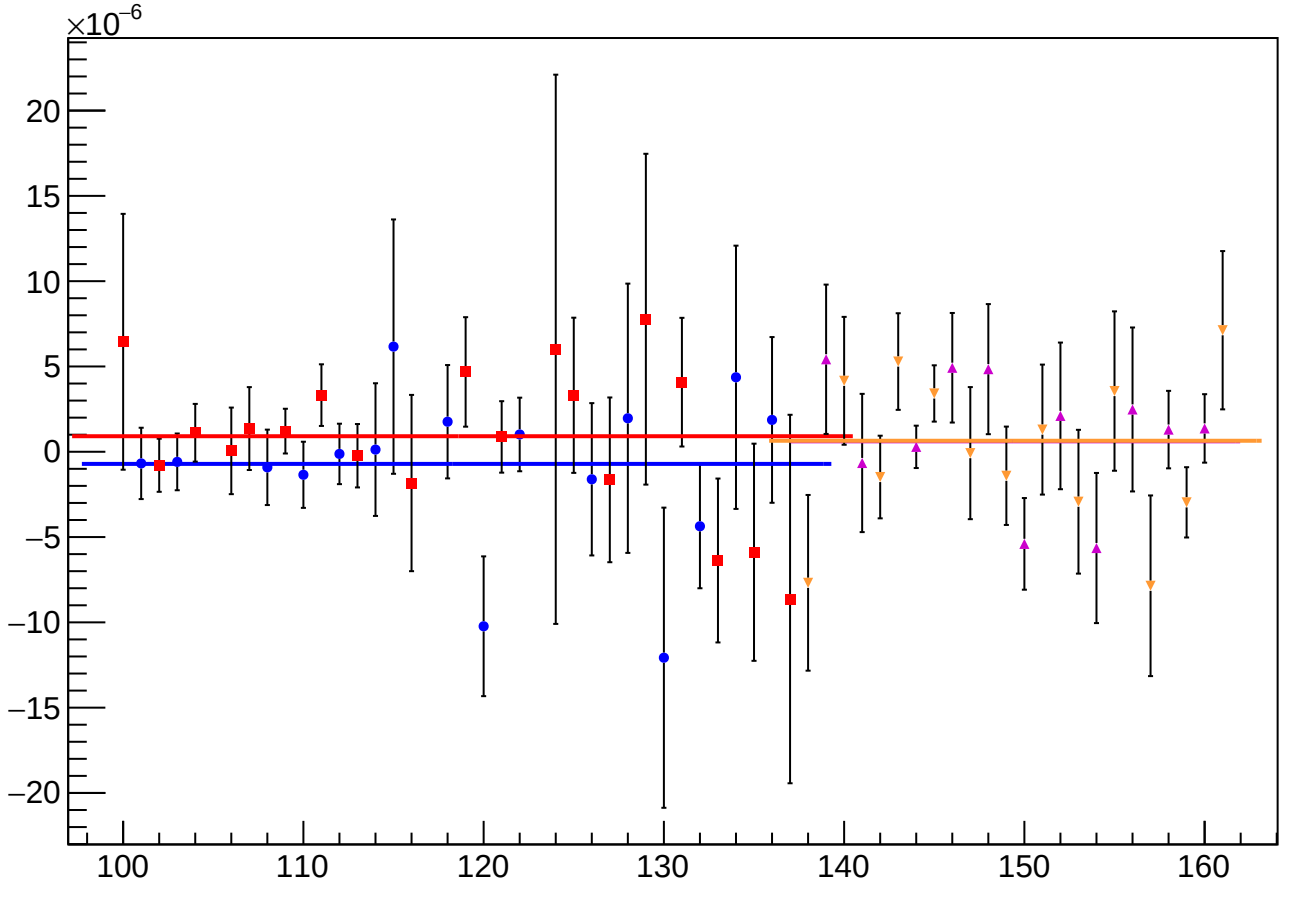
Left: 49.795+/-0.008 χ^2/NDF: 847252.7/23

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 31.987+/-0.006 χ^2/NDF:6153981.7/26

Out: 27.922+/-0.006 χ^2/NDF:9213349.4/31

All: 29.725+/-0.004 χ^2/NDF: 15598717.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/10

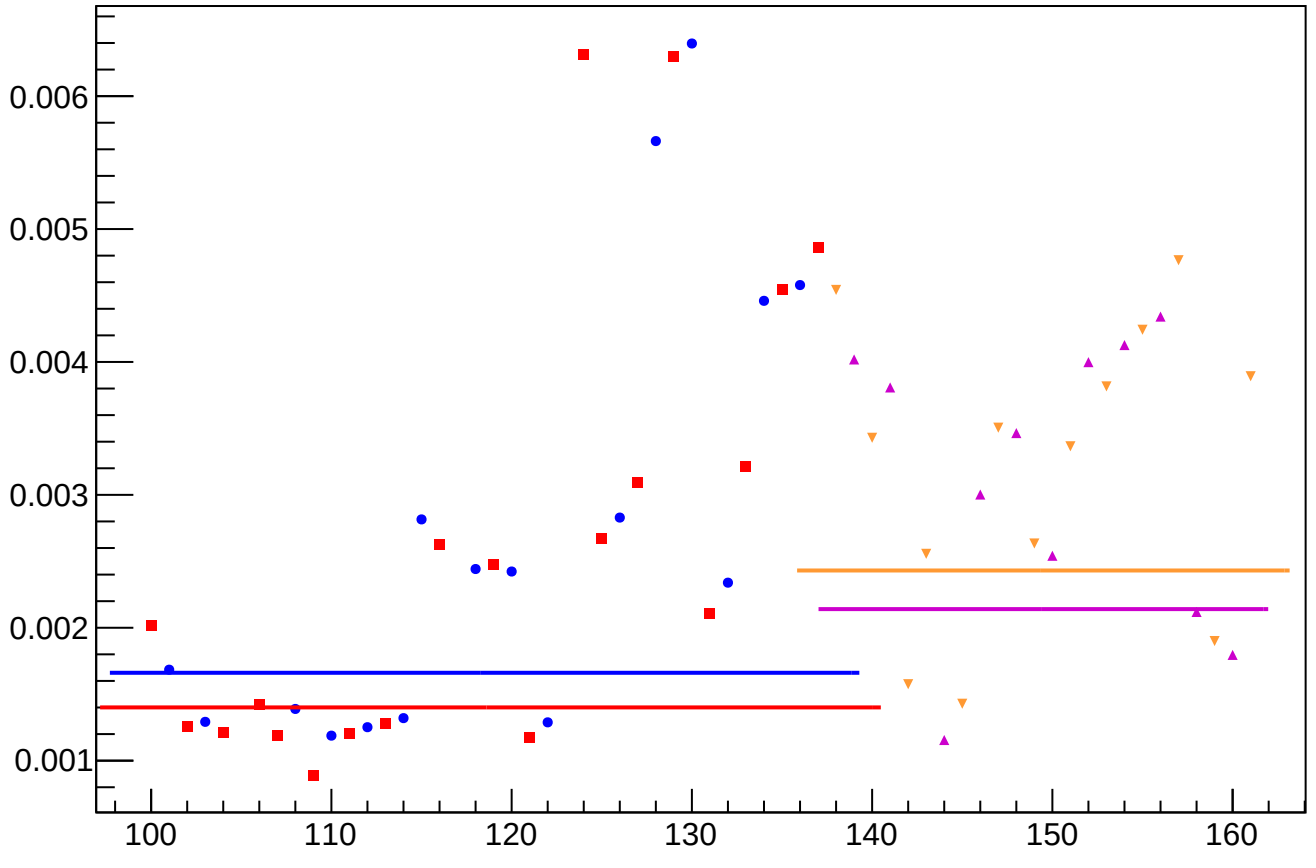
Left: 0.000+/-0.000 χ^2/NDF: 31.0/23

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:24.8/26

Out: 0.000+/-0.000 χ^2/NDF:31.0/31

All: 0.000+/-0.000 χ^2/NDF: 57.6/58



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2990639.7/12

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:3655444.8/10

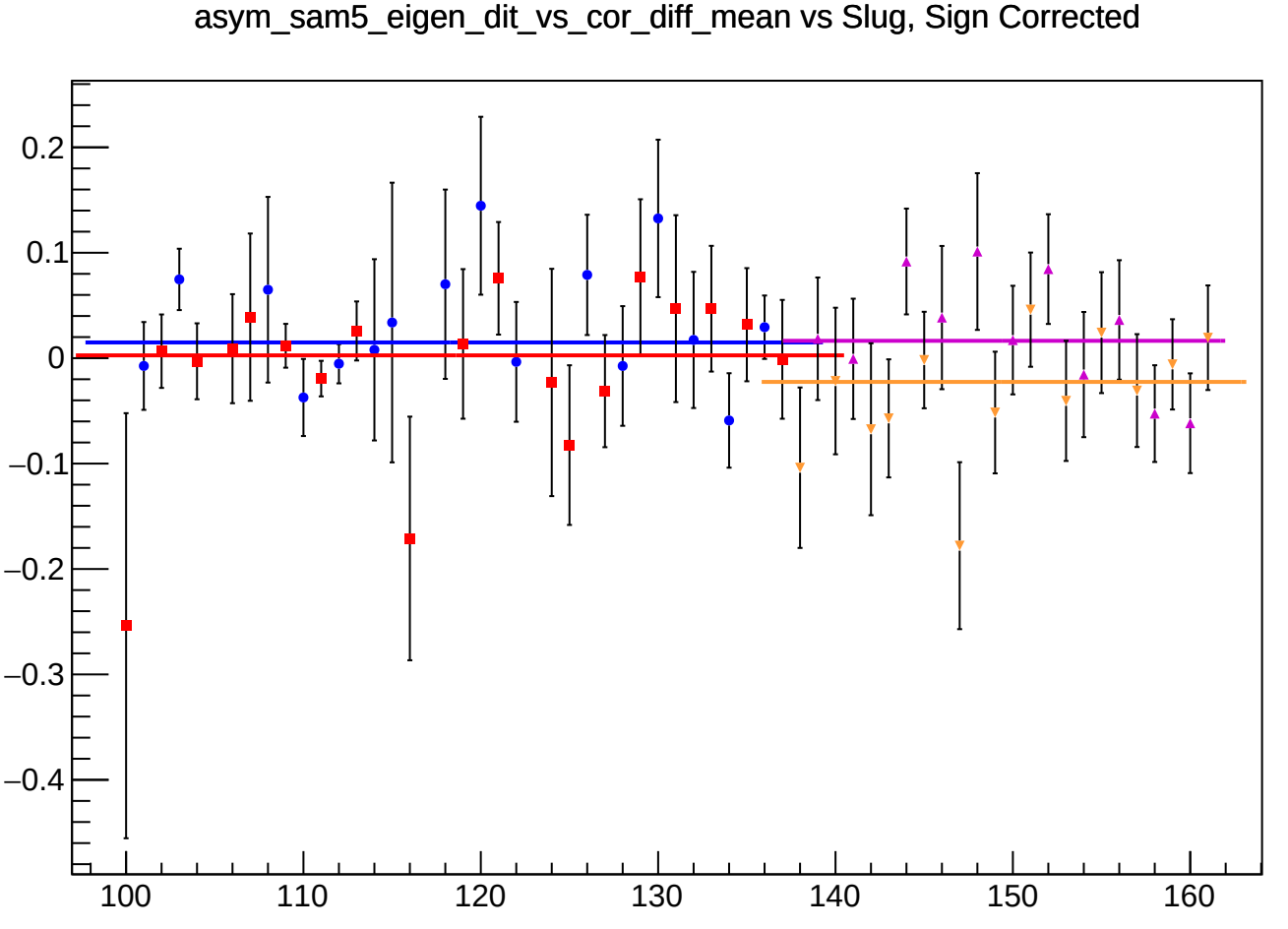
Left: 0.002+/-0.000 χ^2/NDF: 6776541.1/23

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7017560.3/26

Out: 0.002+/-0.000 χ^2/NDF:7954834.2/31

All: 0.002+/-0.000 χ^2/NDF: 15042059.5/58



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.017 χ^2/NDF:10.9/10

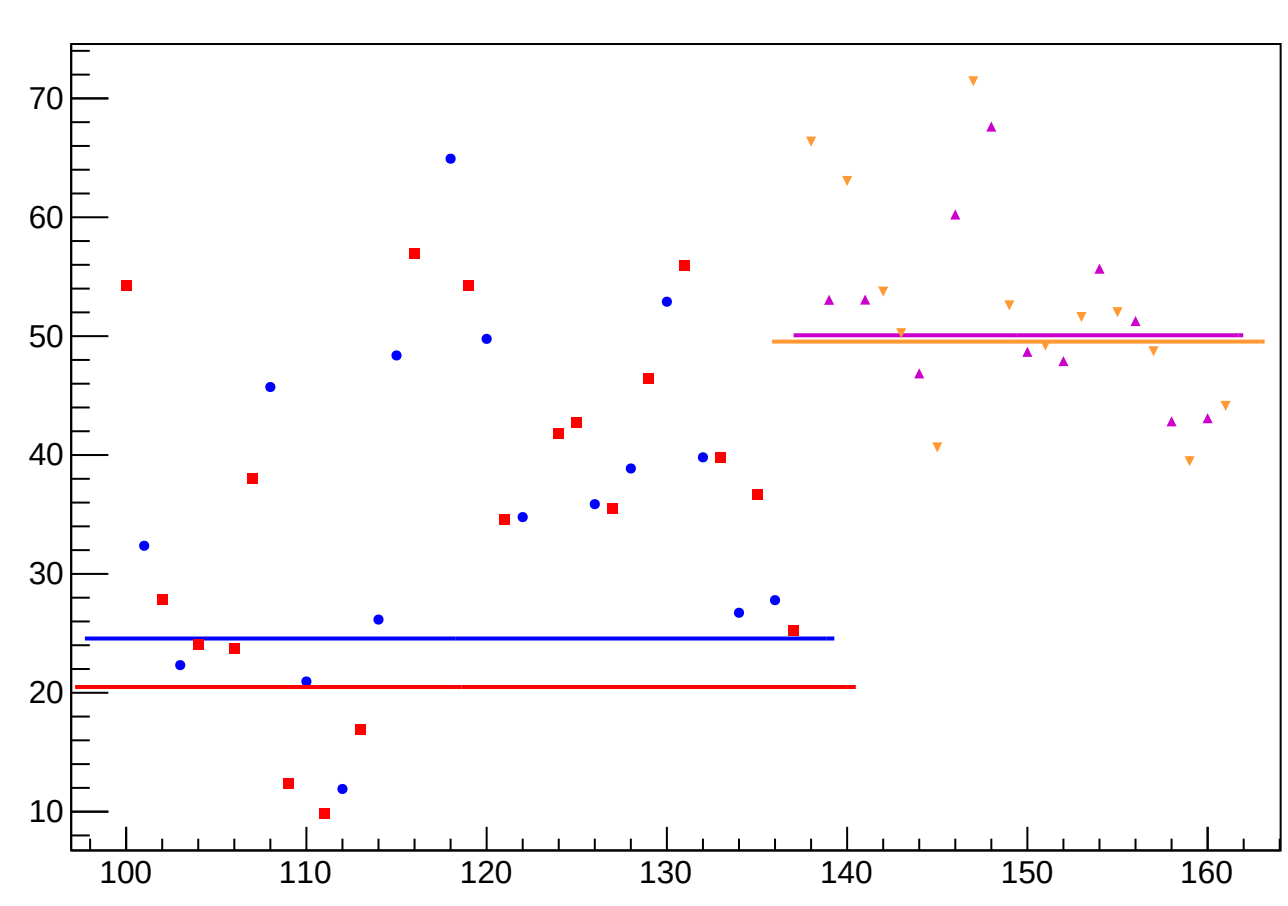
Left: -0.004+/-0.011 χ^2/NDF: 23.2/23

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.7/31

All: 0.005+/-0.006 χ^2/NDF: 55.0/58



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554279.7/12

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

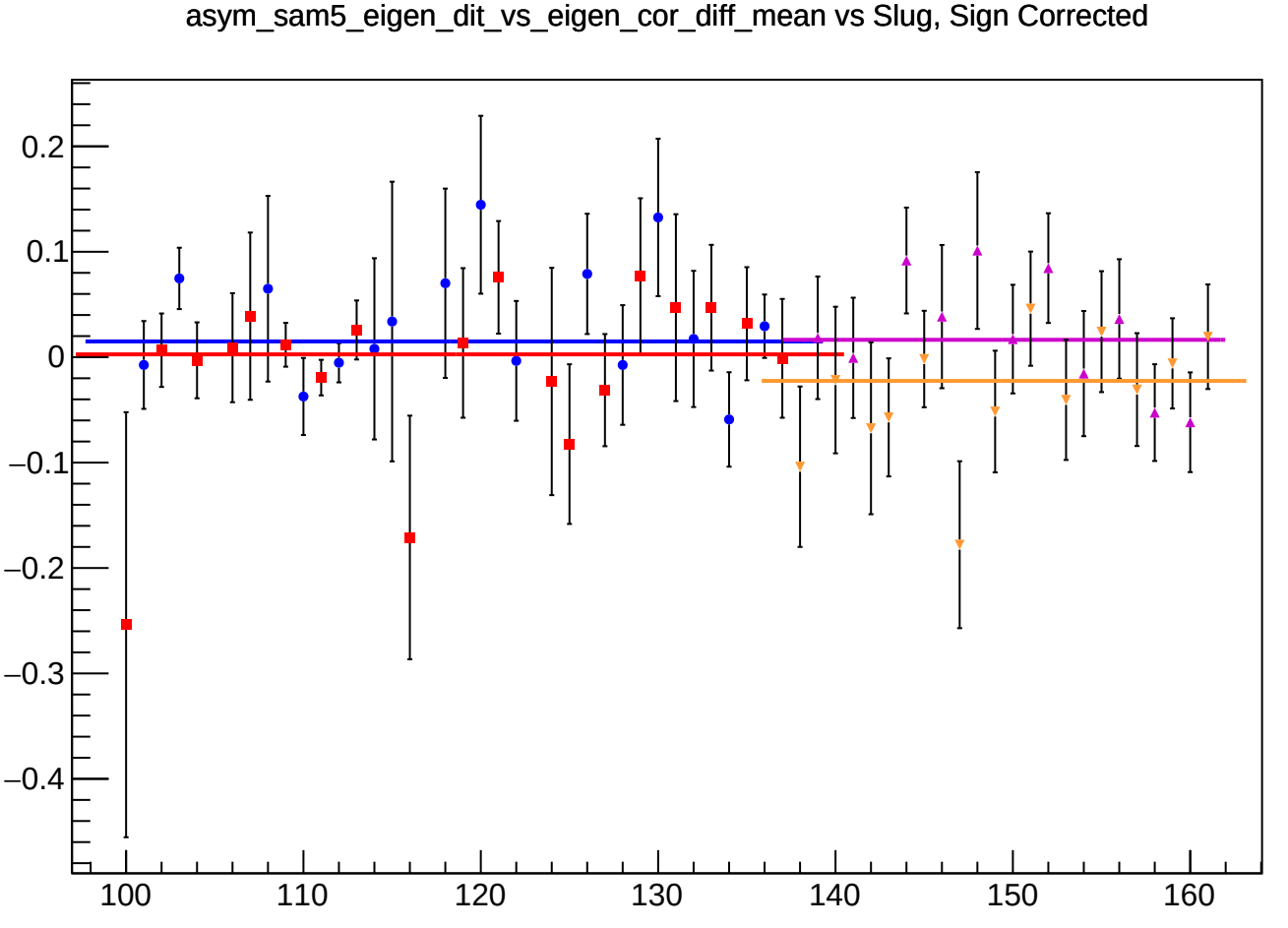
Left: 49.795+/-0.008 χ^2/NDF: 847446.2/23

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.986+/-0.006 χ^2/NDF:6154198.2/26

Out: 27.921+/-0.006 χ^2/NDF:9213648.8/31

All: 29.724+/-0.004 χ^2/NDF: 15599250.3/58



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.016+/-0.017 χ^2/NDF:10.9/10

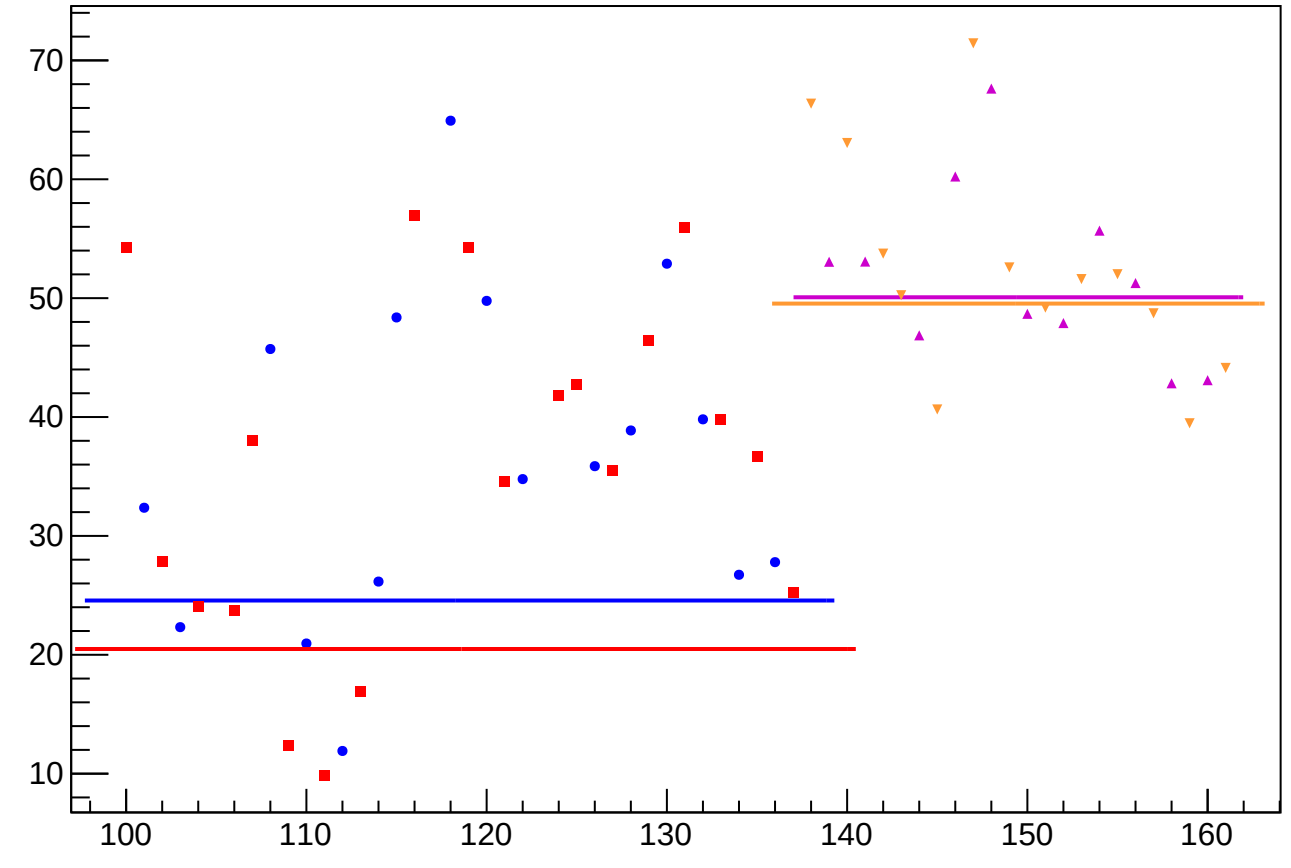
Left: -0.004+/-0.011 χ^2/NDF: 23.2/23

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.6/26

Out: -0.004+/-0.008 χ^2/NDF:23.7/31

All: 0.005+/-0.006 χ^2/NDF: 55.0/58



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554279.7/12

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

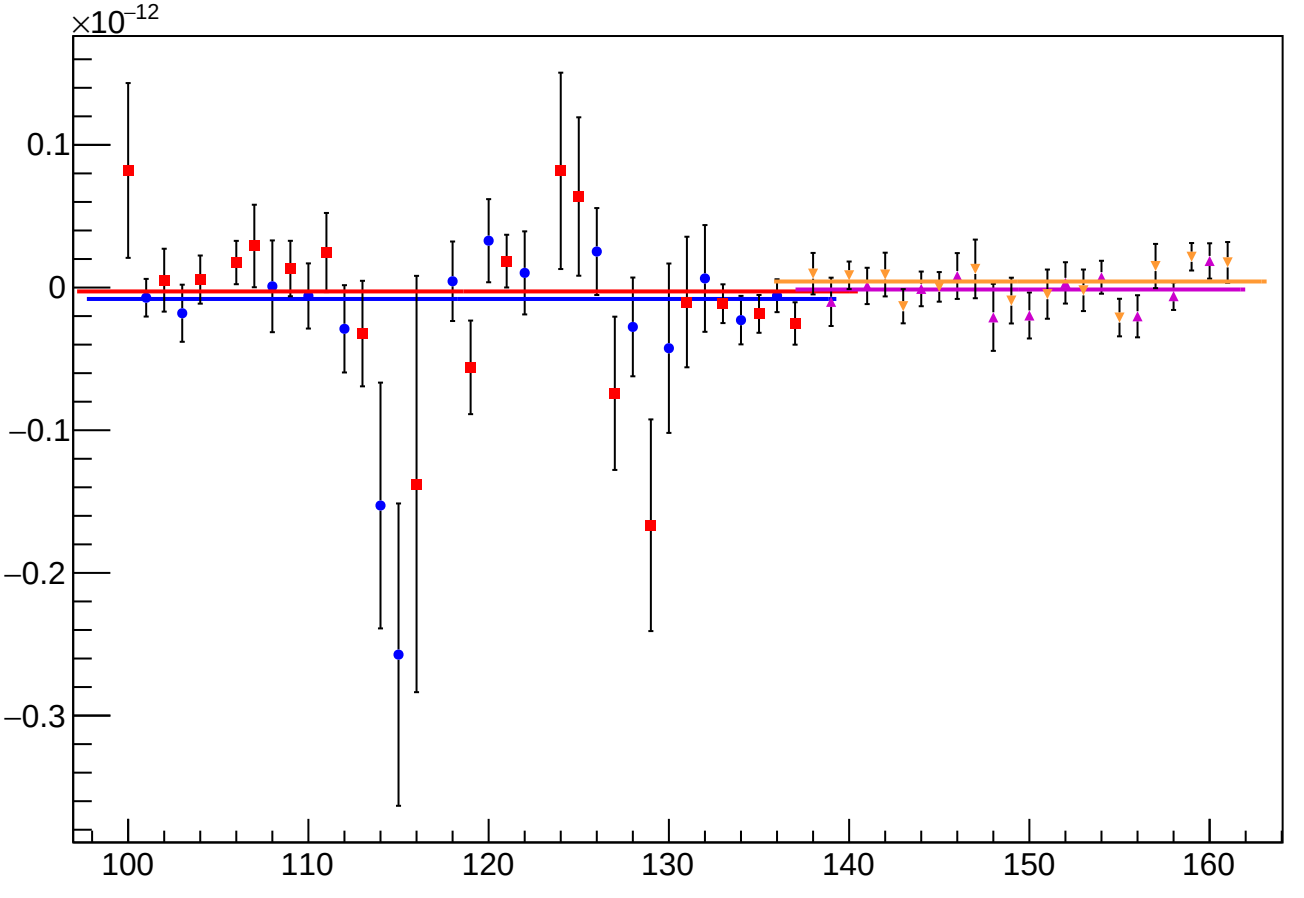
Left: 49.795+/-0.008 χ^2/NDF: 847446.2/23

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 31.986+/-0.006 χ^2/NDF:6154198.2/26

Out: 27.921+/-0.006 χ^2/NDF:9213648.8/31

All: 29.724+/-0.004 χ^2/NDF: 15599250.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/10

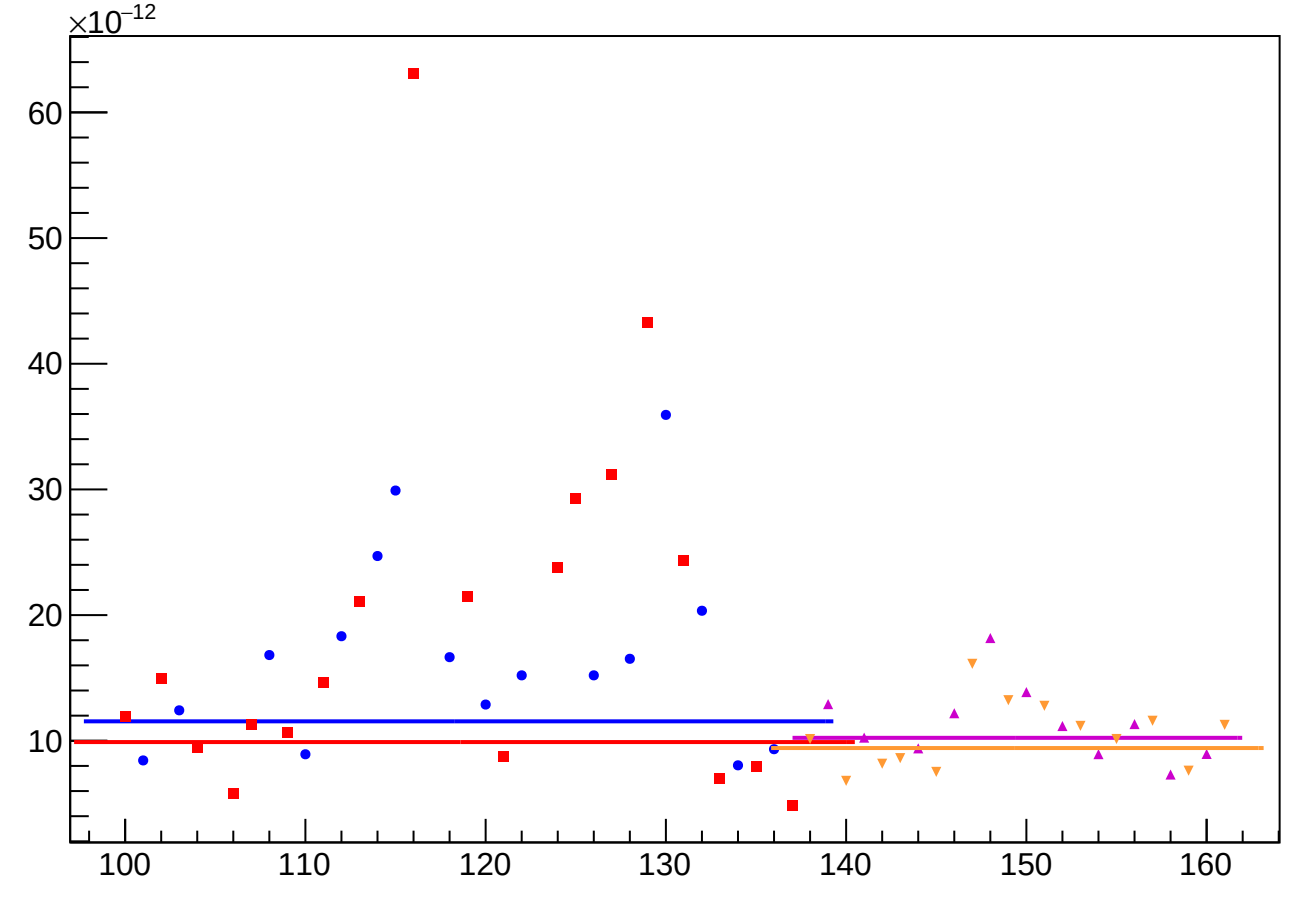
Left: 0.000+/-0.000 χ^2/NDF: 21.1/23

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/26

Out: 0.000+/-0.000 χ^2/NDF:39.6/31

All: -0.000+/-0.000 χ^2/NDF: 64.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:819140.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

Left In: 0.000+/-0.000 χ^2/NDF:668066.7/10

Left: 0.000+/-0.000 χ^2/NDF: 1531514.5/23

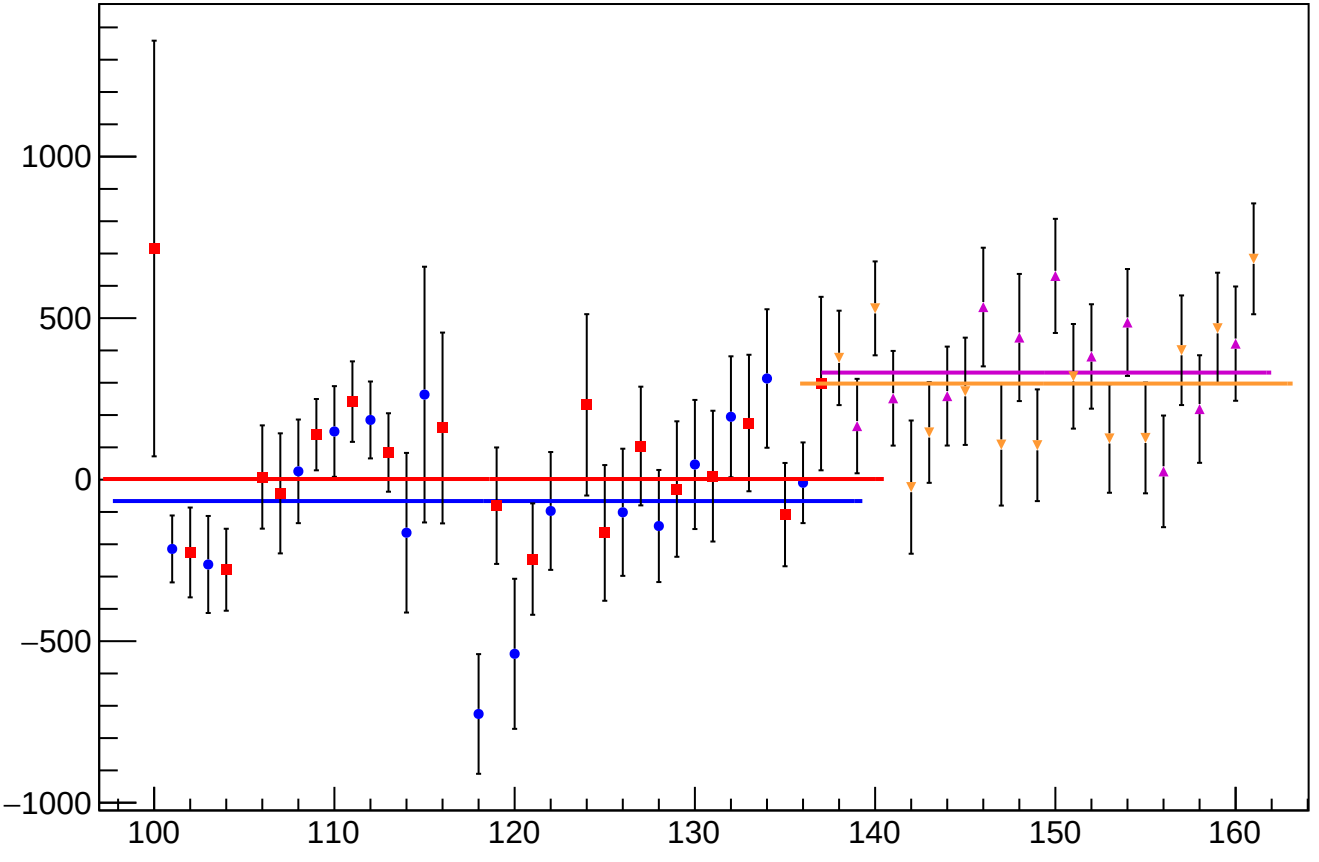
Right: 0.000+/-0.000 χ^2/NDF: 3905918.0/34

In: 0.000+/-0.000 χ^2/NDF:1916844.3/26

Out: 0.000+/-0.000 χ^2/NDF:3466208.2/31

All: 0.000+/-0.000 χ^2/NDF: 5502879.4/58

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.457+/-46.292 χ^2/NDF:16.9/12

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 331.432+/-50.013 χ^2/NDF:11.0/10

Left: 313.134+/-33.973 χ^2/NDF: 28.2/23

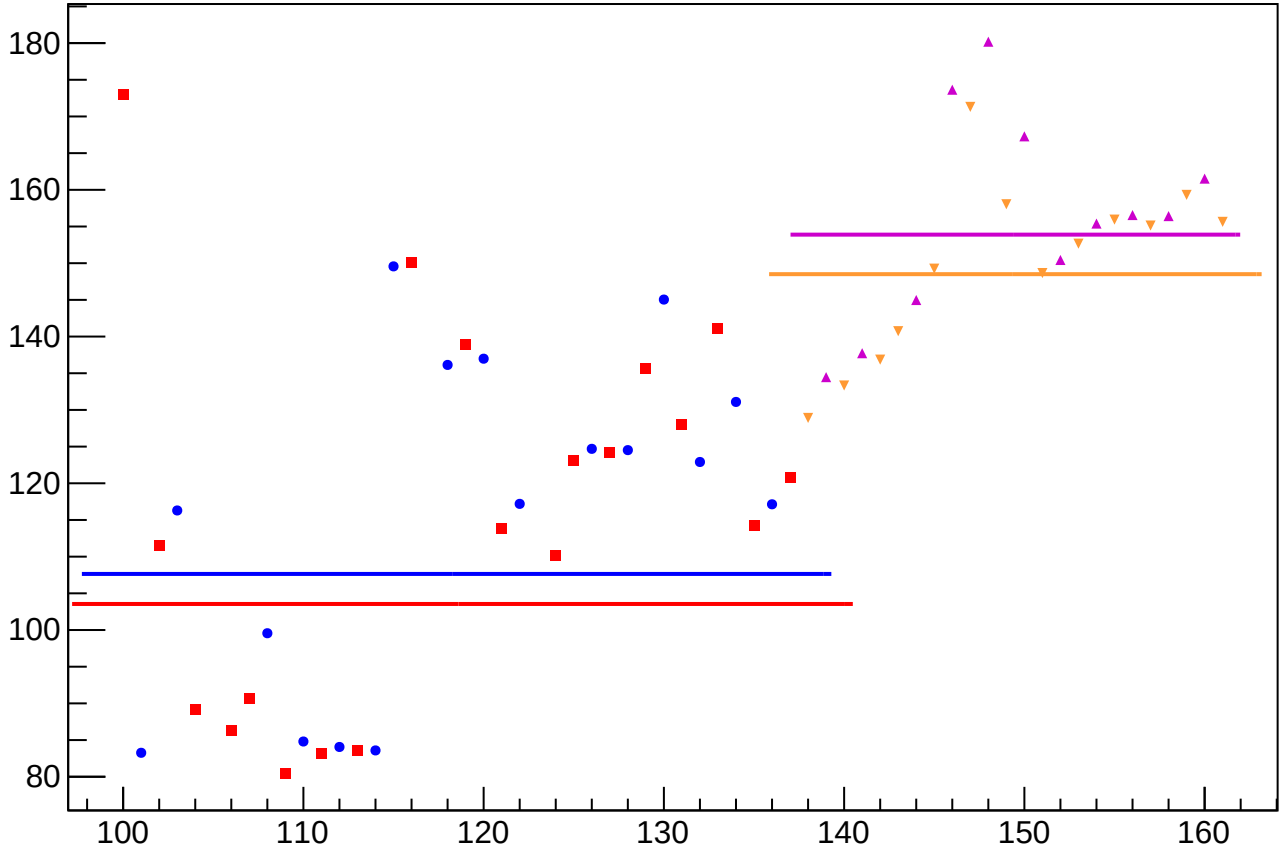
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 93.311+/-31.678 χ^2/NDF:83.3/26

Out: 124.168+/-29.766 χ^2/NDF:61.9/31

All: 109.699+/-21.692 χ^2/NDF: 145.7/58

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

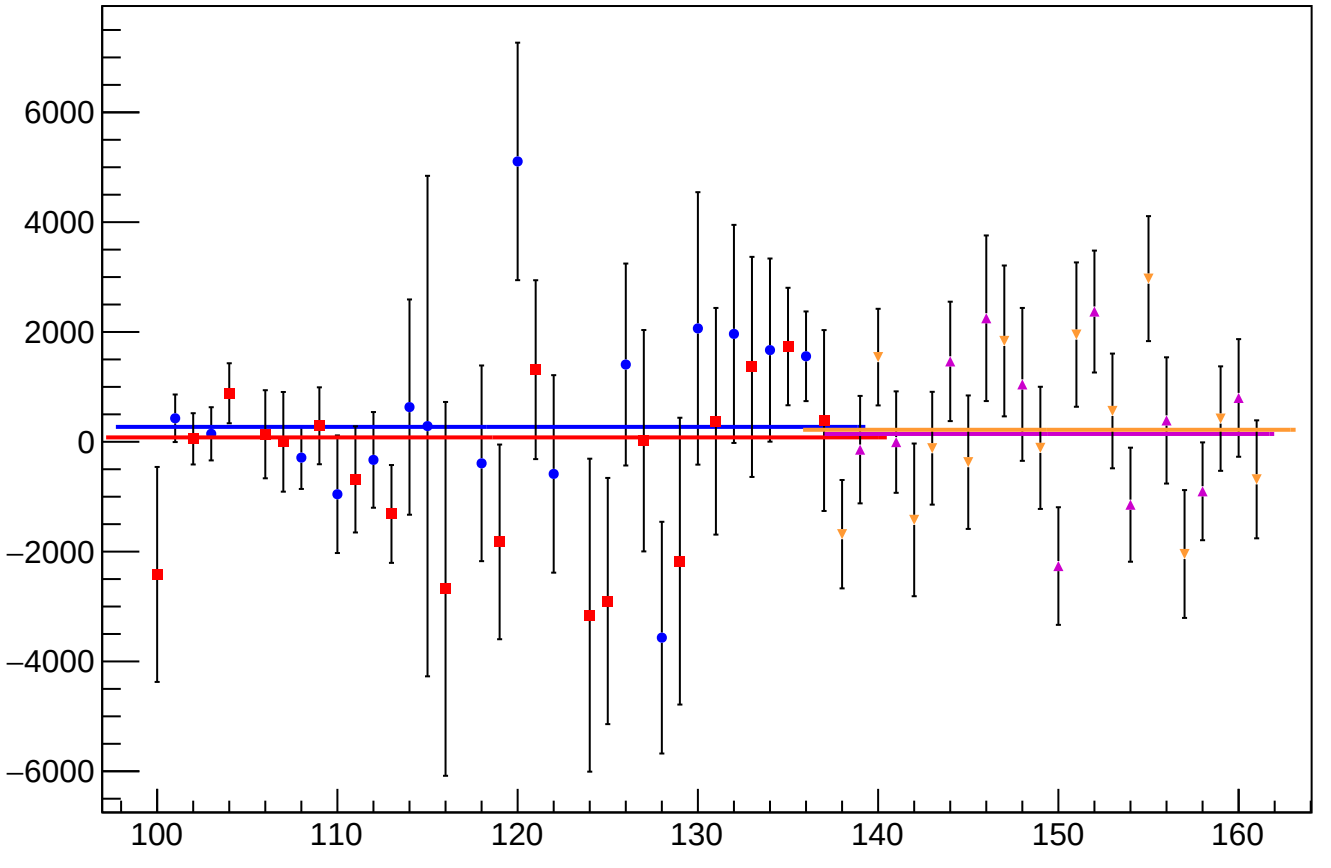
Left: 150.991+/-0.024 χ^2/NDF: 278844.6/23

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 126.199+/-0.022 χ^2/NDF:1699457.1/26

Out: 122.137+/-0.021 χ^2/NDF:1847454.0/31

All: 124.041+/-0.015 χ^2/NDF: 3564377.1/58



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 218.835+/-304.655 χ^2/NDF:21.4/12

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 142.532+/-324.174 χ^2/NDF:16.4/10

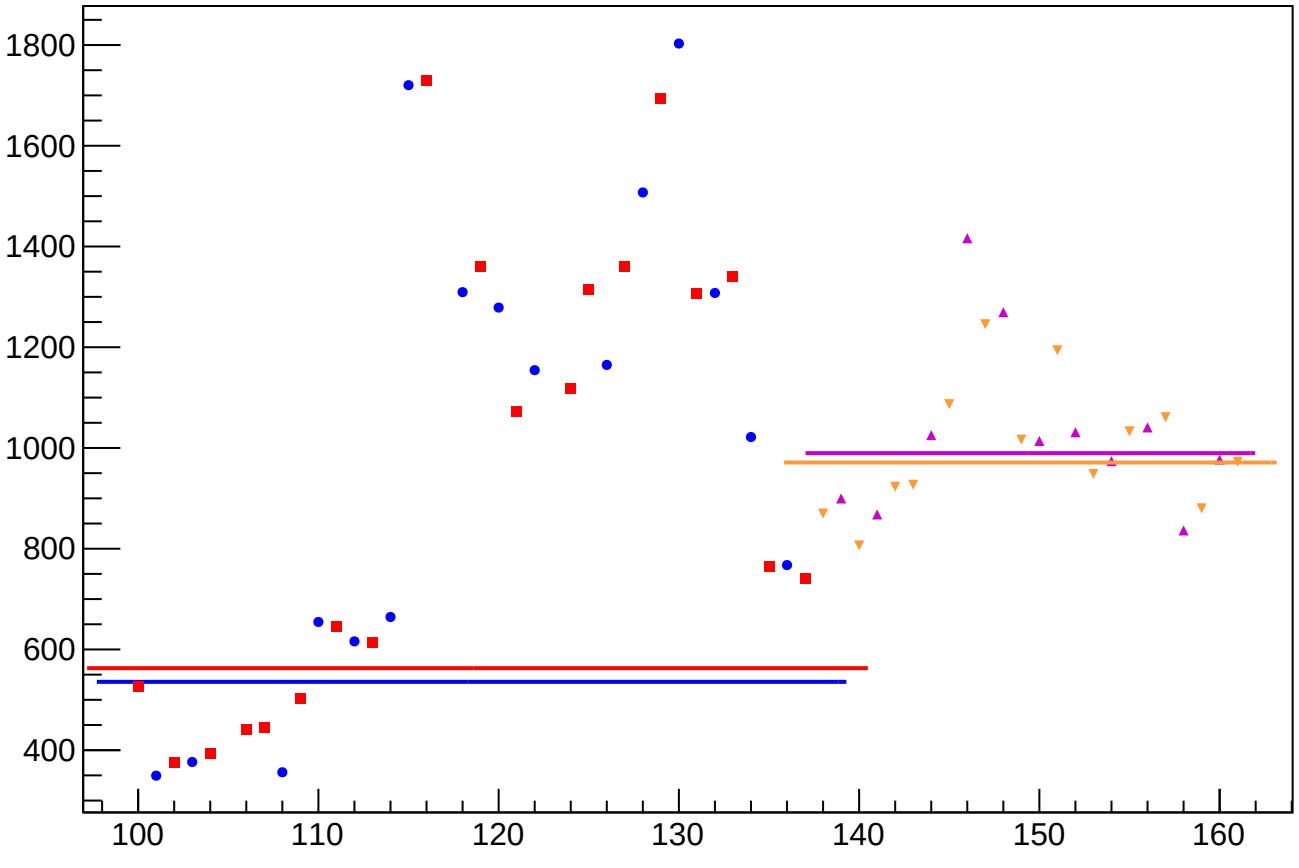
Left: 183.049+/-222.004 χ^2/NDF: 37.8/23

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 228.155+/-187.942 χ^2/NDF:32.9/26

Out: 131.062+/-184.652 χ^2/NDF:37.6/31

All: 178.751+/-131.717 χ^2/NDF: 70.6/58



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.2/12

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 989.785+/-0.229 χ^2/NDF:362435.5/10

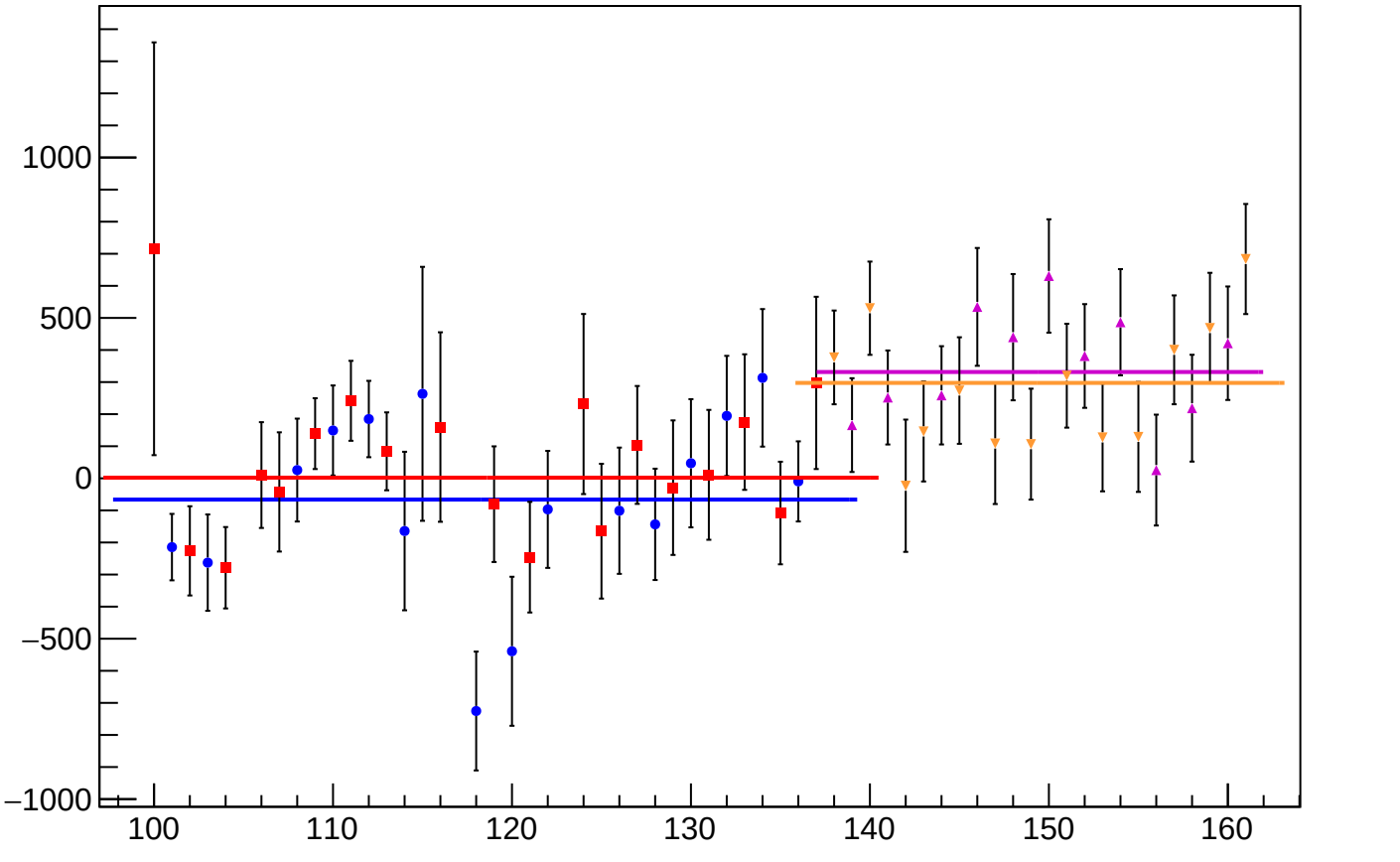
Left: 979.888+/-0.157 χ^2/NDF: 658972.8/23

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 688.314+/-0.133 χ^2/NDF:6600210.4/26

Out: 712.839+/-0.131 χ^2/NDF:5676695.2/31

All: 700.793+/-0.093 χ^2/NDF: 12294233.8/58



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.450+/-46.292 χ^2/NDF:16.9/12

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 331.437+/-50.013 χ^2/NDF:11.0/10

Left: 313.132+/-33.973 χ^2/NDF: 28.2/23

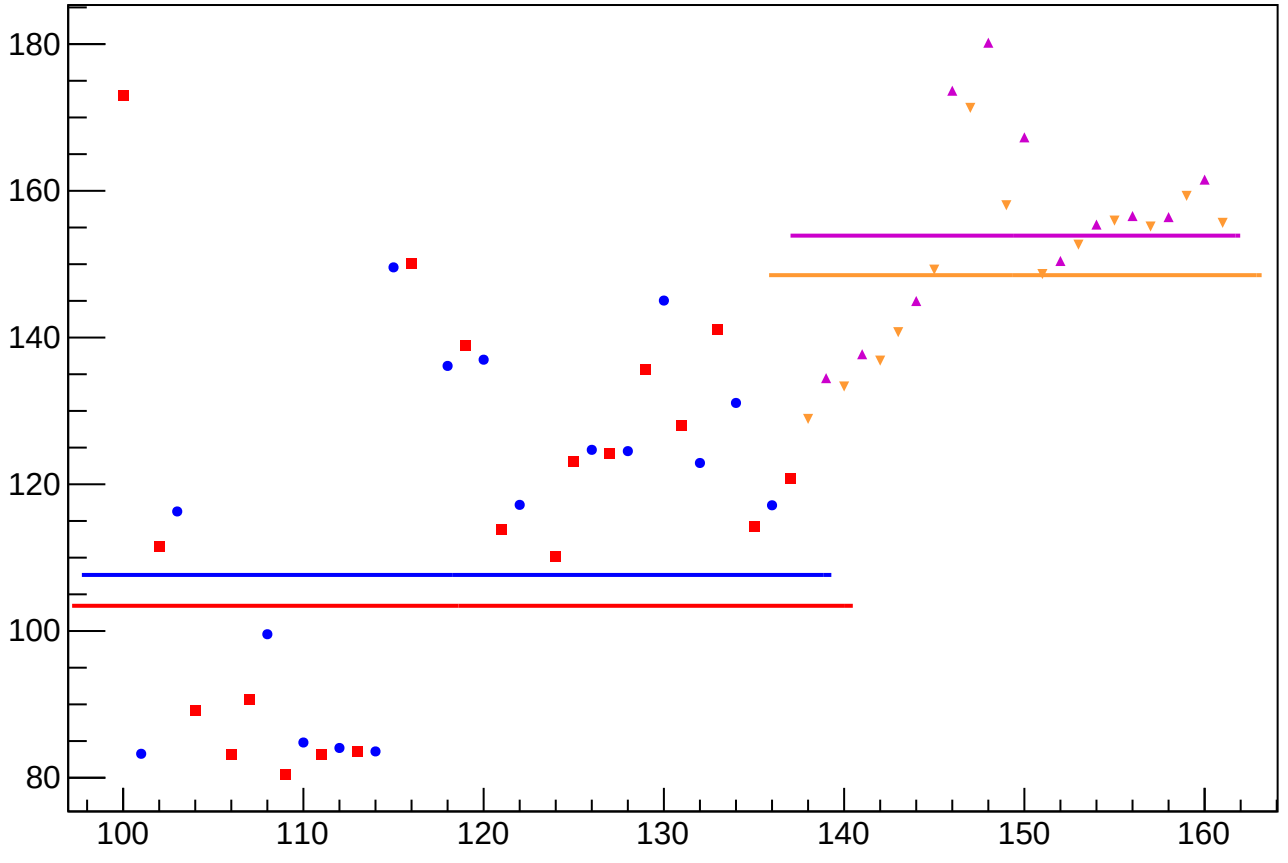
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 93.297+/-31.678 χ^2/NDF:83.3/26

Out: 124.450+/-29.798 χ^2/NDF:61.9/31

All: 109.826+/-21.705 χ^2/NDF: 145.7/58

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

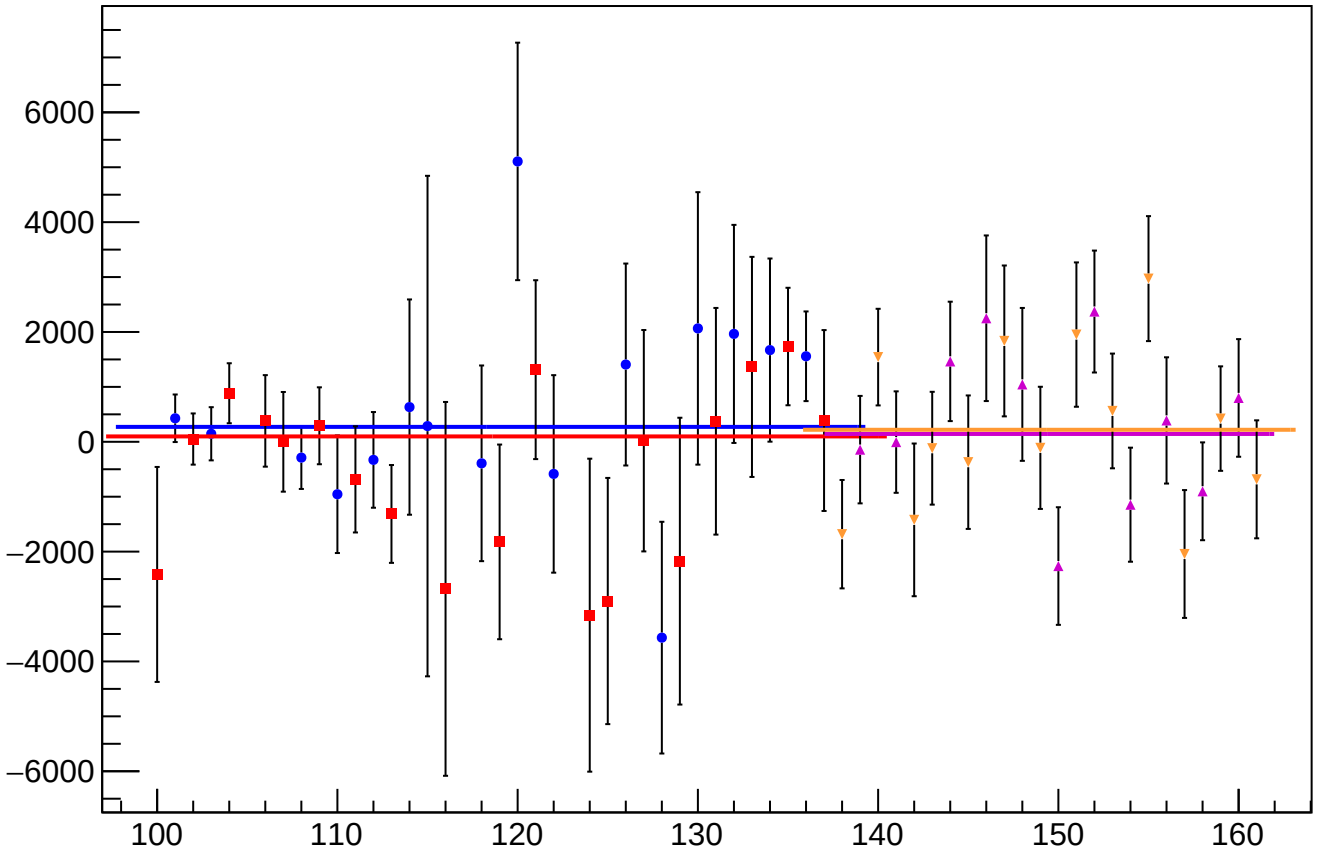
Left: 150.991+/-0.024 χ^2/NDF: 278844.6/23

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 126.199+/-0.022 χ^2/NDF:1699455.7/26

Out: 122.110+/-0.021 χ^2/NDF:1858722.7/31

All: 124.030+/-0.015 χ^2/NDF: 3575854.0/58



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 218.837+/-304.655 χ^2/NDF:21.4/12

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 142.527+/-324.175 χ^2/NDF:16.4/10

Left: 183.048+/-222.004 χ^2/NDF: 37.8/23

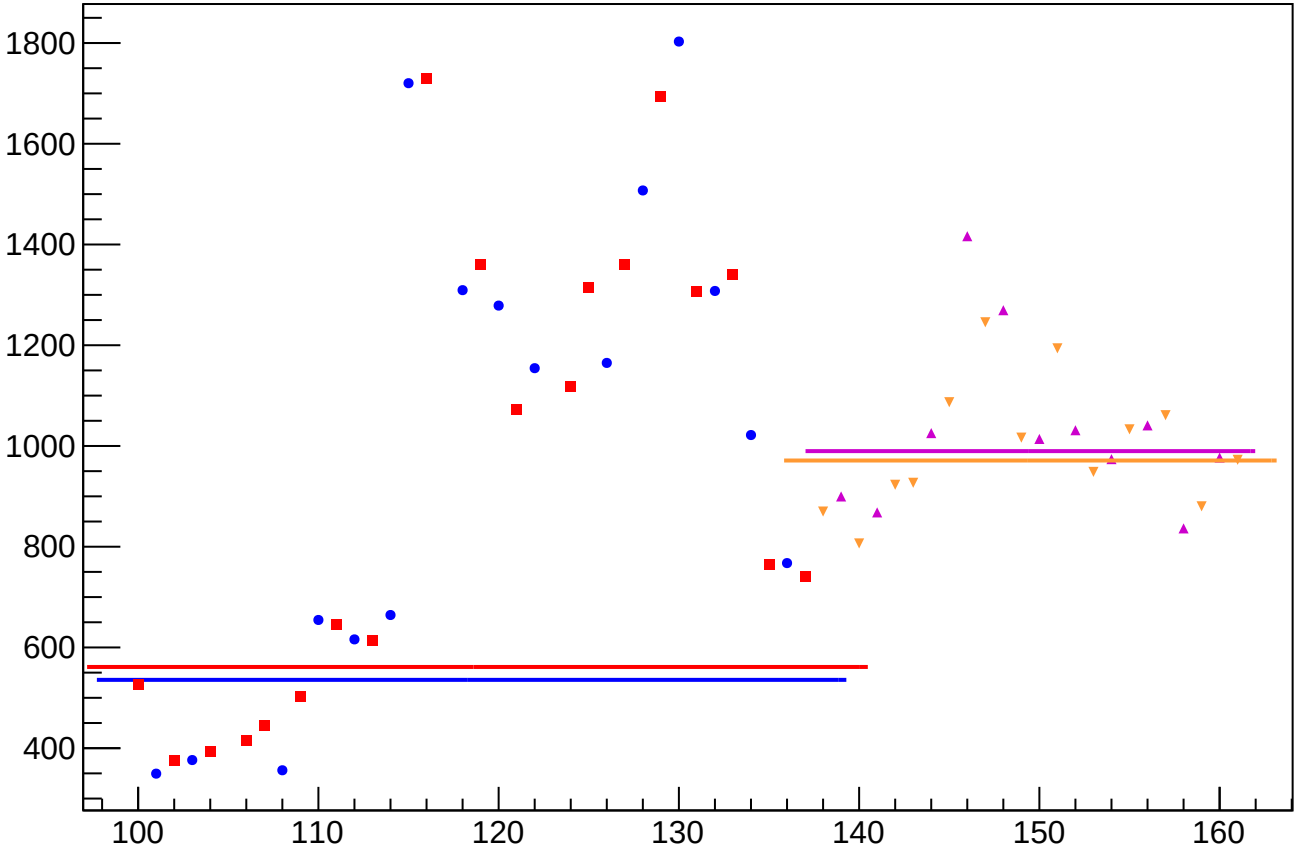
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 228.248+/-187.938 χ^2/NDF:32.9/26

Out: 142.445+/-184.967 χ^2/NDF:37.6/31

All: 184.663+/-131.829 χ^2/NDF: 70.7/58

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.6/12

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

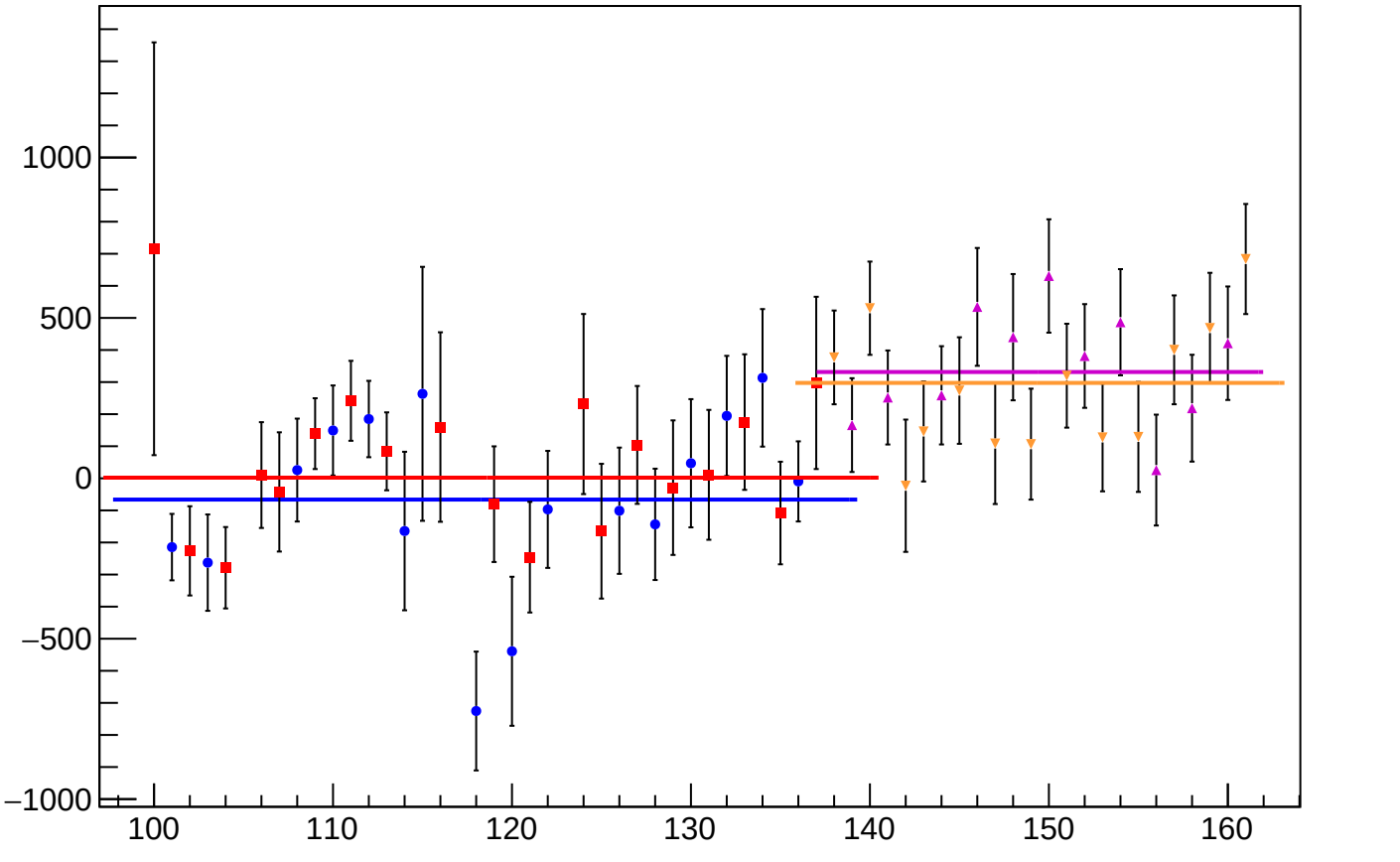
Left: 979.888+/-0.157 χ^2/NDF: 658972.6/23

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 688.293+/-0.133 χ^2/NDF:6600715.4/26

Out: 712.356+/-0.131 χ^2/NDF:5709458.7/31

All: 700.516+/-0.093 χ^2/NDF: 12326828.1/58



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.450+/-46.292 χ^2/NDF:16.9/12

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 331.437+/-50.013 χ^2/NDF:11.0/10

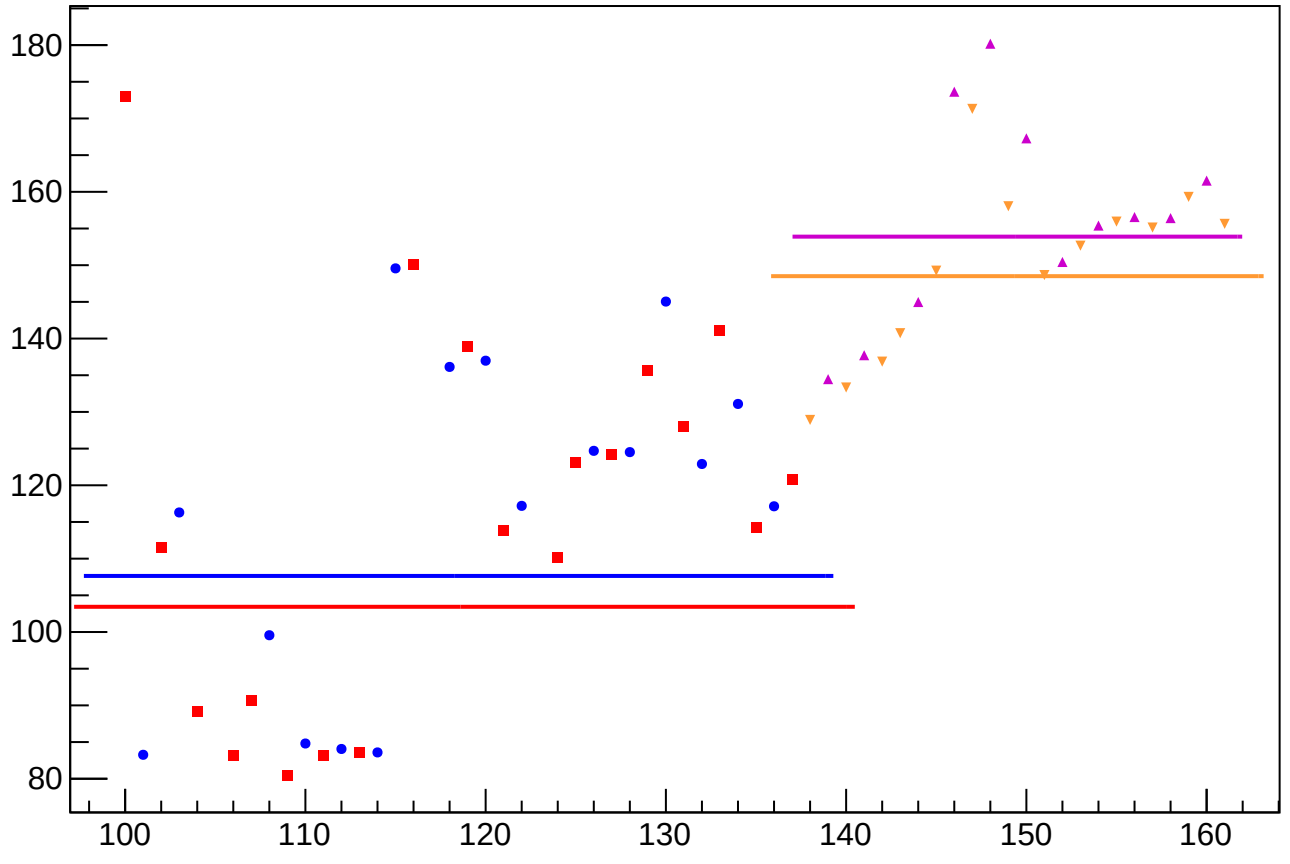
Left: 313.132+/-33.973 χ^2/NDF: 28.2/23

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 93.297+/-31.678 χ^2/NDF:83.3/26

Out: 124.450+/-29.798 χ^2/NDF:61.9/31

All: 109.826+/-21.705 χ^2/NDF: 145.7/58



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

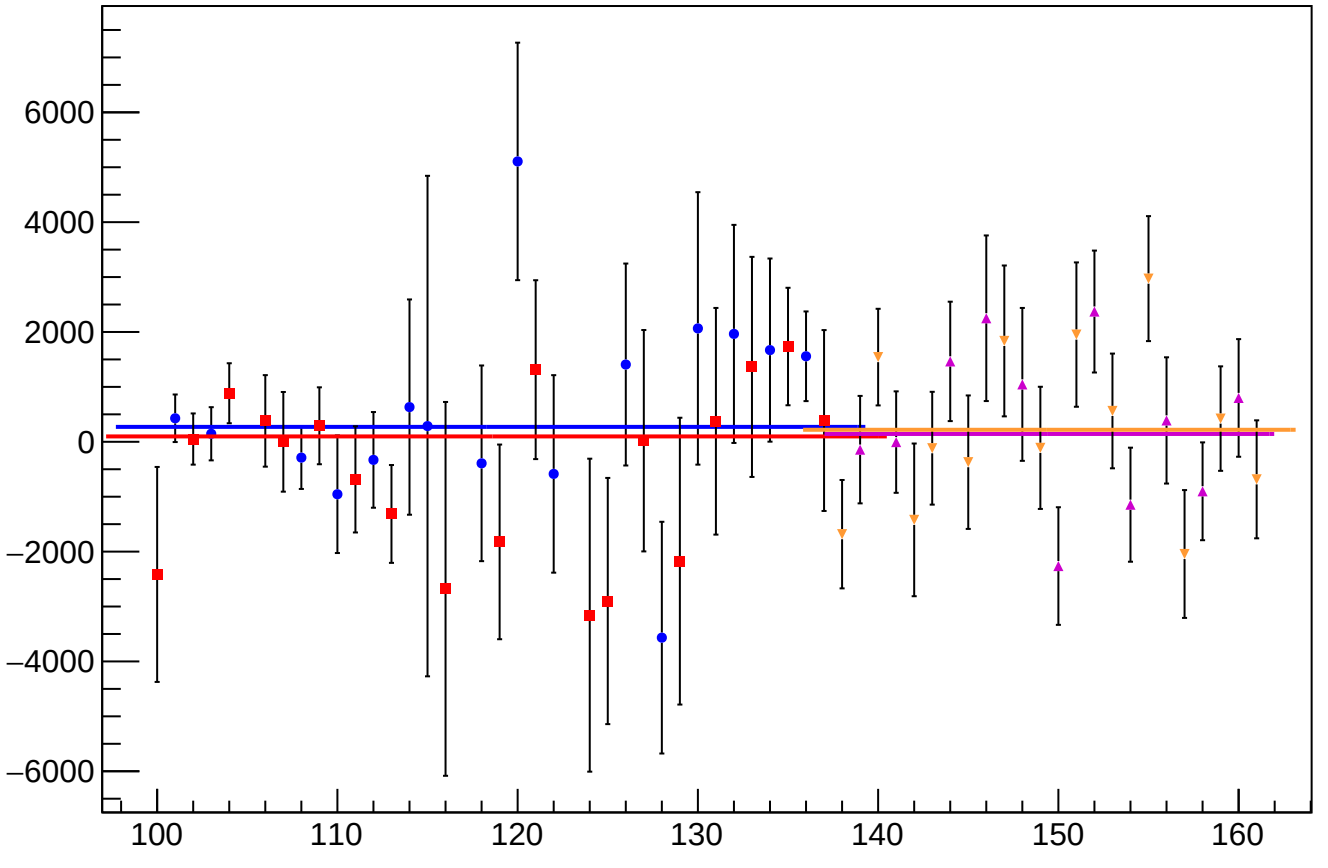
Left: 150.991+/-0.024 χ^2/NDF: 278844.6/23

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 126.199+/-0.022 χ^2/NDF:1699455.7/26

Out: 122.110+/-0.021 χ^2/NDF:1858722.7/31

All: 124.030+/-0.015 χ^2/NDF: 3575854.0/58



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 218.837+/-304.655 χ^2/NDF:21.4/12

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 142.527+/-324.175 χ^2/NDF:16.4/10

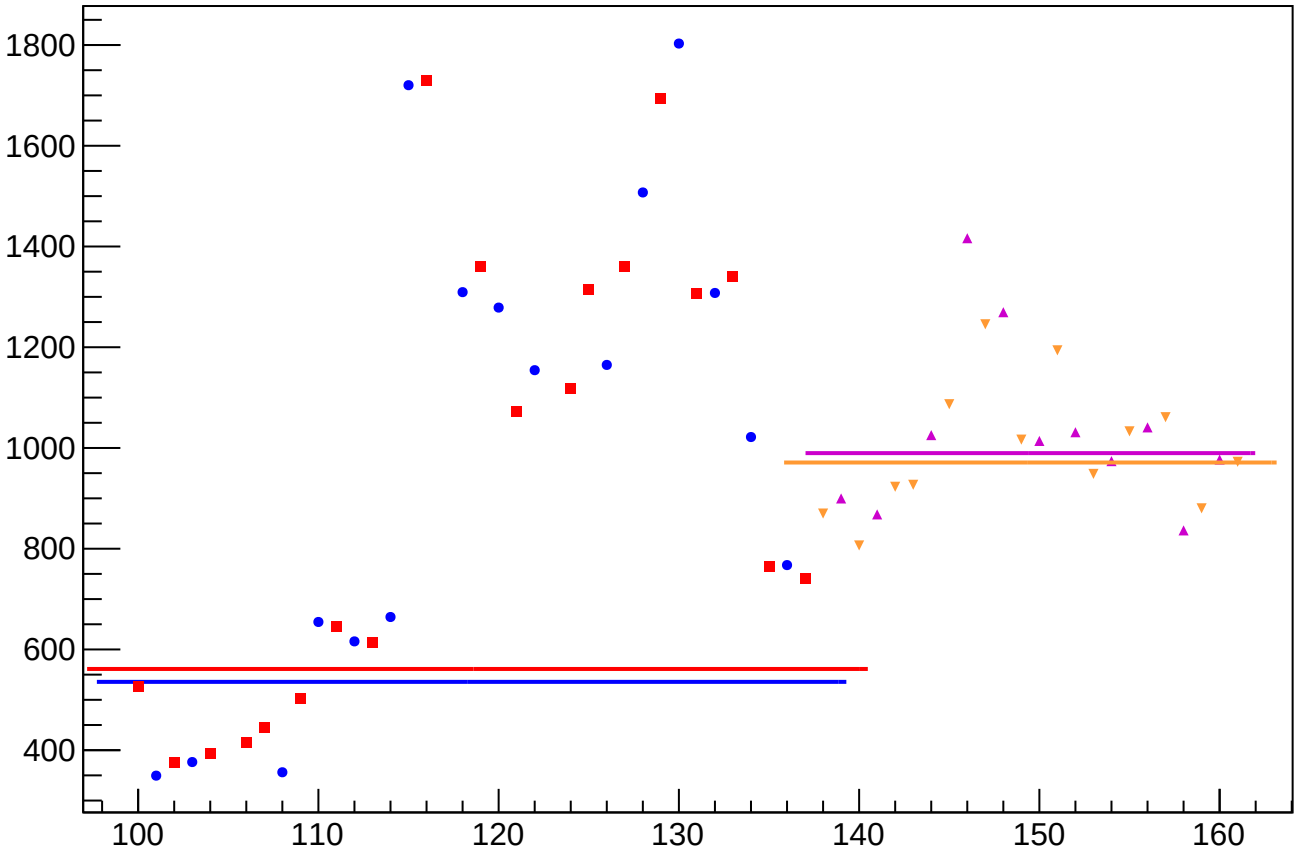
Left: 183.048+/-222.004 χ^2/NDF: 37.8/23

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 228.248+/-187.938 χ^2/NDF:32.9/26

Out: 142.445+/-184.967 χ^2/NDF:37.6/31

All: 184.663+/-131.829 χ^2/NDF: 70.7/58



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.6/12

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

Left: 979.888+/-0.157 χ^2/NDF: 658972.6/23

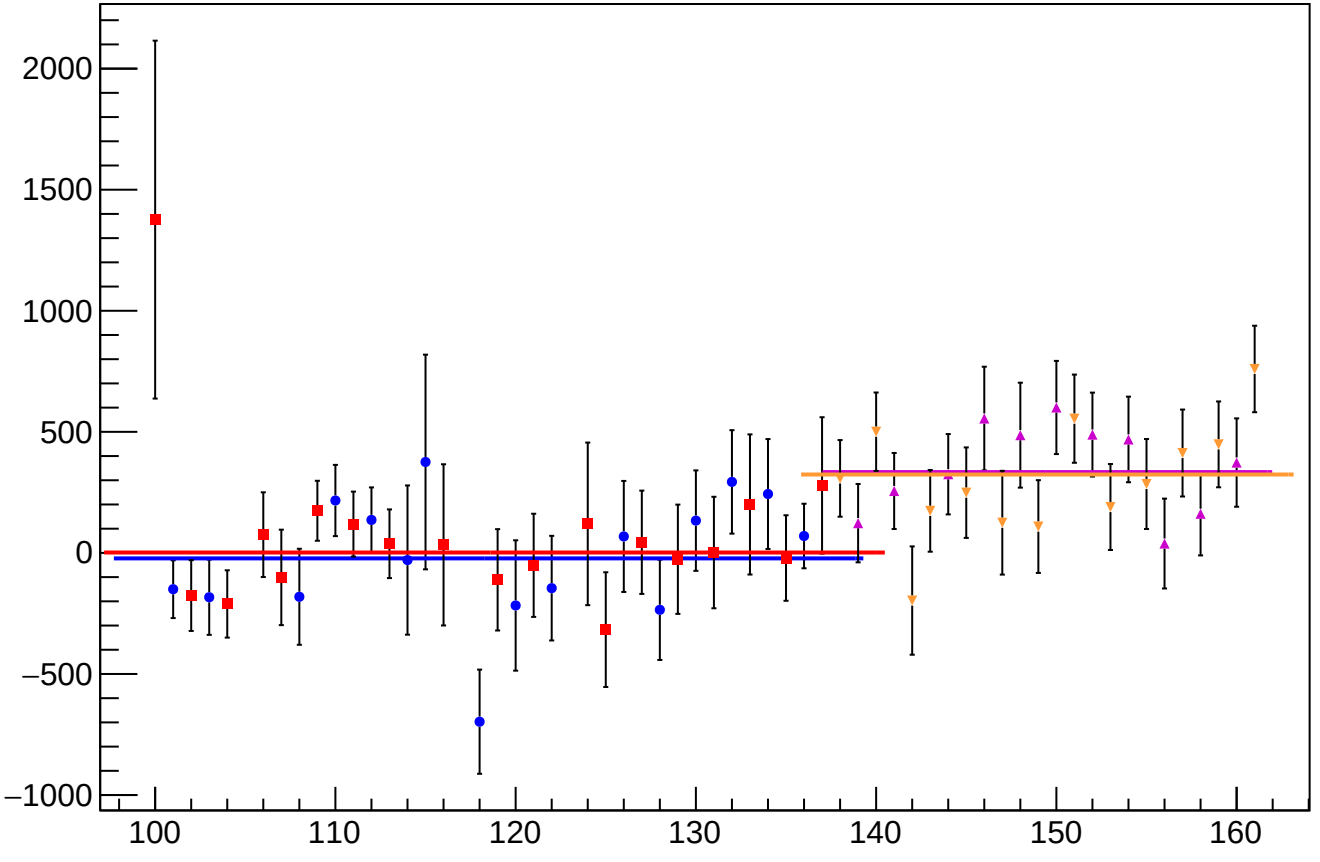
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 688.293+/-0.133 χ^2/NDF:6600715.4/26

Out: 712.356+/-0.131 χ^2/NDF:5709458.7/31

All: 700.516+/-0.093 χ^2/NDF: 12326828.1/58

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 323.806+/-50.256 χ^2/NDF:18.6/12

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 333.782+/-53.970 χ^2/NDF:10.4/10

Left: 328.439+/-36.779 χ^2/NDF: 29.0/23

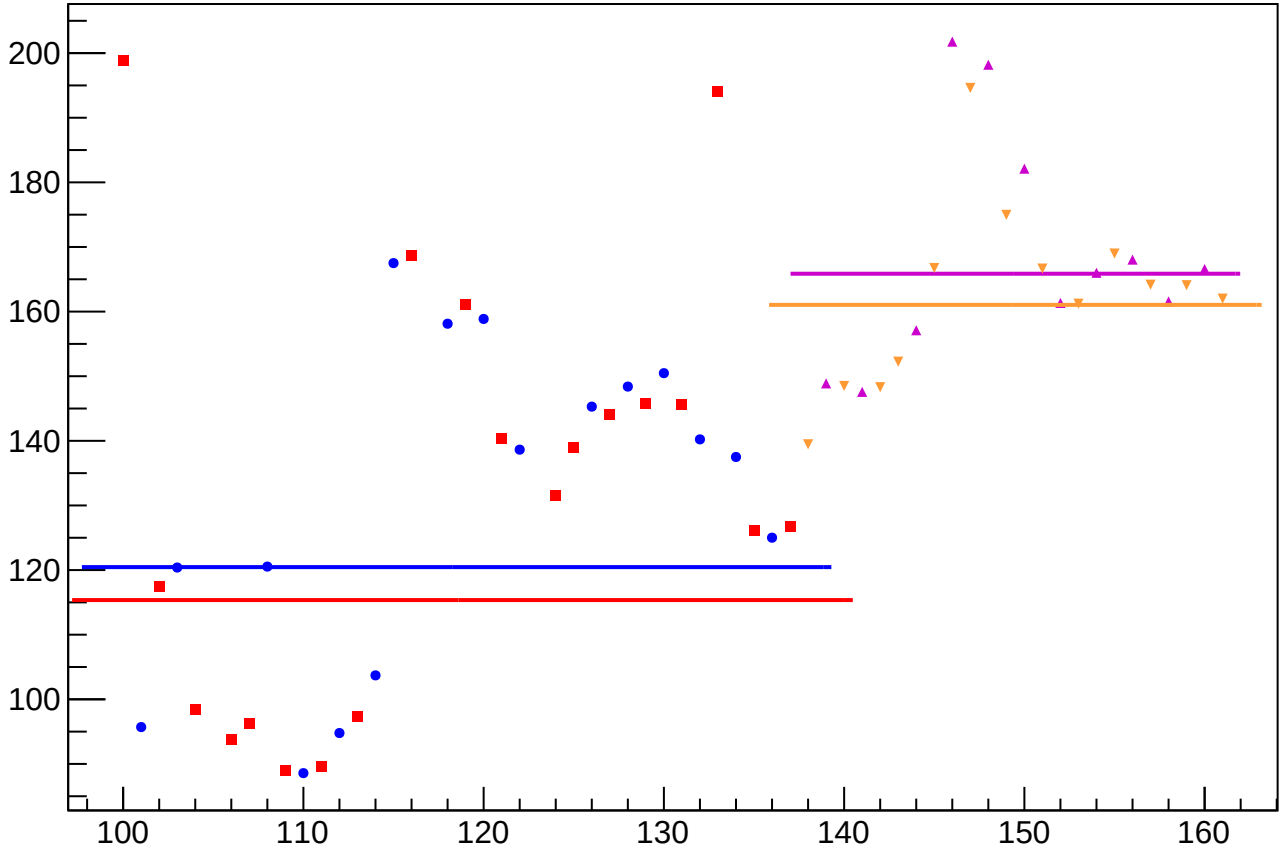
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 126.967+/-34.969 χ^2/NDF:59.9/26

Out: 139.833+/-32.918 χ^2/NDF:56.4/31

All: 133.788+/-23.969 χ^2/NDF: 116.3/58

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.040+/-0.036 χ^2/NDF:129503.7/12

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 165.862+/-0.038 χ^2/NDF:172708.2/10

Left: 163.279+/-0.026 χ^2/NDF: 310763.1/23

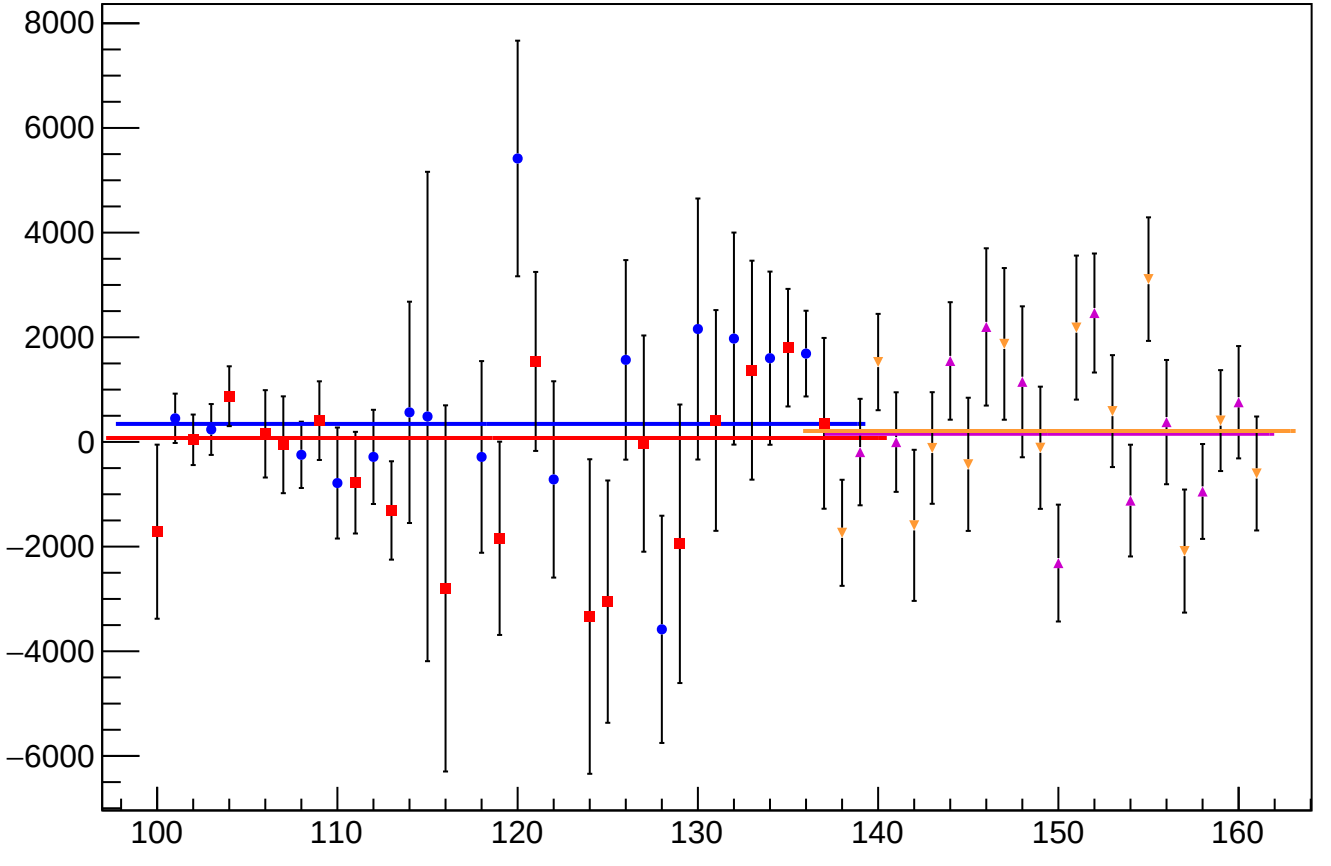
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 139.519+/-0.025 χ^2/NDF:1524301.0/26

Out: 134.956+/-0.023 χ^2/NDF:1840330.2/31

All: 137.100+/-0.017 χ^2/NDF: 3382687.3/58

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 209.244+/-314.627 χ^2/NDF:21.7/12

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 155.653+/-332.700 χ^2/NDF:16.3/10

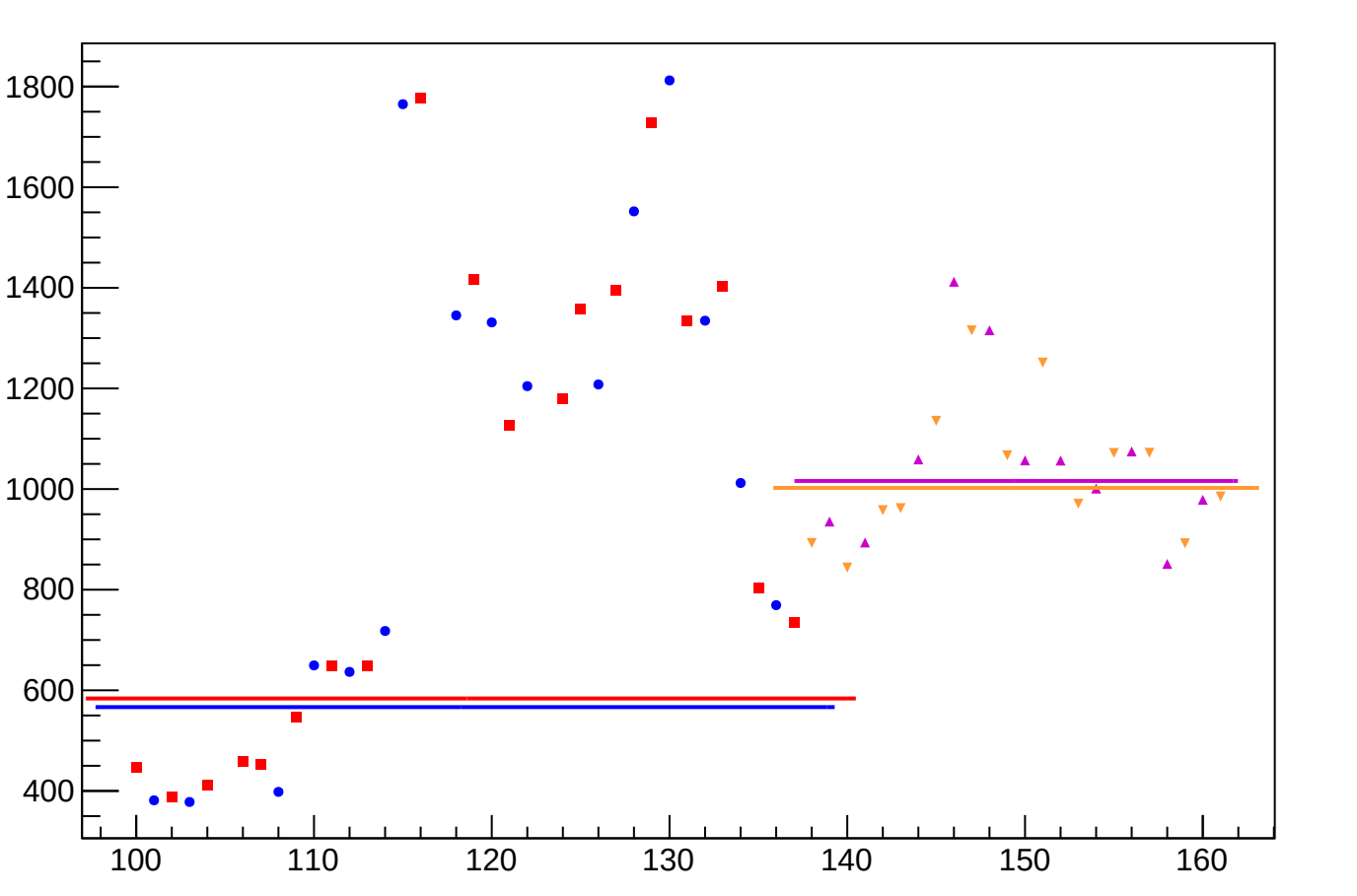
Left: 183.944+/-228.597 χ^2/NDF: 38.0/23

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 279.280+/-195.456 χ^2/NDF:32.7/26

Out: 124.779+/-191.061 χ^2/NDF:37.0/31

All: 200.273+/-136.628 χ^2/NDF: 70.1/58



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1002.348+/-0.222 χ^2/NDF:316437.8/12

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1016.104+/-0.235 χ^2/NDF:352702.1/10

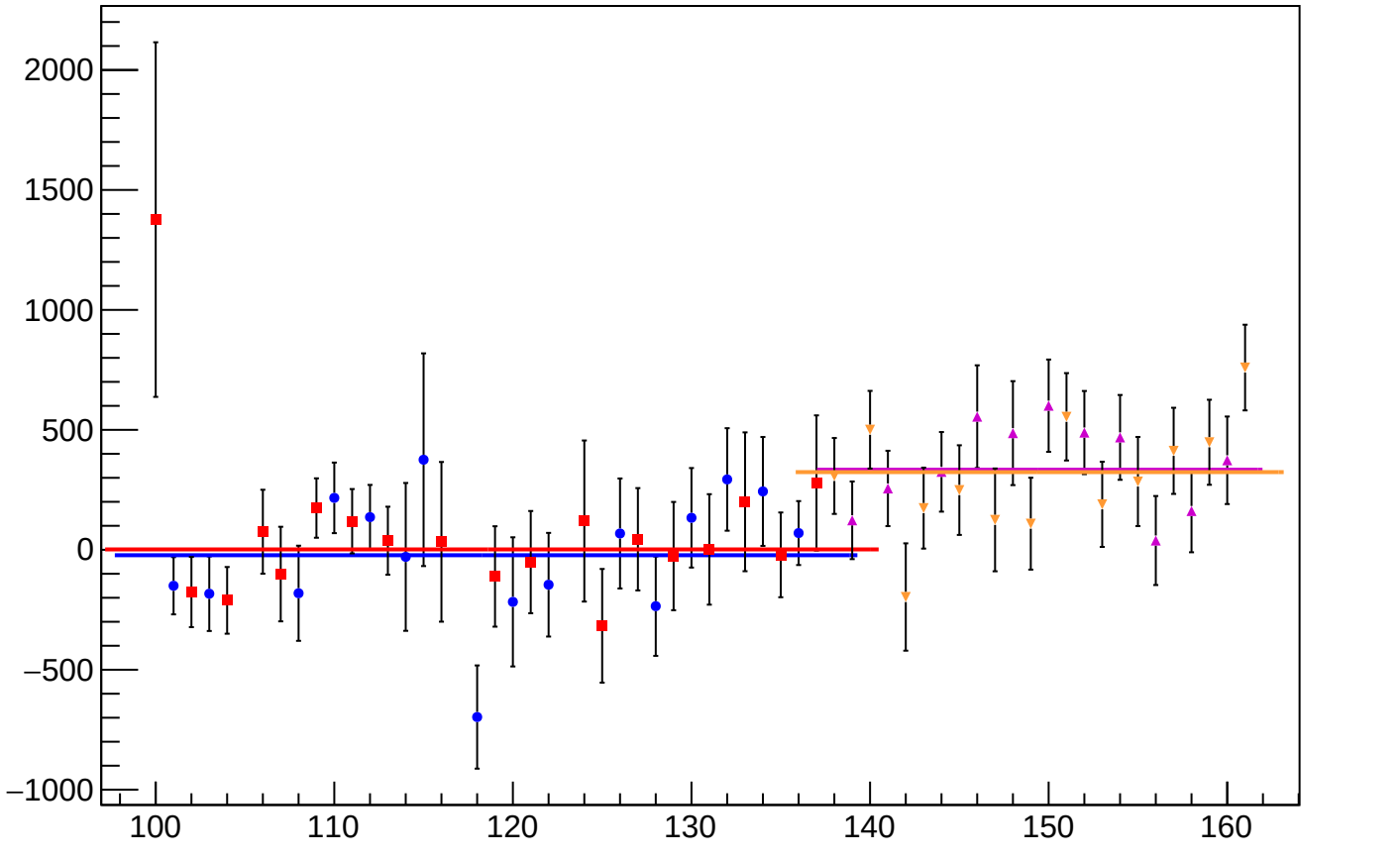
Left: 1008.842+/-0.162 χ^2/NDF: 670944.7/23

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 721.743+/-0.138 χ^2/NDF:6175896.3/26

Out: 738.143+/-0.135 χ^2/NDF:5658194.2/31

All: 730.129+/-0.097 χ^2/NDF: 11841290.8/58



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 323.806+/-50.256 χ^2/NDF:18.6/12

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 333.782+/-53.970 χ^2/NDF:10.4/10

Left: 328.439+/-36.779 χ^2/NDF: 29.0/23

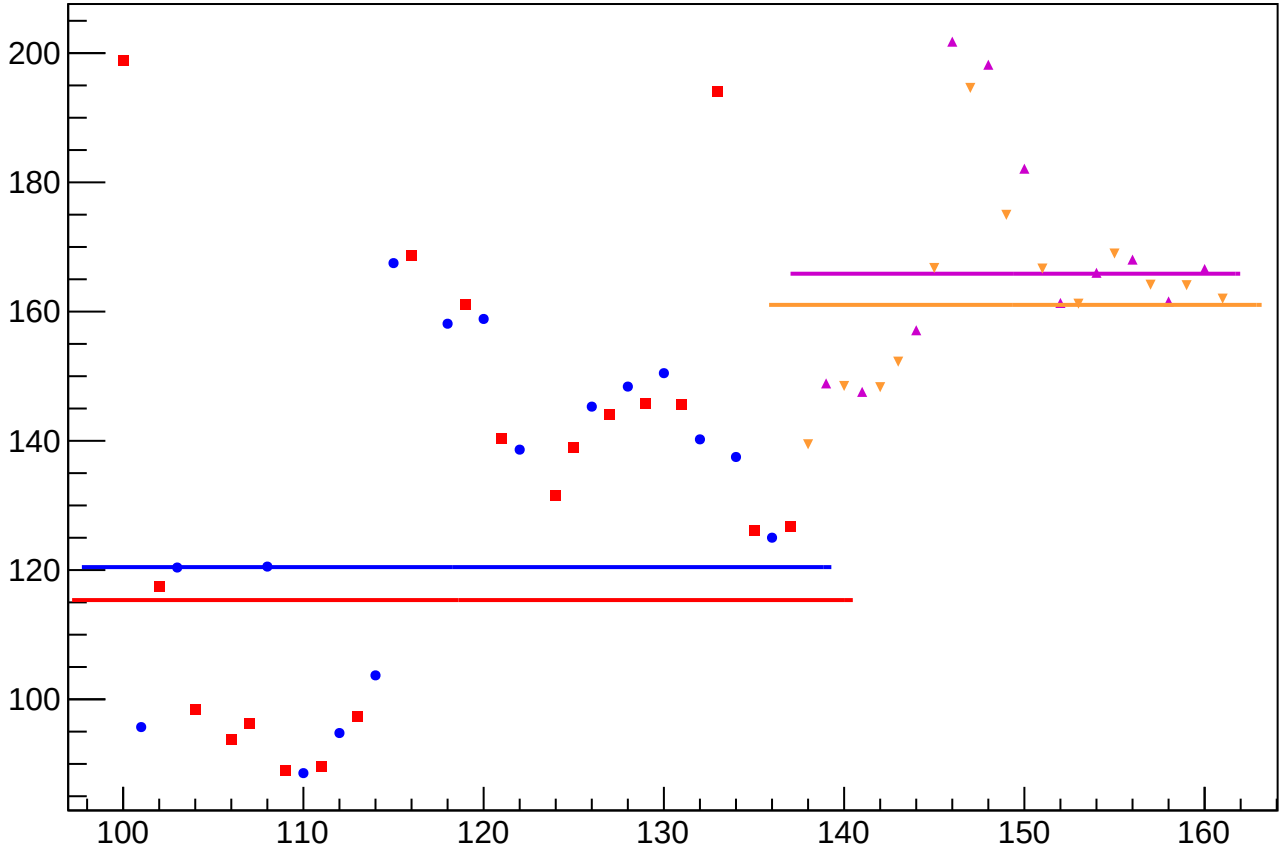
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 126.965+/-34.968 χ^2/NDF:59.9/26

Out: 139.834+/-32.918 χ^2/NDF:56.4/31

All: 133.788+/-23.968 χ^2/NDF: 116.3/58

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.040+/-0.036 χ^2/NDF:129502.8/12

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 165.862+/-0.038 χ^2/NDF:172708.5/10

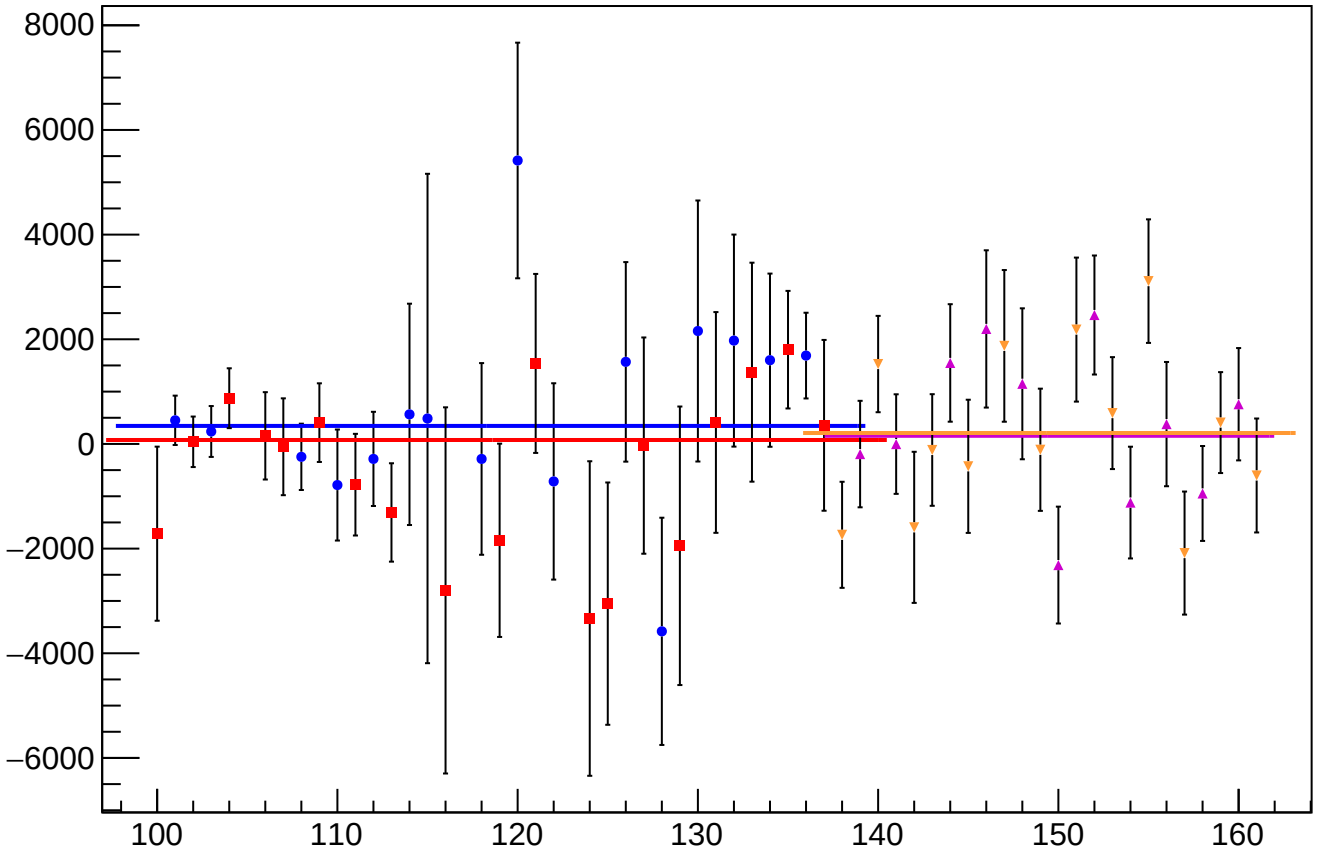
Left: 163.279+/-0.026 χ^2/NDF: 310762.8/23

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 139.519+/-0.025 χ^2/NDF:1524310.7/26

Out: 134.956+/-0.023 χ^2/NDF:1840329.8/31

All: 137.100+/-0.017 χ^2/NDF: 3382696.4/58



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 209.245+/-314.627 χ^2/NDF:21.7/12

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 155.653+/-332.700 χ^2/NDF:16.3/10

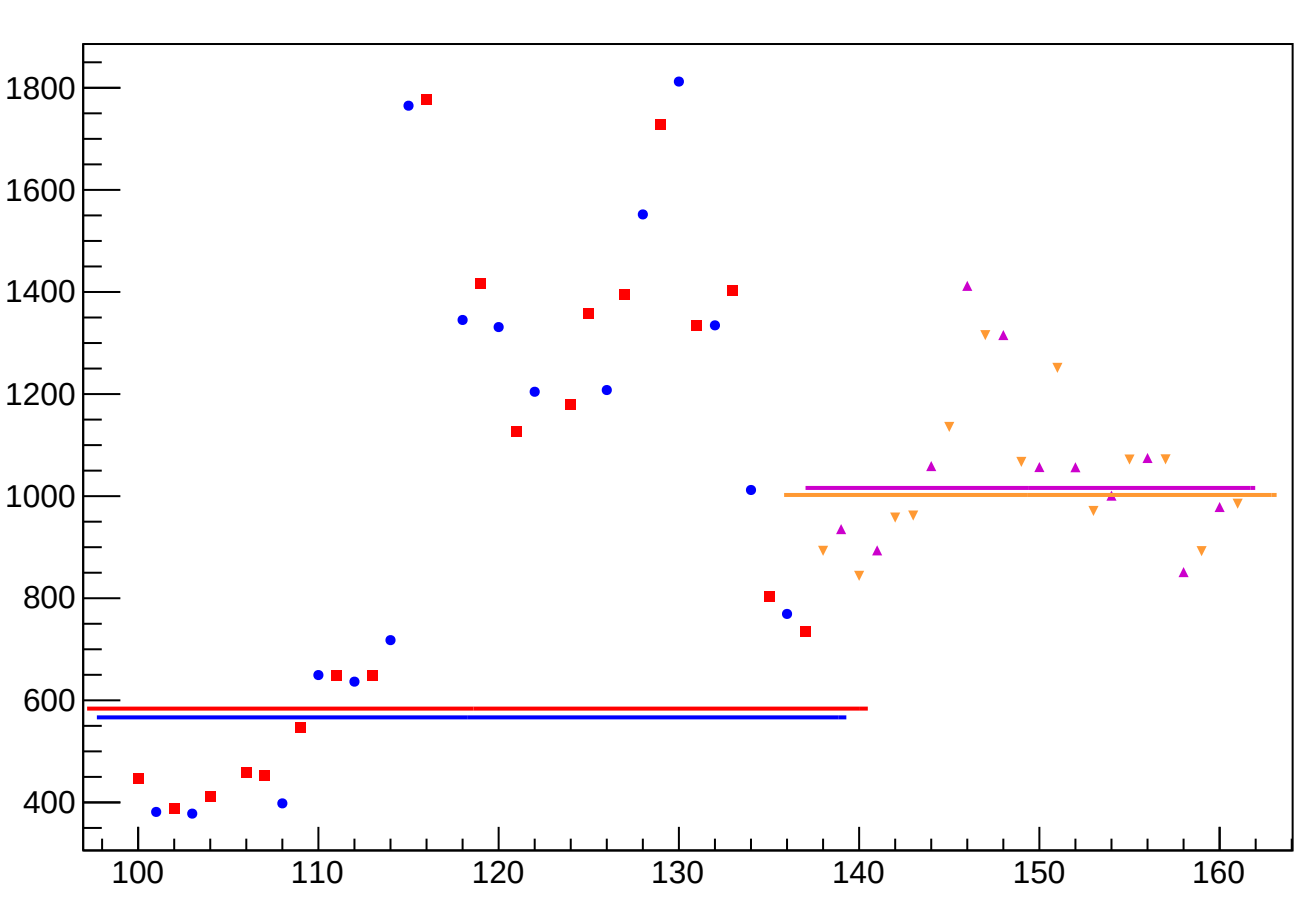
Left: 183.944+/-228.597 χ^2/NDF: 38.0/23

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 279.280+/-195.456 χ^2/NDF:32.7/26

Out: 124.780+/-191.061 χ^2/NDF:37.0/31

All: 200.274+/-136.628 χ^2/NDF: 70.1/58



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1002.348+/-0.222 χ^2/NDF:316440.1/12

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1016.103+/-0.235 χ^2/NDF:352705.0/10

Left: 1008.842+/-0.162 χ^2/NDF: 670949.9/23

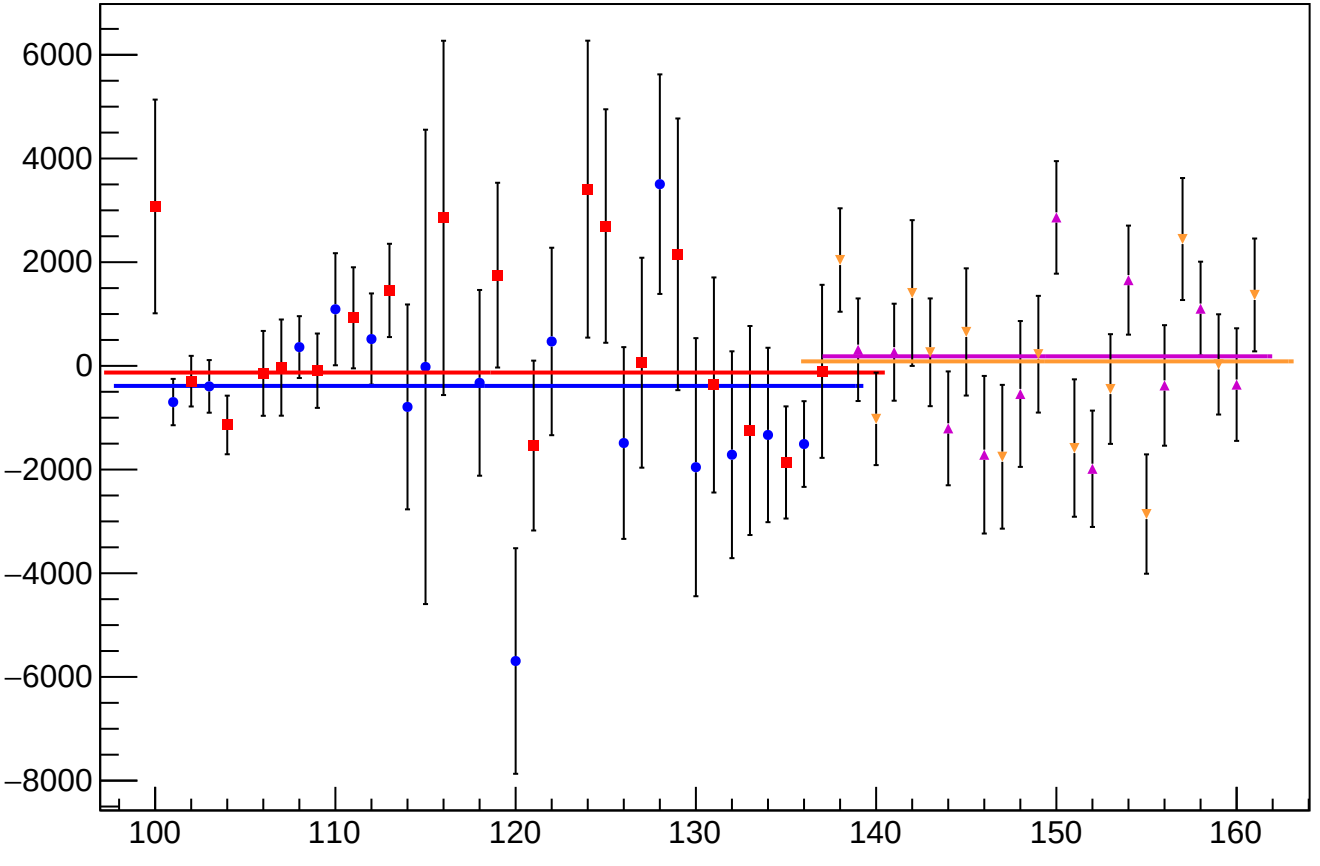
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 721.742+/-0.138 χ^2/NDF:6175909.8/26

Out: 738.142+/-0.135 χ^2/NDF:5658199.9/31

All: 730.129+/-0.097 χ^2/NDF: 11841310.2/58

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 86.922+/-308.319 χ^2/NDF:22.1/12

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 184.444+/-328.213 χ^2/NDF:16.7/10

Left: 132.638+/-224.719 χ^2/NDF: 38.9/23

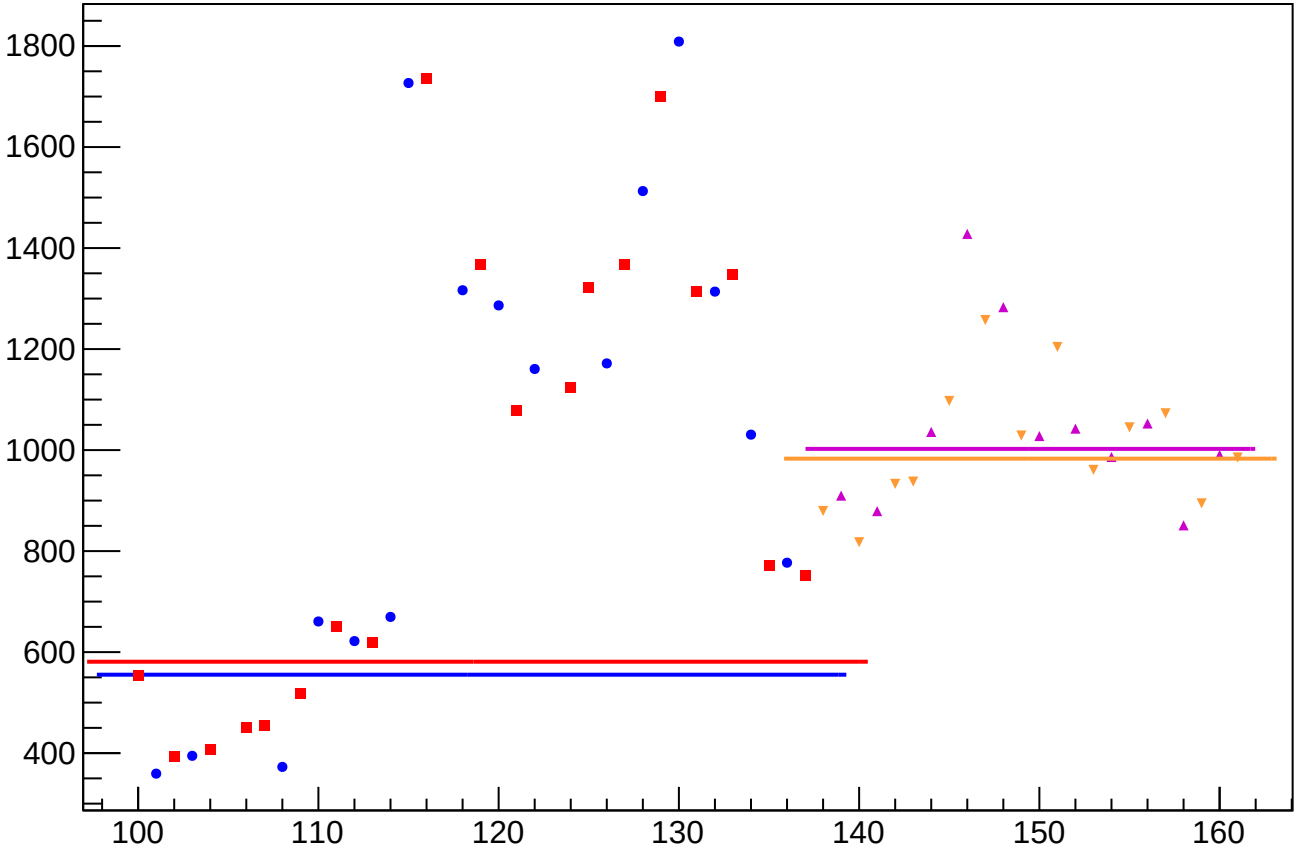
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -190.272+/-192.422 χ^2/NDF:36.7/26

Out: -48.015+/-188.518 χ^2/NDF:41.8/31

All: -117.686+/-134.661 χ^2/NDF: 78.7/58

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 983.074+/-0.218 χ^2/NDF:286528.9/12

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1002.415+/-0.232 χ^2/NDF:354397.7/10

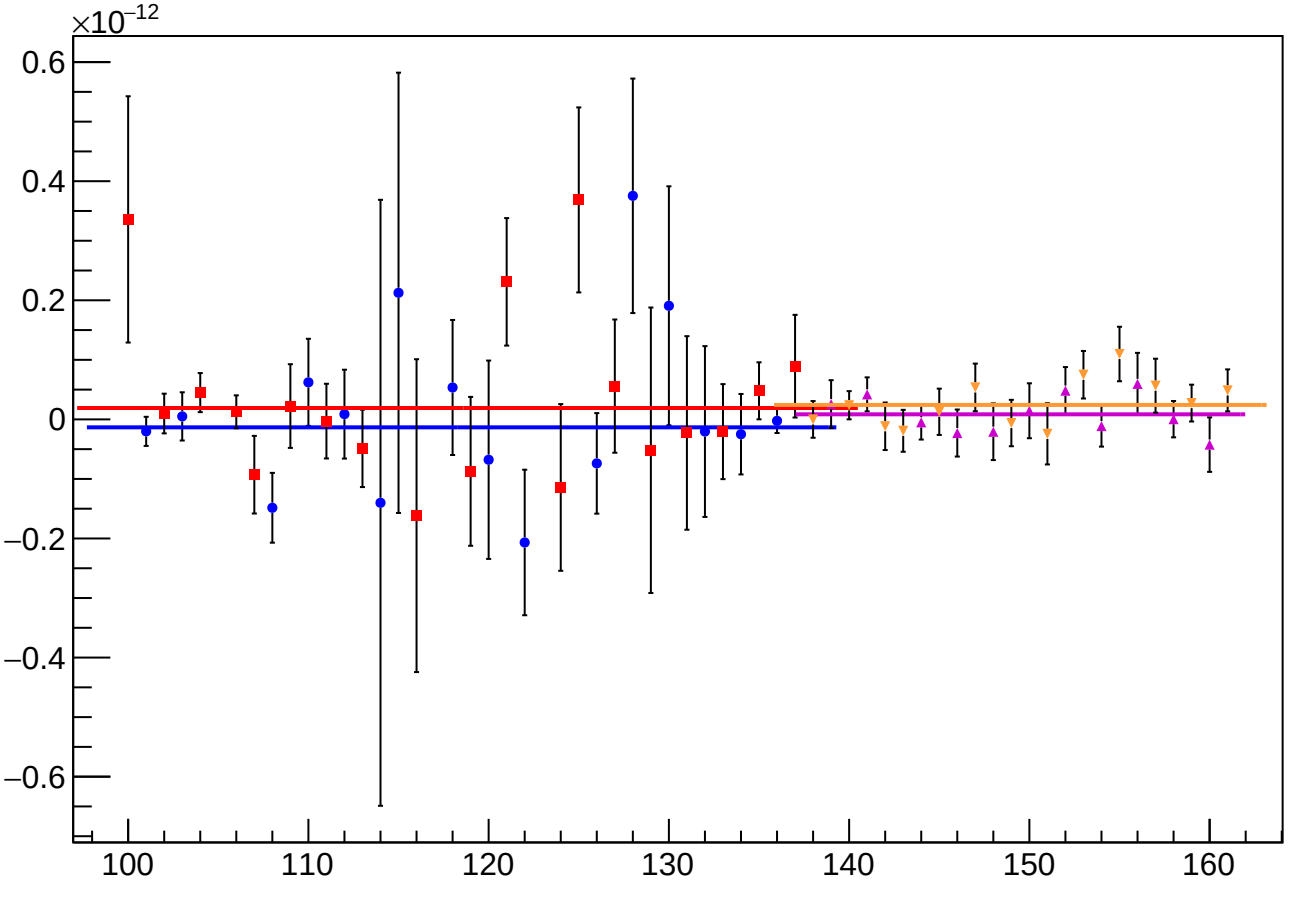
Left: 992.141+/-0.159 χ^2/NDF: 644615.8/23

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 708.975+/-0.136 χ^2/NDF:6272864.0/26

Out: 731.315+/-0.133 χ^2/NDF:5399819.1/31

All: 720.374+/-0.095 χ^2/NDF: 11686438.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

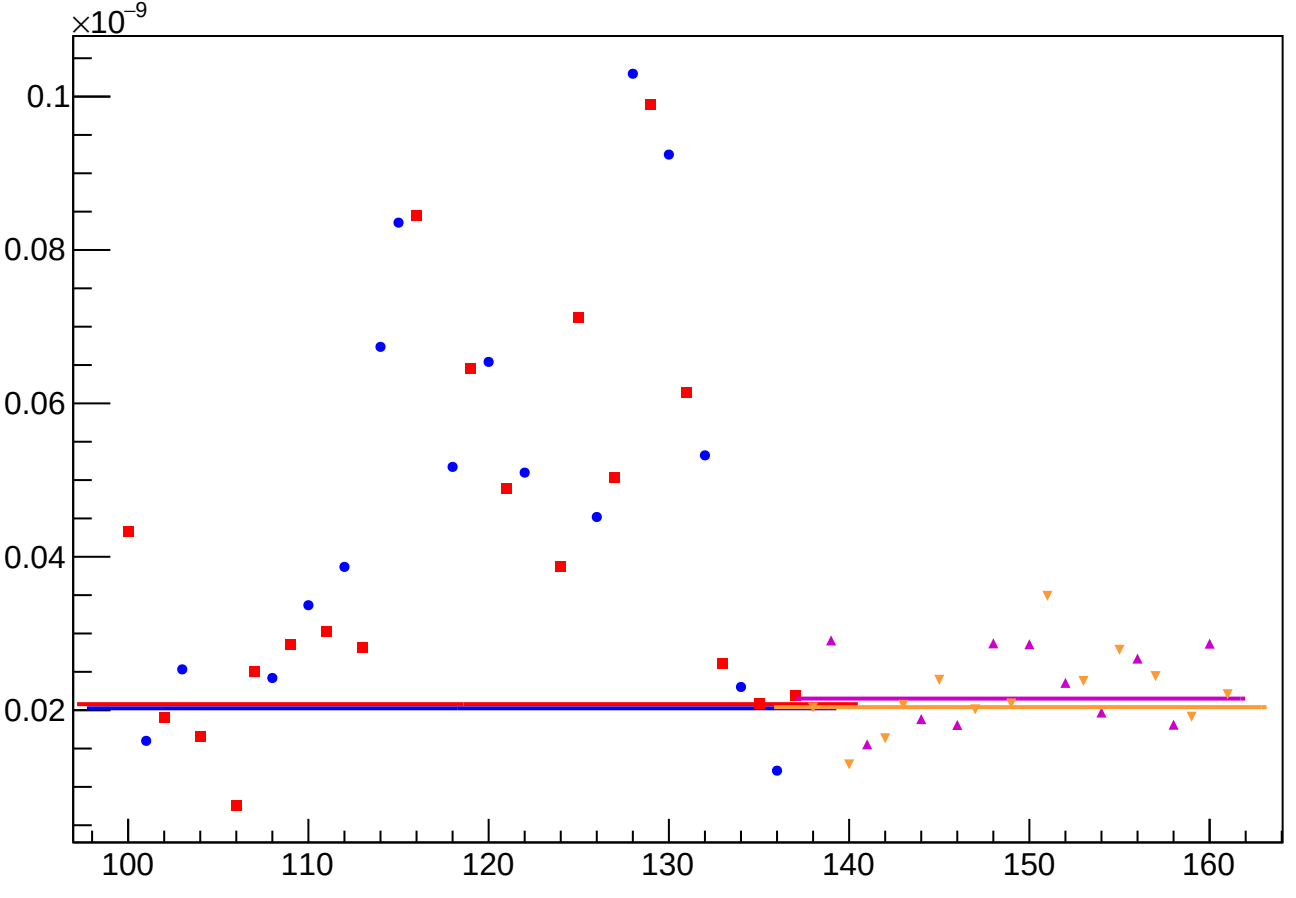
Left: 0.000+/-0.000 χ^2/NDF: 18.7/23

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:23.9/26

Out: 0.000+/-0.000 χ^2/NDF:31.2/31

All: 0.000+/-0.000 χ^2/NDF: 59.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:488086.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:388241.1/10

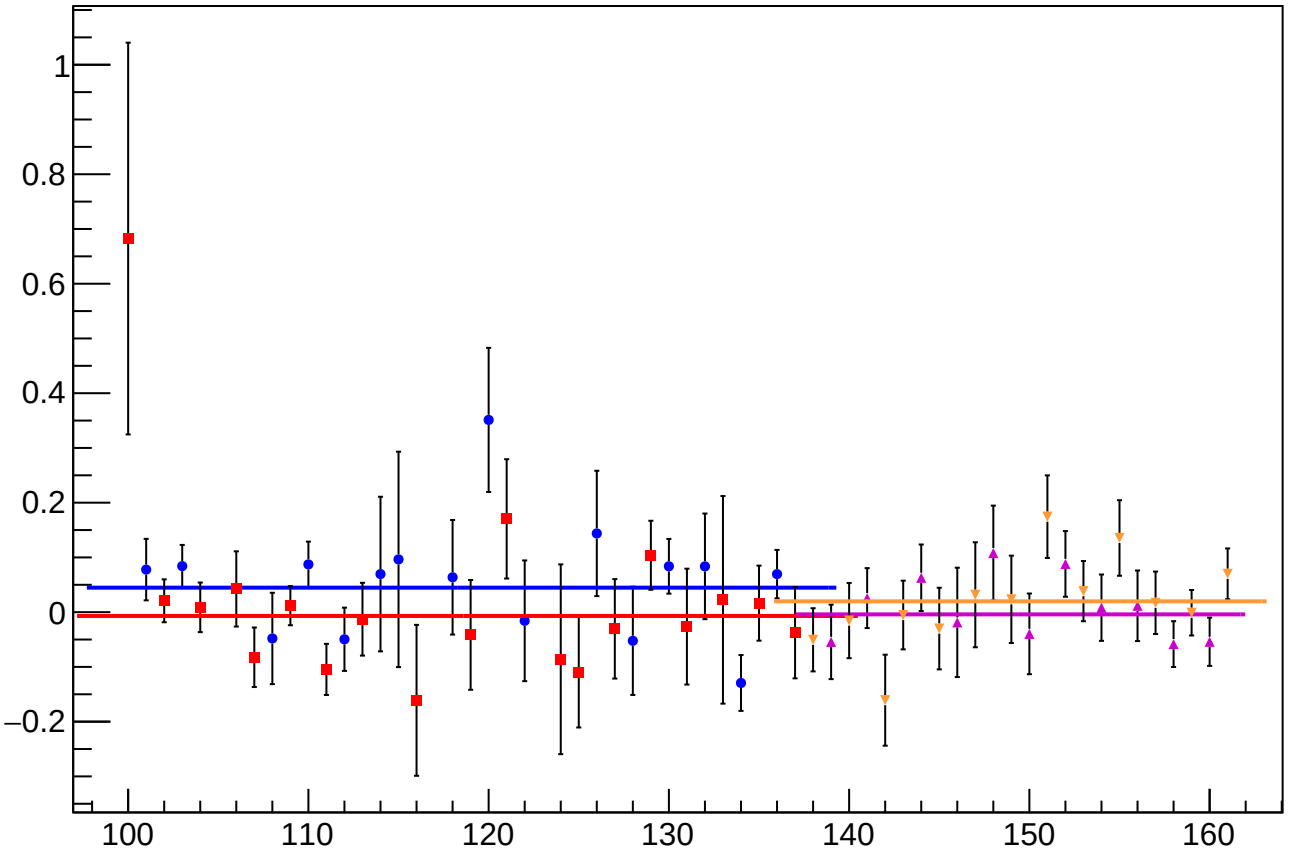
Left: 0.000+/-0.000 χ^2/NDF: 887392.5/23

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2403894.5/26

Out: 0.000+/-0.000 χ^2/NDF:2345008.3/31

All: 0.000+/-0.000 χ^2/NDF: 4751728.0/58



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.018 χ^2/NDF:9.4/10

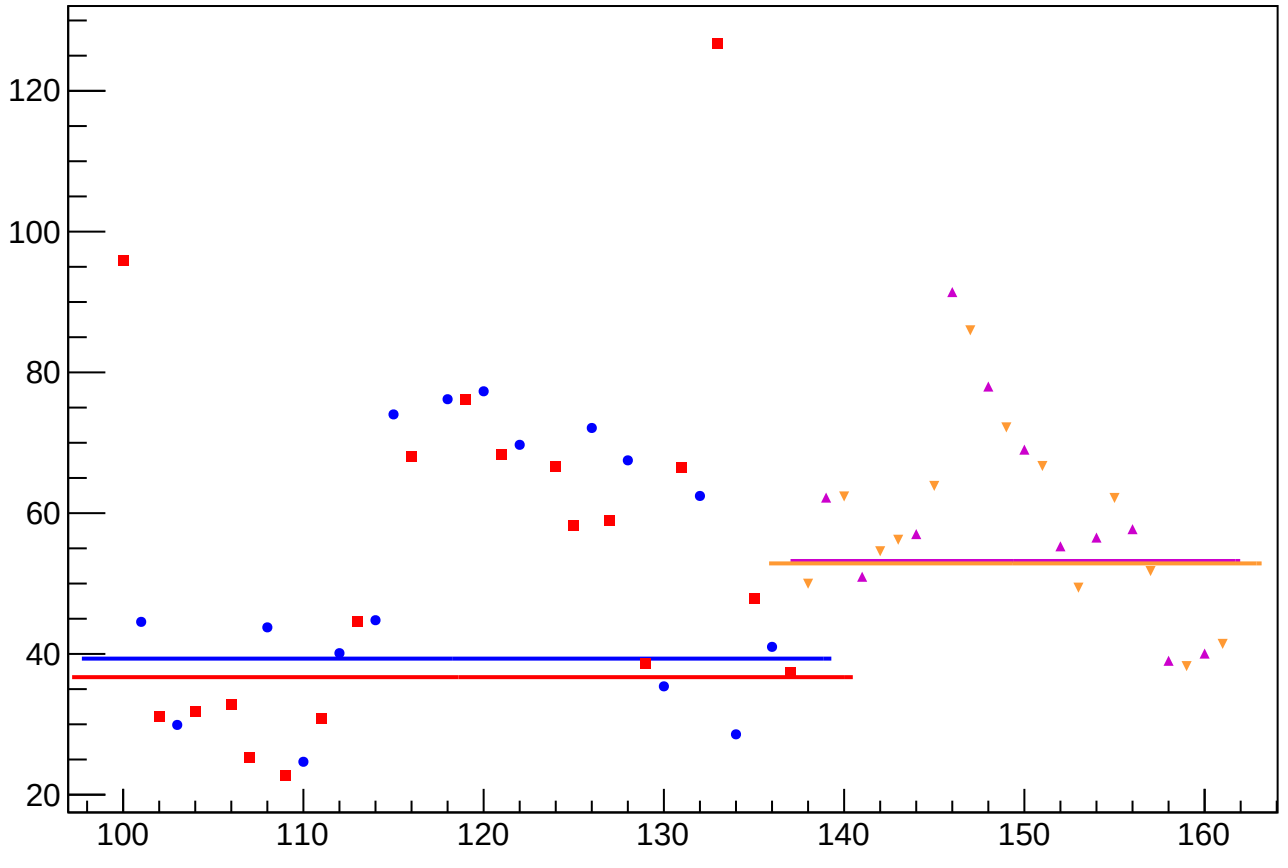
Left: 0.008+/-0.012 χ^2/NDF: 26.0/23

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.005+/-0.011 χ^2/NDF:37.2/31

All: 0.013+/-0.008 χ^2/NDF: 78.6/58



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.860+/-0.012 χ^2/NDF:930347.8/12

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

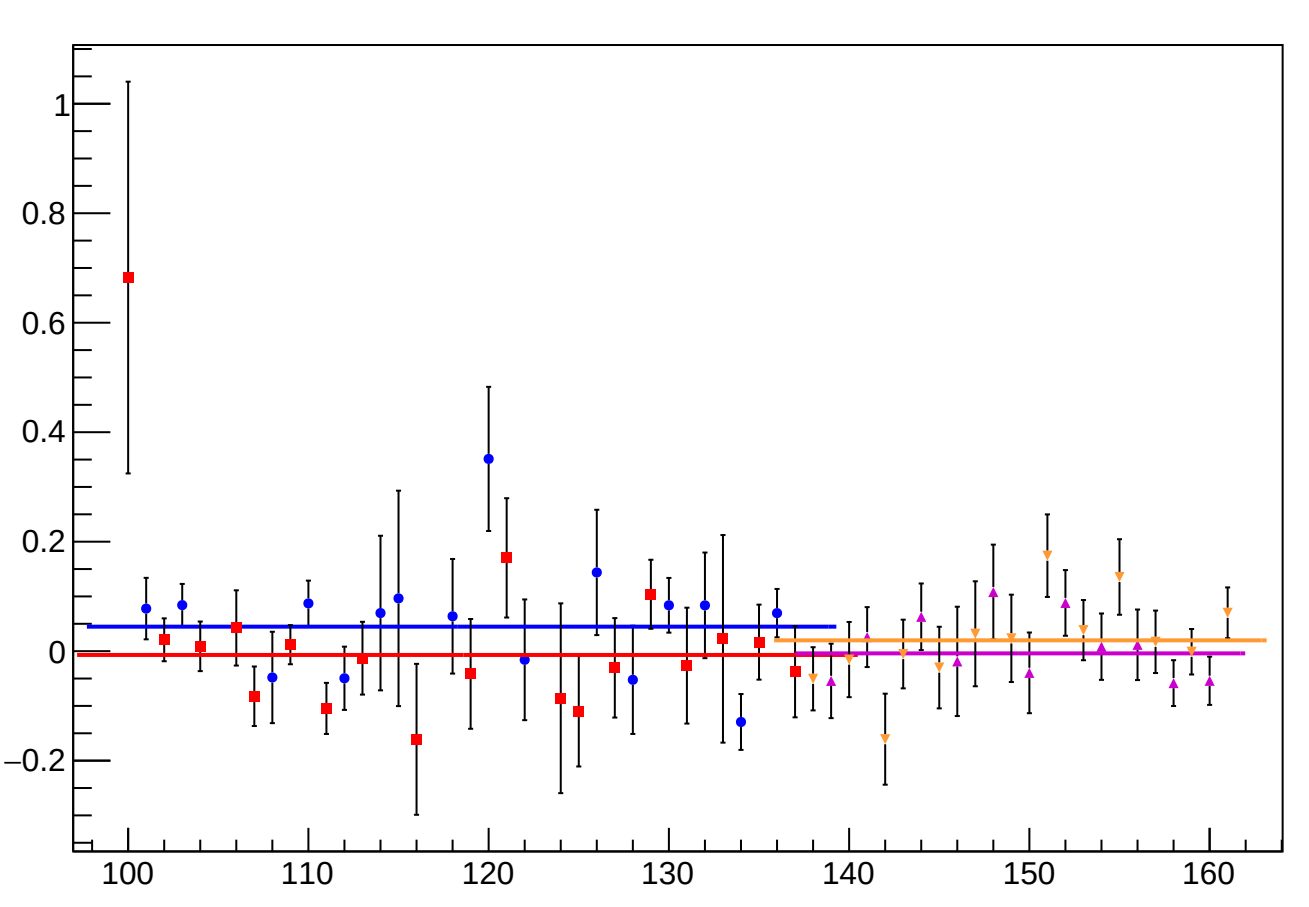
Left: 53.024+/-0.009 χ^2/NDF: 1951937.9/23

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.496+/-0.008 χ^2/NDF:3253554.0/26

Out: 43.793+/-0.008 χ^2/NDF:4031122.1/31

All: 44.599+/-0.006 χ^2/NDF: 7306114.1/58



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.018 χ^2/NDF:9.4/10

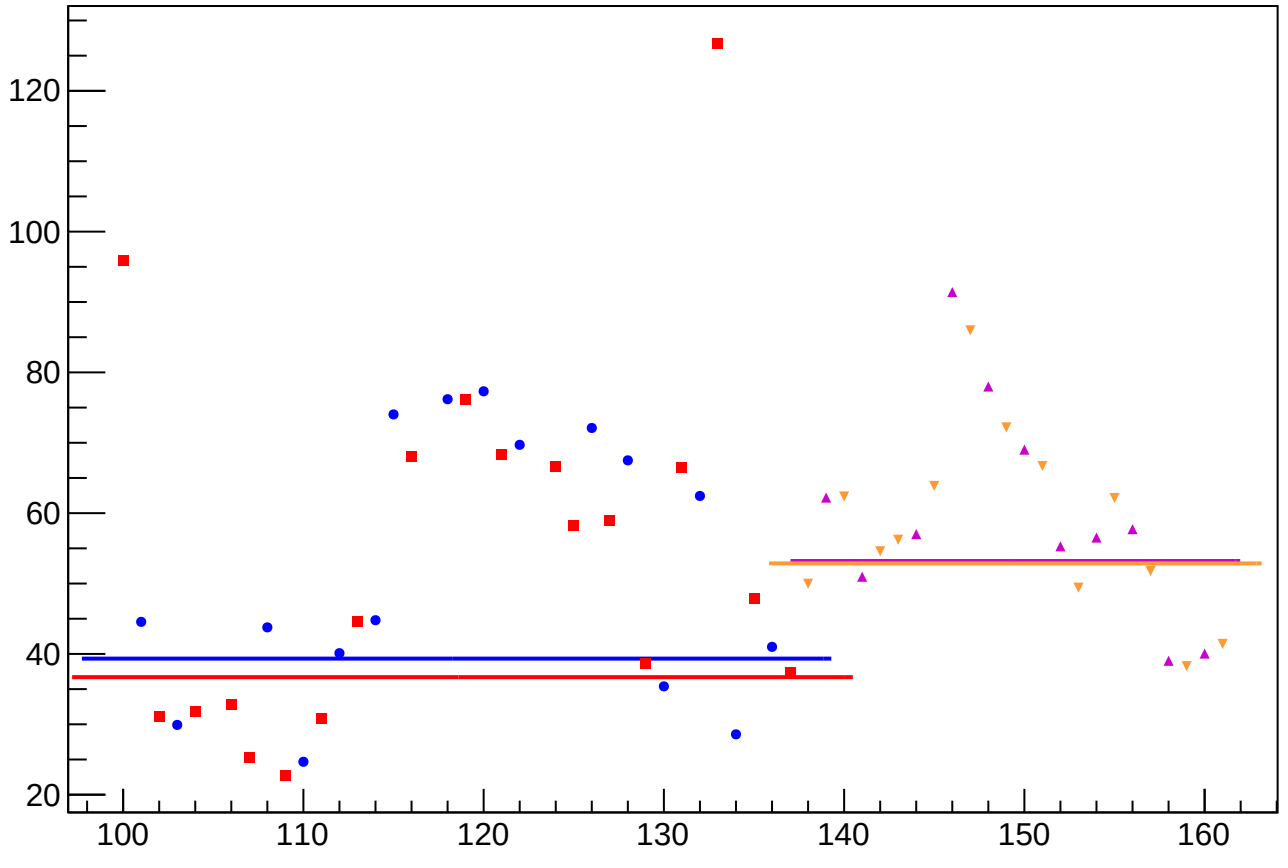
Left: 0.008+/-0.012 χ^2/NDF: 26.0/23

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.005+/-0.011 χ^2/NDF:37.2/31

All: 0.013+/-0.008 χ^2/NDF: 78.6/58



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.860+/-0.012 χ^2/NDF:930347.8/12

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

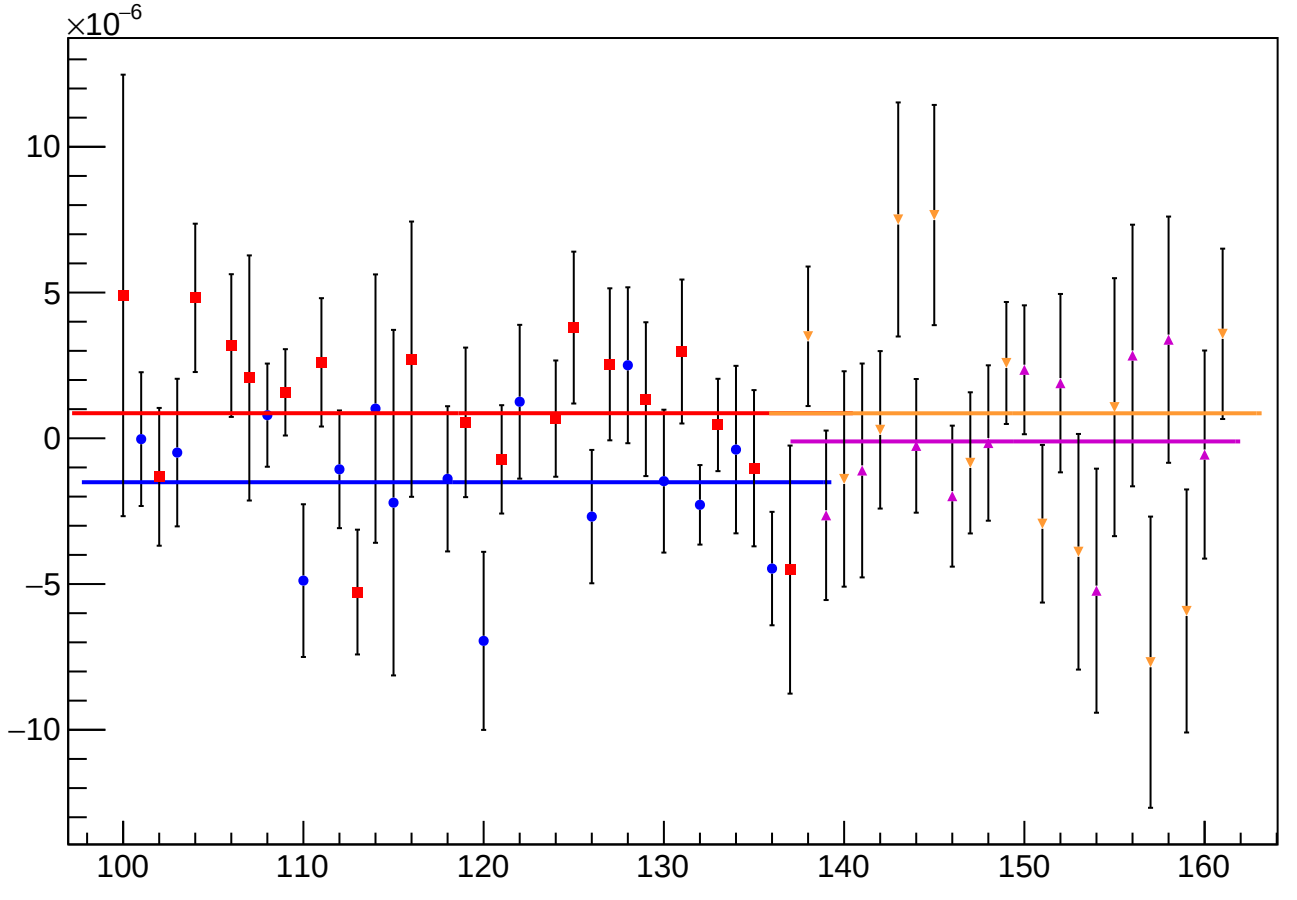
Left: 53.024+/-0.009 χ^2/NDF: 1951937.9/23

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.496+/-0.008 χ^2/NDF:3253554.0/26

Out: 43.793+/-0.008 χ^2/NDF:4031122.1/31

All: 44.599+/-0.006 χ^2/NDF: 7306114.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/10

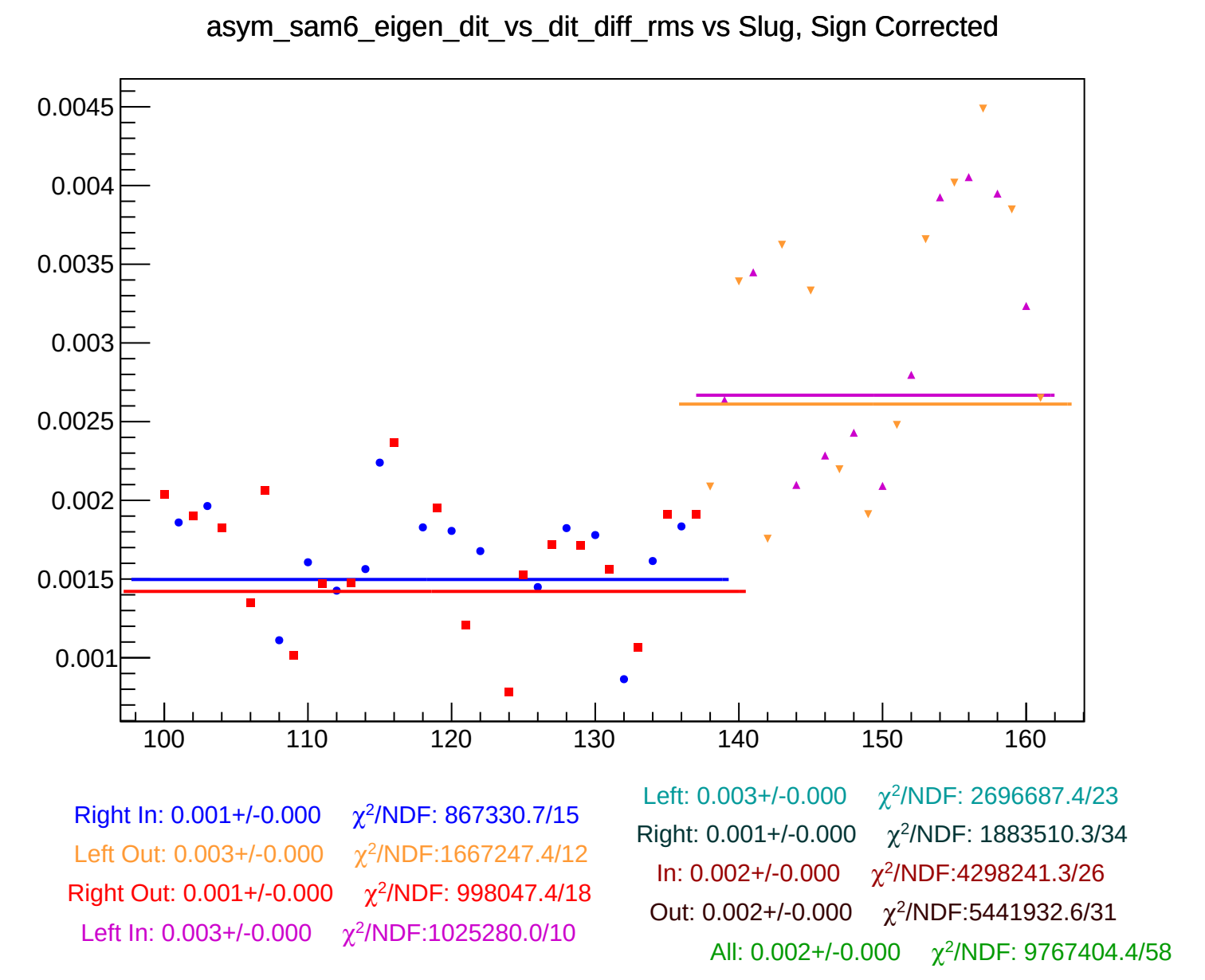
Left: 0.000+/-0.000 χ^2/NDF: 24.9/23

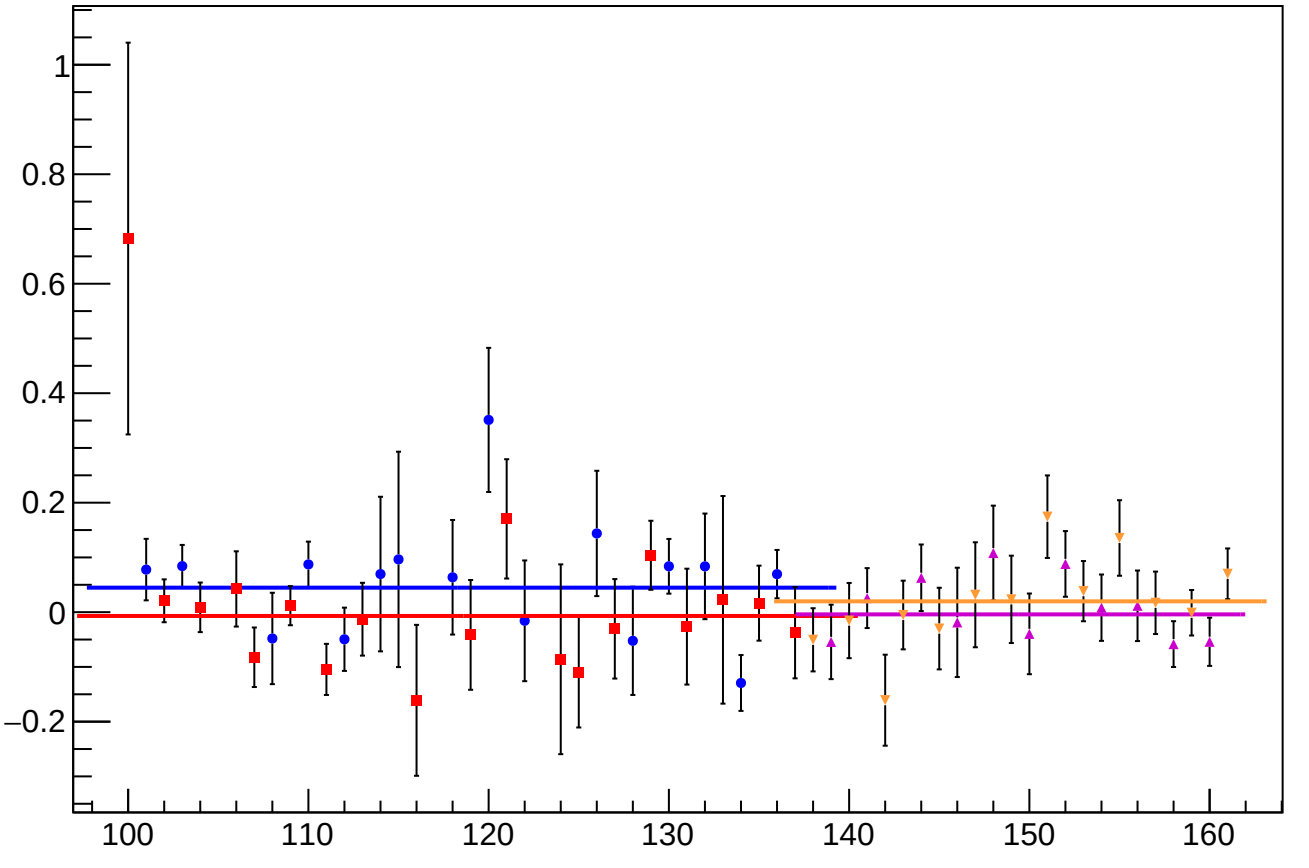
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/26

Out: 0.000+/-0.000 χ^2/NDF:37.7/31

All: -0.000+/-0.000 χ^2/NDF: 67.5/58


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1667247.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1025280.0/10
Left: 0.003+/-0.000 χ²/NDF: 2696687.4/23
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:4298241.3/26
Out: 0.002+/-0.000 χ²/NDF:5441932.6/31
All: 0.002+/-0.000 χ²/NDF: 9767404.4/58



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.018 χ^2/NDF:9.4/10

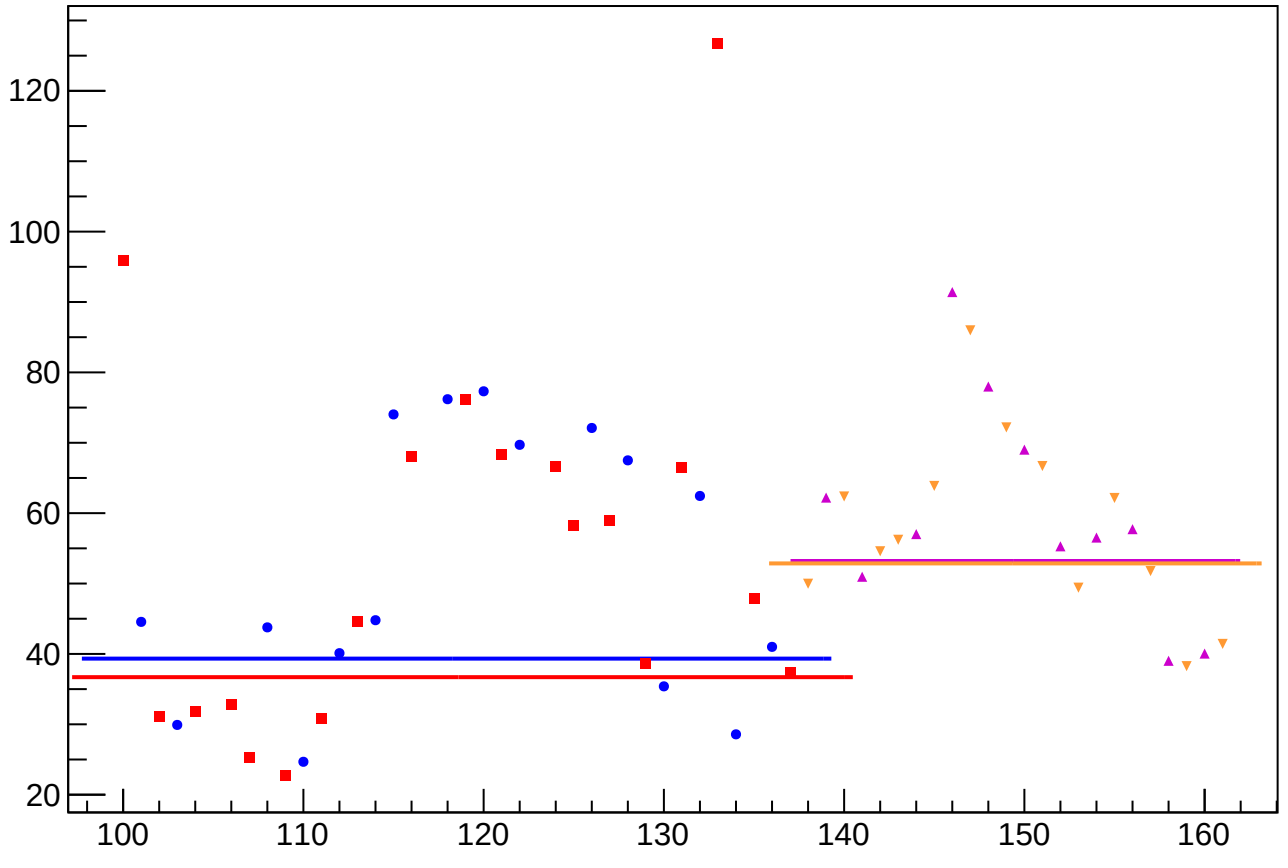
Left: 0.008+/-0.012 χ^2/NDF: 26.0/23

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.005+/-0.011 χ^2/NDF:37.2/31

All: 0.013+/-0.008 χ^2/NDF: 78.6/58



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.859+/-0.012 χ^2/NDF:930424.9/12

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.202+/-0.013 χ^2/NDF:1021328.3/10

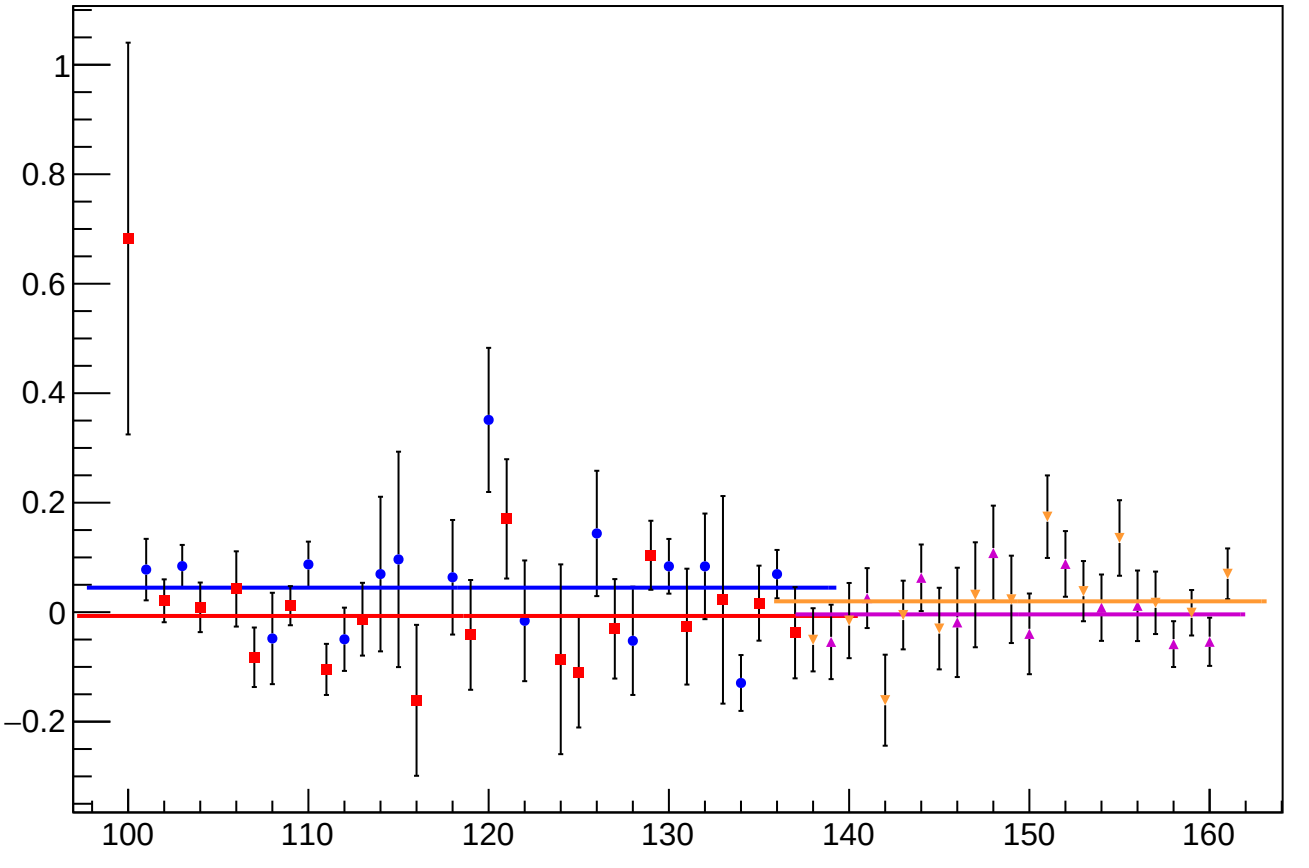
Left: 53.022+/-0.009 χ^2/NDF: 1952137.1/23

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.496+/-0.008 χ^2/NDF:3253651.0/26

Out: 43.792+/-0.008 χ^2/NDF:4031116.0/31

All: 44.598+/-0.006 χ^2/NDF: 7306198.9/58



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.018 χ^2/NDF:9.4/10

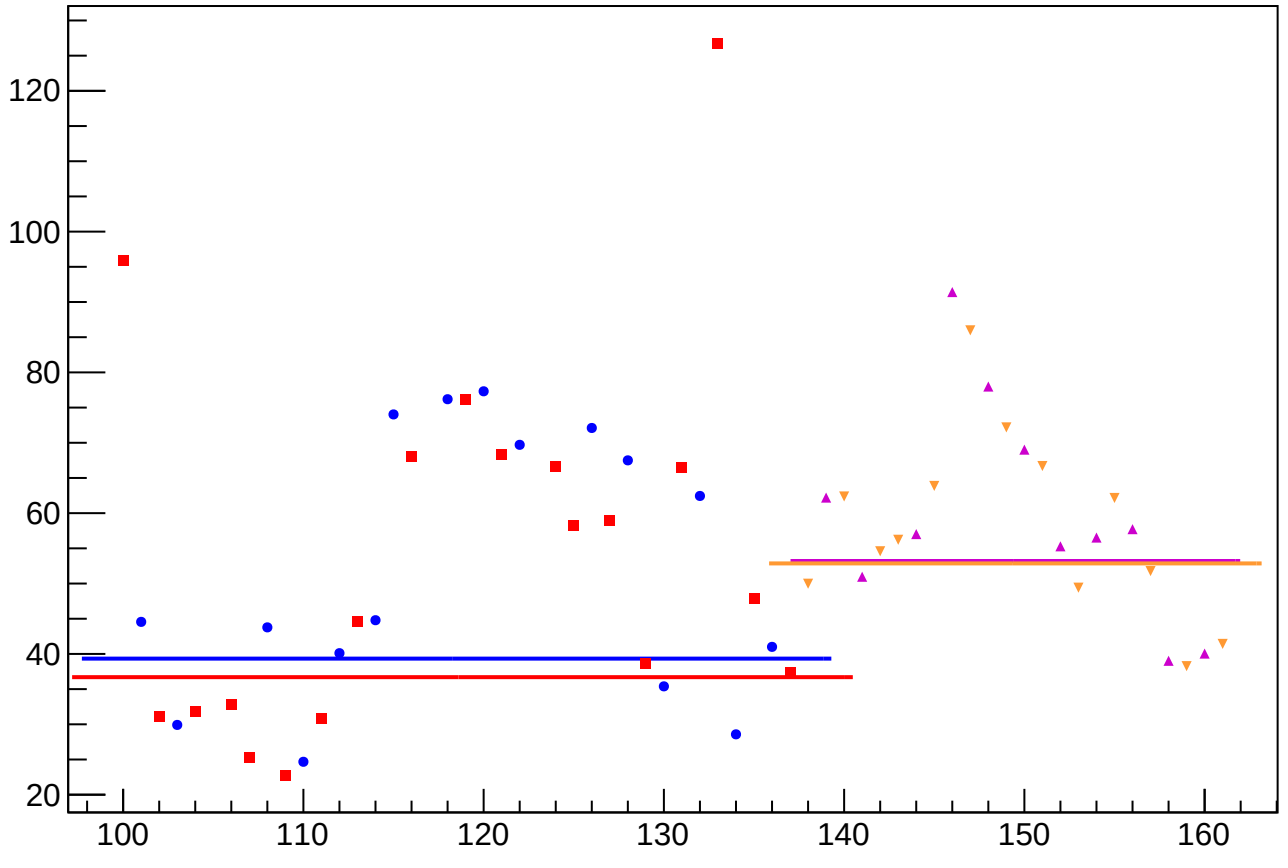
Left: 0.008+/-0.012 χ^2/NDF: 26.0/23

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.023+/-0.012 χ^2/NDF:40.2/26

Out: 0.005+/-0.011 χ^2/NDF:37.2/31

All: 0.013+/-0.008 χ^2/NDF: 78.6/58



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.859+/-0.012 χ^2/NDF:930424.9/12

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.202+/-0.013 χ^2/NDF:1021328.3/10

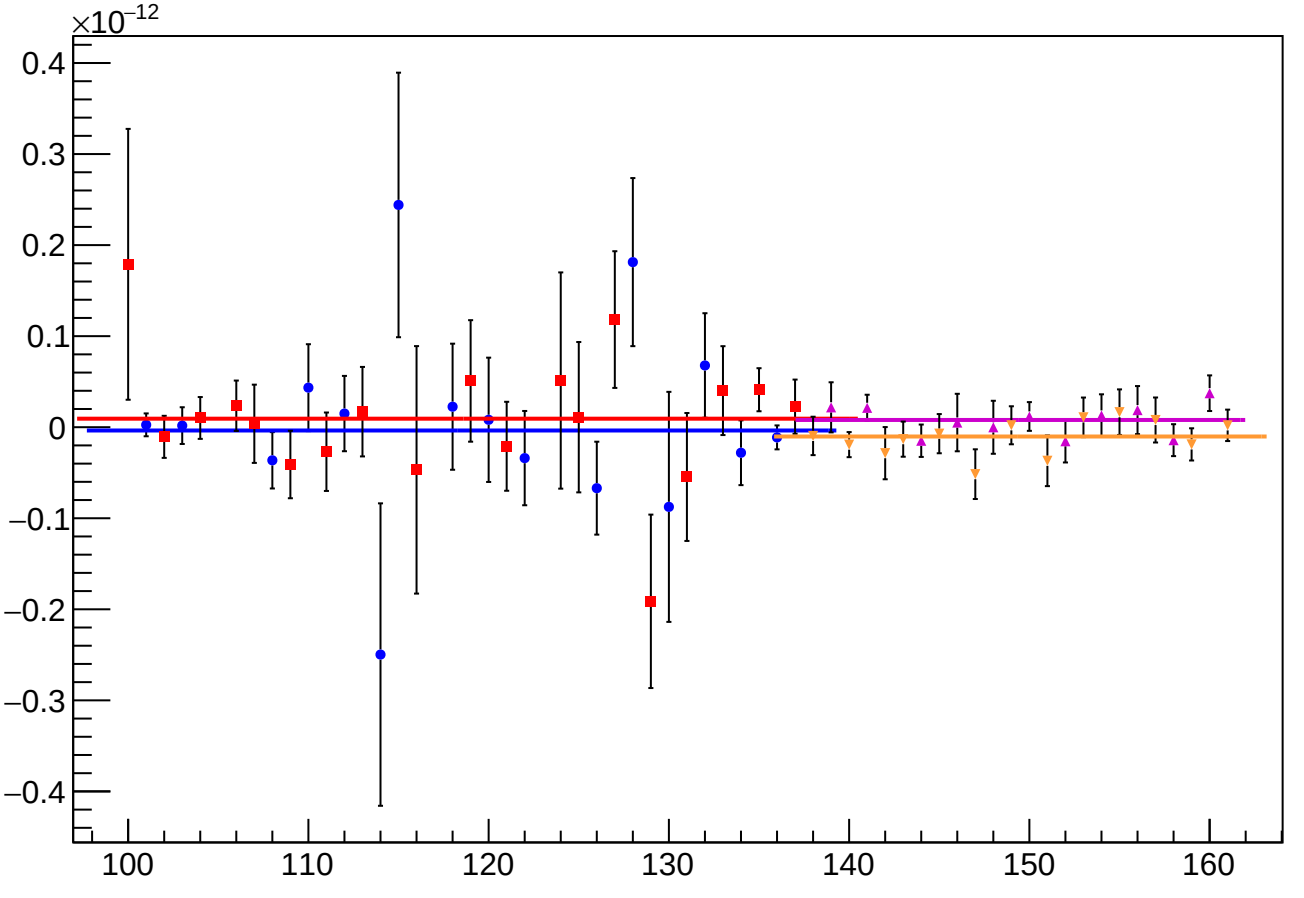
Left: 53.022+/-0.009 χ^2/NDF: 1952137.1/23

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.496+/-0.008 χ^2/NDF:3253651.0/26

Out: 43.792+/-0.008 χ^2/NDF:4031116.0/31

All: 44.598+/-0.006 χ^2/NDF: 7306198.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/10

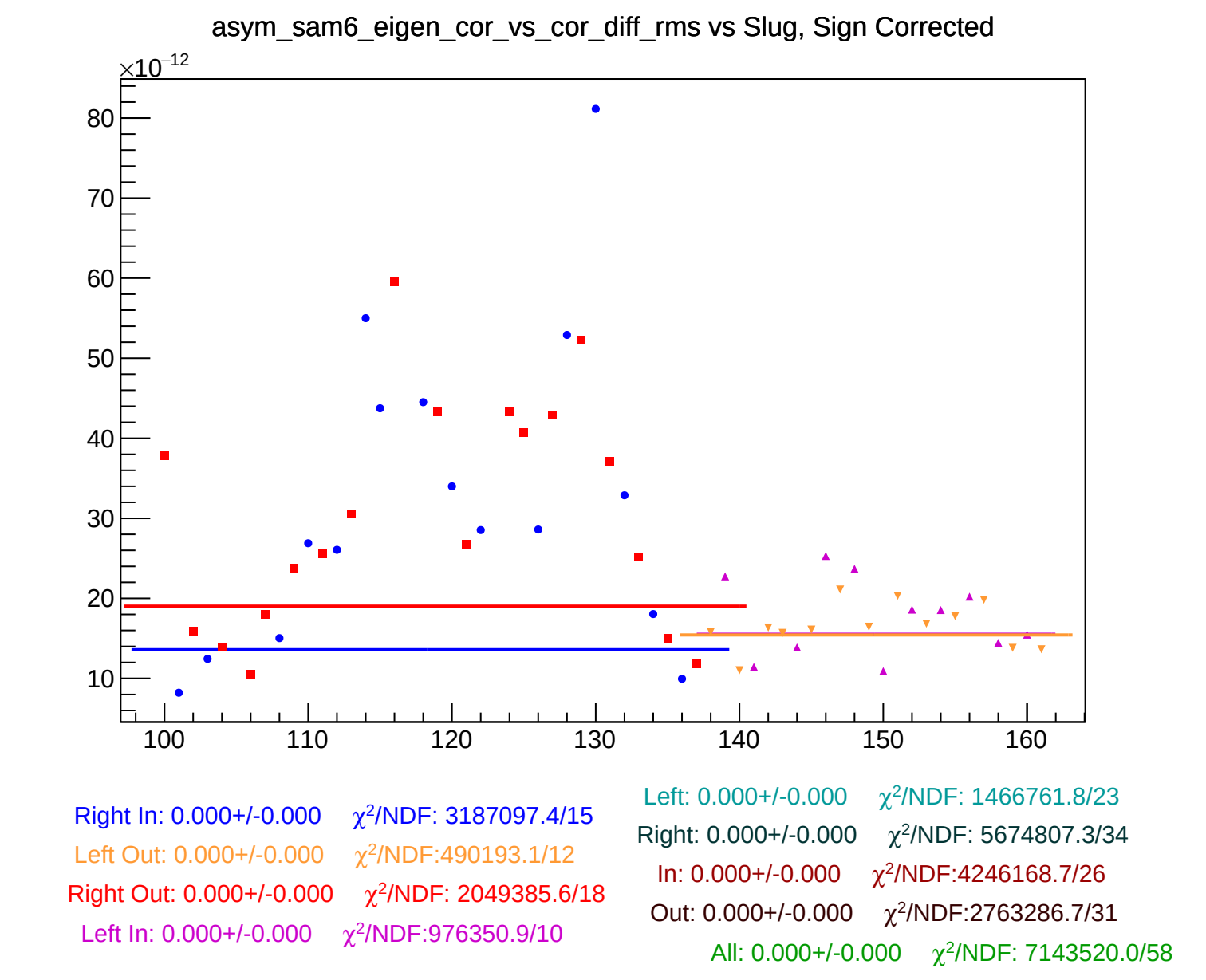
Left: -0.000+/-0.000 χ^2/NDF: 20.4/23

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.0/26

Out: -0.000+/-0.000 χ^2/NDF:26.9/31

All: -0.000+/-0.000 χ^2/NDF: 54.2/58


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
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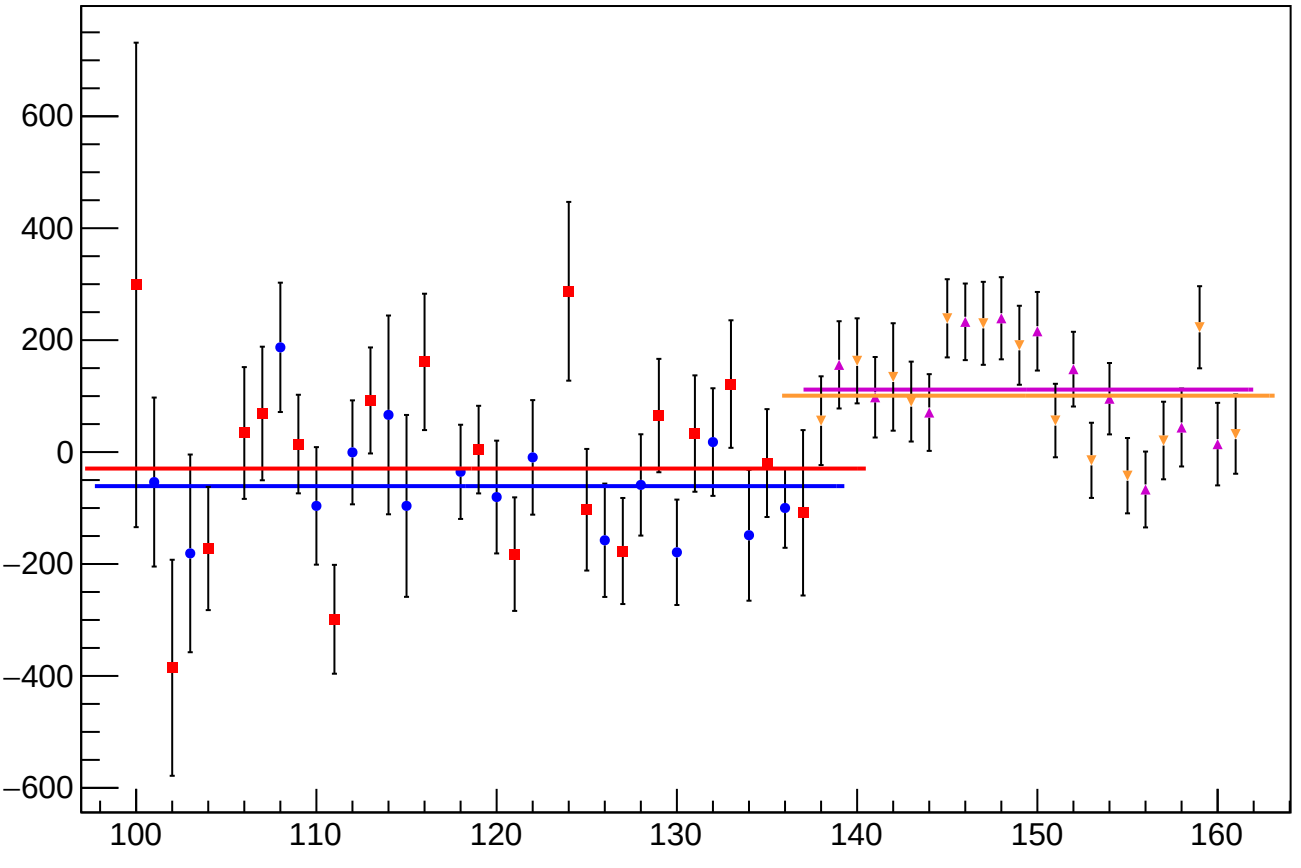
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:490193.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:976350.9/10
Left: 0.000+/-0.000 χ²/NDF: 1466761.8/23
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4246168.7/26
Out: 0.000+/-0.000 χ²/NDF:2763286.7/31
All: 0.000+/-0.000 χ²/NDF: 7143520.0/58



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 111.644+/-21.079 χ^2/NDF:19.1/10

Left: 105.934+/-14.521 χ^2/NDF: 41.9/23

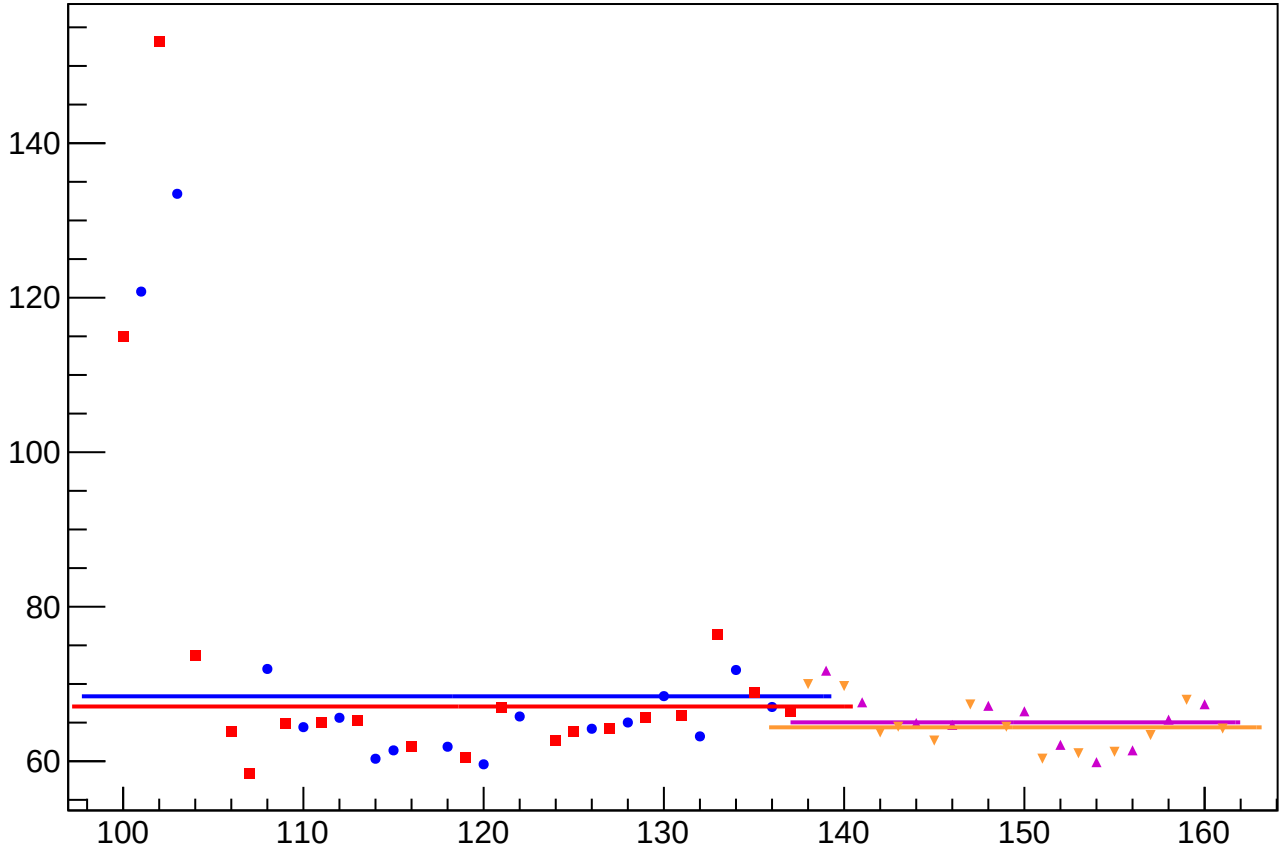
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 43.405+/-16.387 χ^2/NDF:56.1/26

Out: 50.117+/-15.658 χ^2/NDF:70.3/31

All: 46.914+/-11.321 χ^2/NDF: 126.5/58

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

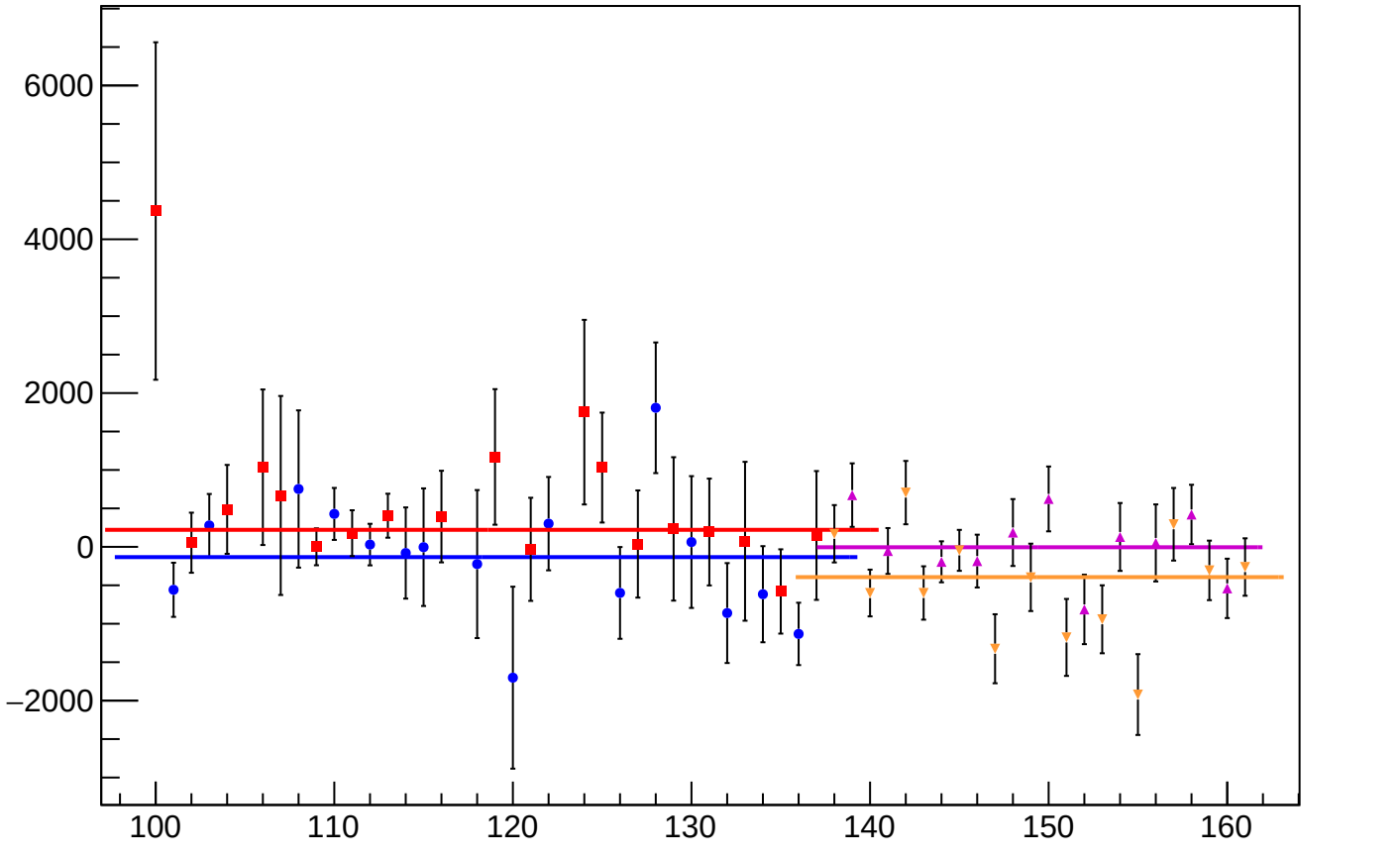
Left: 64.694+/-0.010 χ^2/NDF: 92061.7/23

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.366+/-0.012 χ^2/NDF:634338.2/26

Out: 65.438+/-0.011 χ^2/NDF:542442.5/31

All: 65.881+/-0.008 χ^2/NDF: 1180138.6/58



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.694+/-106.872 χ^2/NDF:31.0/12

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -5.262+/-113.253 χ^2/NDF:12.3/10

Left: -210.729+/-77.728 χ^2/NDF: 49.6/23

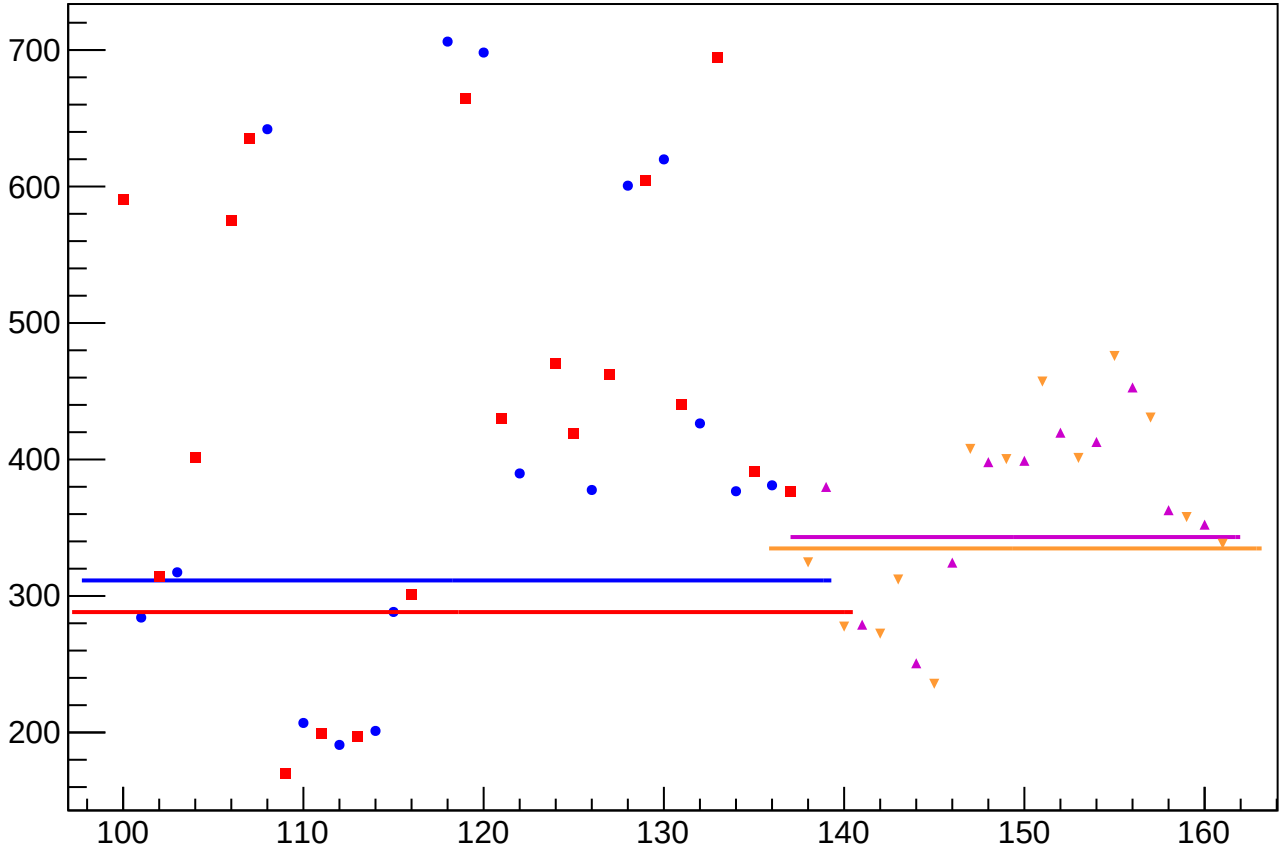
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -62.657+/-84.200 χ^2/NDF:35.4/26

Out: -115.985+/-79.147 χ^2/NDF:58.5/31

All: -90.969+/-57.669 χ^2/NDF: 94.1/58

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.833+/-0.076 χ^2/NDF:900027.9/12

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 343.176+/-0.080 χ^2/NDF:630947.3/10

Left: 338.763+/-0.055 χ^2/NDF: 1536716.4/23

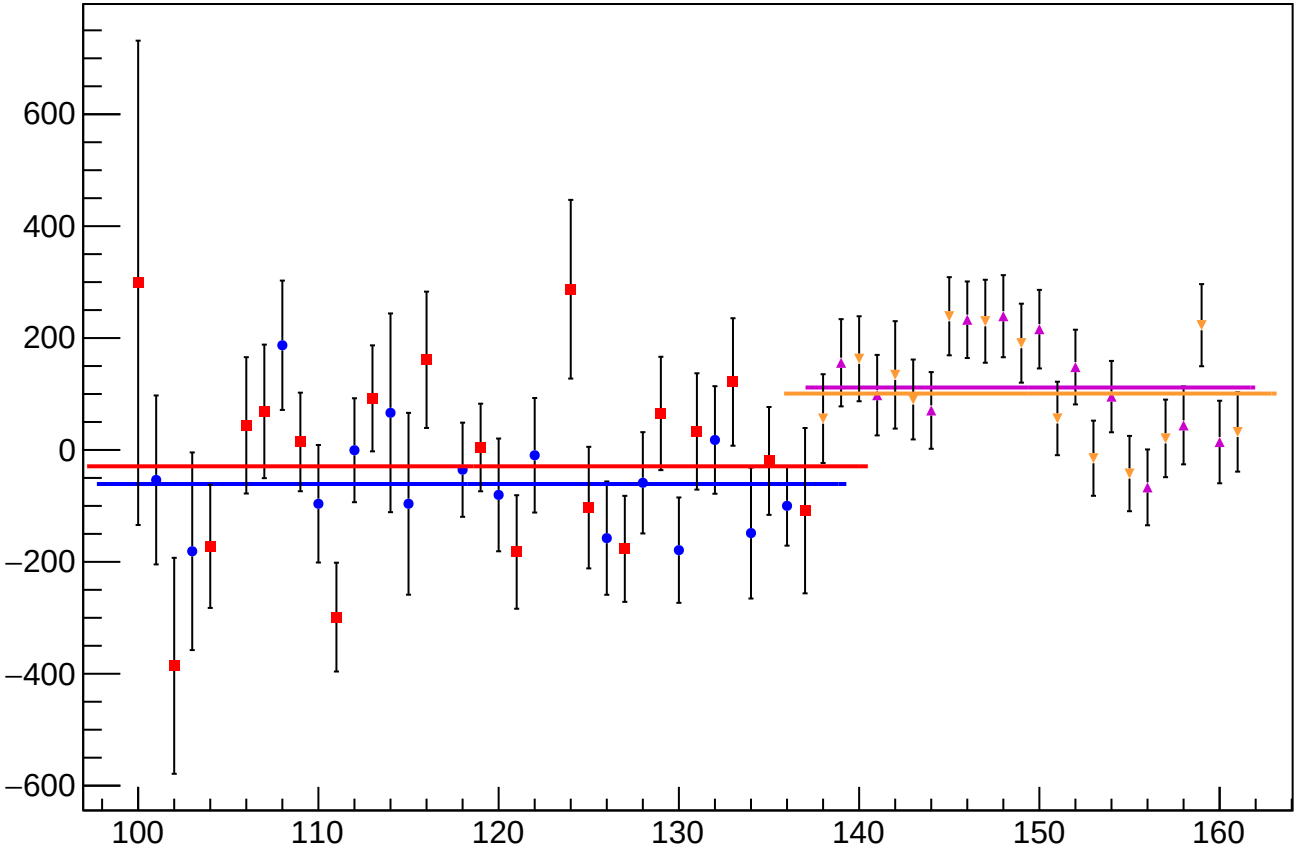
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 328.958+/-0.060 χ^2/NDF:2825224.5/26

Out: 313.778+/-0.056 χ^2/NDF:3787321.4/31

All: 320.899+/-0.041 χ^2/NDF: 6647056.5/58

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 111.644+/-21.079 χ^2/NDF:19.1/10

Left: 105.934+/-14.521 χ^2/NDF: 41.9/23

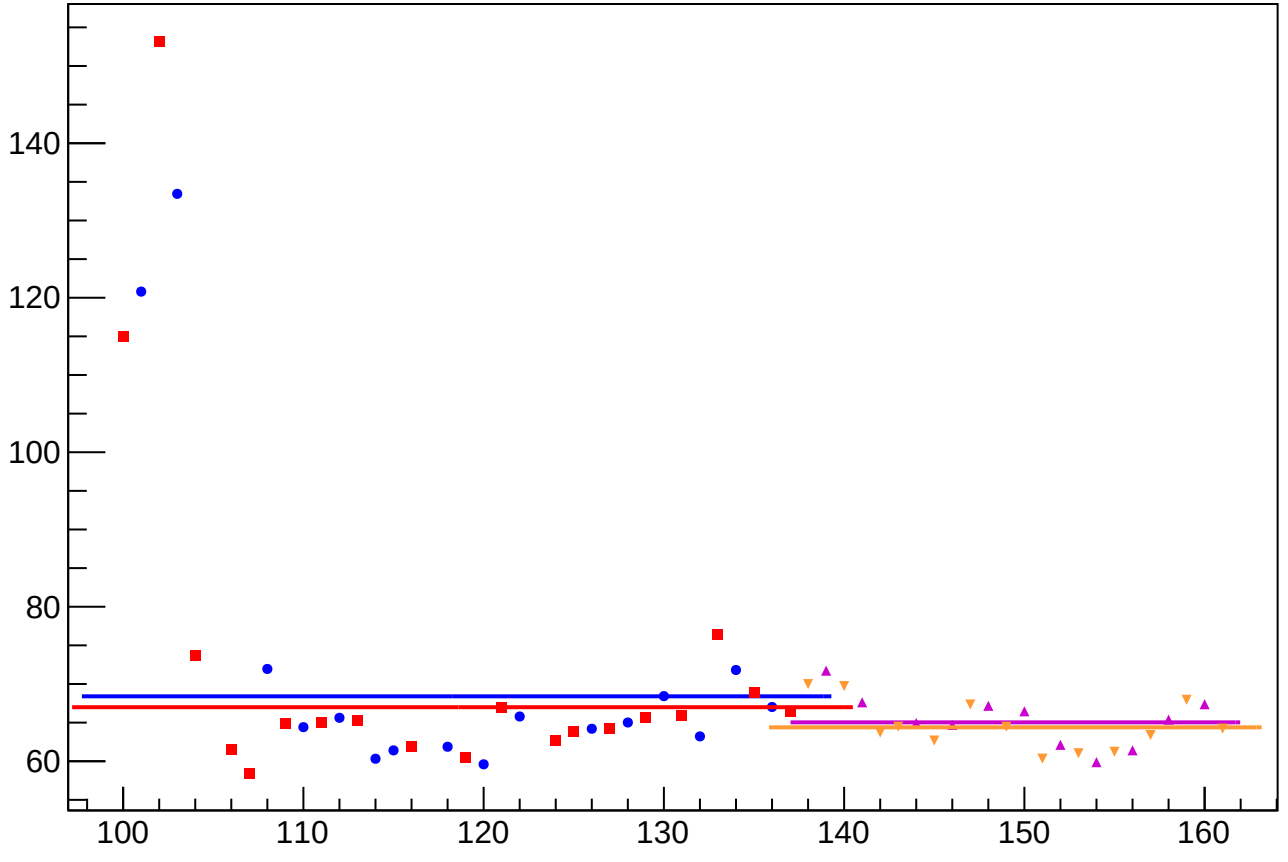
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 43.404+/-16.387 χ^2/NDF:56.1/26

Out: 50.300+/-15.667 χ^2/NDF:70.3/31

All: 47.007+/-11.324 χ^2/NDF: 126.5/58

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

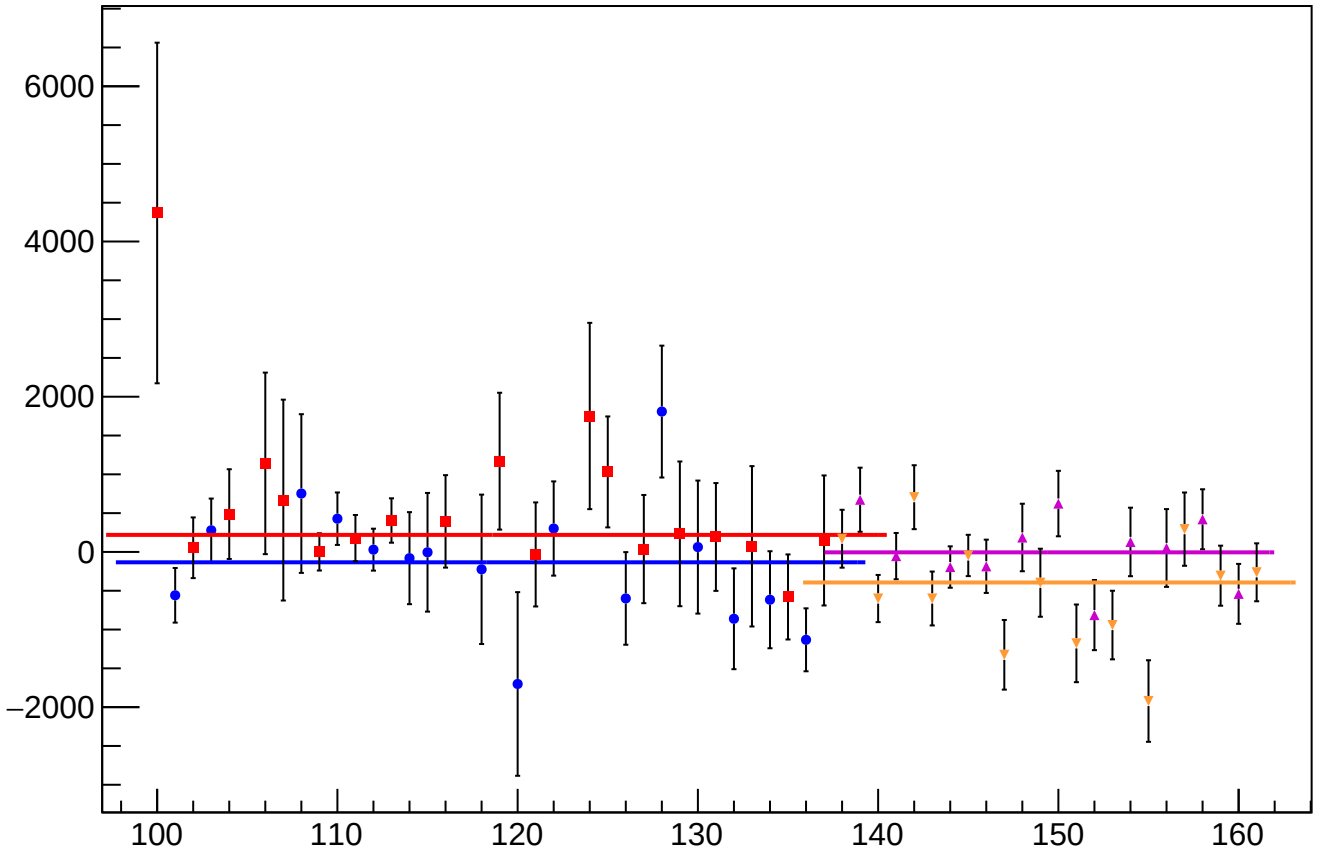
Left: 64.694+/-0.010 χ^2/NDF: 92061.7/23

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.366+/-0.012 χ^2/NDF:634338.6/26

Out: 65.400+/-0.011 χ^2/NDF:544154.1/31

All: 65.862+/-0.008 χ^2/NDF: 1182123.7/58



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.693+/-106.872 χ^2/NDF:31.0/12

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -5.266+/-113.253 χ^2/NDF:12.3/10

Left: -210.731+/-77.728 χ^2/NDF: 49.6/23

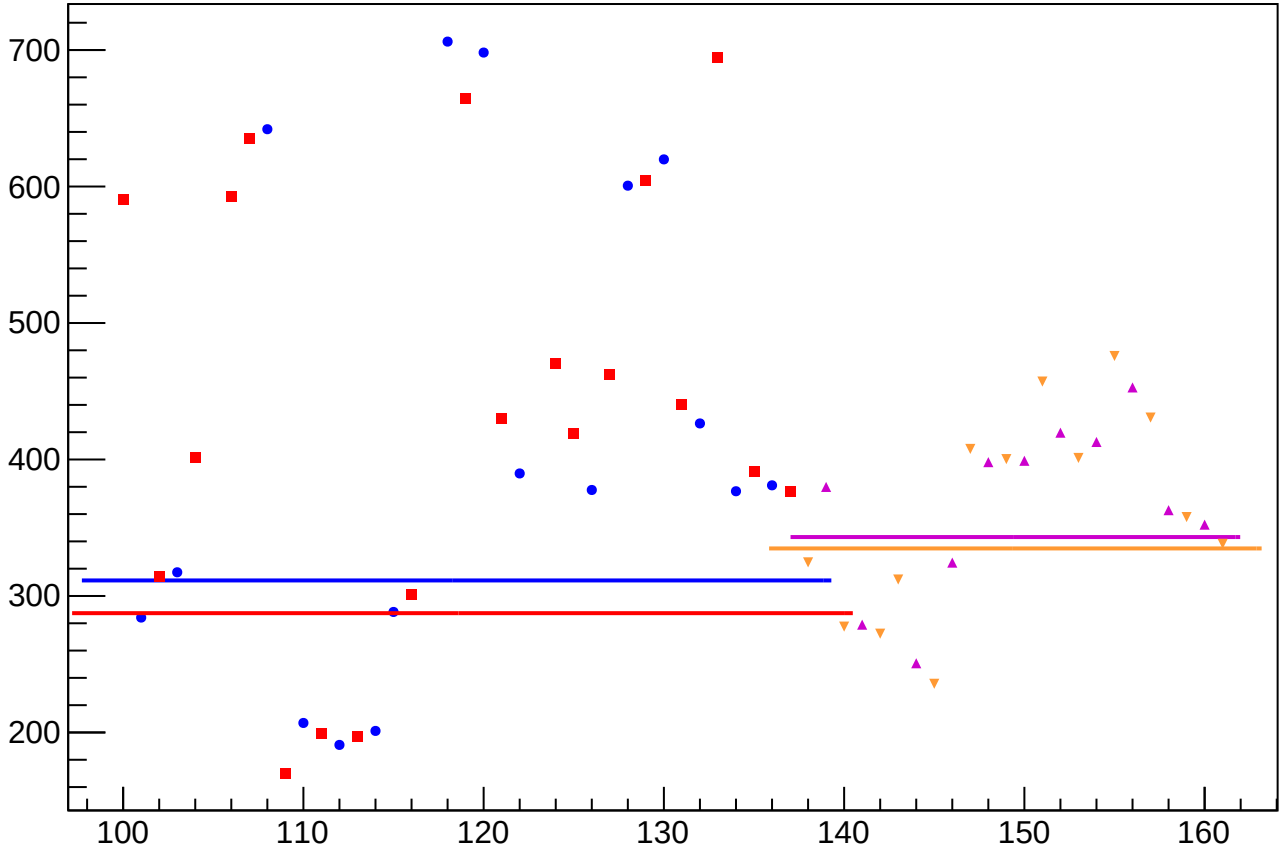
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -62.657+/-84.201 χ^2/NDF:35.4/26

Out: -117.289+/-79.209 χ^2/NDF:58.3/31

All: -91.640+/-57.693 χ^2/NDF: 94.0/58

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.833+/-0.076 χ^2/NDF:900033.2/12

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

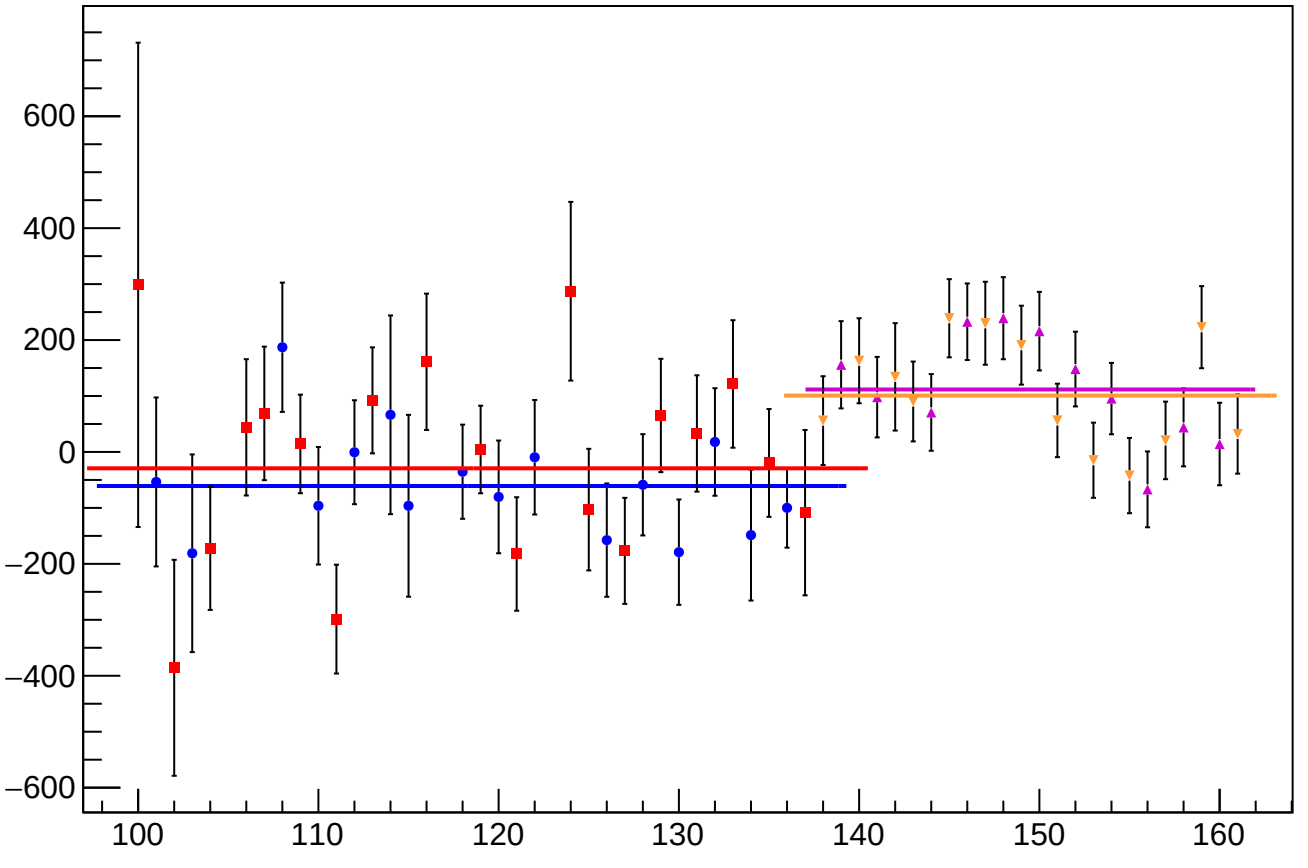
Left: 338.763+/-0.055 χ^2/NDF: 1536719.3/23

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.959+/-0.060 χ^2/NDF:2825214.8/26

Out: 313.462+/-0.056 χ^2/NDF:3767747.9/31

All: 320.738+/-0.041 χ^2/NDF: 6628905.0/58



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 111.644+/-21.079 χ^2/NDF:19.1/10

Left: 105.934+/-14.521 χ^2/NDF: 41.9/23

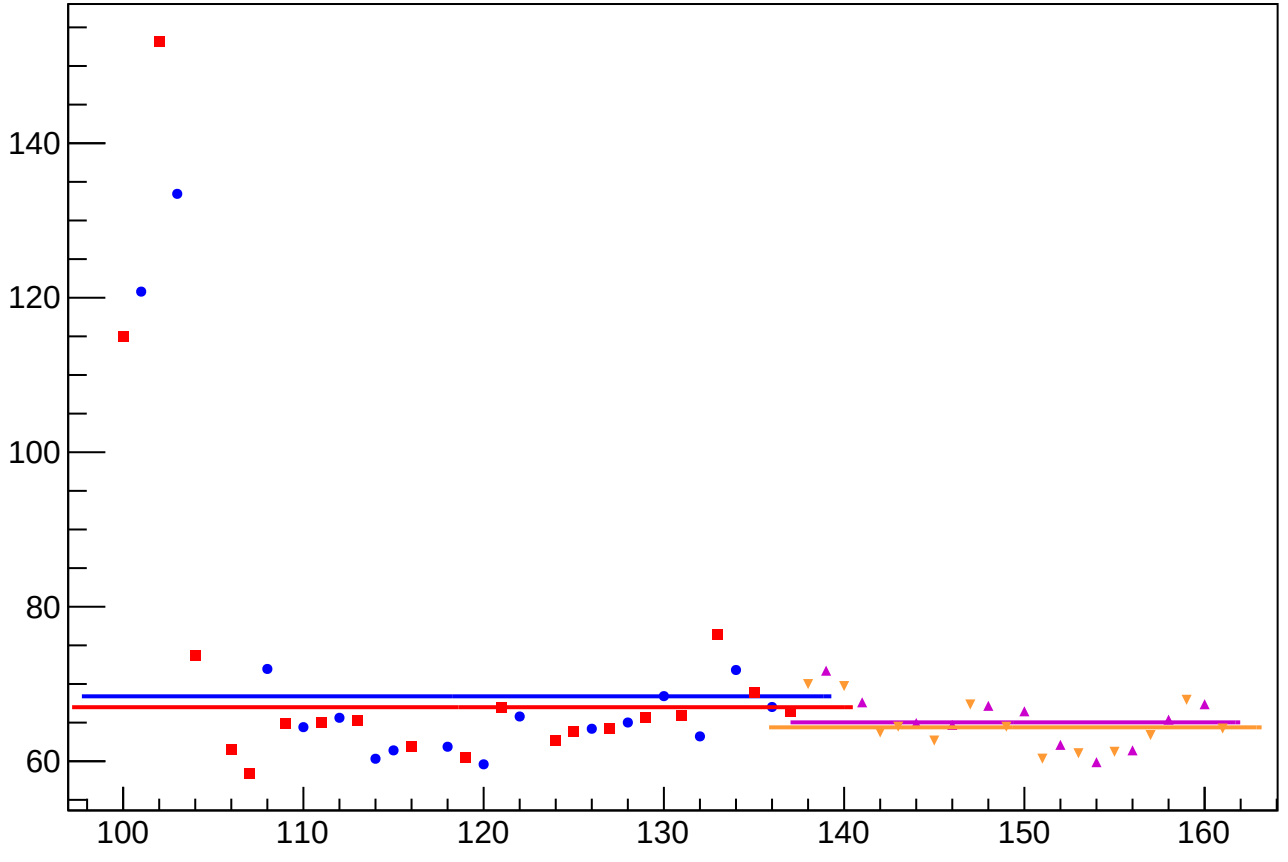
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 43.404+/-16.387 χ^2/NDF:56.1/26

Out: 50.300+/-15.667 χ^2/NDF:70.3/31

All: 47.007+/-11.324 χ^2/NDF: 126.5/58

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

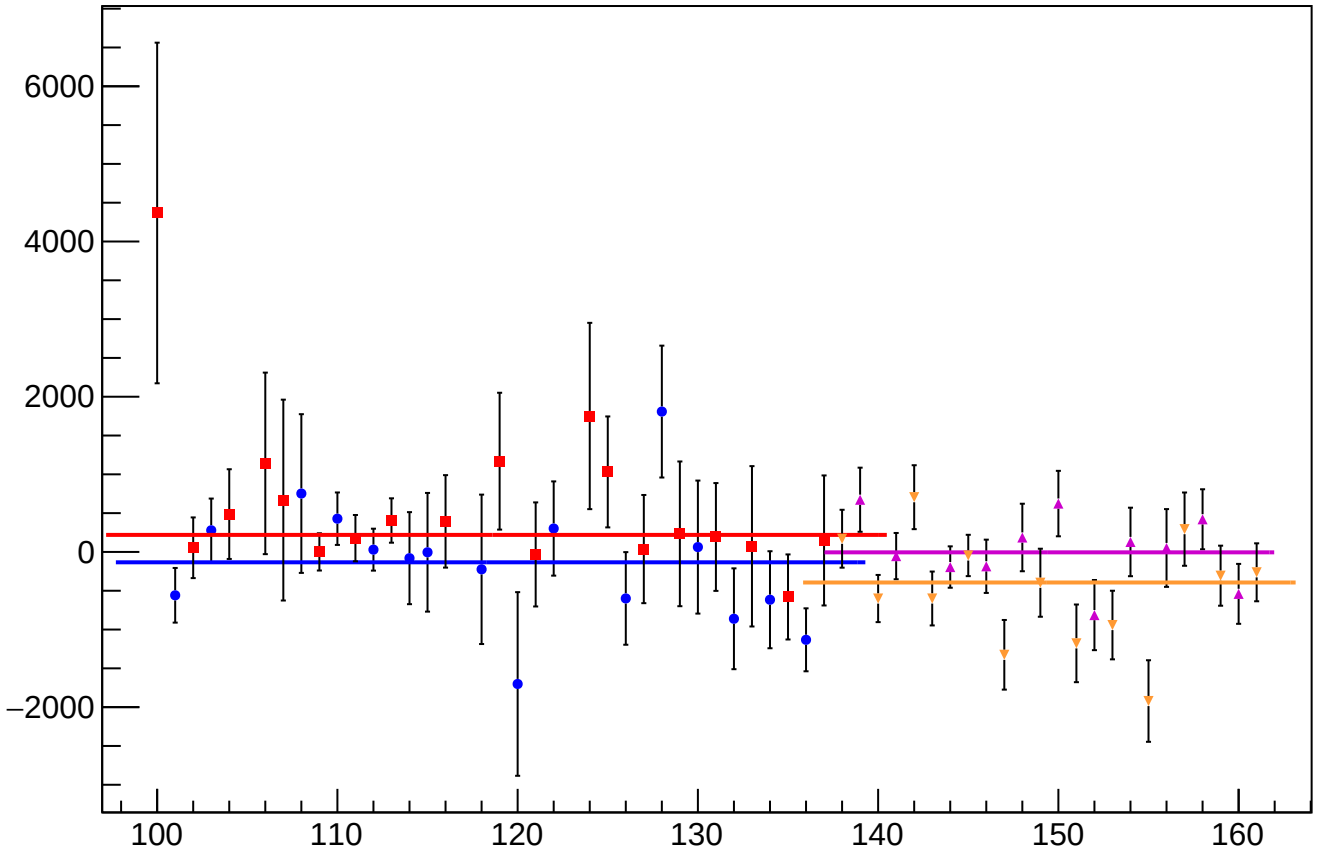
Left: 64.694+/-0.010 χ^2/NDF: 92061.7/23

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.366+/-0.012 χ^2/NDF:634338.6/26

Out: 65.400+/-0.011 χ^2/NDF:544154.1/31

All: 65.862+/-0.008 χ^2/NDF: 1182123.7/58



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.693+/-106.872 χ^2/NDF:31.0/12

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -5.266+/-113.253 χ^2/NDF:12.3/10

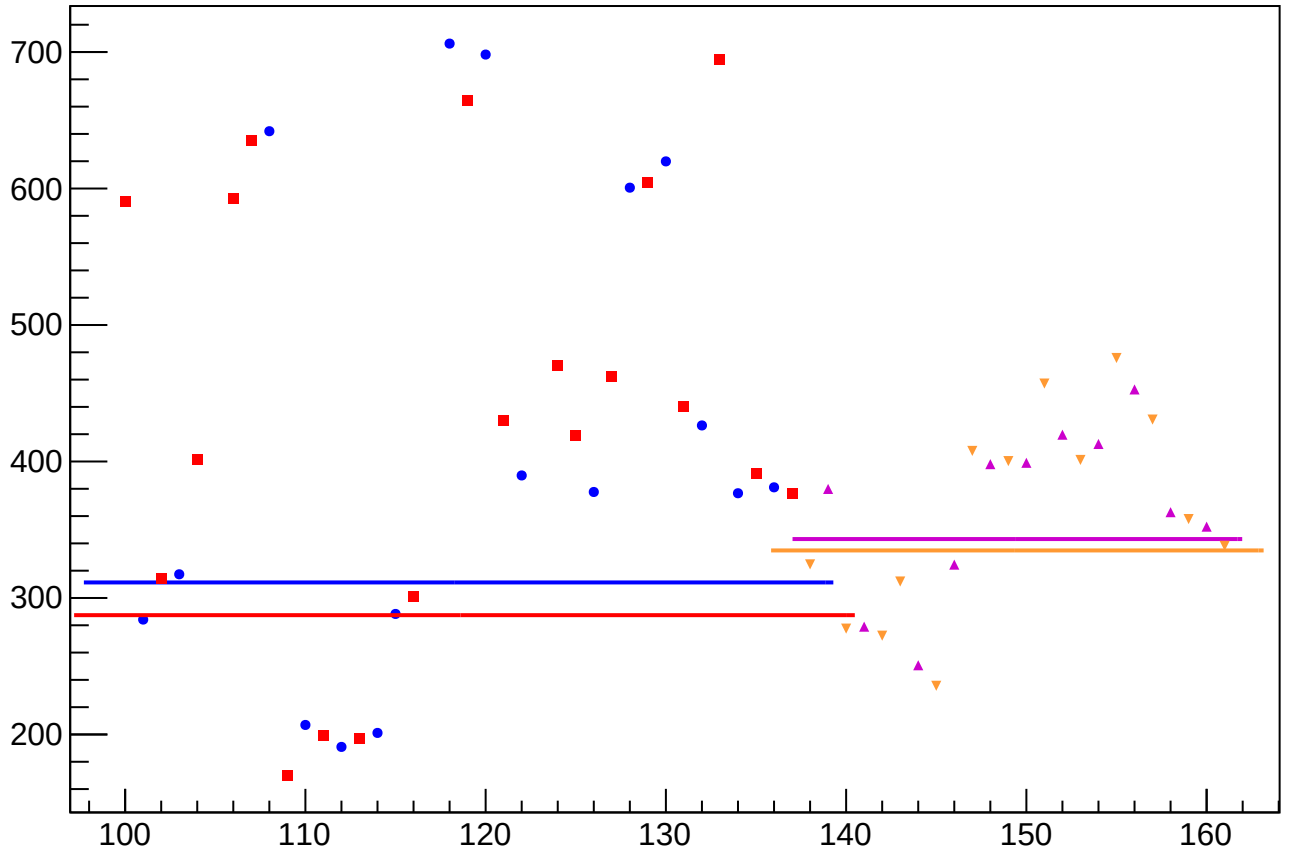
Left: -210.731+/-77.728 χ^2/NDF: 49.6/23

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -62.657+/-84.201 χ^2/NDF:35.4/26

Out: -117.289+/-79.209 χ^2/NDF:58.3/31

All: -91.640+/-57.693 χ^2/NDF: 94.0/58



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.833+/-0.076 χ^2/NDF:900033.2/12

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

Left: 338.763+/-0.055 χ^2/NDF: 1536719.3/23

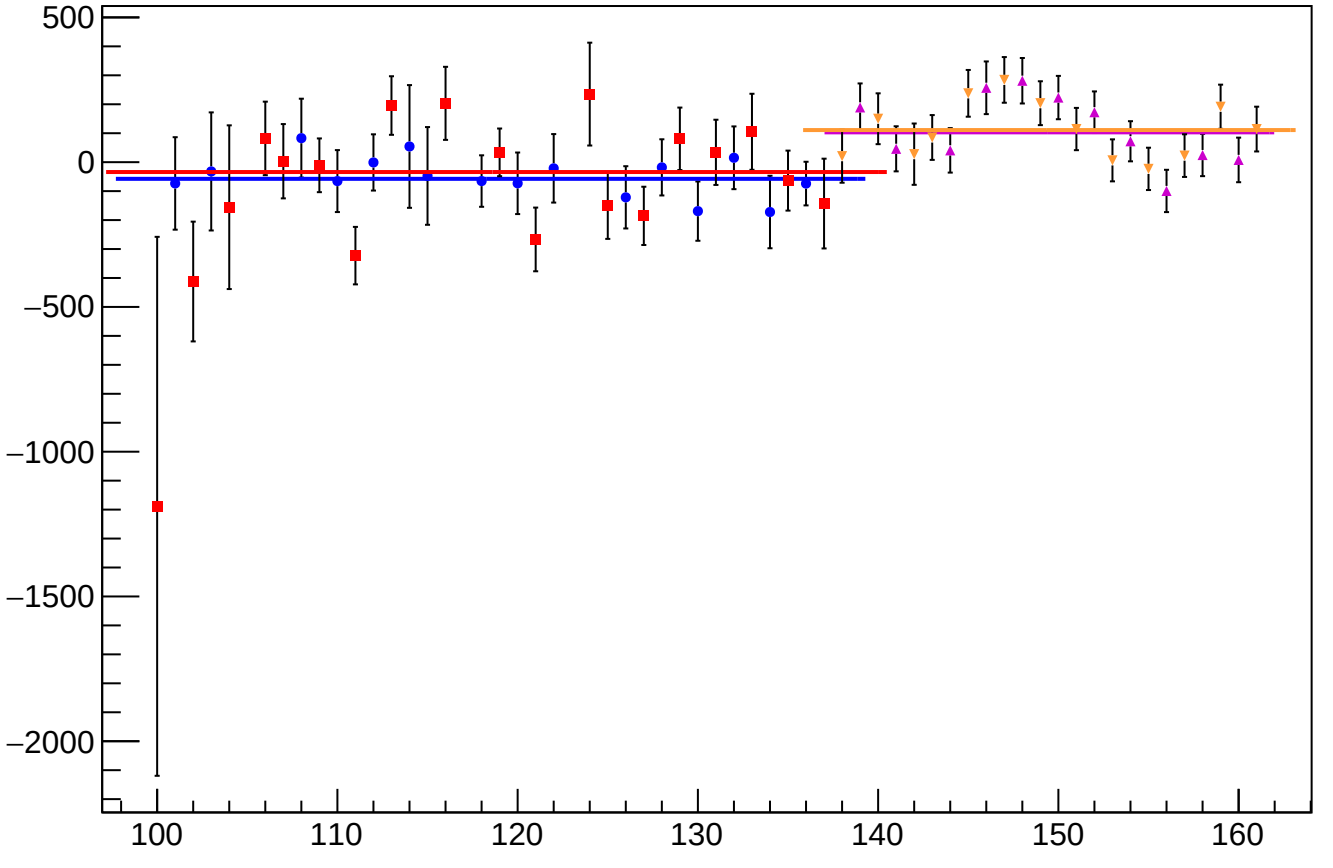
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 328.959+/-0.060 χ^2/NDF:2825214.8/26

Out: 313.462+/-0.056 χ^2/NDF:3767747.9/31

All: 320.738+/-0.041 χ^2/NDF: 6628905.0/58

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.877+/-21.920 χ^2/NDF:18.7/12

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.993+/-23.019 χ^2/NDF:24.4/10

Left: 107.127+/-15.874 χ^2/NDF: 43.1/23

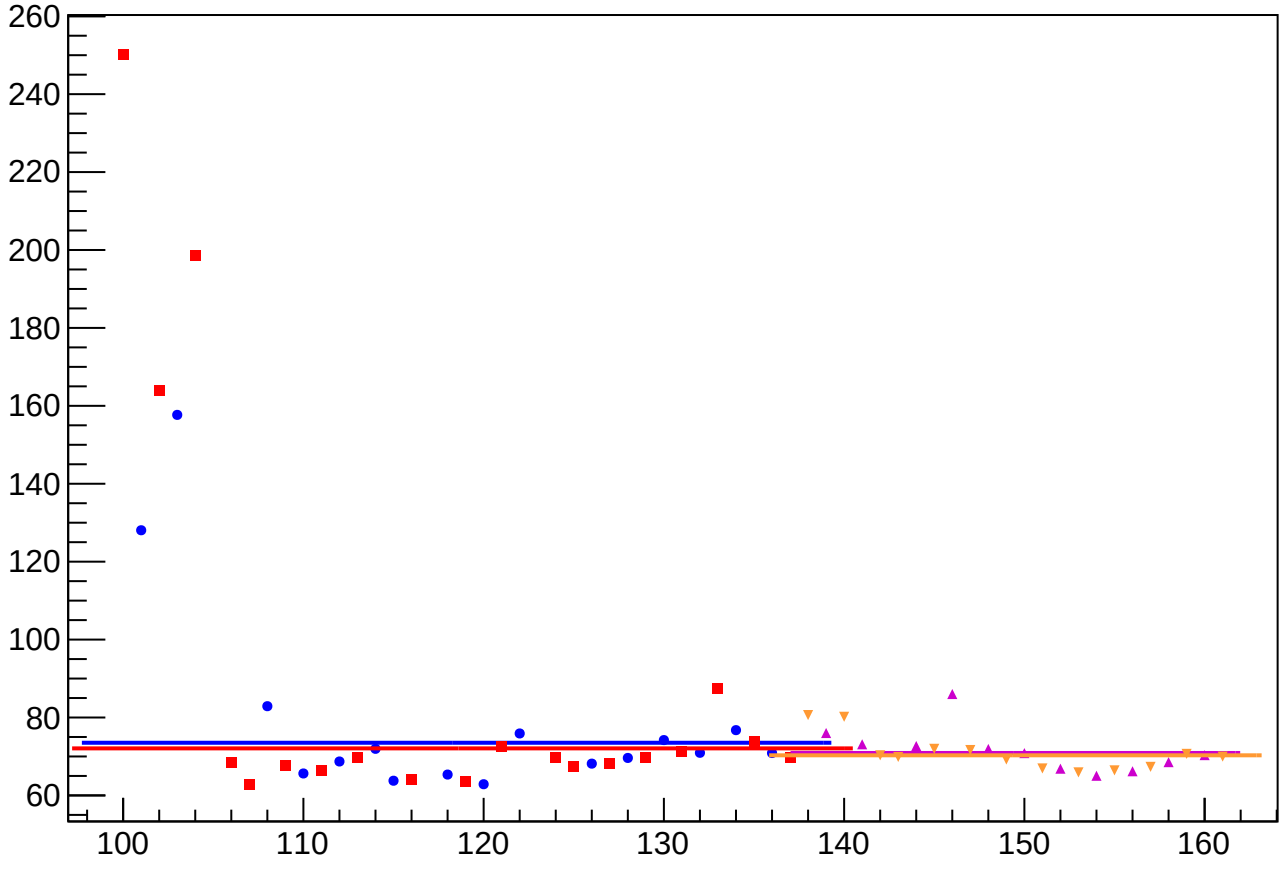
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.494+/-17.804 χ^2/NDF:48.8/26

Out: 54.322+/-17.116 χ^2/NDF:72.9/31

All: 46.720+/-12.339 χ^2/NDF: 122.1/58

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.297+/-0.015 χ^2/NDF:73096.5/12

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.896+/-0.016 χ^2/NDF:97040.2/10

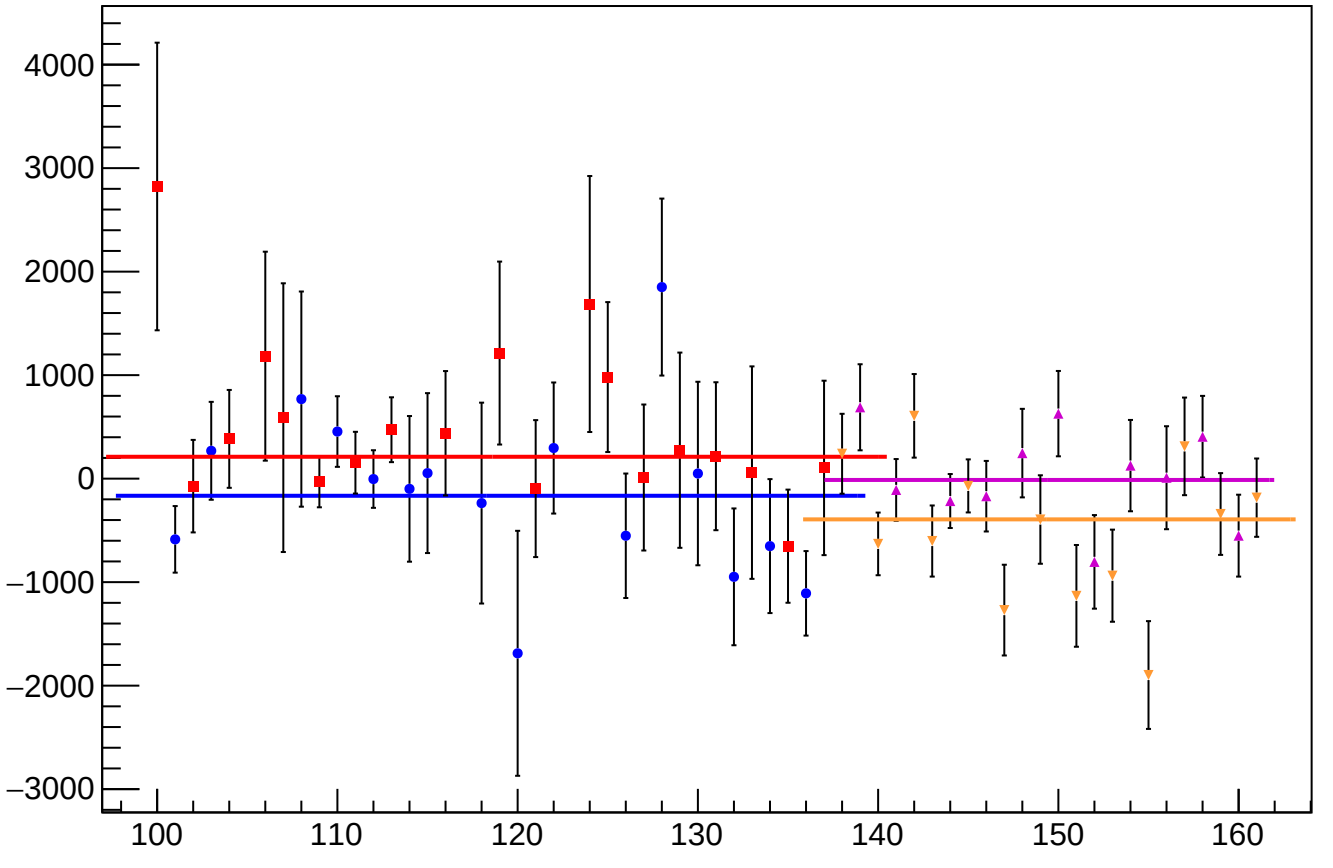
Left: 70.582+/-0.011 χ^2/NDF: 170847.5/23

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.950+/-0.013 χ^2/NDF:764321.7/26

Out: 70.990+/-0.012 χ^2/NDF:1036721.9/31

All: 71.451+/-0.009 χ^2/NDF: 1804062.7/58



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -393.538+/-106.064 χ^2/NDF:30.1/12

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -12.729+/-112.811 χ^2/NDF:12.7/10

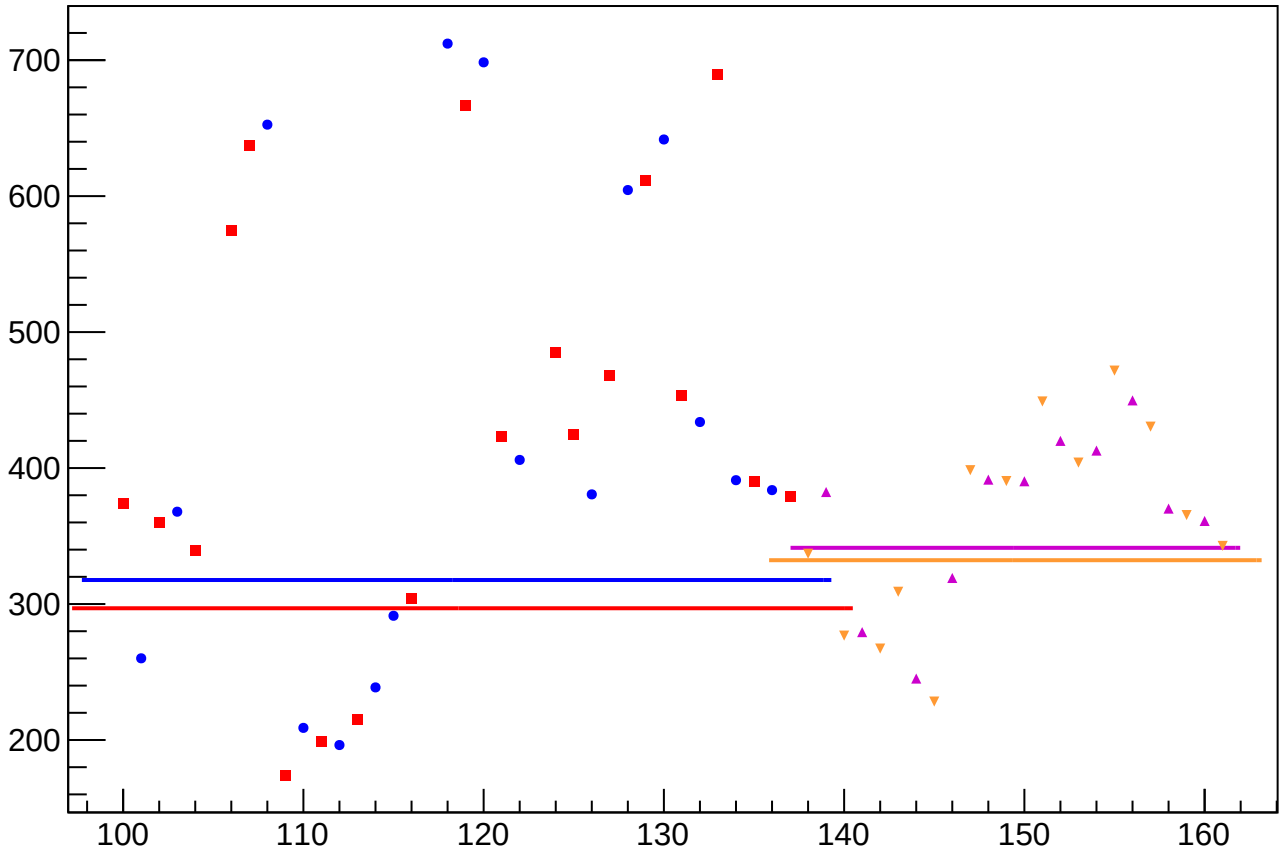
Left: -214.861+/-77.274 χ^2/NDF: 48.8/23

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -79.260+/-84.759 χ^2/NDF:36.1/26

Out: -128.545+/-79.506 χ^2/NDF:57.9/31

All: -105.477+/-57.987 χ^2/NDF: 94.2/58



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 332.230+/-0.075 χ^2/NDF:950814.6/12

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 341.337+/-0.080 χ^2/NDF:665811.0/10

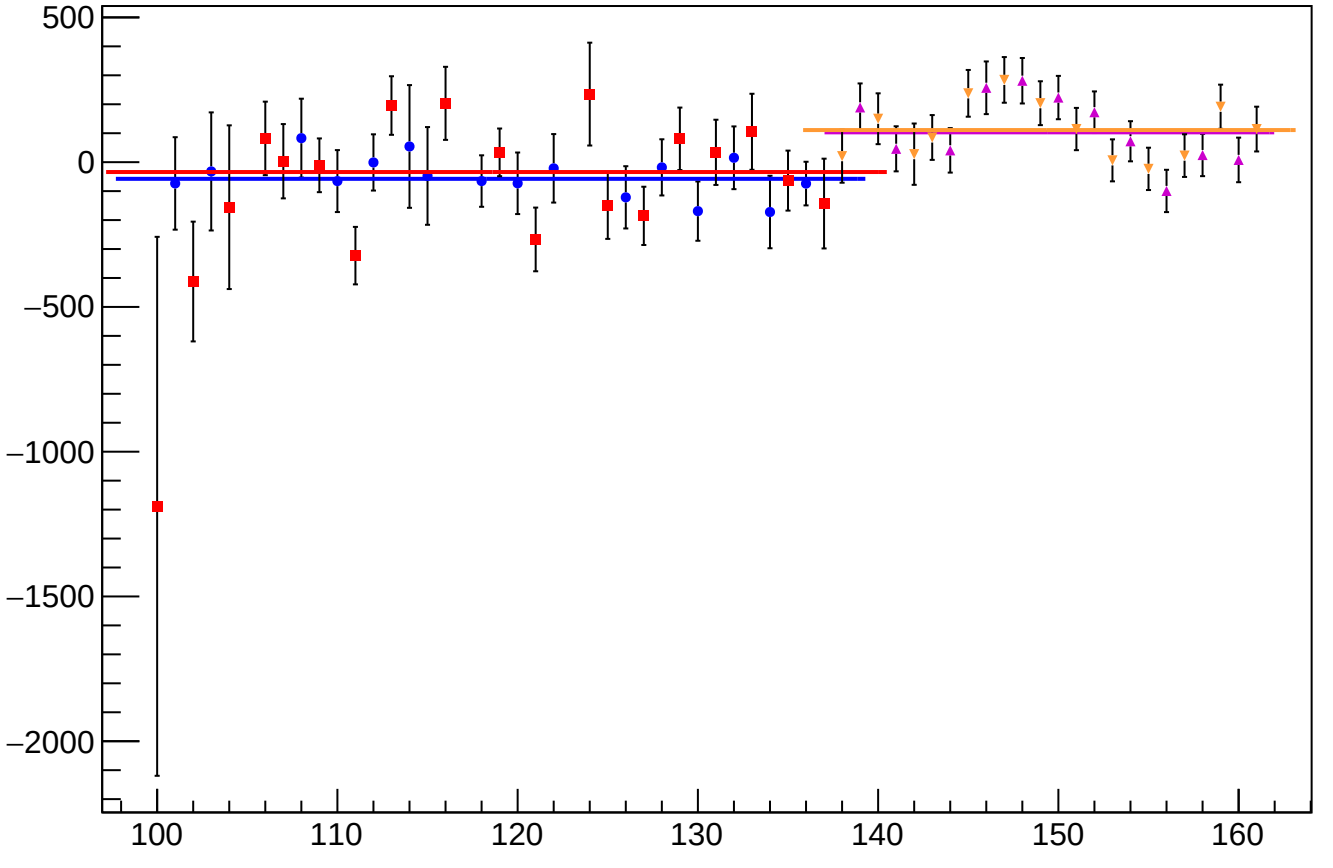
Left: 336.503+/-0.055 χ^2/NDF: 1623543.5/23

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 331.027+/-0.060 χ^2/NDF:2840358.3/26

Out: 316.747+/-0.056 χ^2/NDF:3589138.1/31

All: 323.431+/-0.041 χ^2/NDF: 6459695.4/58



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.877+/-21.920 χ^2/NDF:18.7/12

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.992+/-23.019 χ^2/NDF:24.4/10

Left: 107.127+/-15.874 χ^2/NDF: 43.1/23

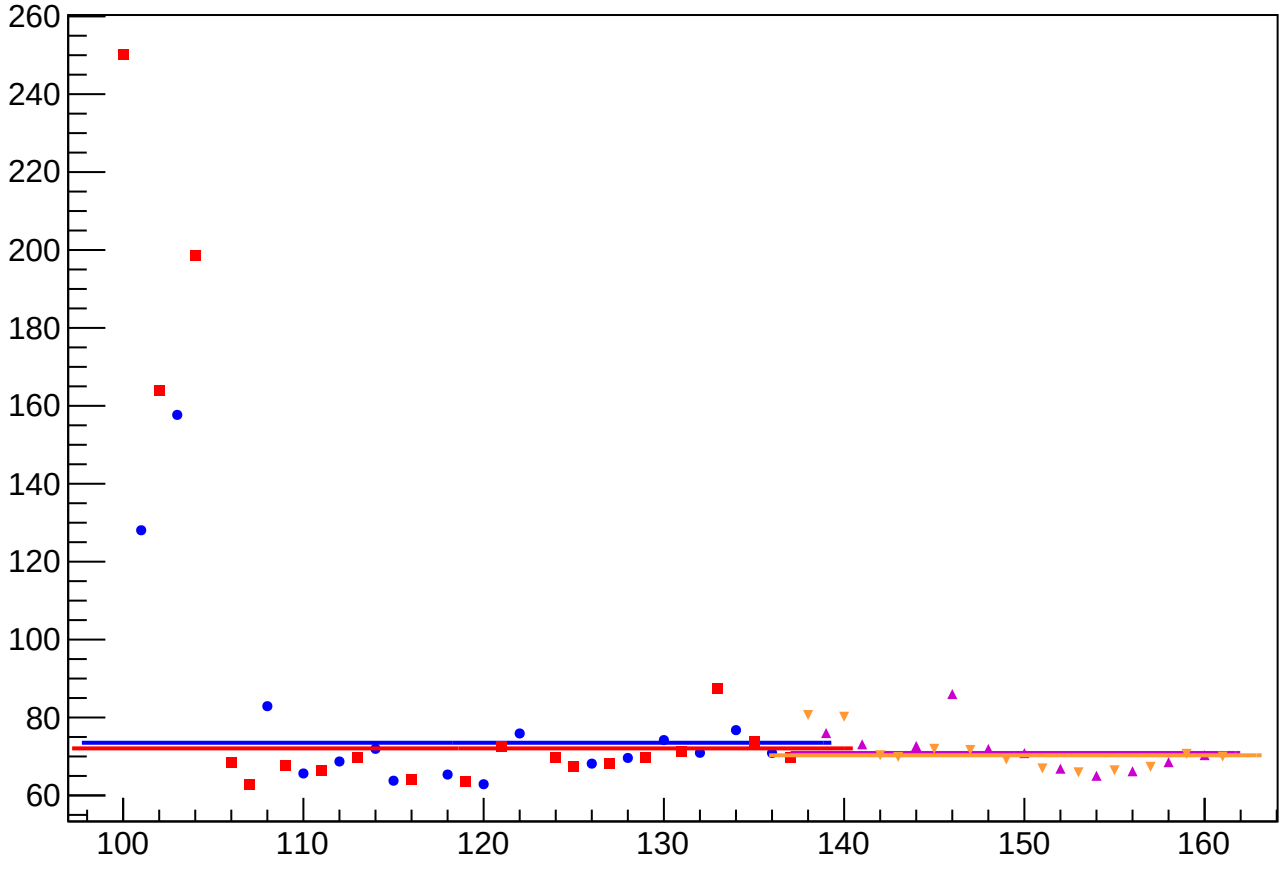
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.494+/-17.804 χ^2/NDF:48.8/26

Out: 54.322+/-17.116 χ^2/NDF:72.9/31

All: 46.719+/-12.339 χ^2/NDF: 122.1/58

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.297+/-0.015 χ^2/NDF:73096.1/12

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.896+/-0.016 χ^2/NDF:97040.8/10

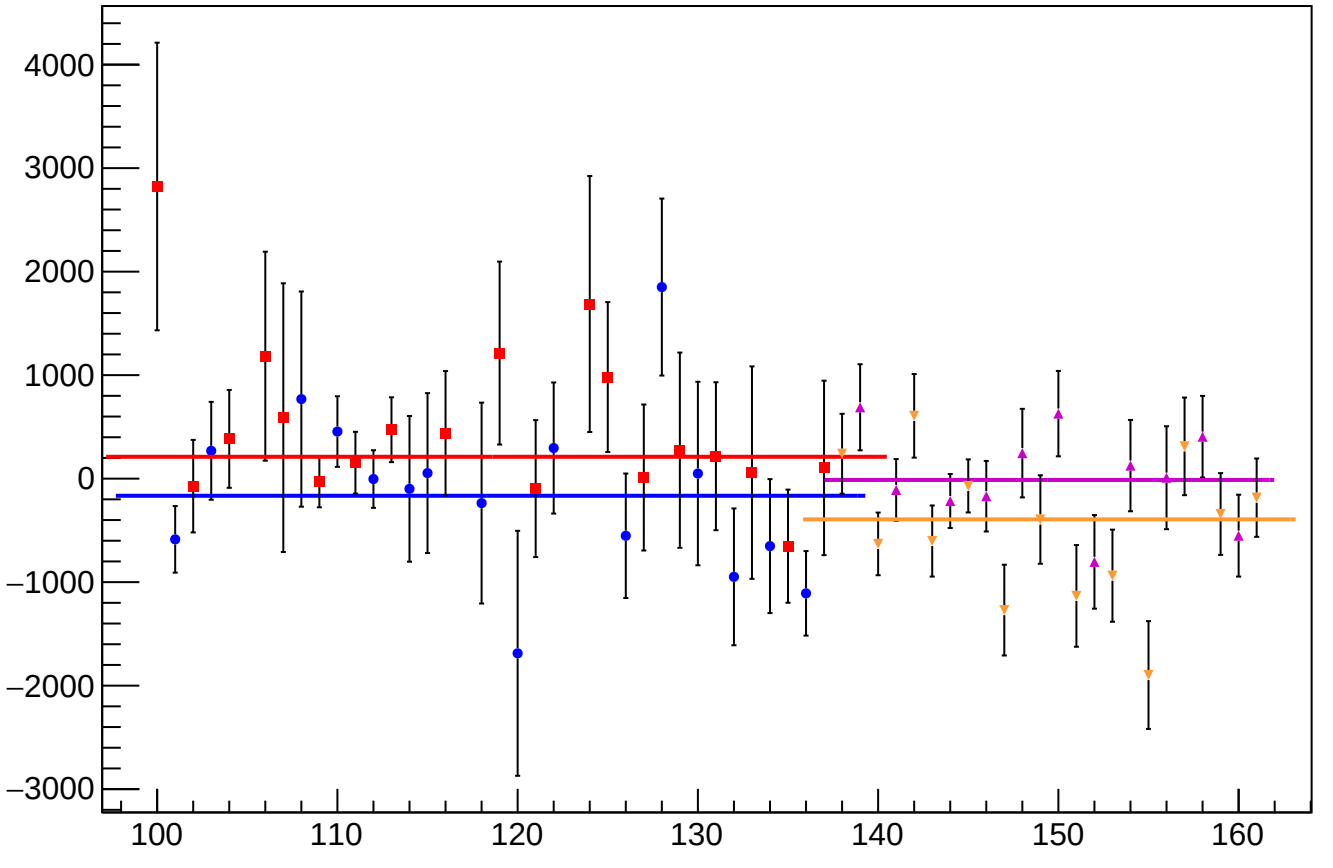
Left: 70.582+/-0.011 χ^2/NDF: 170847.6/23

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.950+/-0.013 χ^2/NDF:764322.9/26

Out: 70.990+/-0.012 χ^2/NDF:1036722.1/31

All: 71.451+/-0.009 χ^2/NDF: 1804064.0/58



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -393.538+/-106.064 χ^2/NDF:30.1/12

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -12.729+/-112.811 χ^2/NDF:12.7/10

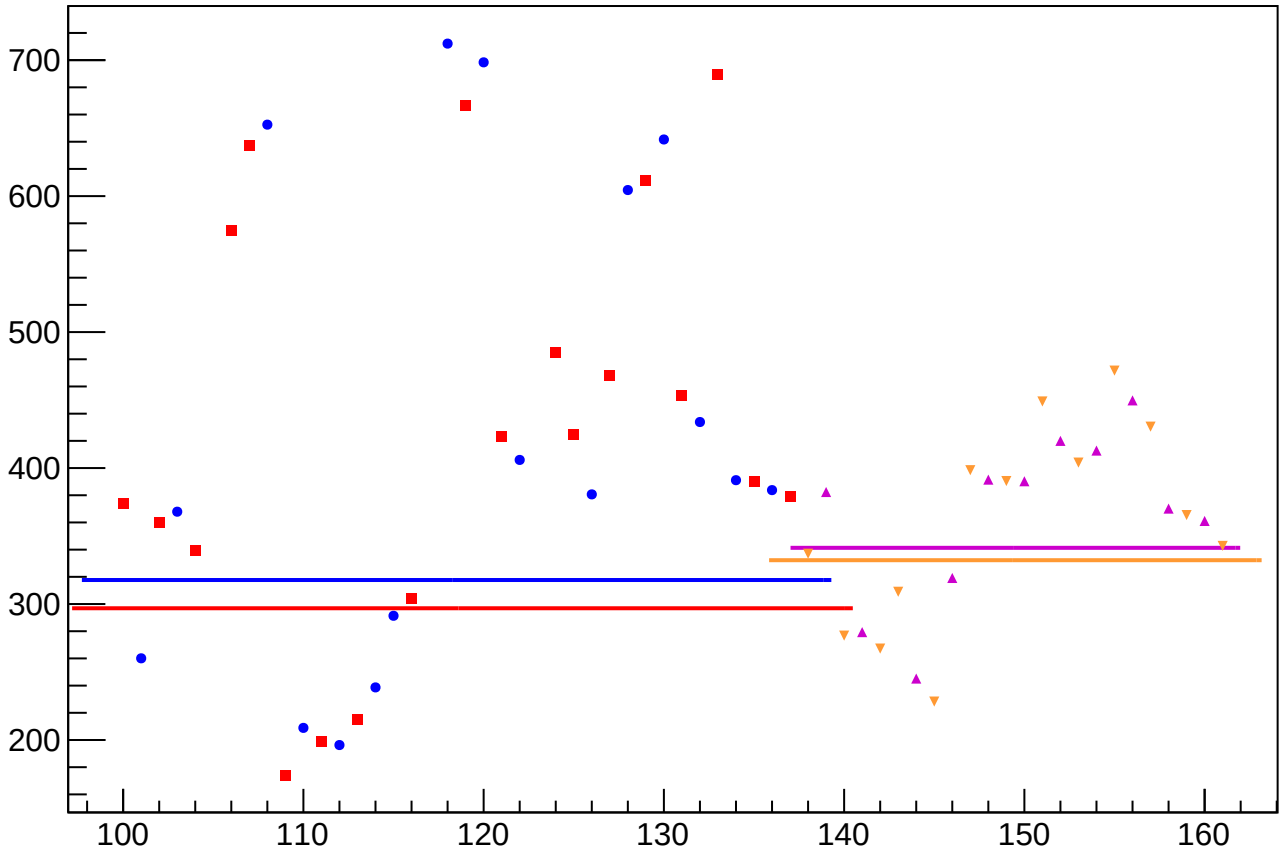
Left: -214.861+/-77.274 χ^2/NDF: 48.8/23

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -79.260+/-84.758 χ^2/NDF:36.1/26

Out: -128.544+/-79.506 χ^2/NDF:57.9/31

All: -105.476+/-57.987 χ^2/NDF: 94.2/58



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 332.230+/-0.075 χ^2/NDF:950825.8/12

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 341.337+/-0.080 χ^2/NDF:665817.0/10

Left: 336.503+/-0.055 χ^2/NDF: 1623561.1/23

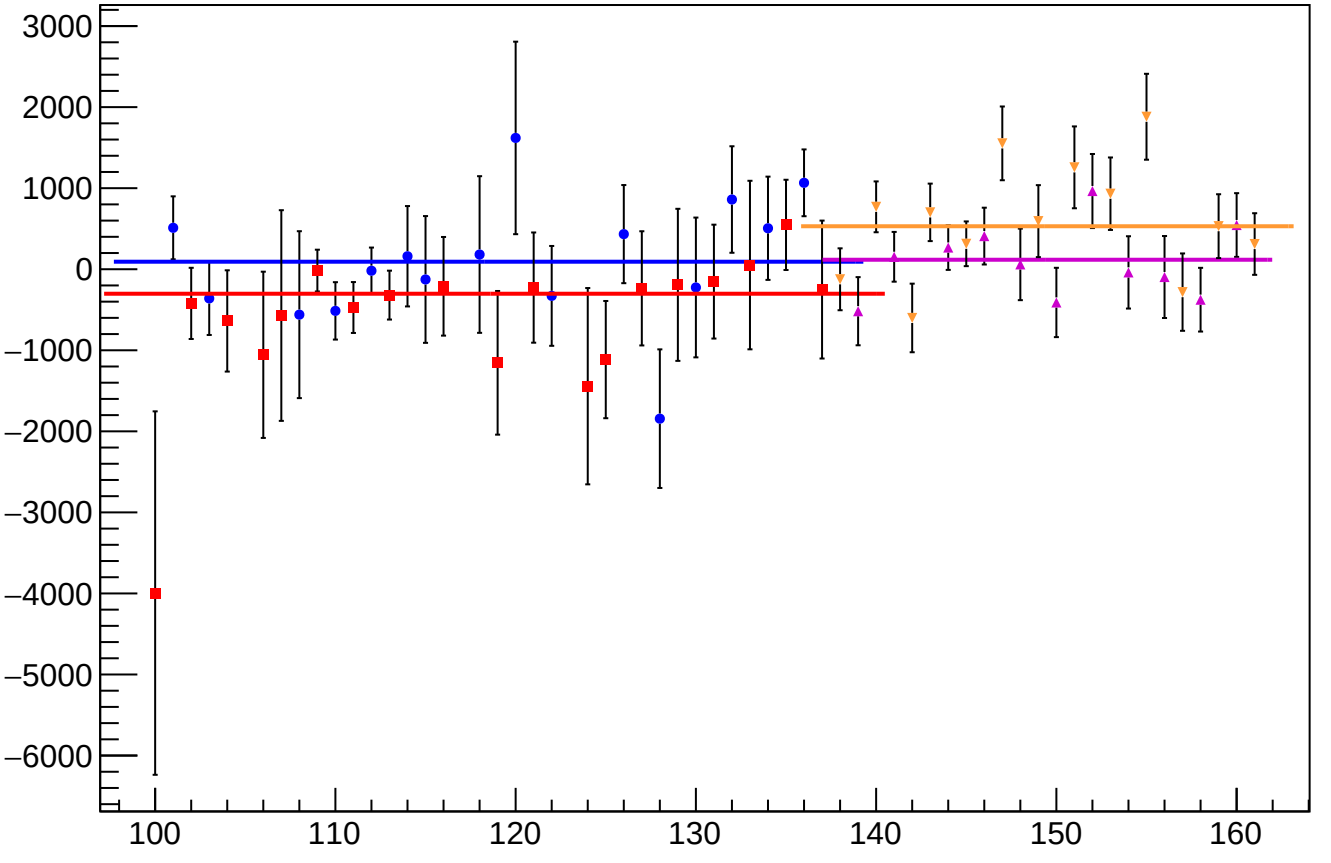
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 331.026+/-0.060 χ^2/NDF:2840403.5/26

Out: 316.746+/-0.056 χ^2/NDF:3589166.8/31

All: 323.430+/-0.041 χ^2/NDF: 6459768.2/58

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 530.307+/-109.209 χ^2/NDF:29.2/12

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 117.067+/-115.603 χ^2/NDF:11.3/10

Left: 335.432+/-79.387 χ^2/NDF: 47.3/23

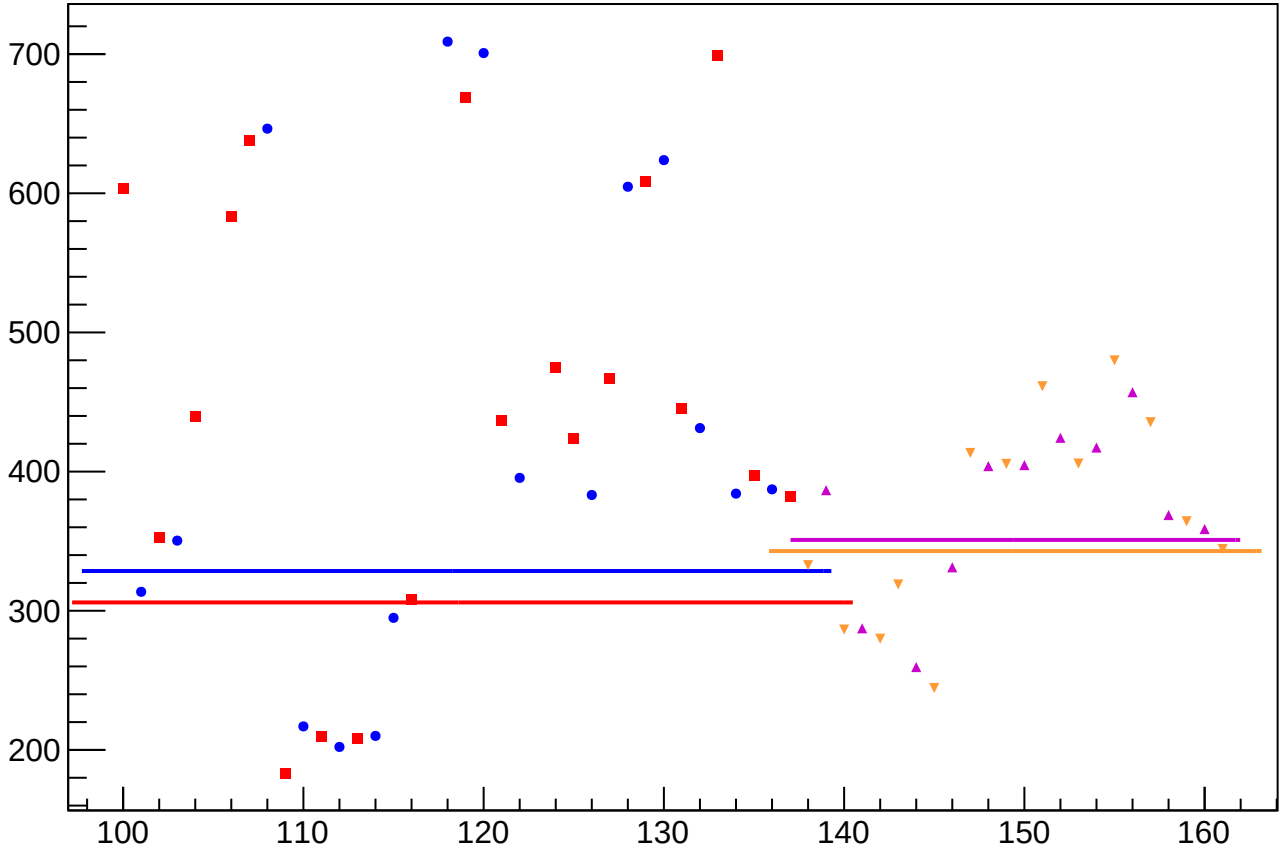
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 106.528+/-86.946 χ^2/NDF:32.2/26

Out: 166.336+/-81.931 χ^2/NDF:65.4/31

All: 138.207+/-59.628 χ^2/NDF: 97.8/58

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 342.910+/-0.077 χ^2/NDF:826385.7/12

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.902+/-0.082 χ^2/NDF:575276.7/10

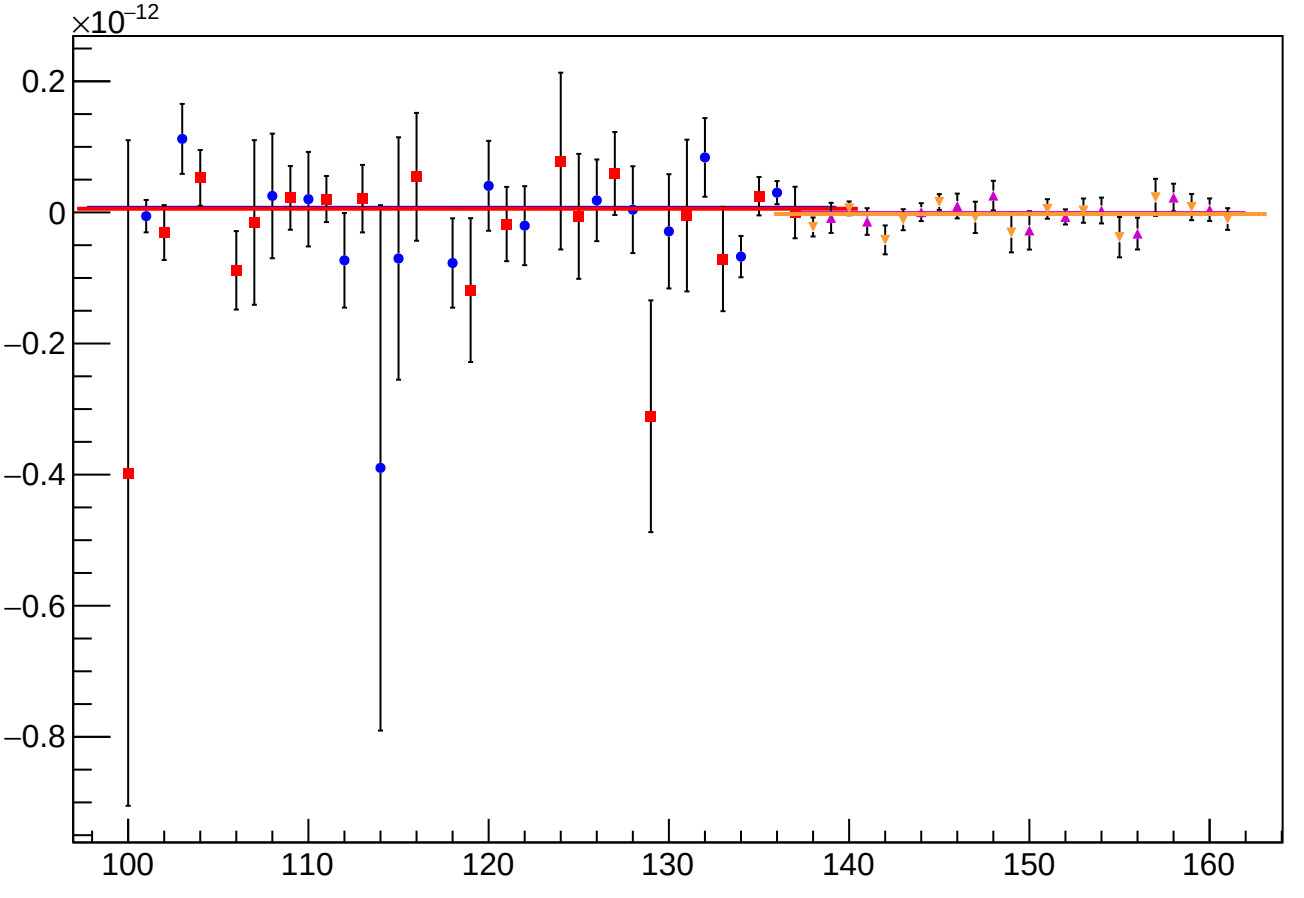
Left: 346.679+/-0.056 χ^2/NDF: 1406713.8/23

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 341.201+/-0.061 χ^2/NDF:2566577.0/26

Out: 326.769+/-0.058 χ^2/NDF:3453783.0/31

All: 333.557+/-0.042 χ^2/NDF: 6049546.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

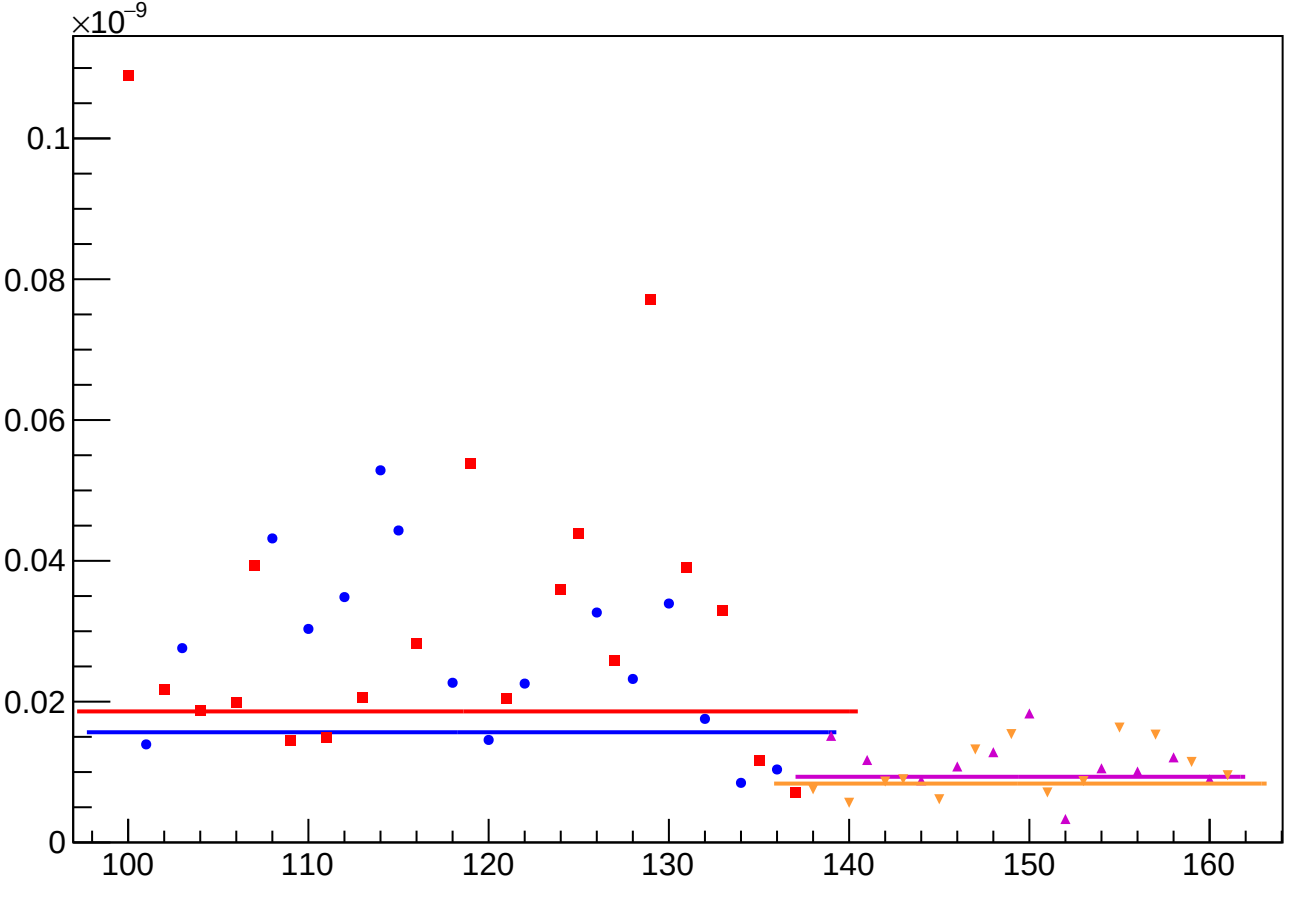
Left: -0.000+/-0.000 χ^2/NDF: 18.7/23

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.5/26

Out: -0.000+/-0.000 χ^2/NDF:25.4/31

All: -0.000+/-0.000 χ^2/NDF: 50.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:729291.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:991906.7/10

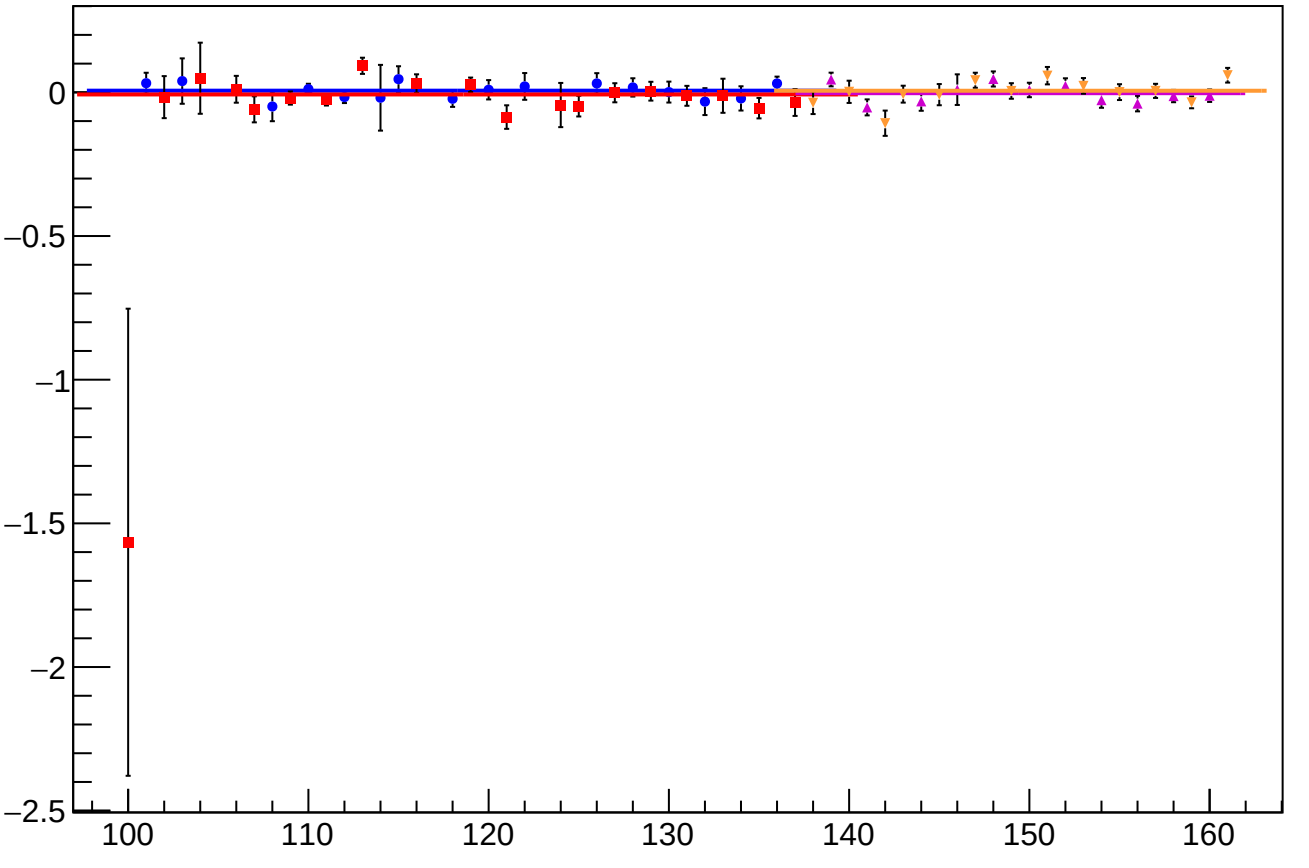
Left: 0.000+/-0.000 χ^2/NDF: 1756855.3/23

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2688993.4/26

Out: 0.000+/-0.000 χ^2/NDF:3082907.2/31

All: 0.000+/-0.000 χ^2/NDF: 5820539.6/58



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.008 χ^2/NDF:15.6/10

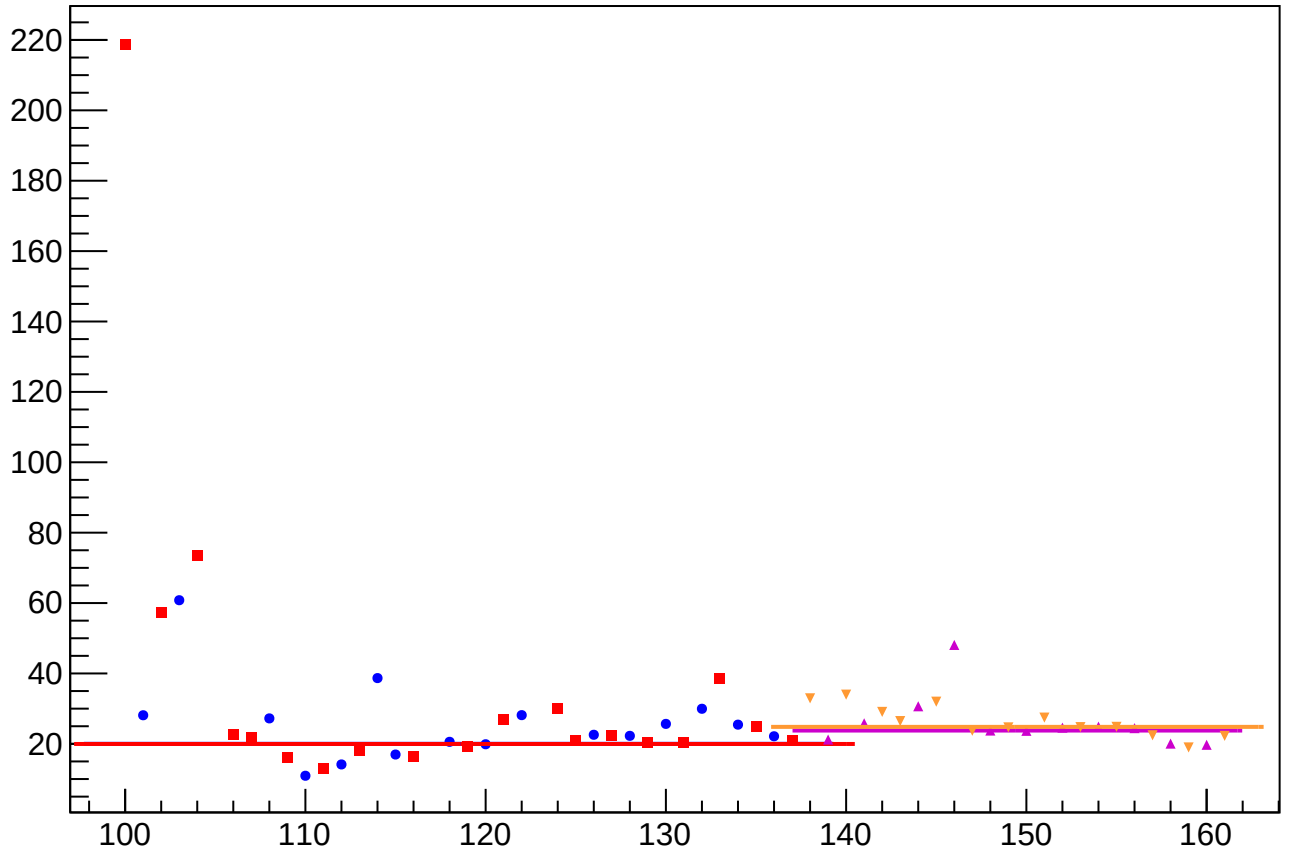
Left: 0.001+/-0.006 χ^2/NDF: 37.9/23

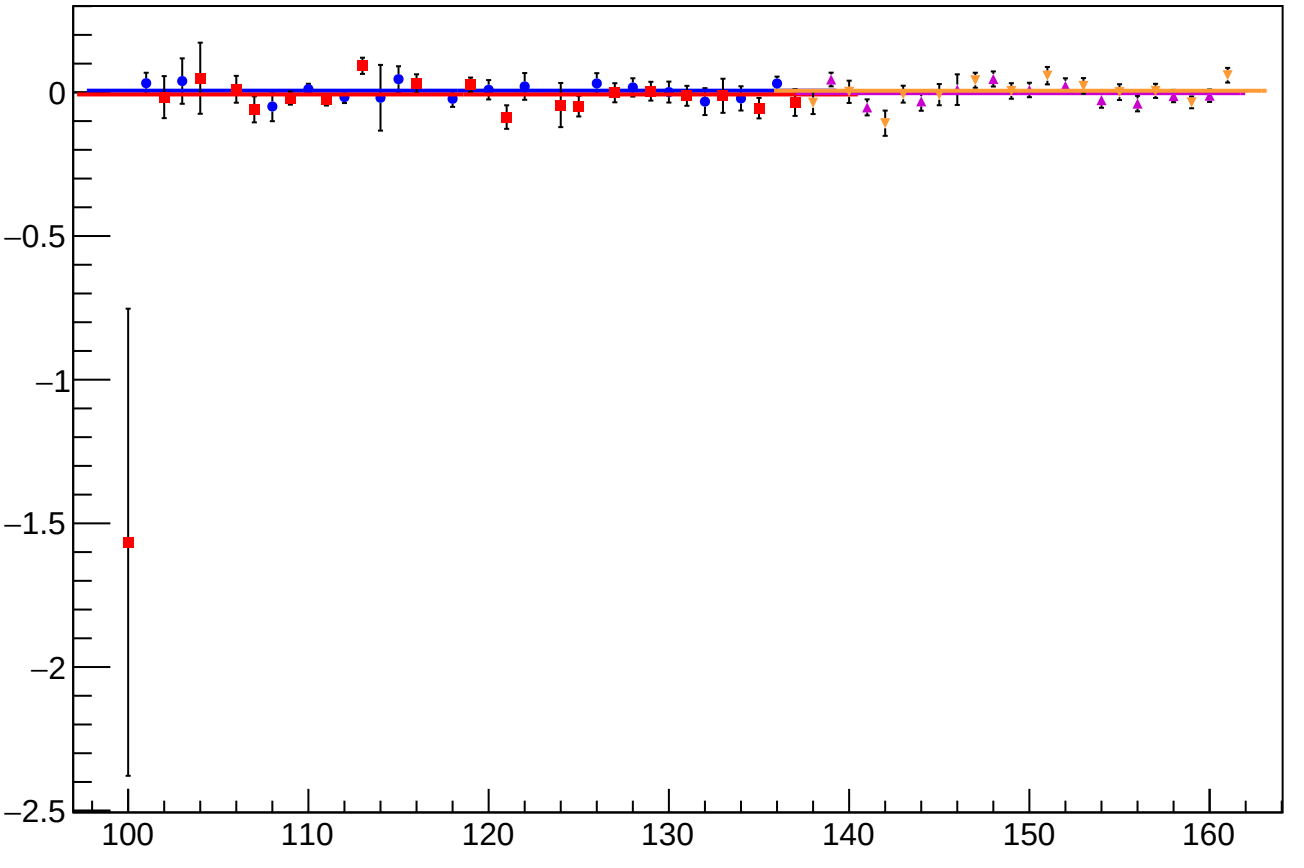
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.001+/-0.006 χ^2/NDF:52.8/31

All: 0.000+/-0.004 χ^2/NDF: 76.9/58


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 20.000+/-0.006 χ²/NDF: 1641371.9/15
Left Out: 24.822+/-0.006 χ²/NDF:515487.1/12
Right Out: 19.963+/-0.006 χ²/NDF: 1716895.2/18
Left In: 23.779+/-0.006 χ²/NDF:674735.8/10
Left: 24.300+/-0.004 χ²/NDF: 1207453.5/23
Right: 19.981+/-0.004 χ²/NDF: 3358287.6/34
In: 21.942+/-0.004 χ²/NDF:2536154.3/26
Out: 22.437+/-0.004 χ²/NDF:2599248.6/31
All: 22.190+/-0.003 χ²/NDF: 5142964.7/58



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.008 χ^2/NDF:15.6/10

Left: 0.001+/-0.006 χ^2/NDF: 37.9/23

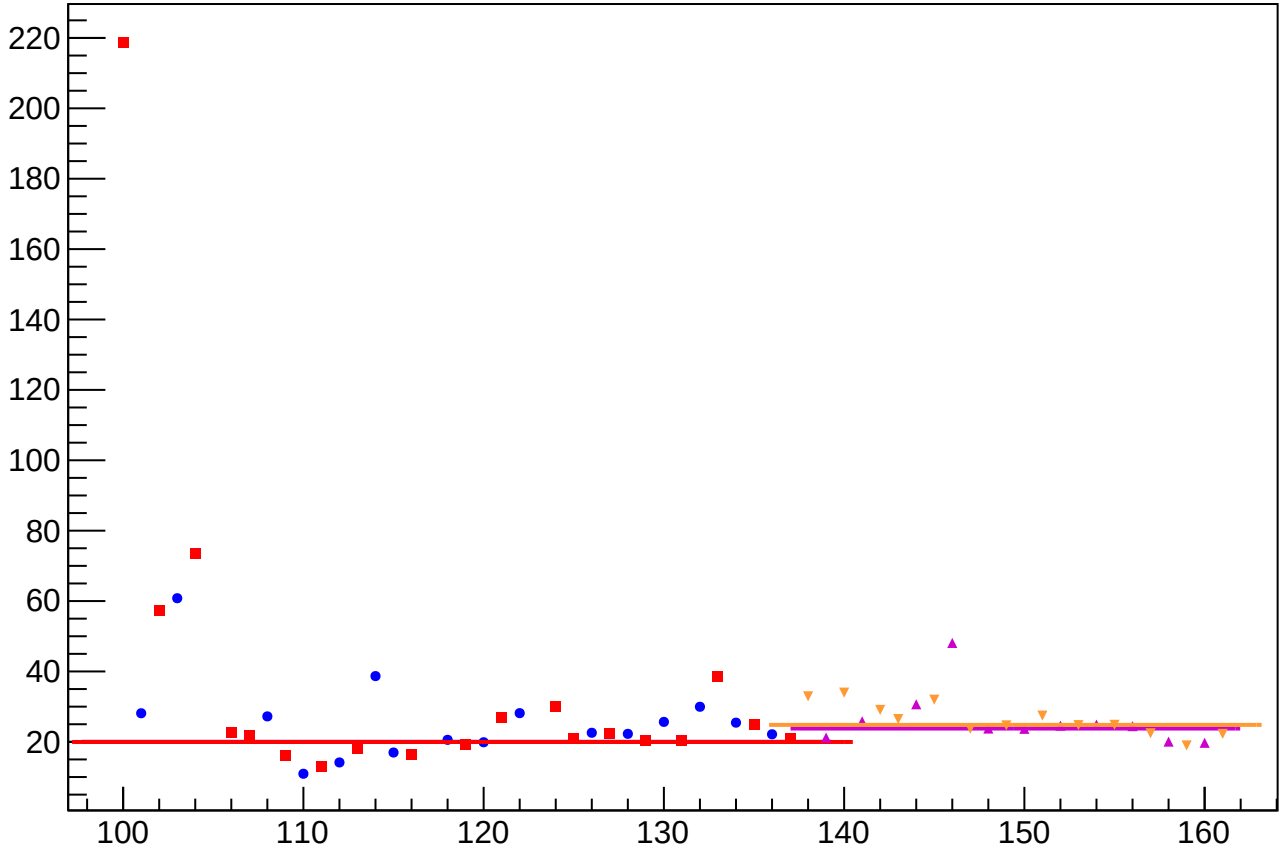
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.001+/-0.006 χ^2/NDF:52.8/31

All: 0.000+/-0.004 χ^2/NDF: 76.9/58

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.822+/-0.006 χ^2/NDF:515487.1/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.779+/-0.006 χ^2/NDF:674735.8/10

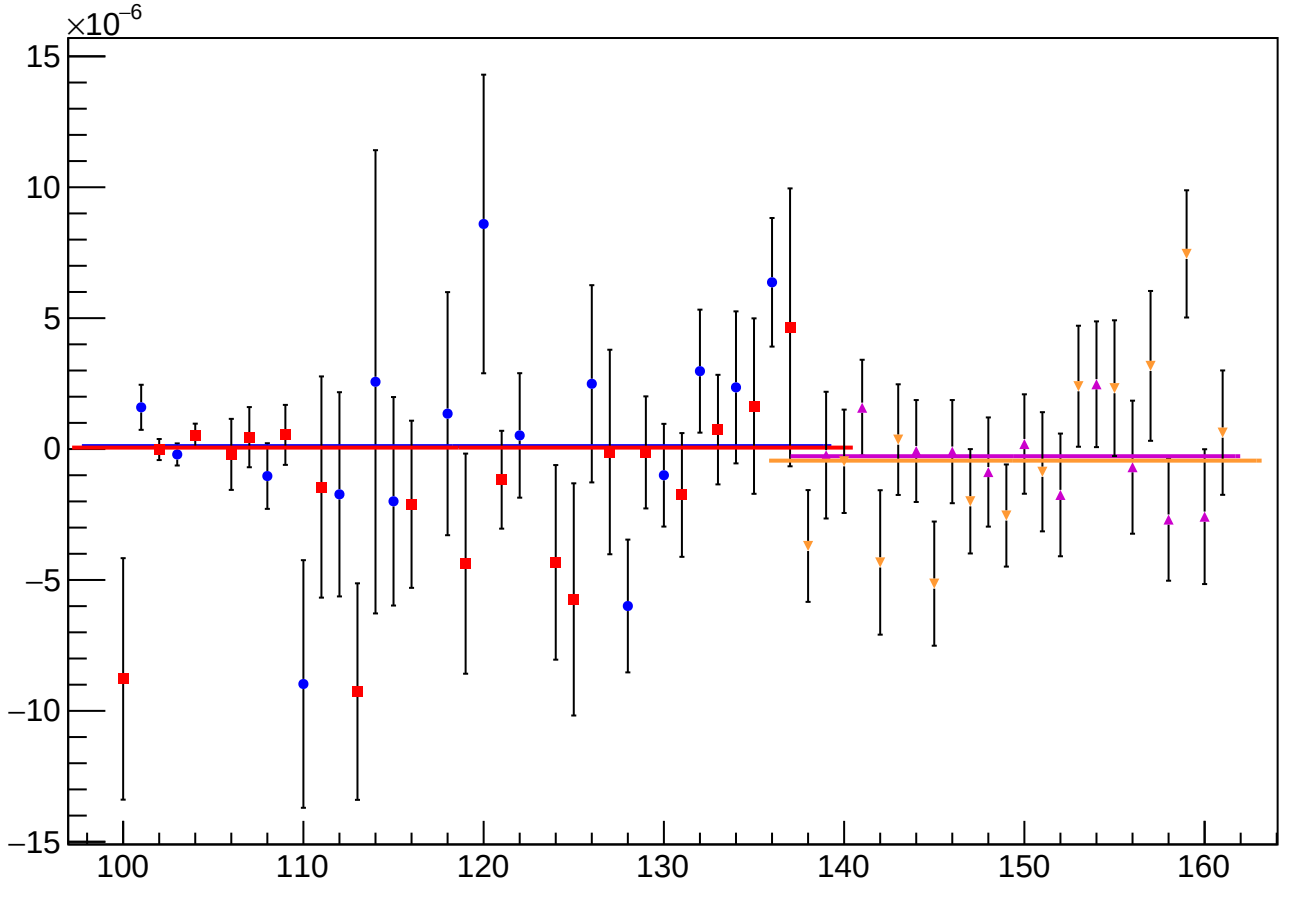
Left: 24.300+/-0.004 χ^2/NDF: 1207453.5/23

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.942+/-0.004 χ^2/NDF:2536154.3/26

Out: 22.437+/-0.004 χ^2/NDF:2599248.6/31

All: 22.190+/-0.003 χ^2/NDF: 5142964.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

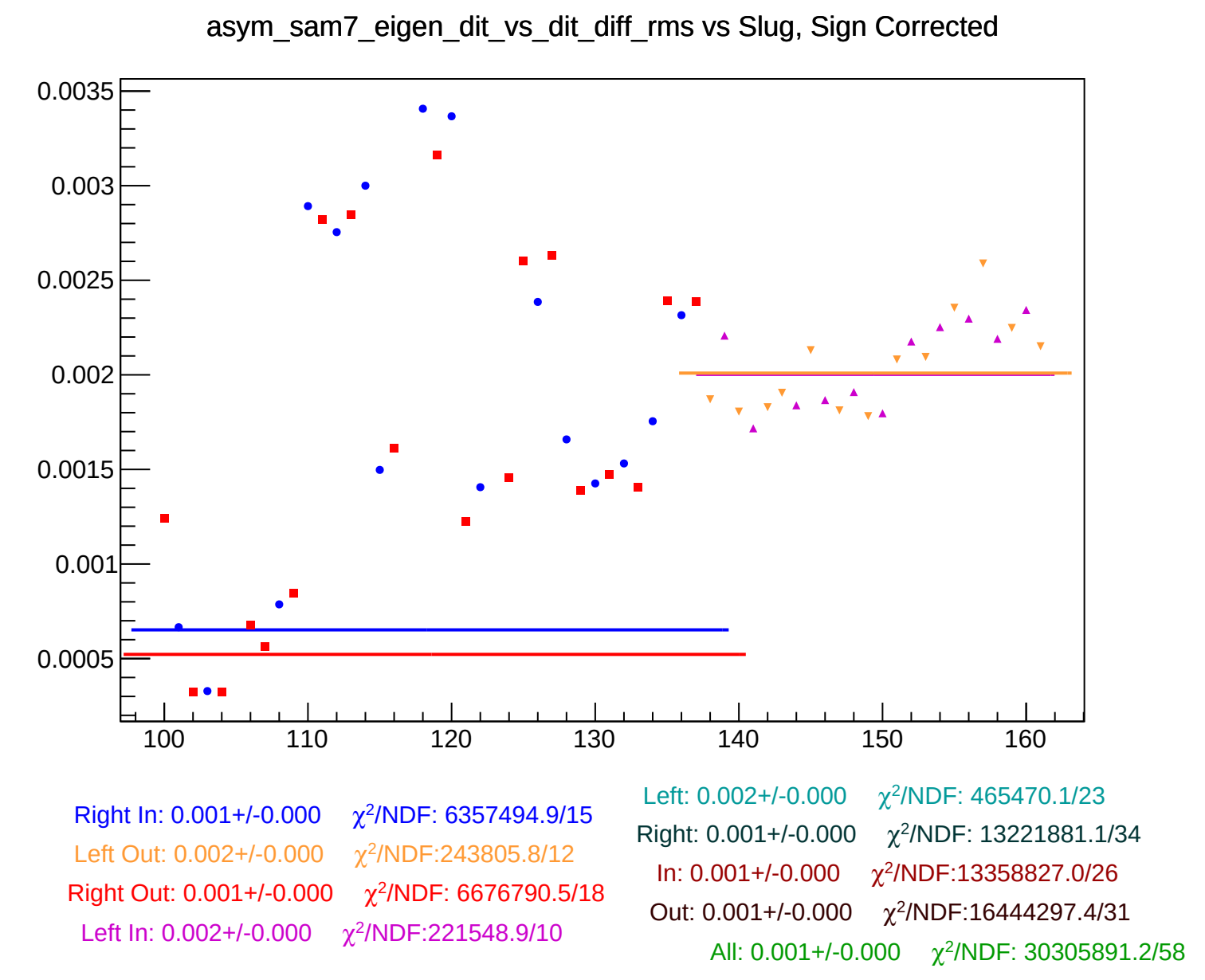
Left: -0.000+/-0.000 χ^2/NDF: 30.0/23

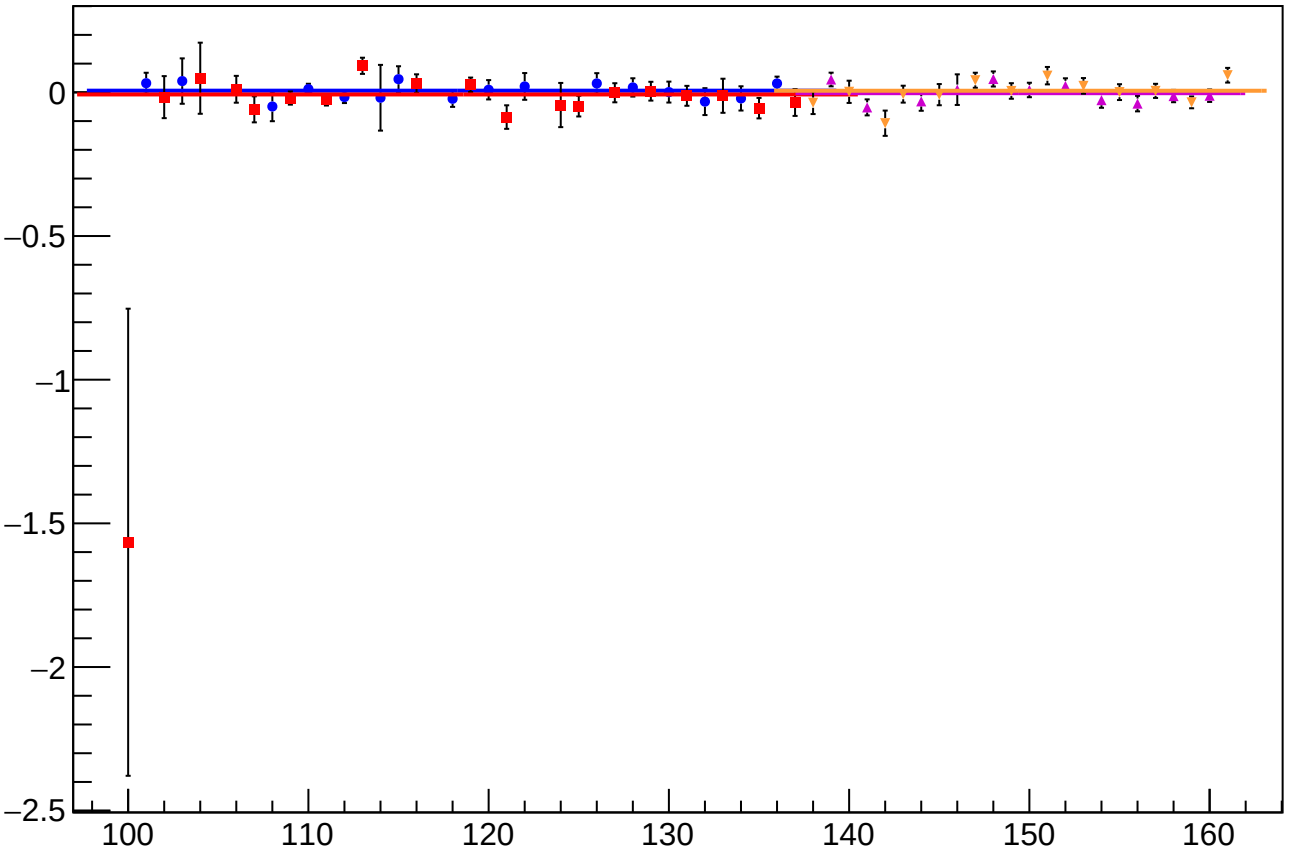
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.1/26

Out: -0.000+/-0.000 χ^2/NDF:42.8/31

All: 0.000+/-0.000 χ^2/NDF: 74.0/58


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:243805.8/12
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:221548.9/10
Left: 0.002+/-0.000 χ²/NDF: 465470.1/23
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:13358827.0/26
Out: 0.001+/-0.000 χ²/NDF:16444297.4/31
All: 0.001+/-0.000 χ²/NDF: 30305891.2/58



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.008 χ^2/NDF:15.6/10

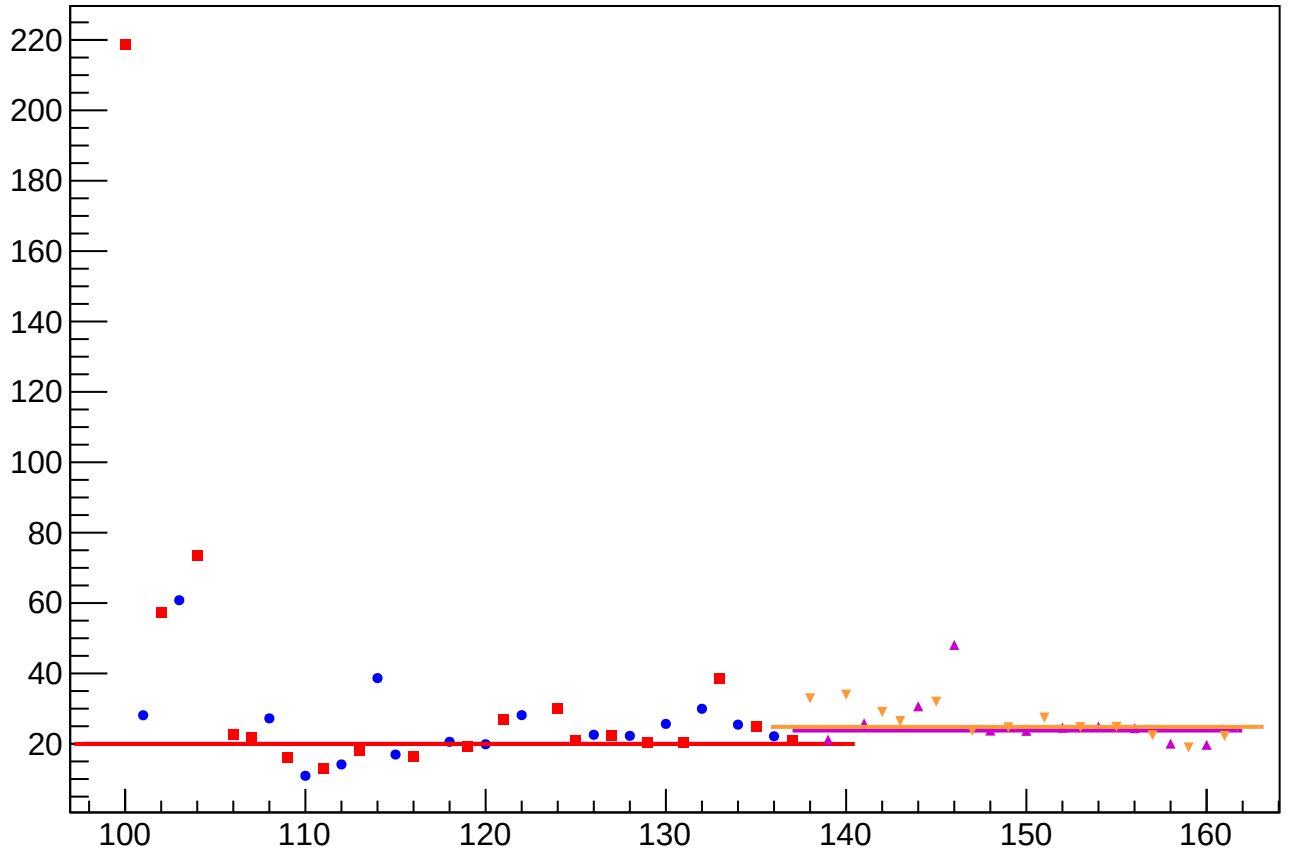
Left: 0.001+/-0.006 χ^2/NDF: 37.9/23

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.001+/-0.006 χ^2/NDF:52.8/31

All: 0.000+/-0.004 χ^2/NDF: 76.9/58



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.822+/-0.006 χ^2/NDF:515530.4/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

Left: 24.300+/-0.004 χ^2/NDF: 1207532.0/23

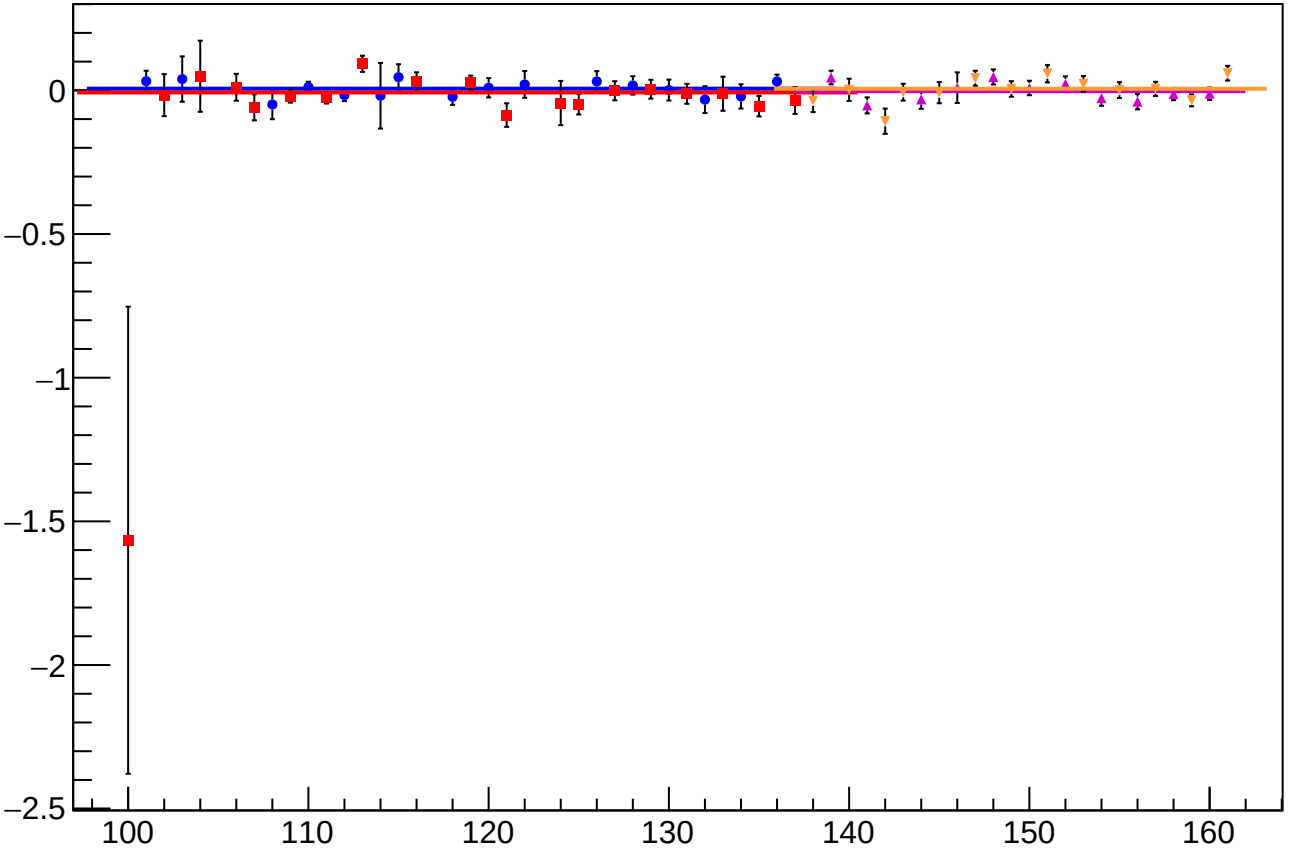
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.943+/-0.004 χ^2/NDF:2535943.9/26

Out: 22.437+/-0.004 χ^2/NDF:2599198.7/31

All: 22.191+/-0.003 χ^2/NDF: 5142699.2/58

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: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.008 χ^2/NDF:15.6/10

Left: 0.001+/-0.006 χ^2/NDF: 37.9/23

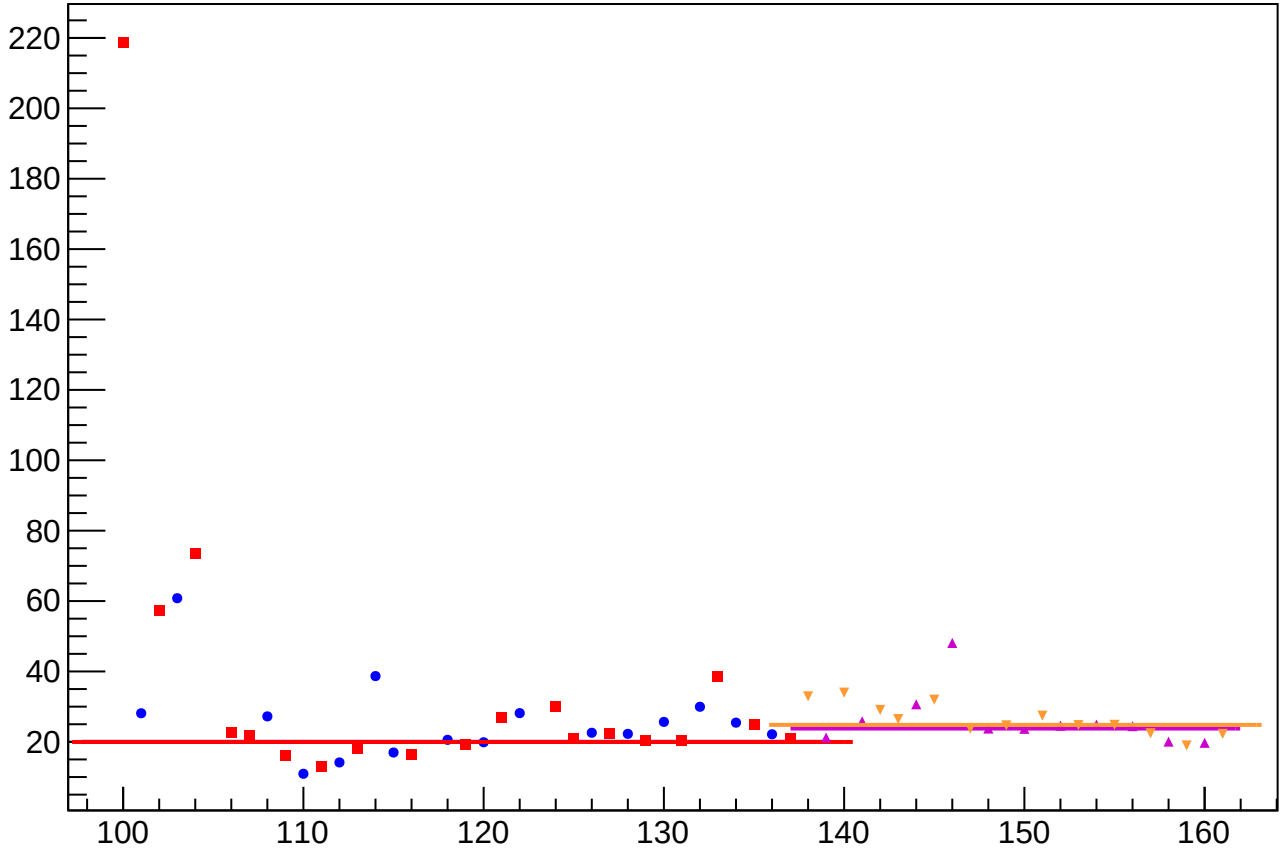
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:24.1/26

Out: -0.001+/-0.006 χ^2/NDF:52.8/31

All: 0.000+/-0.004 χ^2/NDF: 76.9/58

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: 24.822+/-0.006 χ^2/NDF:515530.4/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

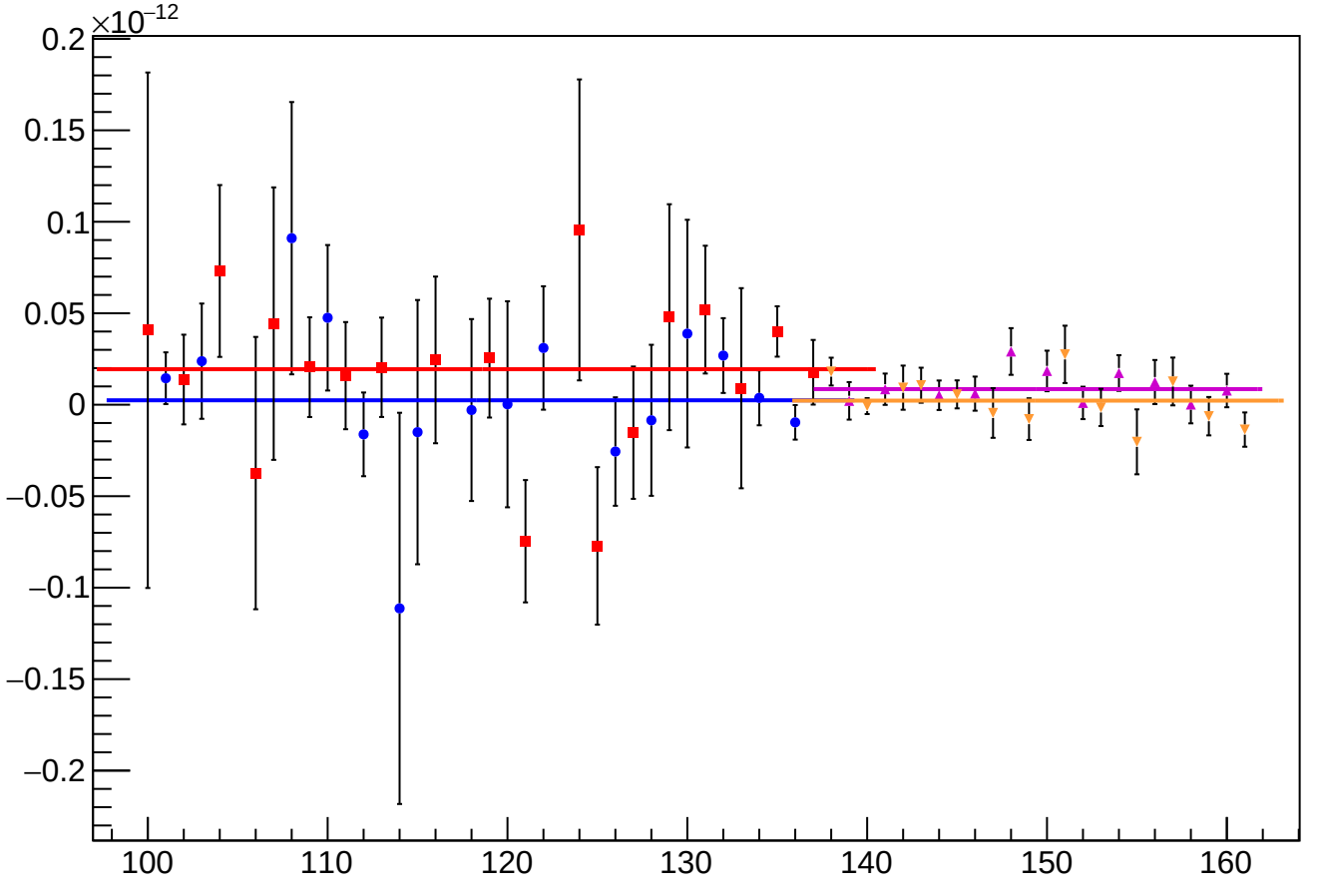
Left: 24.300+/-0.004 χ^2/NDF: 1207532.0/23

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.943+/-0.004 χ^2/NDF:2535943.9/26

Out: 22.437+/-0.004 χ^2/NDF:2599198.7/31

All: 22.191+/-0.003 χ^2/NDF: 5142699.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

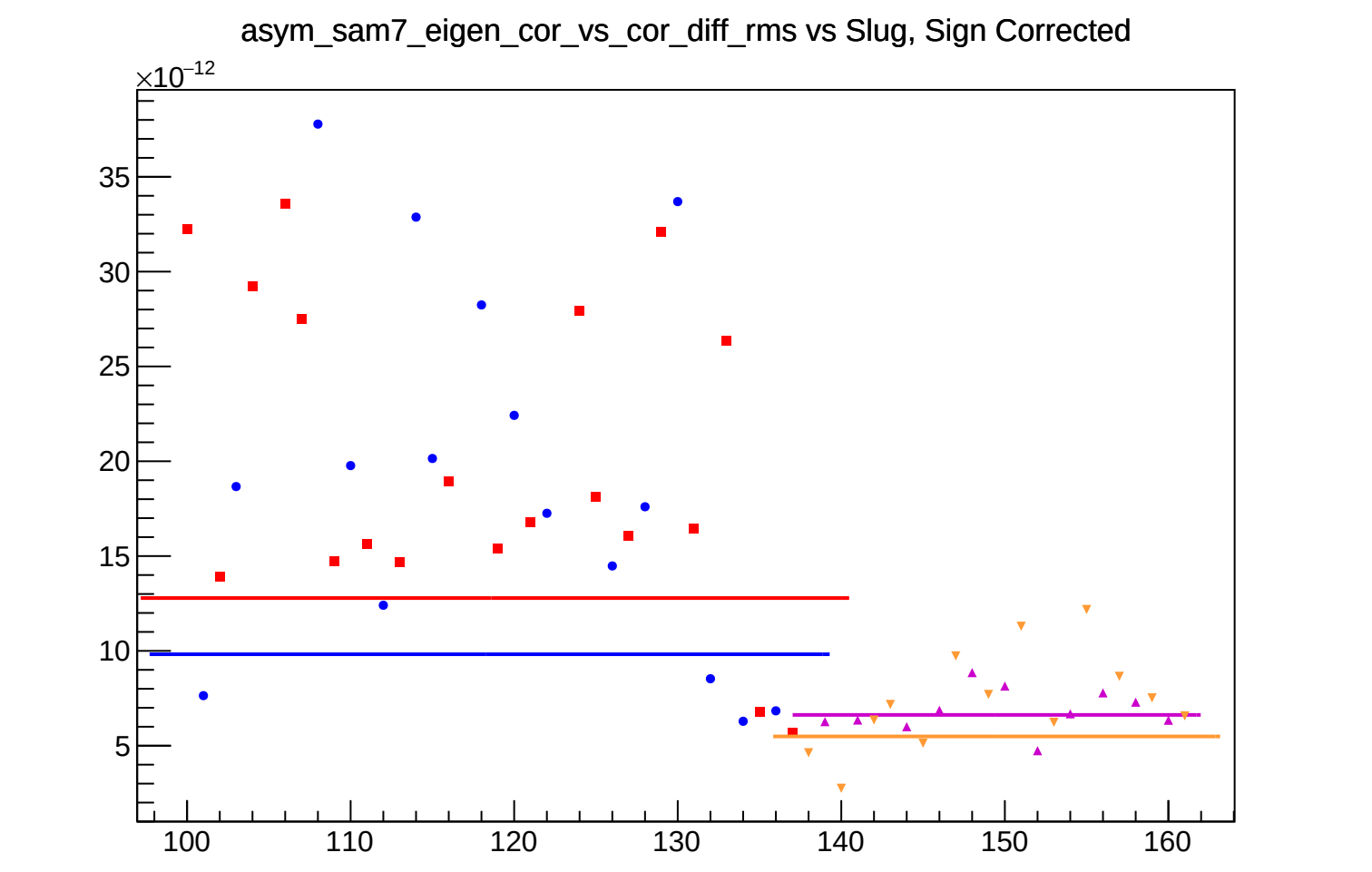
Left: 0.000+/-0.000 χ^2/NDF: 24.7/23

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:18.1/26

Out: 0.000+/-0.000 χ^2/NDF:41.2/31

All: 0.000+/-0.000 χ^2/NDF: 60.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1954493.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:235937.9/10

Left: 0.000+/-0.000 χ^2/NDF: 2364292.6/23

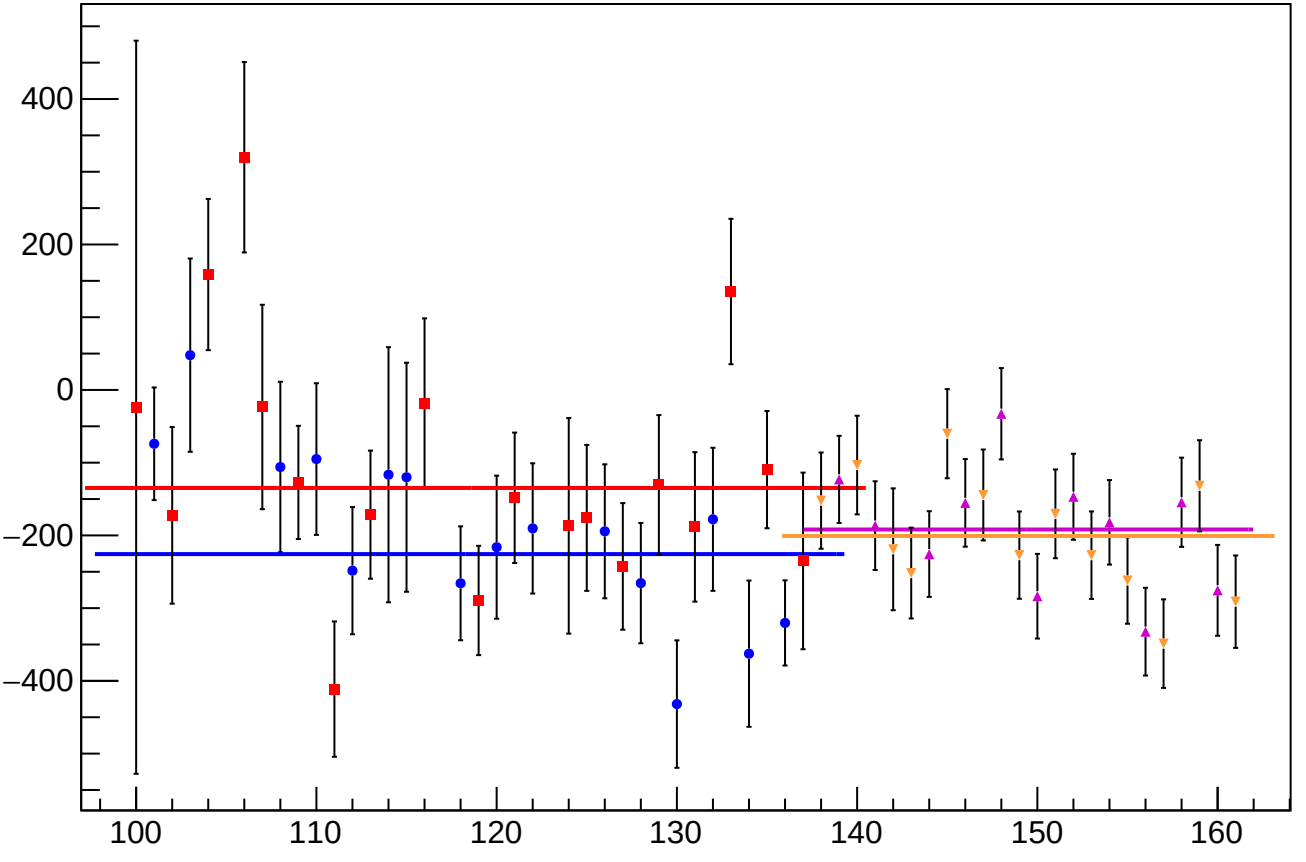
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2708992.0/26

Out: 0.000+/-0.000 χ^2/NDF:5655050.0/31

All: 0.000+/-0.000 χ^2/NDF: 8525258.6/58

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.775+/-17.554 χ^2/NDF:20.2/12

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -191.878+/-18.137 χ^2/NDF:19.1/10

Left: -196.472+/-12.614 χ^2/NDF: 39.5/23

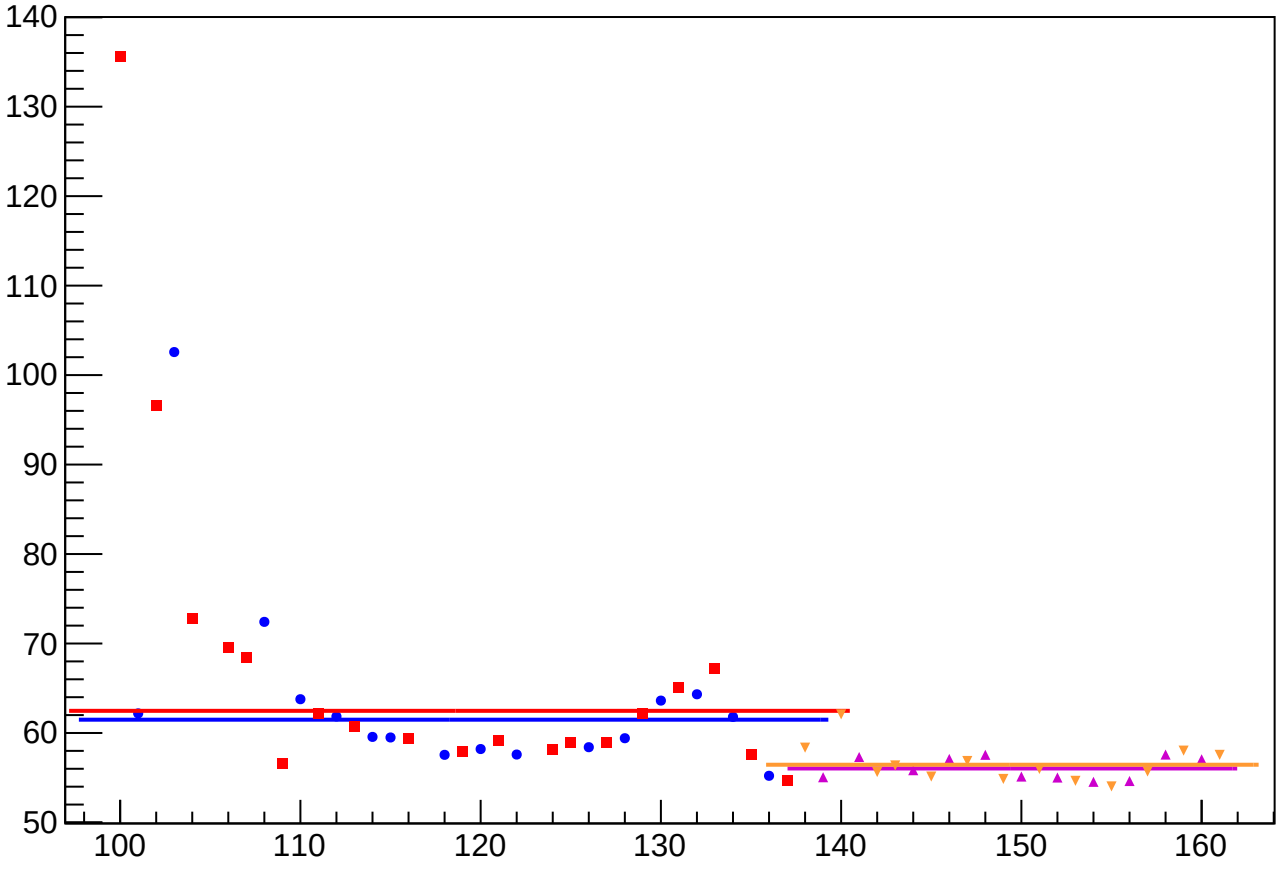
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -204.761+/-14.270 χ^2/NDF:43.1/26

Out: -176.730+/-13.997 χ^2/NDF:70.6/31

All: -190.475+/-9.992 χ^2/NDF: 115.7/58

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

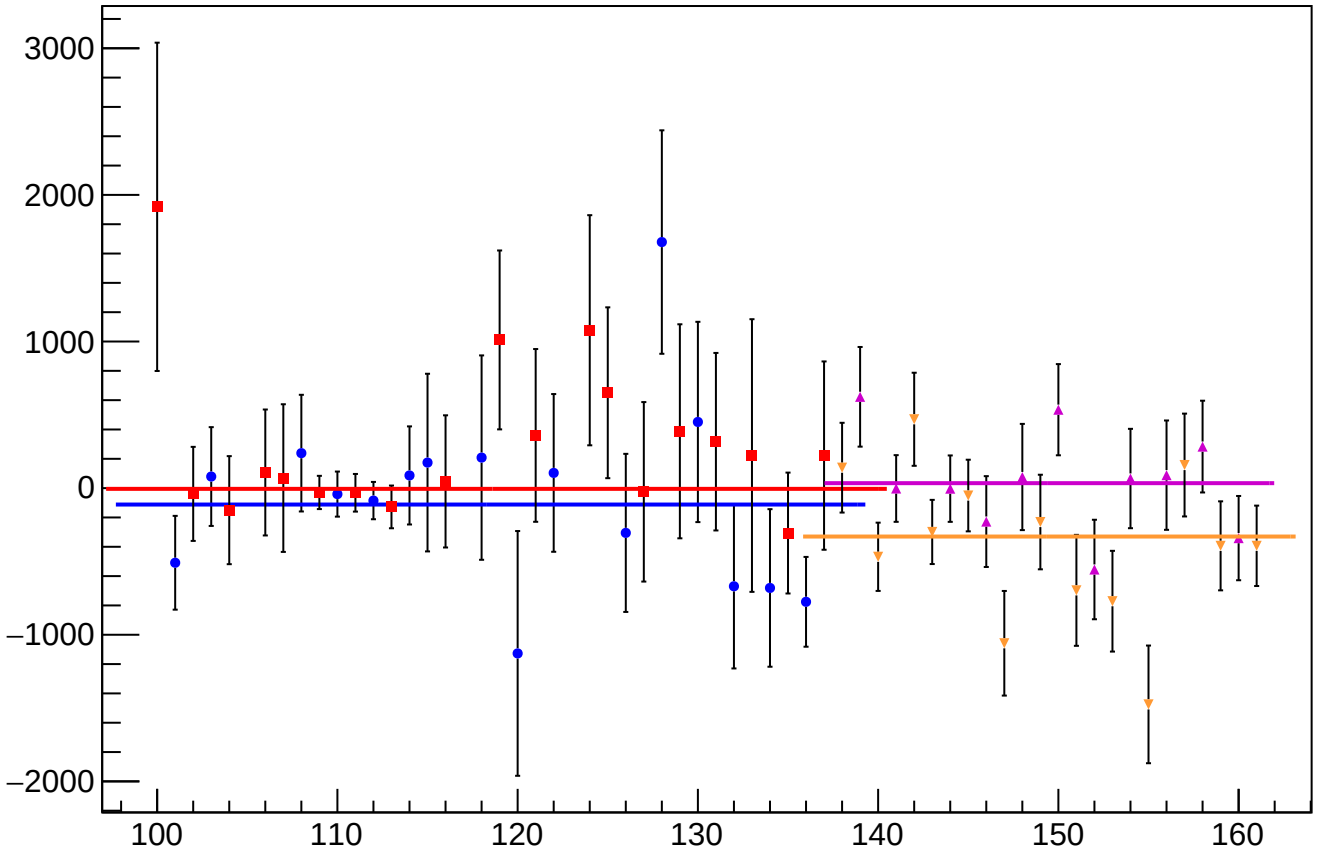
Left: 56.249+/-0.009 χ^2/NDF: 34585.0/23

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.110+/-0.010 χ^2/NDF:328111.4/26

Out: 58.646+/-0.010 χ^2/NDF:392437.8/31

All: 58.383+/-0.007 χ^2/NDF: 721986.1/58



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -330.110+/-82.170 χ^2/NDF:27.4/12

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 33.931+/-90.244 χ^2/NDF:11.8/10

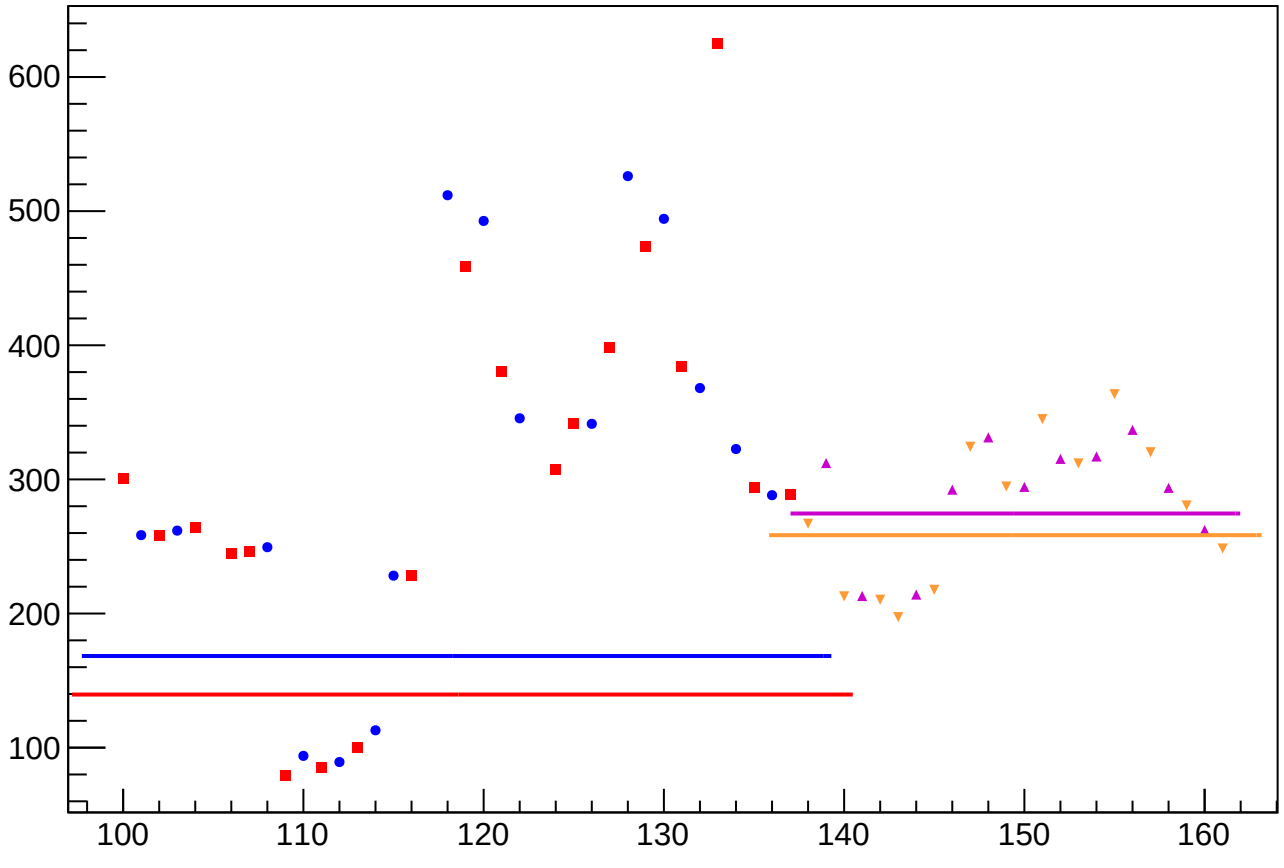
Left: -165.101+/-60.757 χ^2/NDF: 48.1/23

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -51.182+/-58.227 χ^2/NDF:31.7/26

Out: -127.529+/-50.459 χ^2/NDF:48.8/31

All: -94.784+/-38.132 χ^2/NDF: 81.5/58



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 258.422+/-0.058 χ^2/NDF:794968.9/12

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 274.570+/-0.064 χ^2/NDF:504373.8/10

Left: 265.741+/-0.043 χ^2/NDF: 1334356.6/23

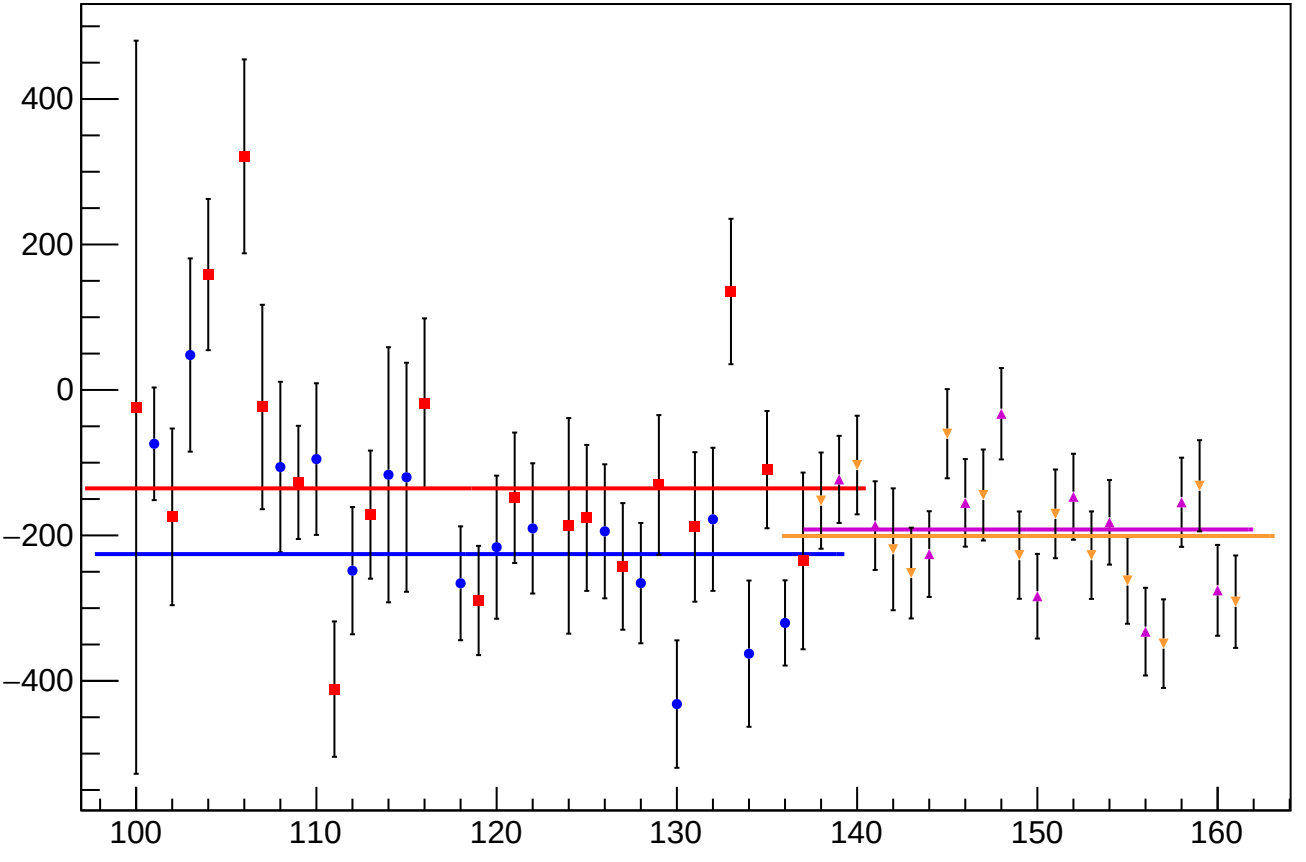
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 212.557+/-0.041 χ^2/NDF:6666371.1/26

Out: 184.402+/-0.036 χ^2/NDF:8554486.9/31

All: 196.478+/-0.027 χ^2/NDF: 15487923.2/58

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.774+/-17.554 χ^2/NDF:20.2/12

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -191.876+/-18.137 χ^2/NDF:19.1/10

Left: -196.471+/-12.614 χ^2/NDF: 39.5/23

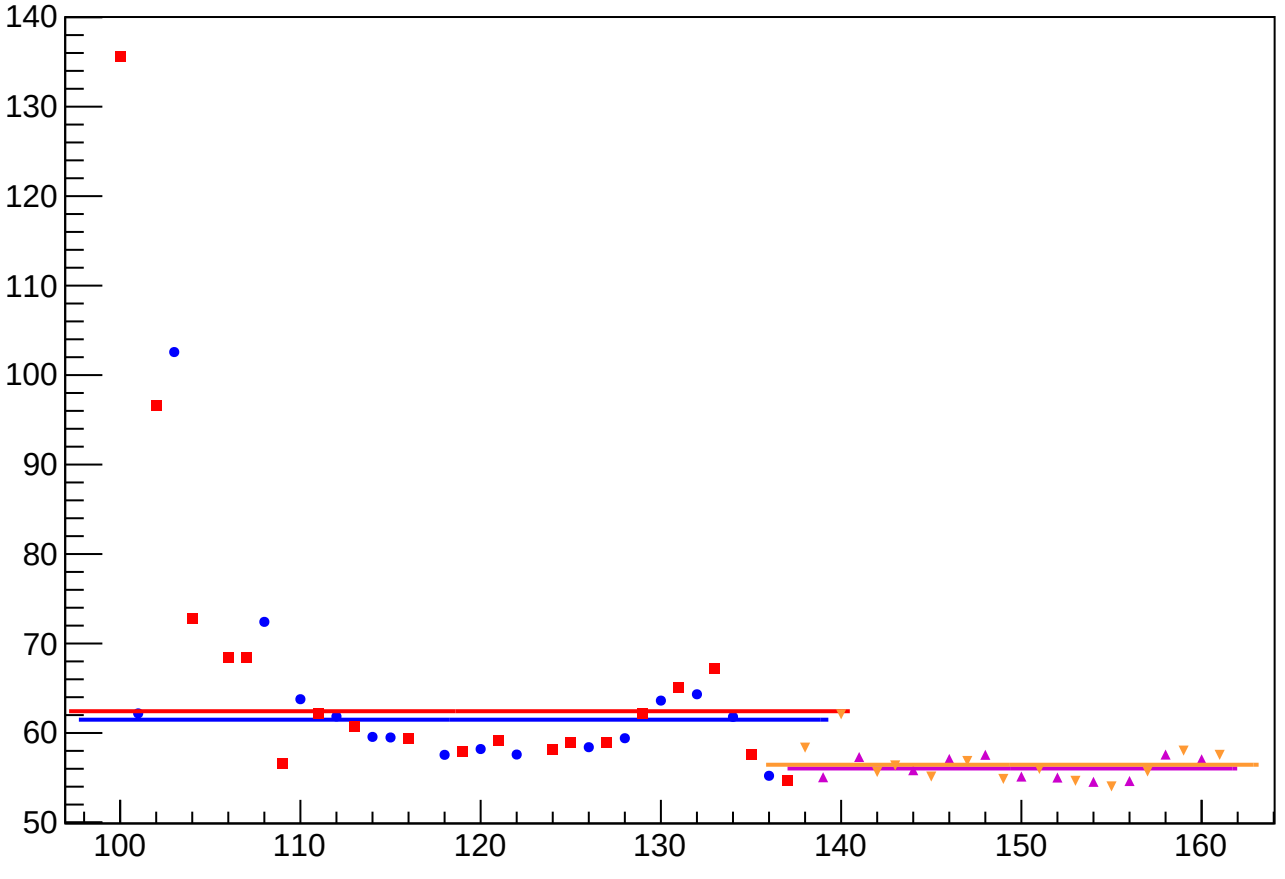
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -204.760+/-14.270 χ^2/NDF:43.1/26

Out: -176.947+/-14.000 χ^2/NDF:70.2/31

All: -190.588+/-9.993 χ^2/NDF: 115.2/58

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

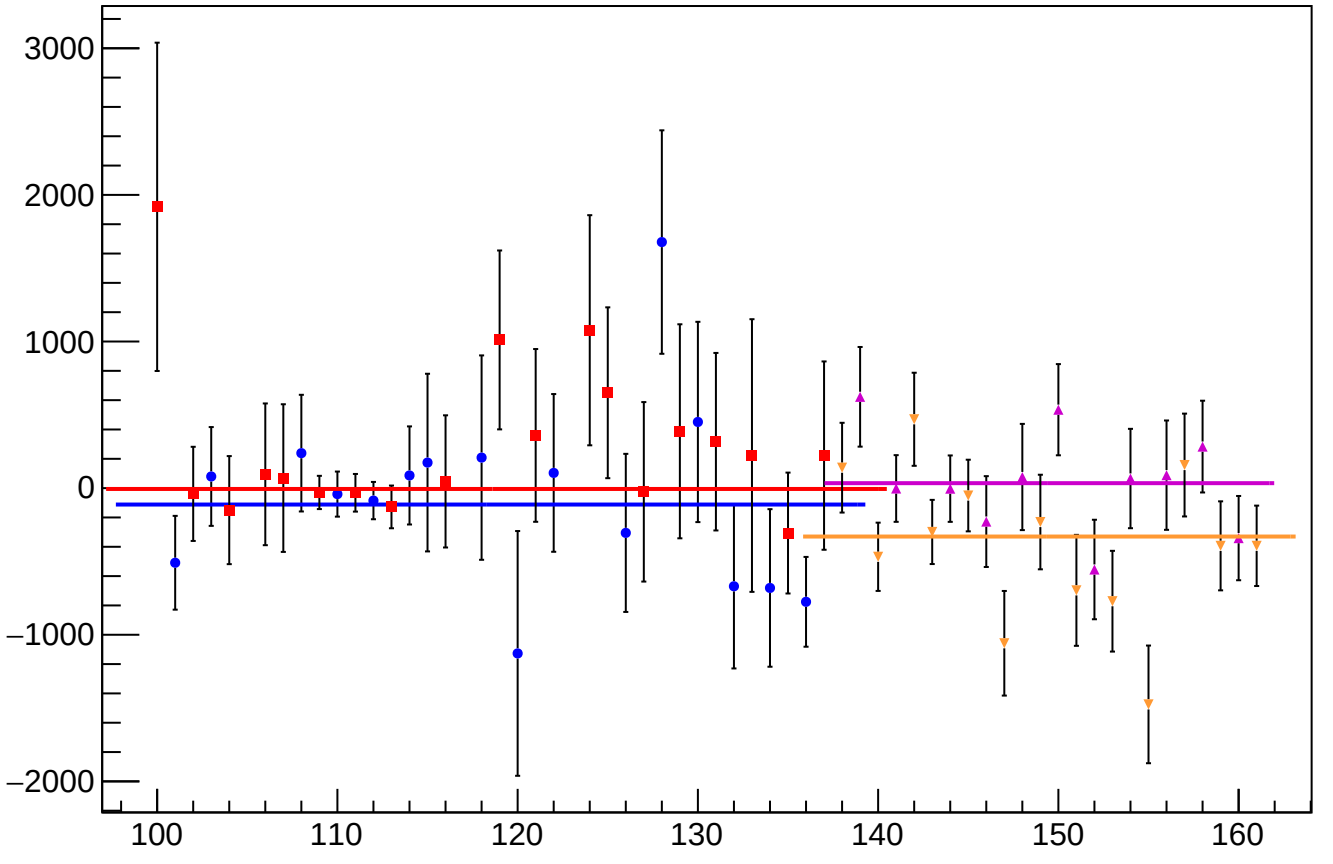
Left: 56.249+/-0.009 χ^2/NDF: 34585.0/23

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.110+/-0.010 χ^2/NDF:328114.1/26

Out: 58.628+/-0.010 χ^2/NDF:389413.5/31

All: 58.374+/-0.007 χ^2/NDF: 718872.9/58



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -330.108+/-82.170 χ^2/NDF:27.4/12

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.929+/-90.244 χ^2/NDF:11.8/10

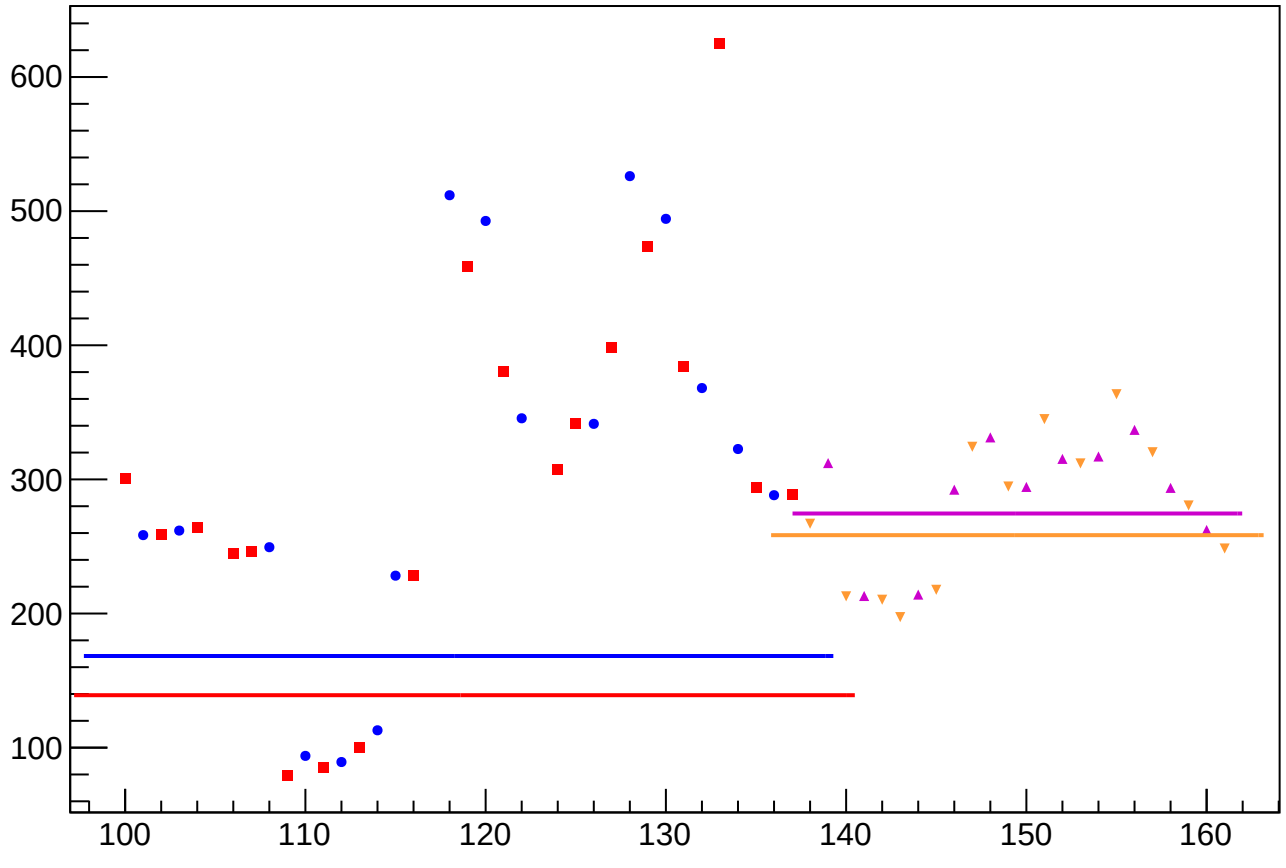
Left: -165.101+/-60.757 χ^2/NDF: 48.1/23

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -51.172+/-58.227 χ^2/NDF:31.7/26

Out: -128.341+/-50.533 χ^2/NDF:48.7/31

All: -95.188+/-38.165 χ^2/NDF: 81.4/58



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.421+/-0.058 χ^2/NDF:794973.7/12

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

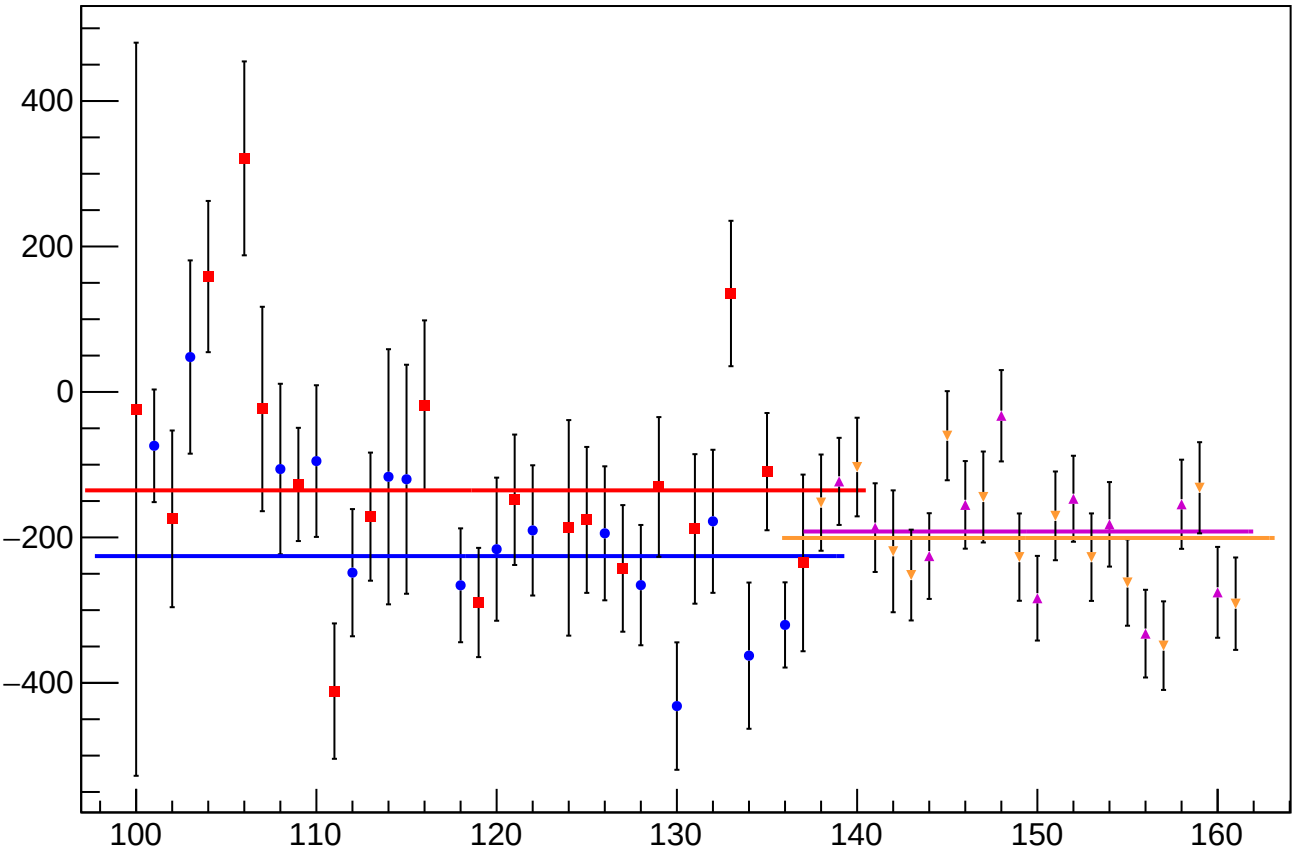
Left: 265.741+/-0.043 χ^2/NDF: 1334361.9/23

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 212.558+/-0.041 χ^2/NDF:6666407.5/26

Out: 184.231+/-0.036 χ^2/NDF:8547111.0/31

All: 196.401+/-0.027 χ^2/NDF: 15483504.8/58



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.774+/-17.554 χ^2/NDF:20.2/12

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -191.876+/-18.137 χ^2/NDF:19.1/10

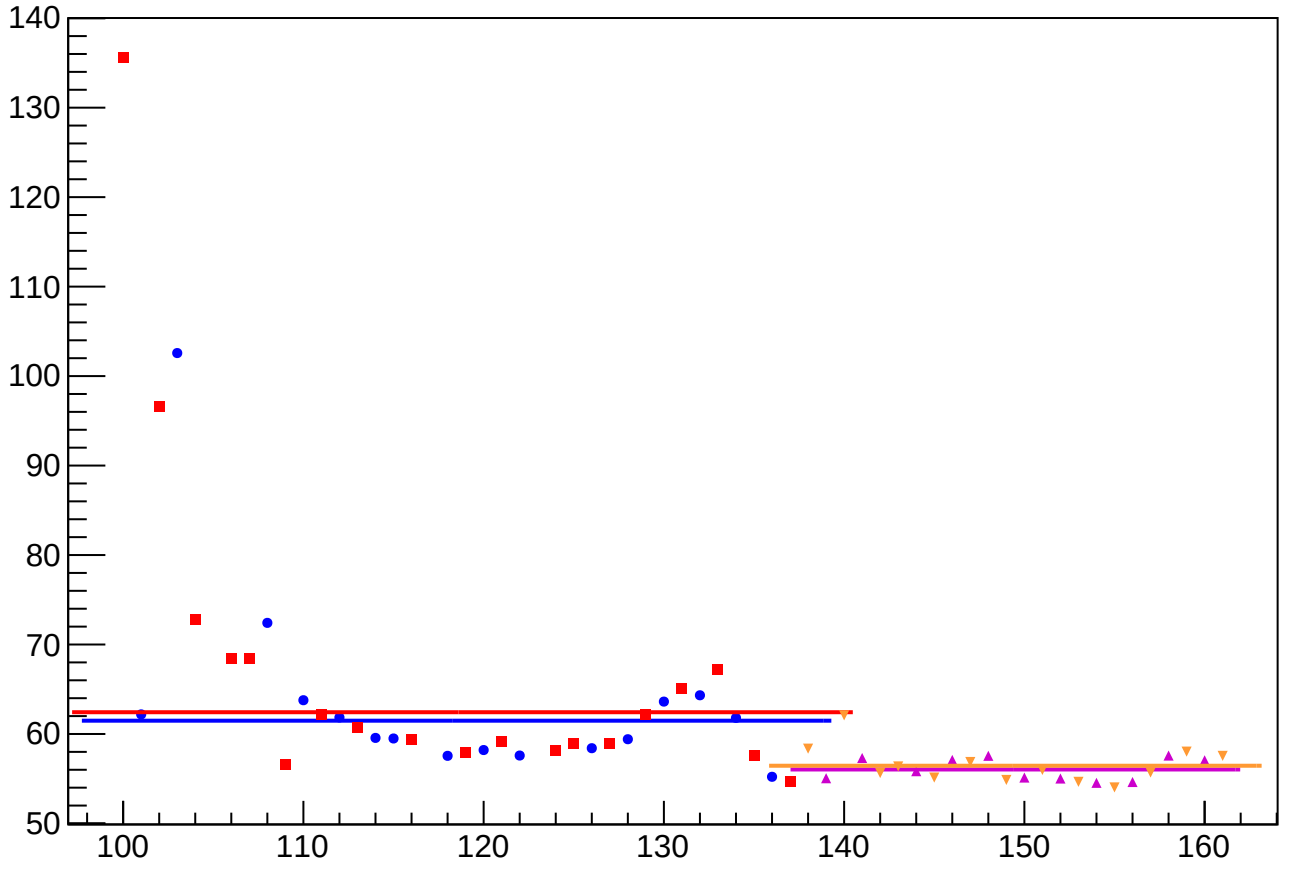
Left: -196.471+/-12.614 χ^2/NDF: 39.5/23

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -204.760+/-14.270 χ^2/NDF:43.1/26

Out: -176.947+/-14.000 χ^2/NDF:70.2/31

All: -190.588+/-9.993 χ^2/NDF: 115.2/58



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

Left: 56.249+/-0.009 χ^2/NDF: 34585.0/23

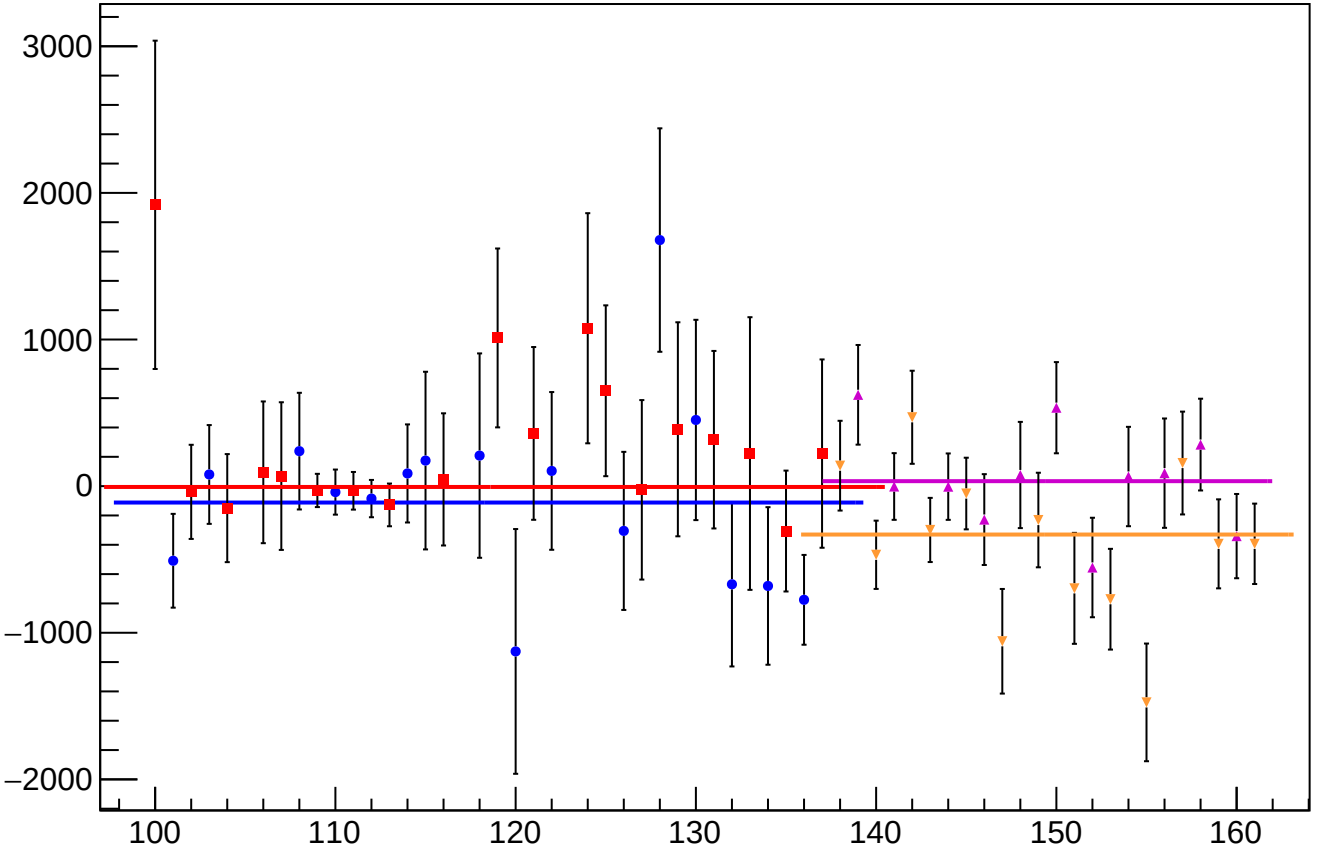
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.110+/-0.010 χ^2/NDF:328114.1/26

Out: 58.628+/-0.010 χ^2/NDF:389413.5/31

All: 58.374+/-0.007 χ^2/NDF: 718872.9/58

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -330.108+/-82.170 χ^2/NDF:27.4/12

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.929+/-90.244 χ^2/NDF:11.8/10

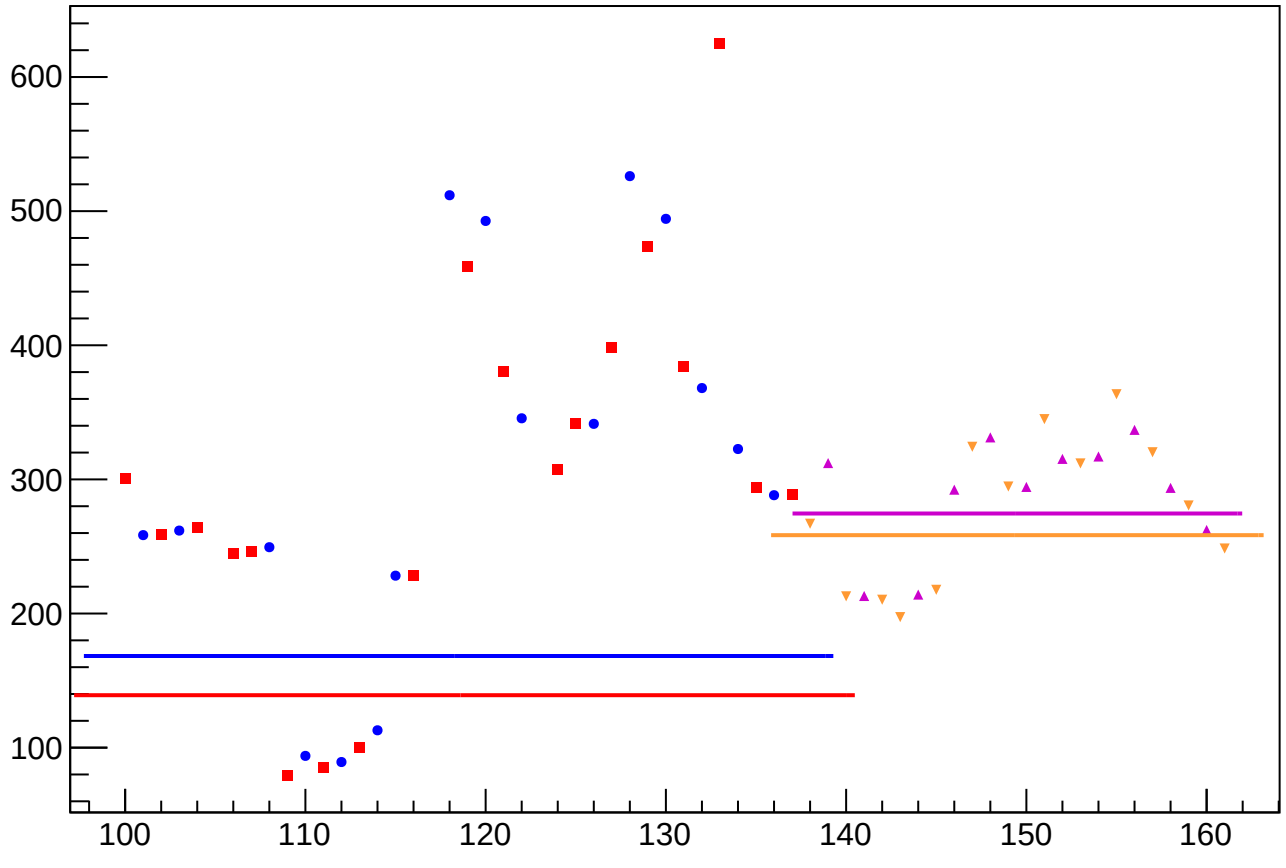
Left: -165.101+/-60.757 χ^2/NDF: 48.1/23

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -51.172+/-58.227 χ^2/NDF:31.7/26

Out: -128.341+/-50.533 χ^2/NDF:48.7/31

All: -95.188+/-38.165 χ^2/NDF: 81.4/58



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.421+/-0.058 χ^2/NDF:794973.7/12

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

Left: 265.741+/-0.043 χ^2/NDF: 1334361.9/23

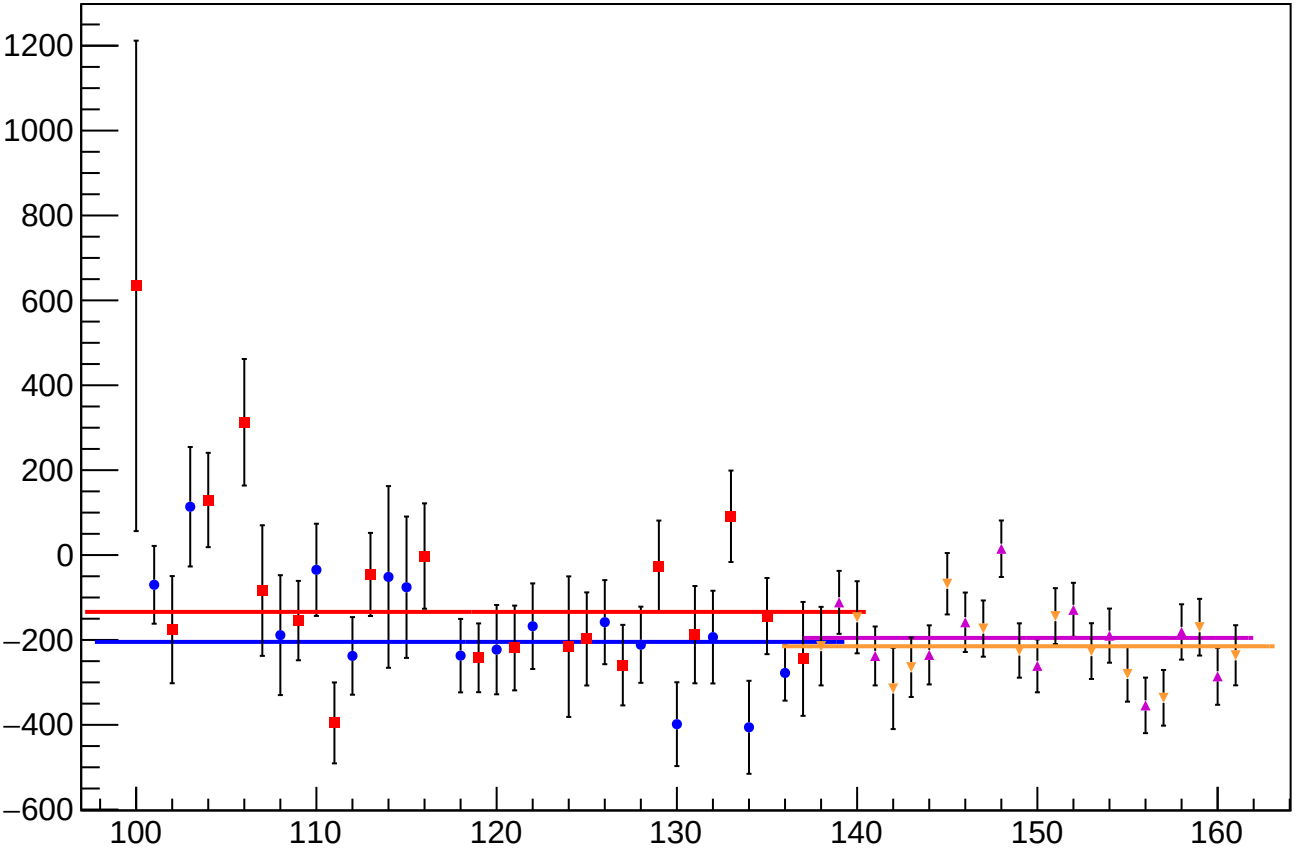
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 212.558+/-0.041 χ^2/NDF:6666407.5/26

Out: 184.231+/-0.036 χ^2/NDF:8547111.0/31

All: 196.401+/-0.027 χ^2/NDF: 15483504.8/58

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.933+/-19.670 χ^2/NDF:13.0/12

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -195.220+/-20.133 χ^2/NDF:22.2/10

Left: -205.306+/-14.069 χ^2/NDF: 35.6/23

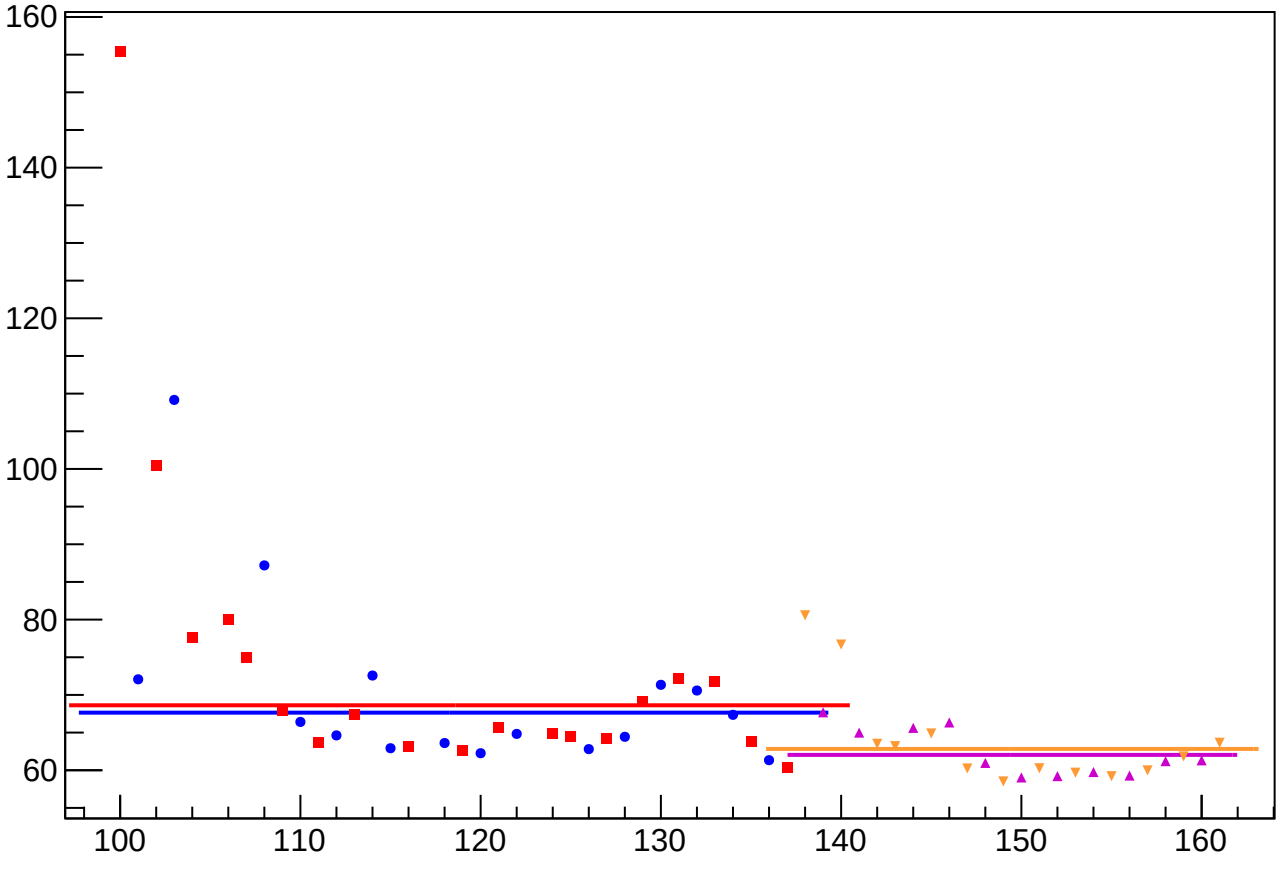
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.809+/-15.807 χ^2/NDF:42.3/26

Out: -184.688+/-15.571 χ^2/NDF:56.5/31

All: -191.643+/-11.093 χ^2/NDF: 99.2/58

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.829+/-0.014 χ^2/NDF:158993.8/12

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.039+/-0.014 χ^2/NDF:43822.0/10

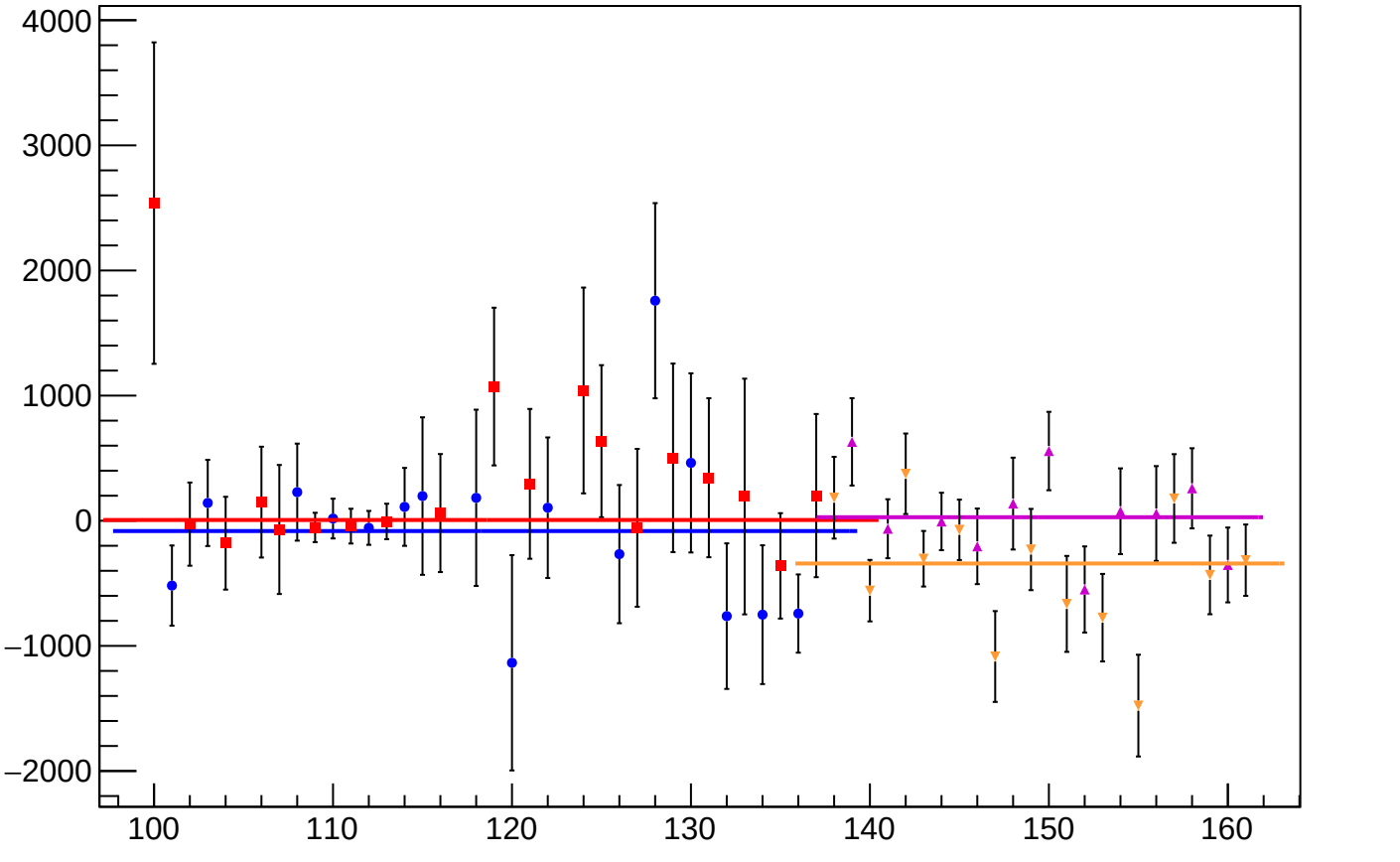
Left: 62.443+/-0.010 χ^2/NDF: 204392.1/23

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.190+/-0.011 χ^2/NDF:367031.5/26

Out: 64.992+/-0.011 χ^2/NDF:471973.9/31

All: 64.597+/-0.008 χ^2/NDF: 841621.8/58



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -341.581+/-84.048 χ^2/NDF:26.2/12

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 28.259+/-91.809 χ^2/NDF:11.7/10

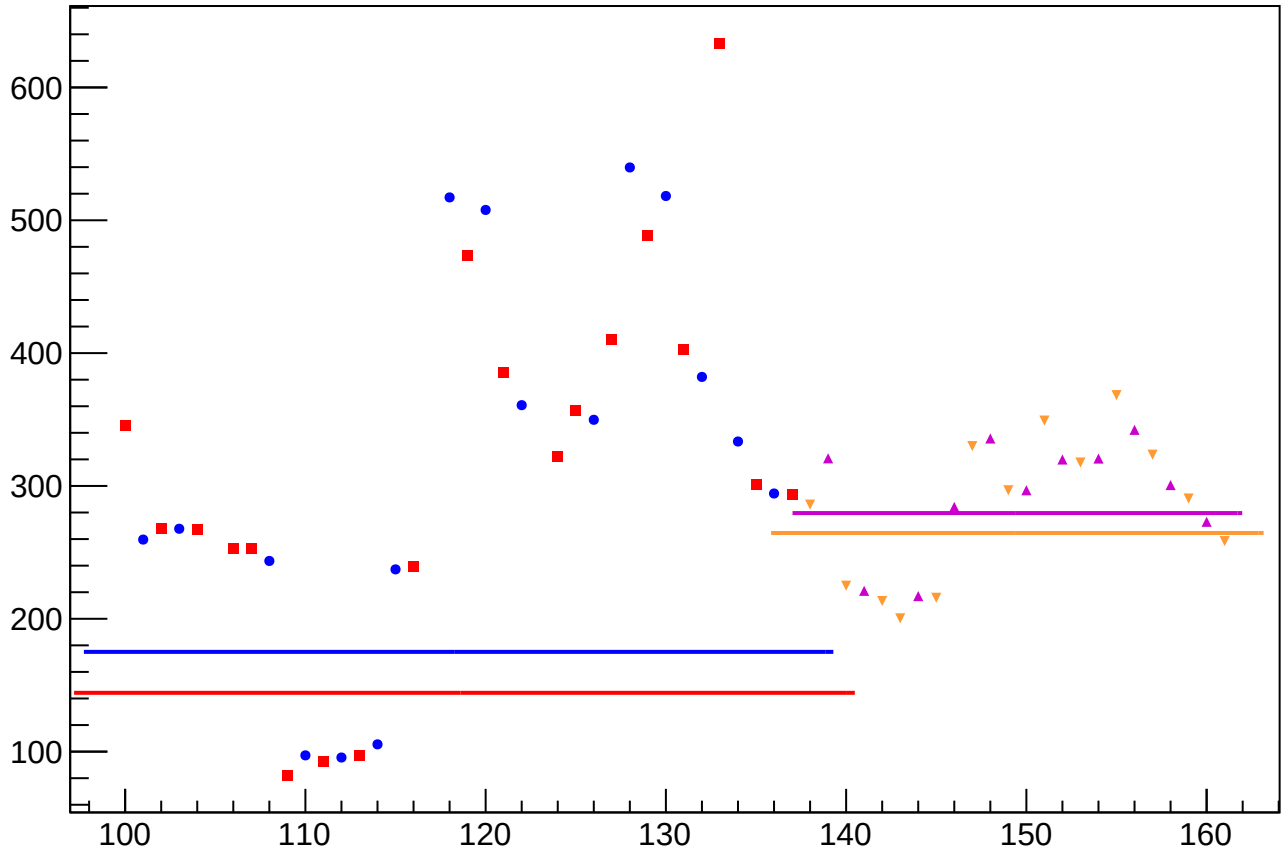
Left: -172.952+/-61.993 χ^2/NDF: 46.7/23

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.446+/-59.741 χ^2/NDF:31.7/26

Out: -126.317+/-51.865 χ^2/NDF:48.8/31

All: -87.263+/-39.165 χ^2/NDF: 81.9/58



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.609+/-0.059 χ^2/NDF:788742.0/12

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 279.584+/-0.065 χ^2/NDF:473392.0/10

Left: 271.437+/-0.044 χ^2/NDF: 1291083.0/23

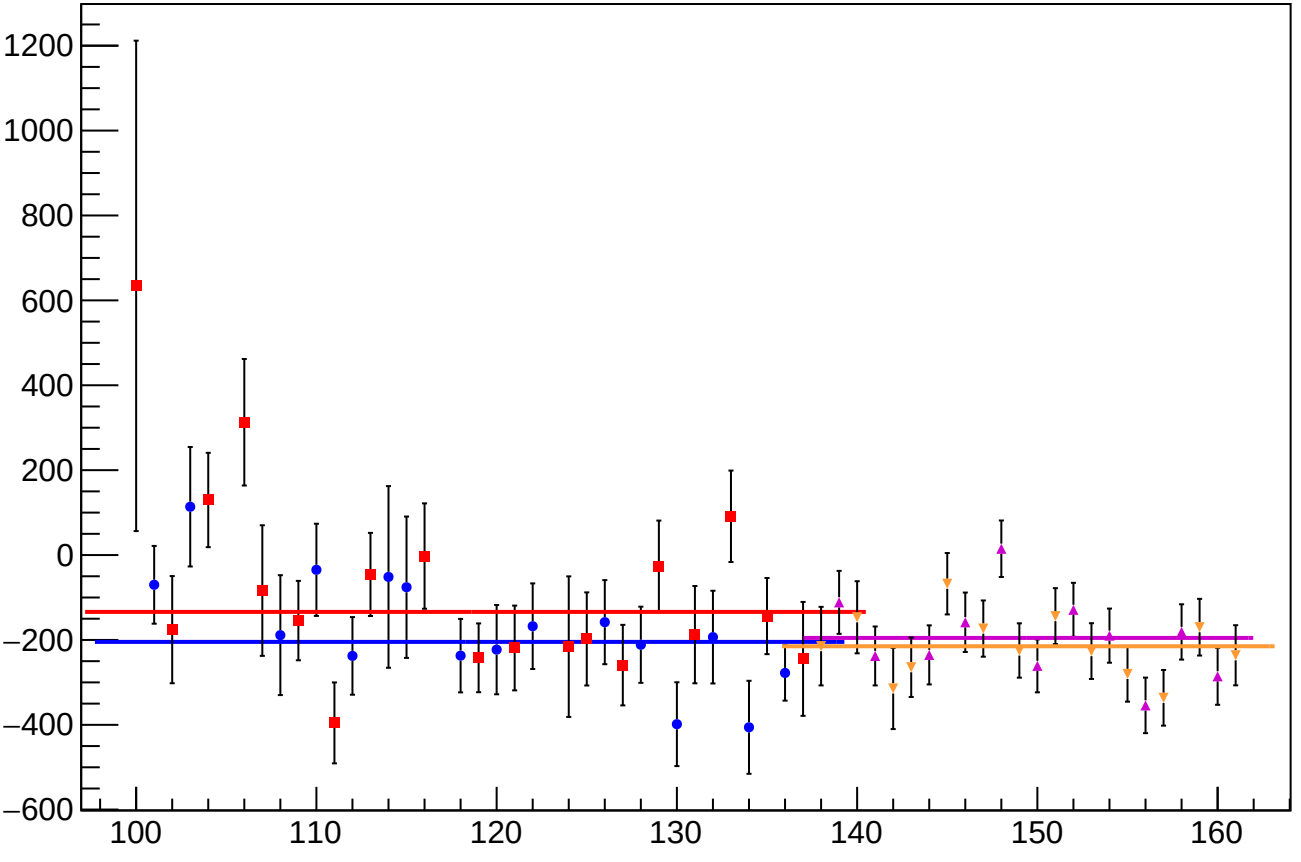
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 219.340+/-0.042 χ^2/NDF:6396021.9/26

Out: 190.098+/-0.037 χ^2/NDF:8459688.1/31

All: 202.666+/-0.028 χ^2/NDF: 15128955.3/58

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.932+/-19.670 χ^2/NDF:13.0/12

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -195.221+/-20.133 χ^2/NDF:22.2/10

Left: -205.305+/-14.069 χ^2/NDF: 35.6/23

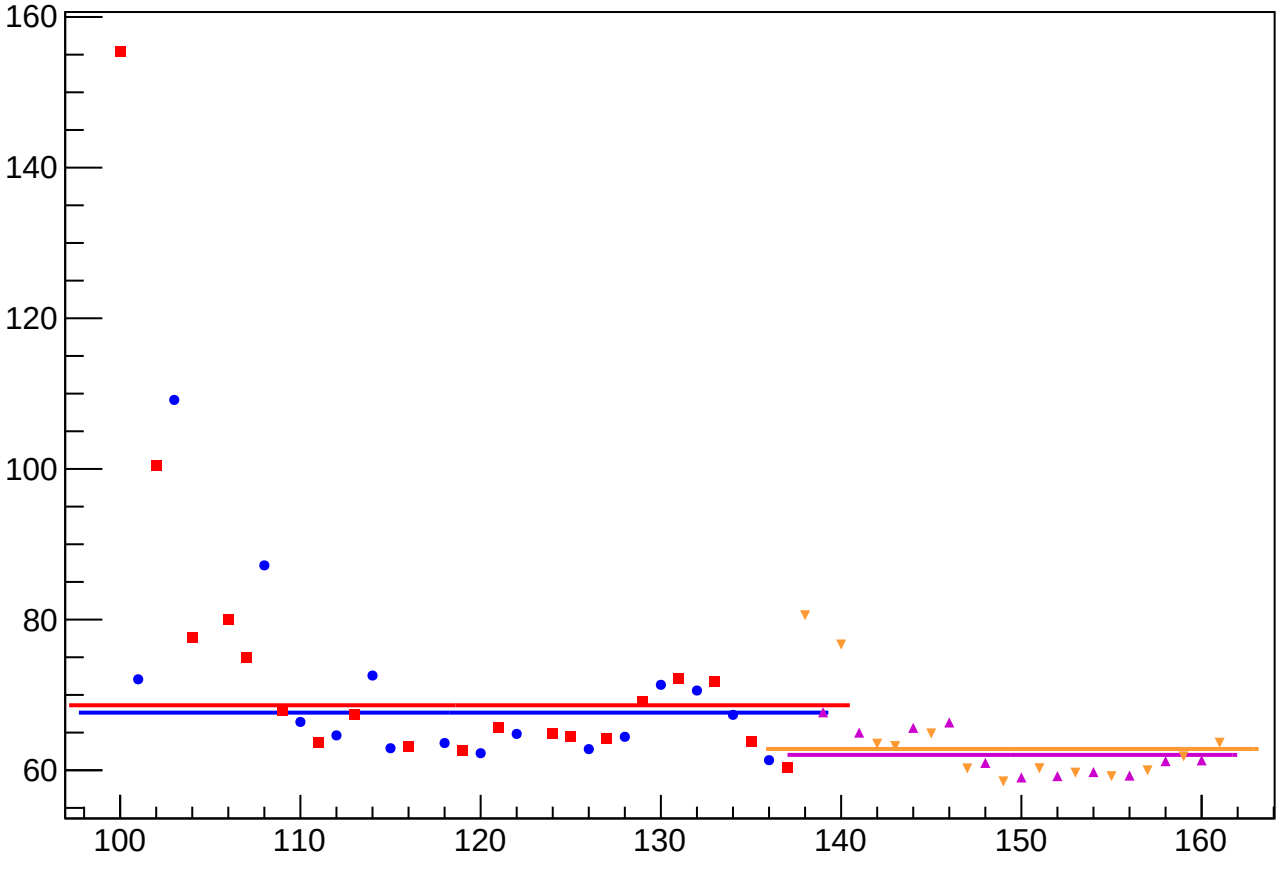
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.809+/-15.807 χ^2/NDF:42.3/26

Out: -184.688+/-15.571 χ^2/NDF:56.5/31

All: -191.643+/-11.093 χ^2/NDF: 99.2/58

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.829+/-0.014 χ^2/NDF:158992.8/12

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.039+/-0.014 χ^2/NDF:43822.8/10

Left: 62.443+/-0.010 χ^2/NDF: 204391.8/23

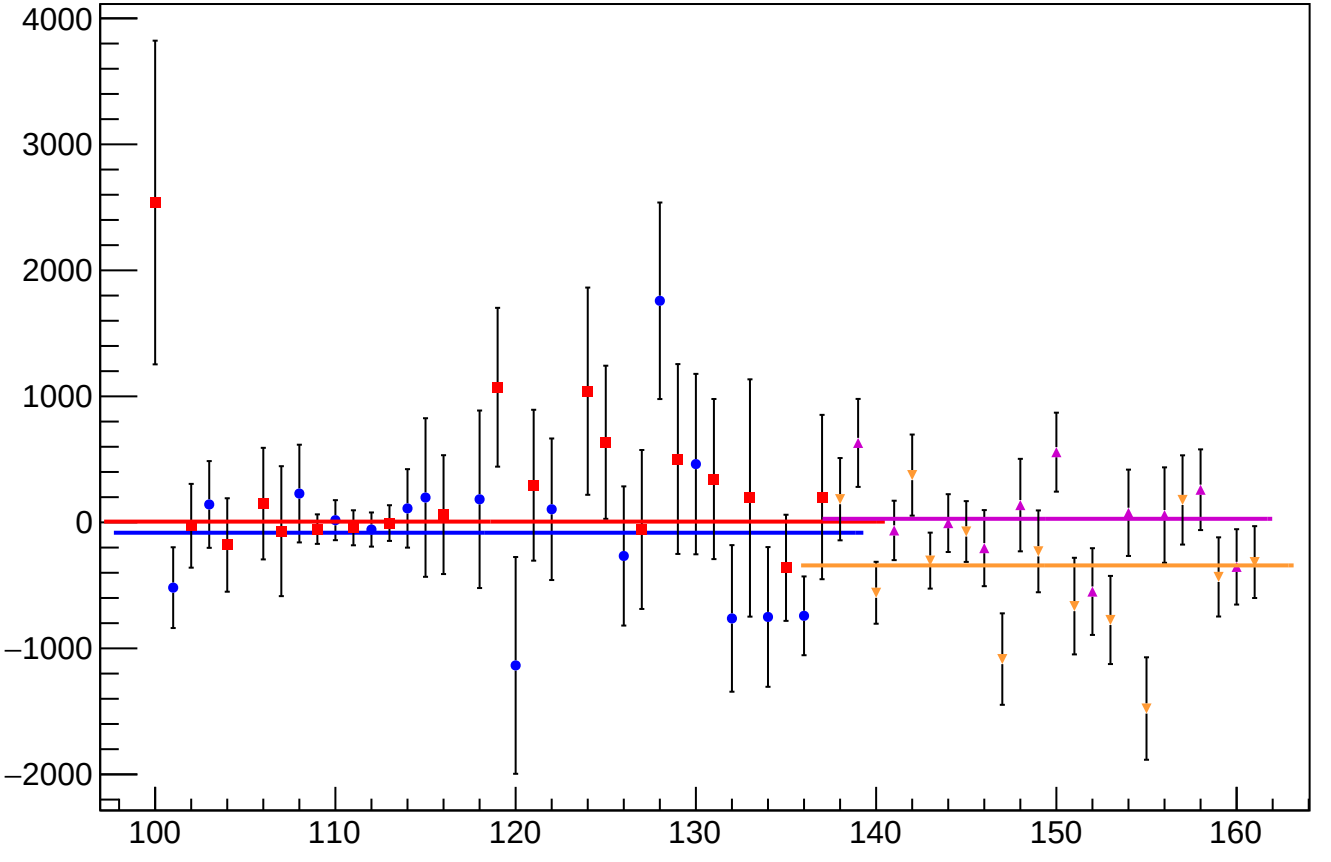
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.190+/-0.011 χ^2/NDF:367026.8/26

Out: 64.992+/-0.011 χ^2/NDF:471968.8/31

All: 64.597+/-0.008 χ^2/NDF: 841612.0/58

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -341.580+/-84.047 χ^2/NDF:26.2/12

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 28.258+/-91.809 χ^2/NDF:11.7/10

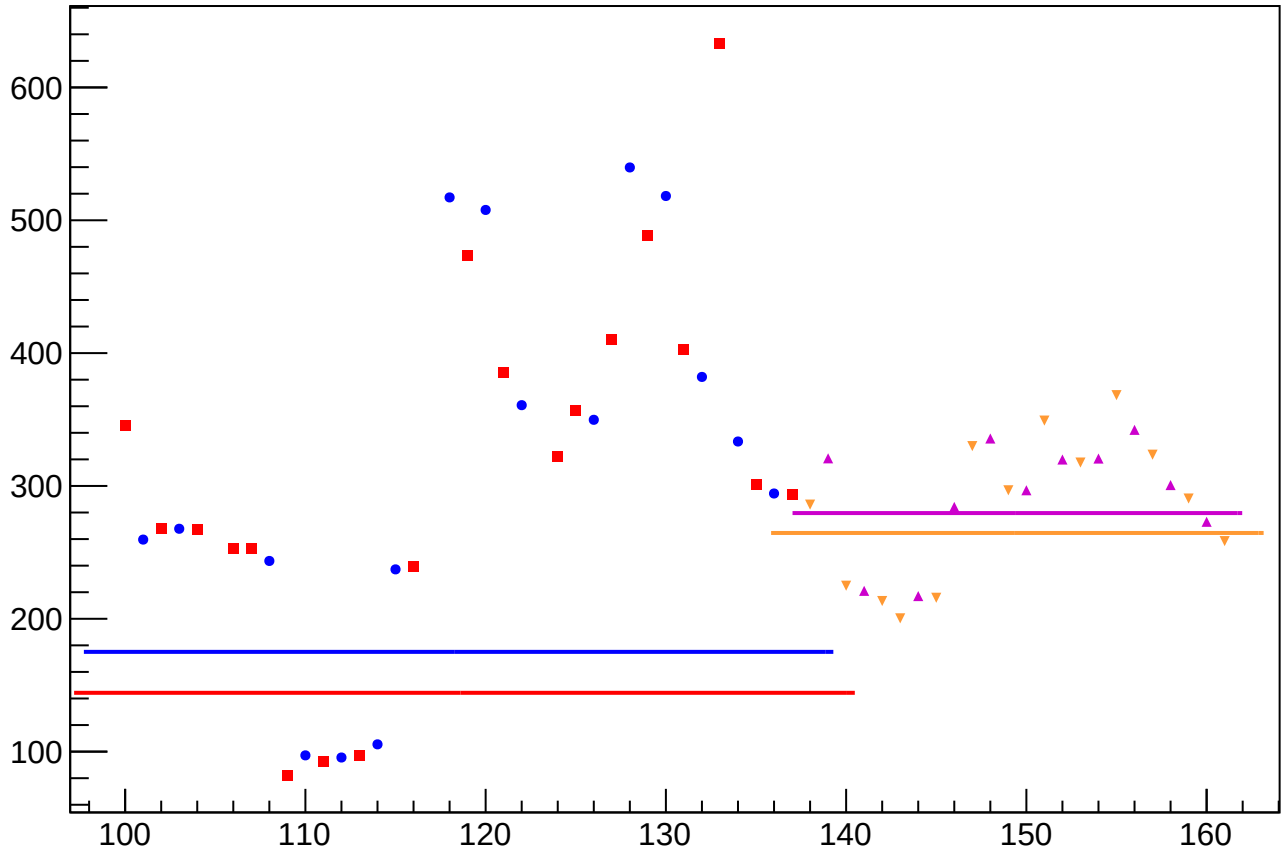
Left: -172.952+/-61.993 χ^2/NDF: 46.7/23

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.445+/-59.741 χ^2/NDF:31.7/26

Out: -126.318+/-51.864 χ^2/NDF:48.8/31

All: -87.263+/-39.164 χ^2/NDF: 81.9/58



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.608+/-0.059 χ^2/NDF:788750.1/12

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 279.583+/-0.065 χ^2/NDF:473393.0/10

Left: 271.436+/-0.044 χ^2/NDF: 1291093.0/23

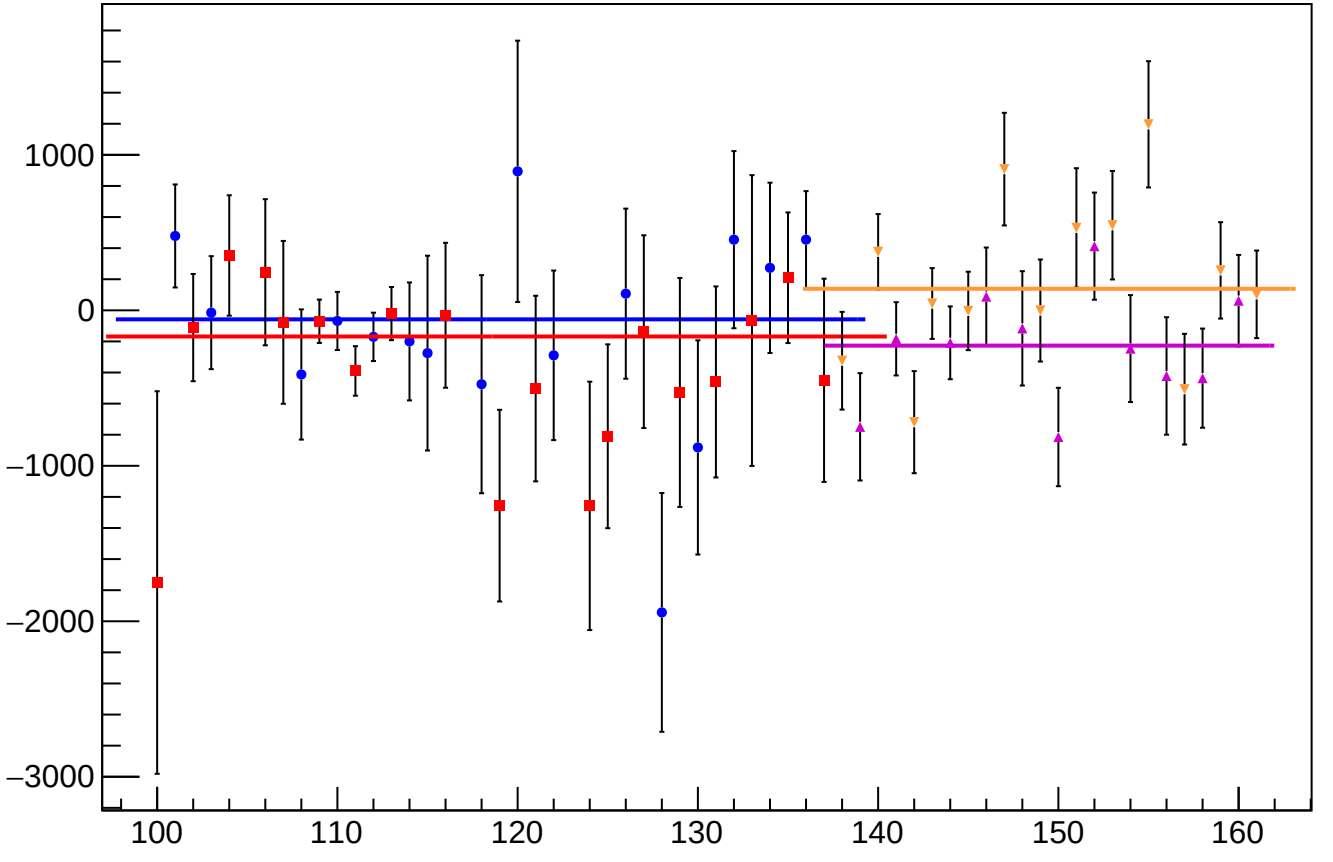
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 219.339+/-0.042 χ^2/NDF:6396072.0/26

Out: 190.097+/-0.037 χ^2/NDF:8459660.5/31

All: 202.665+/-0.028 χ^2/NDF: 15128965.0/58

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 138.794+/-84.430 χ^2/NDF:27.8/12

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -227.024+/-92.322 χ^2/NDF:12.0/10

Left: -27.815+/-62.305 χ^2/NDF: 48.3/23

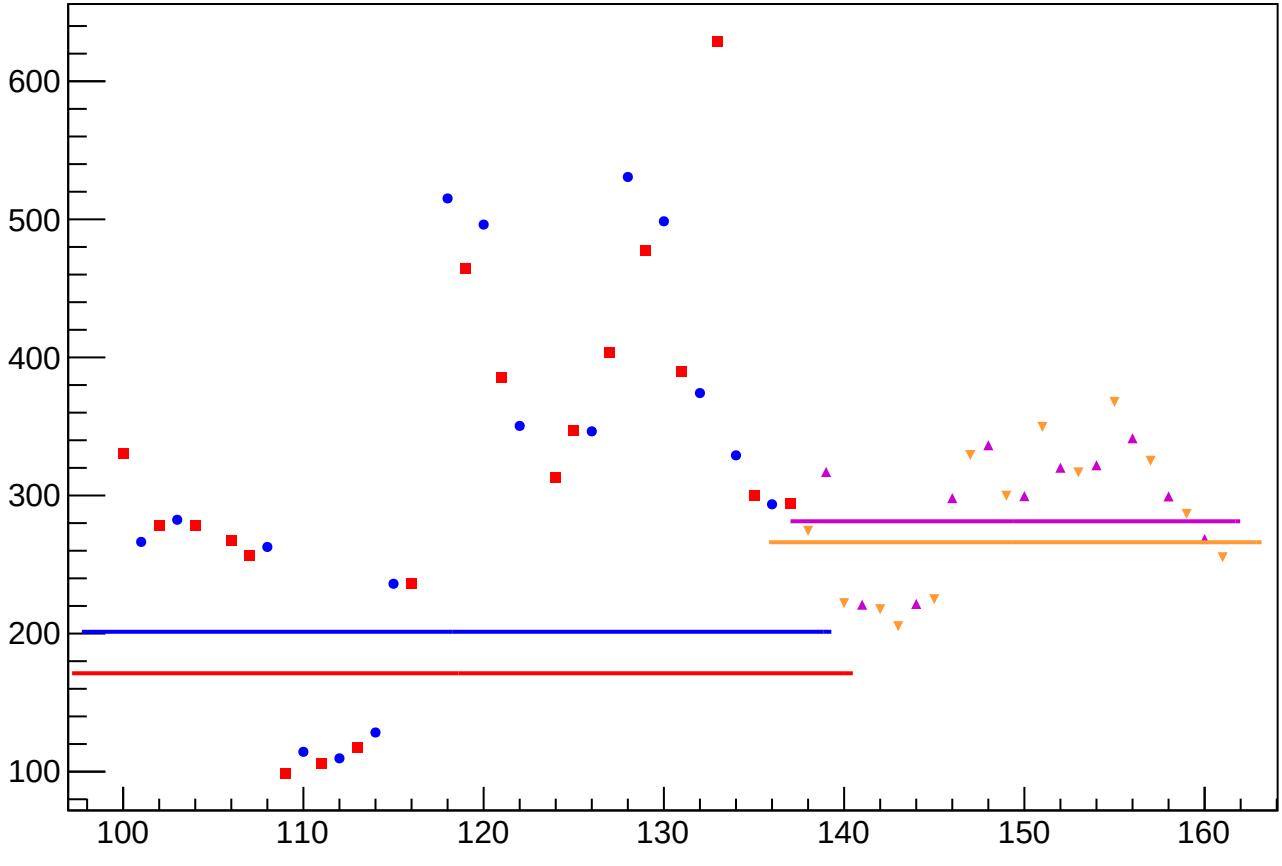
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -137.379+/-63.274 χ^2/NDF:31.1/26

Out: -33.680+/-55.903 χ^2/NDF:50.7/31

All: -79.140+/-41.894 χ^2/NDF: 83.4/58

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.133+/-0.060 χ^2/NDF:717939.4/12

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 281.315+/-0.065 χ^2/NDF:454598.1/10

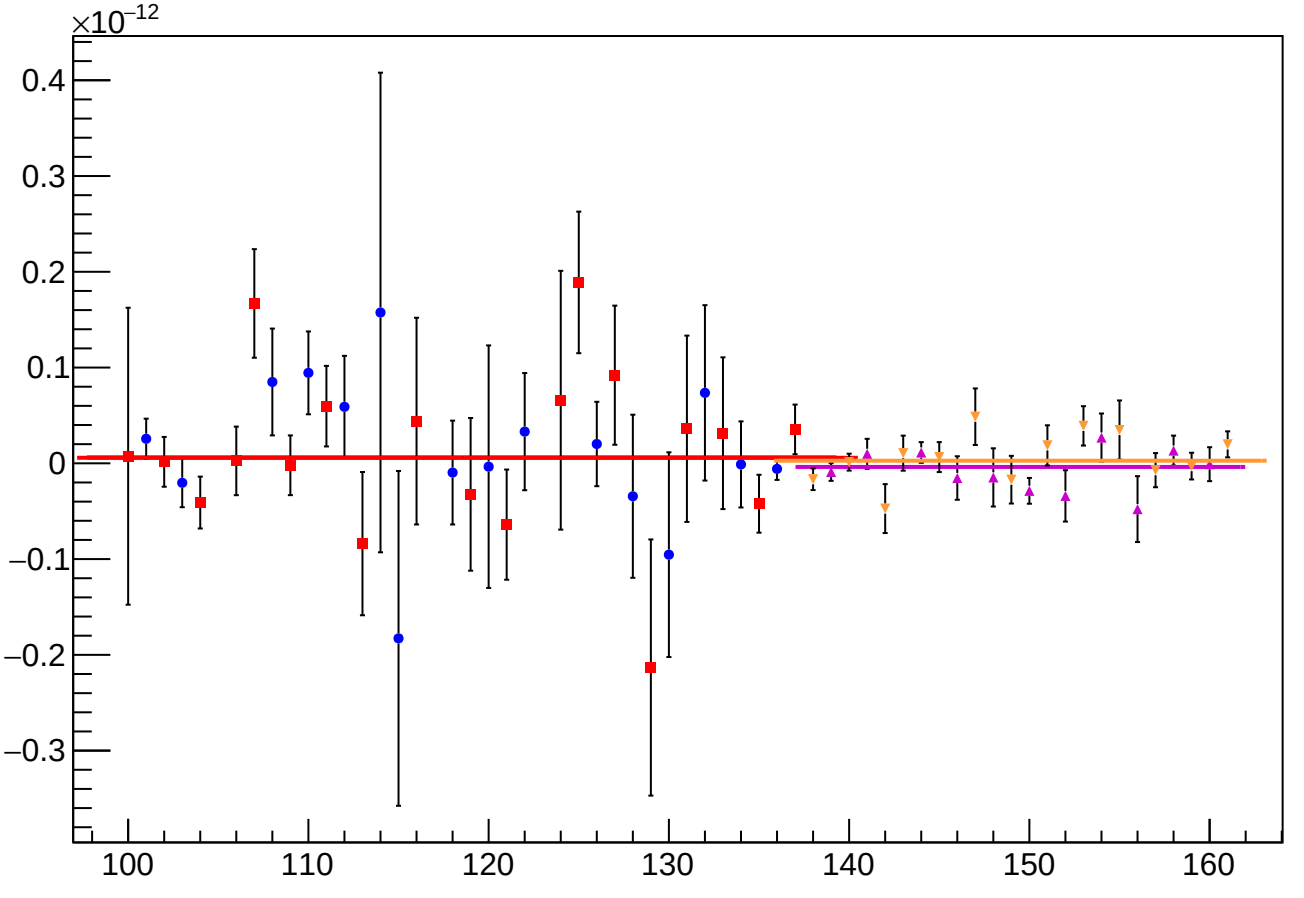
Left: 273.048+/-0.044 χ^2/NDF: 1201991.0/23

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 238.886+/-0.045 χ^2/NDF:4823434.1/26

Out: 212.848+/-0.040 χ^2/NDF:6328962.4/31

All: 224.263+/-0.030 χ^2/NDF: 11342597.0/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

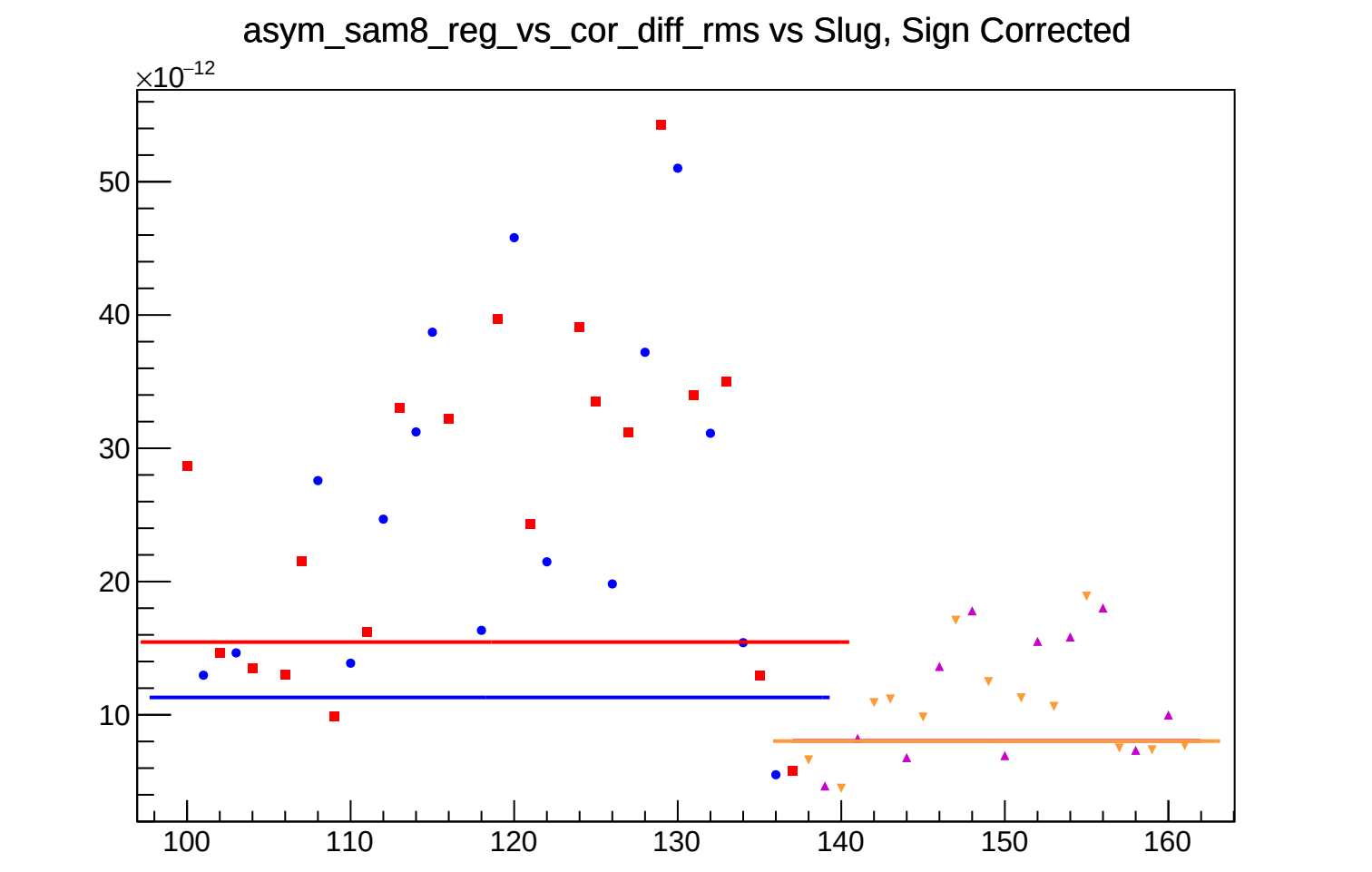
Left: -0.000+/-0.000 χ^2/NDF: 30.4/23

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.3/26

Out: 0.000+/-0.000 χ^2/NDF:47.5/31

All: 0.000+/-0.000 χ^2/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053661.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1179304.8/10

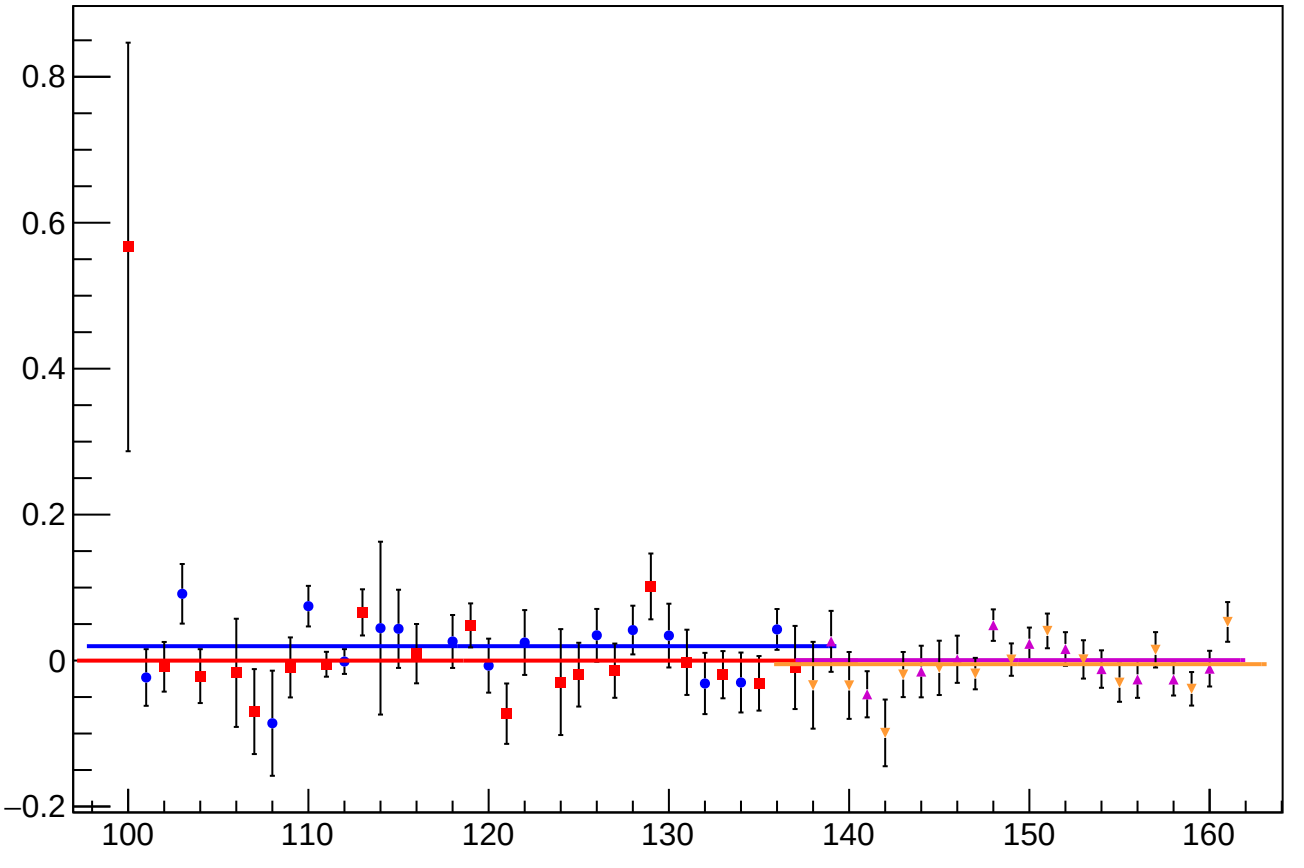
Left: 0.000+/-0.000 χ^2/NDF: 2232989.3/23

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:3200839.4/26

Out: 0.000+/-0.000 χ^2/NDF:3391858.7/31

All: 0.000+/-0.000 χ^2/NDF: 6599410.1/58



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/10

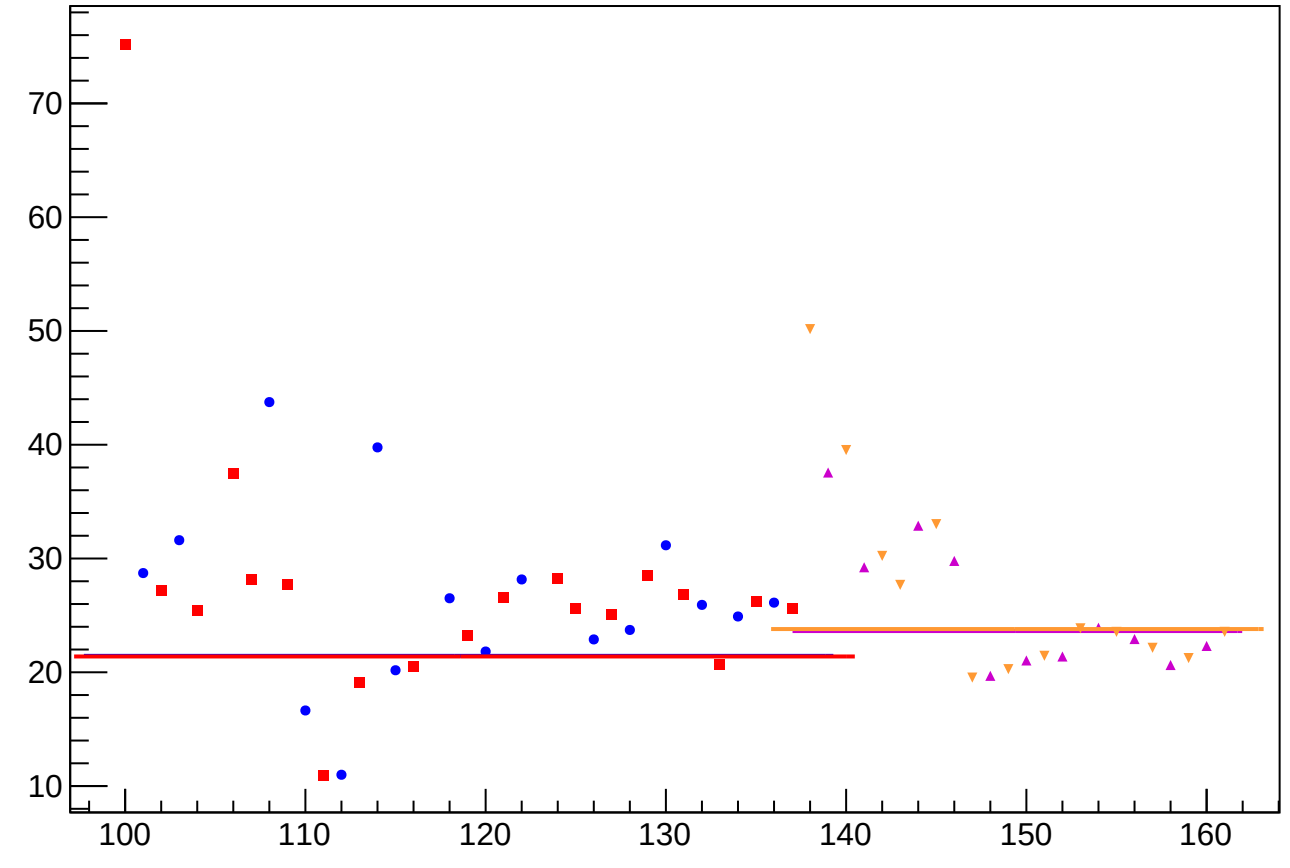
Left: -0.002+/-0.006 χ^2/NDF: 30.0/23

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.003+/-0.006 χ^2/NDF:40.6/31

All: 0.003+/-0.004 χ^2/NDF: 74.6/58



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005192.5/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

Left: 23.713+/-0.004 χ^2/NDF: 1657852.5/23

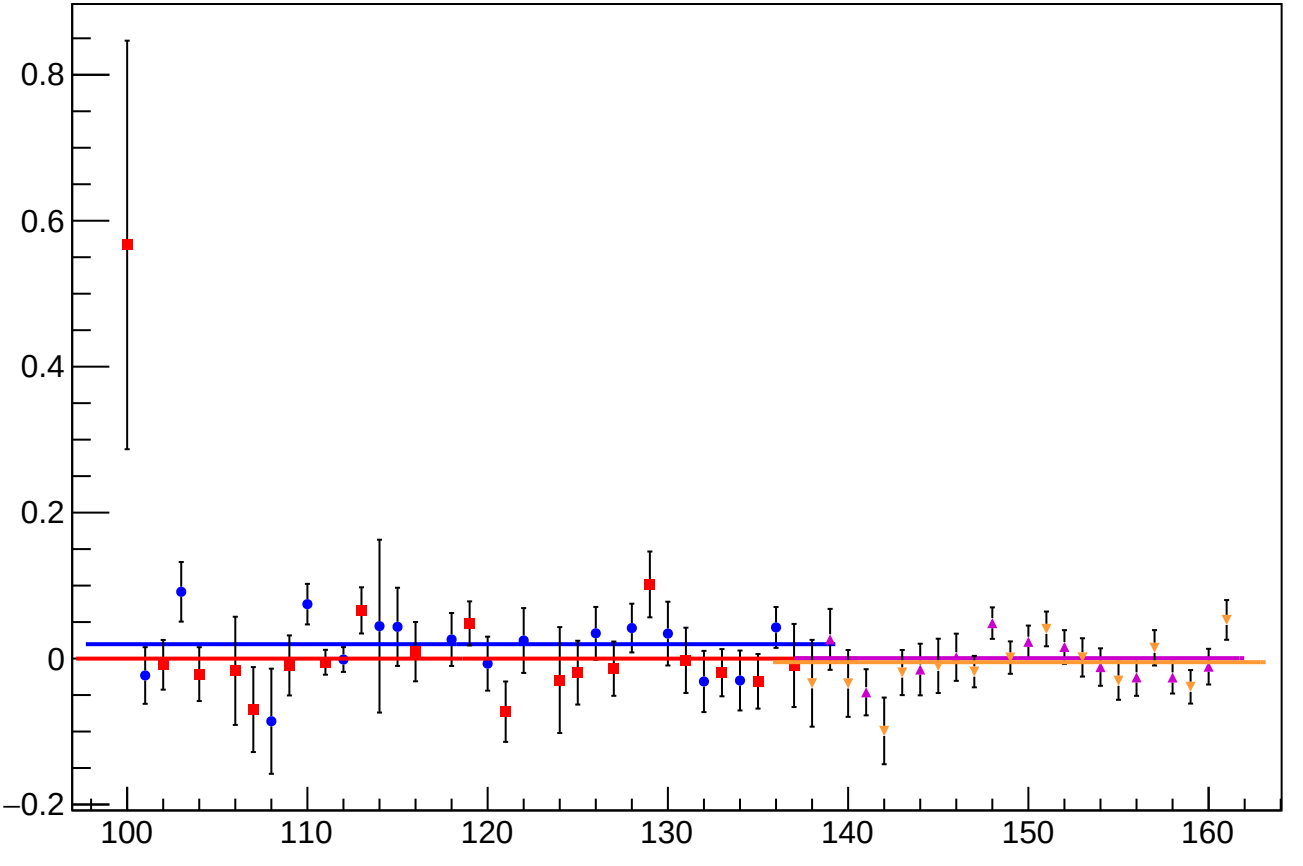
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.643+/-0.004 χ^2/NDF:2262178.4/26

Out: 22.712+/-0.004 χ^2/NDF:2405260.3/31

All: 22.678+/-0.003 χ^2/NDF: 4667584.5/58

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/10

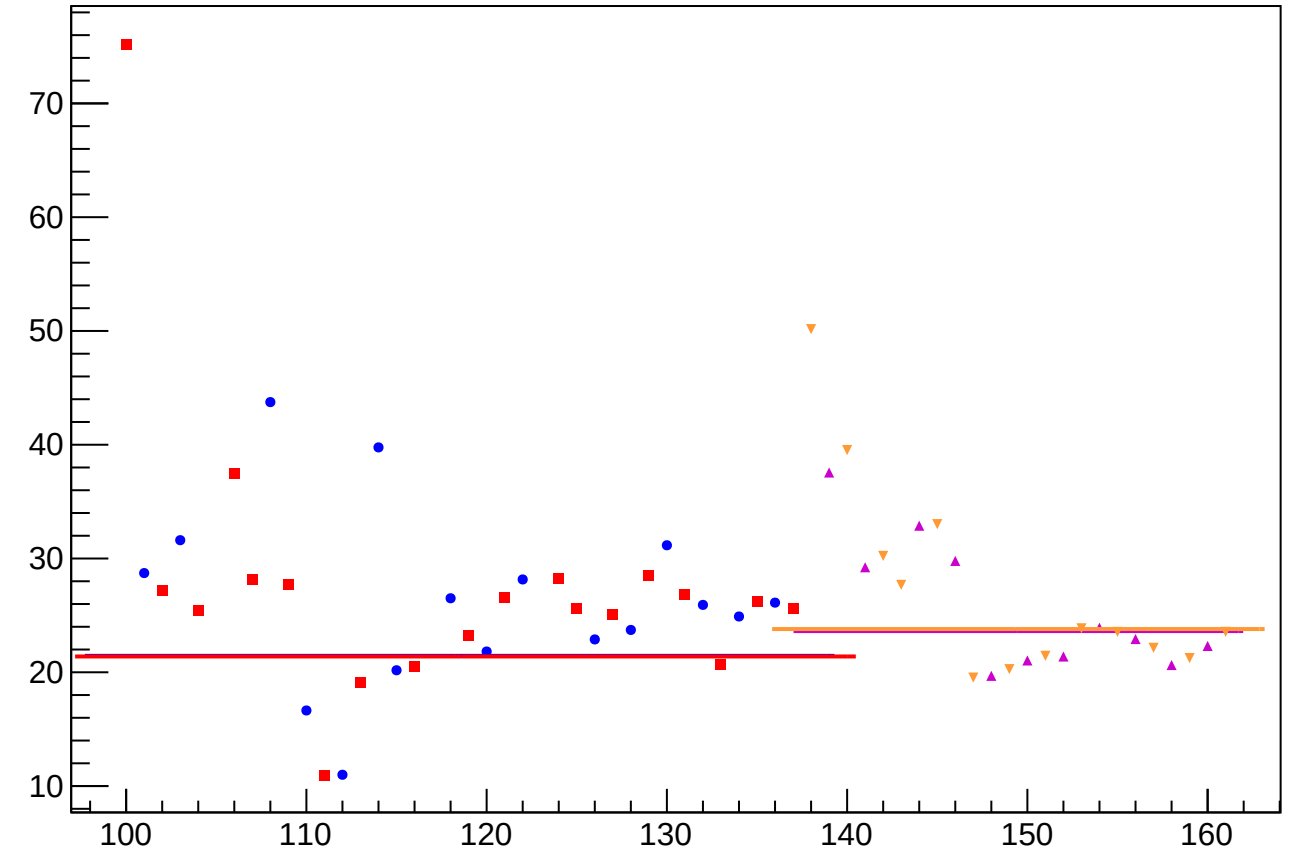
Left: -0.002+/-0.006 χ^2/NDF: 30.0/23

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.003+/-0.006 χ^2/NDF:40.6/31

All: 0.003+/-0.004 χ^2/NDF: 74.6/58



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005192.5/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

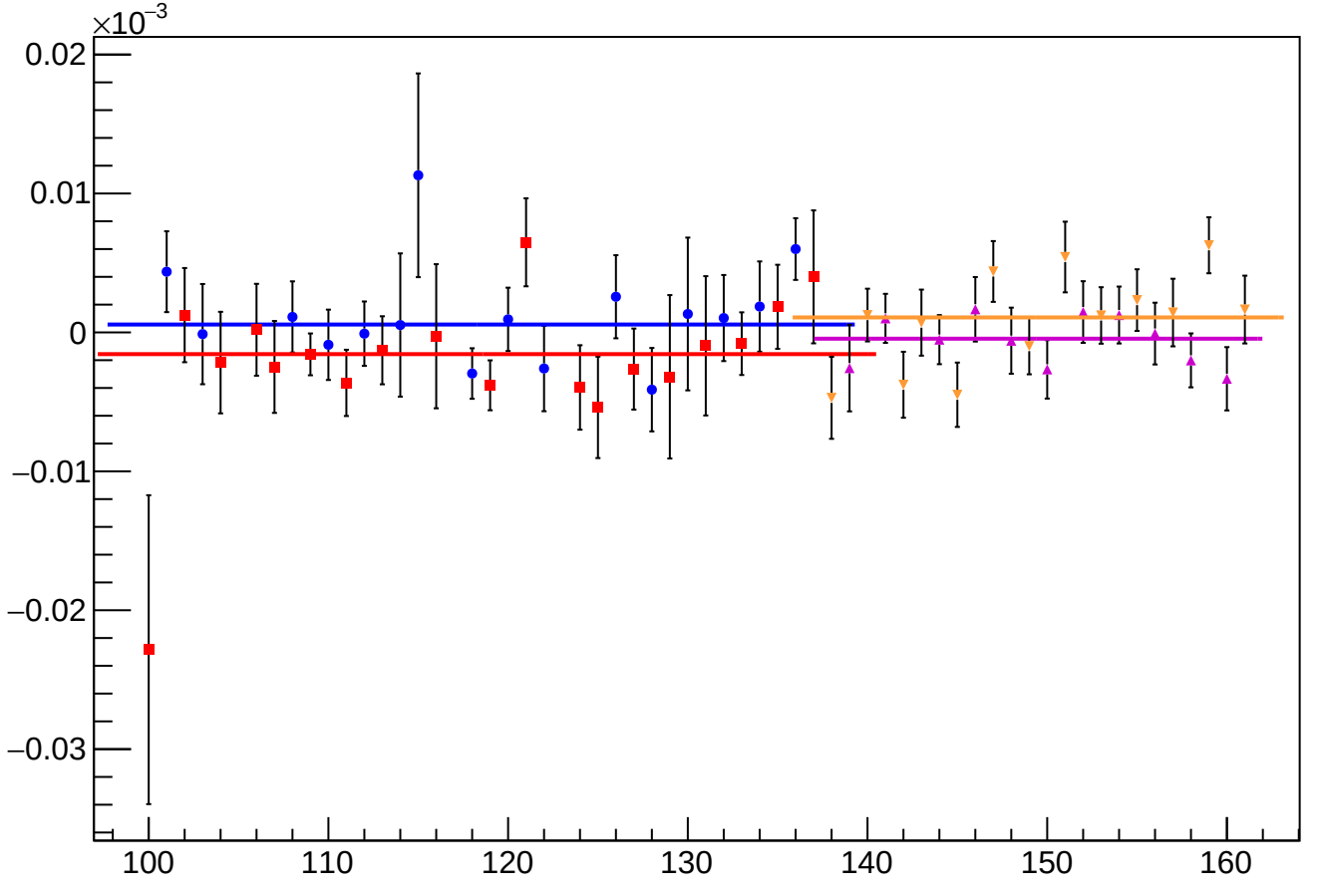
Left: 23.713+/-0.004 χ^2/NDF: 1657852.5/23

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.643+/-0.004 χ^2/NDF:2262178.4/26

Out: 22.712+/-0.004 χ^2/NDF:2405260.3/31

All: 22.678+/-0.003 χ^2/NDF: 4667584.5/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/10

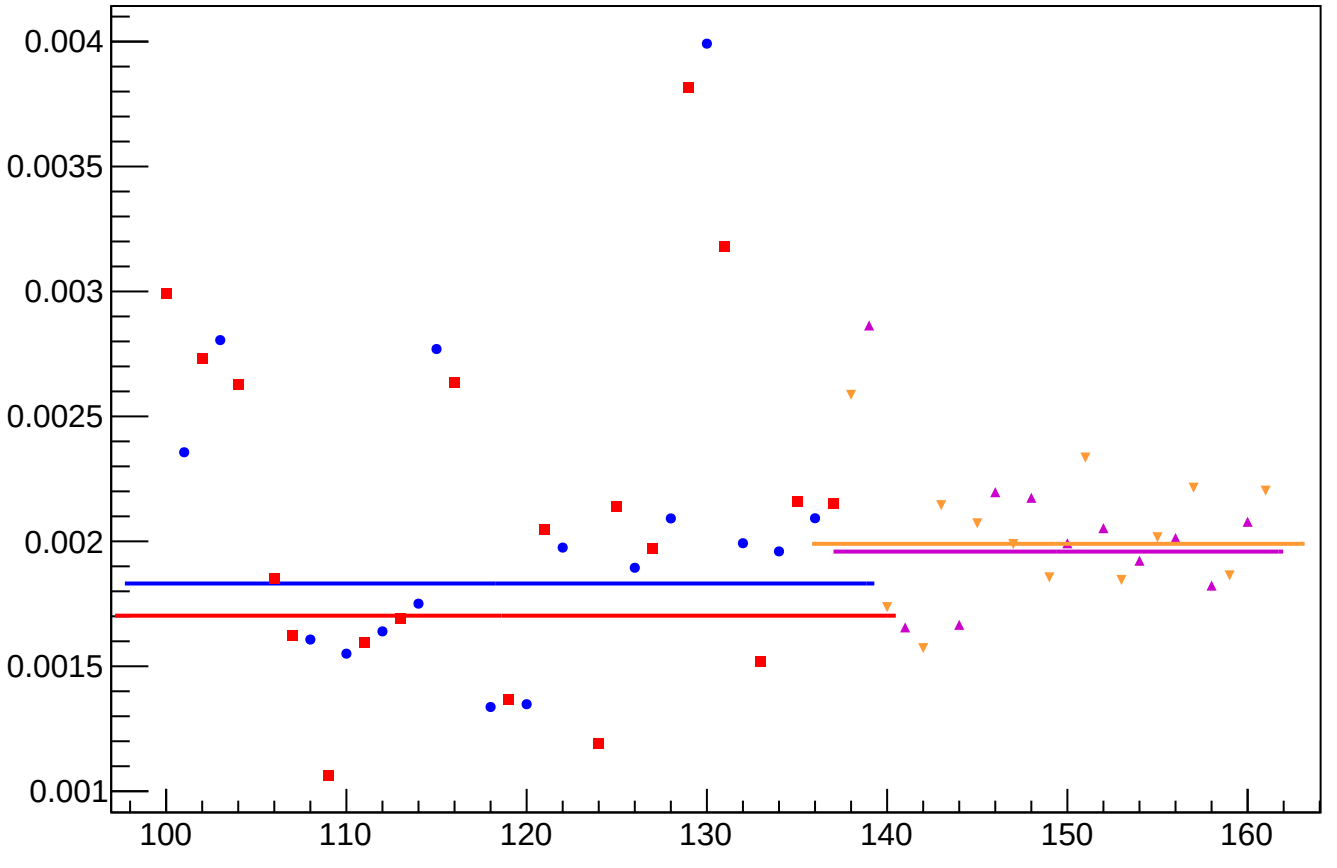
Left: 0.000+/-0.000 χ^2/NDF: 36.8/23

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:26.2/26

Out: -0.000+/-0.000 χ^2/NDF:53.8/31

All: -0.000+/-0.000 χ^2/NDF: 80.1/58



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:286147.5/12

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:341488.4/10

Left: 0.002+/-0.000 χ^2/NDF: 630063.8/23

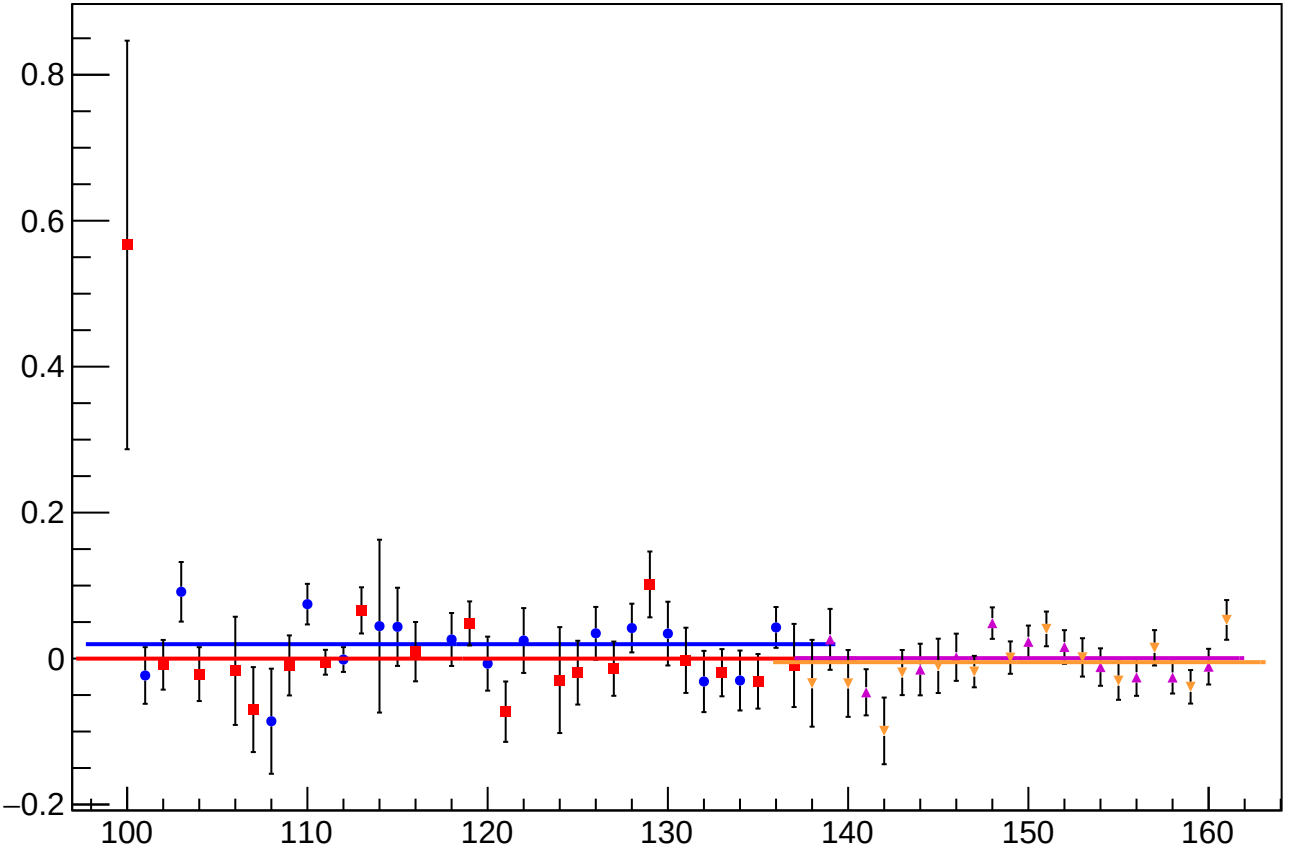
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1277743.6/26

Out: 0.002+/-0.000 χ^2/NDF:1965012.7/31

All: 0.002+/-0.000 χ^2/NDF: 3253076.6/58

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: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/10

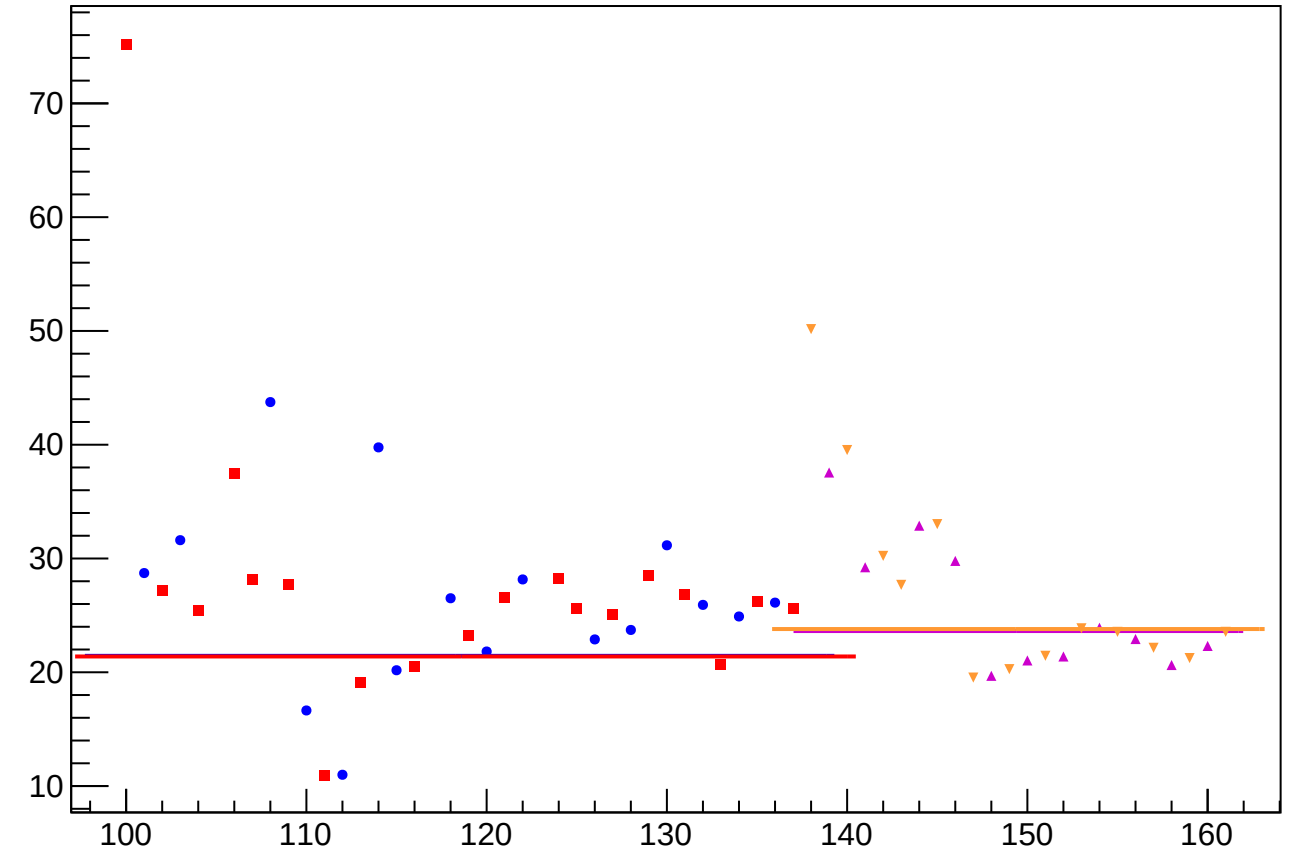
Left: -0.002+/-0.006 χ^2/NDF: 30.0/23

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.003+/-0.006 χ^2/NDF:40.6/31

All: 0.003+/-0.004 χ^2/NDF: 74.6/58



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005194.2/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

Left: 23.714+/-0.004 χ^2/NDF: 1657860.0/23

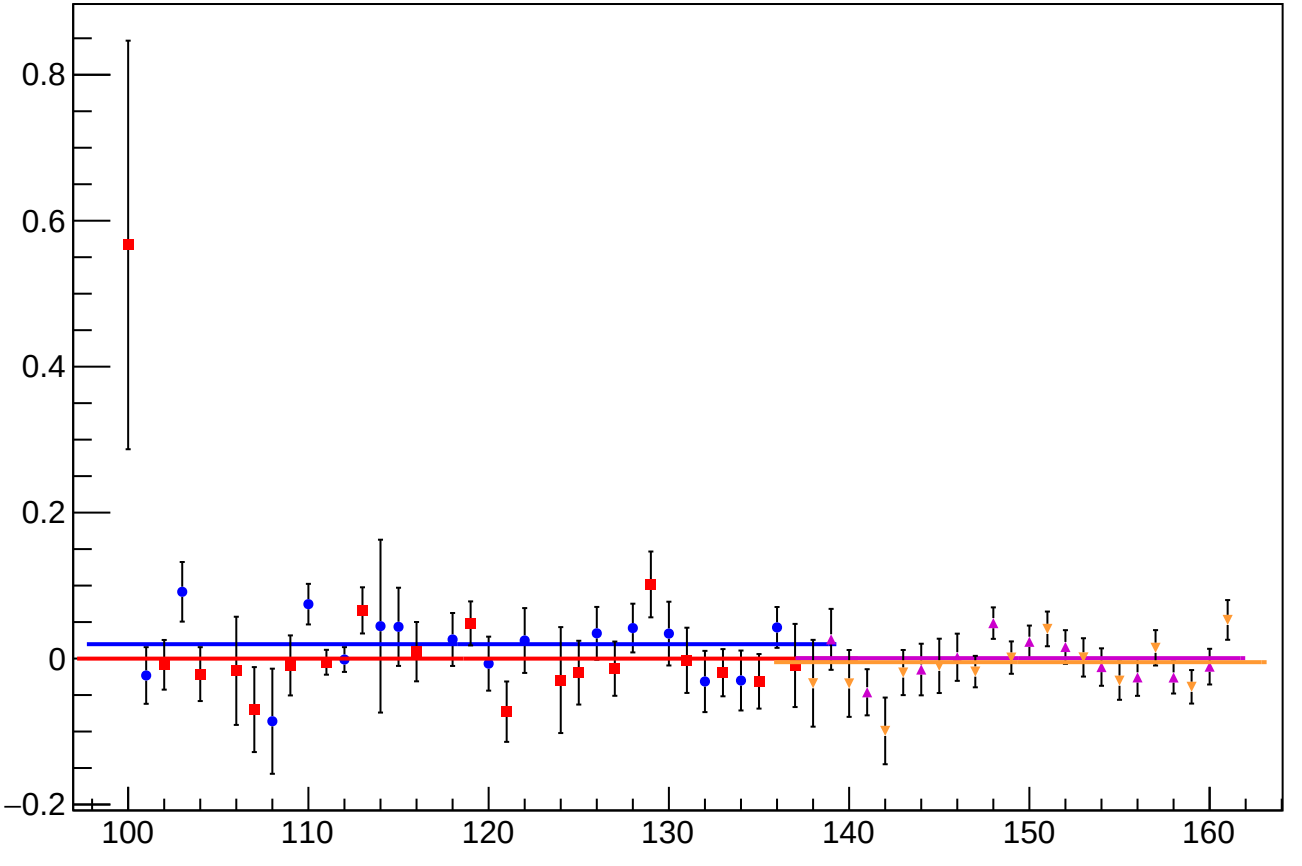
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.642+/-0.004 χ^2/NDF:2262382.3/26

Out: 22.712+/-0.004 χ^2/NDF:2405442.9/31

All: 22.678+/-0.003 χ^2/NDF: 4667971.1/58

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: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/10

Left: -0.002+/-0.006 χ^2/NDF: 30.0/23

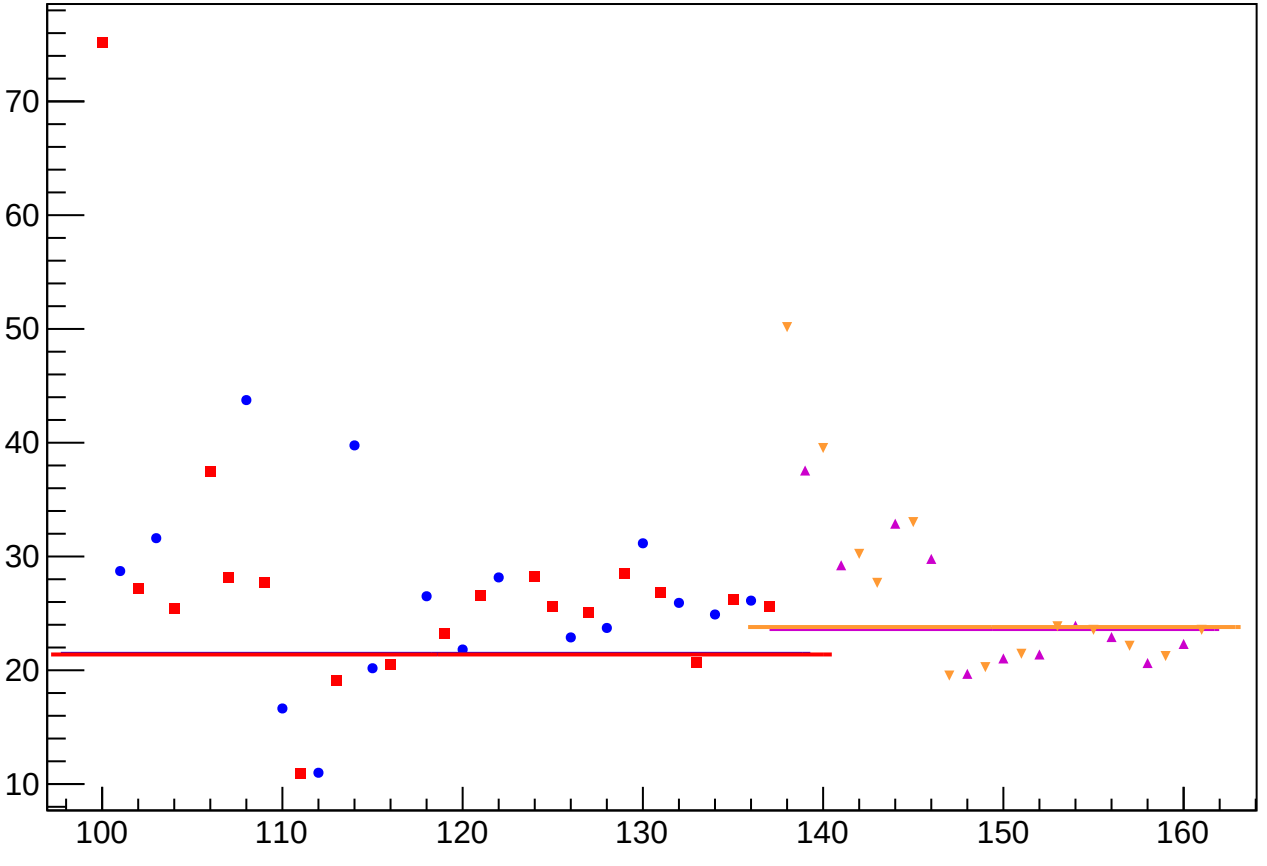
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/26

Out: -0.003+/-0.006 χ^2/NDF:40.6/31

All: 0.003+/-0.004 χ^2/NDF: 74.6/58

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005194.2/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

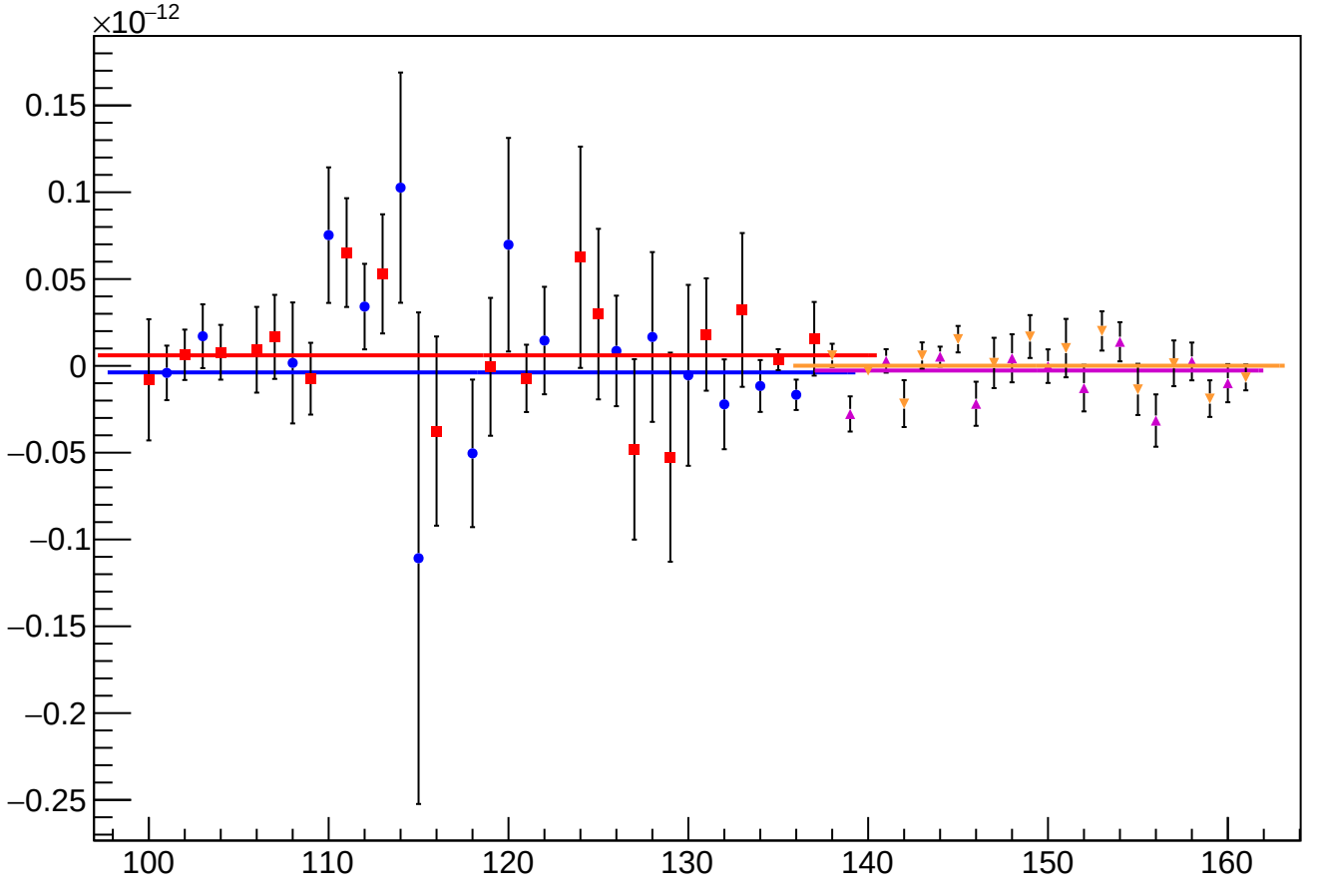
Left: 23.714+/-0.004 χ^2/NDF: 1657860.0/23

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.642+/-0.004 χ^2/NDF:2262382.3/26

Out: 22.712+/-0.004 χ^2/NDF:2405442.9/31

All: 22.678+/-0.003 χ^2/NDF: 4667971.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/10

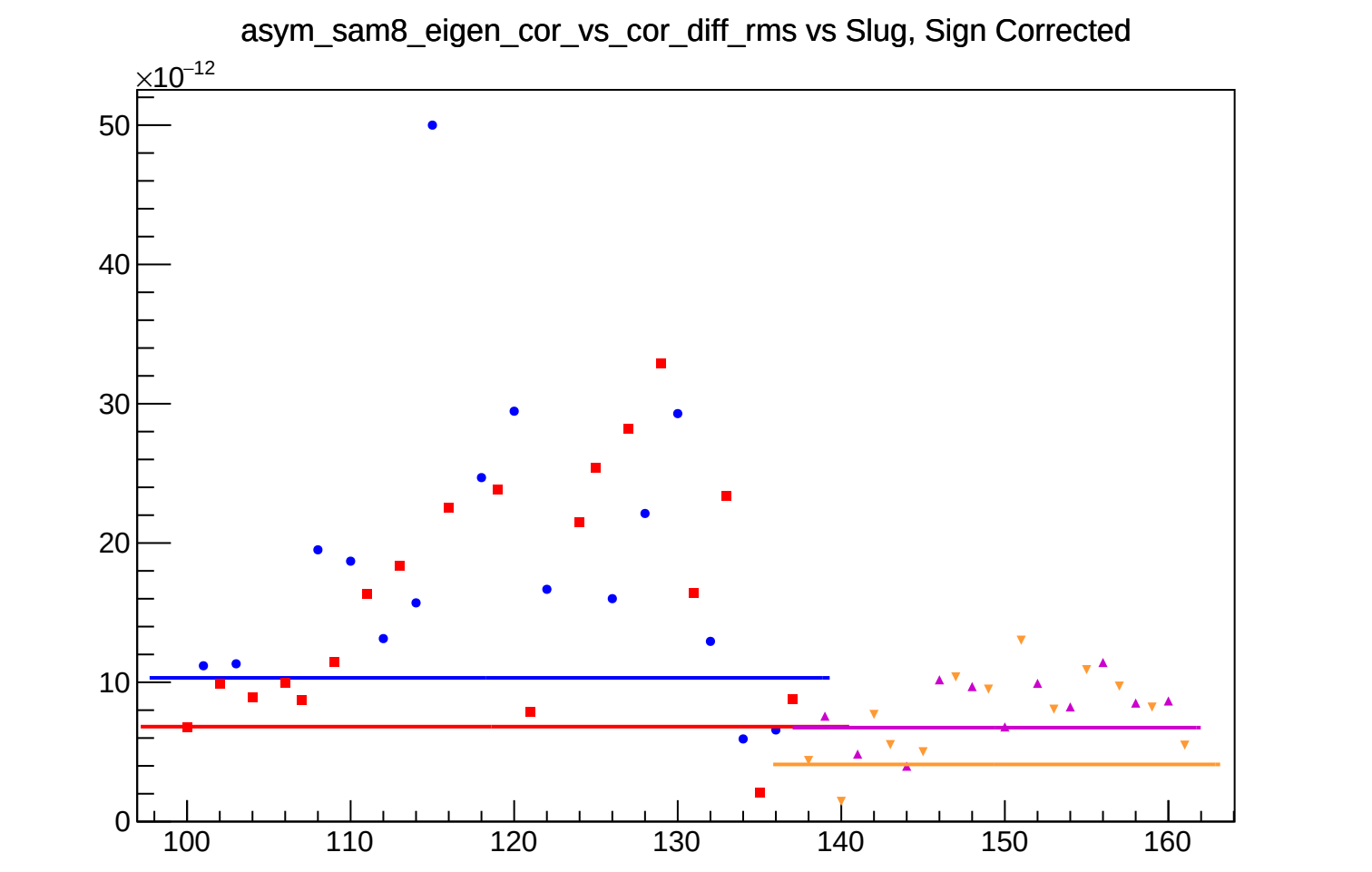
Left: -0.000+/-0.000 χ^2/NDF: 38.3/23

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:35.6/26

Out: 0.000+/-0.000 χ^2/NDF:32.2/31

All: -0.000+/-0.000 χ^2/NDF: 69.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4671440.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1329021.2/10

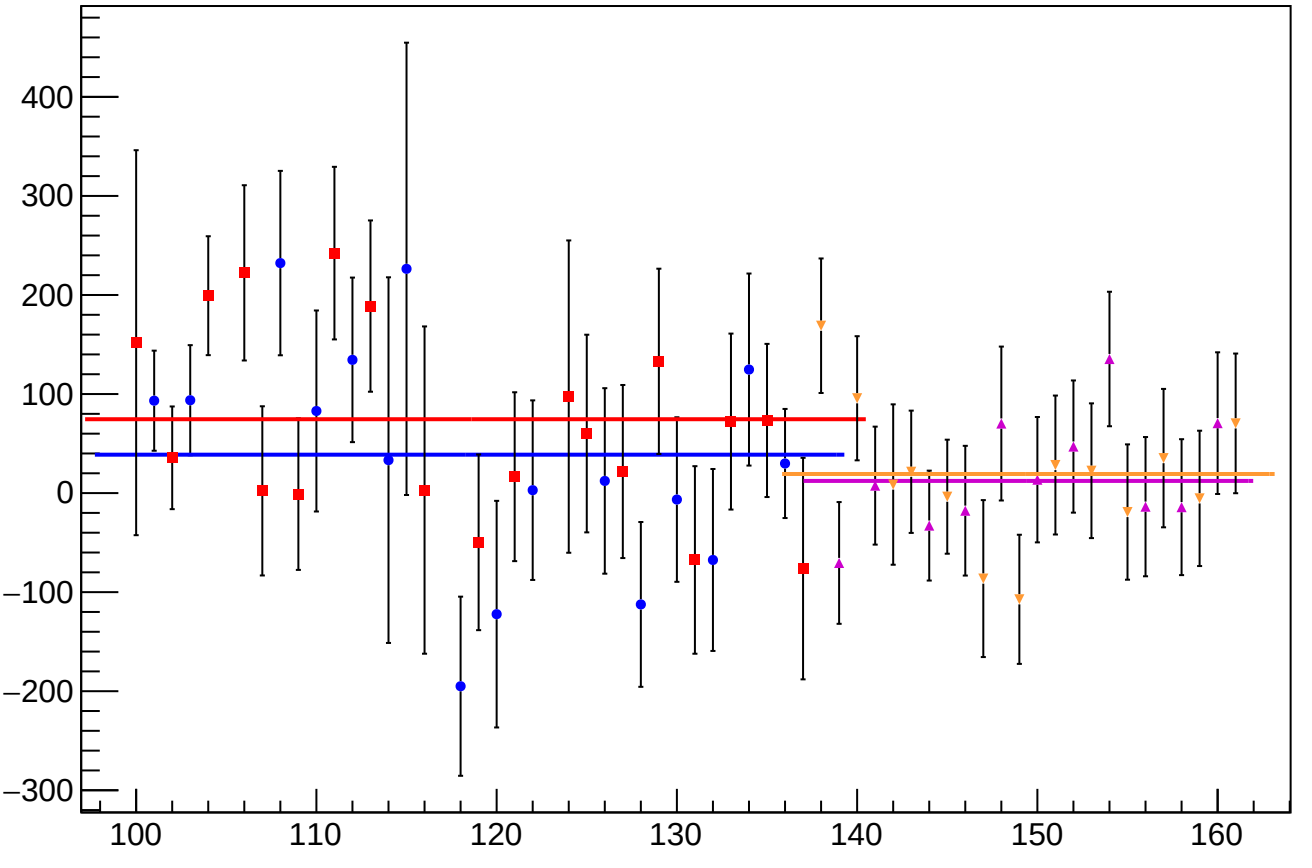
Left: 0.000+/-0.000 χ^2/NDF: 7114301.9/23

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:3941367.6/26

Out: 0.000+/-0.000 χ^2/NDF:9335761.8/31

All: 0.000+/-0.000 χ^2/NDF: 15005446.6/58



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.281+/-18.775 χ^2/NDF:13.1/12

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 12.291+/-19.718 χ^2/NDF:7.8/10

Left: 15.957+/-13.597 χ^2/NDF: 20.9/23

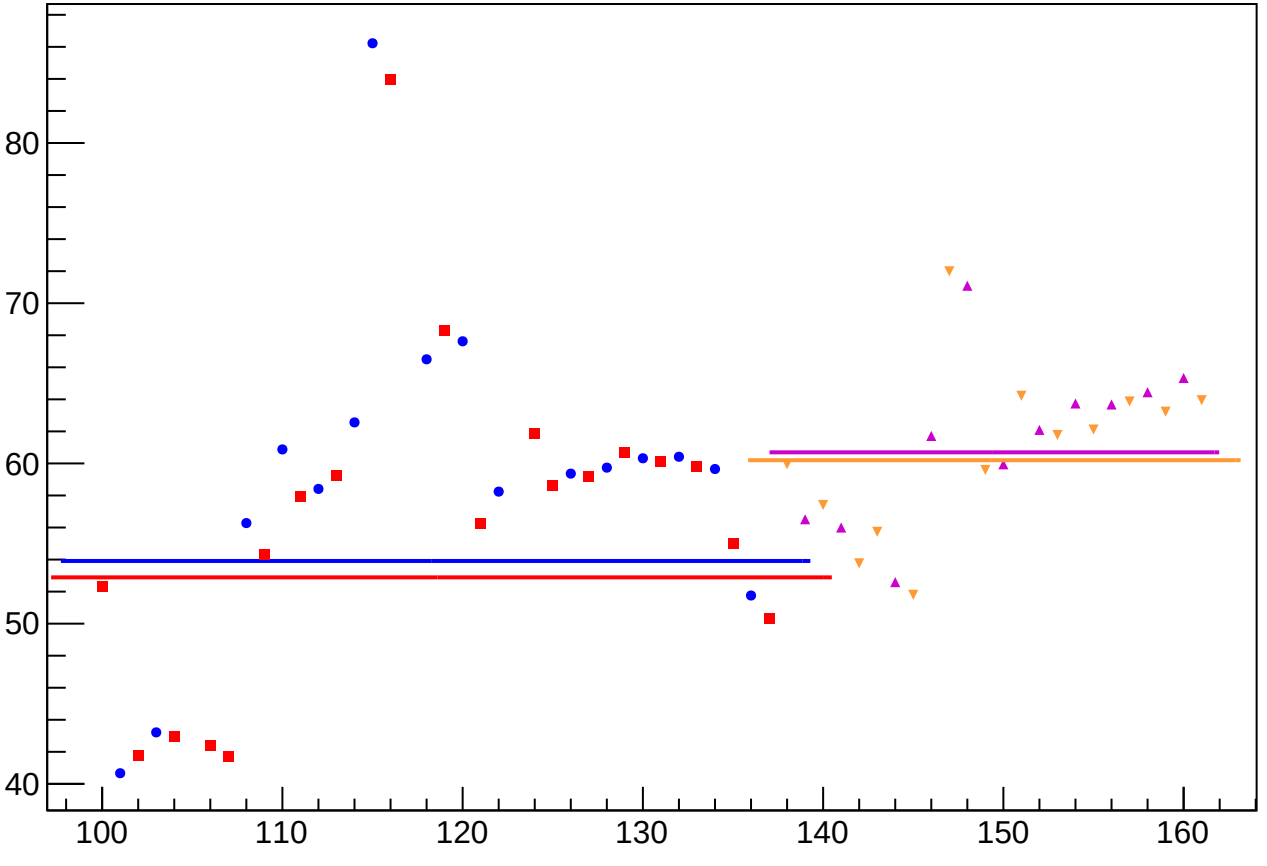
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.078+/-14.182 χ^2/NDF:31.9/26

Out: 45.459+/-13.624 χ^2/NDF:39.7/31

All: 35.677+/-9.825 χ^2/NDF: 72.7/58

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

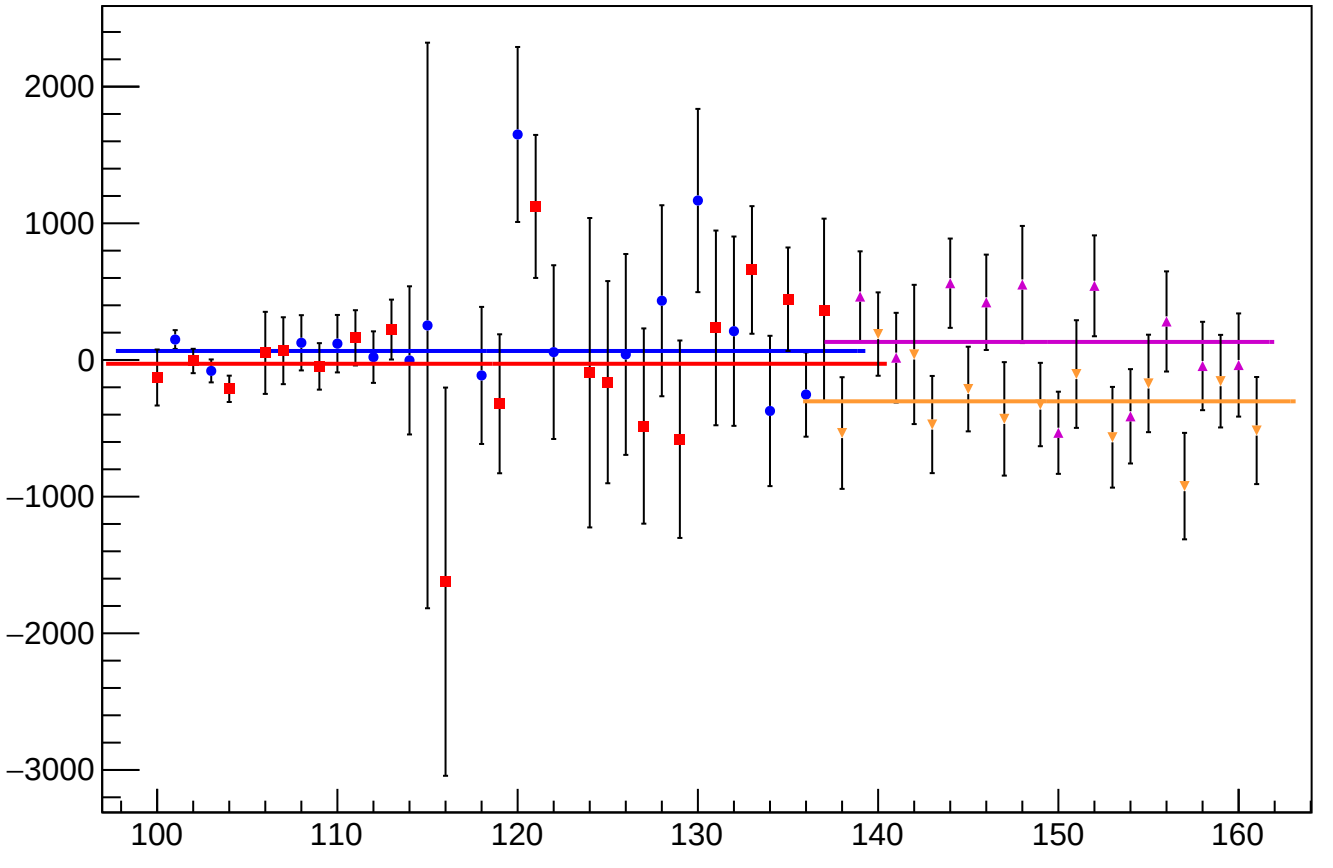
Left: 60.435+/-0.010 χ^2/NDF: 262924.4/23

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.420+/-0.010 χ^2/NDF:631231.4/26

Out: 56.739+/-0.010 χ^2/NDF:707303.3/31

All: 57.066+/-0.007 χ^2/NDF: 1340930.1/58



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -302.552+/-100.520 χ^2/NDF:7.7/12

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 132.025+/-104.099 χ^2/NDF:13.8/10

Left: -92.861+/-72.311 χ^2/NDF: 30.5/23

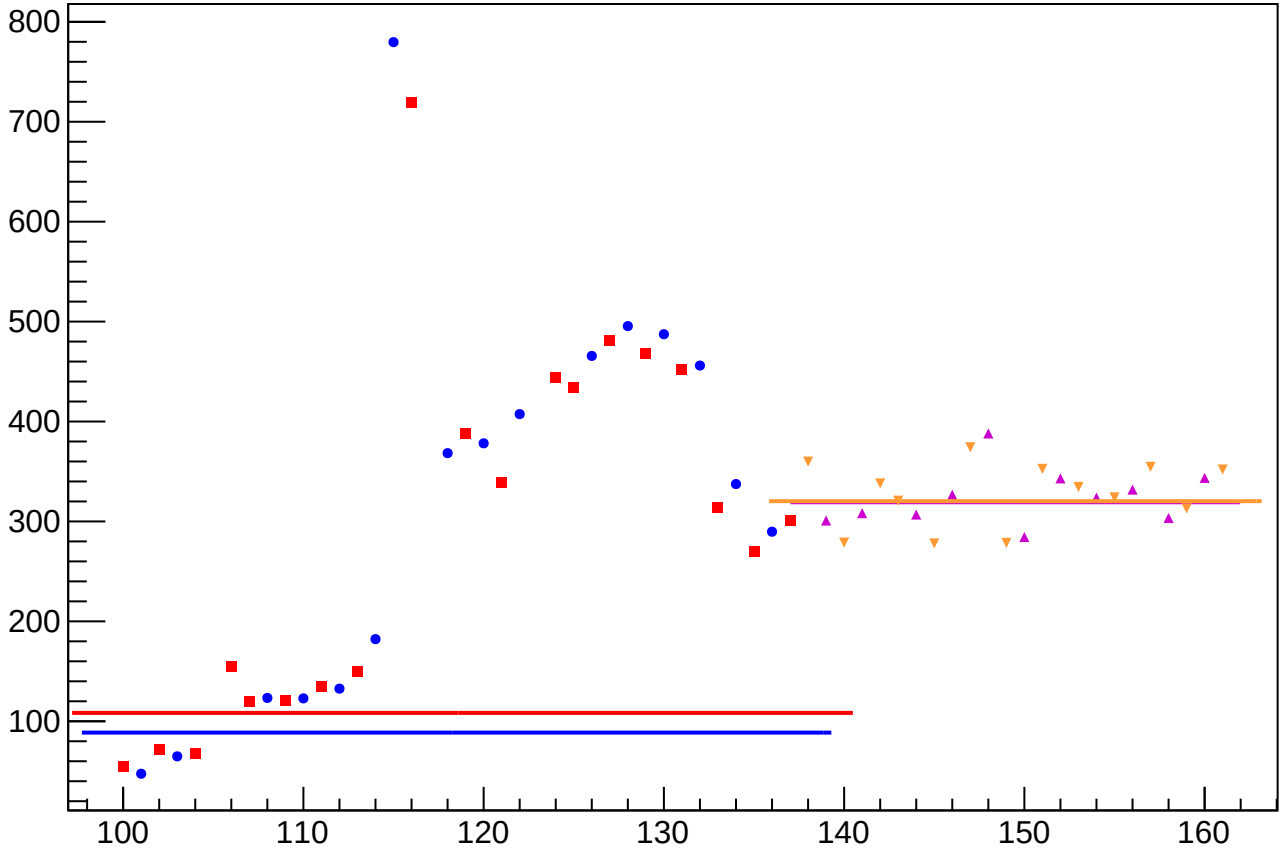
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 76.852+/-42.440 χ^2/NDF:29.8/26

Out: -82.845+/-44.976 χ^2/NDF:31.7/31

All: 1.632+/-30.867 χ^2/NDF: 68.2/58

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 320.284+/-0.071 χ^2/NDF:212921.2/12

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 319.179+/-0.074 χ^2/NDF:114767.4/10

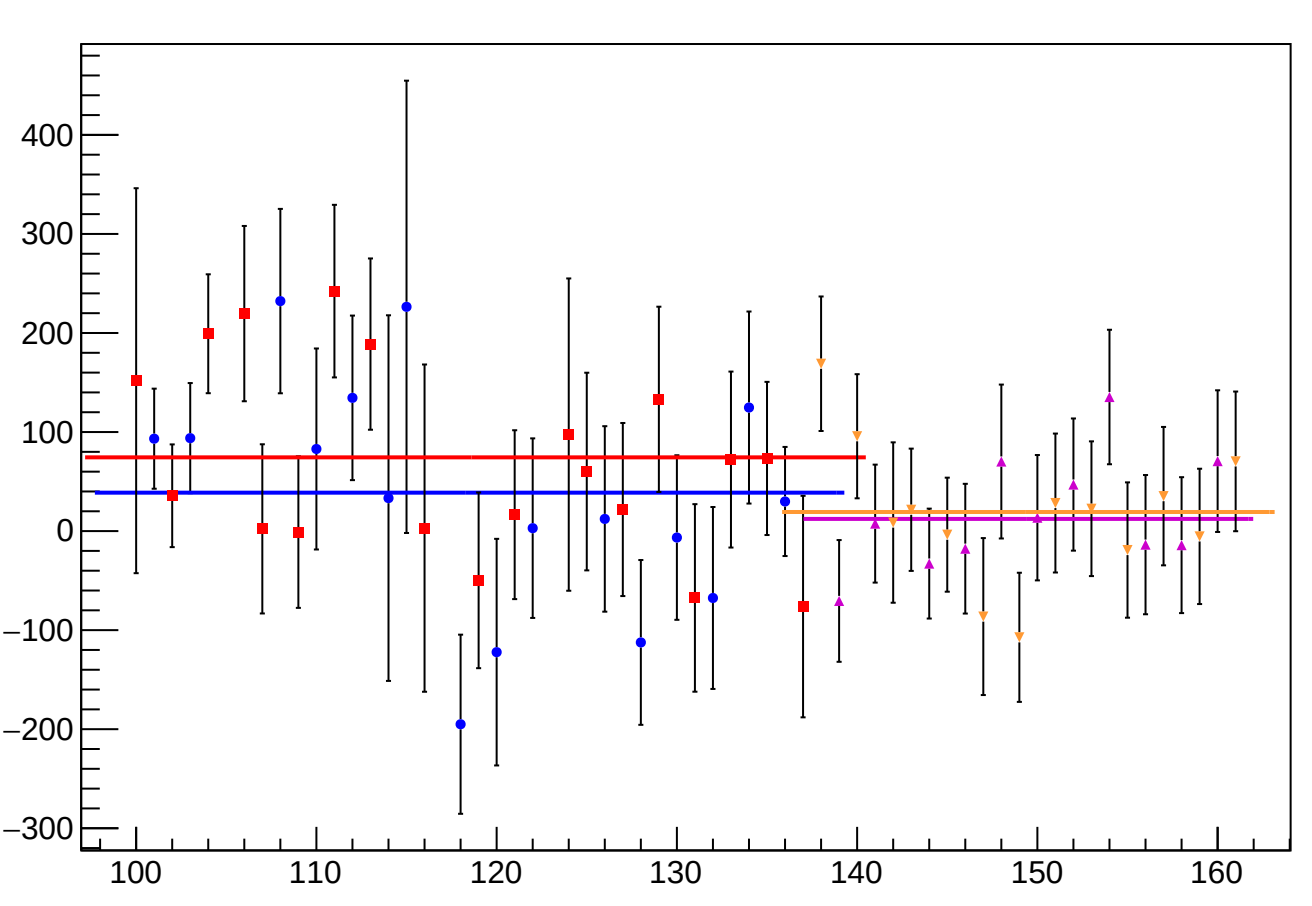
Left: 319.750+/-0.051 χ^2/NDF: 327805.2/23

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 126.973+/-0.030 χ^2/NDF:14940160.8/26

Out: 150.807+/-0.032 χ^2/NDF:12683950.7/31

All: 138.199+/-0.022 χ^2/NDF: 27921195.9/58



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.280+/-18.775 χ^2/NDF:13.1/12

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 12.292+/-19.718 χ^2/NDF:7.8/10

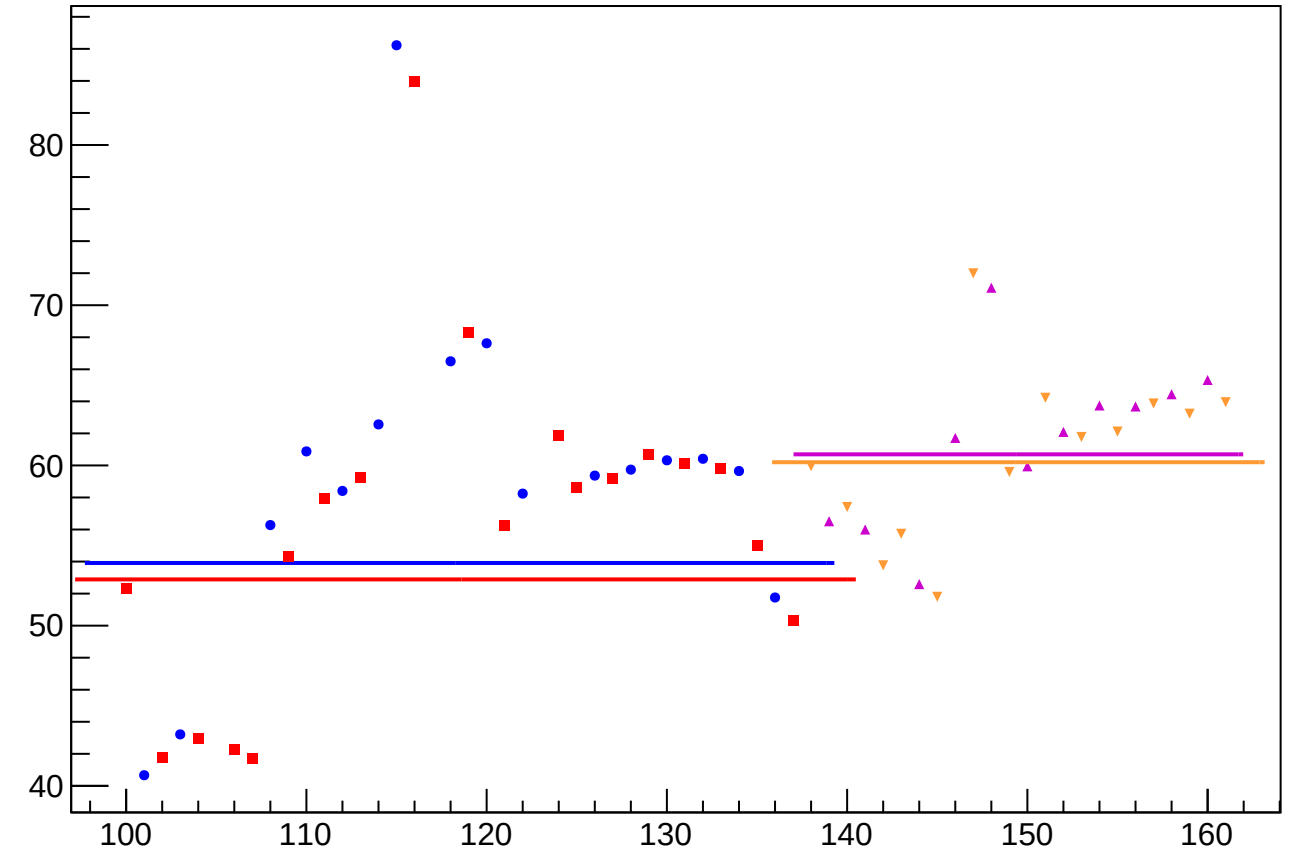
Left: 15.957+/-13.597 χ^2/NDF: 20.9/23

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.084+/-14.182 χ^2/NDF:31.9/26

Out: 45.392+/-13.625 χ^2/NDF:39.5/31

All: 35.645+/-9.825 χ^2/NDF: 72.5/58



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

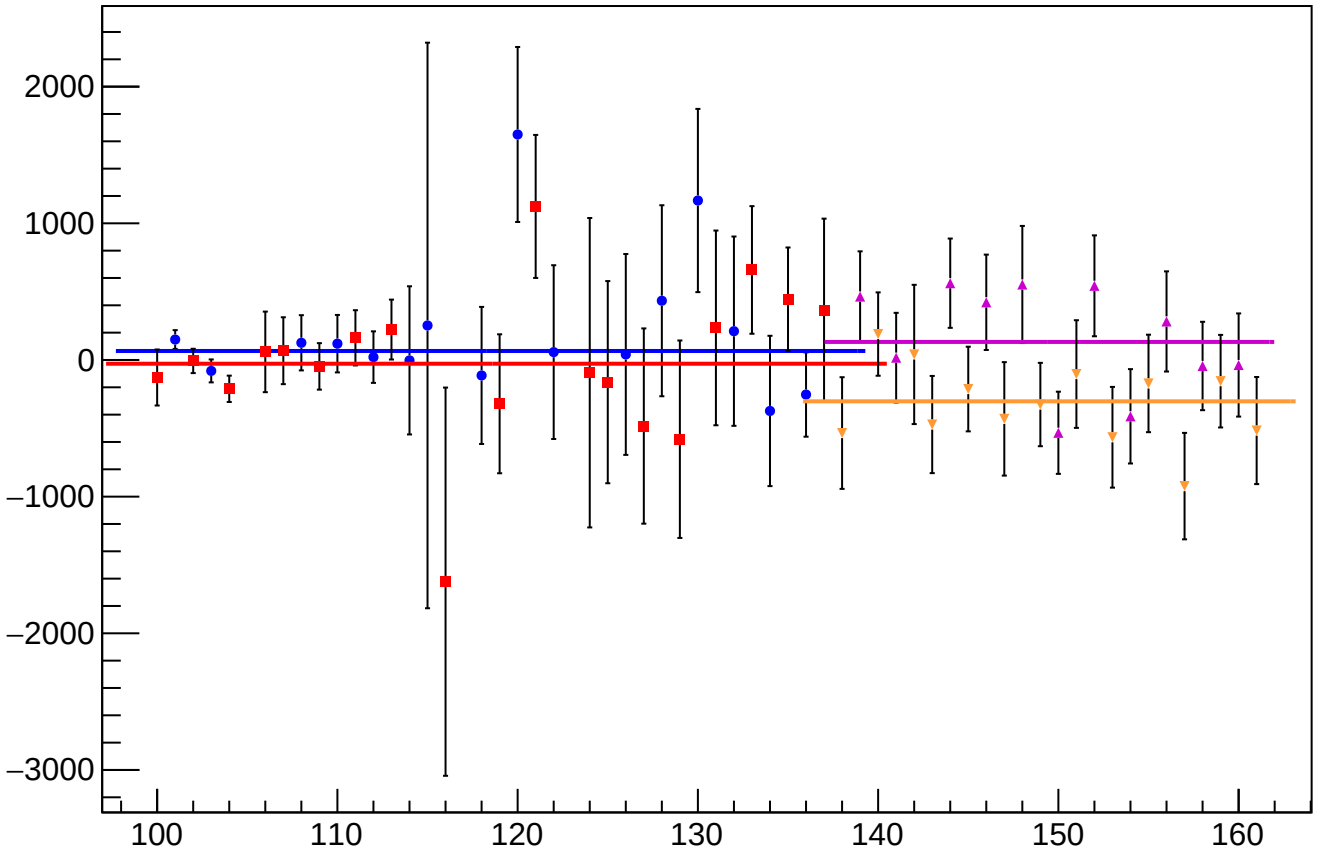
Left: 60.435+/-0.010 χ^2/NDF: 262924.4/23

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.420+/-0.010 χ^2/NDF:631230.5/26

Out: 56.739+/-0.010 χ^2/NDF:707688.3/31

All: 57.066+/-0.007 χ^2/NDF: 1341319.9/58



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -302.553+/-100.520 χ^2/NDF:7.7/12

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 132.025+/-104.099 χ^2/NDF:13.8/10

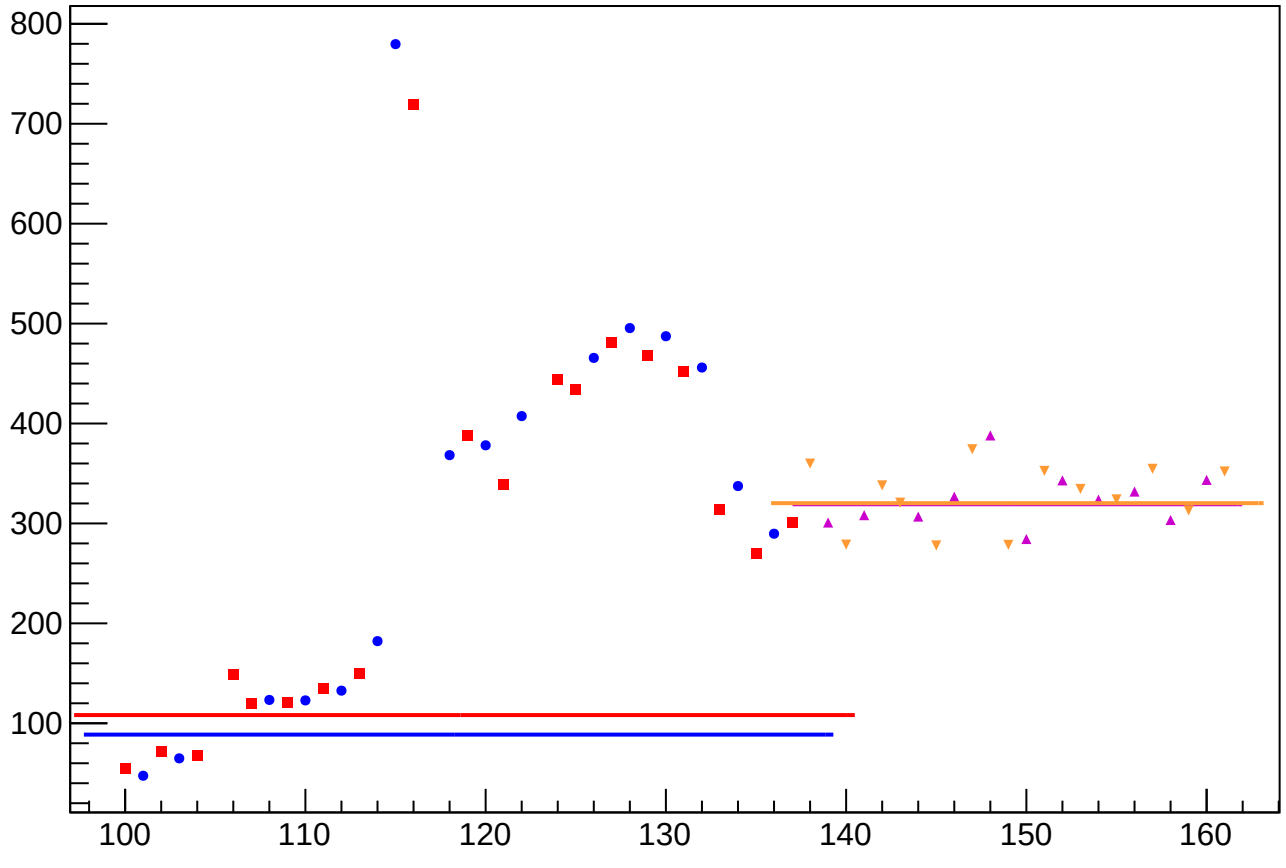
Left: -92.862+/-72.311 χ^2/NDF: 30.5/23

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 76.854+/-42.440 χ^2/NDF:29.8/26

Out: -82.415+/-44.946 χ^2/NDF:31.7/31

All: 1.784+/-30.857 χ^2/NDF: 68.2/58



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 320.284+/-0.071 χ^2/NDF:212921.8/12

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

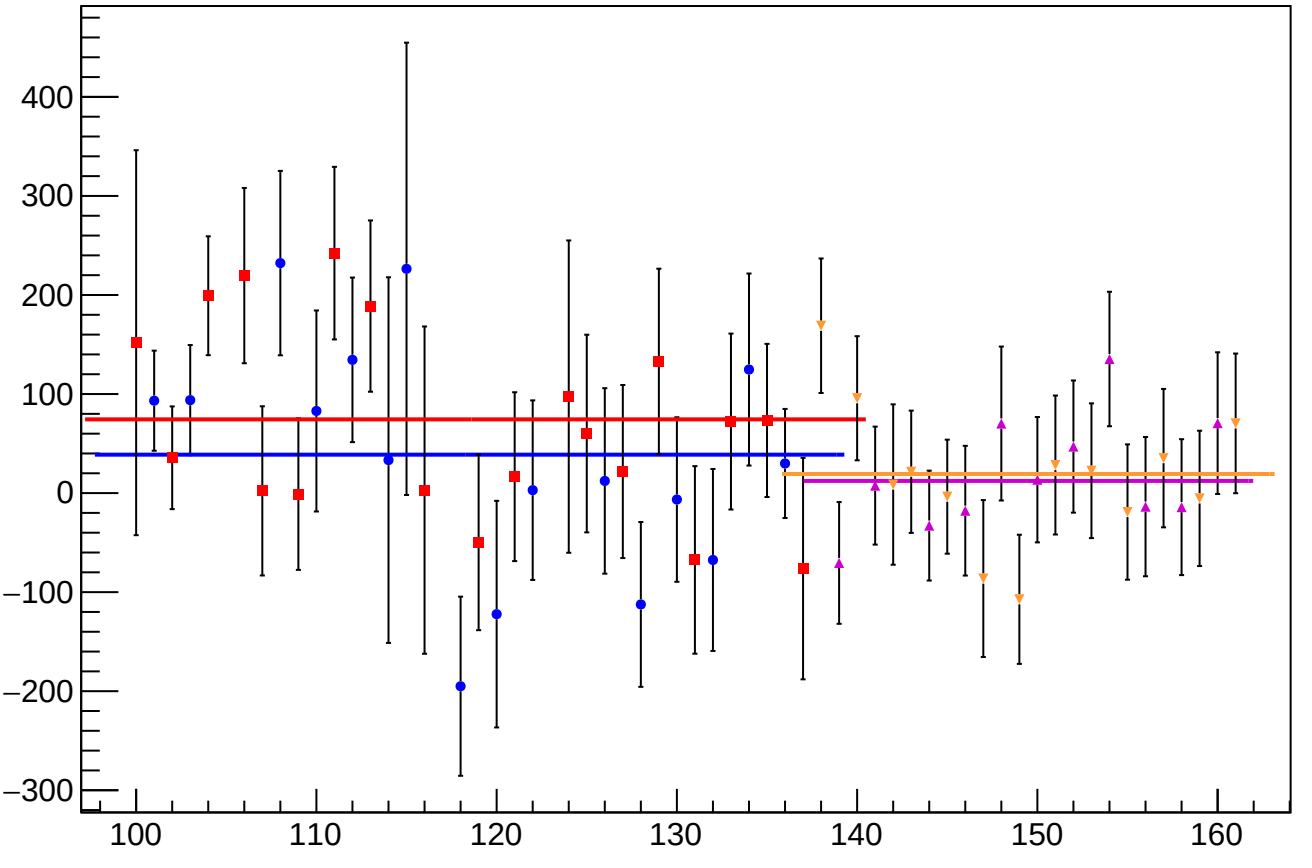
Left: 319.750+/-0.051 χ^2/NDF: 327807.0/23

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 126.970+/-0.030 χ^2/NDF:14940472.0/26

Out: 150.606+/-0.032 χ^2/NDF:12690389.7/31

All: 138.111+/-0.022 χ^2/NDF: 27923269.1/58



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.280+/-18.775 χ^2/NDF:13.1/12

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 12.292+/-19.718 χ^2/NDF:7.8/10

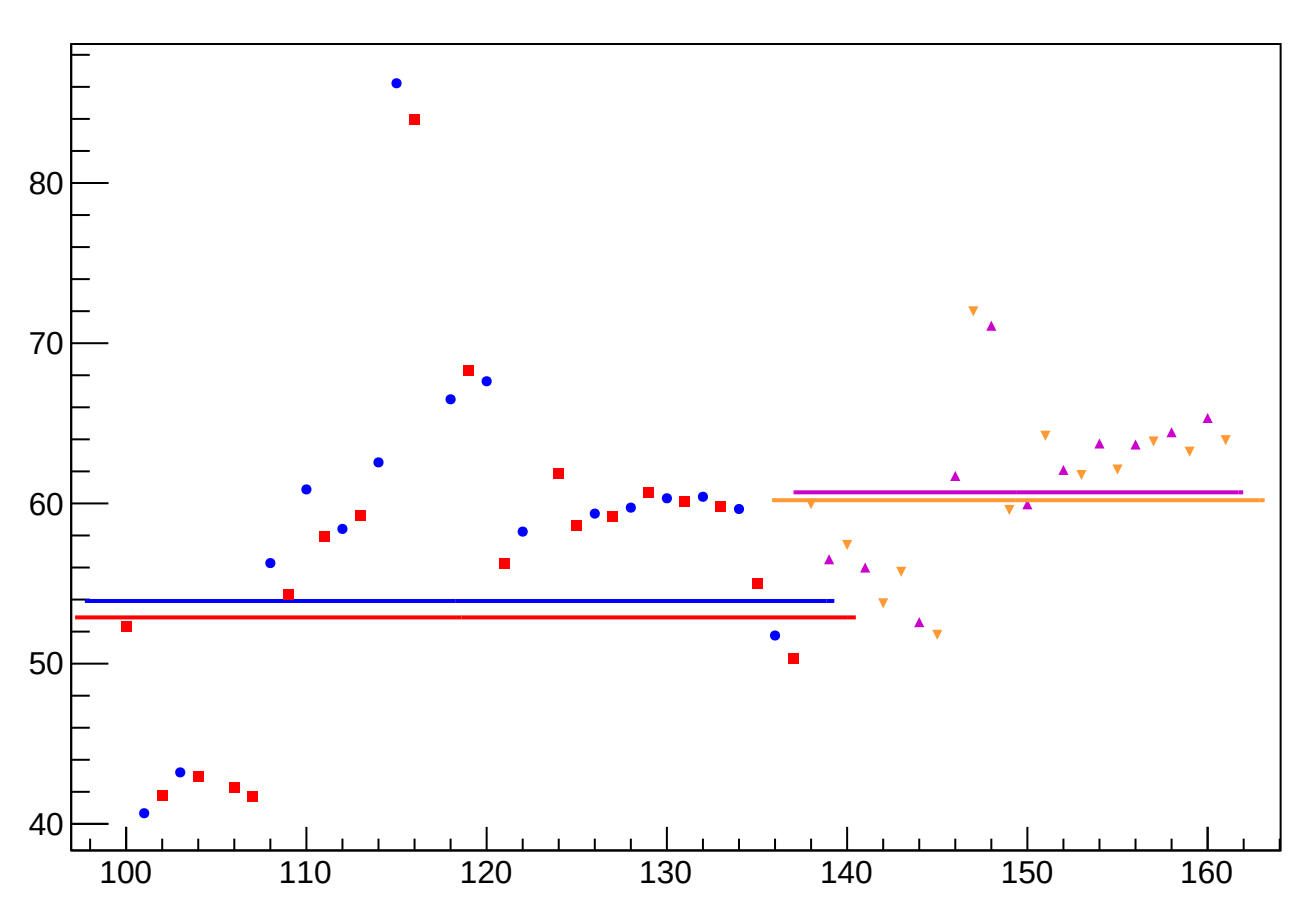
Left: 15.957+/-13.597 χ^2/NDF: 20.9/23

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.084+/-14.182 χ^2/NDF:31.9/26

Out: 45.392+/-13.625 χ^2/NDF:39.5/31

All: 35.645+/-9.825 χ^2/NDF: 72.5/58



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

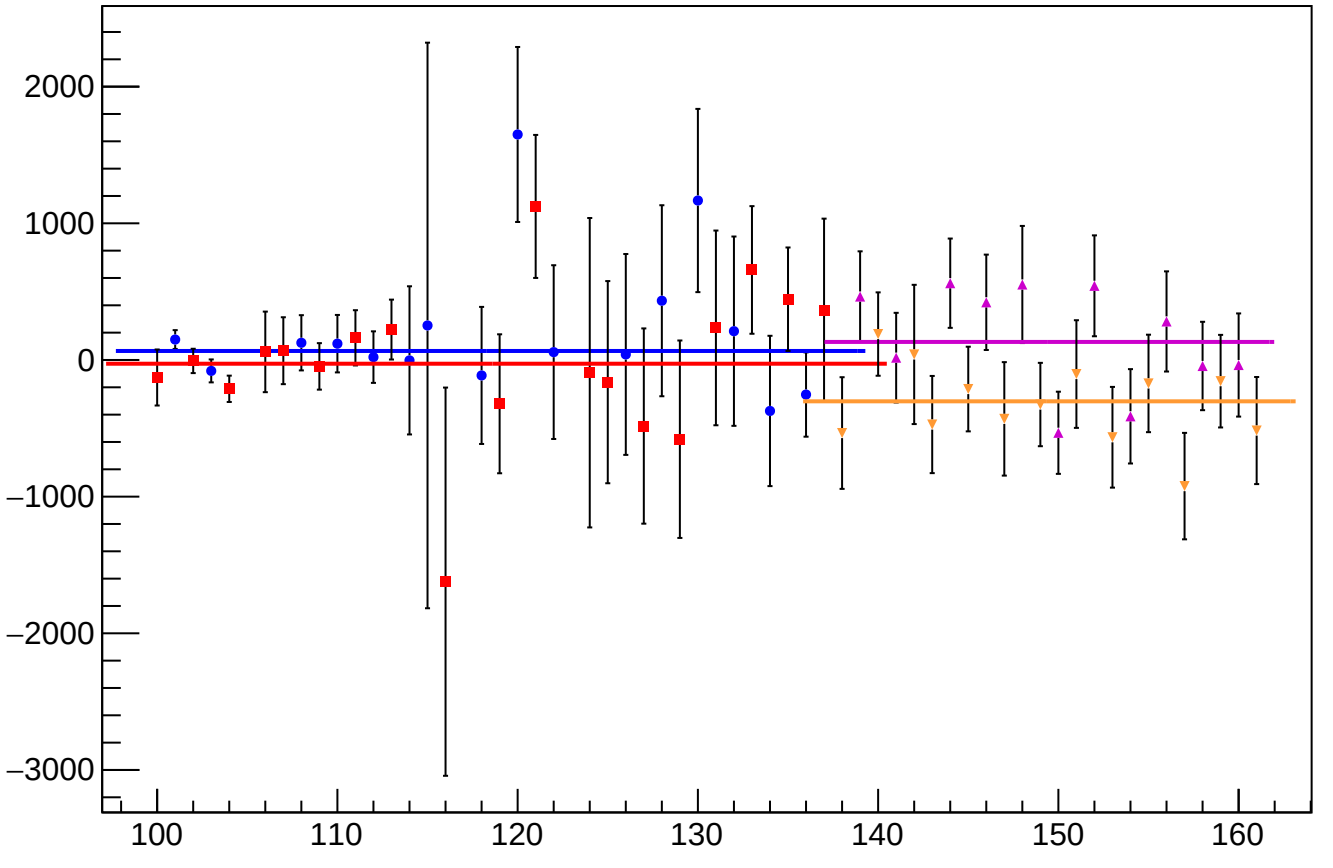
Left: 60.435+/-0.010 χ^2/NDF: 262924.4/23

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.420+/-0.010 χ^2/NDF:631230.5/26

Out: 56.739+/-0.010 χ^2/NDF:707688.3/31

All: 57.066+/-0.007 χ^2/NDF: 1341319.9/58



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -302.553+/-100.520 χ^2/NDF:7.7/12

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 132.025+/-104.099 χ^2/NDF:13.8/10

Left: -92.862+/-72.311 χ^2/NDF: 30.5/23

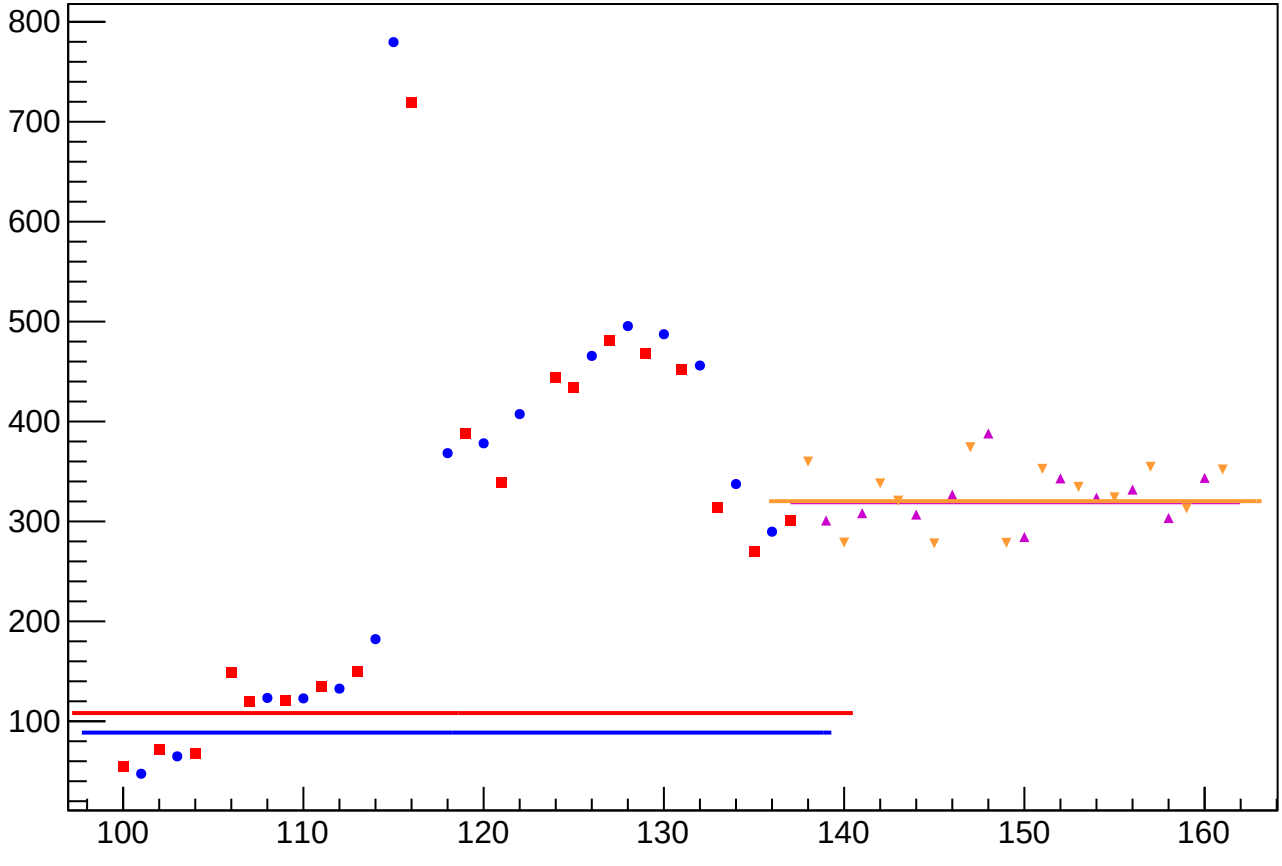
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 76.854+/-42.440 χ^2/NDF:29.8/26

Out: -82.415+/-44.946 χ^2/NDF:31.7/31

All: 1.784+/-30.857 χ^2/NDF: 68.2/58

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: 320.284+/-0.071 χ^2/NDF:212921.8/12

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

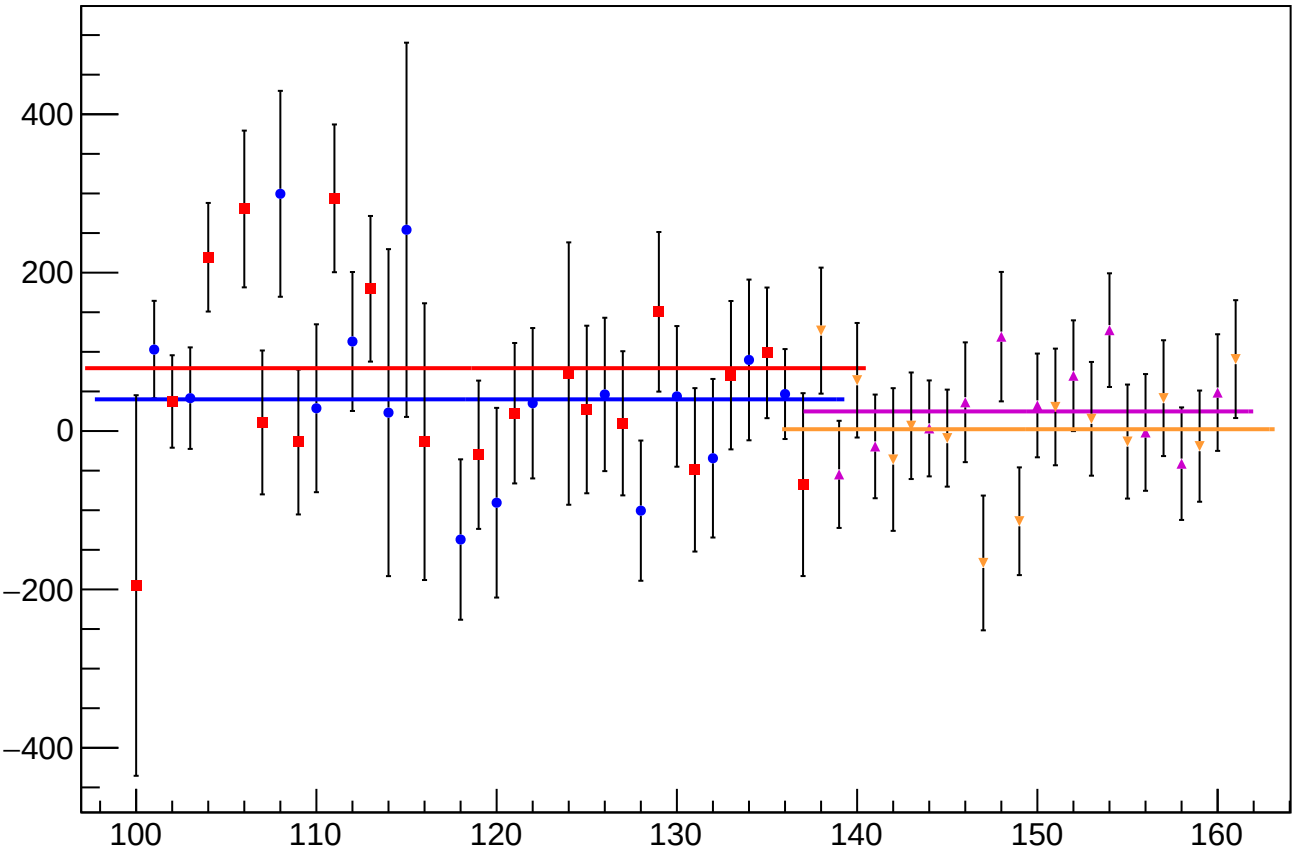
Left: 319.750+/-0.051 χ^2/NDF: 327807.0/23

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 126.970+/-0.030 χ^2/NDF:14940472.0/26

Out: 150.606+/-0.032 χ^2/NDF:12690389.7/31

All: 138.111+/-0.022 χ^2/NDF: 27923269.1/58



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 2.299+/-20.181 χ^2/NDF:12.3/12

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 24.766+/-21.095 χ^2/NDF:6.9/10

Left: 13.035+/-14.582 χ^2/NDF: 19.8/23

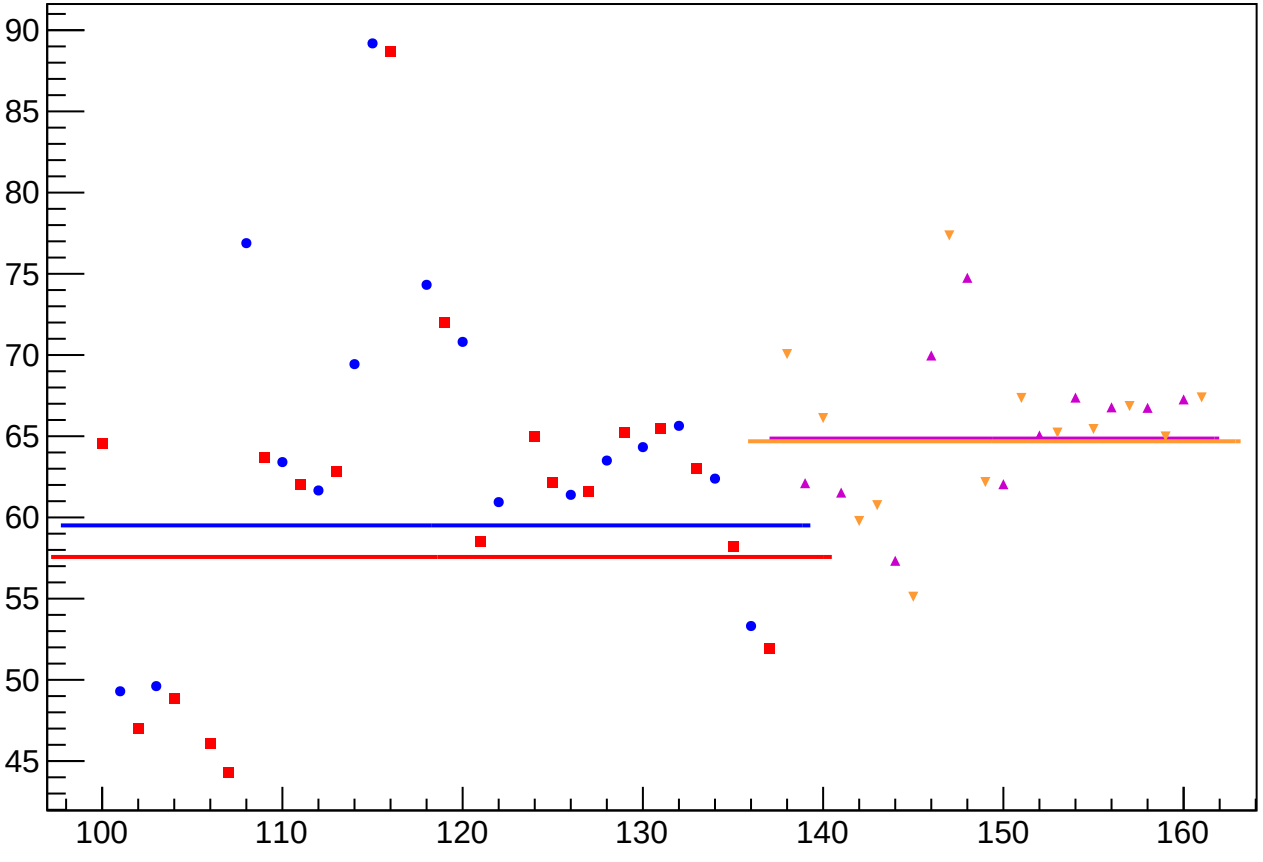
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.902+/-15.394 χ^2/NDF:21.3/26

Out: 38.264+/-14.739 χ^2/NDF:43.9/31

All: 35.221+/-10.646 χ^2/NDF: 65.3/58

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.688+/-0.014 χ^2/NDF:125952.8/12

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.855+/-0.015 χ^2/NDF:88889.4/10

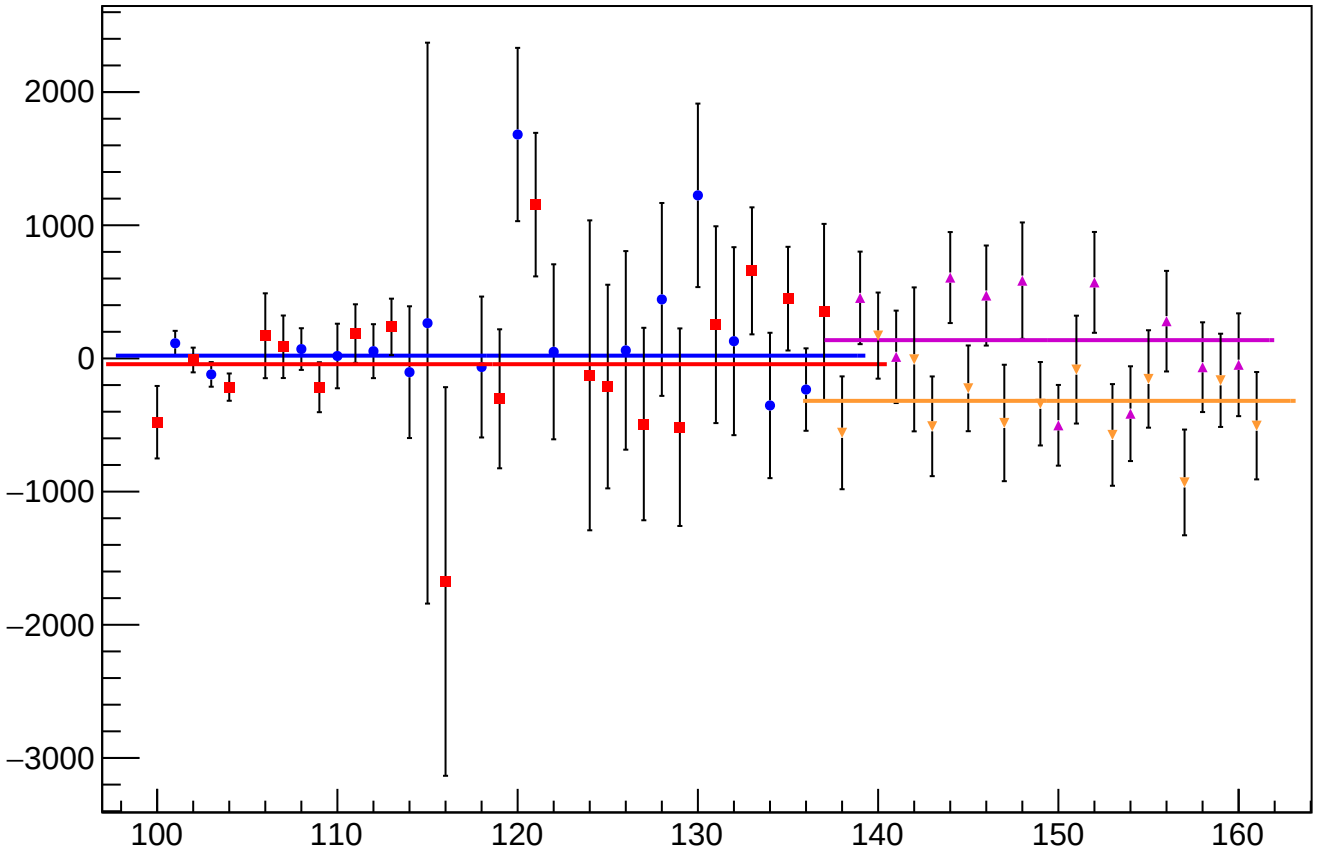
Left: 64.768+/-0.010 χ^2/NDF: 214908.0/23

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.356+/-0.011 χ^2/NDF:432144.2/26

Out: 61.365+/-0.010 χ^2/NDF:589526.2/31

All: 61.839+/-0.008 χ^2/NDF: 1025992.4/58



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -318.561+/-104.335 χ^2/NDF:7.2/12

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 137.330+/-107.982 χ^2/NDF:13.6/10

Left: -98.442+/-75.032 χ^2/NDF: 30.0/23

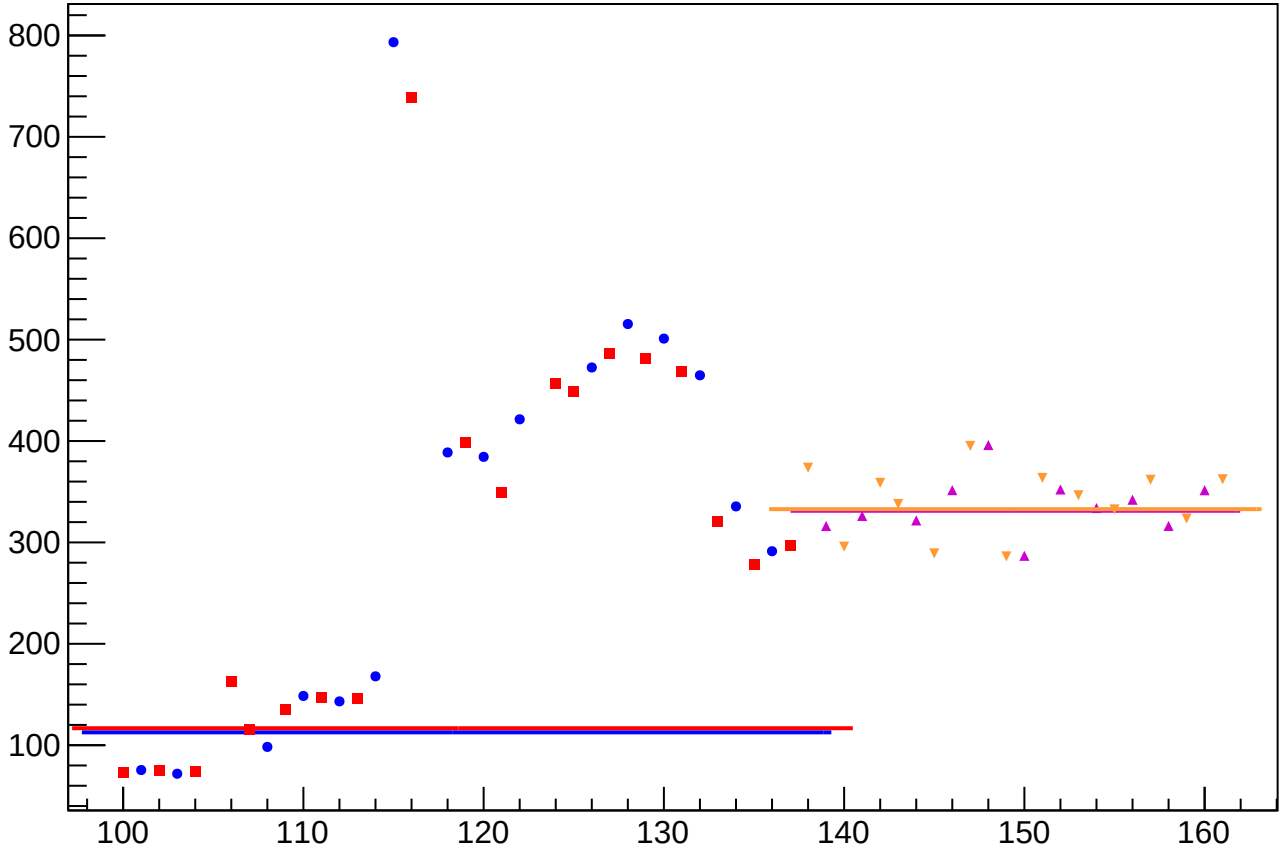
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.858+/-48.000 χ^2/NDF:29.2/26

Out: -100.086+/-47.402 χ^2/NDF:34.3/31

All: -29.016+/-33.728 χ^2/NDF: 68.0/58

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: 332.796+/-0.074 χ^2/NDF:208381.4/12

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 331.216+/-0.076 χ^2/NDF:115940.4/10

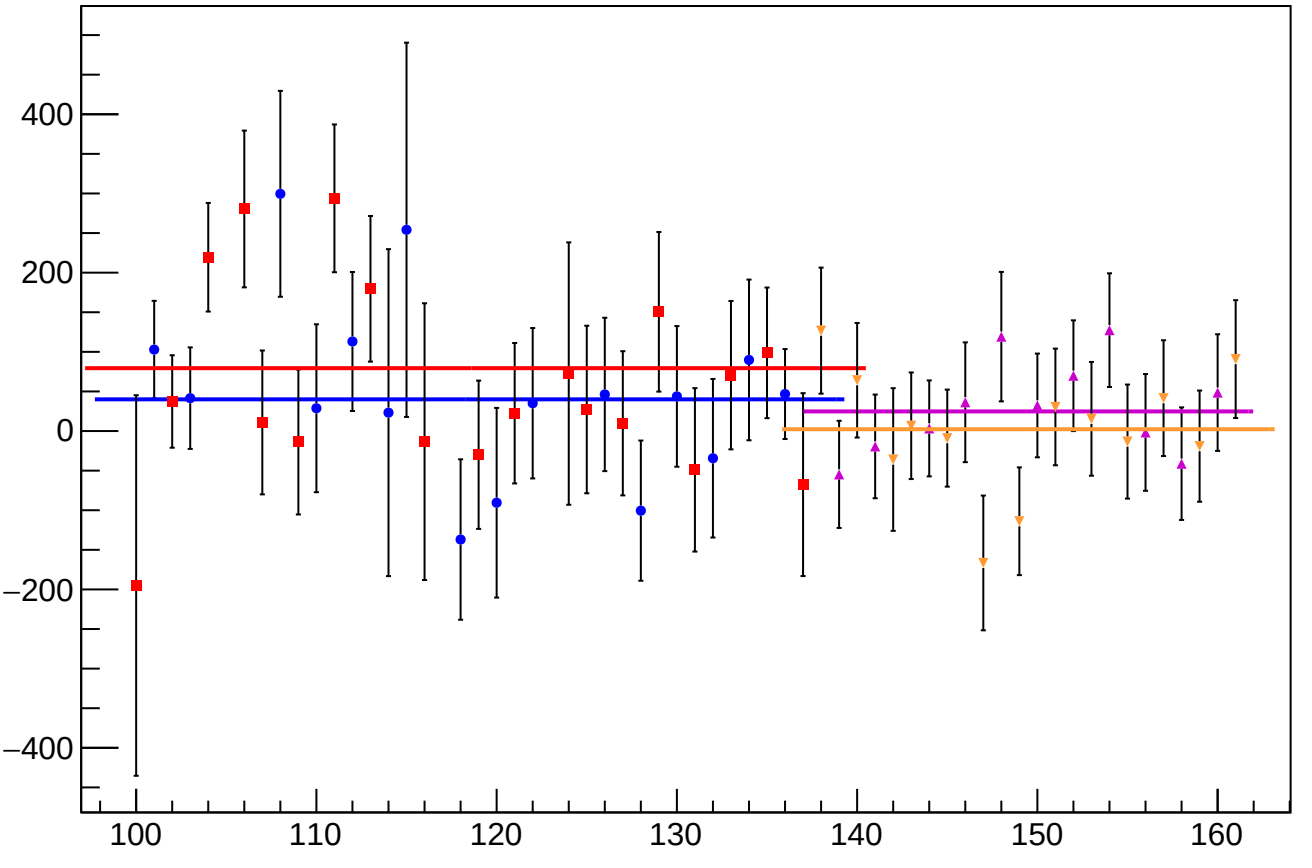
Left: 332.033+/-0.053 χ^2/NDF: 324543.3/23

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 155.853+/-0.034 χ^2/NDF:12289412.6/26

Out: 161.330+/-0.034 χ^2/NDF:12156314.2/31

All: 158.626+/-0.024 χ^2/NDF: 24458909.5/58



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 2.300+/-20.181 χ^2/NDF:12.3/12

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 24.766+/-21.095 χ^2/NDF:6.9/10

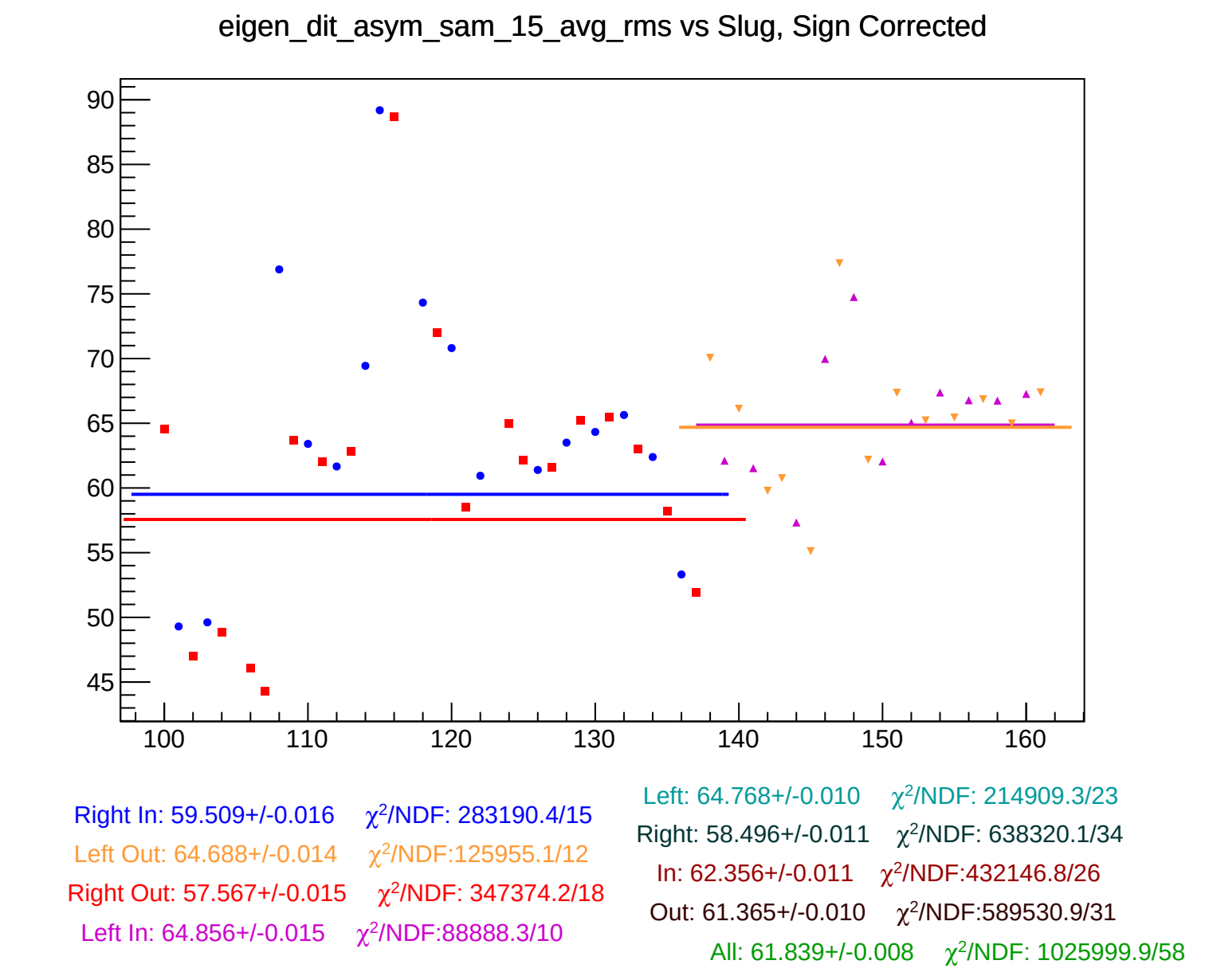
Left: 13.036+/-14.583 χ^2/NDF: 19.8/23

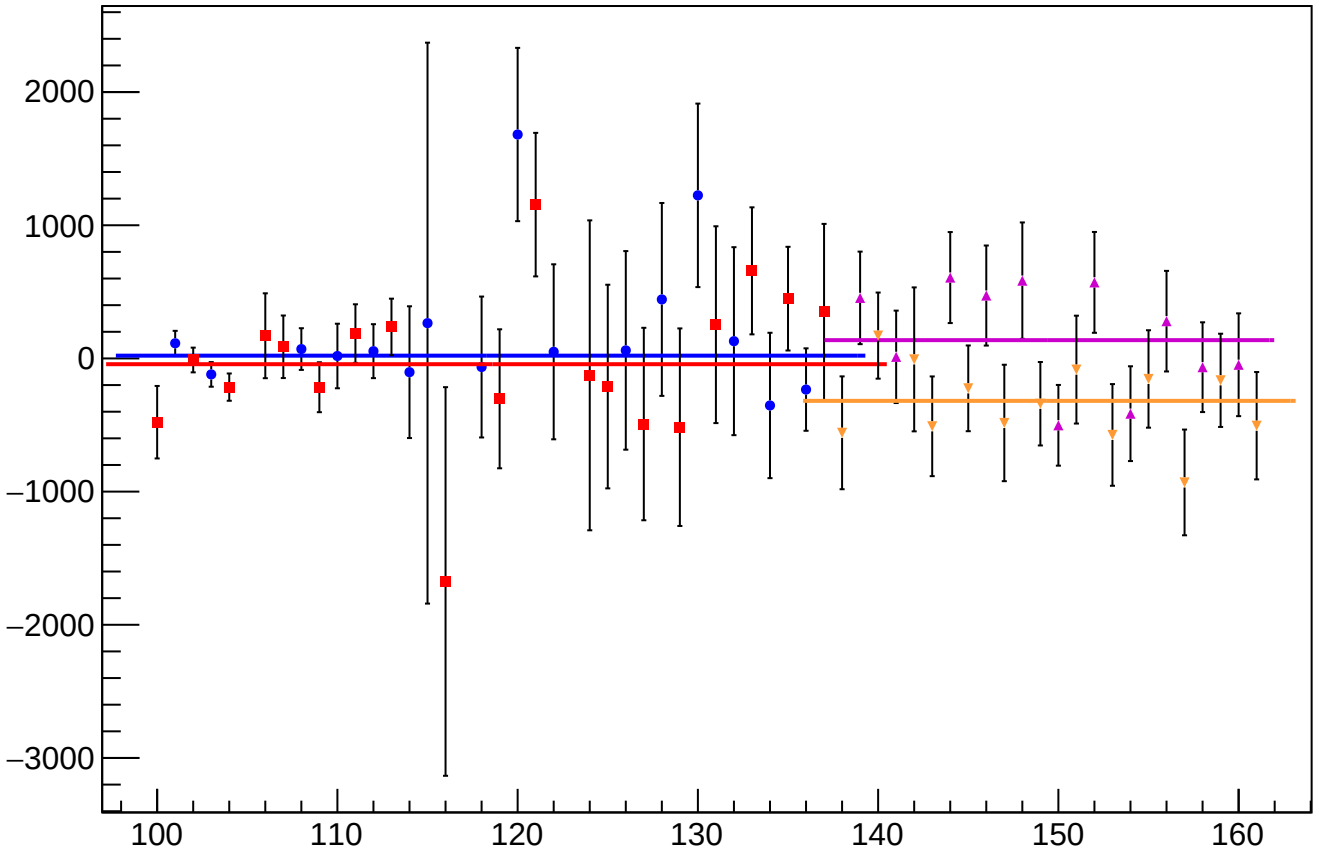
Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.902+/-15.394 χ^2/NDF:21.3/26

Out: 38.265+/-14.739 χ^2/NDF:43.9/31

All: 35.221+/-10.646 χ^2/NDF: 65.3/58


eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected
90
85
80
75
70
65
60
55
50
45
100
110
120
130
140
150
160
Right In: 59.509+/-0.016 χ²/NDF: 283190.4/15
Left Out: 64.688+/-0.014 χ²/NDF:125955.1/12
Right Out: 57.567+/-0.015 χ²/NDF: 347374.2/18
Left In: 64.856+/-0.015 χ²/NDF:88888.3/10
Left: 64.768+/-0.010 χ²/NDF: 214909.3/23
Right: 58.496+/-0.011 χ²/NDF: 638320.1/34
In: 62.356+/-0.011 χ²/NDF:432146.8/26
Out: 61.365+/-0.010 χ²/NDF:589530.9/31
All: 61.839+/-0.008 χ²/NDF: 1025999.9/58



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -318.561+/-104.336 χ^2/NDF:7.2/12

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 137.330+/-107.982 χ^2/NDF:13.6/10

Left: -98.442+/-75.032 χ^2/NDF: 30.0/23

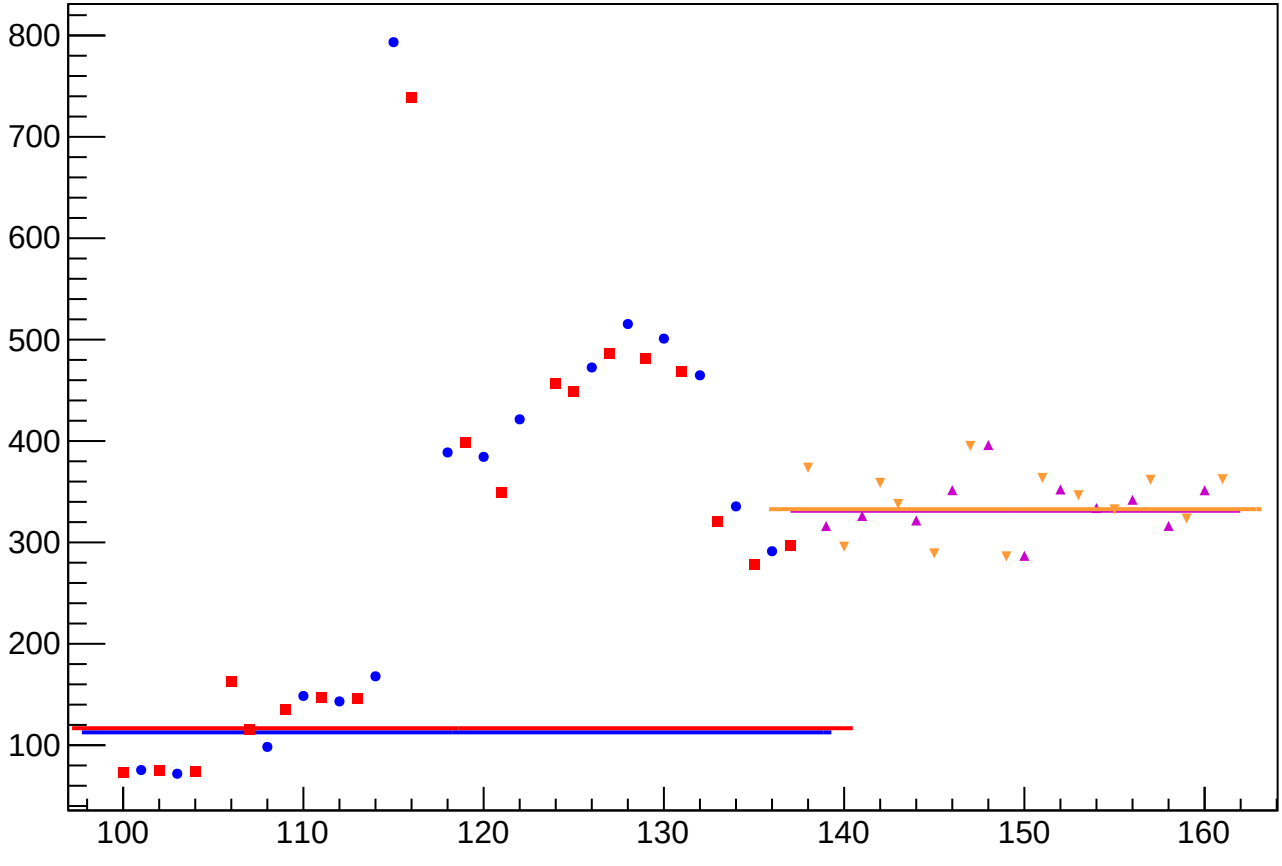
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.858+/-48.000 χ^2/NDF:29.2/26

Out: -100.085+/-47.402 χ^2/NDF:34.3/31

All: -29.016+/-33.728 χ^2/NDF: 68.0/58

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: 332.797+/-0.074 χ^2/NDF:208381.4/12

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 331.217+/-0.076 χ^2/NDF:115940.2/10

Left: 332.034+/-0.053 χ^2/NDF: 324543.0/23

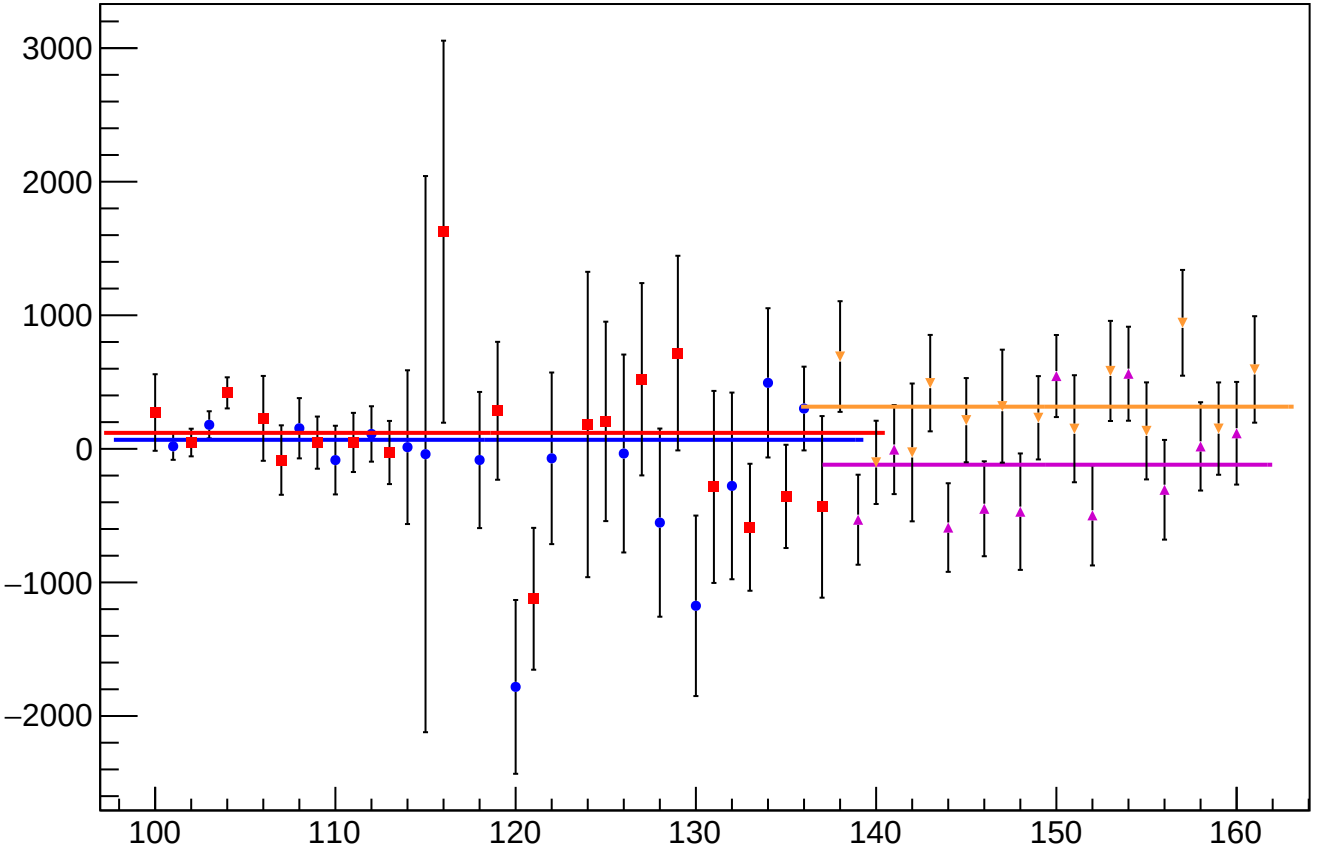
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 155.853+/-0.034 χ^2/NDF:12289452.1/26

Out: 161.329+/-0.034 χ^2/NDF:12156370.2/31

All: 158.625+/-0.024 χ^2/NDF: 24459004.4/58

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 315.734+/-102.347 χ^2/NDF:7.6/12

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -118.762+/-106.033 χ^2/NDF:15.4/10

Left: 106.168+/-73.639 χ^2/NDF: 31.7/23

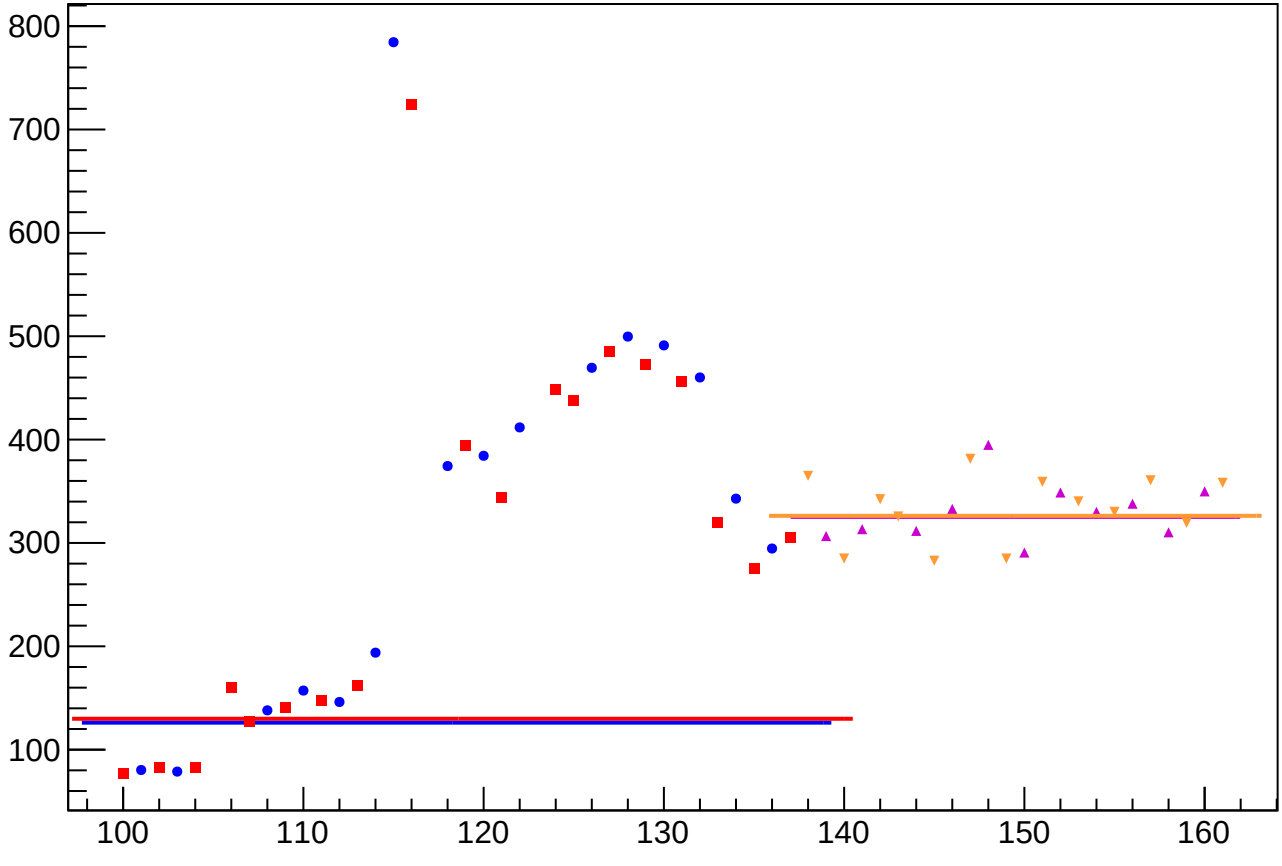
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 23.364+/-51.669 χ^2/NDF:33.5/26

Out: 167.230+/-50.422 χ^2/NDF:31.5/31

All: 97.054+/-36.086 χ^2/NDF: 69.0/58

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 326.243+/-0.072 χ^2/NDF:206816.8/12

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 325.214+/-0.075 χ^2/NDF:112137.9/10

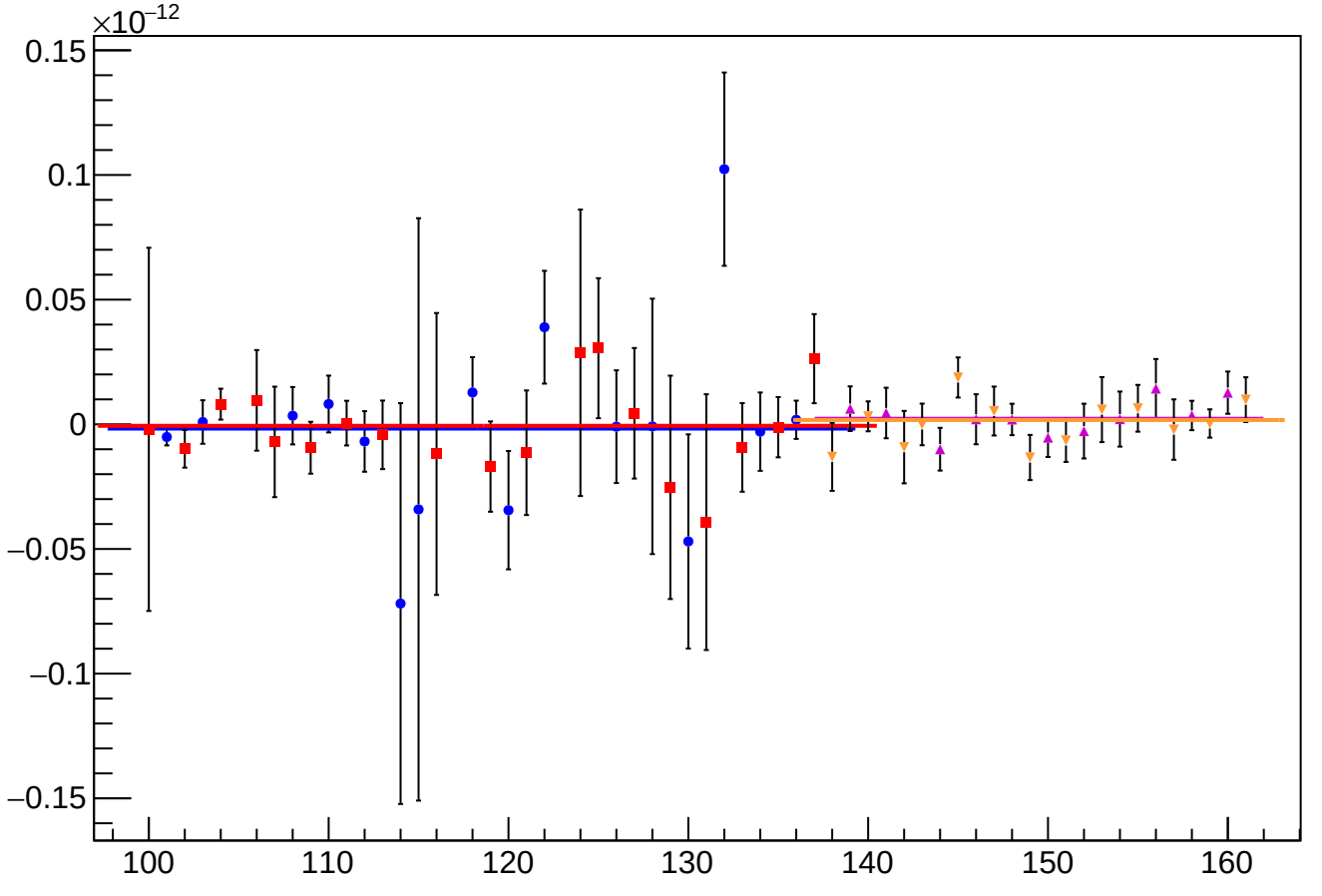
Left: 325.747+/-0.052 χ^2/NDF: 319052.1/23

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 173.421+/-0.037 χ^2/NDF:10707382.1/26

Out: 177.565+/-0.036 χ^2/NDF:10427727.7/31

All: 175.544+/-0.026 χ^2/NDF: 21141699.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/10

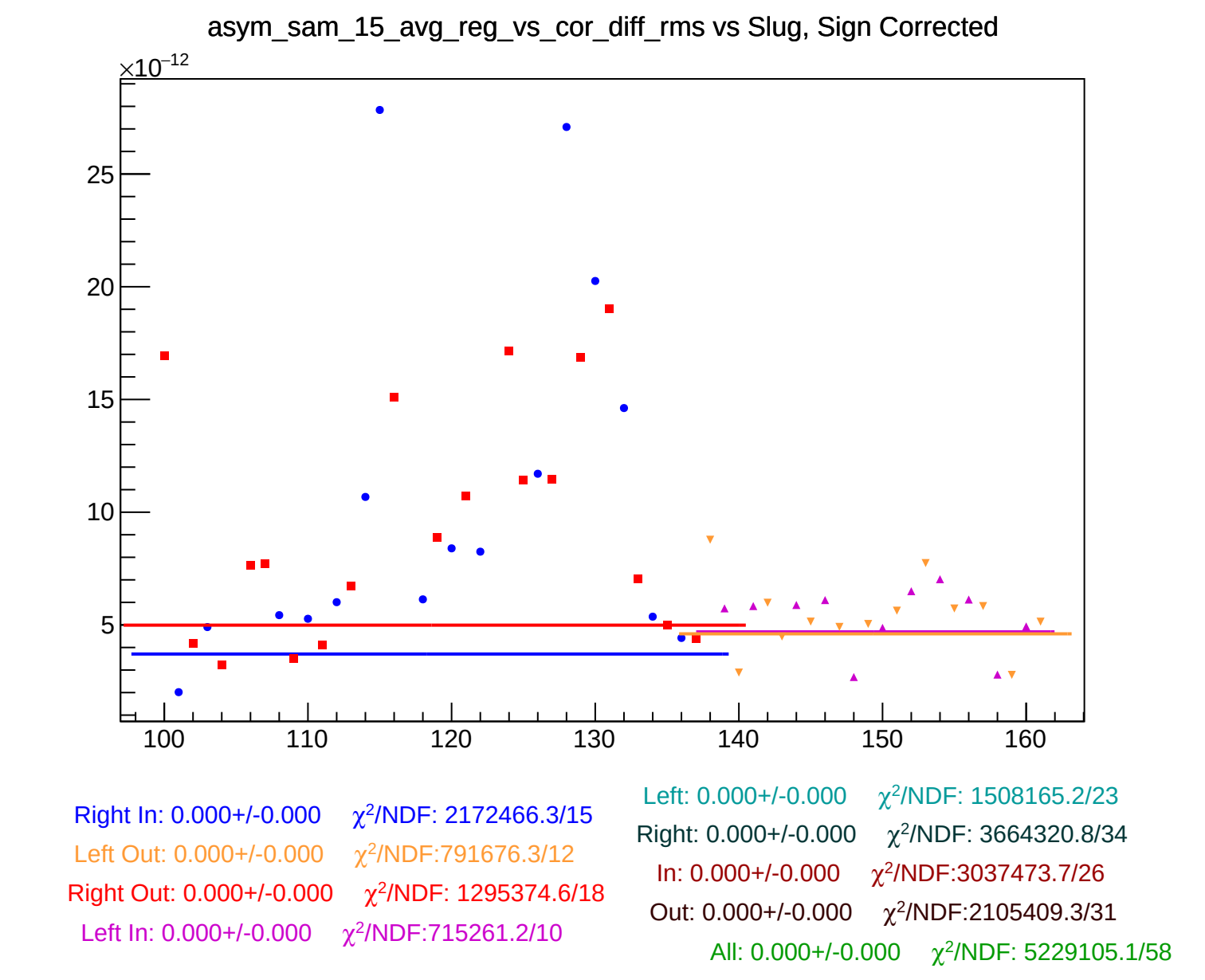
Left: 0.000+/-0.000 χ^2/NDF: 17.5/23

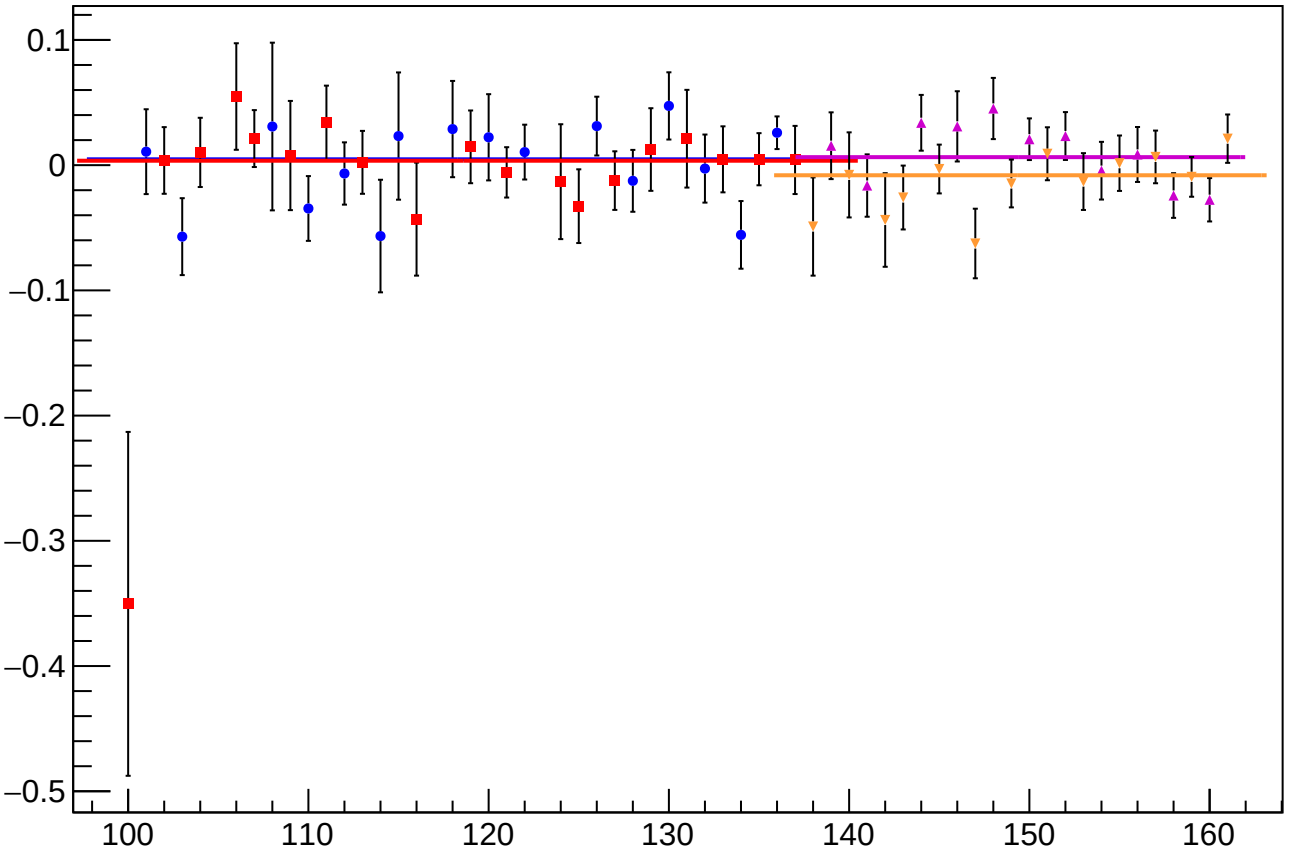
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.0/26

Out: 0.000+/-0.000 χ^2/NDF:22.3/31

All: 0.000+/-0.000 χ^2/NDF: 47.4/58


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:791676.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:715261.2/10
Left: 0.000+/-0.000 χ²/NDF: 1508165.2/23
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3037473.7/26
Out: 0.000+/-0.000 χ²/NDF:2105409.3/31
All: 0.000+/-0.000 χ²/NDF: 5229105.1/58



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.3/10

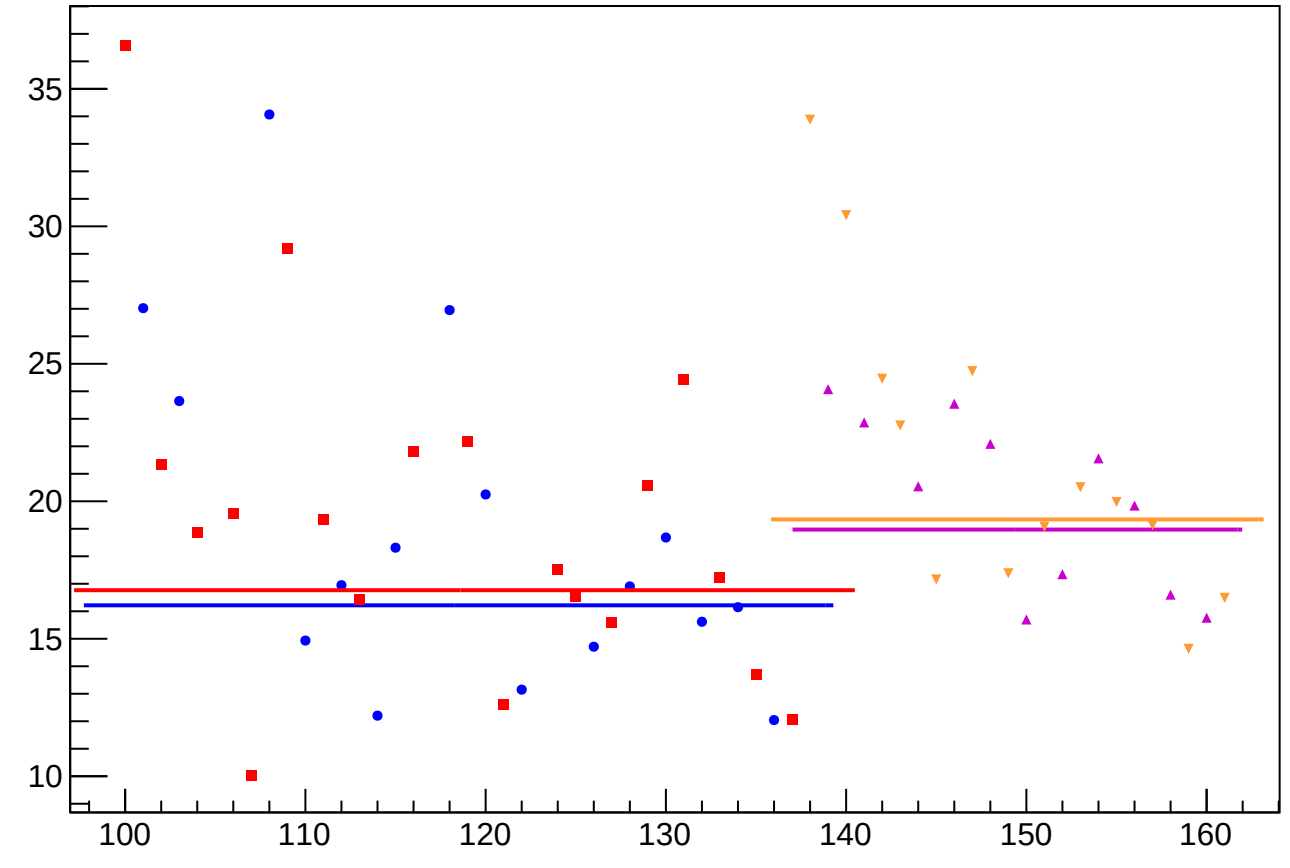
Left: -0.001+/-0.004 χ^2/NDF: 27.2/23

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.003+/-0.005 χ^2/NDF:25.4/31

All: 0.001+/-0.003 χ^2/NDF: 62.9/58



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.340+/-0.004 χ^2/NDF:908926.0/12

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

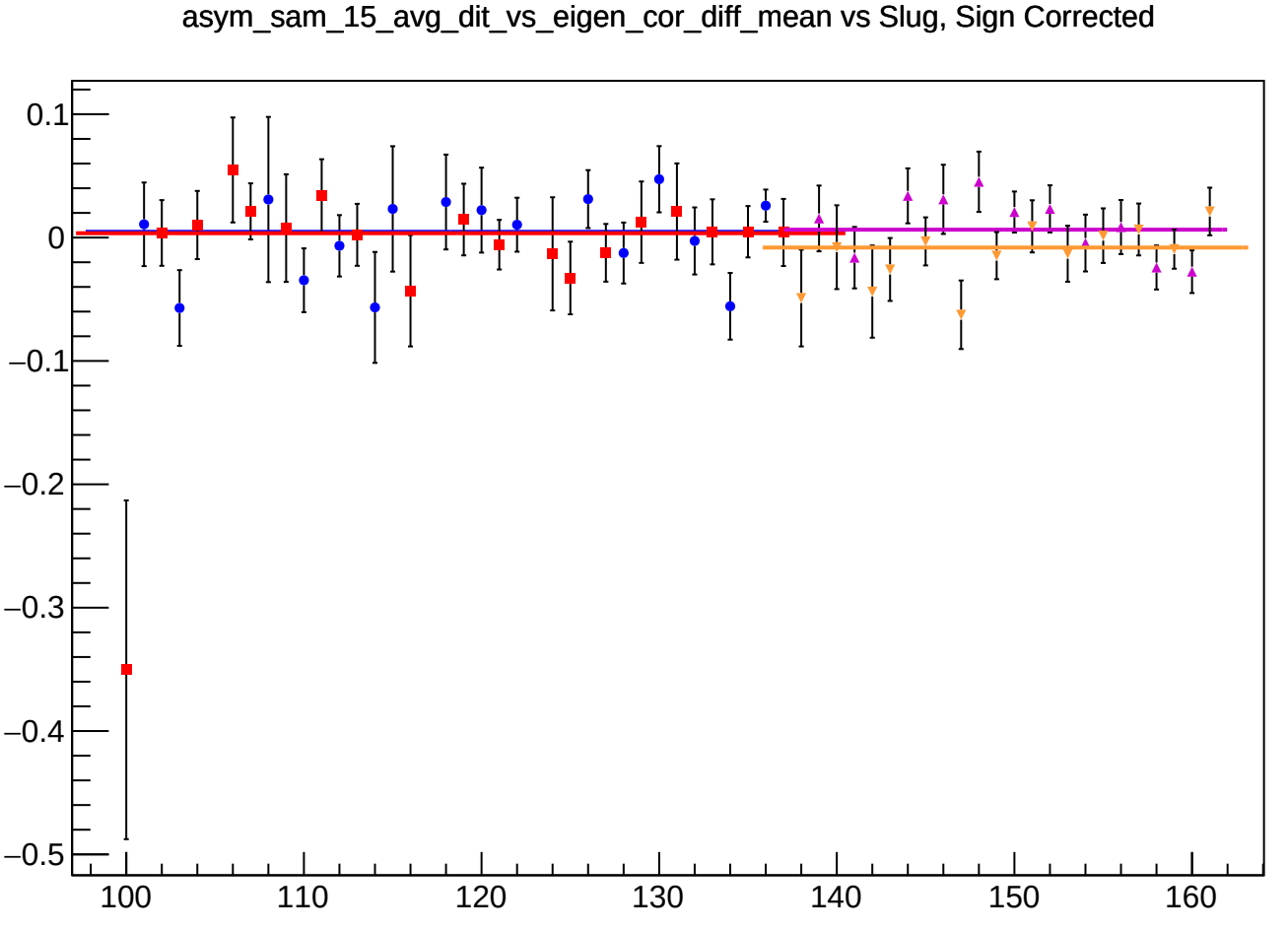
Left: 19.159+/-0.003 χ^2/NDF: 1354281.6/23

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.639+/-0.003 χ^2/NDF:1567610.3/26

Out: 18.128+/-0.003 χ^2/NDF:1935292.9/31

All: 17.884+/-0.002 χ^2/NDF: 3514413.6/58



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.3/10

Left: -0.001+/-0.004 χ^2/NDF: 27.2/23

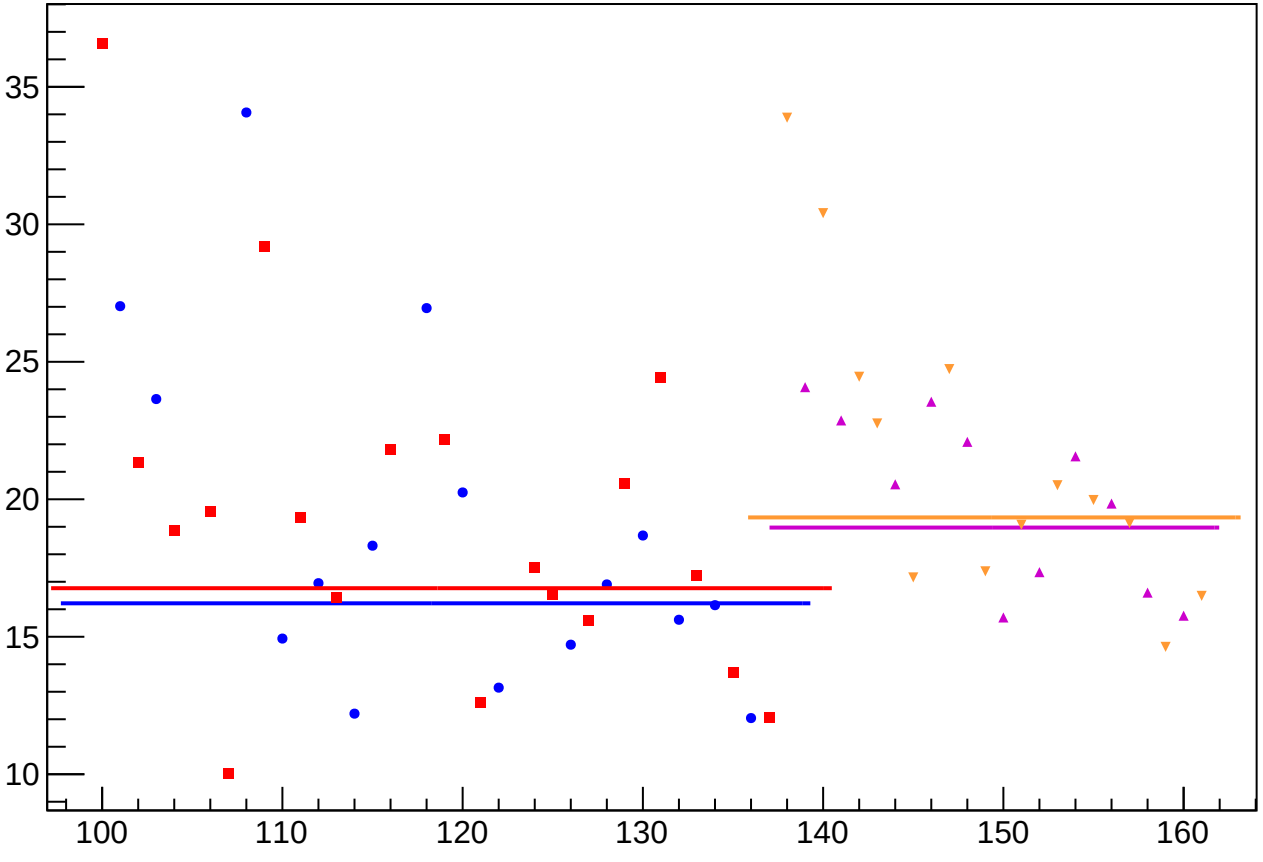
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.003+/-0.005 χ^2/NDF:25.4/31

All: 0.001+/-0.003 χ^2/NDF: 62.9/58

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.340+/-0.004 χ^2/NDF:908926.0/12

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

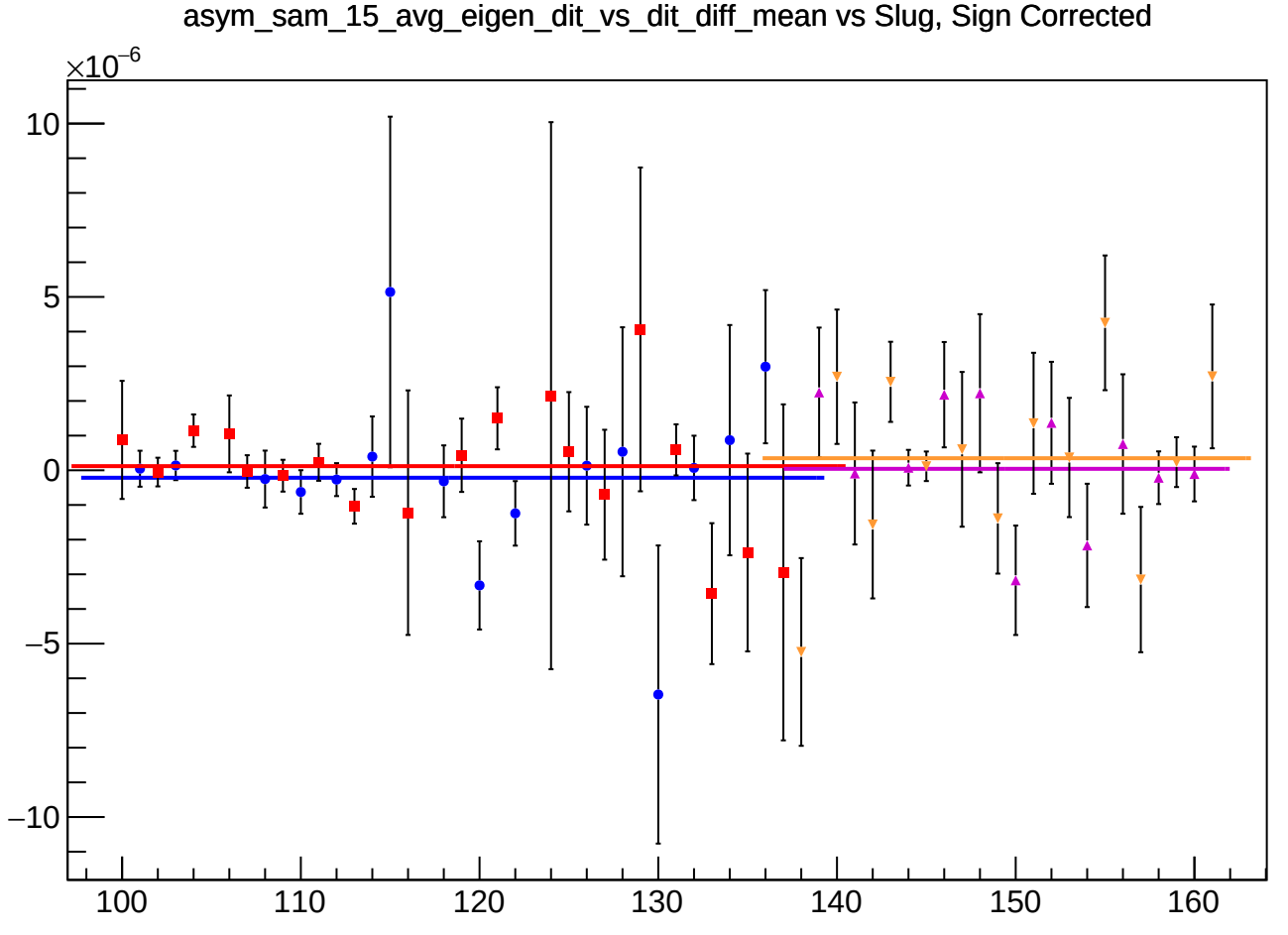
Left: 19.159+/-0.003 χ^2/NDF: 1354281.6/23

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.639+/-0.003 χ^2/NDF:1567610.3/26

Out: 18.128+/-0.003 χ^2/NDF:1935292.9/31

All: 17.884+/-0.002 χ^2/NDF: 3514413.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/10

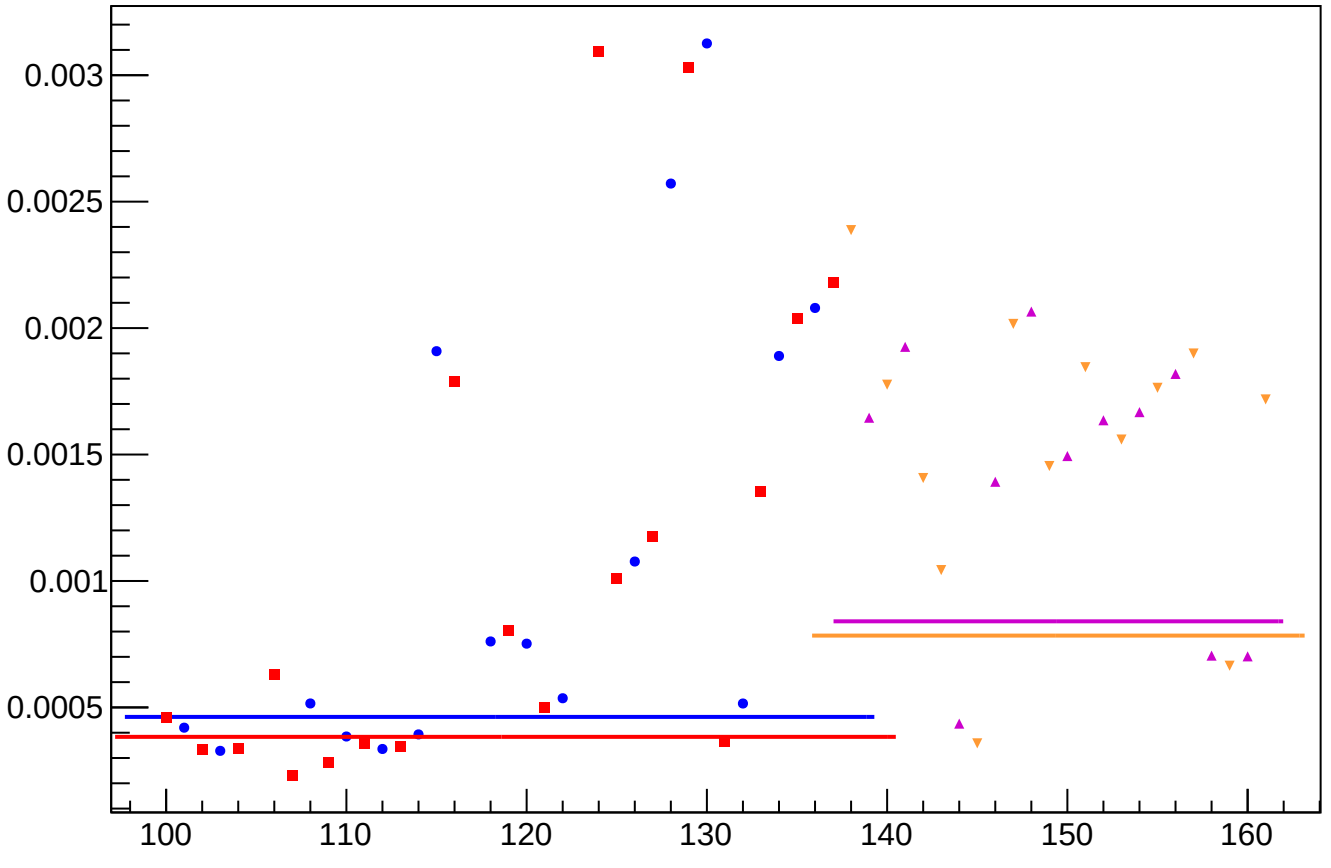
Left: 0.000+/-0.000 χ^2/NDF: 31.4/23

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.8/26

Out: 0.000+/-0.000 χ^2/NDF:40.7/31

All: 0.000+/-0.000 χ^2/NDF: 68.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6947567.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4793143.1/10

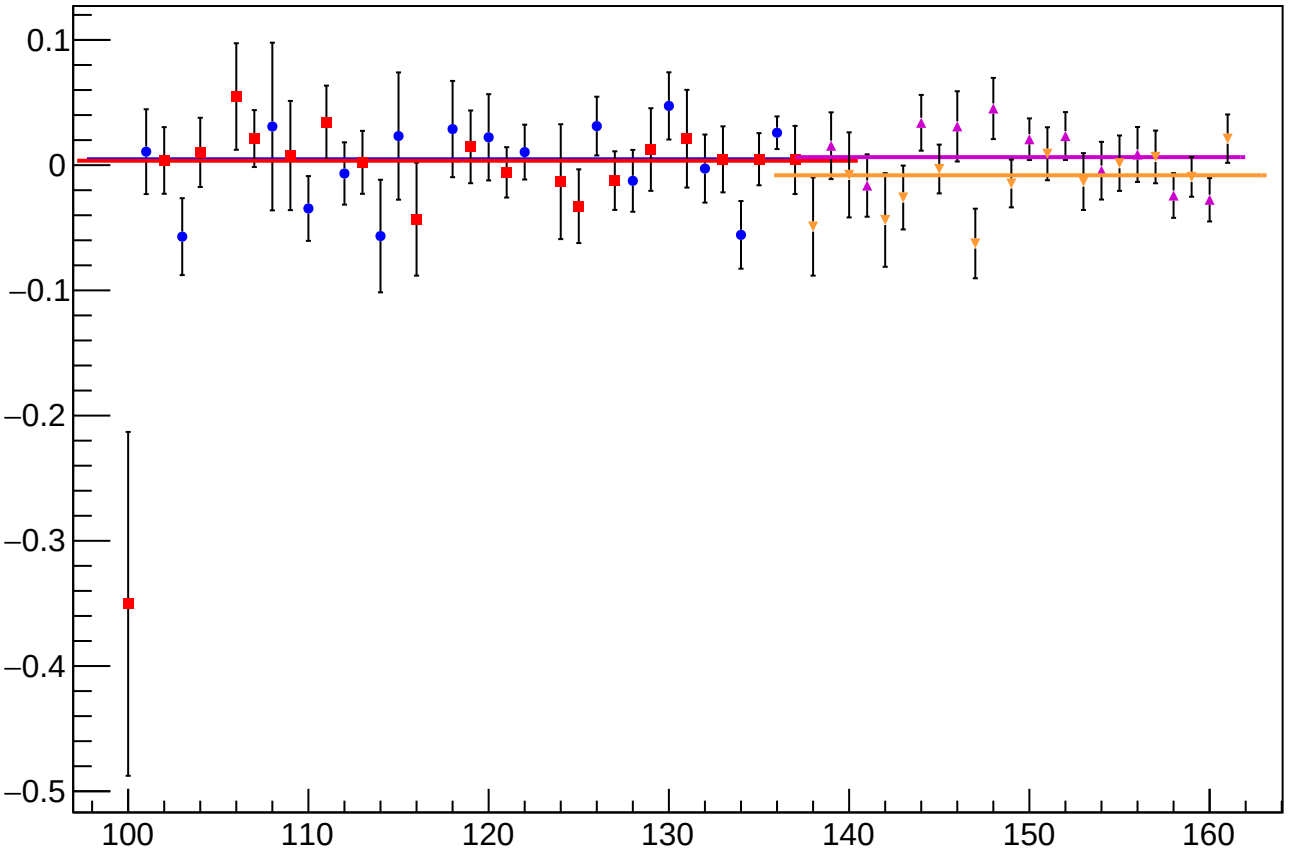
Left: 0.001+/-0.000 χ^2/NDF: 11772868.0/23

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:10742596.6/26

Out: 0.000+/-0.000 χ^2/NDF:13608634.6/31

All: 0.001+/-0.000 χ^2/NDF: 24671507.1/58



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.3/10

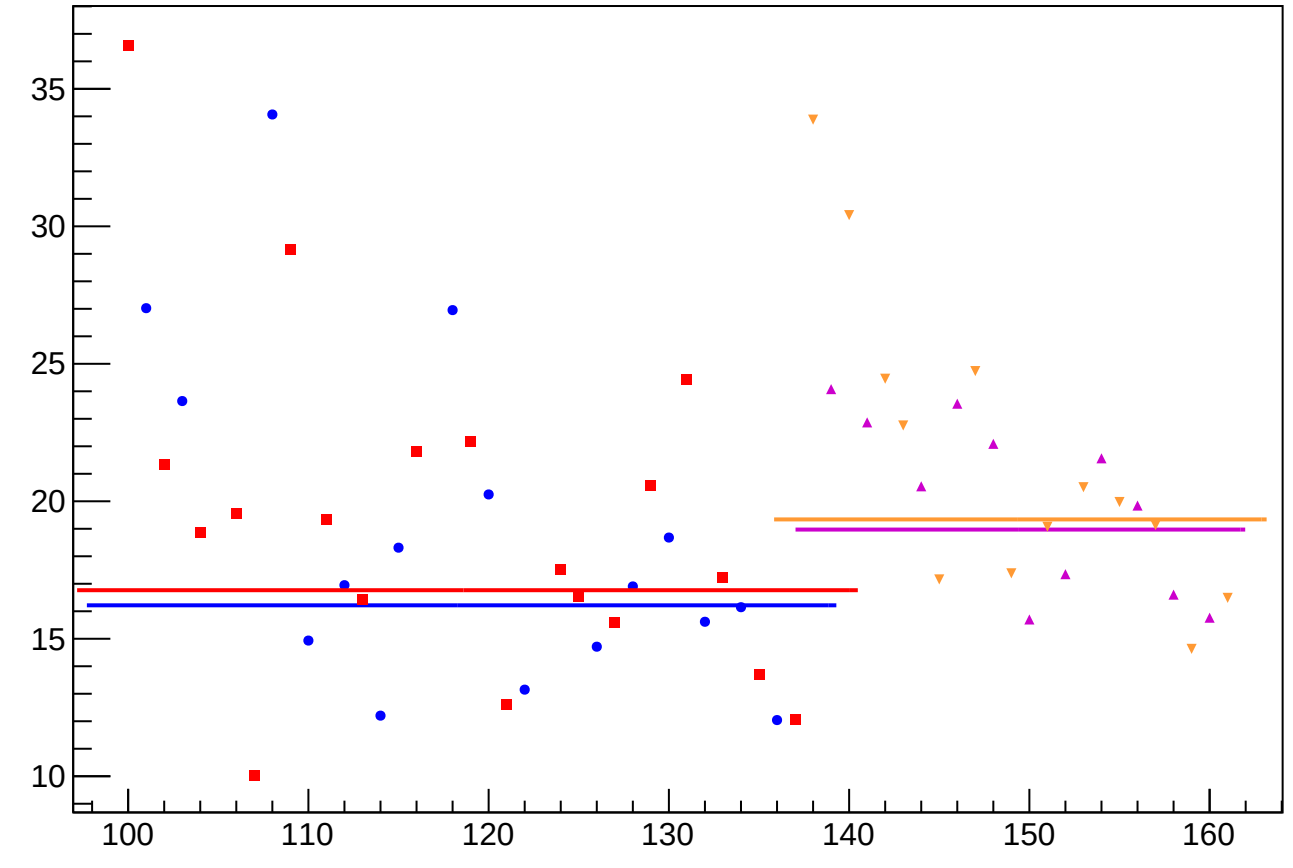
Left: -0.001+/-0.004 χ^2/NDF: 27.2/23

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.003+/-0.005 χ^2/NDF:25.4/31

All: 0.001+/-0.003 χ^2/NDF: 62.9/58



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.340+/-0.004 χ^2/NDF:909026.2/12

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 18.971+/-0.004 χ^2/NDF:442034.1/10

Left: 19.159+/-0.003 χ^2/NDF: 1354488.4/23

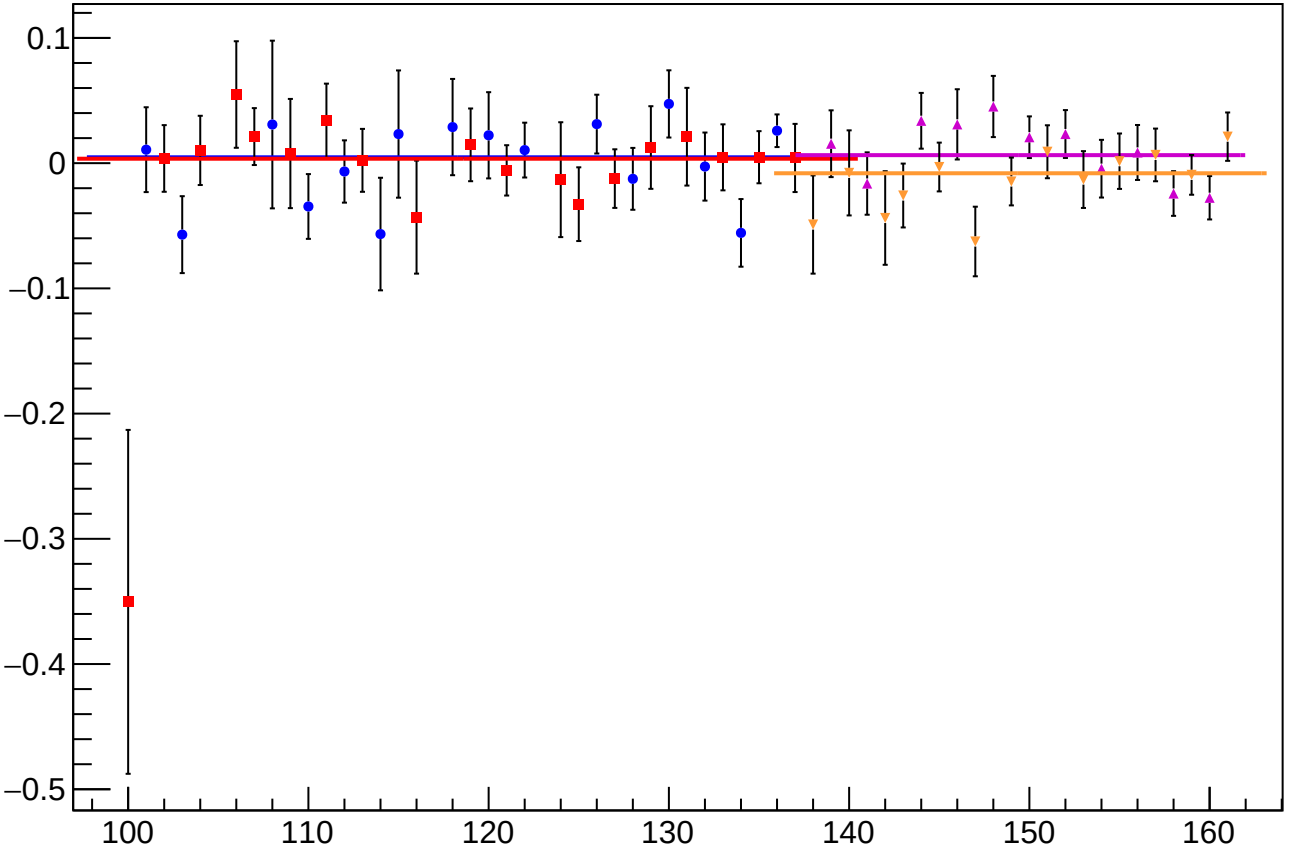
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.639+/-0.003 χ^2/NDF:1567712.0/26

Out: 18.128+/-0.003 χ^2/NDF:1935413.6/31

All: 17.884+/-0.002 χ^2/NDF: 3514635.4/58

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: -0.008+/-0.006 χ^2/NDF:10.2/12

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.3/10

Left: -0.001+/-0.004 χ^2/NDF: 27.2/23

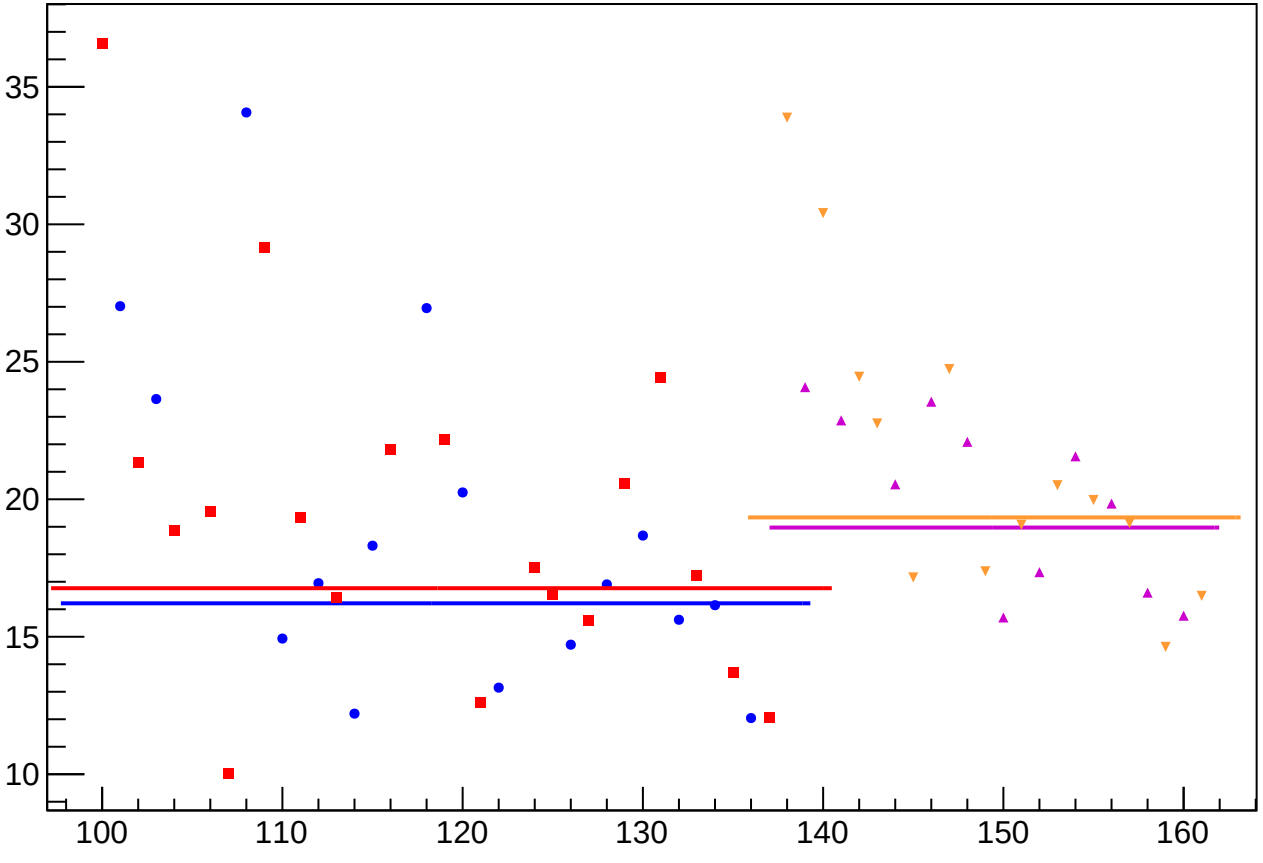
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.006+/-0.005 χ^2/NDF:35.8/26

Out: -0.003+/-0.005 χ^2/NDF:25.4/31

All: 0.001+/-0.003 χ^2/NDF: 62.9/58

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.340+/-0.004 χ^2/NDF:909026.2/12

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 18.971+/-0.004 χ^2/NDF:442034.1/10

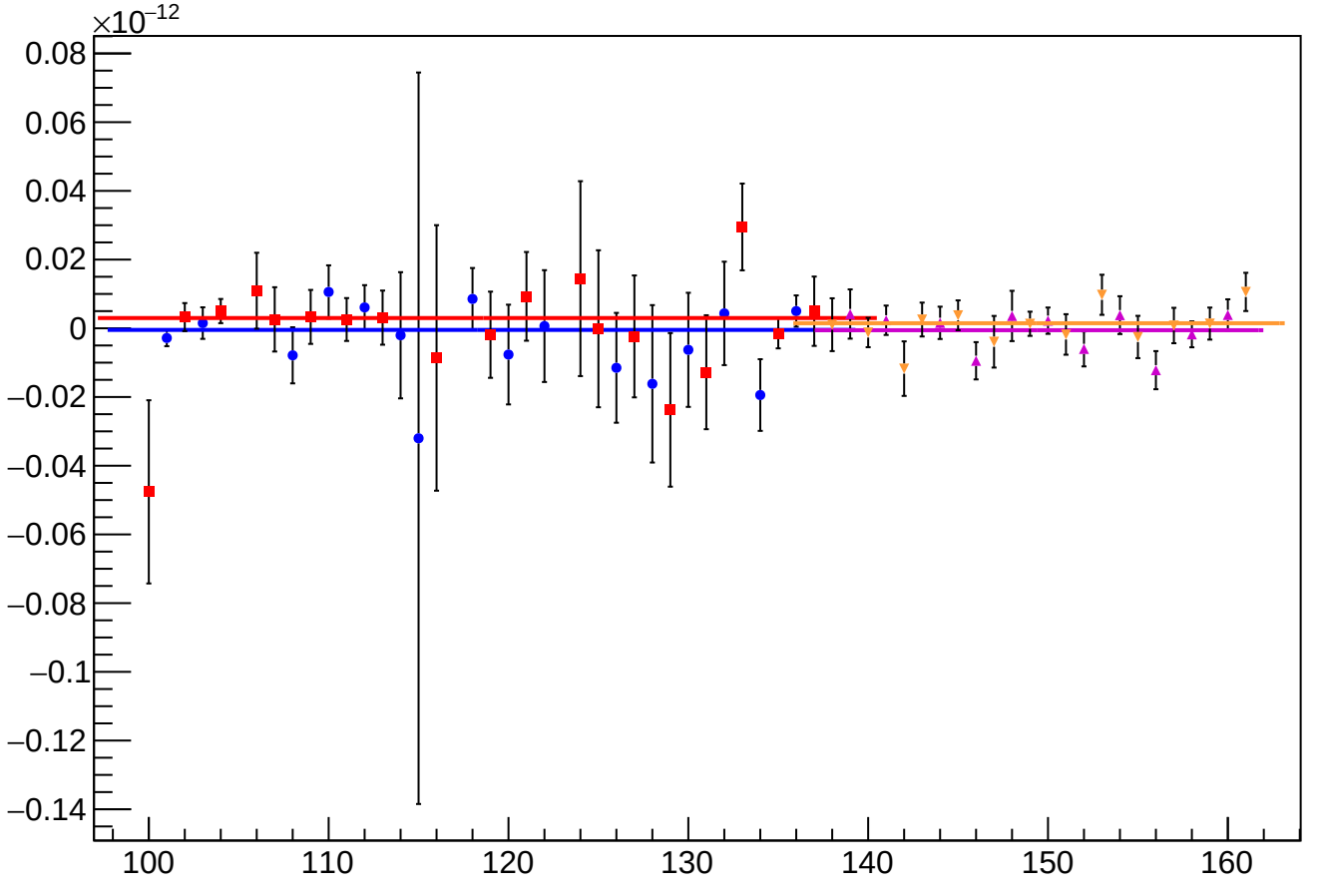
Left: 19.159+/-0.003 χ^2/NDF: 1354488.4/23

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.639+/-0.003 χ^2/NDF:1567712.0/26

Out: 18.128+/-0.003 χ^2/NDF:1935413.6/31

All: 17.884+/-0.002 χ^2/NDF: 3514635.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

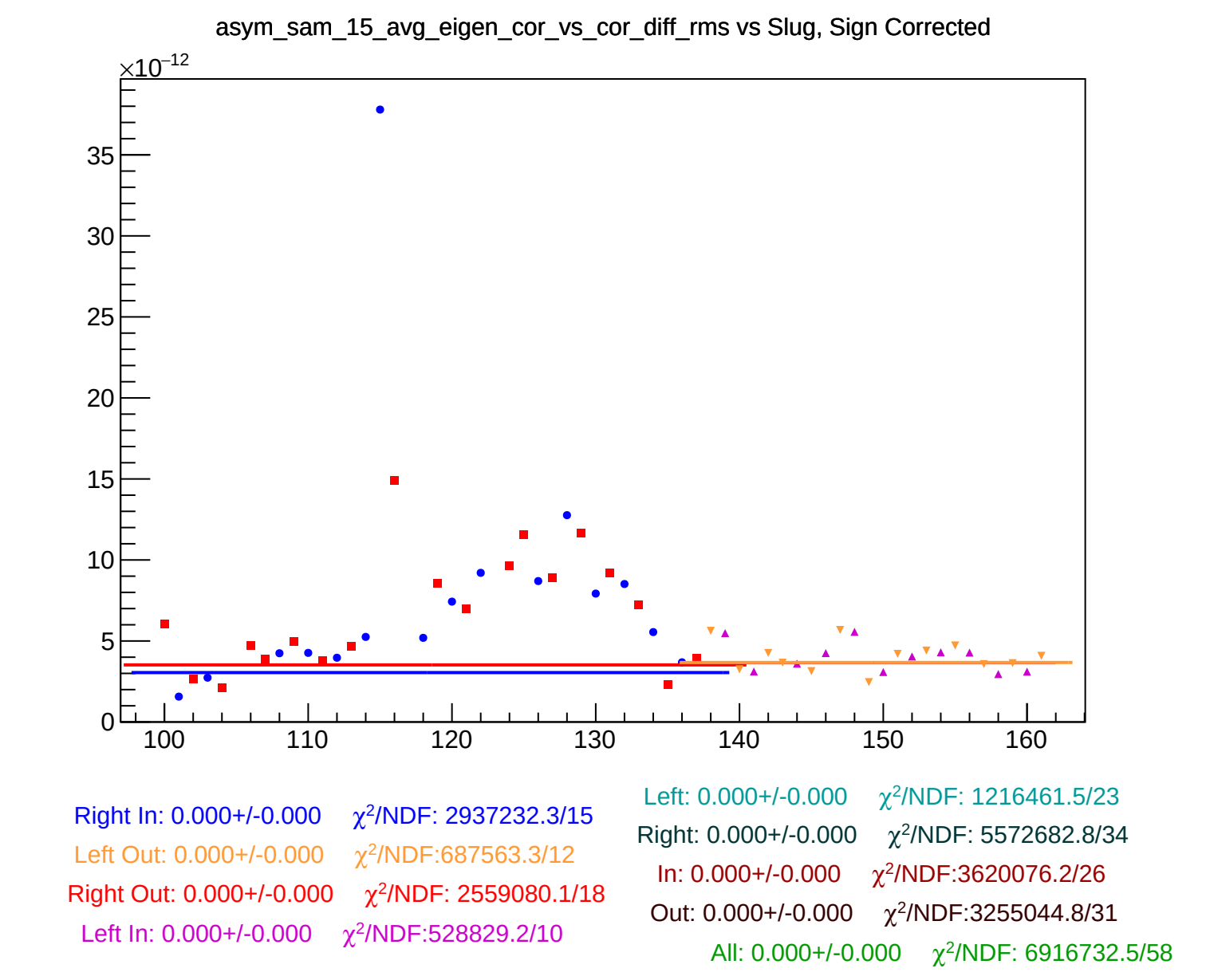
Left: 0.000+/-0.000 χ^2/NDF: 22.3/23

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

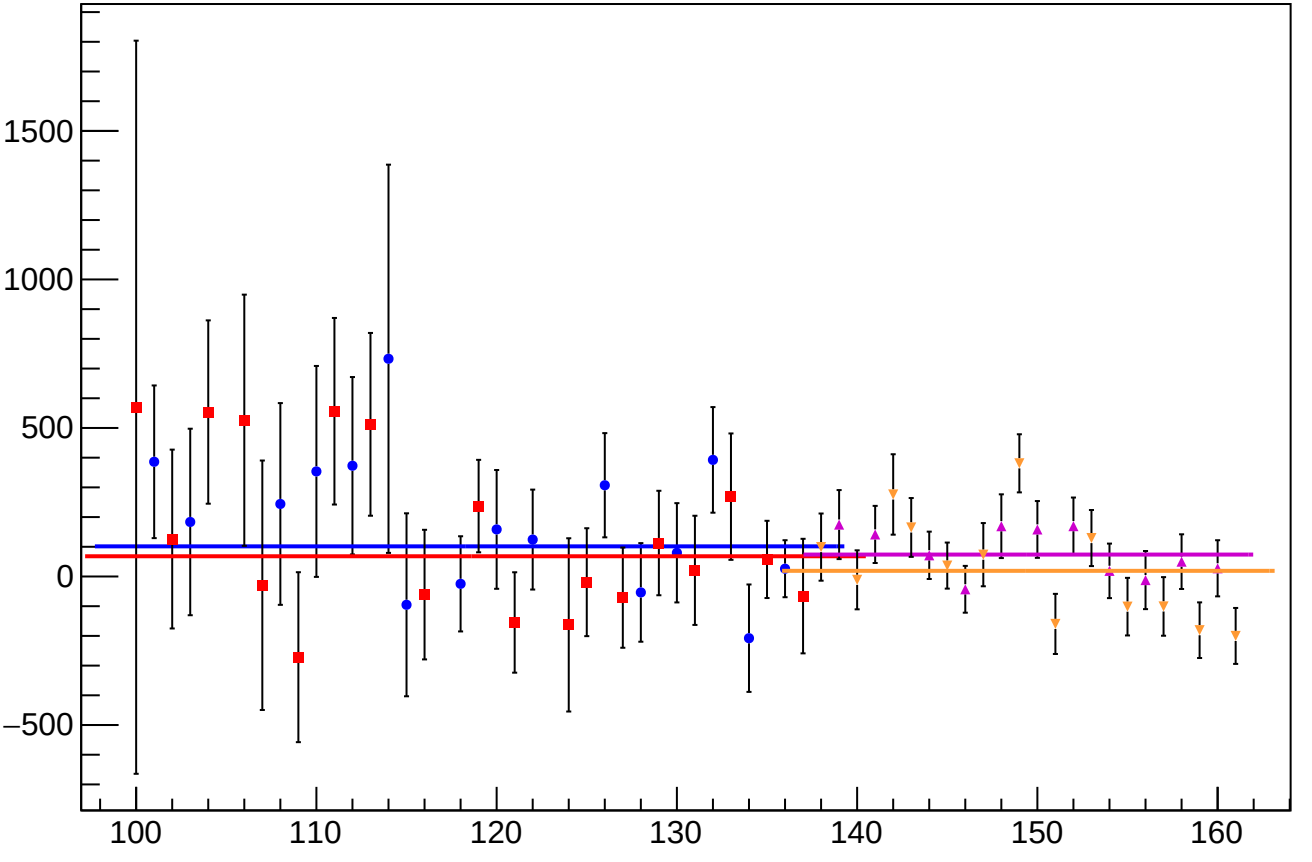
In: -0.000+/-0.000 χ^2/NDF:24.2/26

Out: 0.000+/-0.000 χ^2/NDF:22.9/31

All: 0.000+/-0.000 χ^2/NDF: 49.8/58


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:687563.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:528829.2/10
Left: 0.000+/-0.000 χ²/NDF: 1216461.5/23
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3620076.2/26
Out: 0.000+/-0.000 χ²/NDF:3255044.8/31
All: 0.000+/-0.000 χ²/NDF: 6916732.5/58

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 19.028+/-27.307 χ^2/NDF:37.9/12

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 73.804+/-28.192 χ^2/NDF:7.4/10

Left: 45.543+/-19.614 χ^2/NDF: 47.3/23

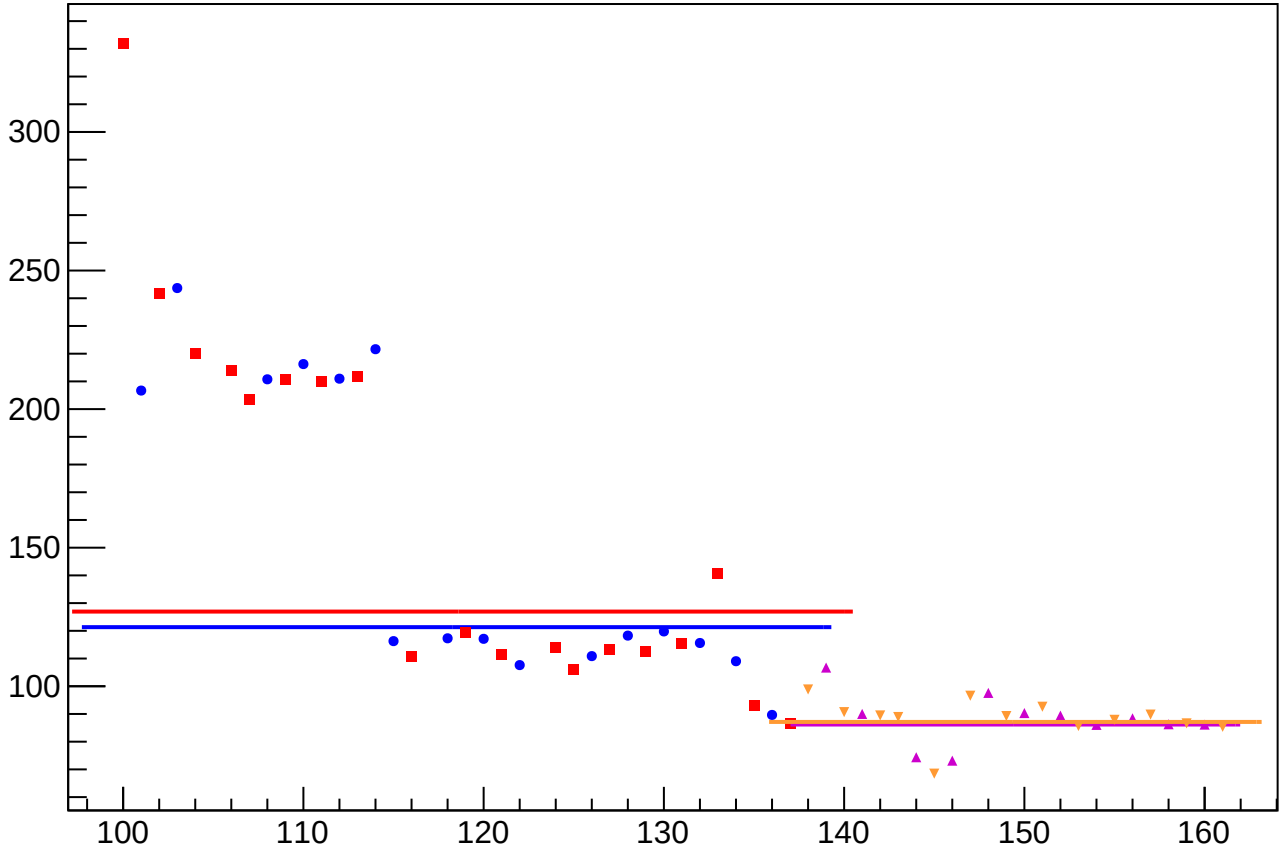
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 80.979+/-24.261 χ^2/NDF:21.1/26

Out: 30.541+/-23.890 χ^2/NDF:54.7/31

All: 55.372+/-17.023 χ^2/NDF: 78.0/58

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

Left: 86.673+/-0.014 χ^2/NDF: 361708.5/23

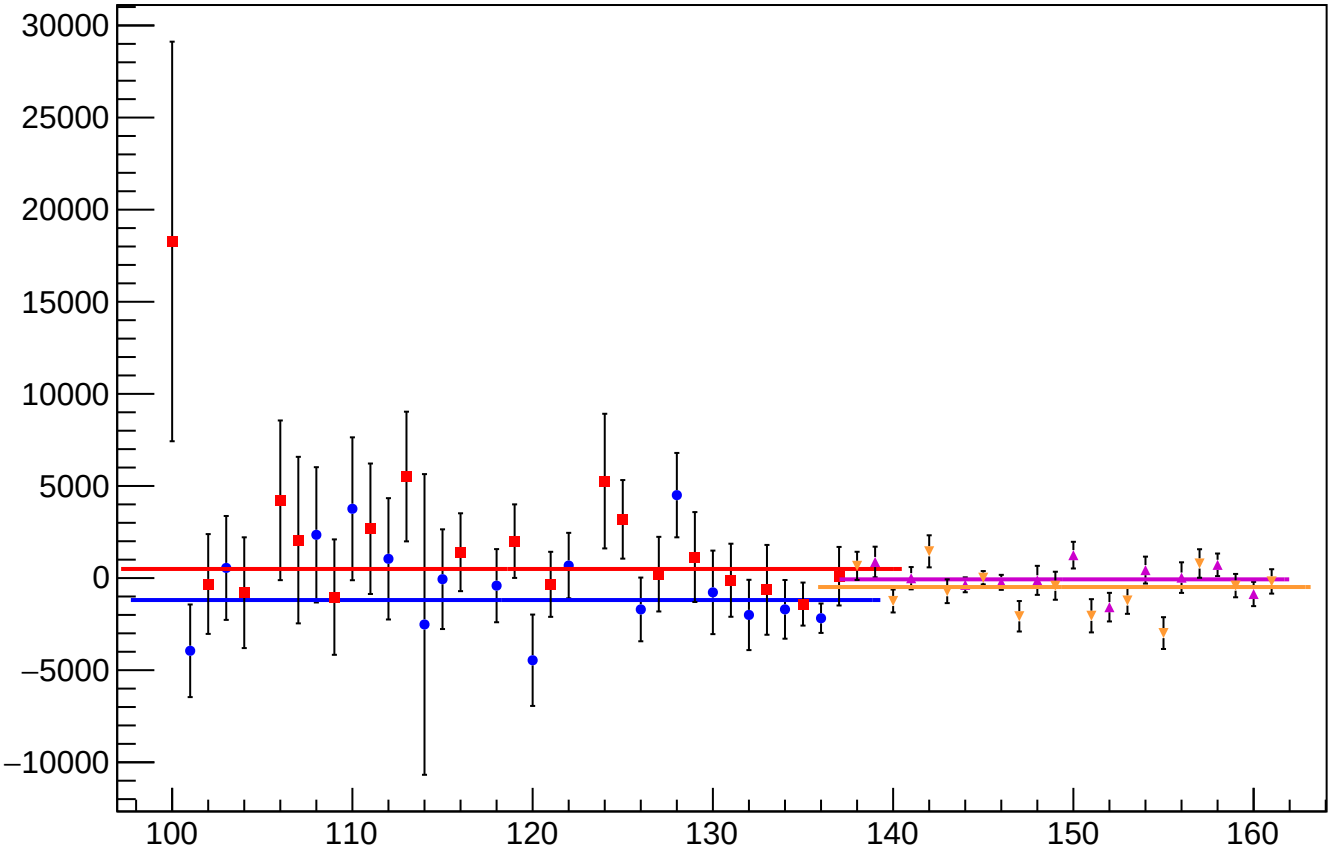
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 95.306+/-0.017 χ^2/NDF:2286617.2/26

Out: 96.466+/-0.017 χ^2/NDF:2635689.7/31

All: 95.895+/-0.012 χ^2/NDF: 4924629.3/58

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: -485.716+/-183.331 χ^2/NDF:29.8/12

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -68.893+/-183.243 χ^2/NDF:12.7/10

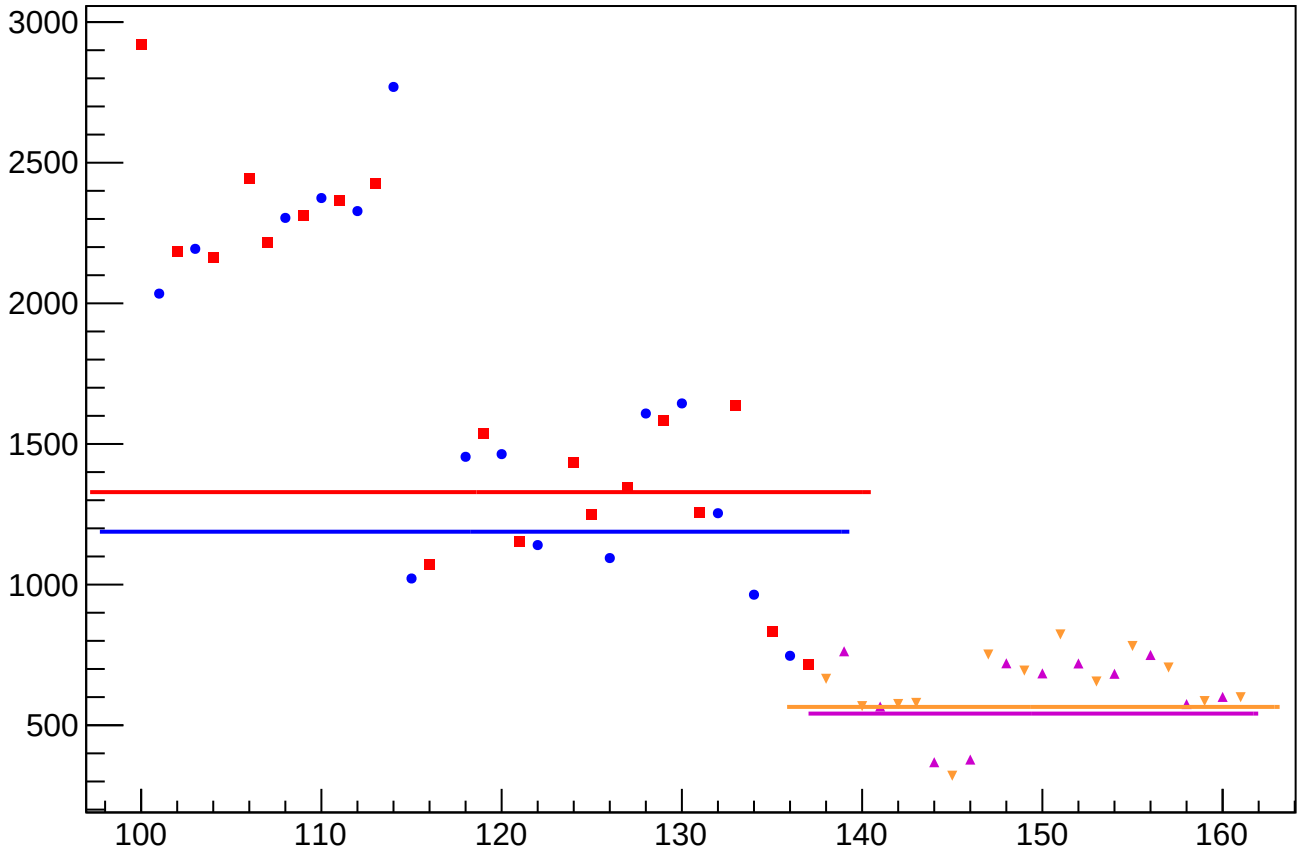
Left: -277.205+/-129.604 χ^2/NDF: 45.1/23

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -212.343+/-171.143 χ^2/NDF:33.4/26

Out: -377.981+/-172.964 χ^2/NDF:46.8/31

All: -294.285+/-121.655 χ^2/NDF: 80.7/58



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500340.0/12

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 541.387+/-0.130 χ^2/NDF:1343633.1/10

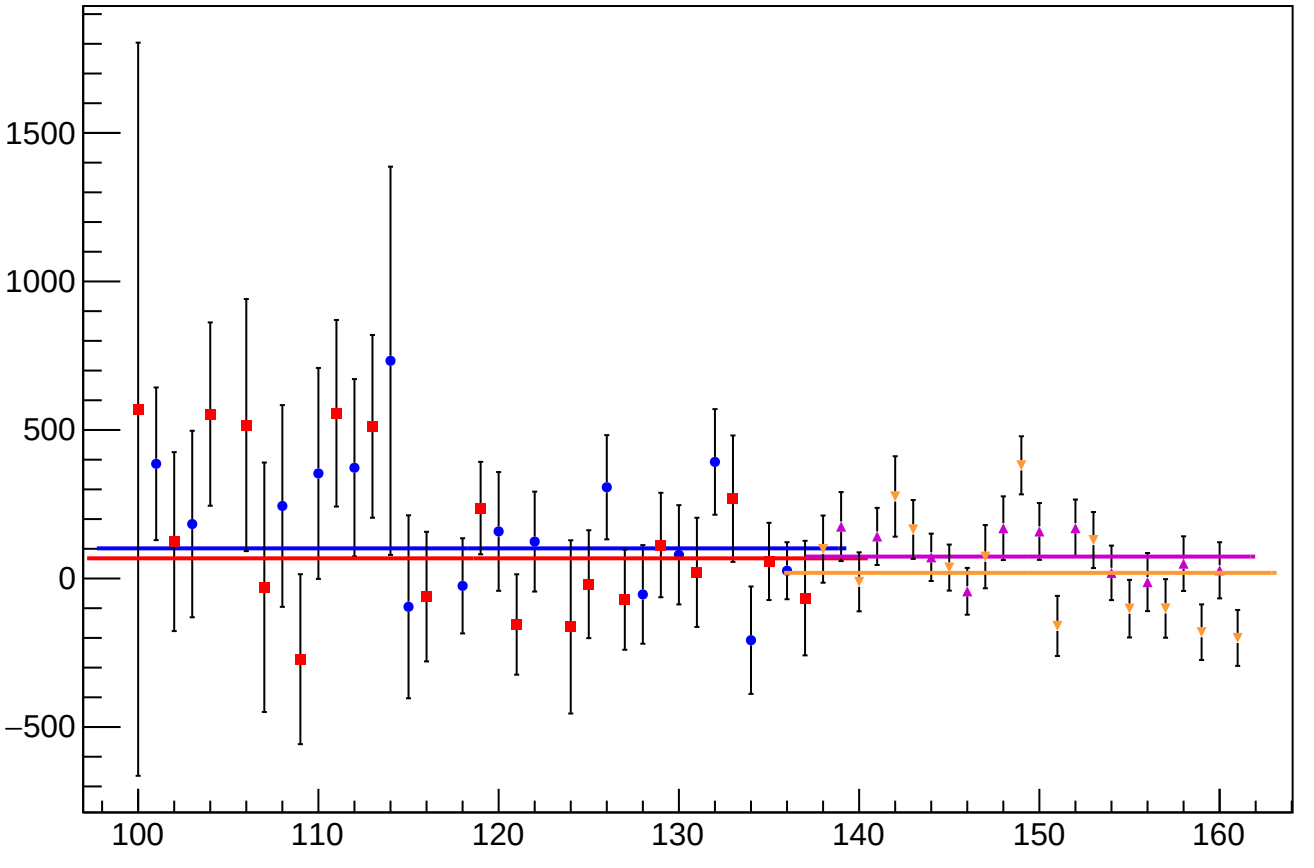
Left: 553.250+/-0.092 χ^2/NDF: 2860747.8/23

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 623.973+/-0.121 χ^2/NDF:6569321.8/26

Out: 649.051+/-0.122 χ^2/NDF:7272022.3/31

All: 636.379+/-0.086 χ^2/NDF: 13862590.3/58



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 19.033+/-27.307 χ^2/NDF:37.9/12

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 73.804+/-28.192 χ^2/NDF:7.5/10

Left: 45.545+/-19.614 χ^2/NDF: 47.3/23

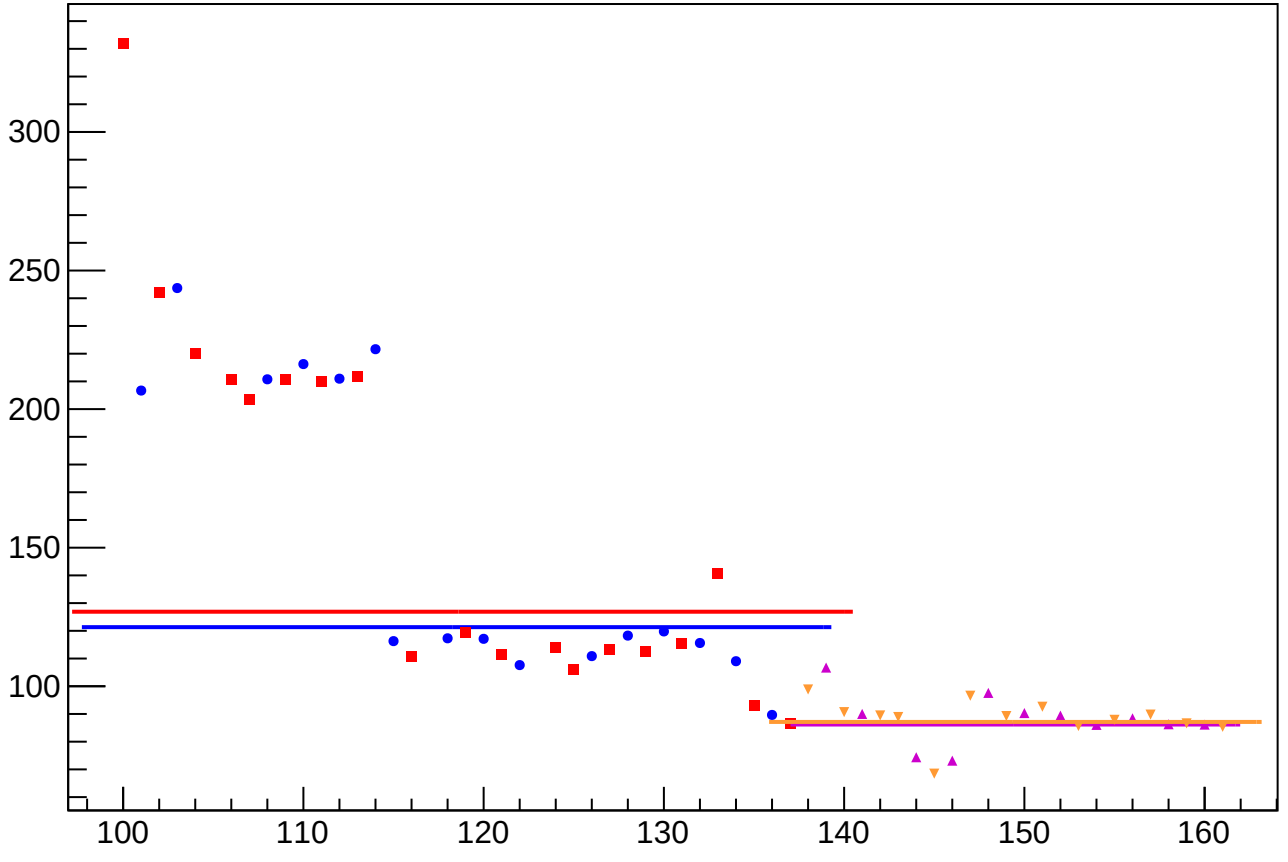
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 80.976+/-24.261 χ^2/NDF:21.0/26

Out: 30.490+/-23.891 χ^2/NDF:54.7/31

All: 55.345+/-17.023 χ^2/NDF: 77.9/58

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

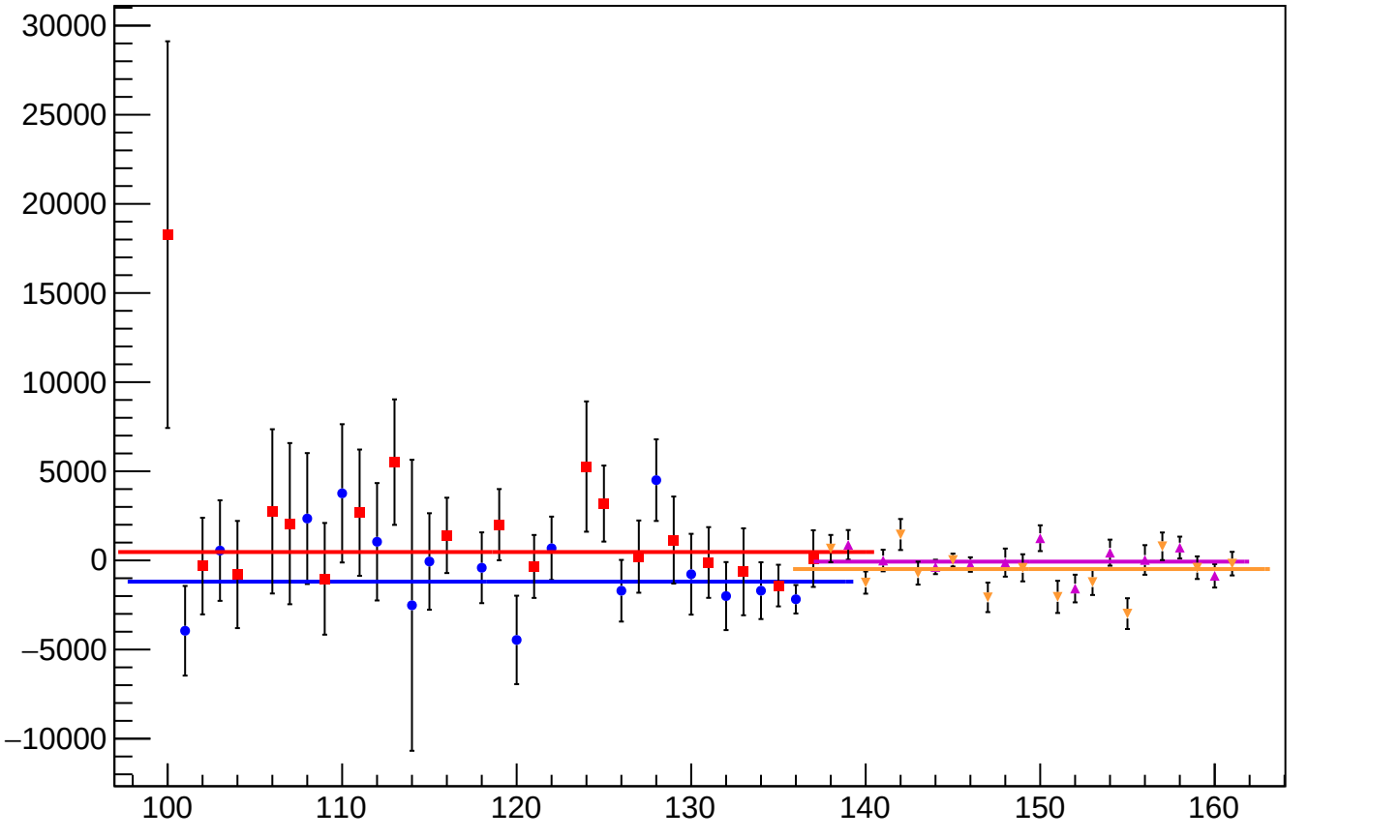
Left: 86.673+/-0.014 χ^2/NDF: 361708.5/23

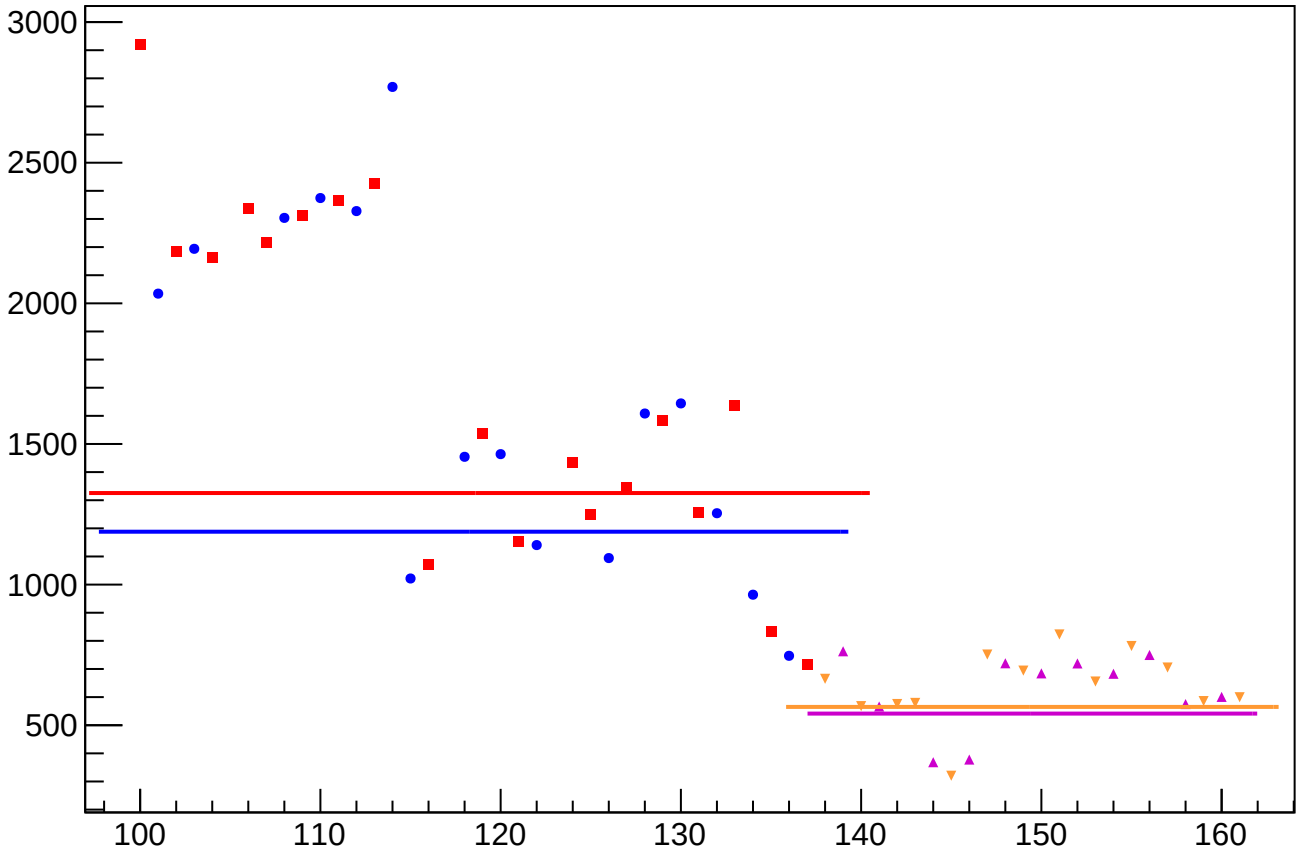
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.306+/-0.017 χ^2/NDF:2286619.5/26

Out: 96.454+/-0.017 χ^2/NDF:2626976.7/31

All: 95.889+/-0.012 χ^2/NDF: 4915868.3/58


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -485.707+/-183.331 χ²/NDF:29.8/12
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -68.888+/-183.243 χ²/NDF:12.7/10
Left: -277.198+/-129.604 χ²/NDF: 45.1/23
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -212.336+/-171.143 χ²/NDF:33.4/26
Out: -380.869+/-172.981 χ²/NDF:46.2/31
All: -295.702+/-121.661 χ²/NDF: 80.0/58



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500349.7/12

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

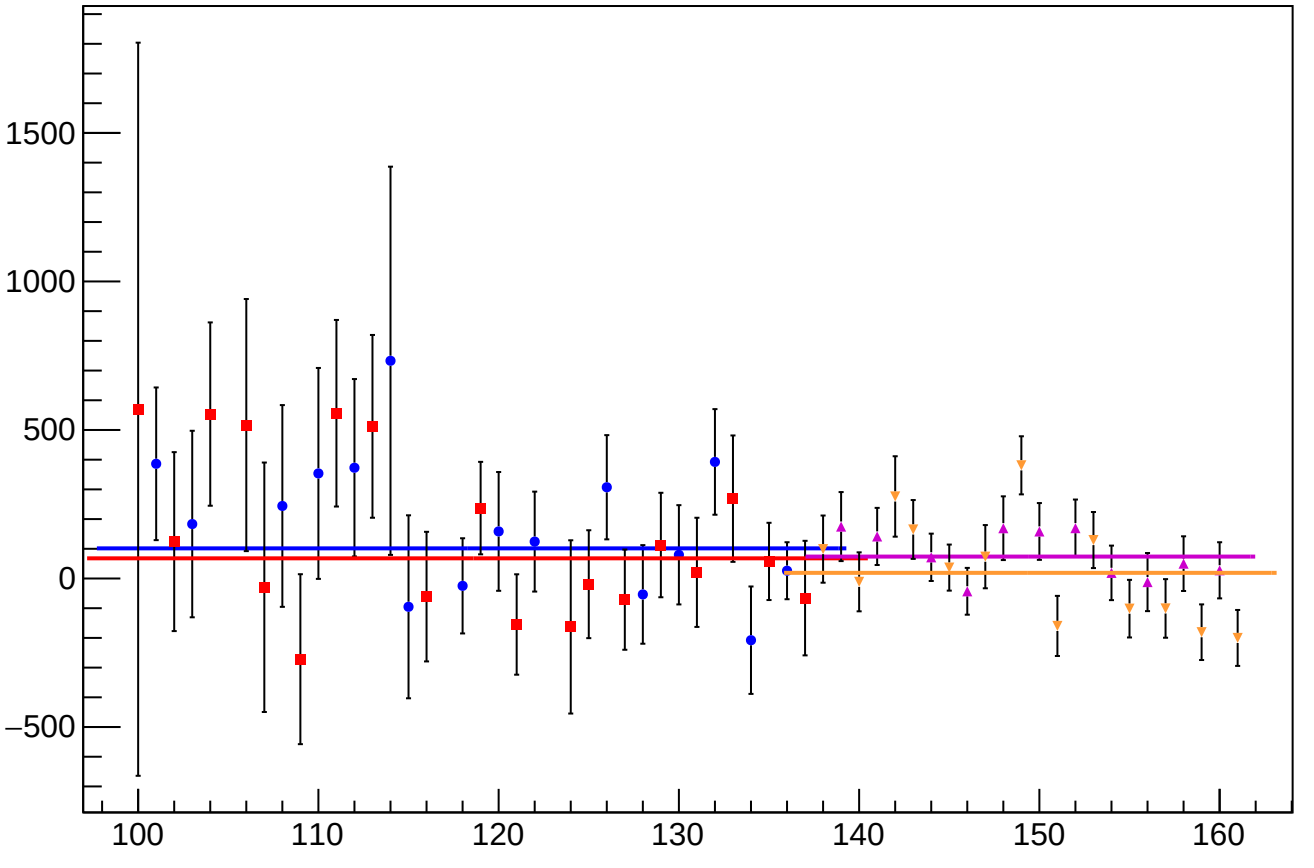
Left: 553.250+/-0.092 χ^2/NDF: 2860758.7/23

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.972+/-0.121 χ^2/NDF:6569344.6/26

Out: 648.566+/-0.122 χ^2/NDF:7197083.1/31

All: 636.138+/-0.086 χ^2/NDF: 13786857.8/58



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 19.033+/-27.307 χ^2/NDF:37.9/12

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 73.804+/-28.192 χ^2/NDF:7.5/10

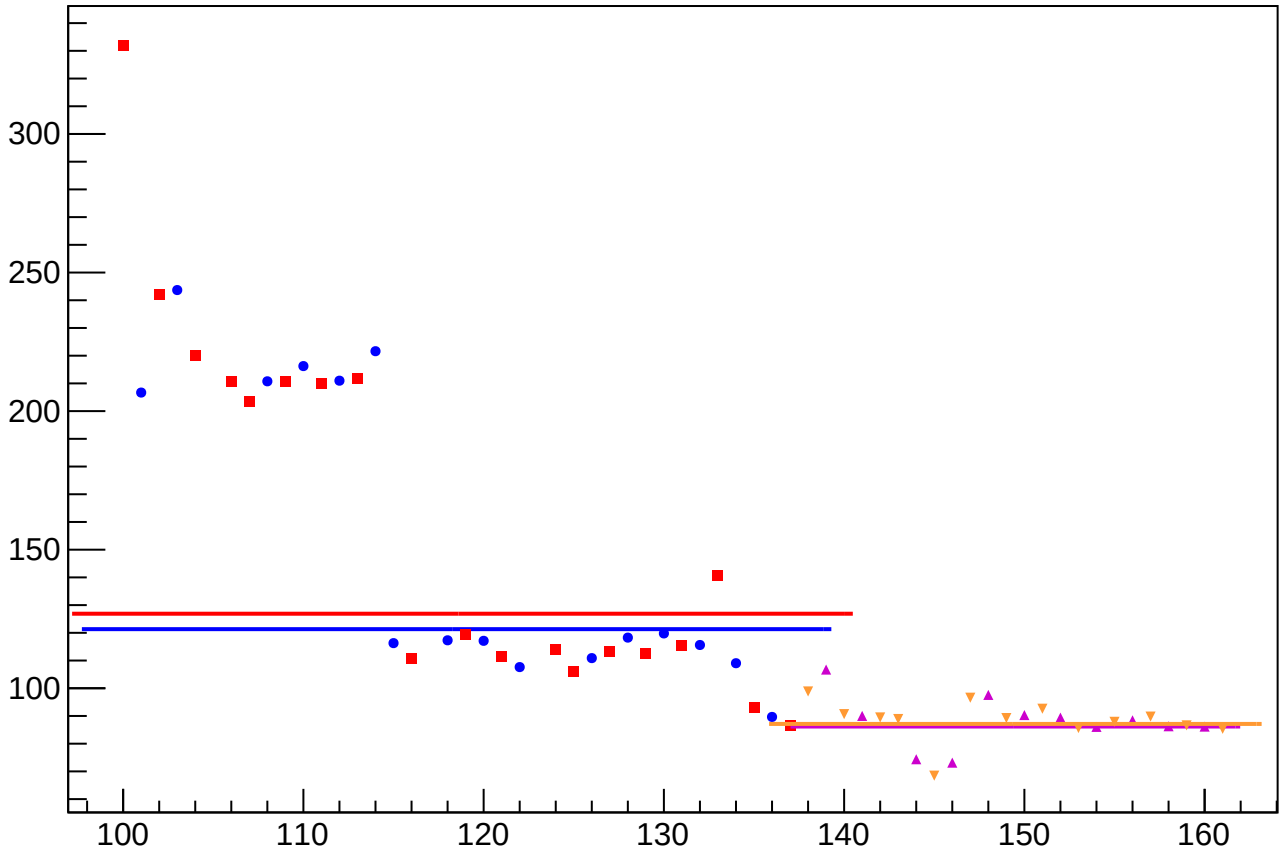
Left: 45.545+/-19.614 χ^2/NDF: 47.3/23

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 80.976+/-24.261 χ^2/NDF:21.0/26

Out: 30.490+/-23.891 χ^2/NDF:54.7/31

All: 55.345+/-17.023 χ^2/NDF: 77.9/58



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

Left: 86.673+/-0.014 χ^2/NDF: 361708.5/23

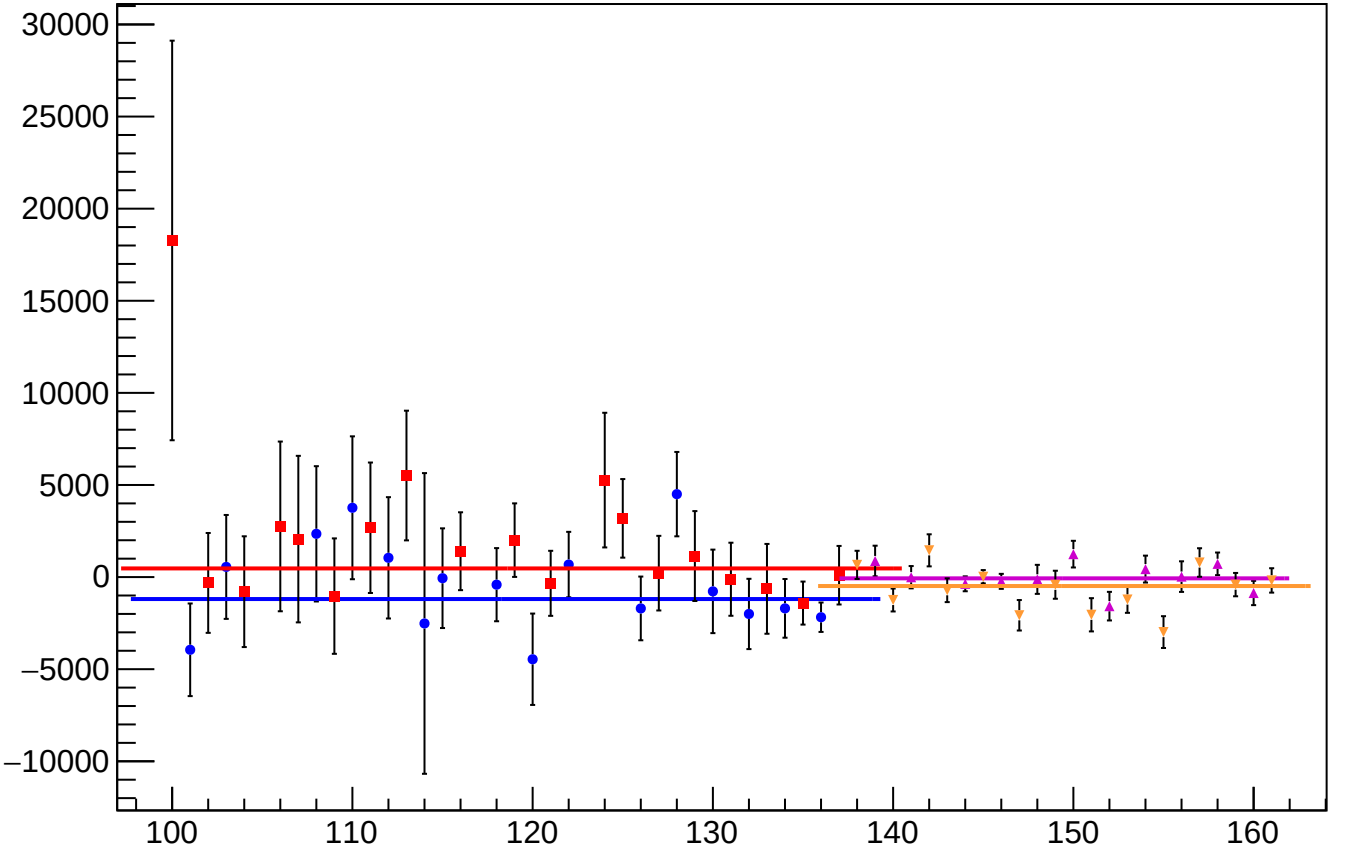
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 95.306+/-0.017 χ^2/NDF:2286619.5/26

Out: 96.454+/-0.017 χ^2/NDF:2626976.7/31

All: 95.889+/-0.012 χ^2/NDF: 4915868.3/58

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: -485.707+/-183.331 χ^2/NDF:29.8/12

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -68.888+/-183.243 χ^2/NDF:12.7/10

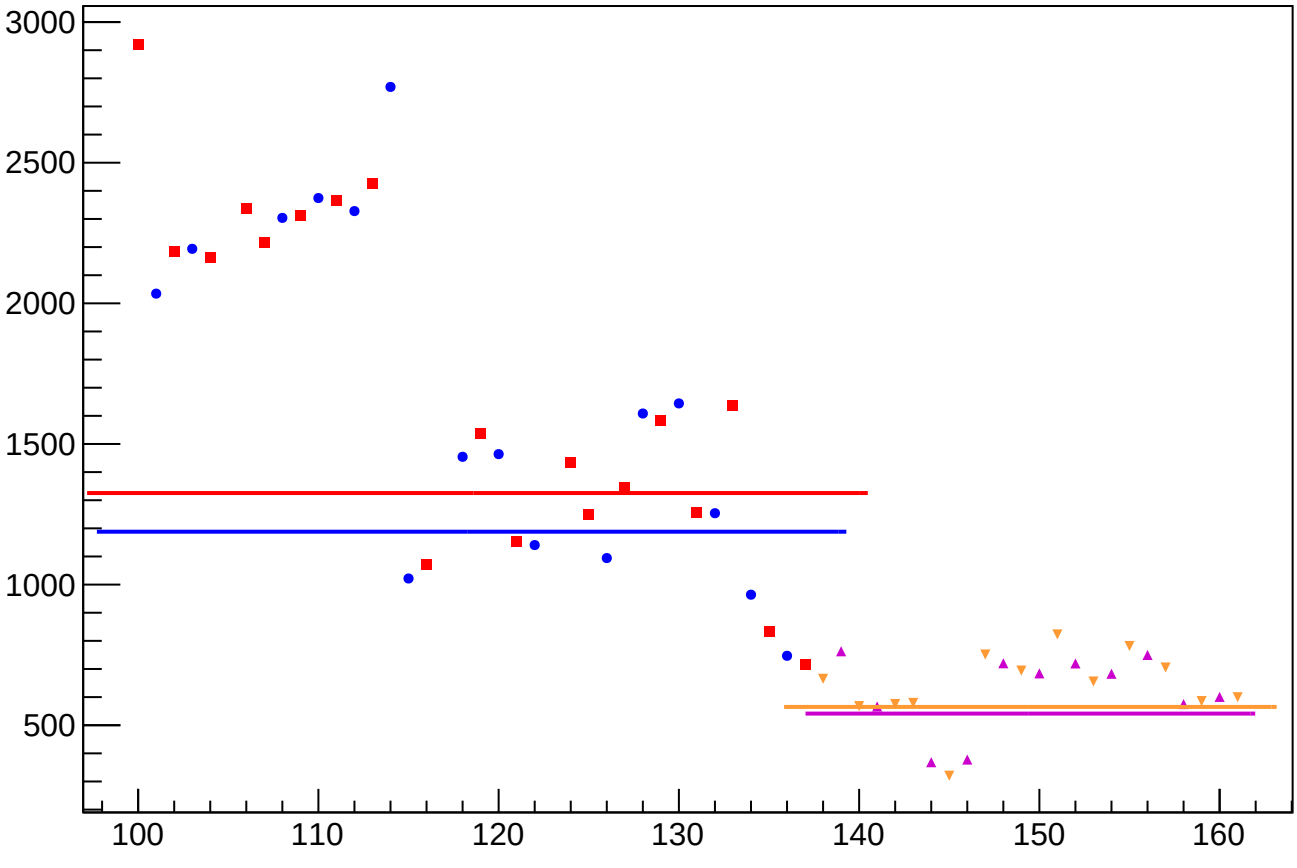
Left: -277.198+/-129.604 χ^2/NDF: 45.1/23

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -212.336+/-171.143 χ^2/NDF:33.4/26

Out: -380.869+/-172.981 χ^2/NDF:46.2/31

All: -295.702+/-121.661 χ^2/NDF: 80.0/58



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500349.7/12

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

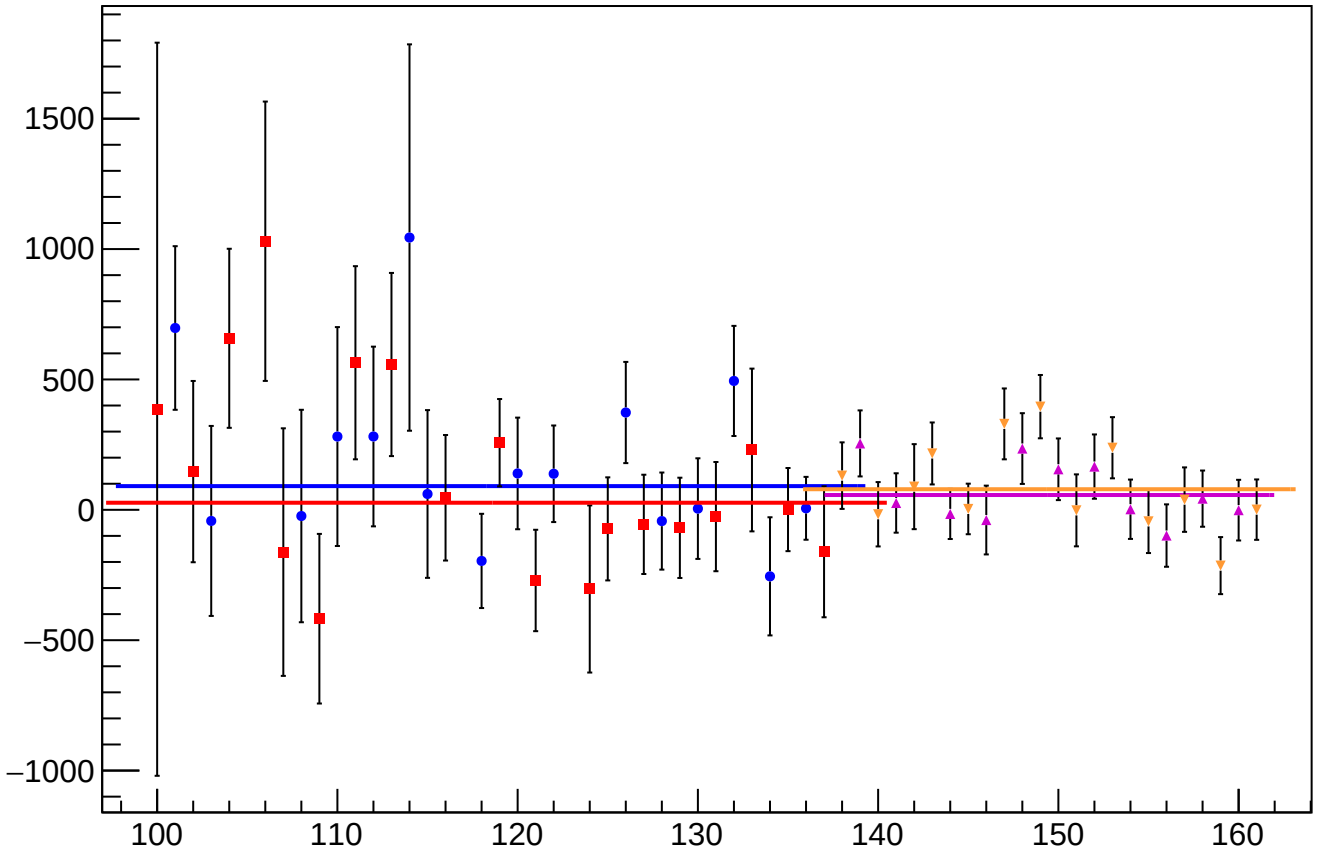
Left: 553.250+/-0.092 χ^2/NDF: 2860758.7/23

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.972+/-0.121 χ^2/NDF:6569344.6/26

Out: 648.566+/-0.122 χ^2/NDF:7197083.1/31

All: 636.138+/-0.086 χ^2/NDF: 13786857.8/58



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 78.977+/-33.705 χ^2/NDF:23.9/12

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 56.782+/-35.277 χ^2/NDF:9.0/10

Left: 68.385+/-24.370 χ^2/NDF: 33.1/23

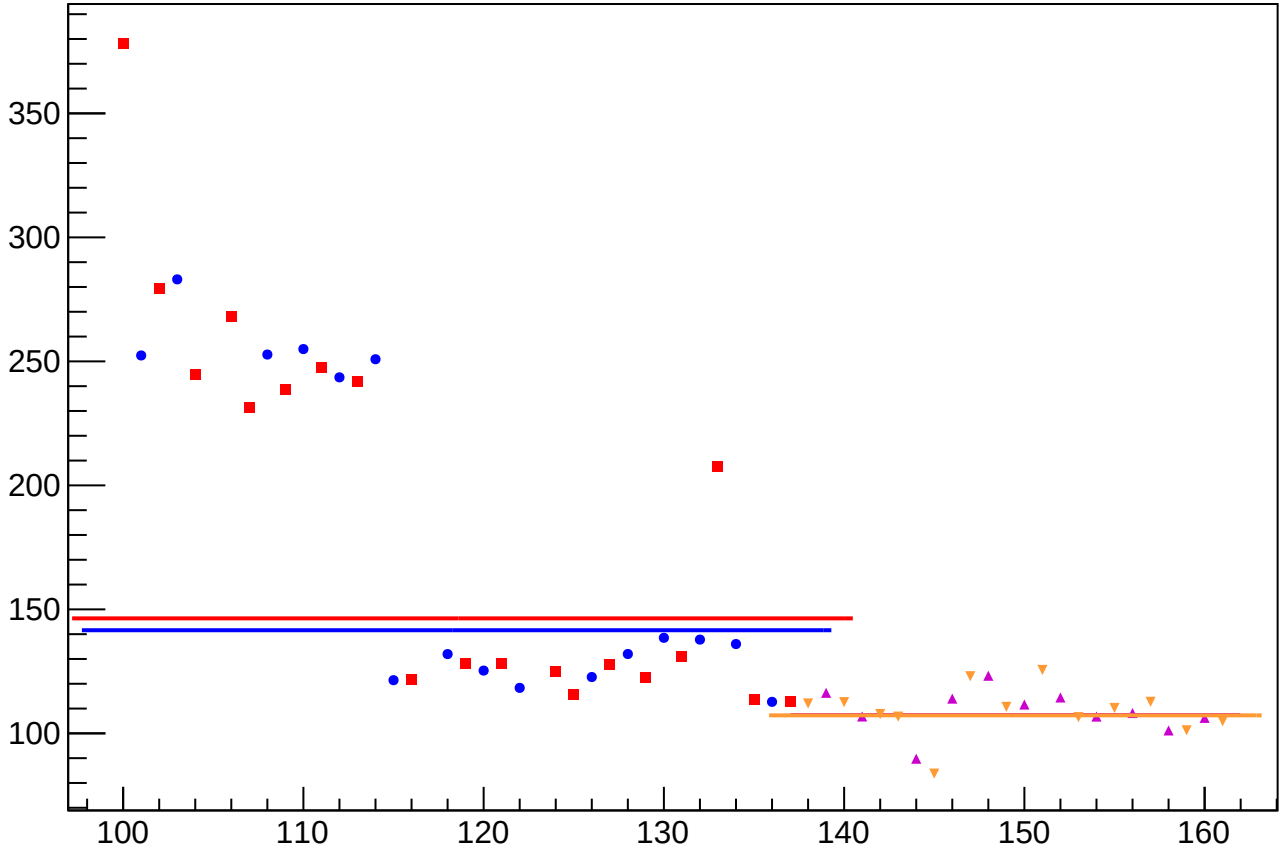
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 66.586+/-29.782 χ^2/NDF:27.3/26

Out: 65.561+/-29.014 χ^2/NDF:45.0/31

All: 66.060+/-20.782 χ^2/NDF: 72.4/58

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.265+/-0.024 χ^2/NDF:199892.1/12

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.408+/-0.025 χ^2/NDF:125598.9/10

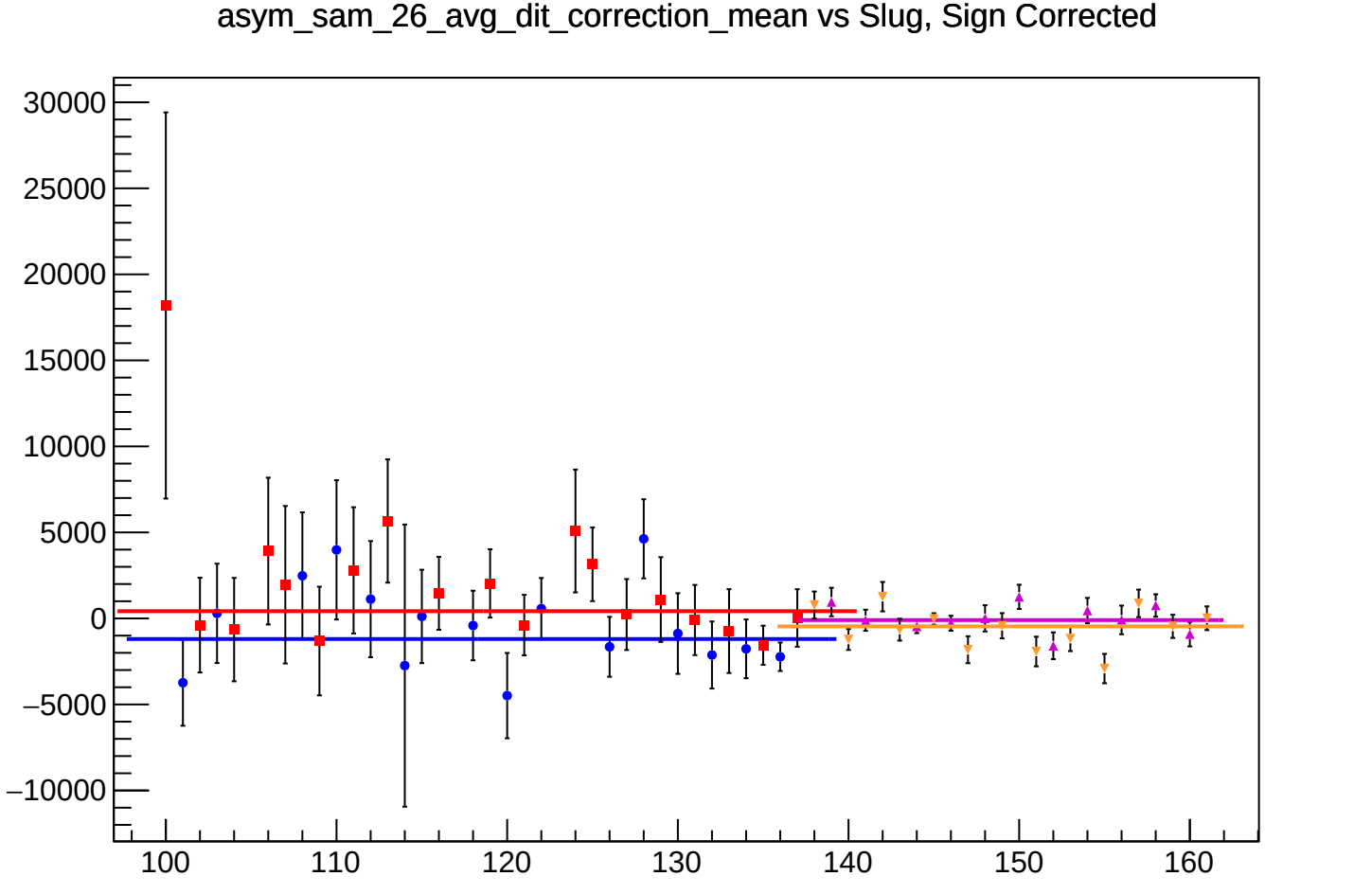
Left: 107.333+/-0.017 χ^2/NDF: 325508.2/23

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

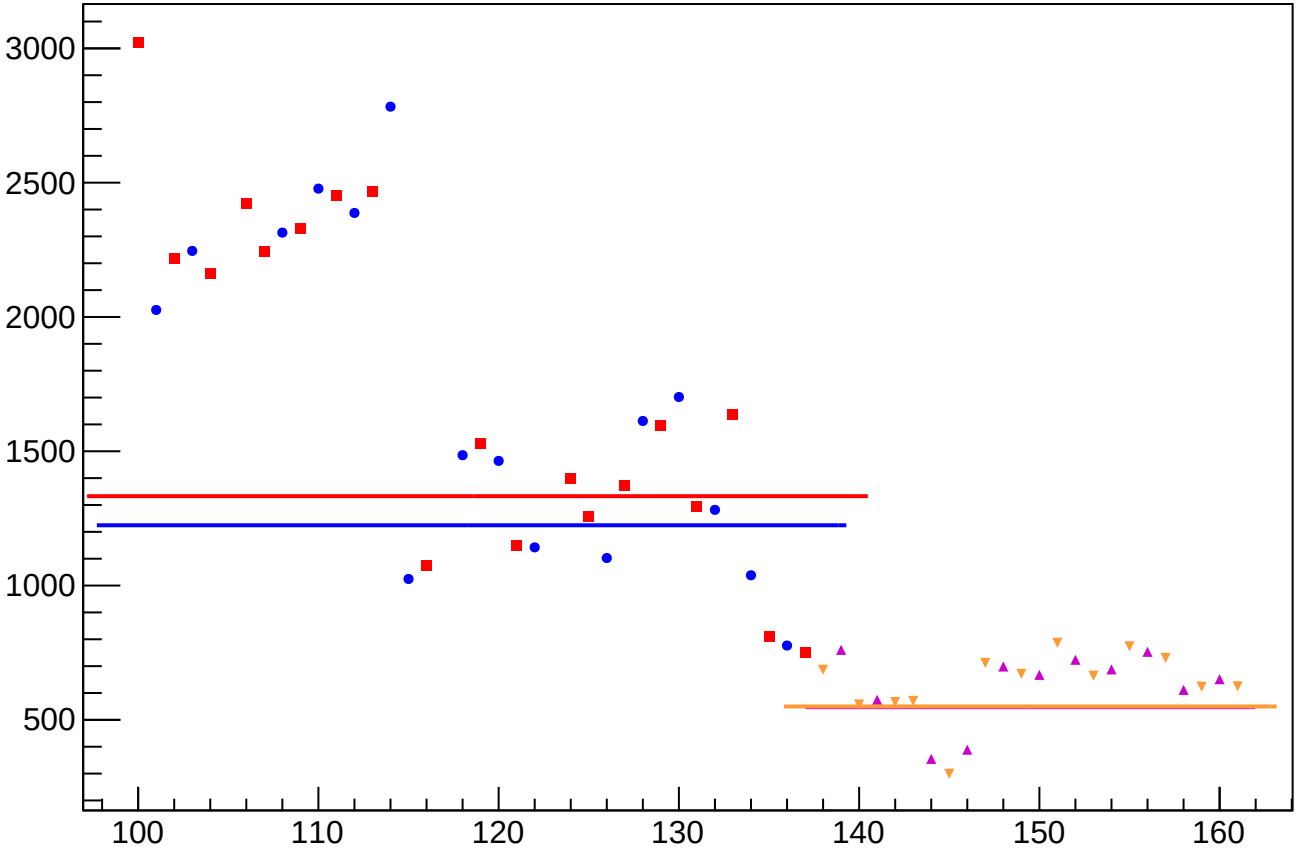
In: 117.226+/-0.021 χ^2/NDF:1927305.0/26

Out: 117.391+/-0.021 χ^2/NDF:2410694.8/31

All: 117.311+/-0.015 χ^2/NDF: 4338031.2/58


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -462.032+/-179.421 χ²/NDF:28.2/12
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -95.852+/-185.942 χ²/NDF:13.6/10
Left: -285.476+/-129.114 χ²/NDF: 43.8/23
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -233.734+/-173.908 χ²/NDF:33.9/26
Out: -369.194+/-169.740 χ²/NDF:45.0/31
All: -303.106+/-121.471 χ²/NDF: 79.3/58

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 549.847+/-0.127 χ^2/NDF:1815151.6/12

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 547.129+/-0.131 χ^2/NDF:1383623.6/10

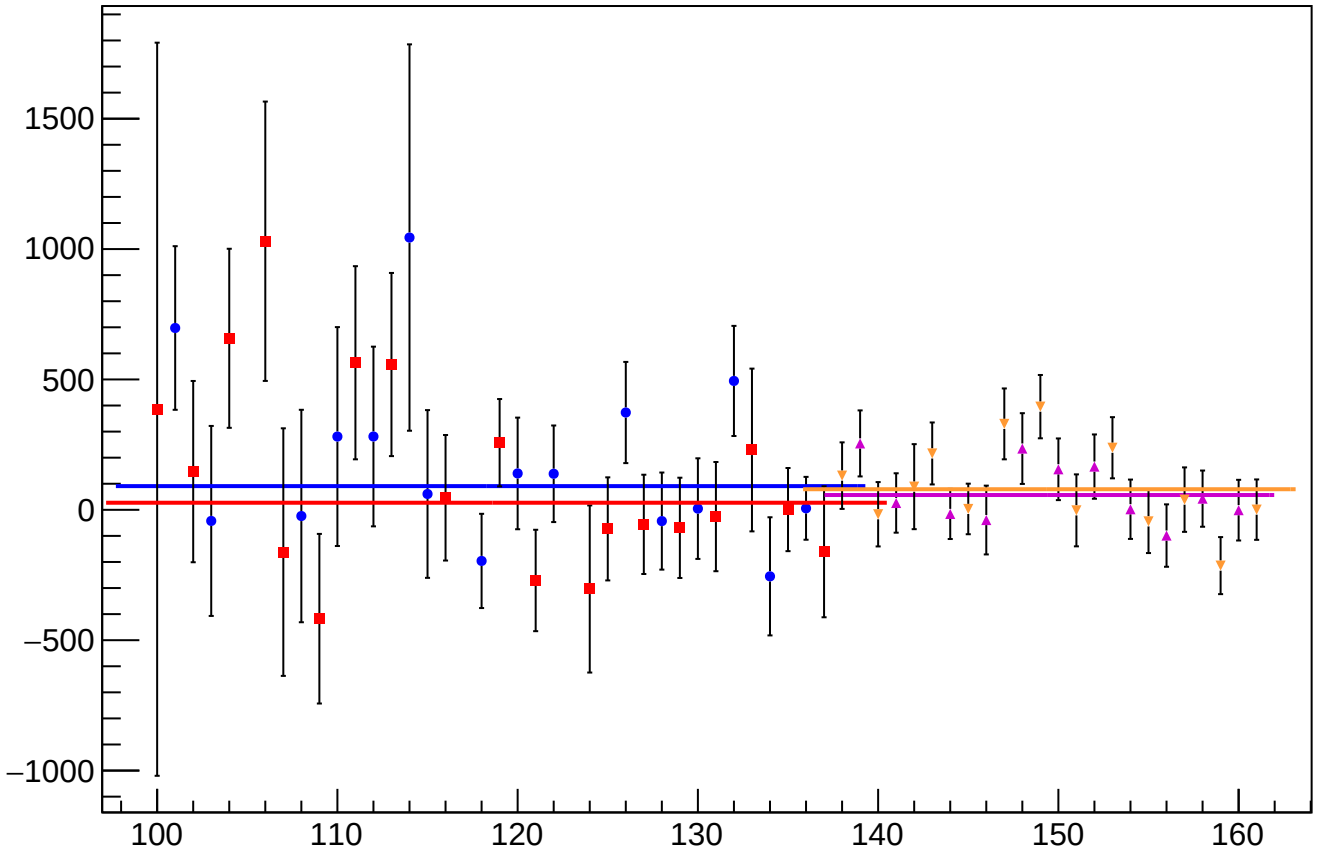
Left: 548.536+/-0.091 χ^2/NDF: 3198996.5/23

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 631.970+/-0.123 χ^2/NDF:6667163.3/26

Out: 632.054+/-0.120 χ^2/NDF:7808685.2/31

All: 632.013+/-0.086 χ^2/NDF: 14475848.7/58



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 78.977+/-33.705 χ^2/NDF:23.9/12

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 56.780+/-35.277 χ^2/NDF:9.0/10

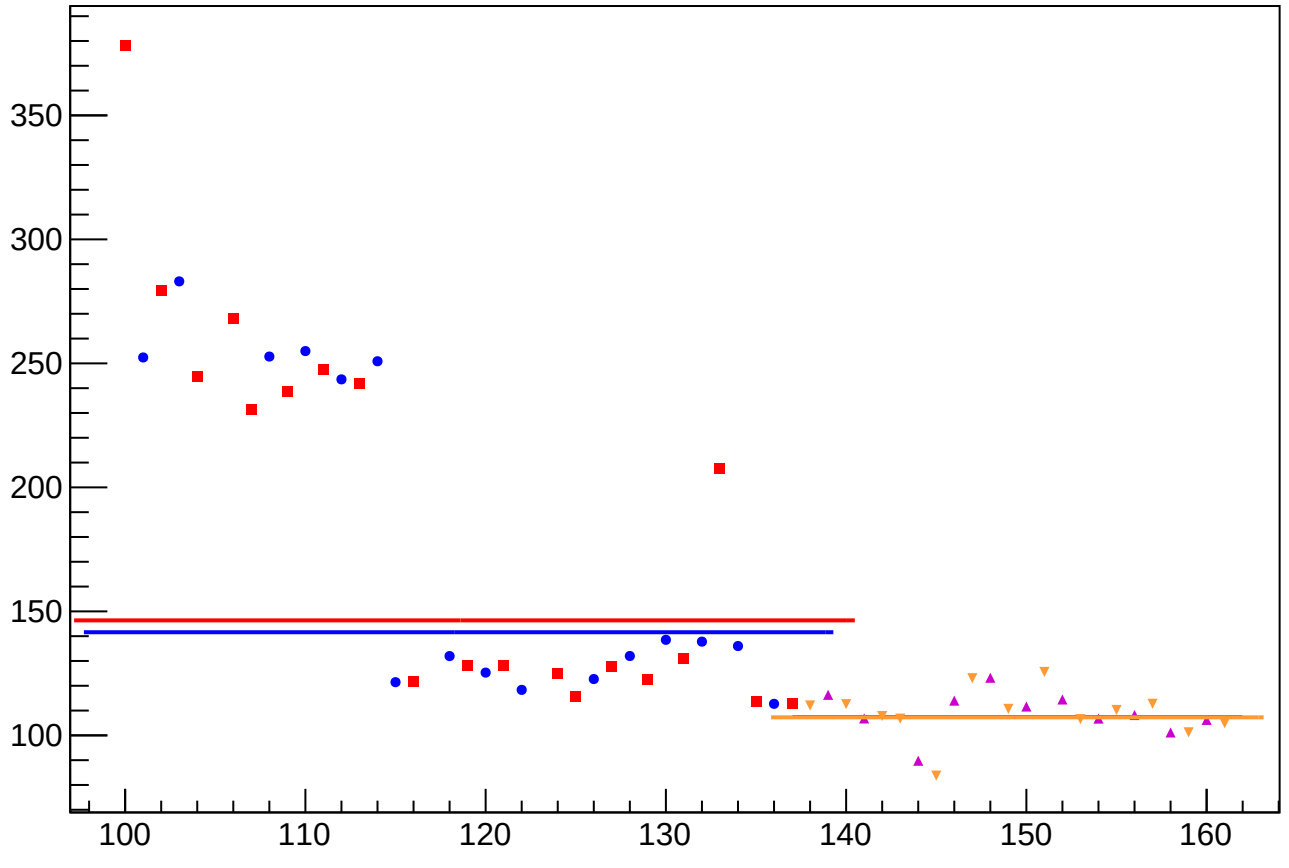
Left: 68.384+/-24.370 χ^2/NDF: 33.1/23

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 66.585+/-29.782 χ^2/NDF:27.3/26

Out: 65.561+/-29.014 χ^2/NDF:45.0/31

All: 66.060+/-20.782 χ^2/NDF: 72.4/58



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.265+/-0.024 χ^2/NDF:199885.0/12

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.408+/-0.025 χ^2/NDF:125597.6/10

Left: 107.333+/-0.017 χ^2/NDF: 325499.7/23

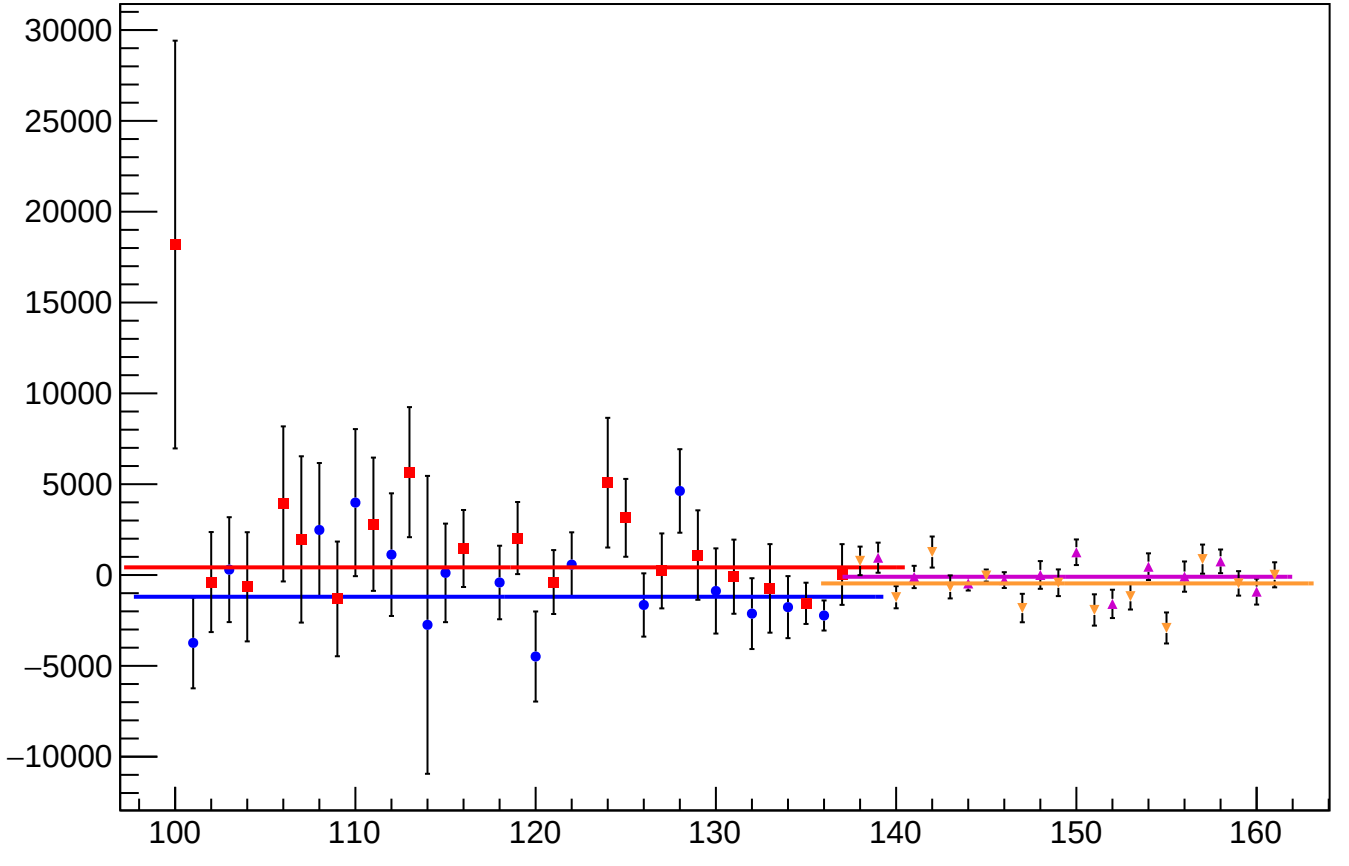
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 117.226+/-0.021 χ^2/NDF:1927259.2/26

Out: 117.391+/-0.021 χ^2/NDF:2410649.7/31

All: 117.311+/-0.015 χ^2/NDF: 4337940.3/58

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: -462.030+/-179.420 χ^2/NDF:28.2/12

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -95.852+/-185.942 χ^2/NDF:13.6/10

Left: -285.475+/-129.113 χ^2/NDF: 43.8/23

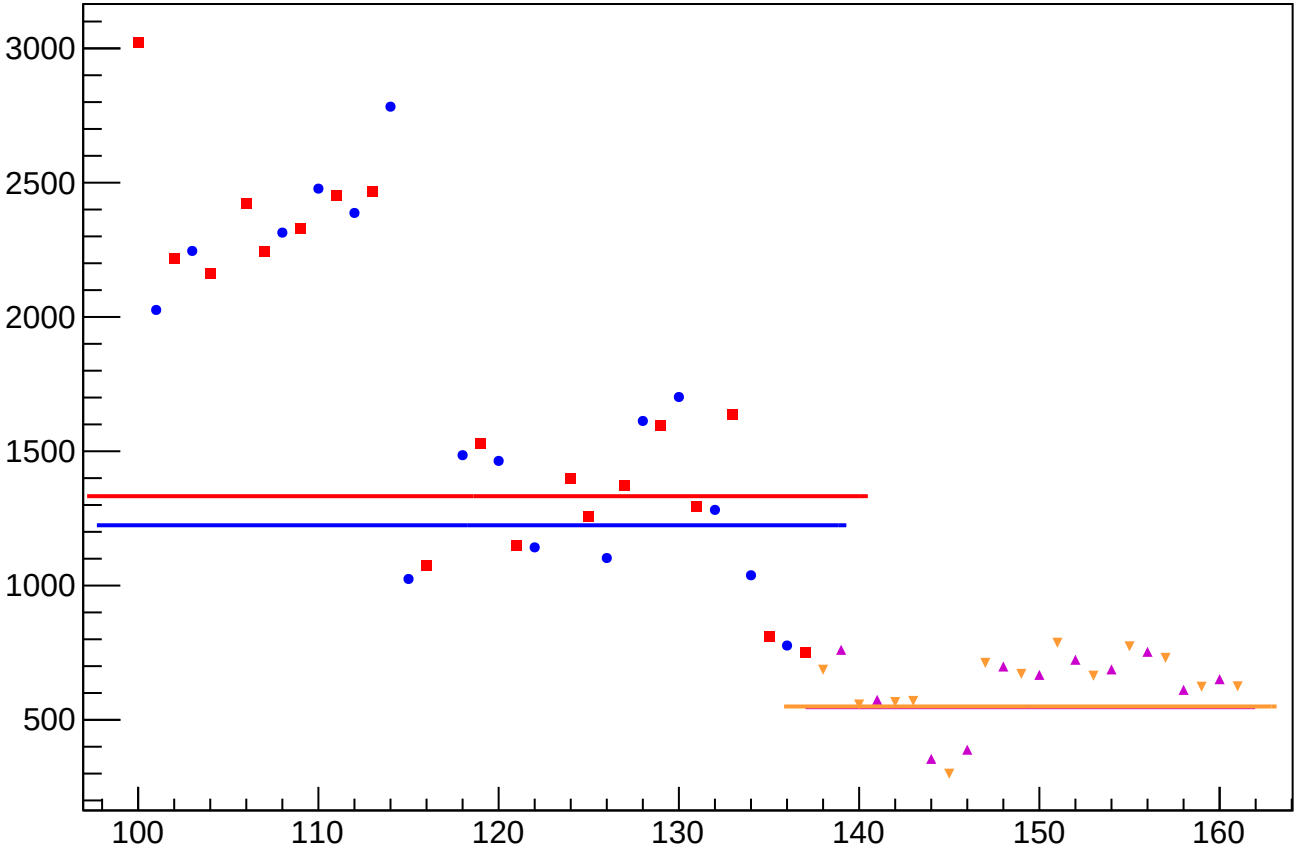
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -233.734+/-173.908 χ^2/NDF:33.9/26

Out: -369.192+/-169.740 χ^2/NDF:45.0/31

All: -303.105+/-121.471 χ^2/NDF: 79.3/58

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 549.845+/-0.127 χ^2/NDF:1815198.6/12

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 547.128+/-0.131 χ^2/NDF:1383641.3/10

Left: 548.535+/-0.091 χ^2/NDF: 3199061.0/23

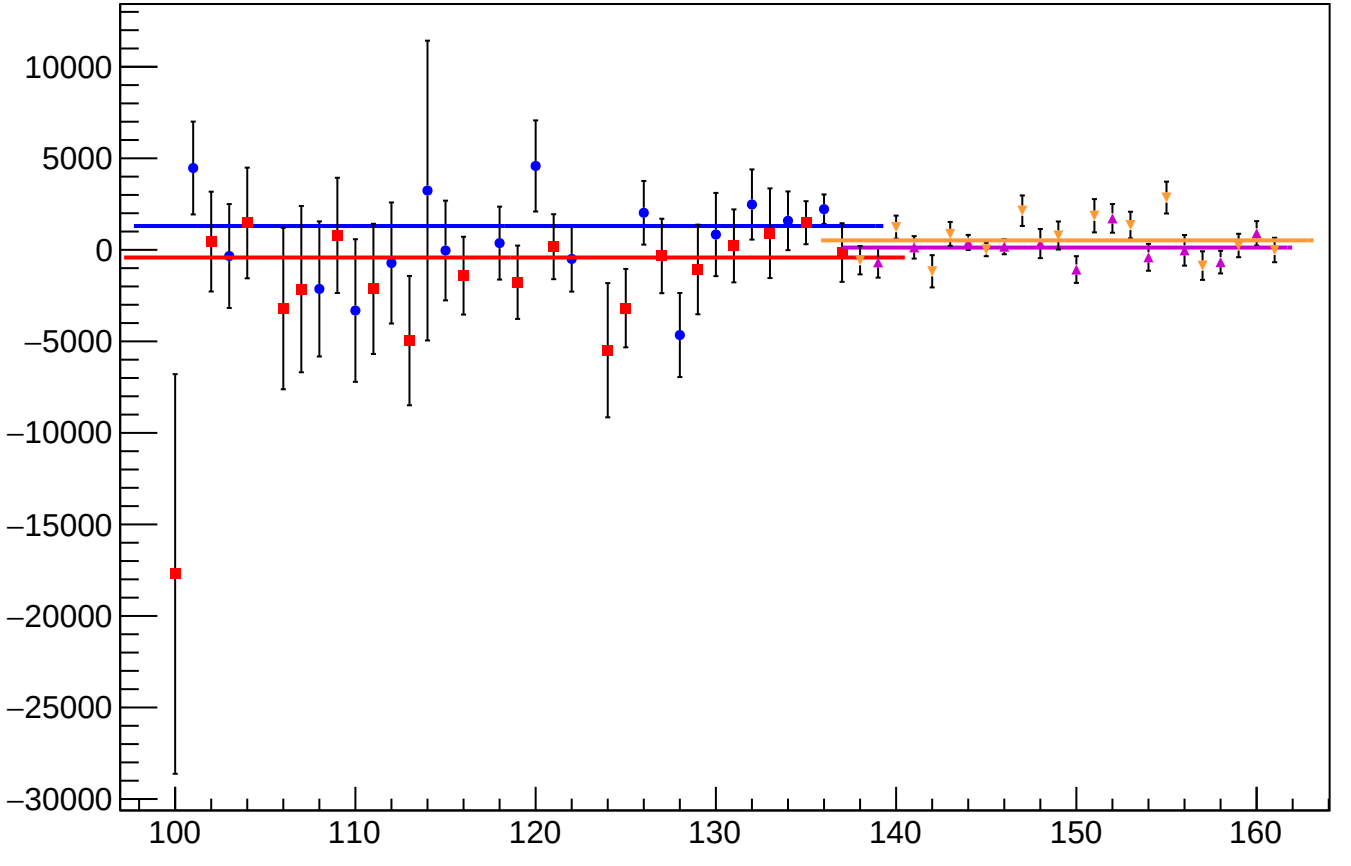
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 631.969+/-0.123 χ^2/NDF:6667173.7/26

Out: 632.052+/-0.120 χ^2/NDF:7808739.2/31

All: 632.011+/-0.086 χ^2/NDF: 14475913.2/58

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 518.462+/-185.826 χ^2/NDF:27.6/12

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 124.973+/-185.925 χ^2/NDF:11.9/10

Left: 321.822+/-131.434 χ^2/NDF: 41.7/23

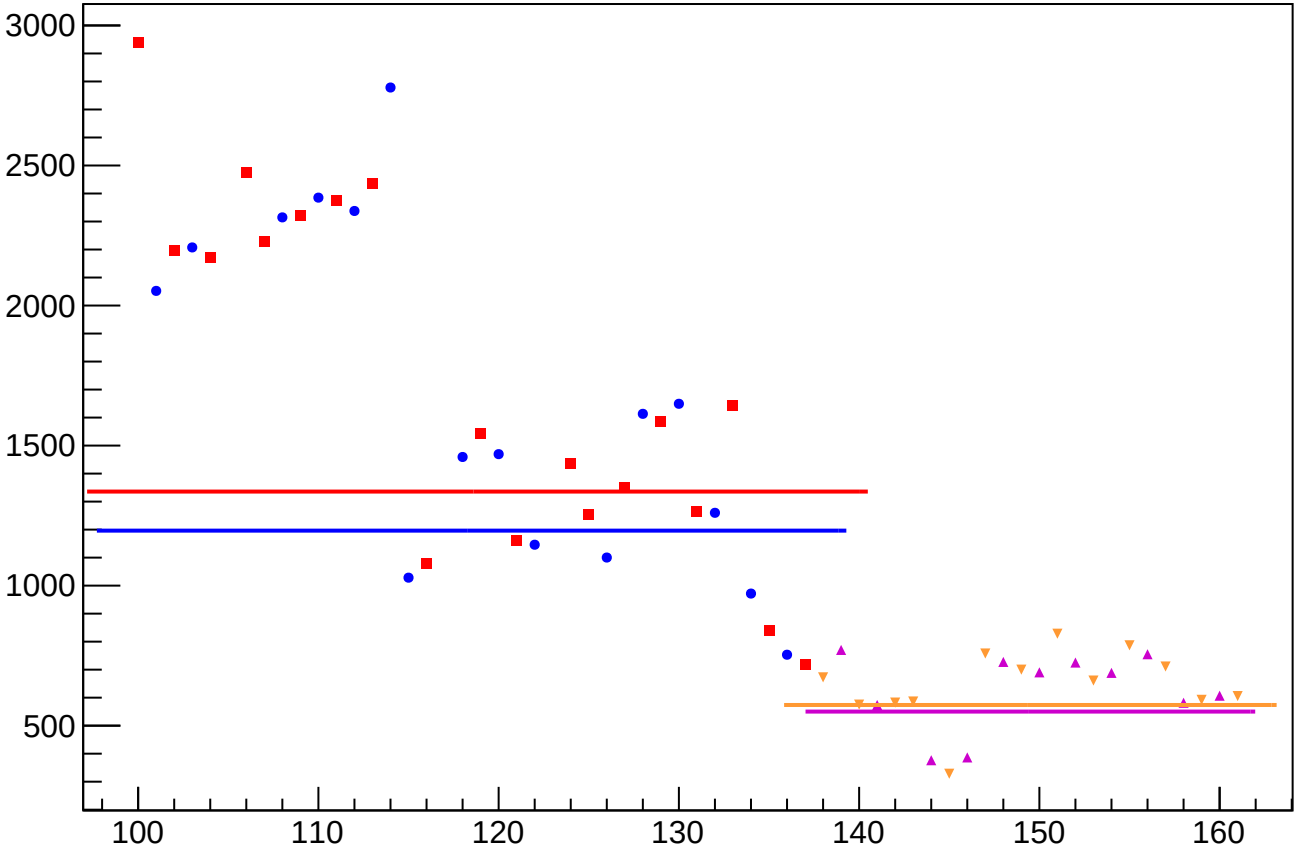
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 277.396+/-173.465 χ^2/NDF:33.5/26

Out: 413.998+/-175.158 χ^2/NDF:43.5/31

All: 345.034+/-123.253 χ^2/NDF: 77.3/58

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 573.854+/-0.131 χ^2/NDF:1433930.9/12

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 550.275+/-0.131 χ^2/NDF:1286811.6/10

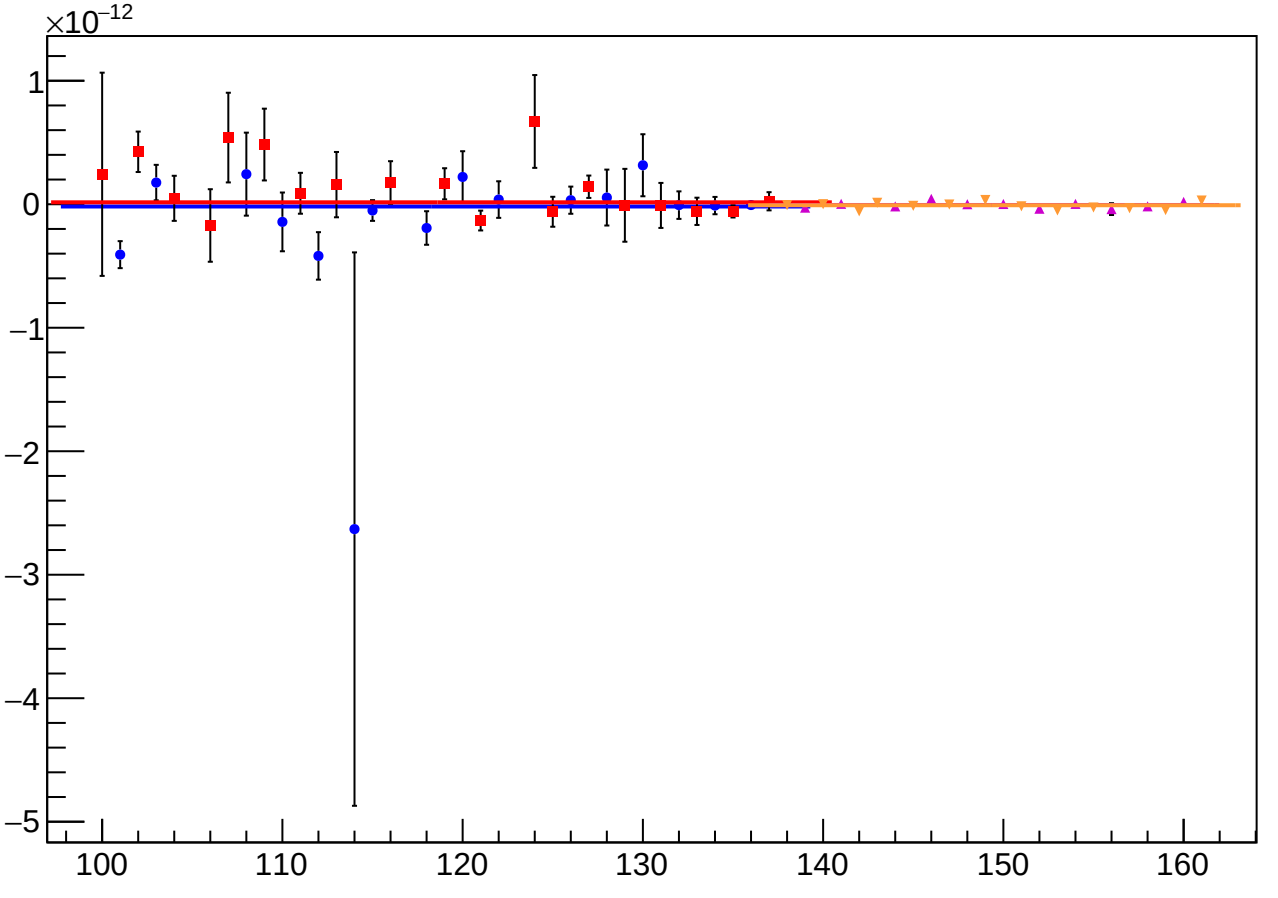
Left: 562.071+/-0.093 χ^2/NDF: 2736834.3/23

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 633.968+/-0.123 χ^2/NDF:6446971.0/26

Out: 658.826+/-0.124 χ^2/NDF:7135316.3/31

All: 646.276+/-0.087 χ^2/NDF: 13602623.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

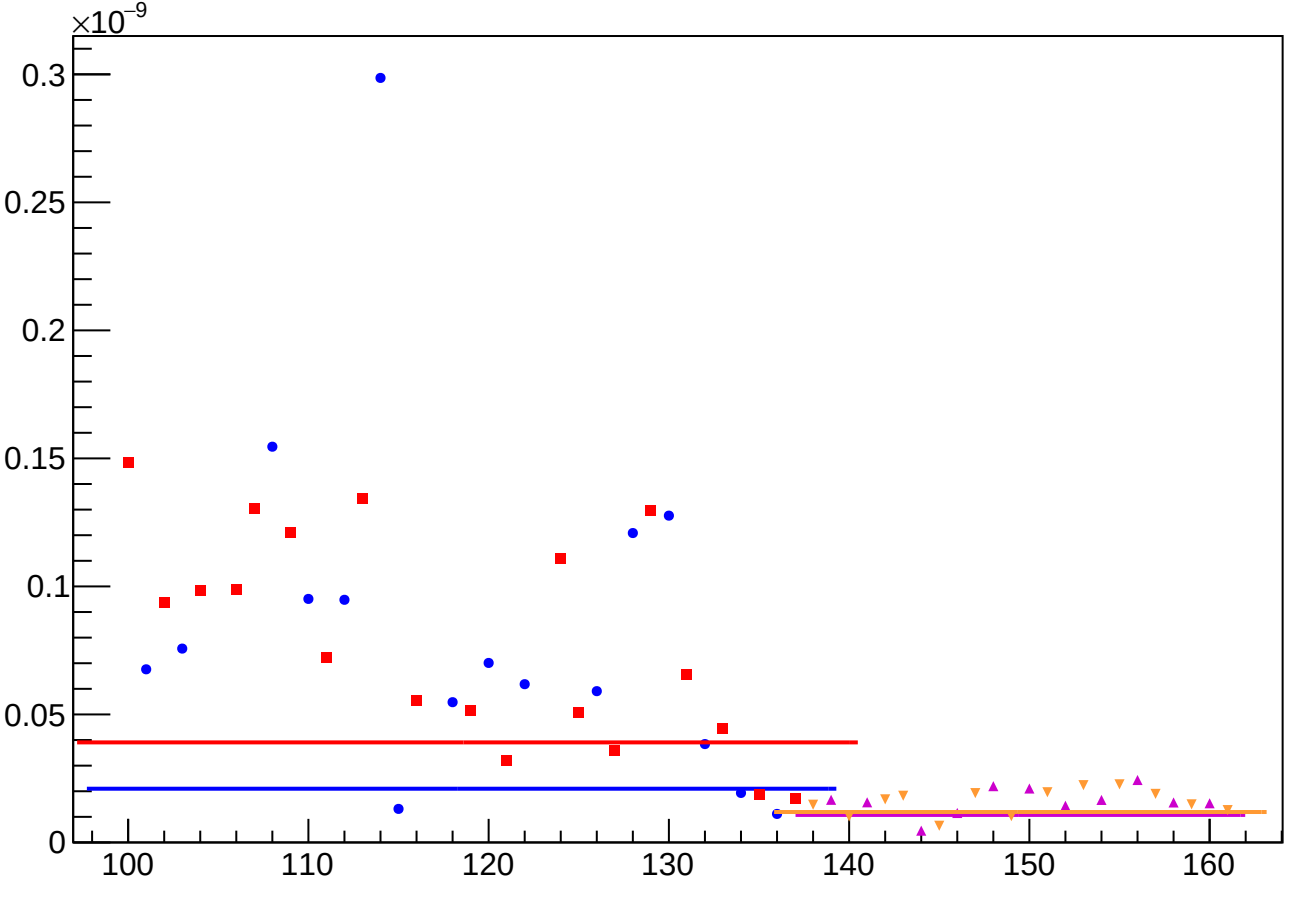
Left: -0.000+/-0.000 χ^2/NDF: 26.3/23

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:39.7/26

Out: -0.000+/-0.000 χ^2/NDF:40.1/31

All: -0.000+/-0.000 χ^2/NDF: 79.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1339361.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1797656.1/10

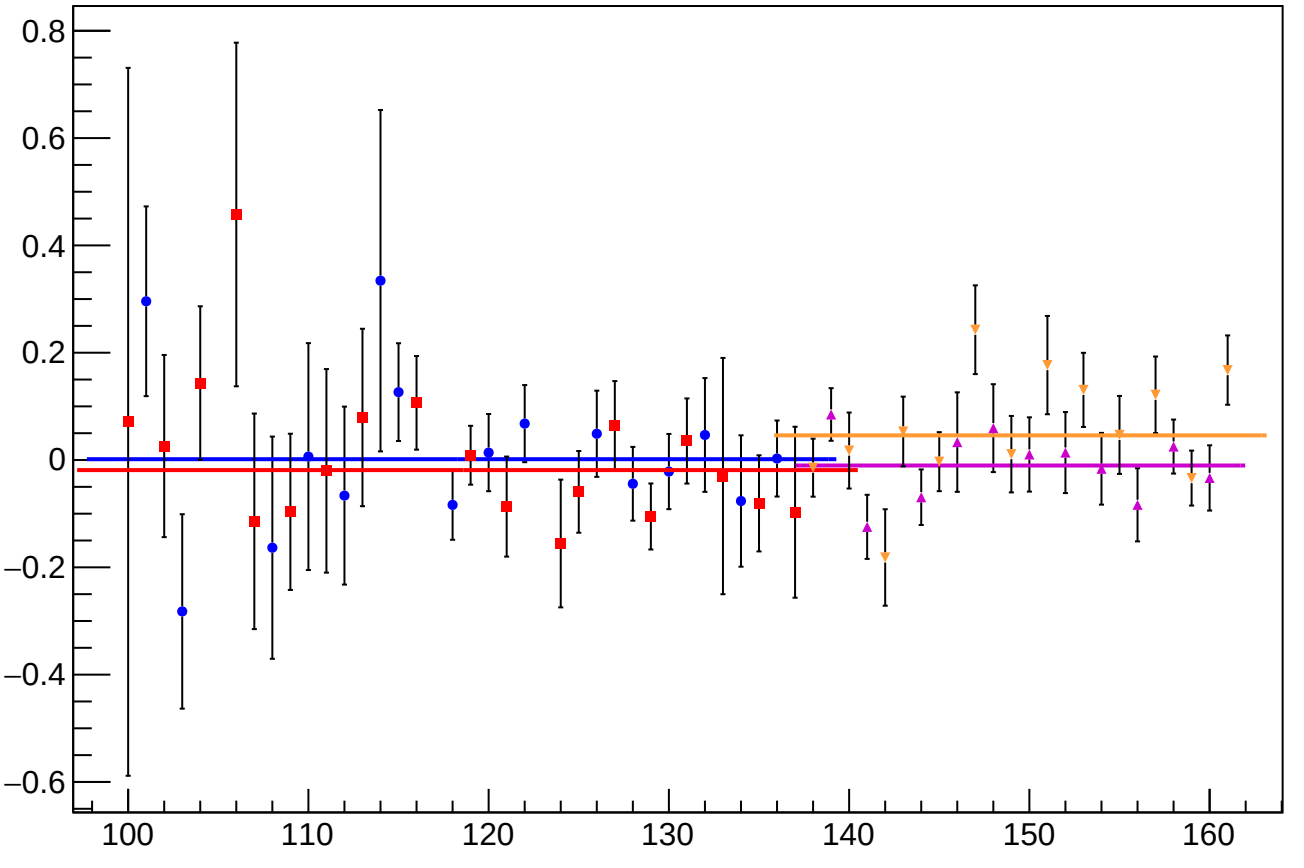
Left: 0.000+/-0.000 χ^2/NDF: 3168958.5/23

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5763466.7/26

Out: 0.000+/-0.000 χ^2/NDF:5259931.6/31

All: 0.000+/-0.000 χ^2/NDF: 11070435.5/58



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.010+/-0.019 χ^2/NDF:11.7/10

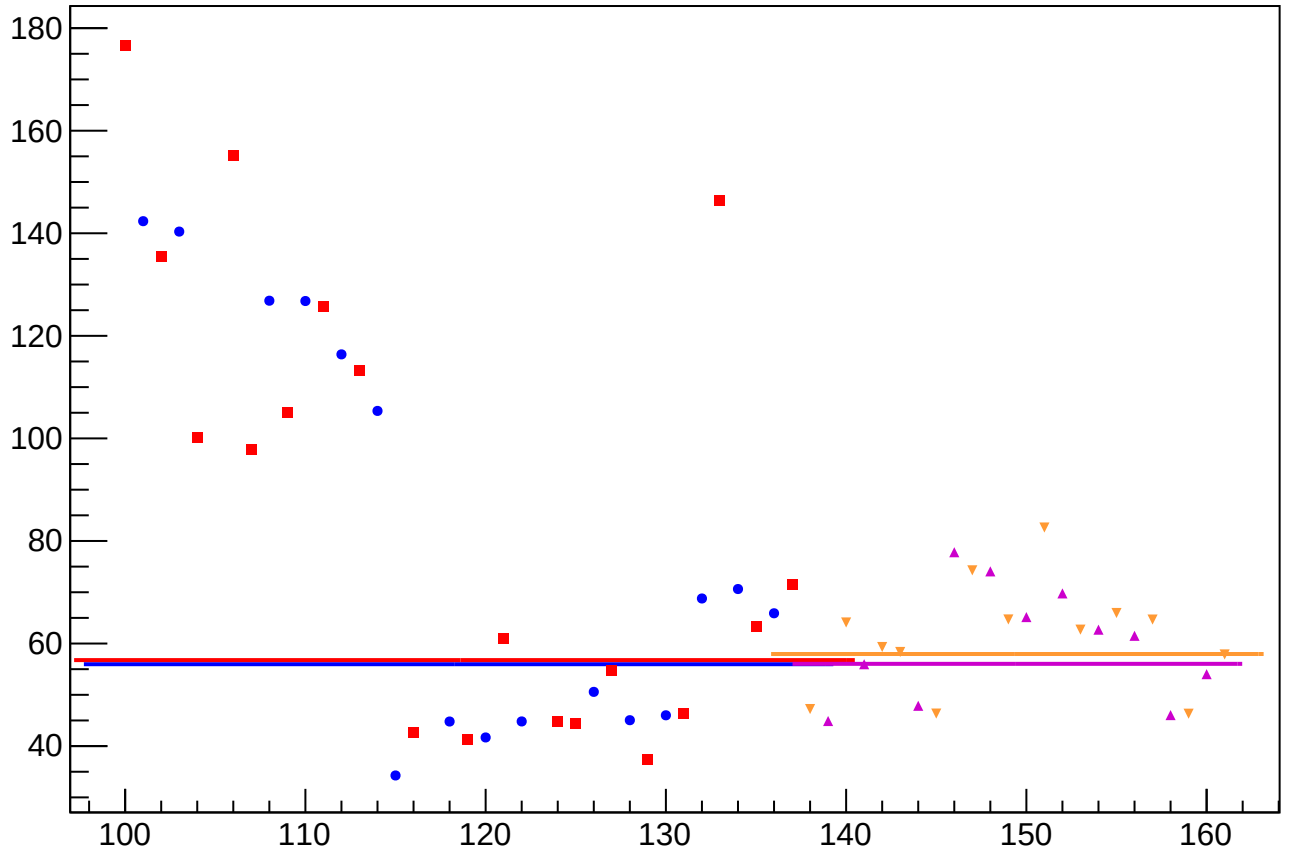
Left: 0.018+/-0.013 χ^2/NDF: 41.3/23

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.021+/-0.015 χ^2/NDF:42.9/31

All: 0.008+/-0.010 χ^2/NDF: 69.5/58



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.959+/-0.013 χ^2/NDF:579042.1/12

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

Left: 57.014+/-0.009 χ^2/NDF: 1164701.2/23

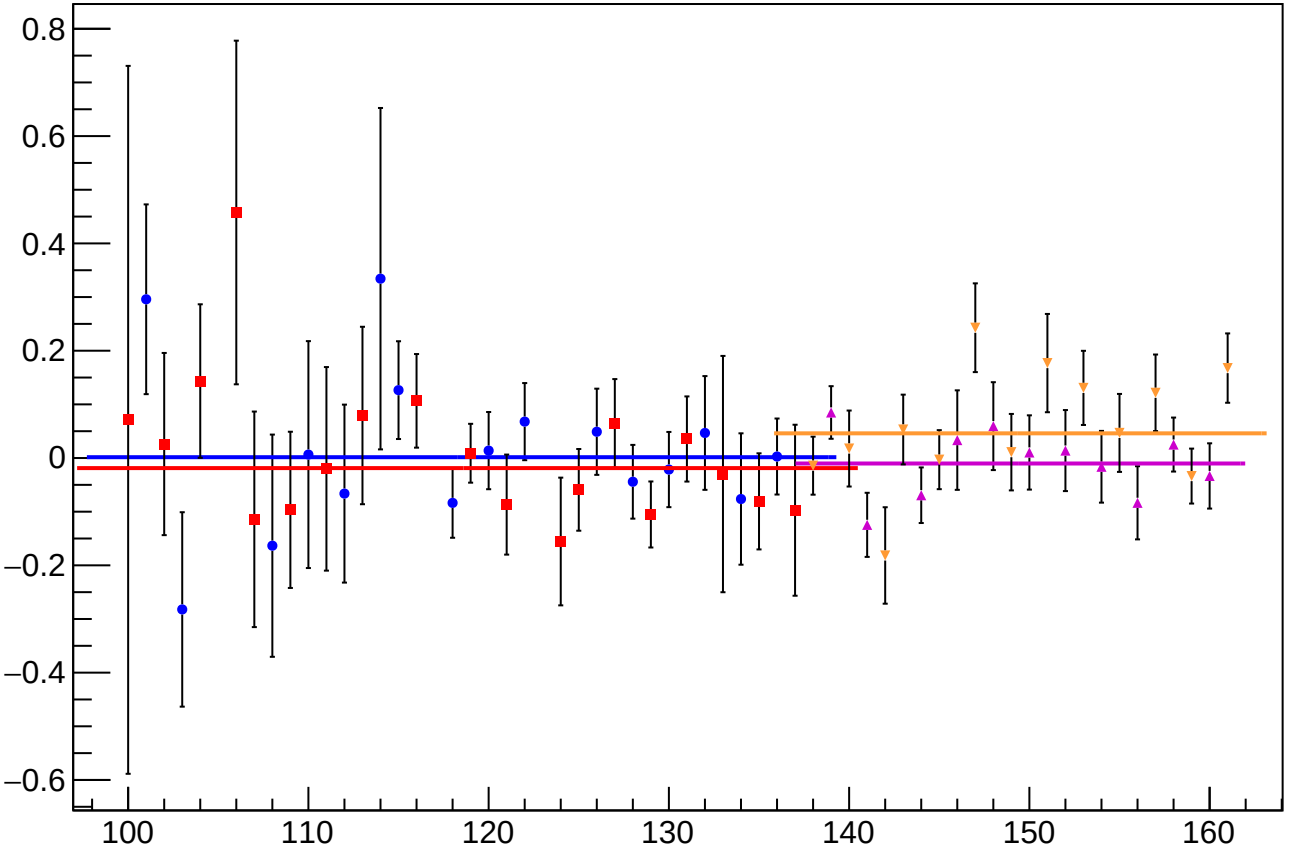
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.012+/-0.010 χ^2/NDF:2754950.8/26

Out: 57.503+/-0.010 χ^2/NDF:3135416.1/31

All: 56.764+/-0.007 χ^2/NDF: 5900781.8/58

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.010+/-0.019 χ^2/NDF:11.7/10

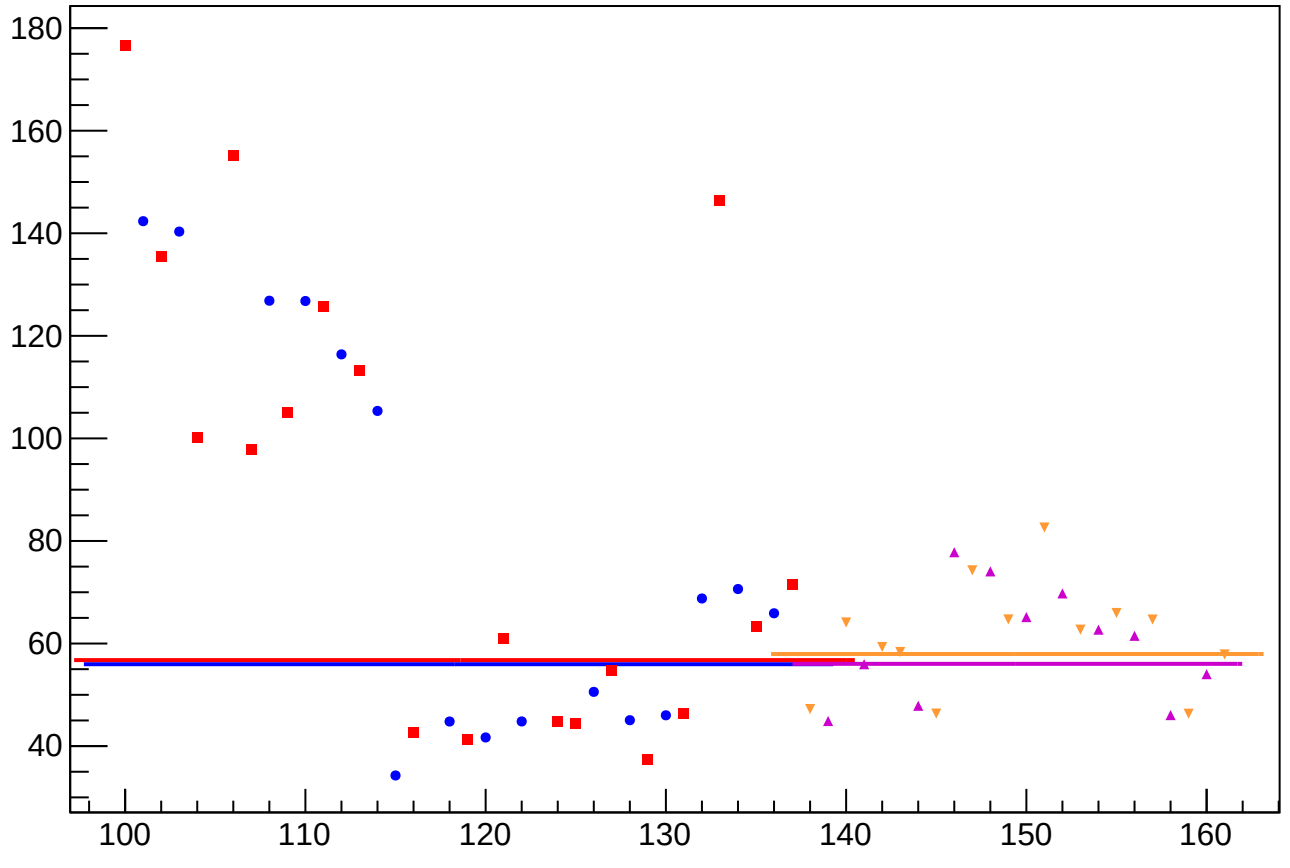
Left: 0.018+/-0.013 χ^2/NDF: 41.3/23

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.021+/-0.015 χ^2/NDF:42.9/31

All: 0.008+/-0.010 χ^2/NDF: 69.5/58



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.959+/-0.013 χ^2/NDF:579042.1/12

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

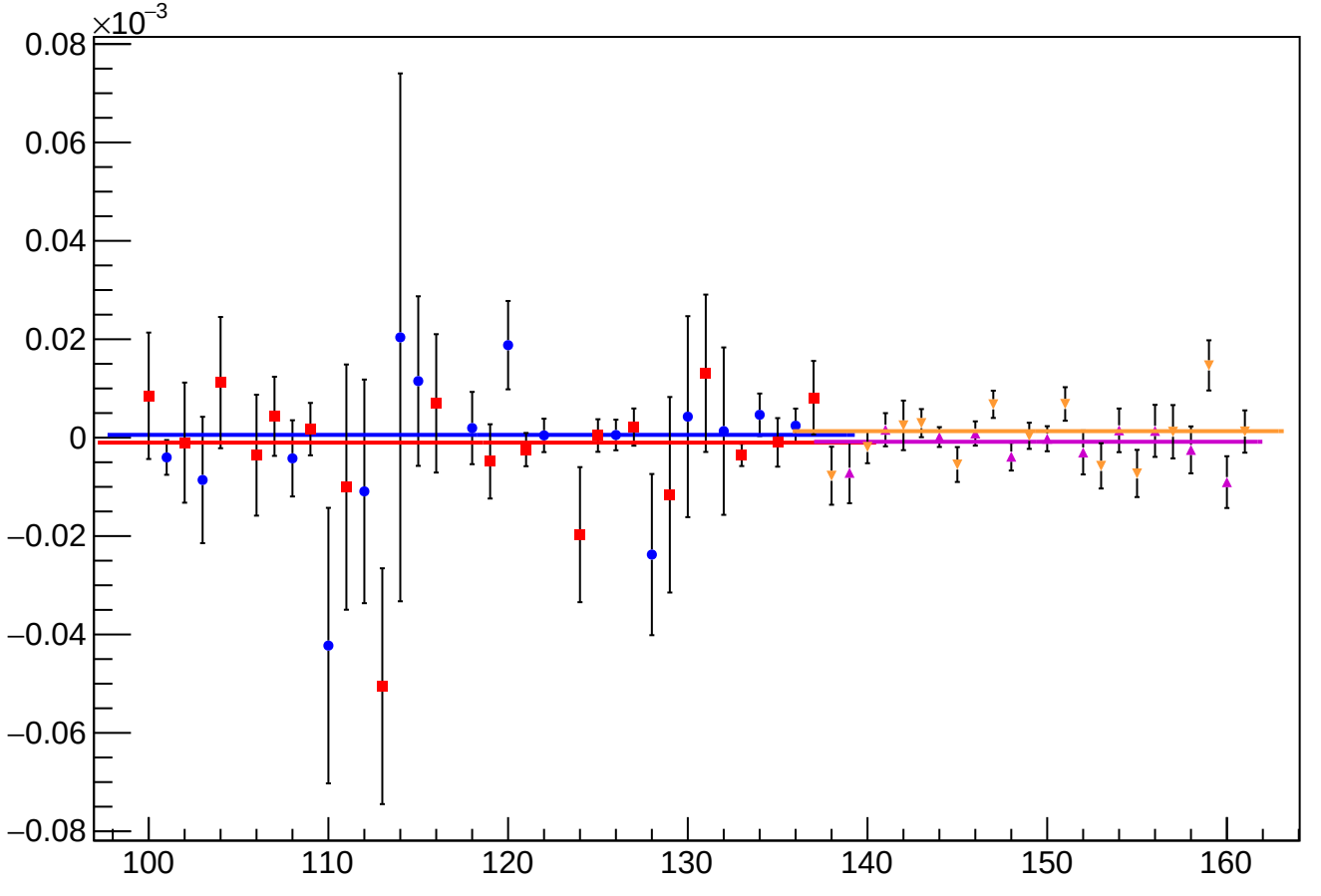
Left: 57.014+/-0.009 χ^2/NDF: 1164701.2/23

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.012+/-0.010 χ^2/NDF:2754950.8/26

Out: 57.503+/-0.010 χ^2/NDF:3135416.1/31

All: 56.764+/-0.007 χ^2/NDF: 5900781.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

Left: 0.000+/-0.000 χ^2/NDF: 35.4/23

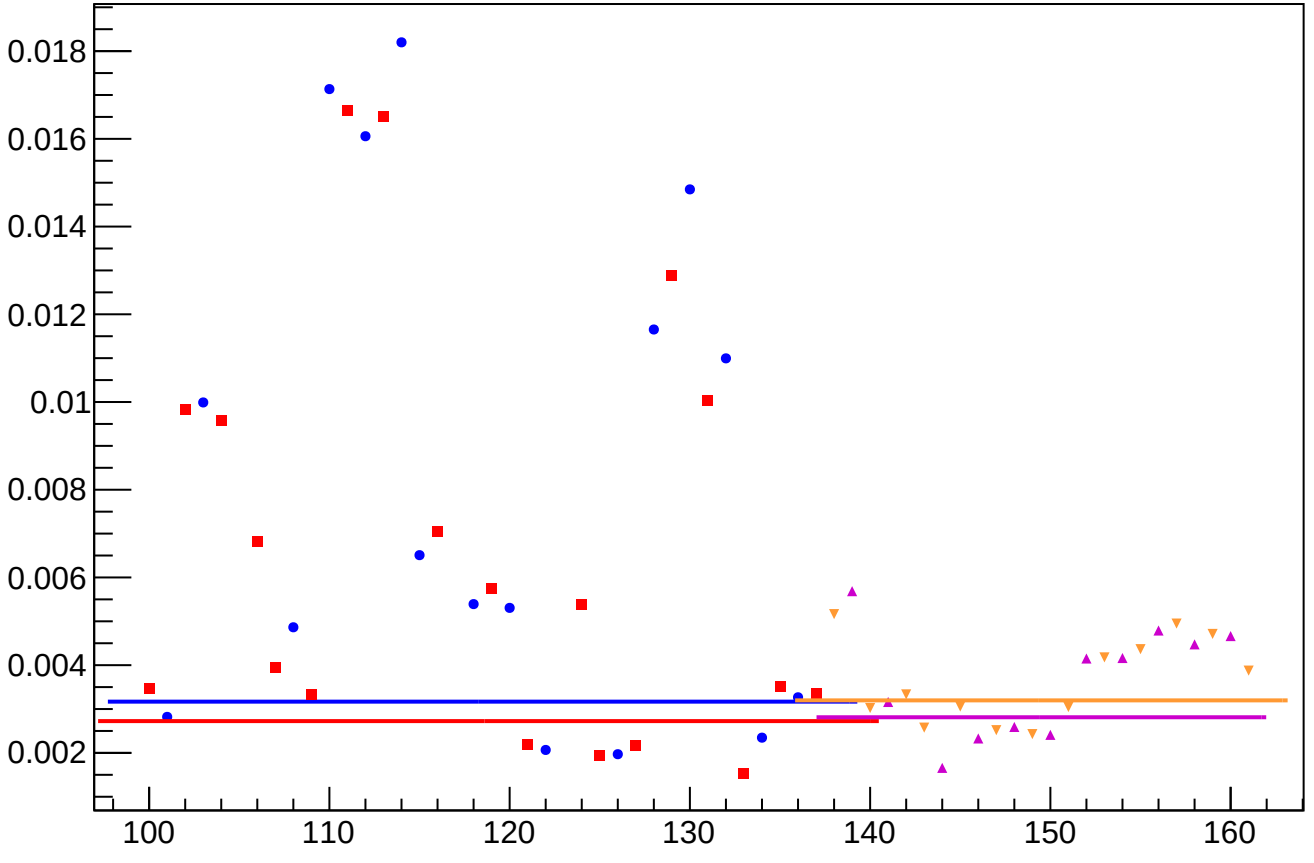
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:20.6/26

Out: 0.000+/-0.000 χ^2/NDF:42.2/31

All: 0.000+/-0.000 χ^2/NDF: 63.3/58

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1263222.9/12

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2381511.4/10

Left: 0.003+/-0.000 χ^2/NDF: 3789429.8/23

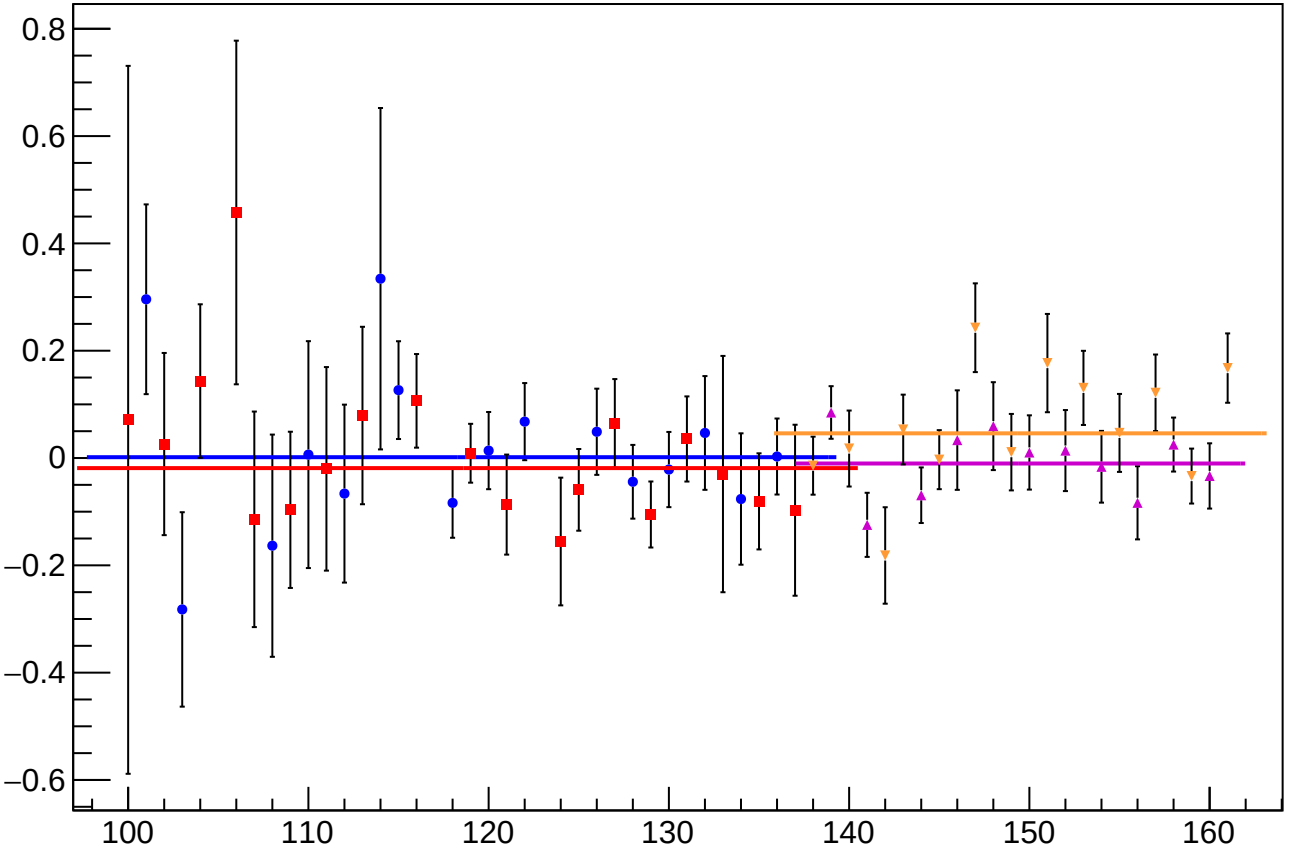
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7009589.8/26

Out: 0.003+/-0.000 χ^2/NDF:6582453.9/31

All: 0.003+/-0.000 χ^2/NDF: 13602778.2/58

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.010+/-0.019 χ^2/NDF:11.7/10

Left: 0.018+/-0.013 χ^2/NDF: 41.3/23

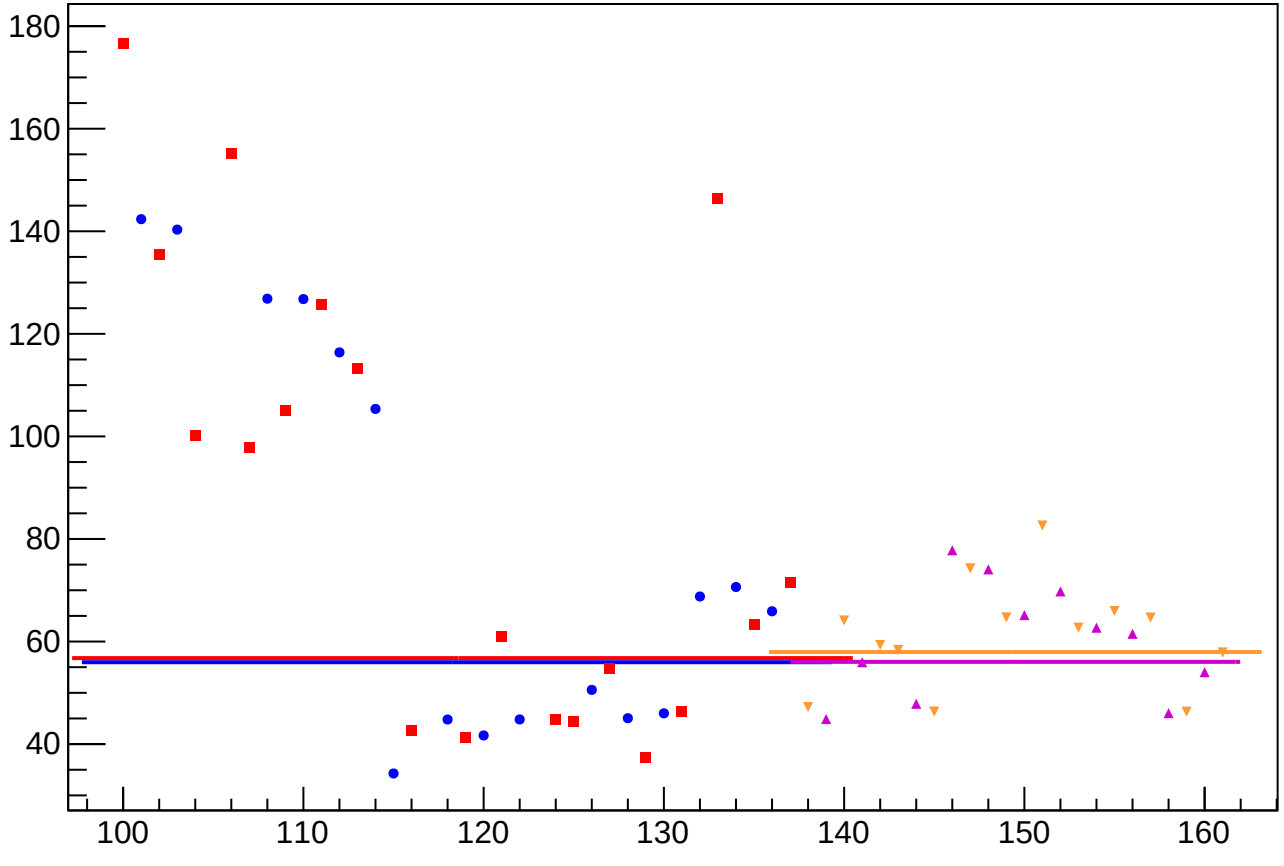
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.021+/-0.015 χ^2/NDF:42.9/31

All: 0.008+/-0.010 χ^2/NDF: 69.5/58

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.959+/-0.013 χ^2/NDF:579037.7/12

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

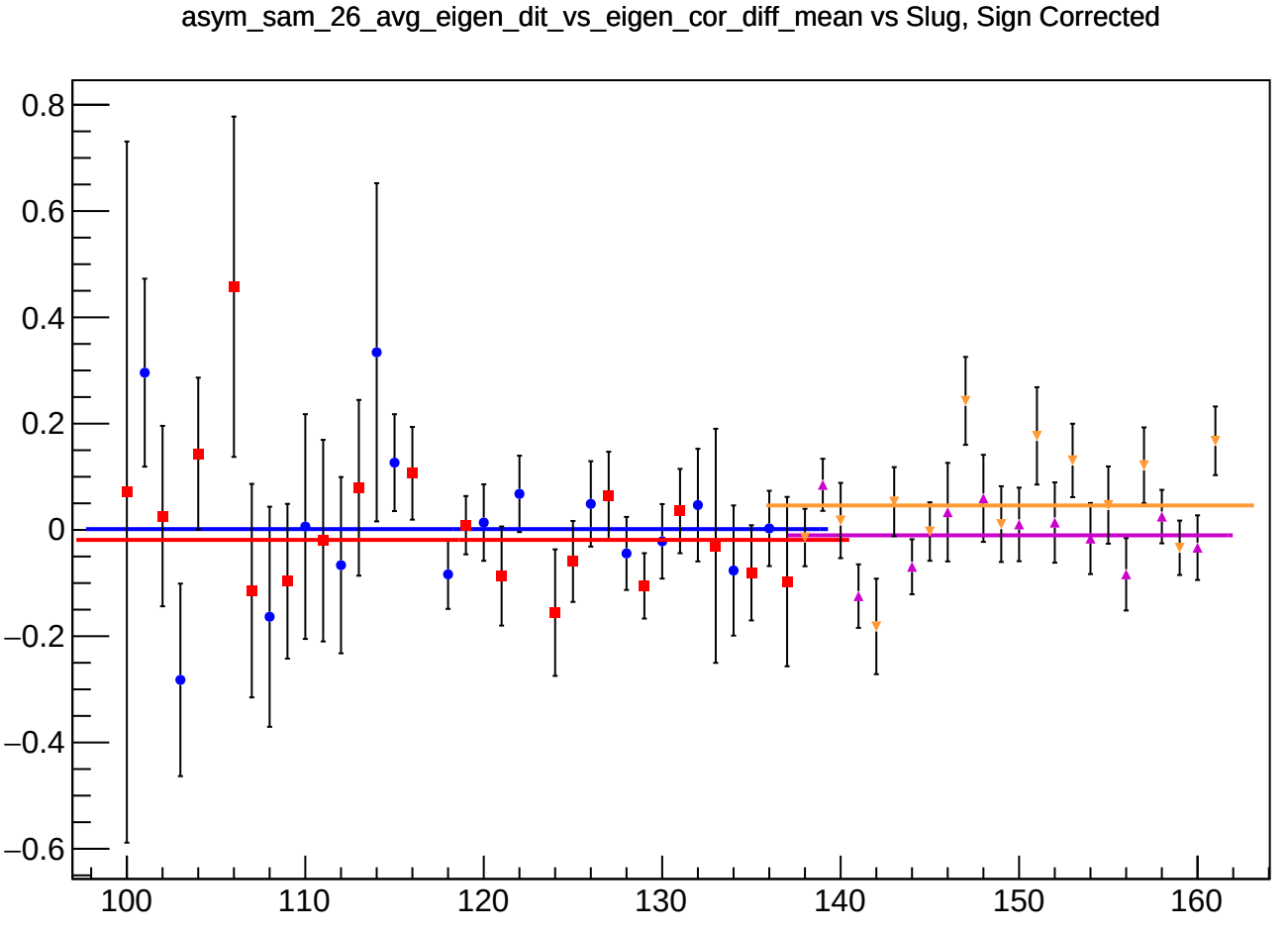
Left: 57.015+/-0.009 χ^2/NDF: 1164694.5/23

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.012+/-0.010 χ^2/NDF:2754877.3/26

Out: 57.503+/-0.010 χ^2/NDF:3135362.0/31

All: 56.764+/-0.007 χ^2/NDF: 5900653.0/58



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.010+/-0.019 χ^2/NDF:11.7/10

Left: 0.018+/-0.013 χ^2/NDF: 41.3/23

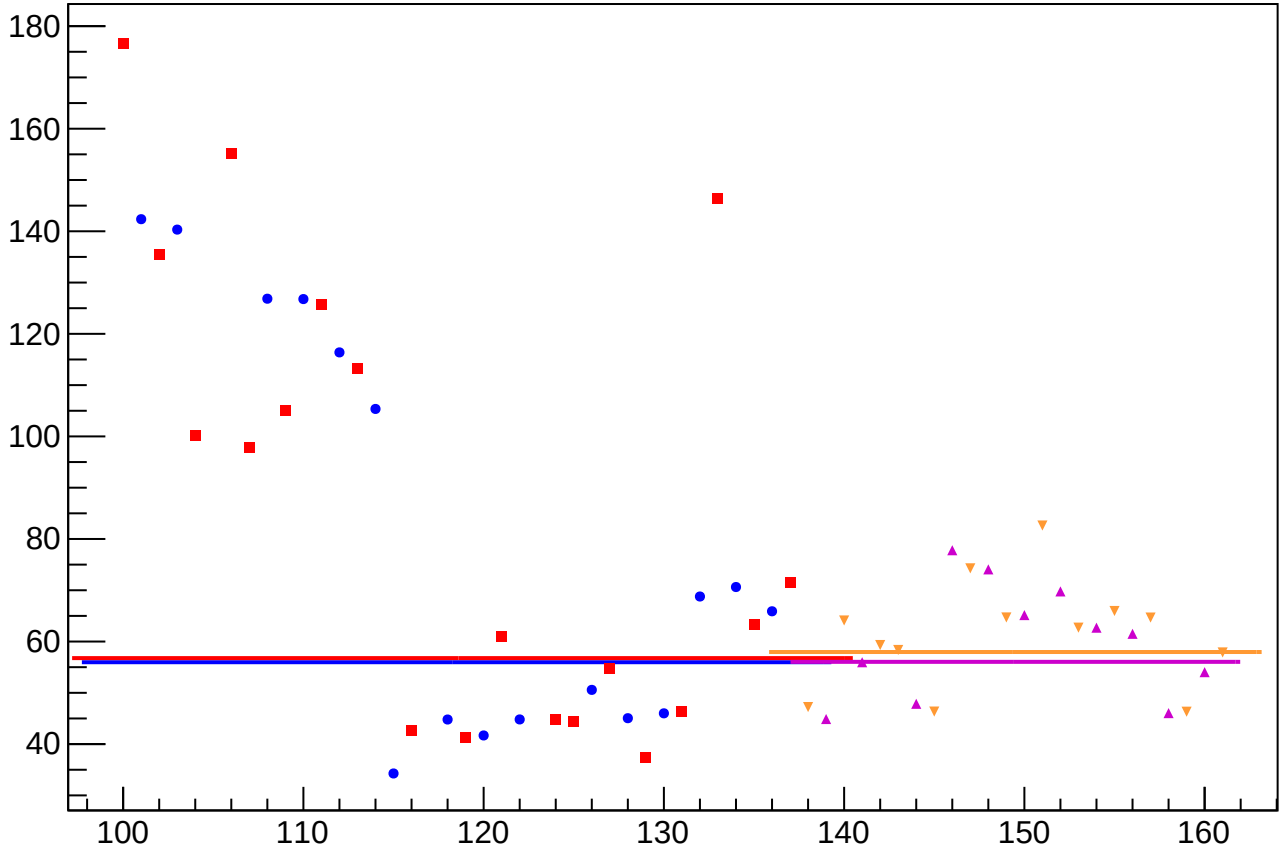
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.015 χ^2/NDF:24.9/26

Out: 0.021+/-0.015 χ^2/NDF:42.9/31

All: 0.008+/-0.010 χ^2/NDF: 69.5/58

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.959+/-0.013 χ^2/NDF:579037.7/12

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

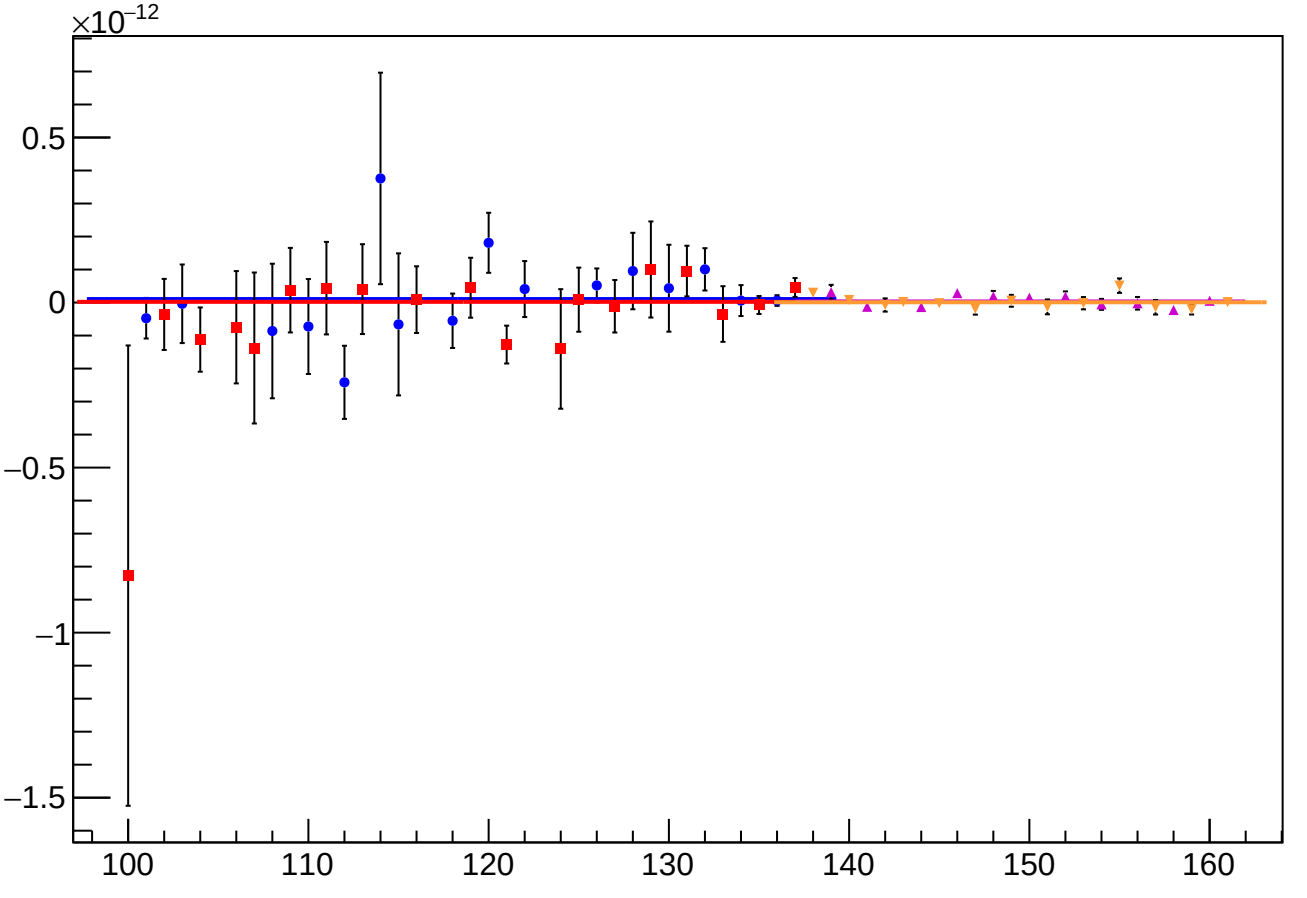
Left: 57.015+/-0.009 χ^2/NDF: 1164694.5/23

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.012+/-0.010 χ^2/NDF:2754877.3/26

Out: 57.503+/-0.010 χ^2/NDF:3135362.0/31

All: 56.764+/-0.007 χ^2/NDF: 5900653.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/10

Left: 0.000+/-0.000 χ^2/NDF: 39.6/23

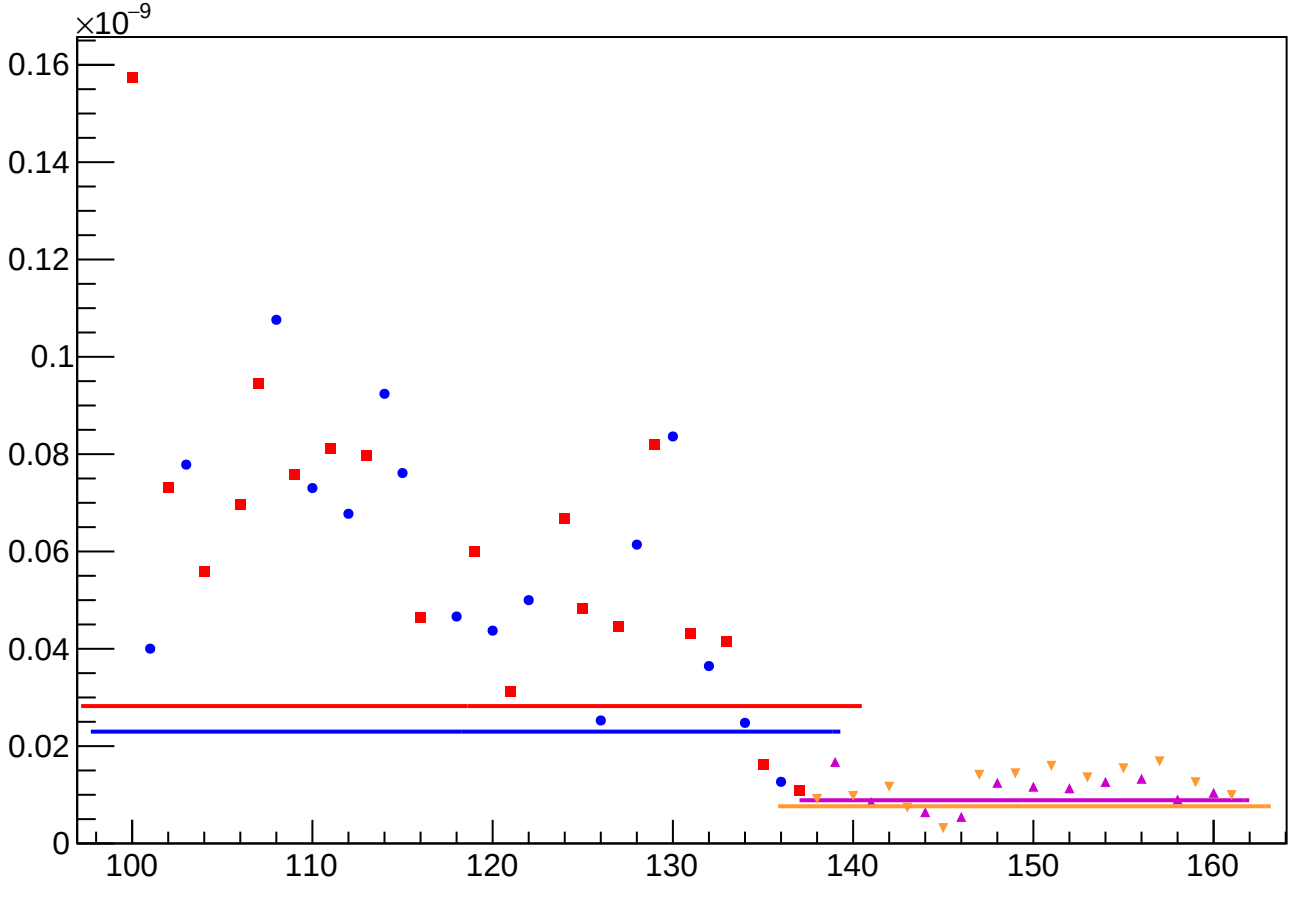
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:40.6/26

Out: 0.000+/-0.000 χ^2/NDF:29.0/31

All: 0.000+/-0.000 χ^2/NDF: 69.9/58

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3591533.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1212029.8/10

Left: 0.000+/-0.000 χ^2/NDF: 4922656.7/23

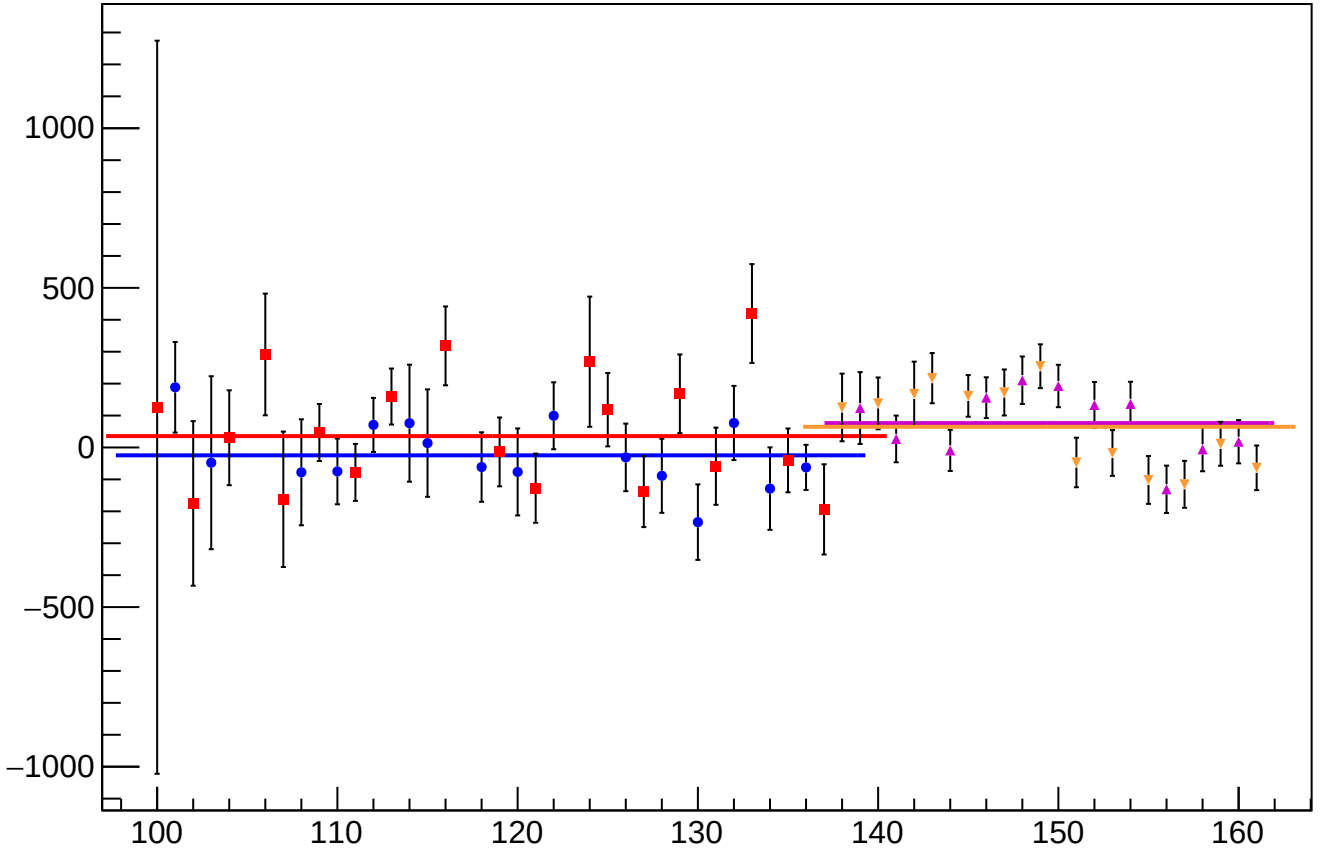
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7124911.3/26

Out: 0.000+/-0.000 χ^2/NDF:10779789.4/31

All: 0.000+/-0.000 χ^2/NDF: 18070921.2/58

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.755+/-20.940 χ^2/NDF:36.3/12

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 76.279+/-21.441 χ^2/NDF:21.7/10

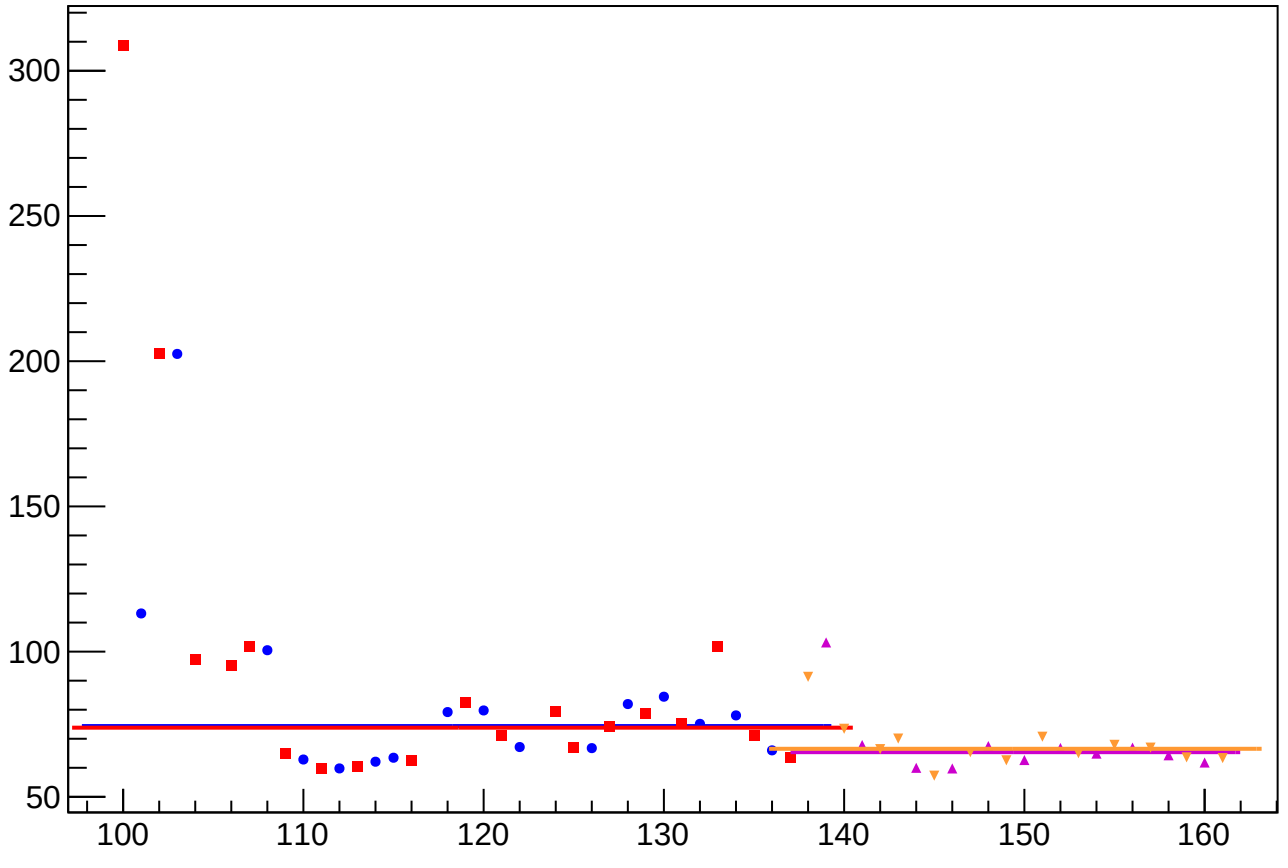
Left: 70.381+/-14.981 χ^2/NDF: 58.2/23

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 40.473+/-17.222 χ^2/NDF:40.6/26

Out: 54.506+/-16.865 χ^2/NDF:67.1/31

All: 47.637+/-12.050 χ^2/NDF: 108.0/58



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

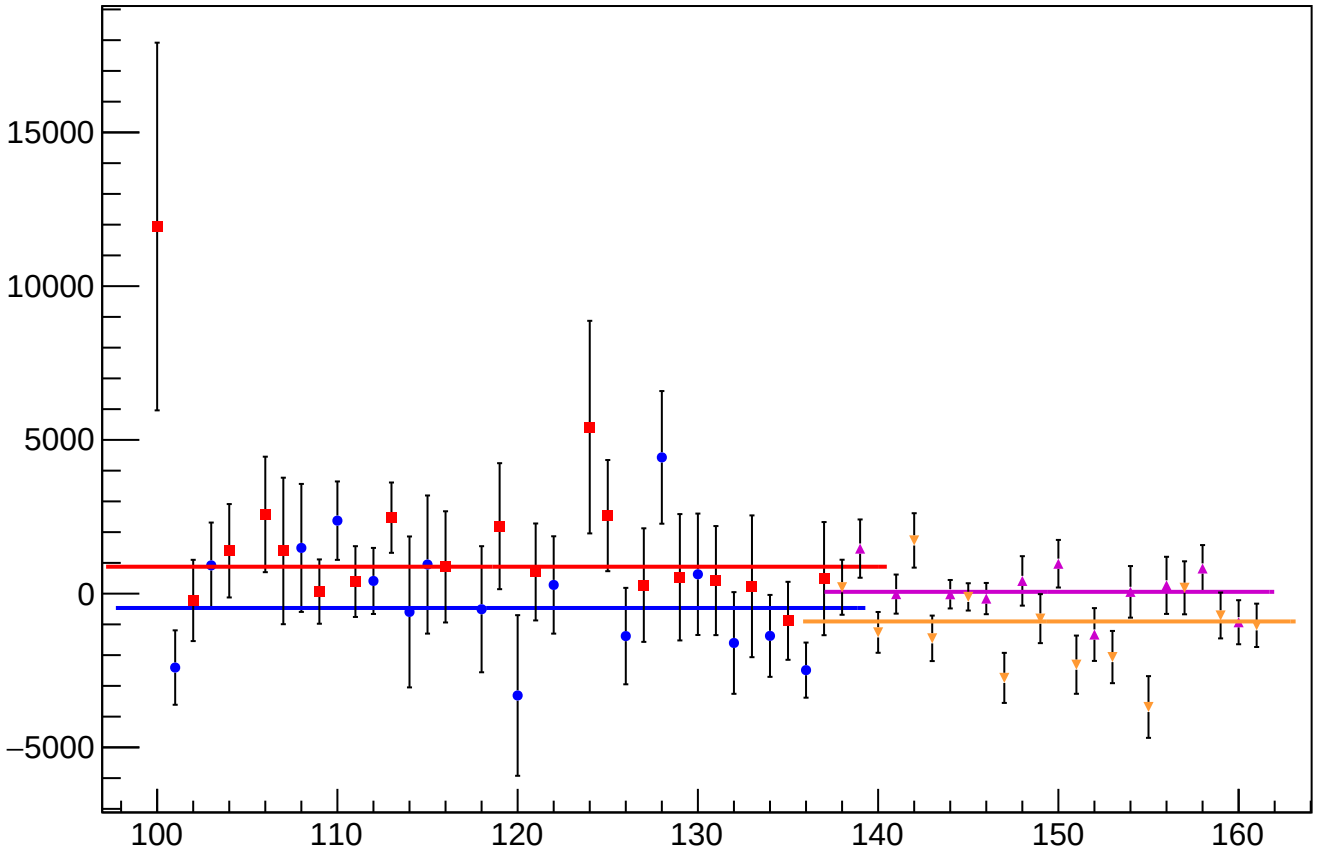
Left: 65.977+/-0.011 χ^2/NDF: 463564.0/23

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.571+/-0.012 χ^2/NDF:1222246.3/26

Out: 69.098+/-0.012 χ^2/NDF:1207219.2/31

All: 68.840+/-0.009 χ^2/NDF: 2430422.3/58



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -904.405+/-206.593 χ^2/NDF:33.0/12

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 58.416+/-208.741 χ^2/NDF:9.6/10

Left: -427.975+/-146.837 χ^2/NDF: 53.4/23

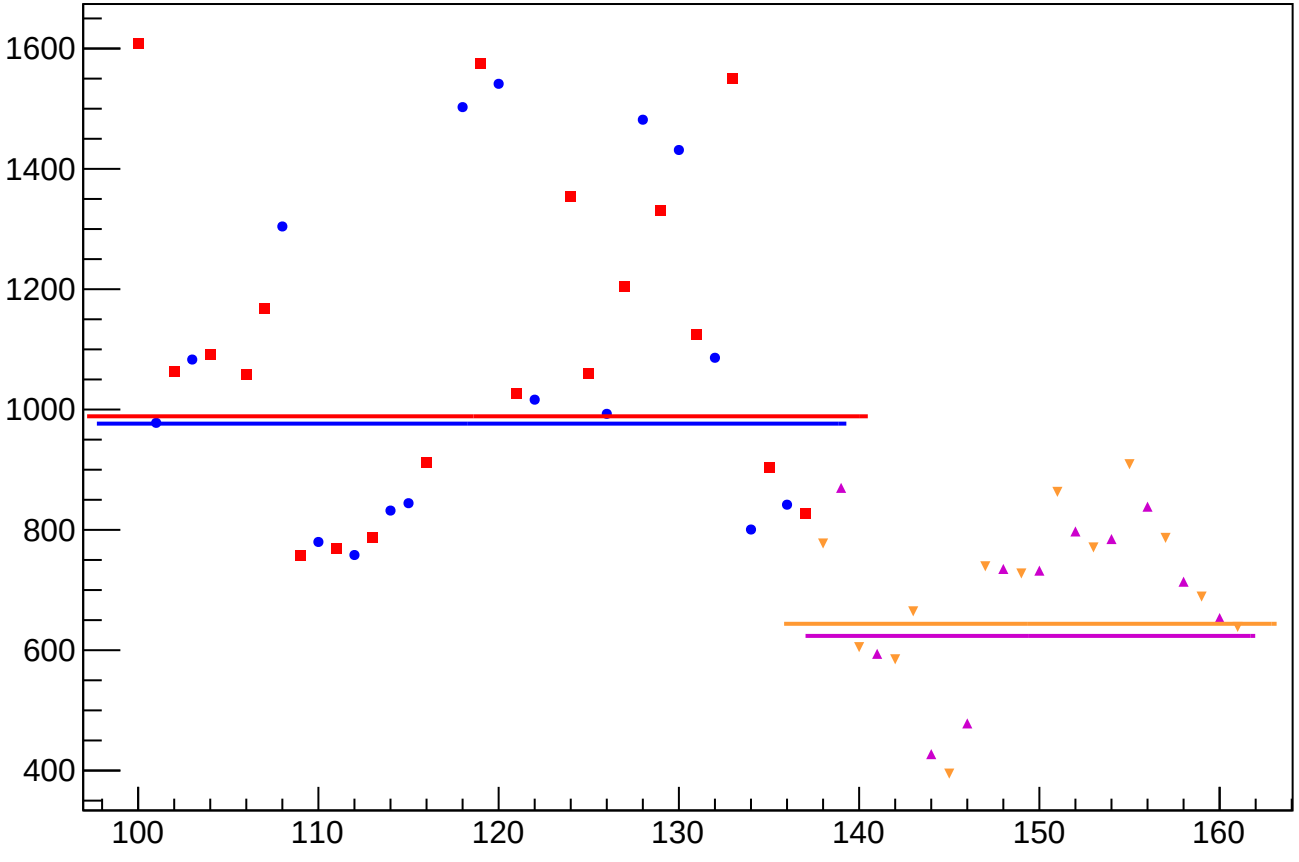
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -65.746+/-182.392 χ^2/NDF:34.8/26

Out: -485.292+/-180.637 χ^2/NDF:63.6/31

All: -277.547+/-128.346 χ^2/NDF: 101.0/58

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: 643.905+/-0.146 χ^2/NDF:1094363.5/12

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 623.777+/-0.148 χ^2/NDF:1034433.8/10

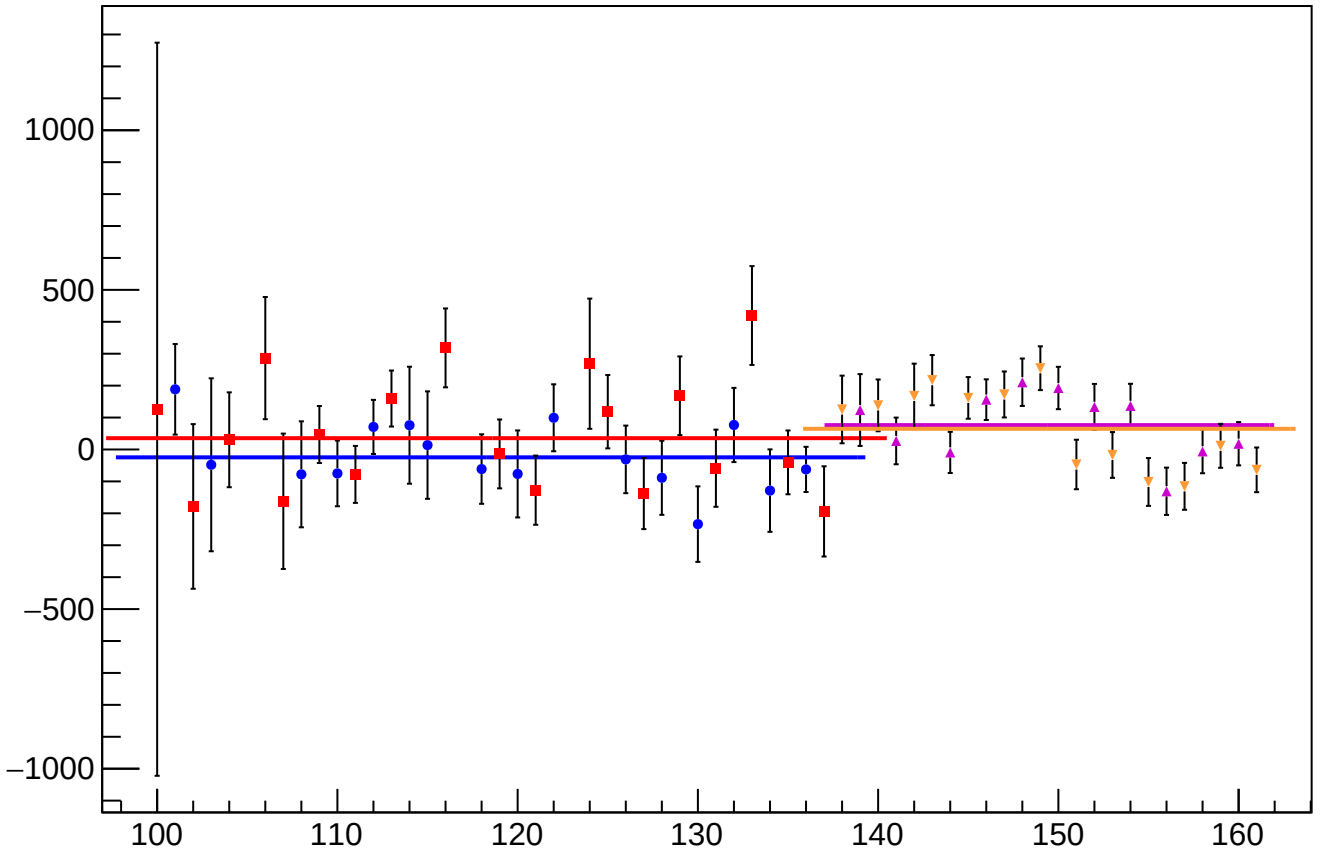
Left: 633.946+/-0.104 χ^2/NDF: 2138191.4/23

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 707.225+/-0.129 χ^2/NDF:3122371.8/26

Out: 725.116+/-0.128 χ^2/NDF:3122419.1/31

All: 716.257+/-0.091 χ^2/NDF: 6254505.6/58



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.758+/-20.940 χ^2/NDF:36.3/12

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 76.280+/-21.441 χ^2/NDF:21.7/10

Left: 70.383+/-14.981 χ^2/NDF: 58.2/23

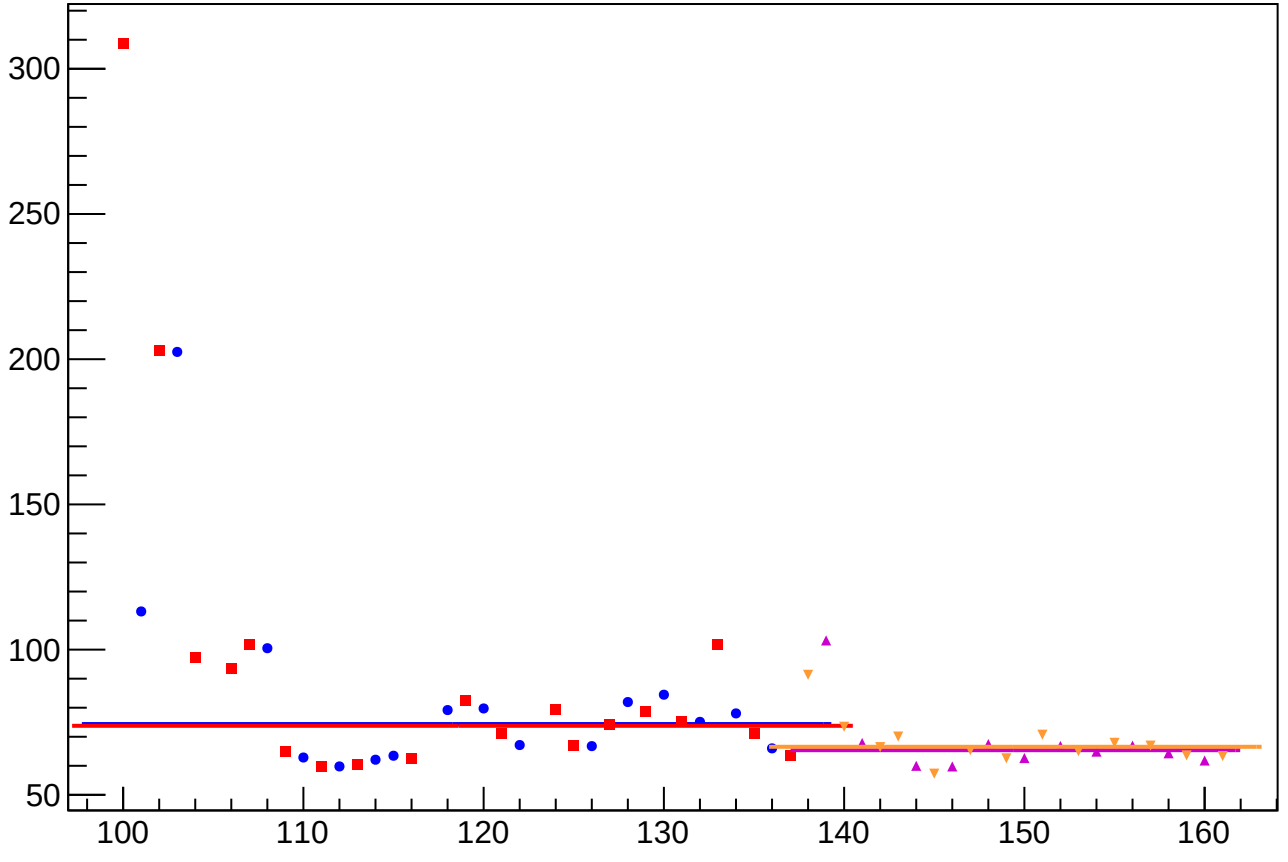
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 40.471+/-17.222 χ^2/NDF:40.6/26

Out: 54.439+/-16.866 χ^2/NDF:67.1/31

All: 47.601+/-12.050 χ^2/NDF: 107.9/58

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

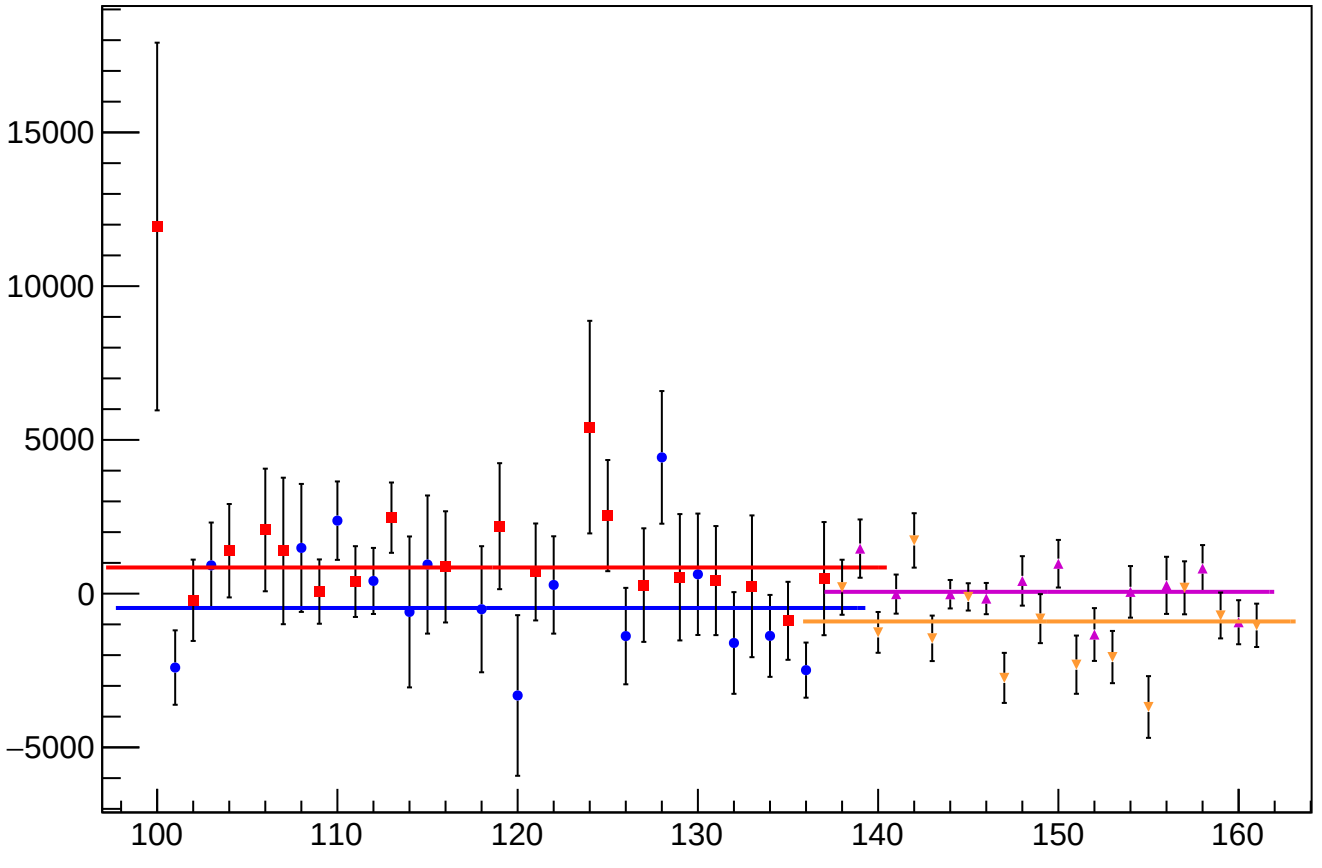
Left: 65.977+/-0.011 χ^2/NDF: 463564.0/23

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.571+/-0.012 χ^2/NDF:1222248.3/26

Out: 69.083+/-0.012 χ^2/NDF:1202450.4/31

All: 68.832+/-0.009 χ^2/NDF: 2425601.6/58



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -904.403+/-206.593 χ^2/NDF:33.0/12

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 58.418+/-208.741 χ^2/NDF:9.6/10

Left: -427.973+/-146.837 χ^2/NDF: 53.4/23

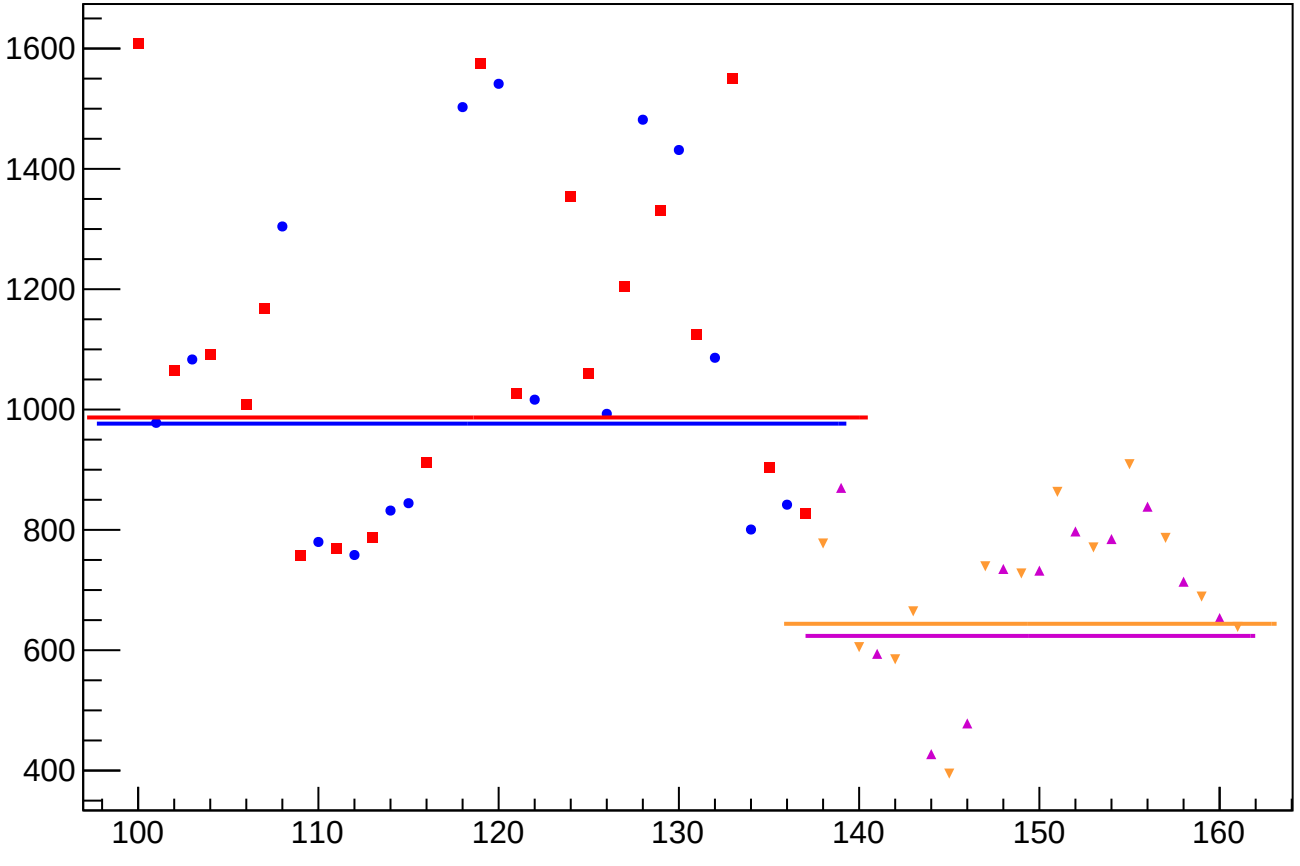
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -65.739+/-182.392 χ^2/NDF:34.8/26

Out: -492.528+/-180.734 χ^2/NDF:62.6/31

All: -281.082+/-128.381 χ^2/NDF: 100.1/58

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 643.905+/-0.146 χ^2/NDF:1094364.0/12

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

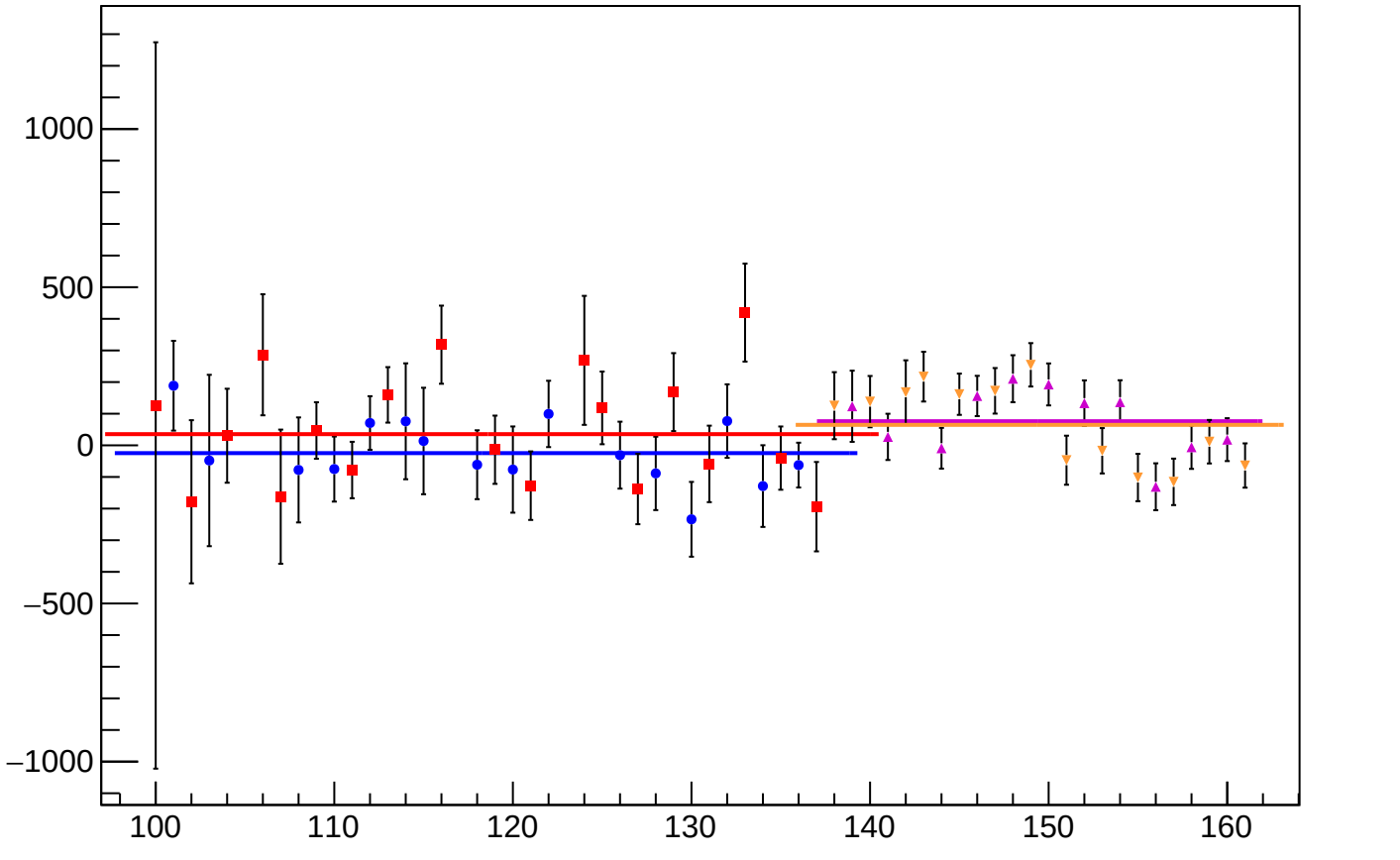
Left: 633.945+/-0.104 χ^2/NDF: 2138192.8/23

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 707.225+/-0.129 χ^2/NDF:3122427.3/26

Out: 724.376+/-0.128 χ^2/NDF:3100773.8/31

All: 715.879+/-0.091 χ^2/NDF: 6232124.2/58



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.758+/-20.940 χ^2/NDF:36.3/12

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 76.280+/-21.441 χ^2/NDF:21.7/10

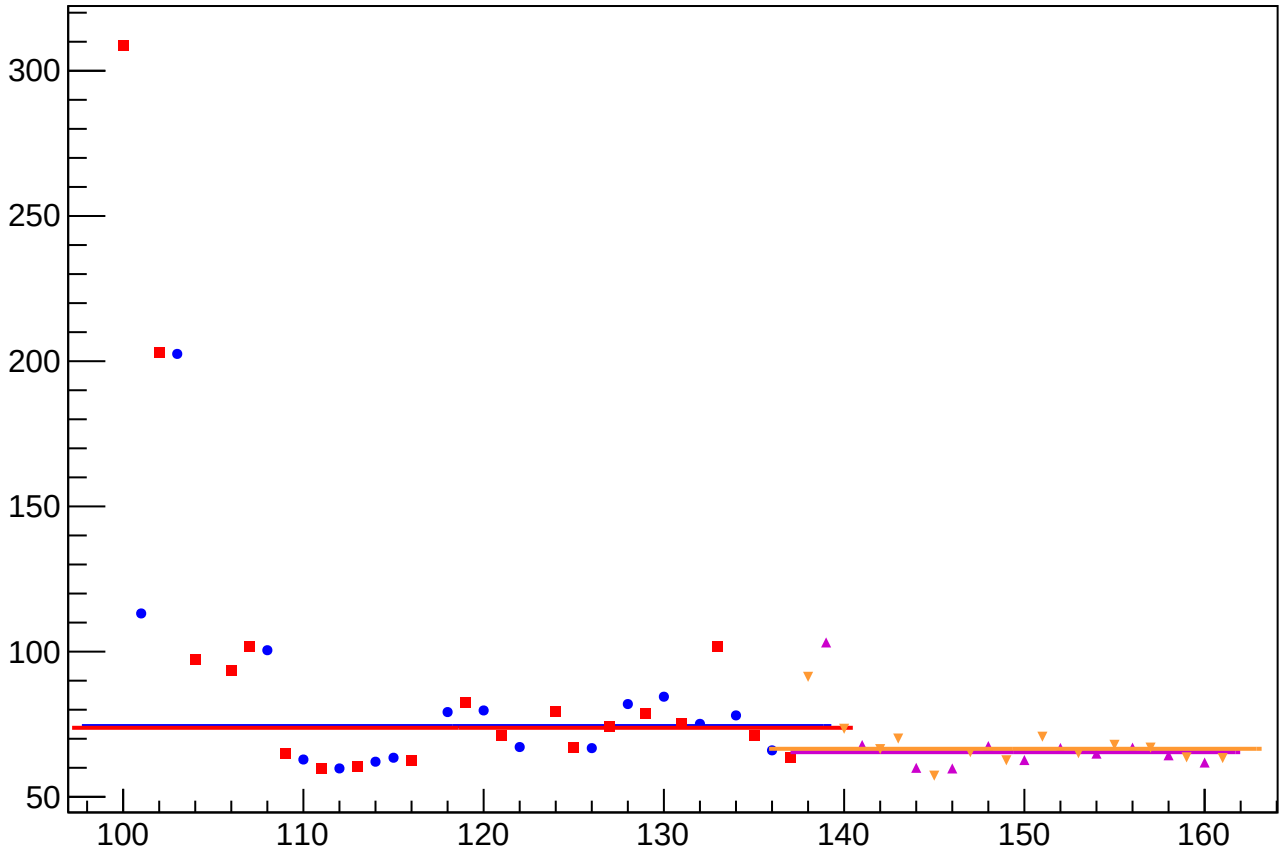
Left: 70.383+/-14.981 χ^2/NDF: 58.2/23

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 40.471+/-17.222 χ^2/NDF:40.6/26

Out: 54.439+/-16.866 χ^2/NDF:67.1/31

All: 47.601+/-12.050 χ^2/NDF: 107.9/58



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

Left: 65.977+/-0.011 χ^2/NDF: 463564.0/23

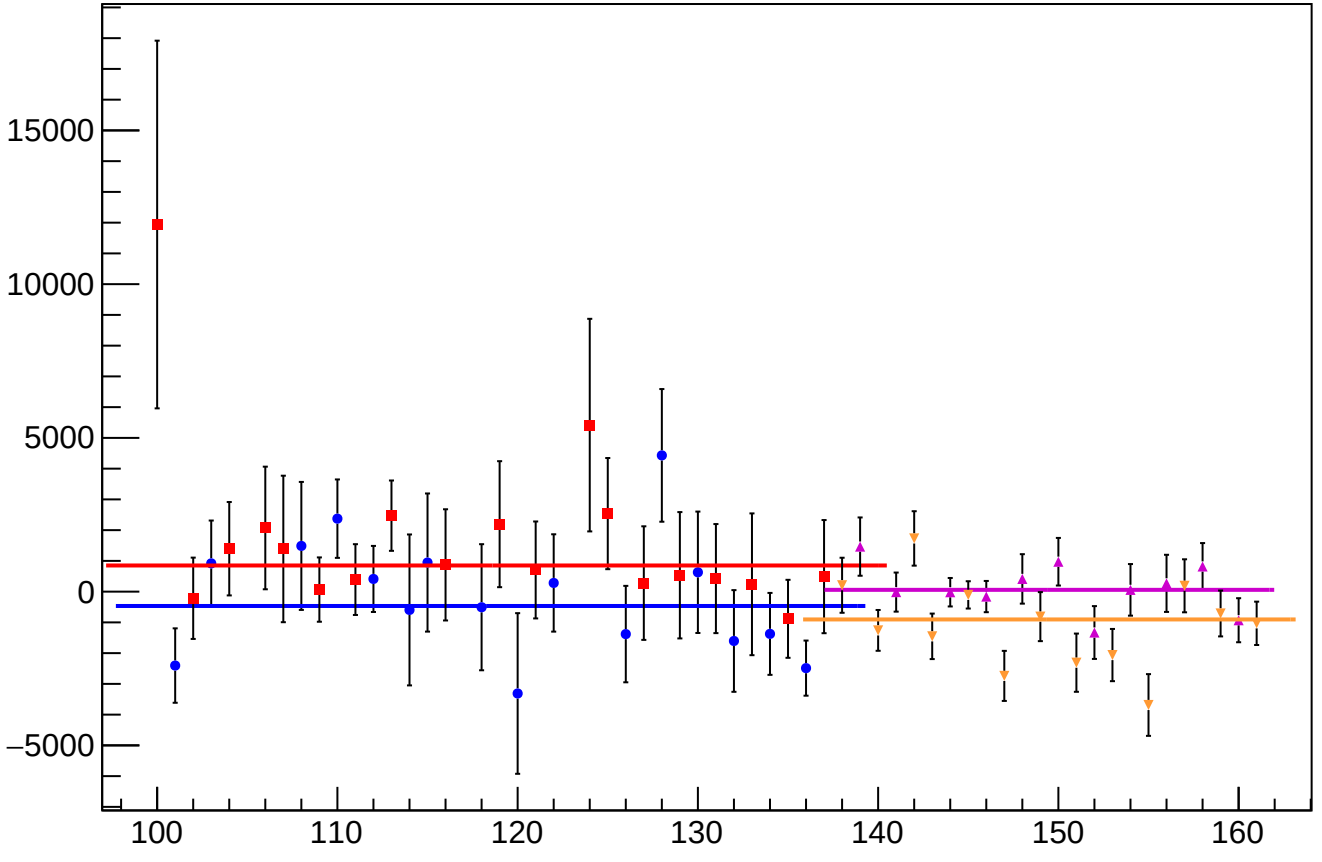
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.571+/-0.012 χ^2/NDF:1222248.3/26

Out: 69.083+/-0.012 χ^2/NDF:1202450.4/31

All: 68.832+/-0.009 χ^2/NDF: 2425601.6/58

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: -904.403+/-206.593 χ^2/NDF:33.0/12

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 58.418+/-208.741 χ^2/NDF:9.6/10

Left: -427.973+/-146.837 χ^2/NDF: 53.4/23

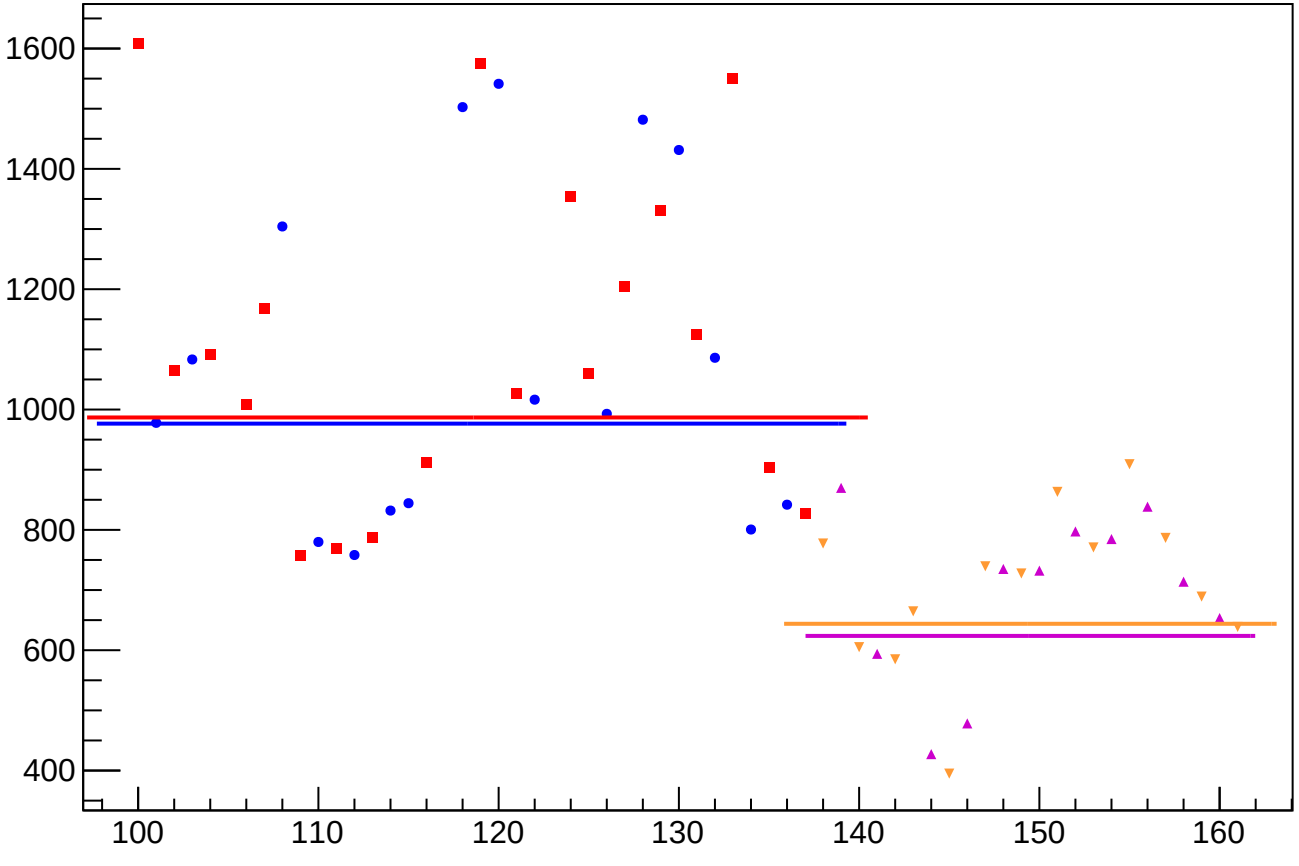
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -65.739+/-182.392 χ^2/NDF:34.8/26

Out: -492.528+/-180.734 χ^2/NDF:62.6/31

All: -281.082+/-128.381 χ^2/NDF: 100.1/58

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: 643.905+/-0.146 χ^2/NDF:1094364.0/12

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

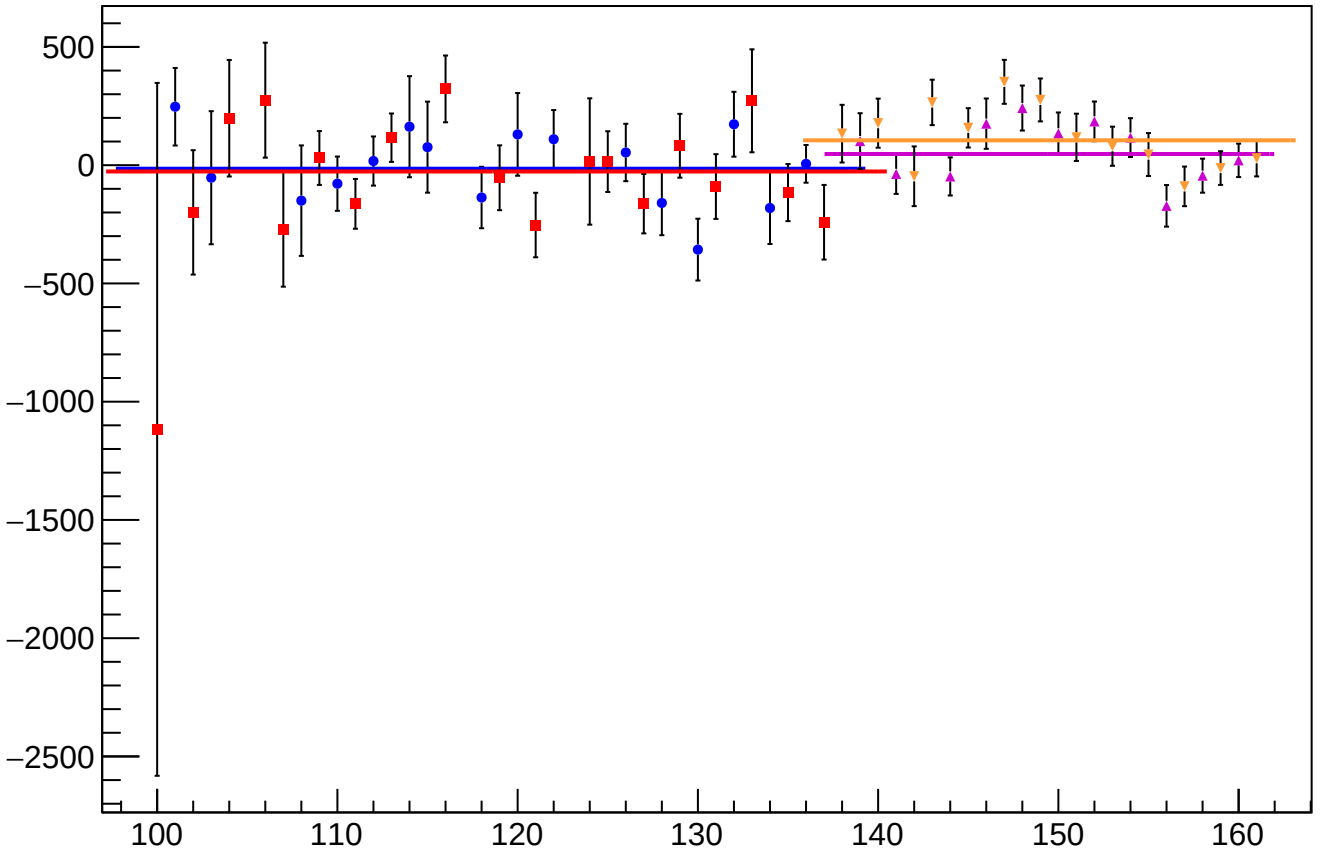
Left: 633.945+/-0.104 χ^2/NDF: 2138192.8/23

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 707.225+/-0.129 χ^2/NDF:3122427.3/26

Out: 724.376+/-0.128 χ^2/NDF:3100773.8/31

All: 715.879+/-0.091 χ^2/NDF: 6232124.2/58



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 105.171+/-25.083 χ^2/NDF:25.4/12

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 47.280+/-25.776 χ^2/NDF:20.6/10

Left: 77.014+/-17.976 χ^2/NDF: 48.6/23

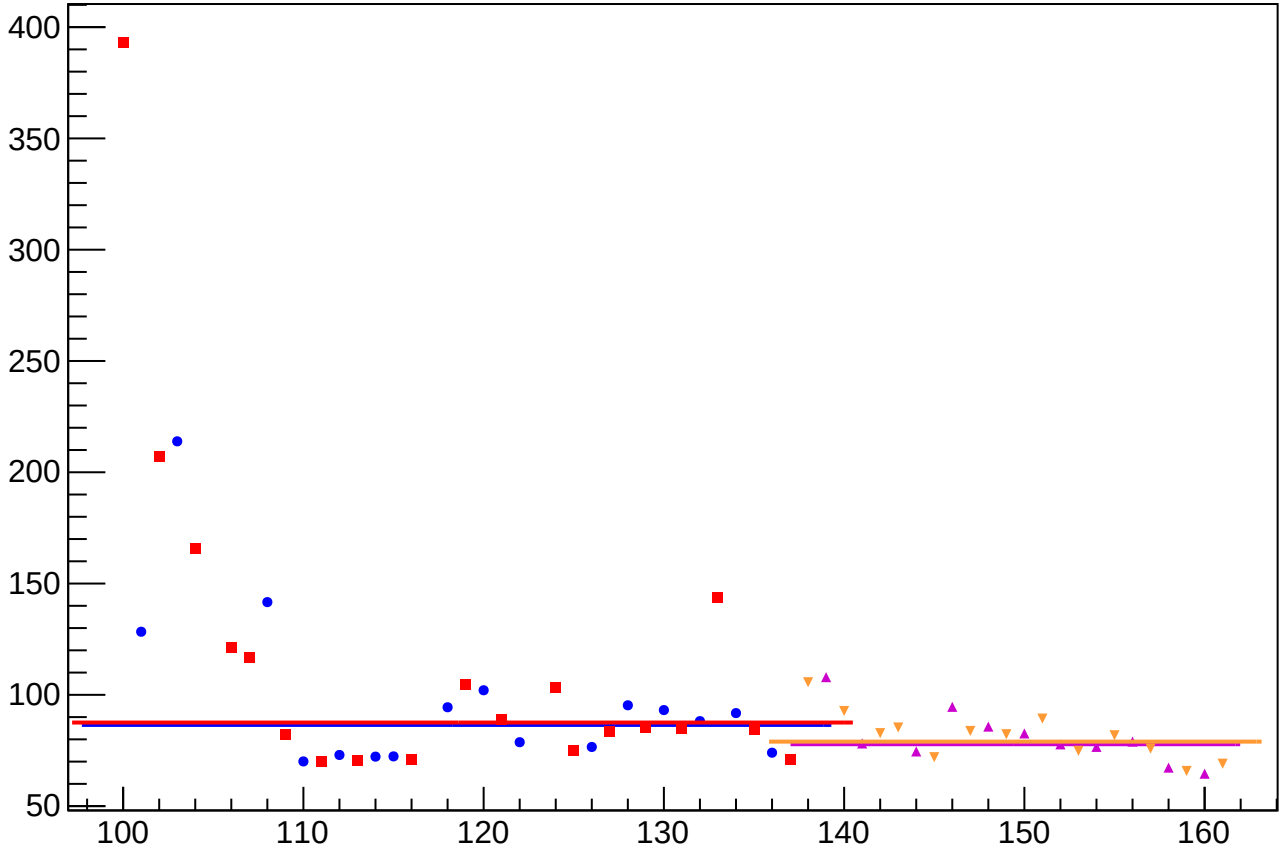
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 24.363+/-20.487 χ^2/NDF:41.0/26

Out: 58.839+/-20.200 χ^2/NDF:58.8/31

All: 41.844+/-14.384 χ^2/NDF: 101.2/58

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 78.979+/-0.018 χ^2/NDF:296616.3/12

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 77.808+/-0.018 χ^2/NDF:317250.3/10

Left: 78.409+/-0.013 χ^2/NDF: 615988.1/23

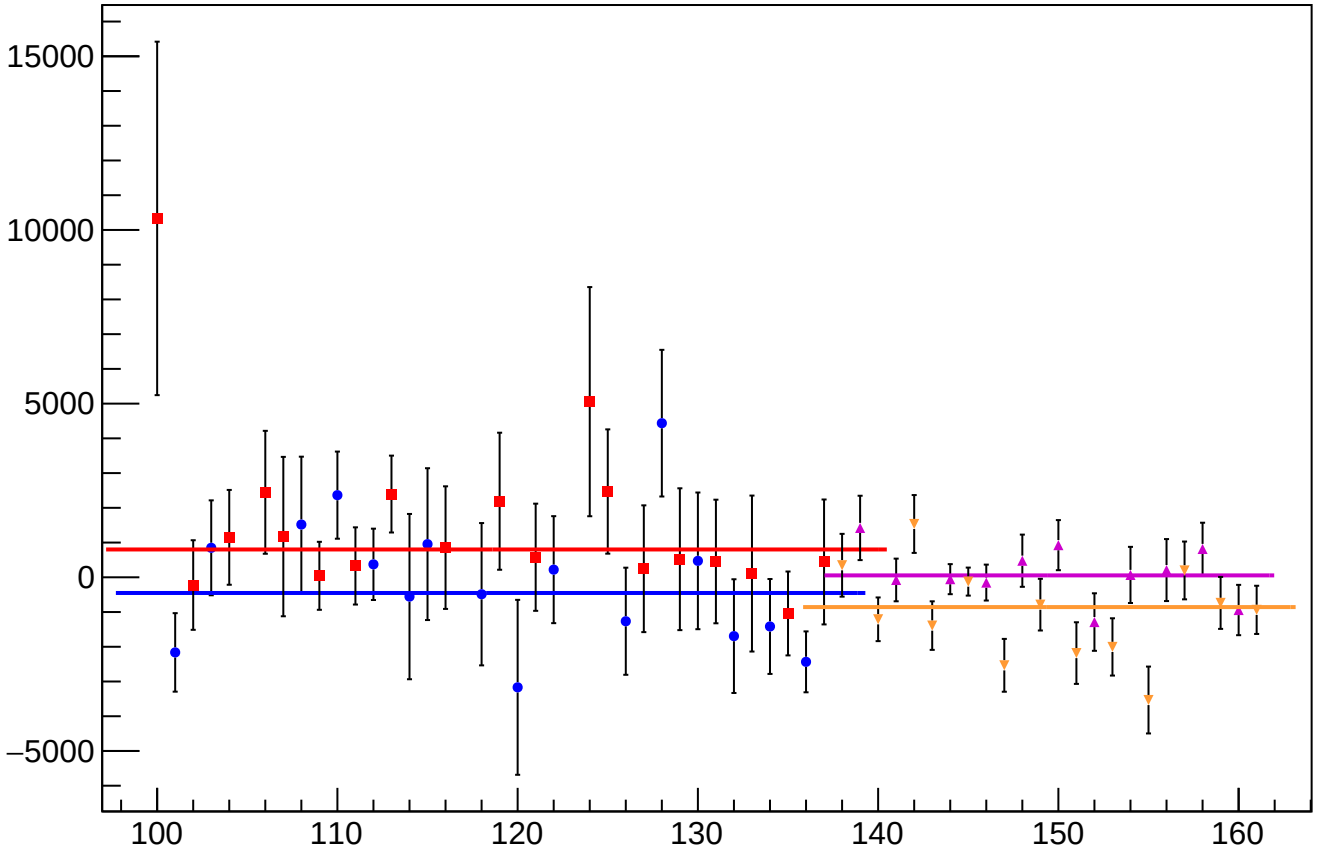
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.005+/-0.014 χ^2/NDF:1257052.8/26

Out: 81.993+/-0.014 χ^2/NDF:1508570.9/31

All: 81.506+/-0.010 χ^2/NDF: 2767984.4/58

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: -857.487+/-195.901 χ^2/NDF:32.6/12

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 54.925+/-202.048 χ^2/NDF:9.8/10

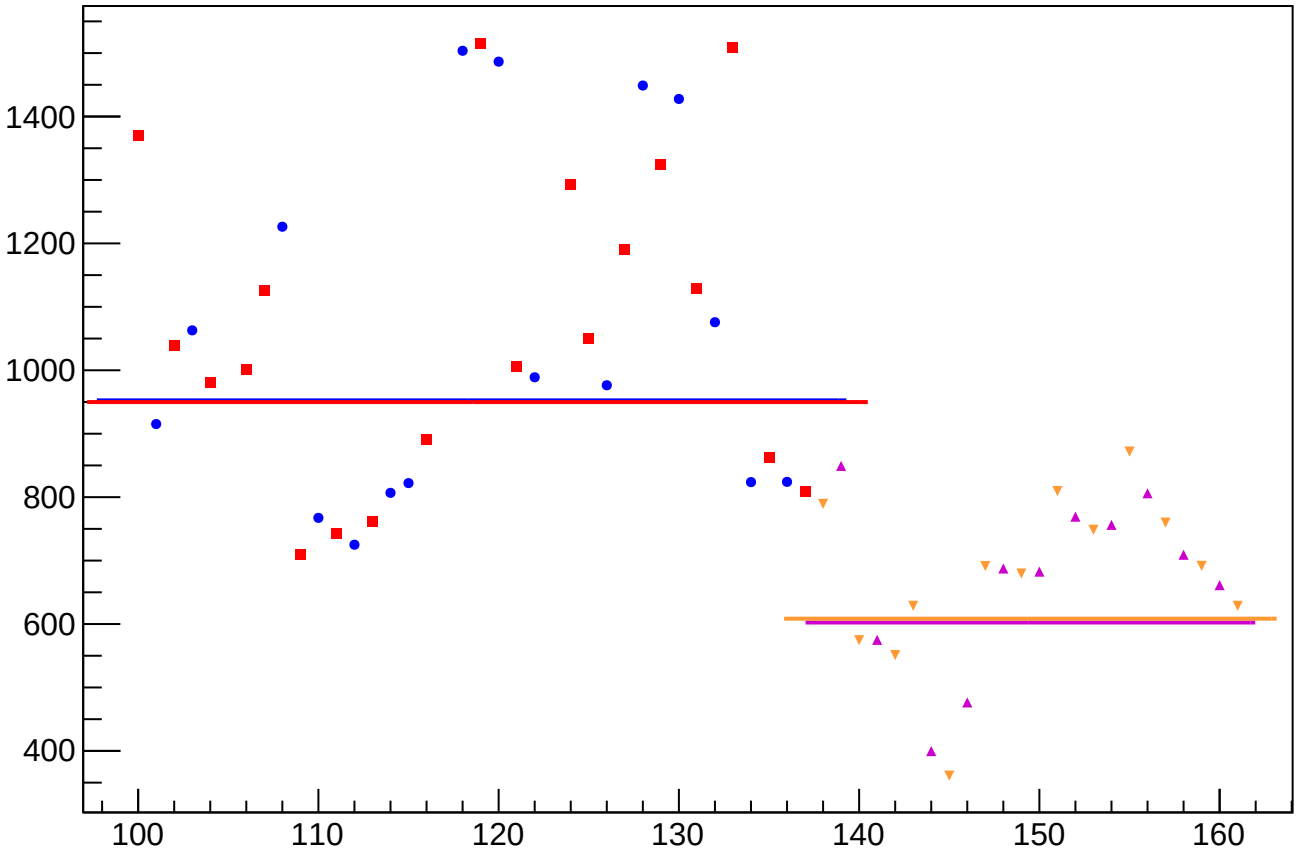
Left: -415.372+/-140.646 χ^2/NDF: 52.9/23

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -63.529+/-176.840 χ^2/NDF:35.0/26

Out: -475.043+/-171.839 χ^2/NDF:62.8/31

All: -275.188+/-123.239 χ^2/NDF: 100.5/58



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 608.450+/-0.139 χ^2/NDF:1295164.6/12

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 602.409+/-0.143 χ^2/NDF:1065203.0/10

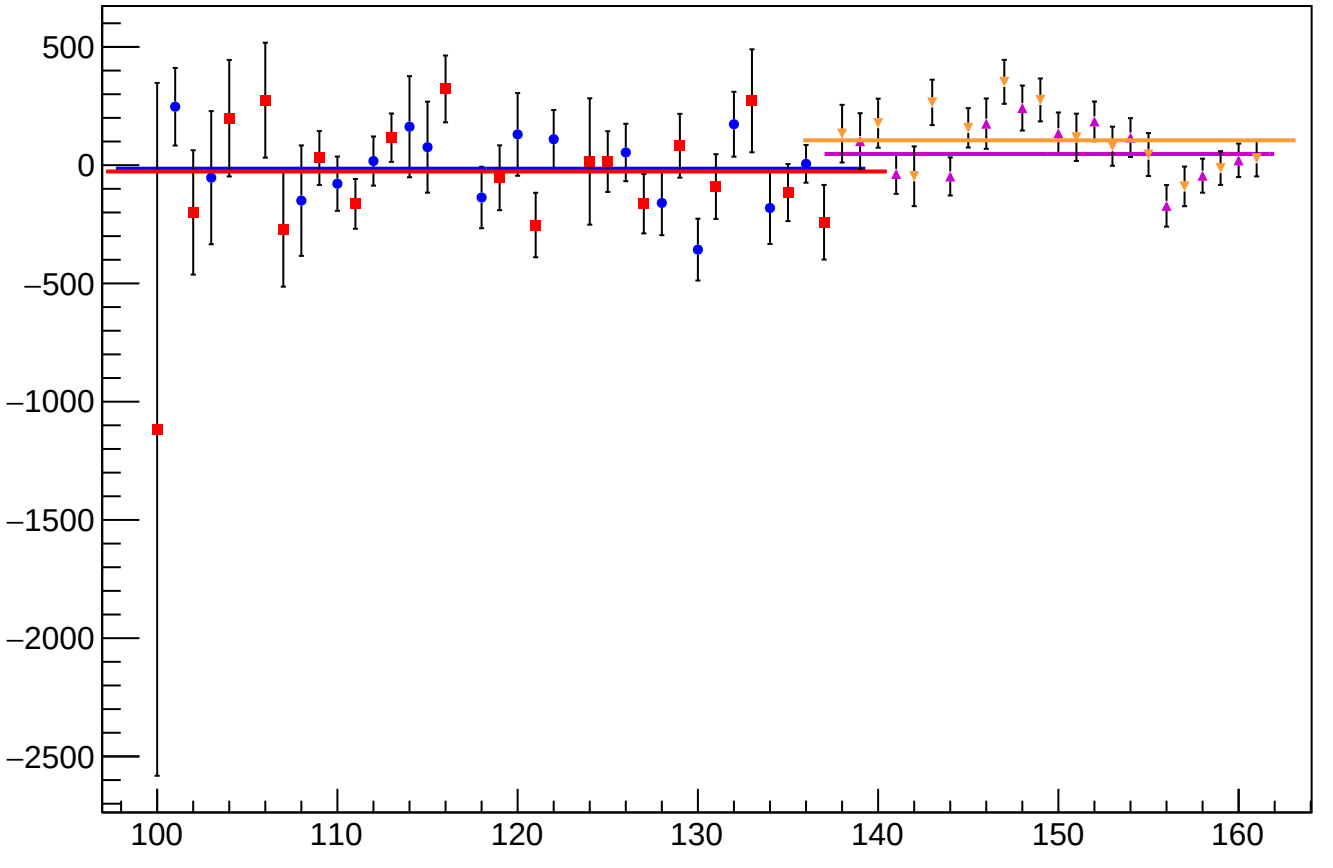
Left: 605.523+/-0.099 χ^2/NDF: 2361289.0/23

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 684.327+/-0.125 χ^2/NDF:3216773.5/26

Out: 687.176+/-0.122 χ^2/NDF:3447692.8/31

All: 685.792+/-0.087 χ^2/NDF: 6664733.2/58



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 105.173+/-25.083 χ^2/NDF:25.4/12

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 47.279+/-25.776 χ^2/NDF:20.6/10

Left: 77.015+/-17.977 χ^2/NDF: 48.6/23

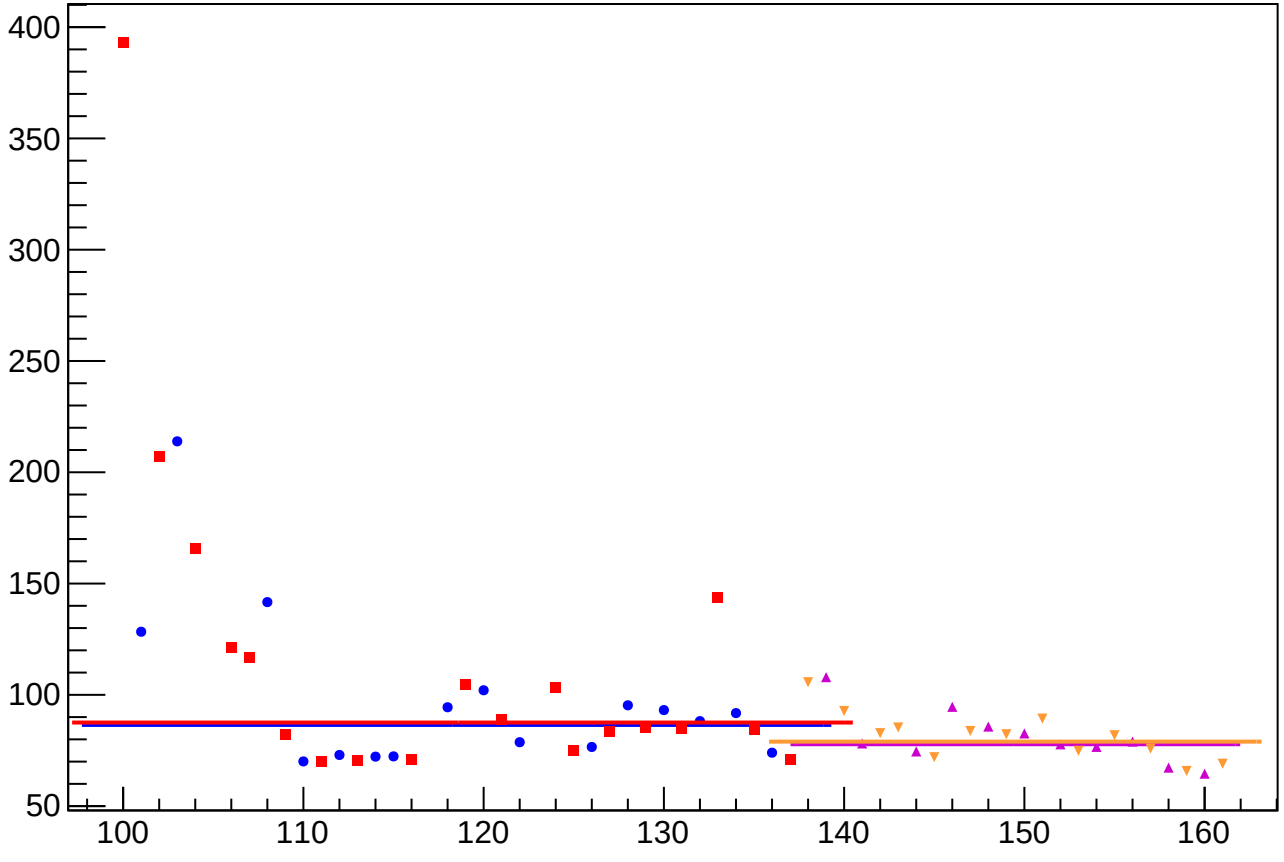
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 24.362+/-20.487 χ^2/NDF:41.0/26

Out: 58.839+/-20.200 χ^2/NDF:58.8/31

All: 41.844+/-14.384 χ^2/NDF: 101.2/58

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: 78.979+/-0.018 χ^2/NDF:296623.1/12

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 77.808+/-0.018 χ^2/NDF:317255.2/10

Left: 78.410+/-0.013 χ^2/NDF: 616000.1/23

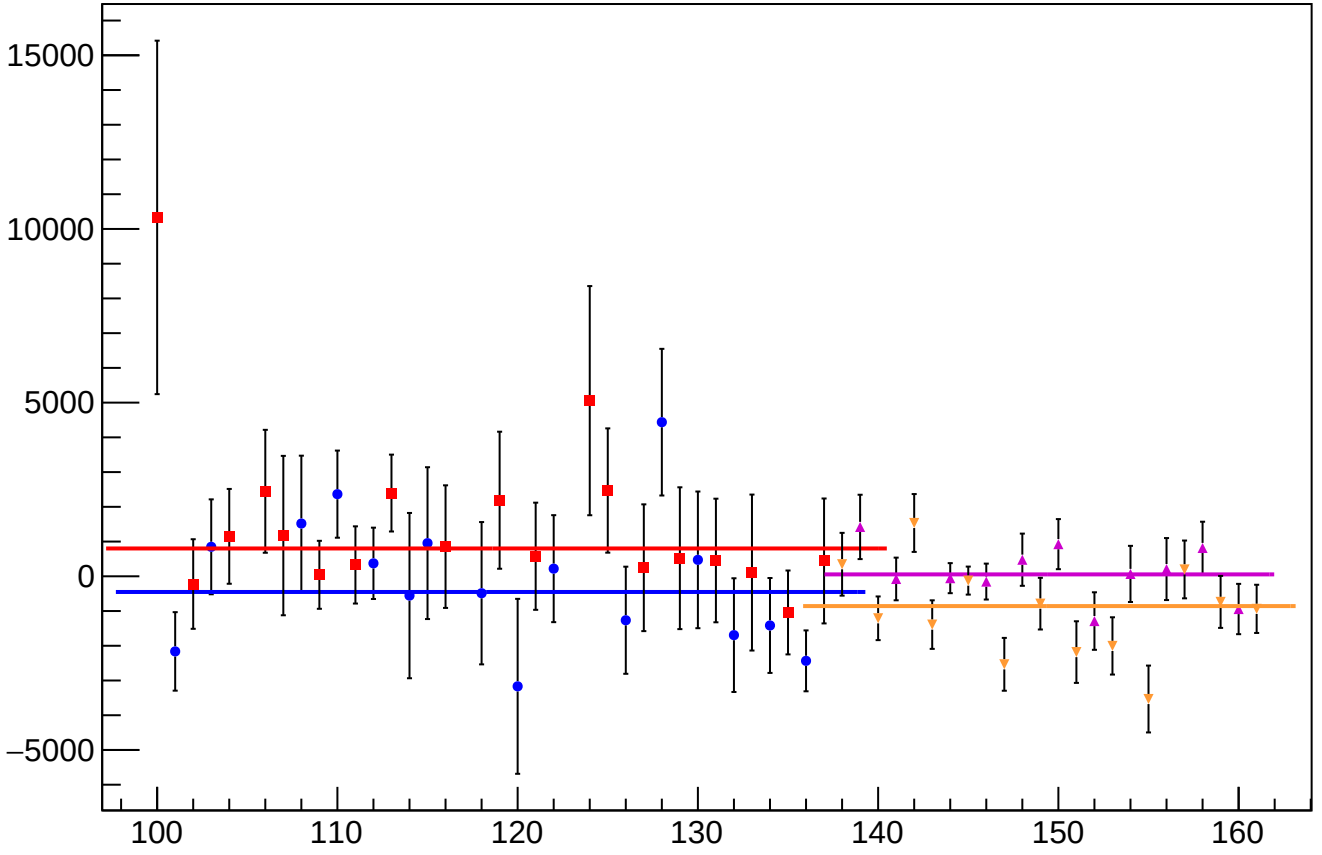
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 81.005+/-0.014 χ^2/NDF:1257051.0/26

Out: 81.993+/-0.014 χ^2/NDF:1508576.8/31

All: 81.506+/-0.010 χ^2/NDF: 2767988.9/58

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -857.488+/-195.901 χ^2/NDF:32.6/12

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 54.924+/-202.048 χ^2/NDF:9.8/10

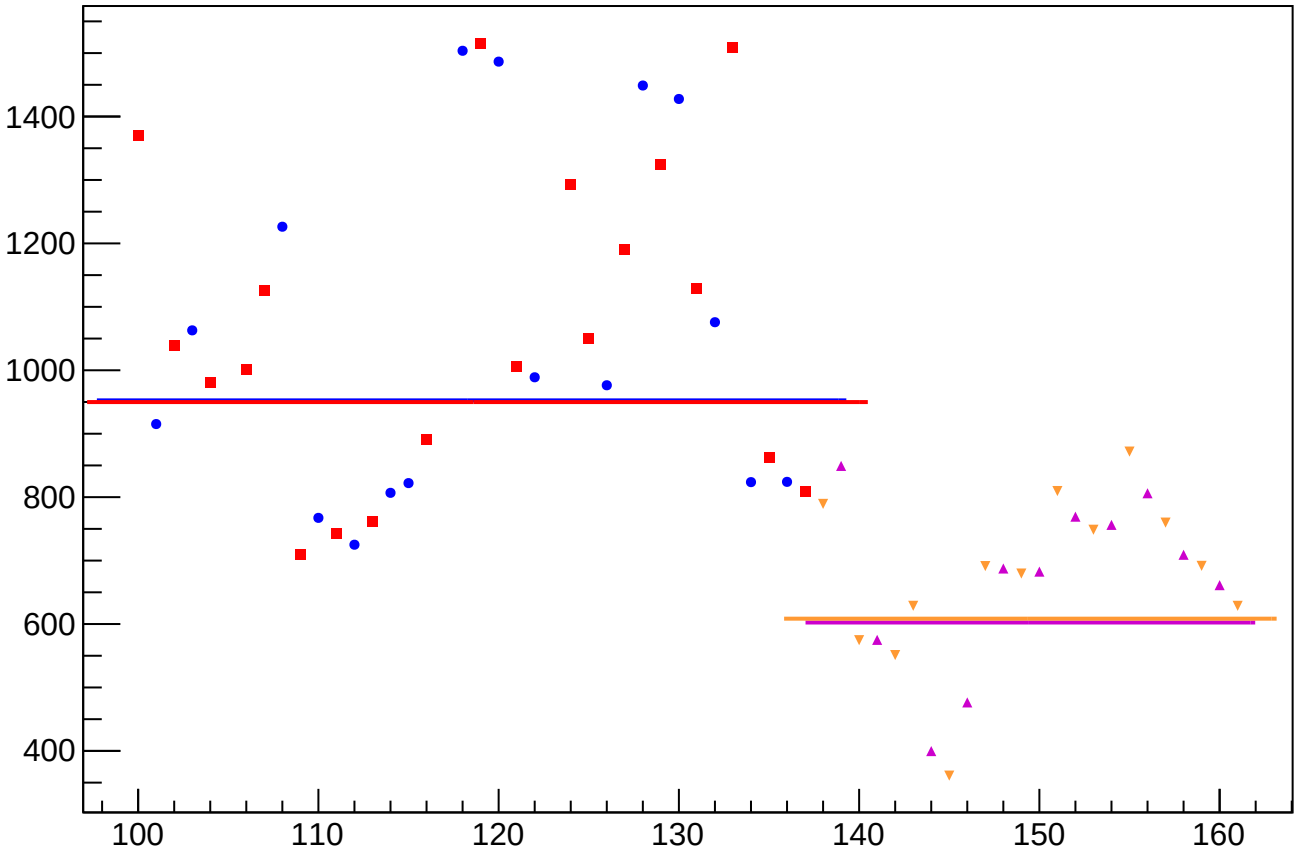
Left: -415.373+/-140.646 χ^2/NDF: 52.9/23

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -63.529+/-176.840 χ^2/NDF:35.0/26

Out: -475.043+/-171.839 χ^2/NDF:62.8/31

All: -275.188+/-123.238 χ^2/NDF: 100.5/58



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 608.449+/-0.139 χ^2/NDF:1295165.7/12

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 602.409+/-0.143 χ^2/NDF:1065202.4/10

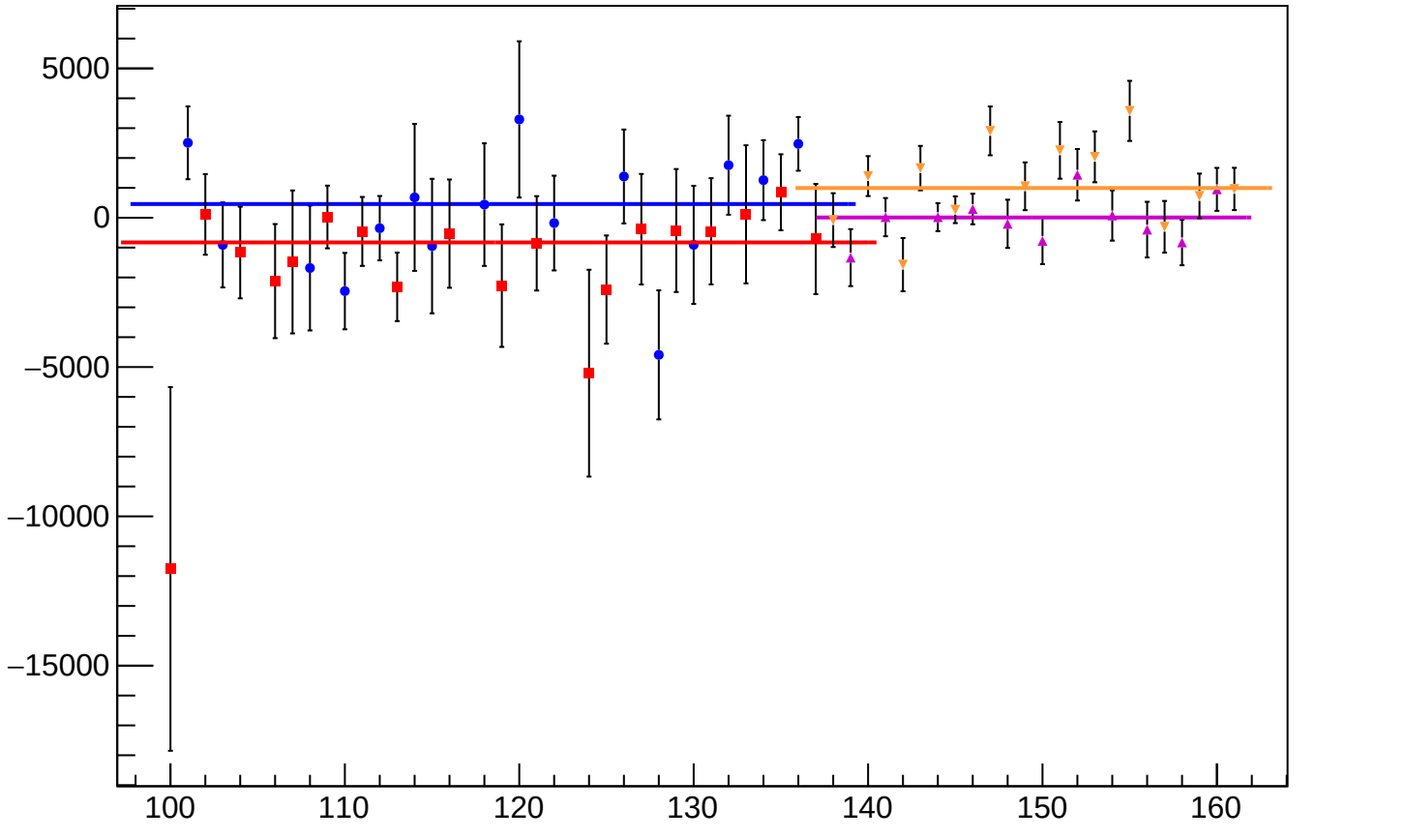
Left: 605.522+/-0.099 χ^2/NDF: 2361289.4/23

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 684.327+/-0.125 χ^2/NDF:3216770.7/26

Out: 687.175+/-0.122 χ^2/NDF:3447689.6/31

All: 685.792+/-0.087 χ^2/NDF: 6664727.1/58



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 995.268+/-207.903 χ^2/NDF:31.2/12

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 8.363+/-210.098 χ^2/NDF:9.2/10

Left: 506.998+/-147.780 χ^2/NDF: 51.6/23

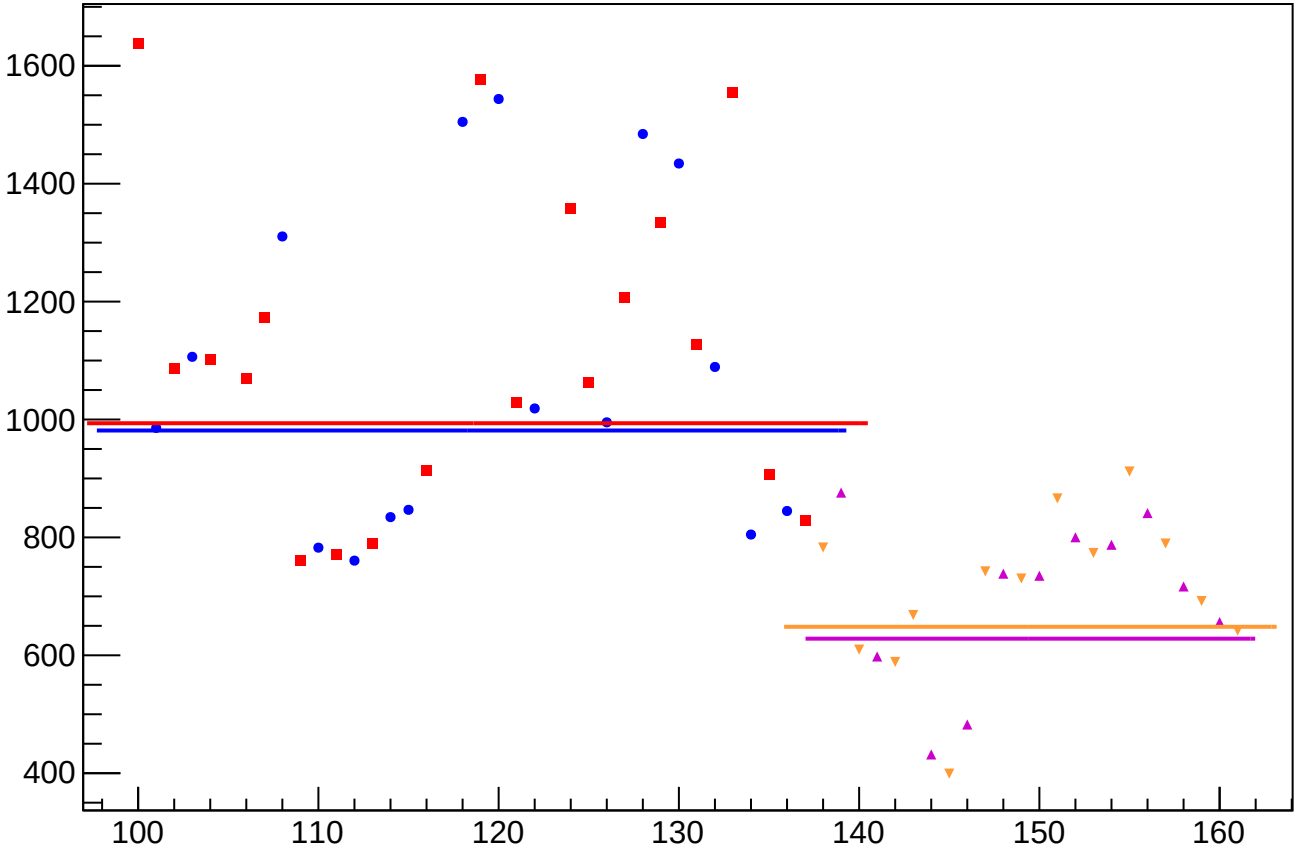
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 115.240+/-183.509 χ^2/NDF:34.9/26

Out: 565.630+/-181.742 χ^2/NDF:61.0/31

All: 342.613+/-129.131 χ^2/NDF: 98.9/58

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 648.378+/-0.147 χ^2/NDF:1069974.2/12

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 628.213+/-0.149 χ^2/NDF:1013815.3/10

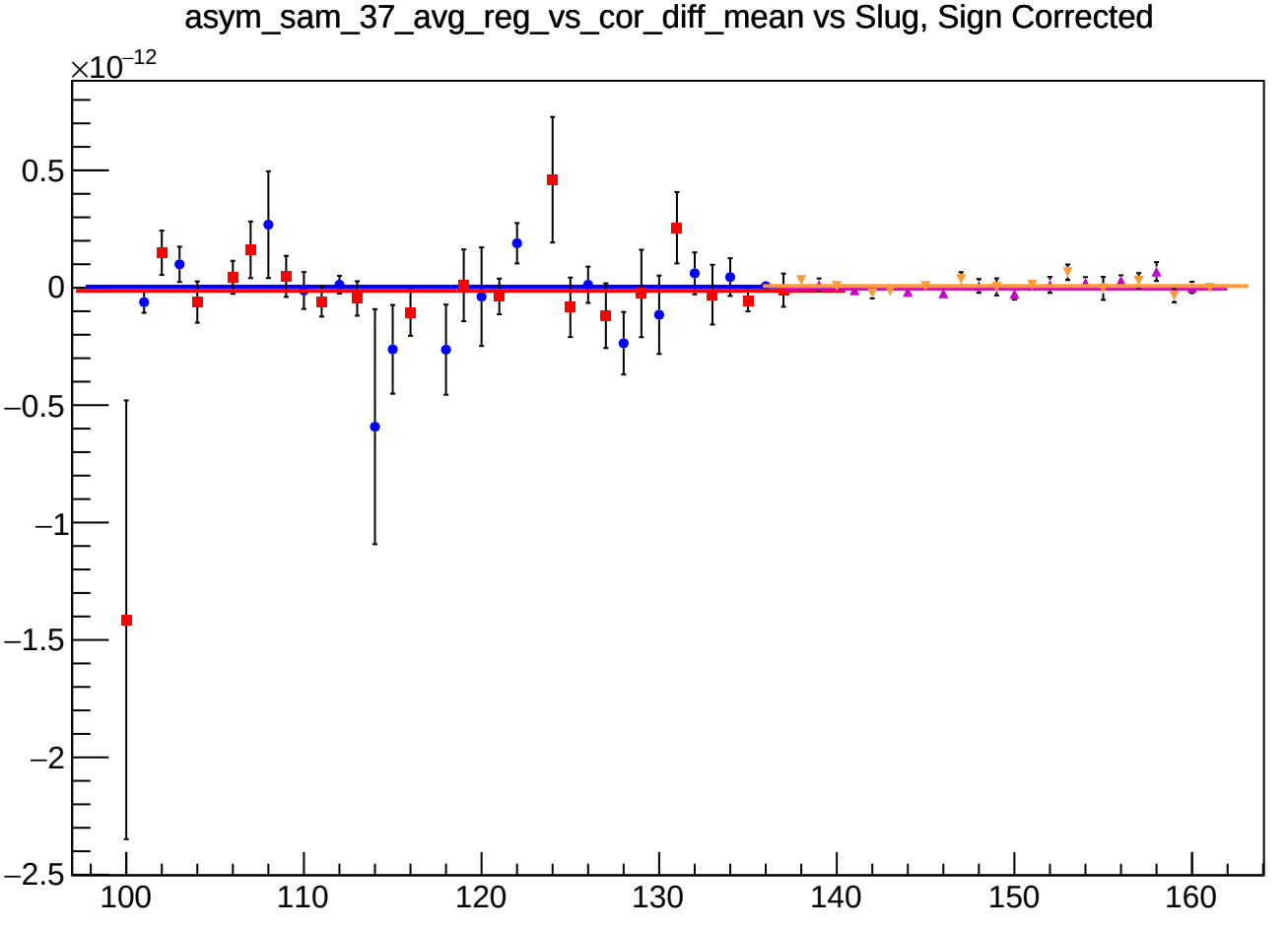
Left: 638.401+/-0.104 χ^2/NDF: 2093098.4/23

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 711.940+/-0.130 χ^2/NDF:3091101.2/26

Out: 729.812+/-0.129 χ^2/NDF:3090899.0/31

All: 720.962+/-0.091 χ^2/NDF: 6191577.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/10

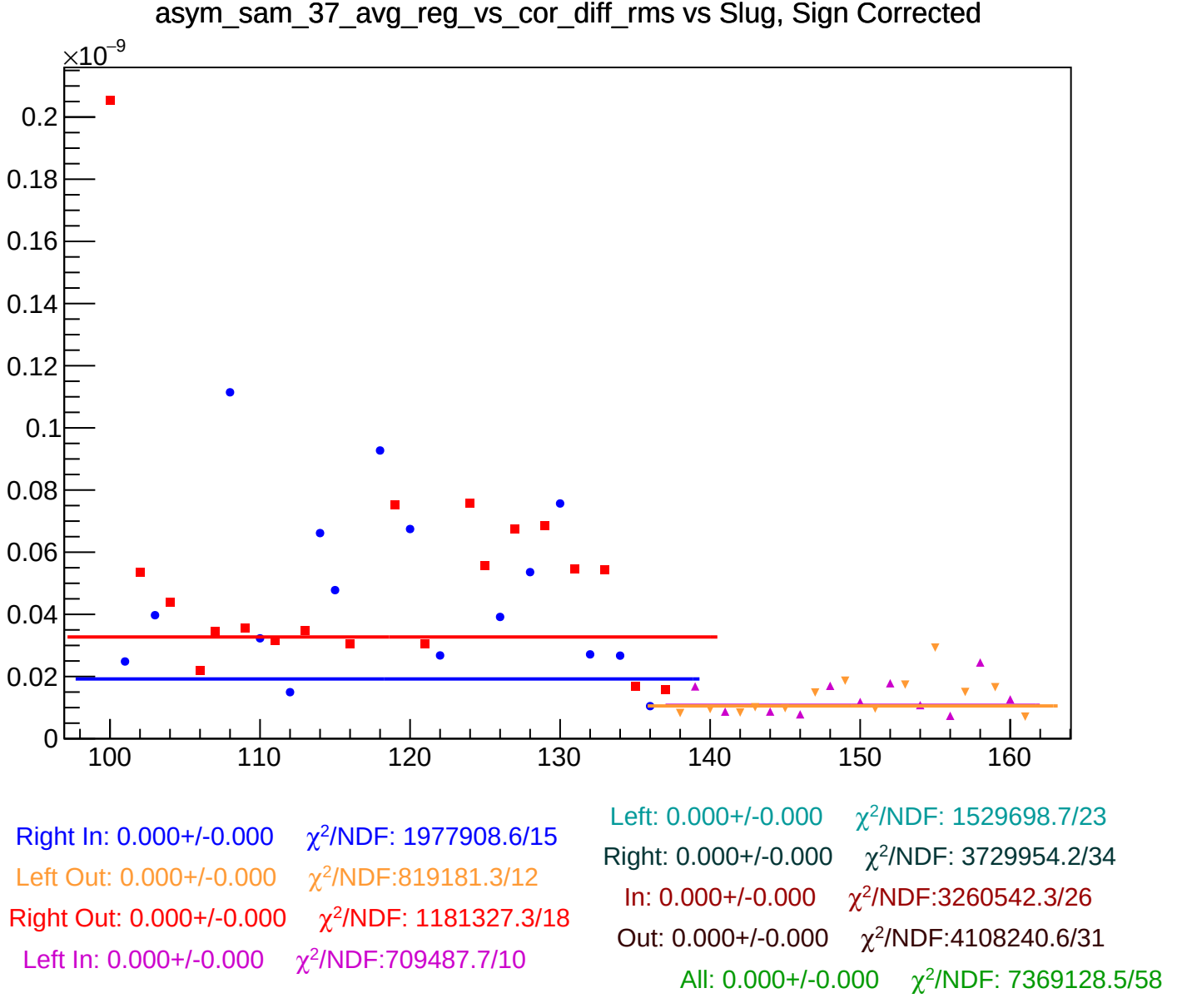
Left: 0.000+/-0.000 χ^2/NDF: 24.7/23

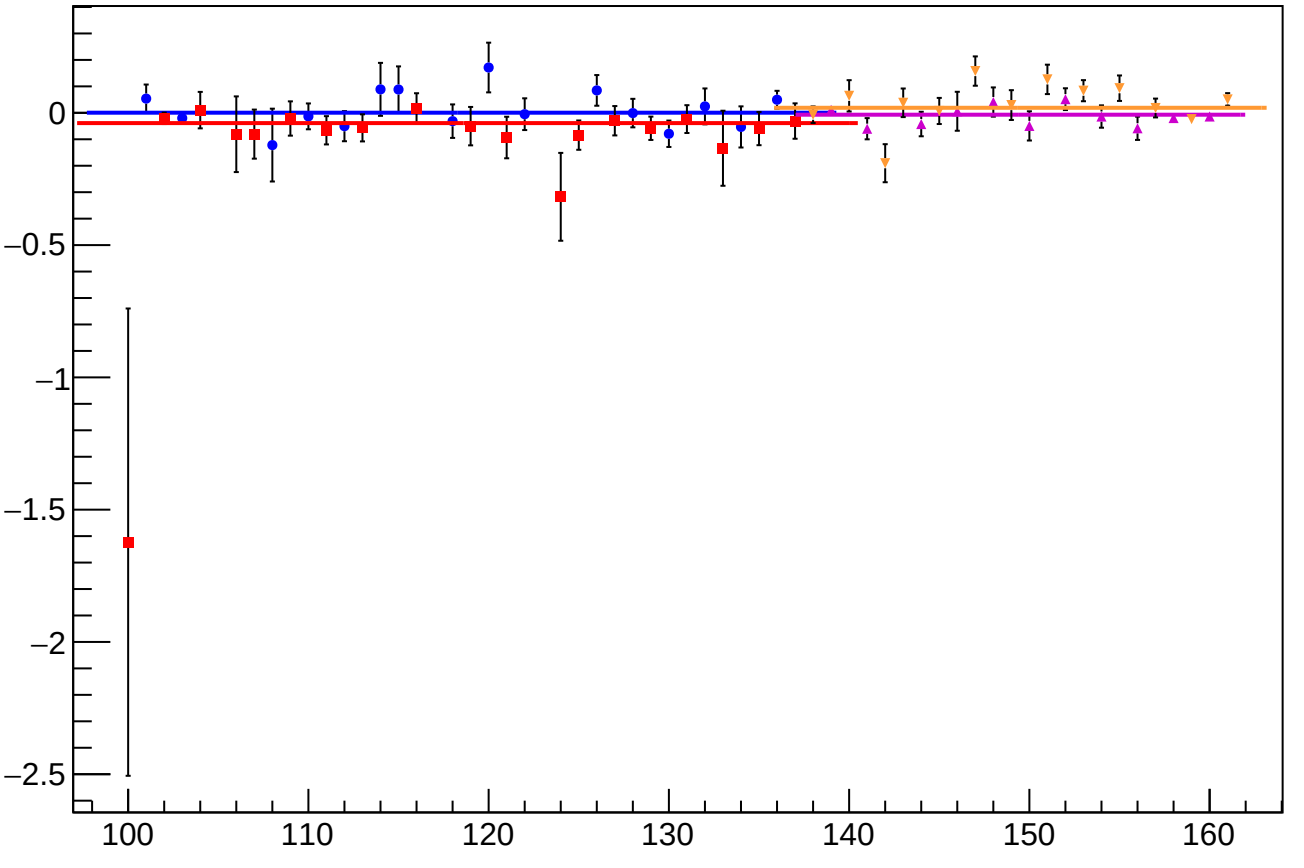
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/26

Out: 0.000+/-0.000 χ^2/NDF:31.4/31

All: 0.000+/-0.000 χ^2/NDF: 63.4/58


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:819181.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:709487.7/10
Left: 0.000+/-0.000 χ²/NDF: 1529698.7/23
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:3260542.3/26
Out: 0.000+/-0.000 χ²/NDF:4108240.6/31
All: 0.000+/-0.000 χ²/NDF: 7369128.5/58



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/10

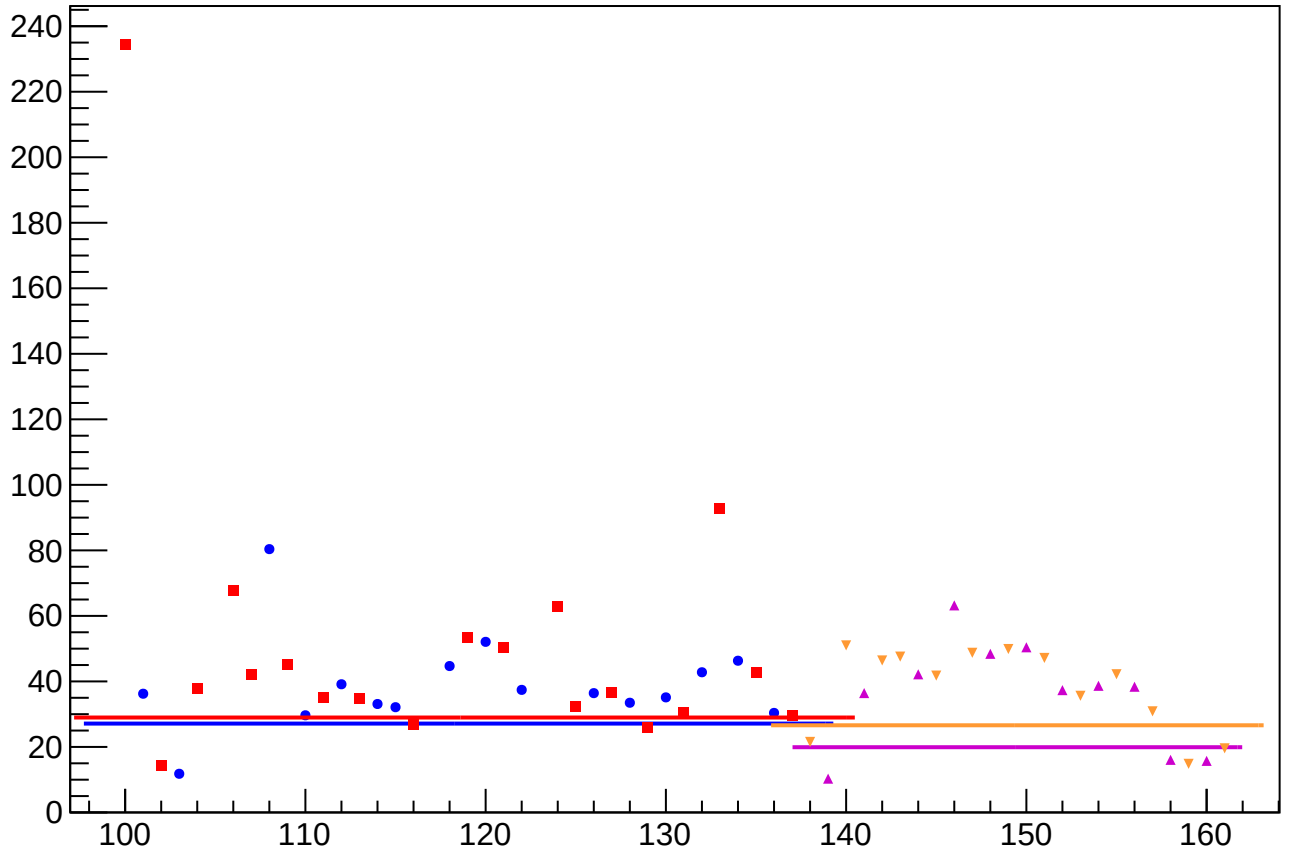
Left: 0.004+/-0.006 χ^2/NDF: 47.4/23

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.003+/-0.008 χ^2/NDF:57.8/31

All: -0.004+/-0.005 χ^2/NDF: 84.2/58



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 26.608+/-0.007 χ^2/NDF:3506629.3/12

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

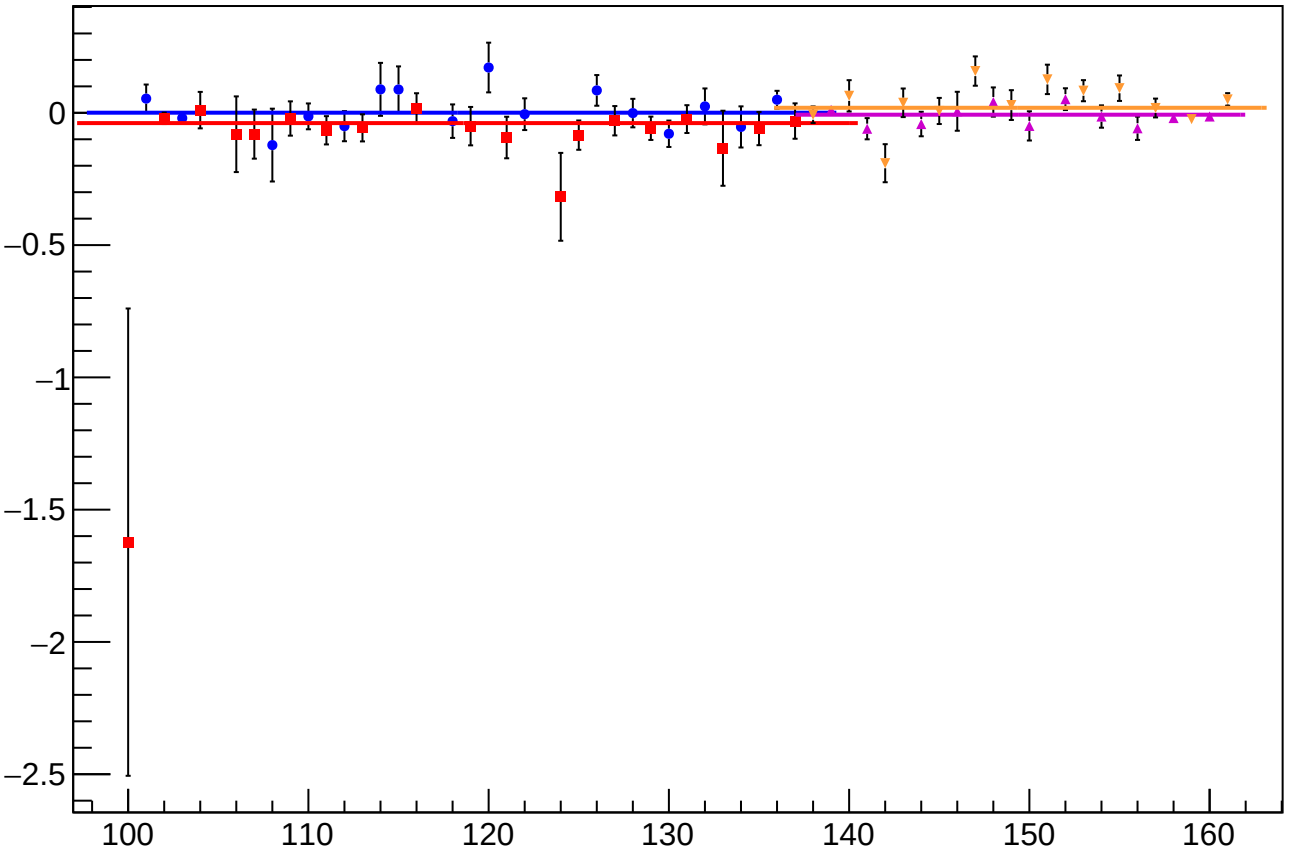
Left: 22.633+/-0.004 χ^2/NDF: 9031387.5/23

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.147+/-0.005 χ^2/NDF:7875676.2/26

Out: 27.492+/-0.005 χ^2/NDF:6007021.9/31

All: 24.443+/-0.004 χ^2/NDF: 14430249.4/58



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.004+/-0.006 χ^2/NDF: 47.4/23

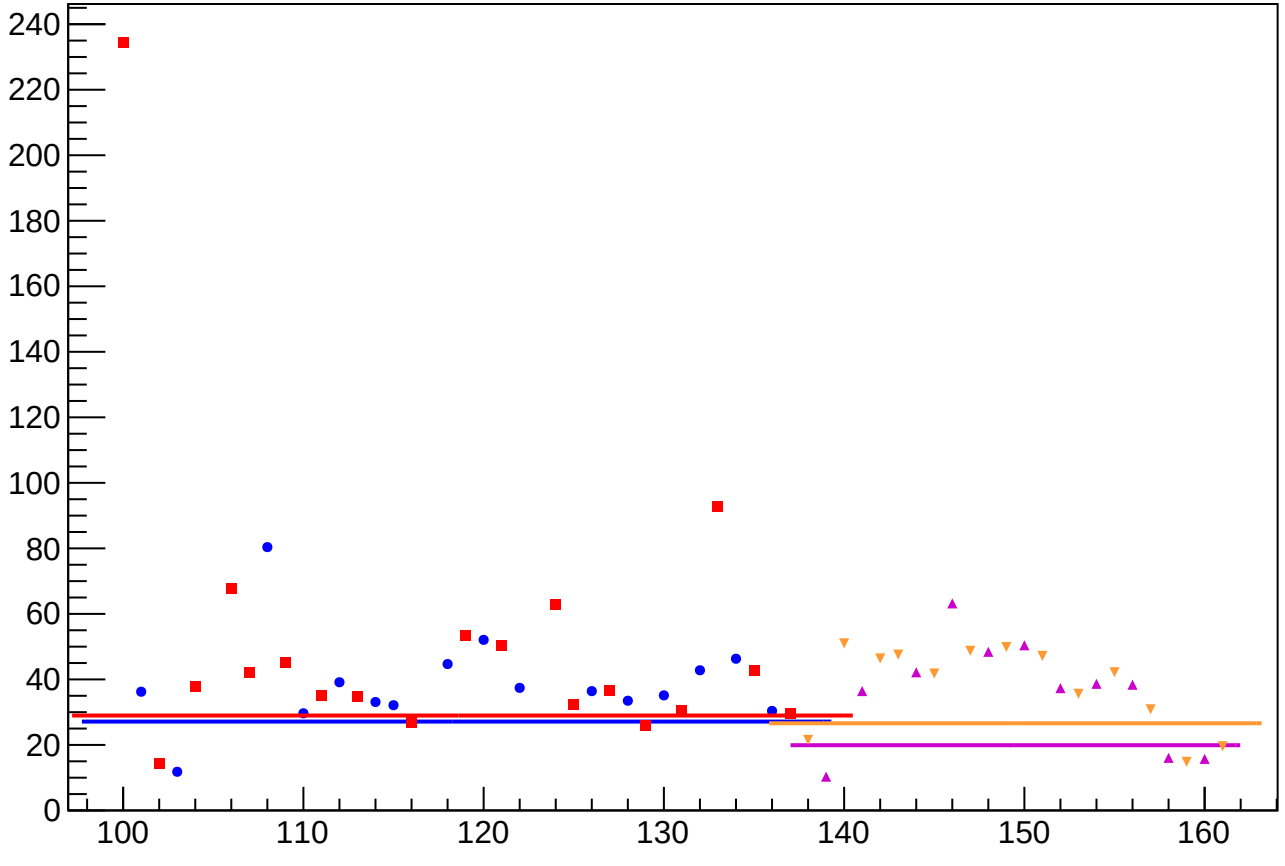
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.003+/-0.008 χ^2/NDF:57.8/31

All: -0.004+/-0.005 χ^2/NDF: 84.2/58

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: 26.608+/-0.007 χ^2/NDF:3506629.3/12

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

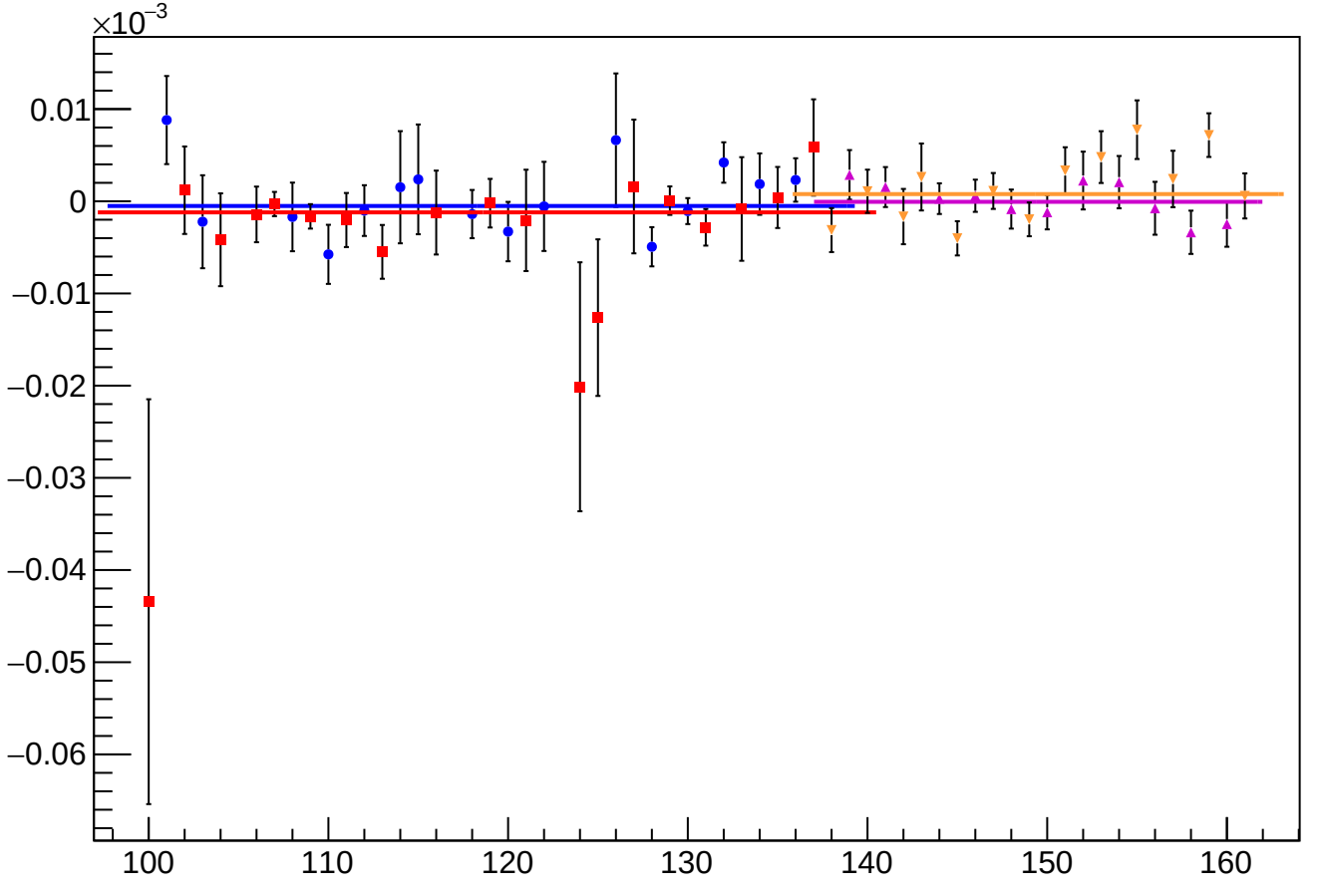
Left: 22.633+/-0.004 χ^2/NDF: 9031387.5/23

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.147+/-0.005 χ^2/NDF:7875676.2/26

Out: 27.492+/-0.005 χ^2/NDF:6007021.9/31

All: 24.443+/-0.004 χ^2/NDF: 14430249.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

Left: 0.000+/-0.000 χ^2/NDF: 35.4/23

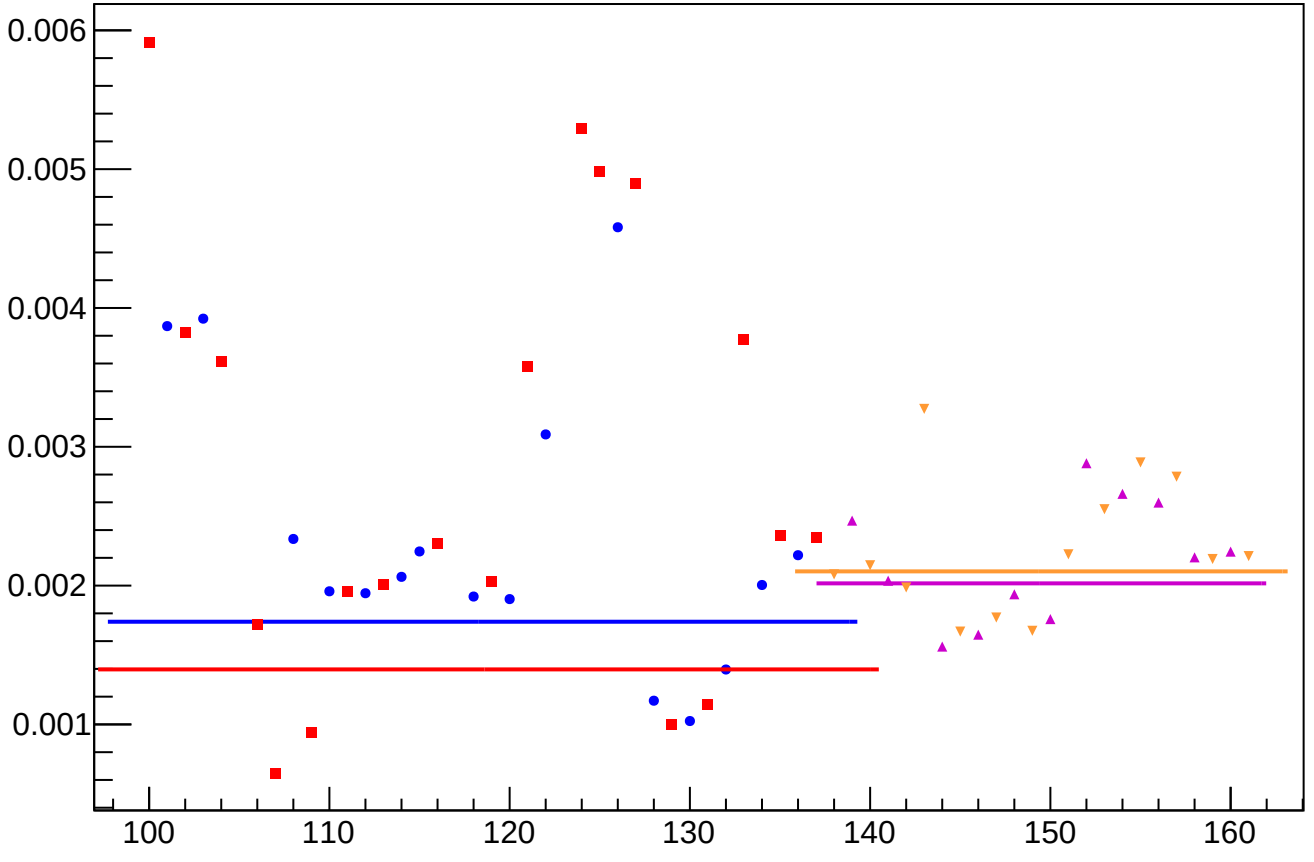
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/26

Out: -0.000+/-0.000 χ^2/NDF:47.4/31

All: -0.000+/-0.000 χ^2/NDF: 74.1/58

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:771427.0/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:704803.8/10

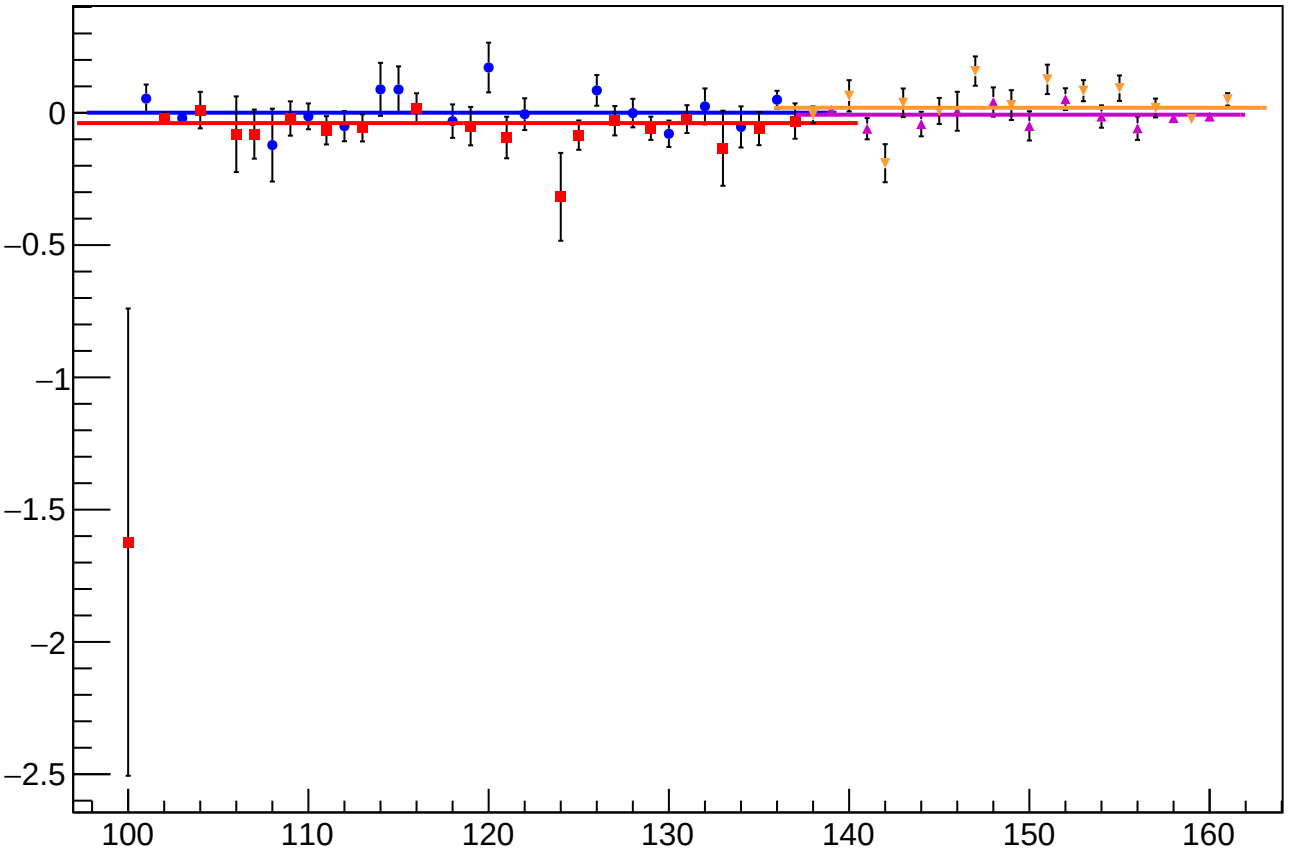
Left: 0.002+/-0.000 χ^2/NDF: 1492912.1/23

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3010982.0/26

Out: 0.002+/-0.000 χ^2/NDF:6307015.1/31

All: 0.002+/-0.000 χ^2/NDF: 9448844.8/58



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.004+/-0.006 χ^2/NDF: 47.4/23

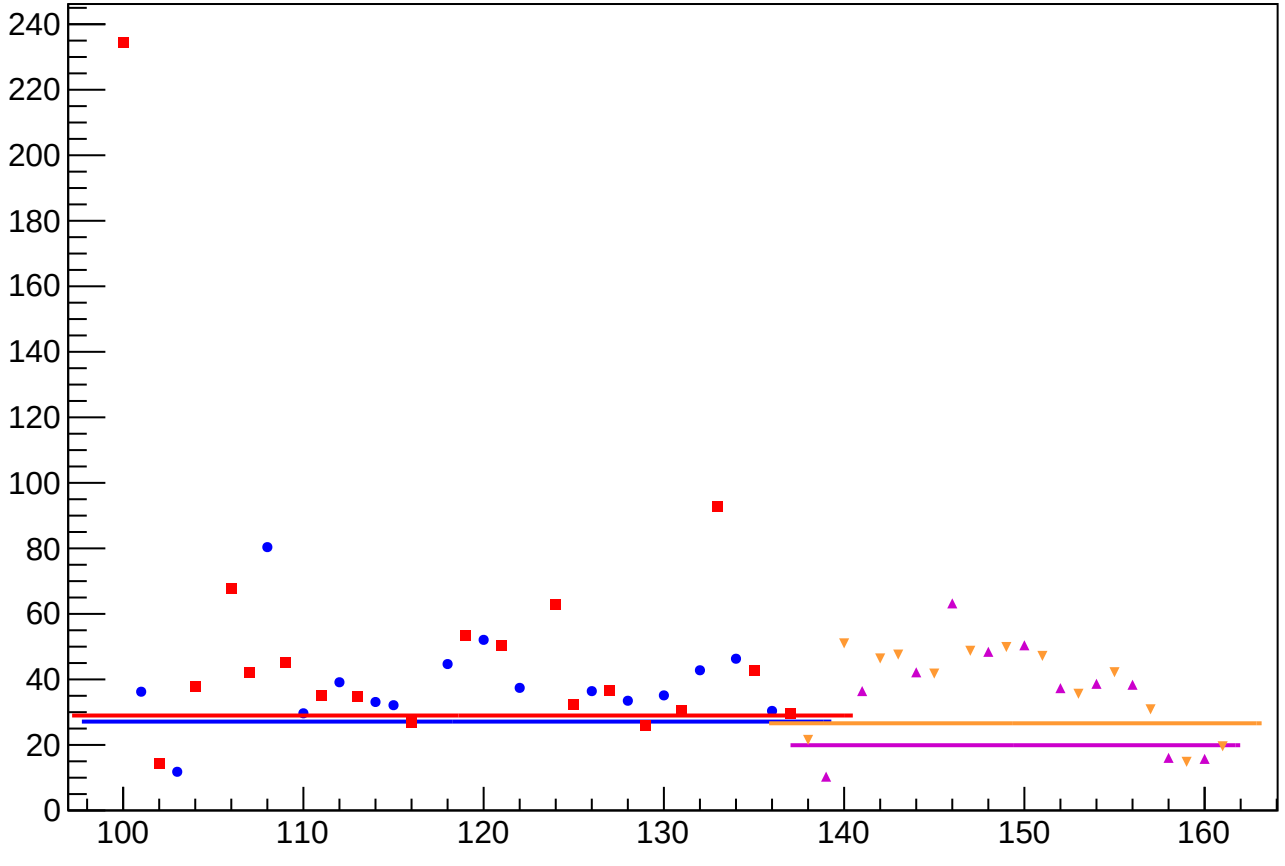
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.003+/-0.008 χ^2/NDF:57.8/31

All: -0.004+/-0.005 χ^2/NDF: 84.2/58

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: 26.608+/-0.007 χ^2/NDF:3507036.4/12

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

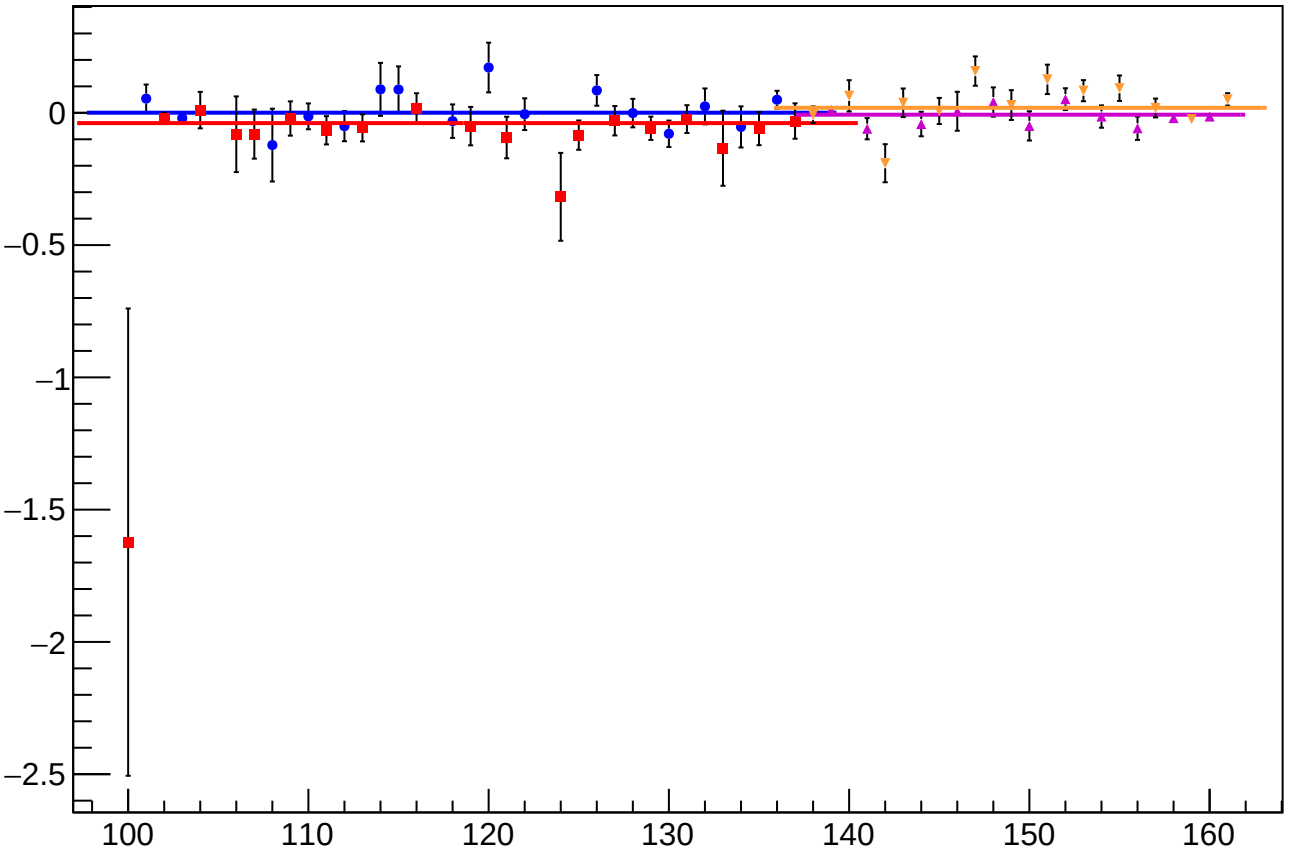
Left: 22.632+/-0.004 χ^2/NDF: 9032564.1/23

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.146+/-0.005 χ^2/NDF:7876759.5/26

Out: 27.493+/-0.005 χ^2/NDF:6006962.0/31

All: 24.442+/-0.004 χ^2/NDF: 14431634.0/58



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/10

Left: 0.004+/-0.006 χ^2/NDF: 47.4/23

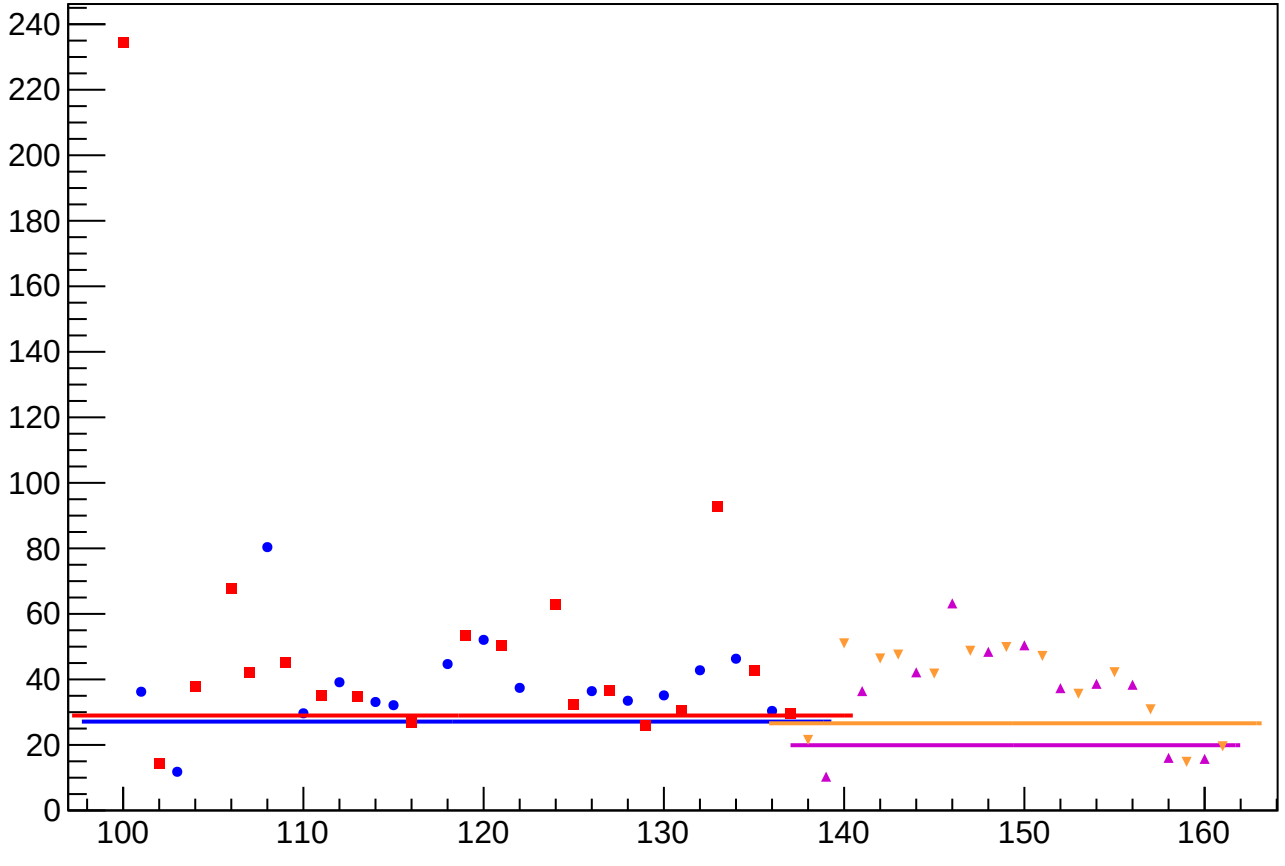
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/26

Out: -0.003+/-0.008 χ^2/NDF:57.8/31

All: -0.004+/-0.005 χ^2/NDF: 84.2/58

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: 26.608+/-0.007 χ^2/NDF:3507036.4/12

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

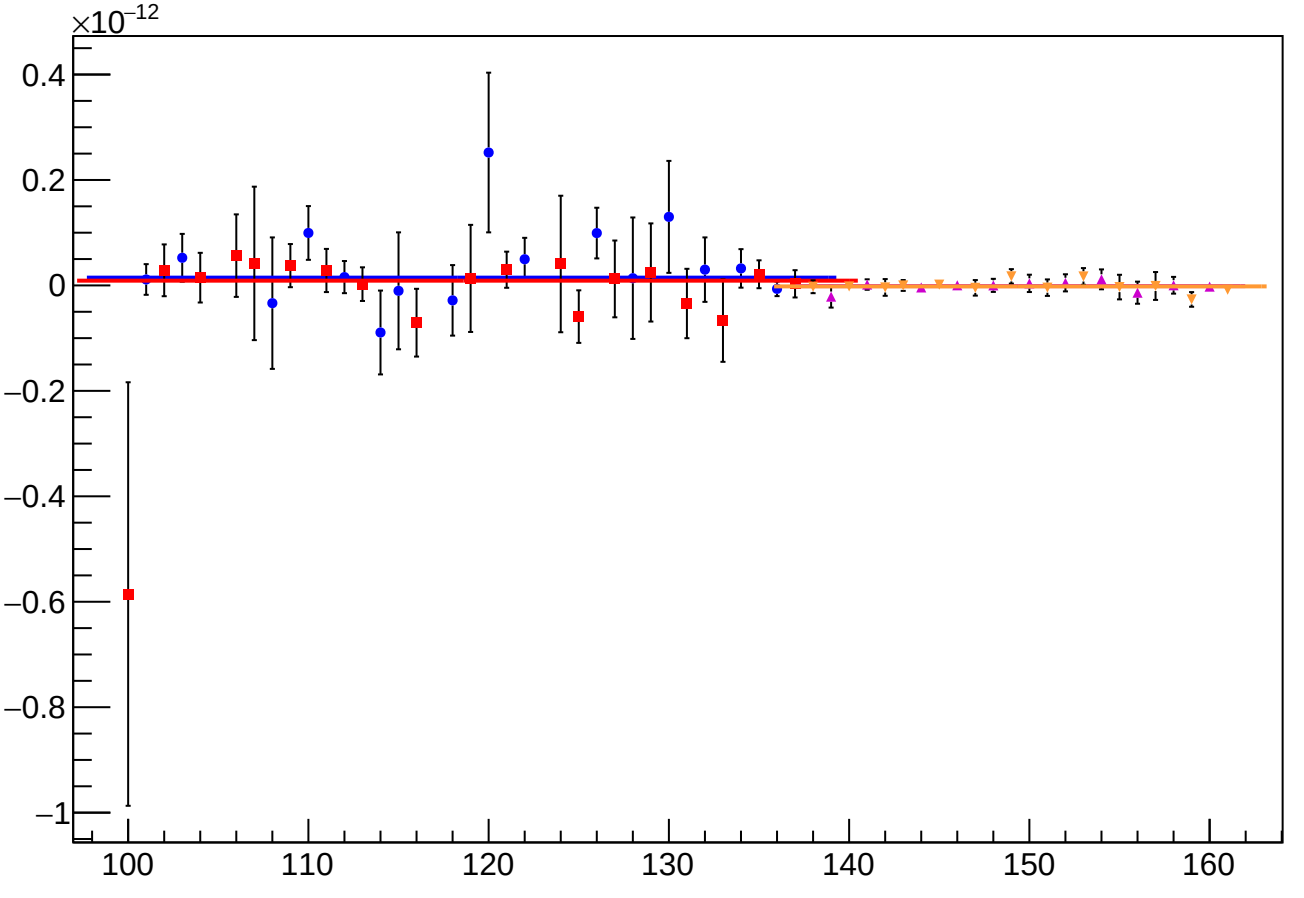
Left: 22.632+/-0.004 χ^2/NDF: 9032564.1/23

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.146+/-0.005 χ^2/NDF:7876759.5/26

Out: 27.493+/-0.005 χ^2/NDF:6006962.0/31

All: 24.442+/-0.004 χ^2/NDF: 14431634.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/10

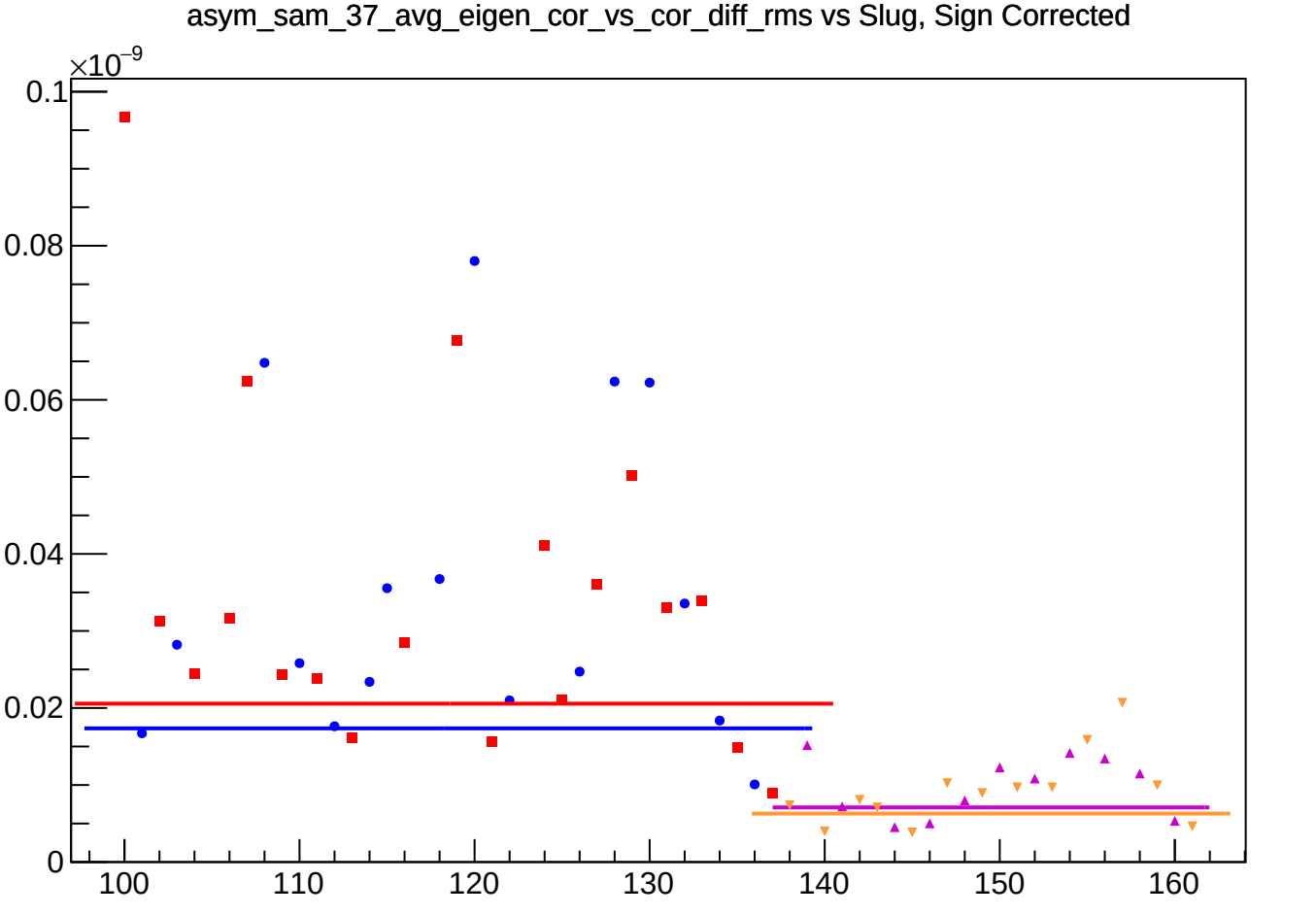
Left: -0.000+/-0.000 χ^2/NDF: 9.8/23

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.8/26

Out: -0.000+/-0.000 χ^2/NDF:17.5/31

All: -0.000+/-0.000 χ^2/NDF: 38.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2147990.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1743498.7/10

Left: 0.000+/-0.000 χ^2/NDF: 3952971.3/23

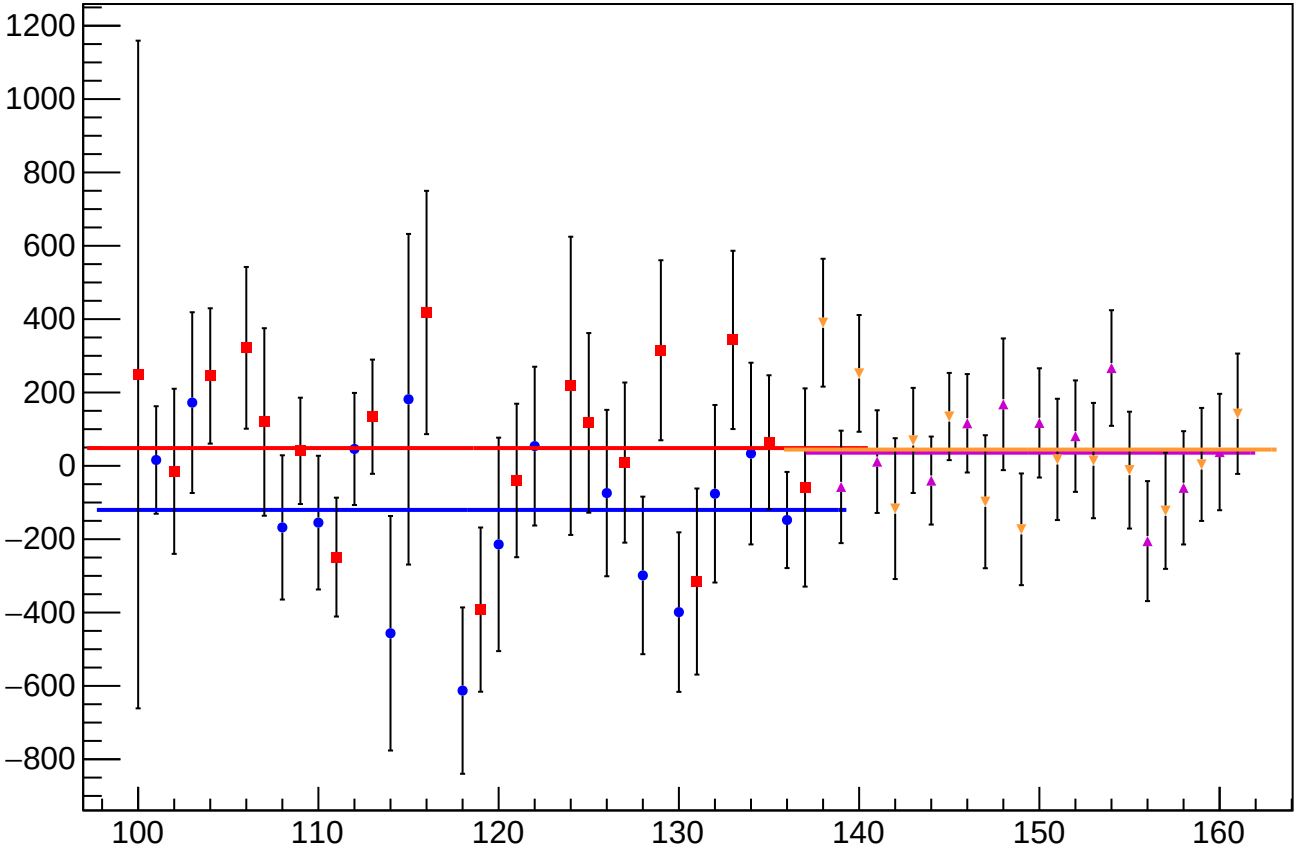
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6271911.4/26

Out: 0.000+/-0.000 χ^2/NDF:7296844.7/31

All: 0.000+/-0.000 χ^2/NDF: 13666691.0/58

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.361+/-43.522 χ^2/NDF:11.3/12

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 35.891+/-44.847 χ^2/NDF:6.8/10

Left: 40.253+/-31.233 χ^2/NDF: 18.1/23

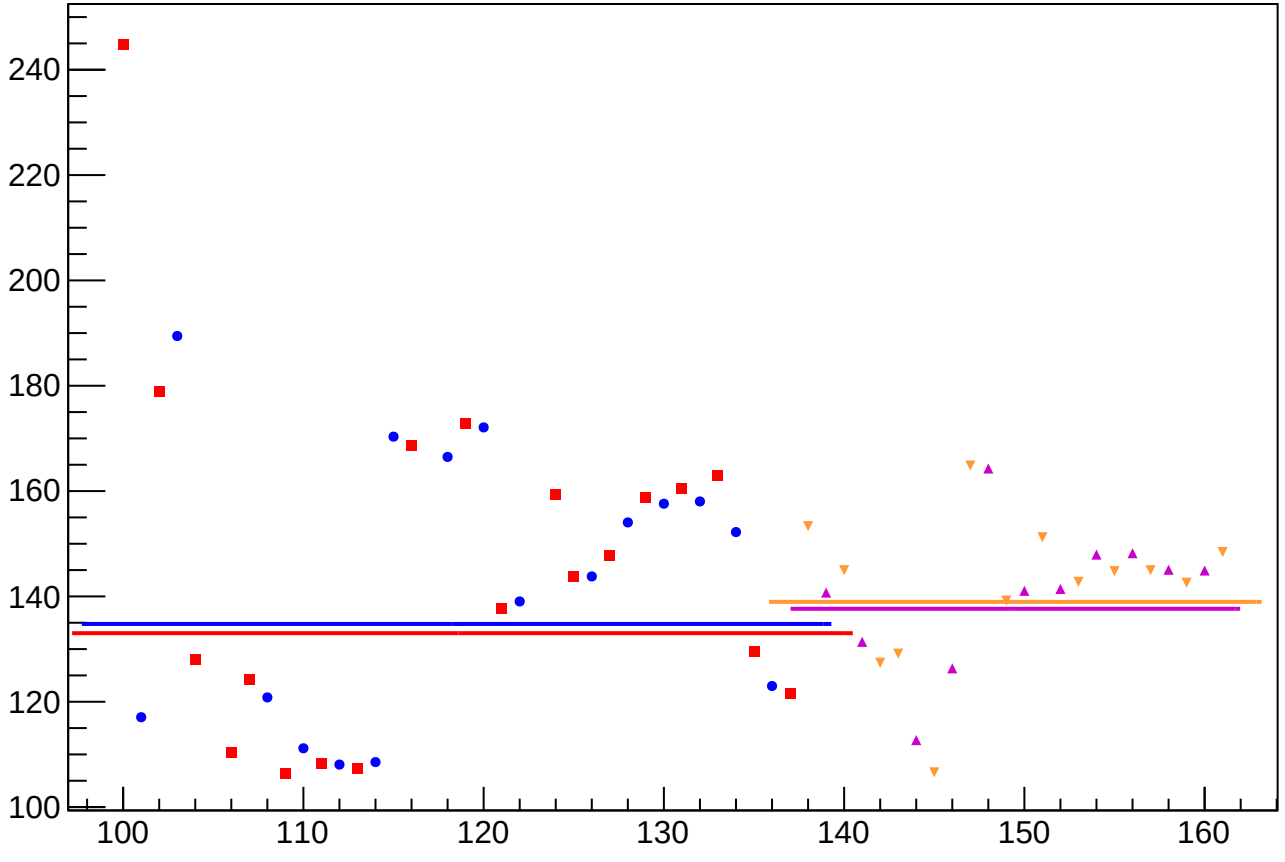
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -32.002+/-33.708 χ^2/NDF:25.5/26

Out: 46.127+/-32.802 χ^2/NDF:28.3/31

All: 8.126+/-23.508 χ^2/NDF: 56.5/58

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

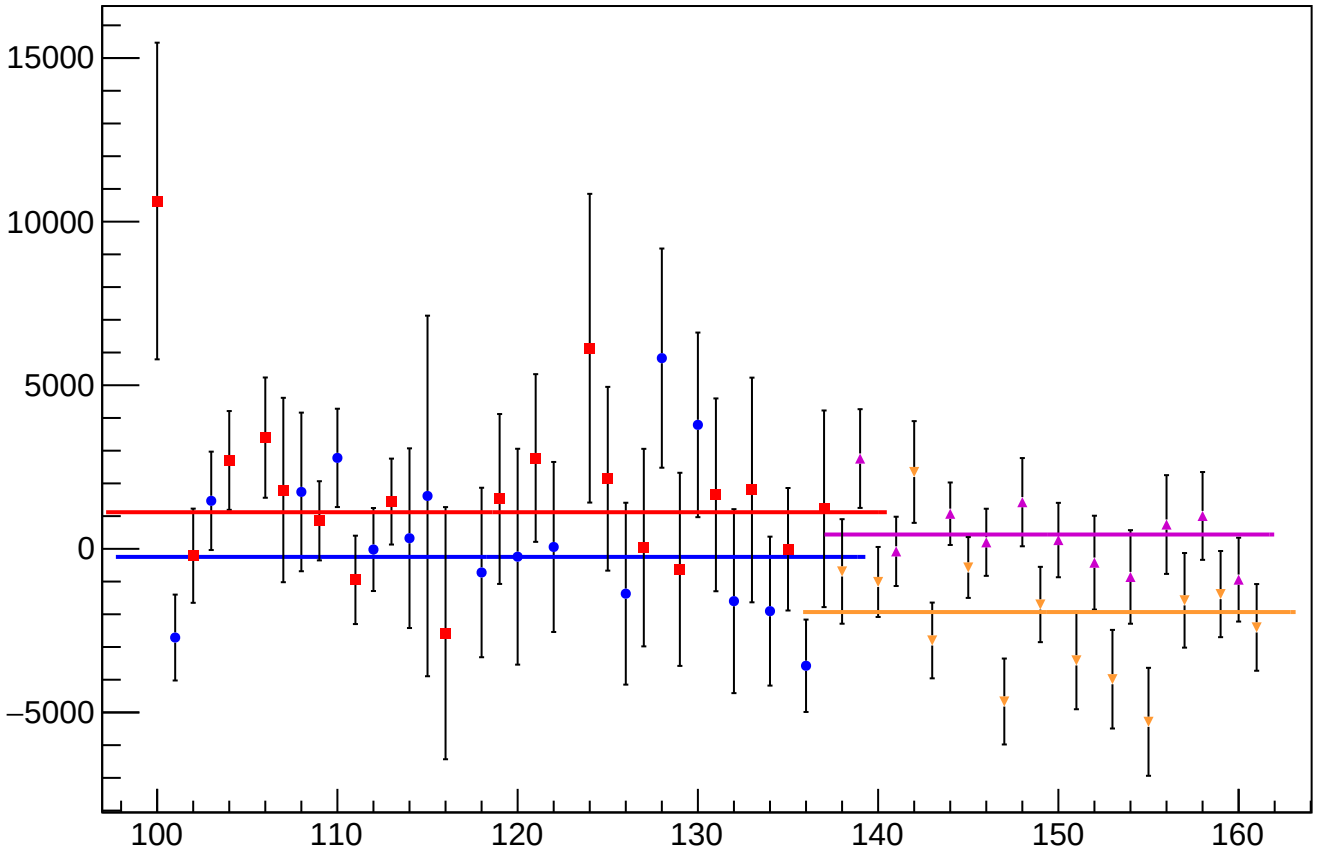
Left: 138.332+/-0.022 χ^2/NDF: 425801.3/23

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 136.402+/-0.024 χ^2/NDF:597684.5/26

Out: 136.398+/-0.023 χ^2/NDF:759472.2/31

All: 136.400+/-0.017 χ^2/NDF: 1357156.7/58



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1931.960+/-358.090 χ^2/NDF:23.3/12

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 437.974+/-370.625 χ^2/NDF:6.2/10

Left: -787.749+/-257.525 χ^2/NDF: 50.7/23

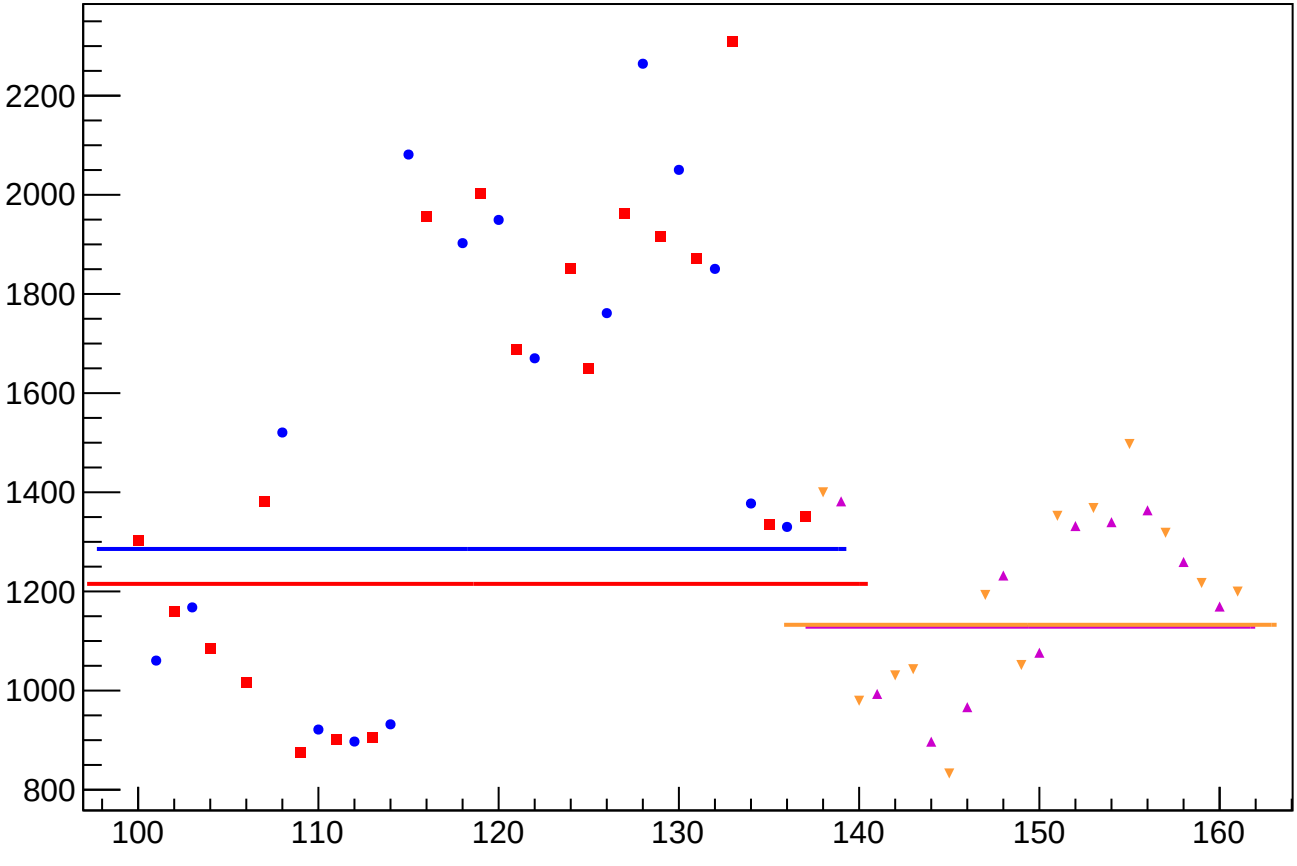
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 196.186+/-298.044 χ^2/NDF:29.0/26

Out: -806.403+/-284.480 χ^2/NDF:63.5/31

All: -328.440+/-205.786 χ^2/NDF: 98.5/58

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576013.9/12

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1128.861+/-0.262 χ^2/NDF:425858.3/10

Left: 1130.853+/-0.182 χ^2/NDF: 1001983.9/23

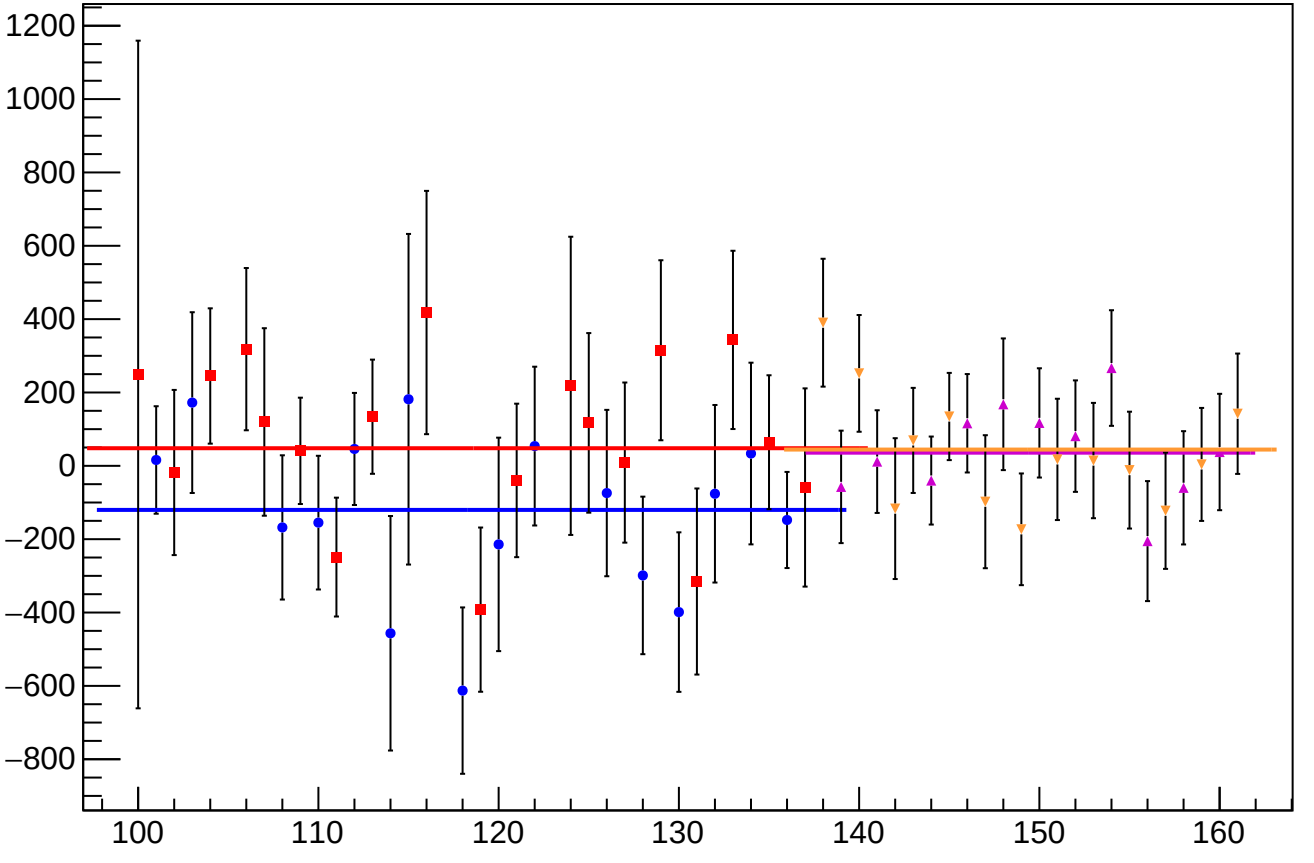
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1184.264+/-0.211 χ^2/NDF:1722786.1/26

Out: 1163.153+/-0.201 χ^2/NDF:2001486.6/31

All: 1173.217+/-0.146 χ^2/NDF: 3729523.6/58

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.363+/-43.522 χ^2/NDF:11.3/12

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 35.896+/-44.847 χ^2/NDF:6.8/10

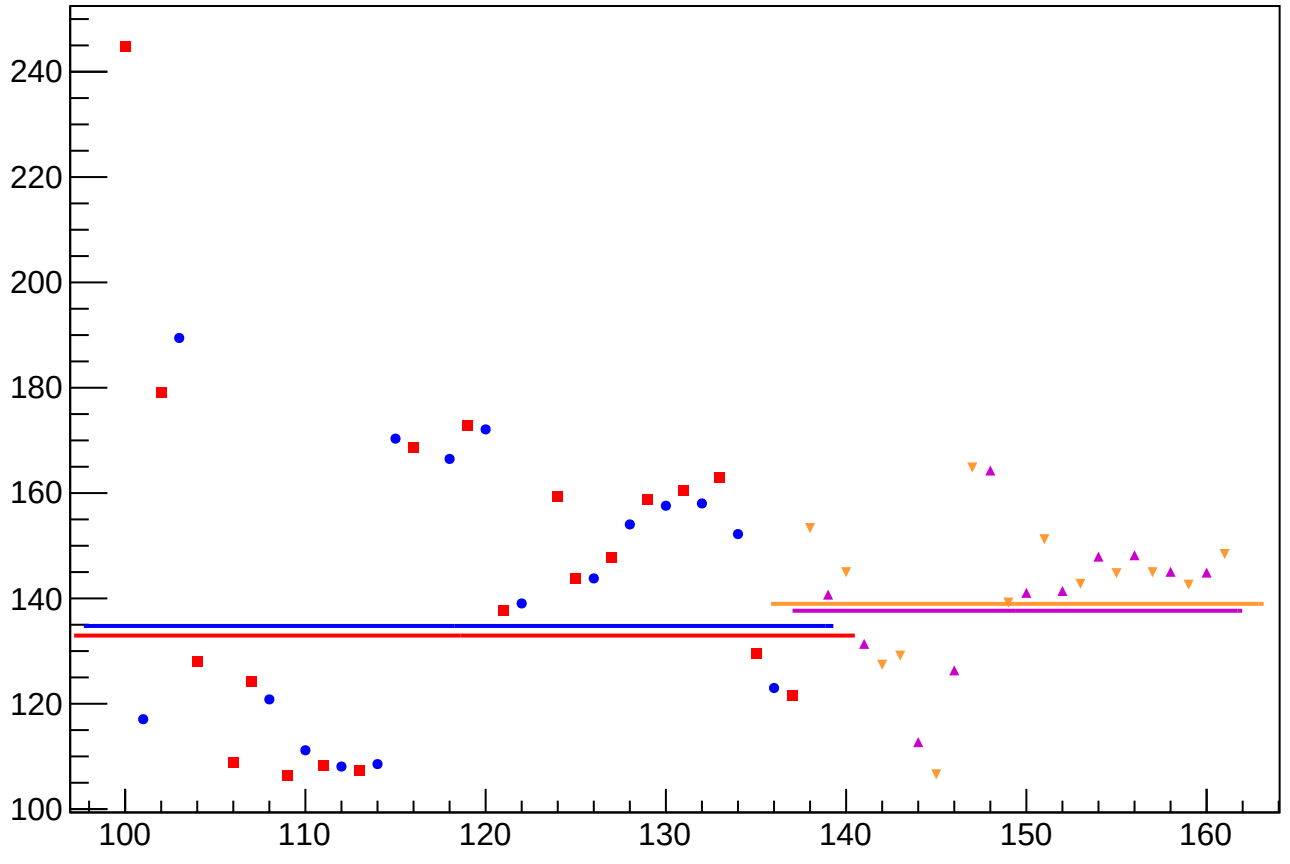
Left: 40.256+/-31.233 χ^2/NDF: 18.1/23

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -32.004+/-33.708 χ^2/NDF:25.5/26

Out: 45.939+/-32.805 χ^2/NDF:28.3/31

All: 8.026+/-23.509 χ^2/NDF: 56.5/58



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

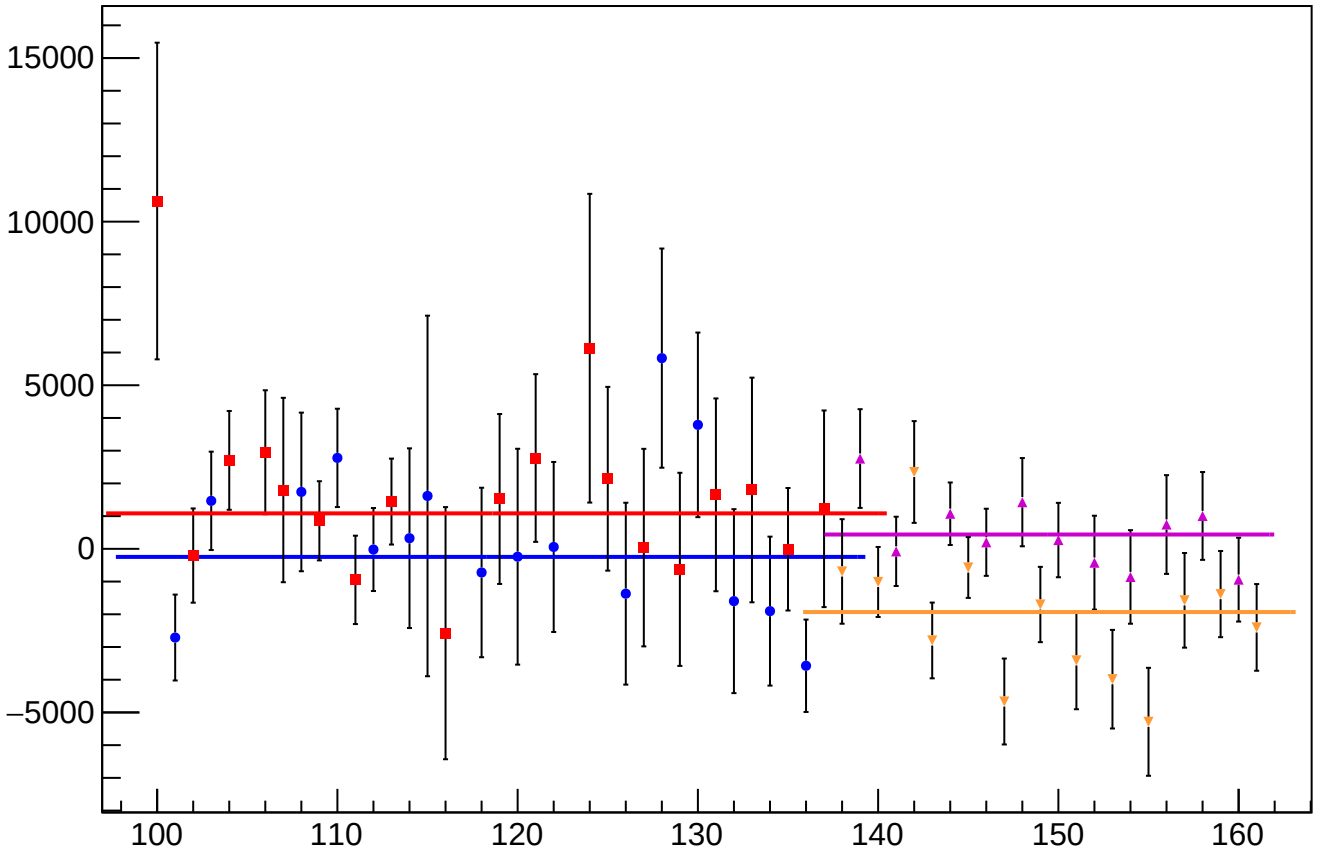
Left: 138.332+/-0.022 χ^2/NDF: 425801.4/23

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 136.402+/-0.024 χ^2/NDF:597687.5/26

Out: 136.367+/-0.023 χ^2/NDF:762997.4/31

All: 136.384+/-0.017 χ^2/NDF: 1360686.0/58



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1931.958+/-358.090 χ^2/NDF:23.3/12

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 437.986+/-370.625 χ^2/NDF:6.2/10

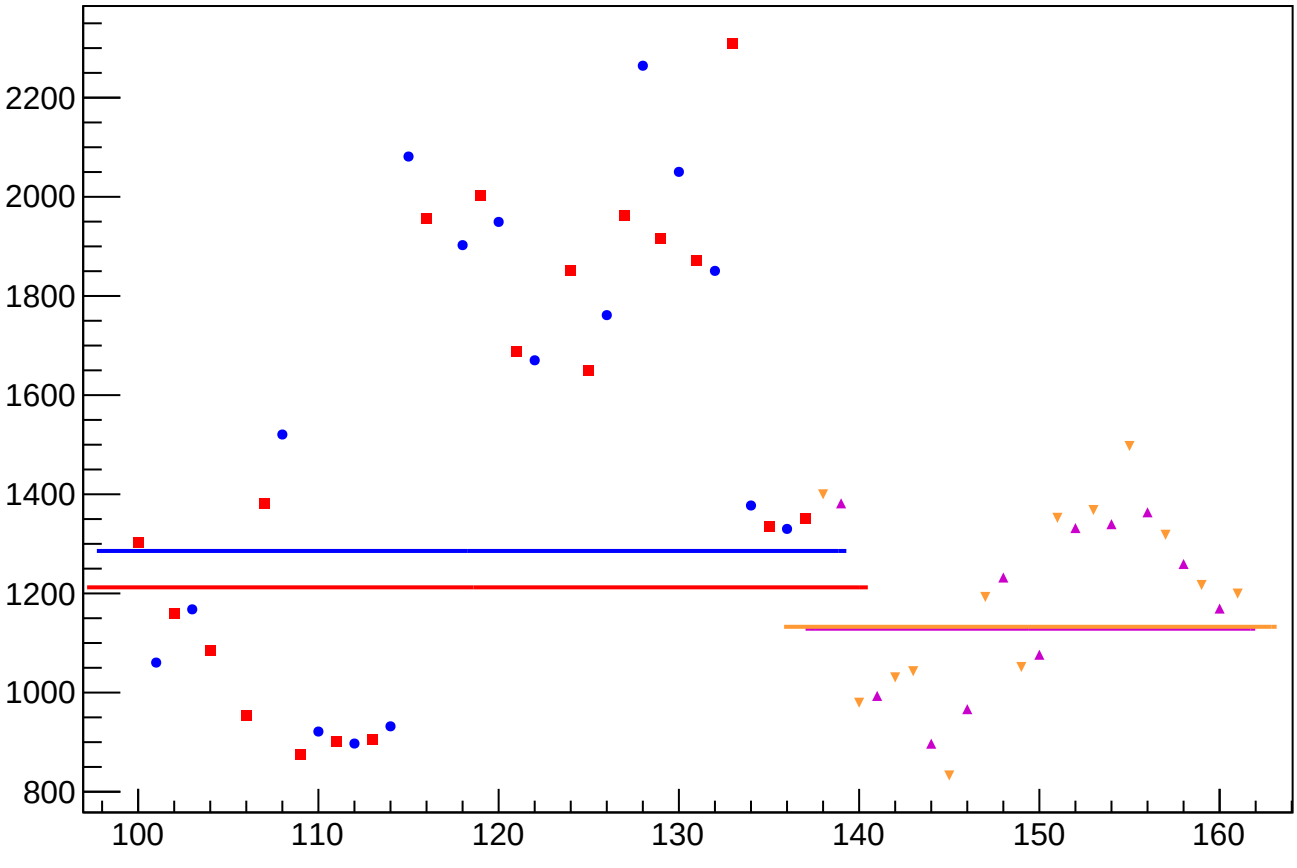
Left: -787.742+/-257.525 χ^2/NDF: 50.7/23

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.172+/-298.045 χ^2/NDF:29.0/26

Out: -822.198+/-284.687 χ^2/NDF:62.2/31

All: -336.345+/-205.864 χ^2/NDF: 97.4/58



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576016.7/12

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

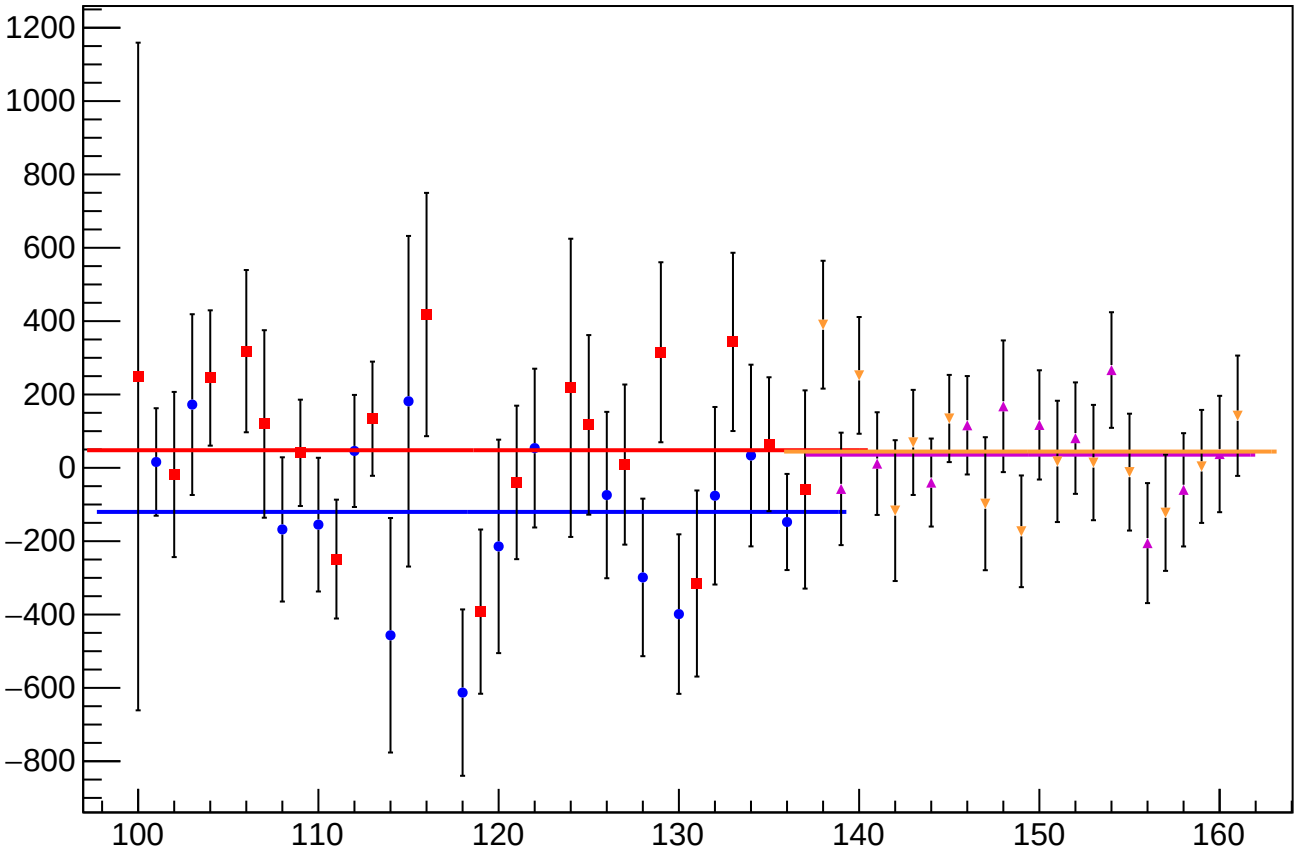
Left: 1130.853+/-0.182 χ^2/NDF: 1001984.0/23

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1184.268+/-0.211 χ^2/NDF:1722778.7/26

Out: 1161.987+/-0.201 χ^2/NDF:2012982.3/31

All: 1172.617+/-0.146 χ^2/NDF: 3741605.7/58



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.363+/-43.522 χ^2/NDF:11.3/12

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 35.896+/-44.847 χ^2/NDF:6.8/10

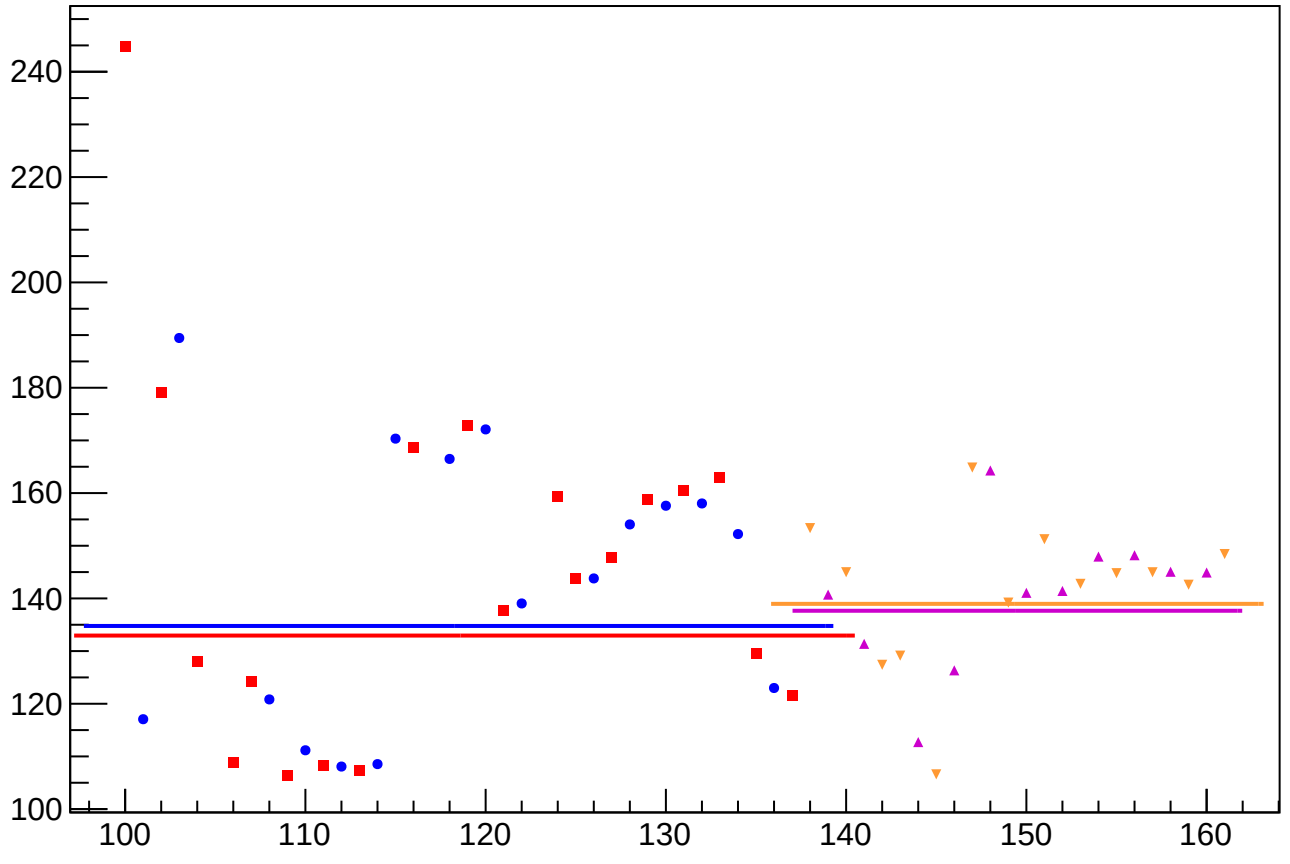
Left: 40.256+/-31.233 χ^2/NDF: 18.1/23

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -32.004+/-33.708 χ^2/NDF:25.5/26

Out: 45.939+/-32.805 χ^2/NDF:28.3/31

All: 8.026+/-23.509 χ^2/NDF: 56.5/58



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

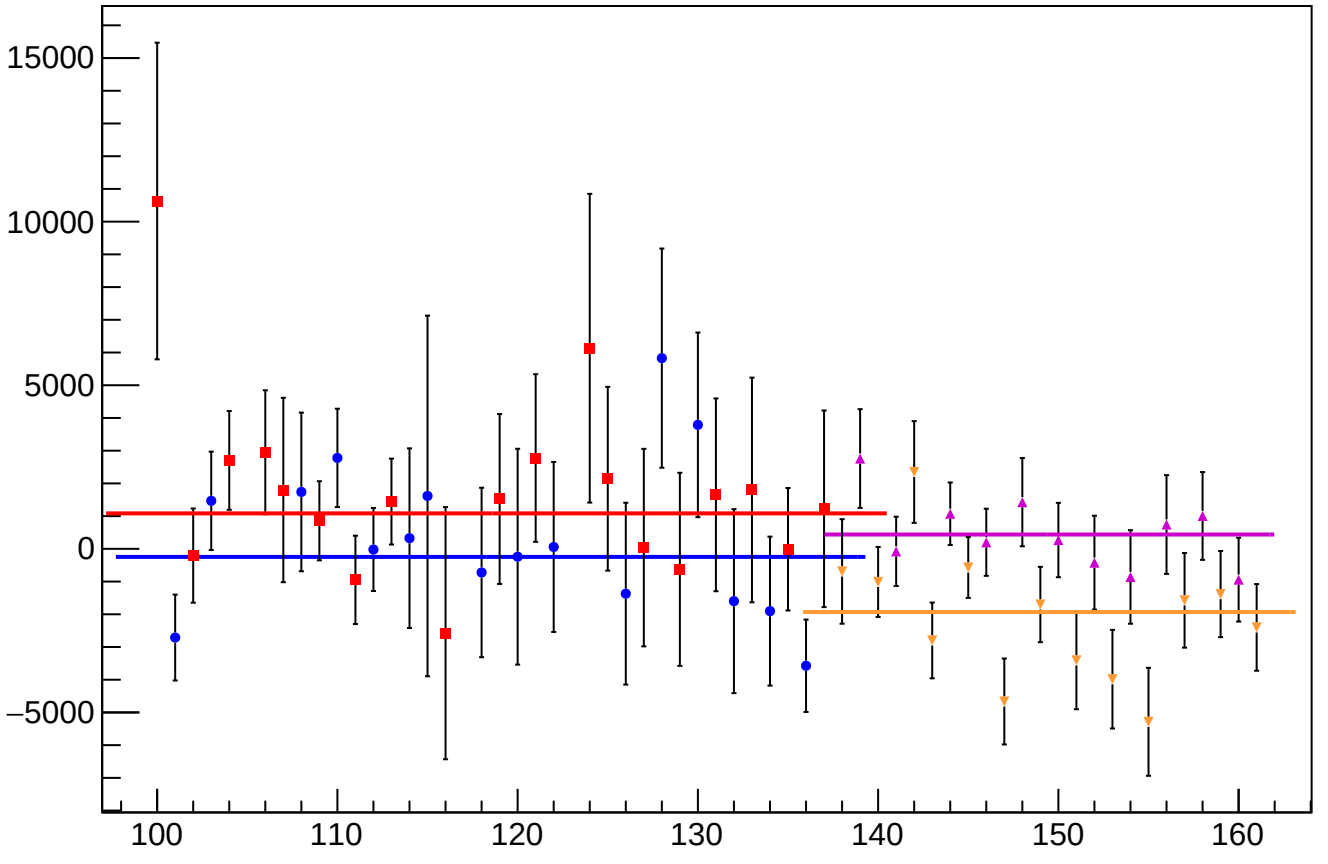
Left: 138.332+/-0.022 χ^2/NDF: 425801.4/23

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 136.402+/-0.024 χ^2/NDF:597687.5/26

Out: 136.367+/-0.023 χ^2/NDF:762997.4/31

All: 136.384+/-0.017 χ^2/NDF: 1360686.0/58



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1931.958+/-358.090 χ^2/NDF:23.3/12

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 437.986+/-370.625 χ^2/NDF:6.2/10

Left: -787.742+/-257.525 χ^2/NDF: 50.7/23

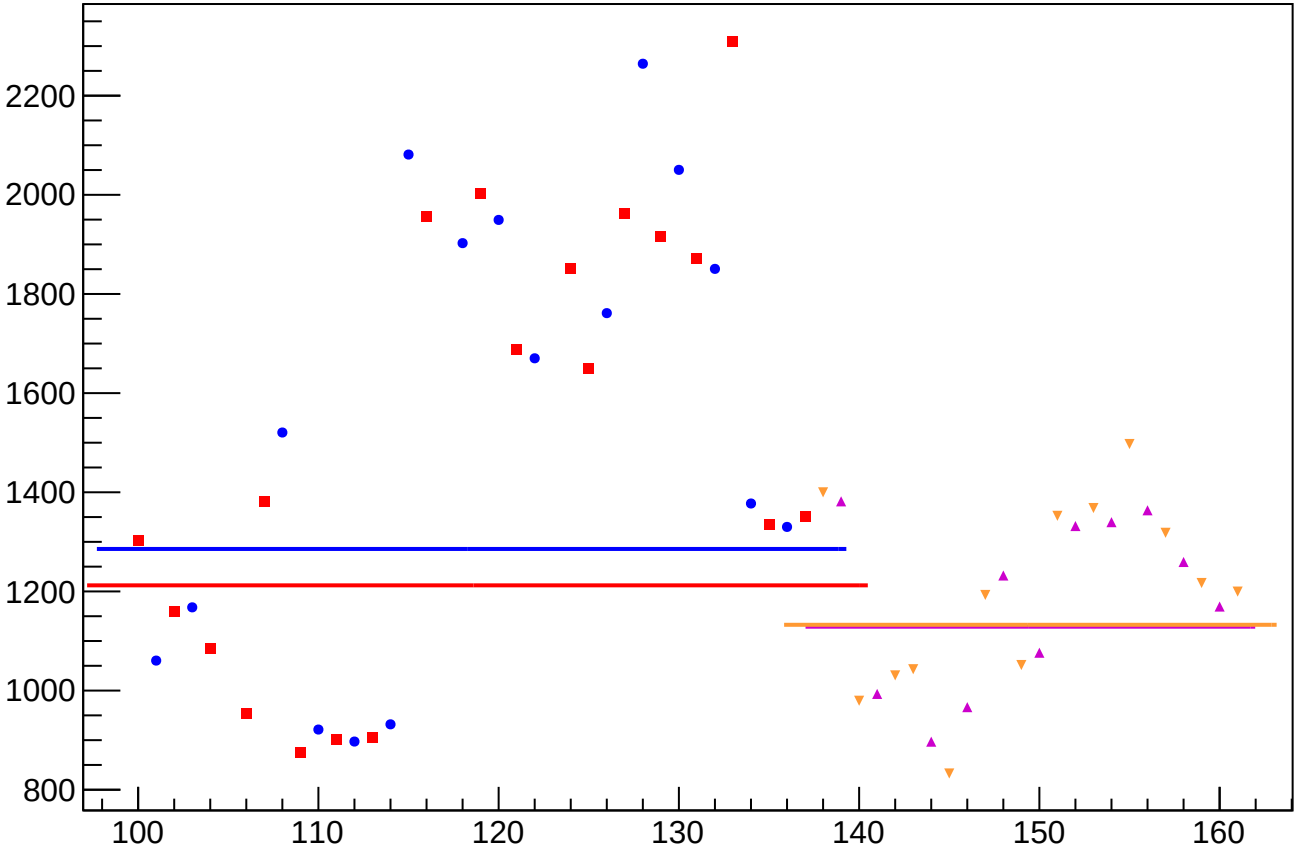
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.172+/-298.045 χ^2/NDF:29.0/26

Out: -822.198+/-284.687 χ^2/NDF:62.2/31

All: -336.345+/-205.864 χ^2/NDF: 97.4/58

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576016.7/12

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

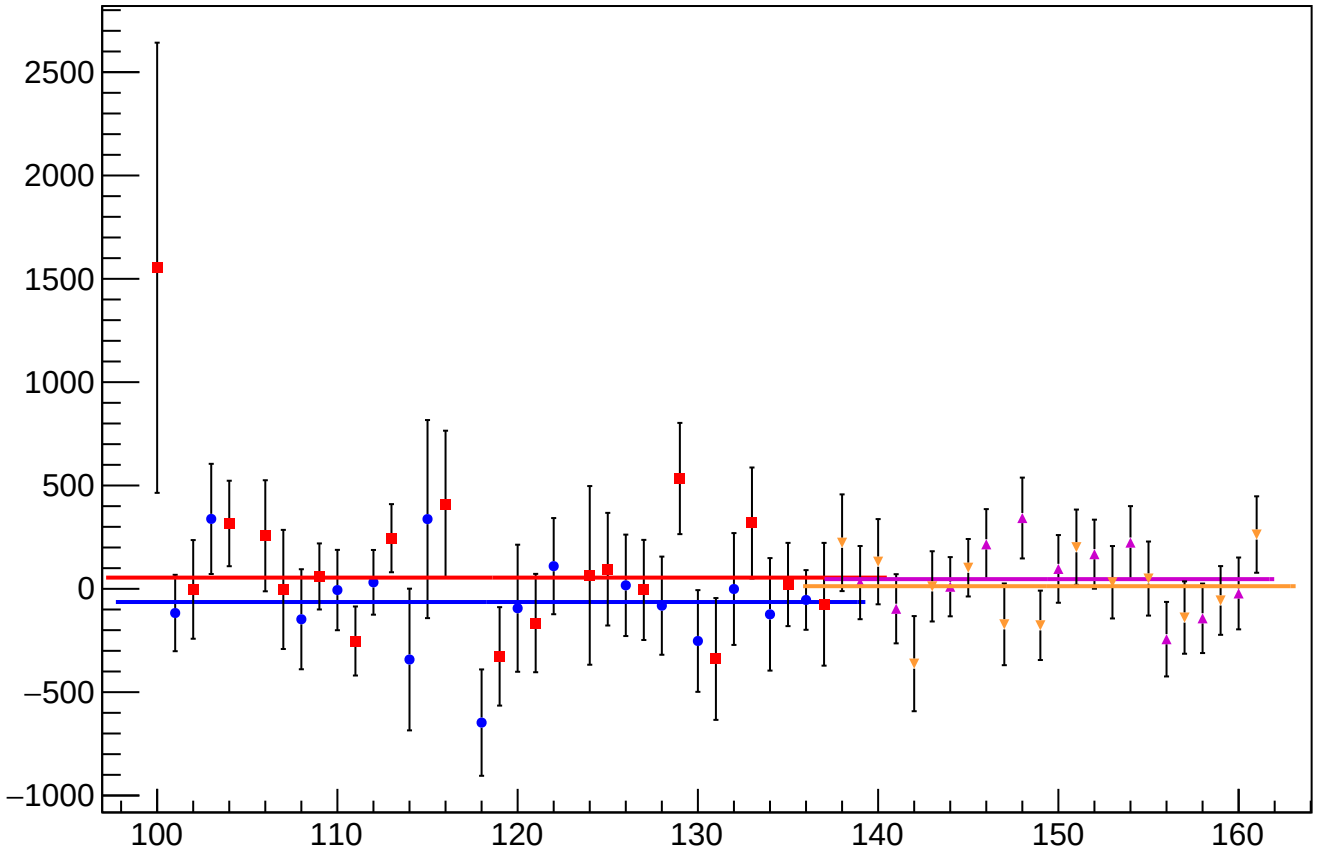
Left: 1130.853+/-0.182 χ^2/NDF: 1001984.0/23

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1184.268+/-0.211 χ^2/NDF:1722778.7/26

Out: 1161.987+/-0.201 χ^2/NDF:2012982.3/31

All: 1172.617+/-0.146 χ^2/NDF: 3741605.7/58



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 12.786+/-50.002 χ^2/NDF:10.2/12

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 46.965+/-51.201 χ^2/NDF:9.7/10

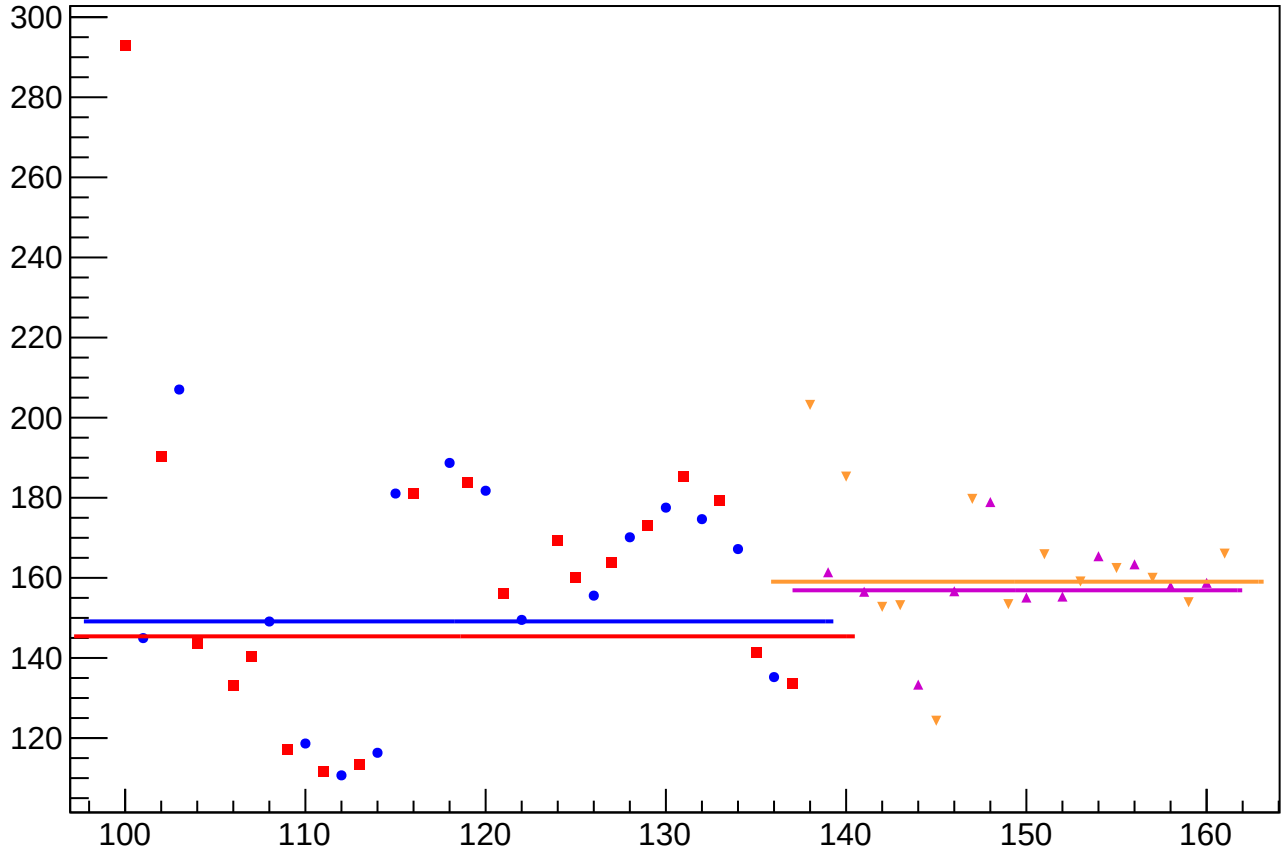
Left: 29.470+/-35.773 χ^2/NDF: 20.2/23

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -2.747+/-38.011 χ^2/NDF:22.6/26

Out: 31.670+/-36.919 χ^2/NDF:30.0/31

All: 14.963+/-26.483 χ^2/NDF: 53.1/58



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.046+/-0.035 χ^2/NDF:264564.6/12

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 156.892+/-0.036 χ^2/NDF:88721.4/10

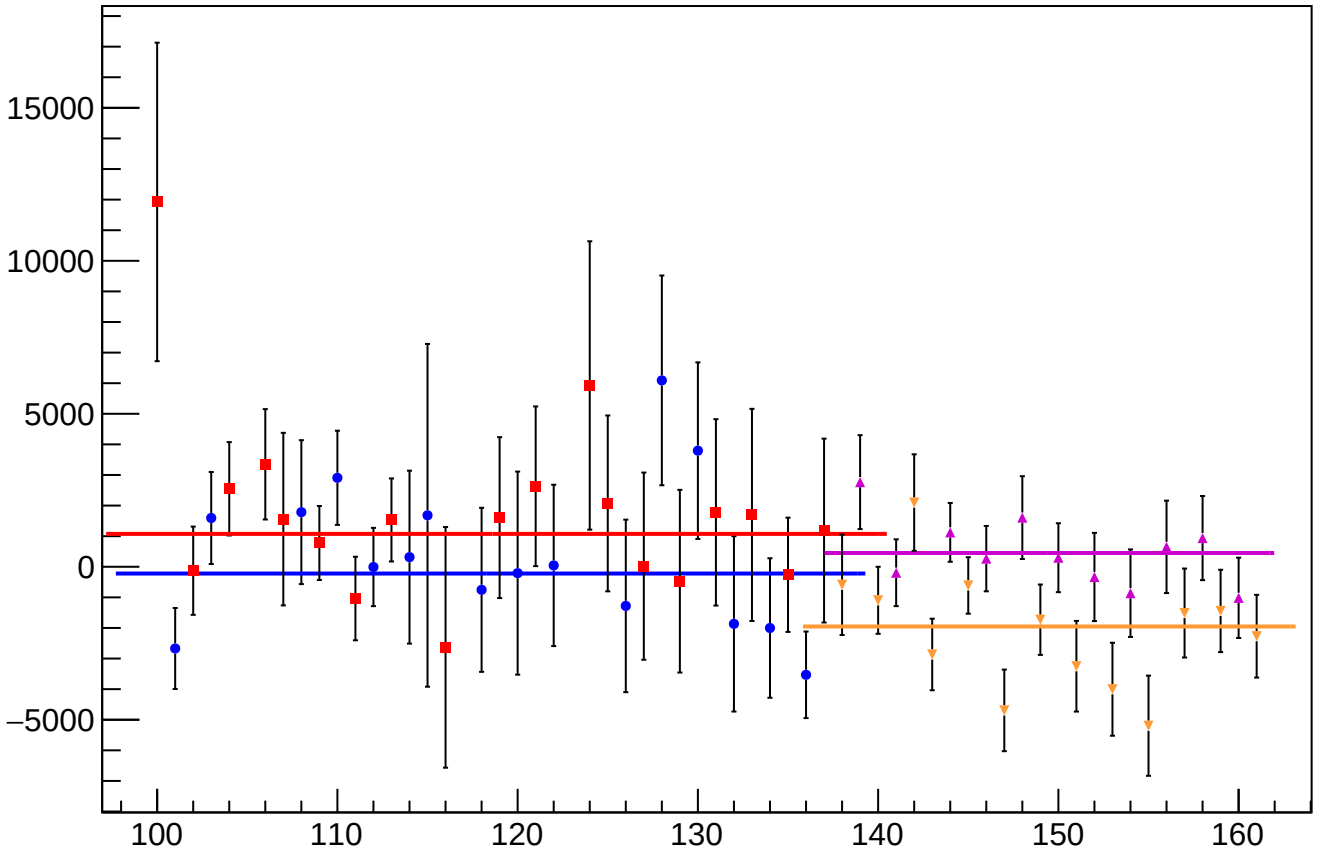
Left: 157.994+/-0.025 χ^2/NDF: 355098.6/23

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 153.408+/-0.027 χ^2/NDF:560353.3/26

Out: 152.839+/-0.026 χ^2/NDF:858145.6/31

All: 153.115+/-0.019 χ^2/NDF: 1418729.3/58



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1951.887+/-361.210 χ^2/NDF:21.7/12

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 449.804+/-375.981 χ^2/NDF:6.4/10

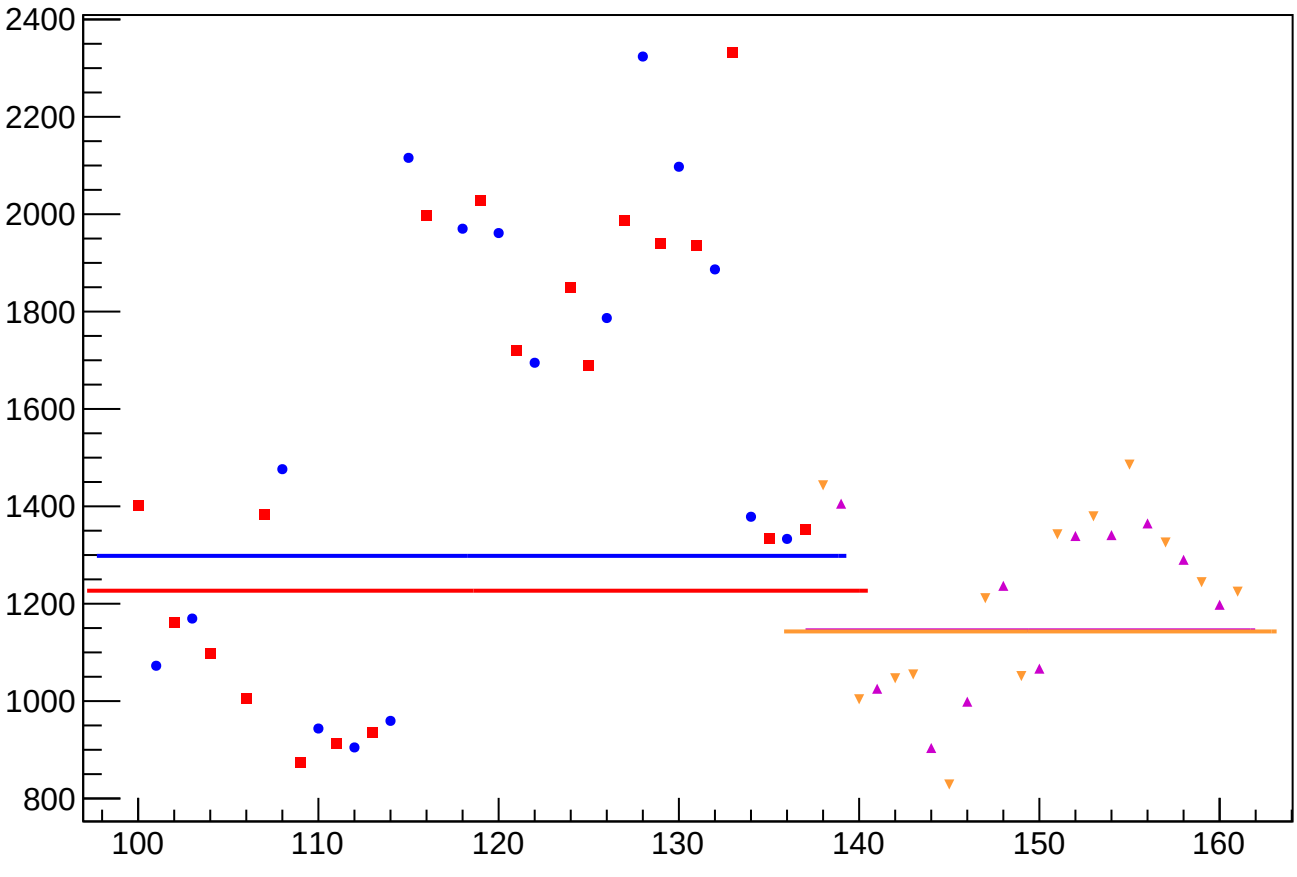
Left: -799.144+/-260.480 χ^2/NDF: 49.3/23

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 211.224+/-301.832 χ^2/NDF:29.4/26

Out: -836.573+/-287.034 χ^2/NDF:61.2/31

All: -338.988+/-207.998 χ^2/NDF: 96.9/58



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1143.068+/-0.255 χ^2/NDF:590495.6/12

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1145.364+/-0.266 χ^2/NDF:405690.1/10

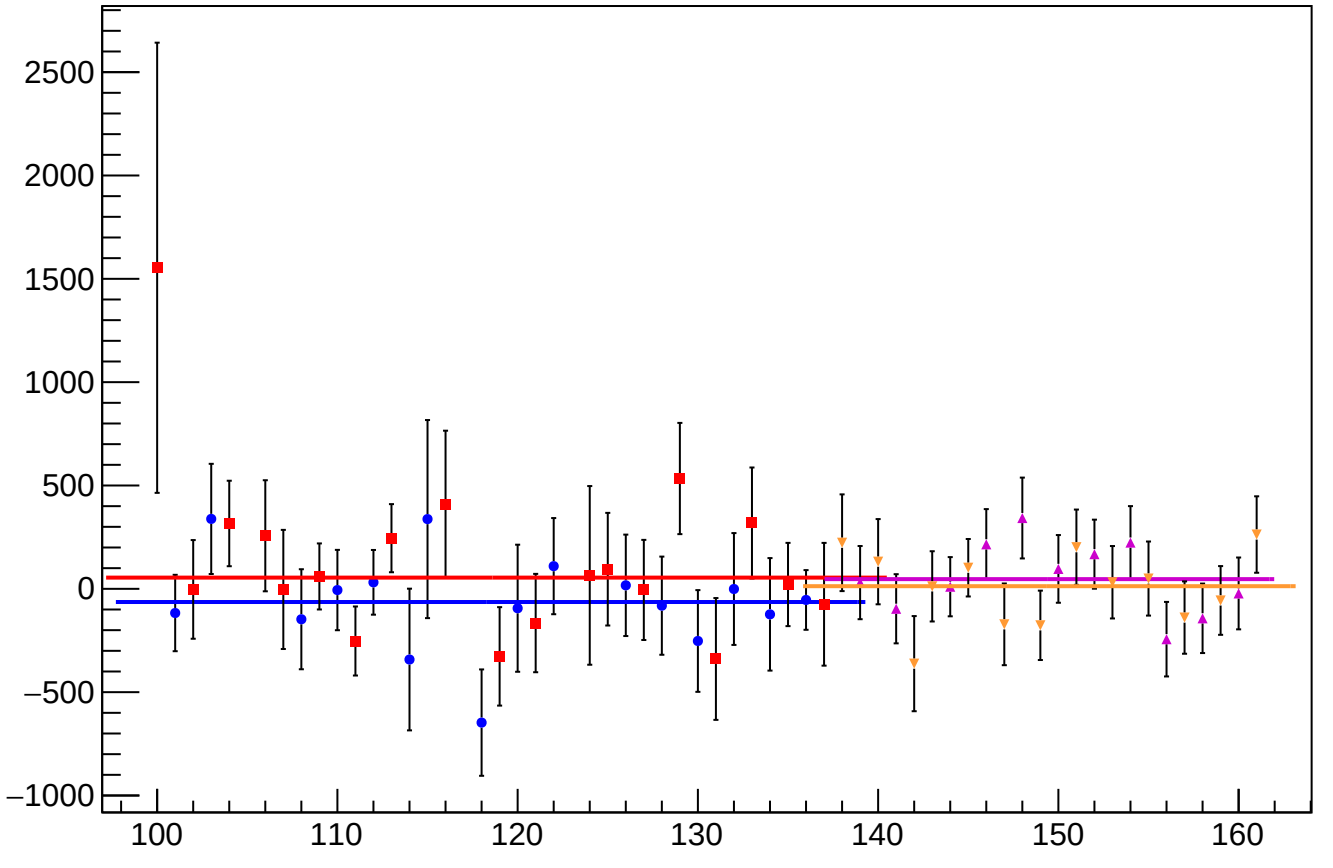
Left: 1144.170+/-0.184 χ^2/NDF: 996224.5/23

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1199.736+/-0.213 χ^2/NDF:1705454.5/26

Out: 1173.900+/-0.203 χ^2/NDF:2034557.3/31

All: 1186.169+/-0.147 χ^2/NDF: 3747706.8/58



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 12.789+/-50.002 χ^2/NDF:10.2/12

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 46.965+/-51.202 χ^2/NDF:9.7/10

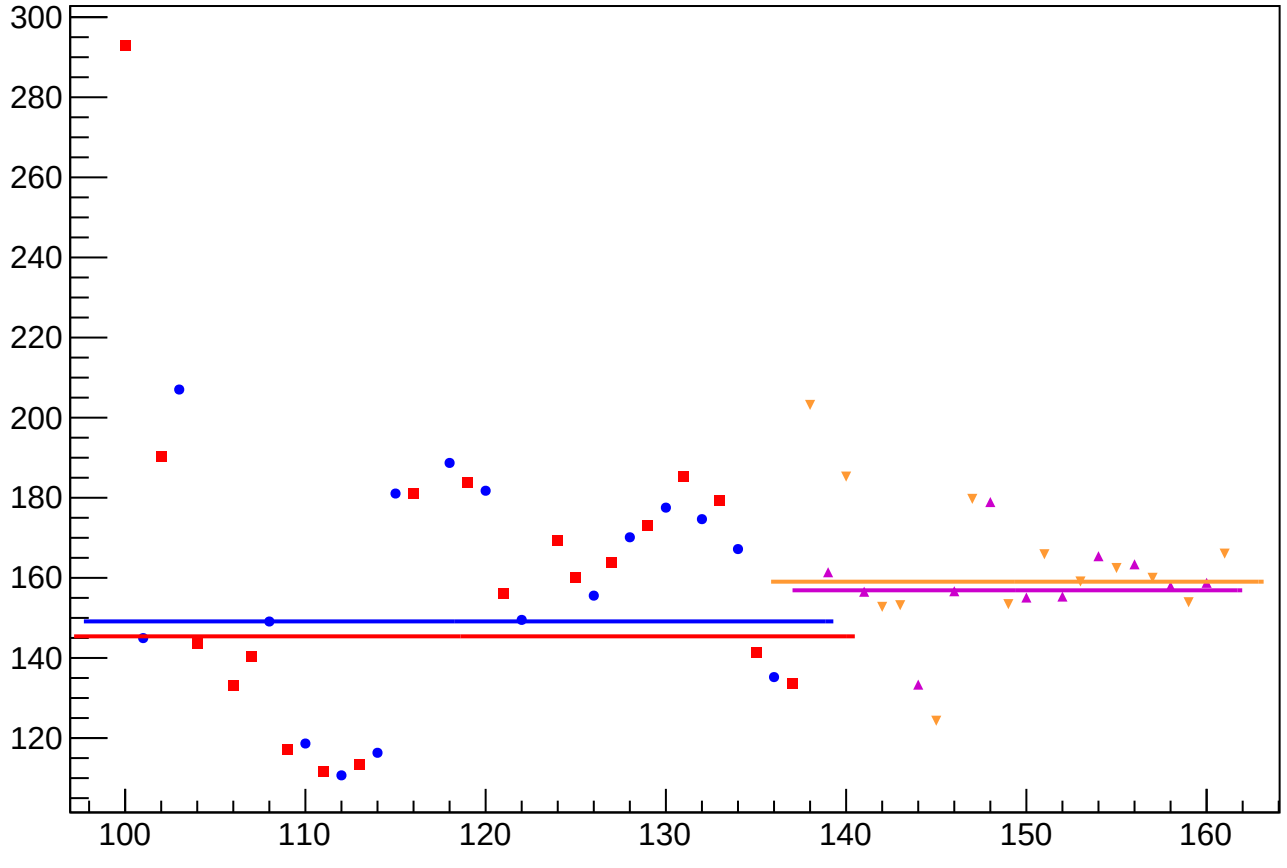
Left: 29.472+/-35.773 χ^2/NDF: 20.2/23

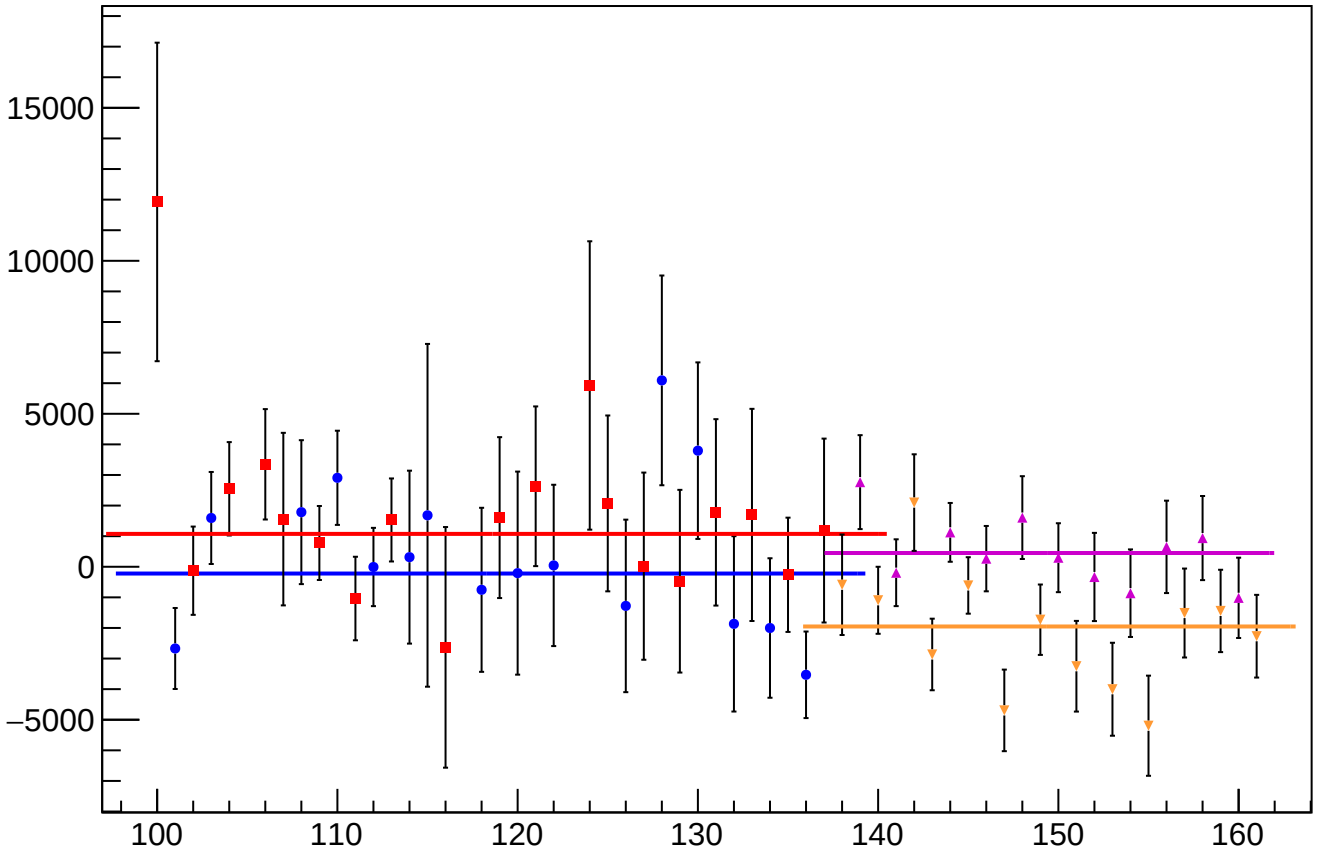
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -2.746+/-38.011 χ^2/NDF:22.6/26

Out: 31.671+/-36.919 χ^2/NDF:30.0/31

All: 14.964+/-26.483 χ^2/NDF: 53.1/58


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 159.046+/-0.035 χ²/NDF:264558.5/12
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 156.892+/-0.036 χ²/NDF:88719.8/10
Left: 157.995+/-0.025 χ²/NDF: 355091.0/23
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 153.408+/-0.027 χ²/NDF:560355.1/26
Out: 152.839+/-0.026 χ²/NDF:858146.0/31
All: 153.115+/-0.019 χ²/NDF: 1418731.5/58



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1951.884+/-361.210 χ^2/NDF:21.7/12

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 449.803+/-375.981 χ^2/NDF:6.4/10

Left: -799.143+/-260.479 χ^2/NDF: 49.3/23

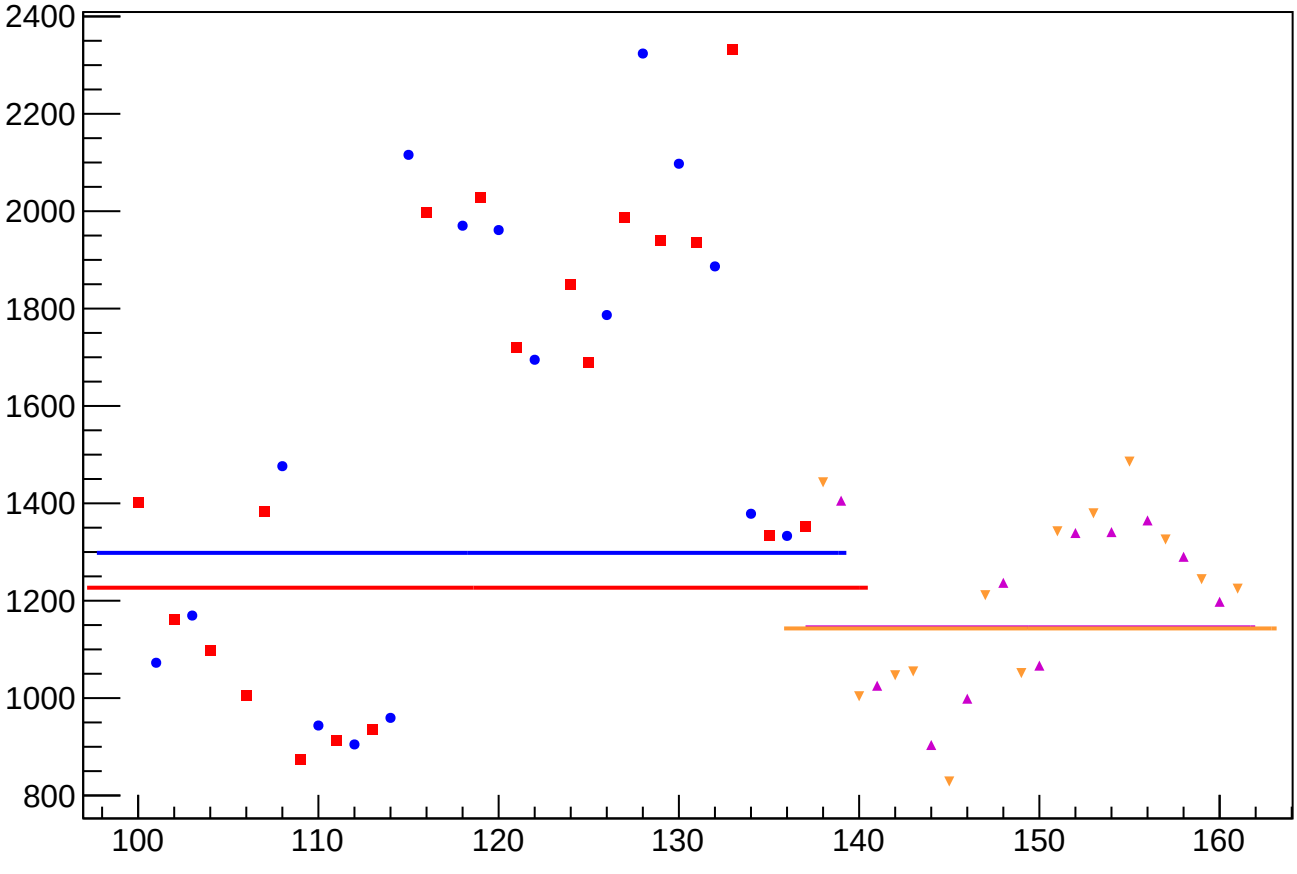
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 211.223+/-301.832 χ^2/NDF:29.4/26

Out: -836.572+/-287.034 χ^2/NDF:61.2/31

All: -338.988+/-207.998 χ^2/NDF: 96.9/58

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: 1143.066+/-0.255 χ^2/NDF:590498.1/12

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1145.363+/-0.266 χ^2/NDF:405688.6/10

Left: 1144.169+/-0.184 χ^2/NDF: 996225.6/23

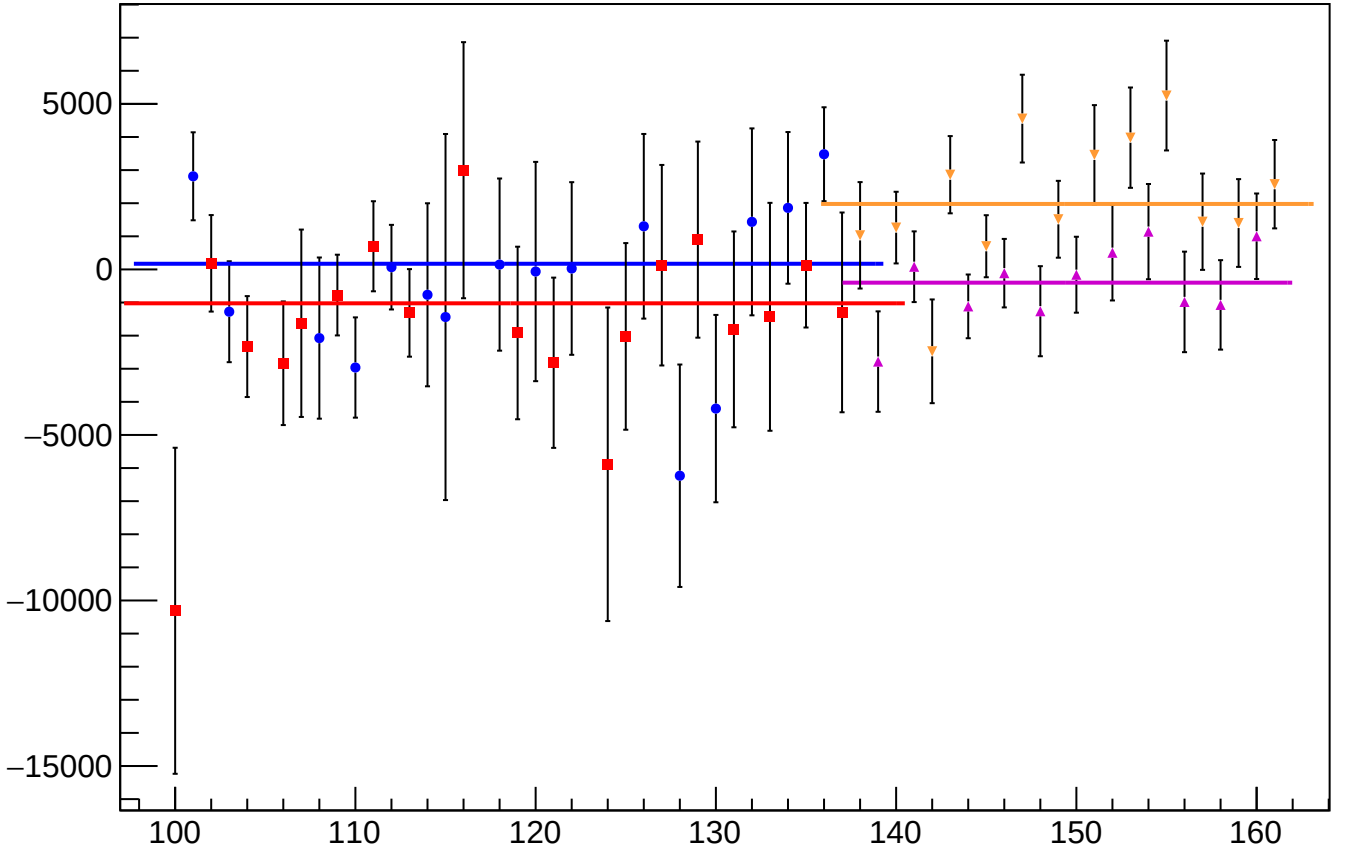
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1199.735+/-0.213 χ^2/NDF:1705456.9/26

Out: 1173.898+/-0.203 χ^2/NDF:2034563.1/31

All: 1186.168+/-0.147 χ^2/NDF: 3747715.2/58

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1977.783+/-360.912 χ^2/NDF:22.4/12

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -400.173+/-373.465 χ^2/NDF:6.9/10

Left: 829.442+/-259.528 χ^2/NDF: 50.2/23

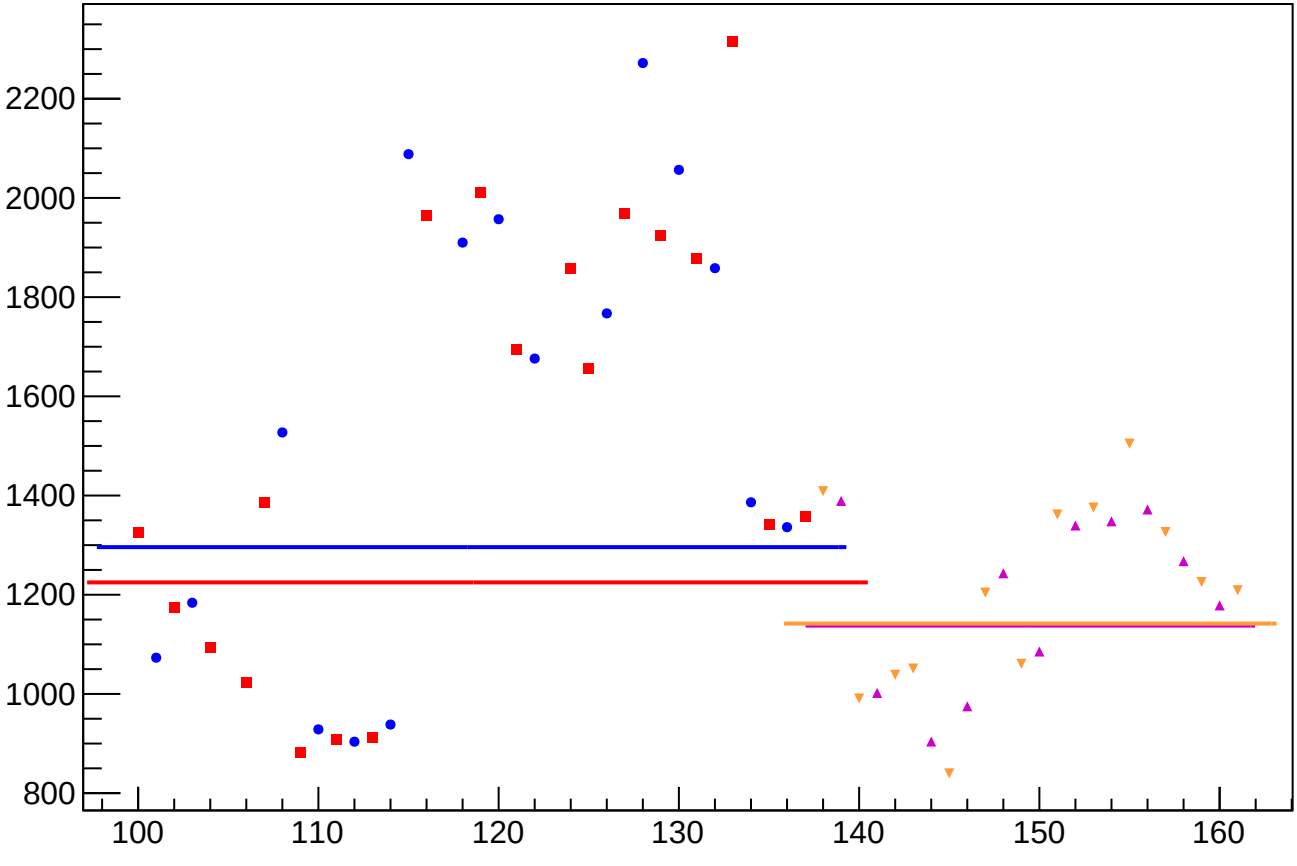
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -198.285+/-300.302 χ^2/NDF:30.3/26

Out: 870.388+/-286.704 χ^2/NDF:59.4/31

All: 360.795+/-207.371 χ^2/NDF: 96.3/58

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1141.914+/-0.255 χ^2/NDF:568476.7/12

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1137.726+/-0.264 χ^2/NDF:420523.9/10

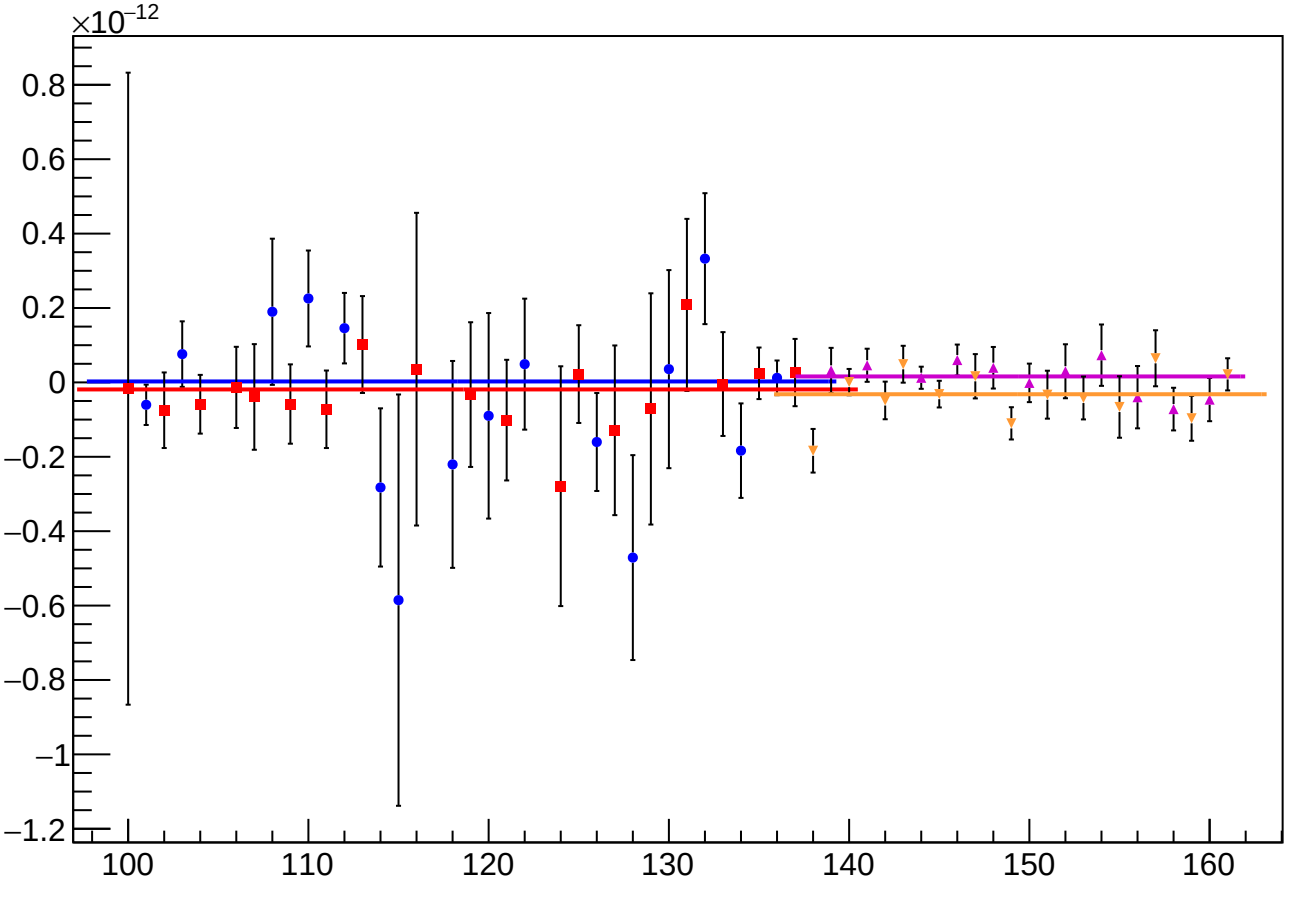
Left: 1139.892+/-0.184 χ^2/NDF: 989130.6/23

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1193.660+/-0.212 χ^2/NDF:1701643.5/26

Out: 1172.521+/-0.203 χ^2/NDF:1978748.1/31

All: 1182.601+/-0.147 χ^2/NDF: 3685576.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

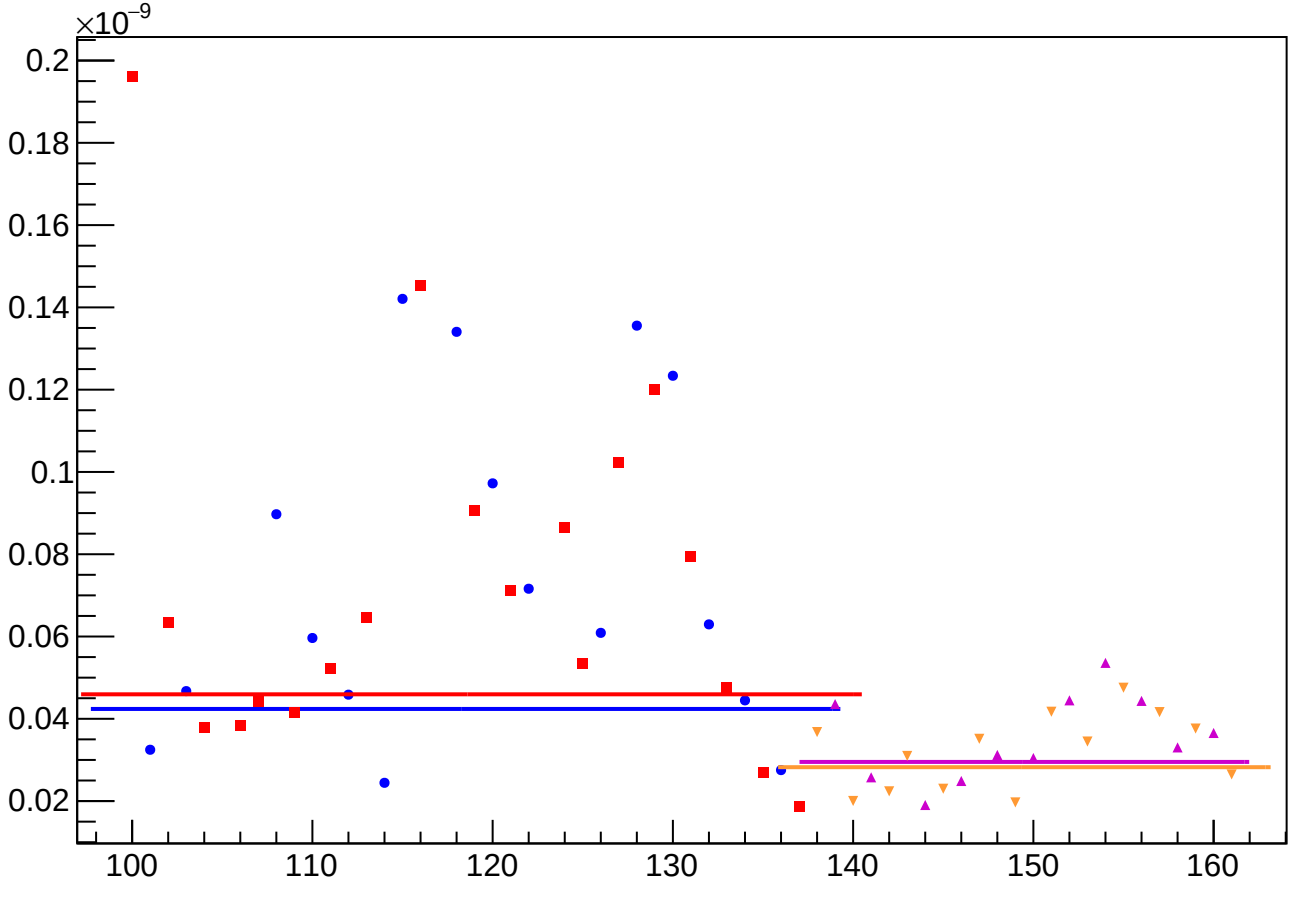
Left: -0.000+/-0.000 χ^2/NDF: 30.5/23

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:28.8/26

Out: -0.000+/-0.000 χ^2/NDF:23.7/31

All: -0.000+/-0.000 χ^2/NDF: 57.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:665722.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:751739.9/10

Left: 0.000+/-0.000 χ^2/NDF: 1425121.3/23

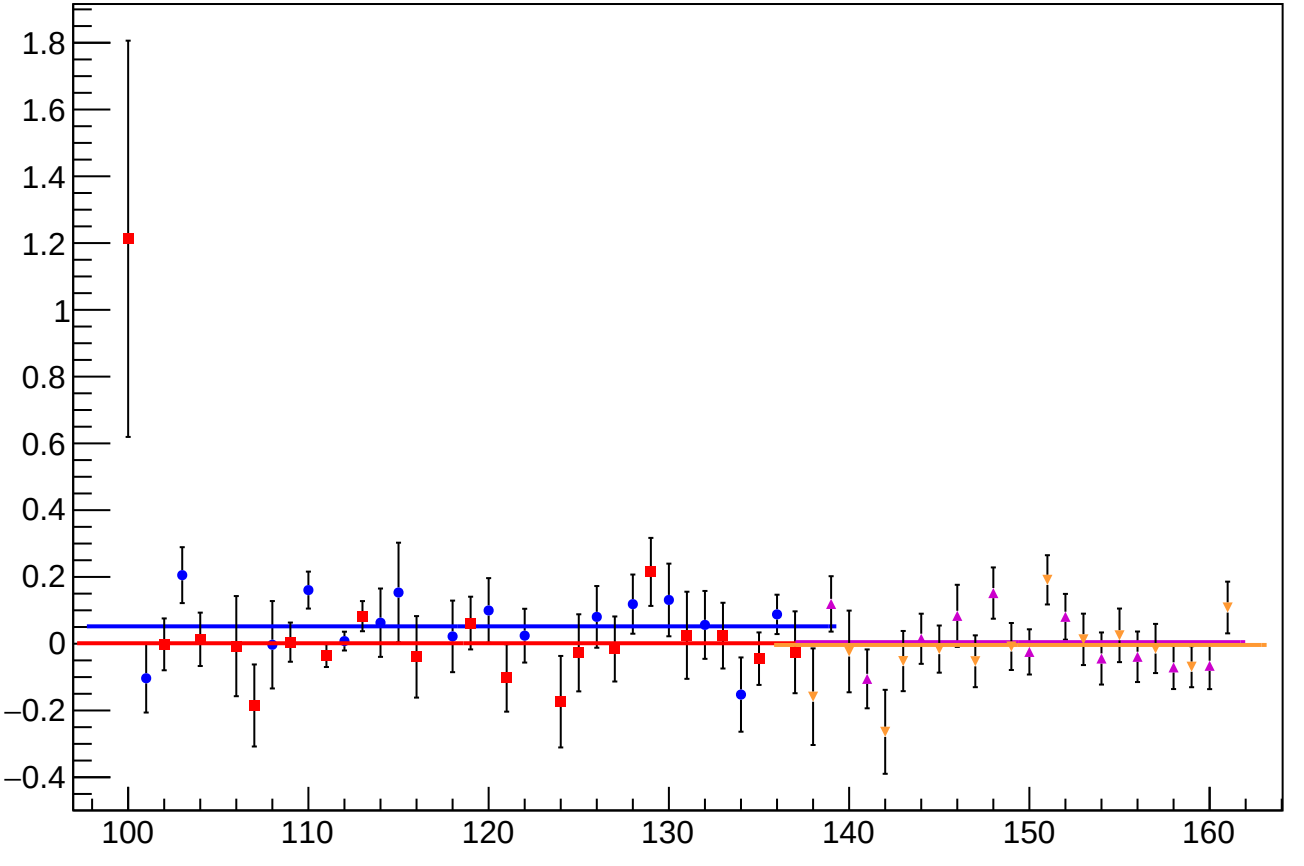
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2440391.9/26

Out: 0.000+/-0.000 χ^2/NDF:2394805.8/31

All: 0.000+/-0.000 χ^2/NDF: 4842523.9/58

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: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.005+/-0.023 χ^2/NDF:12.4/10

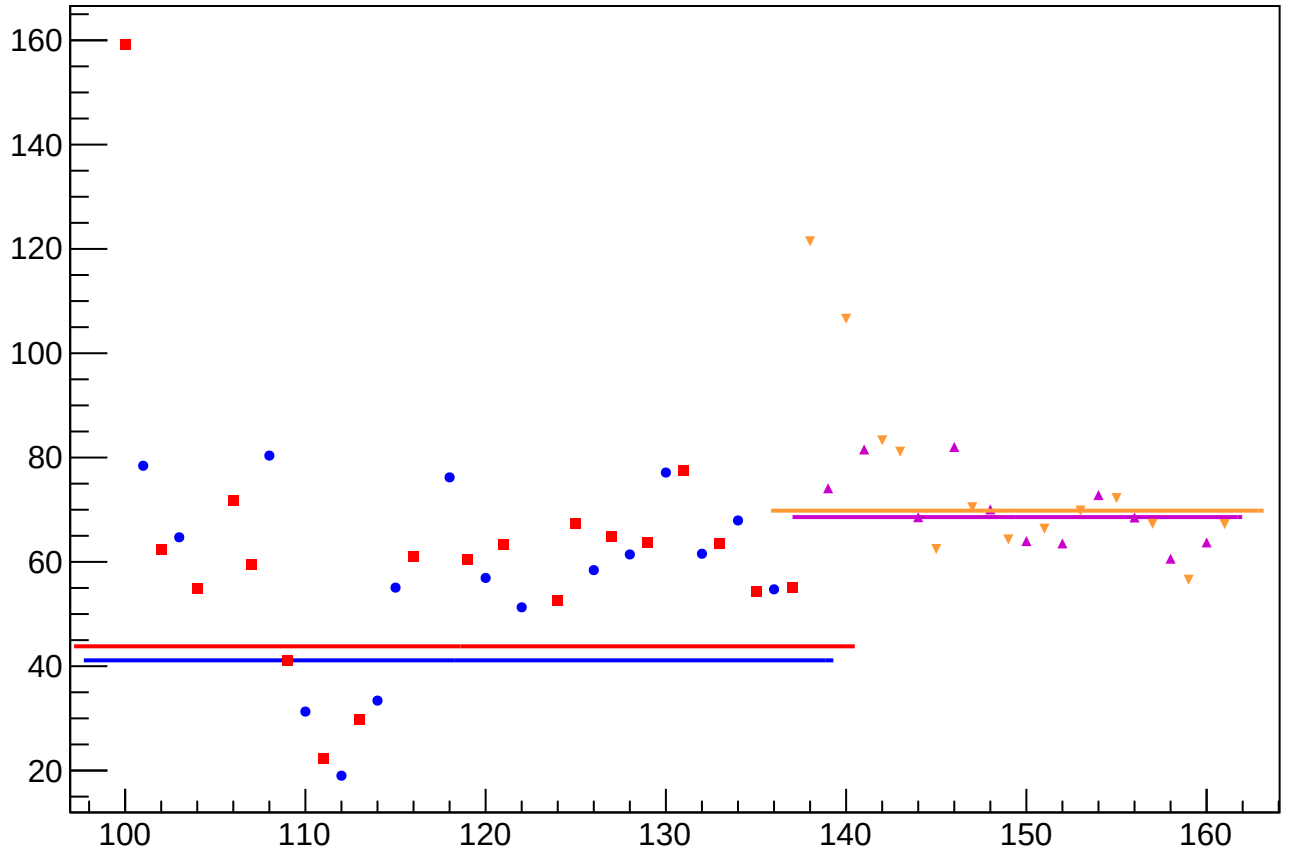
Left: 0.000+/-0.016 χ^2/NDF: 29.0/23

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.001+/-0.014 χ^2/NDF:35.9/31

All: 0.017+/-0.010 χ^2/NDF: 72.0/58



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.826+/-0.016 χ^2/NDF:627969.7/12

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

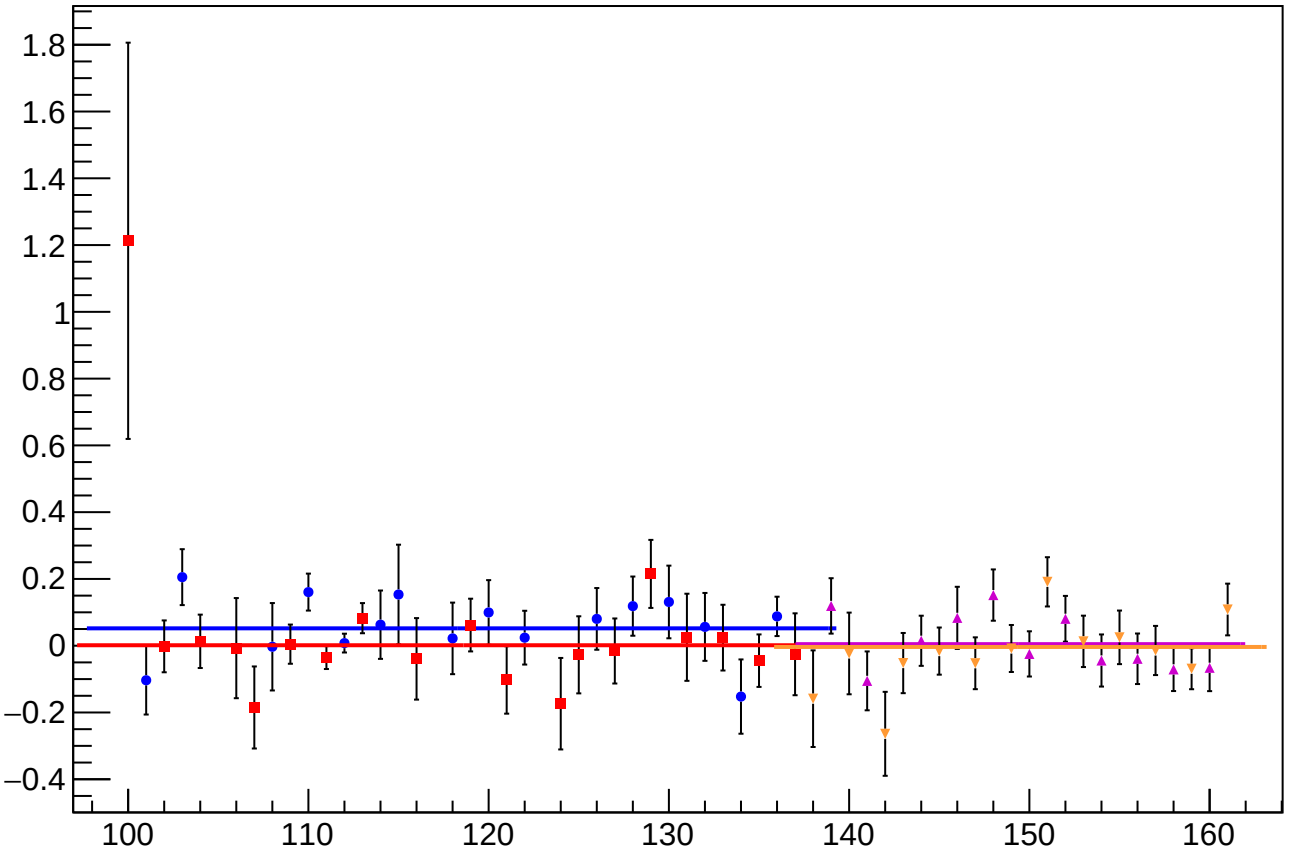
Left: 69.214+/-0.011 χ^2/NDF: 791357.3/23

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.581+/-0.010 χ^2/NDF:4905223.1/26

Out: 53.971+/-0.010 χ^2/NDF:4320613.9/31

All: 52.775+/-0.007 χ^2/NDF: 9255009.0/58



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.005+/-0.023 χ^2/NDF:12.4/10

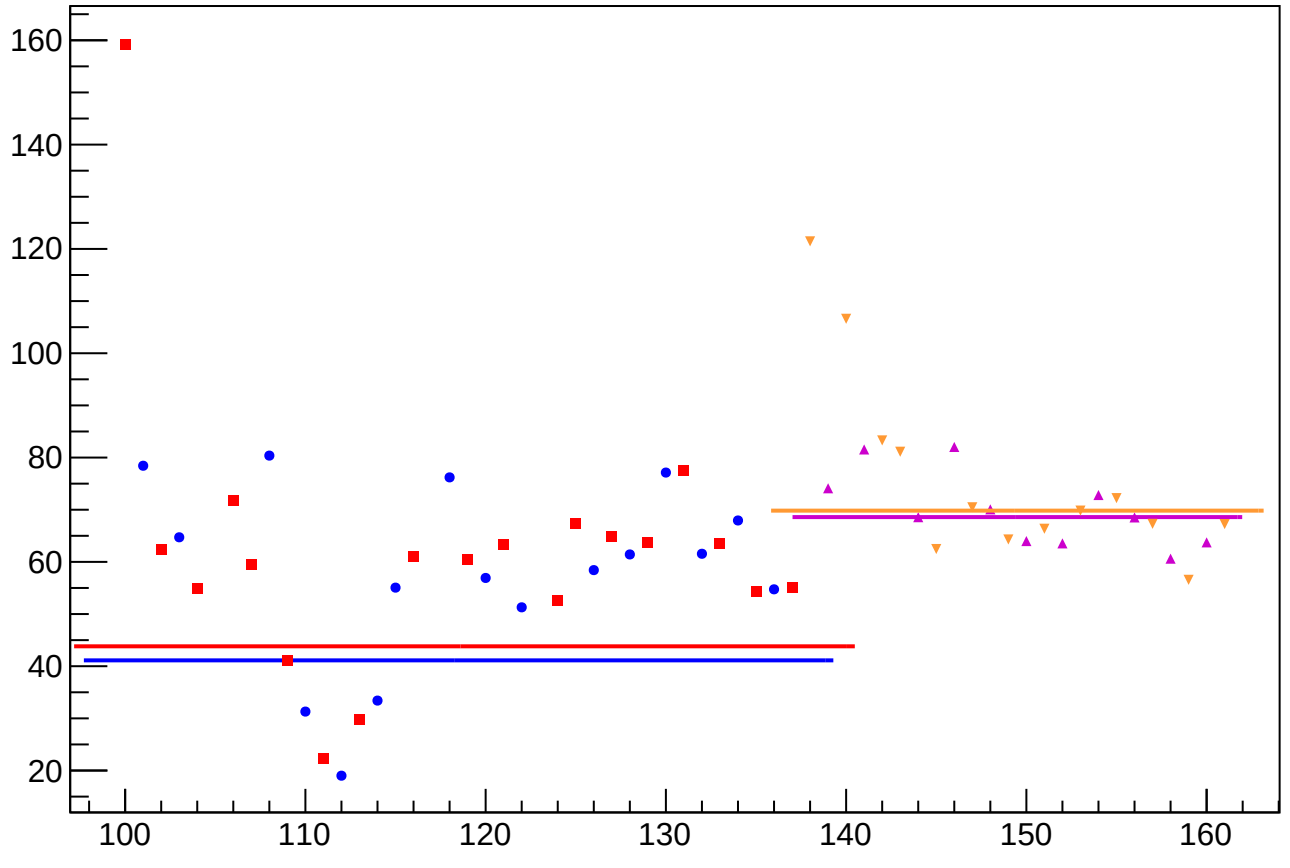
Left: 0.000+/-0.016 χ^2/NDF: 29.0/23

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.001+/-0.014 χ^2/NDF:35.9/31

All: 0.017+/-0.010 χ^2/NDF: 72.0/58



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.826+/-0.016 χ^2/NDF:627969.7/12

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

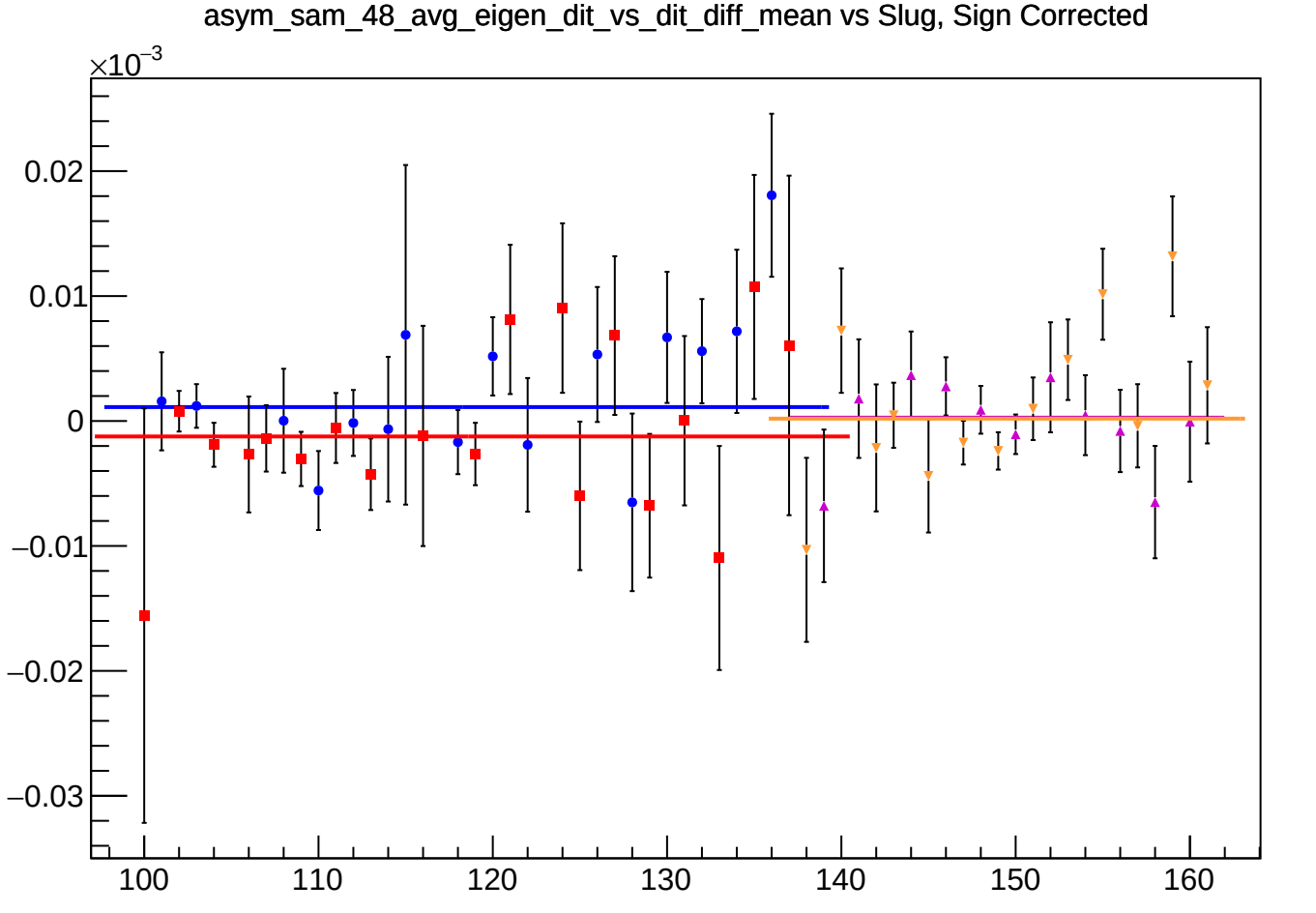
Left: 69.214+/-0.011 χ^2/NDF: 791357.3/23

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 51.581+/-0.010 χ^2/NDF:4905223.1/26

Out: 53.971+/-0.010 χ^2/NDF:4320613.9/31

All: 52.775+/-0.007 χ^2/NDF: 9255009.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/10

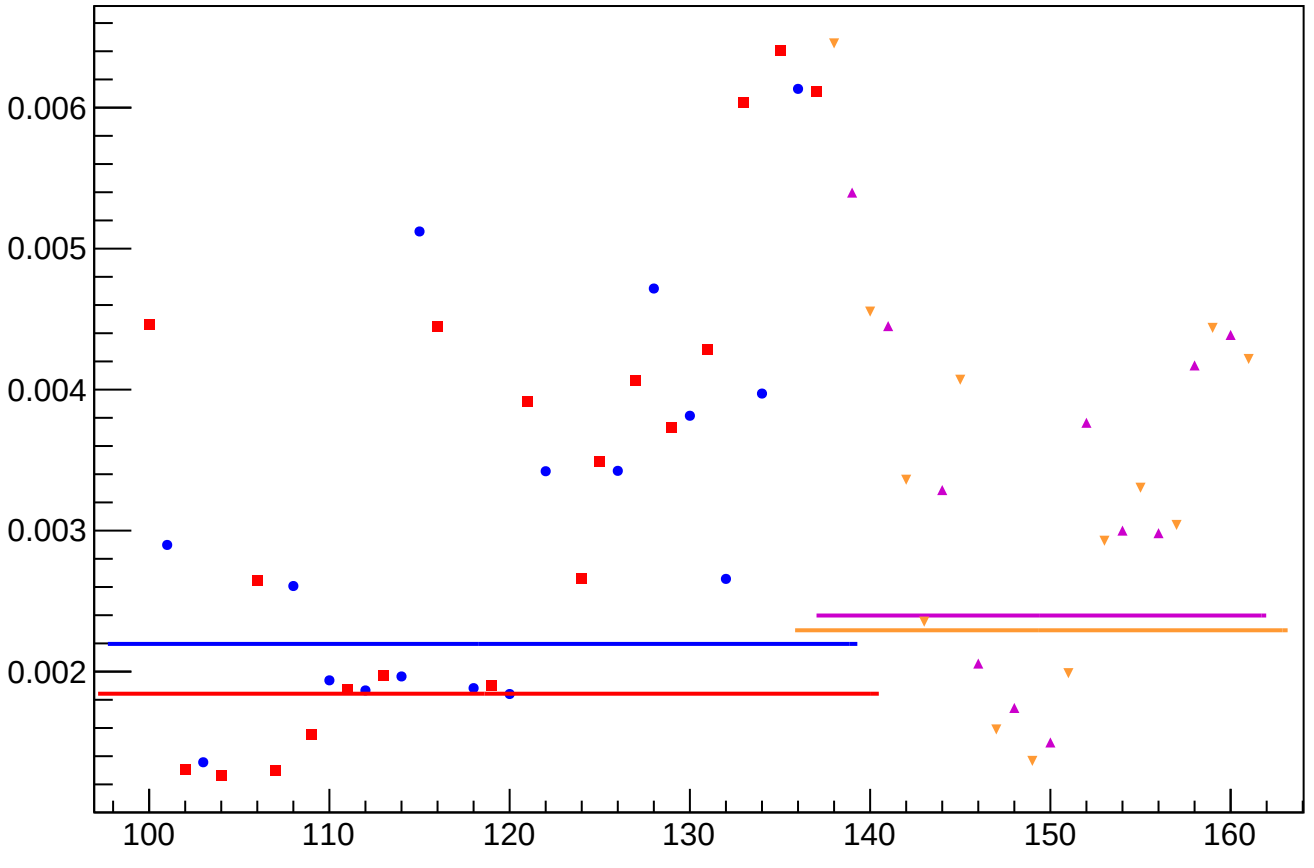
Left: 0.000+/-0.000 χ^2/NDF: 34.2/23

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:27.6/26

Out: -0.000+/-0.000 χ^2/NDF:44.5/31

All: -0.000+/-0.000 χ^2/NDF: 74.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3641461.0/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2891883.9/10

Left: 0.002+/-0.000 χ^2/NDF: 6549272.2/23

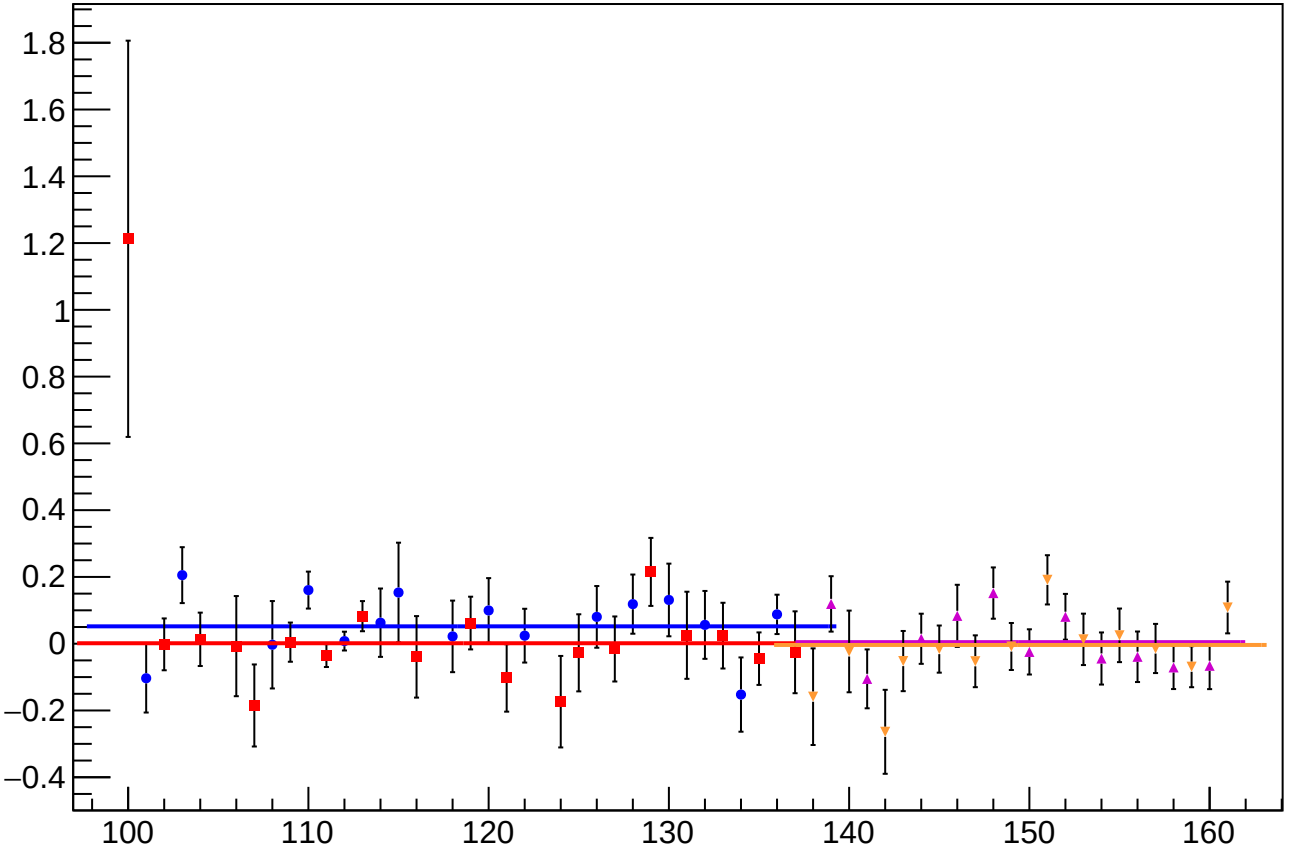
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5236510.3/26

Out: 0.002+/-0.000 χ^2/NDF:7111438.3/31

All: 0.002+/-0.000 χ^2/NDF: 12518587.3/58

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: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.005+/-0.023 χ^2/NDF:12.4/10

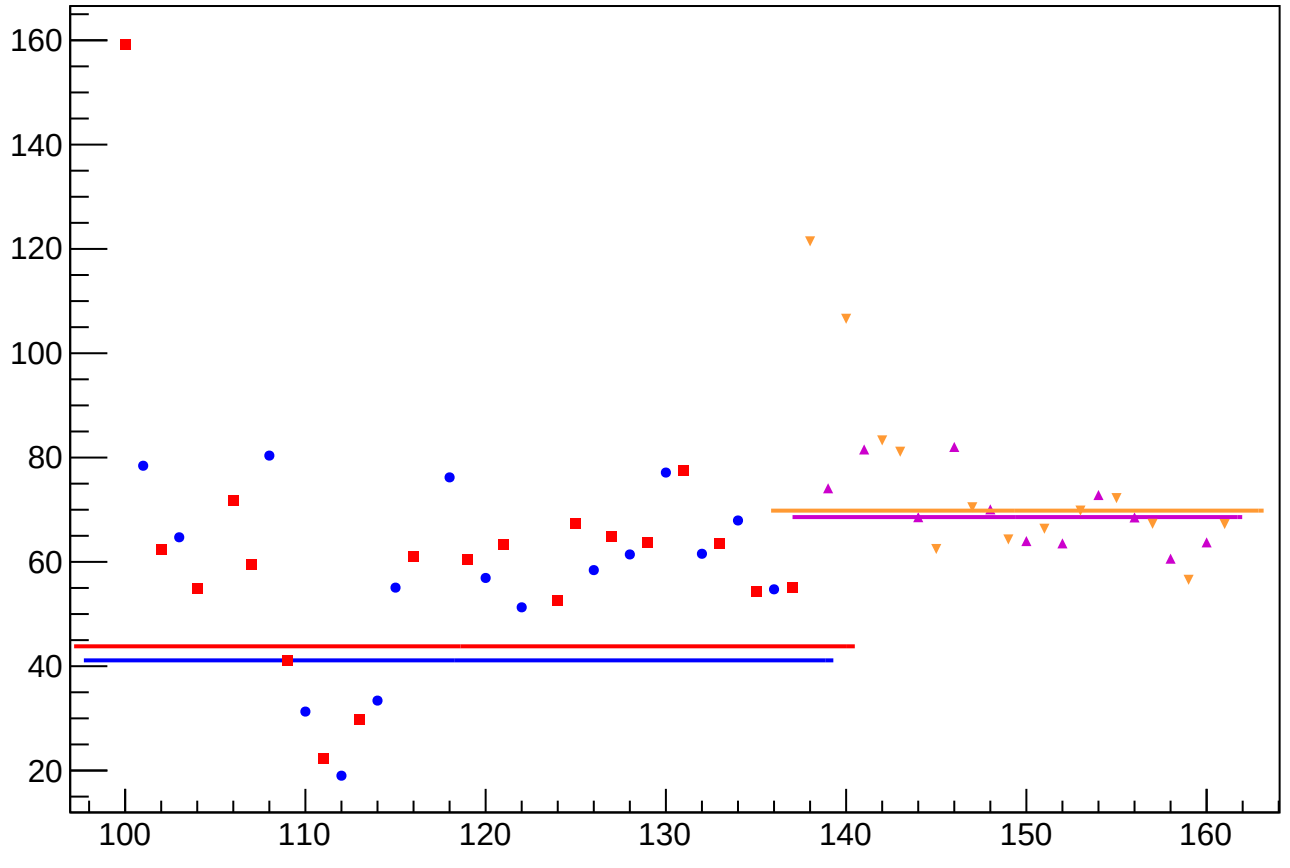
Left: 0.000+/-0.016 χ^2/NDF: 29.0/23

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.001+/-0.014 χ^2/NDF:35.9/31

All: 0.017+/-0.010 χ^2/NDF: 72.0/58



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.826+/-0.016 χ^2/NDF:627949.8/12

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

Left: 69.215+/-0.011 χ^2/NDF: 791338.7/23

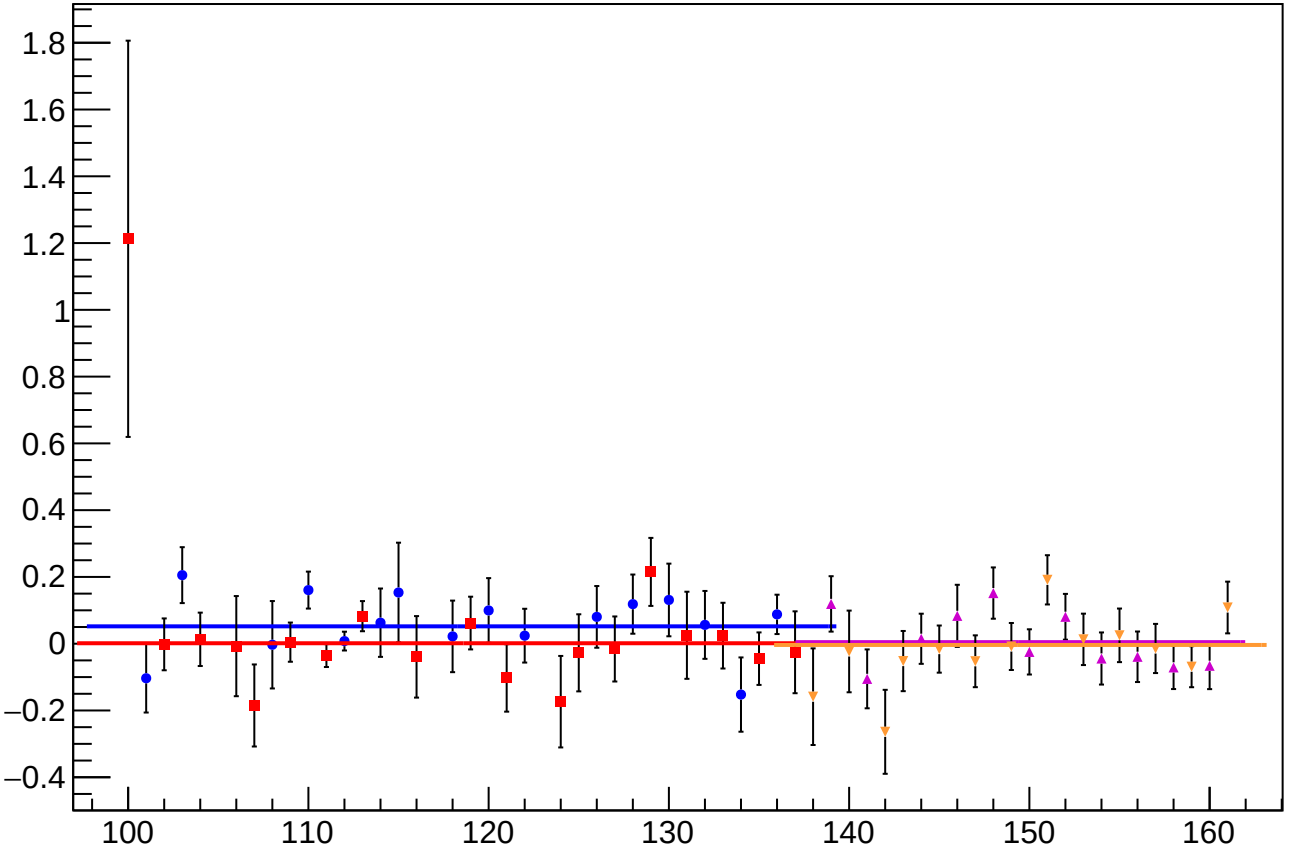
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.581+/-0.010 χ^2/NDF:4905599.2/26

Out: 53.970+/-0.010 χ^2/NDF:4320976.8/31

All: 52.775+/-0.007 χ^2/NDF: 9255750.3/58

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: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.005+/-0.023 χ^2/NDF:12.4/10

Left: 0.000+/-0.016 χ^2/NDF: 29.0/23

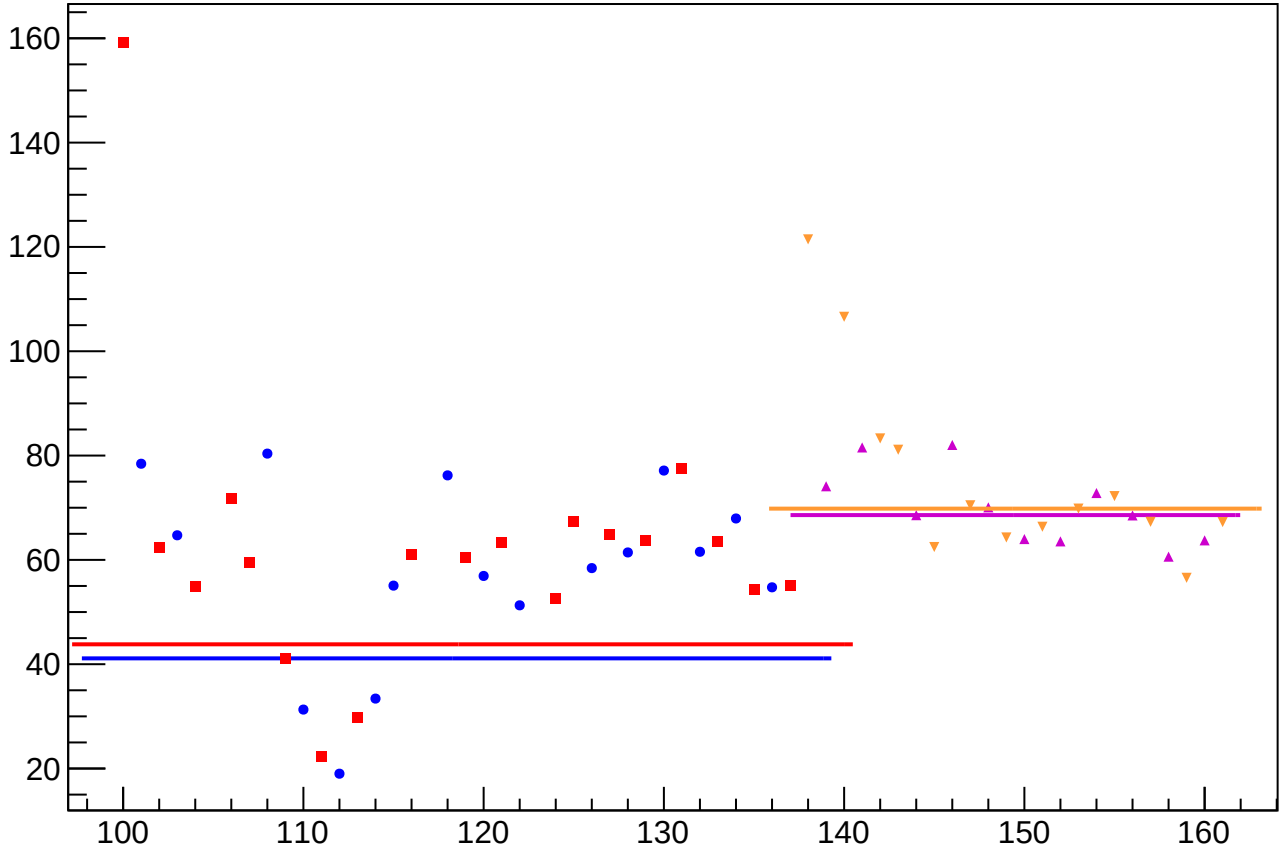
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.034+/-0.014 χ^2/NDF:33.1/26

Out: -0.001+/-0.014 χ^2/NDF:35.9/31

All: 0.017+/-0.010 χ^2/NDF: 72.0/58

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.826+/-0.016 χ^2/NDF:627949.8/12

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

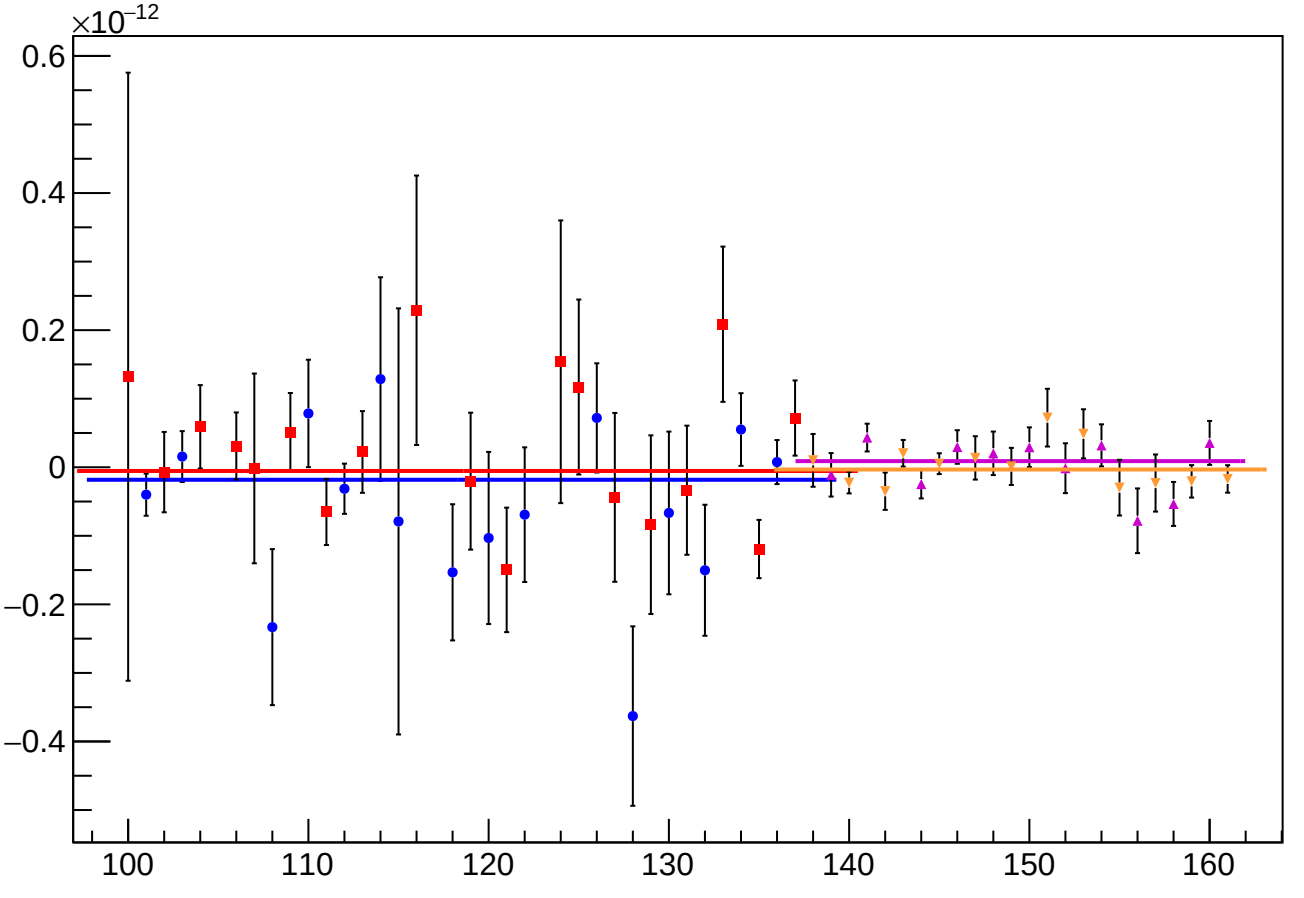
Left: 69.215+/-0.011 χ^2/NDF: 791338.7/23

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 51.581+/-0.010 χ^2/NDF:4905599.2/26

Out: 53.970+/-0.010 χ^2/NDF:4320976.8/31

All: 52.775+/-0.007 χ^2/NDF: 9255750.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/10

Left: 0.000+/-0.000 χ^2/NDF: 29.1/23

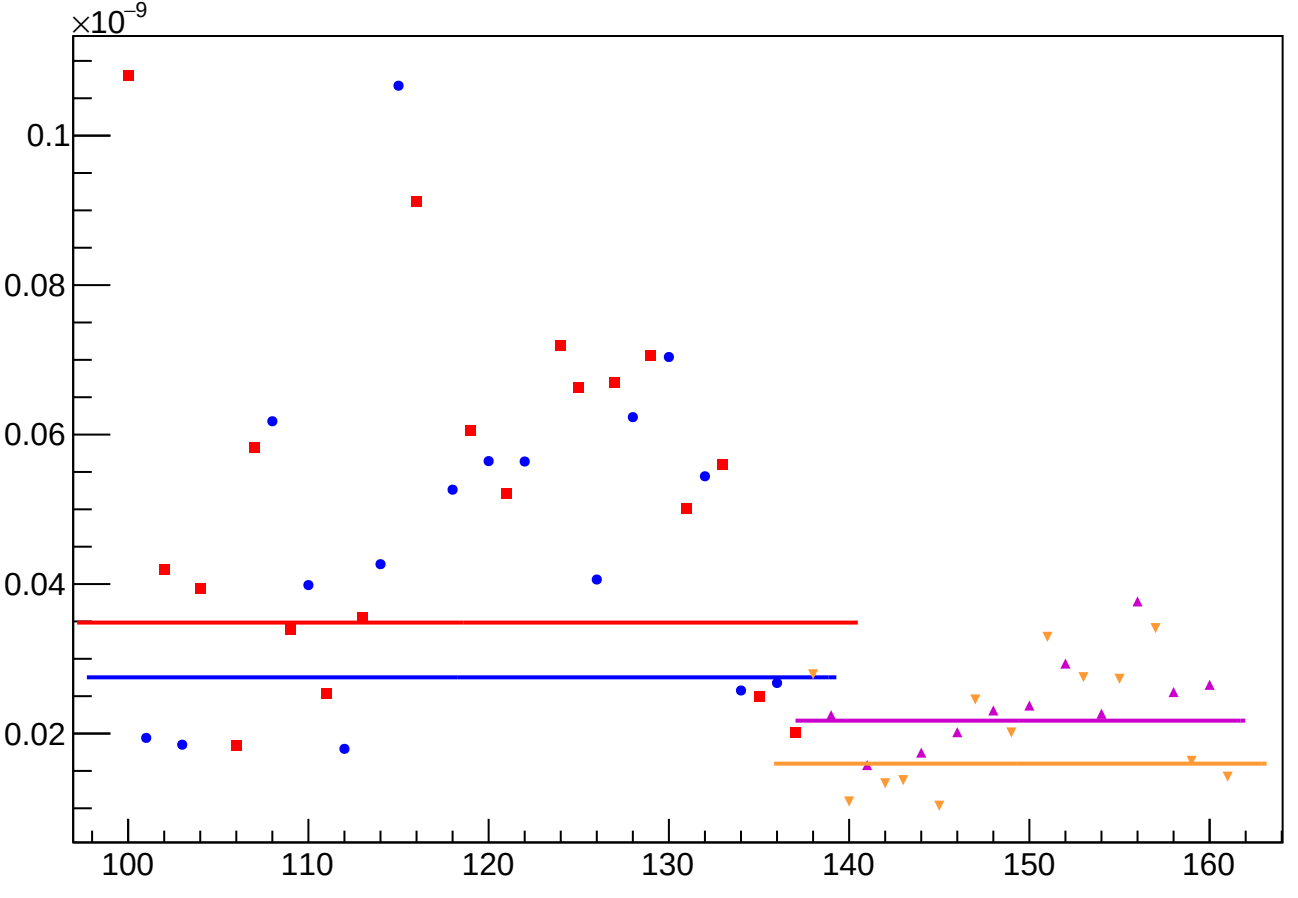
Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:41.3/26

Out: -0.000+/-0.000 χ^2/NDF:35.4/31

All: -0.000+/-0.000 χ^2/NDF: 77.0/58

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2000454.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:669963.1/10

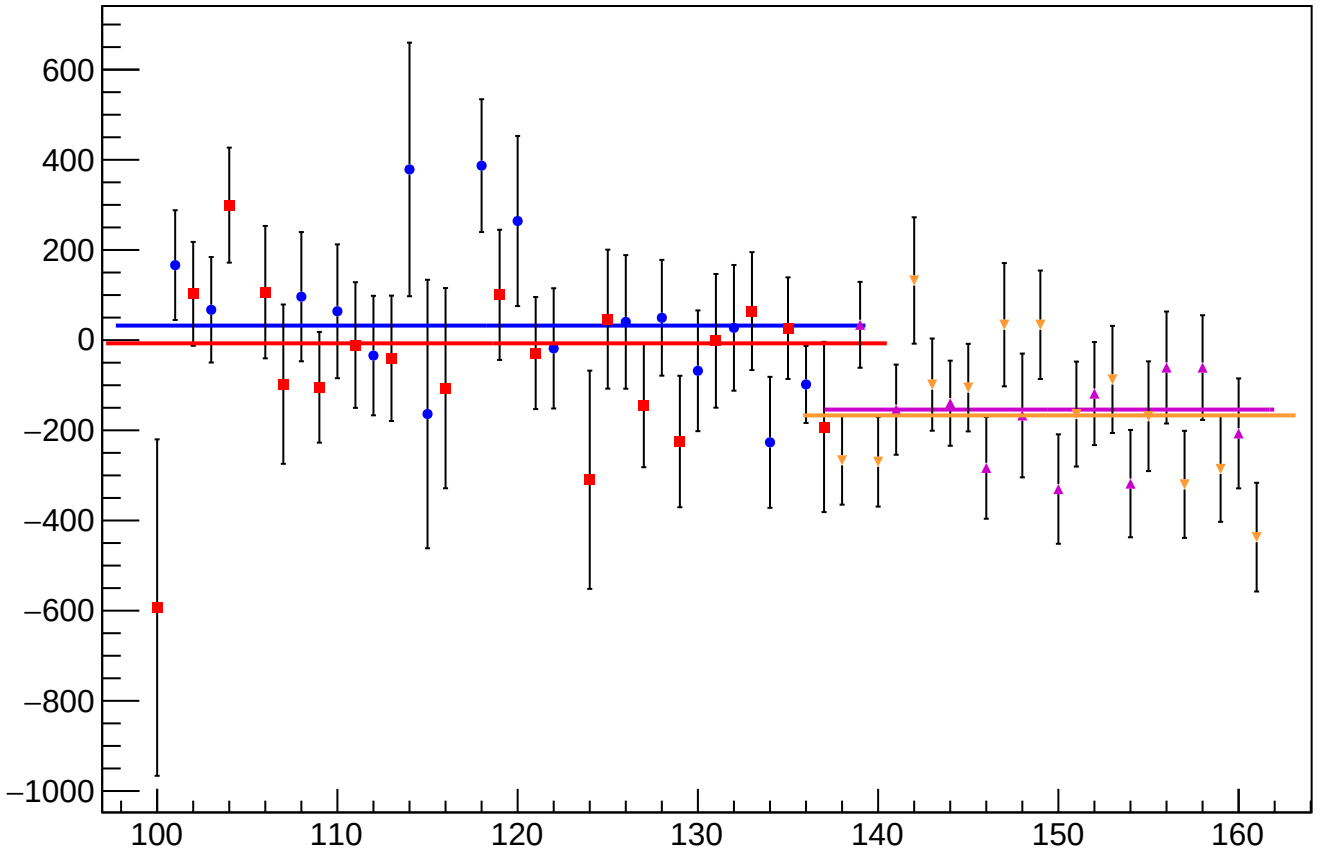
Left: 0.000+/-0.000 χ^2/NDF: 3233822.0/23

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2709534.4/26

Out: 0.000+/-0.000 χ^2/NDF:5879567.6/31

All: 0.000+/-0.000 χ^2/NDF: 9053551.0/58



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.918+/-31.559 χ^2/NDF:20.6/12

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -153.984+/-33.795 χ^2/NDF:10.7/10

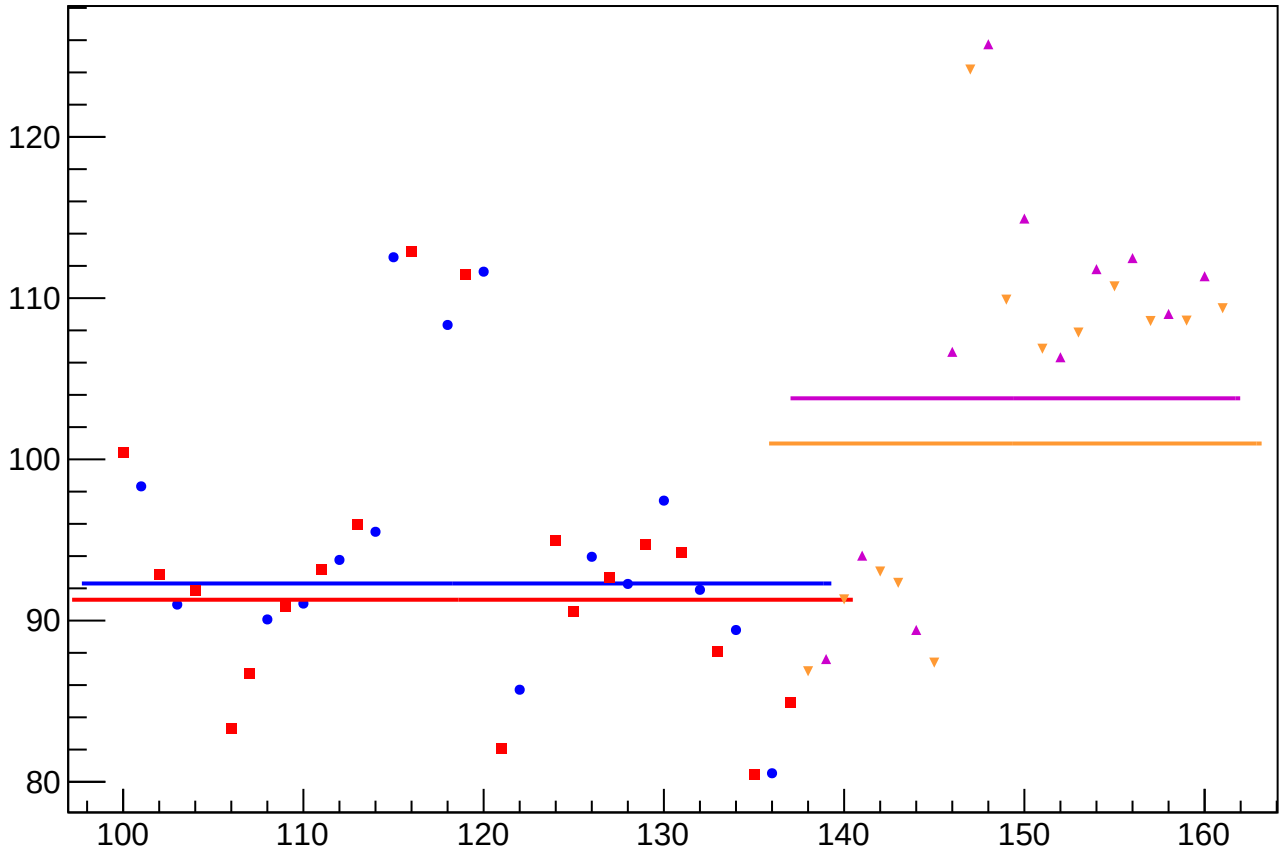
Left: -160.893+/-23.066 χ^2/NDF: 31.4/23

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -62.573+/-24.118 χ^2/NDF:43.0/26

Out: -91.568+/-22.945 χ^2/NDF:50.5/31

All: -77.793+/-16.624 χ^2/NDF: 94.2/58



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

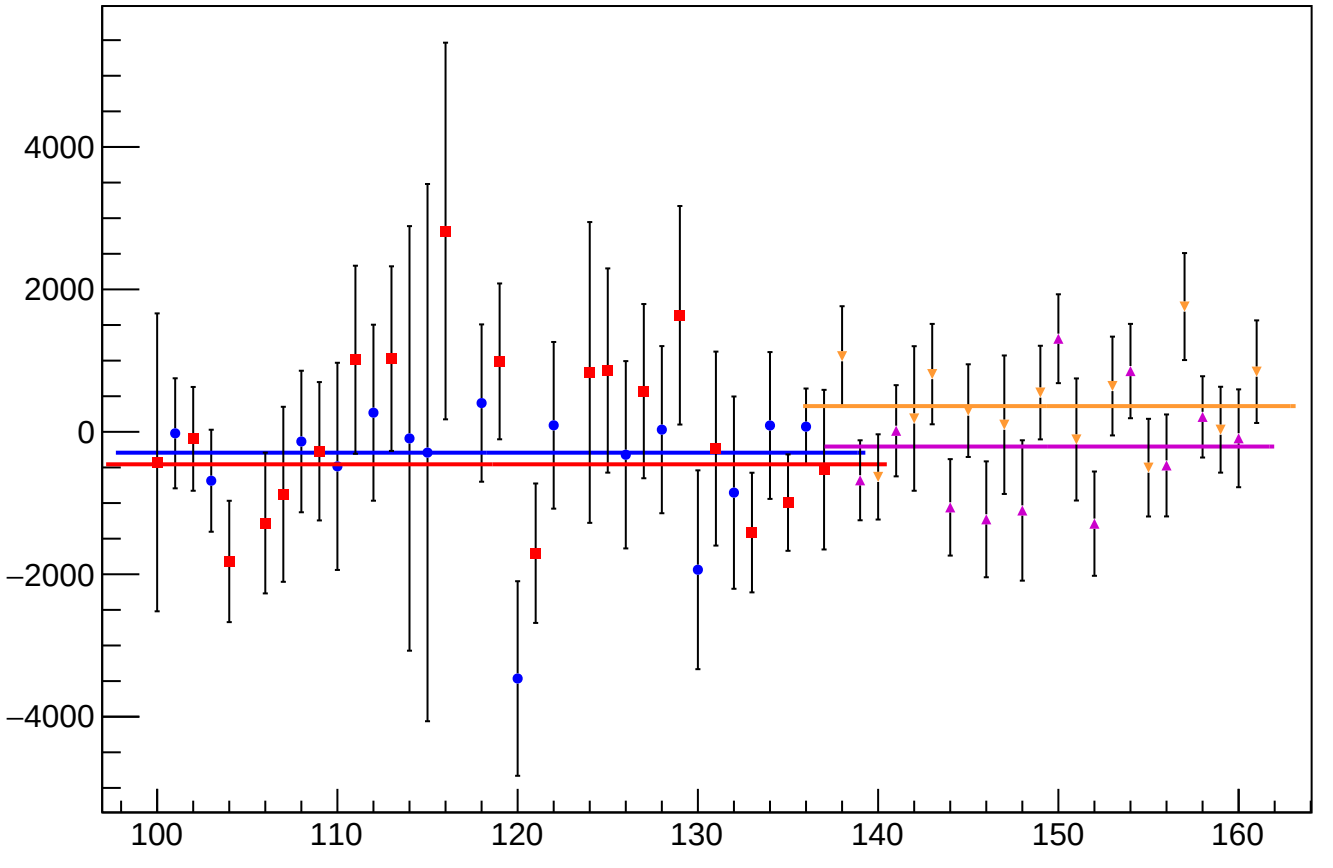
Left: 102.290+/-0.016 χ^2/NDF: 470974.0/23

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 98.151+/-0.017 χ^2/NDF:444484.9/26

Out: 96.416+/-0.016 χ^2/NDF:433527.1/31

All: 97.240+/-0.012 χ^2/NDF: 883447.3/58



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 361.321+/-197.827 χ^2/NDF:10.6/12

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -206.445+/-203.352 χ^2/NDF:16.2/10

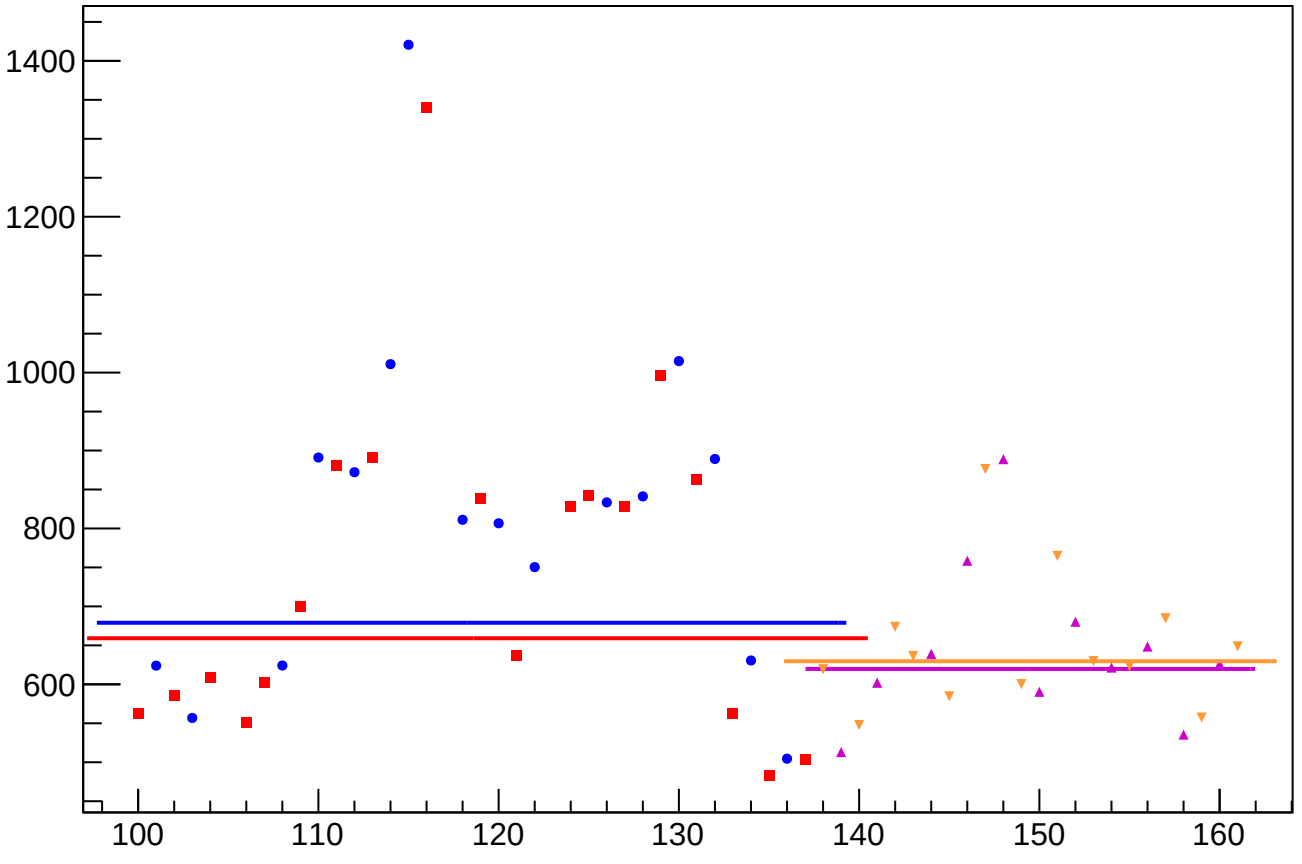
Left: 85.255+/-141.798 χ^2/NDF: 30.8/23

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 44.677+/-154.824 χ^2/NDF:34.1/31

All: -92.527+/-111.298 χ^2/NDF: 60.8/58



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 629.645+/-0.140 χ^2/NDF:274814.5/12

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 619.755+/-0.144 χ^2/NDF:347862.9/10

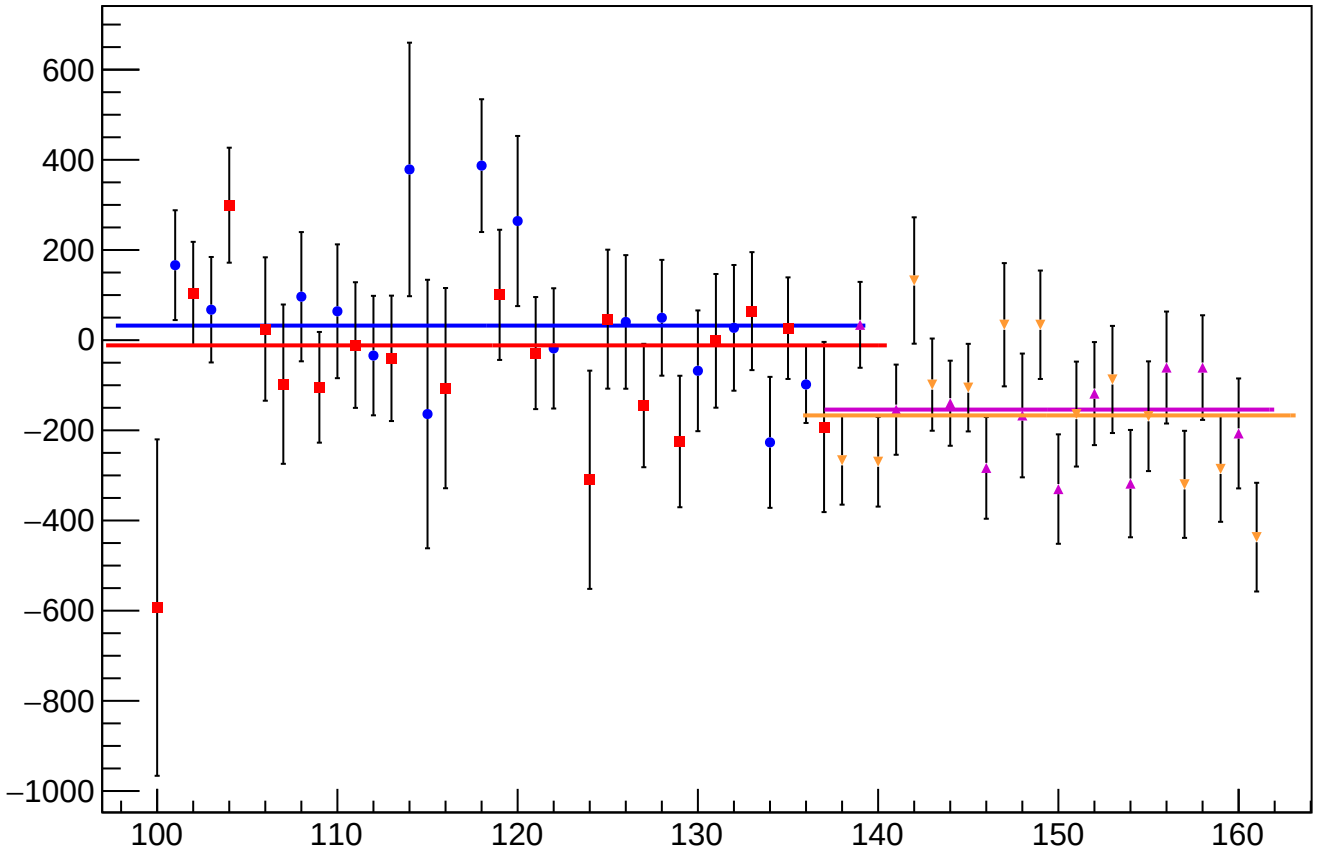
Left: 624.836+/-0.100 χ^2/NDF: 625107.7/23

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 642.275+/-0.113 χ^2/NDF:1180378.7/26

Out: 641.072+/-0.109 χ^2/NDF:1087912.2/31

All: 641.653+/-0.079 χ^2/NDF: 2268349.3/58



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.913+/-31.559 χ^2/NDF:20.6/12

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -153.988+/-33.795 χ^2/NDF:10.7/10

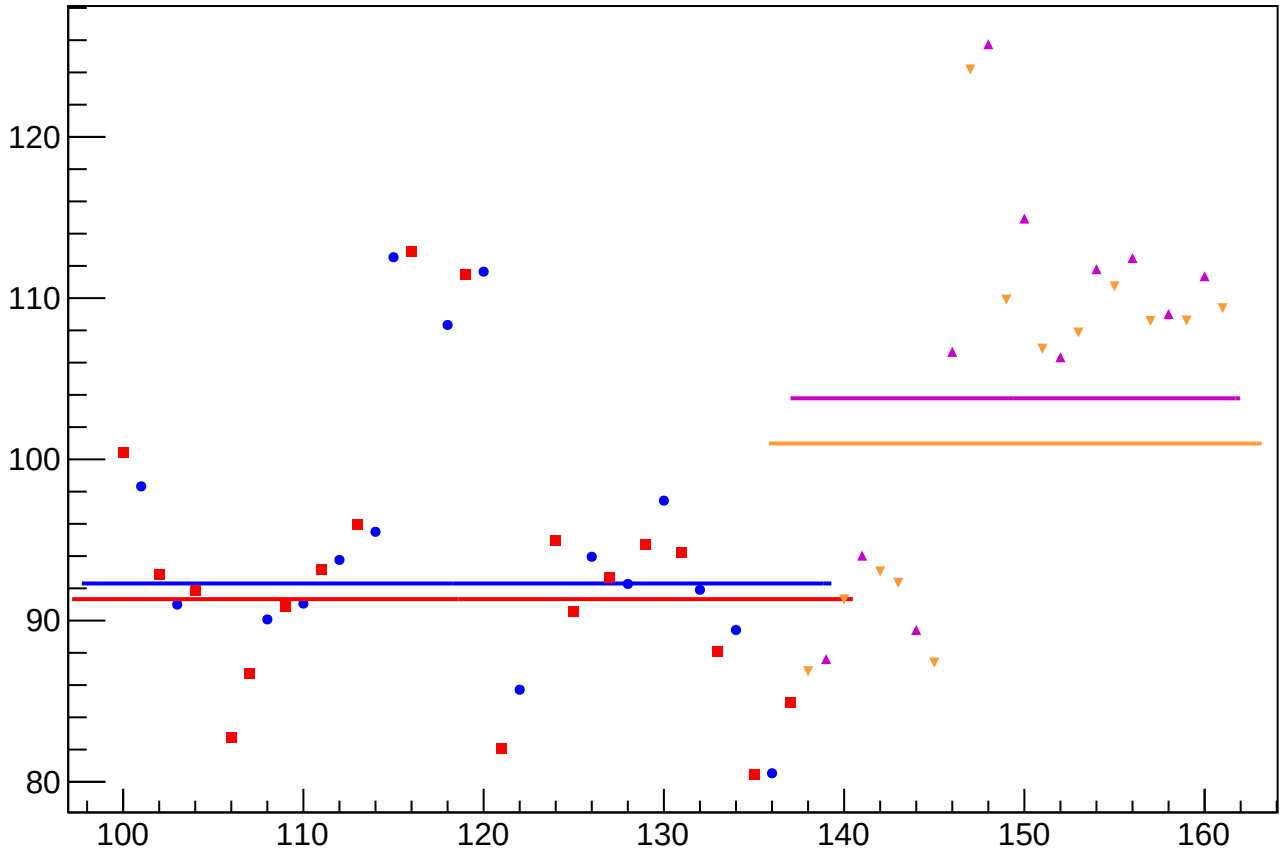
Left: -160.892+/-23.066 χ^2/NDF: 31.4/23

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -62.567+/-24.118 χ^2/NDF:43.0/26

Out: -93.987+/-22.987 χ^2/NDF:49.2/31

All: -79.031+/-16.640 χ^2/NDF: 93.0/58



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

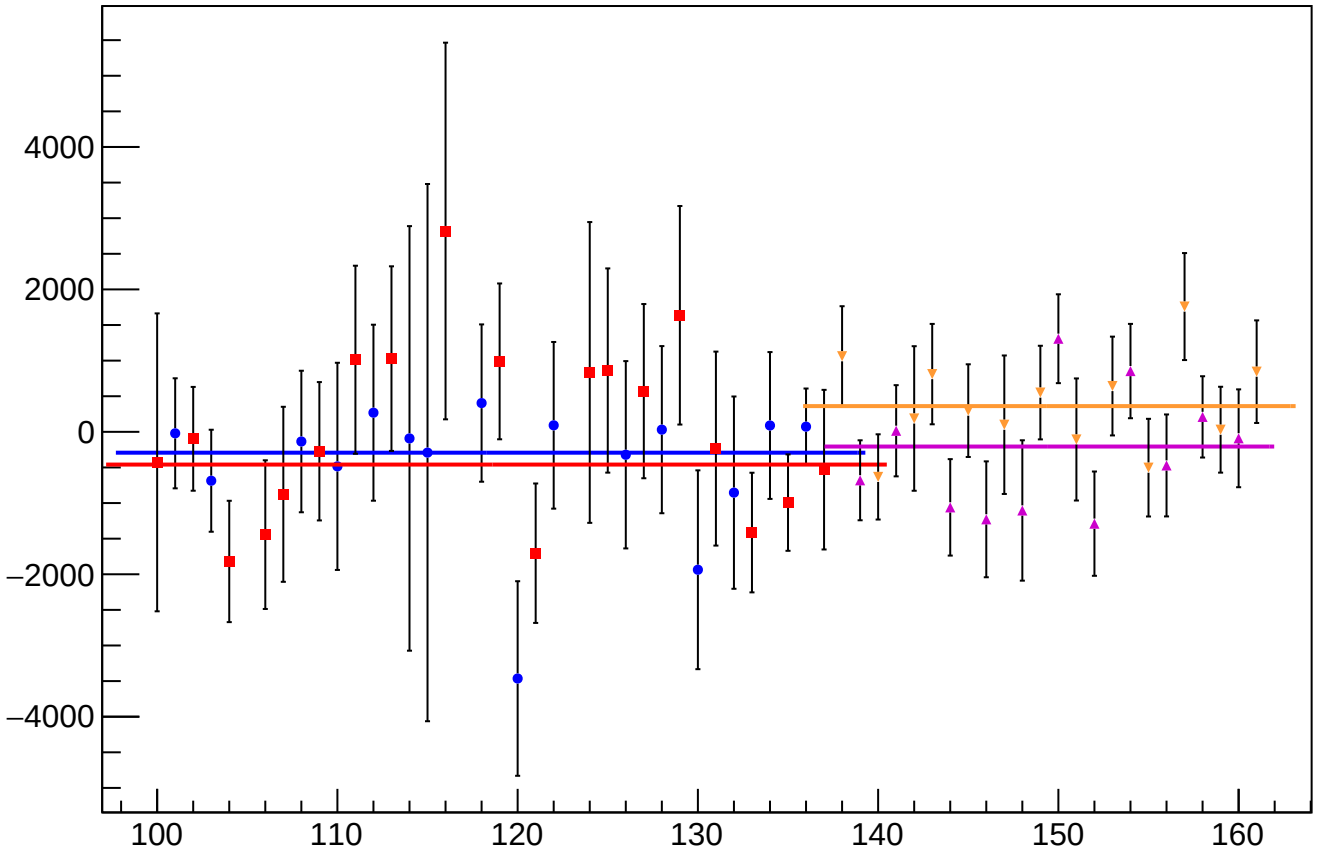
Left: 102.290+/-0.016 χ^2/NDF: 470974.0/23

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.151+/-0.017 χ^2/NDF:444484.8/26

Out: 96.453+/-0.016 χ^2/NDF:432289.0/31

All: 97.261+/-0.012 χ^2/NDF: 881973.7/58



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 361.322+/-197.827 χ^2/NDF:10.6/12

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -206.447+/-203.352 χ^2/NDF:16.2/10

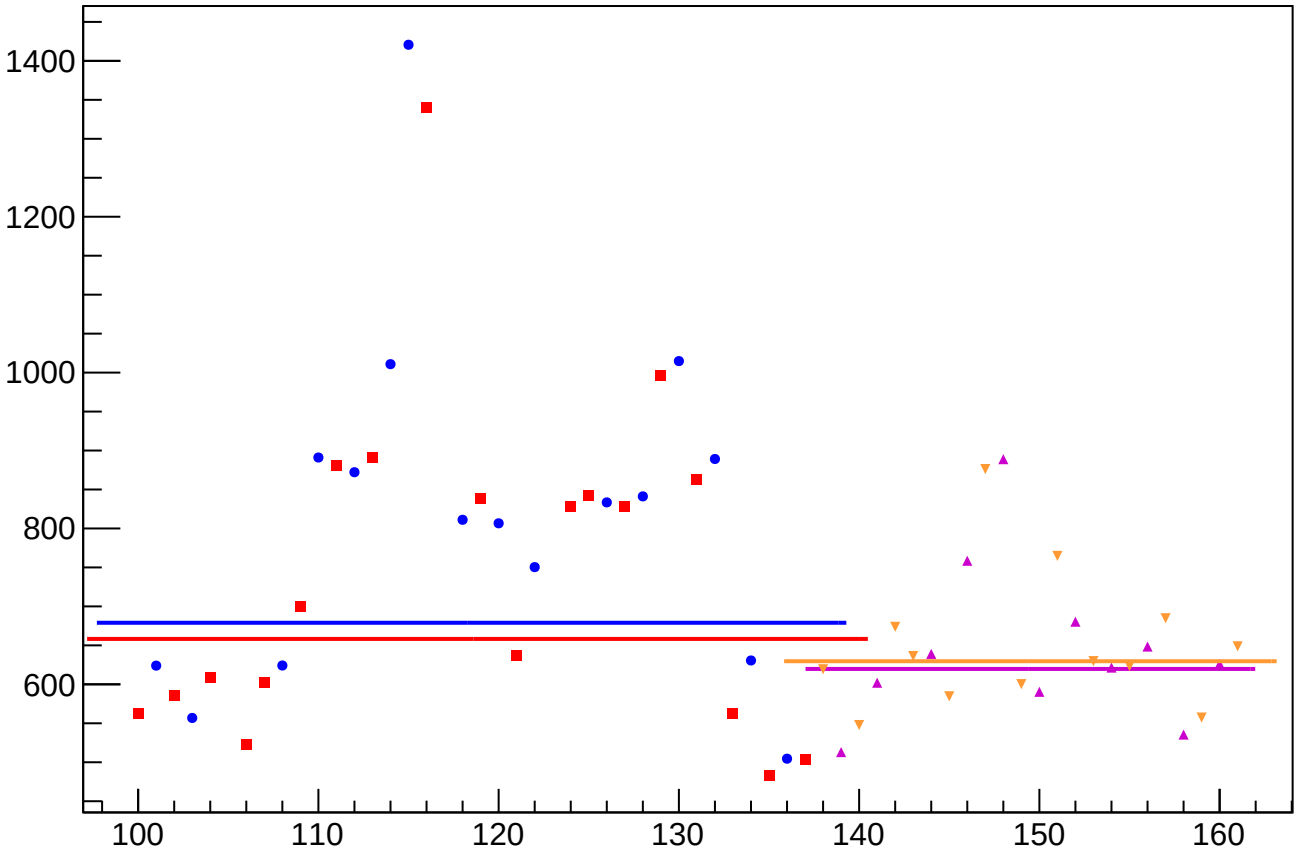
Left: 85.255+/-141.798 χ^2/NDF: 30.8/23

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 44.510+/-155.023 χ^2/NDF:34.3/31

All: -92.795+/-111.372 χ^2/NDF: 61.0/58



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 629.645+/-0.140 χ^2/NDF:274815.7/12

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

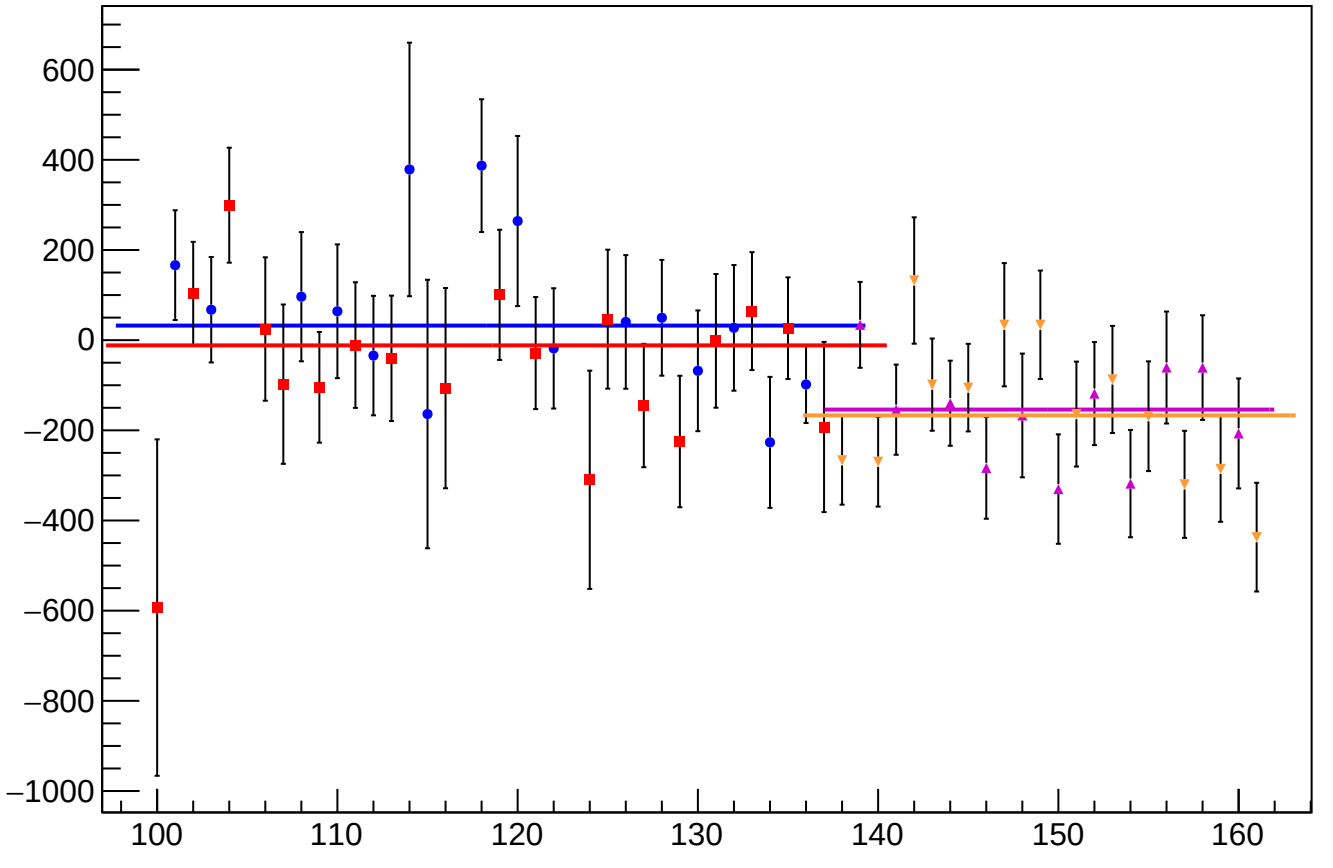
Left: 624.836+/-0.100 χ^2/NDF: 625108.0/23

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 642.275+/-0.113 χ^2/NDF:1180378.5/26

Out: 640.689+/-0.110 χ^2/NDF:1096864.9/31

All: 641.457+/-0.079 χ^2/NDF: 2277344.8/58



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.913+/-31.559 χ^2/NDF:20.6/12

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -153.988+/-33.795 χ^2/NDF:10.7/10

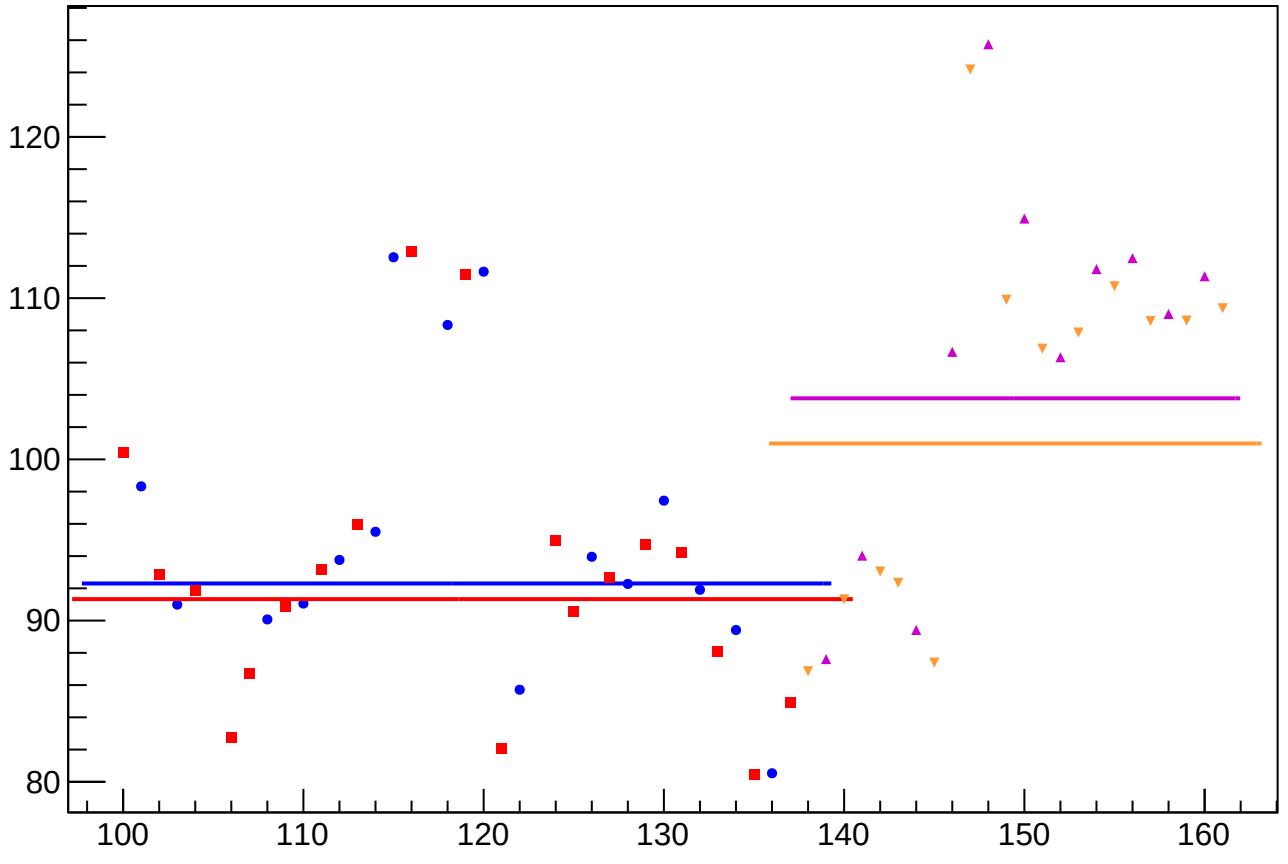
Left: -160.892+/-23.066 χ^2/NDF: 31.4/23

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -62.567+/-24.118 χ^2/NDF:43.0/26

Out: -93.987+/-22.987 χ^2/NDF:49.2/31

All: -79.031+/-16.640 χ^2/NDF: 93.0/58



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

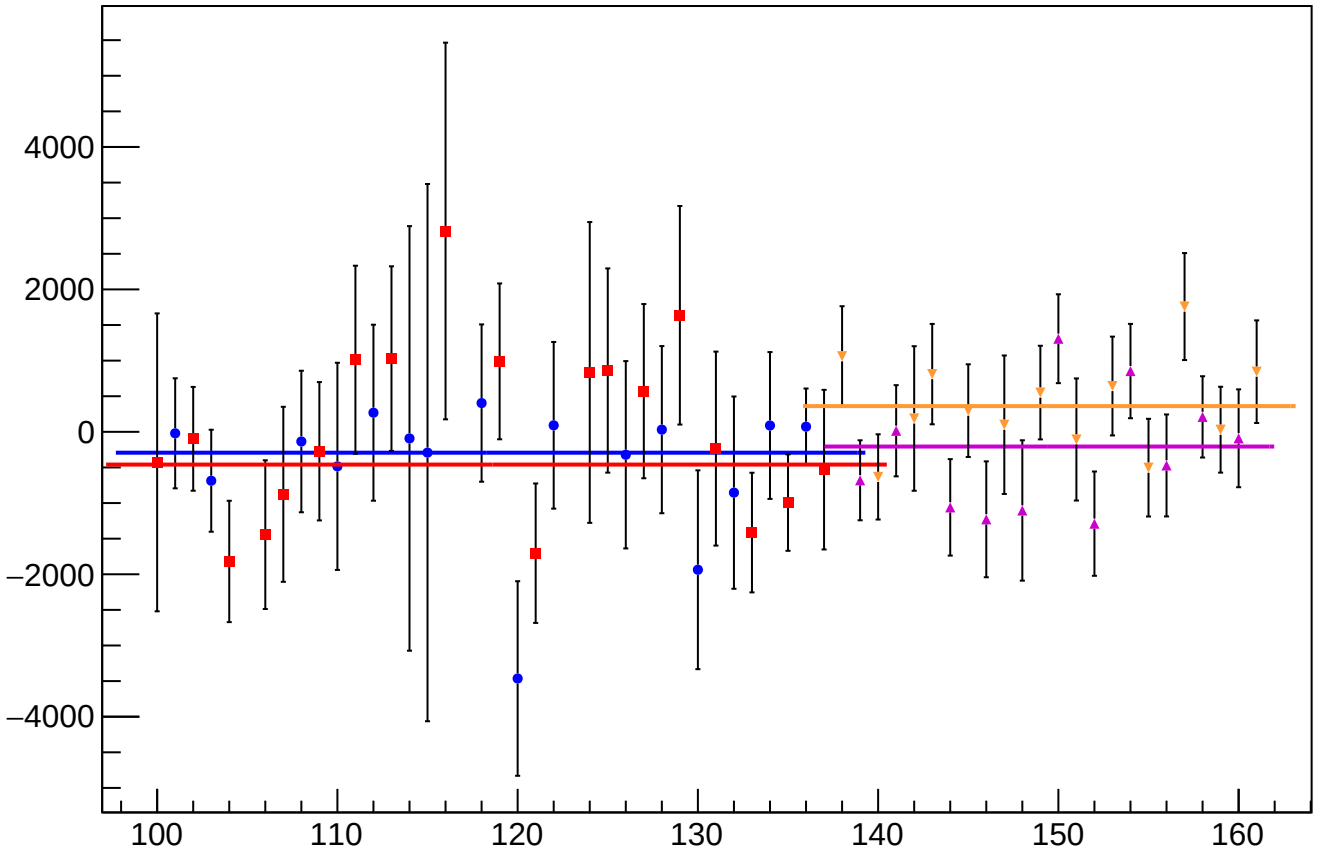
Left: 102.290+/-0.016 χ^2/NDF: 470974.0/23

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.151+/-0.017 χ^2/NDF:444484.8/26

Out: 96.453+/-0.016 χ^2/NDF:432289.0/31

All: 97.261+/-0.012 χ^2/NDF: 881973.7/58



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 361.322+/-197.827 χ^2/NDF:10.6/12

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -206.447+/-203.352 χ^2/NDF:16.2/10

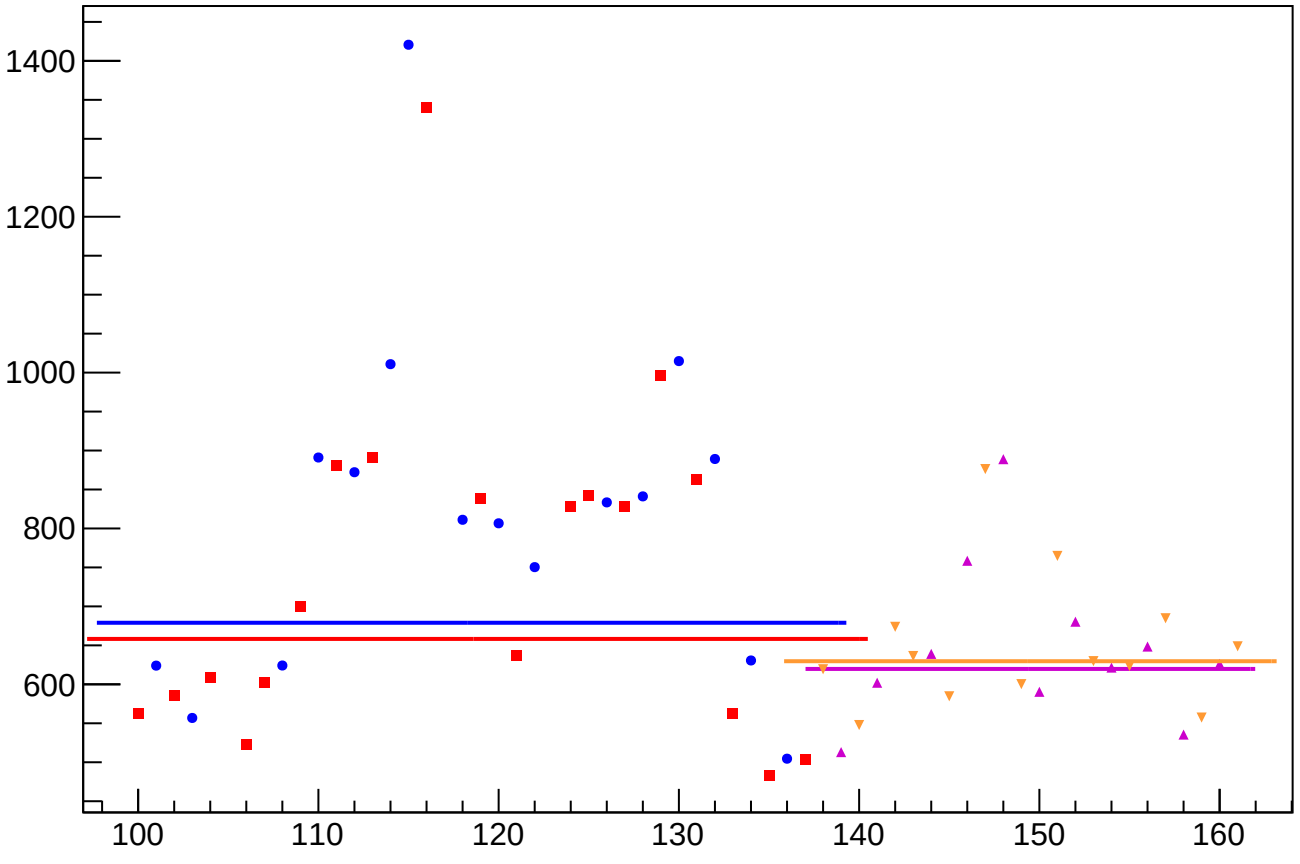
Left: 85.255+/-141.798 χ^2/NDF: 30.8/23

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -239.252+/-160.106 χ^2/NDF:25.0/26

Out: 44.510+/-155.023 χ^2/NDF:34.3/31

All: -92.795+/-111.372 χ^2/NDF: 61.0/58



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 629.645+/-0.140 χ^2/NDF:274815.7/12

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

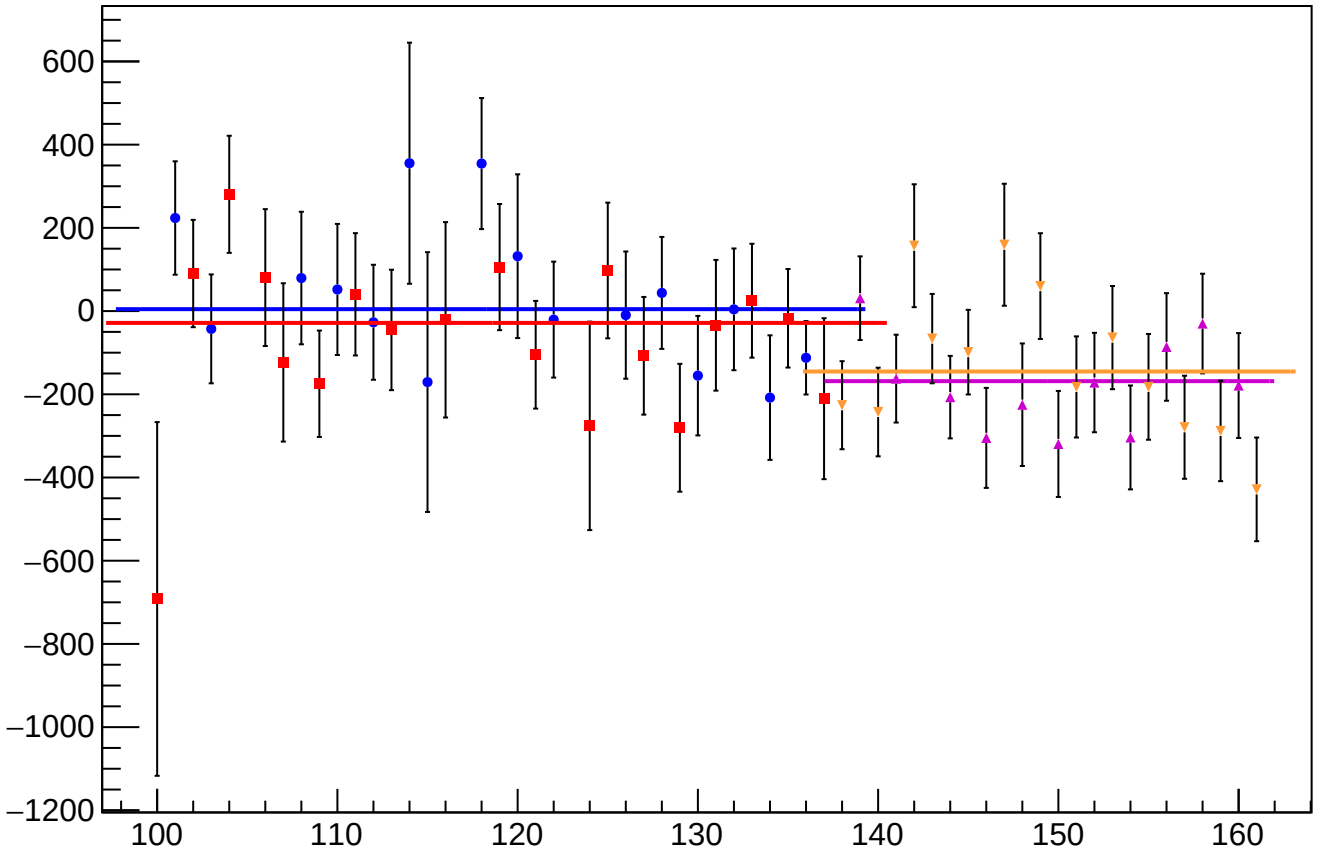
Left: 624.836+/-0.100 χ^2/NDF: 625108.0/23

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 642.275+/-0.113 χ^2/NDF:1180378.5/26

Out: 640.689+/-0.110 χ^2/NDF:1096864.9/31

All: 641.457+/-0.079 χ^2/NDF: 2277344.8/58



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.221+/-33.185 χ^2/NDF:21.6/12

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -168.444+/-35.489 χ^2/NDF:9.8/10

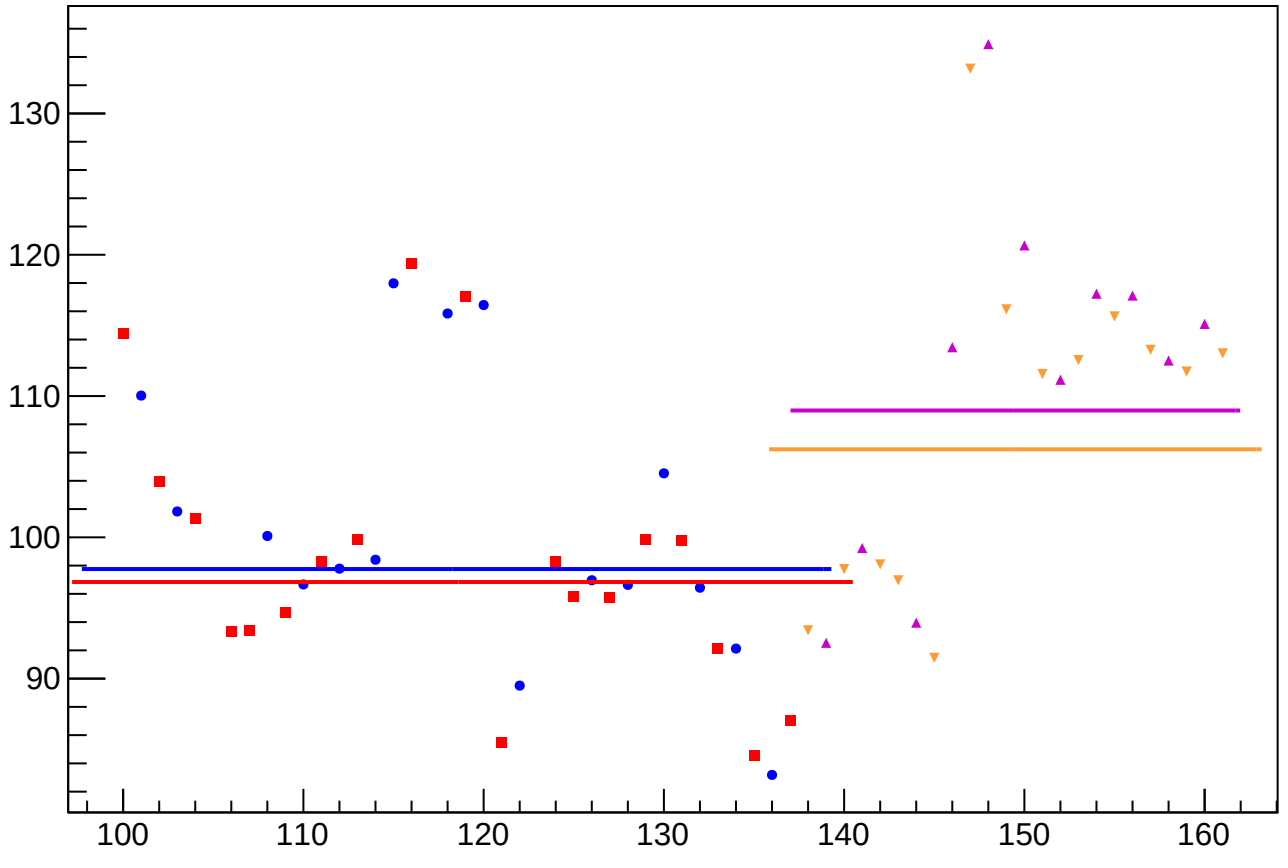
Left: -156.054+/-24.239 χ^2/NDF: 31.7/23

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -84.364+/-25.447 χ^2/NDF:36.7/26

Out: -90.690+/-24.231 χ^2/NDF:44.5/31

All: -87.681+/-17.548 χ^2/NDF: 81.3/58



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 106.232+/-0.023 χ^2/NDF:221383.8/12

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 108.978+/-0.025 χ^2/NDF:221749.9/10

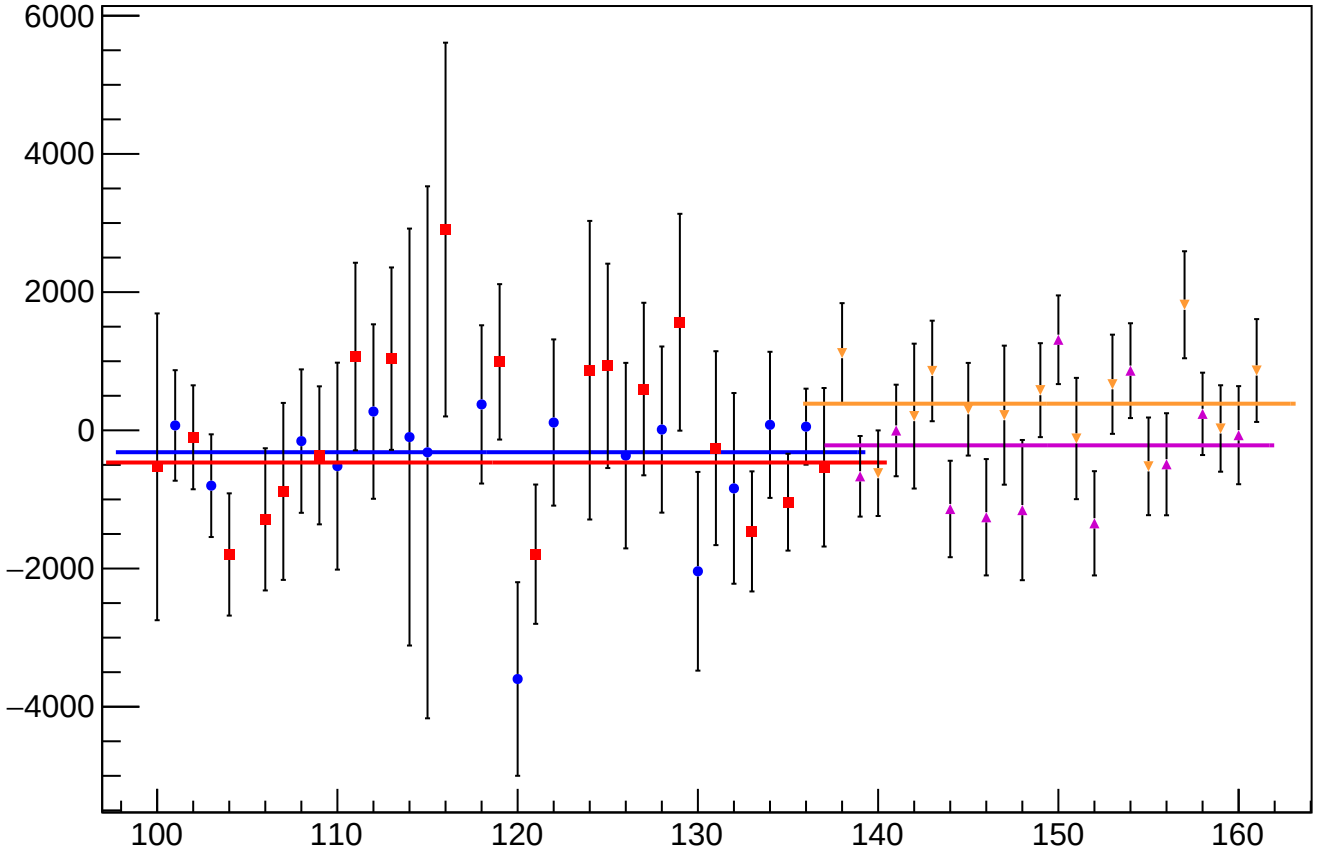
Left: 107.513+/-0.017 χ^2/NDF: 449520.0/23

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 103.526+/-0.018 χ^2/NDF:459555.2/26

Out: 101.848+/-0.017 χ^2/NDF:411347.3/31

All: 102.646+/-0.012 χ^2/NDF: 875464.5/58



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 385.553+/-204.281 χ^2/NDF:10.5/12

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -217.256+/-210.372 χ^2/NDF:16.0/10

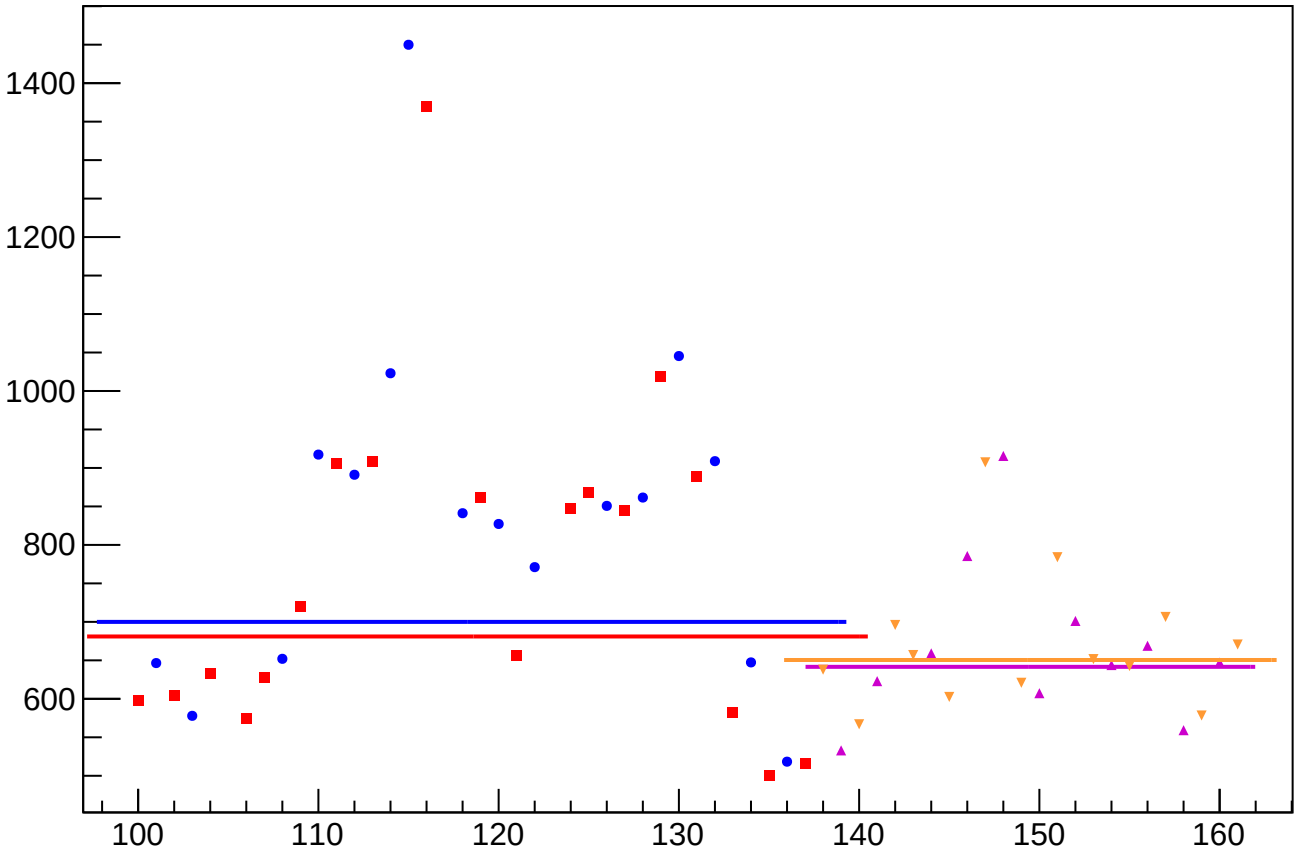
Left: 93.001+/-146.555 χ^2/NDF: 30.7/23

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -255.206+/-165.365 χ^2/NDF:25.2/26

Out: 55.450+/-159.831 χ^2/NDF:33.7/31

All: -94.593+/-114.924 χ^2/NDF: 60.8/58



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 650.454+/-0.144 χ^2/NDF:270319.0/12

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 641.570+/-0.149 χ^2/NDF:335789.4/10

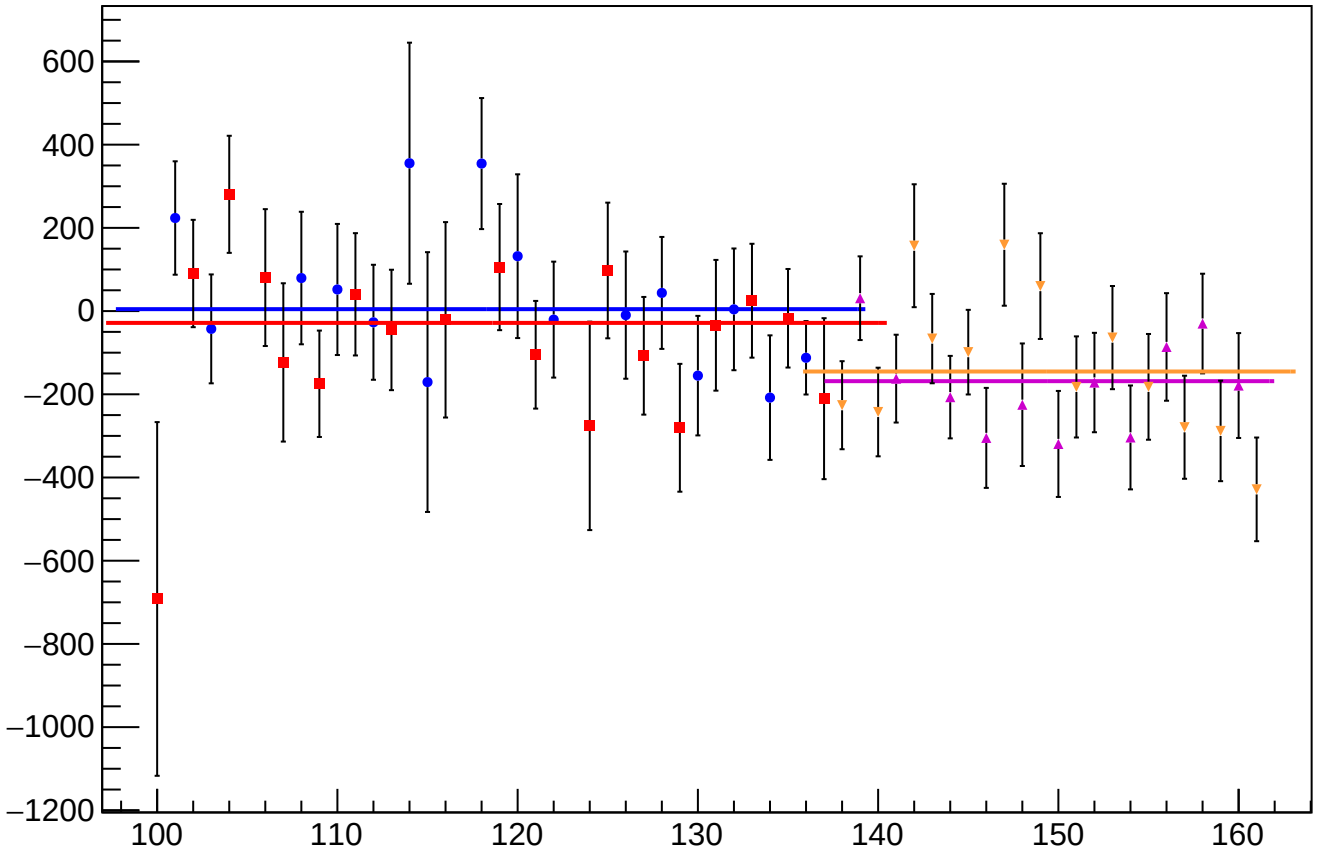
Left: 646.143+/-0.104 χ^2/NDF: 607944.3/23

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 663.886+/-0.117 χ^2/NDF:1148354.4/26

Out: 662.308+/-0.113 χ^2/NDF:1057077.8/31

All: 663.070+/-0.081 χ^2/NDF: 2205526.4/58



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.221+/-33.185 χ^2/NDF:21.6/12

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -168.444+/-35.489 χ^2/NDF:9.8/10

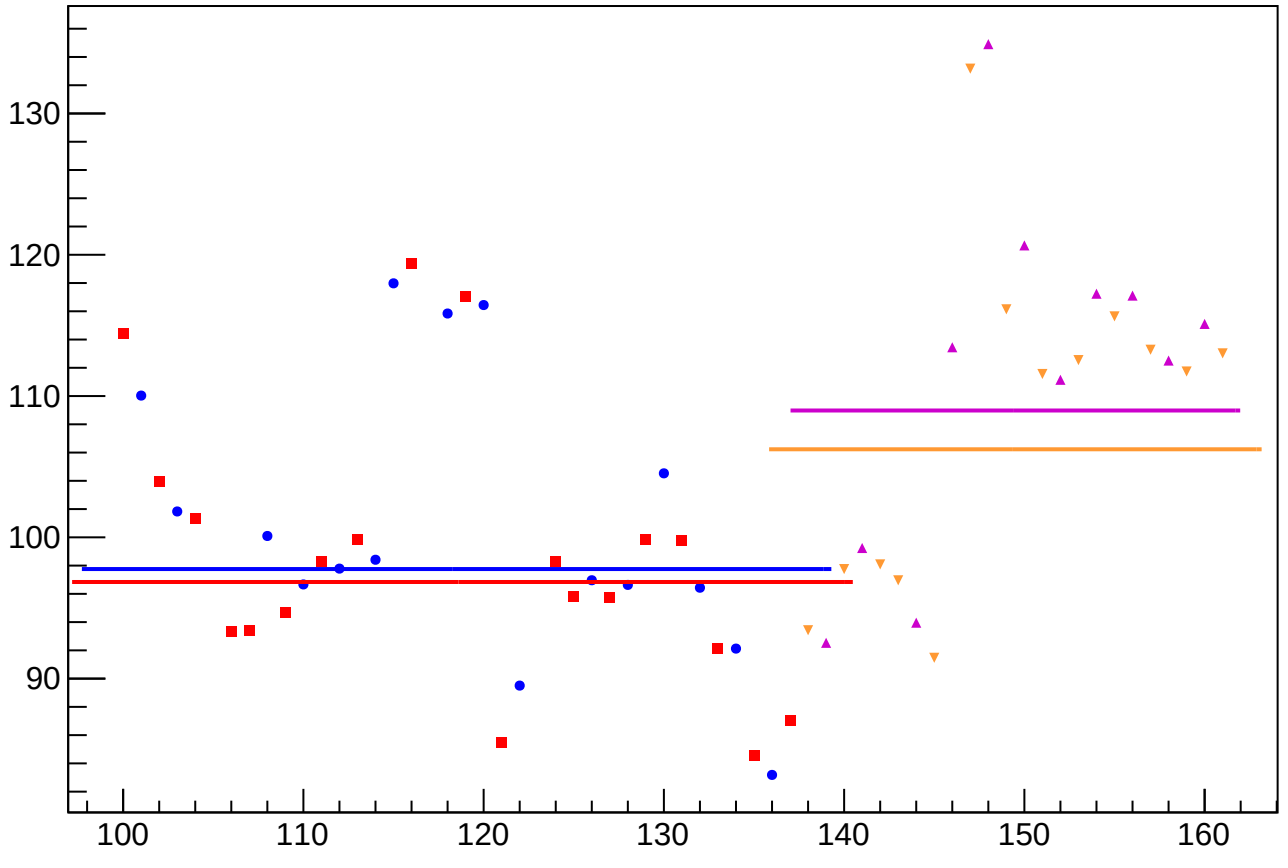
Left: -156.054+/-24.239 χ^2/NDF: 31.7/23

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -84.363+/-25.447 χ^2/NDF:36.7/26

Out: -90.690+/-24.231 χ^2/NDF:44.5/31

All: -87.681+/-17.548 χ^2/NDF: 81.3/58



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 106.232+/-0.023 χ^2/NDF:221383.5/12

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.978+/-0.025 χ^2/NDF:221748.9/10

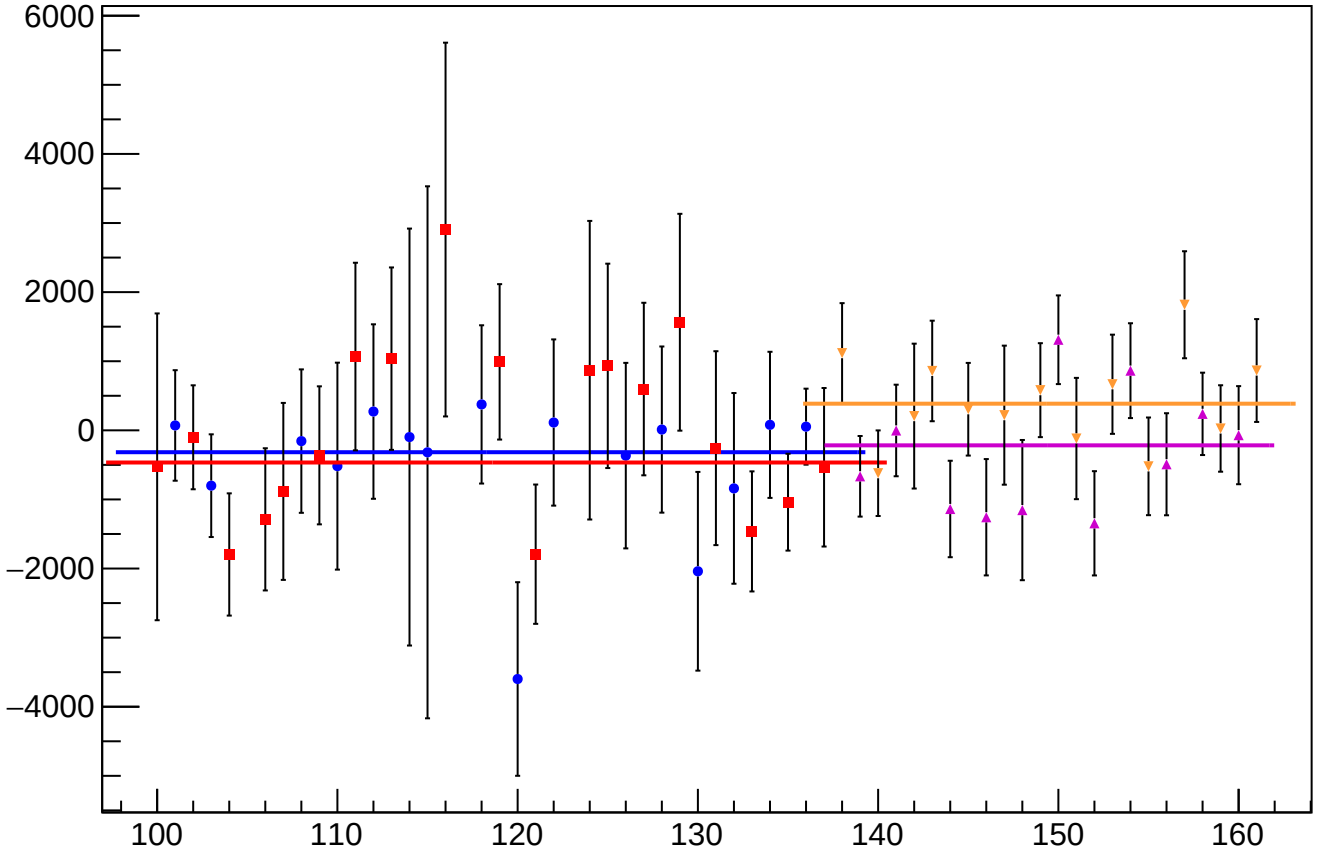
Left: 107.513+/-0.017 χ^2/NDF: 449518.9/23

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 103.526+/-0.018 χ^2/NDF:459562.2/26

Out: 101.847+/-0.017 χ^2/NDF:411355.7/31

All: 102.645+/-0.012 χ^2/NDF: 875480.1/58



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 385.553+/-204.282 χ^2/NDF:10.5/12

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -217.258+/-210.373 χ^2/NDF:16.0/10

Left: 93.001+/-146.555 χ^2/NDF: 30.7/23

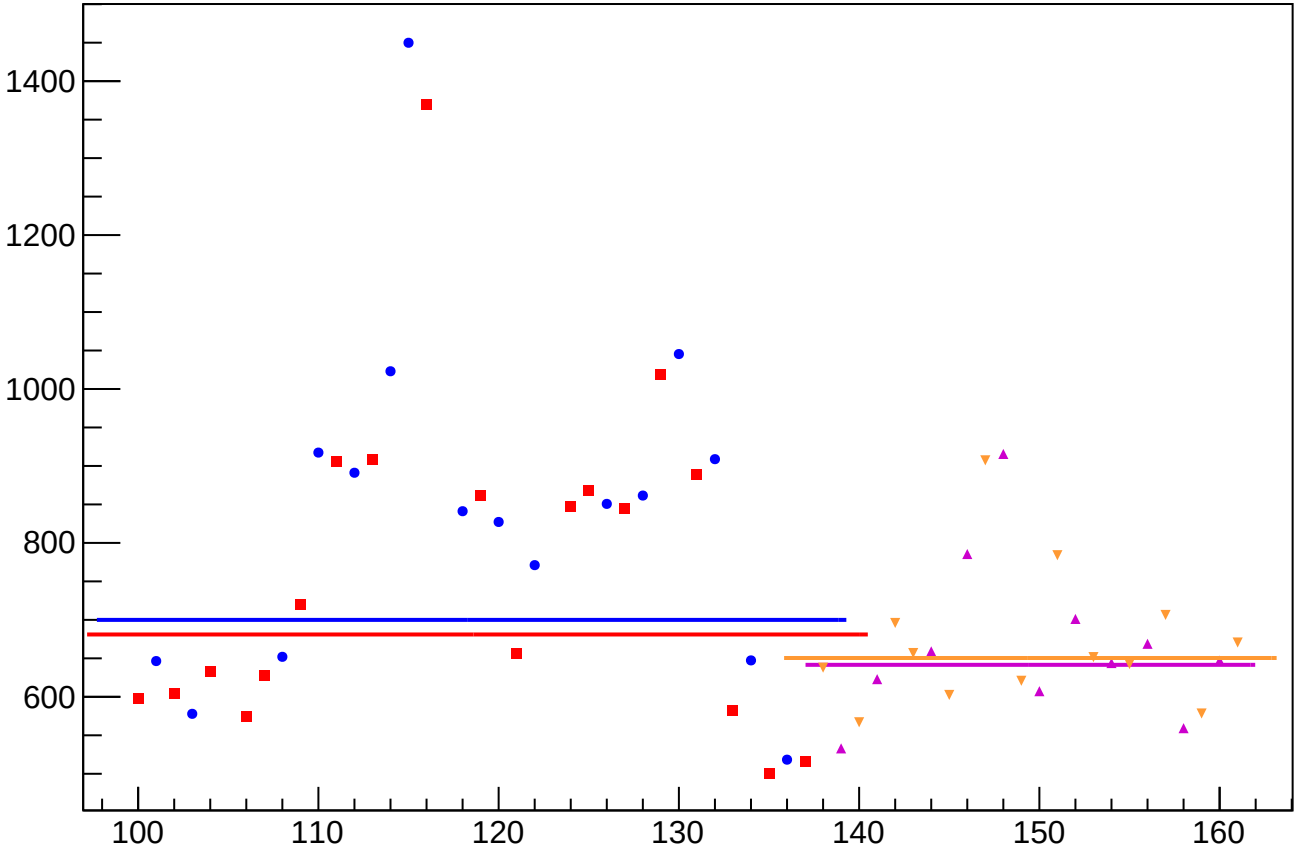
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -255.206+/-165.365 χ^2/NDF:25.2/26

Out: 55.449+/-159.831 χ^2/NDF:33.7/31

All: -94.594+/-114.924 χ^2/NDF: 60.8/58

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: 650.455+/-0.144 χ^2/NDF:270319.6/12

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 641.571+/-0.149 χ^2/NDF:335791.0/10

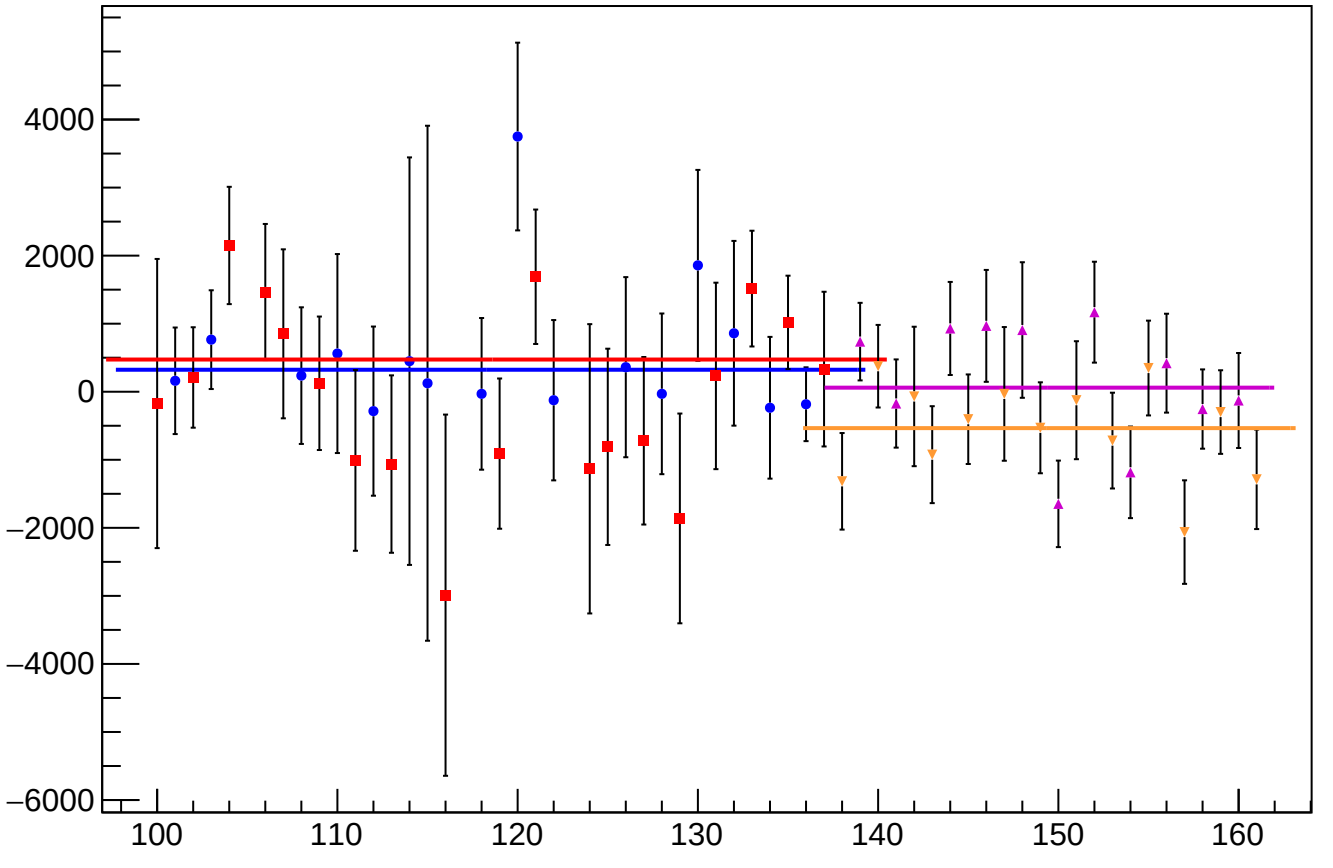
Left: 646.143+/-0.104 χ^2/NDF: 607946.5/23

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 663.886+/-0.117 χ^2/NDF:1148354.2/26

Out: 662.308+/-0.113 χ^2/NDF:1057079.0/31

All: 663.070+/-0.081 χ^2/NDF: 2205527.5/58



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -534.727+/-200.522 χ^2/NDF:11.4/12

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 59.871+/-206.377 χ^2/NDF:18.6/10

Left: -245.983+/-143.816 χ^2/NDF: 34.3/23

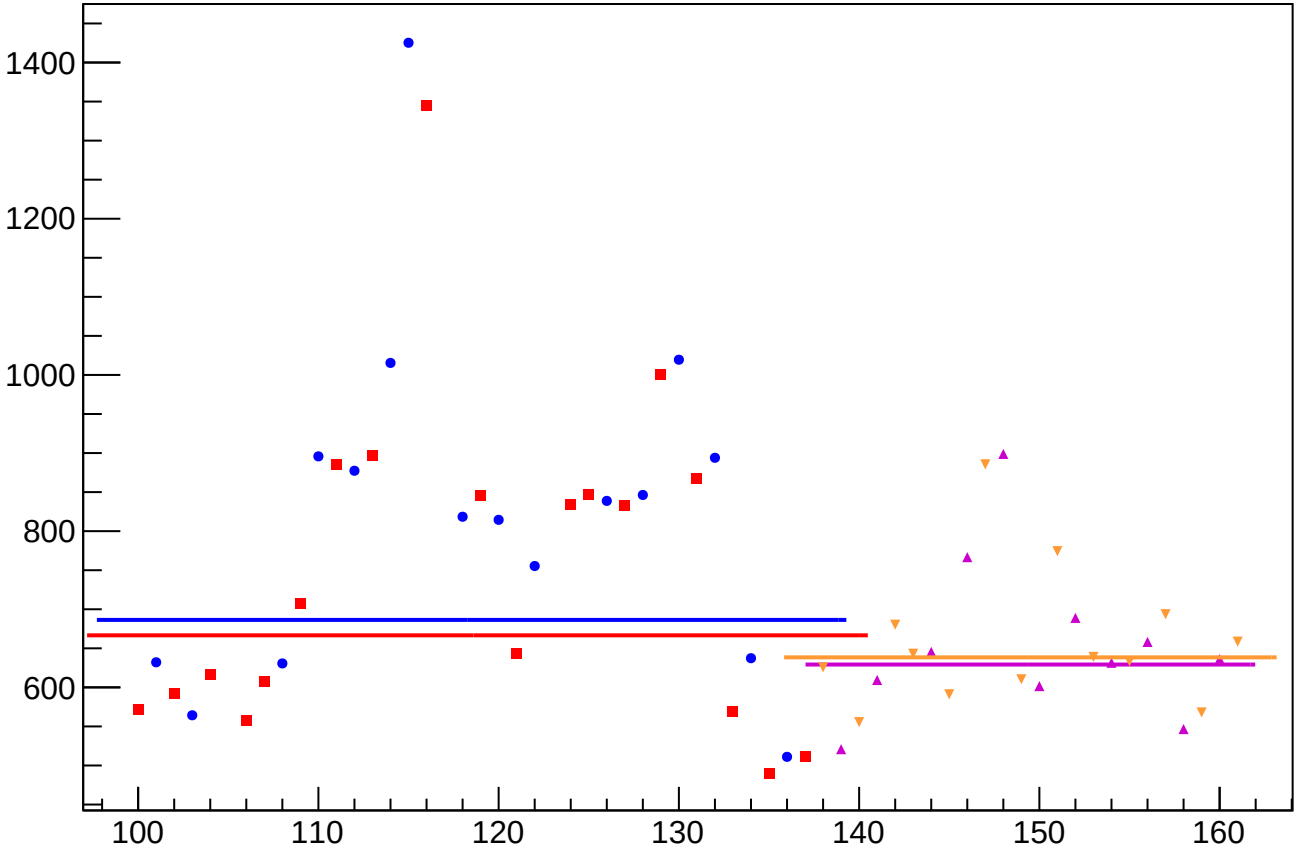
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 160.540+/-162.200 χ^2/NDF:28.9/26

Out: -142.671+/-156.746 χ^2/NDF:40.6/31

All: 3.751+/-112.715 χ^2/NDF: 71.4/58

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 638.436+/-0.142 χ^2/NDF:269492.6/12

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 629.249+/-0.146 χ^2/NDF:338122.9/10

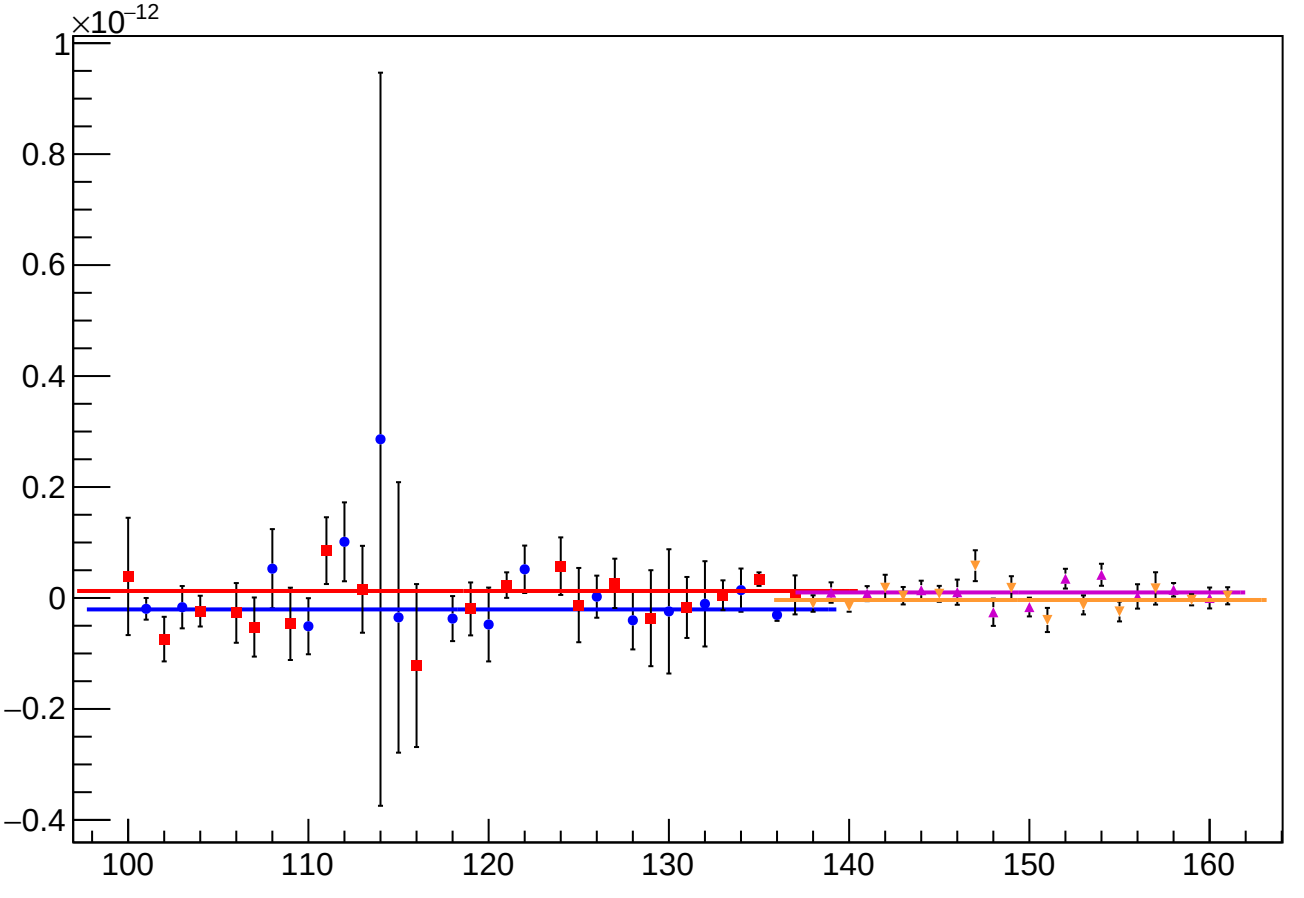
Left: 633.975+/-0.102 χ^2/NDF: 609654.0/23

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.096+/-0.115 χ^2/NDF:1146199.6/26

Out: 649.404+/-0.111 χ^2/NDF:1061909.9/31

All: 650.221+/-0.080 χ^2/NDF: 2208222.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/10

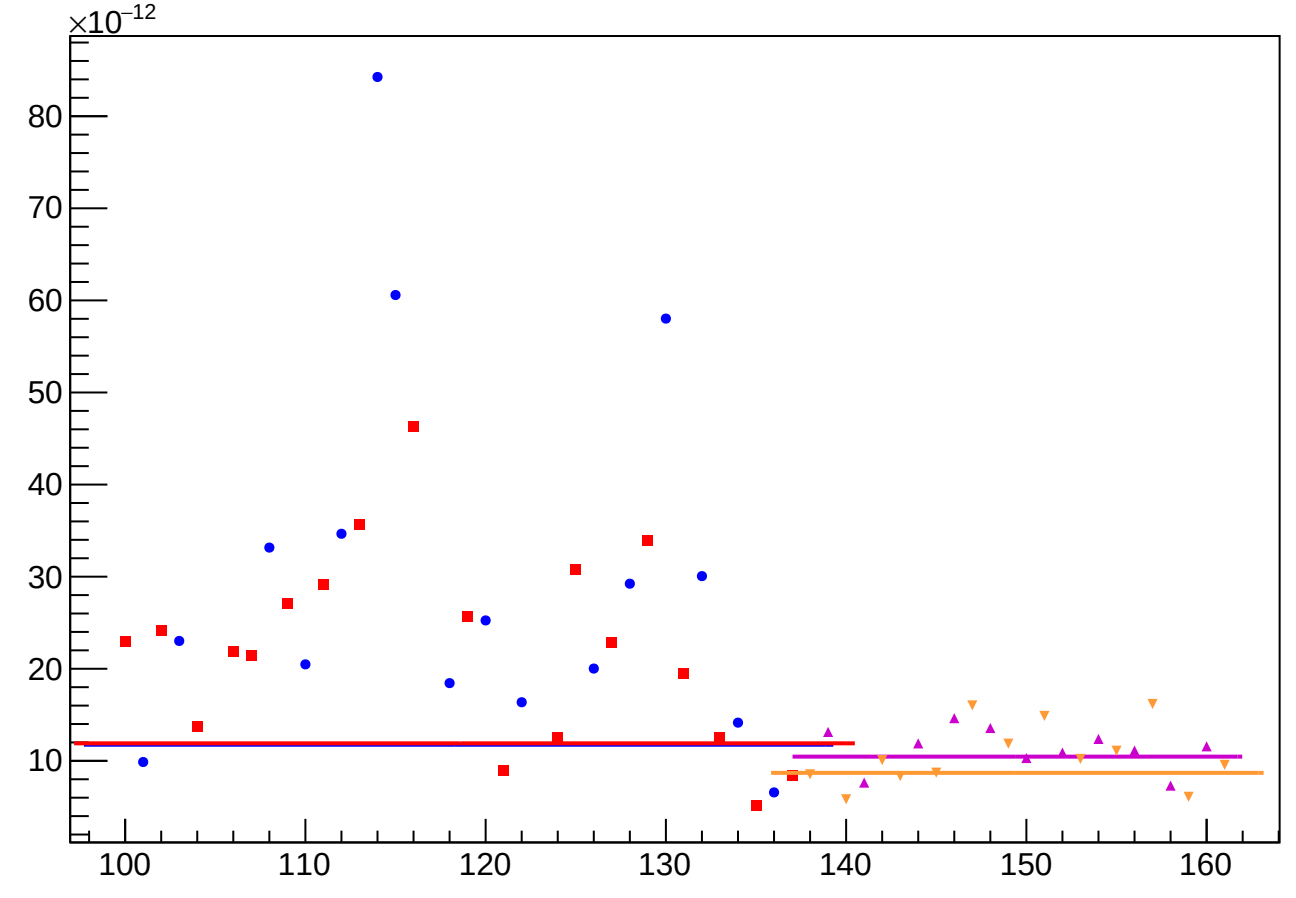
Left: 0.000+/-0.000 χ^2/NDF: 27.9/23

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:30.2/26

Out: 0.000+/-0.000 χ^2/NDF:34.5/31

All: 0.000+/-0.000 χ^2/NDF: 64.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:844427.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

Left In: 0.000+/-0.000 χ^2/NDF:405016.7/10

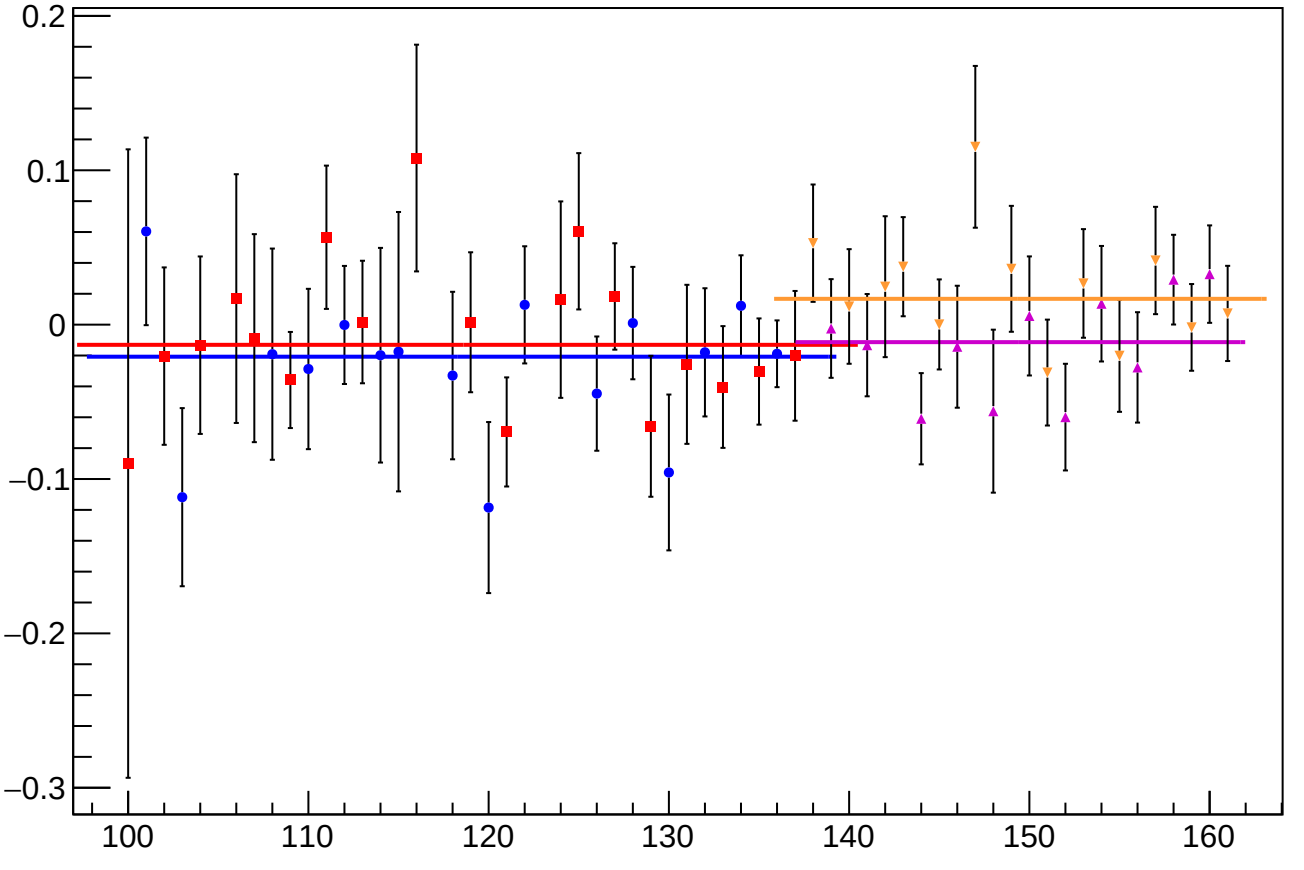
Left: 0.000+/-0.000 χ^2/NDF: 1382685.5/23

Right: 0.000+/-0.000 χ^2/NDF: 4364012.6/34

In: 0.000+/-0.000 χ^2/NDF:2603874.9/26

Out: 0.000+/-0.000 χ^2/NDF:3302429.6/31

All: 0.000+/-0.000 χ^2/NDF: 6025019.1/58



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.011+/-0.010 χ^2/NDF:10.3/10

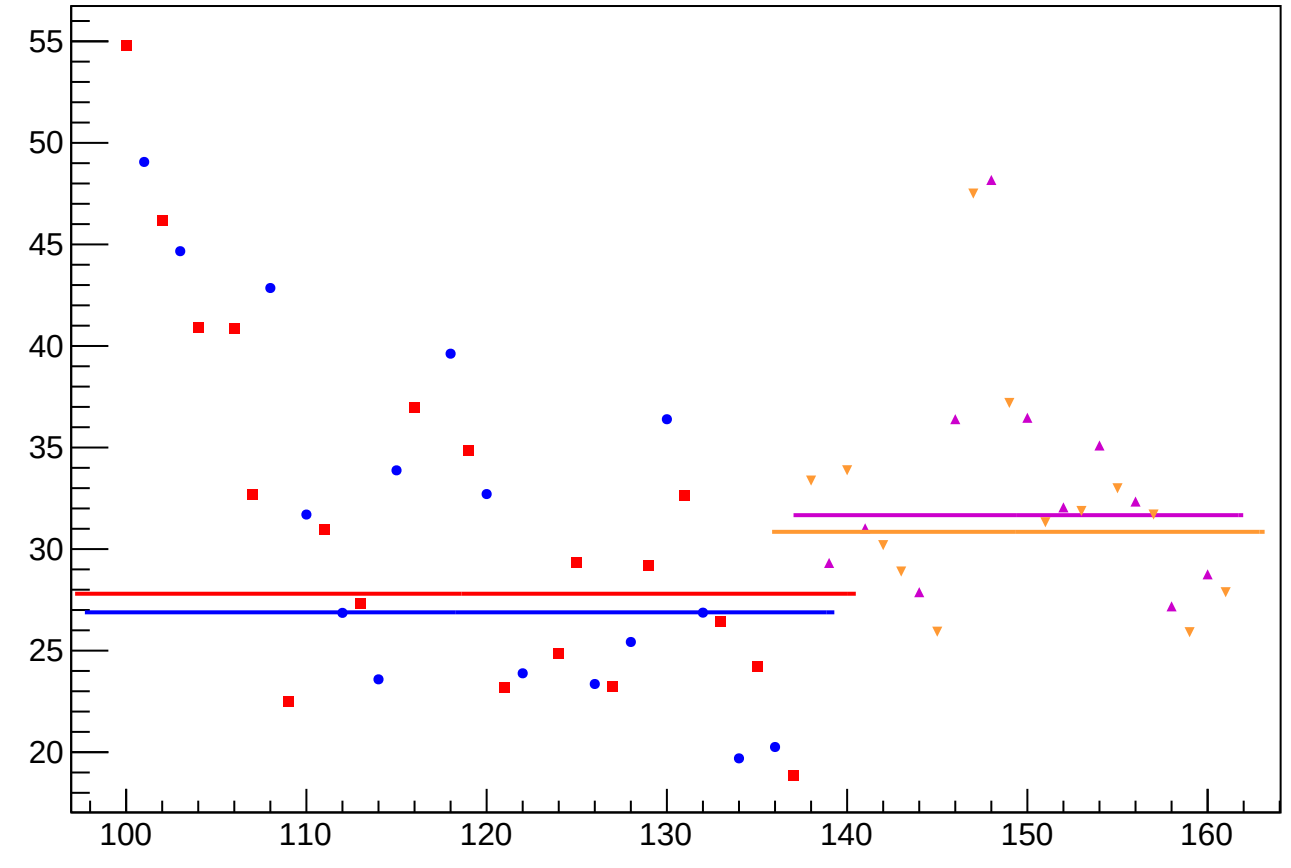
Left: 0.004+/-0.007 χ^2/NDF: 23.7/23

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.8/31

All: -0.006+/-0.005 χ^2/NDF: 54.5/58



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.850+/-0.007 χ^2/NDF:427919.0/12

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.670+/-0.007 χ^2/NDF:382015.4/10

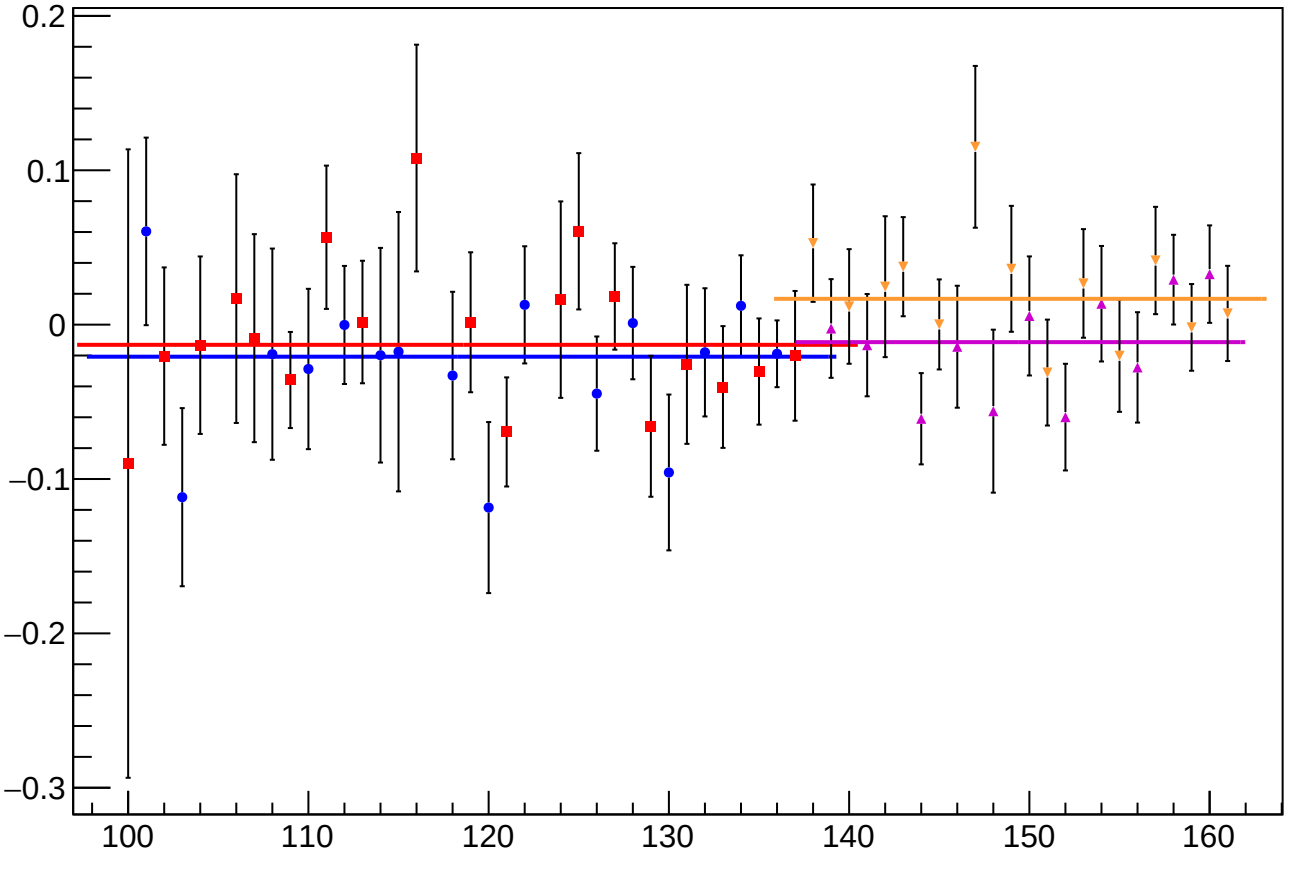
Left: 31.232+/-0.005 χ^2/NDF: 816562.0/23

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.301+/-0.005 χ^2/NDF:1711755.4/26

Out: 29.448+/-0.005 χ^2/NDF:1281337.7/31

All: 29.377+/-0.004 χ^2/NDF: 2993505.1/58



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.011+/-0.010 χ^2/NDF:10.3/10

Left: 0.004+/-0.007 χ^2/NDF: 23.7/23

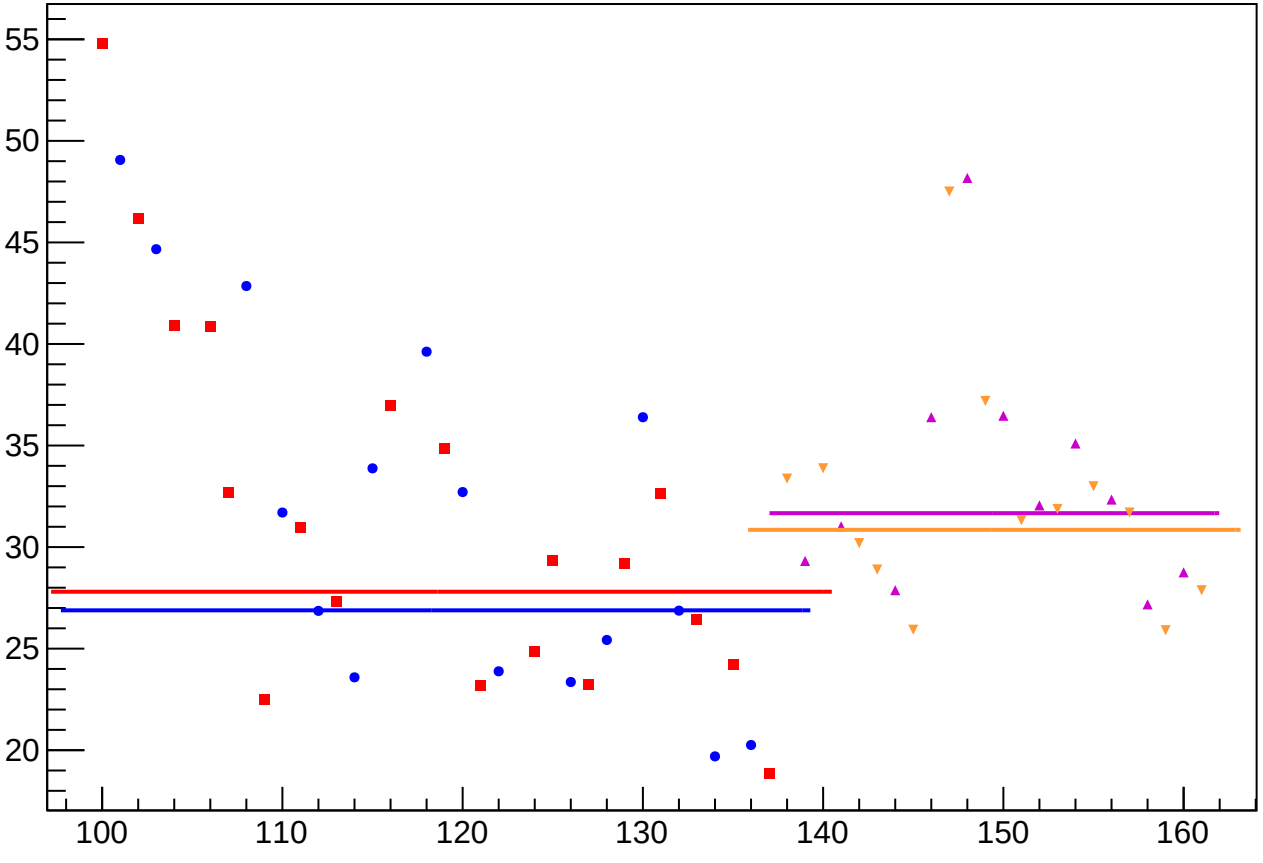
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.8/31

All: -0.006+/-0.005 χ^2/NDF: 54.5/58

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.850+/-0.007 χ^2/NDF:427919.0/12

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.670+/-0.007 χ^2/NDF:382015.4/10

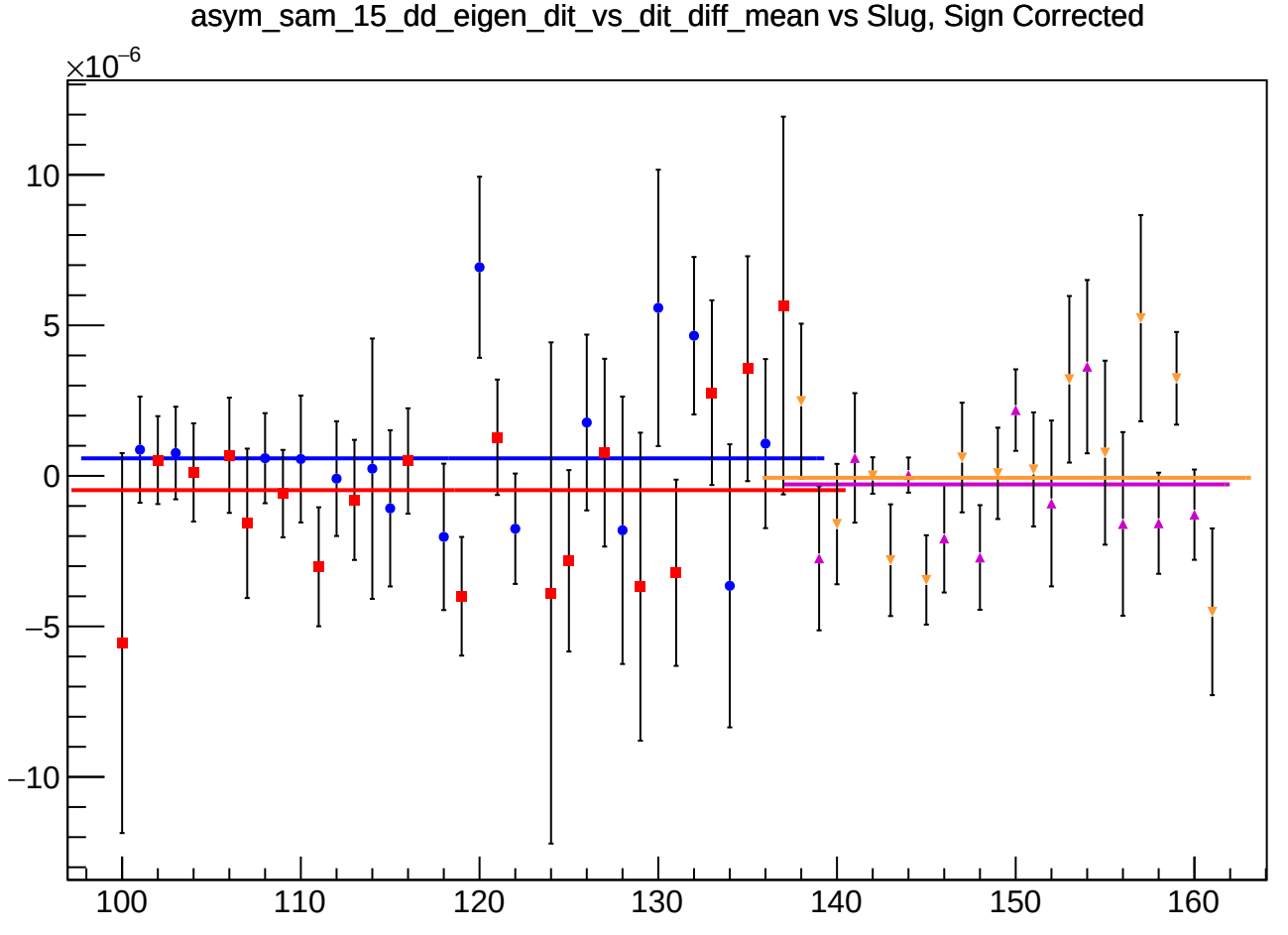
Left: 31.232+/-0.005 χ^2/NDF: 816562.0/23

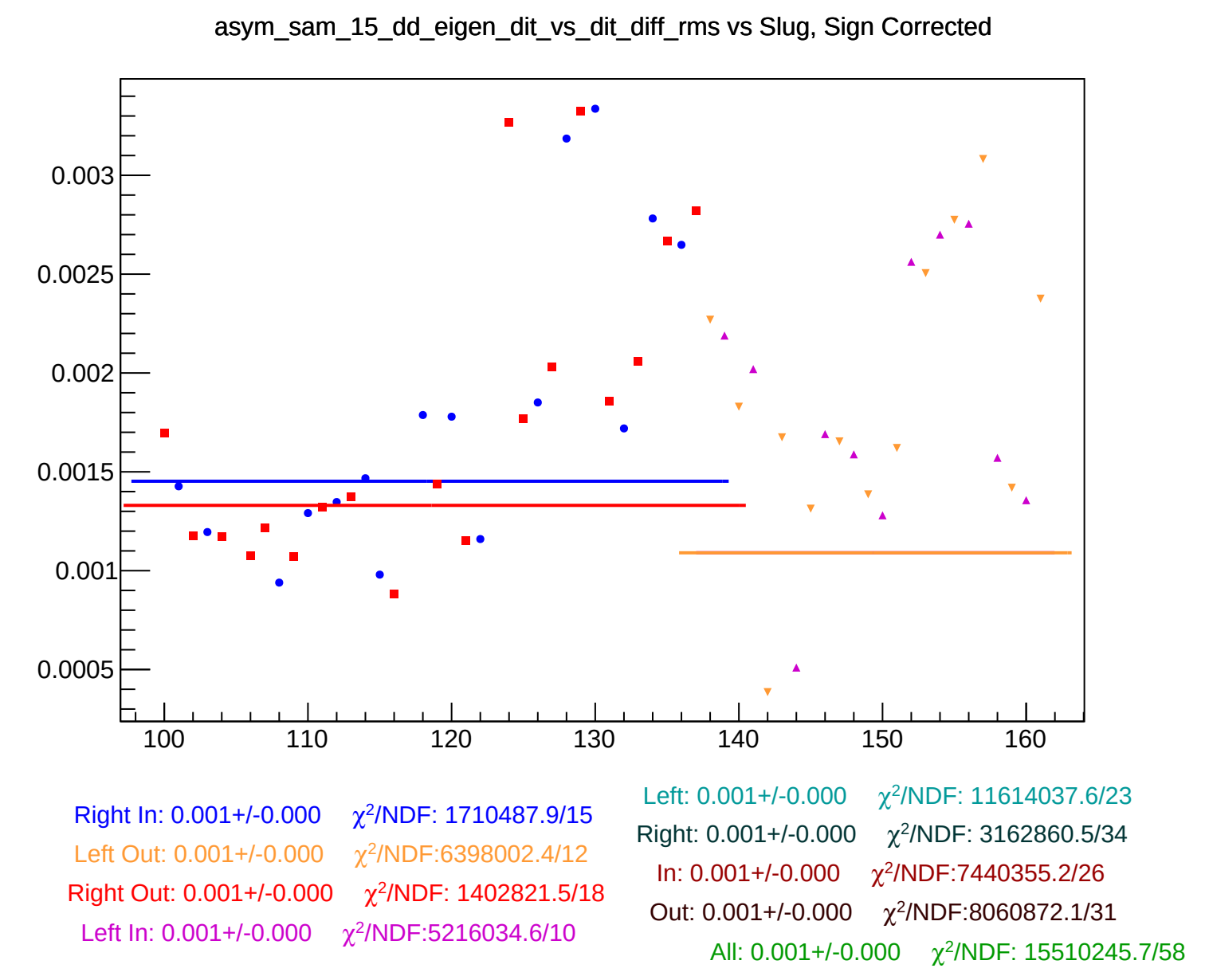
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

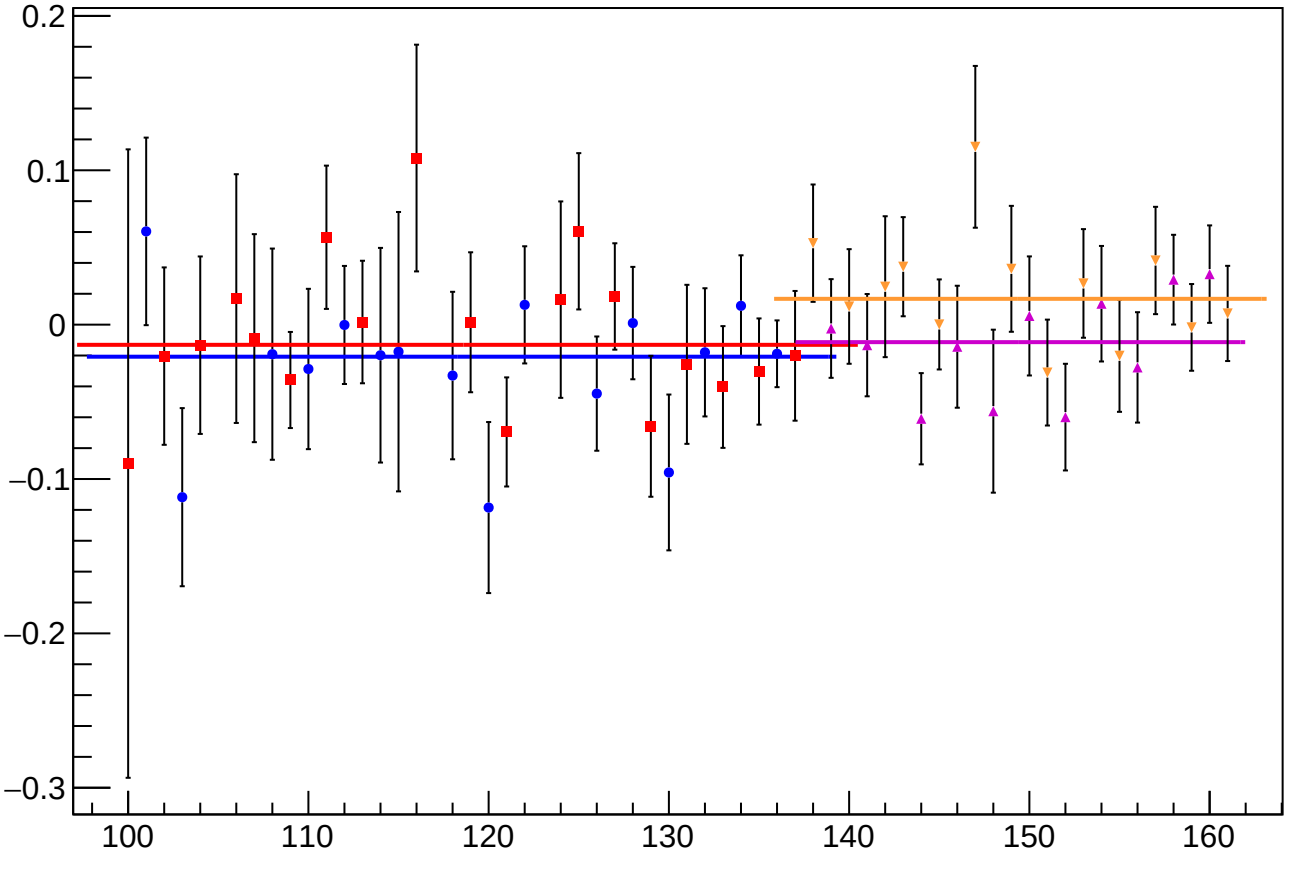
In: 29.301+/-0.005 χ^2/NDF:1711755.4/26

Out: 29.448+/-0.005 χ^2/NDF:1281337.7/31

All: 29.377+/-0.004 χ^2/NDF: 2993505.1/58


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:20.2/12
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.9/10
Left: -0.000+/-0.000 χ²/NDF: 31.3/23
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:25.1/26
Out: -0.000+/-0.000 χ²/NDF:33.8/31
All: -0.000+/-0.000 χ²/NDF: 59.1/58


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6398002.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5216034.6/10
Left: 0.001+/-0.000 χ²/NDF: 11614037.6/23
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:7440355.2/26
Out: 0.001+/-0.000 χ²/NDF:8060872.1/31
All: 0.001+/-0.000 χ²/NDF: 15510245.7/58



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.011+/-0.010 χ^2/NDF:10.3/10

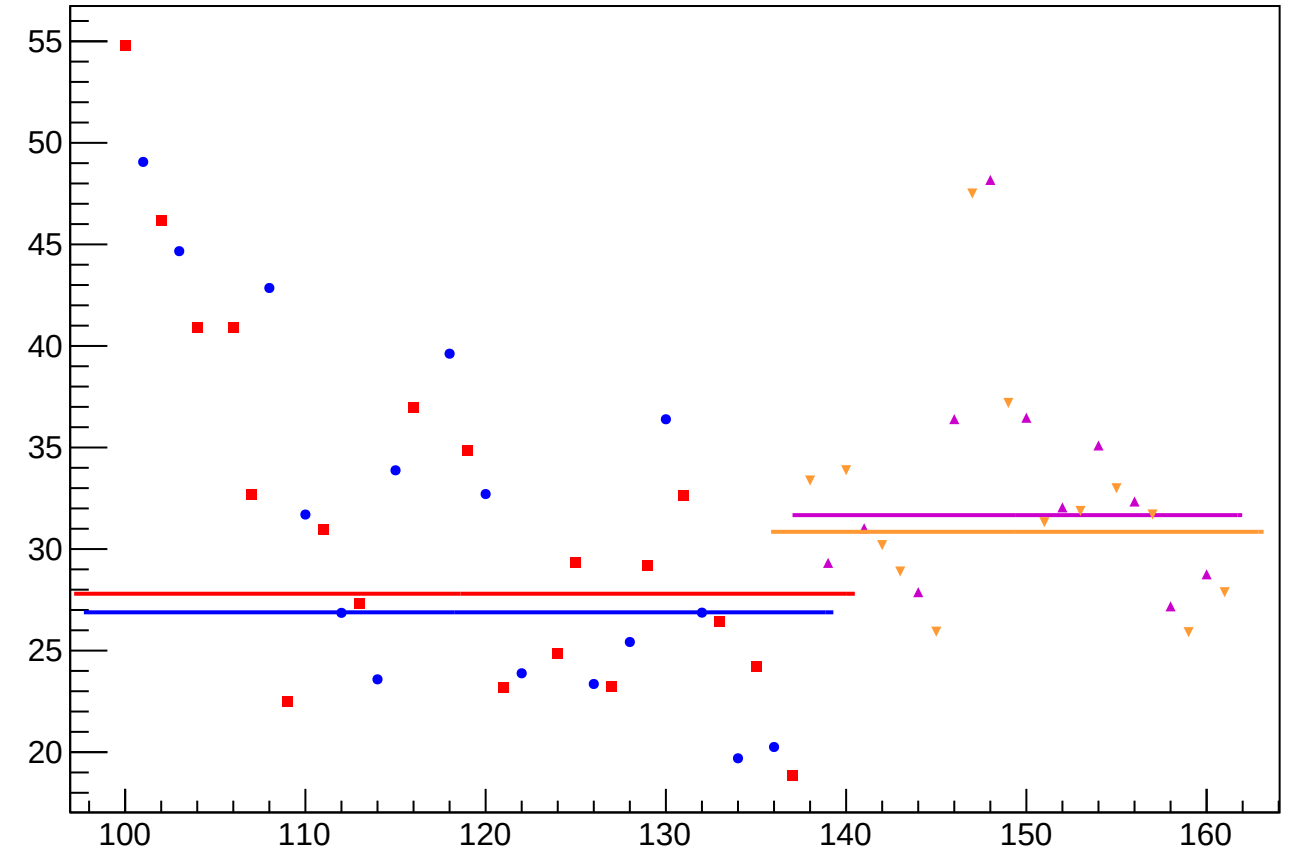
Left: 0.004+/-0.007 χ^2/NDF: 23.7/23

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.8/31

All: -0.006+/-0.005 χ^2/NDF: 54.5/58



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.850+/-0.007 χ^2/NDF:428023.8/12

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.670+/-0.007 χ^2/NDF:382068.1/10

Left: 31.232+/-0.005 χ^2/NDF: 816724.5/23

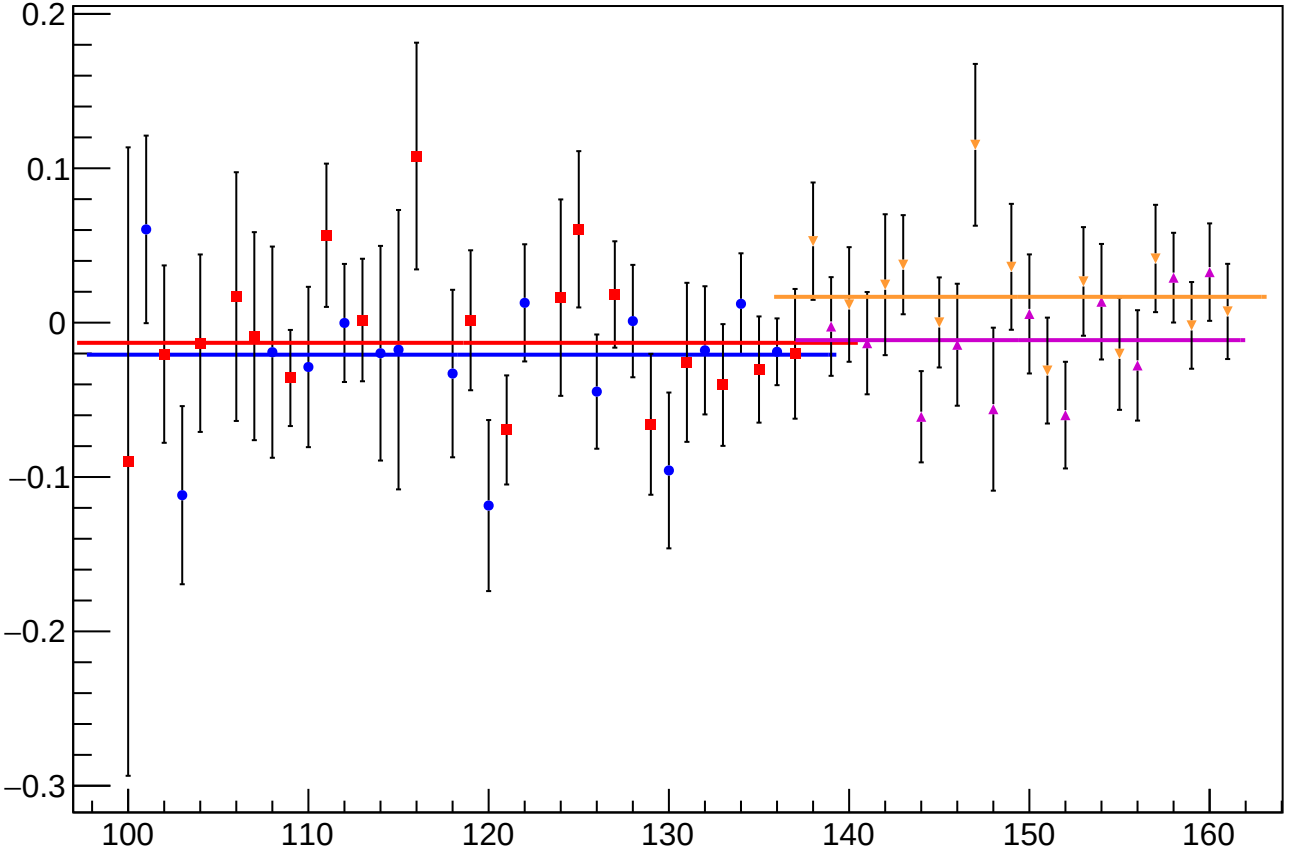
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.300+/-0.005 χ^2/NDF:1711918.6/26

Out: 29.447+/-0.005 χ^2/NDF:1281629.1/31

All: 29.376+/-0.004 χ^2/NDF: 2993957.9/58

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: 0.017+/-0.010 χ^2/NDF:9.5/12

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.011+/-0.010 χ^2/NDF:10.3/10

Left: 0.004+/-0.007 χ^2/NDF: 23.7/23

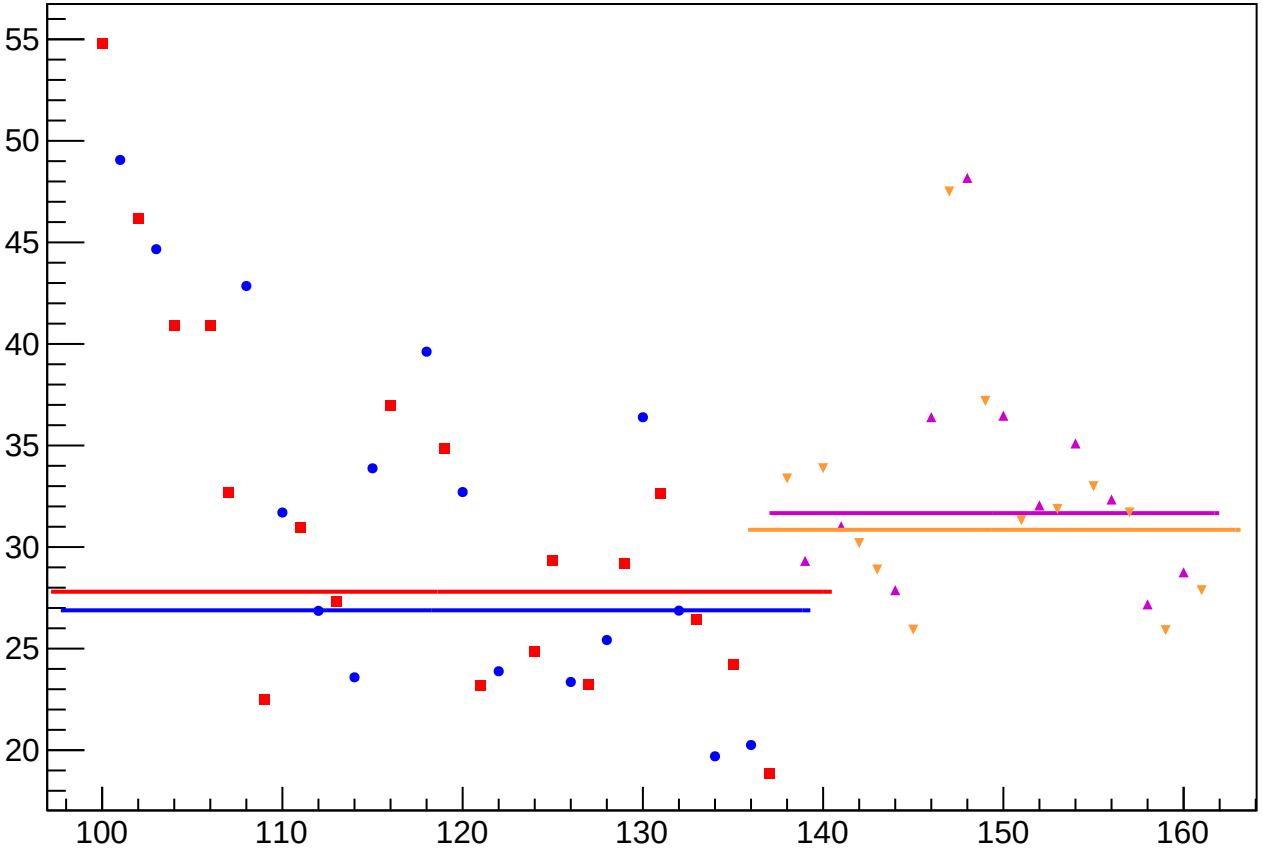
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.016+/-0.007 χ^2/NDF:23.3/26

Out: 0.003+/-0.007 χ^2/NDF:27.8/31

All: -0.006+/-0.005 χ^2/NDF: 54.5/58

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: 30.850+/-0.007 χ^2/NDF:428023.8/12

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.670+/-0.007 χ^2/NDF:382068.1/10

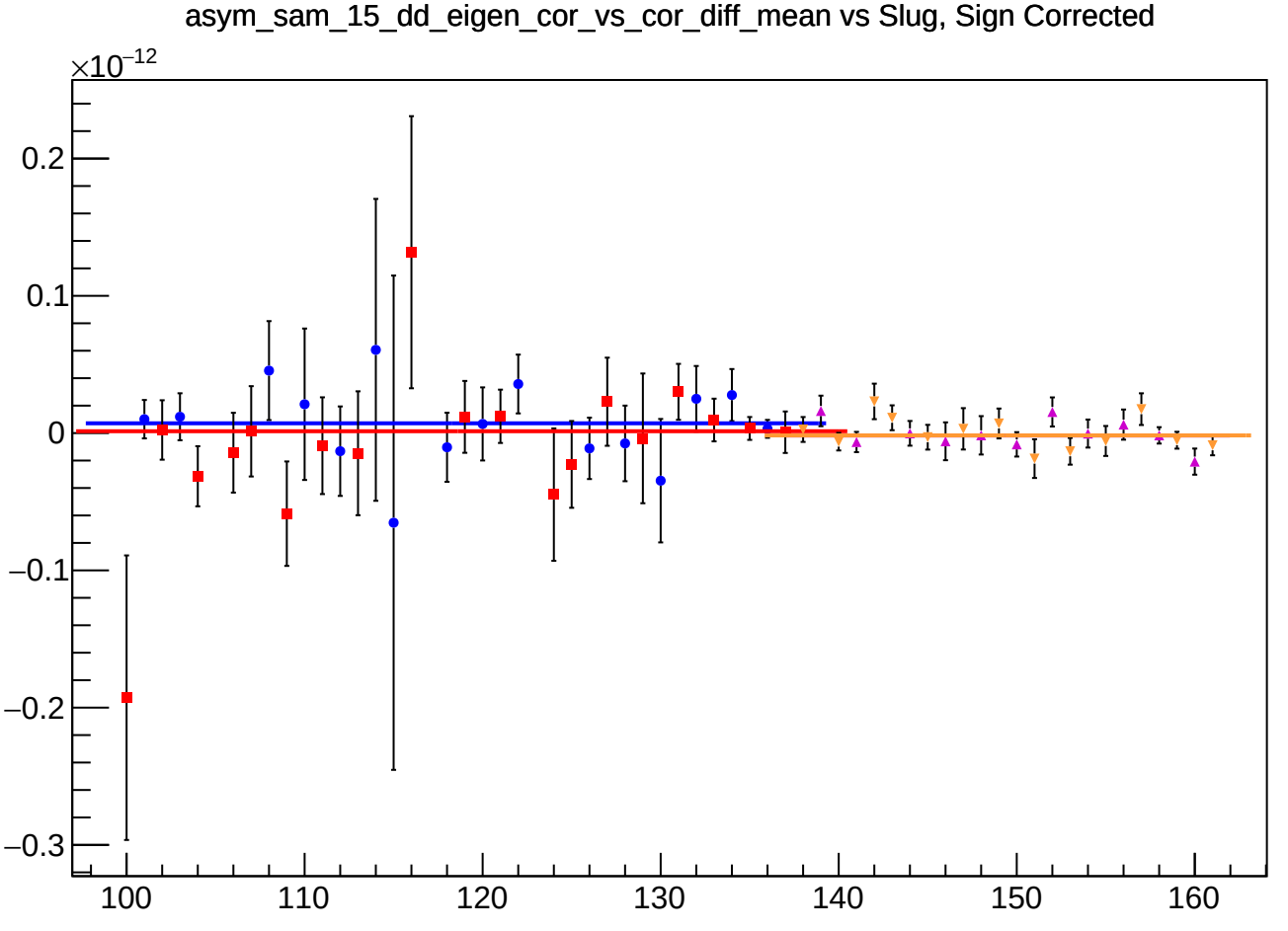
Left: 31.232+/-0.005 χ^2/NDF: 816724.5/23

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.300+/-0.005 χ^2/NDF:1711918.6/26

Out: 29.447+/-0.005 χ^2/NDF:1281629.1/31

All: 29.376+/-0.004 χ^2/NDF: 2993957.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/10

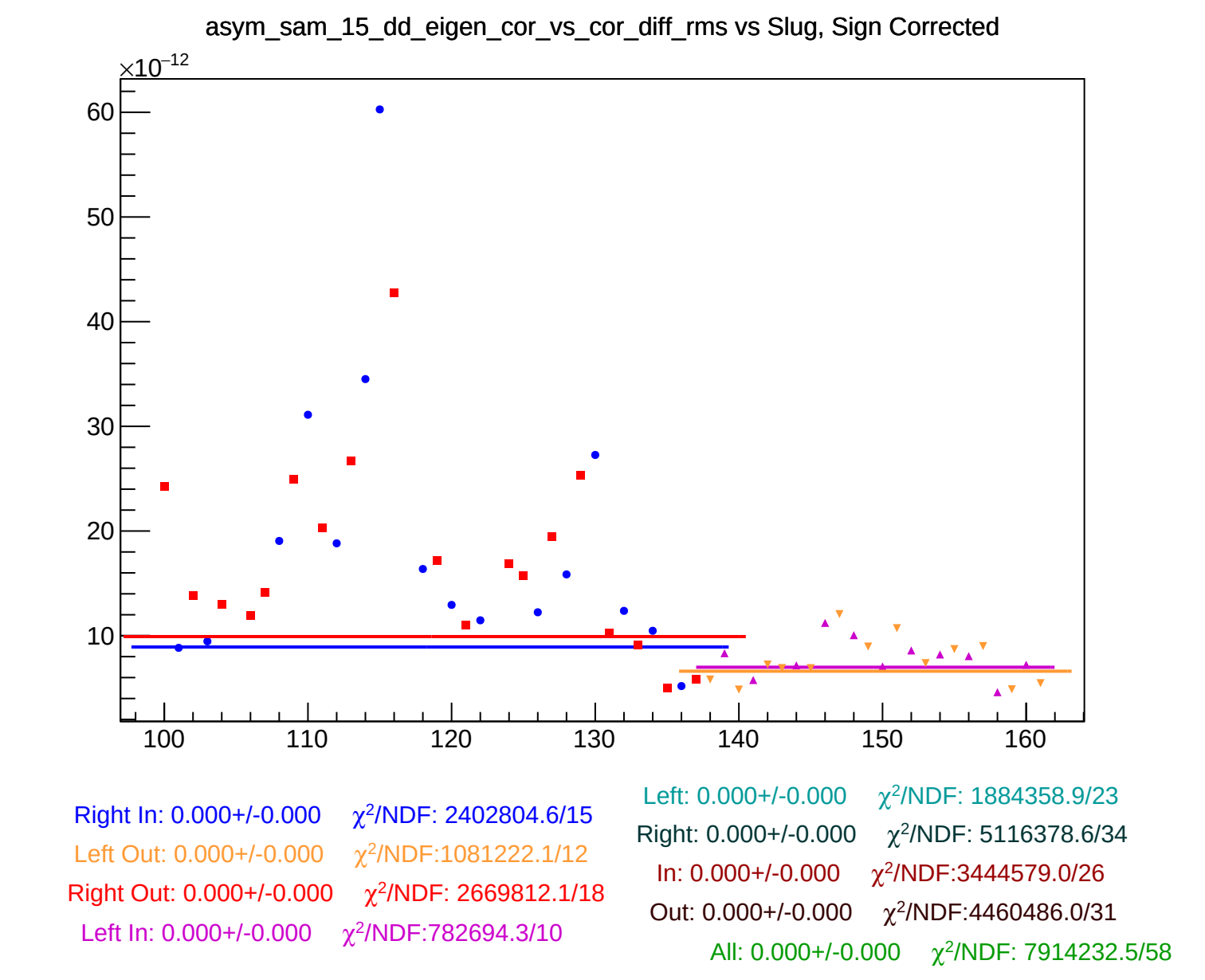
Left: -0.000+/-0.000 χ^2/NDF: 25.0/23

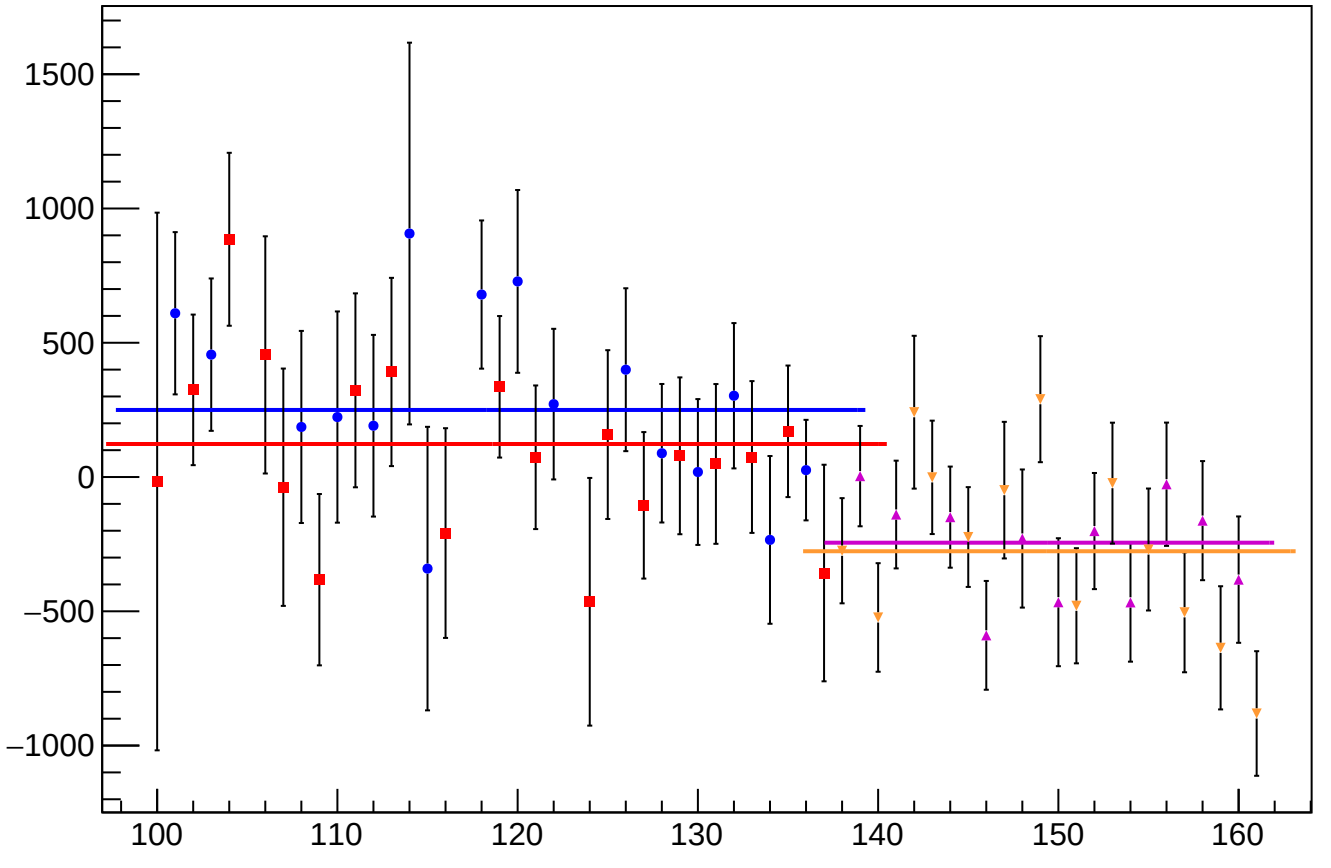
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:21.9/26

Out: -0.000+/-0.000 χ^2/NDF:29.7/31

All: -0.000+/-0.000 χ^2/NDF: 51.9/58


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1081222.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:782694.3/10
Left: 0.000+/-0.000 χ²/NDF: 1884358.9/23
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3444579.0/26
Out: 0.000+/-0.000 χ²/NDF:4460486.0/31
All: 0.000+/-0.000 χ²/NDF: 7914232.5/58



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.350+/-61.267 χ^2/NDF:25.6/12

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -244.539+/-64.811 χ^2/NDF:8.5/10

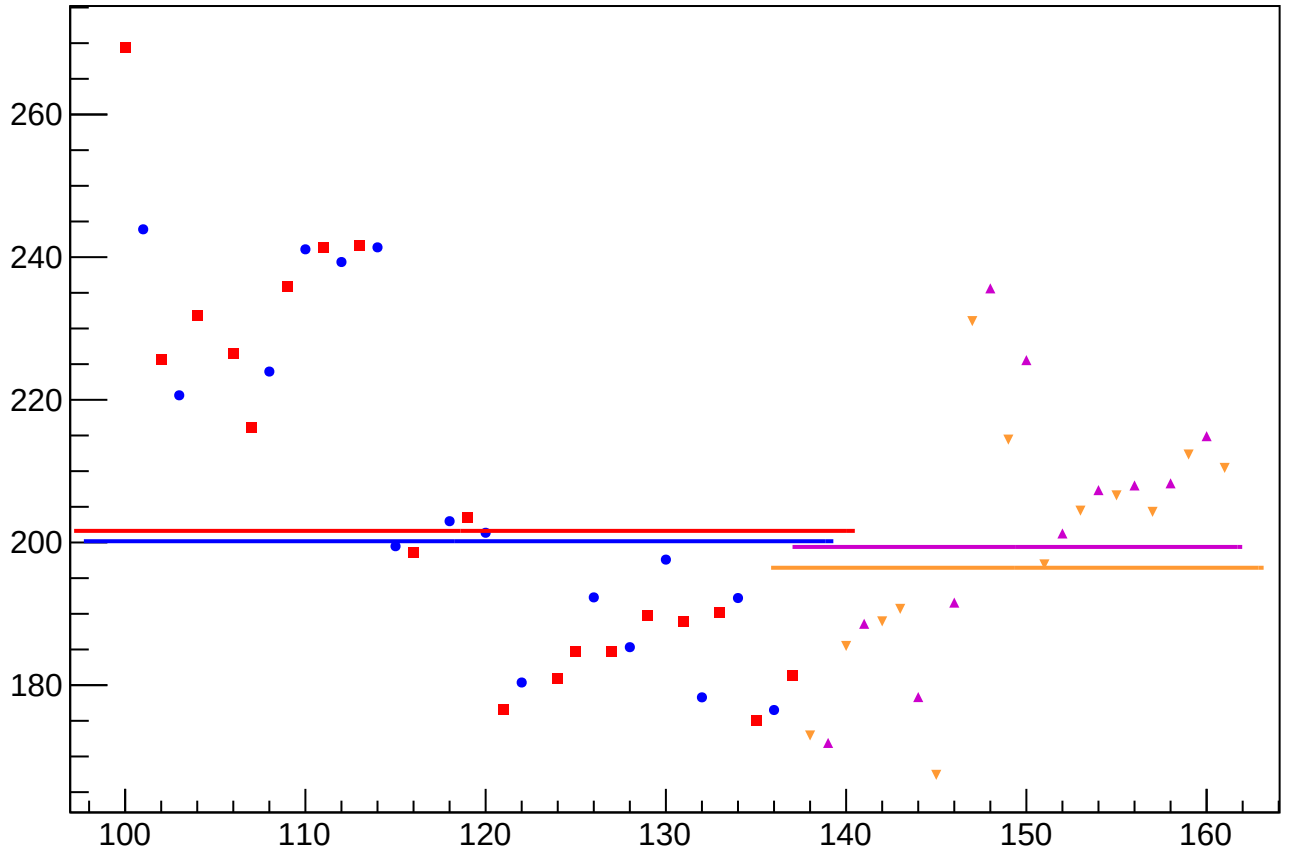
Left: -261.338+/-44.522 χ^2/NDF: 34.3/23

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -114.900+/-47.287 χ^2/NDF:58.4/31

All: -75.325+/-34.028 χ^2/NDF: 107.0/58



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

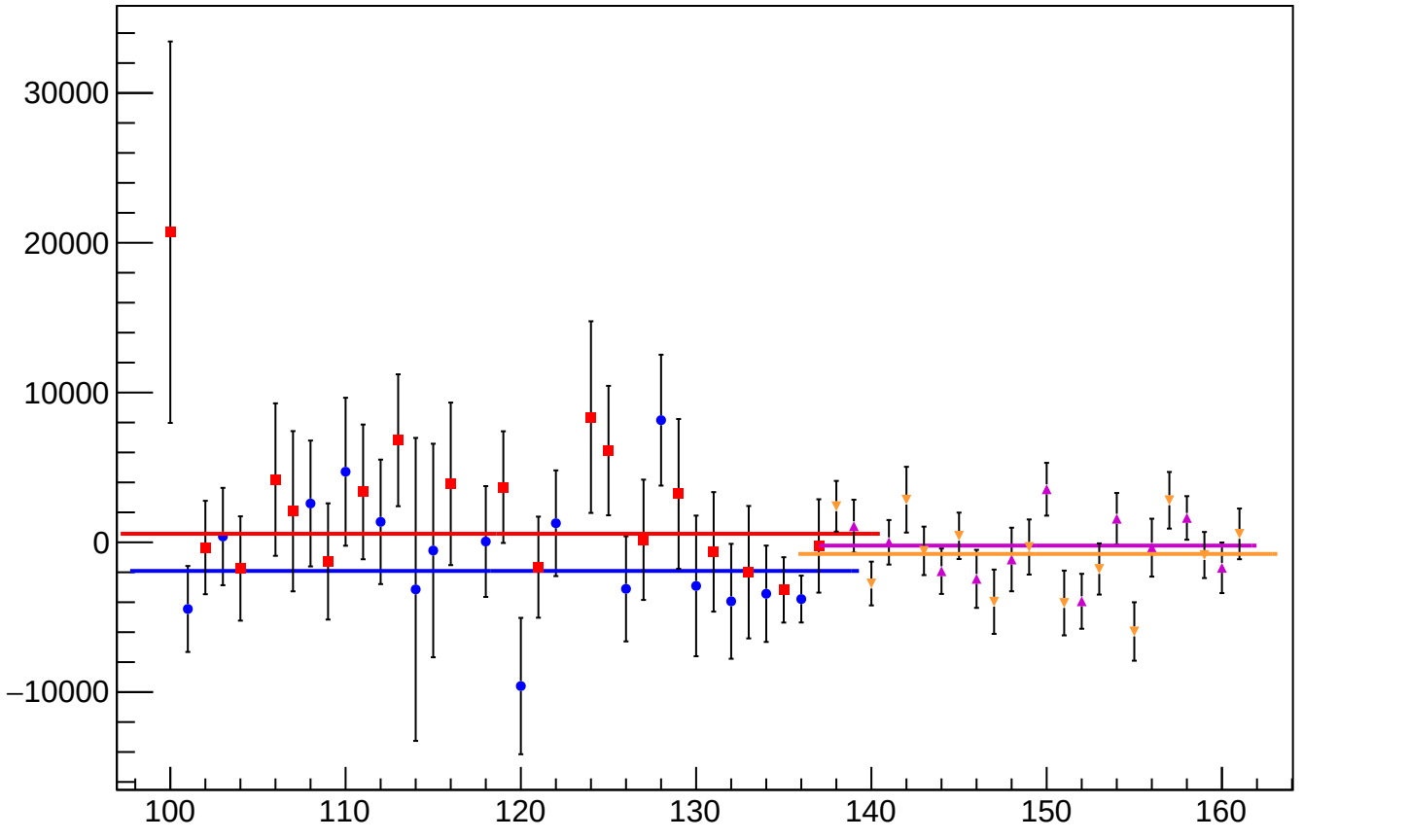
Left: 197.835+/-0.031 χ^2/NDF: 321484.4/23

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.719+/-0.035 χ^2/NDF:339520.7/26

Out: 198.548+/-0.033 χ^2/NDF:363956.1/31

All: 199.112+/-0.024 χ^2/NDF: 704068.8/58



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -775.430+/-487.557 χ^2/NDF:24.9/12

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -219.168+/-516.839 χ^2/NDF:15.5/10

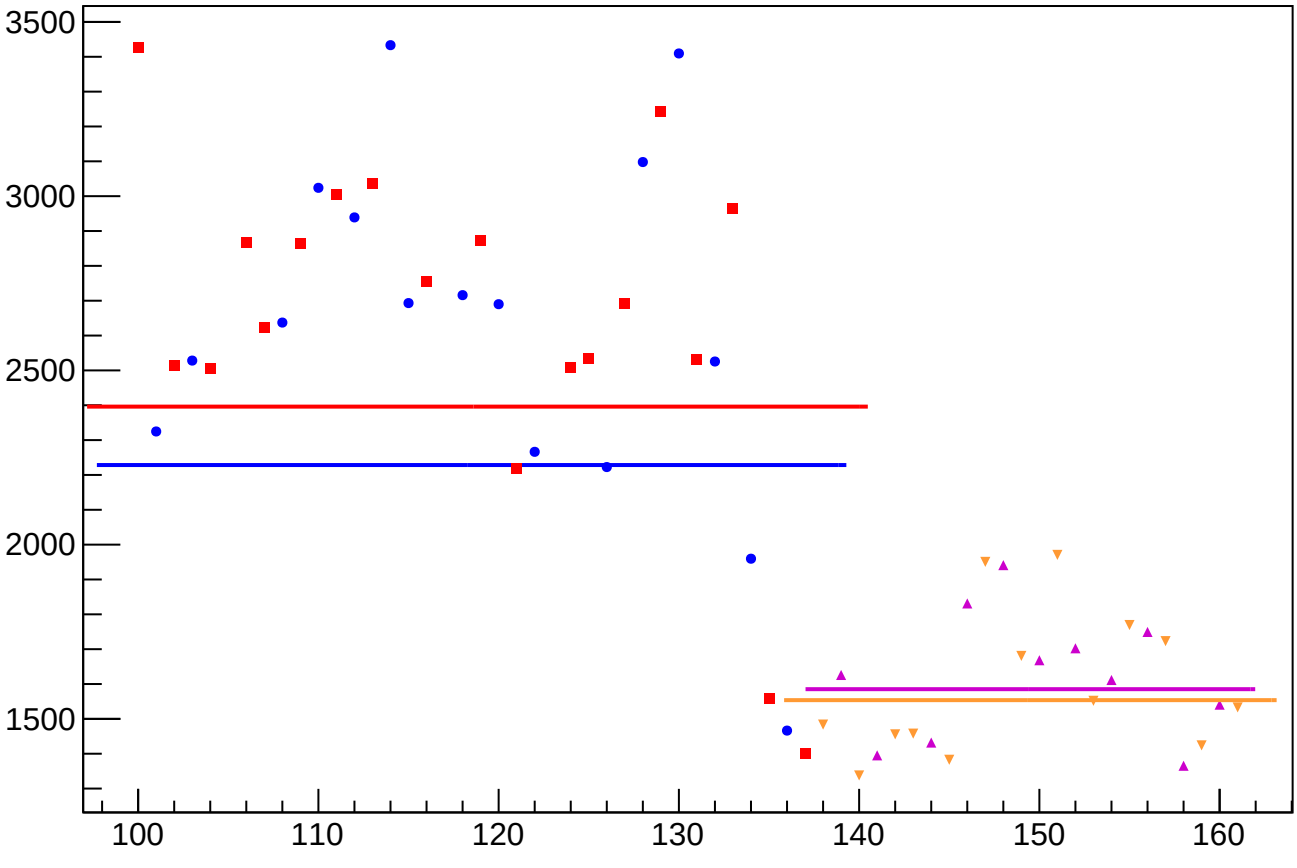
Left: -513.503+/-354.655 χ^2/NDF: 41.0/23

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -668.604+/-442.870 χ^2/NDF:34.6/26

Out: -470.192+/-428.742 χ^2/NDF:41.3/31

All: -566.183+/-308.040 χ^2/NDF: 75.9/58



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1553.735+/-0.345 χ^2/NDF:289800.3/12

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1585.233+/-0.365 χ^2/NDF:217161.2/10

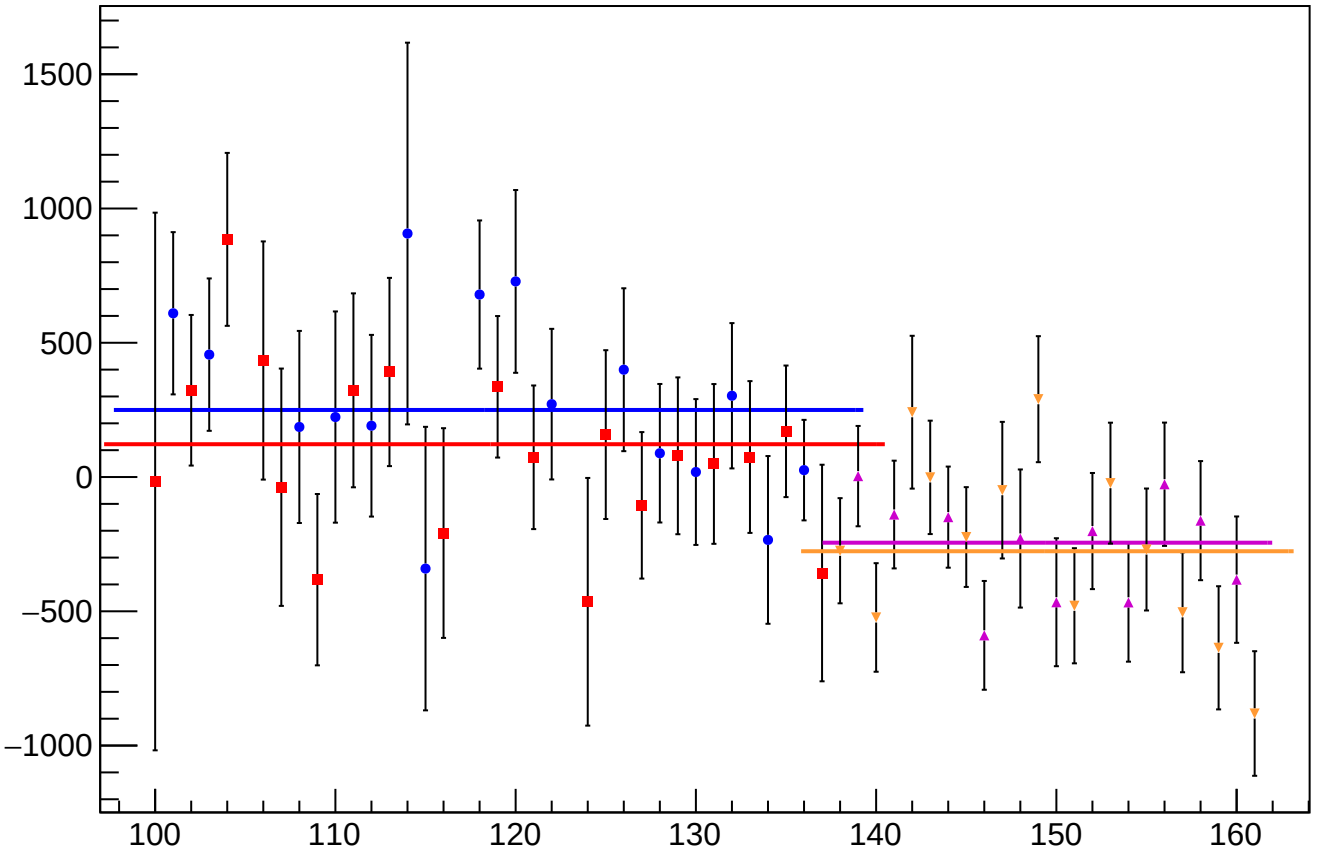
Left: 1568.566+/-0.251 χ^2/NDF: 510891.9/23

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1756.164+/-0.313 χ^2/NDF:1987982.3/26

Out: 1744.704+/-0.303 χ^2/NDF:2442658.1/31

All: 1750.248+/-0.218 χ^2/NDF: 4431331.8/58



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.339+/-61.267 χ^2/NDF:25.6/12

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -244.542+/-64.811 χ^2/NDF:8.5/10

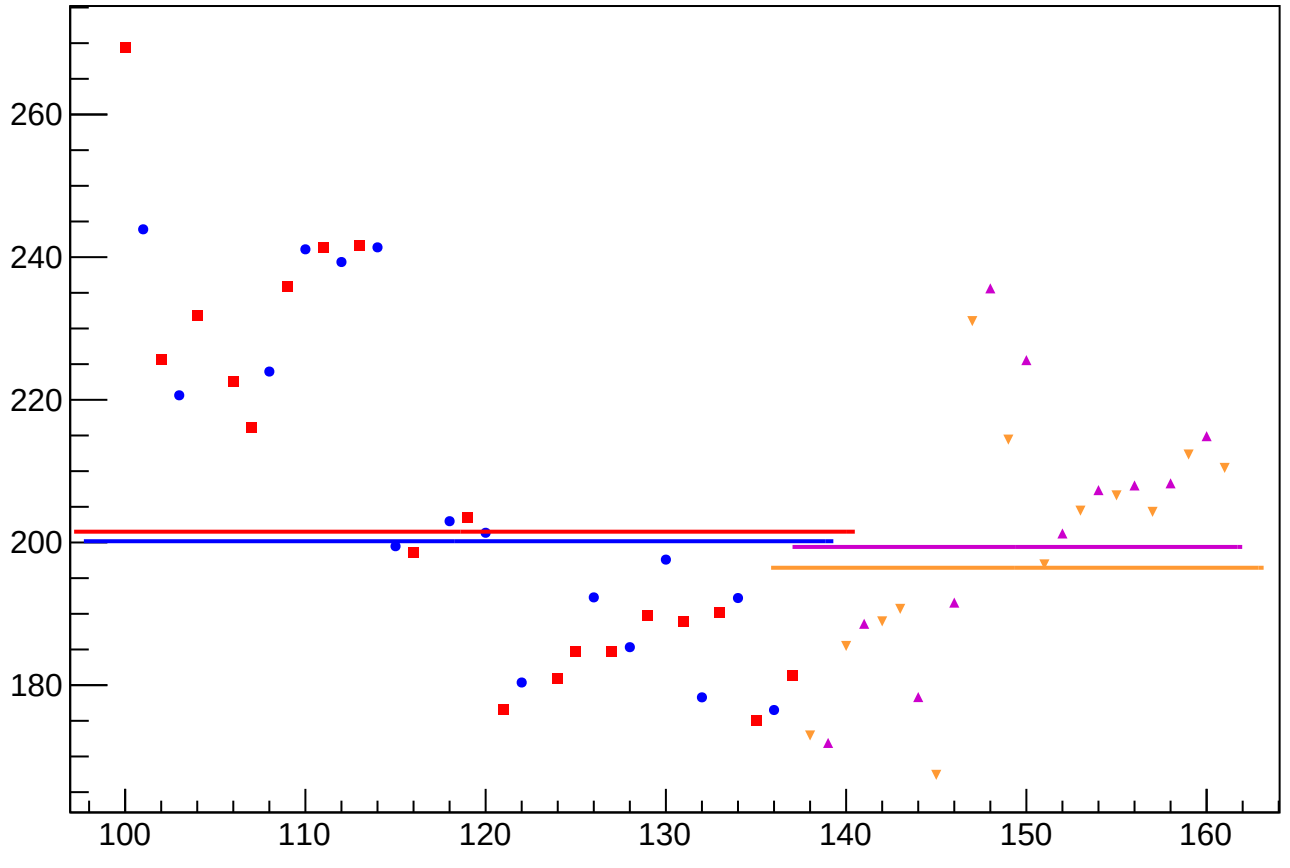
Left: -261.334+/-44.522 χ^2/NDF: 34.3/23

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -115.237+/-47.290 χ^2/NDF:58.2/31

All: -75.497+/-34.029 χ^2/NDF: 106.9/58



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

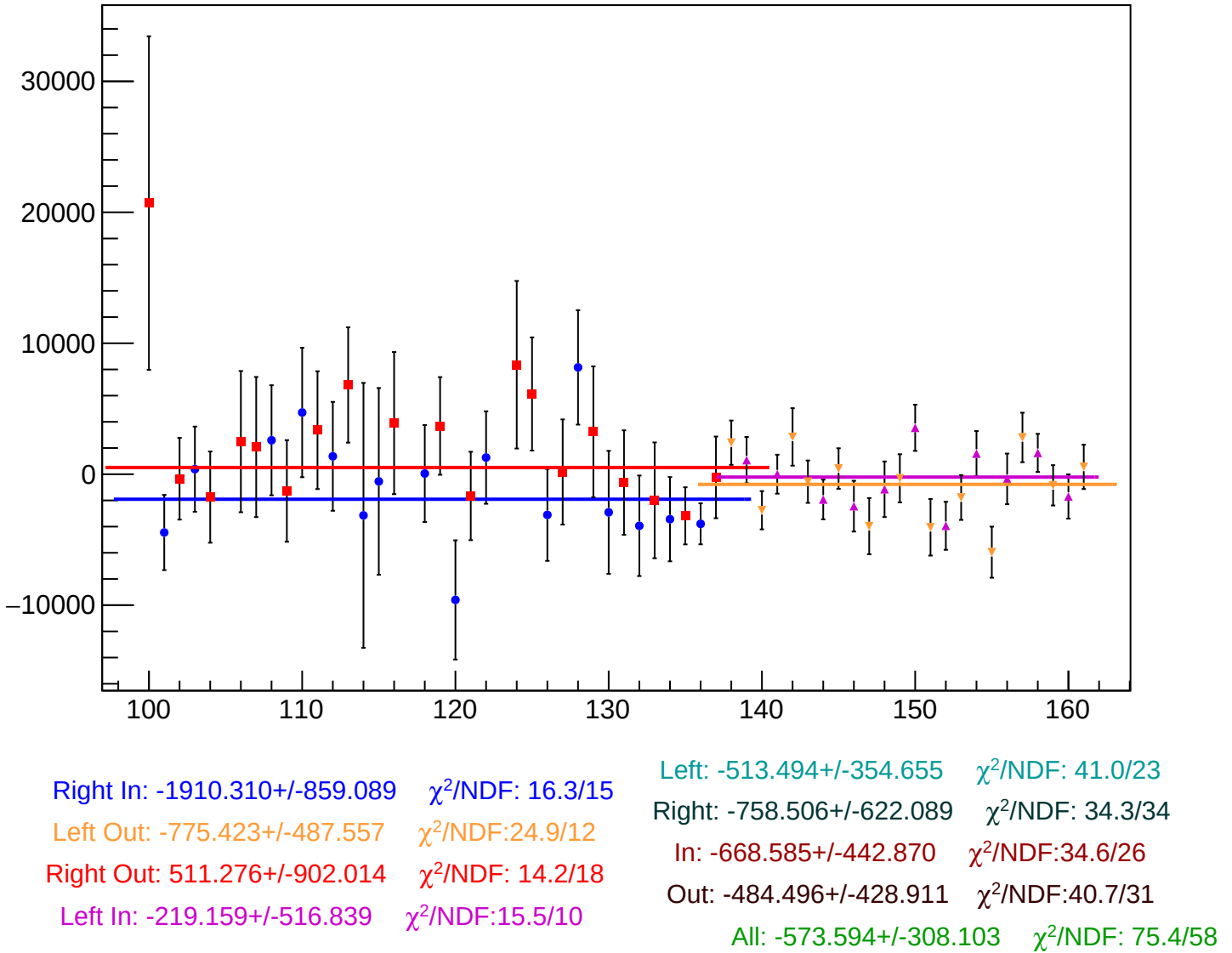
Left: 197.835+/-0.031 χ^2/NDF: 321484.4/23

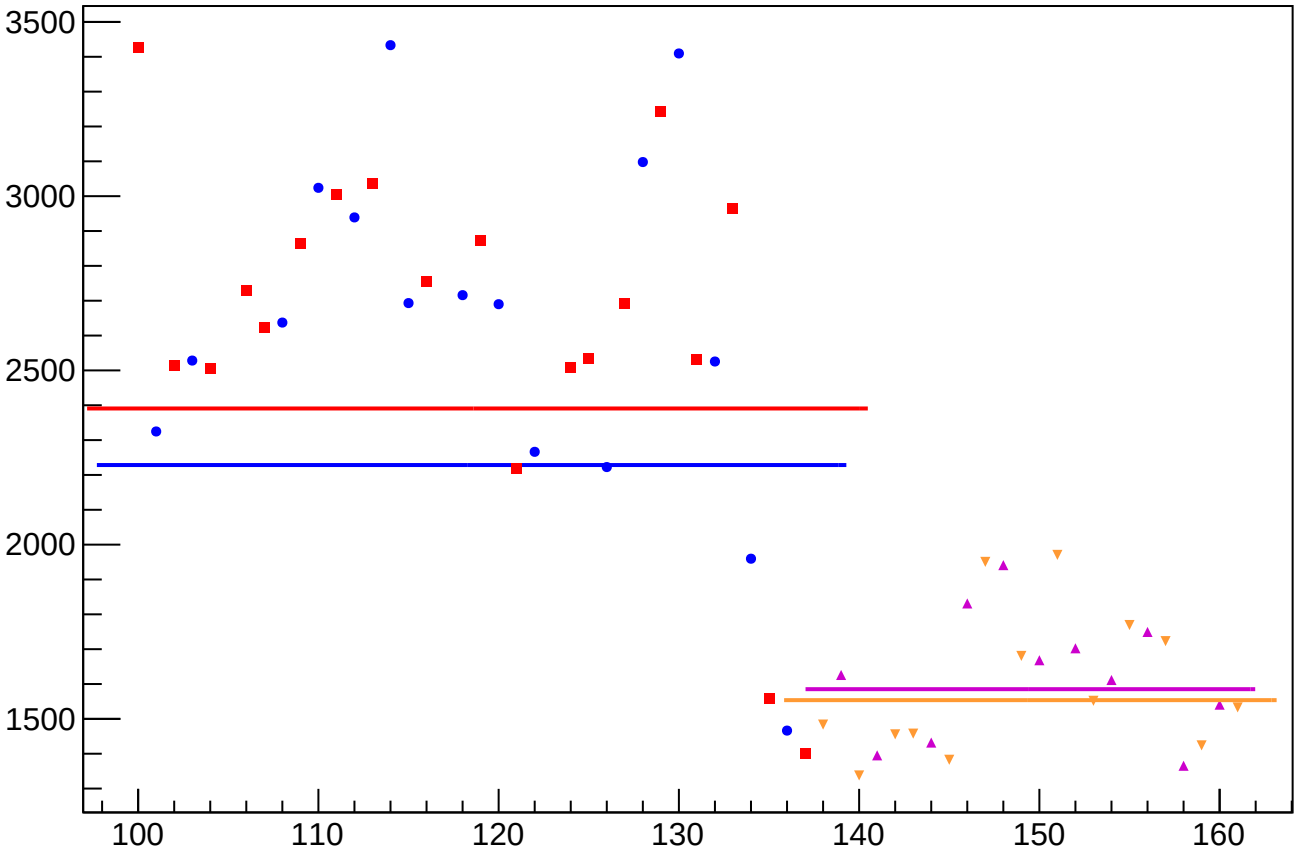
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.719+/-0.035 χ^2/NDF:339521.0/26

Out: 198.502+/-0.033 χ^2/NDF:361892.3/31

All: 199.089+/-0.024 χ^2/NDF: 702052.5/58


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -775.423+/-487.557 χ²/NDF:24.9/12
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -219.159+/-516.839 χ²/NDF:15.5/10
Left: -513.494+/-354.655 χ²/NDF: 41.0/23
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -668.585+/-442.870 χ²/NDF:34.6/26
Out: -484.496+/-428.911 χ²/NDF:40.7/31
All: -573.594+/-308.103 χ²/NDF: 75.4/58



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.736+/-0.345 χ^2/NDF:289800.7/12

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

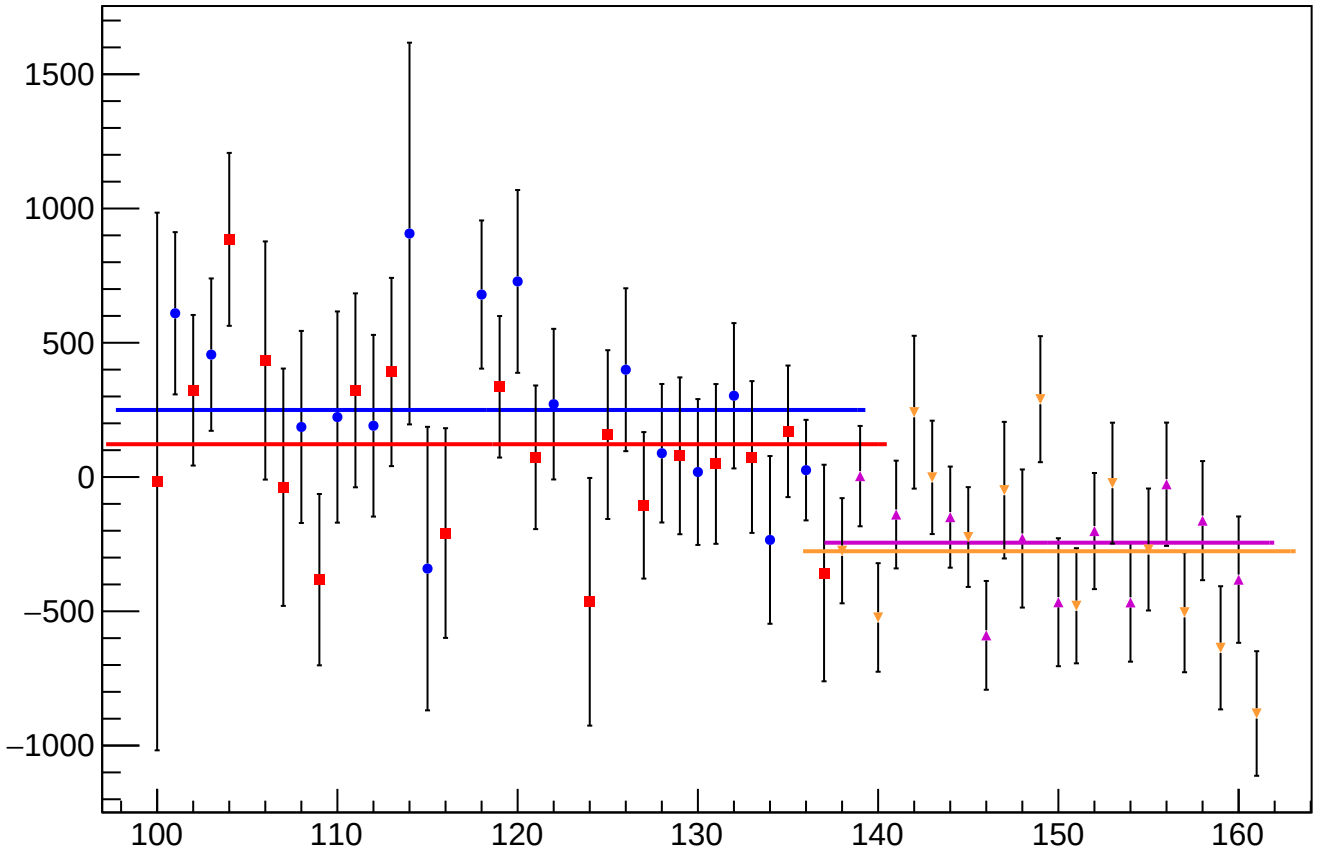
Left: 1568.567+/-0.251 χ^2/NDF: 510892.4/23

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1756.165+/-0.313 χ^2/NDF:1987992.6/26

Out: 1742.983+/-0.303 χ^2/NDF:2412505.1/31

All: 1749.363+/-0.218 χ^2/NDF: 4401412.1/58



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.339+/-61.267 χ^2/NDF:25.6/12

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -244.542+/-64.811 χ^2/NDF:8.5/10

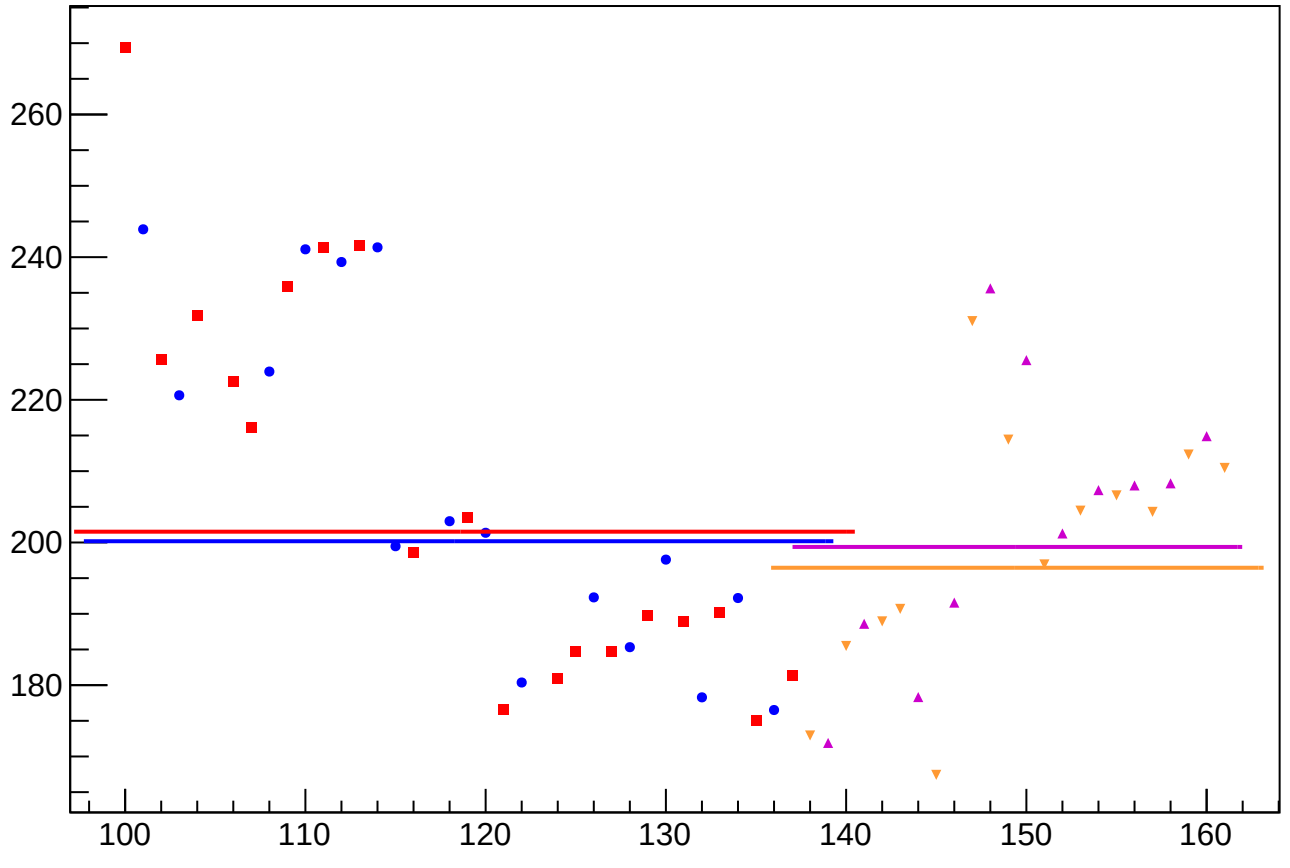
Left: -261.334+/-44.522 χ^2/NDF: 34.3/23

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -32.824+/-49.004 χ^2/NDF:47.2/26

Out: -115.237+/-47.290 χ^2/NDF:58.2/31

All: -75.497+/-34.029 χ^2/NDF: 106.9/58



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

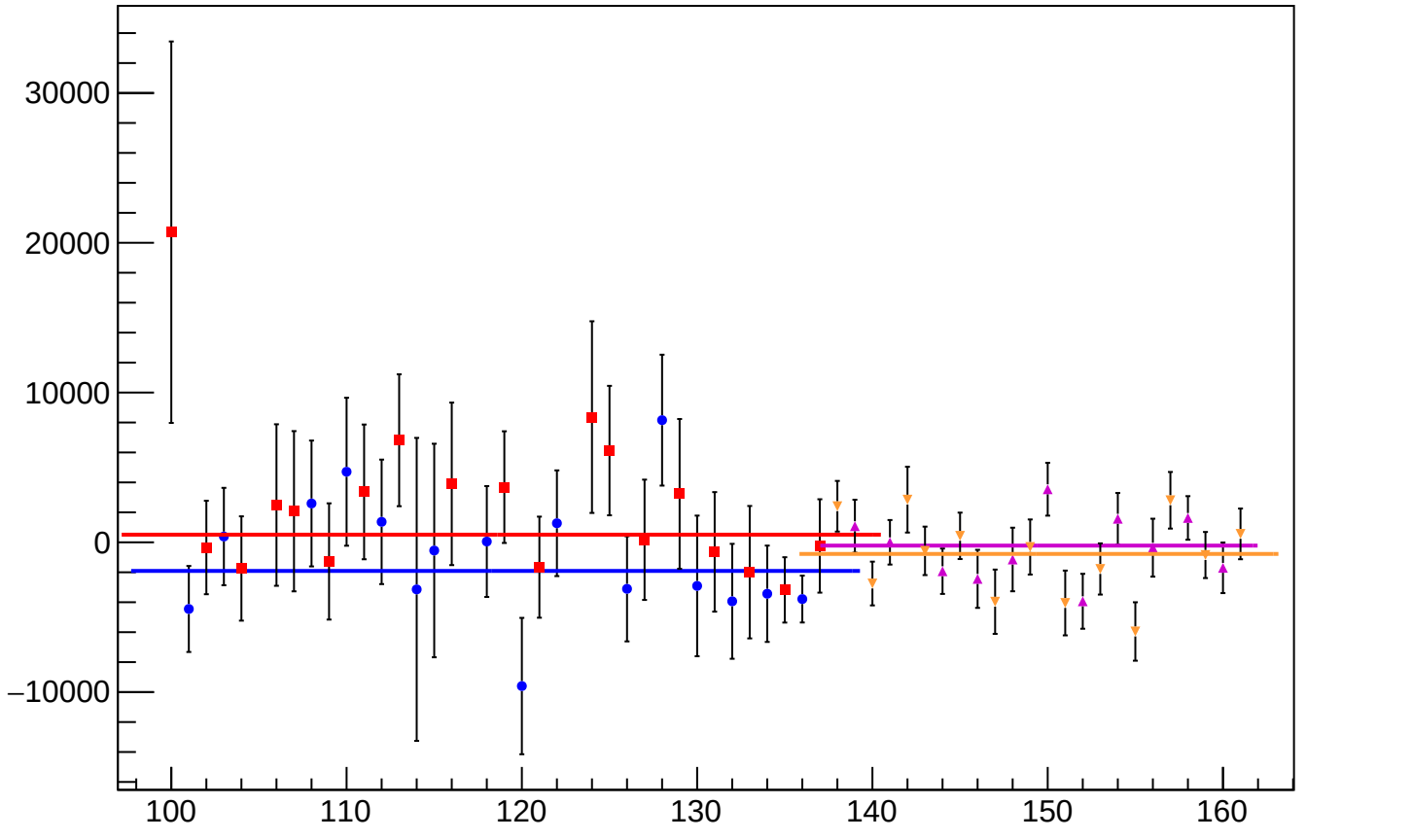
Left: 197.835+/-0.031 χ^2/NDF: 321484.4/23

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.719+/-0.035 χ^2/NDF:339521.0/26

Out: 198.502+/-0.033 χ^2/NDF:361892.3/31

All: 199.089+/-0.024 χ^2/NDF: 702052.5/58



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -775.423+/-487.557 χ^2/NDF:24.9/12

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -219.159+/-516.839 χ^2/NDF:15.5/10

Left: -513.494+/-354.655 χ^2/NDF: 41.0/23

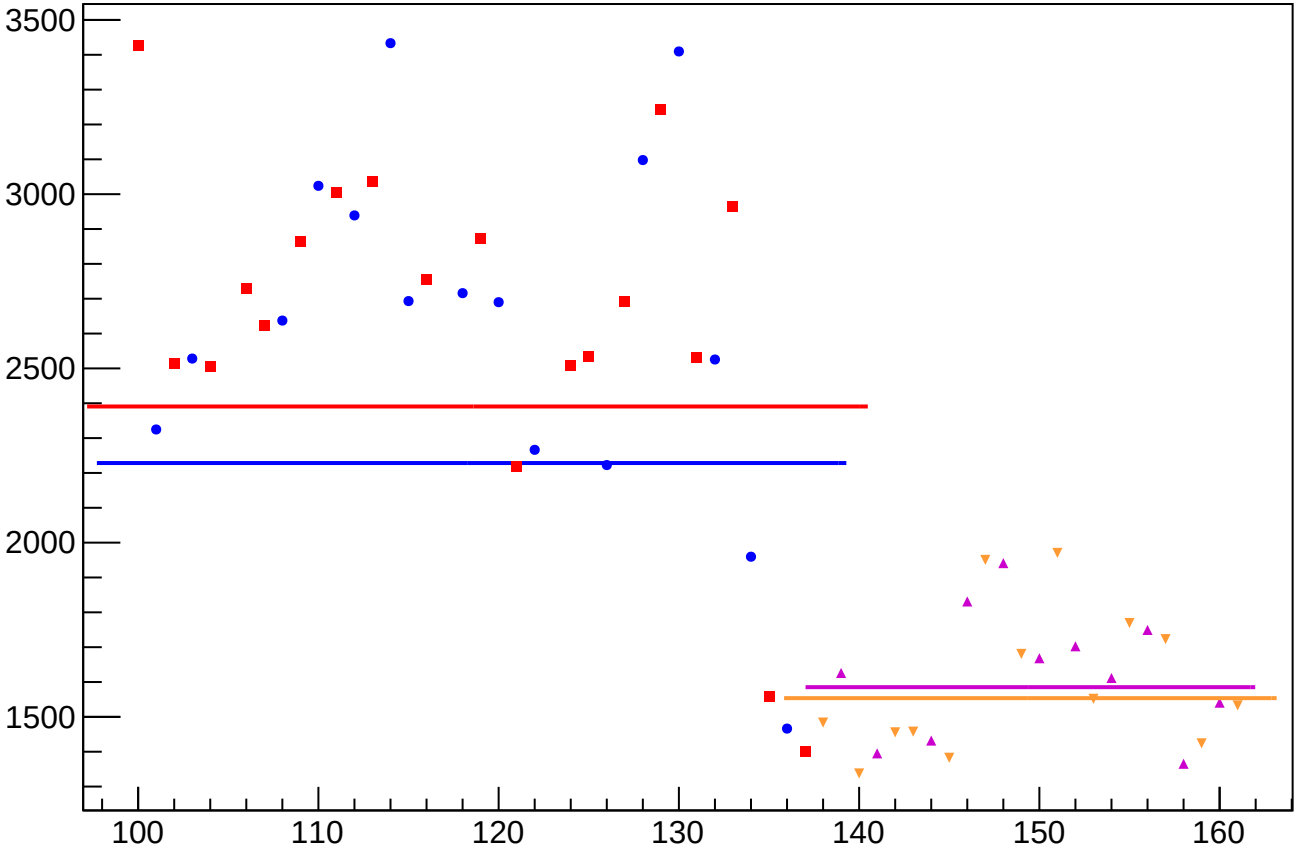
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -668.585+/-442.870 χ^2/NDF:34.6/26

Out: -484.496+/-428.911 χ^2/NDF:40.7/31

All: -573.594+/-308.103 χ^2/NDF: 75.4/58

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.736+/-0.345 χ^2/NDF:289800.7/12

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

Left: 1568.567+/-0.251 χ^2/NDF: 510892.4/23

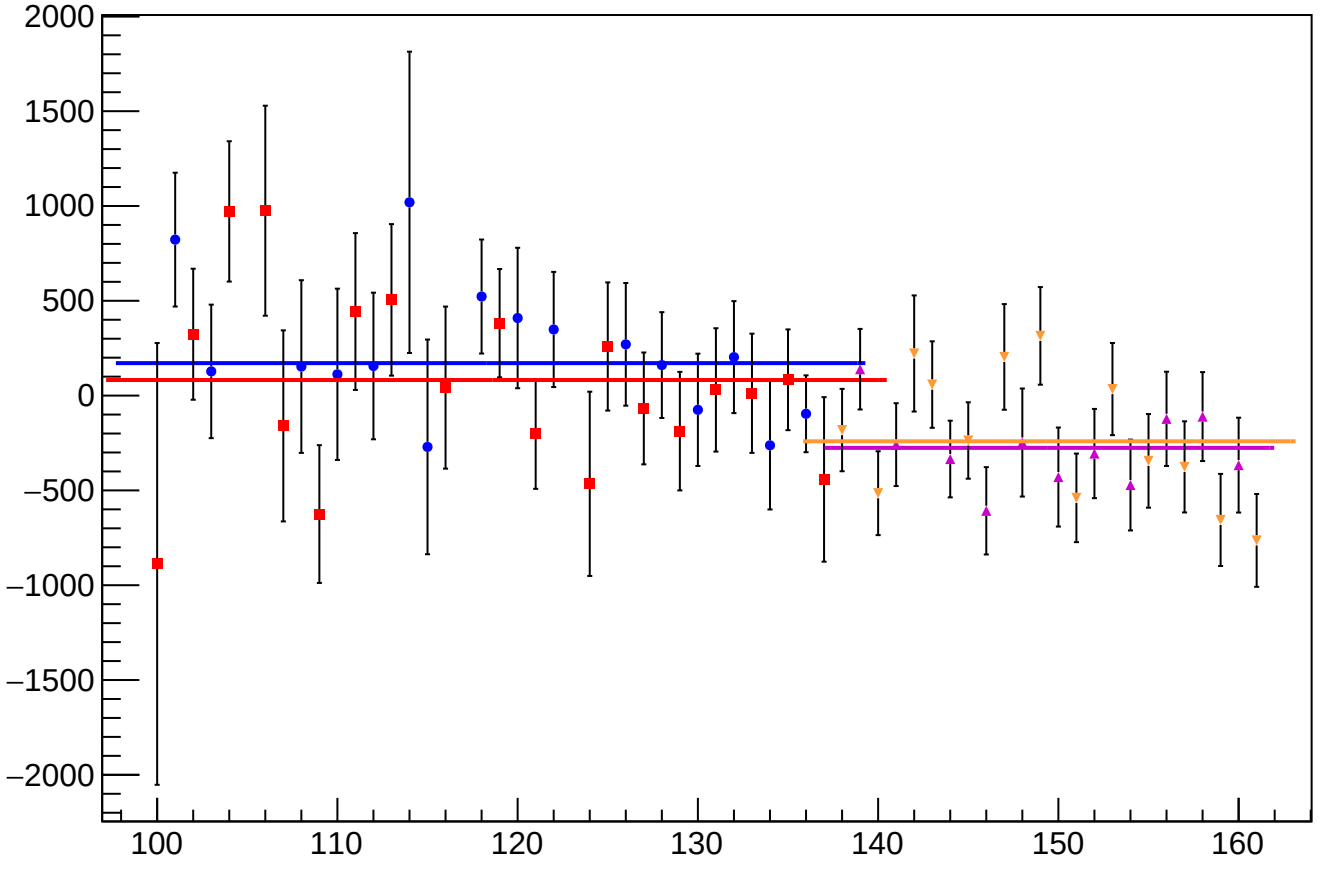
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1756.165+/-0.313 χ^2/NDF:1987992.6/26

Out: 1742.983+/-0.303 χ^2/NDF:2412505.1/31

All: 1749.363+/-0.218 χ^2/NDF: 4401412.1/58

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -241.050+/-66.408 χ^2/NDF:23.7/12

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -275.620+/-70.843 χ^2/NDF:8.0/10

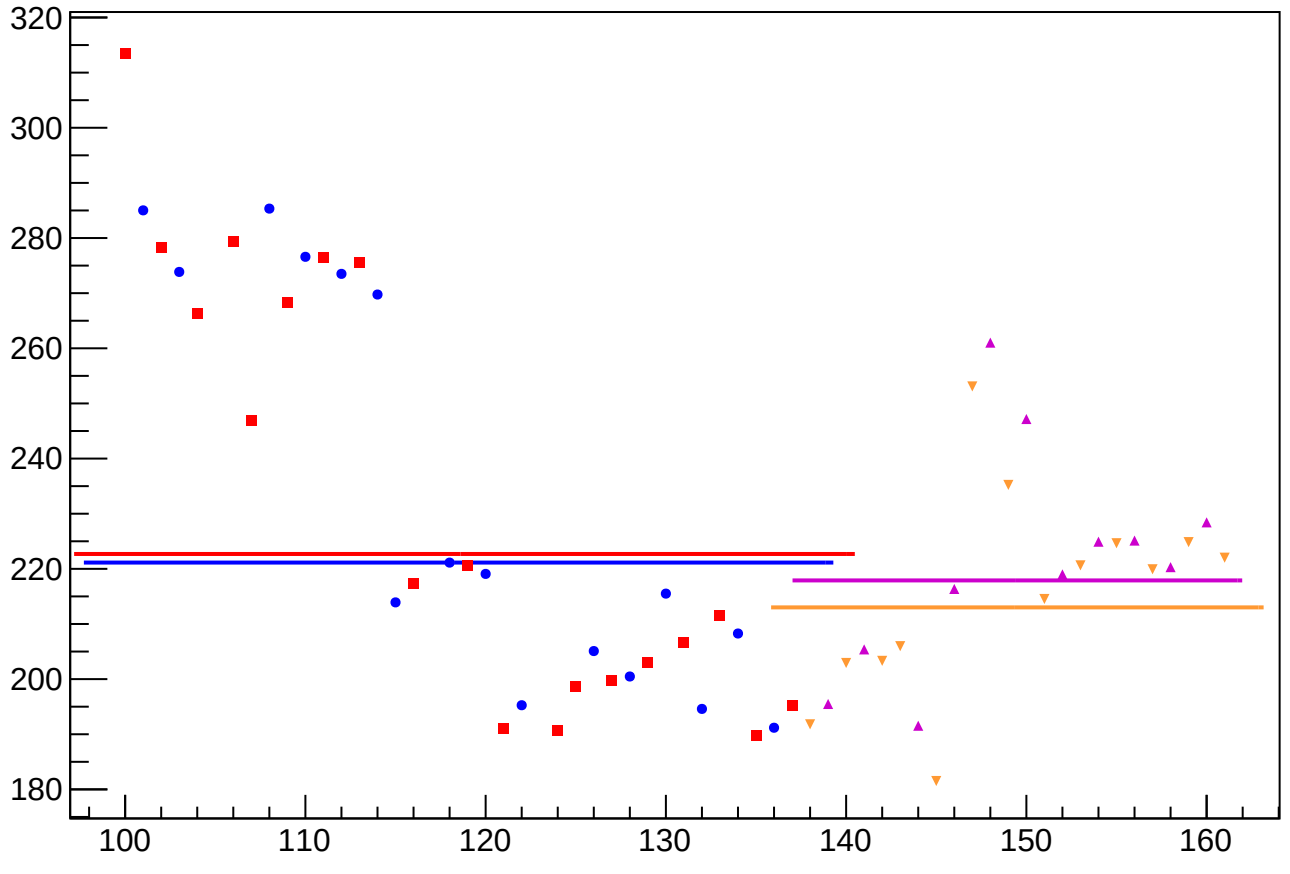
Left: -257.219+/-48.450 χ^2/NDF: 31.9/23

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -87.579+/-53.916 χ^2/NDF:36.3/26

Out: -114.058+/-51.742 χ^2/NDF:54.6/31

All: -101.363+/-37.332 χ^2/NDF: 91.0/58



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.010+/-0.047 χ^2/NDF:147857.8/12

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.901+/-0.050 χ^2/NDF:141063.4/10

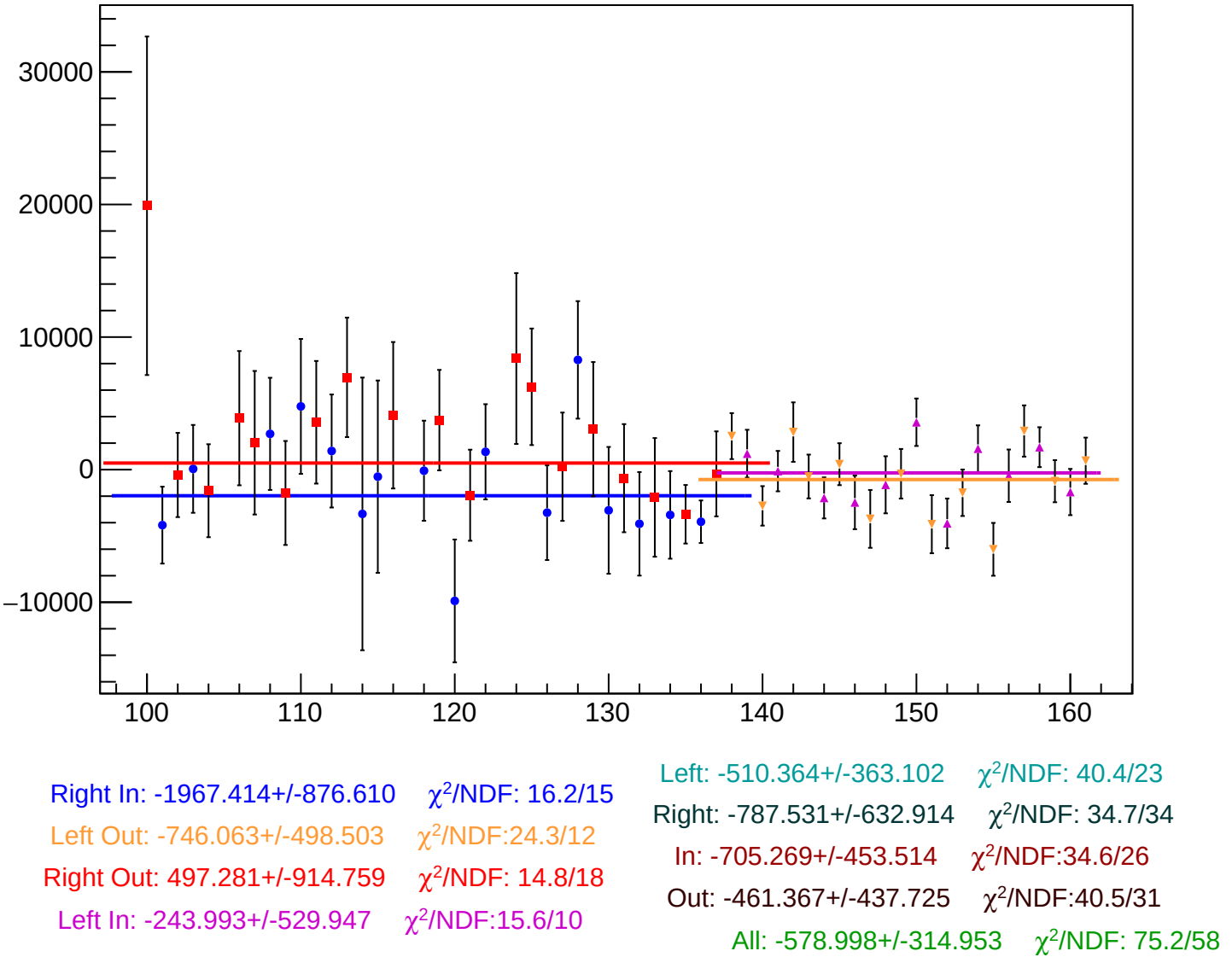
Left: 215.297+/-0.034 χ^2/NDF: 293996.1/23

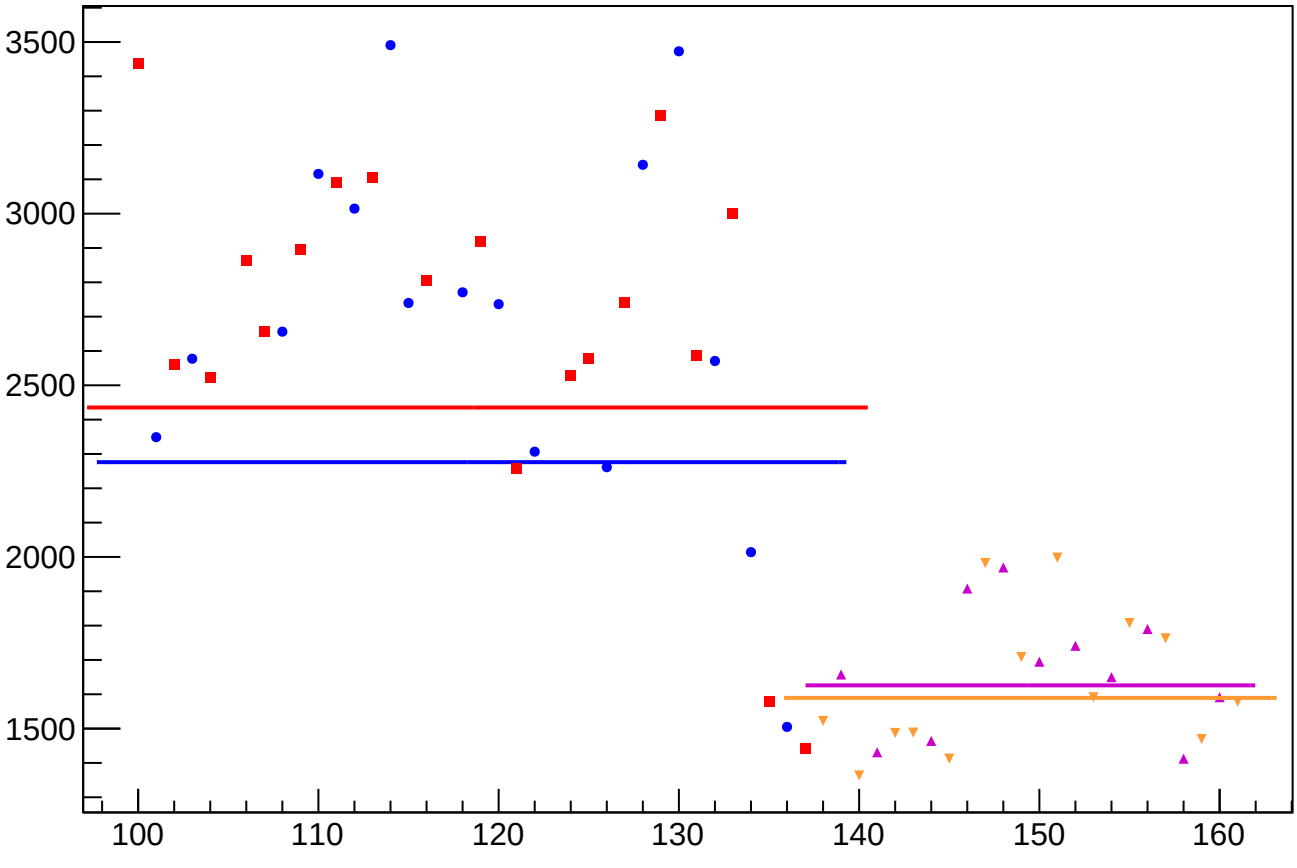
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.264+/-0.038 χ^2/NDF:461523.5/26

Out: 216.816+/-0.037 χ^2/NDF:491613.8/31

All: 217.990+/-0.026 χ^2/NDF: 955282.6/58


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -746.063+/-498.503 χ²/NDF:24.3/12
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -243.993+/-529.947 χ²/NDF:15.6/10
Left: -510.364+/-363.102 χ²/NDF: 40.4/23
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -705.269+/-453.514 χ²/NDF:34.6/26
Out: -461.367+/-437.725 χ²/NDF:40.5/31
All: -578.998+/-314.953 χ²/NDF: 75.2/58



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1589.479+/-0.352 χ^2/NDF:279734.7/12

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1625.936+/-0.375 χ^2/NDF:210838.8/10

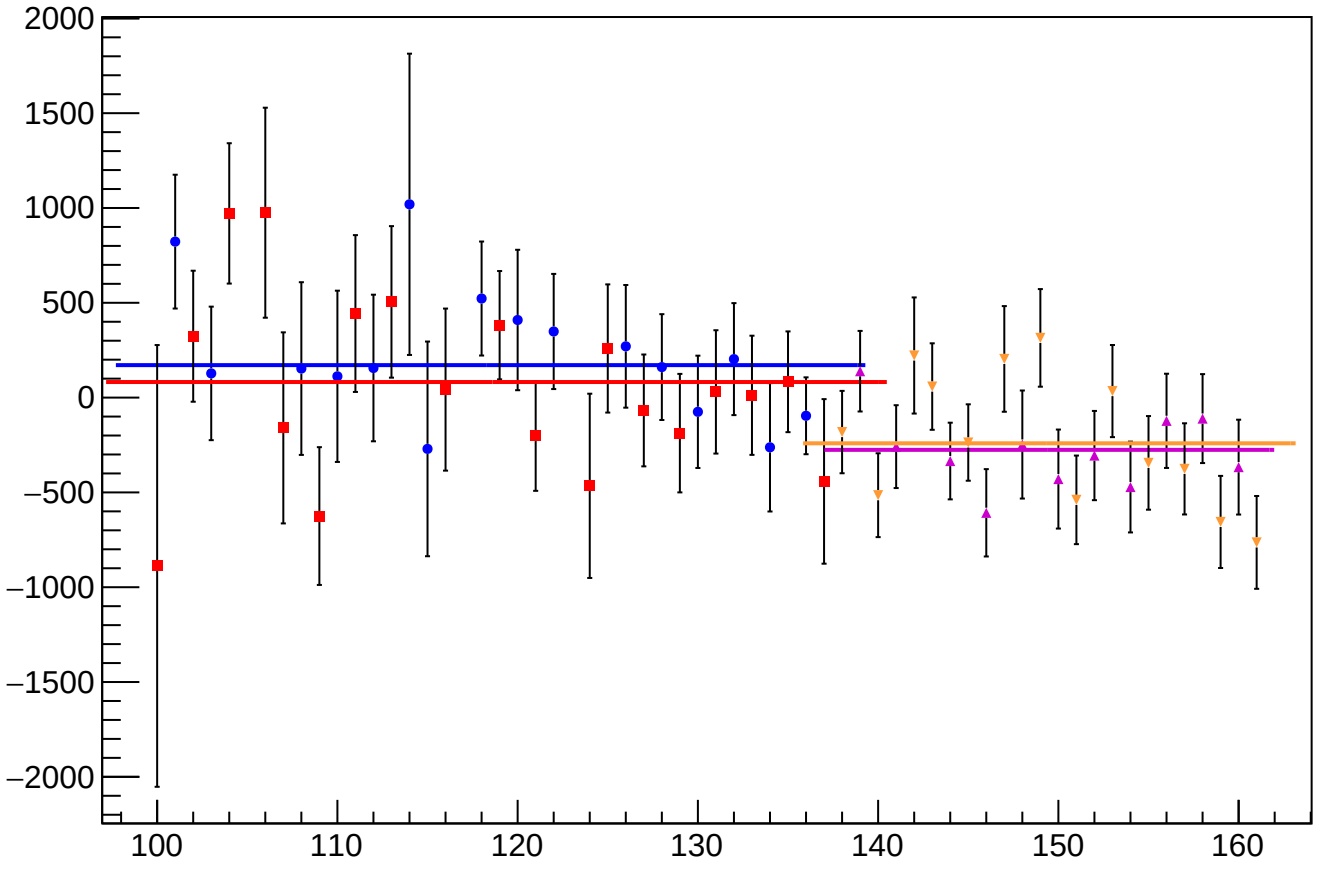
Left: 1606.594+/-0.257 χ^2/NDF: 495595.1/23

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1799.963+/-0.321 χ^2/NDF:1943620.8/26

Out: 1783.164+/-0.310 χ^2/NDF:2389801.5/31

All: 1791.266+/-0.223 χ^2/NDF: 4334842.9/58



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -241.051+/-66.408 χ^2/NDF:23.7/12

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -275.622+/-70.843 χ^2/NDF:8.0/10

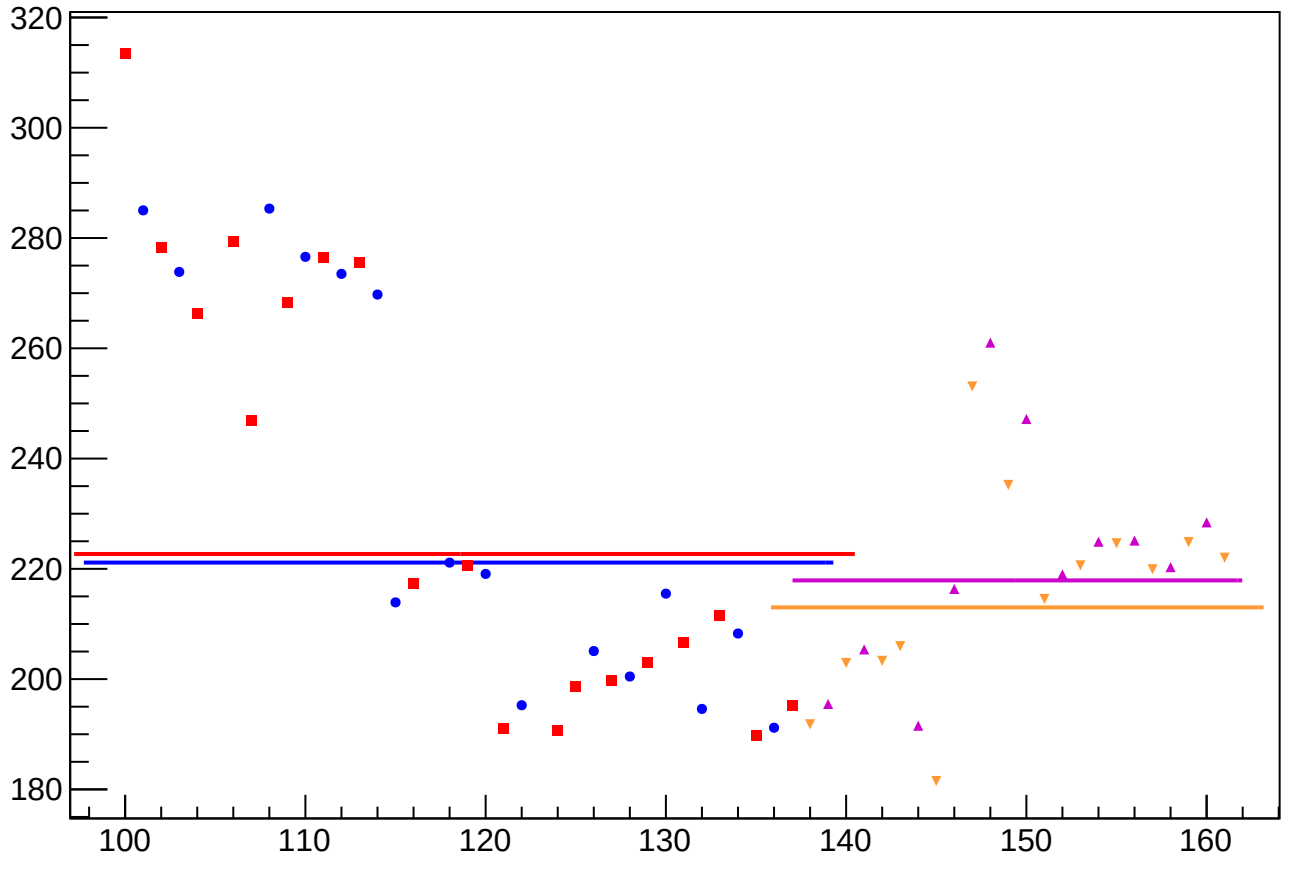
Left: -257.220+/-48.450 χ^2/NDF: 31.9/23

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -87.578+/-53.916 χ^2/NDF:36.3/26

Out: -114.058+/-51.742 χ^2/NDF:54.6/31

All: -101.363+/-37.332 χ^2/NDF: 91.0/58



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.010+/-0.047 χ^2/NDF:147861.3/12

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.901+/-0.050 χ^2/NDF:141065.2/10

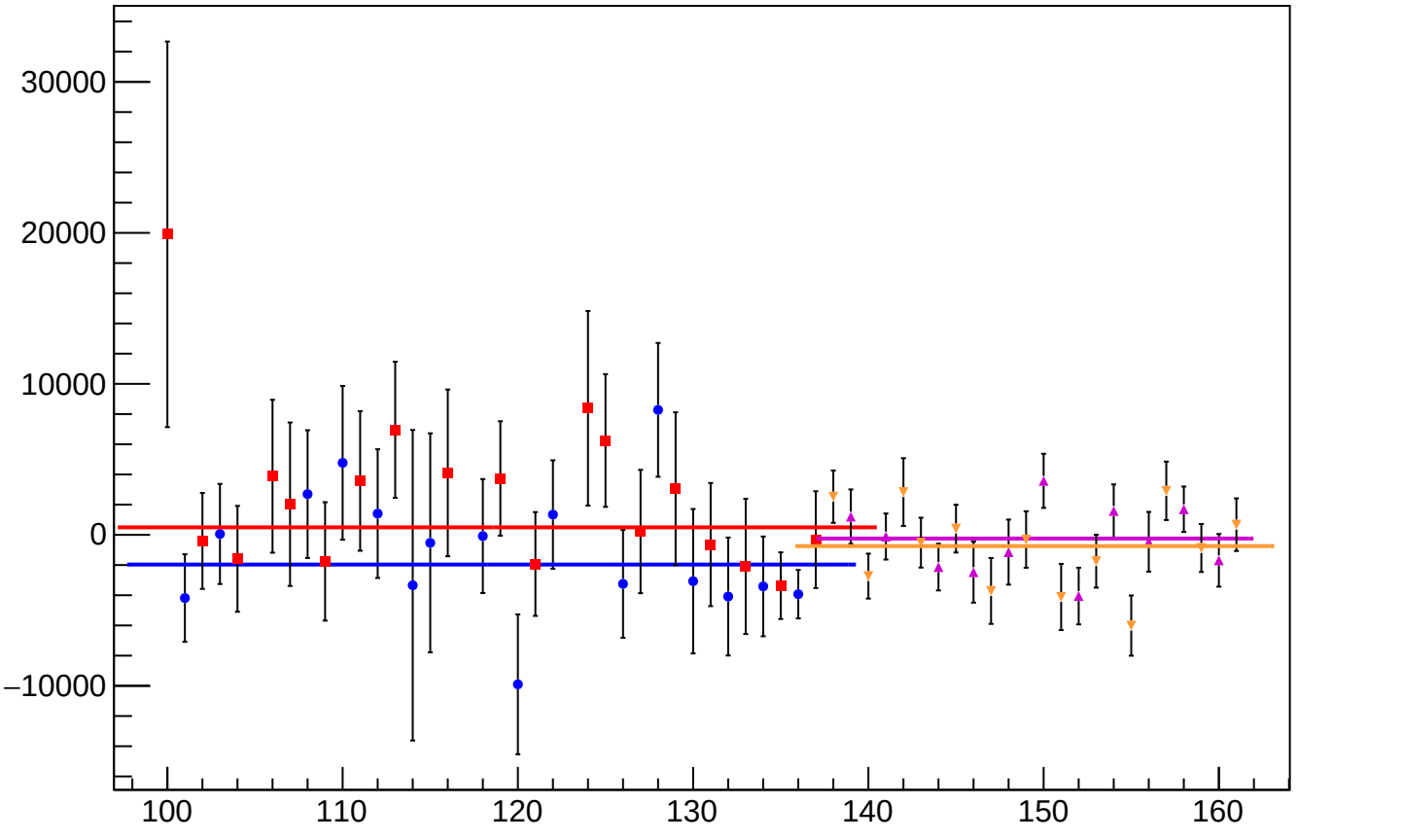
Left: 215.297+/-0.034 χ^2/NDF: 294001.4/23

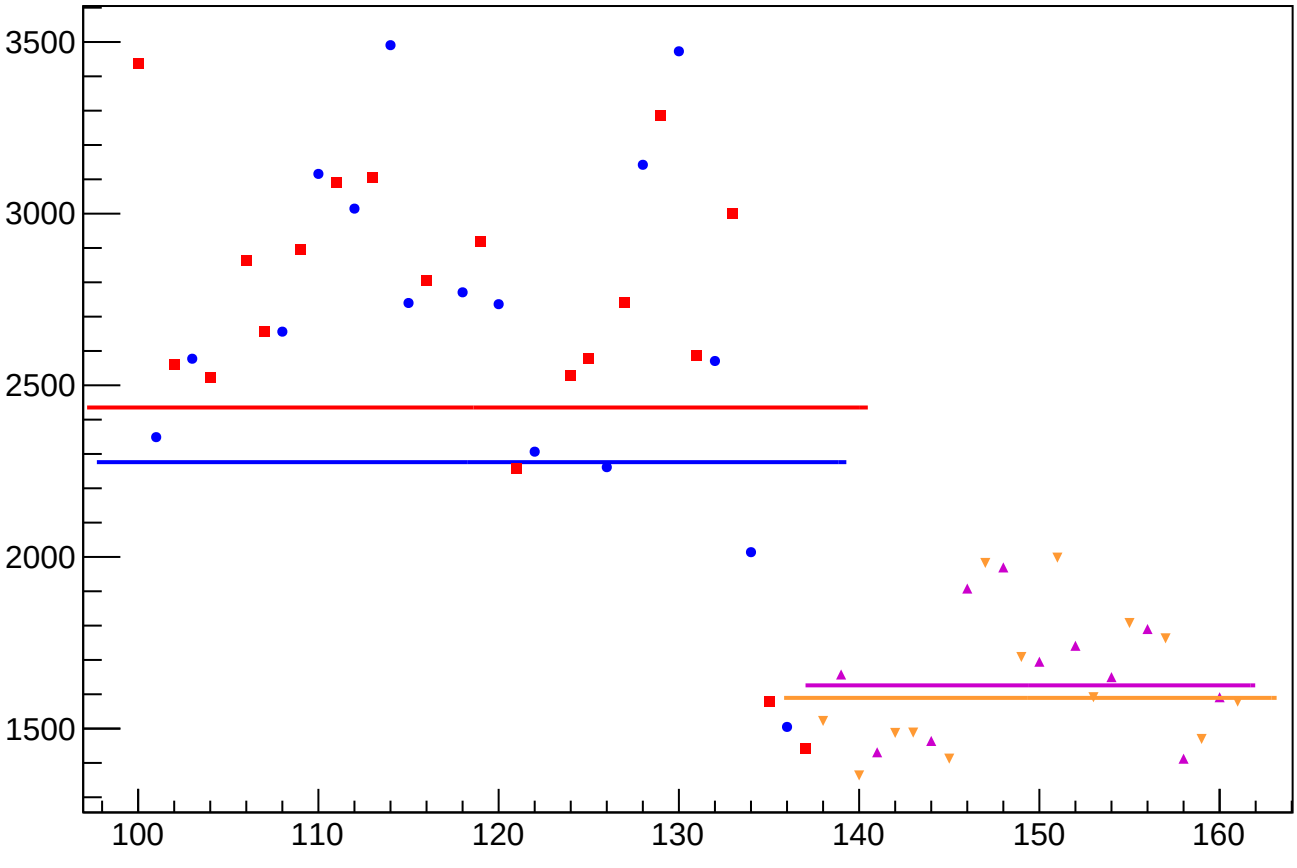
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.263+/-0.038 χ^2/NDF:461519.2/26

Out: 216.816+/-0.037 χ^2/NDF:491607.7/31

All: 217.989+/-0.026 χ^2/NDF: 955271.9/58


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -746.063+/-498.503 χ²/NDF:24.3/12
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -243.993+/-529.946 χ²/NDF:15.6/10
Left: -510.363+/-363.102 χ²/NDF: 40.4/23
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -705.268+/-453.514 χ²/NDF:34.6/26
Out: -461.366+/-437.725 χ²/NDF:40.5/31
All: -578.997+/-314.952 χ²/NDF: 75.2/58



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.479+/-0.352 χ^2/NDF:279738.2/12

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1625.936+/-0.375 χ^2/NDF:210840.3/10

Left: 1606.594+/-0.257 χ^2/NDF: 495600.2/23

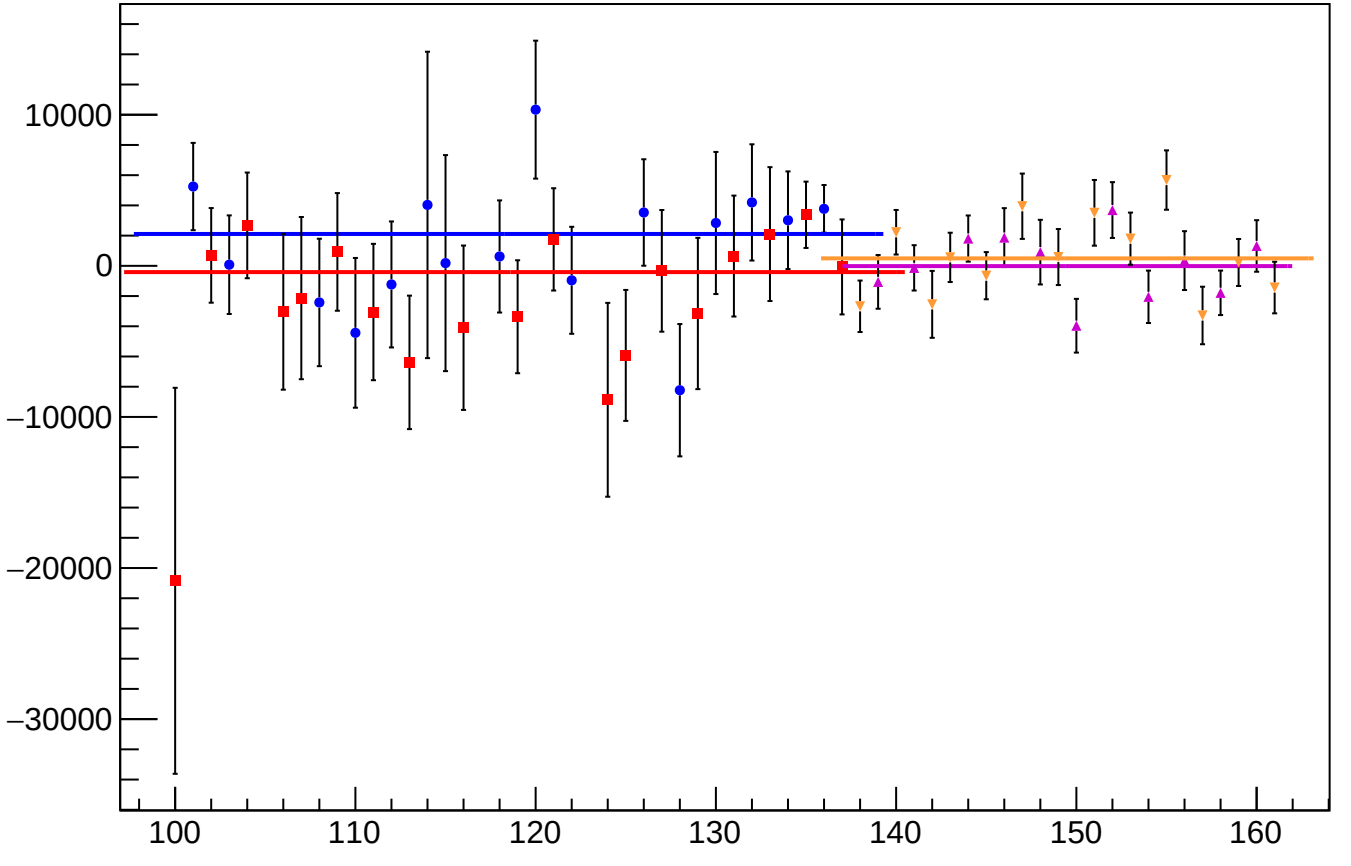
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1799.962+/-0.321 χ^2/NDF:1943608.9/26

Out: 1783.164+/-0.310 χ^2/NDF:2389793.5/31

All: 1791.265+/-0.223 χ^2/NDF: 4334823.0/58

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 494.624+/-491.626 χ^2/NDF:24.5/12

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -17.438+/-521.158 χ^2/NDF:15.3/10

Left: 253.512+/-357.617 χ^2/NDF: 40.4/23

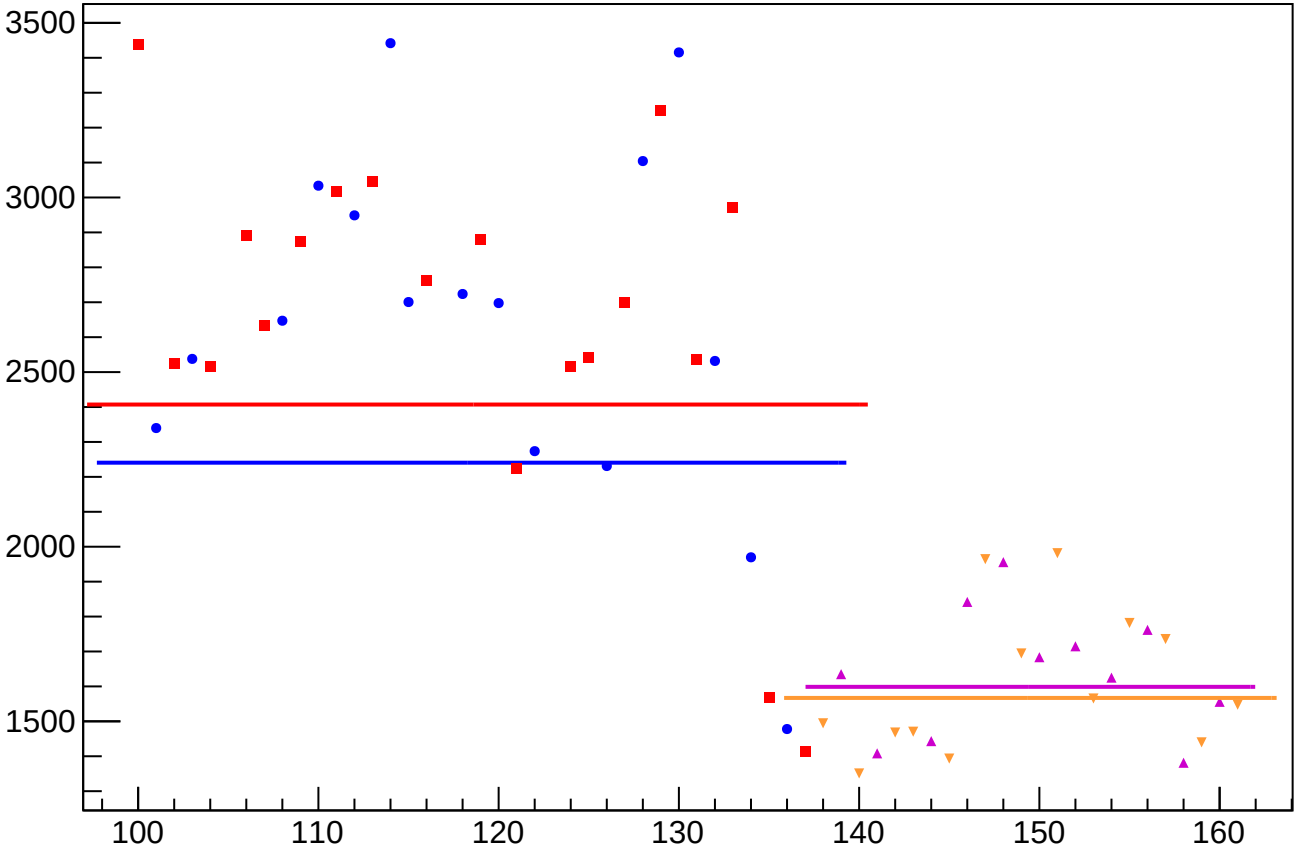
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 550.672+/-446.162 χ^2/NDF:36.4/26

Out: 287.356+/-431.935 χ^2/NDF:40.0/31

All: 414.749+/-310.332 χ^2/NDF: 76.5/58

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1567.018+/-0.348 χ^2/NDF:285263.2/12

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1598.767+/-0.369 χ^2/NDF:212507.3/10

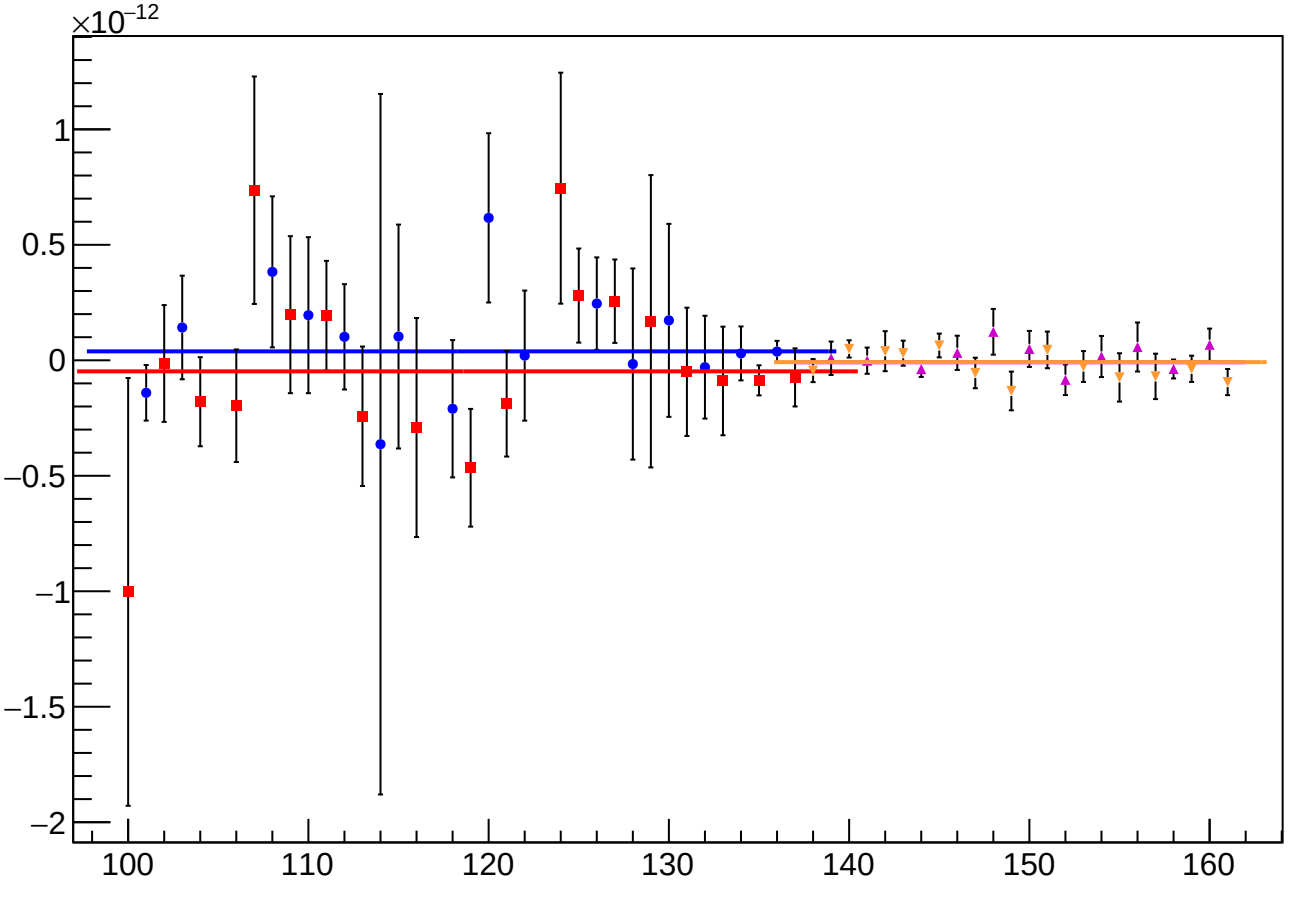
Left: 1581.968+/-0.253 χ^2/NDF: 501698.2/23

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1770.206+/-0.315 χ^2/NDF:1956388.2/26

Out: 1758.636+/-0.305 χ^2/NDF:2406323.9/31

All: 1764.234+/-0.219 χ^2/NDF: 4363406.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/10

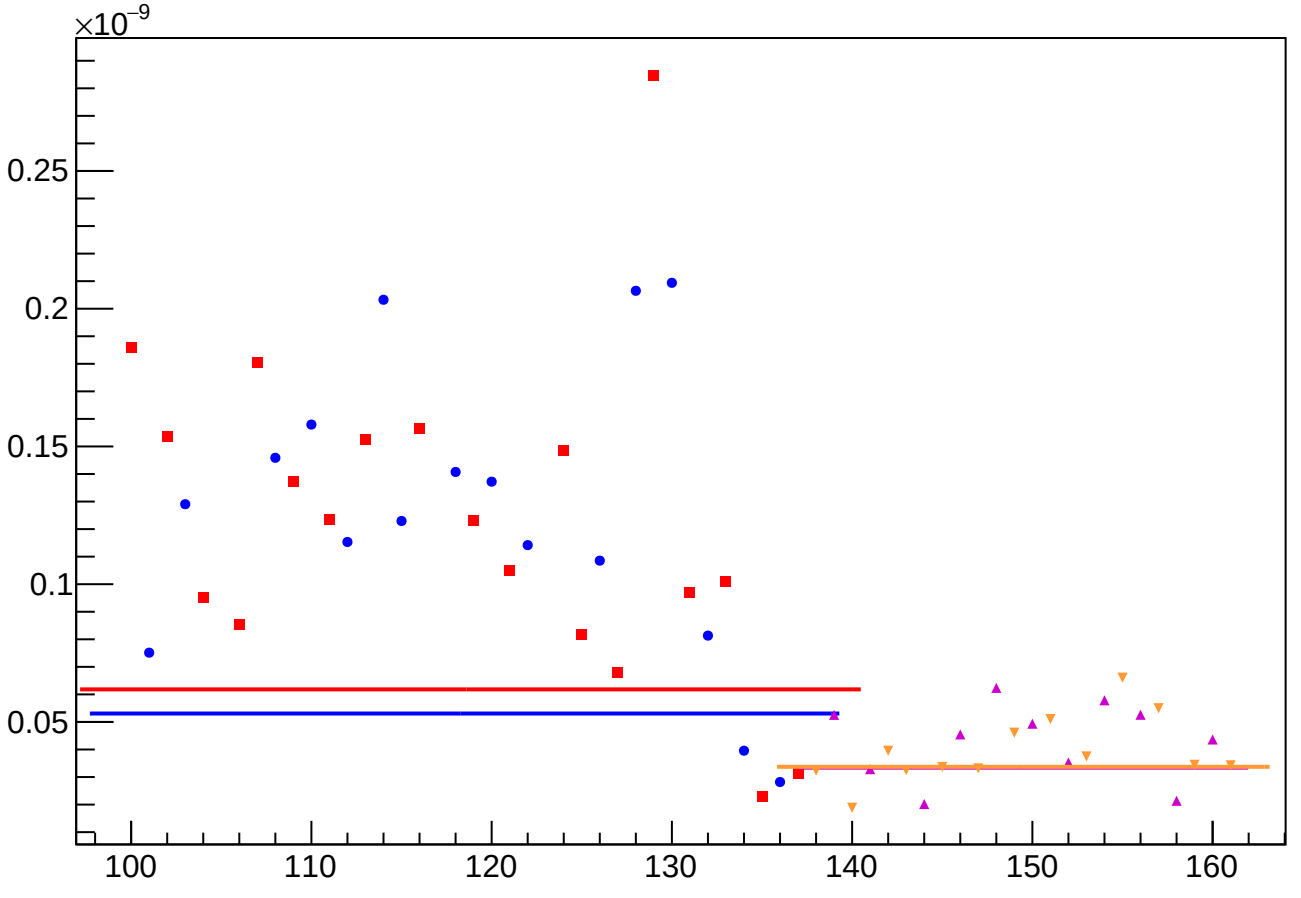
Left: -0.000+/-0.000 χ^2/NDF: 19.2/23

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:16.7/26

Out: -0.000+/-0.000 χ^2/NDF:31.2/31

All: -0.000+/-0.000 χ^2/NDF: 48.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:757004.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182238.0/10

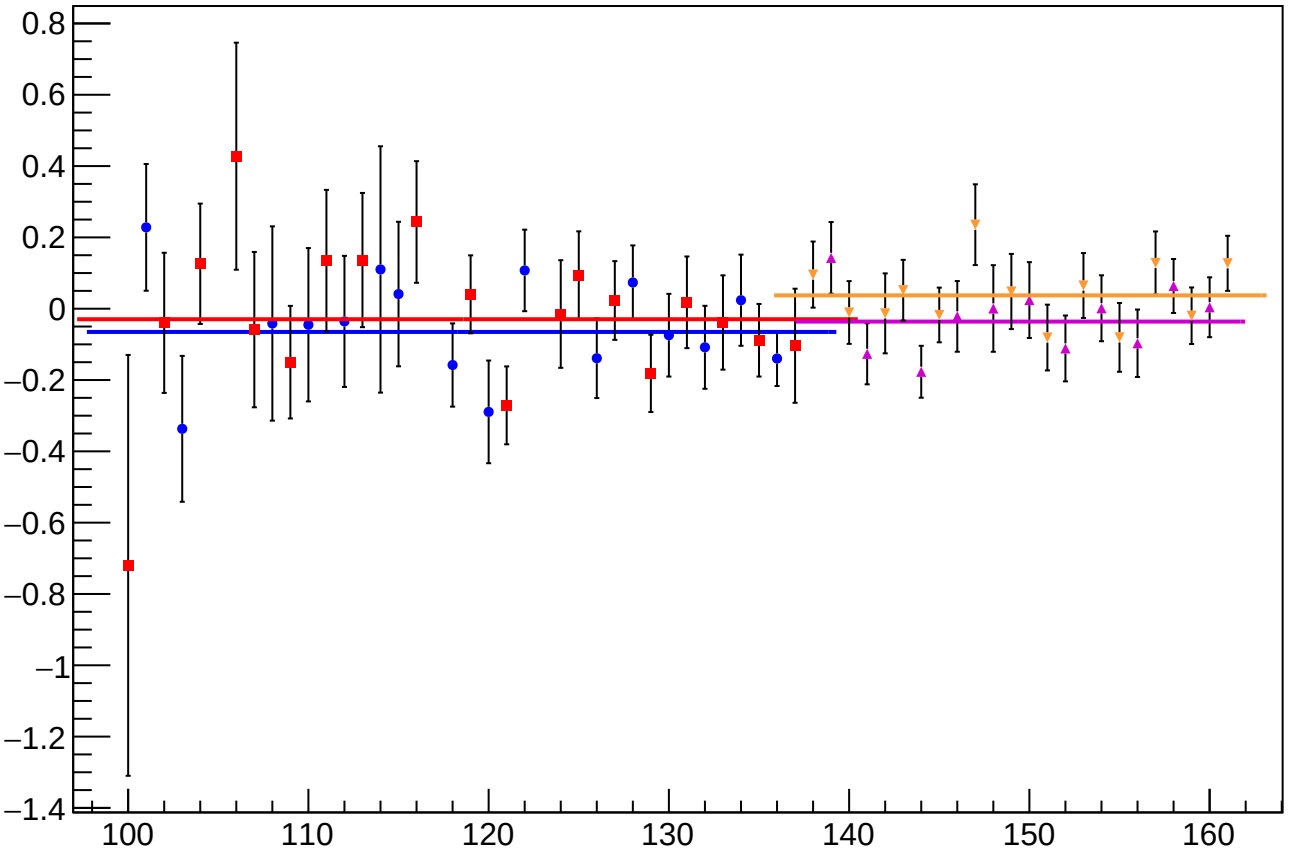
Left: 0.000+/-0.000 χ^2/NDF: 1939556.5/23

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4226850.4/26

Out: 0.000+/-0.000 χ^2/NDF:3903797.0/31

All: 0.000+/-0.000 χ^2/NDF: 8130679.0/58



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.037+/-0.025 χ^2/NDF:10.7/12

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.036+/-0.027 χ^2/NDF:11.7/10

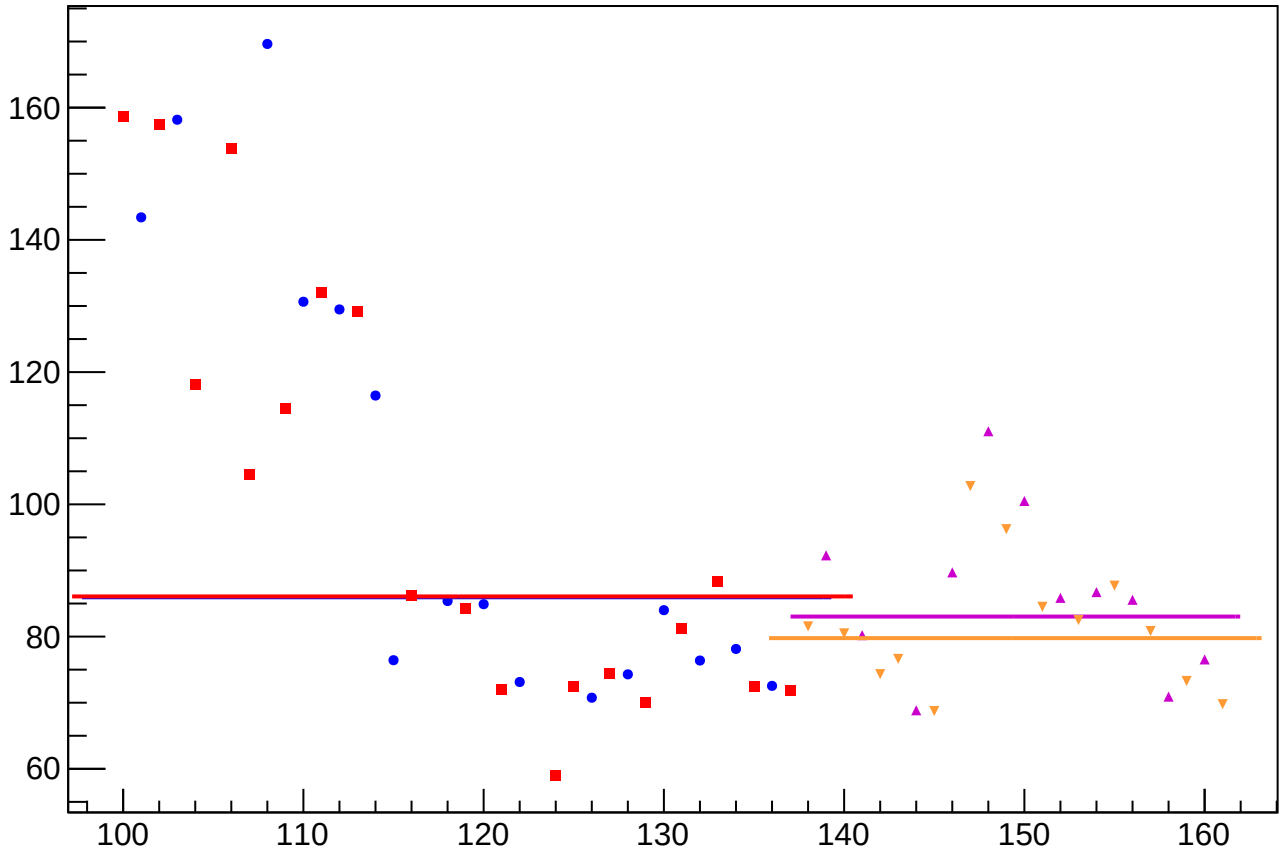
Left: 0.004+/-0.018 χ^2/NDF: 26.3/23

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.013+/-0.020 χ^2/NDF:31.4/31

All: -0.016+/-0.014 χ^2/NDF: 62.0/58



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.766+/-0.018 χ^2/NDF:248723.4/12

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

Left: 81.256+/-0.013 χ^2/NDF: 598546.2/23

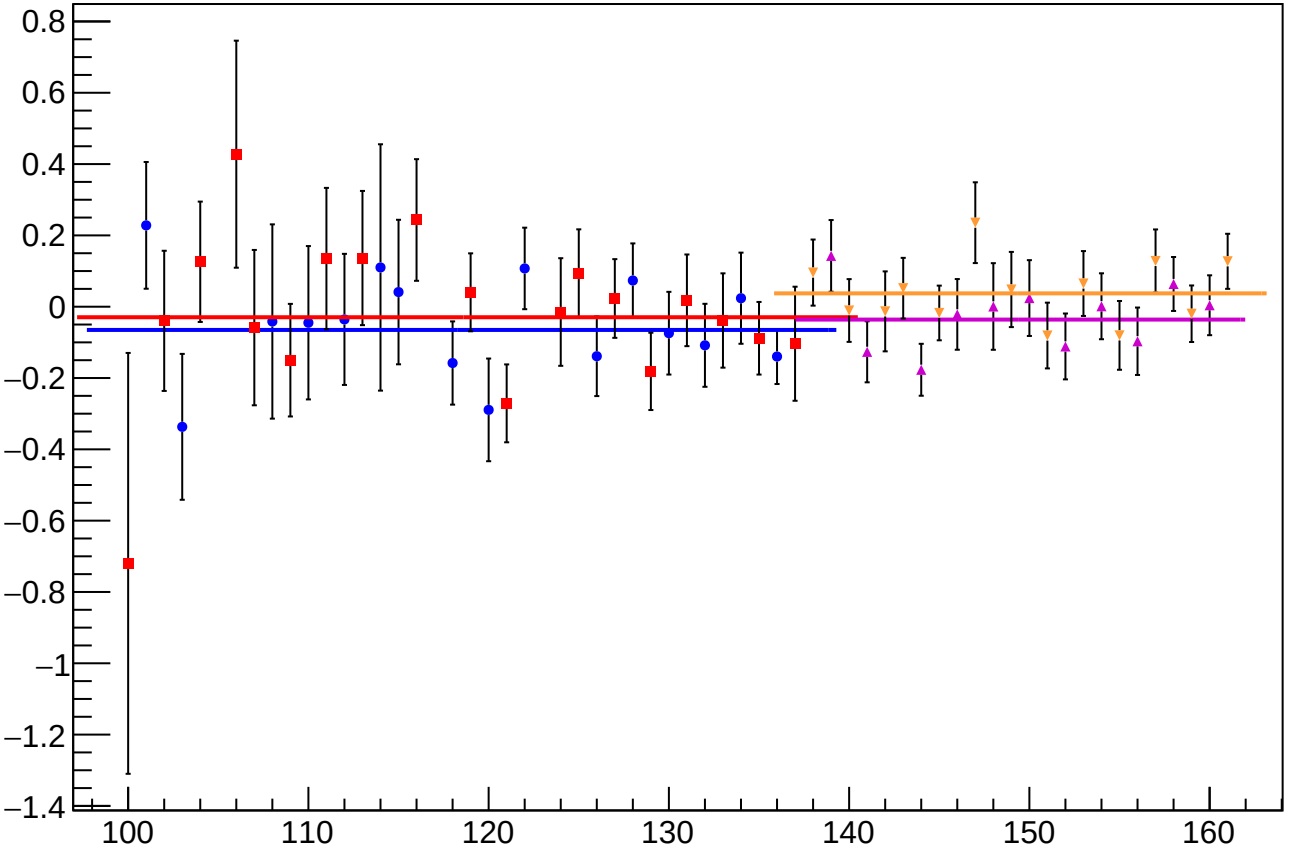
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.200+/-0.015 χ^2/NDF:1378431.4/26

Out: 82.068+/-0.014 χ^2/NDF:1286586.4/31

All: 83.072+/-0.010 χ^2/NDF: 2675820.2/58

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.037+/-0.025 χ^2/NDF:10.7/12

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.036+/-0.027 χ^2/NDF:11.7/10

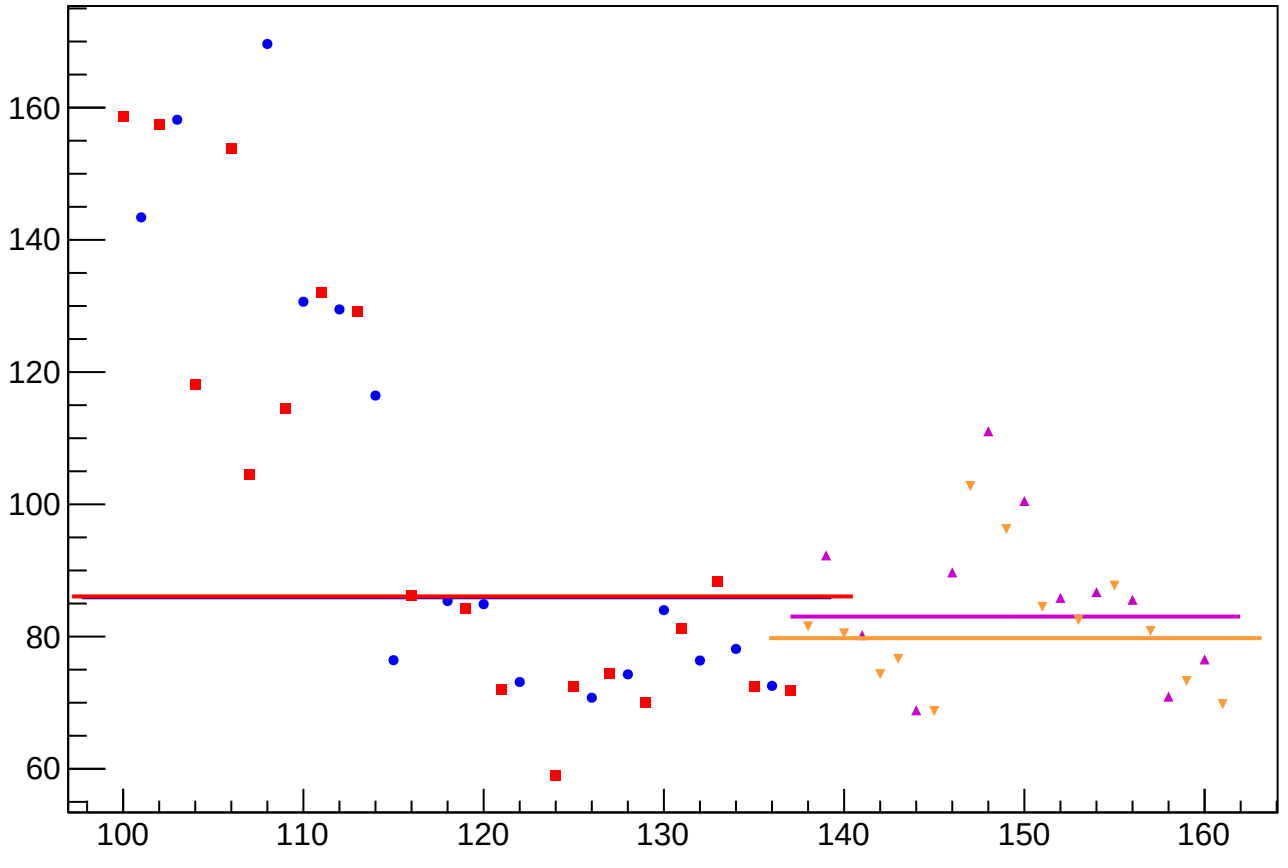
Left: 0.004+/-0.018 χ^2/NDF: 26.3/23

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.013+/-0.020 χ^2/NDF:31.4/31

All: -0.016+/-0.014 χ^2/NDF: 62.0/58



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.766+/-0.018 χ^2/NDF:248723.4/12

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

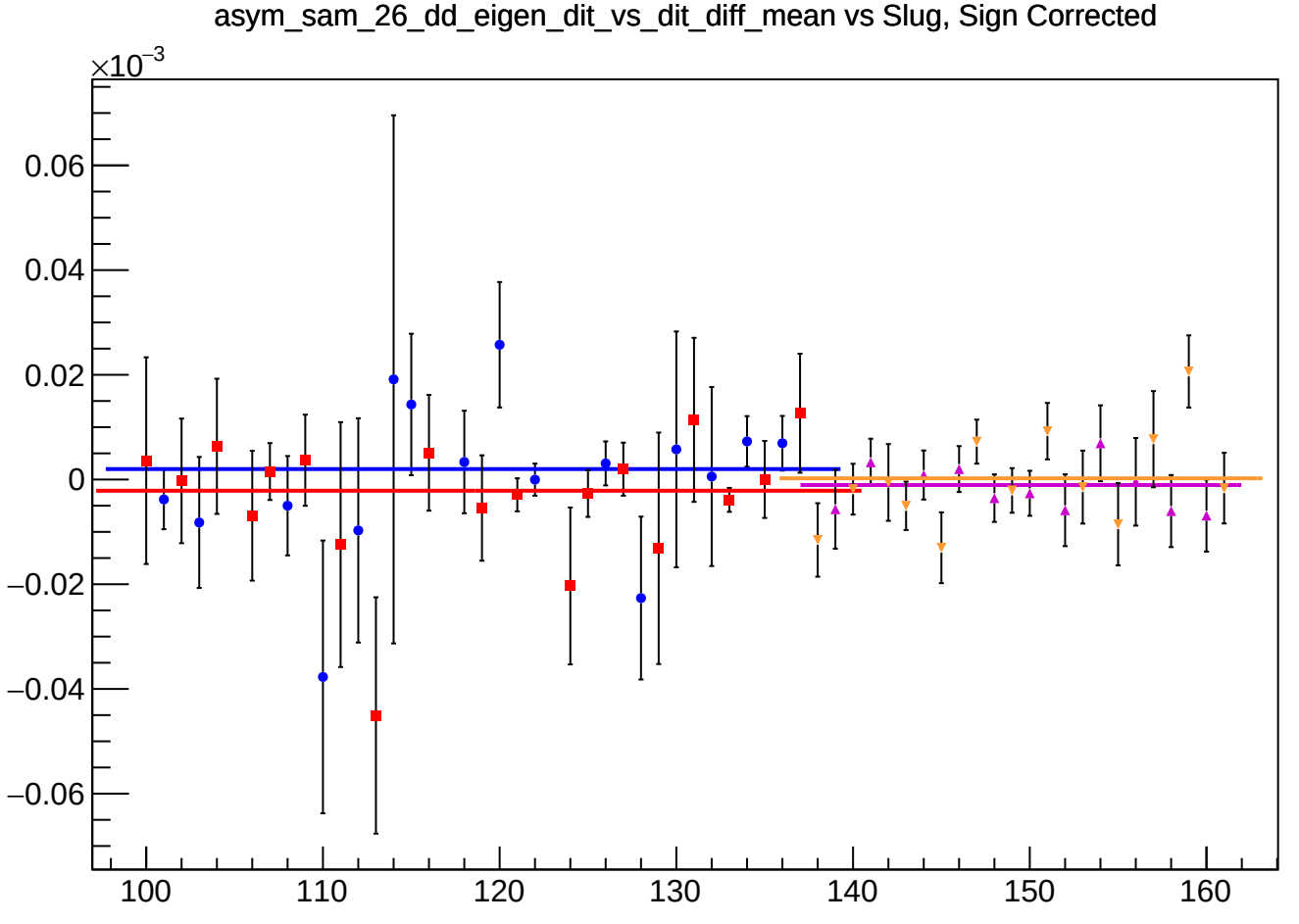
Left: 81.256+/-0.013 χ^2/NDF: 598546.2/23

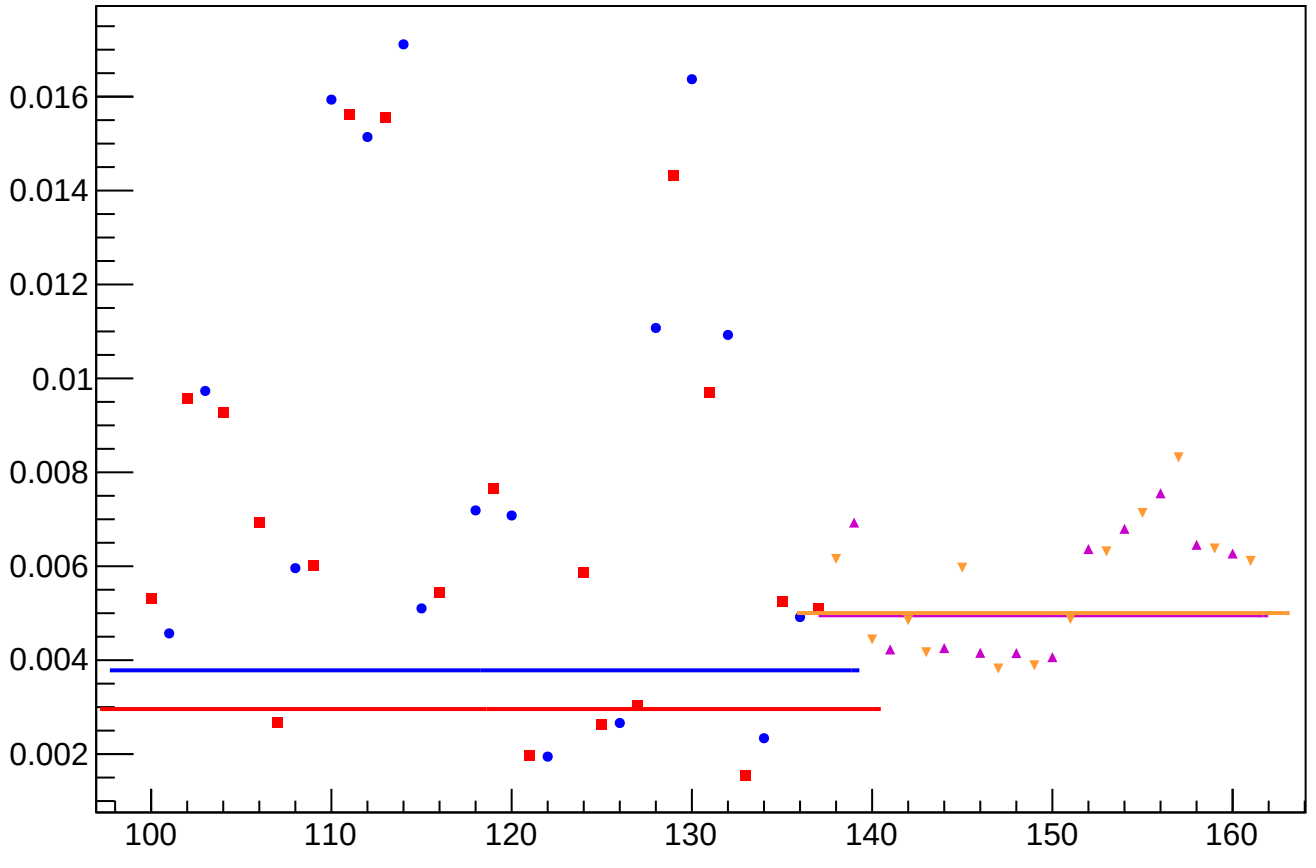
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 84.200+/-0.015 χ^2/NDF:1378431.4/26

Out: 82.068+/-0.014 χ^2/NDF:1286586.4/31

All: 83.072+/-0.010 χ^2/NDF: 2675820.2/58


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:24.8/12
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:5.3/10
Left: -0.000+/-0.000 χ²/NDF: 30.5/23
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:21.8/26
Out: -0.000+/-0.000 χ²/NDF:37.6/31
All: -0.000+/-0.000 χ²/NDF: 60.3/58



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1096665.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1023999.8/10

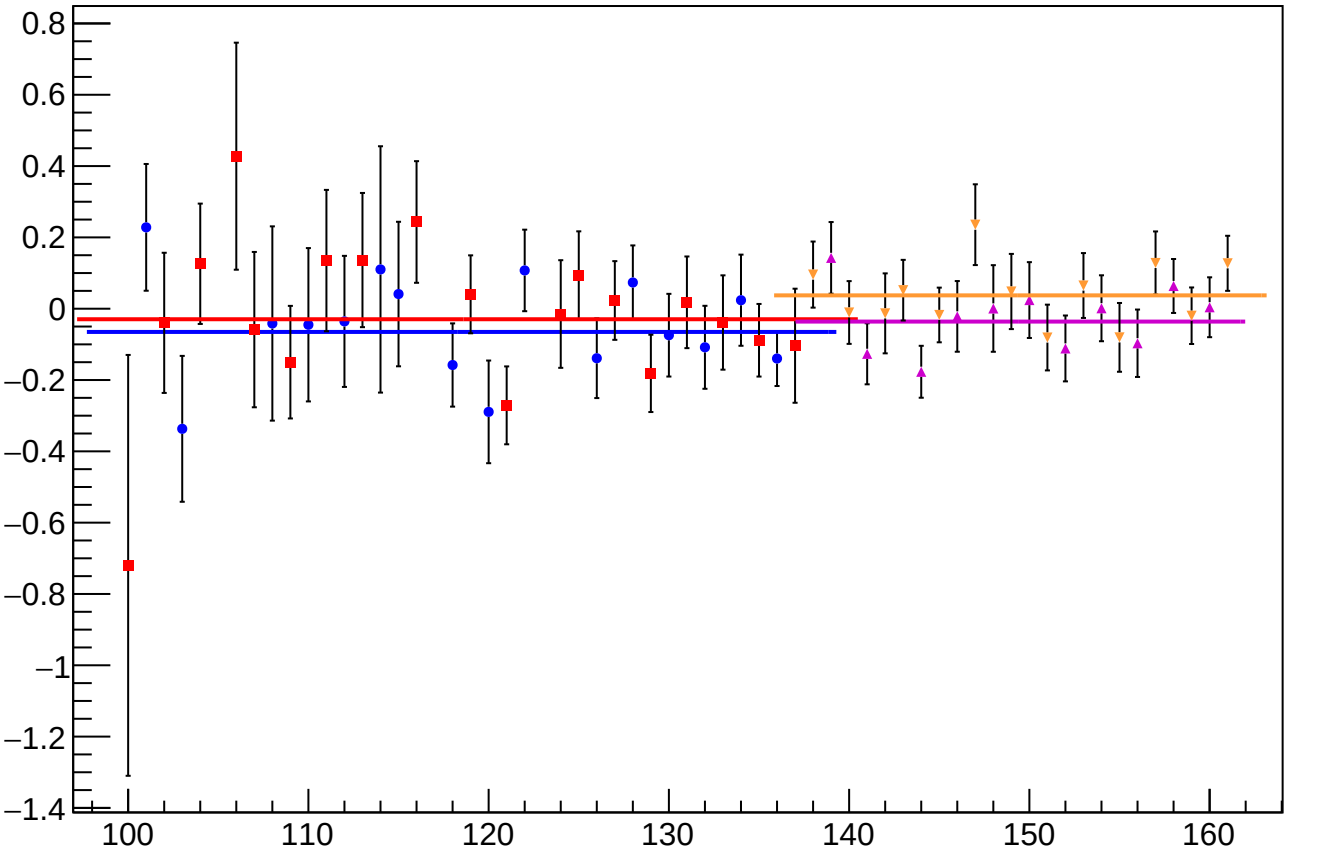
Left: 0.005+/-0.000 χ^2/NDF: 2121522.8/23

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

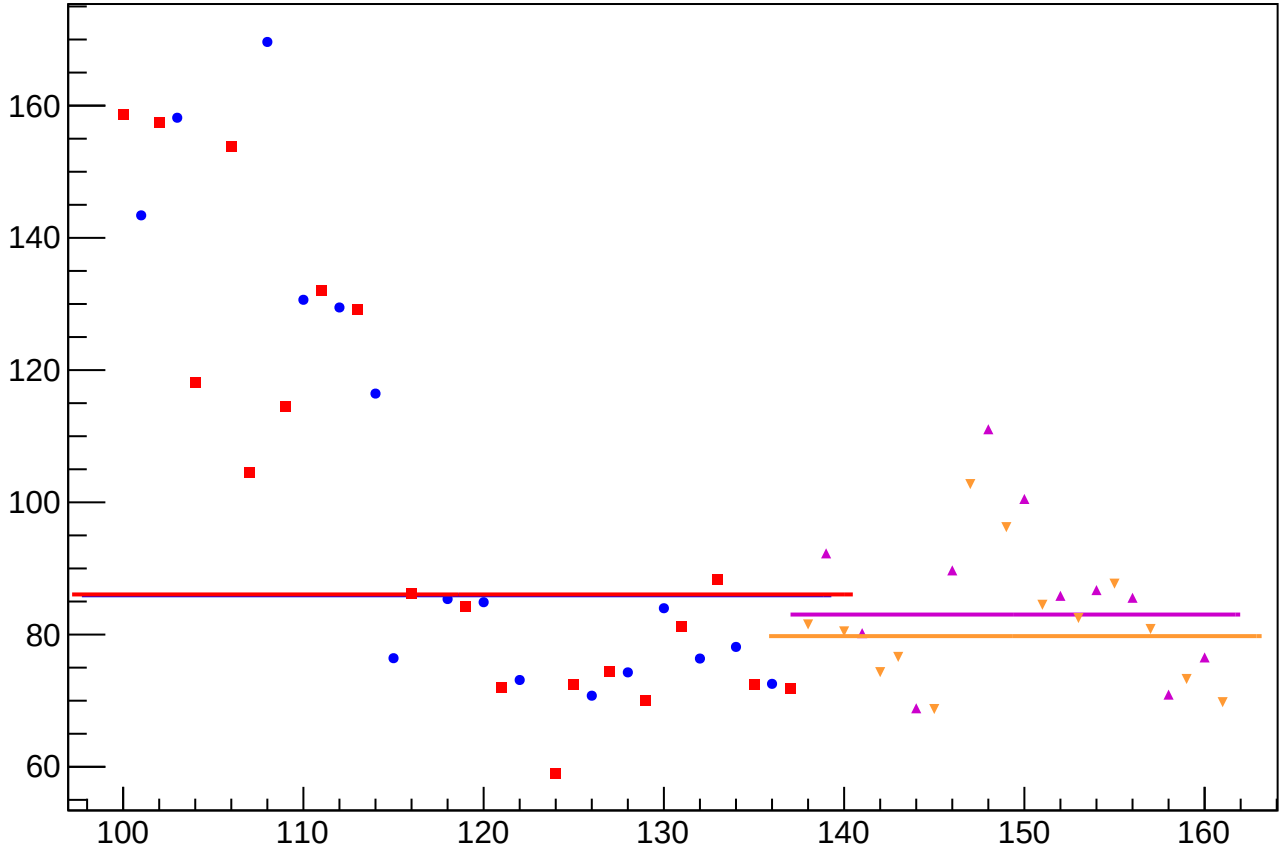
In: 0.004+/-0.000 χ^2/NDF:6192167.3/26

Out: 0.004+/-0.000 χ^2/NDF:8483909.2/31

All: 0.004+/-0.000 χ^2/NDF: 14917904.2/58


asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.037+/-0.025 χ²/NDF:10.7/12
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.036+/-0.027 χ²/NDF:11.7/10
Left: 0.004+/-0.018 χ²/NDF: 26.3/23
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.048+/-0.021 χ²/NDF:26.3/26
Out: 0.013+/-0.020 χ²/NDF:31.4/31
All: -0.016+/-0.014 χ²/NDF: 62.0/58

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: 79.766+/-0.018 χ^2/NDF:248769.4/12

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

Left: 81.255+/-0.013 χ^2/NDF: 598620.4/23

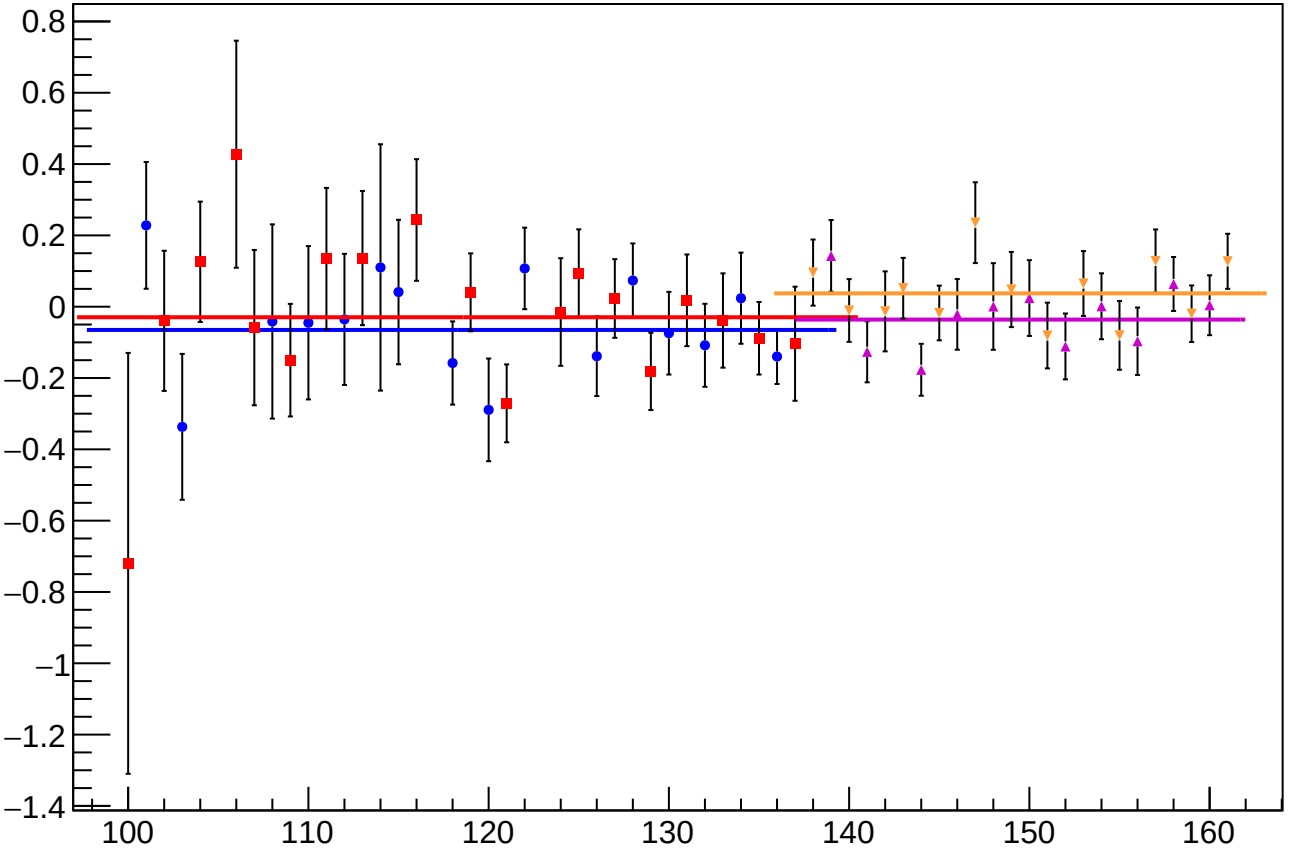
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.198+/-0.015 χ^2/NDF:1378430.9/26

Out: 82.066+/-0.014 χ^2/NDF:1286606.0/31

All: 83.071+/-0.010 χ^2/NDF: 2675837.2/58

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: 0.037+/-0.025 χ^2/NDF:10.7/12

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.036+/-0.027 χ^2/NDF:11.7/10

Left: 0.004+/-0.018 χ^2/NDF: 26.3/23

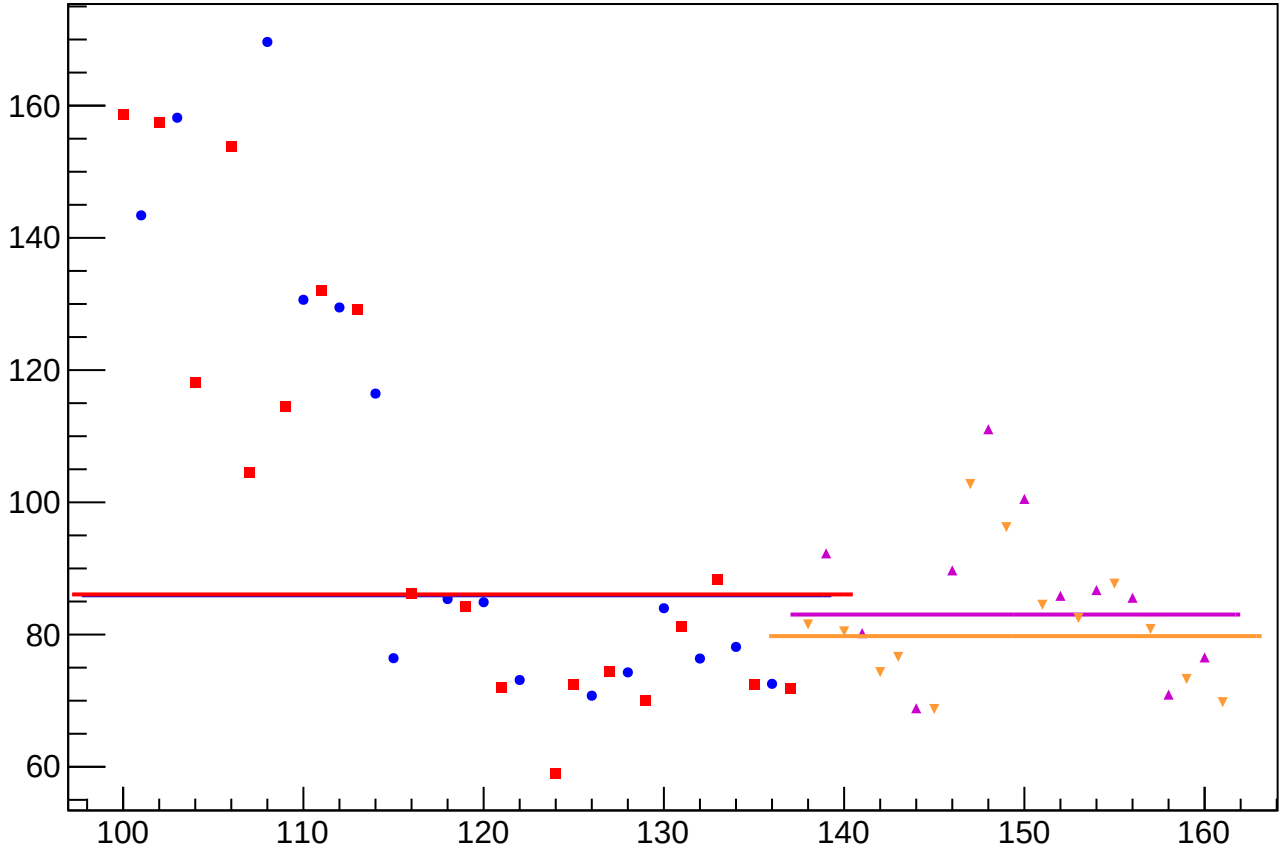
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.048+/-0.021 χ^2/NDF:26.3/26

Out: 0.013+/-0.020 χ^2/NDF:31.4/31

All: -0.016+/-0.014 χ^2/NDF: 62.0/58

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: 79.766+/-0.018 χ^2/NDF:248769.4/12

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

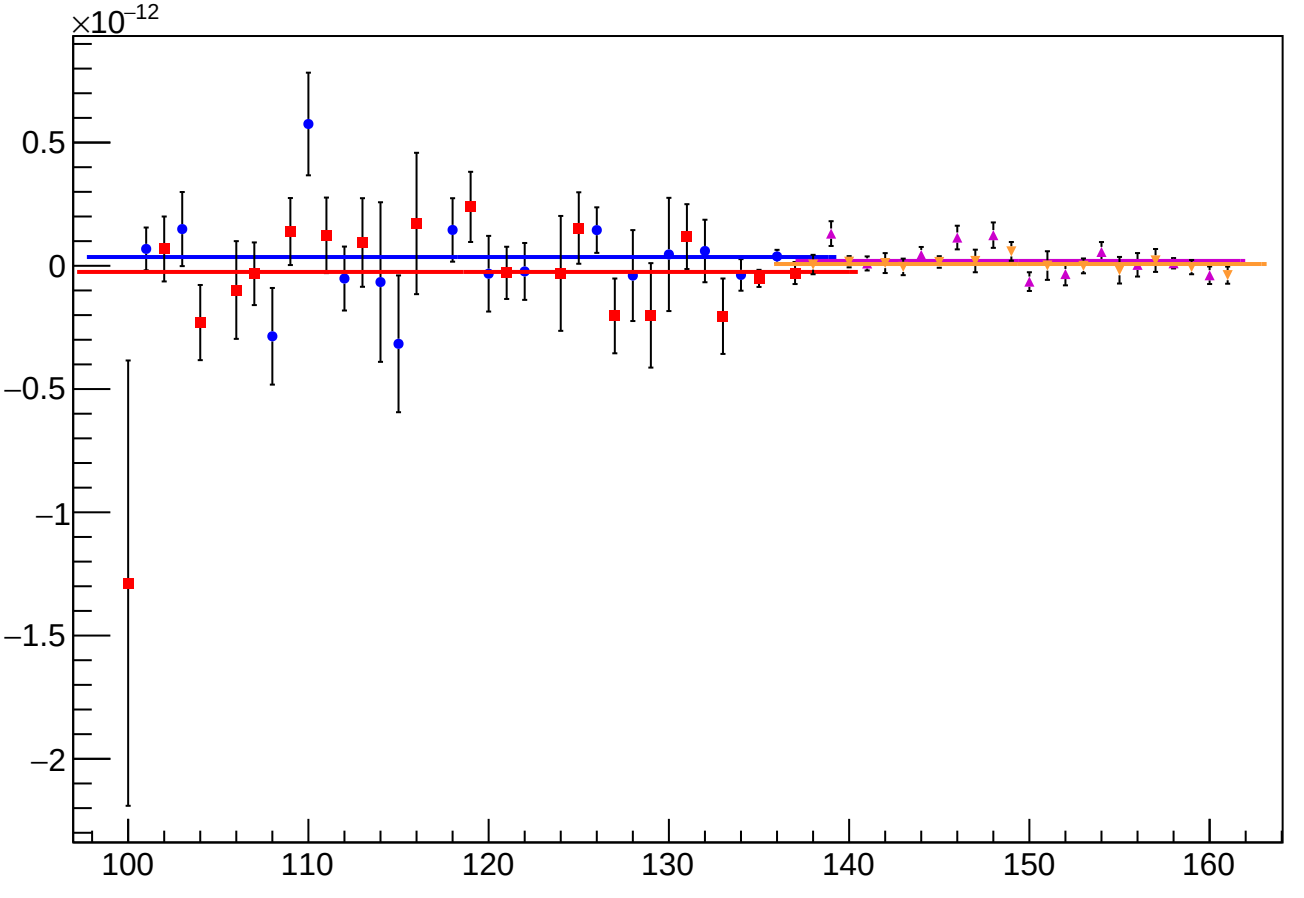
Left: 81.255+/-0.013 χ^2/NDF: 598620.4/23

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 84.198+/-0.015 χ^2/NDF:1378430.9/26

Out: 82.066+/-0.014 χ^2/NDF:1286606.0/31

All: 83.071+/-0.010 χ^2/NDF: 2675837.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.6/10

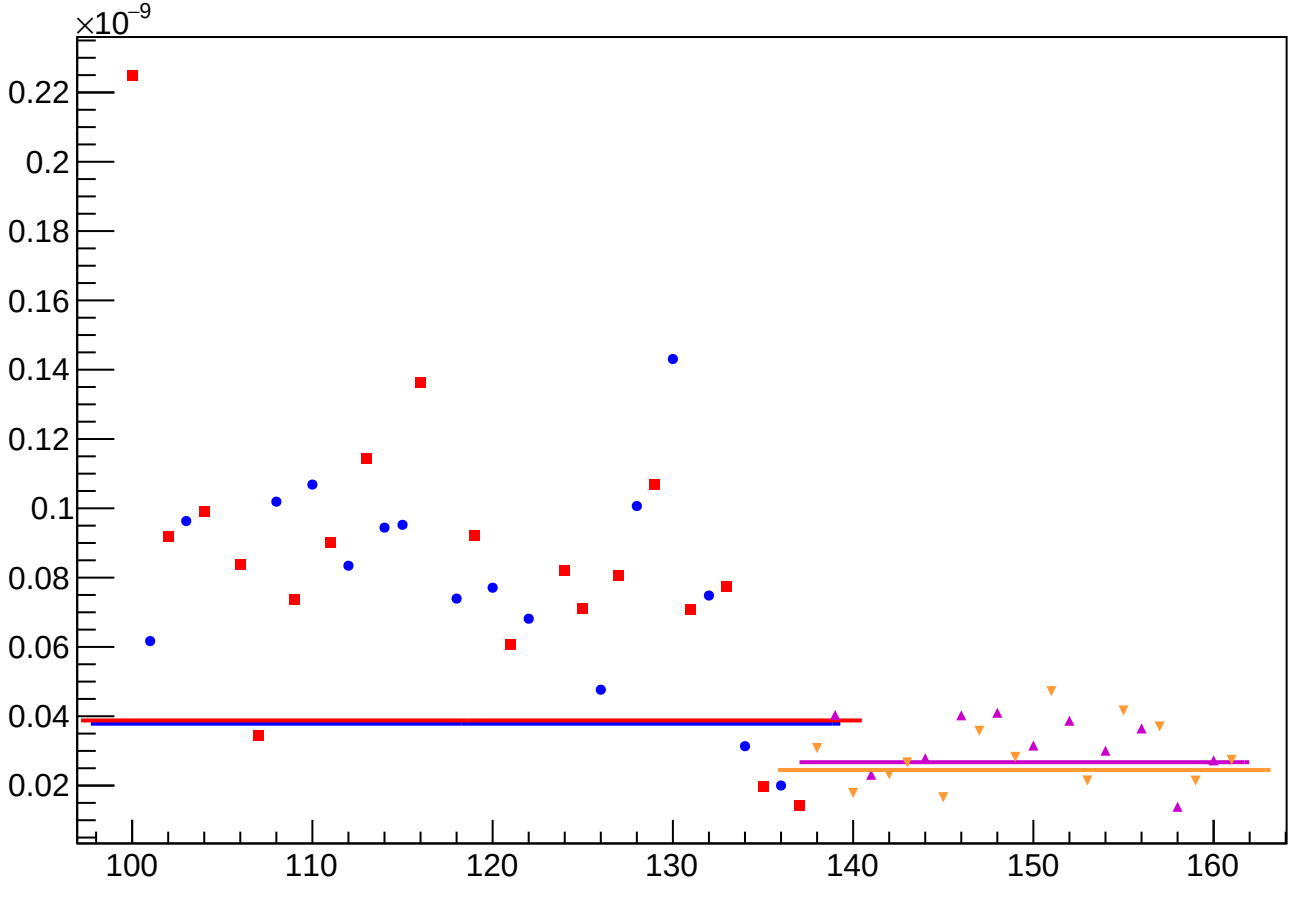
Left: 0.000+/-0.000 χ^2/NDF: 28.9/23

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:40.4/26

Out: 0.000+/-0.000 χ^2/NDF:24.2/31

All: 0.000+/-0.000 χ^2/NDF: 67.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1308286.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1508450.9/10

Left: 0.000+/-0.000 χ^2/NDF: 2865713.6/23

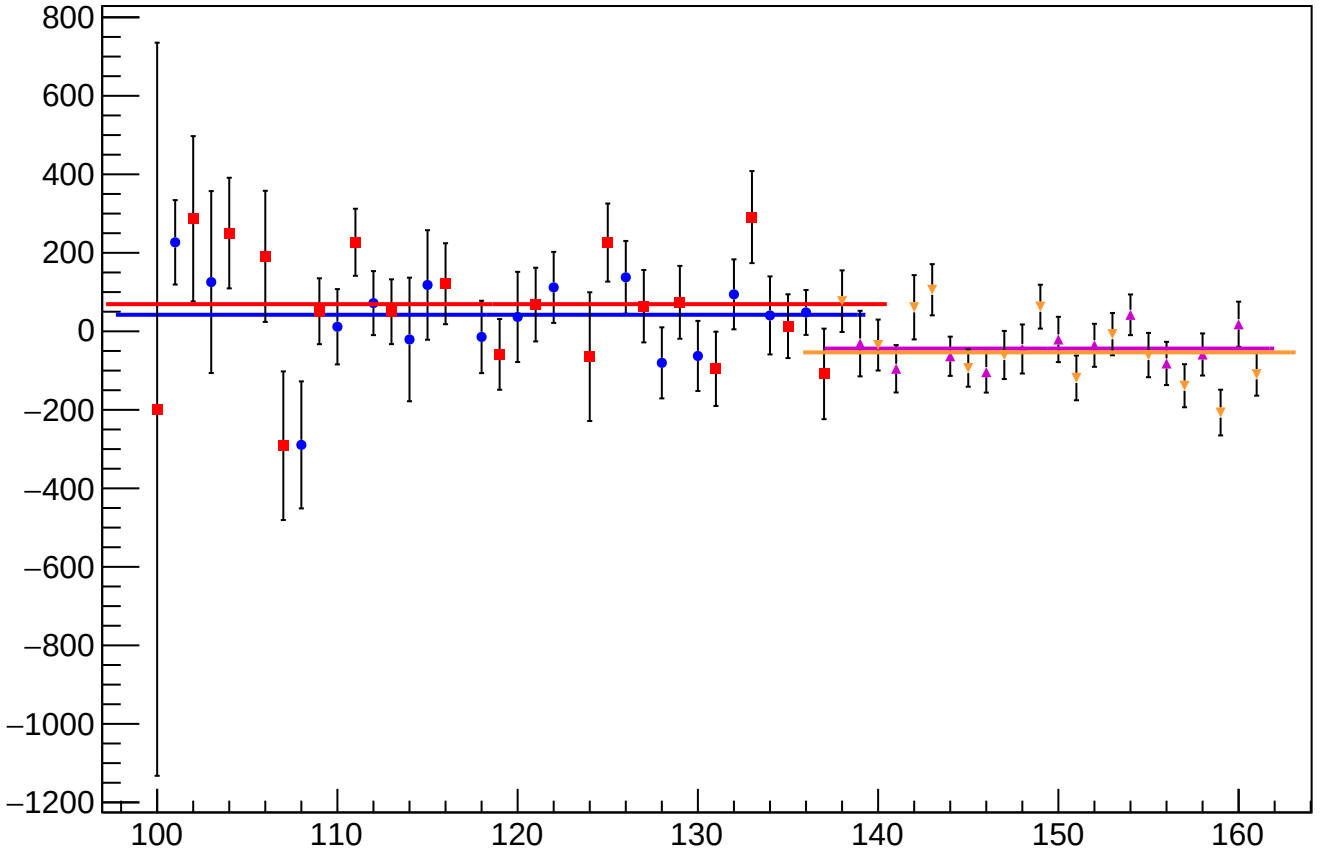
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5422193.2/26

Out: 0.000+/-0.000 χ^2/NDF:6132894.1/31

All: 0.000+/-0.000 χ^2/NDF: 11626062.2/58

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.638+/-16.351 χ^2/NDF:28.3/12

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -43.870+/-17.077 χ^2/NDF:6.9/10

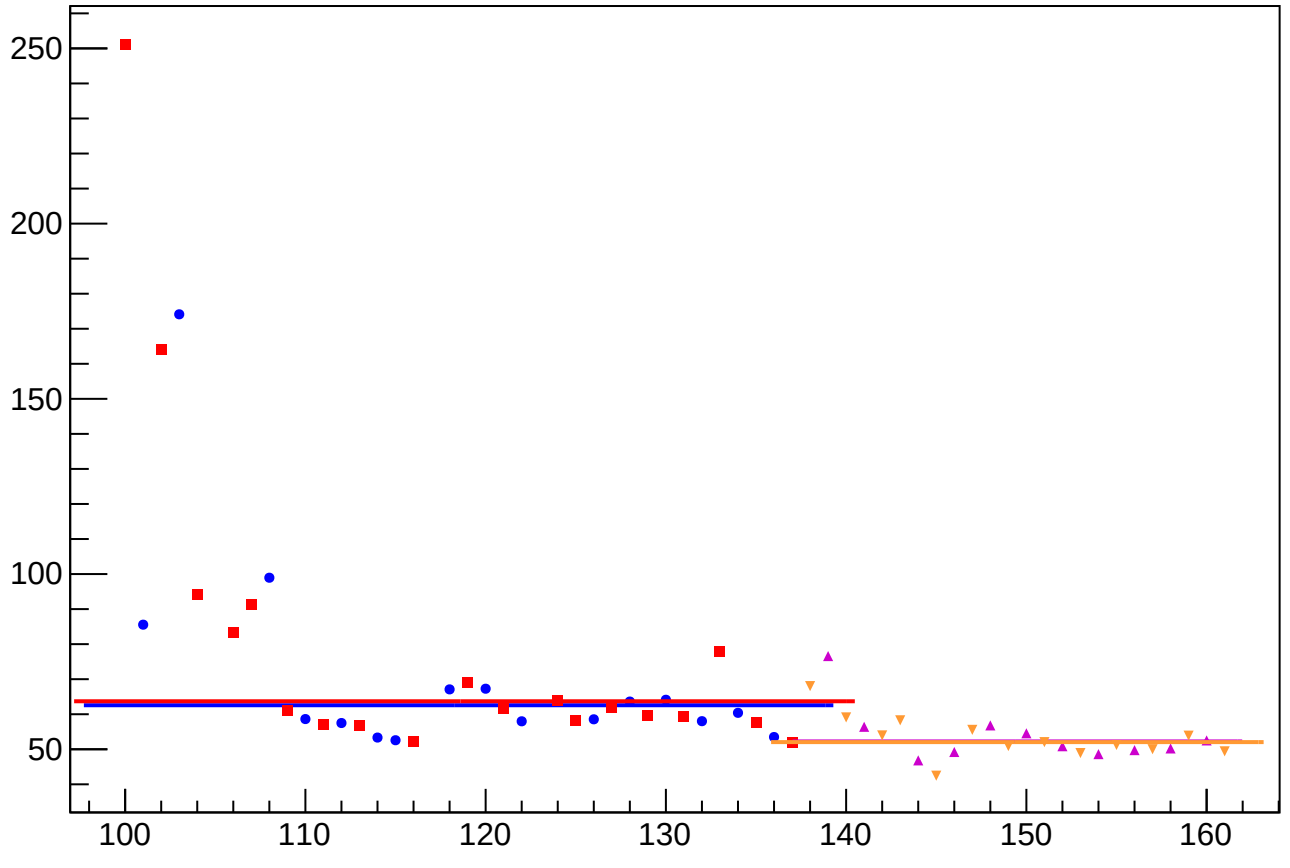
Left: -48.966+/-11.810 χ^2/NDF: 35.3/23

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -15.262+/-13.954 χ^2/NDF:28.9/26

Out: -15.595+/-13.586 χ^2/NDF:71.1/31

All: -15.433+/-9.734 χ^2/NDF: 100.0/58



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

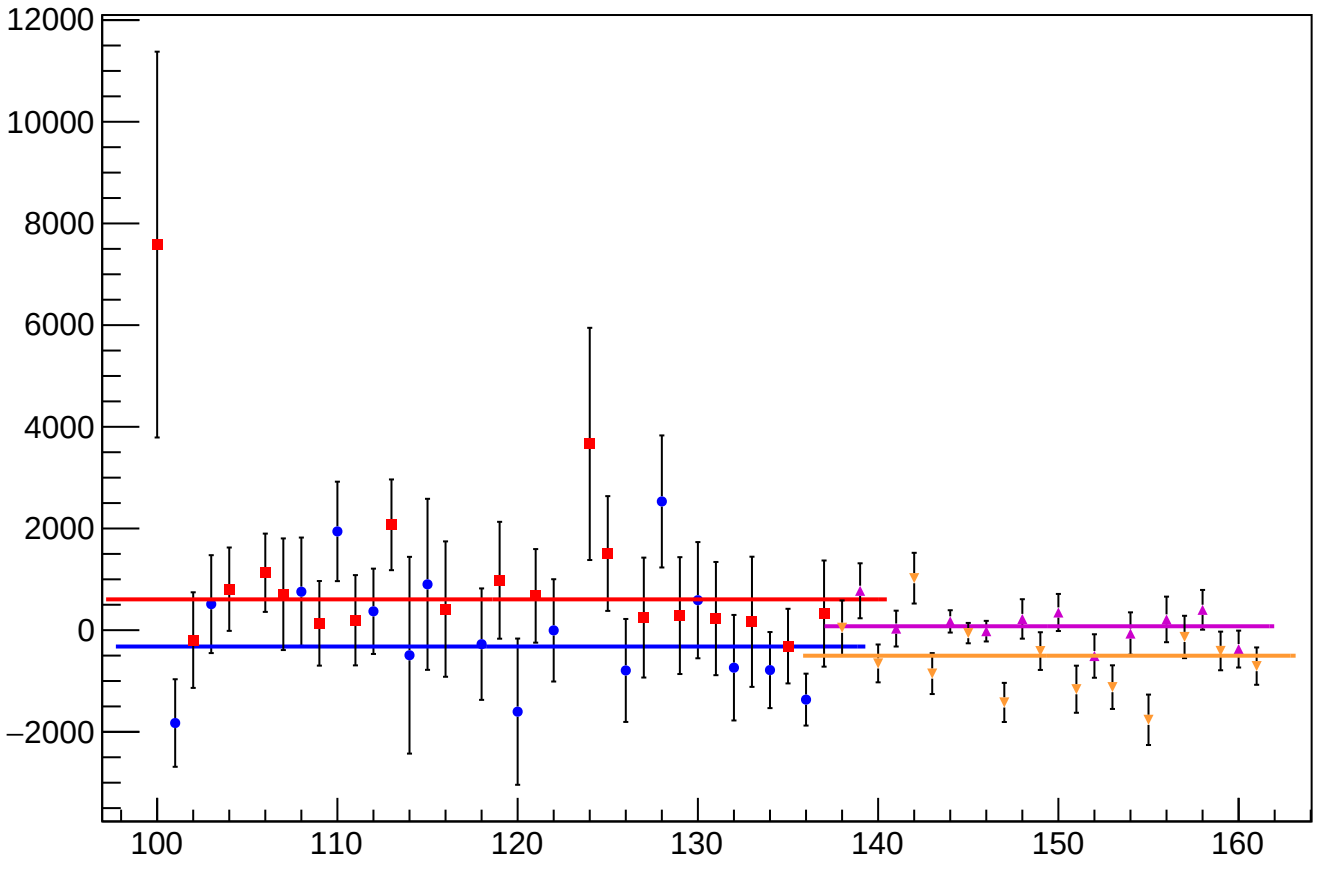
Left: 52.139+/-0.008 χ^2/NDF: 472532.9/23

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 55.671+/-0.010 χ^2/NDF:1243300.9/26

Out: 55.654+/-0.010 χ^2/NDF:1379310.7/31

All: 55.662+/-0.007 χ^2/NDF: 2622613.2/58



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -502.316+/-103.100 χ^2/NDF:33.7/12

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 76.903+/-99.469 χ^2/NDF:7.1/10

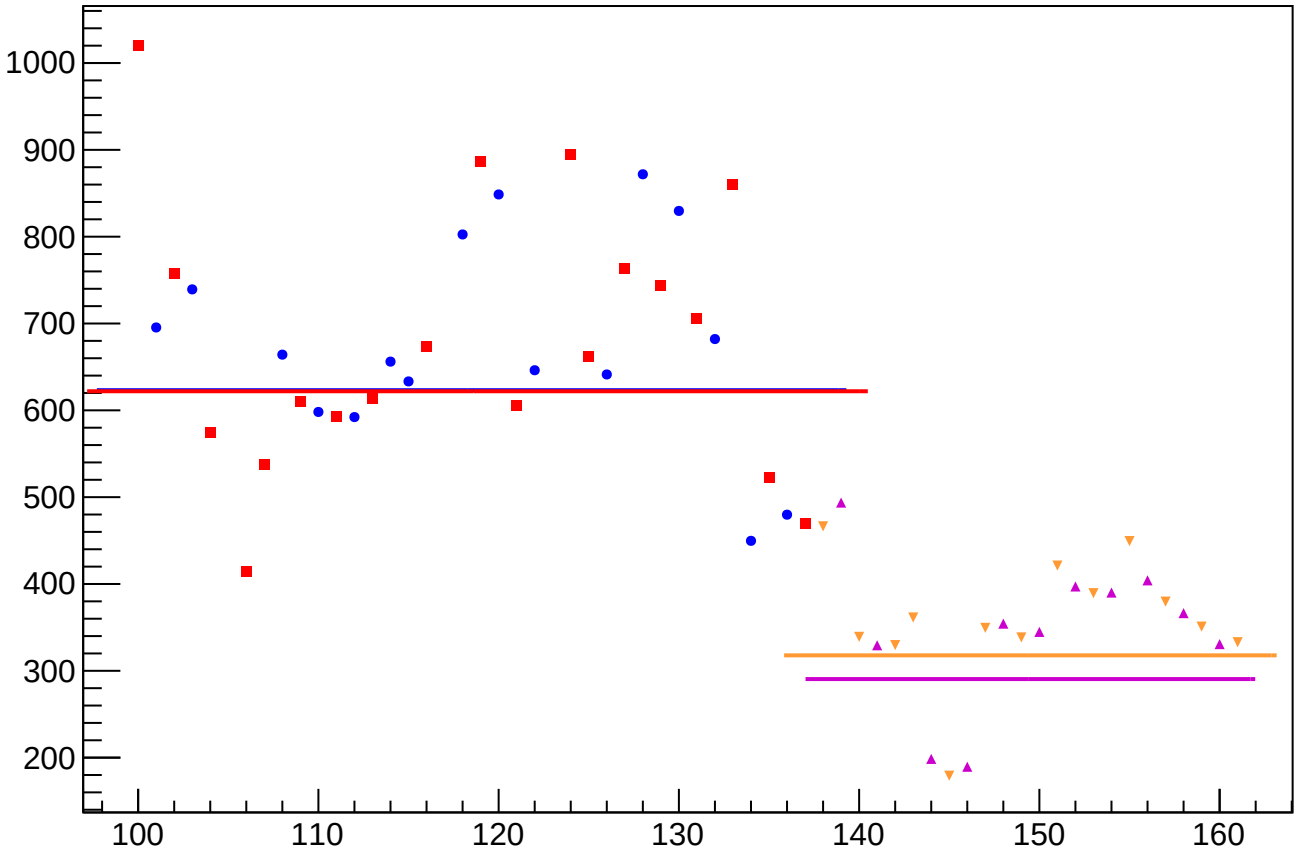
Left: -202.326+/-71.584 χ^2/NDF: 57.2/23

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.841+/-91.803 χ^2/NDF:32.2/26

Out: -321.701+/-94.325 χ^2/NDF:65.0/31

All: -147.331+/-65.788 χ^2/NDF: 103.9/58



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 317.808+/-0.073 χ^2/NDF:1519963.0/12

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 290.493+/-0.070 χ^2/NDF:1720193.0/10

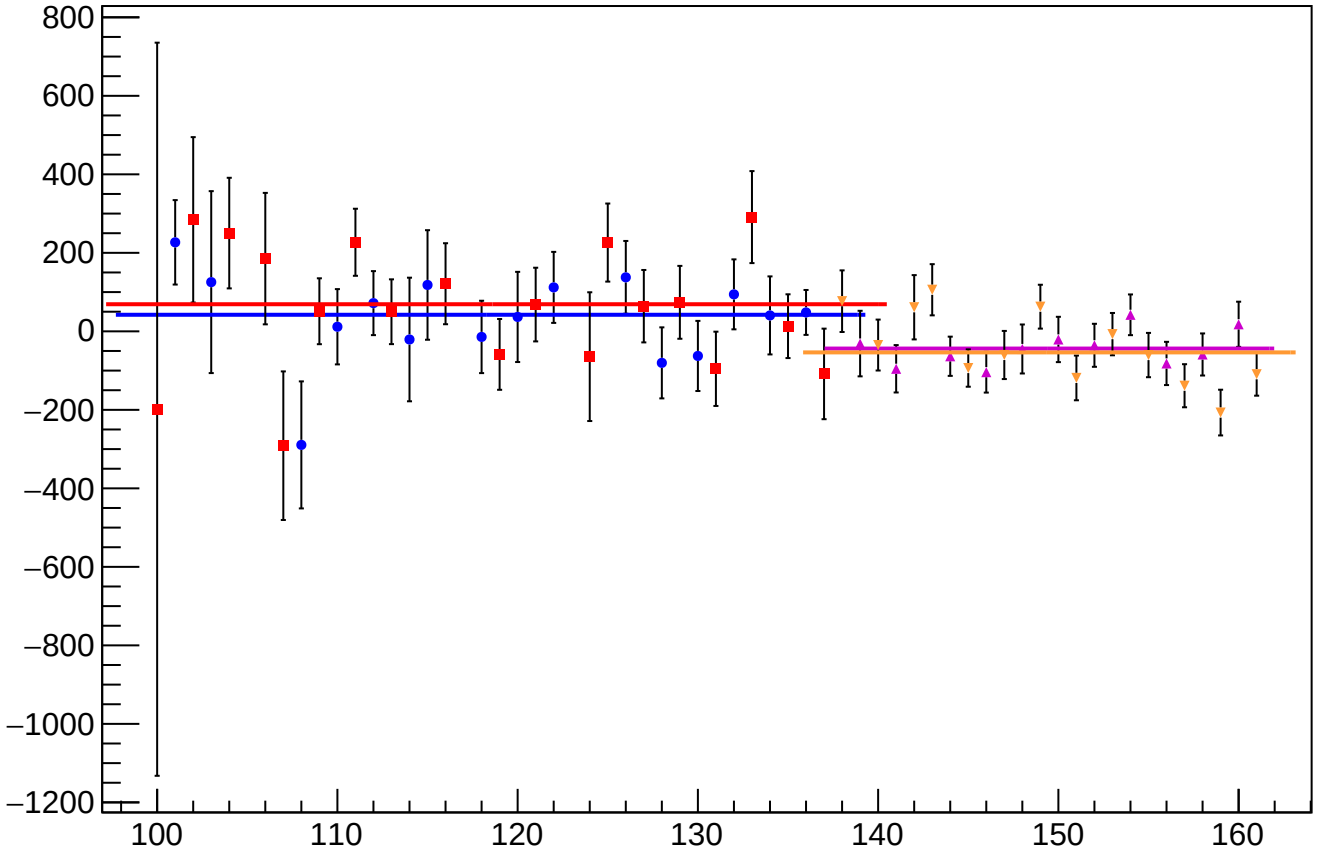
Left: 303.661+/-0.051 χ^2/NDF: 3312862.8/23

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 339.792+/-0.065 χ^2/NDF:5601125.8/26

Out: 367.382+/-0.067 χ^2/NDF:4939699.3/31

All: 353.214+/-0.047 χ^2/NDF: 10628697.9/58



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.637+/-16.351 χ^2/NDF:28.3/12

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -43.868+/-17.077 χ^2/NDF:6.9/10

Left: -48.964+/-11.810 χ^2/NDF: 35.3/23

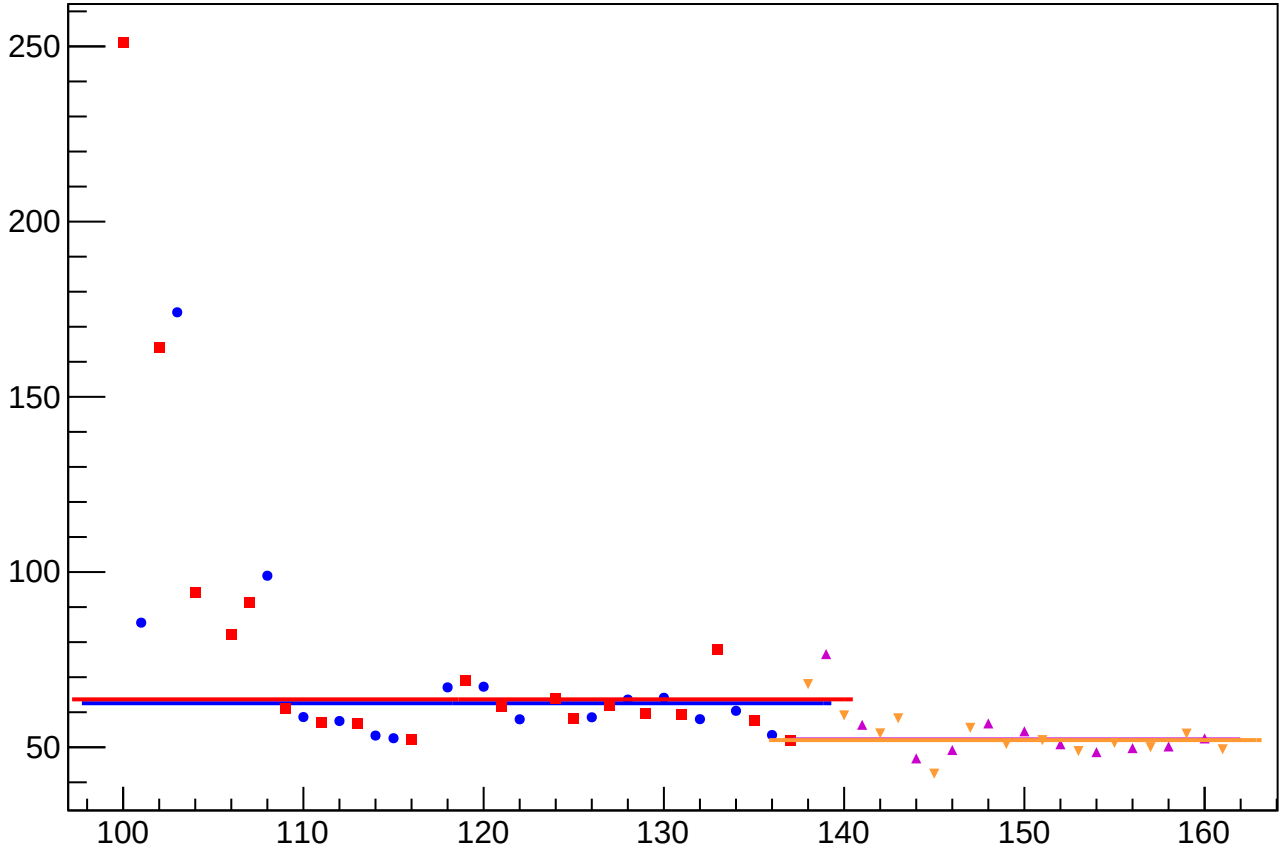
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -15.263+/-13.954 χ^2/NDF:28.9/26

Out: -15.654+/-13.586 χ^2/NDF:71.0/31

All: -15.464+/-9.734 χ^2/NDF: 99.9/58

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

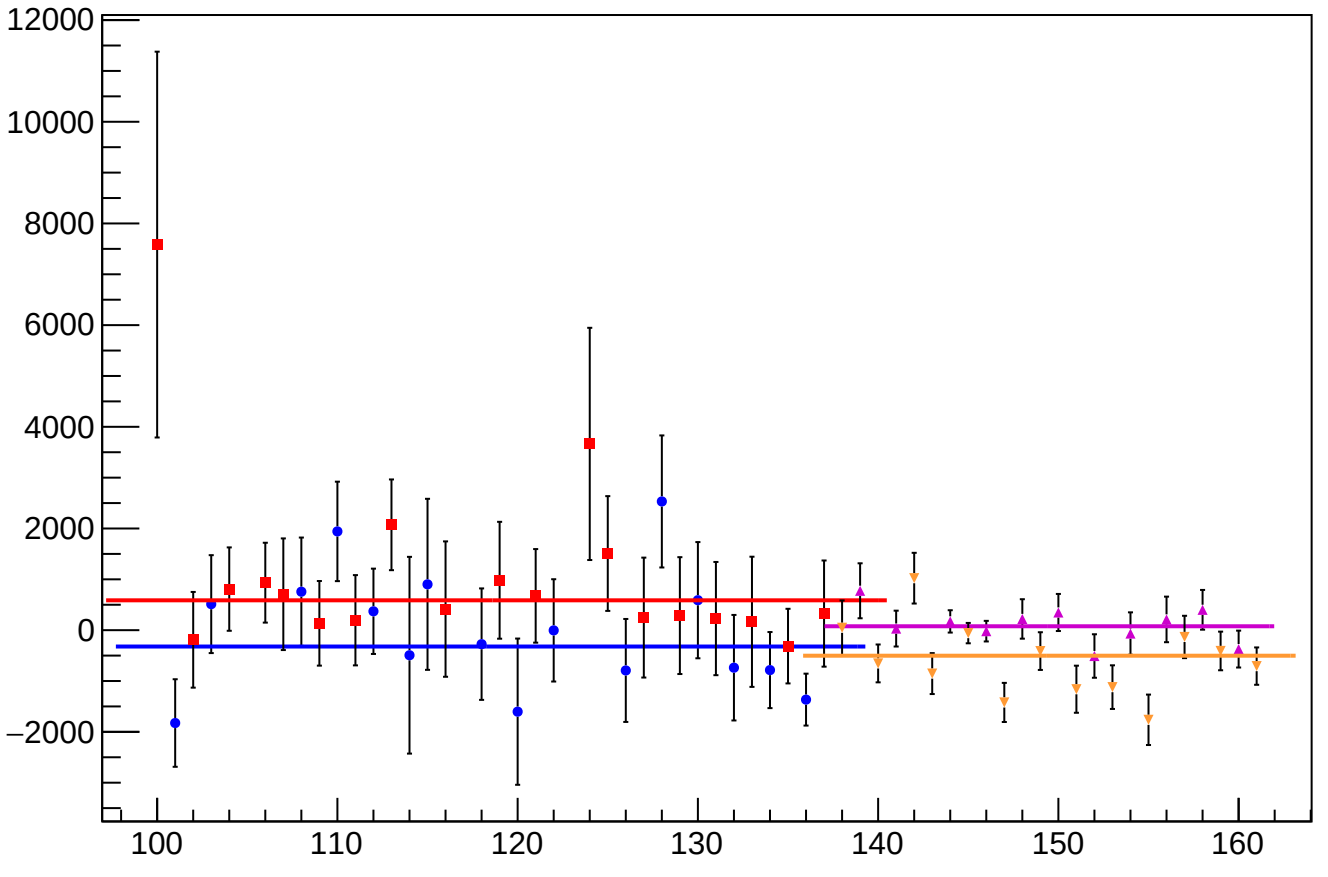
Left: 52.139+/-0.008 χ^2/NDF: 472532.9/23

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.671+/-0.010 χ^2/NDF:1243302.9/26

Out: 55.646+/-0.010 χ^2/NDF:1375235.2/31

All: 55.658+/-0.007 χ^2/NDF: 2618541.5/58



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -502.313+/-103.100 χ^2/NDF:33.7/12

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 76.907+/-99.468 χ^2/NDF:7.1/10

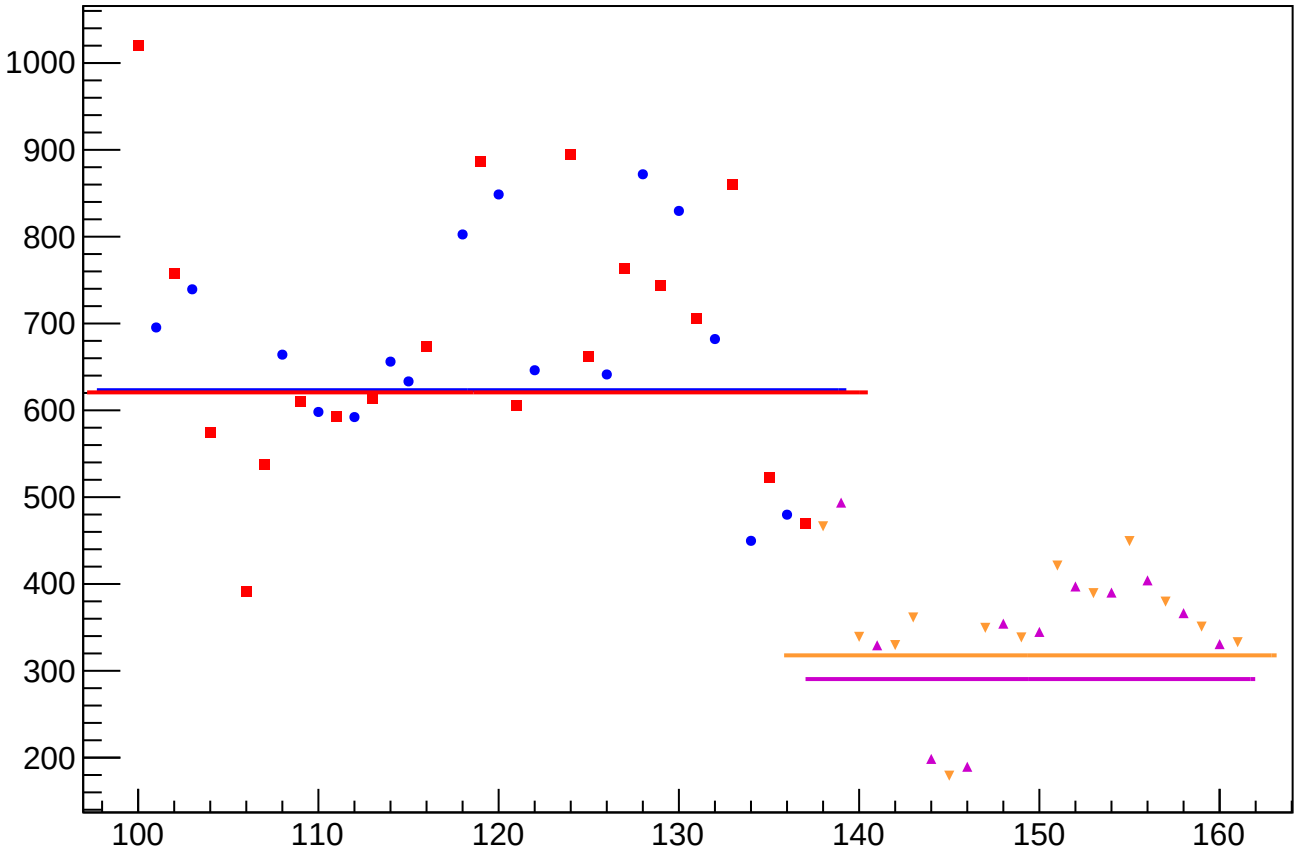
Left: -202.323+/-71.584 χ^2/NDF: 57.2/23

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.846+/-91.803 χ^2/NDF:32.2/26

Out: -325.290+/-94.353 χ^2/NDF:64.1/31

All: -149.023+/-65.798 χ^2/NDF: 103.0/58



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 317.808+/-0.073 χ^2/NDF:1519970.2/12

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

Left: 303.661+/-0.051 χ^2/NDF: 3312876.7/23

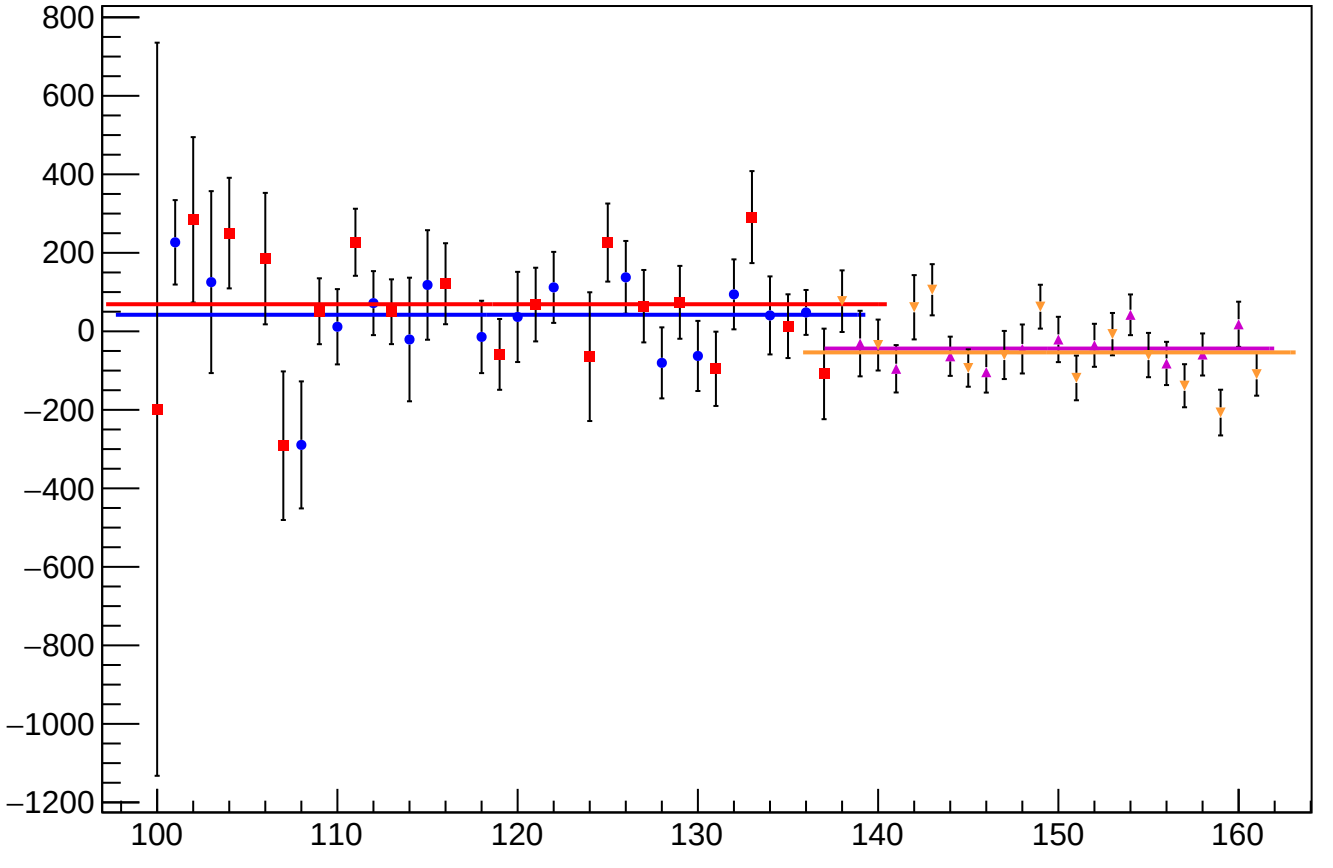
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 339.792+/-0.065 χ^2/NDF:5601192.9/26

Out: 367.016+/-0.067 χ^2/NDF:4934624.9/31

All: 353.031+/-0.047 χ^2/NDF: 10621346.7/58

eigen_cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.637+/-16.351 χ^2/NDF:28.3/12

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -43.868+/-17.077 χ^2/NDF:6.9/10

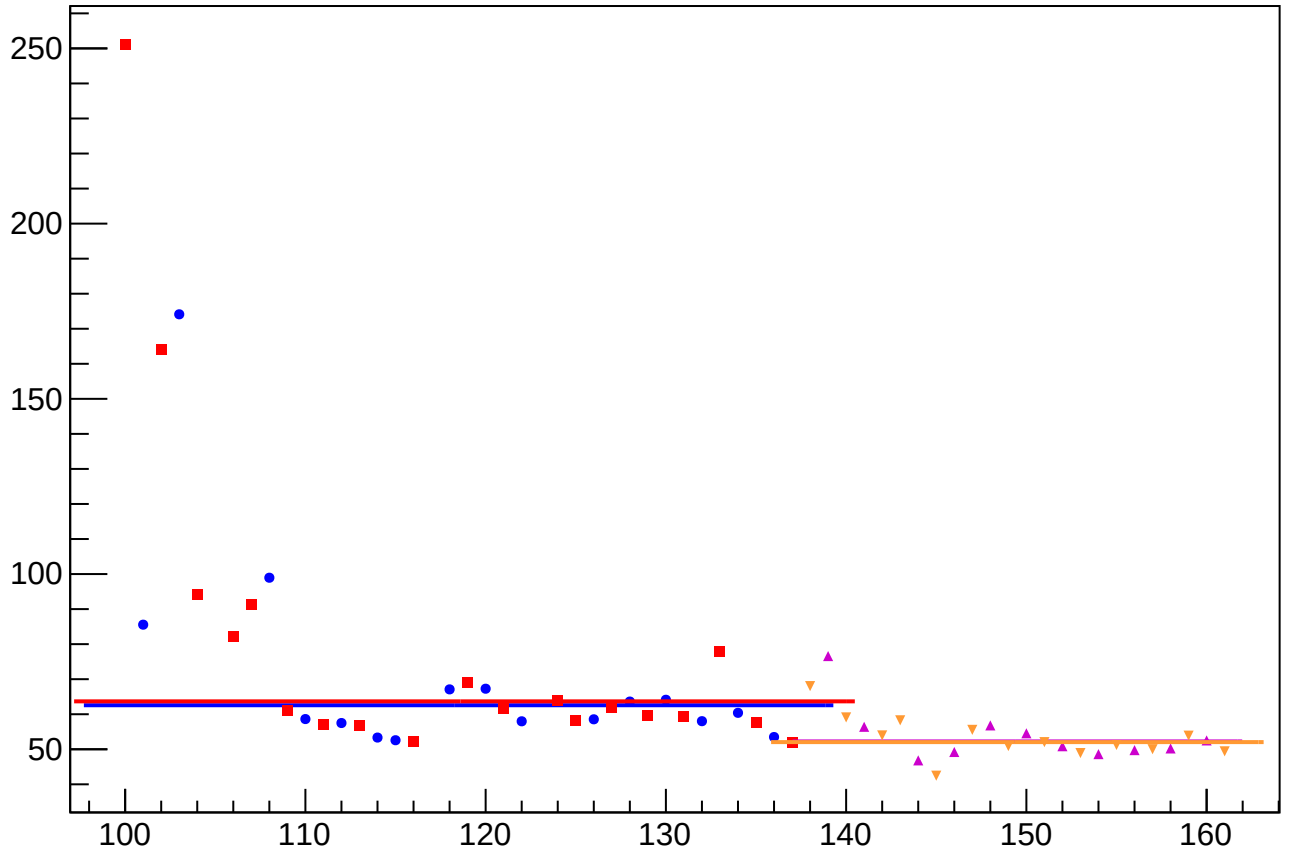
Left: -48.964+/-11.810 χ^2/NDF: 35.3/23

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -15.263+/-13.954 χ^2/NDF:28.9/26

Out: -15.654+/-13.586 χ^2/NDF:71.0/31

All: -15.464+/-9.734 χ^2/NDF: 99.9/58



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

Left: 52.139+/-0.008 χ^2/NDF: 472532.9/23

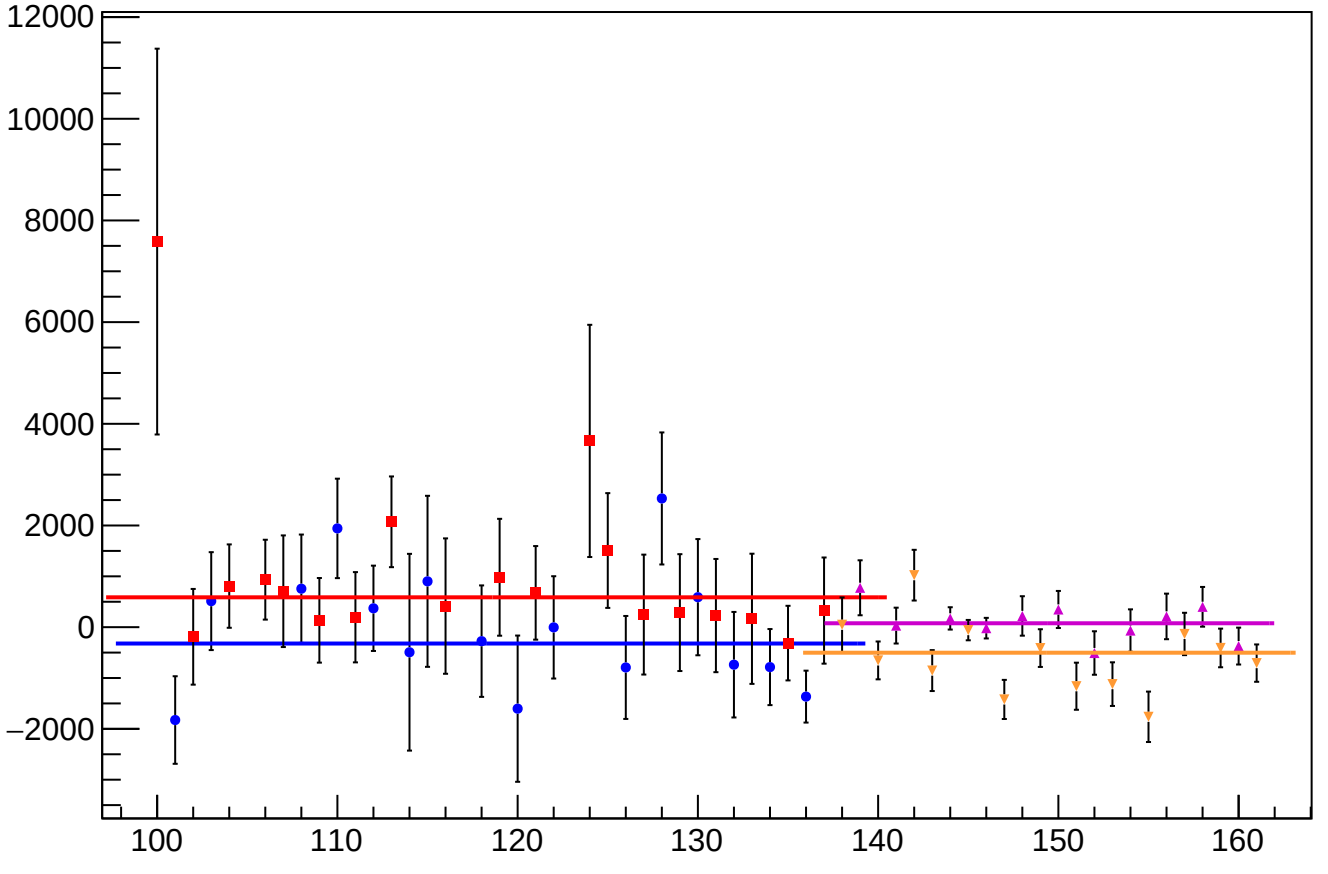
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.671+/-0.010 χ^2/NDF:1243302.9/26

Out: 55.646+/-0.010 χ^2/NDF:1375235.2/31

All: 55.658+/-0.007 χ^2/NDF: 2618541.5/58

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: -502.313+/-103.100 χ^2/NDF:33.7/12

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 76.907+/-99.468 χ^2/NDF:7.1/10

Left: -202.323+/-71.584 χ^2/NDF: 57.2/23

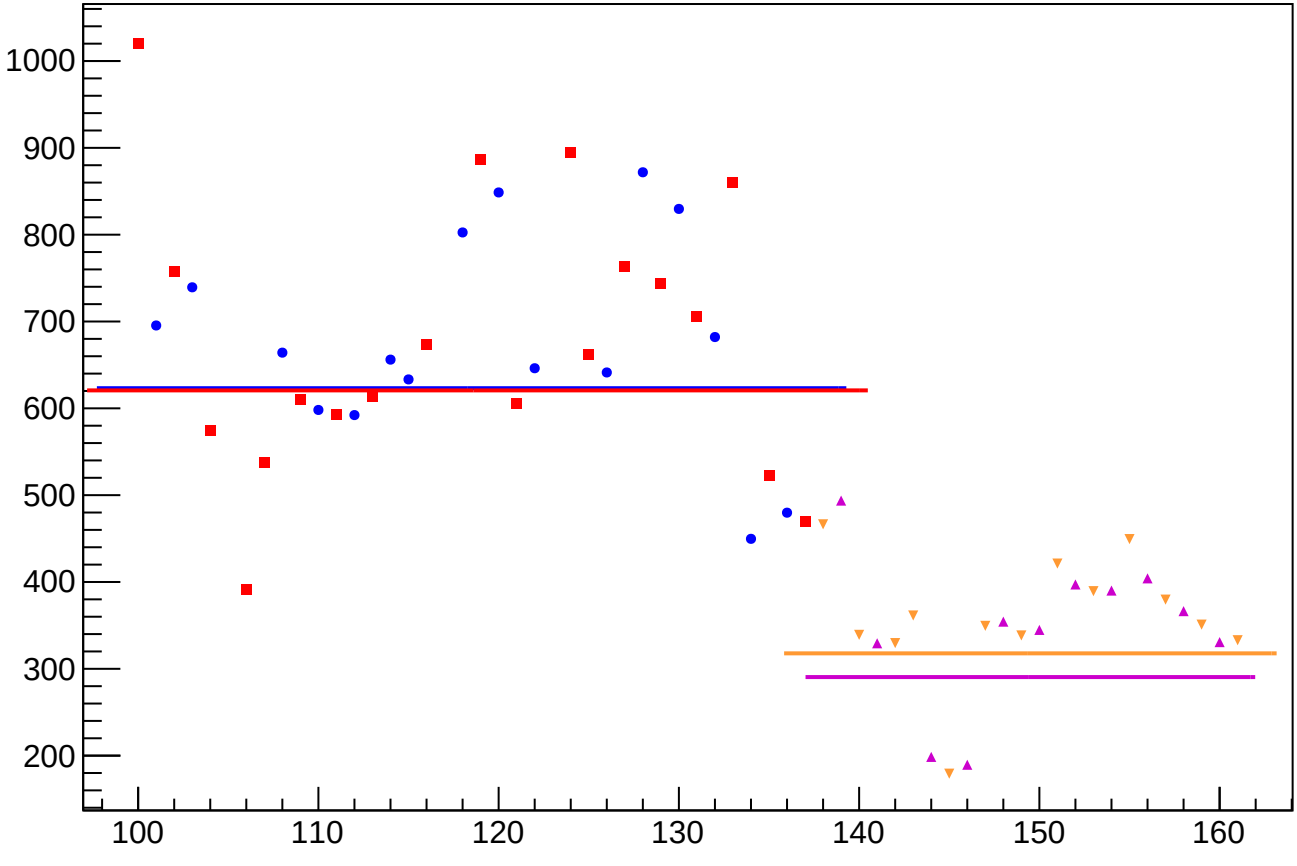
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.846+/-91.803 χ^2/NDF:32.2/26

Out: -325.290+/-94.353 χ^2/NDF:64.1/31

All: -149.023+/-65.798 χ^2/NDF: 103.0/58

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: 317.808+/-0.073 χ^2/NDF:1519970.2/12

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

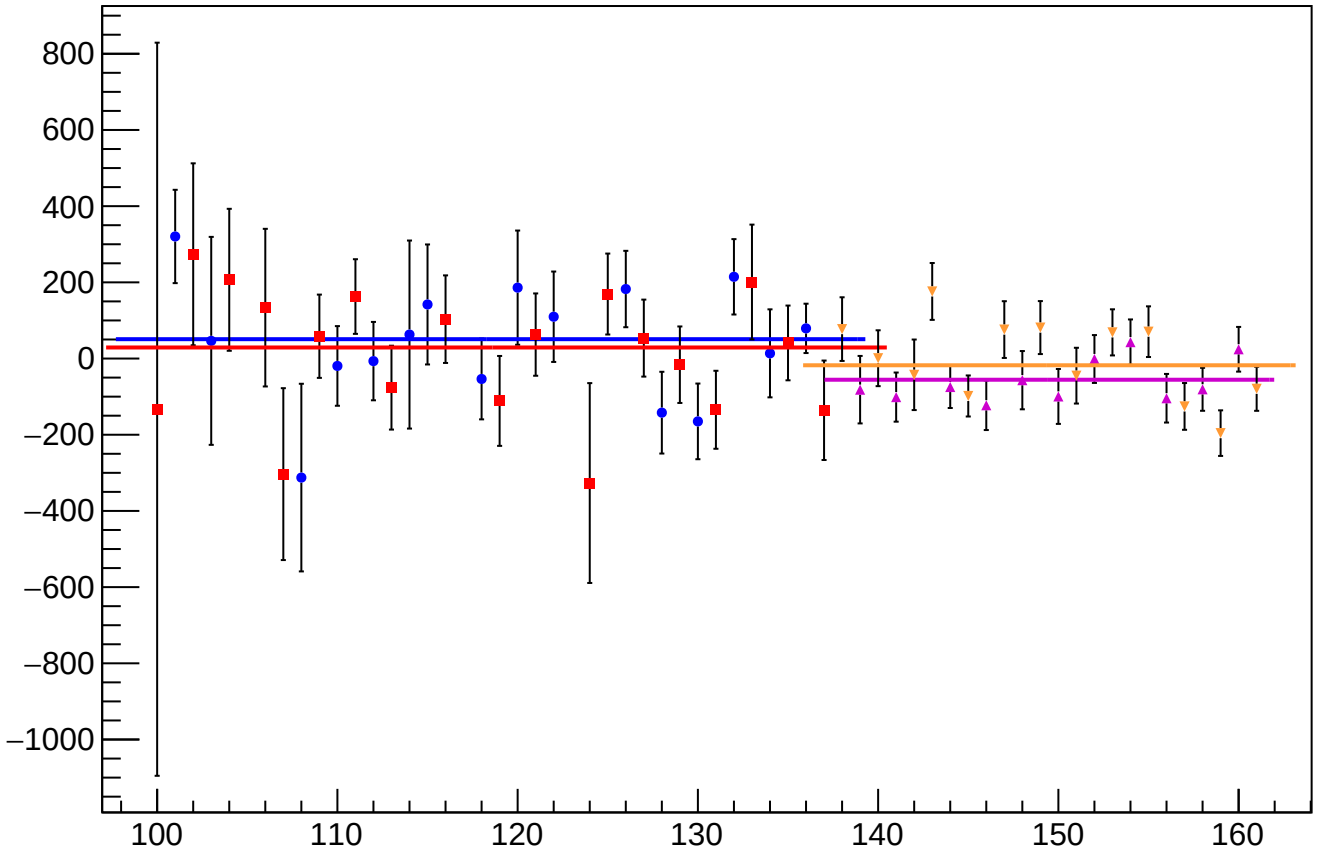
Left: 303.661+/-0.051 χ^2/NDF: 3312876.7/23

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 339.792+/-0.065 χ^2/NDF:5601192.9/26

Out: 367.016+/-0.067 χ^2/NDF:4934624.9/31

All: 353.031+/-0.047 χ^2/NDF: 10621346.7/58



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -17.659+/-18.612 χ^2/NDF:31.0/12

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -55.627+/-19.309 χ^2/NDF:8.3/10

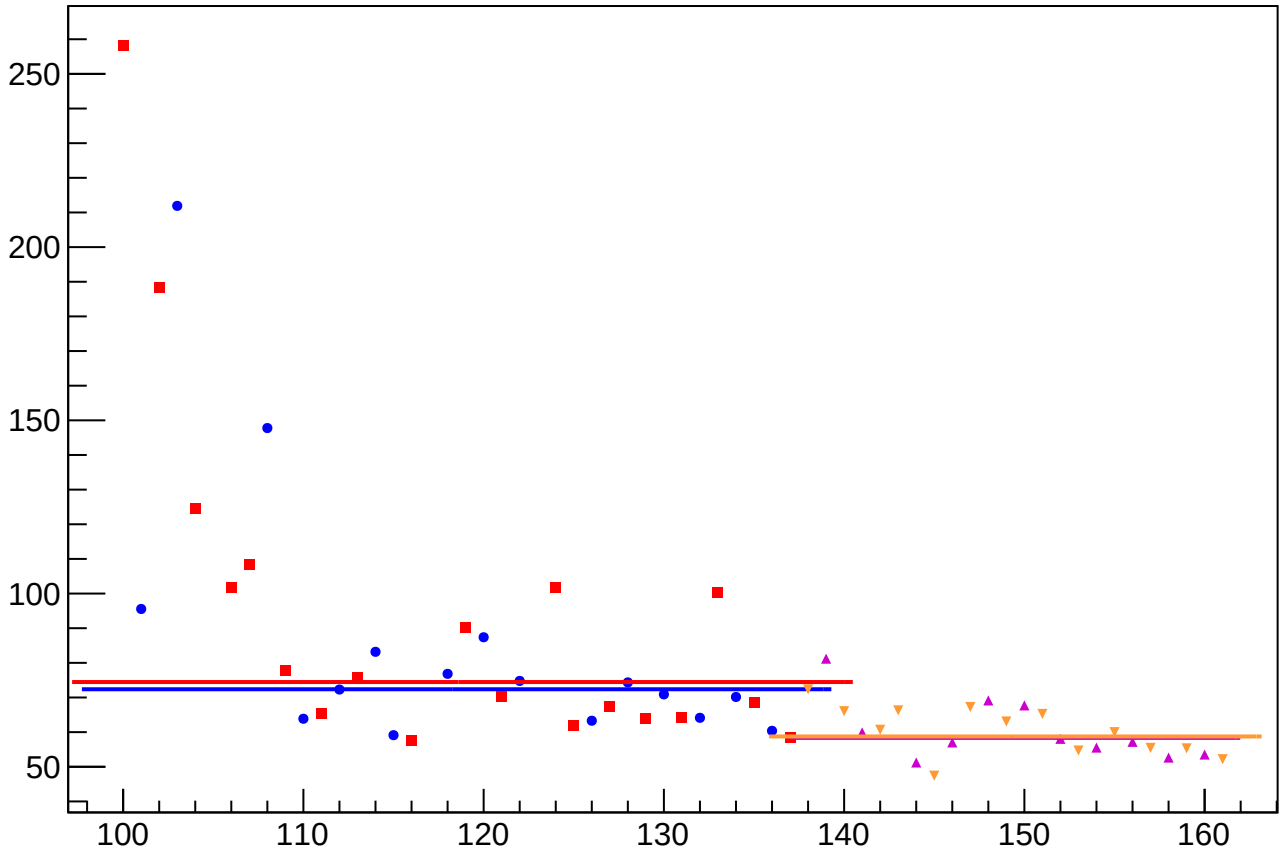
Left: -35.946+/-13.400 χ^2/NDF: 41.3/23

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -21.833+/-15.953 χ^2/NDF:40.8/26

Out: -3.975+/-15.649 χ^2/NDF:51.4/31

All: -12.733+/-11.172 χ^2/NDF: 92.8/58



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.752+/-0.013 χ^2/NDF:279679.4/12

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.337+/-0.014 χ^2/NDF:281227.2/10

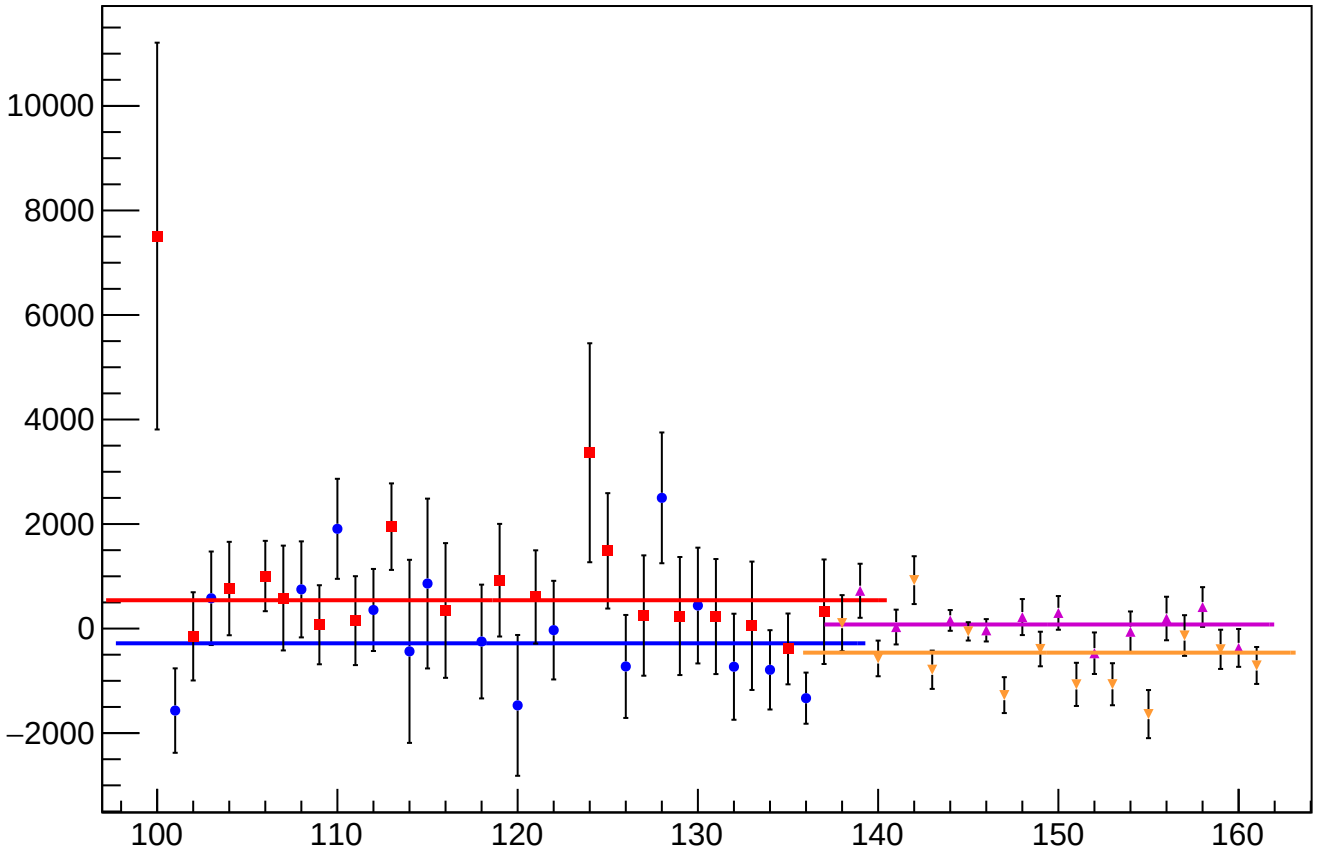
Left: 58.552+/-0.009 χ^2/NDF: 561384.6/23

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 62.794+/-0.011 χ^2/NDF:1555061.1/26

Out: 63.356+/-0.011 χ^2/NDF:1749604.6/31

All: 63.080+/-0.008 χ^2/NDF: 3305930.7/58



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -460.841+/-94.132 χ^2/NDF:34.4/12

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 78.144+/-94.782 χ^2/NDF:7.1/10

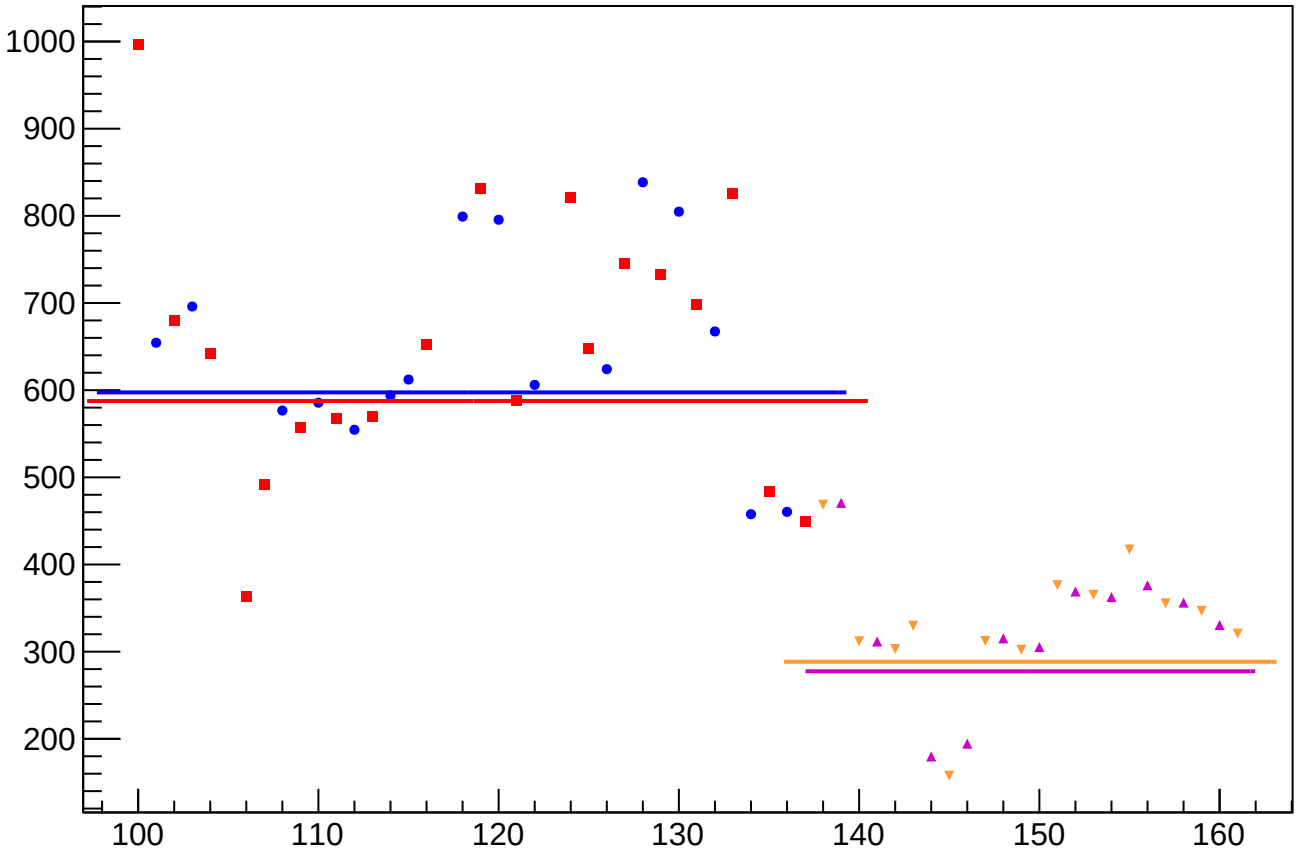
Left: -193.202+/-66.790 χ^2/NDF: 57.7/23

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 24.988+/-87.509 χ^2/NDF:32.0/26

Out: -306.725+/-86.597 χ^2/NDF:65.1/31

All: -142.605+/-61.553 χ^2/NDF: 104.3/58



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 288.400+/-0.067 χ^2/NDF:1829849.3/12

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 277.459+/-0.067 χ^2/NDF:1568533.5/10

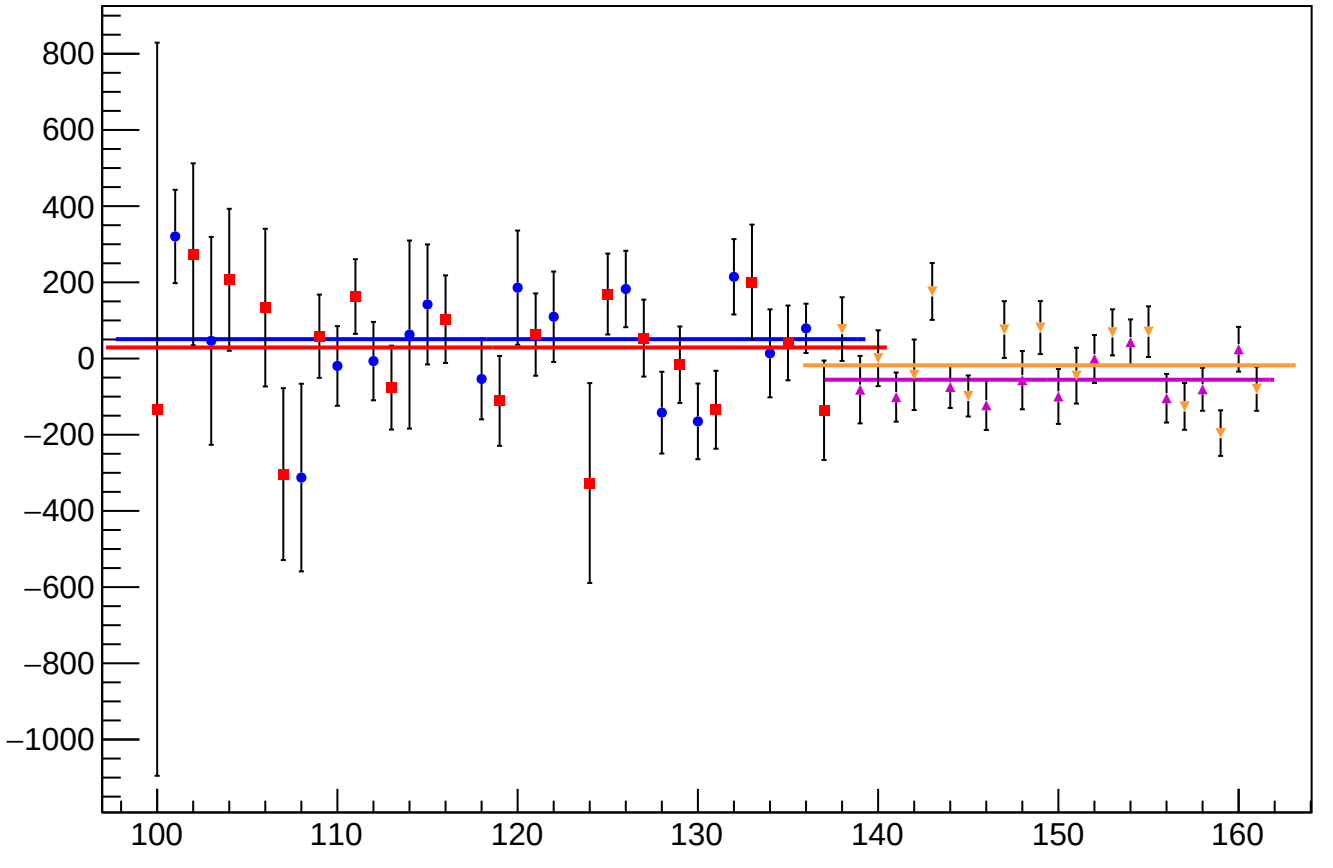
Left: 282.967+/-0.047 χ^2/NDF: 3411798.5/23

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 324.682+/-0.062 χ^2/NDF:5466349.0/26

Out: 334.374+/-0.061 χ^2/NDF:5623320.2/31

All: 329.579+/-0.044 χ^2/NDF: 11102062.9/58



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -17.658+/-18.612 χ^2/NDF:31.1/12

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -55.627+/-19.309 χ^2/NDF:8.3/10

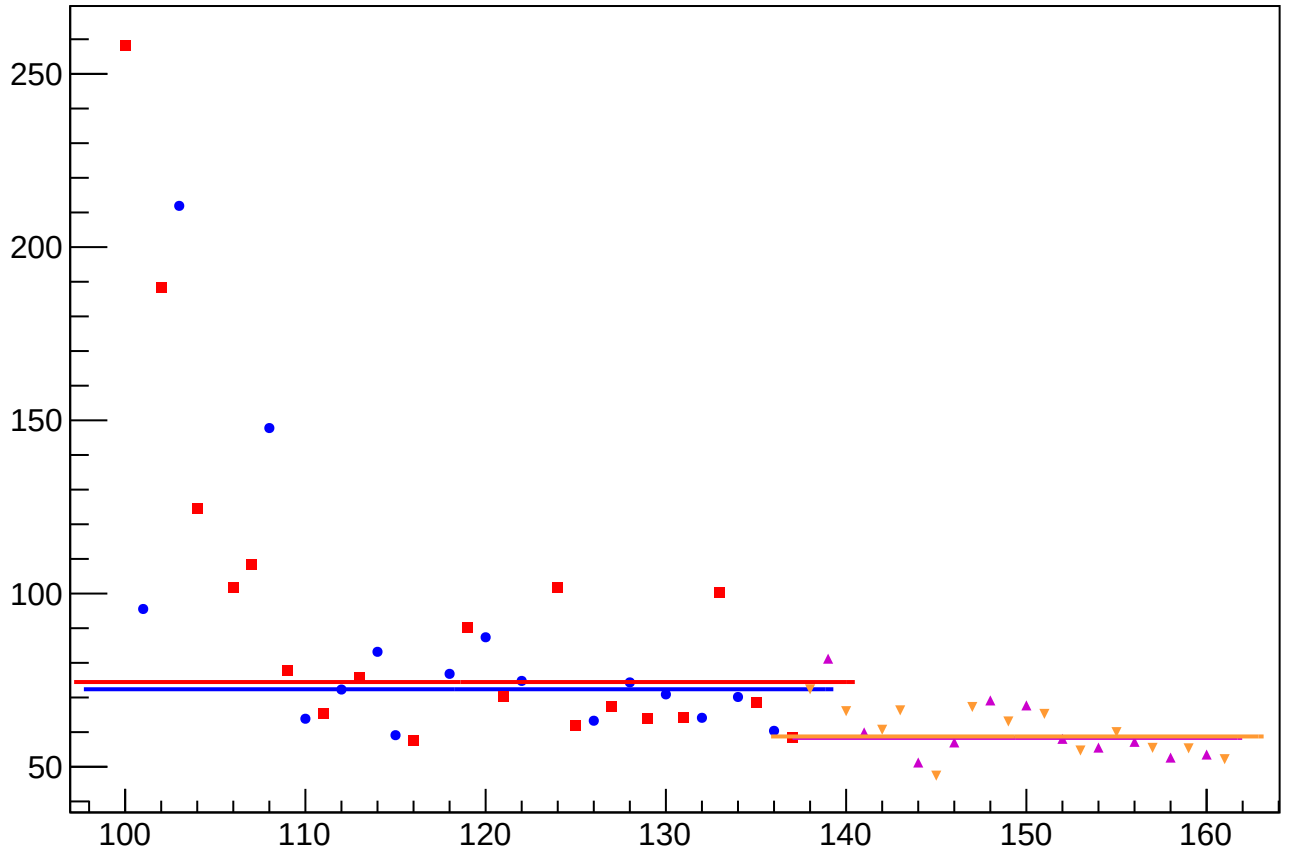
Left: -35.945+/-13.401 χ^2/NDF: 41.3/23

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -21.833+/-15.953 χ^2/NDF:40.8/26

Out: -3.975+/-15.650 χ^2/NDF:51.4/31

All: -12.732+/-11.172 χ^2/NDF: 92.8/58



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.752+/-0.013 χ^2/NDF:279692.1/12

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.337+/-0.014 χ^2/NDF:281230.7/10

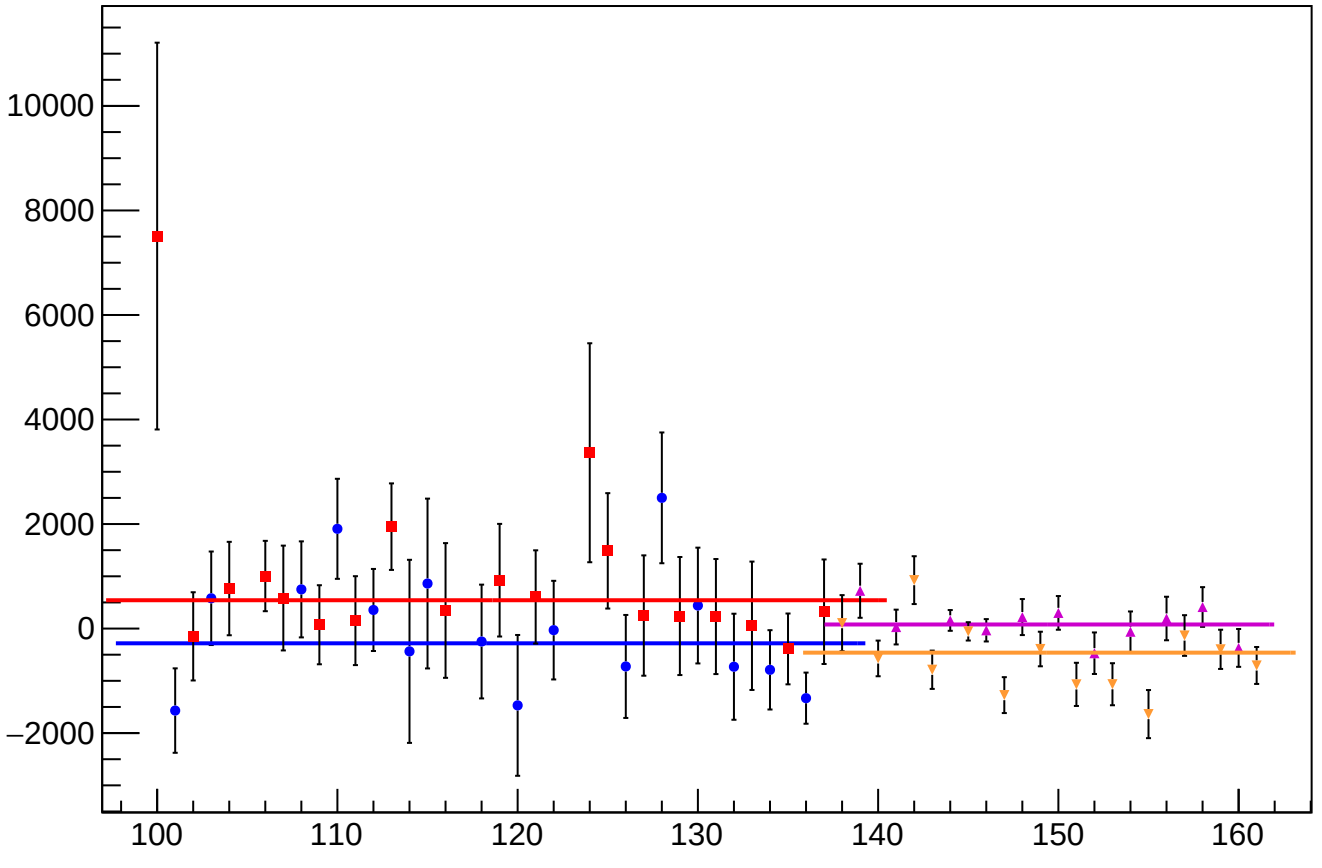
Left: 58.552+/-0.009 χ^2/NDF: 561400.9/23

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 62.794+/-0.011 χ^2/NDF:1555054.8/26

Out: 63.356+/-0.011 χ^2/NDF:1749595.8/31

All: 63.080+/-0.008 χ^2/NDF: 3305915.8/58



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -460.841+/-94.132 χ^2/NDF:34.4/12

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 78.144+/-94.782 χ^2/NDF:7.1/10

Left: -193.202+/-66.790 χ^2/NDF: 57.7/23

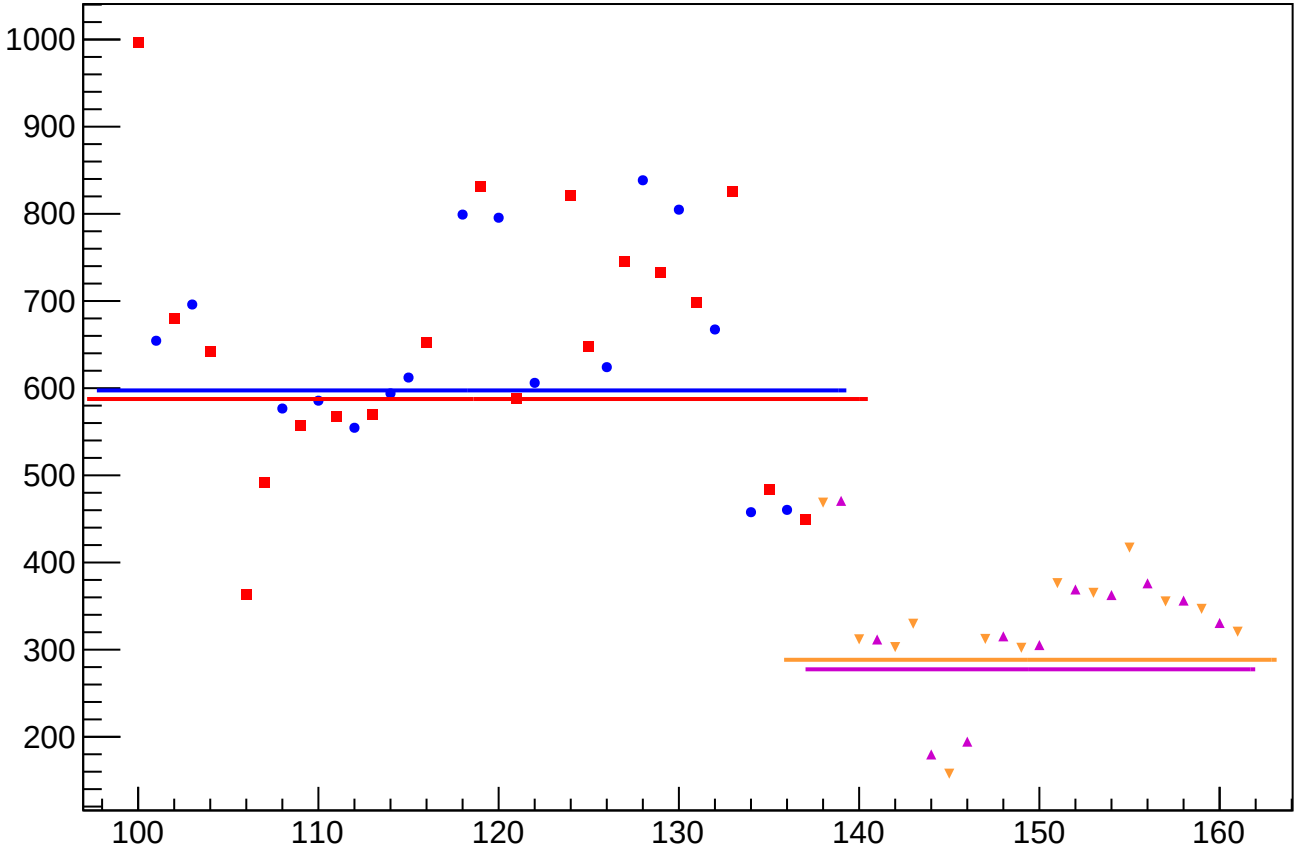
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 24.988+/-87.509 χ^2/NDF:32.0/26

Out: -306.726+/-86.597 χ^2/NDF:65.1/31

All: -142.605+/-61.553 χ^2/NDF: 104.3/58

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 288.399+/-0.067 χ^2/NDF:1829838.3/12

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 277.459+/-0.067 χ^2/NDF:1568526.5/10

Left: 282.967+/-0.047 χ^2/NDF: 3411780.7/23

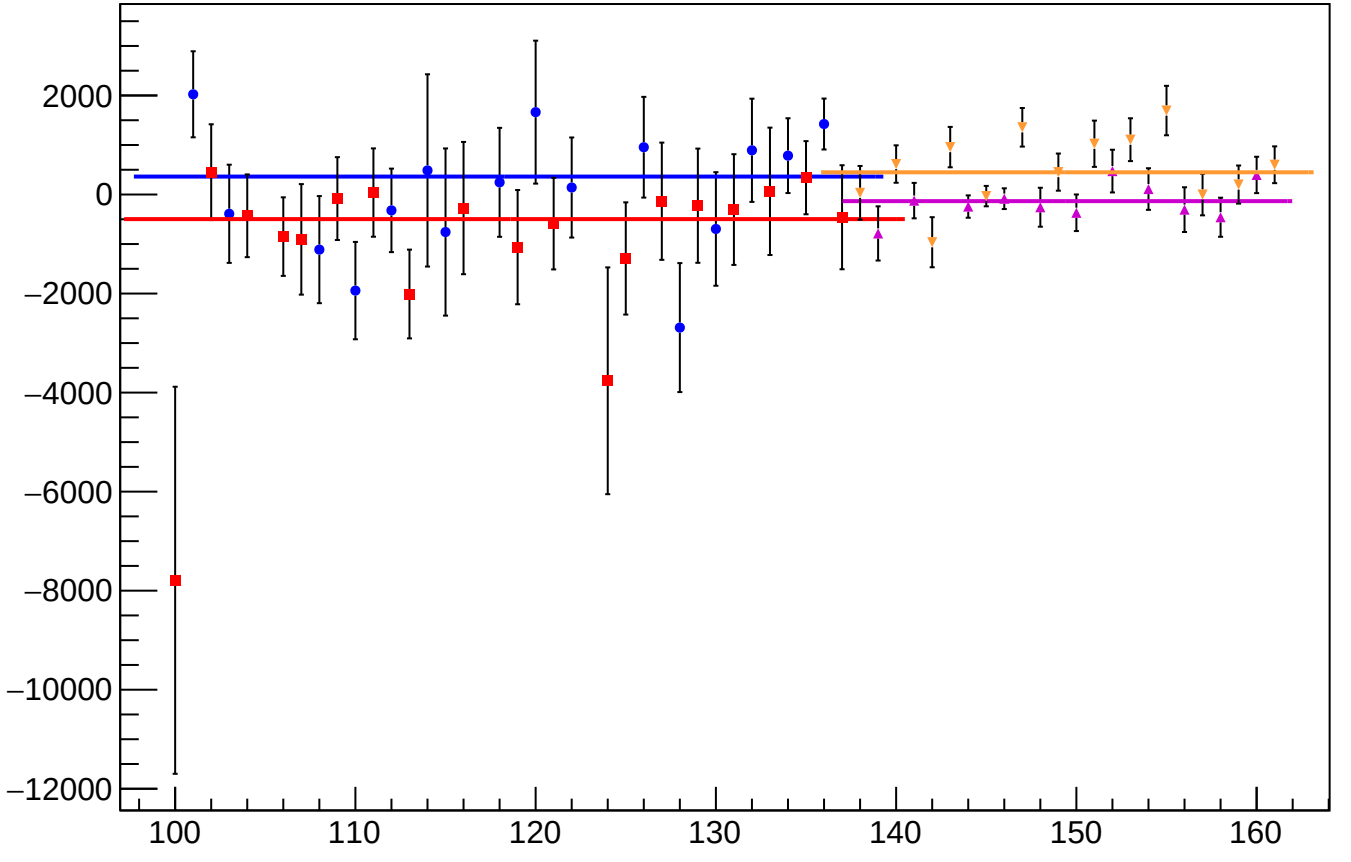
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 324.682+/-0.062 χ^2/NDF:5466351.5/26

Out: 334.374+/-0.061 χ^2/NDF:5623309.2/31

All: 329.578+/-0.044 χ^2/NDF: 11102054.5/58

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 448.931+/-104.718 χ^2/NDF:32.8/12

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -133.577+/-101.463 χ^2/NDF:7.4/10

Left: 148.483+/-72.869 χ^2/NDF: 56.2/23

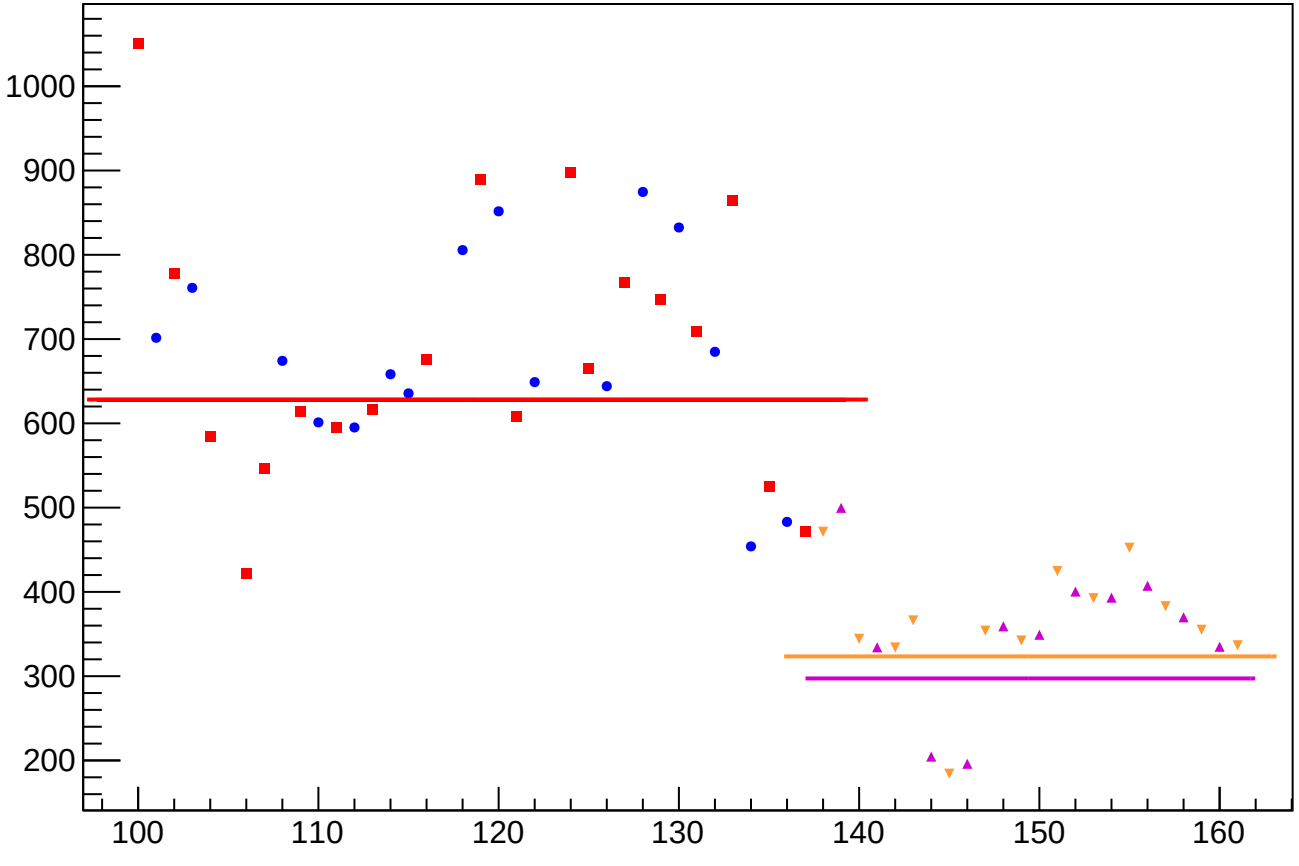
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -58.537+/-93.472 χ^2/NDF:36.1/26

Out: 293.416+/-95.720 χ^2/NDF:58.9/31

All: 113.259+/-66.876 χ^2/NDF: 102.0/58

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 323.467+/-0.074 χ^2/NDF:1441882.5/12

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 297.327+/-0.072 χ^2/NDF:1614157.0/10

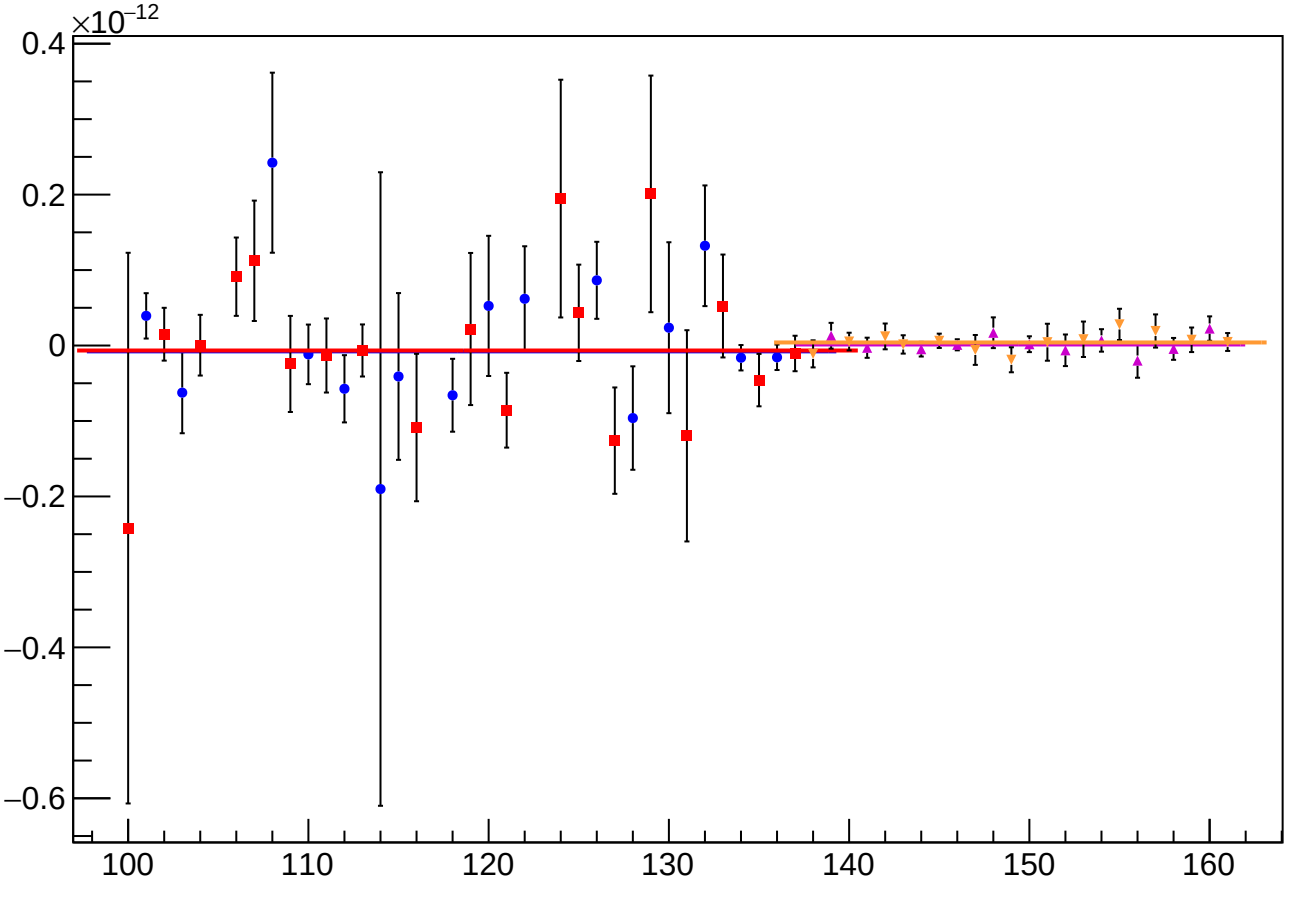
Left: 309.984+/-0.052 χ^2/NDF: 3120315.6/23

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 347.343+/-0.066 χ^2/NDF:5393038.7/26

Out: 373.593+/-0.068 χ^2/NDF:4799276.0/31

All: 360.157+/-0.047 χ^2/NDF: 10269306.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/10

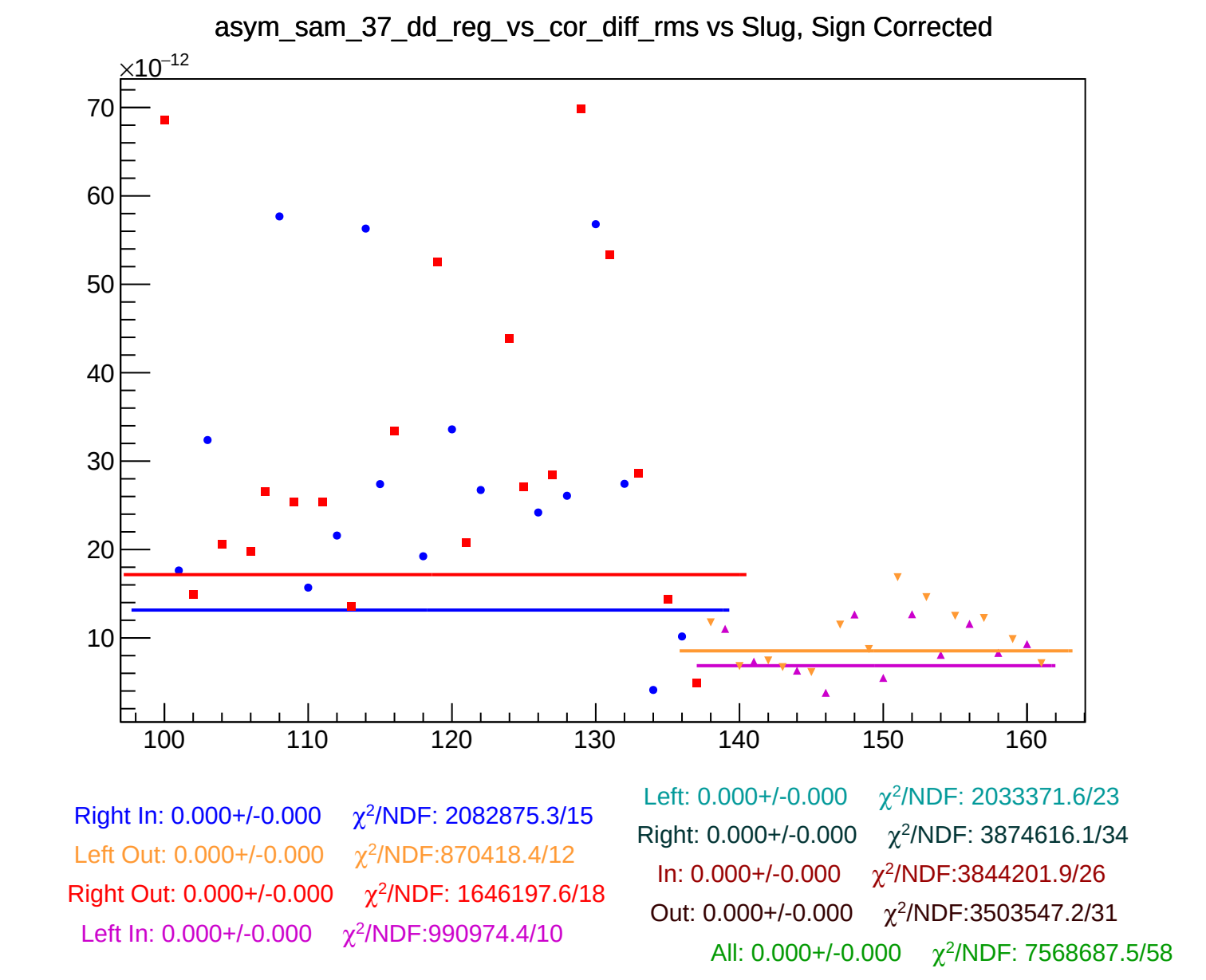
Left: 0.000+/-0.000 χ^2/NDF: 9.9/23

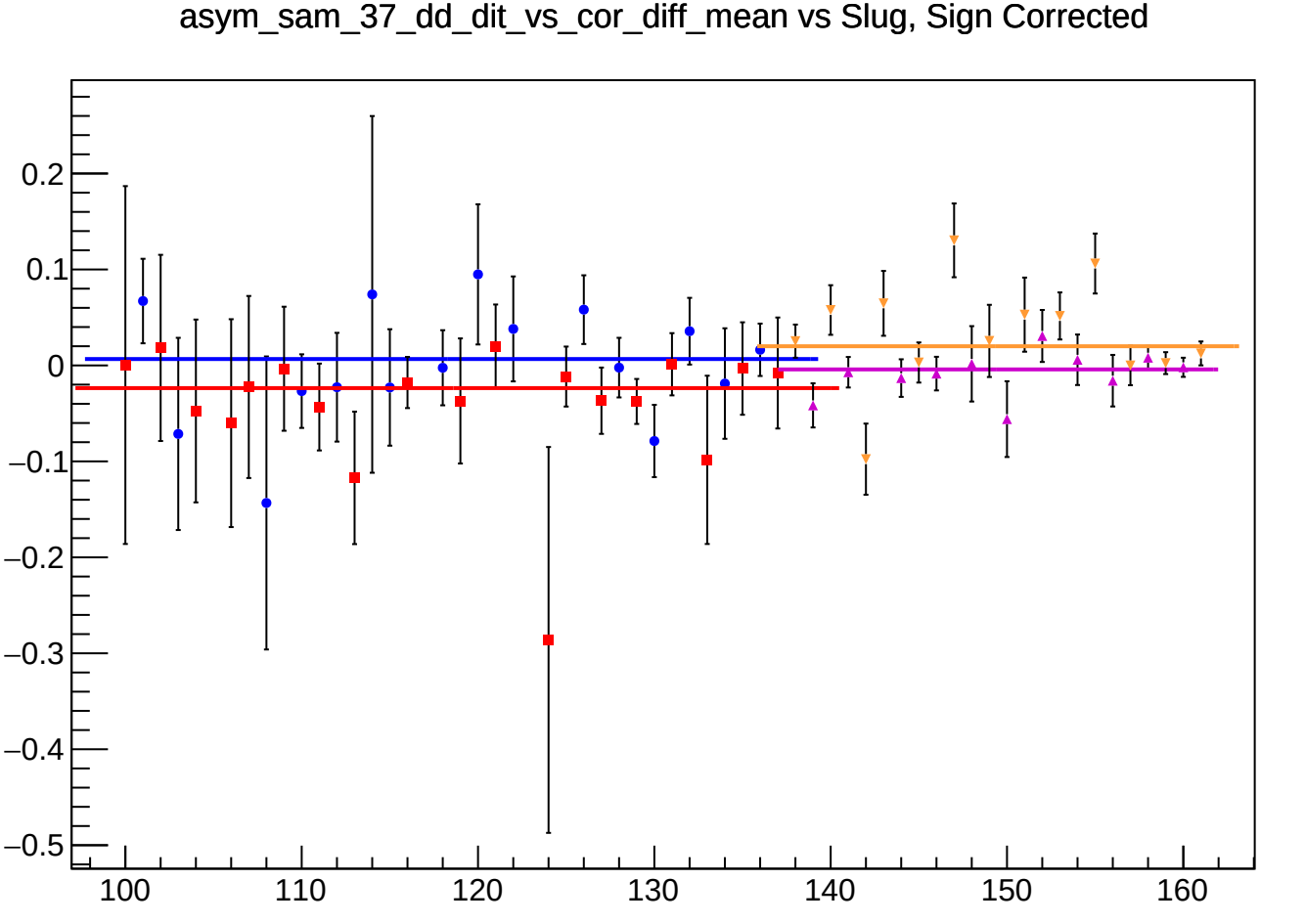
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:26.3/26

Out: 0.000+/-0.000 χ^2/NDF:25.9/31

All: 0.000+/-0.000 χ^2/NDF: 52.5/58


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:870418.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:990974.4/10
Left: 0.000+/-0.000 χ²/NDF: 2033371.6/23
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3844201.9/26
Out: 0.000+/-0.000 χ²/NDF:3503547.2/31
All: 0.000+/-0.000 χ²/NDF: 7568687.5/58



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.7/23

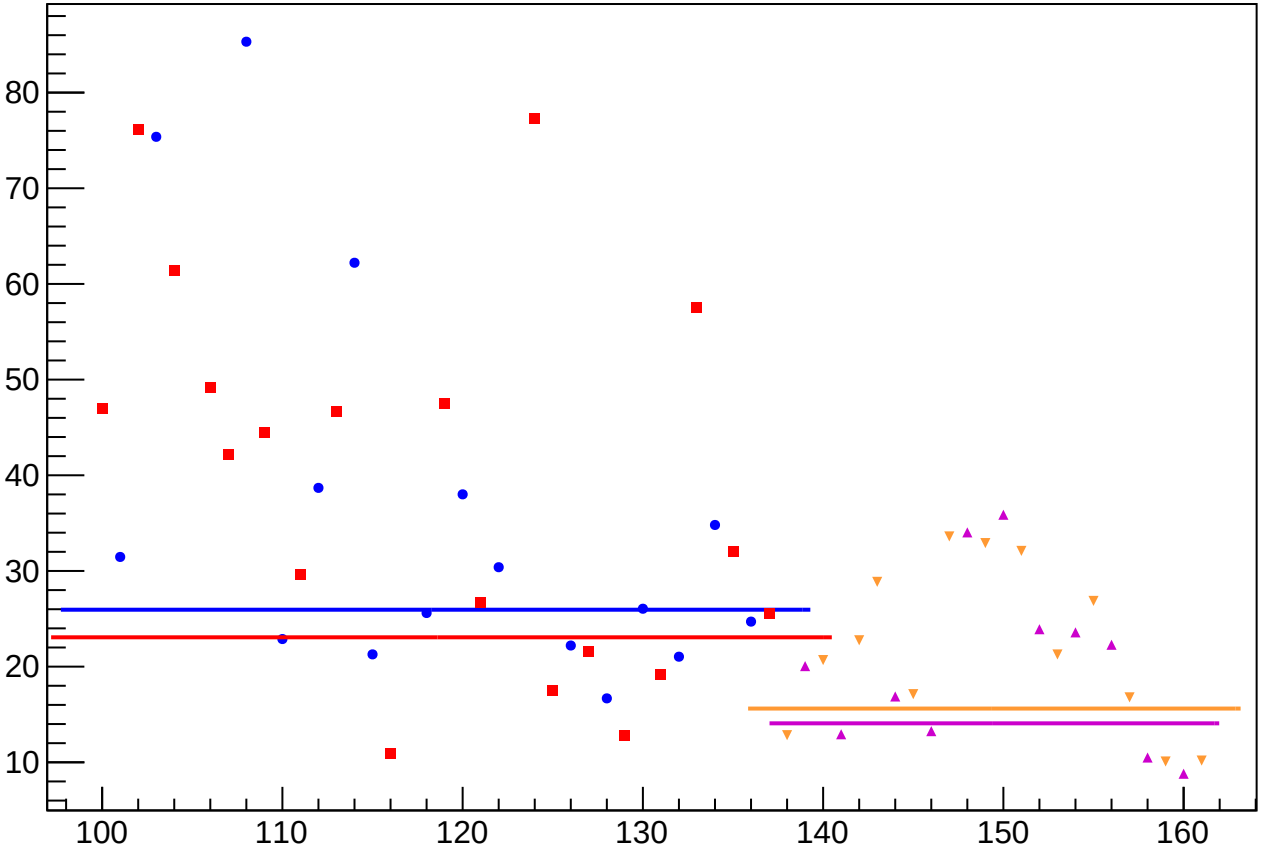
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.010+/-0.005 χ^2/NDF:57.4/31

All: 0.004+/-0.004 χ^2/NDF: 83.8/58

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.618+/-0.004 χ^2/NDF:2969107.9/12

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.074+/-0.004 χ^2/NDF:2756762.7/10

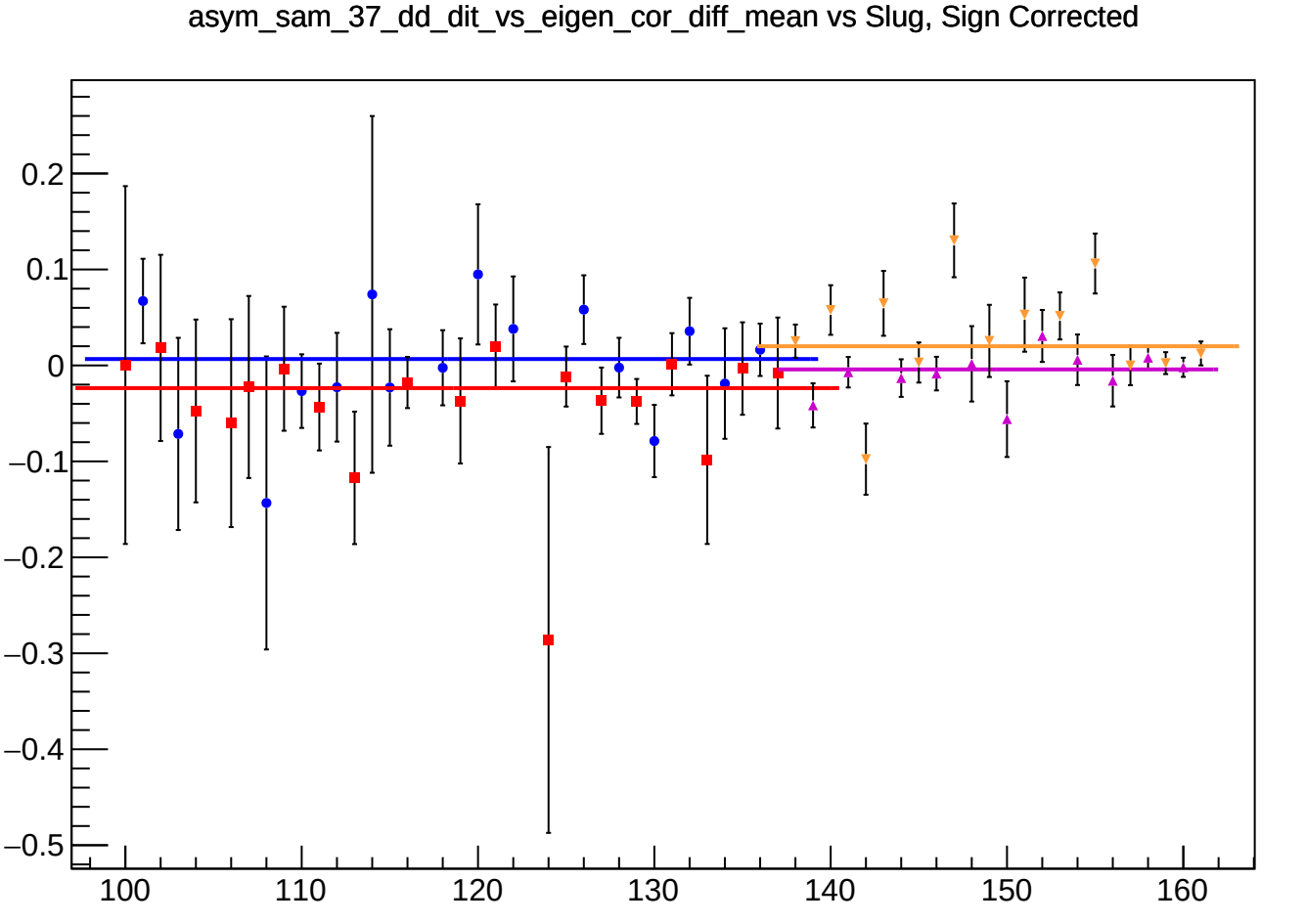
Left: 14.798+/-0.003 χ^2/NDF: 5801799.2/23

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.366+/-0.003 χ^2/NDF:5985793.5/26

Out: 17.346+/-0.004 χ^2/NDF:7102273.5/31

All: 16.838+/-0.002 χ^2/NDF: 13126981.8/58



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.7/23

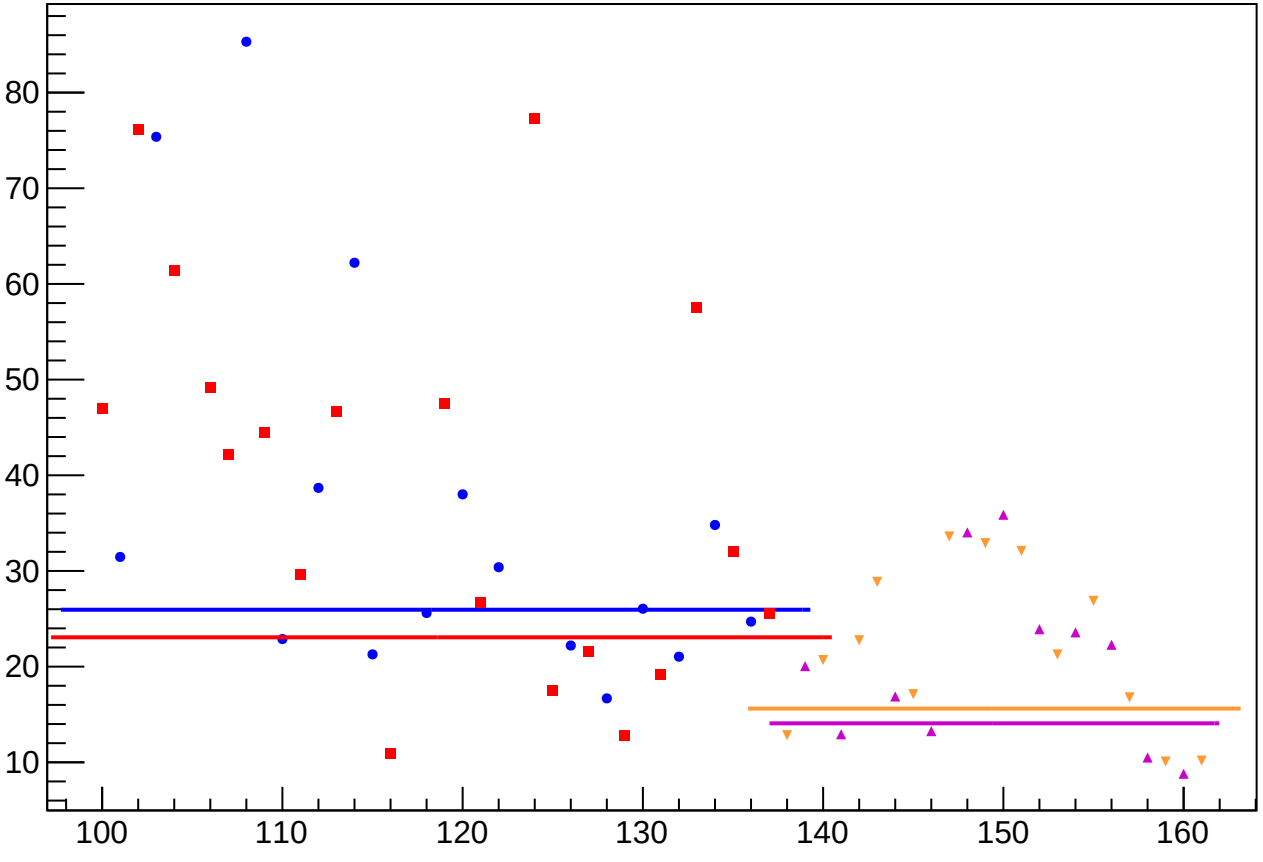
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.010+/-0.005 χ^2/NDF:57.4/31

All: 0.004+/-0.004 χ^2/NDF: 83.8/58

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: 15.618+/-0.004 χ^2/NDF:2969107.9/12

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.074+/-0.004 χ^2/NDF:2756762.7/10

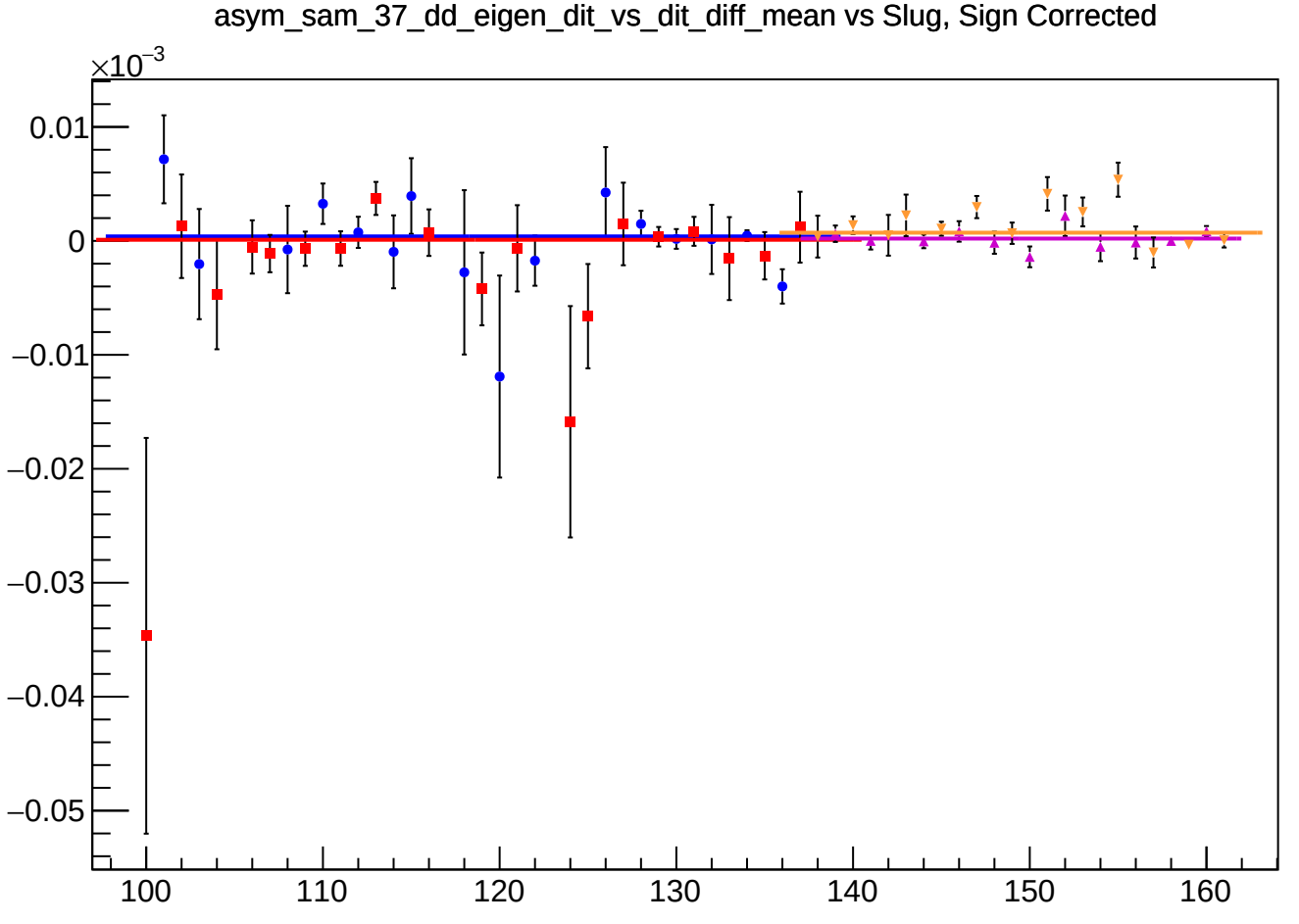
Left: 14.798+/-0.003 χ^2/NDF: 5801799.2/23

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.366+/-0.003 χ^2/NDF:5985793.5/26

Out: 17.346+/-0.004 χ^2/NDF:7102273.5/31

All: 16.838+/-0.002 χ^2/NDF: 13126981.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/10

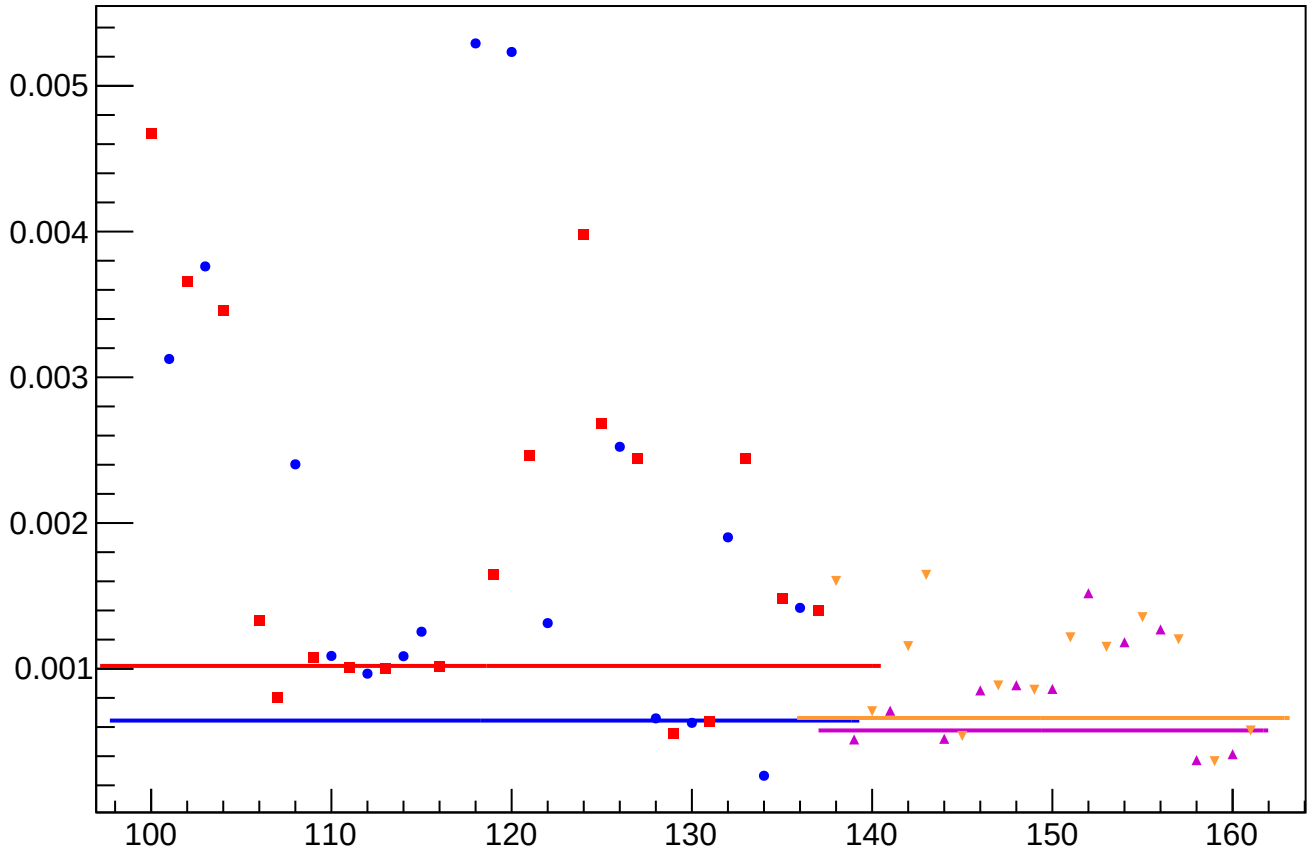
Left: 0.000+/-0.000 χ^2/NDF: 45.1/23

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:29.2/26

Out: 0.000+/-0.000 χ^2/NDF:56.2/31

All: 0.000+/-0.000 χ^2/NDF: 86.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:4042063.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2940497.9/10

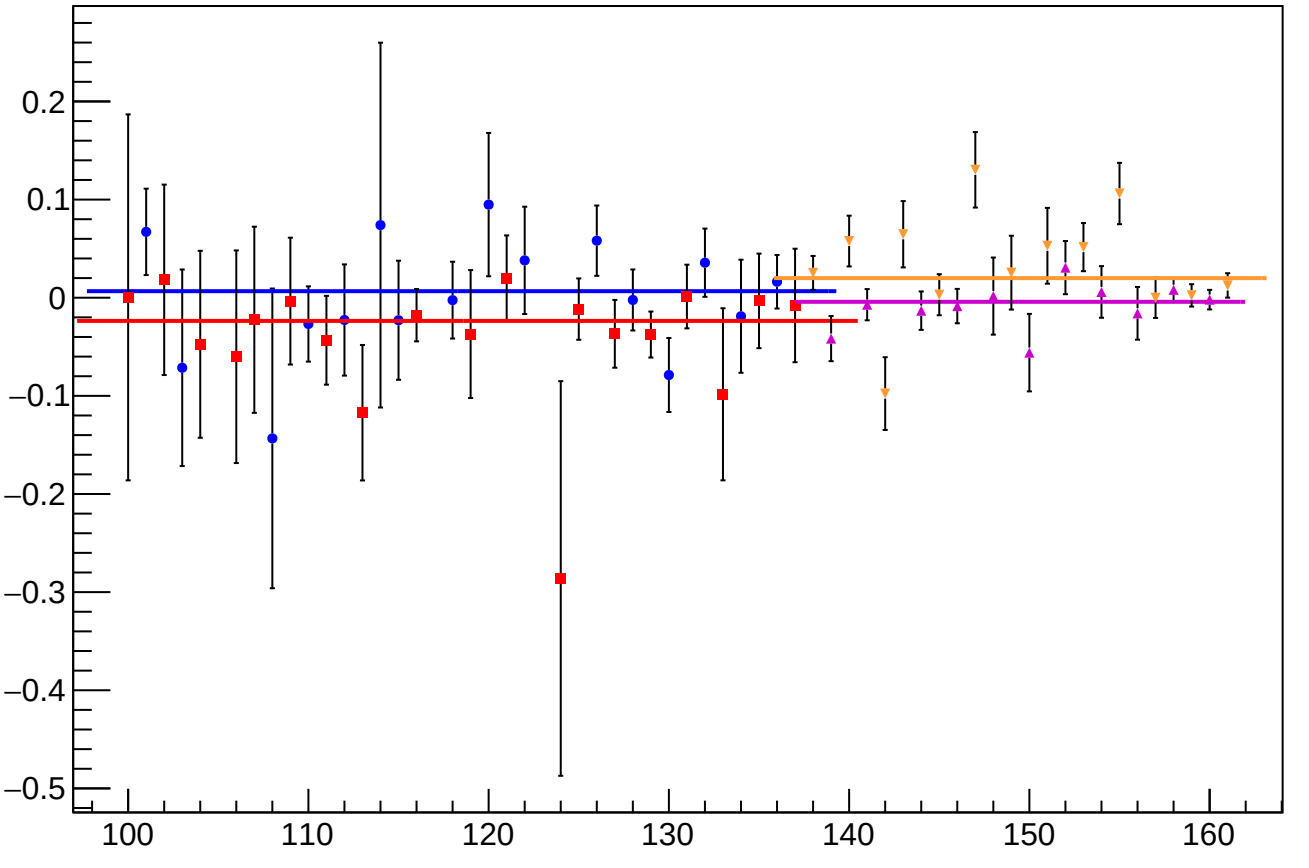
Left: 0.001+/-0.000 χ^2/NDF: 7129903.0/23

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:9573476.2/26

Out: 0.001+/-0.000 χ^2/NDF:8698335.0/31

All: 0.001+/-0.000 χ^2/NDF: 18807520.0/58



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.7/23

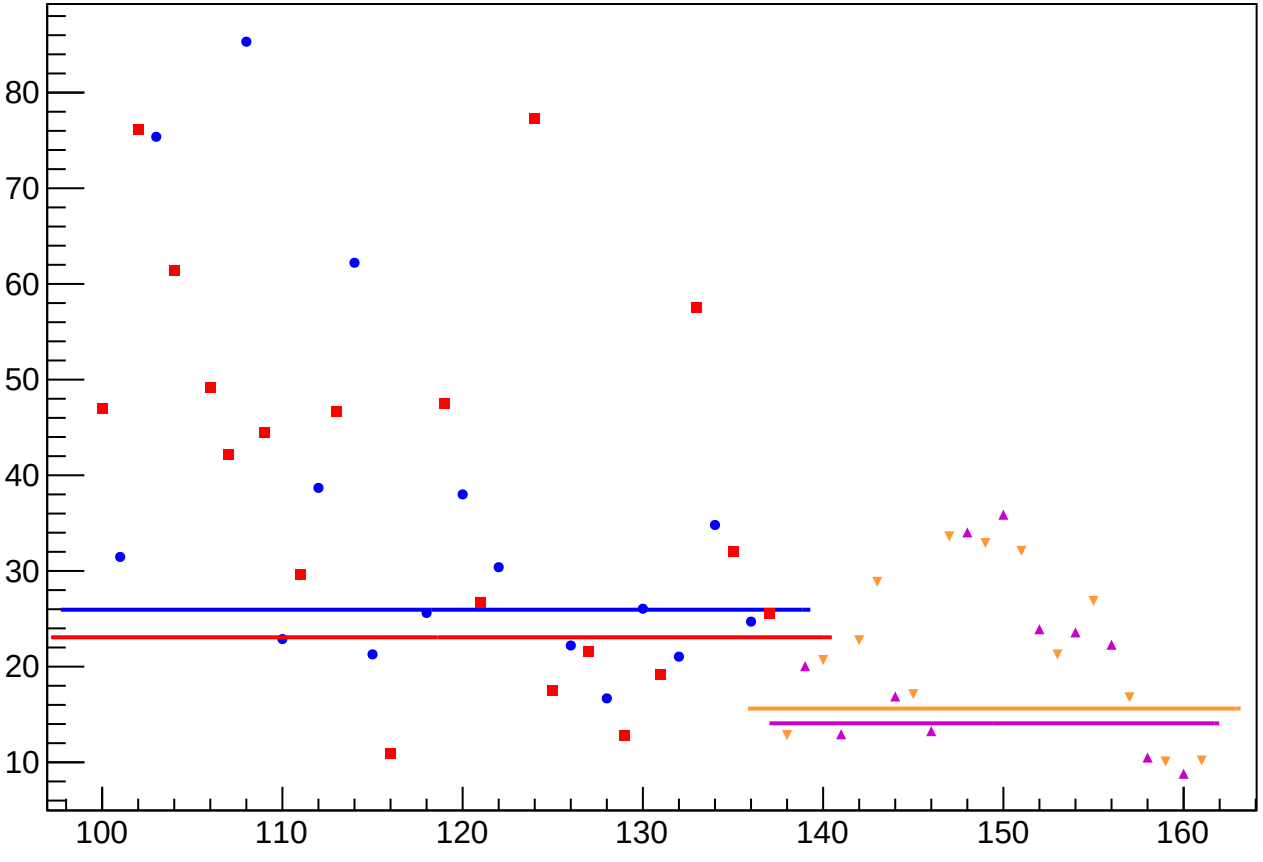
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.010+/-0.005 χ^2/NDF:57.4/31

All: 0.004+/-0.004 χ^2/NDF: 83.8/58

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.618+/-0.004 χ^2/NDF:2969318.0/12

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.074+/-0.004 χ^2/NDF:2756925.2/10

Left: 14.798+/-0.003 χ^2/NDF: 5802183.6/23

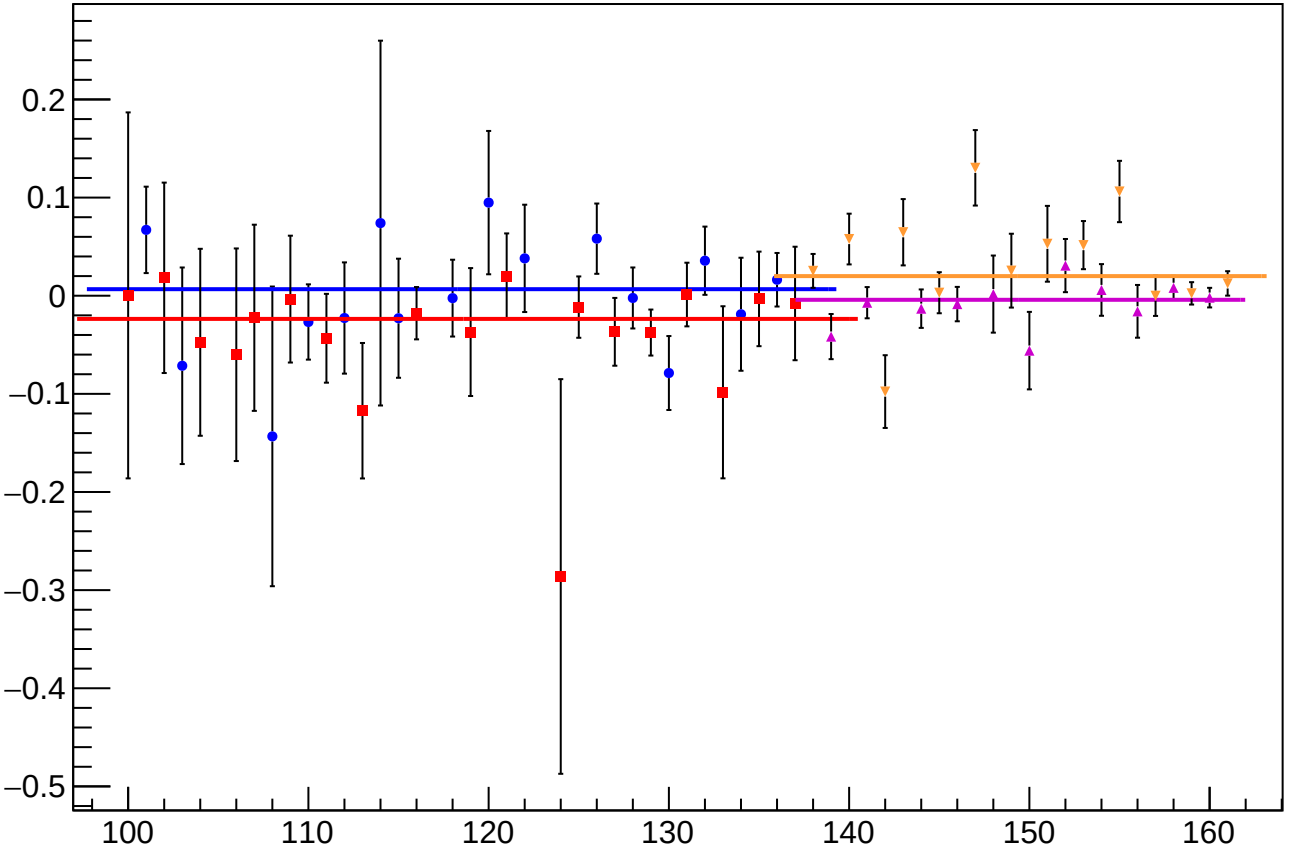
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.366+/-0.003 χ^2/NDF:5985970.0/26

Out: 17.347+/-0.004 χ^2/NDF:7102358.3/31

All: 16.839+/-0.002 χ^2/NDF: 13127254.8/58

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.7/10

Left: 0.007+/-0.004 χ^2/NDF: 53.7/23

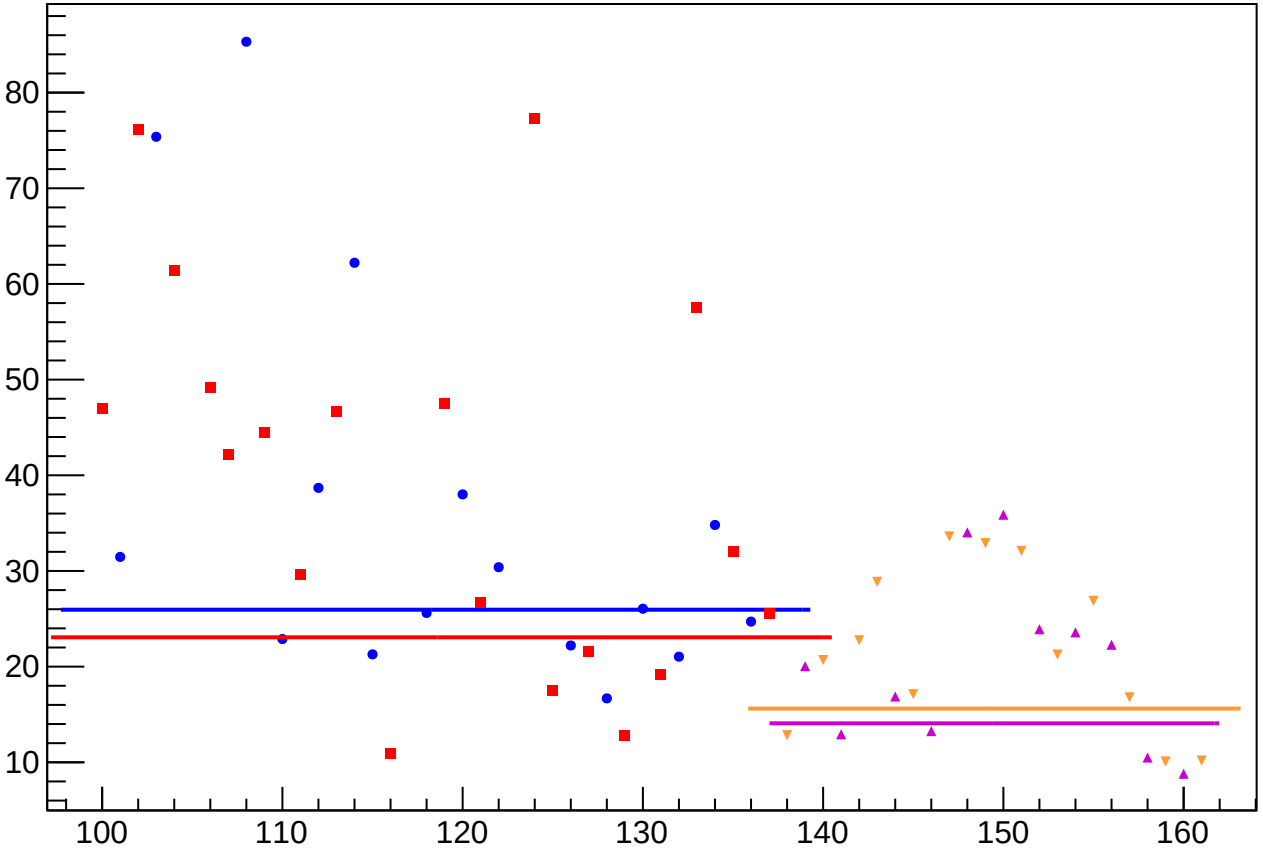
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/26

Out: 0.010+/-0.005 χ^2/NDF:57.4/31

All: 0.004+/-0.004 χ^2/NDF: 83.8/58

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.618+/-0.004 χ^2/NDF:2969318.0/12

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.074+/-0.004 χ^2/NDF:2756925.2/10

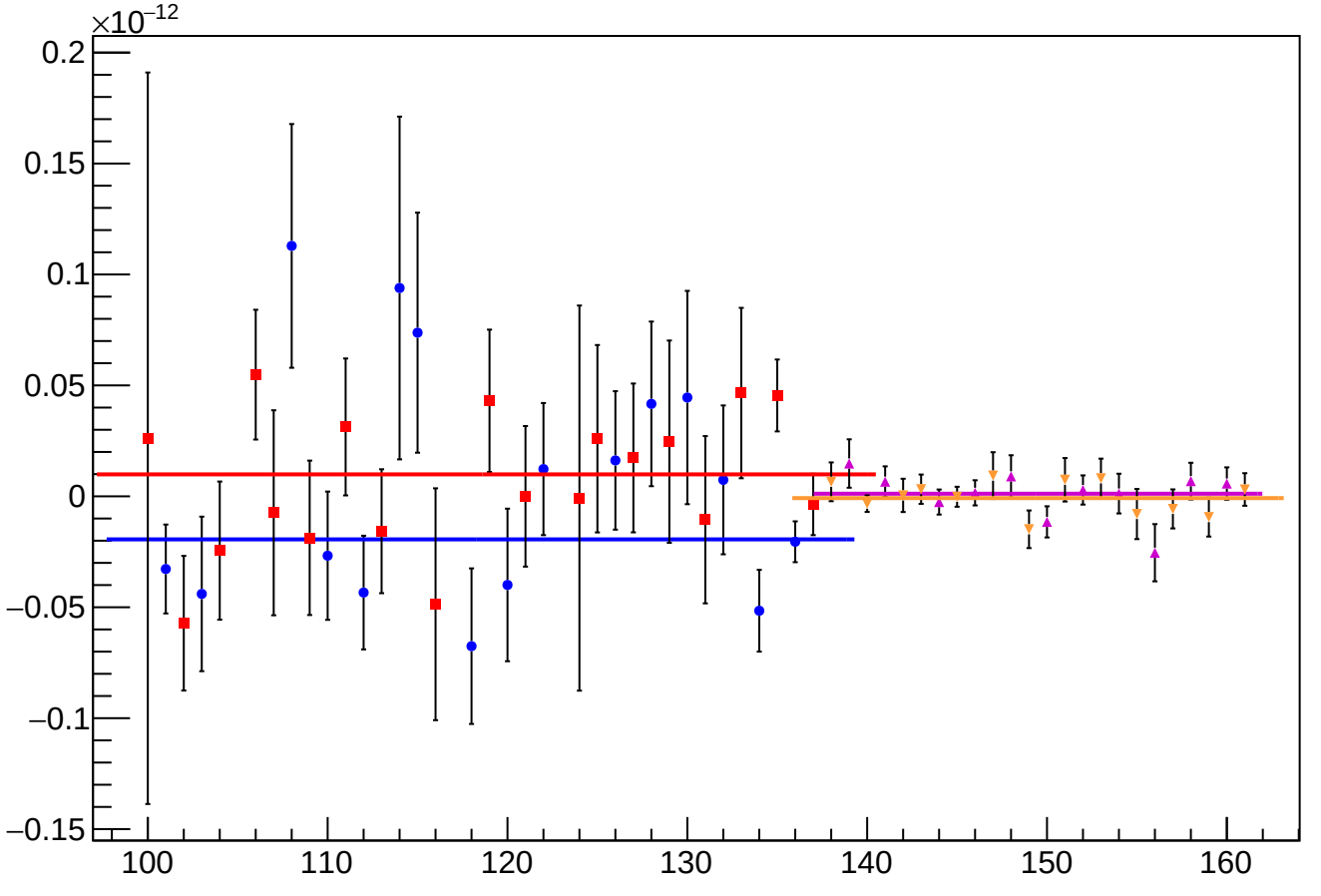
Left: 14.798+/-0.003 χ^2/NDF: 5802183.6/23

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.366+/-0.003 χ^2/NDF:5985970.0/26

Out: 17.347+/-0.004 χ^2/NDF:7102358.3/31

All: 16.839+/-0.002 χ^2/NDF: 13127254.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/10

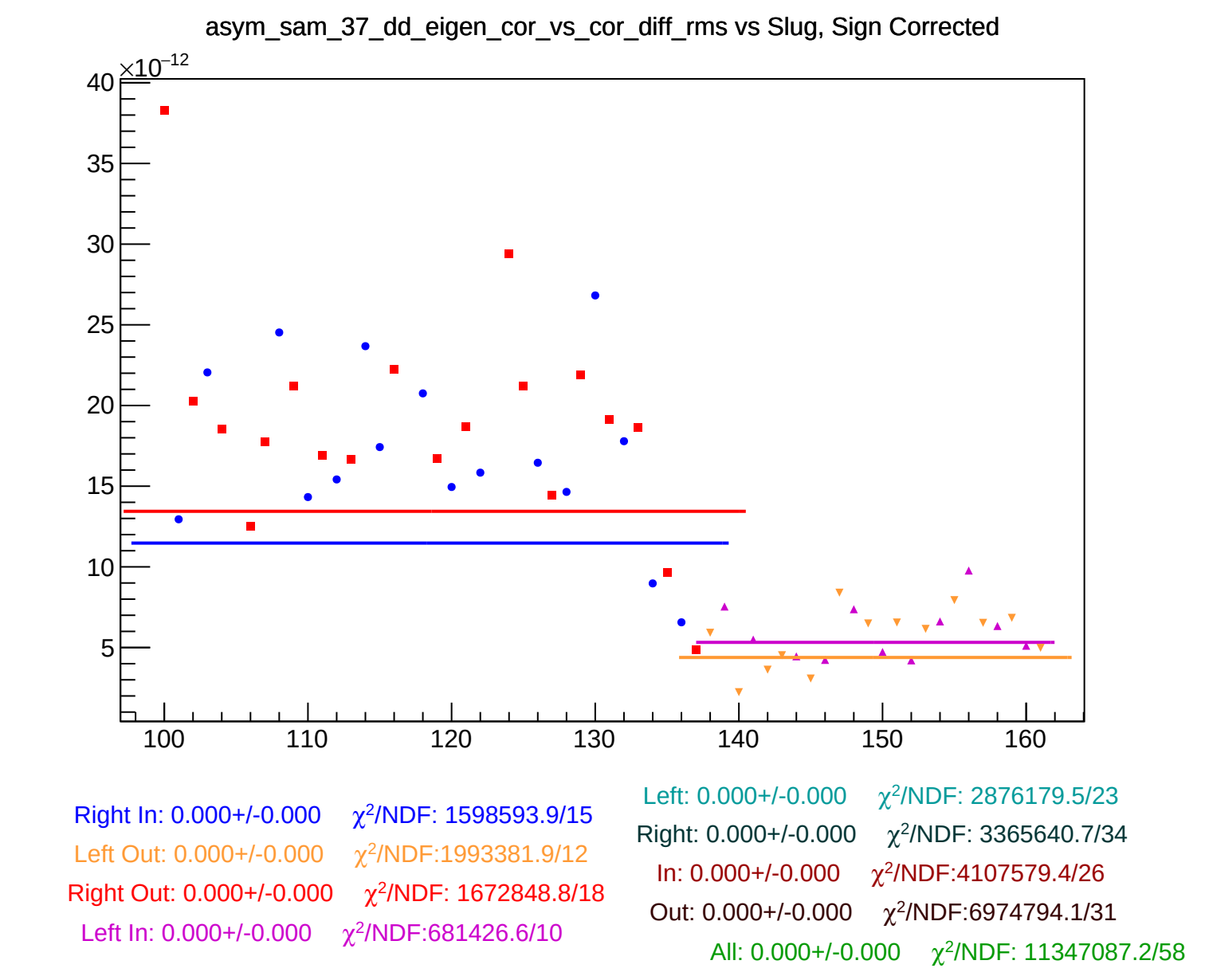
Left: 0.000+/-0.000 χ^2/NDF: 21.1/23

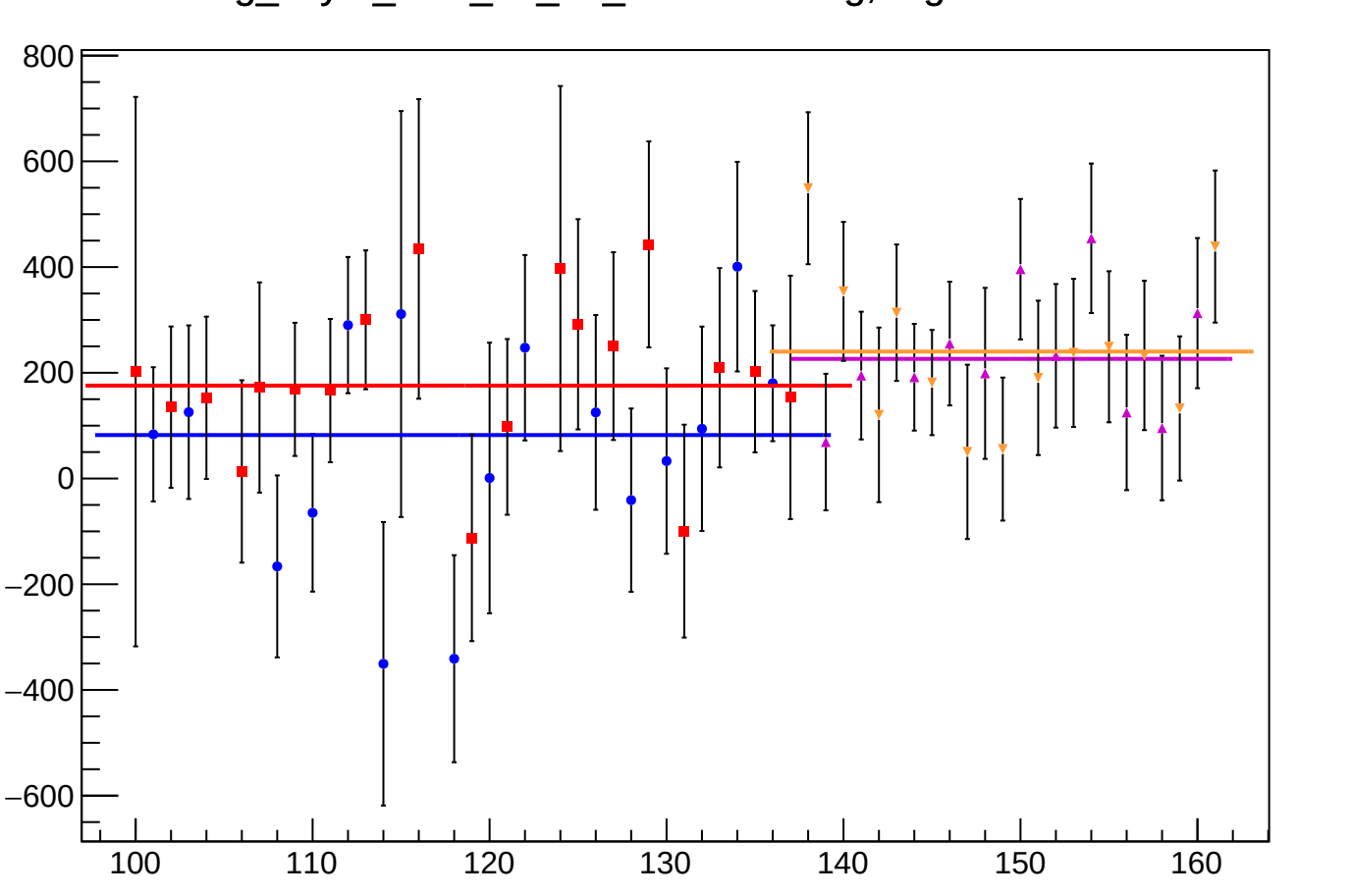
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:47.6/26

Out: -0.000+/-0.000 χ^2/NDF:31.6/31

All: -0.000+/-0.000 χ^2/NDF: 79.4/58


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1993381.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:681426.6/10
Left: 0.000+/-0.000 χ²/NDF: 2876179.5/23
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:4107579.4/26
Out: 0.000+/-0.000 χ²/NDF:6974794.1/31
All: 0.000+/-0.000 χ²/NDF: 11347087.2/58



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 240.134+/-37.946 χ^2/NDF:12.4/12

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 226.286+/-39.277 χ^2/NDF:7.8/10

Left: 233.449+/-27.290 χ^2/NDF: 20.2/23

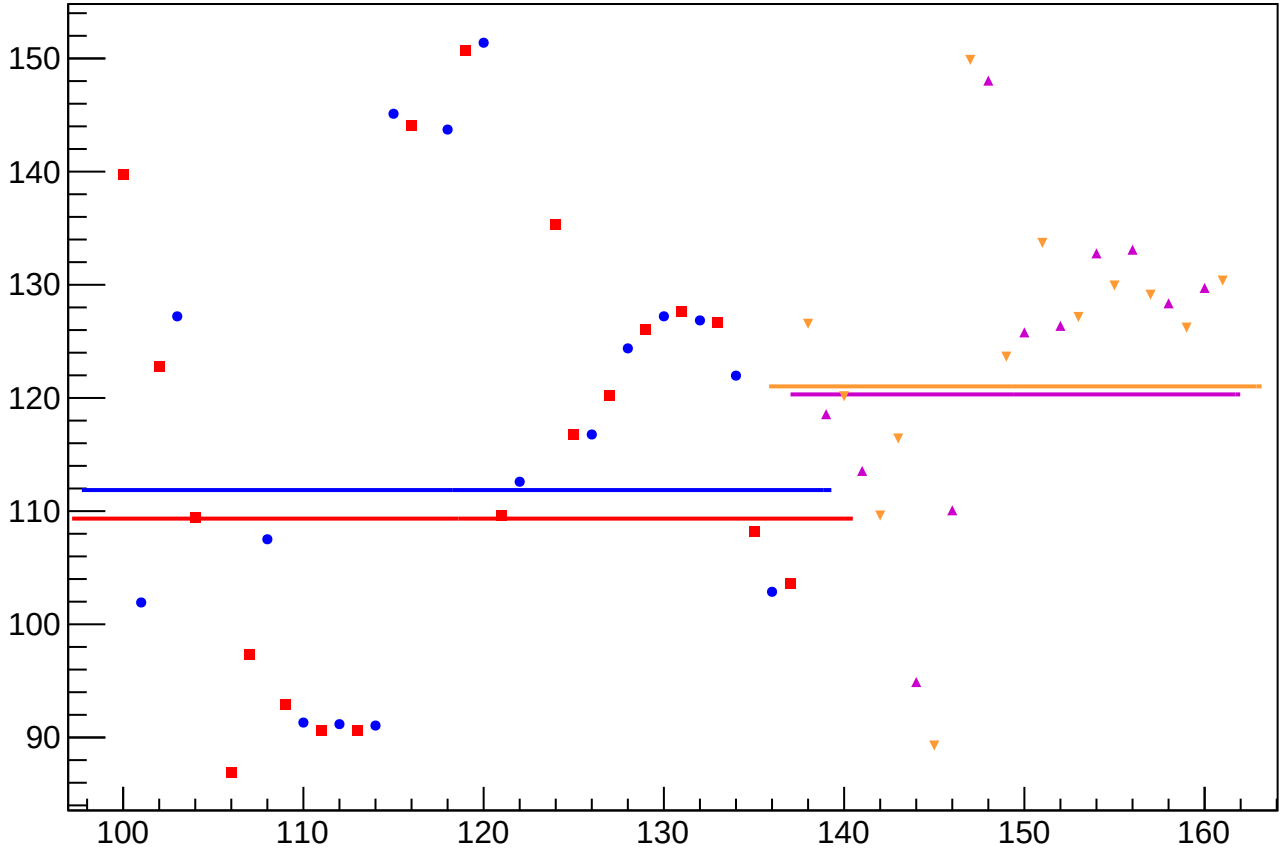
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 159.291+/-28.730 χ^2/NDF:32.4/26

Out: 210.164+/-27.746 χ^2/NDF:23.6/31

All: 185.613+/-19.958 χ^2/NDF: 57.6/58

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

Left: 120.681+/-0.019 χ^2/NDF: 587056.6/23

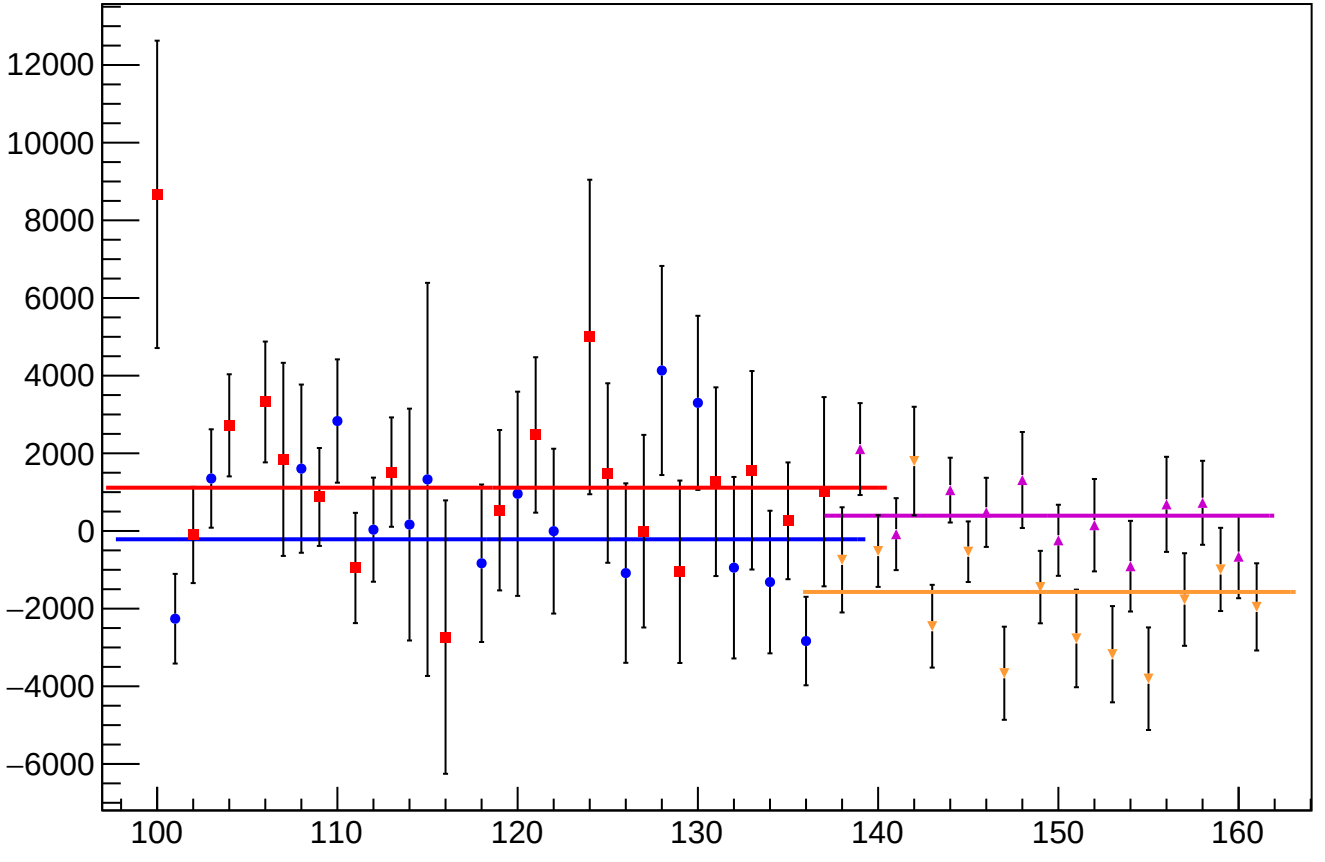
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 116.384+/-0.020 χ^2/NDF:610412.4/26

Out: 115.586+/-0.020 χ^2/NDF:780836.7/31

All: 115.971+/-0.014 χ^2/NDF: 1392047.8/58

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1570.177+/-303.974 χ^2/NDF:18.9/12

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 393.627+/-312.200 χ^2/NDF:6.4/10

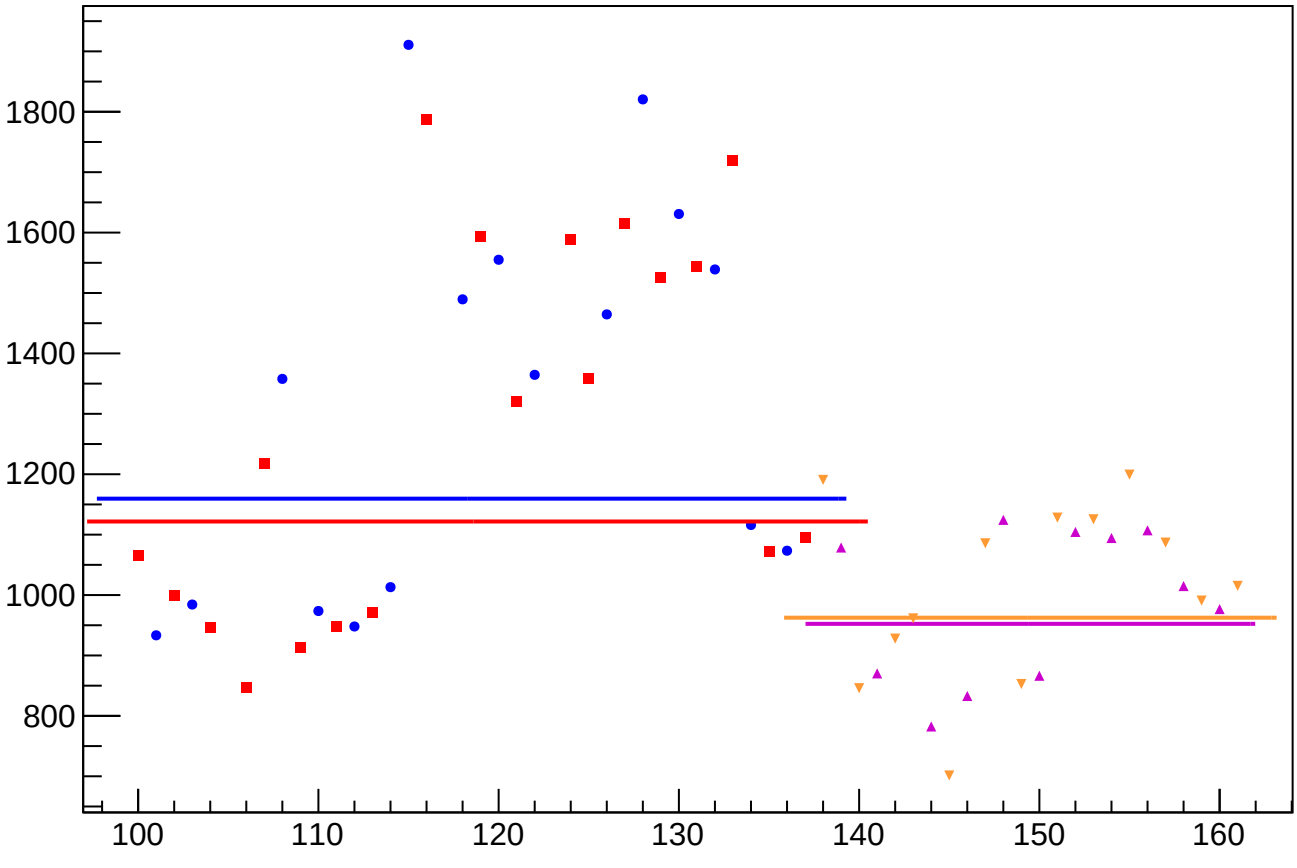
Left: -614.488+/-217.792 χ^2/NDF: 45.6/23

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 192.511+/-255.378 χ^2/NDF:28.1/26

Out: -655.963+/-246.855 χ^2/NDF:60.0/31

All: -246.121+/-177.490 χ^2/NDF: 93.8/58



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 962.520+/-0.215 χ^2/NDF:523896.6/12

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 952.336+/-0.221 χ^2/NDF:315794.9/10

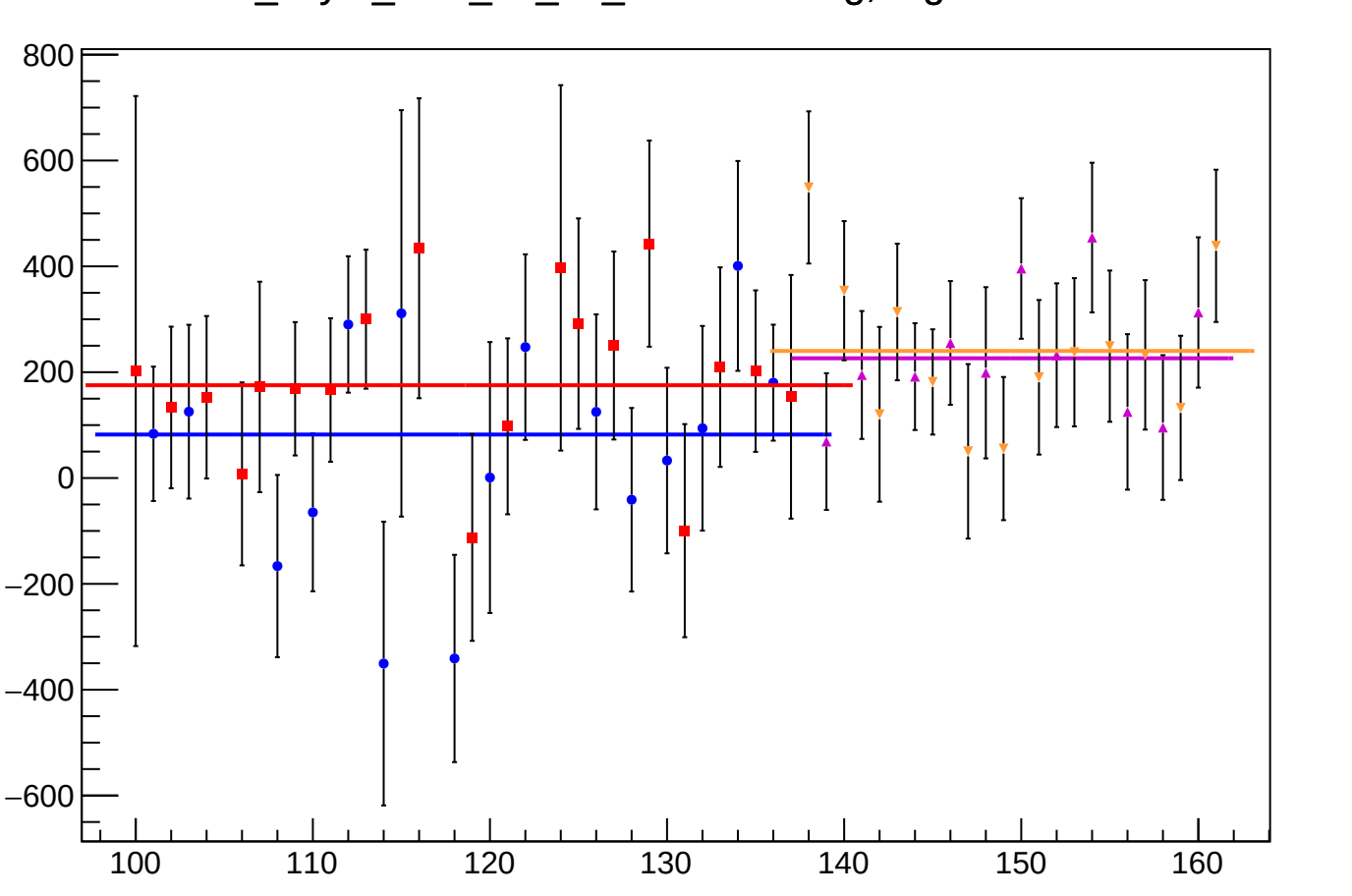
Left: 957.564+/-0.154 χ^2/NDF: 840784.0/23

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1020.905+/-0.181 χ^2/NDF:1291062.5/26

Out: 1016.739+/-0.175 χ^2/NDF:1493040.8/31

All: 1018.751+/-0.126 χ^2/NDF: 2784378.5/58



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 240.134+/-37.946 χ^2/NDF:12.4/12

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 226.290+/-39.277 χ^2/NDF:7.8/10

Left: 233.451+/-27.290 χ^2/NDF: 20.2/23

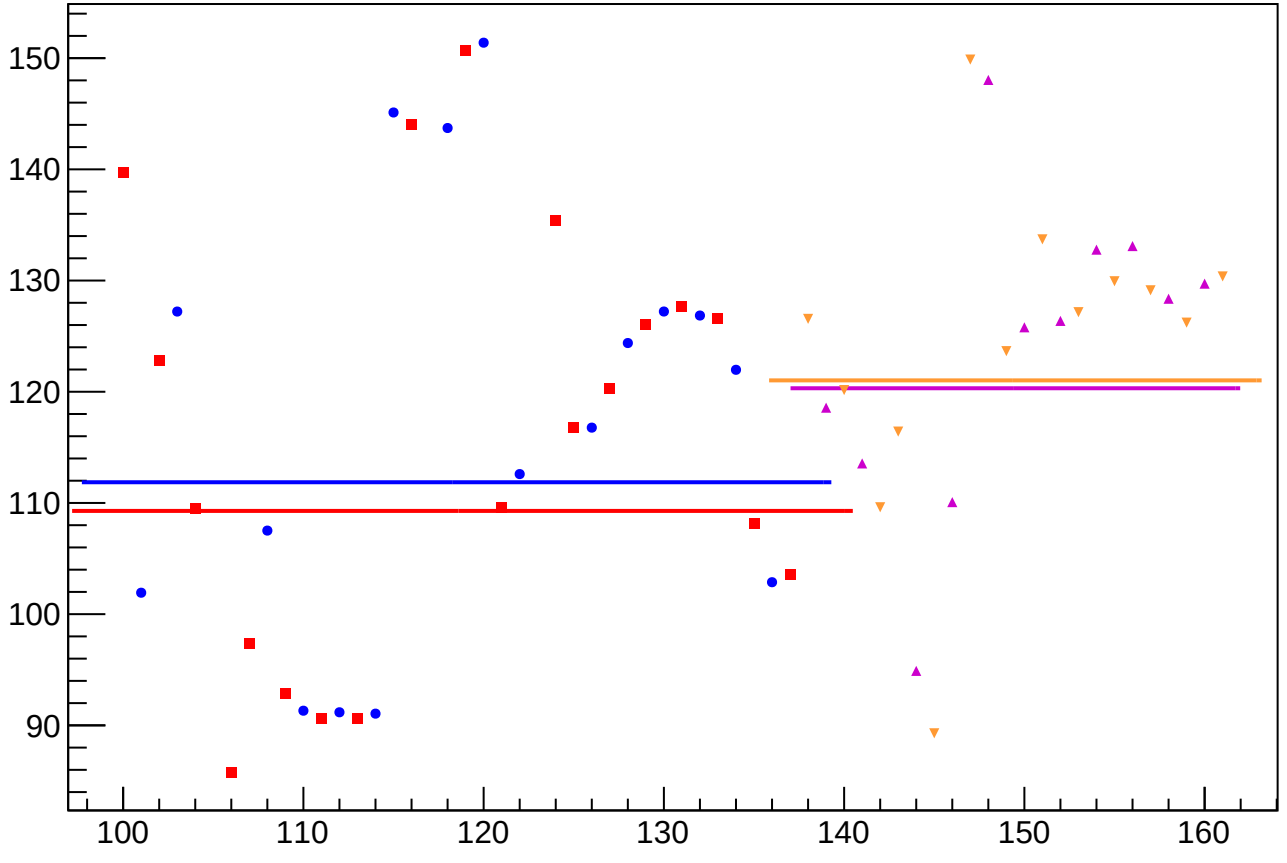
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 159.287+/-28.730 χ^2/NDF:32.4/26

Out: 209.985+/-27.747 χ^2/NDF:23.7/31

All: 185.518+/-19.959 χ^2/NDF: 57.7/58

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

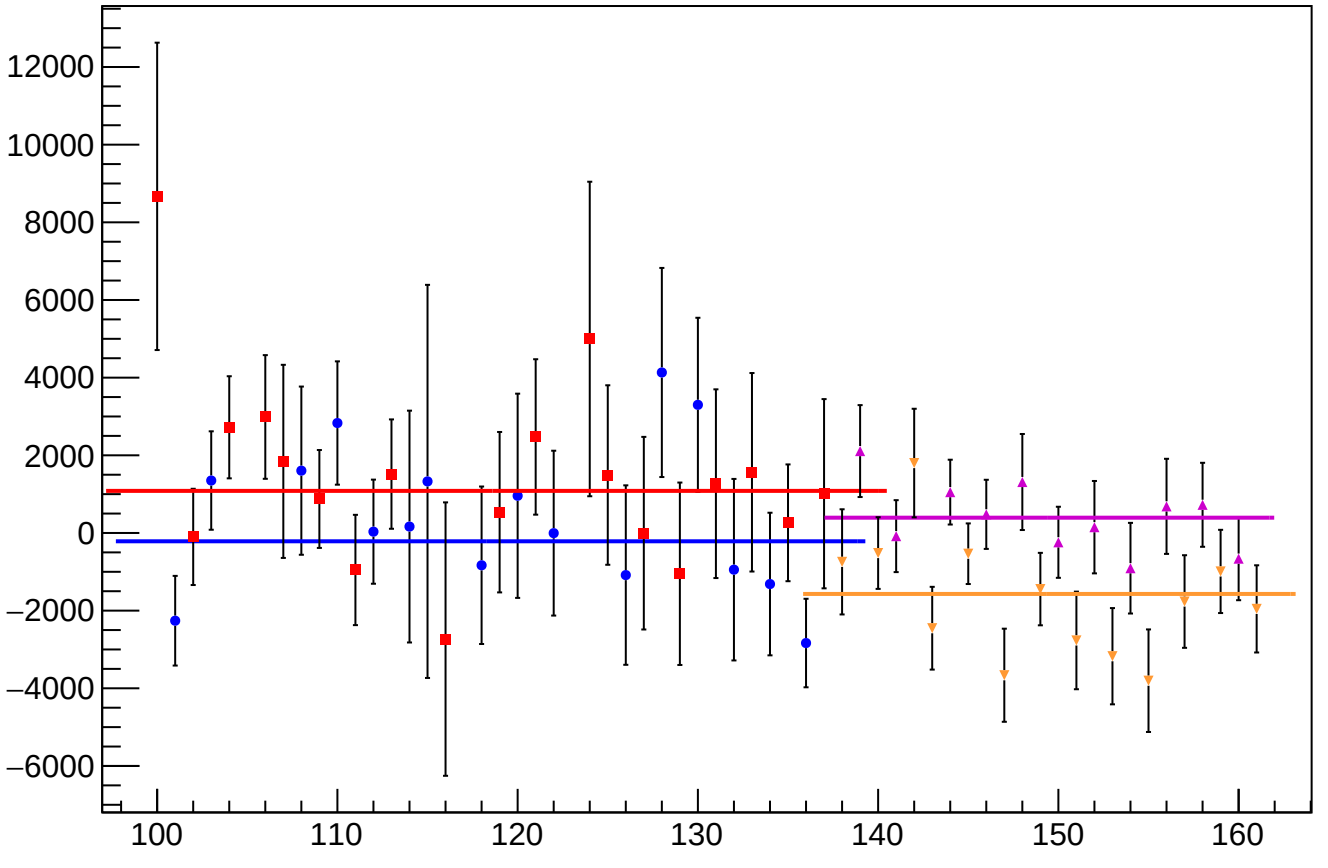
Left: 120.681+/-0.019 χ^2/NDF: 587056.7/23

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 116.384+/-0.020 χ^2/NDF:610413.3/26

Out: 115.561+/-0.020 χ^2/NDF:785165.1/31

All: 115.958+/-0.014 χ^2/NDF: 1396428.6/58



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1570.177+/-303.974 χ^2/NDF:18.9/12

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 393.634+/-312.200 χ^2/NDF:6.4/10

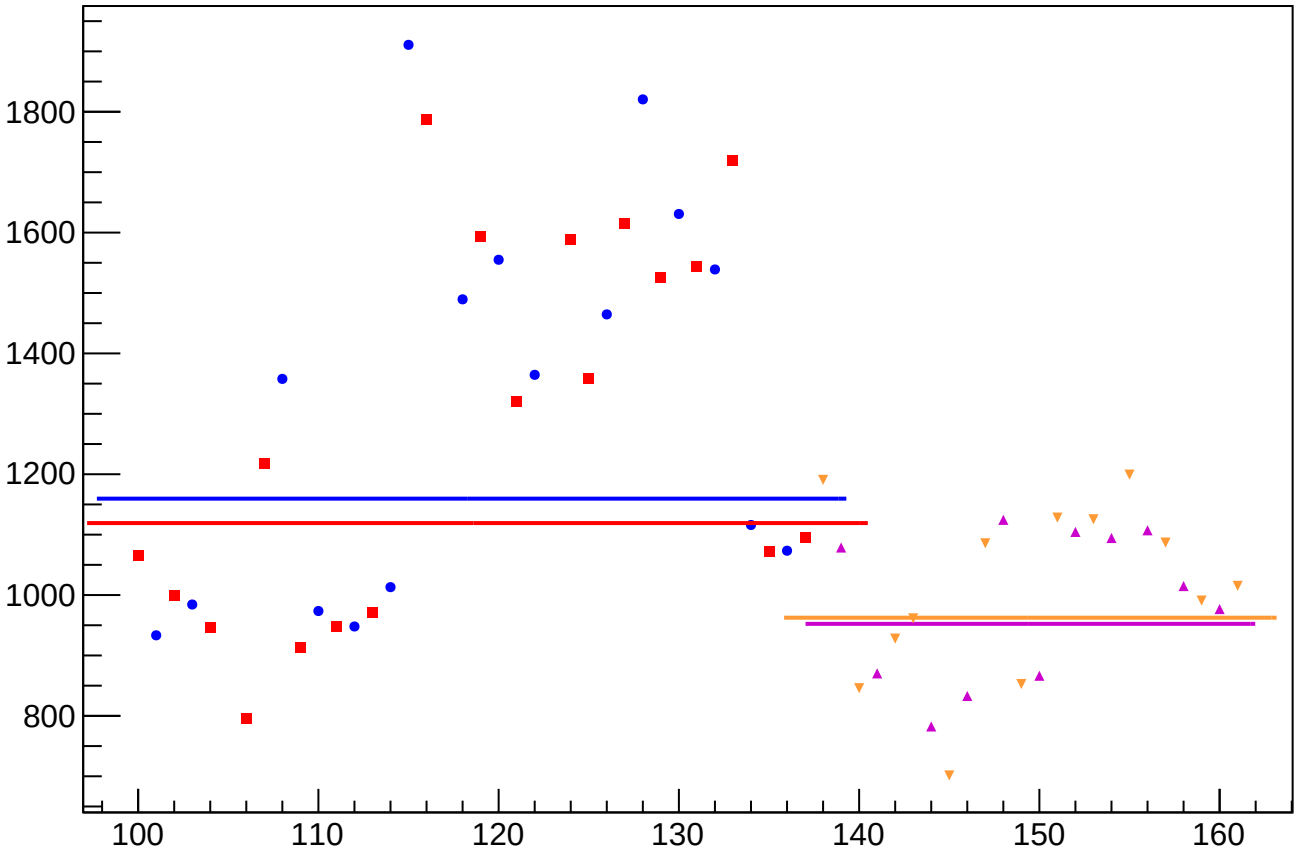
Left: -614.484+/-217.792 χ^2/NDF: 45.6/23

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 192.488+/-255.379 χ^2/NDF:28.1/26

Out: -668.506+/-247.001 χ^2/NDF:58.7/31

All: -252.363+/-177.544 χ^2/NDF: 92.7/58



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 962.520+/-0.215 χ^2/NDF:523898.8/12

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

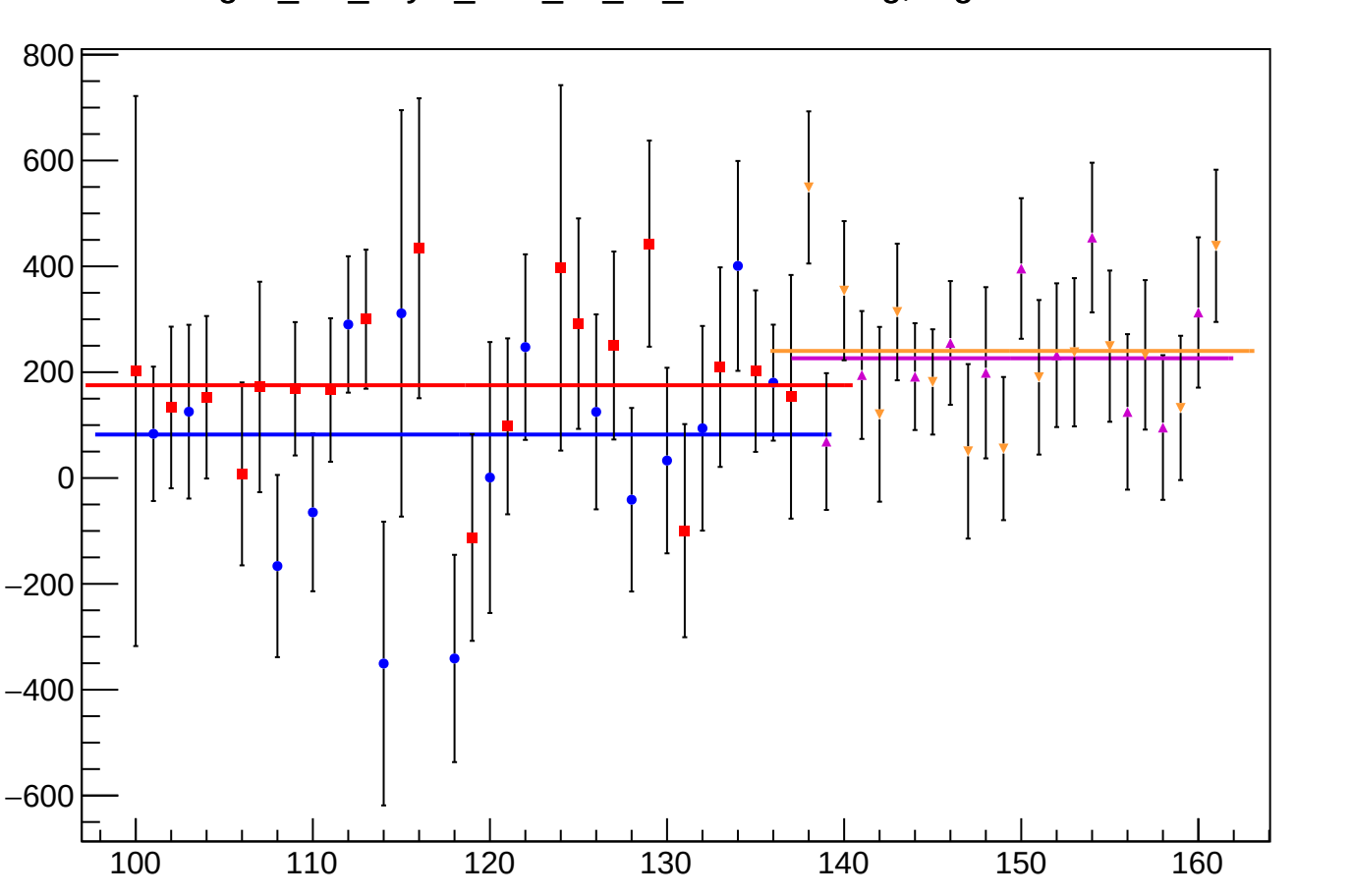
Left: 957.564+/-0.154 χ^2/NDF: 840783.5/23

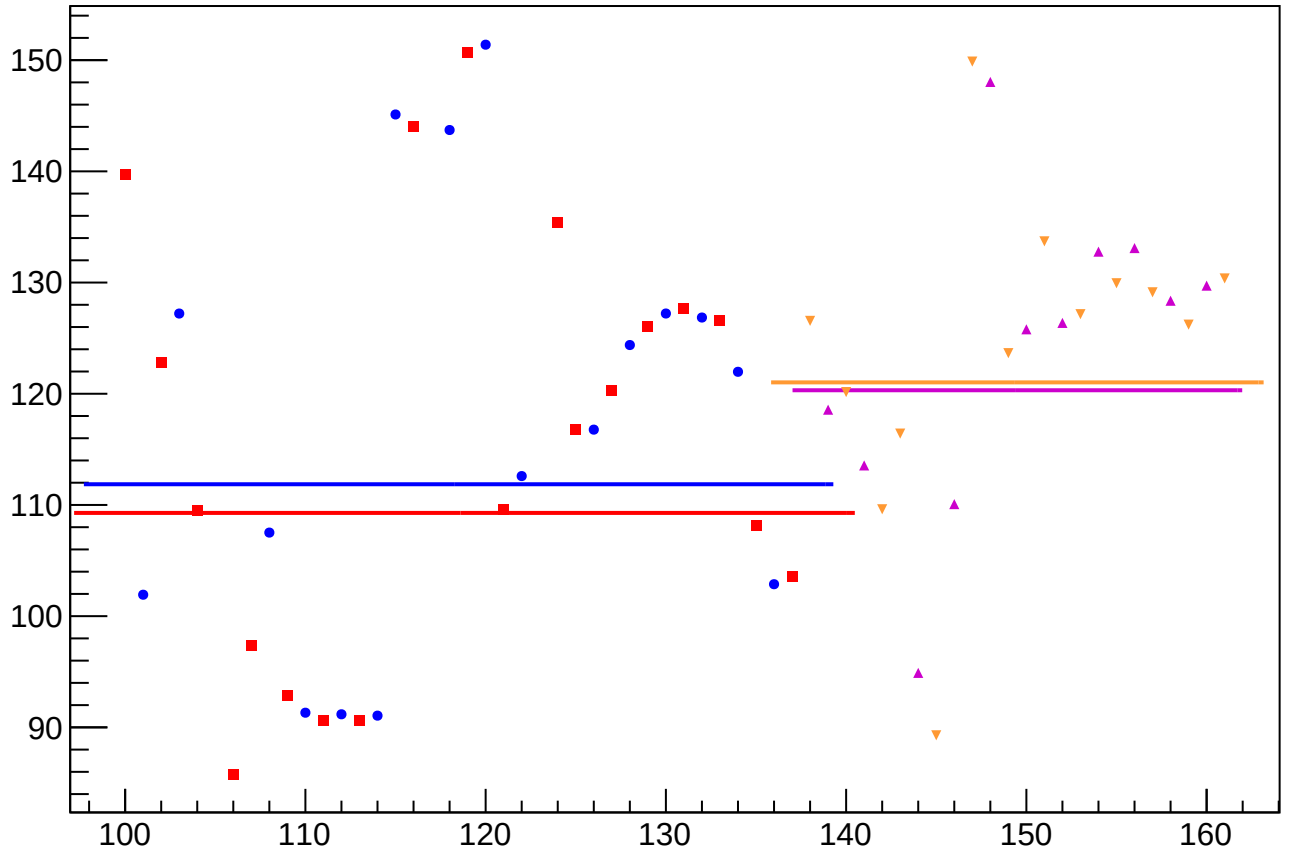
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1020.908+/-0.181 χ^2/NDF:1291052.4/26

Out: 1015.733+/-0.175 χ^2/NDF:1507466.8/31

All: 1018.234+/-0.126 χ^2/NDF: 2798943.6/58


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 240.134+/-37.946 χ²/NDF:12.4/12
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 226.290+/-39.277 χ²/NDF:7.8/10
Left: 233.451+/-27.290 χ²/NDF: 20.2/23
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 159.287+/-28.730 χ²/NDF:32.4/26
Out: 209.985+/-27.747 χ²/NDF:23.7/31
All: 185.518+/-19.959 χ²/NDF: 57.7/58



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

Left: 120.681+/-0.019 χ^2/NDF: 587056.7/23

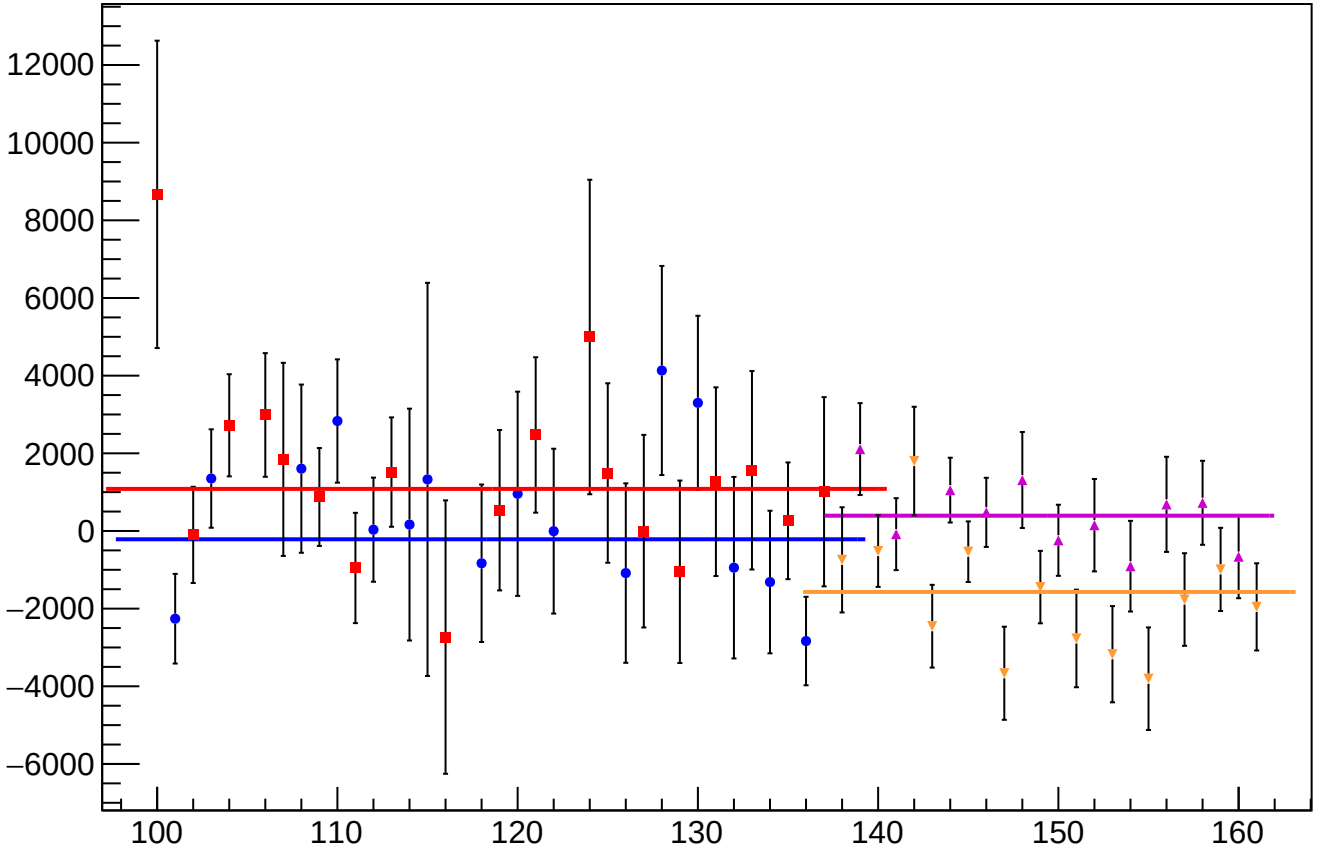
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 116.384+/-0.020 χ^2/NDF:610413.3/26

Out: 115.561+/-0.020 χ^2/NDF:785165.1/31

All: 115.958+/-0.014 χ^2/NDF: 1396428.6/58

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: -1570.177+/-303.974 χ^2/NDF:18.9/12

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 393.634+/-312.200 χ^2/NDF:6.4/10

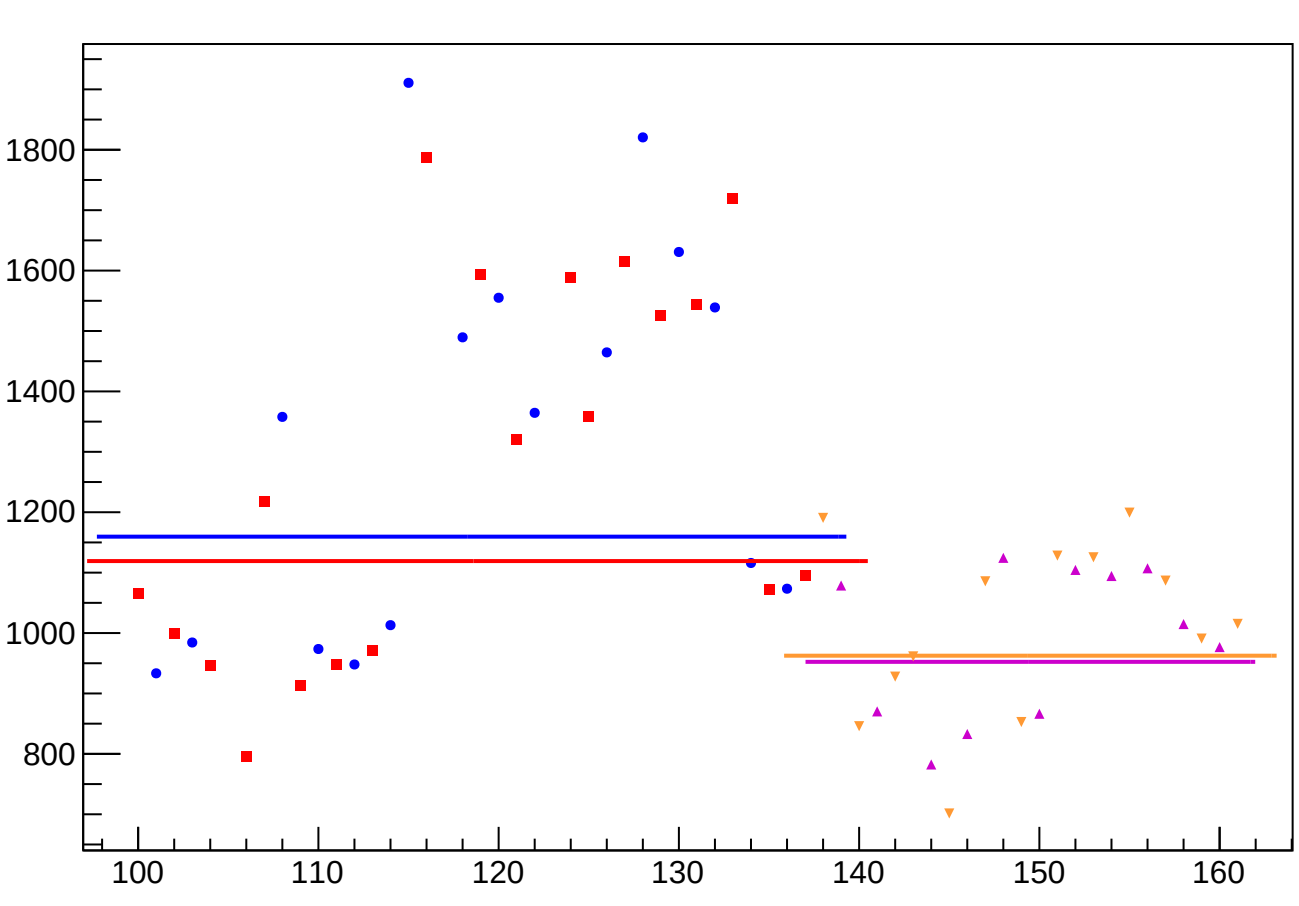
Left: -614.484+/-217.792 χ^2/NDF: 45.6/23

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 192.488+/-255.379 χ^2/NDF:28.1/26

Out: -668.506+/-247.001 χ^2/NDF:58.7/31

All: -252.363+/-177.544 χ^2/NDF: 92.7/58



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 962.520+/-0.215 χ^2/NDF:523898.8/12

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

Left: 957.564+/-0.154 χ^2/NDF: 840783.5/23

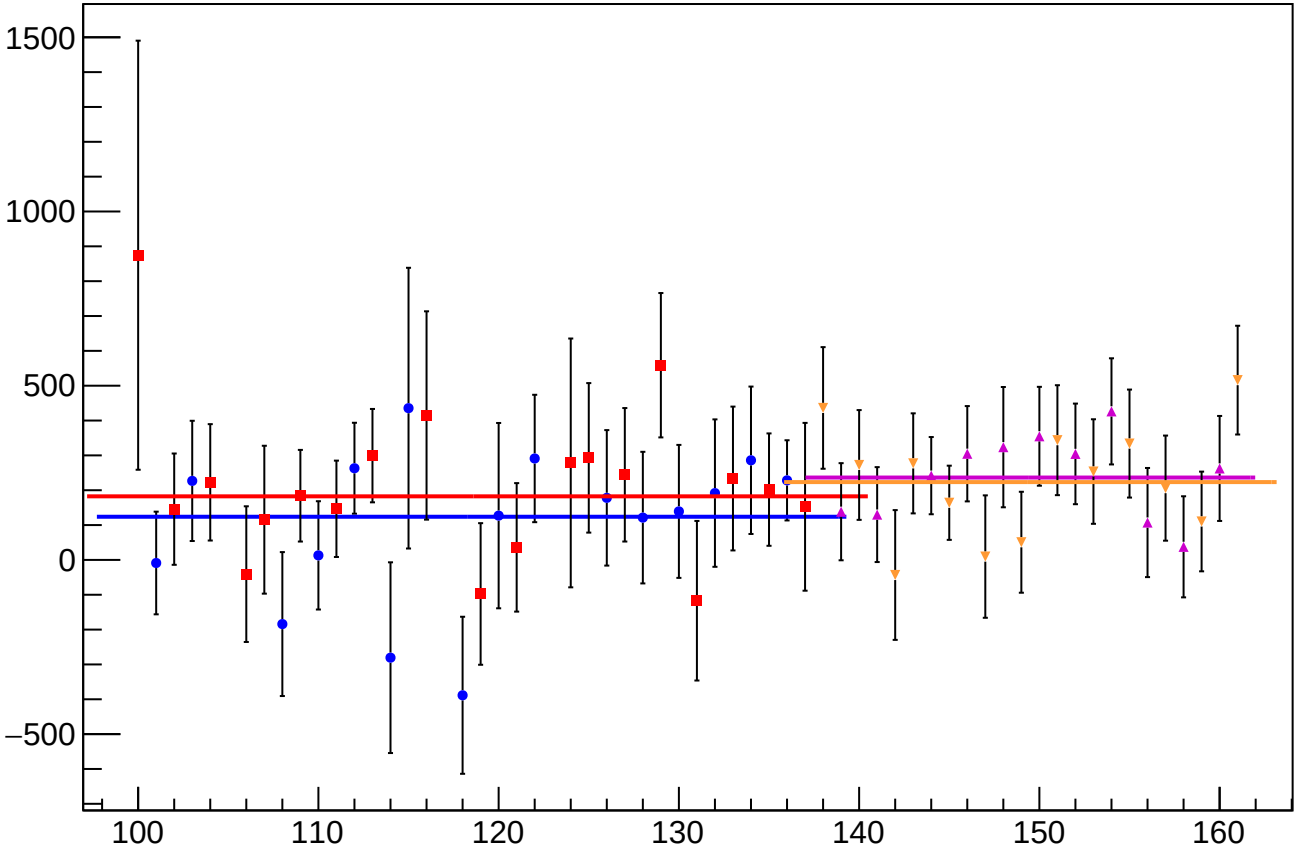
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1020.908+/-0.181 χ^2/NDF:1291052.4/26

Out: 1015.733+/-0.175 χ^2/NDF:1507466.8/31

All: 1018.234+/-0.126 χ^2/NDF: 2798943.6/58

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 223.360+/-41.565 χ^2/NDF:12.3/12

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 236.417+/-42.762 χ^2/NDF:6.7/10

Left: 229.703+/-29.805 χ^2/NDF: 19.0/23

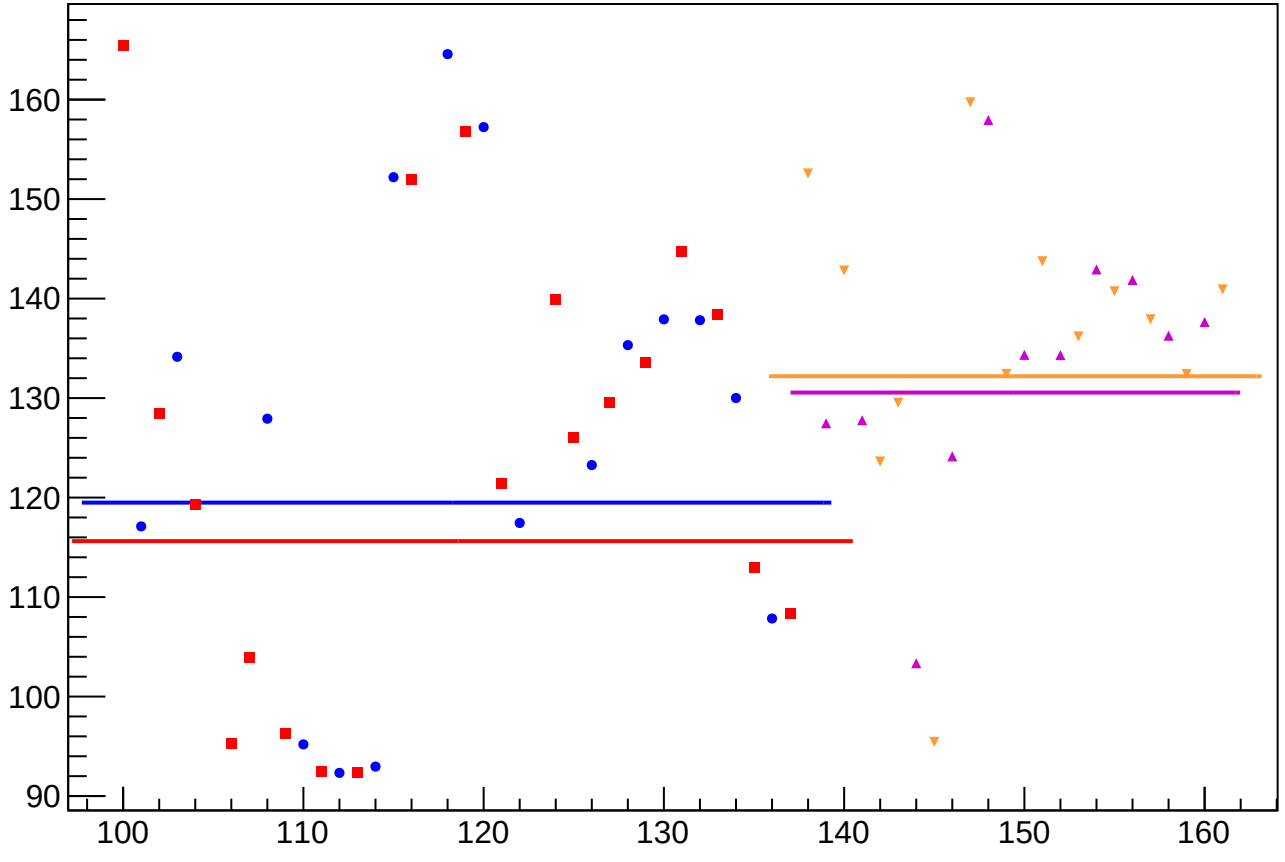
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 183.318+/-31.076 χ^2/NDF:25.4/26

Out: 203.714+/-29.960 χ^2/NDF:25.0/31

All: 193.888+/-21.569 χ^2/NDF: 50.6/58

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.193+/-0.029 χ^2/NDF:356102.2/12

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 130.556+/-0.030 χ^2/NDF:211056.5/10

Left: 131.398+/-0.021 χ^2/NDF: 568667.0/23

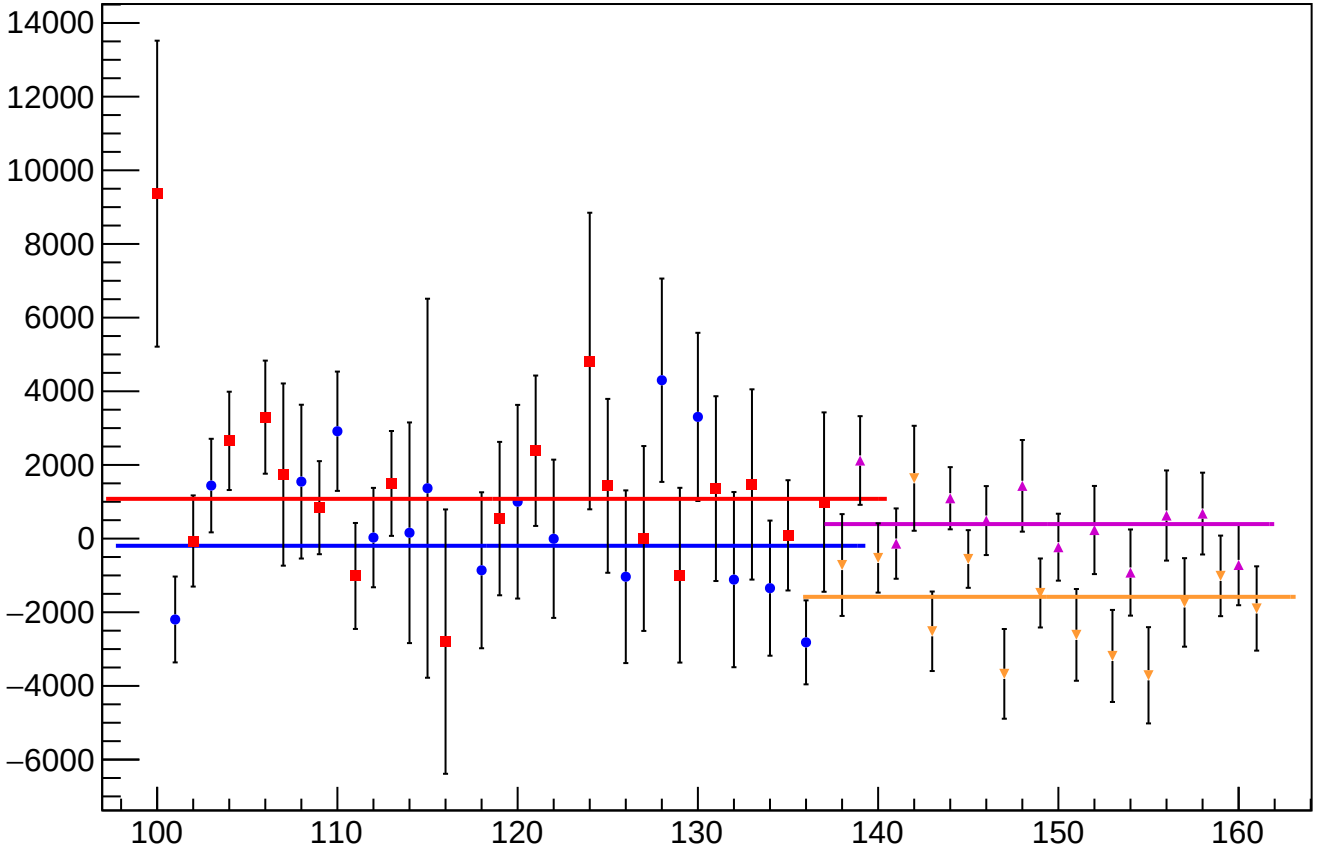
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 125.336+/-0.022 χ^2/NDF:654453.2/26

Out: 124.232+/-0.021 χ^2/NDF:935799.4/31

All: 124.764+/-0.015 χ^2/NDF: 1591561.8/58

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: -1581.085+/-306.995 χ^2/NDF:17.5/12

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 394.215+/-317.327 χ^2/NDF:6.7/10

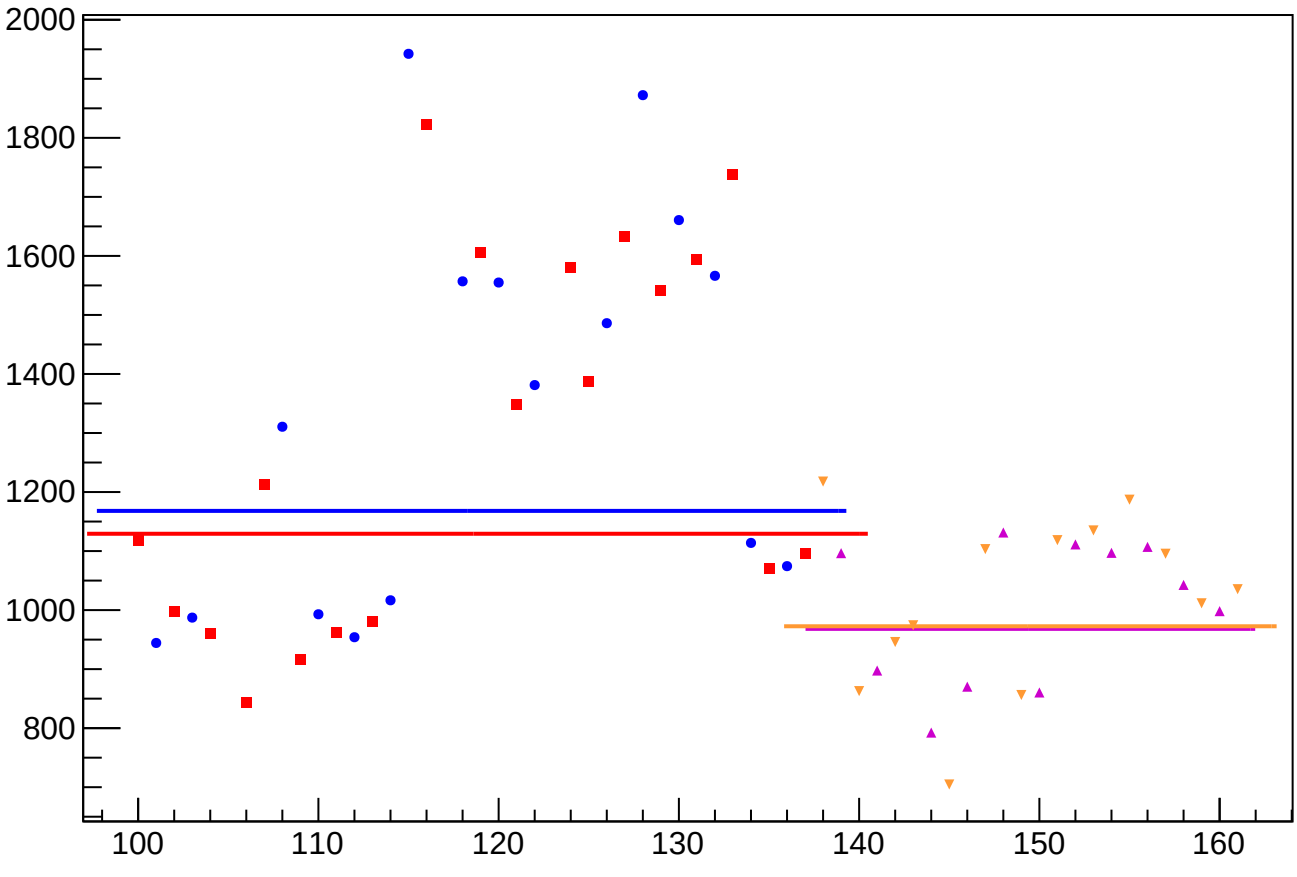
Left: -626.118+/-220.640 χ^2/NDF: 44.2/23

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 196.941+/-258.820 χ^2/NDF:28.2/26

Out: -671.554+/-249.051 χ^2/NDF:57.8/31

All: -254.006+/-179.460 χ^2/NDF: 91.8/58



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 972.604+/-0.217 χ^2/NDF:523512.5/12

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 968.214+/-0.224 χ^2/NDF:293772.4/10

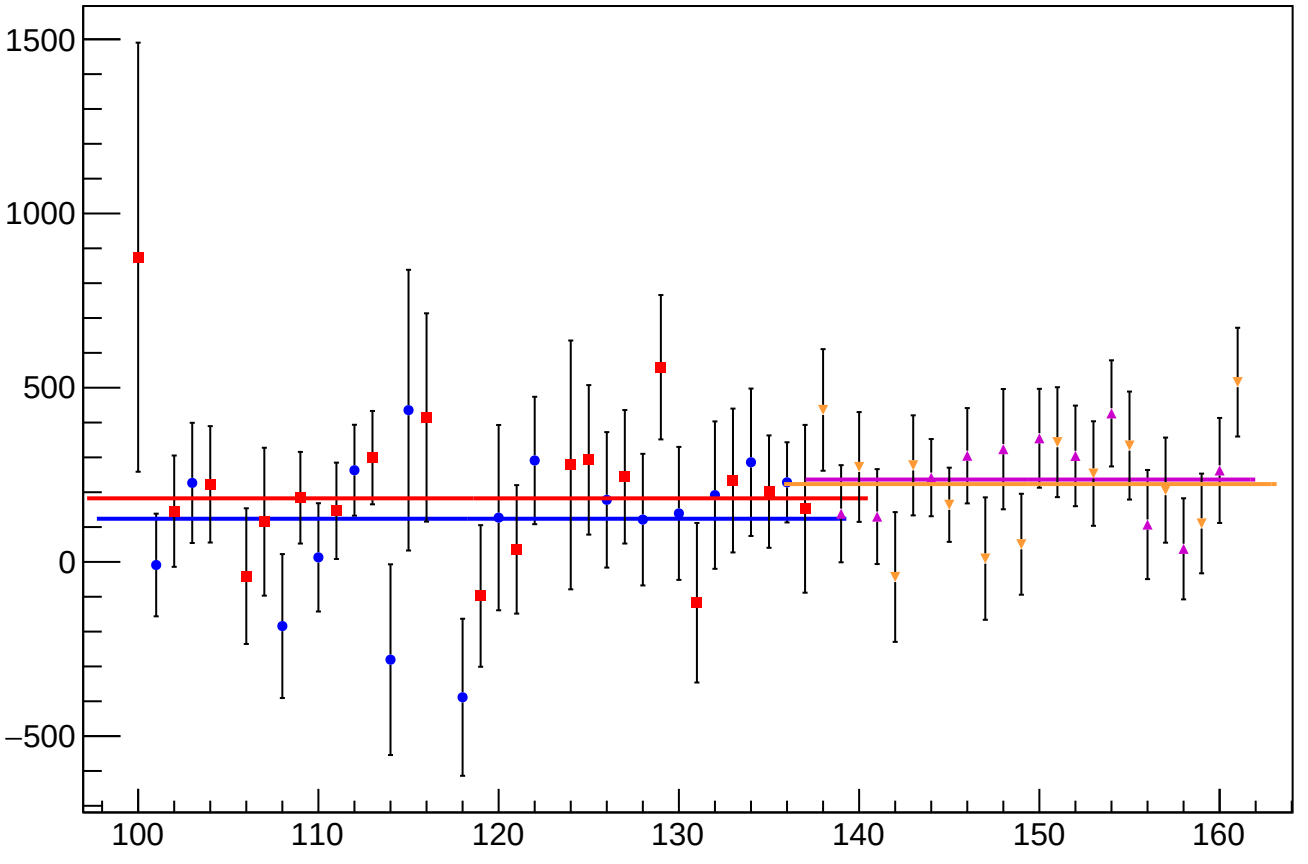
Left: 970.482+/-0.156 χ^2/NDF: 817482.6/23

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1035.115+/-0.183 χ^2/NDF:1268687.7/26

Out: 1026.179+/-0.176 χ^2/NDF:1508904.7/31

All: 1030.475+/-0.127 χ^2/NDF: 2778830.3/58



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 223.361+/-41.565 χ^2/NDF:12.3/12

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 236.418+/-42.762 χ^2/NDF:6.7/10

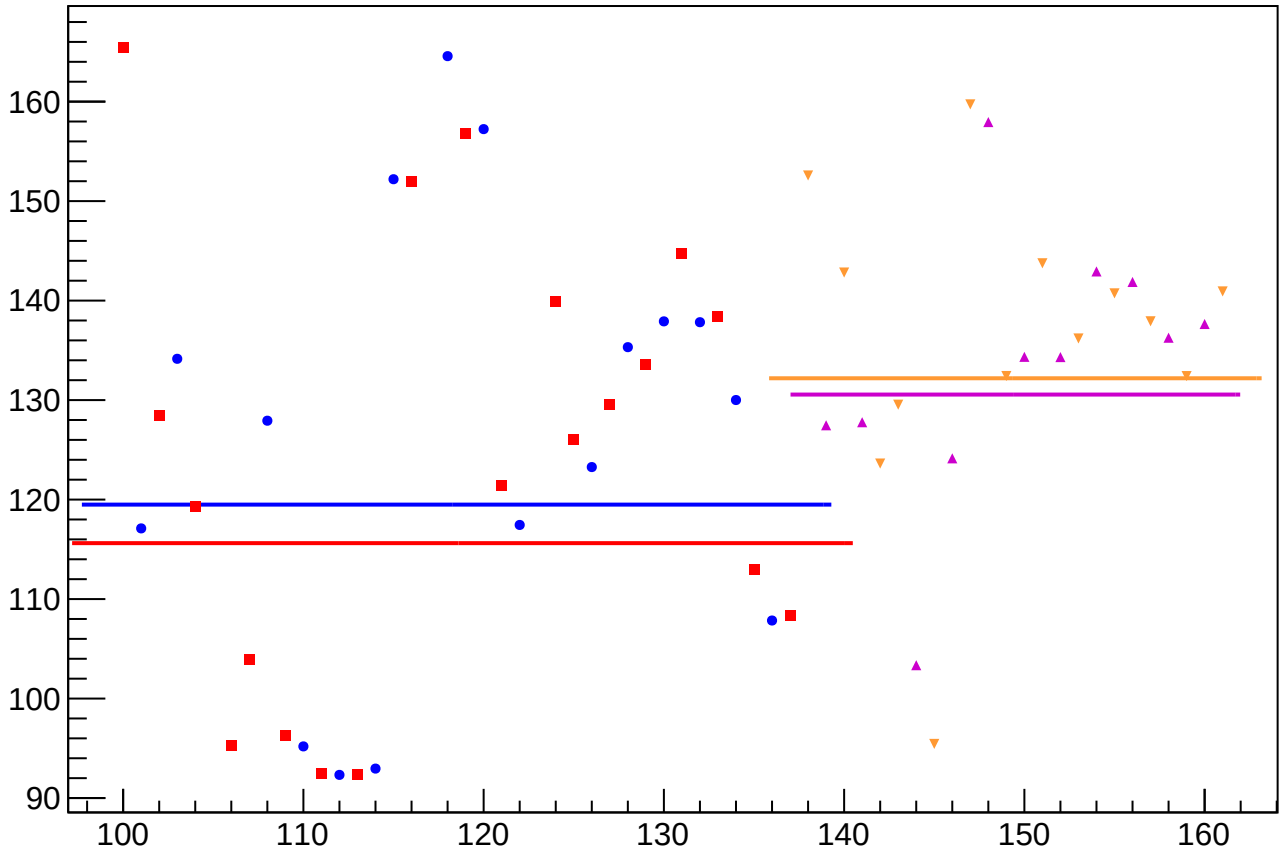
Left: 229.704+/-29.805 χ^2/NDF: 19.0/23

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 183.320+/-31.076 χ^2/NDF:25.4/26

Out: 203.714+/-29.960 χ^2/NDF:25.0/31

All: 193.890+/-21.569 χ^2/NDF: 50.6/58



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.193+/-0.029 χ^2/NDF:356100.6/12

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 130.556+/-0.030 χ^2/NDF:211055.0/10

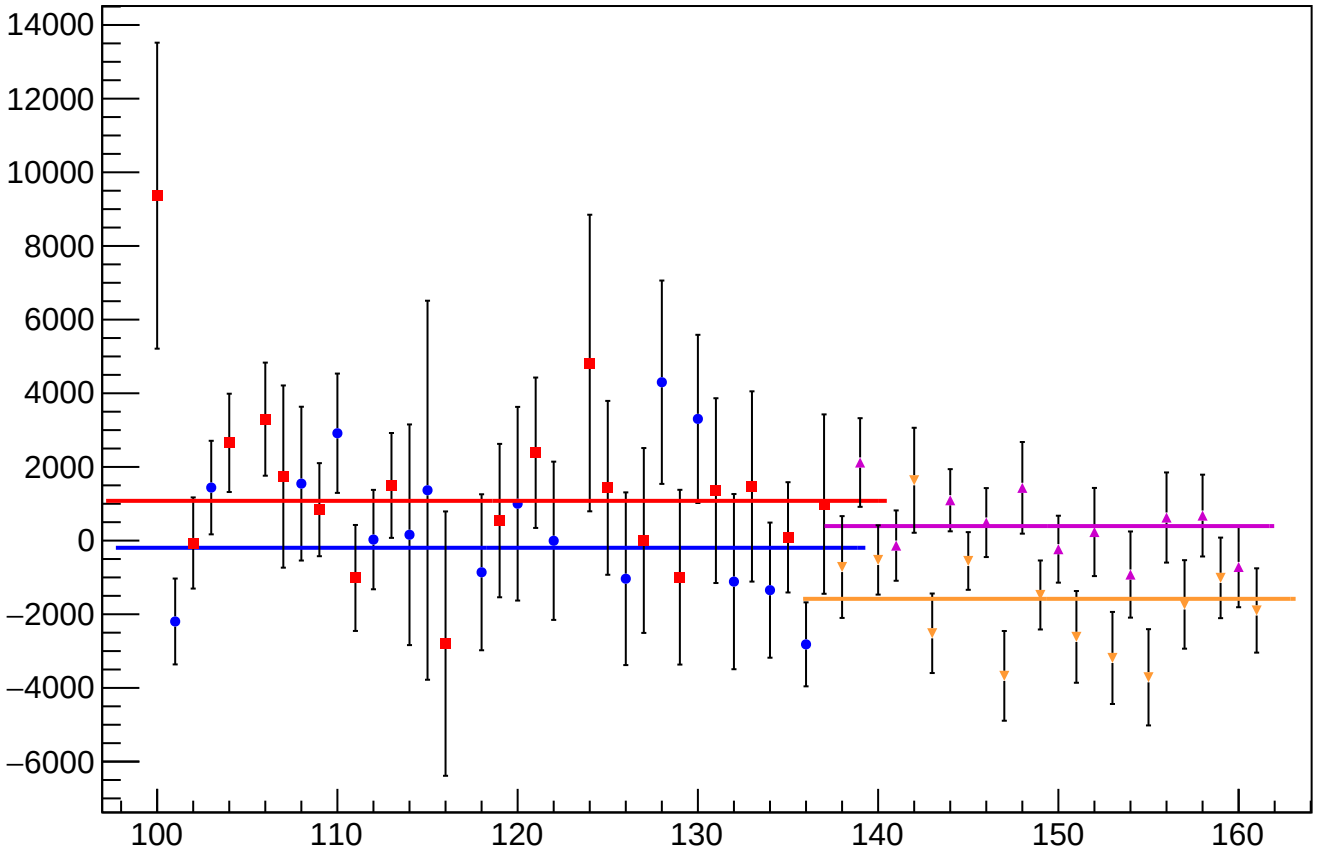
Left: 131.398+/-0.021 χ^2/NDF: 568664.0/23

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 125.336+/-0.022 χ^2/NDF:654455.8/26

Out: 124.232+/-0.021 χ^2/NDF:935804.5/31

All: 124.764+/-0.015 χ^2/NDF: 1591569.7/58



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1581.082+/-306.994 χ^2/NDF:17.5/12

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 394.214+/-317.327 χ^2/NDF:6.7/10

Left: -626.117+/-220.640 χ^2/NDF: 44.2/23

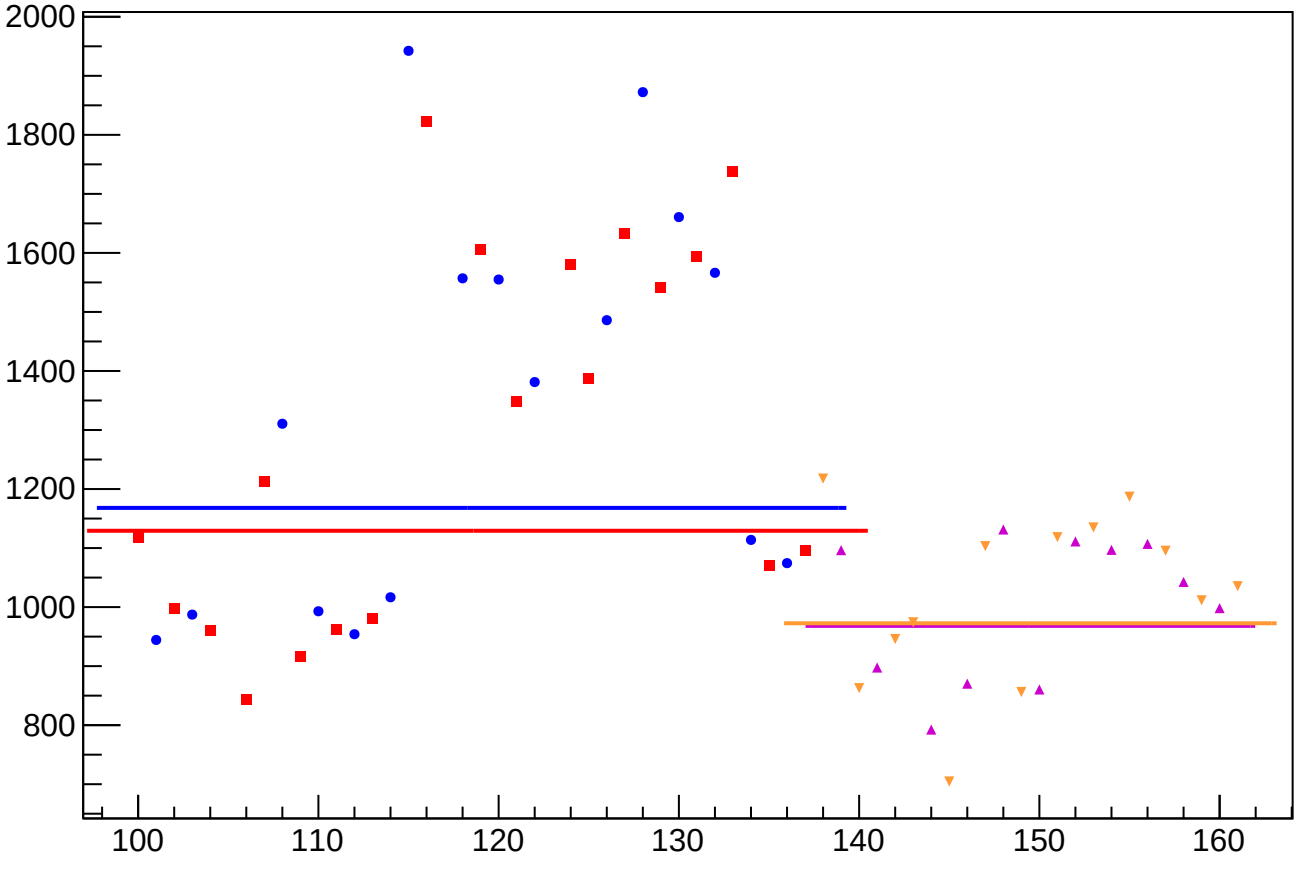
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 196.941+/-258.820 χ^2/NDF:28.2/26

Out: -671.553+/-249.050 χ^2/NDF:57.8/31

All: -254.006+/-179.459 χ^2/NDF: 91.8/58

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 972.603+/-0.217 χ^2/NDF:523515.6/12

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 968.214+/-0.224 χ^2/NDF:293770.3/10

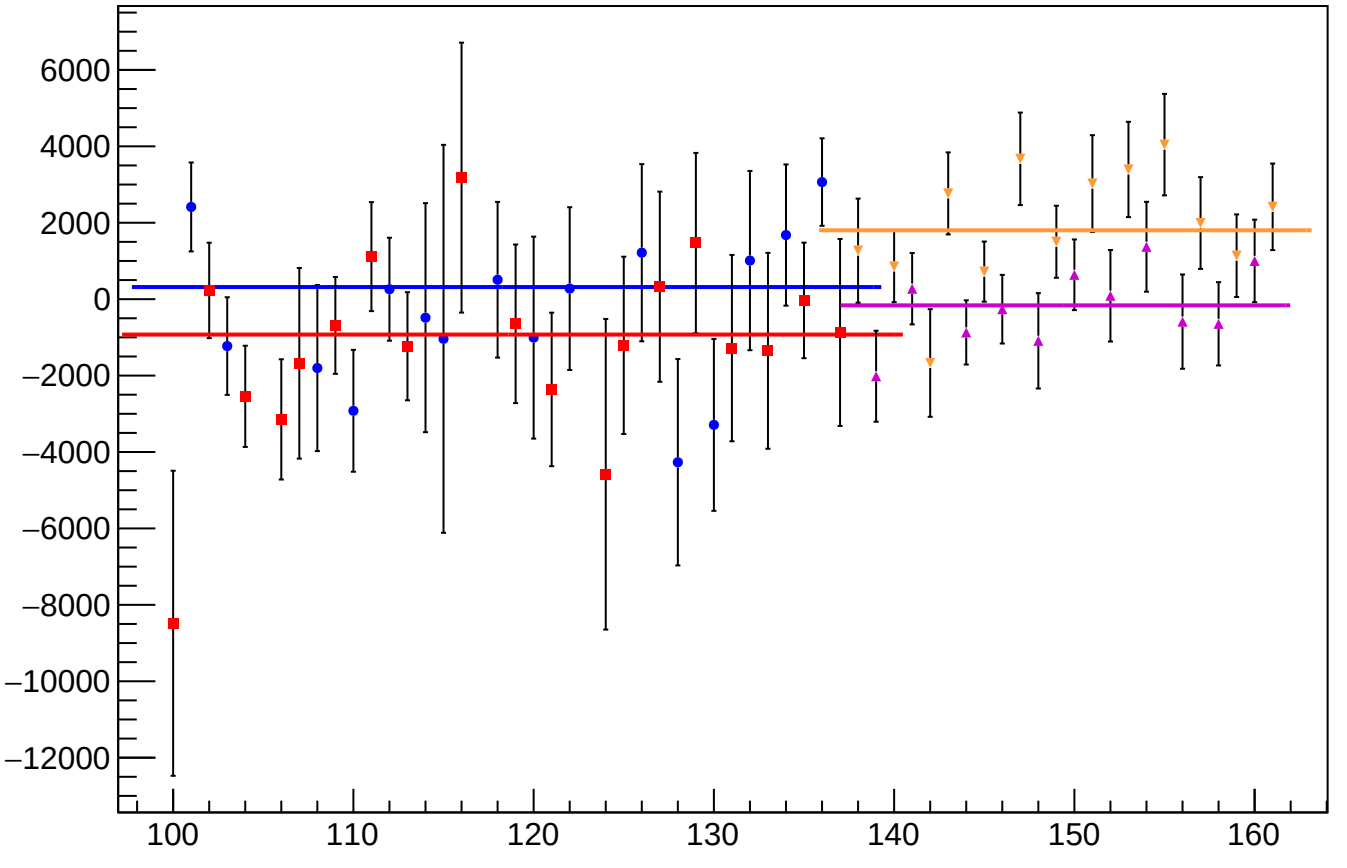
Left: 970.481+/-0.156 χ^2/NDF: 817483.6/23

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1035.115+/-0.183 χ^2/NDF:1268687.9/26

Out: 1026.178+/-0.176 χ^2/NDF:1508910.6/31

All: 1030.475+/-0.127 χ^2/NDF: 2778836.6/58



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1802.515+/-306.463 χ^2/NDF:18.6/12

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -161.905+/-314.768 χ^2/NDF:7.9/10

Left: 846.564+/-219.579 χ^2/NDF: 46.4/23

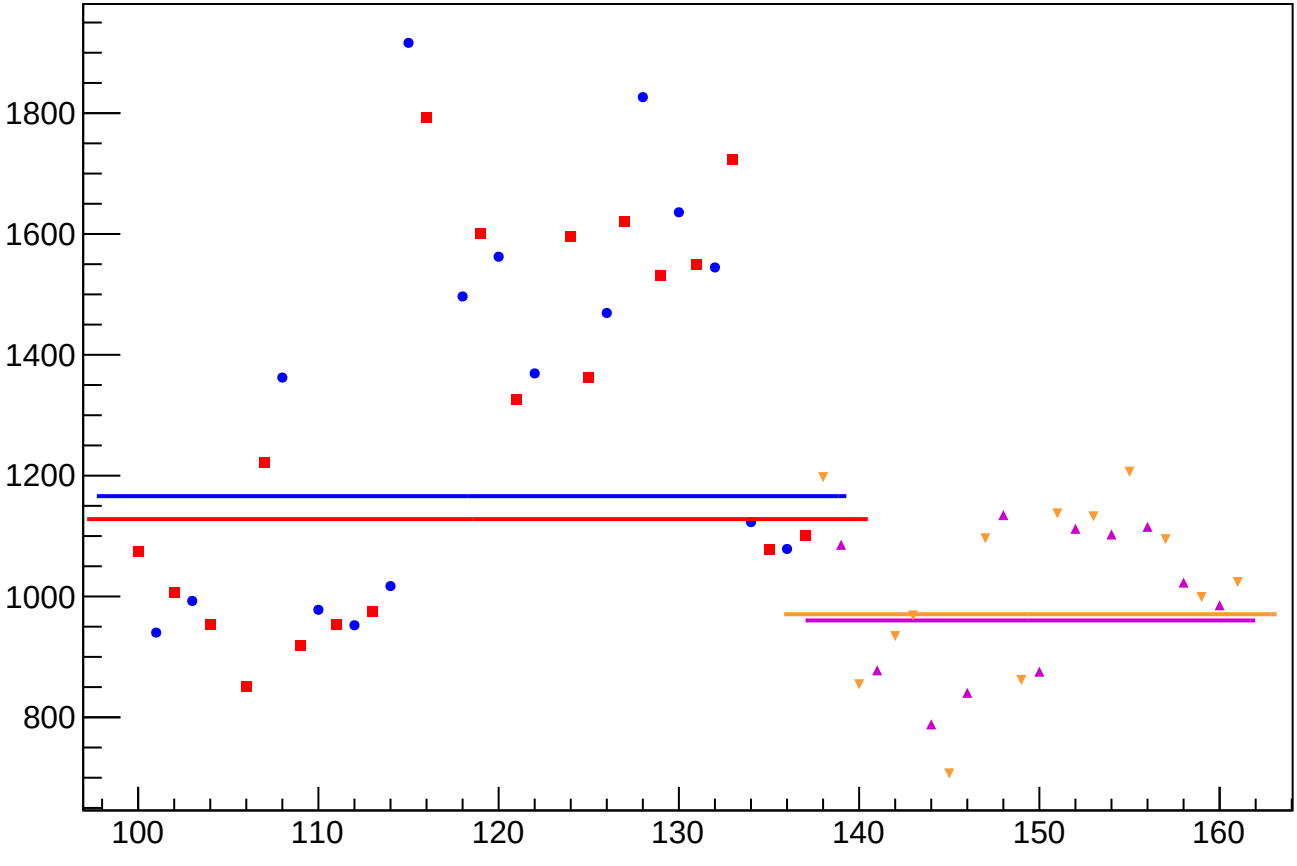
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -2.717+/-257.236 χ^2/NDF:30.8/26

Out: 870.269+/-248.657 χ^2/NDF:60.2/31

All: 448.575+/-178.783 χ^2/NDF: 97.0/58

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 970.592+/-0.217 χ^2/NDF:519183.0/12

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 960.304+/-0.223 χ^2/NDF:313503.0/10

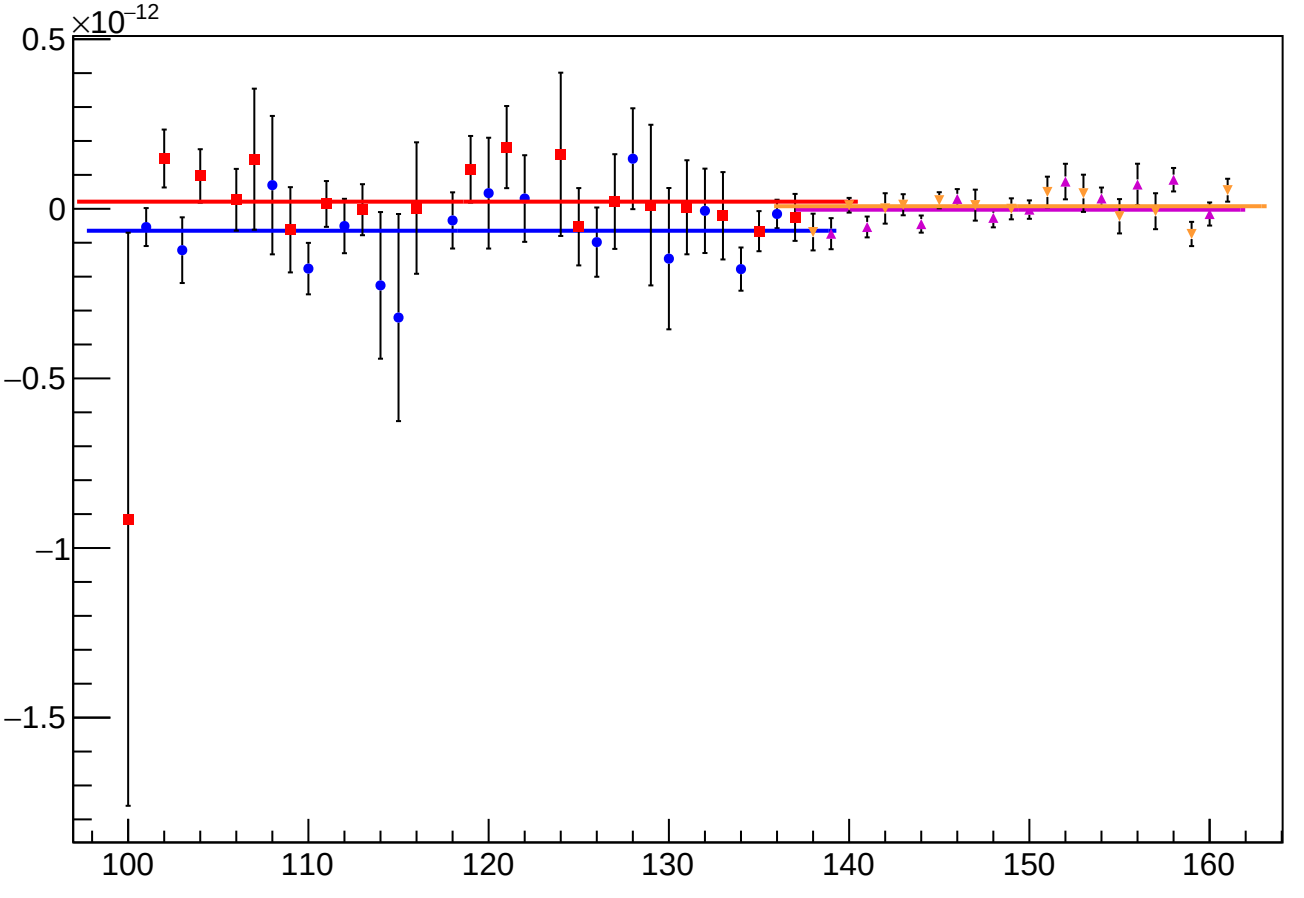
Left: 965.585+/-0.155 χ^2/NDF: 833782.7/23

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1028.644+/-0.182 χ^2/NDF:1274402.8/26

Out: 1024.375+/-0.176 χ^2/NDF:1475236.4/31

All: 1026.437+/-0.126 χ^2/NDF: 2749924.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/10

Left: 0.000+/-0.000 χ^2/NDF: 33.8/23

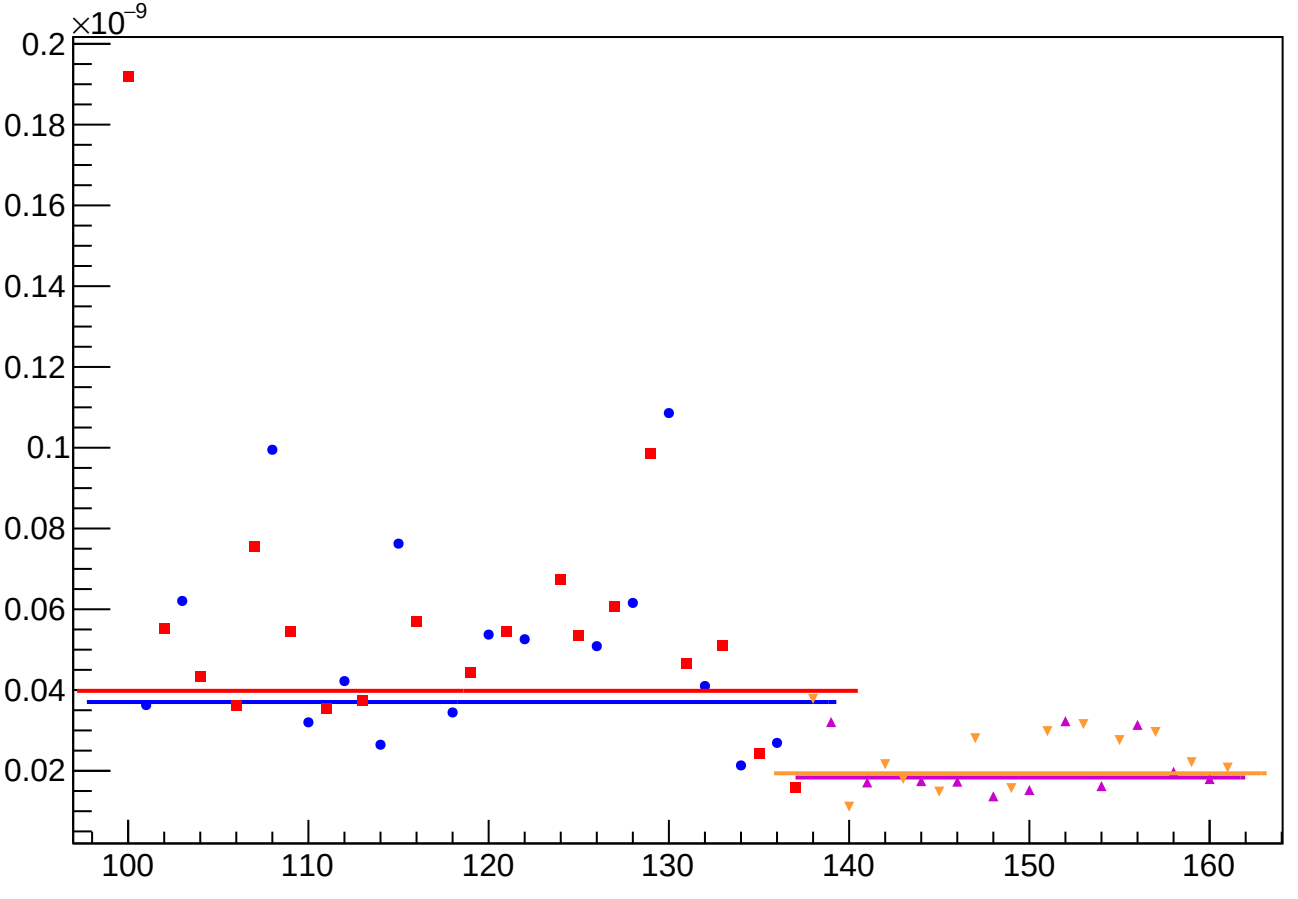
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:40.8/26

Out: 0.000+/-0.000 χ^2/NDF:23.4/31

All: -0.000+/-0.000 χ^2/NDF: 67.5/58

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053135.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:513401.8/10

Left: 0.000+/-0.000 χ^2/NDF: 1577925.0/23

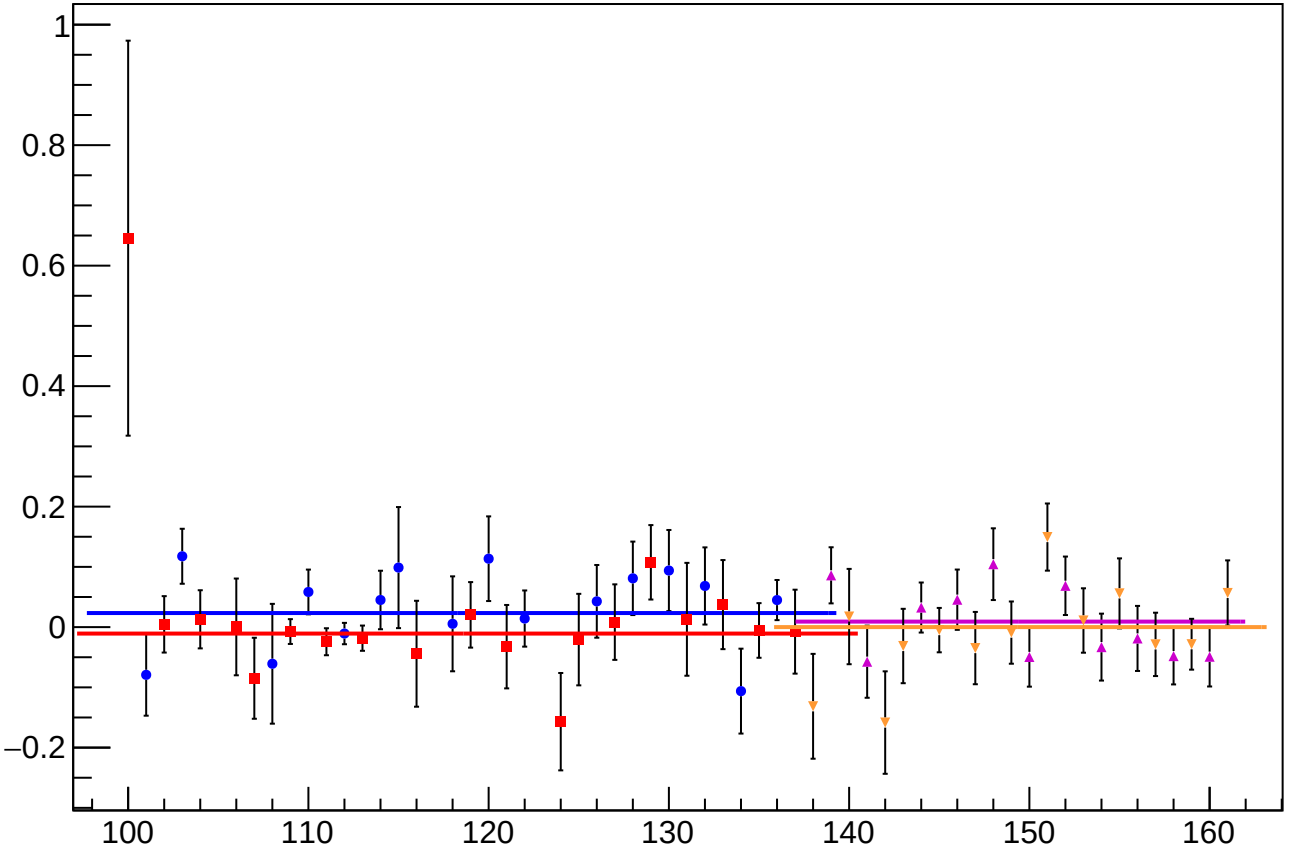
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2725561.3/26

Out: 0.000+/-0.000 χ^2/NDF:3282617.2/31

All: 0.000+/-0.000 χ^2/NDF: 6019308.8/58

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/10

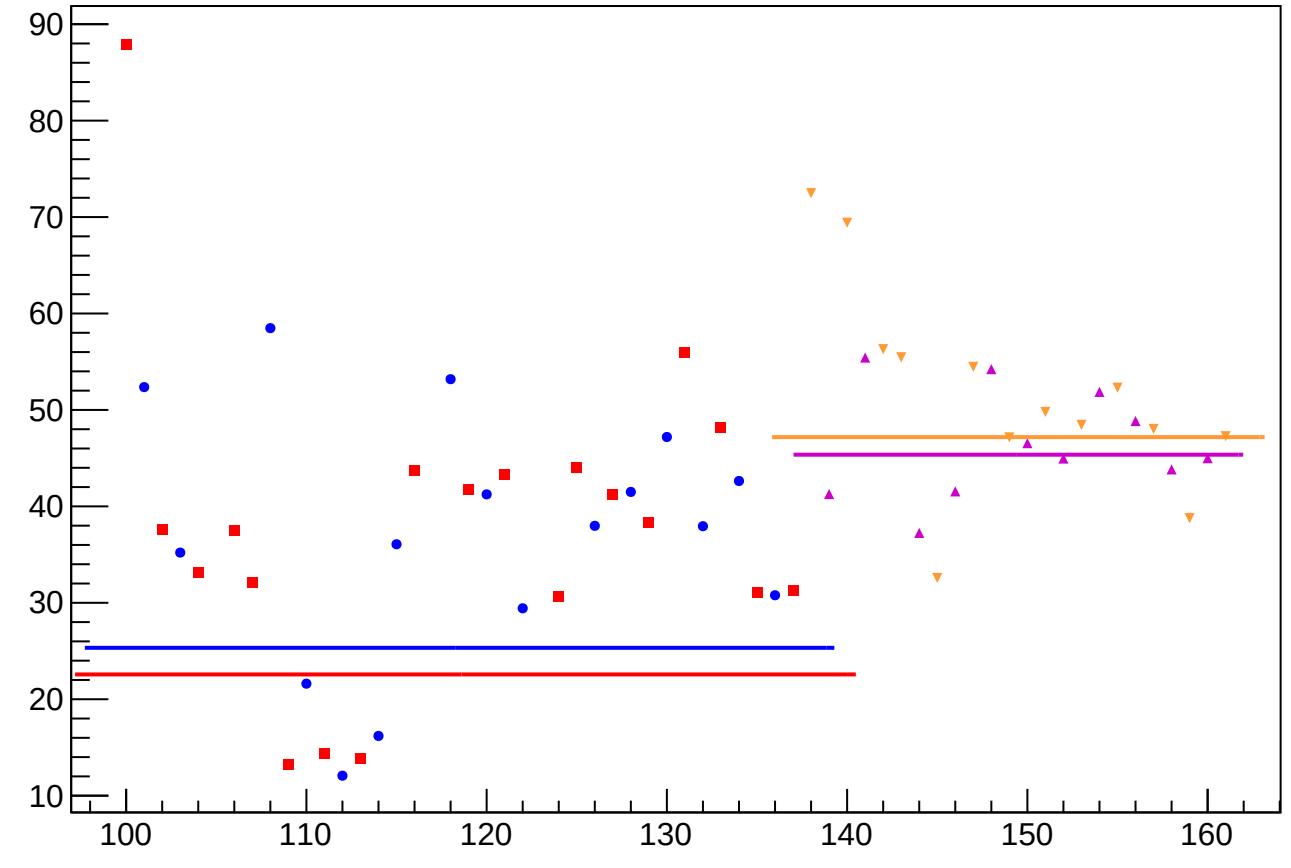
Left: 0.005+/-0.011 χ^2/NDF: 30.6/23

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.008+/-0.008 χ^2/NDF:31.0/31

All: 0.004+/-0.006 χ^2/NDF: 70.9/58



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.181+/-0.011 χ^2/NDF:830718.4/12

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.359+/-0.011 χ^2/NDF:243669.9/10

Left: 46.265+/-0.008 χ^2/NDF: 1088787.4/23

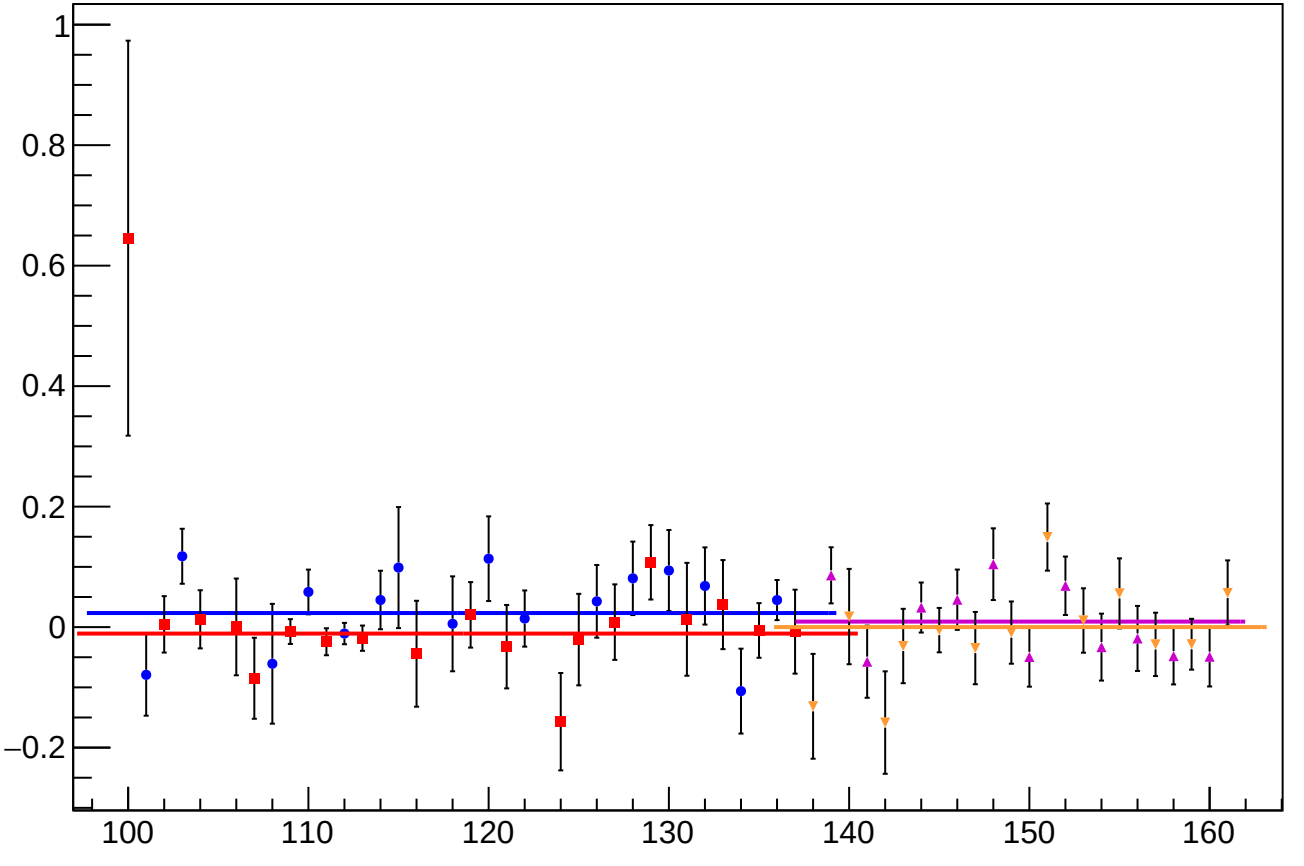
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 32.311+/-0.006 χ^2/NDF:5449696.3/26

Out: 29.784+/-0.006 χ^2/NDF:7665410.5/31

All: 30.946+/-0.004 χ^2/NDF: 13201565.0/58

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: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/10

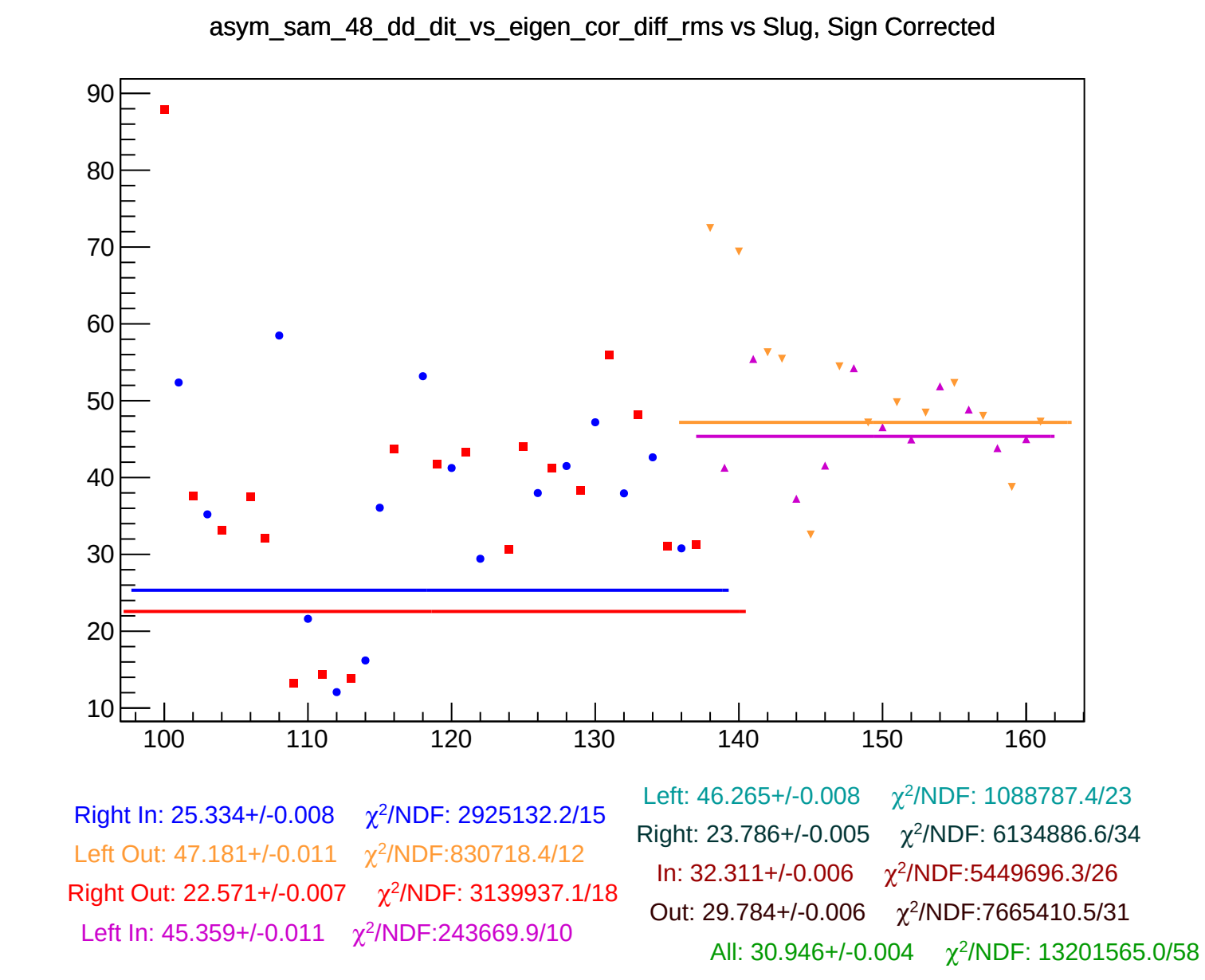
Left: 0.005+/-0.011 χ^2/NDF: 30.6/23

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.008+/-0.008 χ^2/NDF:31.0/31

All: 0.004+/-0.006 χ^2/NDF: 70.9/58


asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
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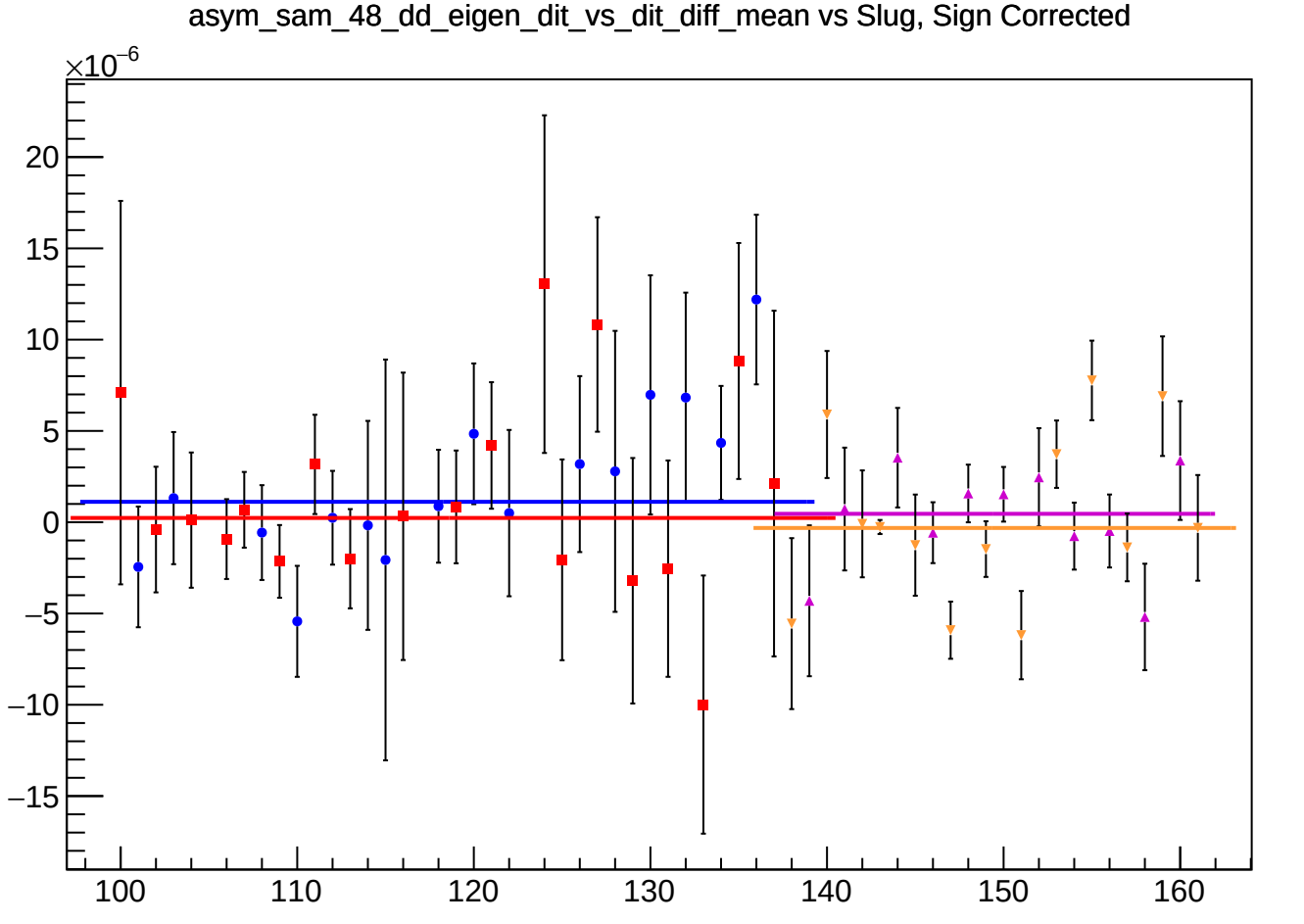
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.334+/-0.008 χ²/NDF: 2925132.2/15
Left Out: 47.181+/-0.011 χ²/NDF:830718.4/12
Right Out: 22.571+/-0.007 χ²/NDF: 3139937.1/18
Left In: 45.359+/-0.011 χ²/NDF:243669.9/10
Left: 46.265+/-0.008 χ²/NDF: 1088787.4/23
Right: 23.786+/-0.005 χ²/NDF: 6134886.6/34
In: 32.311+/-0.006 χ²/NDF:5449696.3/26
Out: 29.784+/-0.006 χ²/NDF:7665410.5/31
All: 30.946+/-0.004 χ²/NDF: 13201565.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/10

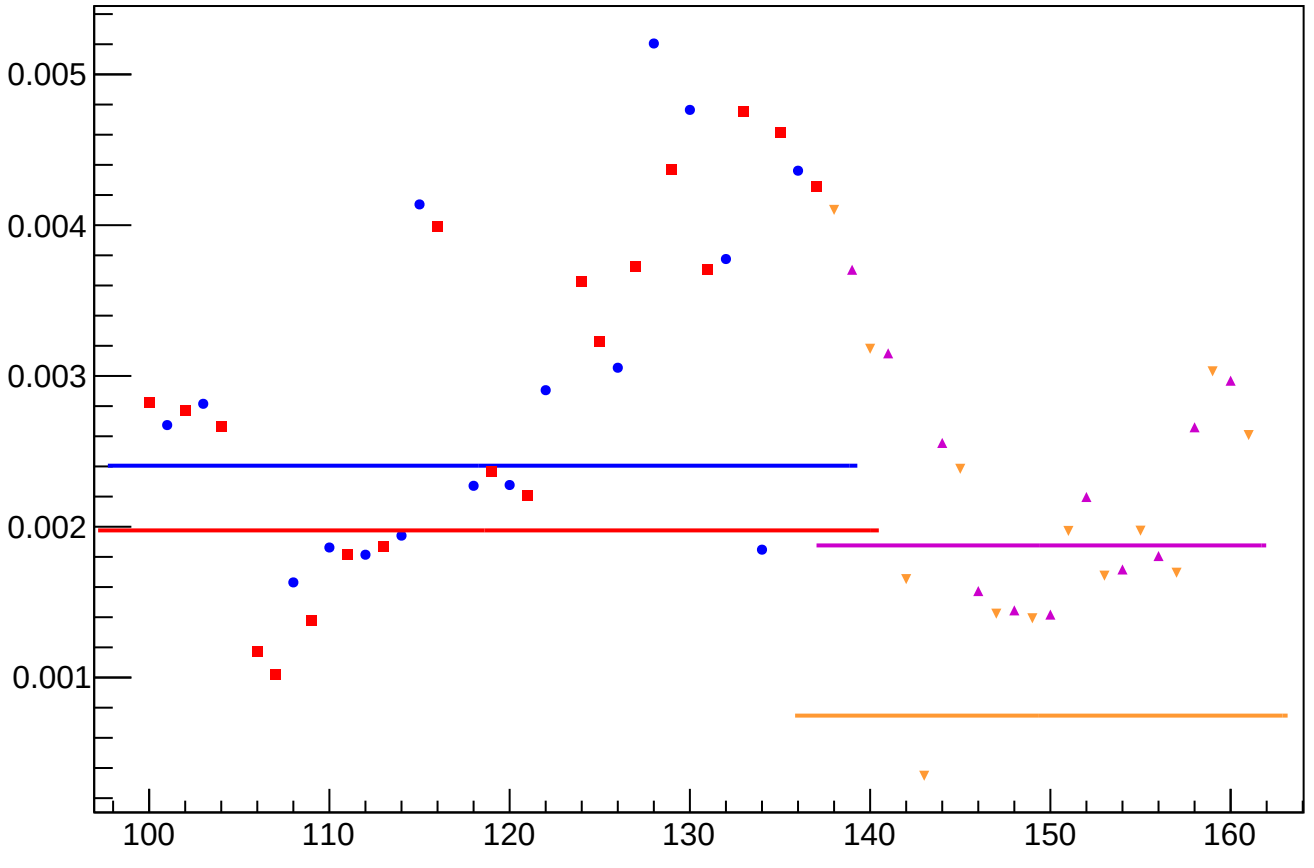
Left: -0.000+/-0.000 χ^2/NDF: 58.5/23

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/26

Out: -0.000+/-0.000 χ^2/NDF:63.1/31

All: -0.000+/-0.000 χ^2/NDF: 91.5/58



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9730701.4/12

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1621473.0/10

Left: 0.001+/-0.000 χ^2/NDF: 16168047.1/23

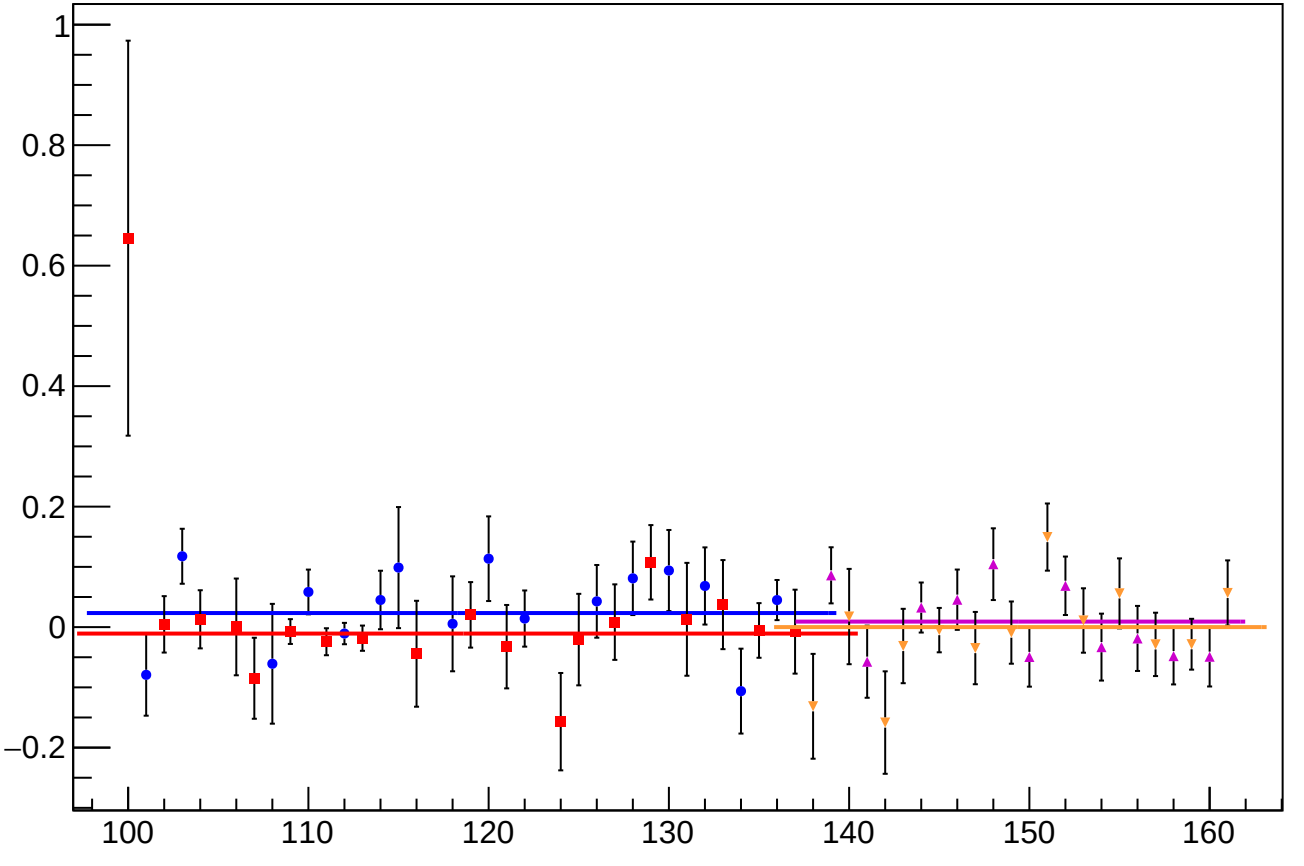
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3613790.9/26

Out: 0.001+/-0.000 χ^2/NDF:16423492.7/31

All: 0.001+/-0.000 χ^2/NDF: 26616749.7/58

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: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/10

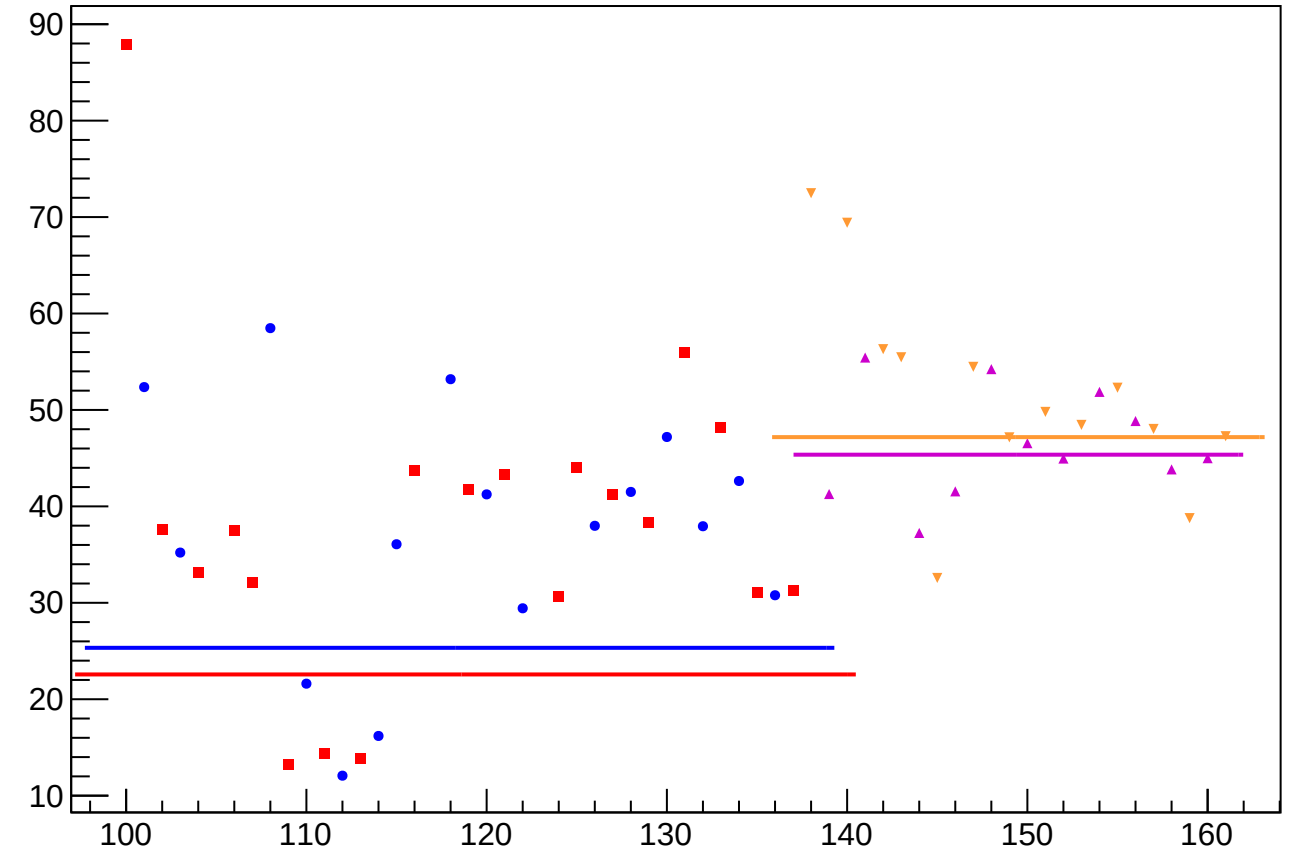
Left: 0.005+/-0.011 χ^2/NDF: 30.6/23

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.008+/-0.008 χ^2/NDF:31.0/31

All: 0.004+/-0.006 χ^2/NDF: 70.9/58



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.181+/-0.011 χ^2/NDF:830673.3/12

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.360+/-0.011 χ^2/NDF:243659.7/10

Left: 46.265+/-0.008 χ^2/NDF: 1088732.3/23

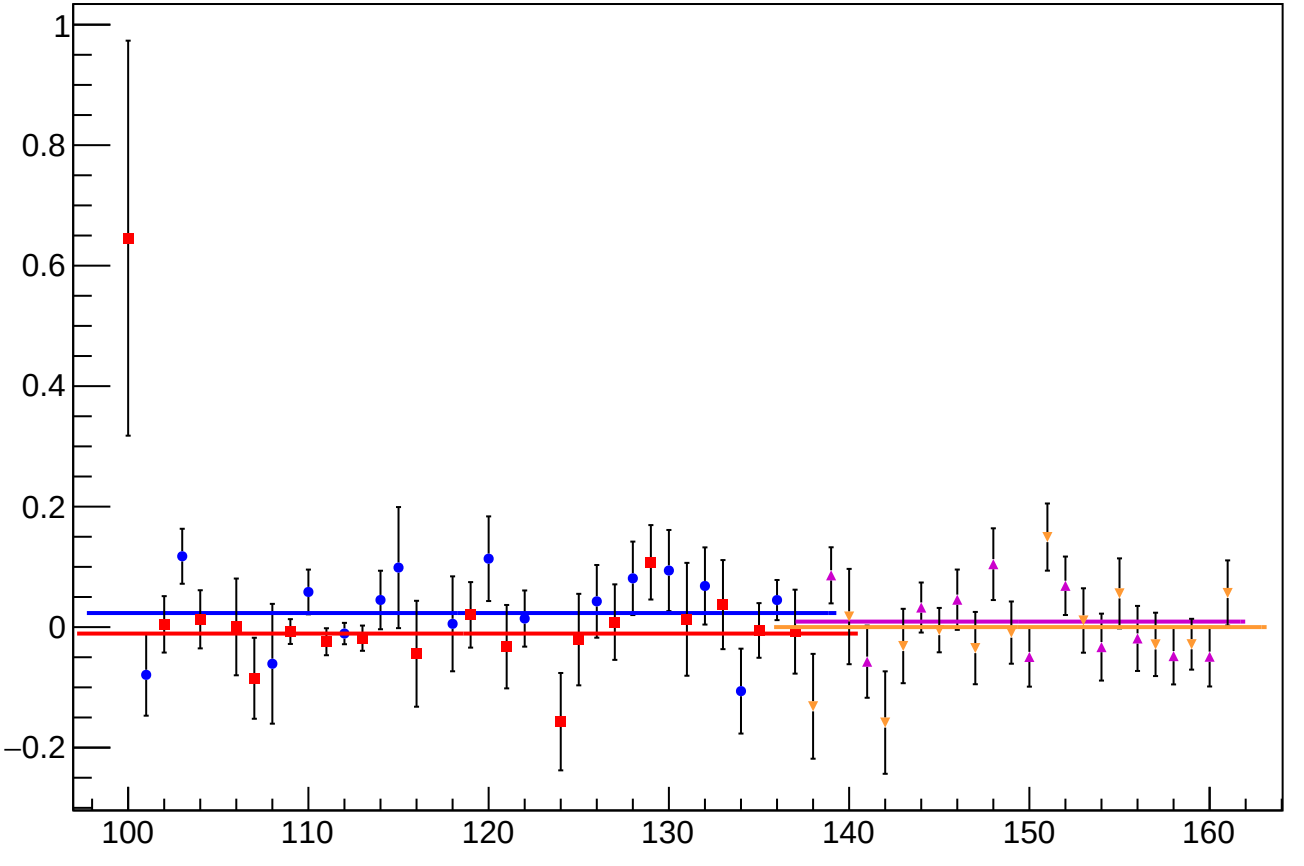
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.310+/-0.006 χ^2/NDF:5450536.0/26

Out: 29.784+/-0.006 χ^2/NDF:7665725.9/31

All: 30.945+/-0.004 χ^2/NDF: 13202666.8/58

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: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/10

Left: 0.005+/-0.011 χ^2/NDF: 30.6/23

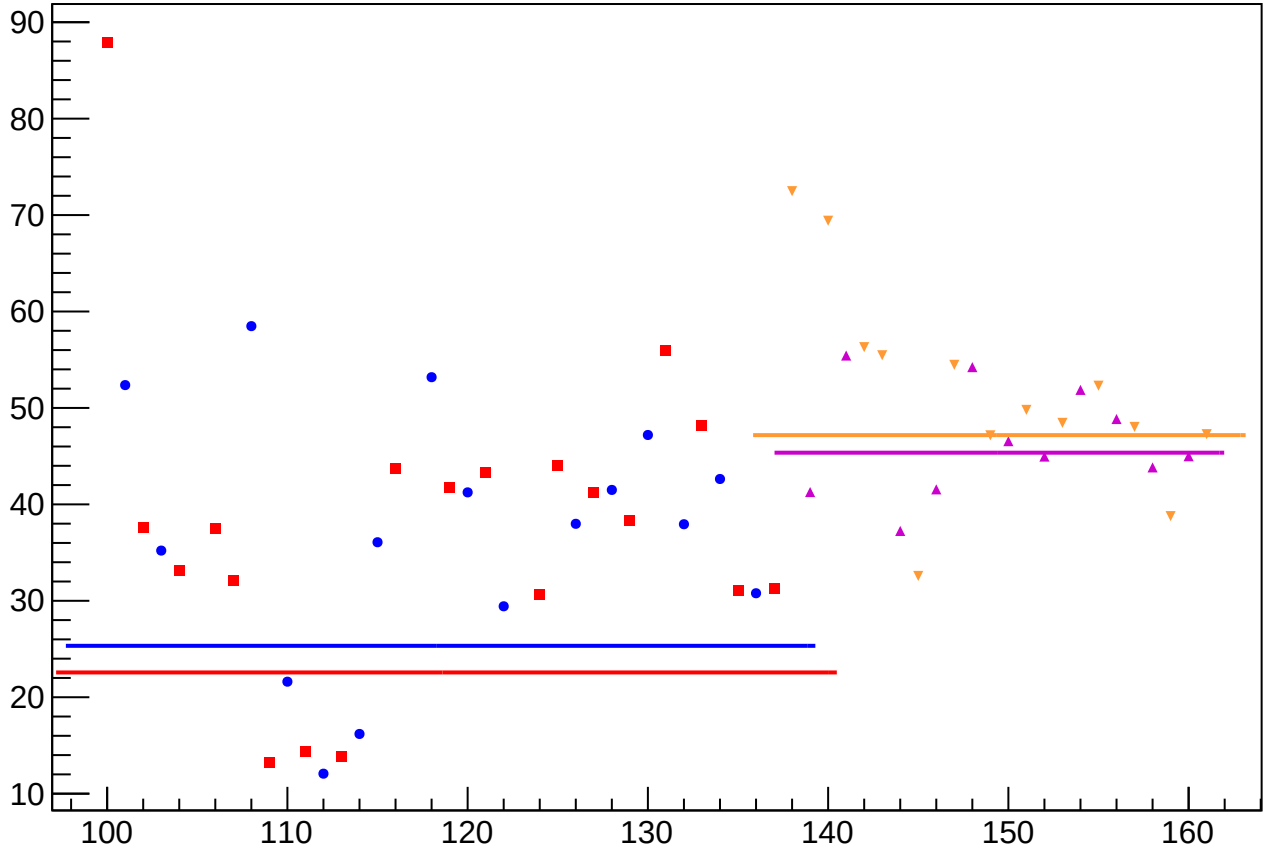
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.3/26

Out: -0.008+/-0.008 χ^2/NDF:31.0/31

All: 0.004+/-0.006 χ^2/NDF: 70.9/58

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.181+/-0.011 χ^2/NDF:830673.3/12

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.360+/-0.011 χ^2/NDF:243659.7/10

Left: 46.265+/-0.008 χ^2/NDF: 1088732.3/23

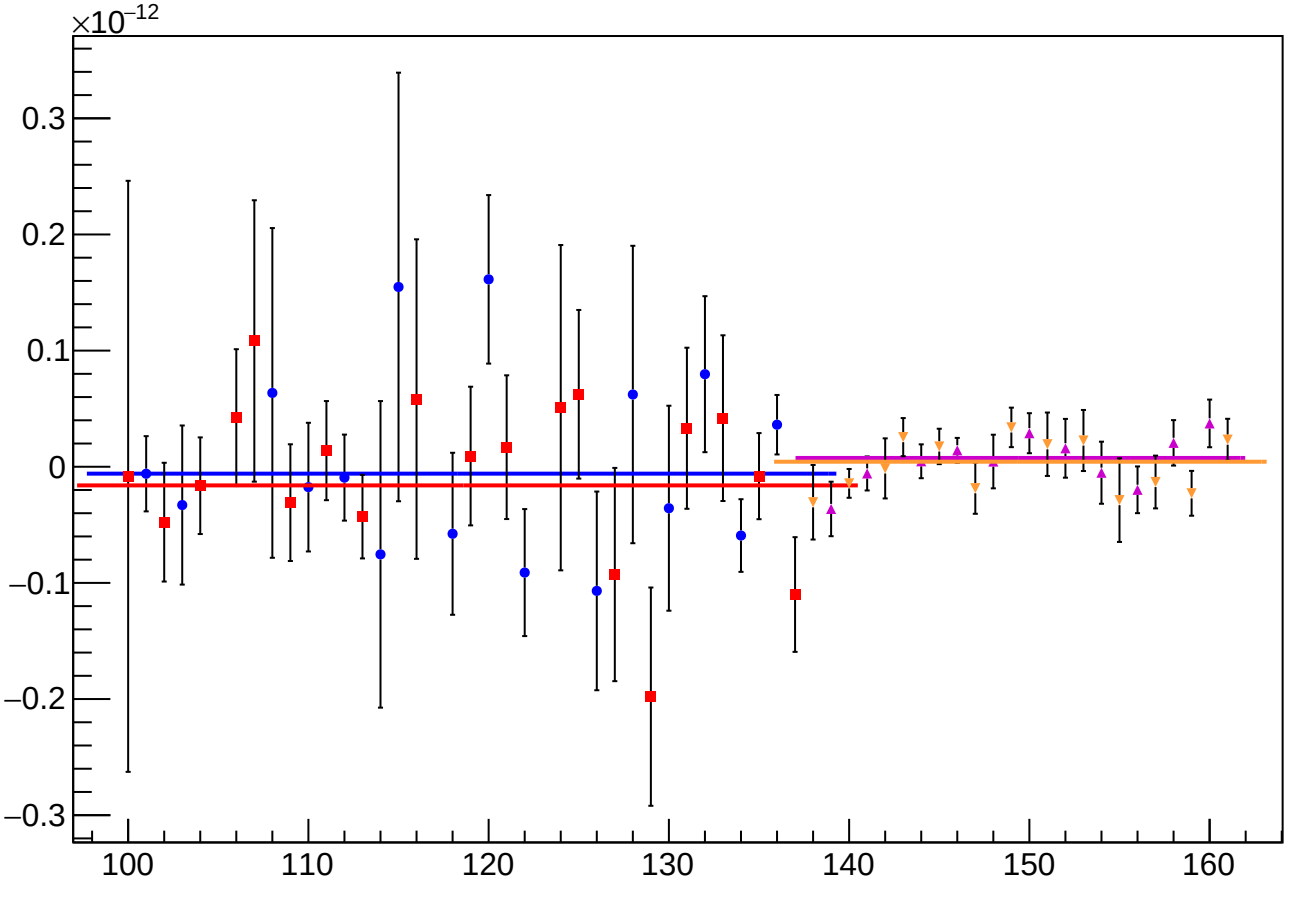
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.310+/-0.006 χ^2/NDF:5450536.0/26

Out: 29.784+/-0.006 χ^2/NDF:7665725.9/31

All: 30.945+/-0.004 χ^2/NDF: 13202666.8/58

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/10

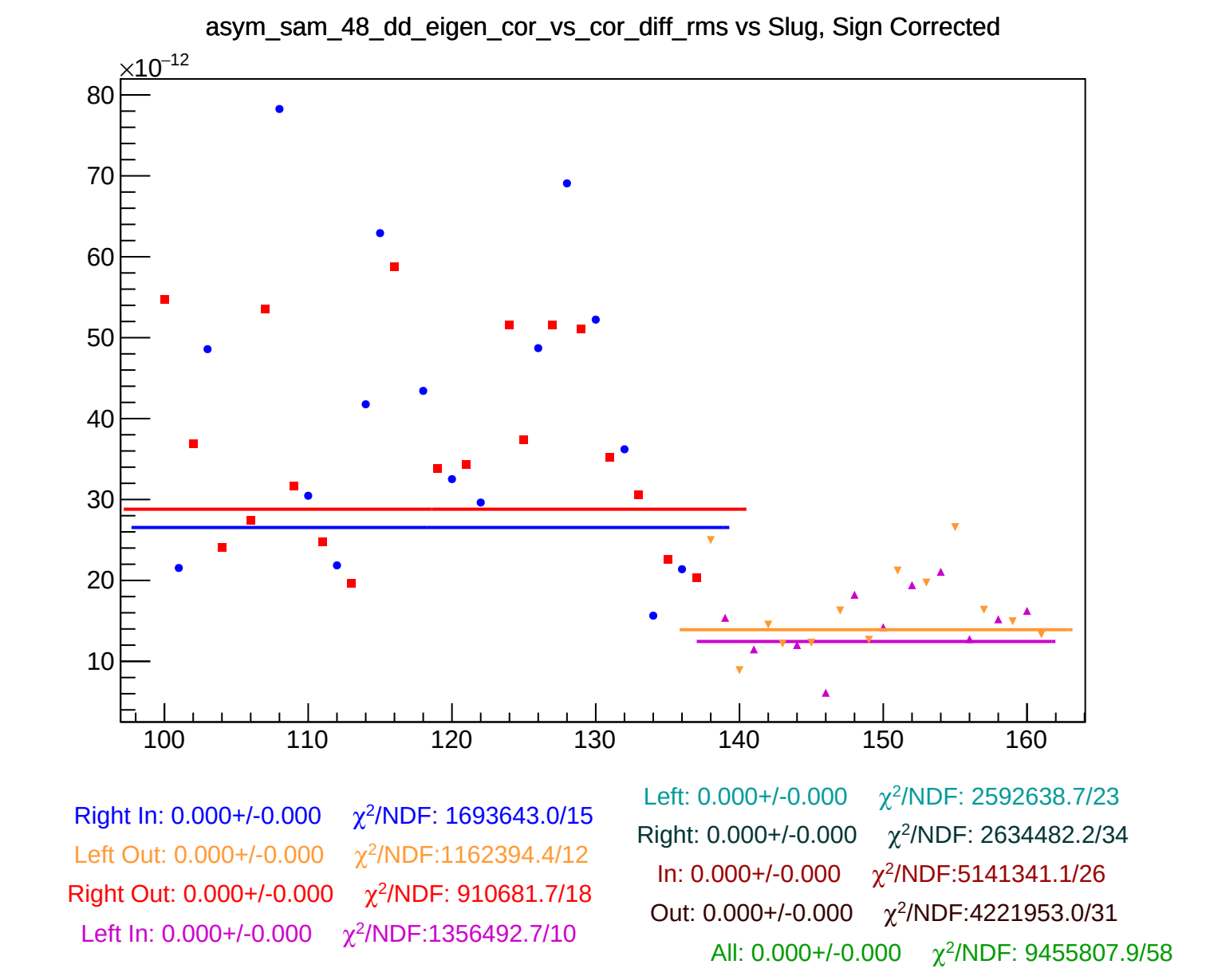
Left: 0.000+/-0.000 χ^2/NDF: 26.5/23

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:30.8/26

Out: 0.000+/-0.000 χ^2/NDF:32.3/31

All: 0.000+/-0.000 χ^2/NDF: 63.5/58


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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10
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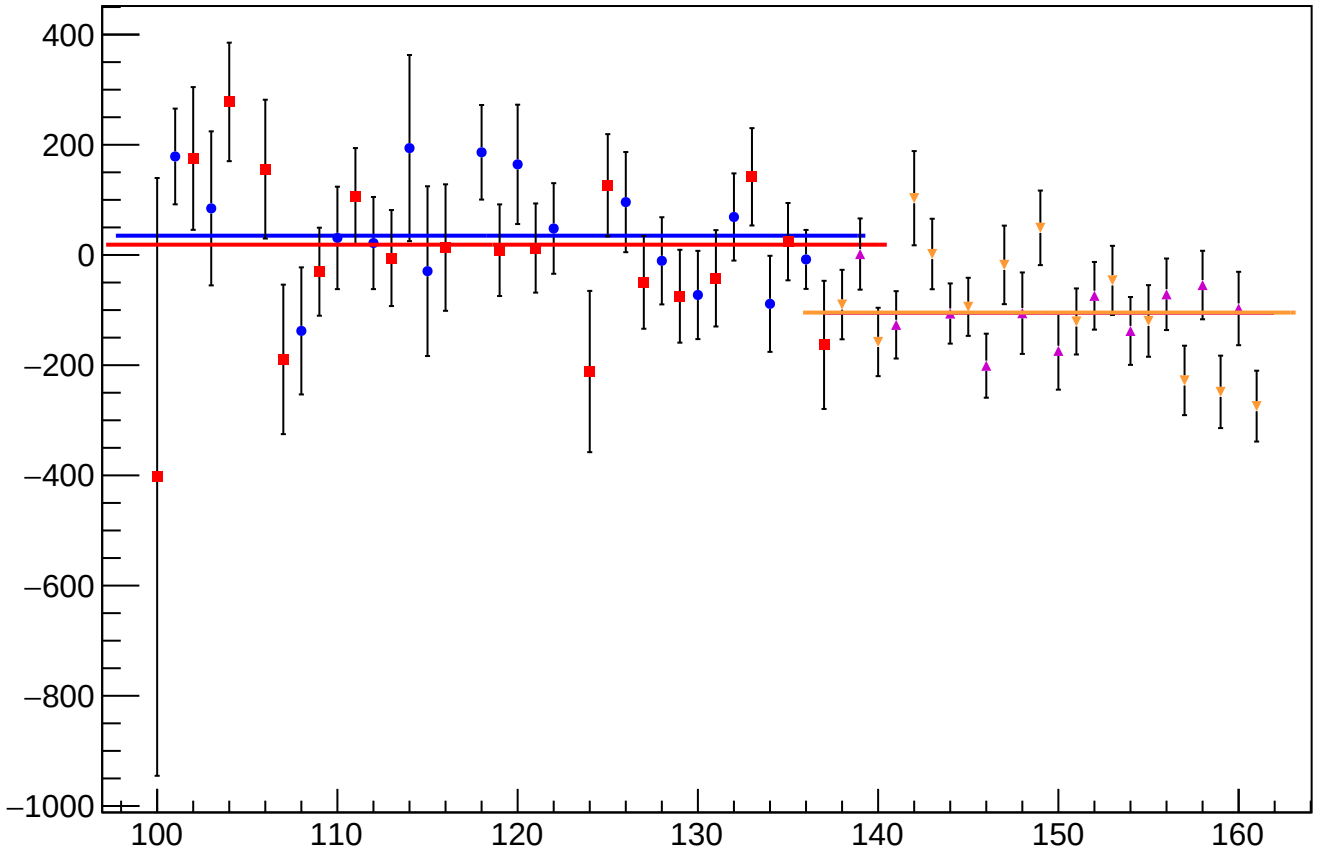
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1162394.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1356492.7/10
Left: 0.000+/-0.000 χ²/NDF: 2592638.7/23
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5141341.1/26
Out: 0.000+/-0.000 χ²/NDF:4221953.0/31
All: 0.000+/-0.000 χ²/NDF: 9455807.9/58



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.528+/-17.783 χ^2/NDF:32.7/12

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -105.297+/-18.987 χ^2/NDF:8.0/10

Left: -104.887+/-12.980 χ^2/NDF: 40.7/23

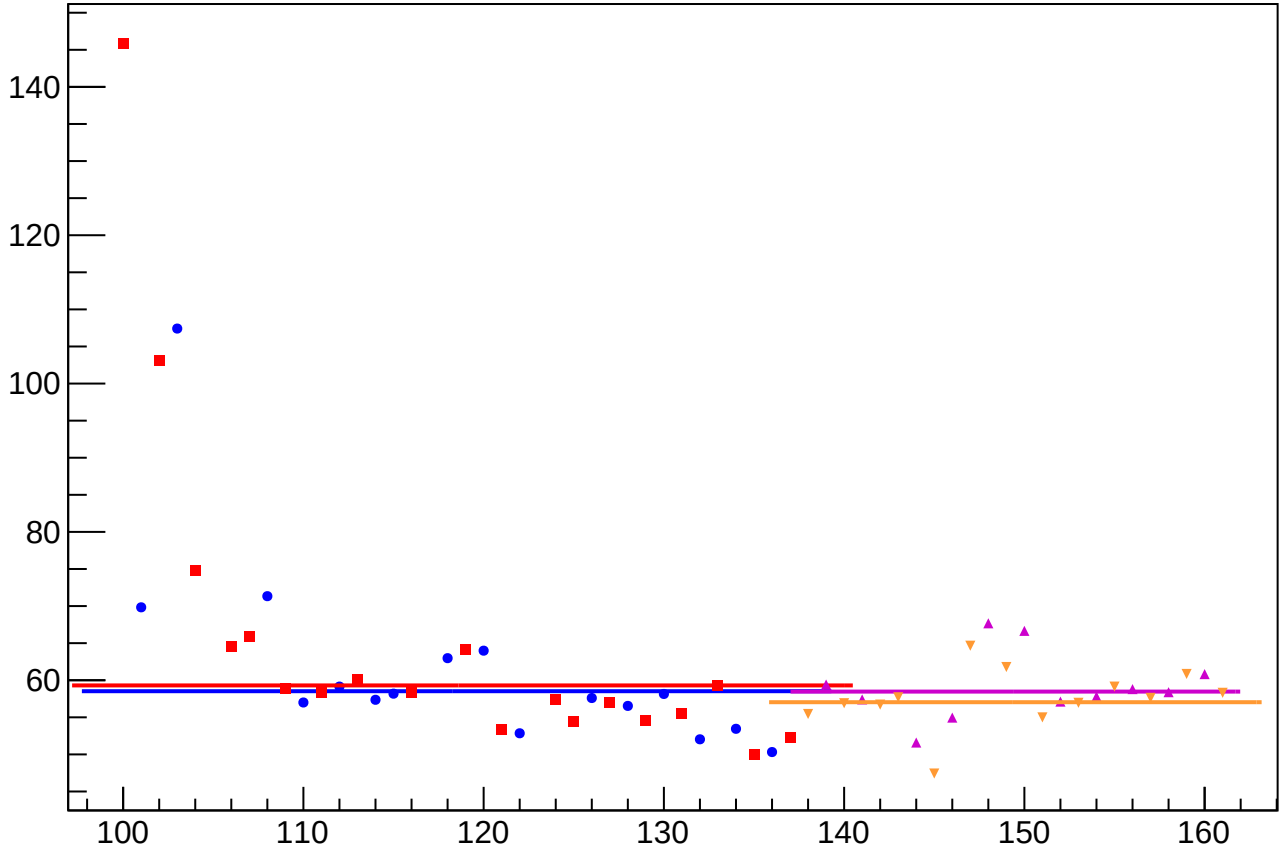
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -45.814+/-14.411 χ^2/NDF:47.4/26

Out: -56.199+/-13.864 χ^2/NDF:75.0/31

All: -51.208+/-9.991 χ^2/NDF: 122.7/58

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

Left: 57.707+/-0.009 χ^2/NDF: 220694.6/23

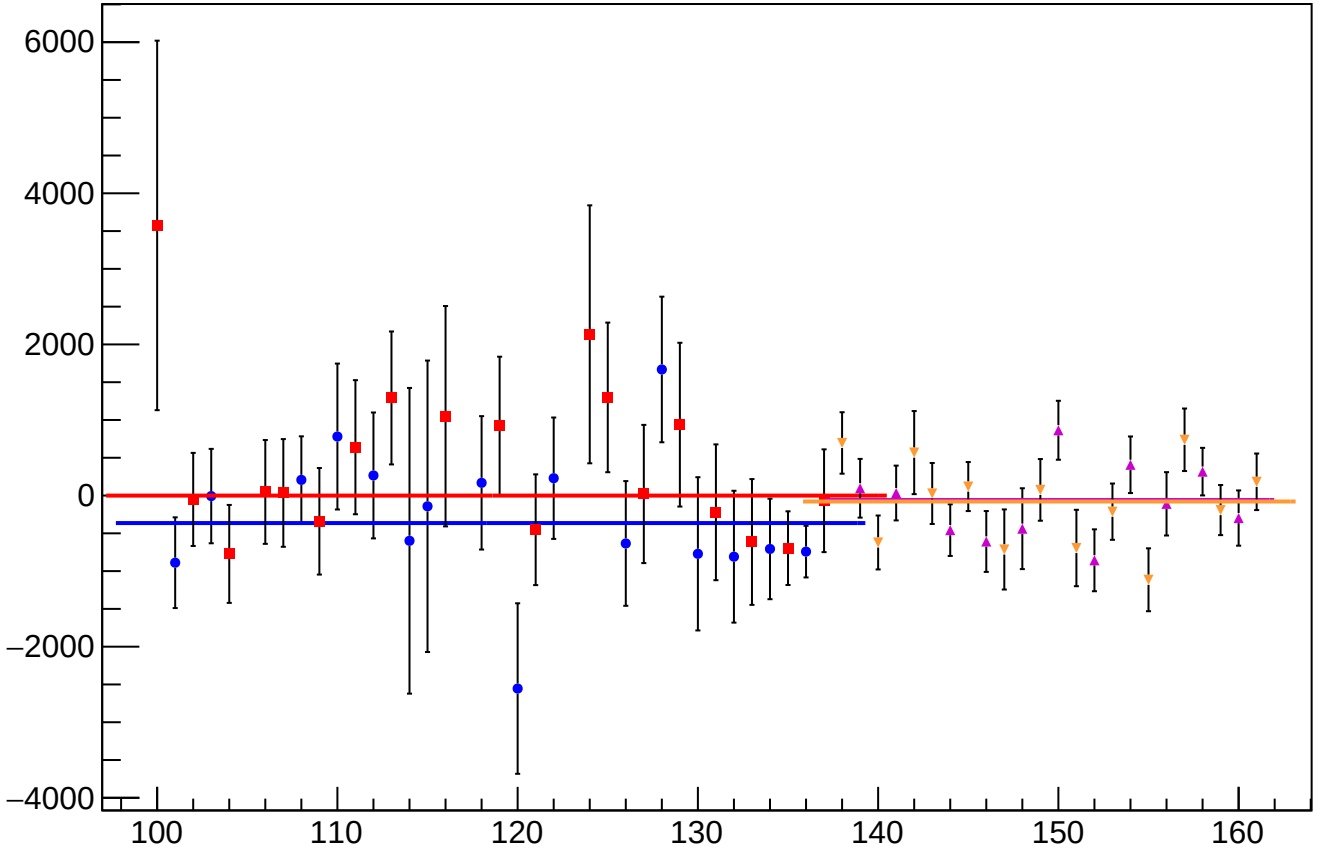
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.492+/-0.010 χ^2/NDF:494531.6/26

Out: 57.926+/-0.010 χ^2/NDF:532172.6/31

All: 58.198+/-0.007 χ^2/NDF: 1028302.3/58

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -78.728+/-110.844 χ^2/NDF:21.7/12

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -59.525+/-115.169 χ^2/NDF:16.8/10

Left: -69.494+/-79.864 χ^2/NDF: 38.4/23

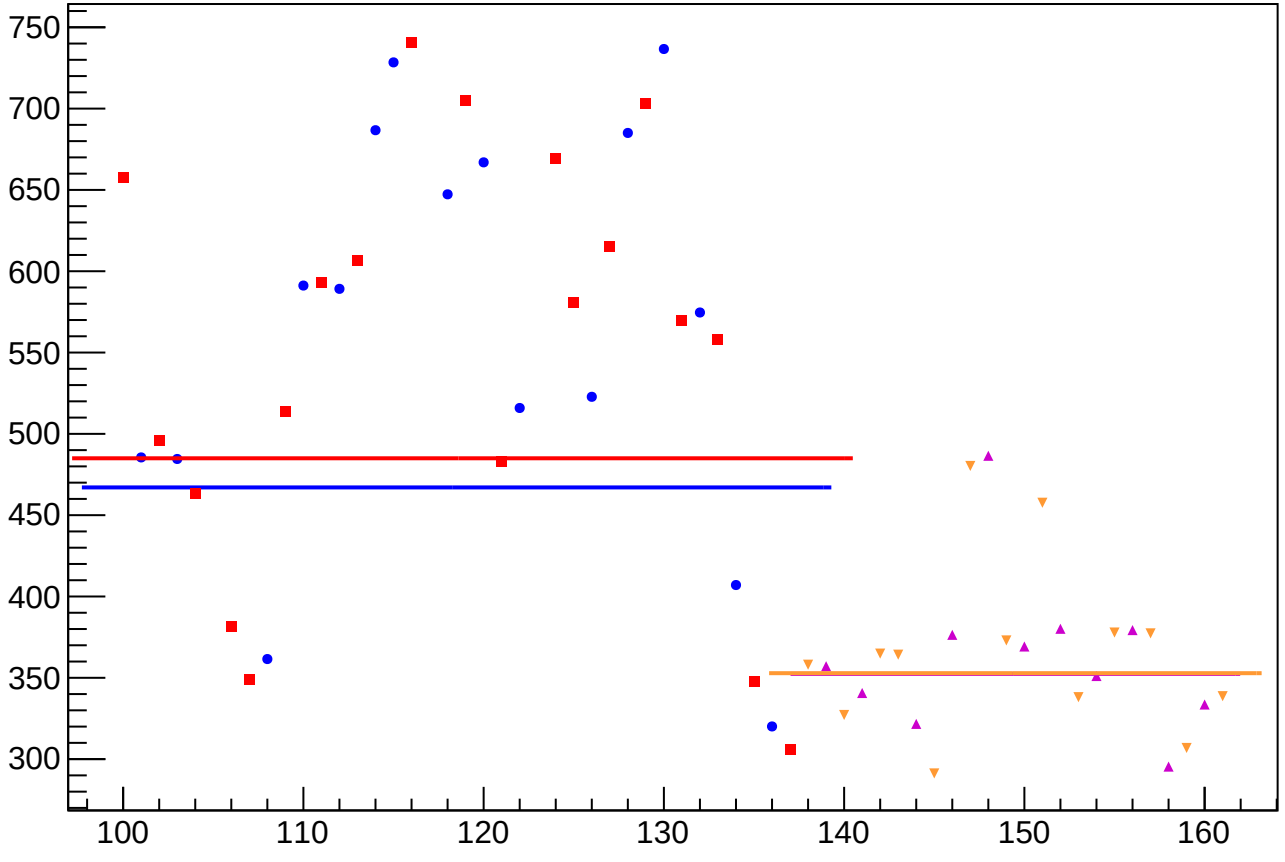
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -147.569+/-97.105 χ^2/NDF:34.0/26

Out: -57.764+/-94.820 χ^2/NDF:36.9/31

All: -101.598+/-67.841 χ^2/NDF: 71.3/58

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 352.844+/-0.078 χ^2/NDF:350517.1/12

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 352.398+/-0.081 χ^2/NDF:243471.6/10

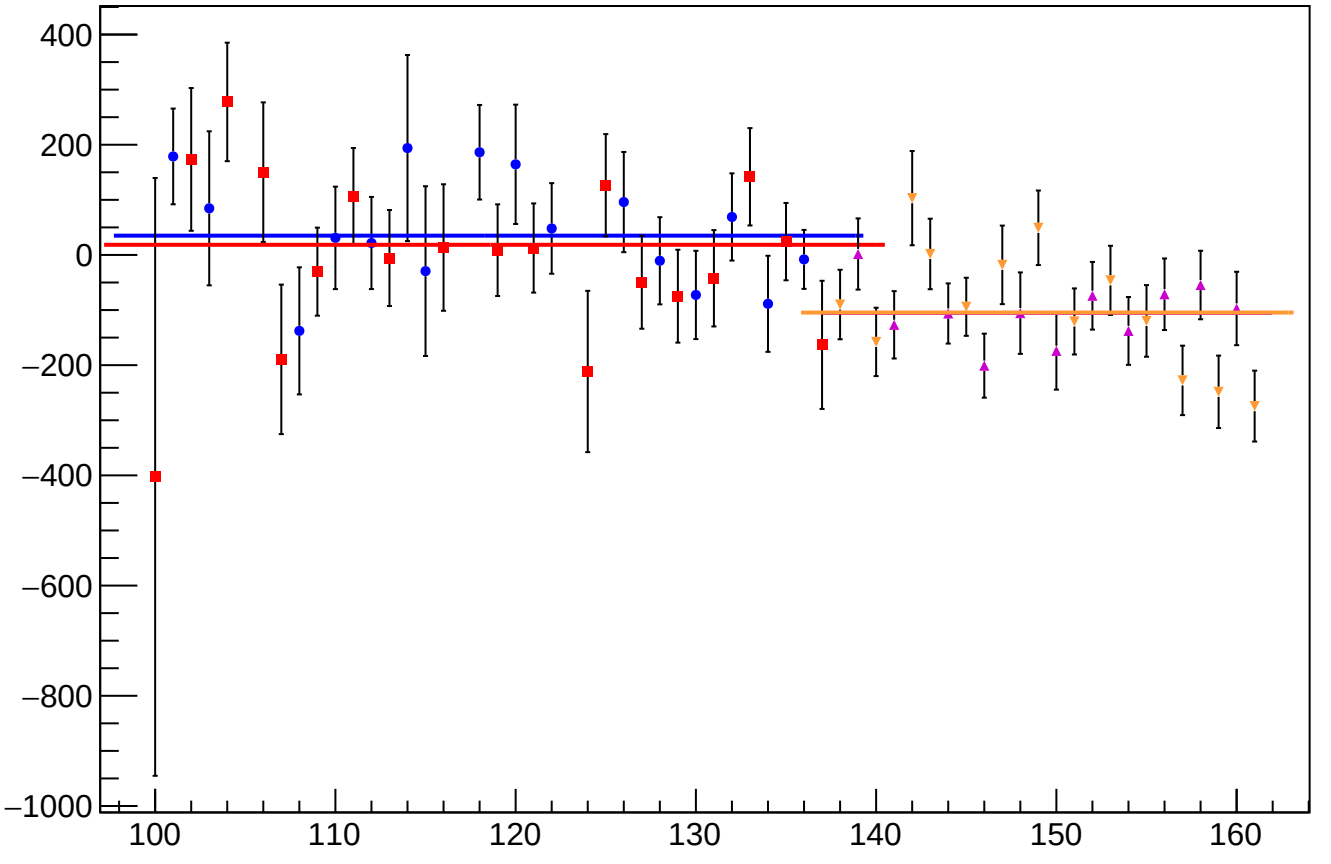
Left: 352.629+/-0.056 χ^2/NDF: 594004.3/23

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 385.549+/-0.069 χ^2/NDF:1846946.1/26

Out: 388.286+/-0.067 χ^2/NDF:1986974.2/31

All: 386.950+/-0.048 χ^2/NDF: 3834733.9/58



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.525+/-17.783 χ^2/NDF:32.7/12

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.298+/-18.987 χ^2/NDF:8.0/10

Left: -104.886+/-12.980 χ^2/NDF: 40.7/23

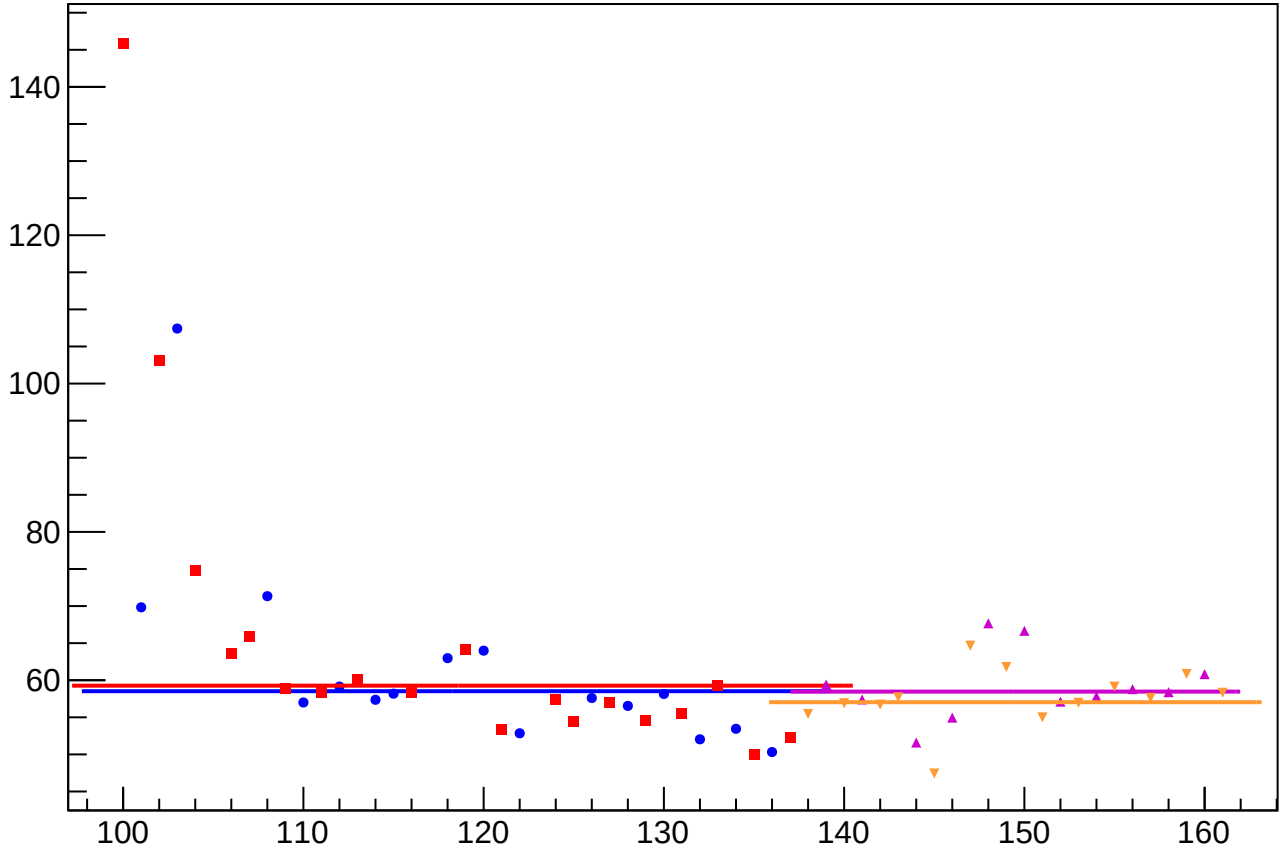
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.816+/-14.411 χ^2/NDF:47.4/26

Out: -56.315+/-13.865 χ^2/NDF:74.8/31

All: -51.268+/-9.992 χ^2/NDF: 122.4/58

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

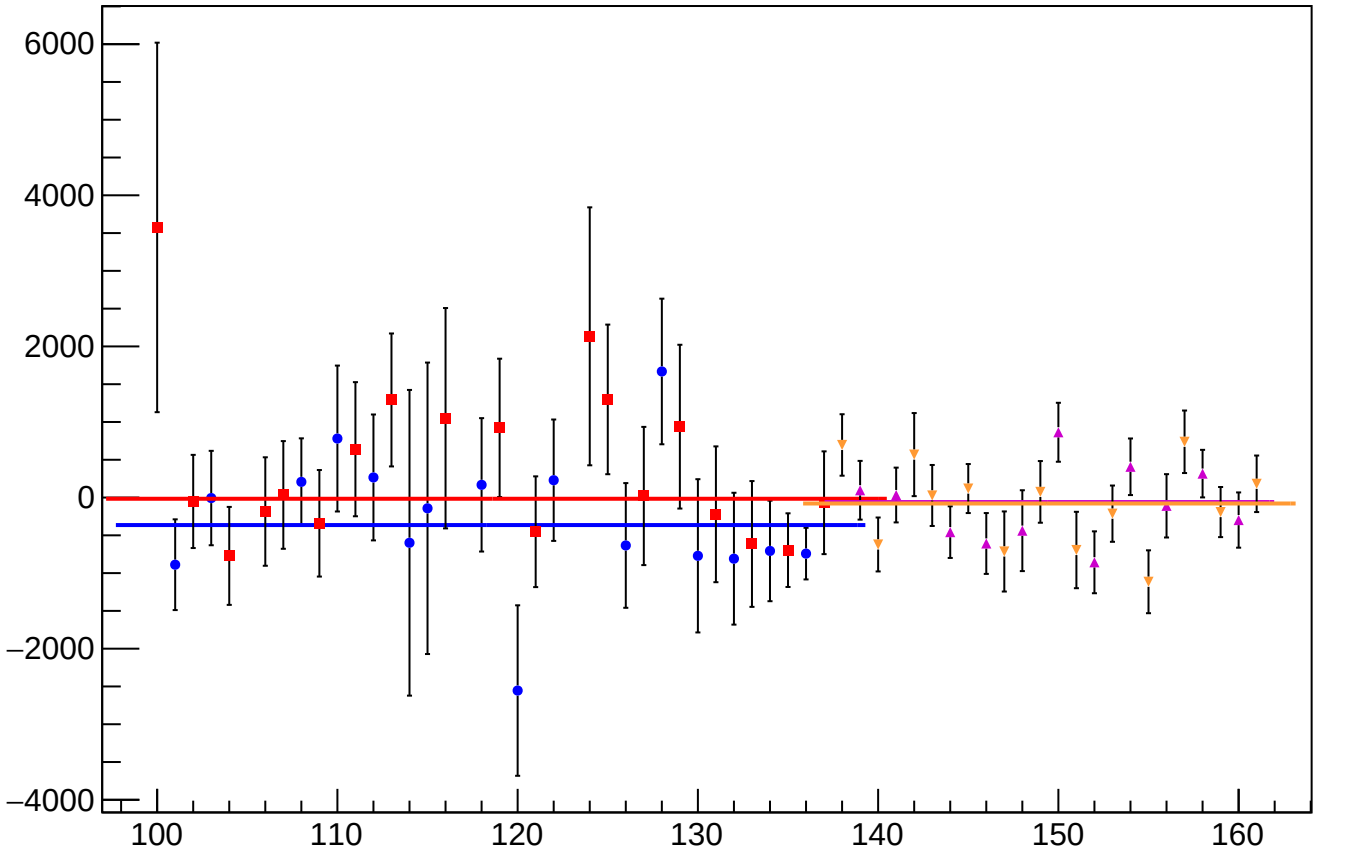
Left: 57.707+/-0.009 χ^2/NDF: 220694.6/23

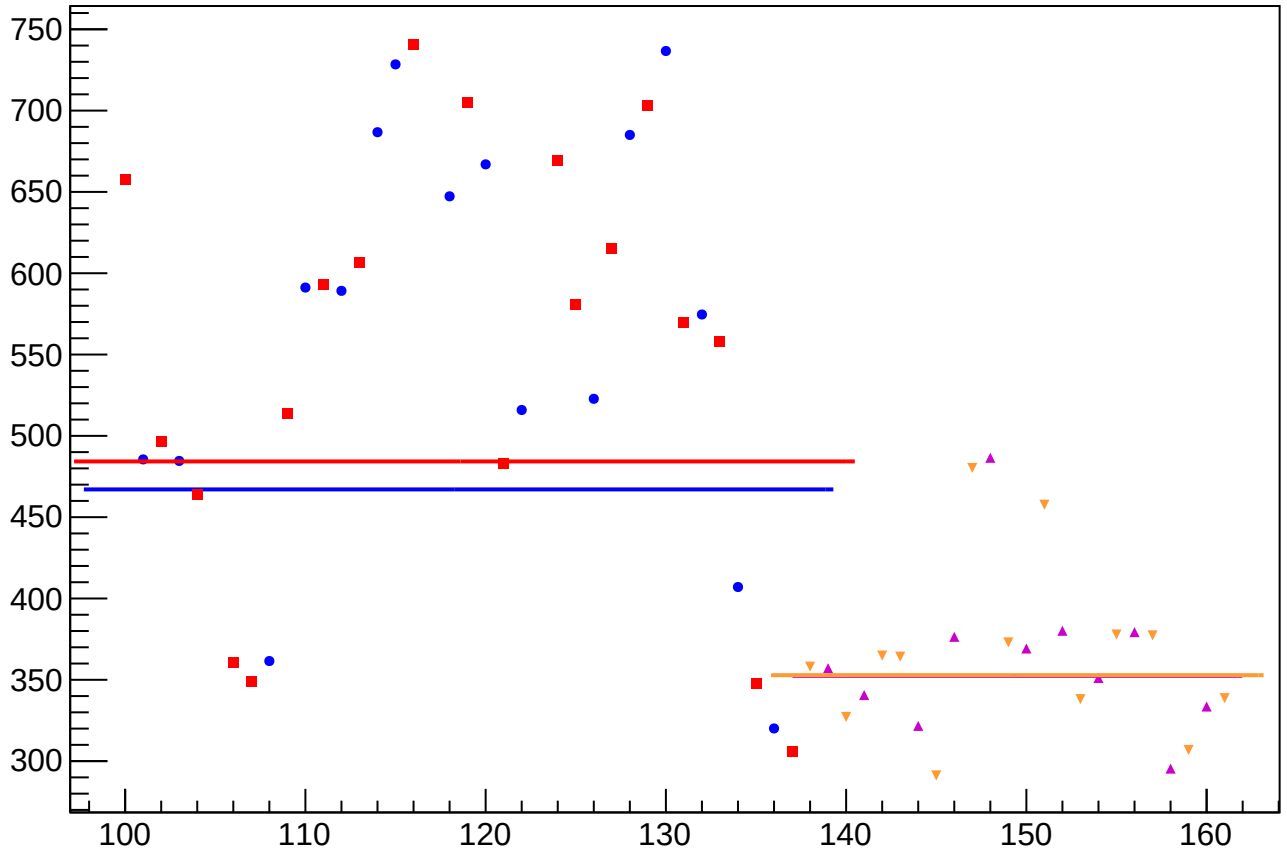
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.492+/-0.010 χ^2/NDF:494533.7/26

Out: 57.914+/-0.010 χ^2/NDF:530819.9/31

All: 58.191+/-0.007 χ^2/NDF: 1027024.1/58


asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -364.040+/-180.602 χ²/NDF: 15.2/15
Left Out: -78.727+/-110.844 χ²/NDF:21.7/12
Right Out: -16.087+/-183.650 χ²/NDF: 15.1/18
Left In: -59.524+/-115.169 χ²/NDF:16.8/10
Left: -69.493+/-79.864 χ²/NDF: 38.4/23
Right: -192.975+/-128.769 χ²/NDF: 32.2/34
In: -147.558+/-97.105 χ²/NDF:34.0/26
Out: -62.001+/-94.898 χ²/NDF:36.9/31
All: -103.796+/-67.870 χ²/NDF: 71.3/58



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 352.844+/-0.078 χ^2/NDF:350517.9/12

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

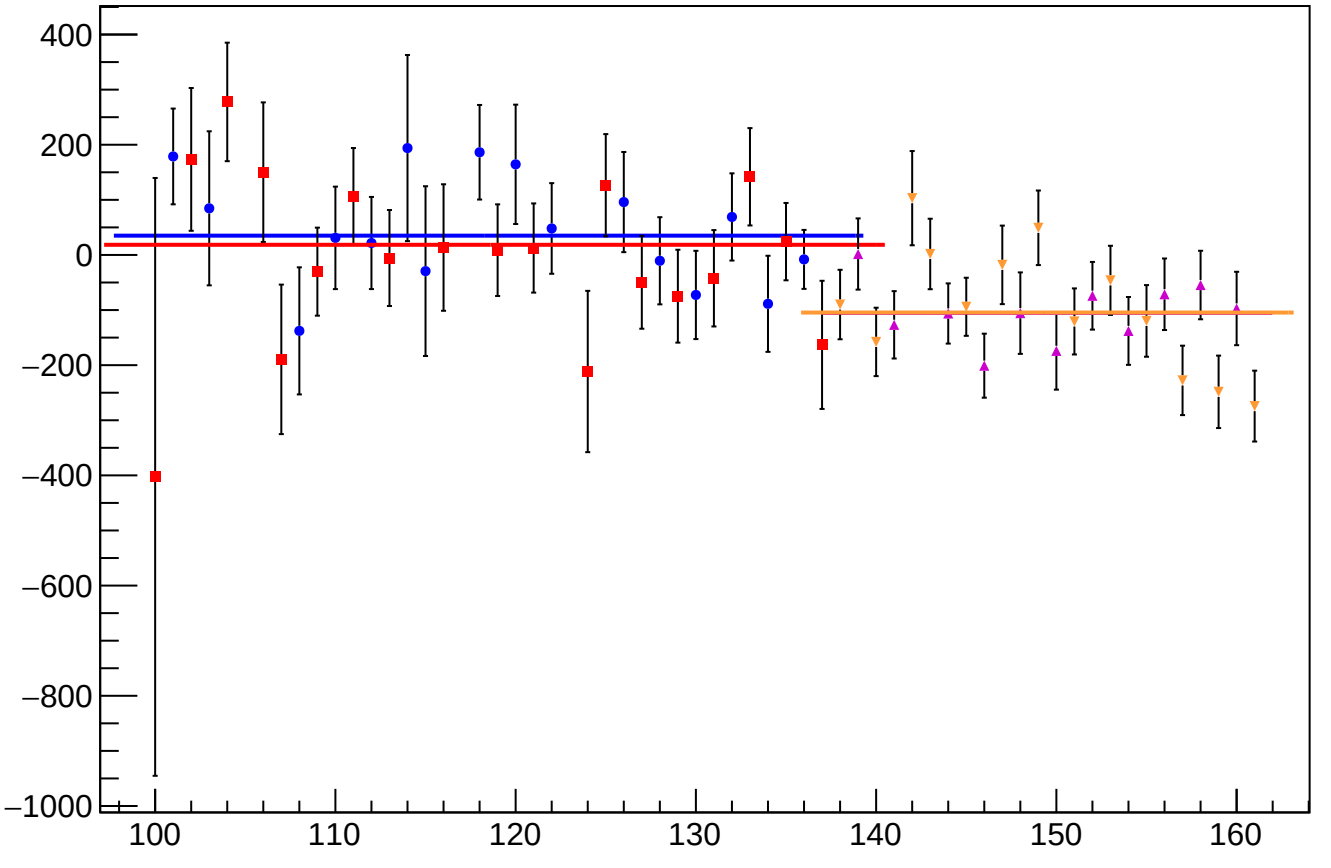
Left: 352.629+/-0.056 χ^2/NDF: 594005.4/23

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 385.549+/-0.069 χ^2/NDF:1846968.9/26

Out: 387.937+/-0.067 χ^2/NDF:1990124.9/31

All: 386.771+/-0.048 χ^2/NDF: 3837712.7/58



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.525+/-17.783 χ^2/NDF:32.7/12

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.298+/-18.987 χ^2/NDF:8.0/10

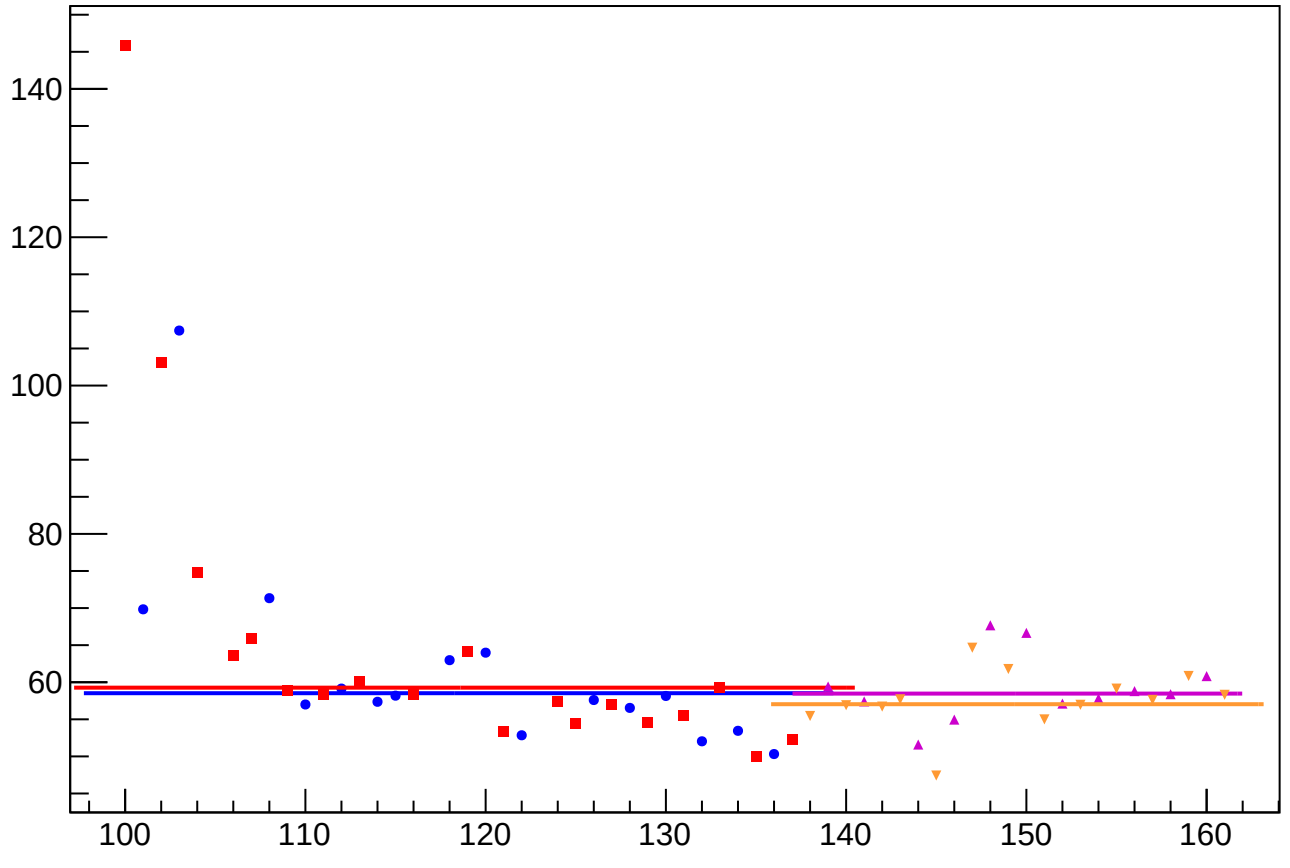
Left: -104.886+/-12.980 χ^2/NDF: 40.7/23

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.816+/-14.411 χ^2/NDF:47.4/26

Out: -56.315+/-13.865 χ^2/NDF:74.8/31

All: -51.268+/-9.992 χ^2/NDF: 122.4/58



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

Left: 57.707+/-0.009 χ^2/NDF: 220694.6/23

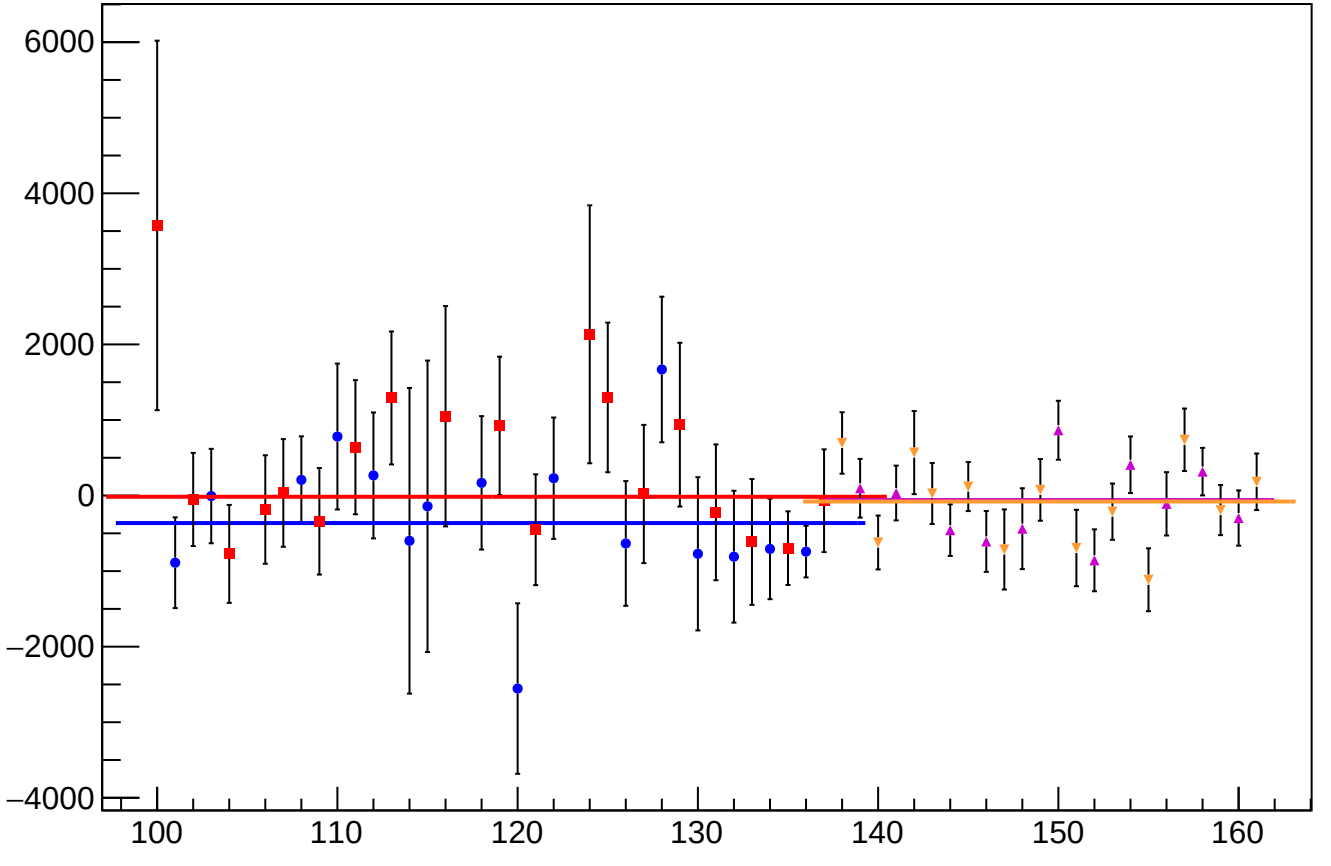
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.492+/-0.010 χ^2/NDF:494533.7/26

Out: 57.914+/-0.010 χ^2/NDF:530819.9/31

All: 58.191+/-0.007 χ^2/NDF: 1027024.1/58

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: -78.727+/-110.844 χ^2/NDF:21.7/12

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -59.524+/-115.169 χ^2/NDF:16.8/10

Left: -69.493+/-79.864 χ^2/NDF: 38.4/23

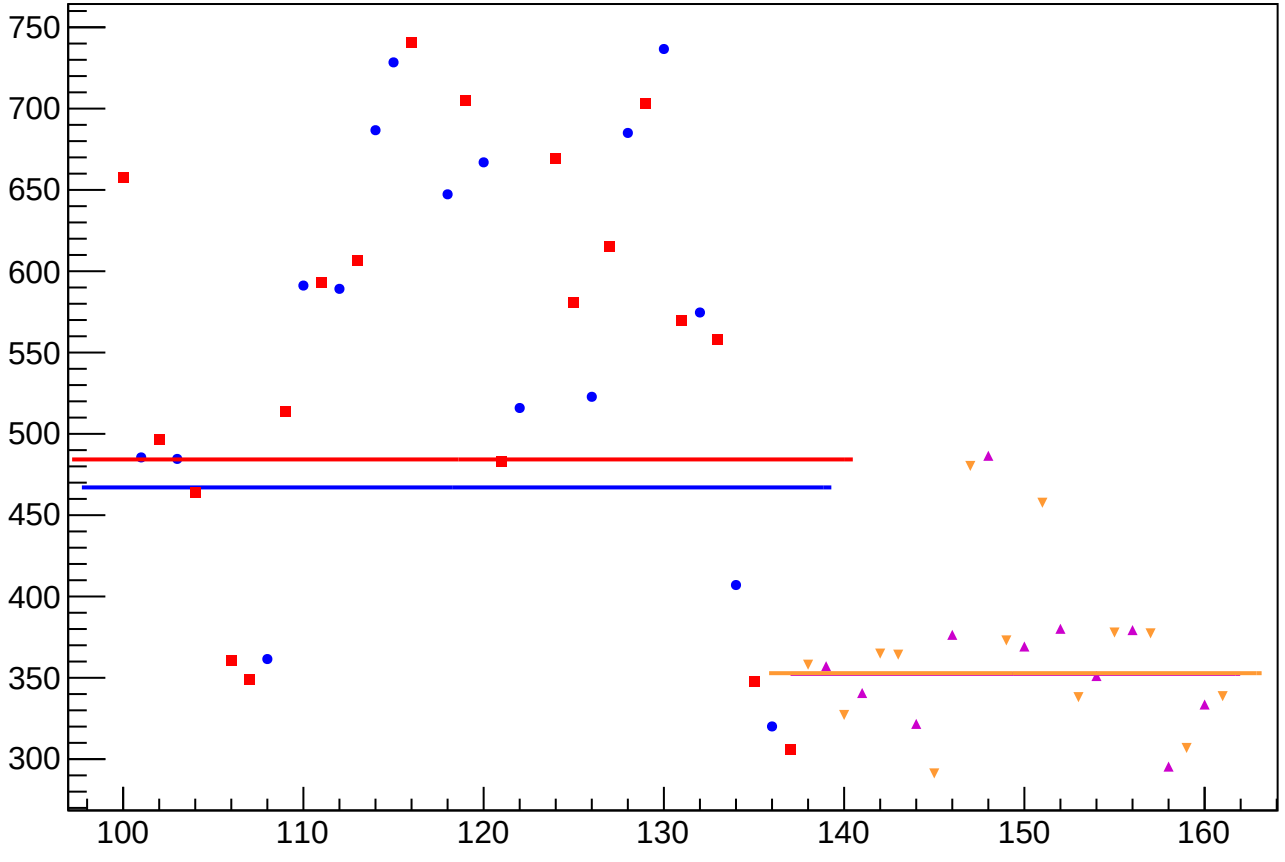
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -147.558+/-97.105 χ^2/NDF:34.0/26

Out: -62.001+/-94.898 χ^2/NDF:36.9/31

All: -103.796+/-67.870 χ^2/NDF: 71.3/58

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: 352.844+/-0.078 χ^2/NDF:350517.9/12

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

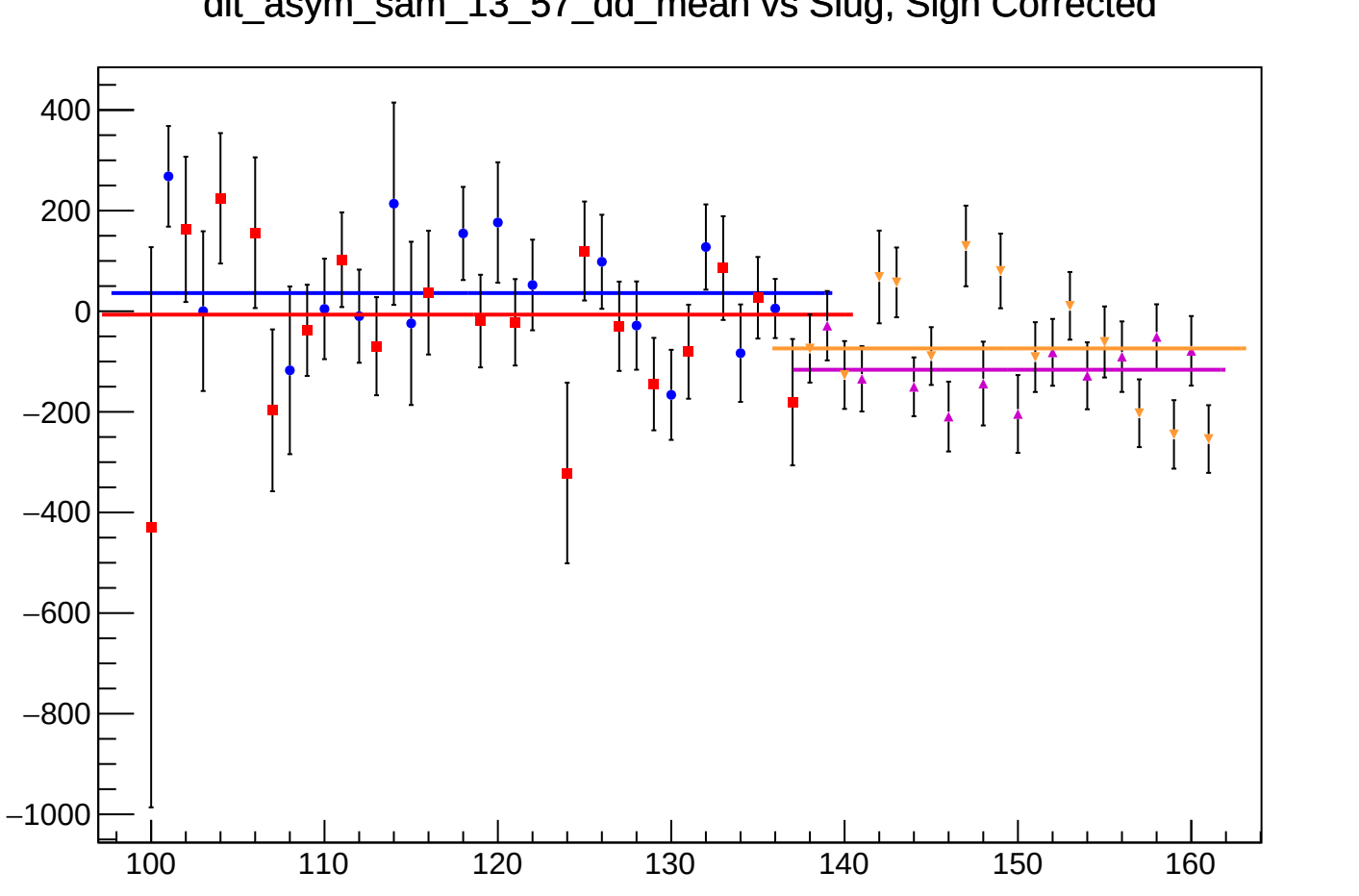
Left: 352.629+/-0.056 χ^2/NDF: 594005.4/23

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 385.549+/-0.069 χ^2/NDF:1846968.9/26

Out: 387.937+/-0.067 χ^2/NDF:1990124.9/31

All: 386.771+/-0.048 χ^2/NDF: 3837712.7/58



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.921+/-19.278 χ^2/NDF:36.2/12

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -116.297+/-20.574 χ^2/NDF:7.0/10

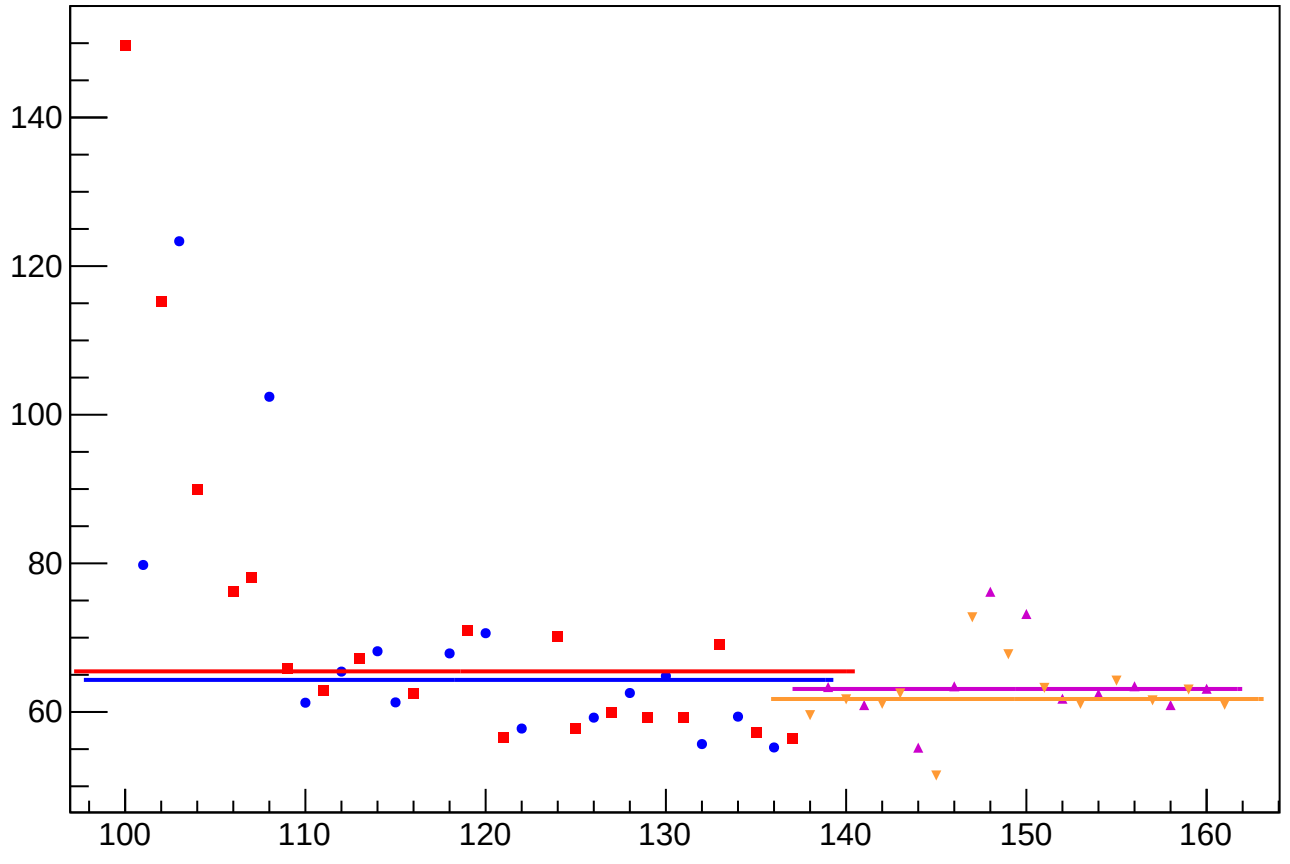
Left: -93.732+/-14.067 χ^2/NDF: 45.5/23

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.162+/-15.748 χ^2/NDF:49.4/26

Out: -48.314+/-15.165 χ^2/NDF:61.2/31

All: -50.646+/-10.924 χ^2/NDF: 110.6/58



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.747+/-0.014 χ^2/NDF:121962.8/12

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.097+/-0.015 χ^2/NDF:125412.8/10

Left: 62.379+/-0.010 χ^2/NDF: 251960.2/23

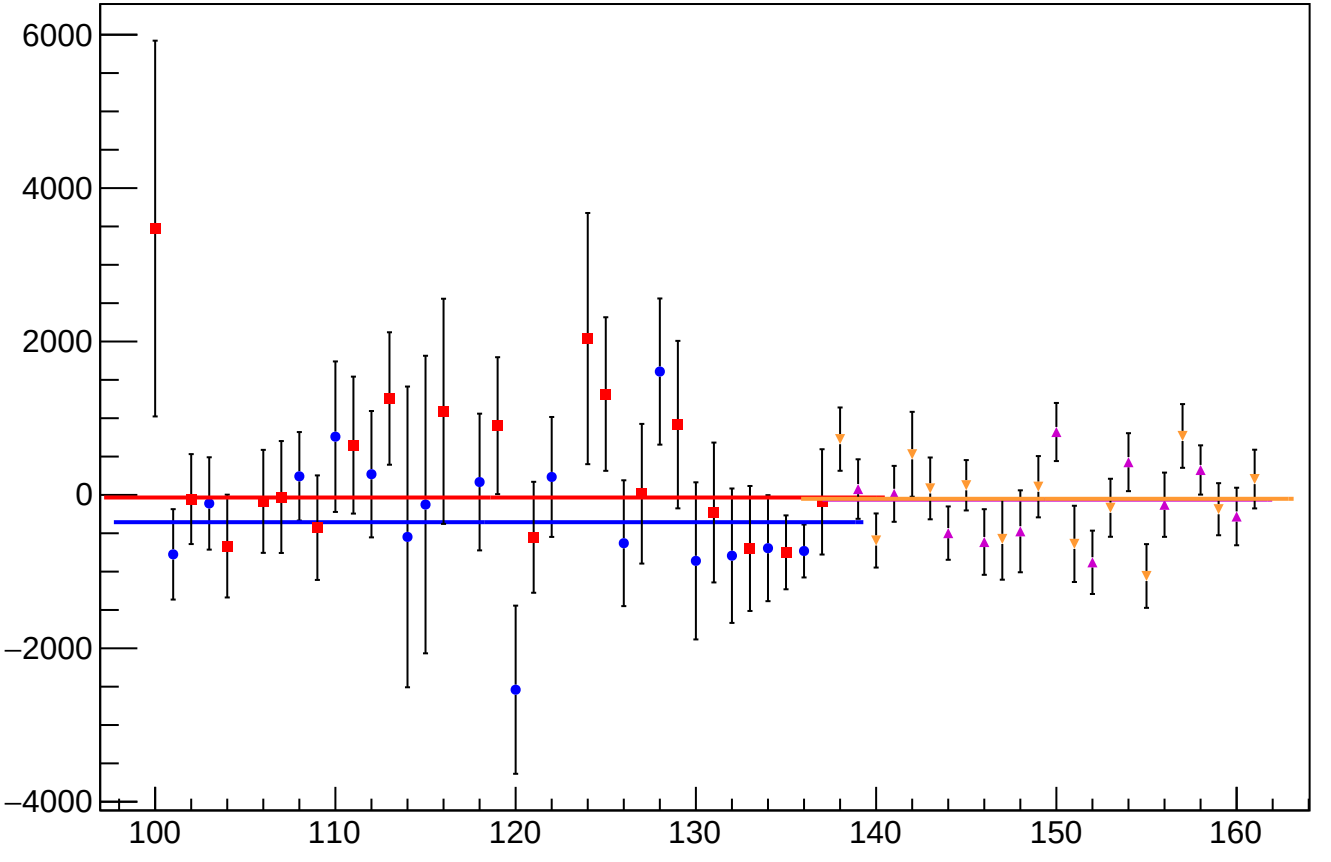
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.602+/-0.011 χ^2/NDF:660385.0/26

Out: 63.165+/-0.011 χ^2/NDF:632687.3/31

All: 63.375+/-0.008 χ^2/NDF: 1293872.9/58

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -50.628+/-111.425 χ^2/NDF:20.4/12

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -61.656+/-116.458 χ^2/NDF:16.8/10

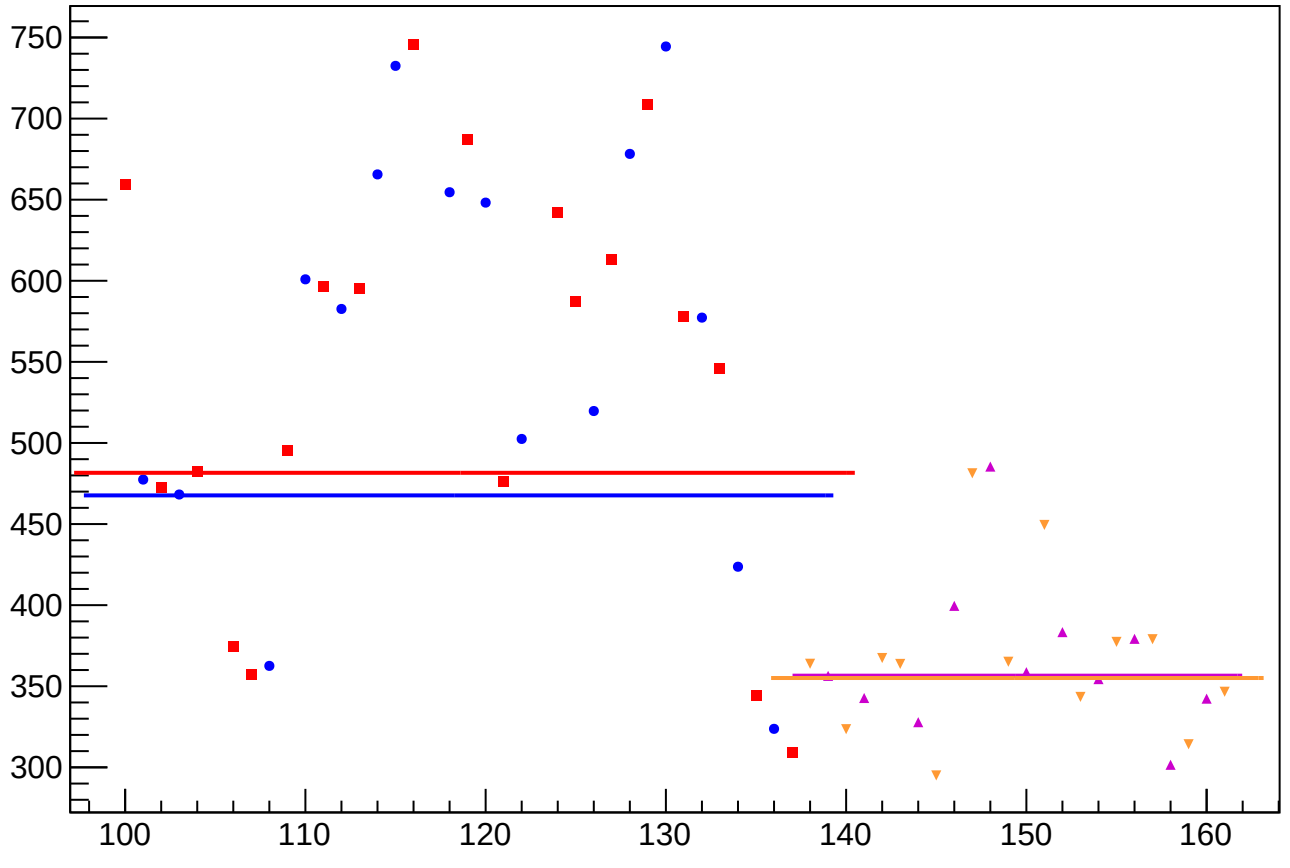
Left: -55.898+/-80.510 χ^2/NDF: 37.3/23

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -148.144+/-97.831 χ^2/NDF:33.5/26

Out: -46.020+/-94.967 χ^2/NDF:35.8/31

All: -95.565+/-68.142 χ^2/NDF: 69.9/58



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 355.081+/-0.079 χ^2/NDF:316171.1/12

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 356.522+/-0.082 χ^2/NDF:229002.0/10

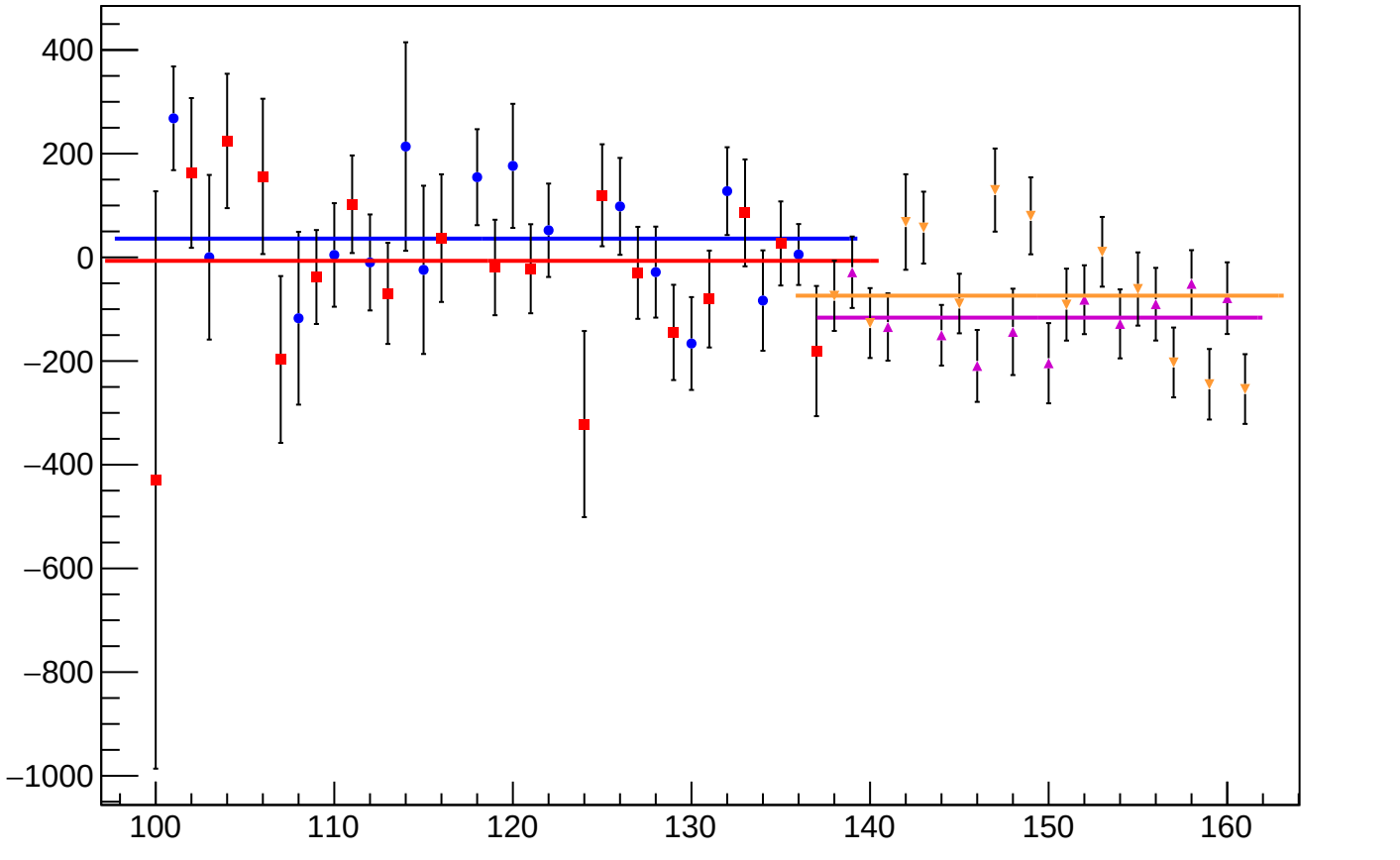
Left: 355.770+/-0.057 χ^2/NDF: 545332.9/23

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 389.235+/-0.069 χ^2/NDF:1751145.0/26

Out: 389.696+/-0.067 χ^2/NDF:1875912.1/31

All: 389.472+/-0.048 χ^2/NDF: 3627080.0/58



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.920+/-19.278 χ^2/NDF:36.2/12

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -116.297+/-20.574 χ^2/NDF:7.0/10

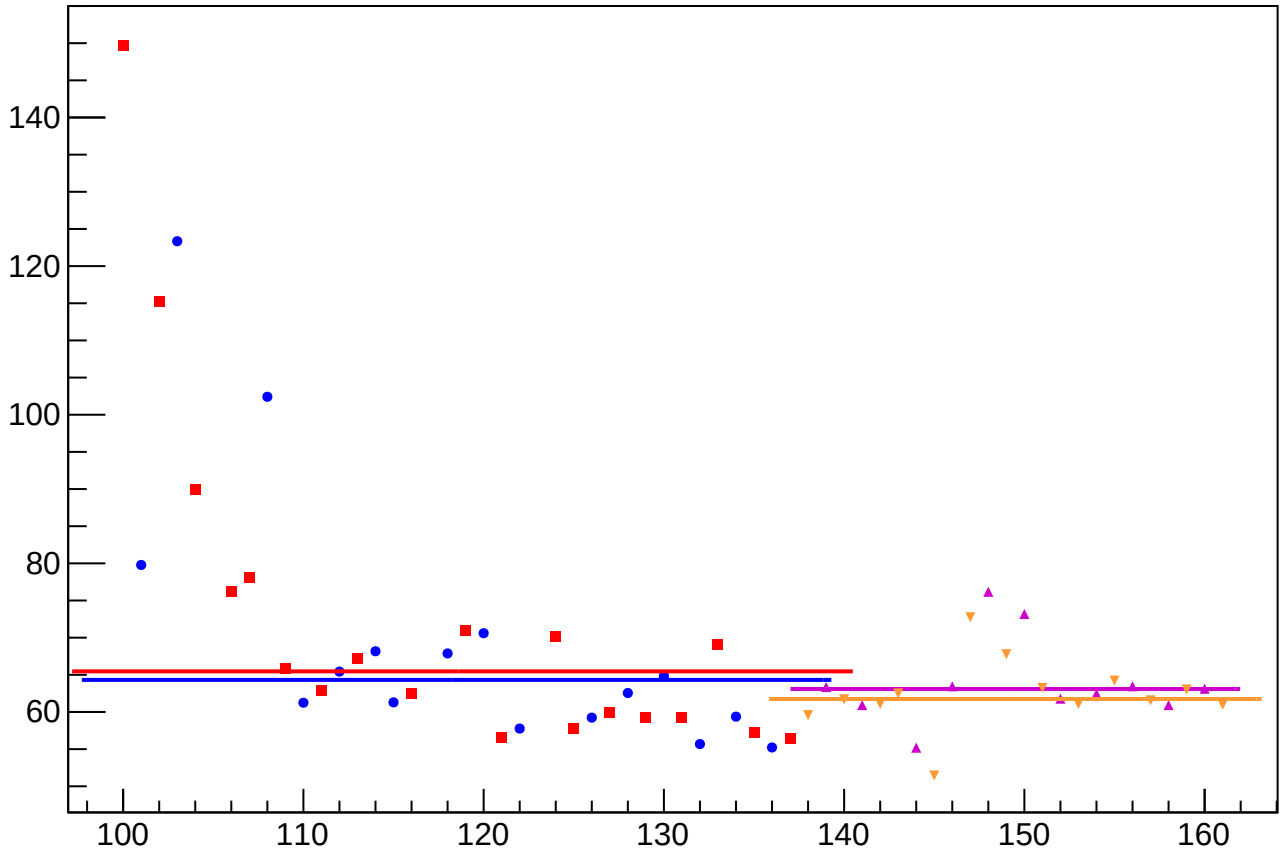
Left: -93.731+/-14.067 χ^2/NDF: 45.5/23

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.161+/-15.748 χ^2/NDF:49.4/26

Out: -48.314+/-15.165 χ^2/NDF:61.2/31

All: -50.646+/-10.924 χ^2/NDF: 110.6/58



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.748+/-0.014 χ^2/NDF:121966.1/12

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.097+/-0.015 χ^2/NDF:125415.2/10

Left: 62.379+/-0.010 χ^2/NDF: 251966.1/23

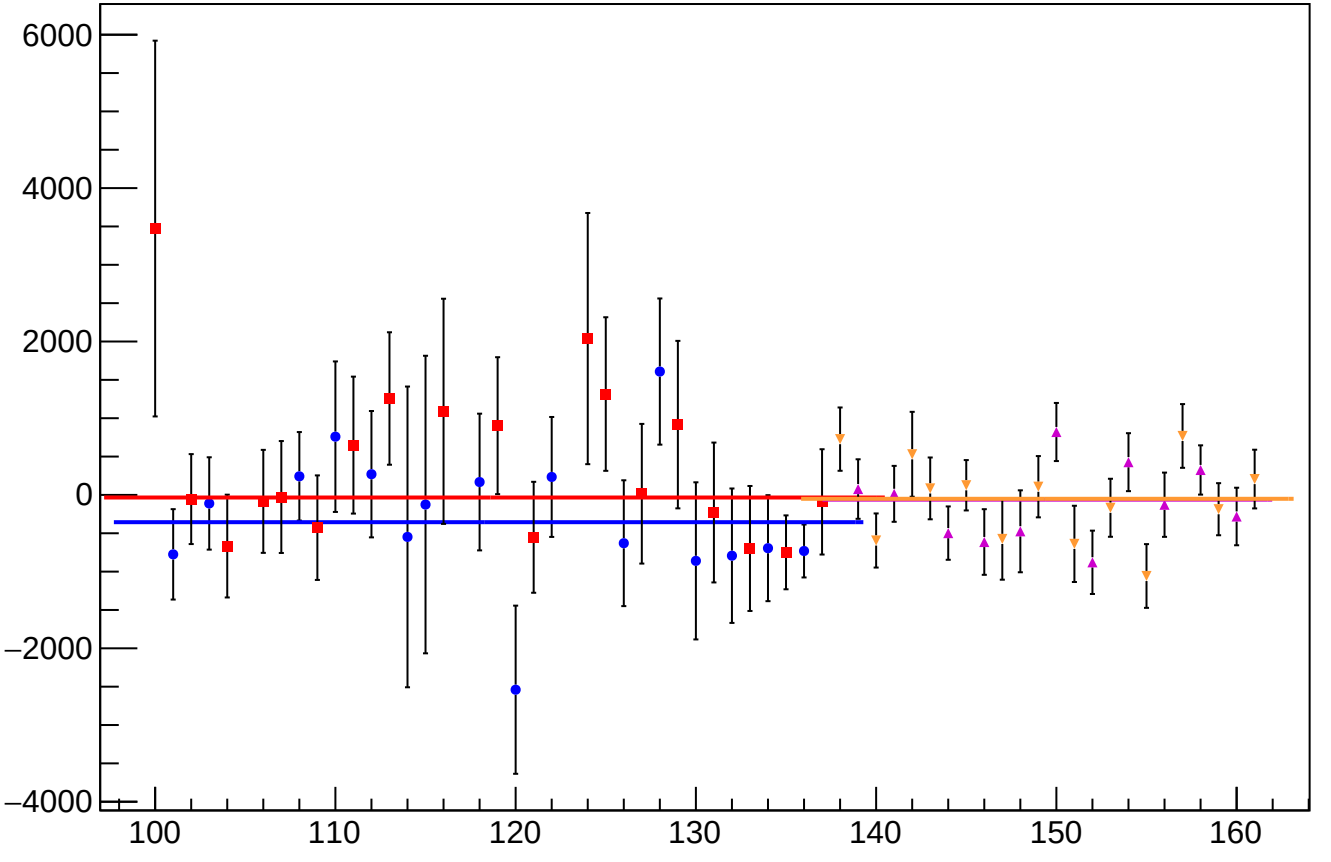
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.602+/-0.011 χ^2/NDF:660395.0/26

Out: 63.165+/-0.011 χ^2/NDF:632694.1/31

All: 63.375+/-0.008 χ^2/NDF: 1293889.7/58

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: -50.627+/-111.425 χ^2/NDF:20.4/12

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -61.656+/-116.458 χ^2/NDF:16.8/10

Left: -55.898+/-80.510 χ^2/NDF: 37.3/23

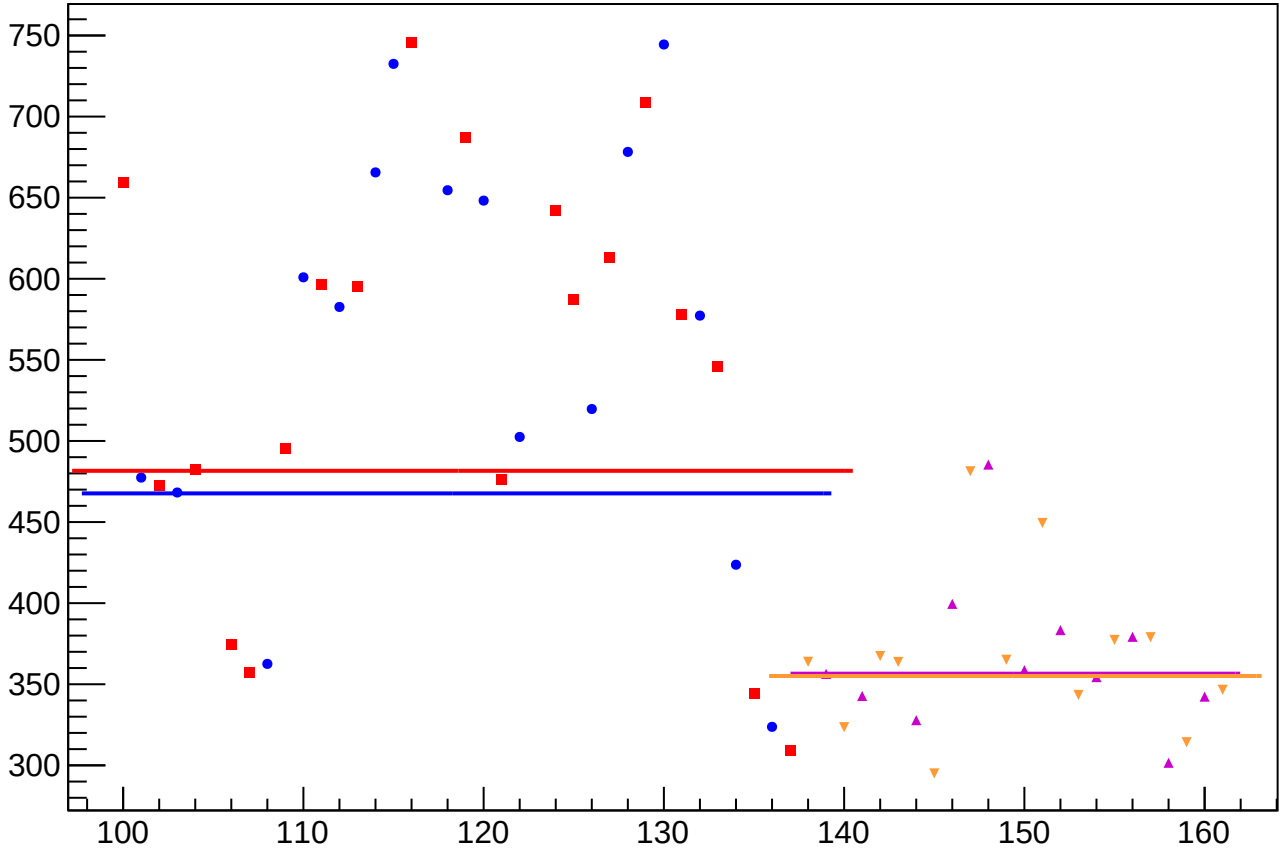
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -148.144+/-97.831 χ^2/NDF:33.5/26

Out: -46.020+/-94.967 χ^2/NDF:35.8/31

All: -95.565+/-68.142 χ^2/NDF: 69.9/58

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 355.081+/-0.079 χ^2/NDF:316171.5/12

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 356.522+/-0.082 χ^2/NDF:229003.0/10

Left: 355.770+/-0.057 χ^2/NDF: 545334.4/23

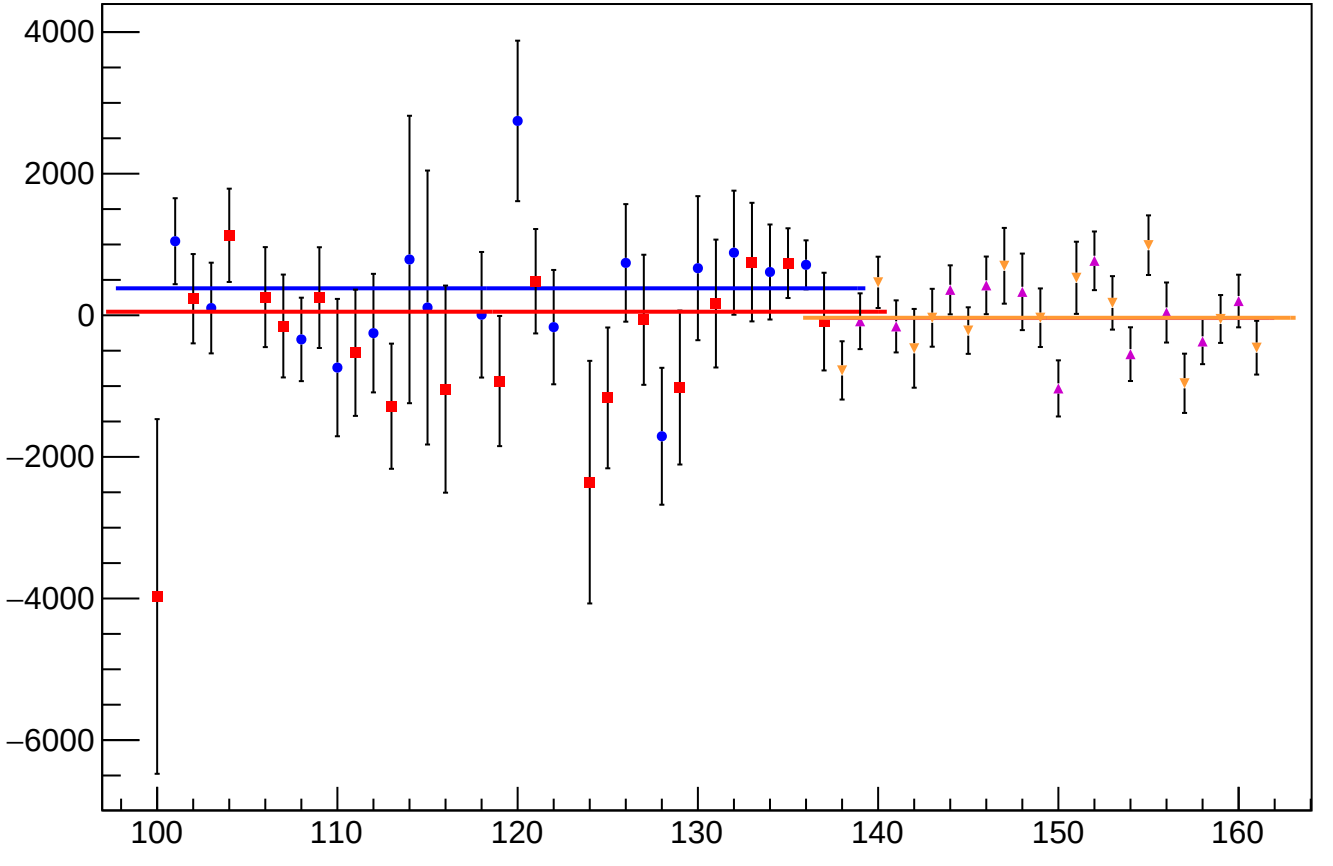
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 389.235+/-0.069 χ^2/NDF:1751141.4/26

Out: 389.695+/-0.067 χ^2/NDF:1875904.5/31

All: 389.472+/-0.048 χ^2/NDF: 3627068.7/58

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -35.166+/-112.356 χ^2/NDF:21.5/12

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -38.559+/-116.808 χ^2/NDF:16.6/10

Left: -36.797+/-80.976 χ^2/NDF: 38.2/23

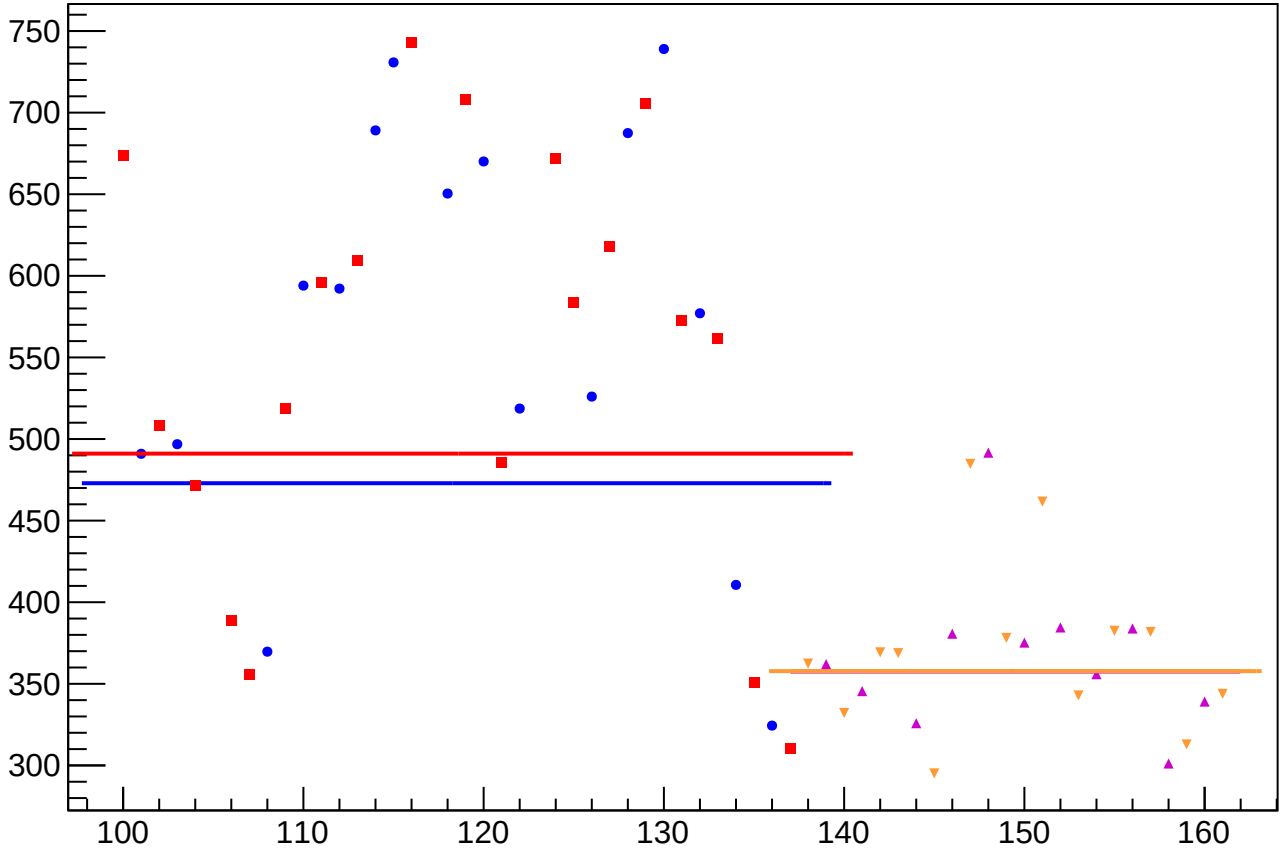
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 83.246+/-98.407 χ^2/NDF:36.5/26

Out: -12.159+/-96.069 χ^2/NDF:39.2/31

All: 34.397+/-68.743 χ^2/NDF: 76.2/58

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 357.782+/-0.079 χ^2/NDF:340504.9/12

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 357.527+/-0.083 χ^2/NDF:235636.7/10

Left: 357.659+/-0.057 χ^2/NDF: 576146.5/23

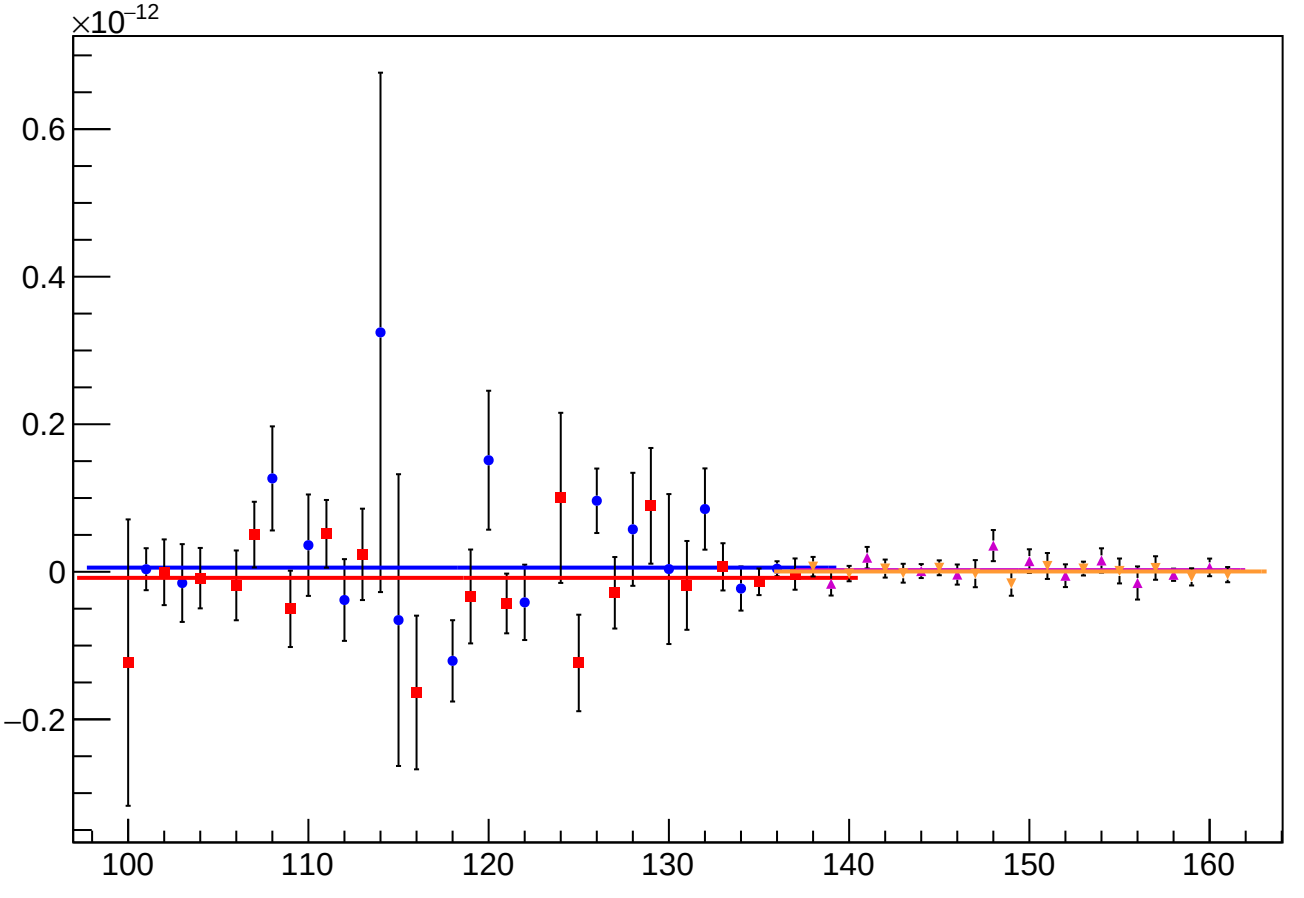
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 391.022+/-0.070 χ^2/NDF:1802490.7/26

Out: 393.621+/-0.068 χ^2/NDF:1944780.6/31

All: 392.353+/-0.049 χ^2/NDF: 3747986.0/58

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/10

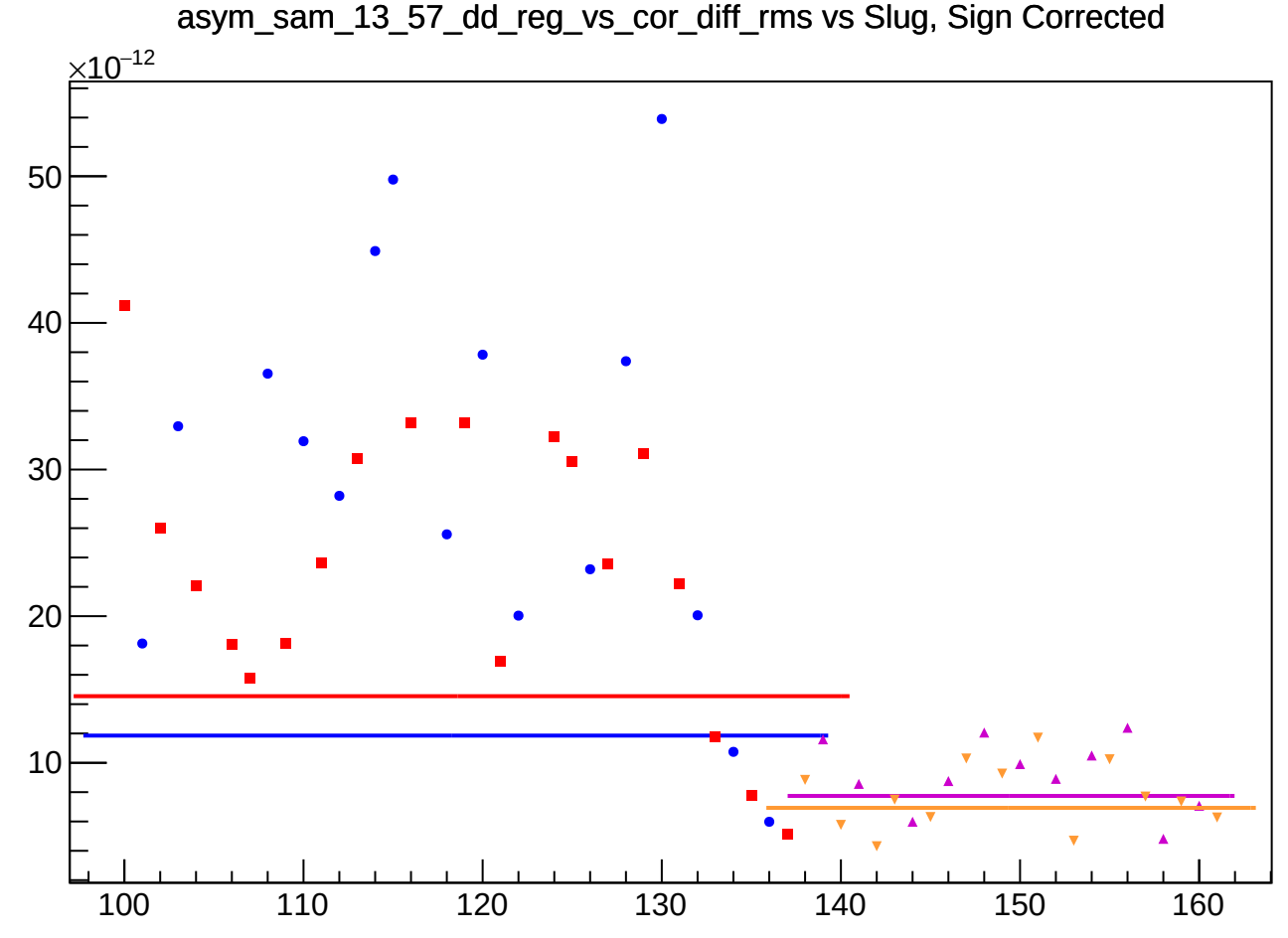
Left: 0.000+/-0.000 χ^2/NDF: 10.9/23

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:29.4/26

Out: -0.000+/-0.000 χ^2/NDF:17.4/31

All: 0.000+/-0.000 χ^2/NDF: 47.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:630944.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:731060.0/10

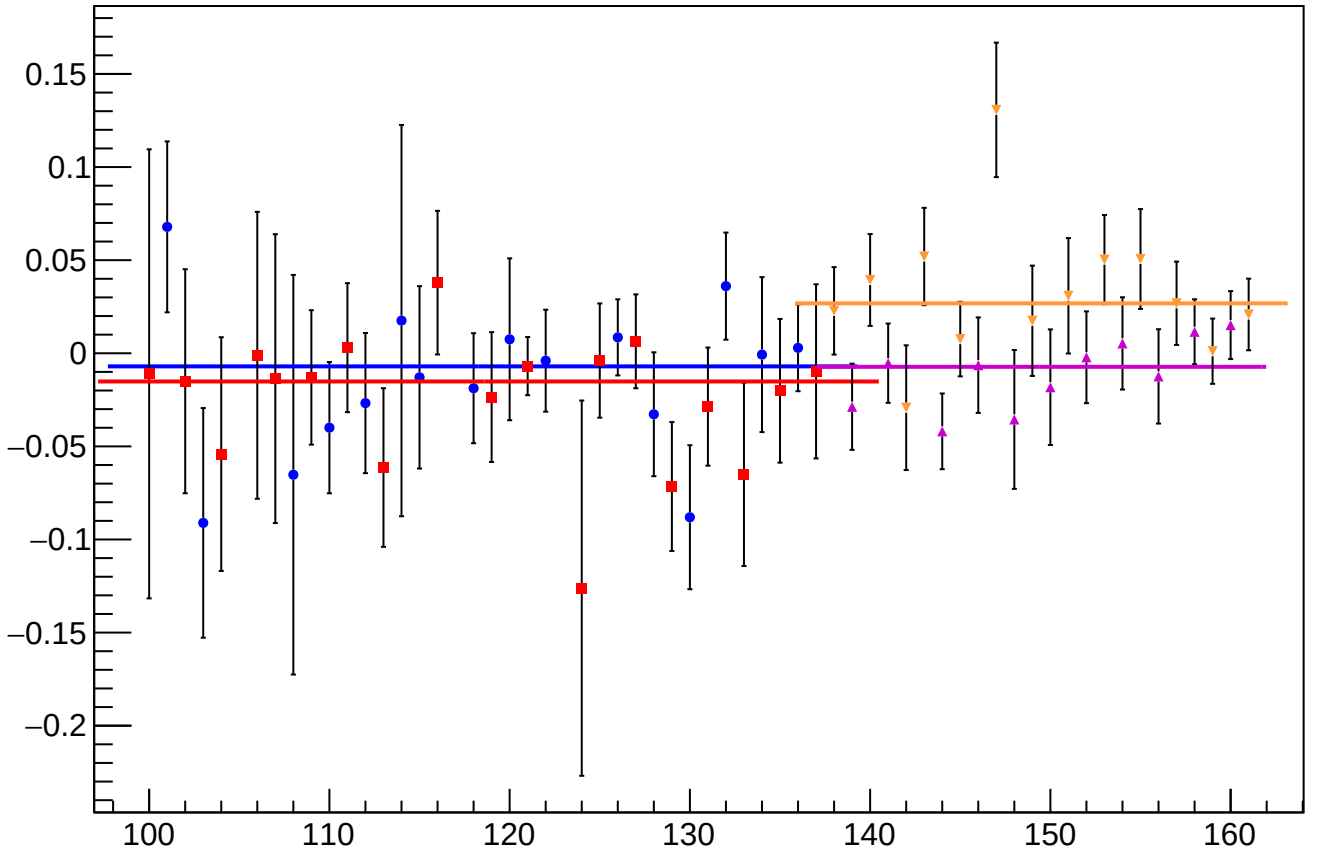
Left: 0.000+/-0.000 χ^2/NDF: 1409278.4/23

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3994107.1/26

Out: 0.000+/-0.000 χ^2/NDF:3579657.4/31

All: 0.000+/-0.000 χ^2/NDF: 7613790.6/58



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.007+/-0.007 χ^2/NDF:7.5/10

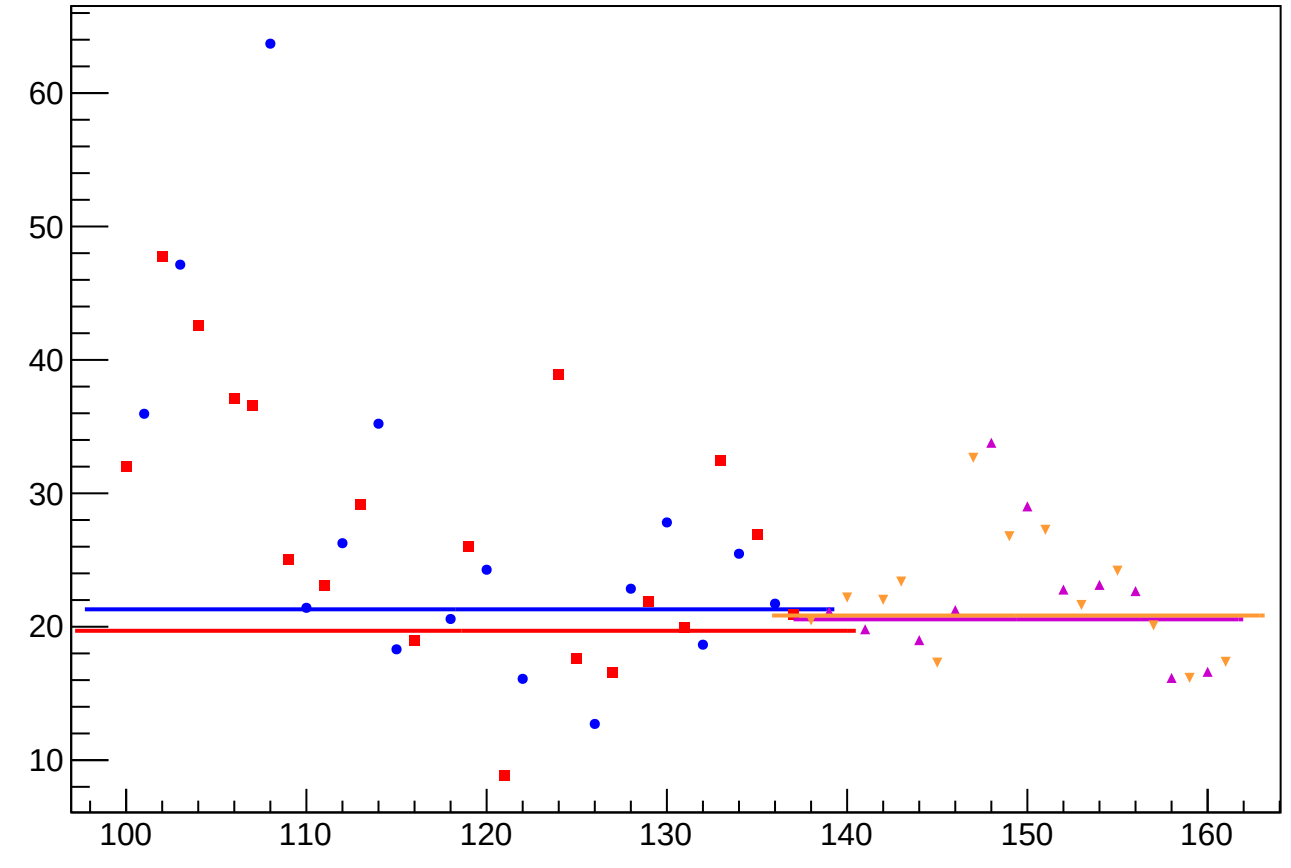
Left: 0.010+/-0.005 χ^2/NDF: 37.4/23

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.010+/-0.005 χ^2/NDF:43.1/31

All: 0.002+/-0.004 χ^2/NDF: 70.2/58



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.841+/-0.005 χ^2/NDF:714176.0/12

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.554+/-0.005 χ^2/NDF:689540.0/10

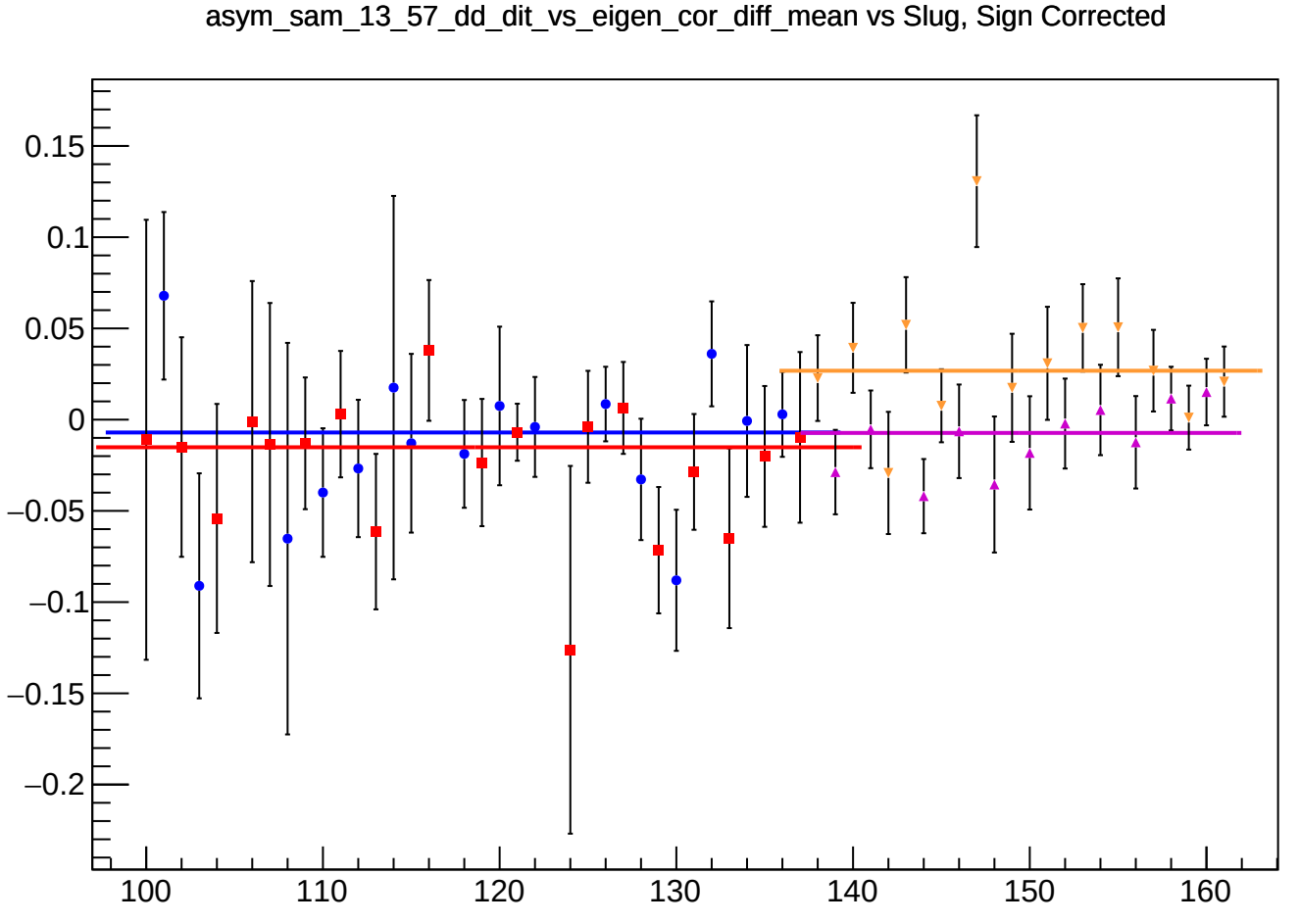
Left: 20.703+/-0.003 χ^2/NDF: 1405494.5/23

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

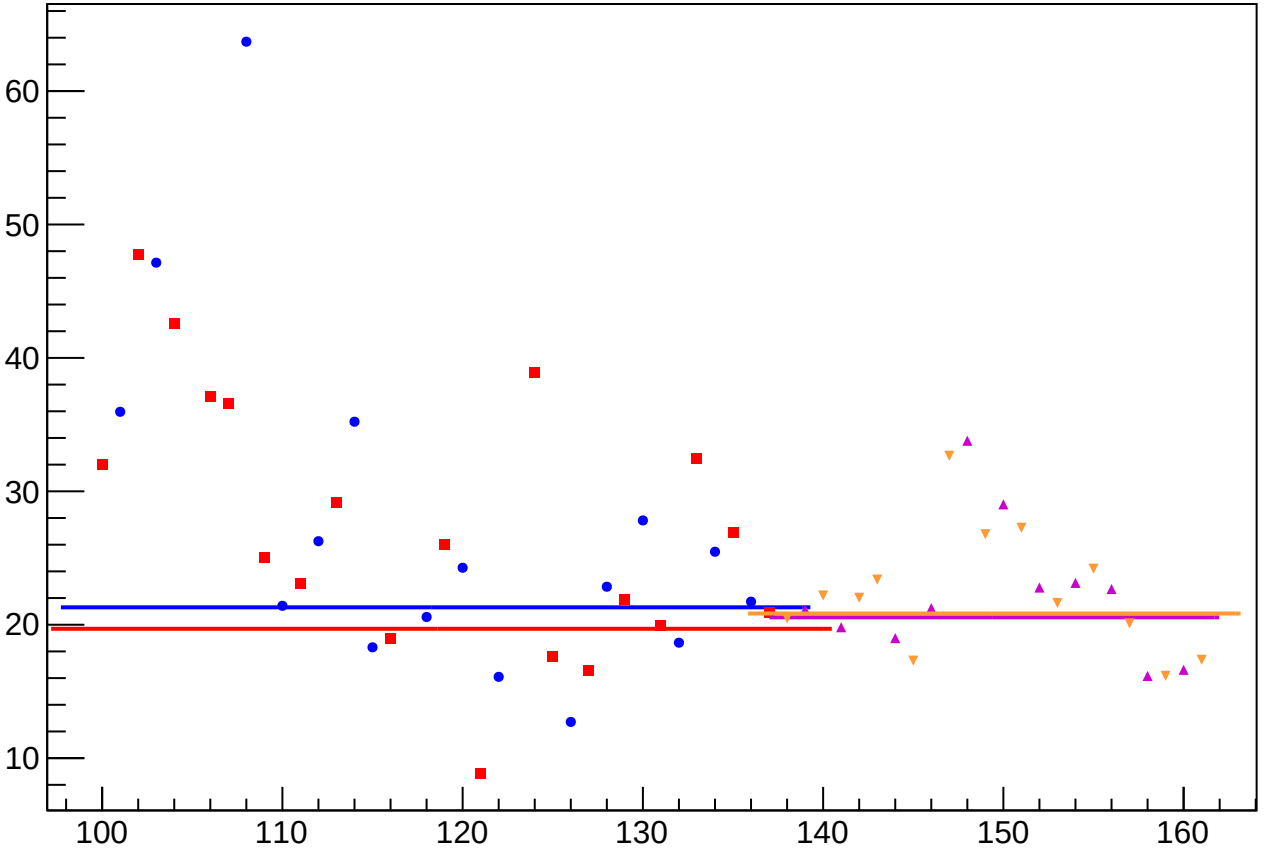
In: 20.848+/-0.004 χ^2/NDF:2178167.8/26

Out: 20.386+/-0.004 χ^2/NDF:3176459.2/31

All: 20.608+/-0.003 χ^2/NDF: 5362266.3/58


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.027+/-0.007 χ²/NDF:17.3/12
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.007+/-0.007 χ²/NDF:7.5/10
Left: 0.010+/-0.005 χ²/NDF: 37.4/23
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.007+/-0.005 χ²/NDF:21.8/26
Out: 0.010+/-0.005 χ²/NDF:43.1/31
All: 0.002+/-0.004 χ²/NDF: 70.2/58

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.841+/-0.005 χ^2/NDF:714176.0/12

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.554+/-0.005 χ^2/NDF:689540.0/10

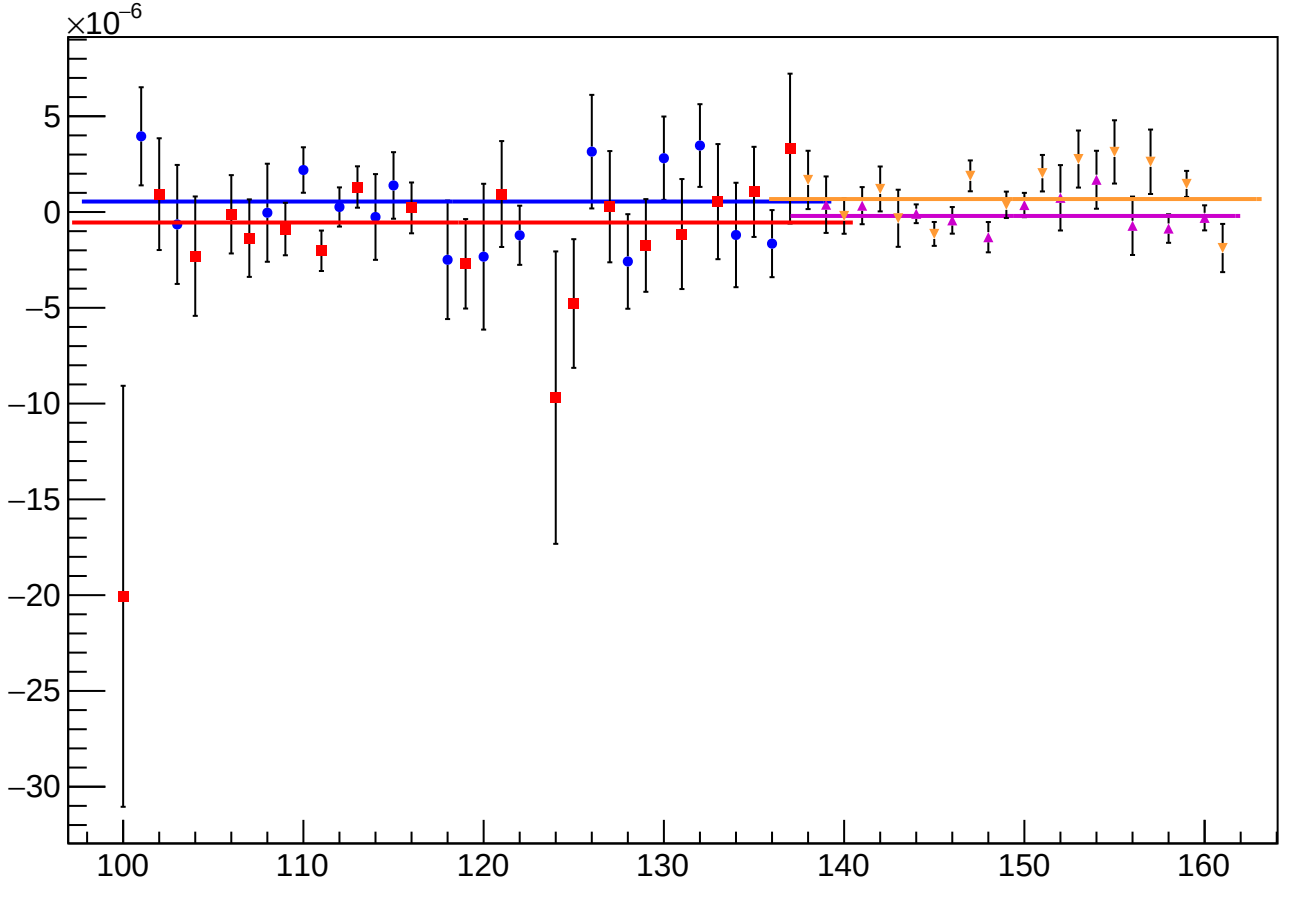
Left: 20.703+/-0.003 χ^2/NDF: 1405494.5/23

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.848+/-0.004 χ^2/NDF:2178167.8/26

Out: 20.386+/-0.004 χ^2/NDF:3176459.2/31

All: 20.608+/-0.003 χ^2/NDF: 5362266.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

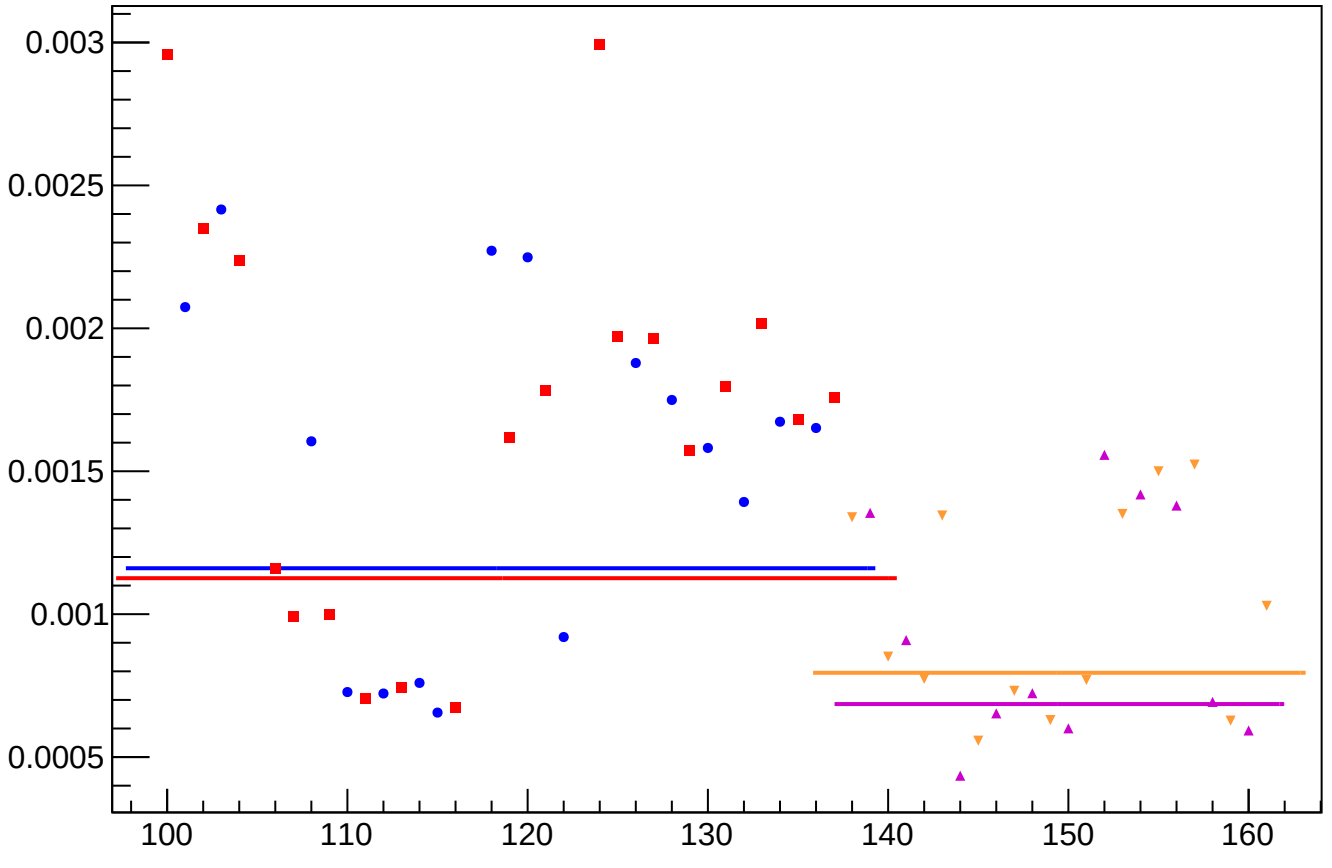
Left: 0.000+/-0.000 χ^2/NDF: 38.2/23

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:22.6/26

Out: 0.000+/-0.000 χ^2/NDF:46.6/31

All: 0.000+/-0.000 χ^2/NDF: 71.0/58



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2163397.6/12

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2534730.6/10

Left: 0.001+/-0.000 χ^2/NDF: 4883255.7/23

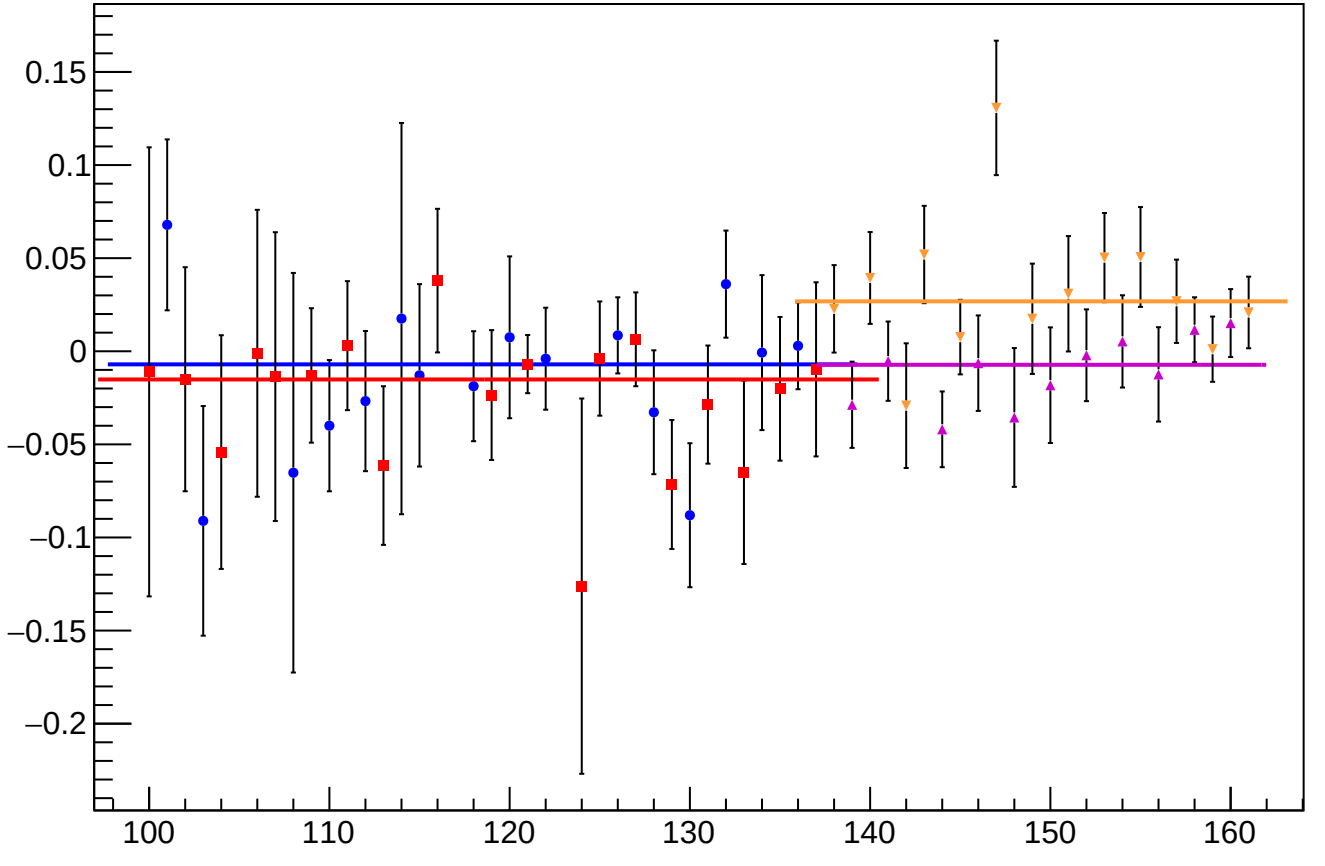
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:6640518.0/26

Out: 0.001+/-0.000 χ^2/NDF:5565405.2/31

All: 0.001+/-0.000 χ^2/NDF: 12394629.1/58

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.007+/-0.007 χ^2/NDF:7.5/10

Left: 0.010+/-0.005 χ^2/NDF: 37.4/23

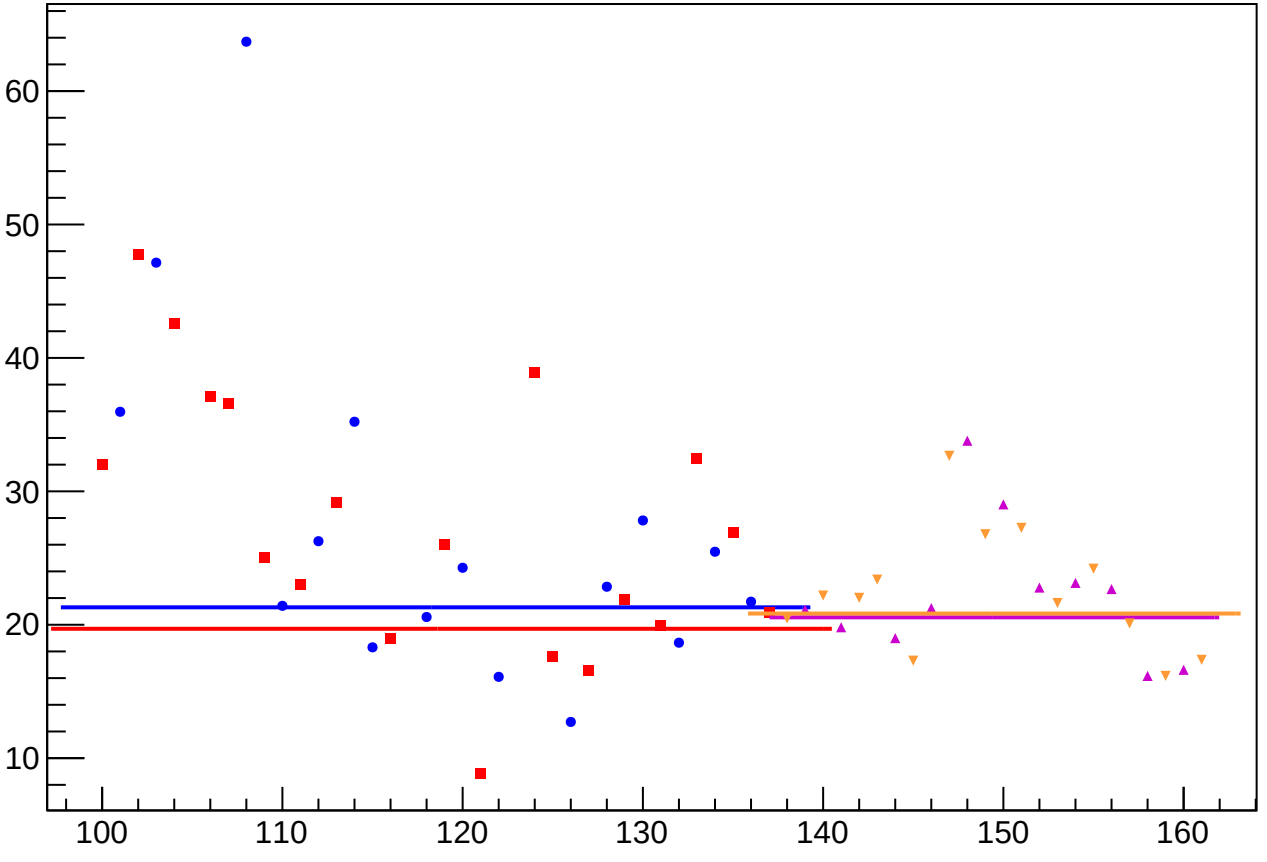
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.010+/-0.005 χ^2/NDF:43.1/31

All: 0.002+/-0.004 χ^2/NDF: 70.2/58

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.841+/-0.005 χ^2/NDF:714304.5/12

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.554+/-0.005 χ^2/NDF:689636.6/10

Left: 20.703+/-0.003 χ^2/NDF: 1405718.3/23

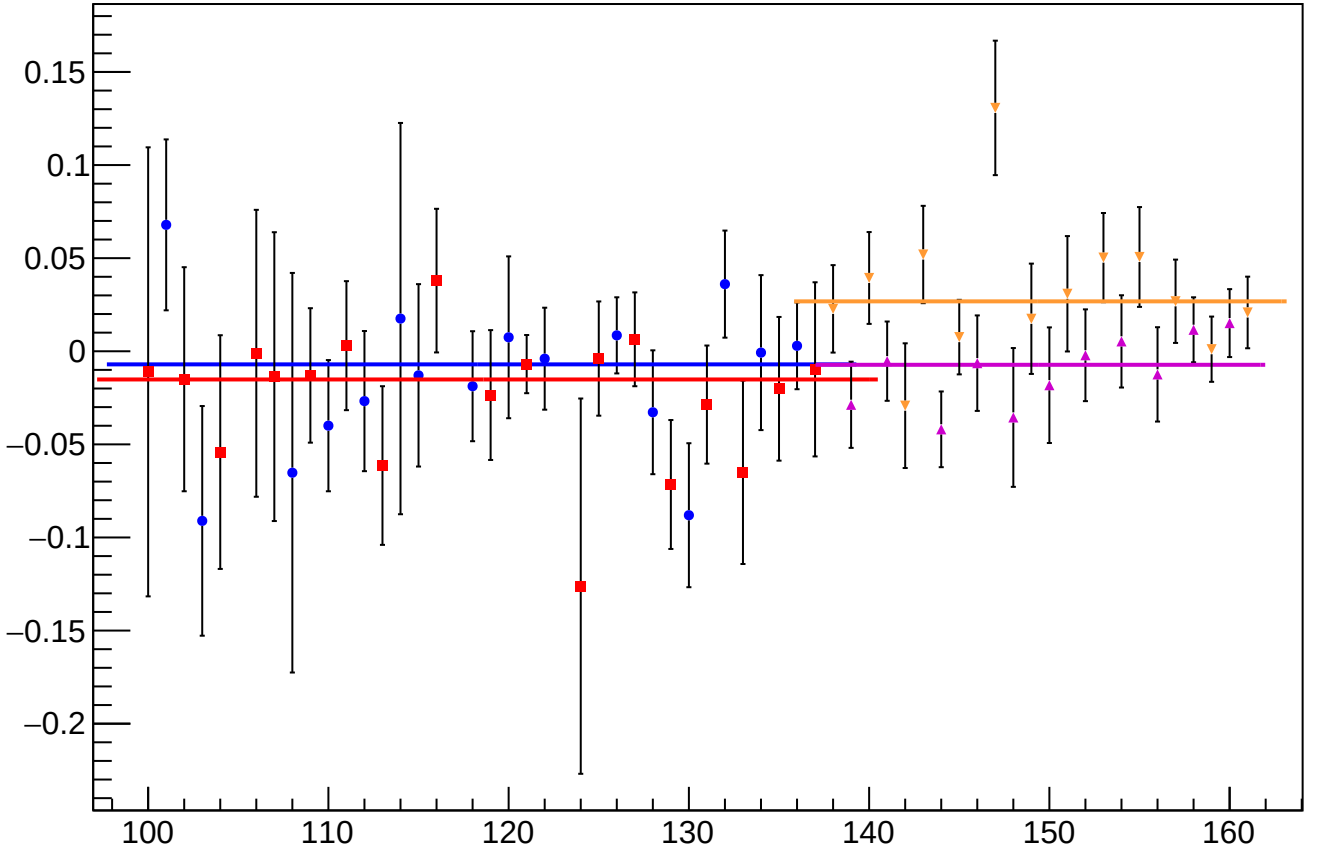
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.849+/-0.004 χ^2/NDF:2178103.1/26

Out: 20.386+/-0.004 χ^2/NDF:3176192.1/31

All: 20.608+/-0.003 χ^2/NDF: 5361931.4/58

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.007+/-0.007 χ^2/NDF:7.5/10

Left: 0.010+/-0.005 χ^2/NDF: 37.4/23

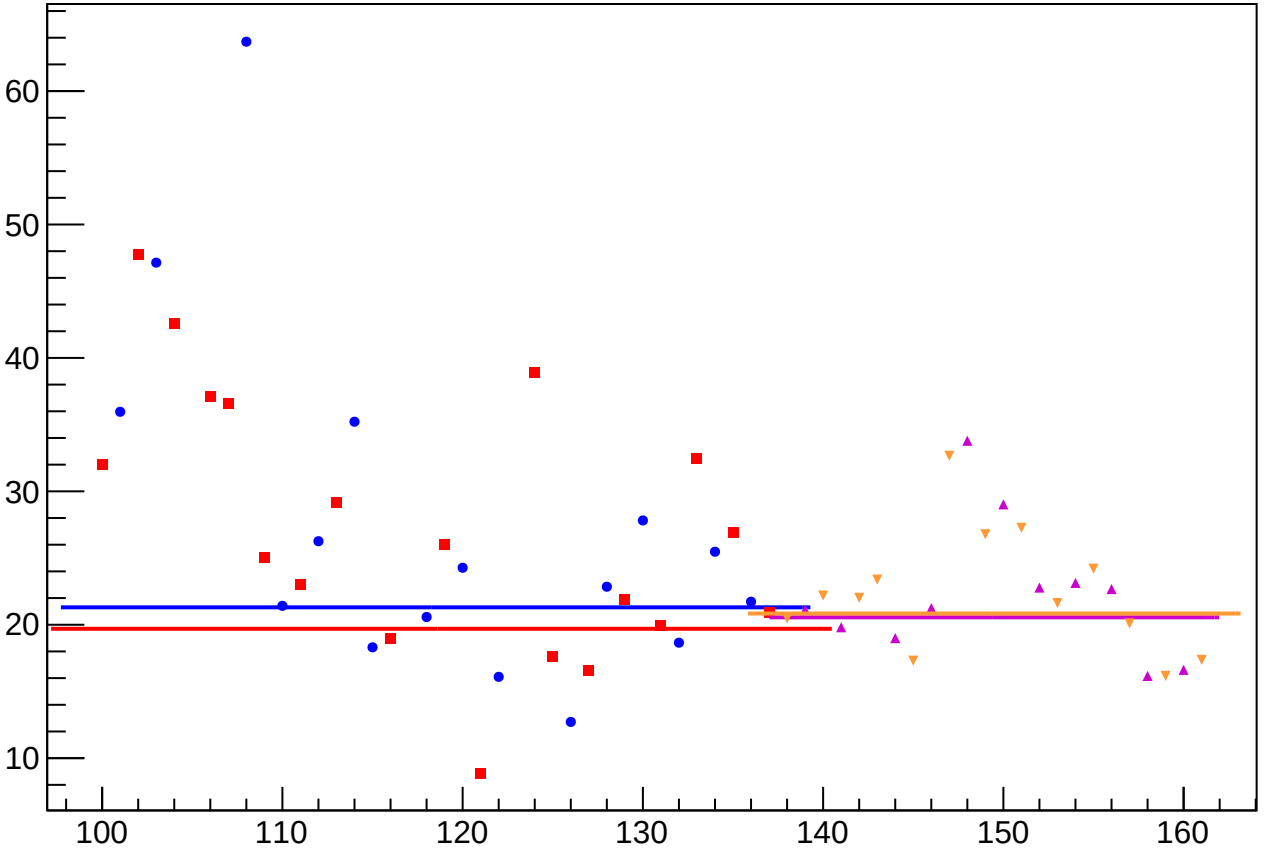
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.007+/-0.005 χ^2/NDF:21.8/26

Out: 0.010+/-0.005 χ^2/NDF:43.1/31

All: 0.002+/-0.004 χ^2/NDF: 70.2/58

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.841+/-0.005 χ^2/NDF:714304.5/12

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.554+/-0.005 χ^2/NDF:689636.6/10

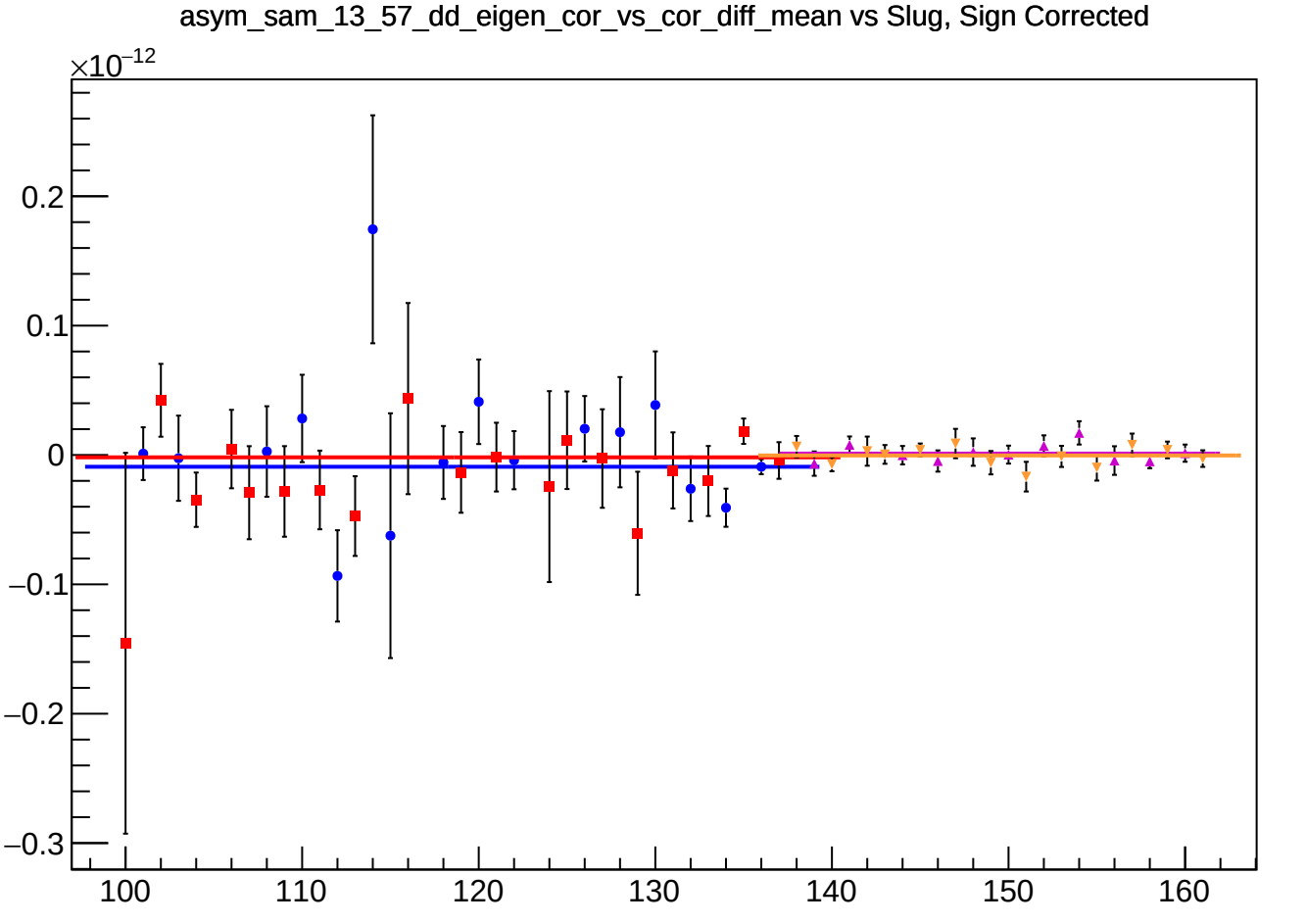
Left: 20.703+/-0.003 χ^2/NDF: 1405718.3/23

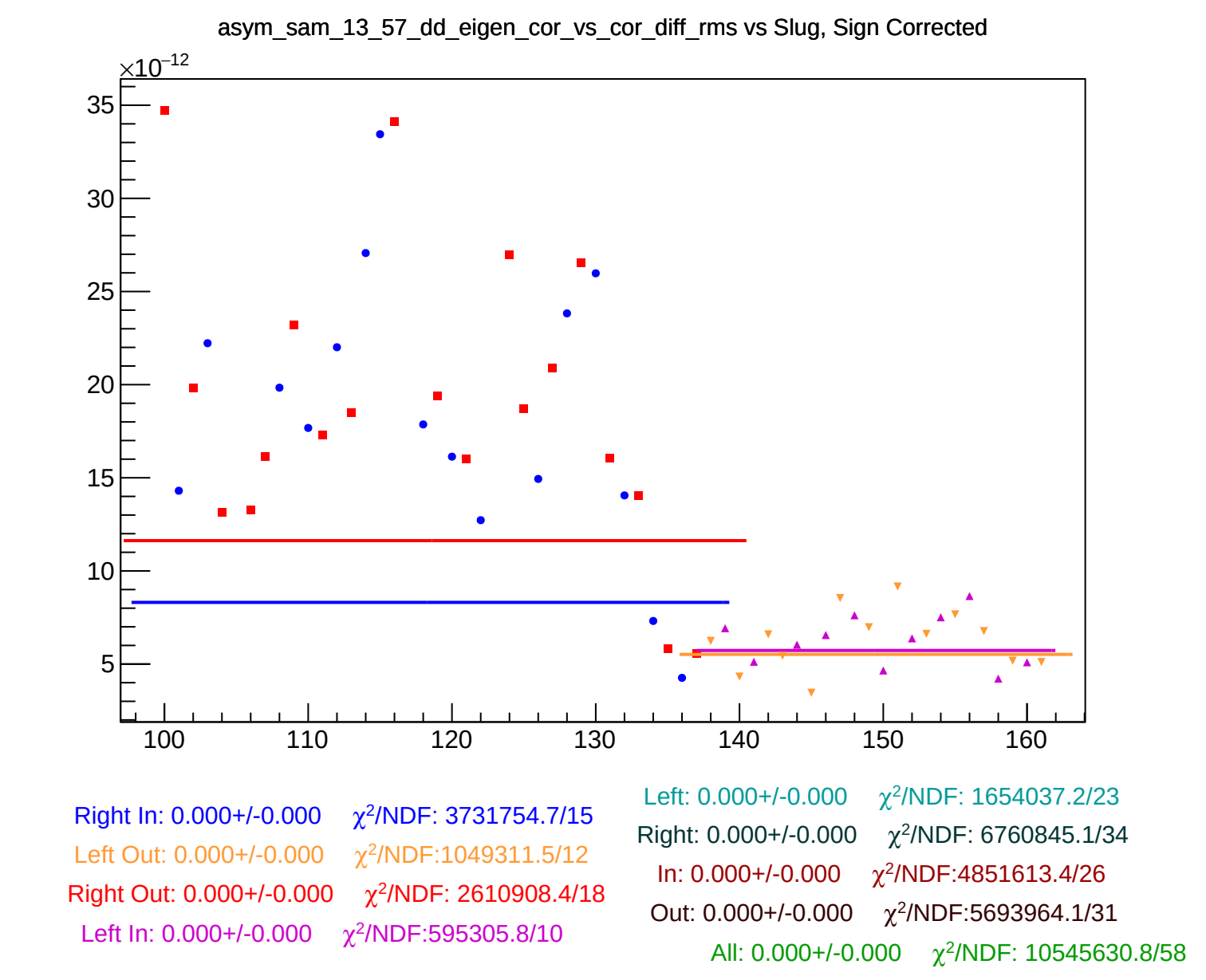
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

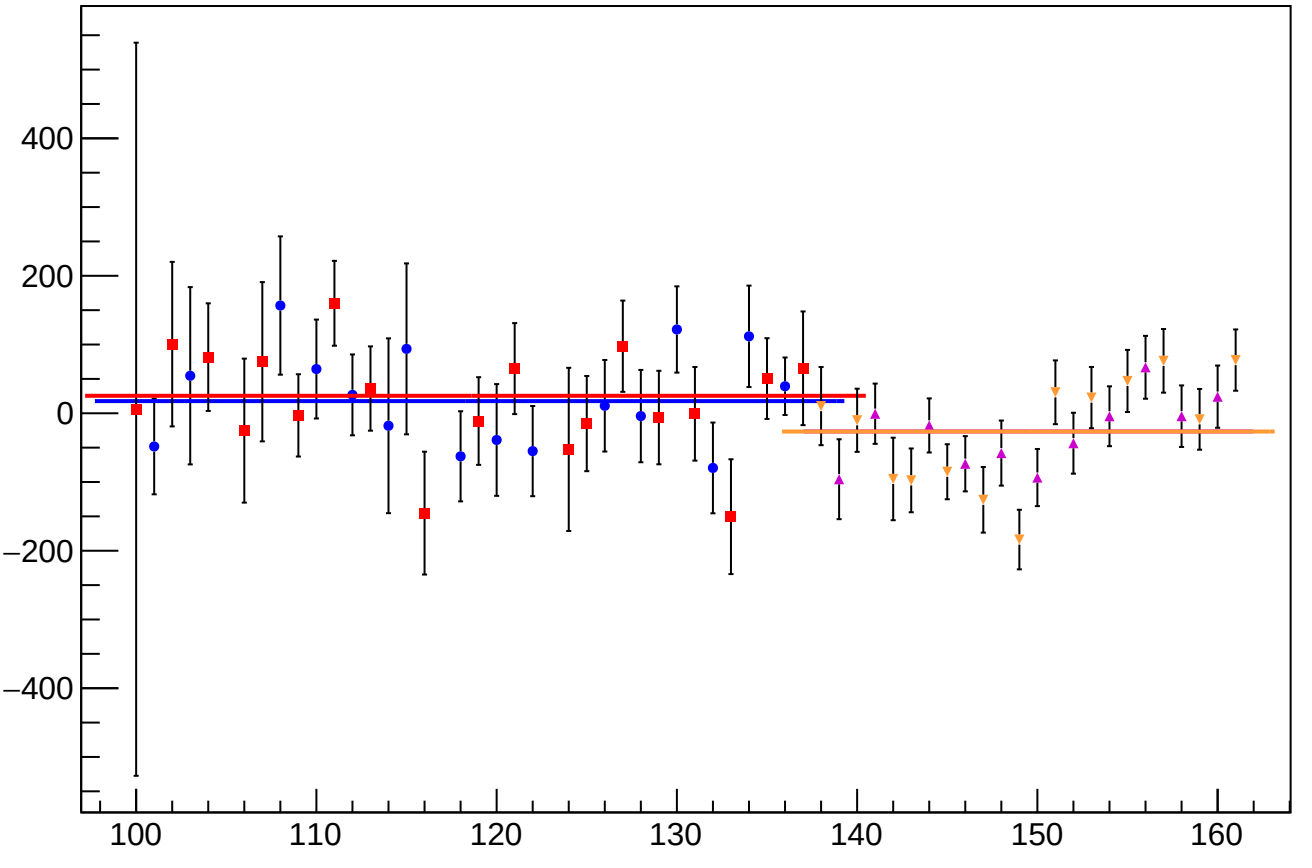
In: 20.849+/-0.004 χ^2/NDF:2178103.1/26

Out: 20.386+/-0.004 χ^2/NDF:3176192.1/31

All: 20.608+/-0.003 χ^2/NDF: 5361931.4/58


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:8.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:7.5/10
Left: 0.000+/-0.000 χ²/NDF: 16.3/23
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: -0.000+/-0.000 χ²/NDF:34.2/26
Out: -0.000+/-0.000 χ²/NDF:25.6/31
All: -0.000+/-0.000 χ²/NDF: 59.8/58


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1049311.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:595305.8/10
Left: 0.000+/-0.000 χ²/NDF: 1654037.2/23
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4851613.4/26
Out: 0.000+/-0.000 χ²/NDF:5693964.1/31
All: 0.000+/-0.000 χ²/NDF: 10545630.8/58



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.574+/-12.846 χ^2/NDF:39.8/12

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -26.467+/-13.352 χ^2/NDF:12.3/10

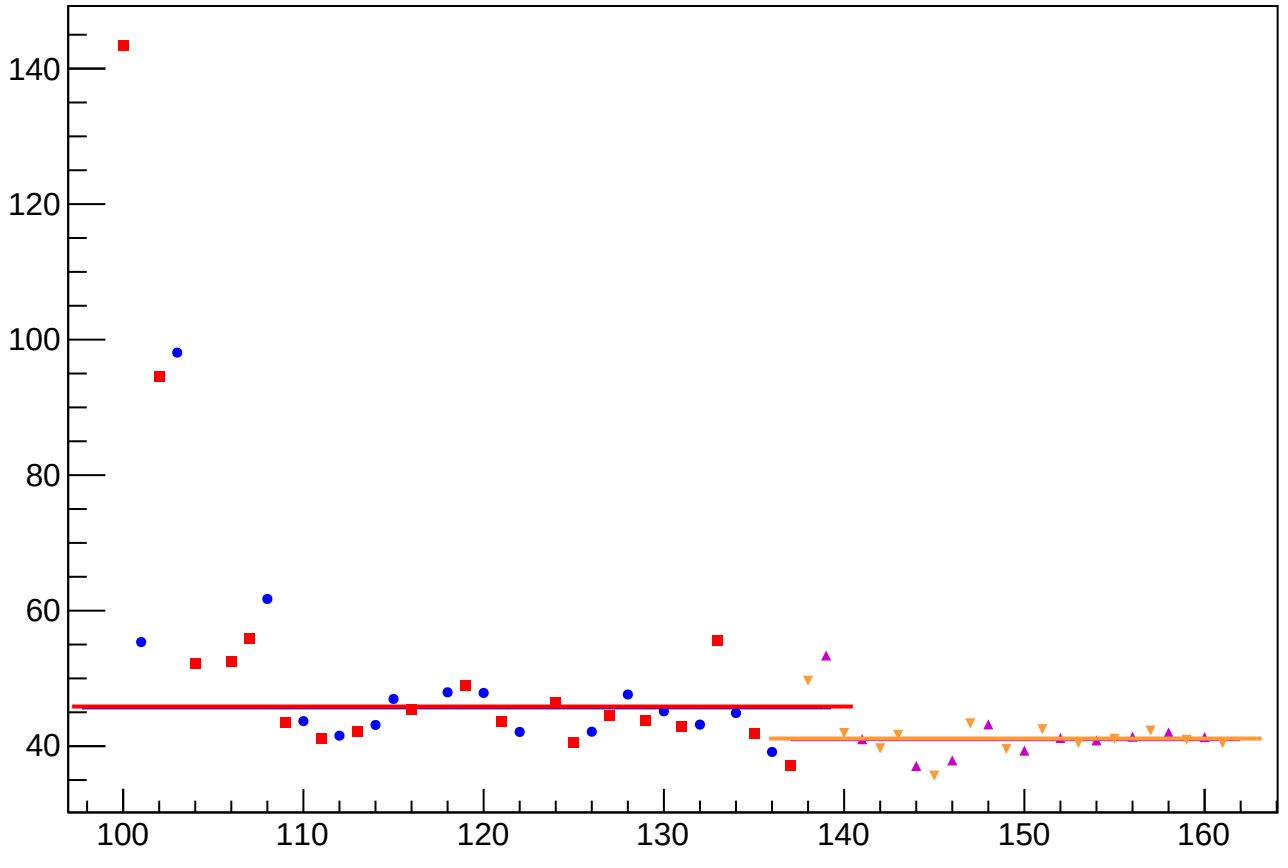
Left: -26.523+/-9.257 χ^2/NDF: 52.1/23

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -10.180+/-10.609 χ^2/NDF:30.3/26

Out: -8.138+/-10.321 χ^2/NDF:63.4/31

All: -9.131+/-7.398 χ^2/NDF: 93.7/58



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

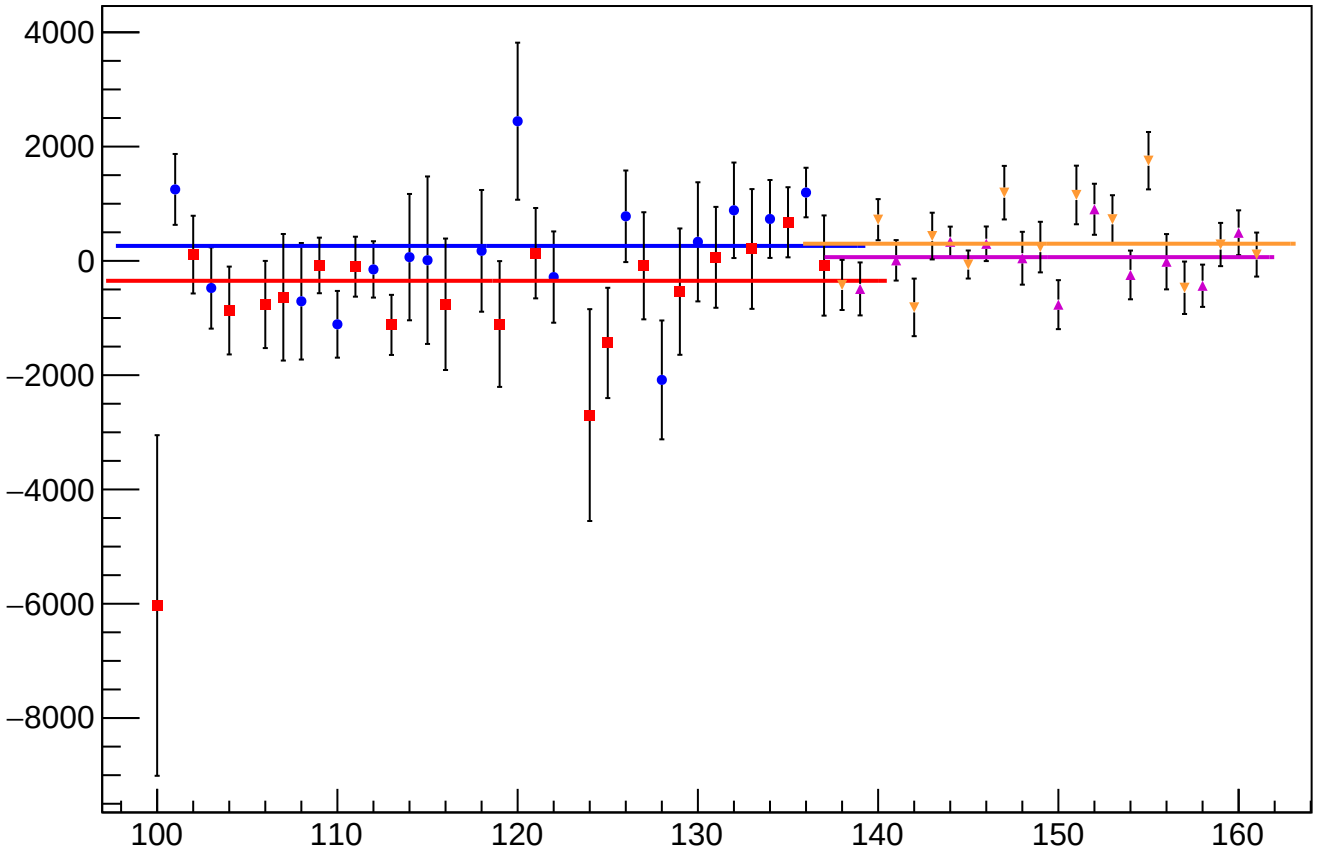
Left: 41.080+/-0.007 χ^2/NDF: 226895.4/23

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.762+/-0.008 χ^2/NDF:724256.3/26

Out: 42.801+/-0.007 χ^2/NDF:731254.5/31

All: 42.782+/-0.005 χ^2/NDF: 1455524.6/58



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 300.350+/-111.124 χ^2/NDF:30.2/12

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 65.442+/-114.312 χ^2/NDF:14.0/10

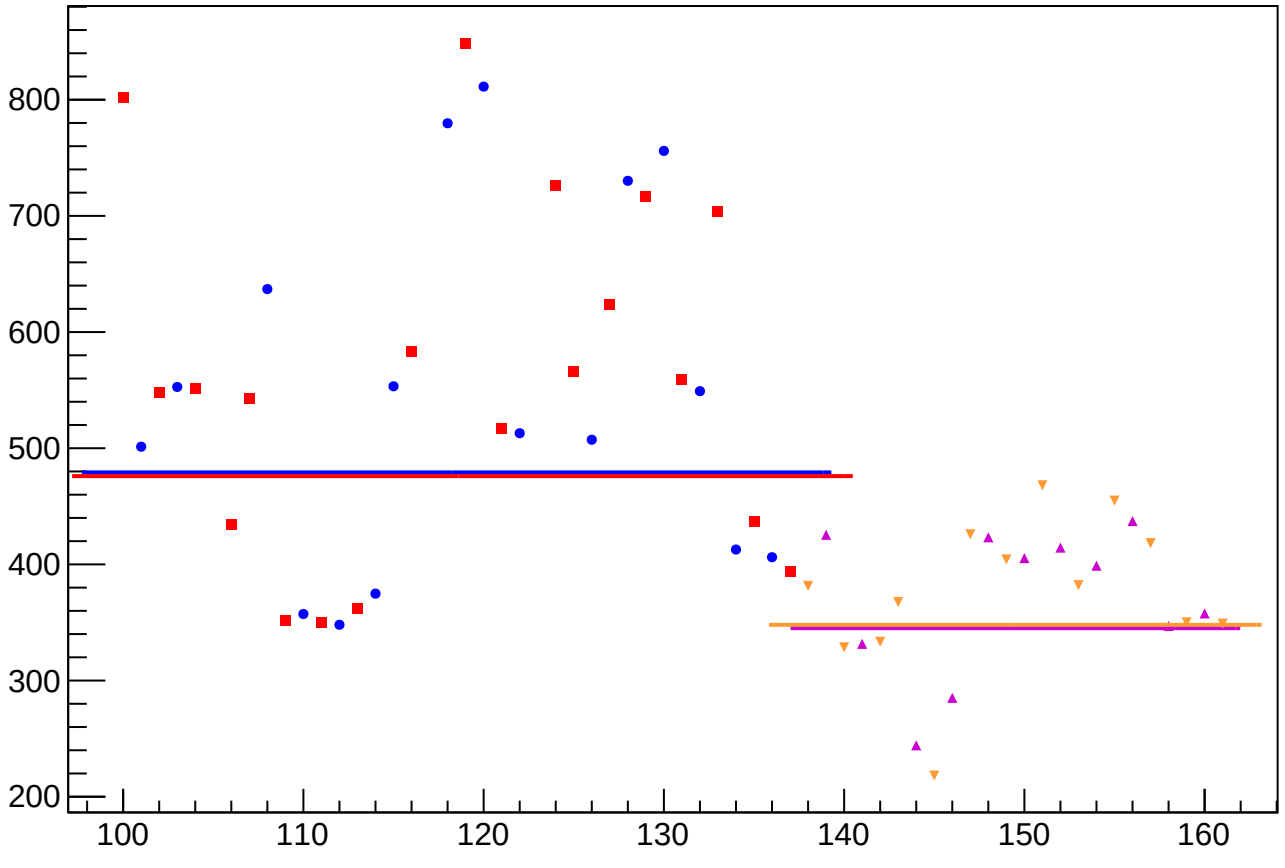
Left: 186.218+/-79.680 χ^2/NDF: 46.3/23

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 119.648+/-97.276 χ^2/NDF:39.7/26

Out: 122.226+/-94.655 χ^2/NDF:54.4/31

All: 120.972+/-67.839 χ^2/NDF: 94.2/58



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.953+/-0.079 χ^2/NDF:931035.8/12

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 345.100+/-0.081 χ^2/NDF:683709.9/10

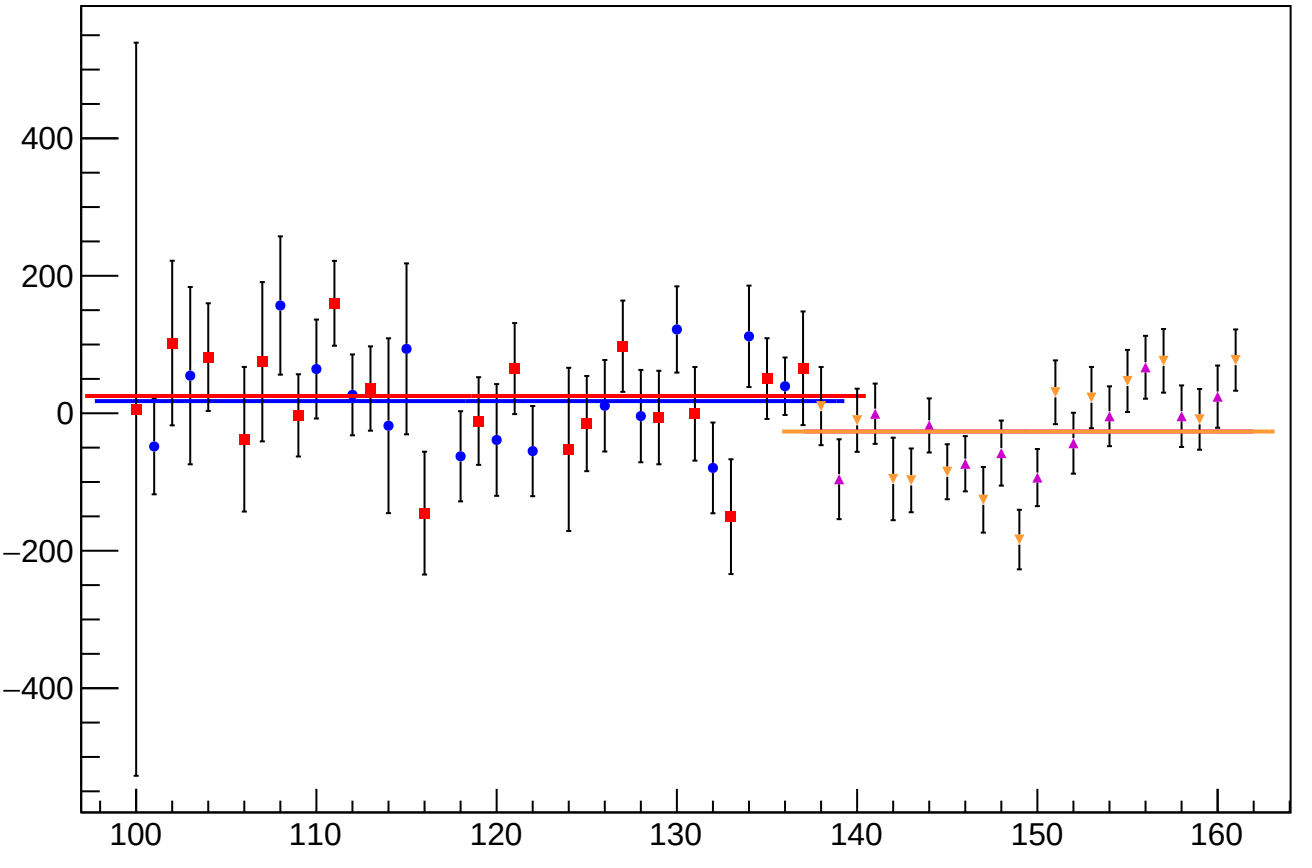
Left: 346.567+/-0.056 χ^2/NDF: 1615386.3/23

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 382.086+/-0.069 χ^2/NDF:2395395.6/26

Out: 383.093+/-0.067 χ^2/NDF:2666231.8/31

All: 382.603+/-0.048 χ^2/NDF: 5061737.5/58



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.576+/-12.846 χ^2/NDF:39.8/12

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.468+/-13.352 χ^2/NDF:12.3/10

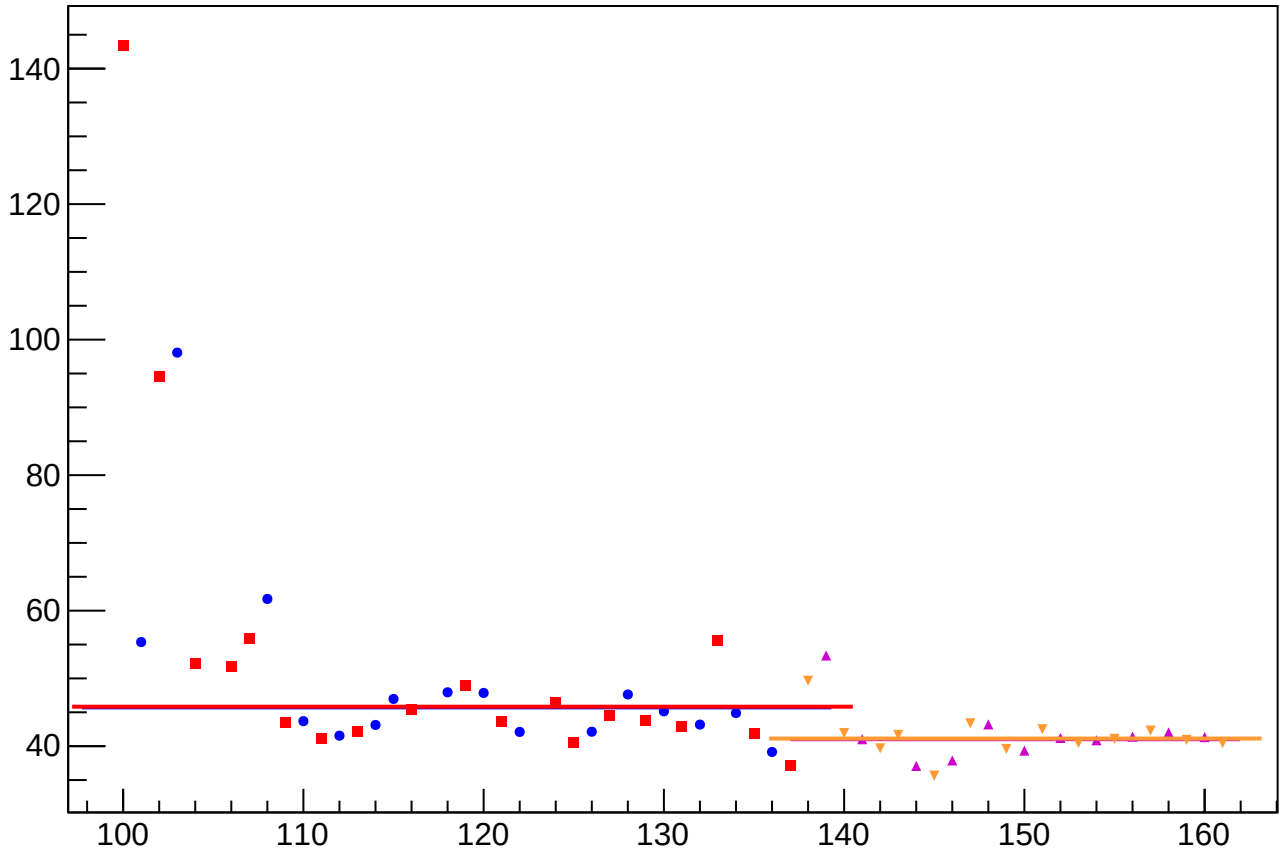
Left: -26.524+/-9.257 χ^2/NDF: 52.1/23

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.179+/-10.609 χ^2/NDF:30.3/26

Out: -8.247+/-10.322 χ^2/NDF:63.5/31

All: -9.186+/-7.398 χ^2/NDF: 93.8/58



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

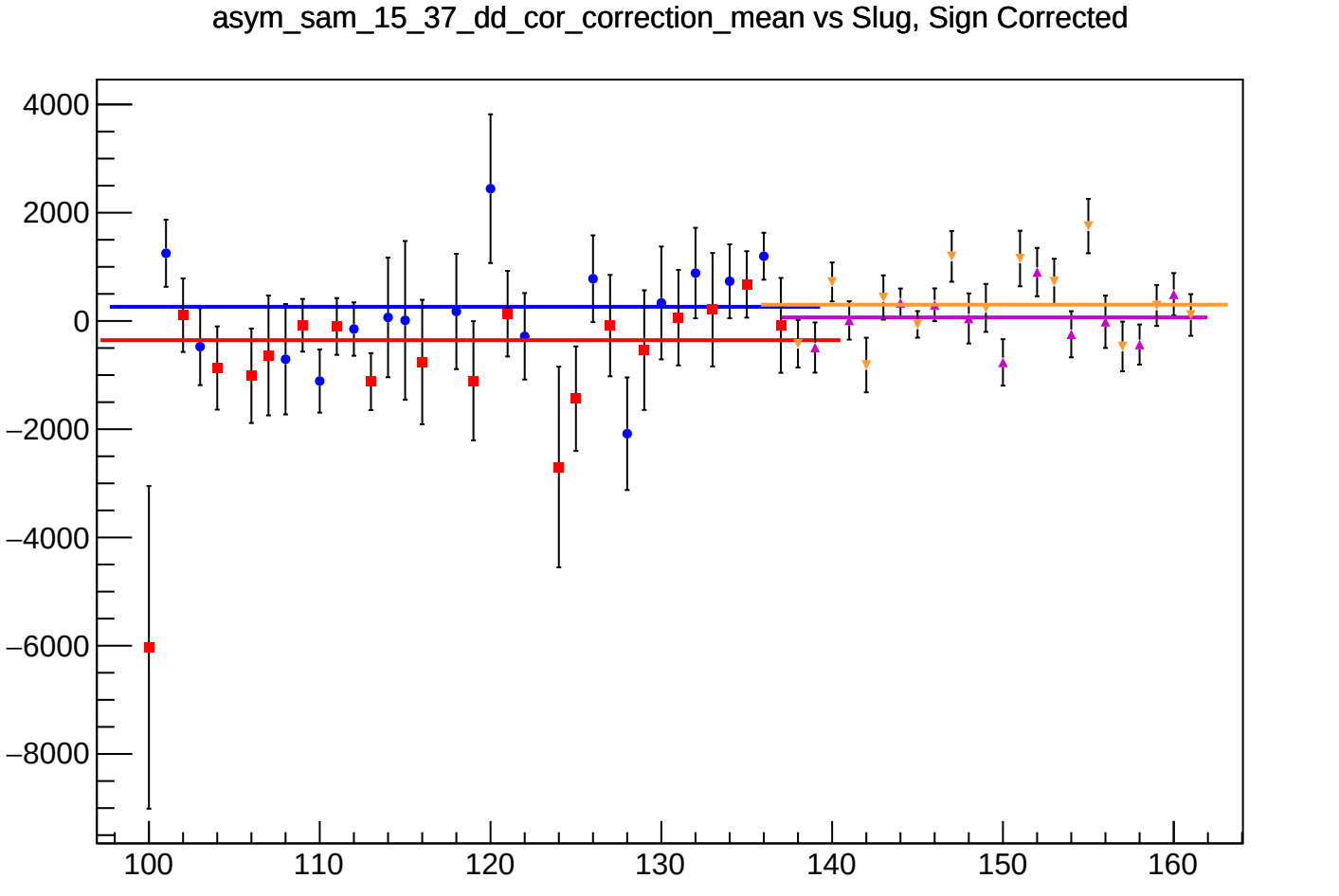
Left: 41.080+/-0.007 χ^2/NDF: 226895.4/23

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.762+/-0.008 χ^2/NDF:724259.2/26

Out: 42.792+/-0.007 χ^2/NDF:728586.6/31

All: 42.777+/-0.005 χ^2/NDF: 1452854.2/58



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 300.347+/-111.124 χ^2/NDF:30.2/12

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 65.443+/-114.312 χ^2/NDF:14.0/10

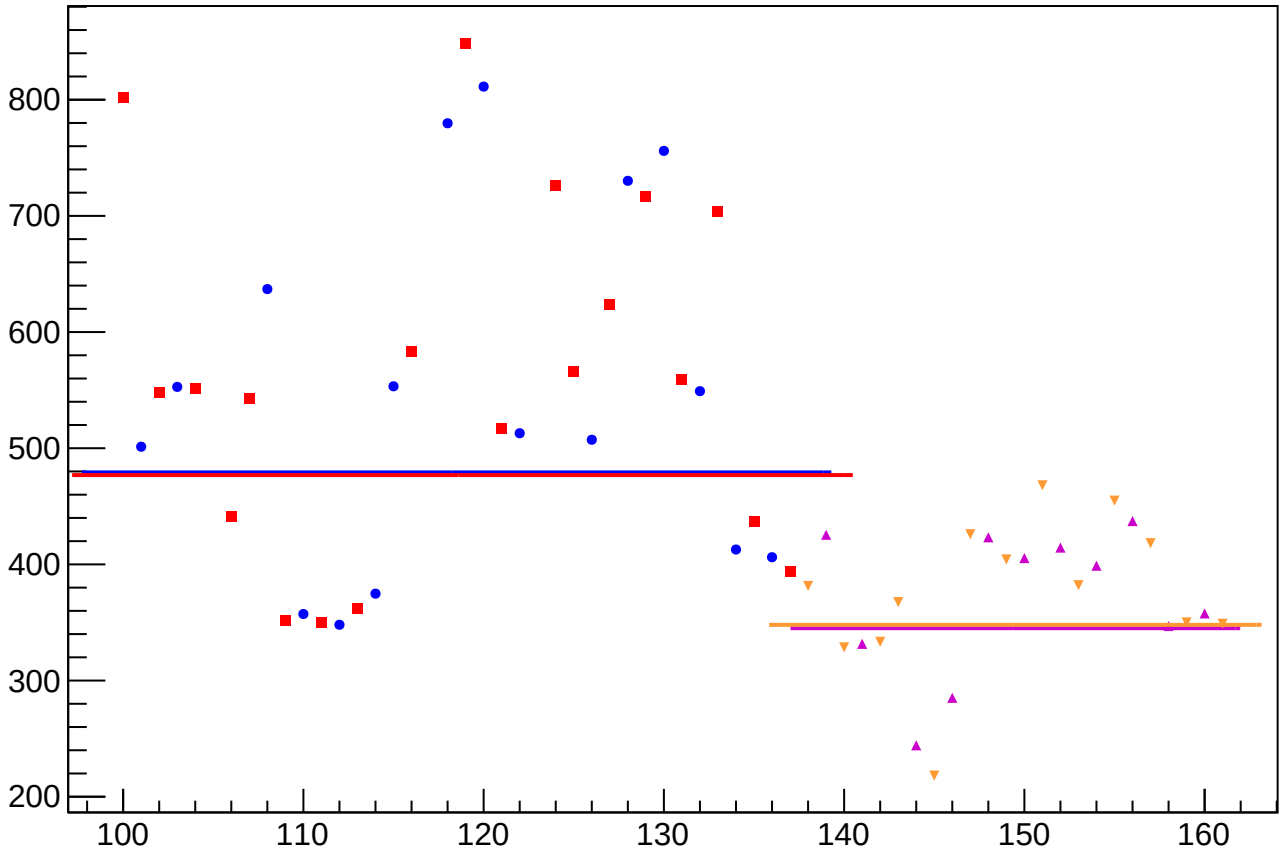
Left: 186.217+/-79.680 χ^2/NDF: 46.3/23

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 119.649+/-97.276 χ^2/NDF:39.7/26

Out: 122.459+/-94.829 χ^2/NDF:54.8/31

All: 121.090+/-67.903 χ^2/NDF: 94.5/58



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.953+/-0.079 χ^2/NDF:931036.9/12

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

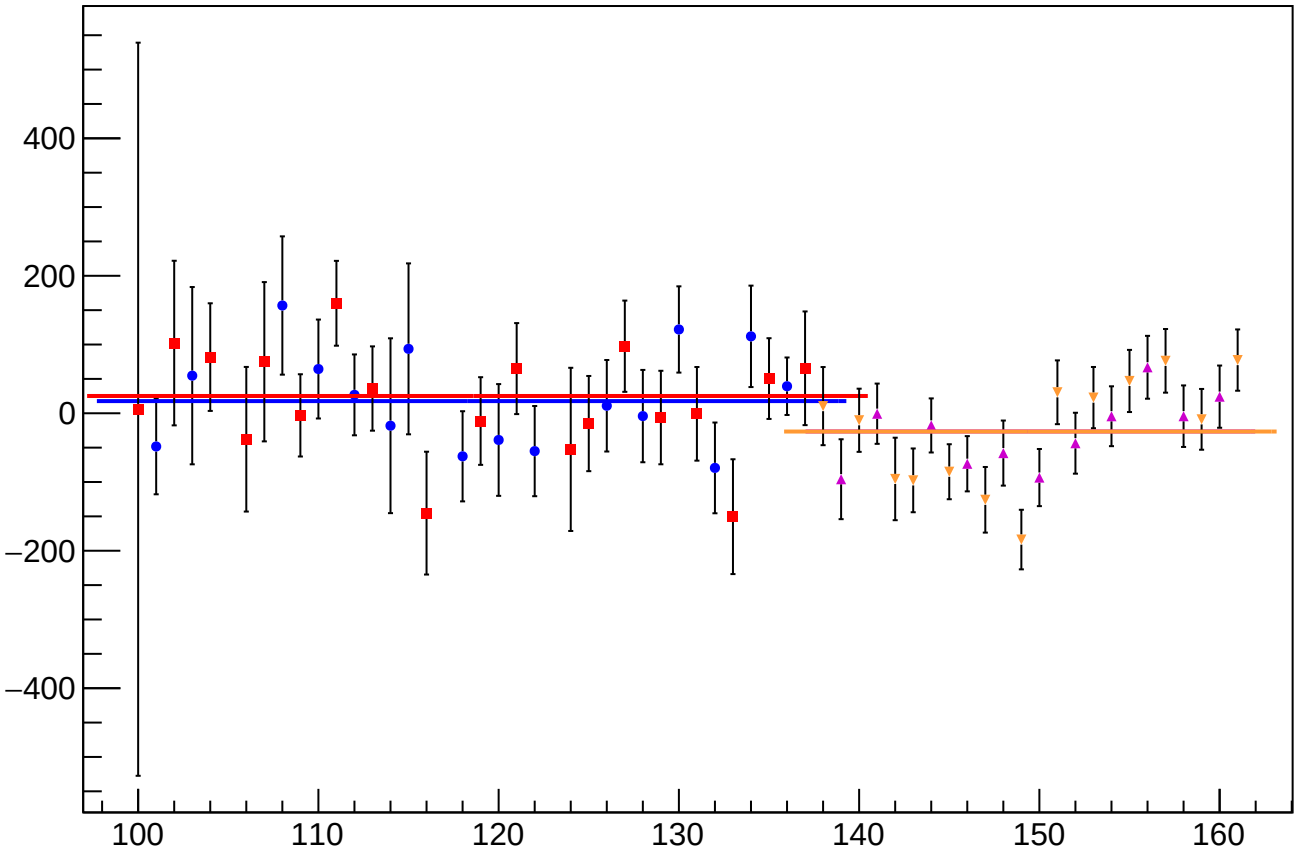
Left: 346.567+/-0.056 χ^2/NDF: 1615387.6/23

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 382.086+/-0.069 χ^2/NDF:2395442.0/26

Out: 382.995+/-0.067 χ^2/NDF:2666606.6/31

All: 382.552+/-0.048 χ^2/NDF: 5062138.1/58



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.576+/-12.846 χ^2/NDF:39.8/12

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -26.468+/-13.352 χ^2/NDF:12.3/10

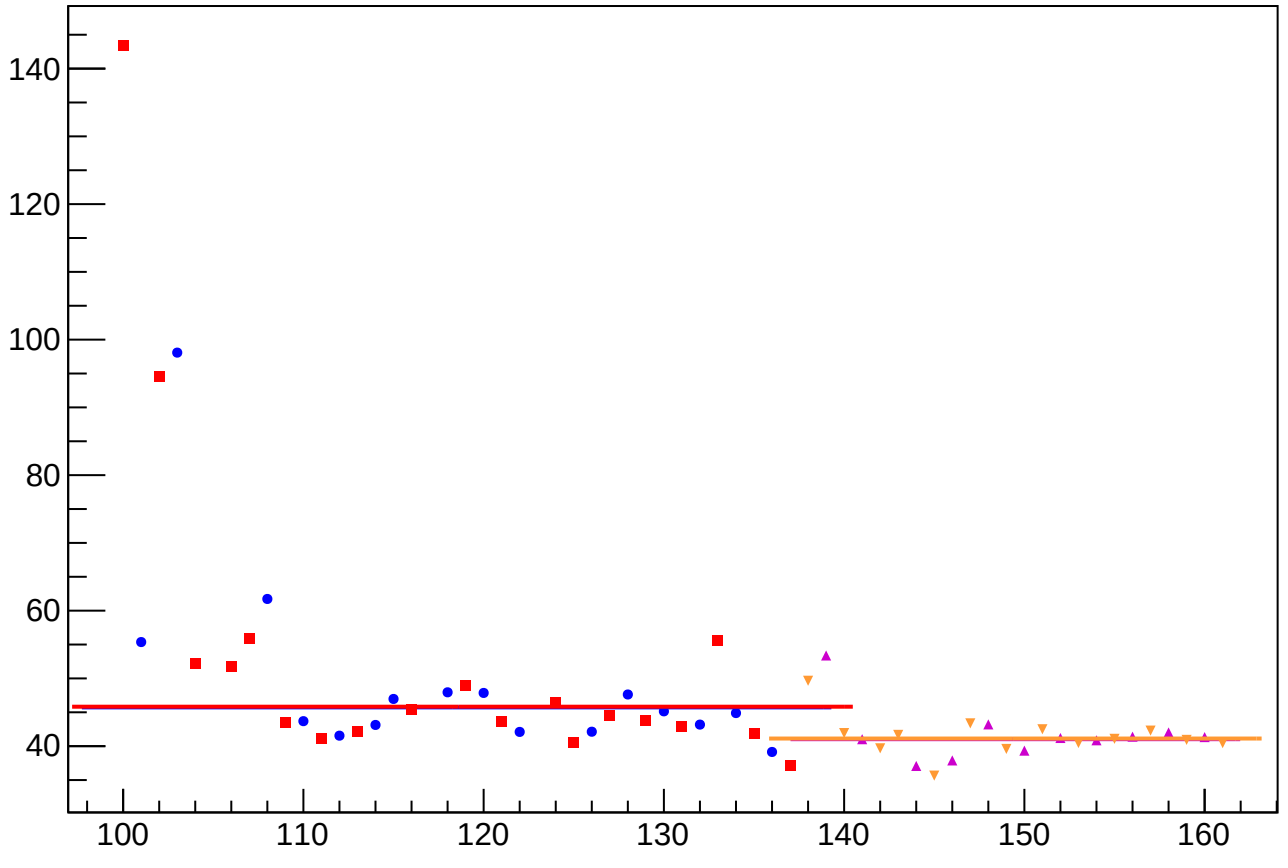
Left: -26.524+/-9.257 χ^2/NDF: 52.1/23

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -10.179+/-10.609 χ^2/NDF:30.3/26

Out: -8.247+/-10.322 χ^2/NDF:63.5/31

All: -9.186+/-7.398 χ^2/NDF: 93.8/58



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

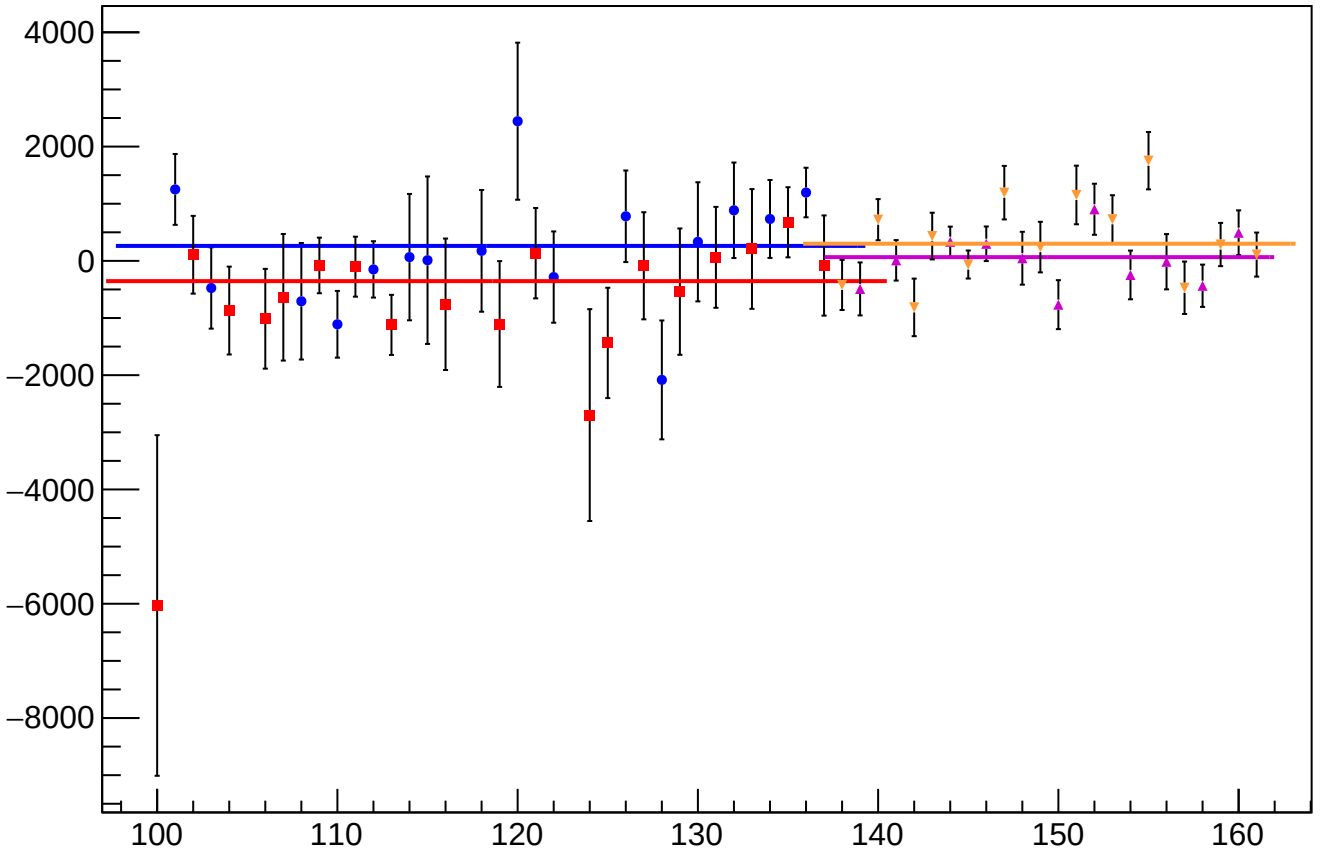
Left: 41.080+/-0.007 χ^2/NDF: 226895.4/23

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.762+/-0.008 χ^2/NDF:724259.2/26

Out: 42.792+/-0.007 χ^2/NDF:728586.6/31

All: 42.777+/-0.005 χ^2/NDF: 1452854.2/58



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 300.347+/-111.124 χ^2/NDF:30.2/12

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 65.443+/-114.312 χ^2/NDF:14.0/10

Left: 186.217+/-79.680 χ^2/NDF: 46.3/23

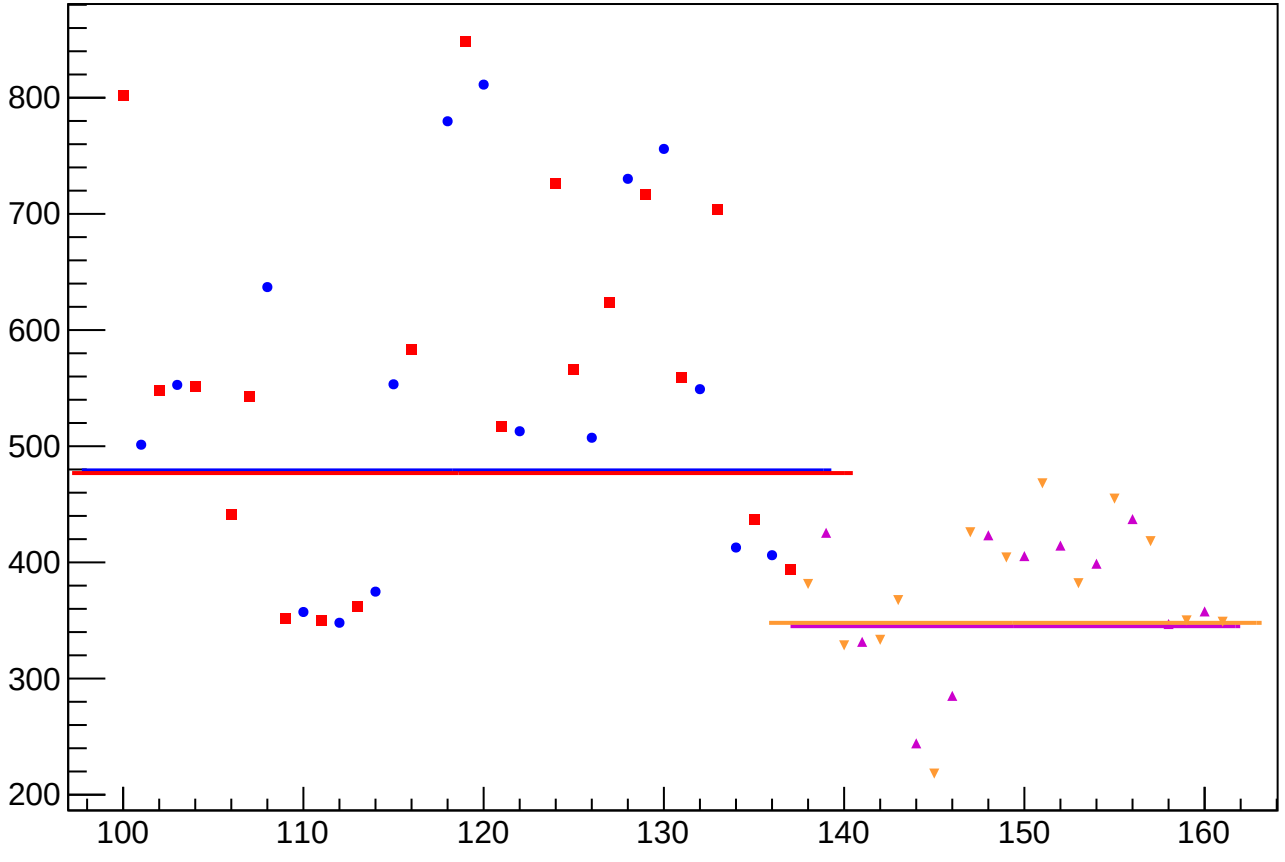
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 119.649+/-97.276 χ^2/NDF:39.7/26

Out: 122.459+/-94.829 χ^2/NDF:54.8/31

All: 121.090+/-67.903 χ^2/NDF: 94.5/58

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.953+/-0.079 χ^2/NDF:931036.9/12

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

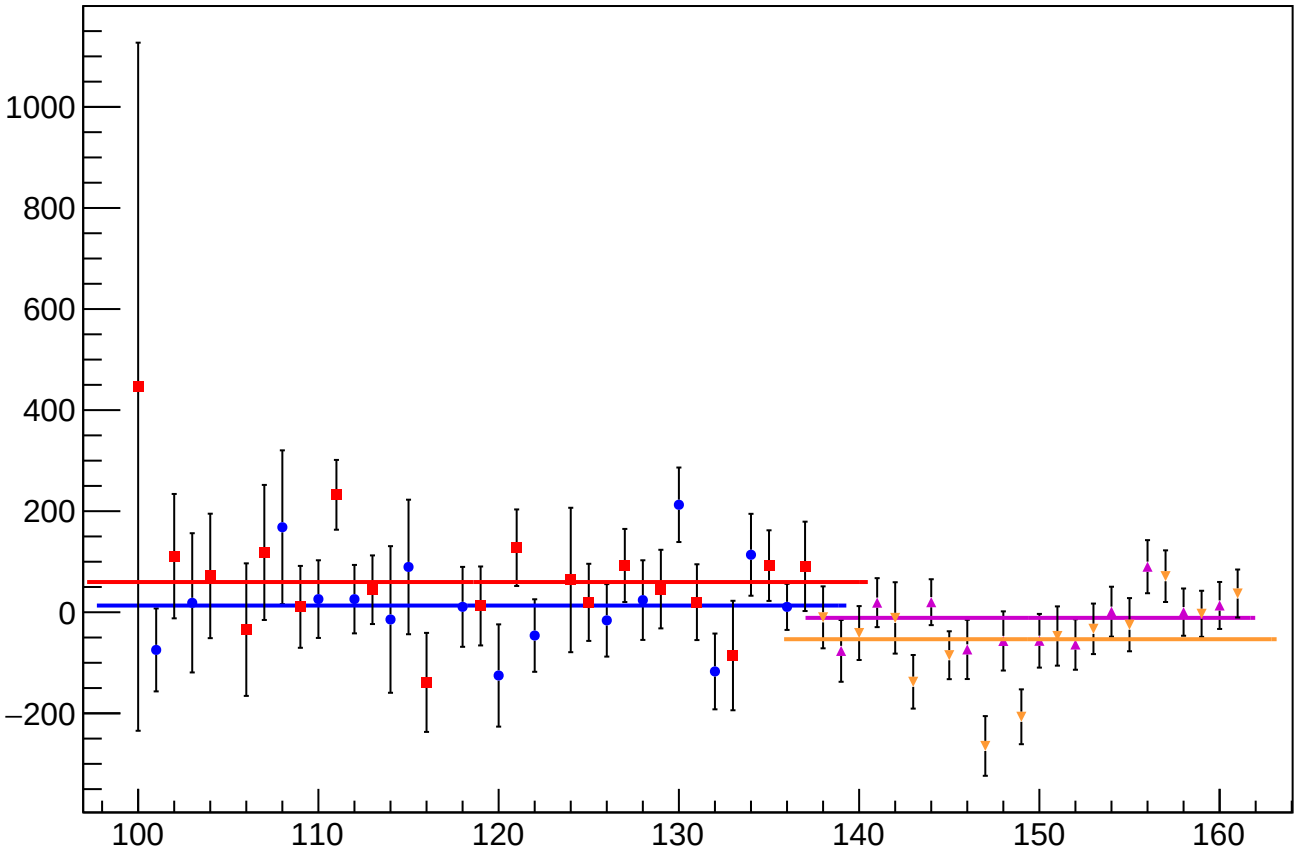
Left: 346.567+/-0.056 χ^2/NDF: 1615387.6/23

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 382.086+/-0.069 χ^2/NDF:2395442.0/26

Out: 382.995+/-0.067 χ^2/NDF:2666606.6/31

All: 382.552+/-0.048 χ^2/NDF: 5062138.1/58



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -53.334+/-14.736 χ^2/NDF:35.9/12

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.104+/-15.416 χ^2/NDF:9.7/10

Left: -33.170+/-10.652 χ^2/NDF: 49.6/23

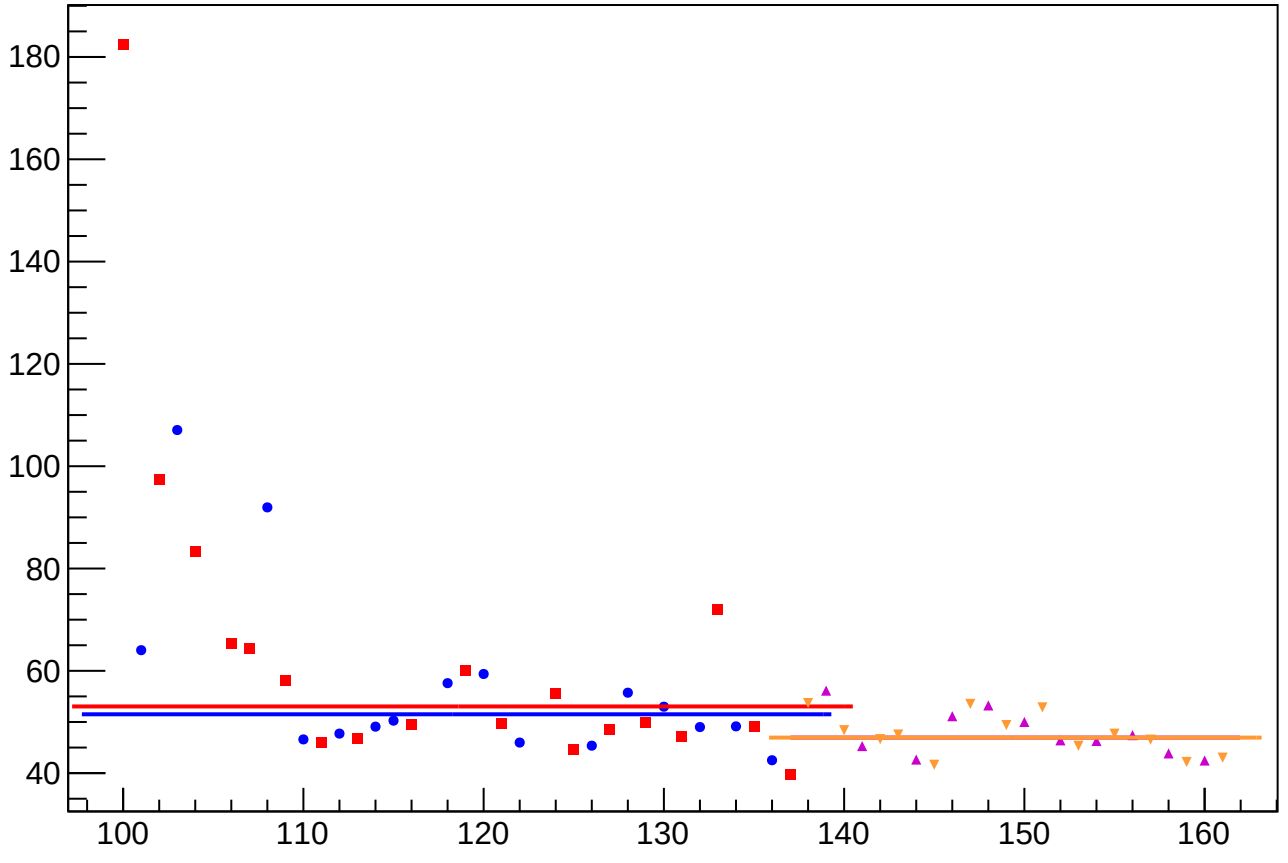
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -1.935+/-12.175 χ^2/NDF:27.9/26

Out: -14.120+/-11.912 χ^2/NDF:72.5/31

All: -8.161+/-8.515 χ^2/NDF: 100.9/58

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.946+/-0.010 χ^2/NDF:138492.8/12

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.949+/-0.011 χ^2/NDF:133280.3/10

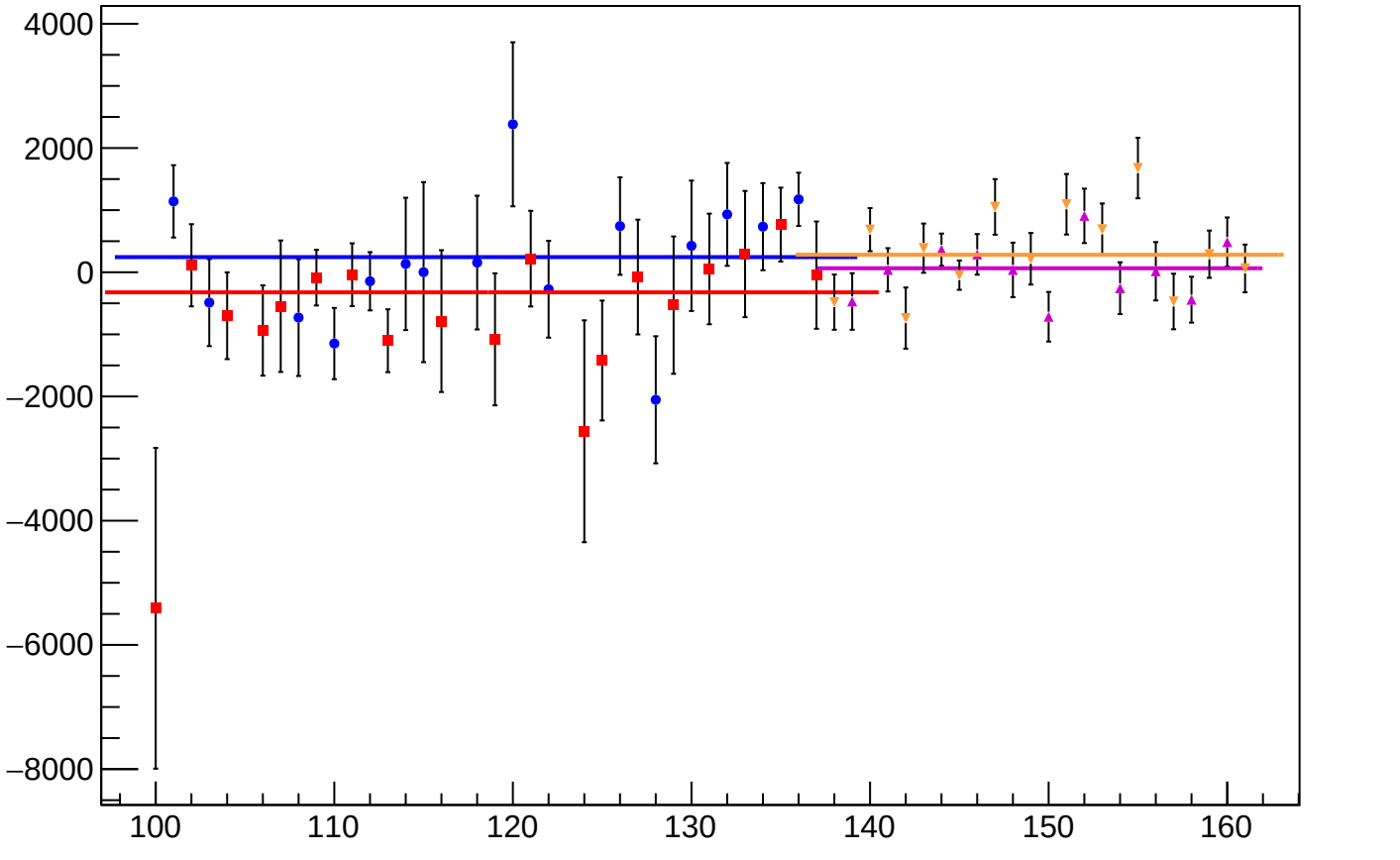
Left: 46.947+/-0.008 χ^2/NDF: 271773.1/23

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.664+/-0.009 χ^2/NDF:866073.5/26

Out: 49.057+/-0.008 χ^2/NDF:969854.3/31

All: 48.865+/-0.006 χ^2/NDF: 1836994.9/58



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 281.732+/-108.157 χ^2/NDF:28.7/12

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 64.211+/-113.371 χ^2/NDF:14.3/10

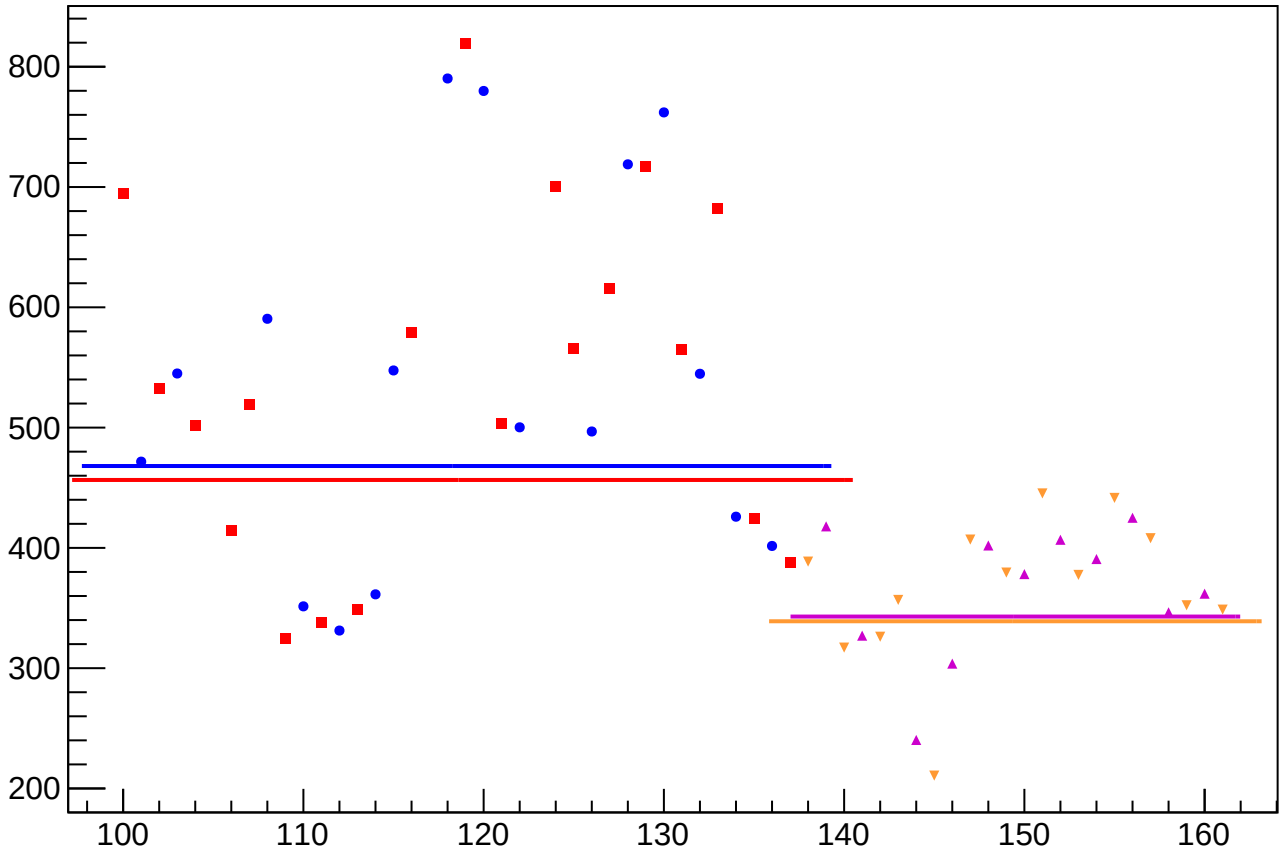
Left: 178.088+/-78.257 χ^2/NDF: 44.9/23

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 114.874+/-96.061 χ^2/NDF:40.6/26

Out: 112.505+/-91.803 χ^2/NDF:53.9/31

All: 113.636+/-66.369 χ^2/NDF: 94.5/58



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 338.995+/-0.076 χ^2/NDF:947225.2/12

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 342.918+/-0.080 χ^2/NDF:584916.3/10

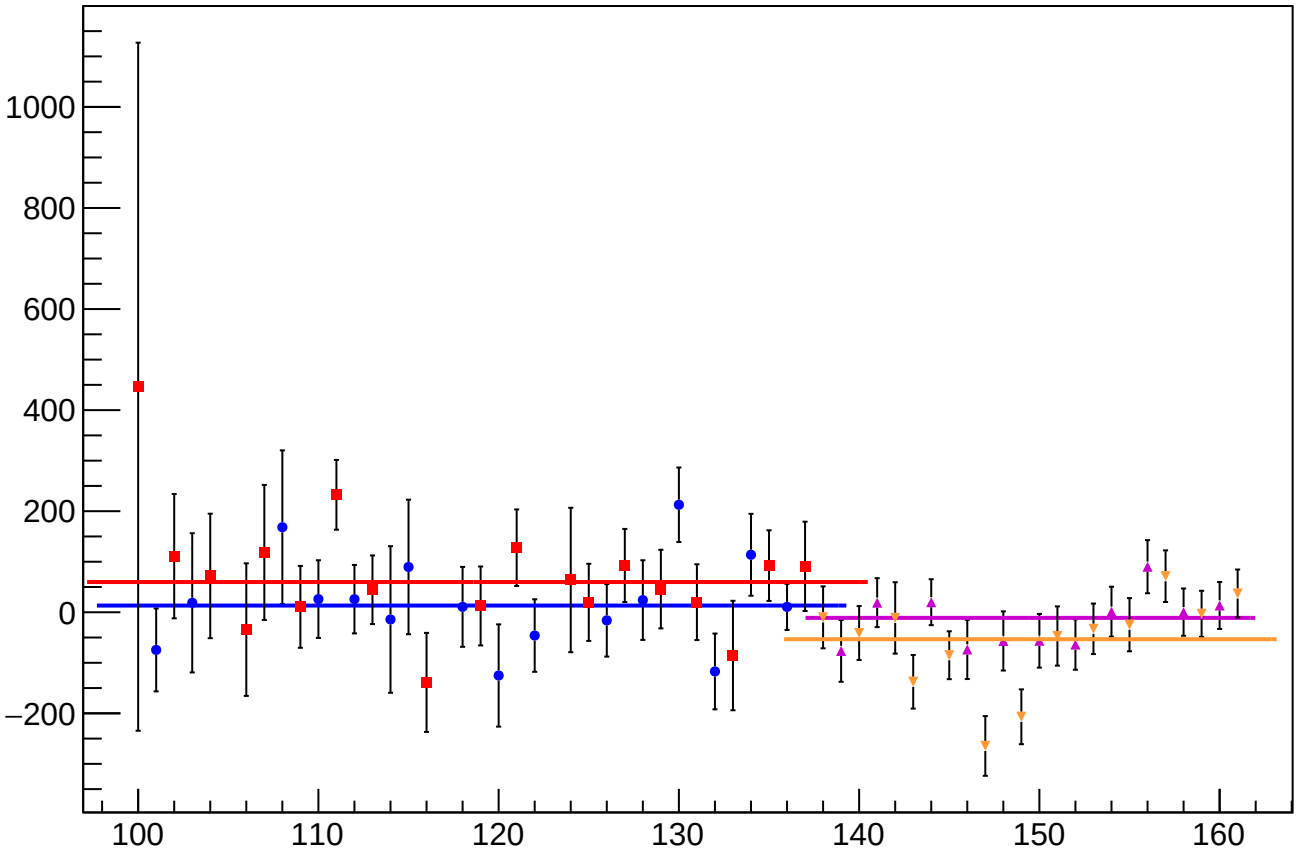
Left: 340.864+/-0.055 χ^2/NDF: 1533395.3/23

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 378.218+/-0.068 χ^2/NDF:2255242.6/26

Out: 371.834+/-0.065 χ^2/NDF:2689351.4/31

All: 374.882+/-0.047 χ^2/NDF: 4949210.2/58



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -53.335+/-14.736 χ^2/NDF:35.9/12

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.104+/-15.416 χ^2/NDF:9.7/10

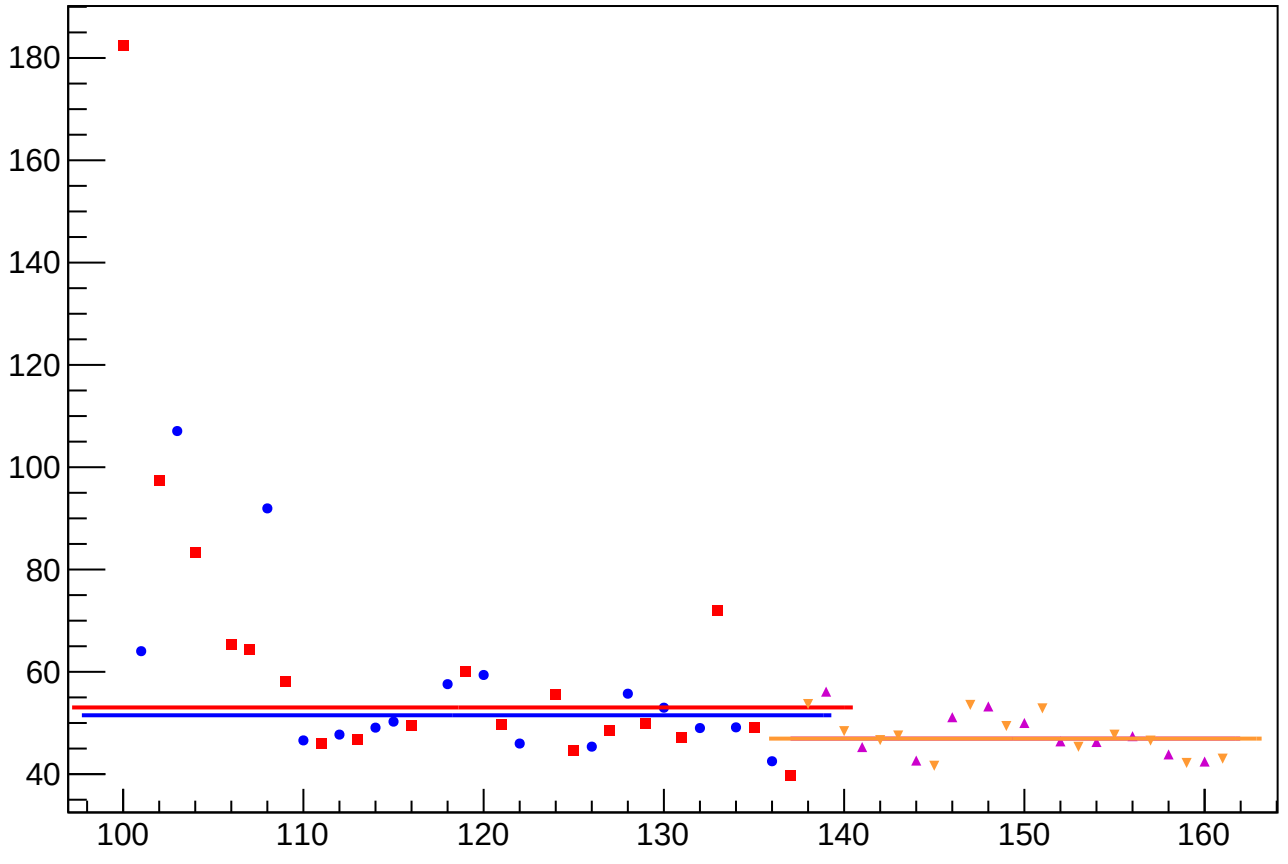
Left: -33.170+/-10.652 χ^2/NDF: 49.6/23

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -1.935+/-12.175 χ^2/NDF:27.9/26

Out: -14.120+/-11.912 χ^2/NDF:72.5/31

All: -8.161+/-8.515 χ^2/NDF: 100.9/58



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.946+/-0.010 χ^2/NDF:138495.4/12

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.949+/-0.011 χ^2/NDF:133280.6/10

Left: 46.947+/-0.008 χ^2/NDF: 271776.1/23

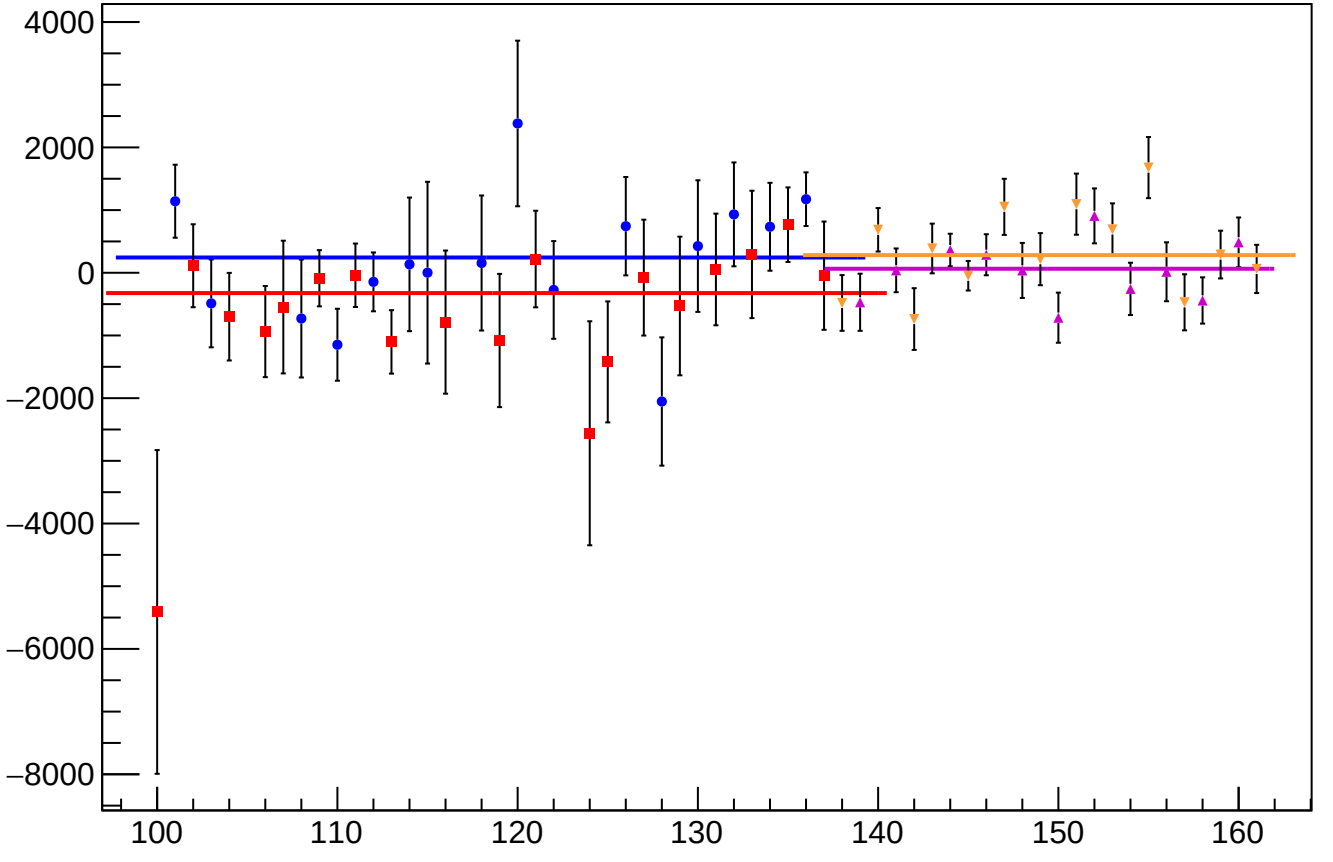
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 48.664+/-0.009 χ^2/NDF:866078.2/26

Out: 49.057+/-0.008 χ^2/NDF:969866.2/31

All: 48.865+/-0.006 χ^2/NDF: 1837011.5/58

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: 281.732+/-108.157 χ^2/NDF:28.7/12

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 64.211+/-113.371 χ^2/NDF:14.3/10

Left: 178.089+/-78.257 χ^2/NDF: 44.9/23

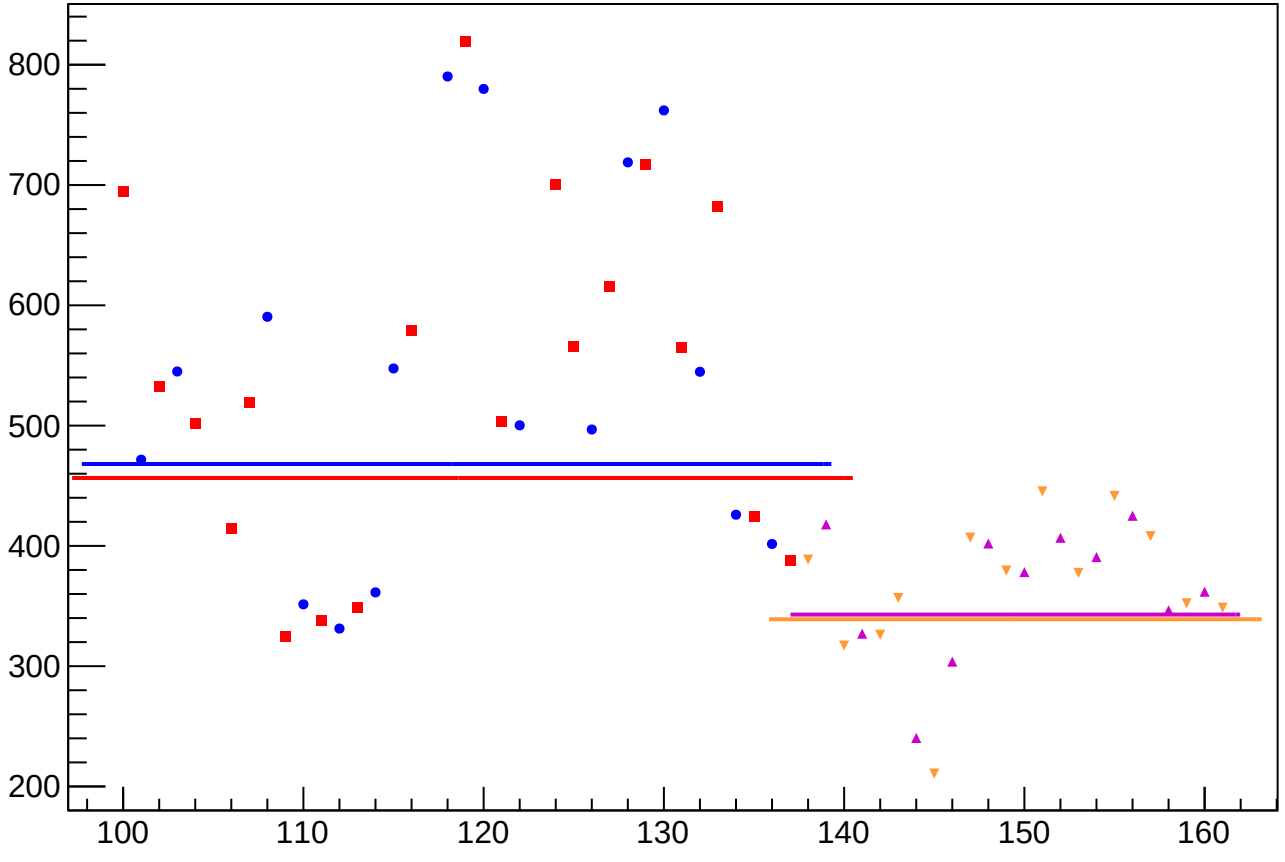
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 114.874+/-96.061 χ^2/NDF:40.6/26

Out: 112.505+/-91.803 χ^2/NDF:53.9/31

All: 113.636+/-66.369 χ^2/NDF: 94.5/58

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 338.995+/-0.076 χ^2/NDF:947229.7/12

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 342.918+/-0.080 χ^2/NDF:584917.8/10

Left: 340.864+/-0.055 χ^2/NDF: 1533401.4/23

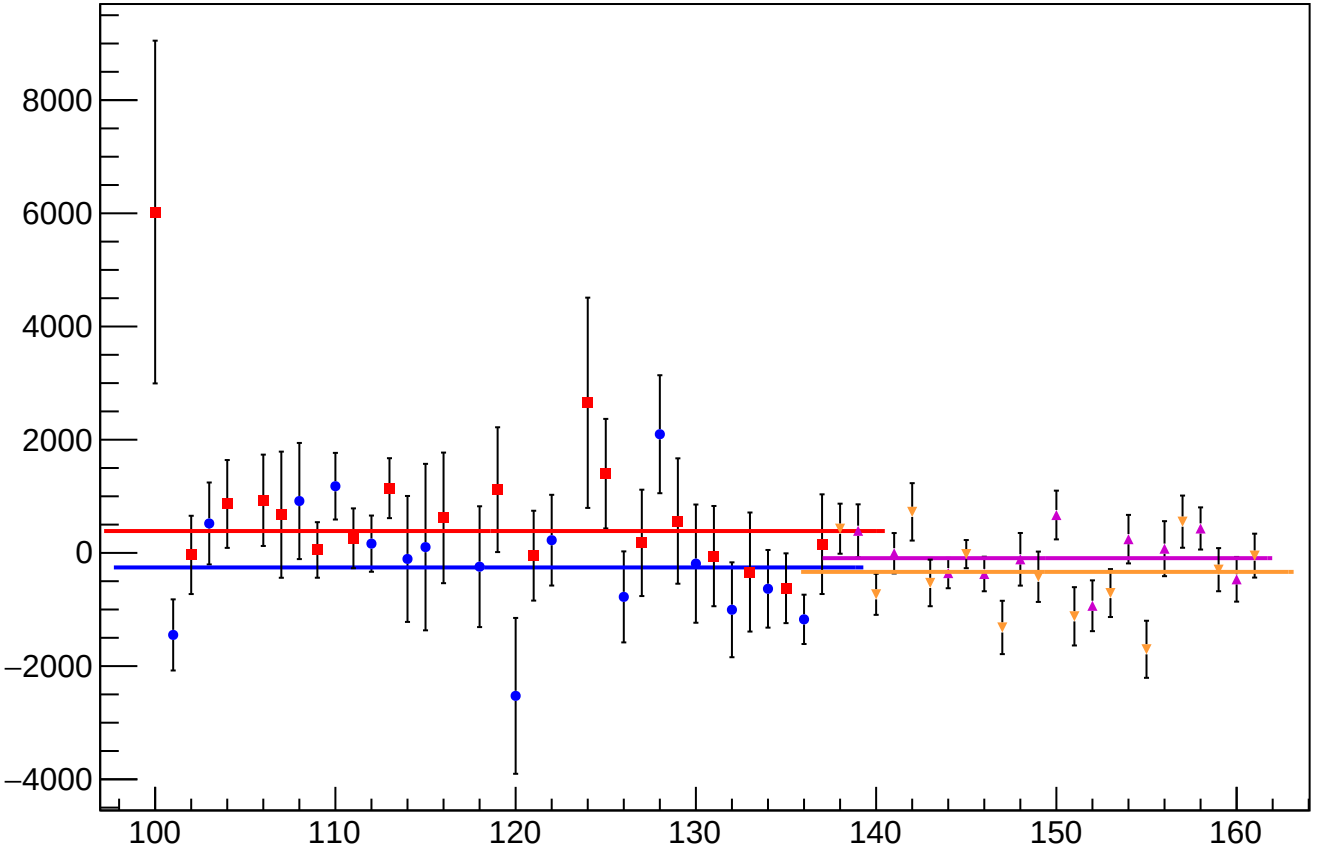
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 378.218+/-0.068 χ^2/NDF:2255235.9/26

Out: 371.834+/-0.065 χ^2/NDF:2689346.6/31

All: 374.881+/-0.047 χ^2/NDF: 4949198.9/58

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -335.237+/-111.984 χ^2/NDF:29.5/12

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -92.812+/-115.196 χ^2/NDF:13.2/10

Left: -217.451+/-80.296 χ^2/NDF: 44.9/23

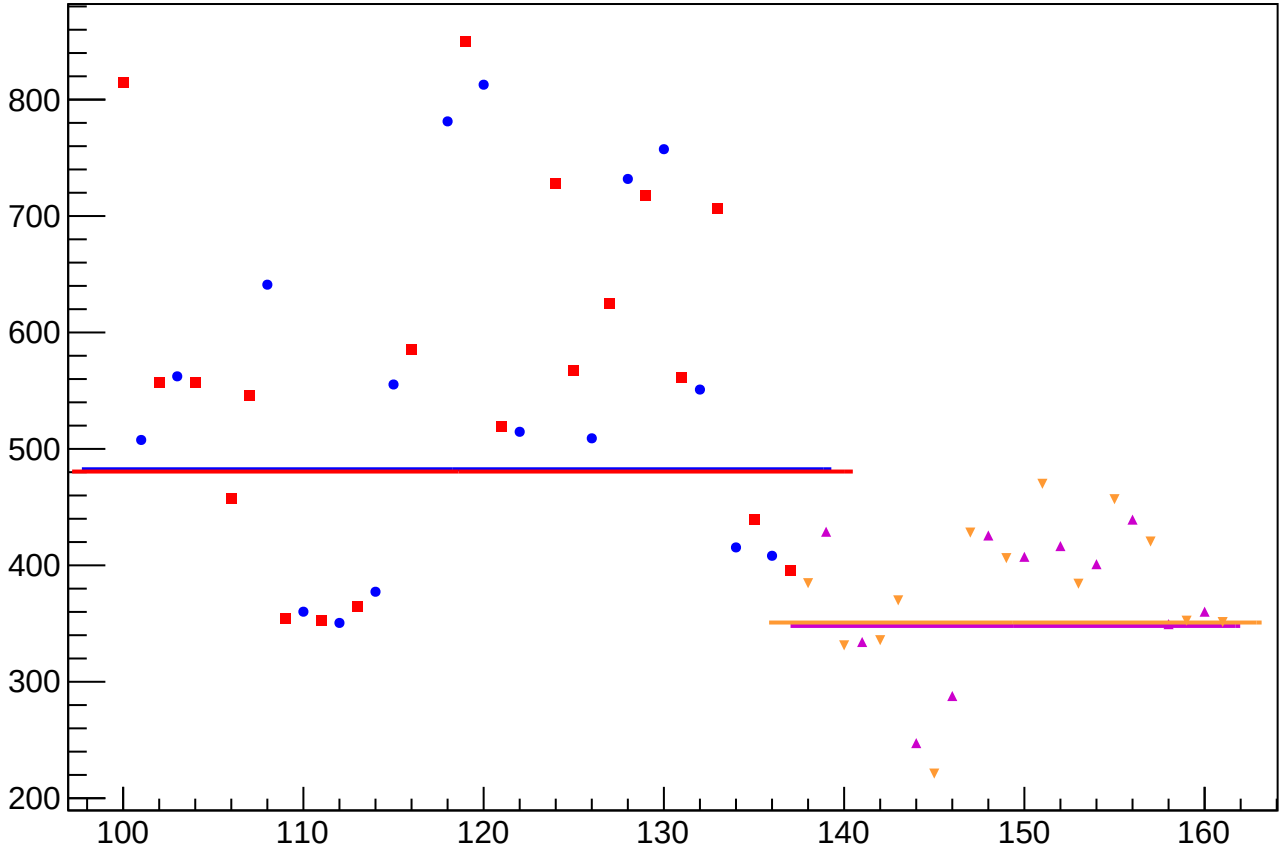
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -138.098+/-98.002 χ^2/NDF:40.7/26

Out: -137.618+/-95.428 χ^2/NDF:55.1/31

All: -137.852+/-68.370 χ^2/NDF: 95.7/58

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.889+/-0.079 χ^2/NDF:905549.8/12

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 347.963+/-0.081 χ^2/NDF:666563.4/10

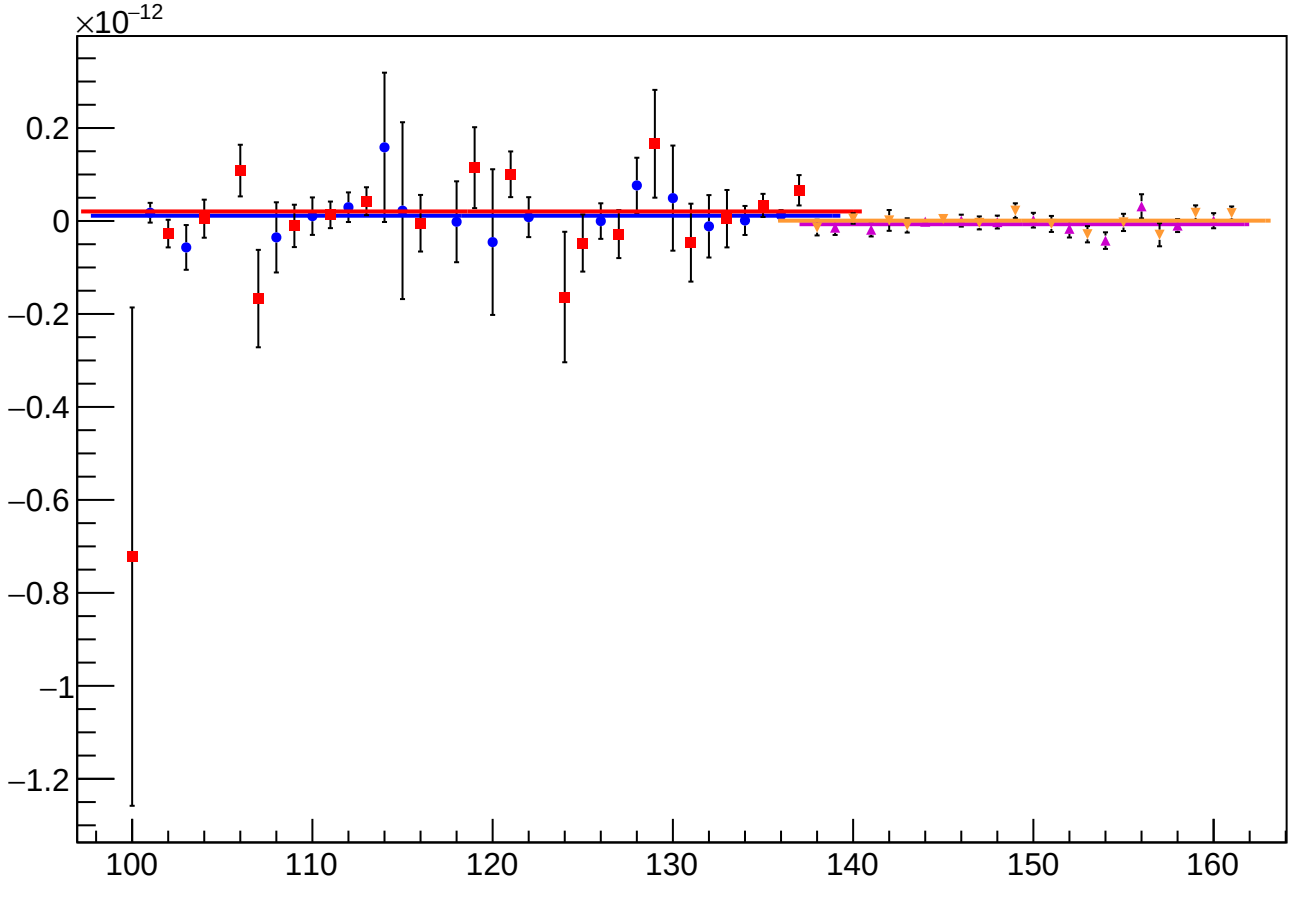
Left: 349.467+/-0.057 χ^2/NDF: 1572776.8/23

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 385.131+/-0.069 χ^2/NDF:2366806.9/26

Out: 386.397+/-0.067 χ^2/NDF:2633649.3/31

All: 385.781+/-0.048 χ^2/NDF: 5000627.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

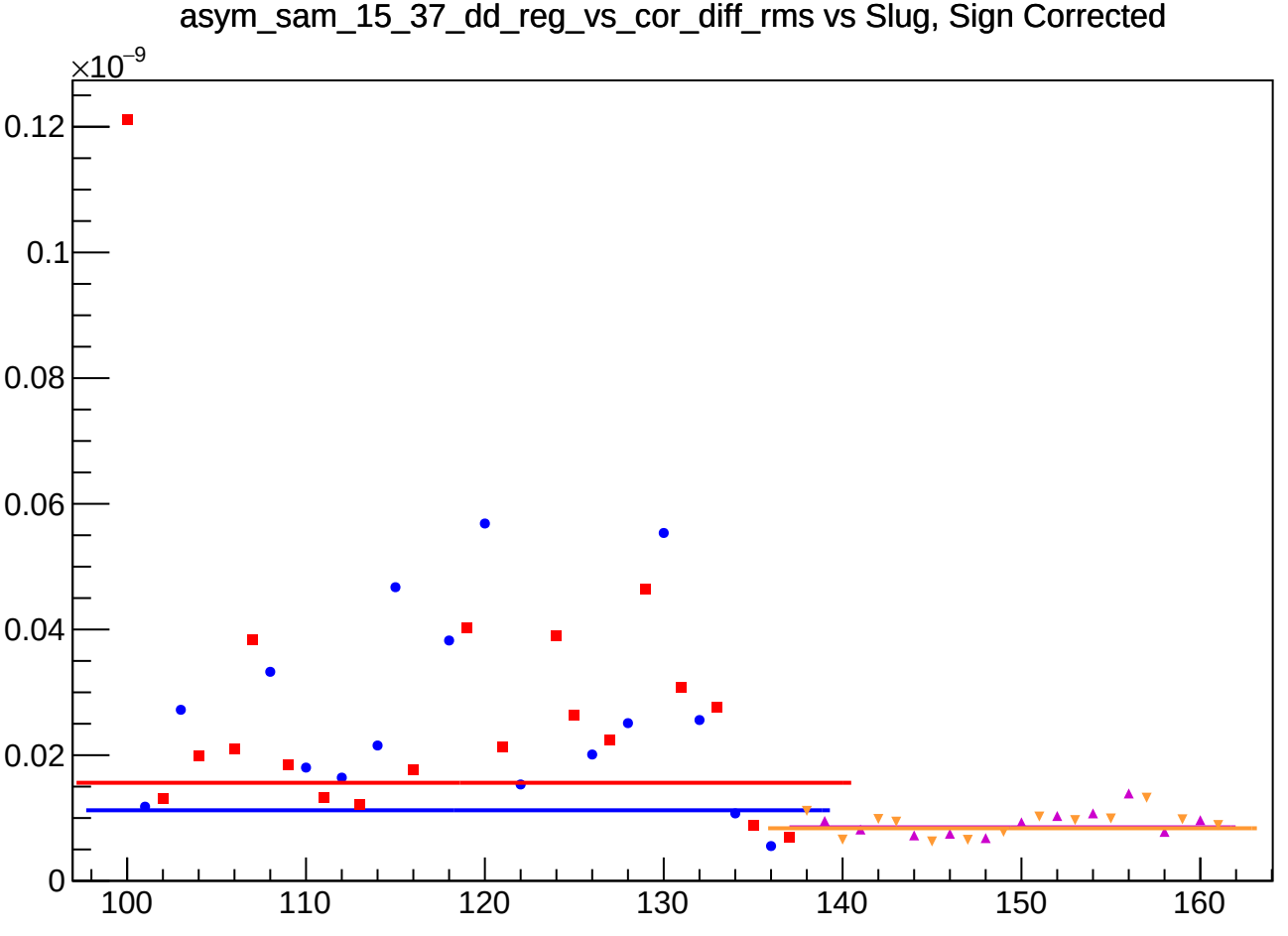
Left: -0.000+/-0.000 χ^2/NDF: 20.4/23

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:17.9/26

Out: 0.000+/-0.000 χ^2/NDF:37.2/31

All: 0.000+/-0.000 χ^2/NDF: 56.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:396173.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:237260.0/10

Left: 0.000+/-0.000 χ^2/NDF: 634637.9/23

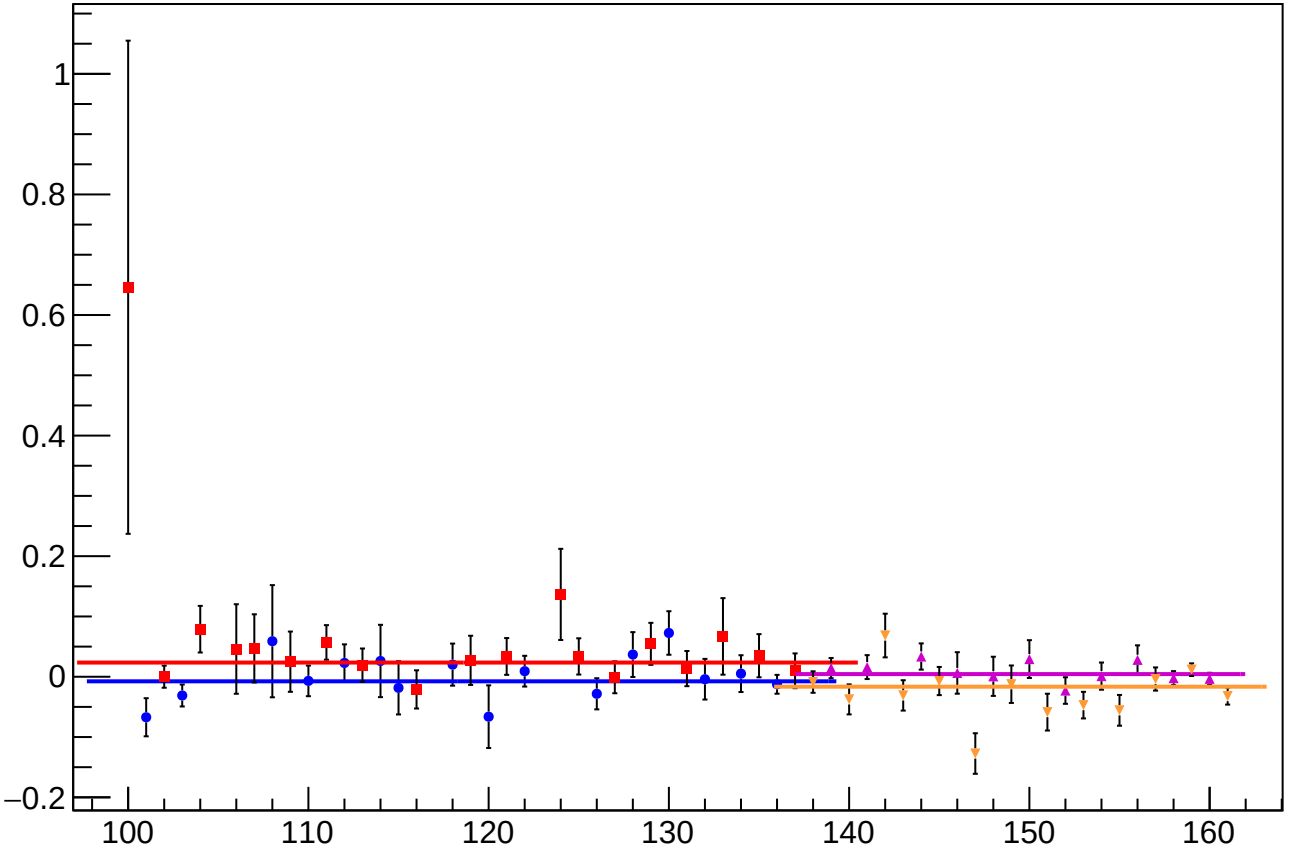
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2514896.8/26

Out: 0.000+/-0.000 χ^2/NDF:2434881.0/31

All: 0.000+/-0.000 χ^2/NDF: 4953201.1/58

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: -0.016+/-0.006 χ^2/NDF:32.9/12

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:6.6/10

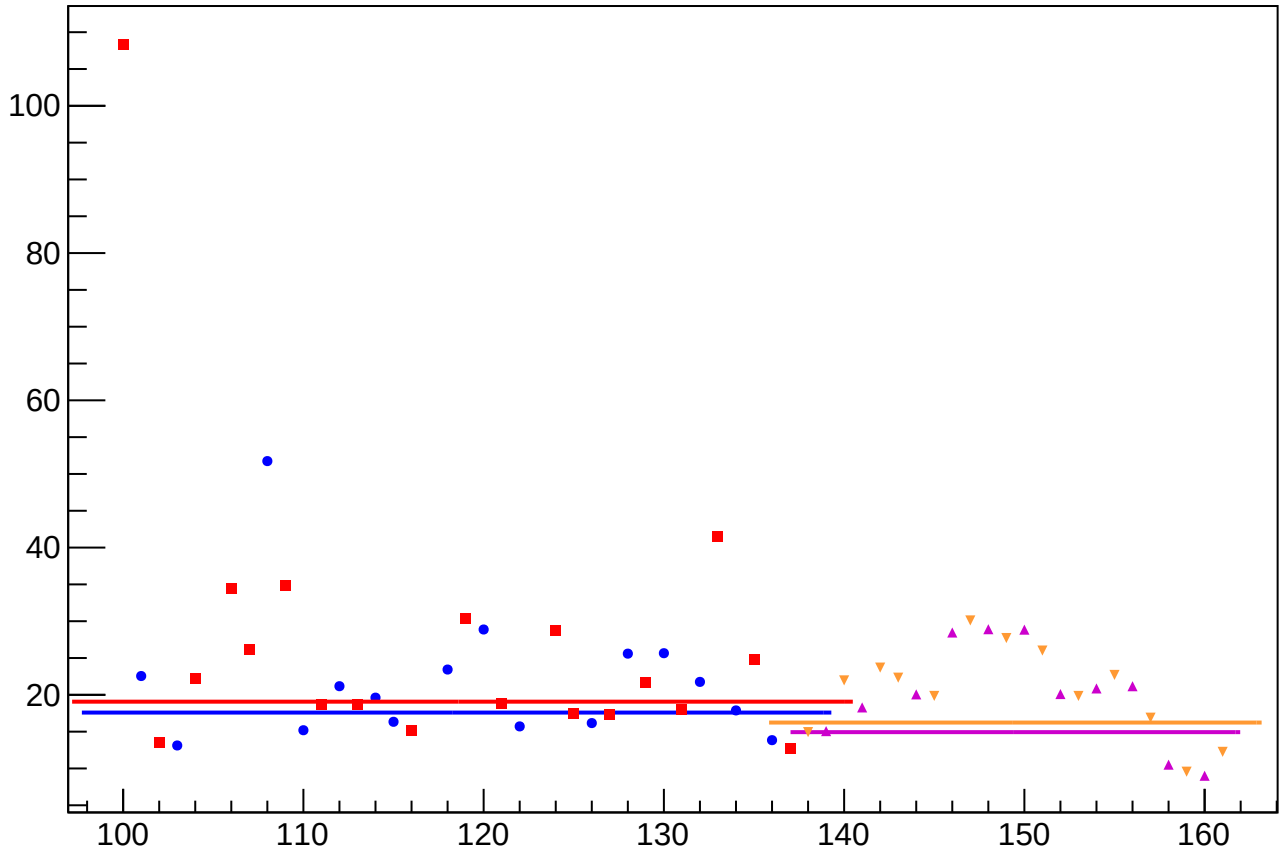
Left: -0.006+/-0.004 χ^2/NDF: 46.7/23

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: -0.003+/-0.005 χ^2/NDF:65.1/31

All: -0.001+/-0.003 χ^2/NDF: 90.5/58



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.236+/-0.004 χ^2/NDF:2339884.3/12

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

Left: 15.566+/-0.003 χ^2/NDF: 5012065.1/23

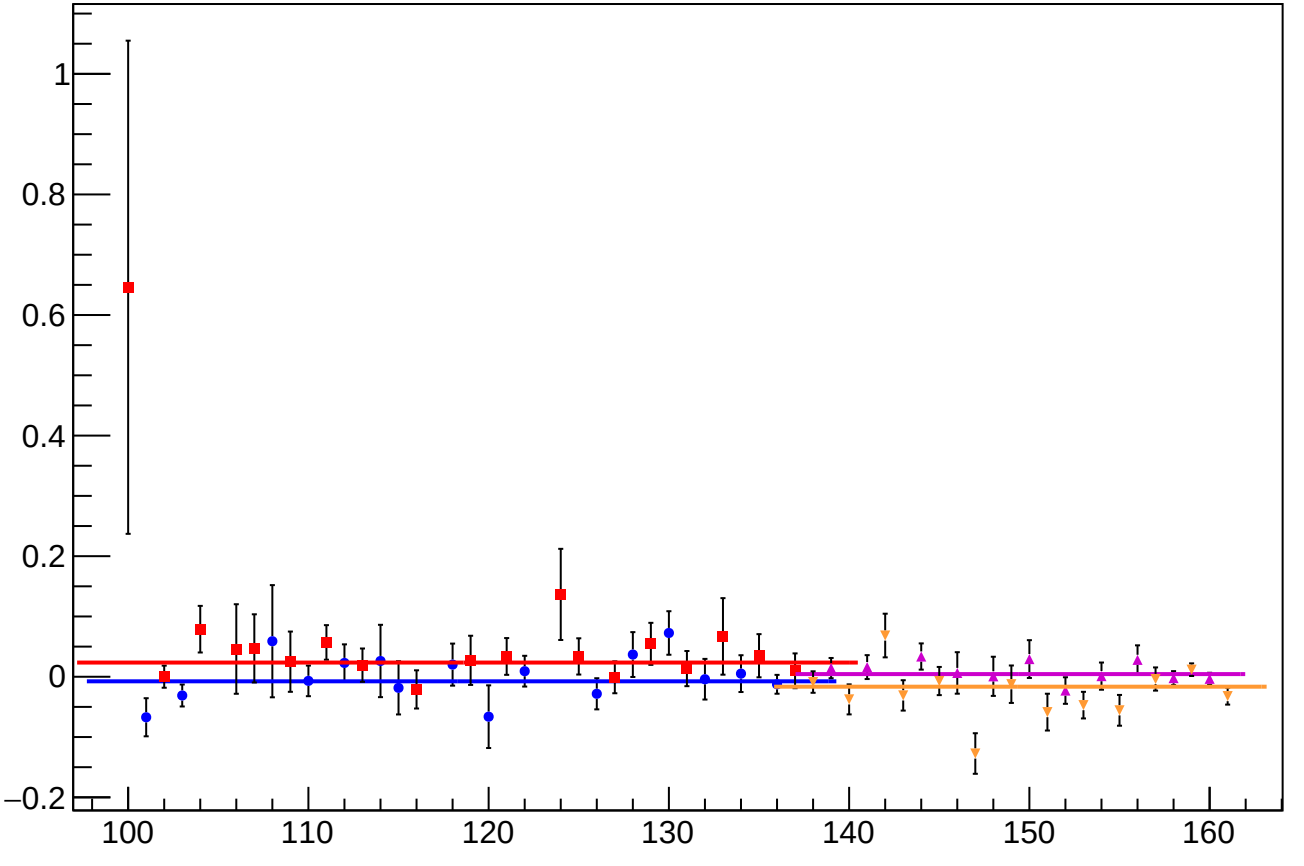
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.892+/-0.003 χ^2/NDF:3783299.8/26

Out: 17.200+/-0.003 χ^2/NDF:3764951.7/31

All: 16.518+/-0.002 χ^2/NDF: 7635838.9/58

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: -0.016+/-0.006 χ^2/NDF:32.9/12

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.006+/-0.004 χ^2/NDF: 46.7/23

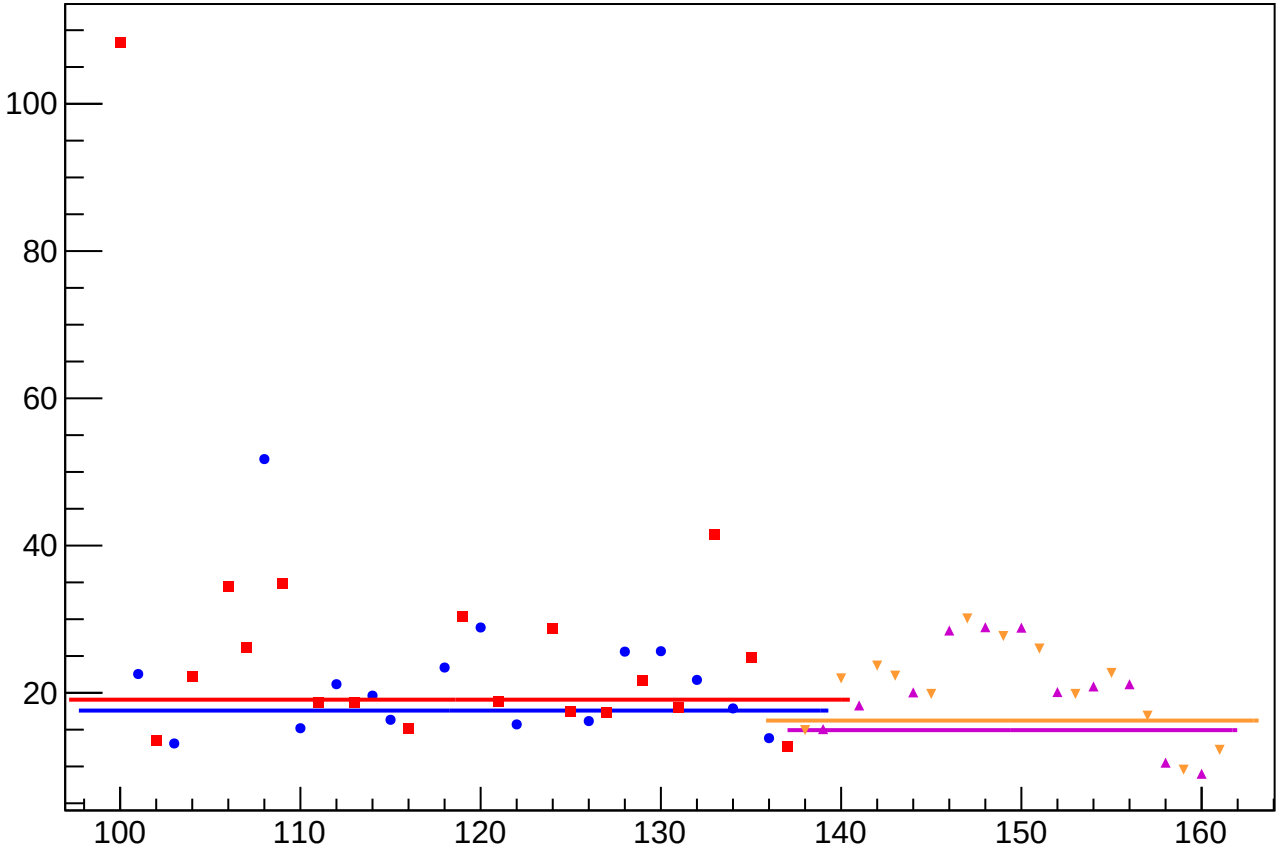
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: -0.003+/-0.005 χ^2/NDF:65.1/31

All: -0.001+/-0.003 χ^2/NDF: 90.5/58

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.236+/-0.004 χ^2/NDF:2339884.3/12

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

Left: 15.566+/-0.003 χ^2/NDF: 5012065.1/23

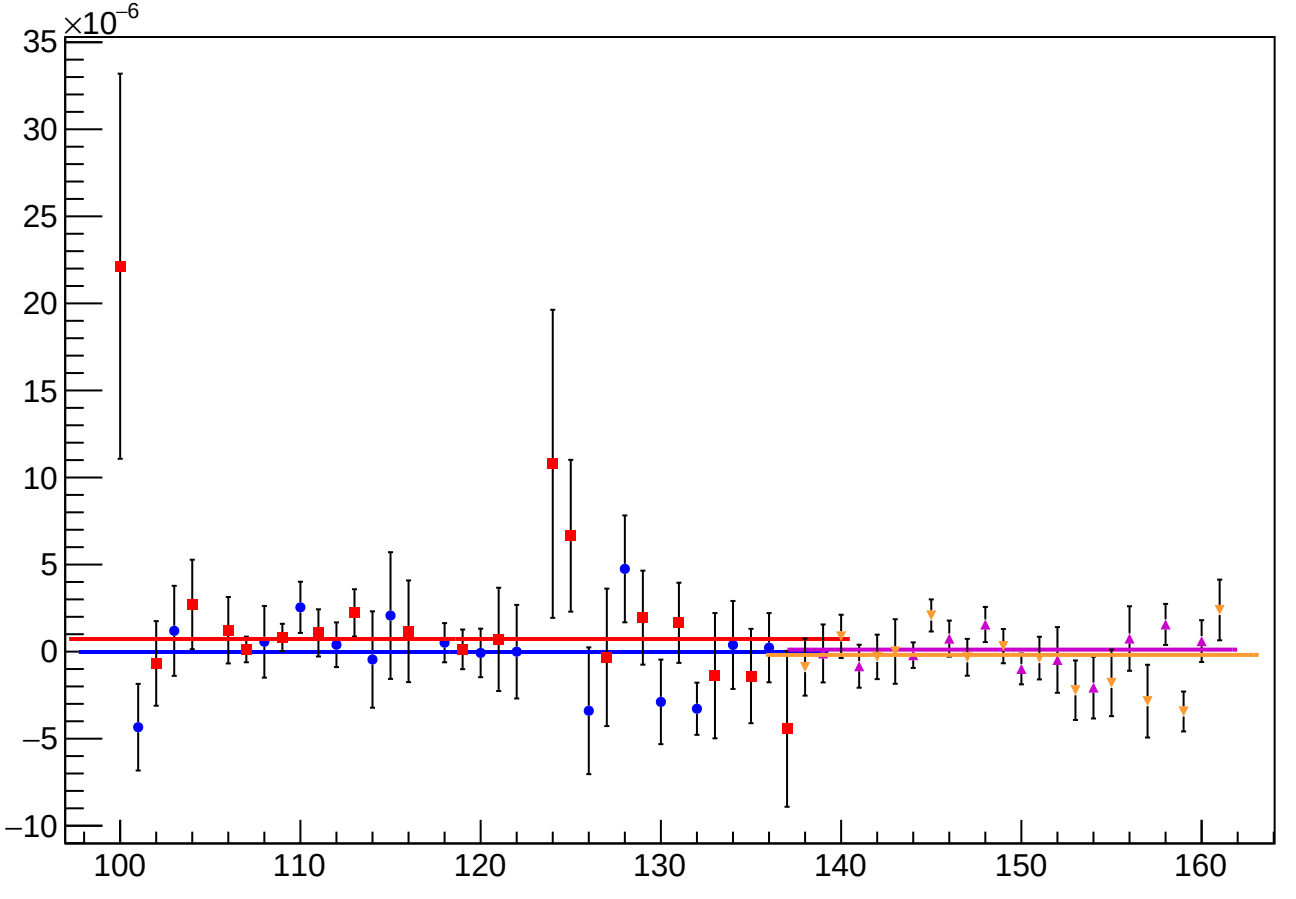
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.892+/-0.003 χ^2/NDF:3783299.8/26

Out: 17.200+/-0.003 χ^2/NDF:3764951.7/31

All: 16.518+/-0.002 χ^2/NDF: 7635838.9/58

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:21.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/10

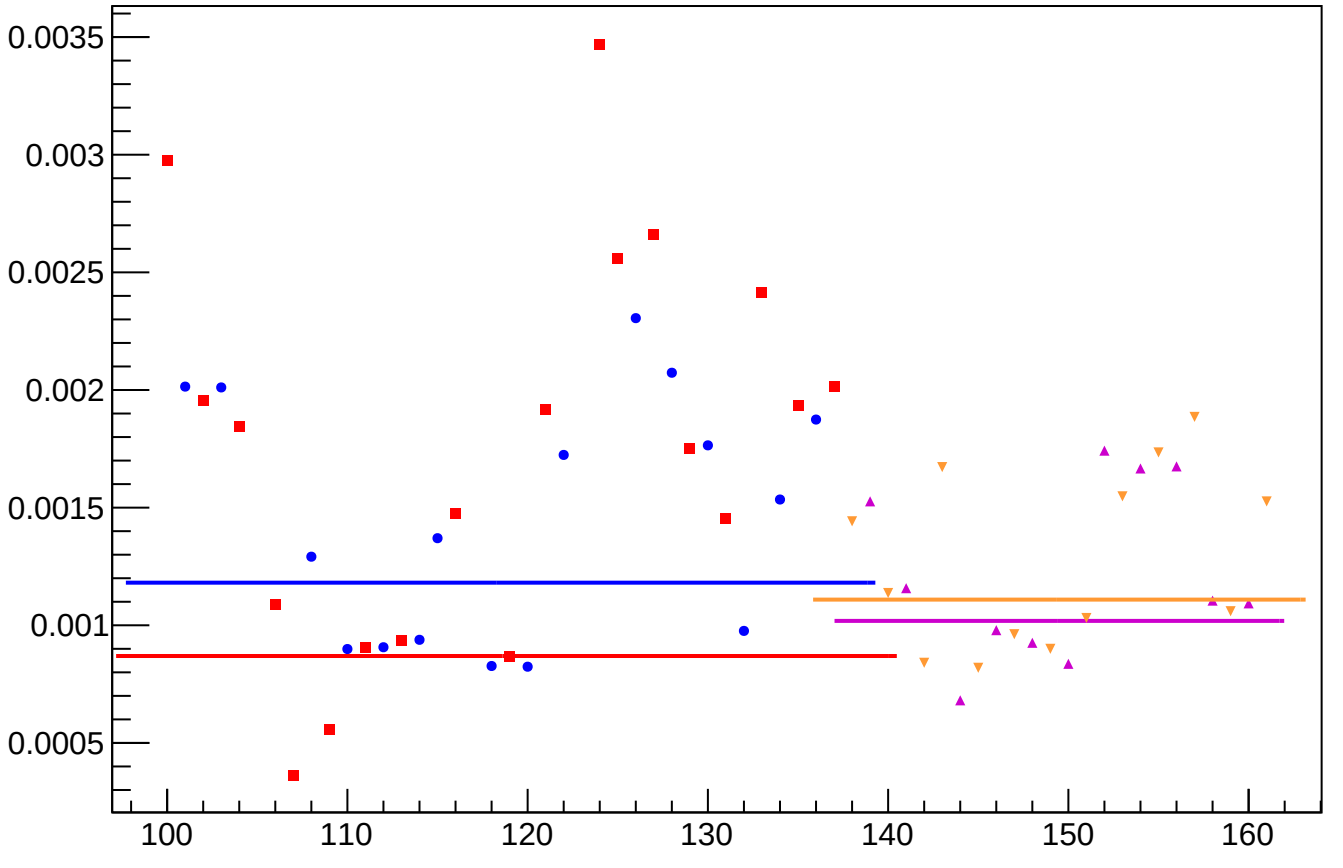
Left: -0.000+/-0.000 χ^2/NDF: 29.8/23

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:24.7/26

Out: 0.000+/-0.000 χ^2/NDF:37.2/31

All: 0.000+/-0.000 χ^2/NDF: 62.1/58



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1431766.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1569180.7/10

Left: 0.001+/-0.000 χ^2/NDF: 3066270.2/23

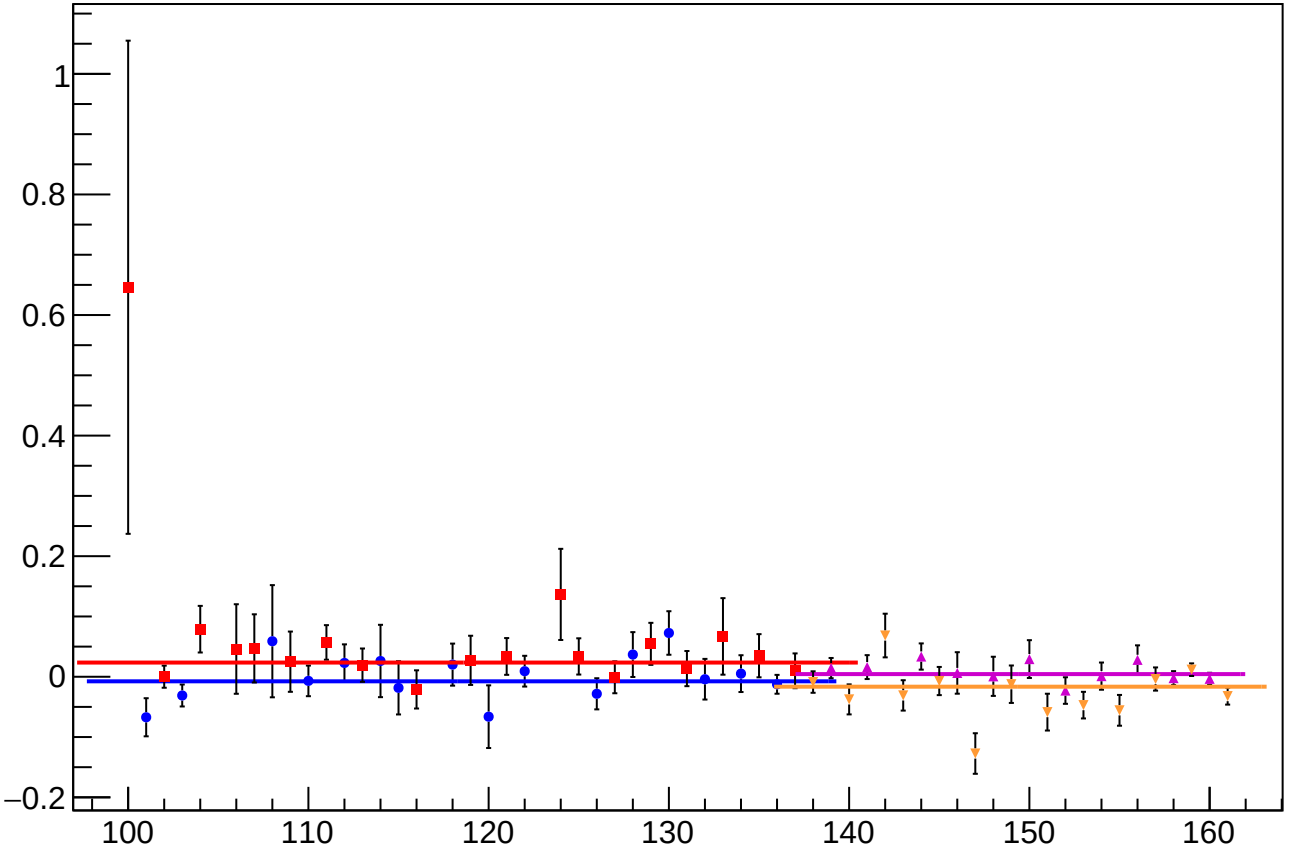
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3551348.7/26

Out: 0.001+/-0.000 χ^2/NDF:6282839.3/31

All: 0.001+/-0.000 χ^2/NDF: 9920989.1/58

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: -0.016+/-0.006 χ^2/NDF:32.9/12

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.006+/-0.004 χ^2/NDF: 46.7/23

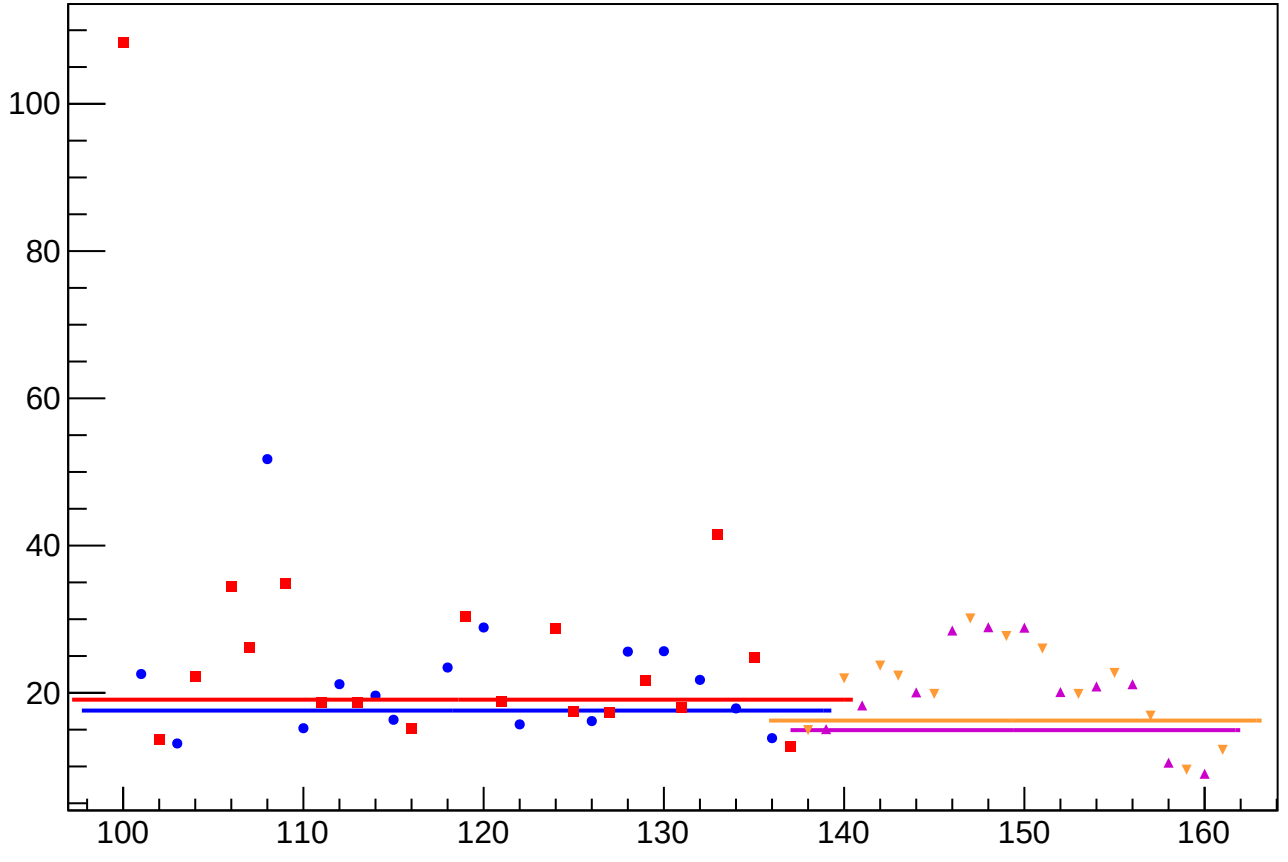
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: -0.003+/-0.005 χ^2/NDF:65.1/31

All: -0.001+/-0.003 χ^2/NDF: 90.5/58

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.235+/-0.004 χ^2/NDF:2340174.8/12

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.932+/-0.004 χ^2/NDF:2616056.7/10

Left: 15.566+/-0.003 χ^2/NDF: 5012694.8/23

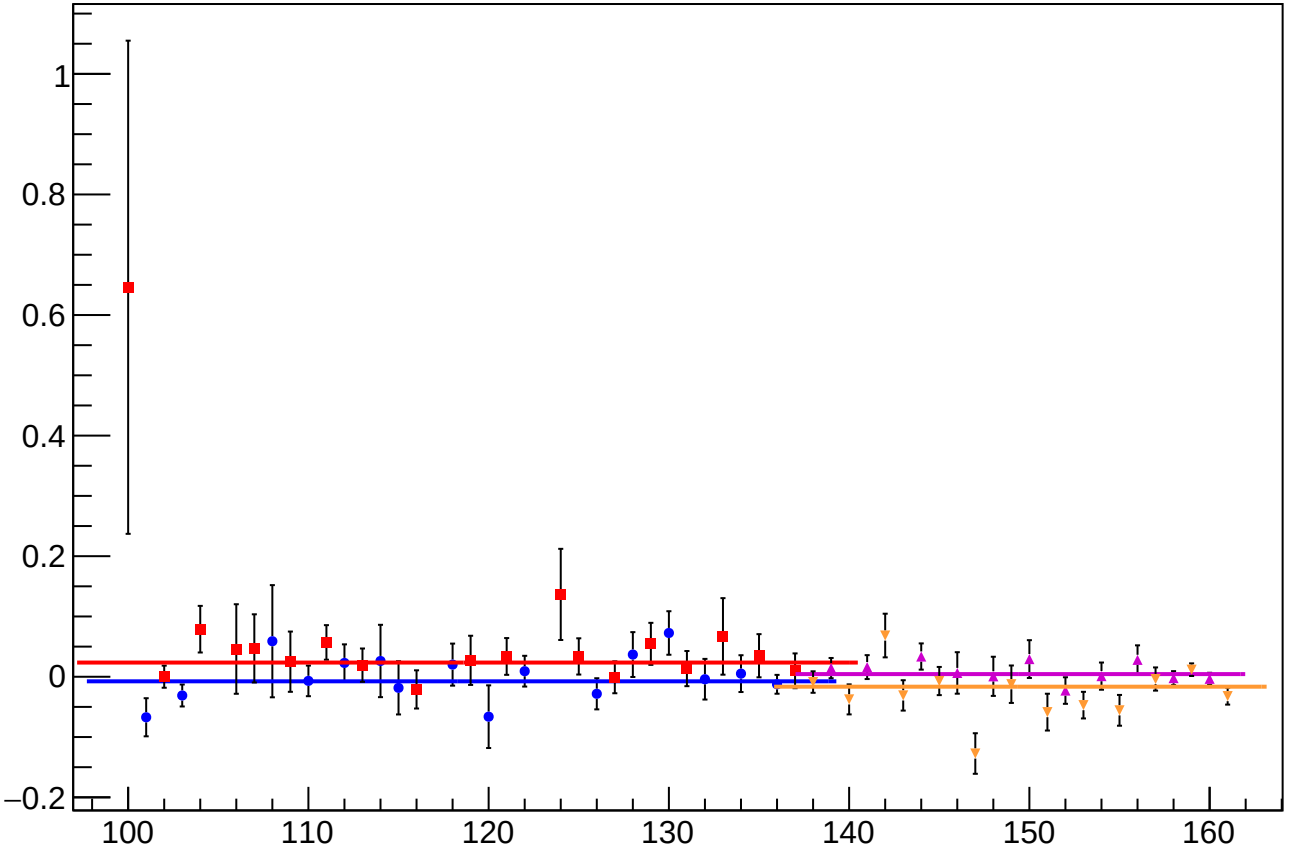
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.891+/-0.003 χ^2/NDF:3783734.3/26

Out: 17.200+/-0.003 χ^2/NDF:3765249.3/31

All: 16.518+/-0.002 χ^2/NDF: 7636591.4/58

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: -0.016+/-0.006 χ^2/NDF:32.9/12

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:6.6/10

Left: -0.006+/-0.004 χ^2/NDF: 46.7/23

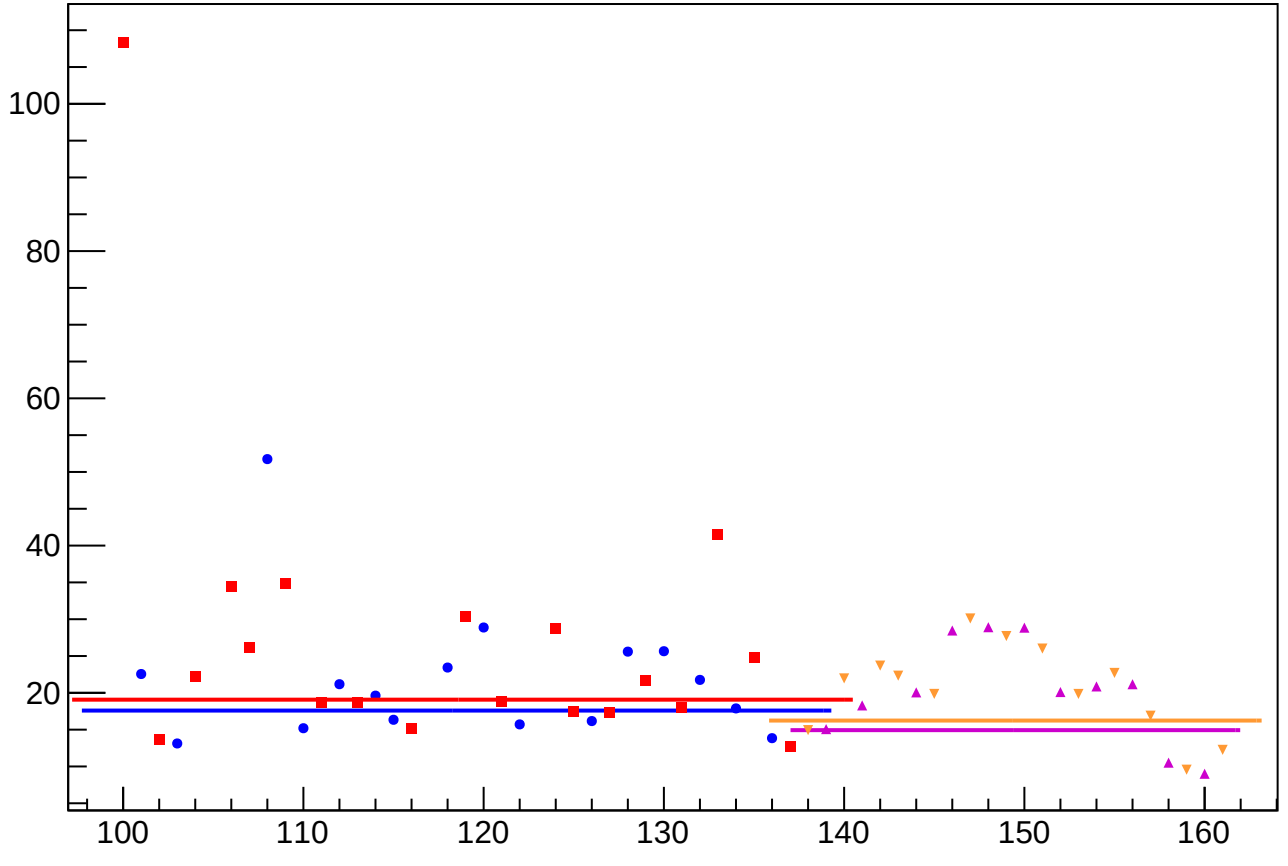
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.004 χ^2/NDF:25.1/26

Out: -0.003+/-0.005 χ^2/NDF:65.1/31

All: -0.001+/-0.003 χ^2/NDF: 90.5/58

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.235+/-0.004 χ^2/NDF:2340174.8/12

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.932+/-0.004 χ^2/NDF:2616056.7/10

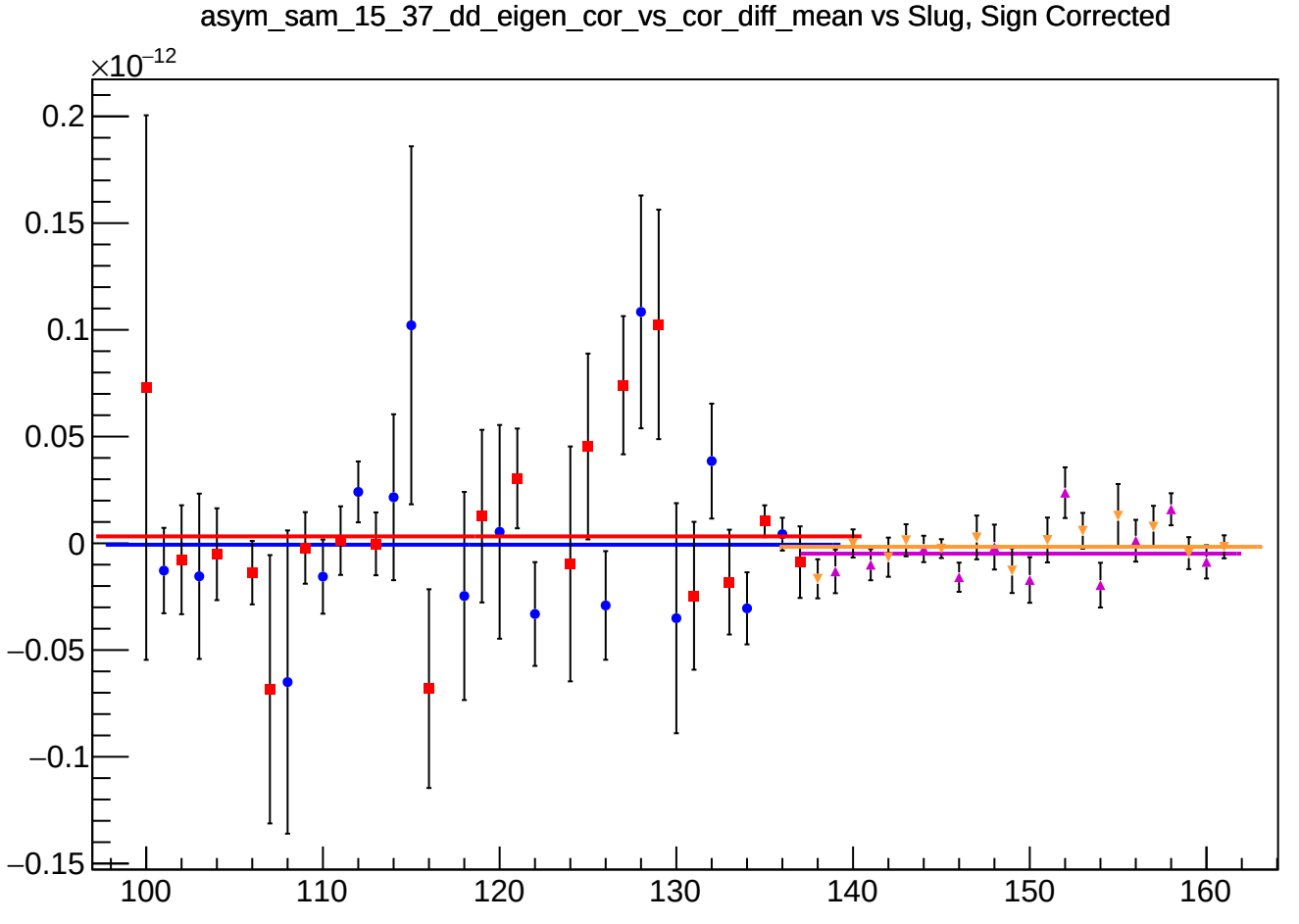
Left: 15.566+/-0.003 χ^2/NDF: 5012694.8/23

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.891+/-0.003 χ^2/NDF:3783734.3/26

Out: 17.200+/-0.003 χ^2/NDF:3765249.3/31

All: 16.518+/-0.002 χ^2/NDF: 7636591.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/10

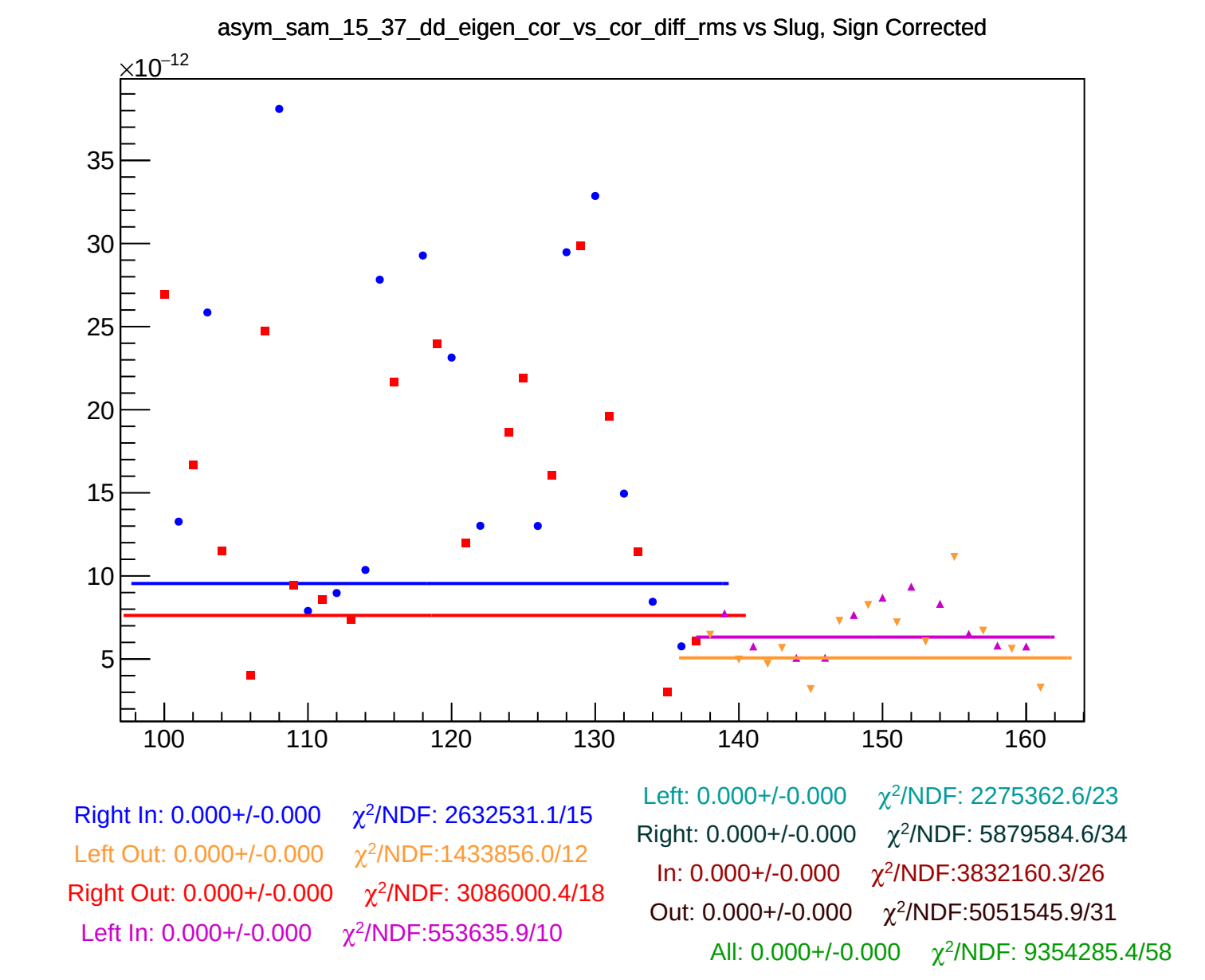
Left: -0.000+/-0.000 χ^2/NDF: 29.8/23

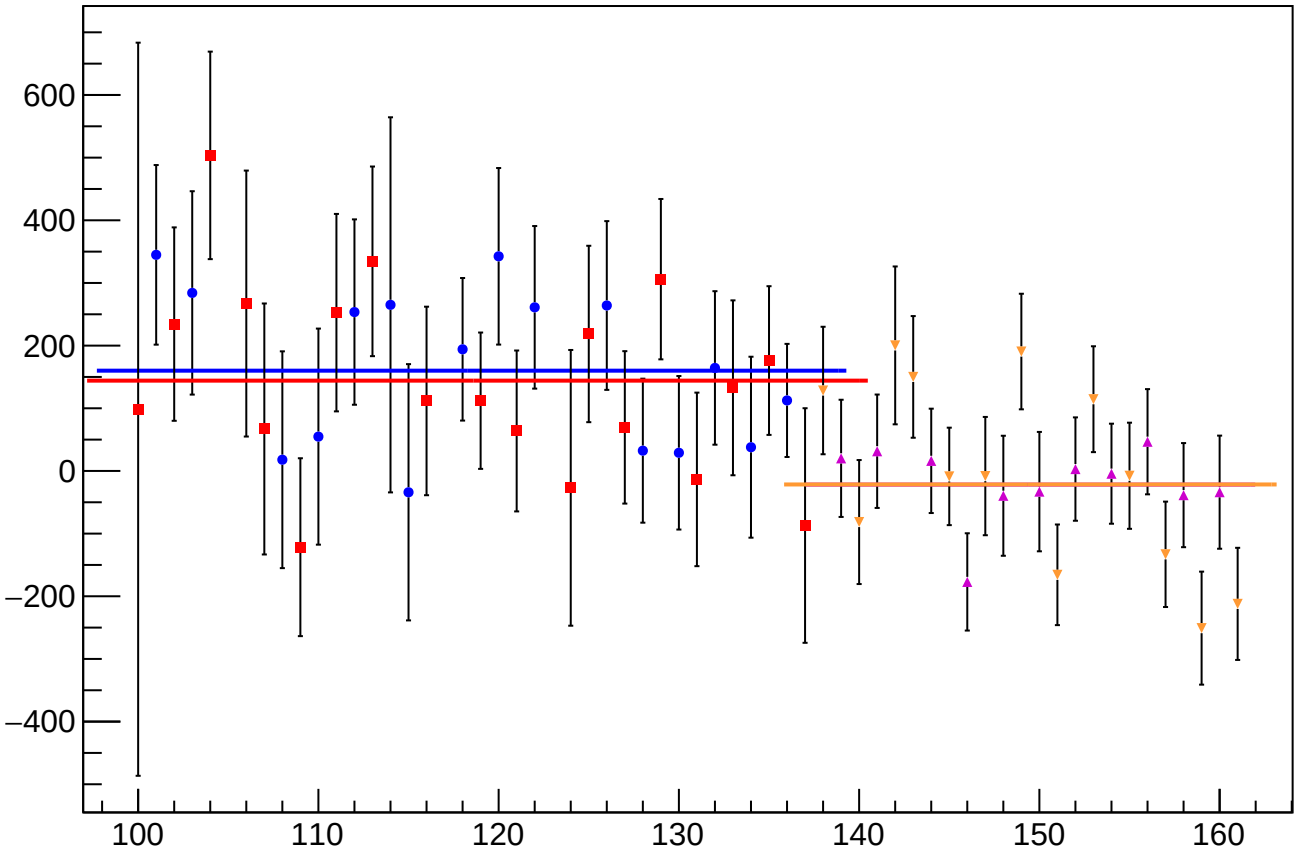
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:42.2/26

Out: -0.000+/-0.000 χ^2/NDF:27.6/31

All: -0.000+/-0.000 χ^2/NDF: 71.0/58


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1433856.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:553635.9/10
Left: 0.000+/-0.000 χ²/NDF: 2275362.6/23
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3832160.3/26
Out: 0.000+/-0.000 χ²/NDF:5051545.9/31
All: 0.000+/-0.000 χ²/NDF: 9354285.4/58



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.572+/-25.103 χ^2/NDF:32.7/12

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -21.812+/-26.000 χ^2/NDF:5.7/10

Left: -21.688+/-18.059 χ^2/NDF: 38.4/23

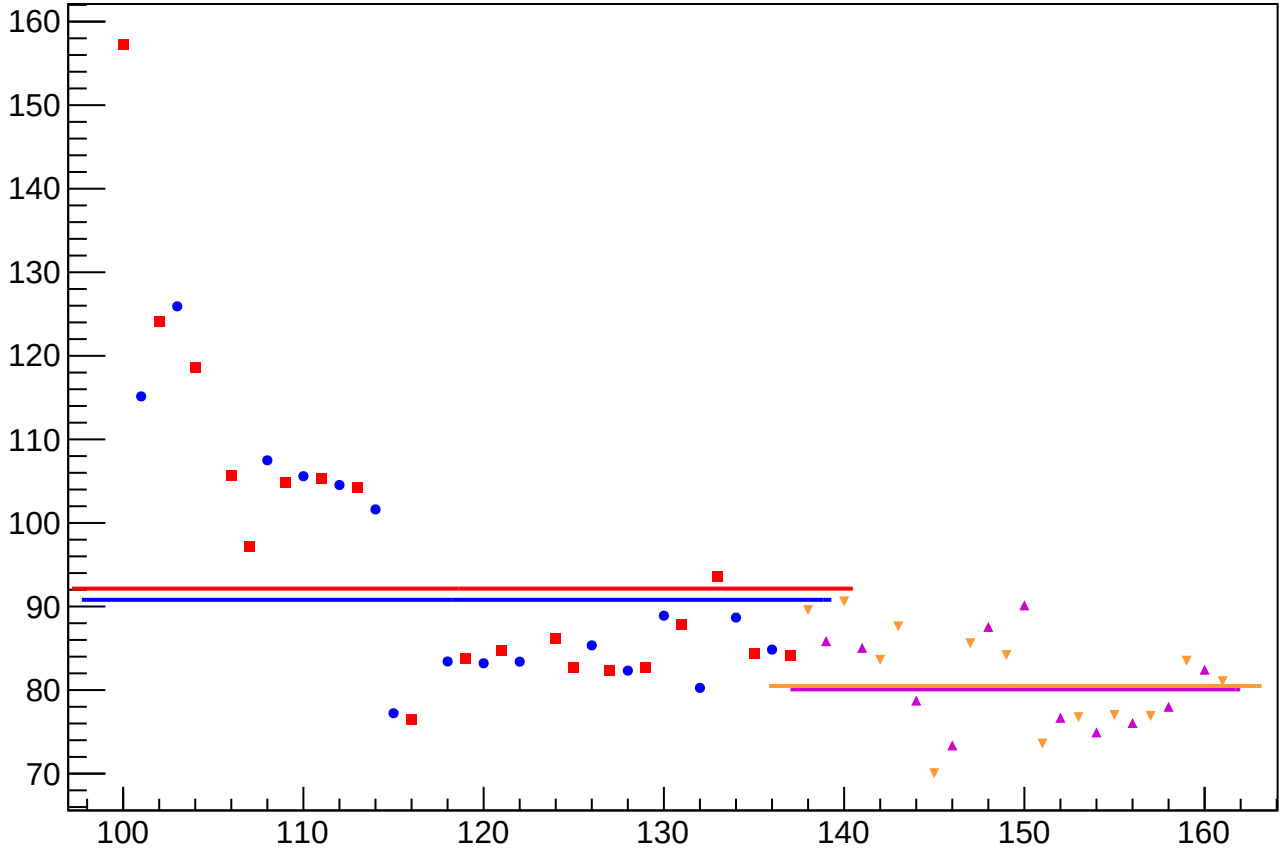
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 44.863+/-20.691 χ^2/NDF:34.7/26

Out: 36.410+/-20.239 χ^2/NDF:65.4/31

All: 40.543+/-14.468 χ^2/NDF: 100.1/58

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

Left: 80.292+/-0.013 χ^2/NDF: 204832.4/23

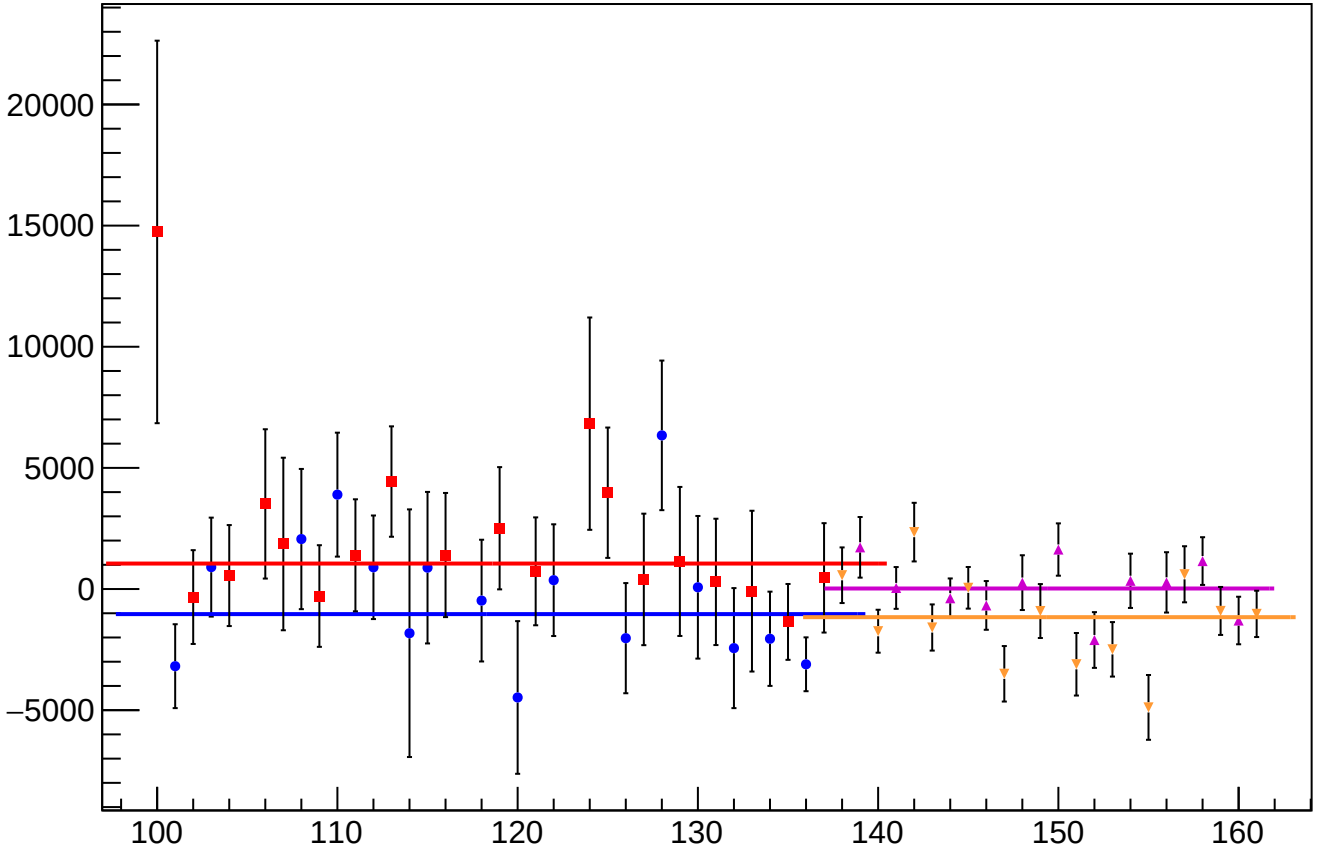
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 84.013+/-0.015 χ^2/NDF:479911.1/26

Out: 84.566+/-0.014 χ^2/NDF:574943.9/31

All: 84.296+/-0.010 χ^2/NDF: 1055585.2/58

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: -1161.541+/-294.228 χ^2/NDF:31.4/12

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 21.815+/-310.398 χ^2/NDF:11.5/10

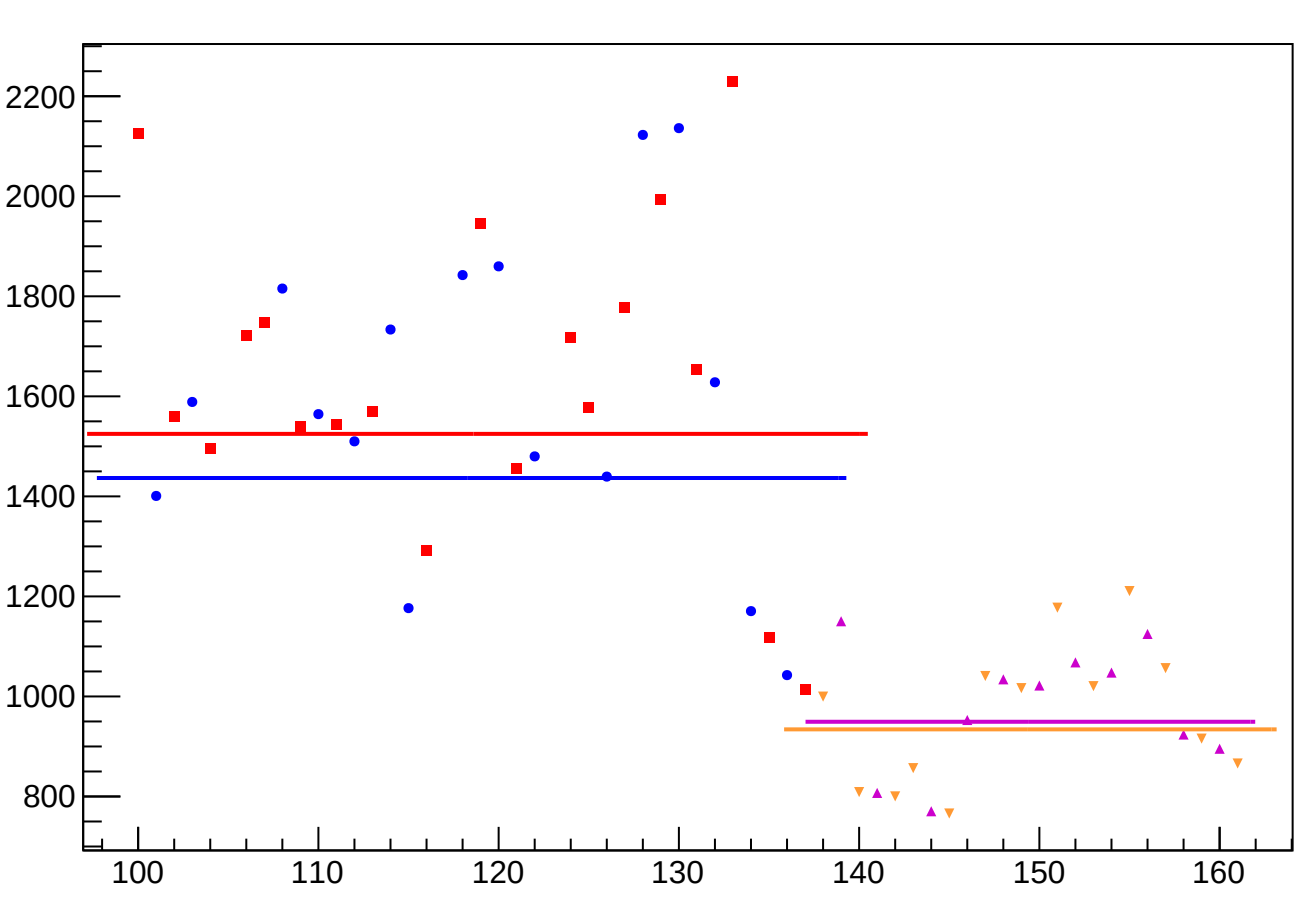
Left: -601.487+/-213.538 χ^2/NDF: 50.5/23

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -233.335+/-270.345 χ^2/NDF:34.5/26

Out: -694.553+/-261.348 χ^2/NDF:56.2/31

All: -471.746+/-187.901 χ^2/NDF: 92.2/58



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 934.189+/-0.208 χ^2/NDF:390878.6/12

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 949.381+/-0.219 χ^2/NDF:306170.2/10

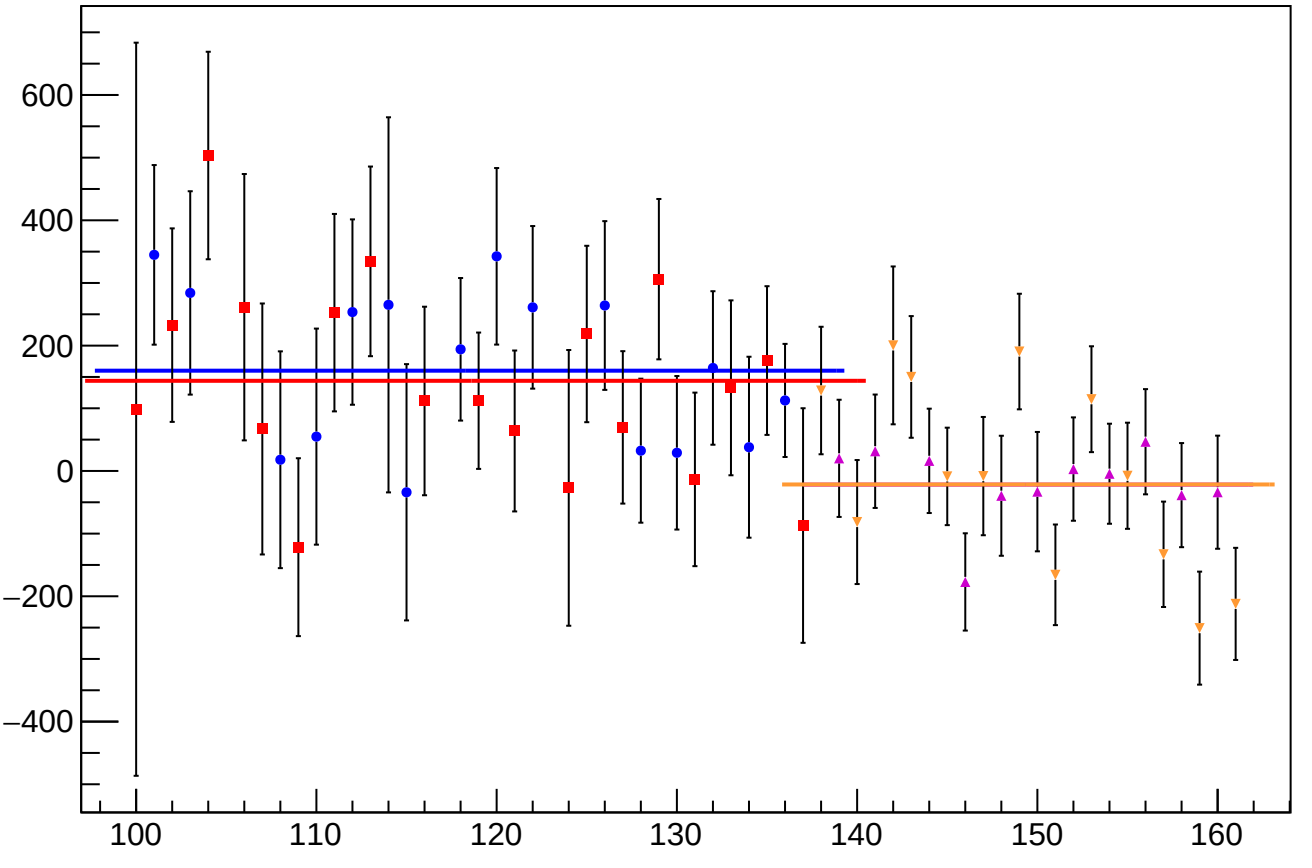
Left: 941.379+/-0.151 χ^2/NDF: 699572.4/23

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1067.041+/-0.191 χ^2/NDF:2172160.8/26

Out: 1058.849+/-0.185 χ^2/NDF:2596840.2/31

All: 1062.806+/-0.133 χ^2/NDF: 4769950.1/58



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.568+/-25.103 χ^2/NDF:32.7/12

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -21.813+/-26.000 χ^2/NDF:5.7/10

Left: -21.686+/-18.059 χ^2/NDF: 38.4/23

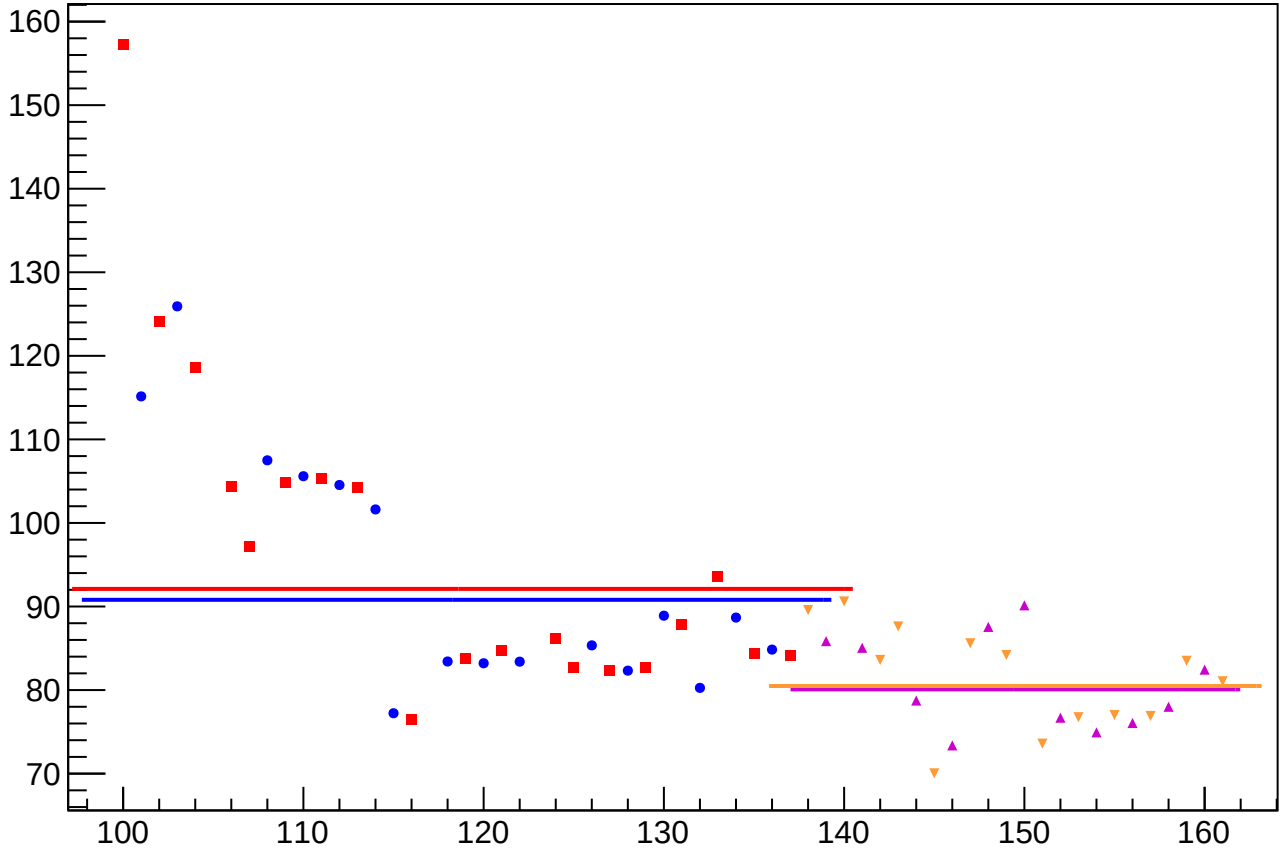
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 44.861+/-20.691 χ^2/NDF:34.7/26

Out: 36.319+/-20.240 χ^2/NDF:65.3/31

All: 40.496+/-14.469 χ^2/NDF: 100.0/58

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

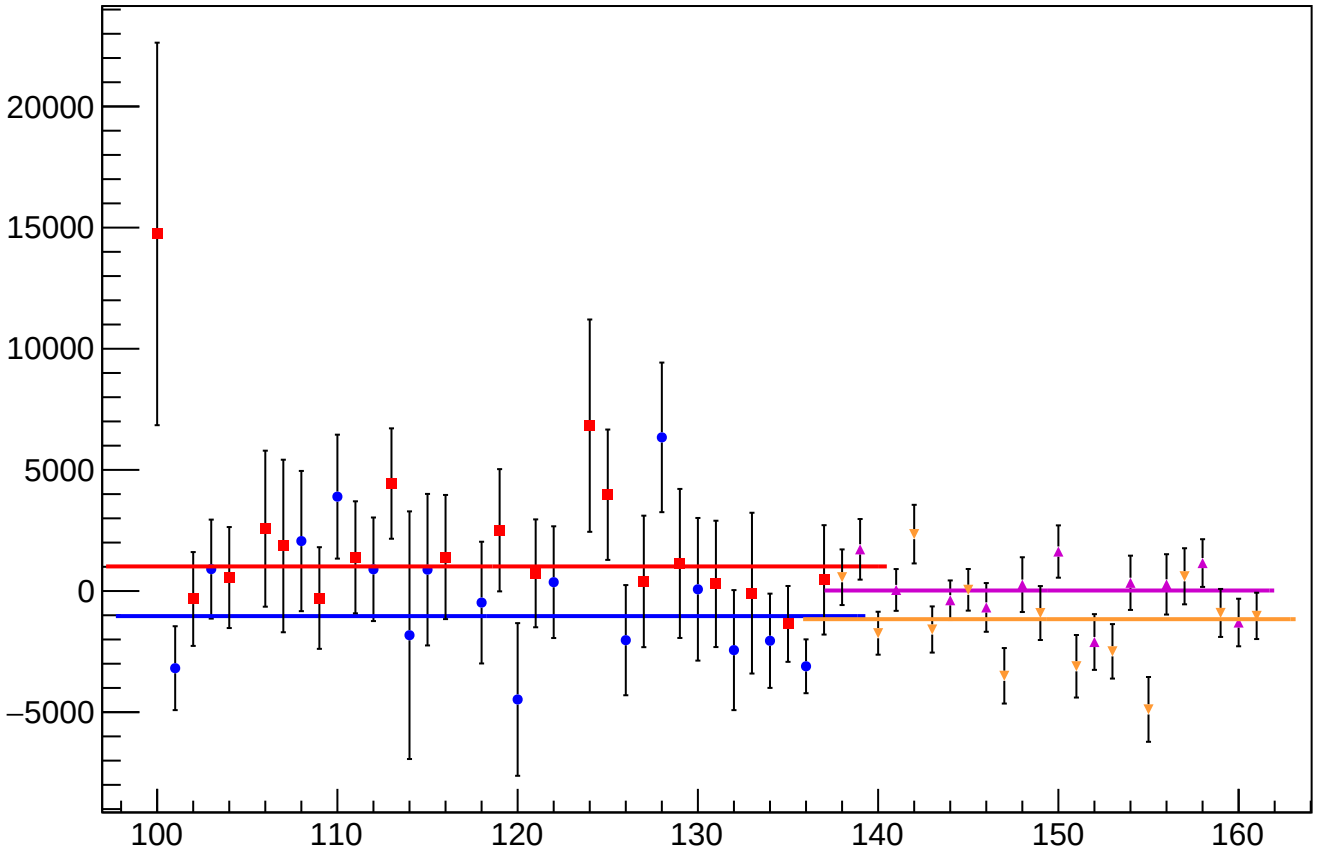
Left: 80.292+/-0.013 χ^2/NDF: 204832.4/23

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.013+/-0.015 χ^2/NDF:479913.1/26

Out: 84.554+/-0.014 χ^2/NDF:572812.3/31

All: 84.289+/-0.010 χ^2/NDF: 1053424.3/58



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1161.534+/-294.228 χ^2/NDF:31.4/12

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 21.819+/-310.398 χ^2/NDF:11.5/10

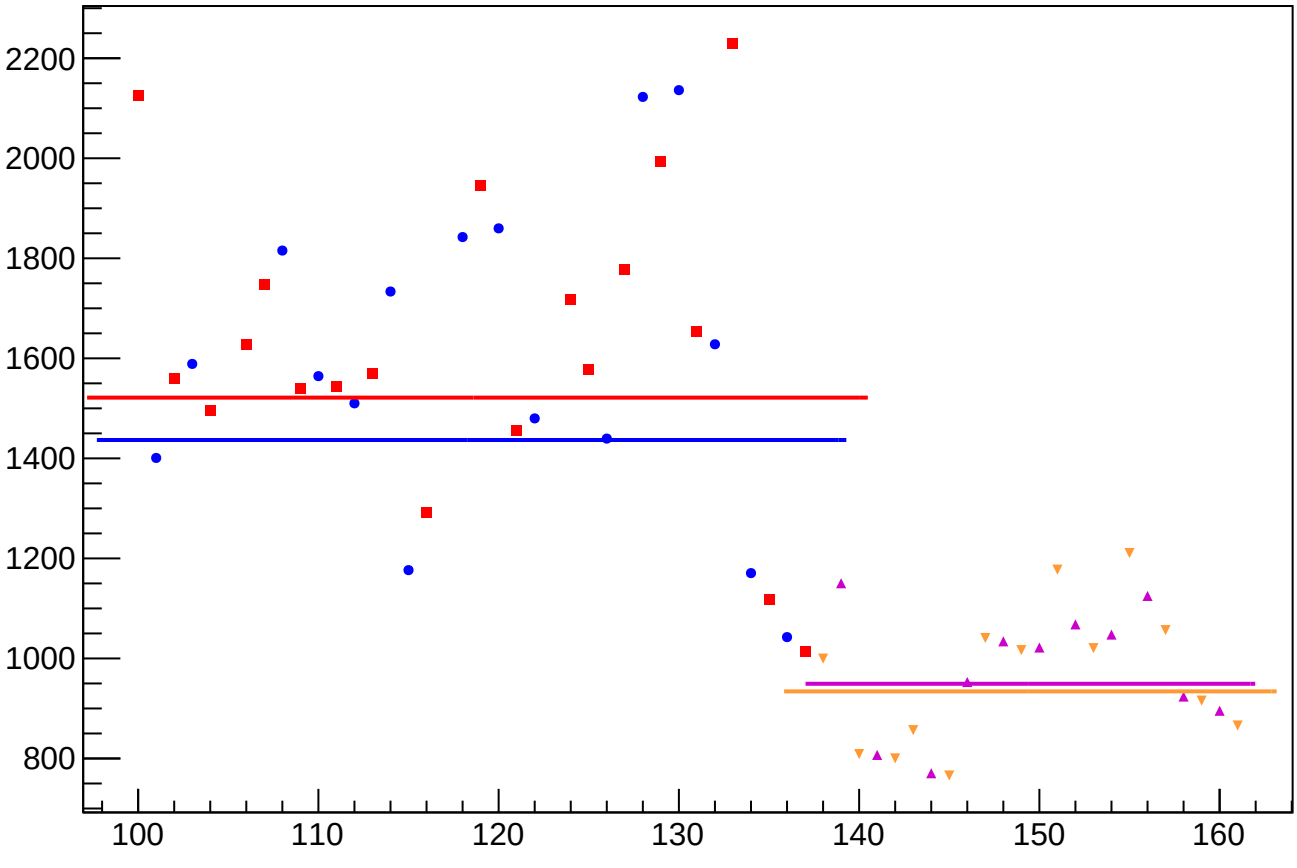
Left: -601.482+/-213.538 χ^2/NDF: 50.5/23

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -233.325+/-270.345 χ^2/NDF:34.5/26

Out: -703.238+/-261.429 χ^2/NDF:55.4/31

All: -476.158+/-187.931 χ^2/NDF: 91.5/58



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.189+/-0.208 χ^2/NDF:390879.6/12

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

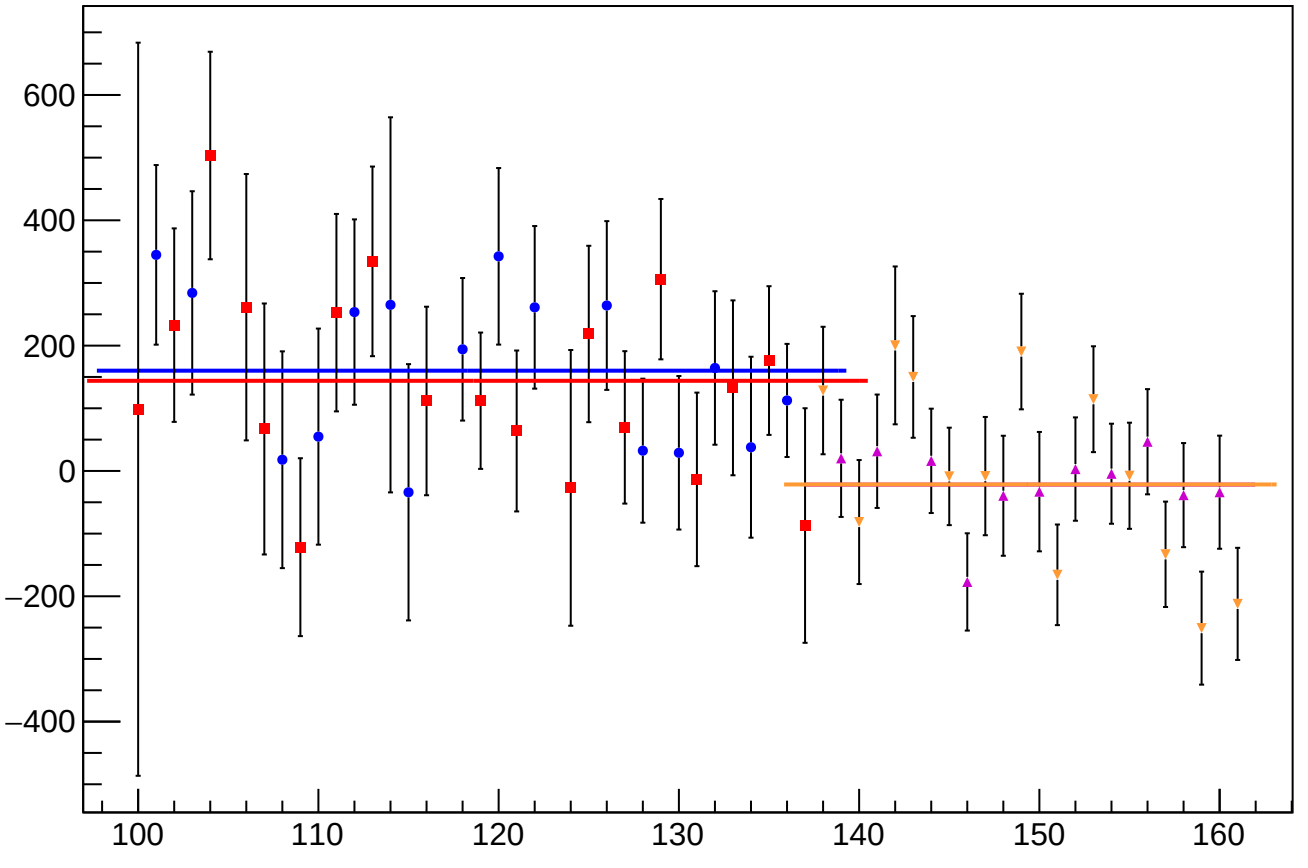
Left: 941.379+/-0.151 χ^2/NDF: 699573.3/23

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1067.041+/-0.191 χ^2/NDF:2172179.7/26

Out: 1057.832+/-0.185 χ^2/NDF:2566873.6/31

All: 1062.282+/-0.133 χ^2/NDF: 4740252.8/58



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.568+/-25.103 χ^2/NDF:32.7/12

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -21.813+/-26.000 χ^2/NDF:5.7/10

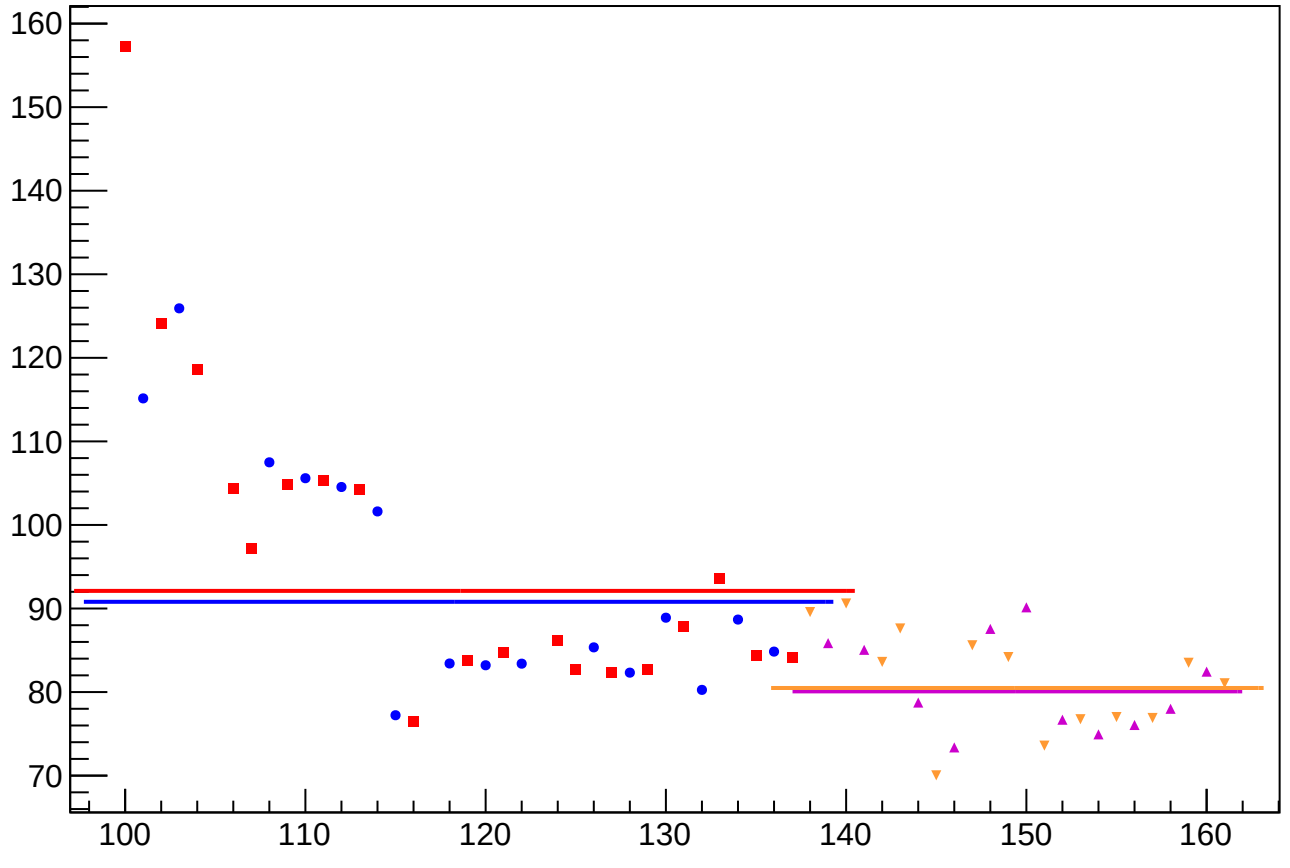
Left: -21.686+/-18.059 χ^2/NDF: 38.4/23

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 44.861+/-20.691 χ^2/NDF:34.7/26

Out: 36.319+/-20.240 χ^2/NDF:65.3/31

All: 40.496+/-14.469 χ^2/NDF: 100.0/58



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

Left: 80.292+/-0.013 χ^2/NDF: 204832.4/23

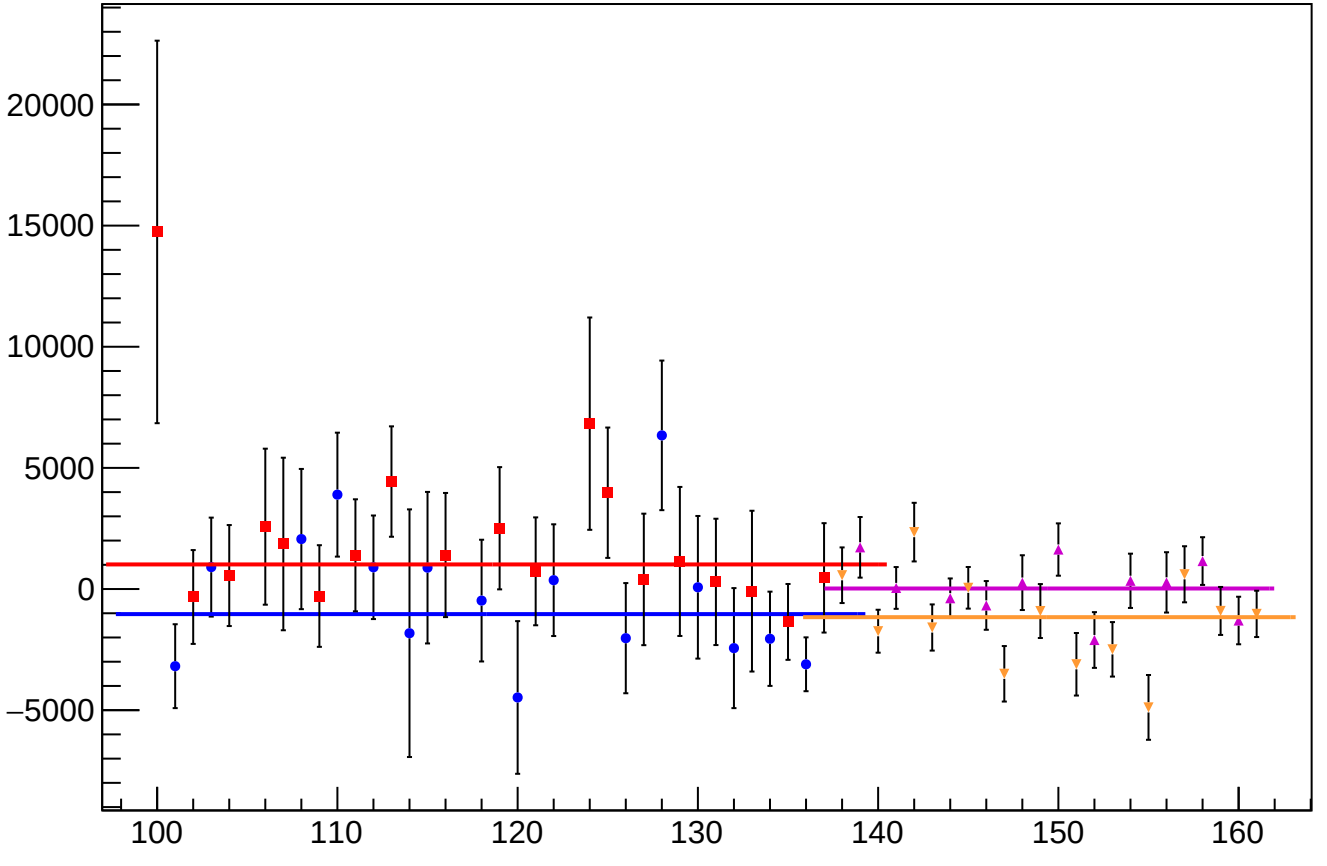
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 84.013+/-0.015 χ^2/NDF:479913.1/26

Out: 84.554+/-0.014 χ^2/NDF:572812.3/31

All: 84.289+/-0.010 χ^2/NDF: 1053424.3/58

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1161.534+/-294.228 χ^2/NDF:31.4/12

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 21.819+/-310.398 χ^2/NDF:11.5/10

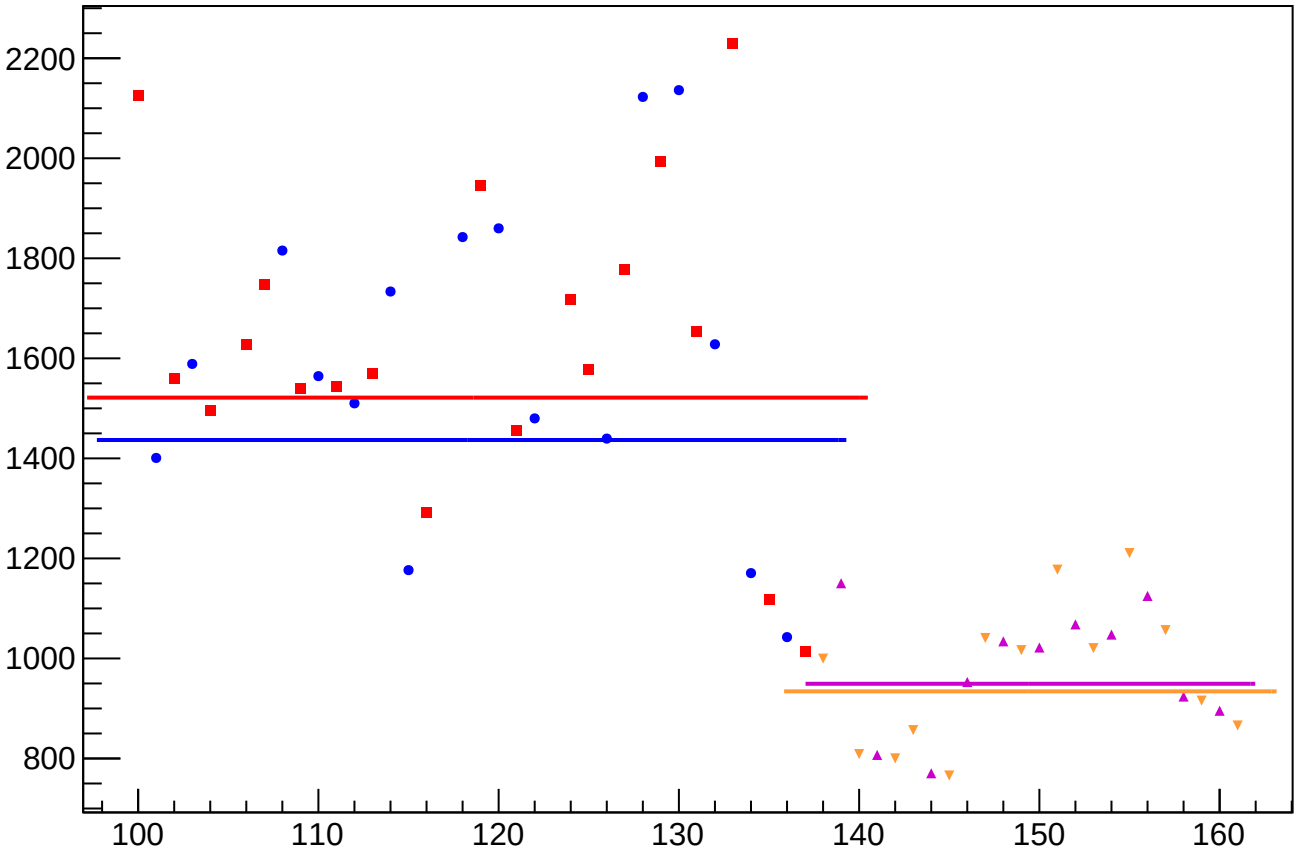
Left: -601.482+/-213.538 χ^2/NDF: 50.5/23

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -233.325+/-270.345 χ^2/NDF:34.5/26

Out: -703.238+/-261.429 χ^2/NDF:55.4/31

All: -476.158+/-187.931 χ^2/NDF: 91.5/58



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.189+/-0.208 χ^2/NDF:390879.6/12

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

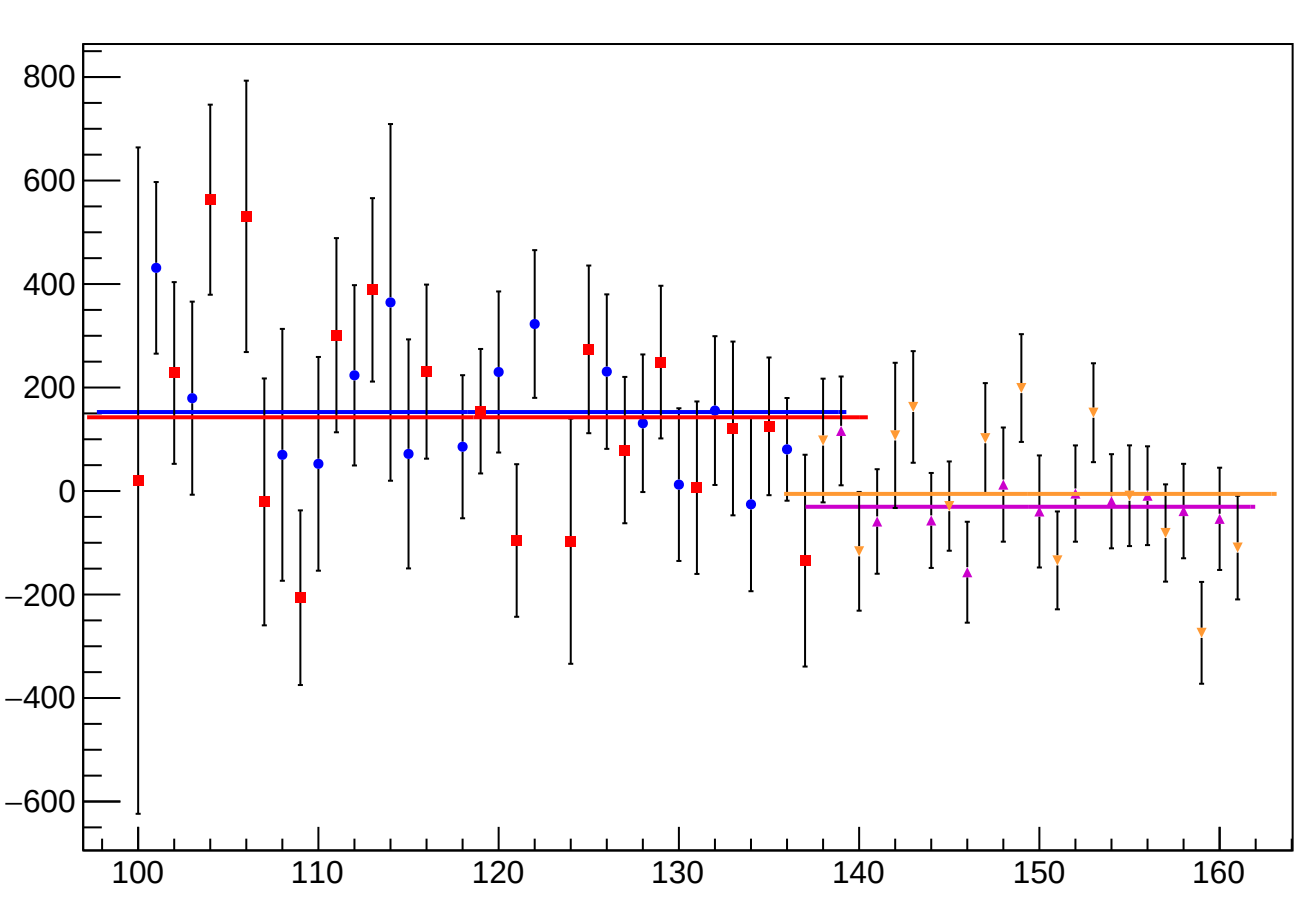
Left: 941.379+/-0.151 χ^2/NDF: 699573.3/23

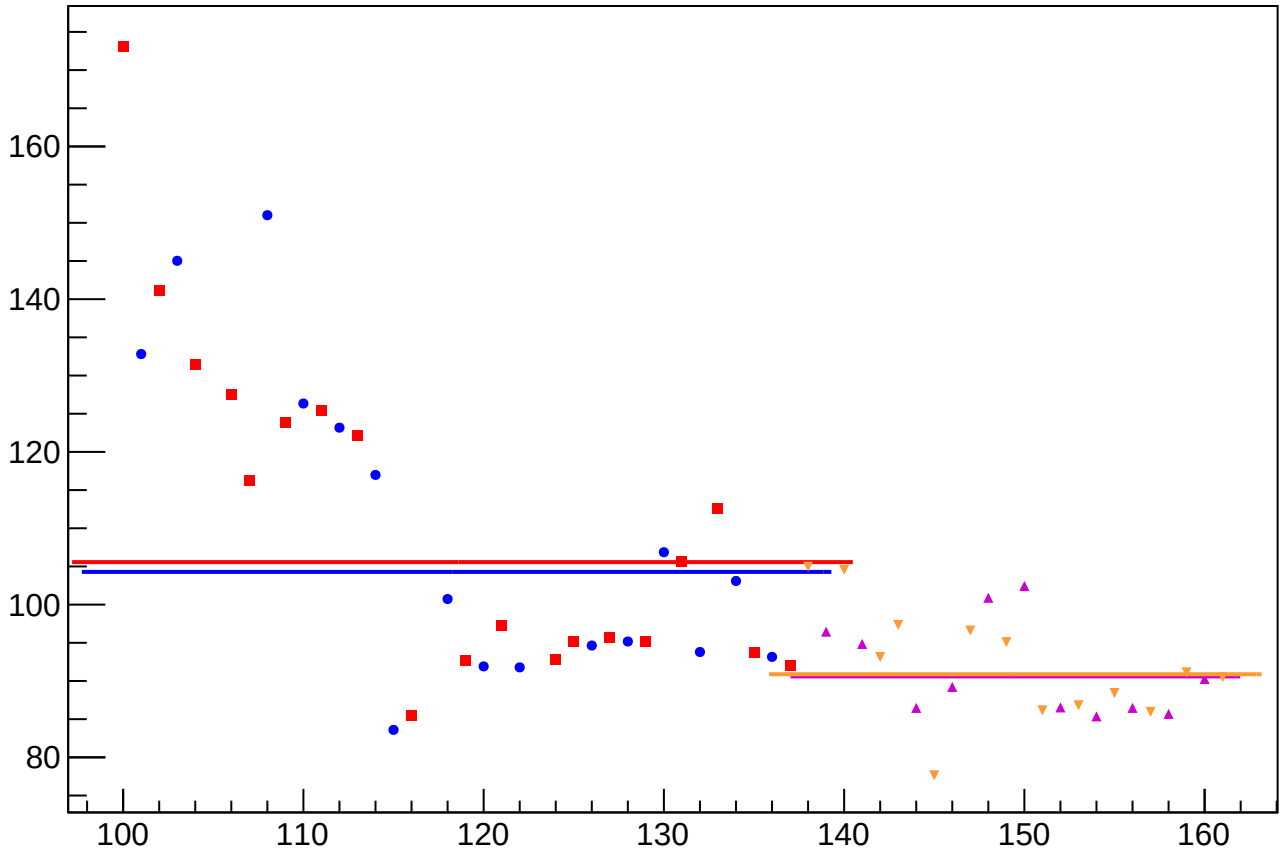
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1067.041+/-0.191 χ^2/NDF:2172179.7/26

Out: 1057.832+/-0.185 χ^2/NDF:2566873.6/31

All: 1062.282+/-0.133 χ^2/NDF: 4740252.8/58


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -5.552+/-28.392 χ²/NDF:23.4/12
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -30.437+/-29.509 χ²/NDF:4.2/10
Left: -17.514+/-20.460 χ²/NDF: 27.9/23
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 35.249+/-23.629 χ²/NDF:26.6/26
Out: 45.151+/-23.022 χ²/NDF:55.6/31
All: 40.329+/-16.490 χ²/NDF: 82.3/58



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.883+/-0.020 χ^2/NDF:135412.1/12

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.594+/-0.021 χ^2/NDF:75511.6/10

Left: 90.744+/-0.014 χ^2/NDF: 211023.2/23

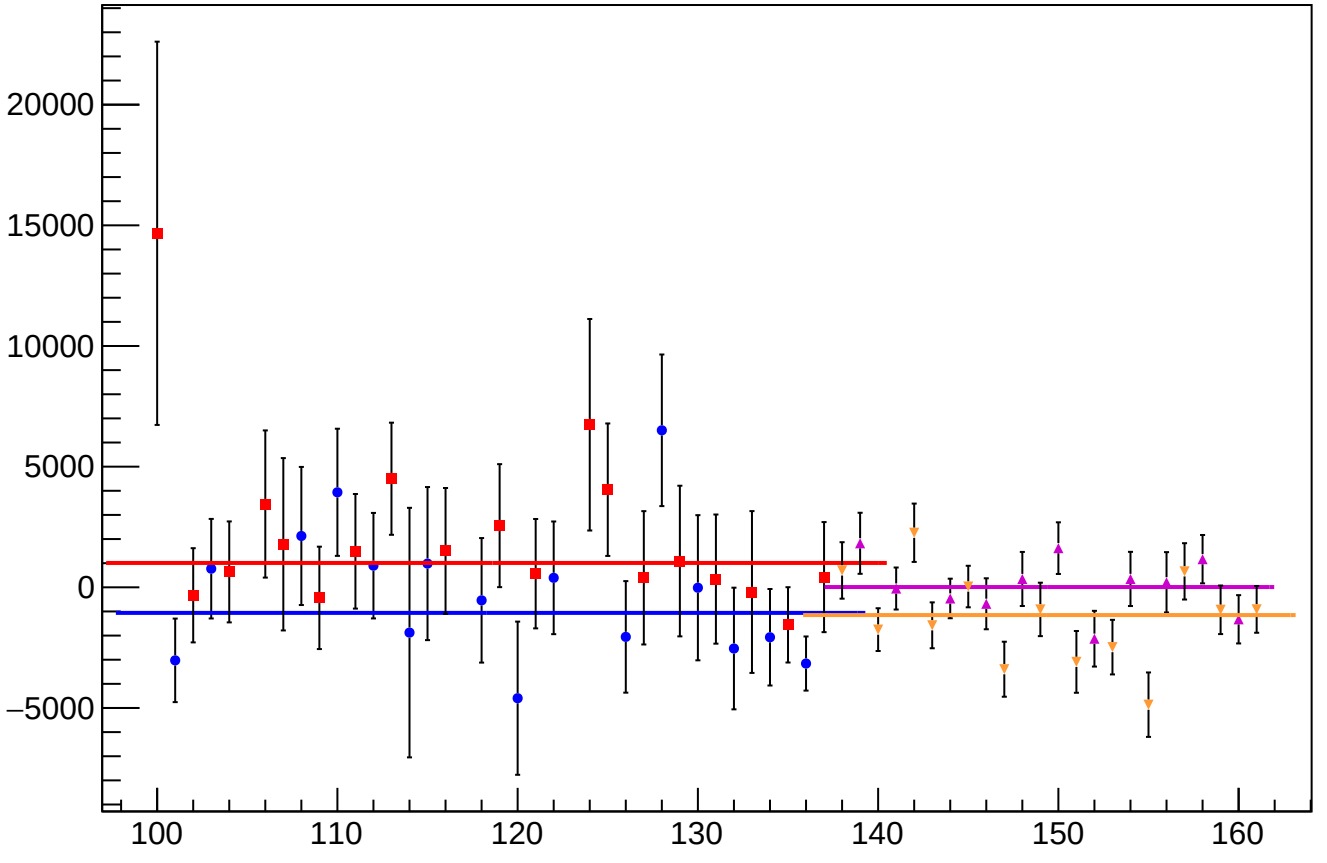
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.507+/-0.017 χ^2/NDF:608322.8/26

Out: 95.912+/-0.016 χ^2/NDF:663255.9/31

All: 95.715+/-0.012 χ^2/NDF: 1271880.5/58

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1149.917+/-295.296 χ^2/NDF:30.9/12

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 11.535+/-313.489 χ^2/NDF:11.8/10

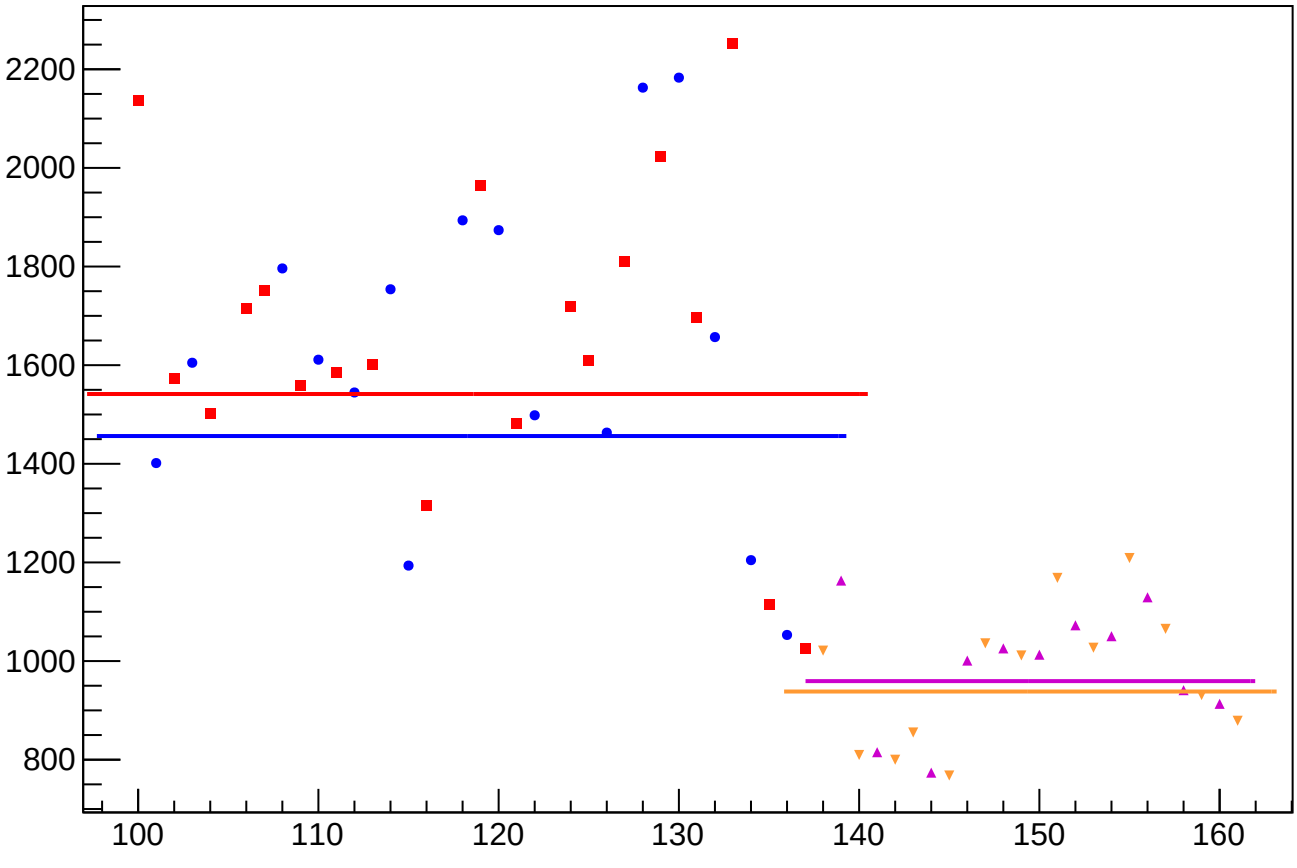
Left: -603.867+/-214.950 χ^2/NDF: 50.0/23

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -245.628+/-273.268 χ^2/NDF:34.7/26

Out: -699.286+/-262.691 χ^2/NDF:55.3/31

All: -481.407+/-189.379 χ^2/NDF: 91.4/58



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 938.248+/-0.209 χ^2/NDF:386081.6/12

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 959.338+/-0.222 χ^2/NDF:298679.1/10

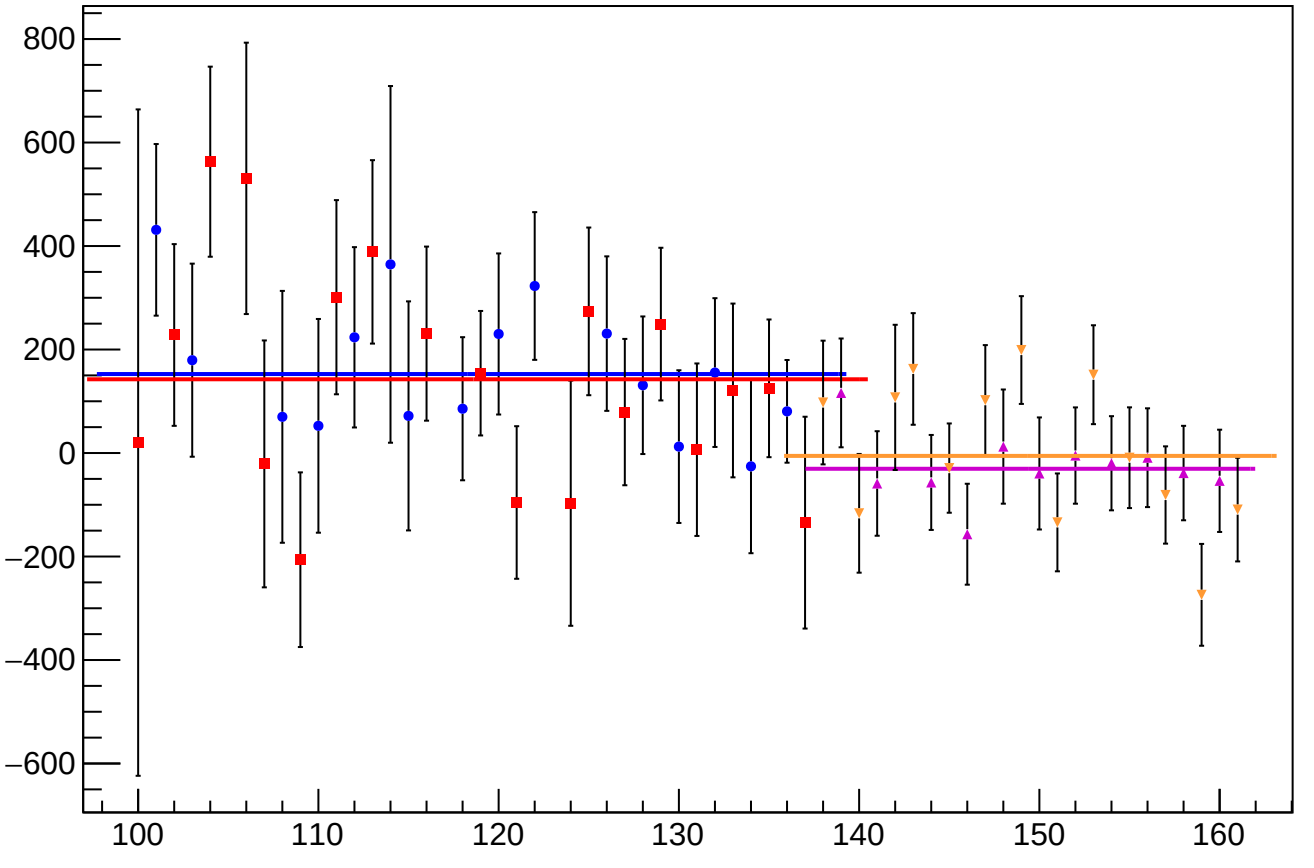
Left: 948.163+/-0.152 χ^2/NDF: 689556.5/23

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1078.678+/-0.193 χ^2/NDF:2190470.0/26

Out: 1064.117+/-0.186 χ^2/NDF:2647006.3/31

All: 1071.110+/-0.134 χ^2/NDF: 4840427.8/58


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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−200
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−600
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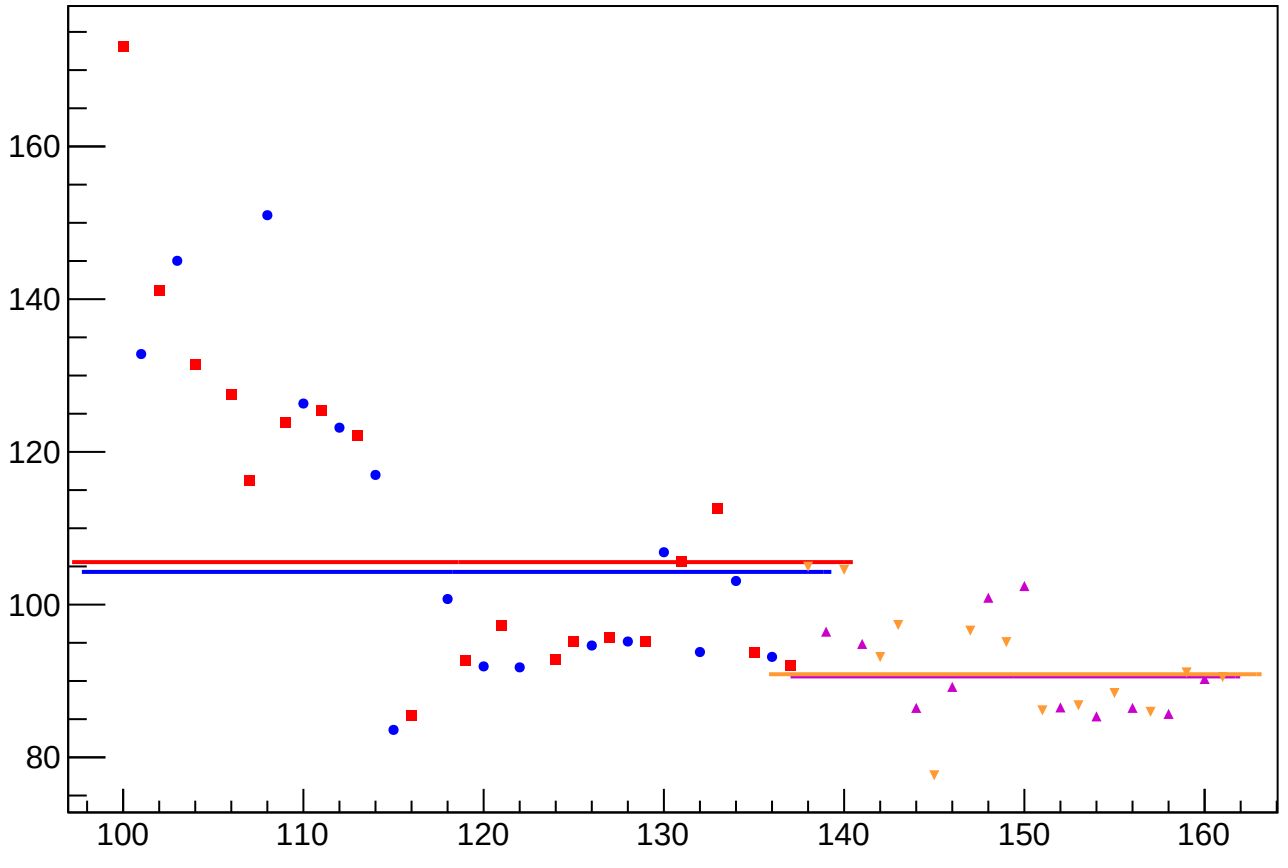
120
130
140
150
160
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -5.551+/-28.392 χ²/NDF:23.4/12
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -30.438+/-29.509 χ²/NDF:4.2/10
Left: -17.514+/-20.460 χ²/NDF: 27.9/23
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 35.250+/-23.629 χ²/NDF:26.6/26
Out: 45.151+/-23.022 χ²/NDF:55.6/31
All: 40.329+/-16.490 χ²/NDF: 82.3/58



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.883+/-0.020 χ^2/NDF:135408.0/12

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.594+/-0.021 χ^2/NDF:75509.7/10

Left: 90.744+/-0.014 χ^2/NDF: 211017.4/23

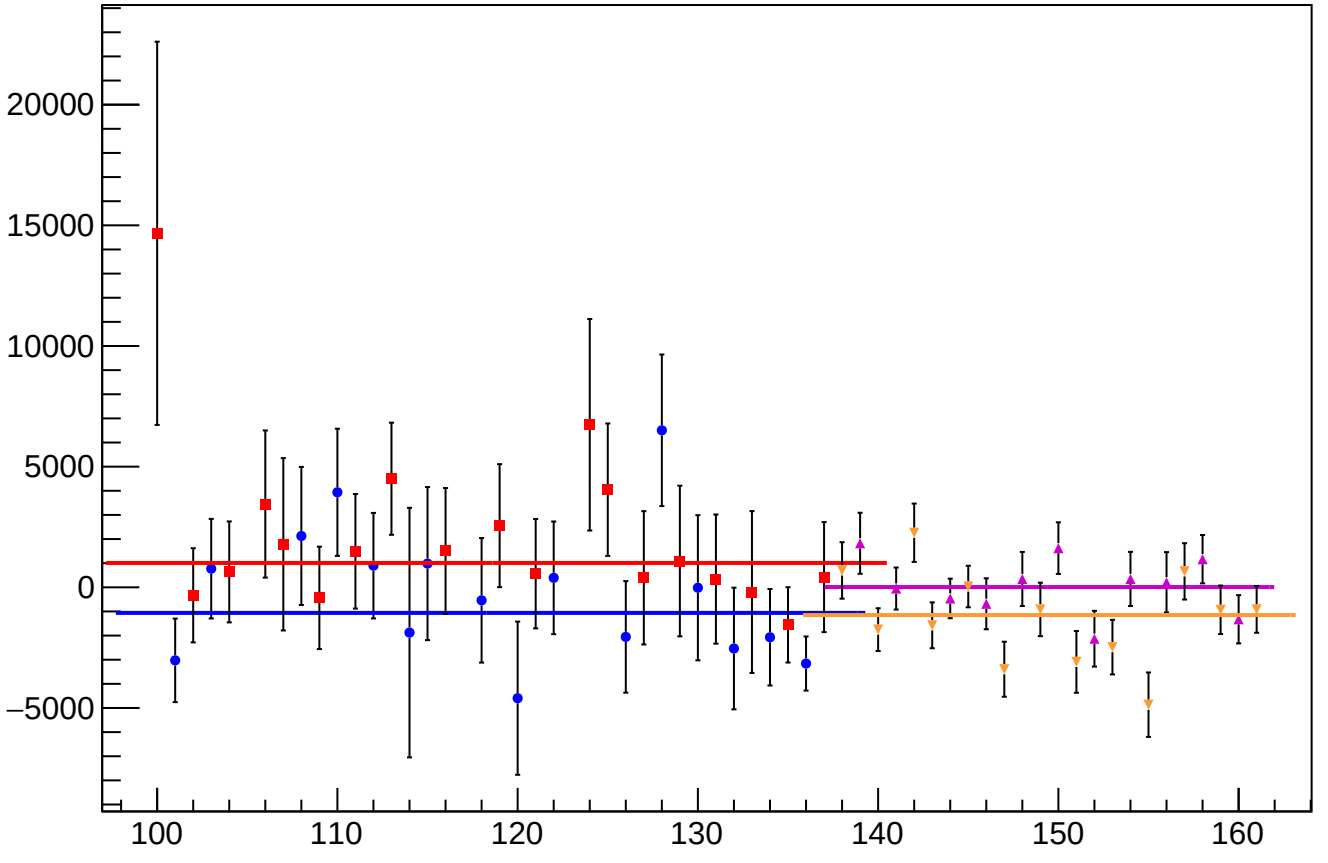
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.507+/-0.017 χ^2/NDF:608302.3/26

Out: 95.912+/-0.016 χ^2/NDF:663231.5/31

All: 95.715+/-0.012 χ^2/NDF: 1271835.8/58

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: -1149.915+/-295.296 χ^2/NDF:30.9/12

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 11.535+/-313.488 χ^2/NDF:11.8/10

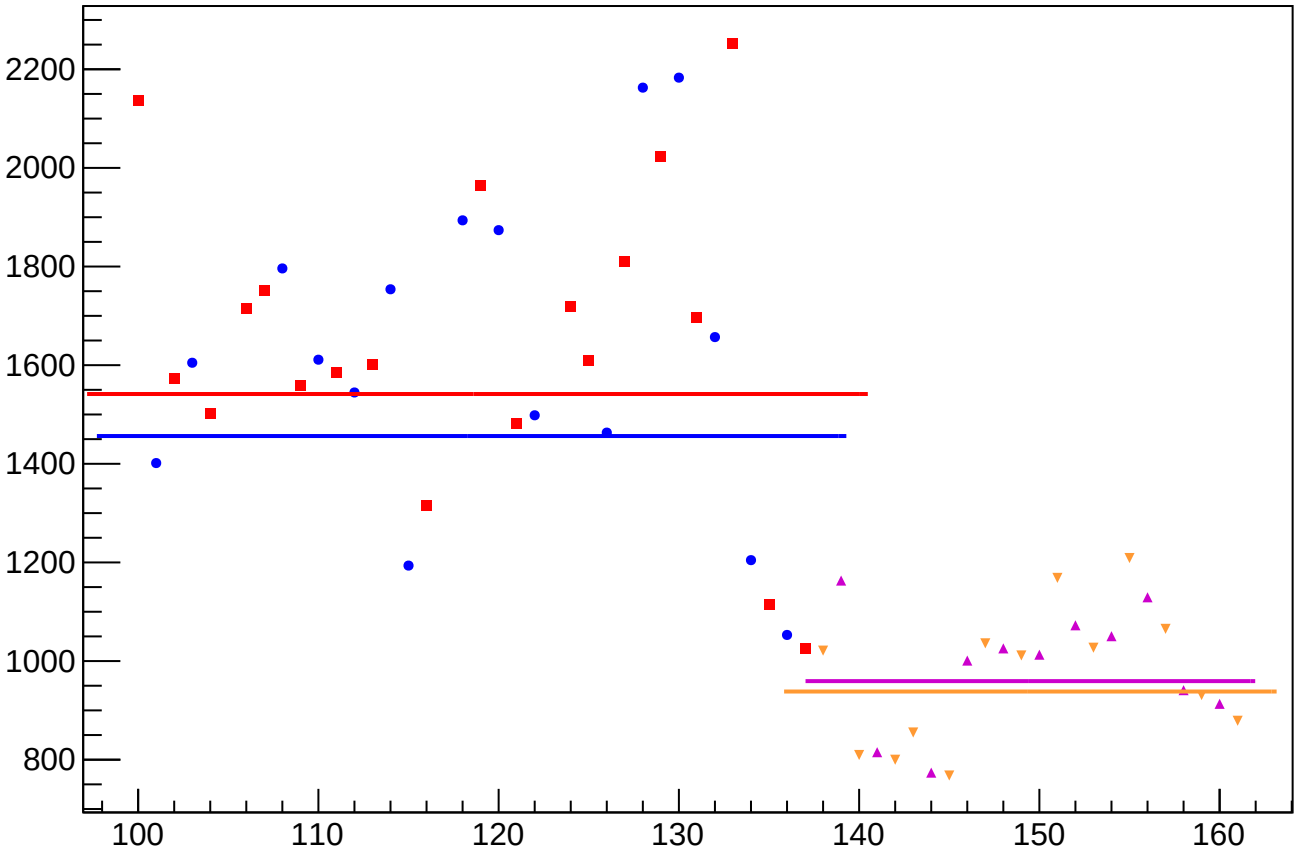
Left: -603.867+/-214.950 χ^2/NDF: 50.0/23

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -245.627+/-273.268 χ^2/NDF:34.7/26

Out: -699.284+/-262.690 χ^2/NDF:55.3/31

All: -481.406+/-189.379 χ^2/NDF: 91.4/58



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 938.247+/-0.209 χ^2/NDF:386084.9/12

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 959.337+/-0.222 χ^2/NDF:298680.4/10

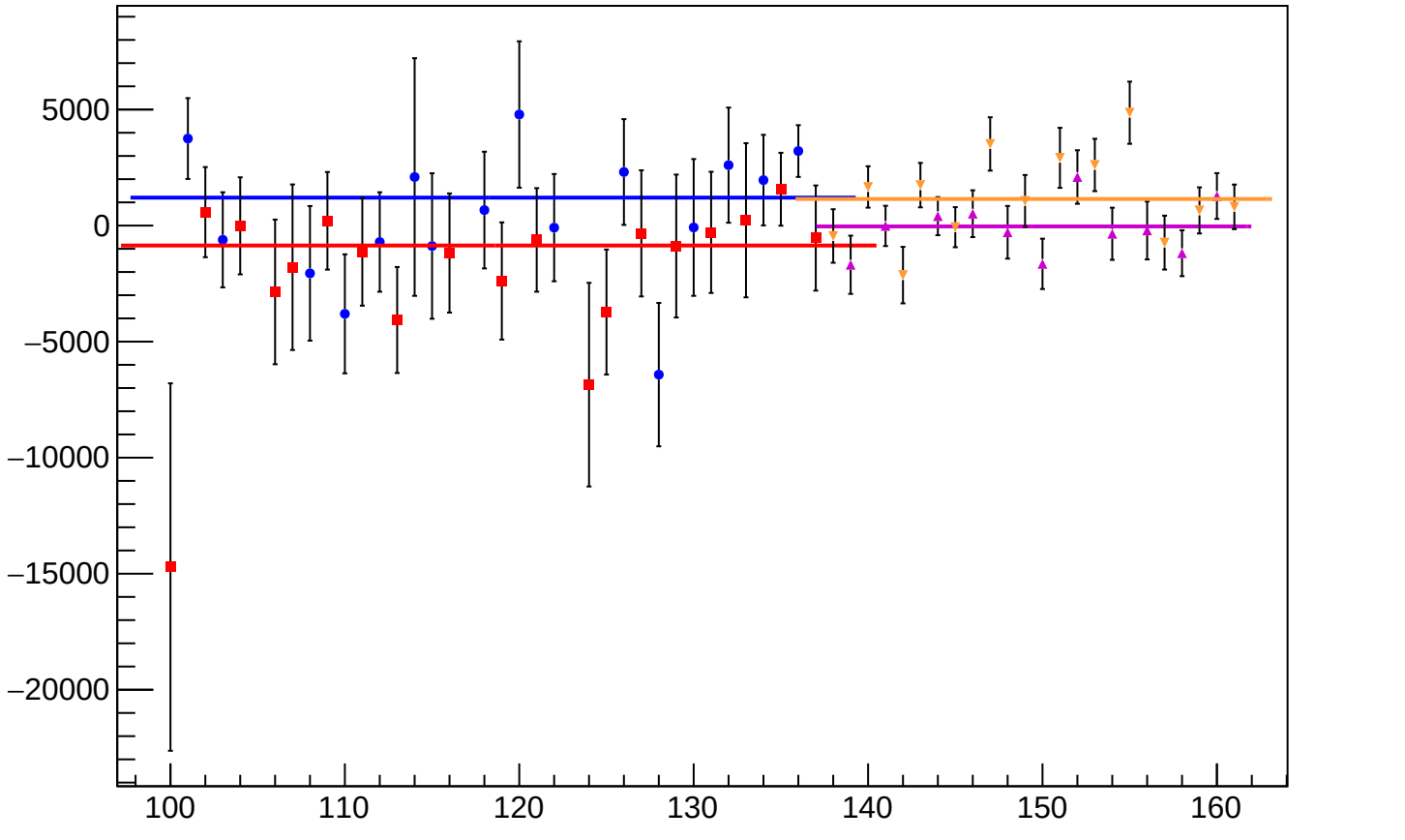
Left: 948.162+/-0.152 χ^2/NDF: 689561.2/23

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1078.677+/-0.193 χ^2/NDF:2190464.5/26

Out: 1064.116+/-0.186 χ^2/NDF:2647005.1/31

All: 1071.109+/-0.134 χ^2/NDF: 4840421.1/58



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1146.326+/-295.458 χ^2/NDF:30.4/12

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -35.464+/-311.611 χ^2/NDF:11.2/10

Left: 586.854+/-214.404 χ^2/NDF: 49.2/23

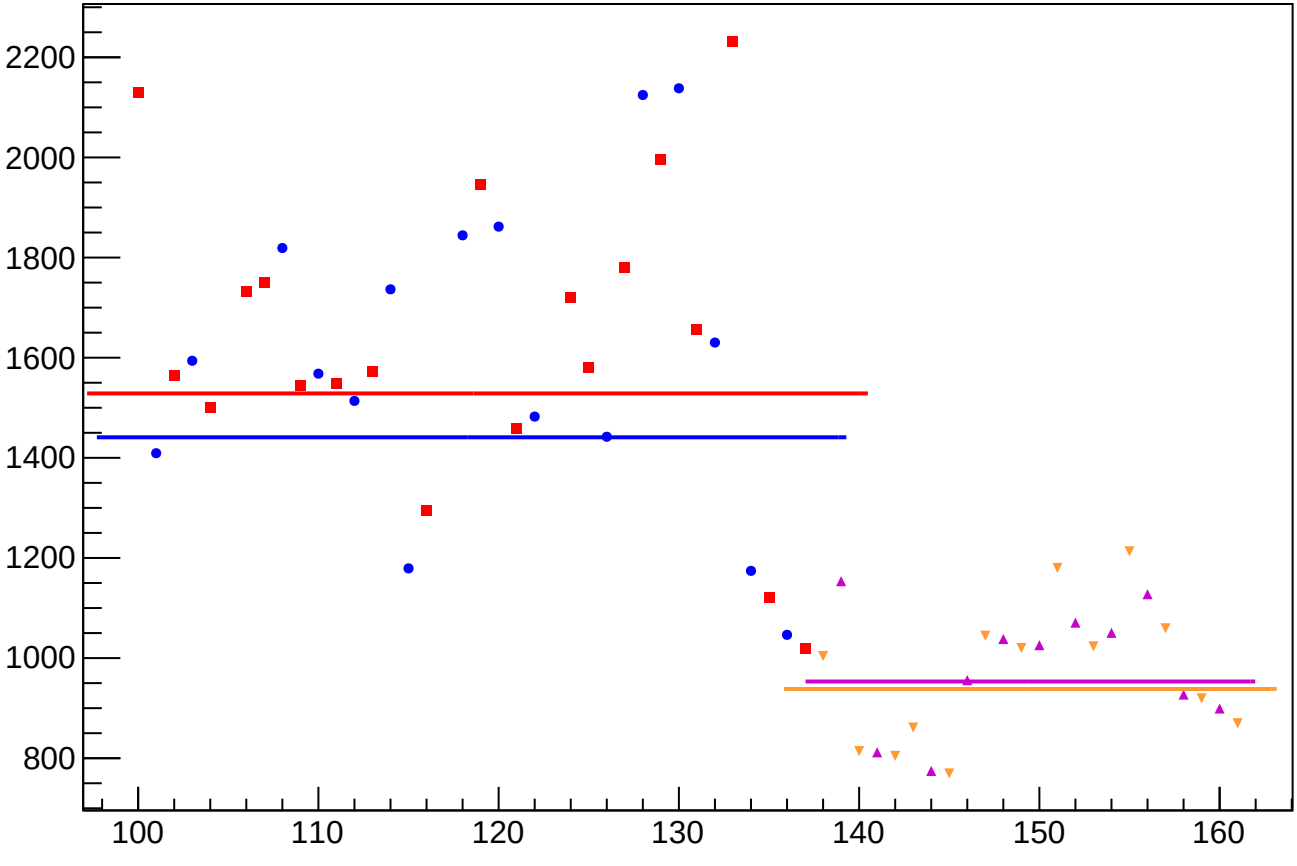
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 264.460+/-271.327 χ^2/NDF:36.2/26

Out: 722.032+/-262.351 χ^2/NDF:52.6/31

All: 500.939+/-188.604 χ^2/NDF: 90.3/58

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 938.290+/-0.209 χ^2/NDF:384803.9/12

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 953.249+/-0.220 χ^2/NDF:301230.7/10

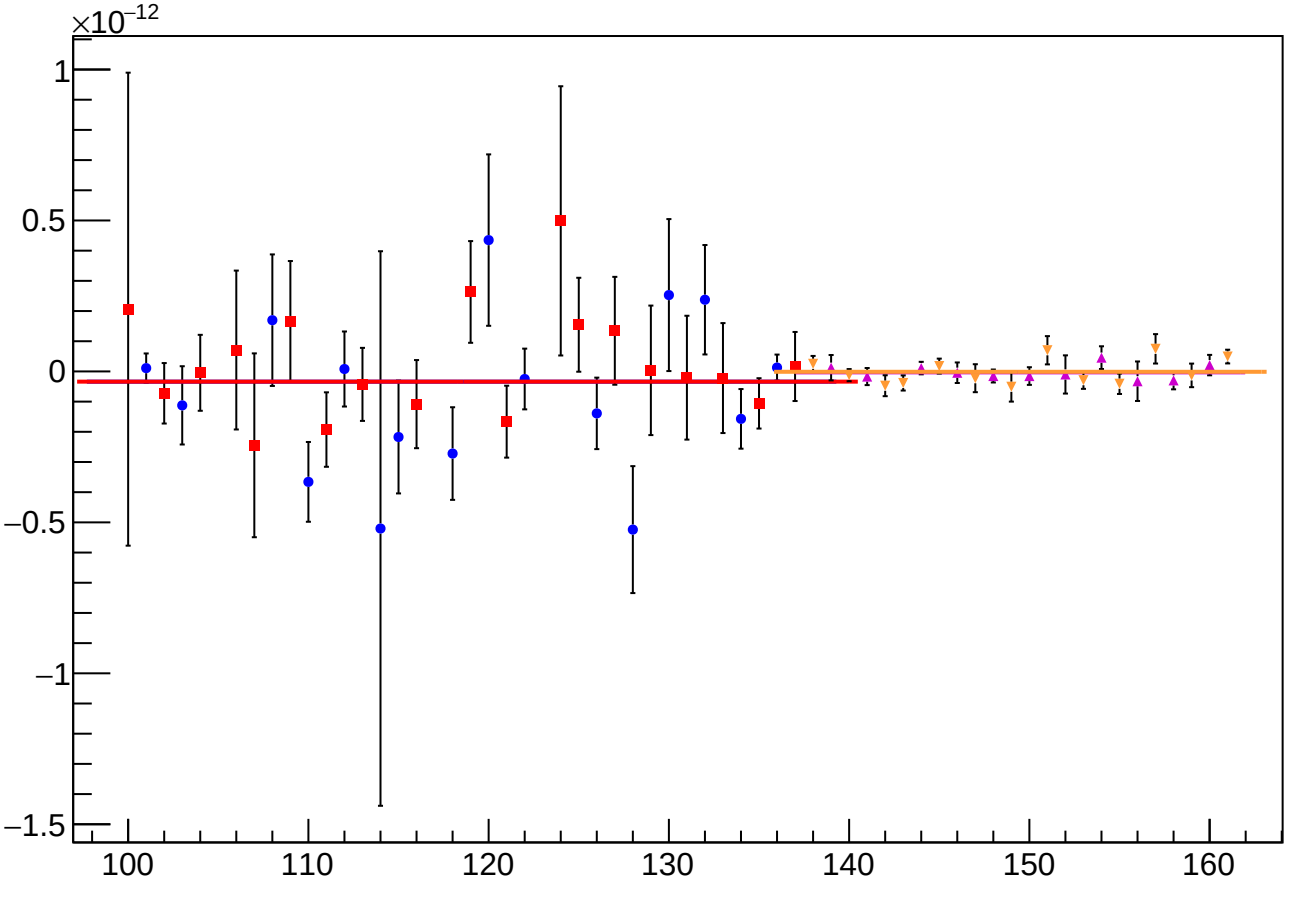
Left: 945.371+/-0.152 χ^2/NDF: 688461.6/23

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1071.214+/-0.192 χ^2/NDF:2157070.9/26

Out: 1063.183+/-0.186 χ^2/NDF:2575768.9/31

All: 1067.063+/-0.133 χ^2/NDF: 4733745.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/10

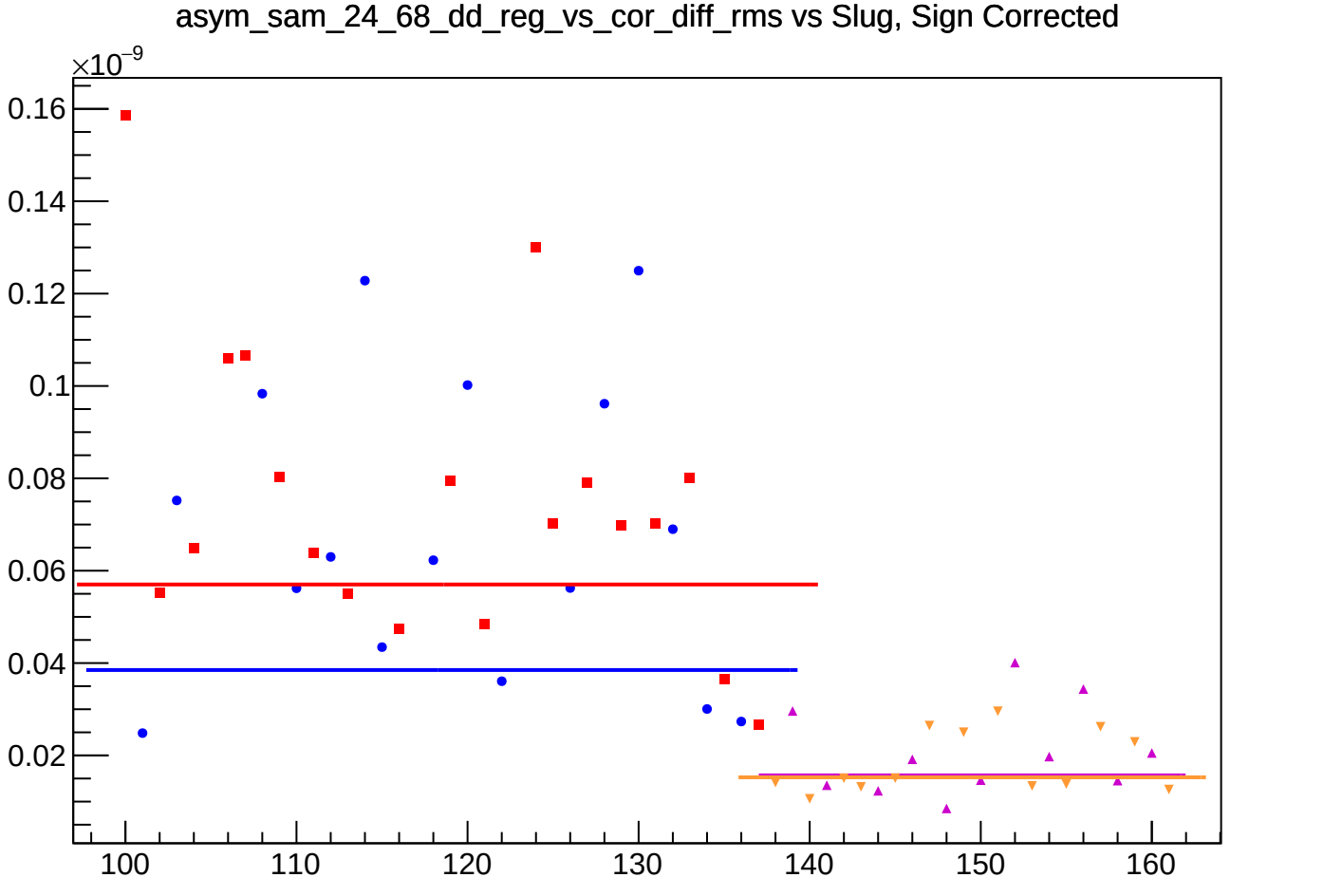
Left: -0.000+/-0.000 χ^2/NDF: 23.7/23

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.3/26

Out: -0.000+/-0.000 χ^2/NDF:33.1/31

All: -0.000+/-0.000 χ^2/NDF: 66.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:724204.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1057476.3/10

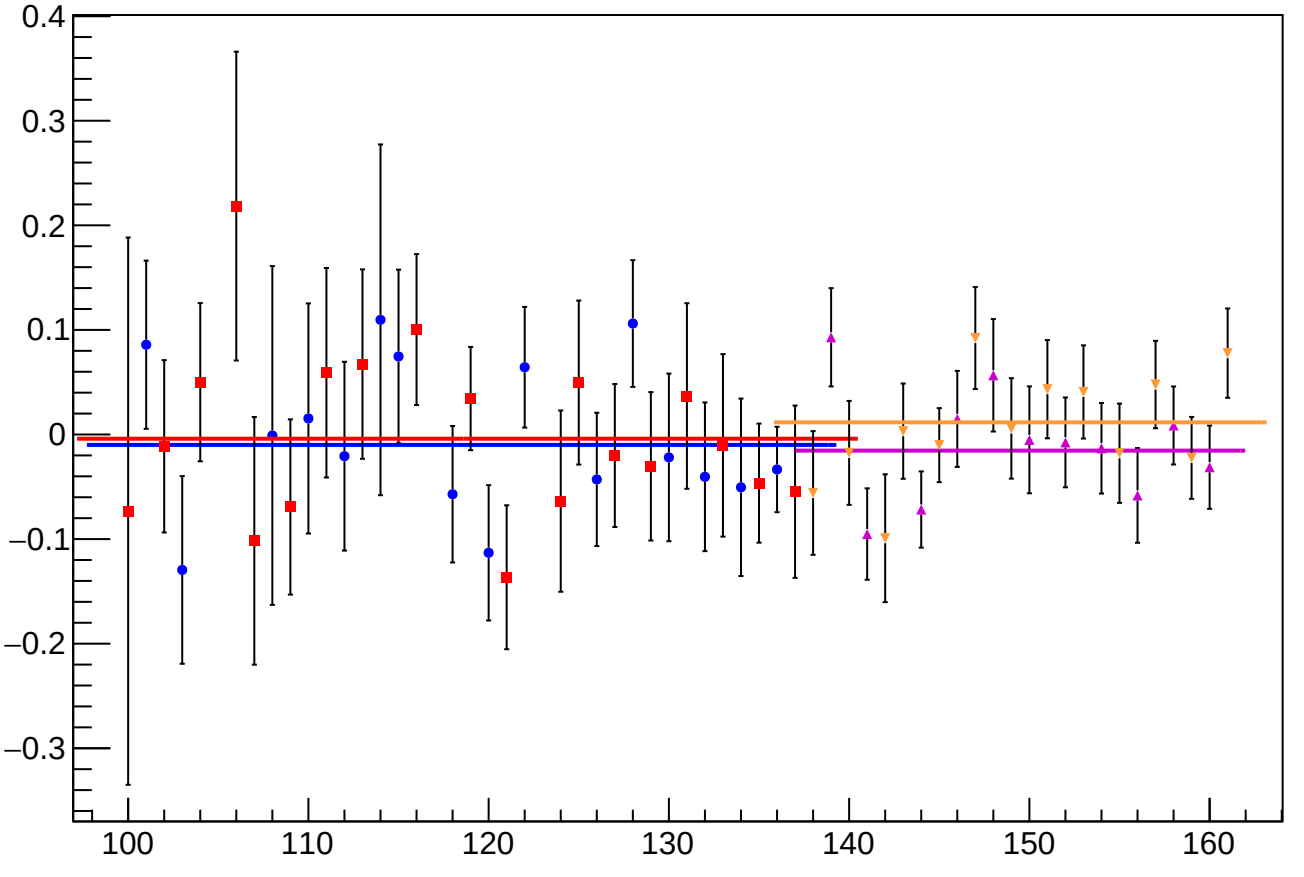
Left: 0.000+/-0.000 χ^2/NDF: 1783975.1/23

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3897146.0/26

Out: 0.000+/-0.000 χ^2/NDF:4263188.5/31

All: 0.000+/-0.000 χ^2/NDF: 8169389.6/58



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.015+/-0.013 χ^2/NDF:14.8/10

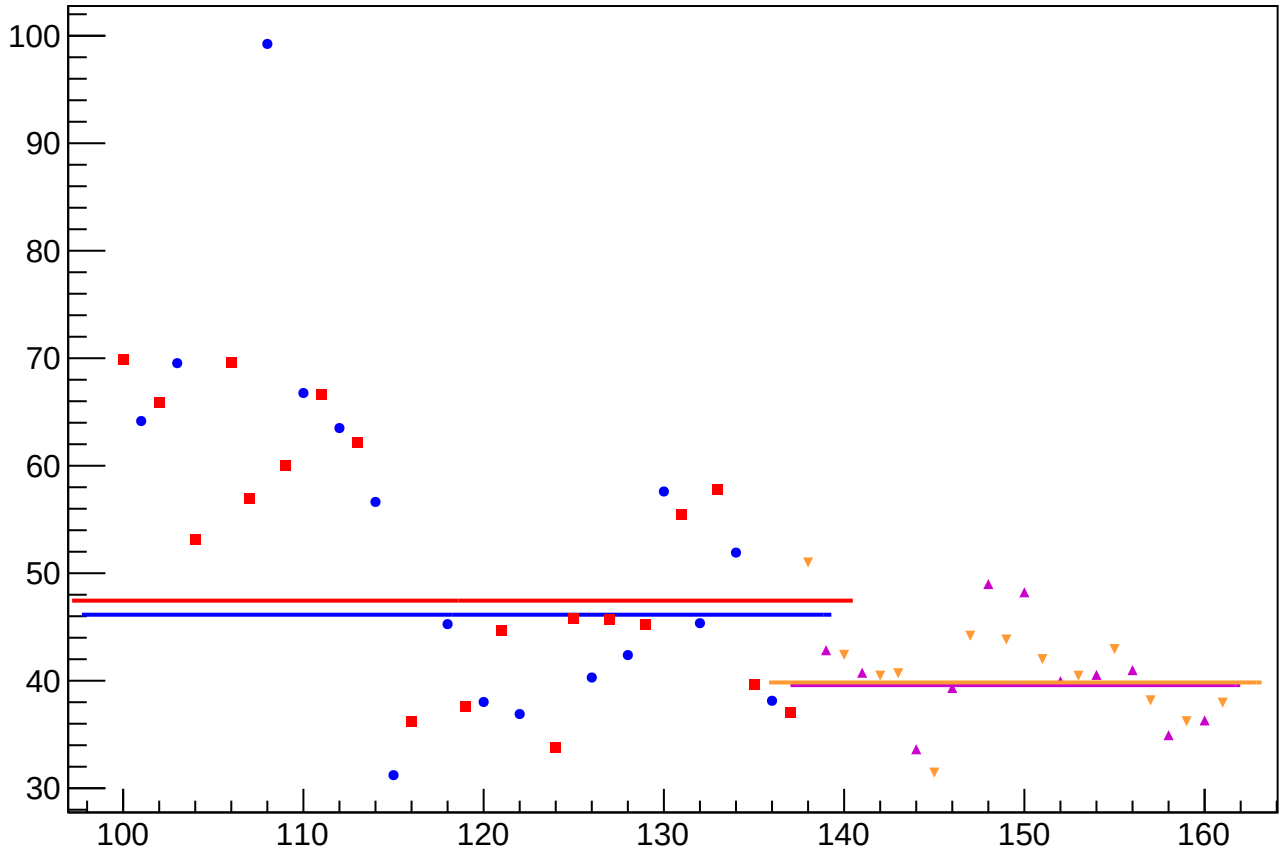
Left: -0.001+/-0.009 χ^2/NDF: 30.3/23

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.006+/-0.010 χ^2/NDF:27.6/31

All: -0.003+/-0.007 χ^2/NDF: 58.6/58



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.839+/-0.009 χ^2/NDF:256899.9/12

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

Left: 39.719+/-0.006 χ^2/NDF: 487999.5/23

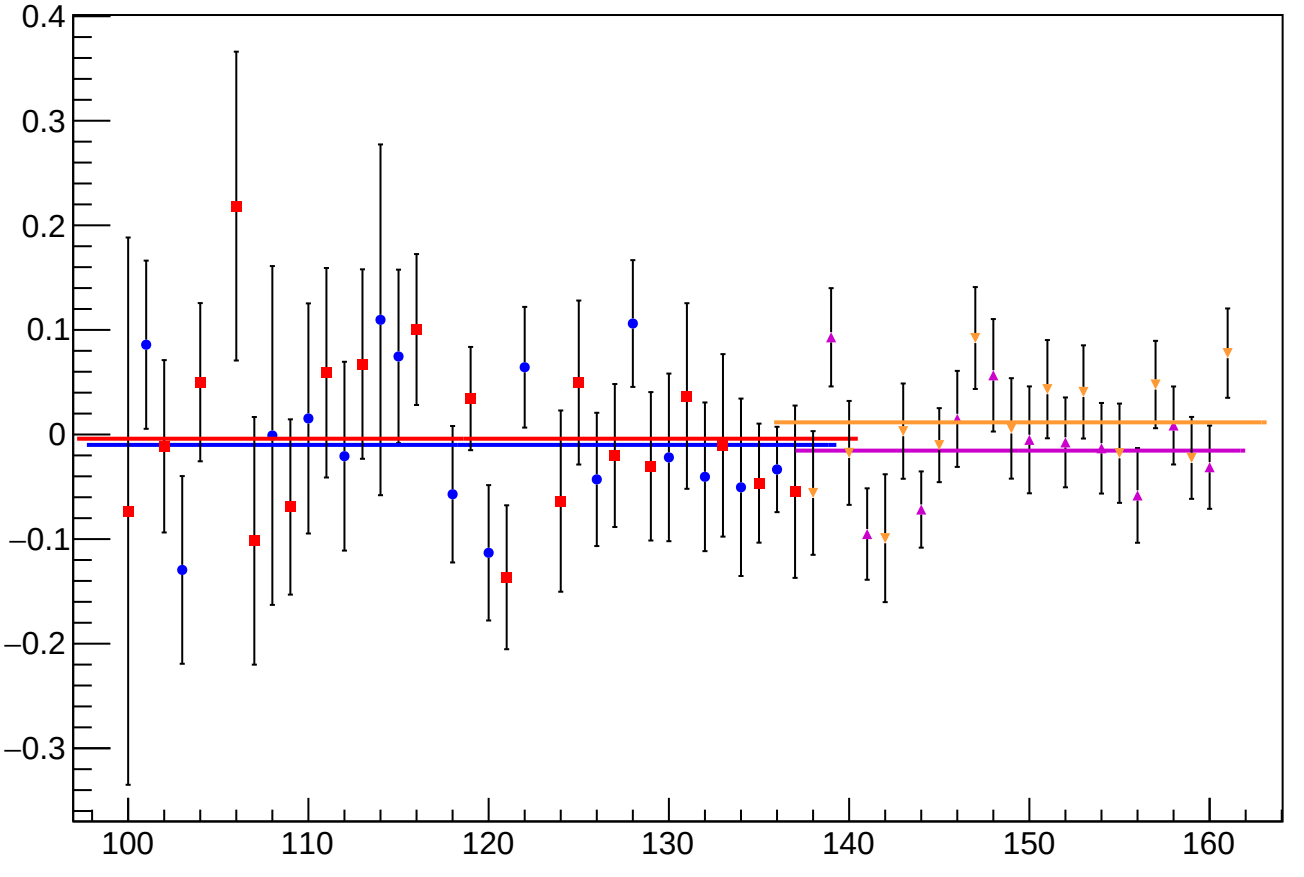
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.855+/-0.007 χ^2/NDF:1307456.2/26

Out: 42.333+/-0.007 χ^2/NDF:1149525.4/31

All: 42.099+/-0.005 χ^2/NDF: 2459060.2/58

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: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.015+/-0.013 χ^2/NDF:14.8/10

Left: -0.001+/-0.009 χ^2/NDF: 30.3/23

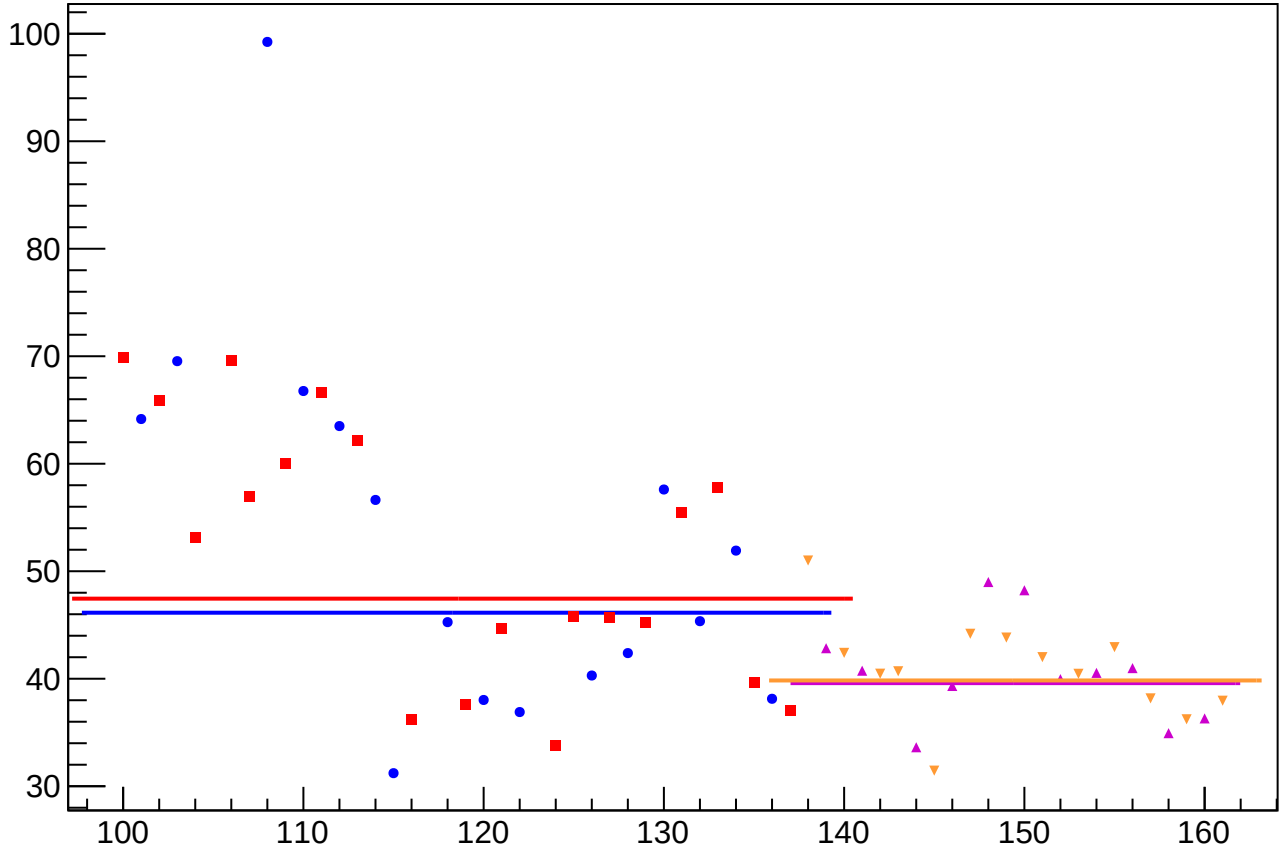
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.006+/-0.010 χ^2/NDF:27.6/31

All: -0.003+/-0.007 χ^2/NDF: 58.6/58

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.839+/-0.009 χ^2/NDF:256899.9/12

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

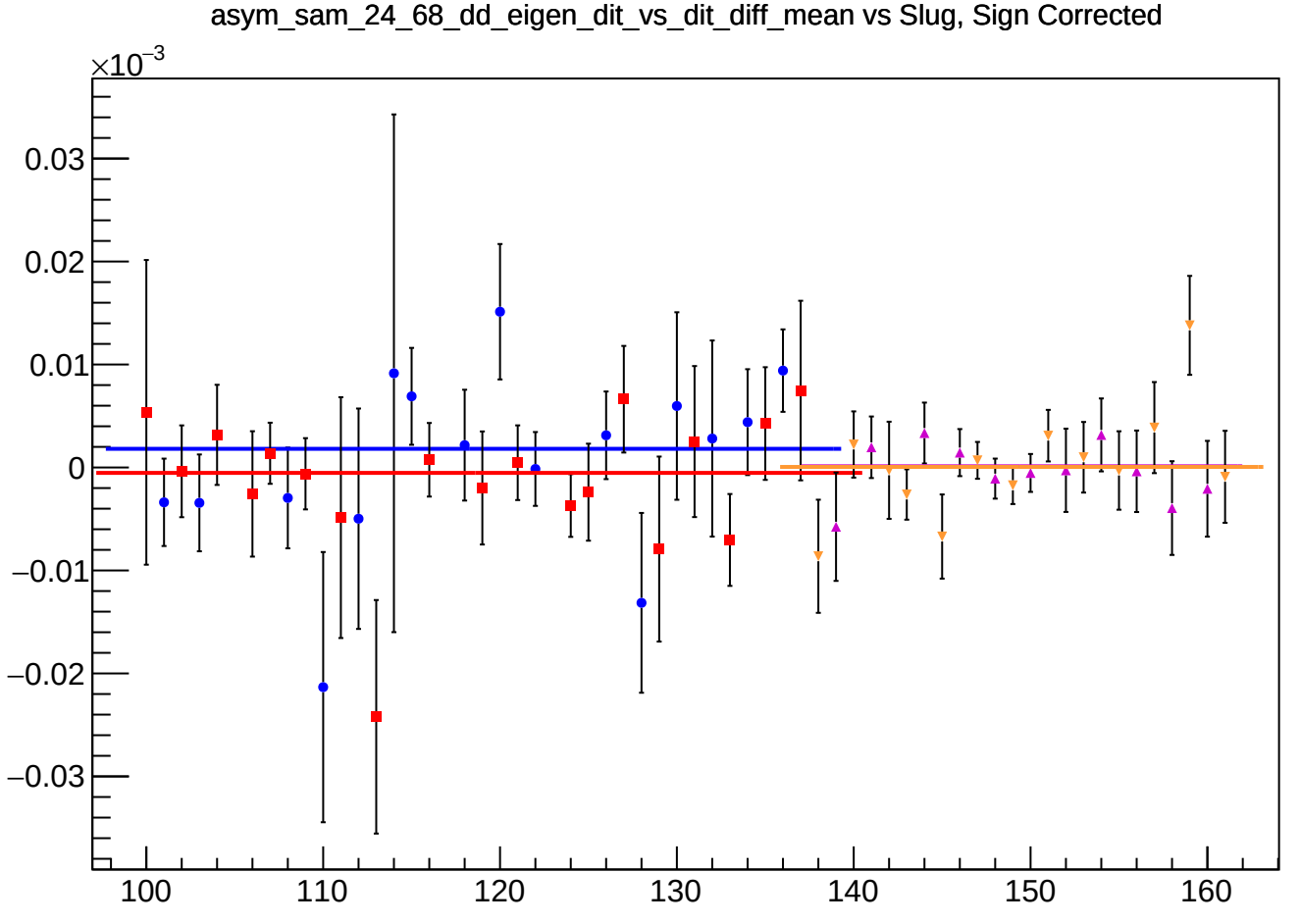
Left: 39.719+/-0.006 χ^2/NDF: 487999.5/23

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.855+/-0.007 χ^2/NDF:1307456.2/26

Out: 42.333+/-0.007 χ^2/NDF:1149525.4/31

All: 42.099+/-0.005 χ^2/NDF: 2459060.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/10

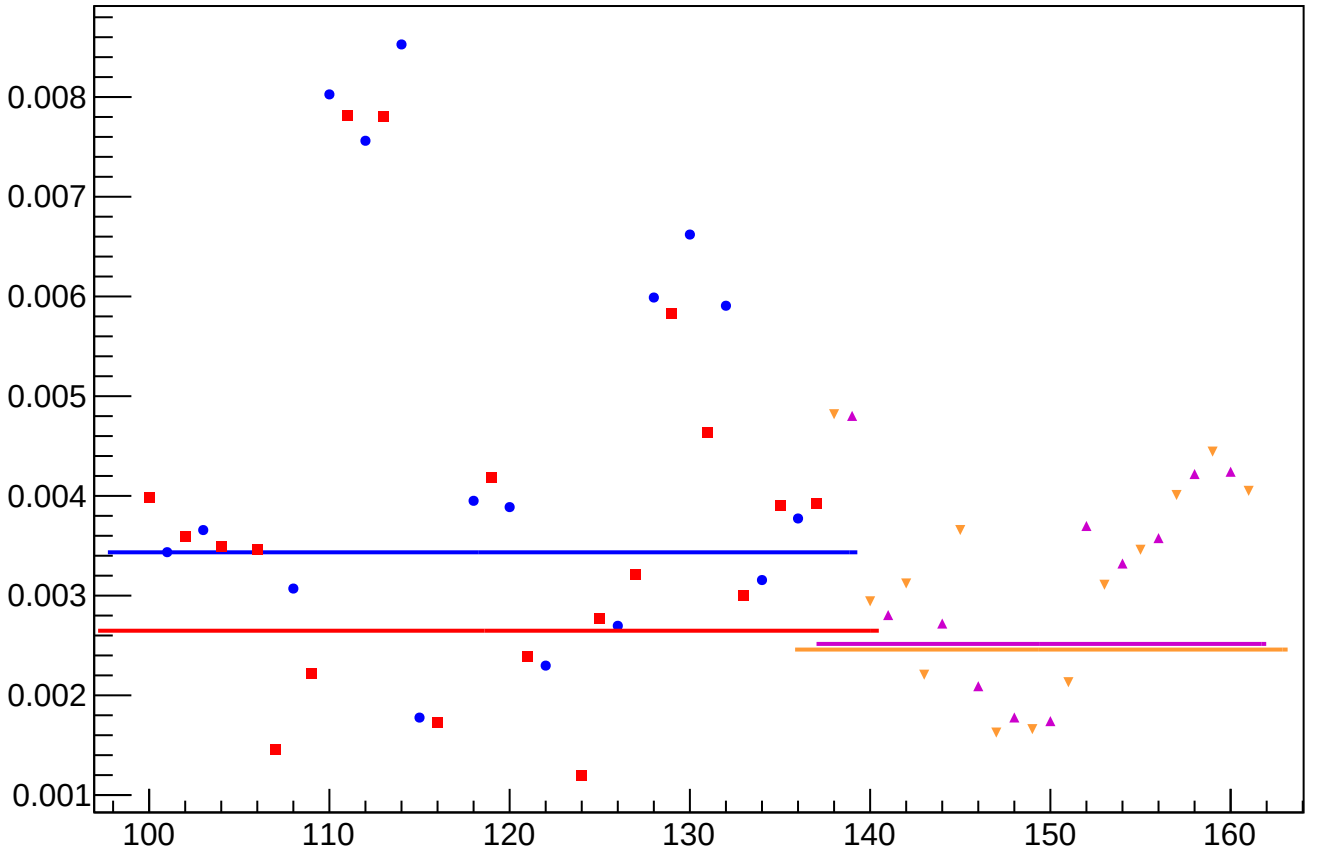
Left: 0.000+/-0.000 χ^2/NDF: 24.0/23

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:26.5/26

Out: -0.000+/-0.000 χ^2/NDF:32.5/31

All: 0.000+/-0.000 χ^2/NDF: 59.6/58



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2550855.1/12

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2091353.8/10

Left: 0.002+/-0.000 χ^2/NDF: 4646675.0/23

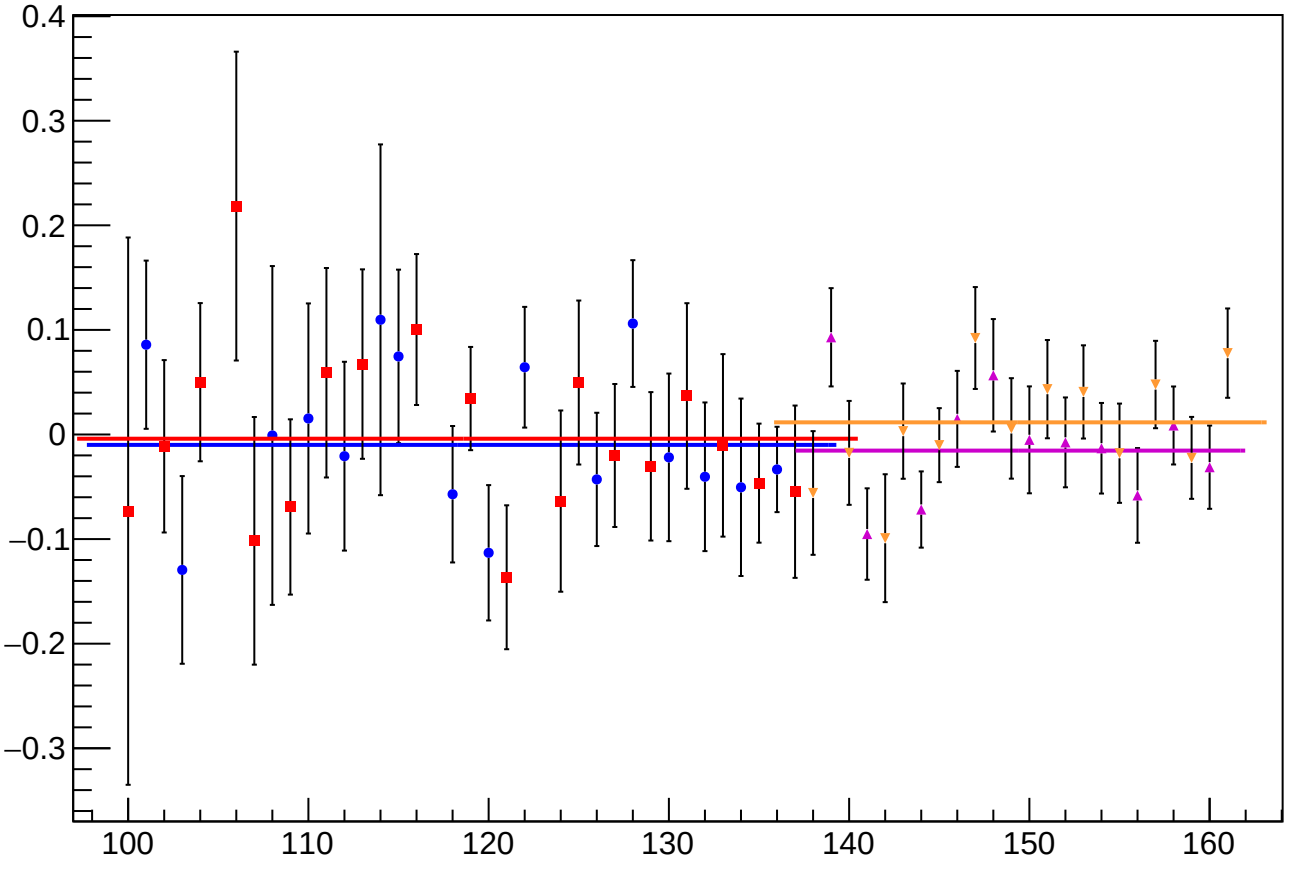
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4477989.7/26

Out: 0.003+/-0.000 χ^2/NDF:5286007.4/31

All: 0.003+/-0.000 χ^2/NDF: 9894945.4/58

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: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.015+/-0.013 χ^2/NDF:14.8/10

Left: -0.001+/-0.009 χ^2/NDF: 30.3/23

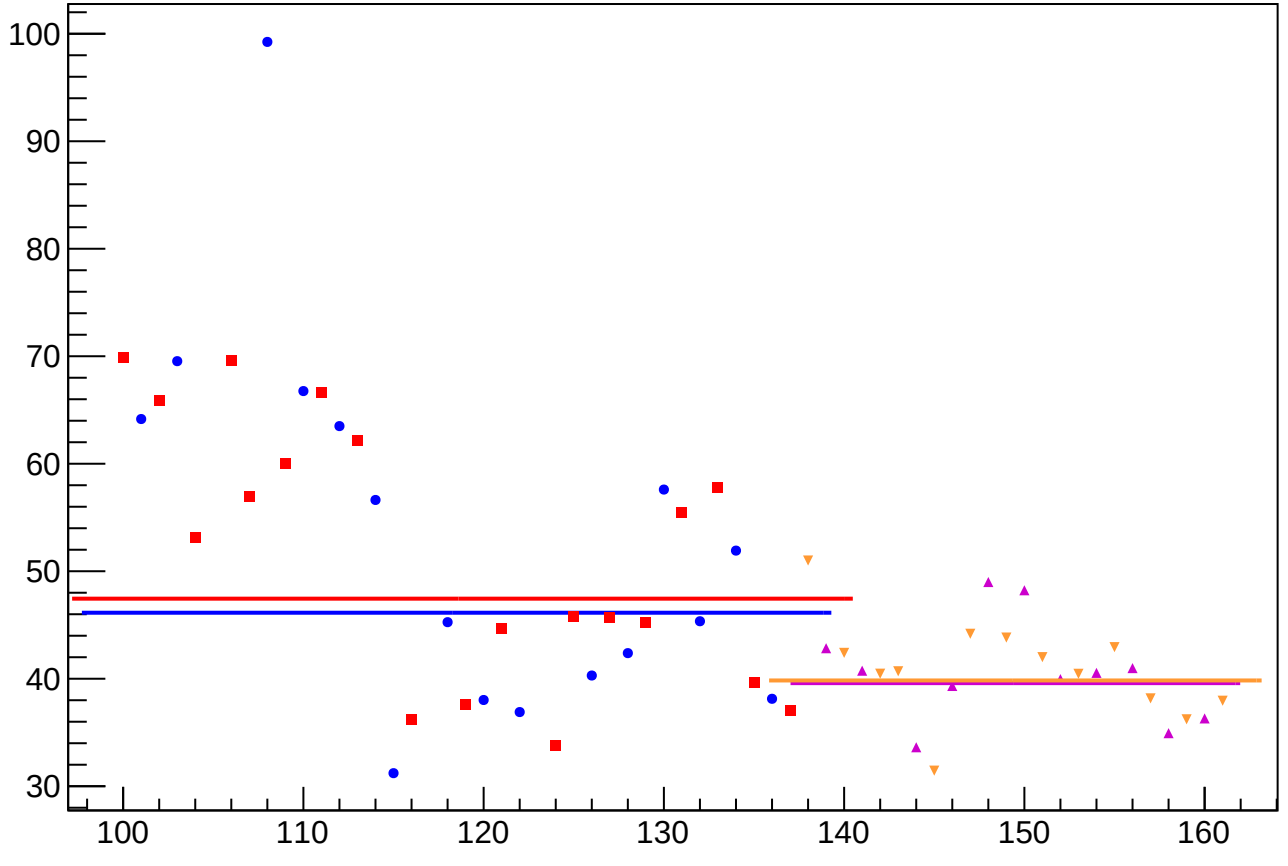
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.006+/-0.010 χ^2/NDF:27.6/31

All: -0.003+/-0.007 χ^2/NDF: 58.6/58

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.839+/-0.009 χ^2/NDF:256914.4/12

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

Left: 39.719+/-0.006 χ^2/NDF: 488045.4/23

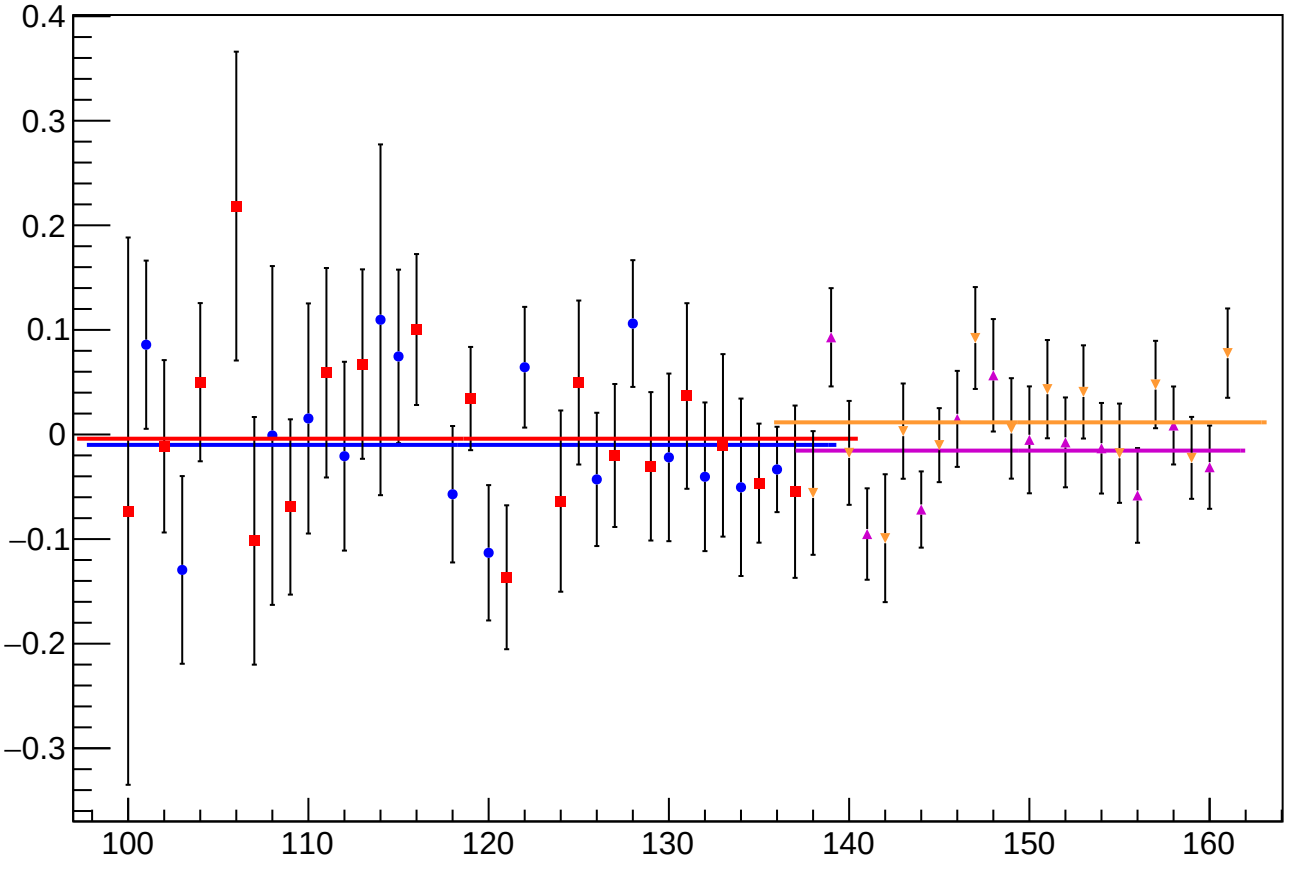
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.855+/-0.007 χ^2/NDF:1307390.6/26

Out: 42.332+/-0.007 χ^2/NDF:1149456.9/31

All: 42.099+/-0.005 χ^2/NDF: 2458929.2/58

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: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.015+/-0.013 χ^2/NDF:14.8/10

Left: -0.001+/-0.009 χ^2/NDF: 30.3/23

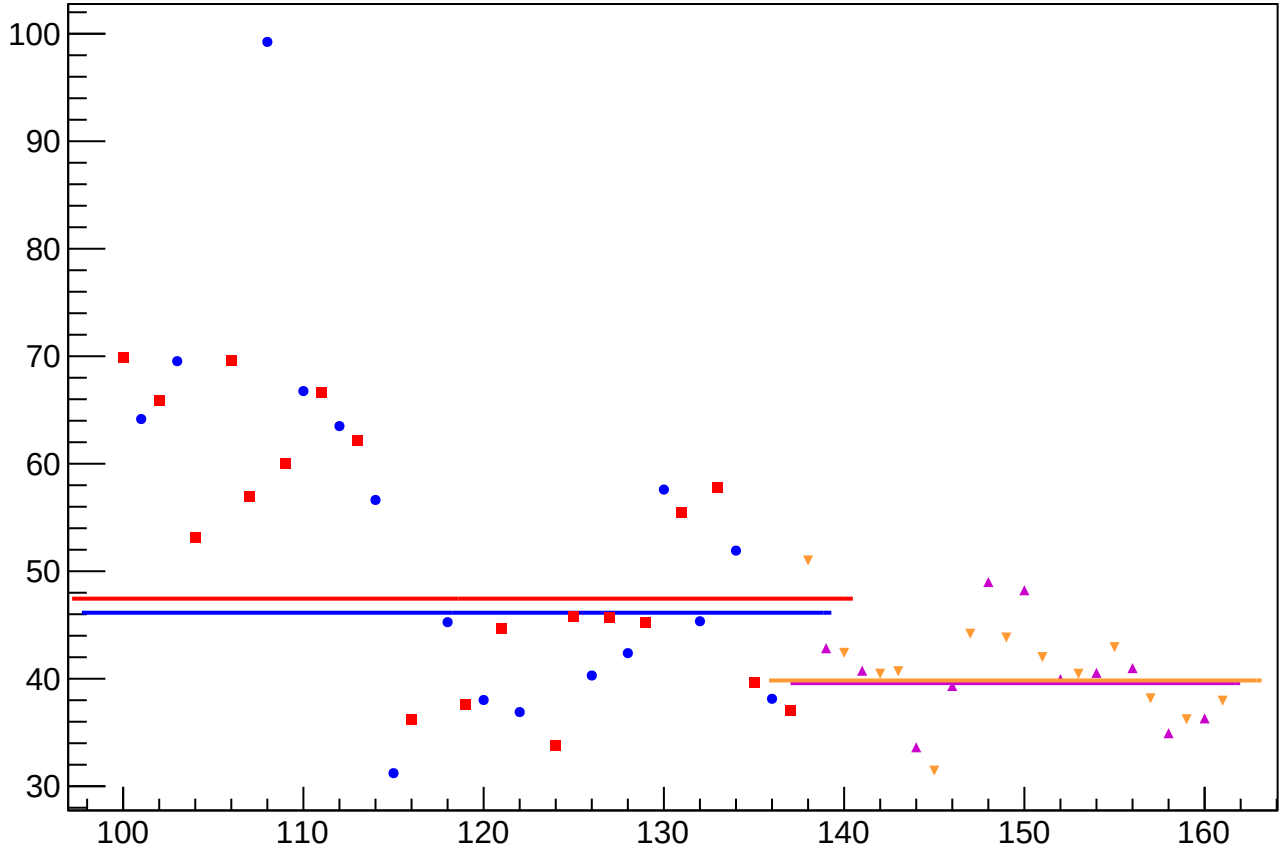
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.014+/-0.011 χ^2/NDF:29.1/26

Out: 0.006+/-0.010 χ^2/NDF:27.6/31

All: -0.003+/-0.007 χ^2/NDF: 58.6/58

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.839+/-0.009 χ^2/NDF:256914.4/12

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

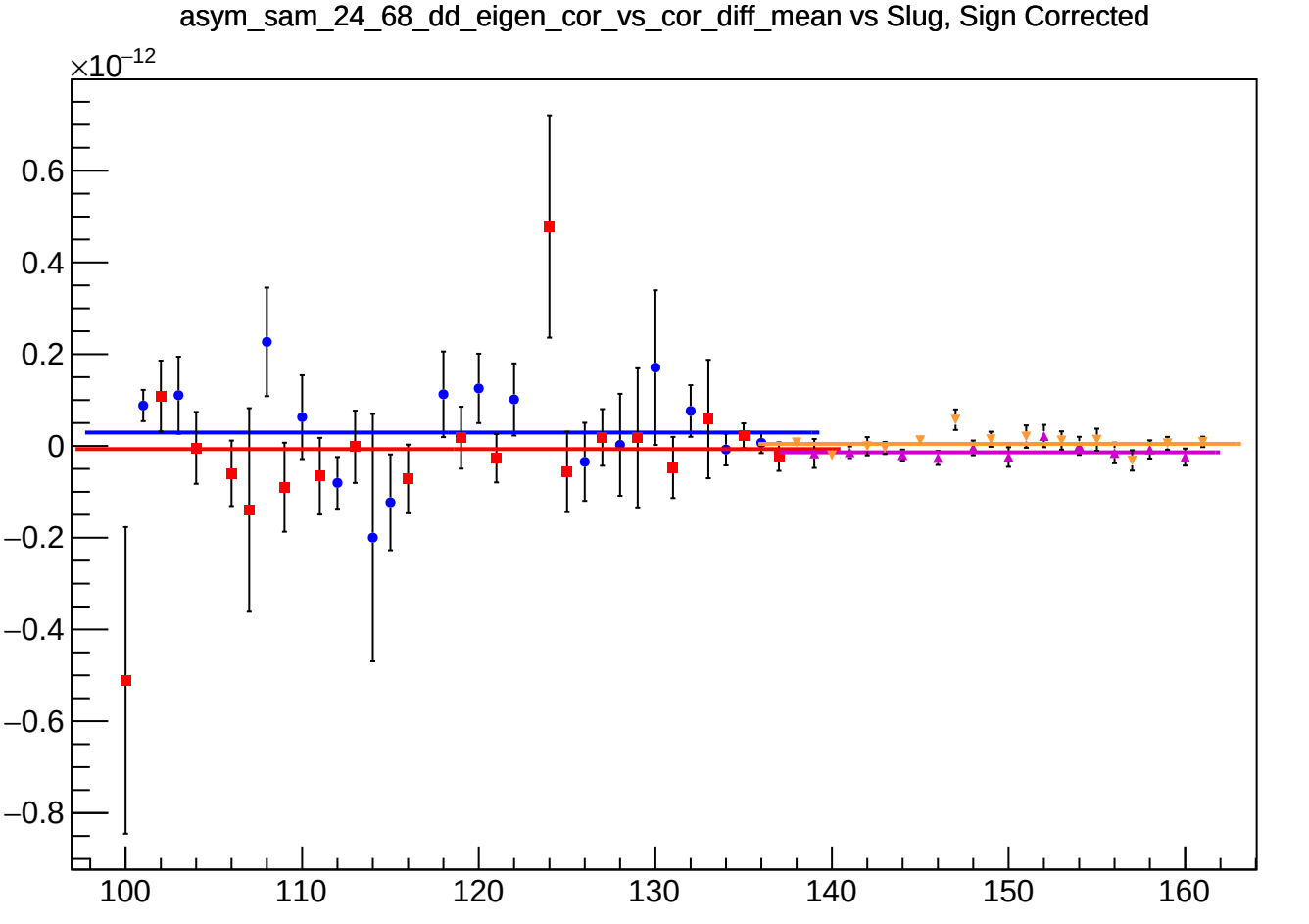
Left: 39.719+/-0.006 χ^2/NDF: 488045.4/23

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.855+/-0.007 χ^2/NDF:1307390.6/26

Out: 42.332+/-0.007 χ^2/NDF:1149456.9/31

All: 42.099+/-0.005 χ^2/NDF: 2458929.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/10

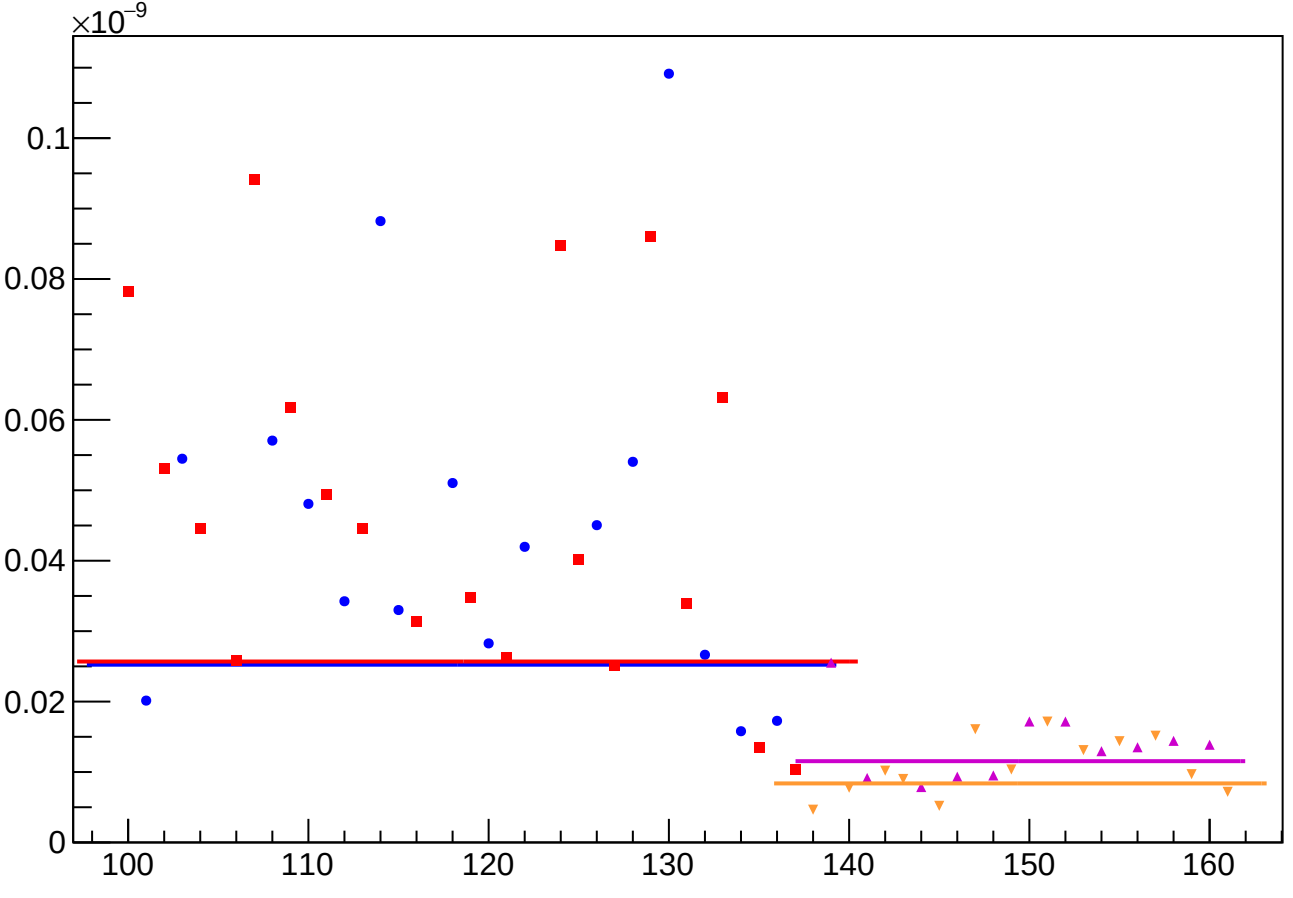
Left: -0.000+/-0.000 χ^2/NDF: 28.7/23

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/26

Out: 0.000+/-0.000 χ^2/NDF:31.1/31

All: -0.000+/-0.000 χ^2/NDF: 69.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1527889.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1068360.7/10

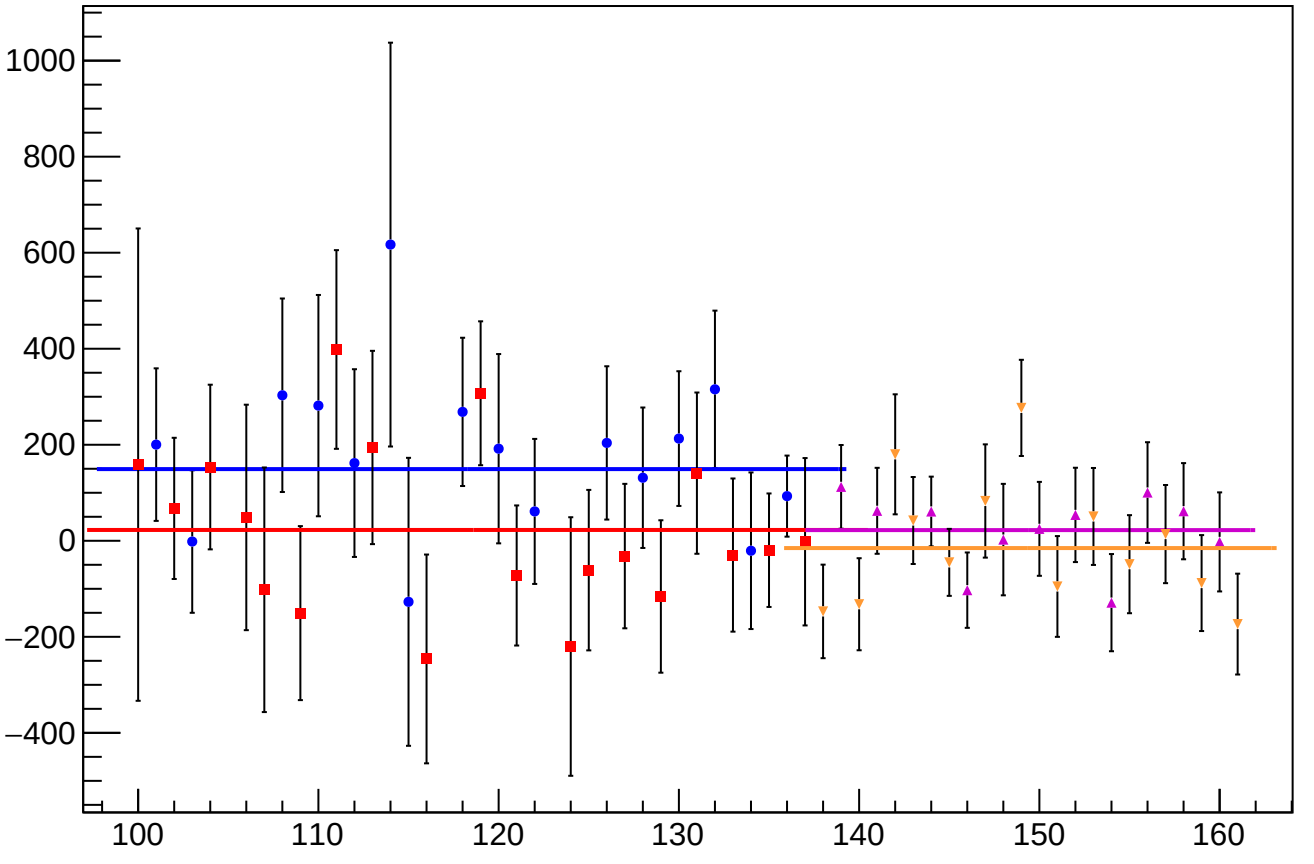
Left: 0.000+/-0.000 χ^2/NDF: 3058959.8/23

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4969633.2/26

Out: 0.000+/-0.000 χ^2/NDF:7028575.2/31

All: 0.000+/-0.000 χ^2/NDF: 12735525.5/58



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -15.170+/-27.233 χ^2/NDF:19.5/12

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 22.246+/-28.025 χ^2/NDF:7.2/10

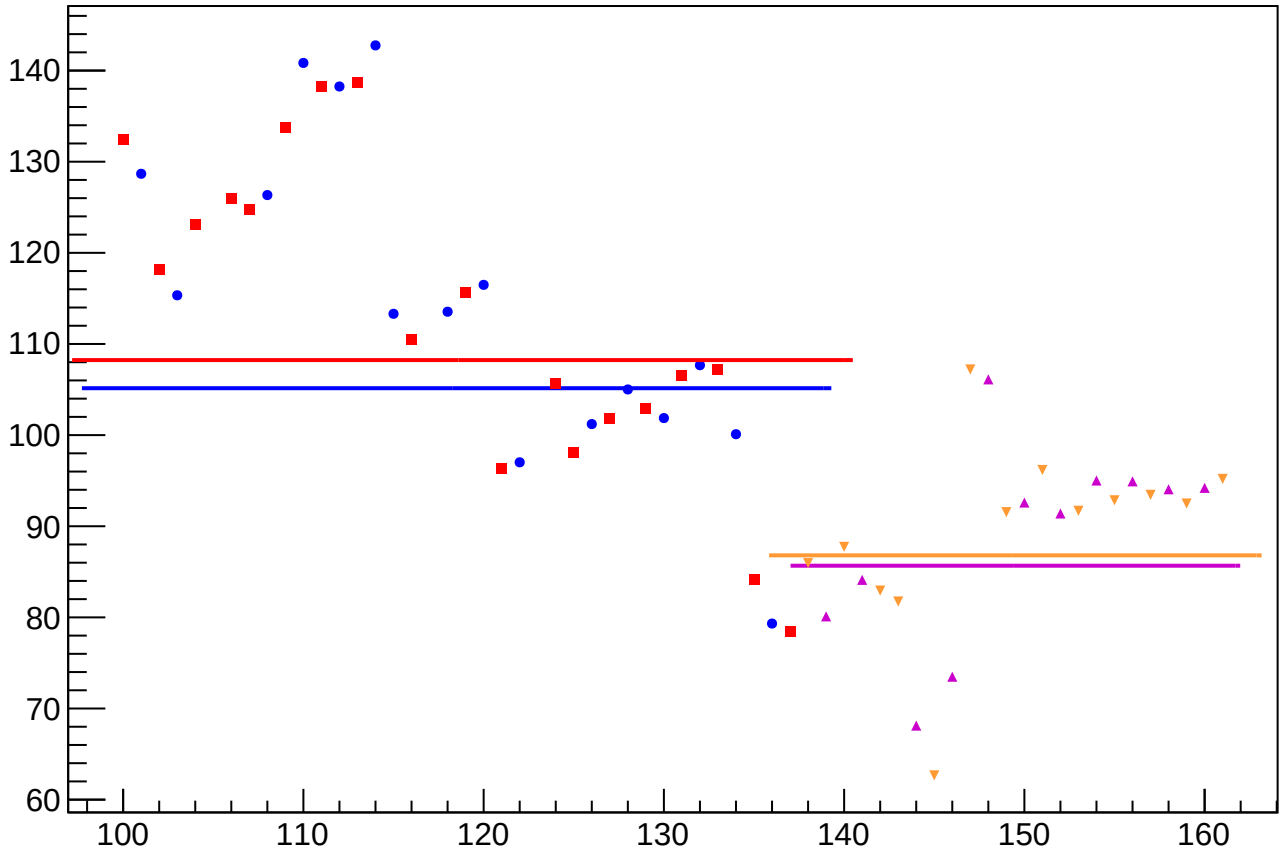
Left: 3.002+/-19.531 χ^2/NDF: 27.7/23

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 64.521+/-22.893 χ^2/NDF:22.1/26

Out: -3.264+/-22.529 χ^2/NDF:34.4/31

All: 30.086+/-16.057 χ^2/NDF: 60.9/58



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.807+/-0.019 χ^2/NDF:367575.5/12

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

Left: 86.255+/-0.014 χ^2/NDF: 682331.6/23

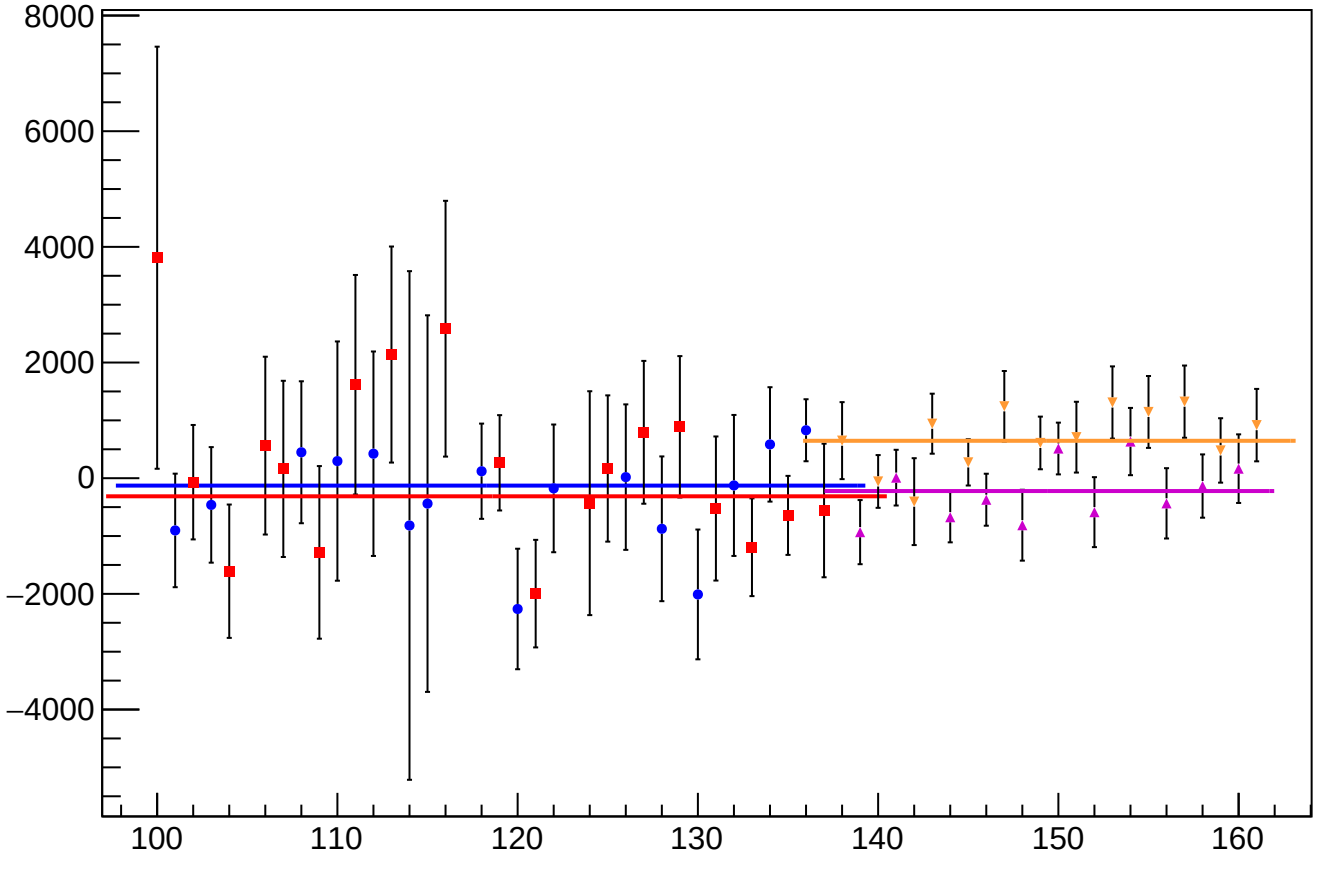
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.150+/-0.016 χ^2/NDF:1042874.8/26

Out: 93.570+/-0.016 χ^2/NDF:1108247.5/31

All: 92.871+/-0.011 χ^2/NDF: 2155030.5/58

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: 646.768+/-153.449 χ^2/NDF:9.7/12

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -222.137+/-158.052 χ^2/NDF:9.8/10

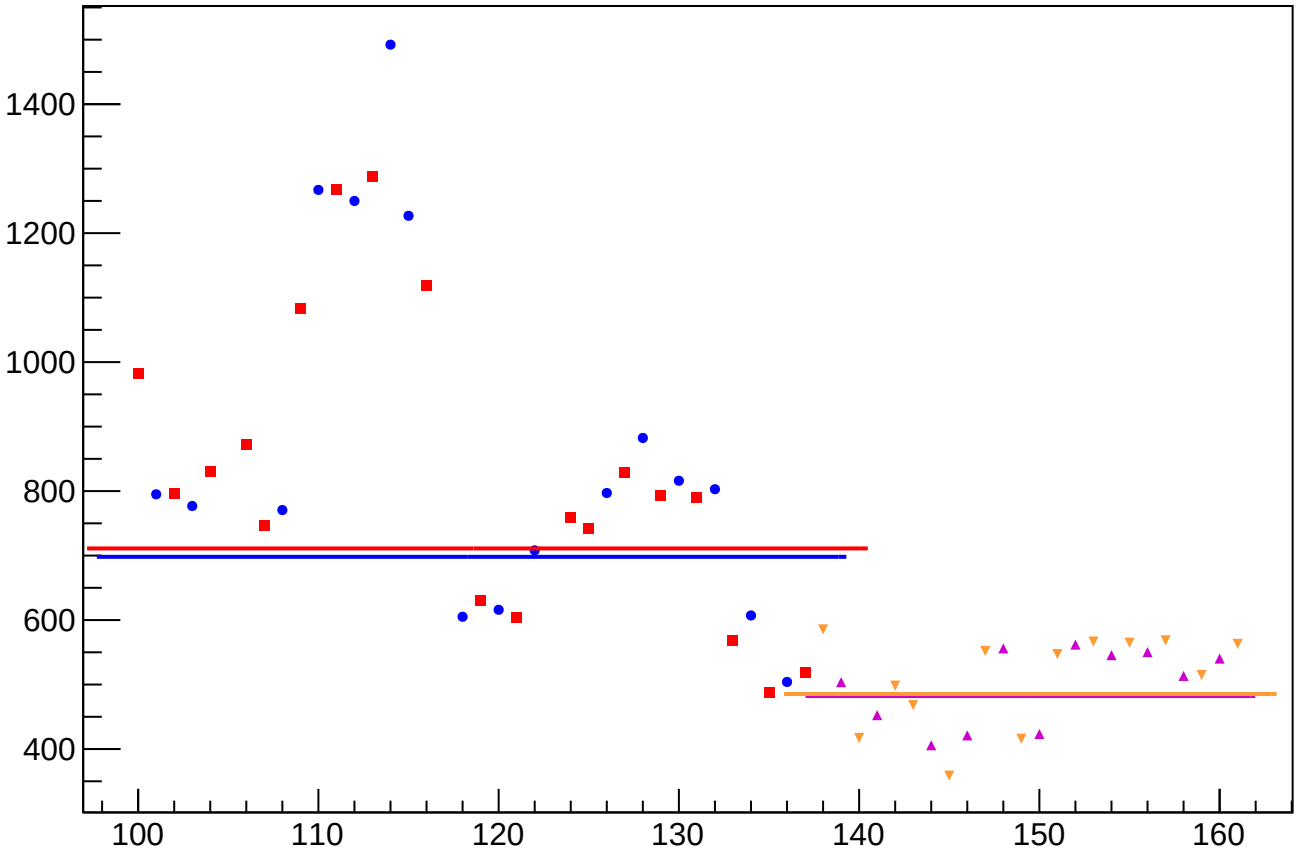
Left: 225.151+/-110.096 χ^2/NDF: 35.1/23

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -197.941+/-136.220 χ^2/NDF:22.2/26

Out: 412.612+/-133.425 χ^2/NDF:34.3/31

All: 113.664+/-95.318 χ^2/NDF: 66.7/58



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 485.280+/-0.109 χ^2/NDF:522255.8/12

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 482.179+/-0.112 χ^2/NDF:281995.4/10

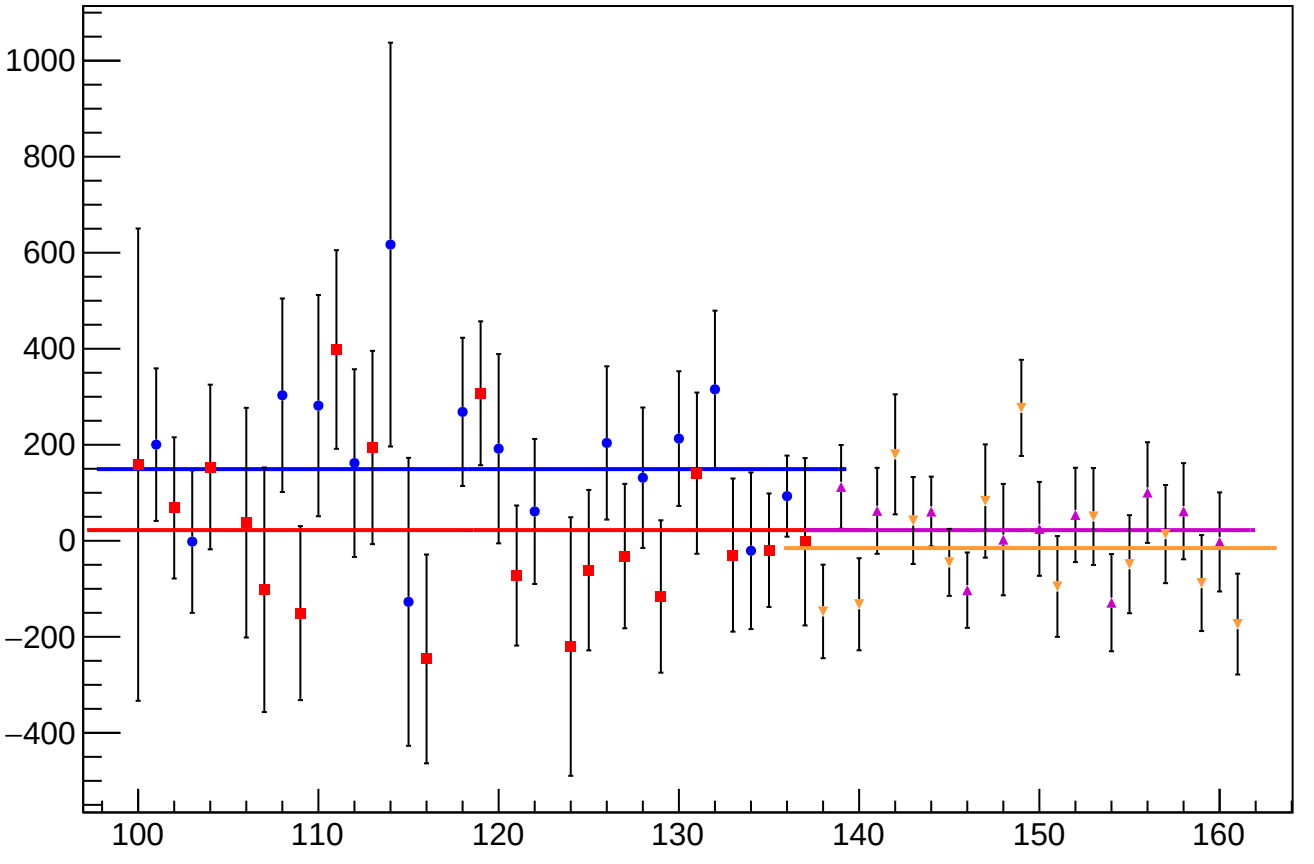
Left: 483.775+/-0.078 χ^2/NDF: 804647.3/23

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 537.698+/-0.096 χ^2/NDF:2154406.0/26

Out: 540.369+/-0.094 χ^2/NDF:2613955.4/31

All: 539.061+/-0.067 χ^2/NDF: 4768753.8/58



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -15.168+/-27.233 χ^2/NDF:19.5/12

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 22.243+/-28.025 χ^2/NDF:7.2/10

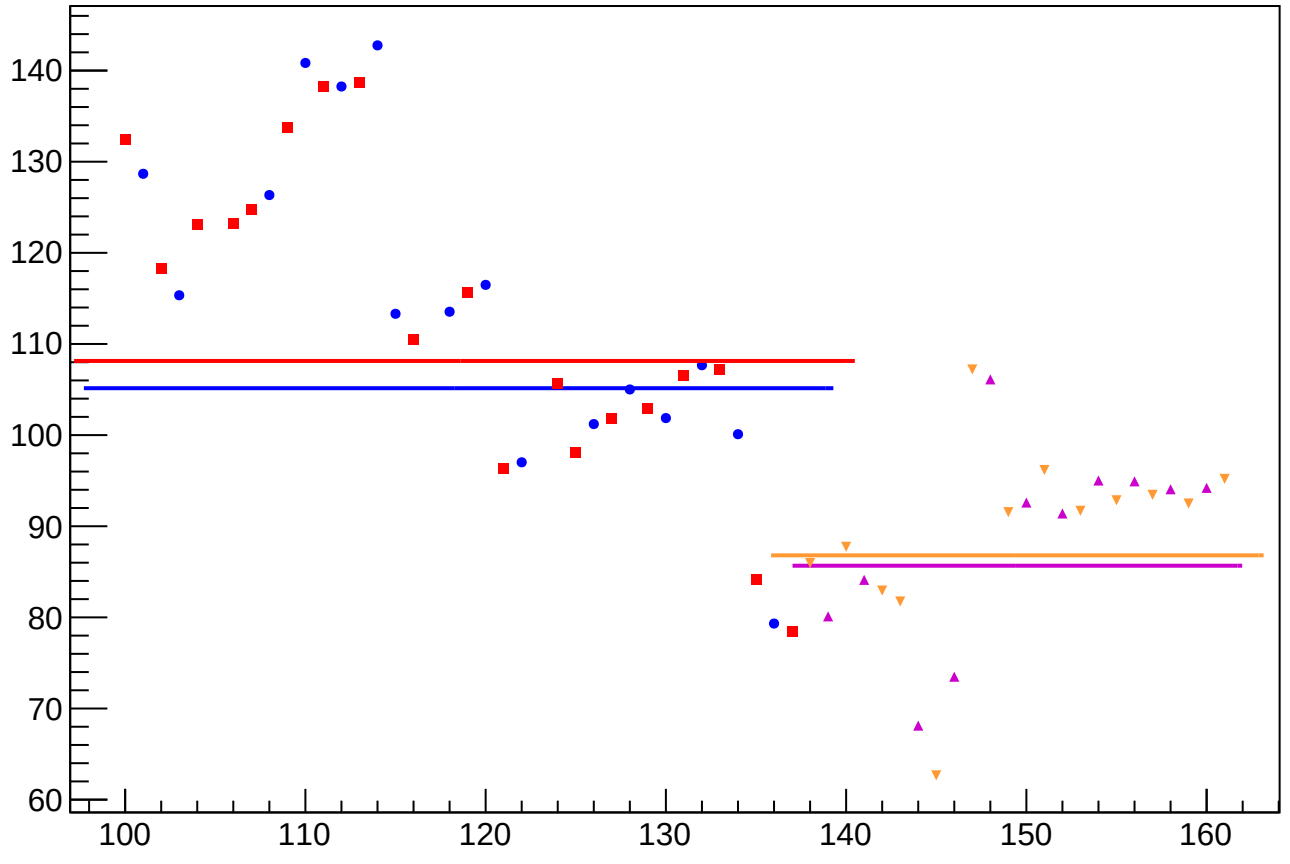
Left: 3.002+/-19.531 χ^2/NDF: 27.7/23

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 64.517+/-22.893 χ^2/NDF:22.1/26

Out: -3.352+/-22.533 χ^2/NDF:34.3/31

All: 30.045+/-16.059 χ^2/NDF: 60.9/58



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.807+/-0.019 χ^2/NDF:367575.5/12

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

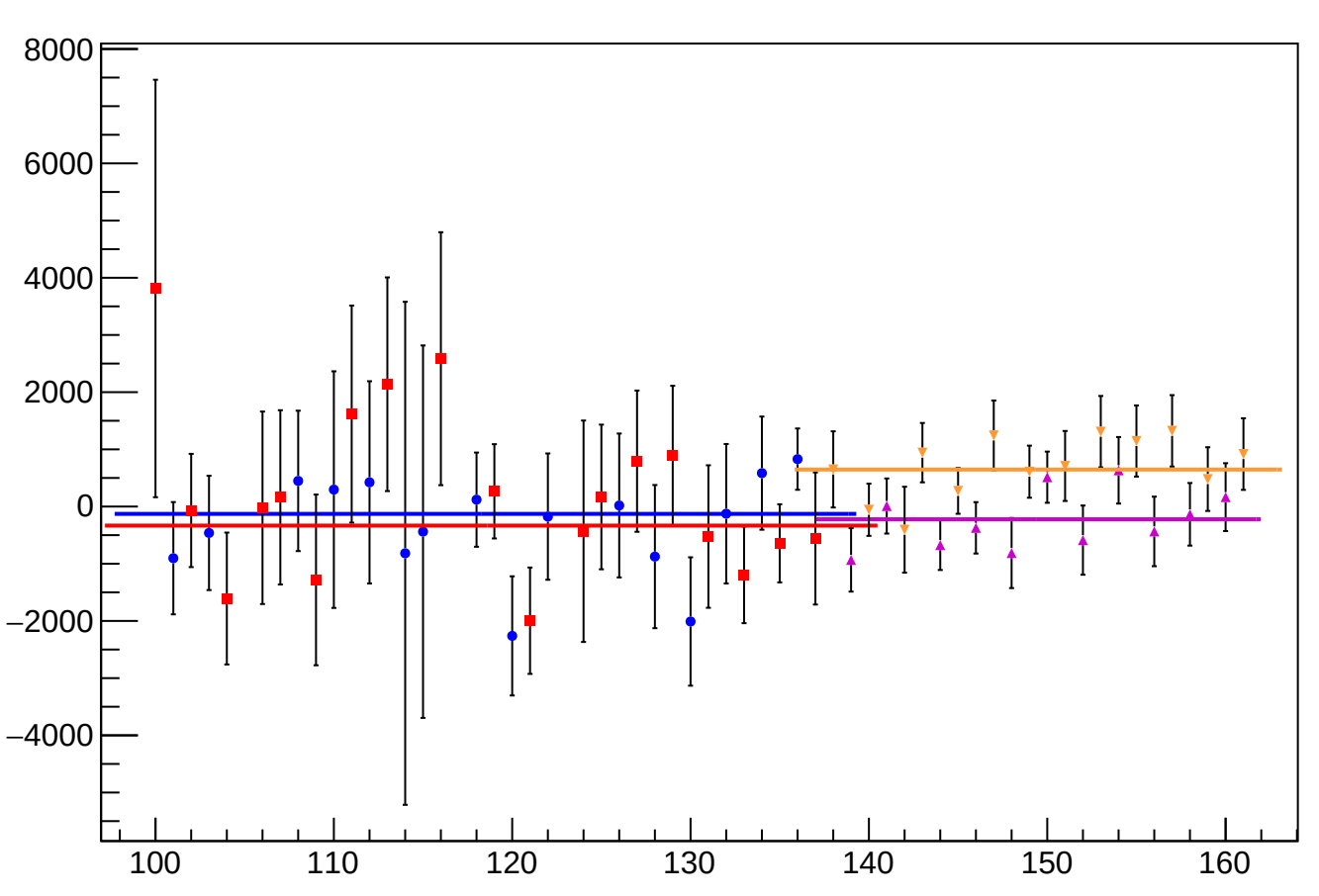
Left: 86.255+/-0.014 χ^2/NDF: 682331.7/23

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.150+/-0.016 χ^2/NDF:1042875.2/26

Out: 93.534+/-0.016 χ^2/NDF:1100833.8/31

All: 92.853+/-0.011 χ^2/NDF: 2147423.5/58



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 646.771+/-153.449 χ^2/NDF:9.7/12

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -222.137+/-158.052 χ^2/NDF:9.8/10

Left: 225.152+/-110.096 χ^2/NDF: 35.1/23

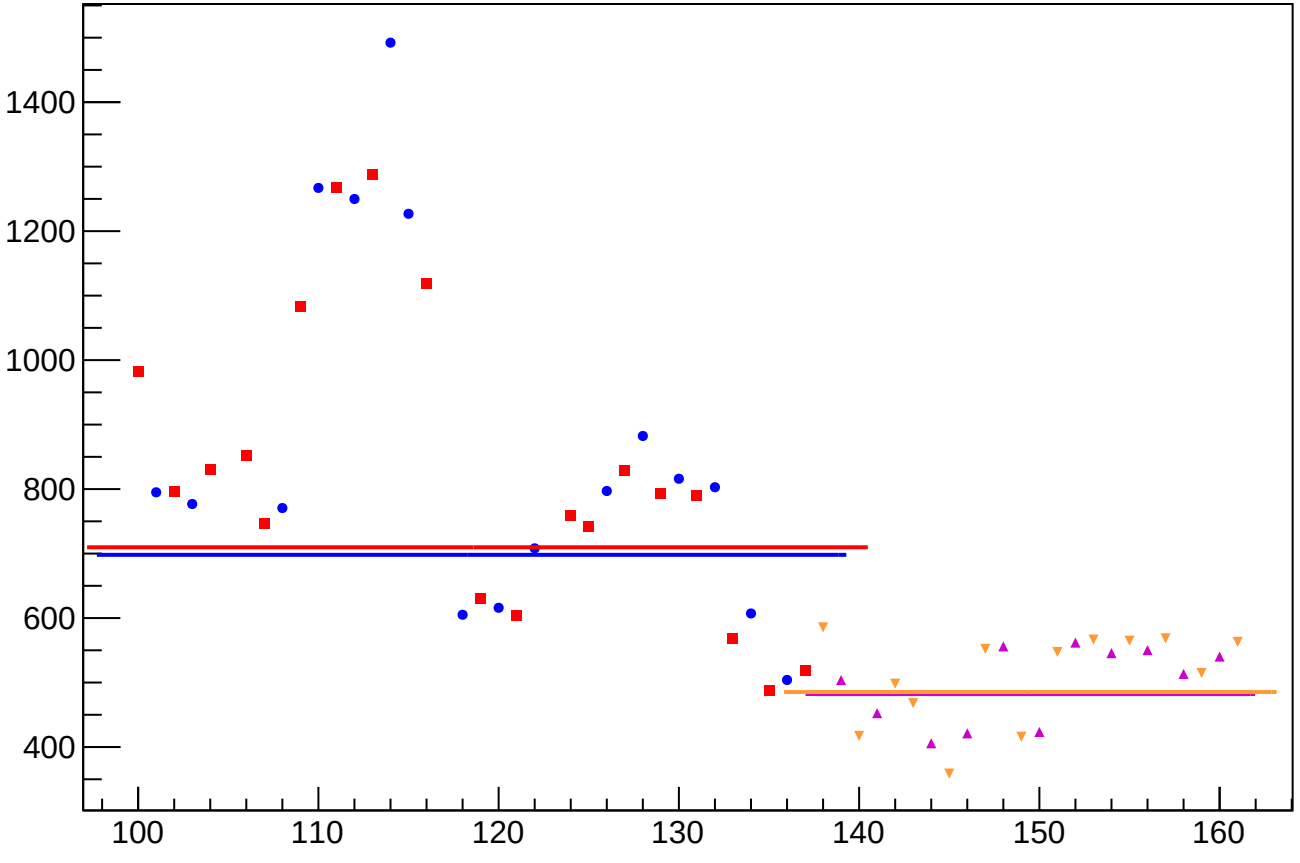
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -197.939+/-136.220 χ^2/NDF:22.2/26

Out: 408.764+/-133.509 χ^2/NDF:34.3/31

All: 111.509+/-95.349 χ^2/NDF: 66.6/58

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 485.280+/-0.109 χ^2/NDF:522257.9/12

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

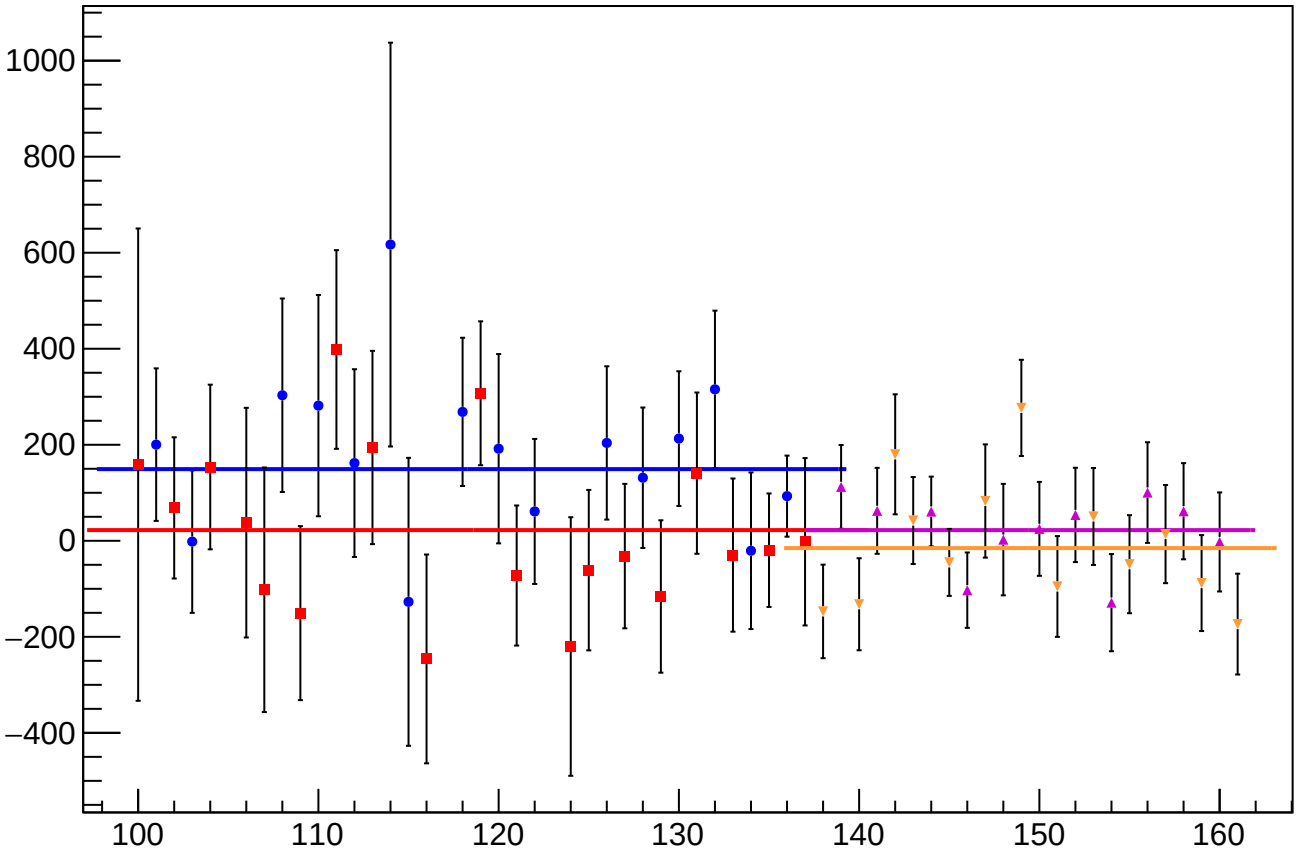
Left: 483.775+/-0.078 χ^2/NDF: 804646.7/23

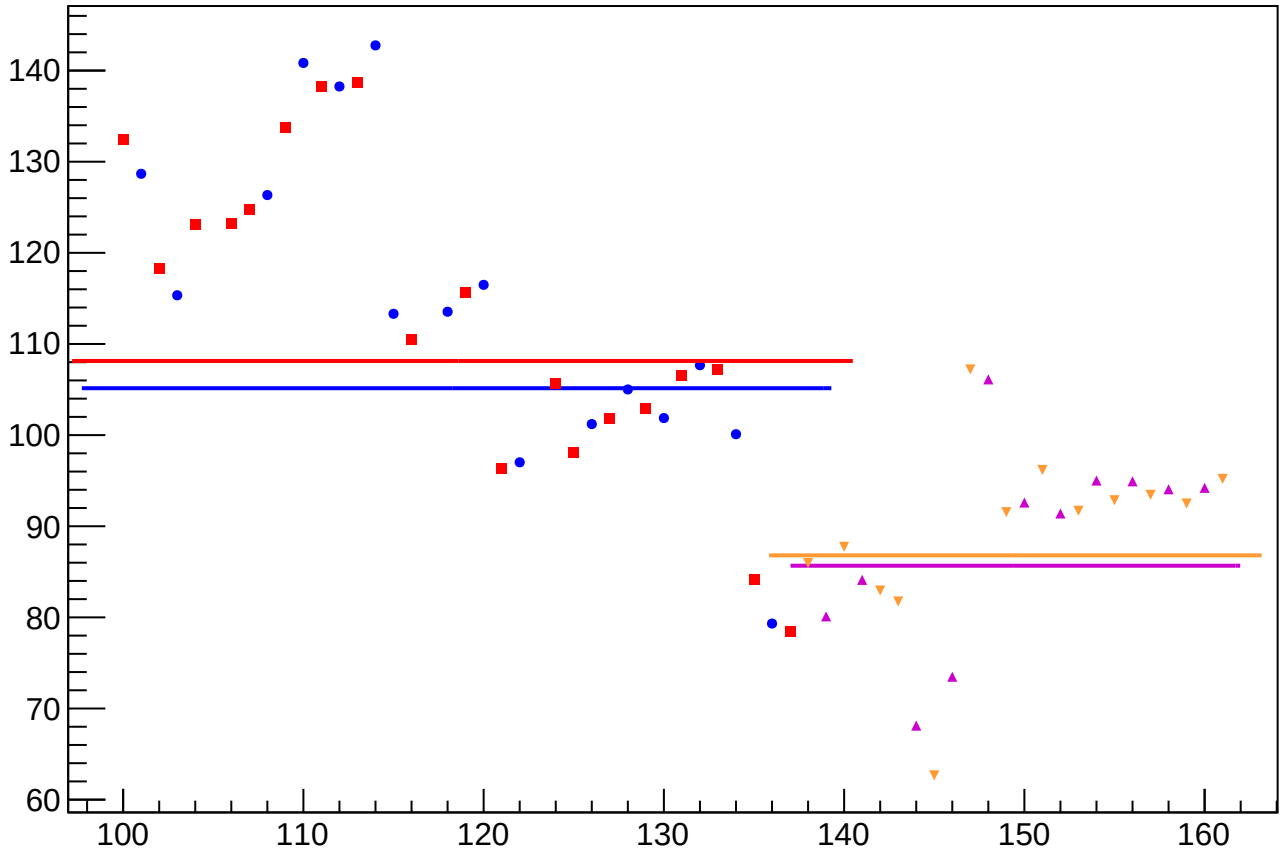
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.698+/-0.096 χ^2/NDF:2154416.2/26

Out: 539.827+/-0.094 χ^2/NDF:2589349.2/31

All: 538.784+/-0.067 χ^2/NDF: 4744014.5/58


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -15.168+/-27.233 χ²/NDF:19.5/12
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 22.243+/-28.025 χ²/NDF:7.2/10
Left: 3.002+/-19.531 χ²/NDF: 27.7/23
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 64.517+/-22.893 χ²/NDF:22.1/26
Out: -3.352+/-22.533 χ²/NDF:34.3/31
All: 30.045+/-16.059 χ²/NDF: 60.9/58



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.807+/-0.019 χ^2/NDF:367575.5/12

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

Left: 86.255+/-0.014 χ^2/NDF: 682331.7/23

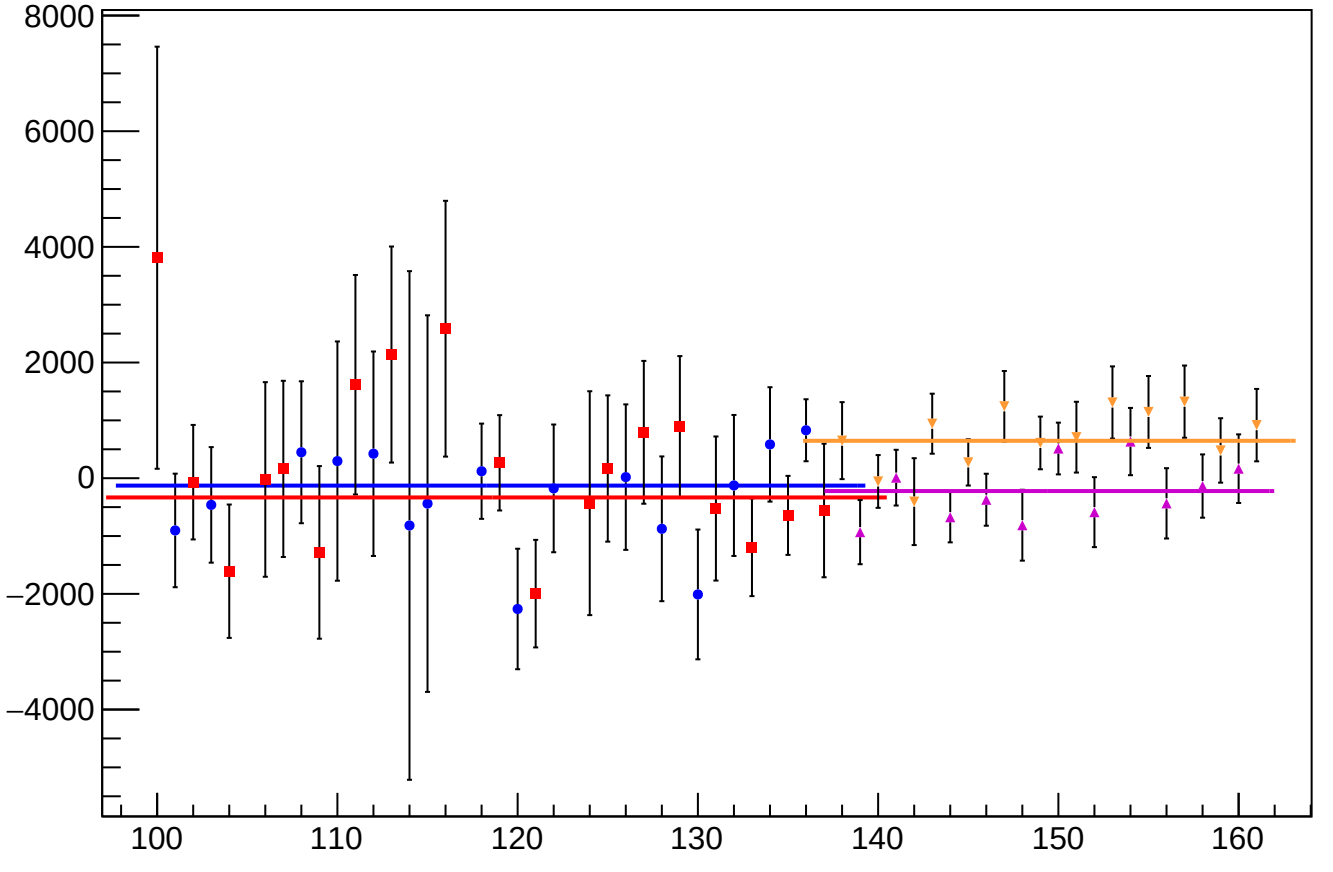
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.150+/-0.016 χ^2/NDF:1042875.2/26

Out: 93.534+/-0.016 χ^2/NDF:1100833.8/31

All: 92.853+/-0.011 χ^2/NDF: 2147423.5/58

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: 646.771+/-153.449 χ^2/NDF:9.7/12

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -222.137+/-158.052 χ^2/NDF:9.8/10

Left: 225.152+/-110.096 χ^2/NDF: 35.1/23

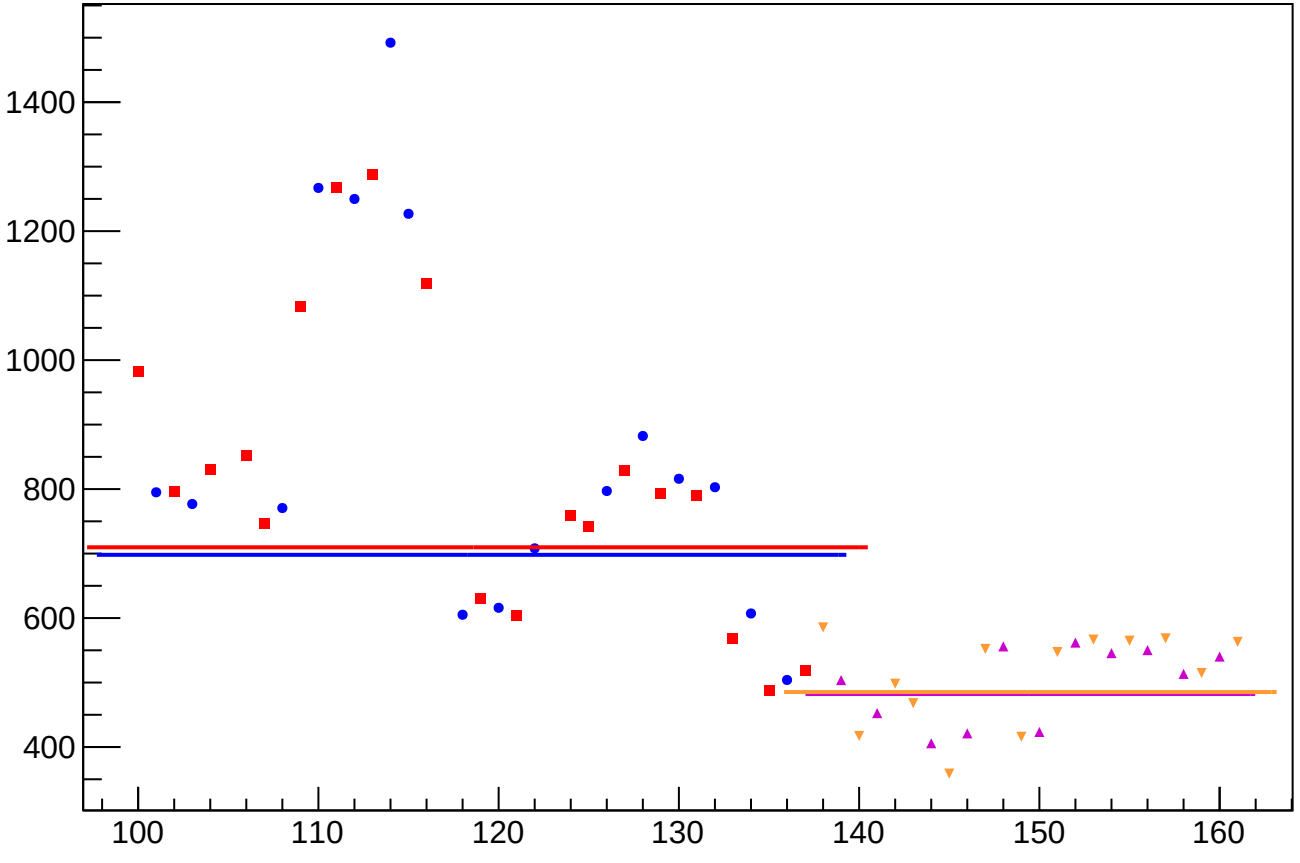
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -197.939+/-136.220 χ^2/NDF:22.2/26

Out: 408.764+/-133.509 χ^2/NDF:34.3/31

All: 111.509+/-95.349 χ^2/NDF: 66.6/58

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: 485.280+/-0.109 χ^2/NDF:522257.9/12

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

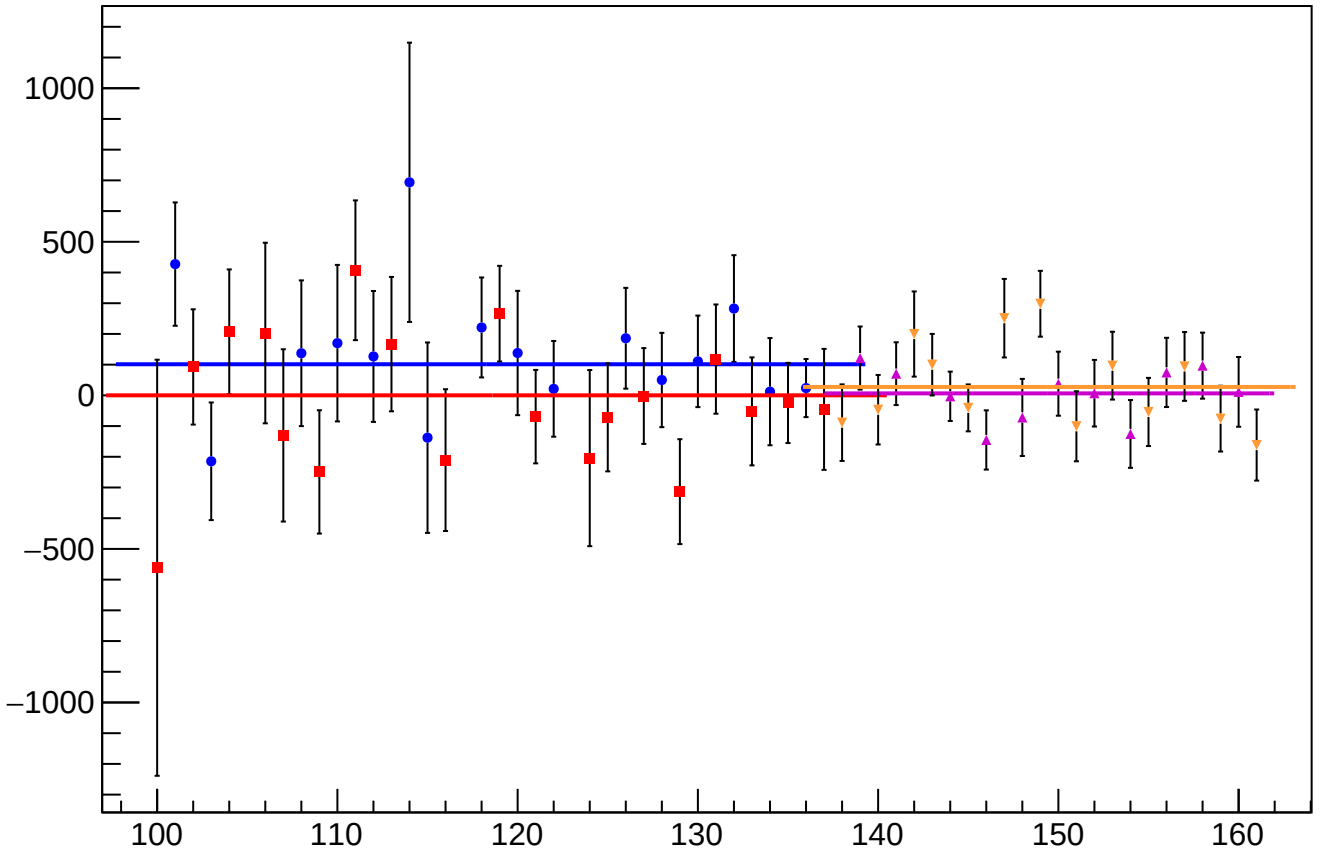
Left: 483.775+/-0.078 χ^2/NDF: 804646.7/23

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 537.698+/-0.096 χ^2/NDF:2154416.2/26

Out: 539.827+/-0.094 χ^2/NDF:2589349.2/31

All: 538.784+/-0.067 χ^2/NDF: 4744014.5/58



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 27.309+/-30.217 χ^2/NDF:19.8/12

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 6.405+/-31.335 χ^2/NDF:7.1/10

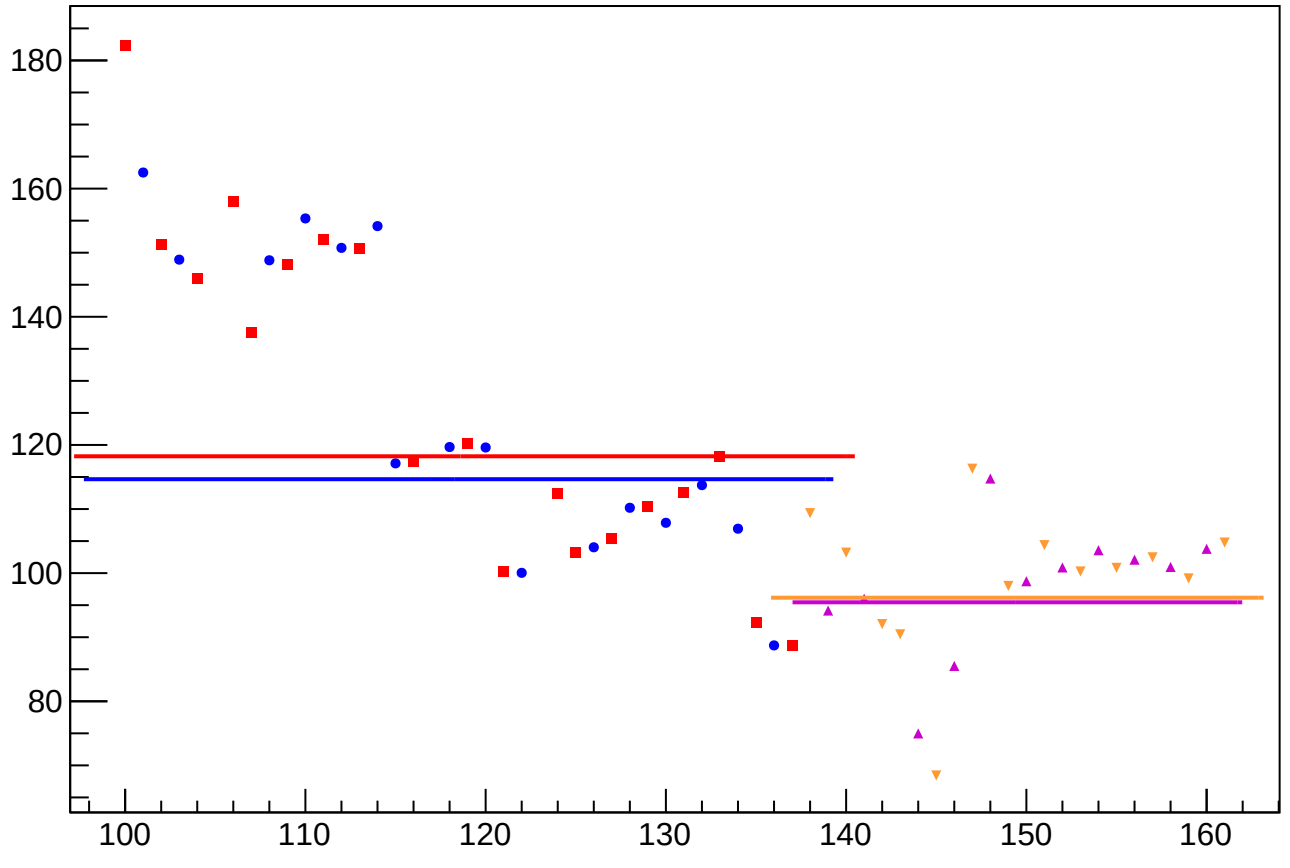
Left: 17.237+/-21.751 χ^2/NDF: 27.1/23

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 38.807+/-25.427 χ^2/NDF:21.3/26

Out: 18.607+/-24.915 χ^2/NDF:36.6/31

All: 28.501+/-17.796 χ^2/NDF: 58.2/58



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.168+/-0.021 χ^2/NDF:387801.6/12

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.447+/-0.022 χ^2/NDF:239553.4/10

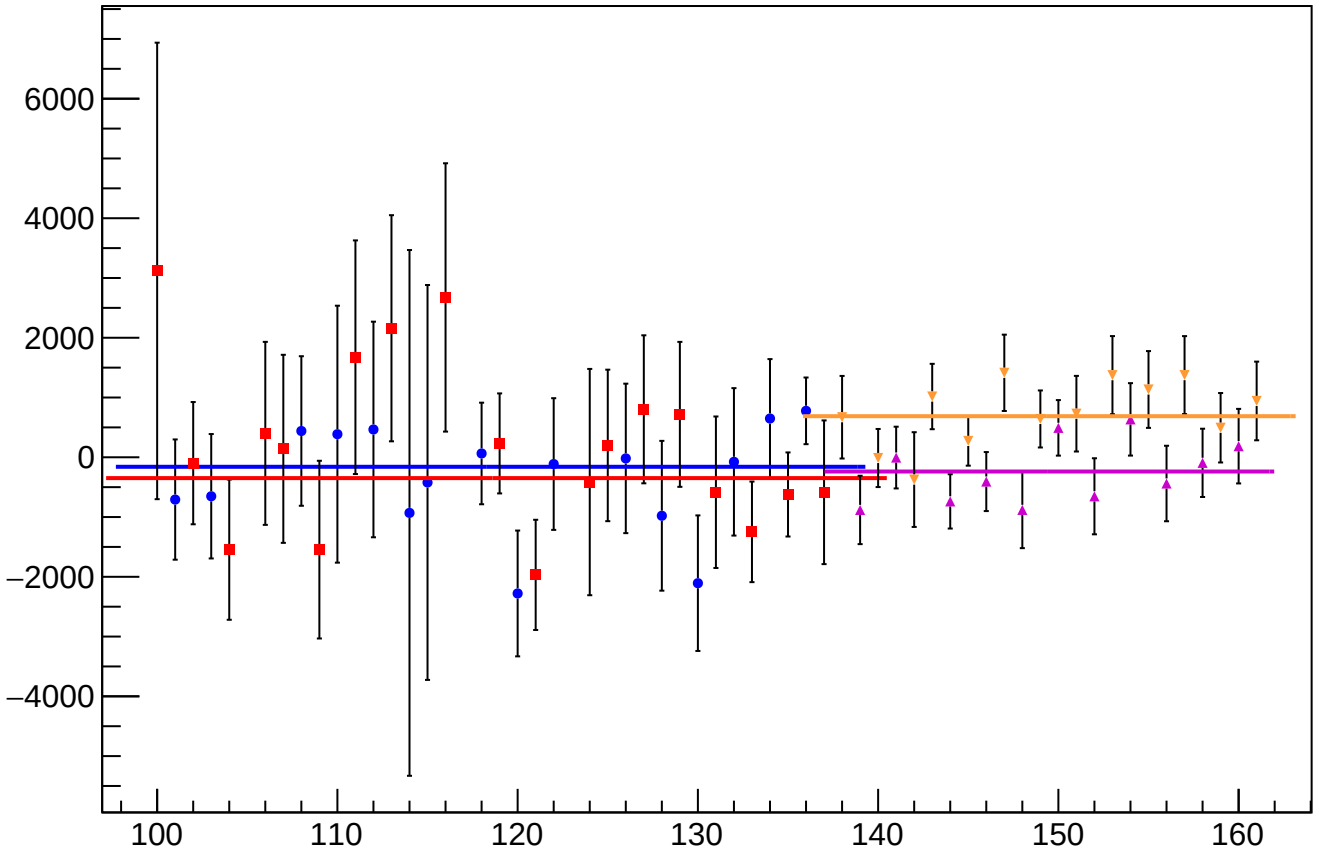
Left: 95.820+/-0.015 χ^2/NDF: 627903.5/23

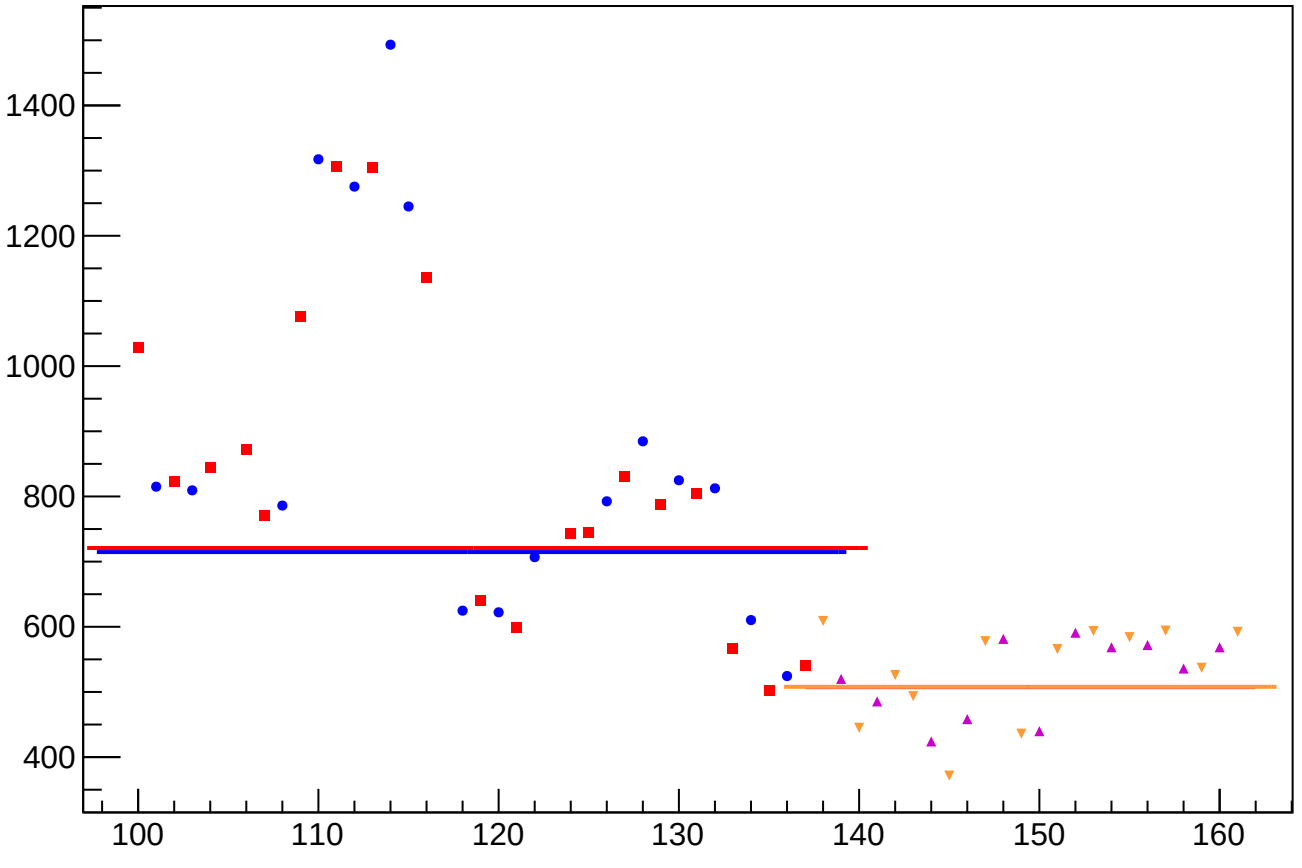
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.007+/-0.018 χ^2/NDF:1028190.0/26

Out: 103.231+/-0.018 χ^2/NDF:1212550.8/31

All: 102.631+/-0.013 χ^2/NDF: 2243104.9/58


asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -159.110+/-274.558 χ²/NDF: 12.0/15
Left Out: 687.435+/-160.484 χ²/NDF:9.5/12
Right Out: -348.528+/-273.595 χ²/NDF: 14.3/18
Left In: -238.276+/-166.310 χ²/NDF:9.4/10
Left: 241.078+/-115.484 χ²/NDF: 34.9/23
Right: -254.152+/-193.800 χ²/NDF: 26.5/34
In: -217.026+/-142.248 χ²/NDF:21.4/26
Out: 422.238+/-138.427 χ²/NDF:34.5/31
All: 111.308+/-99.206 χ²/NDF: 66.3/58



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 507.890+/-0.113 χ^2/NDF:517016.9/12

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 507.378+/-0.118 χ^2/NDF:260691.7/10

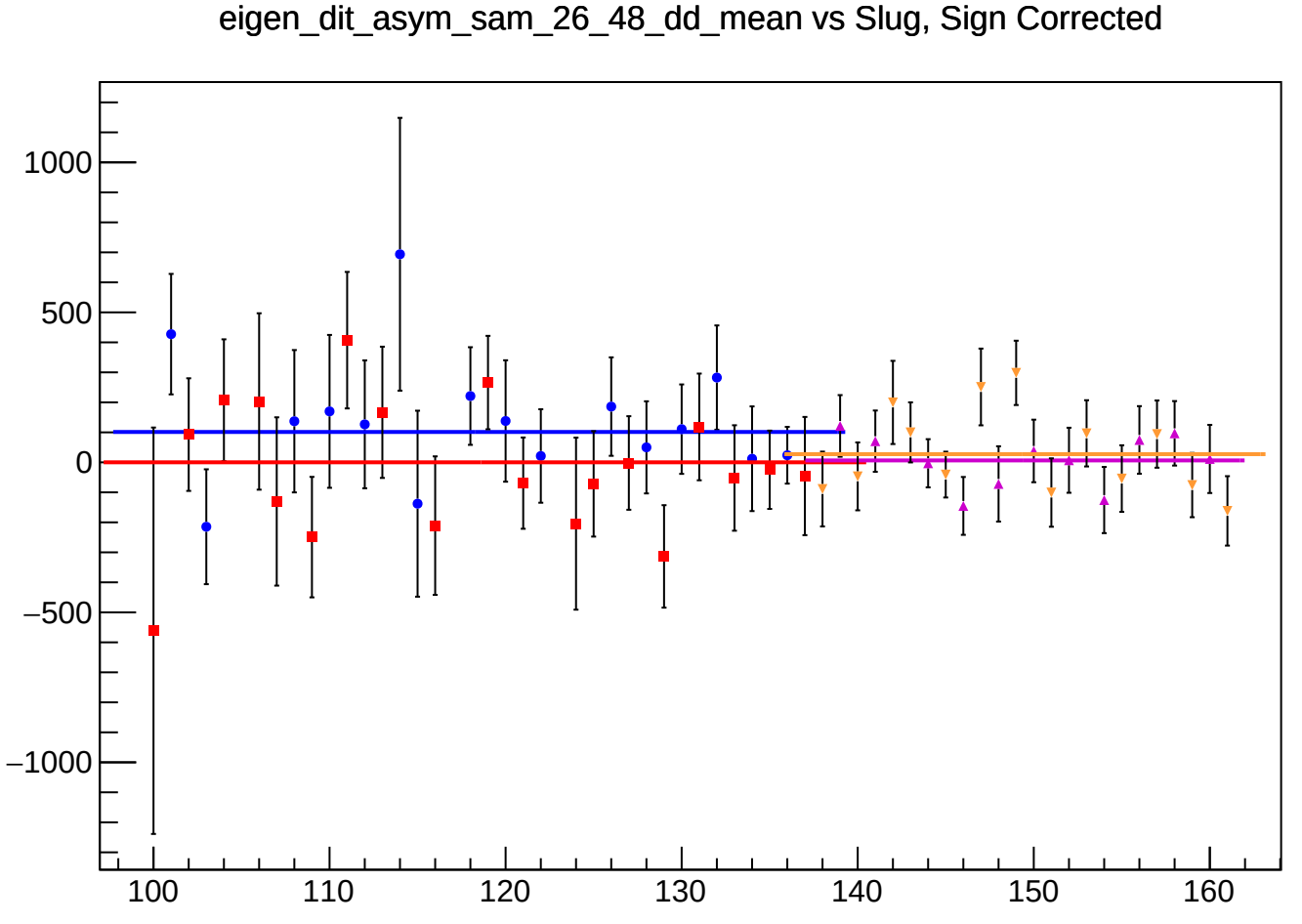
Left: 507.643+/-0.082 χ^2/NDF: 777718.3/23

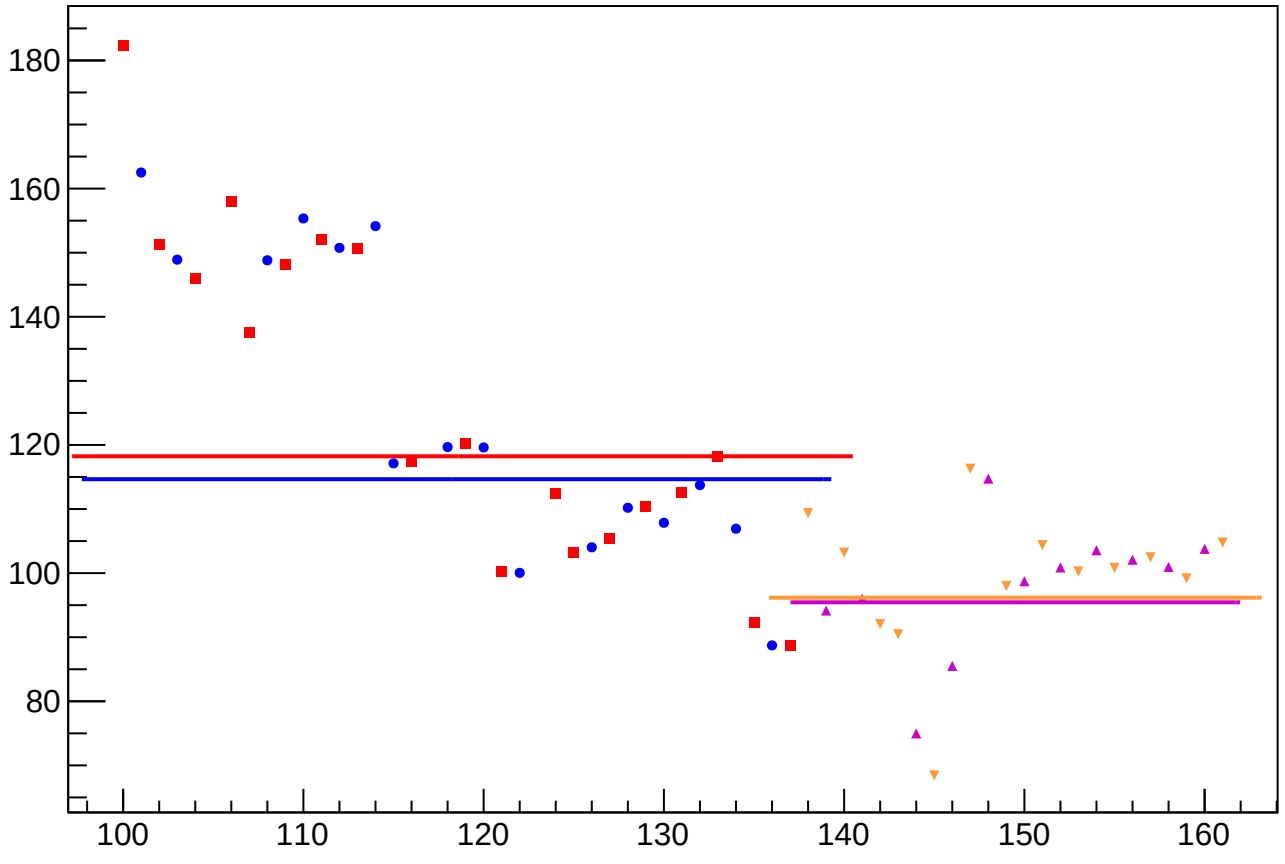
Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.020+/-0.101 χ^2/NDF:1970912.4/26

Out: 562.414+/-0.098 χ^2/NDF:2437295.0/31

All: 562.709+/-0.070 χ^2/NDF: 4408226.0/58


eigen_dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: 101.278+/-43.510 χ²/NDF: 11.0/15
Left Out: 27.308+/-30.217 χ²/NDF:19.8/12
Right Out: 0.125+/-44.035 χ²/NDF: 16.6/18
Left In: 6.404+/-31.335 χ²/NDF:7.1/10
Left: 17.236+/-21.751 χ²/NDF: 27.1/23
Right: 51.308+/-30.950 χ²/NDF: 30.3/34
In: 38.806+/-25.427 χ²/NDF:21.3/26
Out: 18.606+/-24.915 χ²/NDF:36.6/31
All: 28.500+/-17.796 χ²/NDF: 58.2/58



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.168+/-0.021 χ^2/NDF:387807.2/12

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.447+/-0.022 χ^2/NDF:239554.3/10

Left: 95.820+/-0.015 χ^2/NDF: 627909.9/23

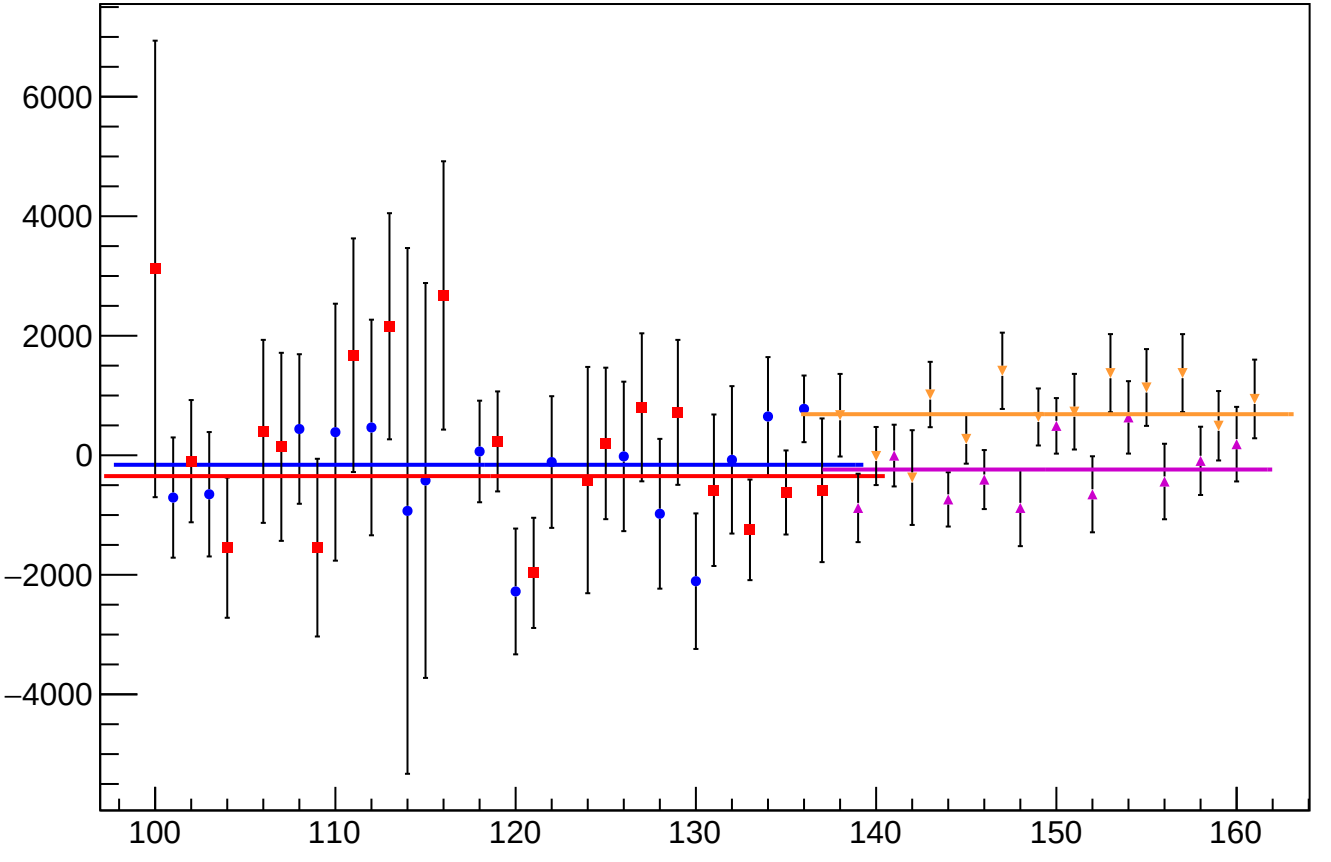
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.007+/-0.018 χ^2/NDF:1028179.2/26

Out: 103.231+/-0.018 χ^2/NDF:1212548.9/31

All: 102.631+/-0.013 χ^2/NDF: 2243091.9/58

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: 687.434+/-160.484 χ^2/NDF:9.5/12

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -238.276+/-166.310 χ^2/NDF:9.4/10

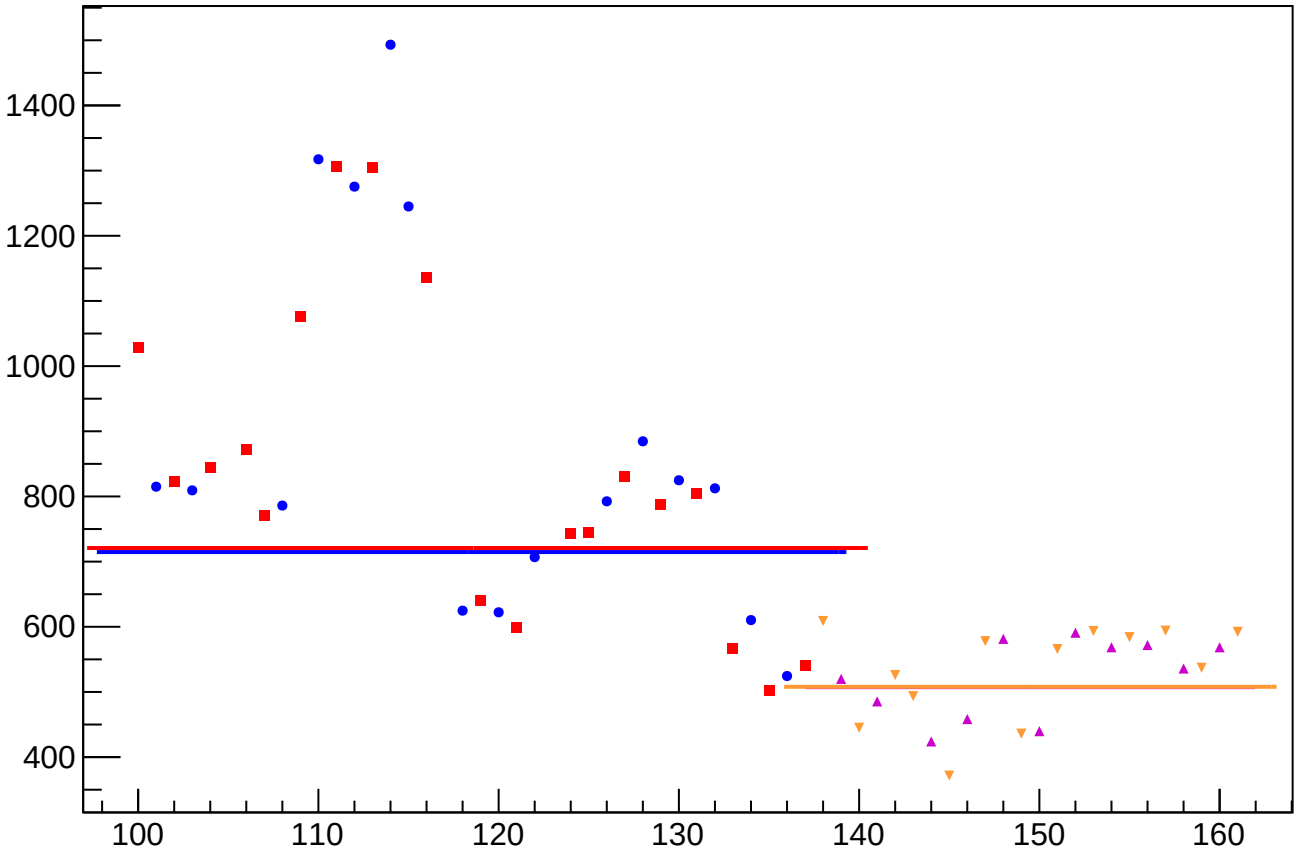
Left: 241.078+/-115.484 χ^2/NDF: 34.9/23

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -217.027+/-142.248 χ^2/NDF:21.4/26

Out: 422.237+/-138.427 χ^2/NDF:34.5/31

All: 111.308+/-99.206 χ^2/NDF: 66.3/58



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 507.890+/-0.113 χ^2/NDF:517018.4/12

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 507.379+/-0.118 χ^2/NDF:260689.8/10

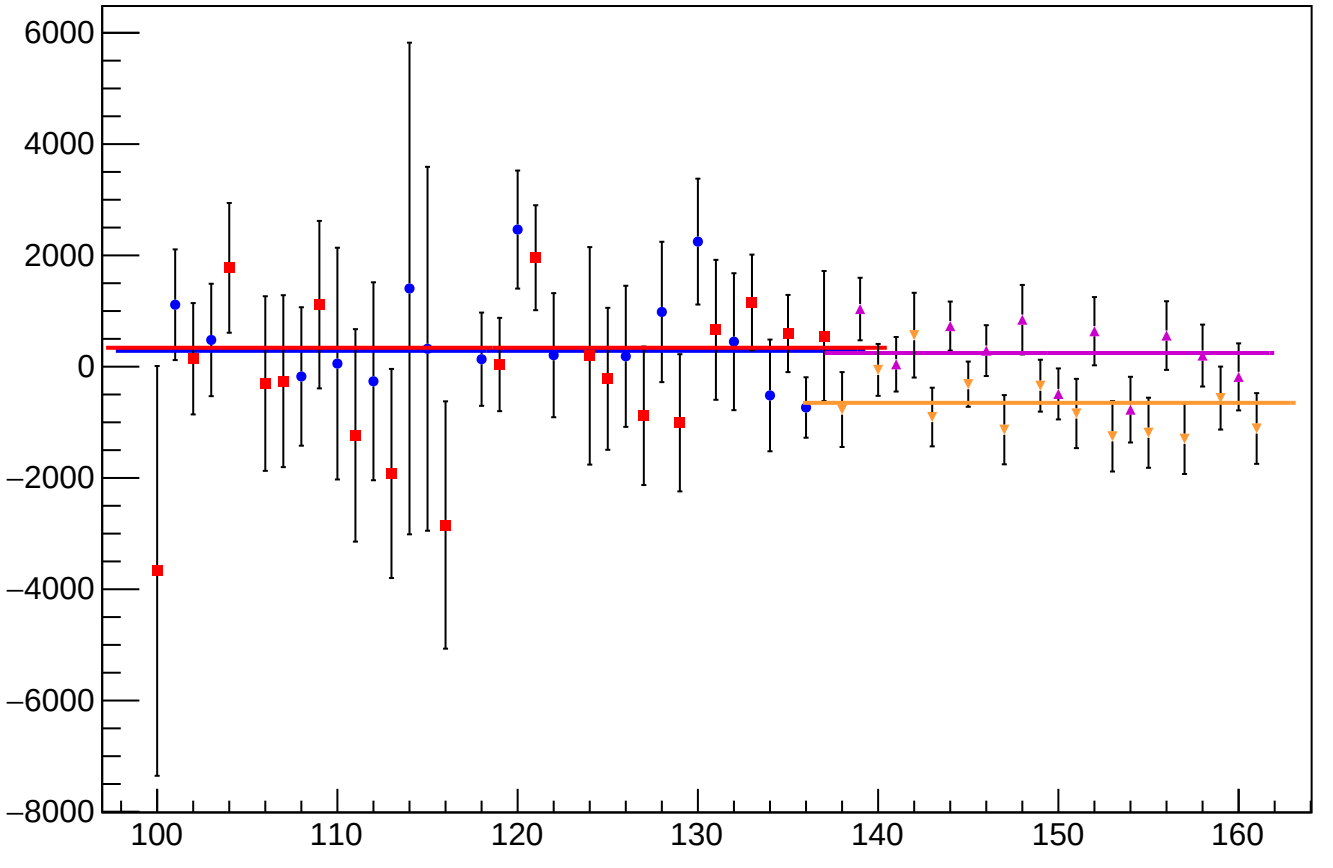
Left: 507.643+/-0.082 χ^2/NDF: 777718.0/23

Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.020+/-0.101 χ^2/NDF:1970902.5/26

Out: 562.414+/-0.098 χ^2/NDF:2437287.6/31

All: 562.709+/-0.070 χ^2/NDF: 4408208.8/58



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -649.889+/-156.037 χ^2/NDF:9.5/12

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 245.729+/-160.667 χ^2/NDF:11.0/10

Left: -215.170+/-111.936 χ^2/NDF: 36.5/23

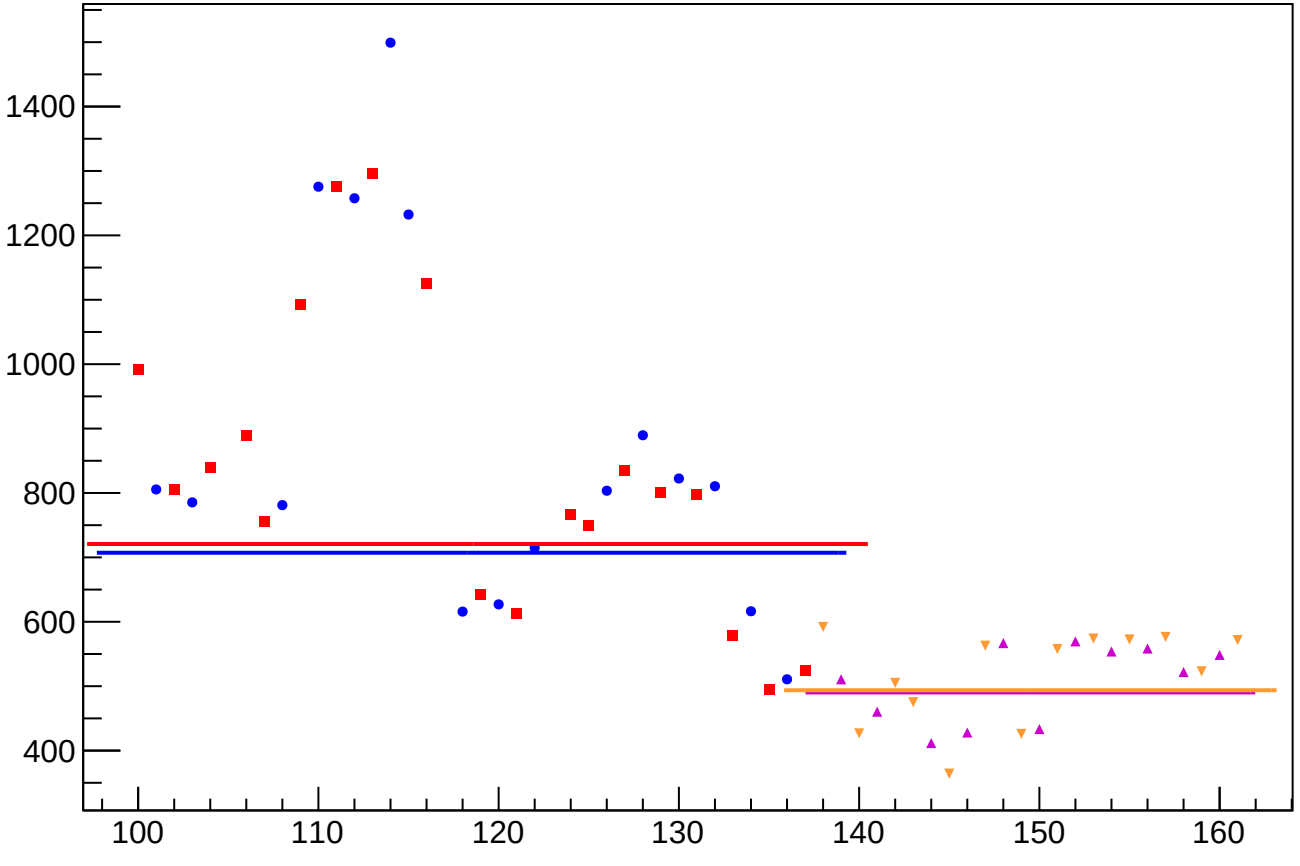
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 255.833+/-138.328 χ^2/NDF:23.8/26

Out: -406.940+/-135.543 χ^2/NDF:33.4/31

All: -82.292+/-96.813 χ^2/NDF: 68.9/58

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 493.726+/-0.110 χ^2/NDF:511269.1/12

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 490.297+/-0.114 χ^2/NDF:277964.0/10

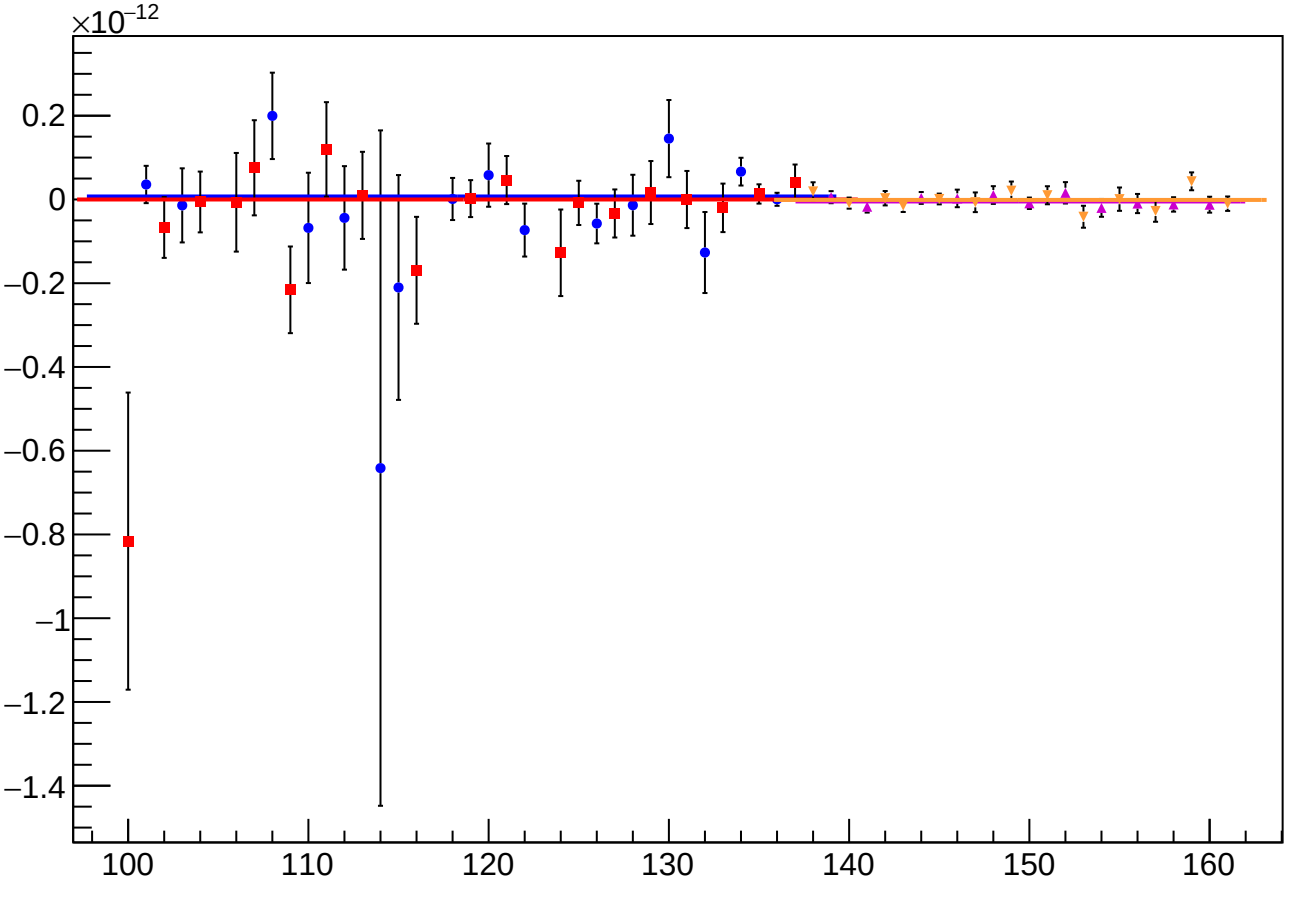
Left: 492.062+/-0.079 χ^2/NDF: 789702.0/23

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.421+/-0.098 χ^2/NDF:2117869.0/26

Out: 549.451+/-0.096 χ^2/NDF:2565854.6/31

All: 547.966+/-0.068 χ^2/NDF: 4684213.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/10

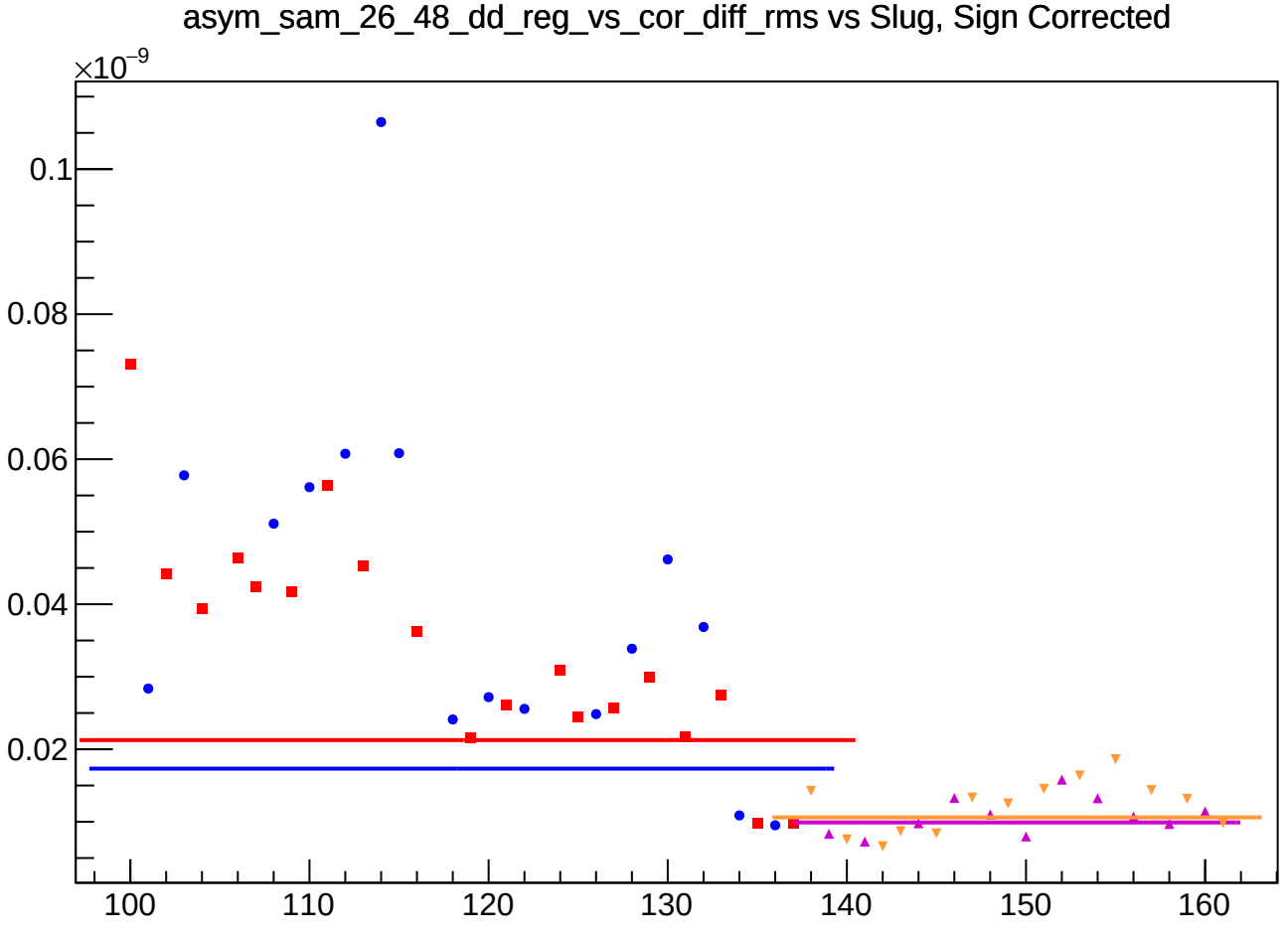
Left: -0.000+/-0.000 χ^2/NDF: 15.6/23

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:22.2/26

Out: -0.000+/-0.000 χ^2/NDF:29.2/31

All: -0.000+/-0.000 χ^2/NDF: 51.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:804425.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:362436.9/10

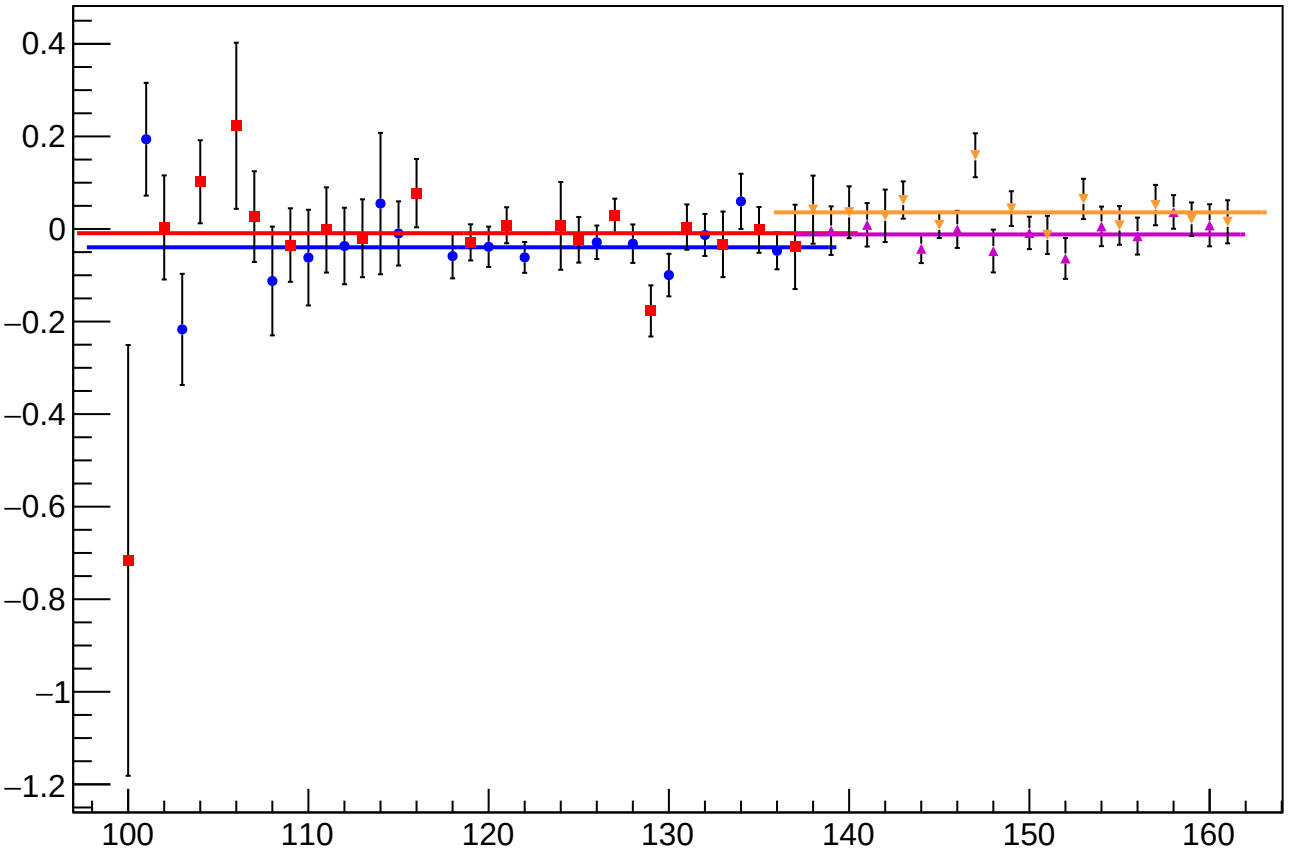
Left: 0.000+/-0.000 χ^2/NDF: 1185104.8/23

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3423643.6/26

Out: 0.000+/-0.000 χ^2/NDF:3575804.0/31

All: 0.000+/-0.000 χ^2/NDF: 7028000.0/58



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.012+/-0.012 χ^2/NDF:5.4/10

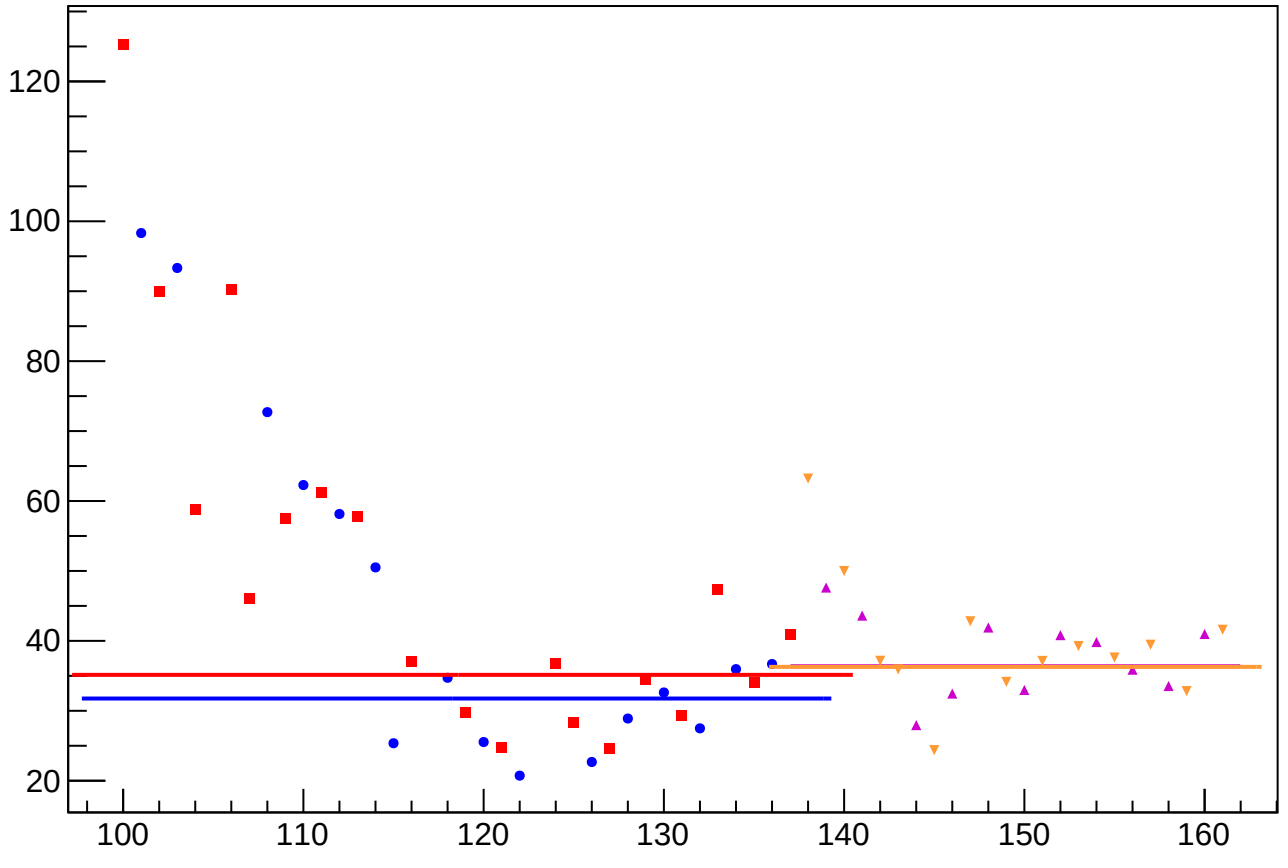
Left: 0.013+/-0.008 χ^2/NDF: 24.3/23

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/31

All: -0.004+/-0.006 χ^2/NDF: 66.5/58



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.284+/-0.008 χ^2/NDF:857089.6/12

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

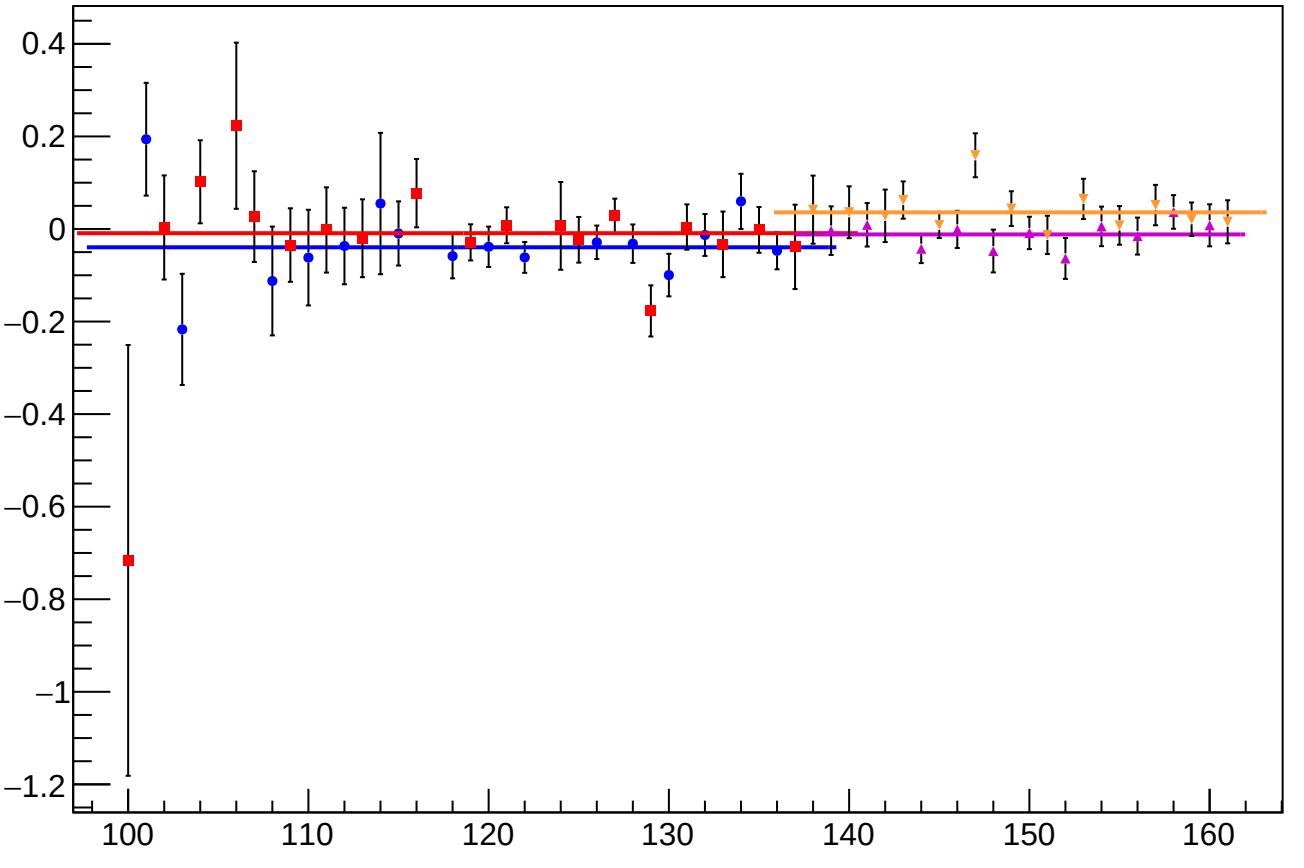
Left: 36.326+/-0.006 χ^2/NDF: 1276175.5/23

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.233+/-0.006 χ^2/NDF:2803456.1/26

Out: 35.819+/-0.006 χ^2/NDF:2709520.8/31

All: 35.020+/-0.004 χ^2/NDF: 5544096.6/58



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.008 χ^2/NDF: 24.3/23

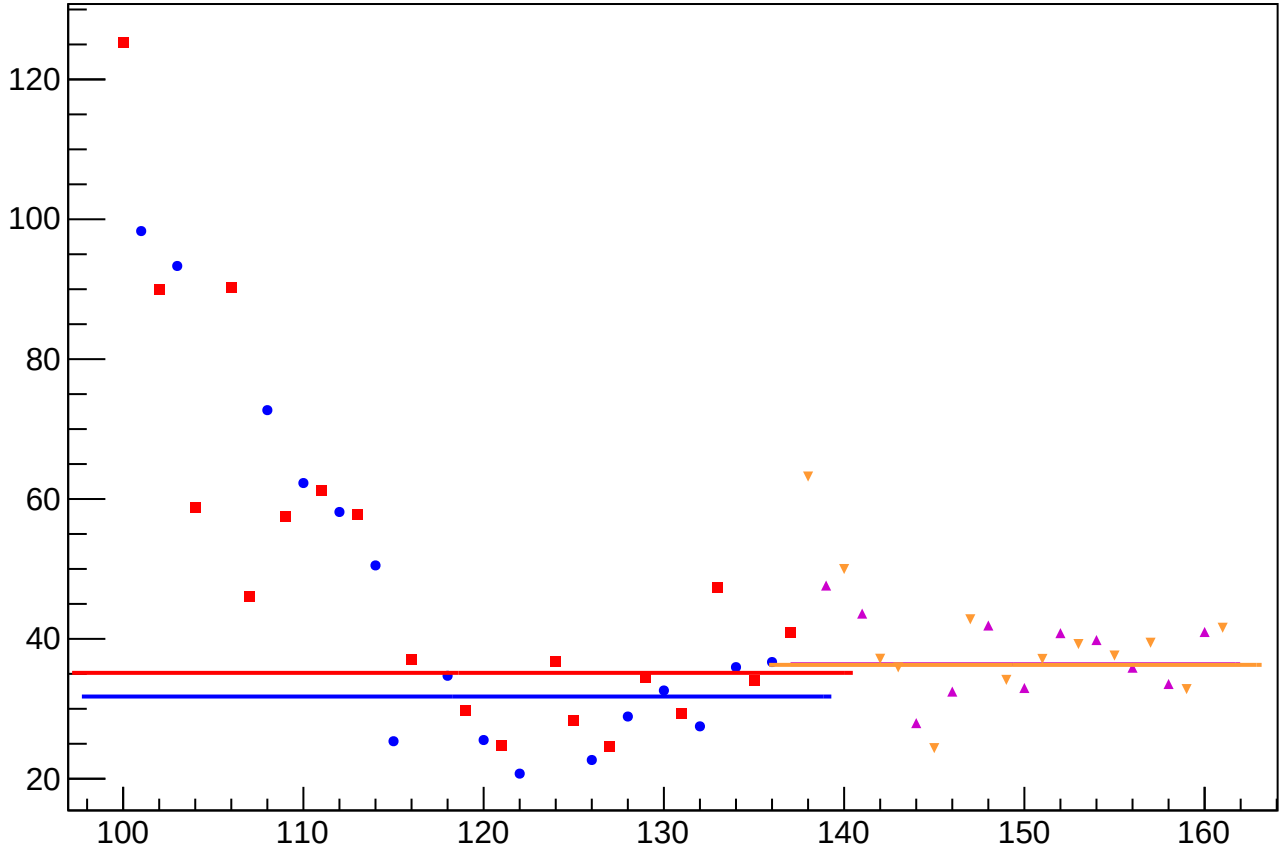
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/31

All: -0.004+/-0.006 χ^2/NDF: 66.5/58

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.284+/-0.008 χ^2/NDF:857089.6/12

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

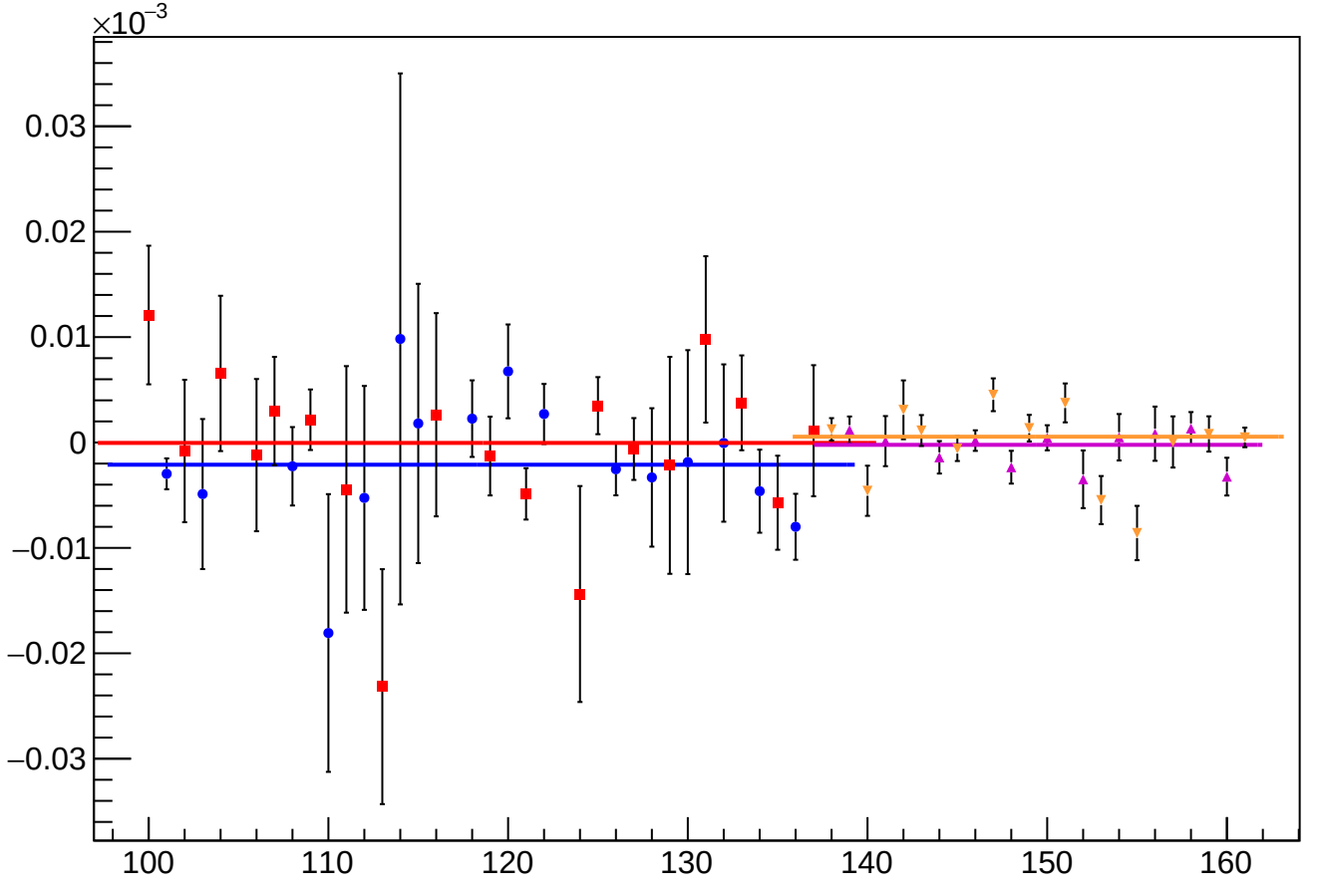
Left: 36.326+/-0.006 χ^2/NDF: 1276175.5/23

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.233+/-0.006 χ^2/NDF:2803456.1/26

Out: 35.819+/-0.006 χ^2/NDF:2709520.8/31

All: 35.020+/-0.004 χ^2/NDF: 5544096.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/10

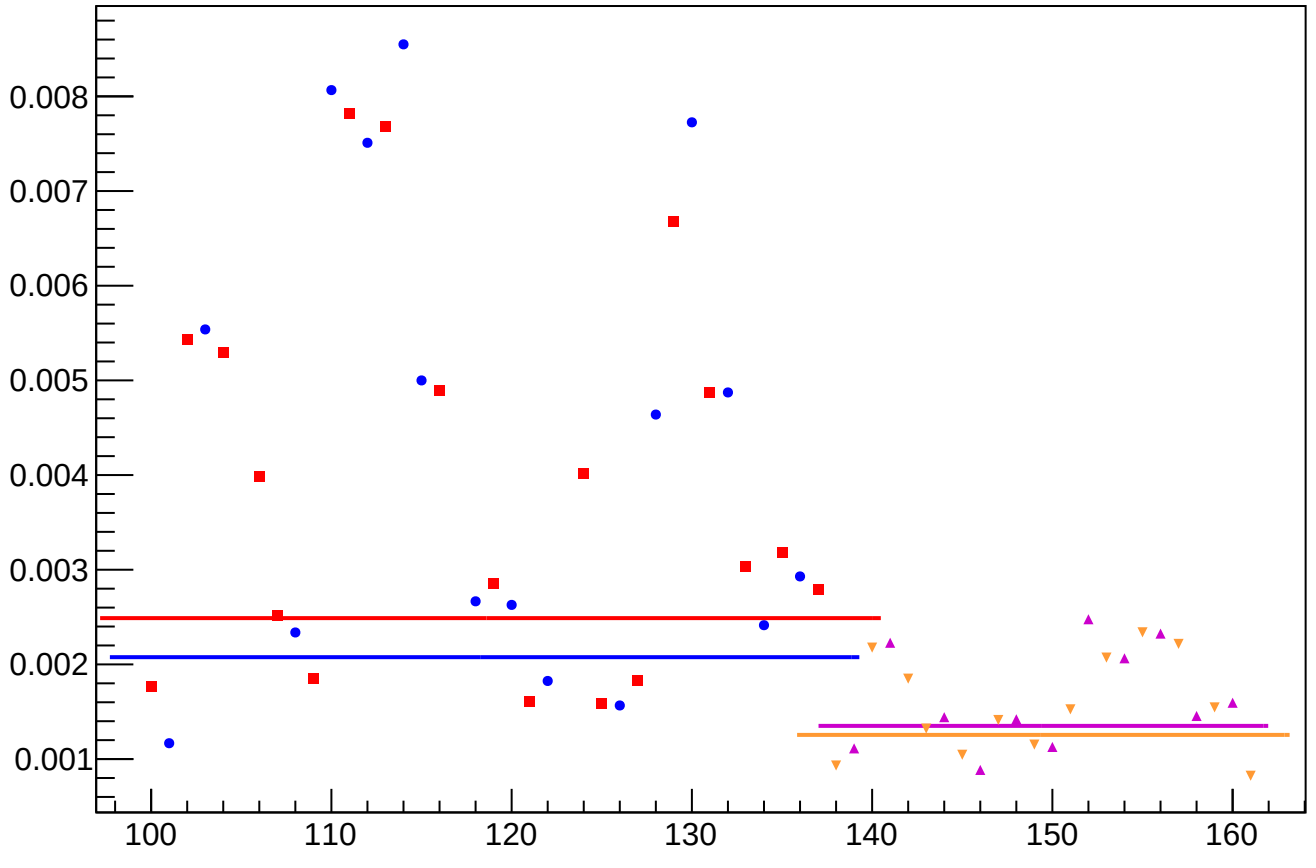
Left: 0.000+/-0.000 χ^2/NDF: 47.7/23

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:27.8/26

Out: 0.000+/-0.000 χ^2/NDF:58.2/31

All: -0.000+/-0.000 χ^2/NDF: 89.6/58



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2133597.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1757588.6/10

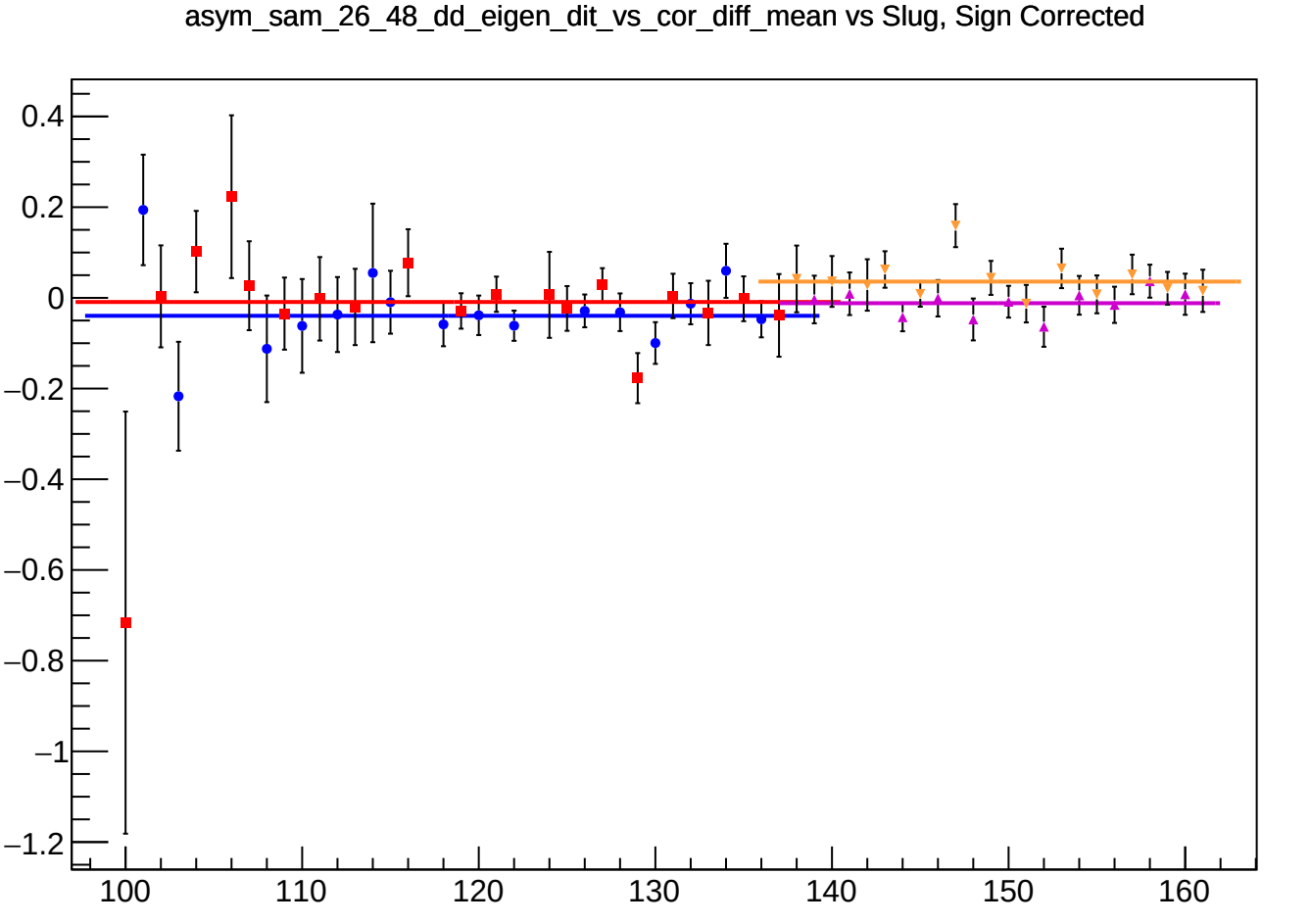
Left: 0.001+/-0.000 χ^2/NDF: 3937410.5/23

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:6681914.2/26

Out: 0.001+/-0.000 χ^2/NDF:7640102.2/31

All: 0.001+/-0.000 χ^2/NDF: 14358040.7/58



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.008 χ^2/NDF: 24.3/23

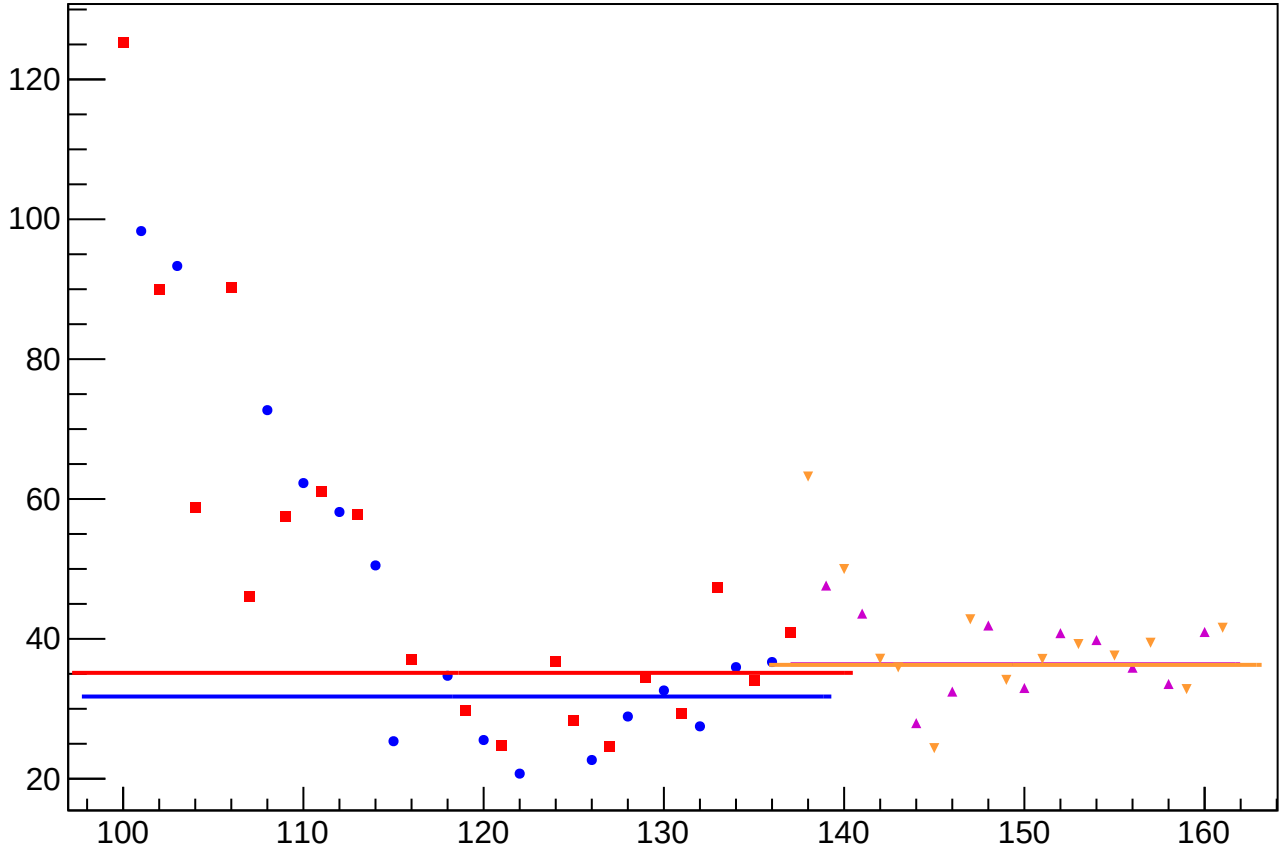
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/31

All: -0.004+/-0.006 χ^2/NDF: 66.5/58

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.284+/-0.008 χ^2/NDF:857118.3/12

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

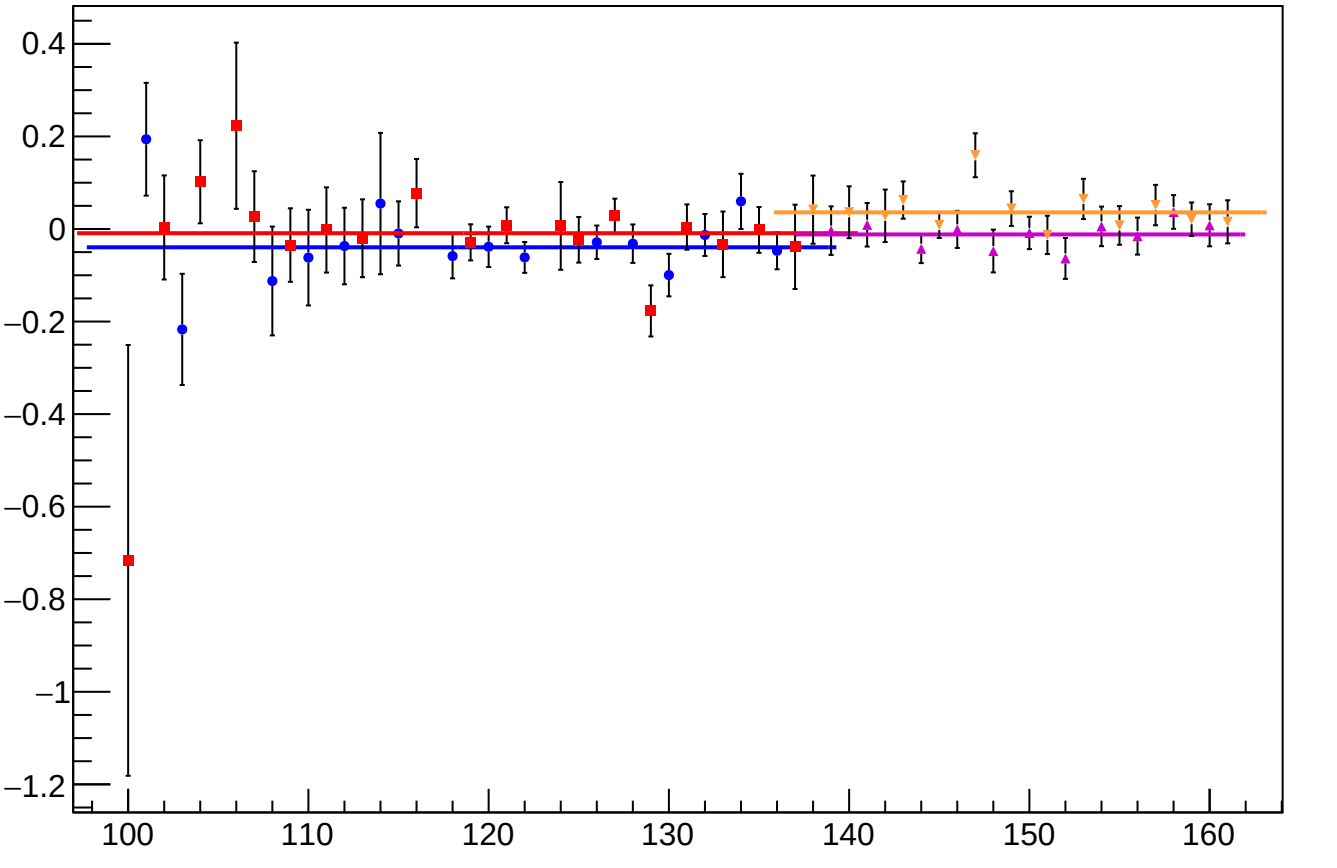
Left: 36.326+/-0.006 χ^2/NDF: 1276205.5/23

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.233+/-0.006 χ^2/NDF:2803419.0/26

Out: 35.820+/-0.006 χ^2/NDF:2709440.5/31

All: 35.020+/-0.004 χ^2/NDF: 5543978.1/58



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.012+/-0.012 χ^2/NDF:5.4/10

Left: 0.013+/-0.008 χ^2/NDF: 24.3/23

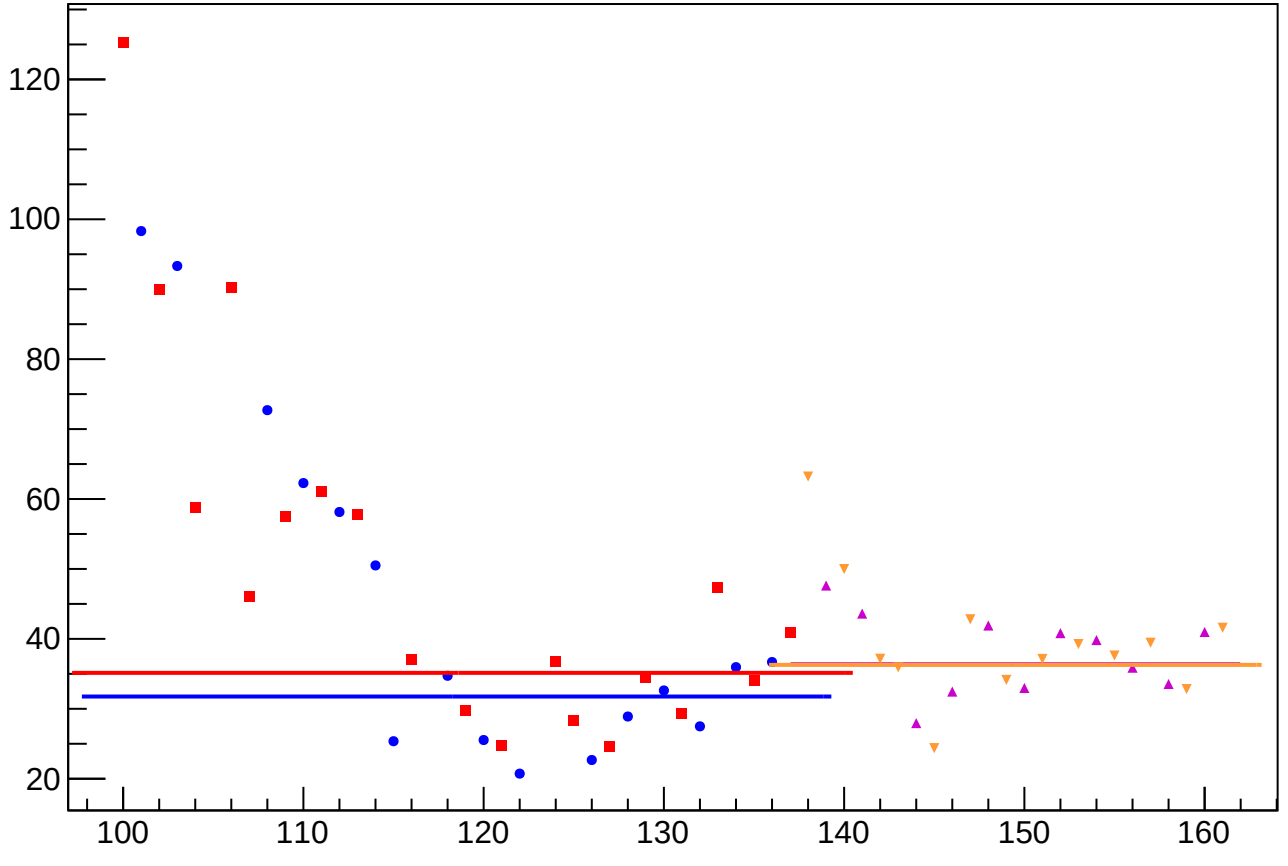
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.025+/-0.009 χ^2/NDF:20.2/26

Out: 0.018+/-0.009 χ^2/NDF:35.3/31

All: -0.004+/-0.006 χ^2/NDF: 66.5/58

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.284+/-0.008 χ^2/NDF:857118.3/12

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

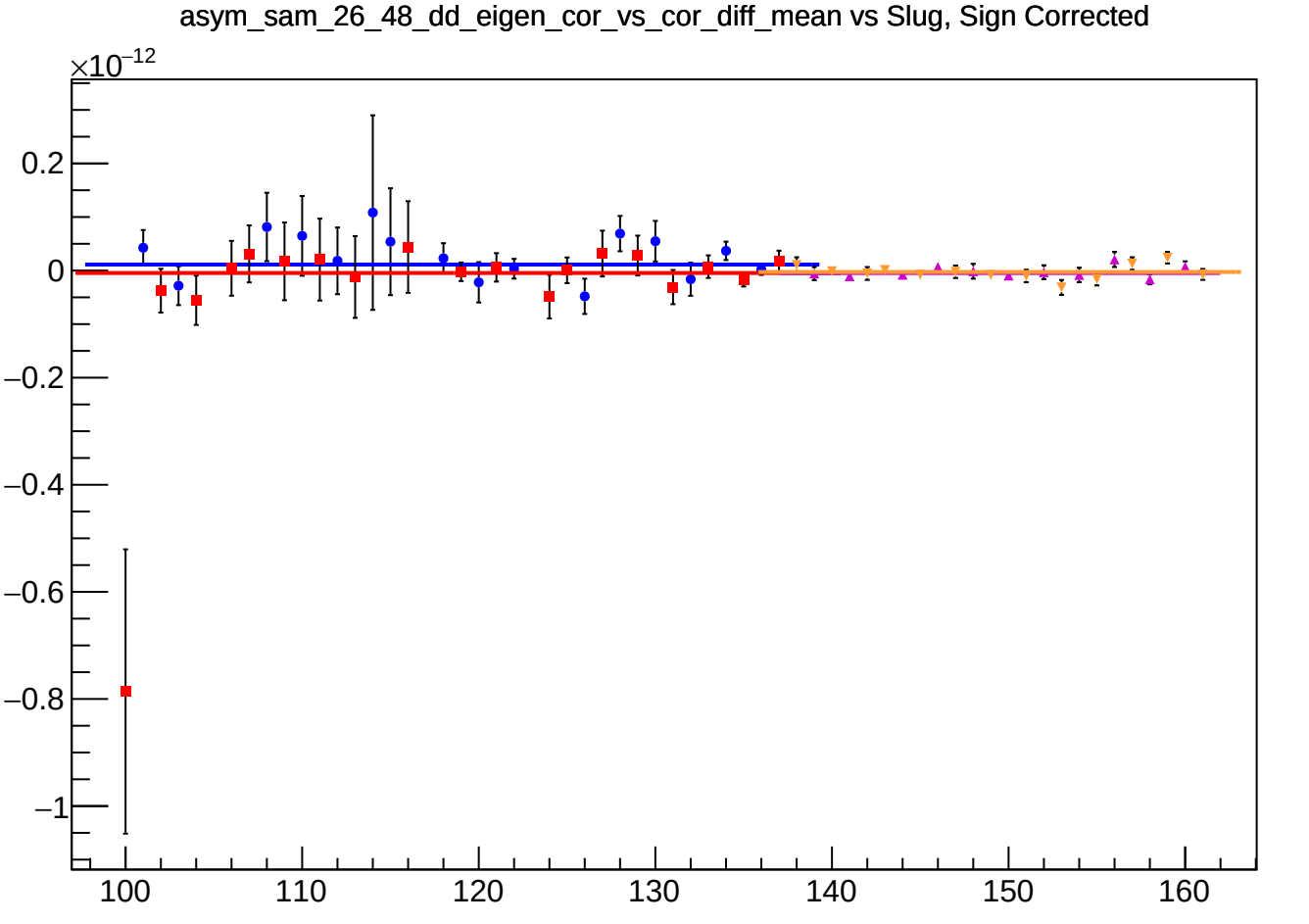
Left: 36.326+/-0.006 χ^2/NDF: 1276205.5/23

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.233+/-0.006 χ^2/NDF:2803419.0/26

Out: 35.820+/-0.006 χ^2/NDF:2709440.5/31

All: 35.020+/-0.004 χ^2/NDF: 5543978.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/10

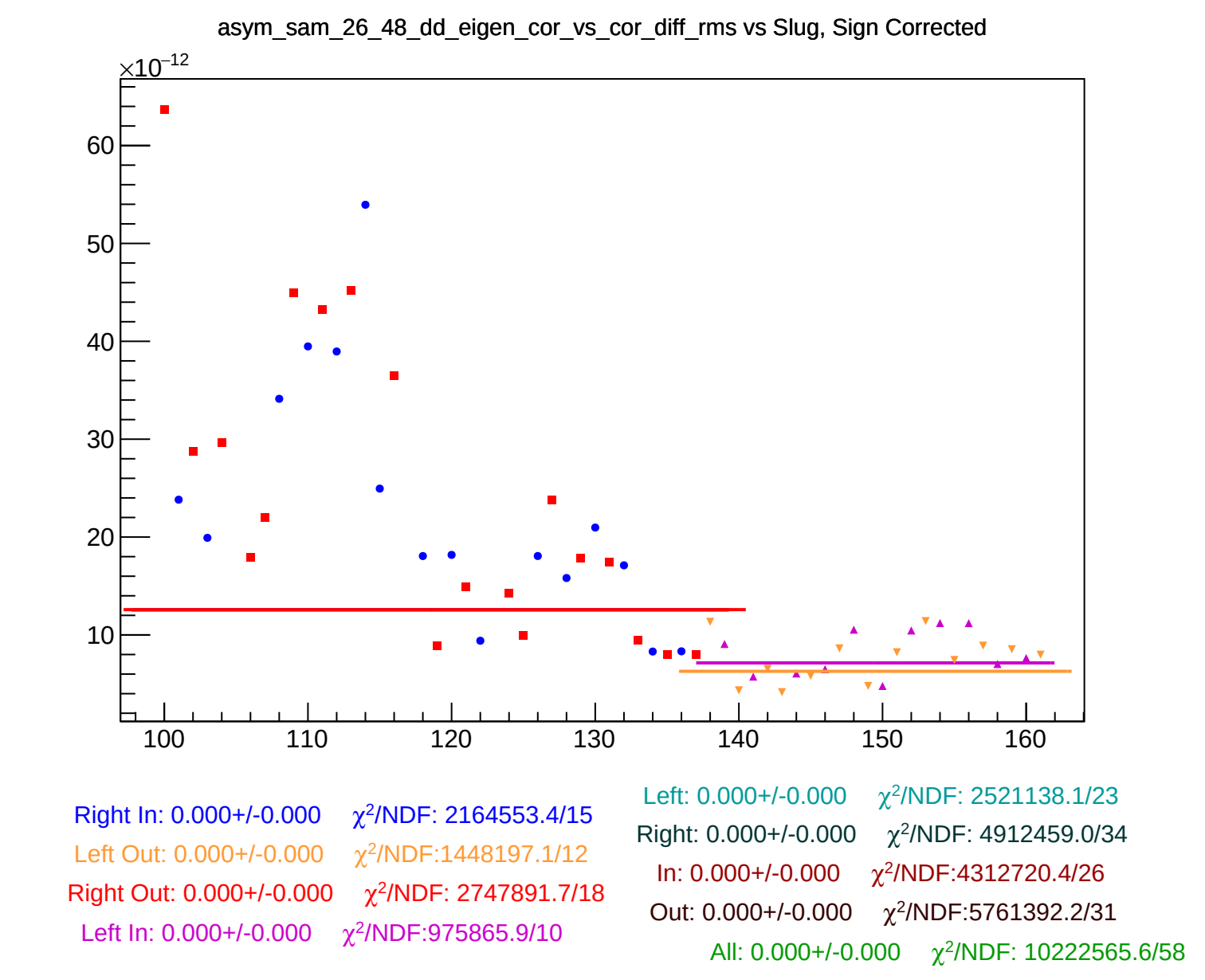
Left: -0.000+/-0.000 χ^2/NDF: 25.8/23

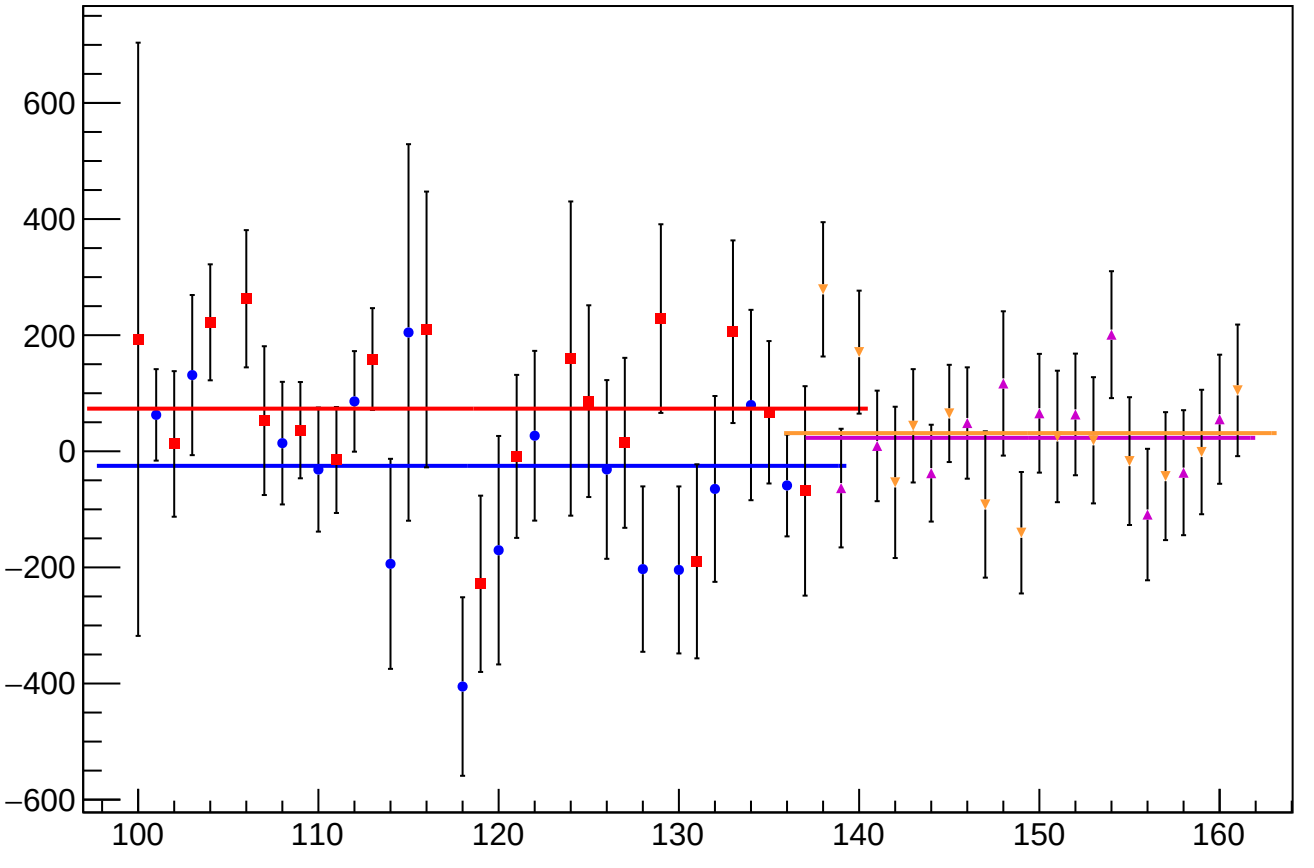
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.1/26

Out: -0.000+/-0.000 χ^2/NDF:33.8/31

All: -0.000+/-0.000 χ^2/NDF: 65.0/58


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1448197.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:975865.9/10
Left: 0.000+/-0.000 χ²/NDF: 2521138.1/23
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4312720.4/26
Out: 0.000+/-0.000 χ²/NDF:5761392.2/31
All: 0.000+/-0.000 χ²/NDF: 10222565.6/58



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 23.146+/-31.026 χ^2/NDF:6.6/10

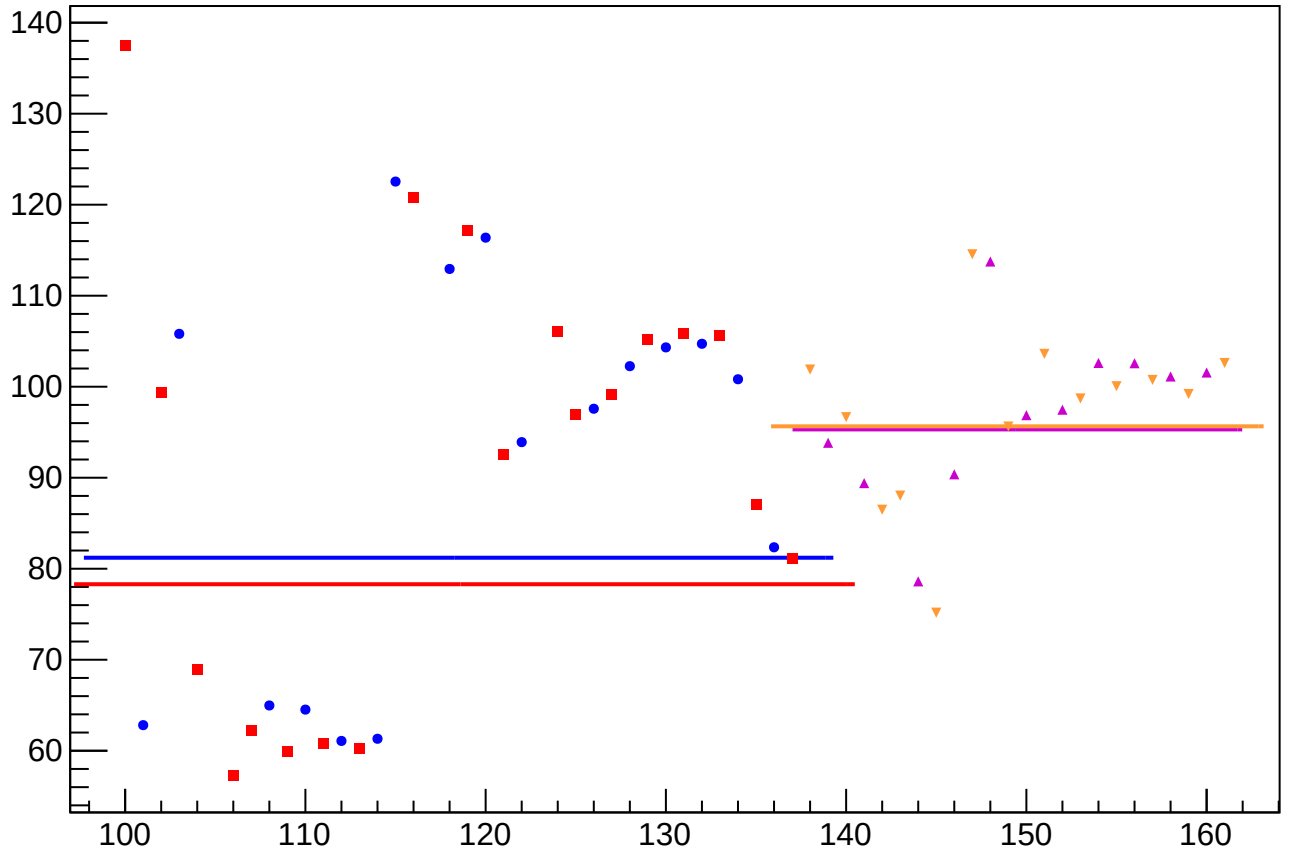
Left: 27.377+/-21.537 χ^2/NDF: 18.4/23

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 52.374+/-21.162 χ^2/NDF:29.5/31

All: 26.829+/-15.255 χ^2/NDF: 56.6/58



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.484+/-0.015 χ^2/NDF: 389692.4/23

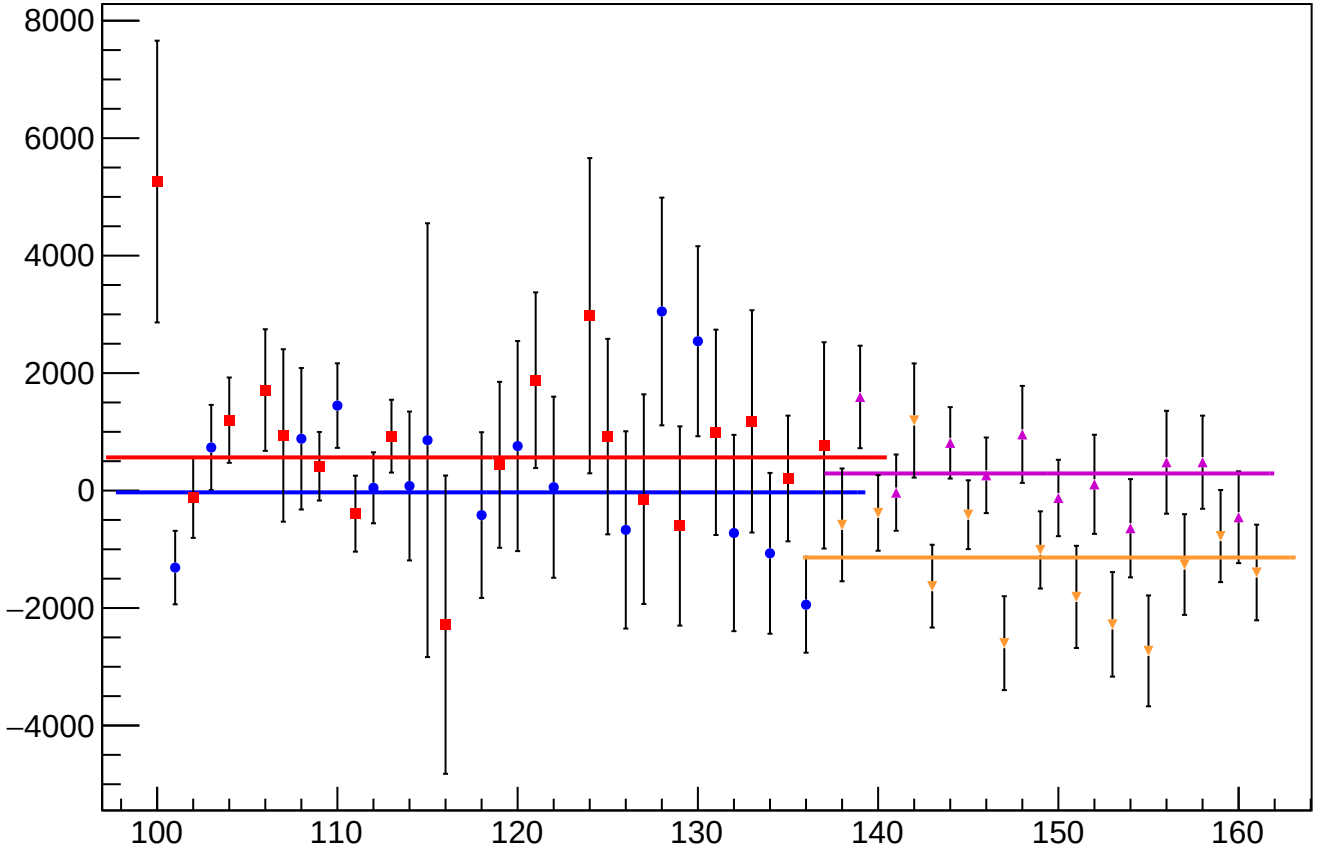
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 88.305+/-0.016 χ^2/NDF:1161049.0/26

Out: 86.977+/-0.015 χ^2/NDF:1492102.0/31

All: 87.615+/-0.011 χ^2/NDF: 2656930.9/58

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1139.619+/-215.368 χ^2/NDF:18.3/12

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 291.357+/-223.605 χ^2/NDF:6.6/10

Left: -450.974+/-155.118 χ^2/NDF: 46.1/23

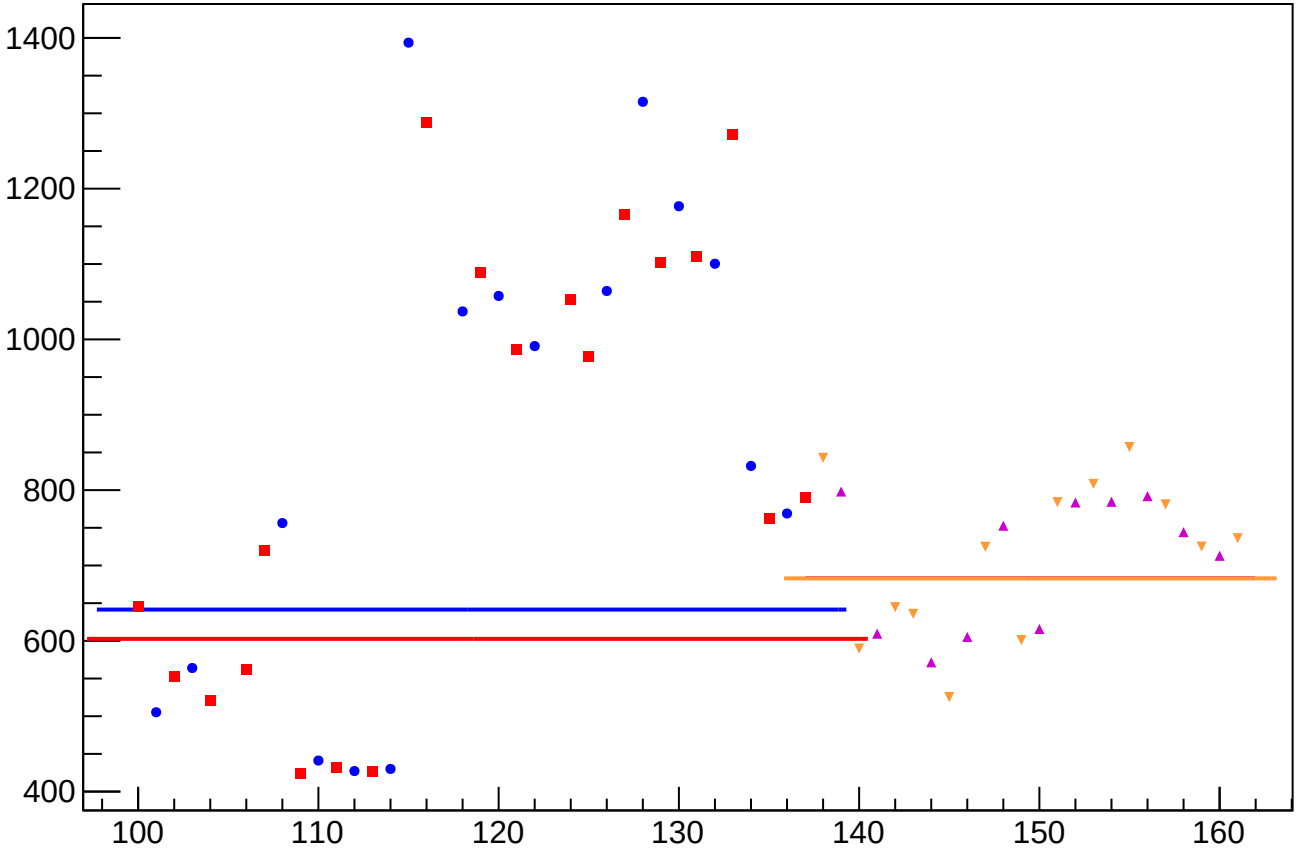
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 152.725+/-168.692 χ^2/NDF:29.4/26

Out: -373.985+/-159.840 χ^2/NDF:59.7/31

All: -124.812+/-116.027 χ^2/NDF: 94.2/58

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 682.926+/-0.152 χ^2/NDF:465896.4/12

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 683.271+/-0.158 χ^2/NDF:296294.7/10

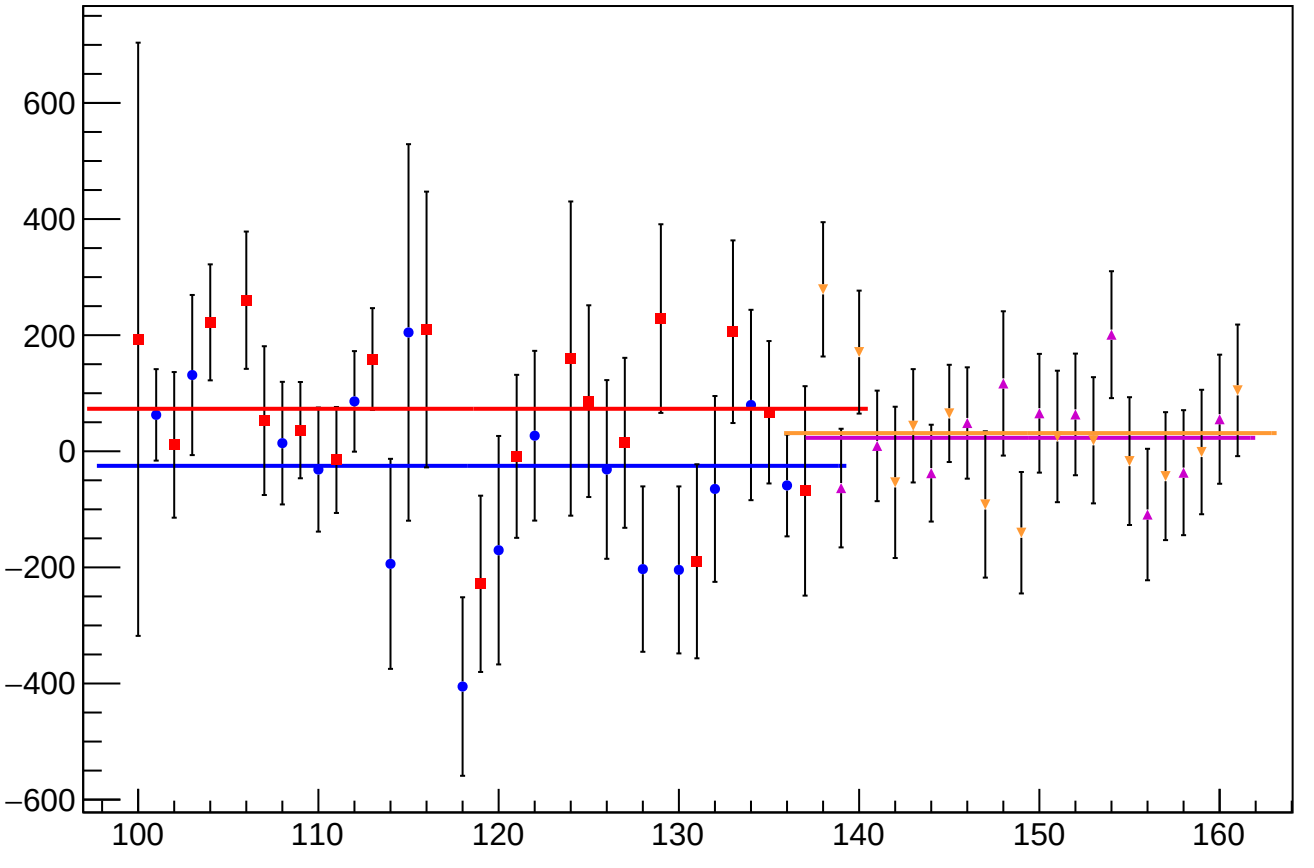
Left: 683.092+/-0.110 χ^2/NDF: 762193.6/23

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 665.274+/-0.119 χ^2/NDF:2201359.0/26

Out: 646.869+/-0.113 χ^2/NDF:2661007.0/31

All: 655.576+/-0.082 χ^2/NDF: 4874909.8/58



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 23.149+/-31.026 χ^2/NDF:6.6/10

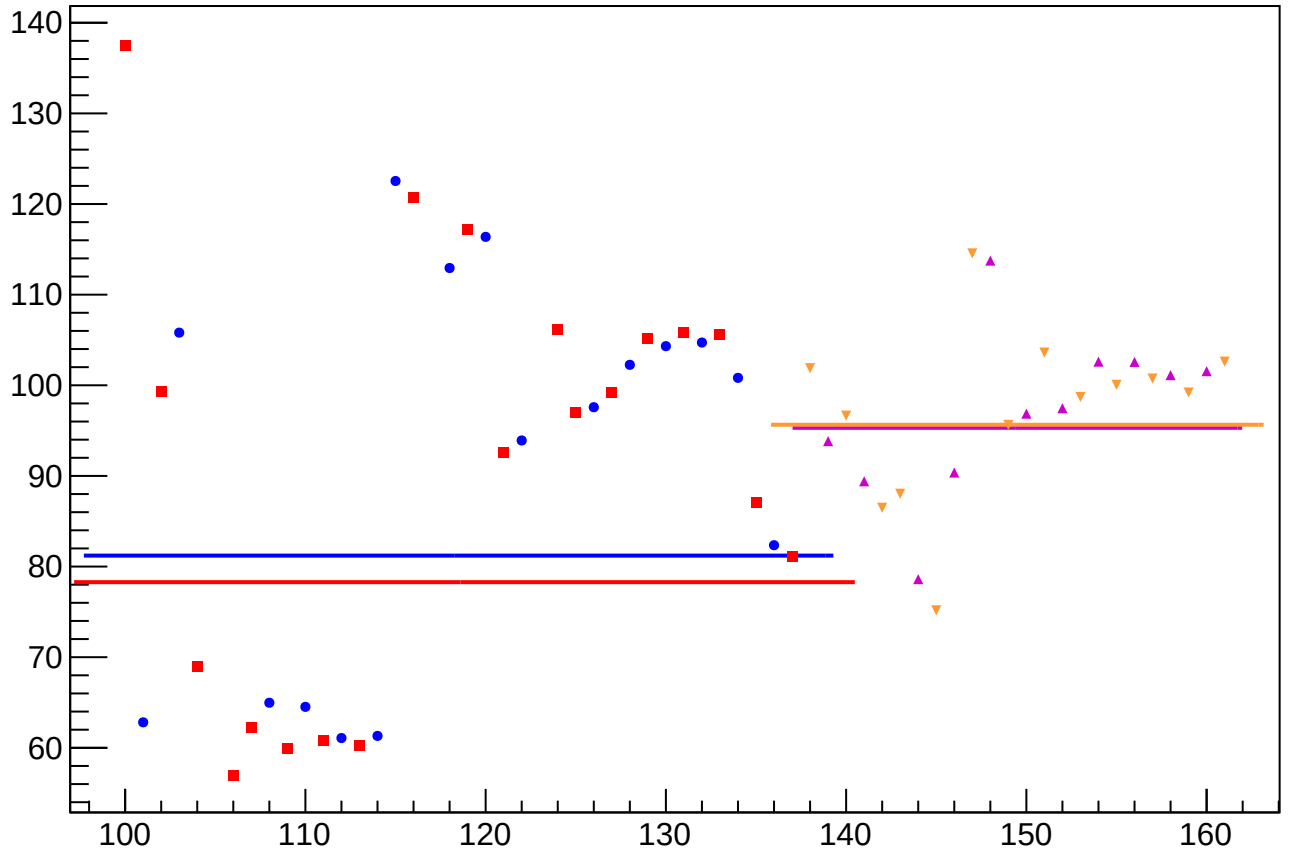
Left: 27.378+/-21.537 χ^2/NDF: 18.4/23

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 52.240+/-21.162 χ^2/NDF:29.5/31

All: 26.759+/-15.255 χ^2/NDF: 56.5/58



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.484+/-0.015 χ^2/NDF: 389692.5/23

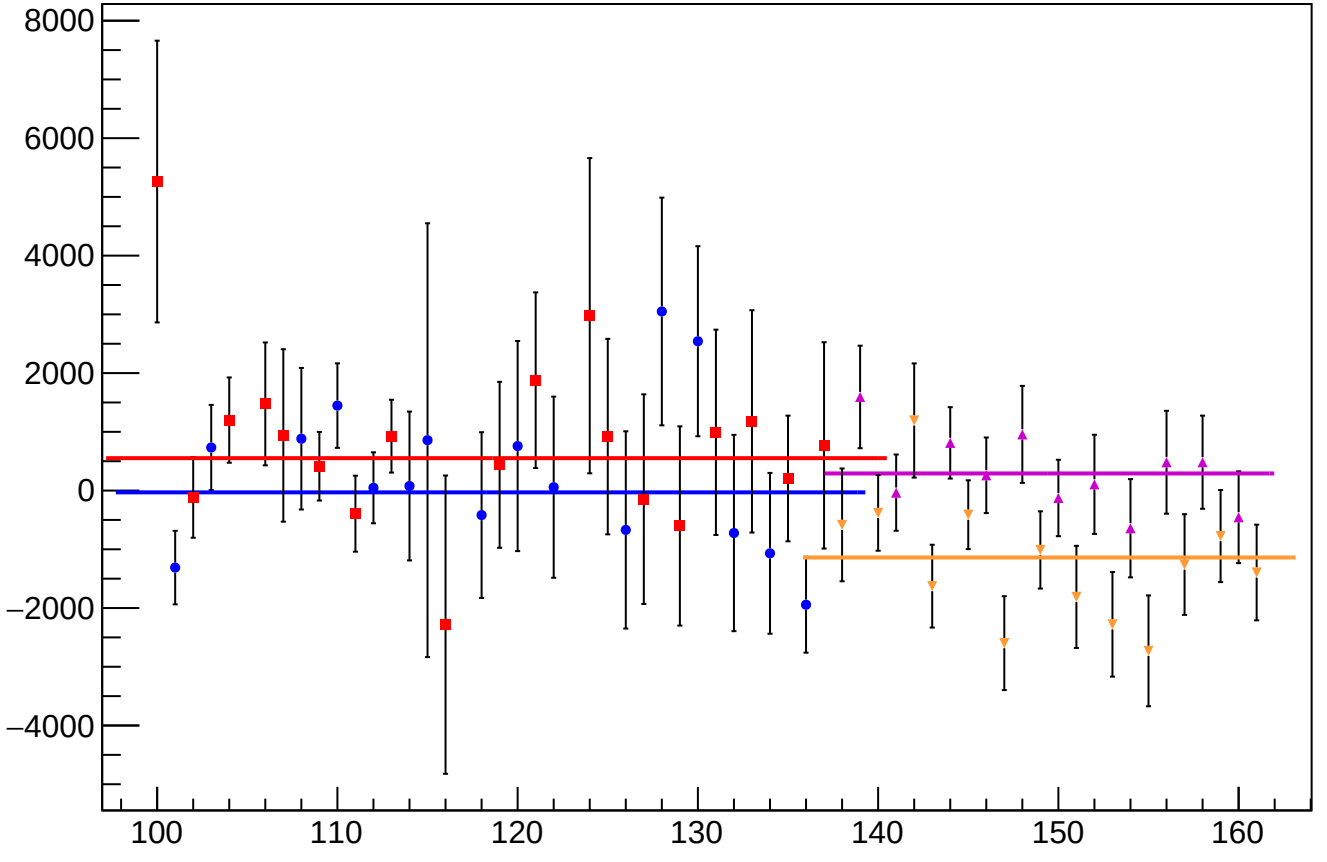
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 88.305+/-0.016 χ^2/NDF:1161050.8/26

Out: 86.969+/-0.015 χ^2/NDF:1494942.5/31

All: 87.611+/-0.011 χ^2/NDF: 2659823.3/58

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1139.618+/-215.368 χ^2/NDF:18.3/12

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 291.364+/-223.605 χ^2/NDF:6.6/10

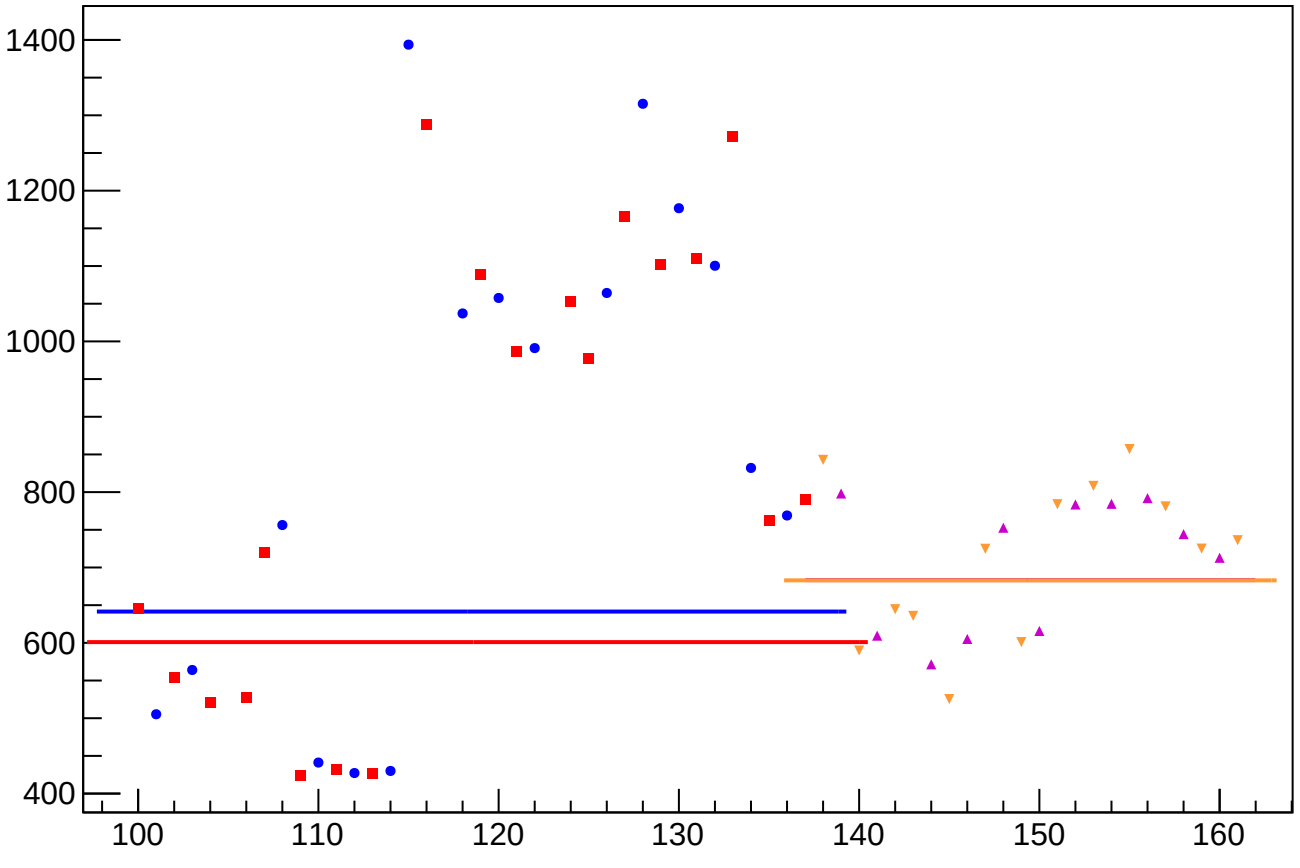
Left: -450.970+/-155.118 χ^2/NDF: 46.1/23

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 152.719+/-168.693 χ^2/NDF:29.4/26

Out: -380.317+/-159.884 χ^2/NDF:58.8/31

All: -128.079+/-116.044 χ^2/NDF: 93.4/58



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 682.926+/-0.152 χ^2/NDF:465898.6/12

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

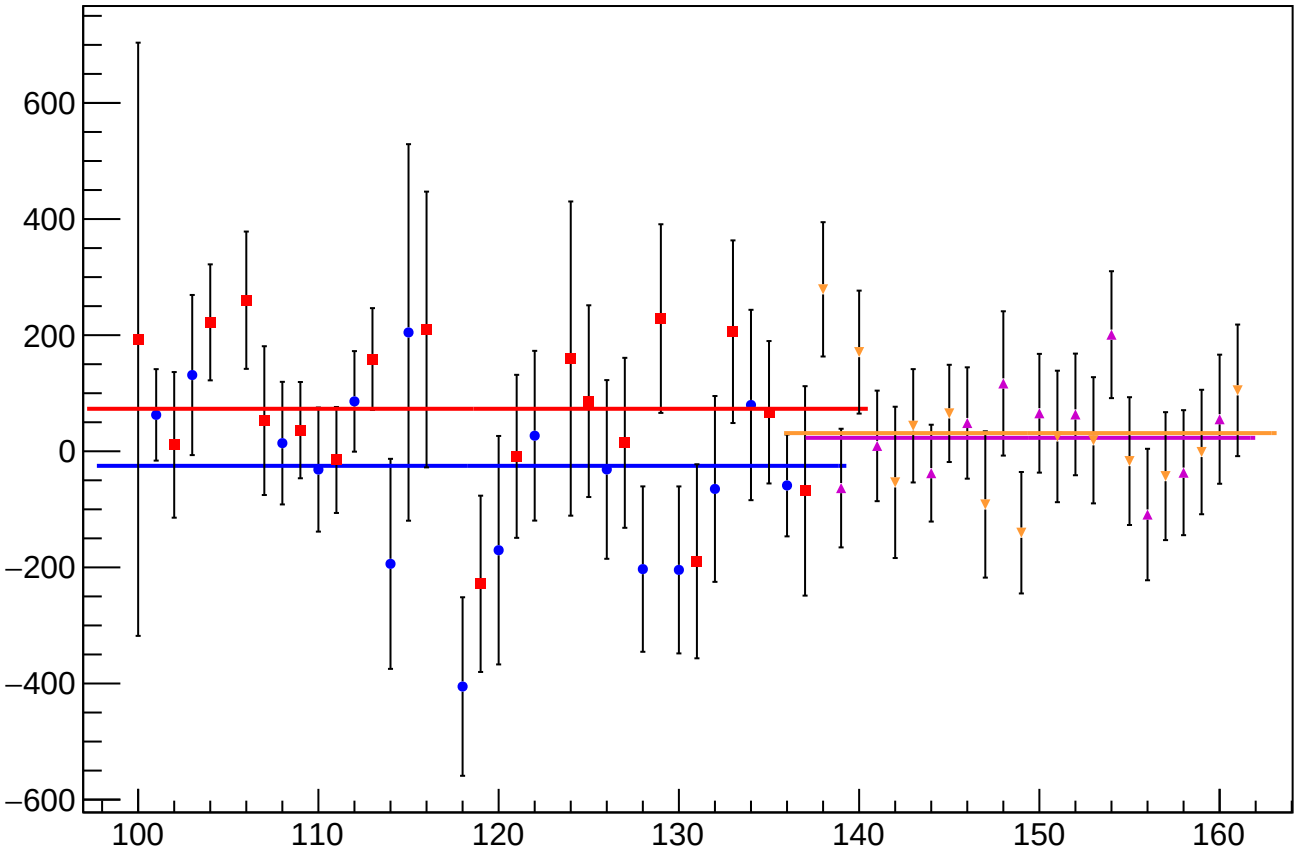
Left: 683.092+/-0.110 χ^2/NDF: 762193.3/23

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 665.278+/-0.119 χ^2/NDF:2201302.4/26

Out: 646.141+/-0.113 χ^2/NDF:2673118.2/31

All: 655.196+/-0.082 χ^2/NDF: 4887979.5/58



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 23.149+/-31.026 χ^2/NDF:6.6/10

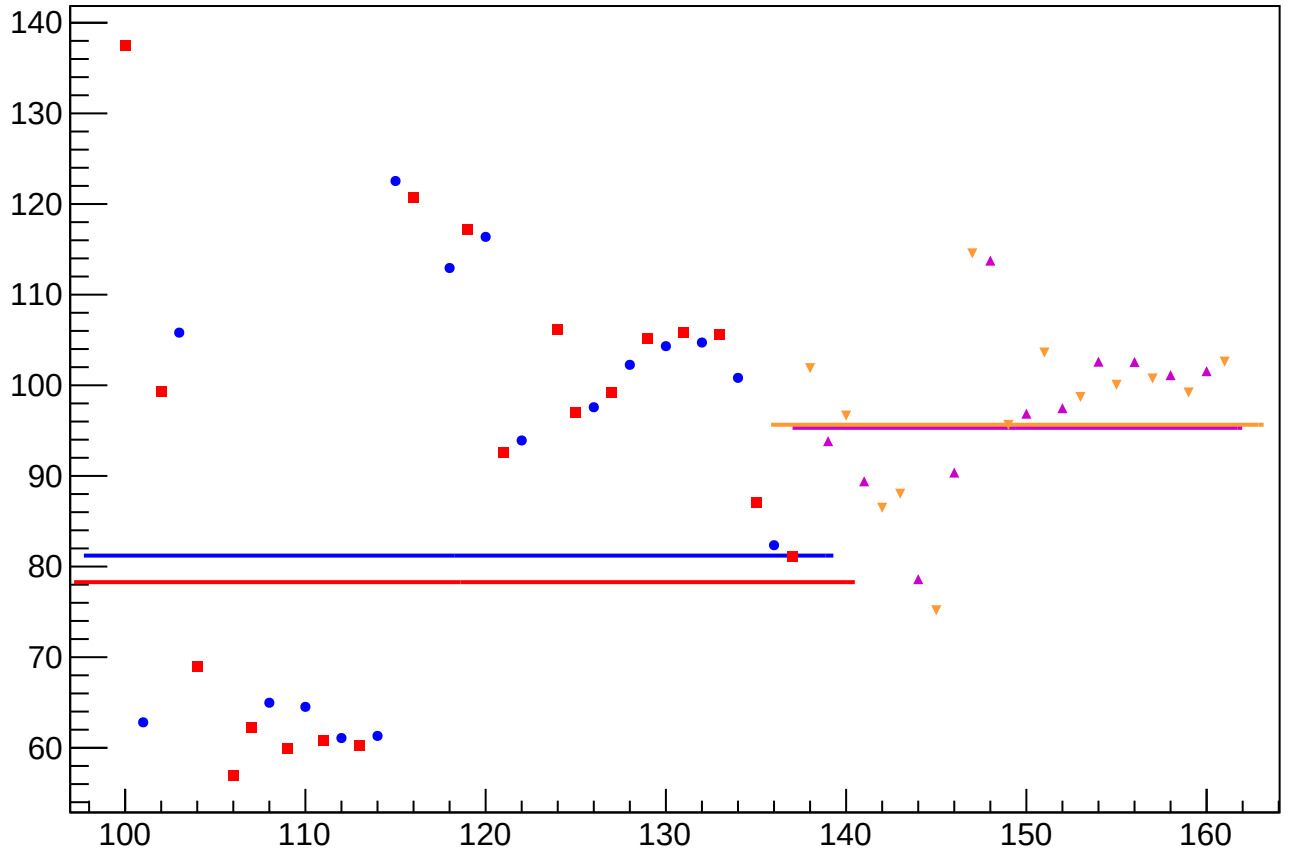
Left: 27.378+/-21.537 χ^2/NDF: 18.4/23

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -0.805+/-22.010 χ^2/NDF:24.0/26

Out: 52.240+/-21.162 χ^2/NDF:29.5/31

All: 26.759+/-15.255 χ^2/NDF: 56.5/58



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

Left: 95.484+/-0.015 χ^2/NDF: 389692.5/23

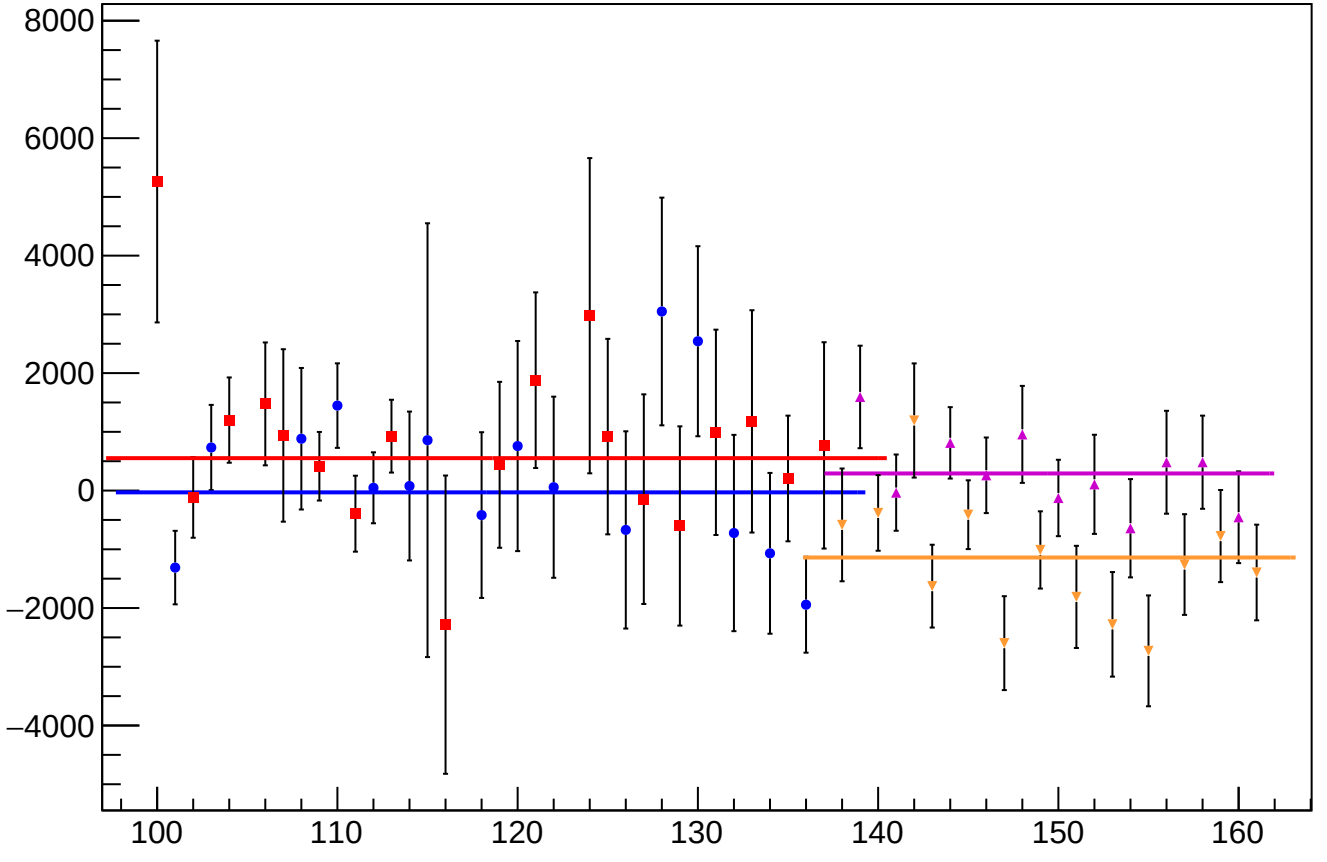
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 88.305+/-0.016 χ^2/NDF:1161050.8/26

Out: 86.969+/-0.015 χ^2/NDF:1494942.5/31

All: 87.611+/-0.011 χ^2/NDF: 2659823.3/58

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1139.618+/-215.368 χ^2/NDF:18.3/12

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 291.364+/-223.605 χ^2/NDF:6.6/10

Left: -450.970+/-155.118 χ^2/NDF: 46.1/23

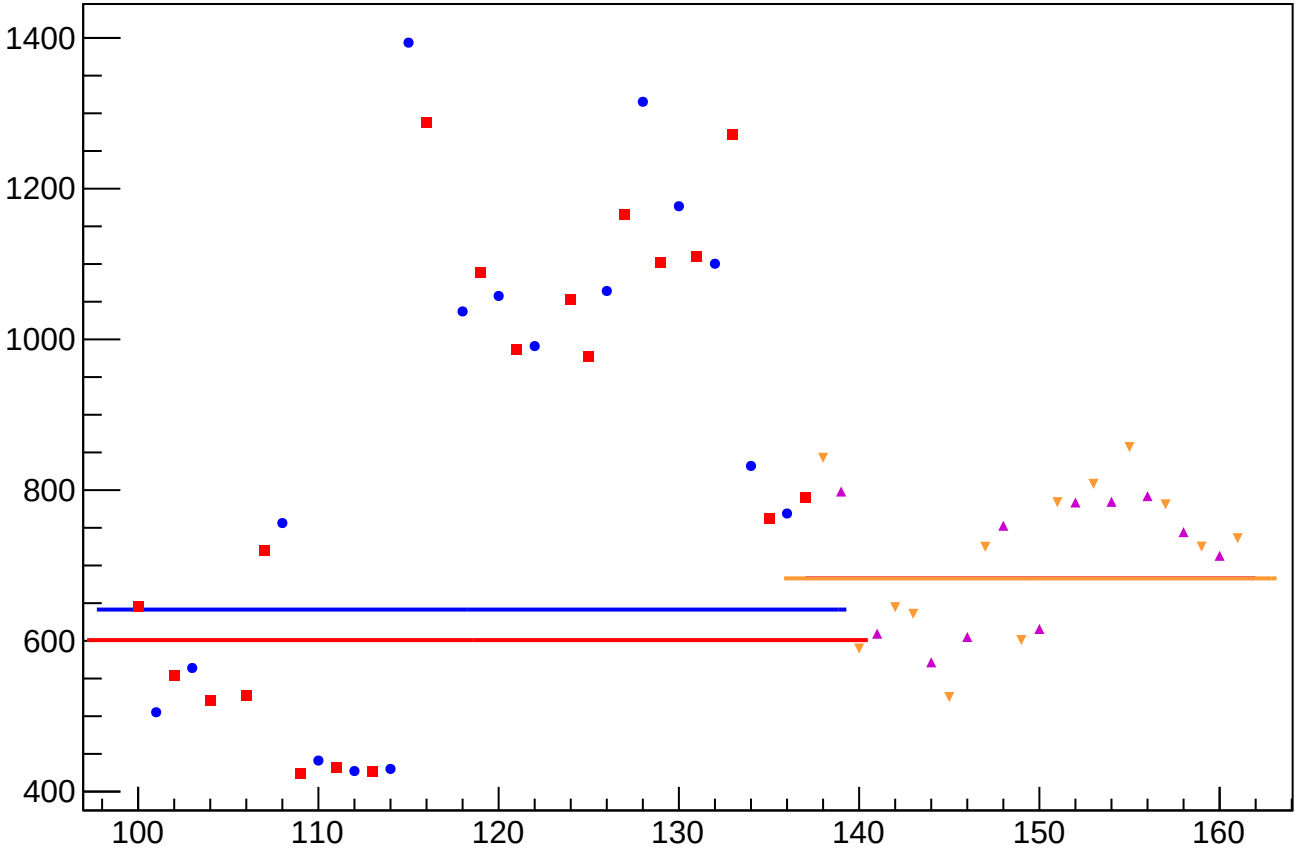
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 152.719+/-168.693 χ^2/NDF:29.4/26

Out: -380.317+/-159.884 χ^2/NDF:58.8/31

All: -128.079+/-116.044 χ^2/NDF: 93.4/58

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: 682.926+/-0.152 χ^2/NDF:465898.6/12

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

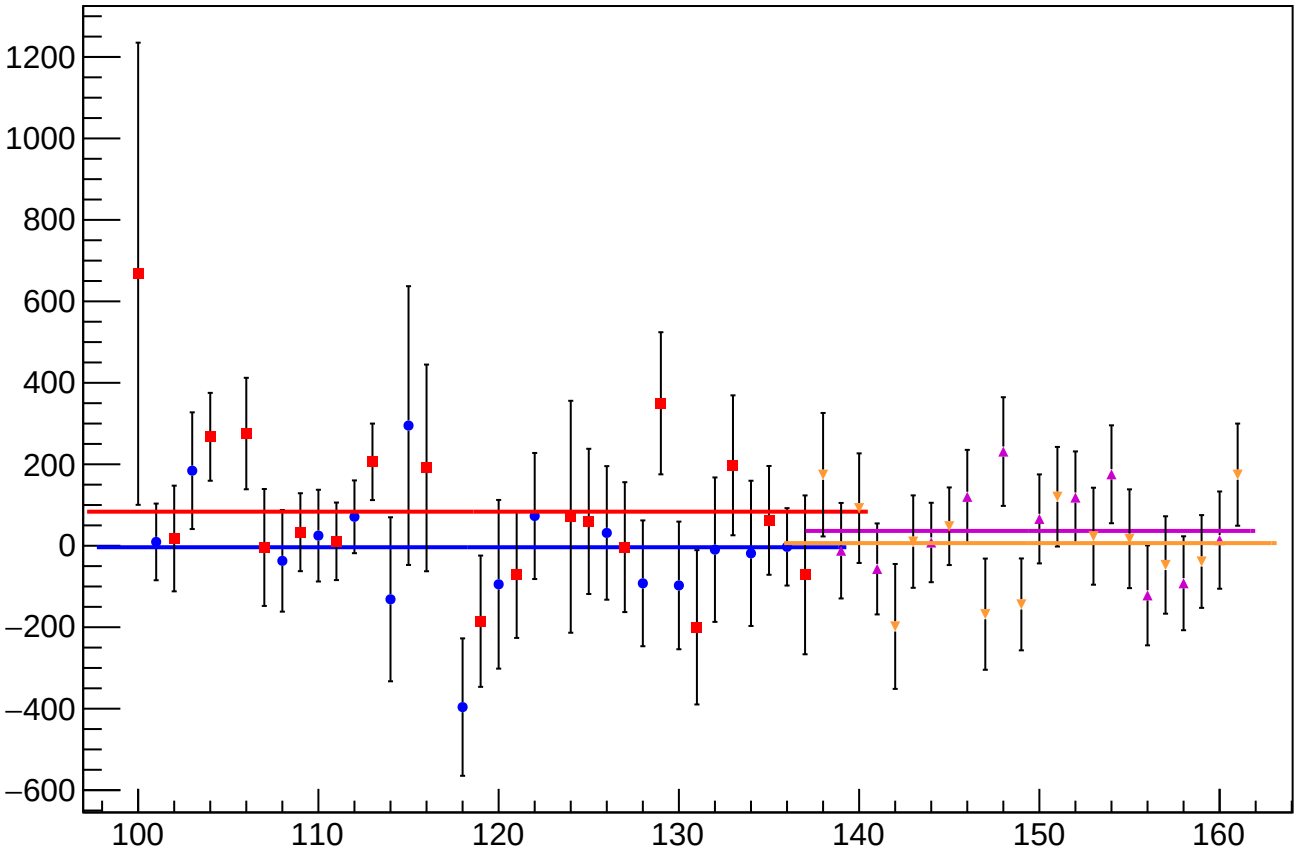
Left: 683.092+/-0.110 χ^2/NDF: 762193.3/23

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 665.278+/-0.119 χ^2/NDF:2201302.4/26

Out: 646.141+/-0.113 χ^2/NDF:2673118.2/31

All: 655.196+/-0.082 χ^2/NDF: 4887979.5/58



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 6.502+/-33.757 χ^2/NDF:10.1/12

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 36.408+/-34.663 χ^2/NDF:8.5/10

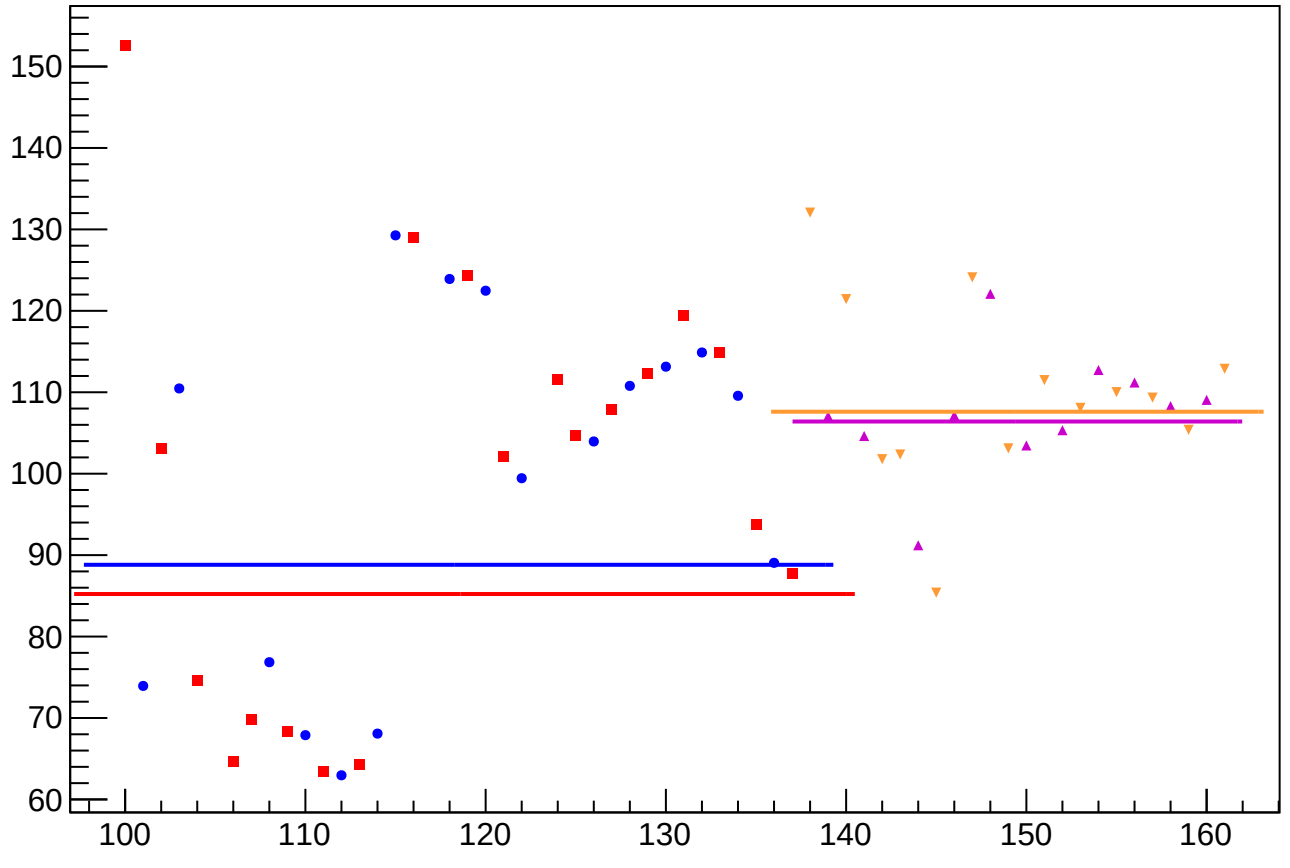
Left: 21.059+/-24.184 χ^2/NDF: 18.9/23

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.090+/-24.328 χ^2/NDF:19.5/26

Out: 46.396+/-23.462 χ^2/NDF:31.8/31

All: 31.792+/-16.888 χ^2/NDF: 52.1/58



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.611+/-0.024 χ^2/NDF:229016.1/12

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 106.408+/-0.025 χ^2/NDF:88637.0/10

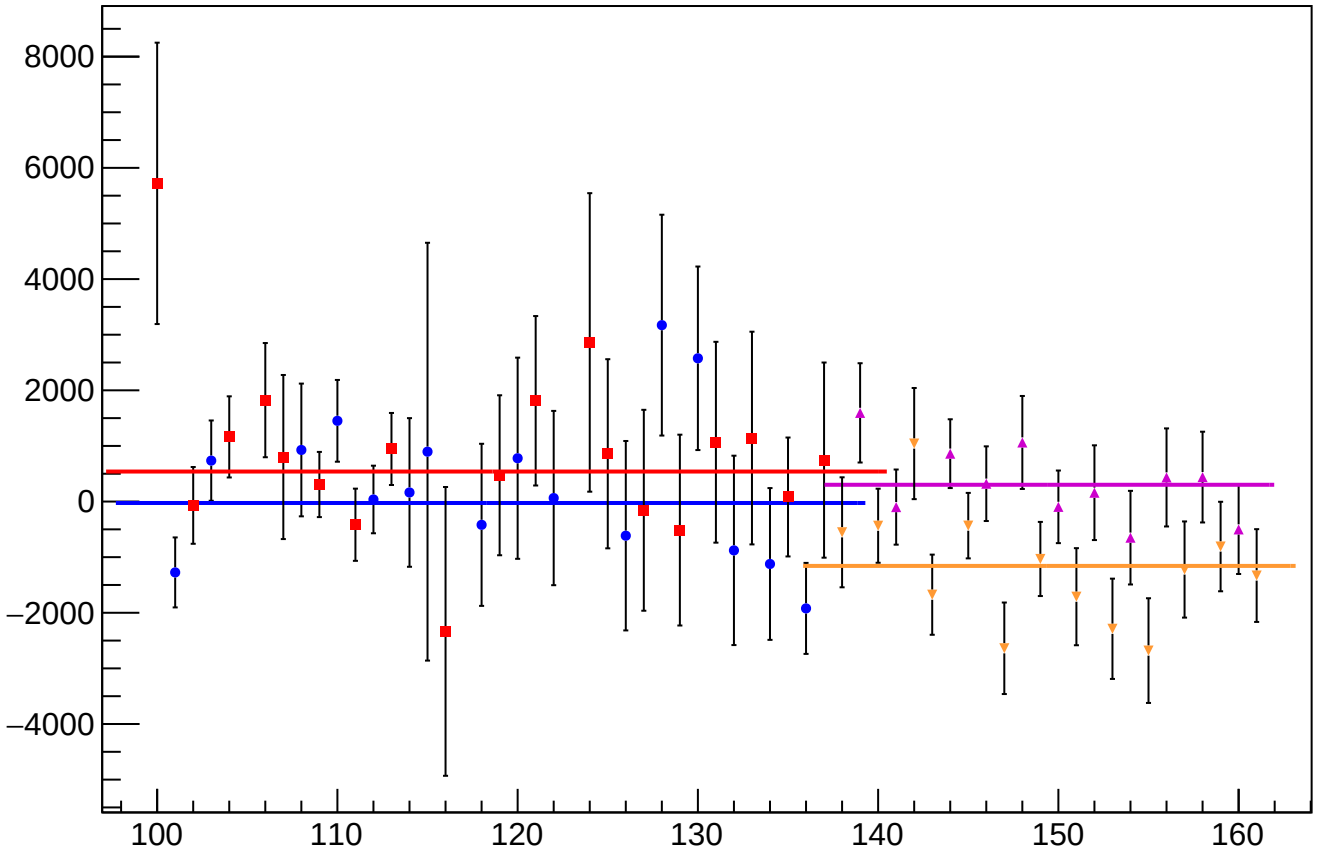
Left: 107.026+/-0.017 χ^2/NDF: 318891.1/23

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 97.480+/-0.017 χ^2/NDF:1074711.3/26

Out: 96.039+/-0.017 χ^2/NDF:1567777.8/31

All: 96.733+/-0.012 χ^2/NDF: 2646125.1/58



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1157.297+/-219.218 χ^2/NDF:16.5/12

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 301.537+/-228.280 χ^2/NDF:6.8/10

Left: -457.408+/-158.117 χ^2/NDF: 44.6/23

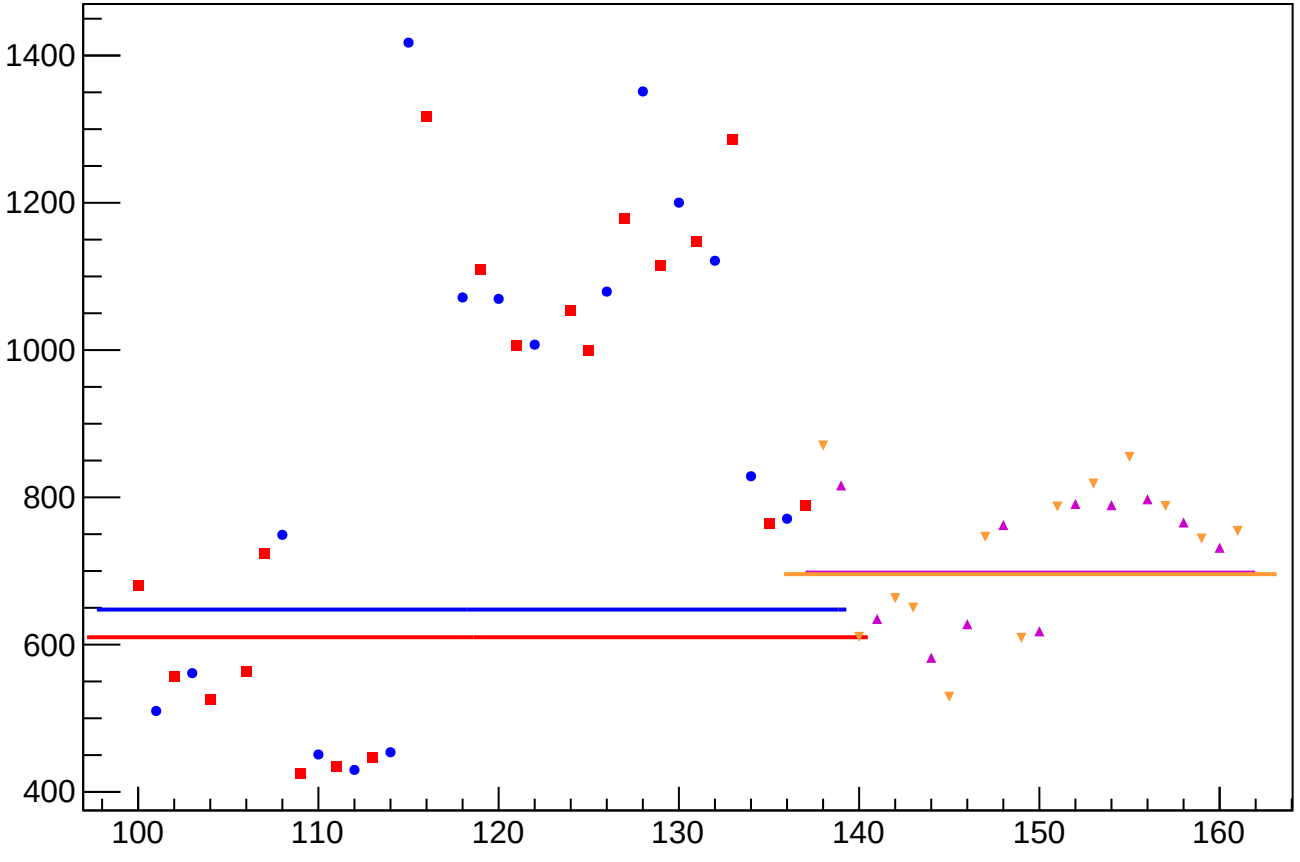
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 158.686+/-171.371 χ^2/NDF:29.3/26

Out: -389.797+/-162.238 χ^2/NDF:57.3/31

All: -130.559+/-117.816 χ^2/NDF: 91.9/58

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 695.721+/-0.155 χ^2/NDF:462966.6/12

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 697.779+/-0.161 χ^2/NDF:276641.2/10

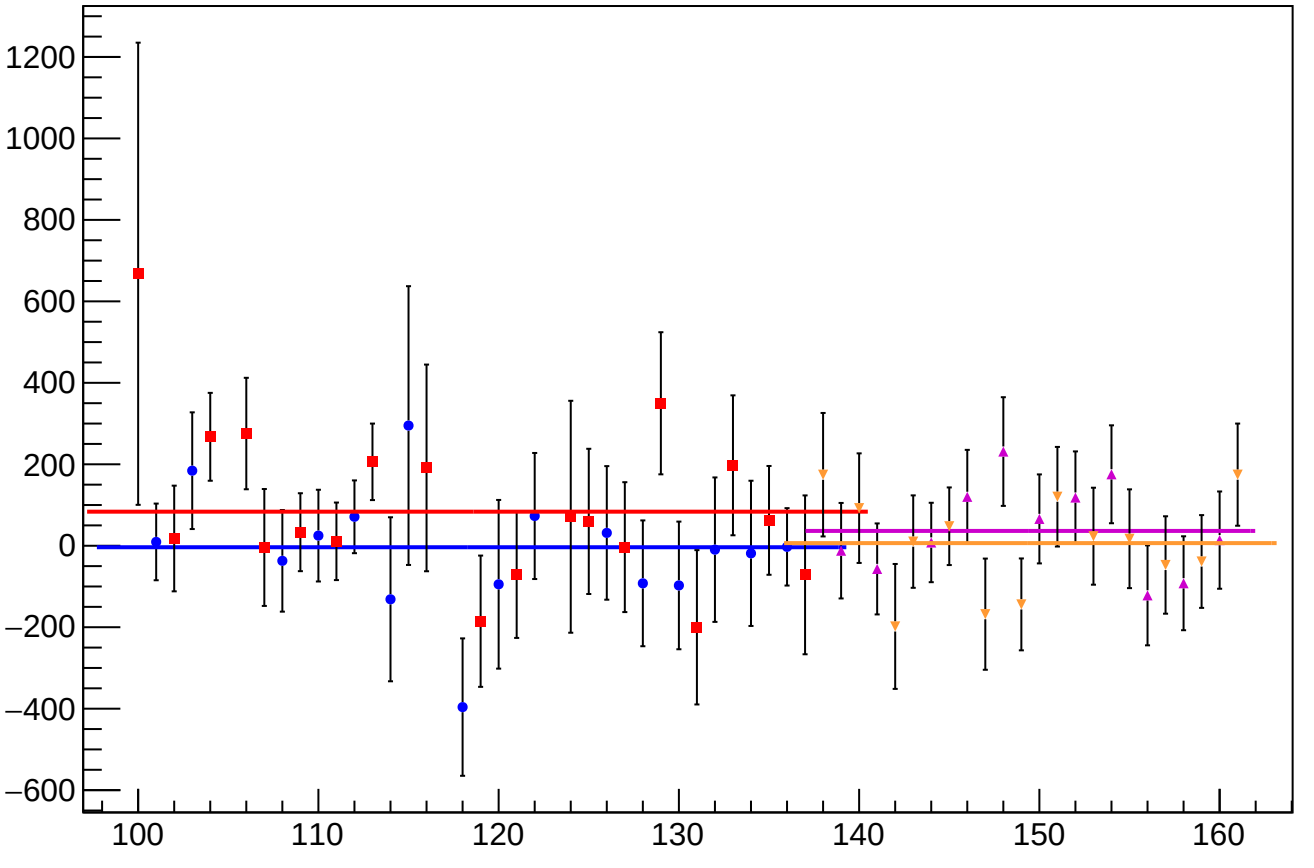
Left: 696.708+/-0.112 χ^2/NDF: 739692.3/23

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 675.896+/-0.121 χ^2/NDF:2206564.2/26

Out: 656.978+/-0.115 χ^2/NDF:2675332.0/31

All: 665.919+/-0.083 χ^2/NDF: 4894749.9/58



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 6.503+/-33.757 χ^2/NDF:10.1/12

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 36.408+/-34.663 χ^2/NDF:8.5/10

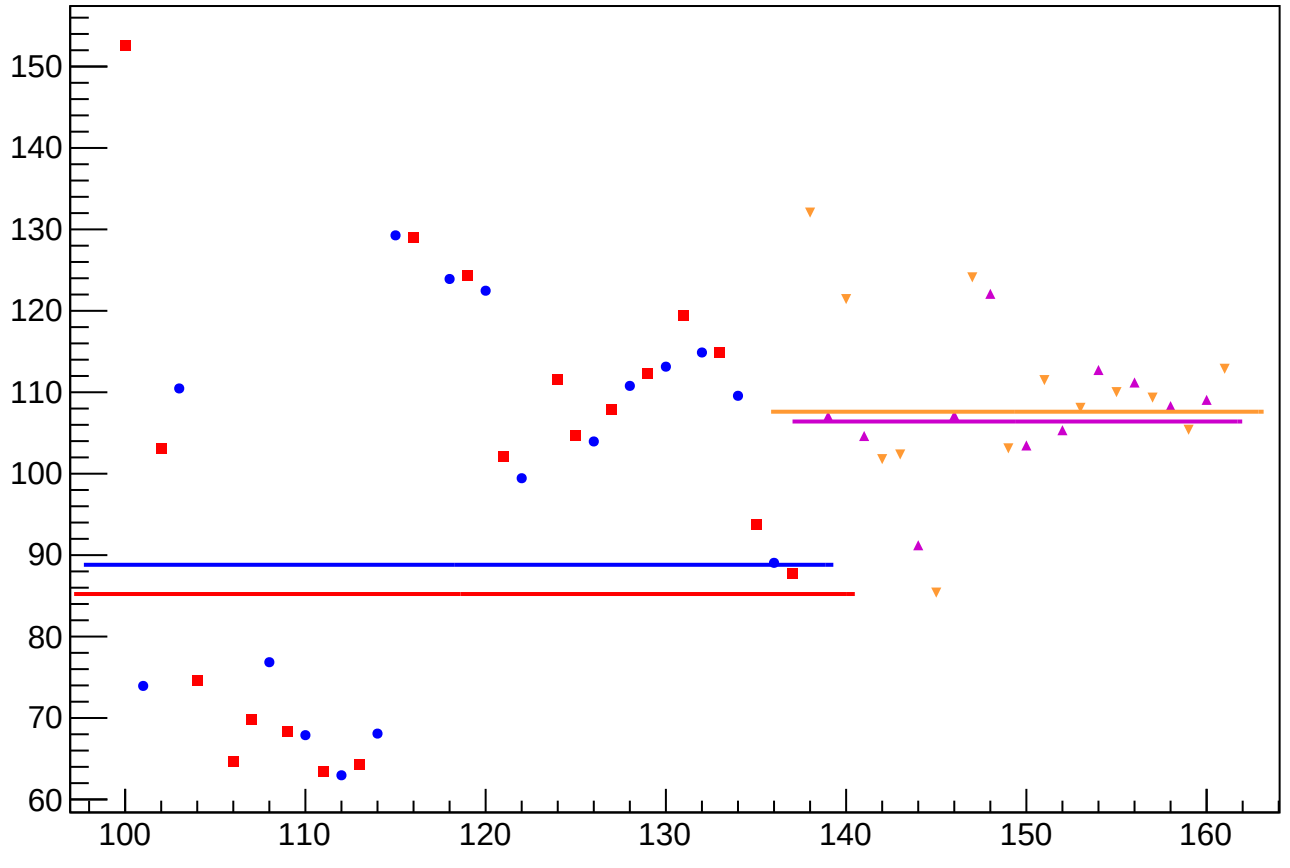
Left: 21.060+/-24.184 χ^2/NDF: 18.9/23

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 16.090+/-24.328 χ^2/NDF:19.5/26

Out: 46.397+/-23.462 χ^2/NDF:31.8/31

All: 31.792+/-16.888 χ^2/NDF: 52.1/58



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.612+/-0.024 χ^2/NDF:229014.2/12

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.408+/-0.025 χ^2/NDF:88636.3/10

Left: 107.026+/-0.017 χ^2/NDF: 318888.5/23

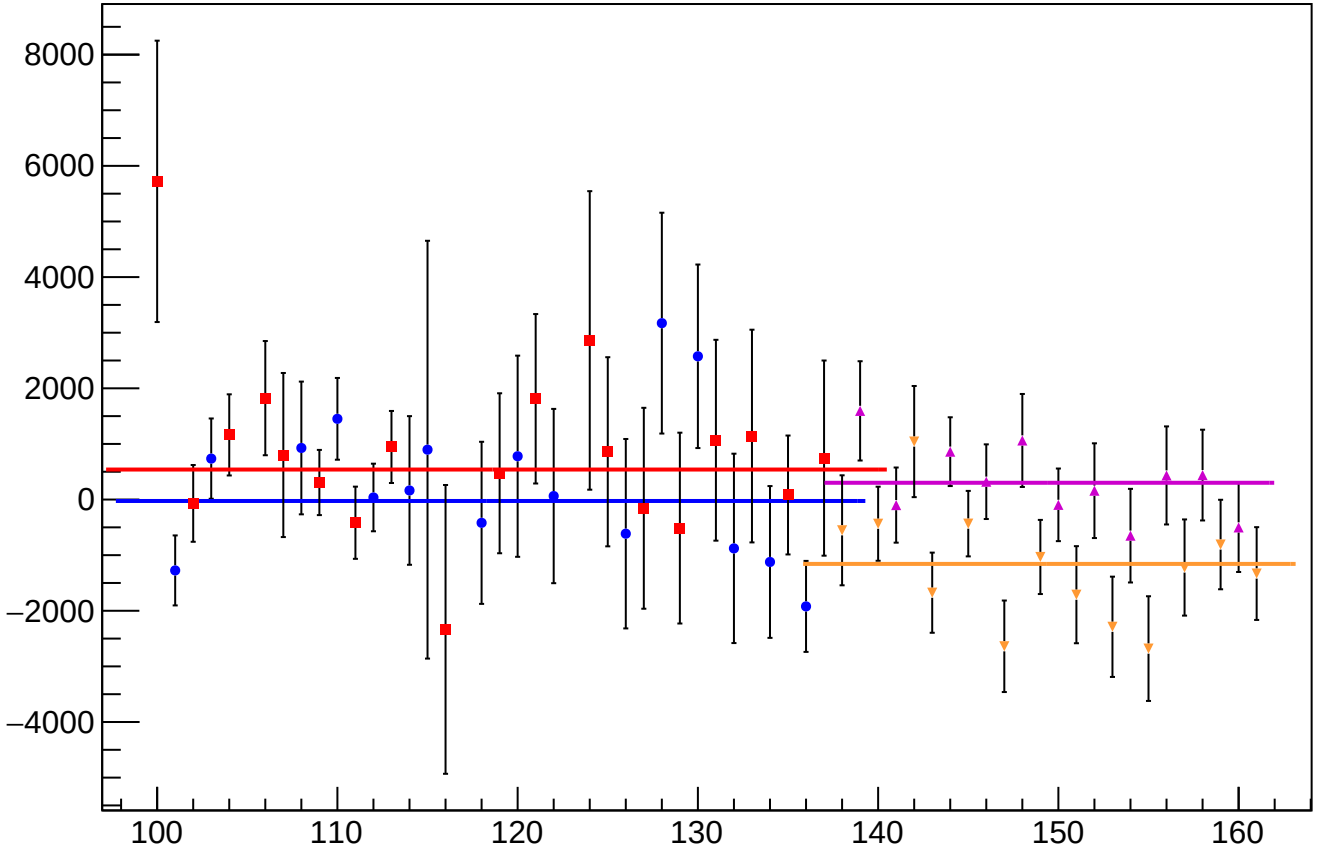
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 97.480+/-0.017 χ^2/NDF:1074717.1/26

Out: 96.039+/-0.017 χ^2/NDF:1567786.5/31

All: 96.733+/-0.012 χ^2/NDF: 2646139.7/58

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: -1157.296+/-219.218 χ^2/NDF:16.5/12

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 301.536+/-228.280 χ^2/NDF:6.8/10

Left: -457.408+/-158.117 χ^2/NDF: 44.6/23

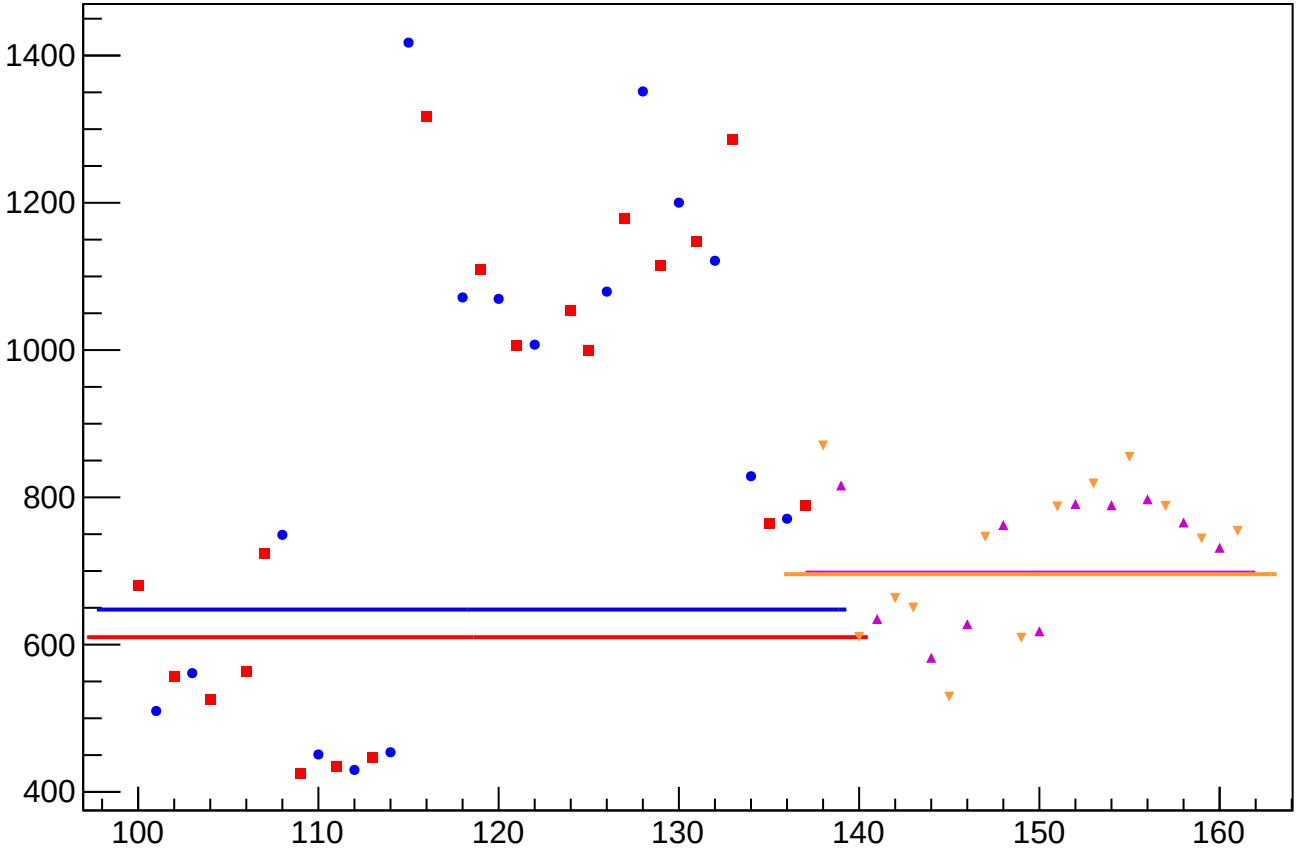
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 158.685+/-171.370 χ^2/NDF:29.3/26

Out: -389.796+/-162.238 χ^2/NDF:57.3/31

All: -130.558+/-117.816 χ^2/NDF: 91.9/58

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: 695.720+/-0.155 χ^2/NDF:462967.3/12

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 697.778+/-0.161 χ^2/NDF:276639.1/10

Left: 696.708+/-0.112 χ^2/NDF: 739691.0/23

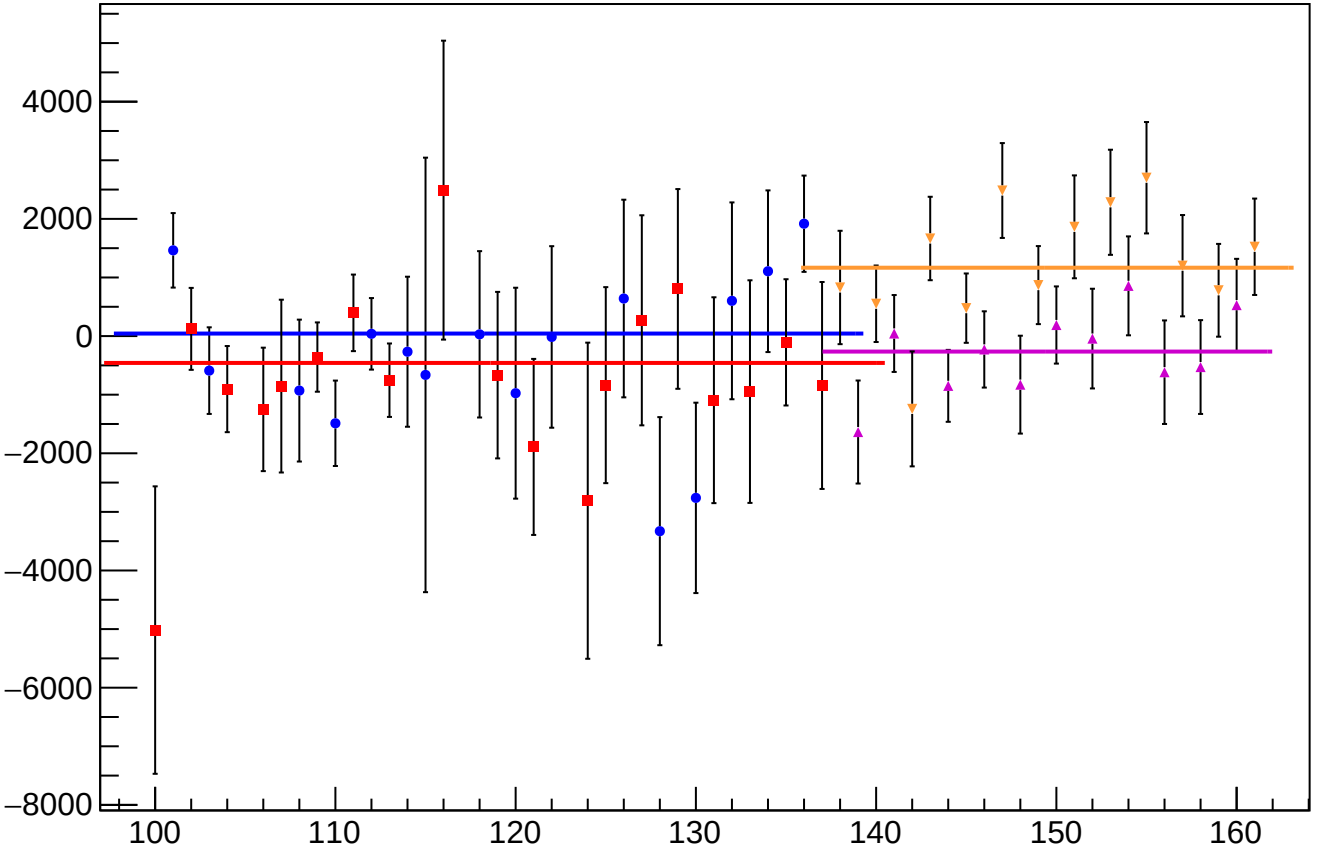
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 675.896+/-0.121 χ^2/NDF:2206567.9/26

Out: 656.977+/-0.115 χ^2/NDF:2675336.5/31

All: 665.919+/-0.083 χ^2/NDF: 4894758.3/58

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1166.651+/-217.566 χ^2/NDF:17.0/12

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -264.396+/-225.845 χ^2/NDF:7.6/10

Left: 477.838+/-156.687 χ^2/NDF: 45.4/23

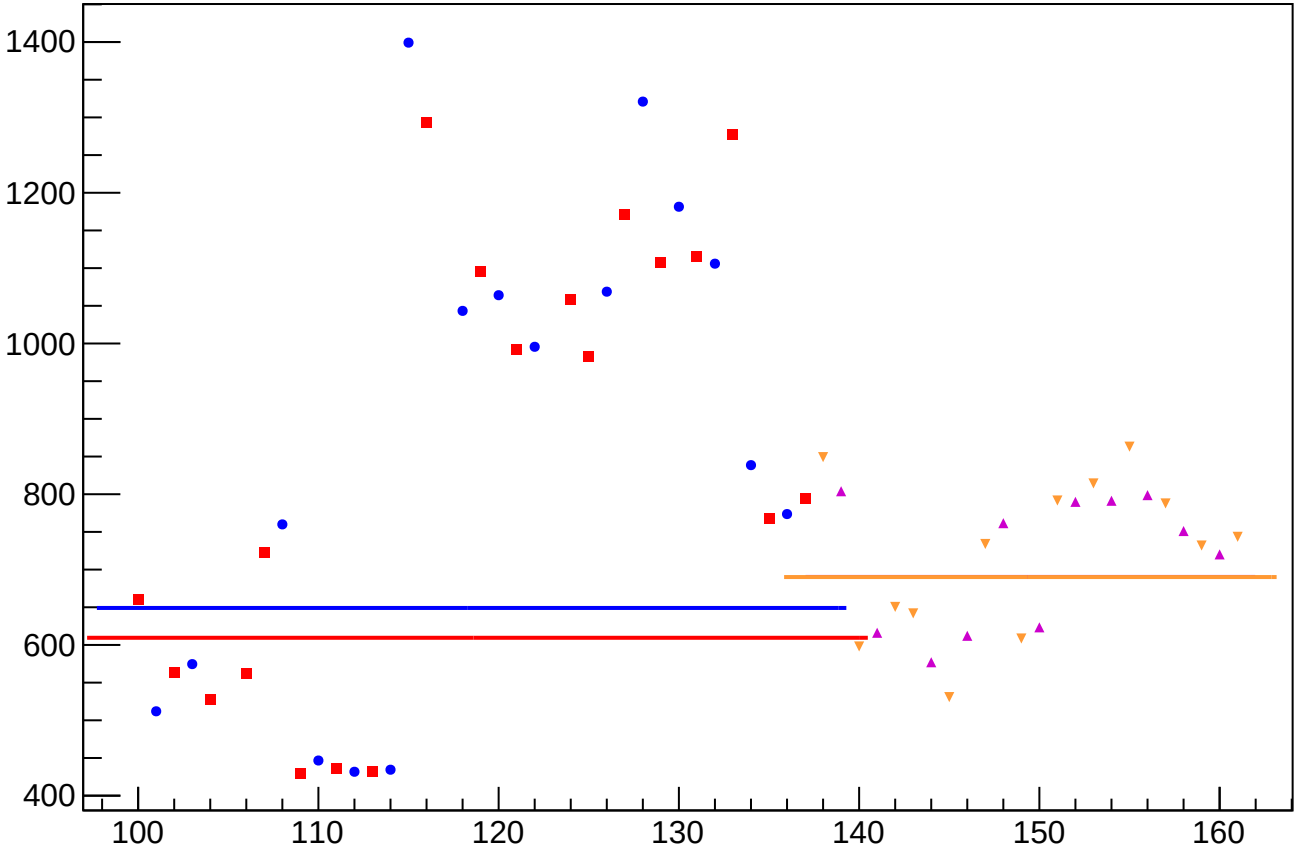
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -132.018+/-170.445 χ^2/NDF:31.6/26

Out: 437.476+/-161.529 χ^2/NDF:53.2/31

All: 168.013+/-117.243 χ^2/NDF: 90.8/58

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 690.091+/-0.154 χ^2/NDF:458185.5/12

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 690.252+/-0.160 χ^2/NDF:291813.9/10

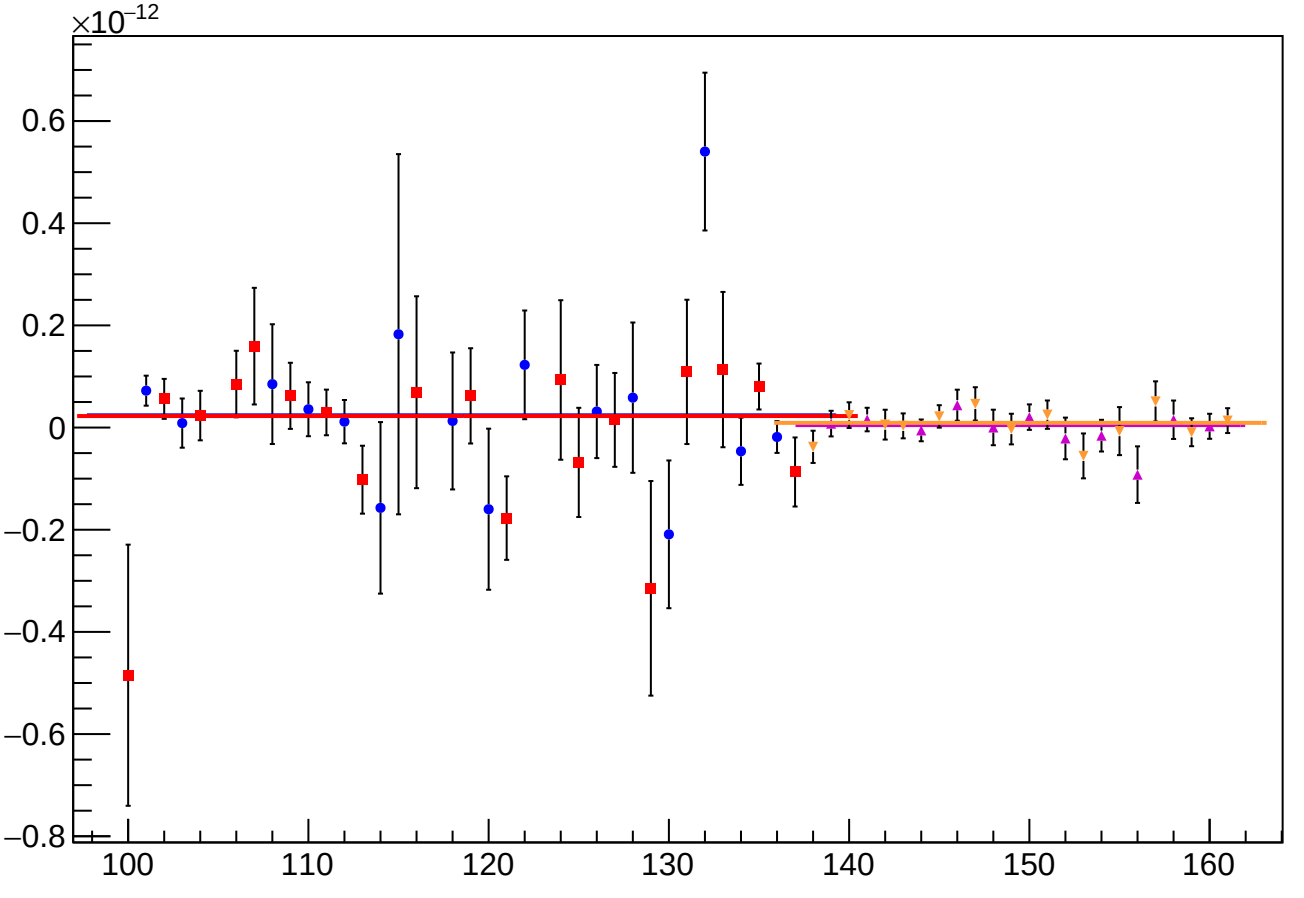
Left: 690.169+/-0.111 χ^2/NDF: 749999.9/23

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 672.535+/-0.121 χ^2/NDF:2166224.3/26

Out: 653.930+/-0.114 χ^2/NDF:2624885.6/31

All: 662.733+/-0.083 χ^2/NDF: 4803664.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

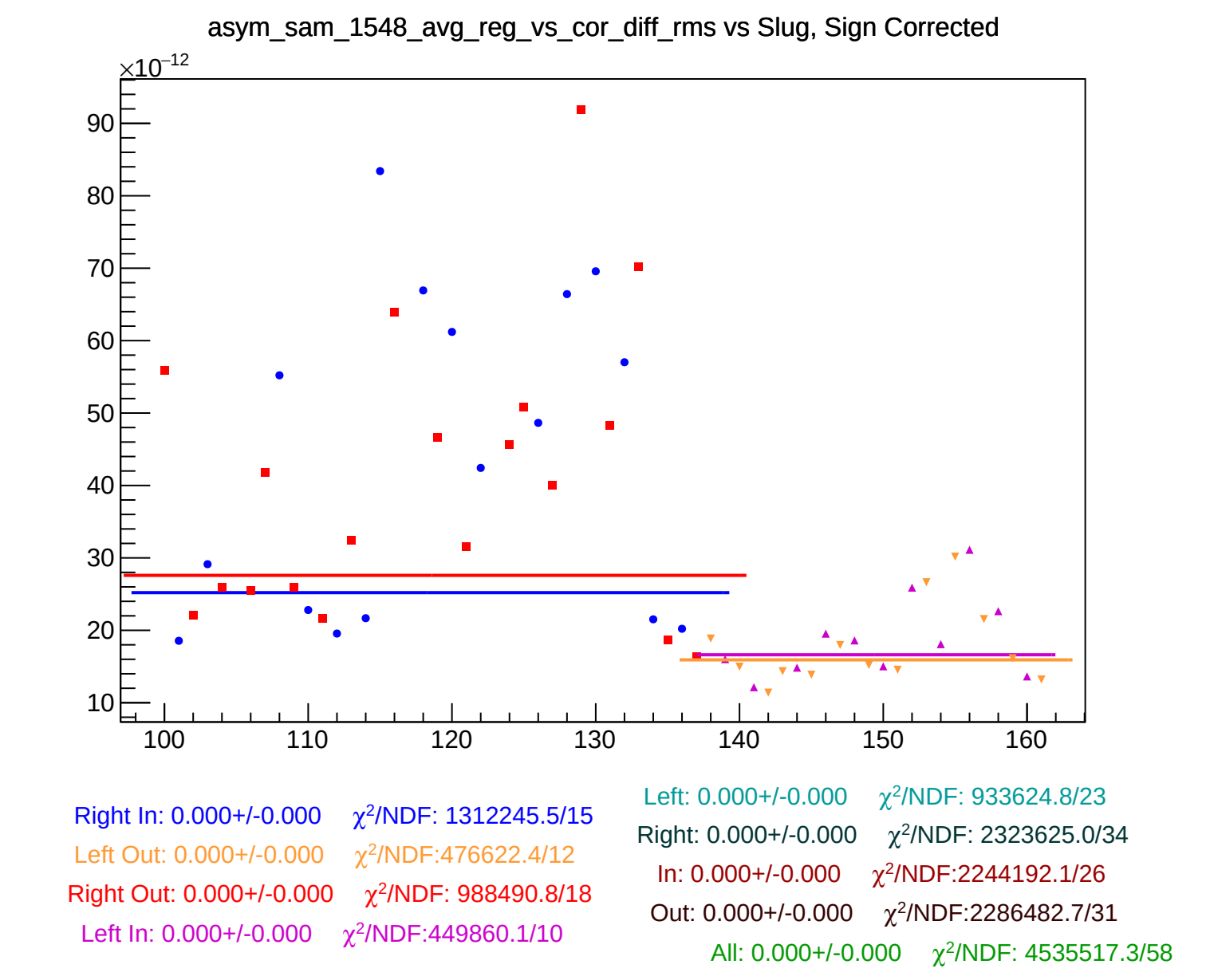
Left: 0.000+/-0.000 χ^2/NDF: 15.4/23

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:31.4/26

Out: 0.000+/-0.000 χ^2/NDF:34.9/31

All: 0.000+/-0.000 χ^2/NDF: 66.3/58


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
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10
100
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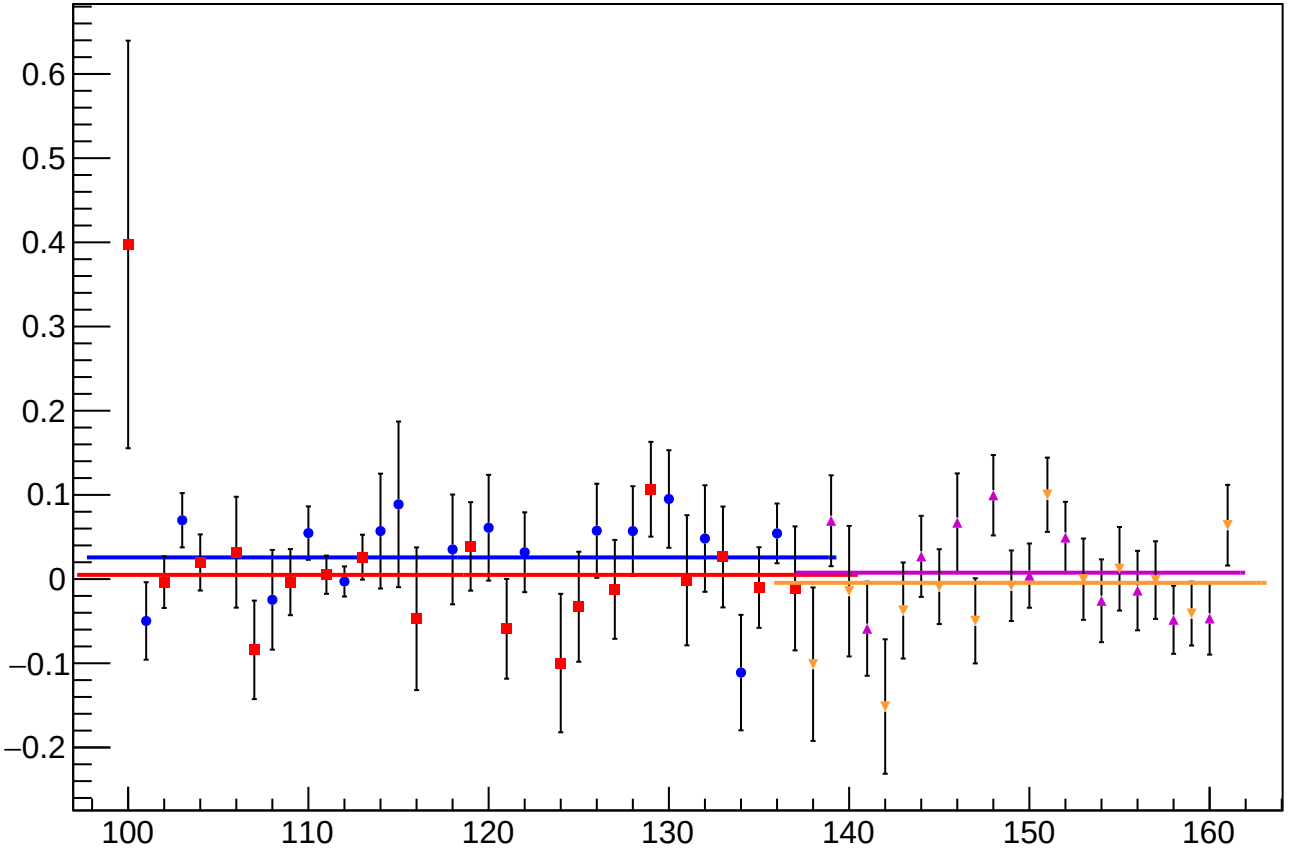
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:476622.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:449860.1/10
Left: 0.000+/-0.000 χ²/NDF: 933624.8/23
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2244192.1/26
Out: 0.000+/-0.000 χ²/NDF:2286482.7/31
All: 0.000+/-0.000 χ²/NDF: 4535517.3/58

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: -0.004+/-0.014 χ^2/NDF:14.4/12

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.014 χ^2/NDF:12.8/10

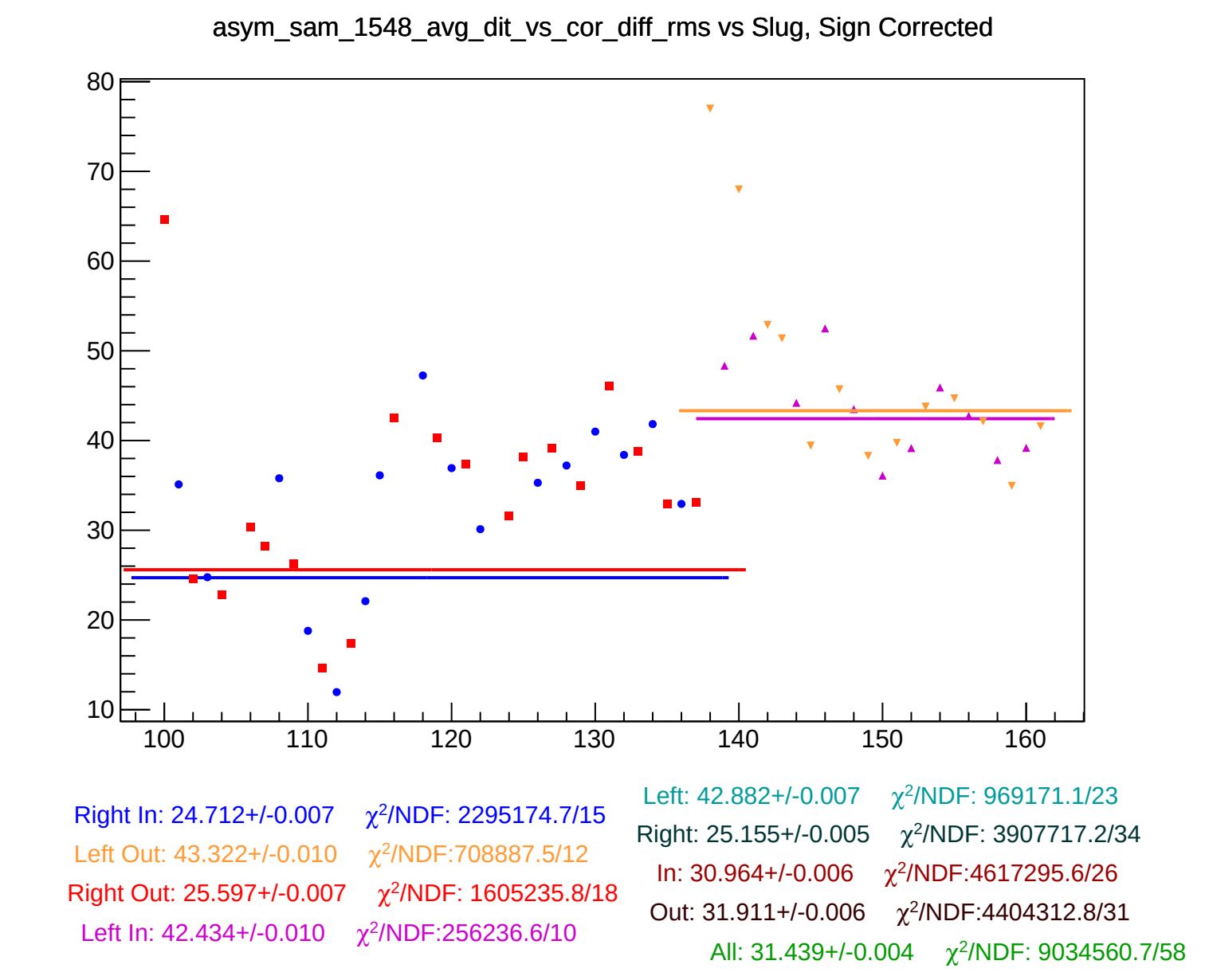
Left: 0.002+/-0.010 χ^2/NDF: 27.5/23

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: 0.002+/-0.008 χ^2/NDF:28.3/31

All: 0.010+/-0.006 χ^2/NDF: 60.9/58


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
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30
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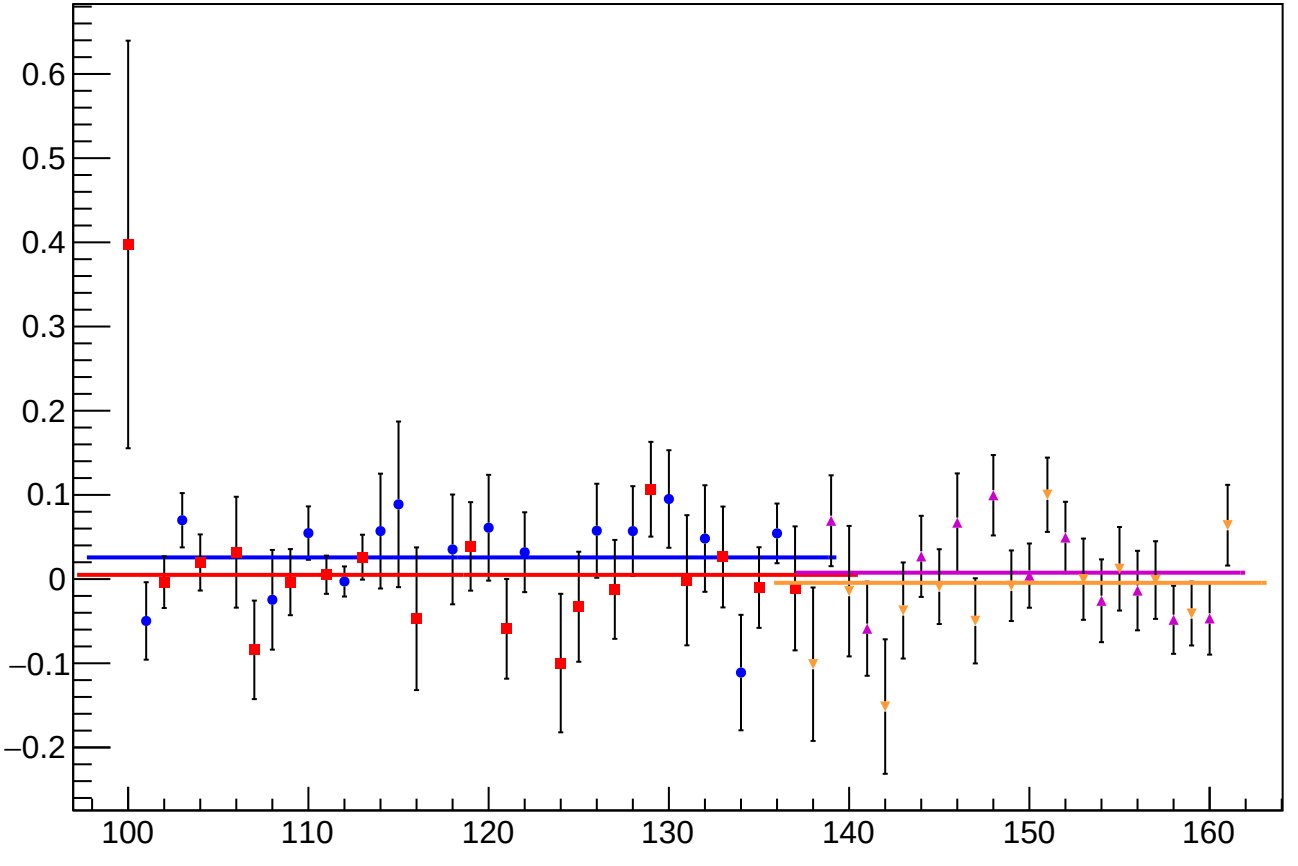
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.322+/-0.010 χ²/NDF:708887.5/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.434+/-0.010 χ²/NDF:256236.6/10
Left: 42.882+/-0.007 χ²/NDF: 969171.1/23
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 30.964+/-0.006 χ²/NDF:4617295.6/26
Out: 31.911+/-0.006 χ²/NDF:4404312.8/31
All: 31.439+/-0.004 χ²/NDF: 9034560.7/58

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: -0.004+/-0.014 χ^2/NDF:14.4/12

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.014 χ^2/NDF:12.8/10

Left: 0.002+/-0.010 χ^2/NDF: 27.5/23

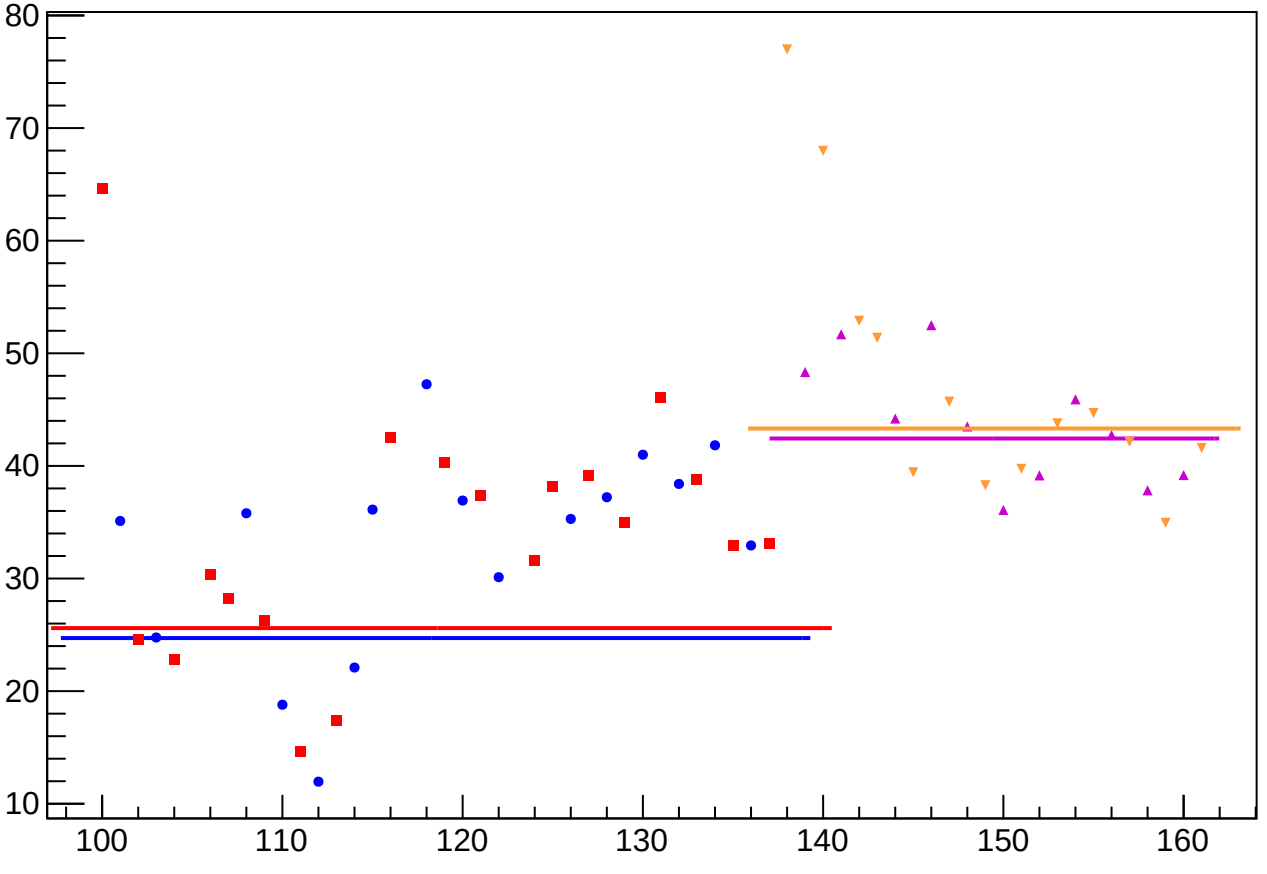
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: 0.002+/-0.008 χ^2/NDF:28.3/31

All: 0.010+/-0.006 χ^2/NDF: 60.9/58

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.322+/-0.010 χ^2/NDF:708887.5/12

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.434+/-0.010 χ^2/NDF:256236.6/10

Left: 42.882+/-0.007 χ^2/NDF: 969171.1/23

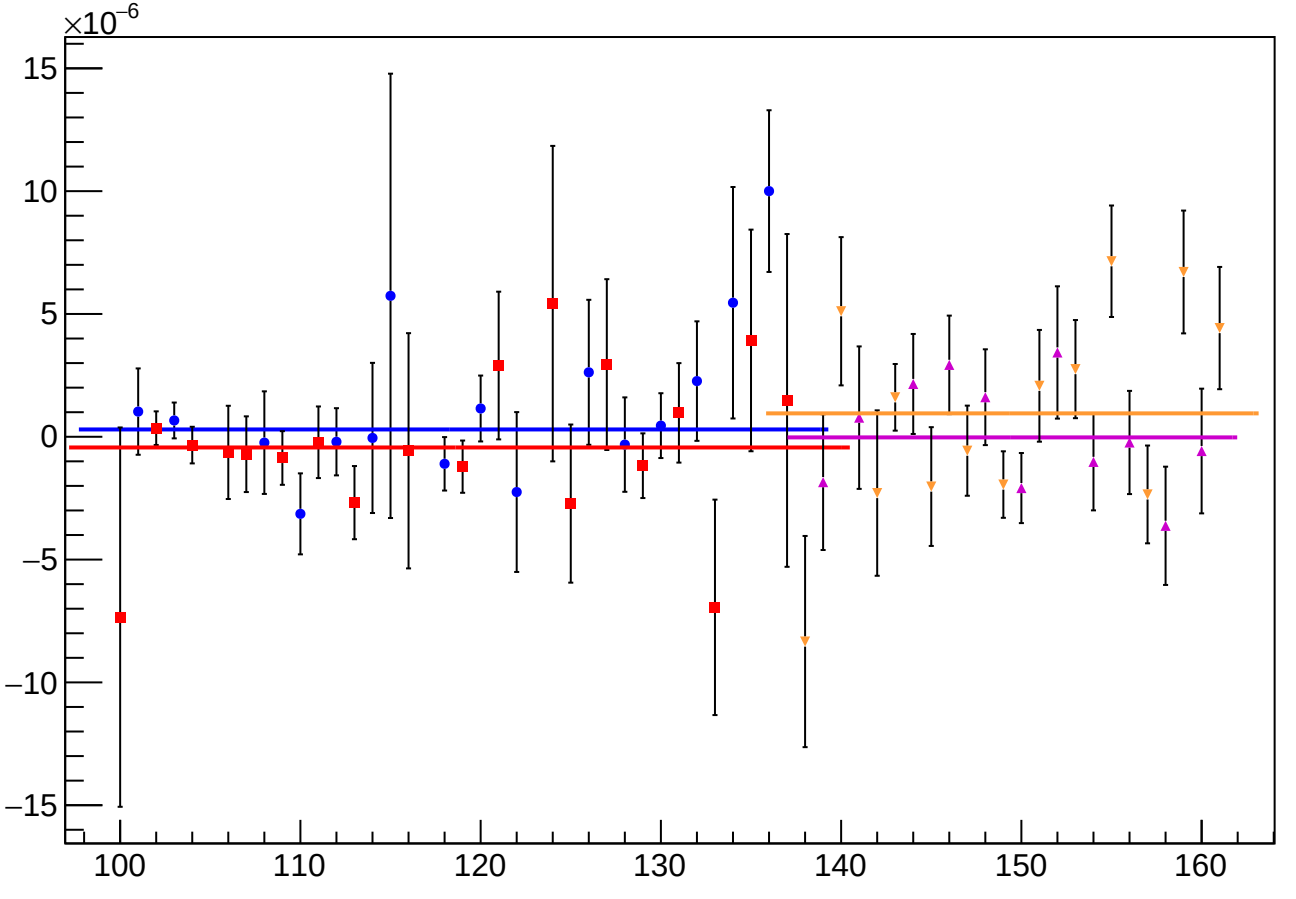
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 30.964+/-0.006 χ^2/NDF:4617295.6/26

Out: 31.911+/-0.006 χ^2/NDF:4404312.8/31

All: 31.439+/-0.004 χ^2/NDF: 9034560.7/58

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/10

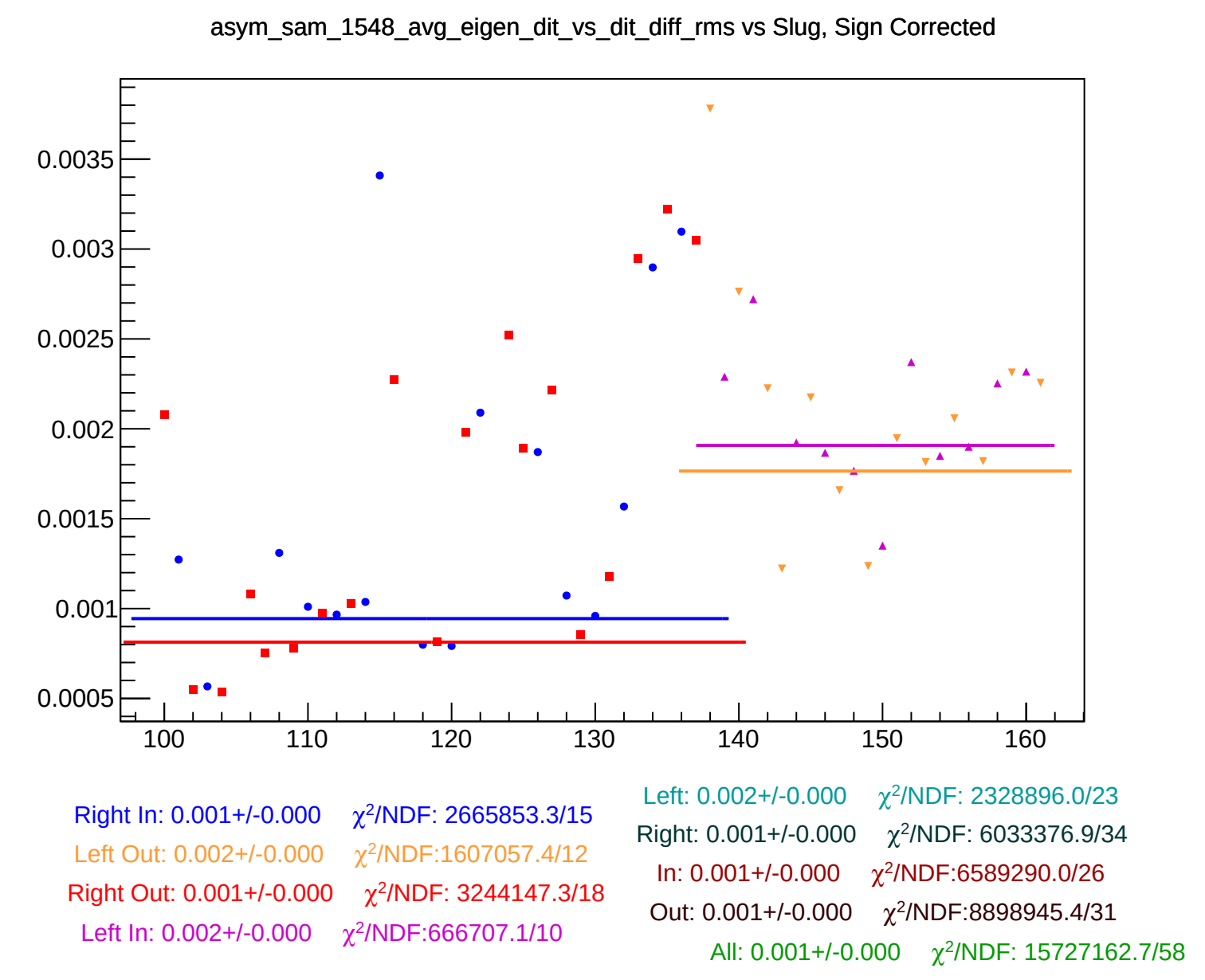
Left: 0.000+/-0.000 χ^2/NDF: 45.1/23

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.3/26

Out: -0.000+/-0.000 χ^2/NDF:50.0/31

All: 0.000+/-0.000 χ^2/NDF: 80.7/58


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
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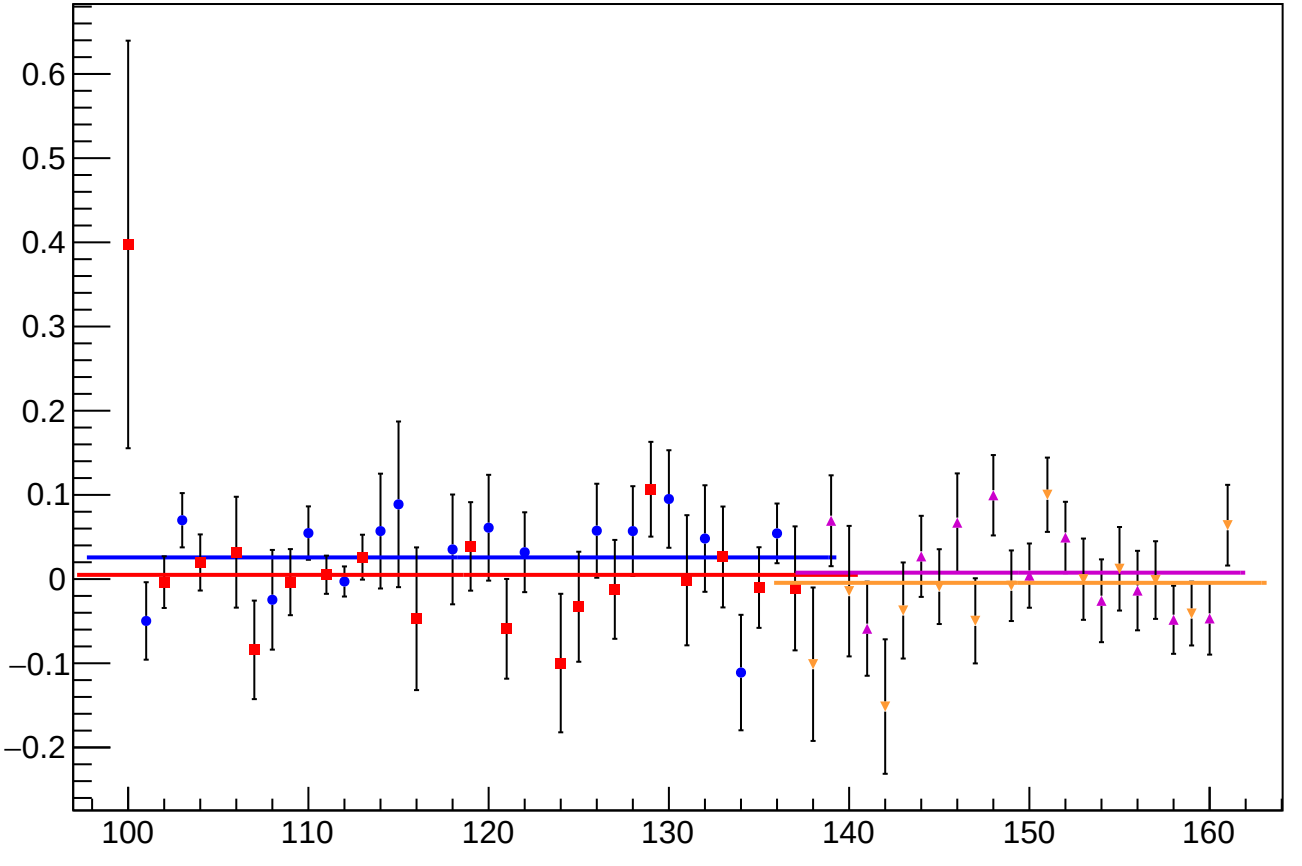
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607057.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:666707.1/10
Left: 0.002+/-0.000 χ²/NDF: 2328896.0/23
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:6589290.0/26
Out: 0.001+/-0.000 χ²/NDF:8898945.4/31
All: 0.001+/-0.000 χ²/NDF: 15727162.7/58

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: -0.004+/-0.014 χ^2/NDF:14.4/12

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.014 χ^2/NDF:12.8/10

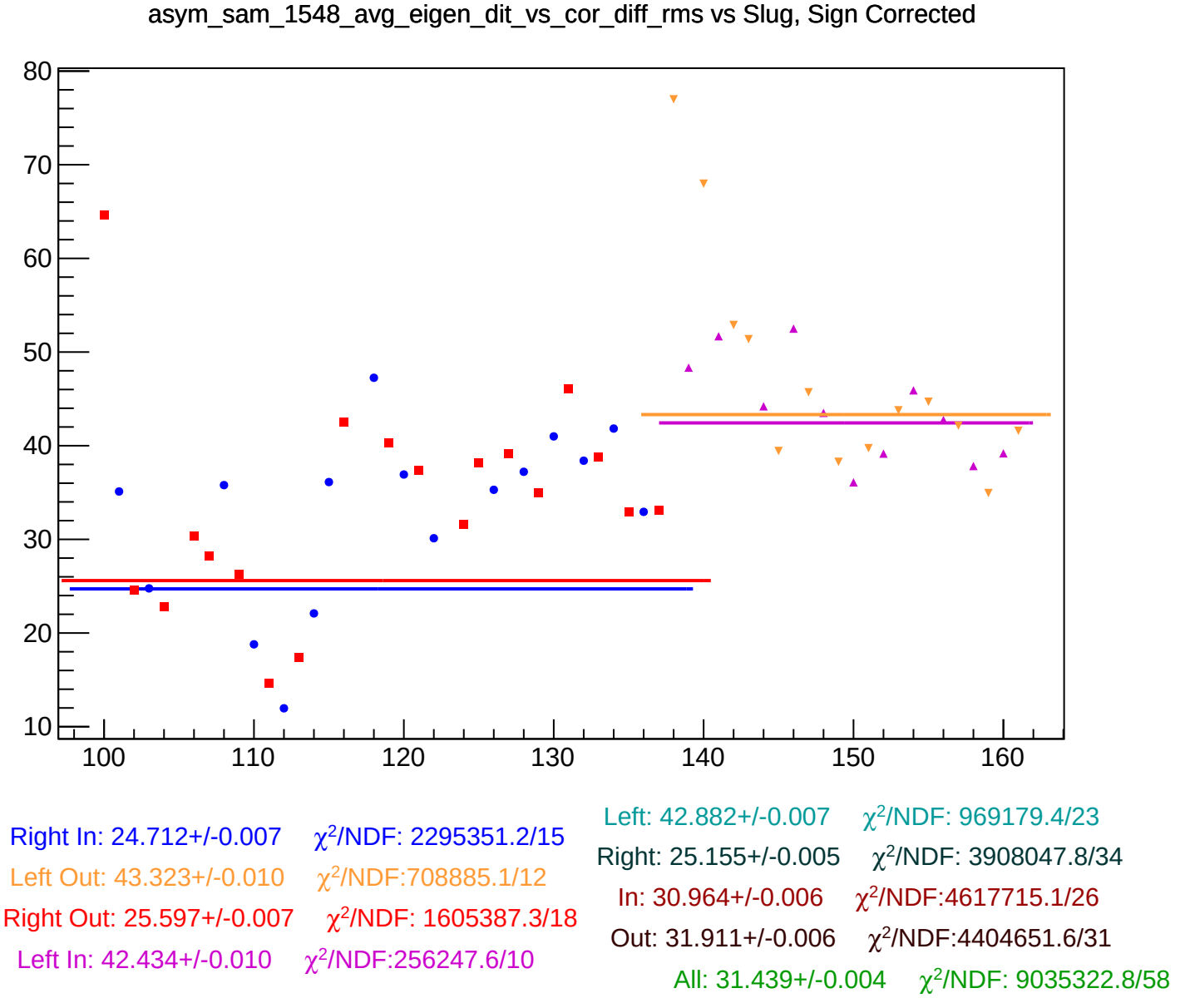
Left: 0.002+/-0.010 χ^2/NDF: 27.5/23

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: 0.002+/-0.008 χ^2/NDF:28.3/31

All: 0.010+/-0.006 χ^2/NDF: 60.9/58


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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140
150
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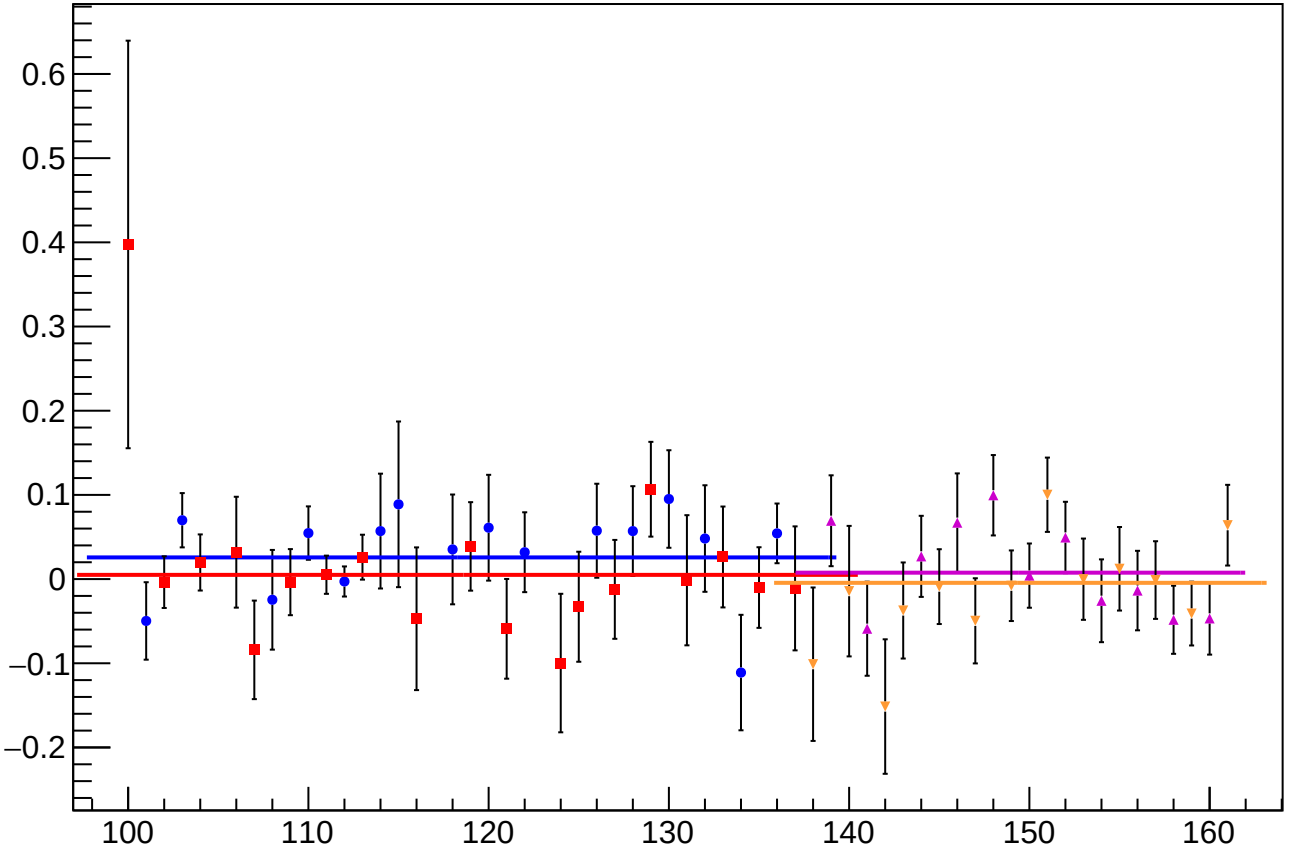
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.323+/-0.010 χ²/NDF:708885.1/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
Left: 42.882+/-0.007 χ²/NDF: 969179.4/23
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 30.964+/-0.006 χ²/NDF:4617715.1/26
Out: 31.911+/-0.006 χ²/NDF:4404651.6/31
All: 31.439+/-0.004 χ²/NDF: 9035322.8/58

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: -0.004+/-0.014 χ^2/NDF:14.4/12

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.014 χ^2/NDF:12.8/10

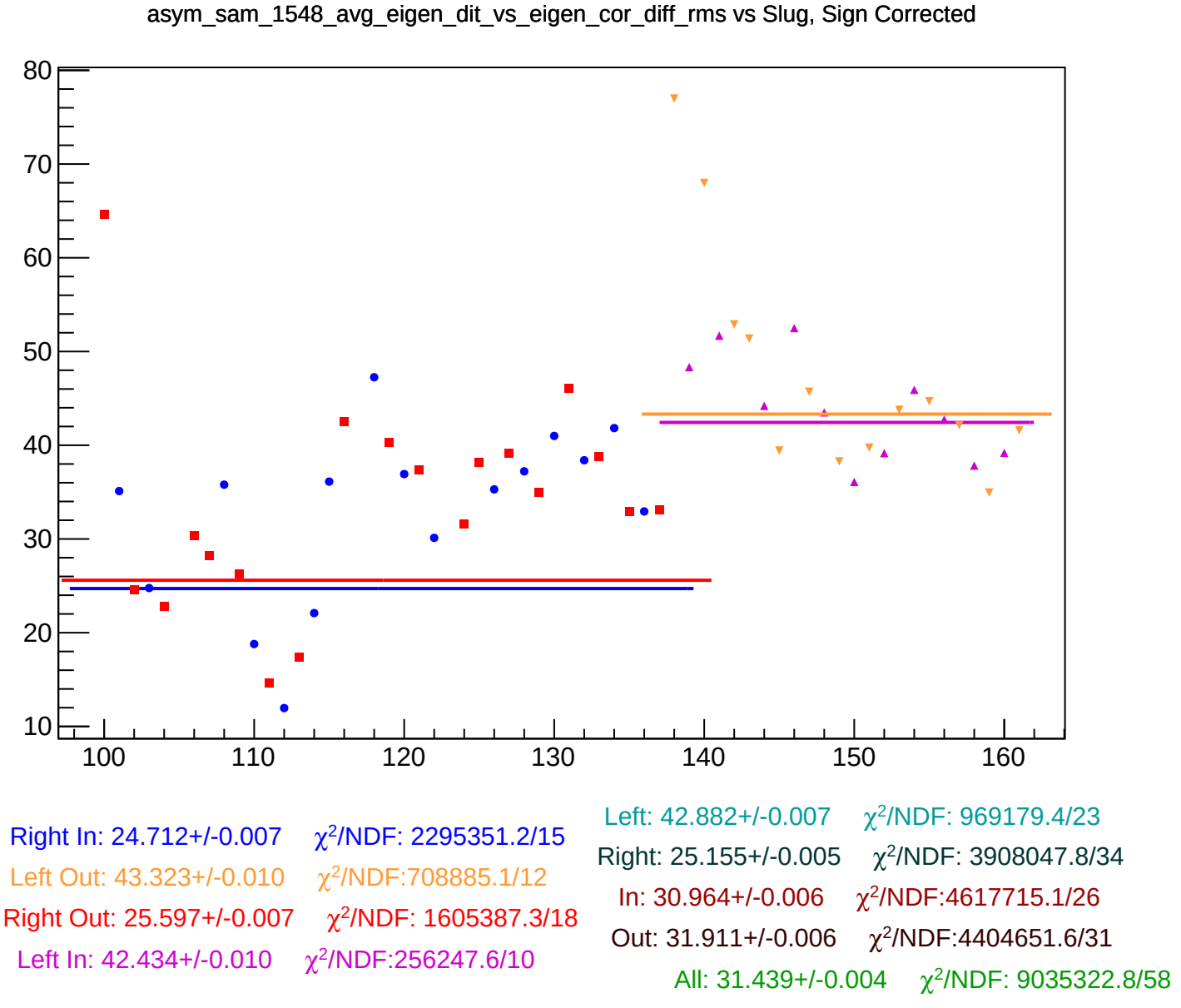
Left: 0.002+/-0.010 χ^2/NDF: 27.5/23

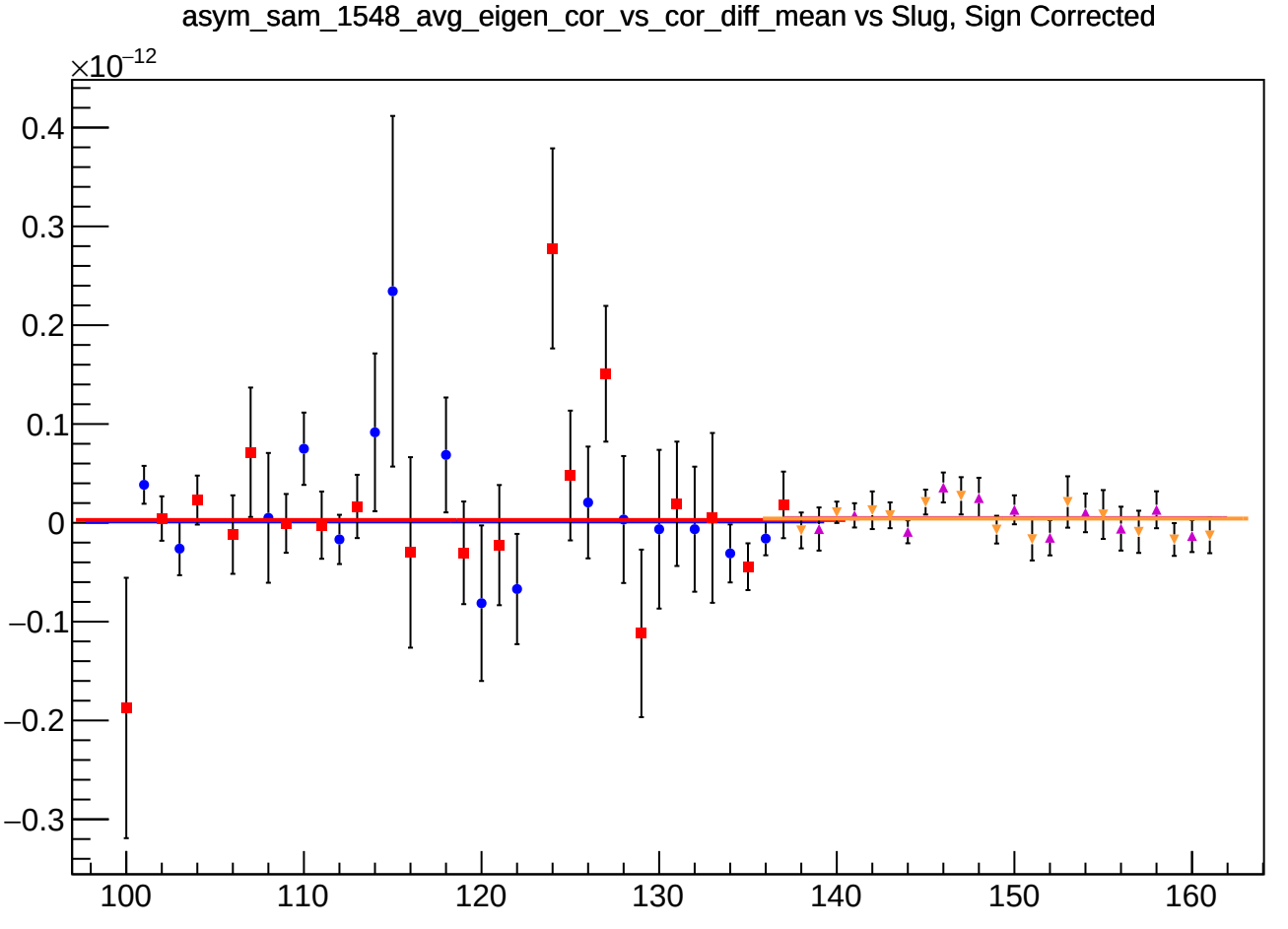
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.4/26

Out: 0.002+/-0.008 χ^2/NDF:28.3/31

All: 0.010+/-0.006 χ^2/NDF: 60.9/58


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.323+/-0.010 χ²/NDF:708885.1/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
Left: 42.882+/-0.007 χ²/NDF: 969179.4/23
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 30.964+/-0.006 χ²/NDF:4617715.1/26
Out: 31.911+/-0.006 χ²/NDF:4404651.6/31
All: 31.439+/-0.004 χ²/NDF: 9035322.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

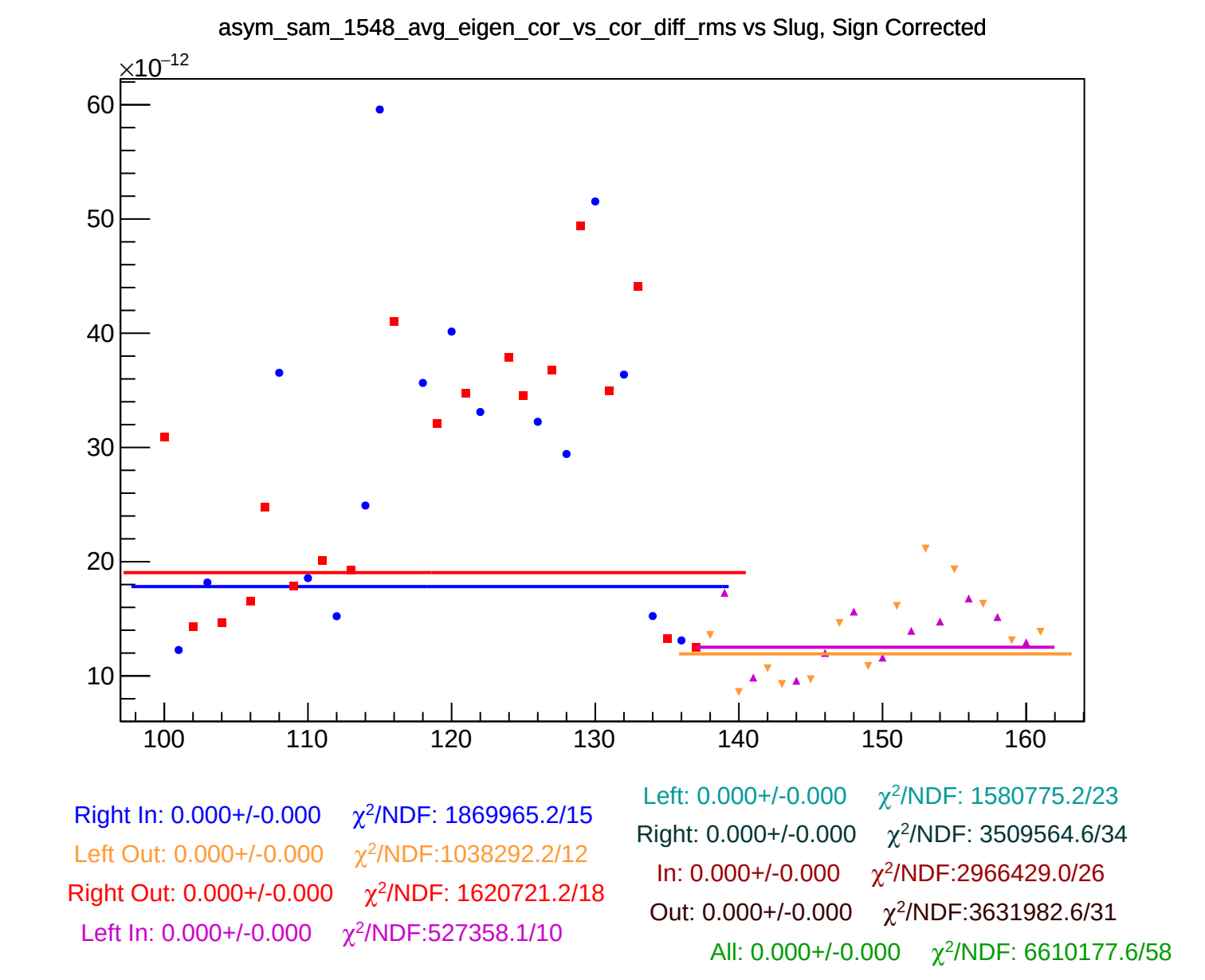
Left: 0.000+/-0.000 χ^2/NDF: 19.5/23

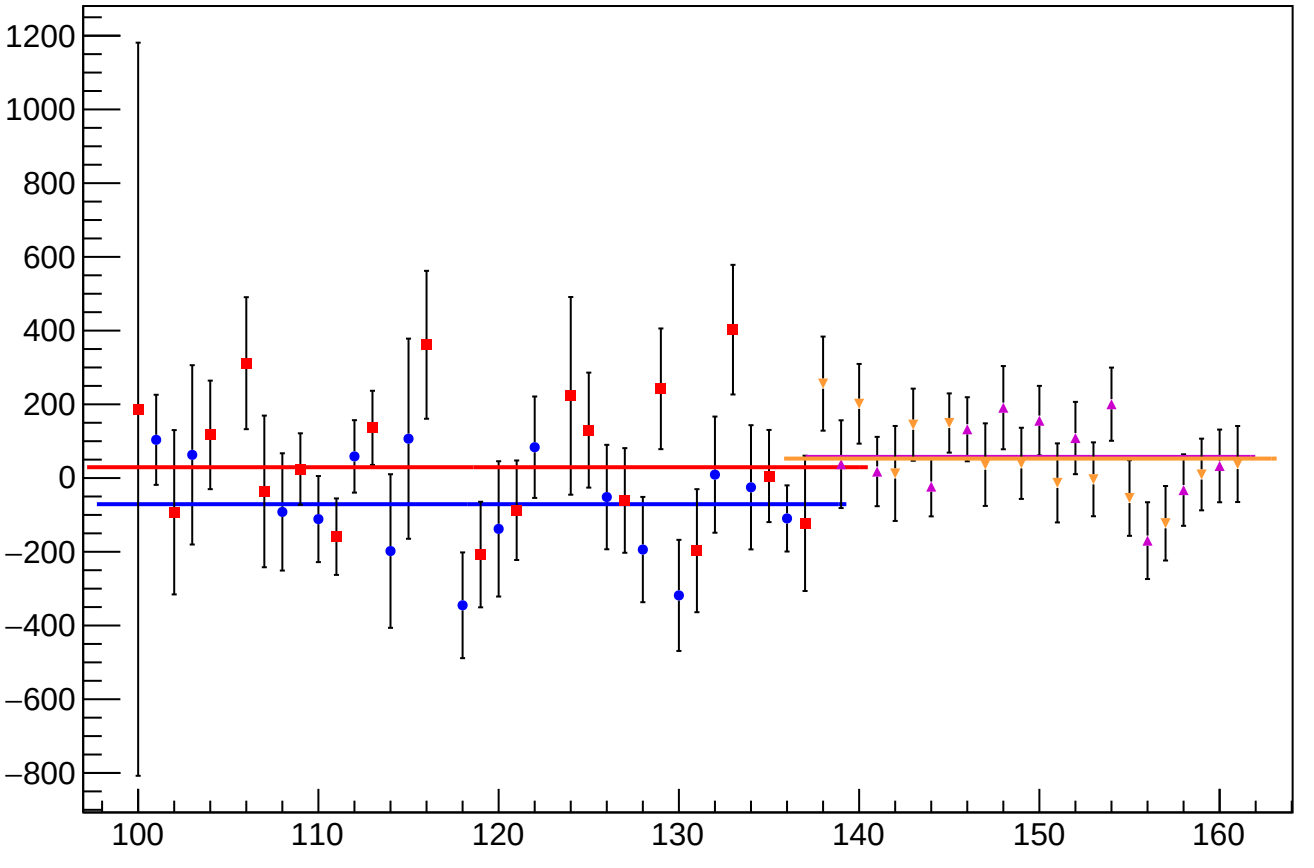
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:29.0/26

Out: 0.000+/-0.000 χ^2/NDF:32.8/31

All: 0.000+/-0.000 χ^2/NDF: 61.8/58


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1038292.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:527358.1/10
Left: 0.000+/-0.000 χ²/NDF: 1580775.2/23
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2966429.0/26
Out: 0.000+/-0.000 χ²/NDF:3631982.6/31
All: 0.000+/-0.000 χ²/NDF: 6610177.6/58



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.834+/-28.481 χ^2/NDF:11.9/12

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 57.421+/-29.277 χ^2/NDF:12.5/10

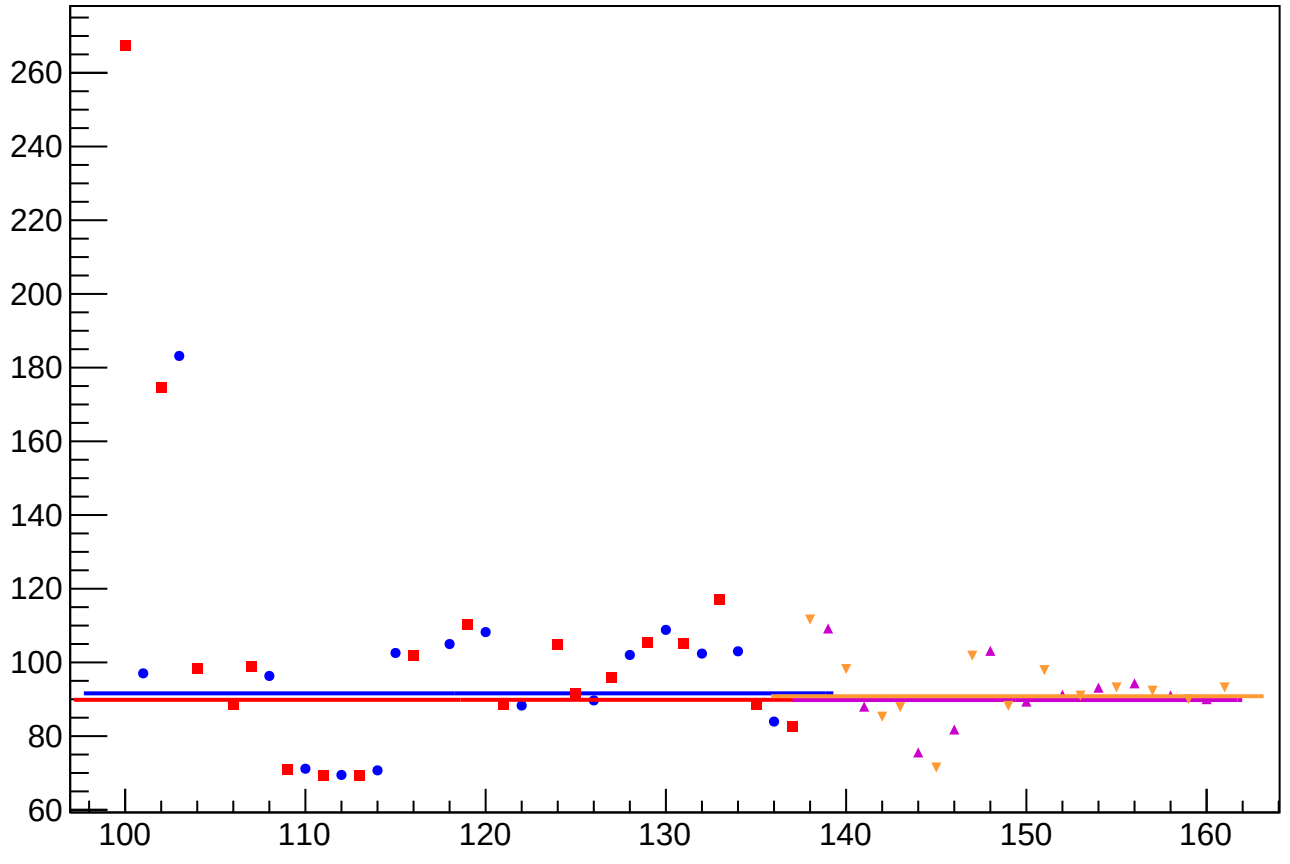
Left: 55.064+/-20.415 χ^2/NDF: 24.4/23

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 4.817+/-22.488 χ^2/NDF:34.4/26

Out: 43.256+/-21.897 χ^2/NDF:36.2/31

All: 24.548+/-15.688 χ^2/NDF: 72.1/58



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

Left: 90.326+/-0.014 χ^2/NDF: 385050.3/23

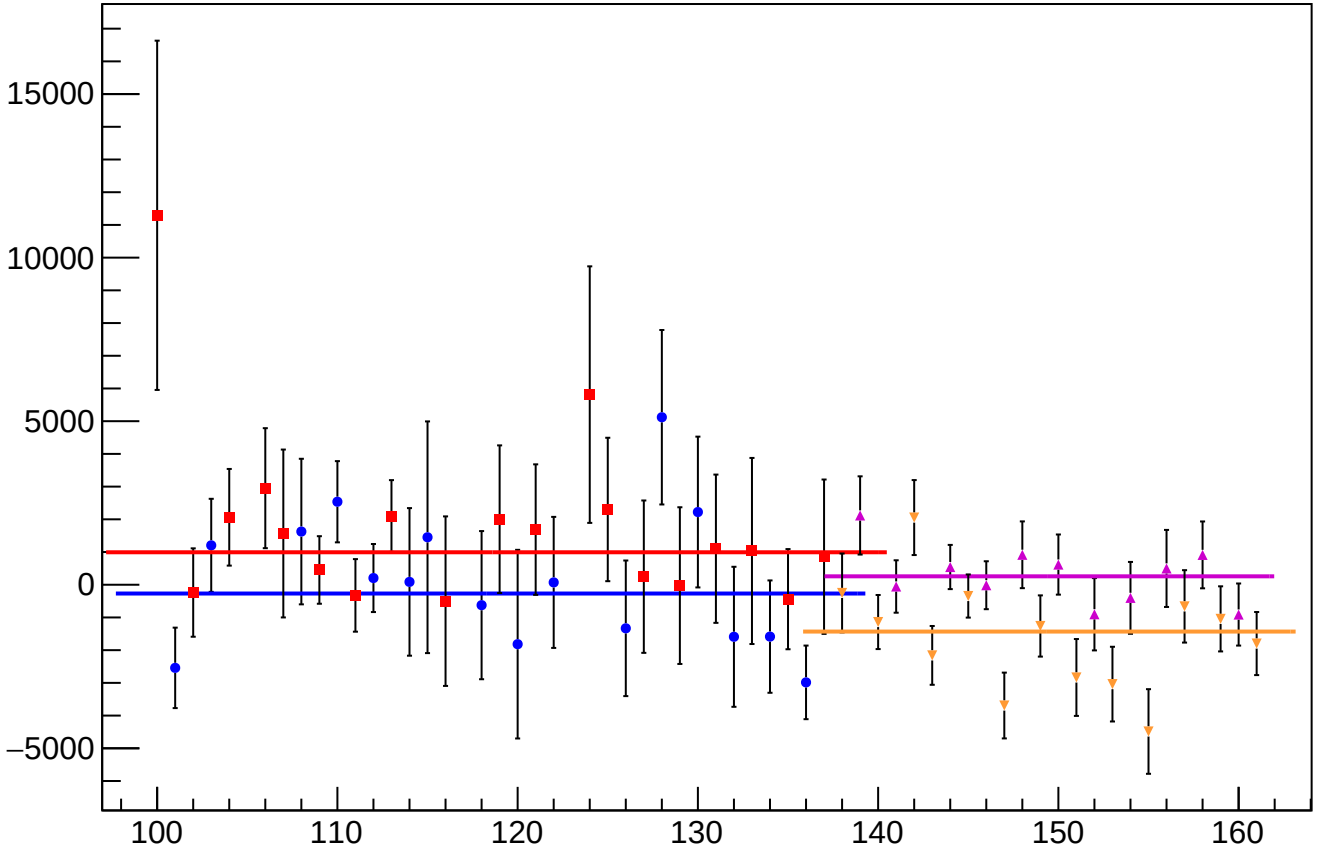
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.538+/-0.016 χ^2/NDF:751483.8/26

Out: 90.430+/-0.015 χ^2/NDF:963349.1/31

All: 90.483+/-0.011 χ^2/NDF: 1714856.9/58

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: -1431.481+/-271.498 χ^2/NDF:28.5/12

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 257.427+/-278.540 χ^2/NDF:6.9/10

Left: -608.644+/-194.420 χ^2/NDF: 54.3/23

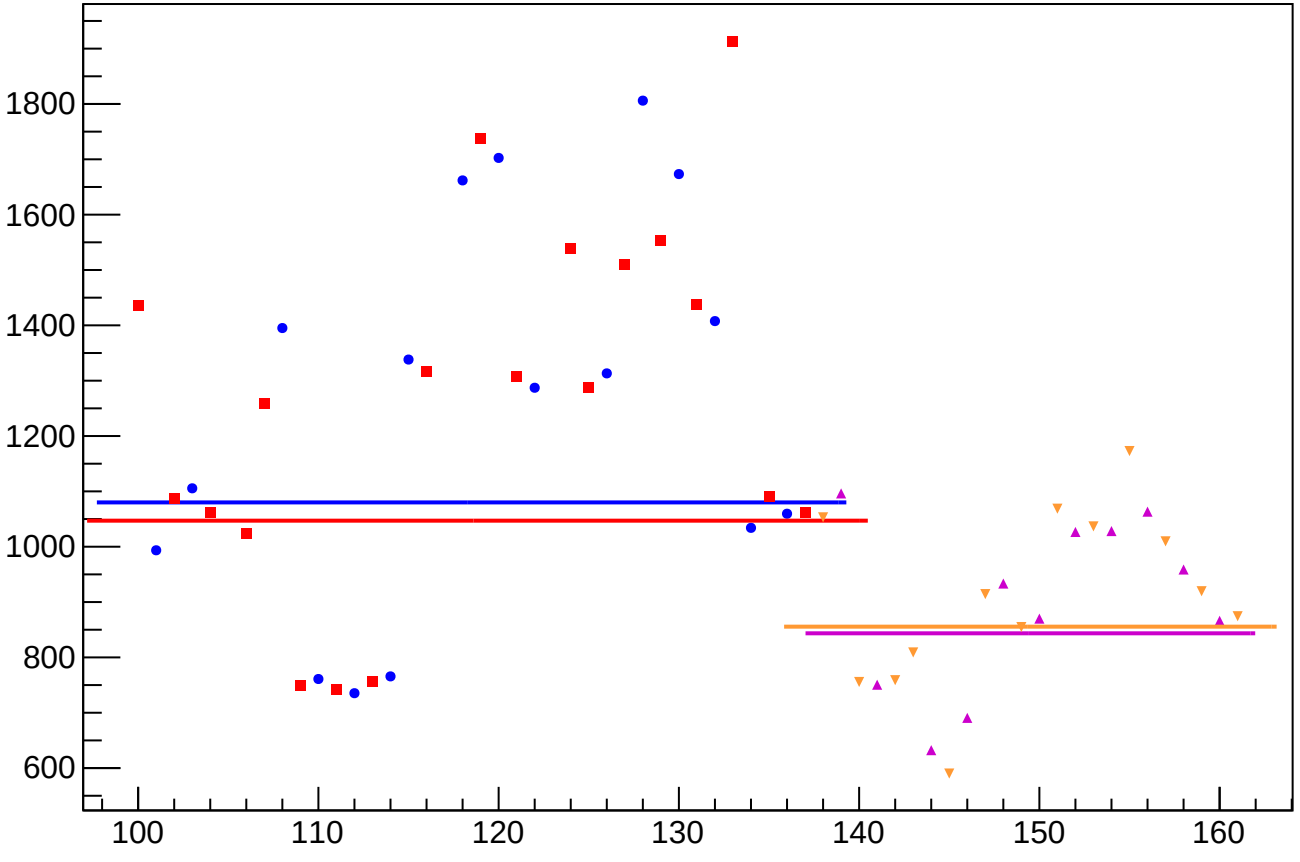
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 96.553+/-232.060 χ^2/NDF:31.4/26

Out: -669.069+/-224.786 χ^2/NDF:66.3/31

All: -298.445+/-161.458 χ^2/NDF: 103.3/58

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 855.547+/-0.192 χ^2/NDF:717209.5/12

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 843.528+/-0.197 χ^2/NDF:623380.0/10

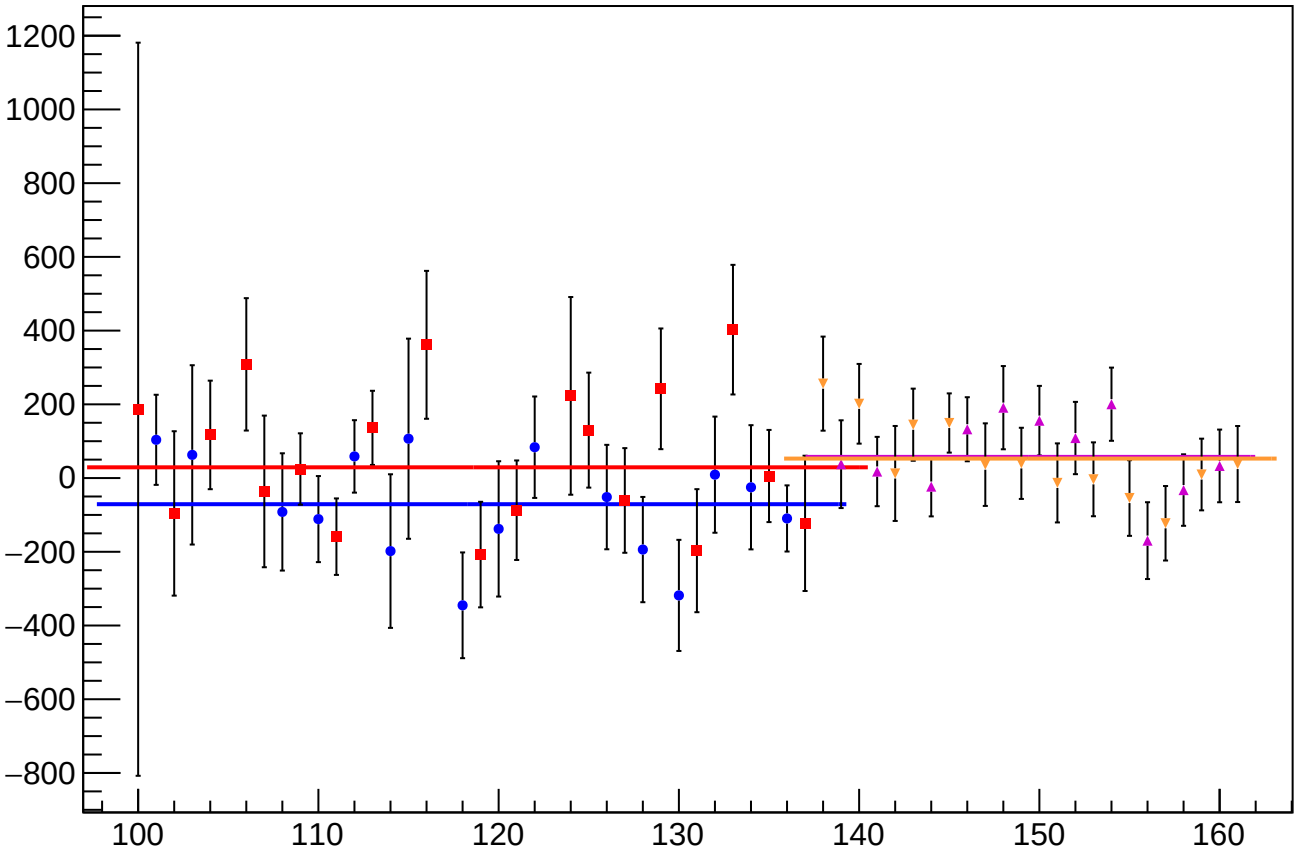
Left: 849.691+/-0.137 χ^2/NDF: 1342499.3/23

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 915.878+/-0.164 χ^2/NDF:2117967.3/26

Out: 915.782+/-0.159 χ^2/NDF:2228863.3/31

All: 915.828+/-0.114 χ^2/NDF: 4346830.8/58



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.836+/-28.481 χ^2/NDF:11.9/12

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 57.425+/-29.277 χ^2/NDF:12.4/10

Left: 55.067+/-20.415 χ^2/NDF: 24.4/23

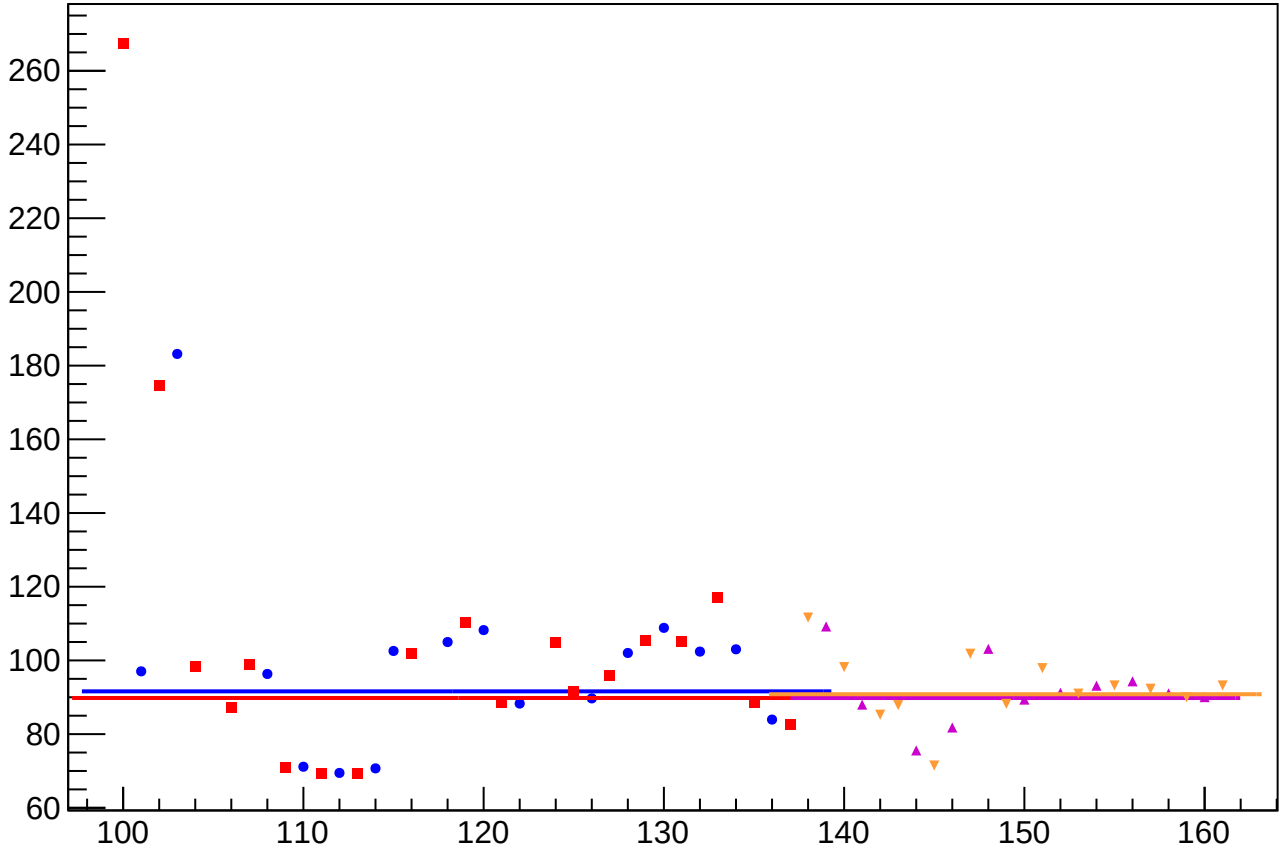
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 4.814+/-22.488 χ^2/NDF:34.4/26

Out: 43.156+/-21.898 χ^2/NDF:36.2/31

All: 24.495+/-15.689 χ^2/NDF: 72.0/58

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

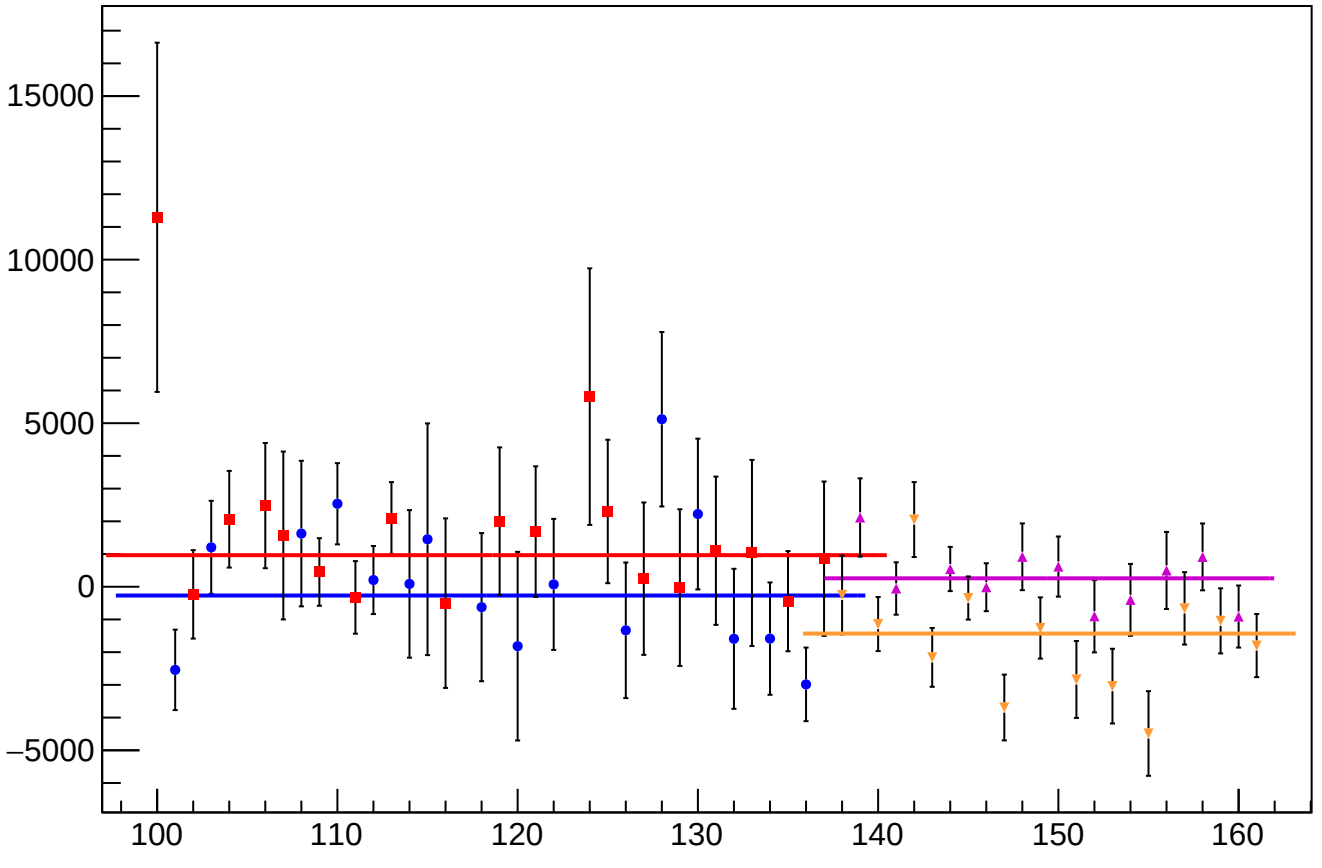
Left: 90.326+/-0.014 χ^2/NDF: 385050.3/23

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.538+/-0.016 χ^2/NDF:751486.9/26

Out: 90.410+/-0.015 χ^2/NDF:963988.7/31

All: 90.473+/-0.011 χ^2/NDF: 1715508.8/58



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.480+/-271.498 χ^2/NDF:28.5/12

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 257.435+/-278.540 χ^2/NDF:6.9/10

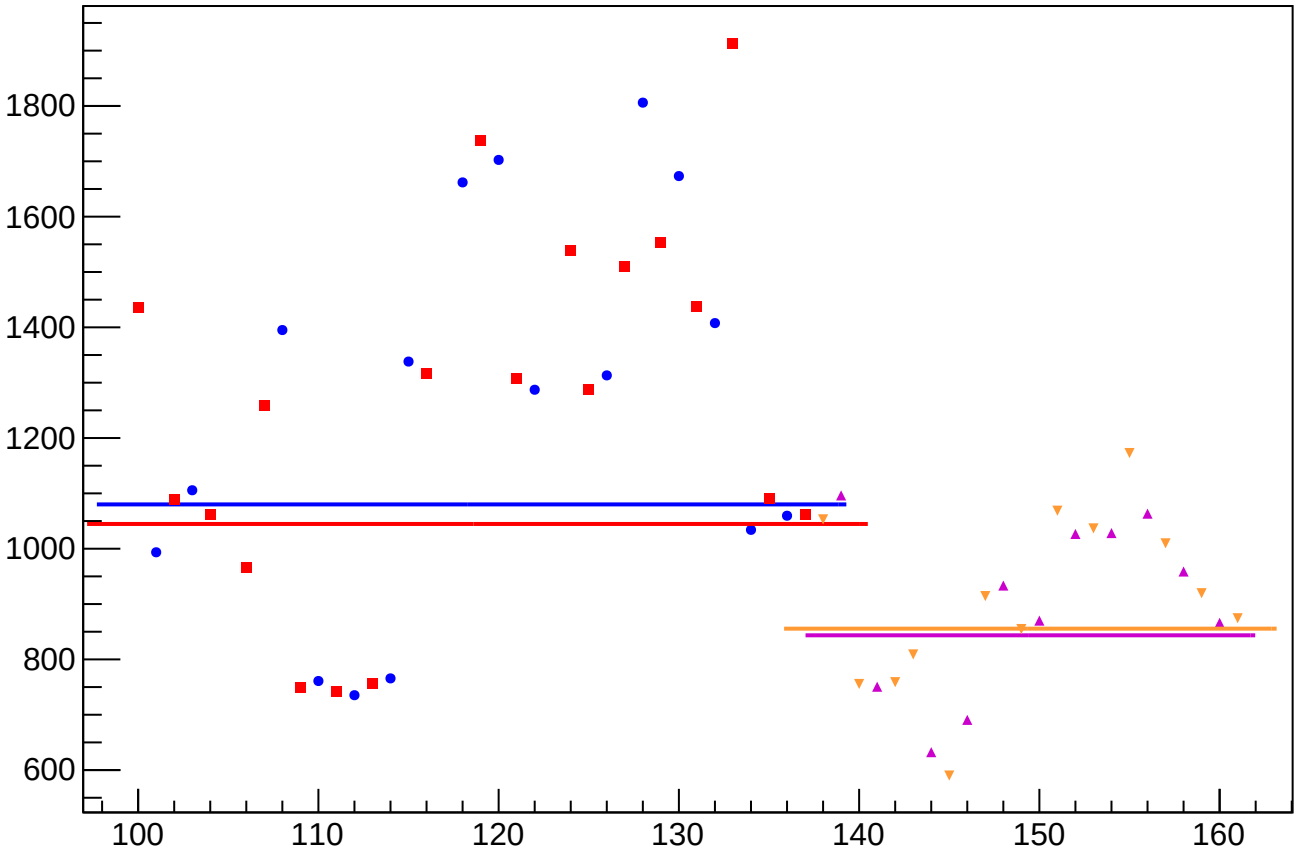
Left: -608.640+/-194.420 χ^2/NDF: 54.3/23

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 96.554+/-232.060 χ^2/NDF:31.4/26

Out: -679.856+/-224.928 χ^2/NDF:65.1/31

All: -303.765+/-161.511 χ^2/NDF: 102.3/58



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 855.547+/-0.192 χ^2/NDF:717212.3/12

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

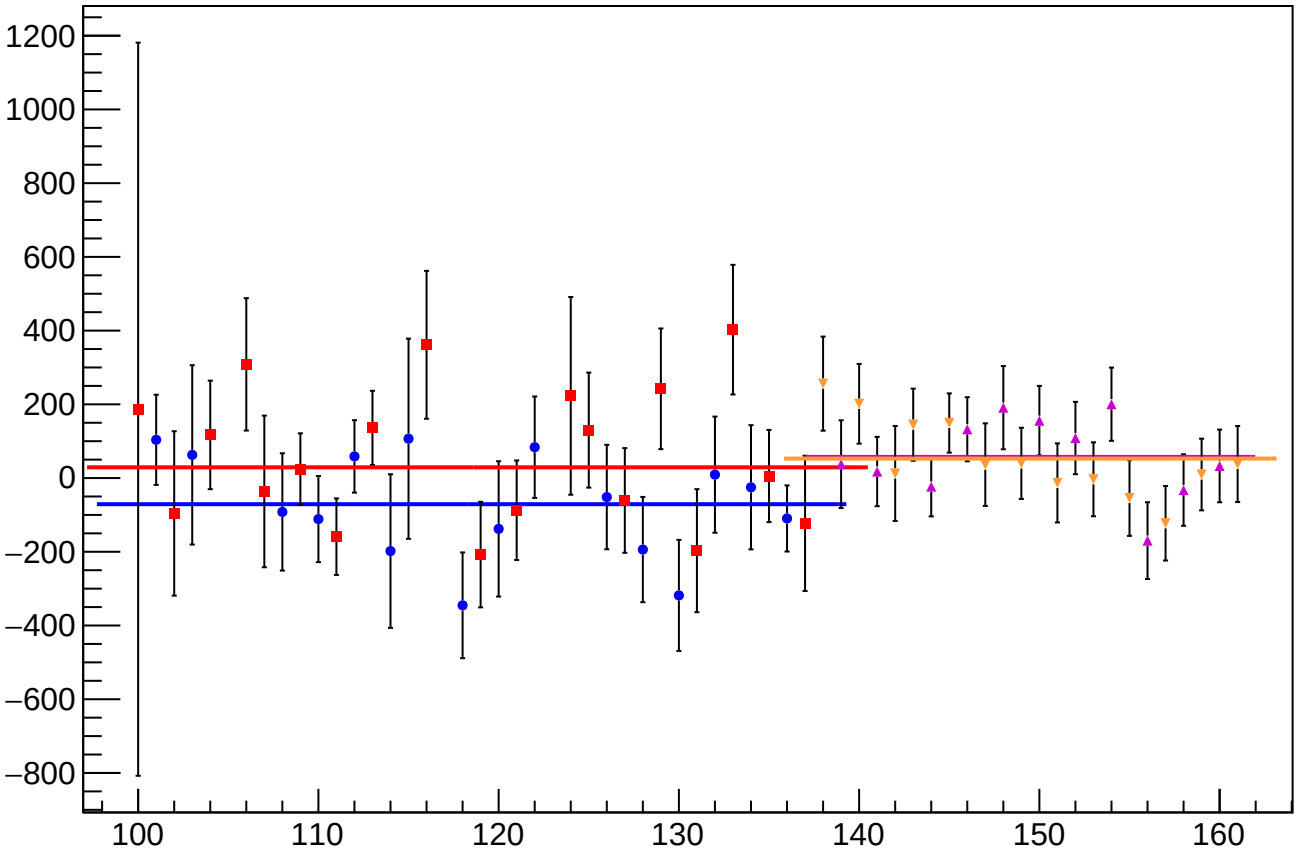
Left: 849.691+/-0.137 χ^2/NDF: 1342500.3/23

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.879+/-0.164 χ^2/NDF:2117999.0/26

Out: 914.878+/-0.159 χ^2/NDF:2223565.8/31

All: 915.363+/-0.114 χ^2/NDF: 4341583.9/58



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.836+/-28.481 χ^2/NDF:11.9/12

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 57.425+/-29.277 χ^2/NDF:12.4/10

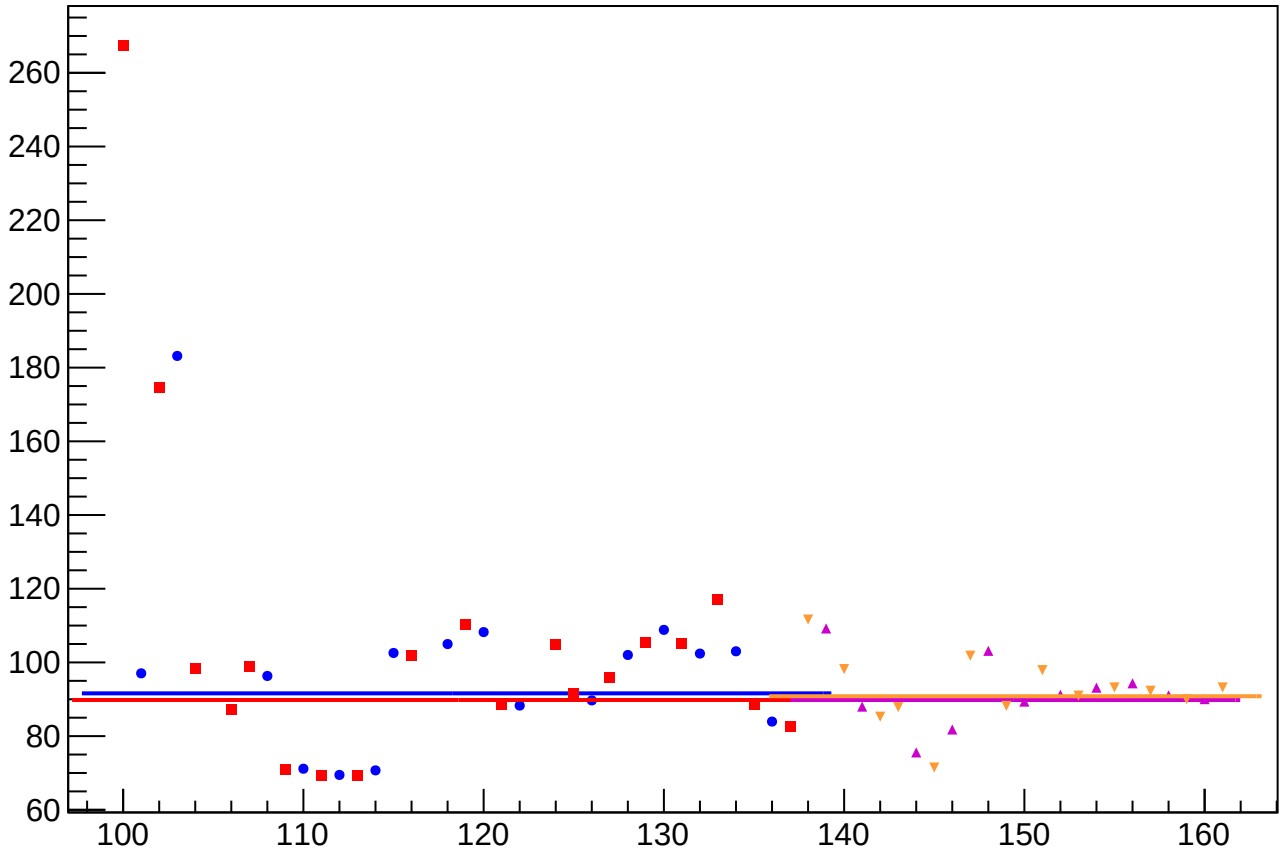
Left: 55.067+/-20.415 χ^2/NDF: 24.4/23

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 4.814+/-22.488 χ^2/NDF:34.4/26

Out: 43.156+/-21.898 χ^2/NDF:36.2/31

All: 24.495+/-15.689 χ^2/NDF: 72.0/58



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

Left: 90.326+/-0.014 χ^2/NDF: 385050.3/23

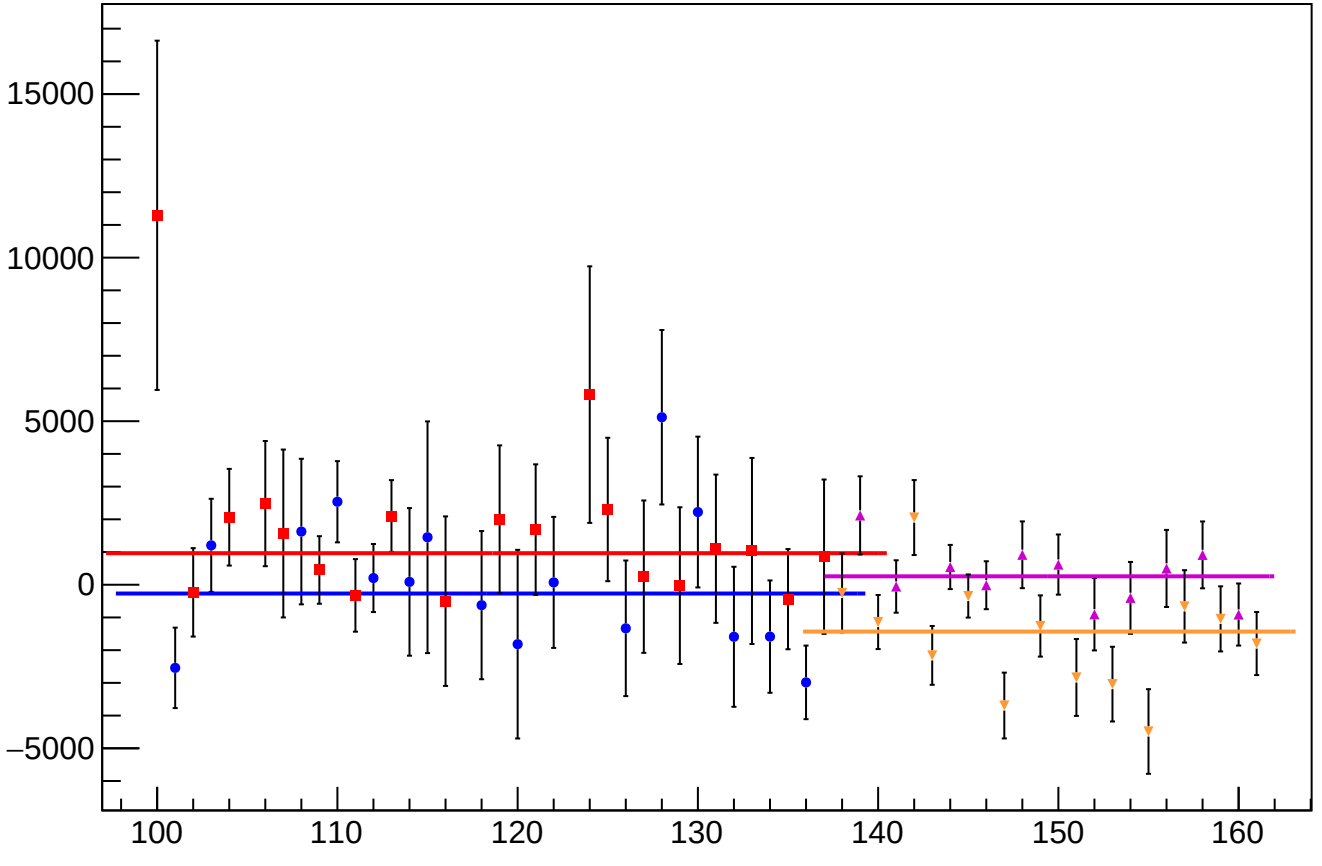
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.538+/-0.016 χ^2/NDF:751486.9/26

Out: 90.410+/-0.015 χ^2/NDF:963988.7/31

All: 90.473+/-0.011 χ^2/NDF: 1715508.8/58

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: -1431.480+/-271.498 χ^2/NDF:28.5/12

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 257.435+/-278.540 χ^2/NDF:6.9/10

Left: -608.640+/-194.420 χ^2/NDF: 54.3/23

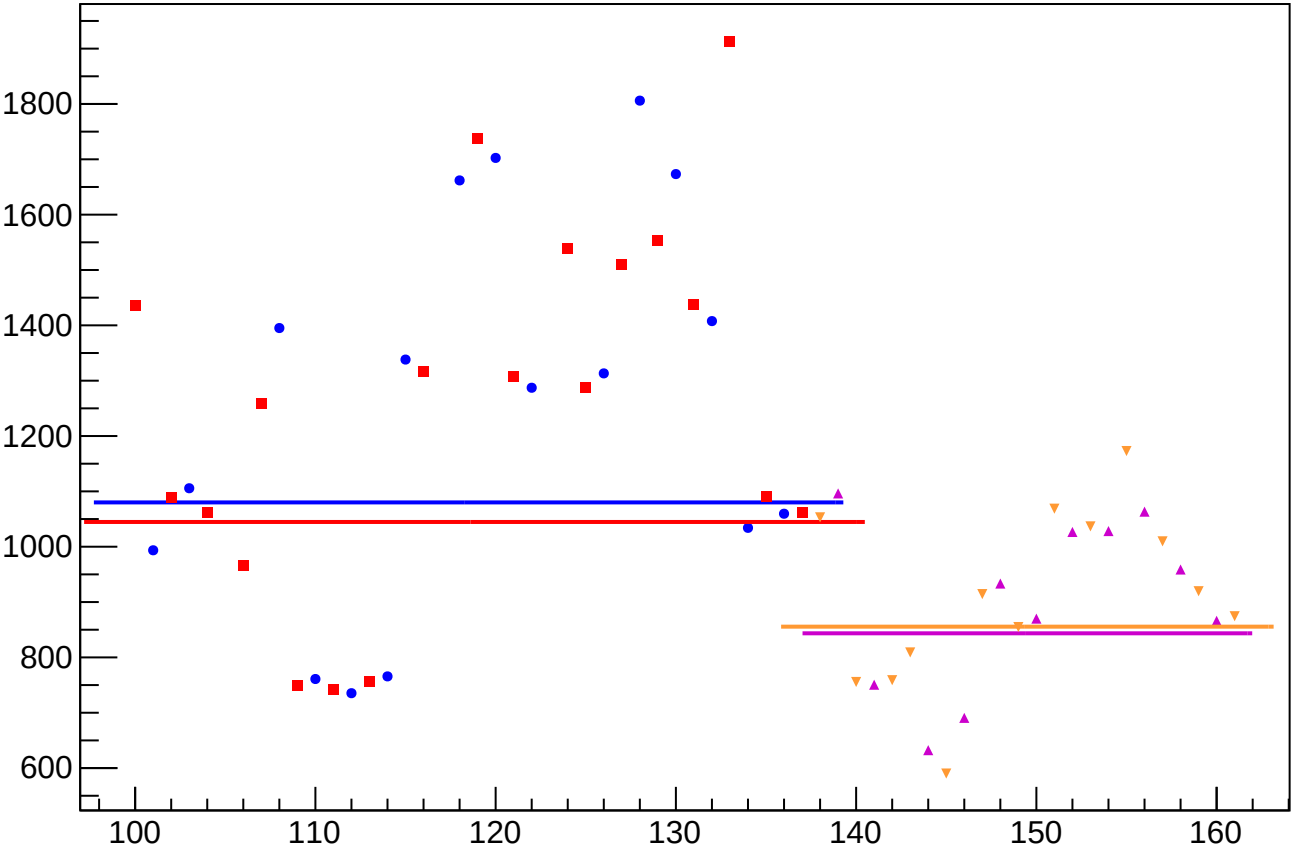
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 96.554+/-232.060 χ^2/NDF:31.4/26

Out: -679.856+/-224.928 χ^2/NDF:65.1/31

All: -303.765+/-161.511 χ^2/NDF: 102.3/58

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 855.547+/-0.192 χ^2/NDF:717212.3/12

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

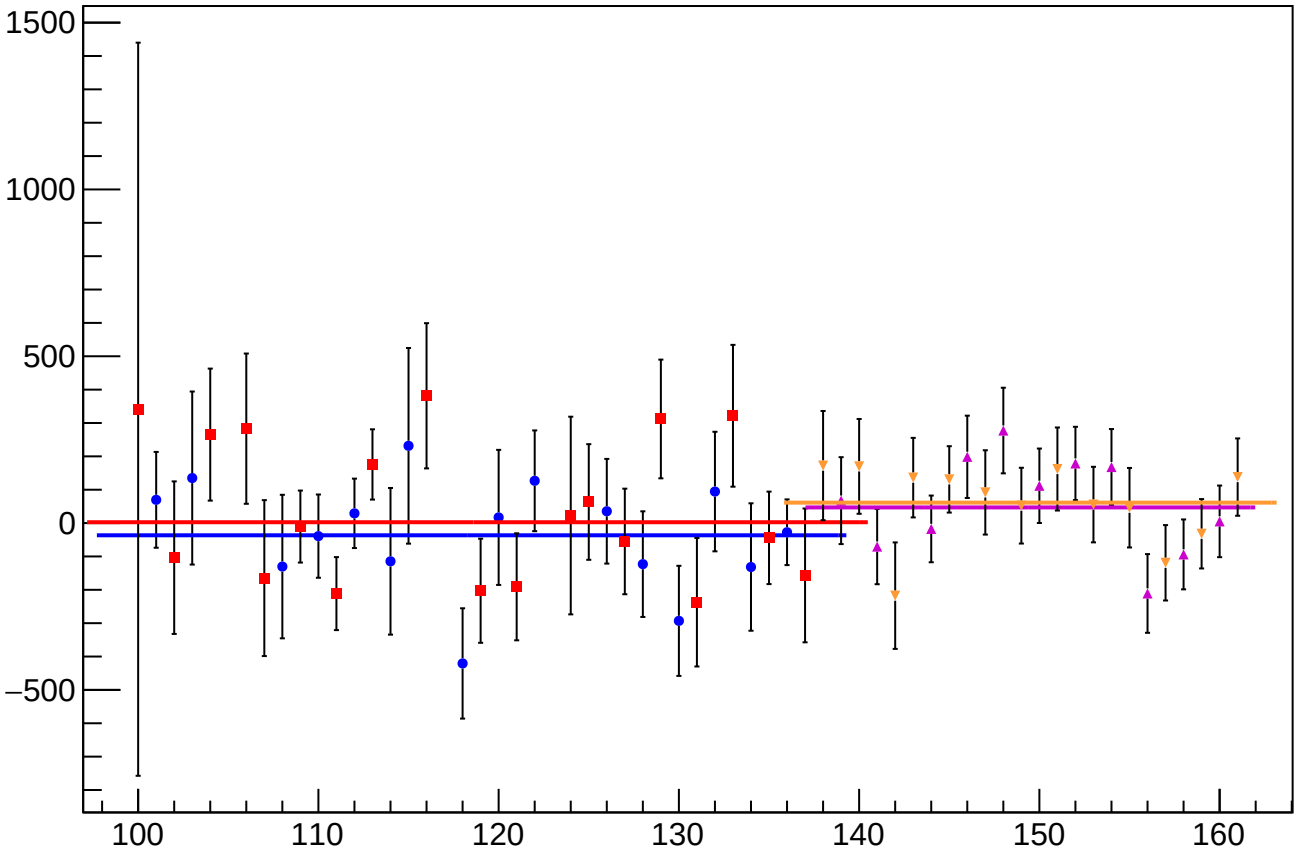
Left: 849.691+/-0.137 χ^2/NDF: 1342500.3/23

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.879+/-0.164 χ^2/NDF:2117999.0/26

Out: 914.878+/-0.159 χ^2/NDF:2223565.8/31

All: 915.363+/-0.114 χ^2/NDF: 4341583.9/58



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 61.333+/-33.408 χ^2/NDF:9.5/12

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 46.936+/-34.212 χ^2/NDF:15.9/10

Left: 54.306+/-23.902 χ^2/NDF: 25.5/23

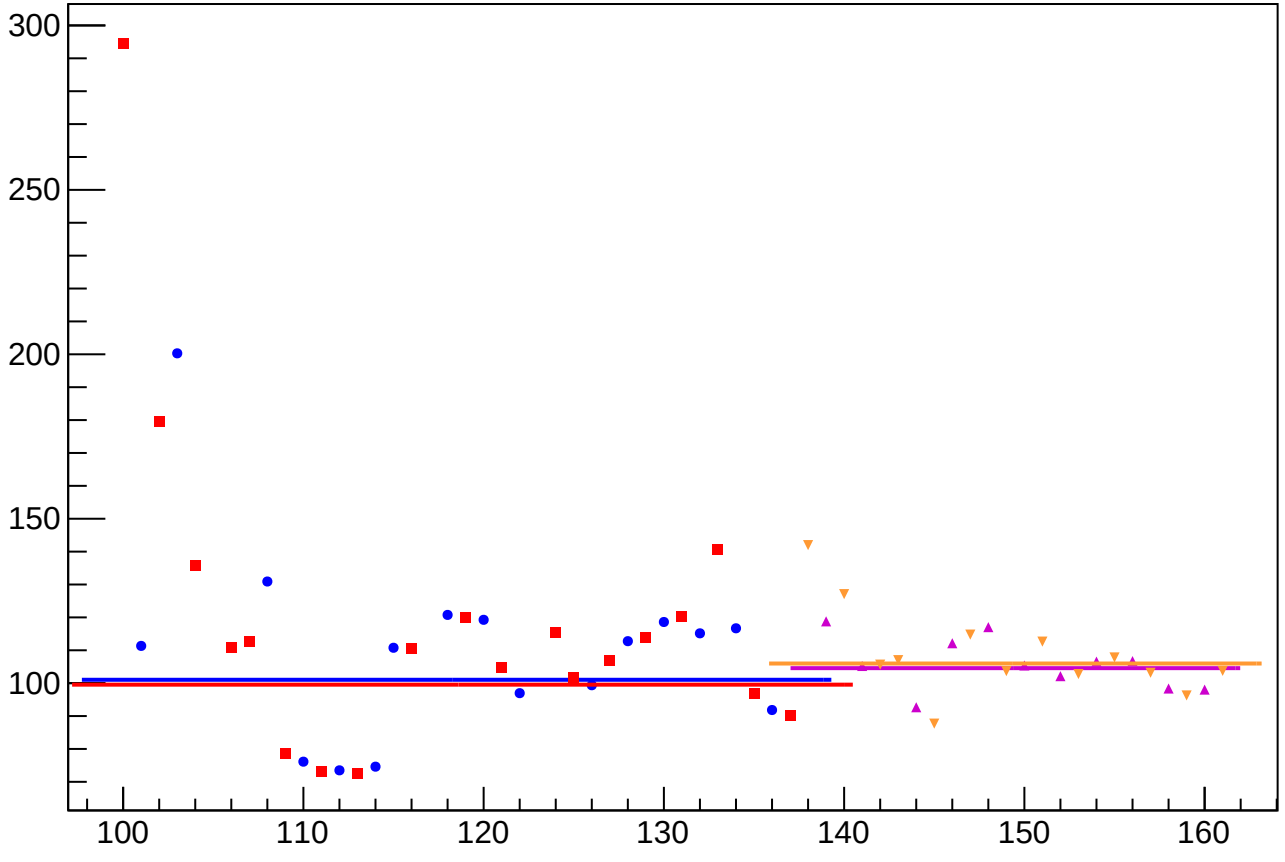
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 10.602+/-25.716 χ^2/NDF:31.4/26

Out: 35.839+/-25.138 χ^2/NDF:35.6/31

All: 23.508+/-17.976 χ^2/NDF: 67.5/58

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.974+/-0.024 χ^2/NDF:246304.7/12

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.565+/-0.024 χ^2/NDF:95415.7/10

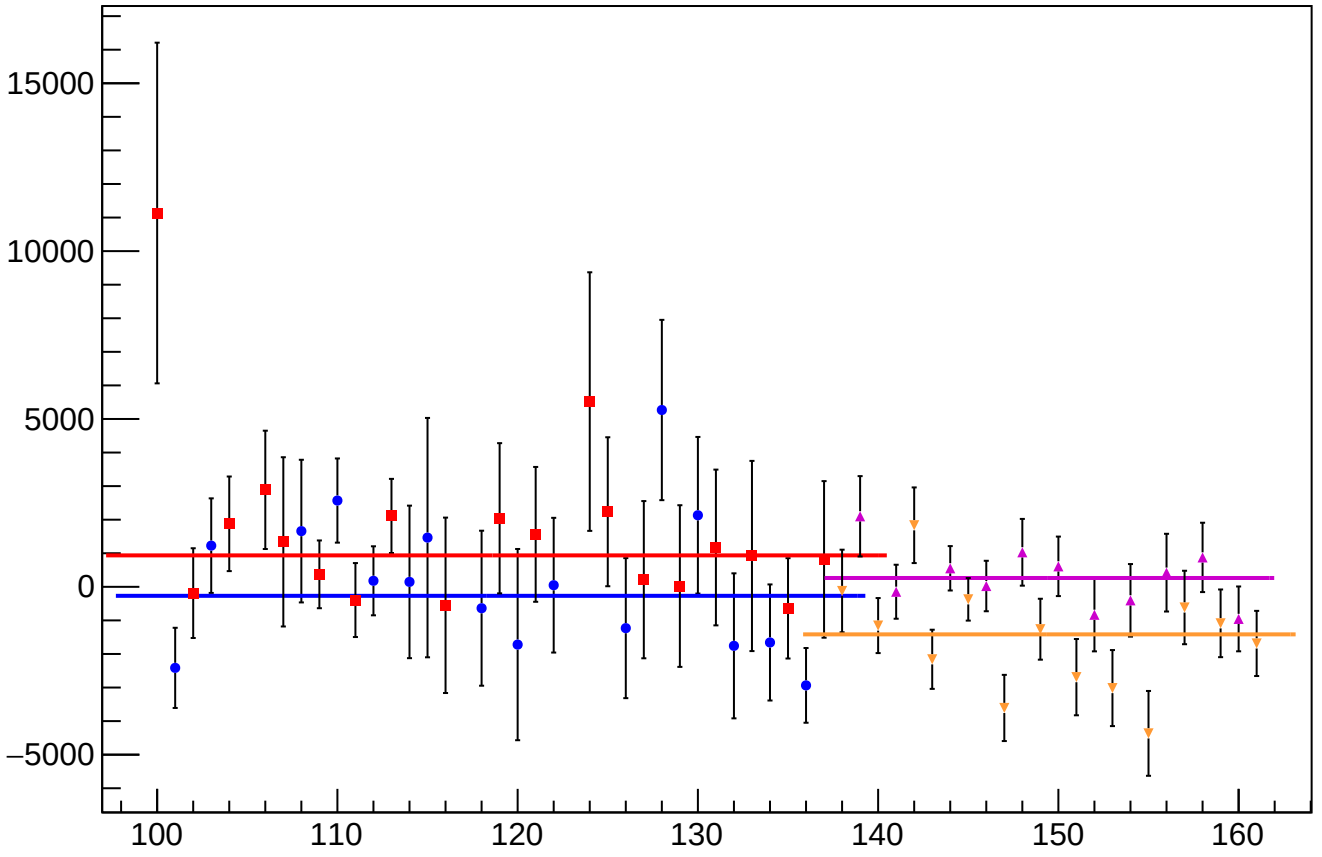
Left: 105.286+/-0.017 χ^2/NDF: 343456.5/23

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.028+/-0.018 χ^2/NDF:820792.0/26

Out: 103.186+/-0.018 χ^2/NDF:1158909.0/31

All: 103.108+/-0.013 χ^2/NDF: 1979739.6/58



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1416.002+/-267.081 χ^2/NDF:27.3/12

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 263.237+/-276.911 χ^2/NDF:7.0/10

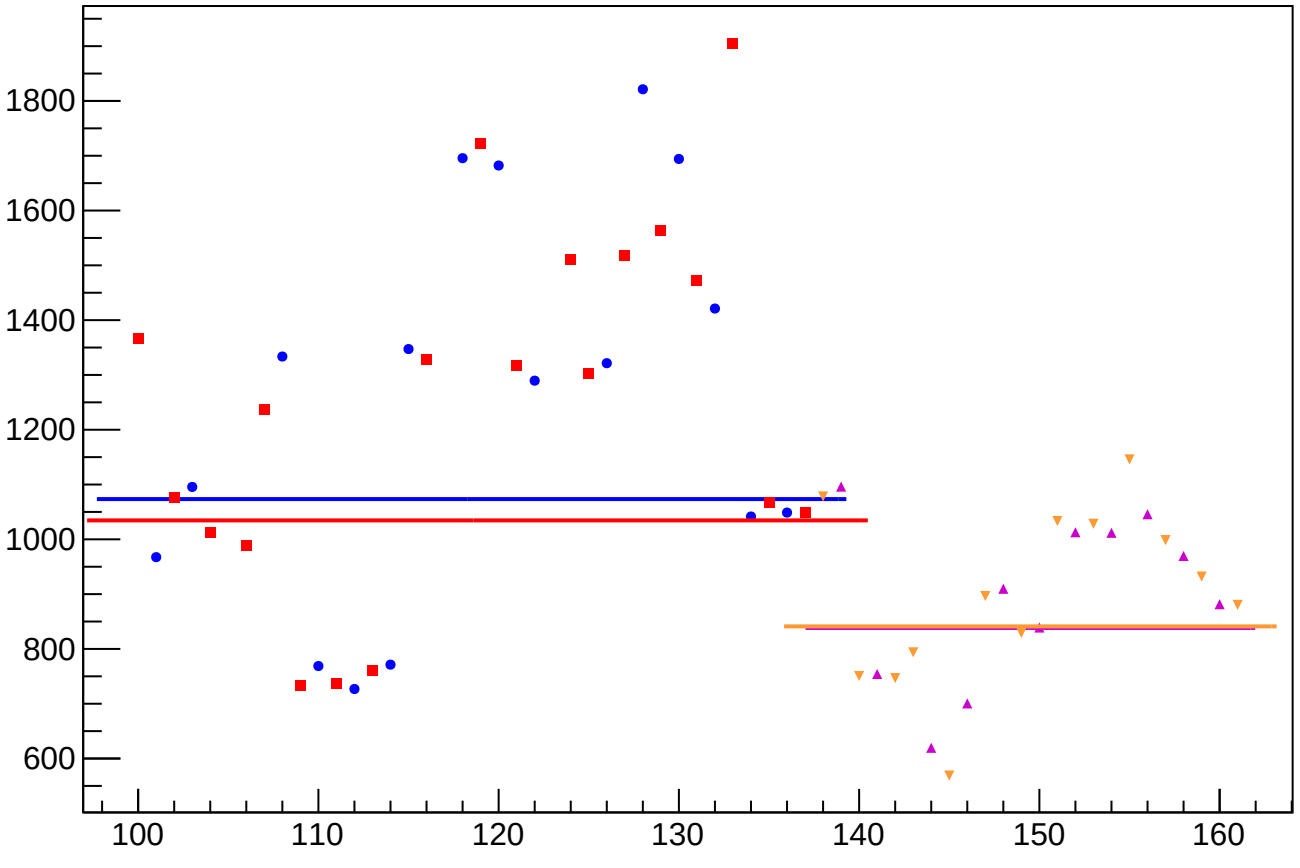
Left: -606.717+/-192.236 χ^2/NDF: 53.4/23

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 100.734+/-230.692 χ^2/NDF:31.6/26

Out: -680.999+/-221.468 χ^2/NDF:64.7/31

All: -306.074+/-159.763 χ^2/NDF: 102.3/58



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 841.127+/-0.189 χ^2/NDF:783350.2/12

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 838.273+/-0.196 χ^2/NDF:614690.6/10

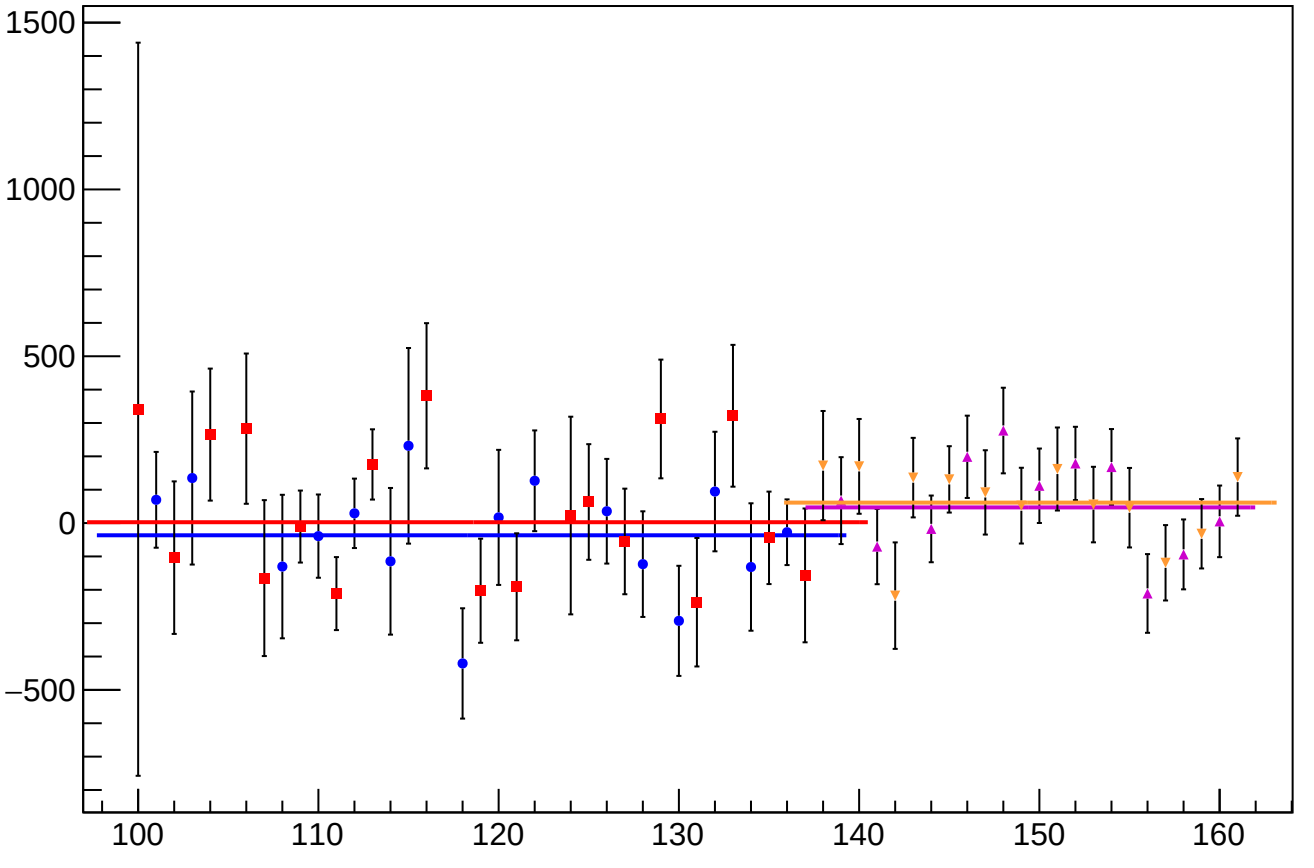
Left: 839.751+/-0.136 χ^2/NDF: 1398150.9/23

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 910.230+/-0.163 χ^2/NDF:2133139.1/26

Out: 901.548+/-0.157 χ^2/NDF:2340342.8/31

All: 905.712+/-0.113 χ^2/NDF: 4474955.8/58



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 61.335+/-33.408 χ^2/NDF:9.5/12

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 46.936+/-34.213 χ^2/NDF:15.9/10

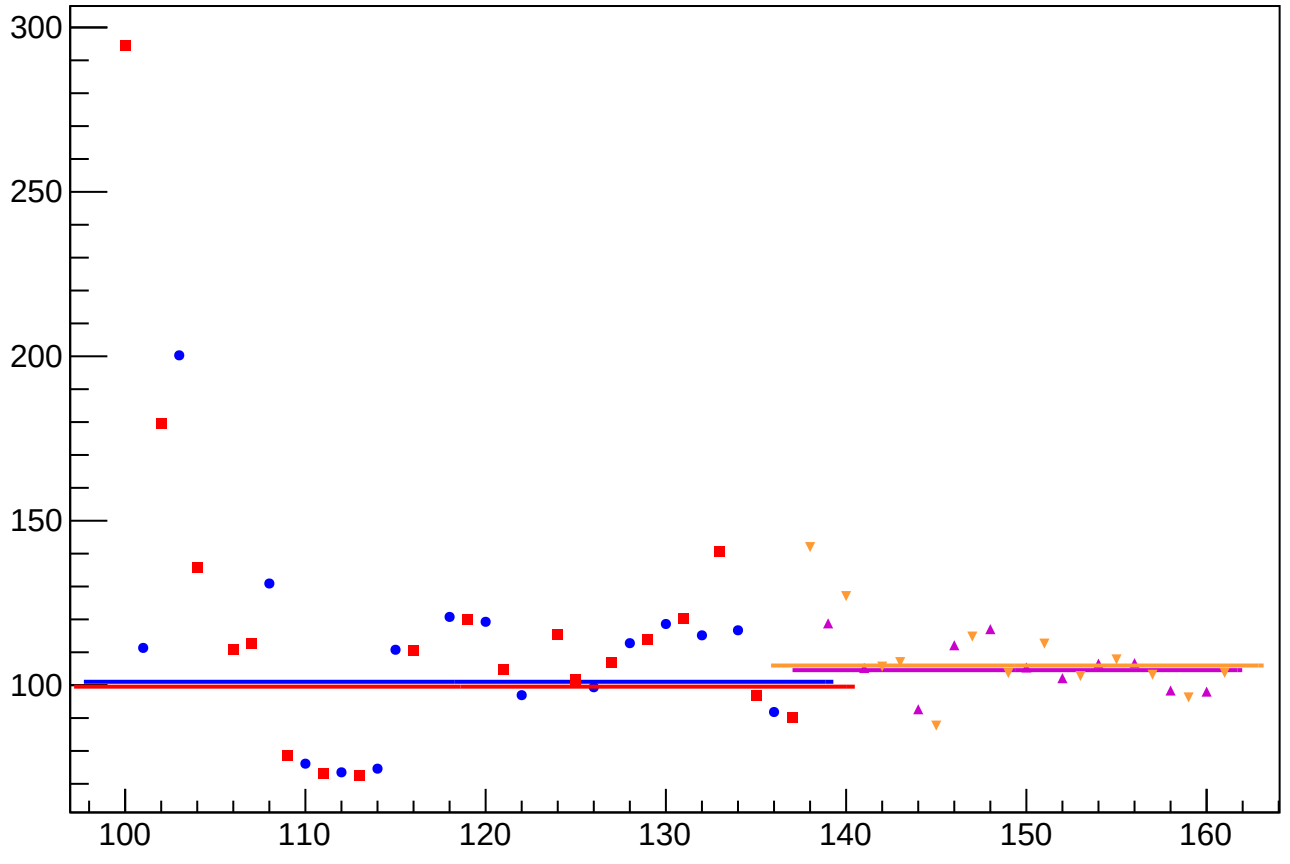
Left: 54.307+/-23.902 χ^2/NDF: 25.5/23

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 10.602+/-25.716 χ^2/NDF:31.4/26

Out: 35.839+/-25.138 χ^2/NDF:35.6/31

All: 23.508+/-17.976 χ^2/NDF: 67.5/58



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.974+/-0.024 χ^2/NDF:246299.7/12

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.565+/-0.024 χ^2/NDF:95414.9/10

Left: 105.286+/-0.017 χ^2/NDF: 343450.9/23

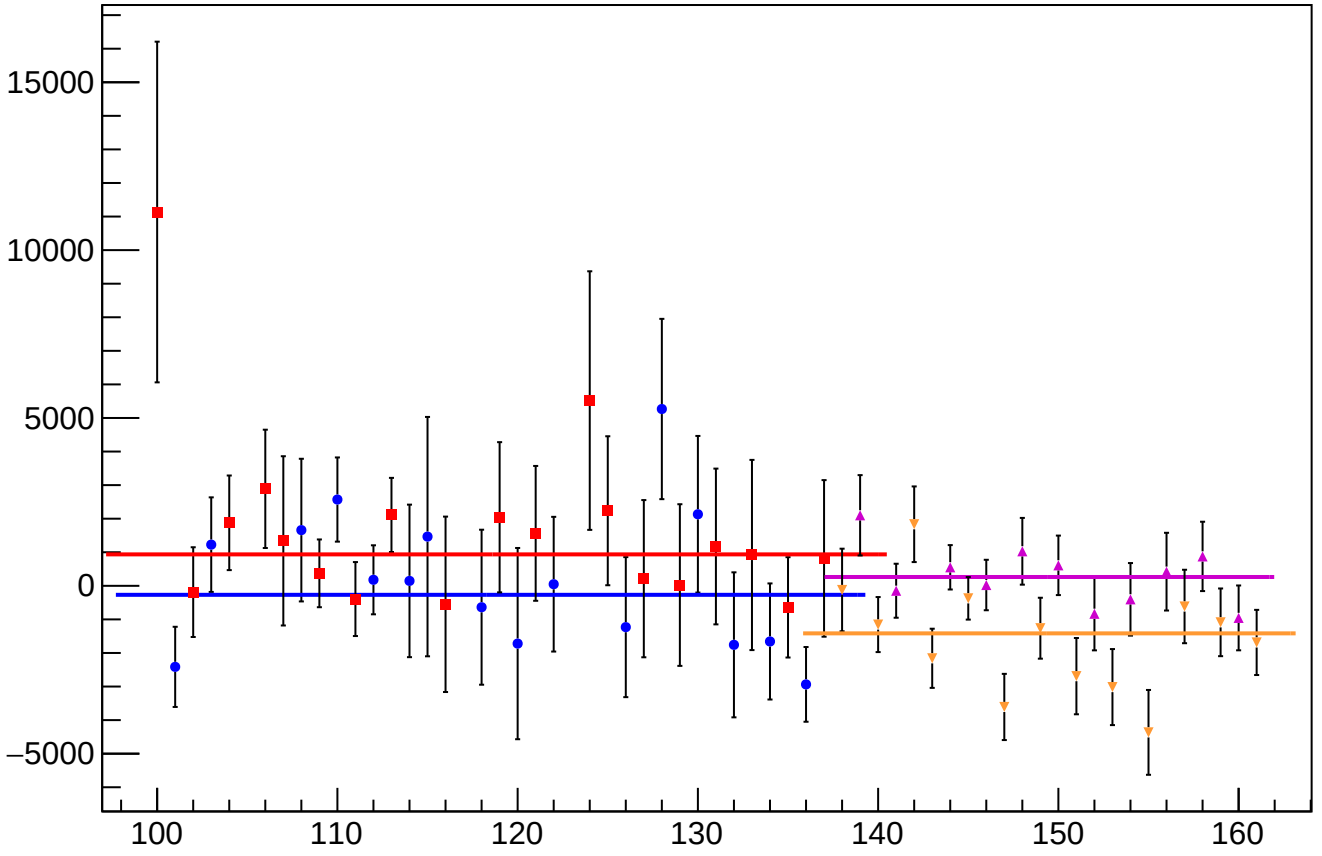
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.028+/-0.018 χ^2/NDF:820791.0/26

Out: 103.186+/-0.018 χ^2/NDF:1158909.0/31

All: 103.109+/-0.013 χ^2/NDF: 1979738.6/58

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: -1416.000+/-267.081 χ^2/NDF:27.3/12

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 263.236+/-276.911 χ^2/NDF:7.0/10

Left: -606.717+/-192.236 χ^2/NDF: 53.4/23

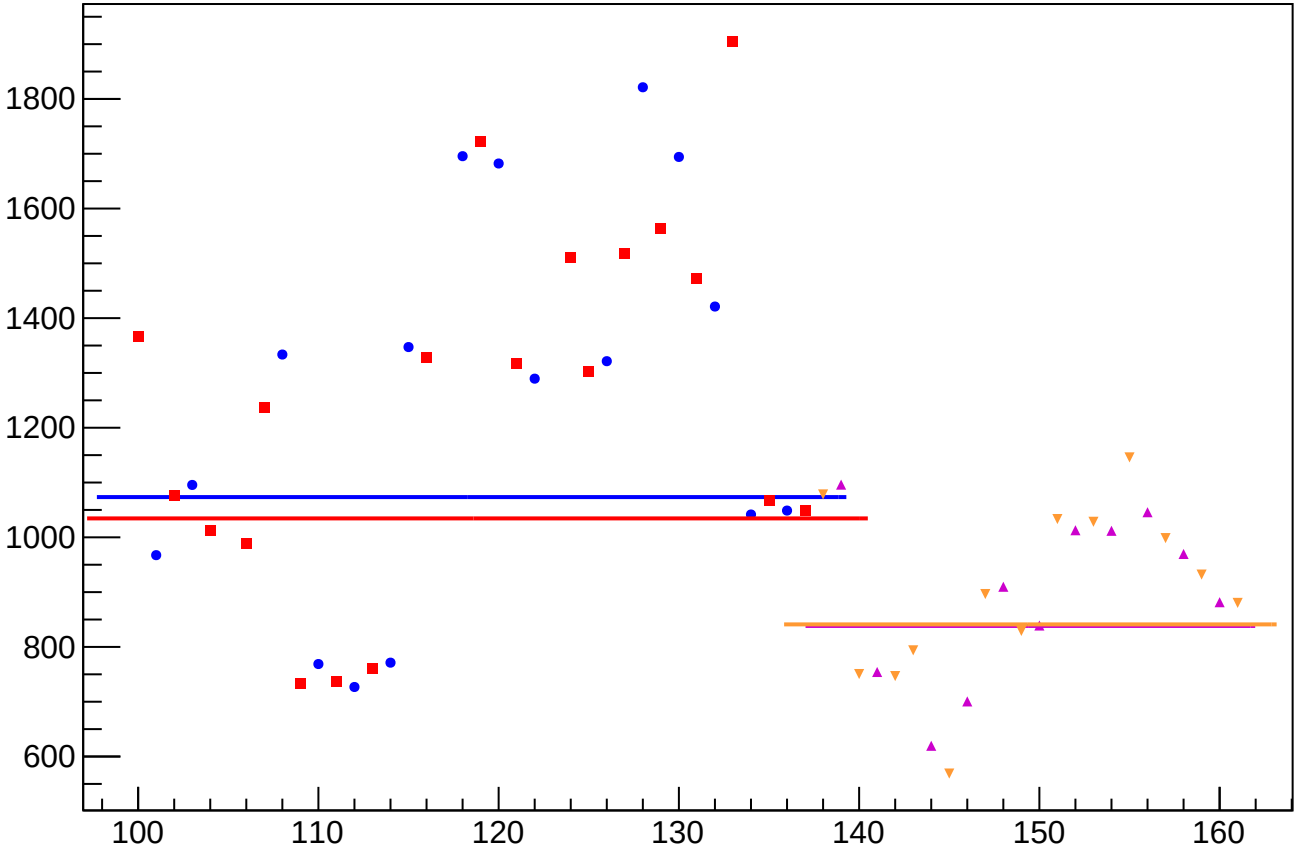
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 100.734+/-230.692 χ^2/NDF:31.6/26

Out: -680.999+/-221.467 χ^2/NDF:64.7/31

All: -306.074+/-159.763 χ^2/NDF: 102.3/58

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: 841.126+/-0.189 χ^2/NDF:783353.1/12

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 838.272+/-0.196 χ^2/NDF:614689.3/10

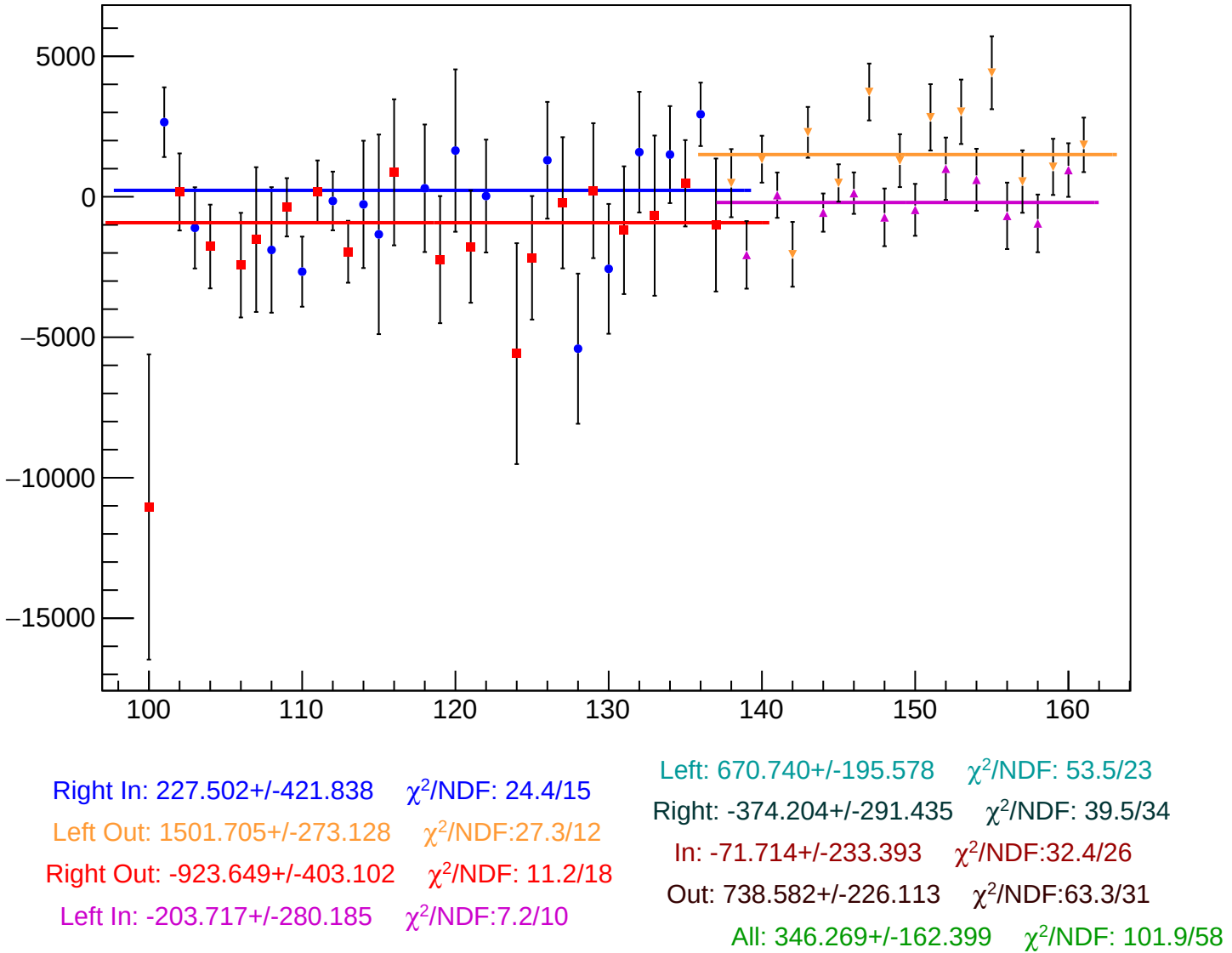
Left: 839.750+/-0.136 χ^2/NDF: 1398152.4/23

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

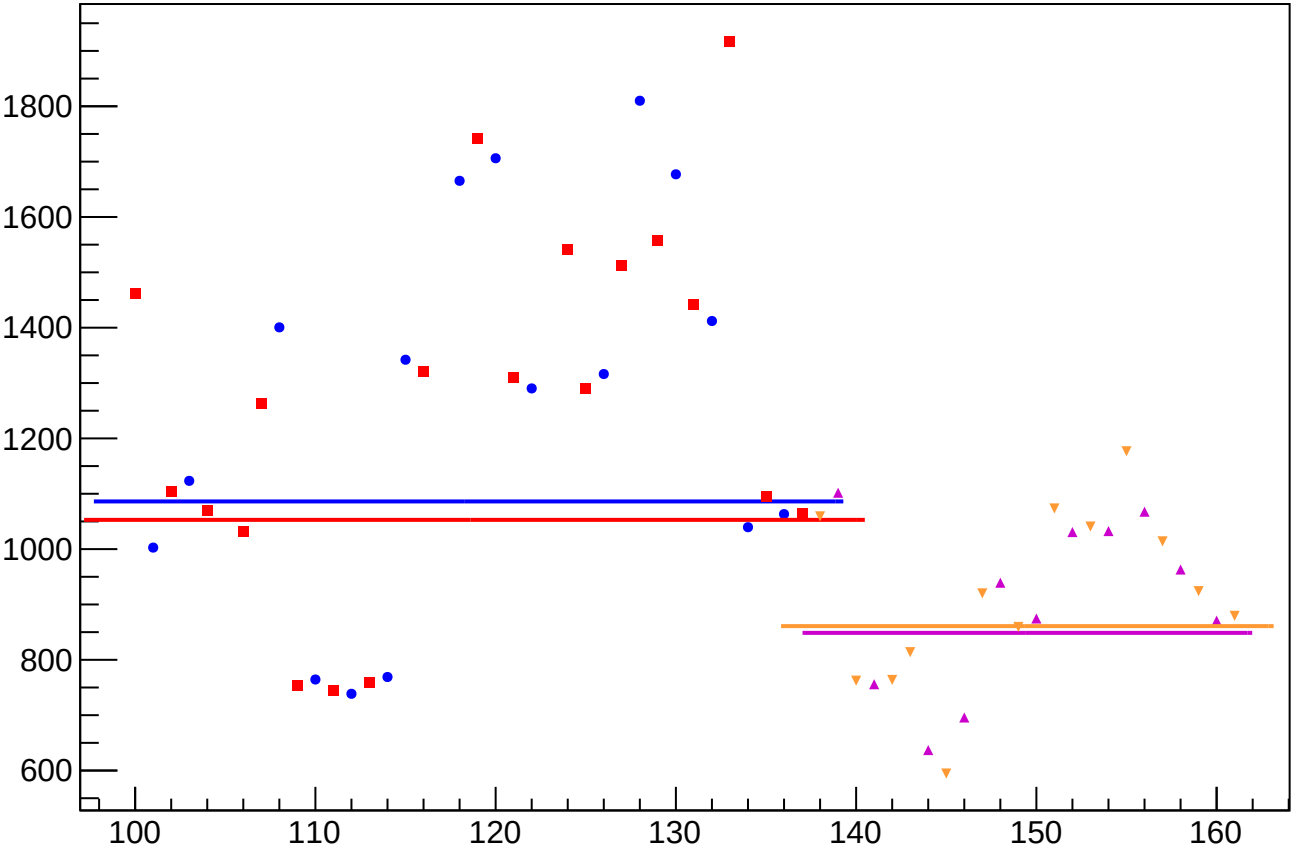
In: 910.228+/-0.163 χ^2/NDF:2133141.2/26

Out: 901.547+/-0.157 χ^2/NDF:2340348.0/31

All: 905.711+/-0.113 χ^2/NDF: 4474963.2/58


asym_sam_3748_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 227.502+/-421.838 χ²/NDF: 24.4/15
Left Out: 1501.705+/-273.128 χ²/NDF:27.3/12
Right Out: -923.649+/-403.102 χ²/NDF: 11.2/18
Left In: -203.717+/-280.185 χ²/NDF:7.2/10
Left: 670.740+/-195.578 χ²/NDF: 53.5/23
Right: -374.204+/-291.435 χ²/NDF: 39.5/34
In: -71.714+/-233.393 χ²/NDF:32.4/26
Out: 738.582+/-226.113 χ²/NDF:63.3/31
All: 346.269+/-162.399 χ²/NDF: 101.9/58

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 860.896+/-0.193 χ^2/NDF:707967.9/12

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 848.710+/-0.198 χ^2/NDF:615563.0/10

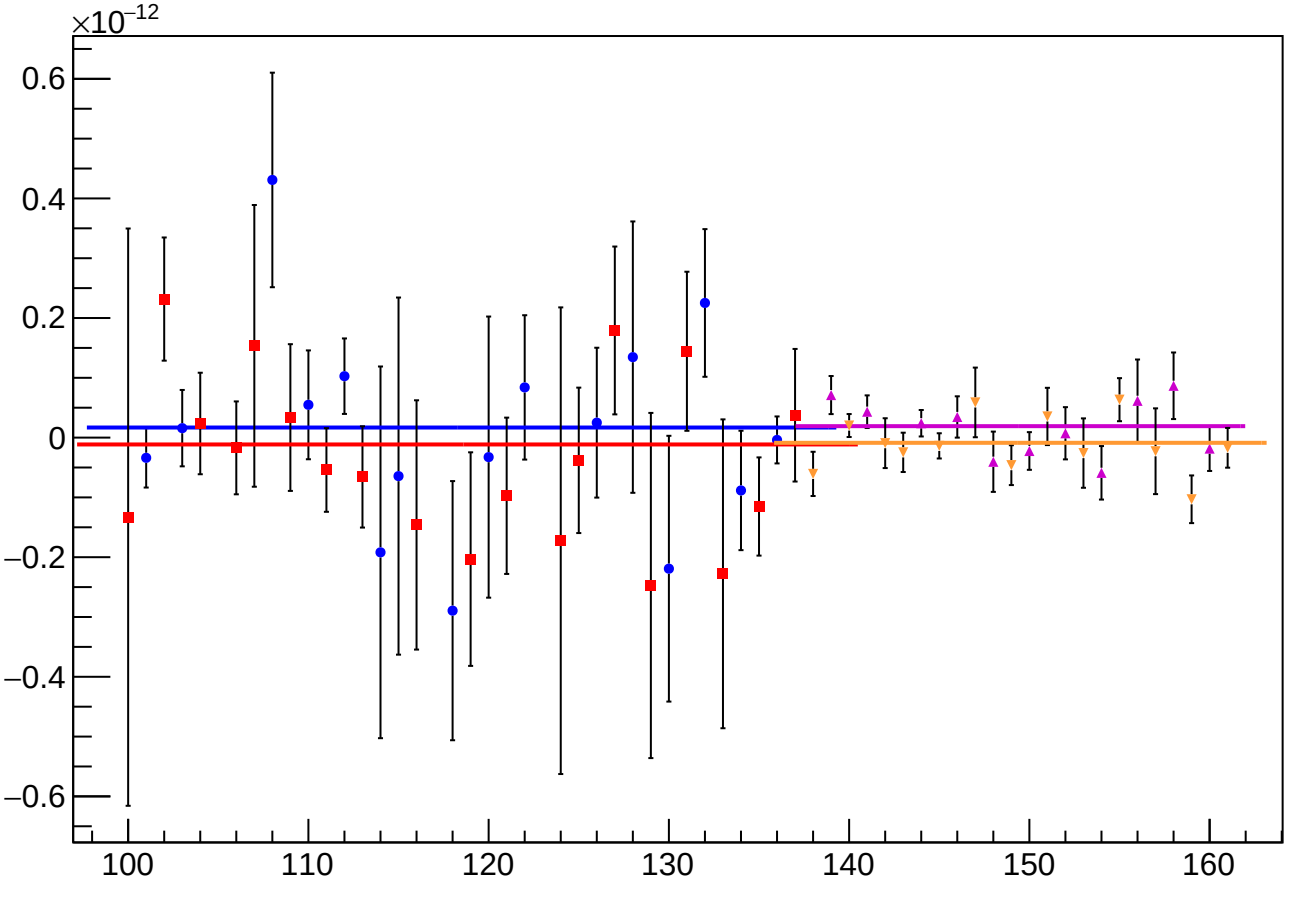
Left: 854.958+/-0.138 χ^2/NDF: 1325470.7/23

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 921.390+/-0.165 χ^2/NDF:2102674.0/26

Out: 921.287+/-0.160 χ^2/NDF:2213148.4/31

All: 921.337+/-0.115 χ^2/NDF: 4315822.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/10

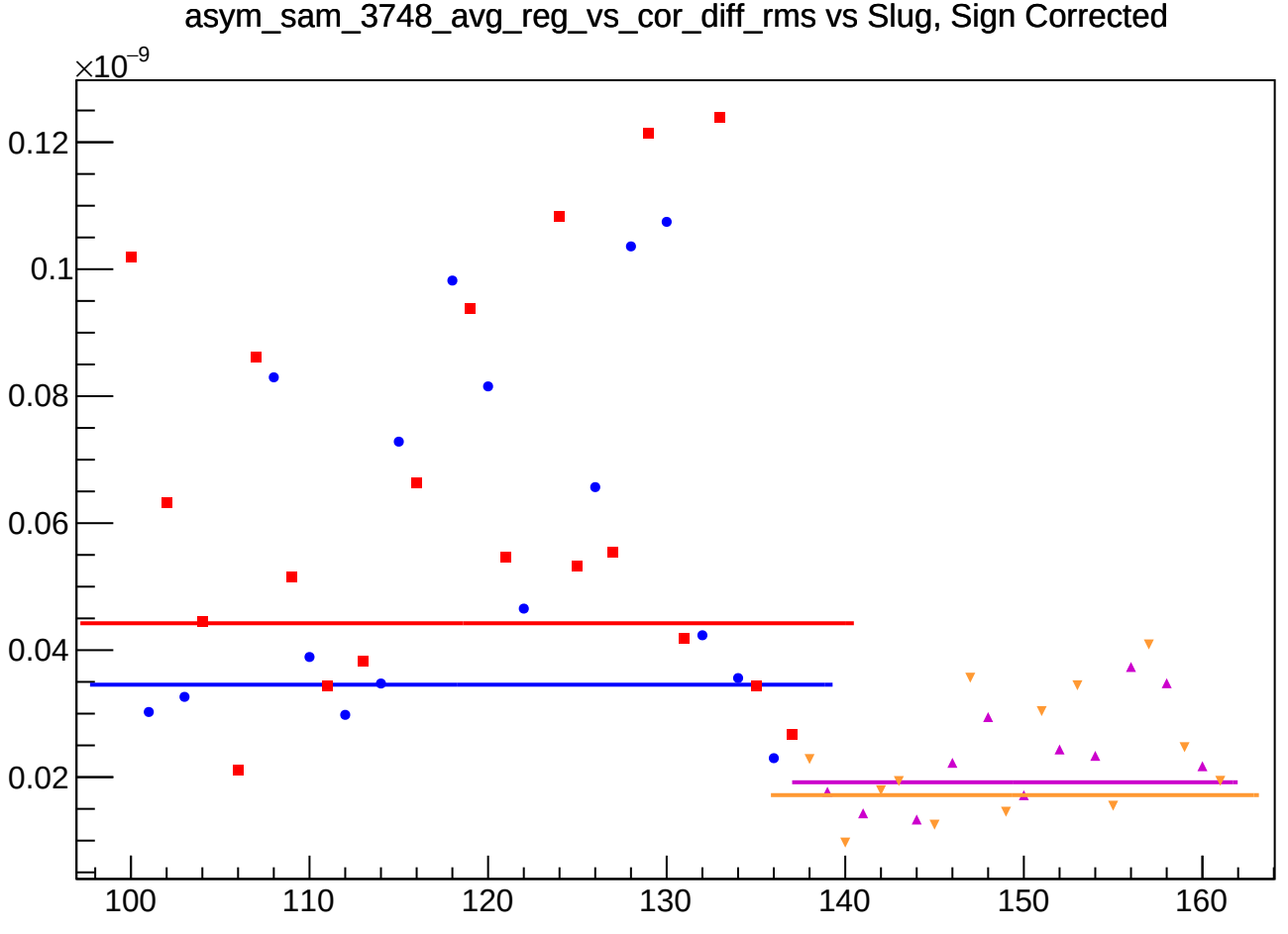
Left: 0.000+/-0.000 χ^2/NDF: 34.5/23

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:29.7/26

Out: -0.000+/-0.000 χ^2/NDF:33.6/31

All: 0.000+/-0.000 χ^2/NDF: 67.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1305848.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:665836.7/10

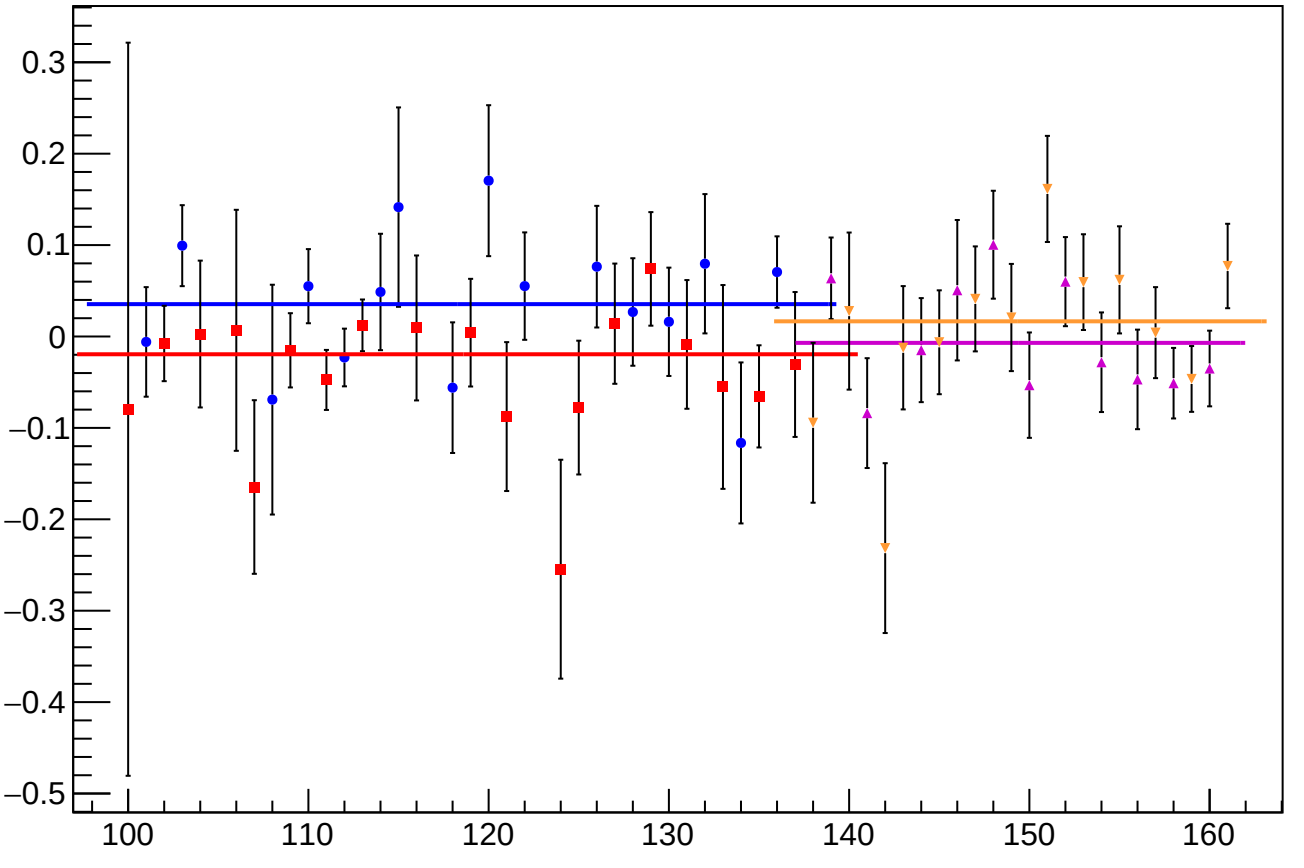
Left: 0.000+/-0.000 χ^2/NDF: 2012917.8/23

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2656769.1/26

Out: 0.000+/-0.000 χ^2/NDF:4189293.2/31

All: 0.000+/-0.000 χ^2/NDF: 6897812.1/58



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.016 χ^2/NDF:21.6/12

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.007+/-0.015 χ^2/NDF:13.0/10

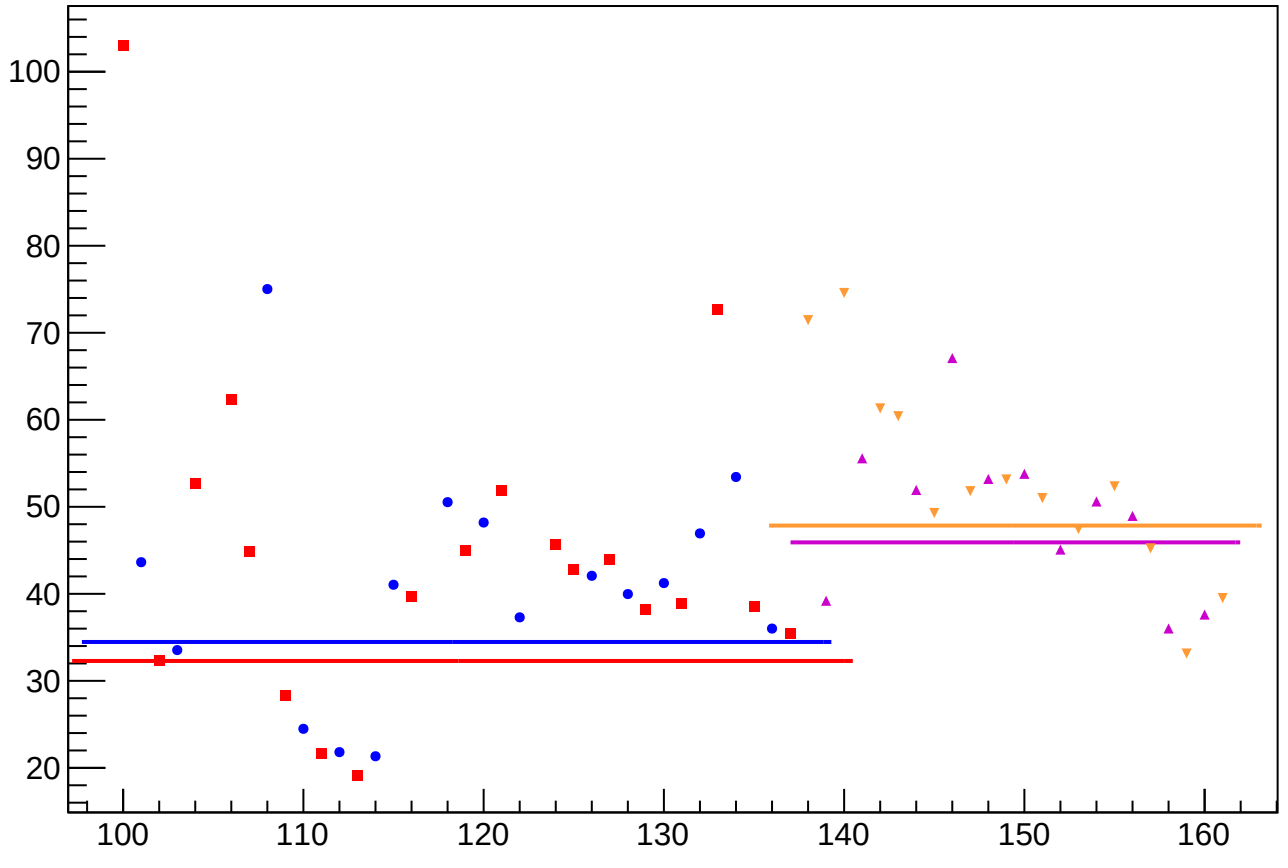
Left: 0.005+/-0.011 χ^2/NDF: 35.8/23

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.005+/-0.010 χ^2/NDF:38.1/31

All: 0.006+/-0.007 χ^2/NDF: 74.4/58



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.846+/-0.011 χ^2/NDF:900064.3/12

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.913+/-0.011 χ^2/NDF:572649.1/10

Left: 46.869+/-0.008 χ^2/NDF: 1488217.3/23

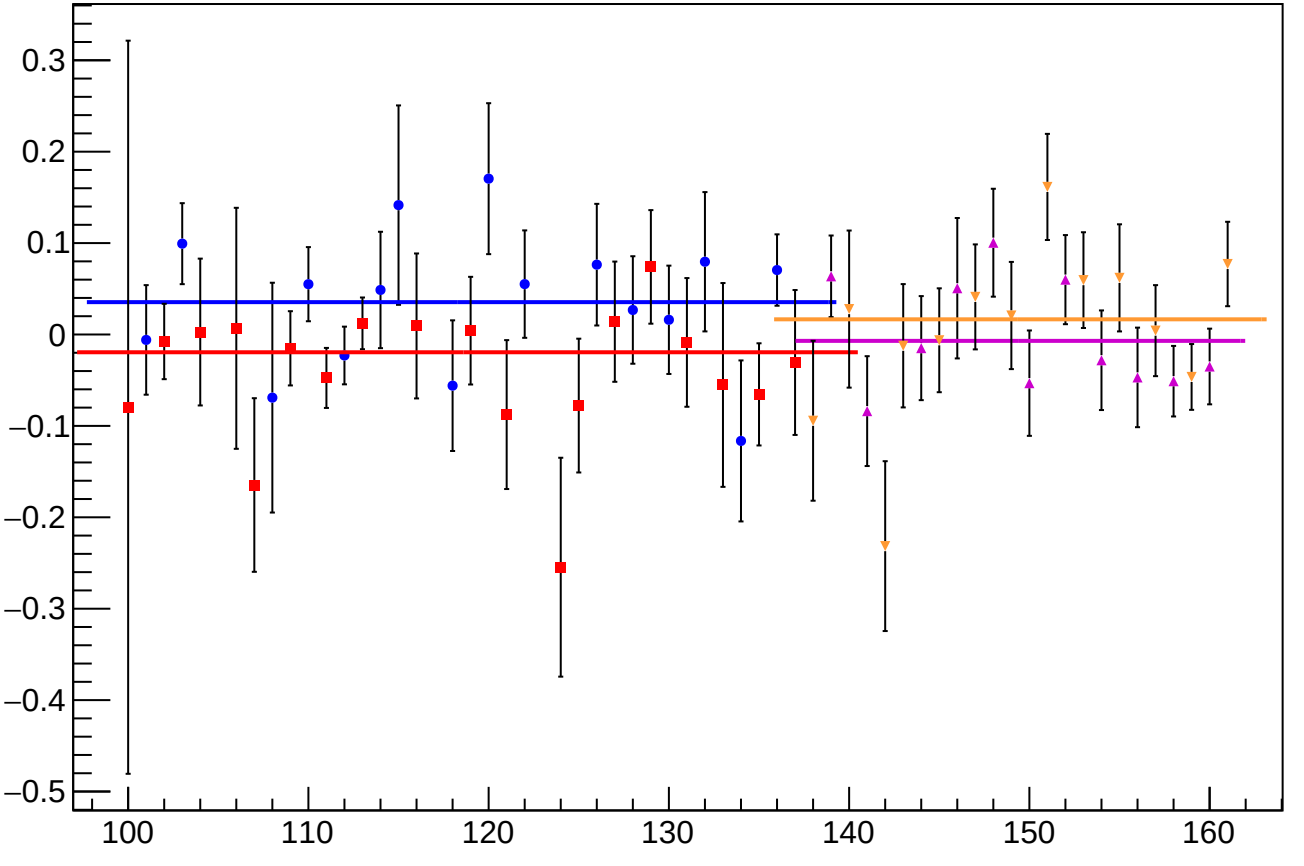
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.588+/-0.007 χ^2/NDF:2351161.5/26

Out: 38.727+/-0.007 χ^2/NDF:3736939.1/31

All: 39.145+/-0.005 χ^2/NDF: 6095239.7/58

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.016 χ^2/NDF:21.6/12

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.007+/-0.015 χ^2/NDF:13.0/10

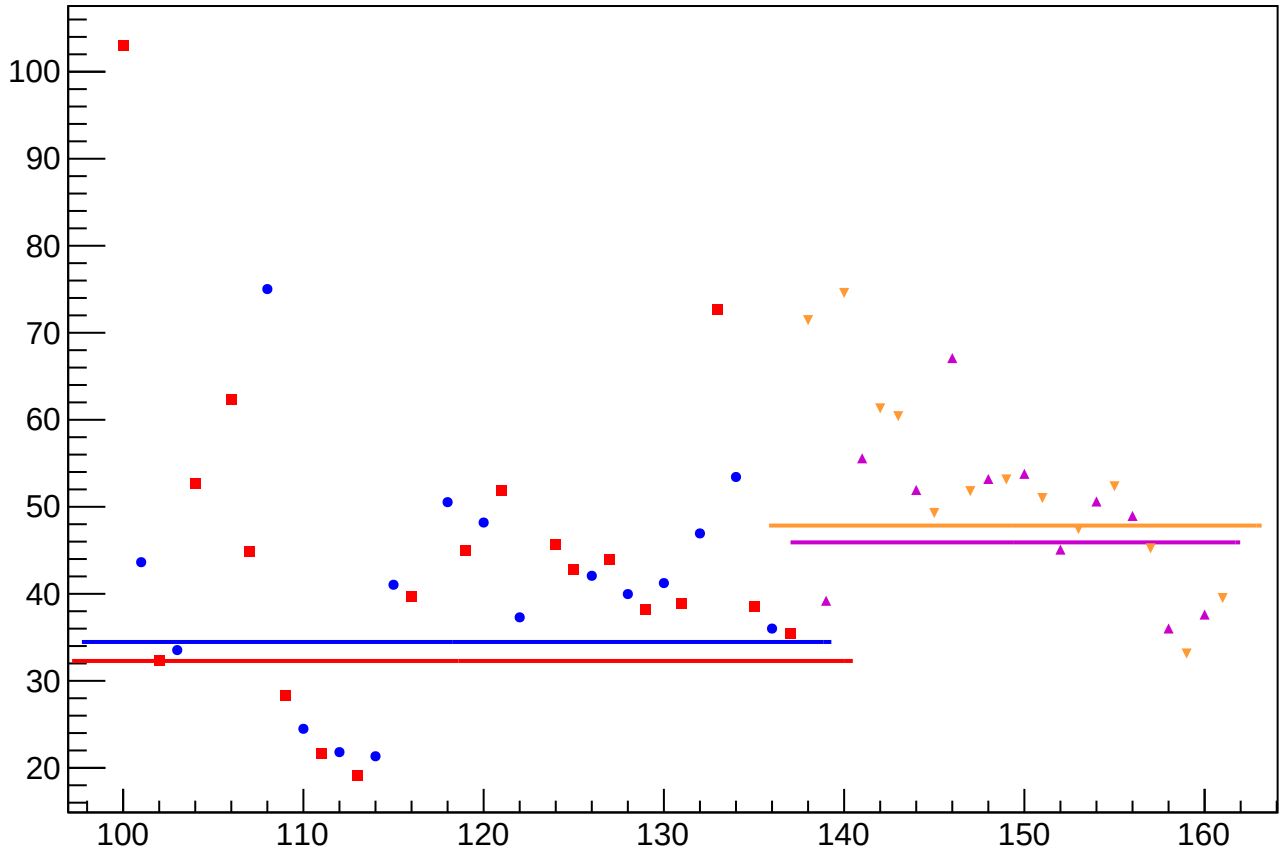
Left: 0.005+/-0.011 χ^2/NDF: 35.8/23

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.005+/-0.010 χ^2/NDF:38.1/31

All: 0.006+/-0.007 χ^2/NDF: 74.4/58



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.846+/-0.011 χ^2/NDF:900064.3/12

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.913+/-0.011 χ^2/NDF:572649.1/10

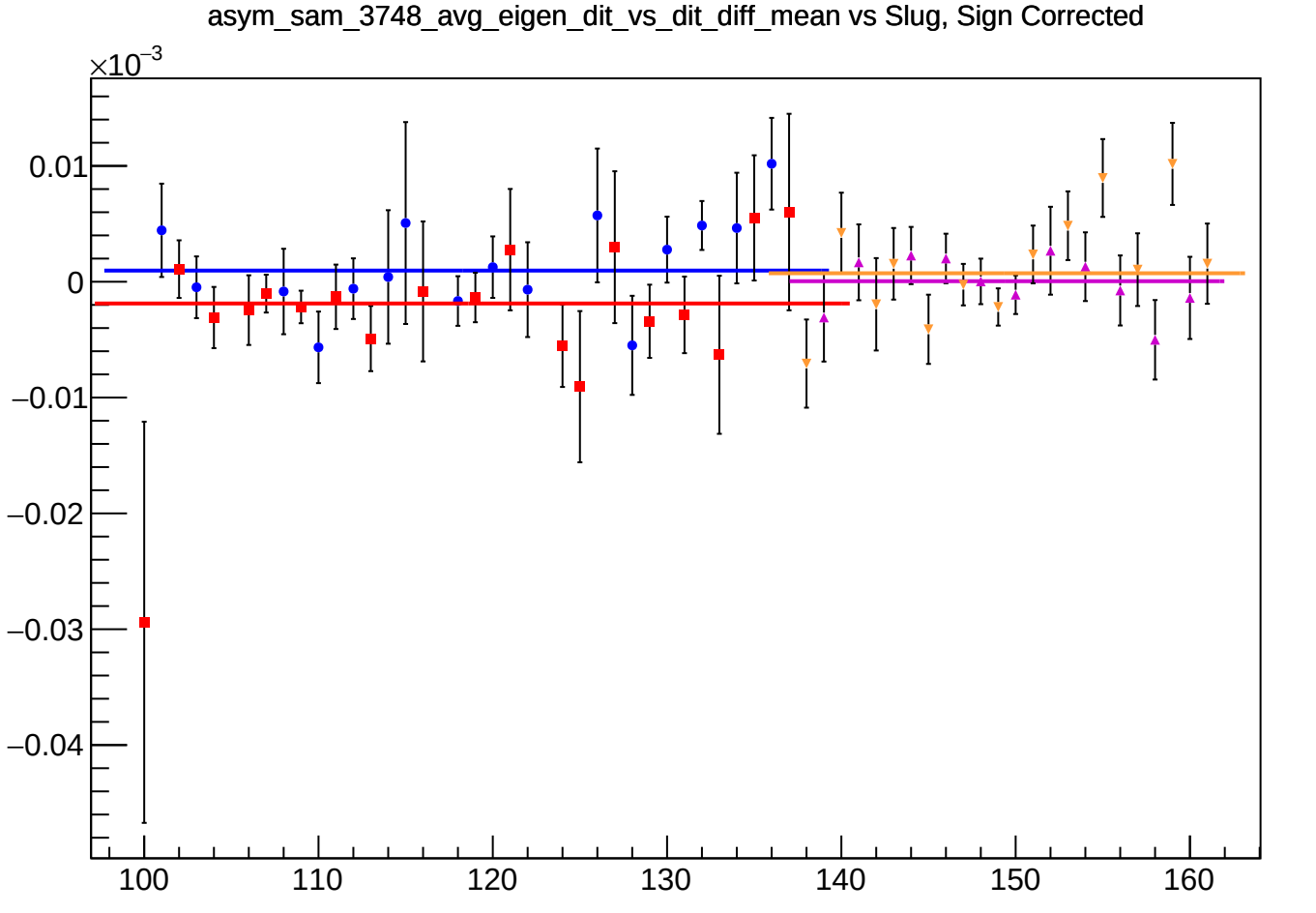
Left: 46.869+/-0.008 χ^2/NDF: 1488217.3/23

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.588+/-0.007 χ^2/NDF:2351161.5/26

Out: 38.727+/-0.007 χ^2/NDF:3736939.1/31

All: 39.145+/-0.005 χ^2/NDF: 6095239.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/10

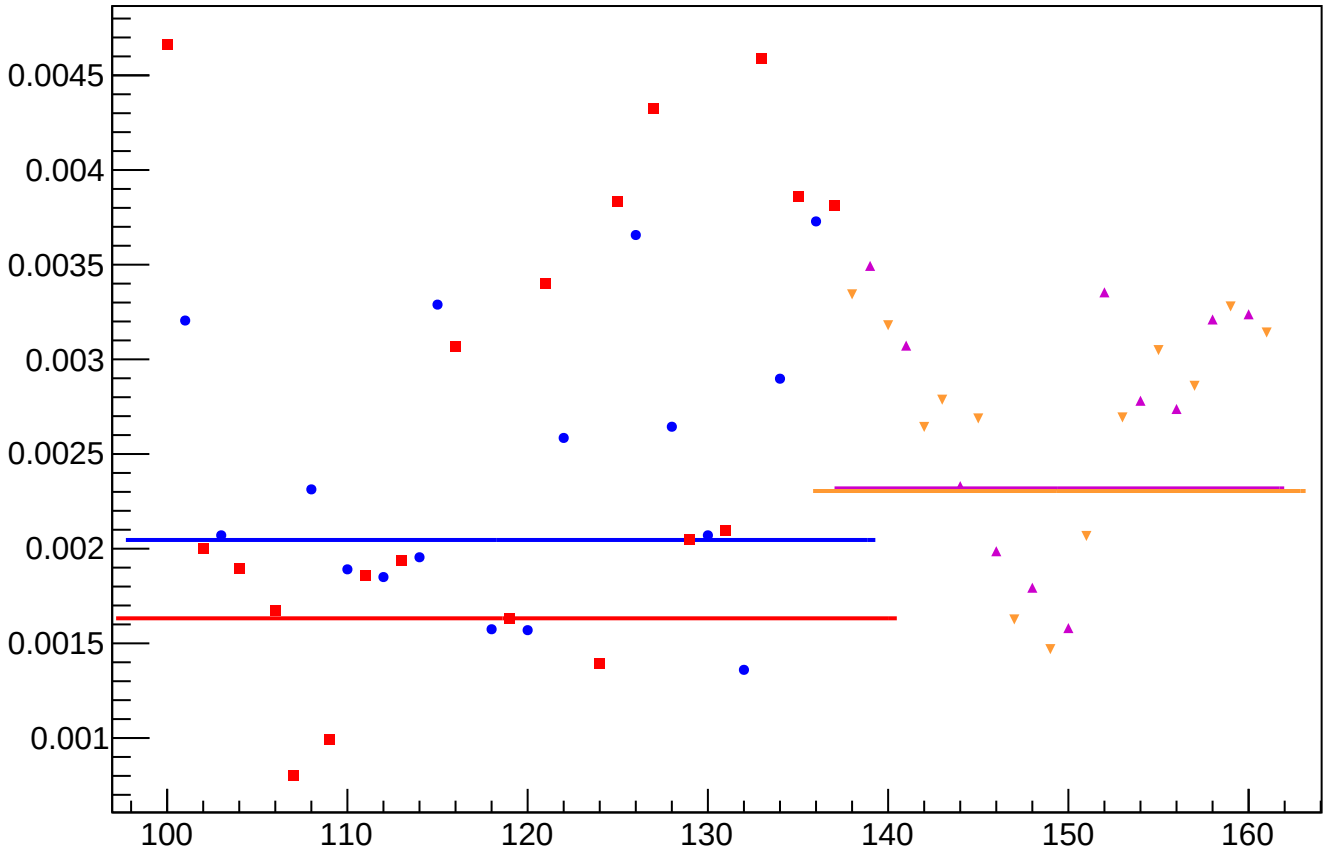
Left: 0.000+/-0.000 χ^2/NDF: 33.9/23

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.7/26

Out: -0.000+/-0.000 χ^2/NDF:47.0/31

All: -0.000+/-0.000 χ^2/NDF: 77.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1679487.2/12

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1382869.1/10

Left: 0.002+/-0.000 χ^2/NDF: 3062676.2/23

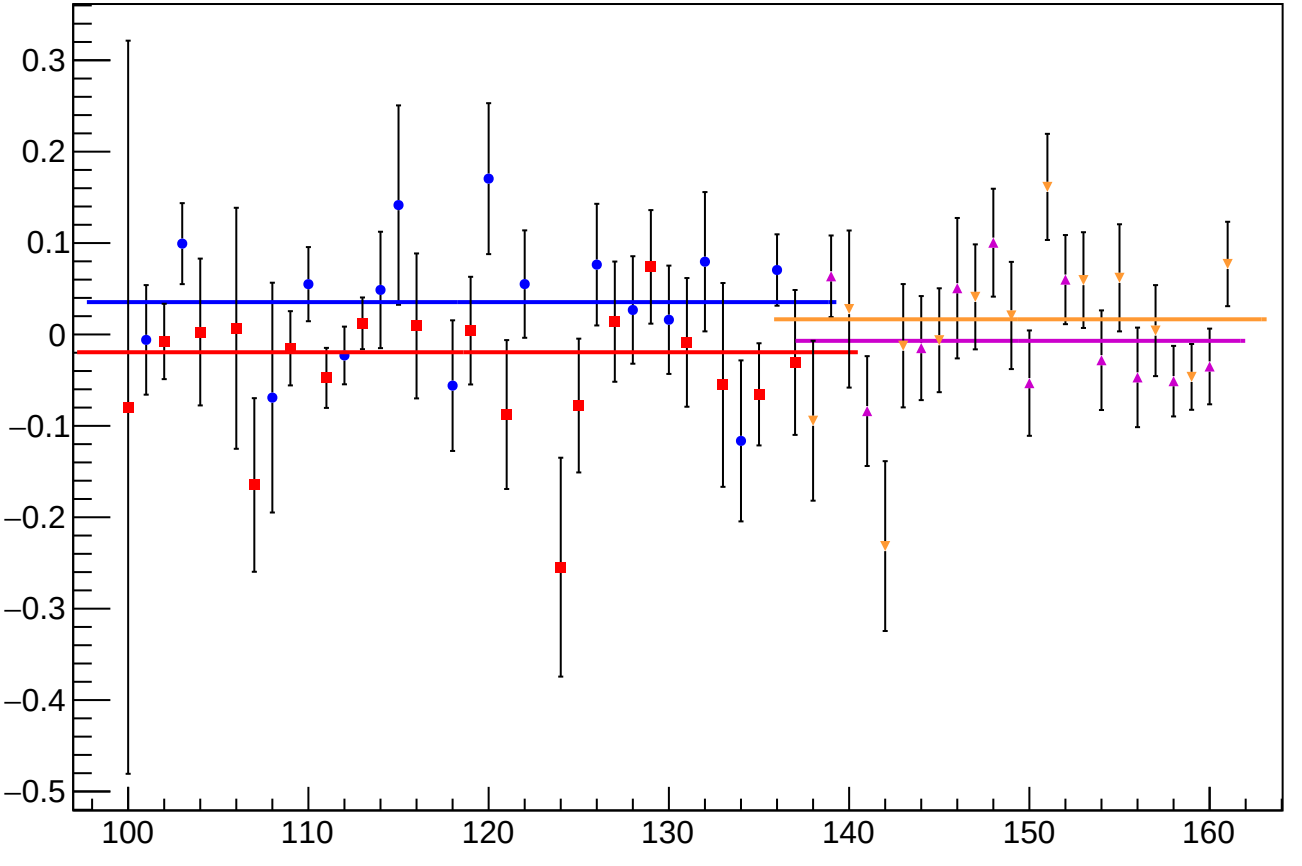
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2760087.8/26

Out: 0.002+/-0.000 χ^2/NDF:5496507.5/31

All: 0.002+/-0.000 χ^2/NDF: 8489128.4/58

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.016 χ^2/NDF:21.6/12

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.007+/-0.015 χ^2/NDF:13.0/10

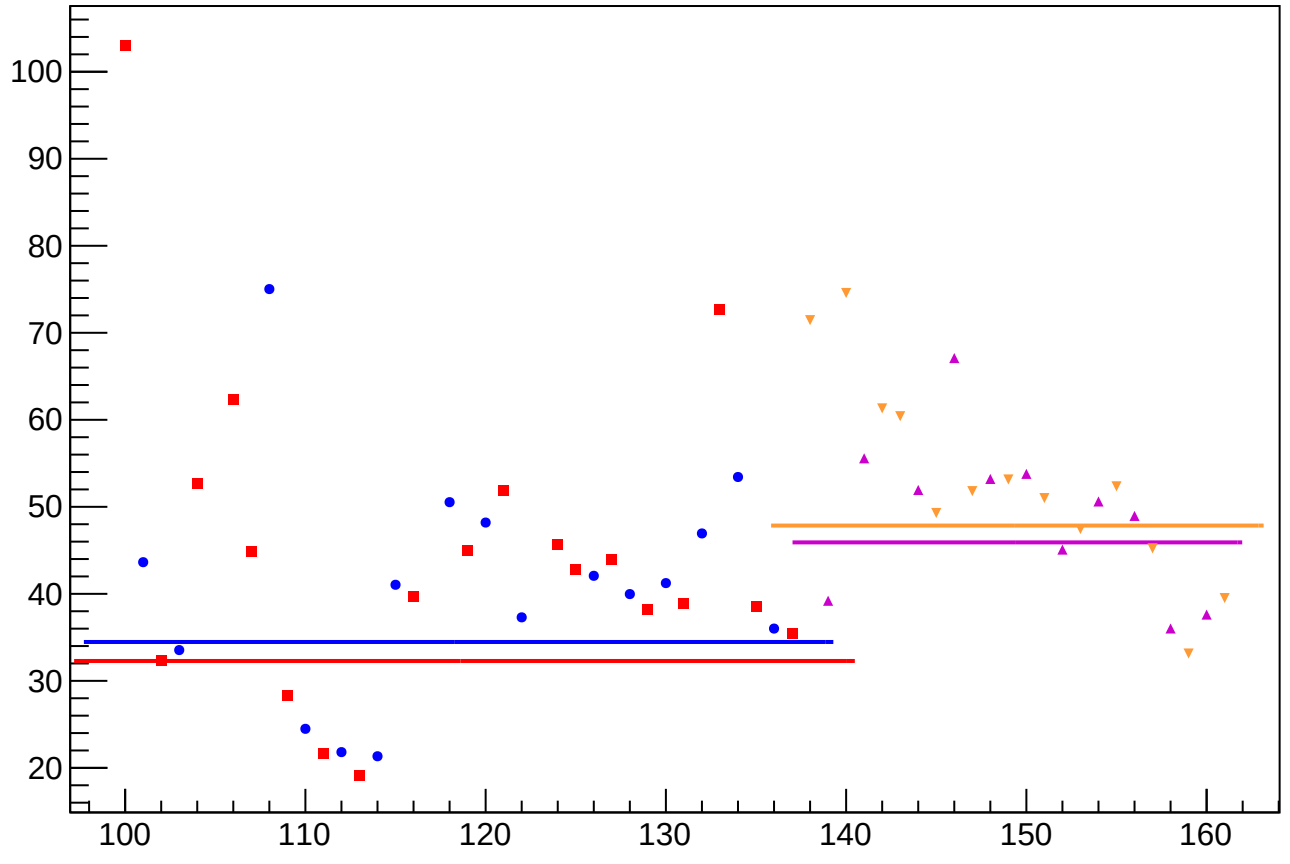
Left: 0.005+/-0.011 χ^2/NDF: 35.8/23

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.005+/-0.010 χ^2/NDF:38.1/31

All: 0.006+/-0.007 χ^2/NDF: 74.4/58



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.847+/-0.011 χ^2/NDF:900078.7/12

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.913+/-0.011 χ^2/NDF:572680.7/10

Left: 46.869+/-0.008 χ^2/NDF: 1488265.8/23

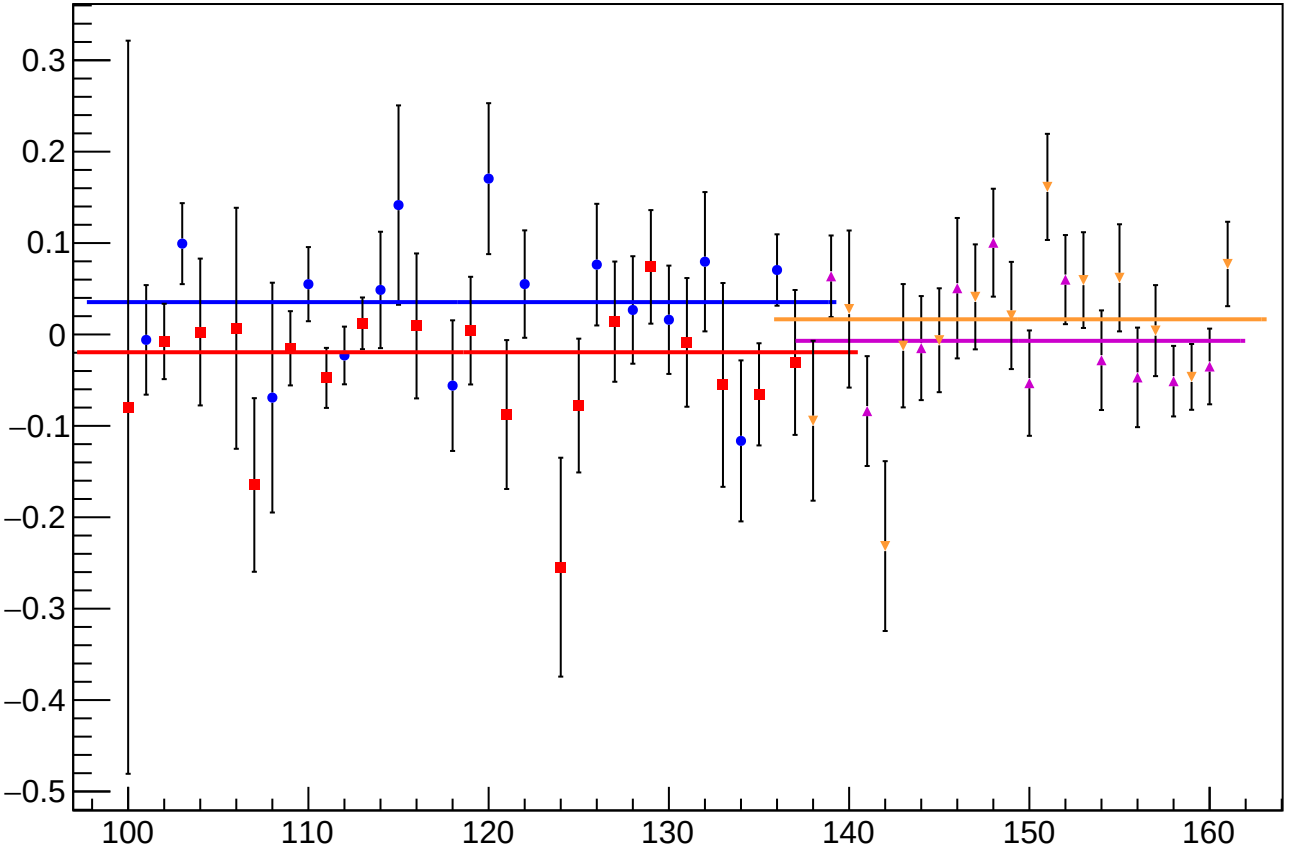
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.588+/-0.007 χ^2/NDF:2351153.4/26

Out: 38.727+/-0.007 χ^2/NDF:3736941.3/31

All: 39.146+/-0.005 χ^2/NDF: 6095232.5/58

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: 0.017+/-0.016 χ^2/NDF:21.6/12

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.007+/-0.015 χ^2/NDF:13.0/10

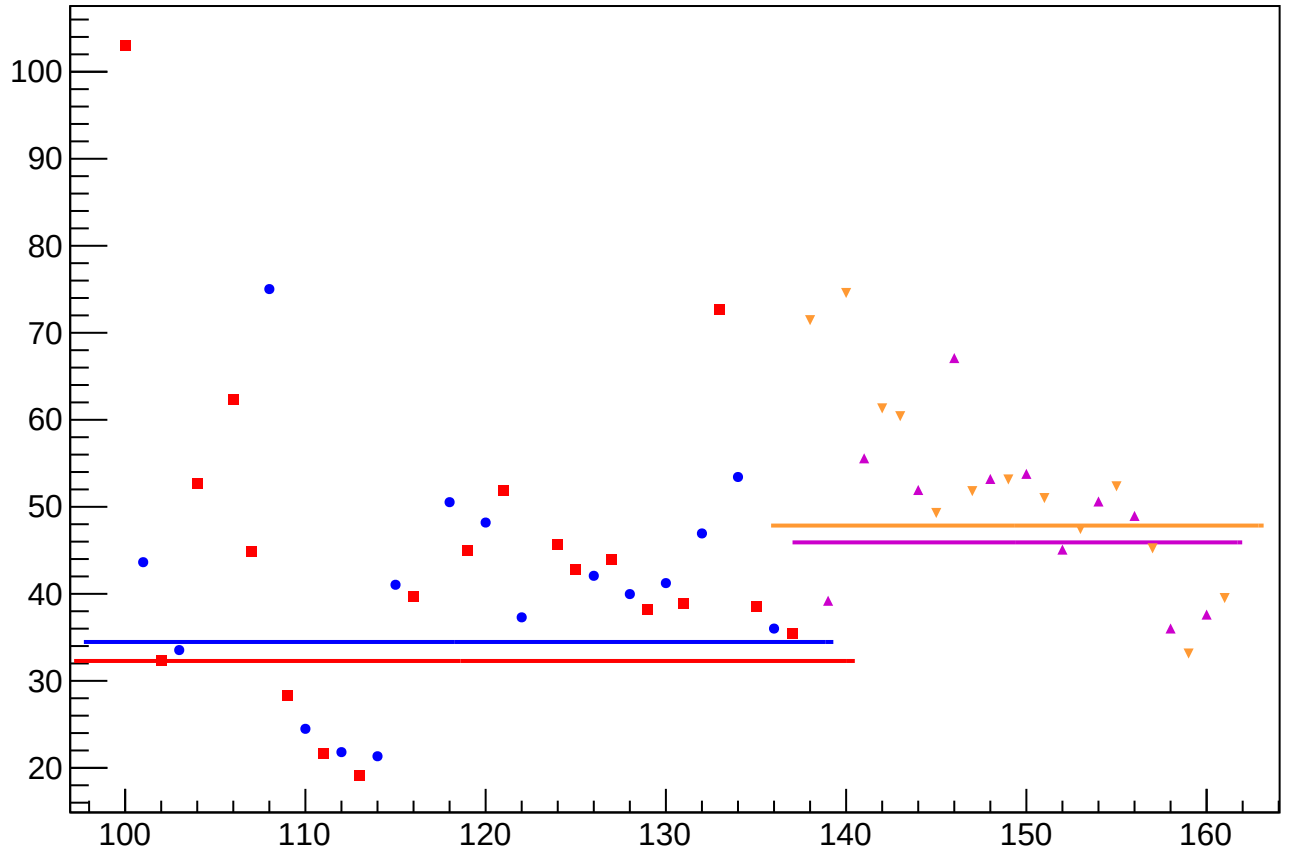
Left: 0.005+/-0.011 χ^2/NDF: 35.8/23

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.010 χ^2/NDF:34.1/26

Out: -0.005+/-0.010 χ^2/NDF:38.1/31

All: 0.006+/-0.007 χ^2/NDF: 74.4/58



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.847+/-0.011 χ^2/NDF:900078.7/12

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.913+/-0.011 χ^2/NDF:572680.7/10

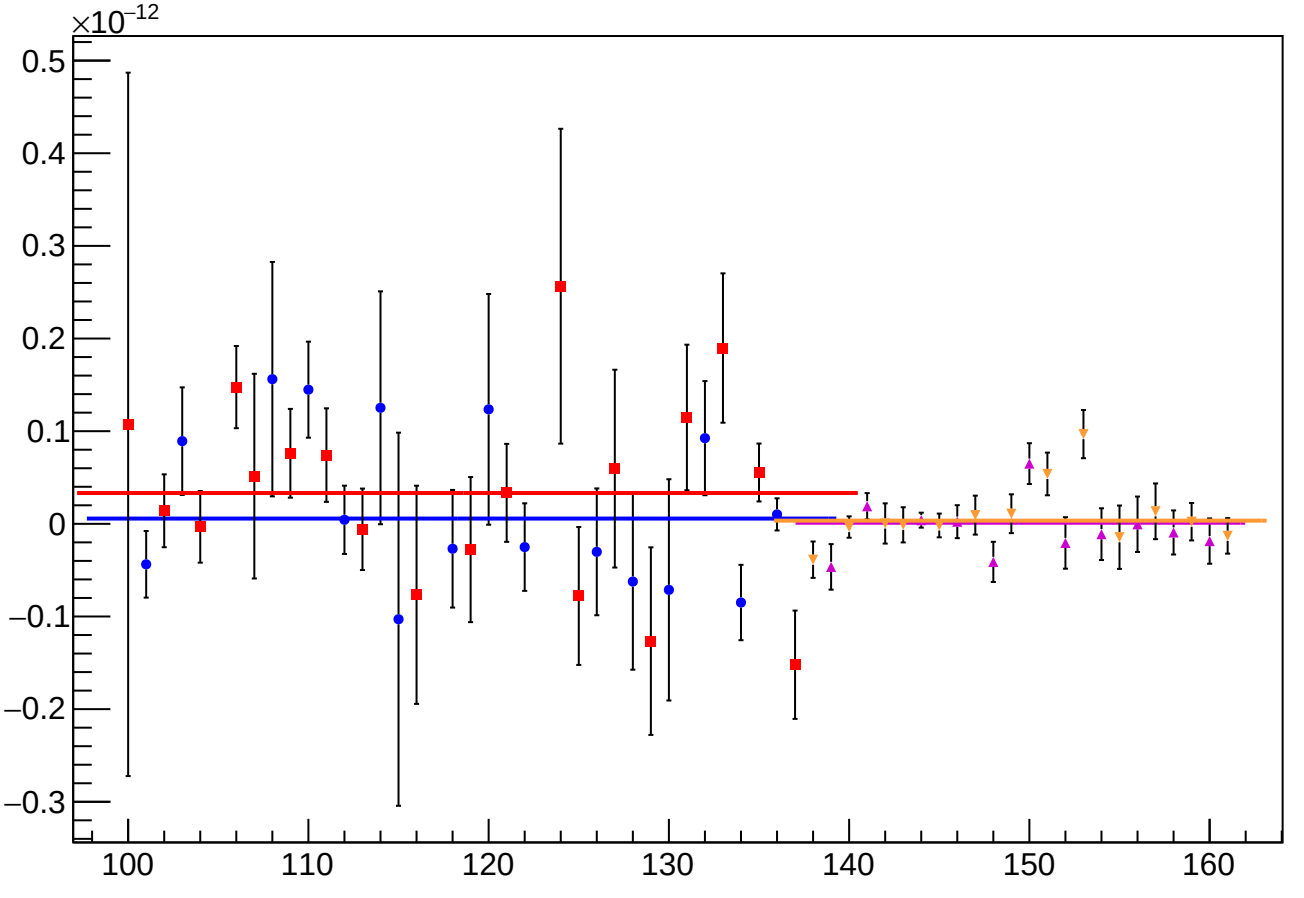
Left: 46.869+/-0.008 χ^2/NDF: 1488265.8/23

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.588+/-0.007 χ^2/NDF:2351153.4/26

Out: 38.727+/-0.007 χ^2/NDF:3736941.3/31

All: 39.146+/-0.005 χ^2/NDF: 6095232.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/10

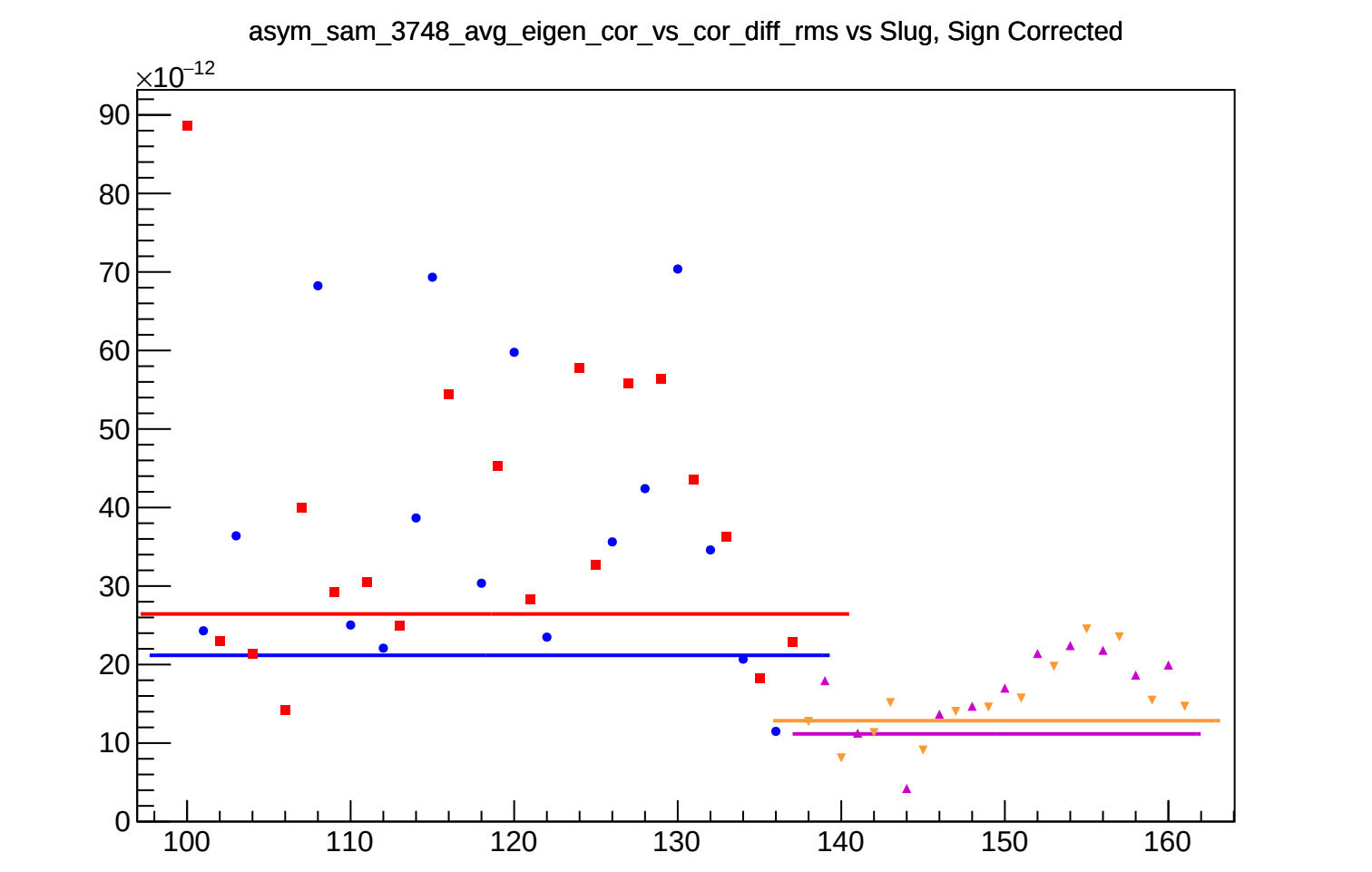
Left: 0.000+/-0.000 χ^2/NDF: 43.7/23

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:43.0/26

Out: 0.000+/-0.000 χ^2/NDF:62.2/31

All: 0.000+/-0.000 χ^2/NDF: 105.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1277184.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3175727.7/10

Left: 0.000+/-0.000 χ^2/NDF: 4555352.8/23

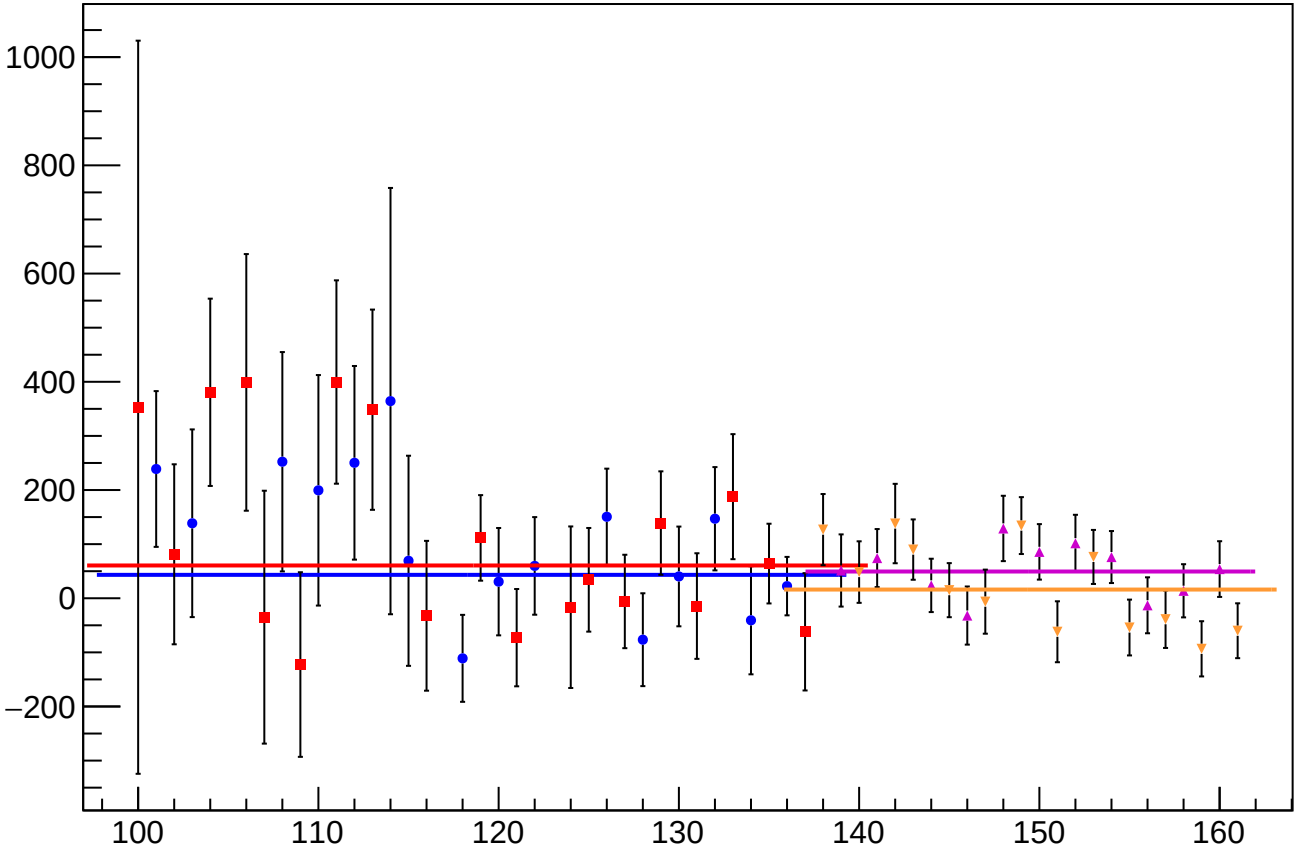
Right: 0.000+/-0.000 χ^2/NDF: 3483999.9/34

In: 0.000+/-0.000 χ^2/NDF:6527433.4/26

Out: 0.000+/-0.000 χ^2/NDF:4365025.9/31

All: 0.000+/-0.000 χ^2/NDF: 11038595.5/58

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.082+/-15.221 χ^2/NDF:26.0/12

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 49.423+/-15.919 χ^2/NDF:8.3/10

Left: 32.006+/-11.001 χ^2/NDF: 36.6/23

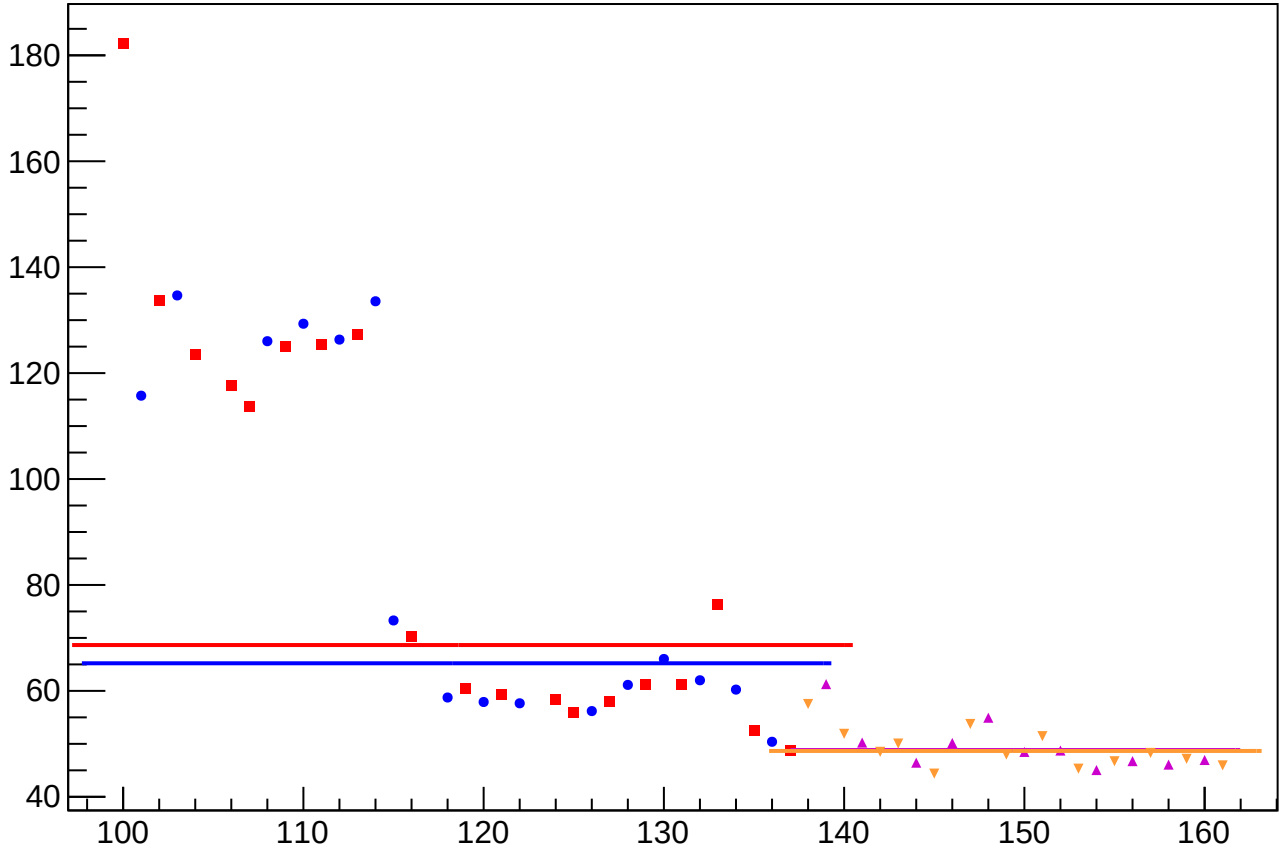
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 47.718+/-13.545 χ^2/NDF:23.3/26

Out: 26.877+/-13.247 χ^2/NDF:48.5/31

All: 37.066+/-9.470 χ^2/NDF: 73.0/58

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

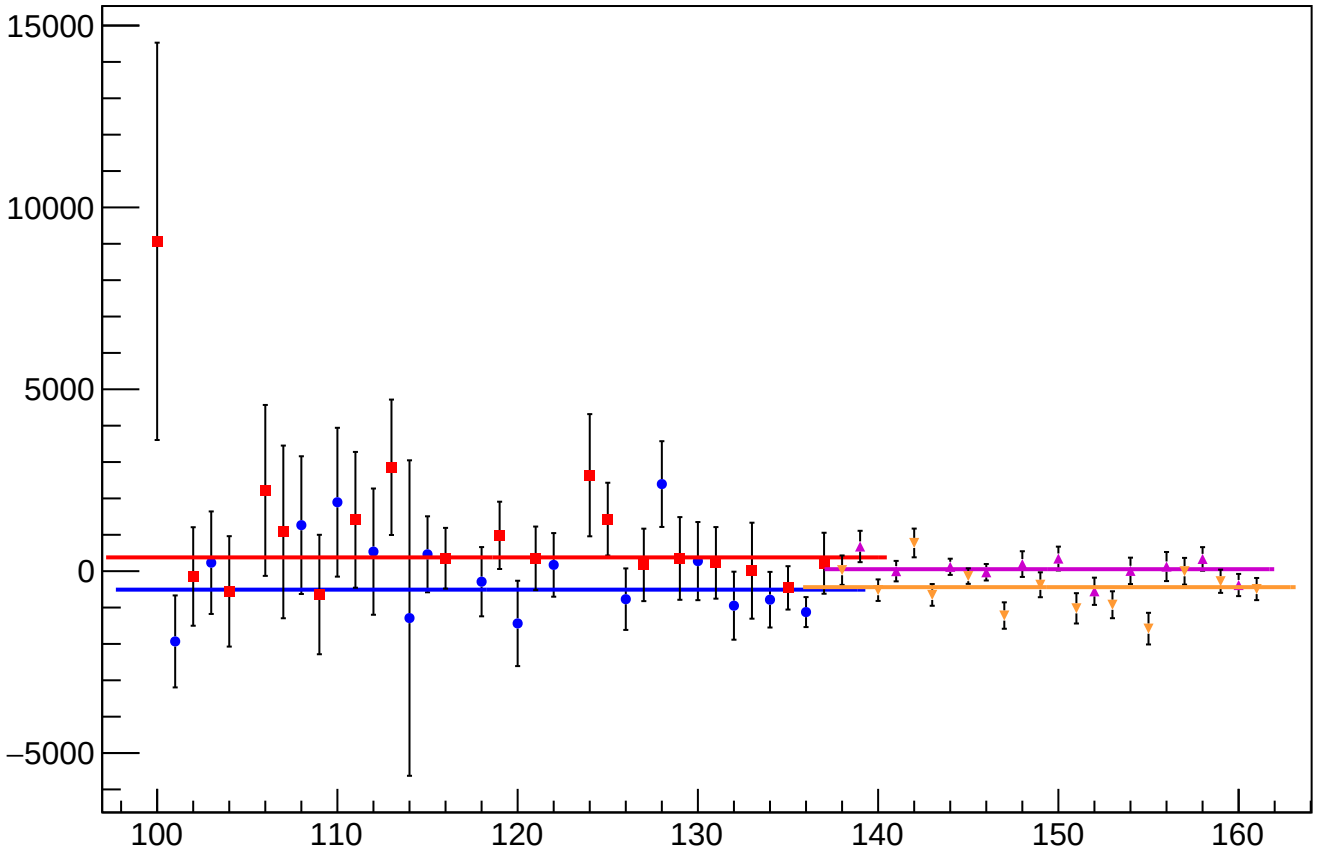
Left: 48.744+/-0.008 χ^2/NDF: 220380.1/23

Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 53.356+/-0.010 χ^2/NDF:2152853.2/26

Out: 53.511+/-0.009 χ^2/NDF:2576481.5/31

All: 53.435+/-0.007 χ^2/NDF: 4729469.6/58



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -439.347+/-91.408 χ^2/NDF:30.3/12

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 54.459+/-92.740 χ^2/NDF:8.8/10

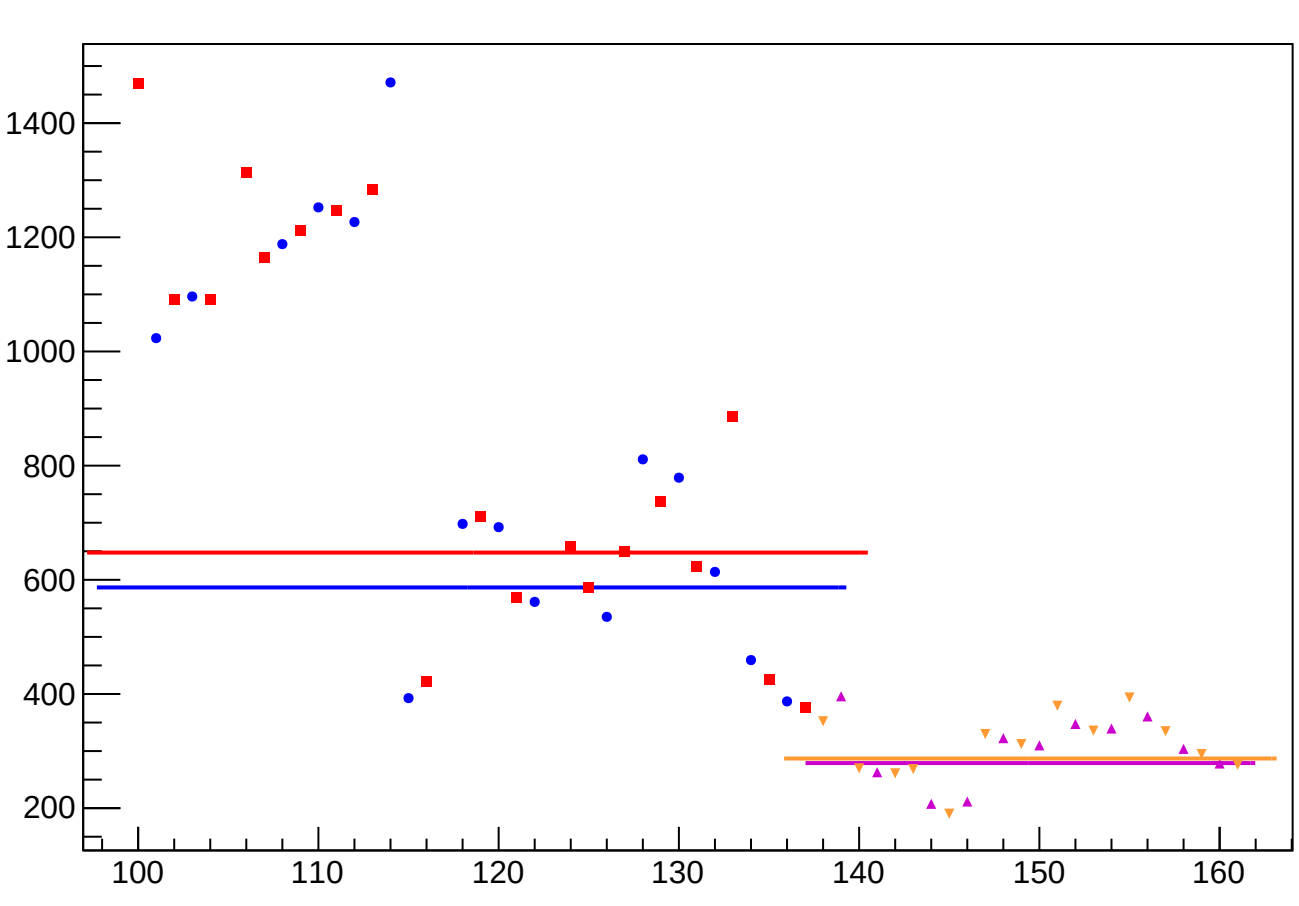
Left: -196.016+/-65.101 χ^2/NDF: 53.5/23

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -20.251+/-86.361 χ^2/NDF:29.3/26

Out: -347.083+/-86.101 χ^2/NDF:51.1/31

All: -184.160+/-60.974 χ^2/NDF: 87.6/58



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.017+/-0.065 χ^2/NDF:818147.0/12

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.000+/-0.066 χ^2/NDF:802376.1/10

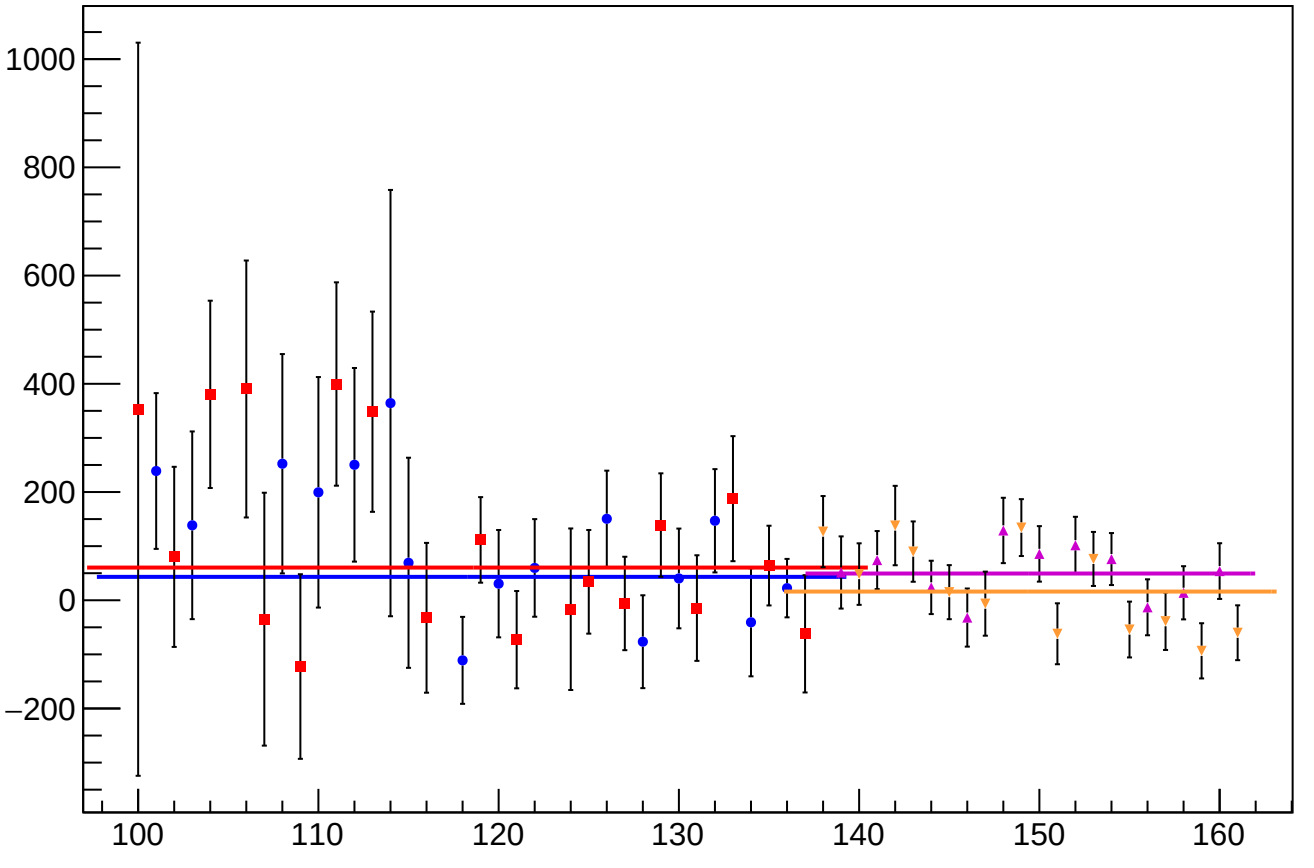
Left: 283.066+/-0.046 χ^2/NDF: 1628103.1/23

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 319.869+/-0.061 χ^2/NDF:5779210.1/26

Out: 327.691+/-0.061 χ^2/NDF:6435750.0/31

All: 323.792+/-0.043 χ^2/NDF: 12223188.9/58



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.083+/-15.221 χ^2/NDF:26.0/12

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 49.423+/-15.919 χ^2/NDF:8.3/10

Left: 32.006+/-11.001 χ^2/NDF: 36.6/23

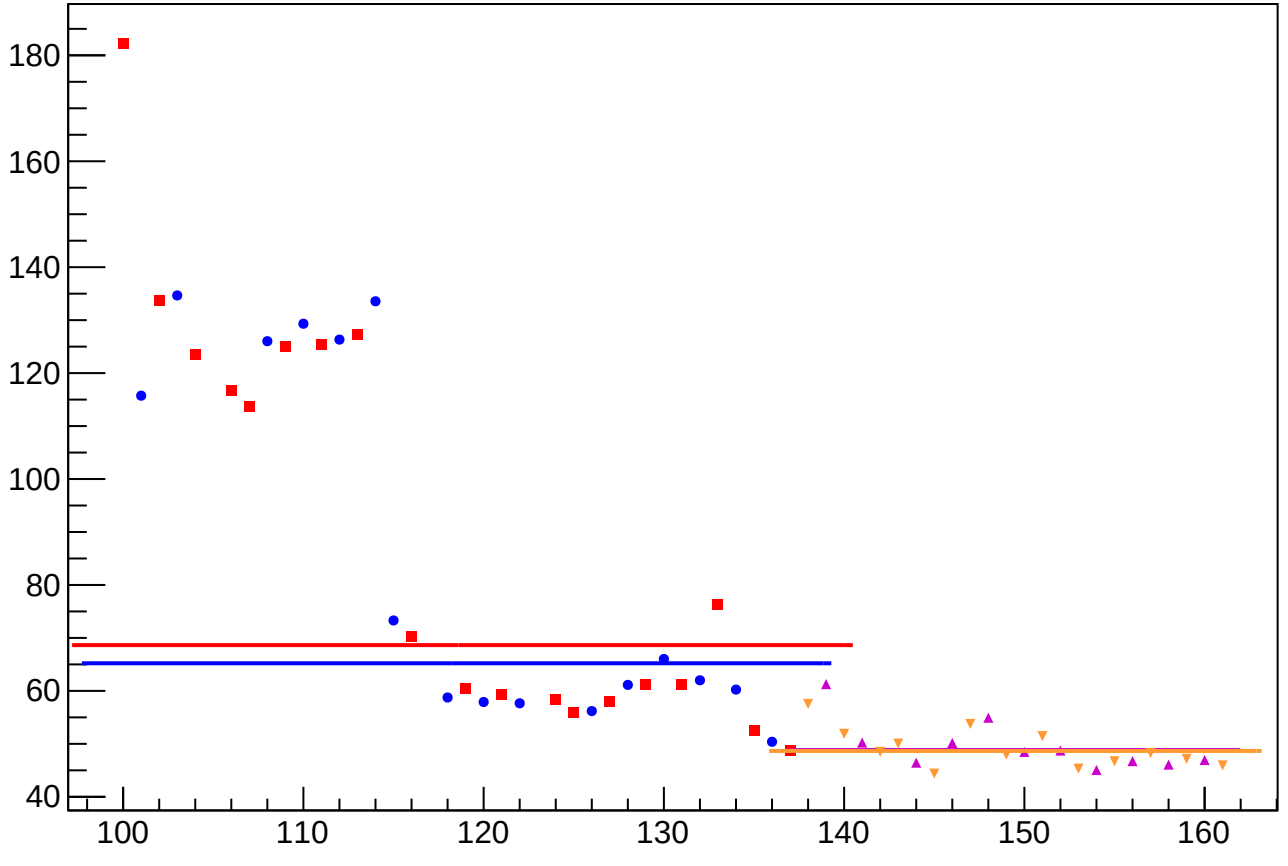
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.716+/-13.545 χ^2/NDF:23.3/26

Out: 26.842+/-13.247 χ^2/NDF:48.4/31

All: 37.047+/-9.470 χ^2/NDF: 72.9/58

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

Left: 48.744+/-0.008 χ^2/NDF: 220380.1/23

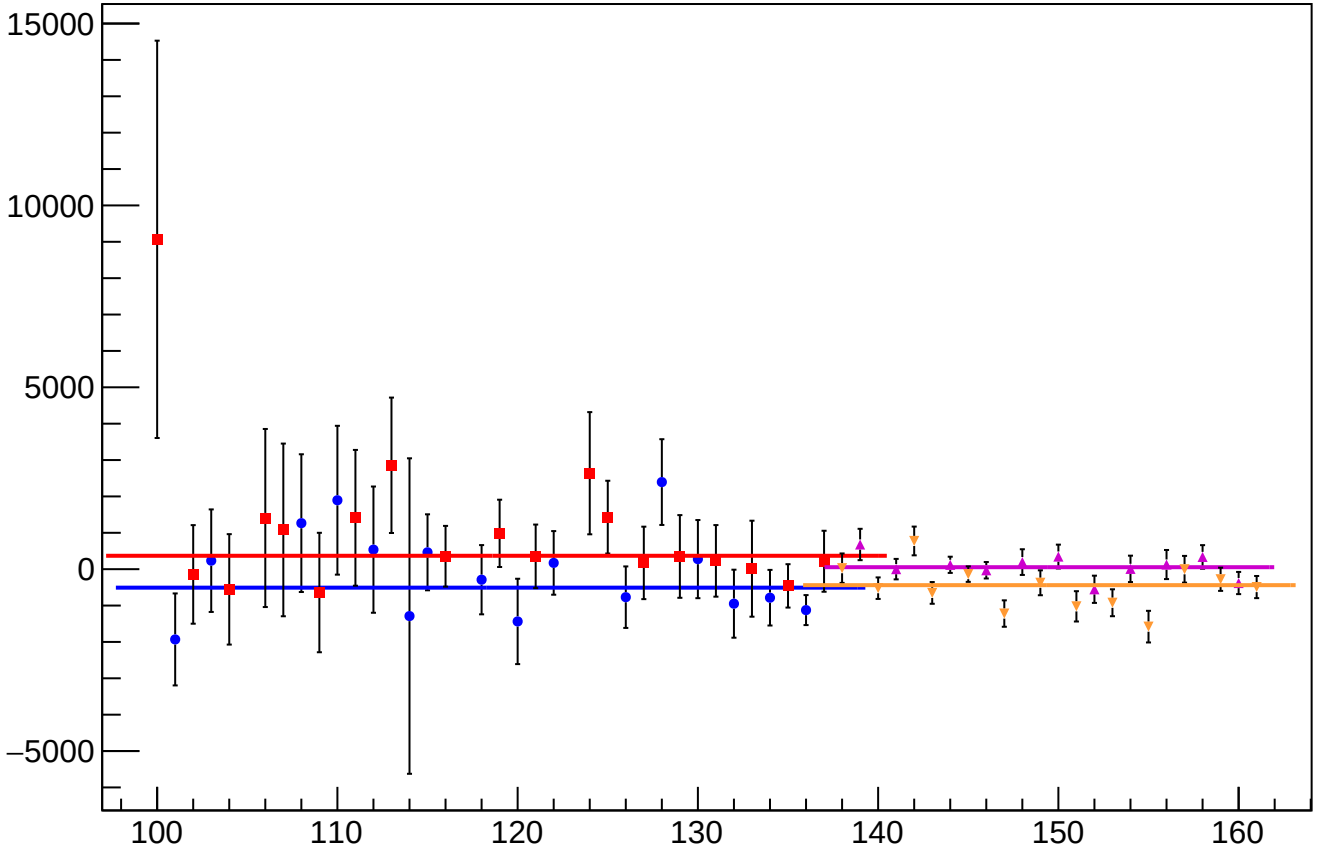
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.356+/-0.010 χ^2/NDF:2152855.3/26

Out: 53.508+/-0.009 χ^2/NDF:2571895.5/31

All: 53.433+/-0.007 χ^2/NDF: 4724879.4/58

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -439.344+/-91.408 χ^2/NDF:30.3/12

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 54.460+/-92.740 χ^2/NDF:8.8/10

Left: -196.014+/-65.101 χ^2/NDF: 53.5/23

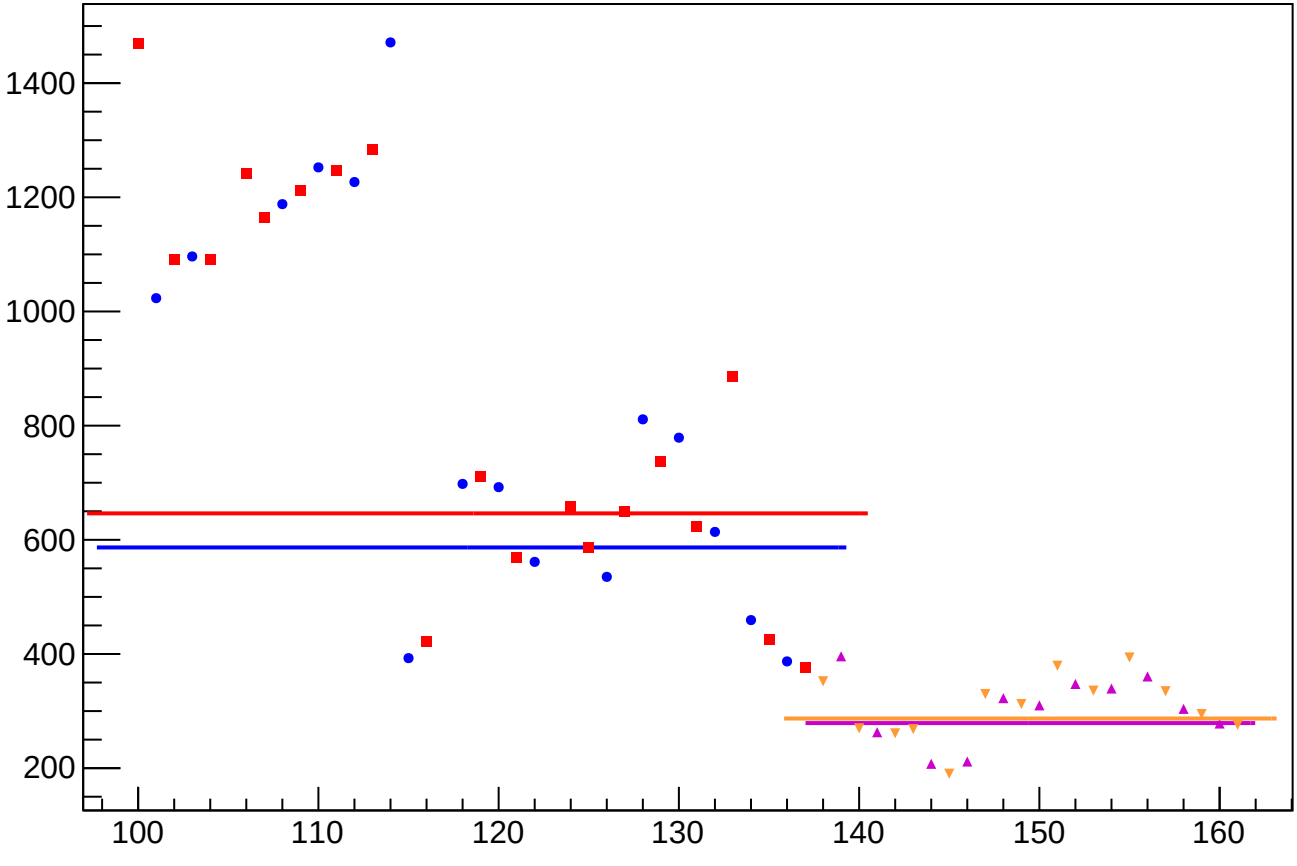
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -20.248+/-86.361 χ^2/NDF:29.3/26

Out: -348.350+/-86.105 χ^2/NDF:50.4/31

All: -184.785+/-60.976 χ^2/NDF: 86.9/58

asym_sam_1526_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.017+/-0.065 χ^2/NDF:818151.3/12

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

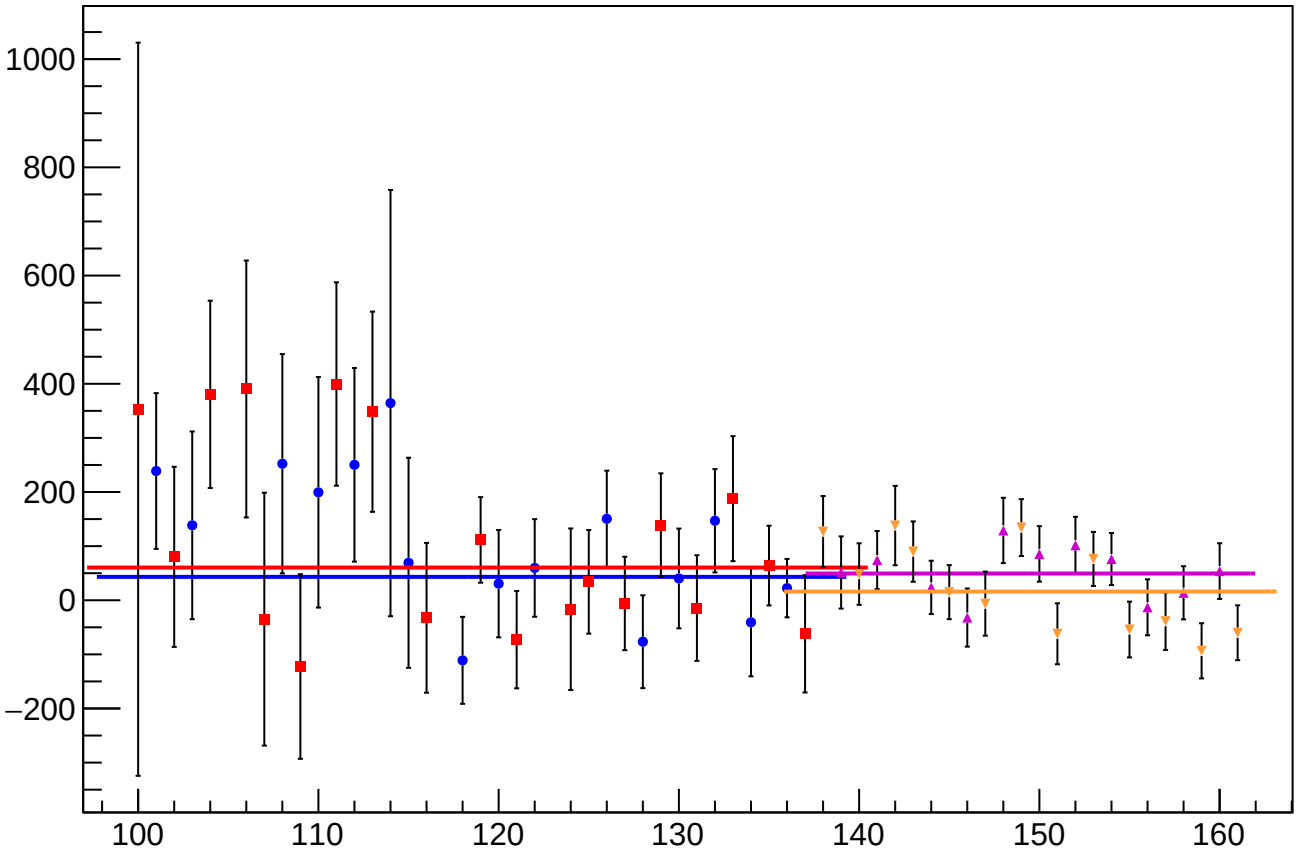
Left: 283.066+/-0.046 χ^2/NDF: 1628102.2/23

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.869+/-0.061 χ^2/NDF:5779226.2/26

Out: 327.497+/-0.061 χ^2/NDF:6362881.3/31

All: 323.694+/-0.043 χ^2/NDF: 12149931.8/58



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.083+/-15.221 χ^2/NDF:26.0/12

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 49.423+/-15.919 χ^2/NDF:8.3/10

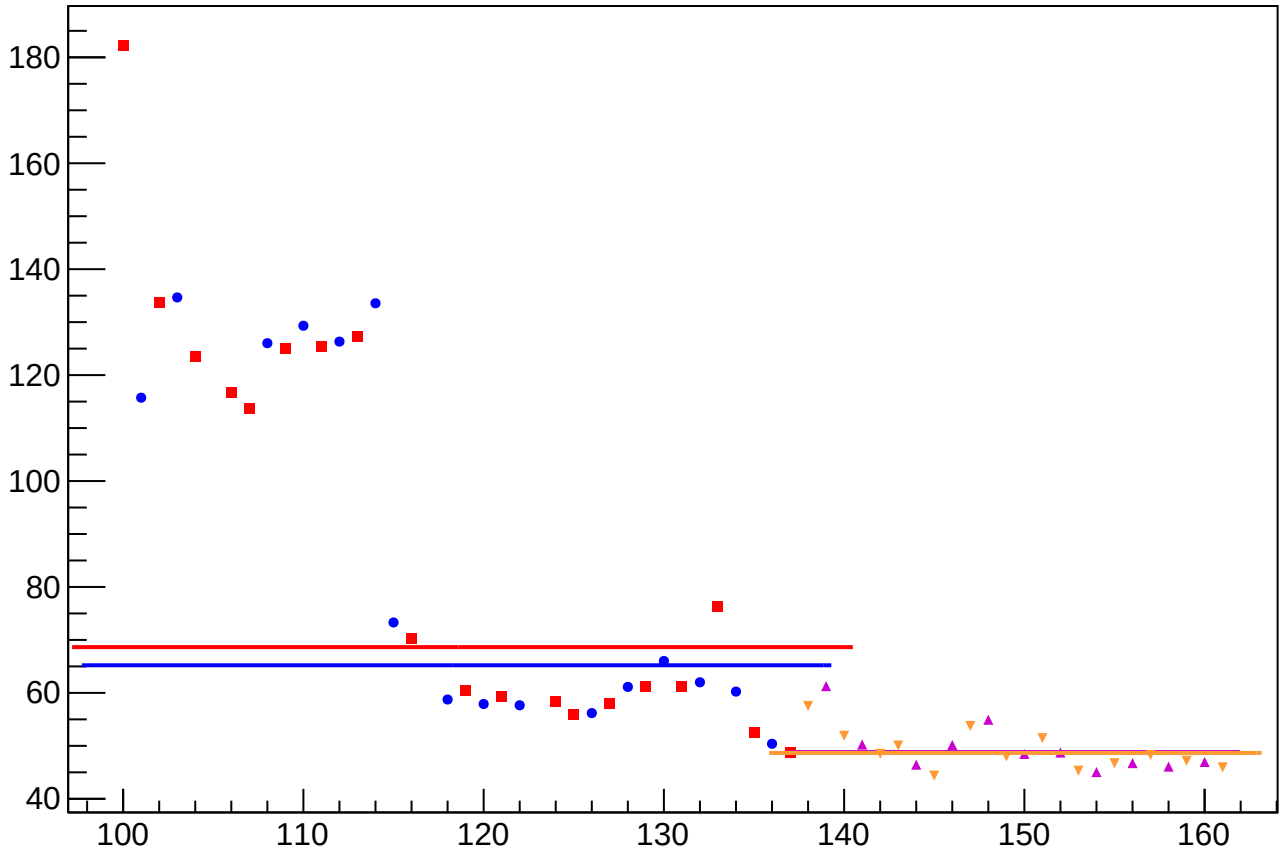
Left: 32.006+/-11.001 χ^2/NDF: 36.6/23

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 47.716+/-13.545 χ^2/NDF:23.3/26

Out: 26.842+/-13.247 χ^2/NDF:48.4/31

All: 37.047+/-9.470 χ^2/NDF: 72.9/58



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

Left: 48.744+/-0.008 χ^2/NDF: 220380.1/23

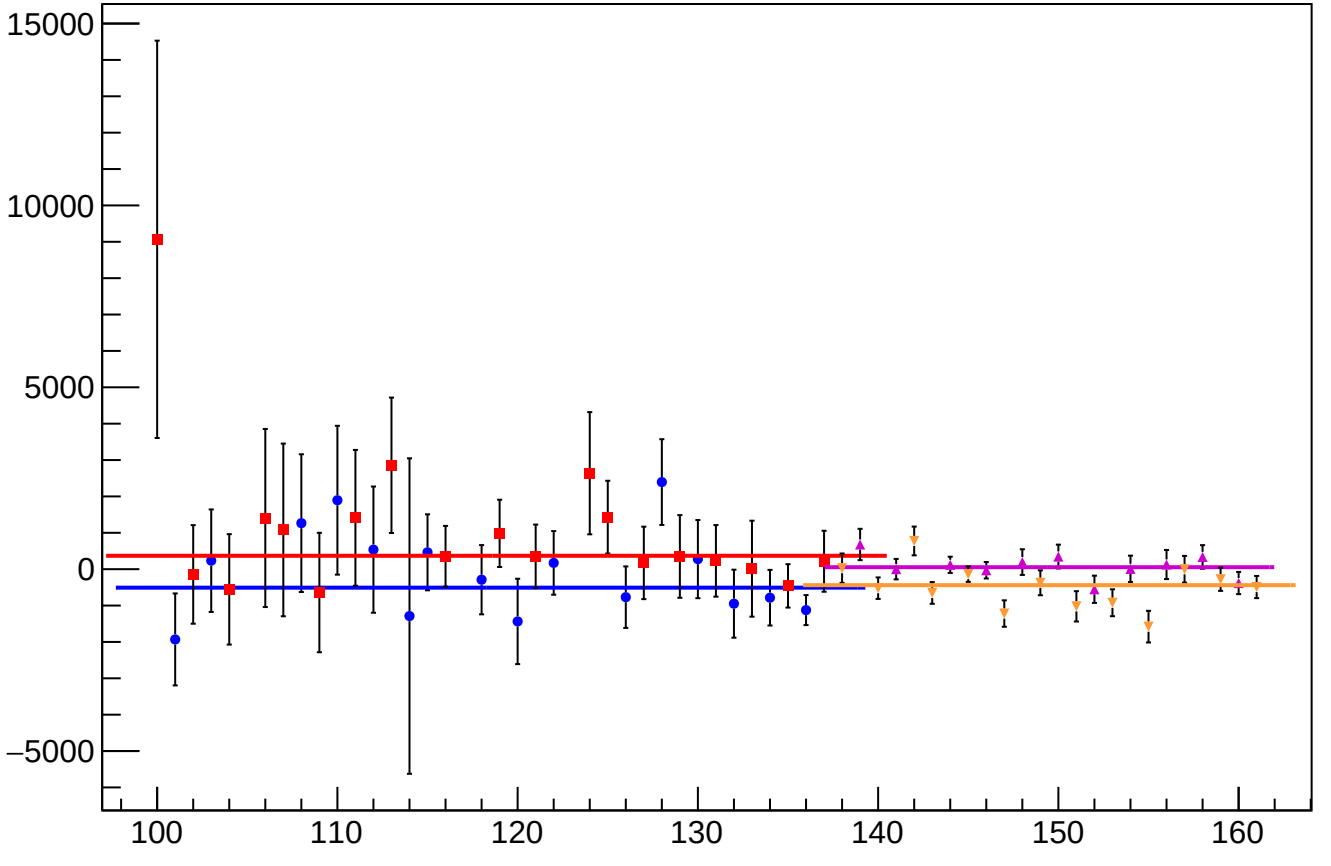
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 53.356+/-0.010 χ^2/NDF:2152855.3/26

Out: 53.508+/-0.009 χ^2/NDF:2571895.5/31

All: 53.433+/-0.007 χ^2/NDF: 4724879.4/58

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: -439.344+/-91.408 χ^2/NDF:30.3/12

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 54.460+/-92.740 χ^2/NDF:8.8/10

Left: -196.014+/-65.101 χ^2/NDF: 53.5/23

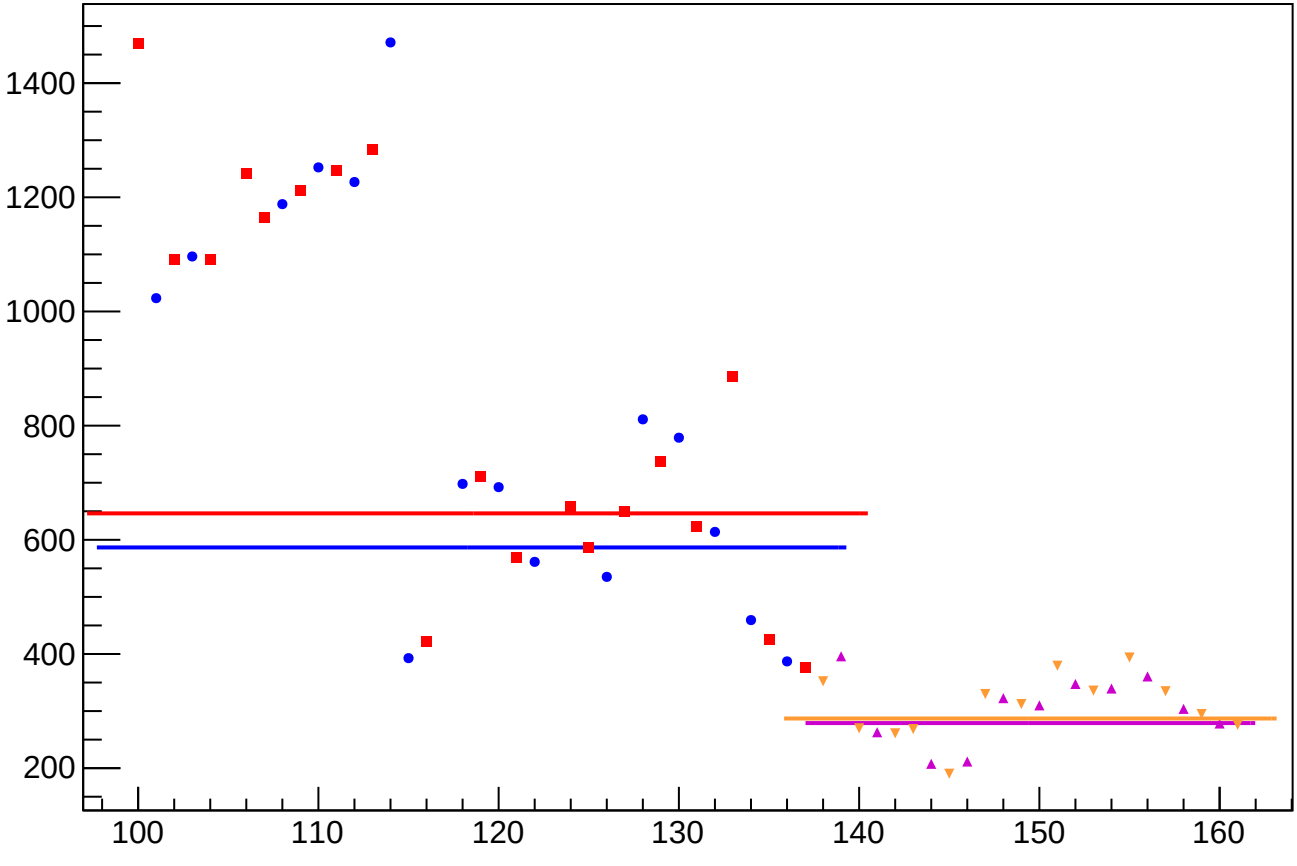
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -20.248+/-86.361 χ^2/NDF:29.3/26

Out: -348.350+/-86.105 χ^2/NDF:50.4/31

All: -184.785+/-60.976 χ^2/NDF: 86.9/58

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.017+/-0.065 χ^2/NDF:818151.3/12

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

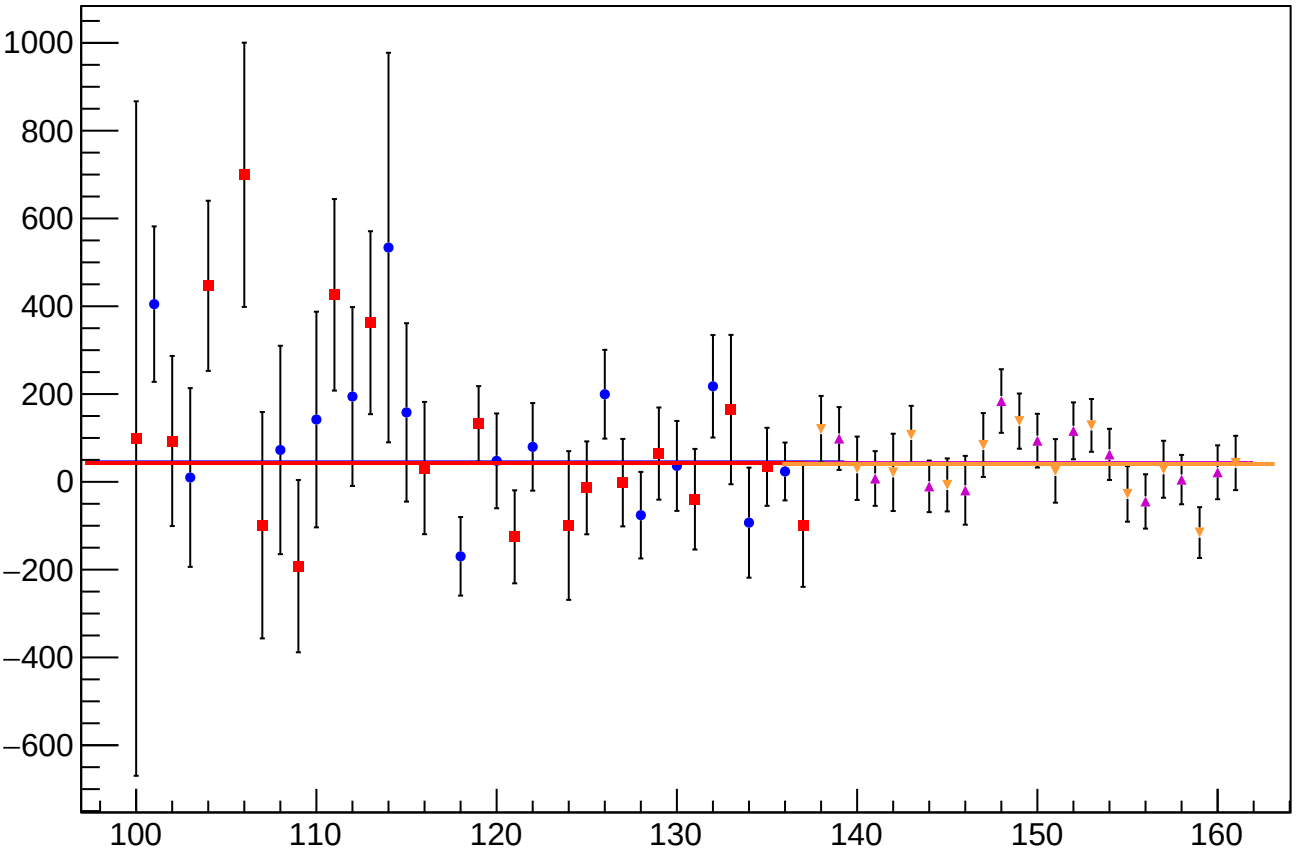
Left: 283.066+/-0.046 χ^2/NDF: 1628102.2/23

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.869+/-0.061 χ^2/NDF:5779226.2/26

Out: 327.497+/-0.061 χ^2/NDF:6362881.3/31

All: 323.694+/-0.043 χ^2/NDF: 12149931.8/58



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 40.647+/-18.402 χ^2/NDF:16.2/12

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 42.783+/-19.107 χ^2/NDF:10.8/10

Left: 41.675+/-13.254 χ^2/NDF: 27.1/23

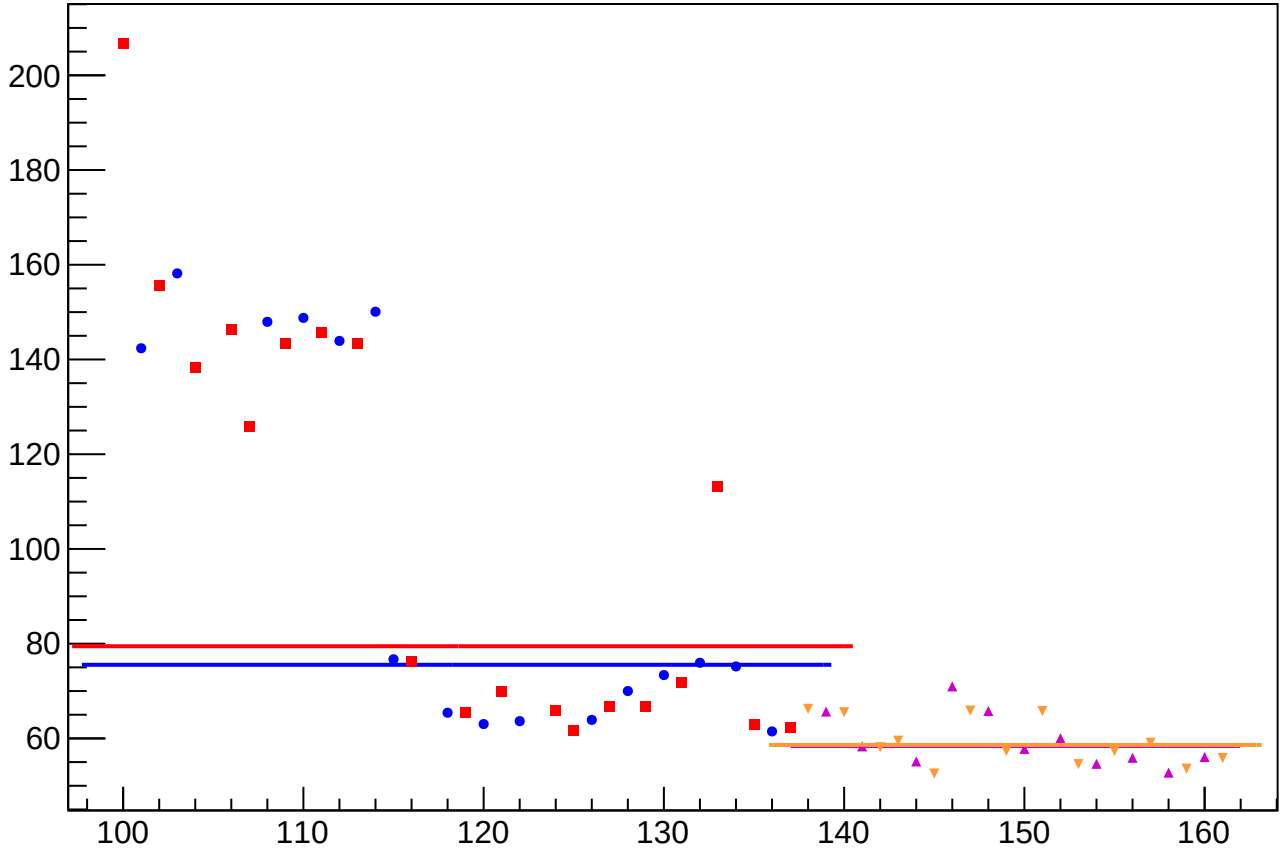
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 43.248+/-16.102 χ^2/NDF:30.4/26

Out: 41.227+/-15.857 χ^2/NDF:39.5/31

All: 42.222+/-11.298 χ^2/NDF: 70.0/58

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.620+/-0.013 χ^2/NDF:128353.3/12

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135056.8/10

Left: 58.513+/-0.009 χ^2/NDF: 263551.5/23

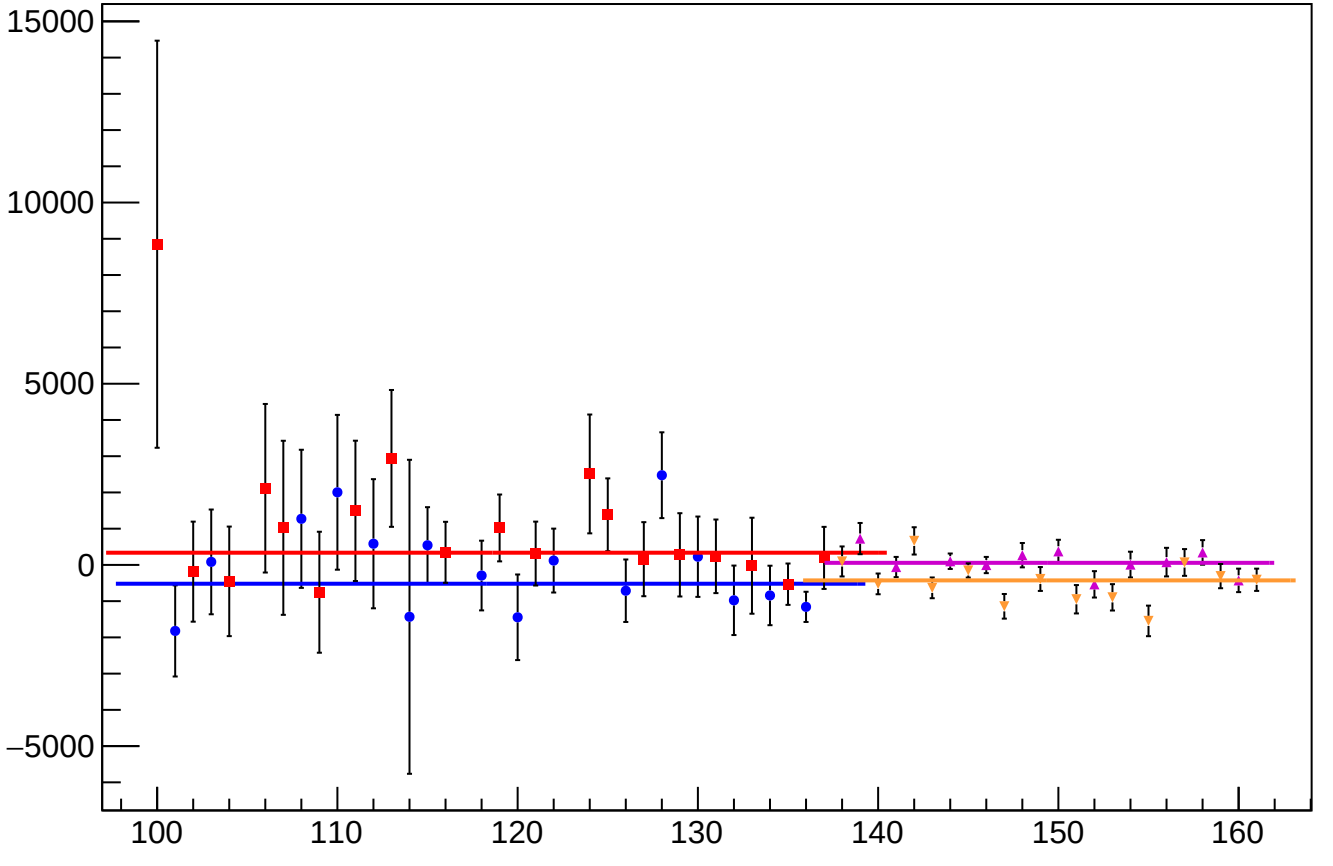
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.367+/-0.011 χ^2/NDF:2067469.9/26

Out: 63.988+/-0.011 χ^2/NDF:2472829.7/31

All: 63.682+/-0.008 χ^2/NDF: 4541808.0/58

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: -427.202+/-88.503 χ^2/NDF:29.4/12

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 57.471+/-91.713 χ^2/NDF:9.7/10

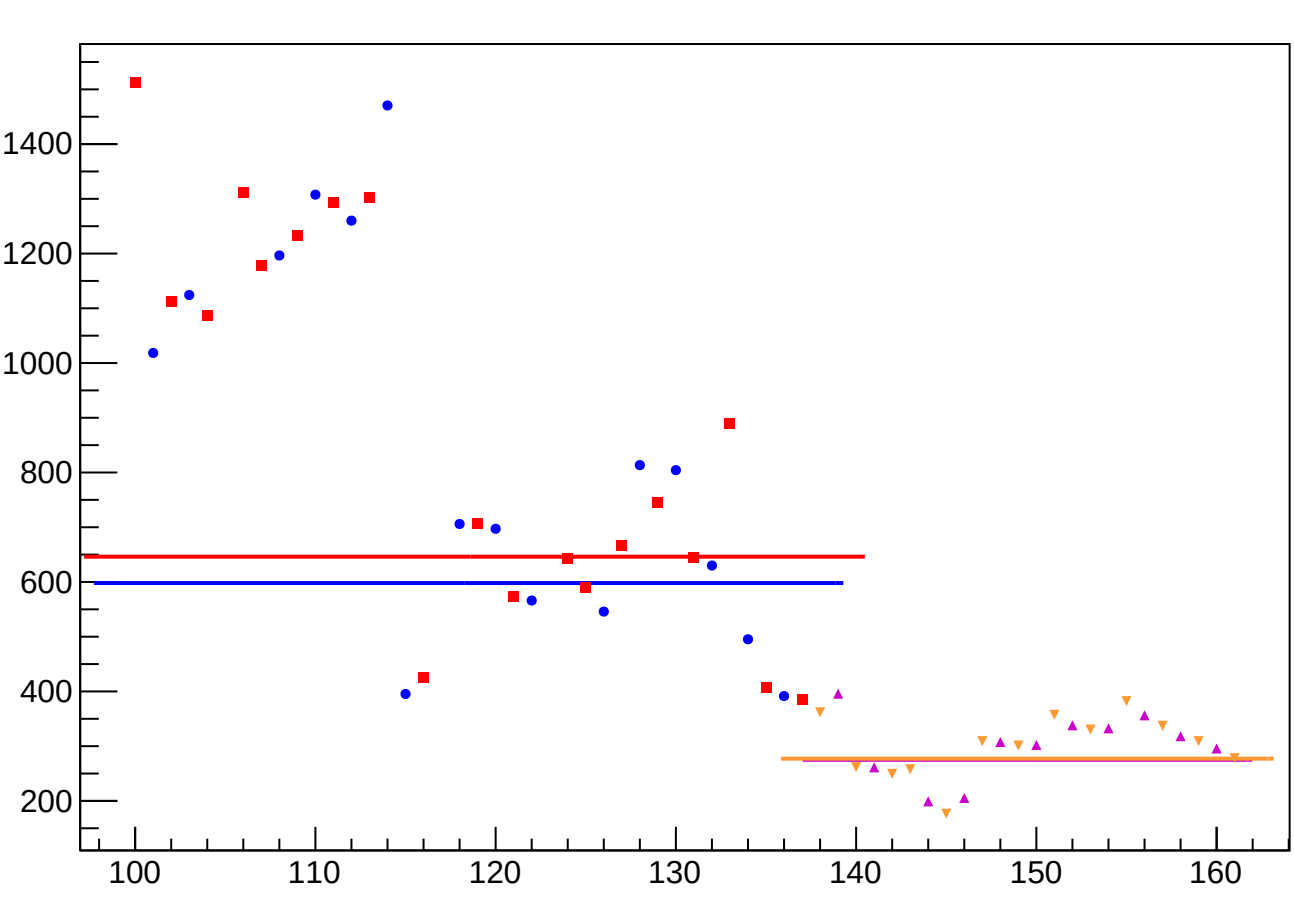
Left: -193.494+/-63.686 χ^2/NDF: 53.5/23

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -15.316+/-85.730 χ^2/NDF:30.5/26

Out: -345.995+/-83.667 χ^2/NDF:49.2/31

All: -184.682+/-59.878 χ^2/NDF: 87.3/58



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 277.222+/-0.063 χ^2/NDF:984363.9/12

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 275.098+/-0.065 χ^2/NDF:880106.7/10

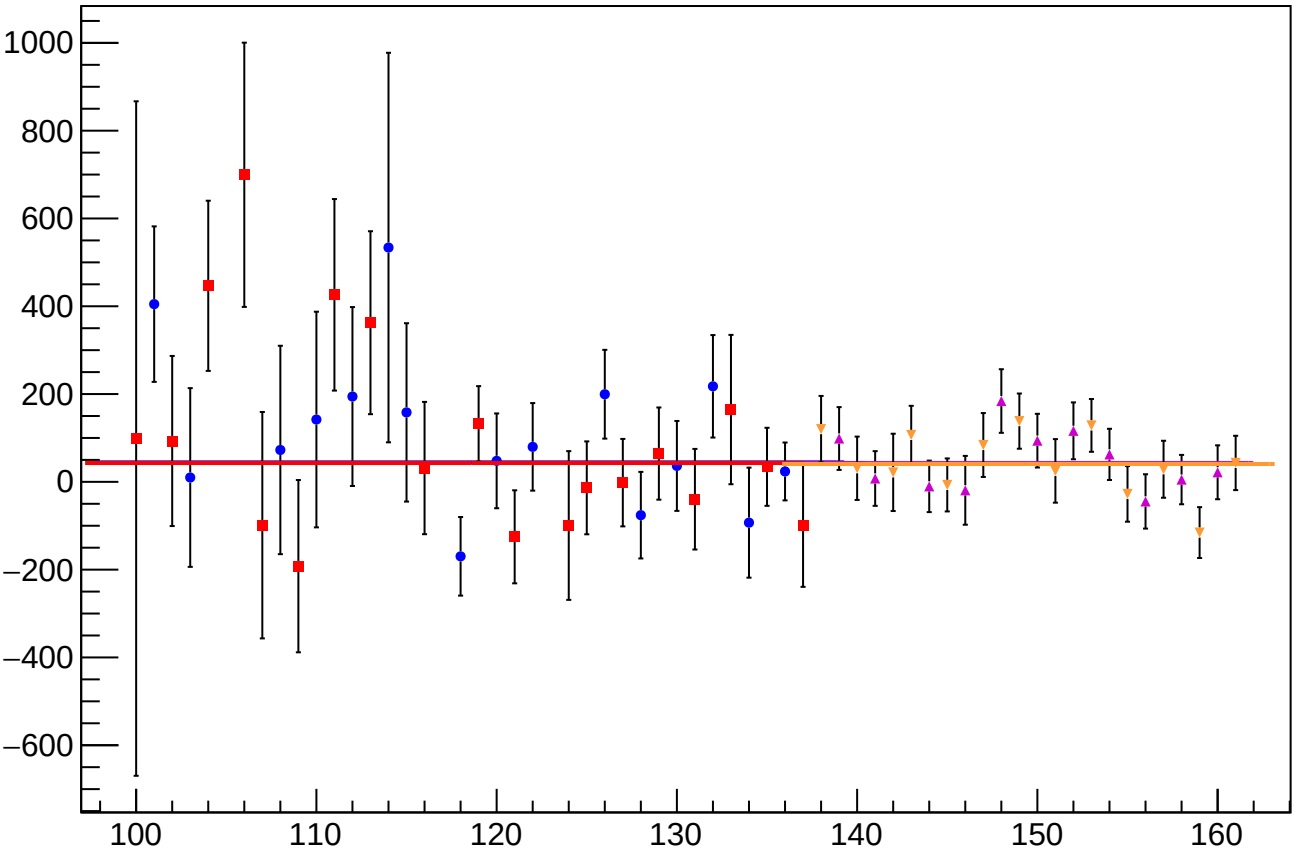
Left: 276.198+/-0.045 χ^2/NDF: 1865026.1/23

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 315.857+/-0.061 χ^2/NDF:6057777.4/26

Out: 316.444+/-0.059 χ^2/NDF:6884892.1/31

All: 316.157+/-0.042 χ^2/NDF: 12942717.5/58



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 40.648+/-18.402 χ^2/NDF:16.2/12

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 42.782+/-19.107 χ^2/NDF:10.8/10

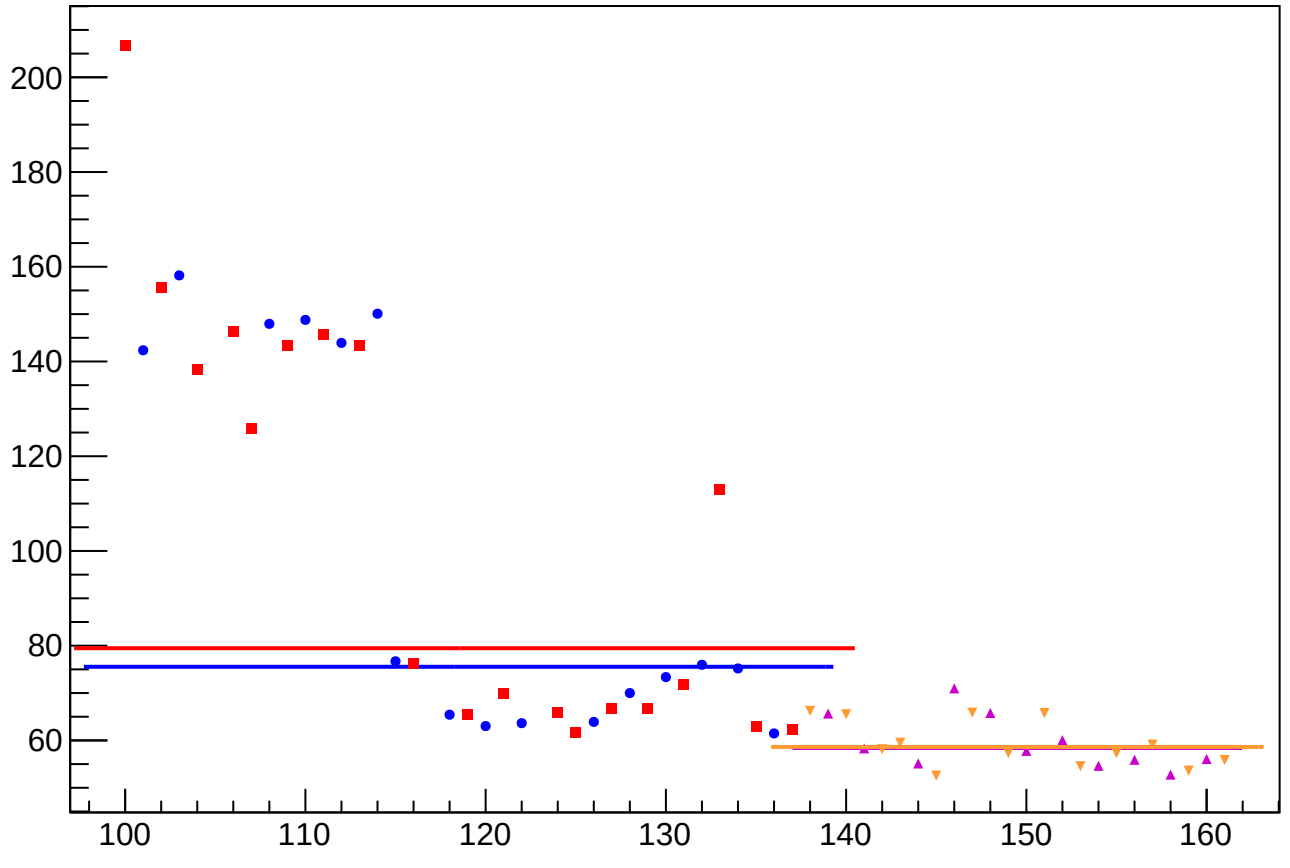
Left: 41.674+/-13.254 χ^2/NDF: 27.1/23

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 43.247+/-16.102 χ^2/NDF:30.4/26

Out: 41.228+/-15.857 χ^2/NDF:39.5/31

All: 42.222+/-11.298 χ^2/NDF: 70.0/58



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.620+/-0.013 χ^2/NDF:128354.0/12

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135061.5/10

Left: 58.513+/-0.009 χ^2/NDF: 263556.9/23

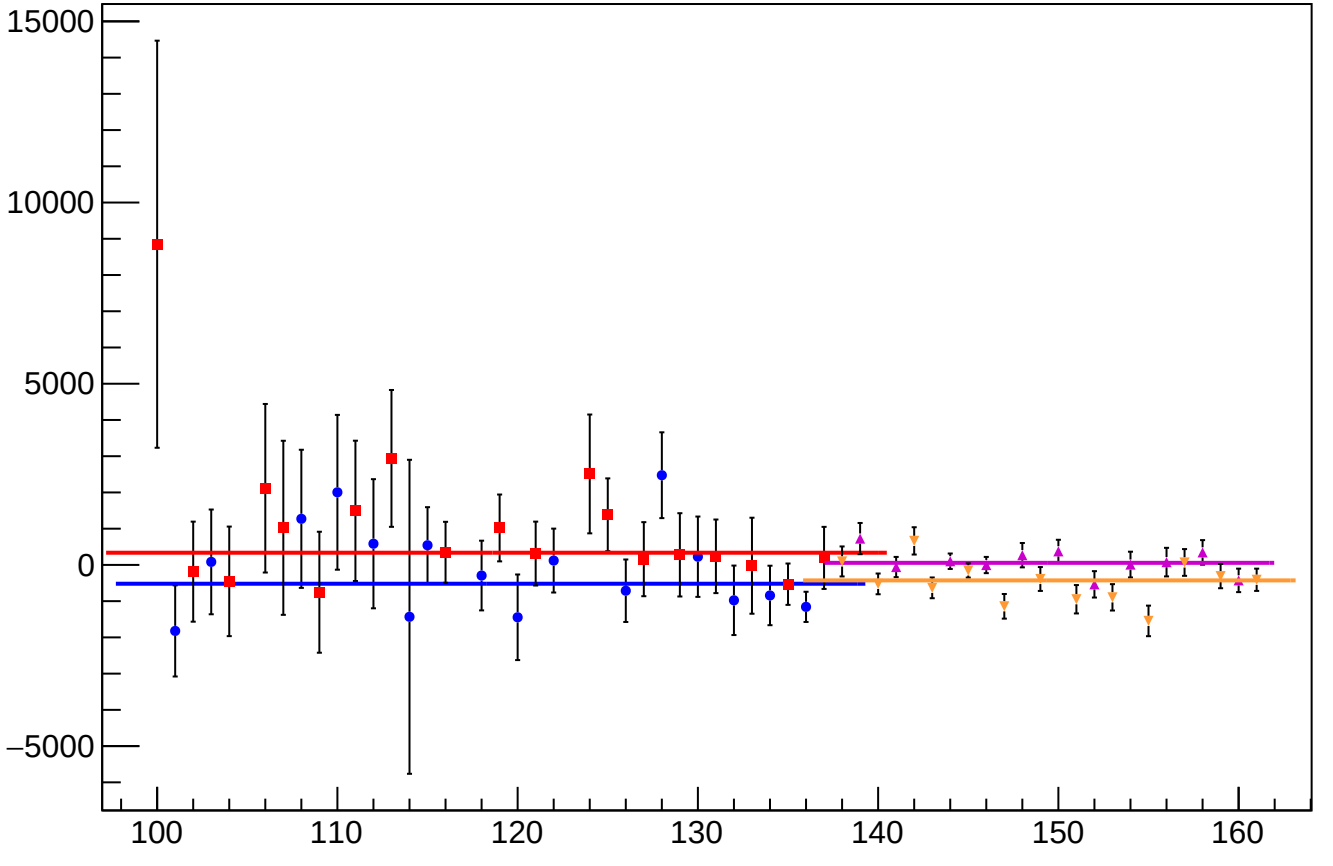
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.367+/-0.011 χ^2/NDF:2067439.2/26

Out: 63.988+/-0.011 χ^2/NDF:2472799.3/31

All: 63.682+/-0.008 χ^2/NDF: 4541747.1/58

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: -427.201+/-88.503 χ^2/NDF:29.4/12

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 57.470+/-91.712 χ^2/NDF:9.7/10

Left: -193.494+/-63.685 χ^2/NDF: 53.5/23

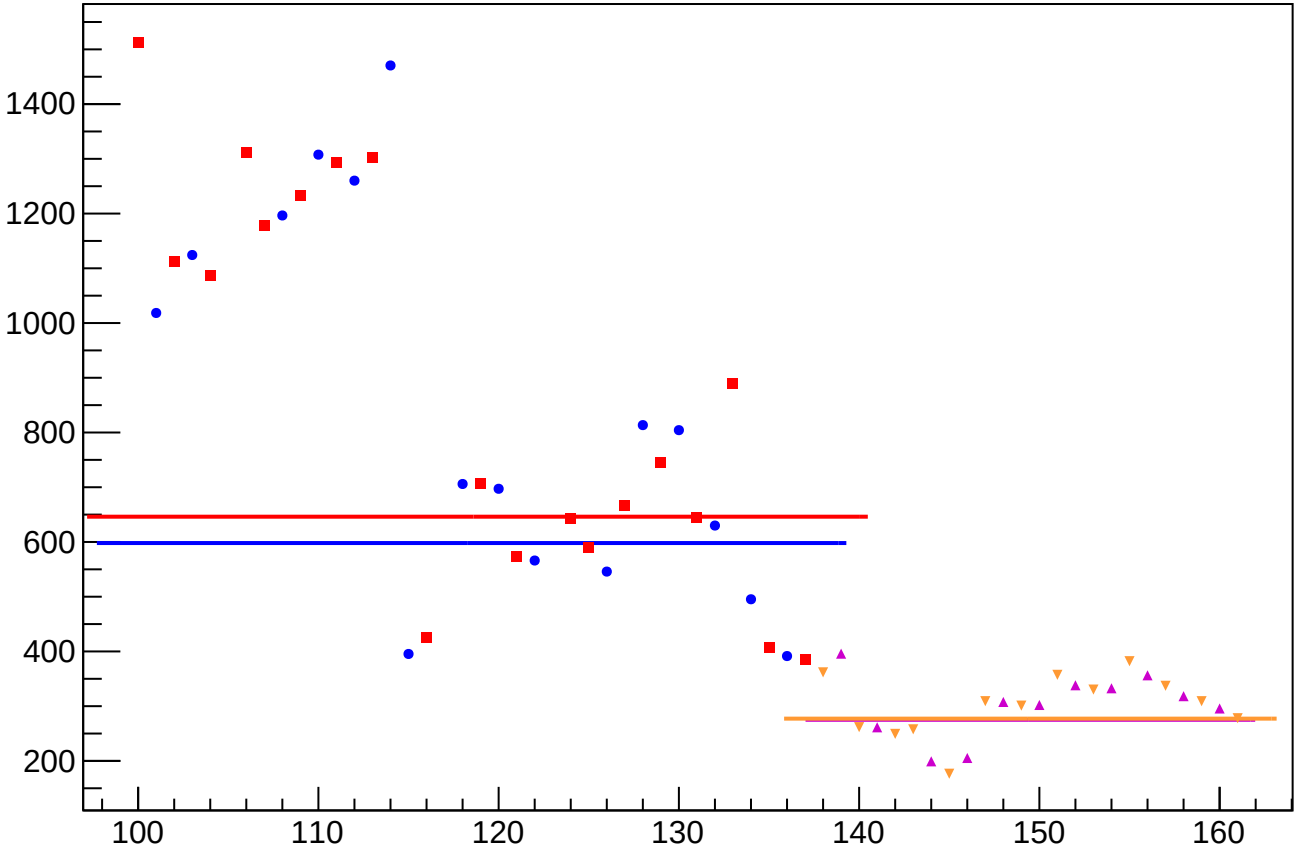
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -15.317+/-85.730 χ^2/NDF:30.5/26

Out: -345.995+/-83.667 χ^2/NDF:49.2/31

All: -184.682+/-59.877 χ^2/NDF: 87.3/58

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 277.222+/-0.063 χ^2/NDF:984371.3/12

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 275.098+/-0.065 χ^2/NDF:880104.0/10

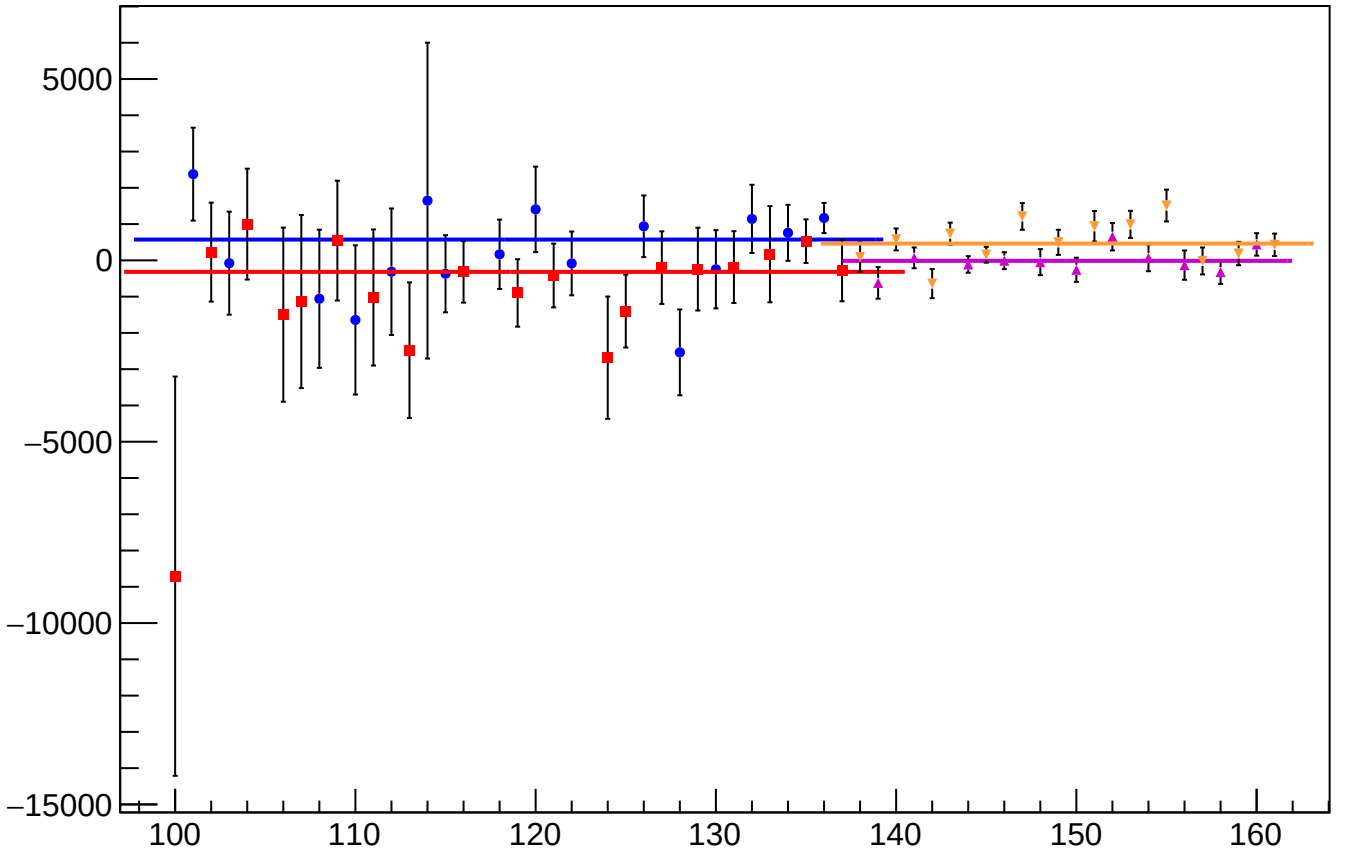
Left: 276.198+/-0.045 χ^2/NDF: 1865030.8/23

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 315.856+/-0.061 χ^2/NDF:6057762.6/26

Out: 316.443+/-0.059 χ^2/NDF:6884895.8/31

All: 316.157+/-0.042 χ^2/NDF: 12942706.3/58



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 463.389+/-92.889 χ^2/NDF:26.9/12

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -14.196+/-94.436 χ^2/NDF:9.0/10

Left: 228.542+/-66.222 χ^2/NDF: 48.9/23

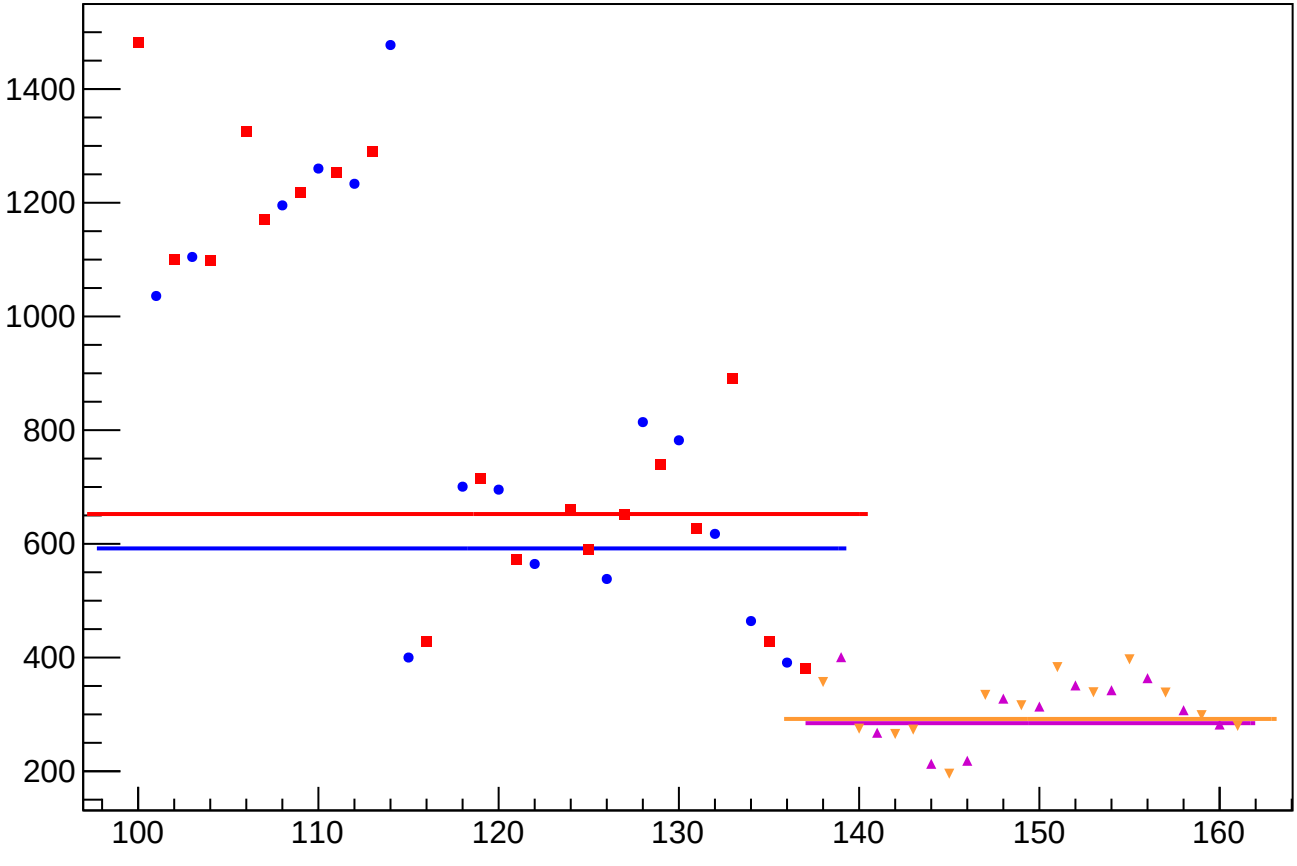
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 65.197+/-87.824 χ^2/NDF:30.8/26

Out: 374.006+/-87.406 χ^2/NDF:46.0/31

All: 220.339+/-61.953 χ^2/NDF: 83.0/58

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.024+/-0.066 χ^2/NDF:771204.8/12

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.561+/-0.067 χ^2/NDF:747474.1/10

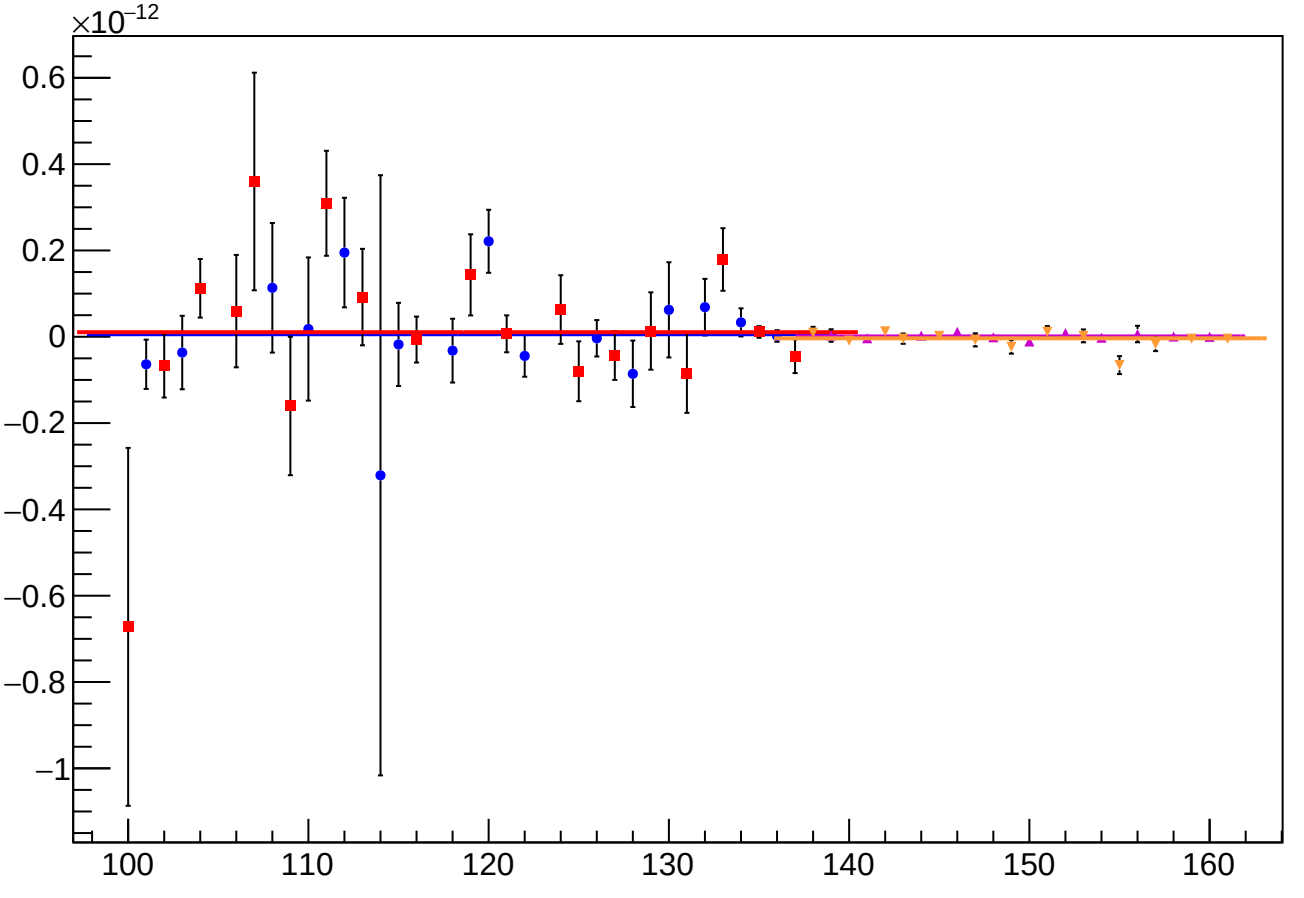
Left: 288.354+/-0.047 χ^2/NDF: 1525028.2/23

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 326.099+/-0.062 χ^2/NDF:5646832.4/26

Out: 333.316+/-0.062 χ^2/NDF:6311027.1/31

All: 329.725+/-0.044 χ^2/NDF: 11964646.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/10

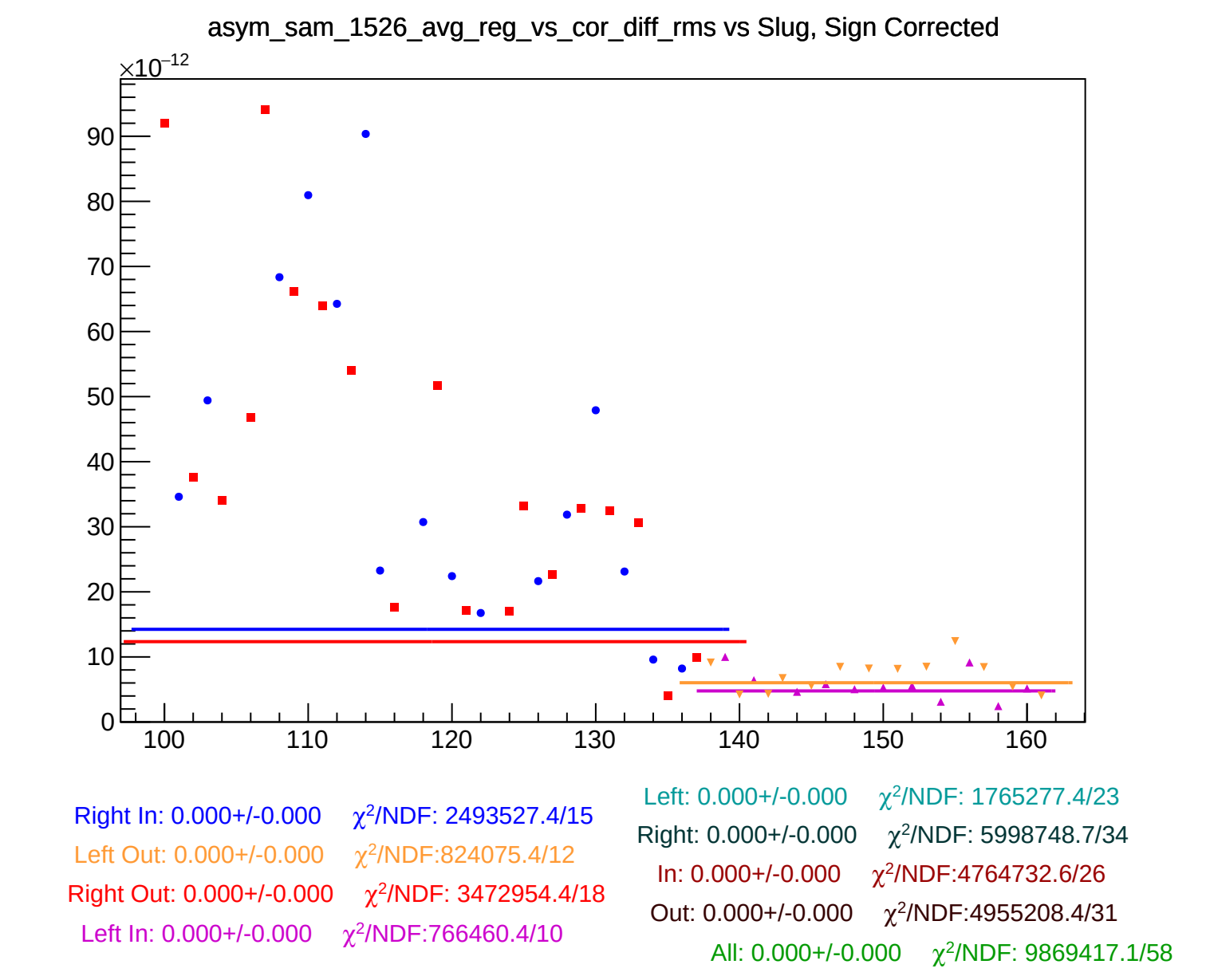
Left: -0.000+/-0.000 χ^2/NDF: 21.2/23

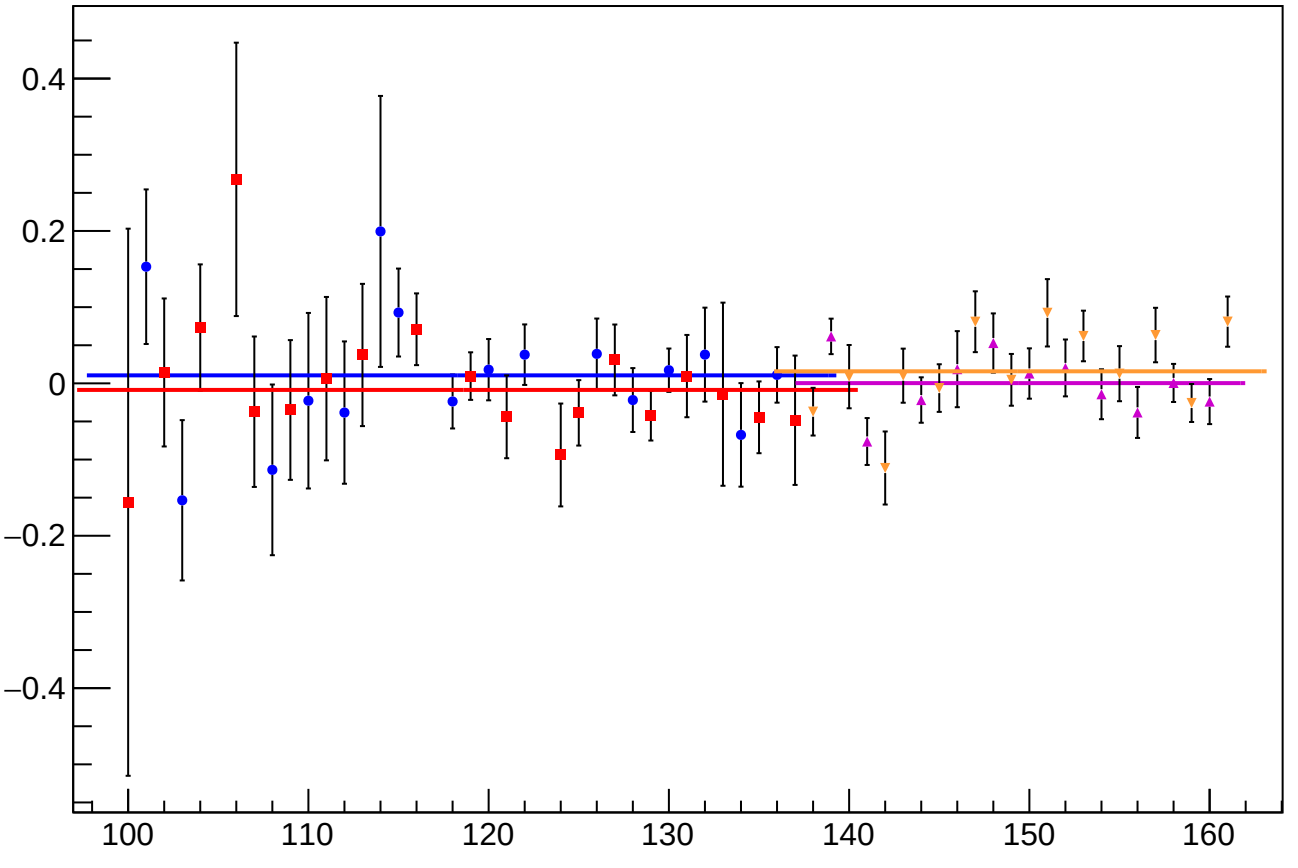
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.0/26

Out: -0.000+/-0.000 χ^2/NDF:47.8/31

All: -0.000+/-0.000 χ^2/NDF: 70.5/58


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:824075.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:766460.4/10
Left: 0.000+/-0.000 χ²/NDF: 1765277.4/23
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4764732.6/26
Out: 0.000+/-0.000 χ²/NDF:4955208.4/31
All: 0.000+/-0.000 χ²/NDF: 9869417.1/58



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.010 χ^2/NDF:26.6/12

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:18.3/10

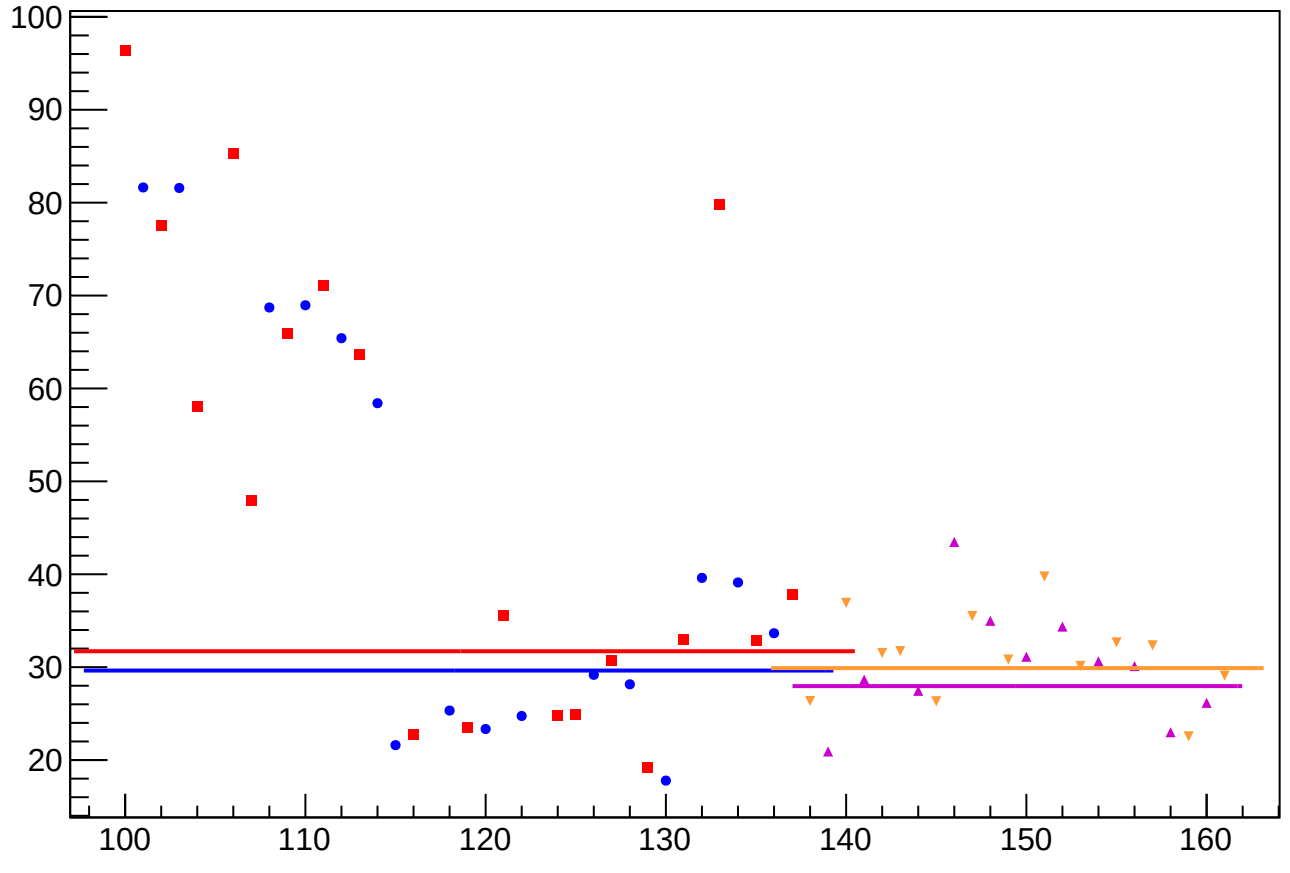
Left: 0.008+/-0.007 χ^2/NDF: 46.2/23

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

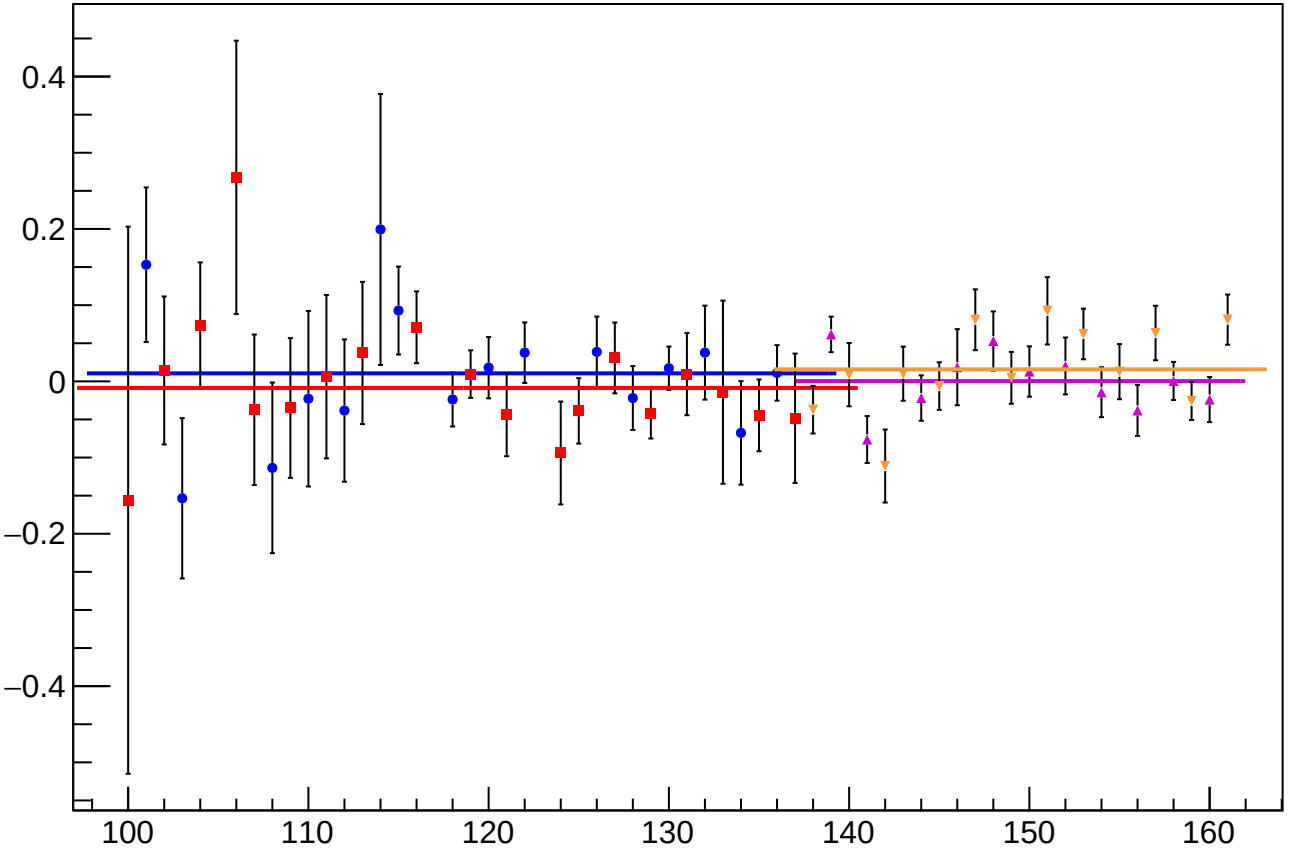
In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.007+/-0.008 χ^2/NDF:41.3/31

All: 0.006+/-0.005 χ^2/NDF: 73.2/58


asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 29.898+/-0.007 χ²/NDF:453149.6/12
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 27.958+/-0.007 χ²/NDF:628226.1/10
Left: 28.908+/-0.005 χ²/NDF: 1123000.6/23
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 28.561+/-0.005 χ²/NDF:3099522.4/26
Out: 30.523+/-0.005 χ²/NDF:3129232.0/31
All: 29.511+/-0.004 χ²/NDF: 6294490.1/58

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: 0.016+/-0.010 χ^2/NDF:26.6/12

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:18.3/10

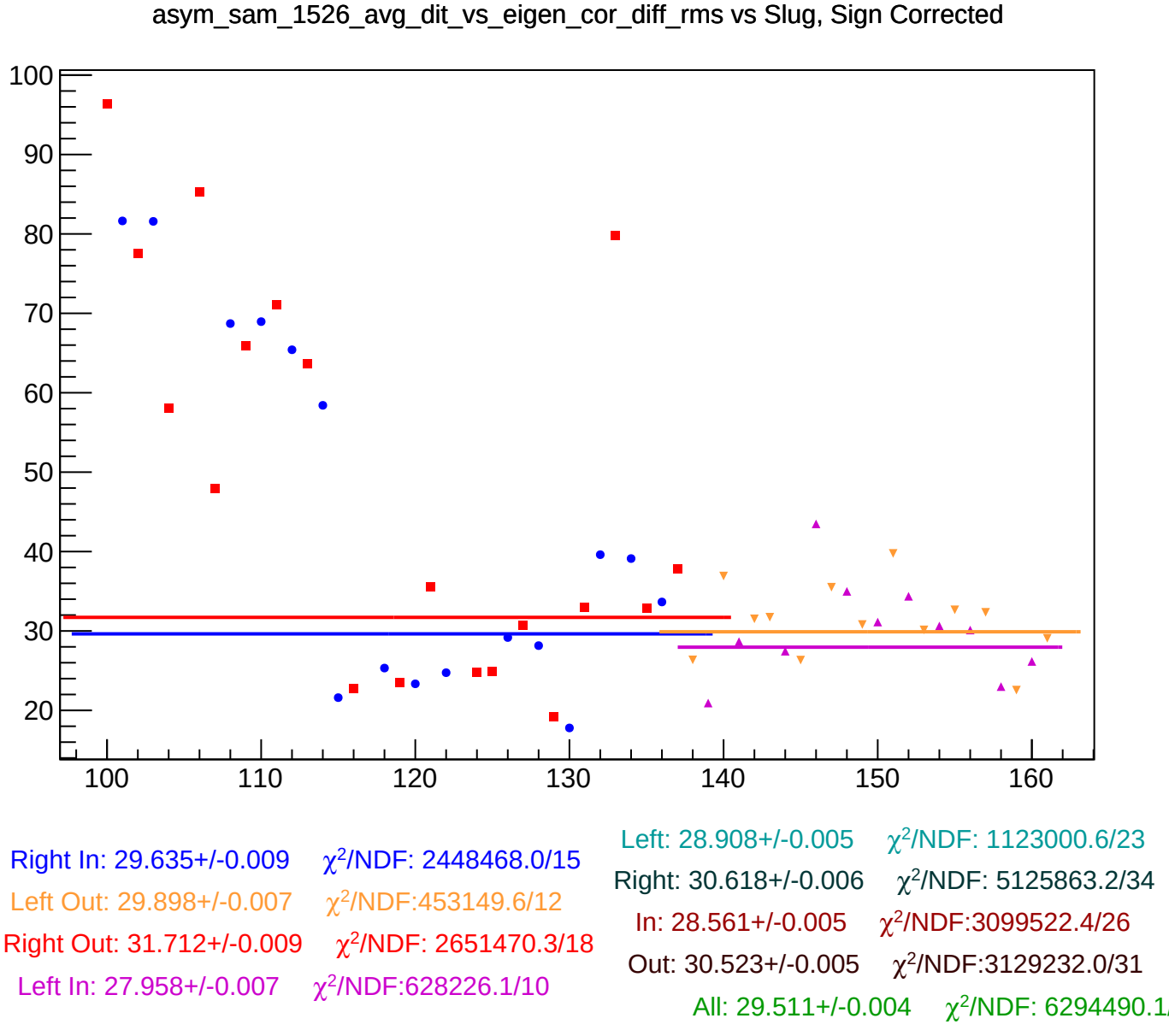
Left: 0.008+/-0.007 χ^2/NDF: 46.2/23

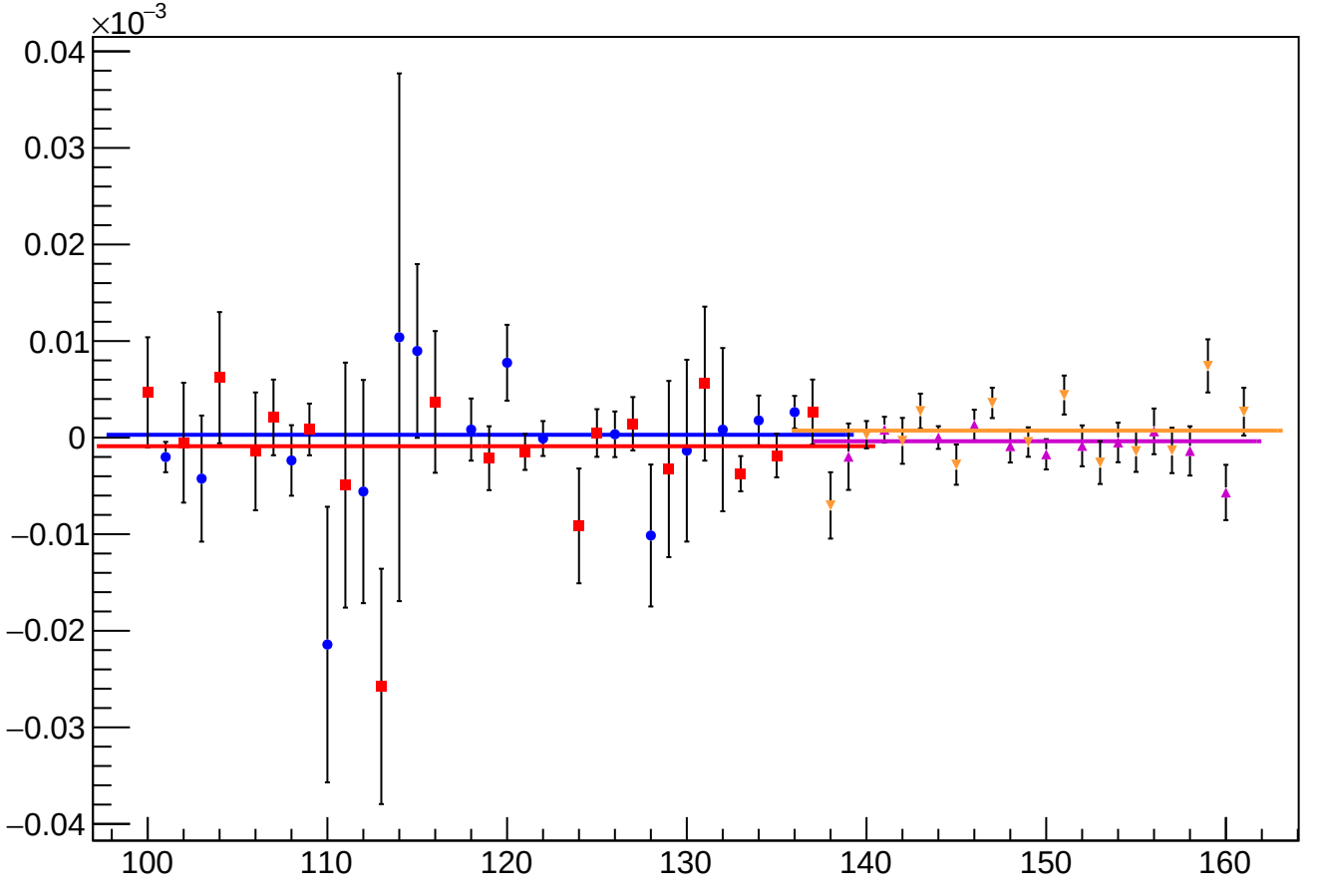
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.007+/-0.008 χ^2/NDF:41.3/31

All: 0.006+/-0.005 χ^2/NDF: 73.2/58


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 29.898+/-0.007 χ²/NDF:453149.6/12
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 27.958+/-0.007 χ²/NDF:628226.1/10
Left: 28.908+/-0.005 χ²/NDF: 1123000.6/23
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 28.561+/-0.005 χ²/NDF:3099522.4/26
Out: 30.523+/-0.005 χ²/NDF:3129232.0/31
All: 29.511+/-0.004 χ²/NDF: 6294490.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/10

Left: 0.000+/-0.000 χ^2/NDF: 36.2/23

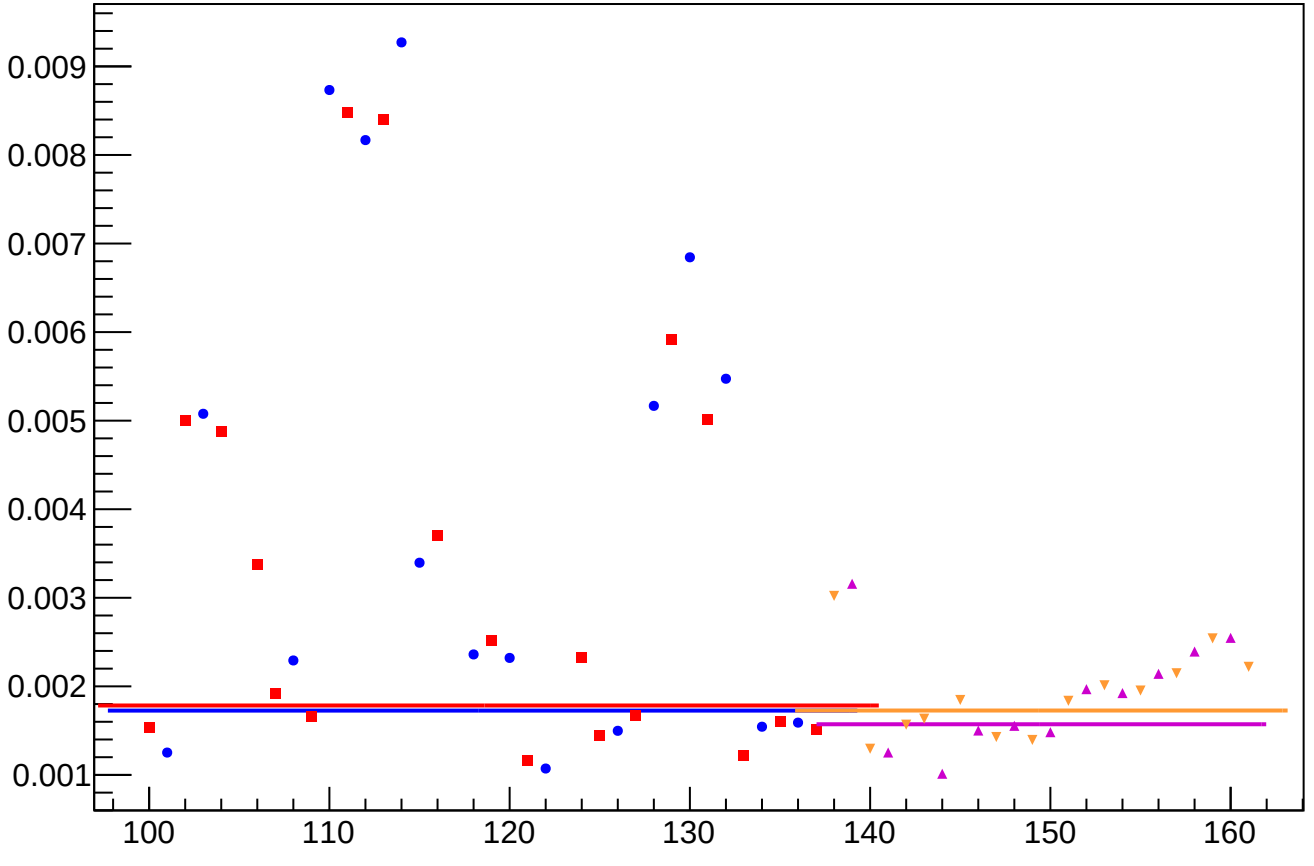
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:22.2/26

Out: 0.000+/-0.000 χ^2/NDF:45.5/31

All: 0.000+/-0.000 χ^2/NDF: 68.0/58

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:1037760.2/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1685412.5/10

Left: 0.002+/-0.000 χ^2/NDF: 2803785.3/23

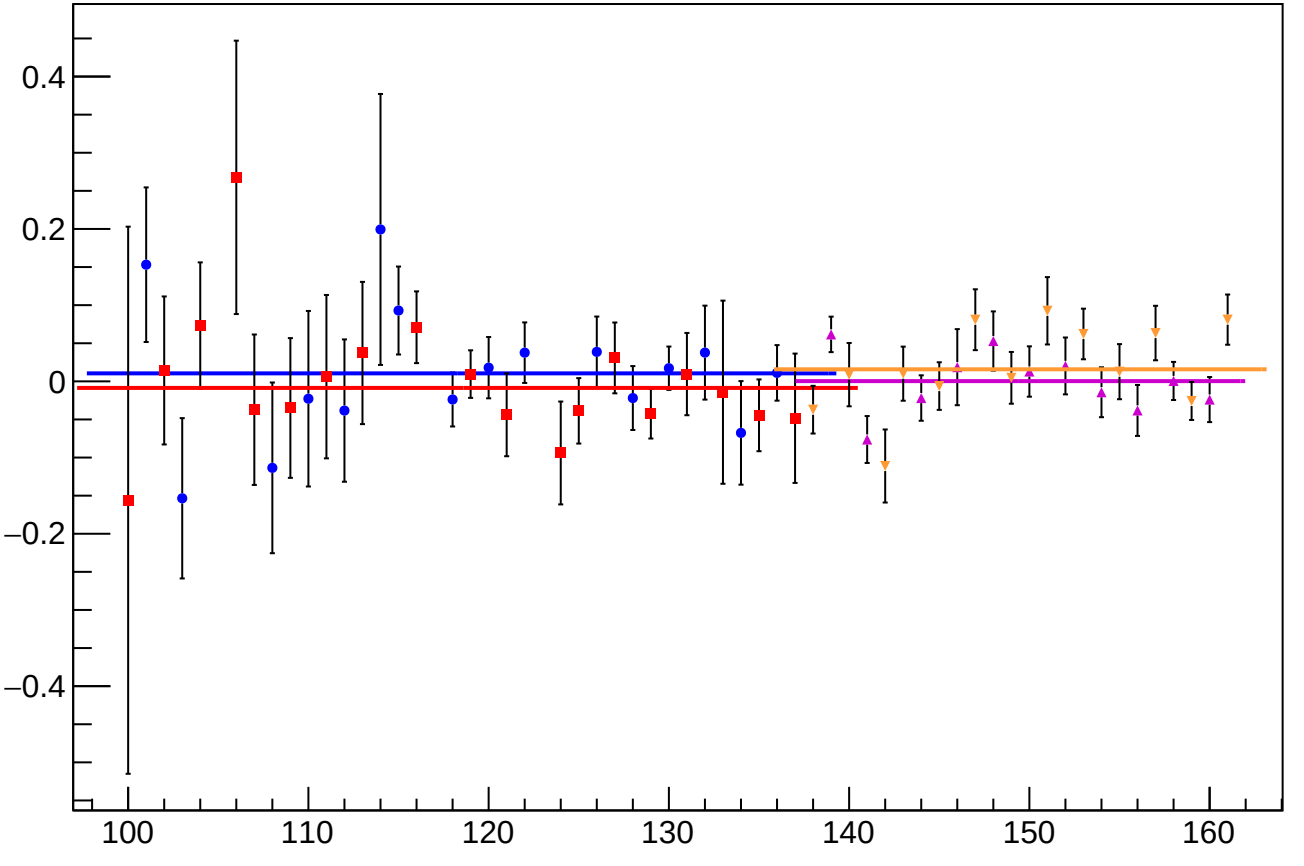
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5672223.5/26

Out: 0.002+/-0.000 χ^2/NDF:4763641.5/31

All: 0.002+/-0.000 χ^2/NDF: 10511780.7/58

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: 0.016+/-0.010 χ^2/NDF:26.6/12

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:18.3/10

Left: 0.008+/-0.007 χ^2/NDF: 46.2/23

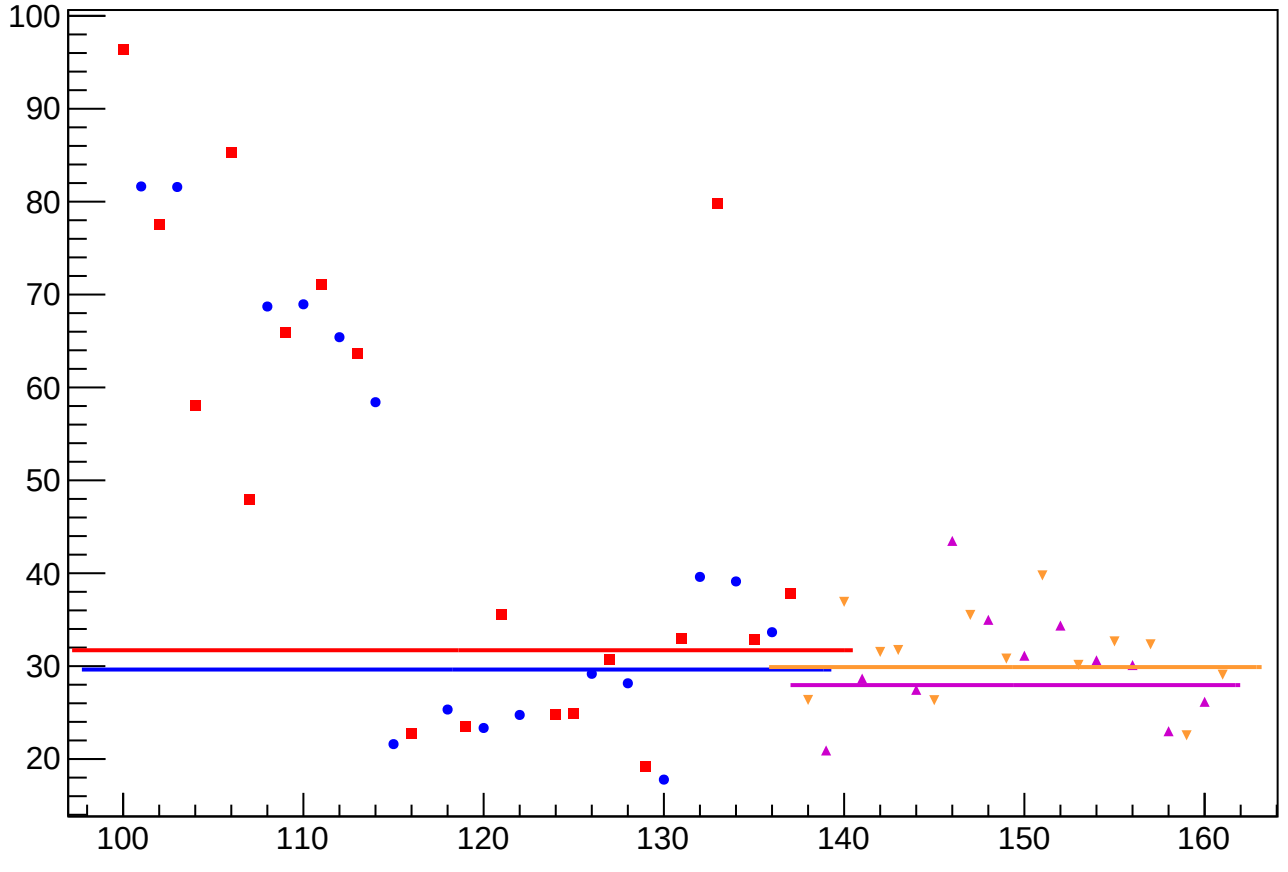
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.007+/-0.008 χ^2/NDF:41.3/31

All: 0.006+/-0.005 χ^2/NDF: 73.2/58

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.898+/-0.007 χ^2/NDF:453174.8/12

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.958+/-0.007 χ^2/NDF:628240.6/10

Left: 28.908+/-0.005 χ^2/NDF: 1123039.3/23

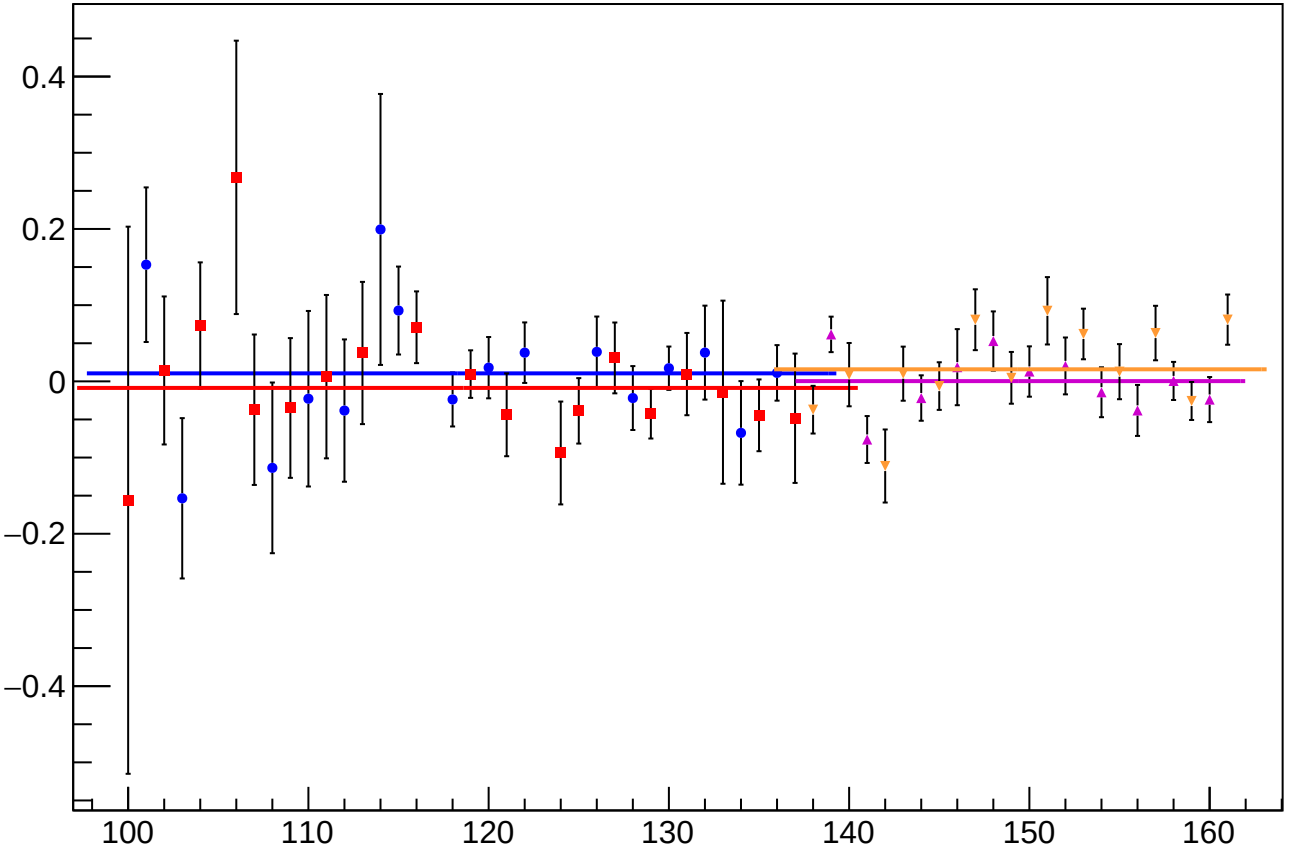
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.561+/-0.005 χ^2/NDF:3099699.4/26

Out: 30.523+/-0.005 χ^2/NDF:3129385.3/31

All: 29.511+/-0.004 χ^2/NDF: 6294821.7/58

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: 0.016+/-0.010 χ^2/NDF:26.6/12

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:18.3/10

Left: 0.008+/-0.007 χ^2/NDF: 46.2/23

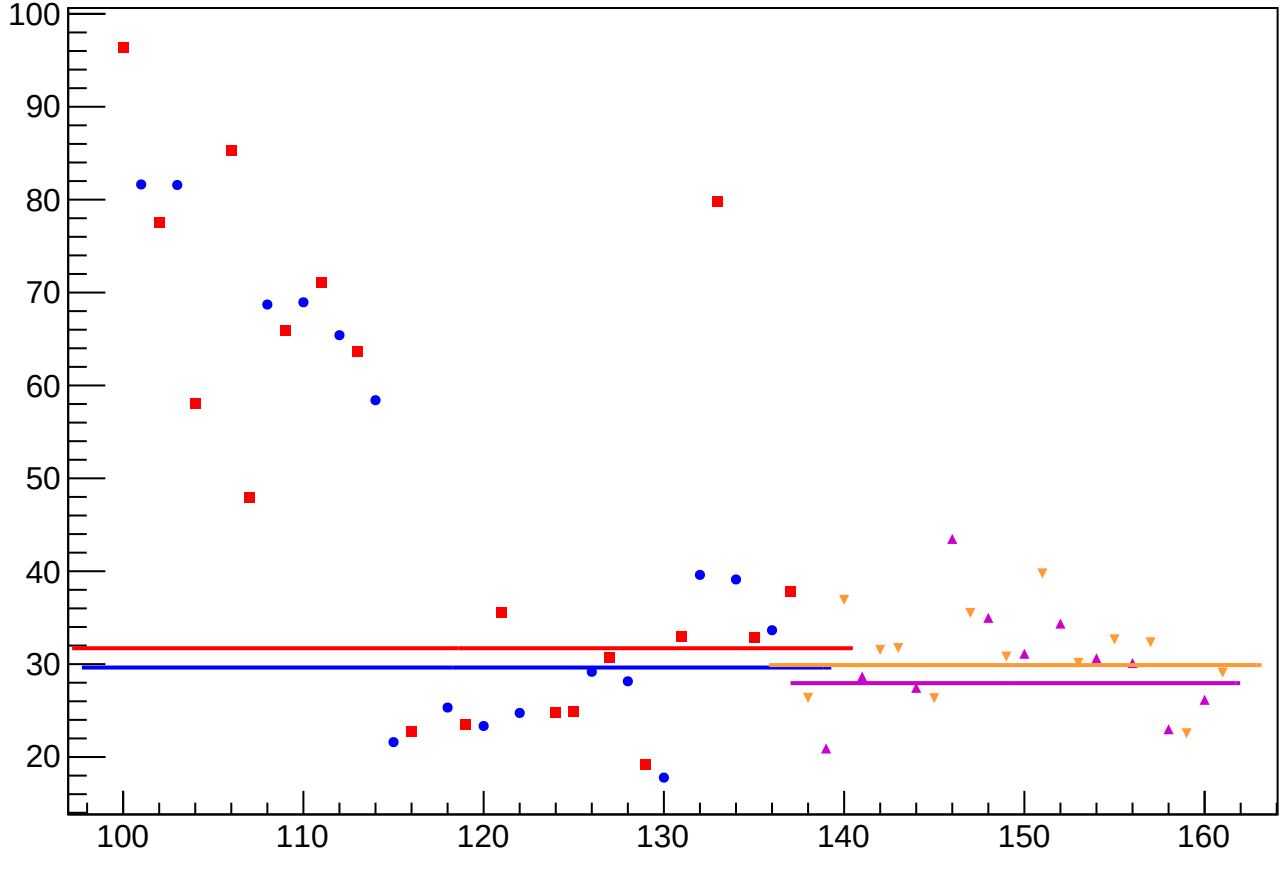
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.008 χ^2/NDF:31.8/26

Out: 0.007+/-0.008 χ^2/NDF:41.3/31

All: 0.006+/-0.005 χ^2/NDF: 73.2/58

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.898+/-0.007 χ^2/NDF:453174.8/12

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.958+/-0.007 χ^2/NDF:628240.6/10

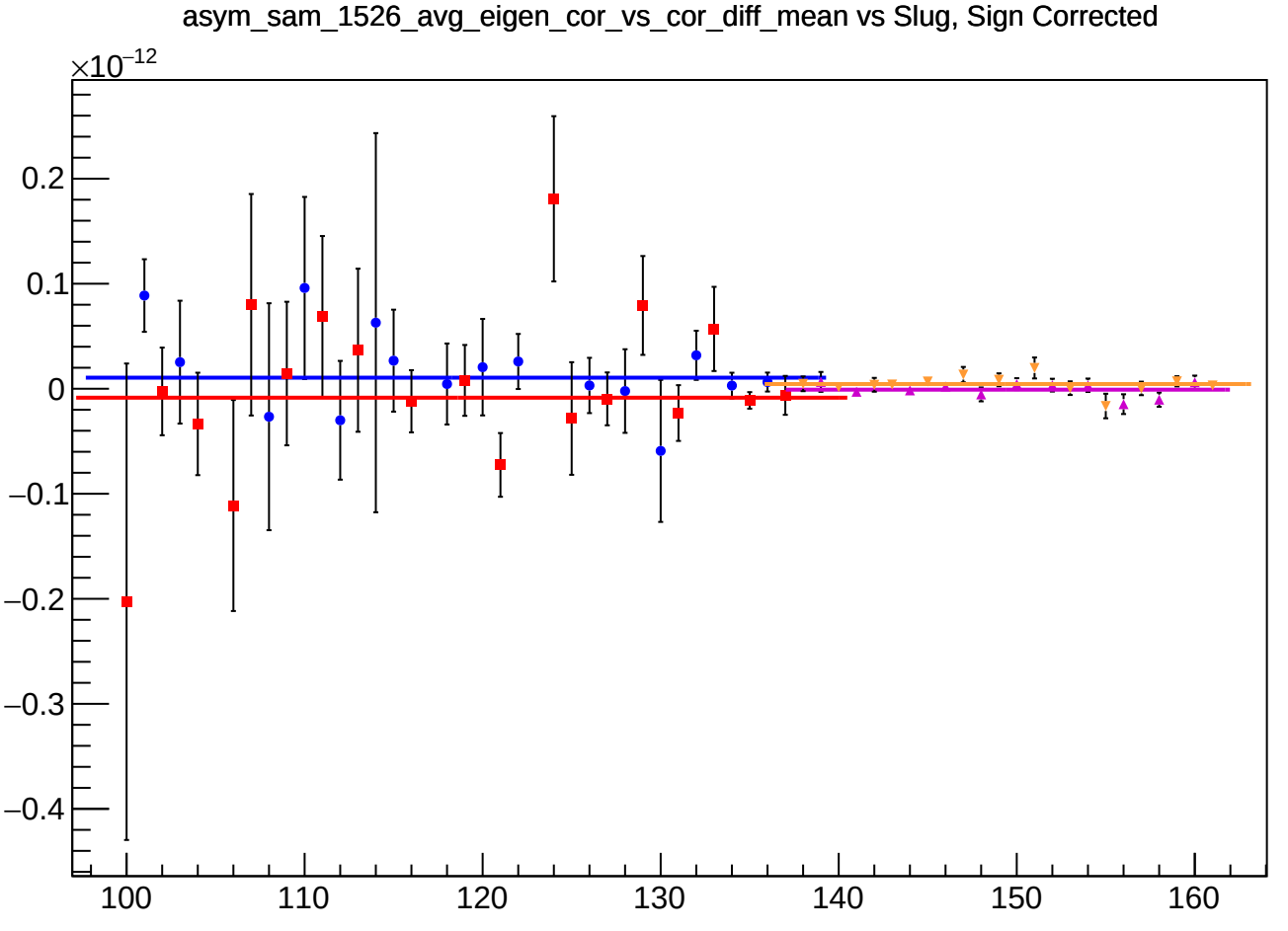
Left: 28.908+/-0.005 χ^2/NDF: 1123039.3/23

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.561+/-0.005 χ^2/NDF:3099699.4/26

Out: 30.523+/-0.005 χ^2/NDF:3129385.3/31

All: 29.511+/-0.004 χ^2/NDF: 6294821.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/10

Left: 0.000+/-0.000 χ^2/NDF: 25.0/23

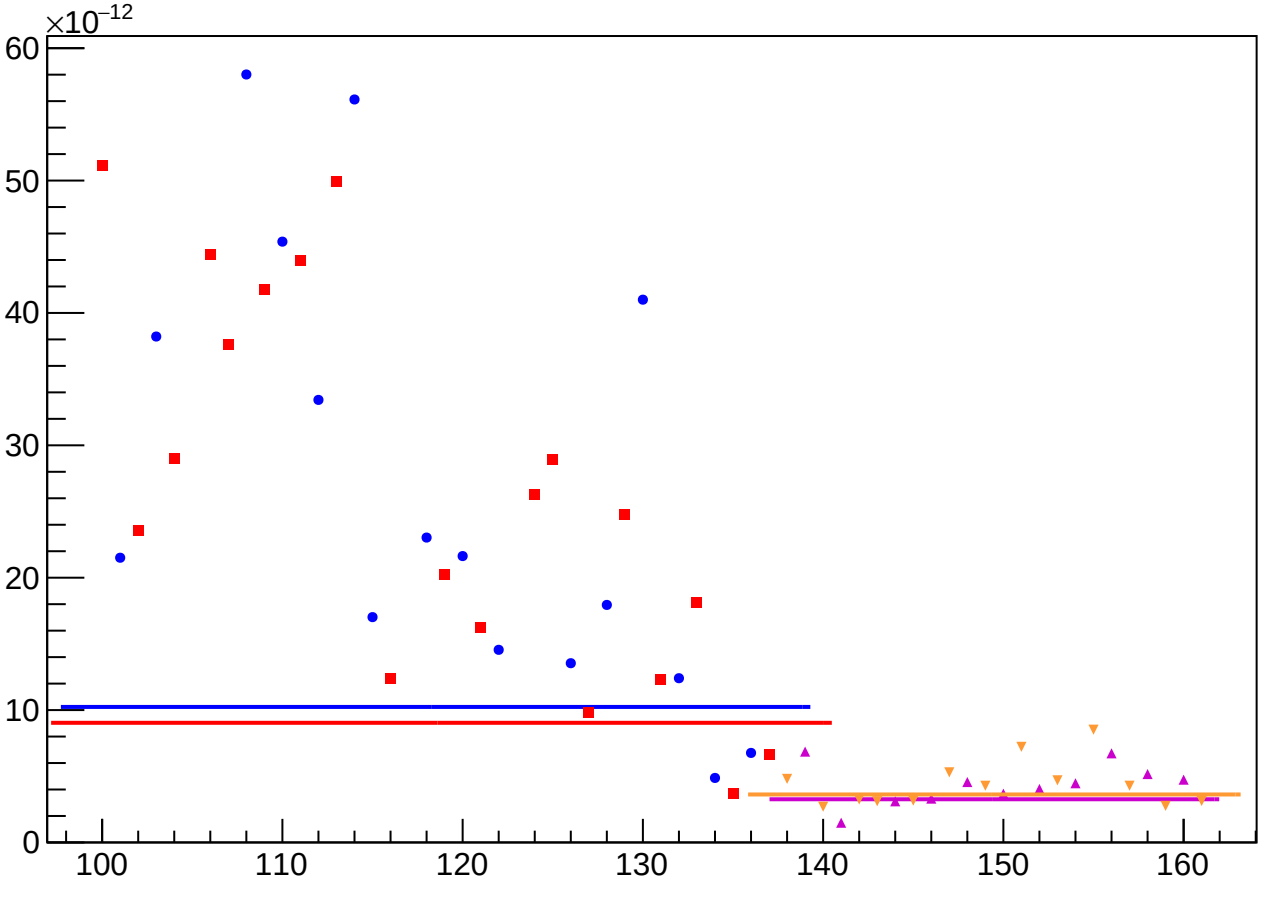
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: -0.000+/-0.000 χ^2/NDF:22.7/26

Out: 0.000+/-0.000 χ^2/NDF:35.6/31

All: 0.000+/-0.000 χ^2/NDF: 61.6/58

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:1134015.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1885520.6/10

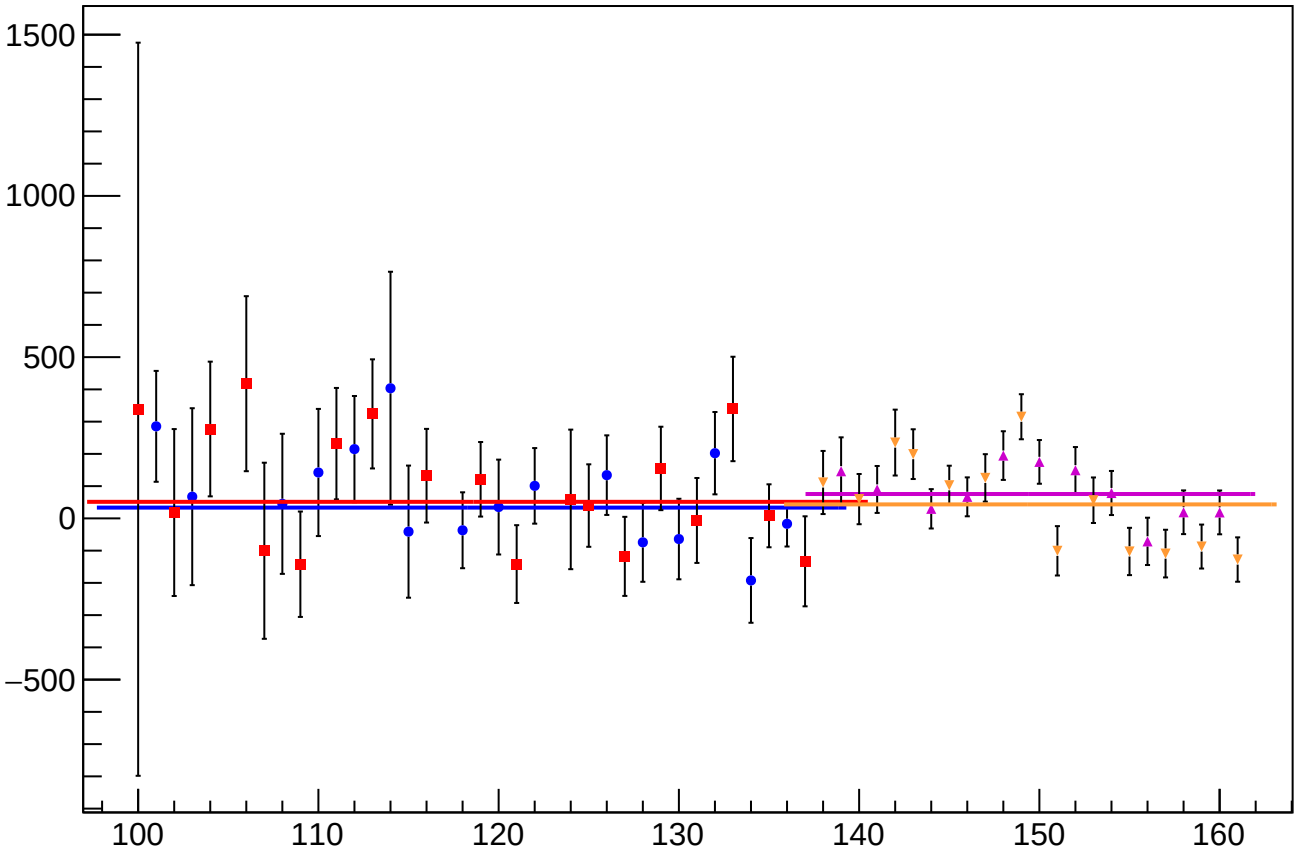
Left: 0.000+/-0.000 χ^2/NDF: 3074907.0/23

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7936024.9/26

Out: 0.000+/-0.000 χ^2/NDF:7213305.2/31

All: 0.000+/-0.000 χ^2/NDF: 15183448.7/58



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.378+/-20.581 χ^2/NDF:47.1/12

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 75.574+/-21.111 χ^2/NDF:12.2/10

Left: 59.066+/-14.737 χ^2/NDF: 60.5/23

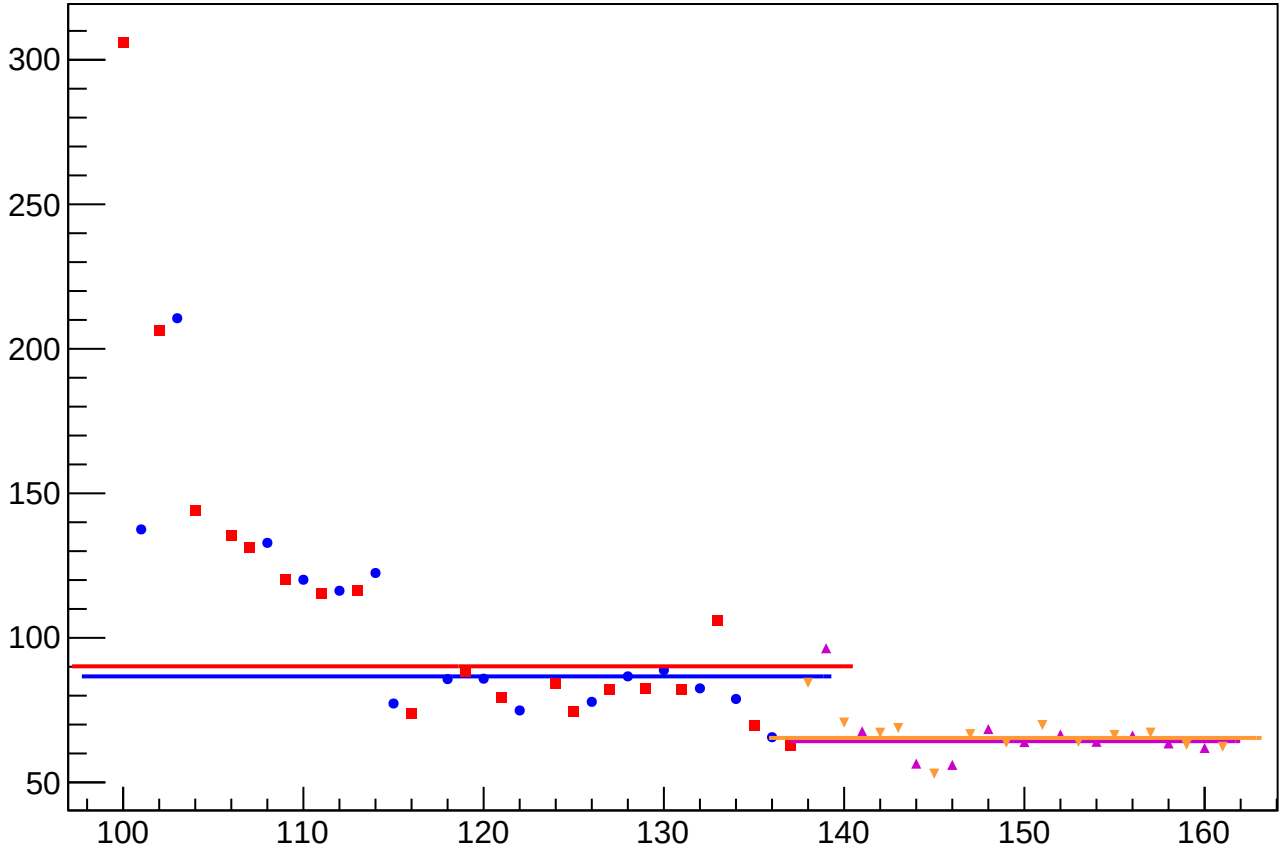
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 63.788+/-17.917 χ^2/NDF:26.1/26

Out: 45.435+/-17.721 χ^2/NDF:66.7/31

All: 54.511+/-12.600 χ^2/NDF: 93.4/58

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

Left: 64.829+/-0.010 χ^2/NDF: 466584.7/23

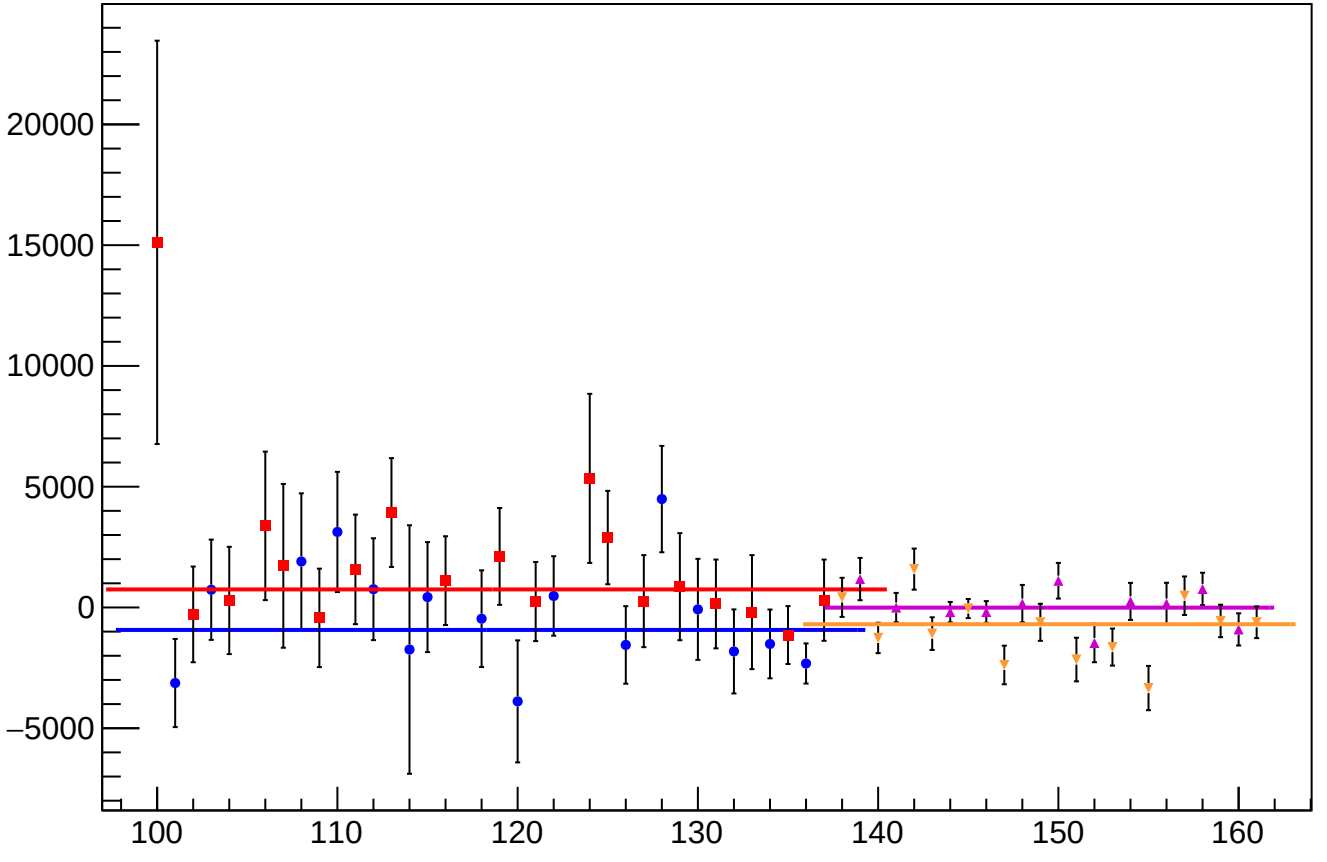
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 70.522+/-0.013 χ^2/NDF:1942726.6/26

Out: 71.782+/-0.013 χ^2/NDF:2089743.4/31

All: 71.159+/-0.009 χ^2/NDF: 4037467.4/58

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -693.122+/-190.600 χ^2/NDF:32.1/12

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -7.086+/-191.795 χ^2/NDF:11.2/10

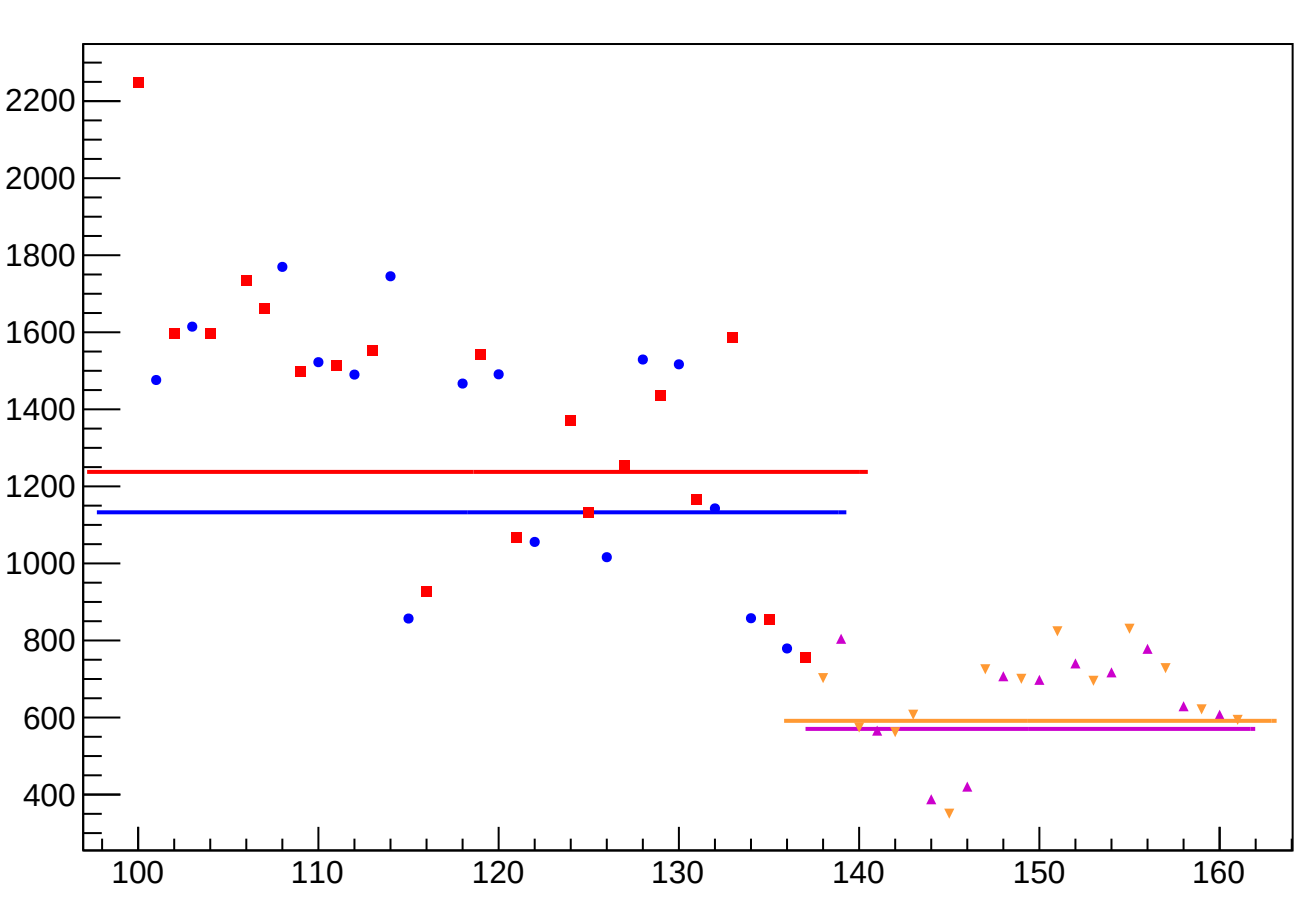
Left: -352.247+/-135.195 χ^2/NDF: 49.7/23

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -153.916+/-175.874 χ^2/NDF:33.4/26

Out: -488.137+/-176.517 χ^2/NDF:53.2/31

All: -320.417+/-124.589 χ^2/NDF: 88.4/58



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251924.6/12

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 570.470+/-0.136 χ^2/NDF:1162457.3/10

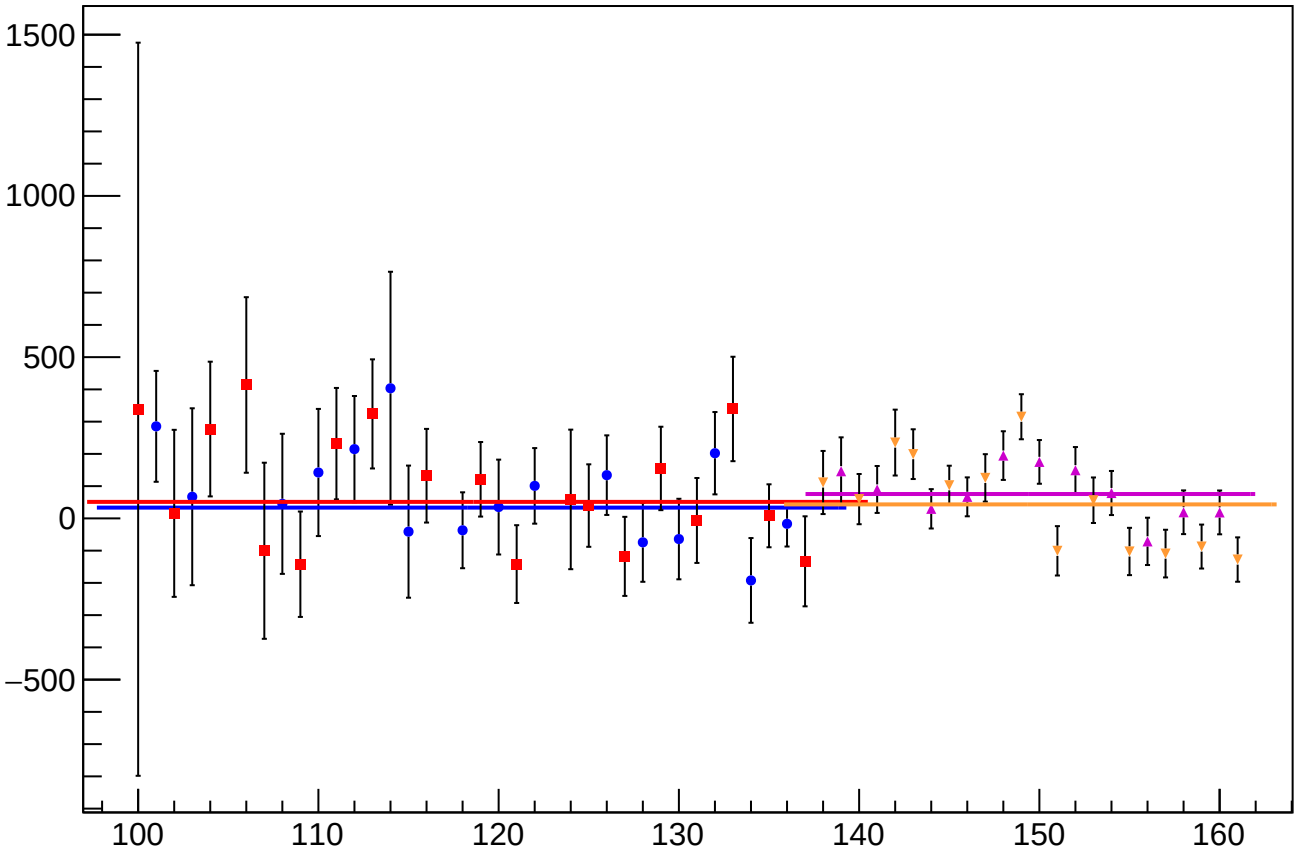
Left: 581.007+/-0.096 χ^2/NDF: 2426378.8/23

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 659.933+/-0.124 χ^2/NDF:5021272.5/26

Out: 683.376+/-0.125 χ^2/NDF:5418767.5/31

All: 671.612+/-0.088 χ^2/NDF: 10457741.6/58



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.381+/-20.581 χ^2/NDF:47.1/12

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 75.574+/-21.111 χ^2/NDF:12.2/10

Left: 59.068+/-14.737 χ^2/NDF: 60.5/23

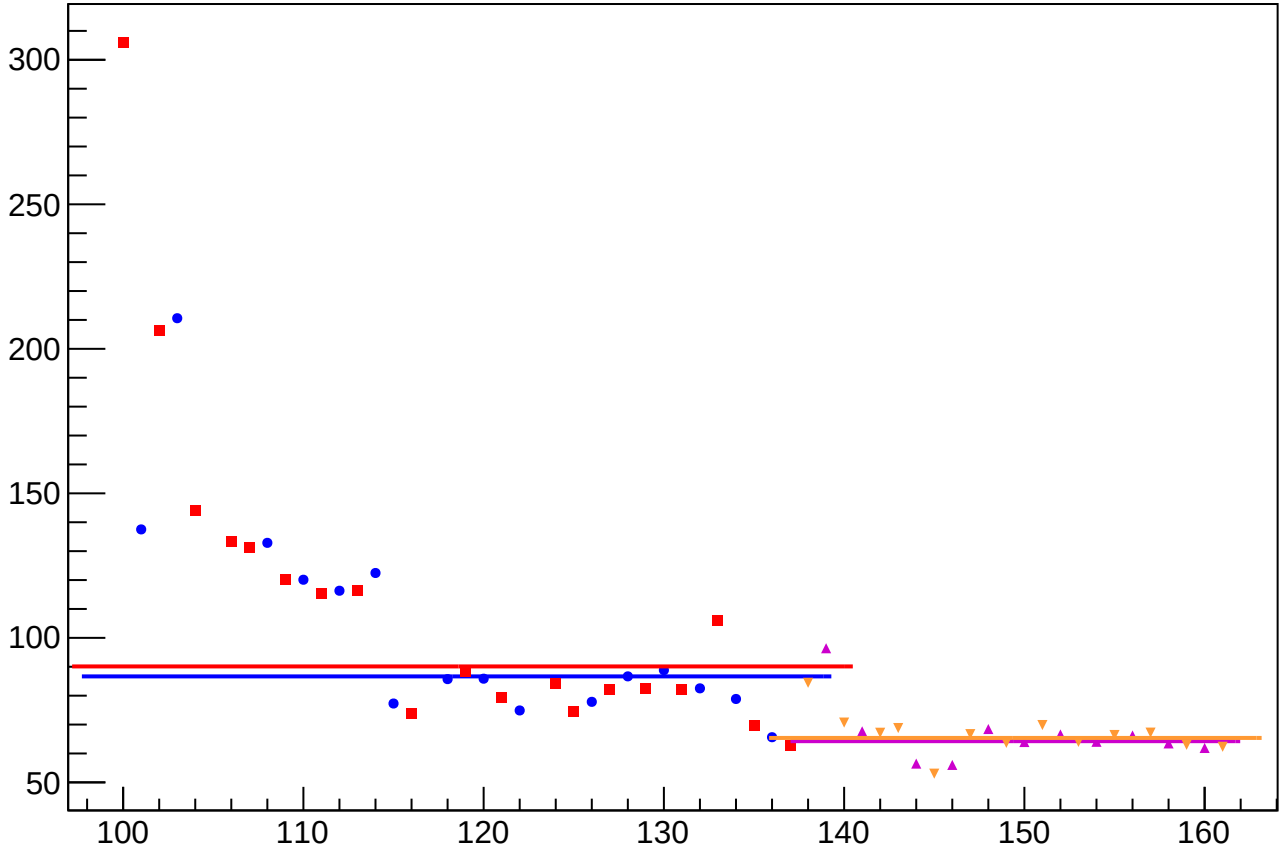
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.786+/-17.917 χ^2/NDF:26.1/26

Out: 45.399+/-17.722 χ^2/NDF:66.7/31

All: 54.491+/-12.600 χ^2/NDF: 93.3/58

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

Left: 64.829+/-0.010 χ^2/NDF: 466584.7/23

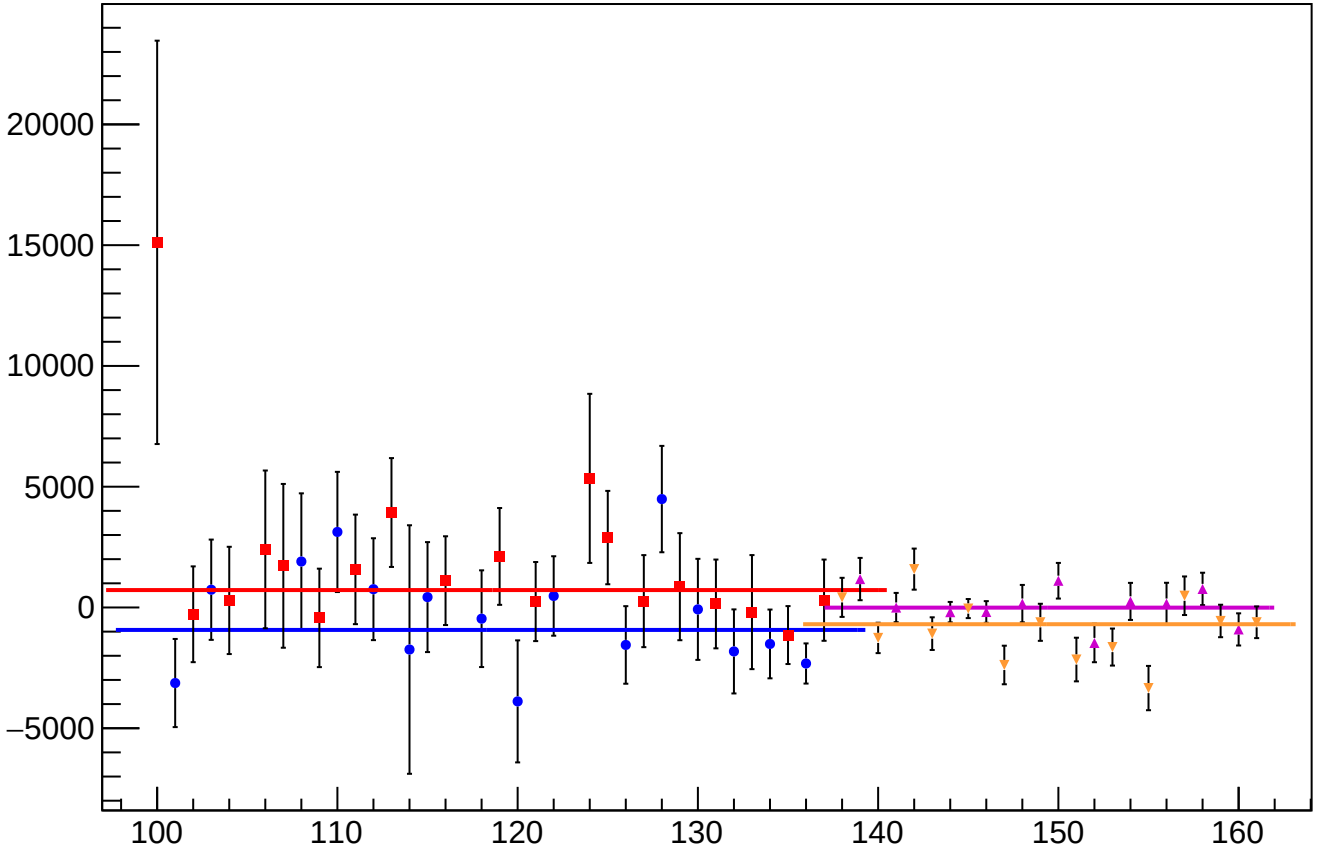
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.522+/-0.013 χ^2/NDF:1942729.1/26

Out: 71.771+/-0.013 χ^2/NDF:2082740.0/31

All: 71.153+/-0.009 χ^2/NDF: 4030386.2/58

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -693.116+/-190.600 χ^2/NDF:32.1/12

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -7.084+/-191.795 χ^2/NDF:11.2/10

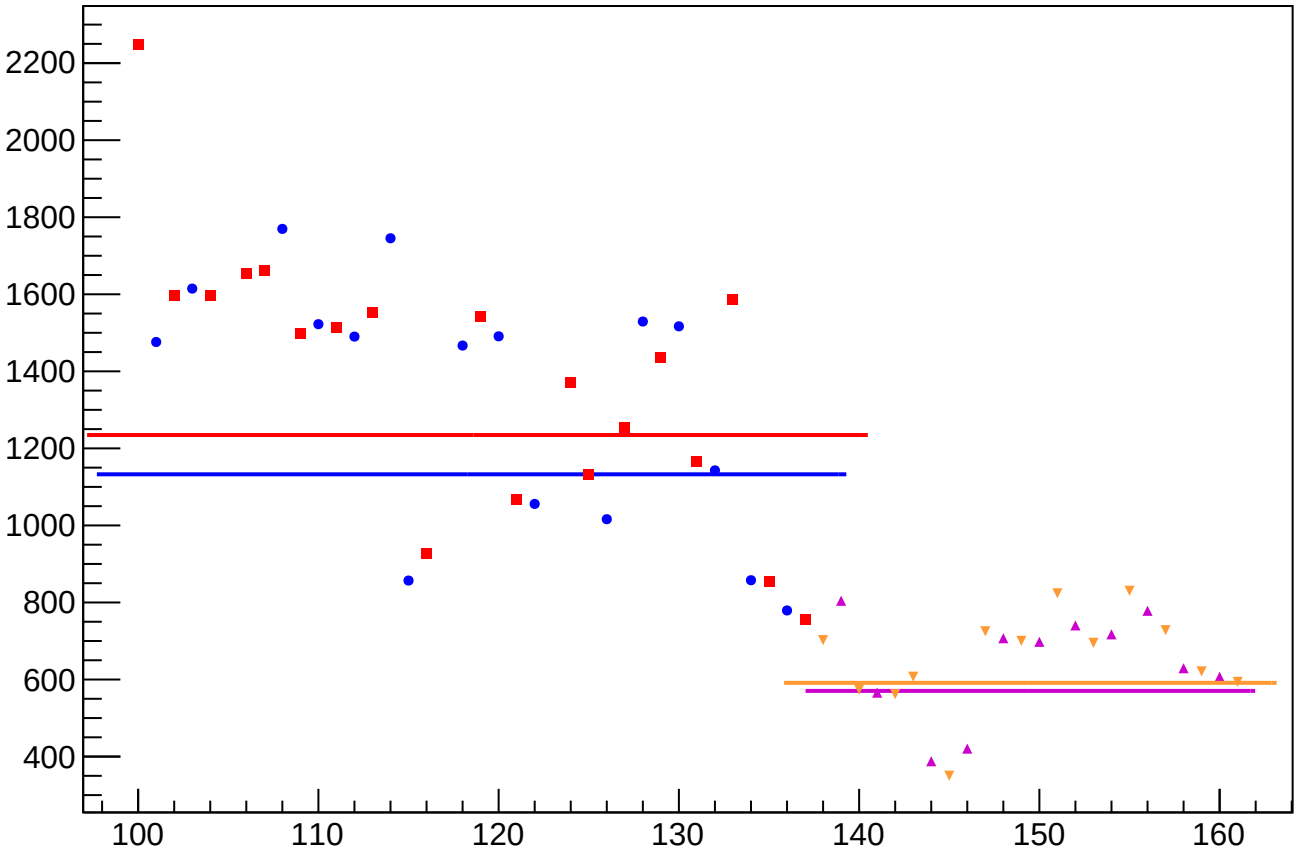
Left: -352.243+/-135.195 χ^2/NDF: 49.7/23

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -153.908+/-175.874 χ^2/NDF:33.4/26

Out: -492.387+/-176.551 χ^2/NDF:52.4/31

All: -322.498+/-124.601 χ^2/NDF: 87.6/58



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251927.6/12

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

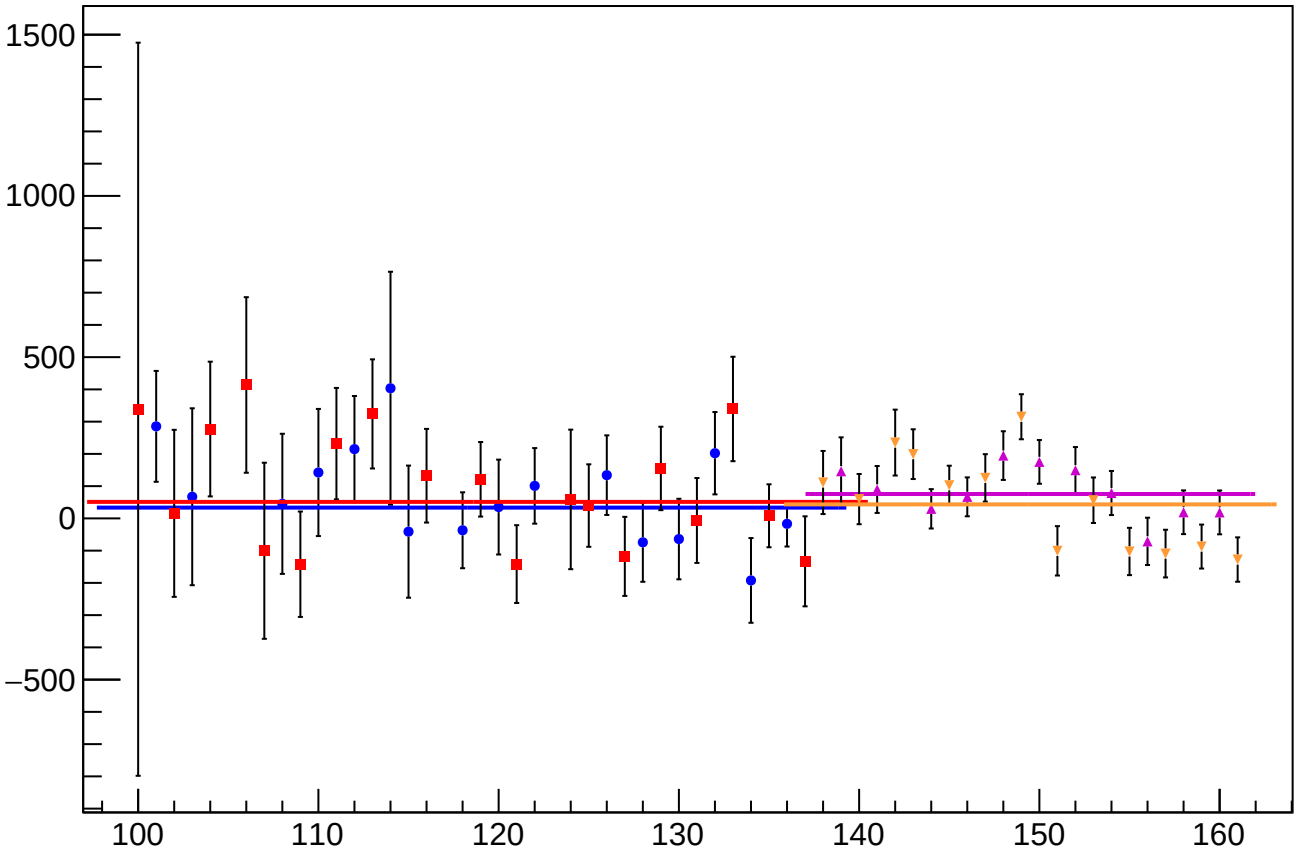
Left: 581.007+/-0.096 χ^2/NDF: 2426382.1/23

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 659.933+/-0.124 χ^2/NDF:5021308.8/26

Out: 682.752+/-0.125 χ^2/NDF:5363045.1/31

All: 671.299+/-0.088 χ^2/NDF: 10401122.5/58



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.381+/-20.581 χ^2/NDF:47.1/12

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 75.574+/-21.111 χ^2/NDF:12.2/10

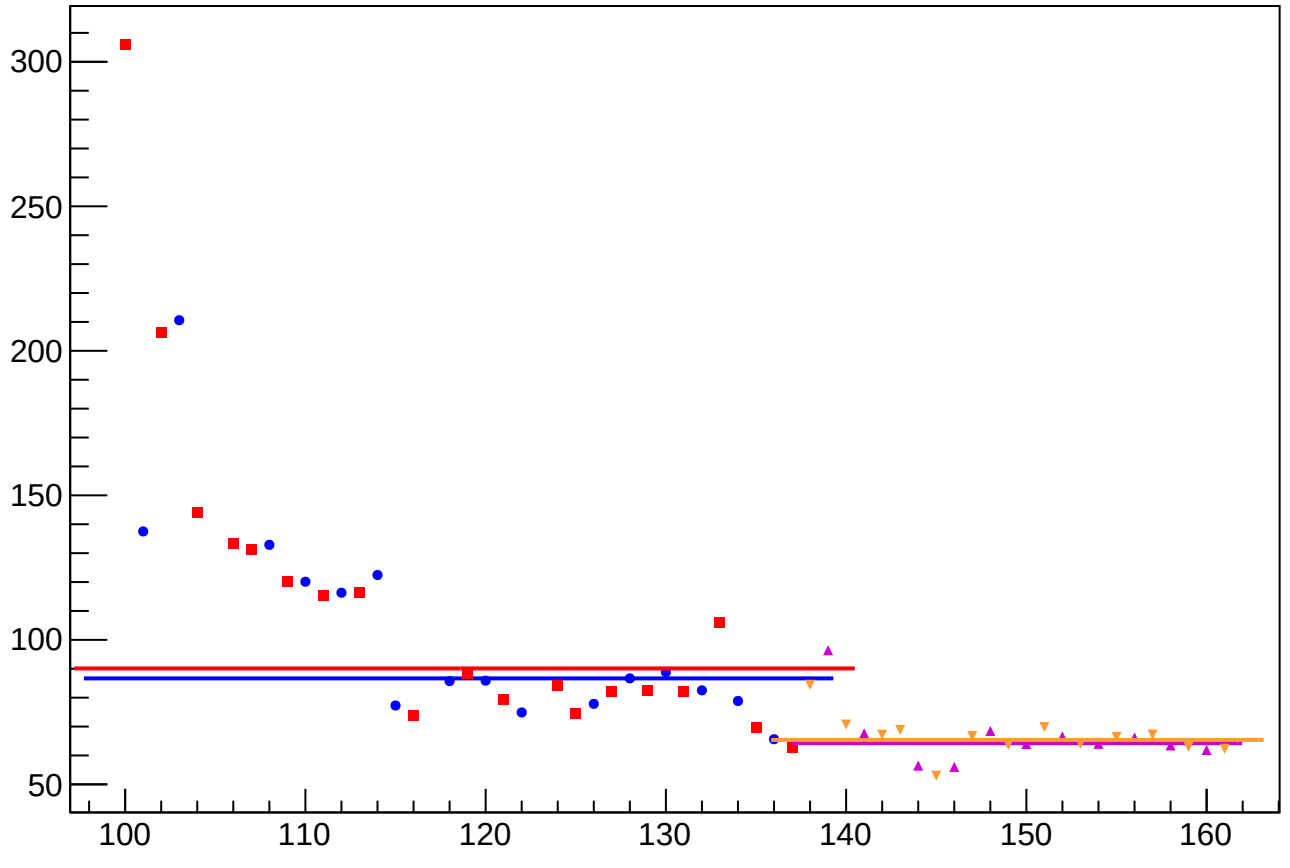
Left: 59.068+/-14.737 χ^2/NDF: 60.5/23

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 63.786+/-17.917 χ^2/NDF:26.1/26

Out: 45.399+/-17.722 χ^2/NDF:66.7/31

All: 54.491+/-12.600 χ^2/NDF: 93.3/58



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

Left: 64.829+/-0.010 χ^2/NDF: 466584.7/23

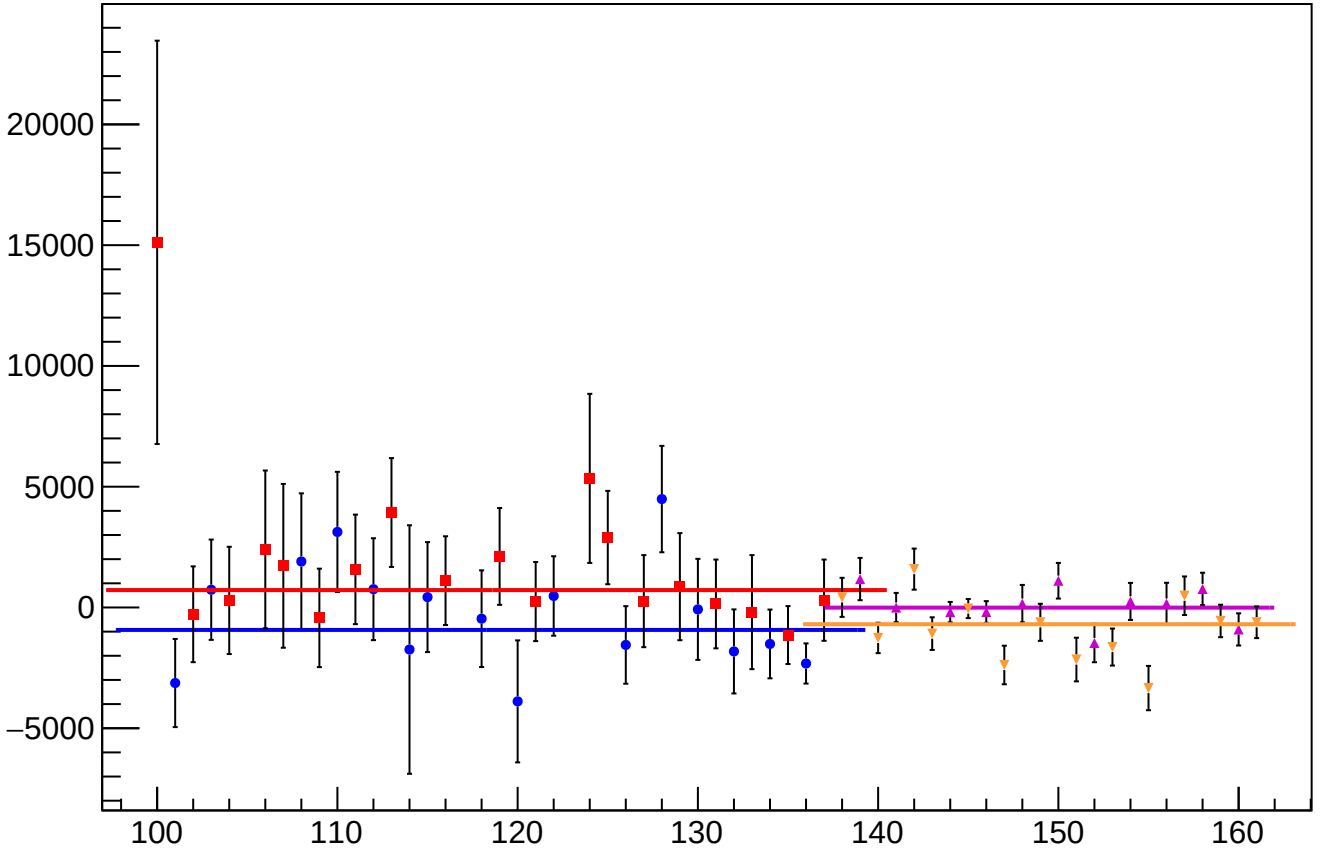
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.522+/-0.013 χ^2/NDF:1942729.1/26

Out: 71.771+/-0.013 χ^2/NDF:2082740.0/31

All: 71.153+/-0.009 χ^2/NDF: 4030386.2/58

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: -693.116+/-190.600 χ^2/NDF:32.1/12

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -7.084+/-191.795 χ^2/NDF:11.2/10

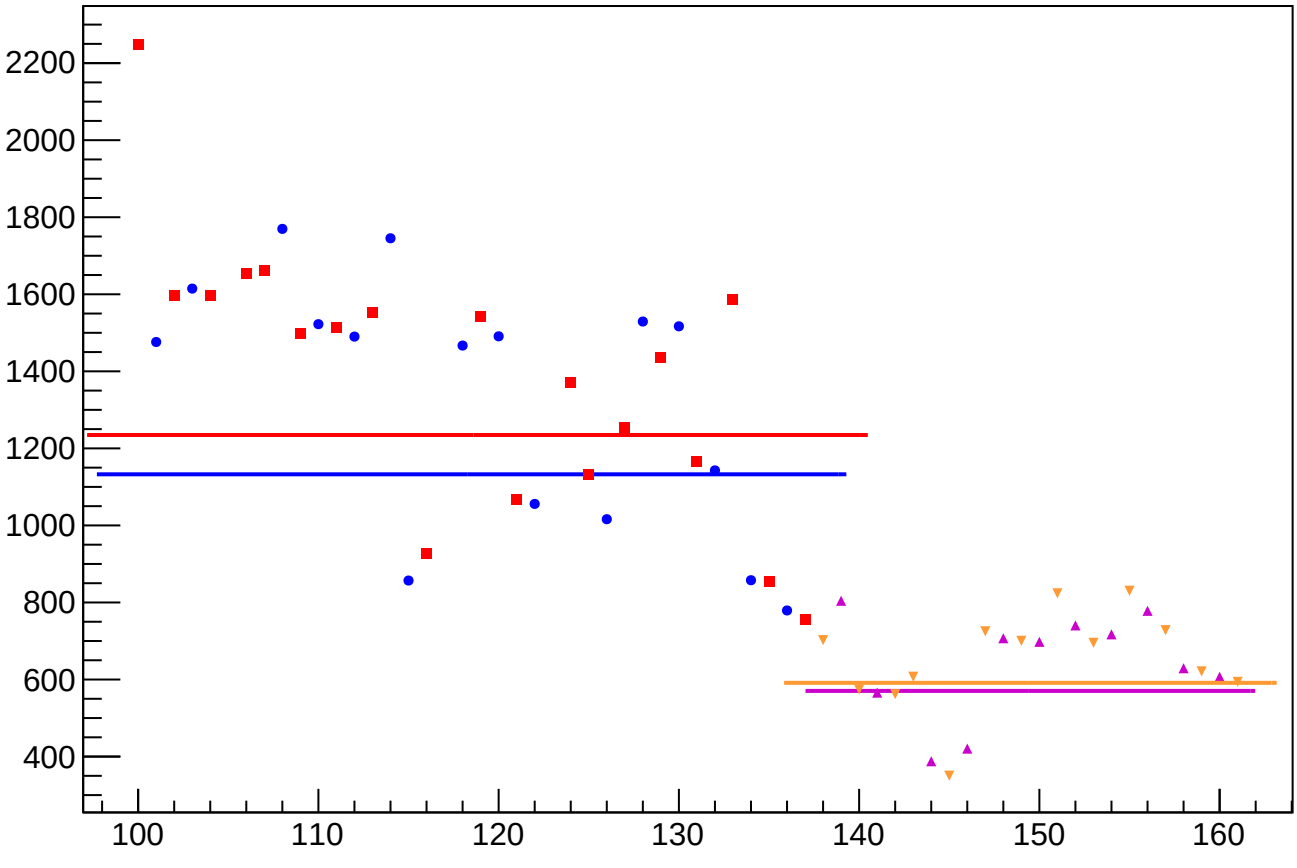
Left: -352.243+/-135.195 χ^2/NDF: 49.7/23

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -153.908+/-175.874 χ^2/NDF:33.4/26

Out: -492.387+/-176.551 χ^2/NDF:52.4/31

All: -322.498+/-124.601 χ^2/NDF: 87.6/58



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251927.6/12

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

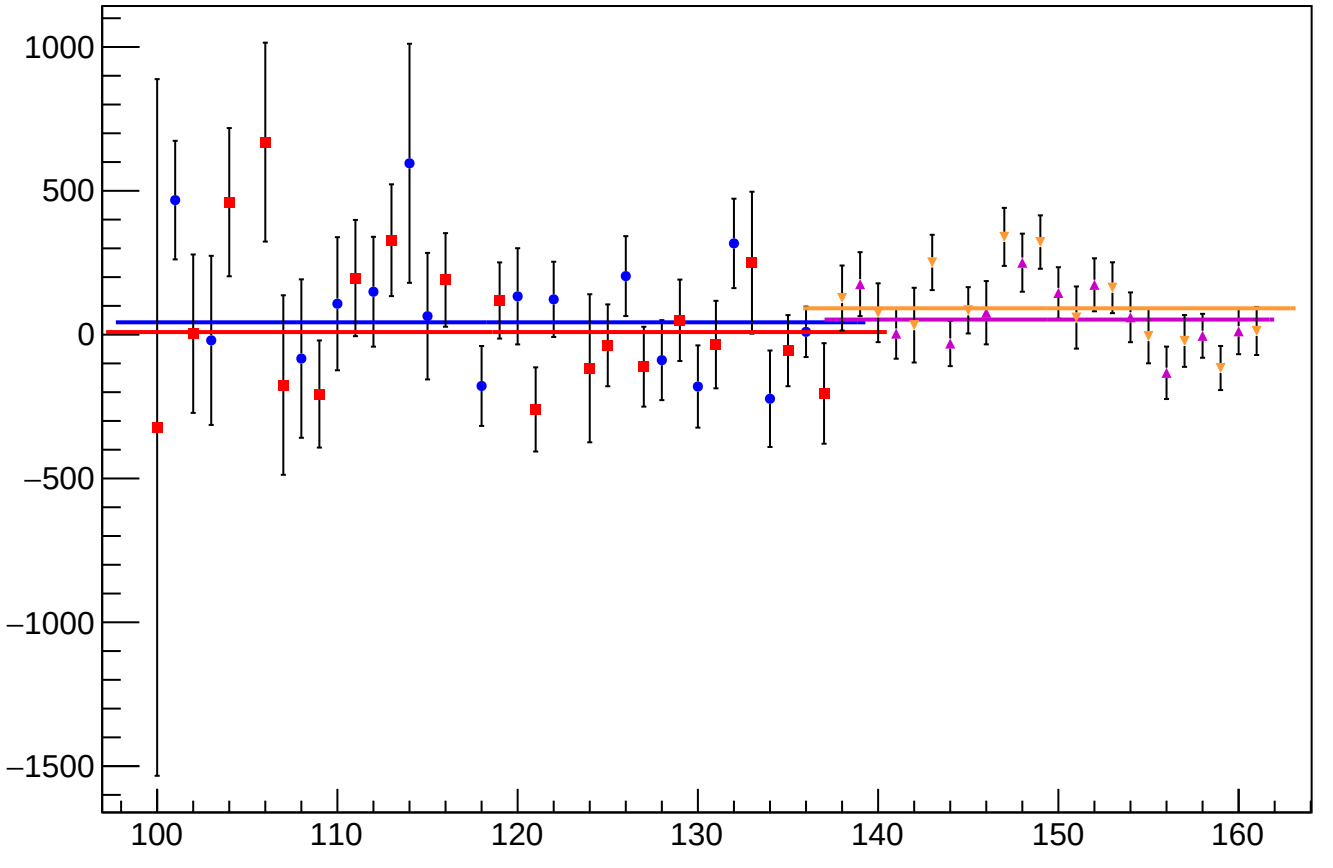
Left: 581.007+/-0.096 χ^2/NDF: 2426382.1/23

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 659.933+/-0.124 χ^2/NDF:5021308.8/26

Out: 682.752+/-0.125 χ^2/NDF:5363045.1/31

All: 671.299+/-0.088 χ^2/NDF: 10401122.5/58



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 91.663+/-26.060 χ^2/NDF:26.9/12

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.399+/-26.913 χ^2/NDF:14.3/10

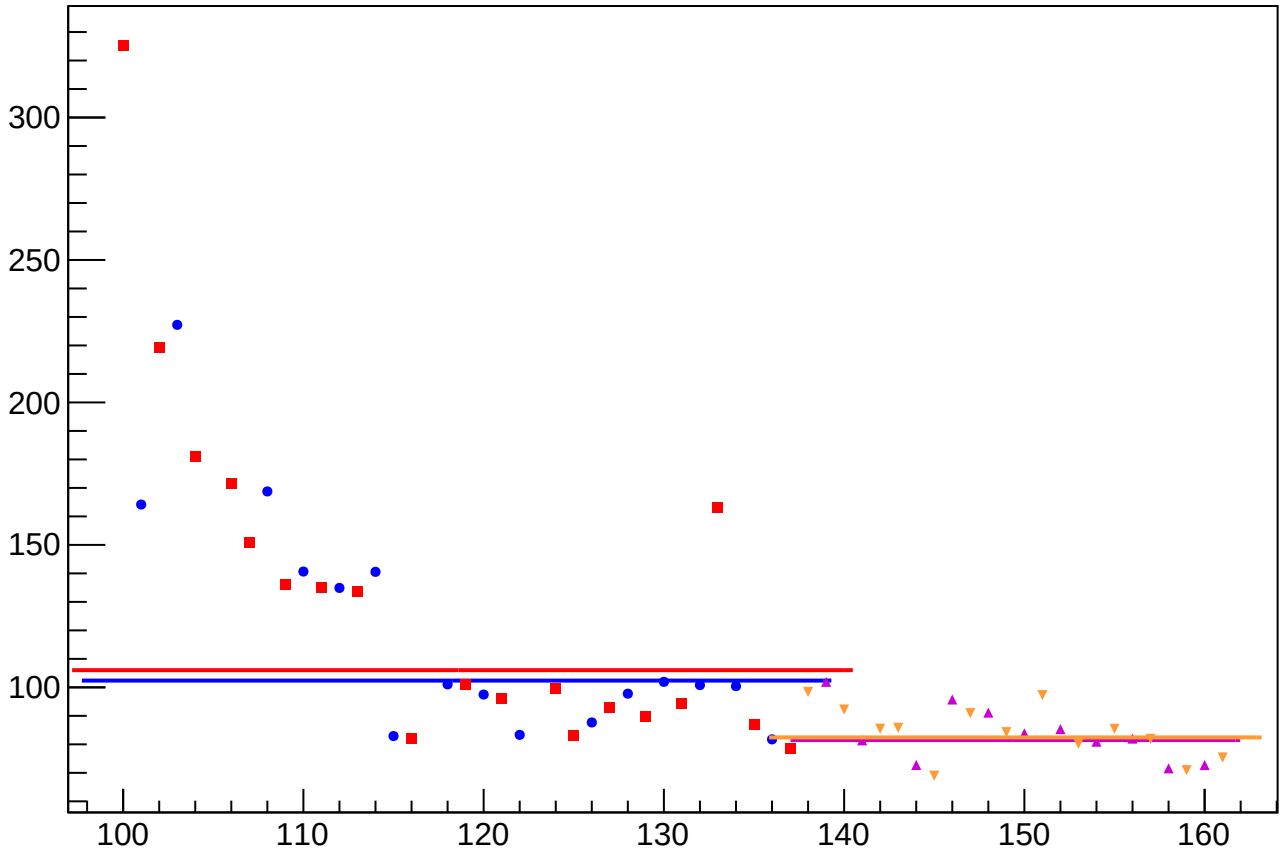
Left: 72.662+/-18.722 χ^2/NDF: 42.3/23

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 49.438+/-22.320 χ^2/NDF:34.6/26

Out: 67.922+/-22.003 χ^2/NDF:51.1/31

All: 58.812+/-15.669 χ^2/NDF: 86.1/58



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 82.434+/-0.018 χ^2/NDF:232806.7/12

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.512+/-0.019 χ^2/NDF:207176.2/10

Left: 81.988+/-0.013 χ^2/NDF: 441195.1/23

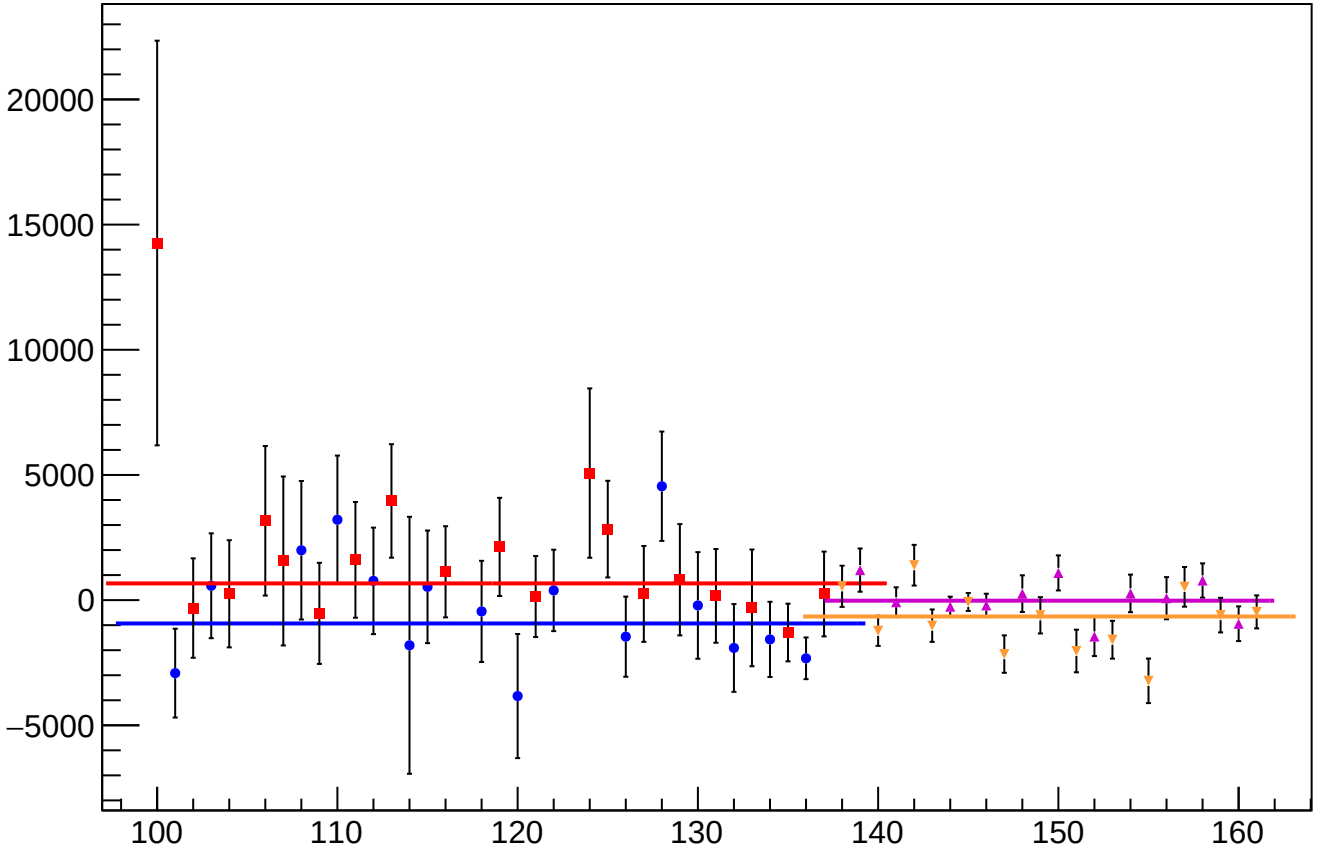
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 88.026+/-0.016 χ^2/NDF:1564823.9/26

Out: 89.211+/-0.016 χ^2/NDF:1895023.2/31

All: 88.627+/-0.011 χ^2/NDF: 3462704.9/58

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -654.219+/-182.721 χ^2/NDF:31.2/12

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -22.515+/-189.088 χ^2/NDF:11.9/10

Left: -349.180+/-131.397 χ^2/NDF: 48.8/23

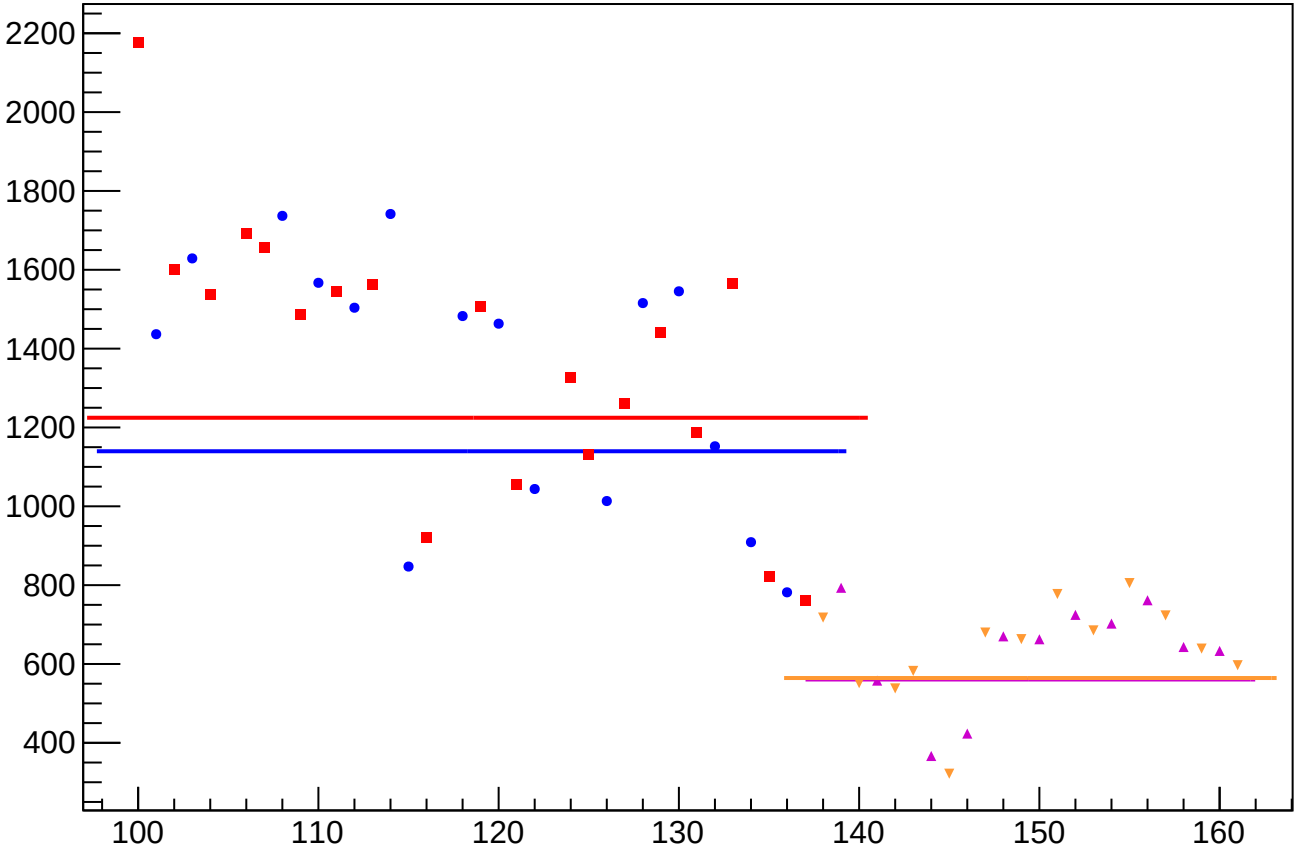
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -162.883+/-173.891 χ^2/NDF:33.9/26

Out: -476.111+/-169.975 χ^2/NDF:51.7/31

All: -323.064+/-121.552 χ^2/NDF: 87.3/58

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 564.399+/-0.129 χ^2/NDF:1504008.9/12

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 560.637+/-0.134 χ^2/NDF:1201425.0/10

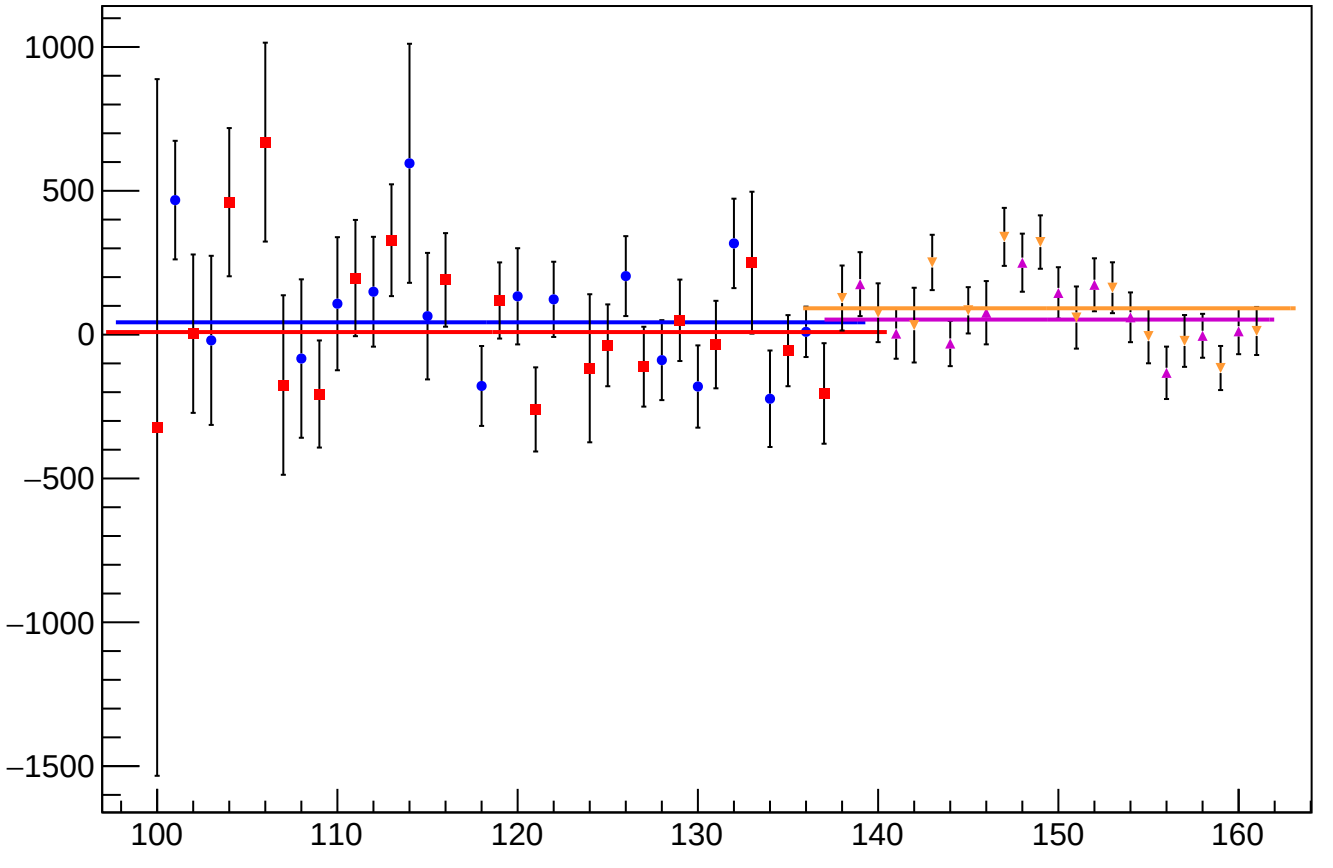
Left: 562.582+/-0.093 χ^2/NDF: 2705843.4/23

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 649.964+/-0.123 χ^2/NDF:5188056.8/26

Out: 653.301+/-0.120 χ^2/NDF:5942497.4/31

All: 651.670+/-0.086 χ^2/NDF: 11130930.8/58



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 91.664+/-26.061 χ^2/NDF:26.9/12

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.397+/-26.913 χ^2/NDF:14.3/10

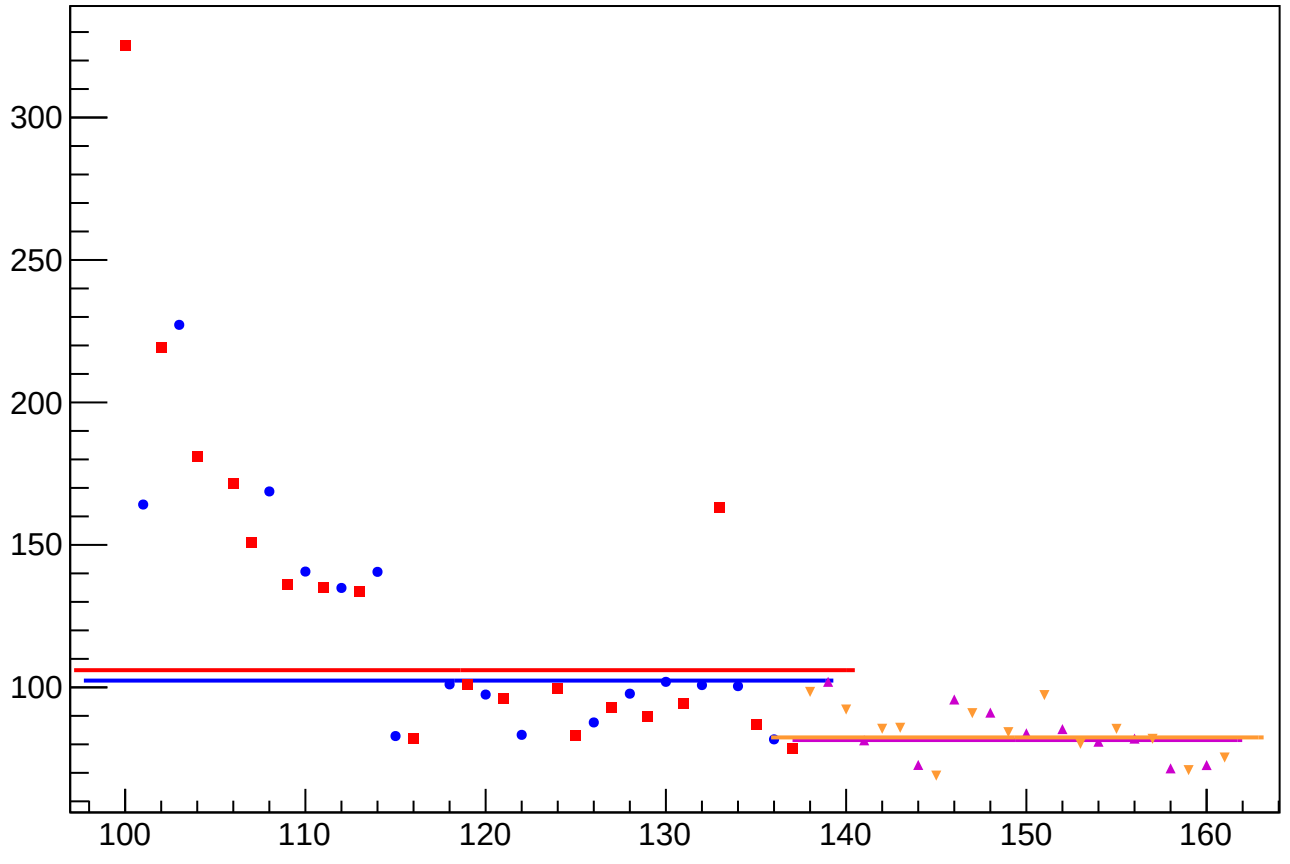
Left: 72.662+/-18.722 χ^2/NDF: 42.3/23

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 49.437+/-22.320 χ^2/NDF:34.6/26

Out: 67.922+/-22.003 χ^2/NDF:51.1/31

All: 58.812+/-15.669 χ^2/NDF: 86.1/58



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 82.434+/-0.018 χ^2/NDF:232805.0/12

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.512+/-0.019 χ^2/NDF:207181.0/10

Left: 81.988+/-0.013 χ^2/NDF: 441198.5/23

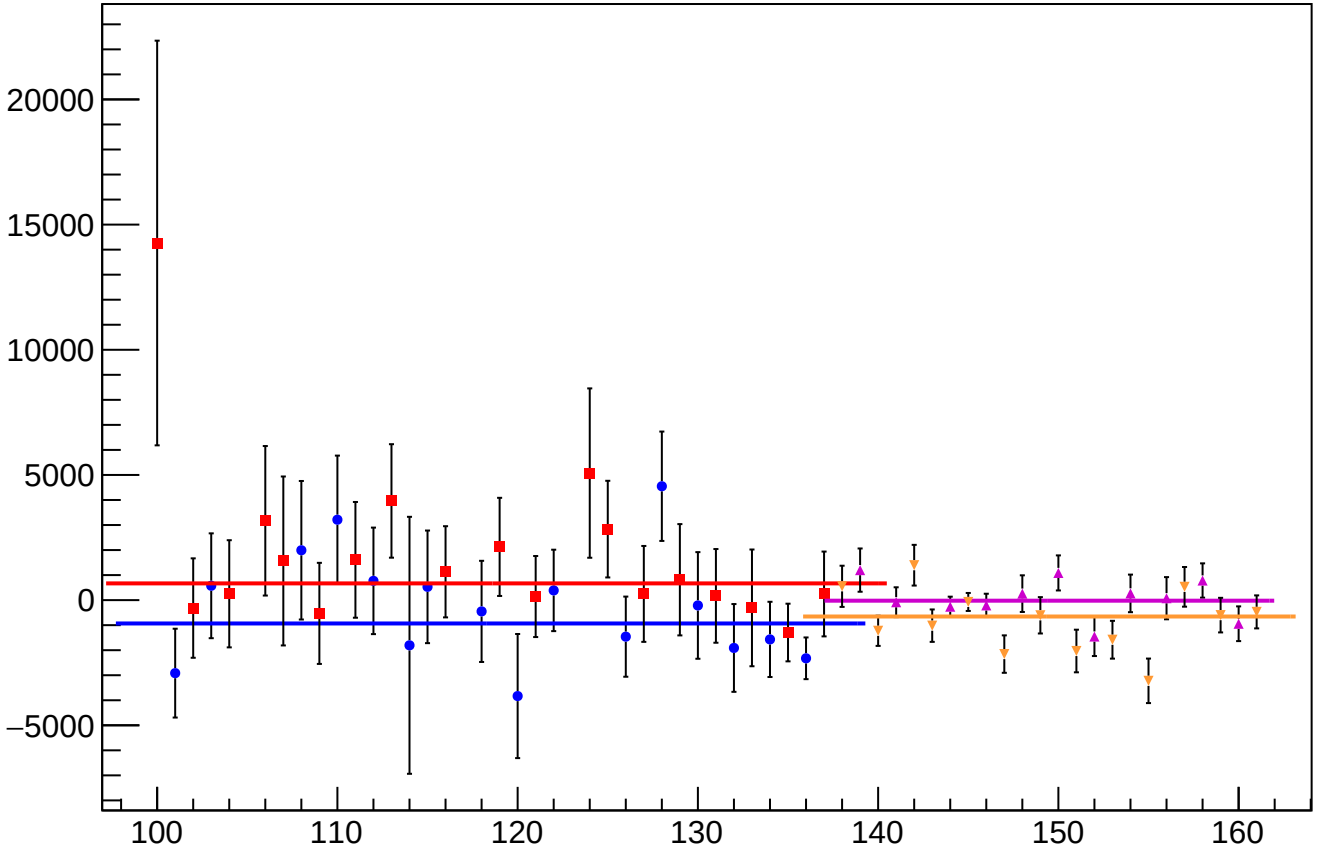
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 88.026+/-0.016 χ^2/NDF:1564808.5/26

Out: 89.211+/-0.016 χ^2/NDF:1895008.1/31

All: 88.627+/-0.011 χ^2/NDF: 3462674.8/58

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: -654.218+/-182.721 χ^2/NDF:31.2/12

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -22.516+/-189.087 χ^2/NDF:11.9/10

Left: -349.180+/-131.396 χ^2/NDF: 48.8/23

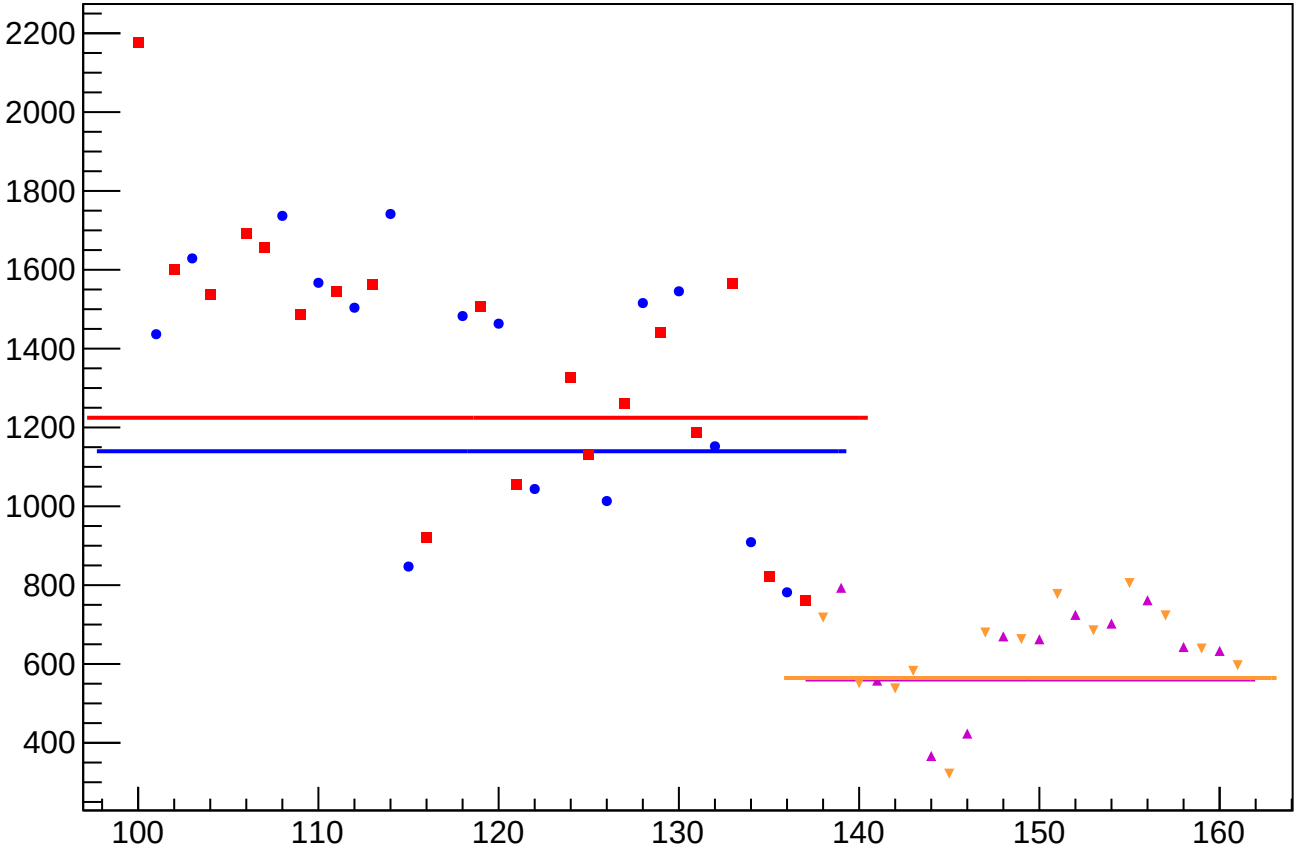
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -162.883+/-173.891 χ^2/NDF:33.9/26

Out: -476.110+/-169.975 χ^2/NDF:51.7/31

All: -323.063+/-121.551 χ^2/NDF: 87.3/58

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: 564.398+/-0.129 χ^2/NDF:1504028.1/12

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 560.636+/-0.134 χ^2/NDF:1201430.8/10

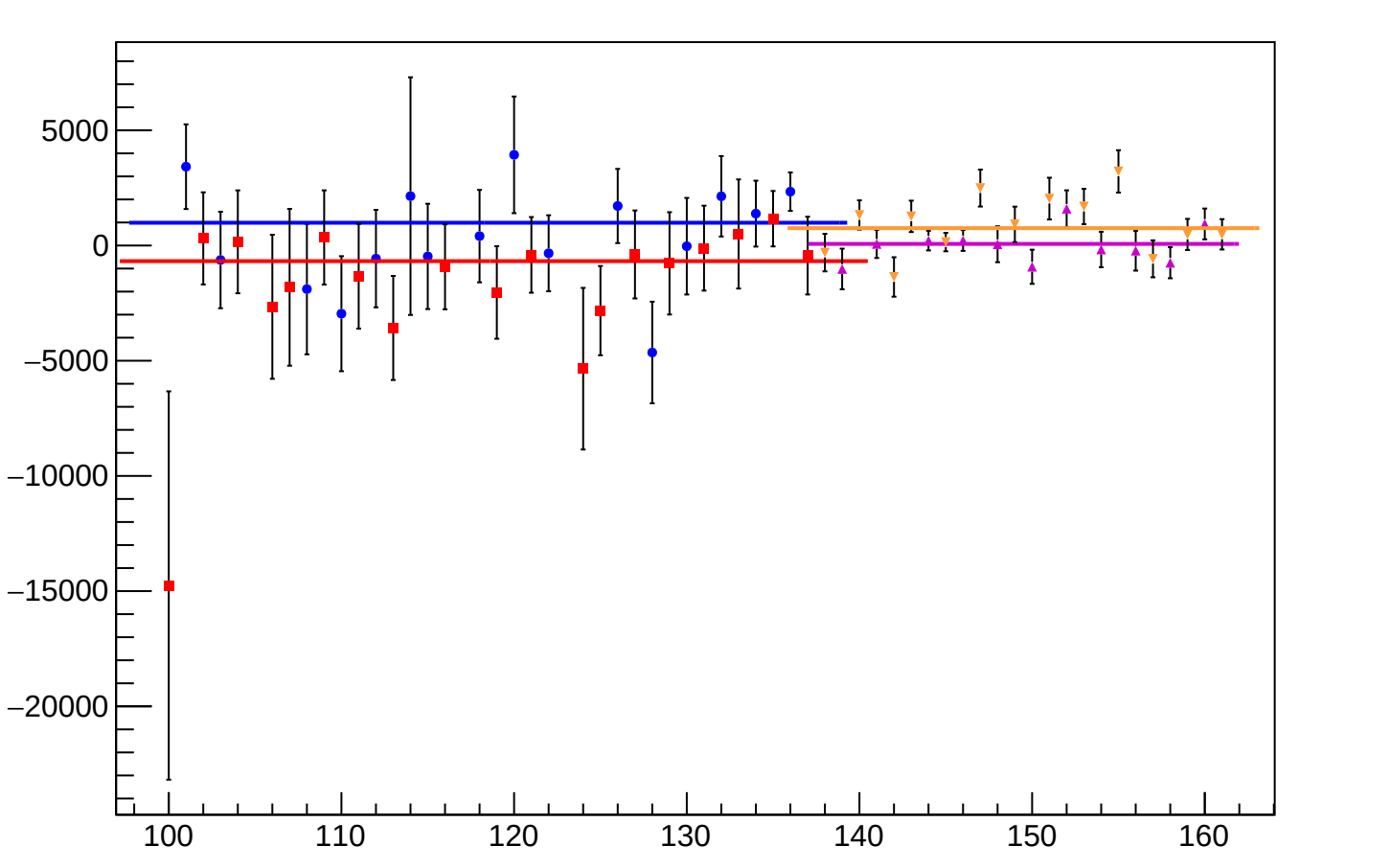
Left: 562.581+/-0.093 χ^2/NDF: 2705868.2/23

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 649.963+/-0.123 χ^2/NDF:5188053.9/26

Out: 653.299+/-0.120 χ^2/NDF:5942514.3/31

All: 651.669+/-0.086 χ^2/NDF: 11130944.6/58



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 754.437+/-191.975 χ^2/NDF:30.0/12

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 70.794+/-193.249 χ^2/NDF:10.5/10

Left: 414.875+/-136.195 χ^2/NDF: 46.8/23

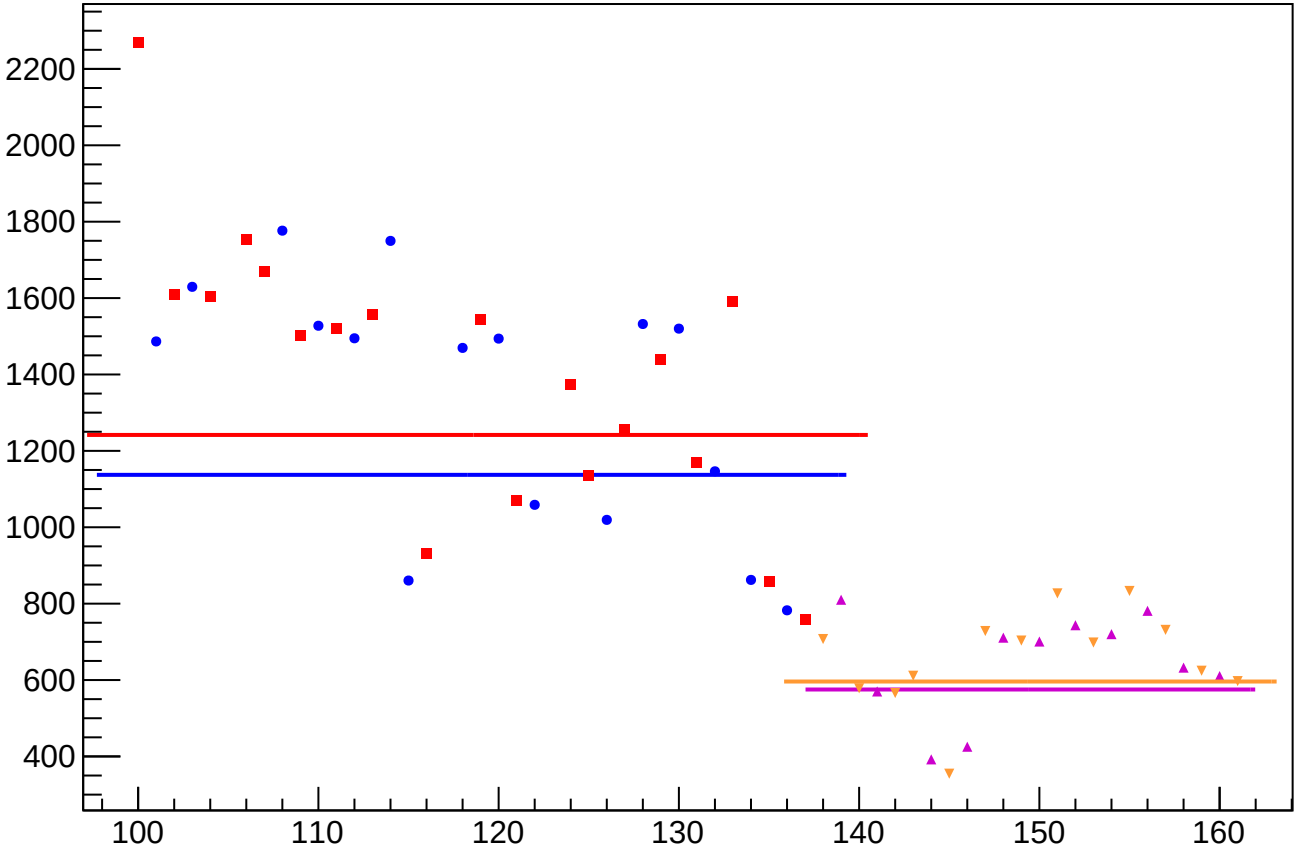
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 217.844+/-177.105 χ^2/NDF:33.2/26

Out: 549.415+/-177.703 χ^2/NDF:49.8/31

All: 383.072+/-125.443 χ^2/NDF: 84.8/58

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 596.134+/-0.136 χ^2/NDF:1221408.9/12

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 575.227+/-0.137 χ^2/NDF:1136569.9/10

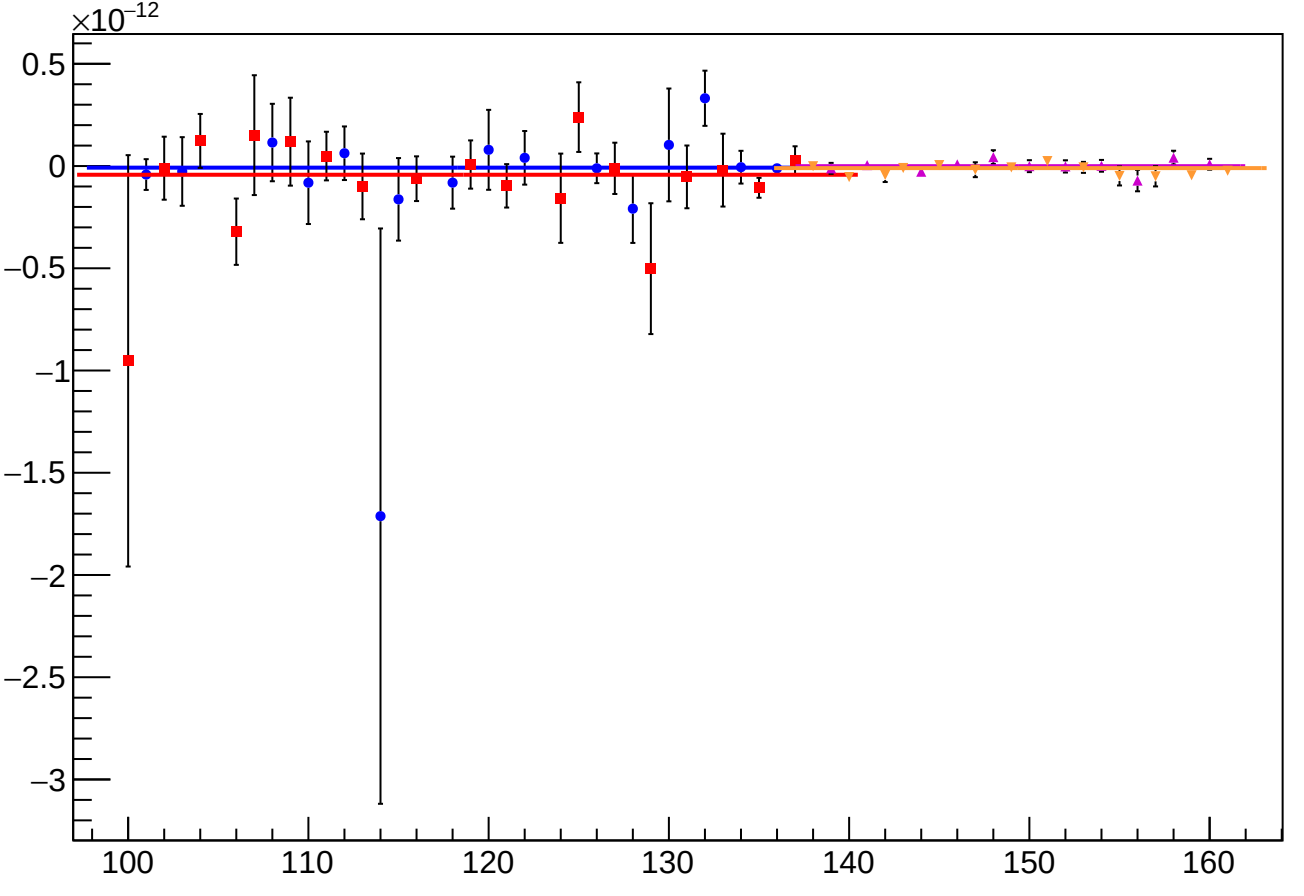
Left: 585.750+/-0.096 χ^2/NDF: 2369761.0/23

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 665.198+/-0.125 χ^2/NDF:4968152.2/26

Out: 688.558+/-0.126 χ^2/NDF:5358763.8/31

All: 676.839+/-0.089 χ^2/NDF: 10344254.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

Left: -0.000+/-0.000 χ^2/NDF: 27.5/23

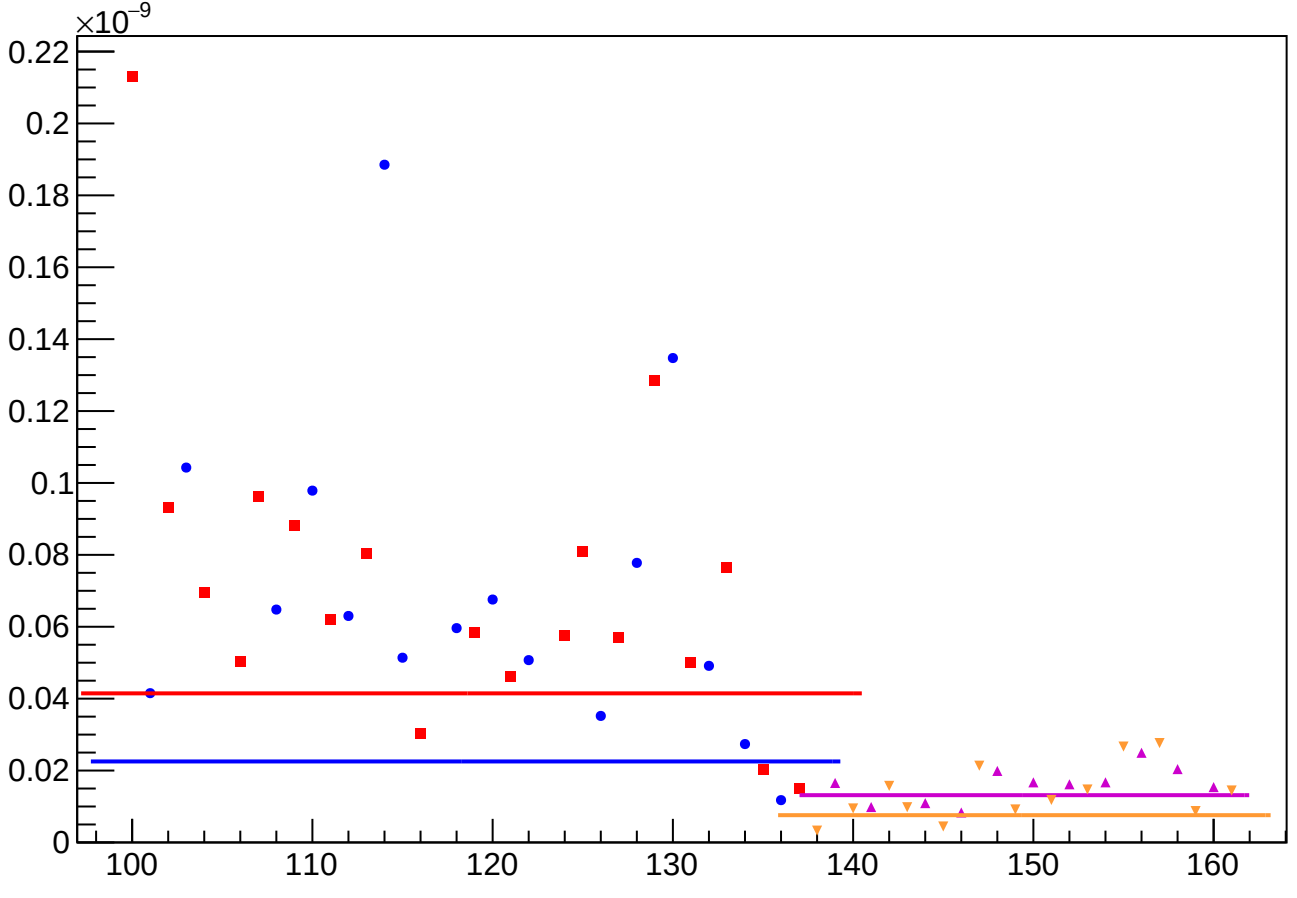
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.2/26

Out: -0.000+/-0.000 χ^2/NDF:34.9/31

All: -0.000+/-0.000 χ^2/NDF: 56.5/58

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:2117899.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:683047.3/10

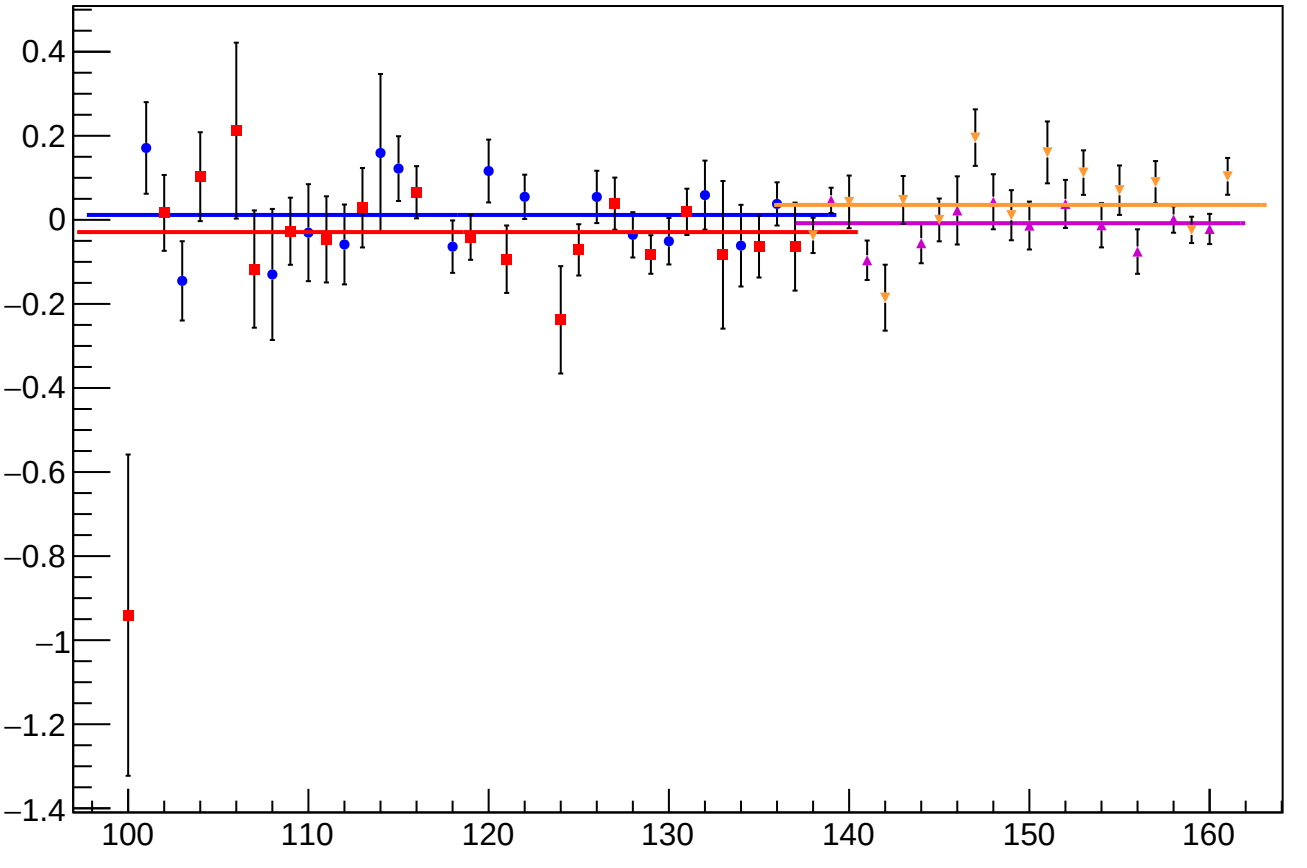
Left: 0.000+/-0.000 χ^2/NDF: 3593521.6/23

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4032033.7/26

Out: 0.000+/-0.000 χ^2/NDF:6997663.8/31

All: 0.000+/-0.000 χ^2/NDF: 12027232.1/58



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.013 χ^2/NDF:11.0/10

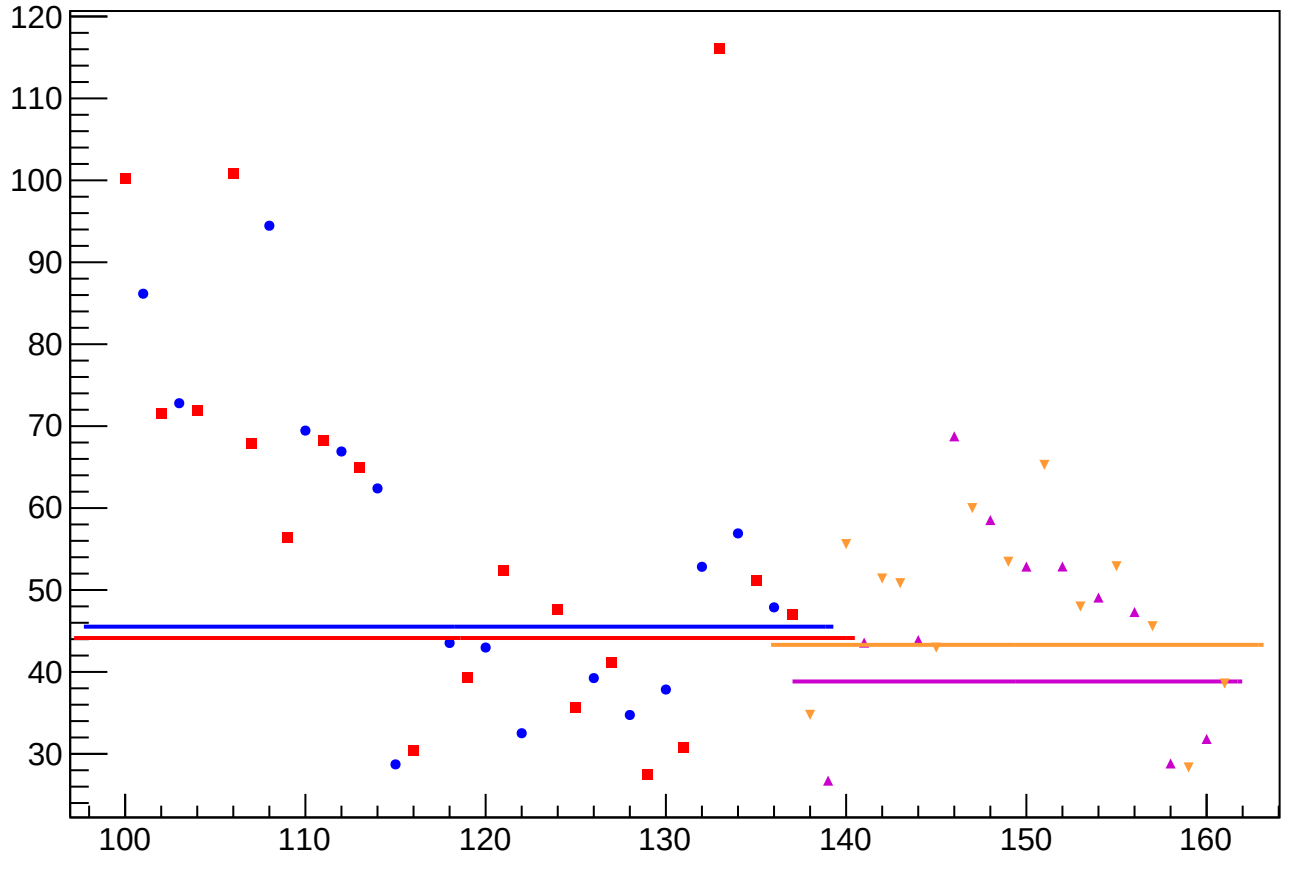
Left: 0.013+/-0.010 χ^2/NDF: 45.7/23

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.011+/-0.011 χ^2/NDF:57.3/31

All: 0.005+/-0.008 χ^2/NDF: 86.5/58



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.306+/-0.010 χ^2/NDF:1127795.7/12

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

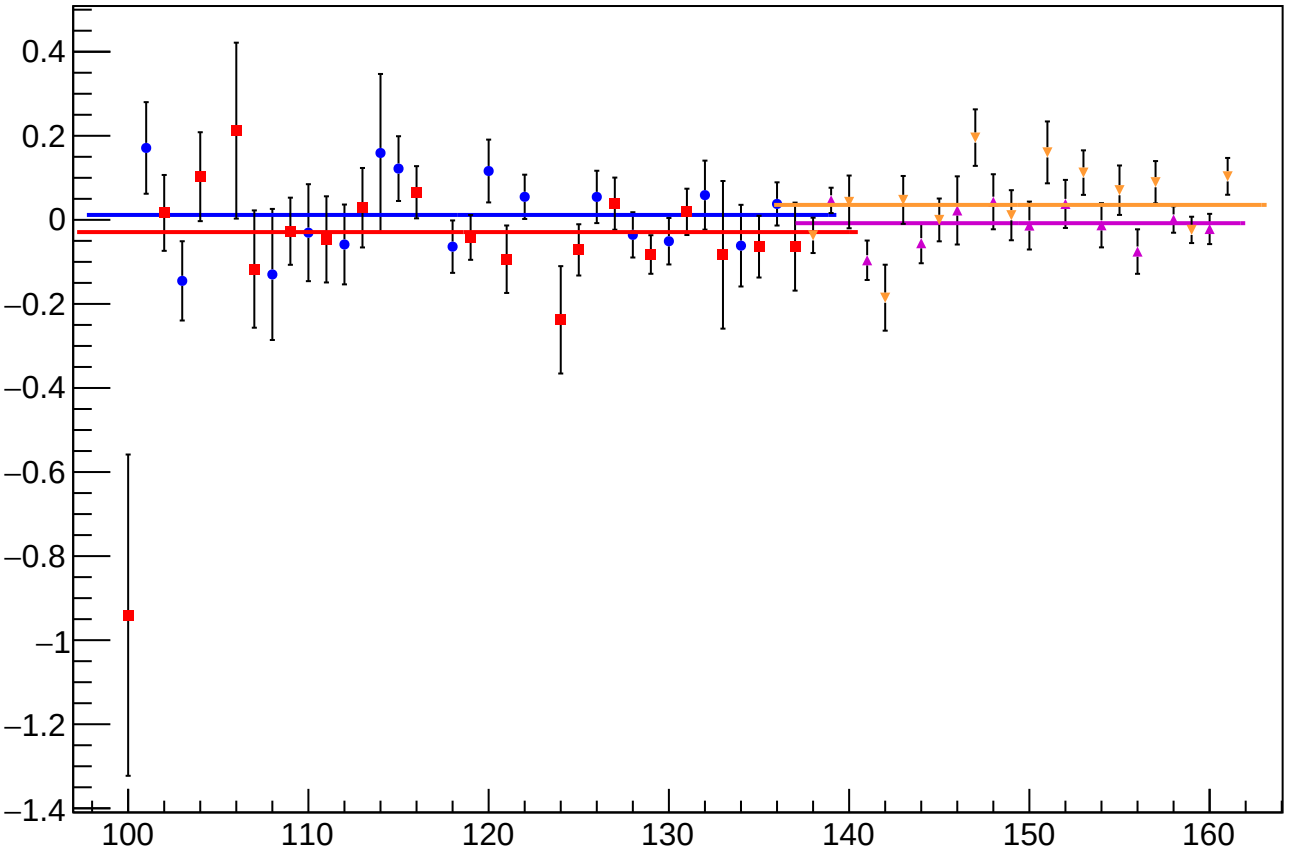
Left: 40.953+/-0.007 χ^2/NDF: 2697977.2/23

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.188+/-0.008 χ^2/NDF:2893001.6/26

Out: 43.630+/-0.008 χ^2/NDF:2873894.4/31

All: 42.379+/-0.005 χ^2/NDF: 5816205.1/58



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.013 χ^2/NDF:11.0/10

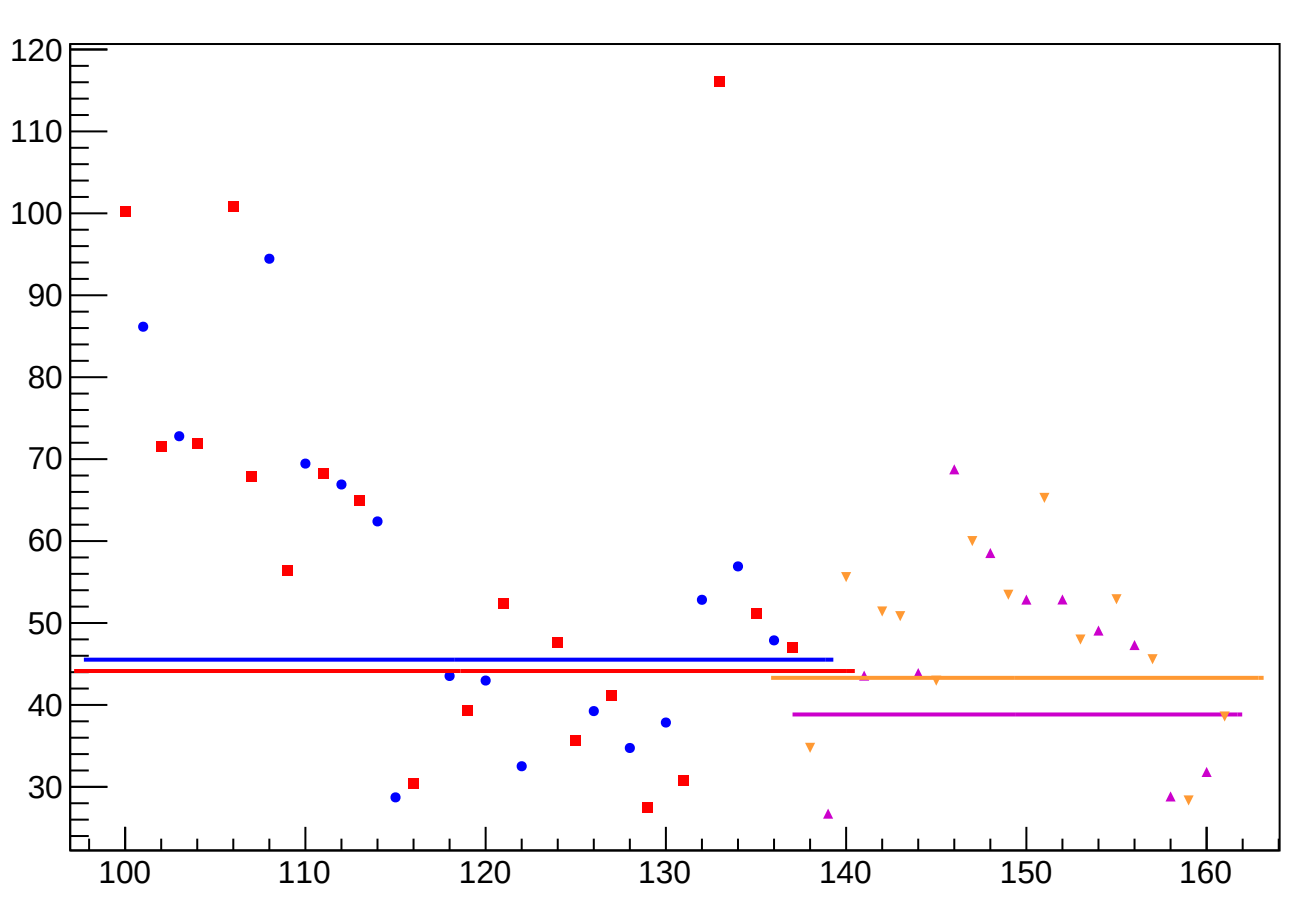
Left: 0.013+/-0.010 χ^2/NDF: 45.7/23

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.011+/-0.011 χ^2/NDF:57.3/31

All: 0.005+/-0.008 χ^2/NDF: 86.5/58



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.306+/-0.010 χ^2/NDF:1127795.7/12

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

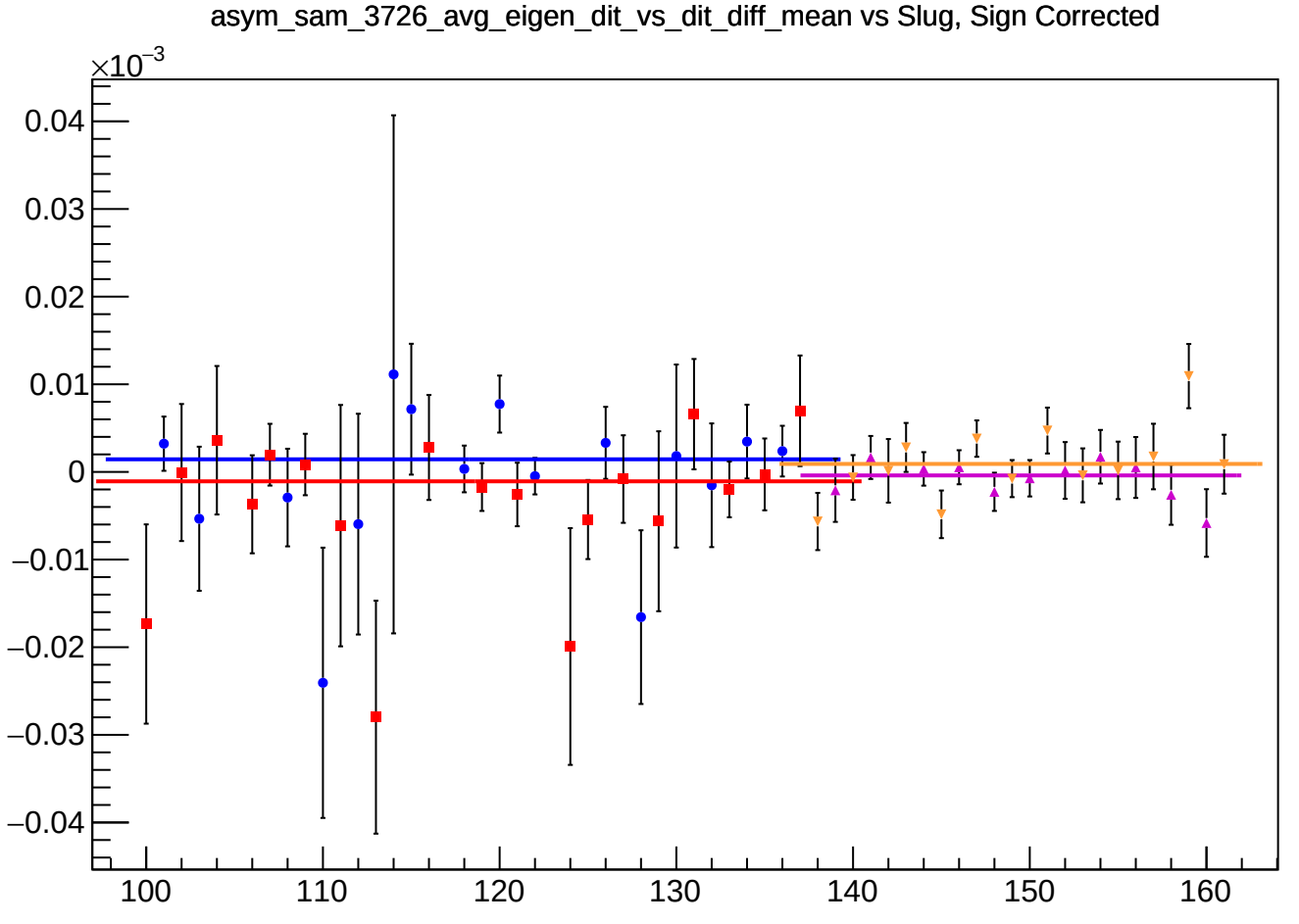
Left: 40.953+/-0.007 χ^2/NDF: 2697977.2/23

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.188+/-0.008 χ^2/NDF:2893001.6/26

Out: 43.630+/-0.008 χ^2/NDF:2873894.4/31

All: 42.379+/-0.005 χ^2/NDF: 5816205.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/10

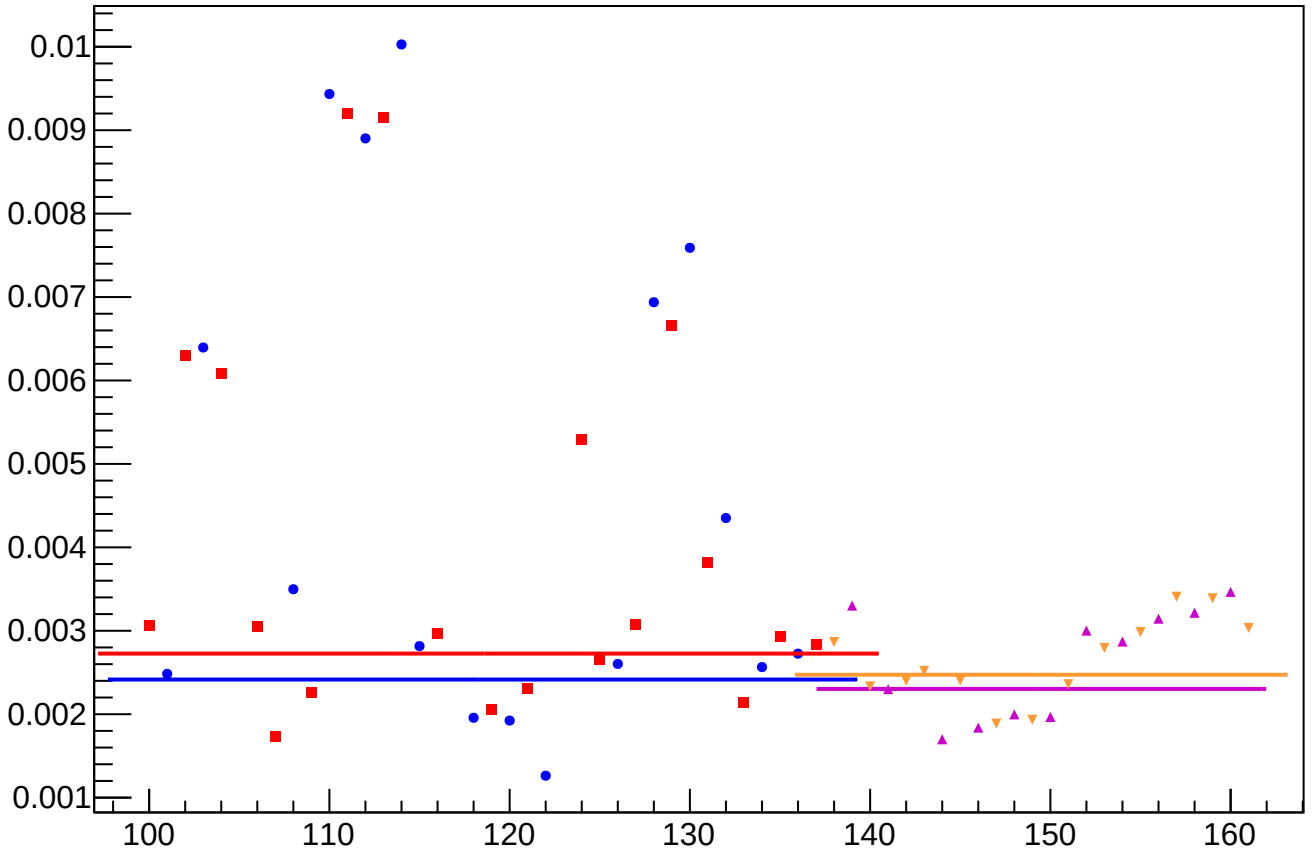
Left: 0.000+/-0.000 χ^2/NDF: 28.3/23

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/26

Out: 0.000+/-0.000 χ^2/NDF:38.7/31

All: 0.000+/-0.000 χ^2/NDF: 60.0/58



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:706332.0/12

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1161133.0/10

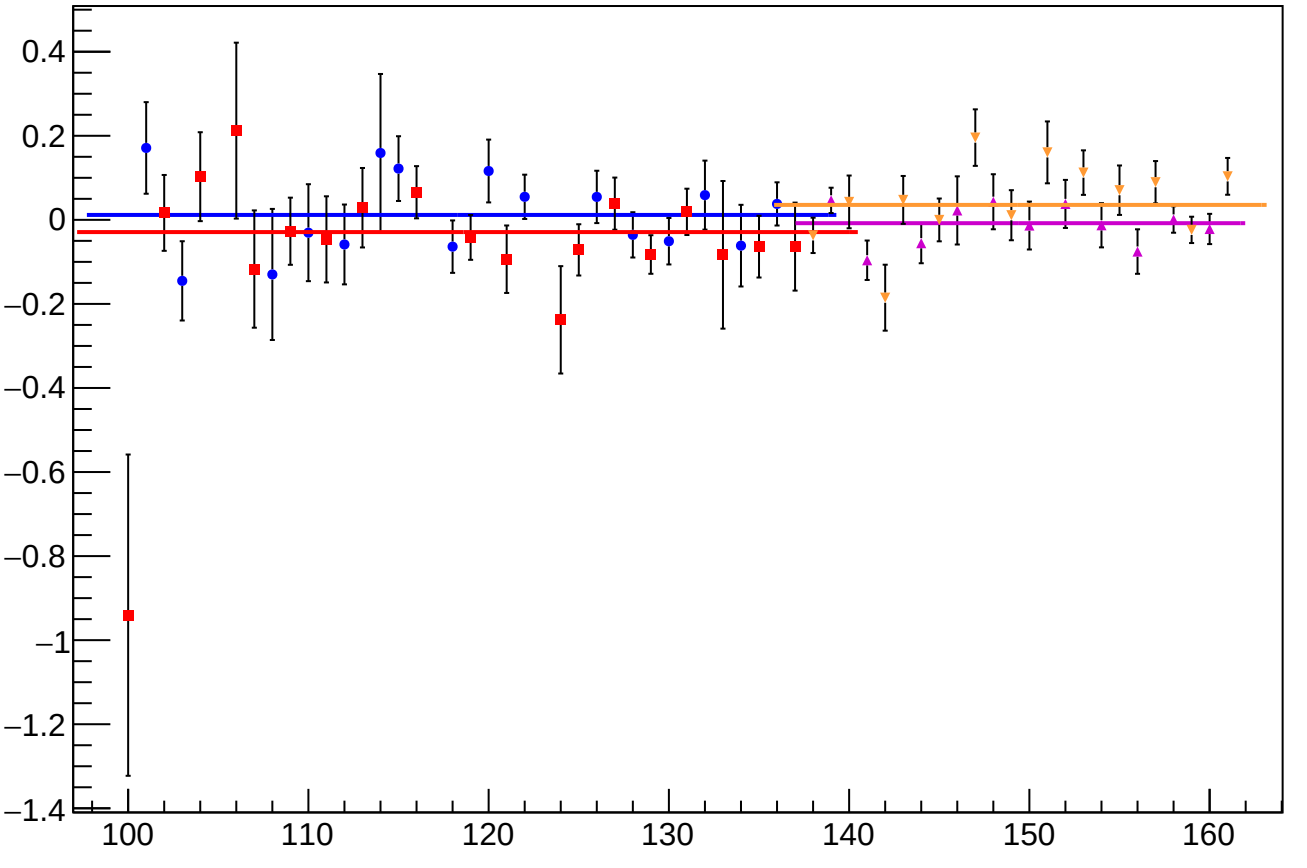
Left: 0.002+/-0.000 χ^2/NDF: 1914828.3/23

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4608315.5/26

Out: 0.003+/-0.000 χ^2/NDF:3280168.7/31

All: 0.002+/-0.000 χ^2/NDF: 8001905.7/58



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.013 χ^2/NDF:11.0/10

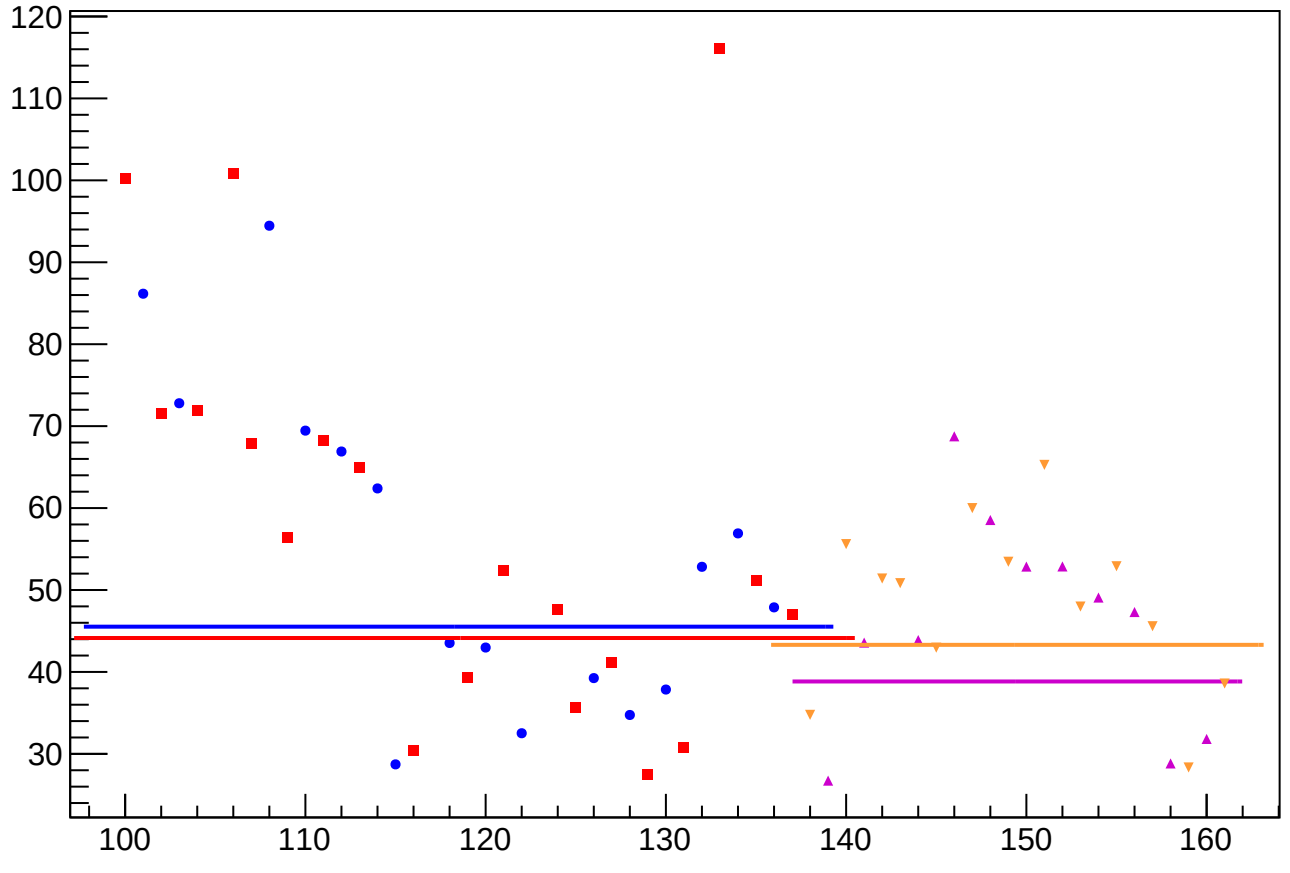
Left: 0.013+/-0.010 χ^2/NDF: 45.7/23

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.011+/-0.011 χ^2/NDF:57.3/31

All: 0.005+/-0.008 χ^2/NDF: 86.5/58



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.307+/-0.010 χ^2/NDF:1127848.9/12

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

Left: 40.954+/-0.007 χ^2/NDF: 2698079.0/23

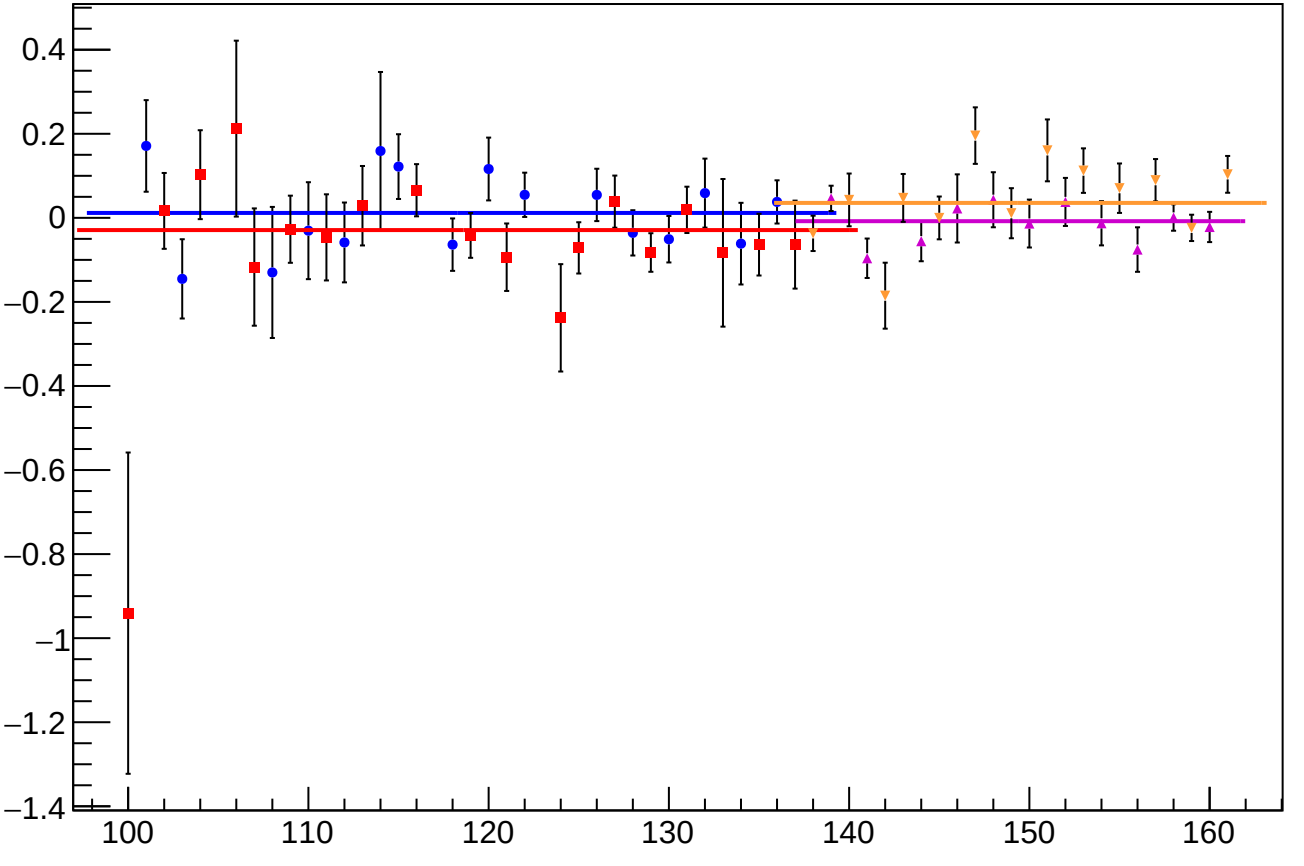
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.188+/-0.008 χ^2/NDF:2892996.3/26

Out: 43.630+/-0.008 χ^2/NDF:2873868.8/31

All: 42.379+/-0.005 χ^2/NDF: 5816179.3/58

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: 0.036+/-0.014 χ^2/NDF:29.8/12

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.008+/-0.013 χ^2/NDF:11.0/10

Left: 0.013+/-0.010 χ^2/NDF: 45.7/23

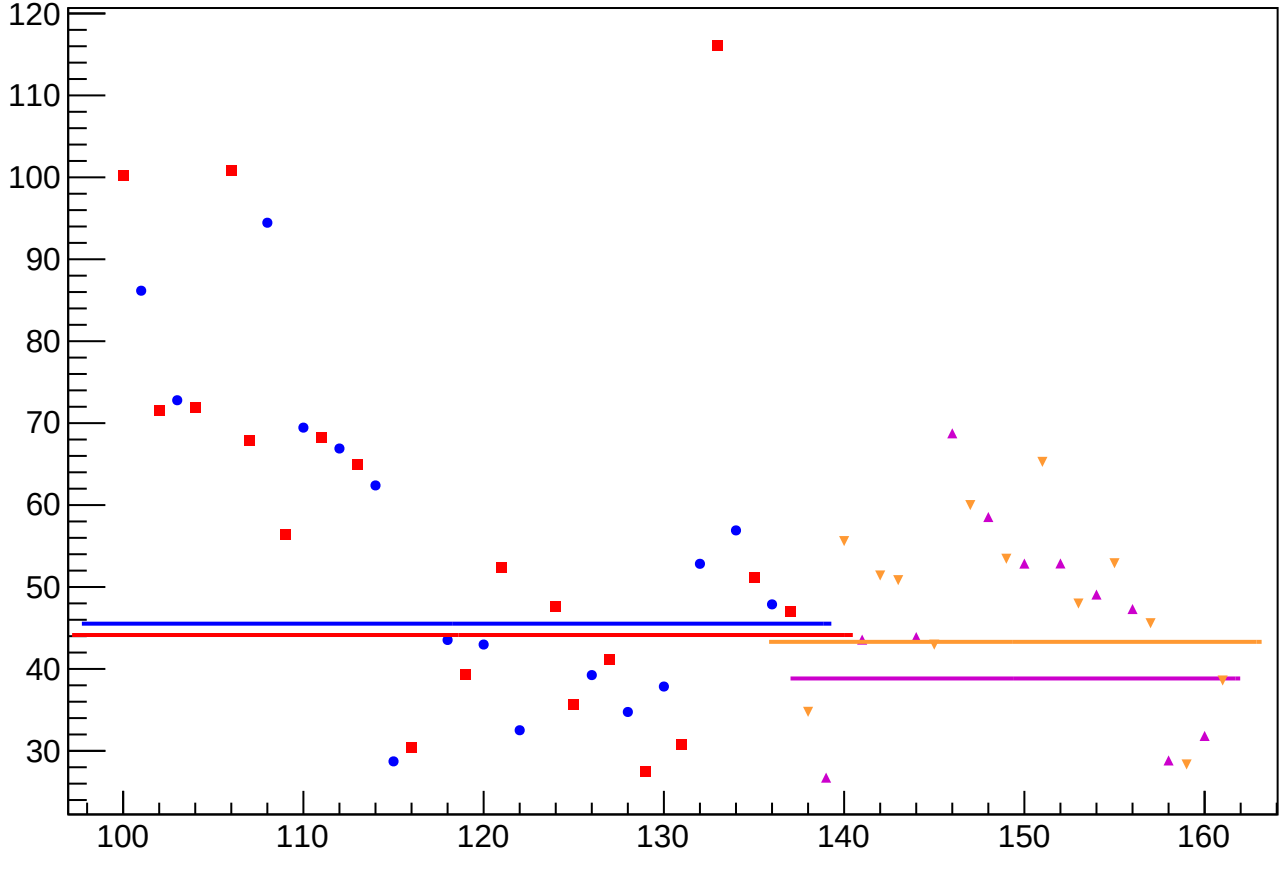
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:28.6/26

Out: 0.011+/-0.011 χ^2/NDF:57.3/31

All: 0.005+/-0.008 χ^2/NDF: 86.5/58

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.307+/-0.010 χ^2/NDF:1127848.9/12

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

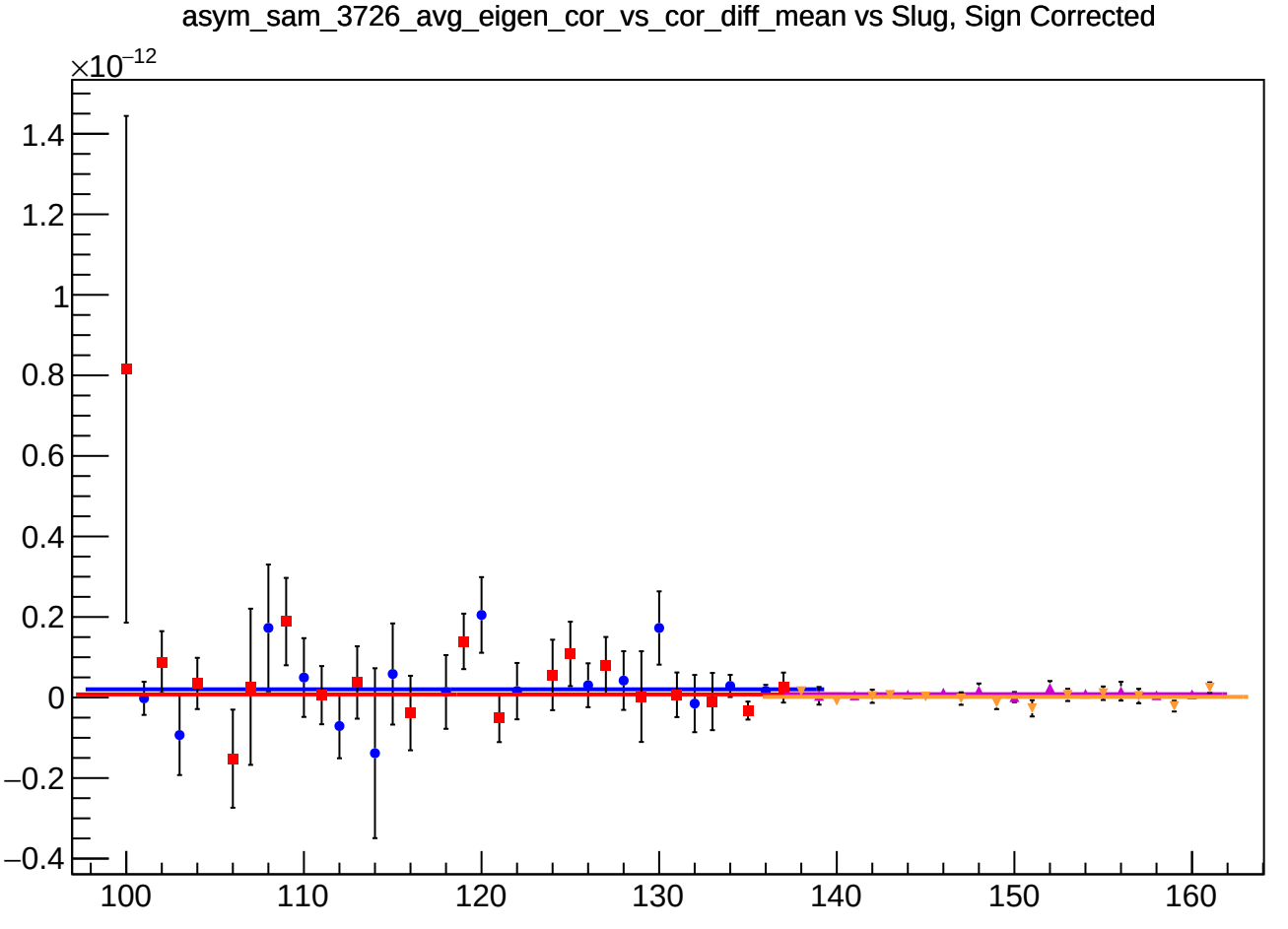
Left: 40.954+/-0.007 χ^2/NDF: 2698079.0/23

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.188+/-0.008 χ^2/NDF:2892996.3/26

Out: 43.630+/-0.008 χ^2/NDF:2873868.8/31

All: 42.379+/-0.005 χ^2/NDF: 5816179.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/10

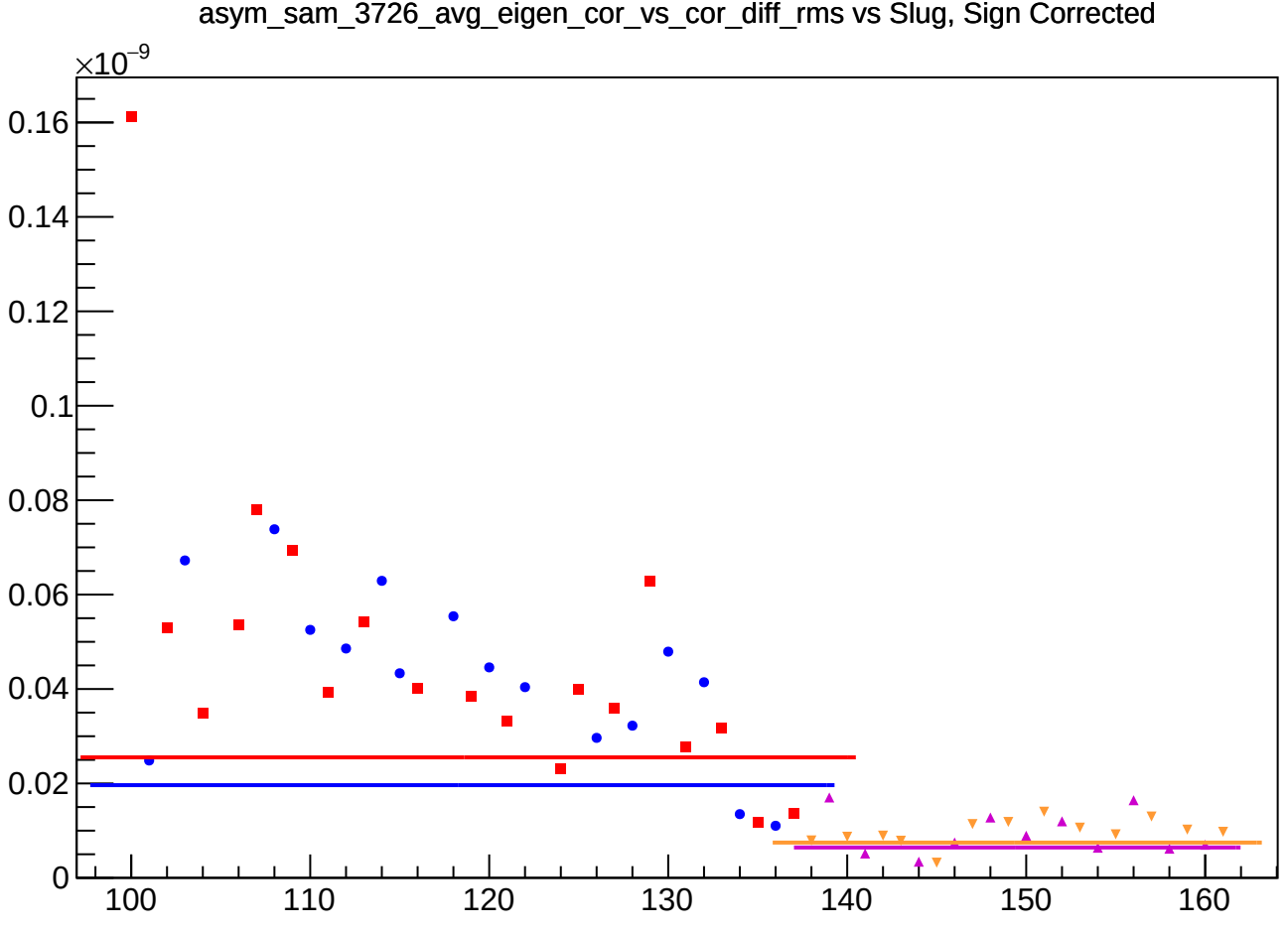
Left: 0.000+/-0.000 χ^2/NDF: 15.6/23

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.8/26

Out: 0.000+/-0.000 χ^2/NDF:30.5/31

All: 0.000+/-0.000 χ^2/NDF: 48.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2129796.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2009491.4/10

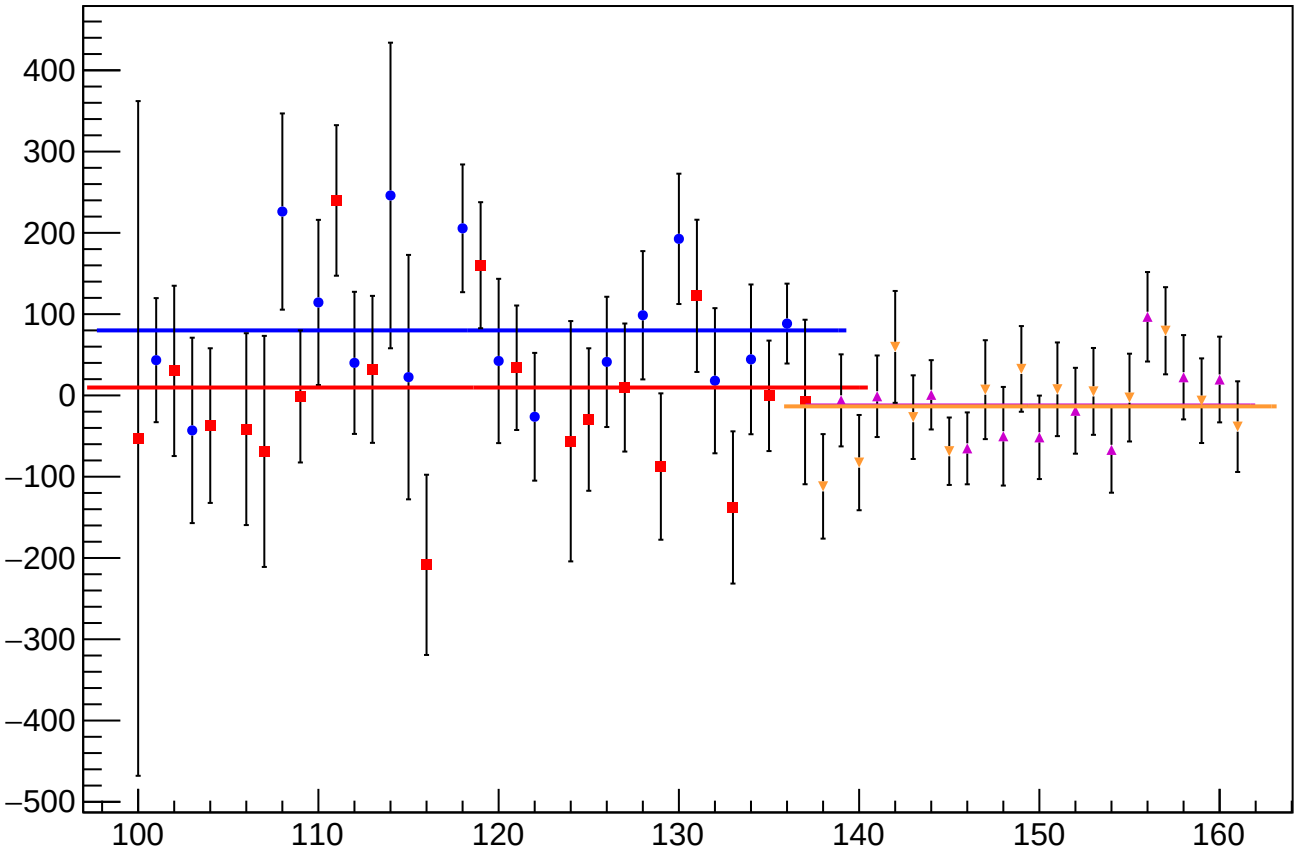
Left: 0.000+/-0.000 χ^2/NDF: 4242373.5/23

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7830439.3/26

Out: 0.000+/-0.000 χ^2/NDF:8113517.5/31

All: 0.000+/-0.000 χ^2/NDF: 16052783.3/58



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.476+/-15.136 χ^2/NDF:11.1/12

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -12.375+/-15.428 χ^2/NDF:8.4/10

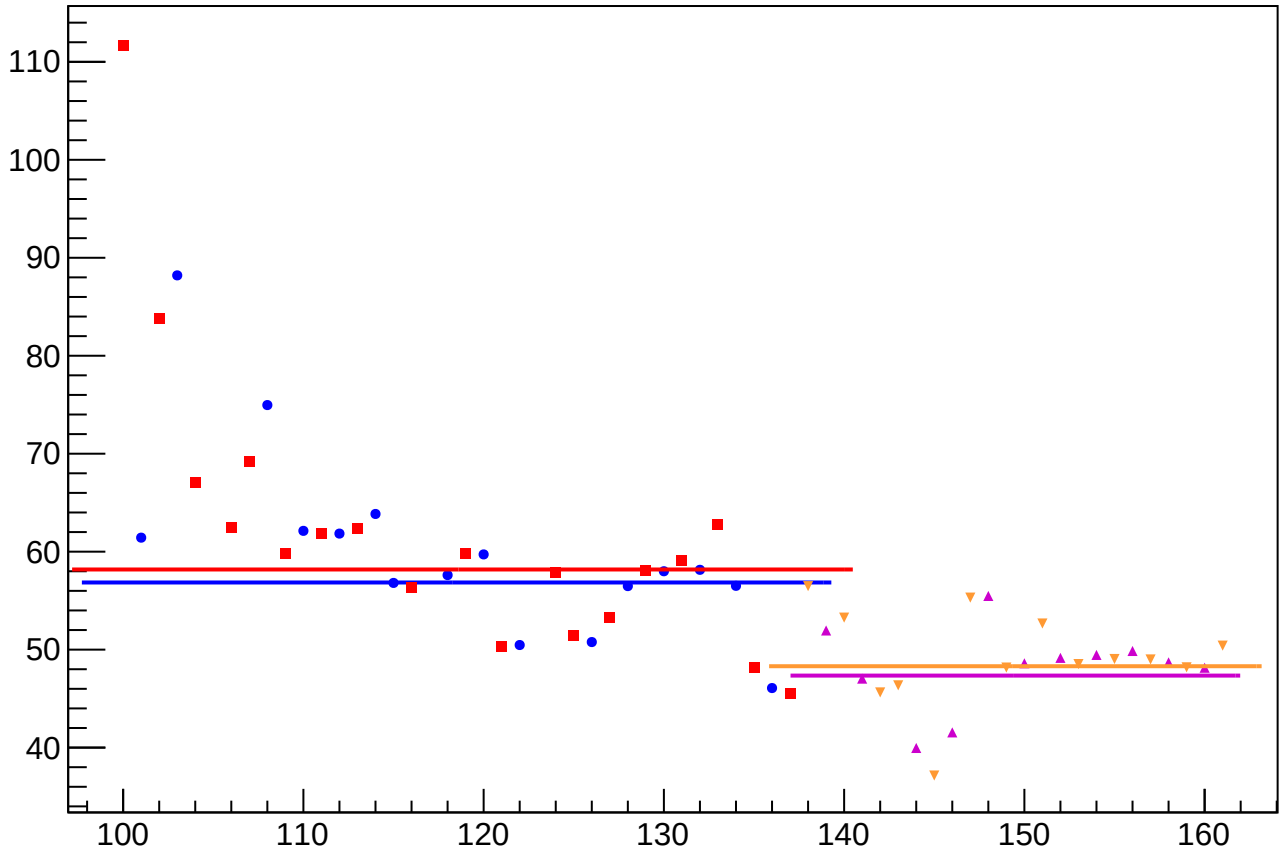
Left: -12.936+/-10.805 χ^2/NDF: 19.5/23

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -5.842+/-12.399 χ^2/NDF:32.2/31

All: 6.484+/-8.813 χ^2/NDF: 66.4/58



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

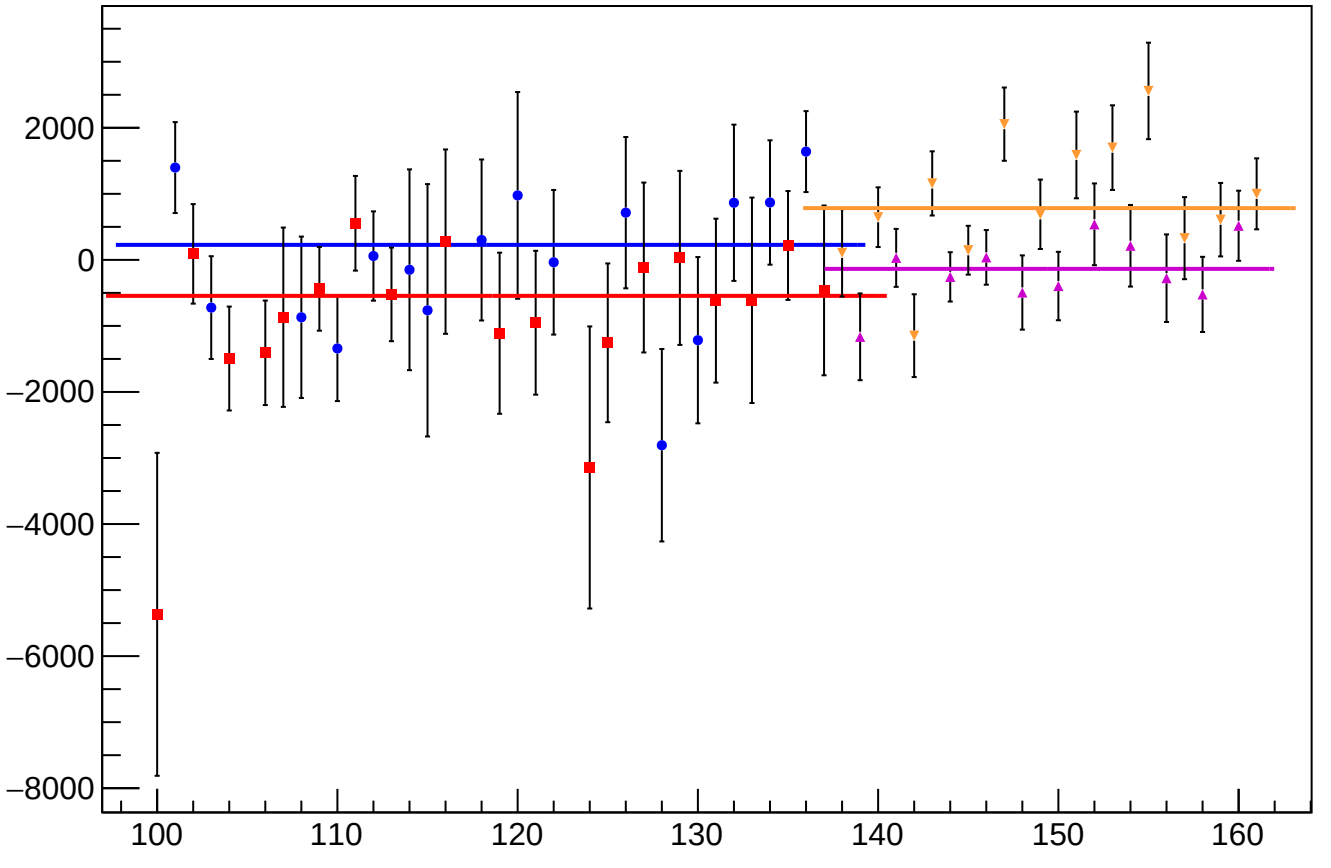
Left: 47.838+/-0.008 χ^2/NDF: 398984.7/23

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.586+/-0.009 χ^2/NDF:756330.6/26

Out: 51.555+/-0.009 χ^2/NDF:833390.8/31

All: 51.076+/-0.006 χ^2/NDF: 1595770.3/58



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 784.020+/-150.652 χ^2/NDF:29.7/12

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -136.065+/-155.159 χ^2/NDF:7.1/10

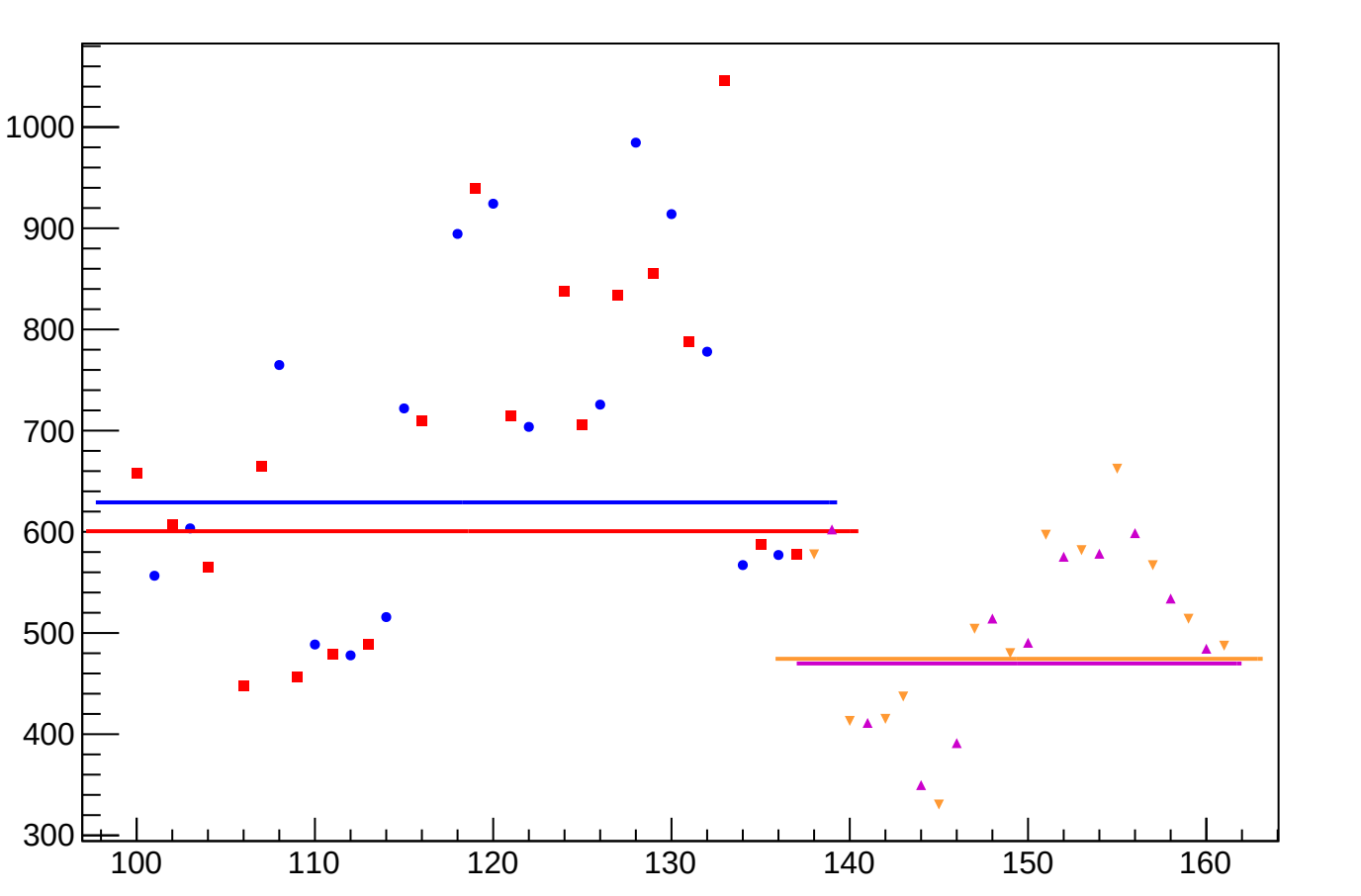
Left: 337.537+/-108.085 χ^2/NDF: 54.9/23

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -29.666+/-130.495 χ^2/NDF:30.3/26

Out: 378.315+/-125.564 χ^2/NDF:66.9/31

All: 182.178+/-90.481 χ^2/NDF: 102.2/58



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 474.488+/-0.107 χ^2/NDF:738580.5/12

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 469.888+/-0.110 χ^2/NDF:634240.1/10

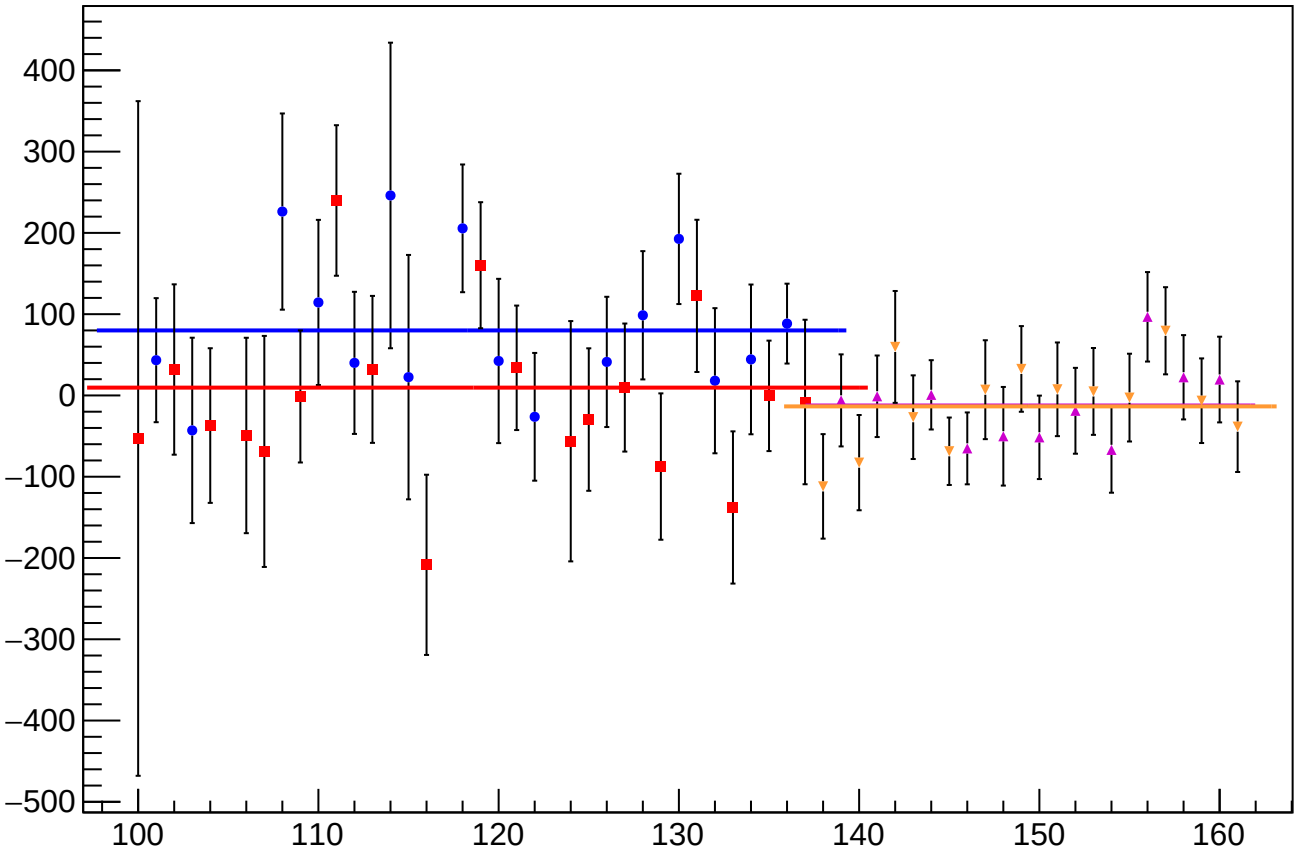
Left: 472.256+/-0.076 χ^2/NDF: 1373725.6/23

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 516.480+/-0.092 χ^2/NDF:1943202.8/26

Out: 512.991+/-0.089 χ^2/NDF:2041051.1/31

All: 514.668+/-0.064 χ^2/NDF: 3984996.4/58



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.477+/-15.136 χ^2/NDF:11.1/12

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -12.377+/-15.428 χ^2/NDF:8.4/10

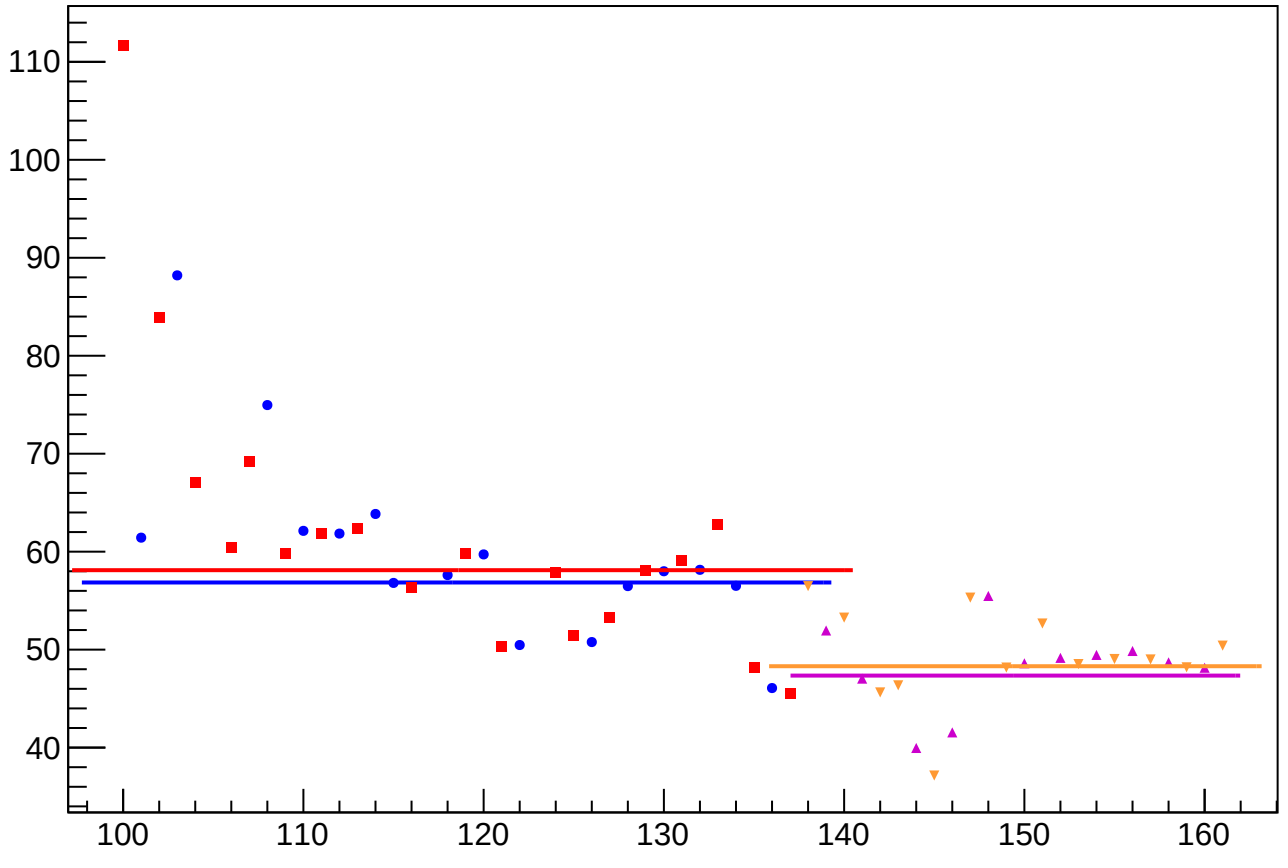
Left: -12.937+/-10.805 χ^2/NDF: 19.5/23

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -5.885+/-12.401 χ^2/NDF:32.3/31

All: 6.464+/-8.814 χ^2/NDF: 66.4/58



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

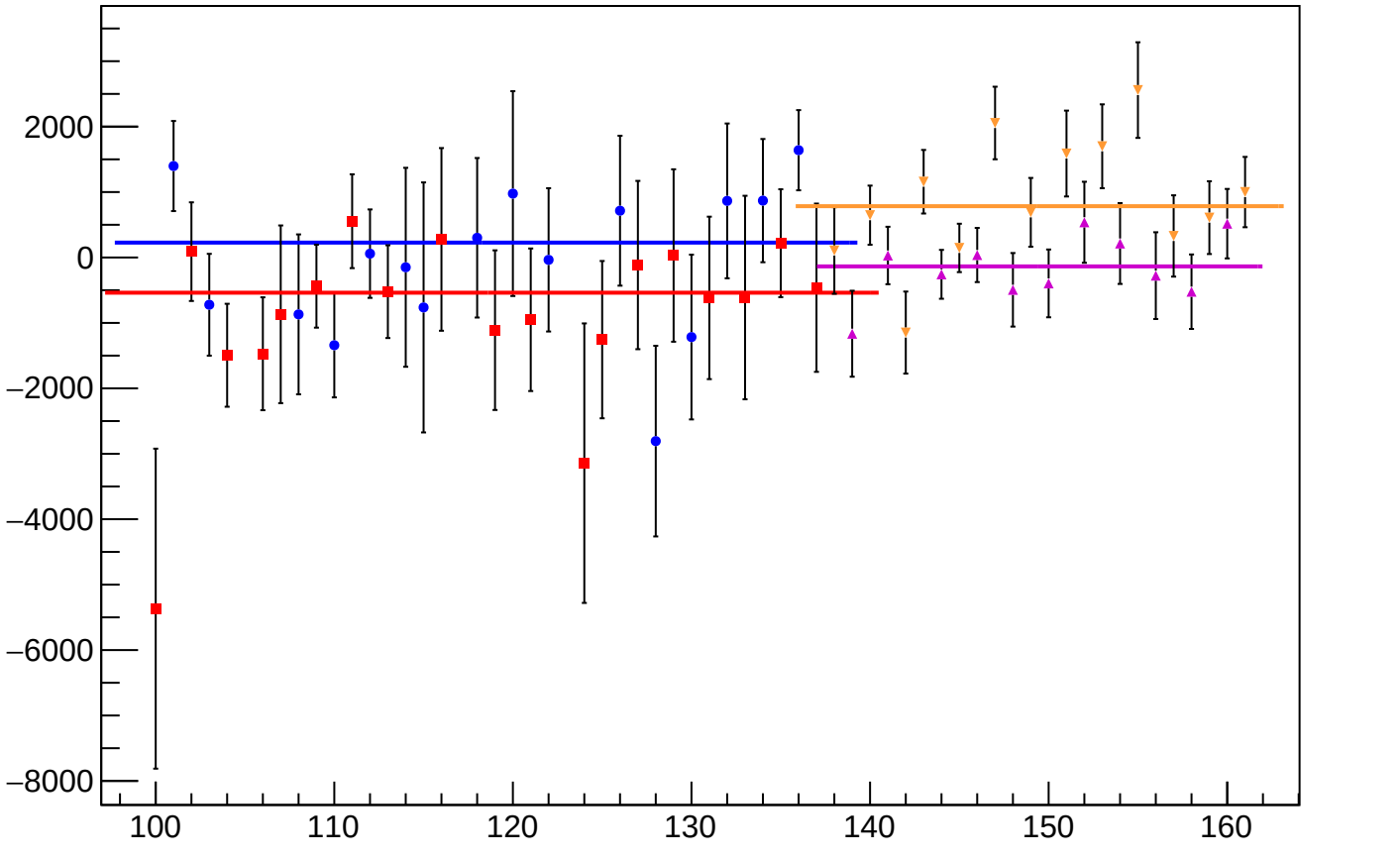
Left: 47.838+/-0.008 χ^2/NDF: 398984.7/23

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.586+/-0.009 χ^2/NDF:756334.6/26

Out: 51.529+/-0.009 χ^2/NDF:827439.1/31

All: 51.063+/-0.006 χ^2/NDF: 1589501.6/58



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 784.021+/-150.652 χ^2/NDF:29.7/12

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -136.069+/-155.159 χ^2/NDF:7.1/10

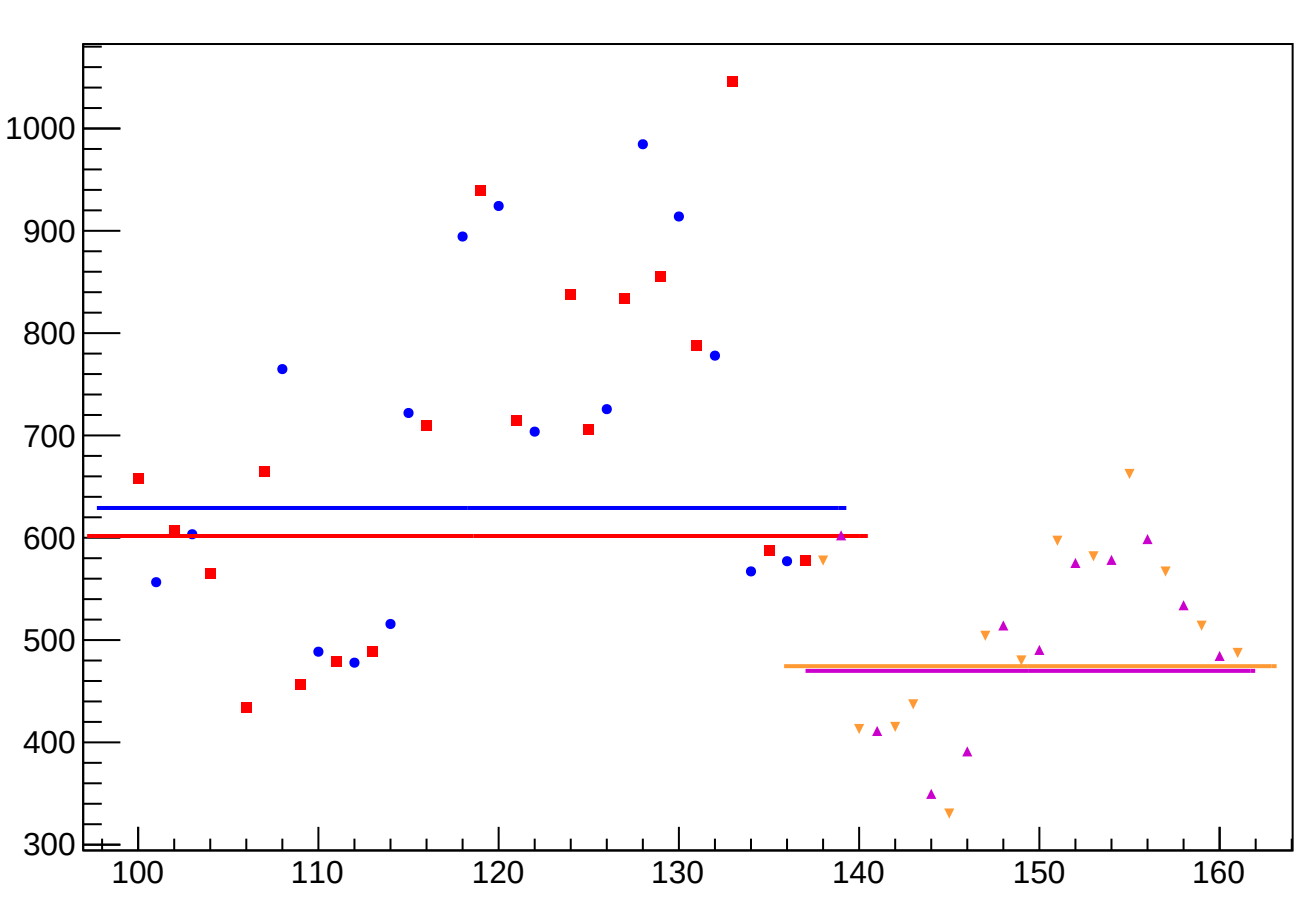
Left: 337.535+/-108.085 χ^2/NDF: 54.9/23

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -29.659+/-130.496 χ^2/NDF:30.3/26

Out: 384.055+/-125.818 χ^2/NDF:66.4/31

All: 184.747+/-90.575 χ^2/NDF: 101.9/58



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 474.488+/-0.107 χ^2/NDF:738582.5/12

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

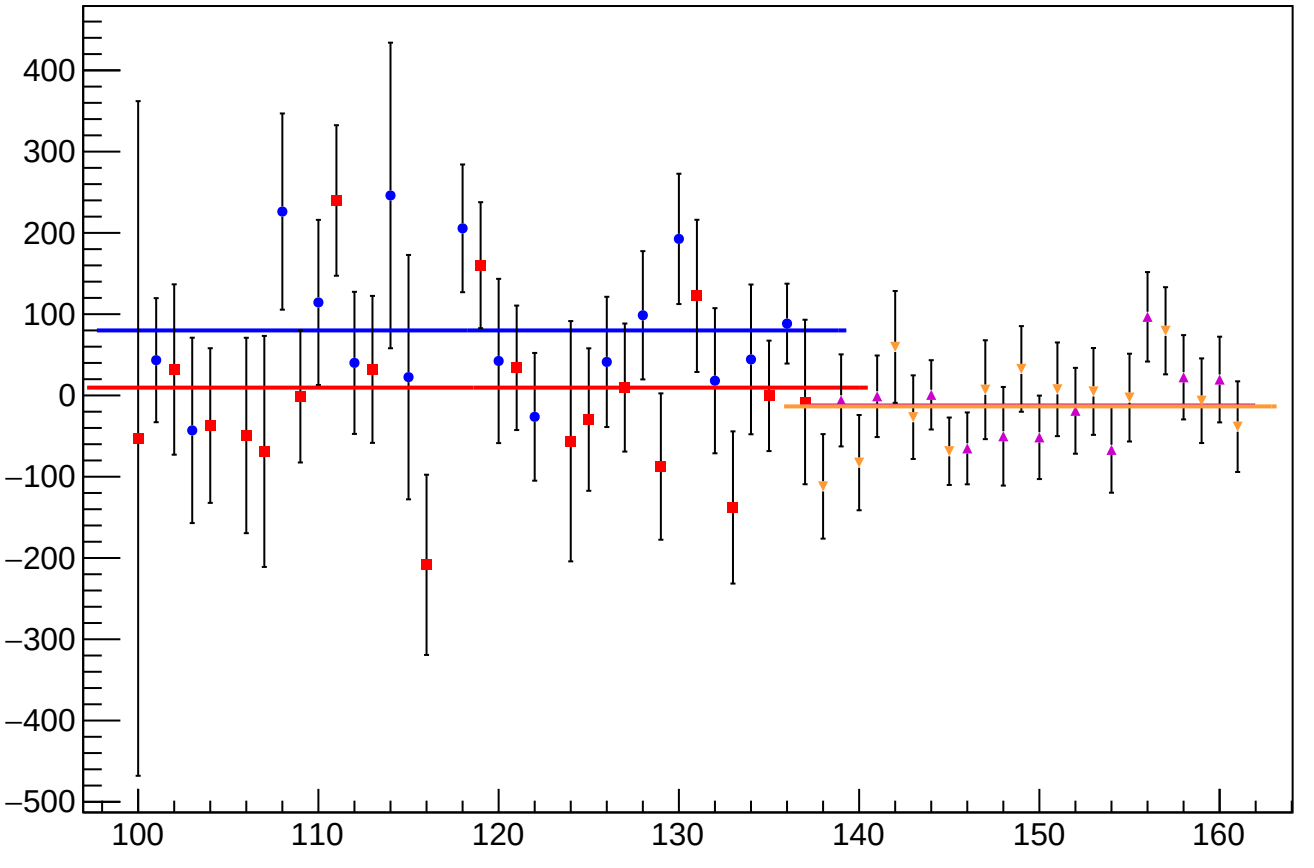
Left: 472.256+/-0.076 χ^2/NDF: 1373725.9/23

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.481+/-0.092 χ^2/NDF:1943222.6/26

Out: 512.978+/-0.089 χ^2/NDF:2044165.1/31

All: 514.666+/-0.064 χ^2/NDF: 3988134.6/58



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.477+/-15.136 χ^2/NDF:11.1/12

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -12.377+/-15.428 χ^2/NDF:8.4/10

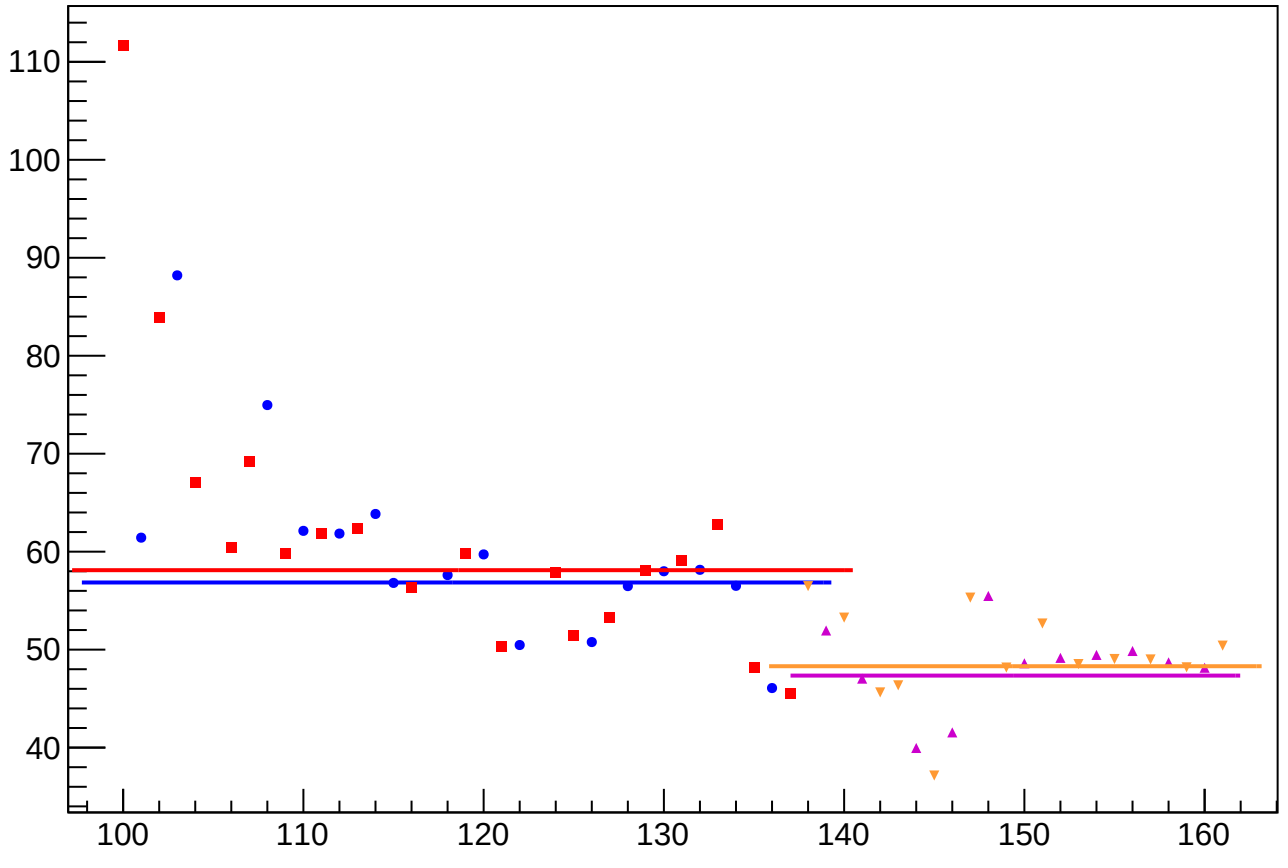
Left: -12.937+/-10.805 χ^2/NDF: 19.5/23

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.072+/-12.530 χ^2/NDF:32.1/26

Out: -5.885+/-12.401 χ^2/NDF:32.3/31

All: 6.464+/-8.814 χ^2/NDF: 66.4/58



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

Left: 47.838+/-0.008 χ^2/NDF: 398984.7/23

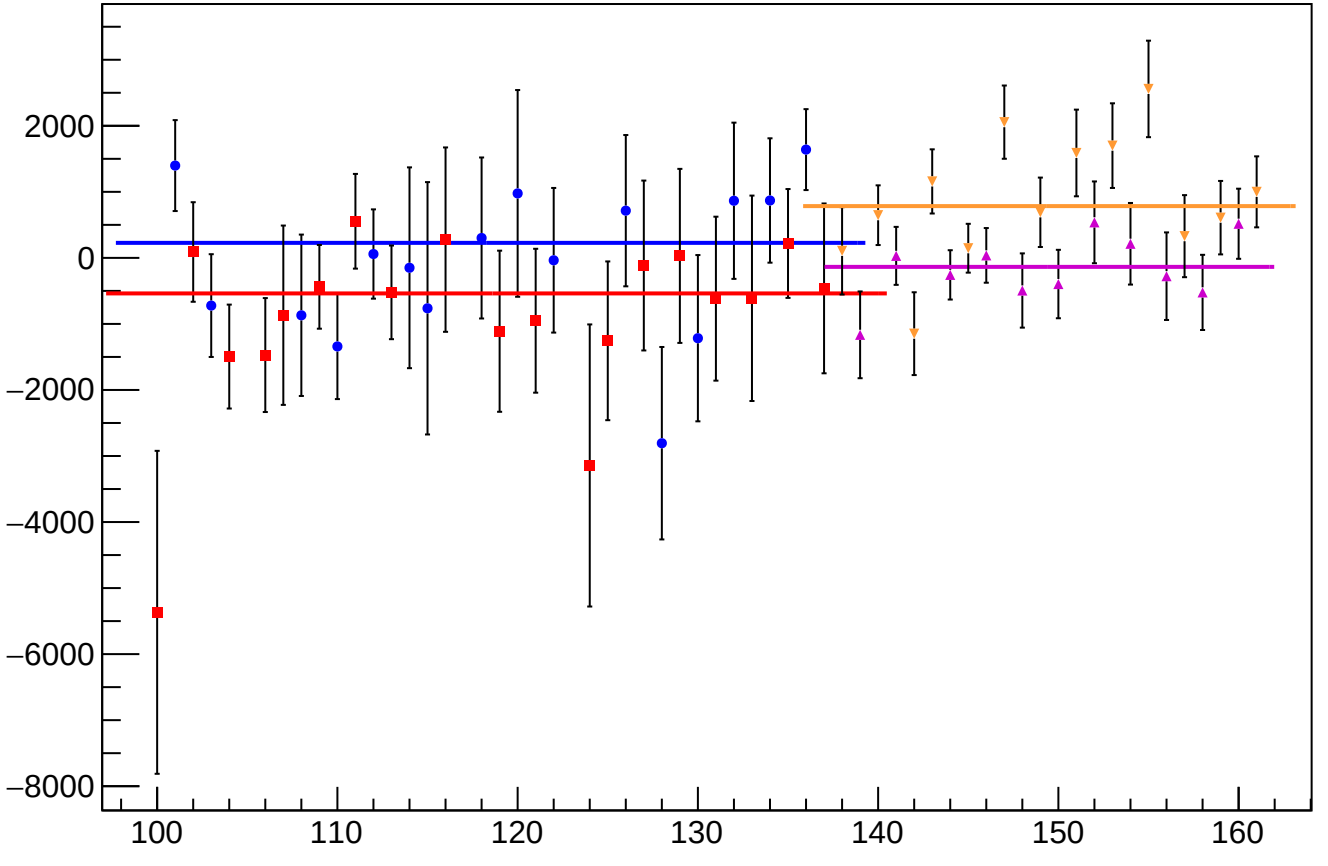
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.586+/-0.009 χ^2/NDF:756334.6/26

Out: 51.529+/-0.009 χ^2/NDF:827439.1/31

All: 51.063+/-0.006 χ^2/NDF: 1589501.6/58

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 784.021+/-150.652 χ^2/NDF:29.7/12

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -136.069+/-155.159 χ^2/NDF:7.1/10

Left: 337.535+/-108.085 χ^2/NDF: 54.9/23

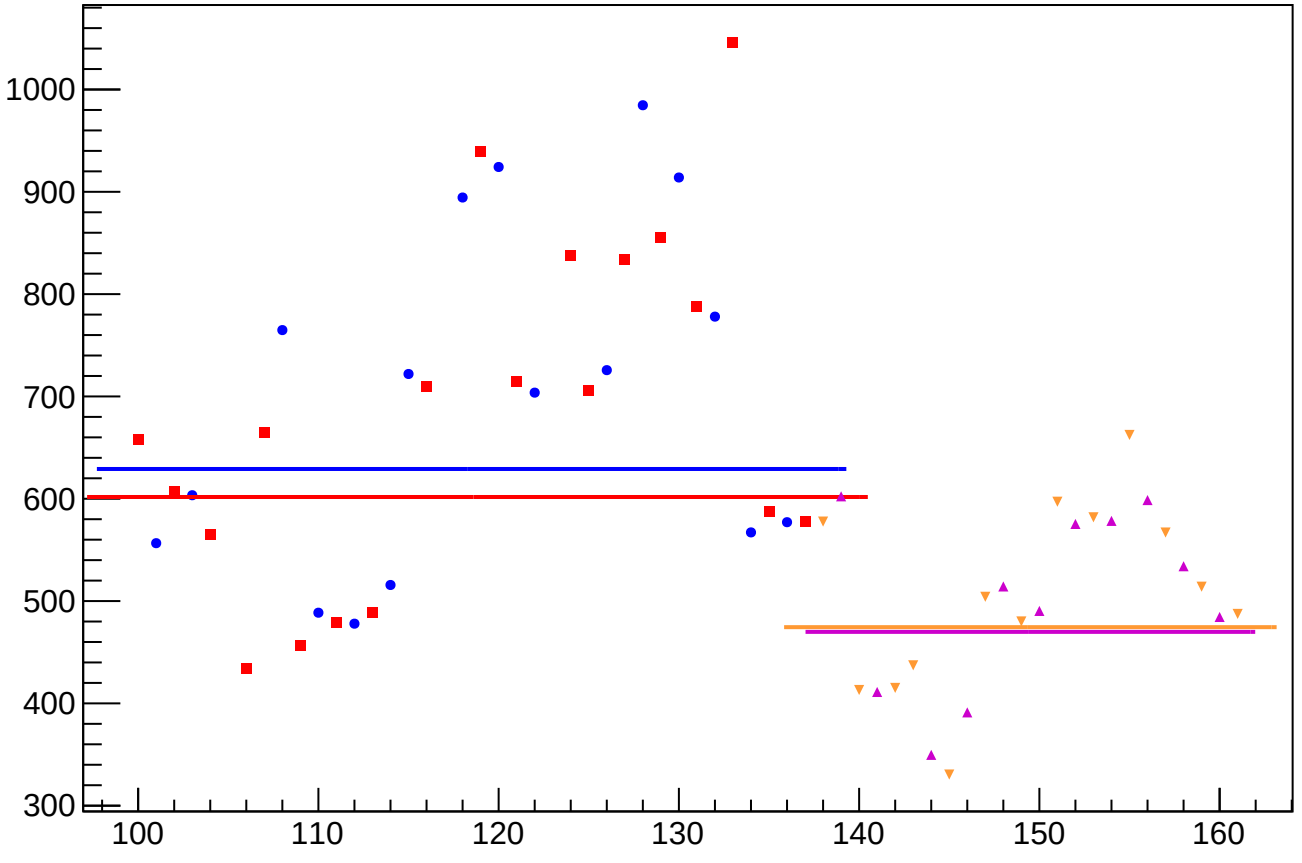
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -29.659+/-130.496 χ^2/NDF:30.3/26

Out: 384.055+/-125.818 χ^2/NDF:66.4/31

All: 184.747+/-90.575 χ^2/NDF: 101.9/58

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: 474.488+/-0.107 χ^2/NDF:738582.5/12

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

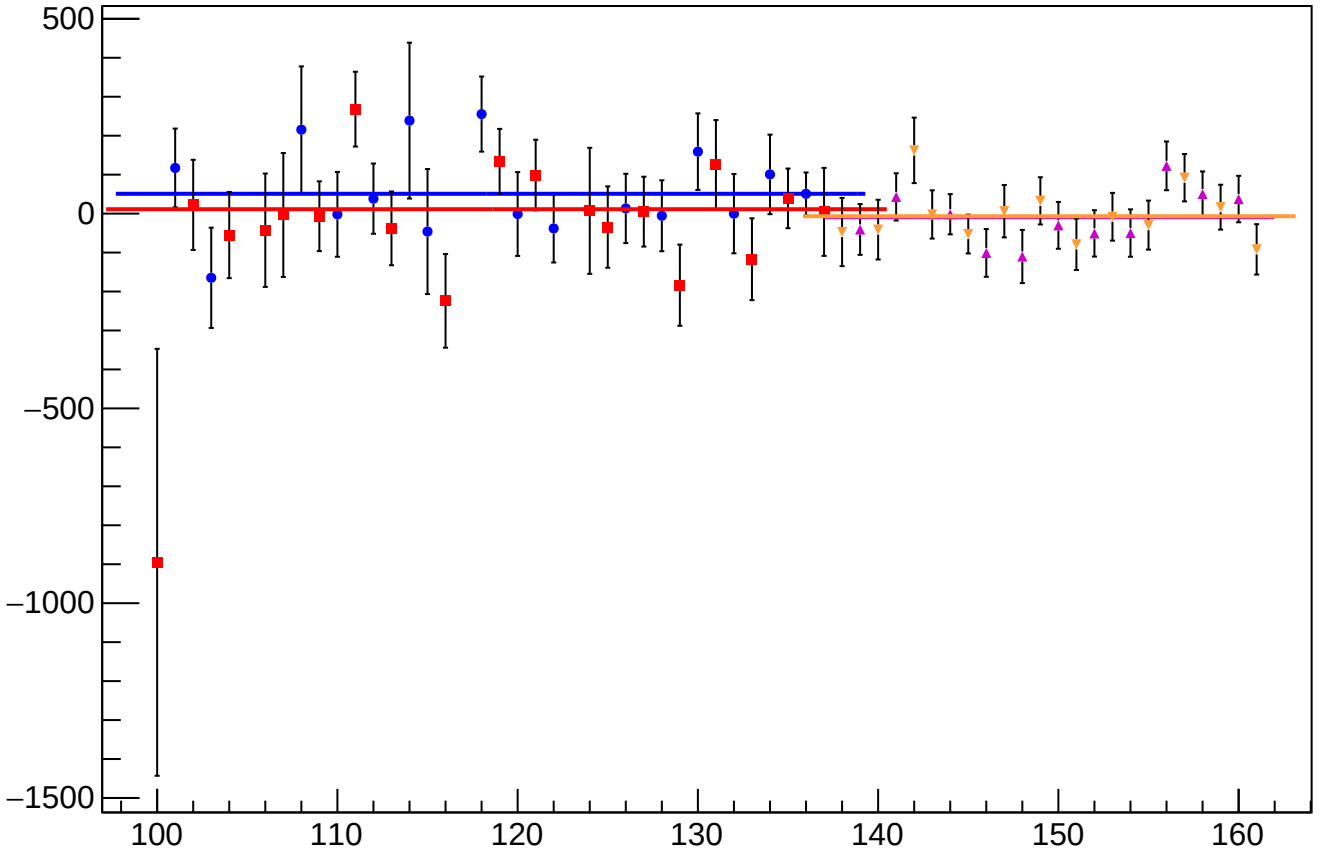
Left: 472.256+/-0.076 χ^2/NDF: 1373725.9/23

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.481+/-0.092 χ^2/NDF:1943222.6/26

Out: 512.978+/-0.089 χ^2/NDF:2044165.1/31

All: 514.666+/-0.064 χ^2/NDF: 3988134.6/58



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -6.762+/-17.794 χ^2/NDF:11.6/12

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -9.376+/-18.176 χ^2/NDF:12.6/10

Left: -8.041+/-12.715 χ^2/NDF: 24.2/23

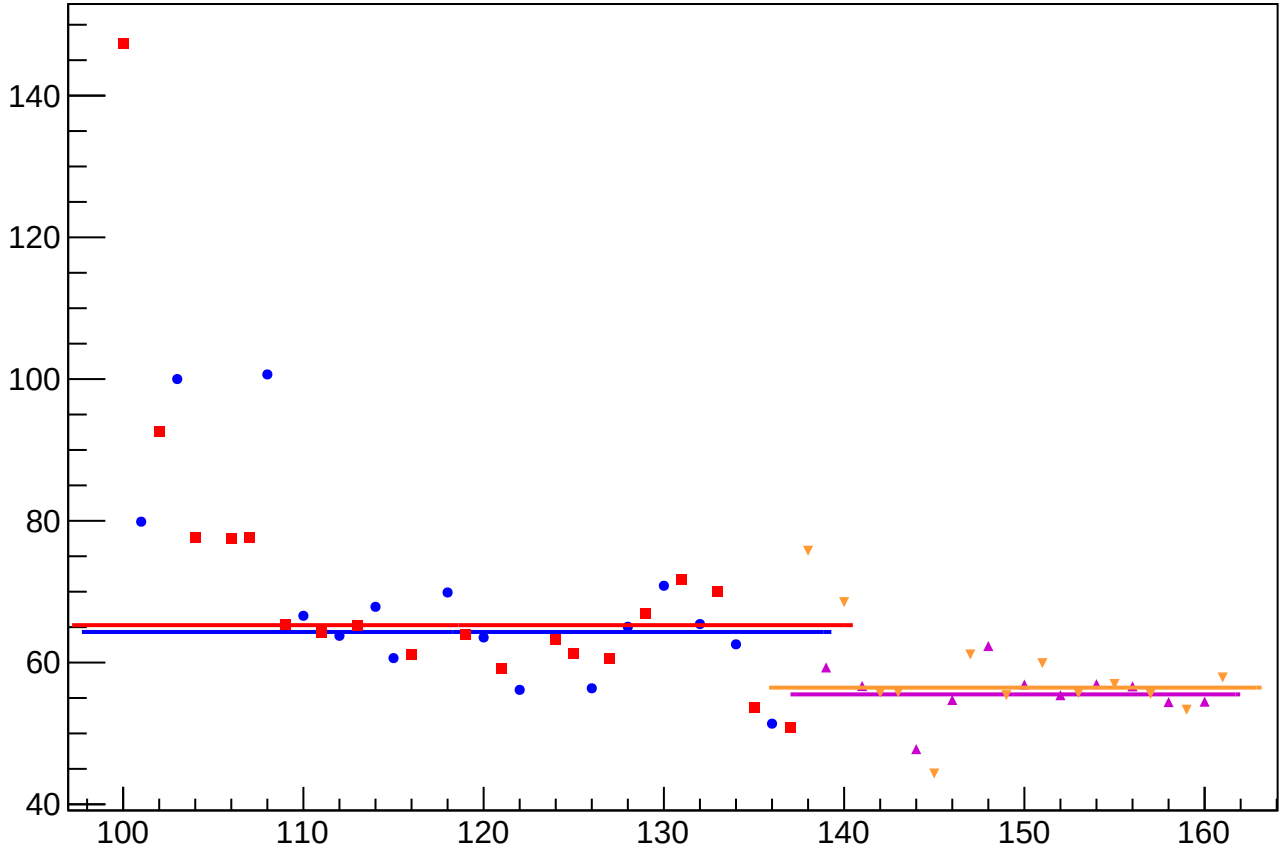
Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 12.017+/-14.596 χ^2/NDF:30.3/26

Out: -0.479+/-14.362 χ^2/NDF:36.0/31

All: 5.668+/-10.237 χ^2/NDF: 66.7/58

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.464+/-0.013 χ^2/NDF:289192.0/12

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.510+/-0.013 χ^2/NDF:76804.7/10

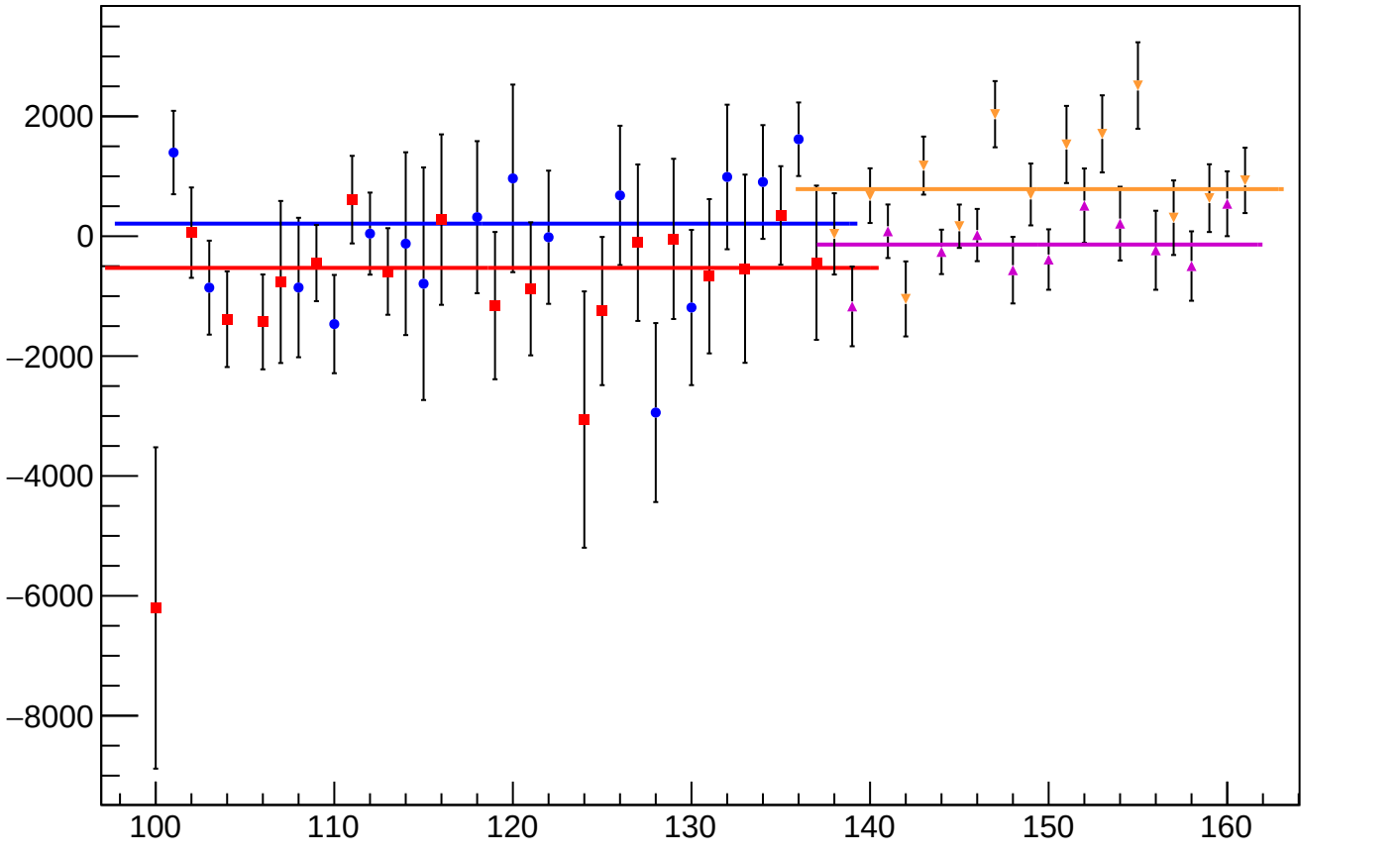
Left: 55.998+/-0.009 χ^2/NDF: 368809.1/23

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.638+/-0.010 χ^2/NDF:708494.6/26

Out: 59.536+/-0.010 χ^2/NDF:779354.5/31

All: 59.095+/-0.007 χ^2/NDF: 1491698.9/58



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.749+/-150.232 χ^2/NDF:28.4/12

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -139.118+/-156.309 χ^2/NDF:7.1/10

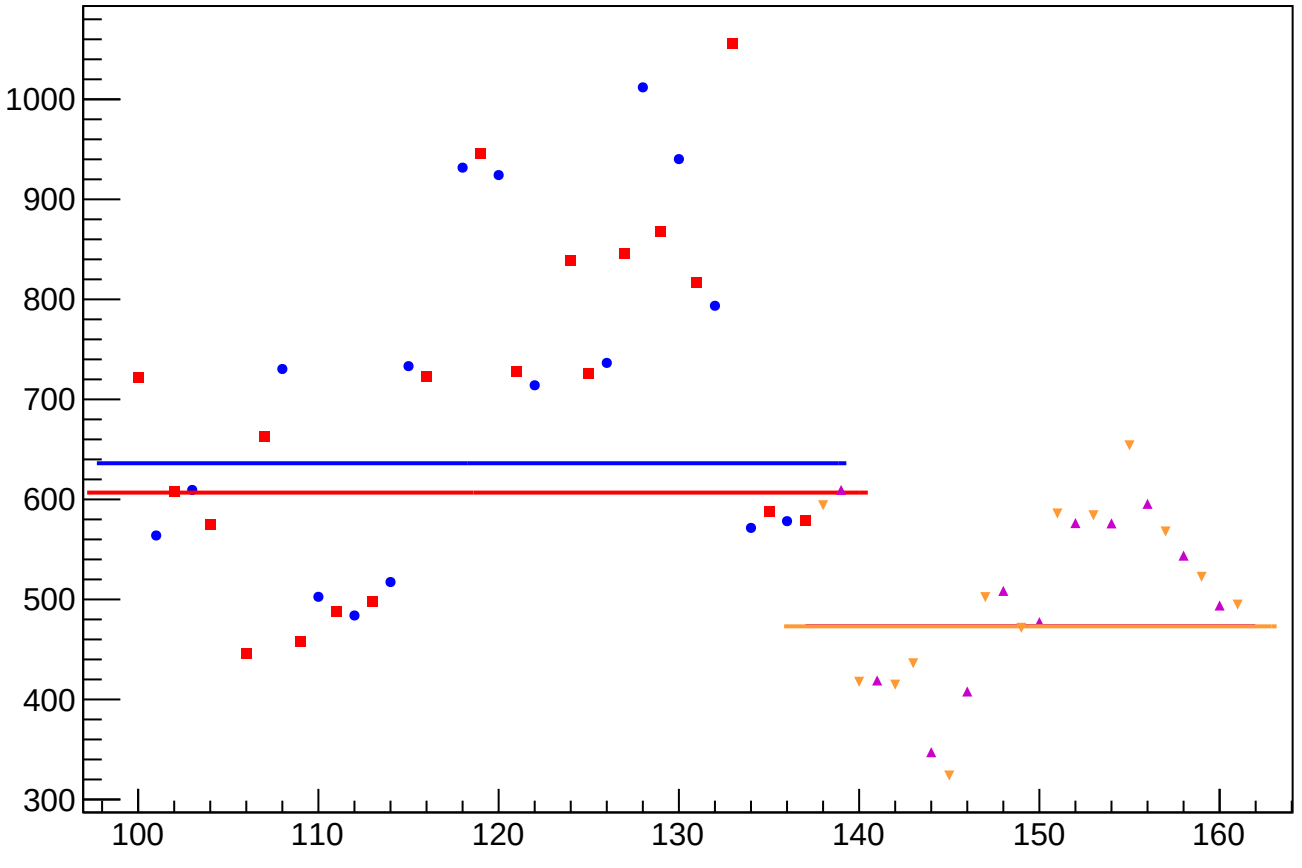
Left: 341.641+/-108.315 χ^2/NDF: 53.8/23

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -37.410+/-131.586 χ^2/NDF:31.0/26

Out: 391.891+/-125.725 χ^2/NDF:65.2/31

All: 187.013+/-90.903 χ^2/NDF: 101.8/58



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 473.085+/-0.106 χ^2/NDF:780261.4/12

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 473.437+/-0.111 χ^2/NDF:610117.8/10

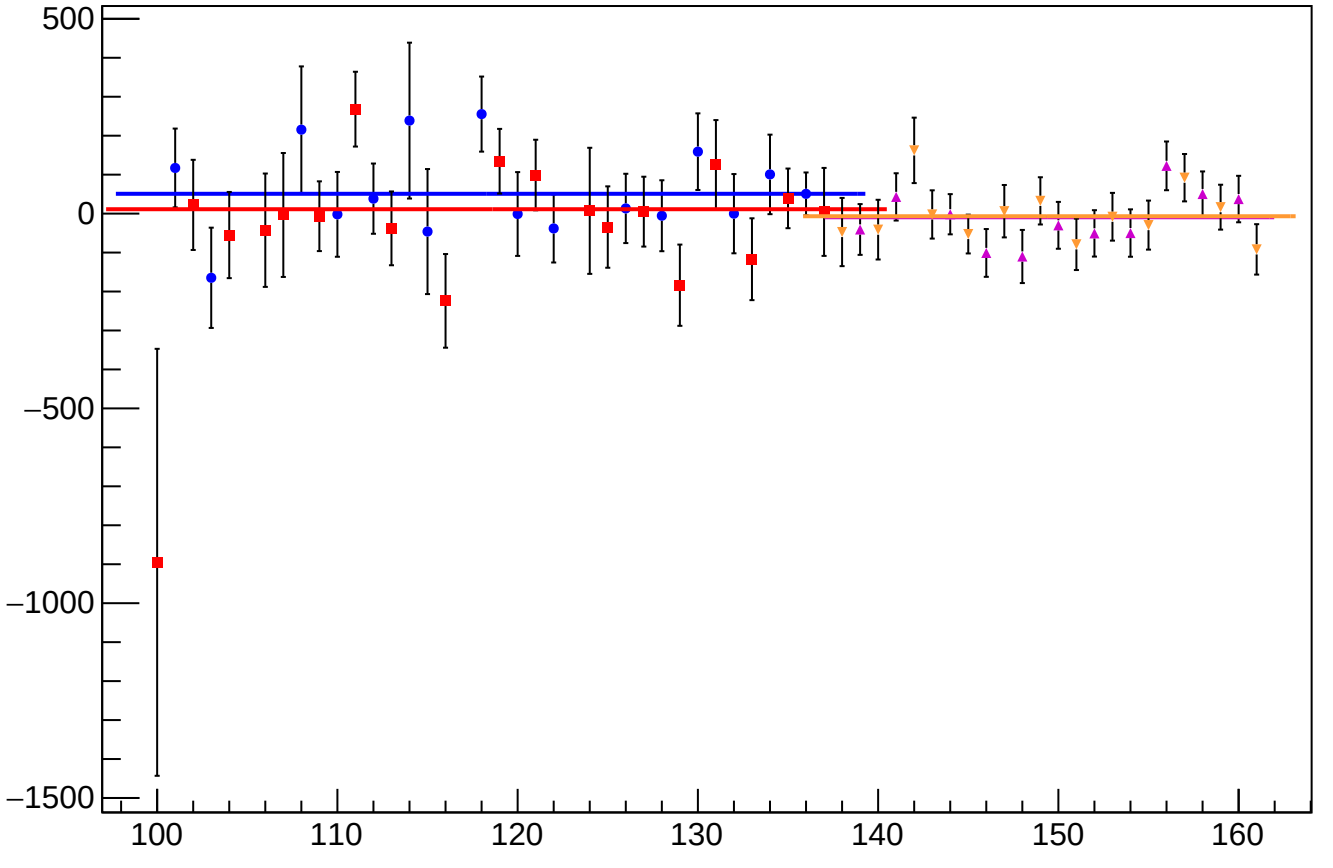
Left: 473.254+/-0.077 χ^2/NDF: 1390384.5/23

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 520.836+/-0.093 χ^2/NDF:1946656.5/26

Out: 513.153+/-0.089 χ^2/NDF:2148913.2/31

All: 516.820+/-0.064 χ^2/NDF: 4099134.4/58



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -6.763+/-17.794 χ^2/NDF:11.6/12

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -9.376+/-18.176 χ^2/NDF:12.6/10

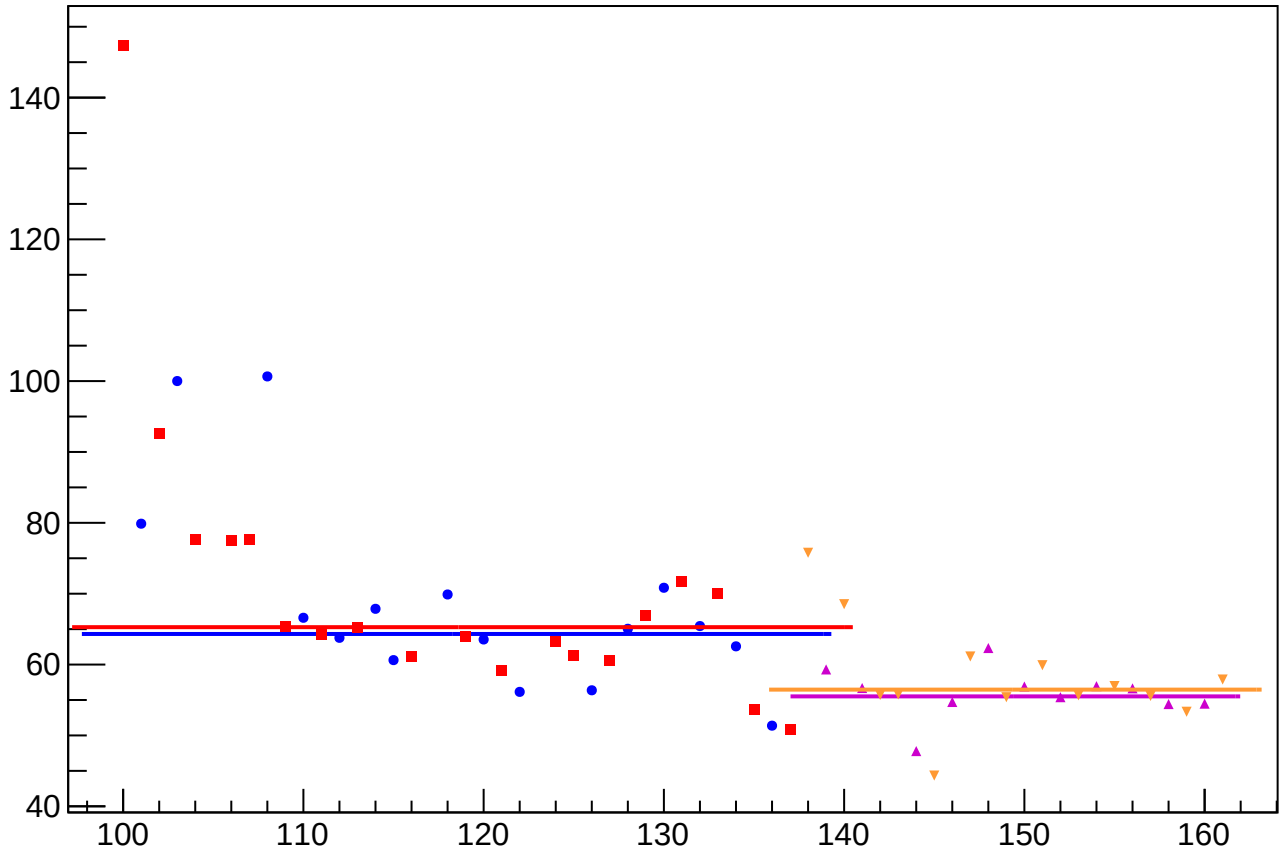
Left: -8.042+/-12.715 χ^2/NDF: 24.2/23

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 12.016+/-14.596 χ^2/NDF:30.3/26

Out: -0.480+/-14.362 χ^2/NDF:36.0/31

All: 5.667+/-10.237 χ^2/NDF: 66.7/58



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.464+/-0.013 χ^2/NDF:289178.4/12

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.511+/-0.013 χ^2/NDF:76800.2/10

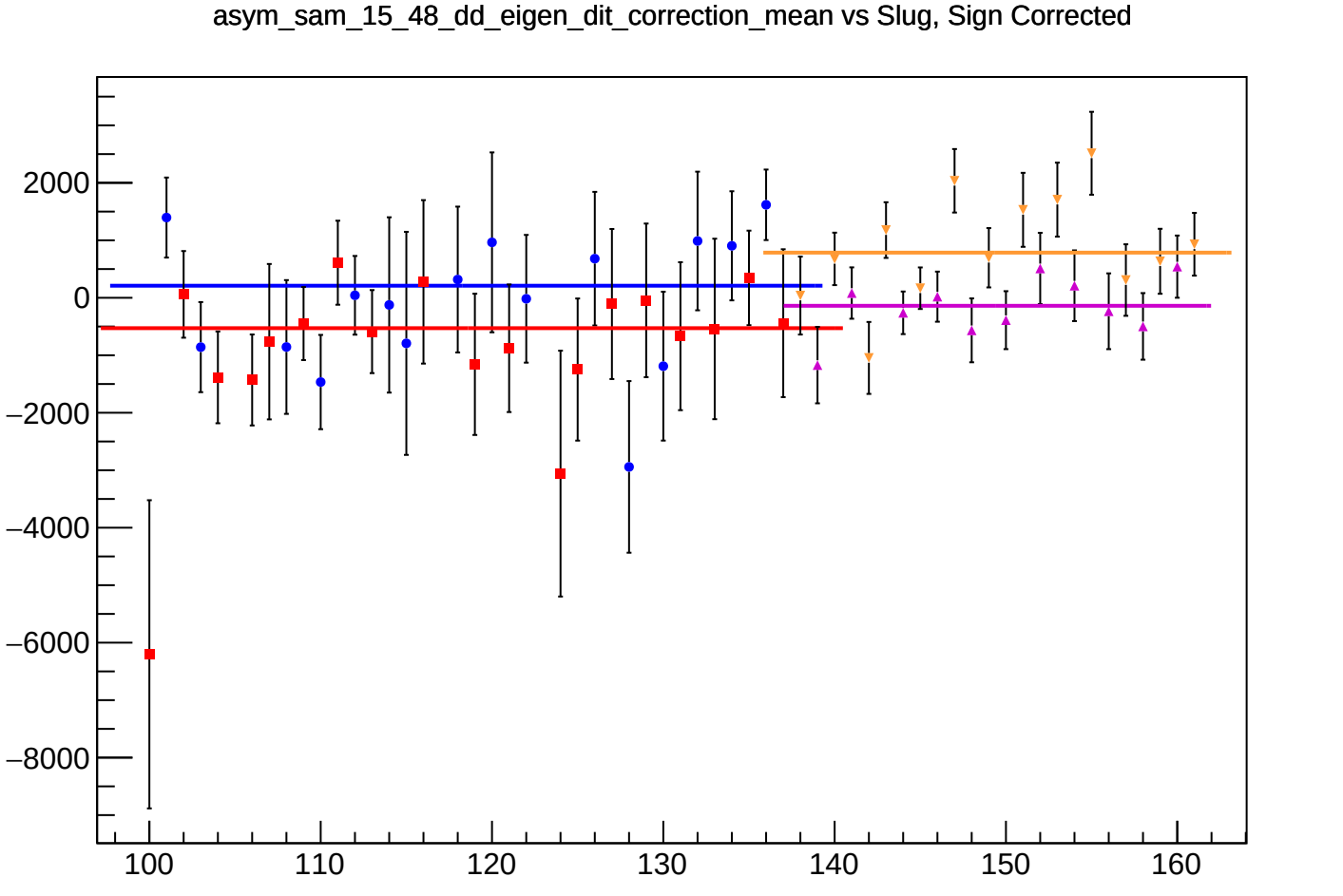
Left: 55.998+/-0.009 χ^2/NDF: 368791.4/23

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.638+/-0.010 χ^2/NDF:708481.8/26

Out: 59.537+/-0.010 χ^2/NDF:779333.1/31

All: 59.095+/-0.007 χ^2/NDF: 1491664.9/58



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.747+/-150.232 χ^2/NDF:28.4/12

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -139.117+/-156.308 χ^2/NDF:7.1/10

Left: 341.640+/-108.315 χ^2/NDF: 53.8/23

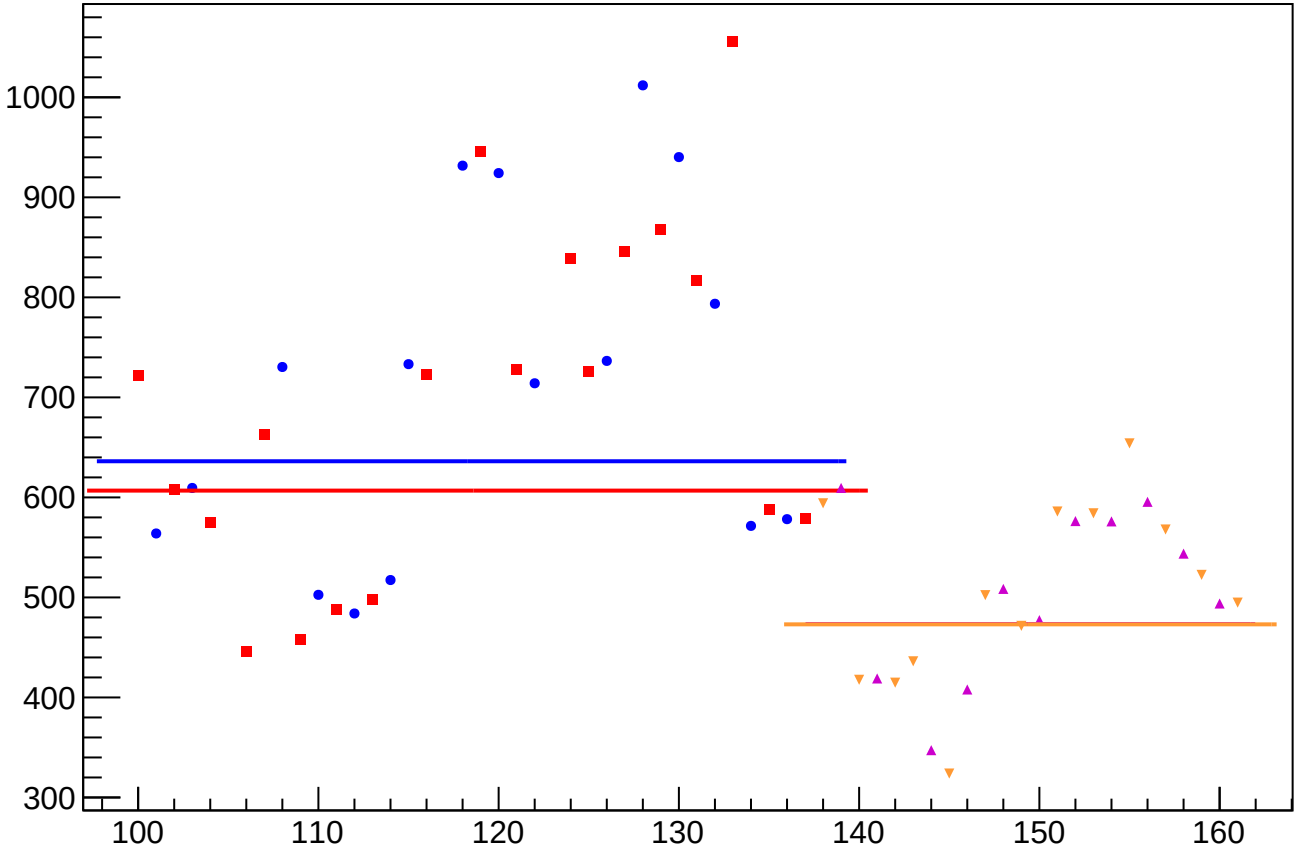
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -37.410+/-131.586 χ^2/NDF:31.0/26

Out: 391.890+/-125.725 χ^2/NDF:65.2/31

All: 187.013+/-90.902 χ^2/NDF: 101.8/58

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: 473.084+/-0.106 χ^2/NDF:780268.3/12

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 473.437+/-0.111 χ^2/NDF:610118.2/10

Left: 473.253+/-0.077 χ^2/NDF: 1390391.8/23

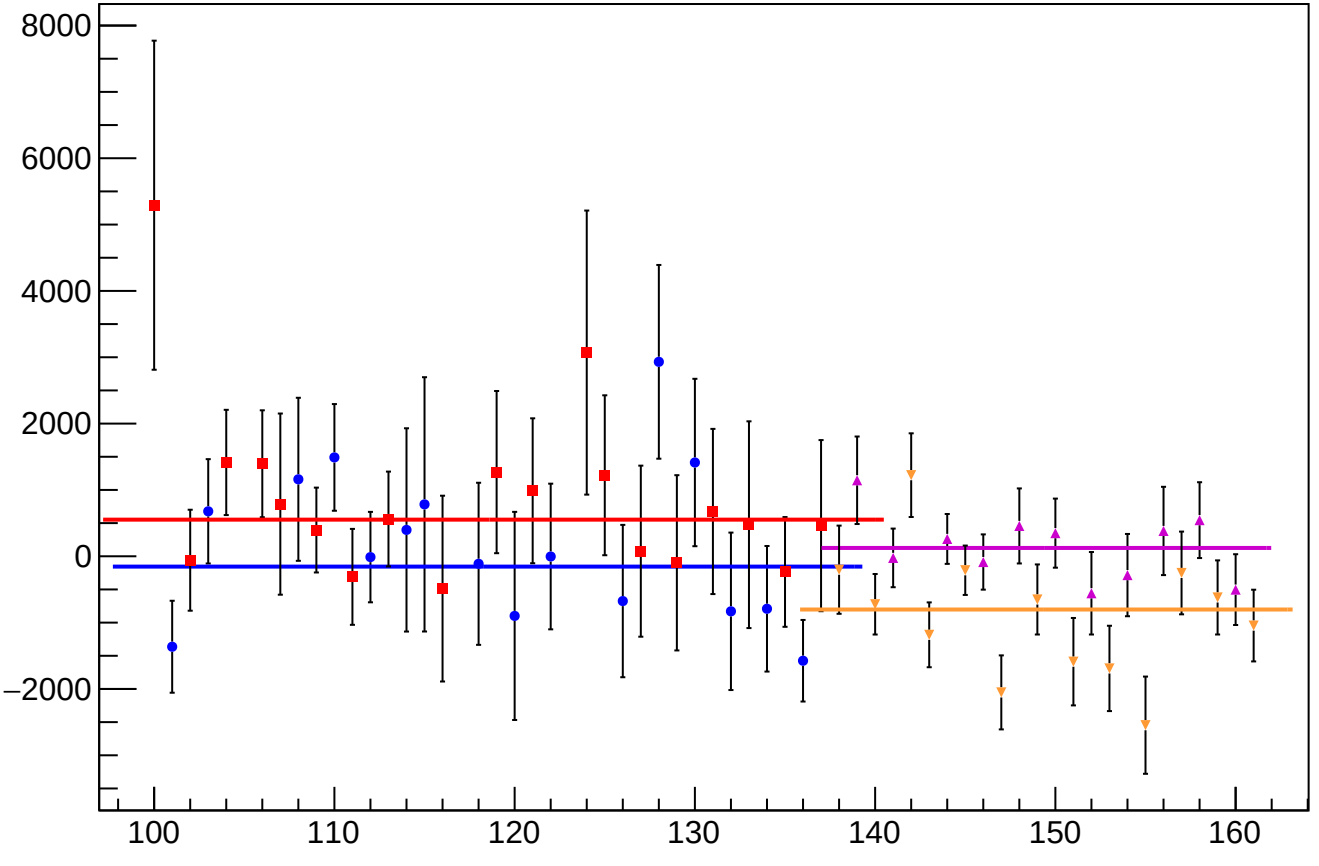
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 520.835+/-0.093 χ^2/NDF:1946661.7/26

Out: 513.152+/-0.089 χ^2/NDF:2148925.5/31

All: 516.819+/-0.064 χ^2/NDF: 4099152.0/58

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -802.434+/-151.490 χ^2/NDF:29.5/12

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 125.551+/-155.986 χ^2/NDF:7.1/10

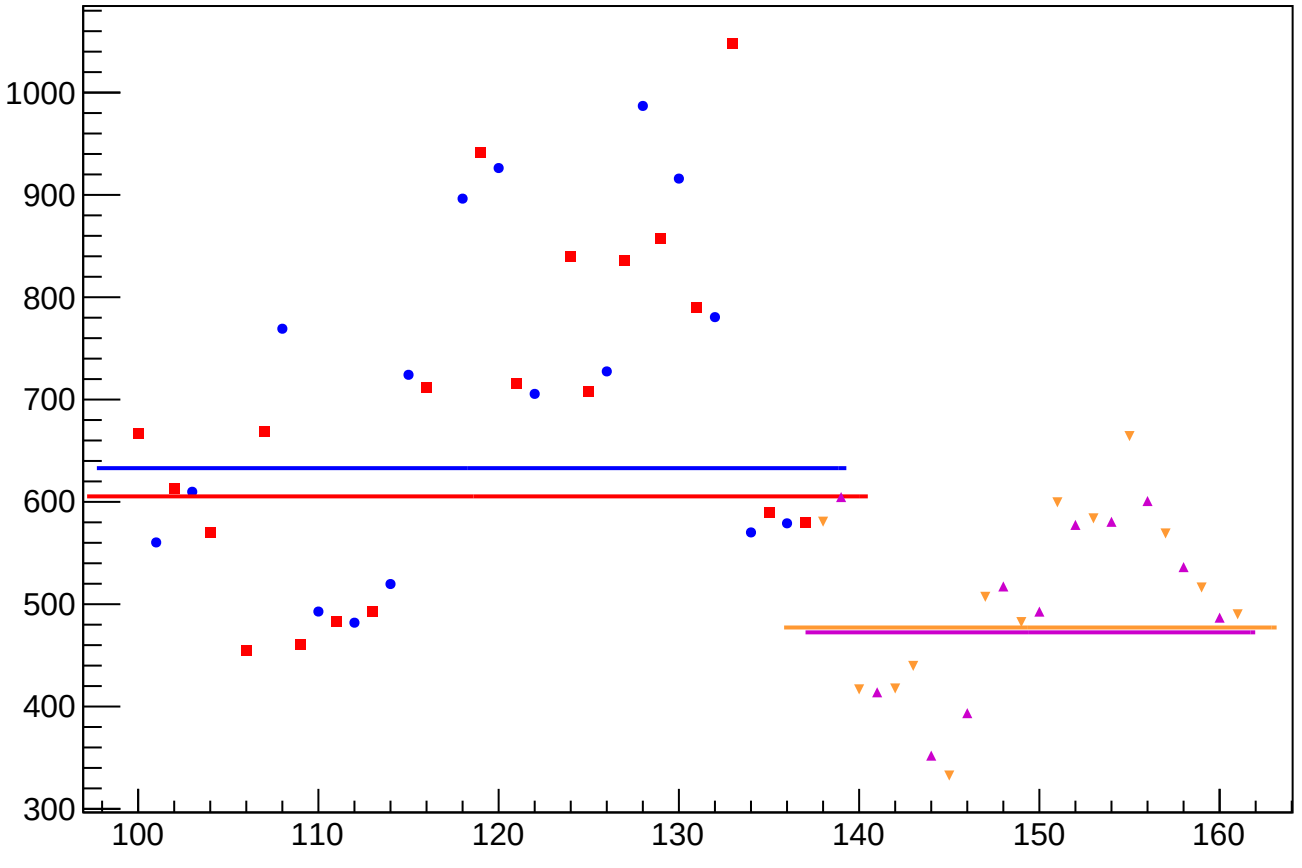
Left: -352.008+/-108.674 χ^2/NDF: 54.8/23

Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 43.299+/-131.204 χ^2/NDF:30.6/26

Out: -389.809+/-126.327 χ^2/NDF:66.0/31

All: -181.453+/-91.002 χ^2/NDF: 102.2/58



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 477.245+/-0.107 χ^2/NDF:730126.6/12

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 472.496+/-0.110 χ^2/NDF:626955.0/10

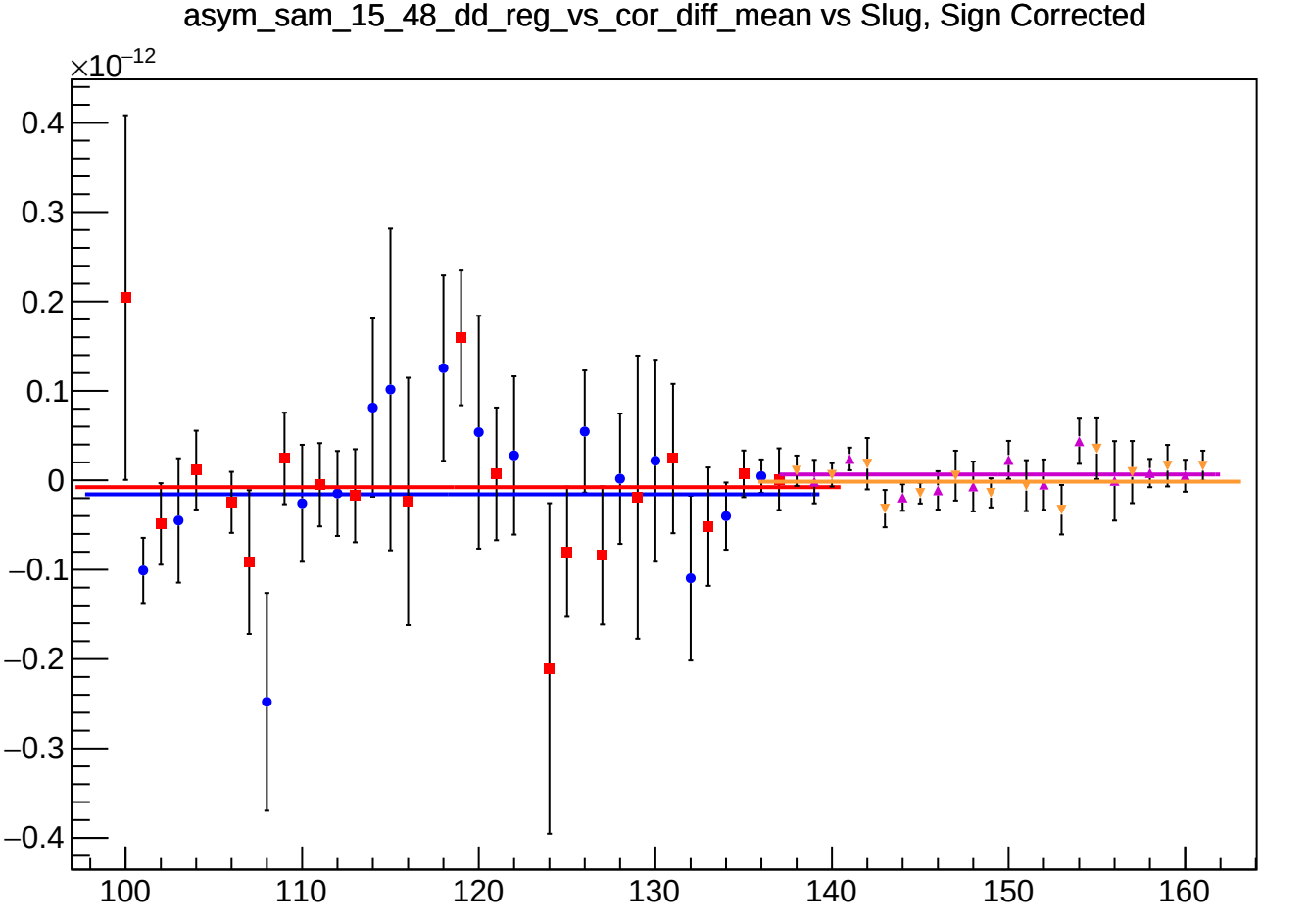
Left: 474.940+/-0.077 χ^2/NDF: 1358035.8/23

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 519.434+/-0.093 χ^2/NDF:1927221.2/26

Out: 516.274+/-0.089 χ^2/NDF:2019925.8/31

All: 517.794+/-0.064 χ^2/NDF: 3947748.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/10

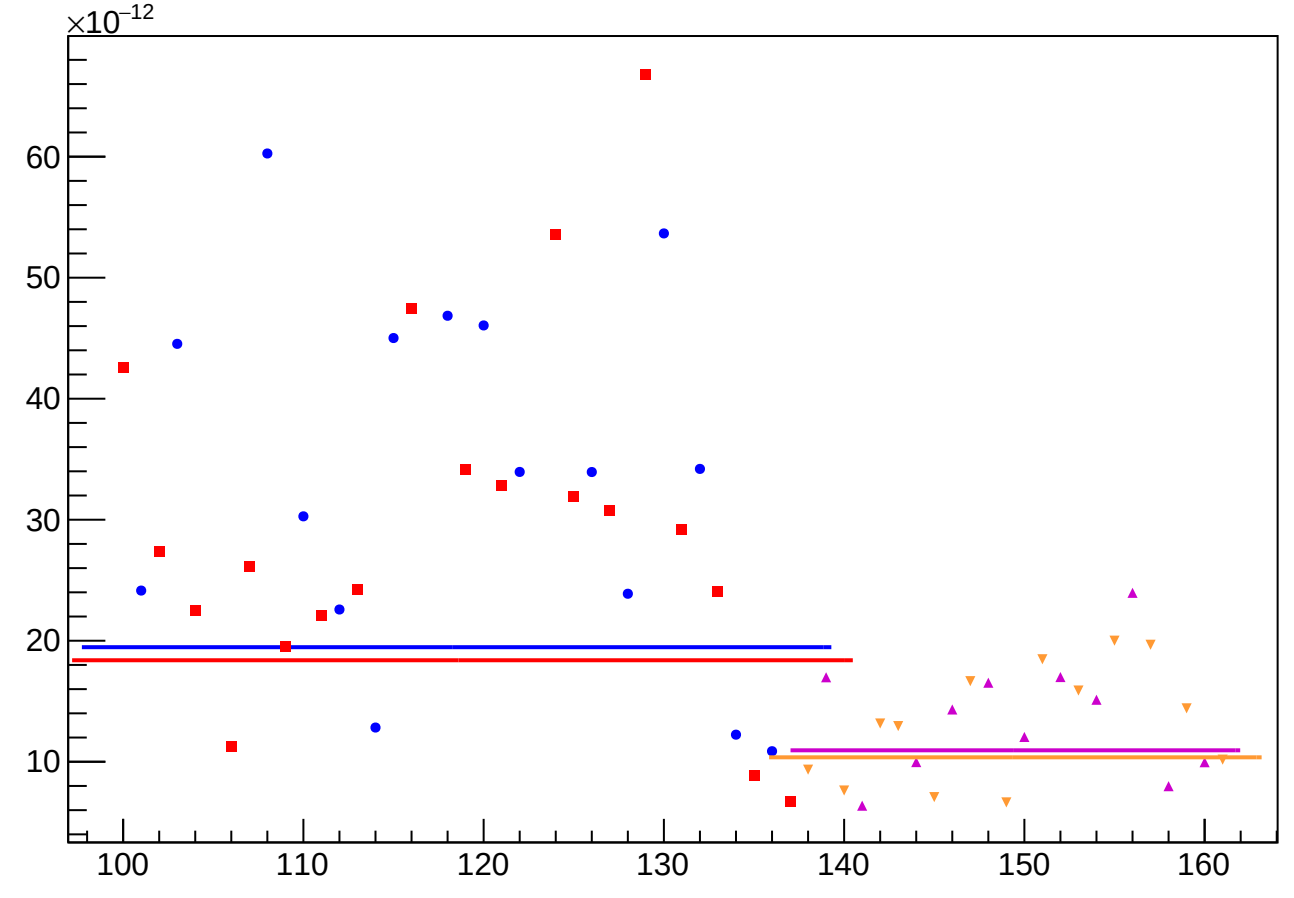
Left: 0.000+/-0.000 χ^2/NDF: 19.5/23

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/26

Out: -0.000+/-0.000 χ^2/NDF:22.8/31

All: -0.000+/-0.000 χ^2/NDF: 51.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114777.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:923251.9/10

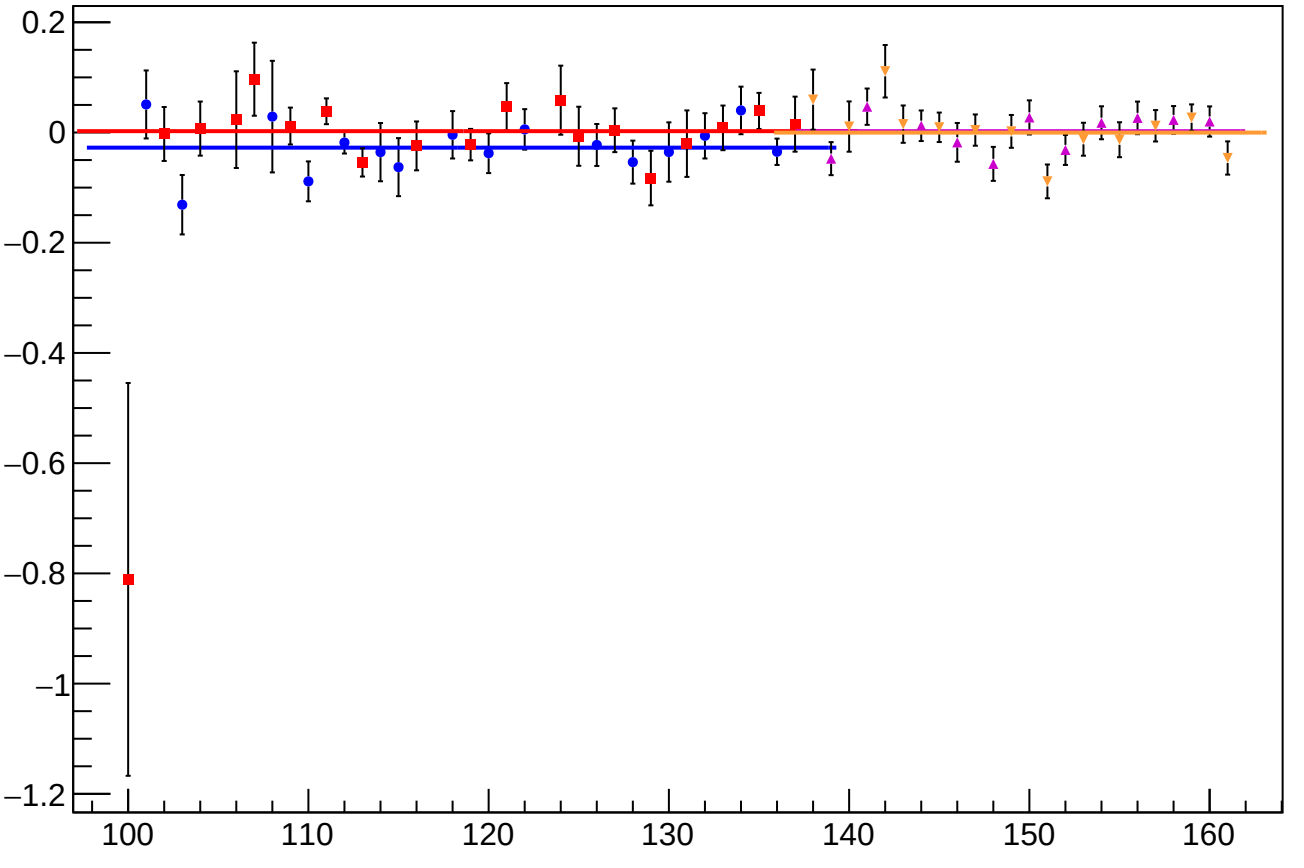
Left: 0.000+/-0.000 χ^2/NDF: 2048574.7/23

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3407595.2/26

Out: 0.000+/-0.000 χ^2/NDF:3287899.8/31

All: 0.000+/-0.000 χ^2/NDF: 6720379.0/58



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/10

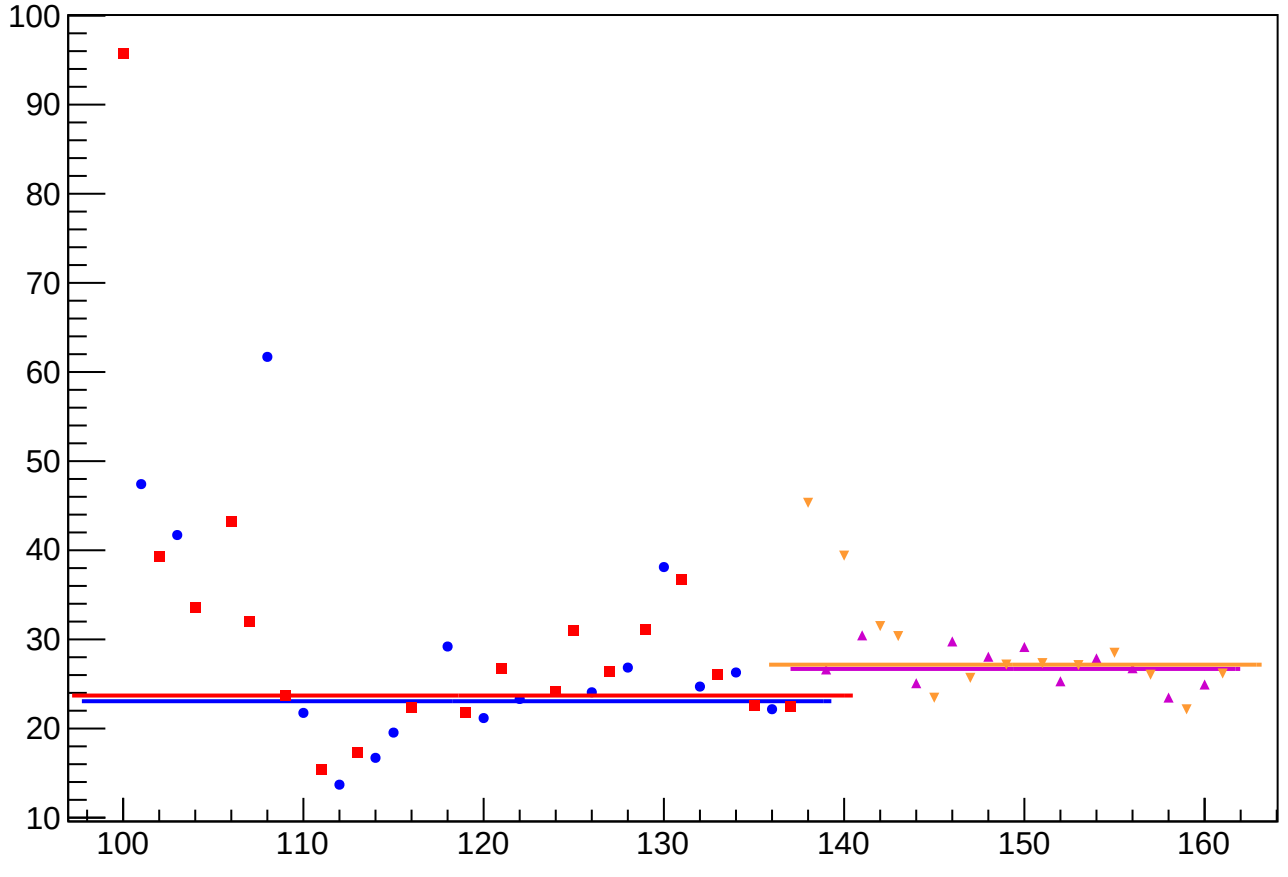
Left: 0.001+/-0.006 χ^2/NDF: 32.6/23

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.001+/-0.006 χ^2/NDF:41.7/31

All: -0.005+/-0.005 χ^2/NDF: 75.7/58



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.166+/-0.006 χ^2/NDF:539848.9/12

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.687+/-0.006 χ^2/NDF:113965.9/10

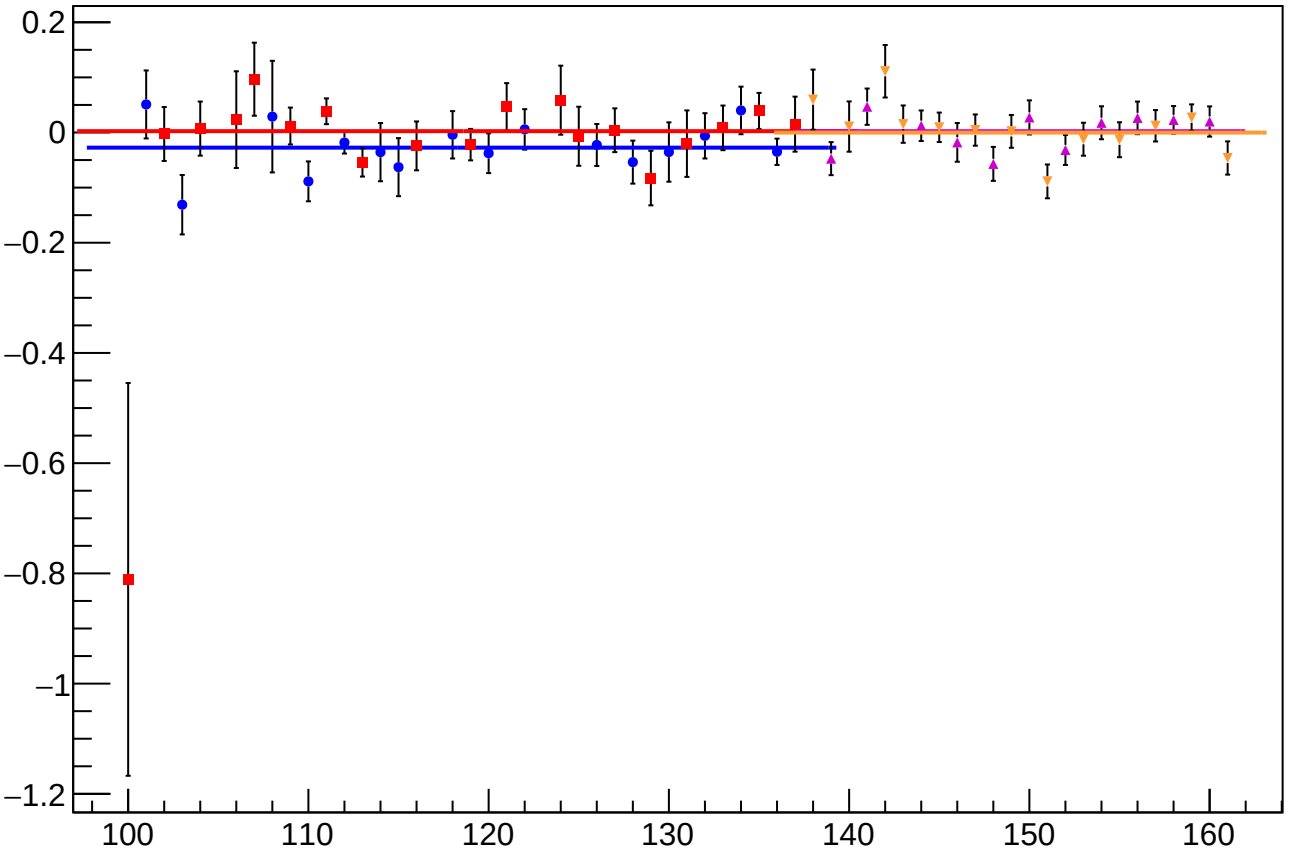
Left: 26.930+/-0.004 χ^2/NDF: 656783.9/23

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.984+/-0.005 χ^2/NDF:1835860.0/26

Out: 25.543+/-0.004 χ^2/NDF:1775996.6/31

All: 25.267+/-0.003 χ^2/NDF: 3619480.8/58



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/10

Left: 0.001+/-0.006 χ^2/NDF: 32.6/23

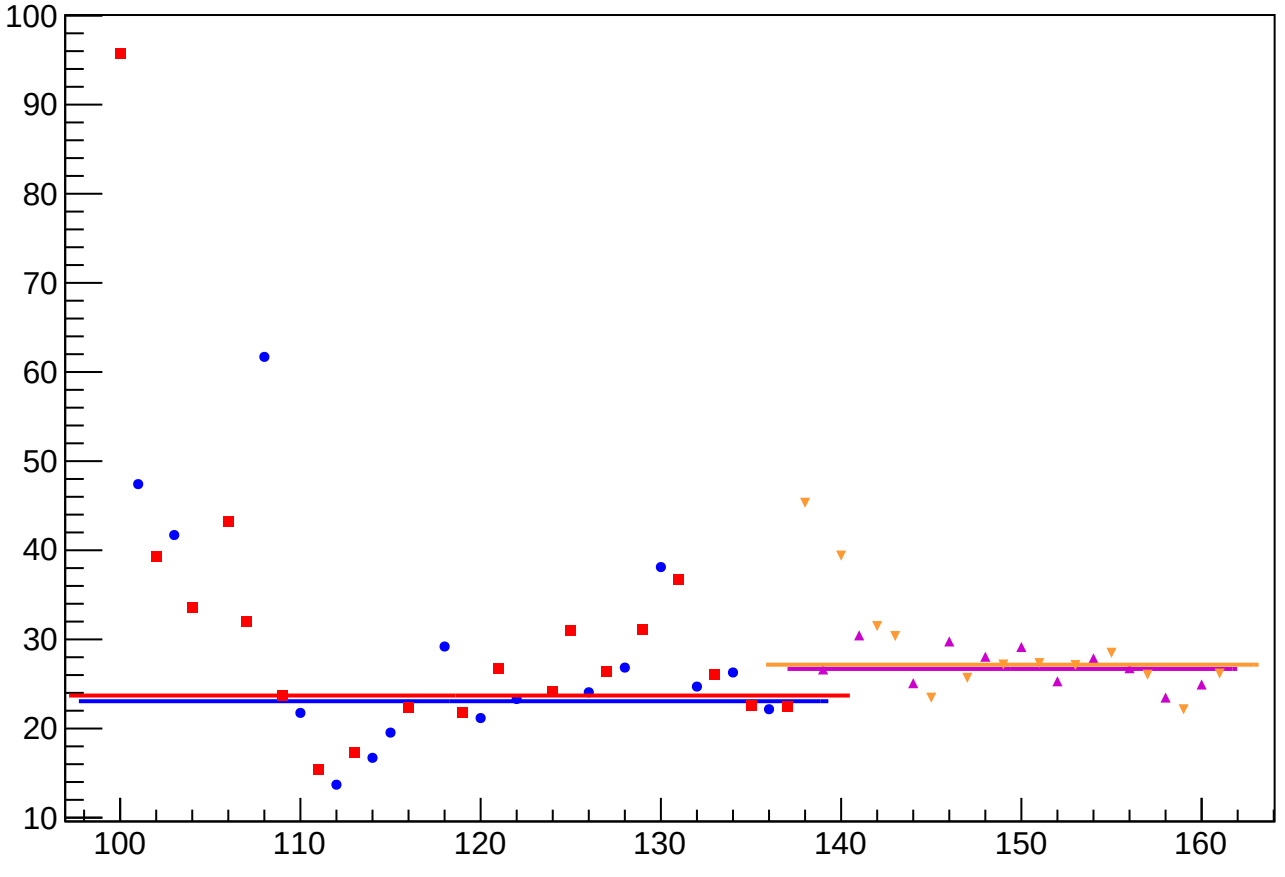
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.001+/-0.006 χ^2/NDF:41.7/31

All: -0.005+/-0.005 χ^2/NDF: 75.7/58

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.166+/-0.006 χ^2/NDF:539848.9/12

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.687+/-0.006 χ^2/NDF:113965.9/10

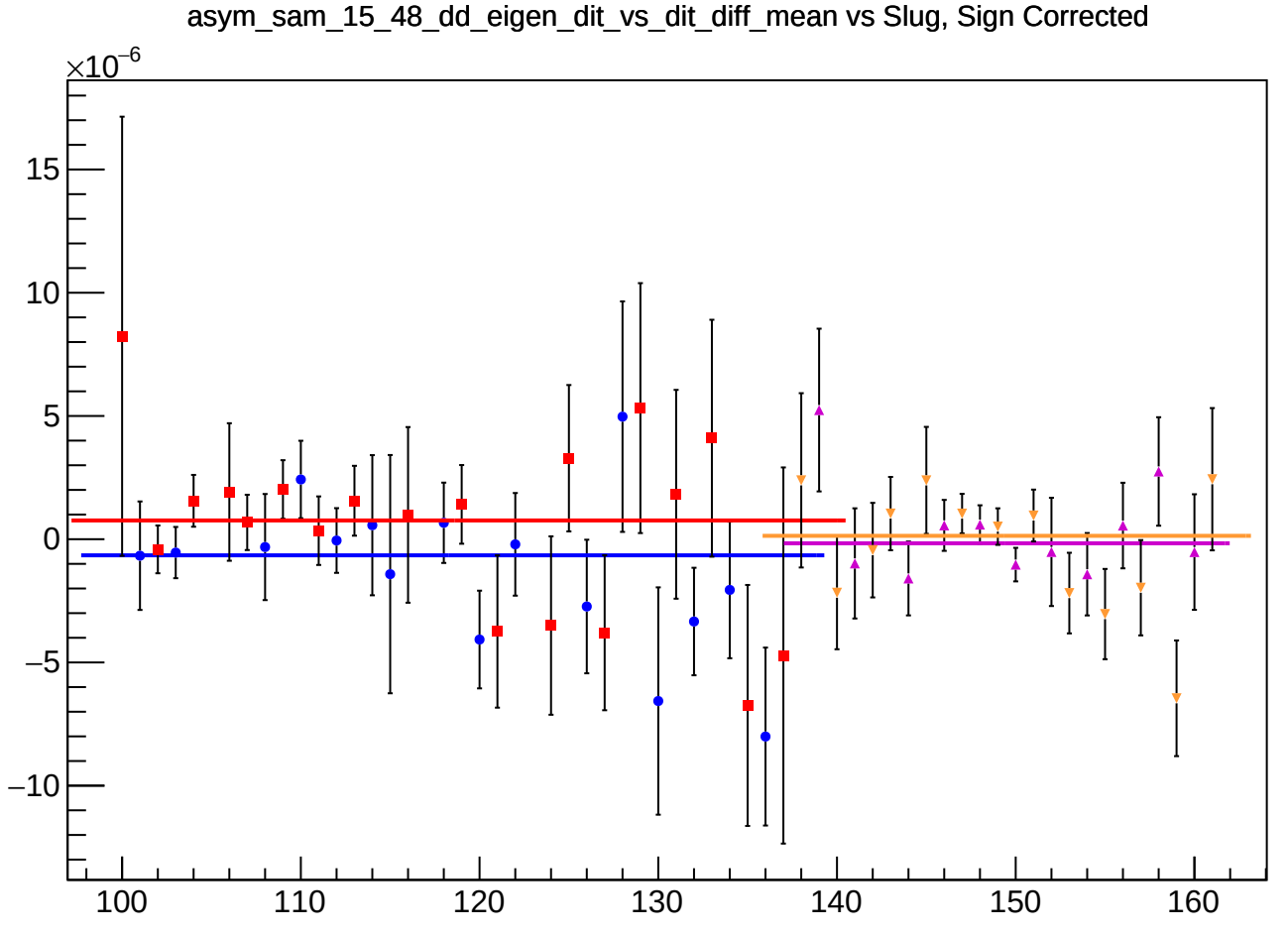
Left: 26.930+/-0.004 χ^2/NDF: 656783.9/23

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.984+/-0.005 χ^2/NDF:1835860.0/26

Out: 25.543+/-0.004 χ^2/NDF:1775996.6/31

All: 25.267+/-0.003 χ^2/NDF: 3619480.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/10

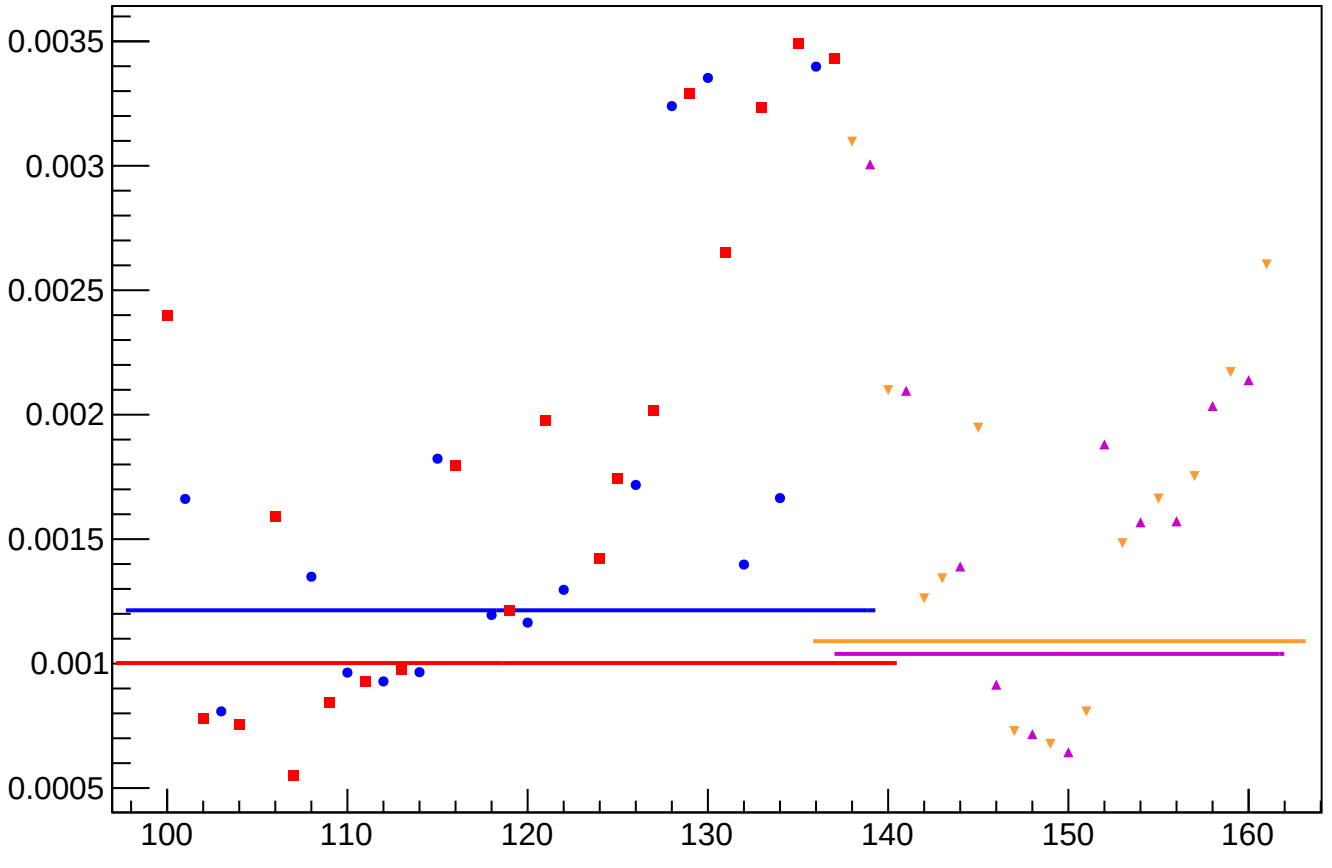
Left: -0.000+/-0.000 χ^2/NDF: 29.4/23

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/26

Out: 0.000+/-0.000 χ^2/NDF:36.2/31

All: 0.000+/-0.000 χ^2/NDF: 67.1/58



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4108761.6/12

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3840974.2/10

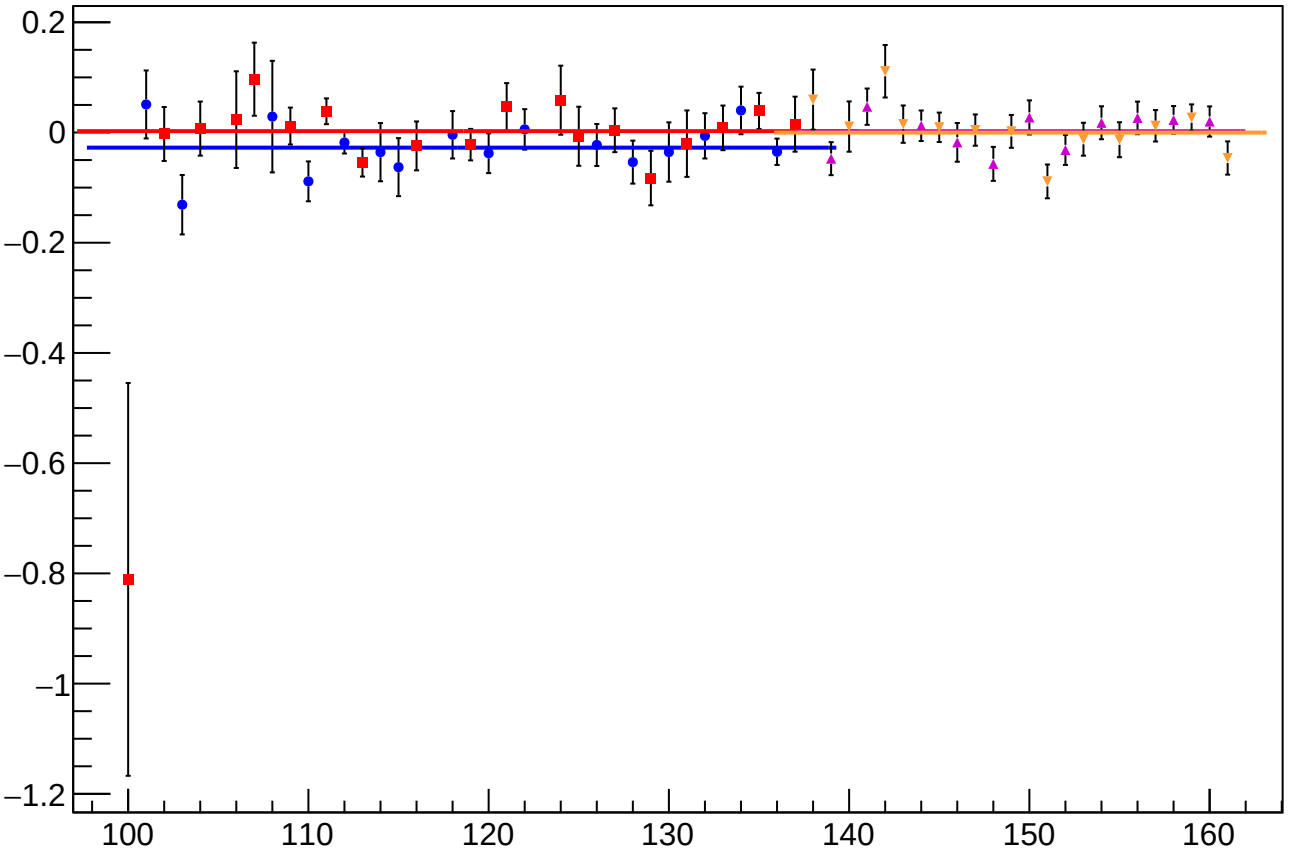
Left: 0.001+/-0.000 χ^2/NDF: 7967343.2/23

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6262626.9/26

Out: 0.001+/-0.000 χ^2/NDF:7433650.5/31

All: 0.001+/-0.000 χ^2/NDF: 13730410.9/58



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/10

Left: 0.001+/-0.006 χ^2/NDF: 32.6/23

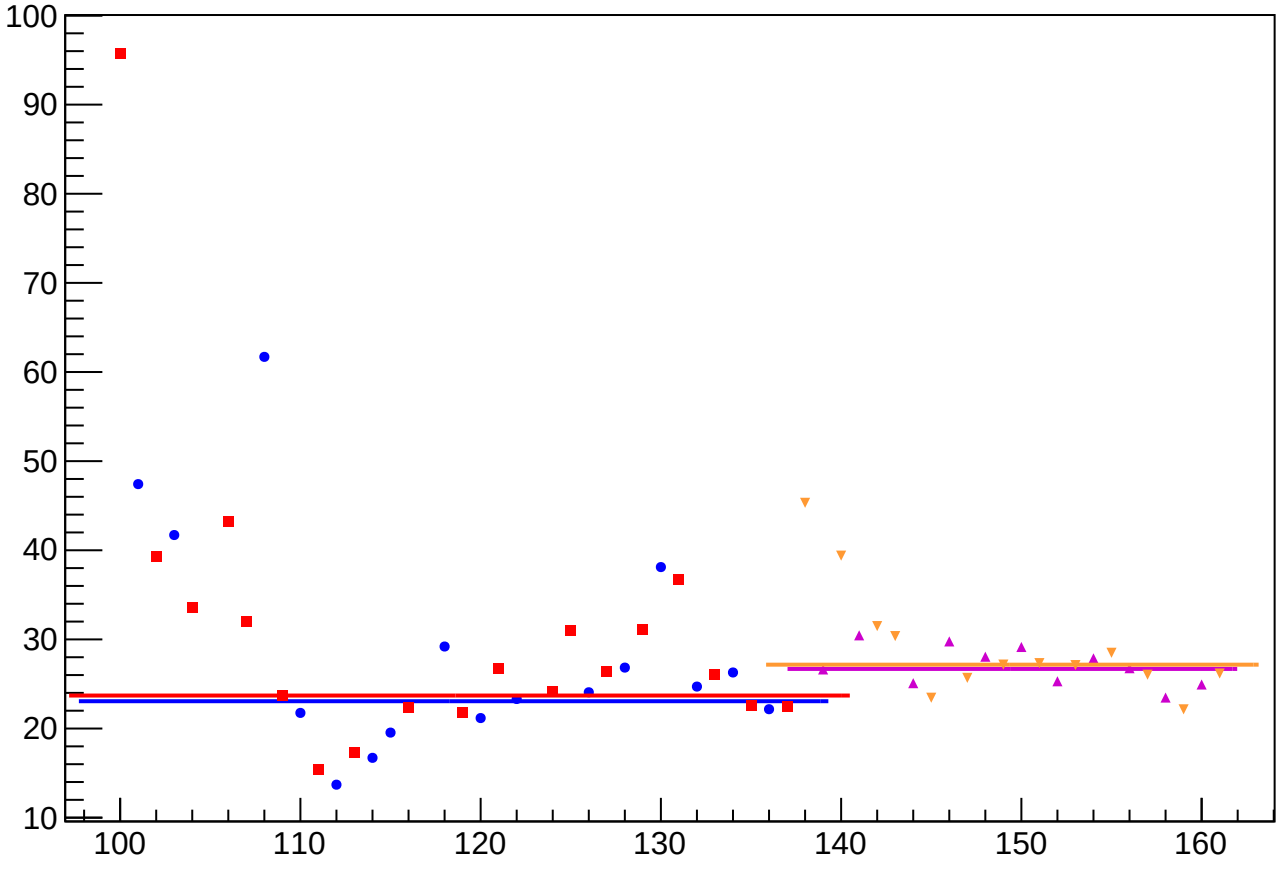
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.001+/-0.006 χ^2/NDF:41.7/31

All: -0.005+/-0.005 χ^2/NDF: 75.6/58

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.166+/-0.006 χ^2/NDF:539805.2/12

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

Left: 26.930+/-0.004 χ^2/NDF: 656728.6/23

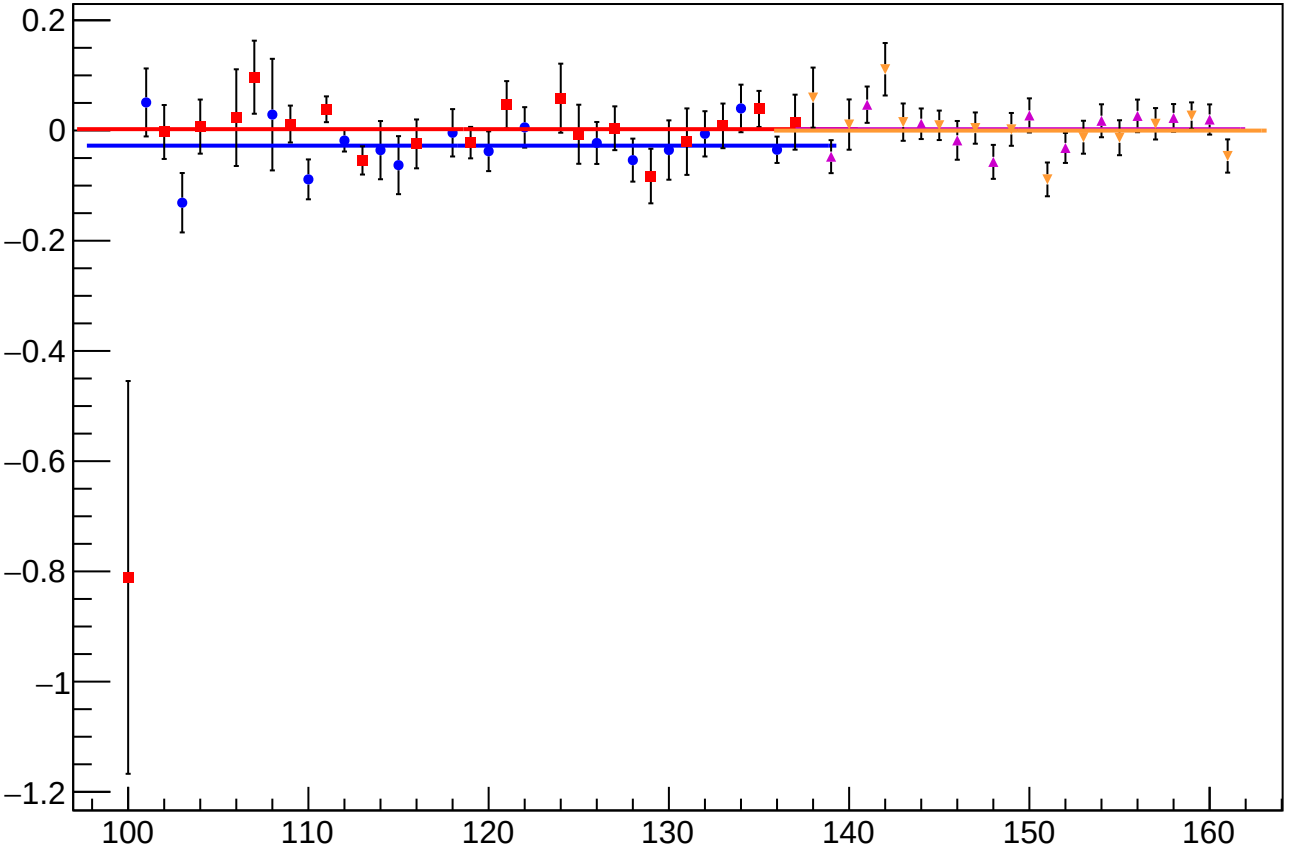
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.984+/-0.005 χ^2/NDF:1835898.8/26

Out: 25.543+/-0.004 χ^2/NDF:1776041.6/31

All: 25.267+/-0.003 χ^2/NDF: 3619565.8/58

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/10

Left: 0.001+/-0.006 χ^2/NDF: 32.6/23

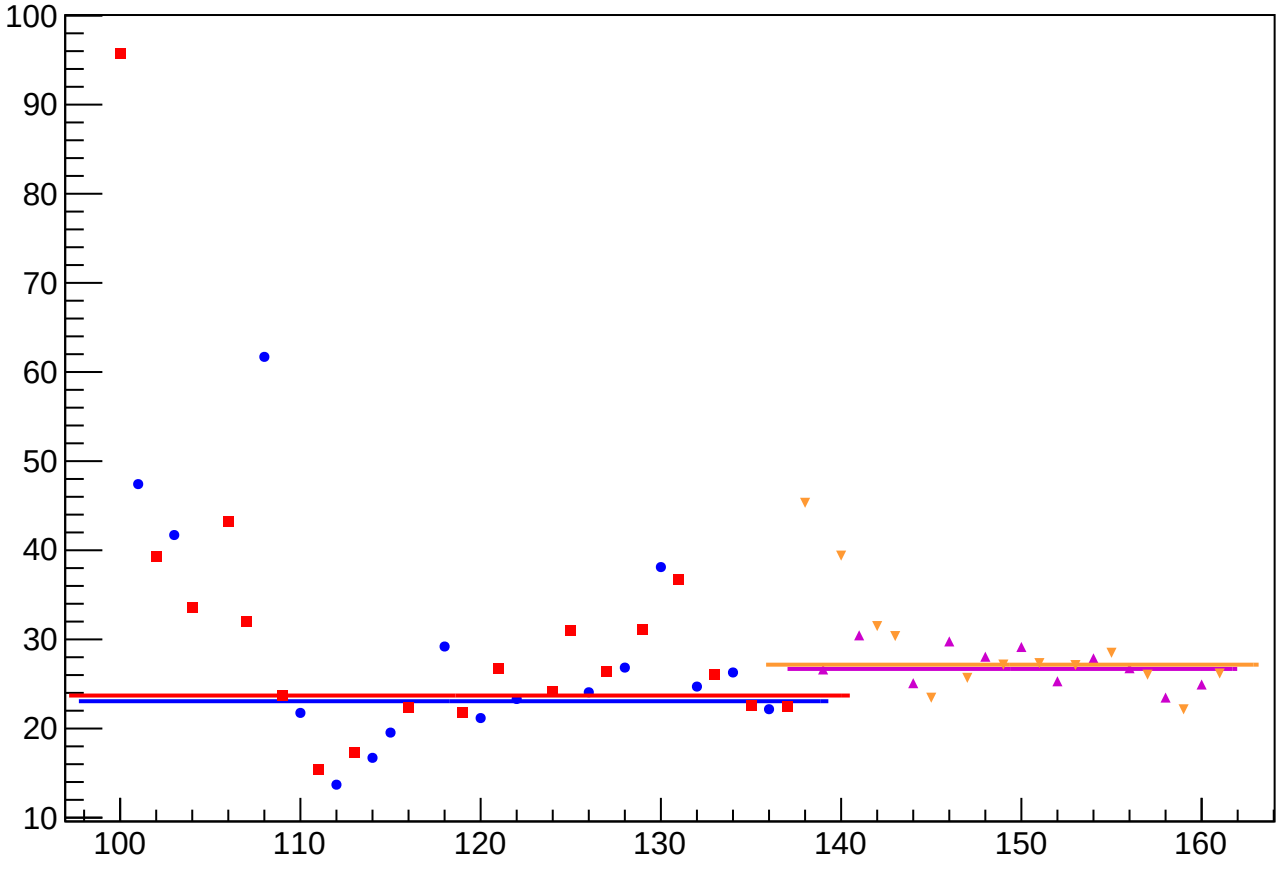
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:32.0/26

Out: 0.001+/-0.006 χ^2/NDF:41.7/31

All: -0.005+/-0.005 χ^2/NDF: 75.6/58

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.166+/-0.006 χ^2/NDF:539805.2/12

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

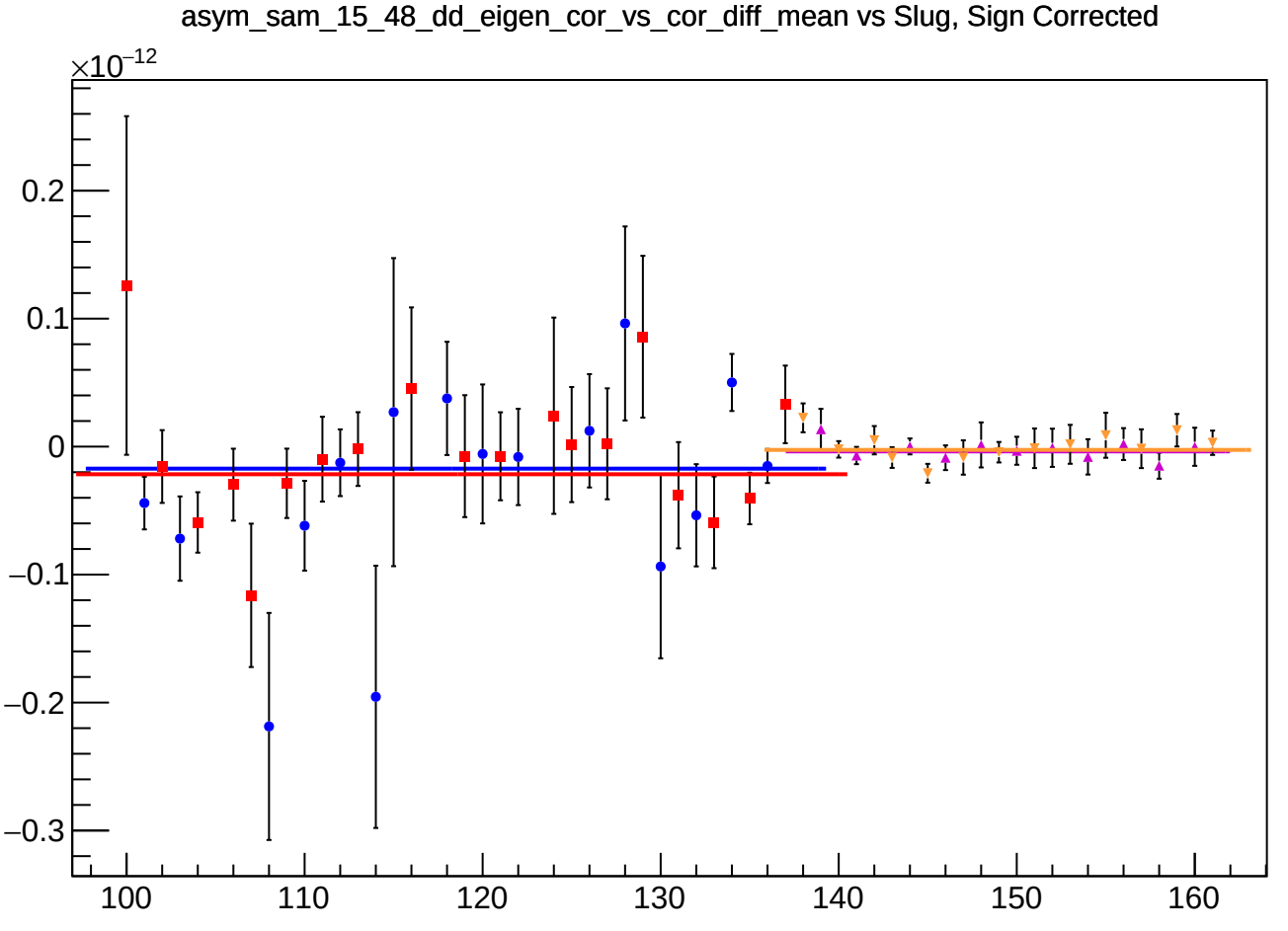
Left: 26.930+/-0.004 χ^2/NDF: 656728.6/23

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.984+/-0.005 χ^2/NDF:1835898.8/26

Out: 25.543+/-0.004 χ^2/NDF:1776041.6/31

All: 25.267+/-0.003 χ^2/NDF: 3619565.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/10

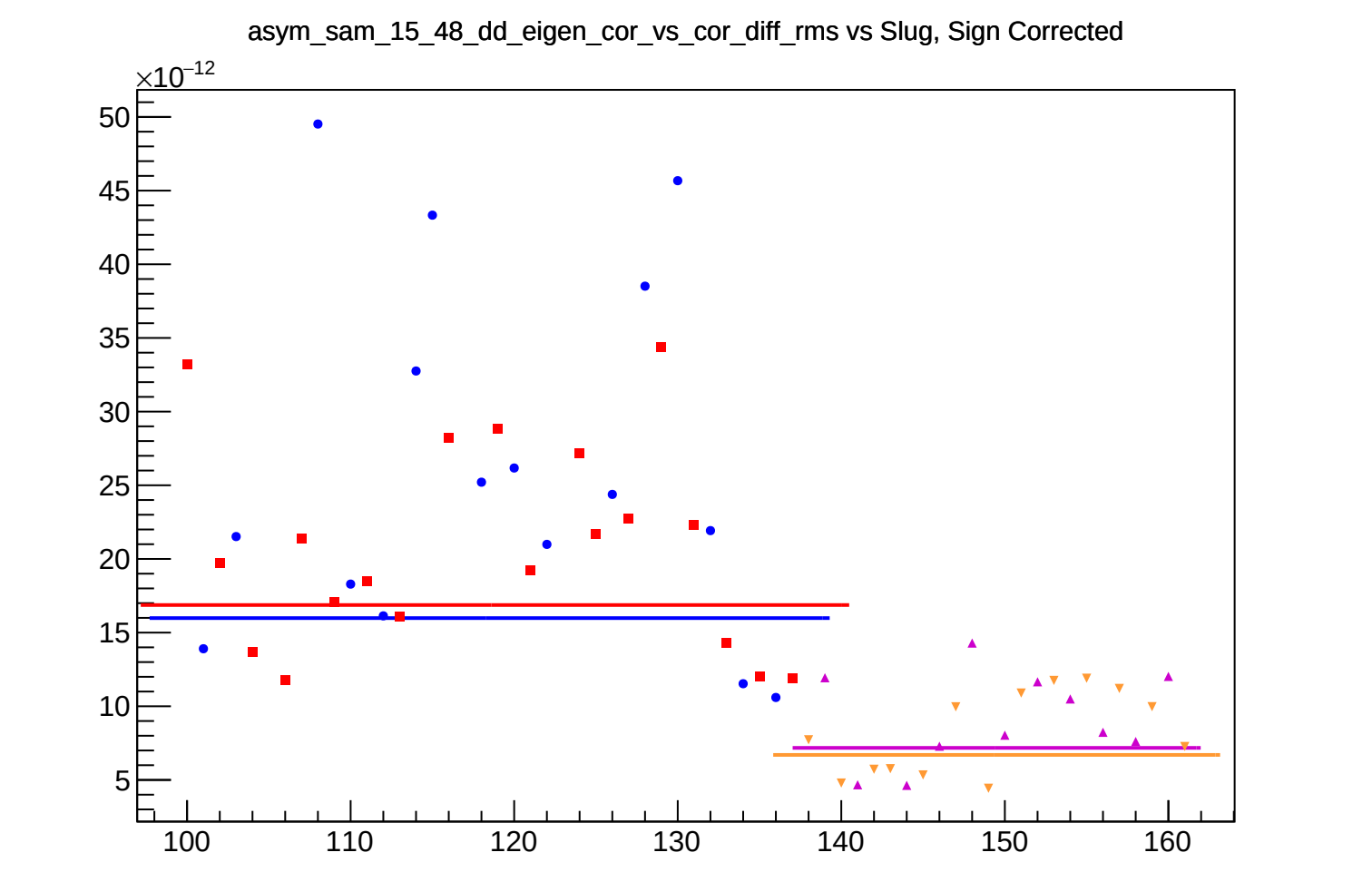
Left: -0.000+/-0.000 χ^2/NDF: 18.5/23

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.2/26

Out: -0.000+/-0.000 χ^2/NDF:37.9/31

All: -0.000+/-0.000 χ^2/NDF: 74.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1440734.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1653417.1/10

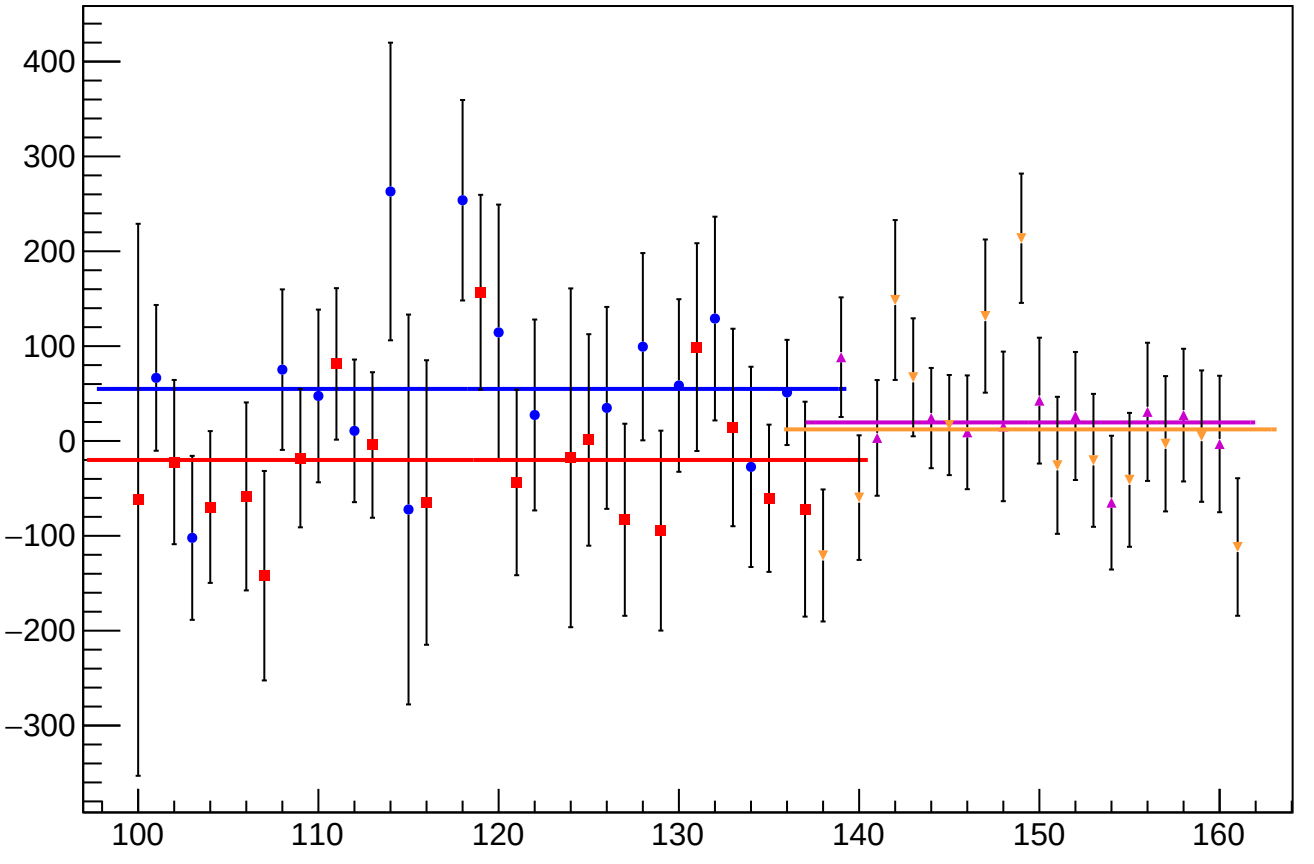
Left: 0.000+/-0.000 χ^2/NDF: 3120330.7/23

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5638894.9/26

Out: 0.000+/-0.000 χ^2/NDF:5229078.7/31

All: 0.000+/-0.000 χ^2/NDF: 10908359.4/58



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 12.219+/-19.048 χ^2/NDF:23.2/12

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 19.555+/-19.799 χ^2/NDF:3.0/10

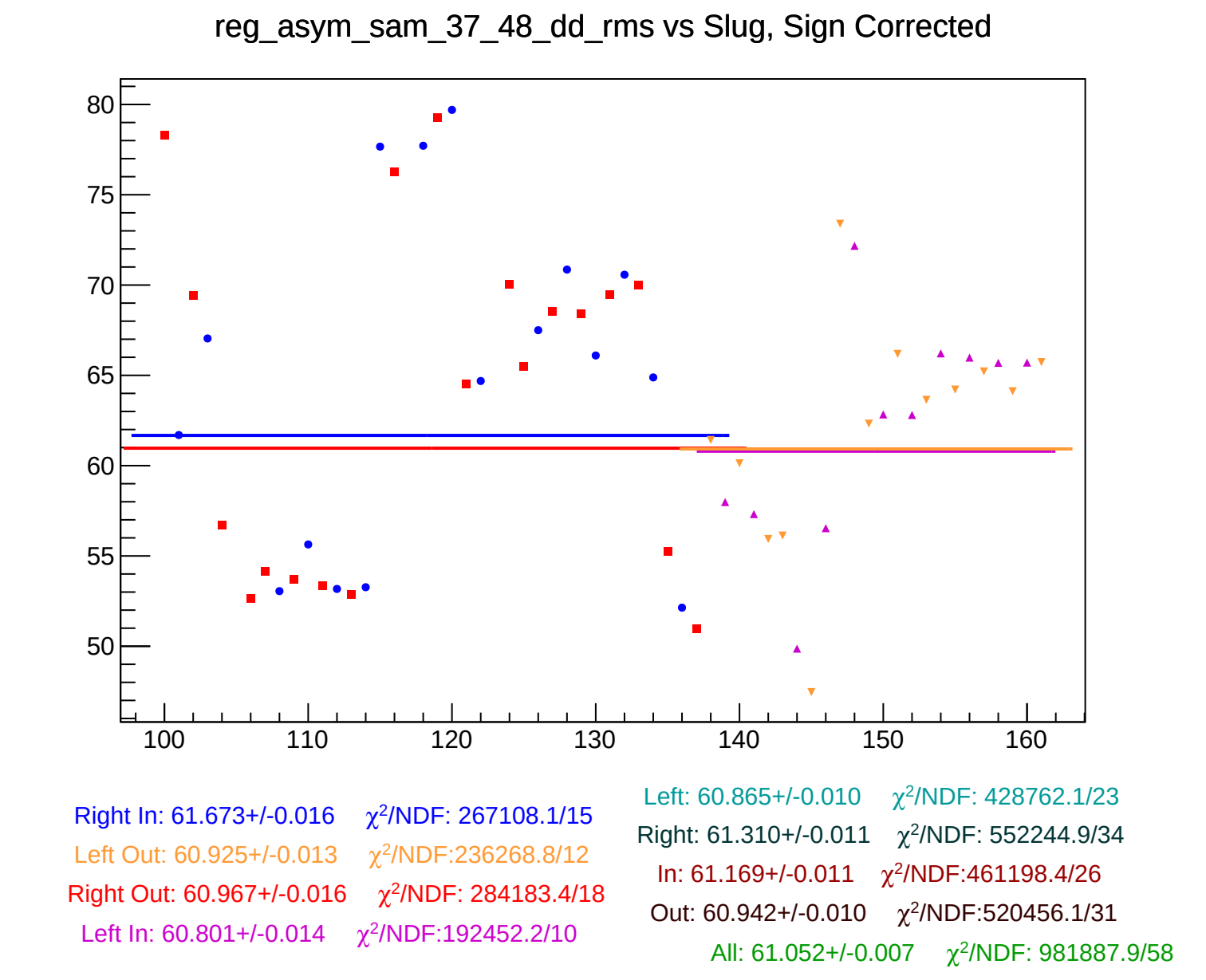
Left: 15.745+/-13.727 χ^2/NDF: 26.3/23

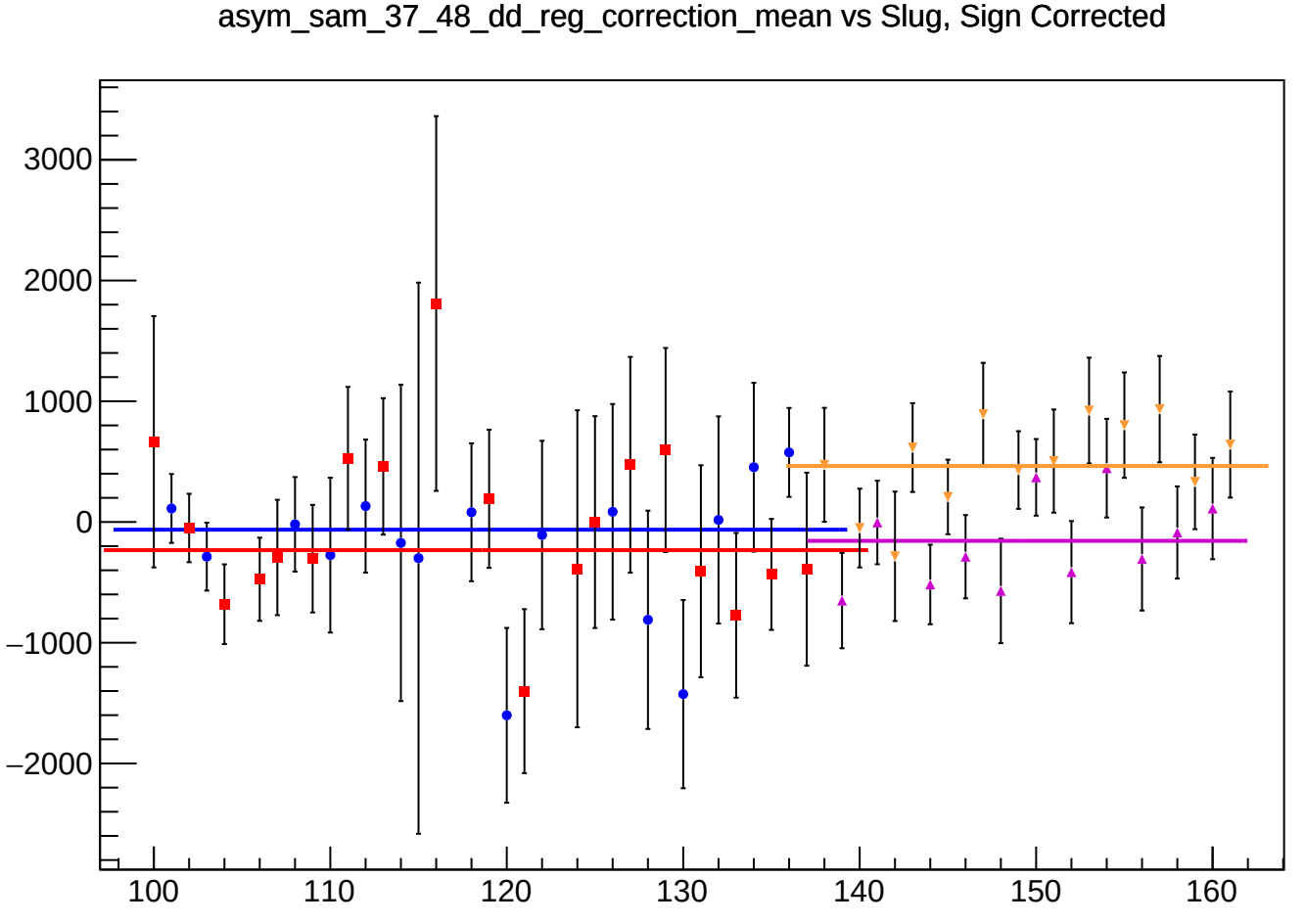
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 34.458+/-15.055 χ^2/NDF:15.4/26

Out: -1.191+/-14.557 χ^2/NDF:33.6/31

All: 16.035+/-10.465 χ^2/NDF: 51.9/58


reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
80
75
70
65
60
55
50
100
110
120
130
140
150
160
Right In: 61.673+/-0.016 χ²/NDF: 267108.1/15
Left Out: 60.925+/-0.013 χ²/NDF:236268.8/12
Right Out: 60.967+/-0.016 χ²/NDF: 284183.4/18
Left In: 60.801+/-0.014 χ²/NDF:192452.2/10
Left: 60.865+/-0.010 χ²/NDF: 428762.1/23
Right: 61.310+/-0.011 χ²/NDF: 552244.9/34
In: 61.169+/-0.011 χ²/NDF:461198.4/26
Out: 60.942+/-0.010 χ²/NDF:520456.1/31
All: 61.052+/-0.007 χ²/NDF: 981887.9/58



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 463.508+/-109.605 χ^2/NDF:9.4/12

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -156.160+/-113.756 χ^2/NDF:9.9/10

Left: 165.184+/-78.929 χ^2/NDF: 34.7/23

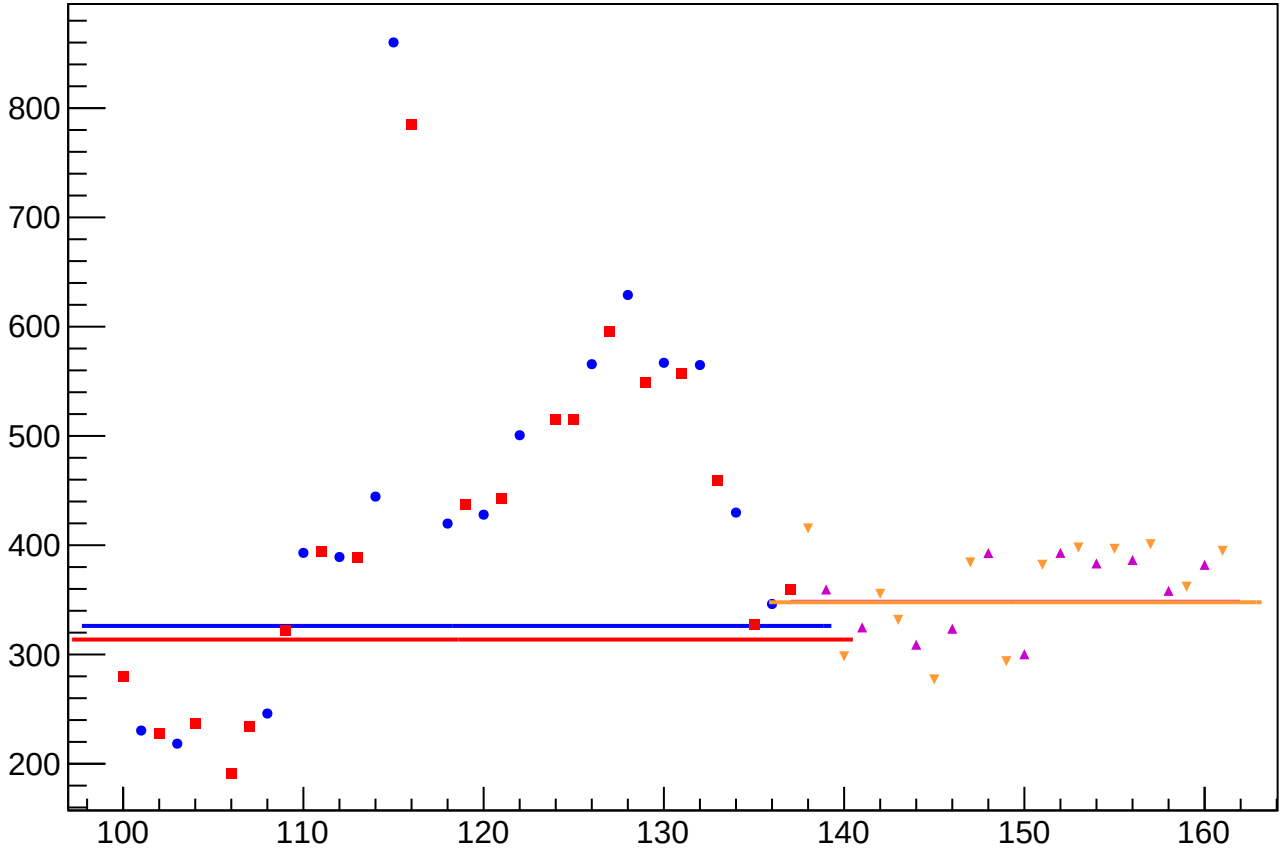
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -116.009+/-85.515 χ^2/NDF:23.4/26

Out: 154.555+/-81.768 χ^2/NDF:41.9/31

All: 25.329+/-59.099 χ^2/NDF: 70.5/58

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: 347.812+/-0.078 χ^2/NDF:385492.4/12

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 348.230+/-0.080 χ^2/NDF:184112.4/10

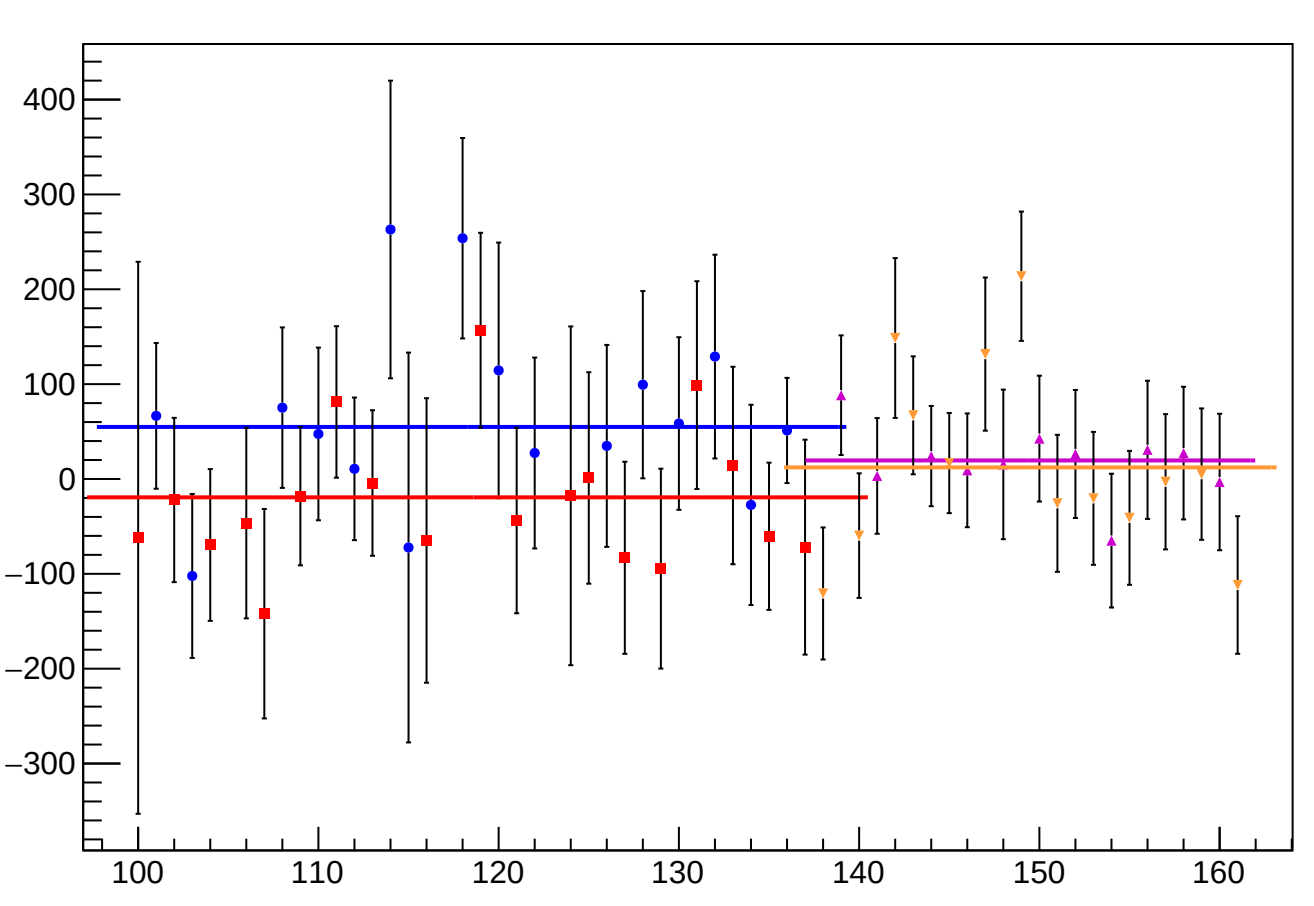
Left: 348.013+/-0.056 χ^2/NDF: 569618.8/23

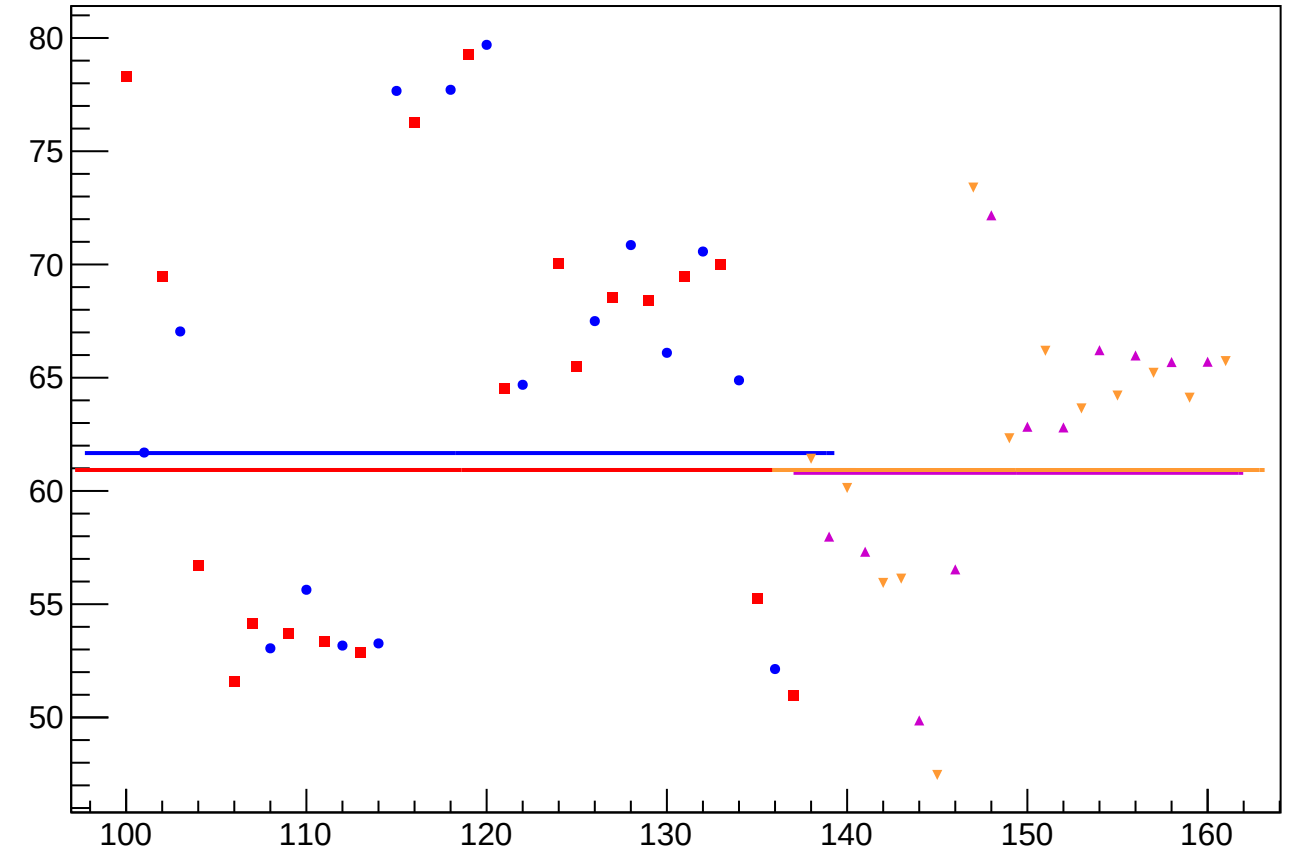
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 338.627+/-0.060 χ^2/NDF:1950884.0/26

Out: 332.673+/-0.058 χ^2/NDF:2258887.5/31

All: 335.517+/-0.042 χ^2/NDF: 4214835.4/58


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 12.220+/-19.048 χ²/NDF:23.2/12
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 19.553+/-19.799 χ²/NDF:3.0/10
Left: 15.745+/-13.727 χ²/NDF: 26.3/23
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 34.454+/-15.055 χ²/NDF:15.4/26
Out: -0.901+/-14.562 χ²/NDF:33.5/31
All: 16.188+/-10.466 χ²/NDF: 51.7/58



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.925+/-0.013 χ^2/NDF:236268.8/12

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

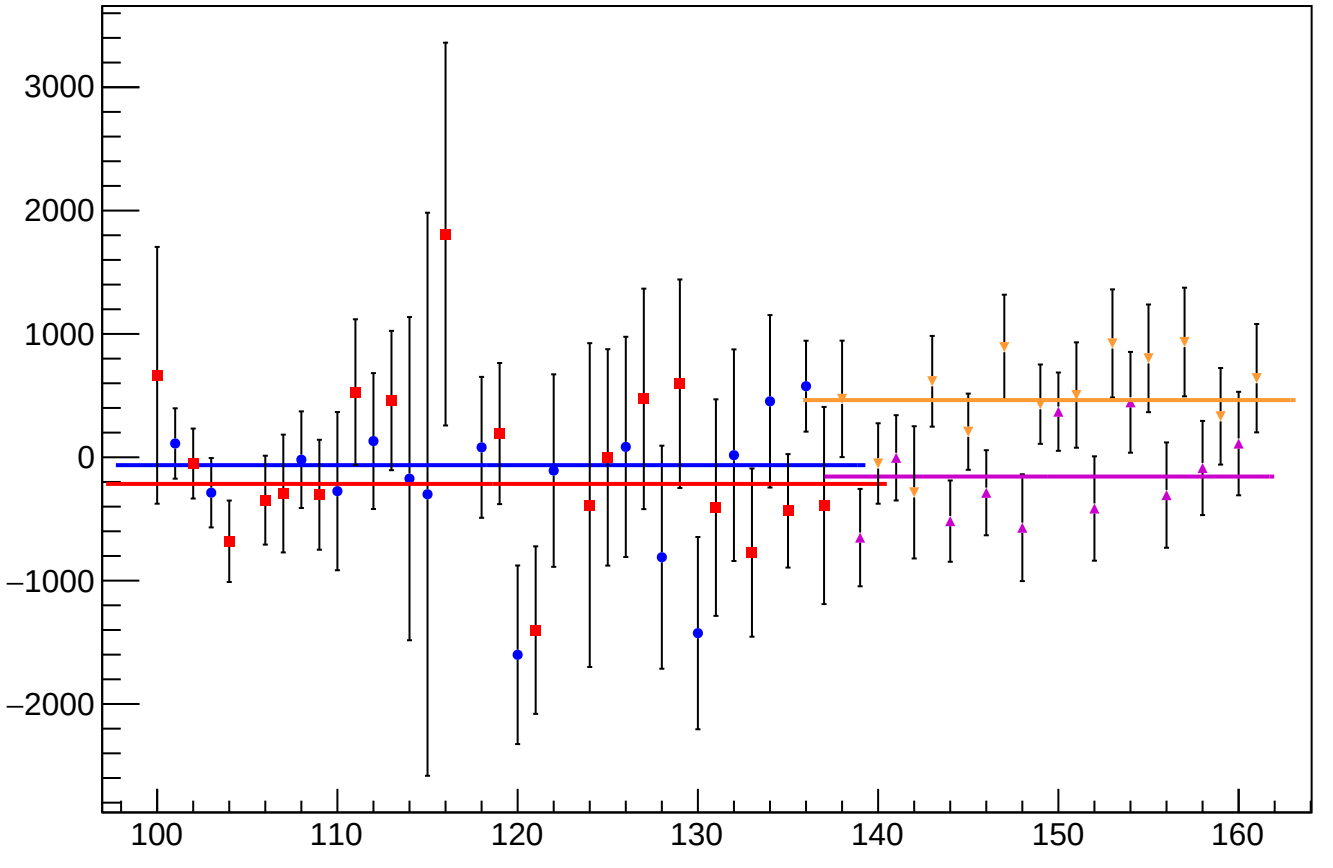
Left: 60.865+/-0.010 χ^2/NDF: 428762.1/23

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.169+/-0.011 χ^2/NDF:461198.6/26

Out: 60.925+/-0.010 χ^2/NDF:523848.4/31

All: 61.043+/-0.007 χ^2/NDF: 985316.7/58



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 463.509+/-109.605 χ^2/NDF:9.4/12

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -156.160+/-113.756 χ^2/NDF:9.9/10

Left: 165.185+/-78.929 χ^2/NDF: 34.7/23

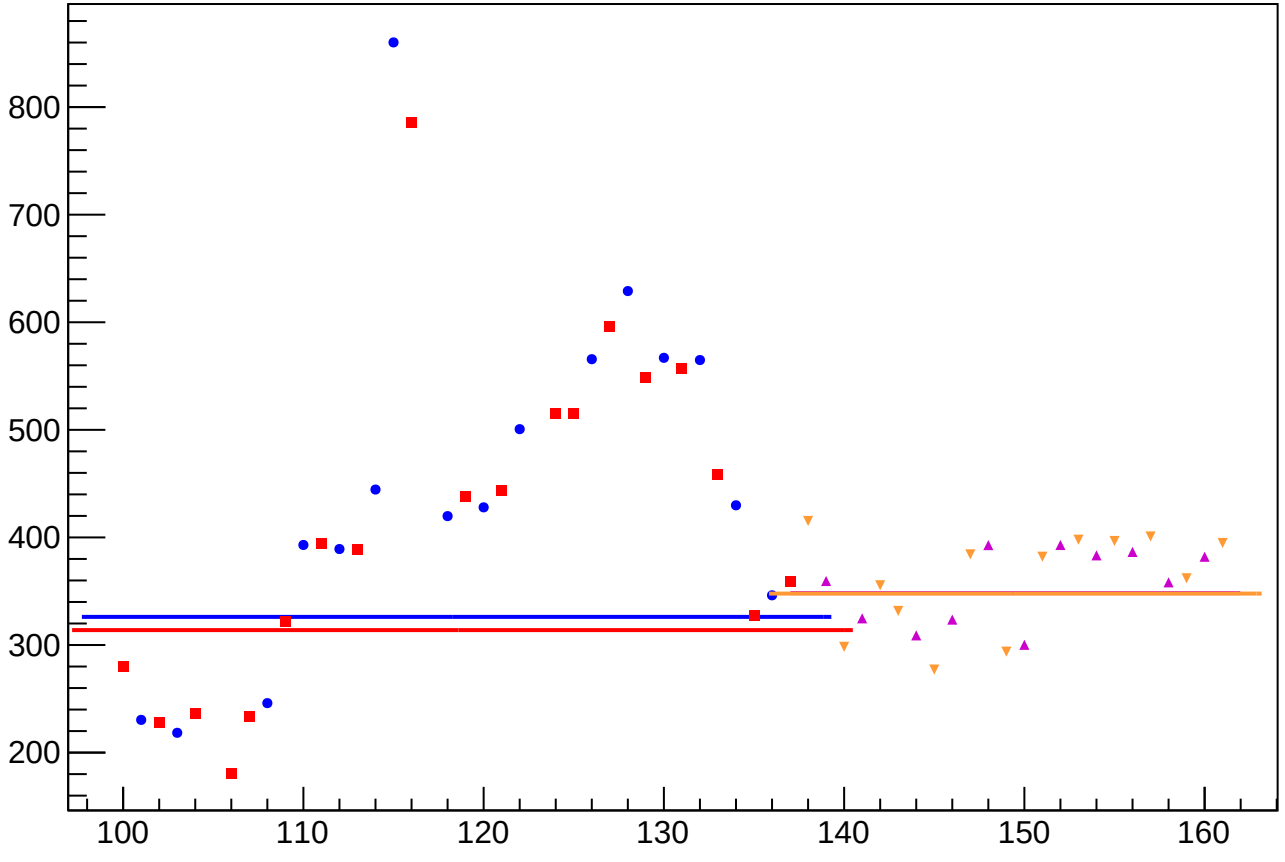
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -116.003+/-85.515 χ^2/NDF:23.4/26

Out: 164.130+/-81.974 χ^2/NDF:40.5/31

All: 29.983+/-59.177 χ^2/NDF: 69.4/58

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: 347.812+/-0.078 χ^2/NDF:385493.6/12

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

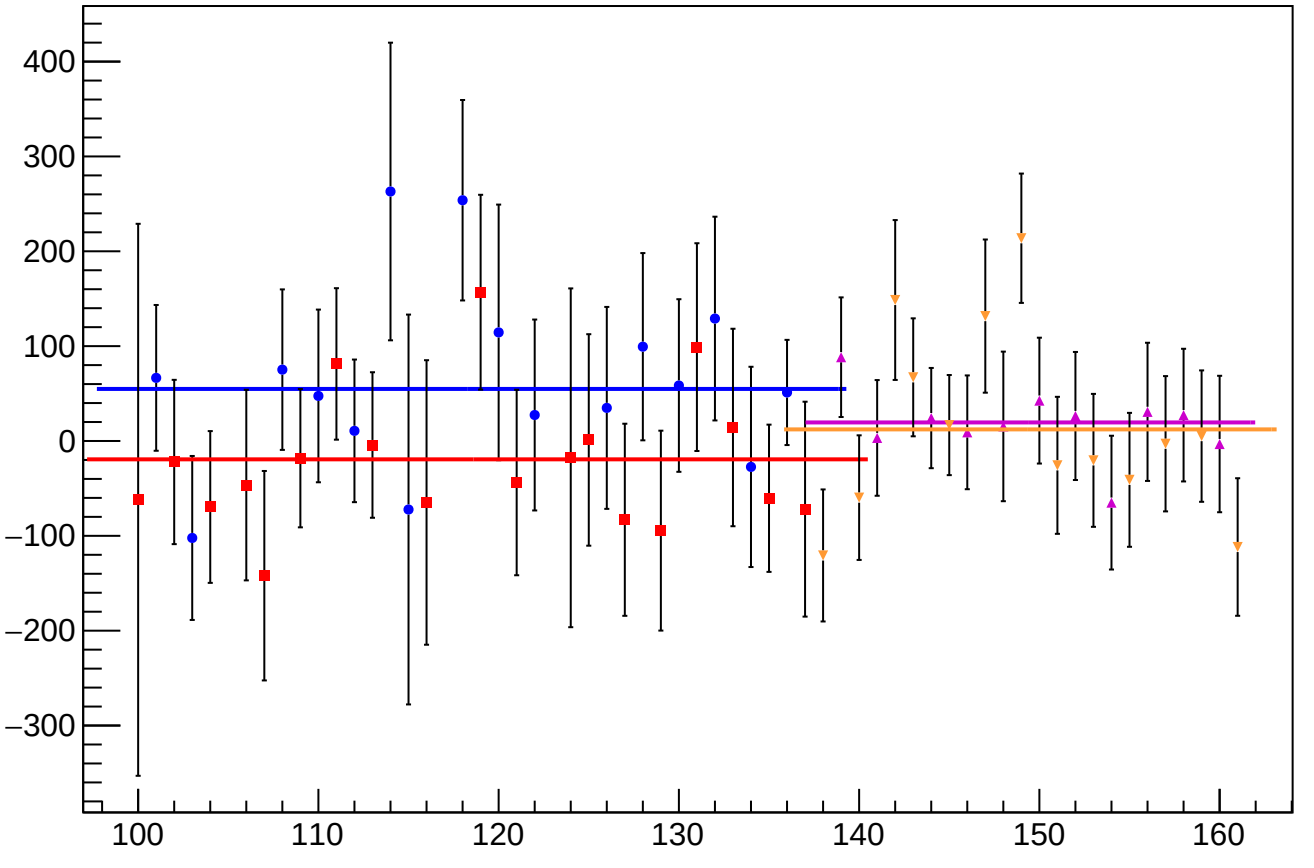
Left: 348.013+/-0.056 χ^2/NDF: 569617.2/23

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 338.628+/-0.060 χ^2/NDF:1950811.9/26

Out: 332.852+/-0.058 χ^2/NDF:2275834.0/31

All: 335.618+/-0.042 χ^2/NDF: 4231400.6/58


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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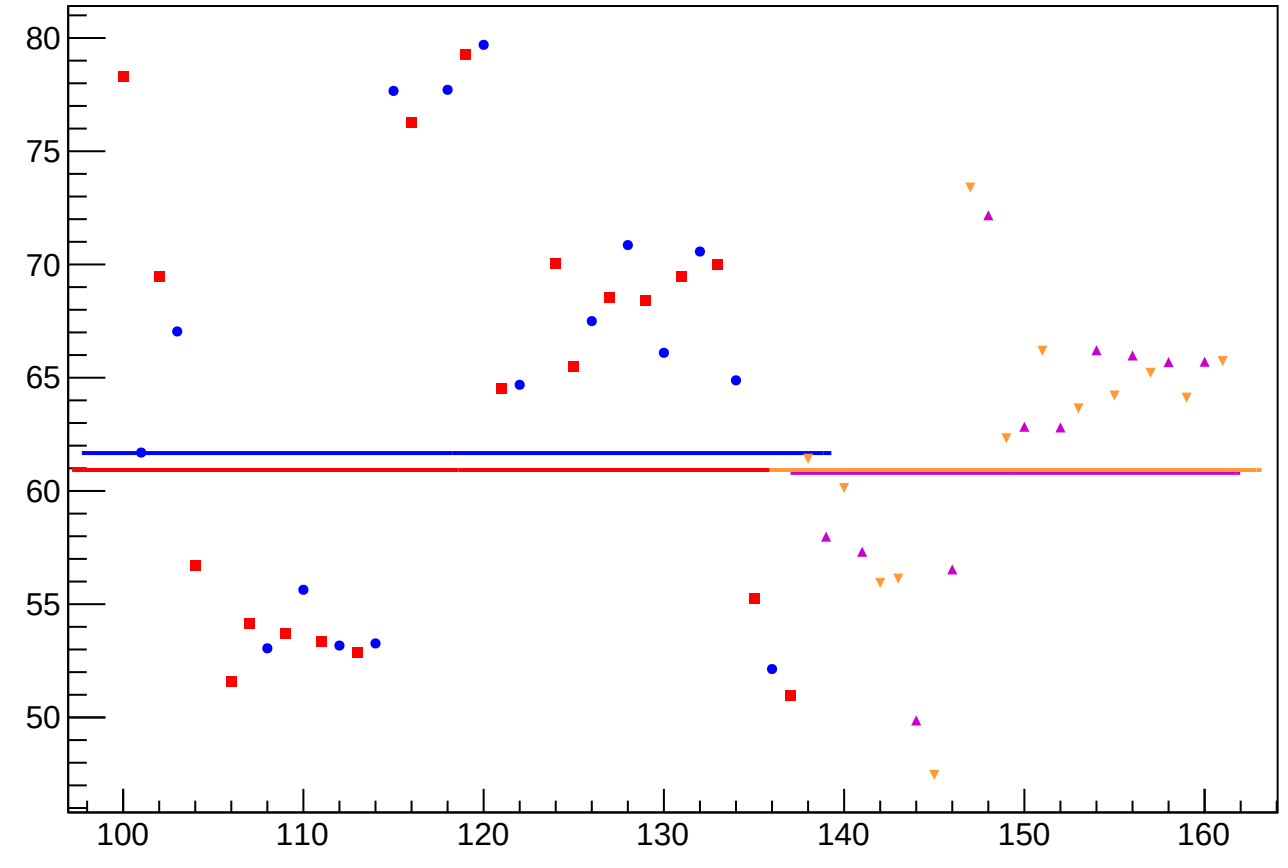
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 12.220+/-19.048 χ²/NDF:23.2/12
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 19.553+/-19.799 χ²/NDF:3.0/10
Left: 15.745+/-13.727 χ²/NDF: 26.3/23
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 34.454+/-15.055 χ²/NDF:15.4/26
Out: -0.901+/-14.562 χ²/NDF:33.5/31
All: 16.188+/-10.466 χ²/NDF: 51.7/58



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.925+/-0.013 χ^2/NDF:236268.8/12

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

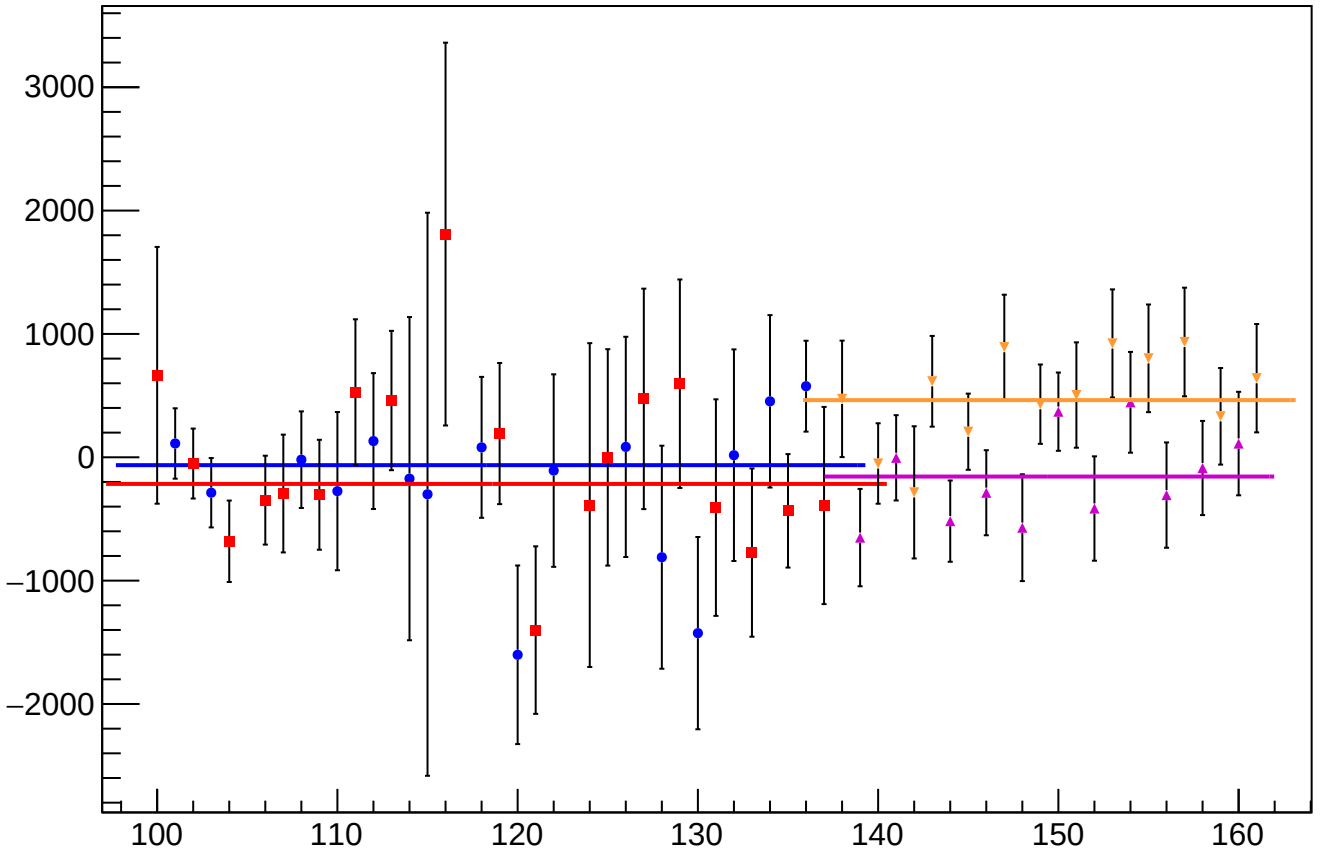
Left: 60.865+/-0.010 χ^2/NDF: 428762.1/23

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.169+/-0.011 χ^2/NDF:461198.6/26

Out: 60.925+/-0.010 χ^2/NDF:523848.4/31

All: 61.043+/-0.007 χ^2/NDF: 985316.7/58



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 463.509+/-109.605 χ^2/NDF:9.4/12

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -156.160+/-113.756 χ^2/NDF:9.9/10

Left: 165.185+/-78.929 χ^2/NDF: 34.7/23

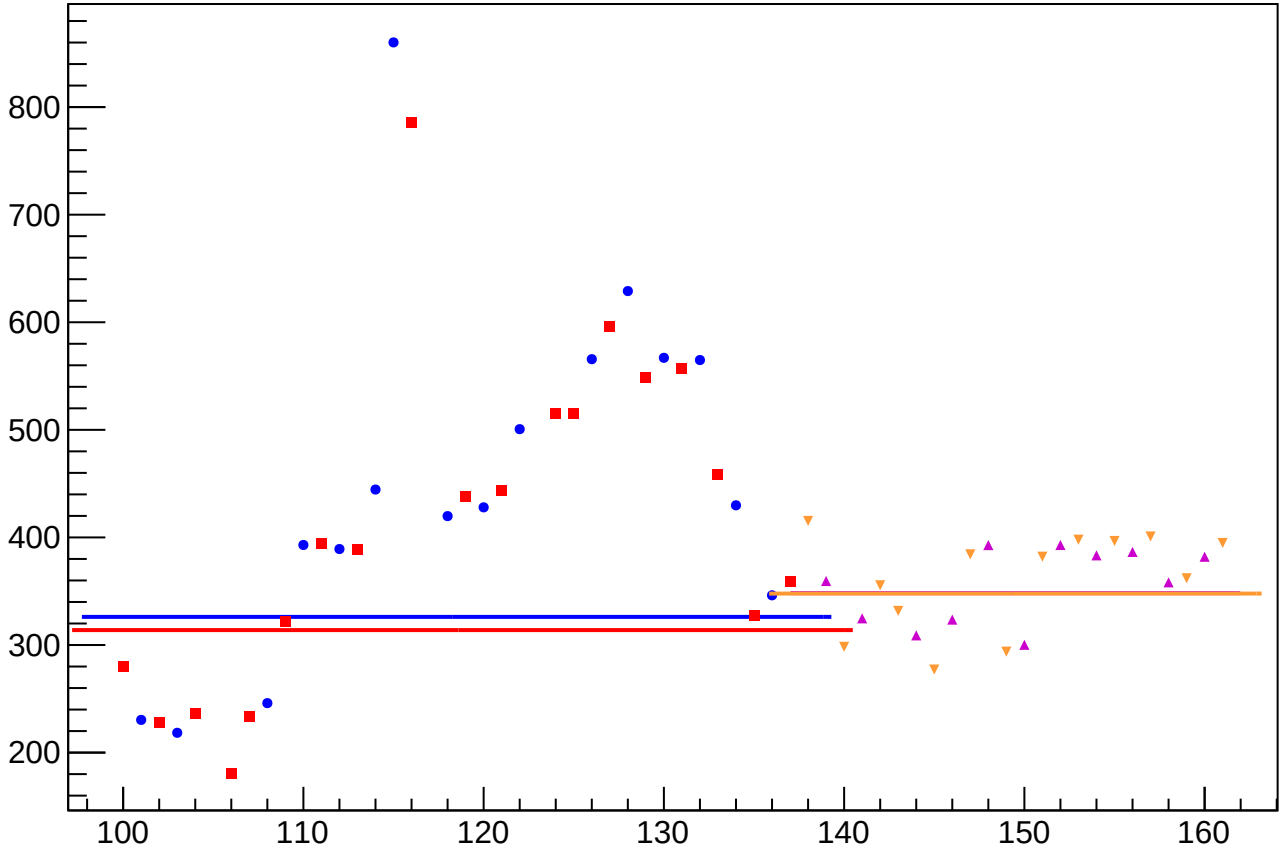
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -116.003+/-85.515 χ^2/NDF:23.4/26

Out: 164.130+/-81.974 χ^2/NDF:40.5/31

All: 29.983+/-59.177 χ^2/NDF: 69.4/58

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: 347.812+/-0.078 χ^2/NDF:385493.6/12

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

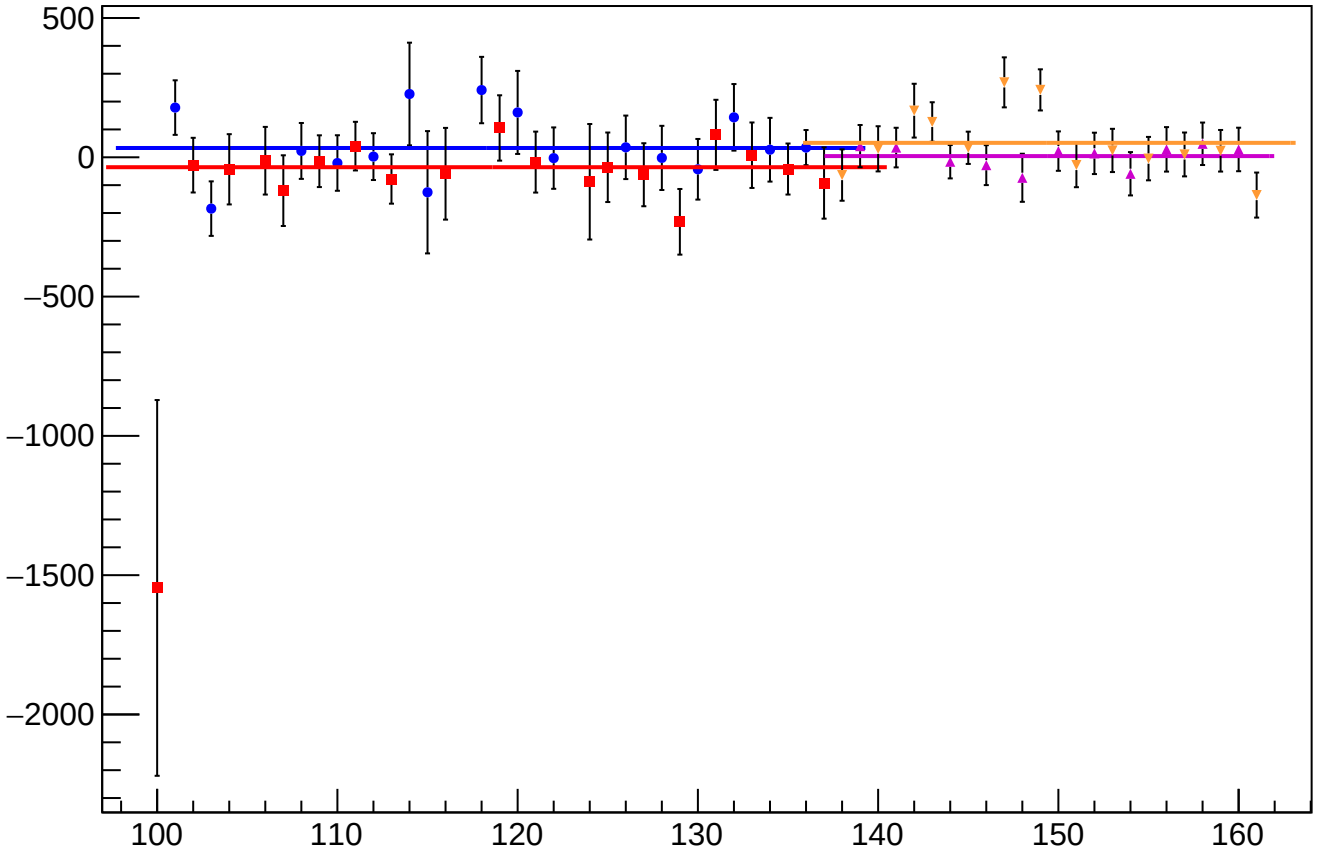
Left: 348.013+/-0.056 χ^2/NDF: 569617.2/23

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 338.628+/-0.060 χ^2/NDF:1950811.9/26

Out: 332.852+/-0.058 χ^2/NDF:2275834.0/31

All: 335.618+/-0.042 χ^2/NDF: 4231400.6/58



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.879+/-21.495 χ^2/NDF:24.2/12

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.314+/-22.254 χ^2/NDF:2.8/10

Left: 28.921+/-15.461 χ^2/NDF: 29.4/23

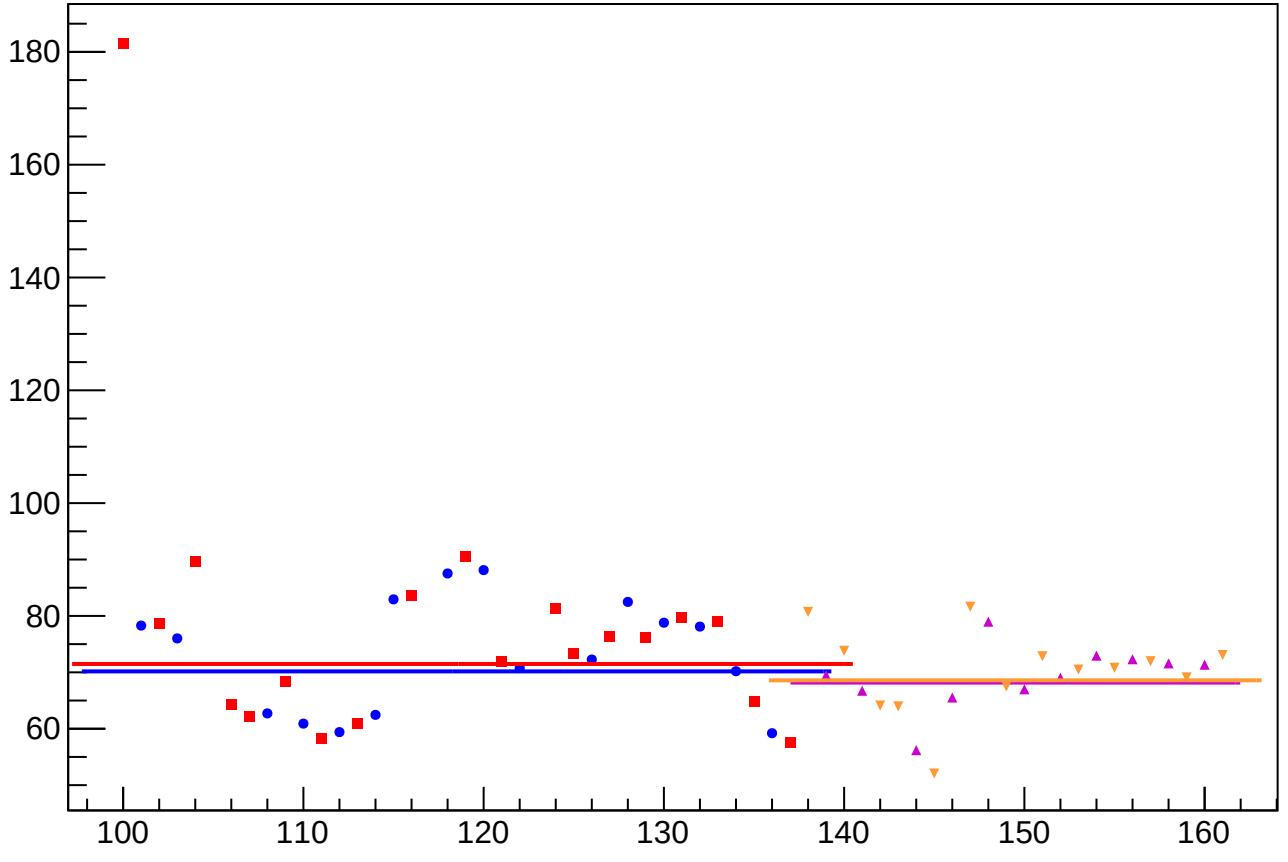
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 16.388+/-17.019 χ^2/NDF:18.1/26

Out: 17.230+/-16.703 χ^2/NDF:42.9/31

All: 16.816+/-11.921 χ^2/NDF: 60.9/58

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.581+/-0.015 χ^2/NDF:279968.6/12

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.185+/-0.016 χ^2/NDF:136641.8/10

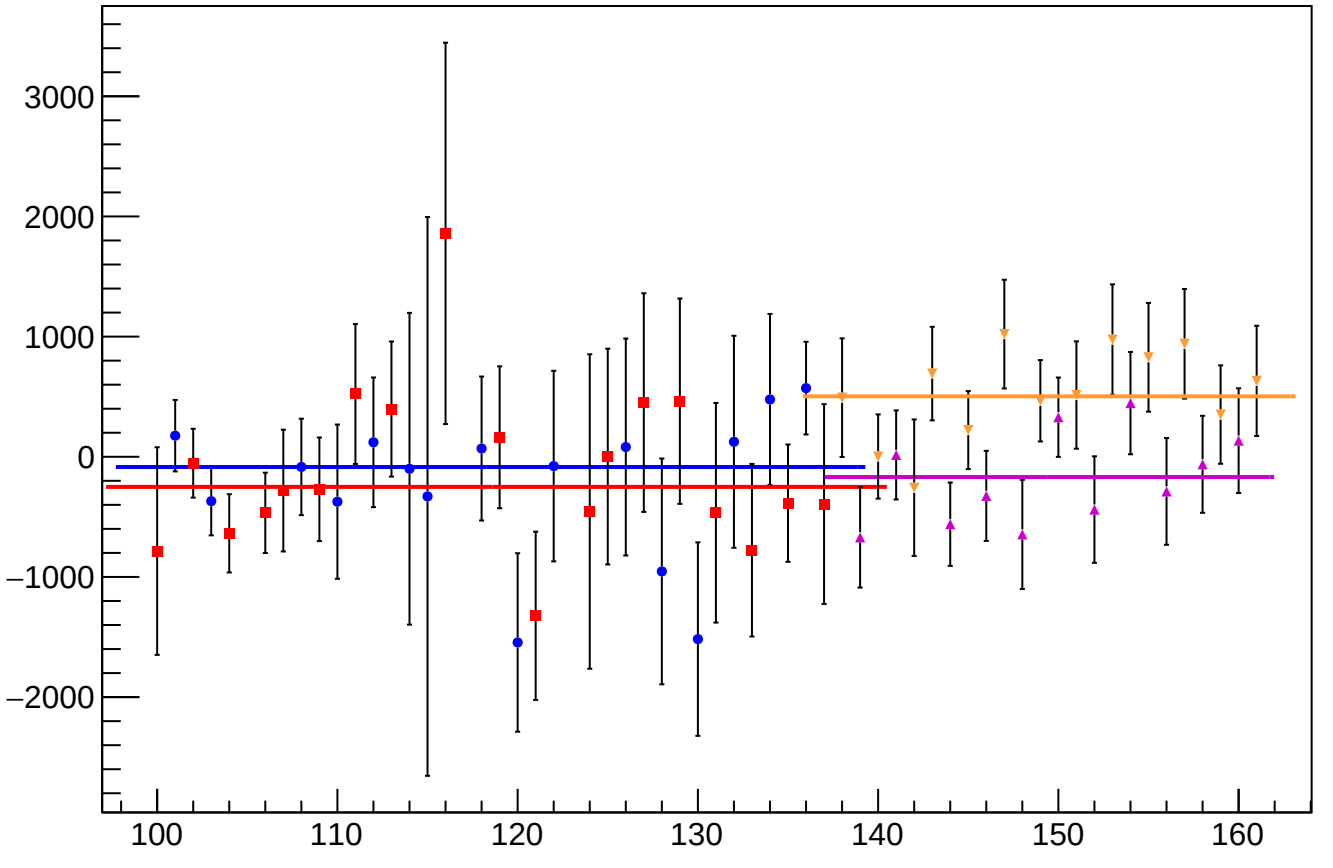
Left: 68.390+/-0.011 χ^2/NDF: 416937.9/23

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.008+/-0.012 χ^2/NDF:412477.7/26

Out: 69.731+/-0.012 χ^2/NDF:620124.8/31

All: 69.376+/-0.008 χ^2/NDF: 1034440.4/58



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 502.989+/-115.306 χ^2/NDF:8.8/12

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.613+/-119.924 χ^2/NDF:9.6/10

Left: 180.367+/-83.118 χ^2/NDF: 34.8/23

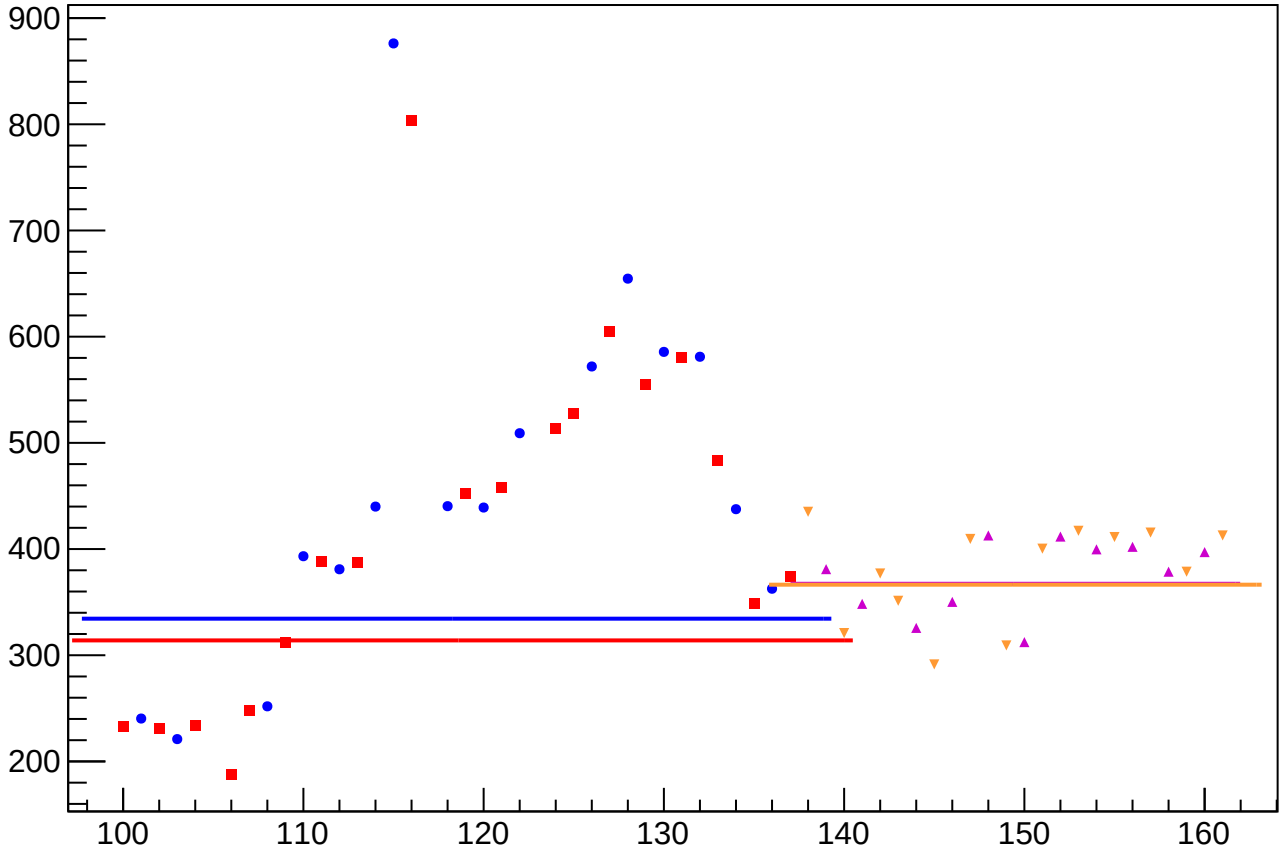
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -131.162+/-89.027 χ^2/NDF:23.5/26

Out: 151.492+/-84.219 χ^2/NDF:41.2/31

All: 18.004+/-61.181 χ^2/NDF: 70.1/58

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: 366.437+/-0.082 χ^2/NDF:359567.8/12

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 367.296+/-0.085 χ^2/NDF:170595.9/10

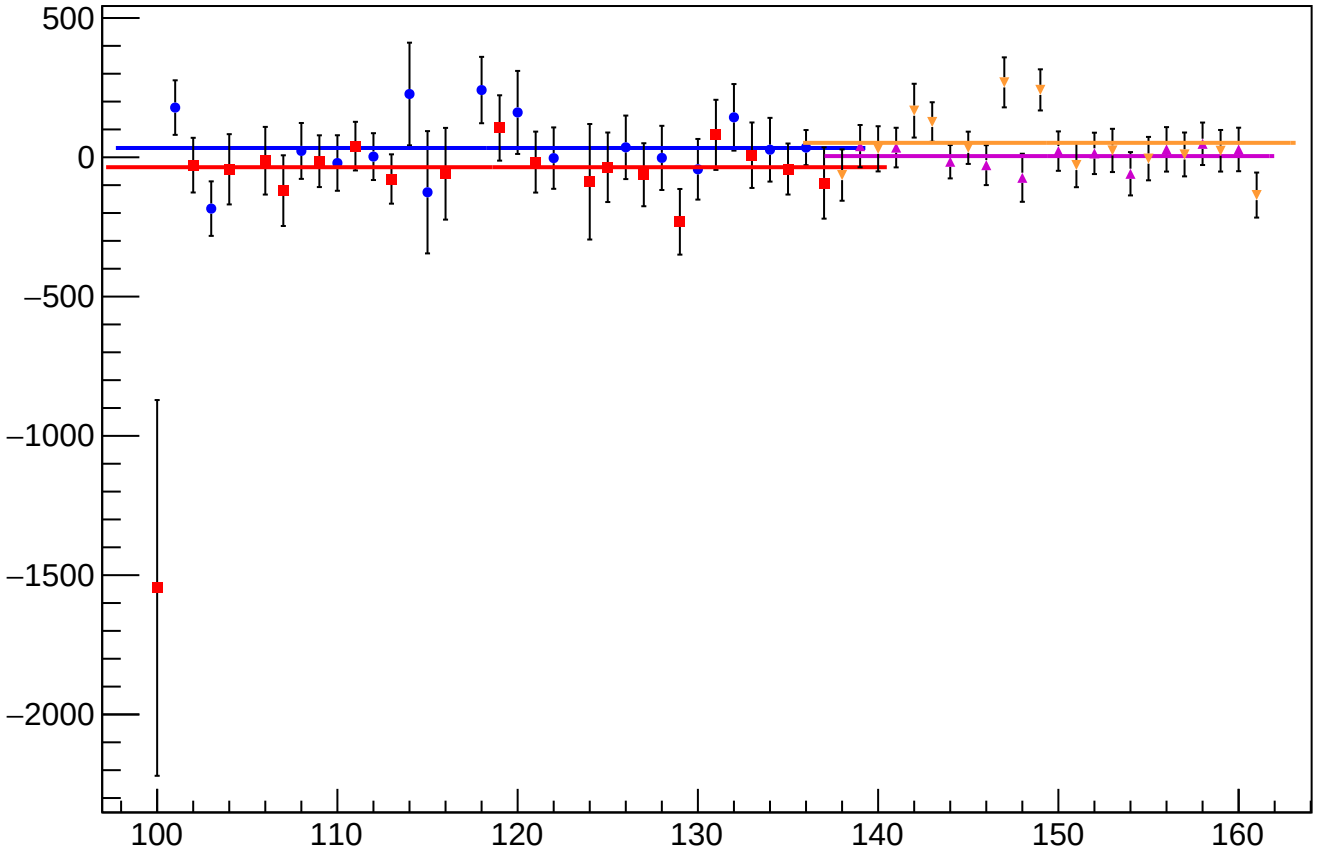
Left: 366.850+/-0.059 χ^2/NDF: 530217.0/23

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 352.543+/-0.063 χ^2/NDF:1968633.5/26

Out: 341.960+/-0.060 χ^2/NDF:2457354.7/31

All: 346.958+/-0.043 χ^2/NDF: 4440902.0/58



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.878+/-21.495 χ^2/NDF:24.2/12

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.314+/-22.254 χ^2/NDF:2.8/10

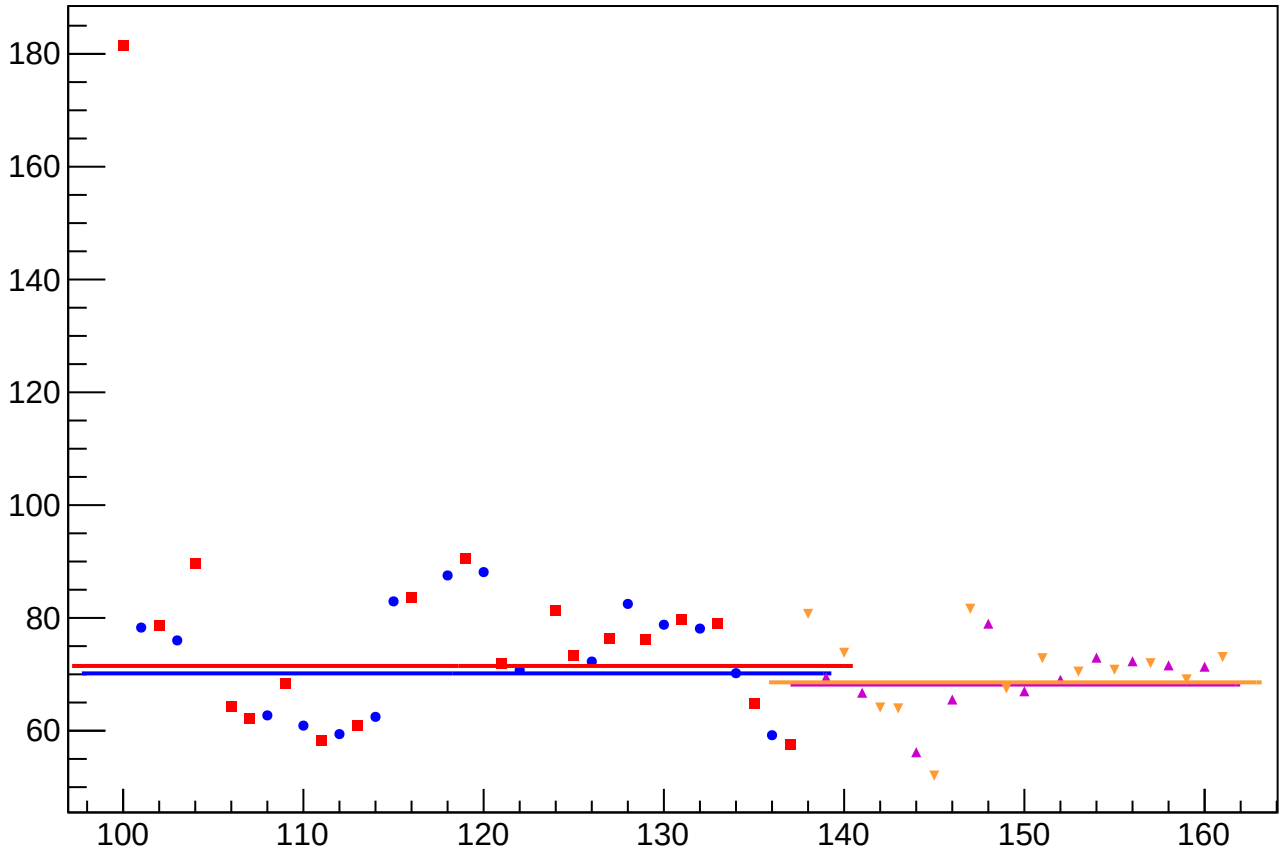
Left: 28.920+/-15.461 χ^2/NDF: 29.4/23

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 16.387+/-17.019 χ^2/NDF:18.1/26

Out: 17.229+/-16.703 χ^2/NDF:42.9/31

All: 16.816+/-11.921 χ^2/NDF: 60.9/58



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.581+/-0.015 χ^2/NDF:279973.2/12

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.185+/-0.016 χ^2/NDF:136643.0/10

Left: 68.390+/-0.011 χ^2/NDF: 416943.8/23

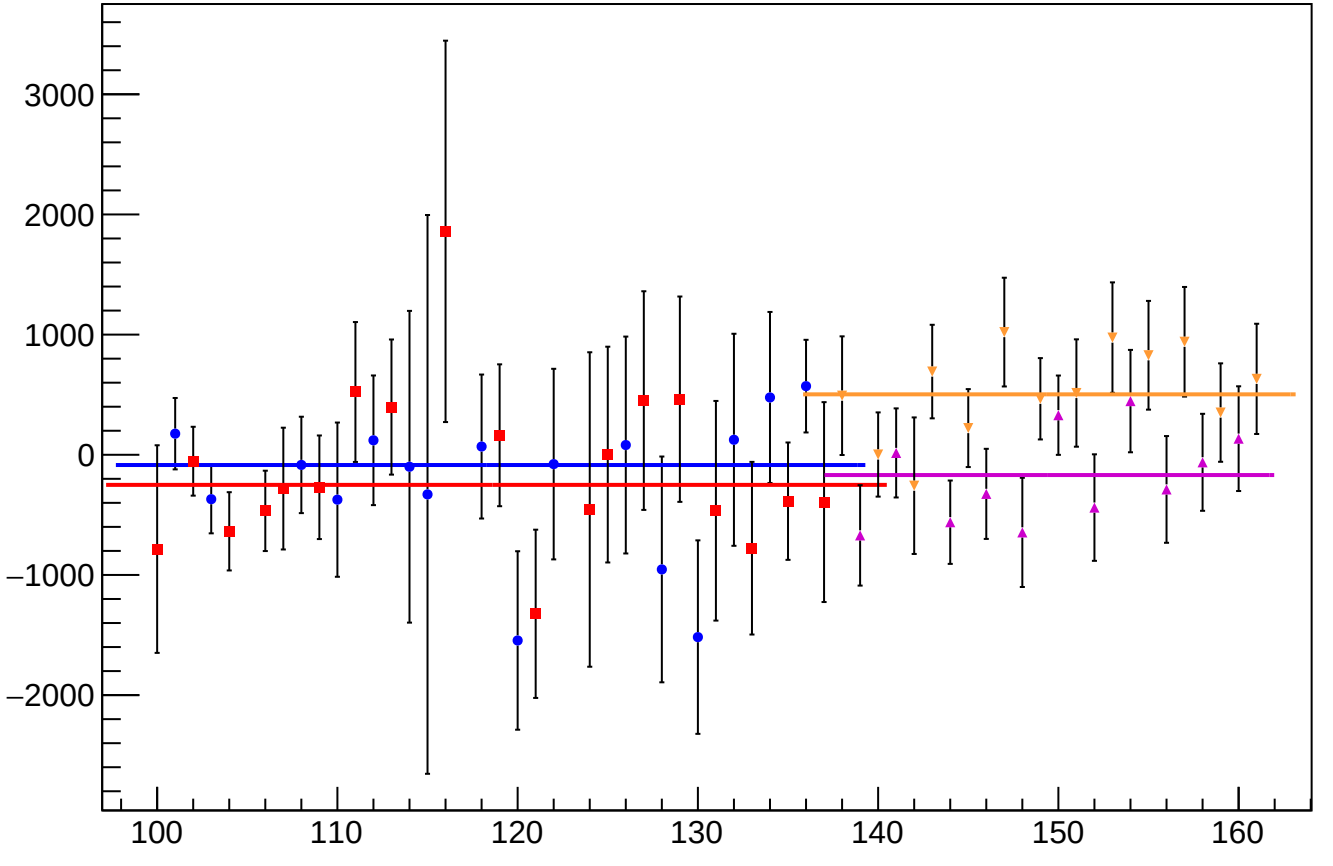
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.008+/-0.012 χ^2/NDF:412482.8/26

Out: 69.731+/-0.012 χ^2/NDF:620137.0/31

All: 69.376+/-0.008 χ^2/NDF: 1034457.6/58

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: 502.988+/-115.306 χ^2/NDF:8.8/12

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.613+/-119.924 χ^2/NDF:9.6/10

Left: 180.367+/-83.118 χ^2/NDF: 34.8/23

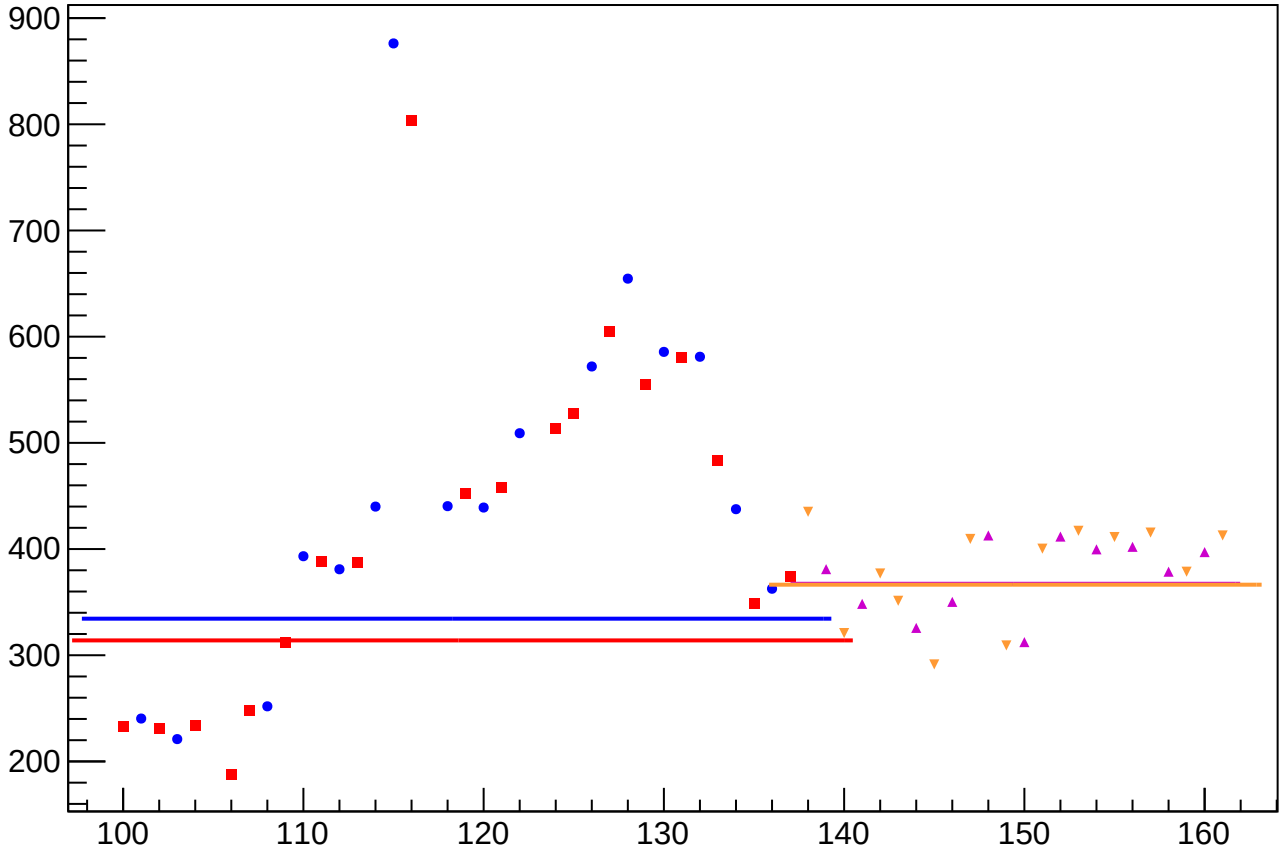
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -131.163+/-89.027 χ^2/NDF:23.5/26

Out: 151.491+/-84.219 χ^2/NDF:41.2/31

All: 18.004+/-61.181 χ^2/NDF: 70.1/58

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: 366.437+/-0.082 χ^2/NDF:359571.2/12

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 367.296+/-0.085 χ^2/NDF:170595.4/10

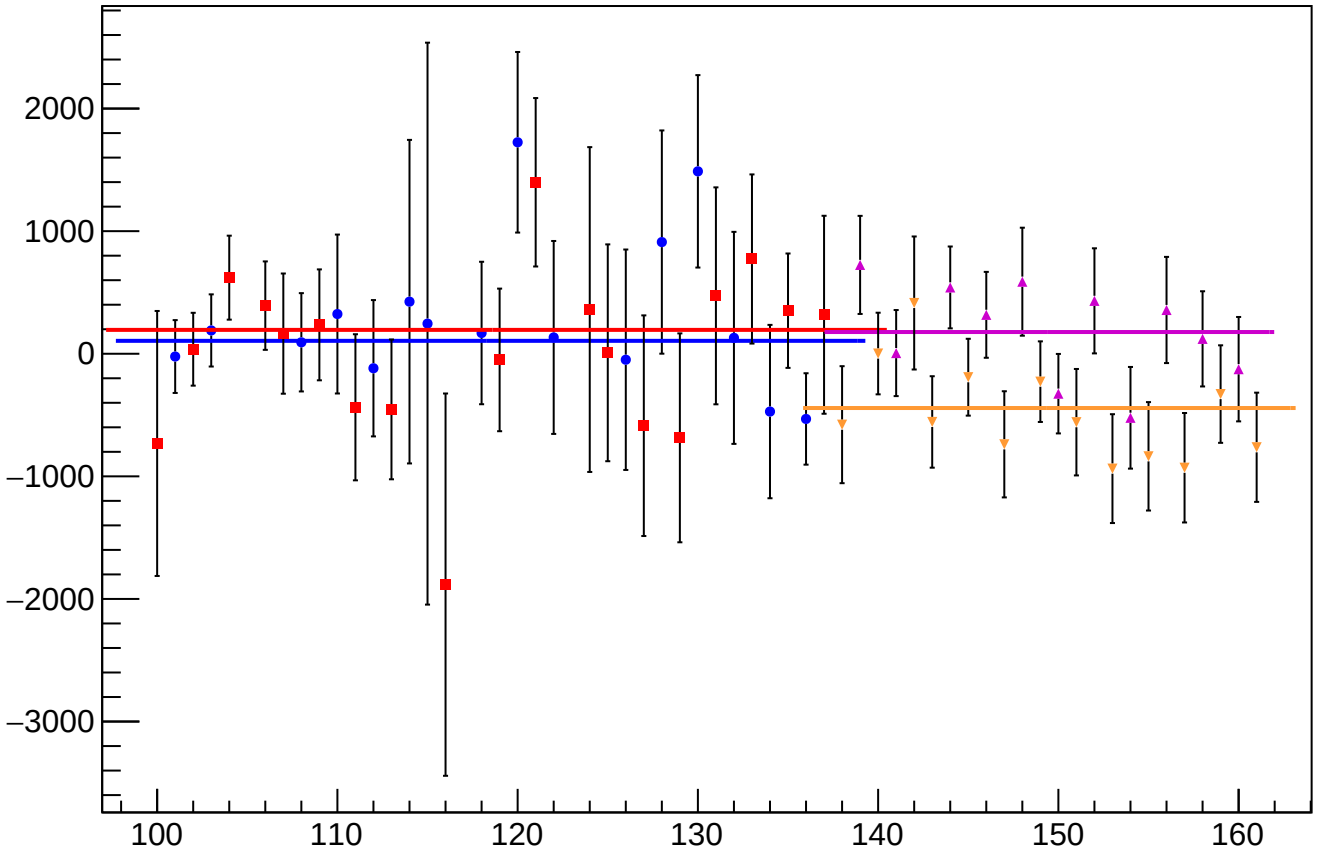
Left: 366.850+/-0.059 χ^2/NDF: 530219.9/23

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 352.543+/-0.063 χ^2/NDF:1968631.3/26

Out: 341.960+/-0.060 χ^2/NDF:2457355.2/31

All: 346.958+/-0.043 χ^2/NDF: 4440900.9/58



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -442.647+/-111.365 χ^2/NDF:9.9/12

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 177.242+/-115.555 χ^2/NDF:10.6/10

Left: -144.145+/-80.187 χ^2/NDF: 35.4/23

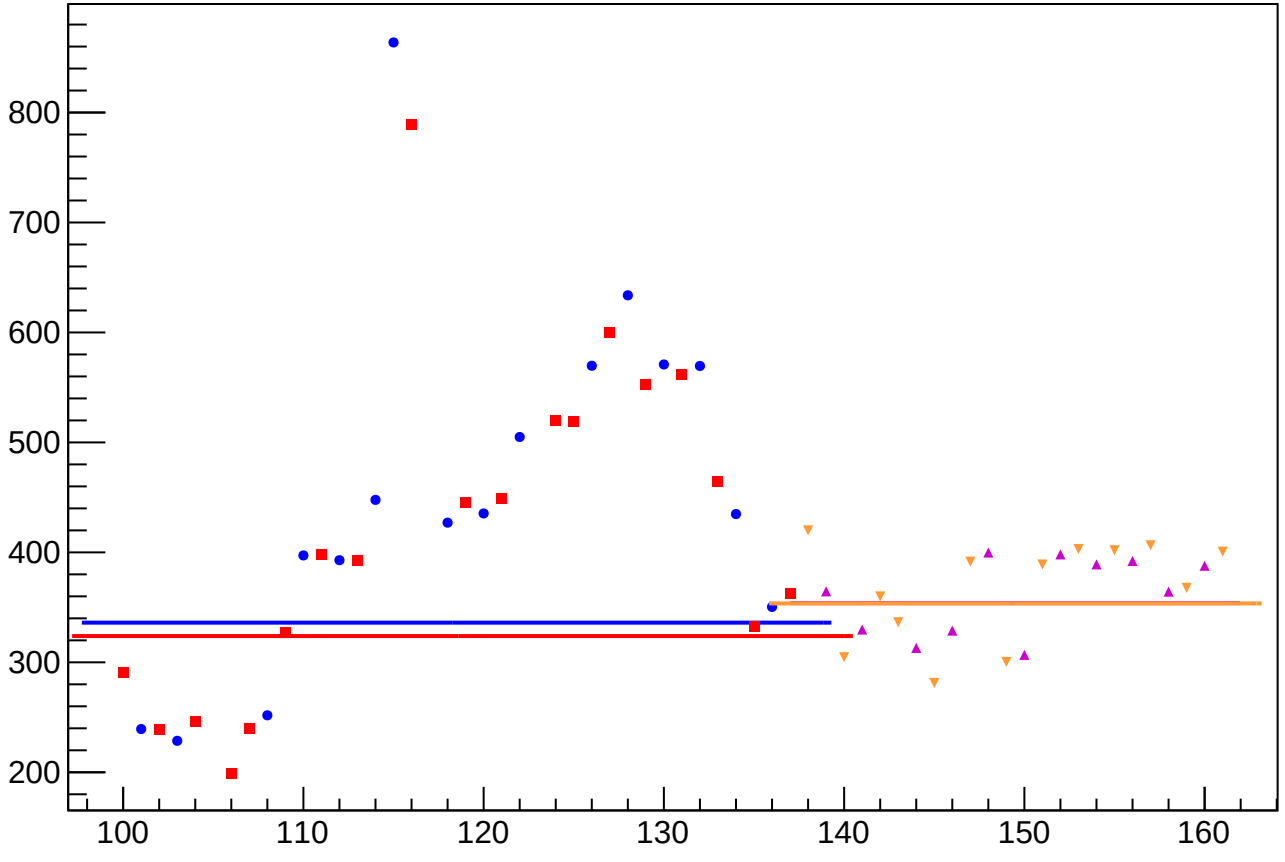
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 146.347+/-87.243 χ^2/NDF:23.8/26

Out: -163.610+/-83.501 χ^2/NDF:37.4/31

All: -15.421+/-60.324 χ^2/NDF: 67.7/58

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 353.572+/-0.079 χ^2/NDF:375462.8/12

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 353.841+/-0.082 χ^2/NDF:180385.4/10

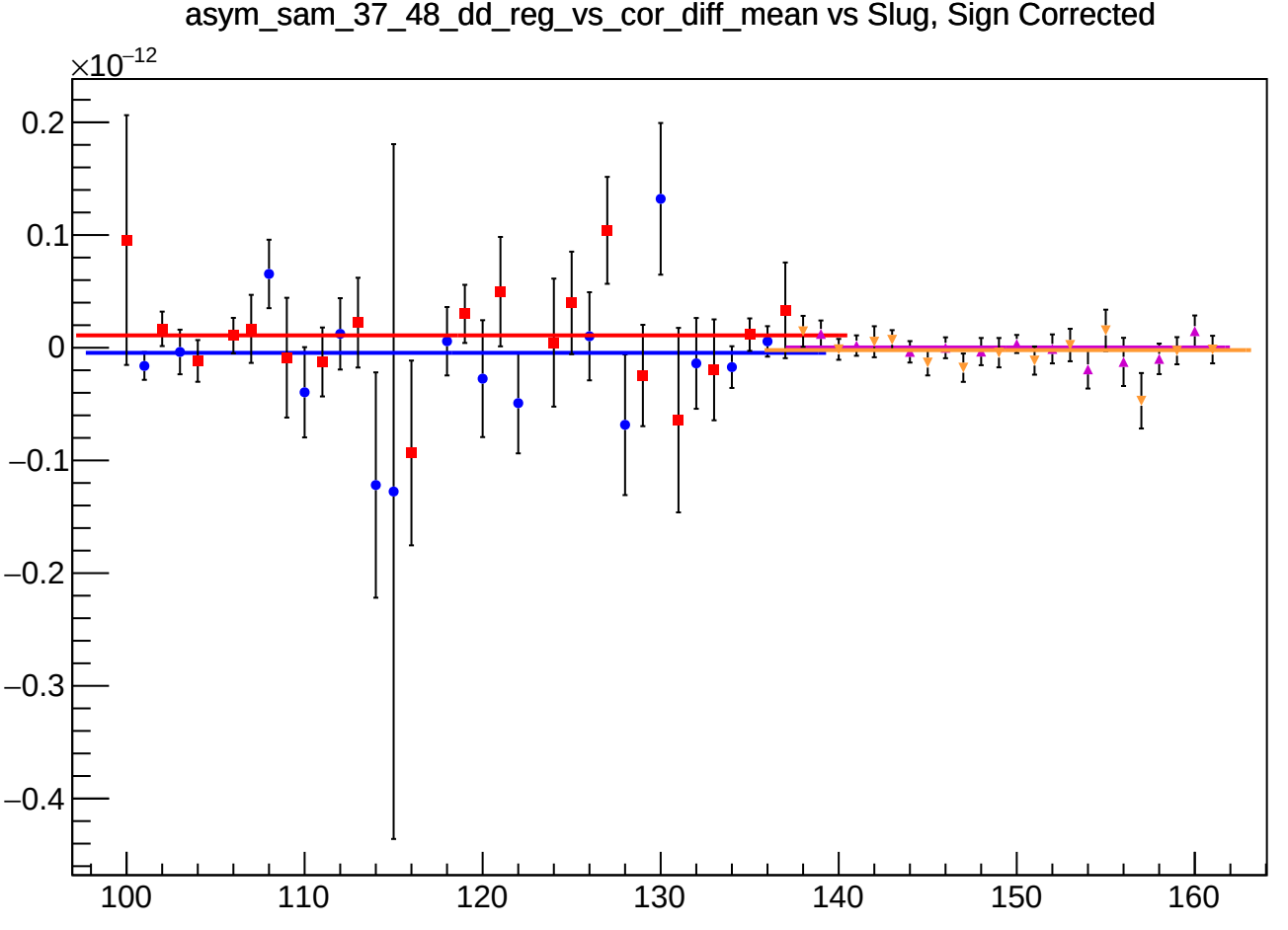
Left: 353.702+/-0.057 χ^2/NDF: 555853.8/23

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 346.209+/-0.062 χ^2/NDF:1819670.8/26

Out: 340.575+/-0.059 χ^2/NDF:2103105.1/31

All: 343.269+/-0.043 χ^2/NDF: 3927128.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/10

Left: -0.000+/-0.000 χ^2/NDF: 15.3/23

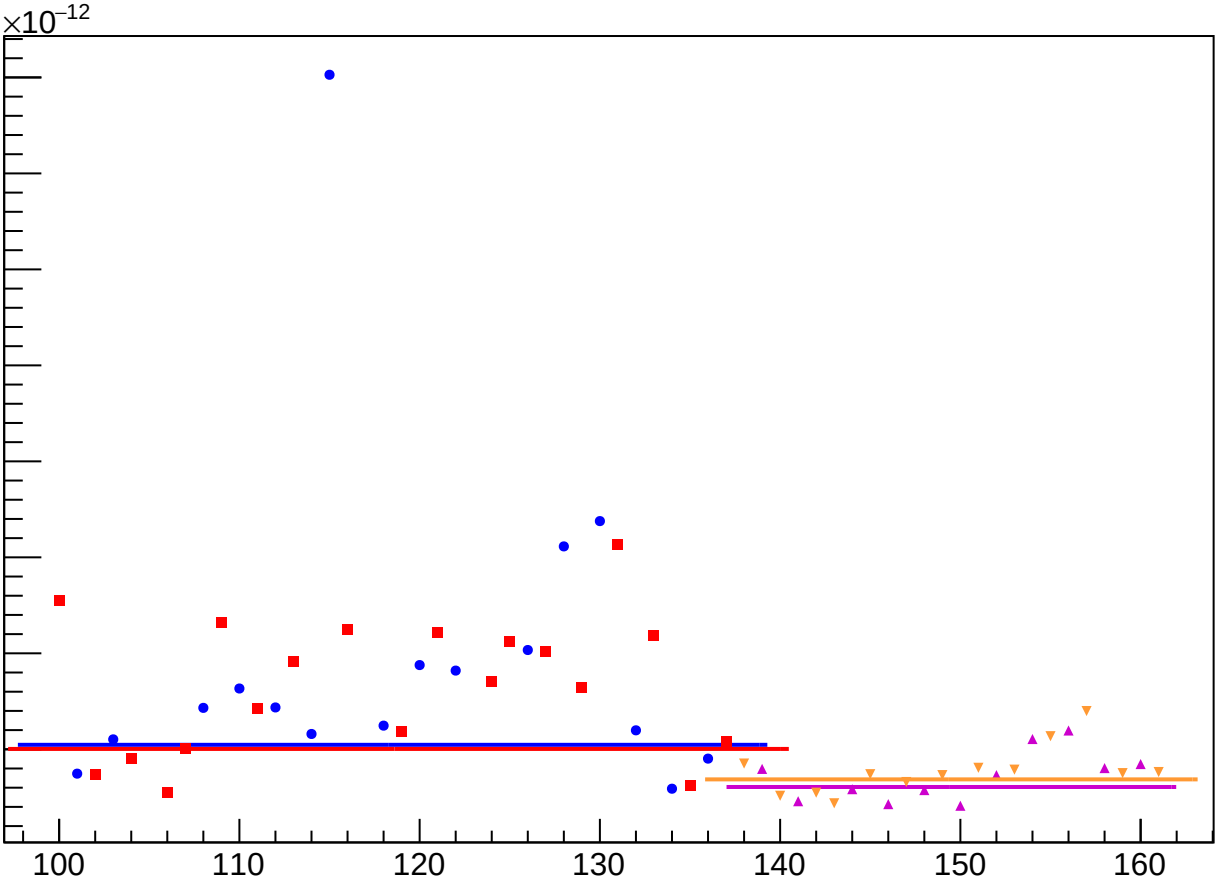
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:21.7/26

Out: 0.000+/-0.000 χ^2/NDF:25.9/31

All: -0.000+/-0.000 χ^2/NDF: 47.8/58

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:622877.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:743008.4/10

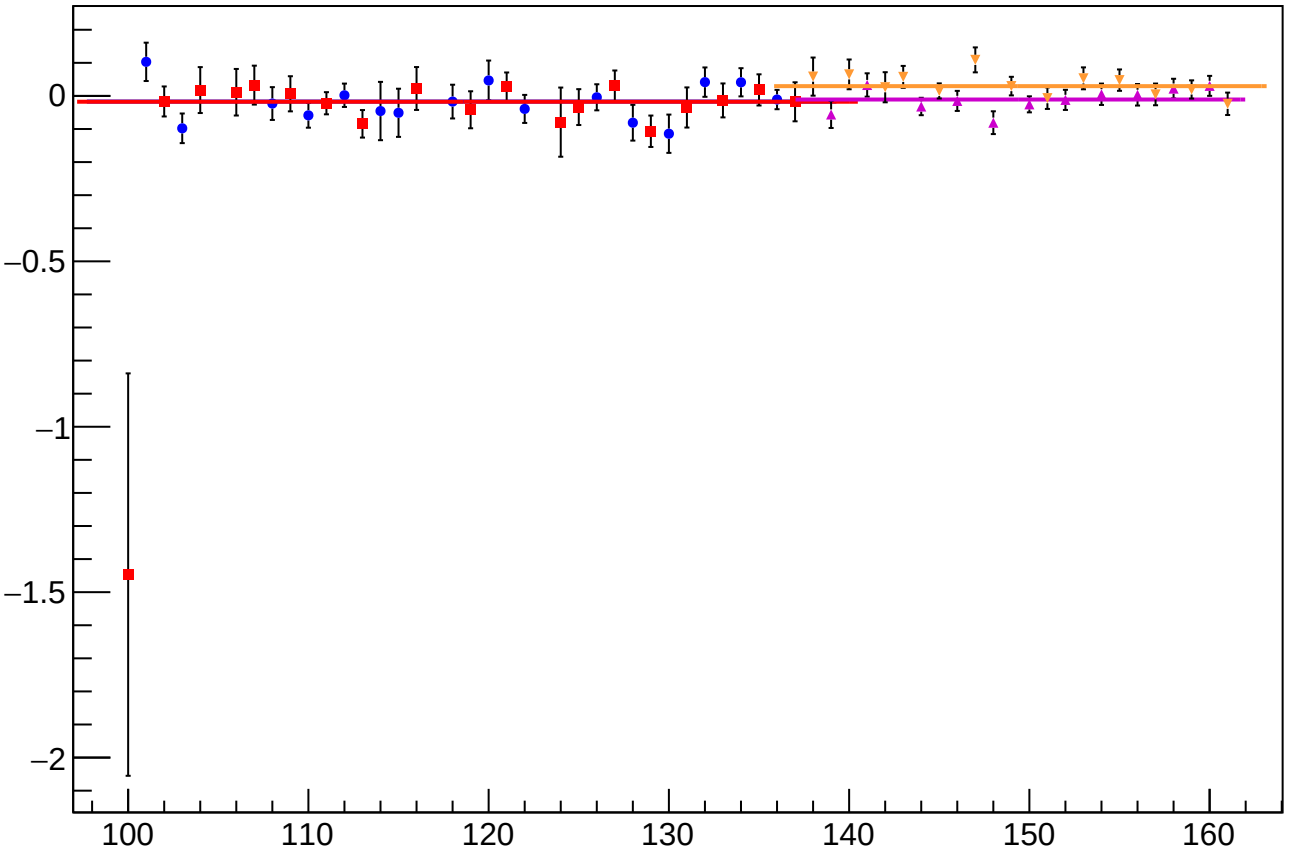
Left: 0.000+/-0.000 χ^2/NDF: 1419883.3/23

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2654136.9/26

Out: 0.000+/-0.000 χ^2/NDF:2419275.4/31

All: 0.000+/-0.000 χ^2/NDF: 5105856.1/58



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.010+/-0.006 χ^2/NDF: 32.9/23

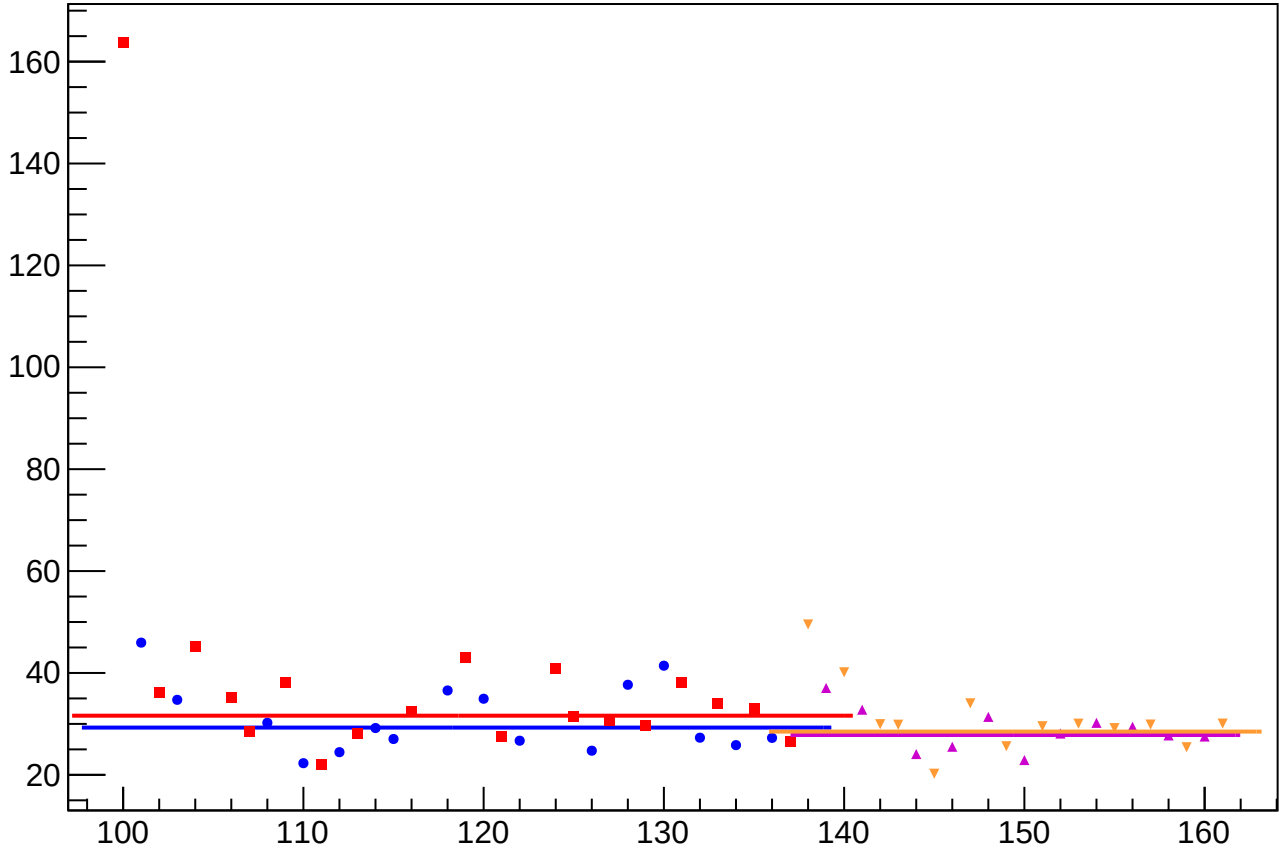
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.012+/-0.007 χ^2/NDF:38.2/31

All: -0.001+/-0.005 χ^2/NDF: 75.0/58

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.493+/-0.006 χ^2/NDF:772568.6/12

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

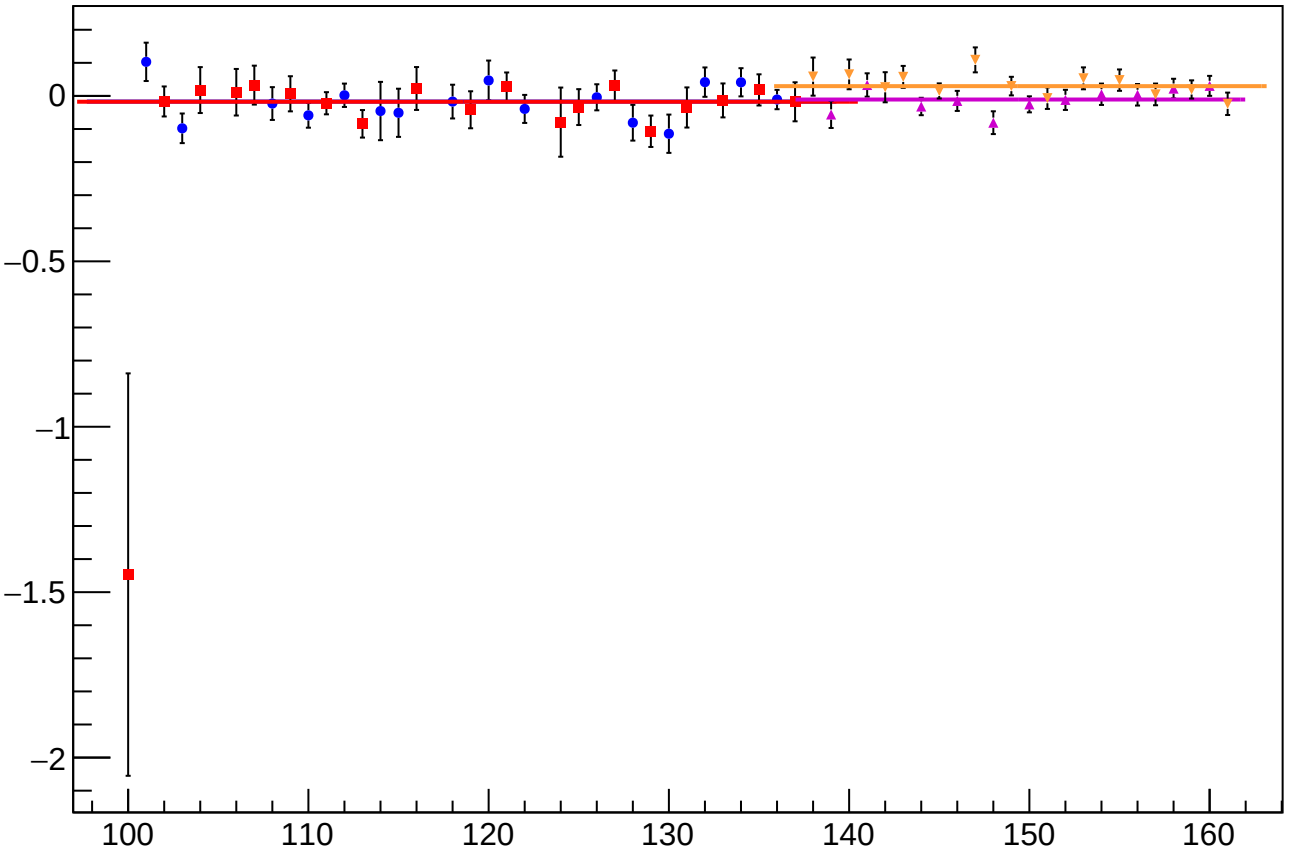
Left: 28.162+/-0.005 χ^2/NDF: 1091646.7/23

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.403+/-0.005 χ^2/NDF:894207.1/26

Out: 29.625+/-0.005 χ^2/NDF:1429520.7/31

All: 29.004+/-0.004 χ^2/NDF: 2352315.8/58



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.010+/-0.006 χ^2/NDF: 32.9/23

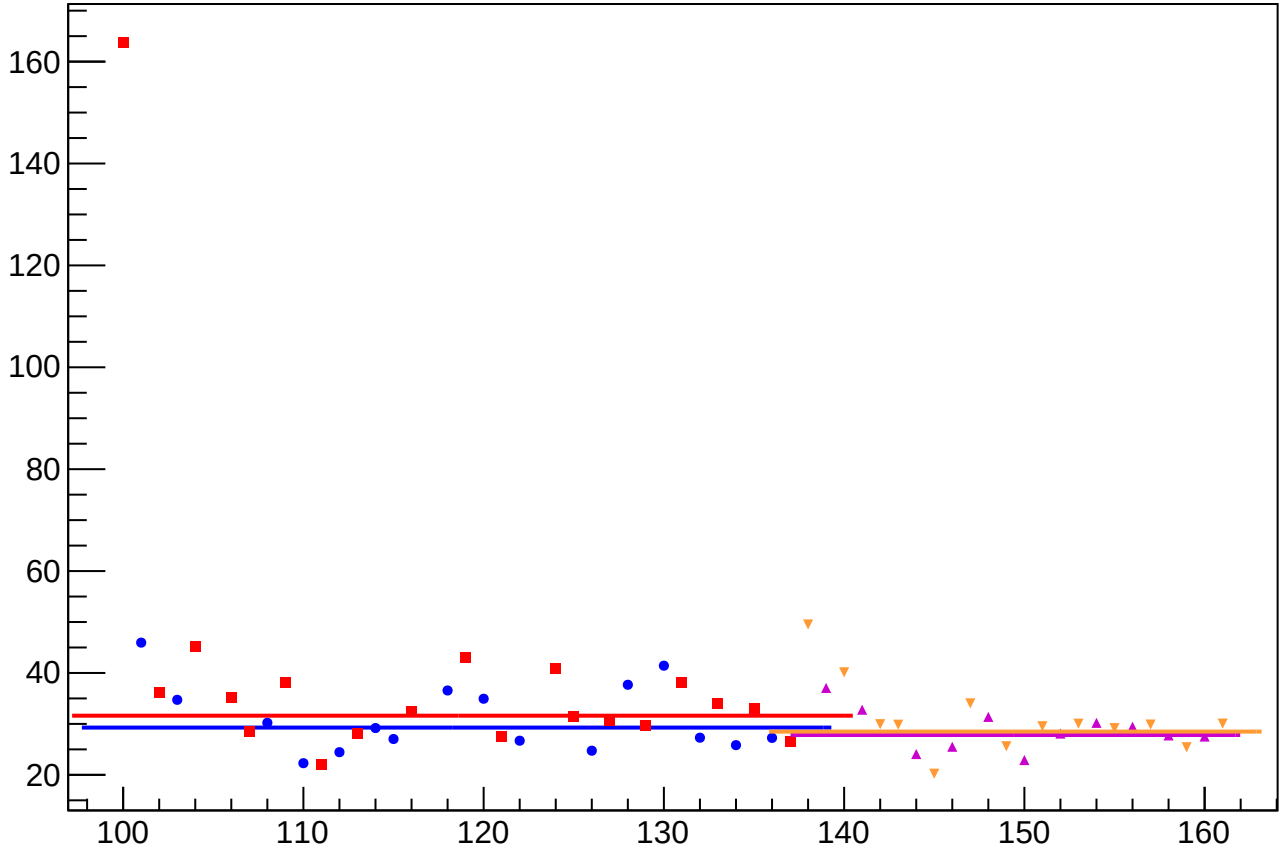
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.012+/-0.007 χ^2/NDF:38.2/31

All: -0.001+/-0.005 χ^2/NDF: 75.0/58

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.493+/-0.006 χ^2/NDF:772568.6/12

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

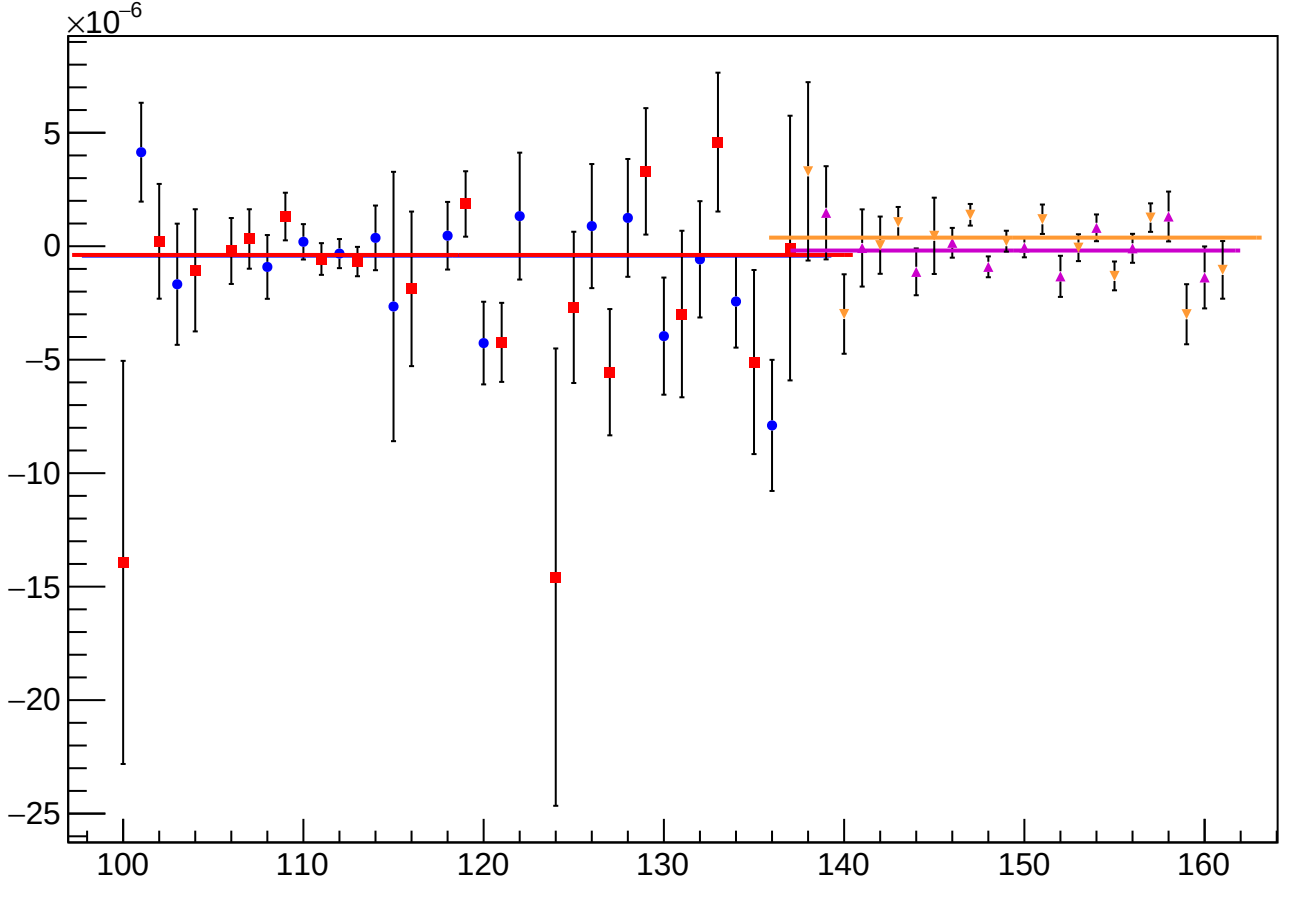
Left: 28.162+/-0.005 χ^2/NDF: 1091646.7/23

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.403+/-0.005 χ^2/NDF:894207.1/26

Out: 29.625+/-0.005 χ^2/NDF:1429520.7/31

All: 29.004+/-0.004 χ^2/NDF: 2352315.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/10

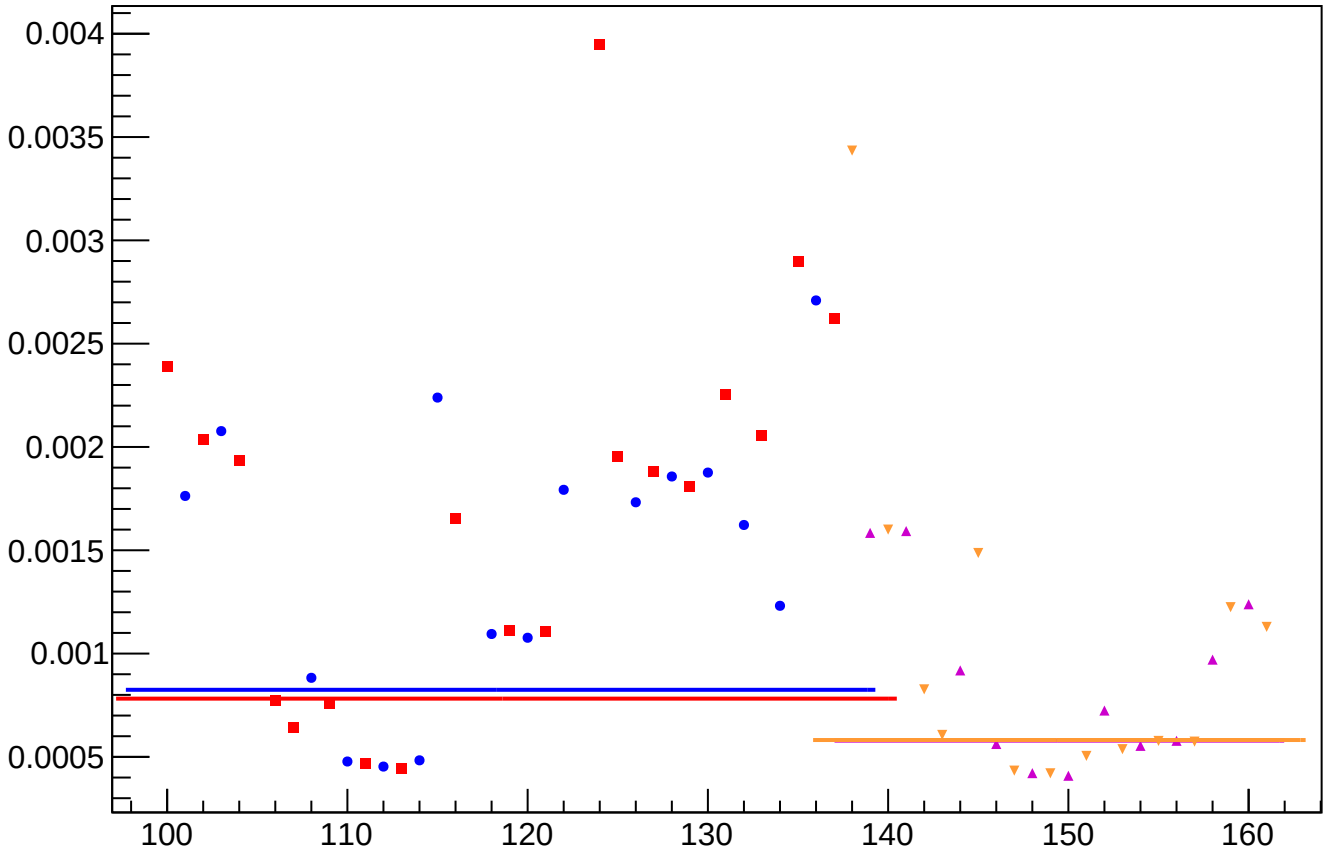
Left: 0.000+/-0.000 χ^2/NDF: 43.9/23

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/26

Out: 0.000+/-0.000 χ^2/NDF:57.7/31

All: -0.000+/-0.000 χ^2/NDF: 93.4/58



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3710802.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:2729949.3/10

Left: 0.001+/-0.000 χ^2/NDF: 6440957.7/23

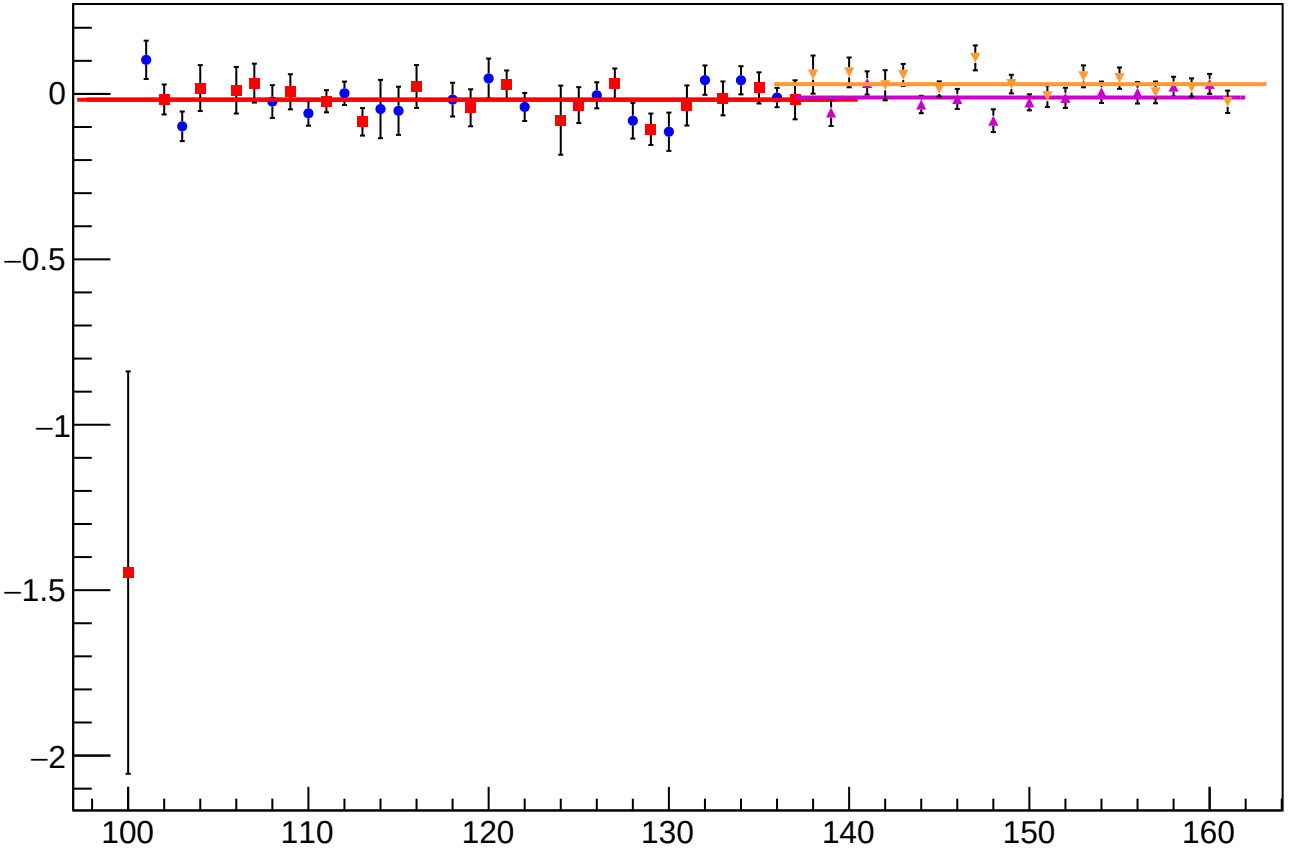
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7840216.2/26

Out: 0.001+/-0.000 χ^2/NDF:8841939.0/31

All: 0.001+/-0.000 χ^2/NDF: 16683920.7/58

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.010+/-0.006 χ^2/NDF: 32.9/23

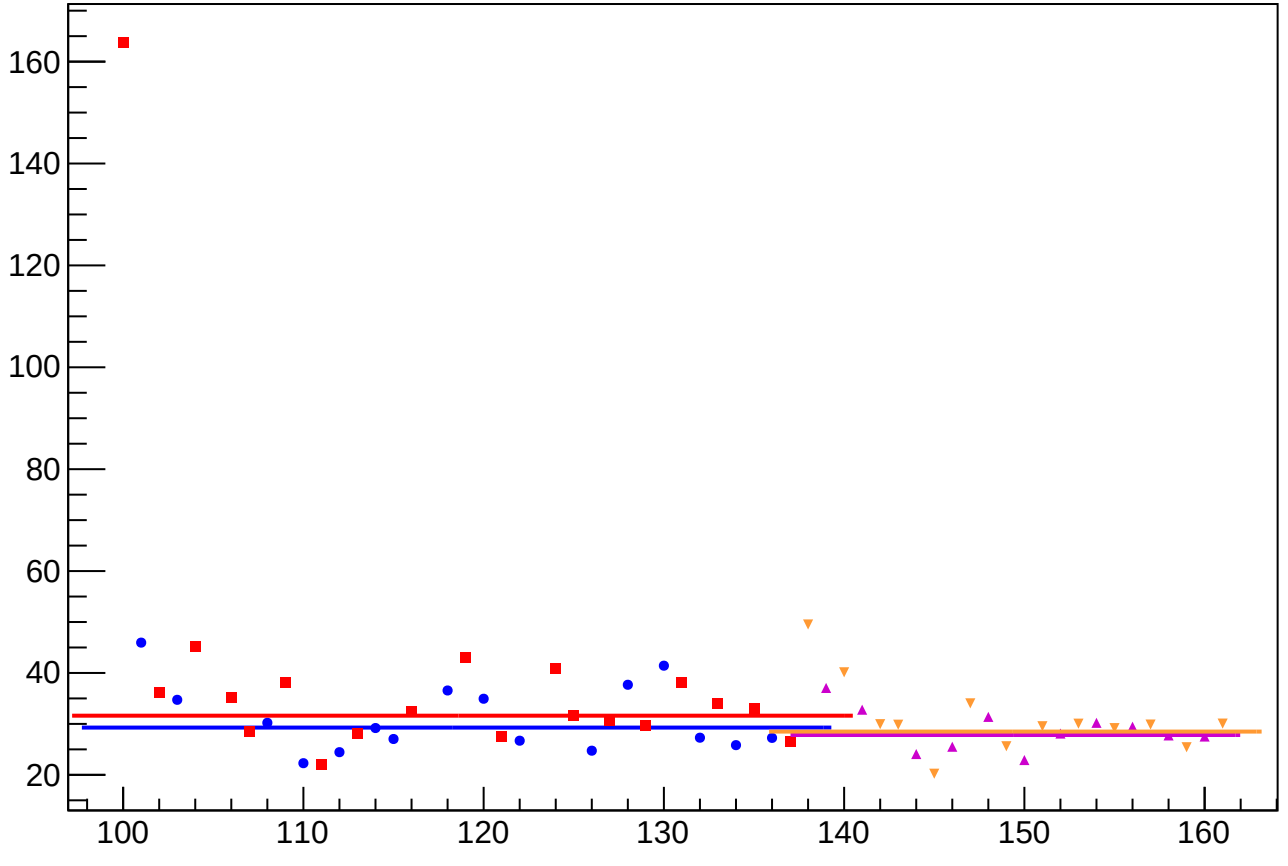
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.012+/-0.007 χ^2/NDF:38.2/31

All: -0.001+/-0.005 χ^2/NDF: 75.0/58

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.493+/-0.006 χ^2/NDF:772612.7/12

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

Left: 28.161+/-0.005 χ^2/NDF: 1091659.7/23

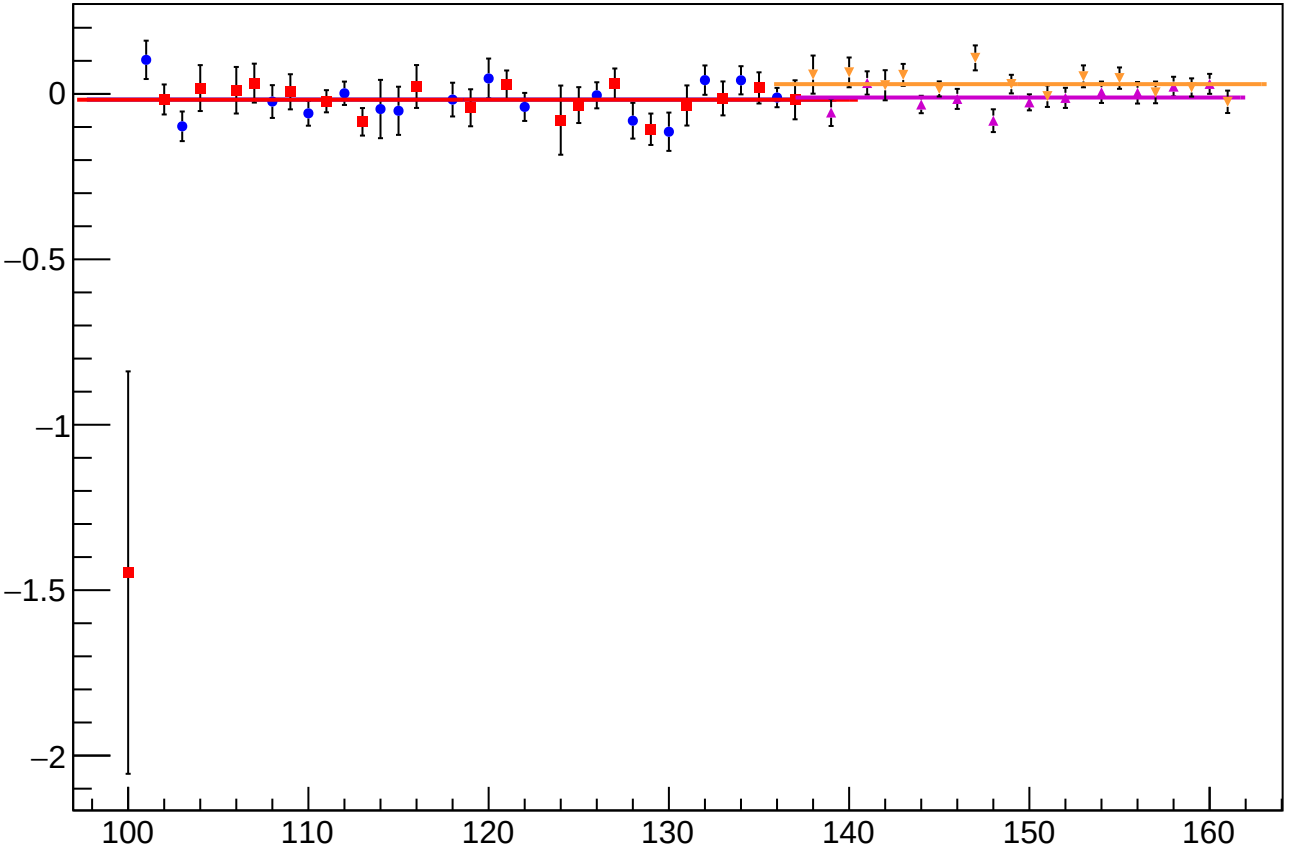
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.403+/-0.005 χ^2/NDF:894181.6/26

Out: 29.624+/-0.005 χ^2/NDF:1429585.0/31

All: 29.004+/-0.004 χ^2/NDF: 2352350.8/58

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/10

Left: 0.010+/-0.006 χ^2/NDF: 32.9/23

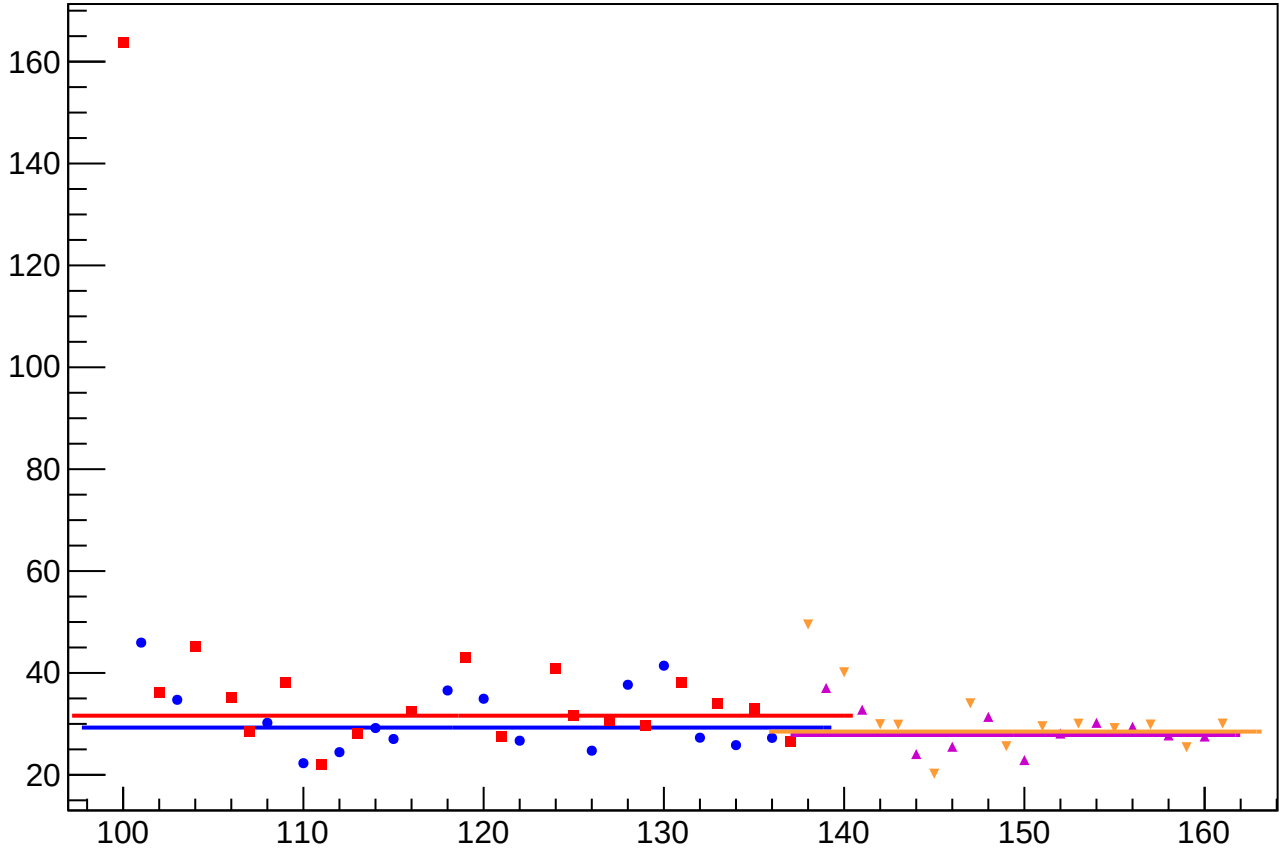
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/26

Out: 0.012+/-0.007 χ^2/NDF:38.2/31

All: -0.001+/-0.005 χ^2/NDF: 75.0/58

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.493+/-0.006 χ^2/NDF:772612.7/12

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

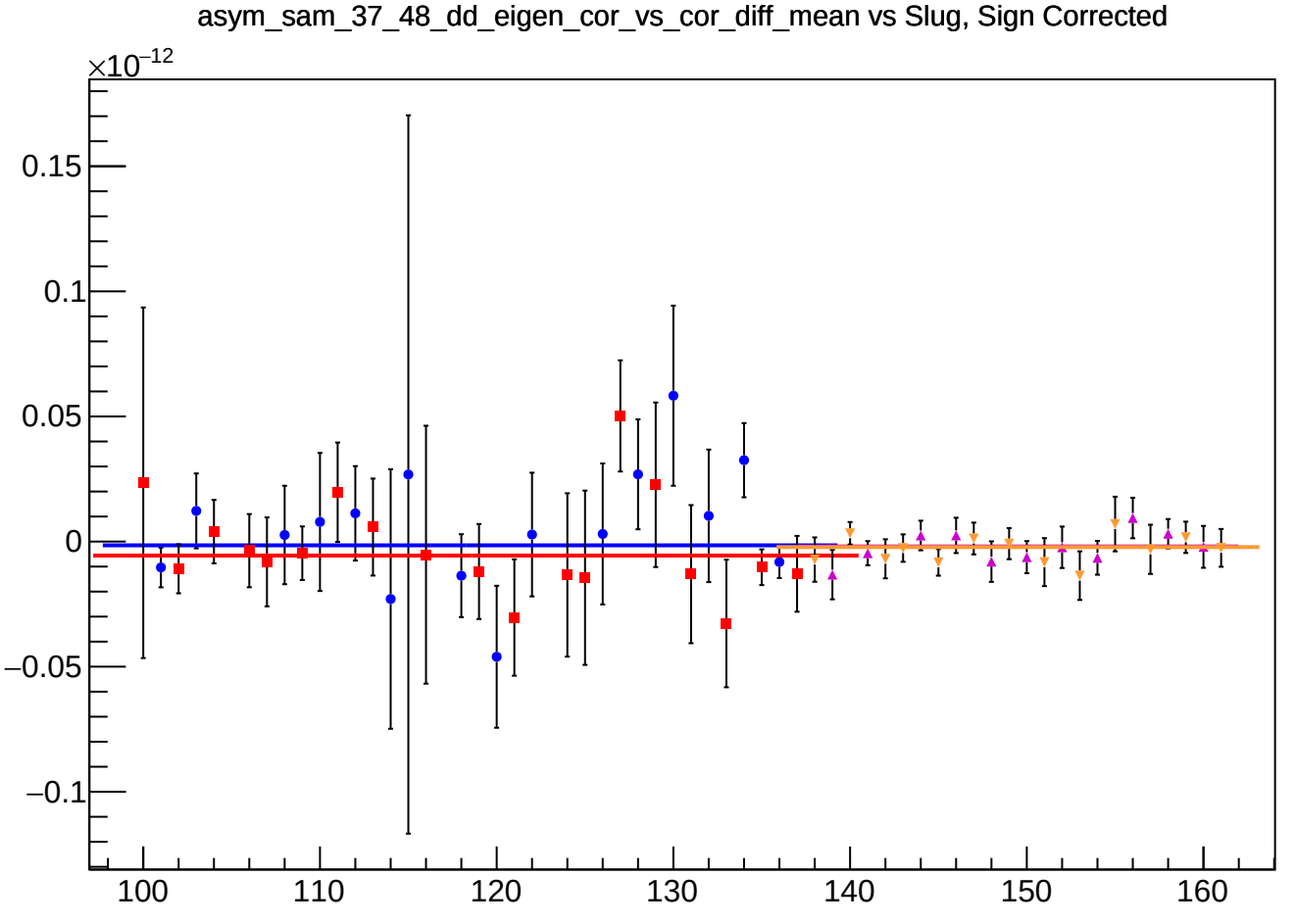
Left: 28.161+/-0.005 χ^2/NDF: 1091659.7/23

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.403+/-0.005 χ^2/NDF:894181.6/26

Out: 29.624+/-0.005 χ^2/NDF:1429585.0/31

All: 29.004+/-0.004 χ^2/NDF: 2352350.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

Left: -0.000+/-0.000 χ^2/NDF: 13.5/23

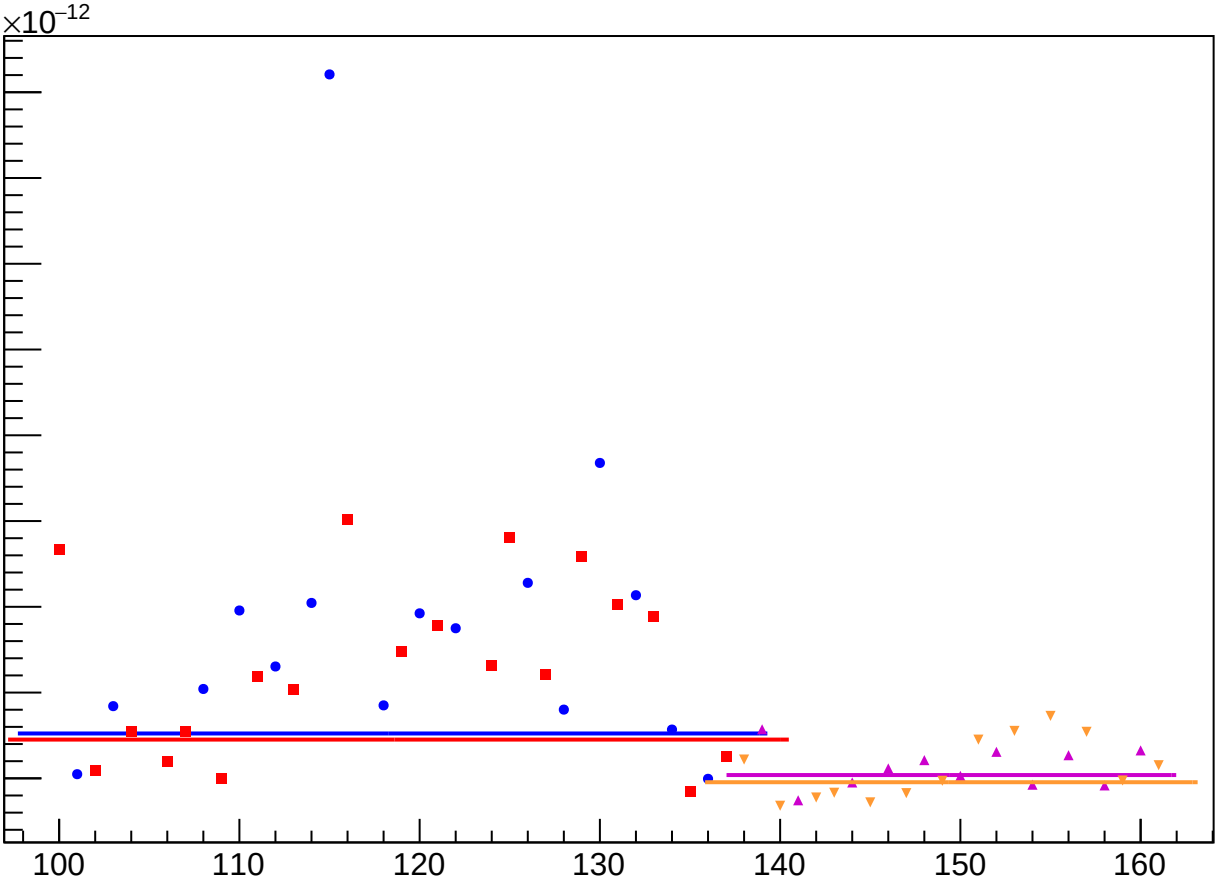
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:23.7/26

Out: -0.000+/-0.000 χ^2/NDF:20.7/31

All: -0.000+/-0.000 χ^2/NDF: 44.6/58

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:1187295.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:559269.7/10

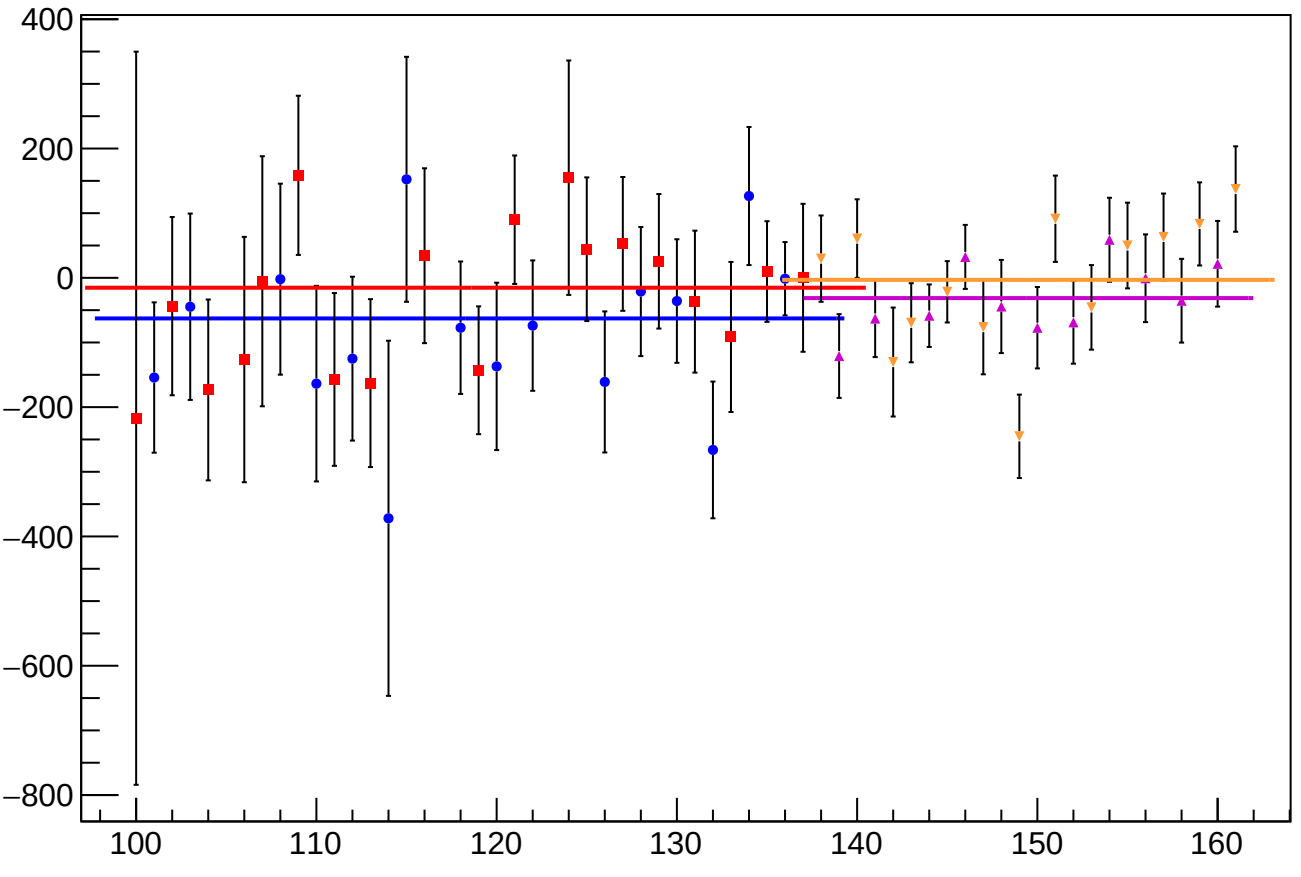
Left: 0.000+/-0.000 χ^2/NDF: 1791422.5/23

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3203988.9/26

Out: 0.000+/-0.000 χ^2/NDF:3917701.0/31

All: 0.000+/-0.000 χ^2/NDF: 7184894.3/58



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.087+/-17.805 χ^2/NDF:30.4/12

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -31.323+/-18.365 χ^2/NDF:7.9/10

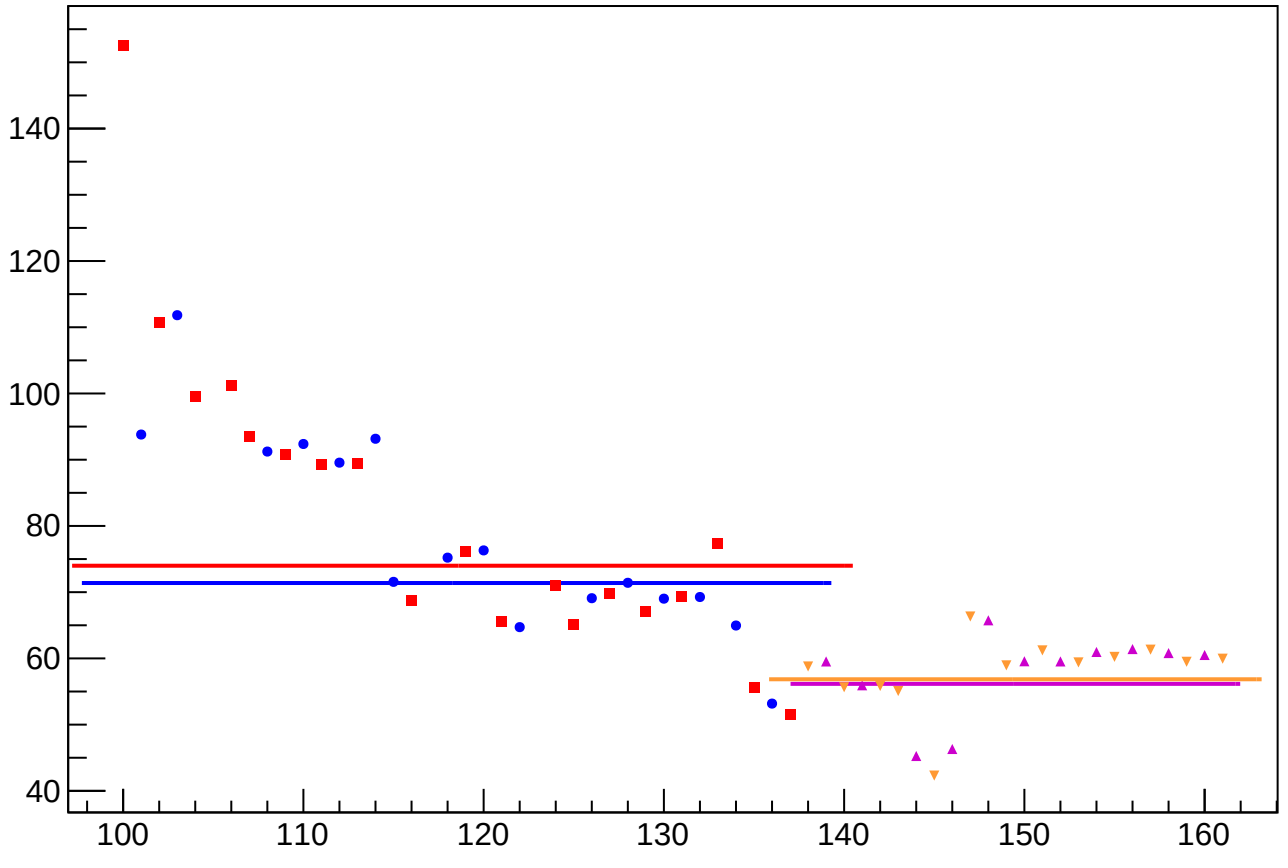
Left: -16.768+/-12.783 χ^2/NDF: 39.5/23

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -41.172+/-15.223 χ^2/NDF:22.3/26

Out: -6.641+/-14.989 χ^2/NDF:42.0/31

All: -23.639+/-10.680 χ^2/NDF: 66.9/58



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.156+/-0.013 χ^2/NDF:274779.9/10

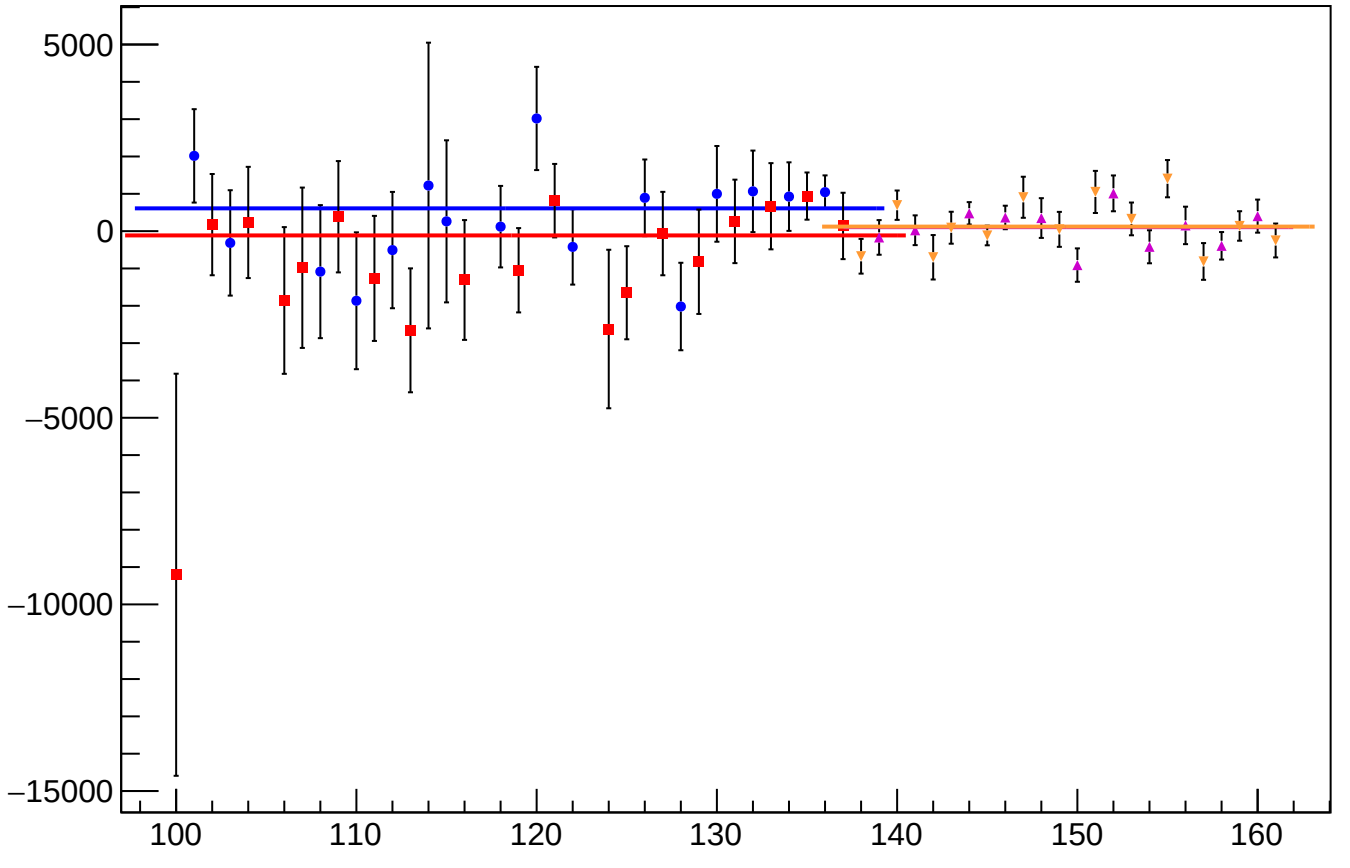
Left: 56.513+/-0.009 χ^2/NDF: 537827.8/23

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.921+/-0.011 χ^2/NDF:1295927.8/26

Out: 61.843+/-0.011 χ^2/NDF:1440285.0/31

All: 61.389+/-0.008 χ^2/NDF: 2739942.1/58



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 121.475+/-120.076 χ^2/NDF:23.7/12

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 106.860+/-122.575 χ^2/NDF:15.2/10

Left: 114.318+/-85.776 χ^2/NDF: 38.9/23

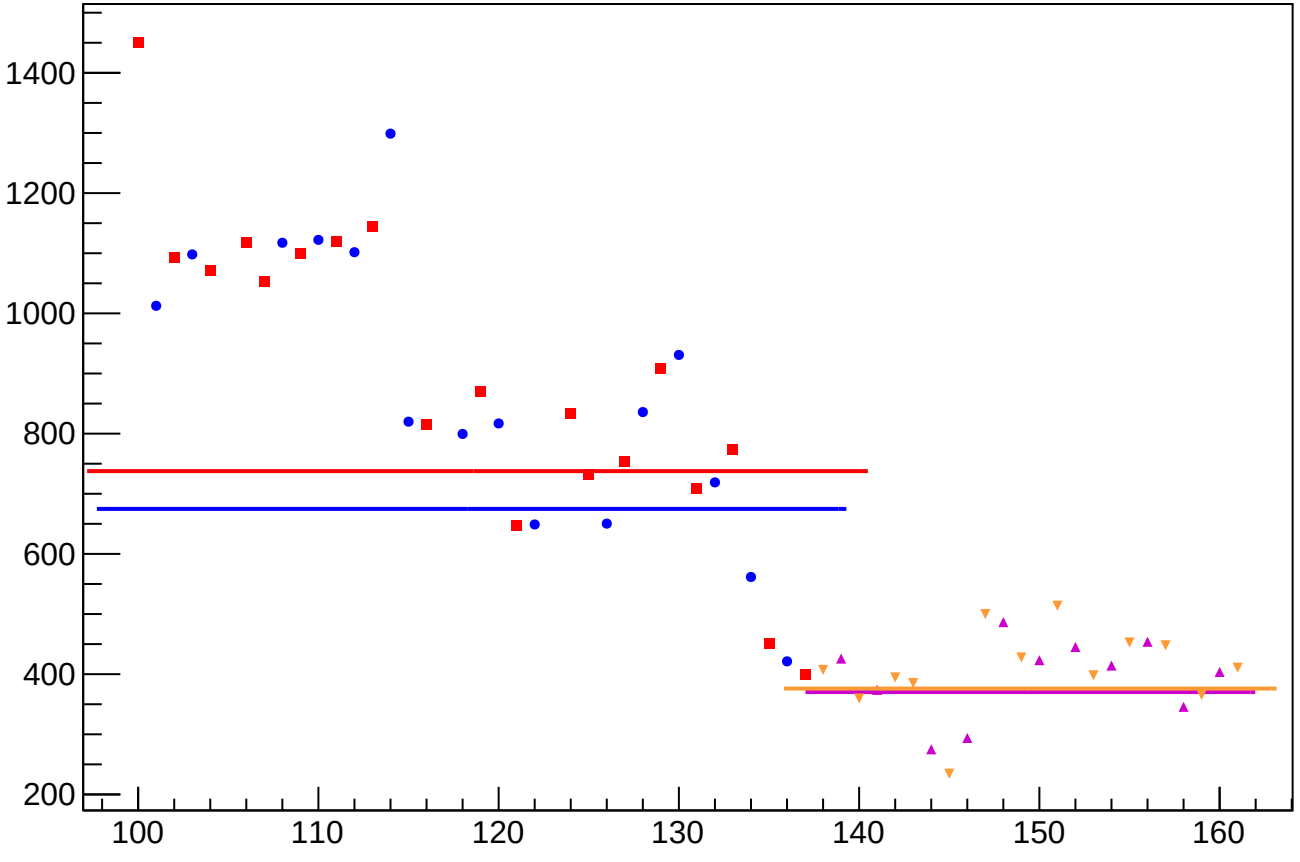
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 194.646+/-111.382 χ^2/NDF:33.9/26

Out: 85.735+/-110.615 χ^2/NDF:39.8/31

All: 139.814+/-78.487 χ^2/NDF: 74.2/58

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 376.061+/-0.085 χ^2/NDF:944875.7/12

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 370.252+/-0.087 χ^2/NDF:616329.9/10

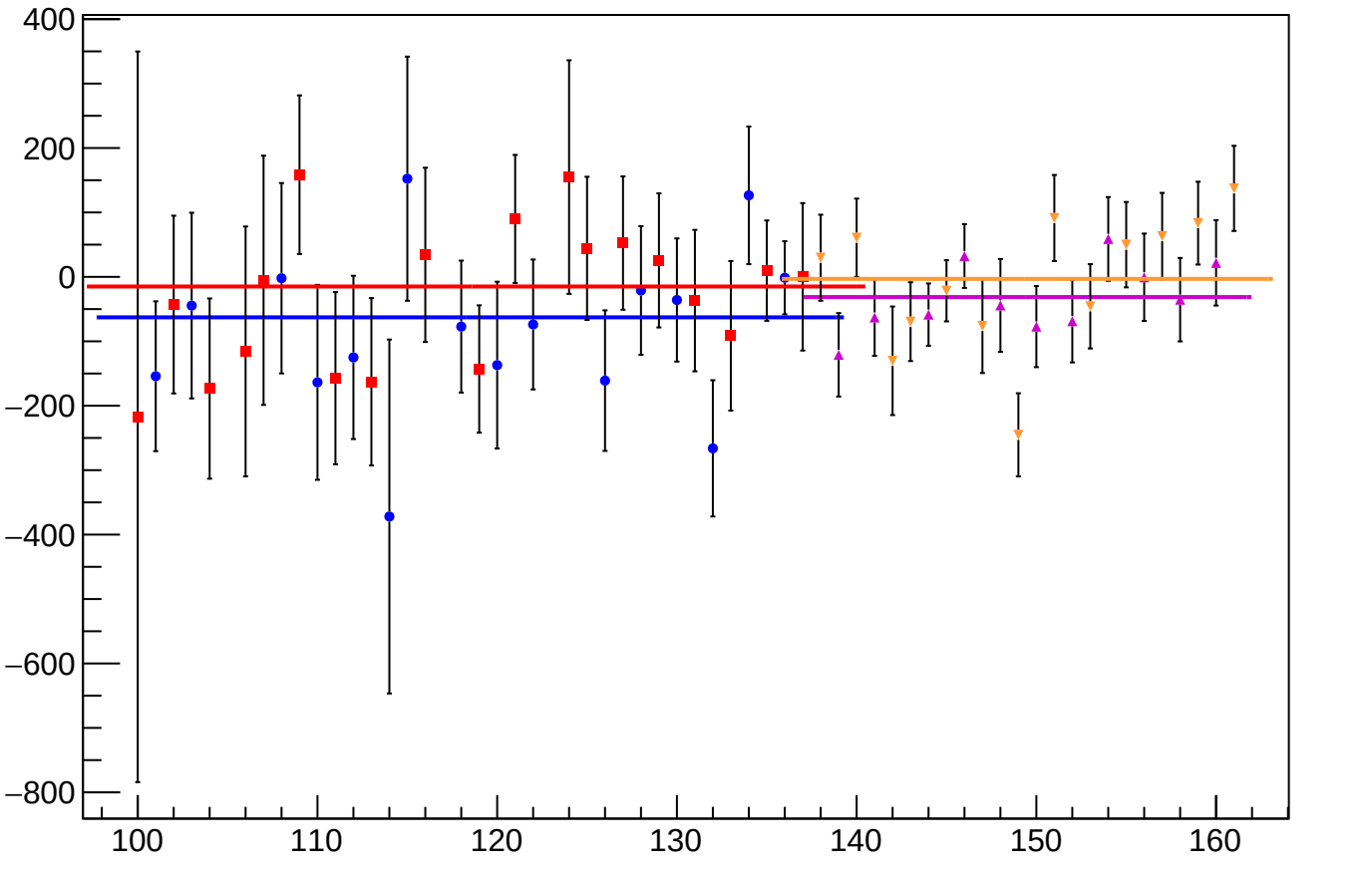
Left: 373.216+/-0.061 χ^2/NDF: 1563497.9/23

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 423.335+/-0.079 χ^2/NDF:4386122.3/26

Out: 430.798+/-0.078 χ^2/NDF:5207288.3/31

All: 427.092+/-0.055 χ^2/NDF: 9597931.8/58



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.089+/-17.805 χ^2/NDF:30.4/12

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -31.323+/-18.365 χ^2/NDF:7.9/10

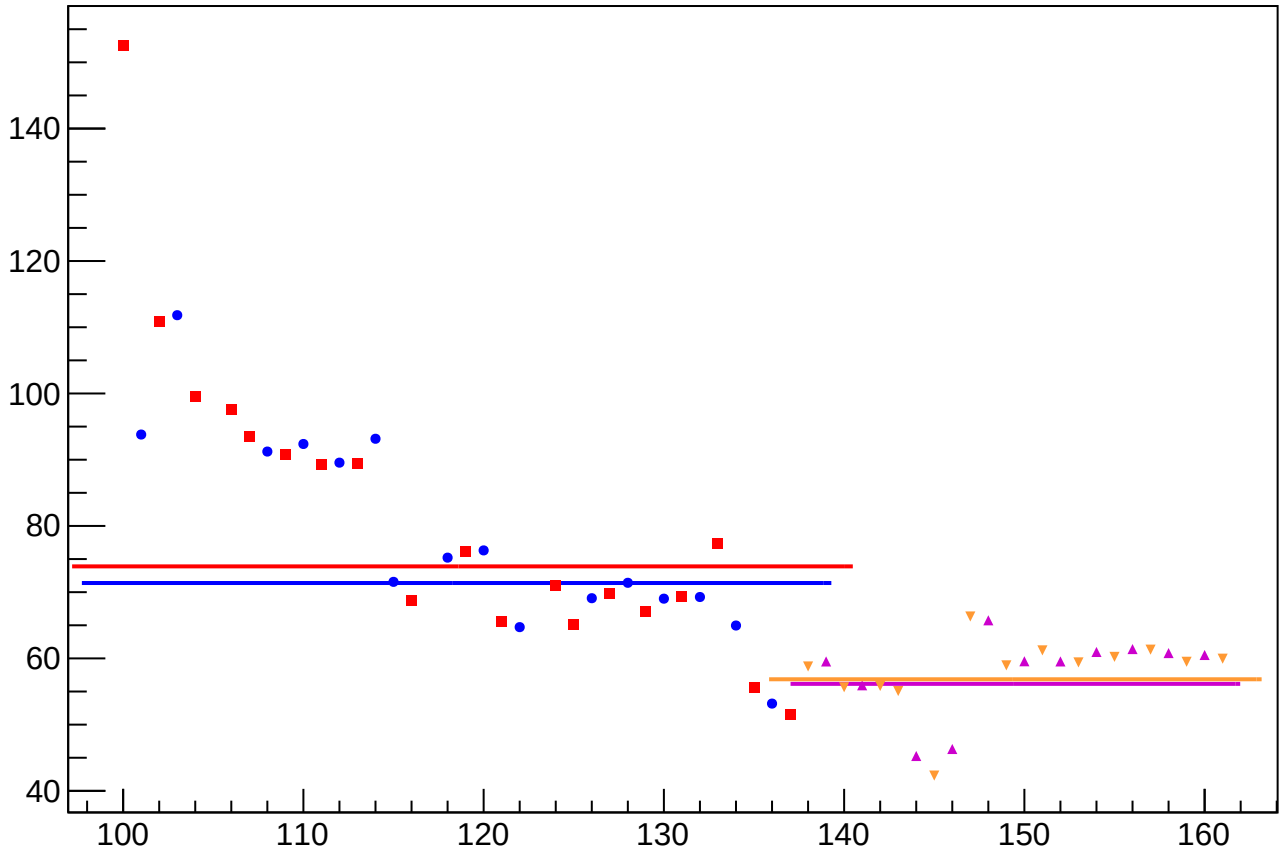
Left: -16.769+/-12.783 χ^2/NDF: 39.5/23

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -41.169+/-15.223 χ^2/NDF:22.3/26

Out: -6.537+/-14.991 χ^2/NDF:41.9/31

All: -23.587+/-10.681 χ^2/NDF: 66.8/58



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

Left: 56.513+/-0.009 χ^2/NDF: 537827.8/23

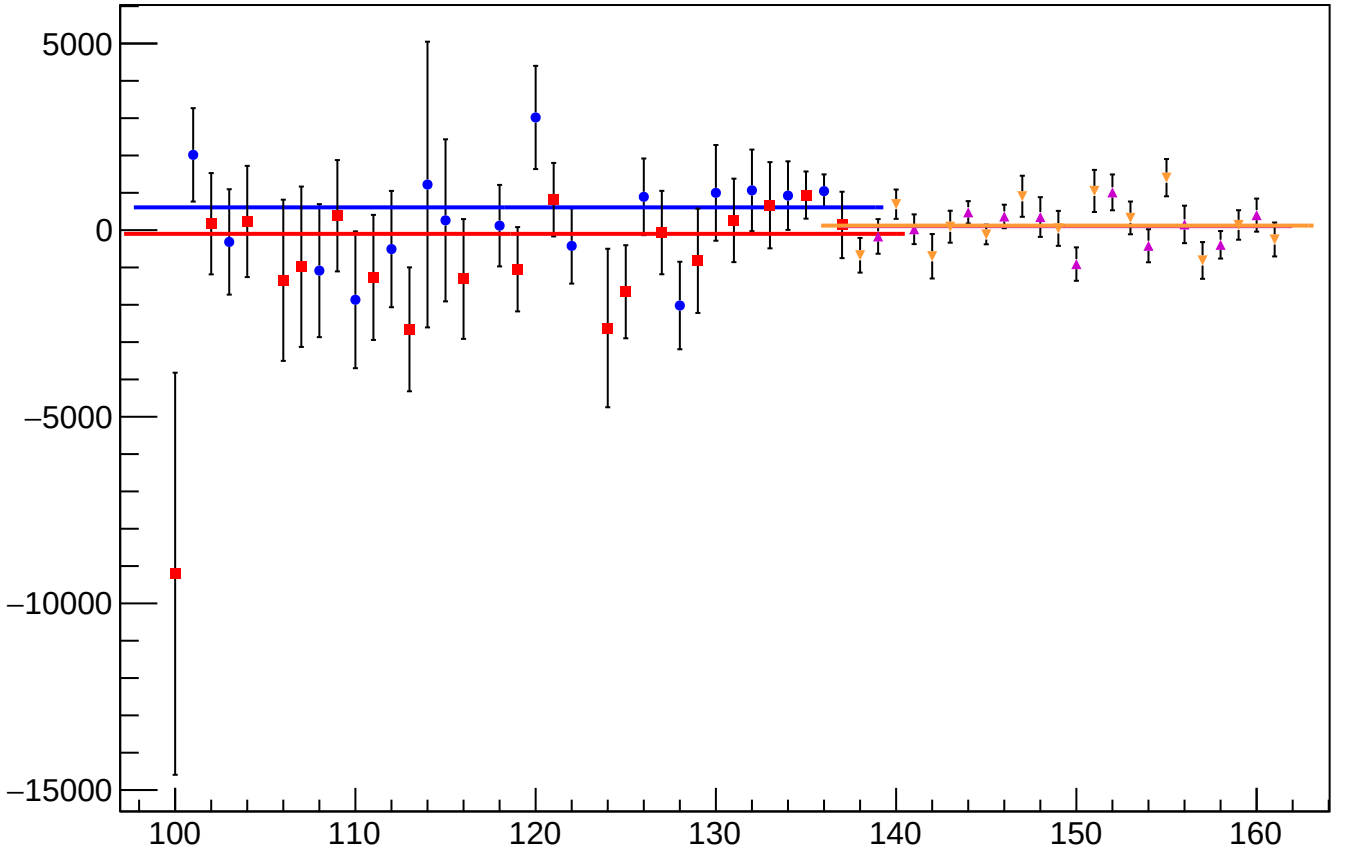
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.011 χ^2/NDF:1295930.4/26

Out: 61.811+/-0.011 χ^2/NDF:1422225.1/31

All: 61.373+/-0.008 χ^2/NDF: 2721626.8/58

asym_sam_15_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 121.471+/-120.076 χ^2/NDF:23.7/12

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 106.856+/-122.575 χ^2/NDF:15.2/10

Left: 114.314+/-85.776 χ^2/NDF: 38.9/23

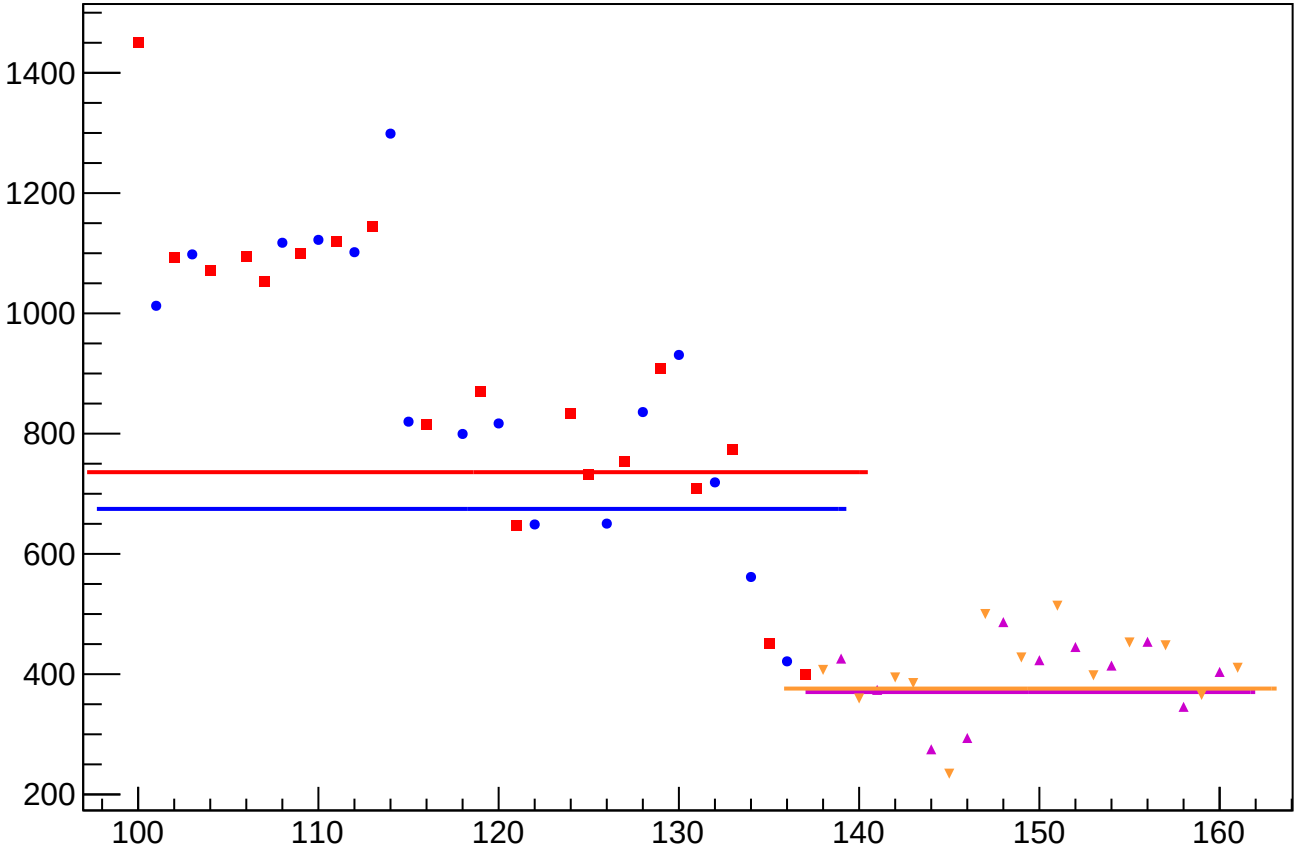
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 194.641+/-111.383 χ^2/NDF:33.9/26

Out: 88.118+/-110.646 χ^2/NDF:39.3/31

All: 141.026+/-78.497 χ^2/NDF: 73.6/58

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 376.061+/-0.085 χ^2/NDF:944883.2/12

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

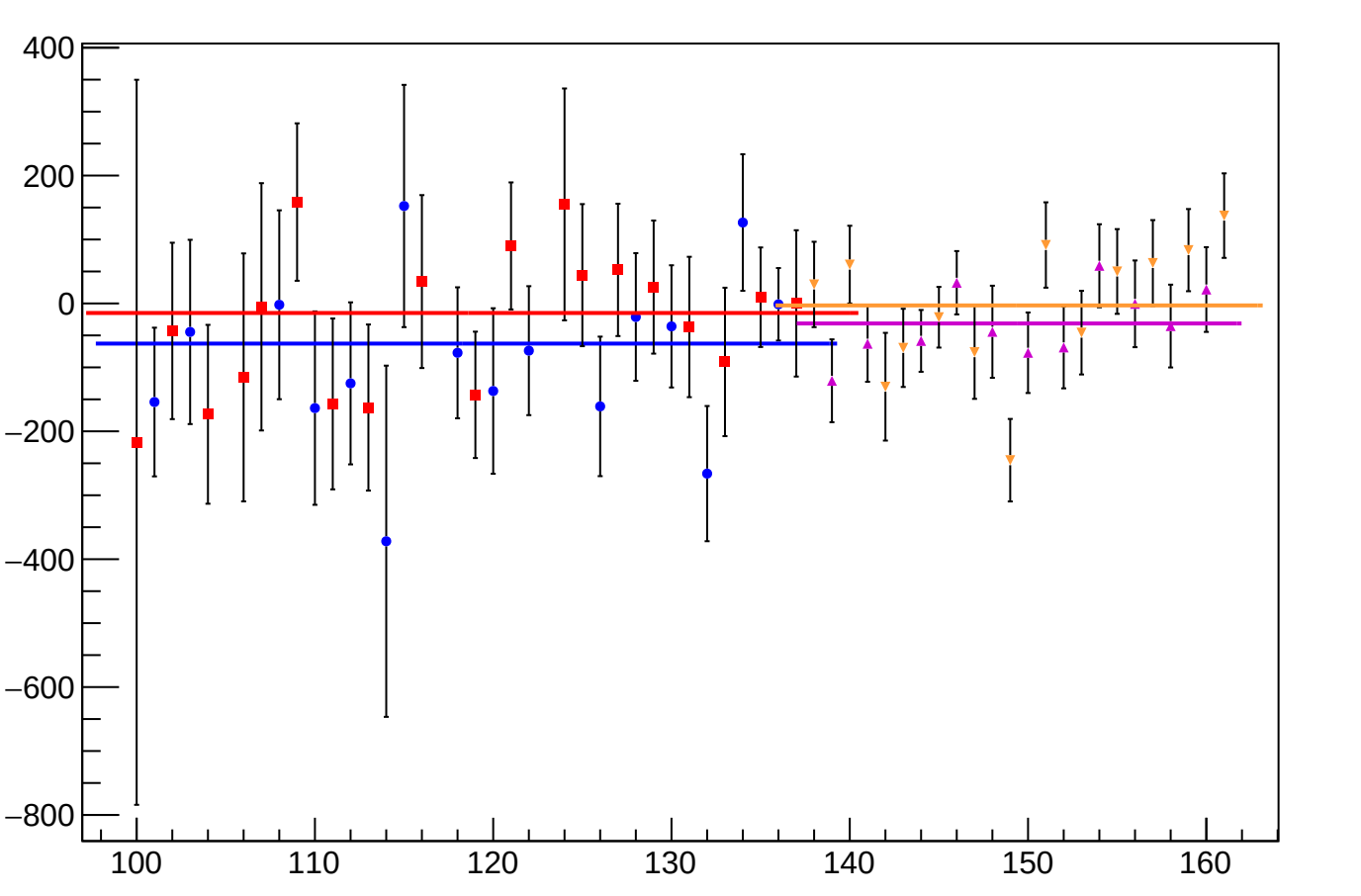
Left: 373.216+/-0.061 χ^2/NDF: 1563505.8/23

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 423.335+/-0.079 χ^2/NDF:4386146.5/26

Out: 430.364+/-0.078 χ^2/NDF:5152535.4/31

All: 426.873+/-0.056 χ^2/NDF: 9542691.2/58



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.089+/-17.805 χ^2/NDF:30.4/12

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -31.323+/-18.365 χ^2/NDF:7.9/10

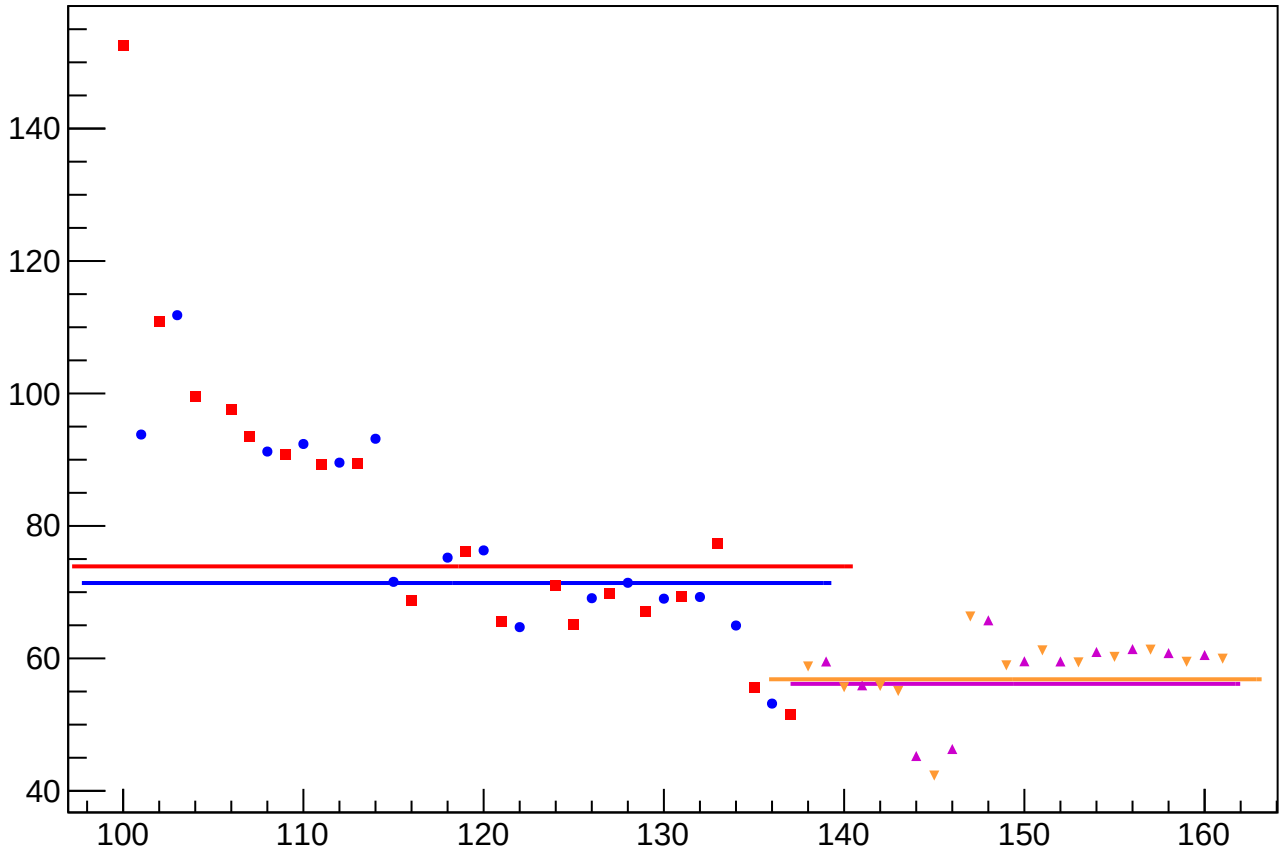
Left: -16.769+/-12.783 χ^2/NDF: 39.5/23

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -41.169+/-15.223 χ^2/NDF:22.3/26

Out: -6.537+/-14.991 χ^2/NDF:41.9/31

All: -23.587+/-10.681 χ^2/NDF: 66.8/58



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

Left: 56.513+/-0.009 χ^2/NDF: 537827.8/23

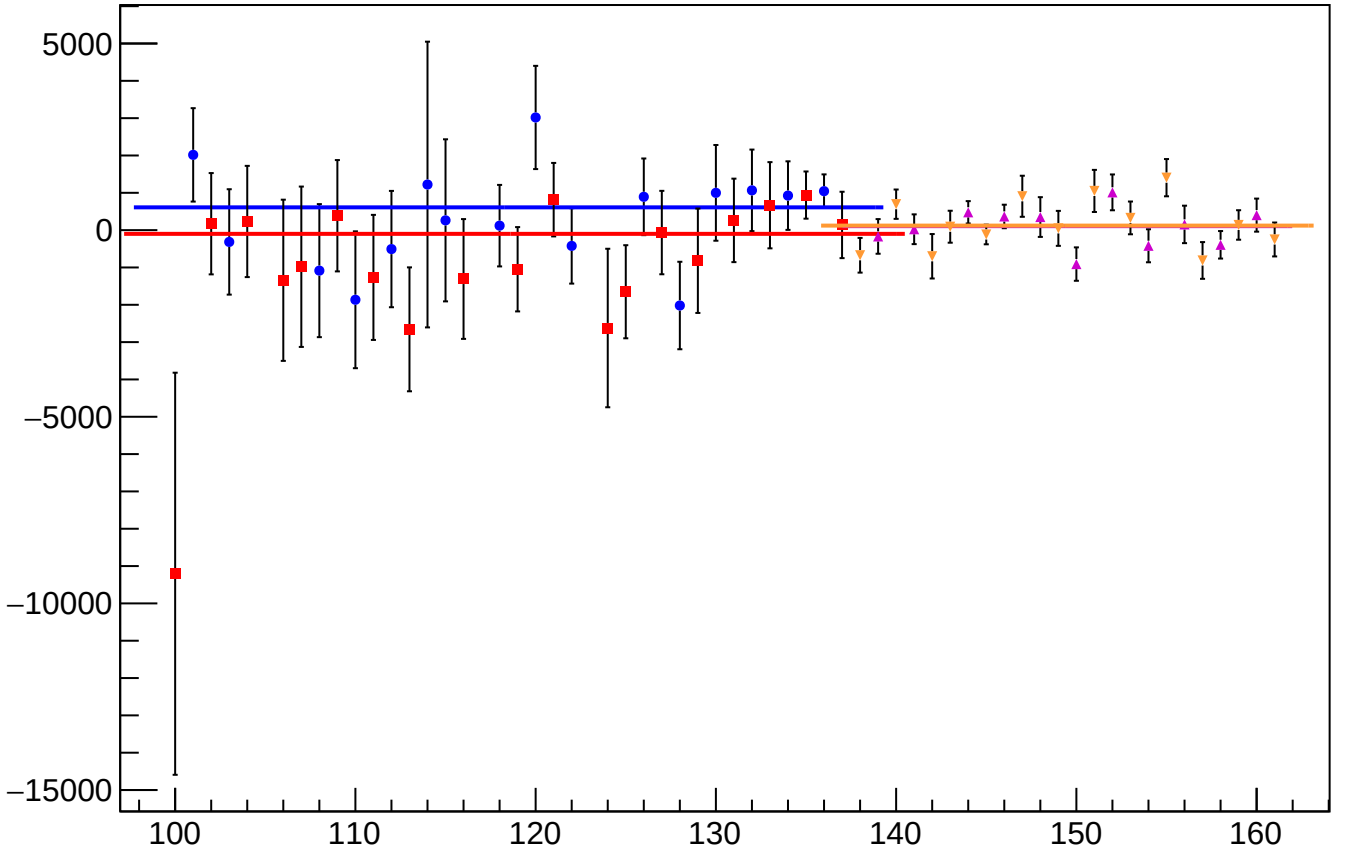
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.011 χ^2/NDF:1295930.4/26

Out: 61.811+/-0.011 χ^2/NDF:1422225.1/31

All: 61.373+/-0.008 χ^2/NDF: 2721626.8/58

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 121.471+/-120.076 χ^2/NDF:23.7/12

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 106.856+/-122.575 χ^2/NDF:15.2/10

Left: 114.314+/-85.776 χ^2/NDF: 38.9/23

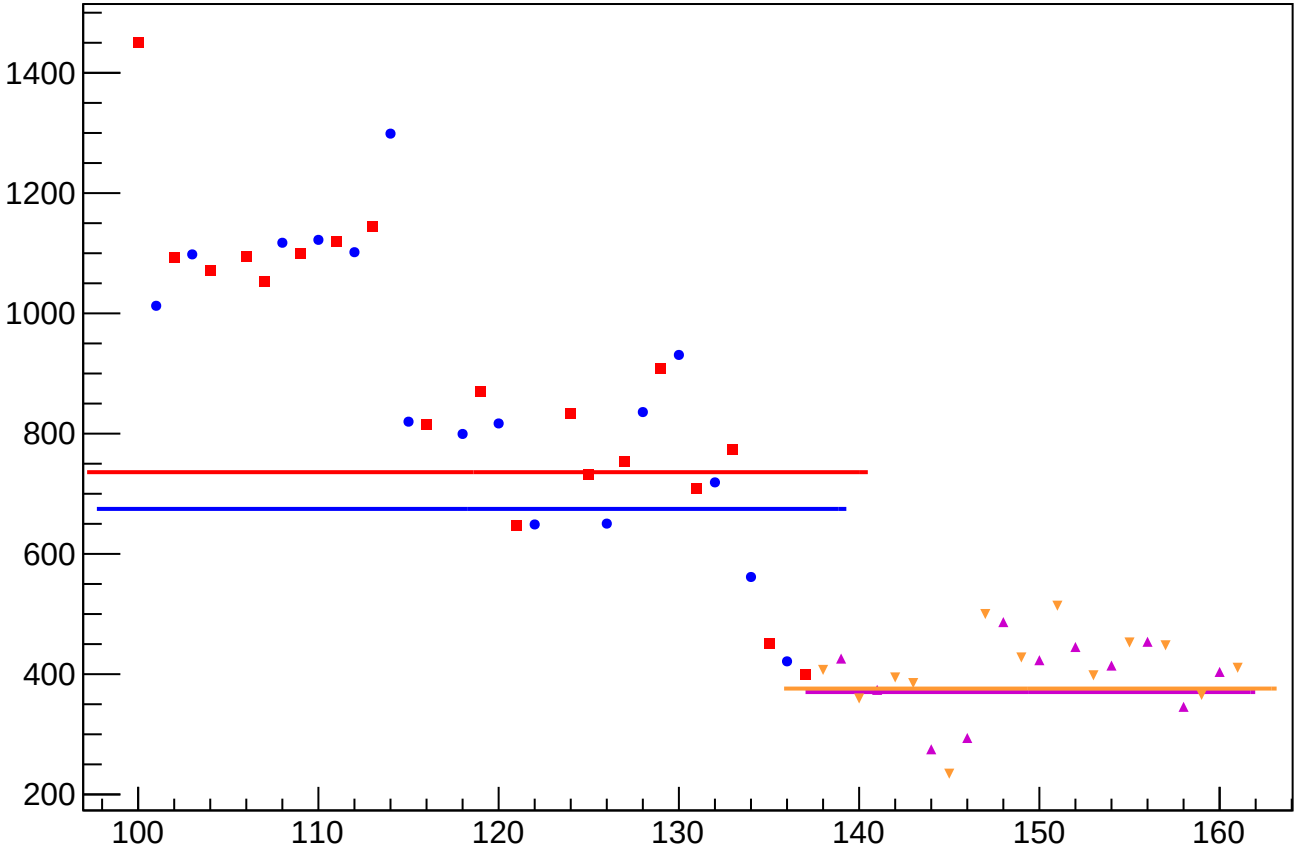
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 194.641+/-111.383 χ^2/NDF:33.9/26

Out: 88.118+/-110.646 χ^2/NDF:39.3/31

All: 141.026+/-78.497 χ^2/NDF: 73.6/58

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 376.061+/-0.085 χ^2/NDF:944883.2/12

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

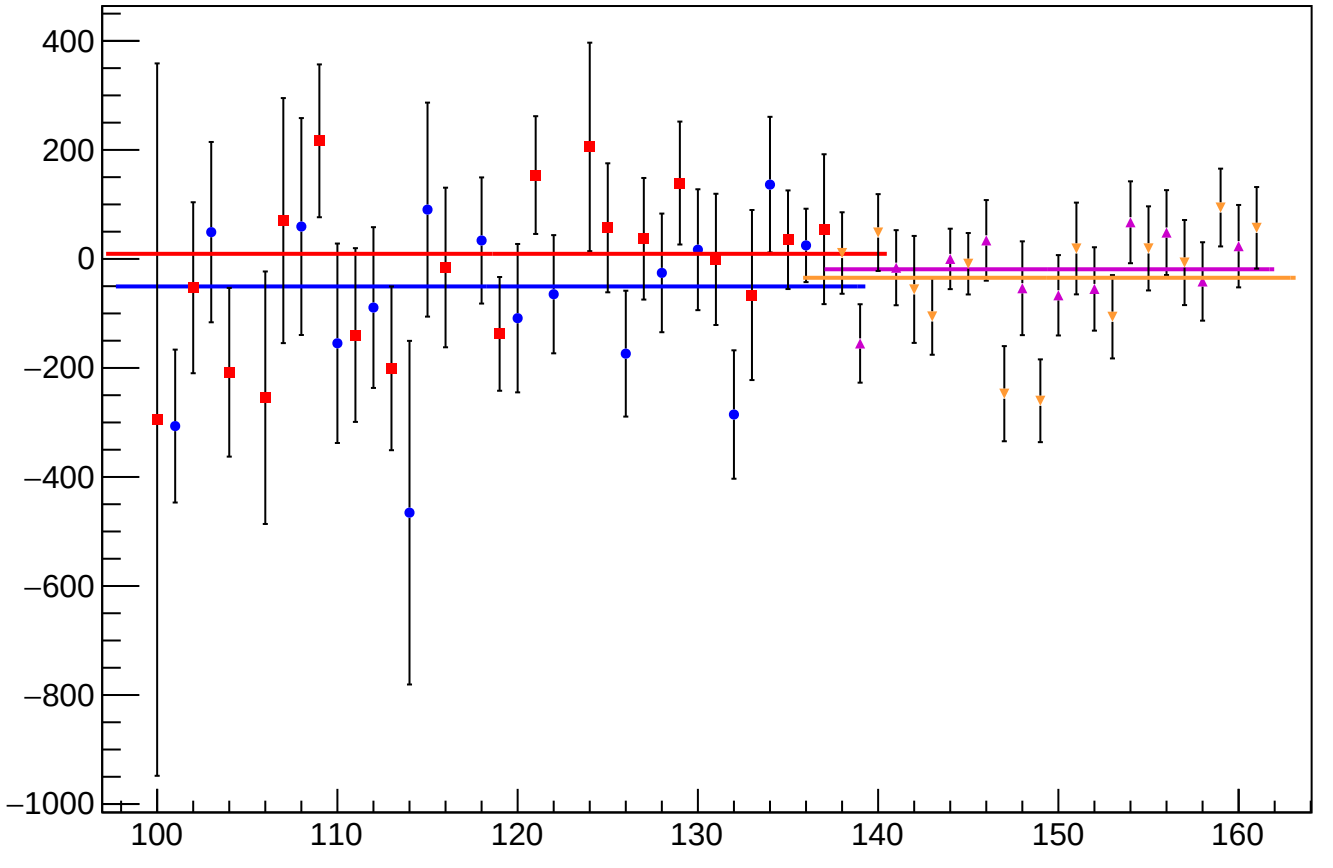
Left: 373.216+/-0.061 χ^2/NDF: 1563505.8/23

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 423.335+/-0.079 χ^2/NDF:4386146.5/26

Out: 430.364+/-0.078 χ^2/NDF:5152535.4/31

All: 426.873+/-0.056 χ^2/NDF: 9542691.2/58



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -34.580+/-20.736 χ^2/NDF:24.5/12

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -18.957+/-21.756 χ^2/NDF:7.5/10

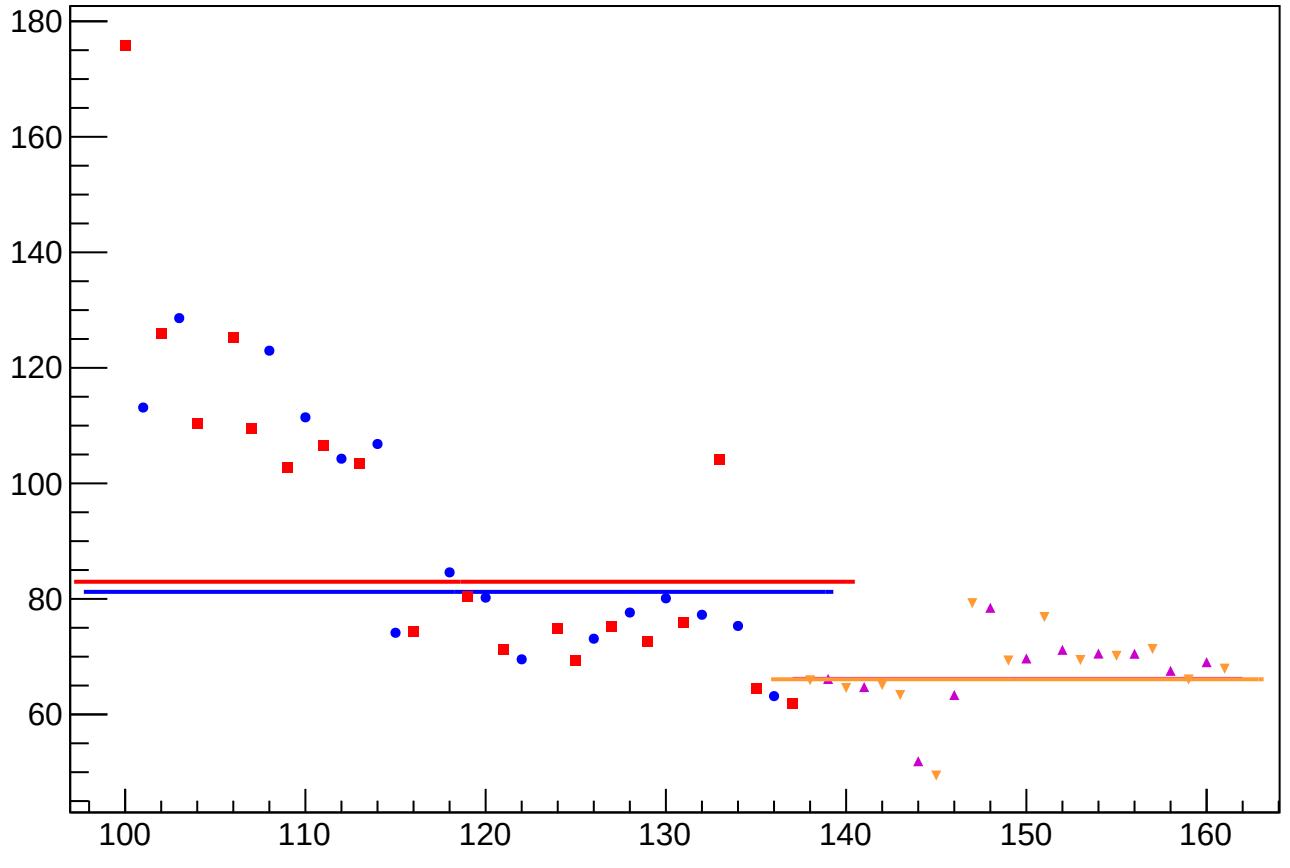
Left: -27.144+/-15.010 χ^2/NDF: 32.2/23

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -29.327+/-17.820 χ^2/NDF:24.6/26

Out: -21.132+/-17.276 χ^2/NDF:41.4/31

All: -25.103+/-12.404 χ^2/NDF: 66.1/58



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.086+/-0.015 χ^2/NDF:280638.3/12

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.155+/-0.015 χ^2/NDF:206902.5/10

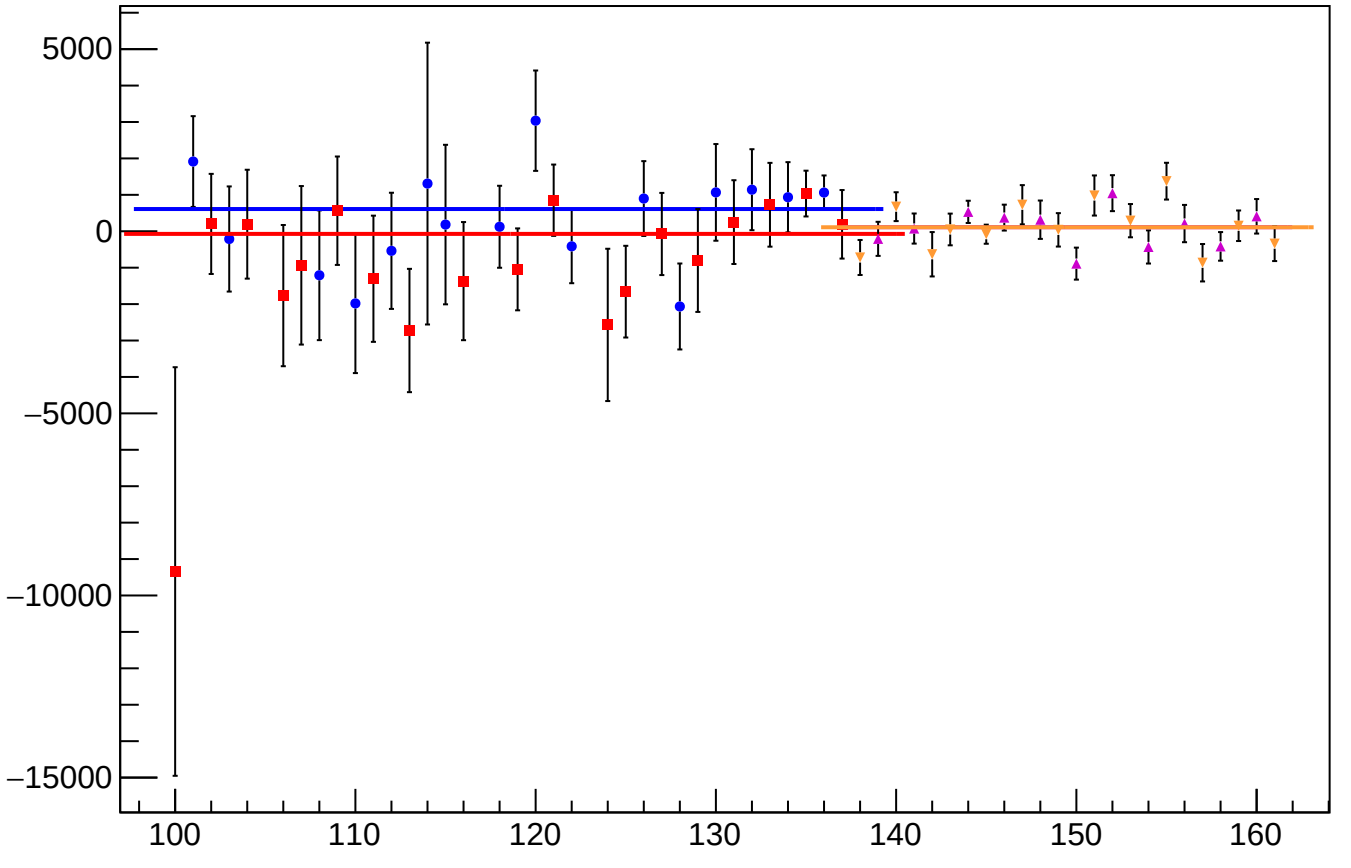
Left: 66.119+/-0.011 χ^2/NDF: 487551.4/23

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.113+/-0.013 χ^2/NDF:1185325.2/26

Out: 71.251+/-0.012 χ^2/NDF:1416701.3/31

All: 71.184+/-0.009 χ^2/NDF: 2602088.8/58



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 109.846+/-121.919 χ^2/NDF:21.8/12

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 111.591+/-127.484 χ^2/NDF:15.5/10

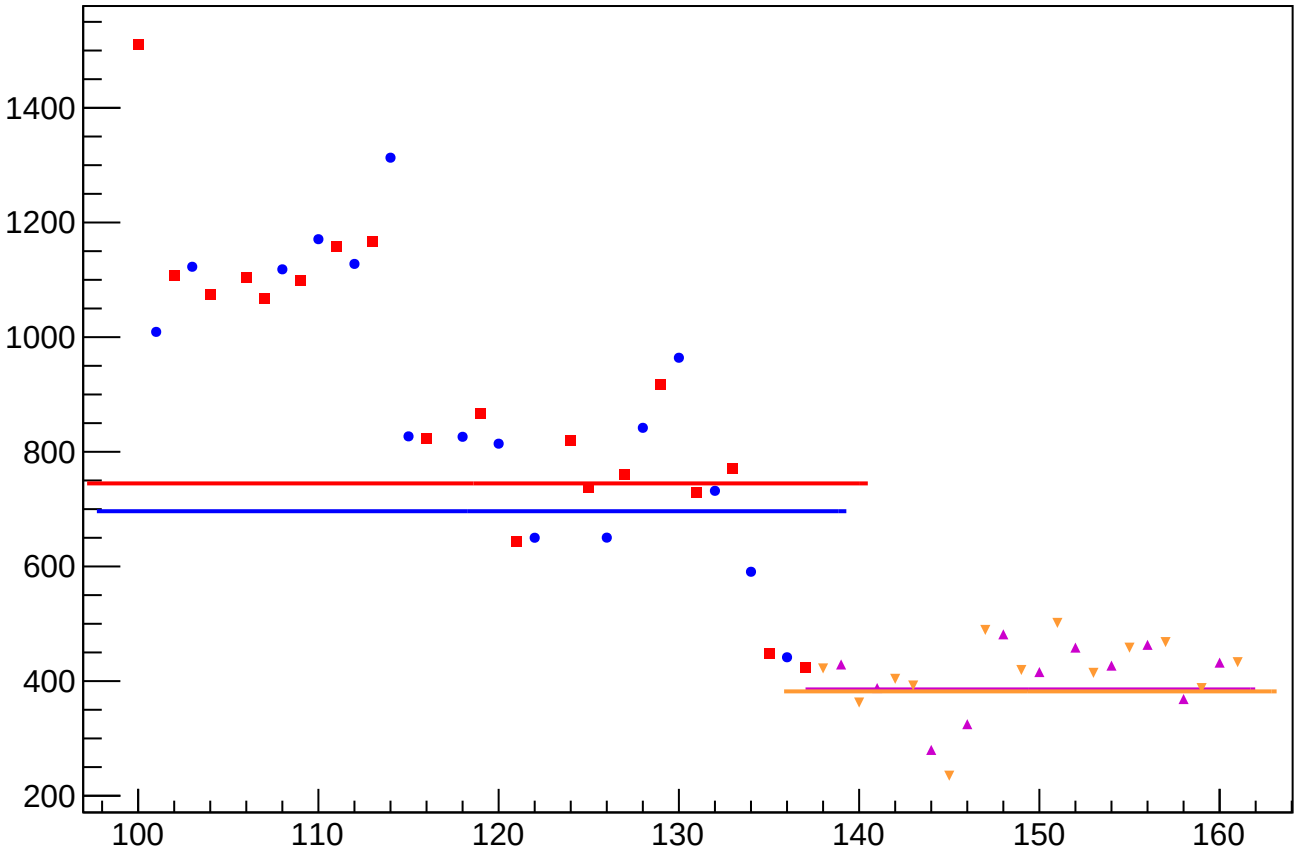
Left: 110.679+/-88.111 χ^2/NDF: 37.3/23

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 200.362+/-115.584 χ^2/NDF:34.0/26

Out: 81.971+/-112.203 χ^2/NDF:38.3/31

All: 139.410+/-80.509 χ^2/NDF: 72.9/58



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 382.079+/-0.086 χ^2/NDF:972302.7/12

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 385.513+/-0.090 χ^2/NDF:520292.9/10

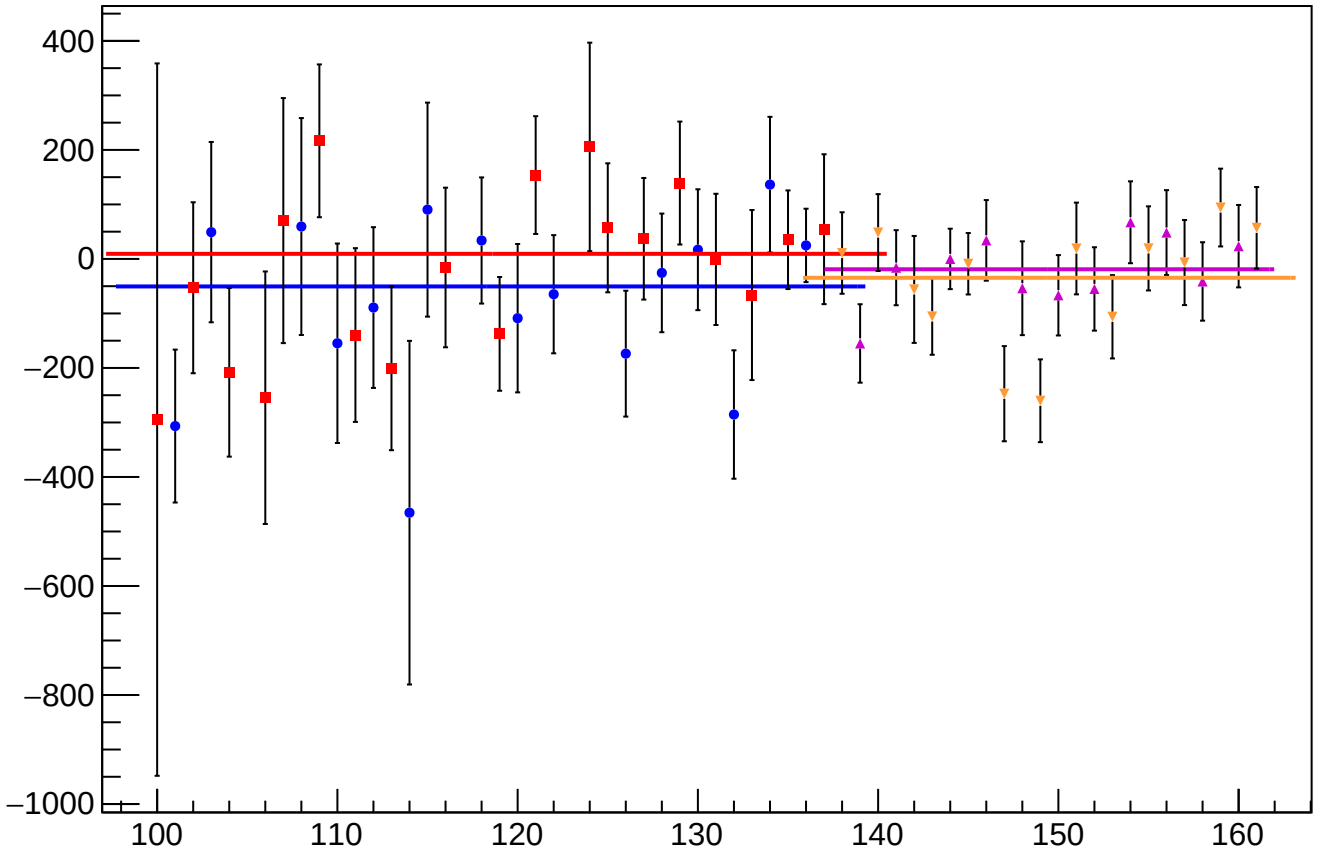
Left: 383.719+/-0.062 χ^2/NDF: 1493353.4/23

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 440.837+/-0.082 χ^2/NDF:4152169.7/26

Out: 437.596+/-0.079 χ^2/NDF:5180704.5/31

All: 439.168+/-0.057 χ^2/NDF: 9333683.8/58



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -34.580+/-20.736 χ^2/NDF:24.5/12

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -18.956+/-21.756 χ^2/NDF:7.5/10

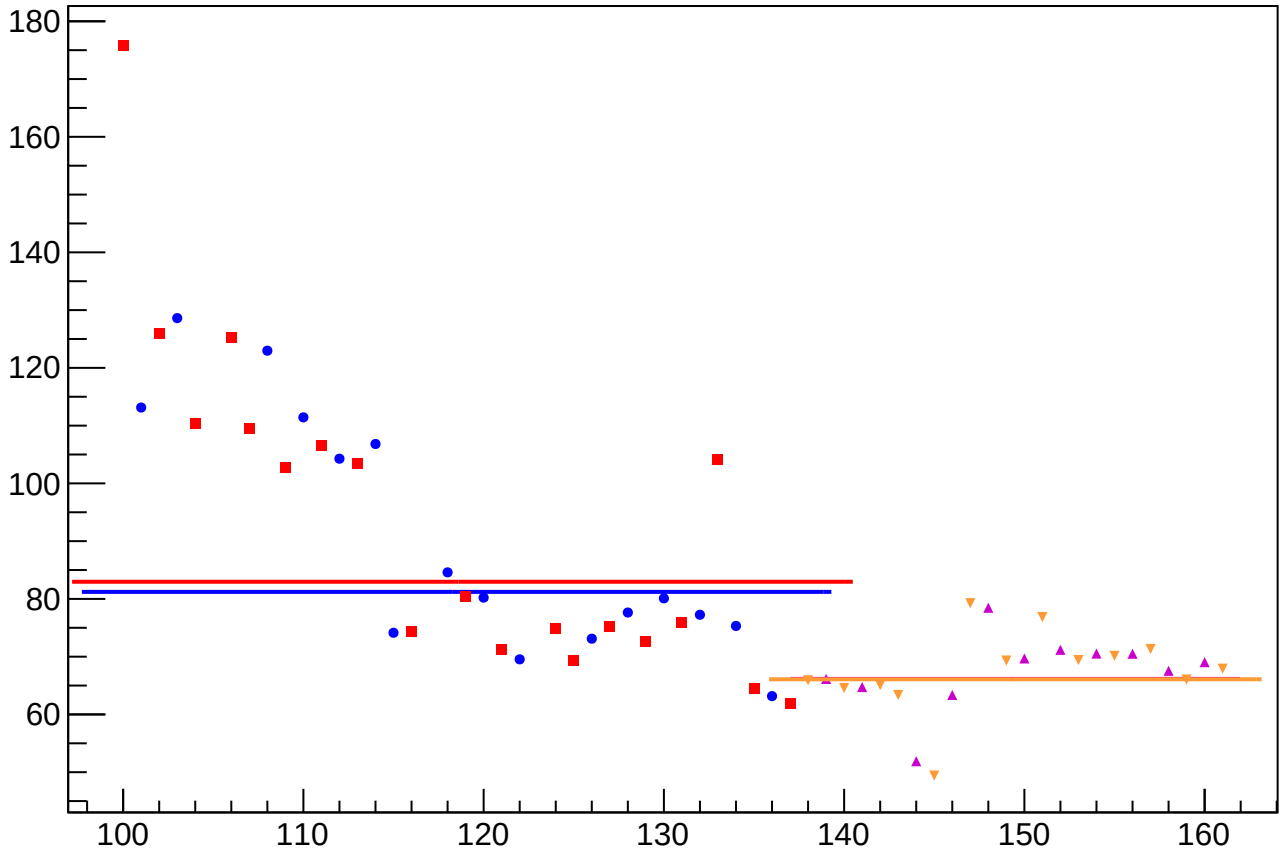
Left: -27.143+/-15.010 χ^2/NDF: 32.2/23

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -29.327+/-17.820 χ^2/NDF:24.6/26

Out: -21.132+/-17.276 χ^2/NDF:41.4/31

All: -25.102+/-12.404 χ^2/NDF: 66.1/58



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.086+/-0.015 χ^2/NDF:280632.6/12

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.155+/-0.015 χ^2/NDF:206900.3/10

Left: 66.119+/-0.011 χ^2/NDF: 487543.5/23

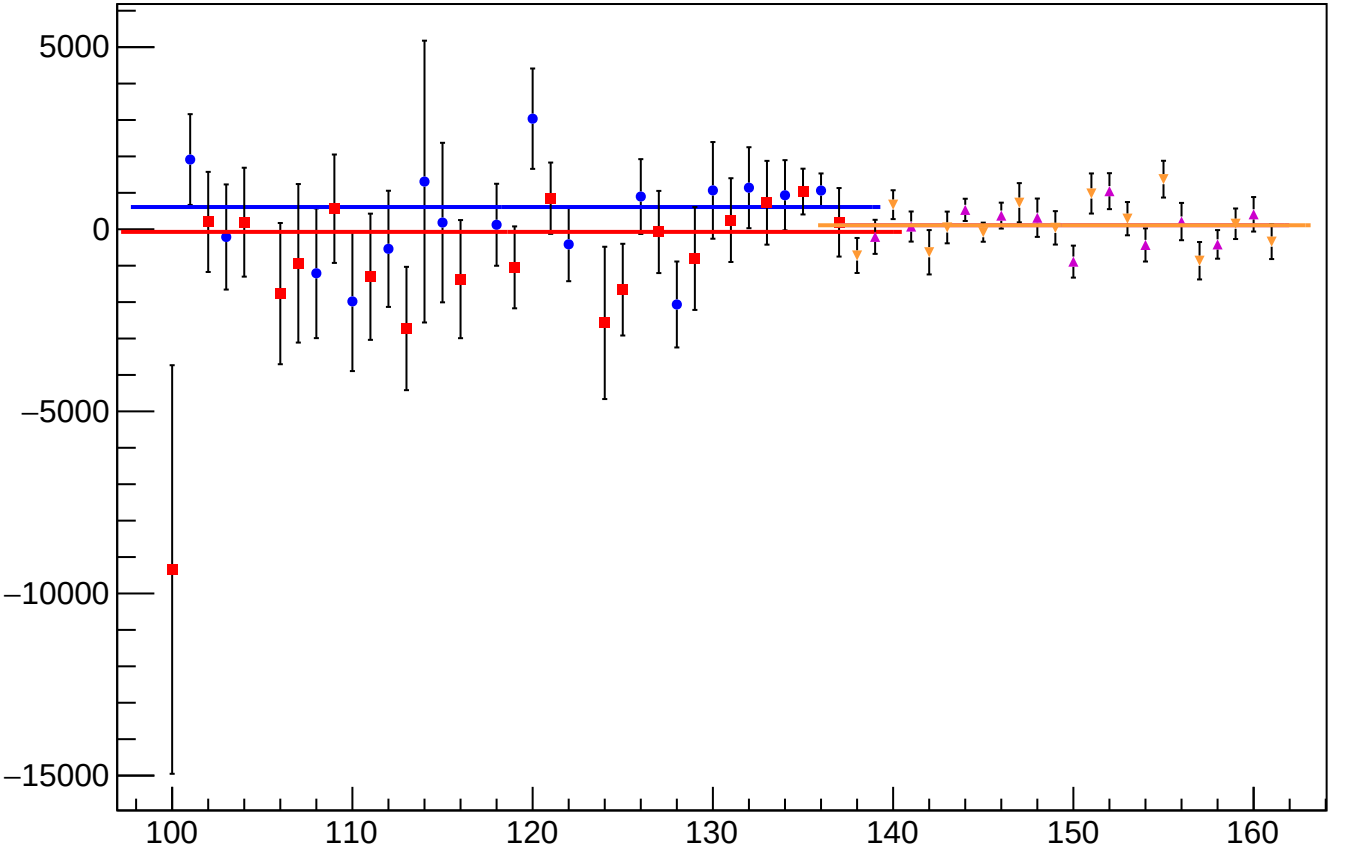
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.113+/-0.013 χ^2/NDF:1185286.1/26

Out: 71.251+/-0.012 χ^2/NDF:1416665.3/31

All: 71.184+/-0.009 χ^2/NDF: 2602013.7/58

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: 109.845+/-121.919 χ^2/NDF:21.8/12

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 111.591+/-127.484 χ^2/NDF:15.5/10

Left: 110.679+/-88.111 χ^2/NDF: 37.3/23

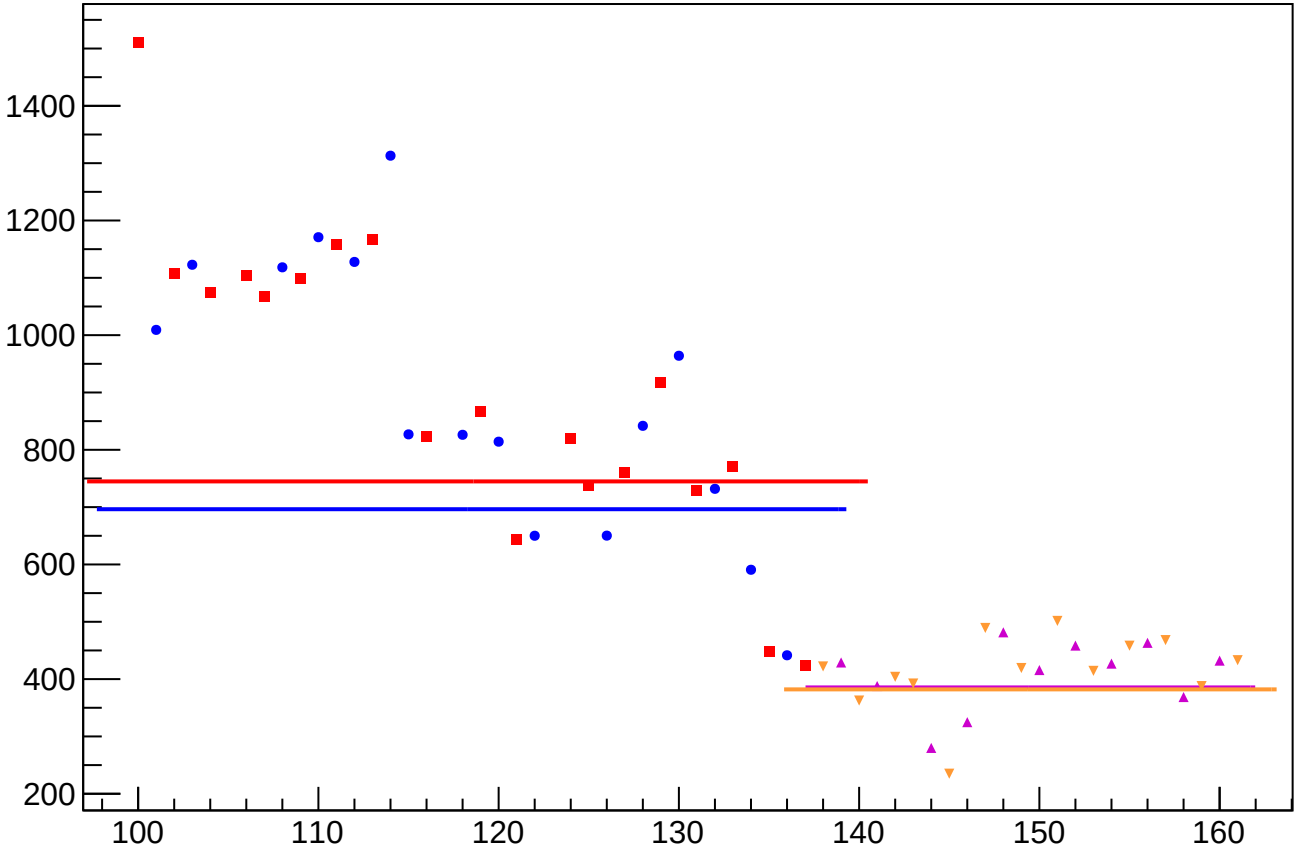
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 200.363+/-115.584 χ^2/NDF:34.0/26

Out: 81.970+/-112.203 χ^2/NDF:38.3/31

All: 139.410+/-80.509 χ^2/NDF: 72.9/58

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: 382.079+/-0.086 χ^2/NDF:972322.8/12

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 385.513+/-0.090 χ^2/NDF:520301.1/10

Left: 383.719+/-0.062 χ^2/NDF: 1493381.8/23

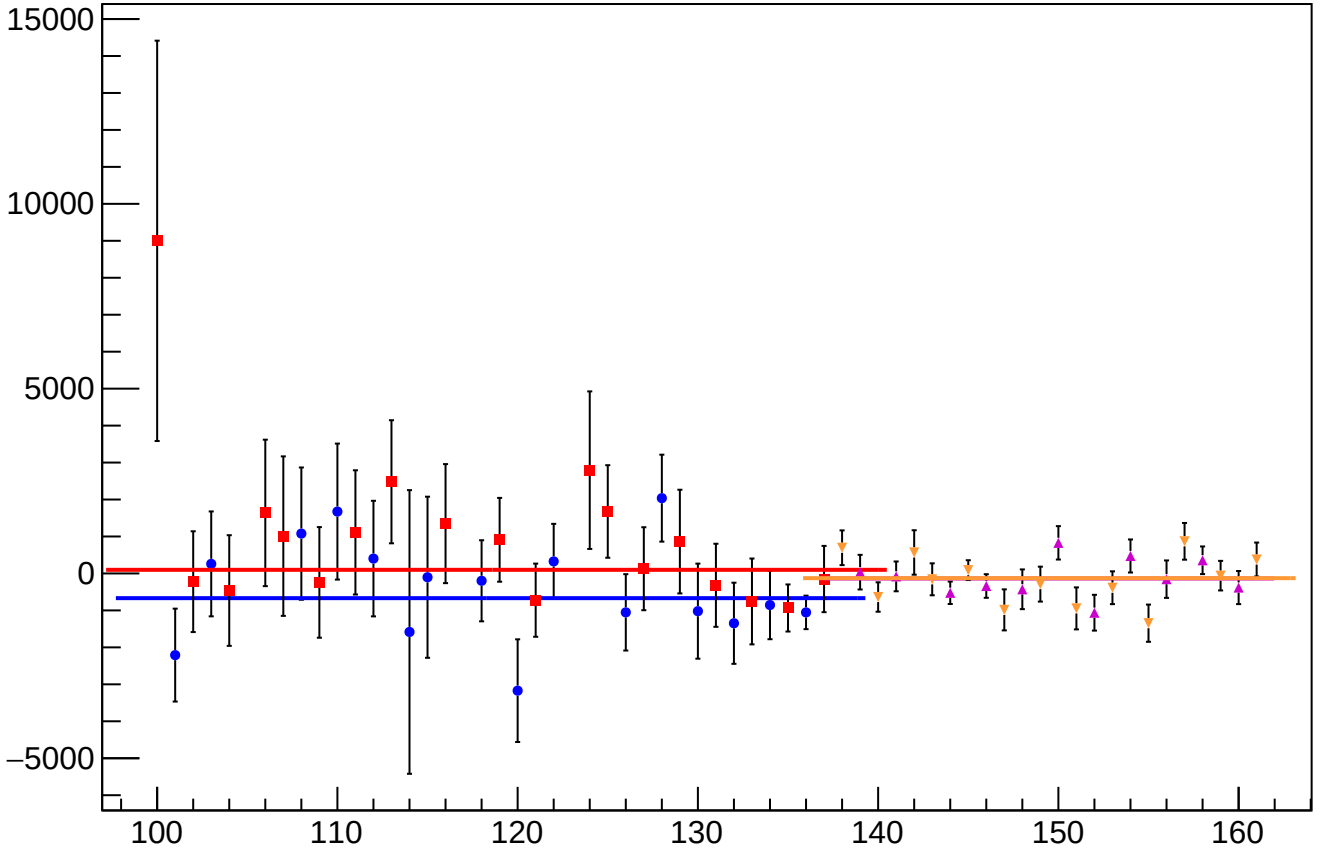
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 440.837+/-0.082 χ^2/NDF:4152153.1/26

Out: 437.596+/-0.079 χ^2/NDF:5180706.1/31

All: 439.168+/-0.057 χ^2/NDF: 9333669.0/58

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -127.883+/-121.480 χ^2/NDF:22.7/12

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -136.830+/-124.029 χ^2/NDF:14.6/10

Left: -132.264+/-86.786 χ^2/NDF: 37.3/23

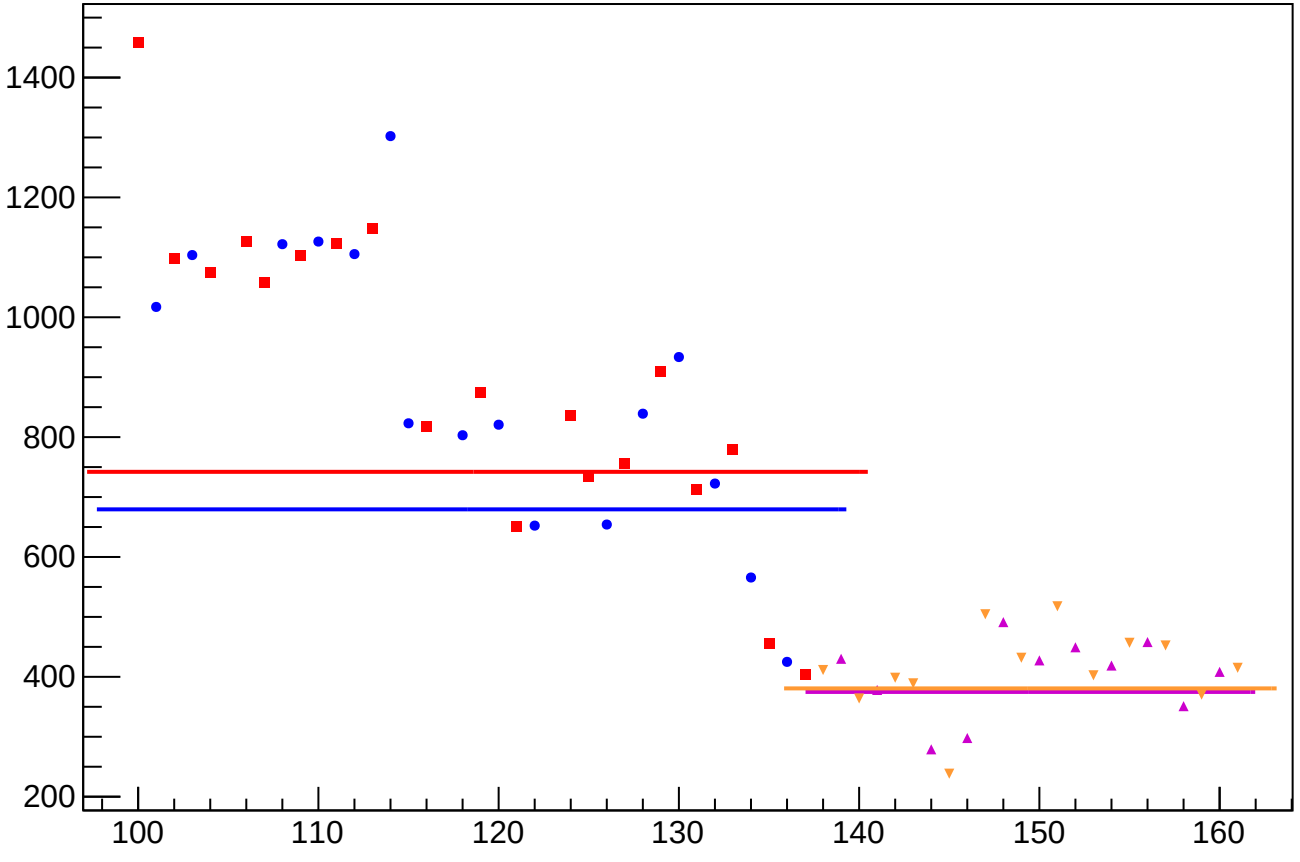
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -230.355+/-112.593 χ^2/NDF:33.9/26

Out: -93.334+/-111.805 χ^2/NDF:38.1/31

All: -161.364+/-79.335 χ^2/NDF: 72.8/58

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 380.711+/-0.086 χ^2/NDF:922360.9/12

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 374.814+/-0.088 χ^2/NDF:604058.3/10

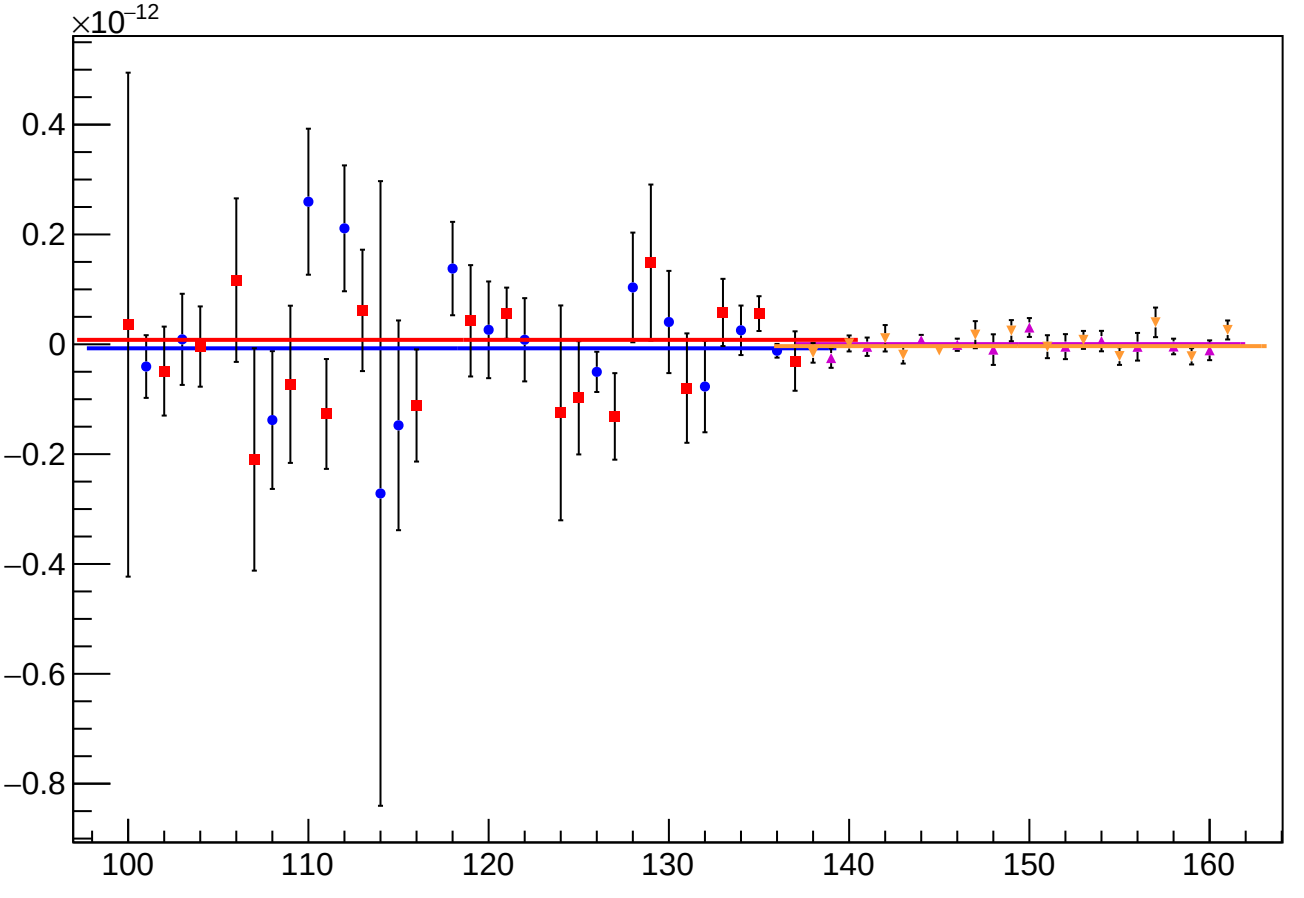
Left: 377.824+/-0.061 χ^2/NDF: 1528726.2/23

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 428.406+/-0.080 χ^2/NDF:4327665.9/26

Out: 435.982+/-0.079 χ^2/NDF:5133642.2/31

All: 432.221+/-0.056 χ^2/NDF: 9465868.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

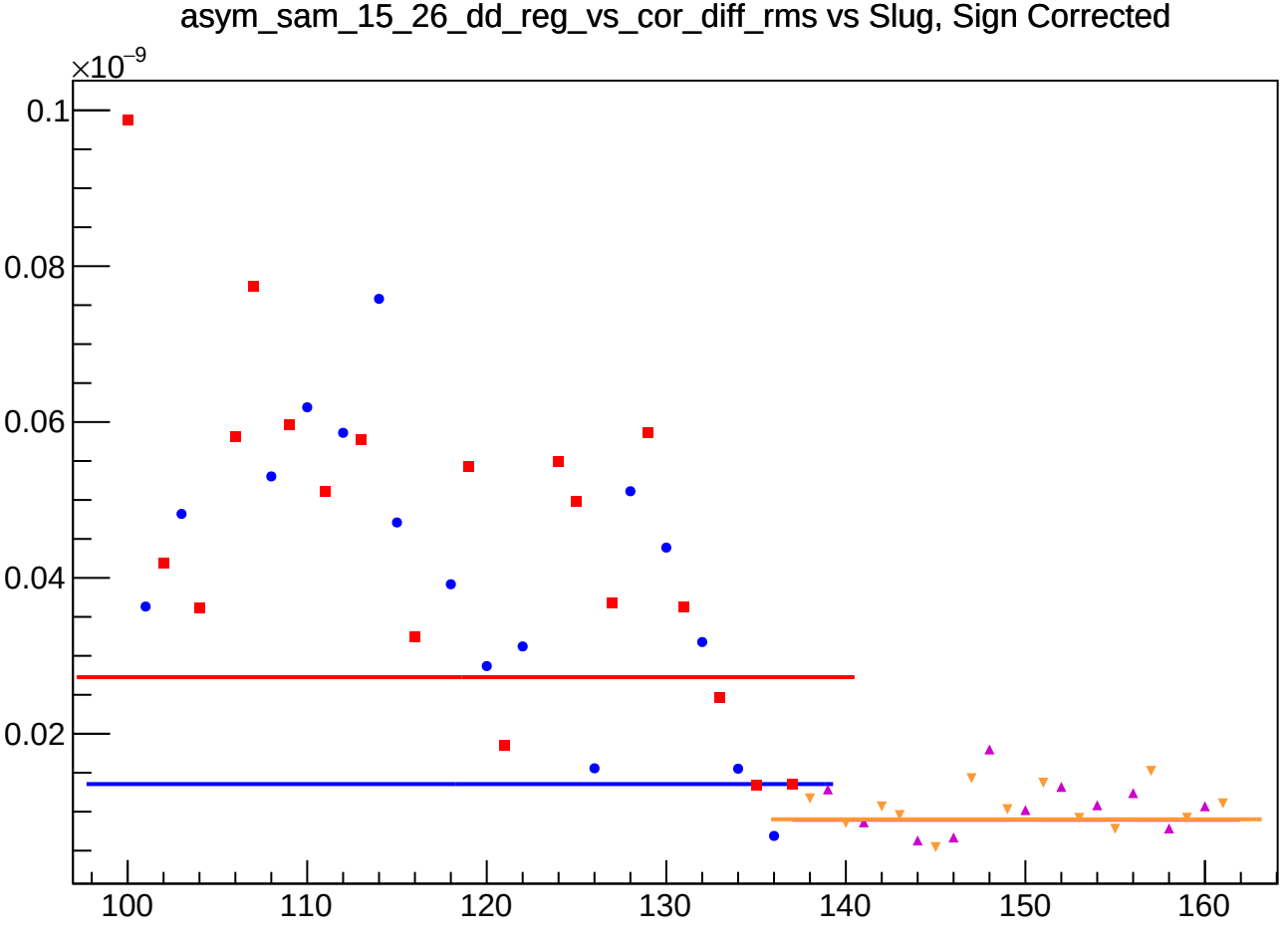
Left: -0.000+/-0.000 χ^2/NDF: 21.2/23

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:24.1/26

Out: -0.000+/-0.000 χ^2/NDF:31.8/31

All: -0.000+/-0.000 χ^2/NDF: 56.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:736424.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:700739.3/10

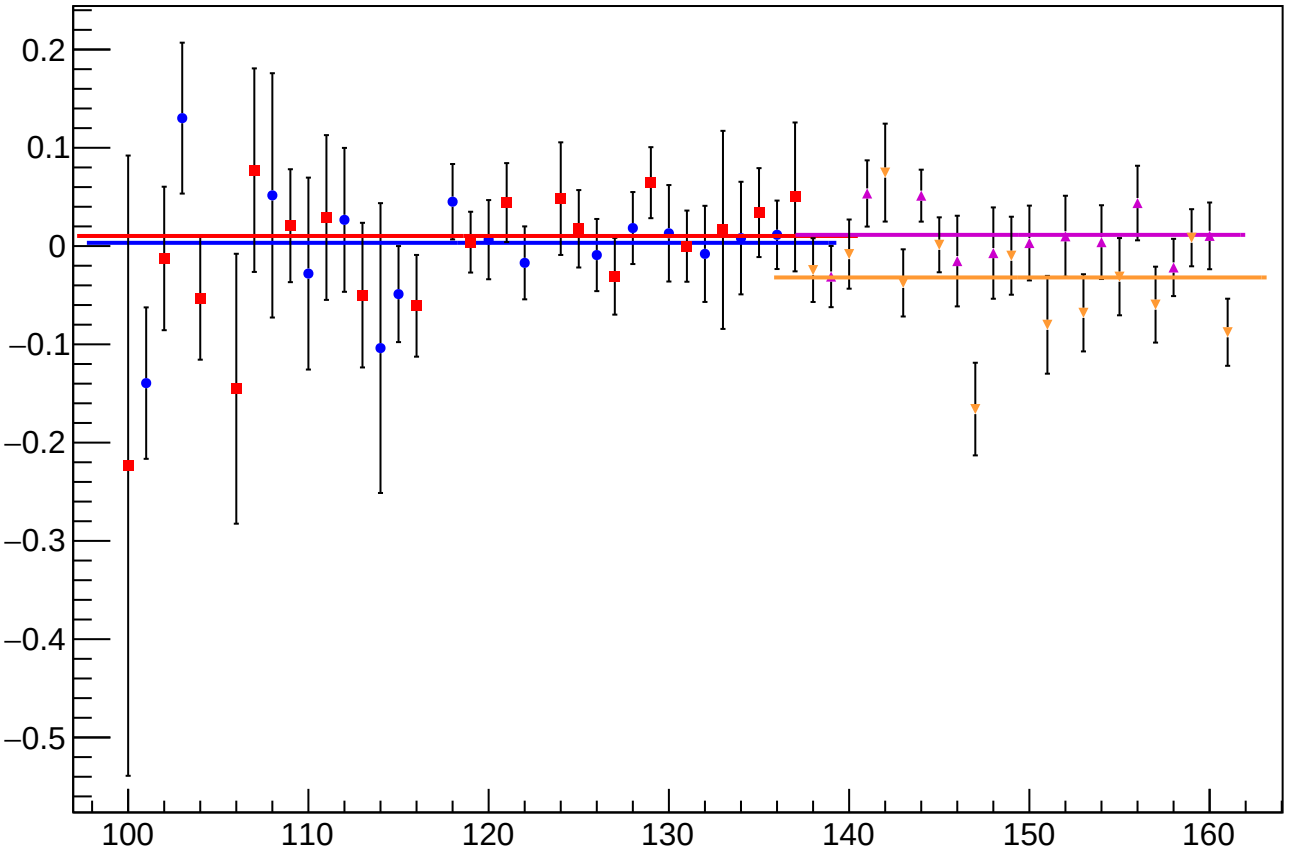
Left: 0.000+/-0.000 χ^2/NDF: 1437287.2/23

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4063113.1/26

Out: 0.000+/-0.000 χ^2/NDF:4552364.6/31

All: 0.000+/-0.000 χ^2/NDF: 8624327.7/58



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.010 χ^2/NDF:21.8/12

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.011+/-0.011 χ^2/NDF:8.3/10

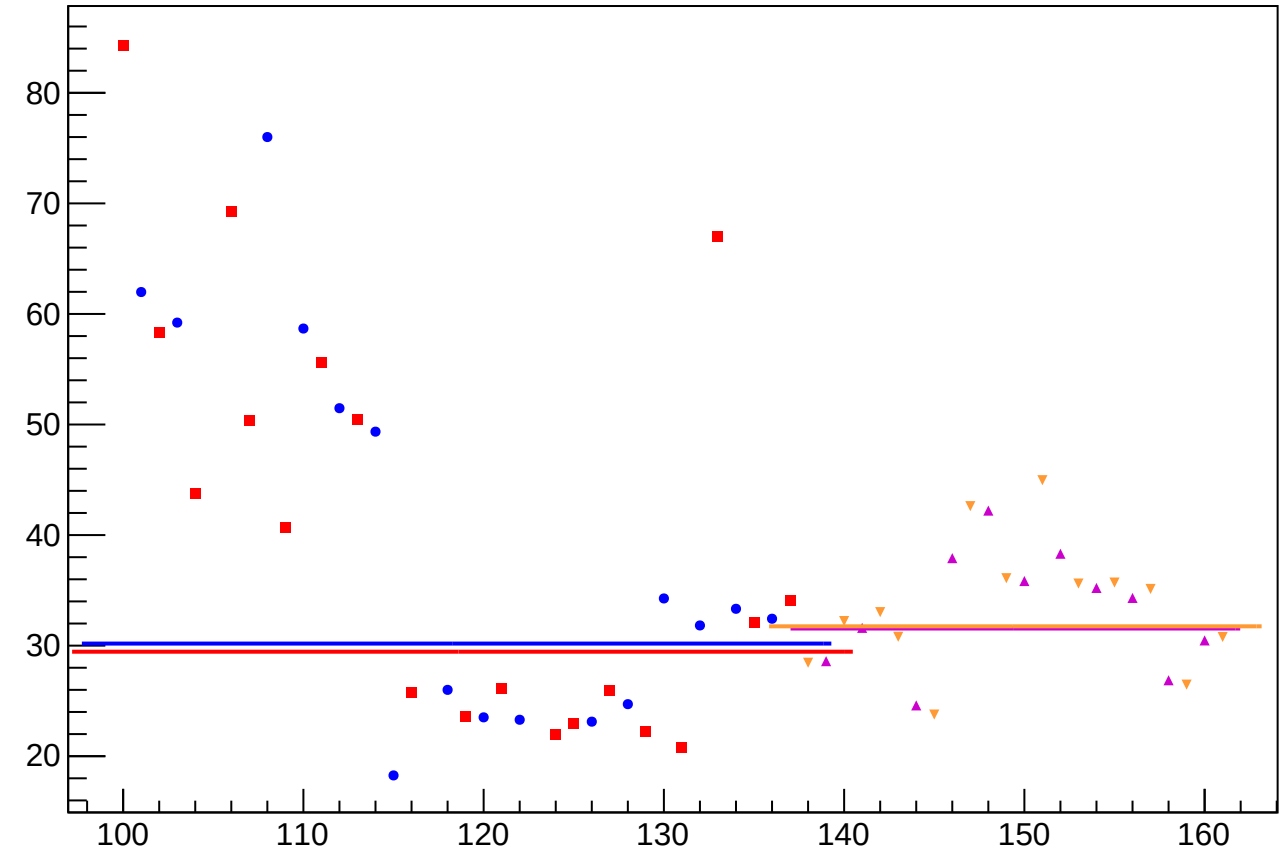
Left: -0.011+/-0.007 χ^2/NDF: 38.9/23

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.014+/-0.008 χ^2/NDF:40.4/31

All: -0.004+/-0.006 χ^2/NDF: 63.1/58



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.747+/-0.007 χ^2/NDF:580931.1/12

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

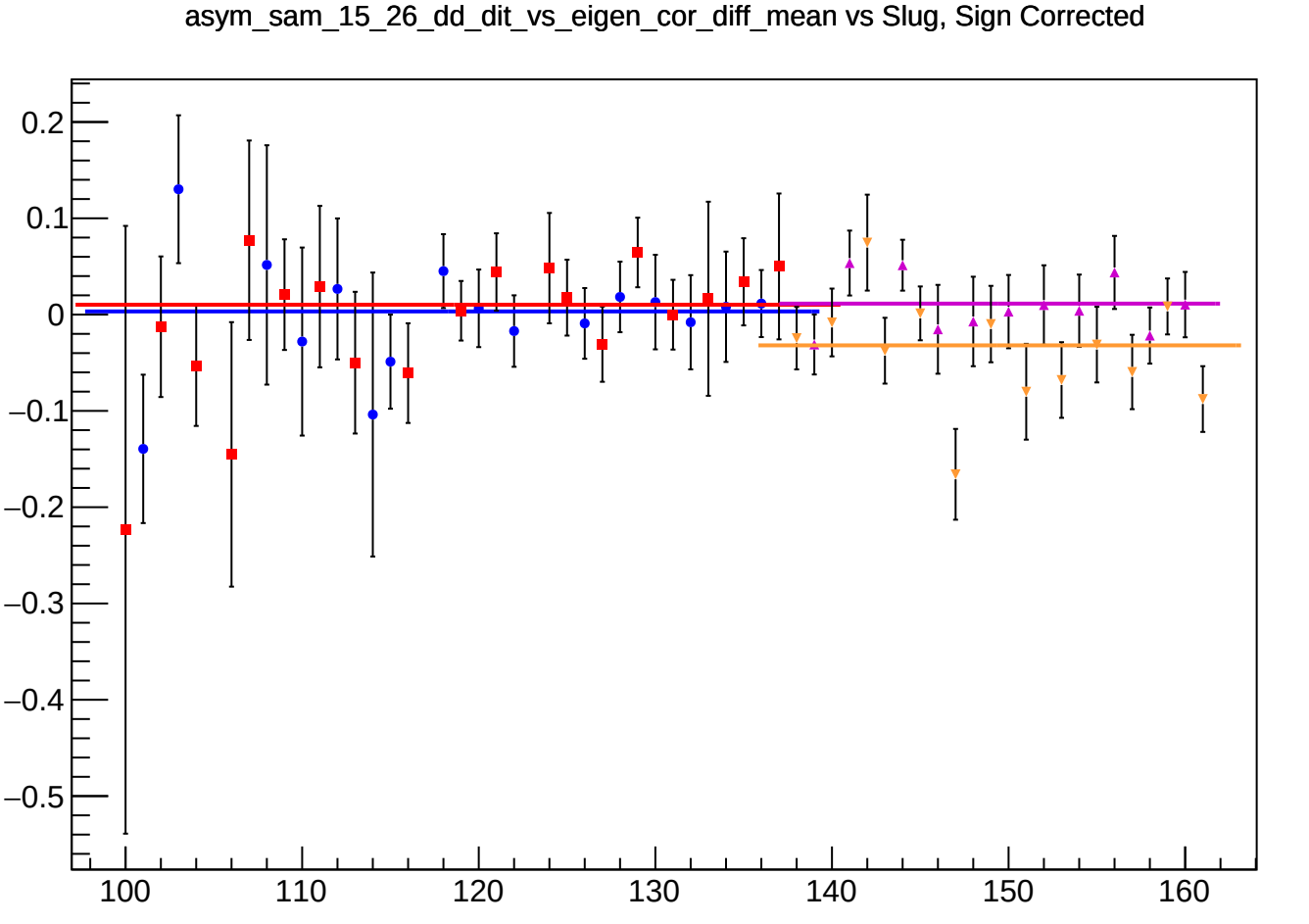
Left: 31.652+/-0.005 χ^2/NDF: 1043708.7/23

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.971+/-0.006 χ^2/NDF:2163948.6/26

Out: 30.777+/-0.005 χ^2/NDF:2473168.8/31

All: 30.870+/-0.004 χ^2/NDF: 4637728.7/58



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.010 χ^2/NDF:21.8/12

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.011+/-0.011 χ^2/NDF:8.3/10

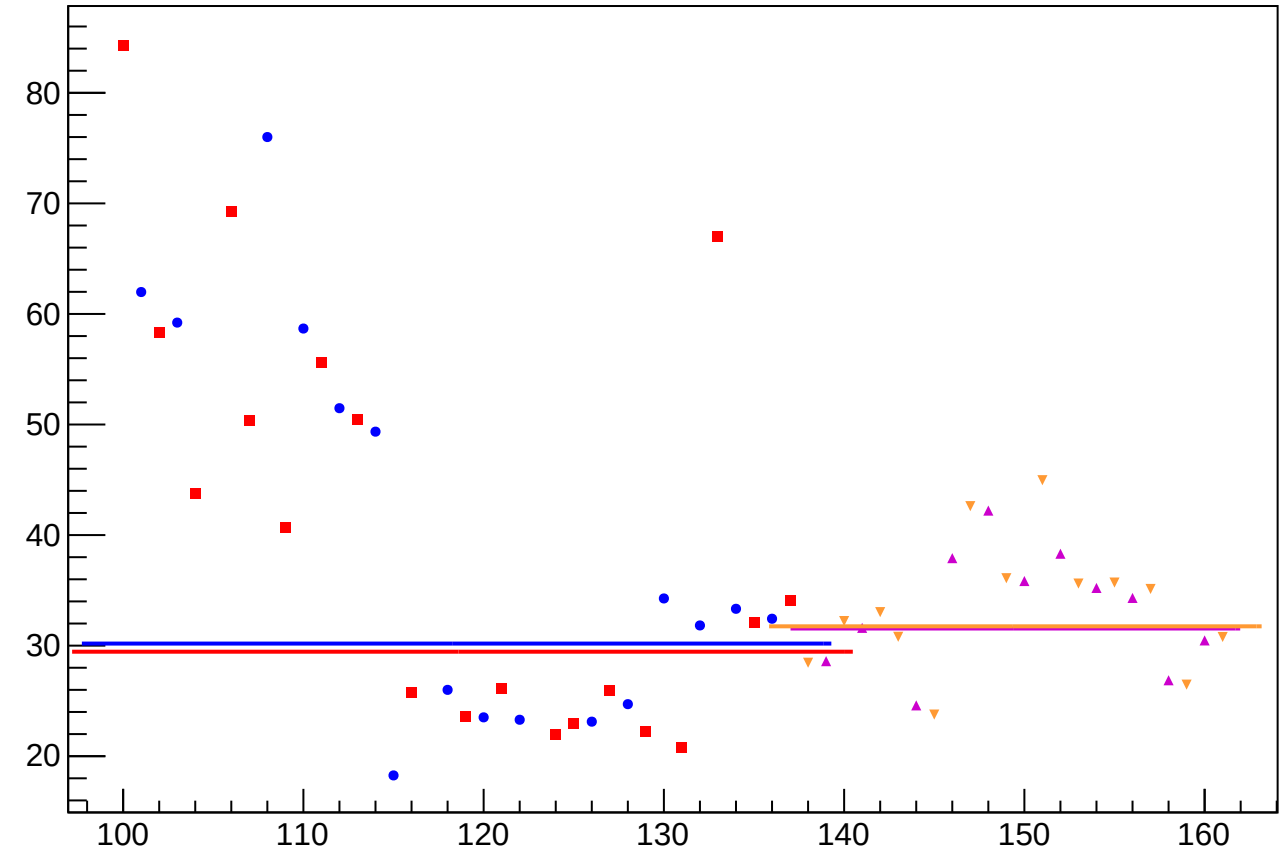
Left: -0.011+/-0.007 χ^2/NDF: 38.9/23

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.014+/-0.008 χ^2/NDF:40.4/31

All: -0.004+/-0.006 χ^2/NDF: 63.1/58



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.747+/-0.007 χ^2/NDF:580931.1/12

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

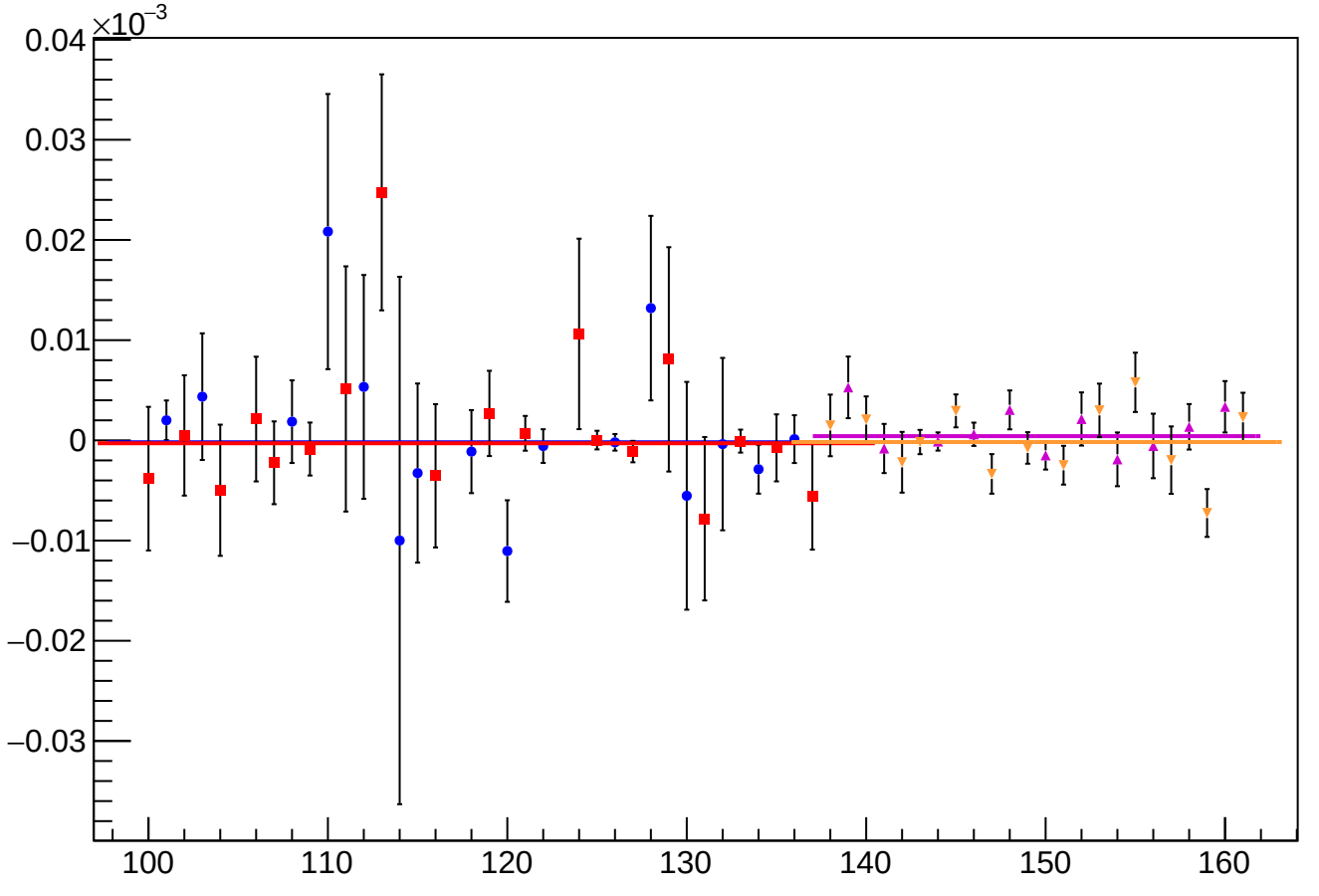
Left: 31.652+/-0.005 χ^2/NDF: 1043708.7/23

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.971+/-0.006 χ^2/NDF:2163948.6/26

Out: 30.777+/-0.005 χ^2/NDF:2473168.8/31

All: 30.870+/-0.004 χ^2/NDF: 4637728.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

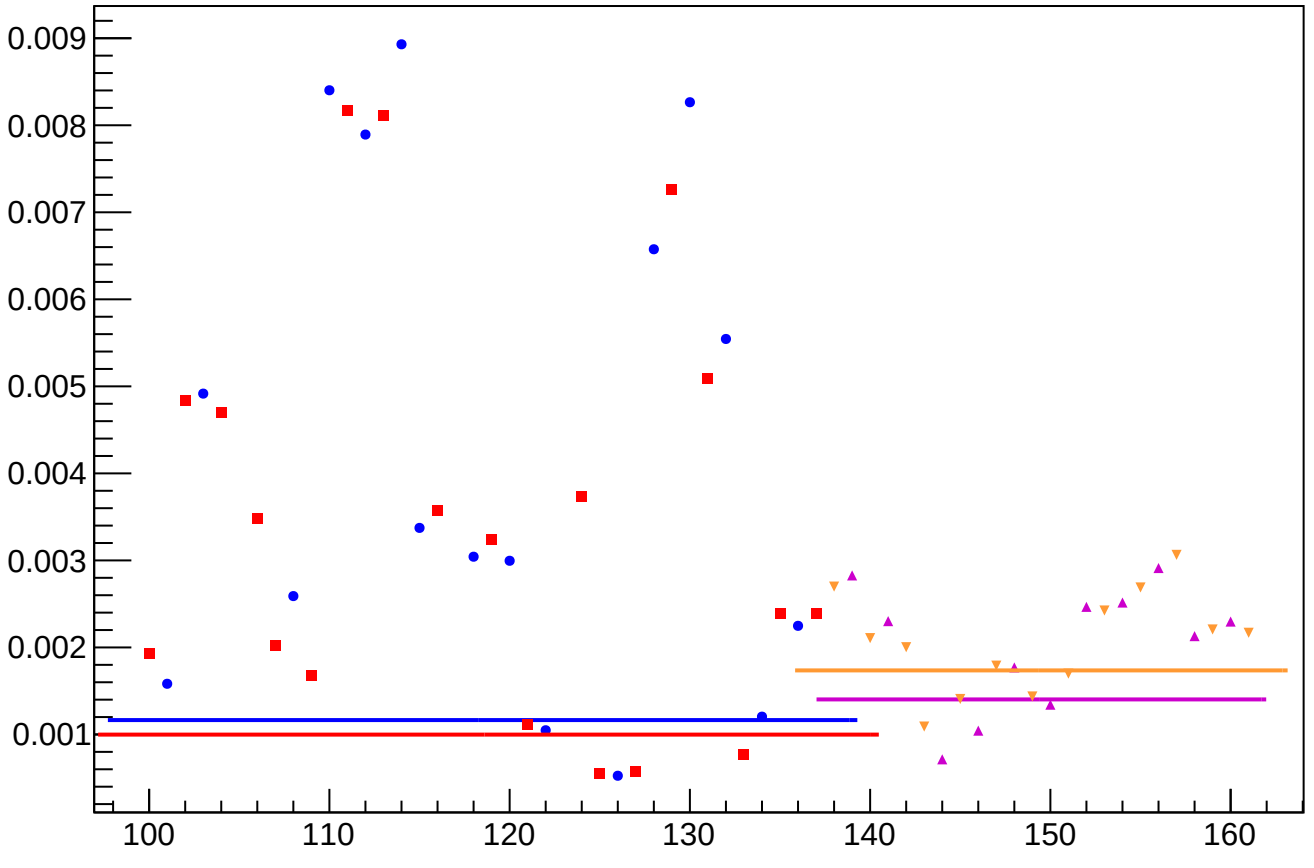
Left: 0.000+/-0.000 χ^2/NDF: 35.1/23

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:23.2/26

Out: -0.000+/-0.000 χ^2/NDF:36.4/31

All: -0.000+/-0.000 χ^2/NDF: 60.1/58



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1776951.4/12

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3660562.6/10

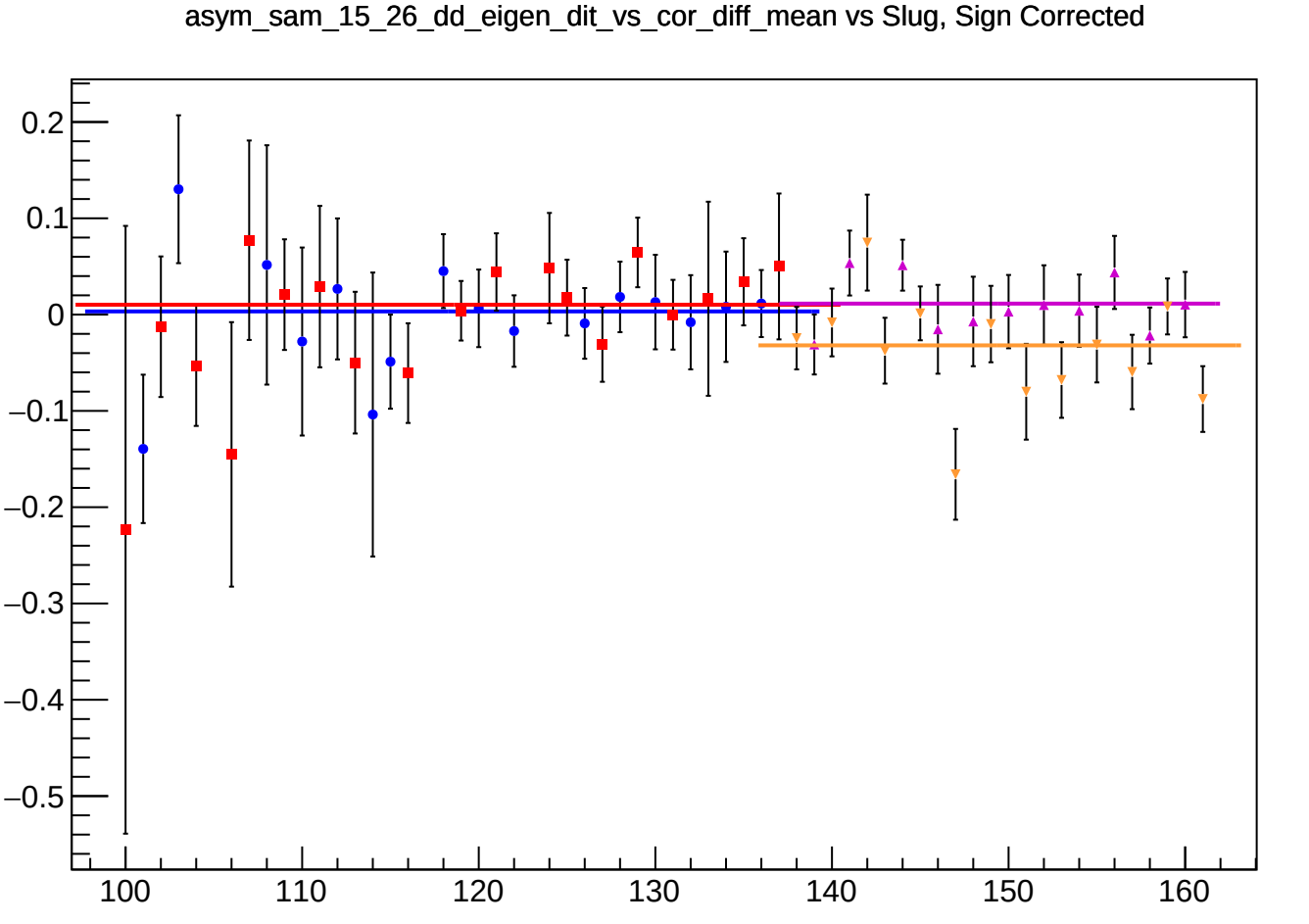
Left: 0.002+/-0.000 χ^2/NDF: 5810601.7/23

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:10716318.9/26

Out: 0.001+/-0.000 χ^2/NDF:10531914.6/31

All: 0.001+/-0.000 χ^2/NDF: 21254413.9/58



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.010 χ^2/NDF:21.8/12

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.011+/-0.011 χ^2/NDF:8.3/10

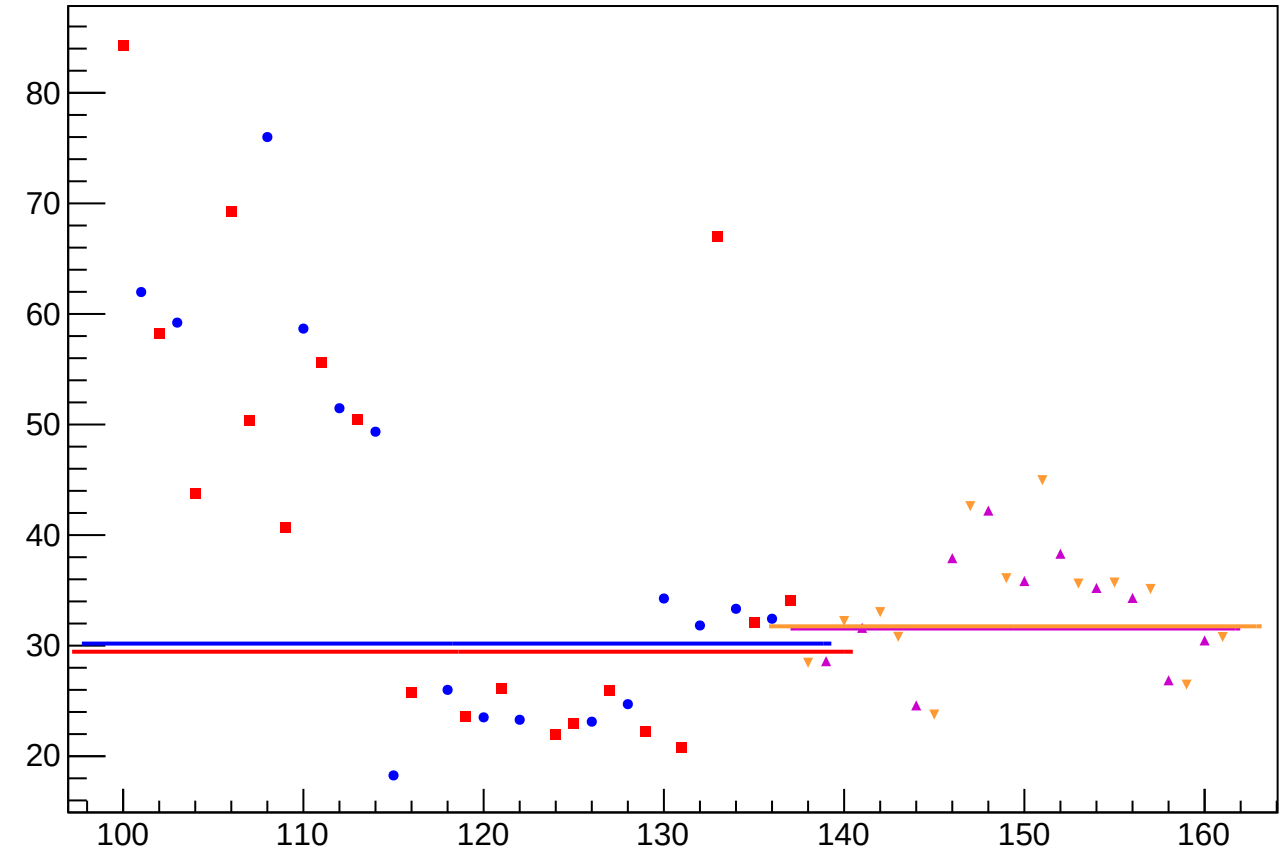
Left: -0.011+/-0.007 χ^2/NDF: 38.9/23

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.008+/-0.008 χ^2/NDF:18.7/26

Out: -0.014+/-0.008 χ^2/NDF:40.4/31

All: -0.004+/-0.006 χ^2/NDF: 63.1/58



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.747+/-0.007 χ^2/NDF:580904.7/12

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.549+/-0.007 χ^2/NDF:462400.9/10

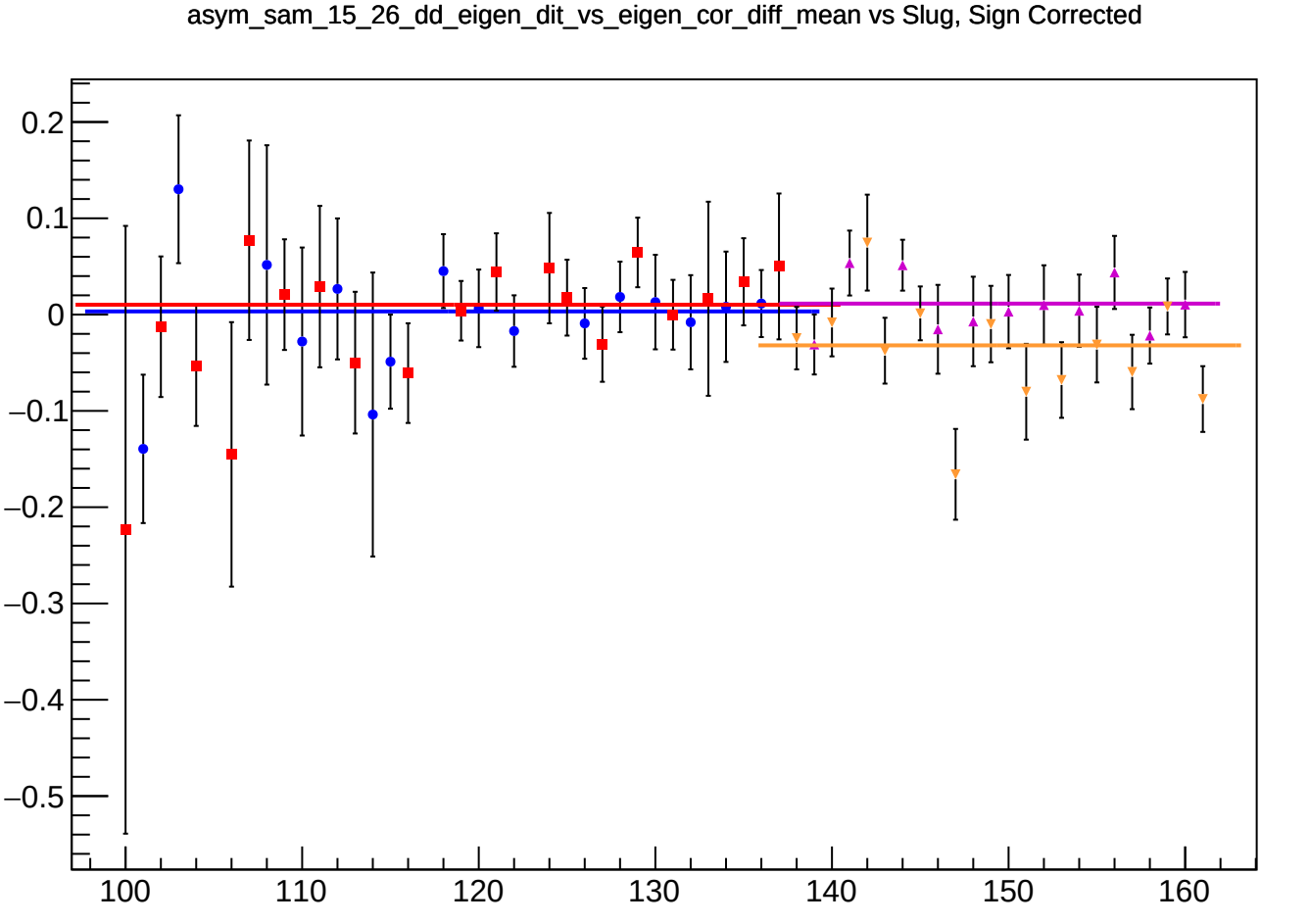
Left: 31.652+/-0.005 χ^2/NDF: 1043674.3/23

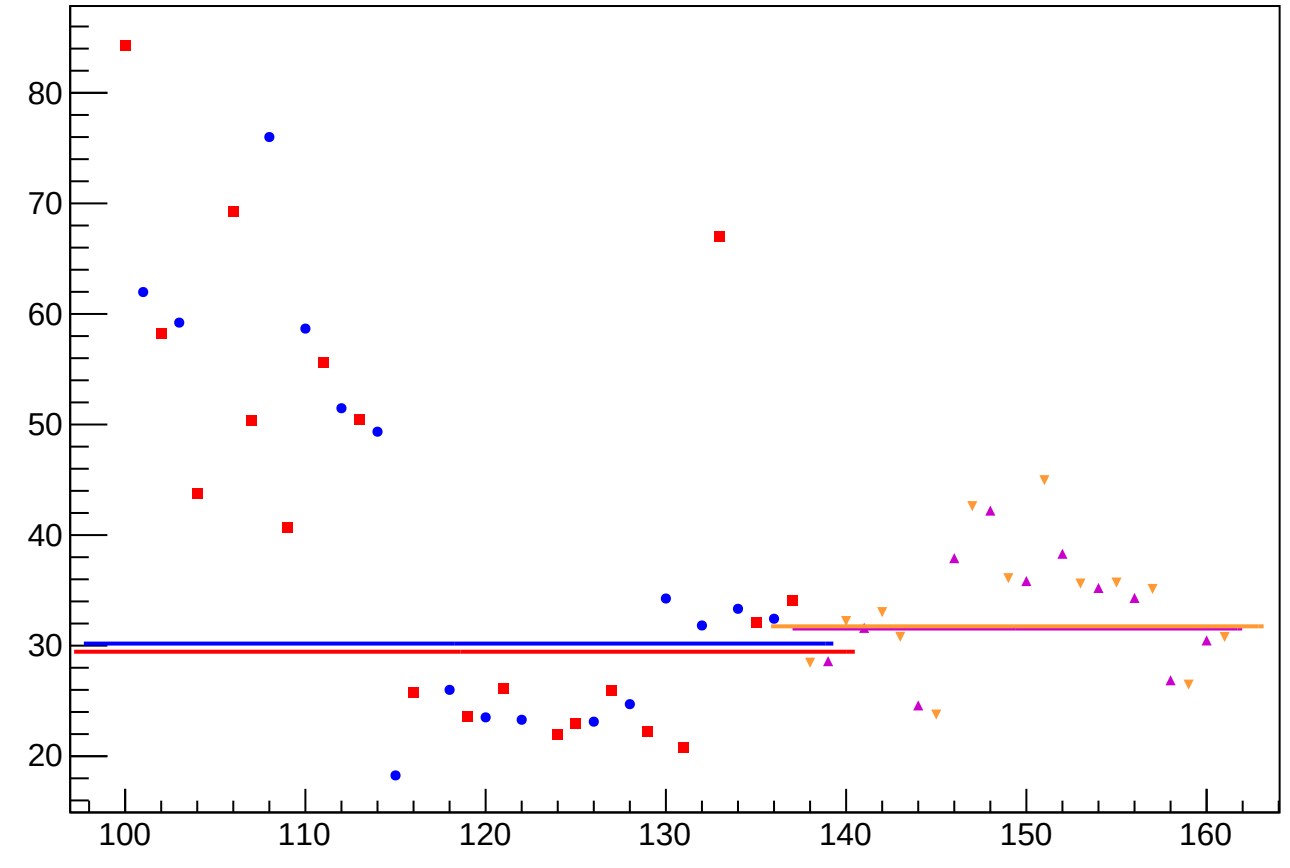
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.971+/-0.006 χ^2/NDF:2163760.0/26

Out: 30.777+/-0.005 χ^2/NDF:2473170.9/31

All: 30.870+/-0.004 χ^2/NDF: 4637543.9/58


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.010 χ²/NDF:21.8/12
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.011+/-0.011 χ²/NDF:8.3/10
Left: -0.011+/-0.007 χ²/NDF: 38.9/23
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.008+/-0.008 χ²/NDF:18.7/26
Out: -0.014+/-0.008 χ²/NDF:40.4/31
All: -0.004+/-0.006 χ²/NDF: 63.1/58



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.747+/-0.007 χ^2/NDF:580904.7/12

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.549+/-0.007 χ^2/NDF:462400.9/10

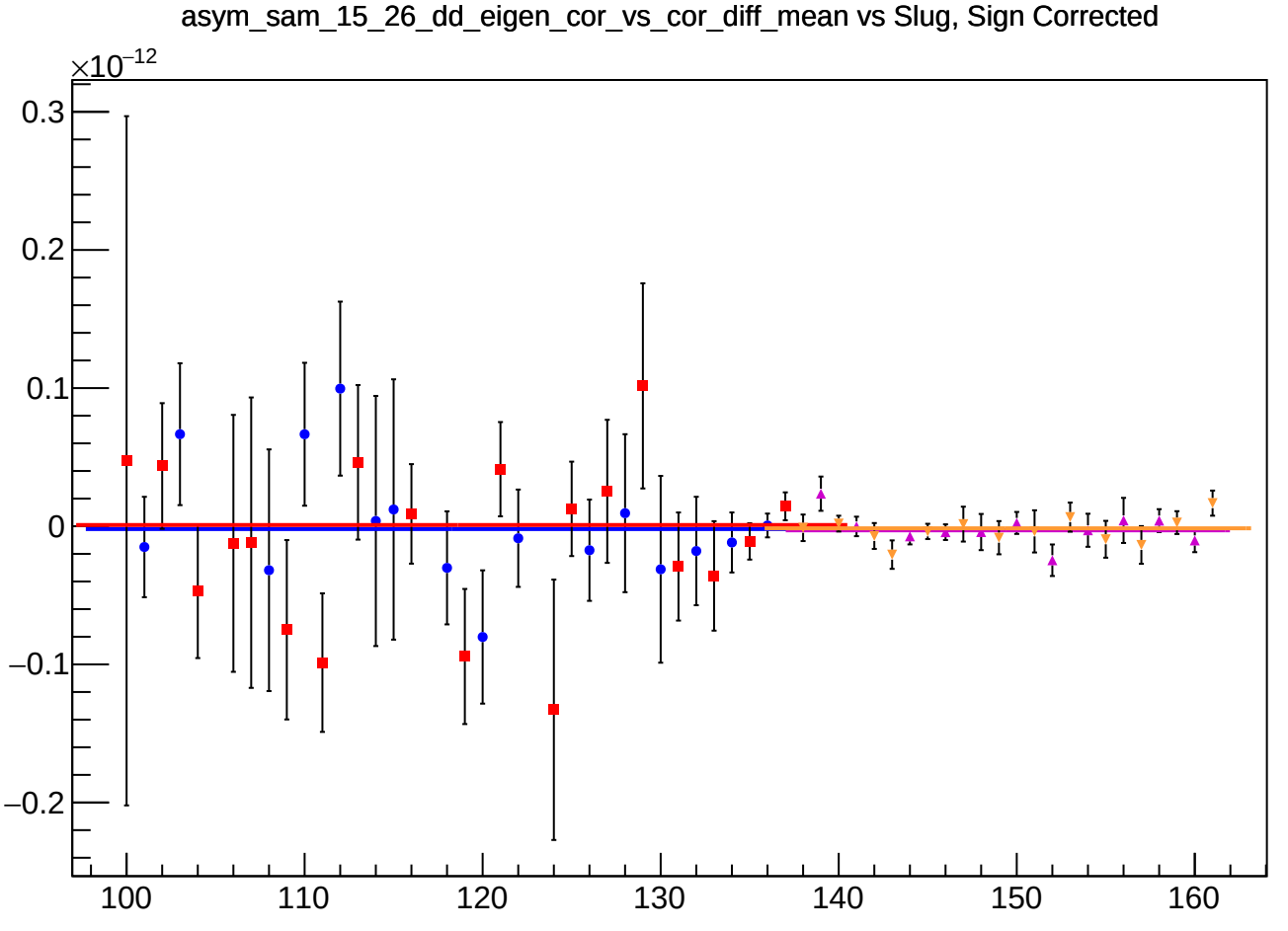
Left: 31.652+/-0.005 χ^2/NDF: 1043674.3/23

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.971+/-0.006 χ^2/NDF:2163760.0/26

Out: 30.777+/-0.005 χ^2/NDF:2473170.9/31

All: 30.870+/-0.004 χ^2/NDF: 4637543.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/10

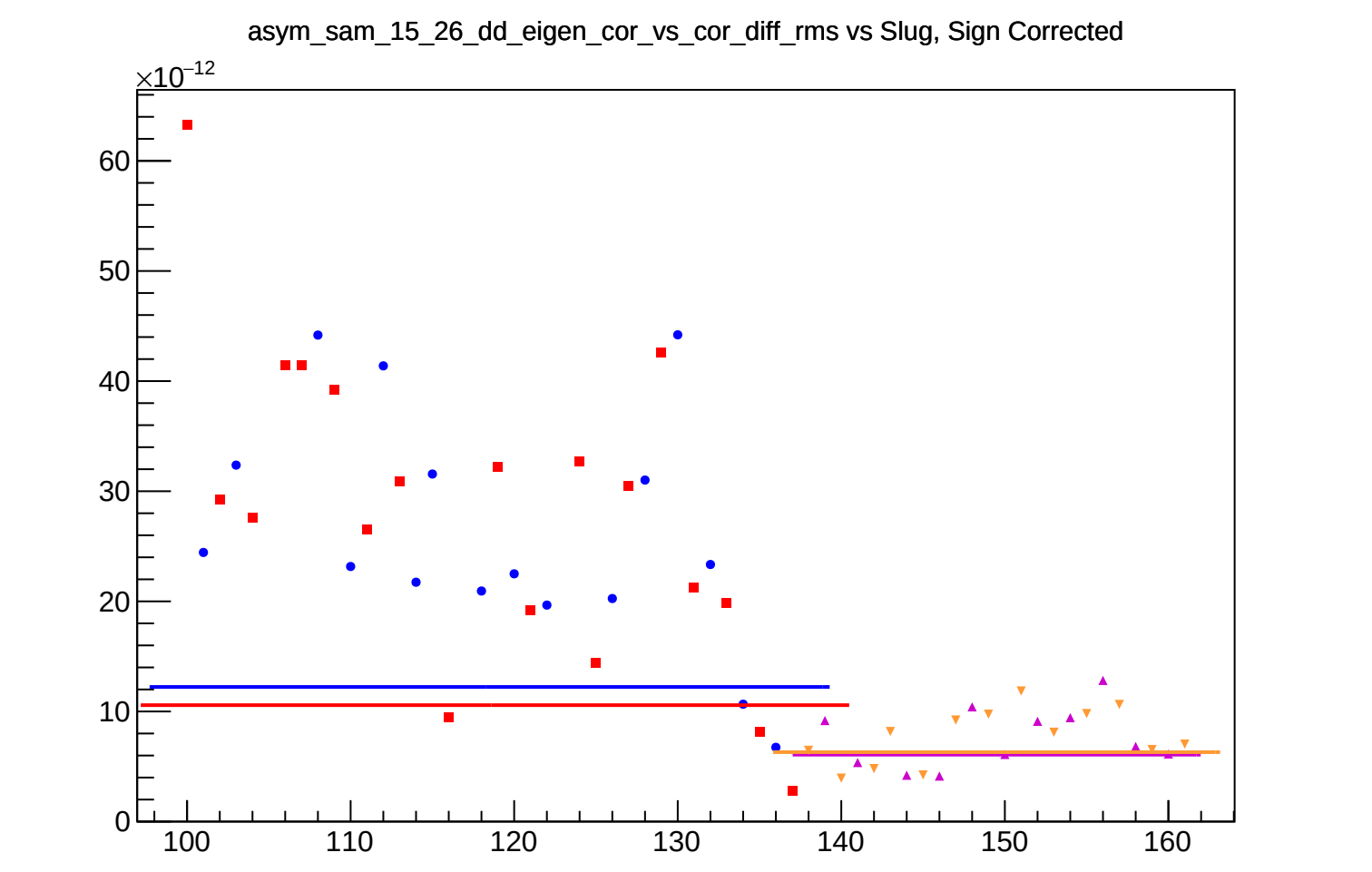
Left: -0.000+/-0.000 χ^2/NDF: 21.9/23

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:21.5/26

Out: -0.000+/-0.000 χ^2/NDF:32.2/31

All: -0.000+/-0.000 χ^2/NDF: 53.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1689612.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1461626.5/10

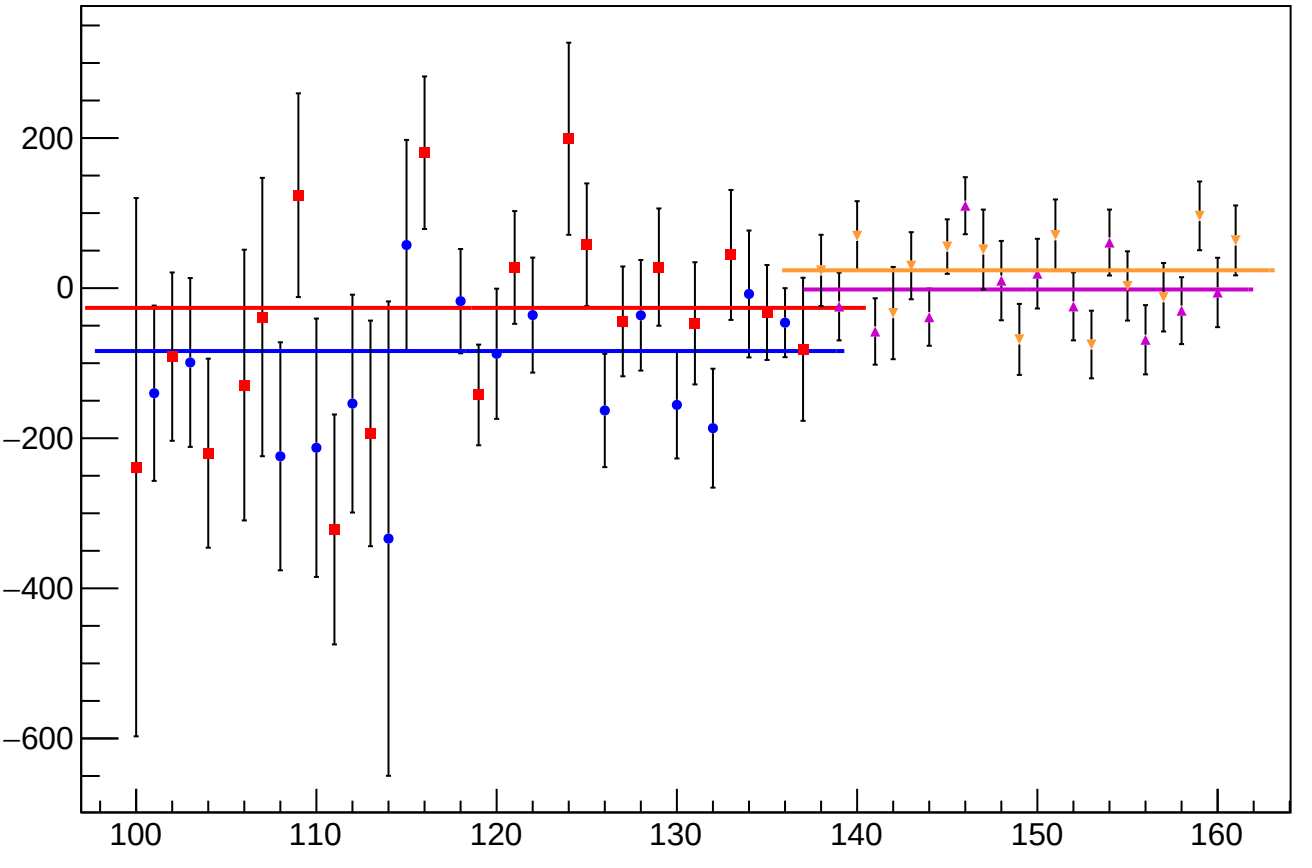
Left: 0.000+/-0.000 χ^2/NDF: 3159314.9/23

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6327690.5/26

Out: 0.000+/-0.000 χ^2/NDF:7179264.3/31

All: 0.000+/-0.000 χ^2/NDF: 13506967.3/58



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.765+/-12.850 χ^2/NDF:16.5/12

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -1.766+/-13.303 χ^2/NDF:16.5/10

Left: 11.441+/-9.242 χ^2/NDF: 34.9/23

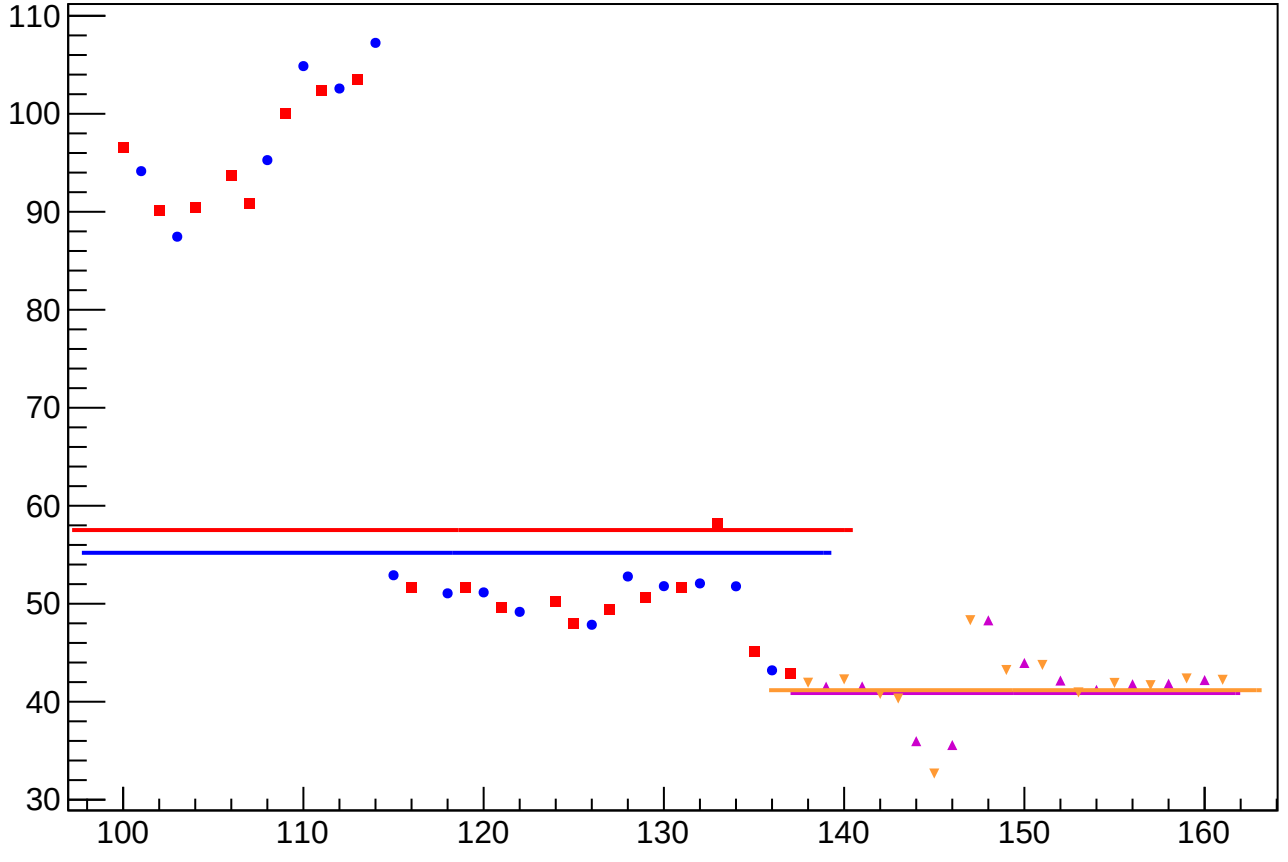
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -24.579+/-11.303 χ^2/NDF:37.6/26

Out: 11.086+/-11.105 χ^2/NDF:43.3/31

All: -6.431+/-7.921 χ^2/NDF: 86.0/58

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: 41.177+/-0.009 χ^2/NDF:161066.1/12

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

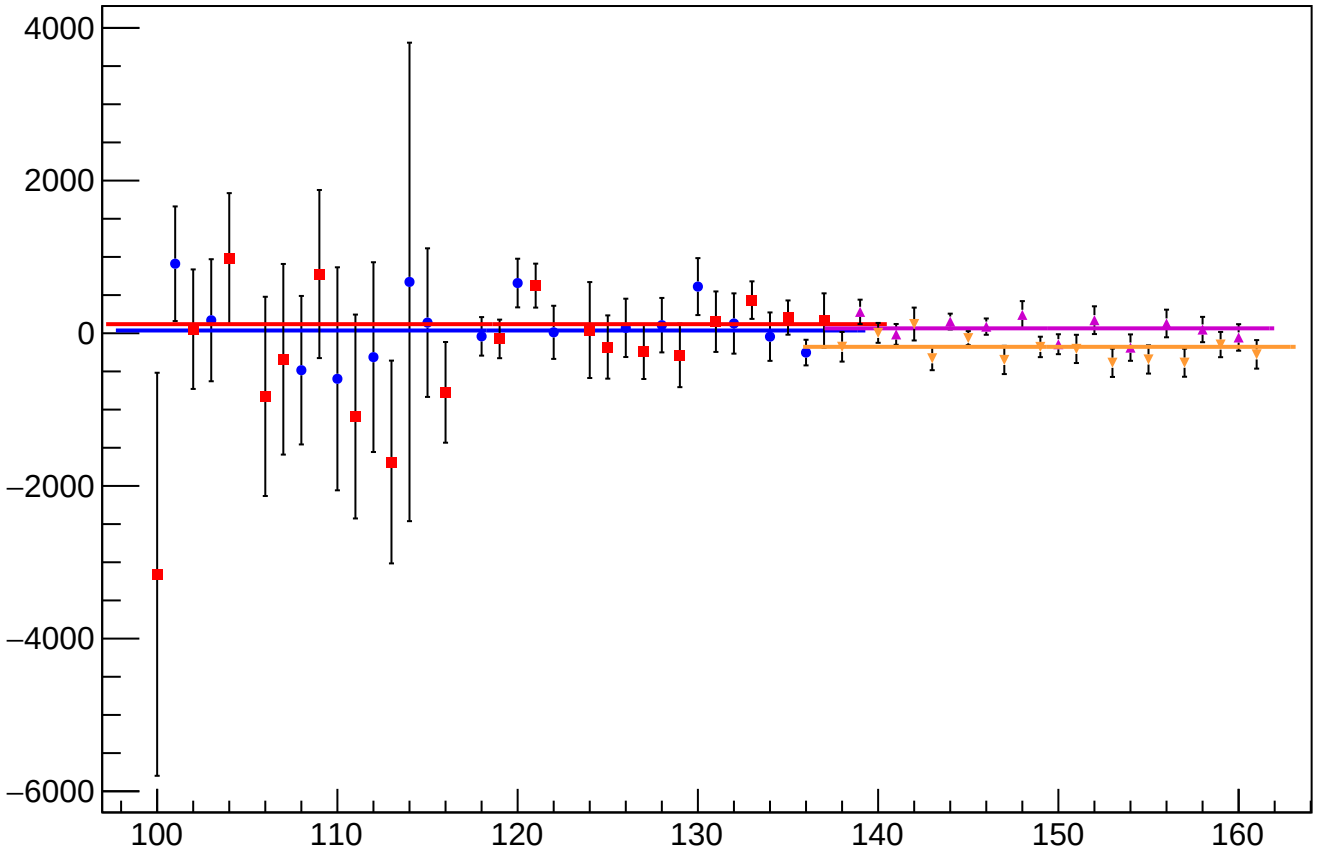
Left: 41.037+/-0.007 χ^2/NDF: 287755.1/23

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.867+/-0.008 χ^2/NDF:1922316.7/26

Out: 45.315+/-0.008 χ^2/NDF:2262024.9/31

All: 45.095+/-0.006 χ^2/NDF: 4185941.9/58



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.834+/-43.251 χ^2/NDF:10.9/12

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 64.348+/-43.551 χ^2/NDF:9.5/10

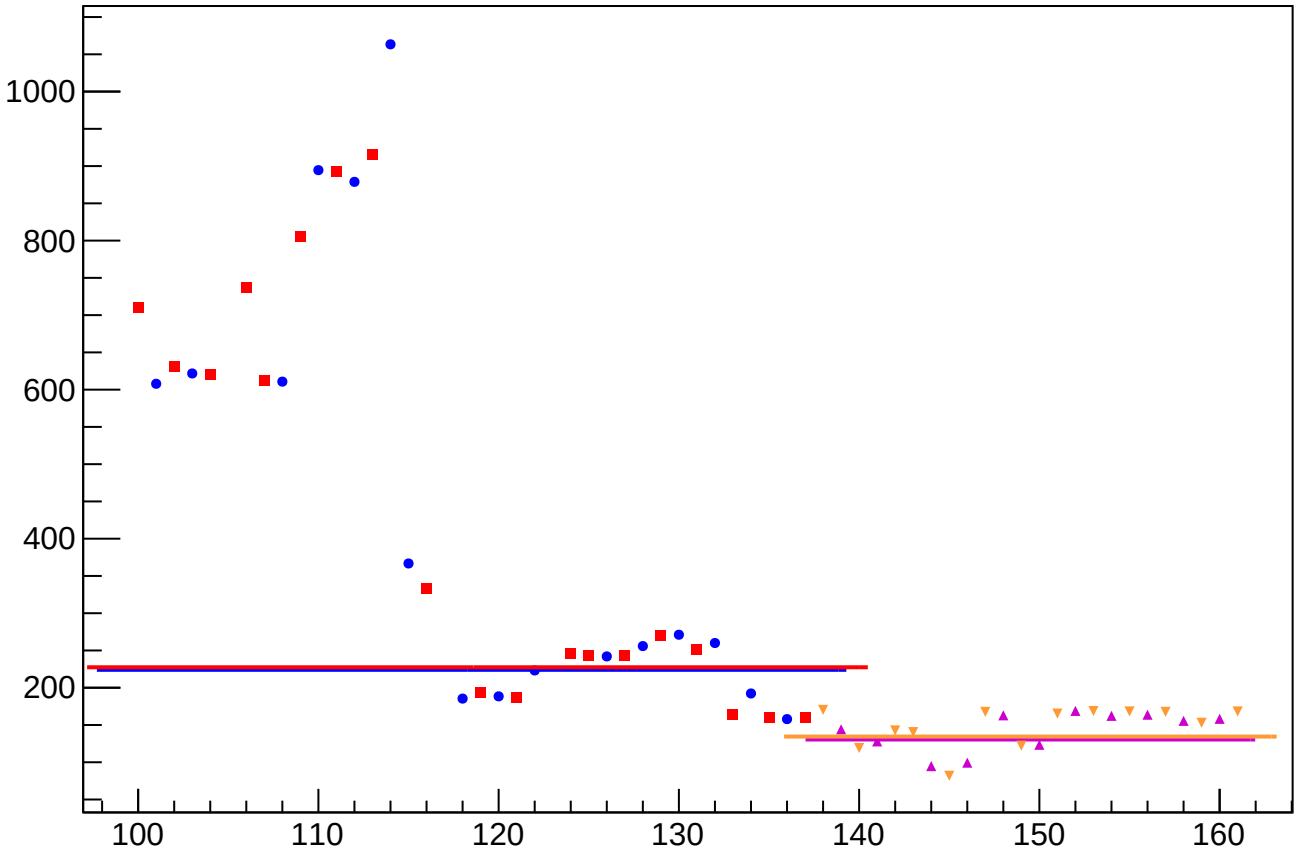
Left: -57.581+/-30.689 χ^2/NDF: 36.0/23

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -127.576+/-39.422 χ^2/NDF:34.9/31

All: -34.255+/-27.897 χ^2/NDF: 67.1/58



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186635.2/12

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 130.533+/-0.031 χ^2/NDF:813984.4/10

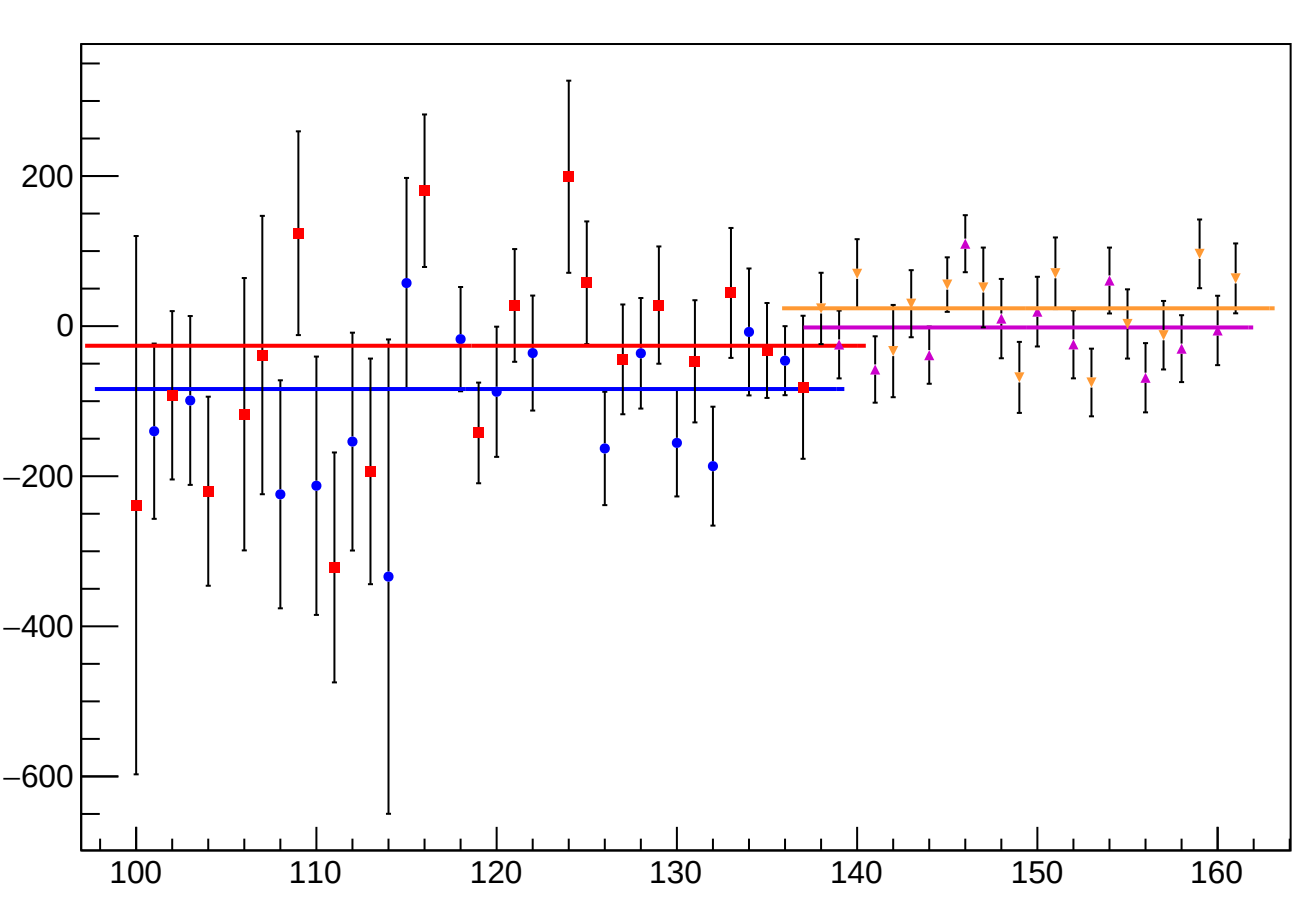
Left: 132.499+/-0.022 χ^2/NDF: 2008711.2/23

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 147.186+/-0.028 χ^2/NDF:5423957.4/26

Out: 150.177+/-0.028 χ^2/NDF:6392485.5/31

All: 148.684+/-0.020 χ^2/NDF: 11822191.5/58



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.763+/-12.850 χ^2/NDF:16.5/12

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.765+/-13.303 χ^2/NDF:16.5/10

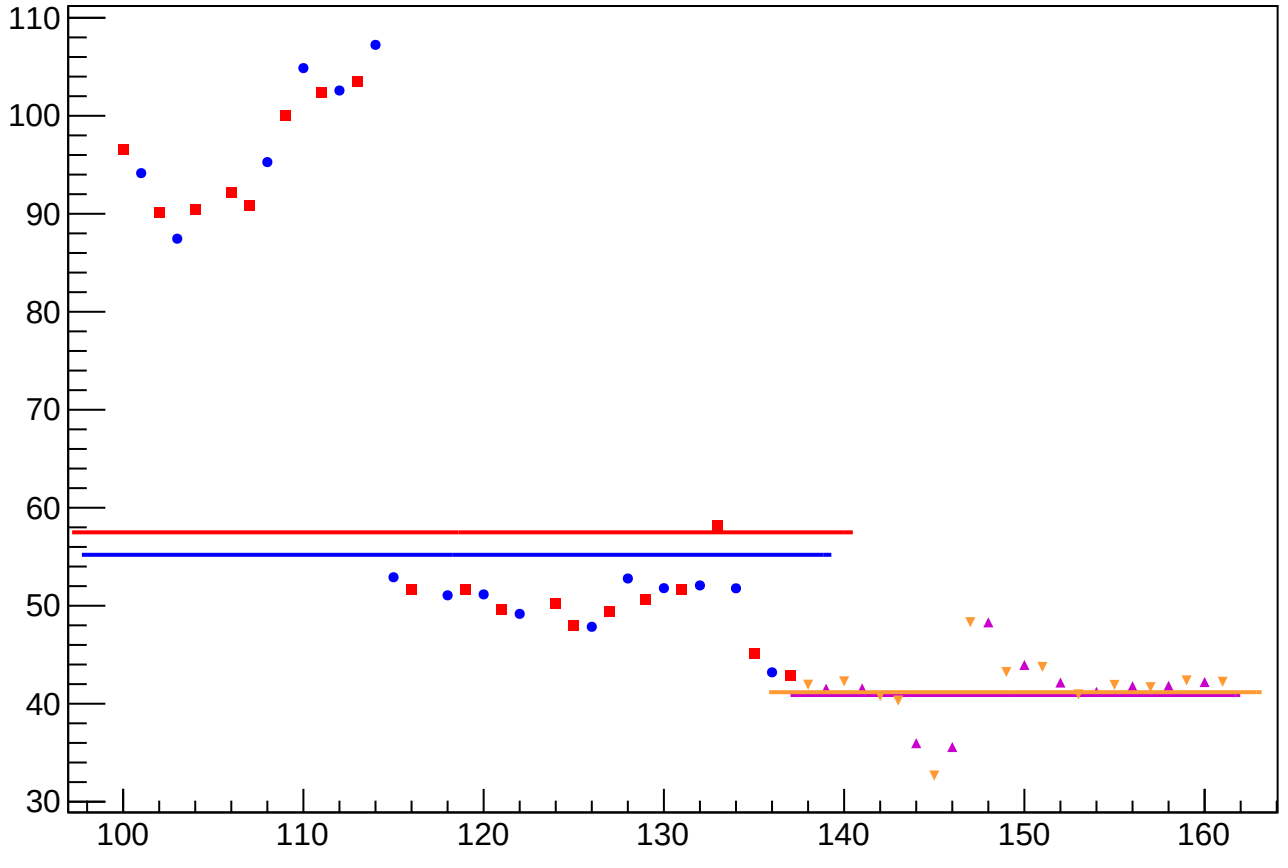
Left: 11.440+/-9.242 χ^2/NDF: 34.9/23

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -24.577+/-11.303 χ^2/NDF:37.6/26

Out: 11.127+/-11.105 χ^2/NDF:43.3/31

All: -6.410+/-7.921 χ^2/NDF: 85.9/58



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.177+/-0.009 χ^2/NDF:161066.1/12

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

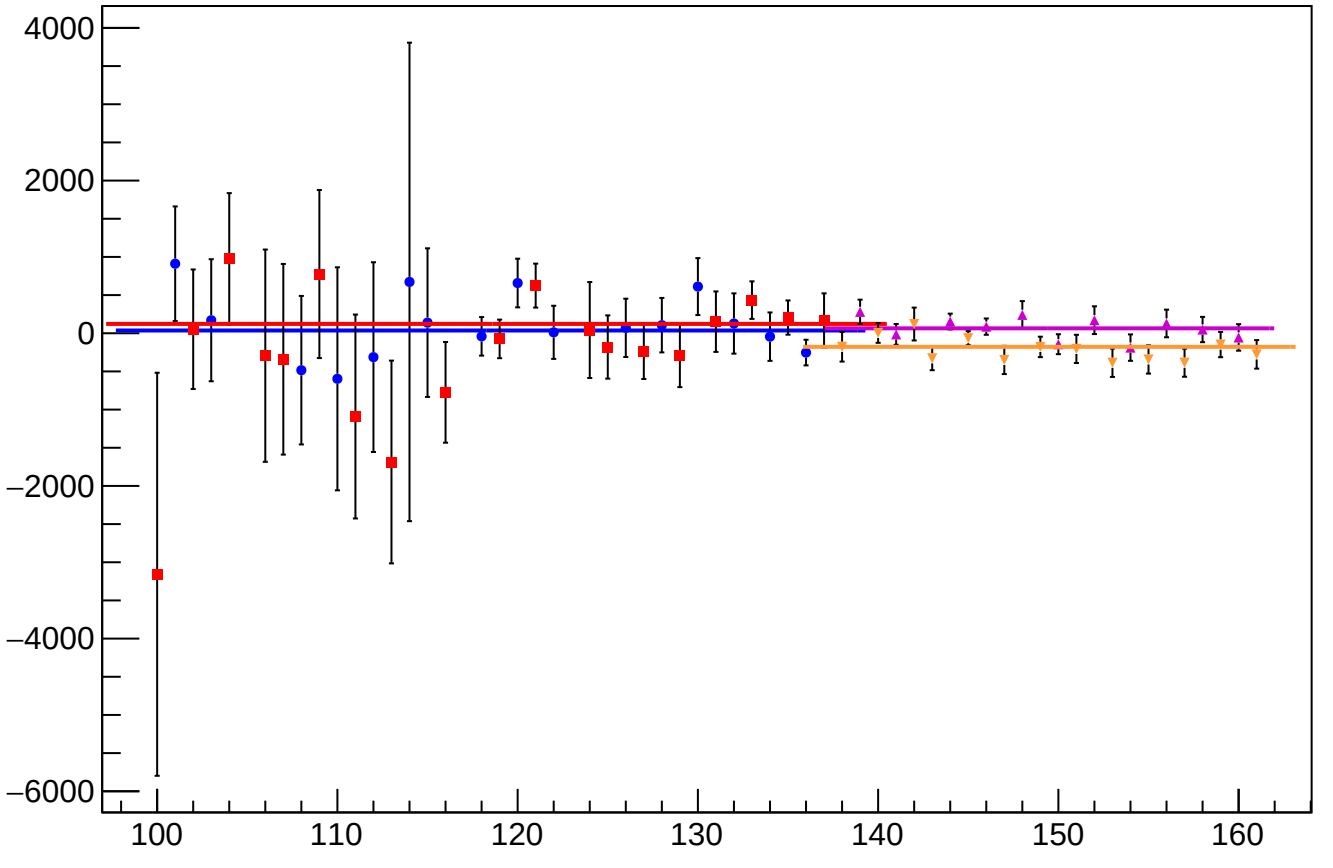
Left: 41.037+/-0.007 χ^2/NDF: 287755.1/23

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.867+/-0.008 χ^2/NDF:1922317.0/26

Out: 45.307+/-0.008 χ^2/NDF:2251610.4/31

All: 45.091+/-0.006 χ^2/NDF: 4175471.6/58



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.836+/-43.251 χ^2/NDF:10.9/12

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.348+/-43.551 χ^2/NDF:9.5/10

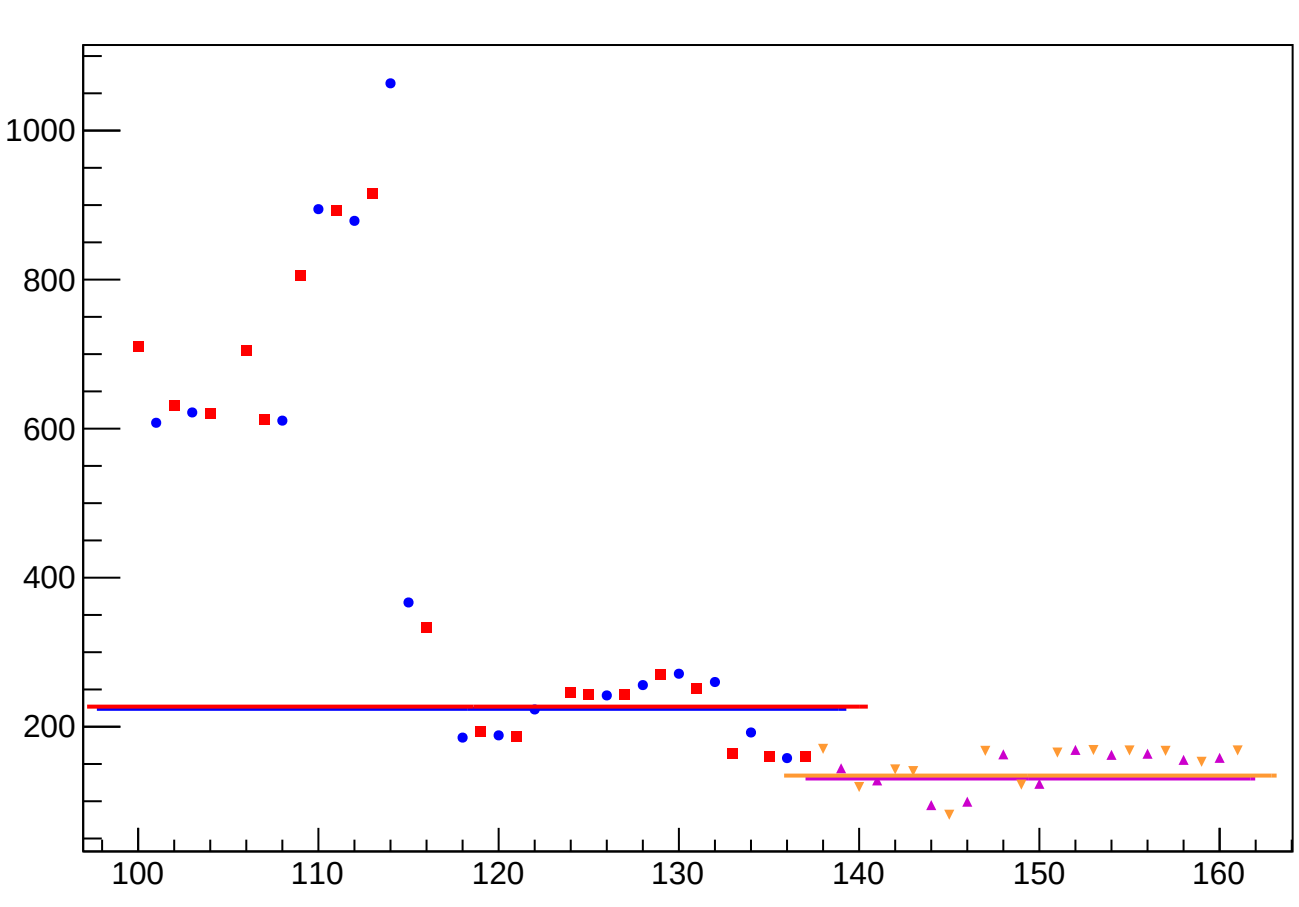
Left: -57.582+/-30.689 χ^2/NDF: 36.0/23

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -127.077+/-39.424 χ^2/NDF:34.6/31

All: -34.000+/-27.898 χ^2/NDF: 66.8/58



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186640.0/12

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

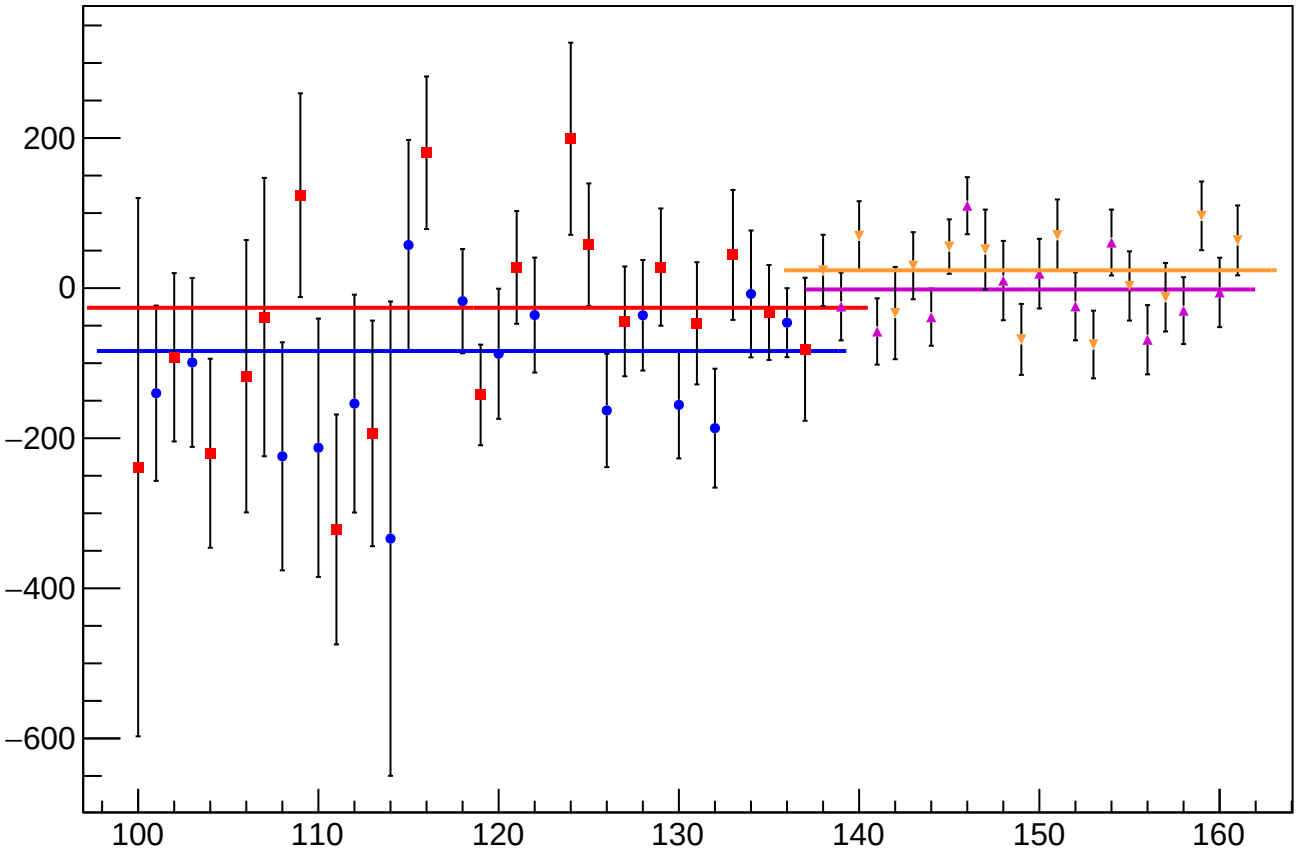
Left: 132.499+/-0.022 χ^2/NDF: 2008717.9/23

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.185+/-0.028 χ^2/NDF:5423971.6/26

Out: 150.087+/-0.028 χ^2/NDF:6306854.2/31

All: 148.639+/-0.020 χ^2/NDF: 11736235.1/58



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.763+/-12.850 χ^2/NDF:16.5/12

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -1.765+/-13.303 χ^2/NDF:16.5/10

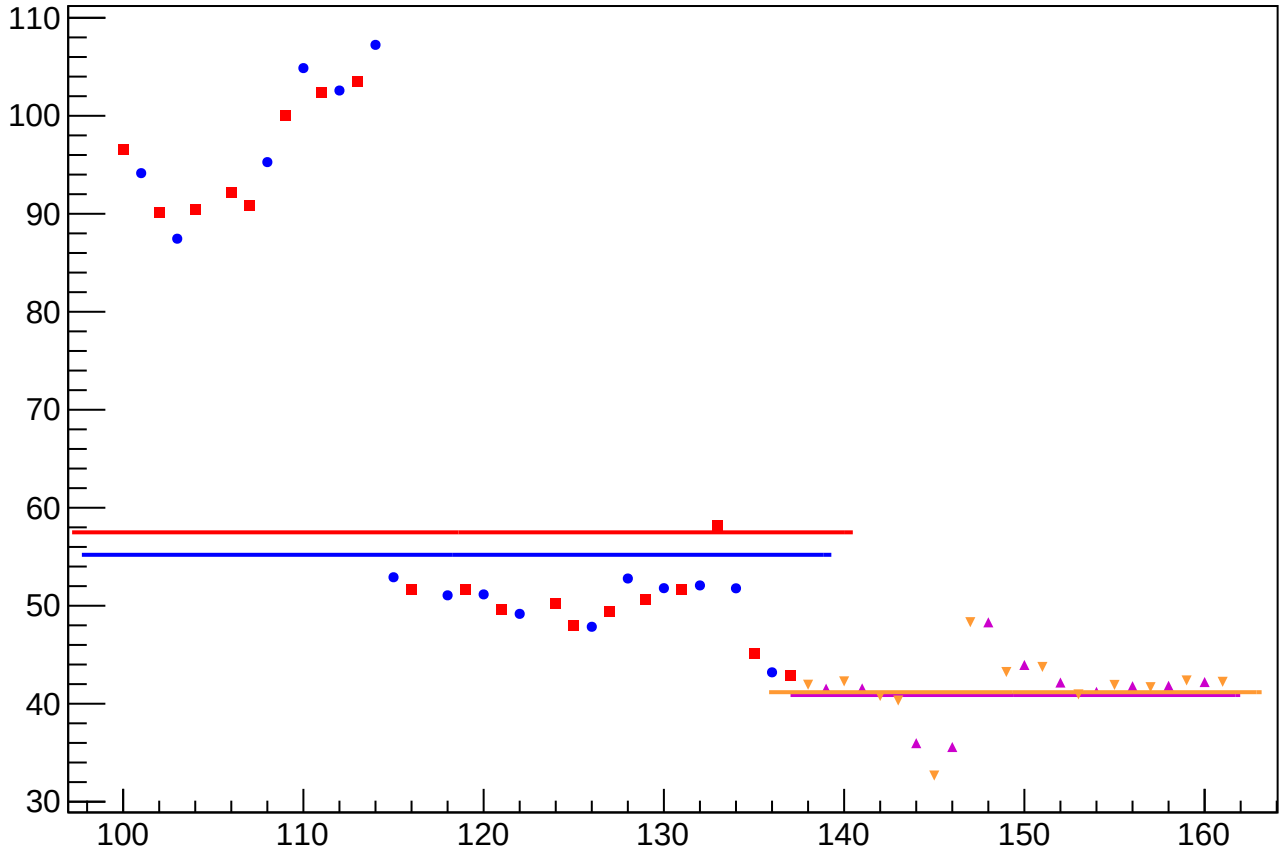
Left: 11.440+/-9.242 χ^2/NDF: 34.9/23

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -24.577+/-11.303 χ^2/NDF:37.6/26

Out: 11.127+/-11.105 χ^2/NDF:43.3/31

All: -6.410+/-7.921 χ^2/NDF: 85.9/58



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.177+/-0.009 χ^2/NDF:161066.1/12

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

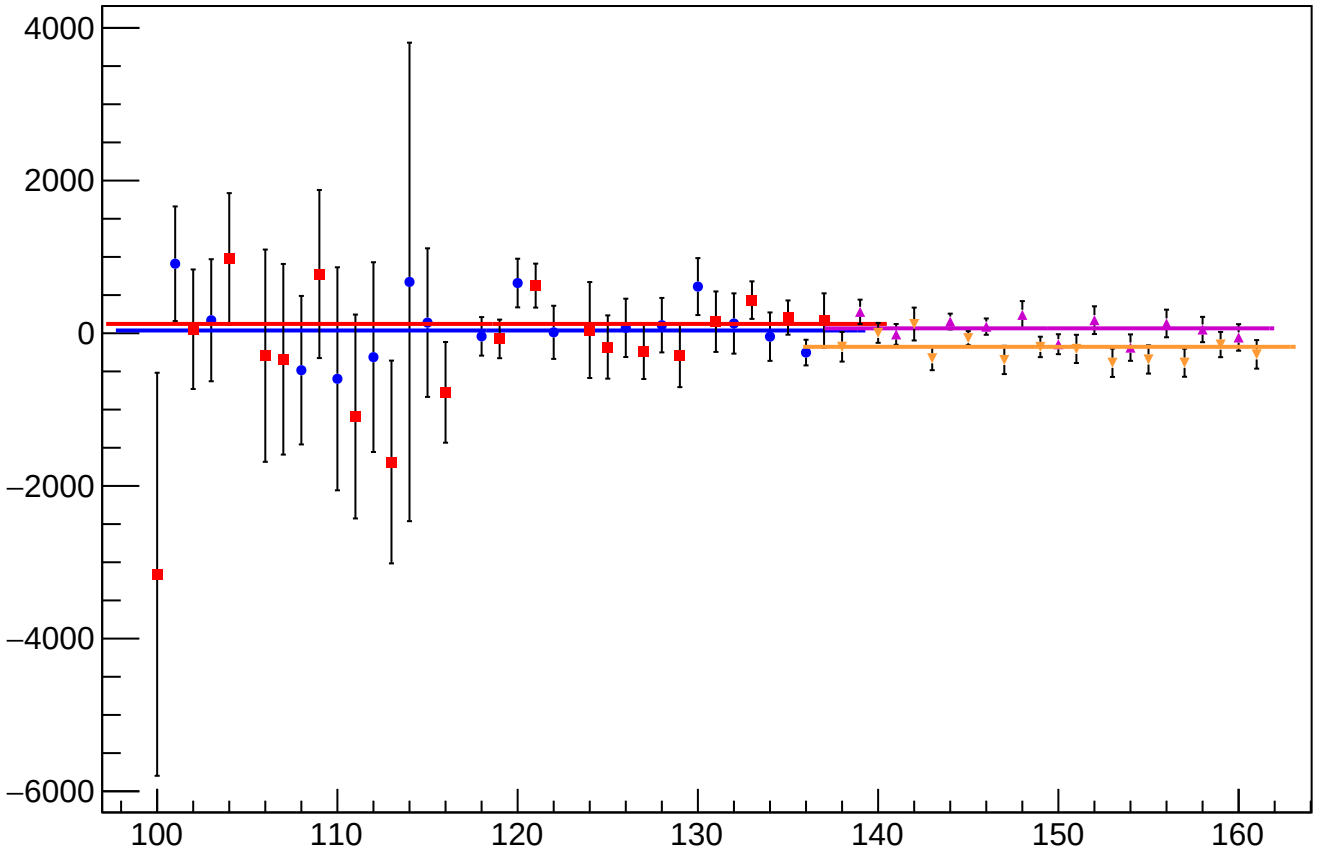
Left: 41.037+/-0.007 χ^2/NDF: 287755.1/23

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.867+/-0.008 χ^2/NDF:1922317.0/26

Out: 45.307+/-0.008 χ^2/NDF:2251610.4/31

All: 45.091+/-0.006 χ^2/NDF: 4175471.6/58



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.836+/-43.251 χ^2/NDF:10.9/12

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.348+/-43.551 χ^2/NDF:9.5/10

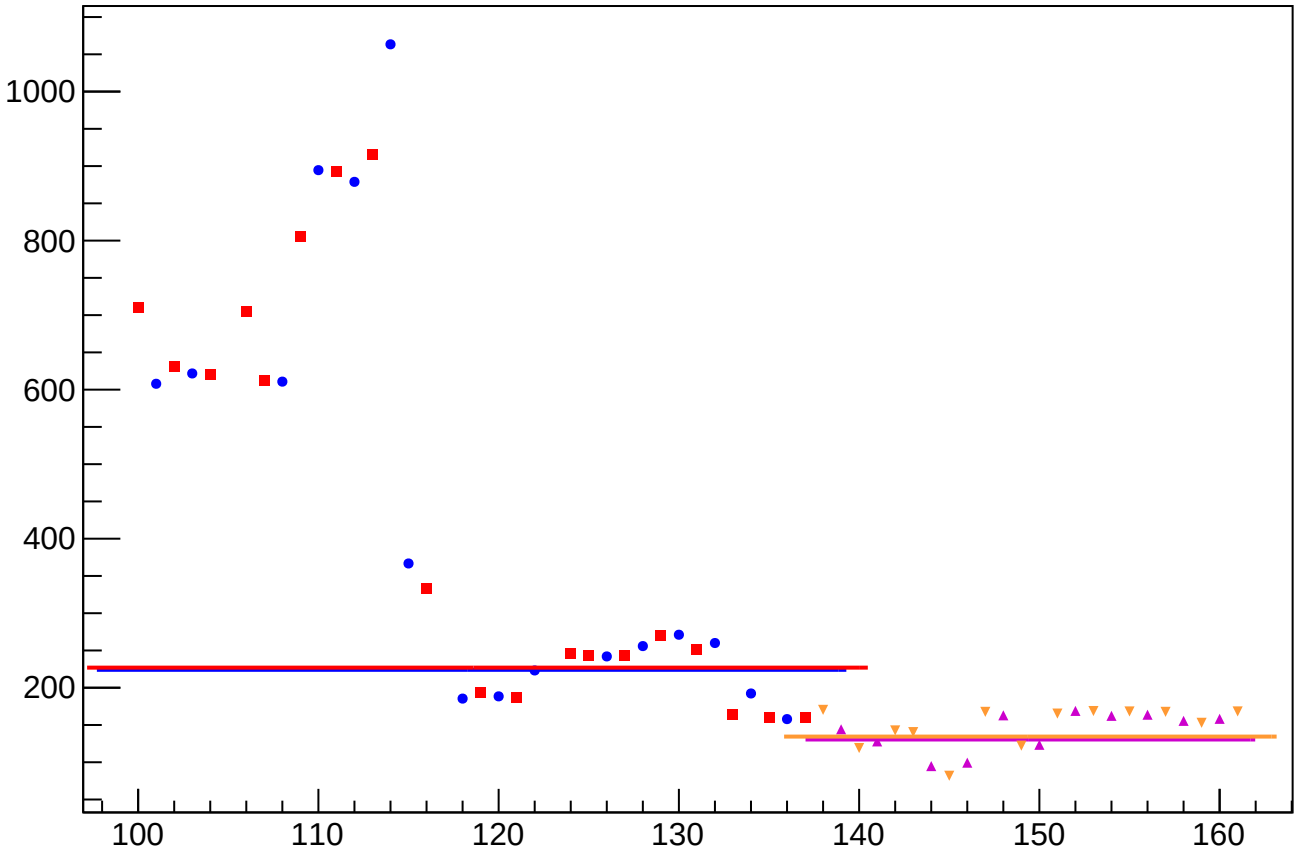
Left: -57.582+/-30.689 χ^2/NDF: 36.0/23

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.358+/-39.483 χ^2/NDF:21.0/26

Out: -127.077+/-39.424 χ^2/NDF:34.6/31

All: -34.000+/-27.898 χ^2/NDF: 66.8/58



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186640.0/12

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

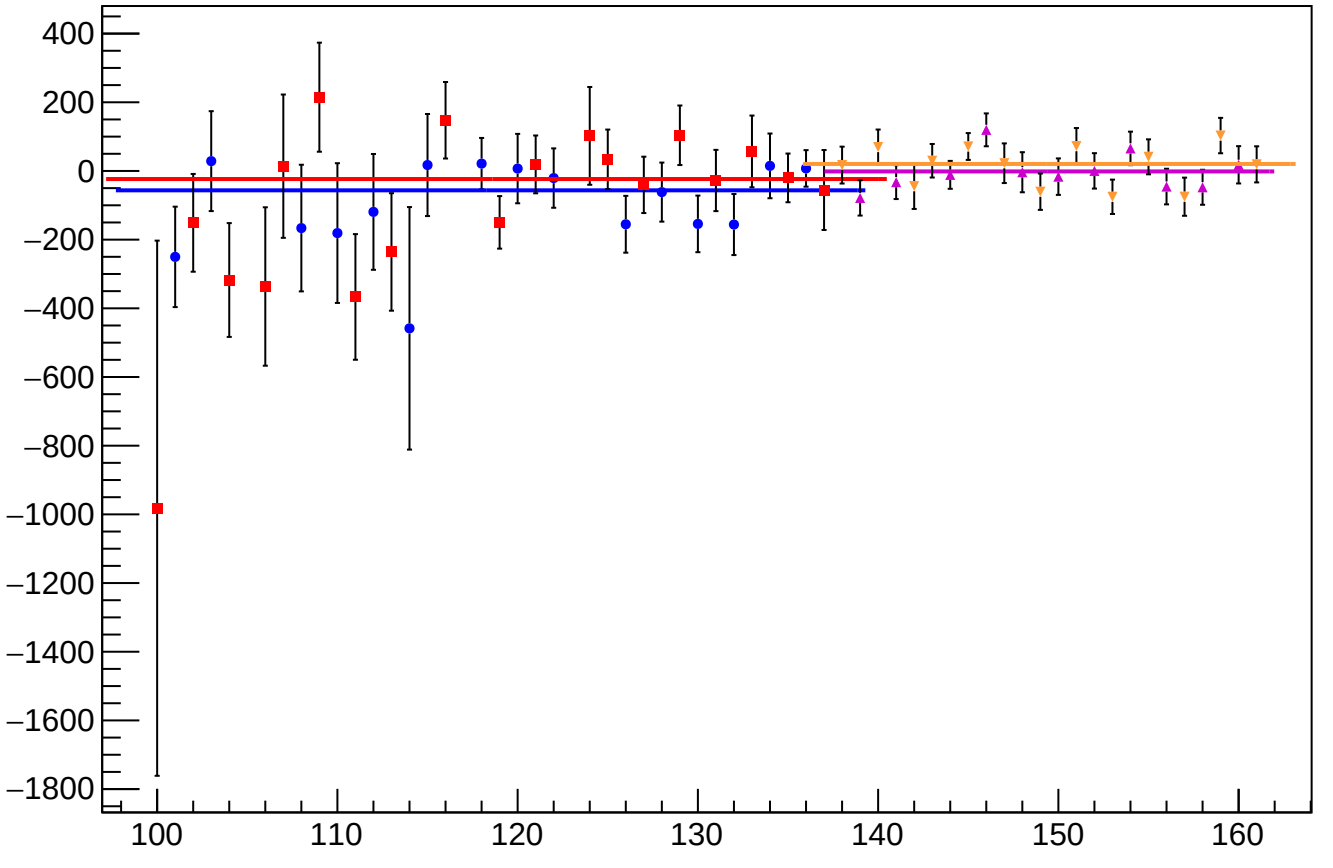
Left: 132.499+/-0.022 χ^2/NDF: 2008717.9/23

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 147.185+/-0.028 χ^2/NDF:5423971.6/26

Out: 150.087+/-0.028 χ^2/NDF:6306854.2/31

All: 148.639+/-0.020 χ^2/NDF: 11736235.1/58



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.420+/-14.289 χ^2/NDF:16.3/12

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -1.365+/-15.125 χ^2/NDF:12.7/10

Left: 10.147+/-10.387 χ^2/NDF: 30.1/23

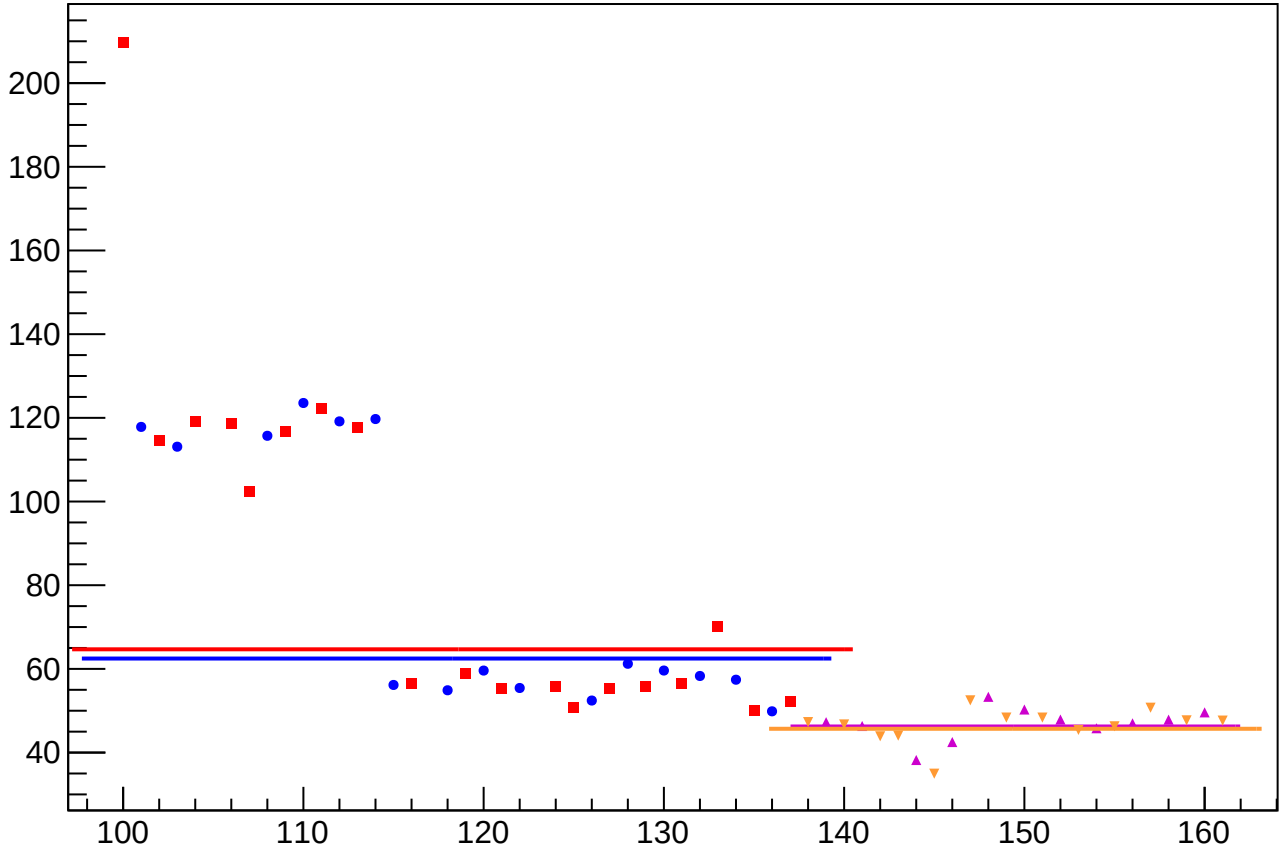
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -16.566+/-12.869 χ^2/NDF:28.7/26

Out: 9.711+/-12.425 χ^2/NDF:42.7/31

All: -2.967+/-8.938 χ^2/NDF: 73.5/58

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: 45.688+/-0.010 χ^2/NDF:217710.3/12

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.234+/-0.011 χ^2/NDF:144231.7/10

Left: 45.945+/-0.007 χ^2/NDF: 363320.7/23

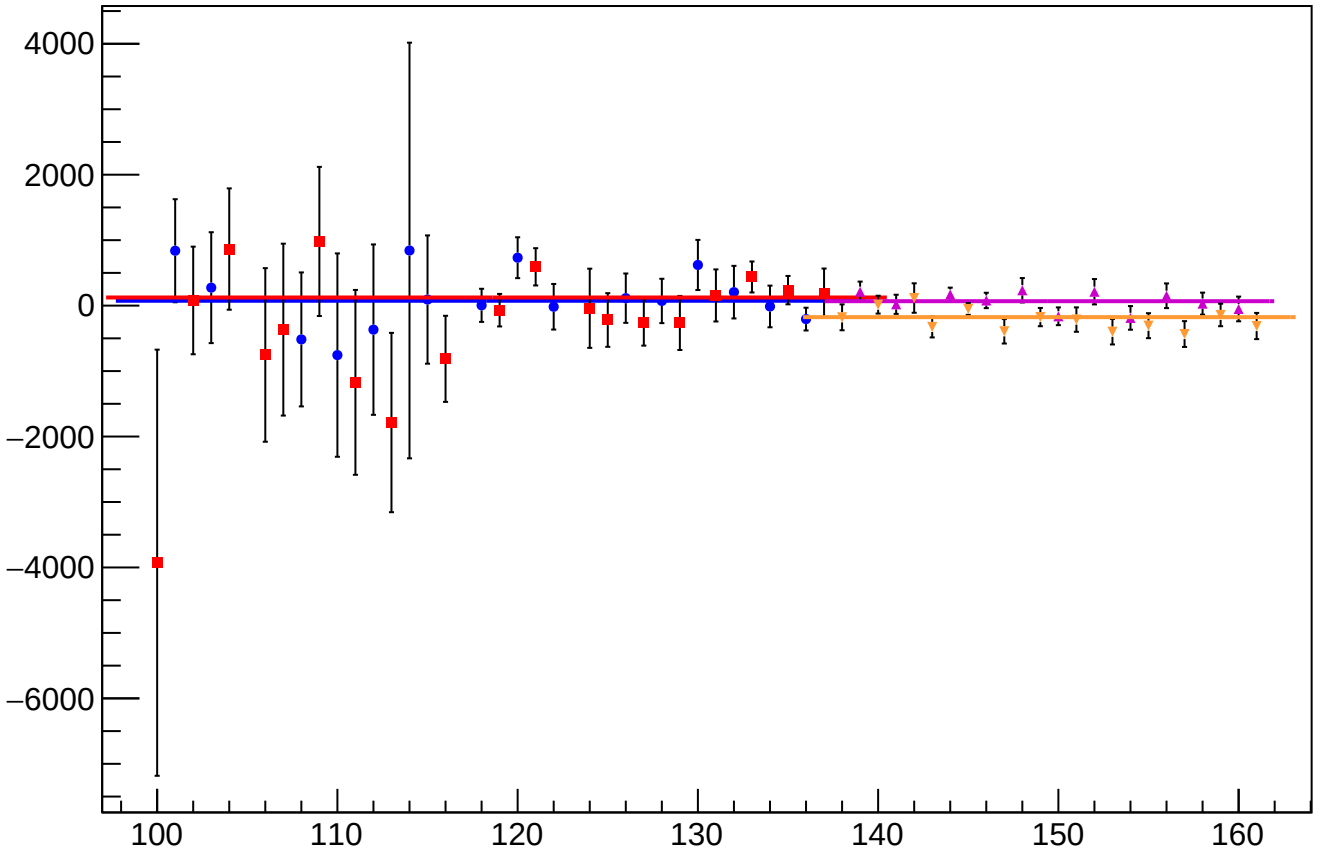
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.719+/-0.009 χ^2/NDF:2129145.3/26

Out: 50.319+/-0.009 χ^2/NDF:2669867.5/31

All: 50.512+/-0.006 χ^2/NDF: 4800009.3/58

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -175.991+/-44.334 χ^2/NDF:11.8/12

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 67.632+/-45.432 χ^2/NDF:8.8/10

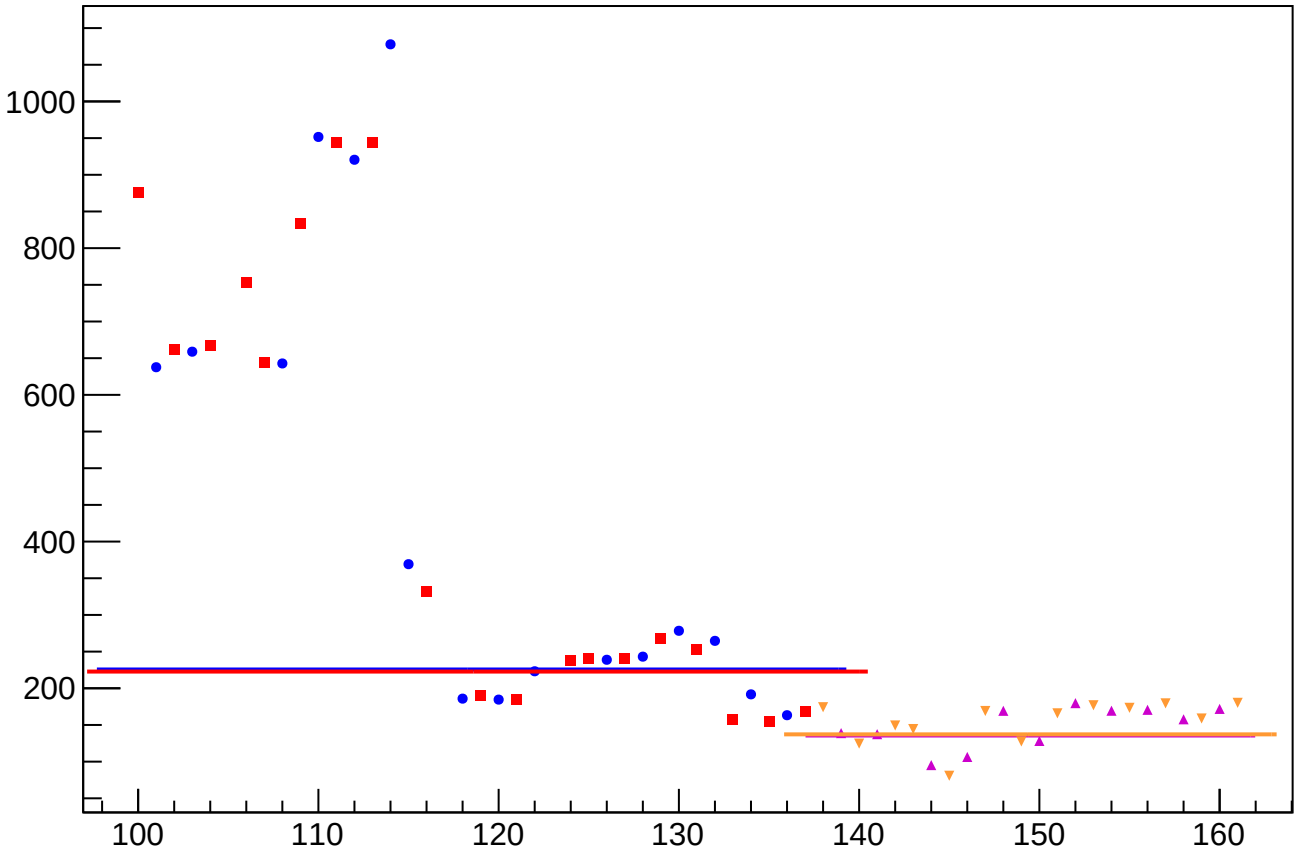
Left: -57.160+/-31.730 χ^2/NDF: 35.4/23

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 68.883+/-40.945 χ^2/NDF:20.0/26

Out: -121.994+/-40.149 χ^2/NDF:36.4/31

All: -28.430+/-28.667 χ^2/NDF: 67.5/58



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 137.192+/-0.031 χ^2/NDF:1368323.0/12

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 135.616+/-0.032 χ^2/NDF:844720.6/10

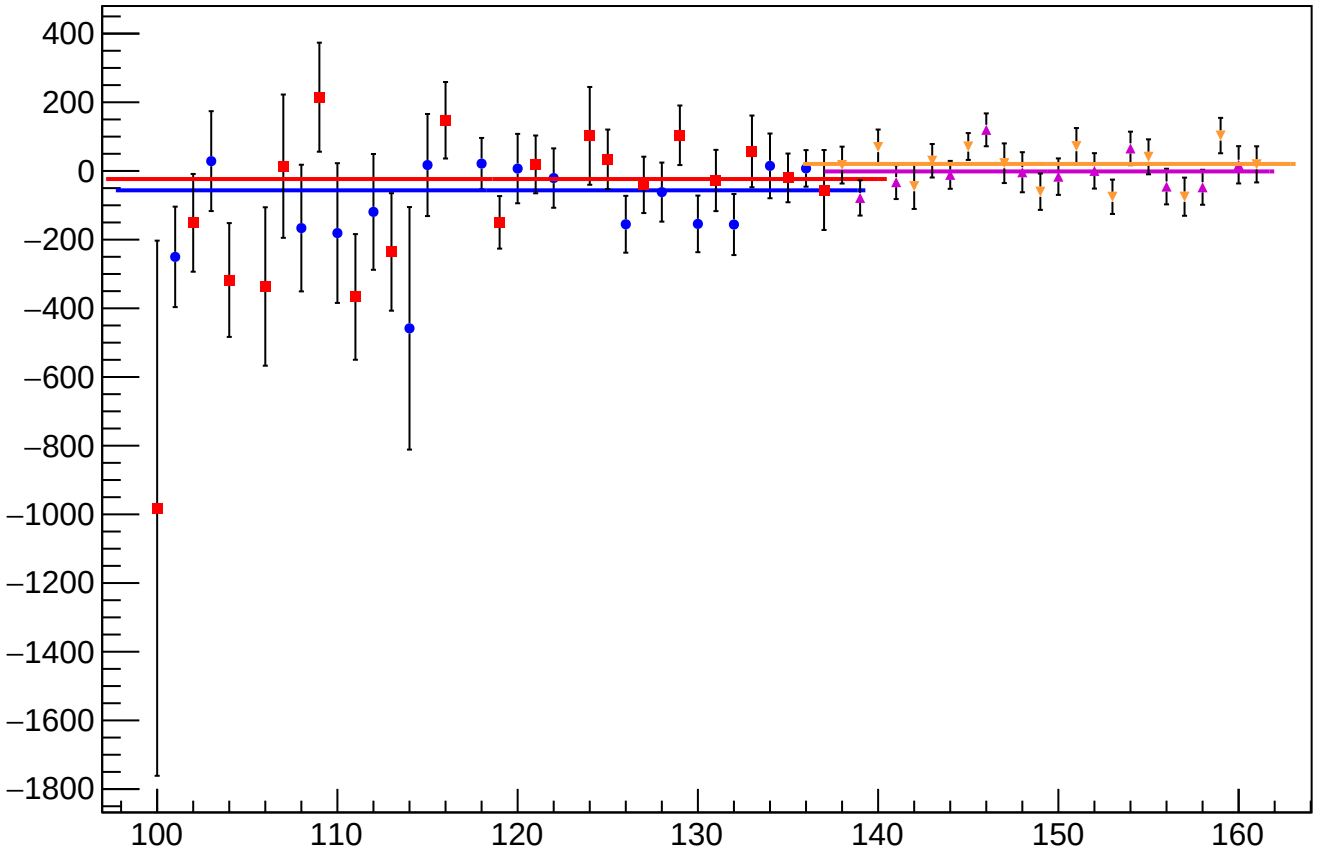
Left: 136.423+/-0.022 χ^2/NDF: 2214276.6/23

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 152.515+/-0.029 χ^2/NDF:5344351.0/26

Out: 152.588+/-0.028 χ^2/NDF:6557432.9/31

All: 152.552+/-0.020 χ^2/NDF: 11901787.2/58



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.421+/-14.289 χ^2/NDF:16.3/12

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -1.364+/-15.125 χ^2/NDF:12.7/10

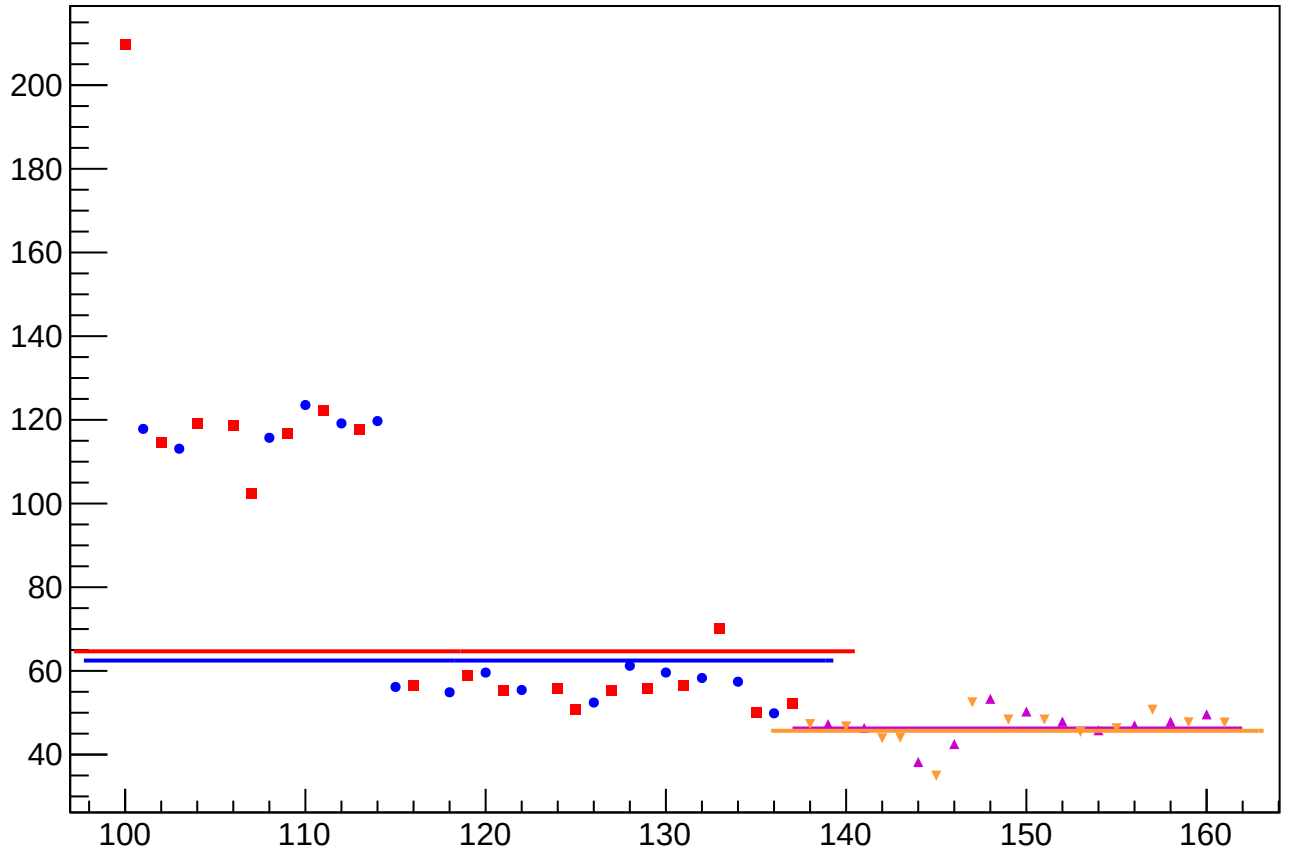
Left: 10.148+/-10.387 χ^2/NDF: 30.1/23

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -16.566+/-12.869 χ^2/NDF:28.7/26

Out: 9.710+/-12.425 χ^2/NDF:42.7/31

All: -2.967+/-8.938 χ^2/NDF: 73.5/58



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.688+/-0.010 χ^2/NDF:217715.1/12

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.234+/-0.011 χ^2/NDF:144232.9/10

Left: 45.945+/-0.007 χ^2/NDF: 363326.7/23

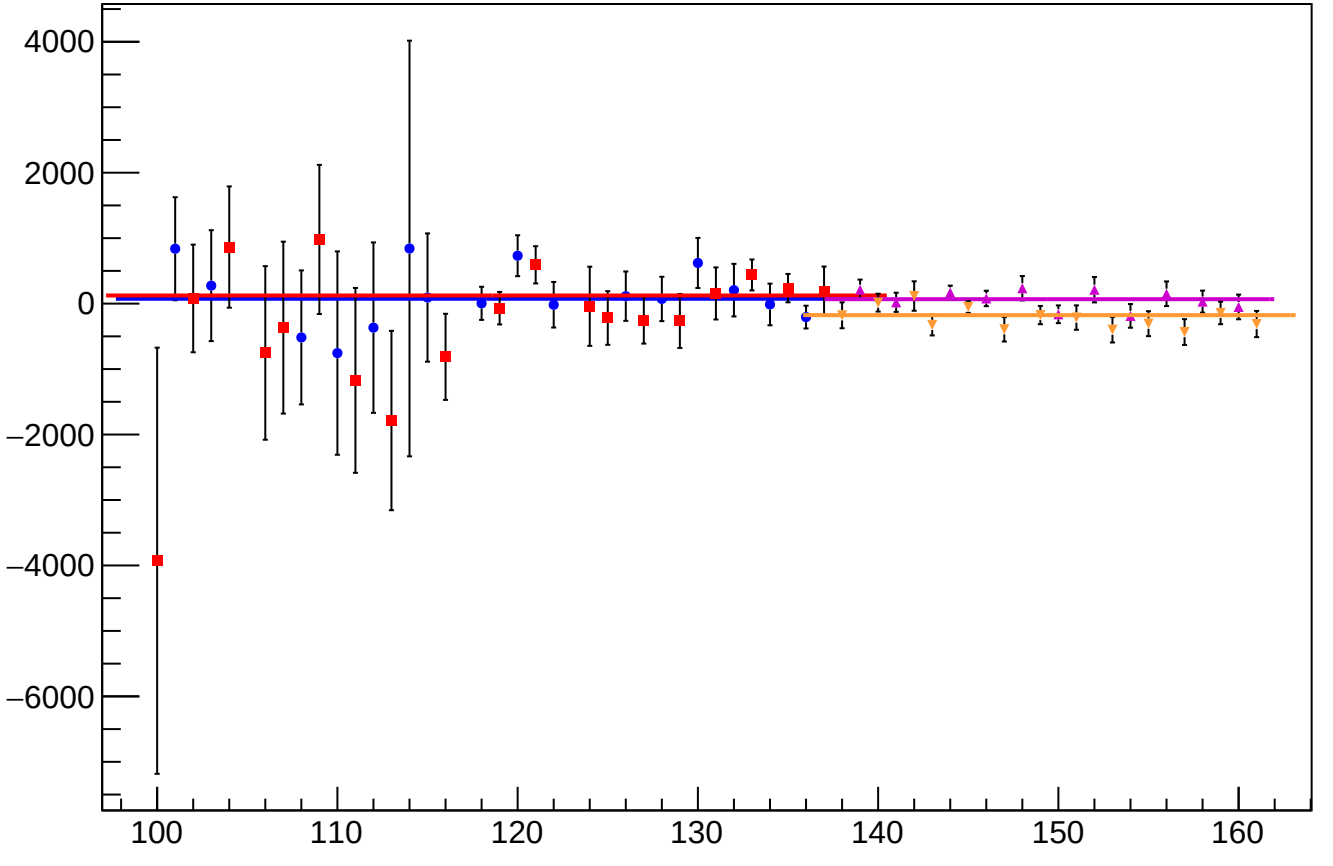
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.719+/-0.009 χ^2/NDF:2129085.7/26

Out: 50.319+/-0.009 χ^2/NDF:2669822.9/31

All: 50.512+/-0.006 χ^2/NDF: 4799904.9/58

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -175.991+/-44.334 χ^2/NDF:11.8/12

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 67.632+/-45.432 χ^2/NDF:8.8/10

Left: -57.160+/-31.730 χ^2/NDF: 35.4/23

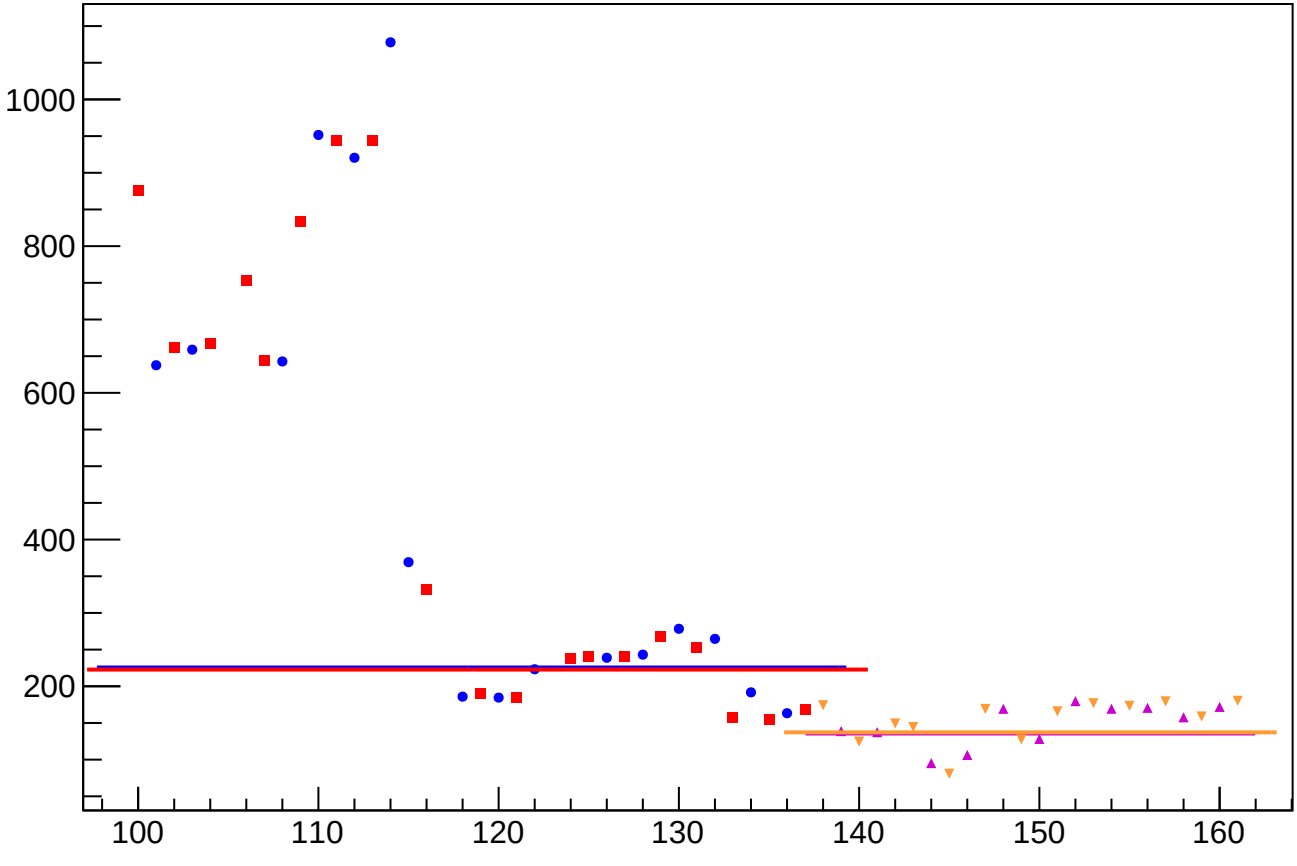
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 68.883+/-40.945 χ^2/NDF:20.0/26

Out: -121.994+/-40.149 χ^2/NDF:36.4/31

All: -28.430+/-28.667 χ^2/NDF: 67.5/58

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 137.193+/-0.031 χ^2/NDF:1368312.0/12

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 135.616+/-0.032 χ^2/NDF:844719.9/10

Left: 136.424+/-0.022 χ^2/NDF: 2214265.2/23

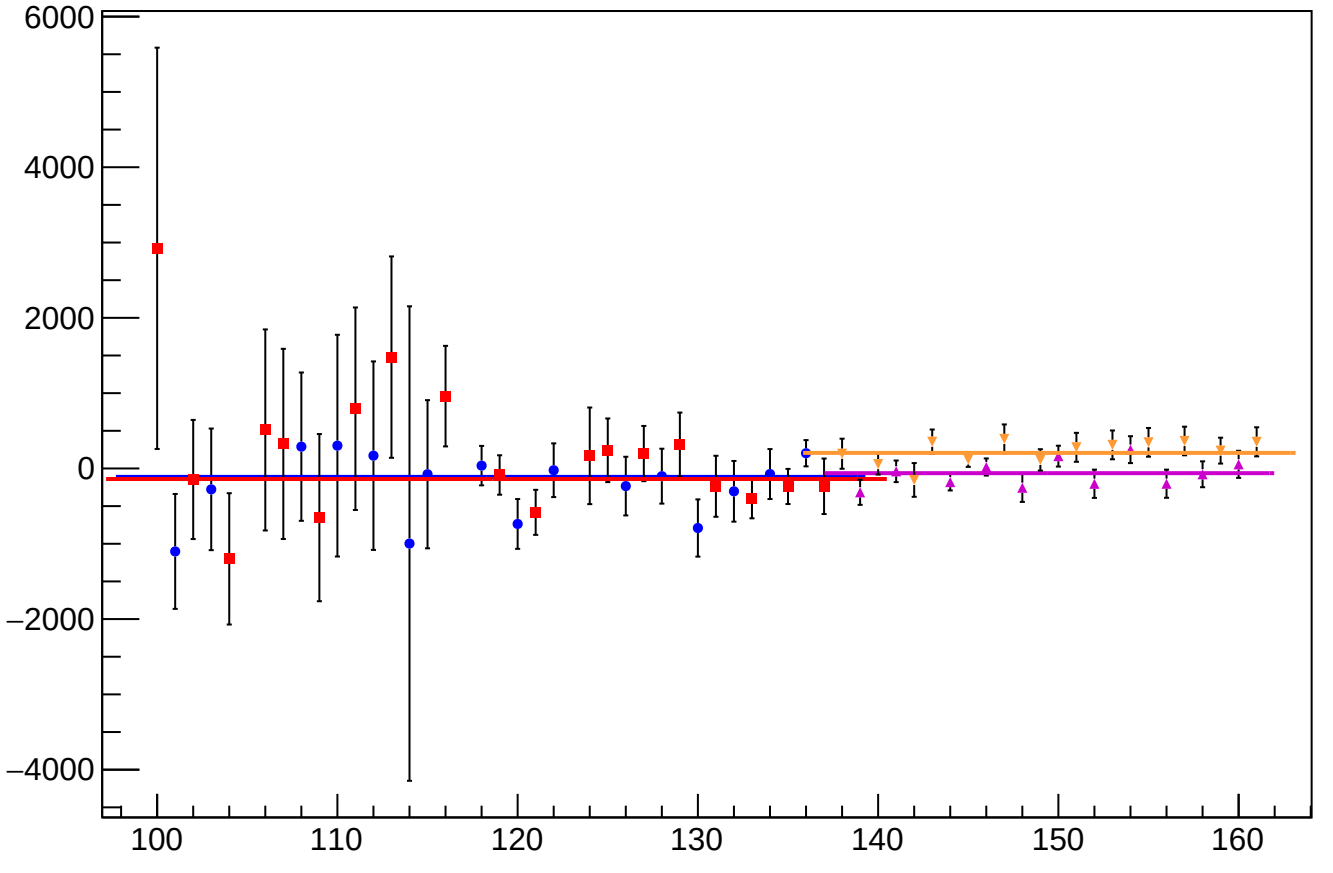
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 152.515+/-0.029 χ^2/NDF:5344329.1/26

Out: 152.589+/-0.028 χ^2/NDF:6557400.2/31

All: 152.553+/-0.020 χ^2/NDF: 11901732.6/58

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 206.617+/-45.422 χ^2/NDF:9.0/12

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -62.524+/-45.804 χ^2/NDF:12.3/10

Left: 73.174+/-32.252 χ^2/NDF: 38.8/23

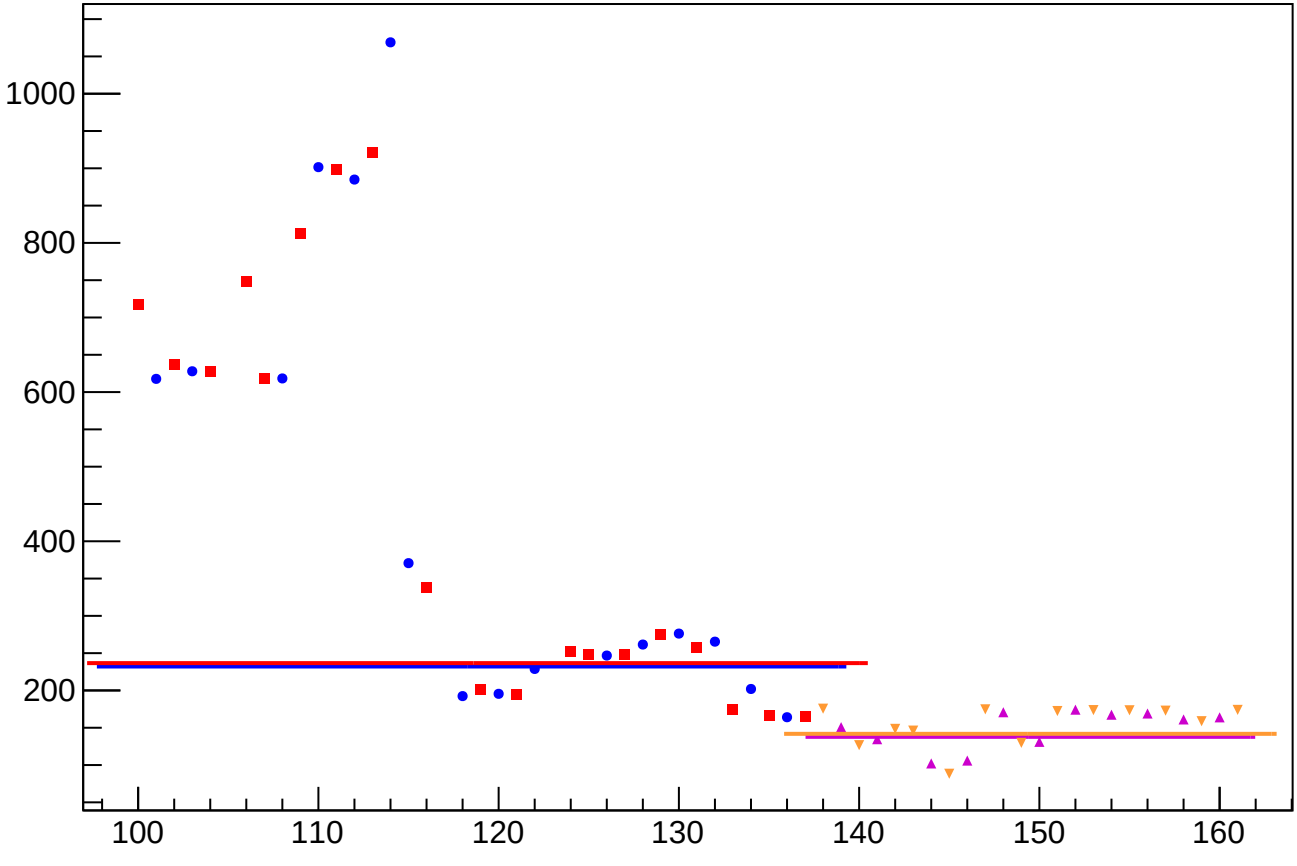
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.597+/-41.383 χ^2/NDF:25.4/26

Out: 146.521+/-41.296 χ^2/NDF:33.7/31

All: 37.690+/-29.231 χ^2/NDF: 73.1/58

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 141.842+/-0.032 χ^2/NDF:1033614.8/12

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 137.823+/-0.032 χ^2/NDF:708086.0/10

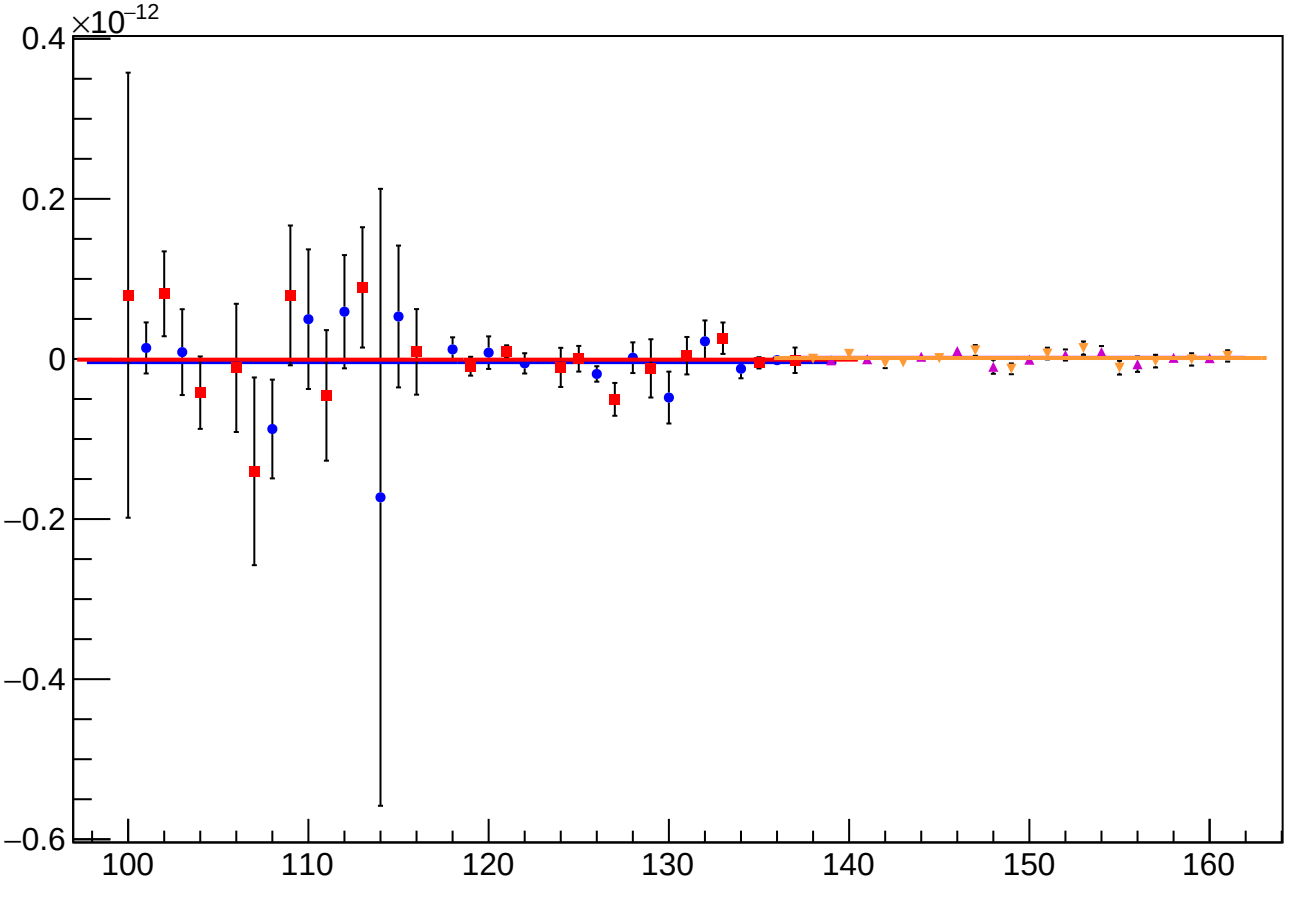
Left: 139.849+/-0.023 χ^2/NDF: 1749464.7/23

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 155.144+/-0.029 χ^2/NDF:5150425.0/26

Out: 158.280+/-0.029 χ^2/NDF:6065416.8/31

All: 156.715+/-0.021 χ^2/NDF: 11221598.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

Left: 0.000+/-0.000 χ^2/NDF: 21.8/23

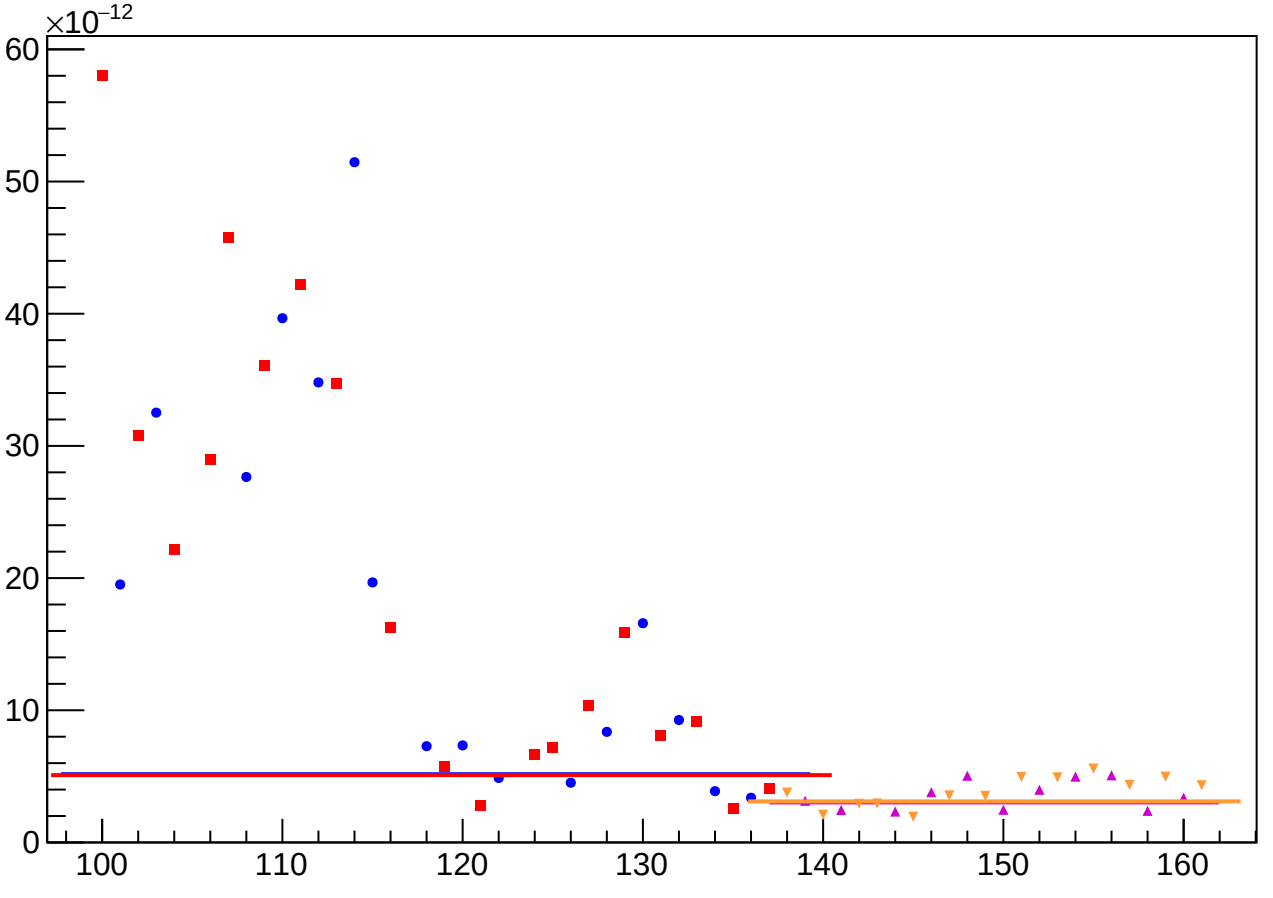
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.7/26

Out: 0.000+/-0.000 χ^2/NDF:33.7/31

All: 0.000+/-0.000 χ^2/NDF: 53.4/58

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:1087489.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:590145.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1680056.8/23

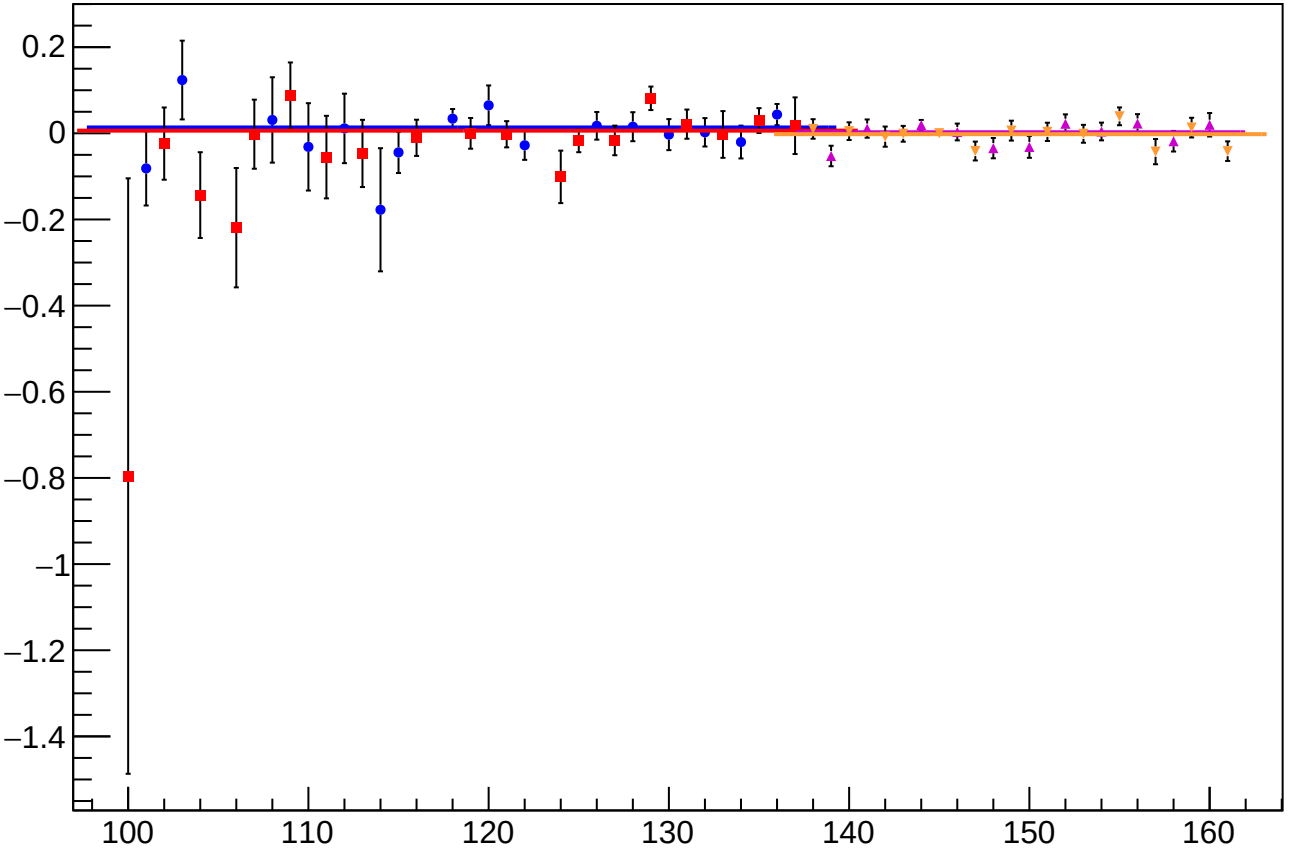
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3776507.9/26

Out: 0.000+/-0.000 χ^2/NDF:4761966.7/31

All: 0.000+/-0.000 χ^2/NDF: 8538476.8/58

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.7/10

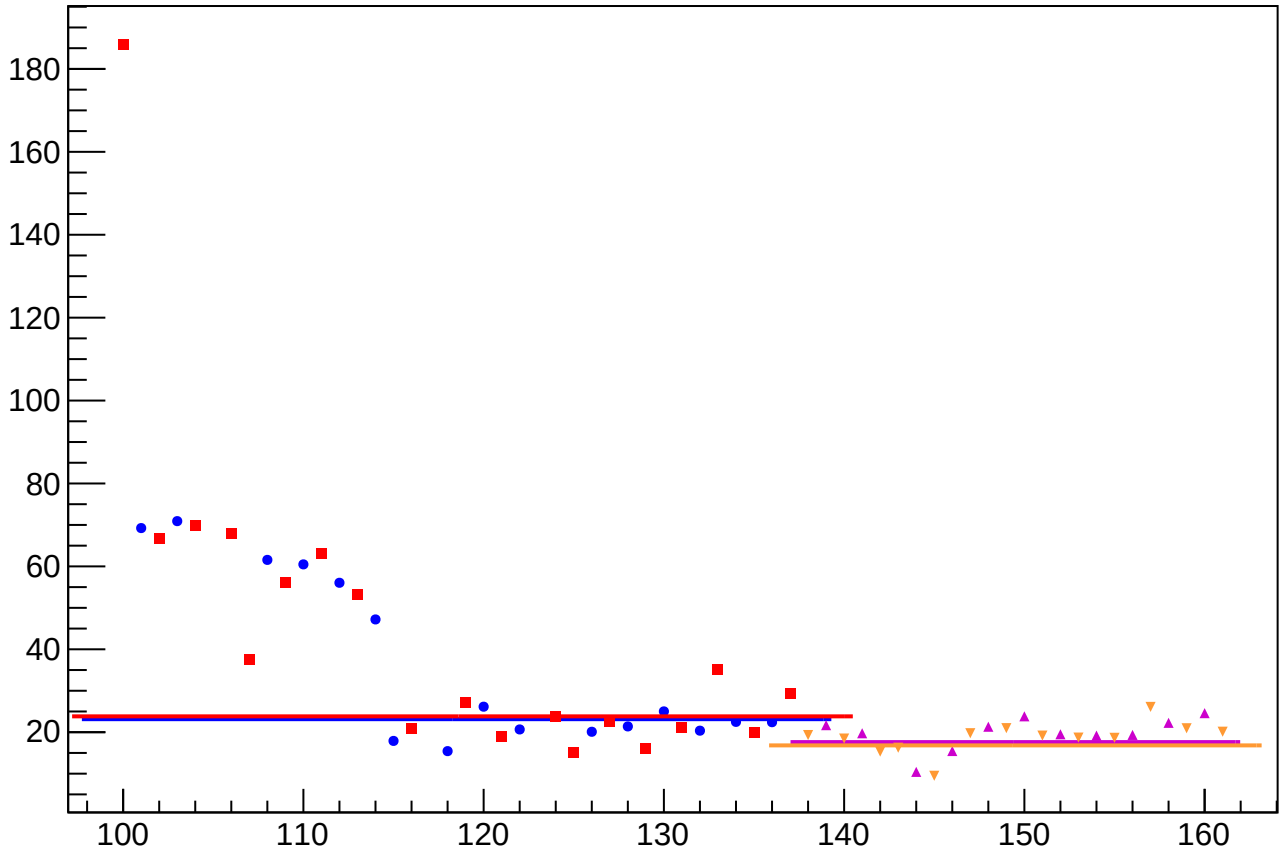
Left: 0.000+/-0.004 χ^2/NDF: 28.3/23

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: -0.000+/-0.005 χ^2/NDF:35.3/31

All: 0.003+/-0.004 χ^2/NDF: 63.8/58



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354523.1/12

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

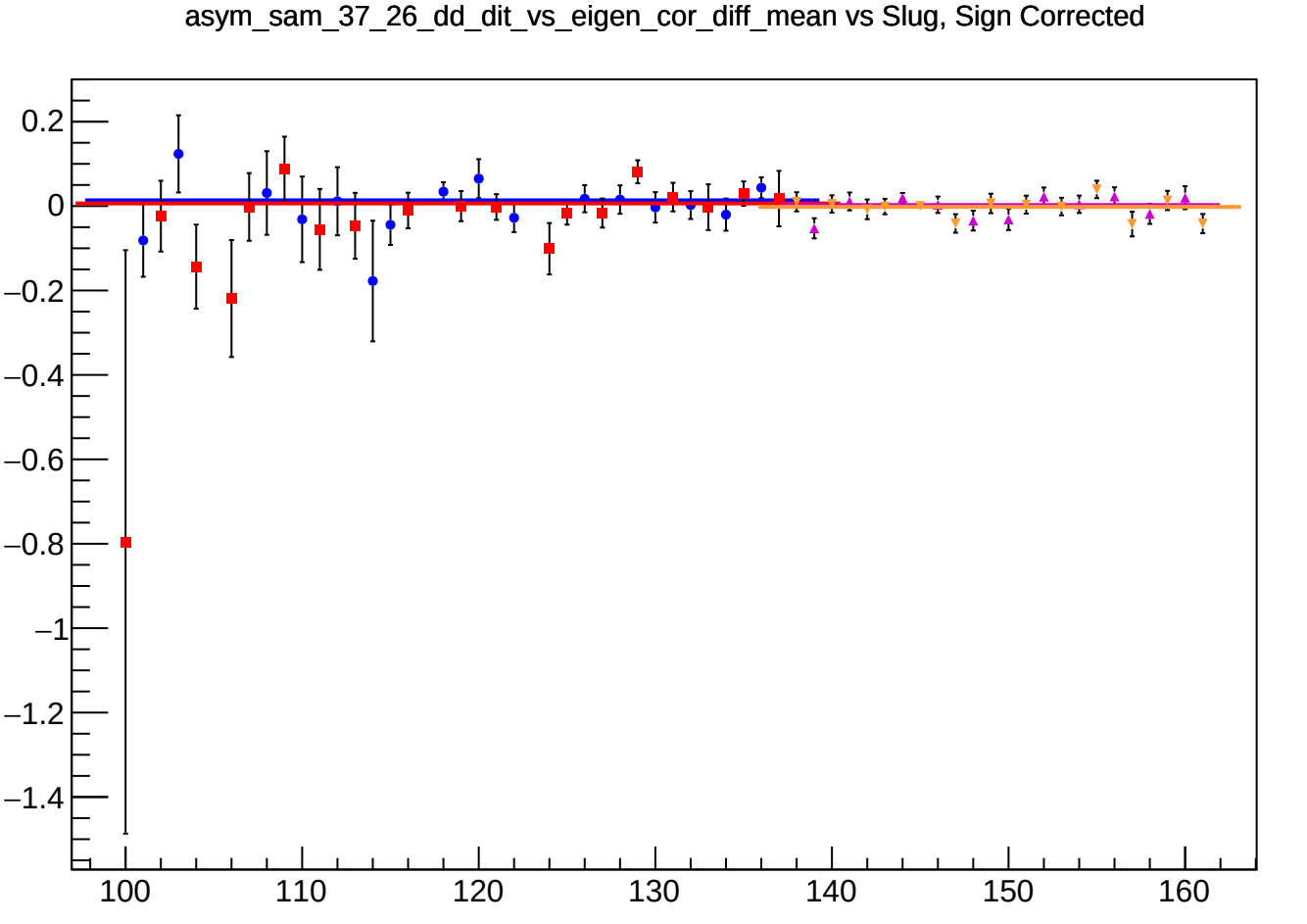
Left: 17.177+/-0.003 χ^2/NDF: 2635199.3/23

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.148+/-0.004 χ^2/NDF:4124605.0/26

Out: 18.440+/-0.003 χ^2/NDF:4997723.1/31

All: 18.770+/-0.003 χ^2/NDF: 9142288.4/58



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.7/10

Left: 0.000+/-0.004 χ^2/NDF: 28.3/23

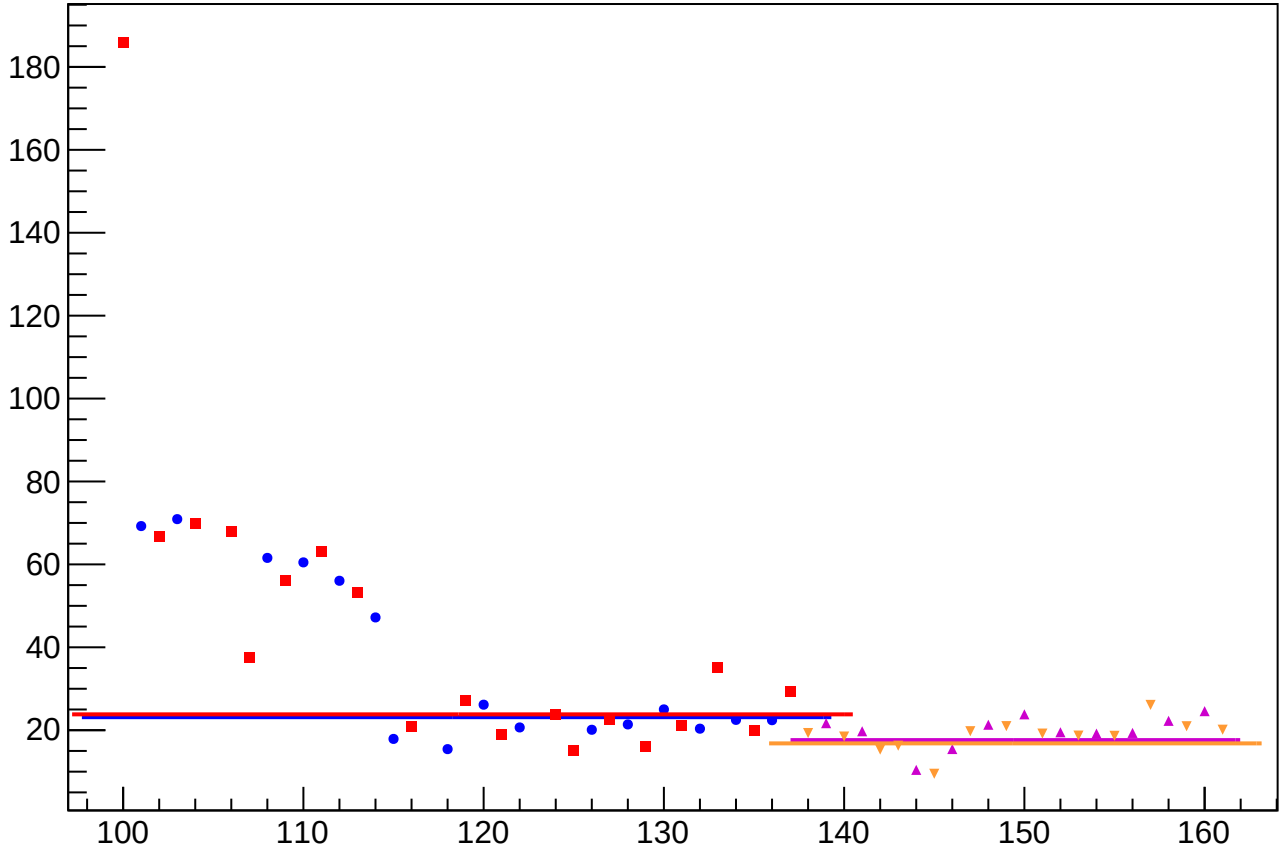
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: -0.000+/-0.005 χ^2/NDF:35.3/31

All: 0.003+/-0.004 χ^2/NDF: 63.8/58

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354523.1/12

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

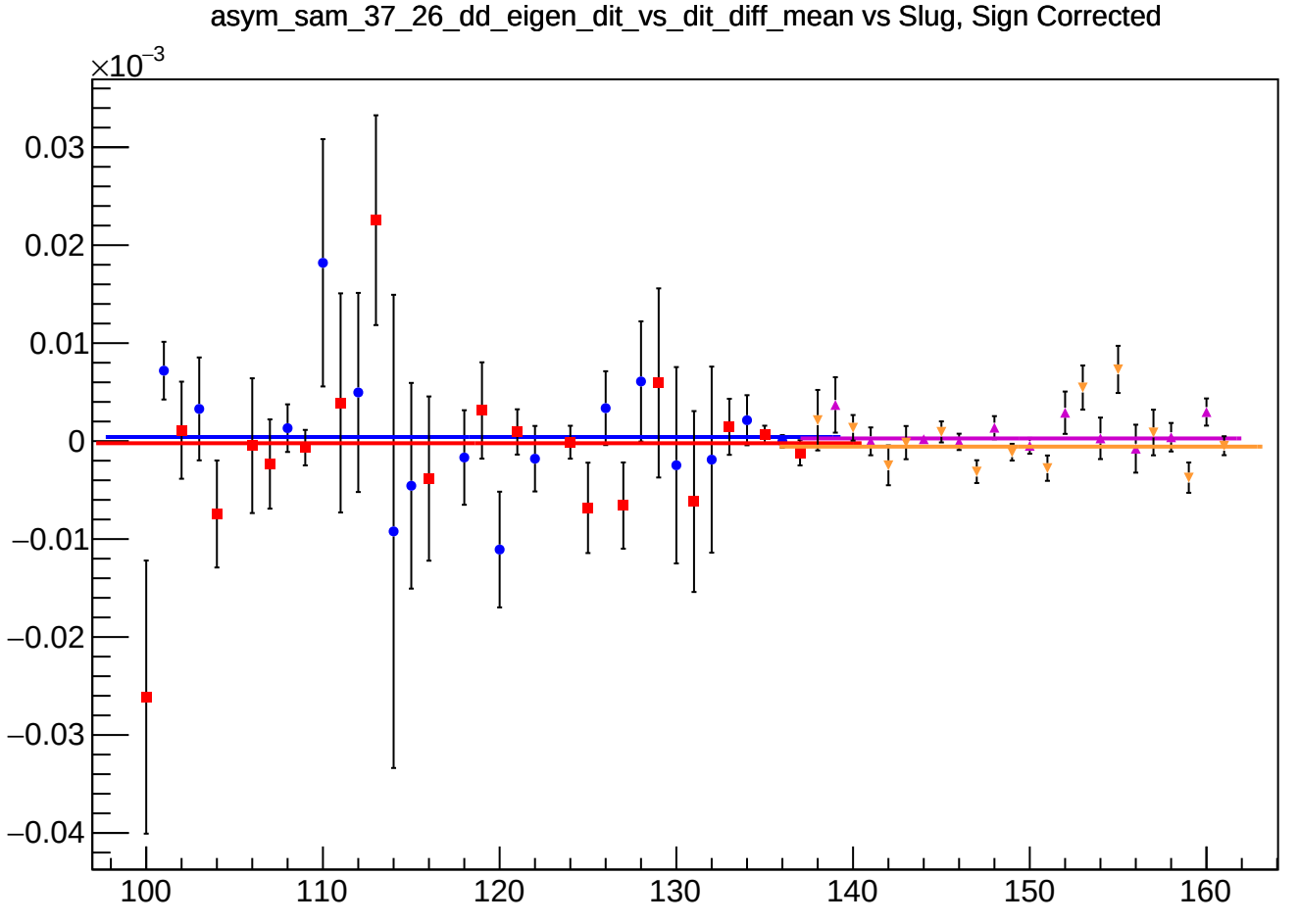
Left: 17.177+/-0.003 χ^2/NDF: 2635199.3/23

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.148+/-0.004 χ^2/NDF:4124605.0/26

Out: 18.440+/-0.003 χ^2/NDF:4997723.1/31

All: 18.770+/-0.003 χ^2/NDF: 9142288.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/10

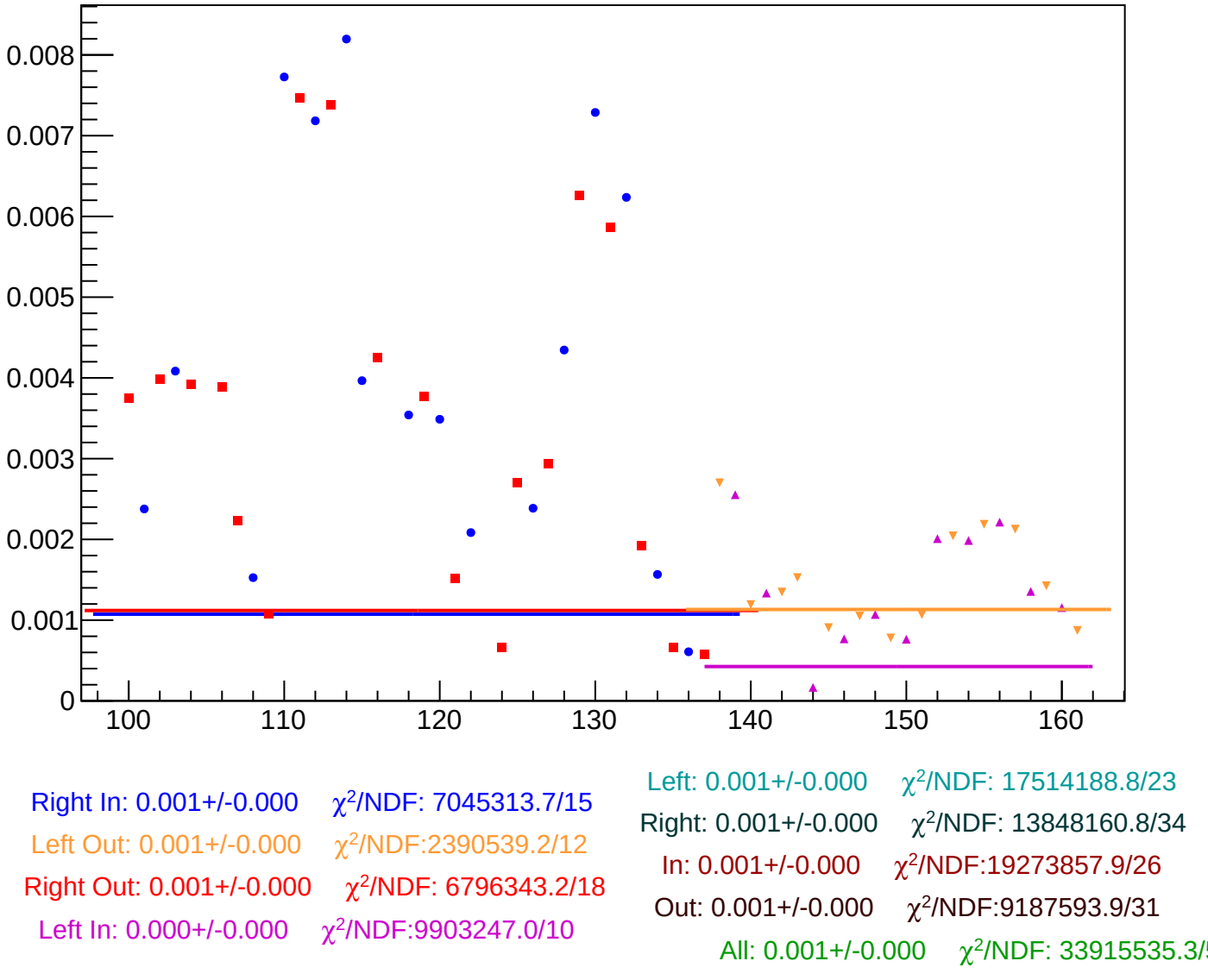
Left: 0.000+/-0.000 χ^2/NDF: 49.1/23

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

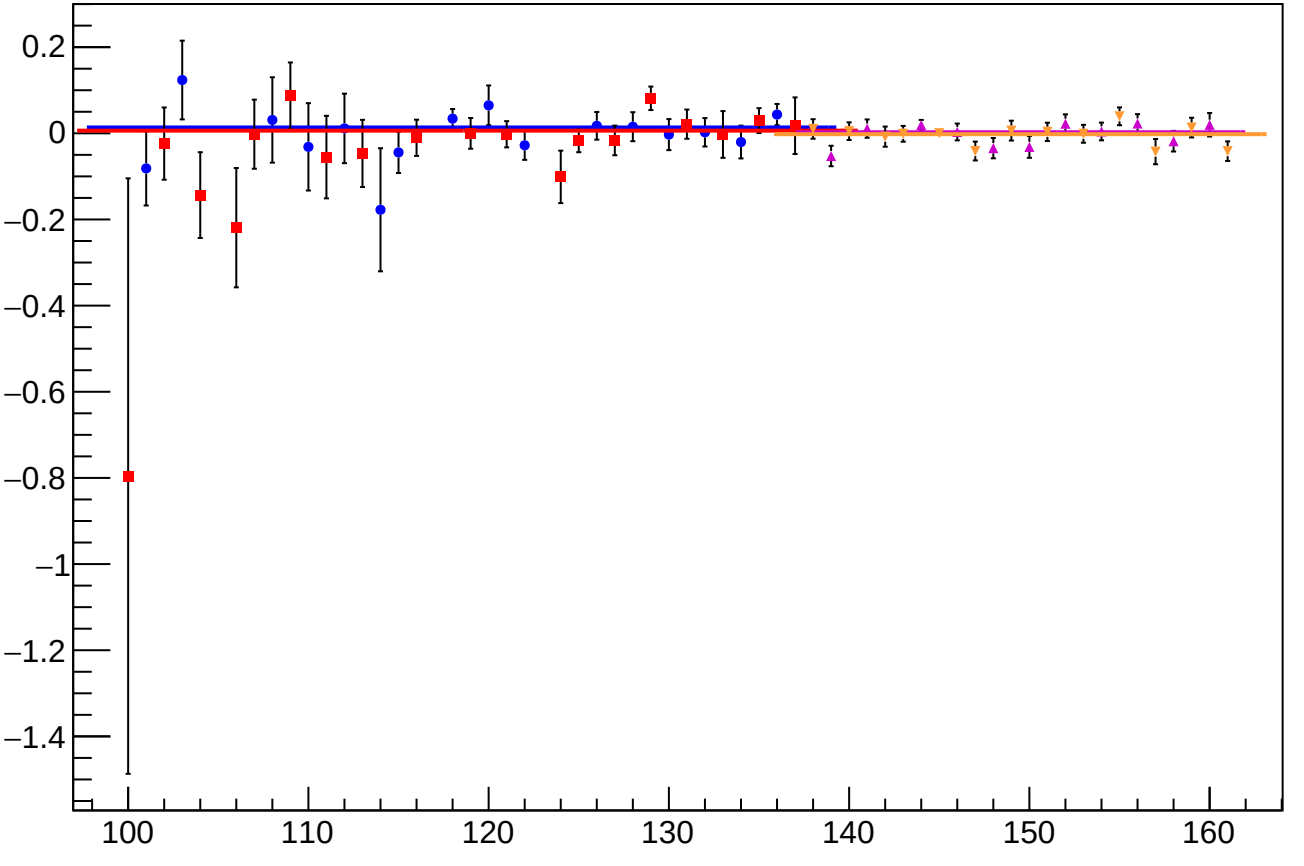
In: 0.000+/-0.000 χ^2/NDF:24.3/26

Out: -0.000+/-0.000 χ^2/NDF:54.6/31

All: 0.000+/-0.000 χ^2/NDF: 82.9/58


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
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:2390539.2/12
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:9903247.0/10
Left: 0.001+/-0.000 χ²/NDF: 17514188.8/23
Right: 0.001+/-0.000 χ²/NDF: 13848160.8/34
In: 0.001+/-0.000 χ²/NDF:19273857.9/26
Out: 0.001+/-0.000 χ²/NDF:9187593.9/31
All: 0.001+/-0.000 χ²/NDF: 33915535.3/58

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.7/10

Left: 0.000+/-0.004 χ^2/NDF: 28.3/23

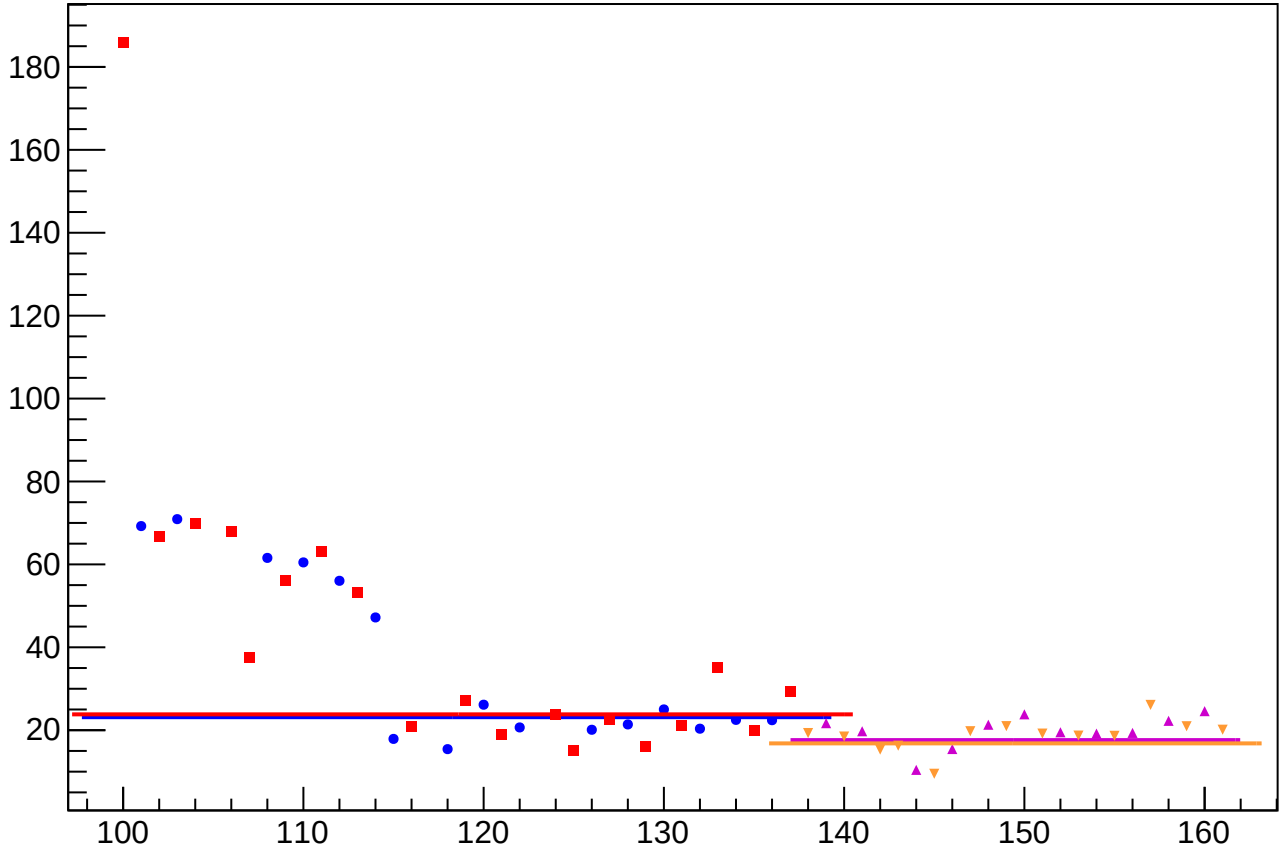
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: -0.000+/-0.005 χ^2/NDF:35.3/31

All: 0.003+/-0.004 χ^2/NDF: 63.8/58

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354631.6/12

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

Left: 17.177+/-0.003 χ^2/NDF: 2635290.1/23

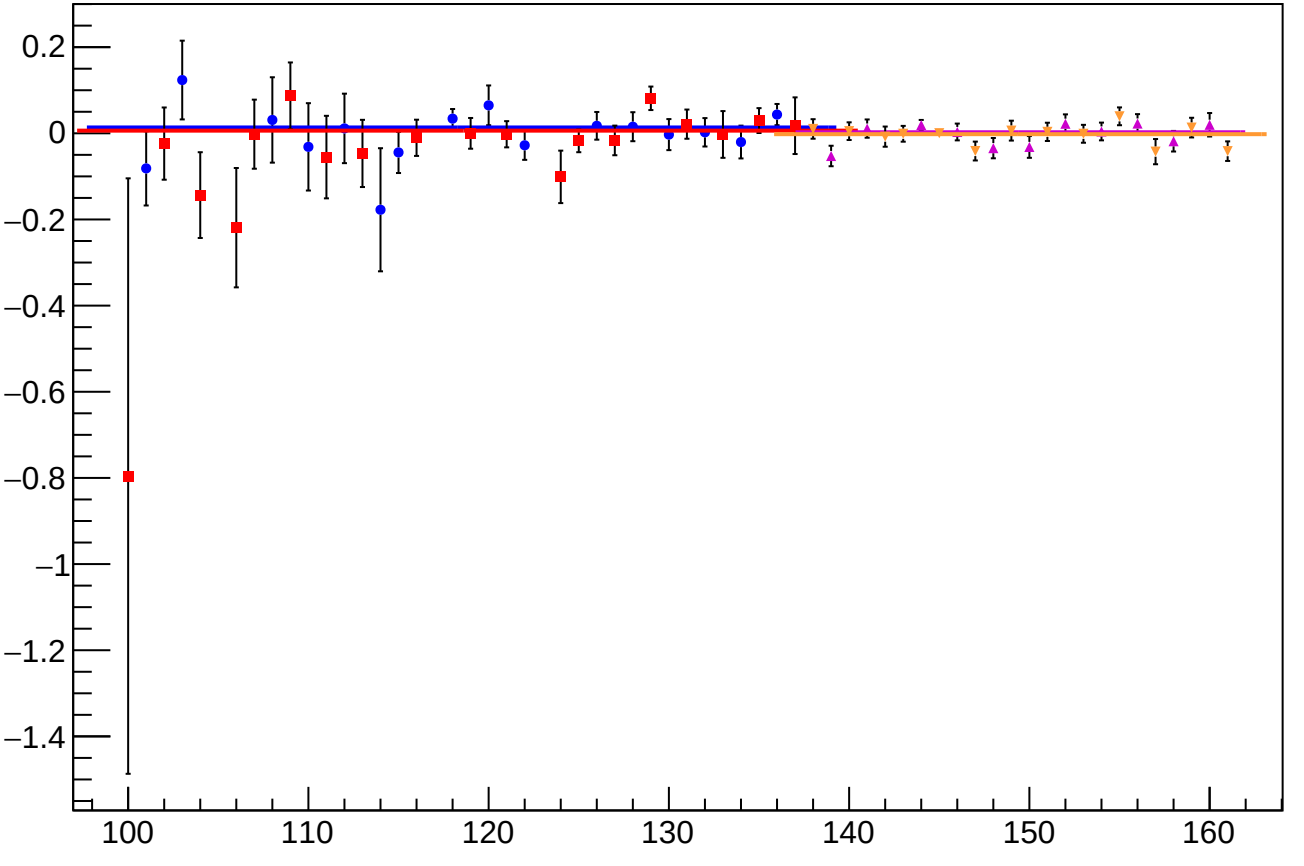
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.148+/-0.004 χ^2/NDF:4124393.5/26

Out: 18.440+/-0.003 χ^2/NDF:4997654.9/31

All: 18.770+/-0.003 χ^2/NDF: 9142002.5/58

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:14.7/10

Left: 0.000+/-0.004 χ^2/NDF: 28.3/23

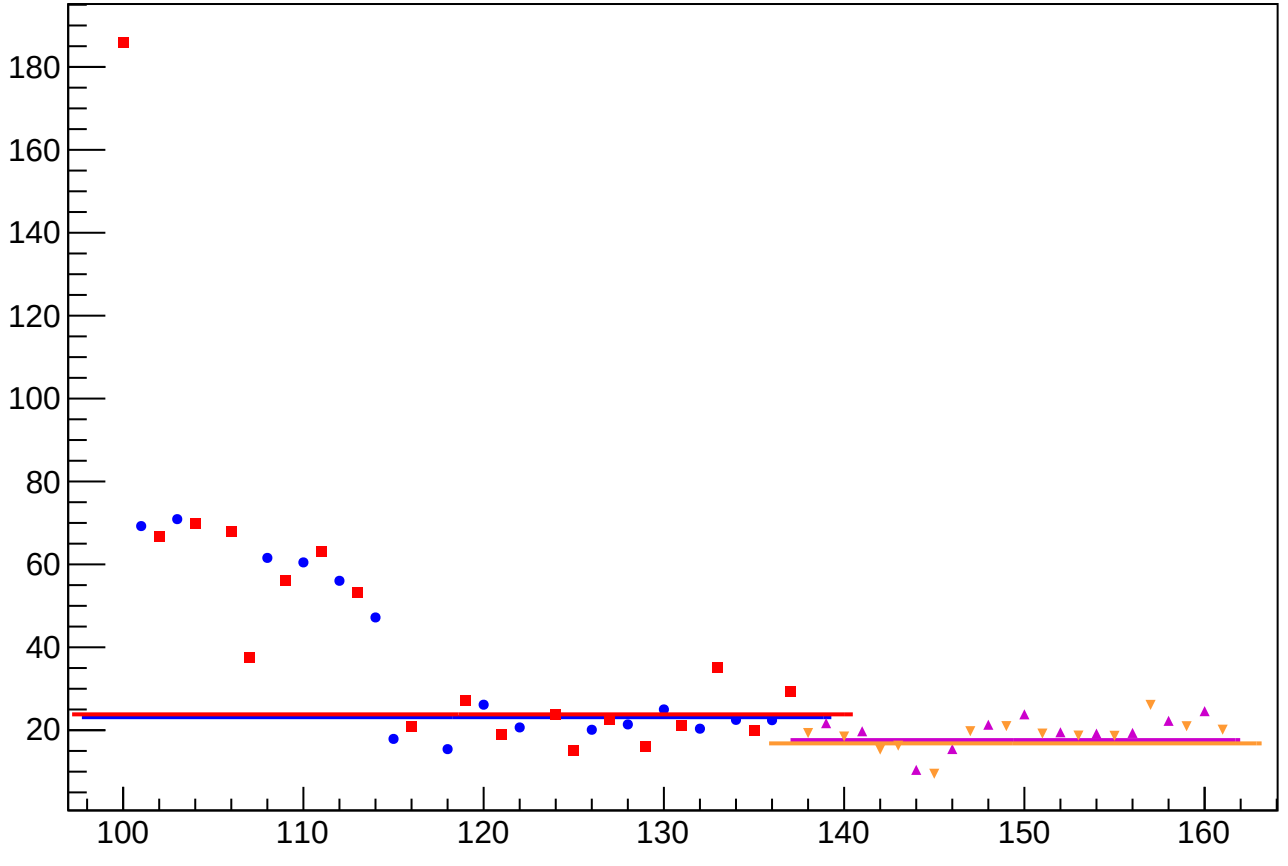
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.005 χ^2/NDF:27.9/26

Out: -0.000+/-0.005 χ^2/NDF:35.3/31

All: 0.003+/-0.004 χ^2/NDF: 63.8/58

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354631.6/12

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

Left: 17.177+/-0.003 χ^2/NDF: 2635290.1/23

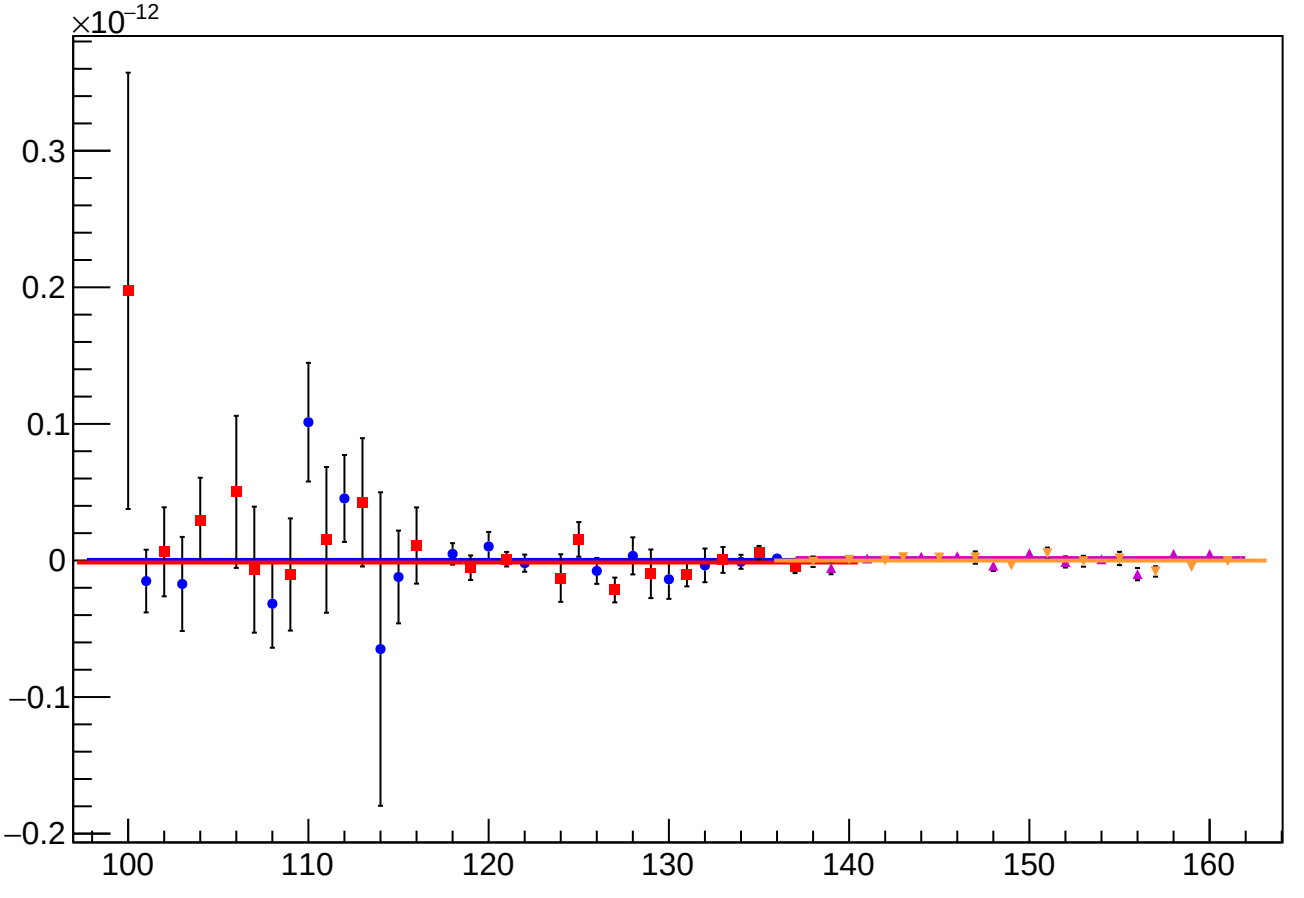
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.148+/-0.004 χ^2/NDF:4124393.5/26

Out: 18.440+/-0.003 χ^2/NDF:4997654.9/31

All: 18.770+/-0.003 χ^2/NDF: 9142002.5/58

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/10

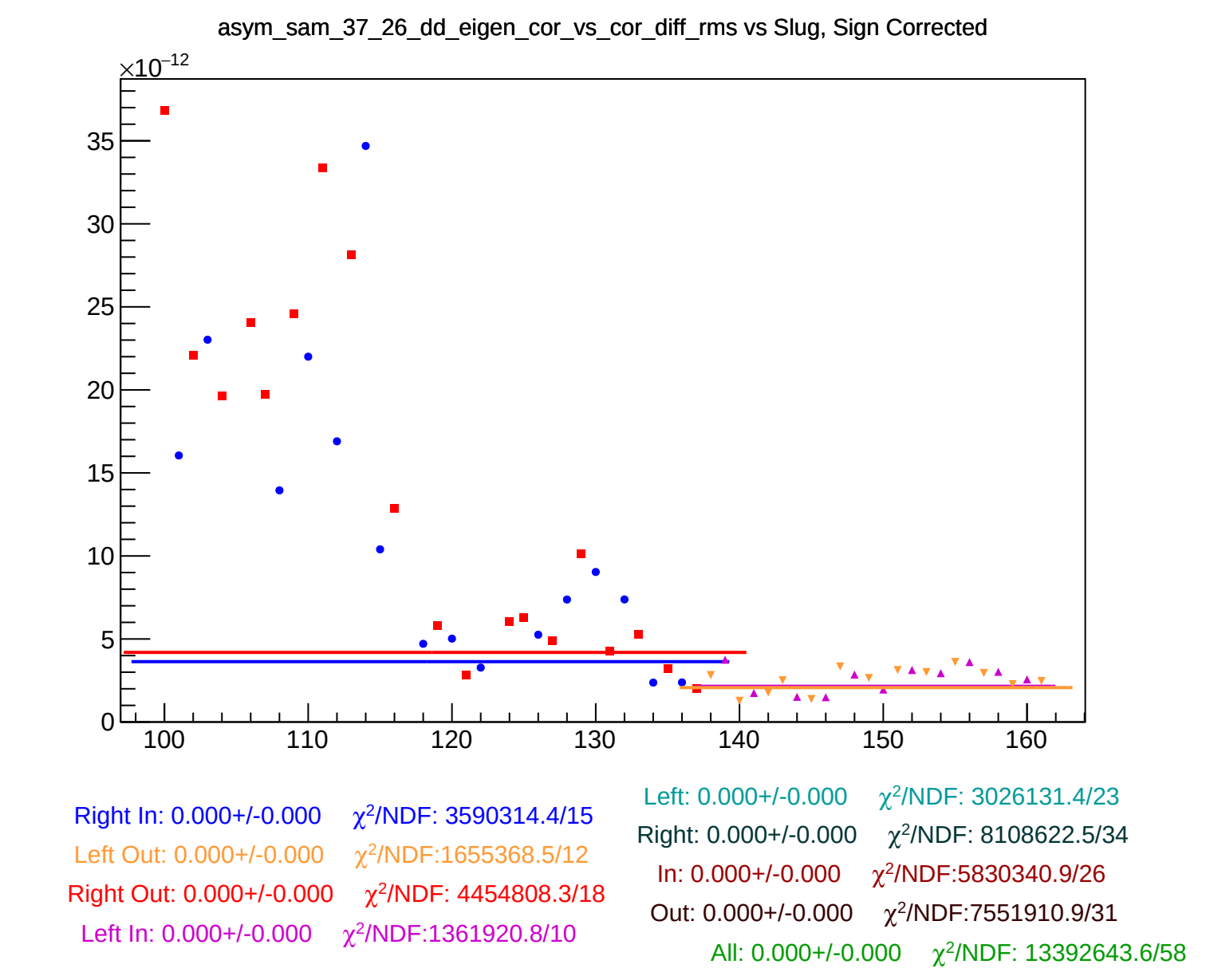
Left: 0.000+/-0.000 χ^2/NDF: 30.0/23

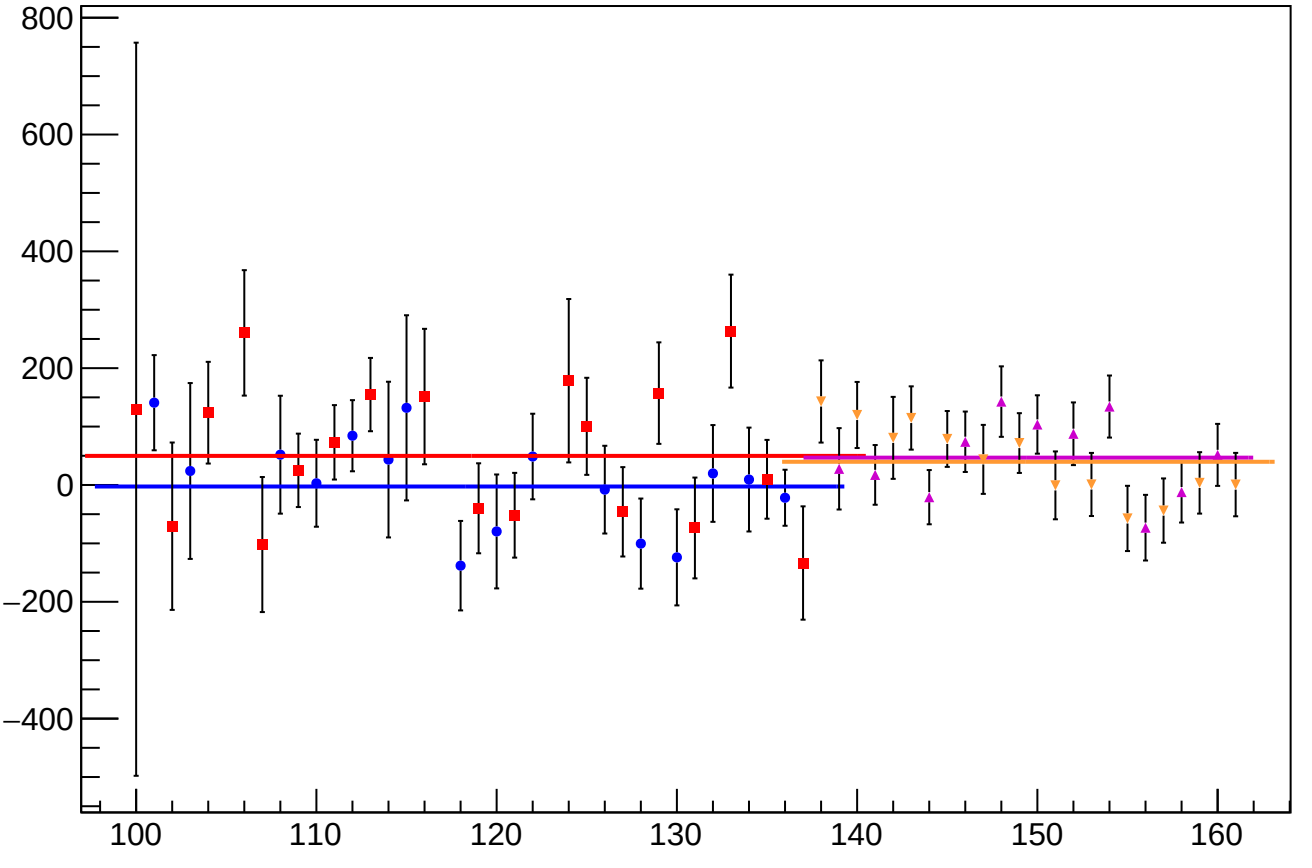
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:29.0/26

Out: -0.000+/-0.000 χ^2/NDF:27.9/31

All: 0.000+/-0.000 χ^2/NDF: 59.3/58


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1655368.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1361920.8/10
Left: 0.000+/-0.000 χ²/NDF: 3026131.4/23
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5830340.9/26
Out: 0.000+/-0.000 χ²/NDF:7551910.9/31
All: 0.000+/-0.000 χ²/NDF: 13392643.6/58



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 46.773+/-16.134 χ^2/NDF:15.8/10

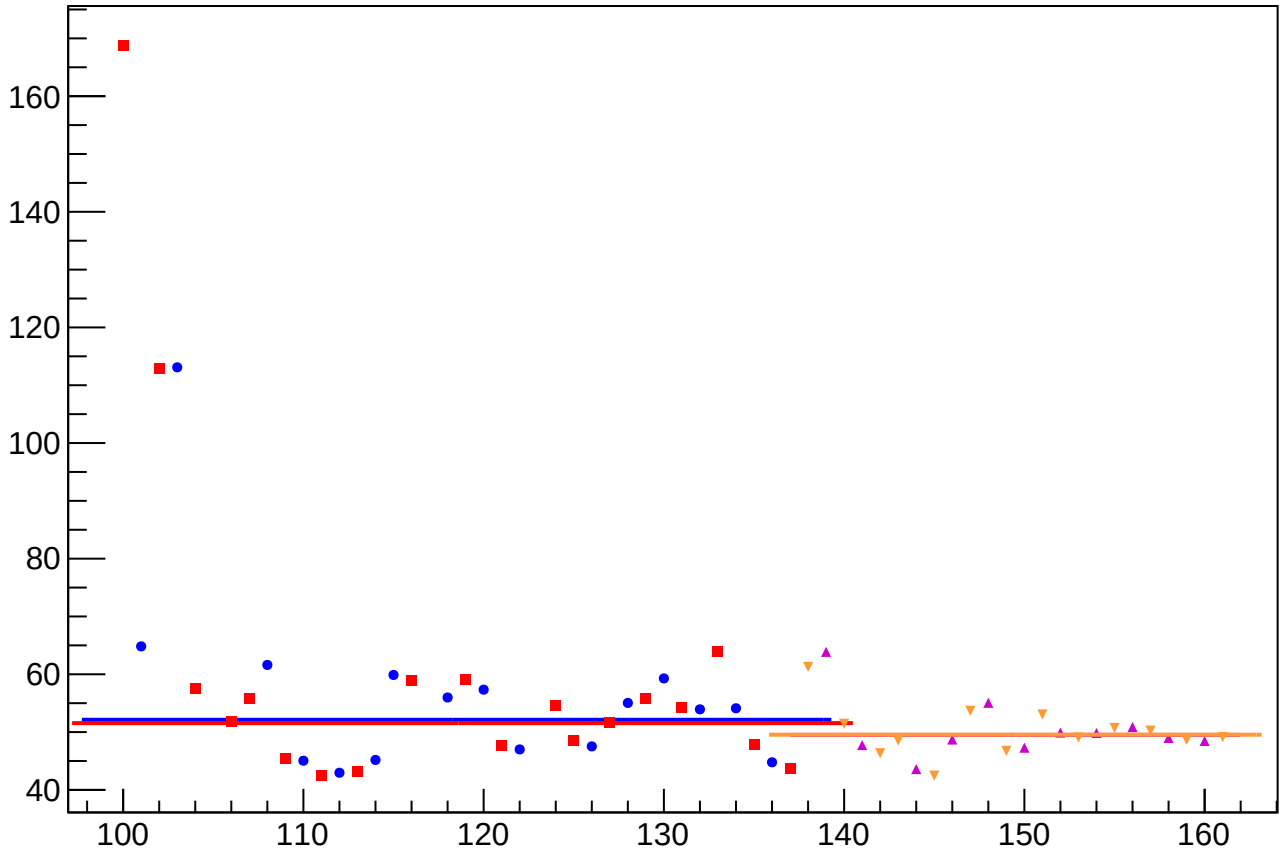
Left: 43.107+/-11.183 χ^2/NDF: 30.6/23

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 27.296+/-12.556 χ^2/NDF:34.0/26

Out: 43.600+/-12.170 χ^2/NDF:44.3/31

All: 35.703+/-8.739 χ^2/NDF: 79.2/58



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

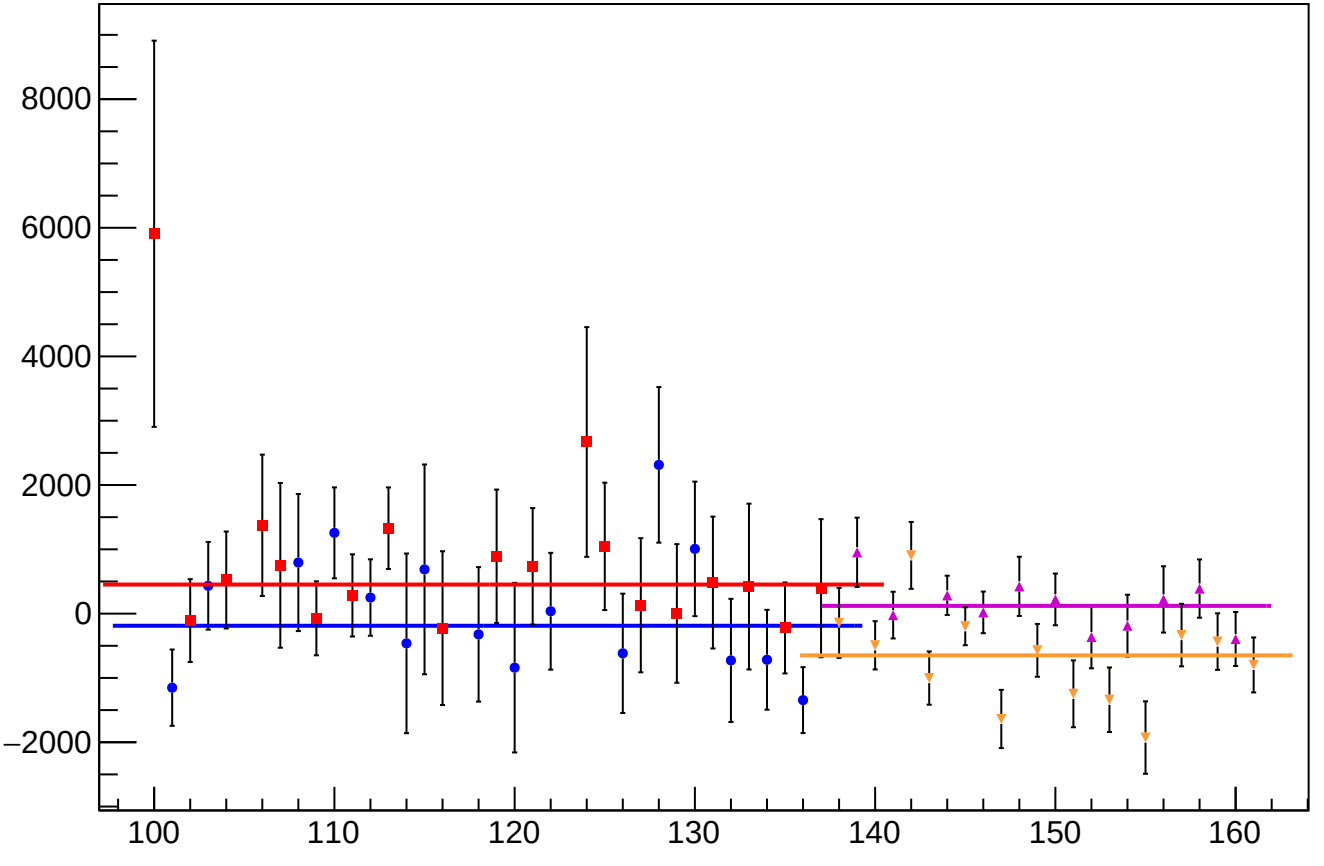
Left: 49.534+/-0.008 χ^2/NDF: 274990.6/23

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.548+/-0.009 χ^2/NDF:727056.9/26

Out: 50.318+/-0.009 χ^2/NDF:783862.5/31

All: 50.429+/-0.006 χ^2/NDF: 1511265.2/58



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -649.036+/-121.259 χ^2/NDF:27.0/12

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 120.573+/-123.996 χ^2/NDF:6.7/10

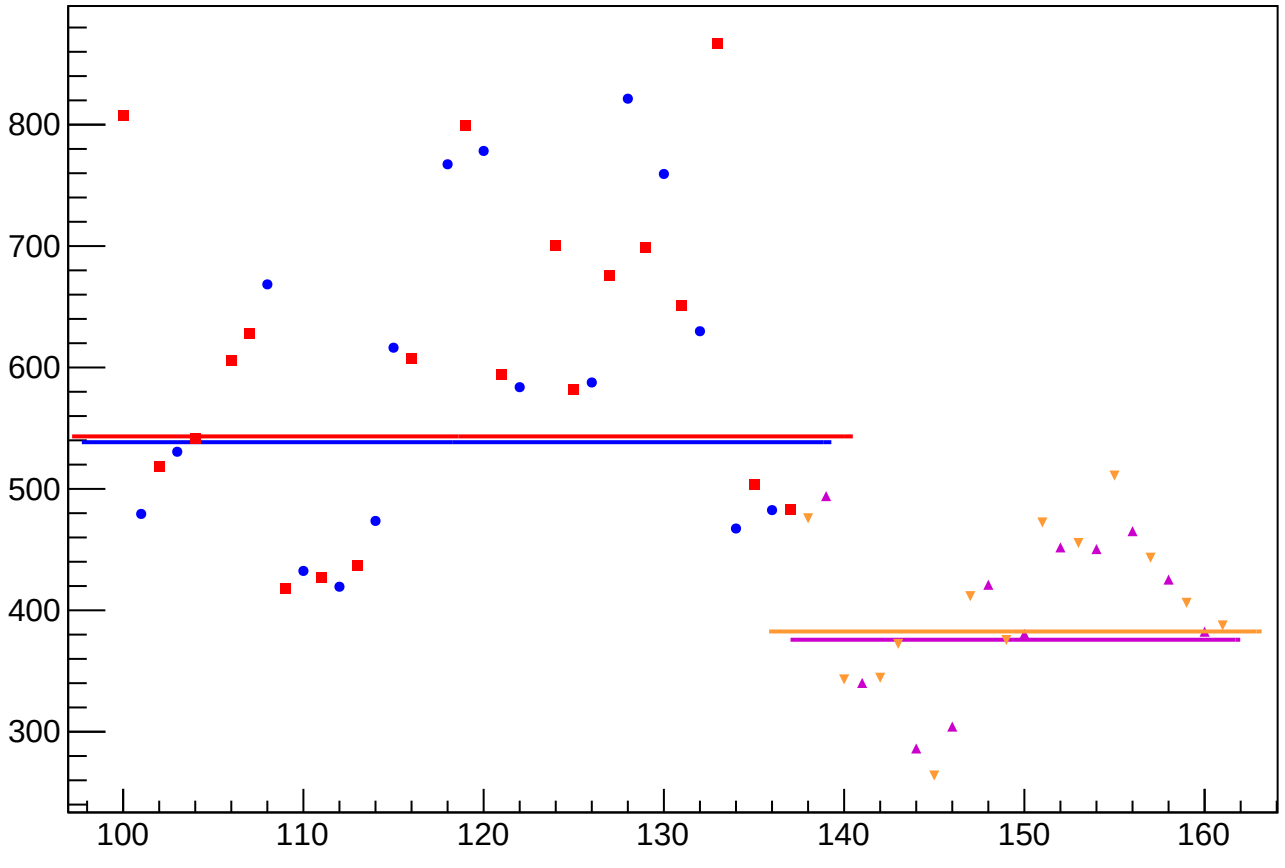
Left: -272.818+/-86.695 χ^2/NDF: 53.4/23

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 38.246+/-106.210 χ^2/NDF:29.7/26

Out: -361.268+/-104.224 χ^2/NDF:59.9/31

All: -165.279+/-74.390 χ^2/NDF: 96.8/58



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 382.580+/-0.086 χ^2/NDF:668380.3/12

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 375.772+/-0.088 χ^2/NDF:585997.4/10

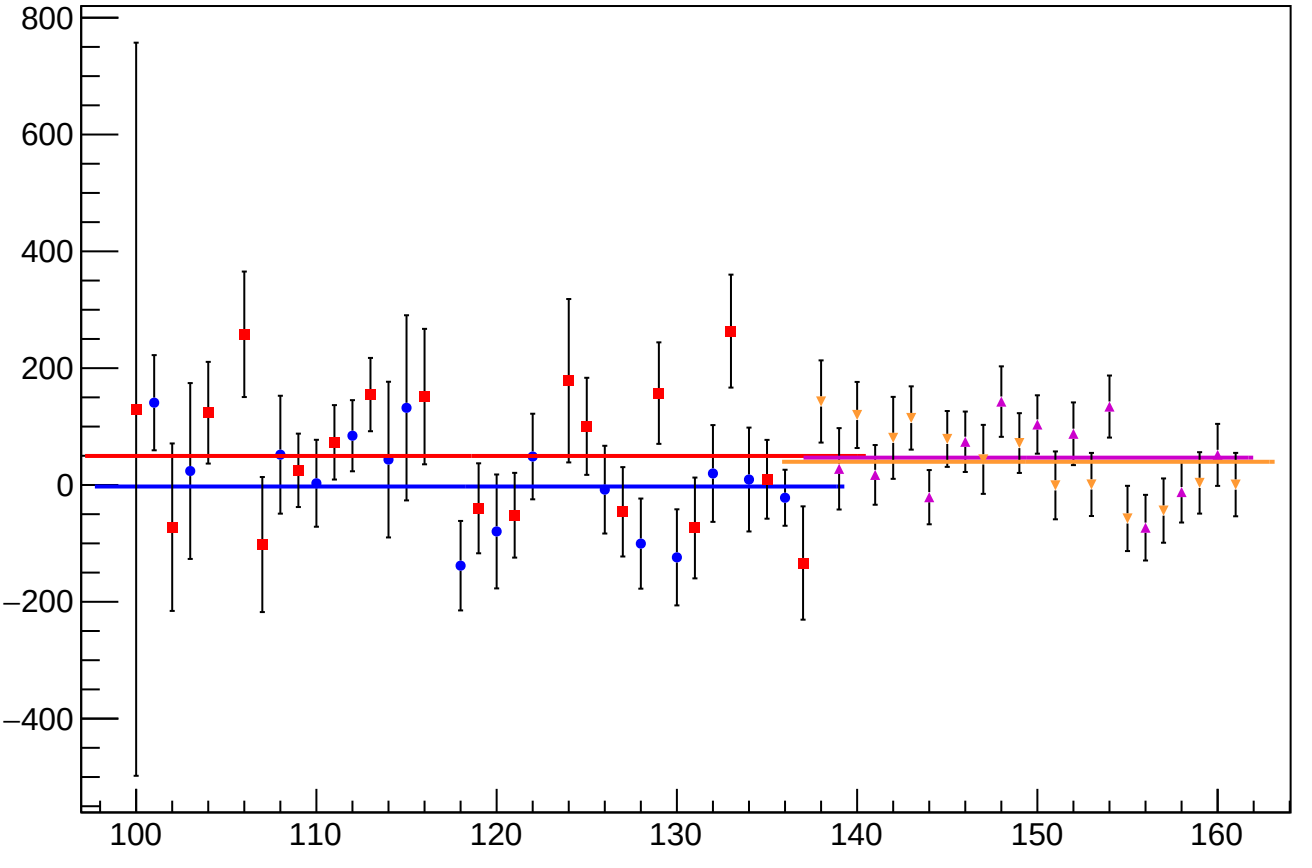
Left: 379.252+/-0.061 χ^2/NDF: 1257459.1/23

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 419.100+/-0.075 χ^2/NDF:2116964.6/26

Out: 424.550+/-0.074 χ^2/NDF:2222674.2/31

All: 421.876+/-0.053 χ^2/NDF: 4342321.6/58



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.774+/-16.134 χ^2/NDF:15.8/10

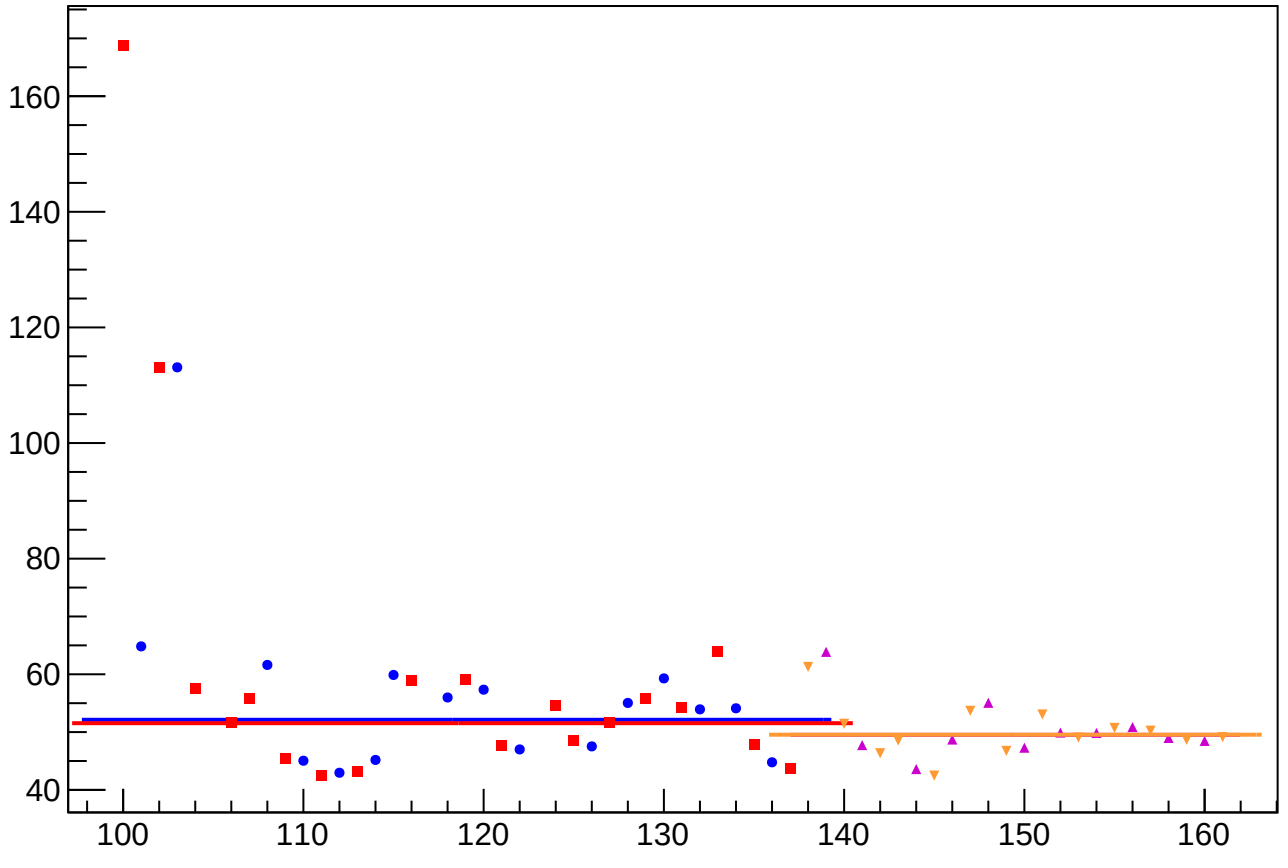
Left: 43.108+/-11.183 χ^2/NDF: 30.6/23

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.295+/-12.556 χ^2/NDF:34.0/26

Out: 43.556+/-12.170 χ^2/NDF:44.2/31

All: 35.679+/-8.739 χ^2/NDF: 79.1/58



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

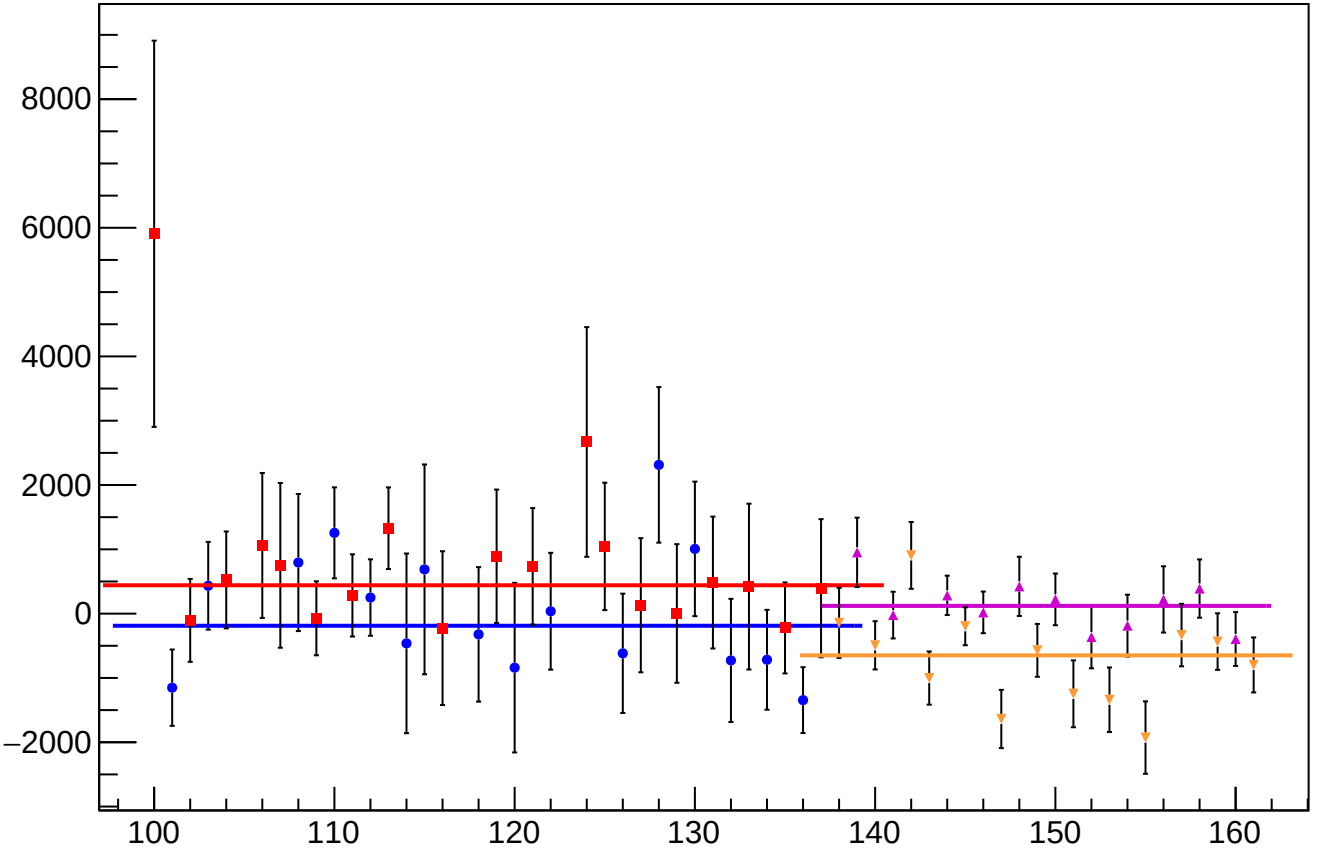
Left: 49.534+/-0.008 χ^2/NDF: 274990.6/23

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.548+/-0.009 χ^2/NDF:727059.2/26

Out: 50.314+/-0.009 χ^2/NDF:783950.3/31

All: 50.427+/-0.006 χ^2/NDF: 1511367.4/58



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -649.035+/-121.259 χ^2/NDF:27.0/12

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 120.576+/-123.996 χ^2/NDF:6.7/10

Left: -272.816+/-86.695 χ^2/NDF: 53.4/23

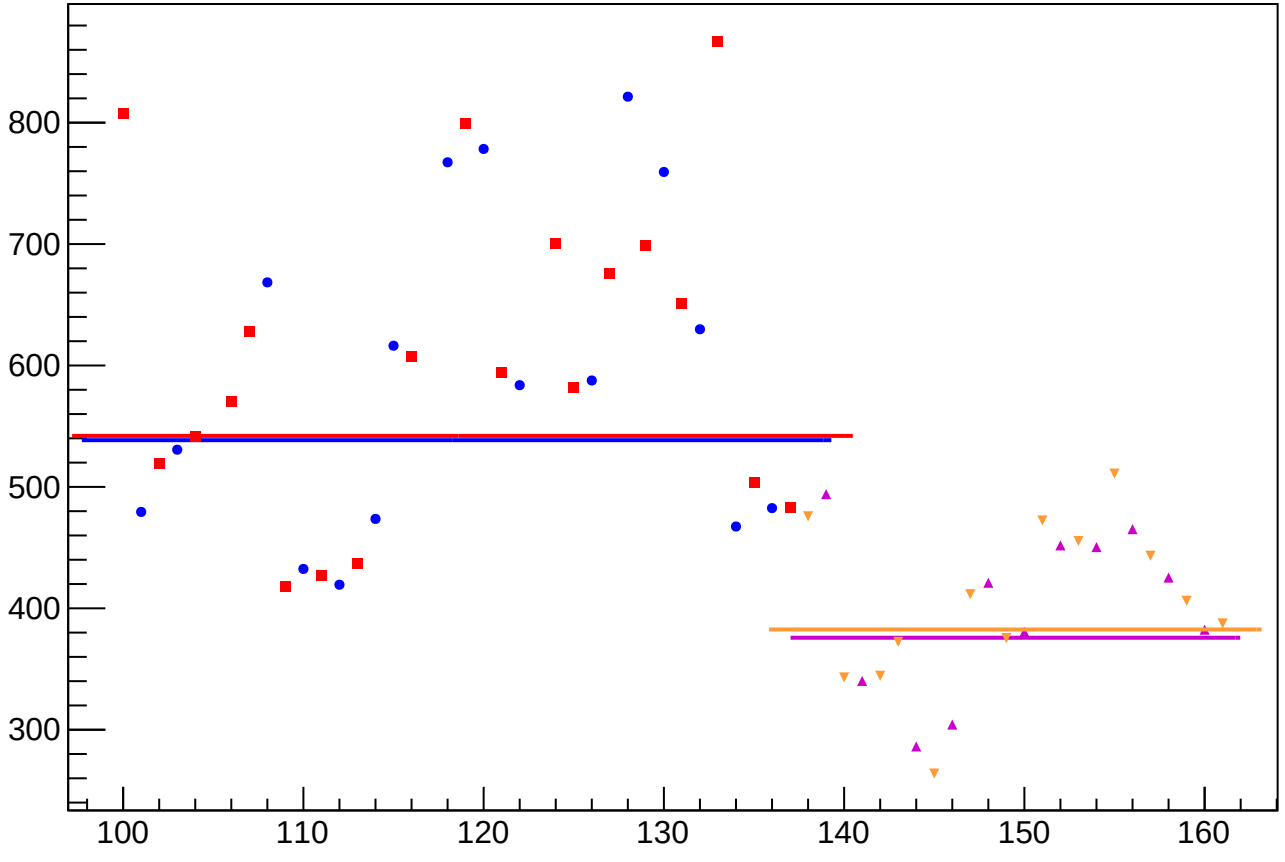
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 38.256+/-106.210 χ^2/NDF:29.7/26

Out: -364.635+/-104.250 χ^2/NDF:59.0/31

All: -166.941+/-74.399 χ^2/NDF: 96.0/58

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.580+/-0.086 χ^2/NDF:668383.8/12

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

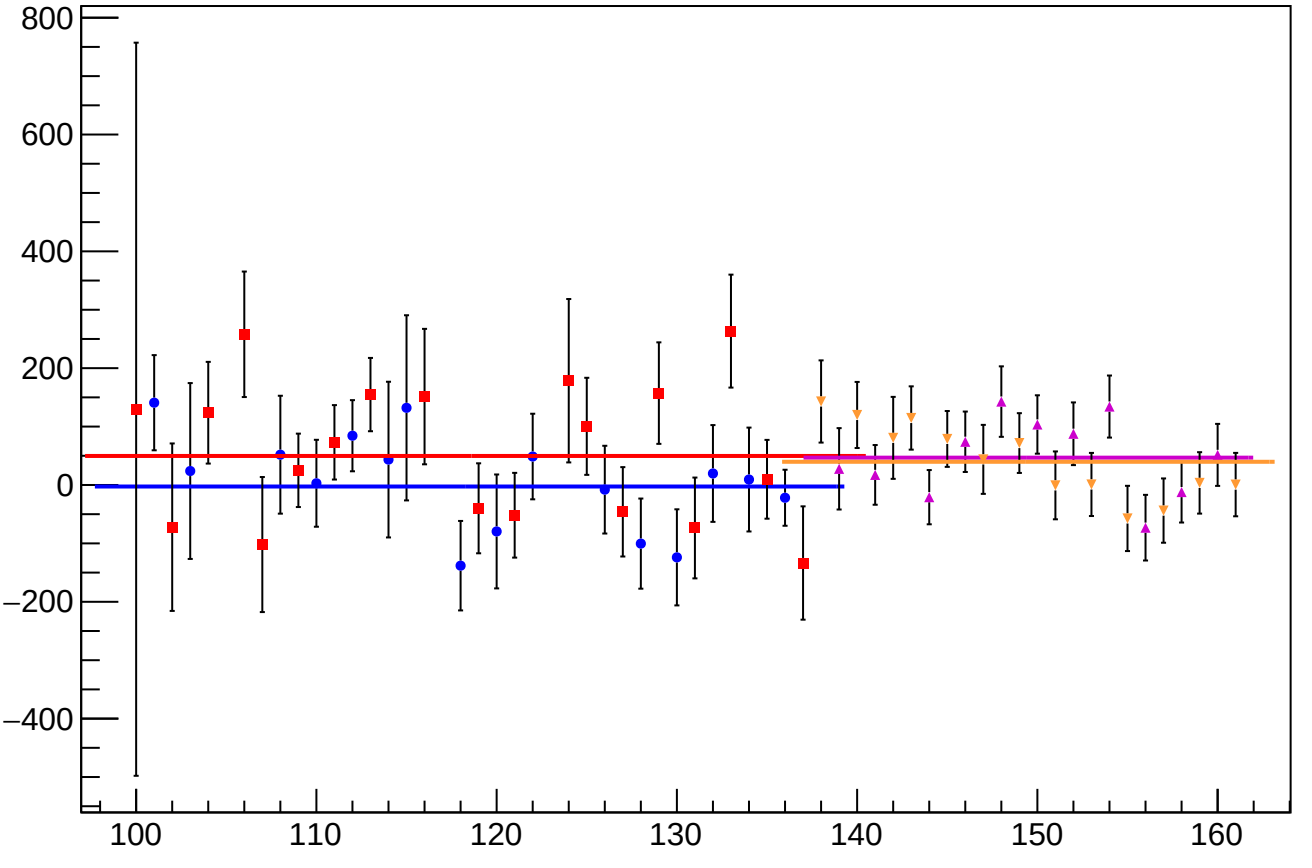
Left: 379.252+/-0.061 χ^2/NDF: 1257460.9/23

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.101+/-0.075 χ^2/NDF:2117006.5/26

Out: 424.174+/-0.074 χ^2/NDF:2202025.6/31

All: 421.684+/-0.053 χ^2/NDF: 4321356.1/58



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 46.774+/-16.134 χ^2/NDF:15.8/10

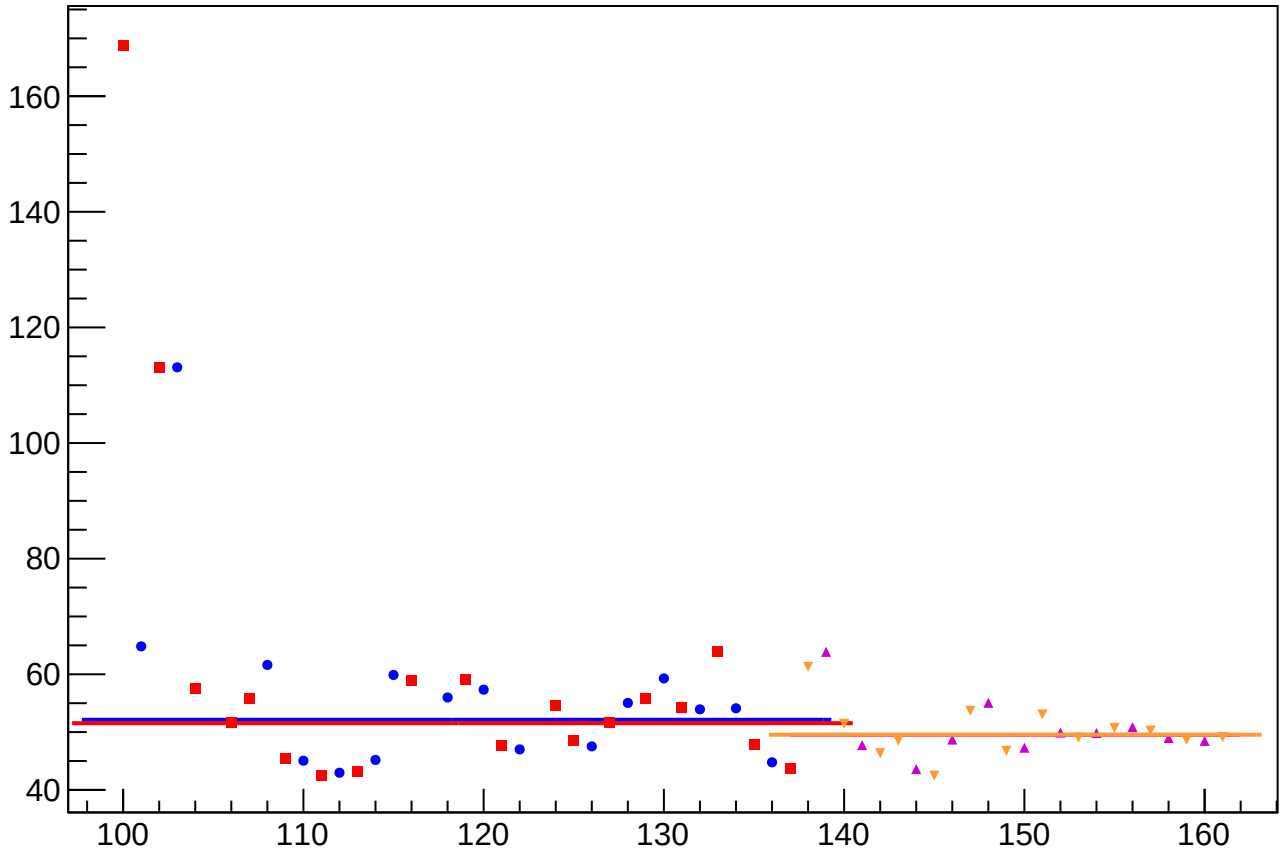
Left: 43.108+/-11.183 χ^2/NDF: 30.6/23

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.295+/-12.556 χ^2/NDF:34.0/26

Out: 43.556+/-12.170 χ^2/NDF:44.2/31

All: 35.679+/-8.739 χ^2/NDF: 79.1/58



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

Left: 49.534+/-0.008 χ^2/NDF: 274990.6/23

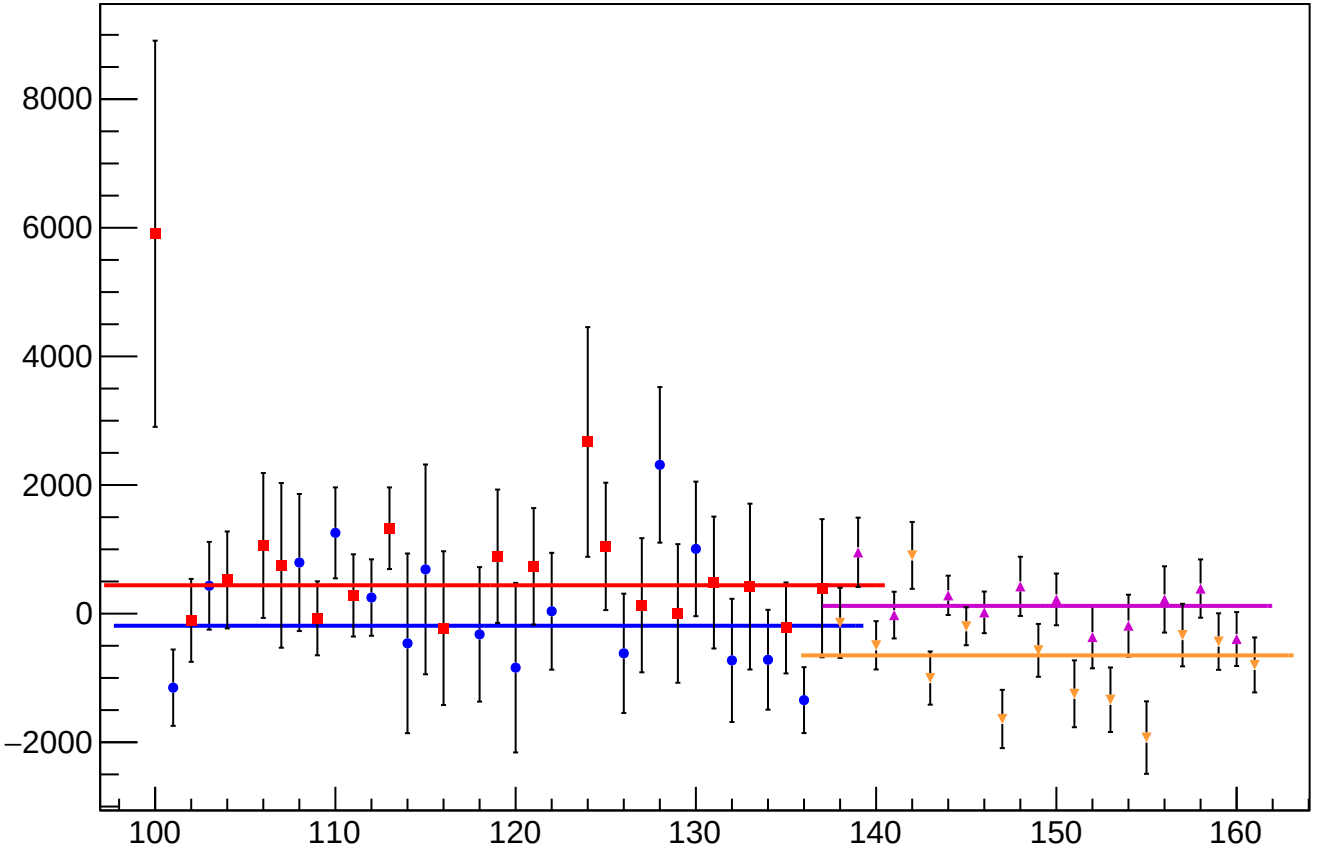
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.548+/-0.009 χ^2/NDF:727059.2/26

Out: 50.314+/-0.009 χ^2/NDF:783950.3/31

All: 50.427+/-0.006 χ^2/NDF: 1511367.4/58

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: -649.035+/-121.259 χ^2/NDF:27.0/12

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 120.576+/-123.996 χ^2/NDF:6.7/10

Left: -272.816+/-86.695 χ^2/NDF: 53.4/23

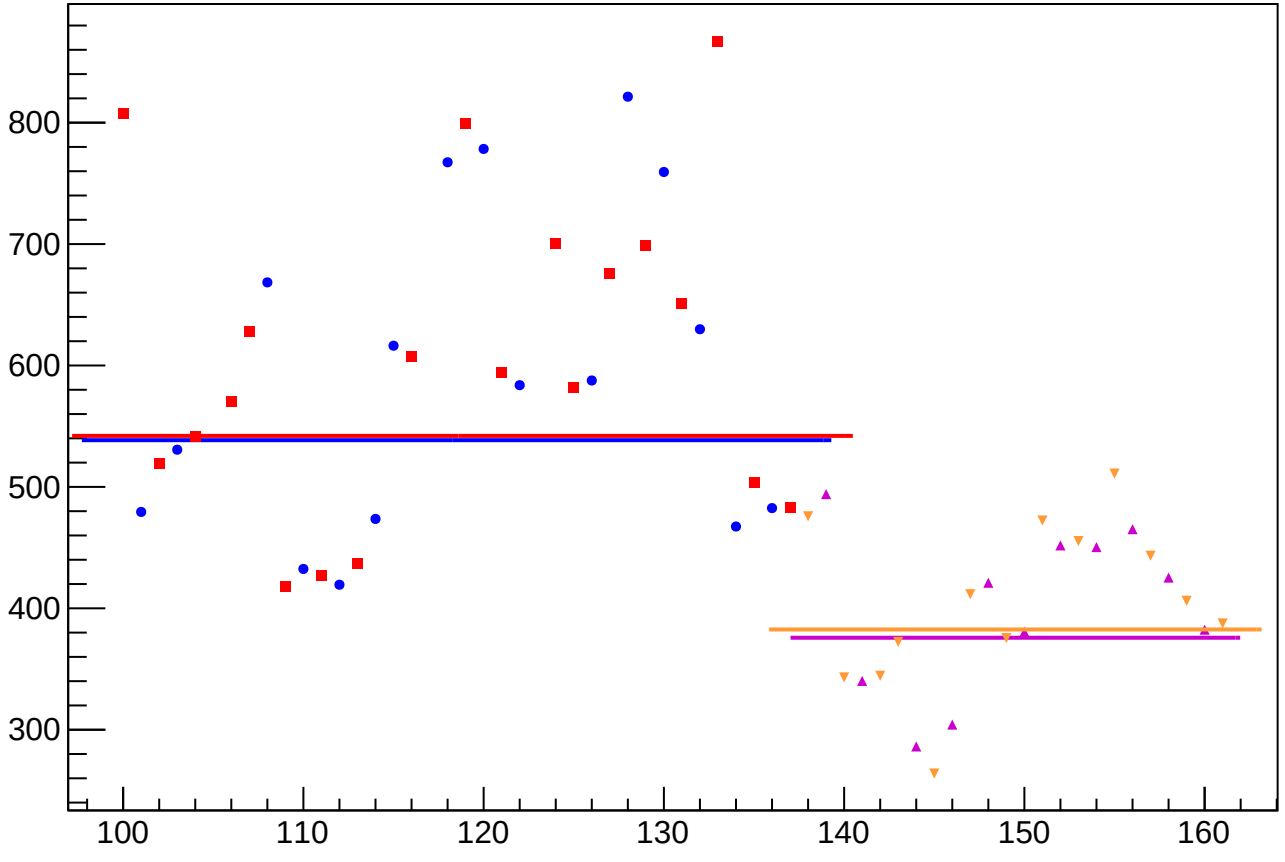
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 38.256+/-106.210 χ^2/NDF:29.7/26

Out: -364.635+/-104.250 χ^2/NDF:59.0/31

All: -166.941+/-74.399 χ^2/NDF: 96.0/58

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.580+/-0.086 χ^2/NDF:668383.8/12

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

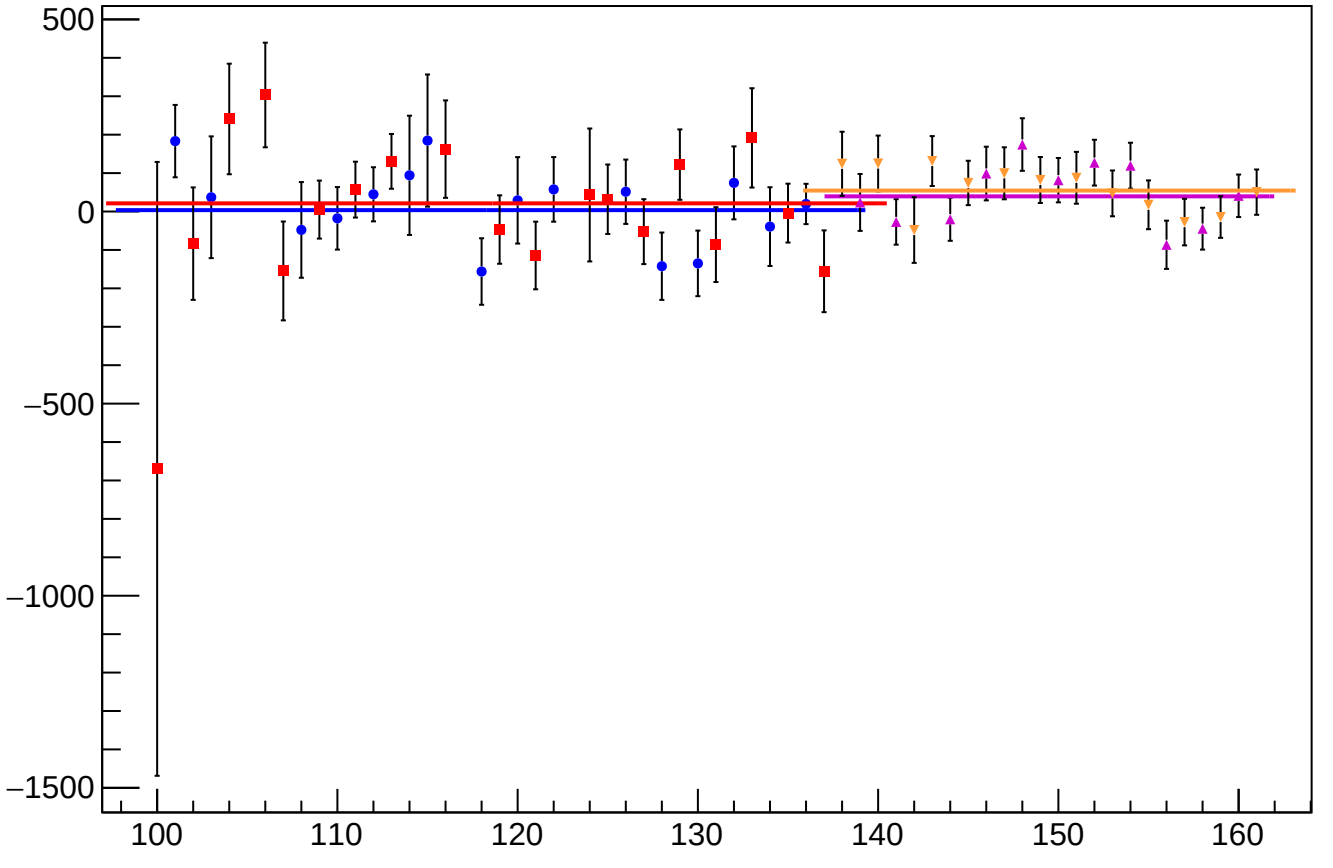
Left: 379.252+/-0.061 χ^2/NDF: 1257460.9/23

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.101+/-0.075 χ^2/NDF:2117006.5/26

Out: 424.174+/-0.074 χ^2/NDF:2202025.6/31

All: 421.684+/-0.053 χ^2/NDF: 4321356.1/58



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.571+/-17.807 χ^2/NDF:9.3/12

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.483+/-18.310 χ^2/NDF:17.9/10

Left: 47.237+/-12.765 χ^2/NDF: 27.6/23

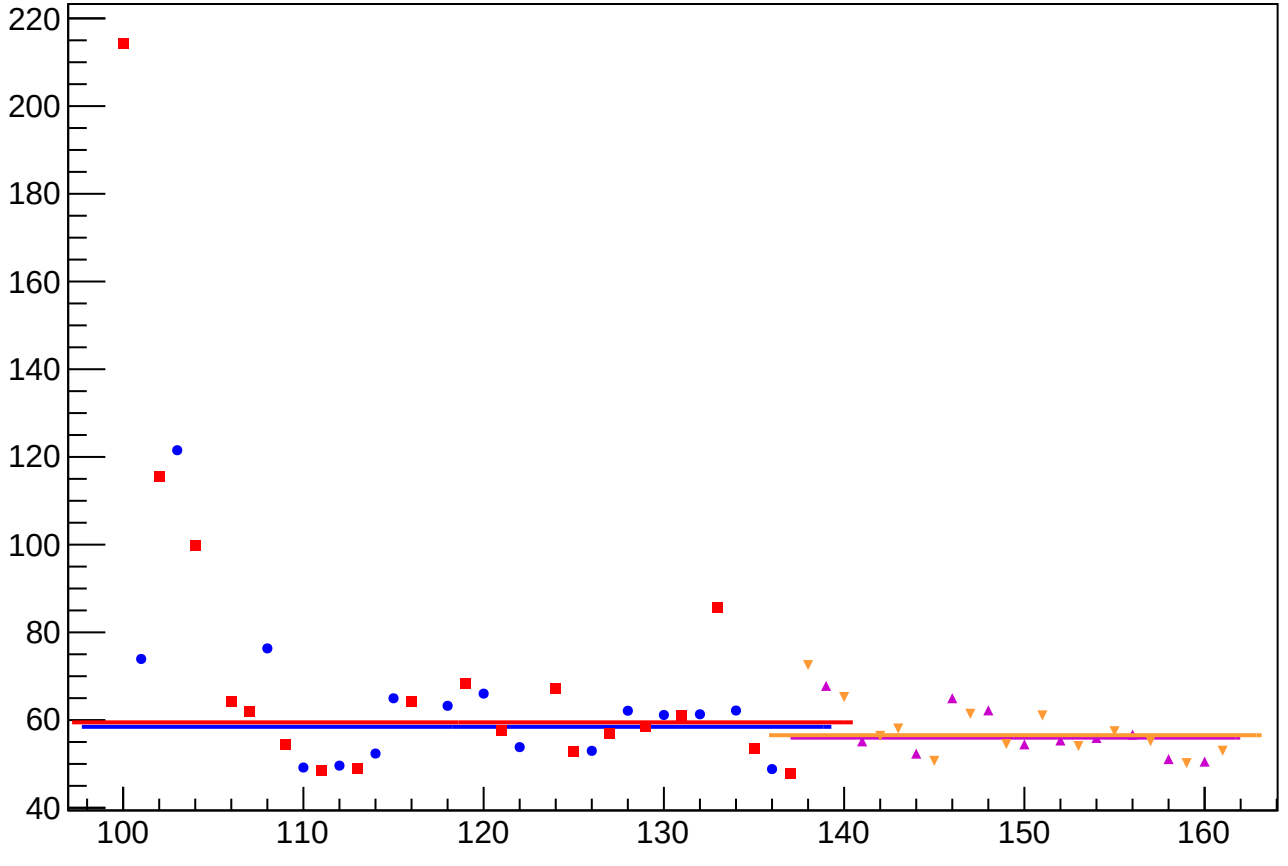
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 25.170+/-14.197 χ^2/NDF:35.6/26

Out: 41.927+/-14.026 χ^2/NDF:35.1/31

All: 33.650+/-9.978 χ^2/NDF: 71.4/58

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.548+/-0.013 χ^2/NDF:184925.3/12

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.000+/-0.013 χ^2/NDF:146794.5/10

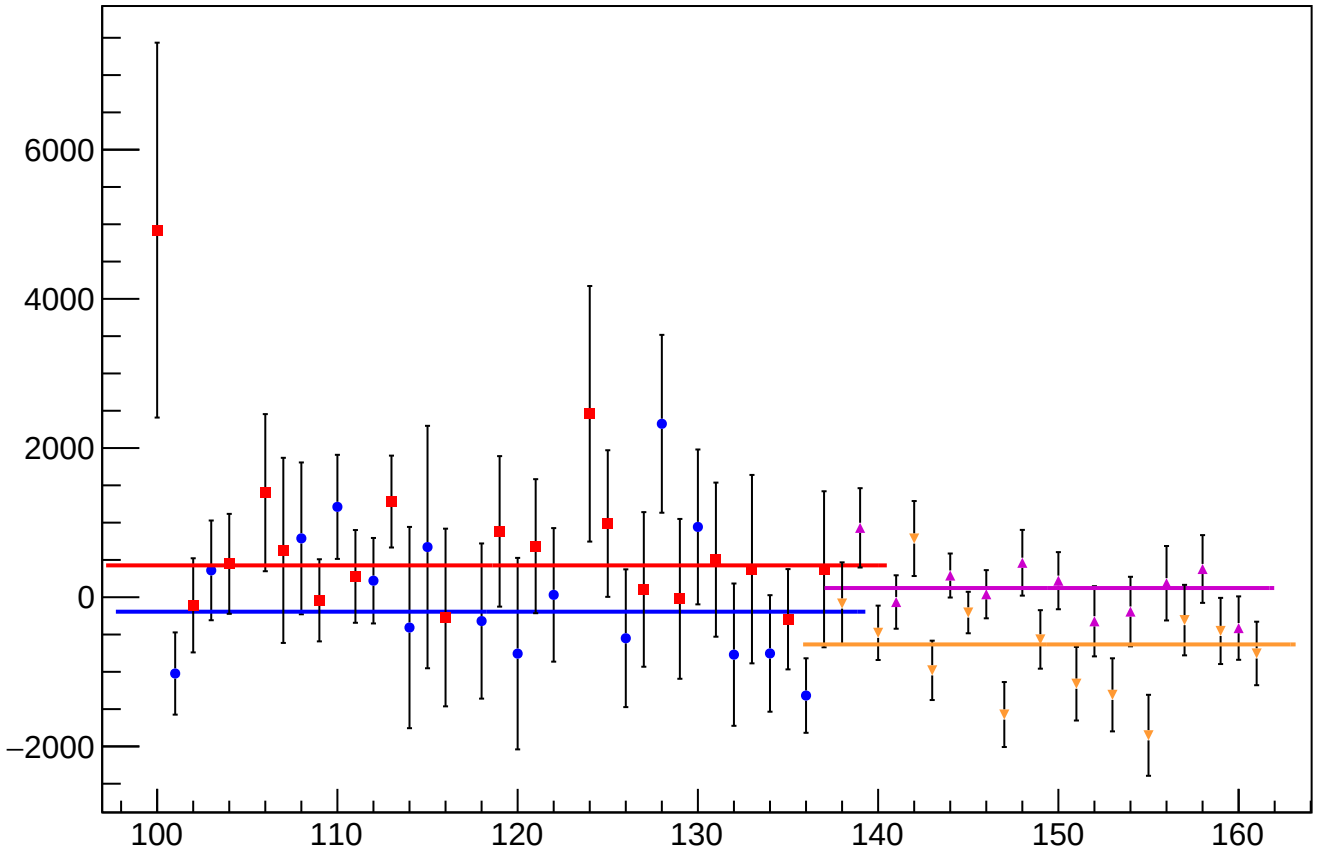
Left: 56.282+/-0.009 χ^2/NDF: 332642.4/23

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.983+/-0.010 χ^2/NDF:744243.3/26

Out: 57.662+/-0.010 χ^2/NDF:990437.0/31

All: 57.327+/-0.007 χ^2/NDF: 1736997.6/58



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -632.665+/-117.415 χ^2/NDF:25.8/12

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 123.350+/-121.371 χ^2/NDF:6.9/10

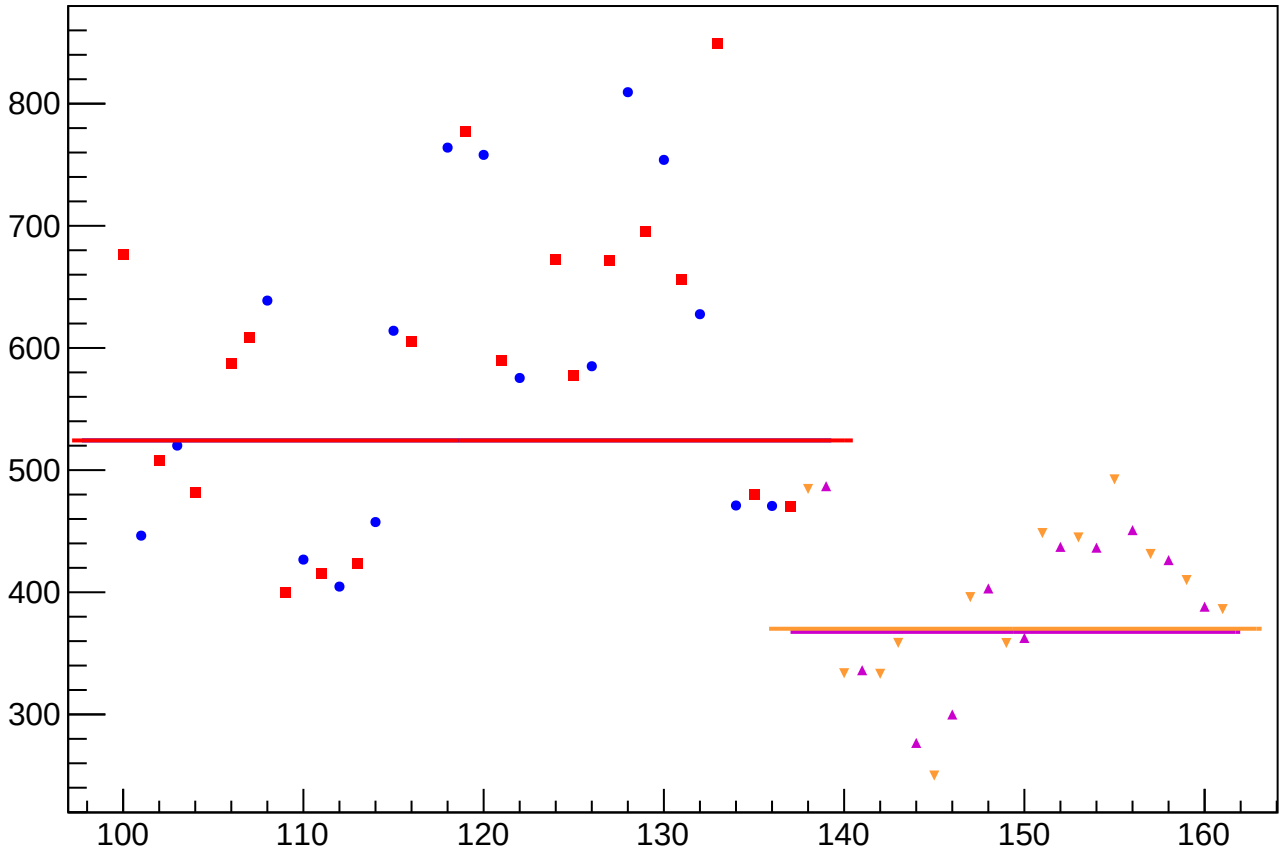
Left: -267.179+/-84.389 χ^2/NDF: 52.7/23

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 38.337+/-103.844 χ^2/NDF:29.5/26

Out: -354.922+/-100.860 χ^2/NDF:58.4/31

All: -164.023+/-72.351 χ^2/NDF: 95.3/58



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 370.142+/-0.083 χ^2/NDF:751768.2/12

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 367.571+/-0.086 χ^2/NDF:588302.7/10

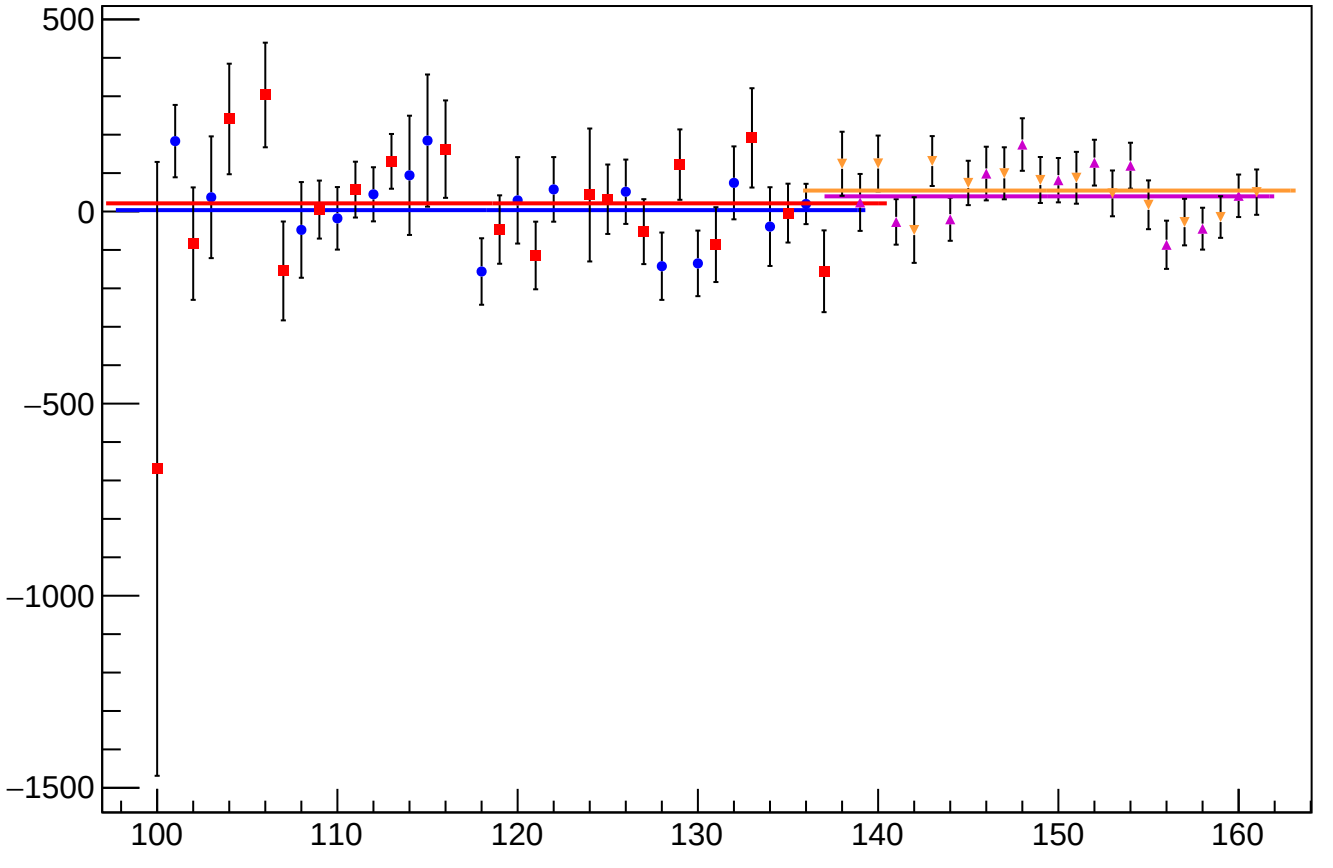
Left: 368.899+/-0.060 χ^2/NDF: 1340534.6/23

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 409.576+/-0.073 χ^2/NDF:2140772.9/26

Out: 410.550+/-0.071 χ^2/NDF:2341553.5/31

All: 410.077+/-0.051 χ^2/NDF: 4482416.9/58



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.573+/-17.807 χ^2/NDF:9.3/12

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.482+/-18.310 χ^2/NDF:17.9/10

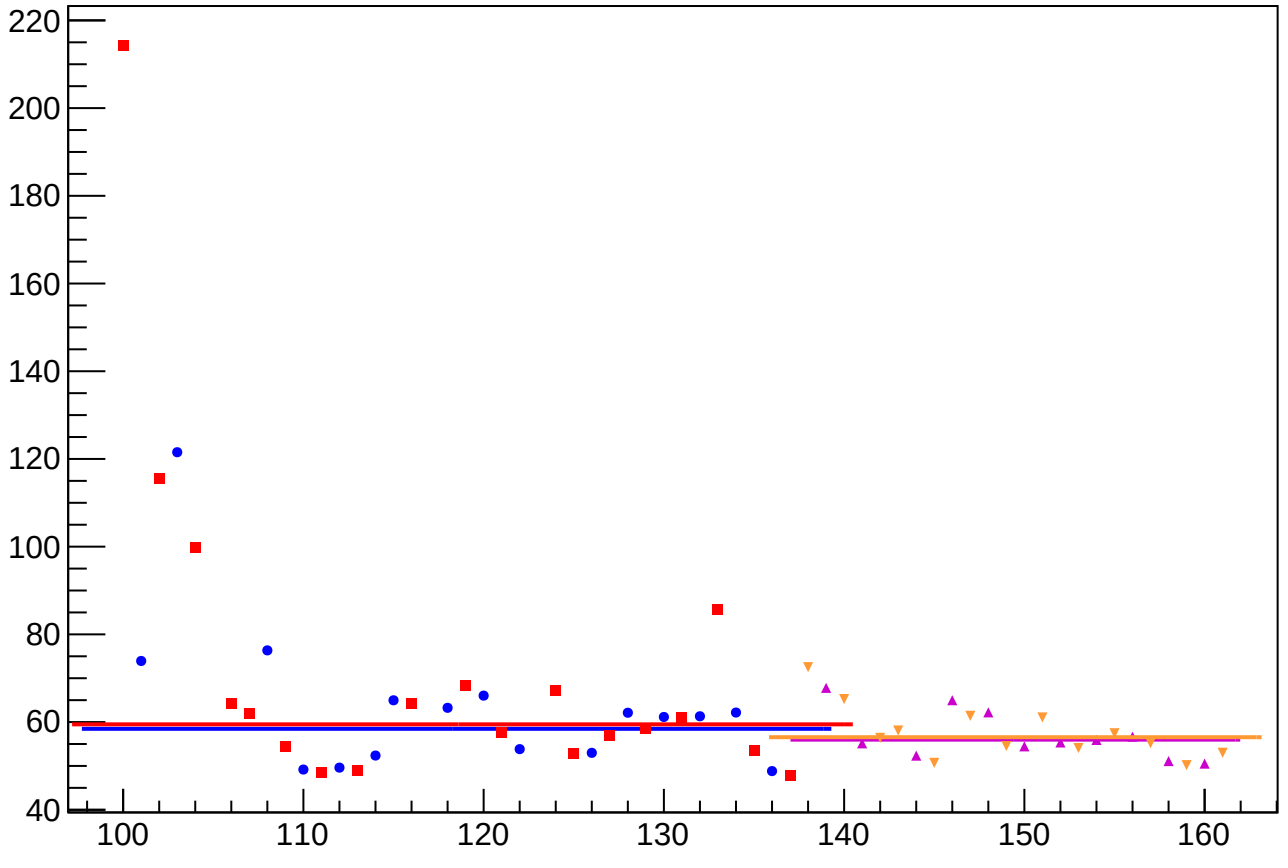
Left: 47.238+/-12.766 χ^2/NDF: 27.6/23

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 25.170+/-14.197 χ^2/NDF:35.6/26

Out: 41.927+/-14.026 χ^2/NDF:35.1/31

All: 33.650+/-9.978 χ^2/NDF: 71.4/58



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.549+/-0.013 χ^2/NDF:184930.5/12

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.000+/-0.013 χ^2/NDF:146797.0/10

Left: 56.282+/-0.009 χ^2/NDF: 332650.2/23

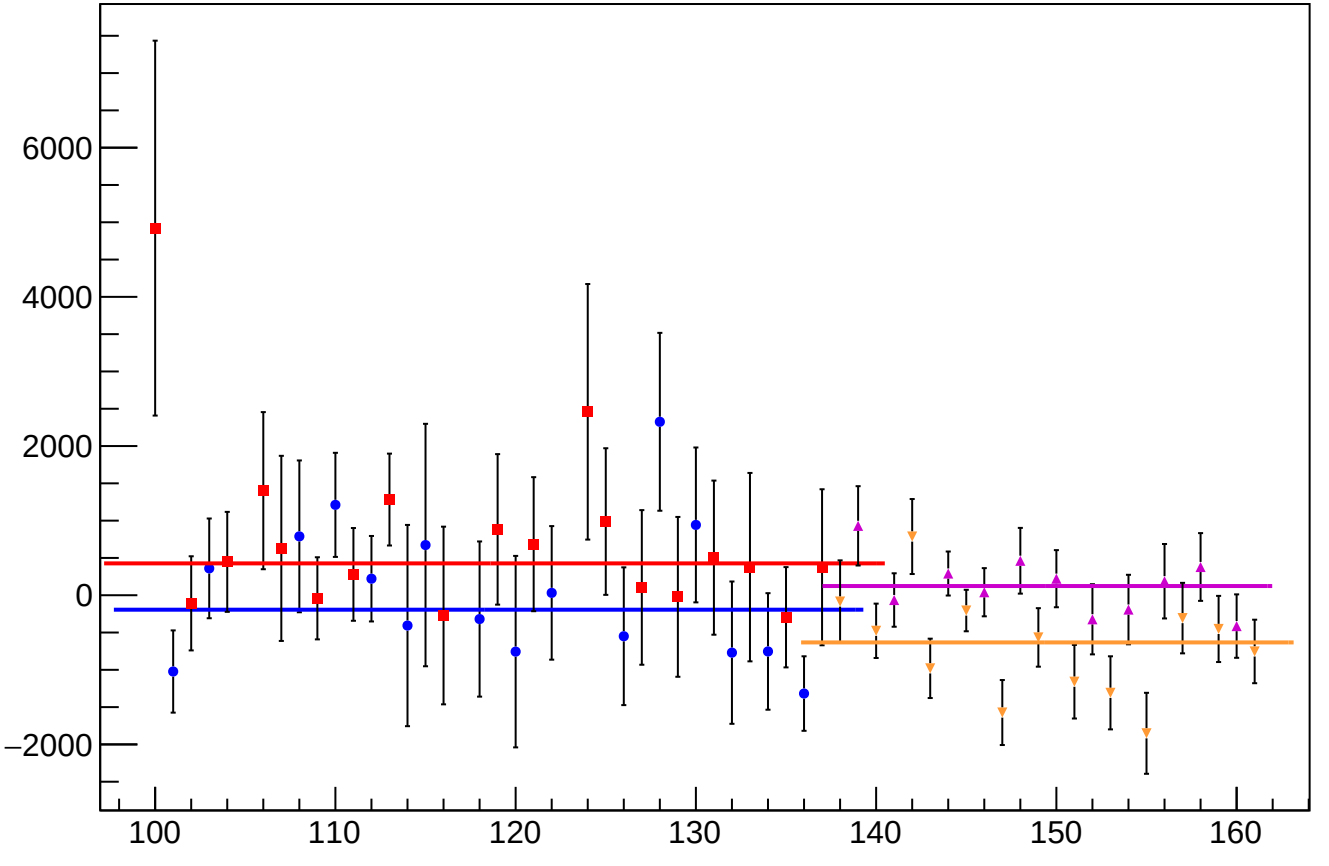
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.983+/-0.010 χ^2/NDF:744241.5/26

Out: 57.663+/-0.010 χ^2/NDF:990441.3/31

All: 57.327+/-0.007 χ^2/NDF: 1737000.2/58

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: -632.666+/-117.415 χ^2/NDF:25.8/12

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 123.349+/-121.371 χ^2/NDF:6.9/10

Left: -267.180+/-84.389 χ^2/NDF: 52.7/23

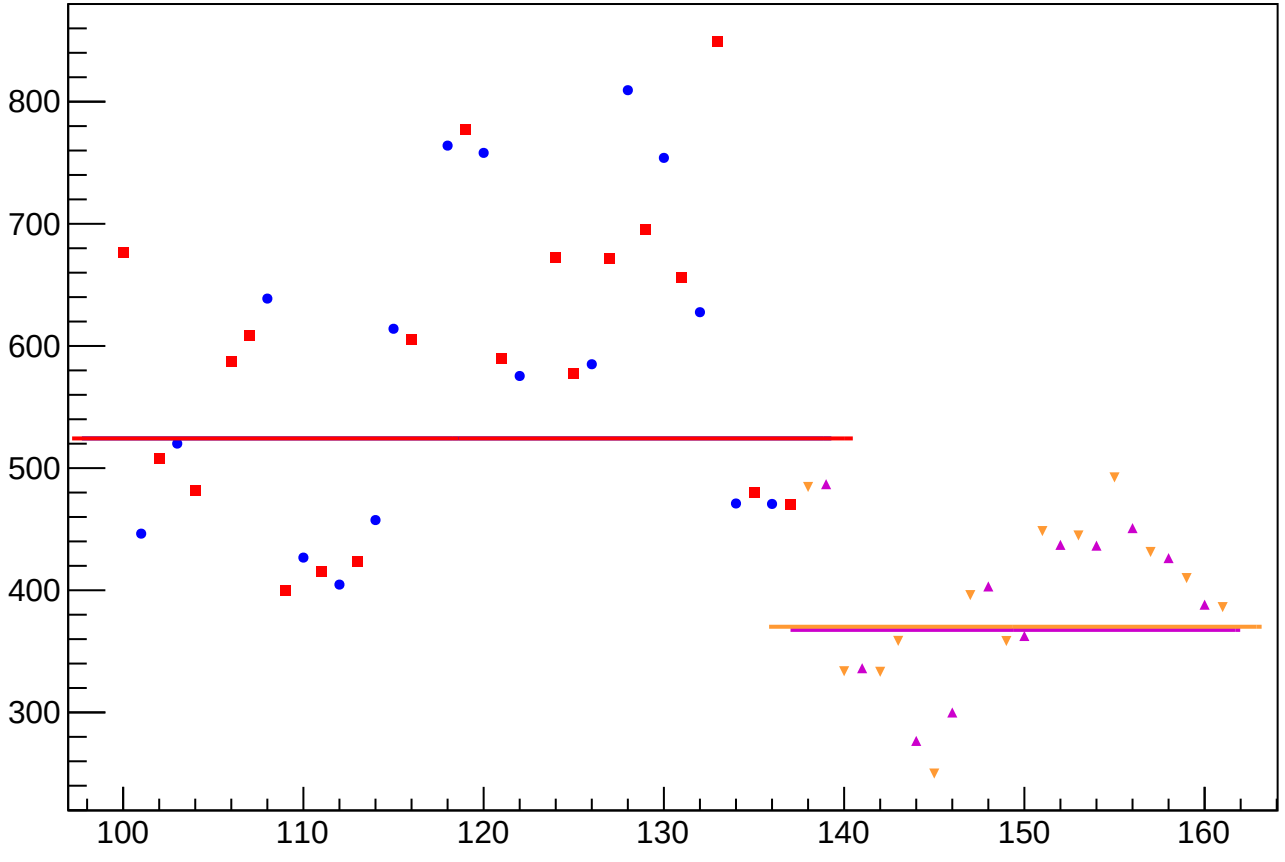
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 38.337+/-103.844 χ^2/NDF:29.5/26

Out: -354.922+/-100.860 χ^2/NDF:58.4/31

All: -164.023+/-72.351 χ^2/NDF: 95.3/58

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 370.142+/-0.083 χ^2/NDF:751765.2/12

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 367.570+/-0.086 χ^2/NDF:588299.6/10

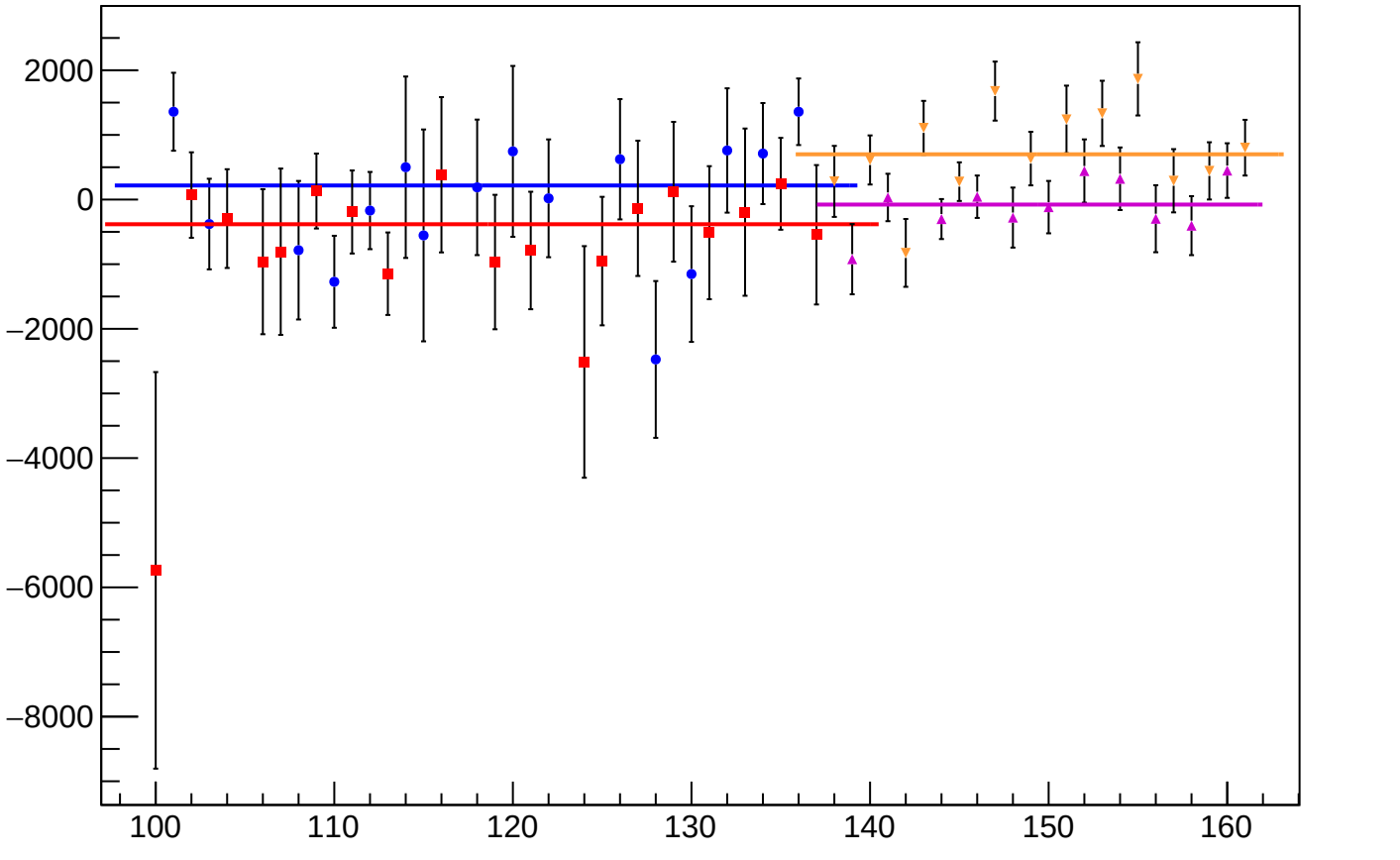
Left: 368.899+/-0.060 χ^2/NDF: 1340528.4/23

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 409.576+/-0.073 χ^2/NDF:2140768.1/26

Out: 410.550+/-0.071 χ^2/NDF:2341546.9/31

All: 410.077+/-0.051 χ^2/NDF: 4482405.6/58



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 700.180+/-122.346 χ^2/NDF:24.6/12

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -77.463+/-125.145 χ^2/NDF:7.4/10

Left: 320.150+/-87.484 χ^2/NDF: 51.8/23

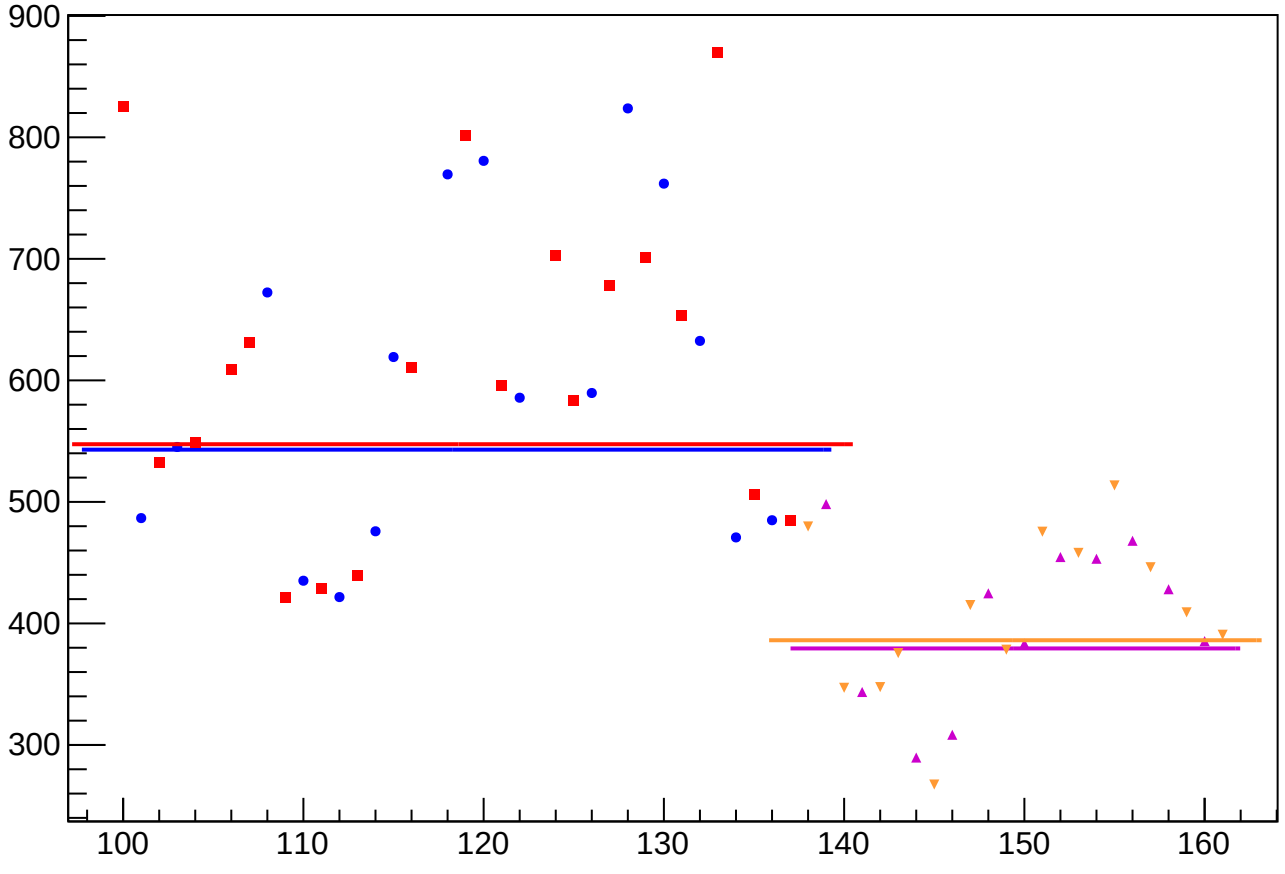
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 1.283+/-107.162 χ^2/NDF:31.8/26

Out: 417.196+/-105.137 χ^2/NDF:55.1/31

All: 213.207+/-75.049 χ^2/NDF: 94.5/58

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 386.169+/-0.087 χ^2/NDF:651830.3/12

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 379.421+/-0.088 χ^2/NDF:571353.3/10

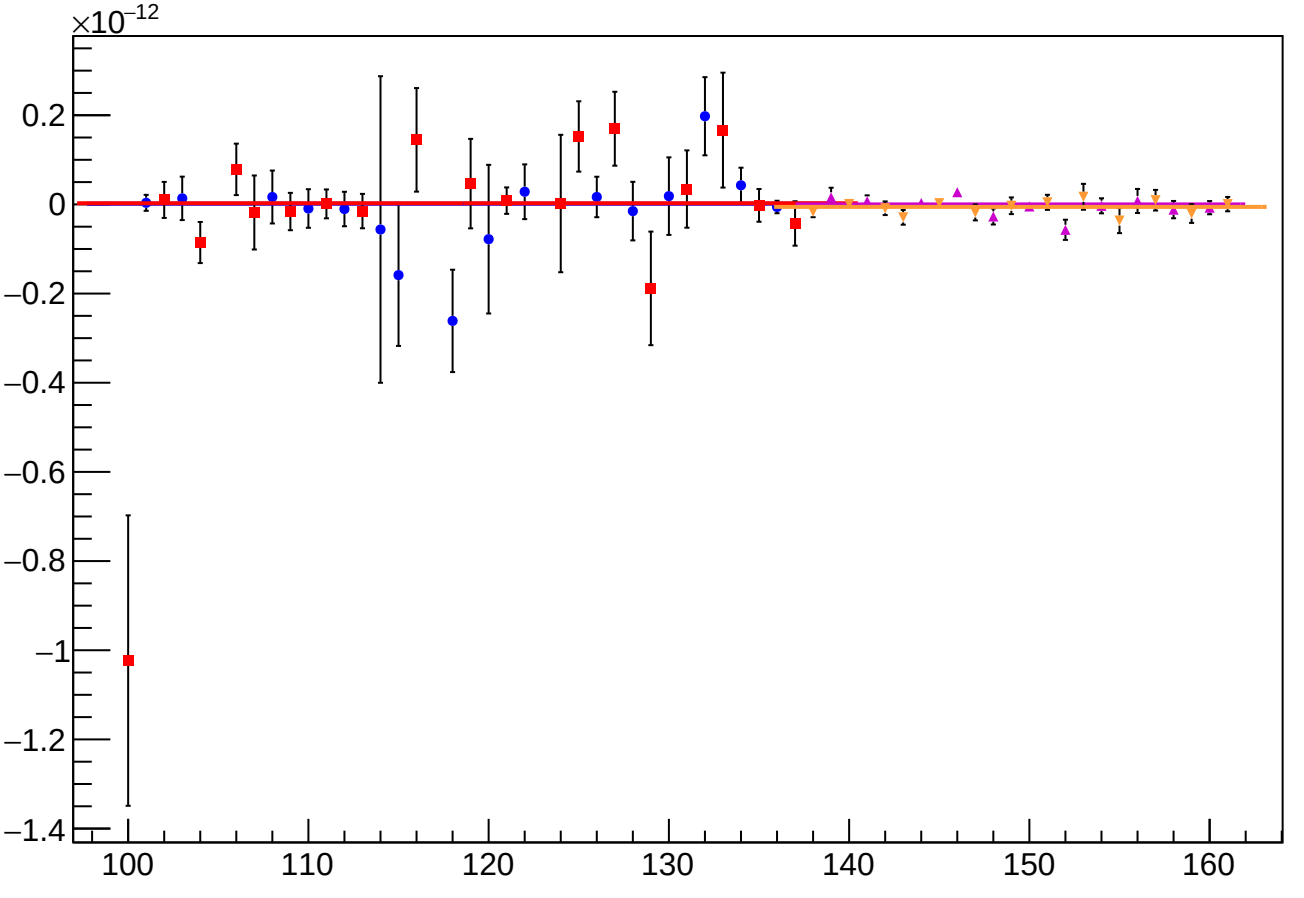
Left: 382.872+/-0.062 χ^2/NDF: 1226156.4/23

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.053+/-0.076 χ^2/NDF:2088041.2/26

Out: 428.353+/-0.074 χ^2/NDF:2191236.2/31

All: 425.754+/-0.053 χ^2/NDF: 4281770.3/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/10

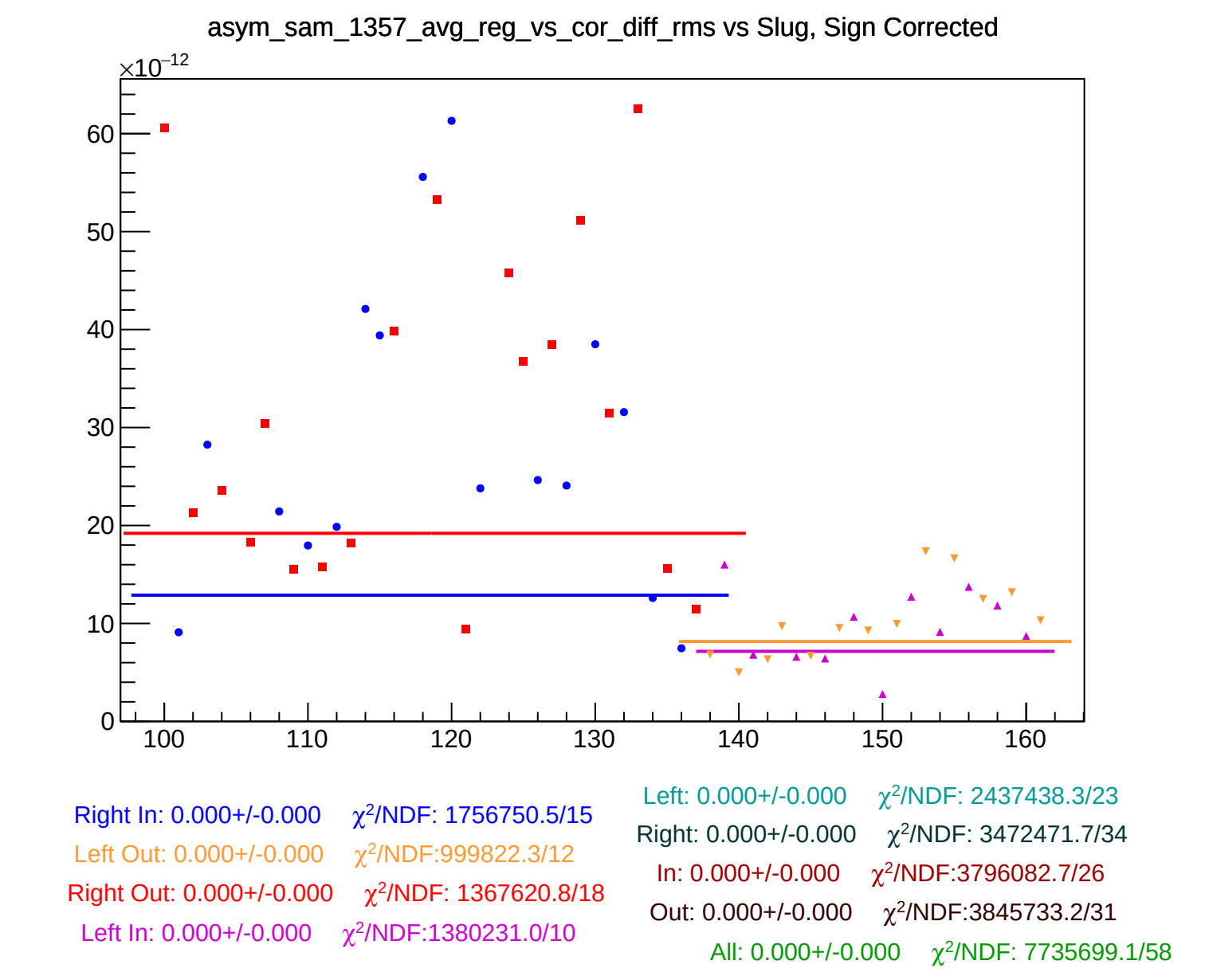
Left: -0.000+/-0.000 χ^2/NDF: 25.1/23

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

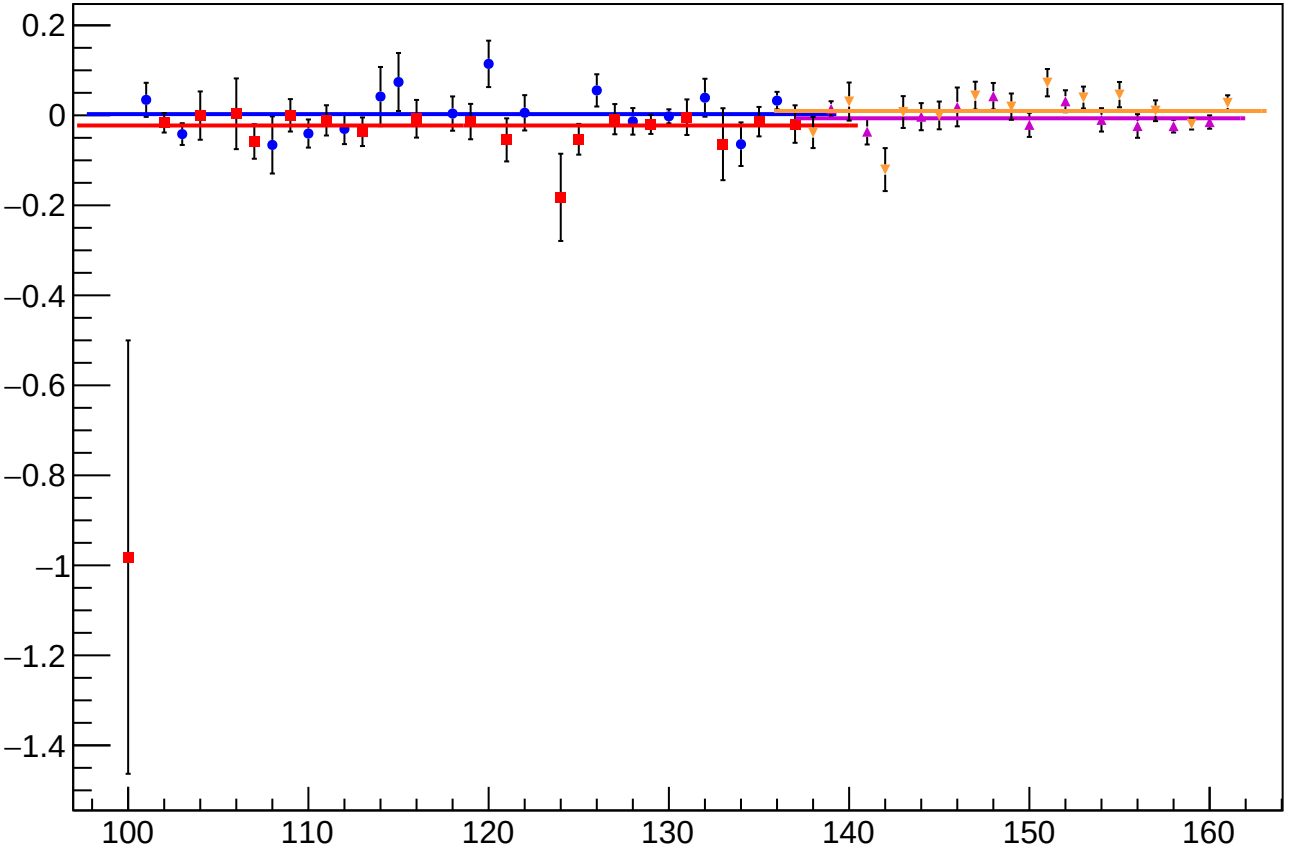
In: 0.000+/-0.000 χ^2/NDF:30.2/26

Out: -0.000+/-0.000 χ^2/NDF:38.2/31

All: -0.000+/-0.000 χ^2/NDF: 69.2/58


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:999822.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1380231.0/10
Left: 0.000+/-0.000 χ²/NDF: 2437438.3/23
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3796082.7/26
Out: 0.000+/-0.000 χ²/NDF:3845733.2/31
All: 0.000+/-0.000 χ²/NDF: 7735699.1/58

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: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

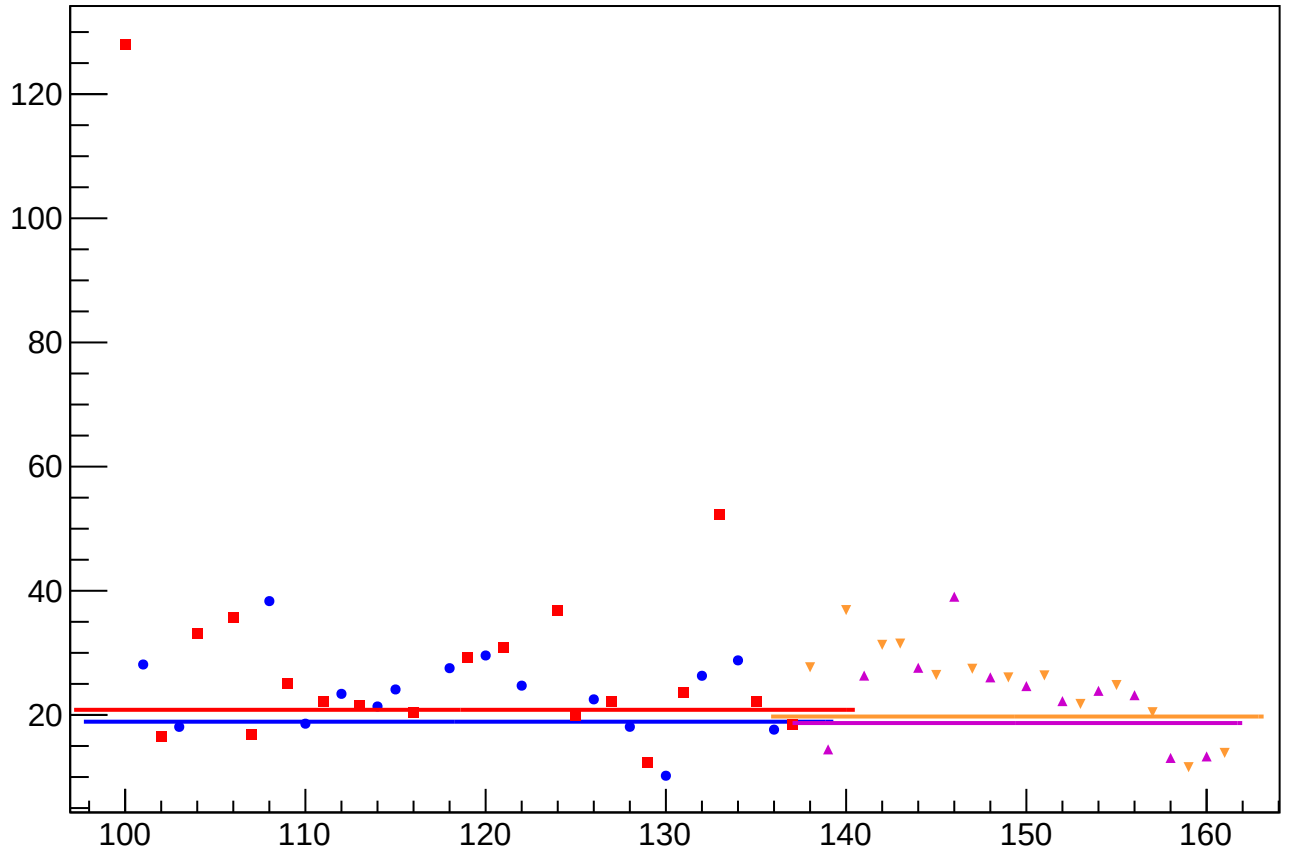
Left: 0.001+/-0.005 χ^2/NDF: 38.3/23

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.003+/-0.005 χ^2/NDF:44.3/31

All: -0.003+/-0.004 χ^2/NDF: 77.8/58



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330144.2/12

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

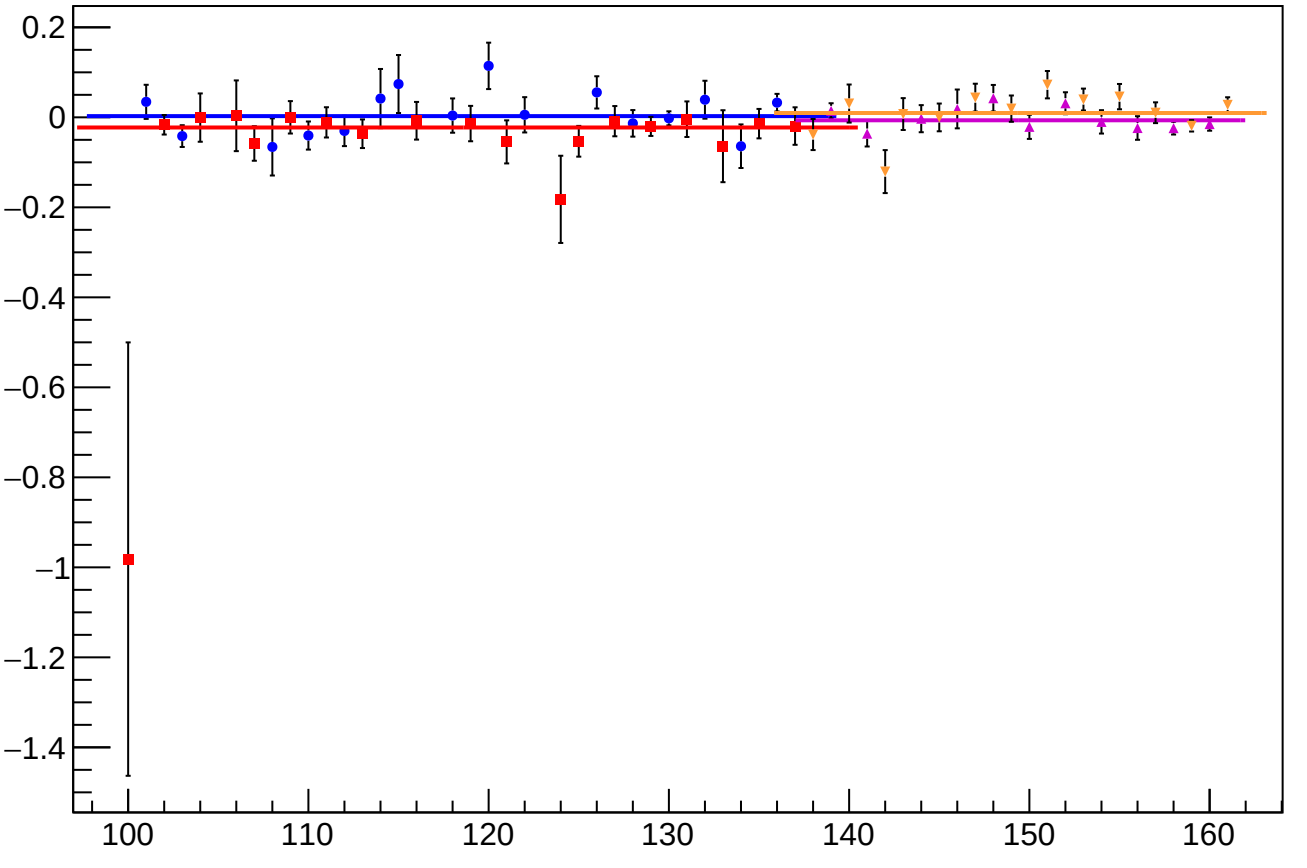
Left: 19.202+/-0.003 χ^2/NDF: 4221863.3/23

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.784+/-0.004 χ^2/NDF:3258407.4/26

Out: 20.170+/-0.004 χ^2/NDF:3641580.8/31

All: 19.442+/-0.003 χ^2/NDF: 6971842.9/58



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: 0.001+/-0.005 χ^2/NDF: 38.3/23

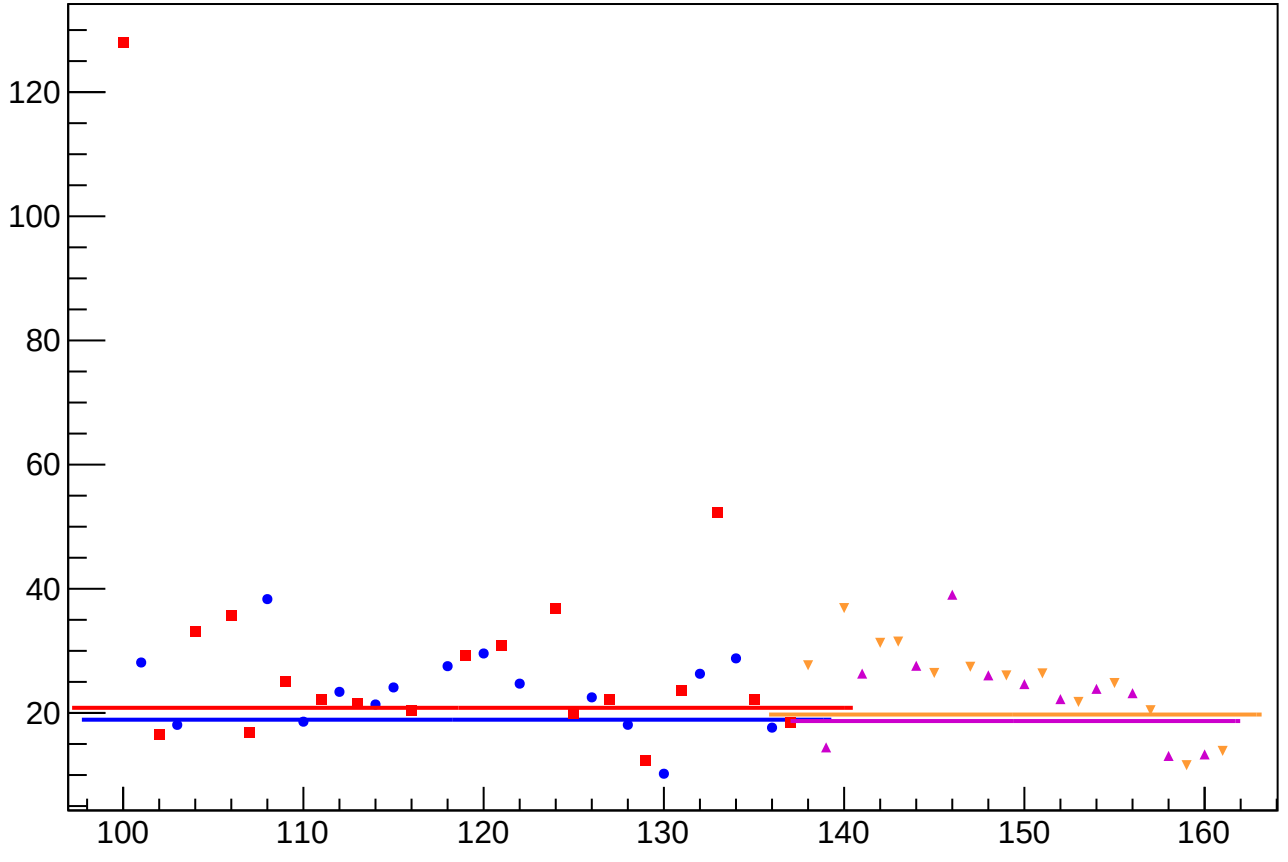
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.003+/-0.005 χ^2/NDF:44.3/31

All: -0.003+/-0.004 χ^2/NDF: 77.8/58

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330144.2/12

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

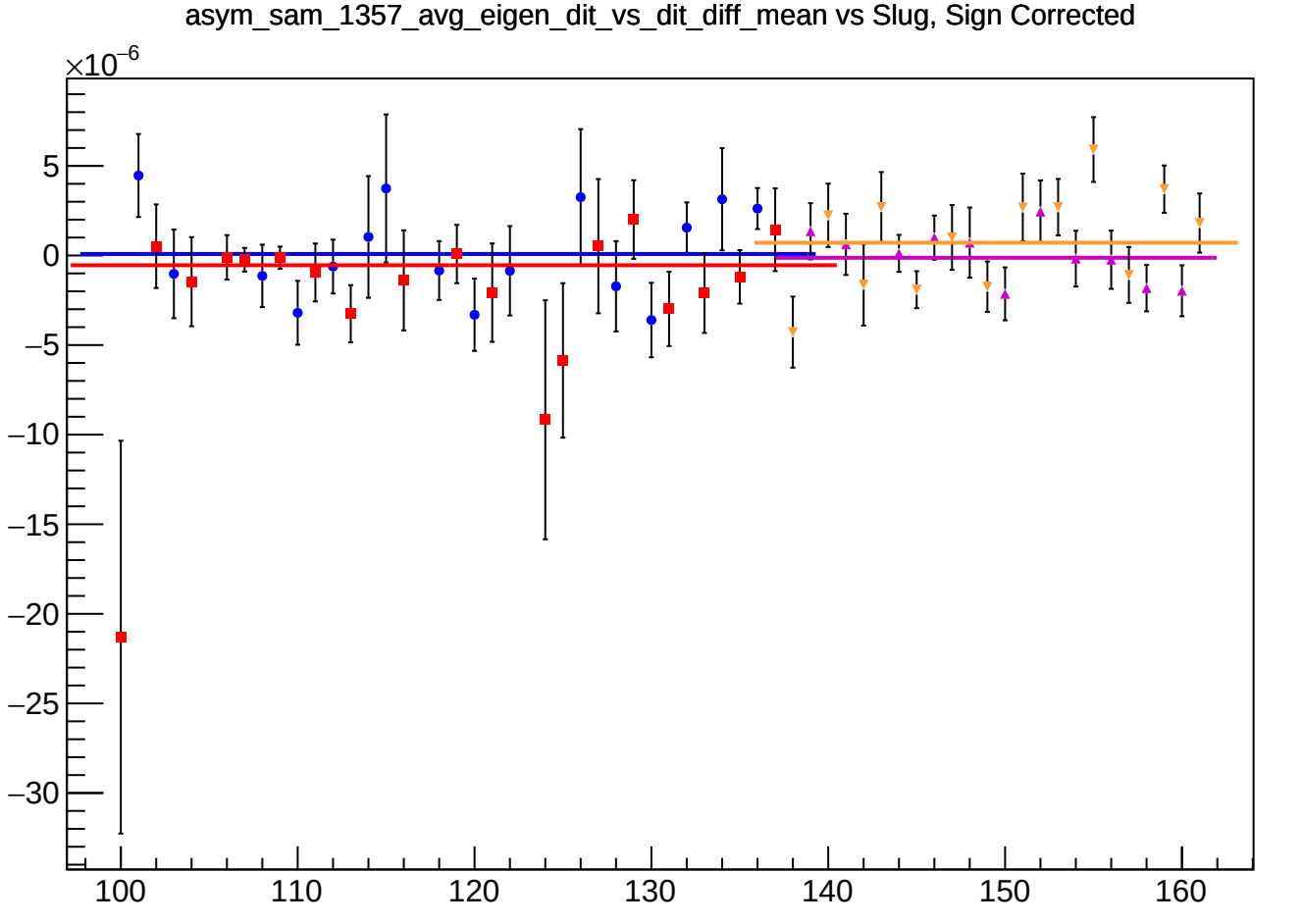
Left: 19.202+/-0.003 χ^2/NDF: 4221863.3/23

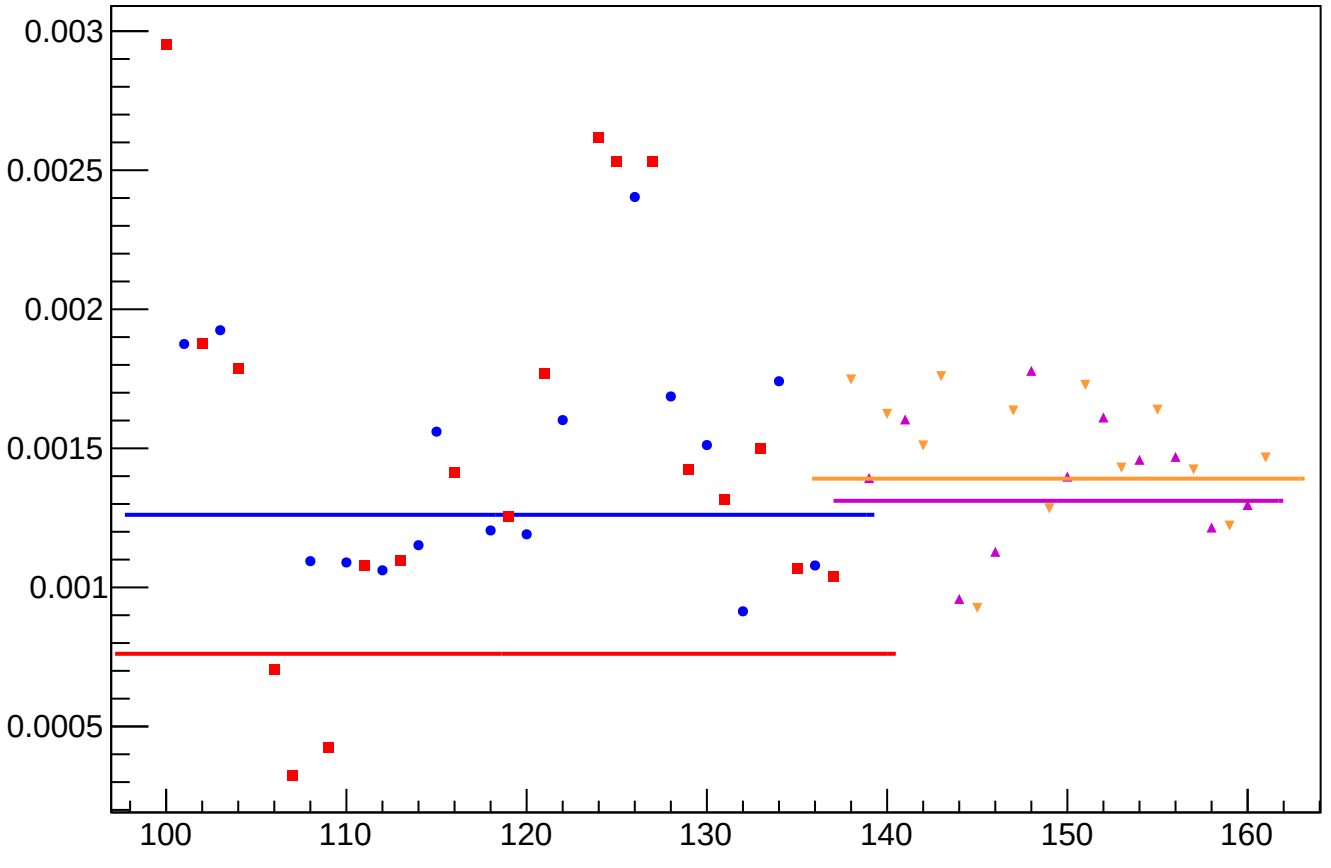
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.784+/-0.004 χ^2/NDF:3258407.4/26

Out: 20.170+/-0.004 χ^2/NDF:3641580.8/31

All: 19.442+/-0.003 χ^2/NDF: 6971842.9/58


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
5
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:36.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:9.6/10
Left: 0.000+/-0.000 χ²/NDF: 48.0/23
Right: -0.000+/-0.000 χ²/NDF: 40.3/34
In: -0.000+/-0.000 χ²/NDF:33.2/26
Out: -0.000+/-0.000 χ²/NDF:57.3/31
All: -0.000+/-0.000 χ²/NDF: 90.5/58



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:770366.2/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:568836.9/10

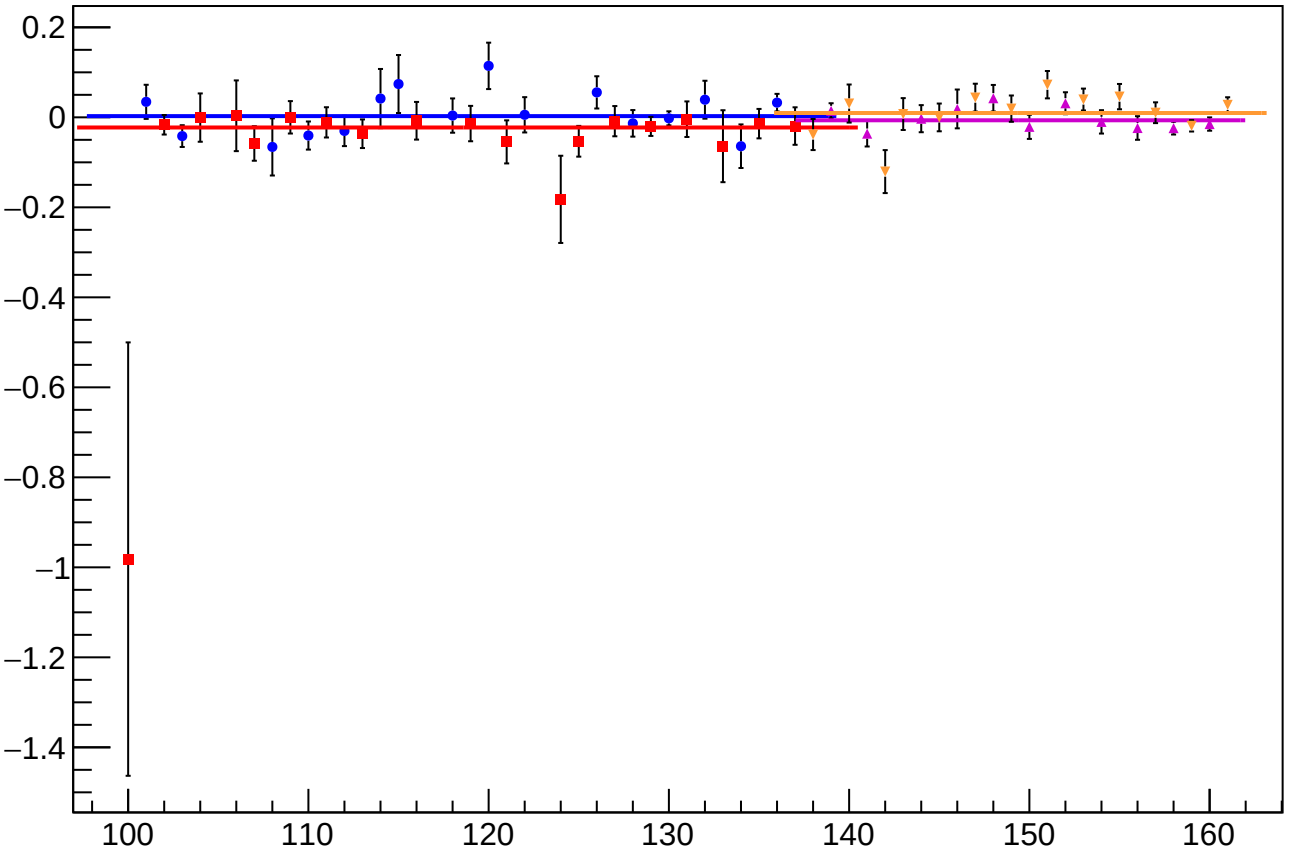
Left: 0.001+/-0.000 χ^2/NDF: 1372144.1/23

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1488049.5/26

Out: 0.001+/-0.000 χ^2/NDF:8003397.3/31

All: 0.001+/-0.000 χ^2/NDF: 10470991.3/58



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: 0.001+/-0.005 χ^2/NDF: 38.3/23

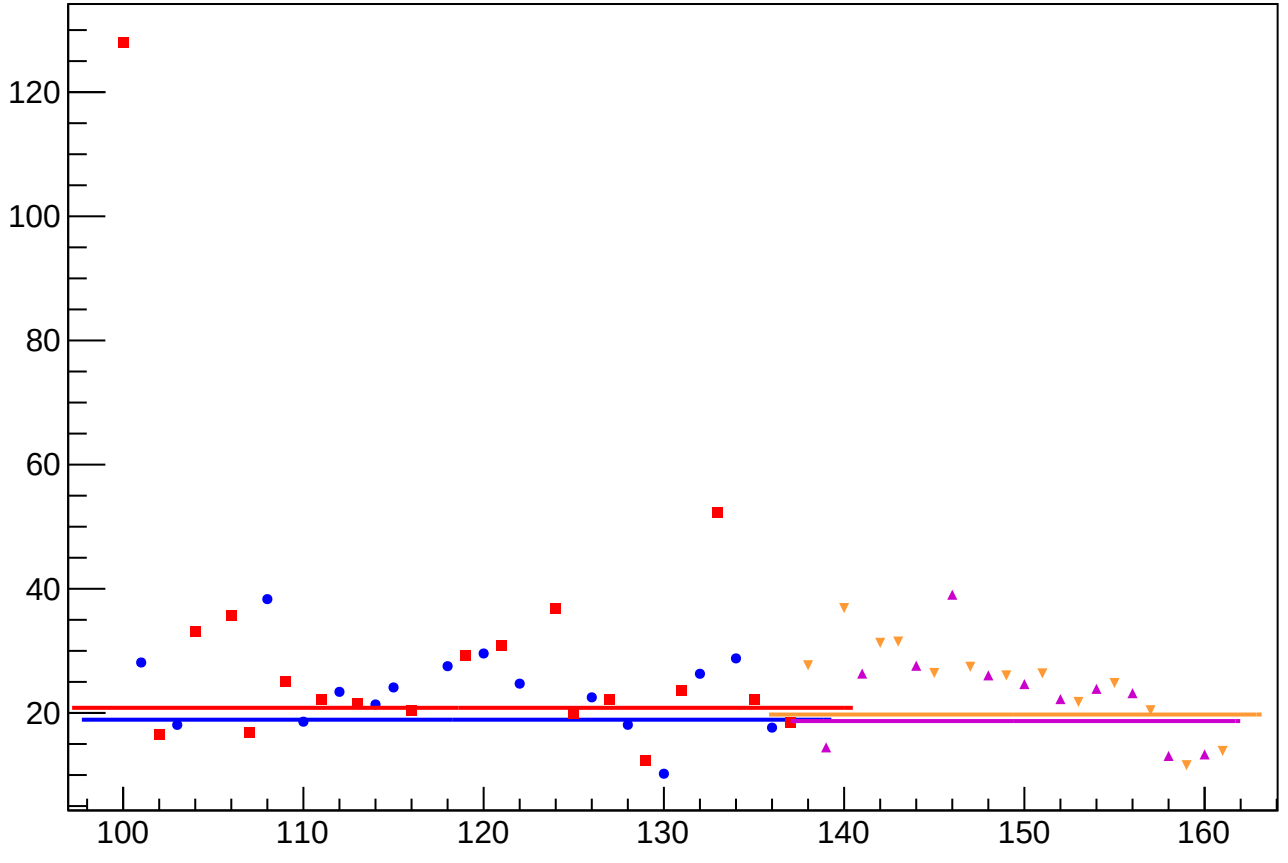
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.003+/-0.005 χ^2/NDF:44.3/31

All: -0.003+/-0.004 χ^2/NDF: 77.8/58

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330348.2/12

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.694+/-0.005 χ^2/NDF:1867245.9/10

Left: 19.202+/-0.003 χ^2/NDF: 4222158.1/23

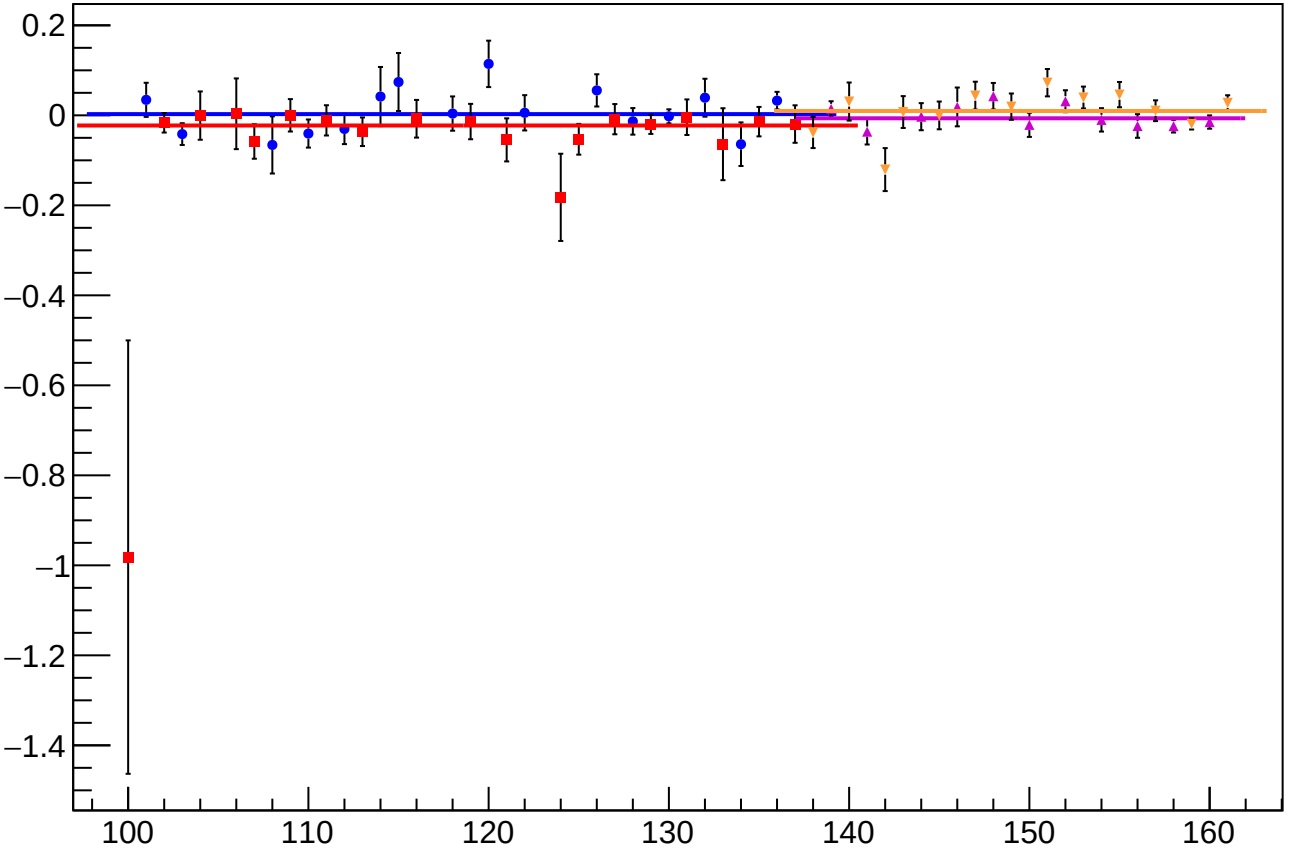
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.784+/-0.004 χ^2/NDF:3258391.2/26

Out: 20.171+/-0.004 χ^2/NDF:3641787.5/31

All: 19.442+/-0.003 χ^2/NDF: 6972014.7/58

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: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.007 χ^2/NDF:10.7/10

Left: 0.001+/-0.005 χ^2/NDF: 38.3/23

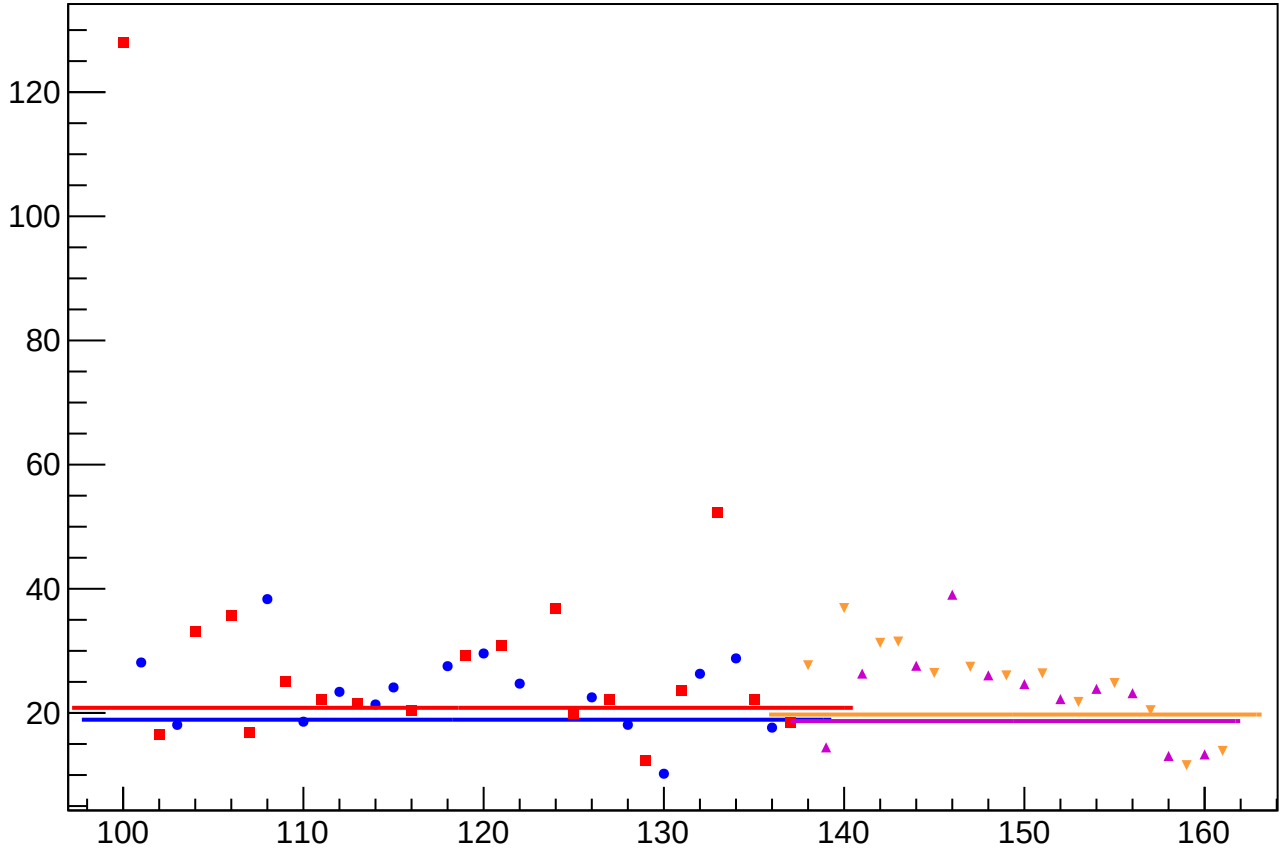
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.4/26

Out: -0.003+/-0.005 χ^2/NDF:44.3/31

All: -0.003+/-0.004 χ^2/NDF: 77.8/58

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: 19.744+/-0.005 χ^2/NDF:2330348.2/12

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.694+/-0.005 χ^2/NDF:1867245.9/10

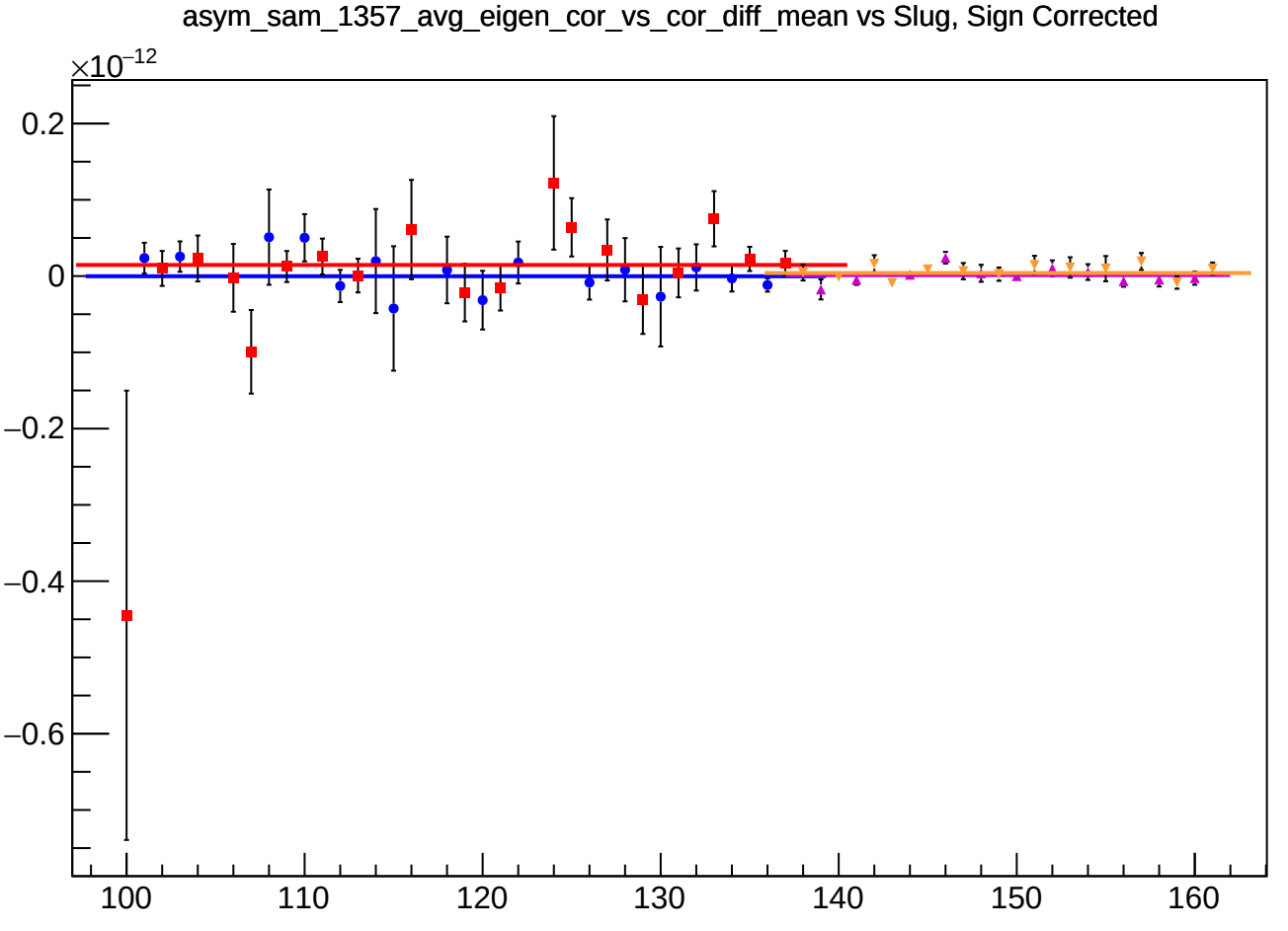
Left: 19.202+/-0.003 χ^2/NDF: 4222158.1/23

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.784+/-0.004 χ^2/NDF:3258391.2/26

Out: 20.171+/-0.004 χ^2/NDF:3641787.5/31

All: 19.442+/-0.003 χ^2/NDF: 6972014.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/10

Left: 0.000+/-0.000 χ^2/NDF: 28.0/23

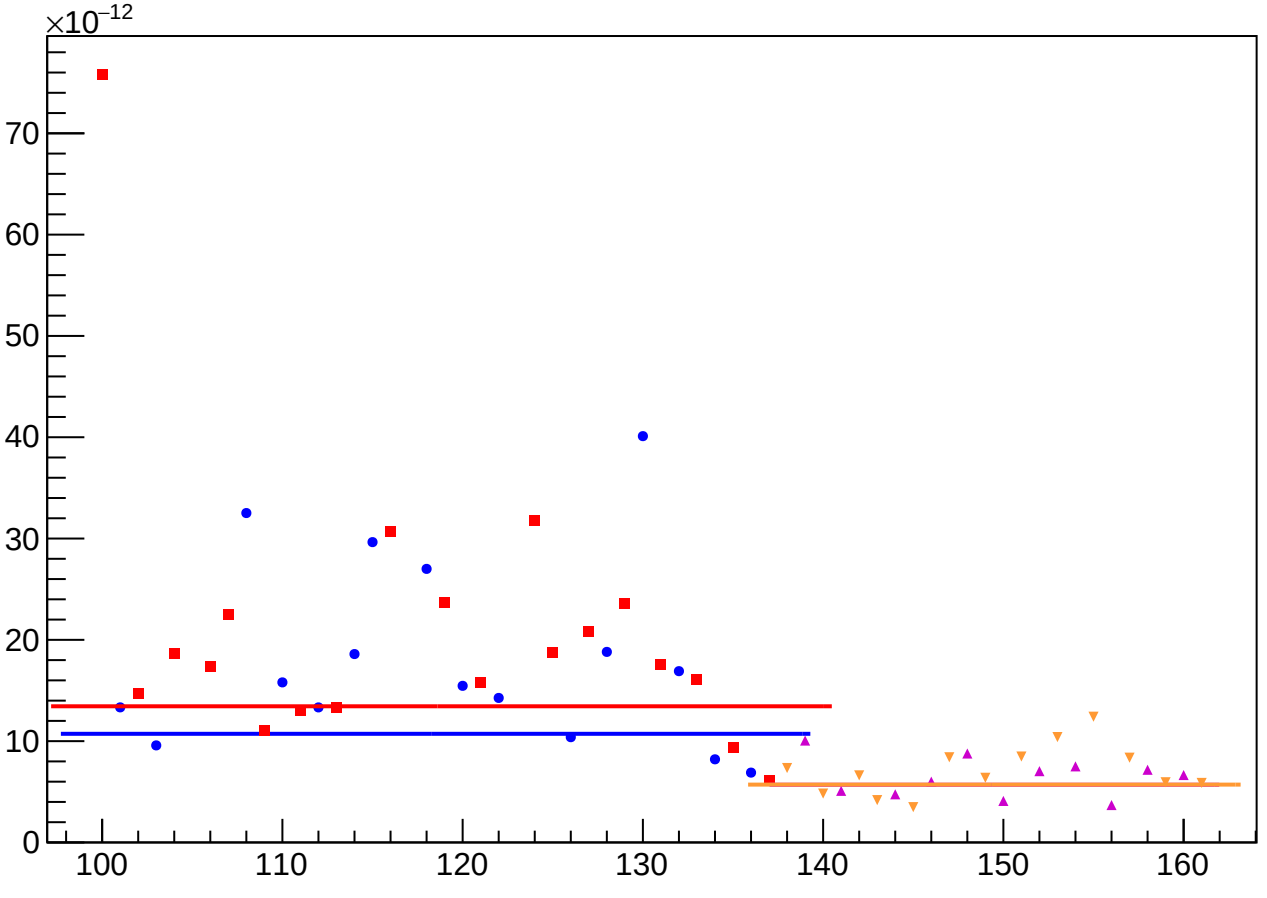
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.1/26

Out: 0.000+/-0.000 χ^2/NDF:32.7/31

All: 0.000+/-0.000 χ^2/NDF: 59.6/58

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1554013.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:883338.4/10

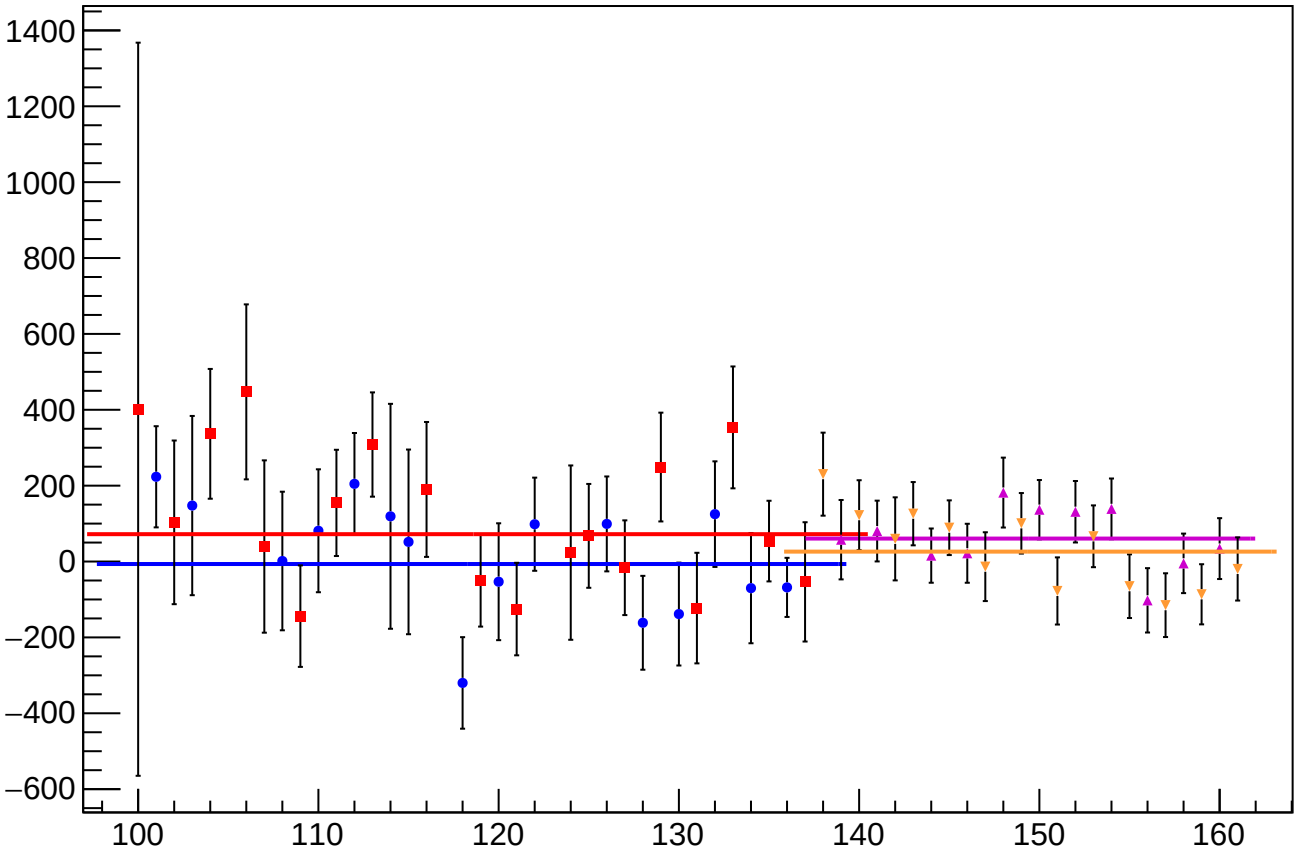
Left: 0.000+/-0.000 χ^2/NDF: 2437399.7/23

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:4073369.9/26

Out: 0.000+/-0.000 χ^2/NDF:5440780.6/31

All: 0.000+/-0.000 χ^2/NDF: 9515326.6/58



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.127+/-23.803 χ^2/NDF:15.9/12

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 60.520+/-24.582 χ^2/NDF:9.6/10

Left: 42.770+/-17.100 χ^2/NDF: 26.5/23

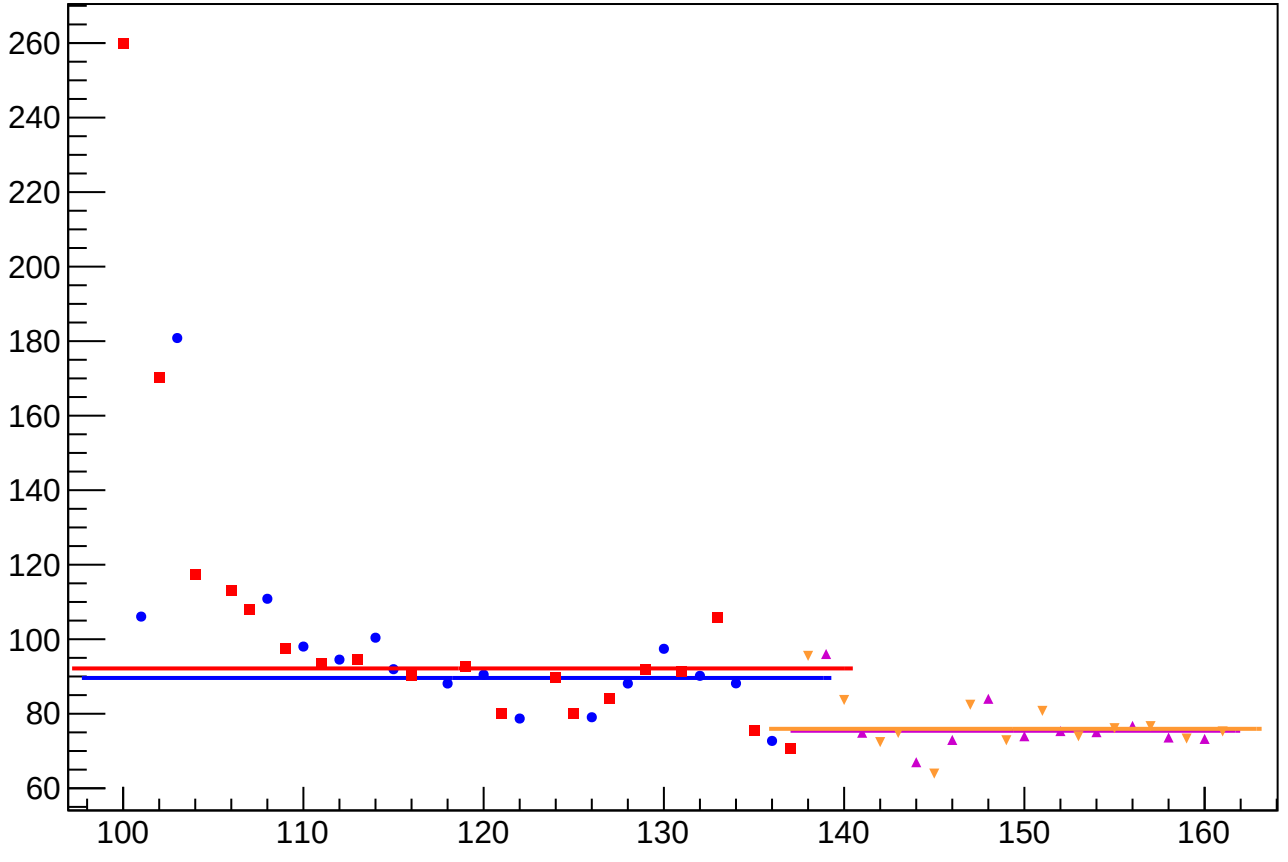
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 37.746+/-19.978 χ^2/NDF:31.0/26

Out: 40.740+/-19.662 χ^2/NDF:39.8/31

All: 39.267+/-14.013 χ^2/NDF: 70.9/58

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

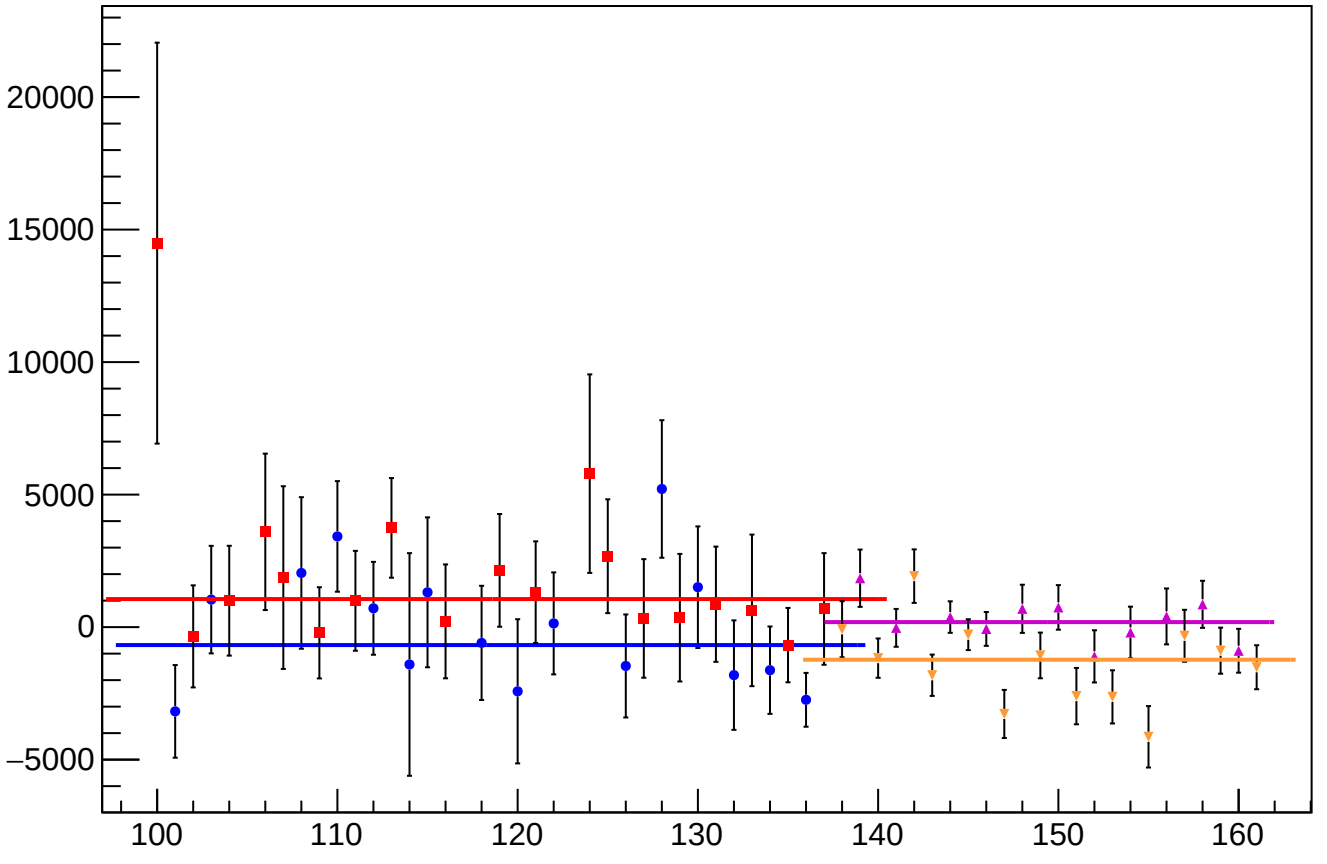
Left: 75.701+/-0.012 χ^2/NDF: 287981.4/23

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.243+/-0.014 χ^2/NDF:852721.0/26

Out: 81.103+/-0.014 χ^2/NDF:995546.7/31

All: 80.680+/-0.010 χ^2/NDF: 1850151.6/58



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1229.785+/-240.519 χ^2/NDF:30.3/12

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 189.842+/-246.629 χ^2/NDF:7.6/10

Left: -537.774+/-172.192 χ^2/NDF: 54.9/23

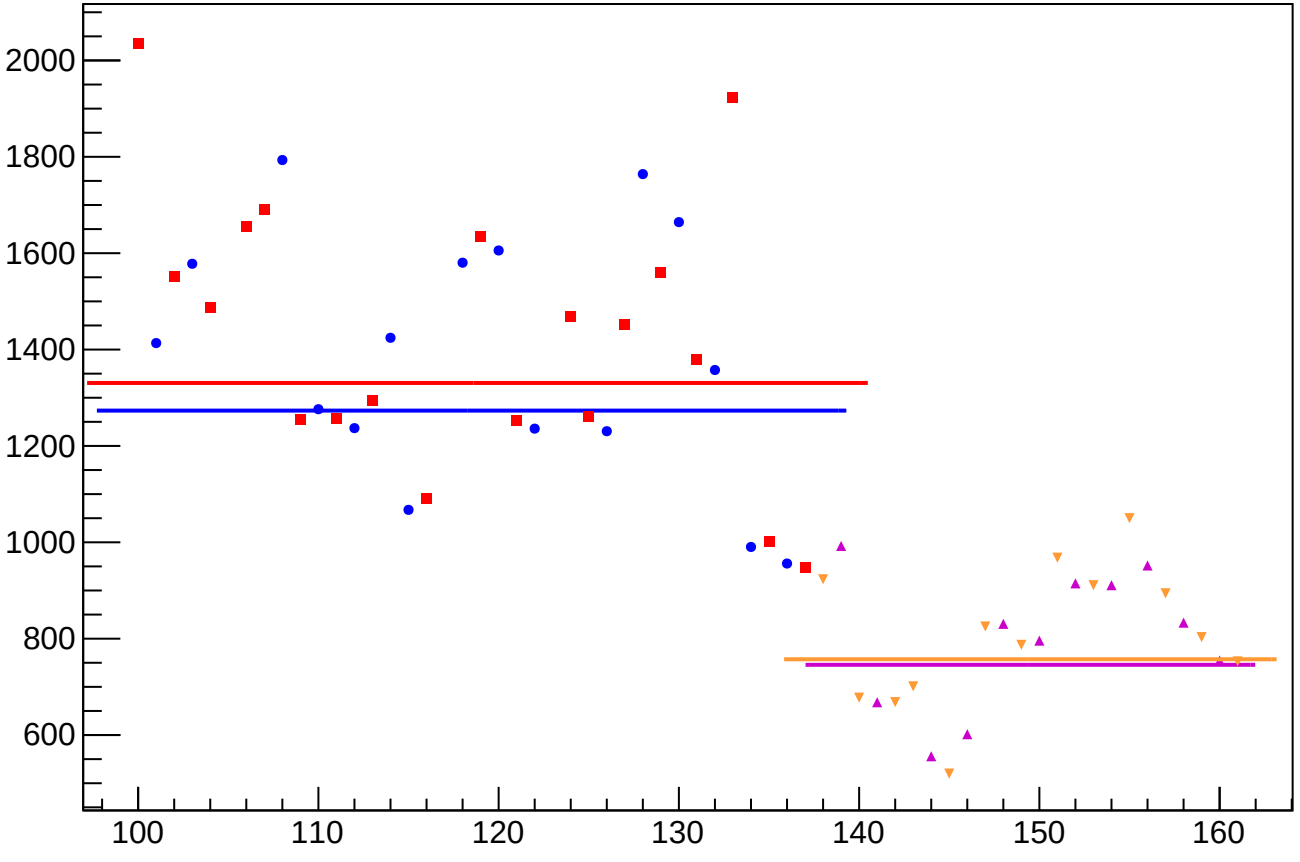
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 12.526+/-219.975 χ^2/NDF:30.4/26

Out: -794.593+/-216.445 χ^2/NDF:59.0/31

All: -397.561+/-154.283 χ^2/NDF: 96.3/58

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.254+/-0.170 χ^2/NDF:742307.5/12

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 745.774+/-0.174 χ^2/NDF:670663.4/10

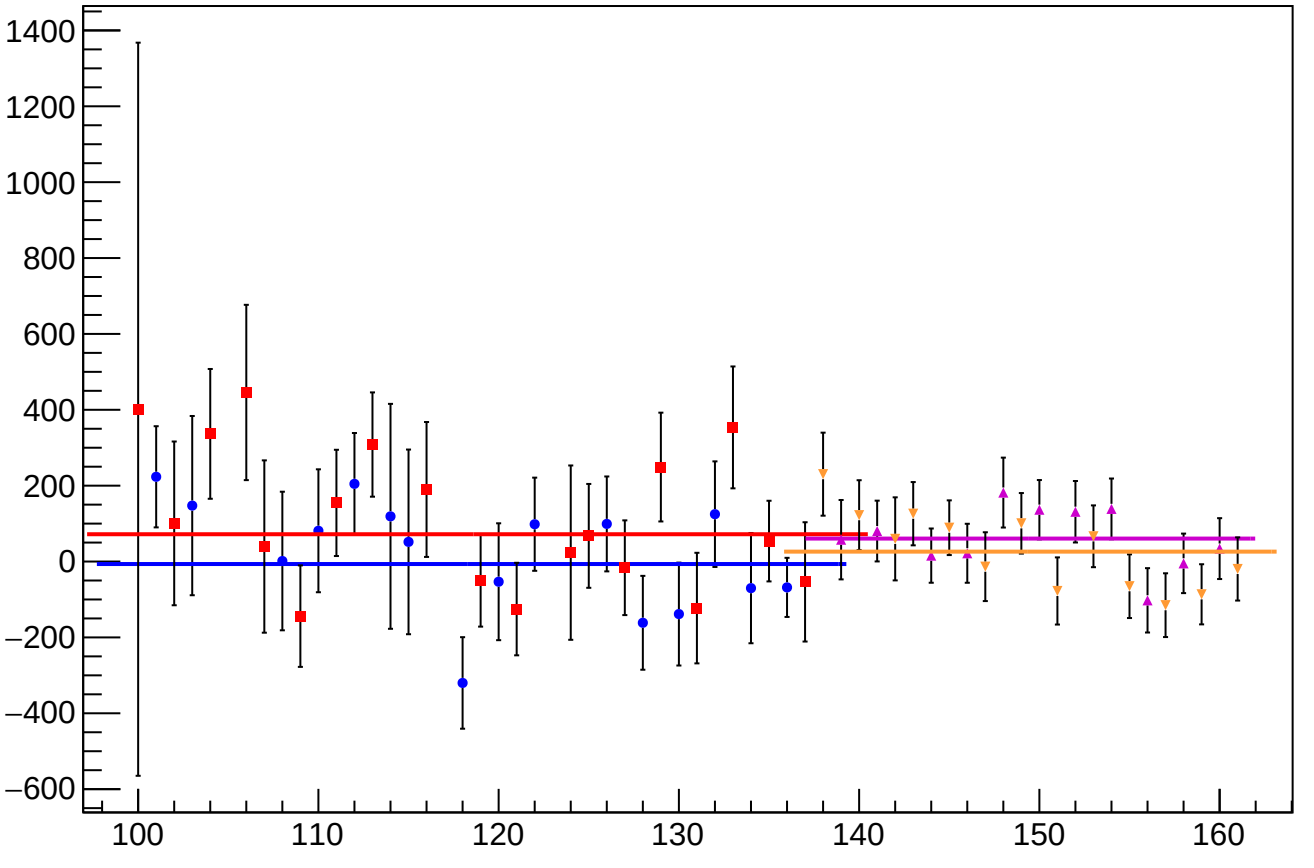
Left: 751.658+/-0.122 χ^2/NDF: 1415191.7/23

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 853.639+/-0.156 χ^2/NDF:3139241.0/26

Out: 866.298+/-0.153 χ^2/NDF:3374796.1/31

All: 860.071+/-0.109 χ^2/NDF: 6517401.9/58



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.129+/-23.803 χ^2/NDF:15.9/12

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 60.523+/-24.582 χ^2/NDF:9.6/10

Left: 42.773+/-17.100 χ^2/NDF: 26.5/23

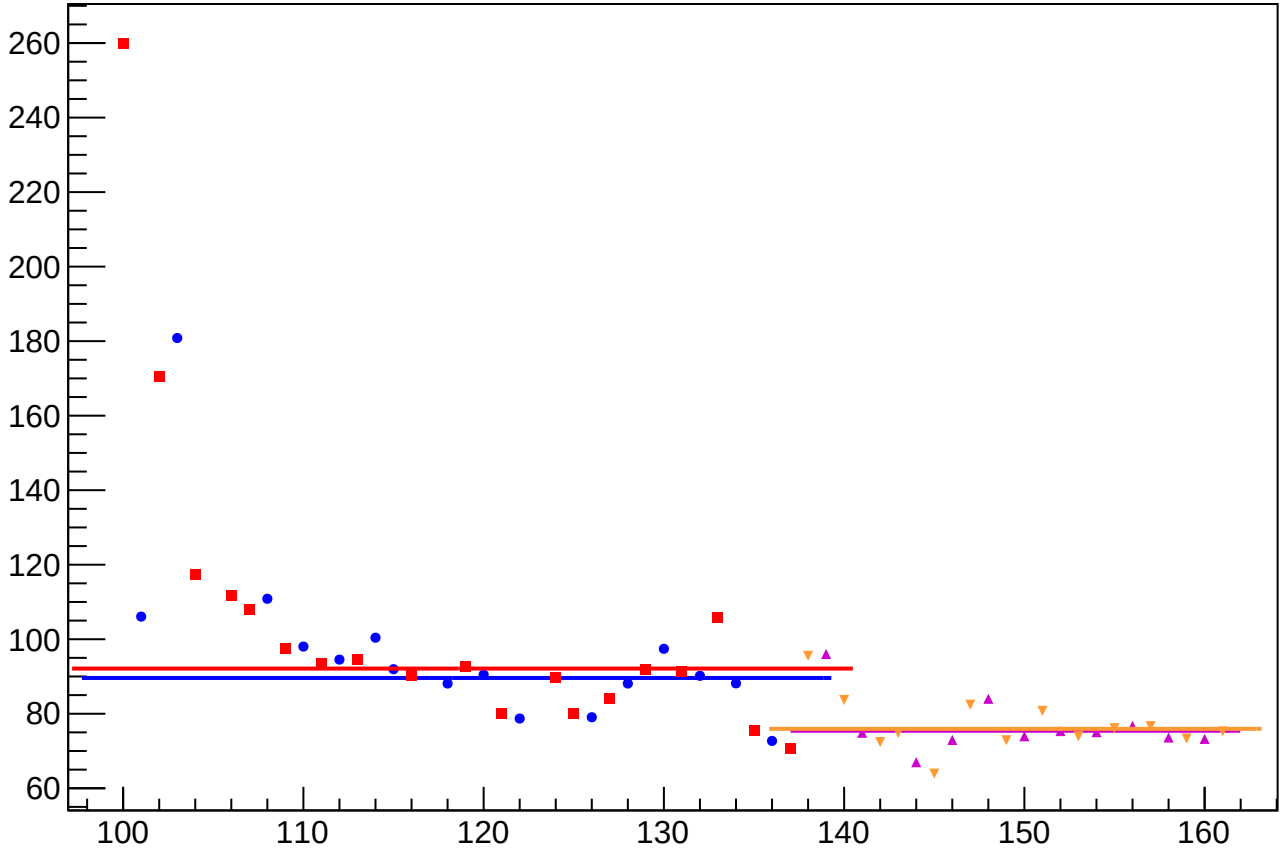
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.744+/-19.978 χ^2/NDF:31.0/26

Out: 40.695+/-19.662 χ^2/NDF:39.8/31

All: 39.243+/-14.014 χ^2/NDF: 70.8/58

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

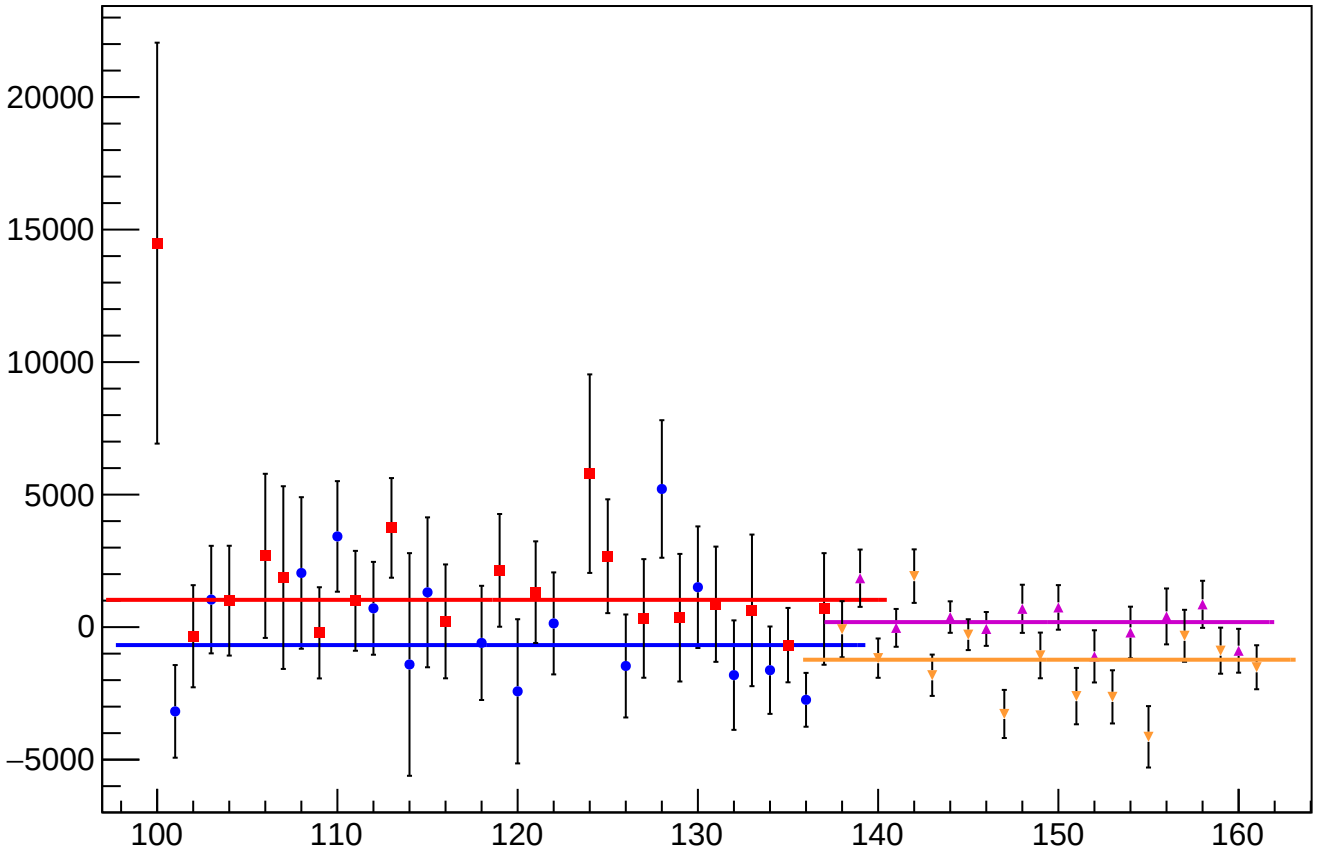
Left: 75.701+/-0.012 χ^2/NDF: 287981.4/23

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.243+/-0.014 χ^2/NDF:852724.5/26

Out: 81.092+/-0.014 χ^2/NDF:992604.2/31

All: 80.674+/-0.010 χ^2/NDF: 1847167.0/58



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1229.781+/-240.519 χ^2/NDF:30.3/12

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 189.847+/-246.629 χ^2/NDF:7.6/10

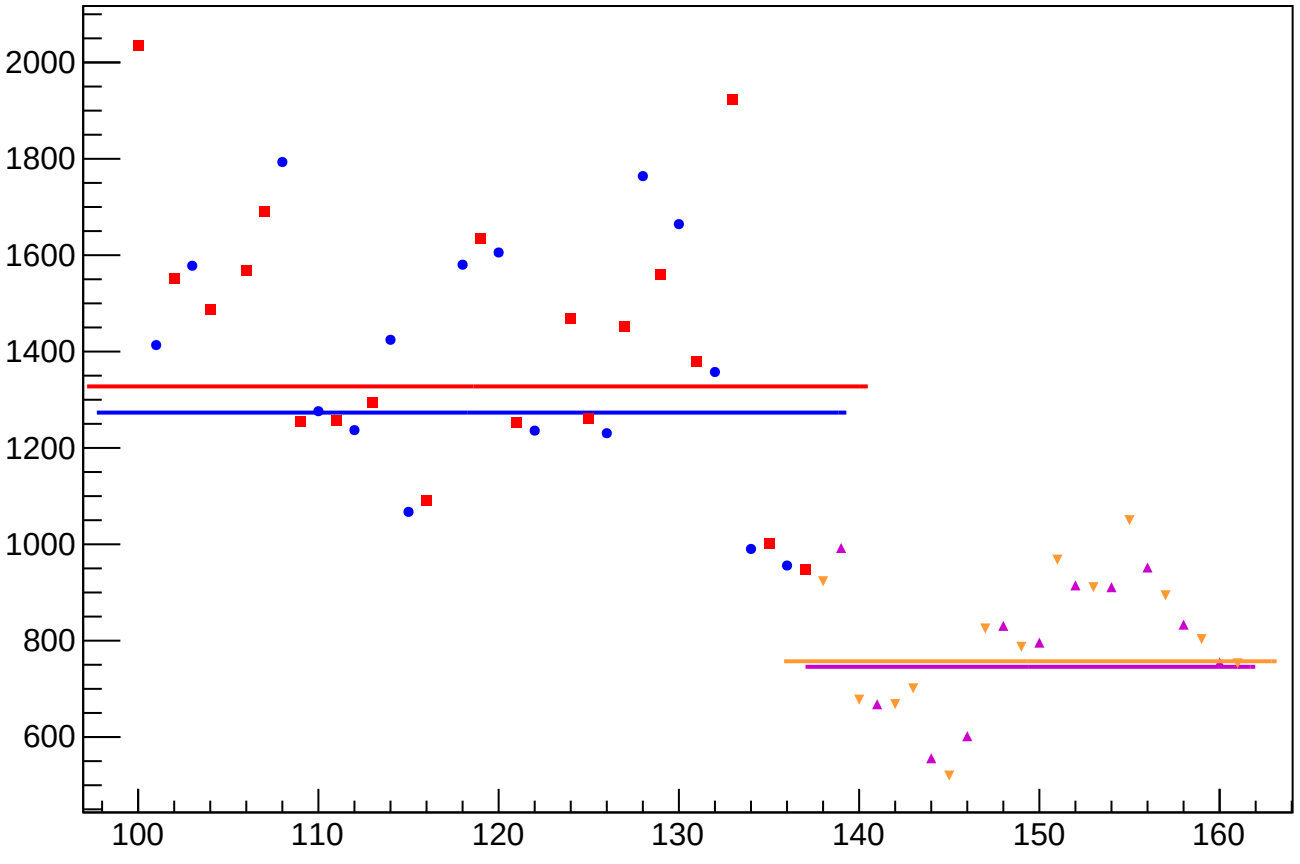
Left: -537.769+/-172.192 χ^2/NDF: 54.9/23

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 12.539+/-219.975 χ^2/NDF:30.4/26

Out: -801.109+/-216.501 χ^2/NDF:58.0/31

All: -400.762+/-154.303 χ^2/NDF: 95.4/58



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.254+/-0.170 χ^2/NDF:742310.9/12

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

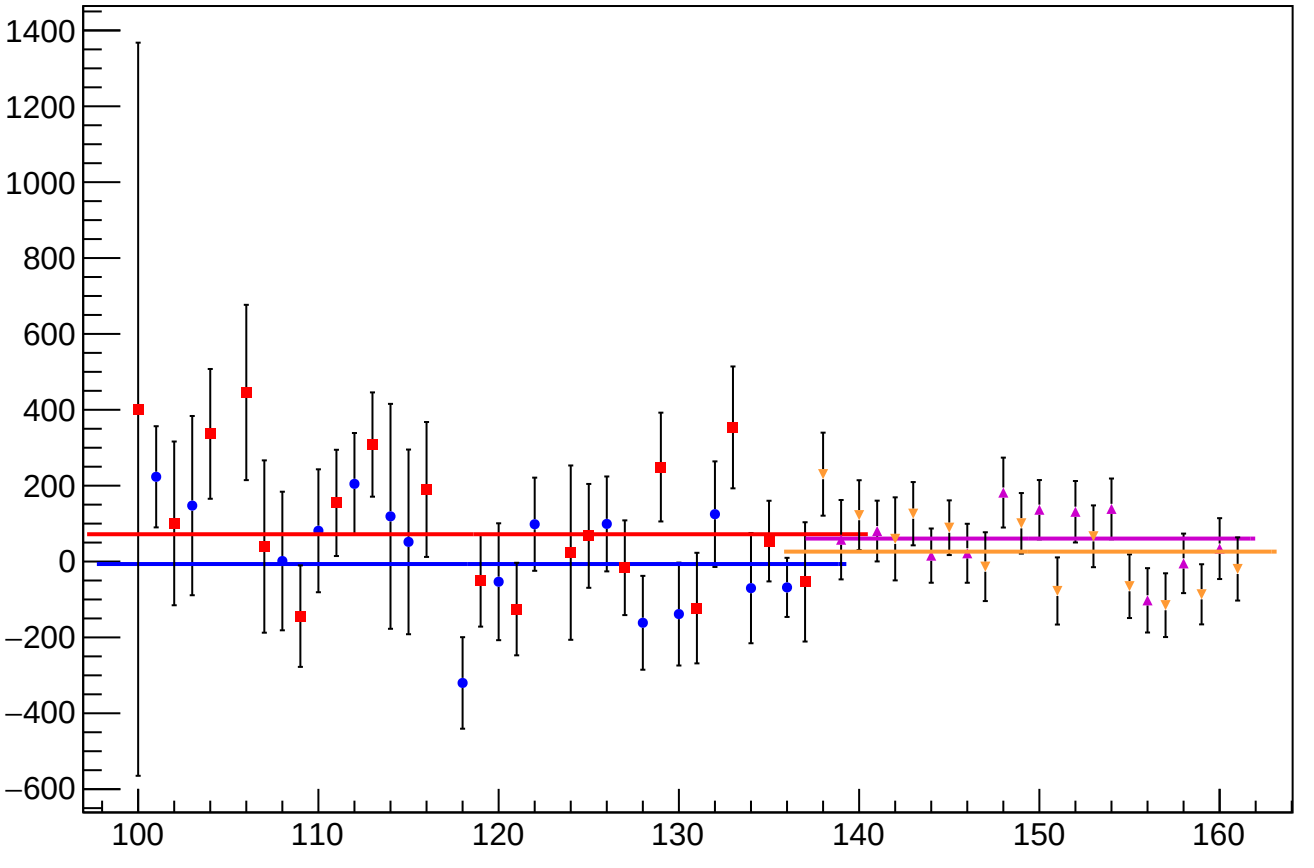
Left: 751.658+/-0.122 χ^2/NDF: 1415192.7/23

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 853.640+/-0.156 χ^2/NDF:3139276.9/26

Out: 865.487+/-0.153 χ^2/NDF:3335197.8/31

All: 859.657+/-0.109 χ^2/NDF: 6477421.4/58



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.129+/-23.803 χ^2/NDF:15.9/12

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 60.523+/-24.582 χ^2/NDF:9.6/10

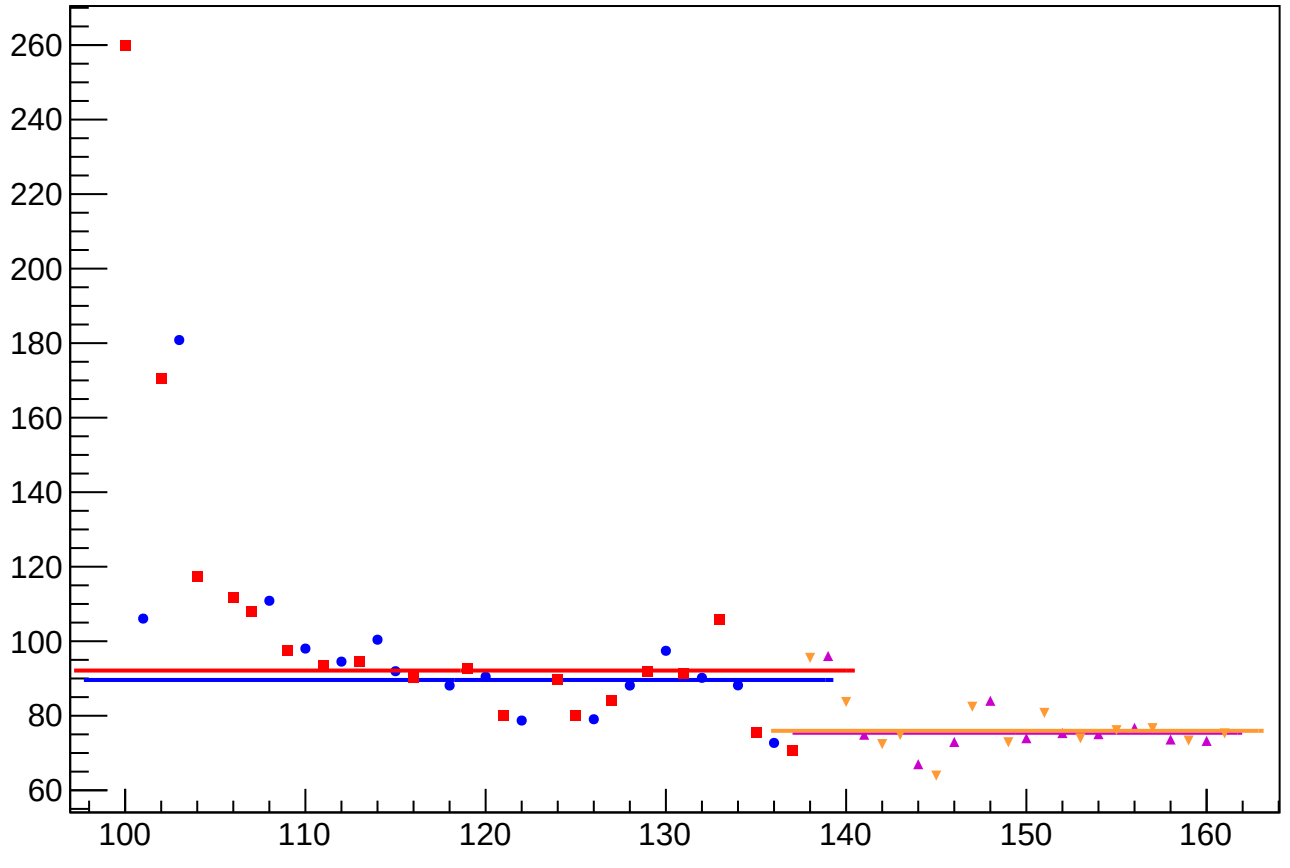
Left: 42.773+/-17.100 χ^2/NDF: 26.5/23

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 37.744+/-19.978 χ^2/NDF:31.0/26

Out: 40.695+/-19.662 χ^2/NDF:39.8/31

All: 39.243+/-14.014 χ^2/NDF: 70.8/58



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

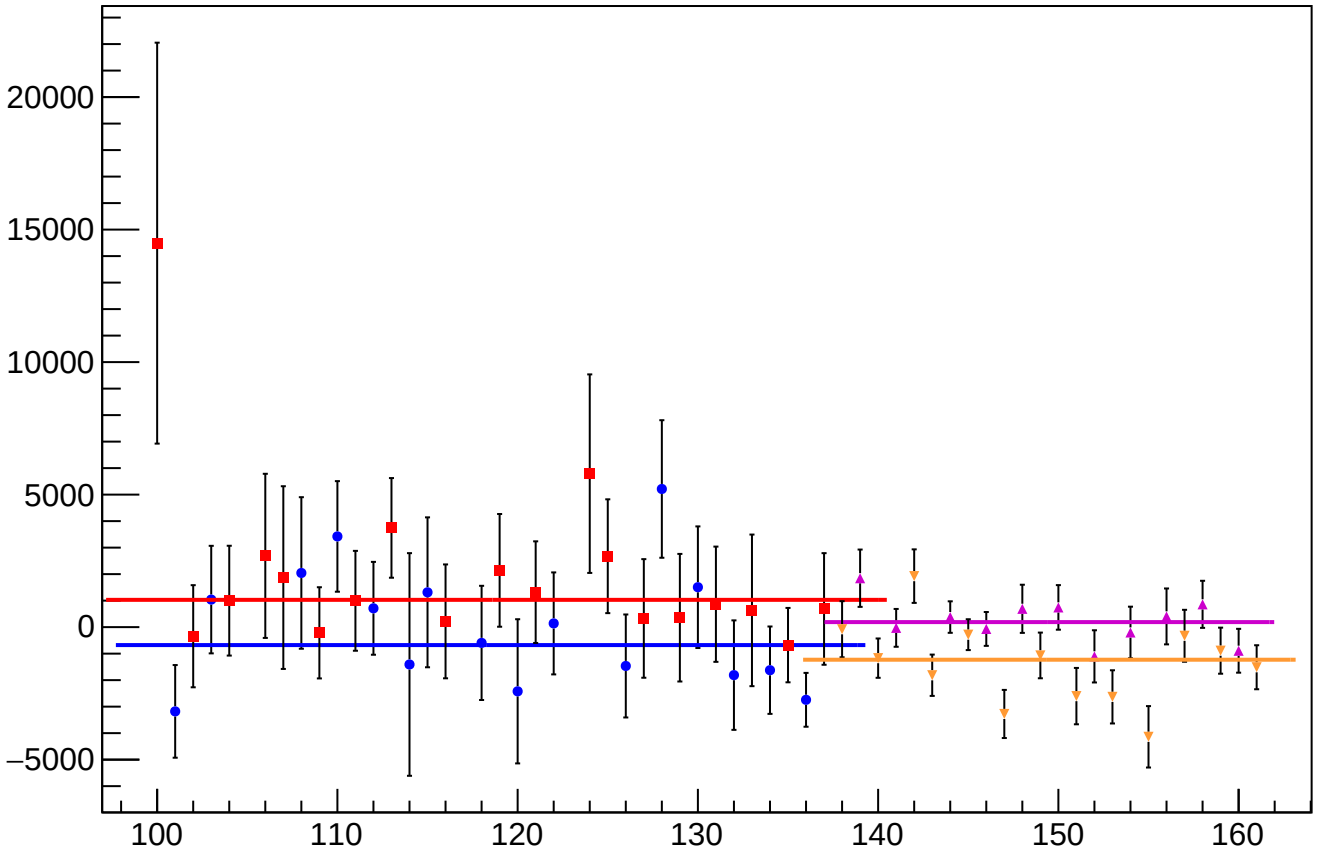
Left: 75.701+/-0.012 χ^2/NDF: 287981.4/23

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.243+/-0.014 χ^2/NDF:852724.5/26

Out: 81.092+/-0.014 χ^2/NDF:992604.2/31

All: 80.674+/-0.010 χ^2/NDF: 1847167.0/58



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1229.781+/-240.519 χ^2/NDF:30.3/12

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 189.847+/-246.629 χ^2/NDF:7.6/10

Left: -537.769+/-172.192 χ^2/NDF: 54.9/23

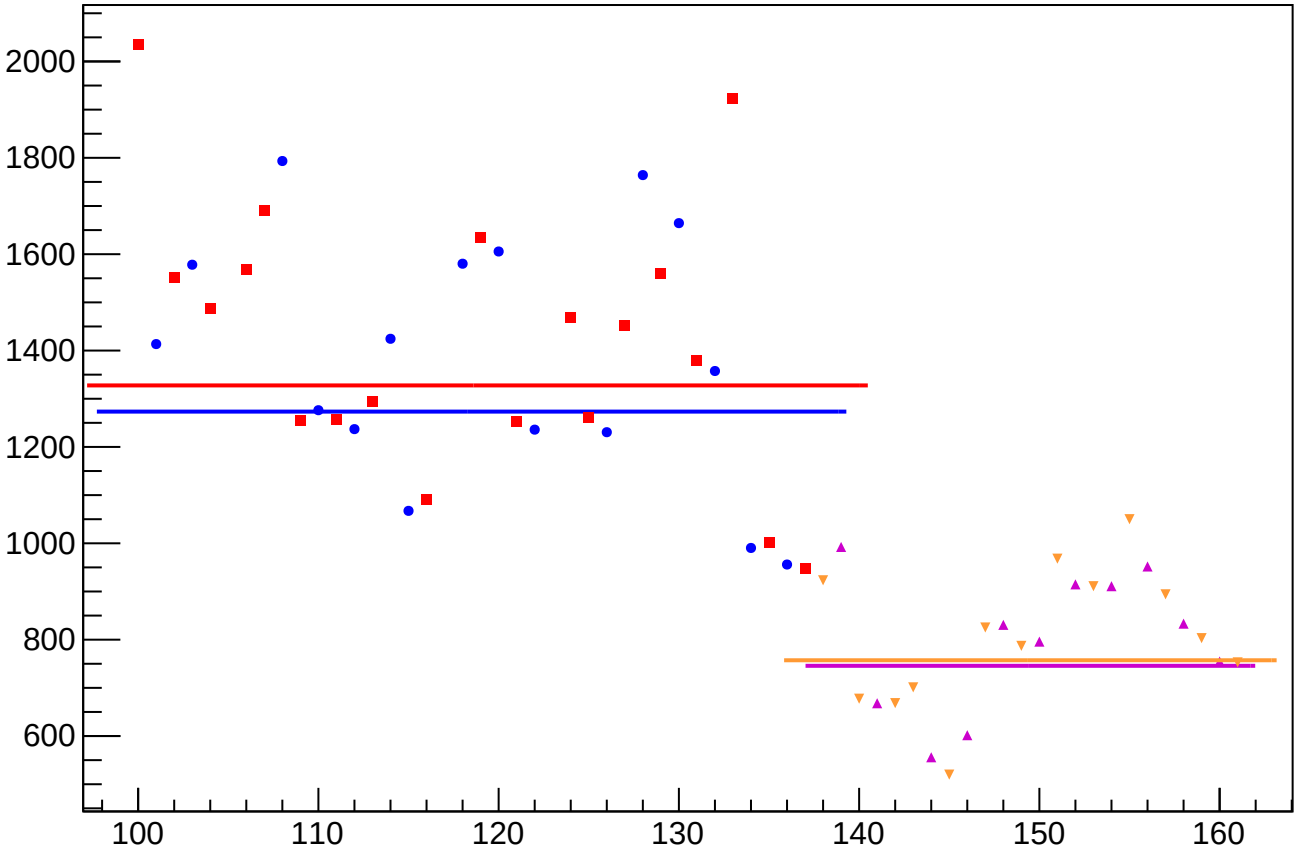
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 12.539+/-219.975 χ^2/NDF:30.4/26

Out: -801.109+/-216.501 χ^2/NDF:58.0/31

All: -400.762+/-154.303 χ^2/NDF: 95.4/58

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.254+/-0.170 χ^2/NDF:742310.9/12

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

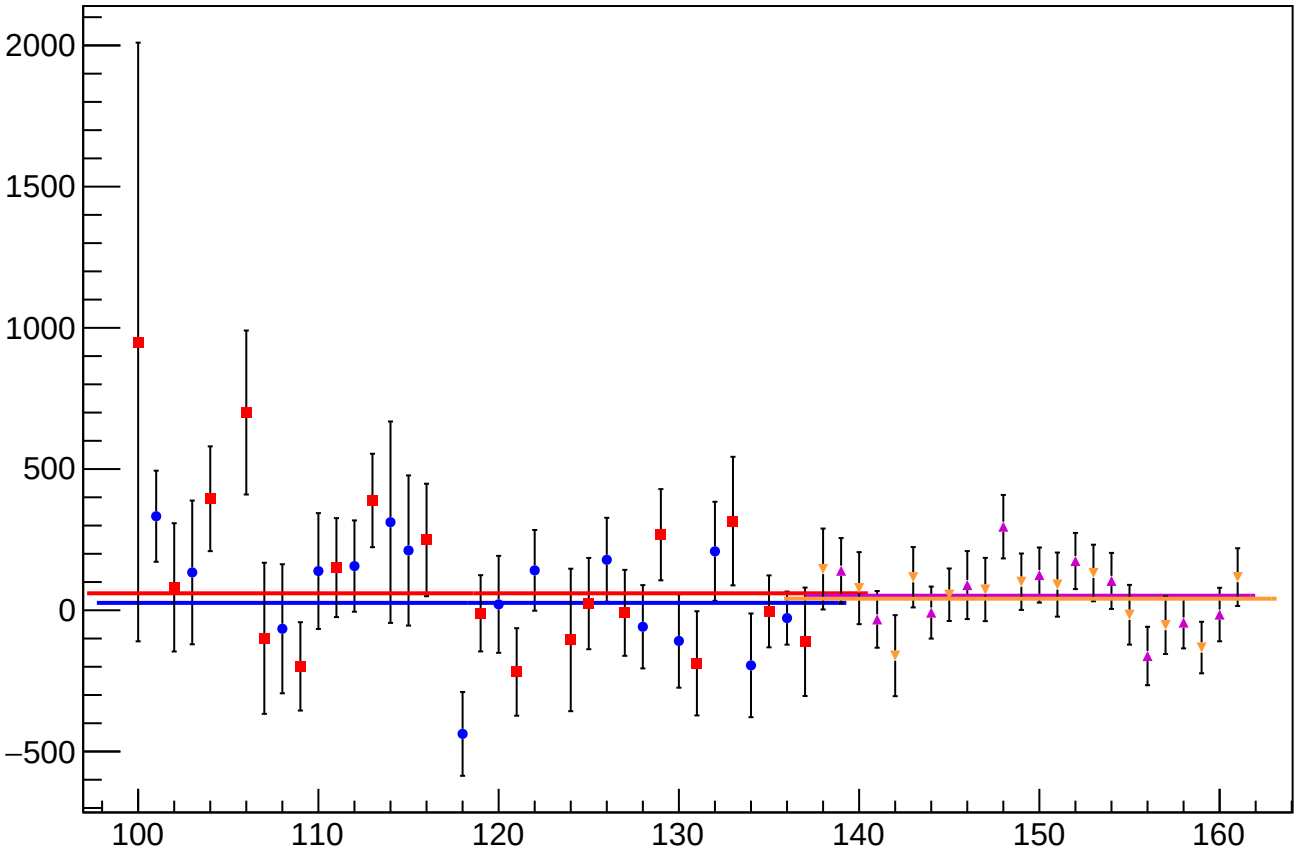
Left: 751.658+/-0.122 χ^2/NDF: 1415192.7/23

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 853.640+/-0.156 χ^2/NDF:3139276.9/26

Out: 865.487+/-0.153 χ^2/NDF:3335197.8/31

All: 859.657+/-0.109 χ^2/NDF: 6477421.4/58



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 40.971+/-29.880 χ^2/NDF:9.9/12

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 51.519+/-30.541 χ^2/NDF:14.7/10

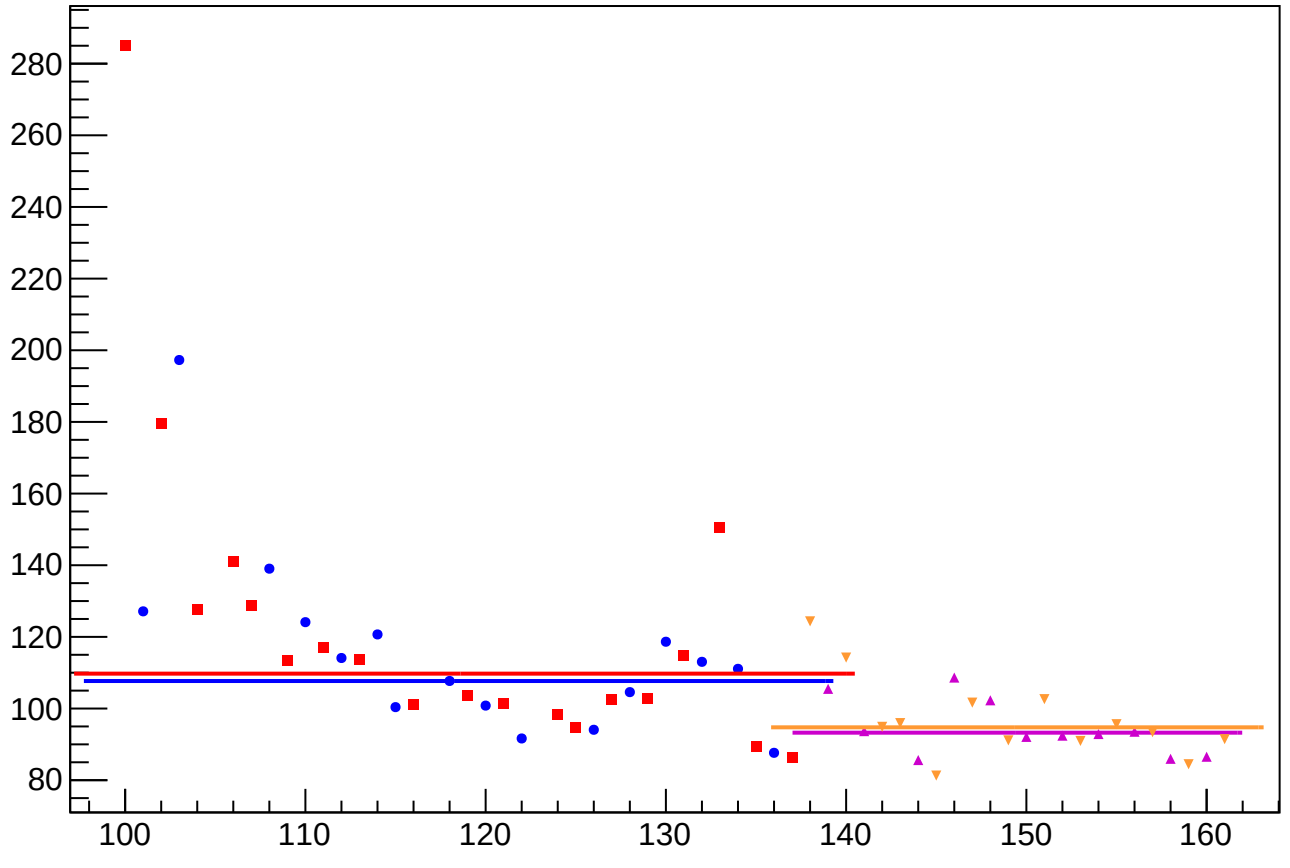
Left: 46.130+/-21.358 χ^2/NDF: 24.7/23

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 42.564+/-24.539 χ^2/NDF:36.3/26

Out: 47.503+/-24.254 χ^2/NDF:37.0/31

All: 45.062+/-17.250 χ^2/NDF: 73.4/58



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.755+/-0.021 χ^2/NDF:224854.0/12

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.262+/-0.022 χ^2/NDF:105003.4/10

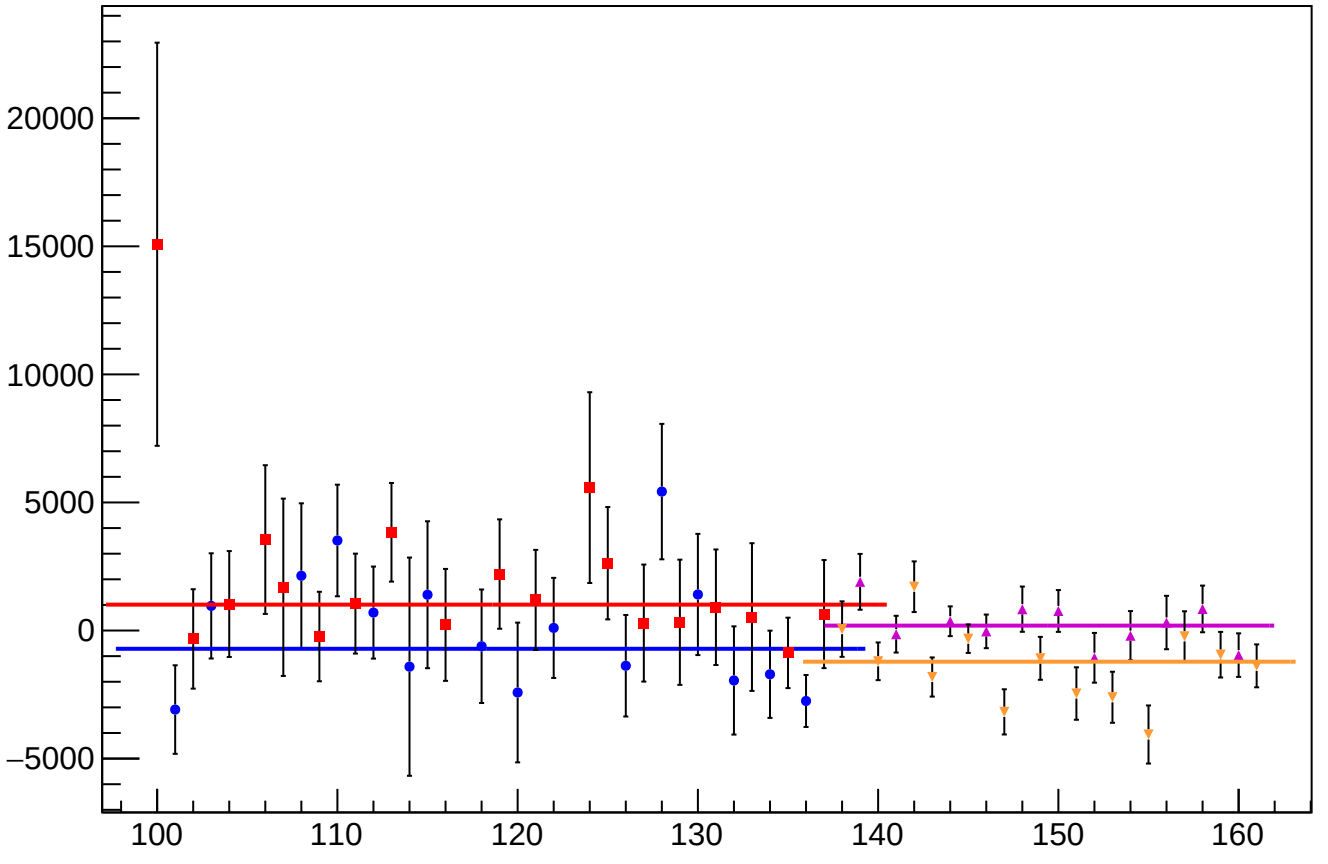
Left: 94.025+/-0.015 χ^2/NDF: 332301.6/23

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 98.372+/-0.017 χ^2/NDF:746106.4/26

Out: 99.867+/-0.017 χ^2/NDF:888200.7/31

All: 99.128+/-0.012 χ^2/NDF: 1638062.2/58



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1216.438+/-236.763 χ^2/NDF:29.2/12

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 191.811+/-246.131 χ^2/NDF:8.1/10

Left: -539.625+/-170.632 χ^2/NDF: 54.3/23

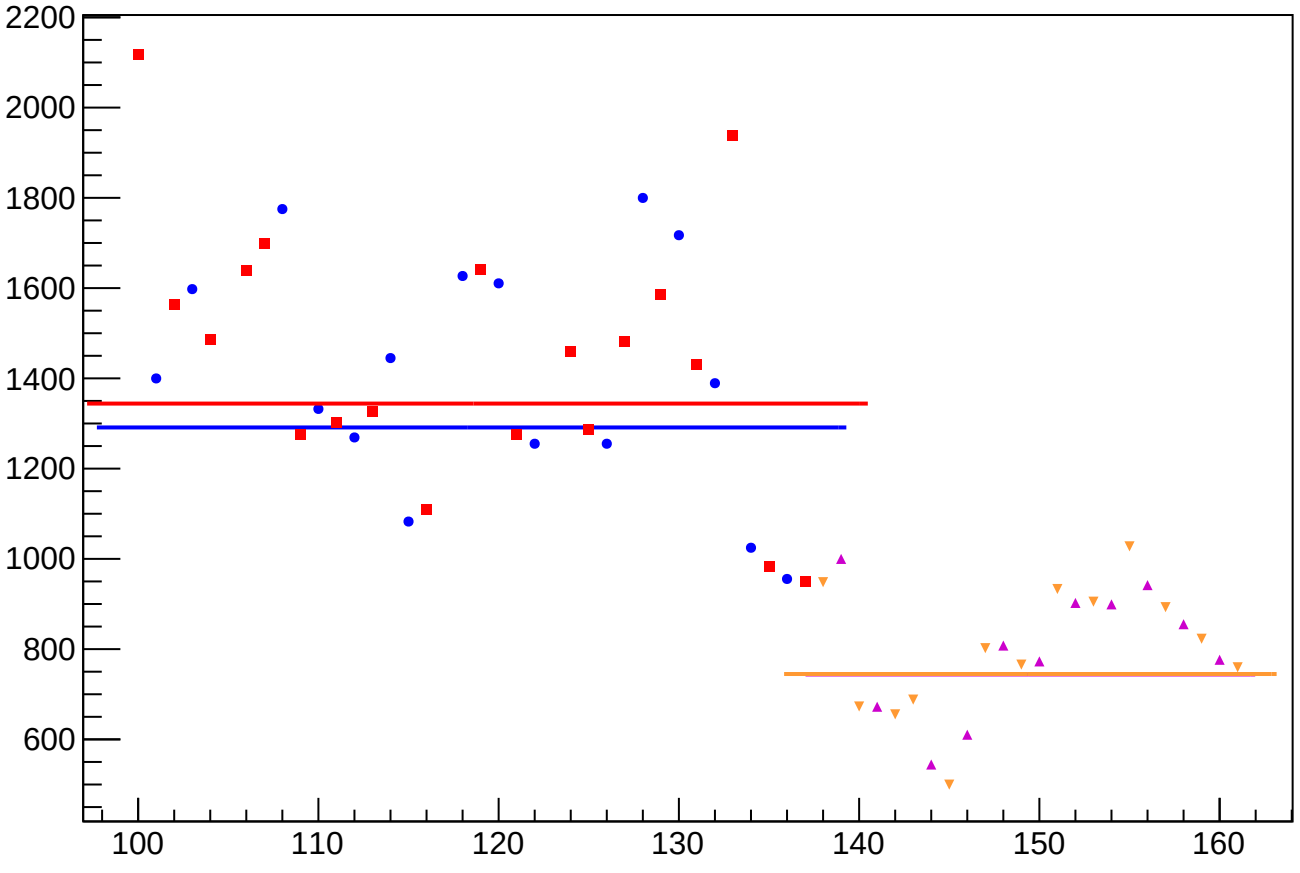
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 11.453+/-220.235 χ^2/NDF:30.9/26

Out: -810.373+/-214.092 χ^2/NDF:57.0/31

All: -411.082+/-153.512 χ^2/NDF: 95.1/58

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 744.869+/-0.167 χ^2/NDF:820177.5/12

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 743.804+/-0.174 χ^2/NDF:672563.9/10

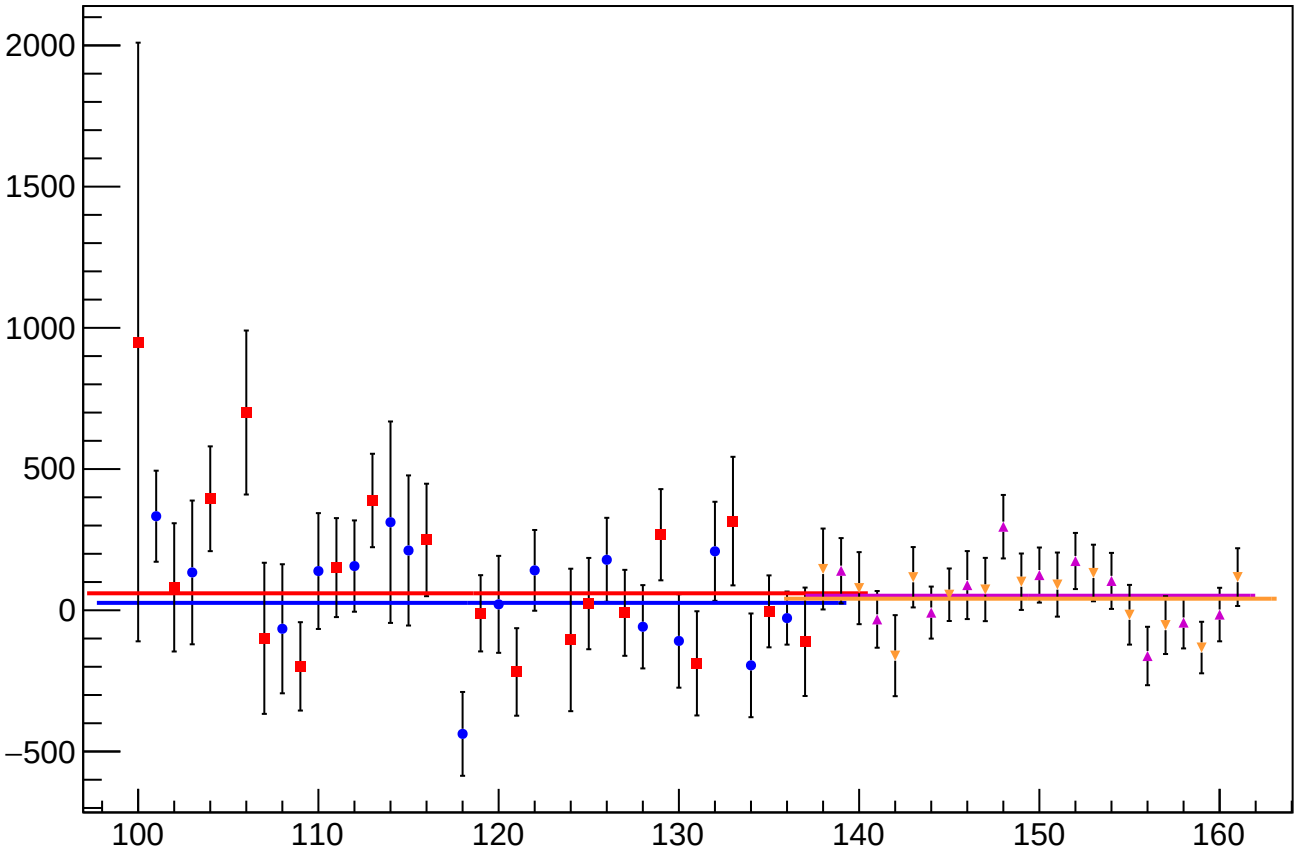
Left: 744.357+/-0.121 χ^2/NDF: 1492760.9/23

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 852.937+/-0.156 χ^2/NDF:3255741.0/26

Out: 854.135+/-0.151 χ^2/NDF:3647262.1/31

All: 853.553+/-0.109 χ^2/NDF: 6903033.6/58



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 40.973+/-29.880 χ^2/NDF:9.9/12

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 51.517+/-30.541 χ^2/NDF:14.7/10

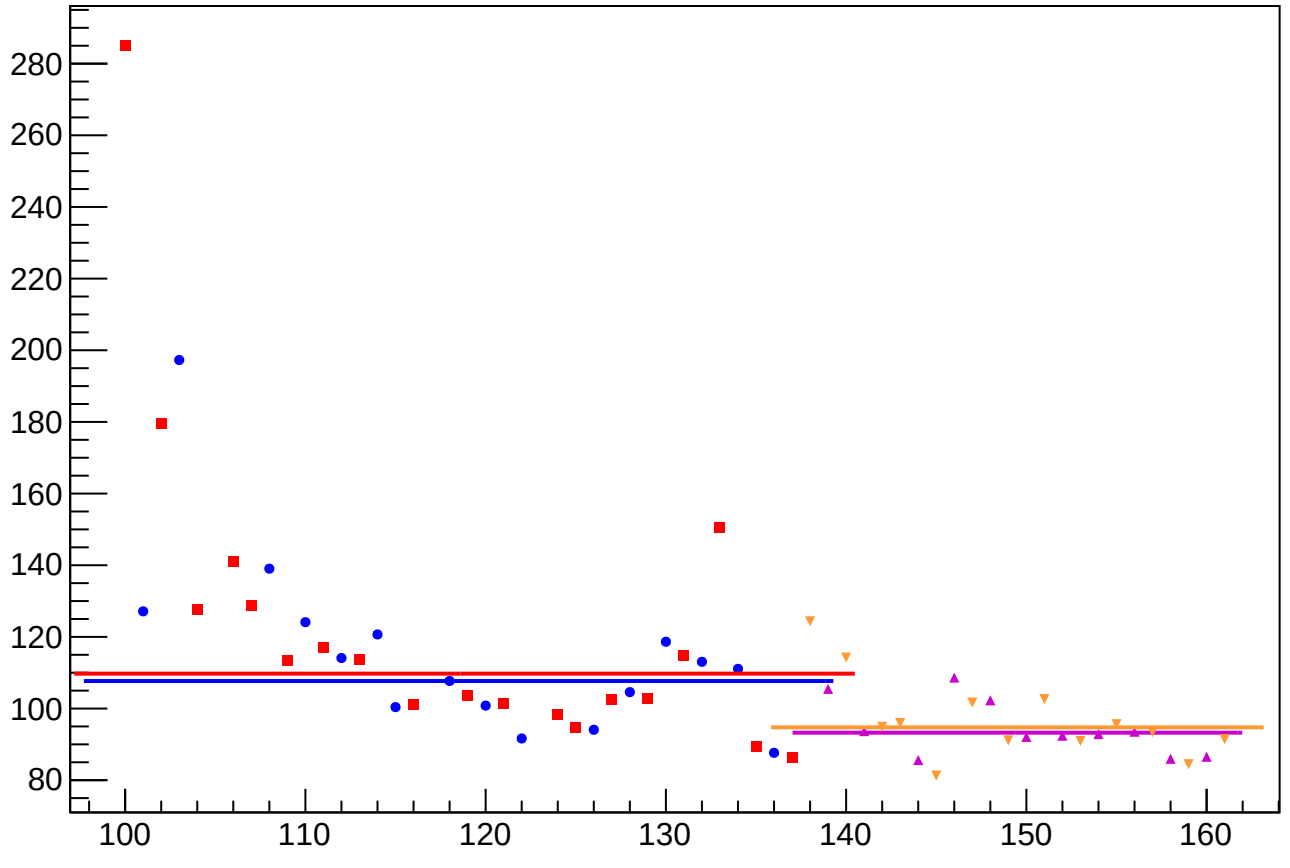
Left: 46.130+/-21.358 χ^2/NDF: 24.7/23

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 42.563+/-24.539 χ^2/NDF:36.3/26

Out: 47.503+/-24.254 χ^2/NDF:37.0/31

All: 45.062+/-17.250 χ^2/NDF: 73.4/58



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.756+/-0.021 χ^2/NDF:224846.7/12

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.262+/-0.022 χ^2/NDF:105005.7/10

Left: 94.025+/-0.015 χ^2/NDF: 332296.9/23

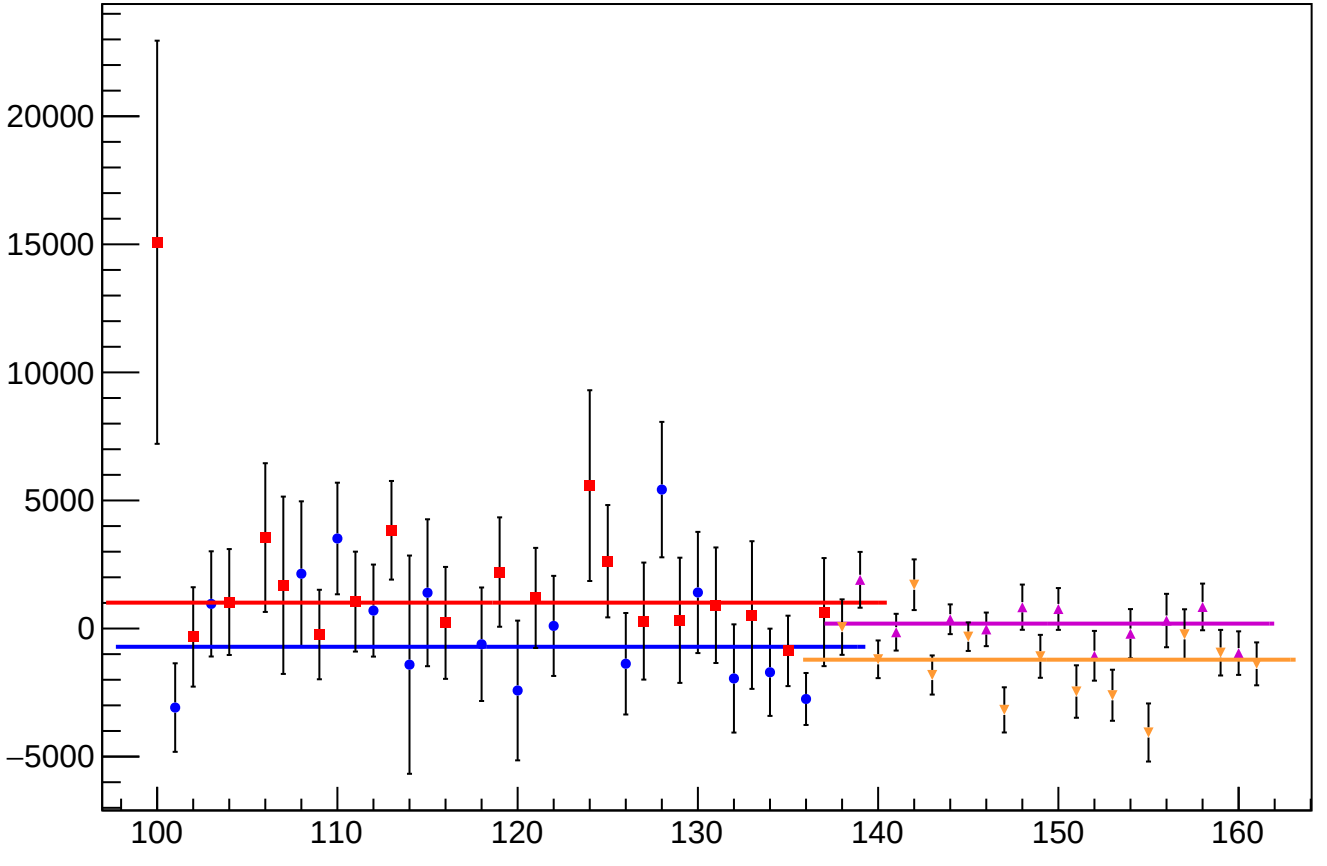
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 98.372+/-0.017 χ^2/NDF:746074.6/26

Out: 99.867+/-0.017 χ^2/NDF:888168.9/31

All: 99.128+/-0.012 χ^2/NDF: 1637999.1/58

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: -1216.436+/-236.762 χ^2/NDF:29.2/12

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 191.810+/-246.131 χ^2/NDF:8.1/10

Left: -539.625+/-170.632 χ^2/NDF: 54.3/23

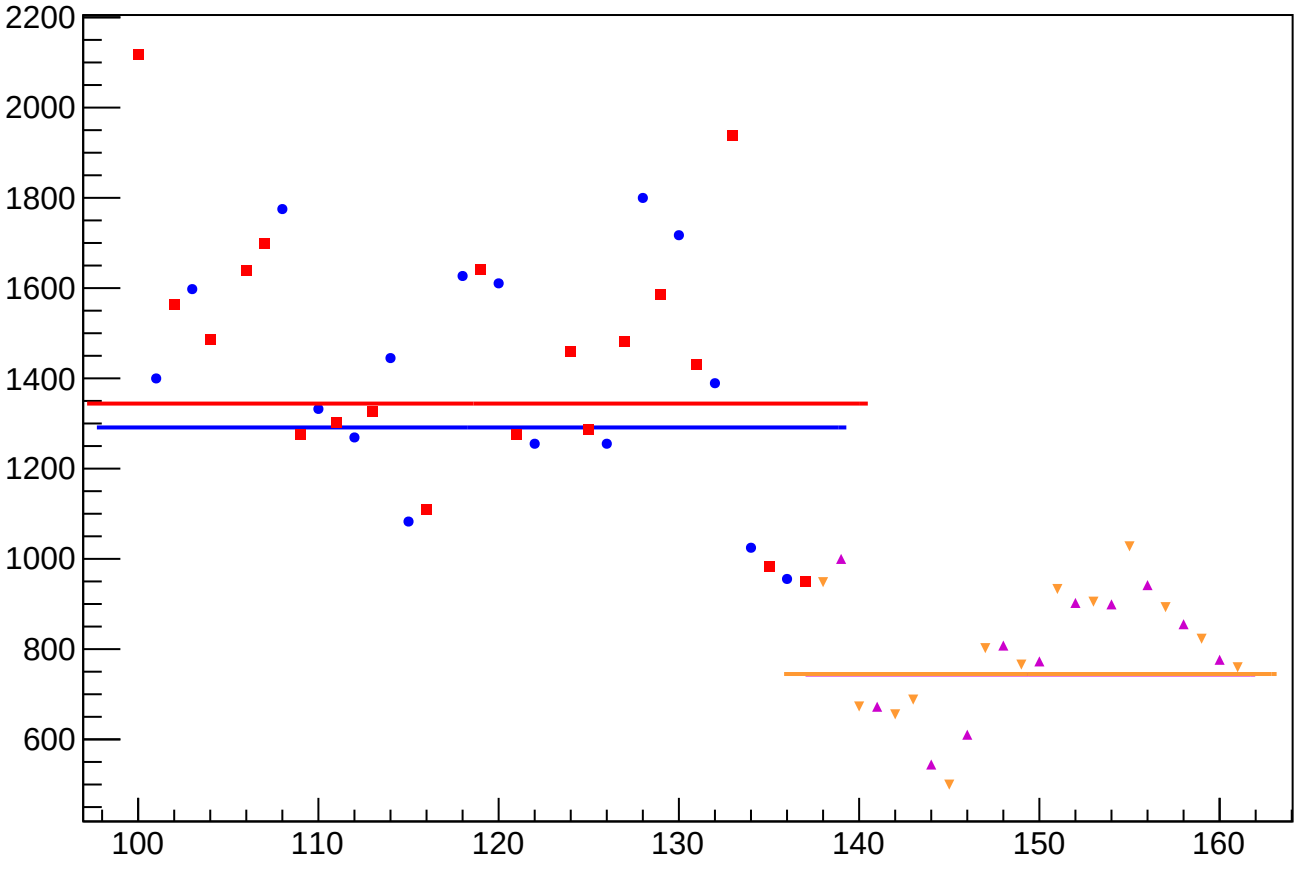
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 11.452+/-220.235 χ^2/NDF:30.9/26

Out: -810.371+/-214.091 χ^2/NDF:57.0/31

All: -411.081+/-153.511 χ^2/NDF: 95.1/58

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 744.867+/-0.167 χ^2/NDF:820185.4/12

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 743.803+/-0.174 χ^2/NDF:672563.9/10

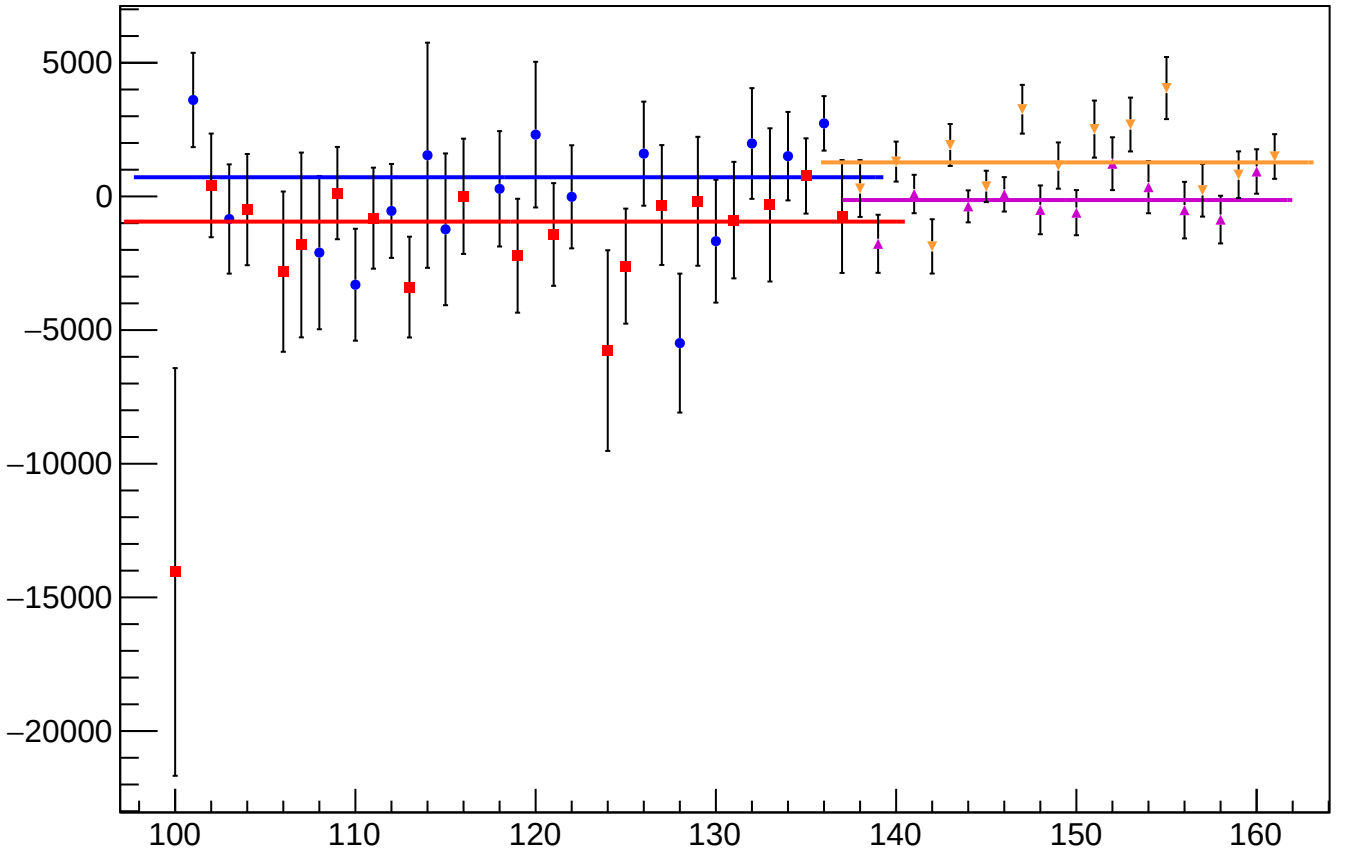
Left: 744.356+/-0.121 χ^2/NDF: 1492768.8/23

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 852.935+/-0.156 χ^2/NDF:3255734.7/26

Out: 854.133+/-0.151 χ^2/NDF:3647268.4/31

All: 853.551+/-0.109 χ^2/NDF: 6903033.5/58



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1273.362+/-241.848 χ^2/NDF:28.8/12

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -135.481+/-248.009 χ^2/NDF:7.7/10

Left: 586.656+/-173.150 χ^2/NDF: 53.0/23

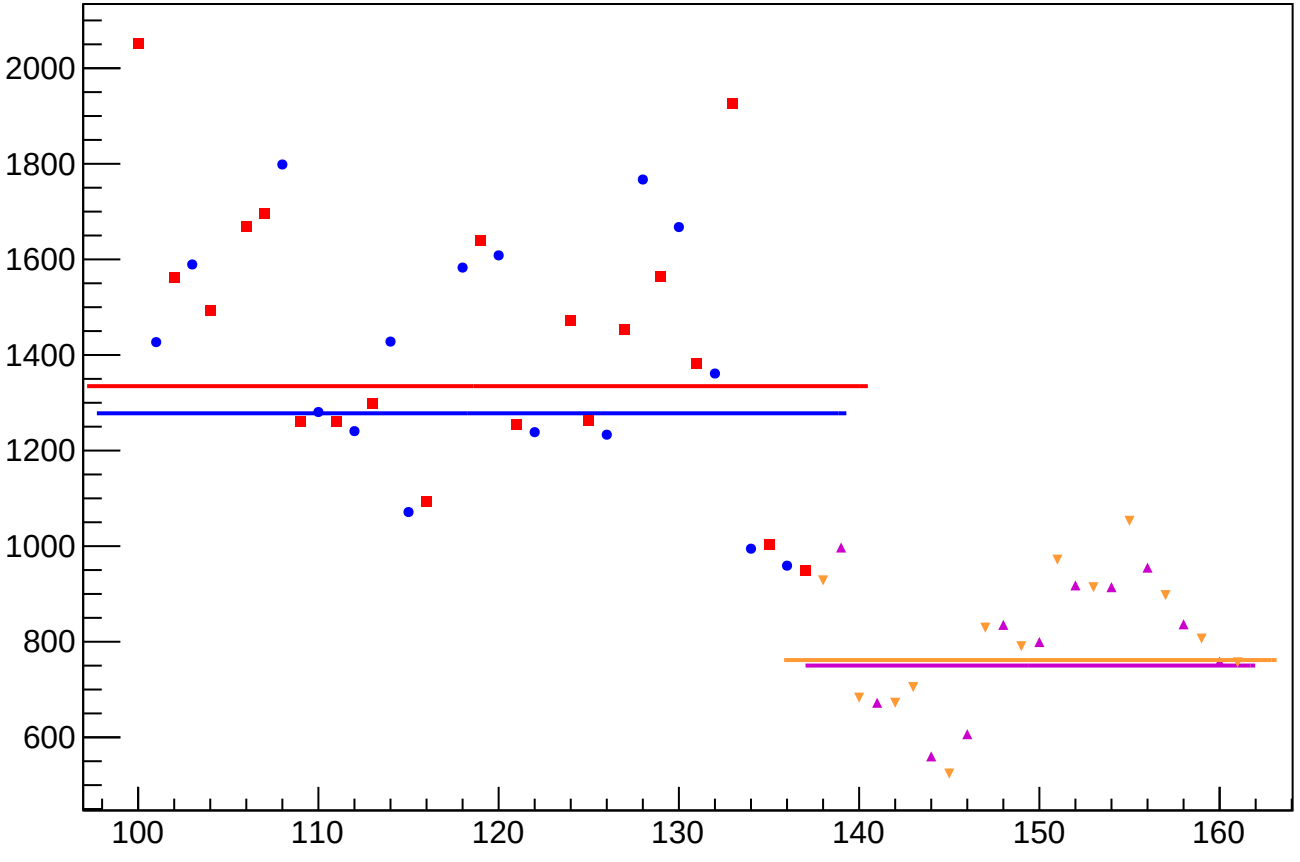
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 39.495+/-221.117 χ^2/NDF:31.1/26

Out: 850.600+/-217.555 χ^2/NDF:55.4/31

All: 451.633+/-155.079 χ^2/NDF: 93.3/58

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 761.664+/-0.171 χ^2/NDF:730910.3/12

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 750.184+/-0.175 χ^2/NDF:659931.2/10

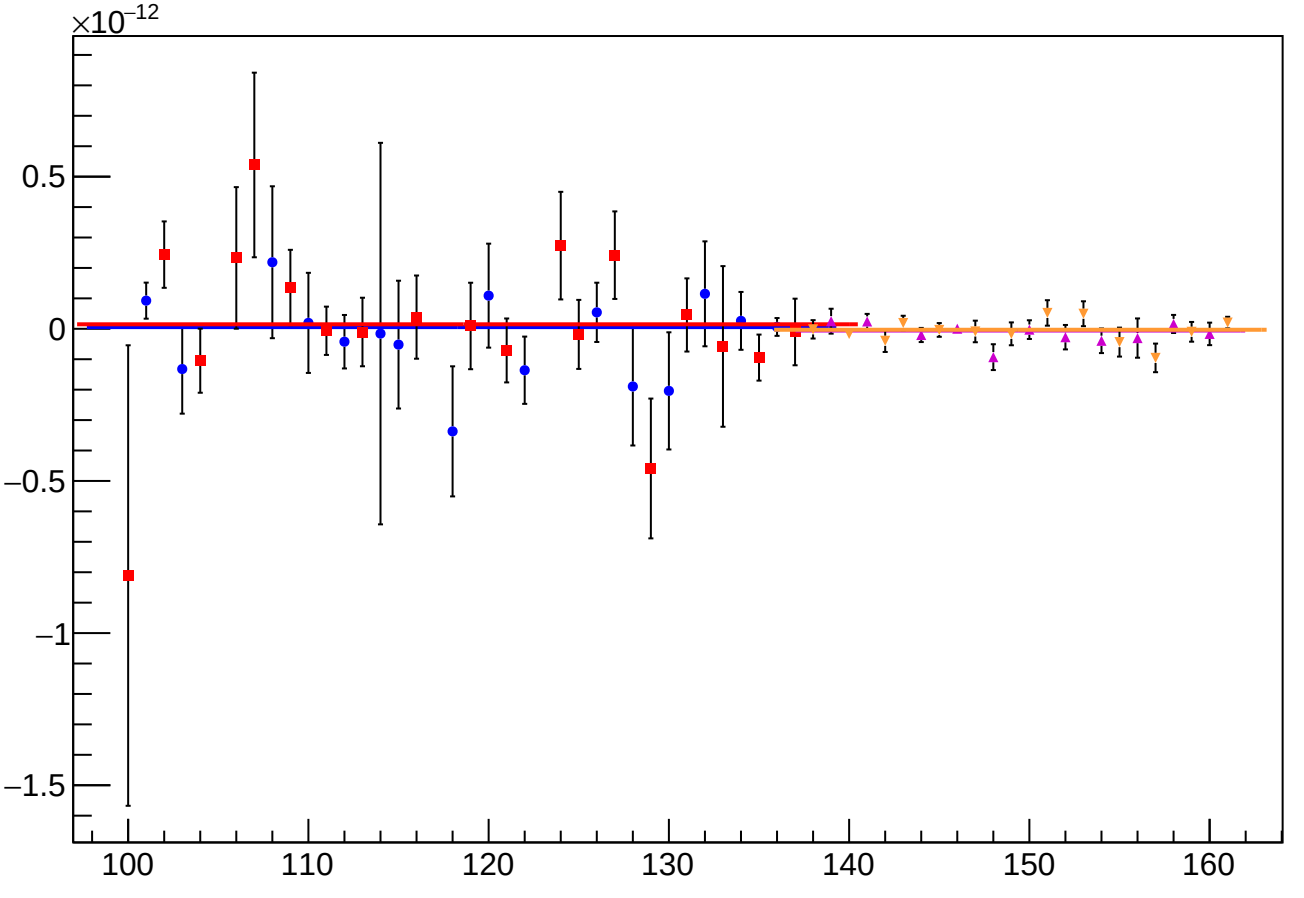
Left: 756.068+/-0.122 χ^2/NDF: 1393038.2/23

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 858.438+/-0.156 χ^2/NDF:3115424.2/26

Out: 871.017+/-0.154 χ^2/NDF:3345753.8/31

All: 864.830+/-0.110 χ^2/NDF: 6464466.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/10

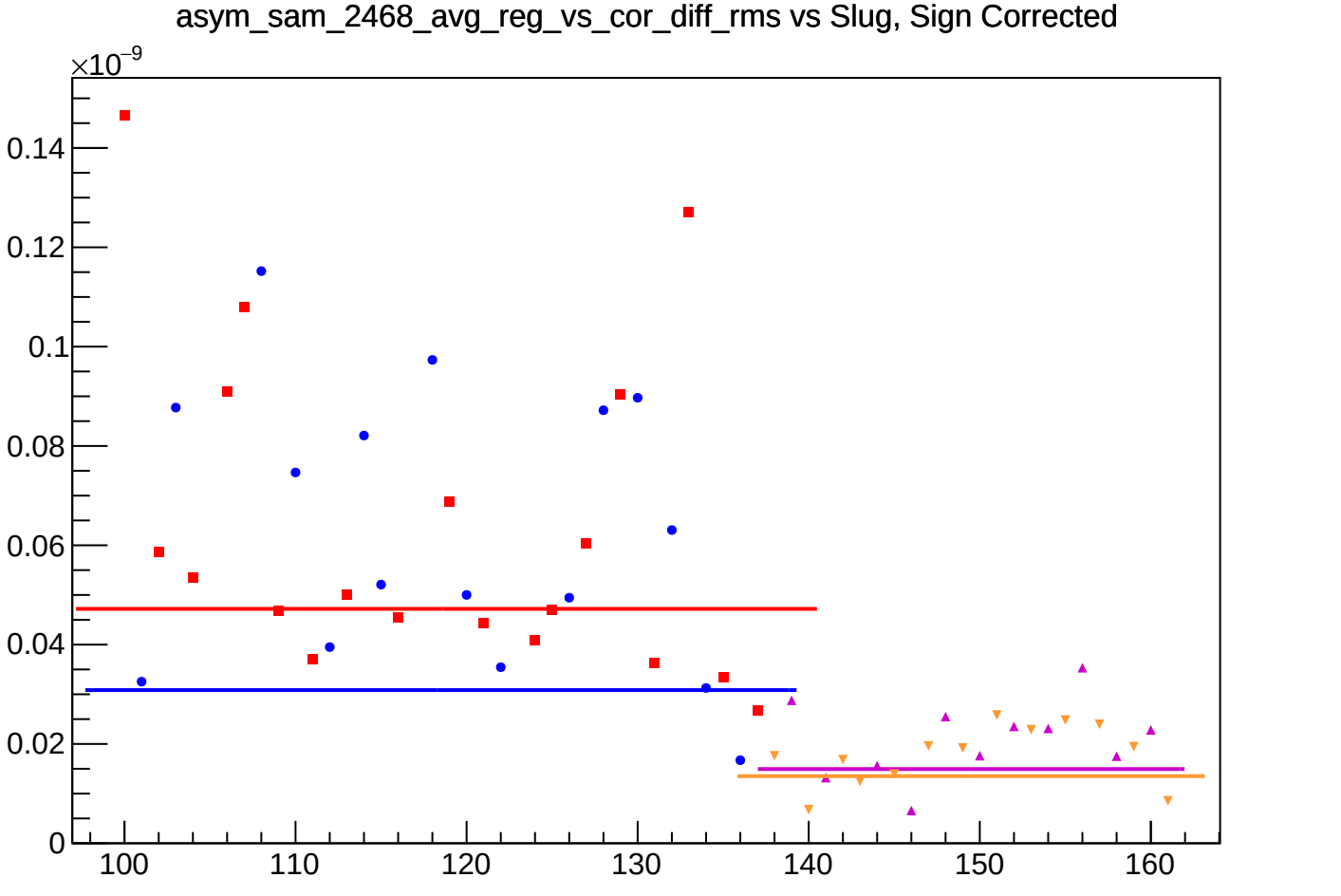
Left: -0.000+/-0.000 χ^2/NDF: 21.0/23

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:20.5/26

Out: -0.000+/-0.000 χ^2/NDF:36.6/31

All: -0.000+/-0.000 χ^2/NDF: 57.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1249676.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1515636.0/10

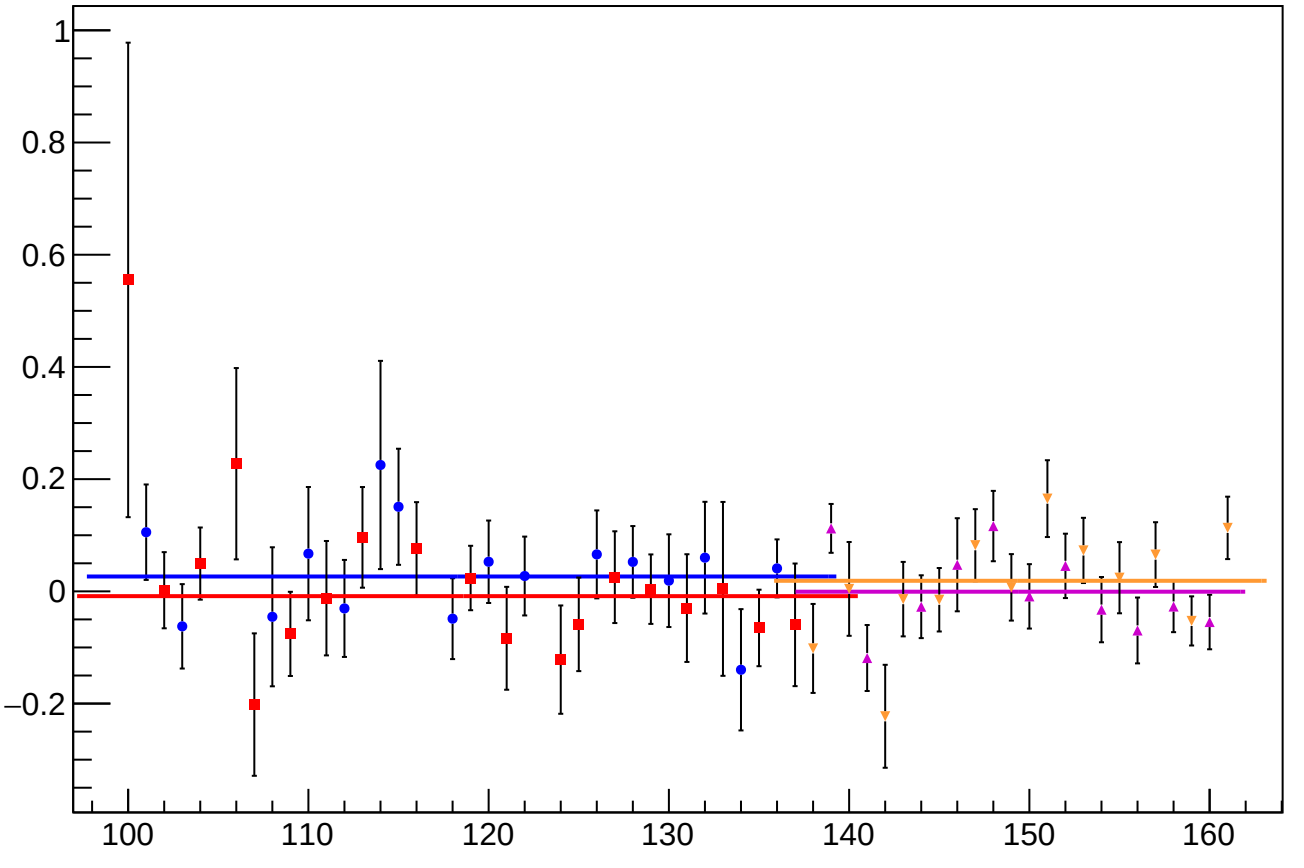
Left: 0.000+/-0.000 χ^2/NDF: 2796627.3/23

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4367828.7/26

Out: 0.000+/-0.000 χ^2/NDF:4558172.7/31

All: 0.000+/-0.000 χ^2/NDF: 8956610.2/58



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.017 χ^2/NDF:18.7/10

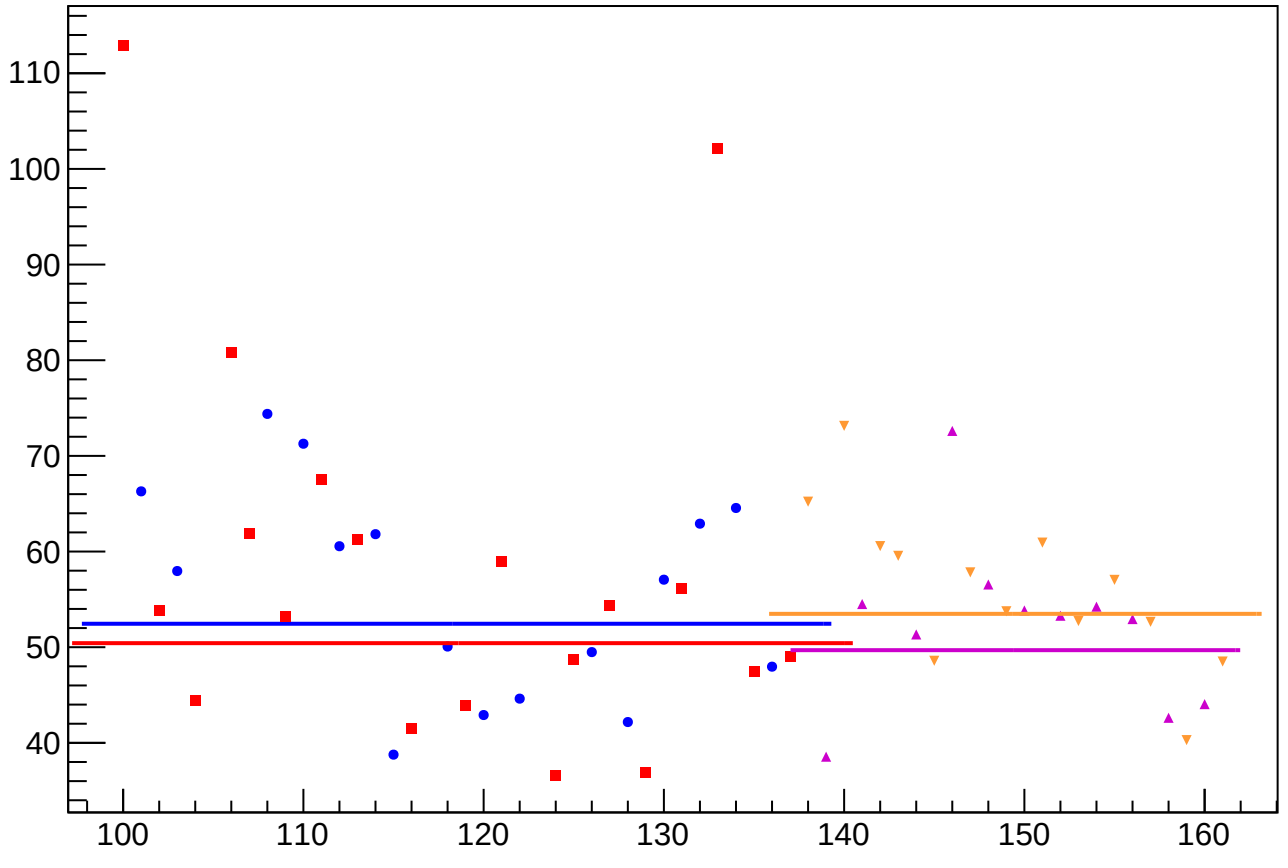
Left: 0.009+/-0.012 χ^2/NDF: 41.9/23

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.007+/-0.013 χ^2/NDF:37.6/31

All: 0.009+/-0.009 χ^2/NDF: 67.3/58



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435403.4/12

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

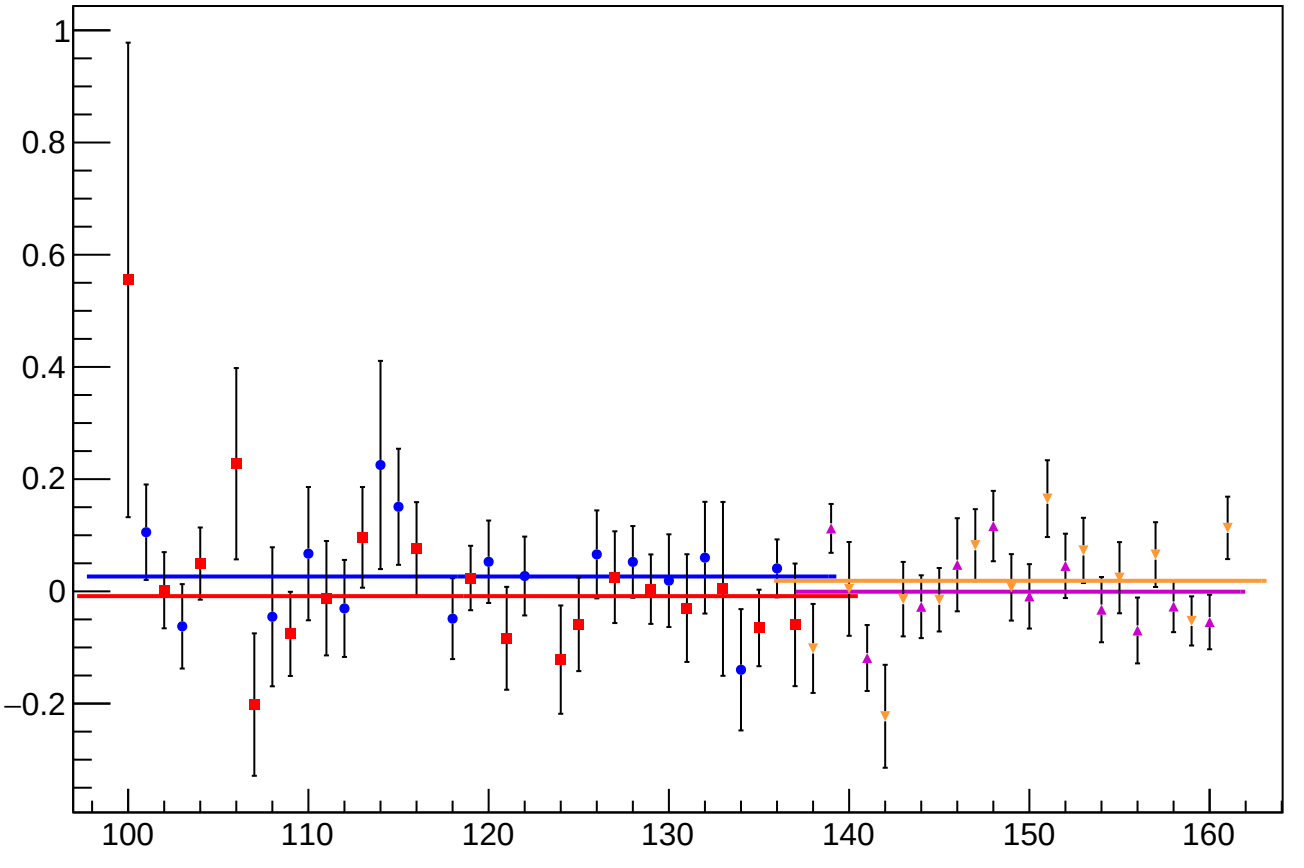
Left: 51.523+/-0.008 χ^2/NDF: 919916.9/23

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.790+/-0.009 χ^2/NDF:874035.5/26

Out: 52.146+/-0.009 χ^2/NDF:1139987.5/31

All: 51.468+/-0.006 χ^2/NDF: 2025122.0/58



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.017 χ^2/NDF:18.7/10

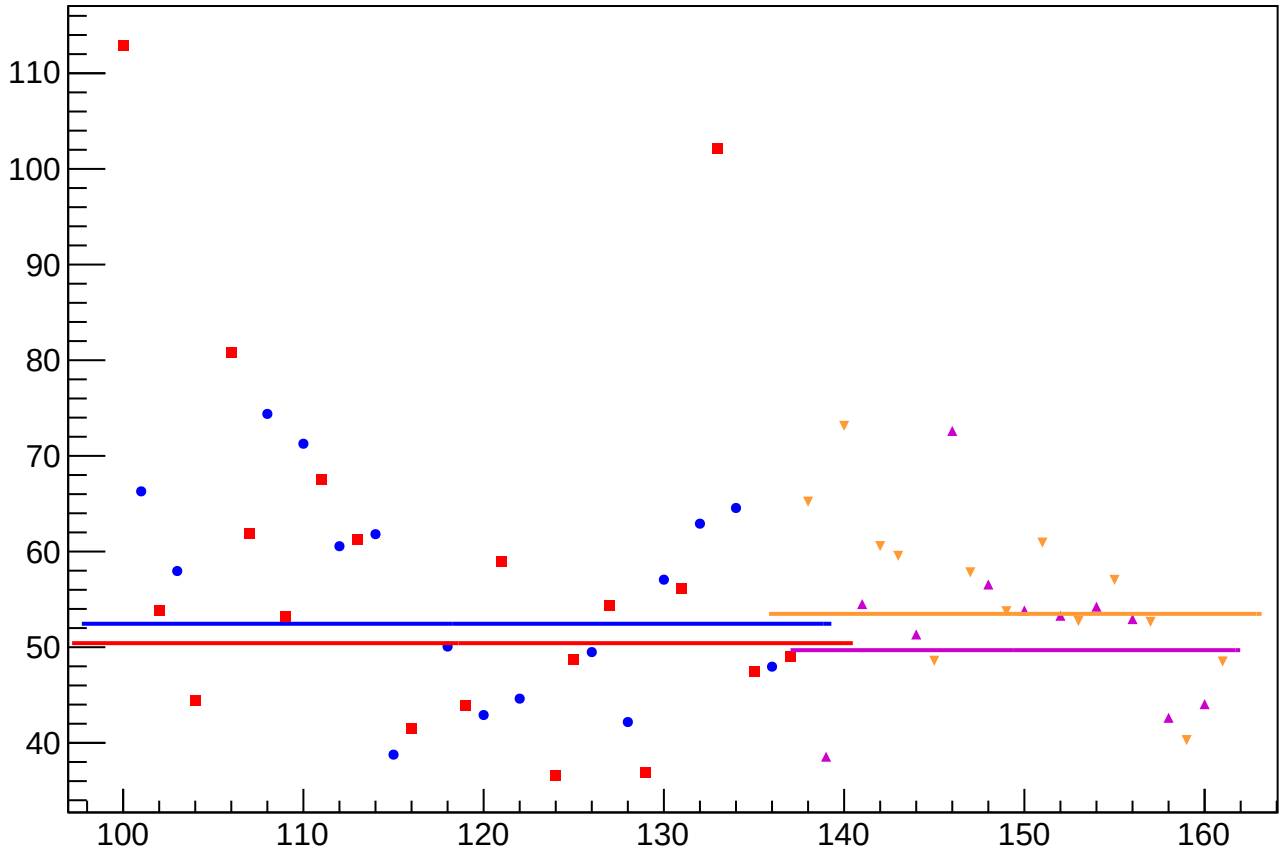
Left: 0.009+/-0.012 χ^2/NDF: 41.9/23

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.007+/-0.013 χ^2/NDF:37.6/31

All: 0.009+/-0.009 χ^2/NDF: 67.3/58



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435403.4/12

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

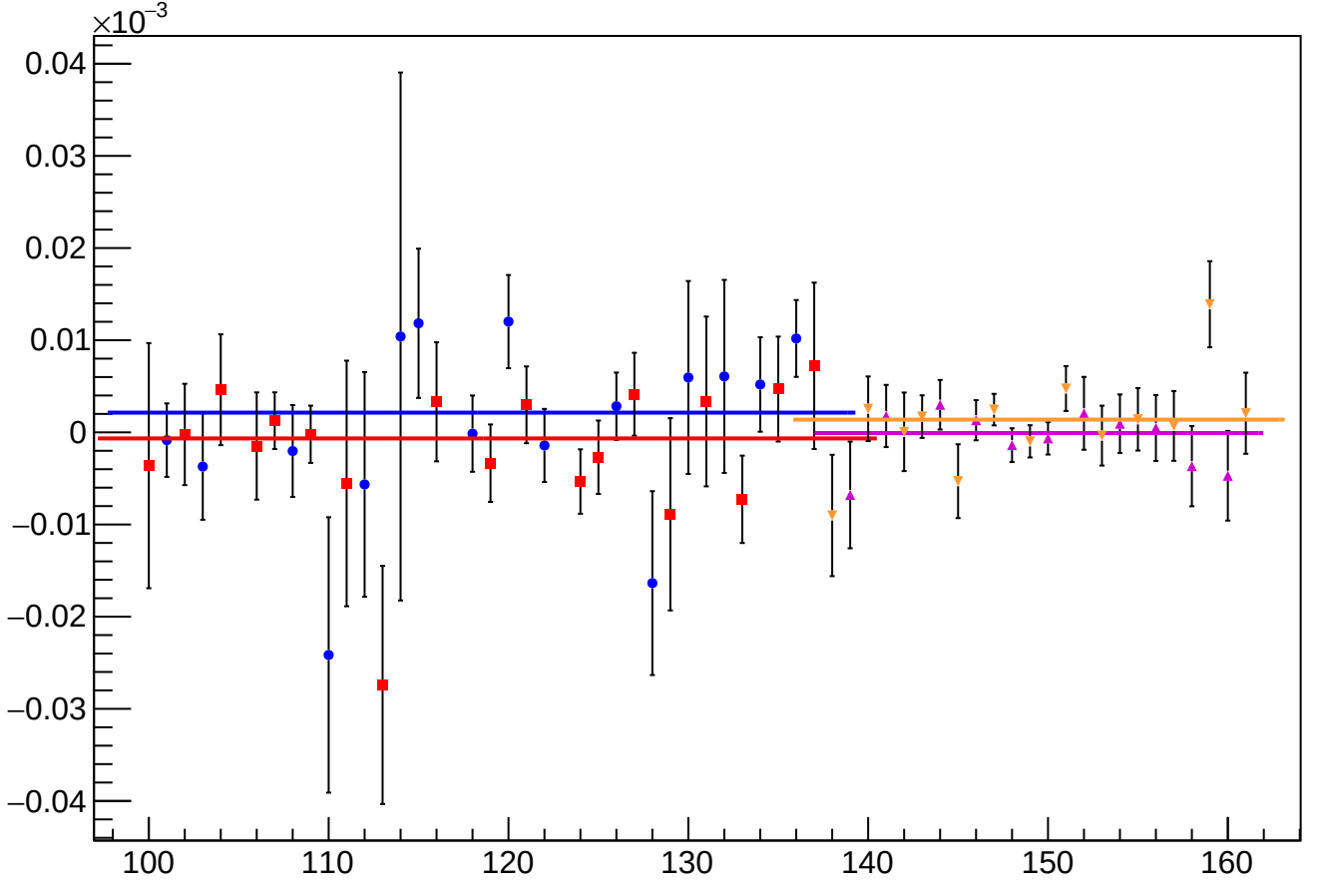
Left: 51.523+/-0.008 χ^2/NDF: 919916.9/23

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.790+/-0.009 χ^2/NDF:874035.5/26

Out: 52.146+/-0.009 χ^2/NDF:1139987.5/31

All: 51.468+/-0.006 χ^2/NDF: 2025122.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/10

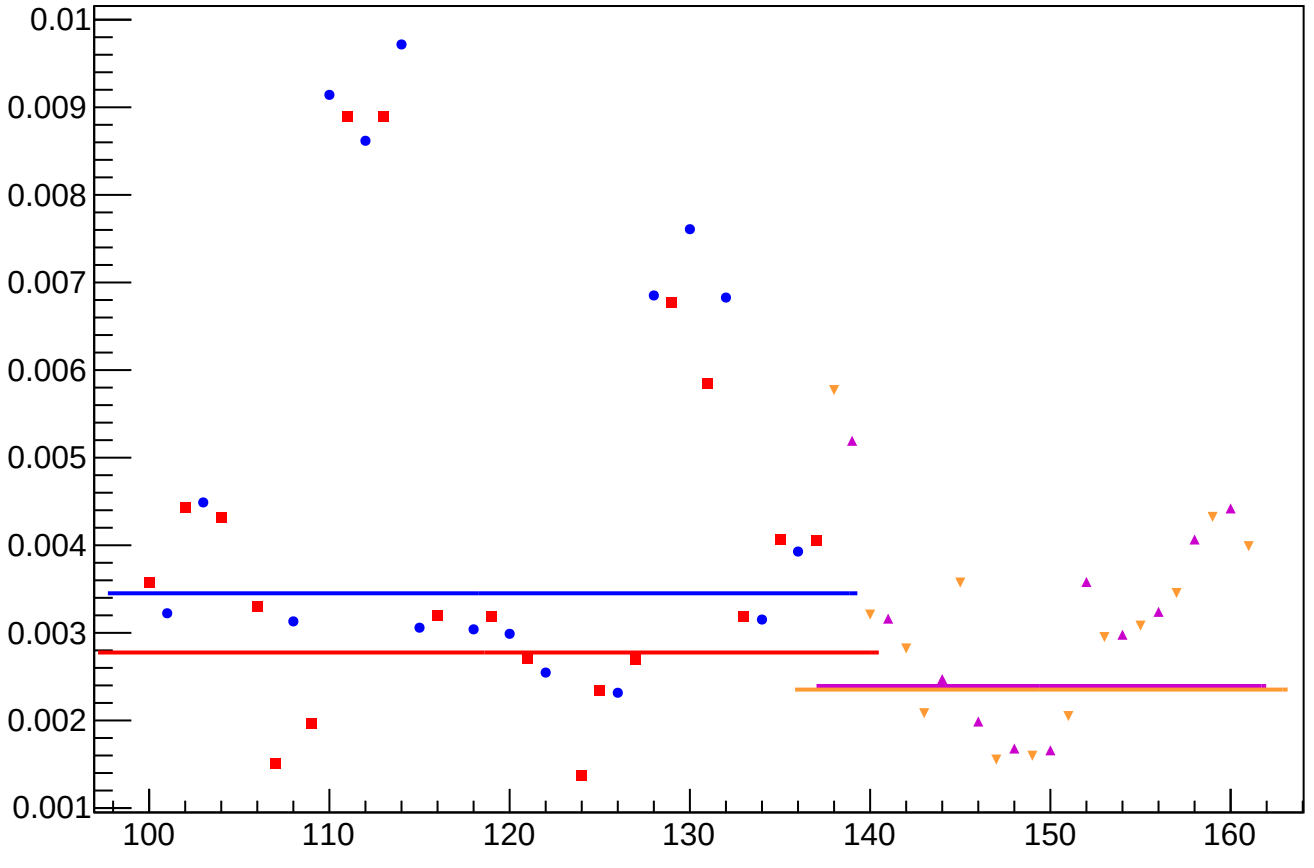
Left: 0.000+/-0.000 χ^2/NDF: 24.7/23

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:27.9/26

Out: 0.000+/-0.000 χ^2/NDF:34.1/31

All: 0.000+/-0.000 χ^2/NDF: 62.1/58



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2700302.6/12

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2298584.5/10

Left: 0.002+/-0.000 χ^2/NDF: 5001419.5/23

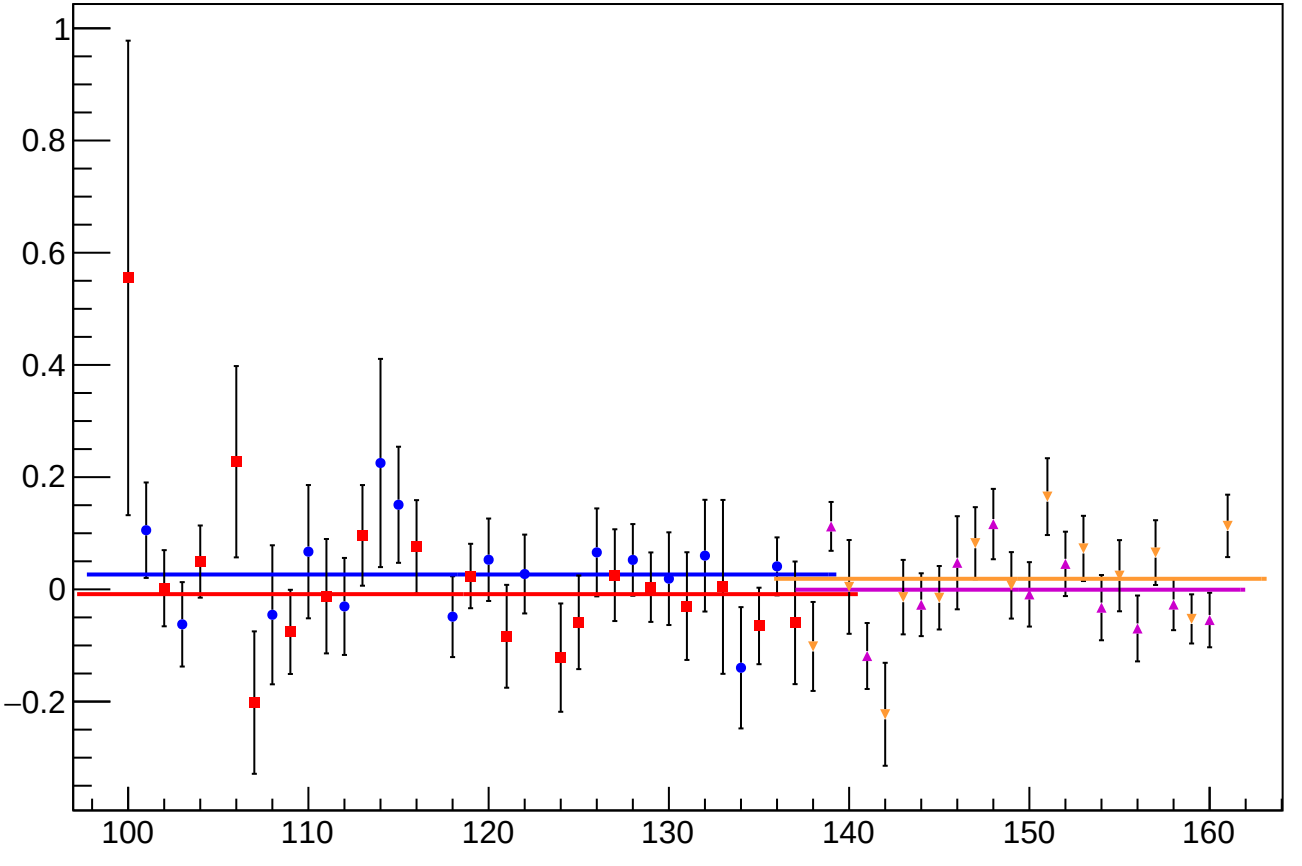
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5103797.9/26

Out: 0.002+/-0.000 χ^2/NDF:5619441.4/31

All: 0.003+/-0.000 χ^2/NDF: 10798404.4/58

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.017 χ^2/NDF:18.7/10

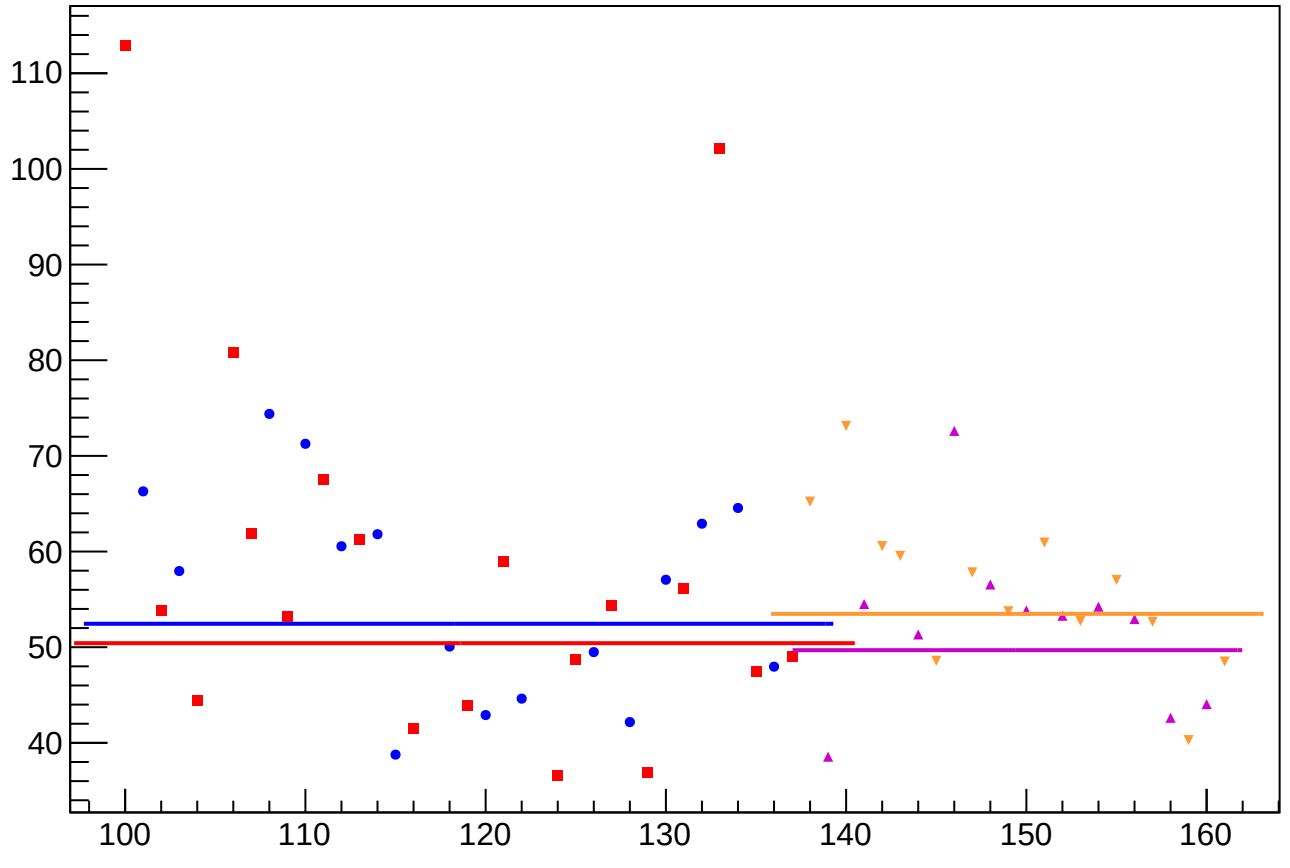
Left: 0.009+/-0.012 χ^2/NDF: 41.9/23

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.007+/-0.013 χ^2/NDF:37.6/31

All: 0.009+/-0.009 χ^2/NDF: 67.3/58



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435421.4/12

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

Left: 51.524+/-0.008 χ^2/NDF: 920012.9/23

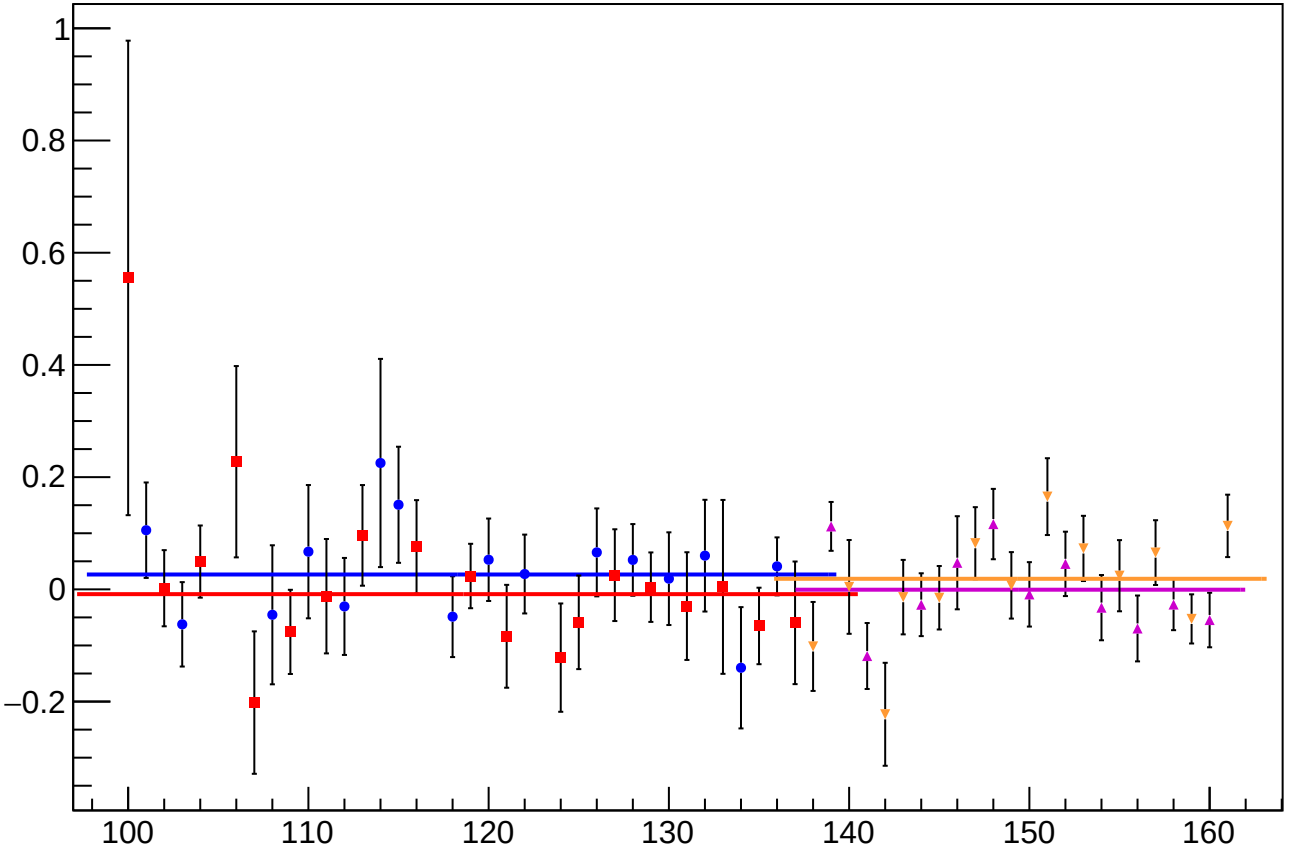
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.789+/-0.009 χ^2/NDF:874040.6/26

Out: 52.146+/-0.009 χ^2/NDF:1140038.8/31

All: 51.467+/-0.006 χ^2/NDF: 2025179.4/58

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: 0.019+/-0.017 χ^2/NDF:22.5/12

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.017 χ^2/NDF:18.7/10

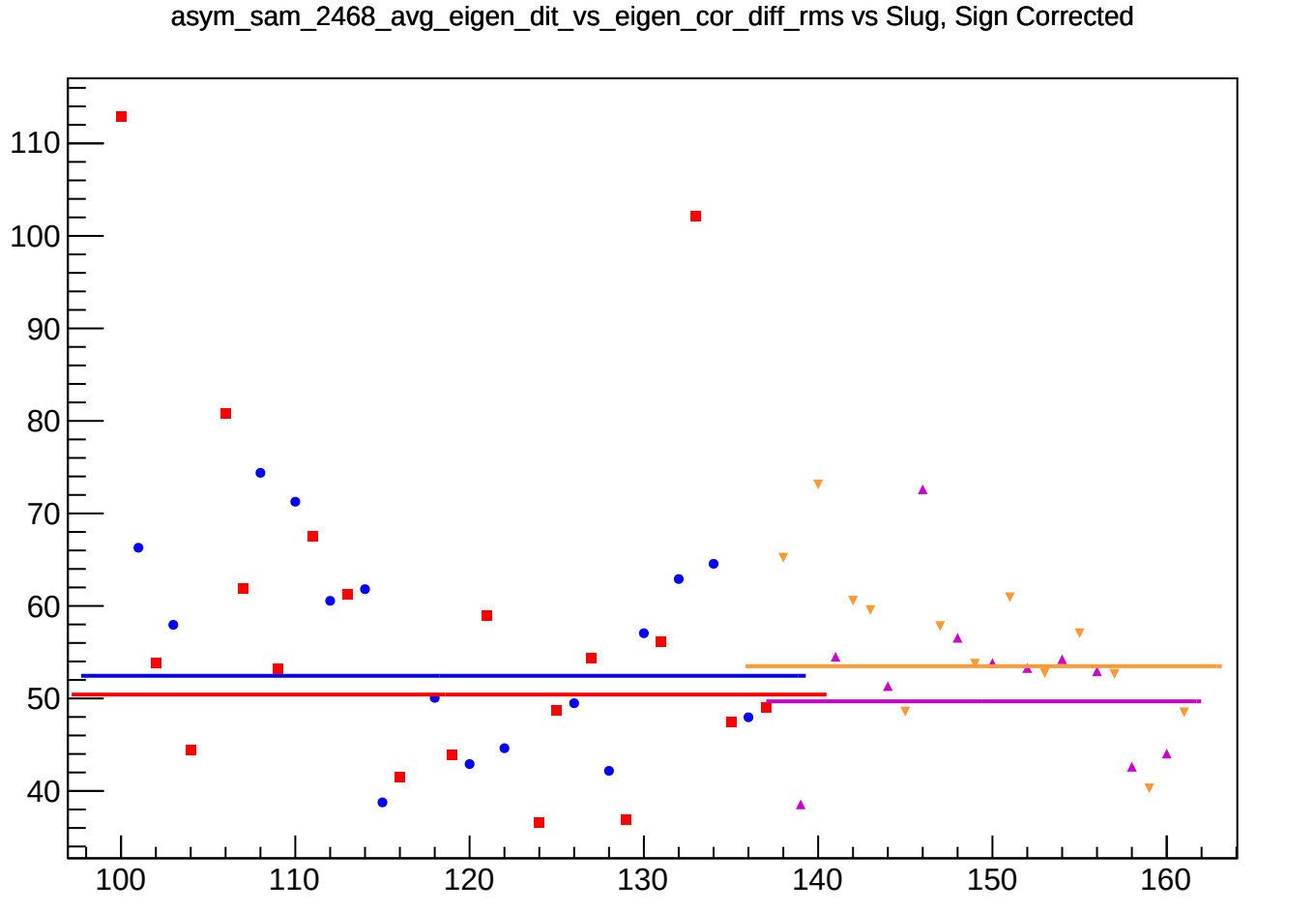
Left: 0.009+/-0.012 χ^2/NDF: 41.9/23

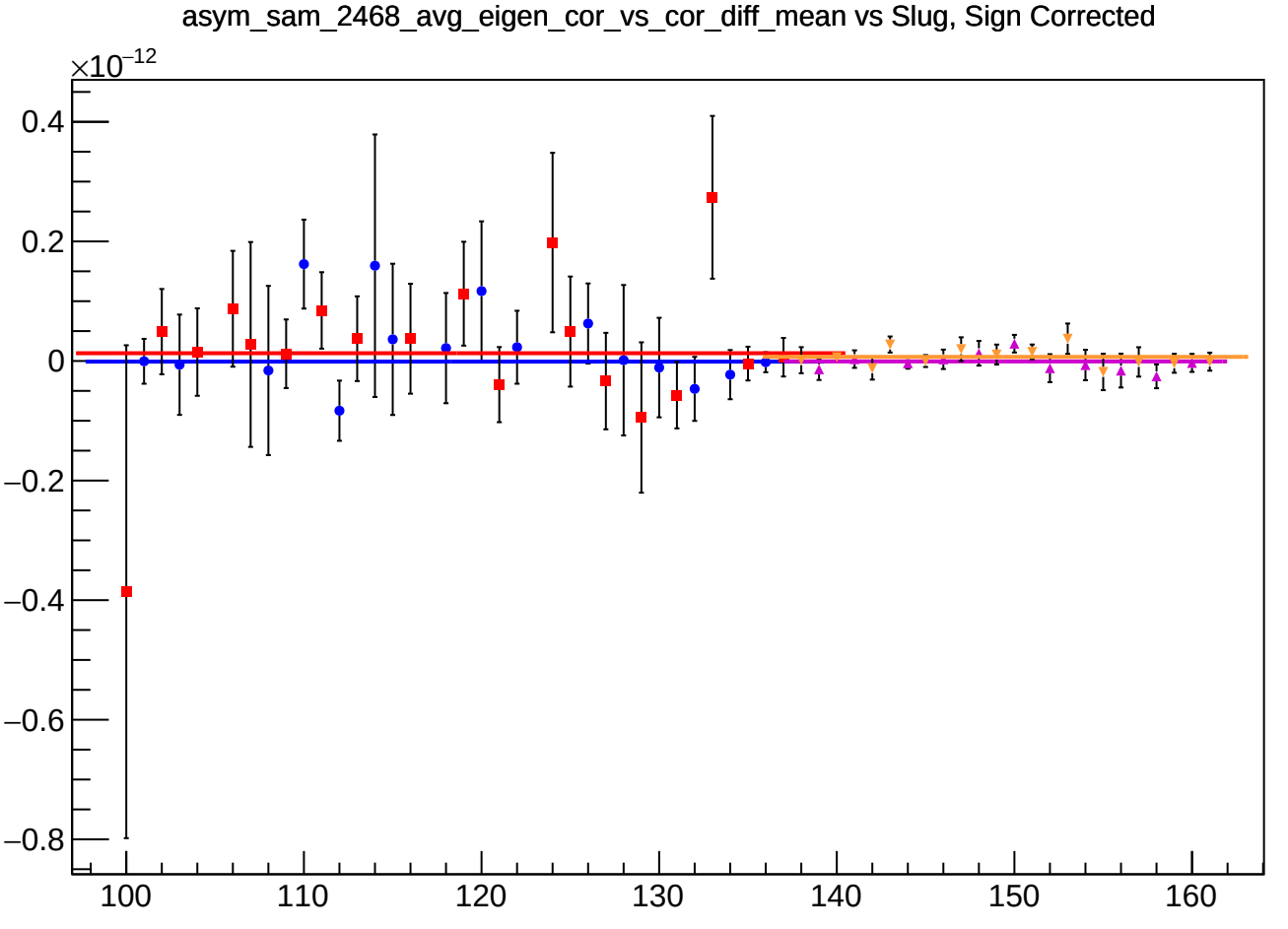
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.010+/-0.013 χ^2/NDF:29.7/26

Out: 0.007+/-0.013 χ^2/NDF:37.6/31

All: 0.009+/-0.009 χ^2/NDF: 67.3/58


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 53.487+/-0.012 χ²/NDF:435421.4/12
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 49.690+/-0.012 χ²/NDF:434051.8/10
Left: 51.524+/-0.008 χ²/NDF: 920012.9/23
Right: 51.389+/-0.010 χ²/NDF: 1105059.9/34
In: 50.789+/-0.009 χ²/NDF:874040.6/26
Out: 52.146+/-0.009 χ²/NDF:1140038.8/31
All: 51.467+/-0.006 χ²/NDF: 2025179.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

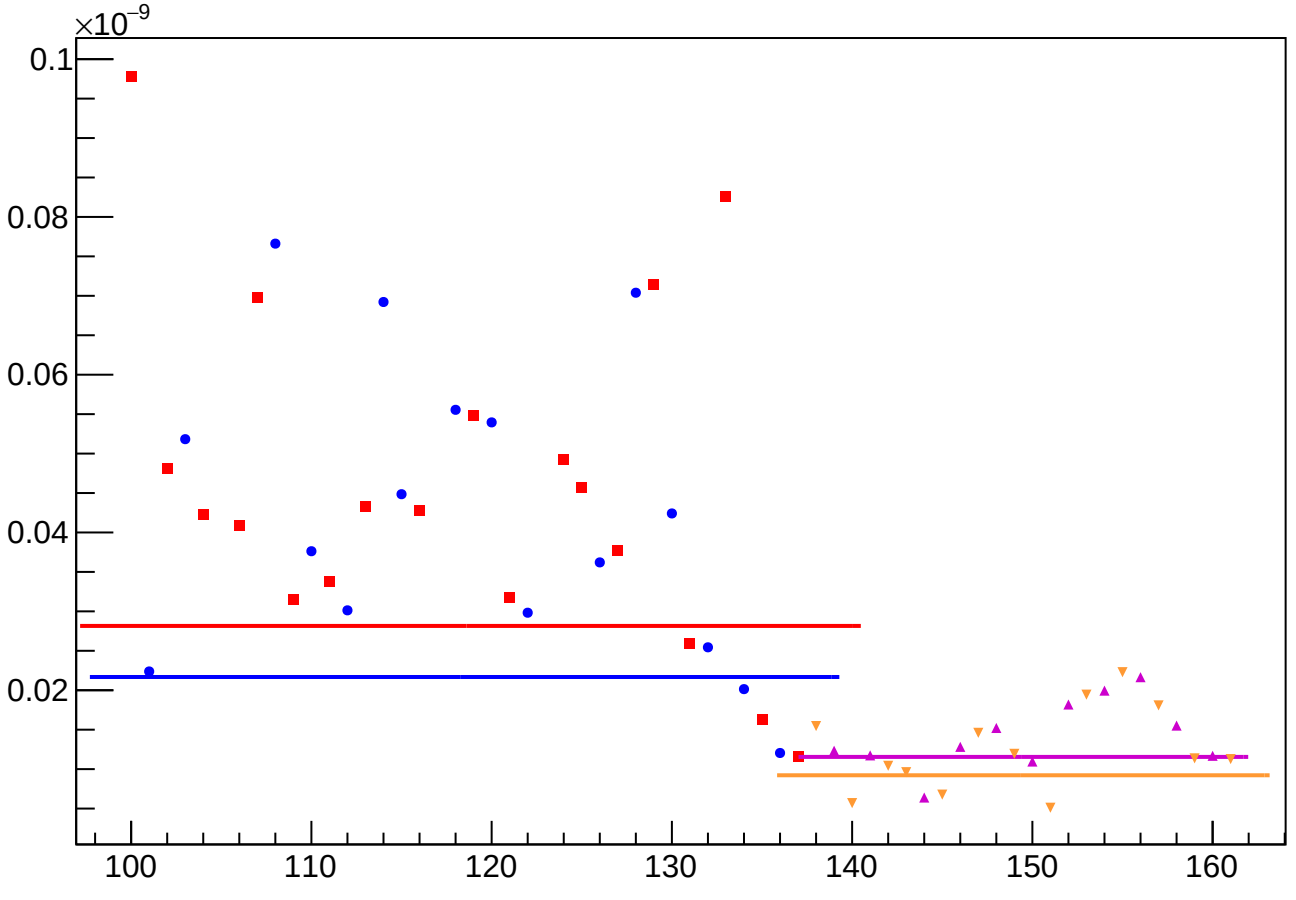
Left: 0.000+/-0.000 χ^2/NDF: 16.7/23

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:18.7/26

Out: 0.000+/-0.000 χ^2/NDF:21.6/31

All: 0.000+/-0.000 χ^2/NDF: 42.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2110774.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1440259.0/10

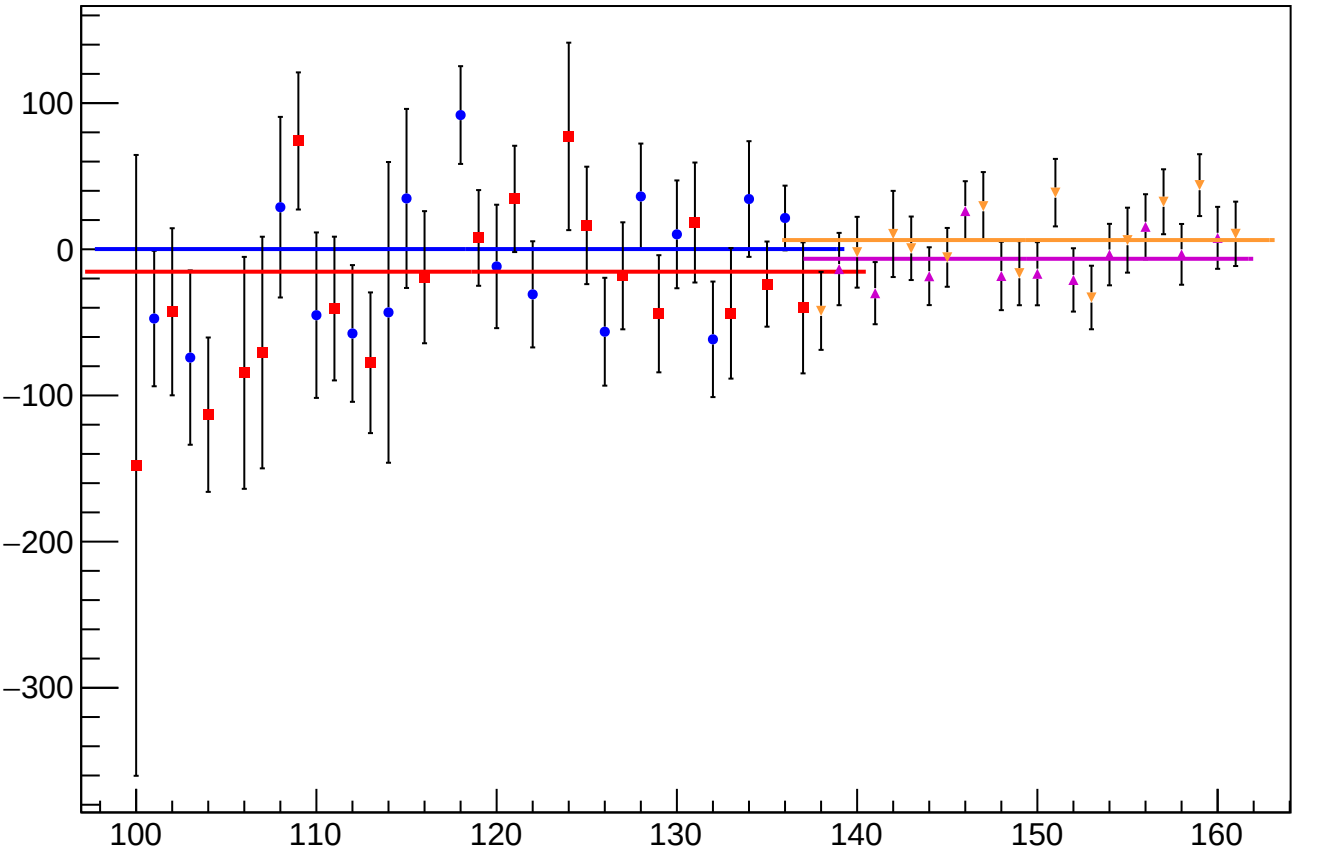
Left: 0.000+/-0.000 χ^2/NDF: 3820847.2/23

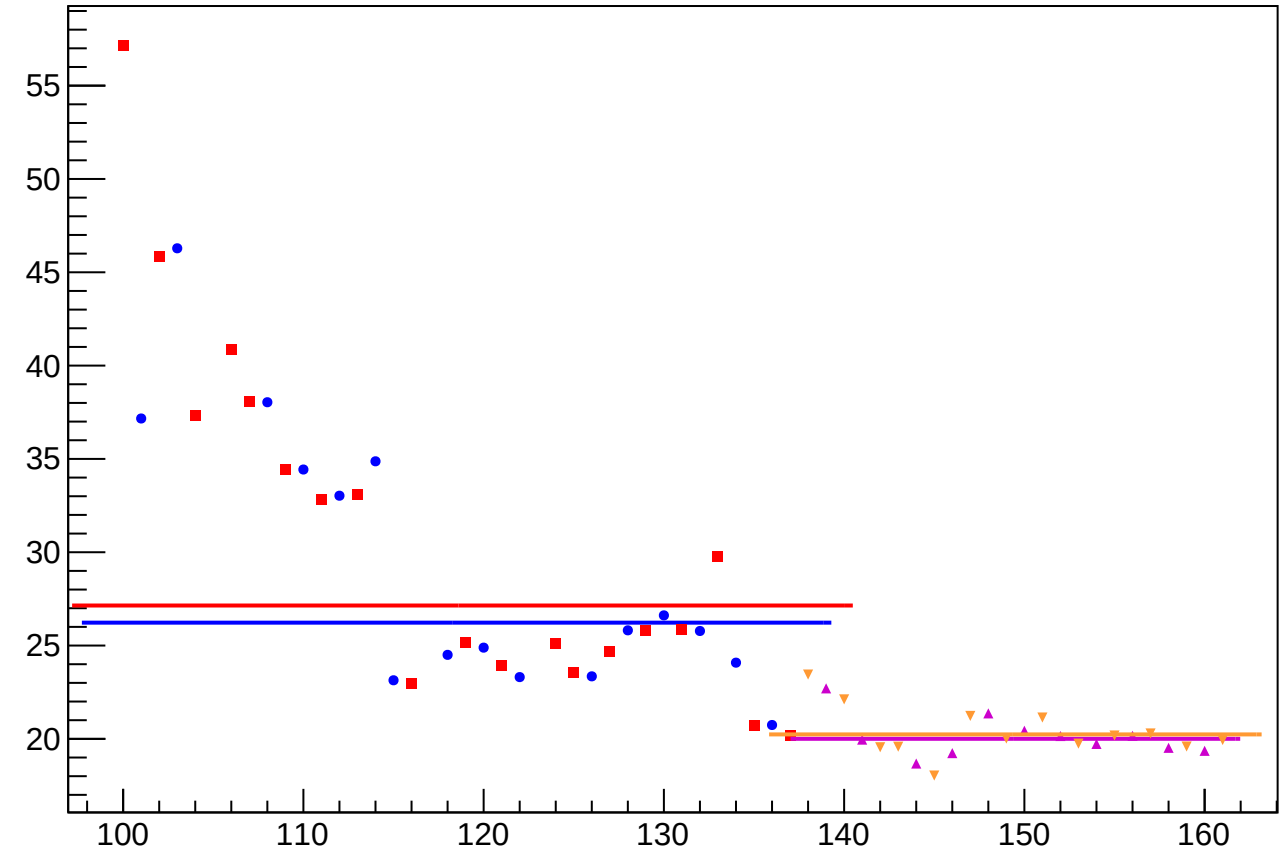
Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5190061.4/26

Out: 0.000+/-0.000 χ^2/NDF:7653777.6/31

All: 0.000+/-0.000 χ^2/NDF: 13163757.4/58


reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 0.155+/-10.048 χ²/NDF: 21.3/15
Left Out: 6.311+/-6.312 χ²/NDF:15.7/12
Right Out: -15.333+/-10.267 χ²/NDF: 17.9/18
Left In: -6.502+/-6.493 χ²/NDF:6.6/10
Left: 0.086+/-4.526 χ²/NDF: 24.3/23
Right: -7.422+/-7.181 χ²/NDF: 40.4/34
In: -4.541+/-5.453 χ²/NDF:28.2/26
Out: 0.375+/-5.377 χ²/NDF:36.9/31
All: -2.048+/-3.829 χ²/NDF: 65.6/58



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

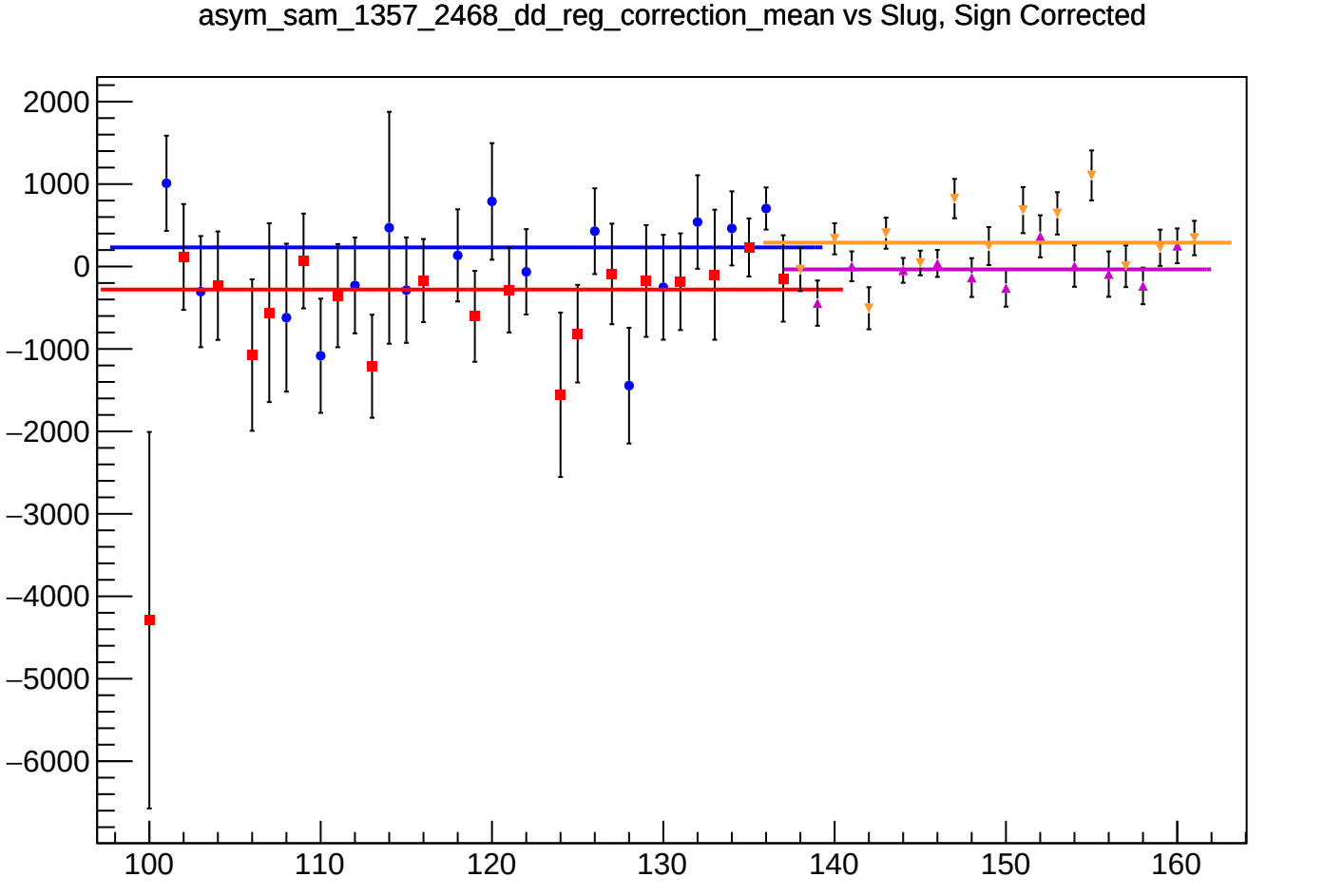
Left: 20.124+/-0.003 χ^2/NDF: 126091.4/23

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

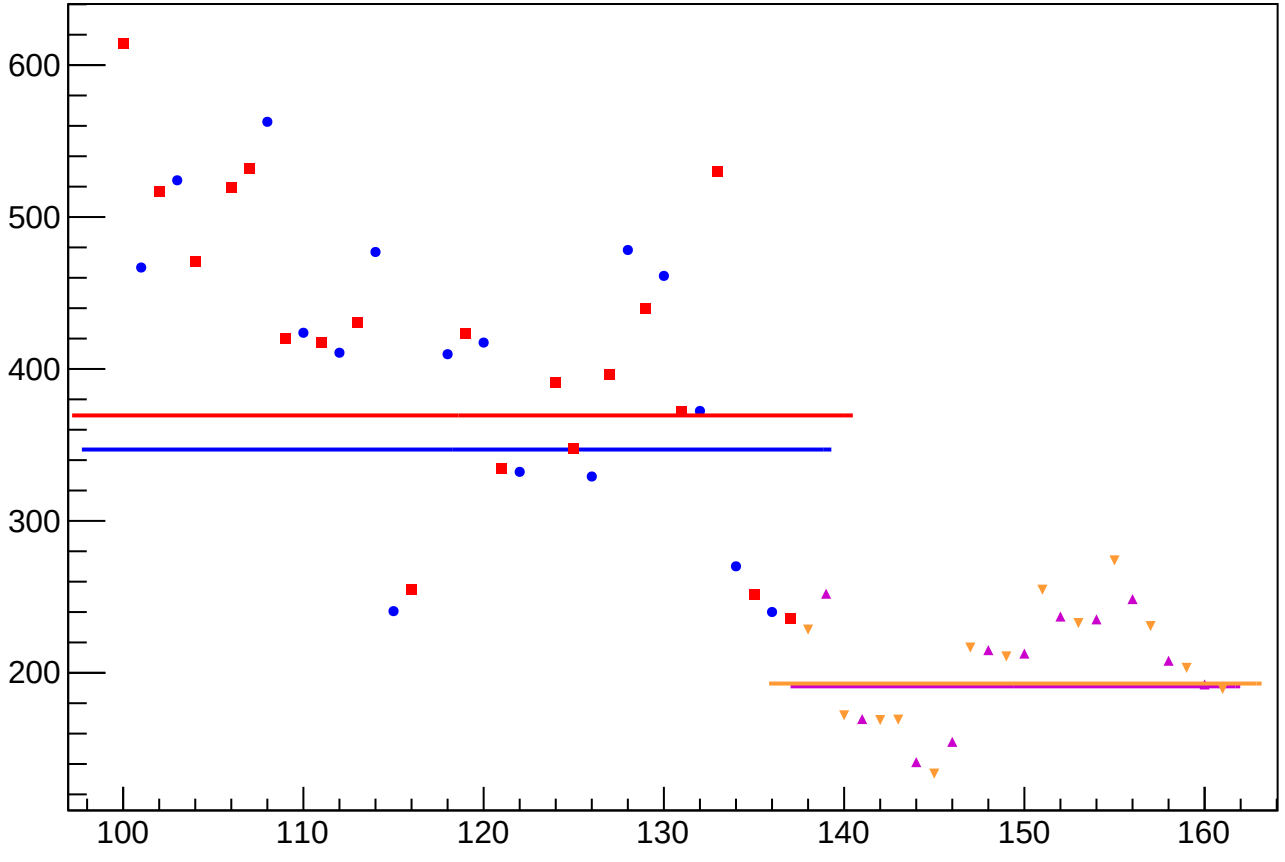
In: 21.836+/-0.004 χ^2/NDF:1264125.5/26

Out: 22.133+/-0.004 χ^2/NDF:1490215.2/31

All: 21.987+/-0.003 χ^2/NDF: 2757343.9/58


asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 290.063+/-61.382 χ²/NDF:32.1/12
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -34.749+/-63.260 χ²/NDF:8.9/10
Left: 132.550+/-44.053 χ²/NDF: 54.5/23
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: 13.370+/-57.273 χ²/NDF:31.7/26
Out: 198.264+/-56.214 χ²/NDF:58.0/31
All: 107.542+/-40.119 χ²/NDF: 95.1/58

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: 192.947+/-0.043 χ^2/NDF:795153.7/12

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 191.104+/-0.045 χ^2/NDF:708322.7/10

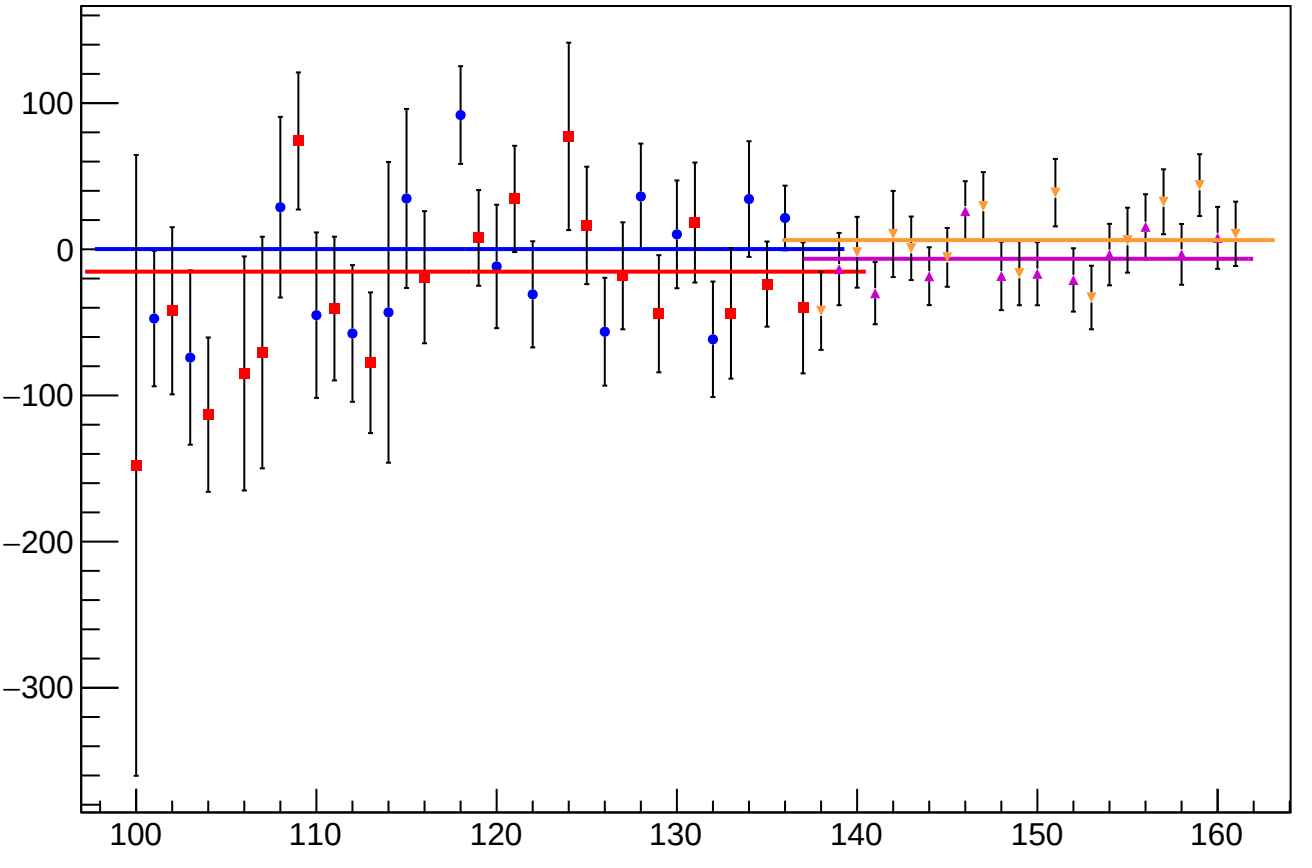
Left: 192.053+/-0.031 χ^2/NDF: 1504350.7/23

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.211+/-0.040 χ^2/NDF:3955776.3/26

Out: 221.412+/-0.040 χ^2/NDF:4380263.8/31

All: 220.332+/-0.028 χ^2/NDF: 8337543.8/58



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.310+/-6.312 χ^2/NDF:15.7/12

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -6.503+/-6.493 χ^2/NDF:6.6/10

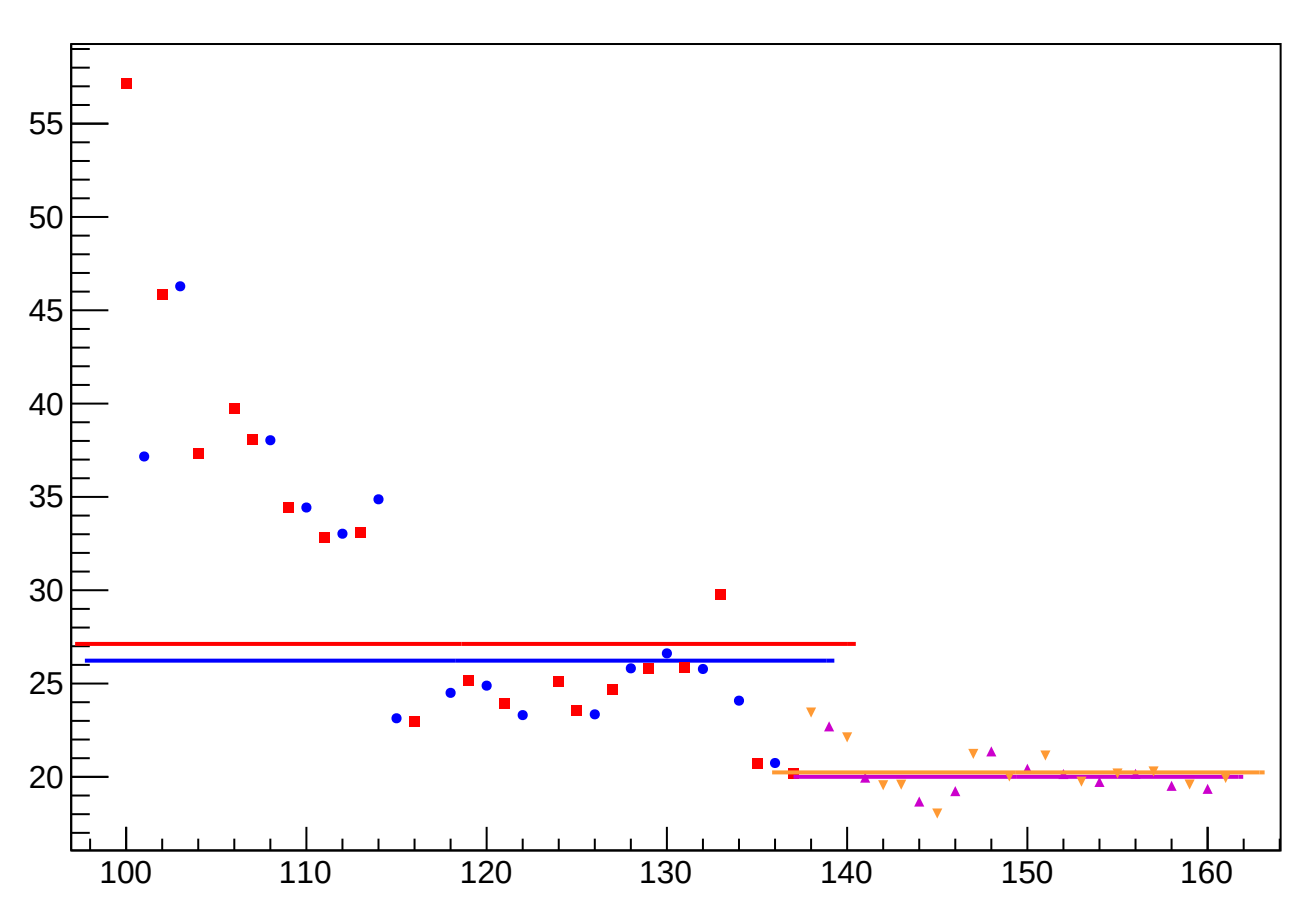
Left: 0.085+/-4.526 χ^2/NDF: 24.3/23

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -4.541+/-5.453 χ^2/NDF:28.2/26

Out: 0.387+/-5.377 χ^2/NDF:36.9/31

All: -2.042+/-3.829 χ^2/NDF: 65.5/58



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

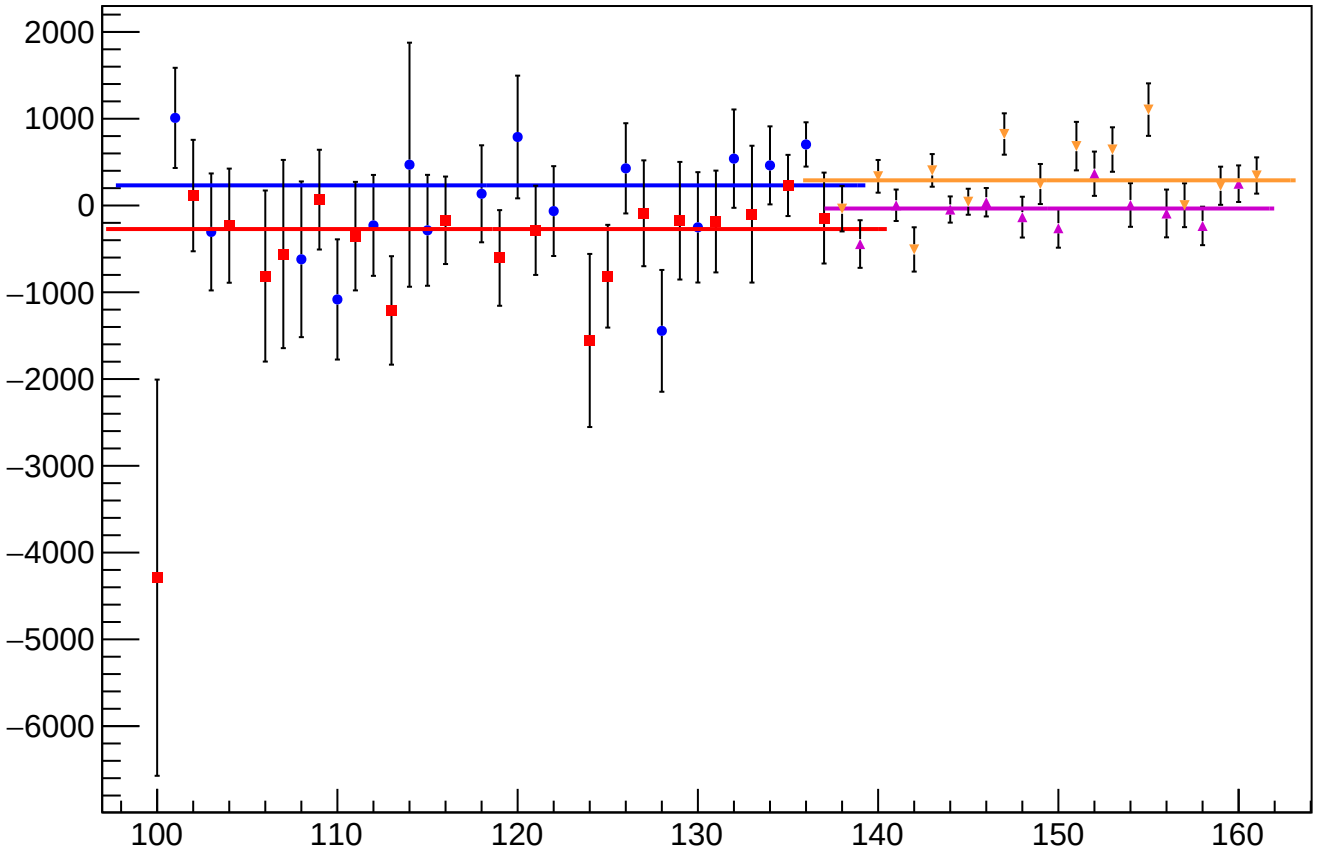
Left: 20.124+/-0.003 χ^2/NDF: 126091.4/23

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.836+/-0.004 χ^2/NDF:1264128.9/26

Out: 22.127+/-0.004 χ^2/NDF:1476152.2/31

All: 21.984+/-0.003 χ^2/NDF: 2743154.6/58



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.062+/-61.382 χ^2/NDF:32.1/12

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -34.750+/-63.260 χ^2/NDF:8.9/10

Left: 132.549+/-44.053 χ^2/NDF: 54.5/23

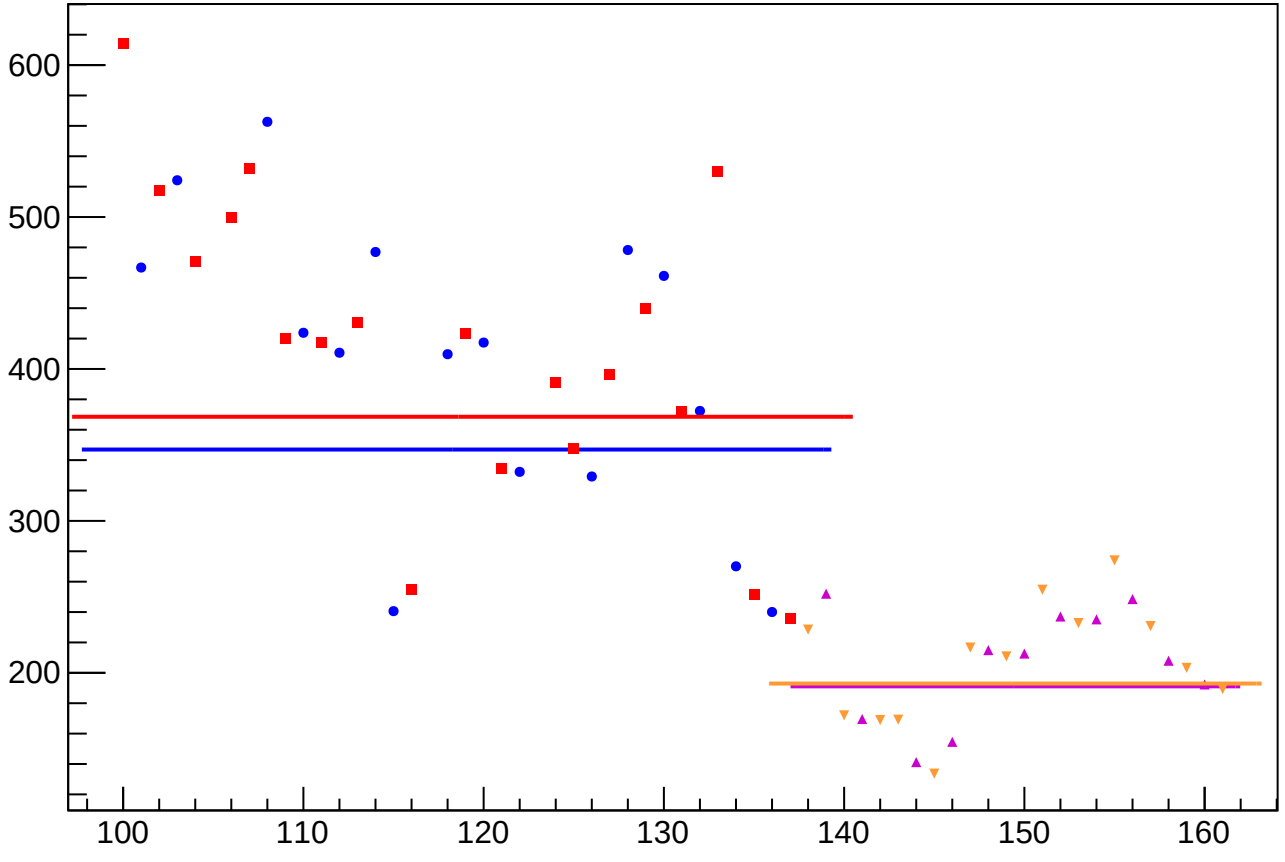
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 13.368+/-57.273 χ^2/NDF:31.7/26

Out: 199.729+/-56.228 χ^2/NDF:57.2/31

All: 108.264+/-40.124 χ^2/NDF: 94.3/58

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: 192.947+/-0.043 χ^2/NDF:795157.0/12

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

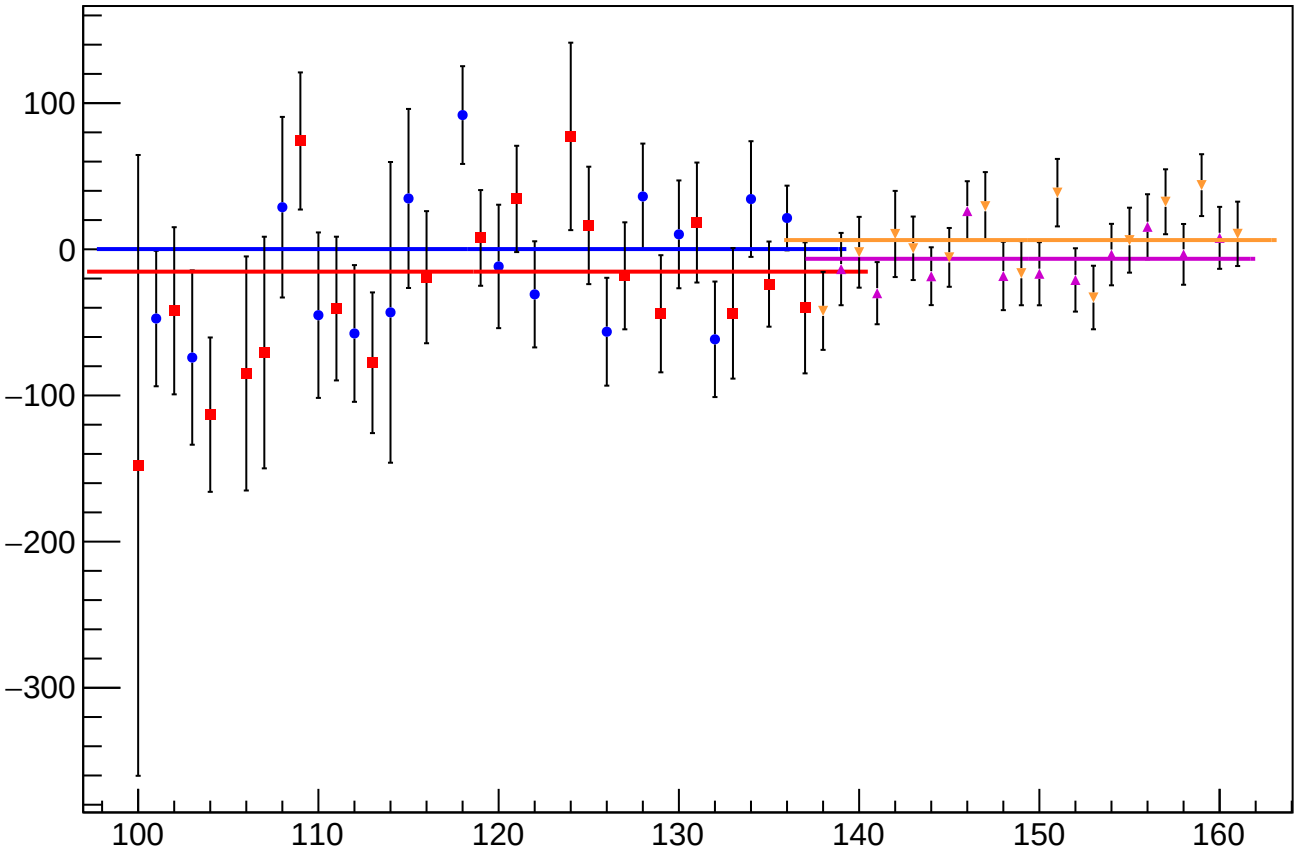
Left: 192.053+/-0.031 χ^2/NDF: 1504351.8/23

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.211+/-0.040 χ^2/NDF:3955797.9/26

Out: 221.198+/-0.040 χ^2/NDF:4328630.6/31

All: 220.223+/-0.028 χ^2/NDF: 8285654.0/58



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.310+/-6.312 χ^2/NDF:15.7/12

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -6.503+/-6.493 χ^2/NDF:6.6/10

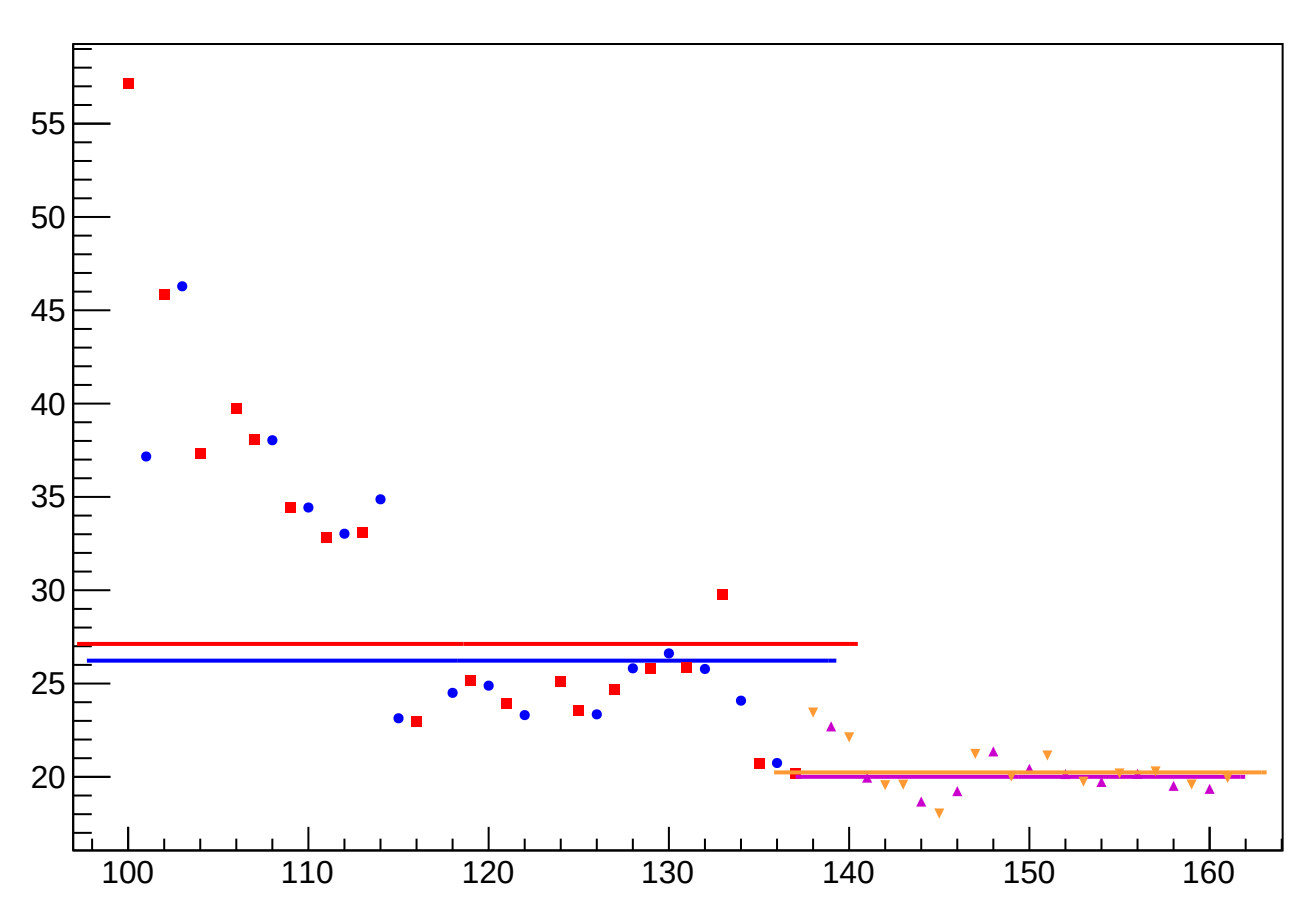
Left: 0.085+/-4.526 χ^2/NDF: 24.3/23

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -4.541+/-5.453 χ^2/NDF:28.2/26

Out: 0.387+/-5.377 χ^2/NDF:36.9/31

All: -2.042+/-3.829 χ^2/NDF: 65.5/58



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

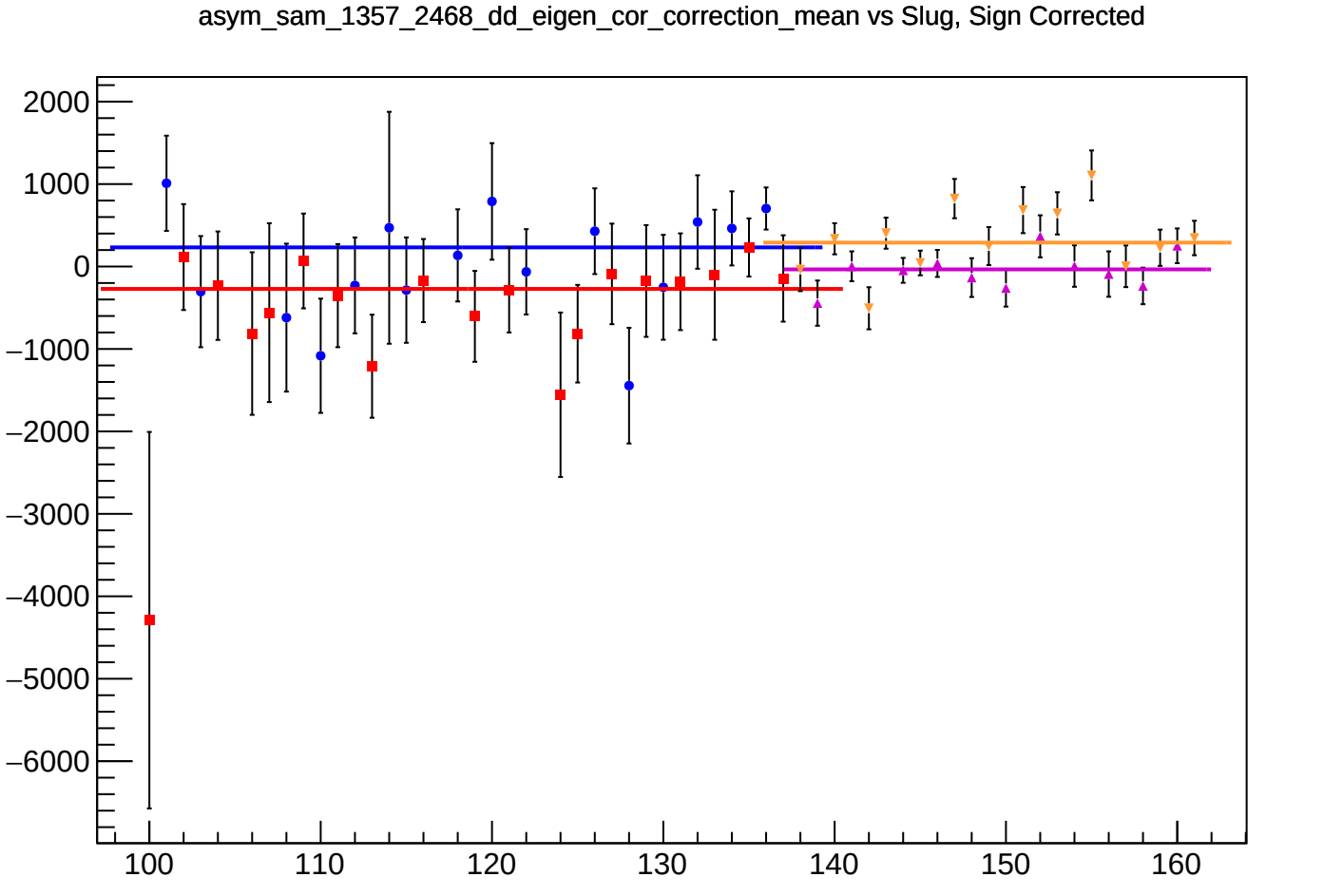
Left: 20.124+/-0.003 χ^2/NDF: 126091.4/23

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

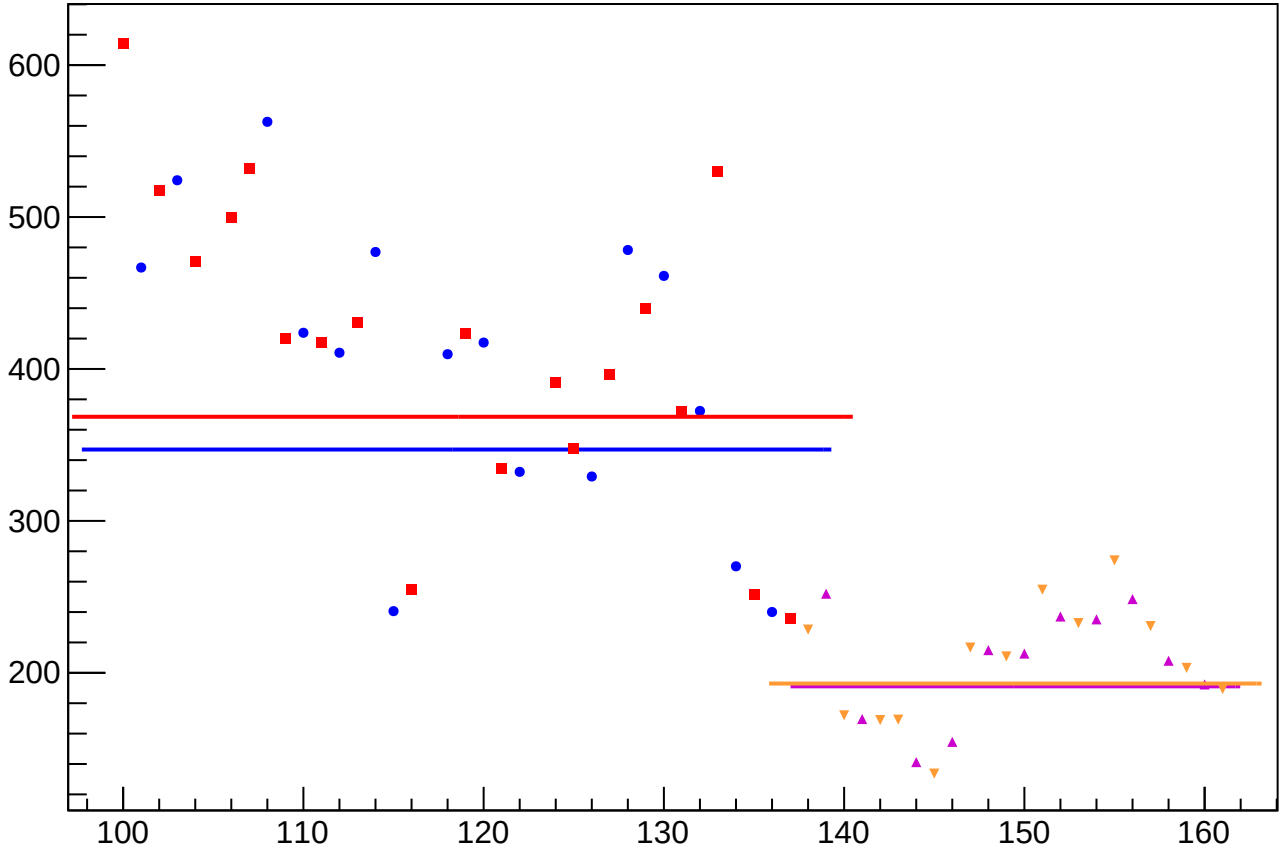
In: 21.836+/-0.004 χ^2/NDF:1264128.9/26

Out: 22.127+/-0.004 χ^2/NDF:1476152.2/31

All: 21.984+/-0.003 χ^2/NDF: 2743154.6/58


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 290.062+/-61.382 χ²/NDF:32.1/12
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -34.750+/-63.260 χ²/NDF:8.9/10
Left: 132.549+/-44.053 χ²/NDF: 54.5/23
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 13.368+/-57.273 χ²/NDF:31.7/26
Out: 199.729+/-56.228 χ²/NDF:57.2/31
All: 108.264+/-40.124 χ²/NDF: 94.3/58

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: 192.947+/-0.043 χ^2/NDF:795157.0/12

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

Left: 192.053+/-0.031 χ^2/NDF: 1504351.8/23

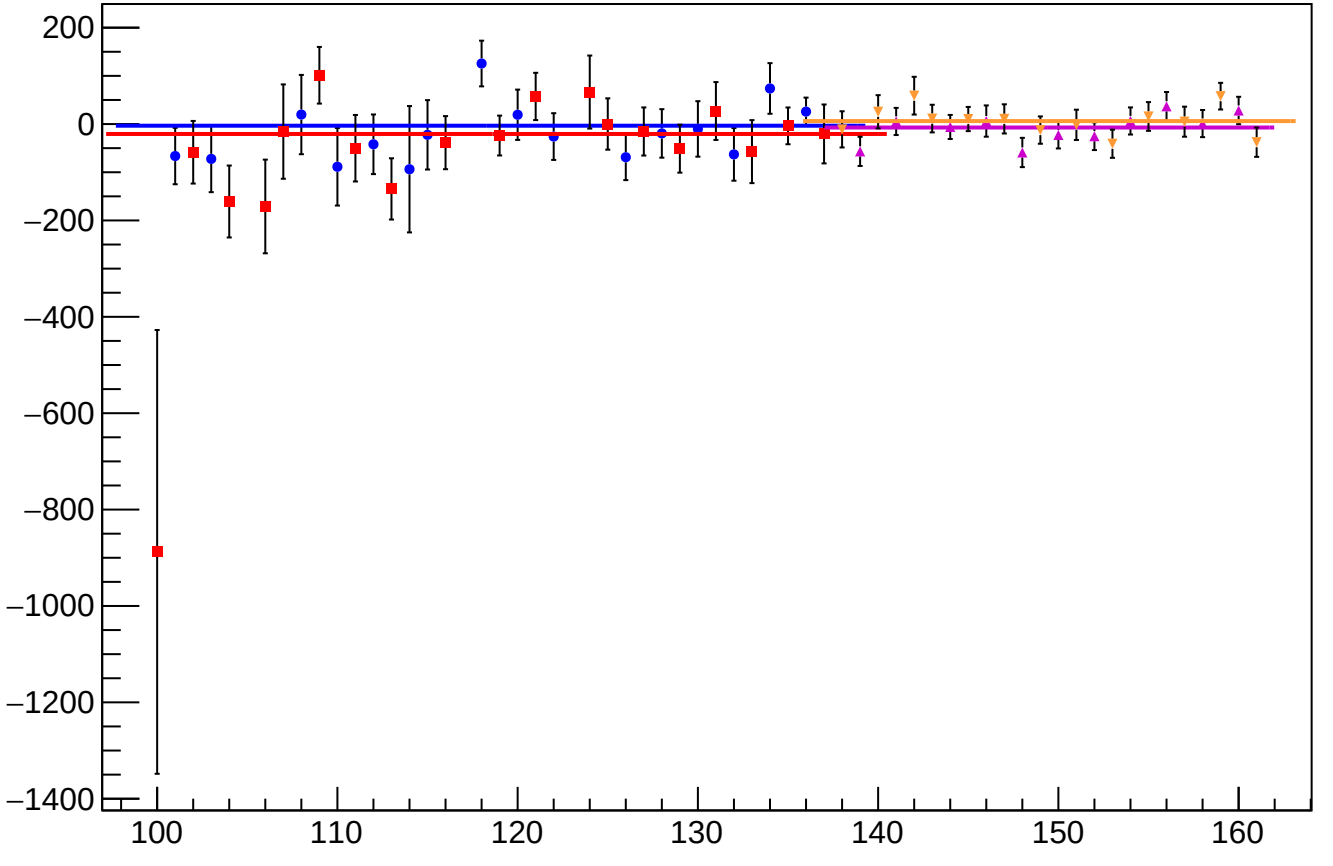
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.211+/-0.040 χ^2/NDF:3955797.9/26

Out: 221.198+/-0.040 χ^2/NDF:4328630.6/31

All: 220.223+/-0.028 χ^2/NDF: 8285654.0/58

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: 6.170+/-8.432 χ^2/NDF:11.2/12

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -7.182+/-8.653 χ^2/NDF:10.7/10

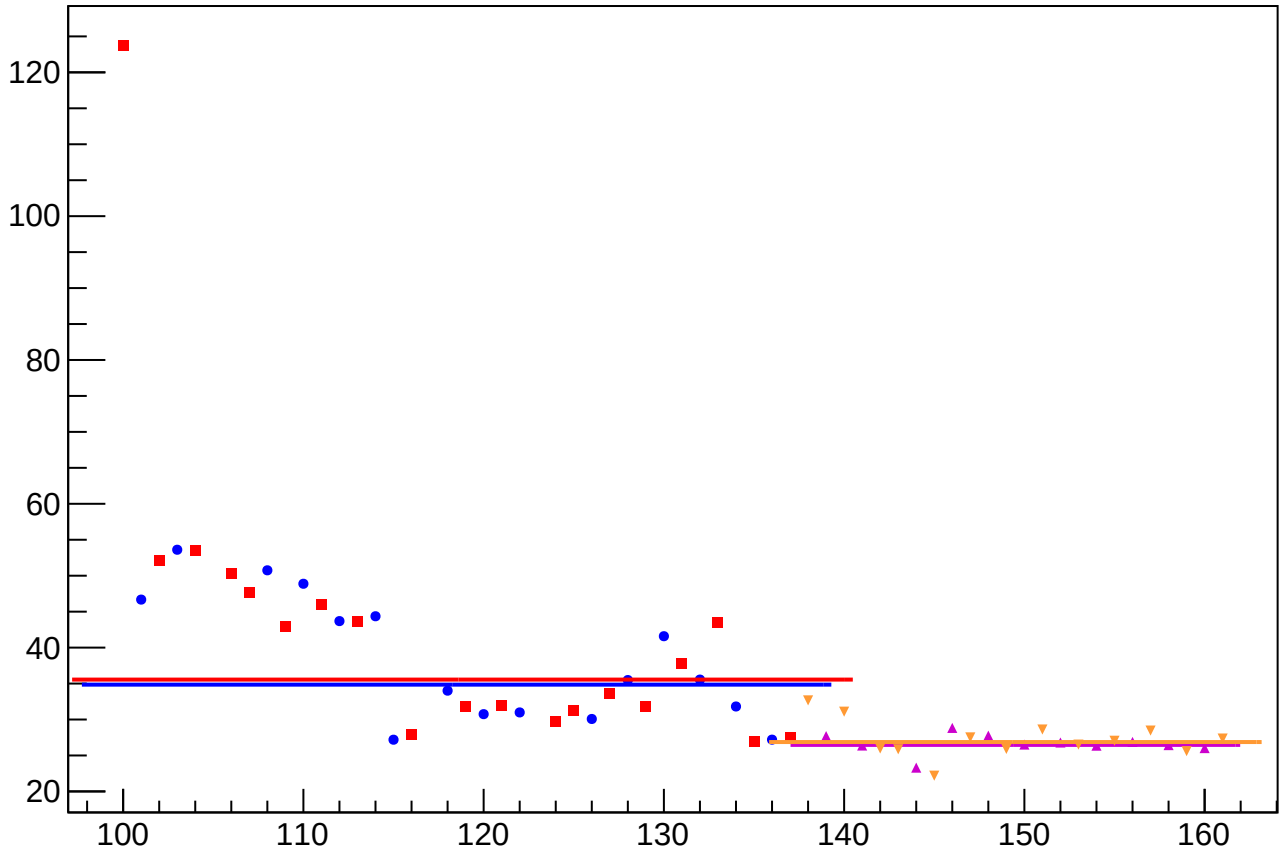
Left: -0.333+/-6.039 χ^2/NDF: 23.1/23

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -6.075+/-7.268 χ^2/NDF:29.2/26

Out: -1.354+/-7.148 χ^2/NDF:37.2/31

All: -3.675+/-5.096 χ^2/NDF: 66.6/58



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.868+/-0.006 χ^2/NDF:170239.9/12

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.471+/-0.006 χ^2/NDF:50746.8/10

Left: 26.675+/-0.004 χ^2/NDF: 223146.1/23

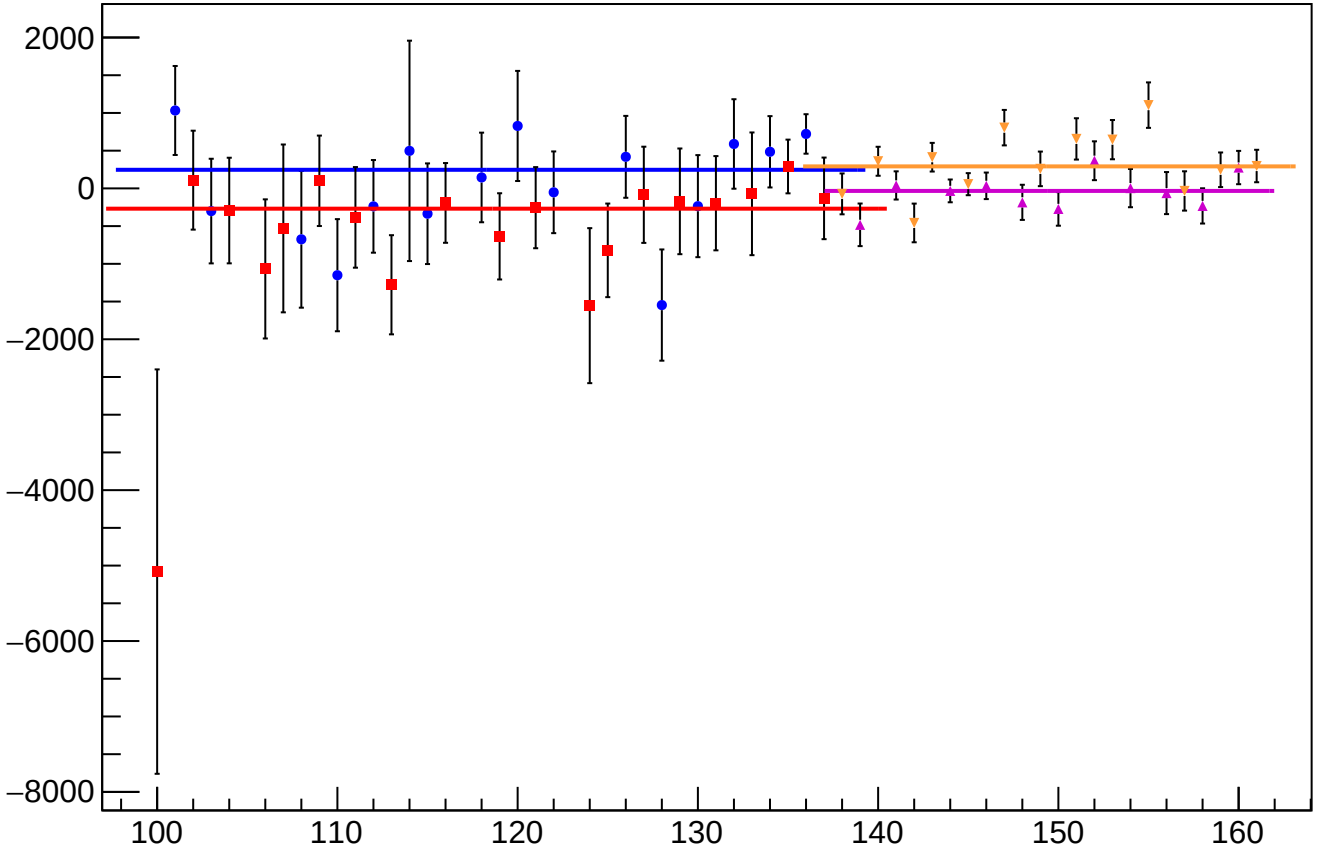
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.939+/-0.005 χ^2/NDF:1261266.3/26

Out: 29.312+/-0.005 χ^2/NDF:1547190.8/31

All: 29.128+/-0.004 χ^2/NDF: 2811134.2/58

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 291.693+/-61.784 χ^2/NDF:30.8/12

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -33.514+/-64.787 χ^2/NDF:9.5/10

Left: 136.801+/-44.712 χ^2/NDF: 53.5/23

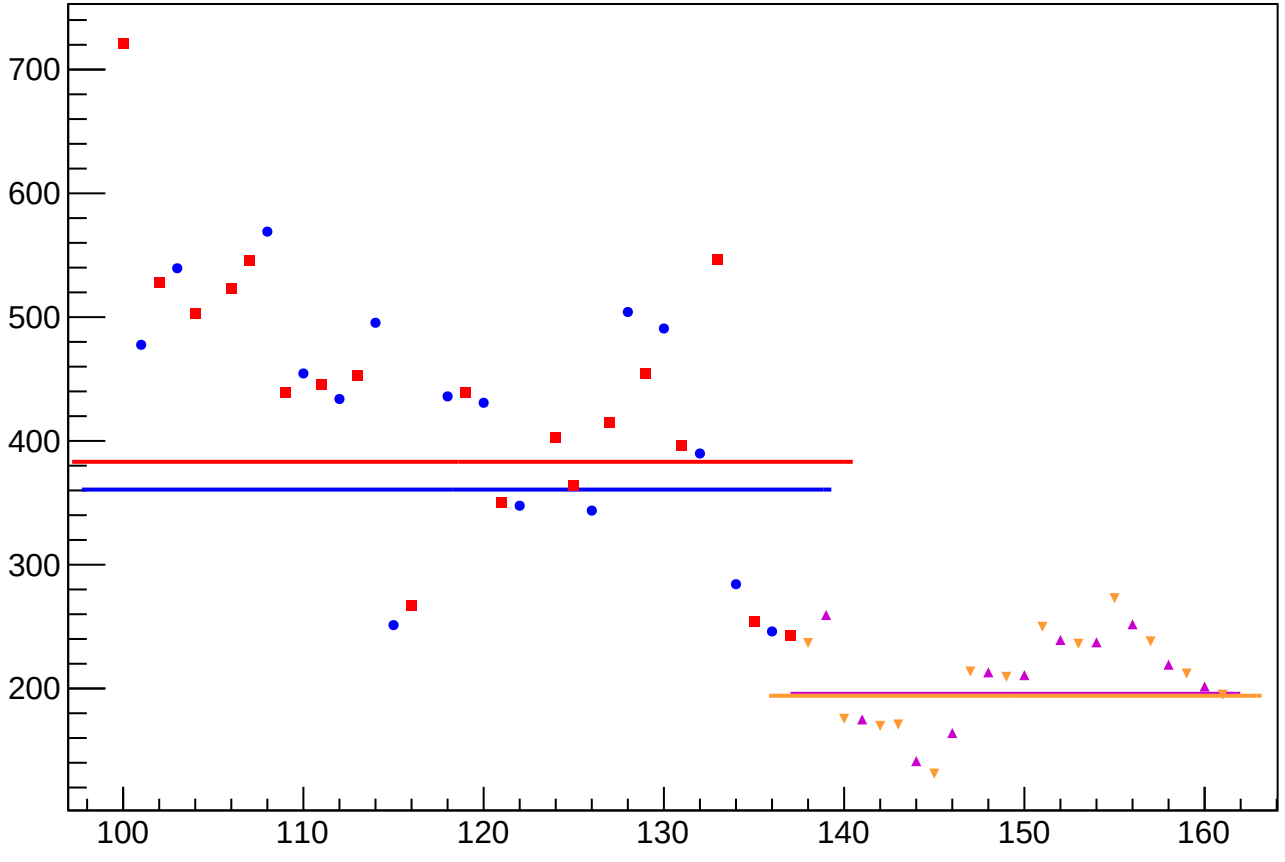
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 15.716+/-58.817 χ^2/NDF:32.6/26

Out: 205.846+/-56.857 χ^2/NDF:56.0/31

All: 114.002+/-40.879 χ^2/NDF: 94.0/58

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 194.154+/-0.044 χ^2/NDF:849842.5/12

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.733+/-0.046 χ^2/NDF:684317.4/10

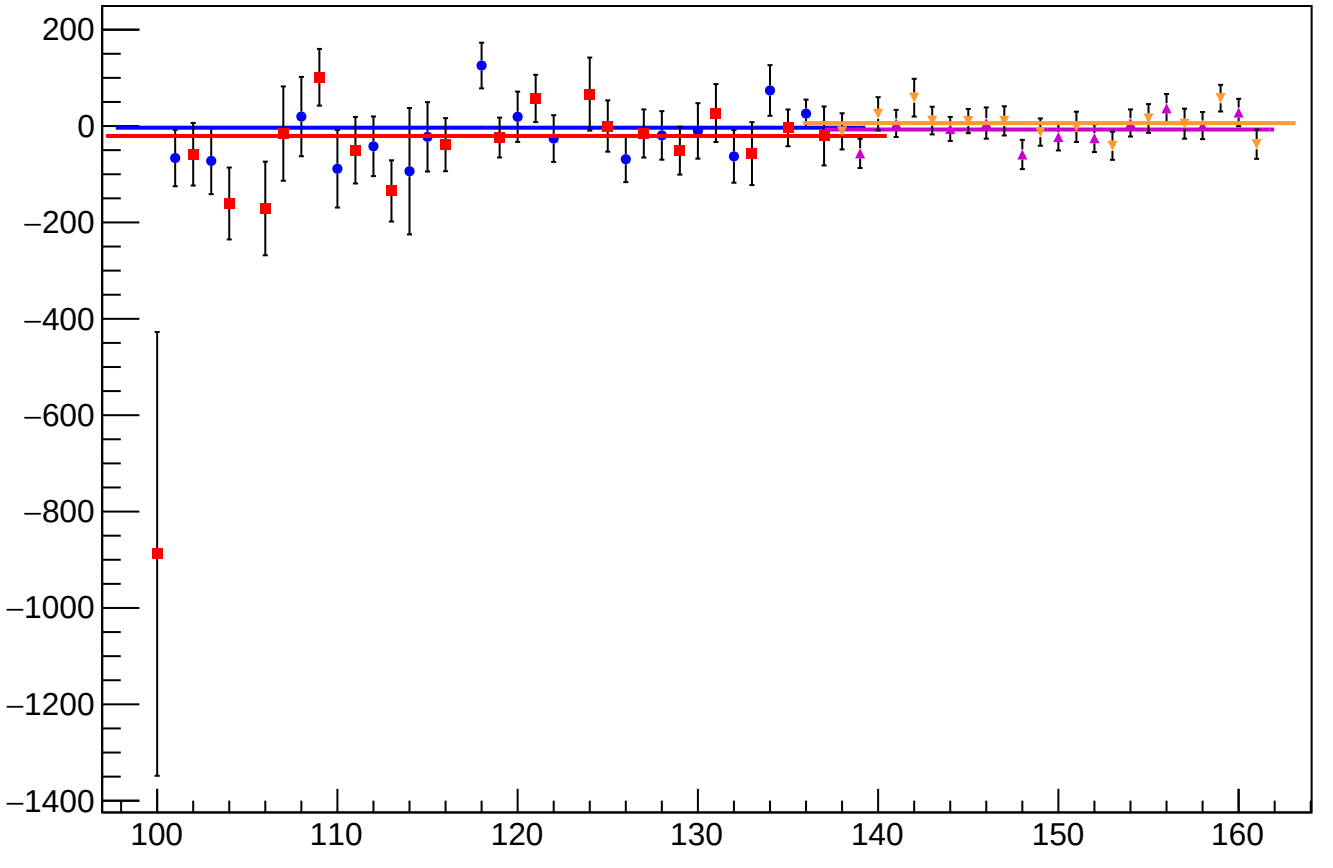
Left: 194.906+/-0.032 χ^2/NDF: 1534782.2/23

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 224.735+/-0.042 χ^2/NDF:4056630.0/26

Out: 223.093+/-0.040 χ^2/NDF:4678214.3/31

All: 223.886+/-0.029 χ^2/NDF: 8735650.3/58



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 6.170+/-8.432 χ^2/NDF:11.2/12

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -7.182+/-8.653 χ^2/NDF:10.7/10

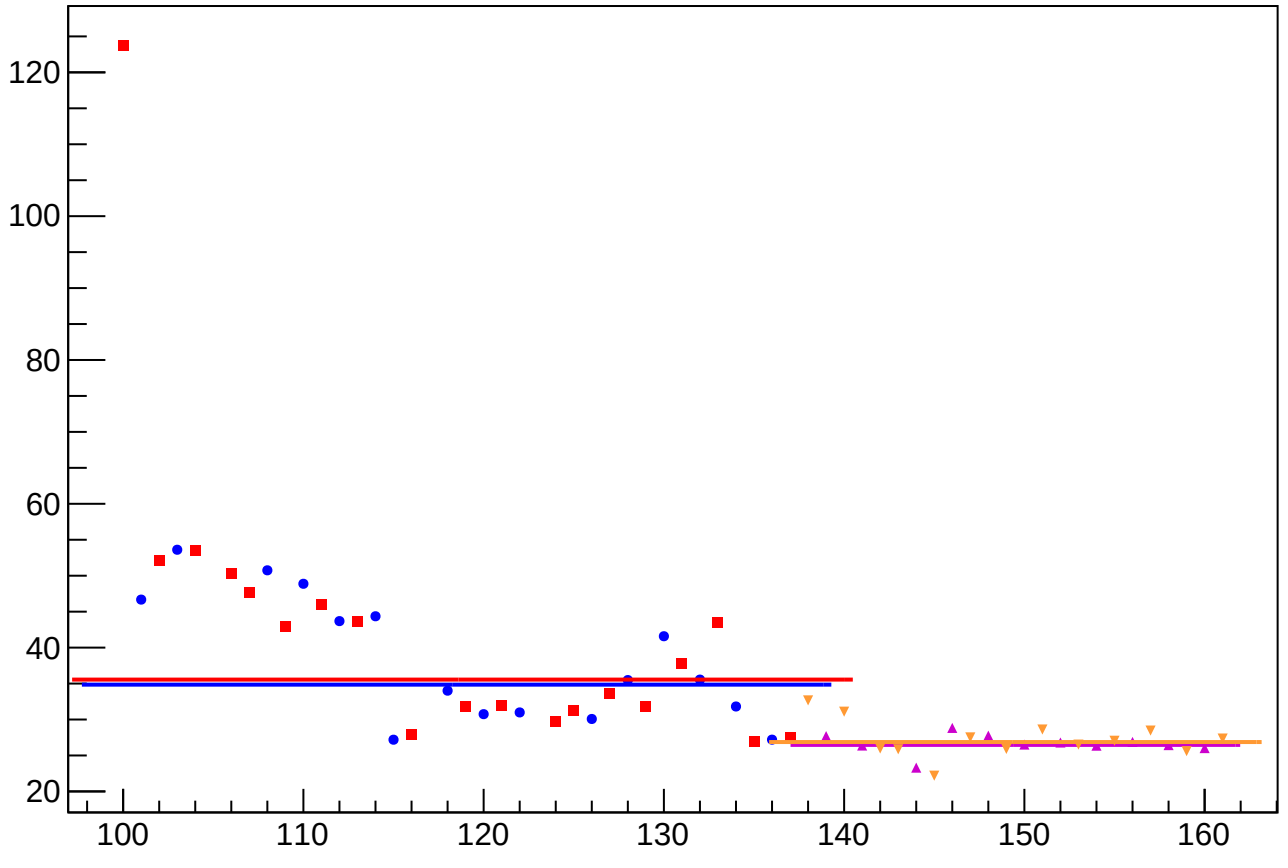
Left: -0.333+/-6.039 χ^2/NDF: 23.1/23

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -6.075+/-7.268 χ^2/NDF:29.2/26

Out: -1.354+/-7.148 χ^2/NDF:37.1/31

All: -3.675+/-5.096 χ^2/NDF: 66.6/58



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.868+/-0.006 χ^2/NDF:170228.0/12

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.471+/-0.006 χ^2/NDF:50743.7/10

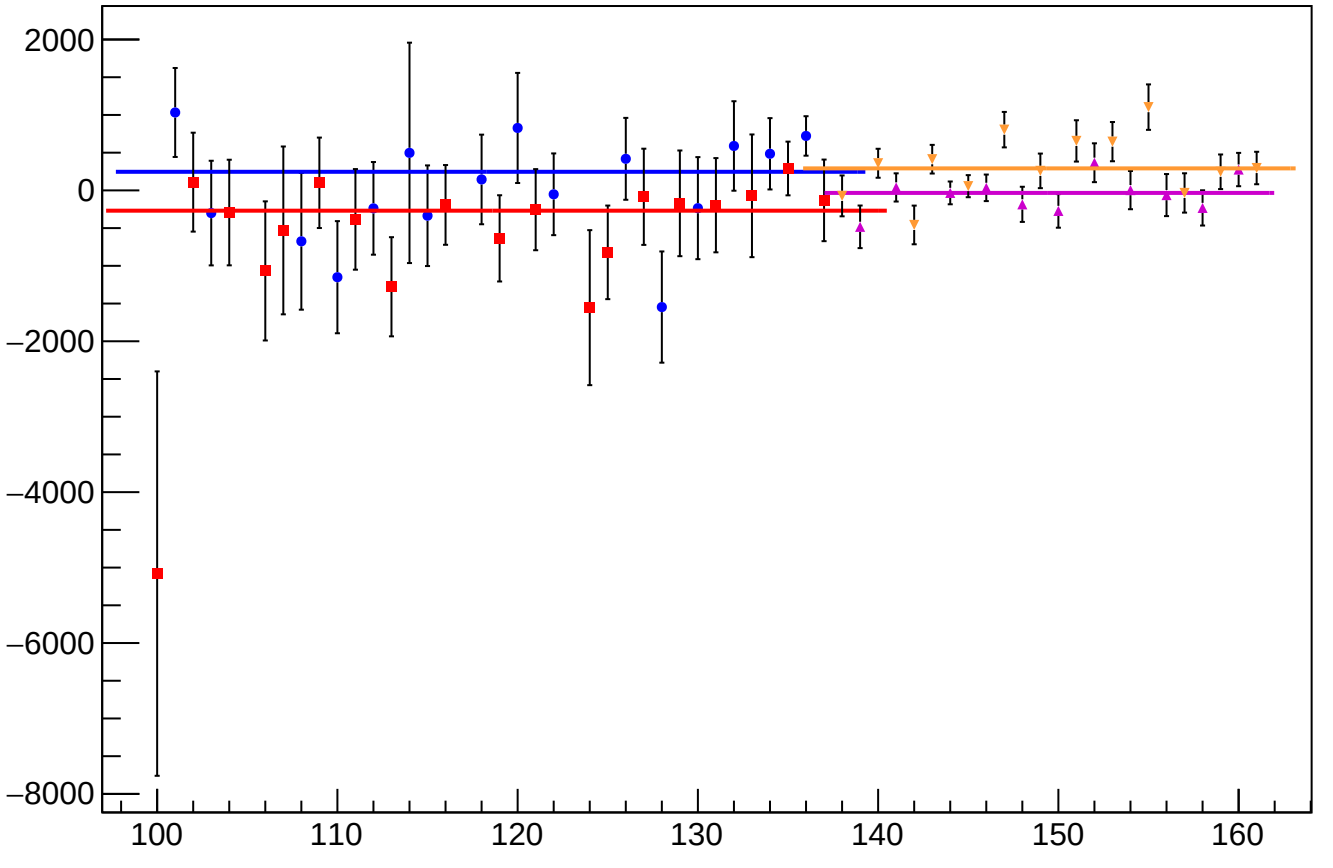
Left: 26.675+/-0.004 χ^2/NDF: 223131.5/23

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.939+/-0.005 χ^2/NDF:1261151.9/26

Out: 29.312+/-0.005 χ^2/NDF:1547091.9/31

All: 29.128+/-0.004 χ^2/NDF: 2810921.6/58



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 291.692+/-61.784 χ^2/NDF:30.8/12

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -33.514+/-64.787 χ^2/NDF:9.5/10

Left: 136.801+/-44.712 χ^2/NDF: 53.5/23

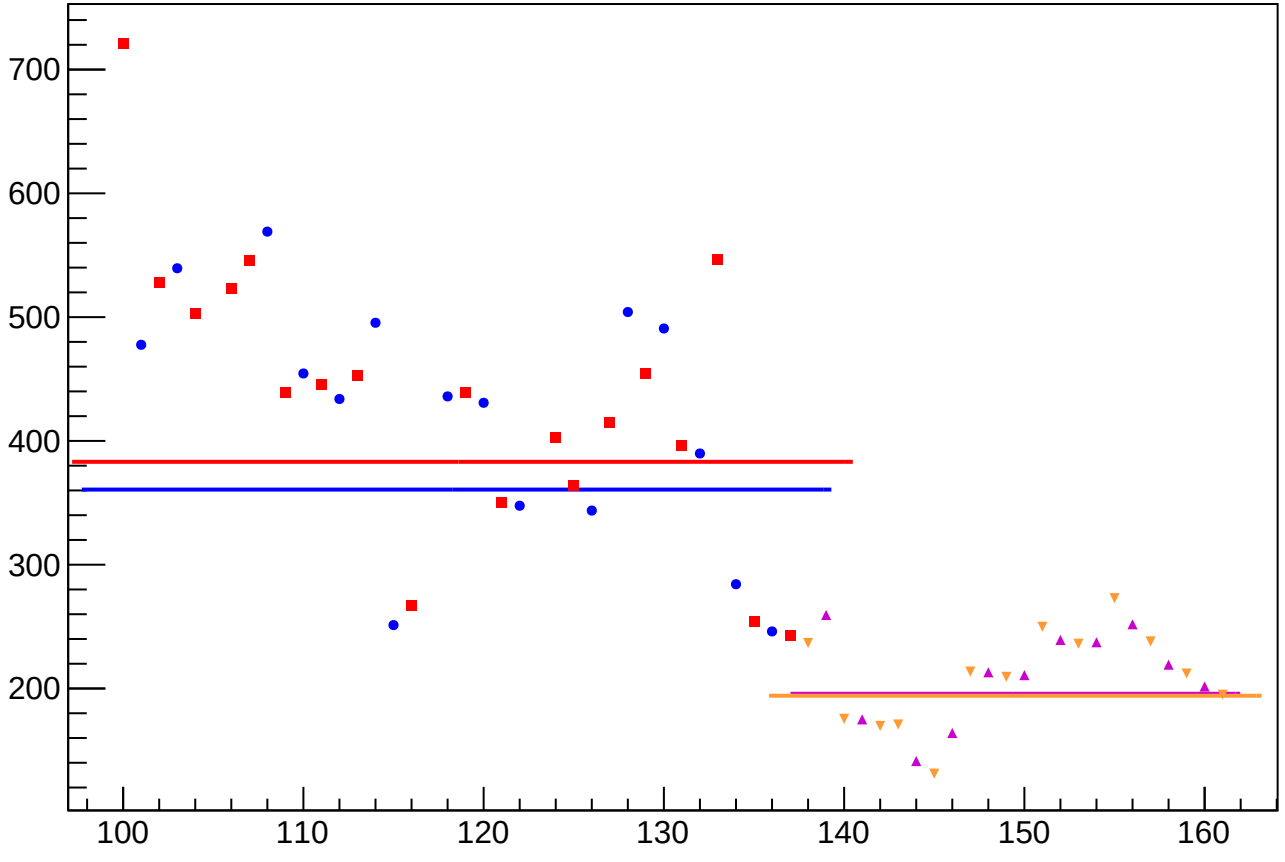
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 15.716+/-58.817 χ^2/NDF:32.6/26

Out: 205.845+/-56.857 χ^2/NDF:56.0/31

All: 114.001+/-40.879 χ^2/NDF: 94.0/58

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 194.154+/-0.044 χ^2/NDF:849861.0/12

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.733+/-0.046 χ^2/NDF:684321.6/10

Left: 194.906+/-0.032 χ^2/NDF: 1534805.0/23

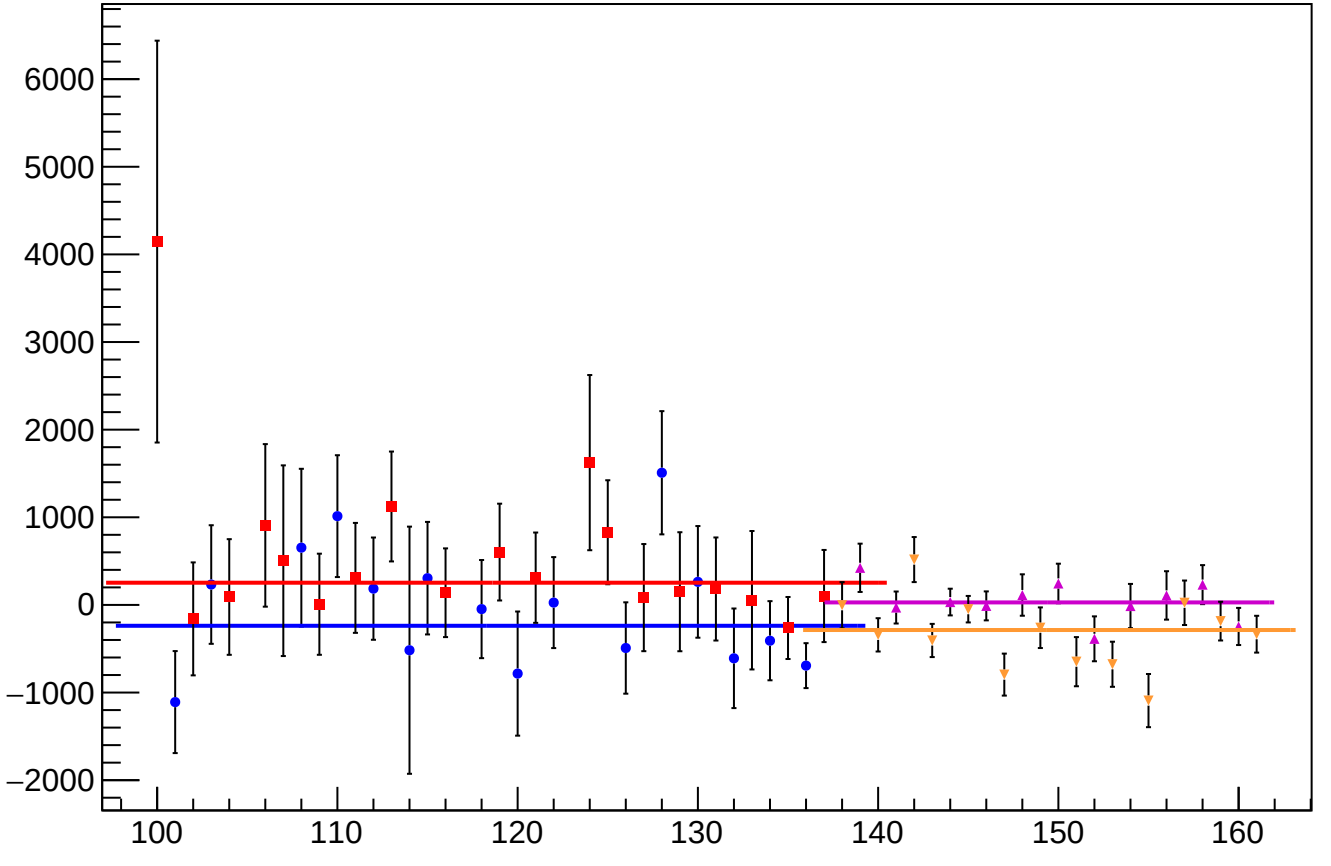
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 224.734+/-0.042 χ^2/NDF:4056624.2/26

Out: 223.092+/-0.040 χ^2/NDF:4678233.6/31

All: 223.885+/-0.029 χ^2/NDF: 8735663.9/58

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -286.405+/-61.755 χ^2/NDF:31.2/12

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 28.531+/-63.642 χ^2/NDF:8.5/10

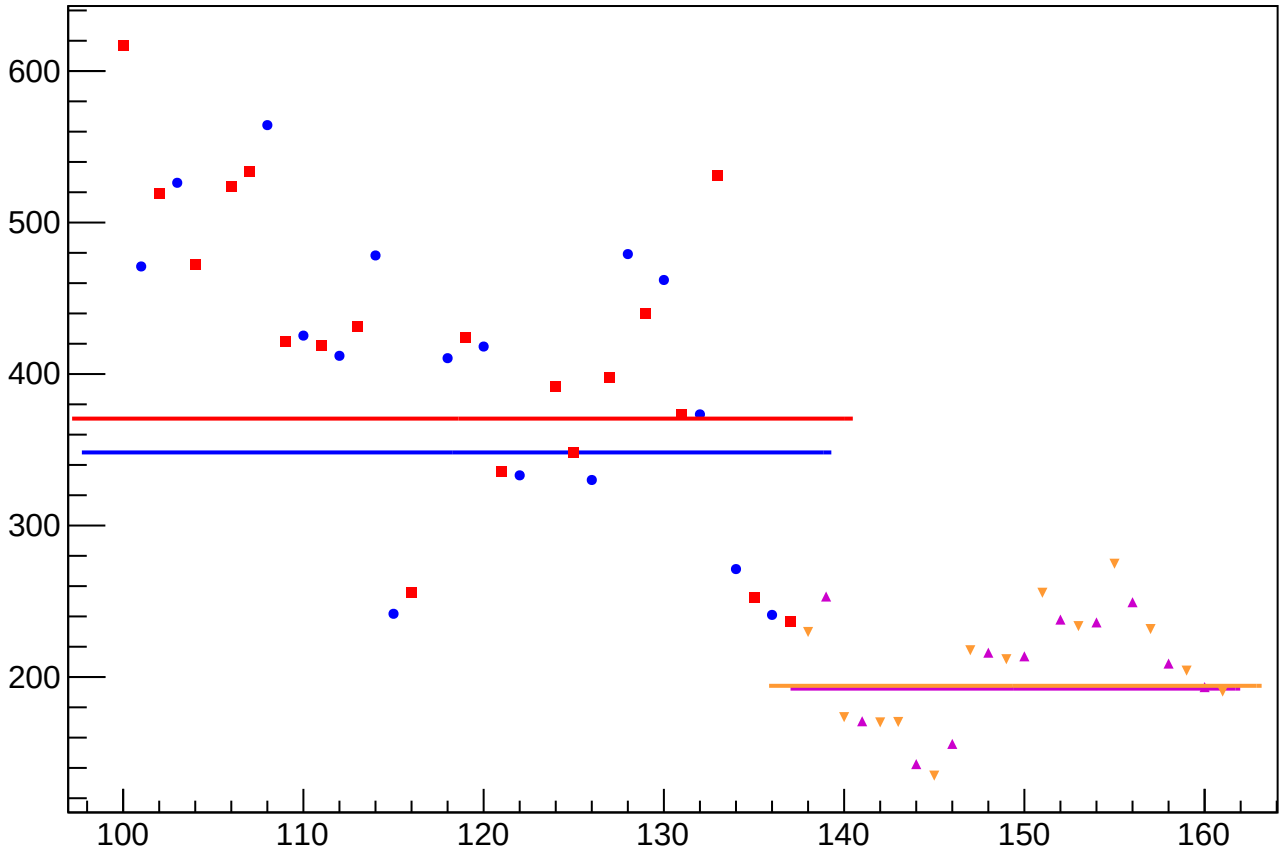
Left: -133.676+/-44.320 χ^2/NDF: 52.3/23

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -19.736+/-57.593 χ^2/NDF:31.6/26

Out: -198.906+/-56.529 χ^2/NDF:55.3/31

All: -110.991+/-40.343 χ^2/NDF: 91.8/58



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 194.205+/-0.044 χ^2/NDF:779864.2/12

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.342+/-0.045 χ^2/NDF:694196.3/10

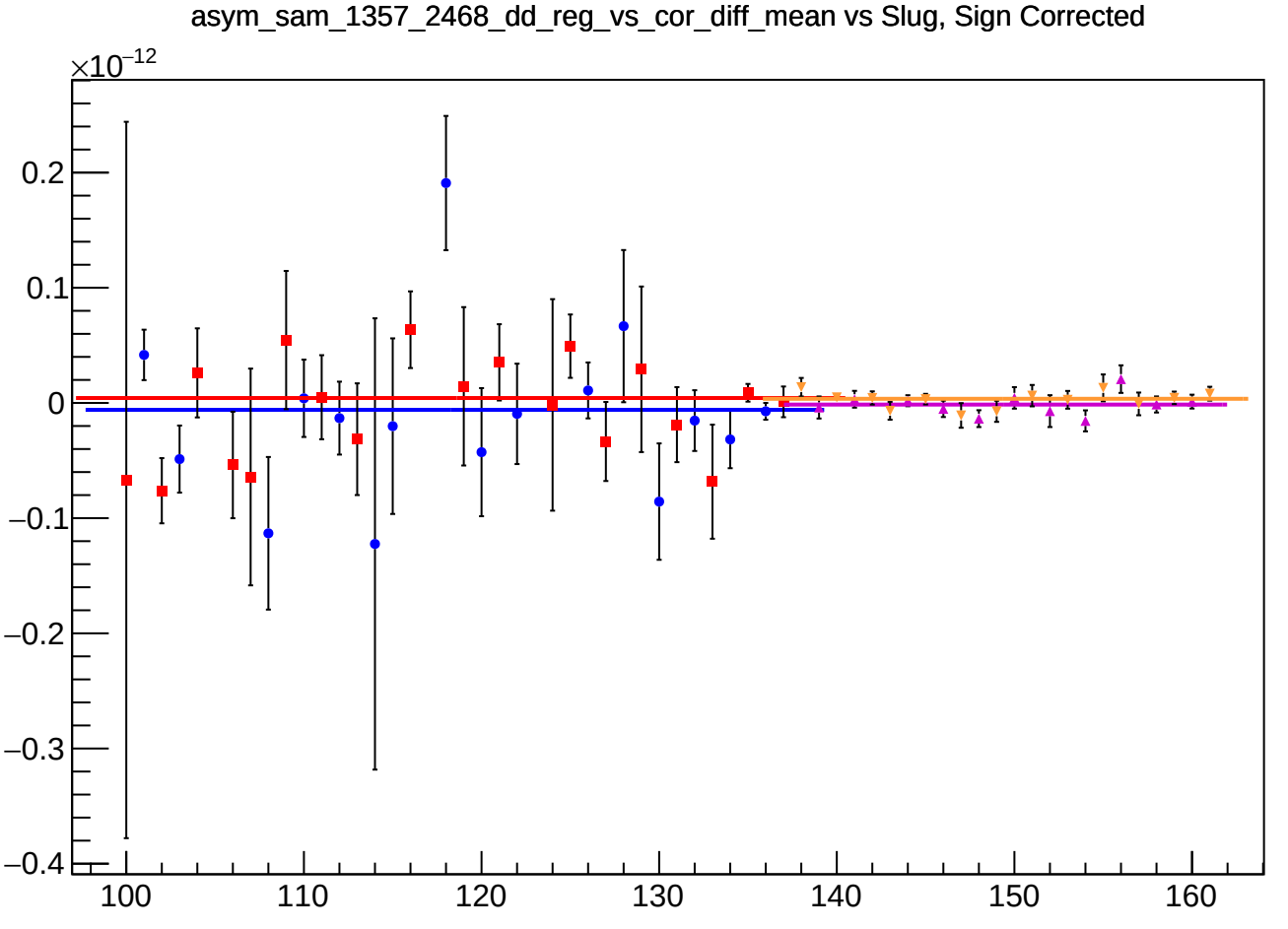
Left: 193.302+/-0.031 χ^2/NDF: 1474943.1/23

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 220.572+/-0.041 χ^2/NDF:3924309.4/26

Out: 222.793+/-0.040 χ^2/NDF:4342078.4/31

All: 221.703+/-0.029 χ^2/NDF: 8267902.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

Left: 0.000+/-0.000 χ^2/NDF: 21.8/23

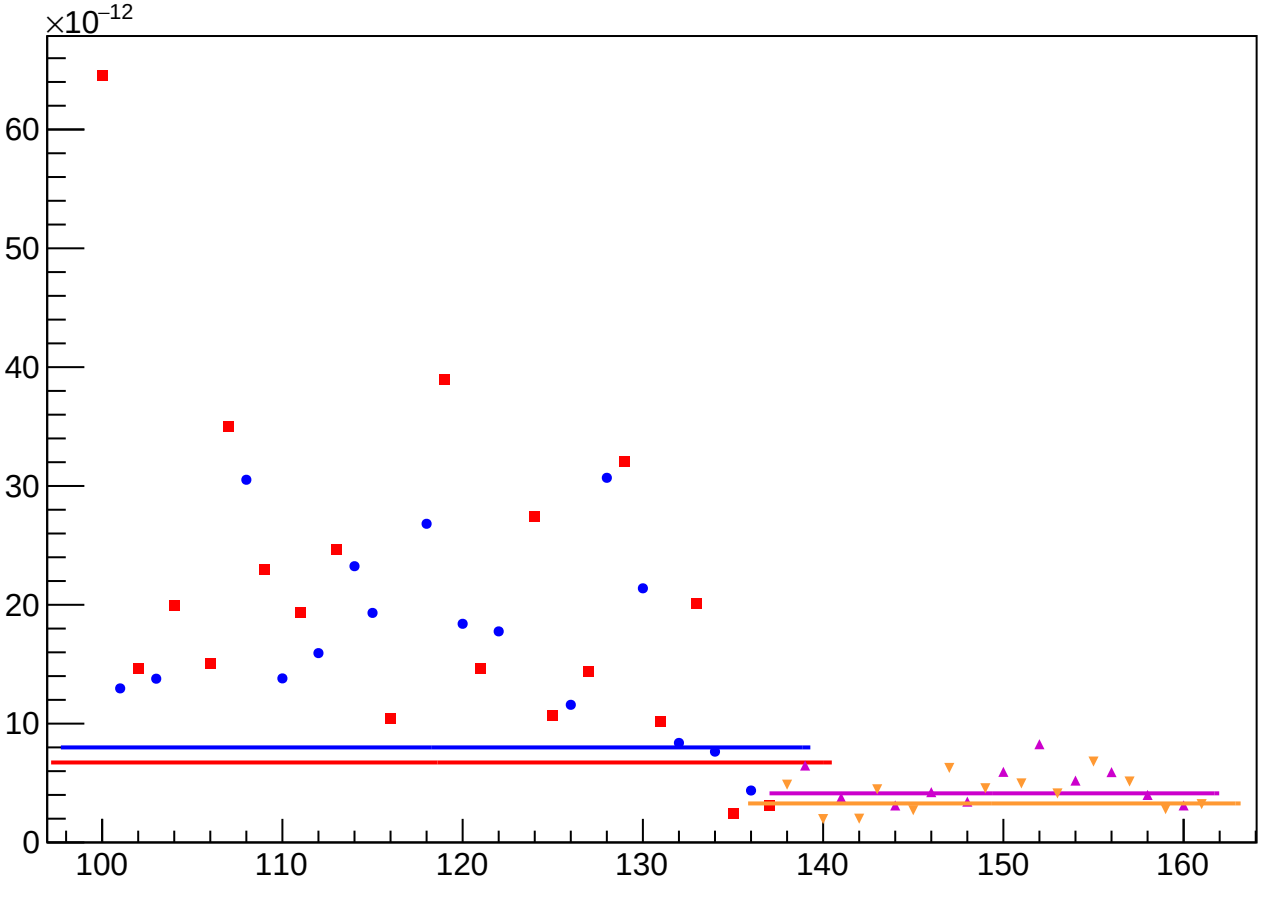
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:38.4/26

Out: 0.000+/-0.000 χ^2/NDF:31.2/31

All: 0.000+/-0.000 χ^2/NDF: 74.1/58

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:1019441.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:617765.4/10

Left: 0.000+/-0.000 χ^2/NDF: 1808237.4/23

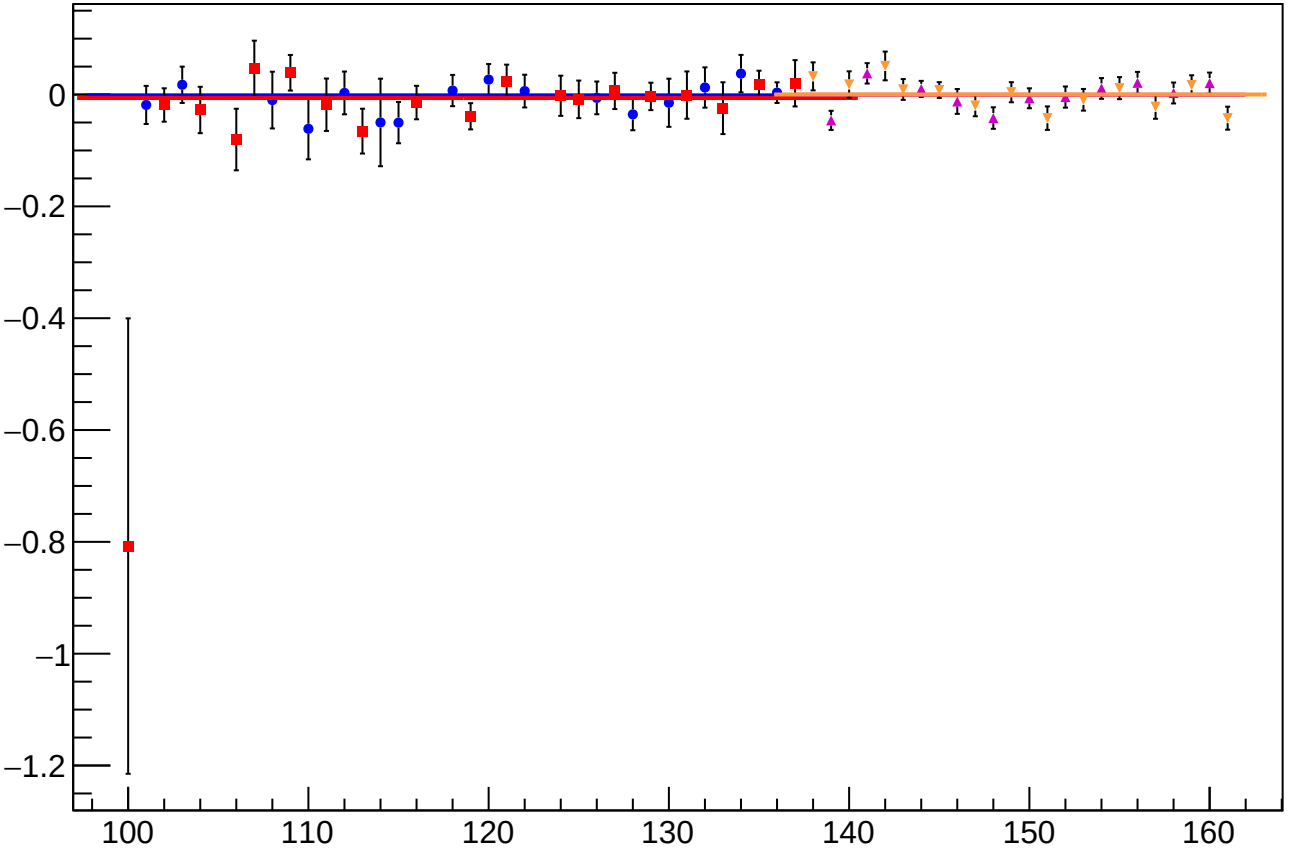
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3364815.9/26

Out: 0.000+/-0.000 χ^2/NDF:5093304.3/31

All: 0.000+/-0.000 χ^2/NDF: 8749533.2/58

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: -0.000+/-0.004 χ^2/NDF: 38.8/23

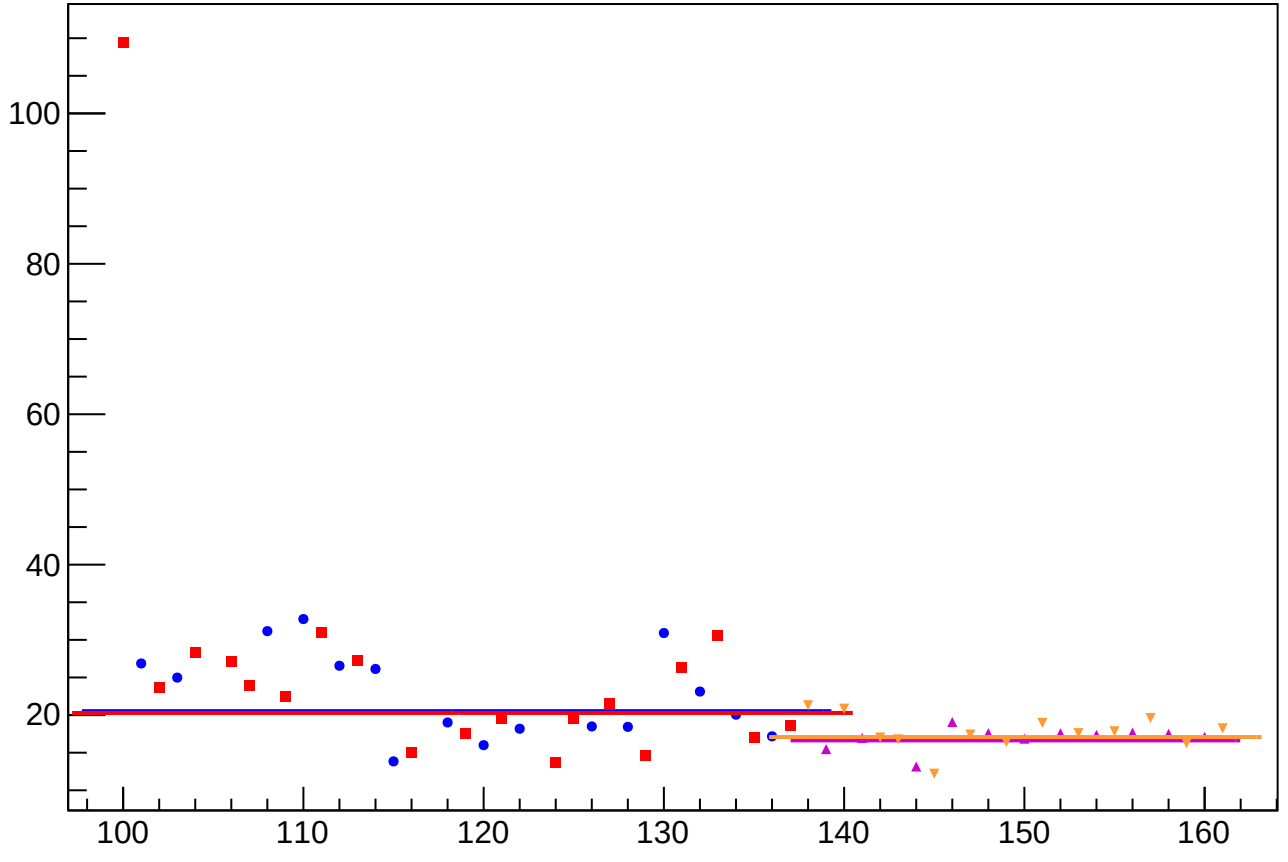
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: -0.002+/-0.004 χ^2/NDF:35.4/31

All: -0.001+/-0.003 χ^2/NDF: 63.8/58

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: 17.079+/-0.004 χ^2/NDF:409835.4/12

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

Left: 16.858+/-0.003 χ^2/NDF: 591311.3/23

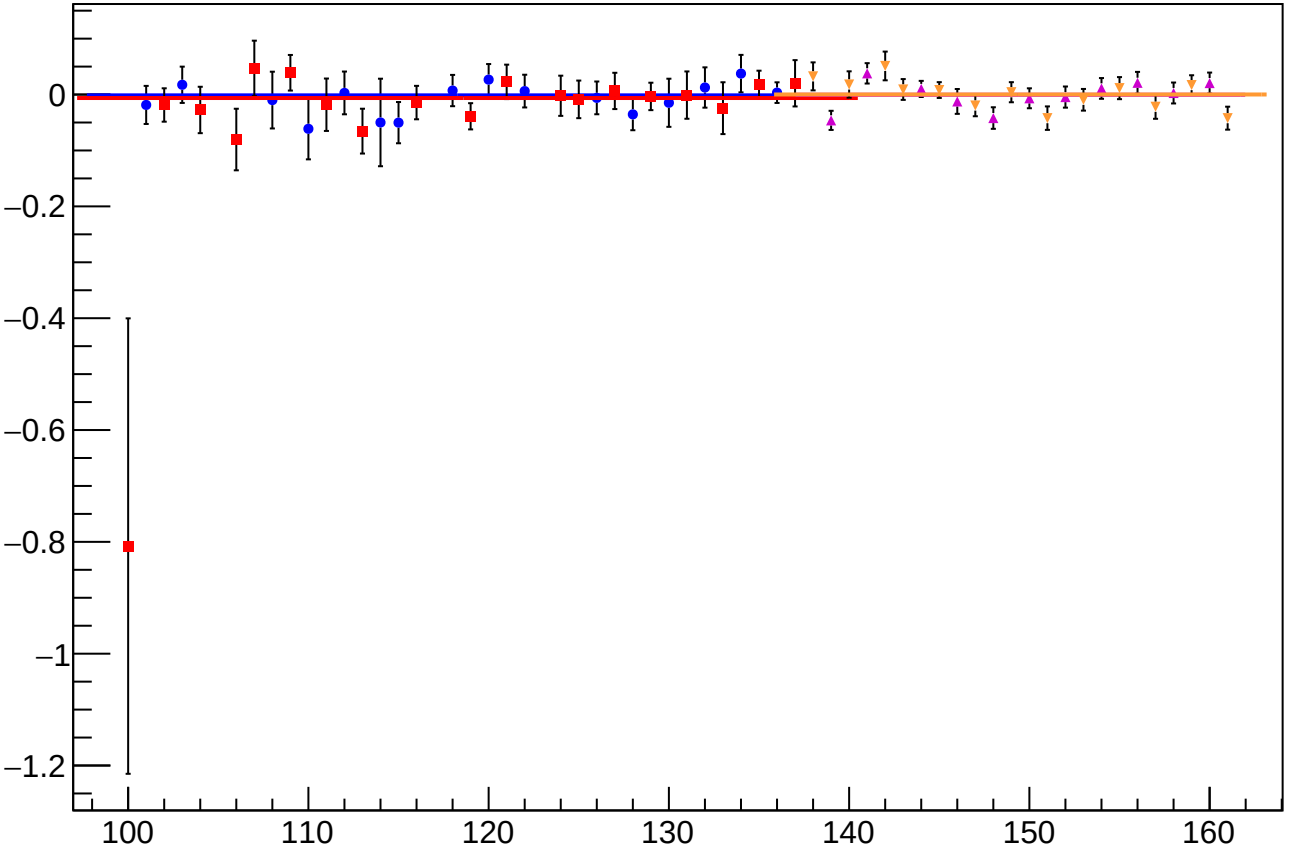
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.866+/-0.003 χ^2/NDF:1198833.5/26

Out: 18.110+/-0.003 χ^2/NDF:1497990.2/31

All: 17.990+/-0.002 χ^2/NDF: 2699759.7/58

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: 0.000+/-0.005 χ^2/NDF:18.7/12

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: -0.000+/-0.004 χ^2/NDF: 38.8/23

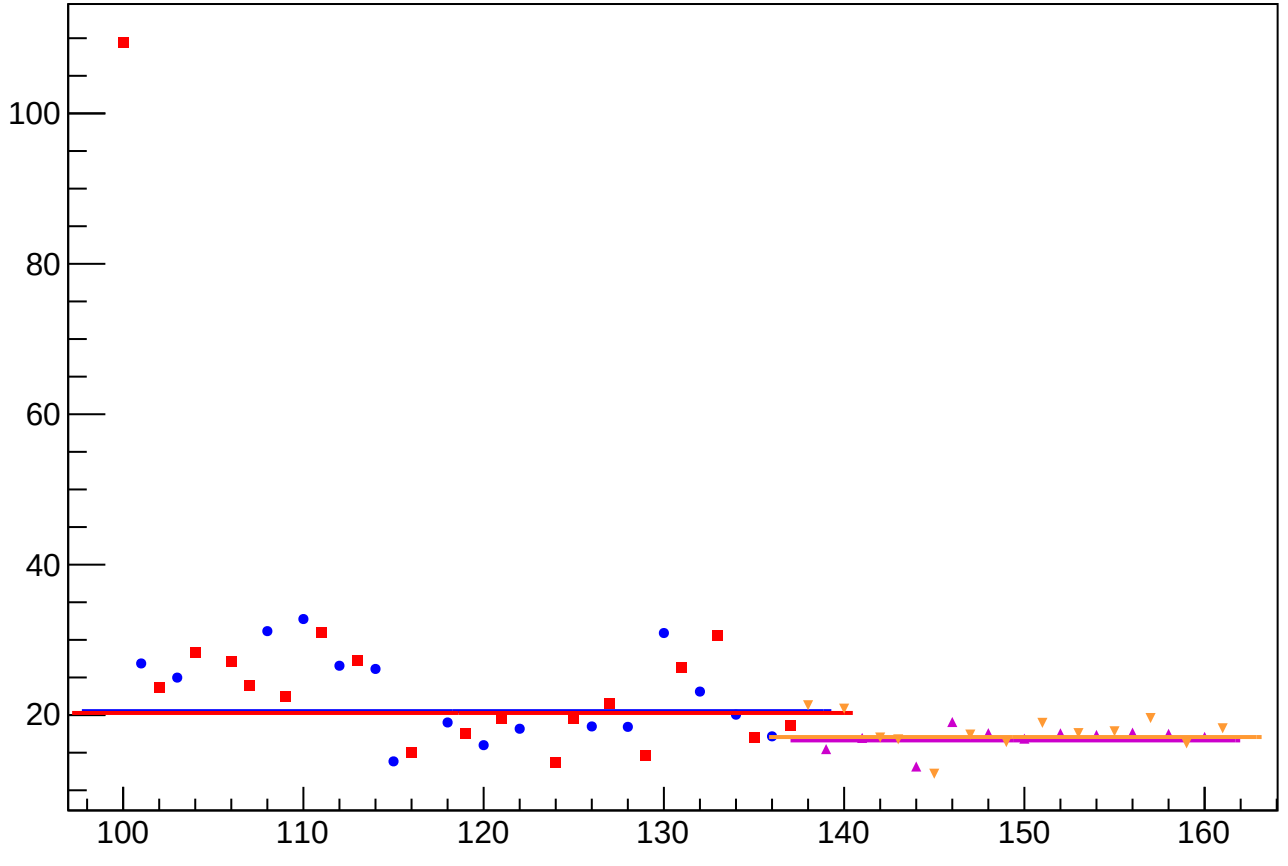
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: -0.002+/-0.004 χ^2/NDF:35.4/31

All: -0.001+/-0.003 χ^2/NDF: 63.8/58

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: 17.079+/-0.004 χ^2/NDF:409835.4/12

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

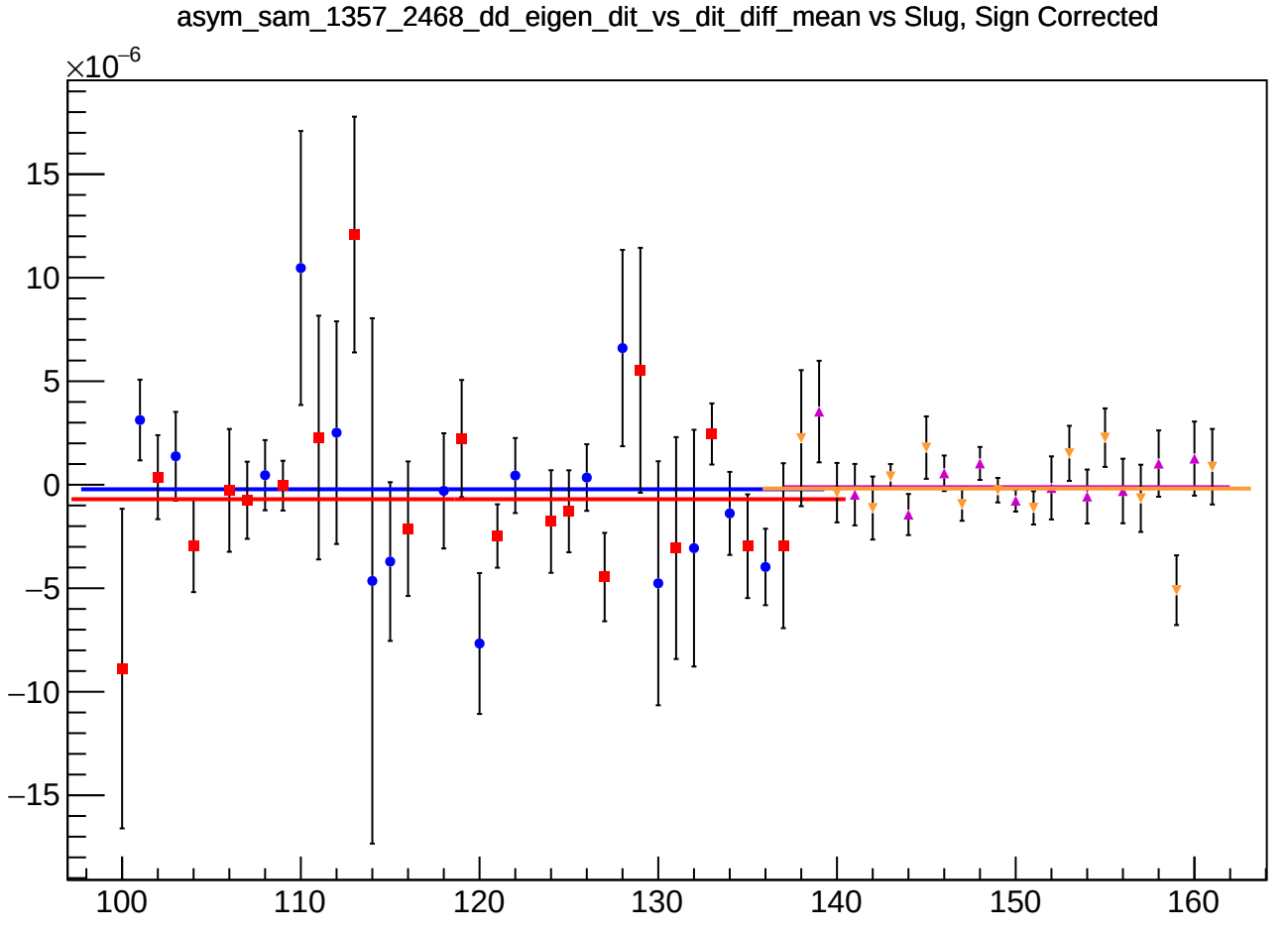
Left: 16.858+/-0.003 χ^2/NDF: 591311.3/23

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.866+/-0.003 χ^2/NDF:1198833.5/26

Out: 18.110+/-0.003 χ^2/NDF:1497990.2/31

All: 17.990+/-0.002 χ^2/NDF: 2699759.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

Left: -0.000+/-0.000 χ^2/NDF: 29.0/23

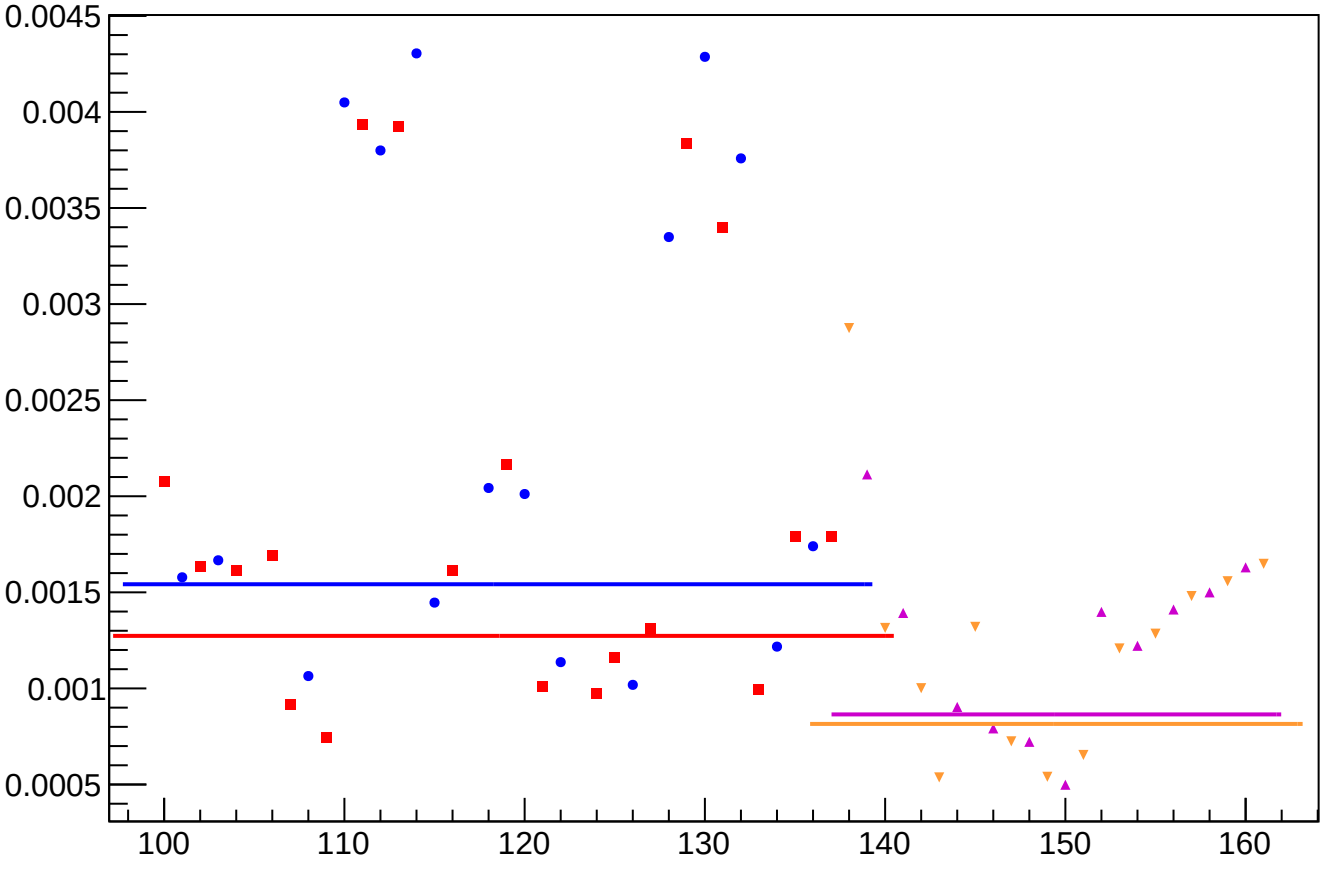
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:29.4/26

Out: -0.000+/-0.000 χ^2/NDF:41.2/31

All: -0.000+/-0.000 χ^2/NDF: 70.8/58

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:3793680.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3137201.7/10

Left: 0.001+/-0.000 χ^2/NDF: 6958372.6/23

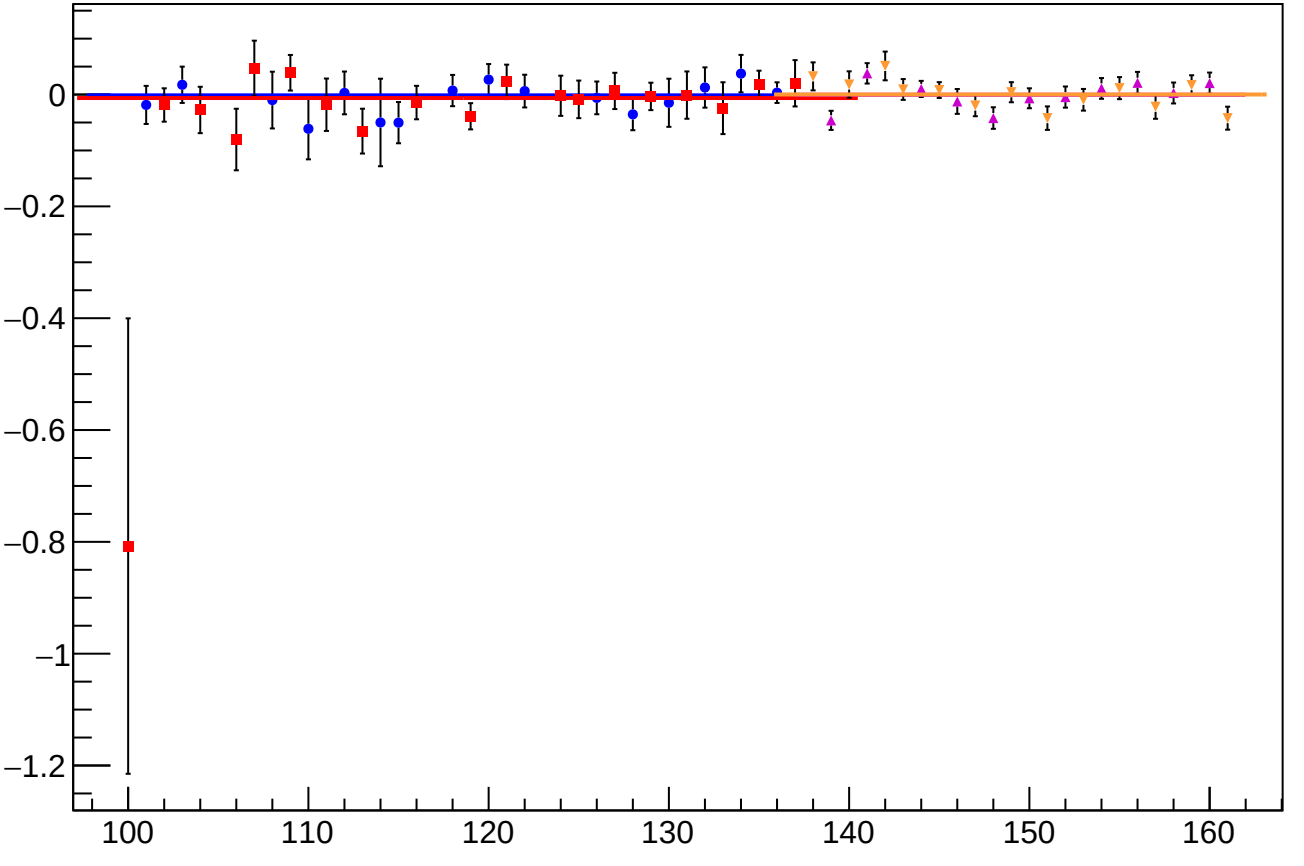
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:7408108.3/26

Out: 0.001+/-0.000 χ^2/NDF:7640431.6/31

All: 0.001+/-0.000 χ^2/NDF: 15134612.6/58

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: -0.000+/-0.004 χ^2/NDF: 38.8/23

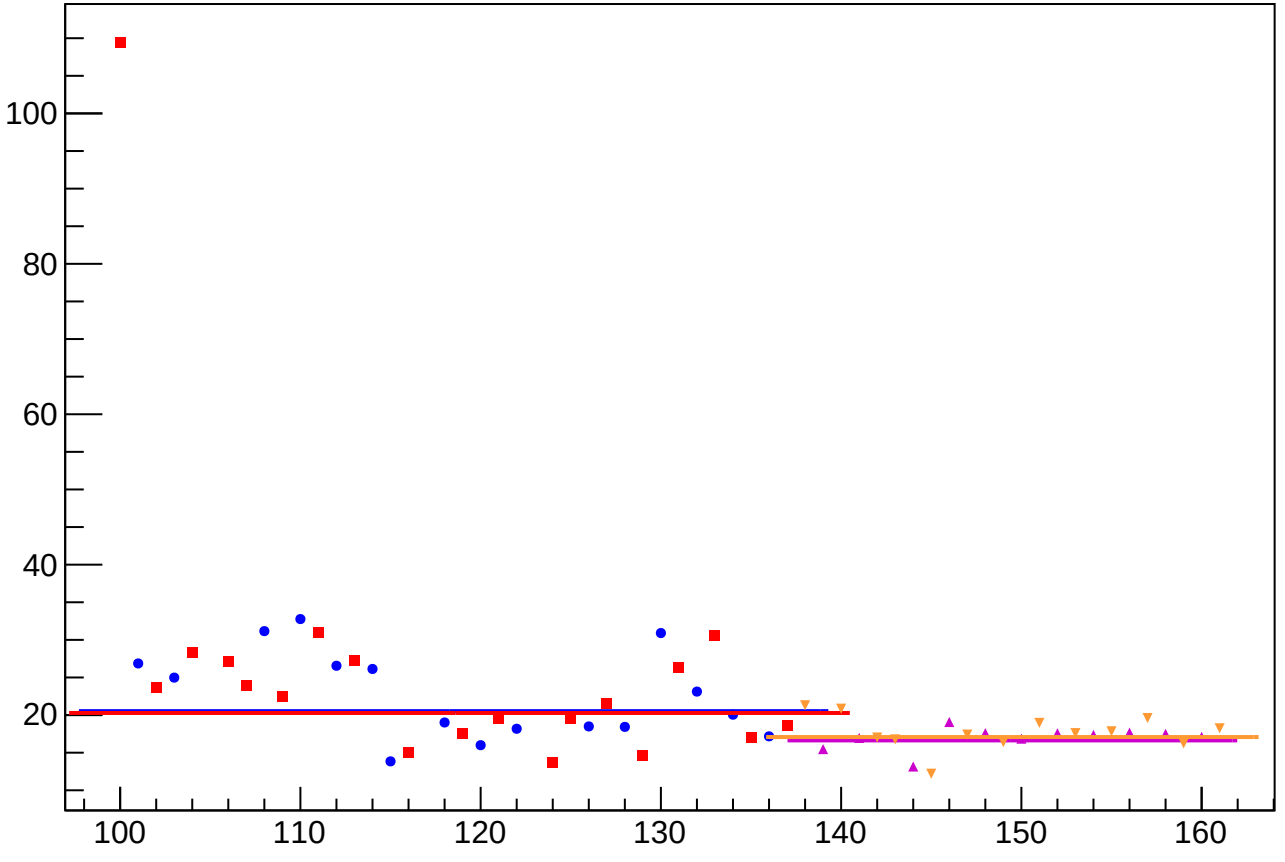
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: -0.002+/-0.004 χ^2/NDF:35.4/31

All: -0.001+/-0.003 χ^2/NDF: 63.8/58

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: 17.079+/-0.004 χ^2/NDF:409783.4/12

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

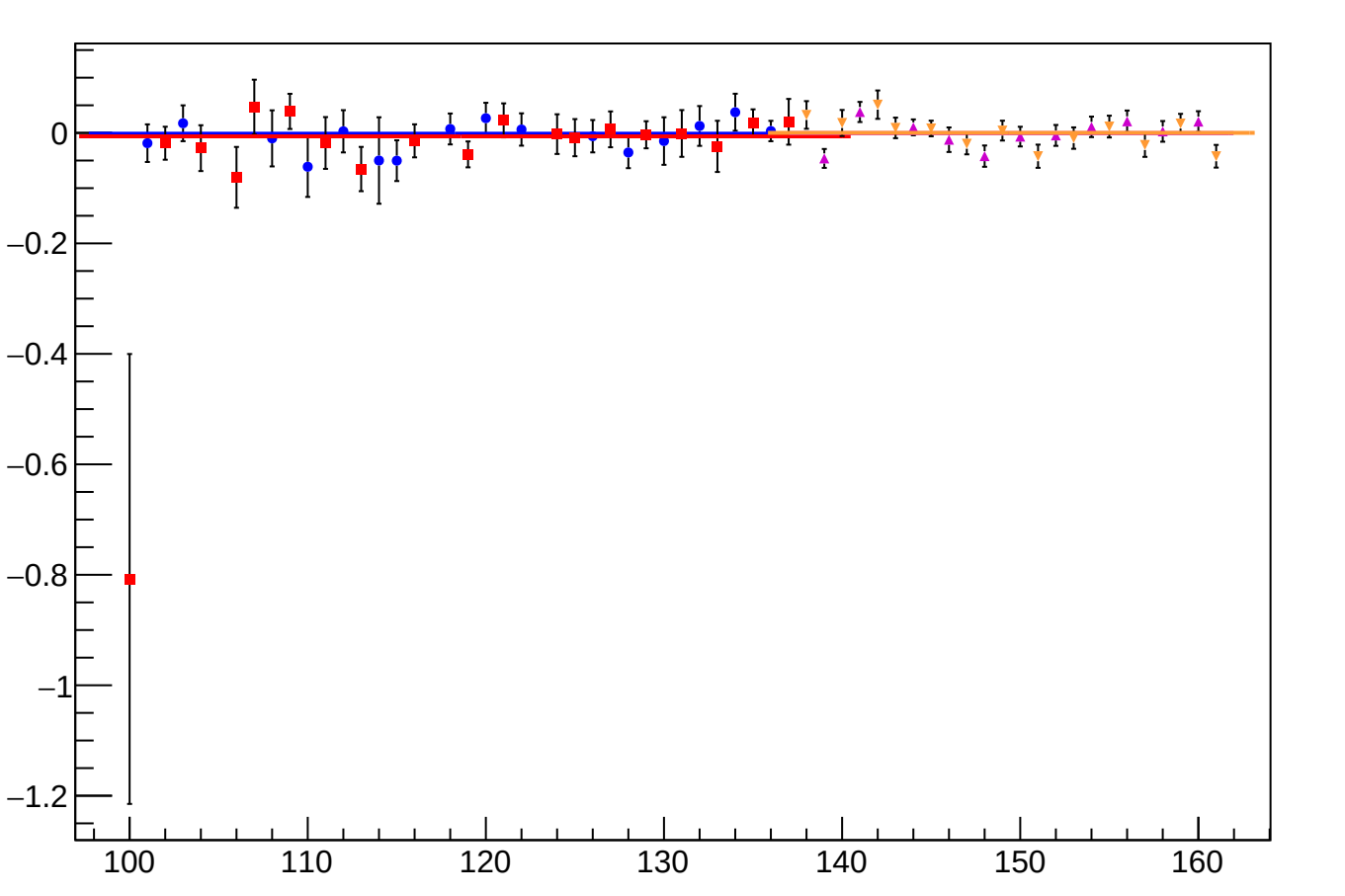
Left: 16.858+/-0.003 χ^2/NDF: 591277.5/23

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.866+/-0.003 χ^2/NDF:1198635.4/26

Out: 18.110+/-0.003 χ^2/NDF:1497830.1/31

All: 17.990+/-0.002 χ^2/NDF: 2699402.5/58



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:20.1/10

Left: -0.000+/-0.004 χ^2/NDF: 38.8/23

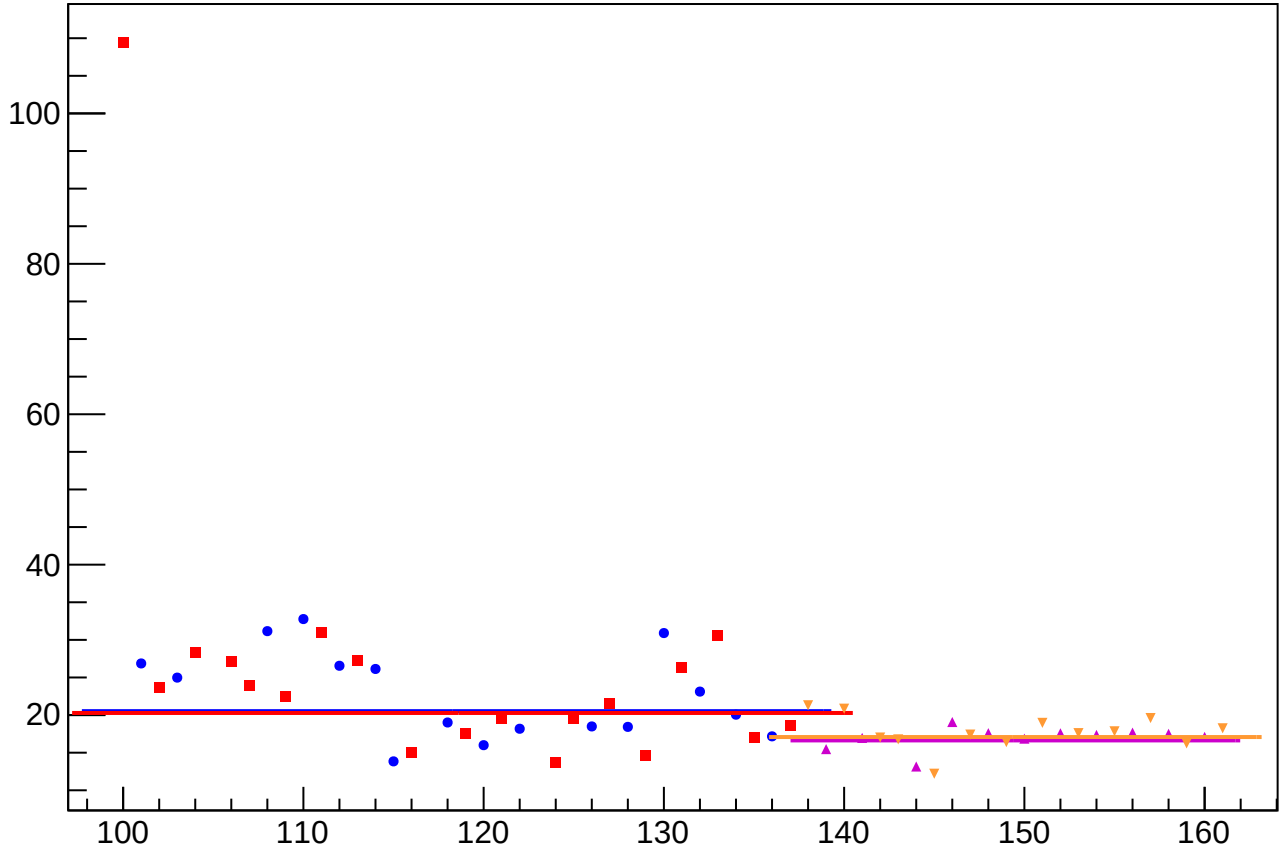
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.005 χ^2/NDF:28.4/26

Out: -0.002+/-0.004 χ^2/NDF:35.4/31

All: -0.001+/-0.003 χ^2/NDF: 63.8/58

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: 17.079+/-0.004 χ^2/NDF:409783.4/12

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

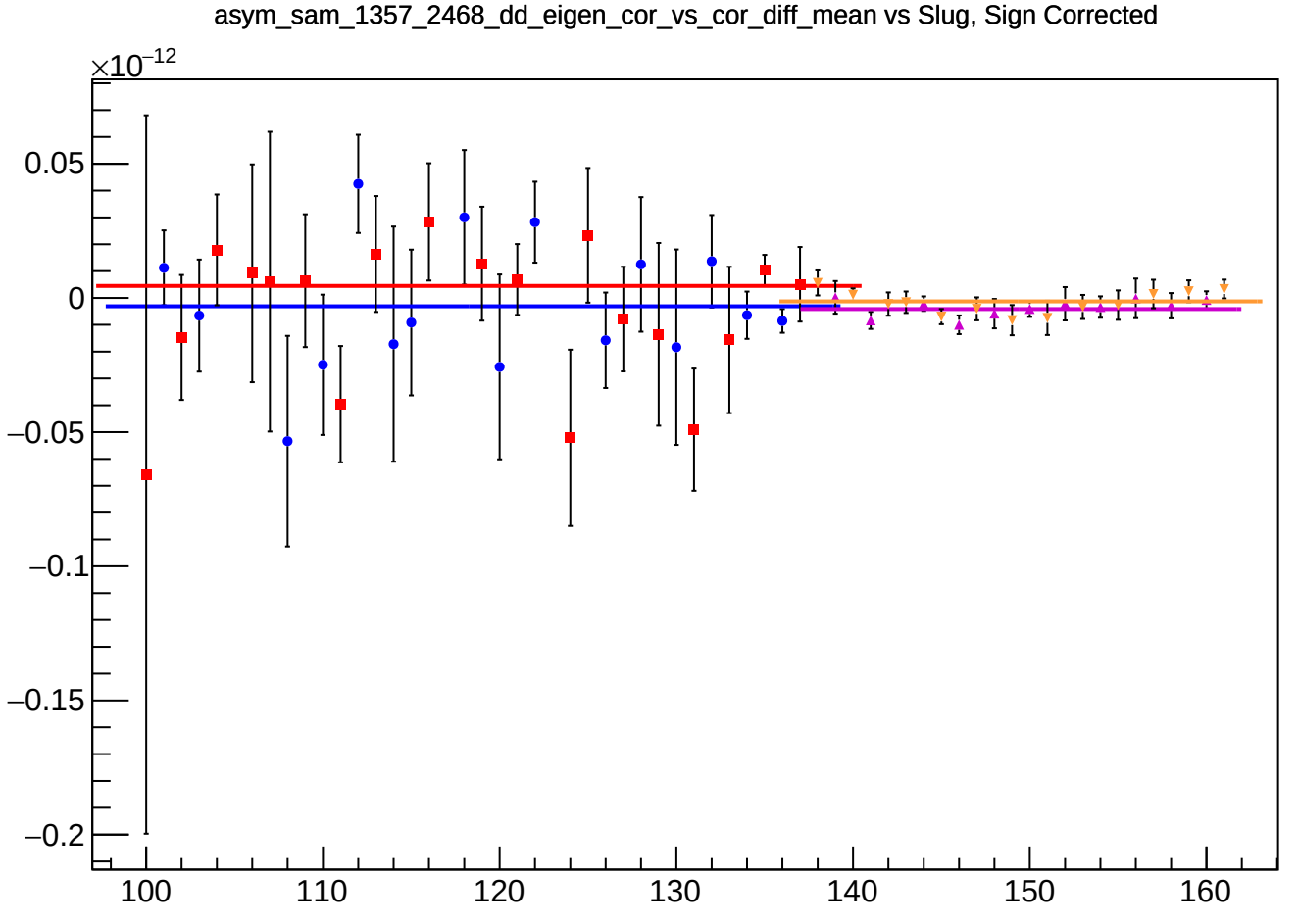
Left: 16.858+/-0.003 χ^2/NDF: 591277.5/23

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.866+/-0.003 χ^2/NDF:1198635.4/26

Out: 18.110+/-0.003 χ^2/NDF:1497830.1/31

All: 17.990+/-0.002 χ^2/NDF: 2699402.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

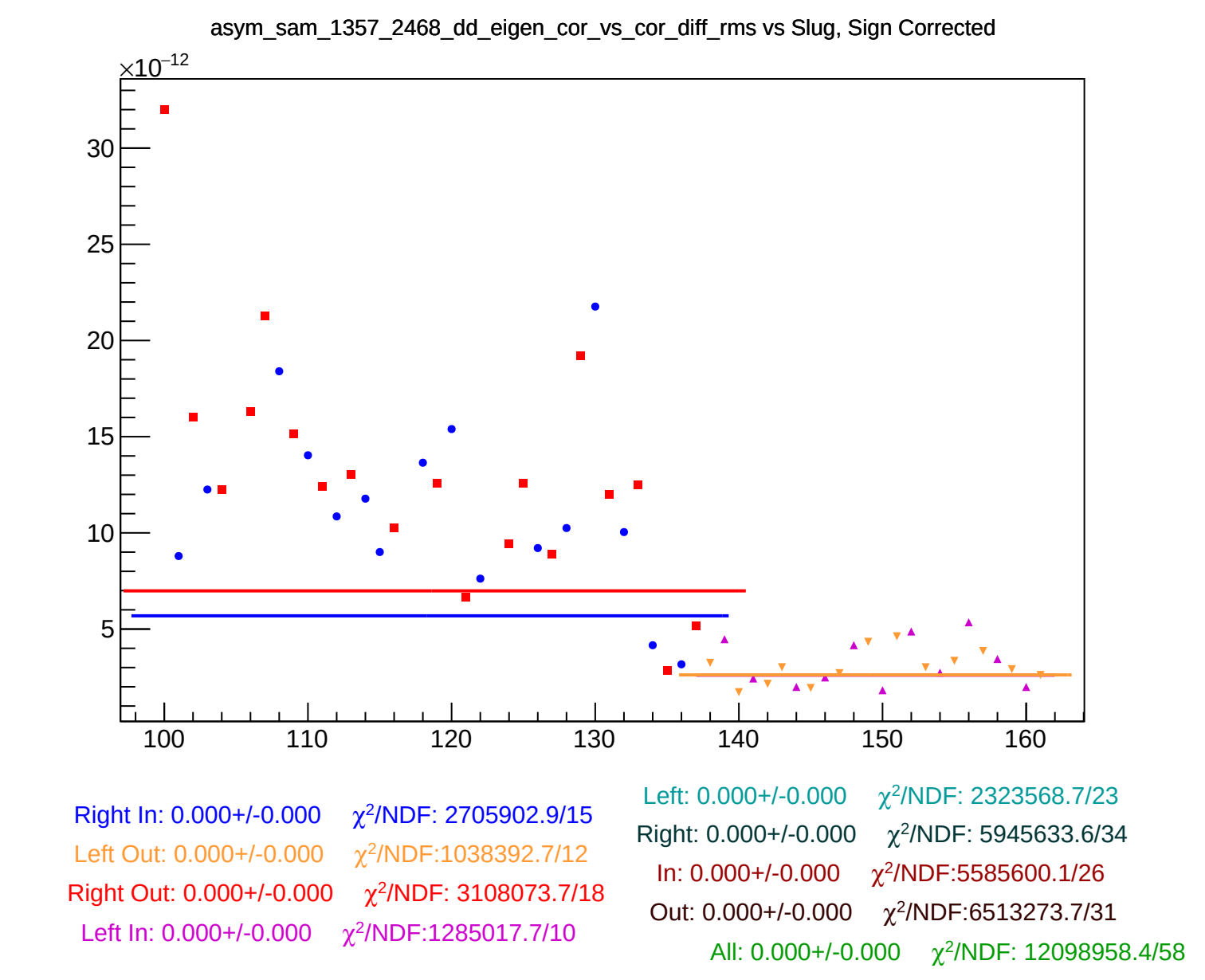
Left: -0.000+/-0.000 χ^2/NDF: 24.0/23

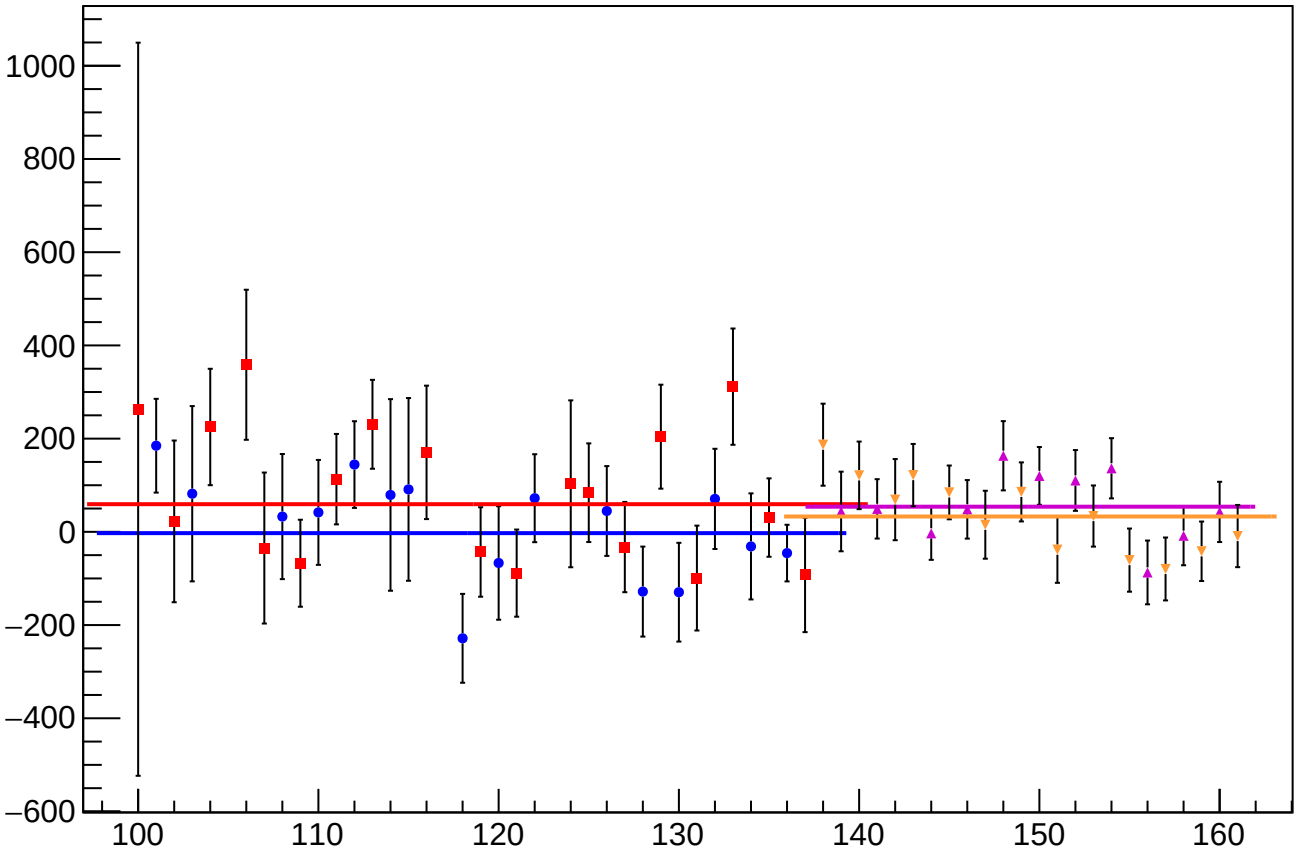
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:27.4/26

Out: -0.000+/-0.000 χ^2/NDF:34.1/31

All: -0.000+/-0.000 χ^2/NDF: 65.9/58


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1038392.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1285017.7/10
Left: 0.000+/-0.000 χ²/NDF: 2323568.7/23
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5585600.1/26
Out: 0.000+/-0.000 χ²/NDF:6513273.7/31
All: 0.000+/-0.000 χ²/NDF: 12098958.4/58



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.933+/-19.069 χ^2/NDF:15.5/12

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 53.951+/-19.745 χ^2/NDF:12.0/10

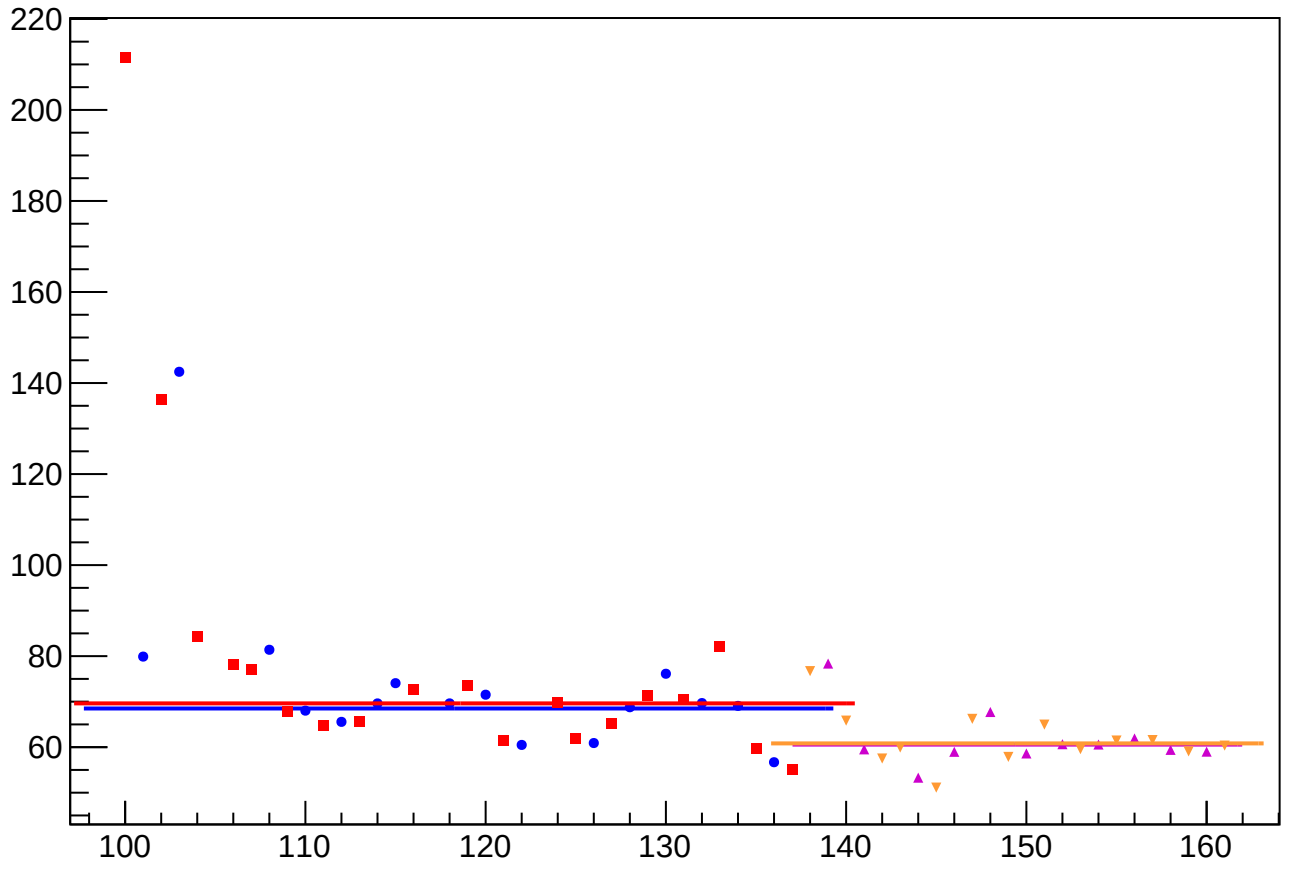
Left: 43.076+/-13.717 χ^2/NDF: 28.0/23

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 33.419+/-15.771 χ^2/NDF:32.6/26

Out: 41.998+/-15.455 χ^2/NDF:41.9/31

All: 37.795+/-11.038 χ^2/NDF: 74.7/58



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.700+/-0.010 χ^2/NDF: 304069.0/23

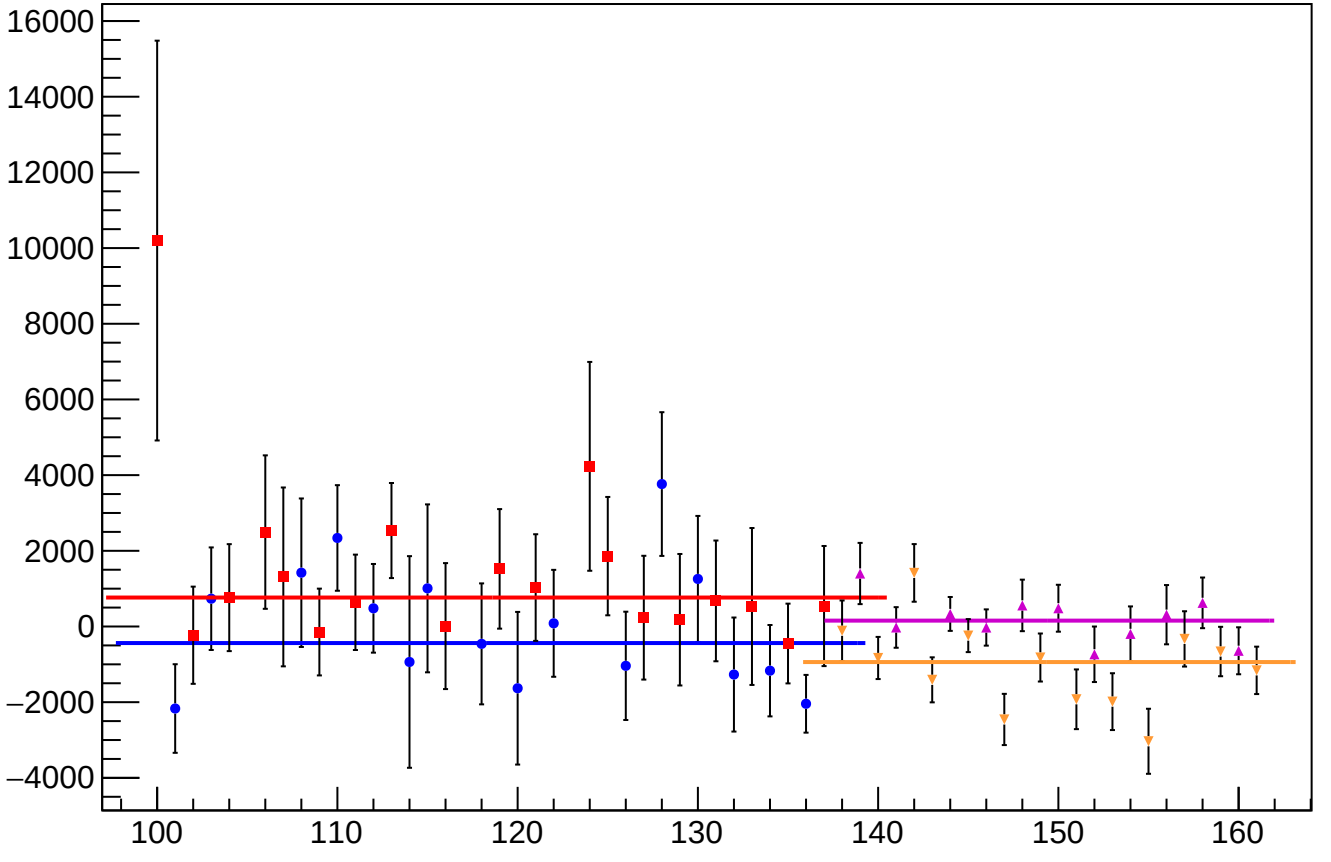
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.435+/-0.011 χ^2/NDF:733298.1/26

Out: 63.845+/-0.011 χ^2/NDF:825703.3/31

All: 63.644+/-0.008 χ^2/NDF: 1559691.1/58

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: -939.632+/-180.309 χ^2/NDF:29.4/12

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 155.267+/-184.677 χ^2/NDF:7.3/10

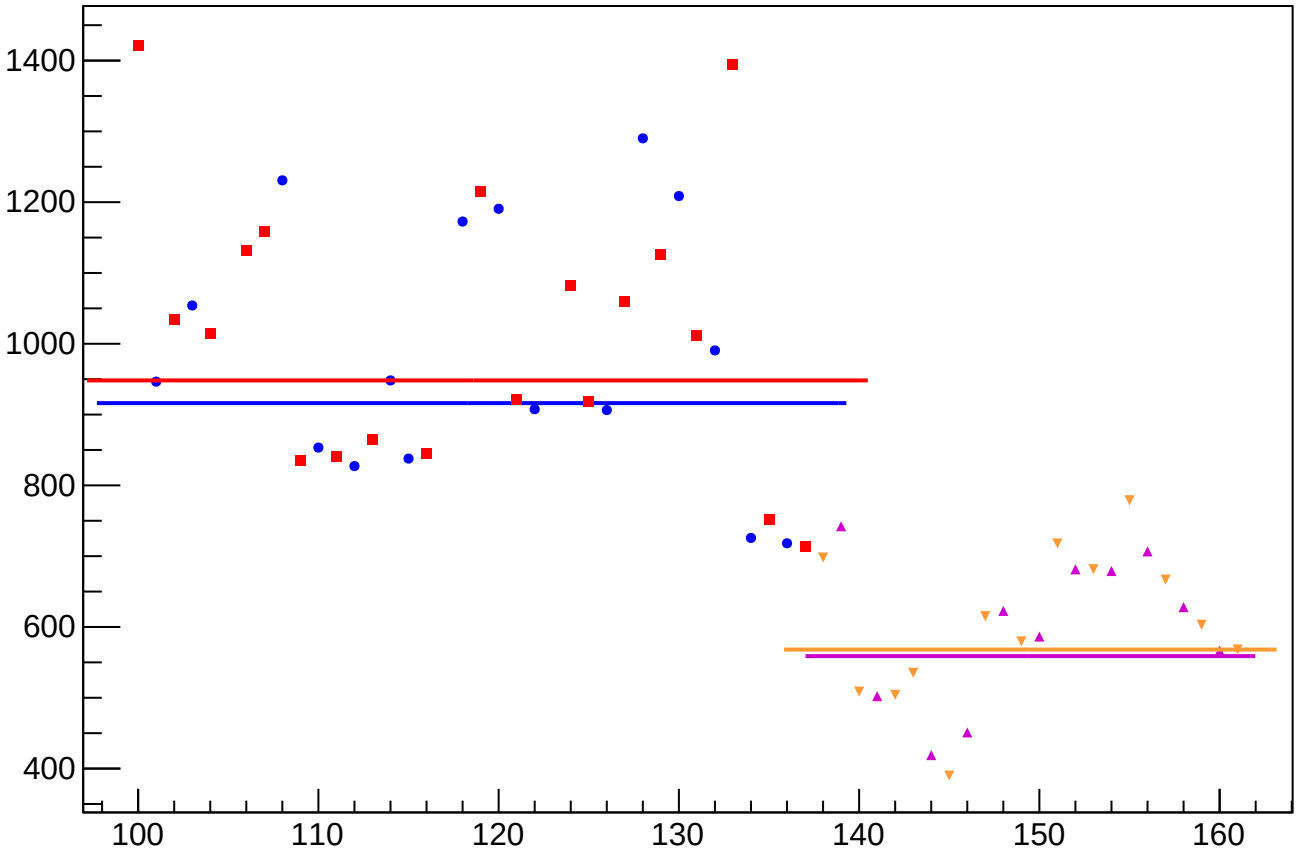
Left: -405.283+/-129.014 χ^2/NDF: 54.6/23

Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 25.538+/-163.220 χ^2/NDF:30.1/26

Out: -586.921+/-160.579 χ^2/NDF:59.2/31

All: -285.686+/-114.469 χ^2/NDF: 96.4/58



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.071+/-0.127 χ^2/NDF:719551.4/12

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 558.796+/-0.131 χ^2/NDF:646462.0/10

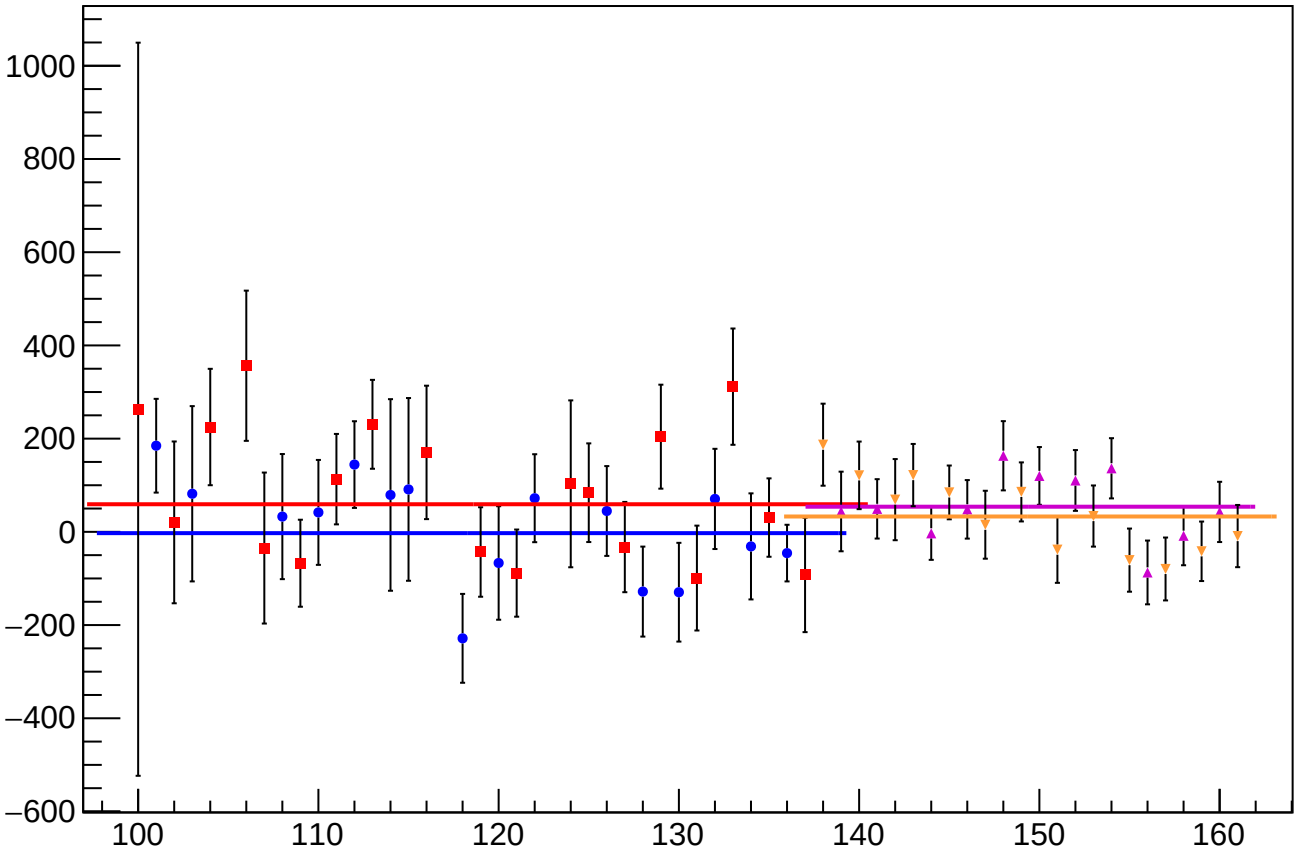
Left: 563.544+/-0.091 χ^2/NDF: 1368595.7/23

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 637.016+/-0.115 χ^2/NDF:2794841.6/26

Out: 646.716+/-0.114 χ^2/NDF:2973986.7/31

All: 641.945+/-0.081 χ^2/NDF: 5772417.5/58



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.934+/-19.069 χ^2/NDF:15.5/12

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 53.952+/-19.745 χ^2/NDF:12.0/10

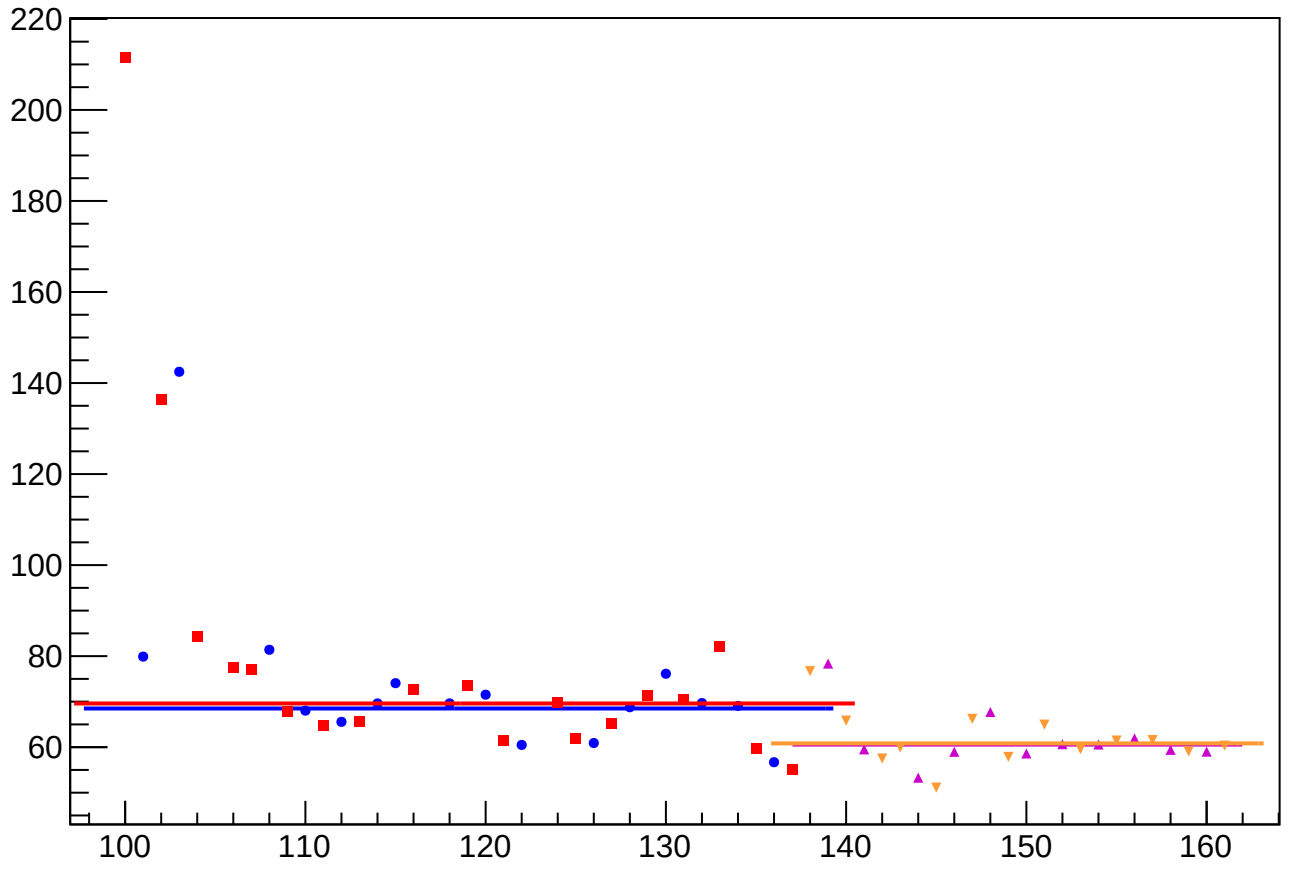
Left: 43.077+/-13.717 χ^2/NDF: 28.0/23

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 33.418+/-15.771 χ^2/NDF:32.6/26

Out: 41.956+/-15.455 χ^2/NDF:41.8/31

All: 37.773+/-11.039 χ^2/NDF: 74.6/58



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.700+/-0.010 χ^2/NDF: 304069.0/23

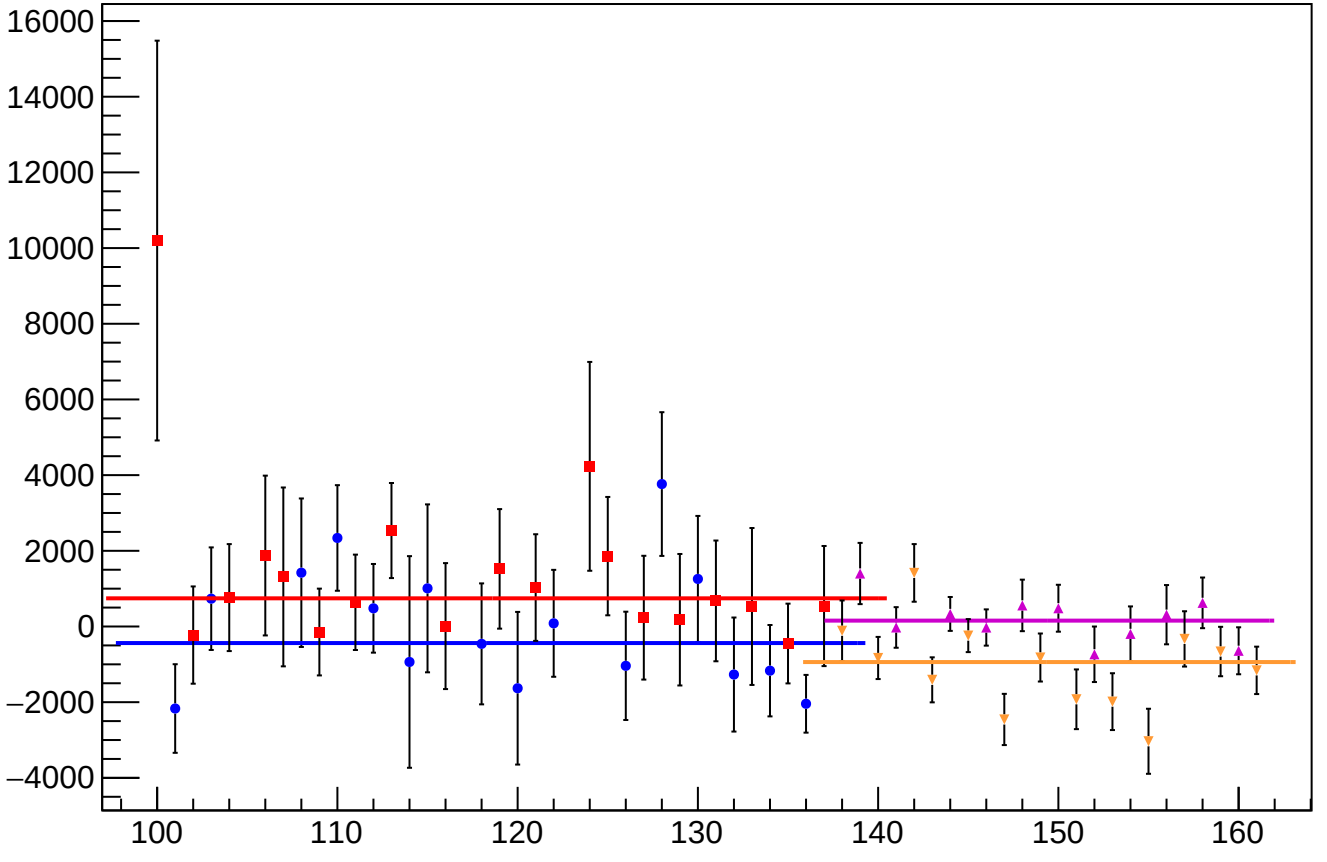
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.435+/-0.011 χ^2/NDF:733301.1/26

Out: 63.838+/-0.011 χ^2/NDF:824442.3/31

All: 63.641+/-0.008 χ^2/NDF: 1558410.5/58

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: -939.630+/-180.309 χ^2/NDF:29.4/12

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 155.272+/-184.677 χ^2/NDF:7.3/10

Left: -405.280+/-129.014 χ^2/NDF: 54.6/23

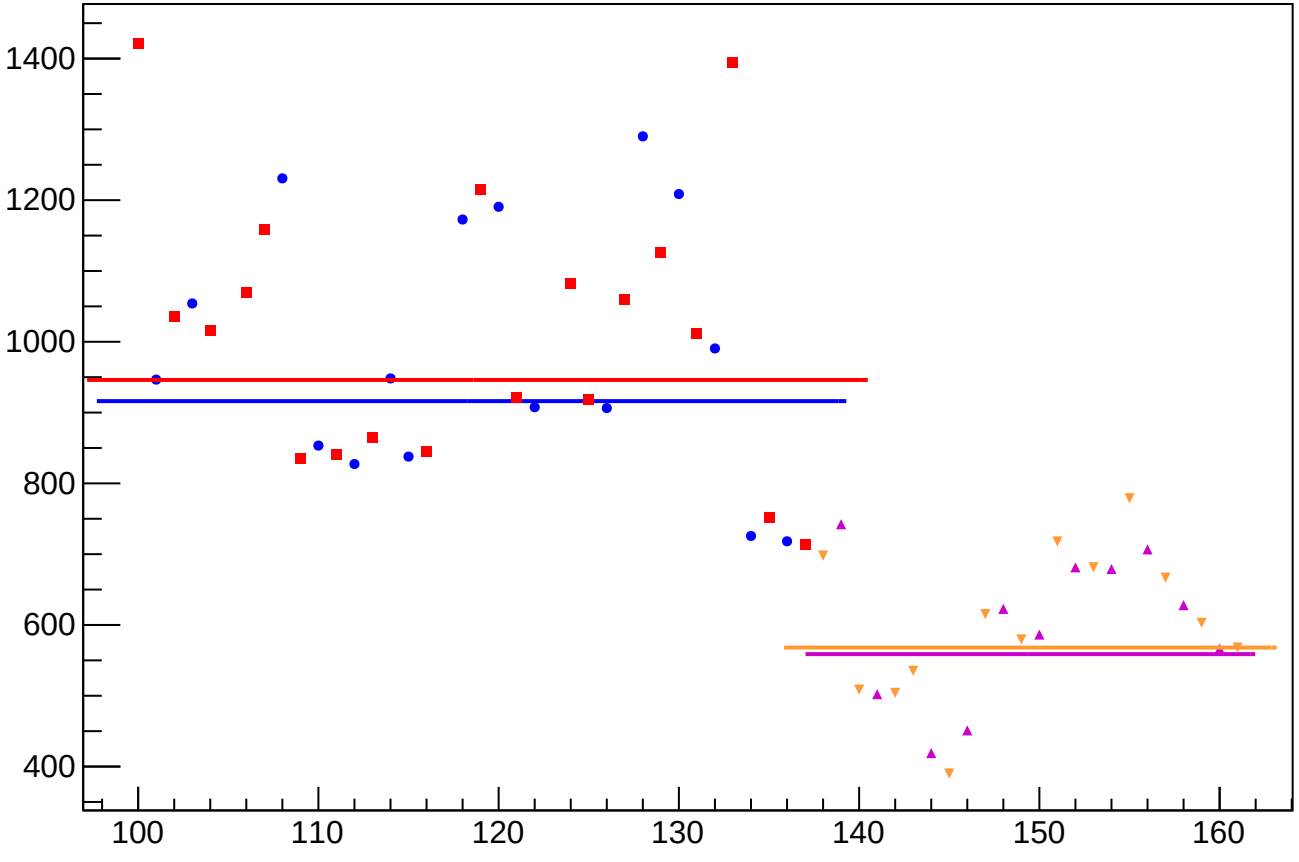
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 25.549+/-163.220 χ^2/NDF:30.1/26

Out: -591.935+/-160.620 χ^2/NDF:58.2/31

All: -288.150+/-114.484 χ^2/NDF: 95.6/58

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.070+/-0.127 χ^2/NDF:719554.9/12

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

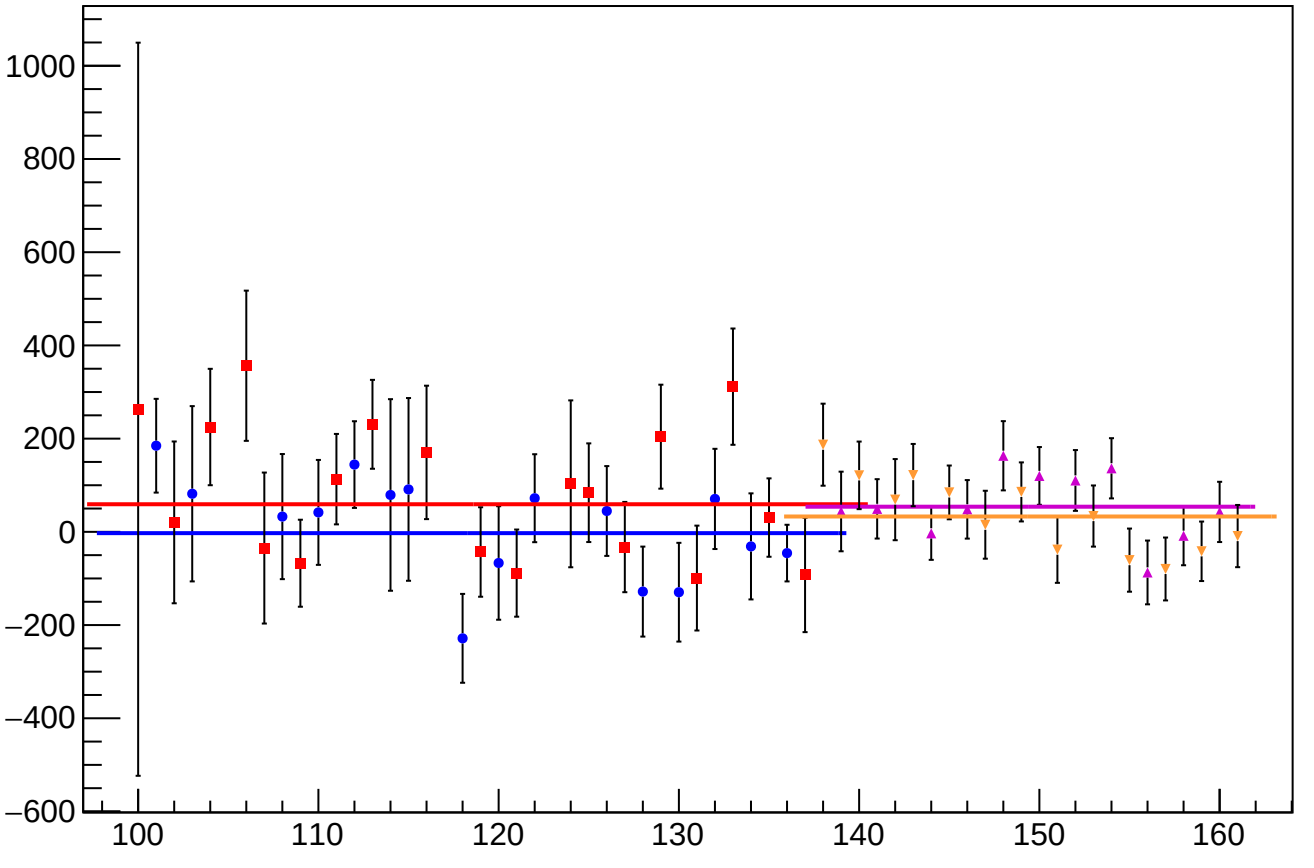
Left: 563.544+/-0.091 χ^2/NDF: 1368596.9/23

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.017+/-0.115 χ^2/NDF:2794883.0/26

Out: 646.120+/-0.114 χ^2/NDF:2939979.5/31

All: 641.641+/-0.081 χ^2/NDF: 5738022.9/58



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.934+/-19.069 χ^2/NDF:15.5/12

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 53.952+/-19.745 χ^2/NDF:12.0/10

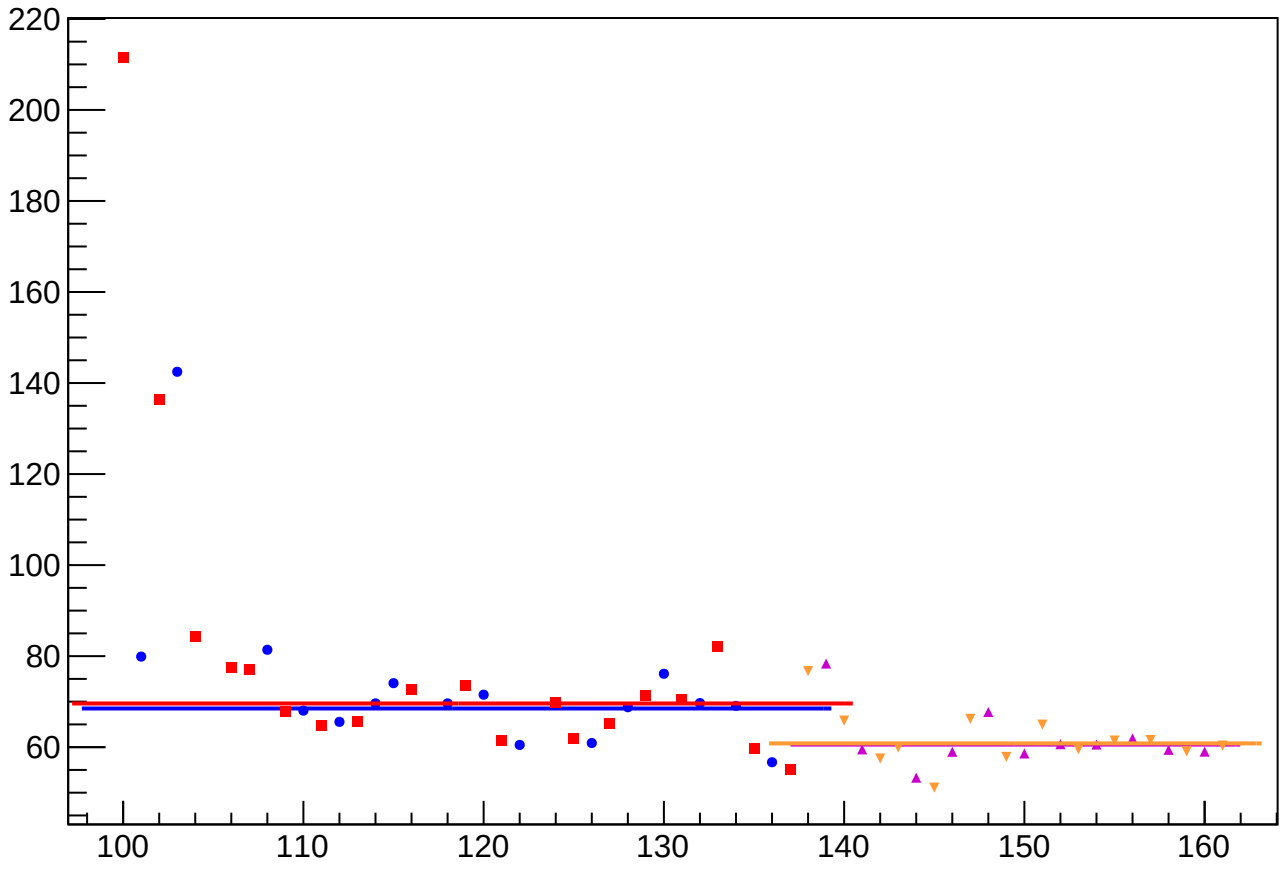
Left: 43.077+/-13.717 χ^2/NDF: 28.0/23

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 33.418+/-15.771 χ^2/NDF:32.6/26

Out: 41.956+/-15.455 χ^2/NDF:41.8/31

All: 37.773+/-11.039 χ^2/NDF: 74.6/58



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

Left: 60.700+/-0.010 χ^2/NDF: 304069.0/23

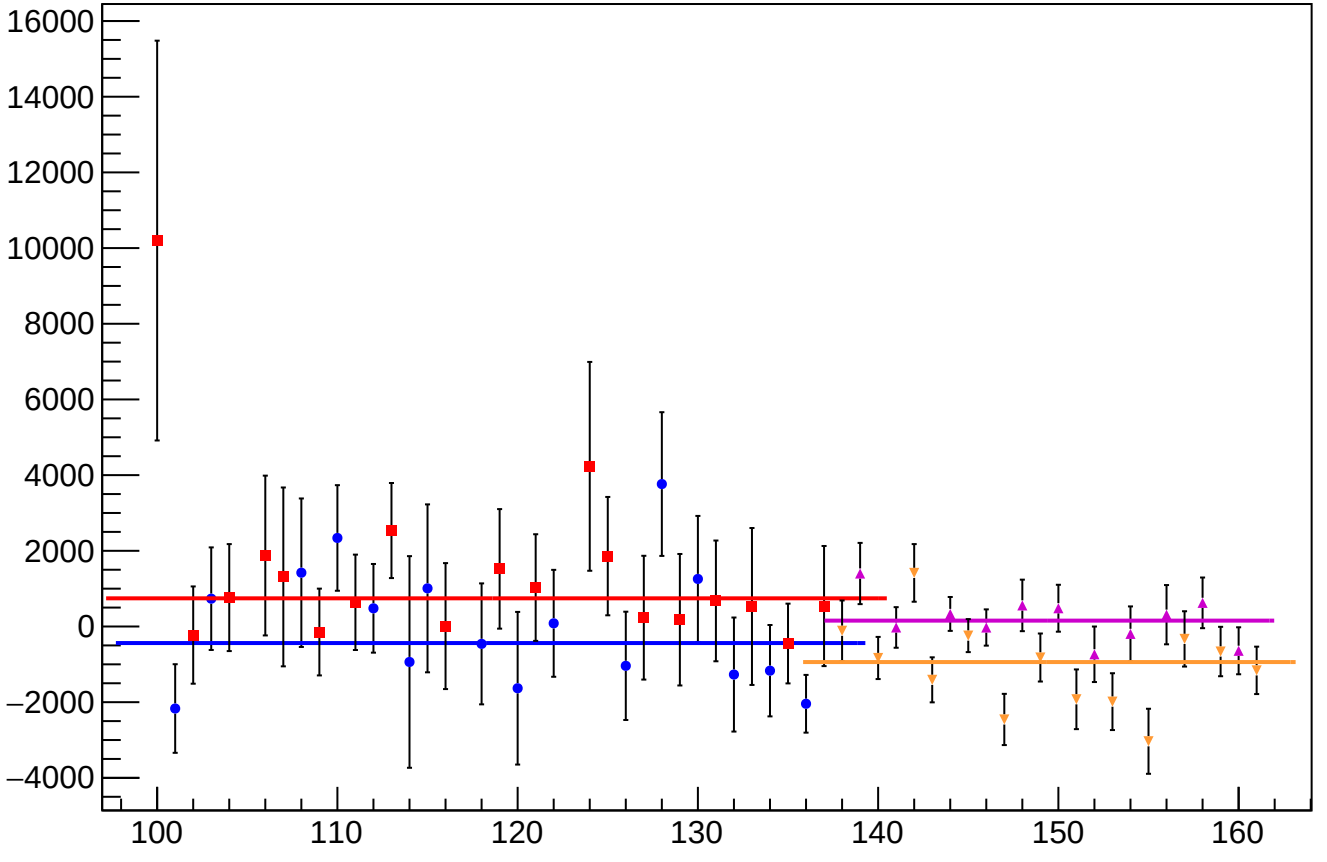
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.435+/-0.011 χ^2/NDF:733301.1/26

Out: 63.838+/-0.011 χ^2/NDF:824442.3/31

All: 63.641+/-0.008 χ^2/NDF: 1558410.5/58

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: -939.630+/-180.309 χ^2/NDF:29.4/12

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 155.272+/-184.677 χ^2/NDF:7.3/10

Left: -405.280+/-129.014 χ^2/NDF: 54.6/23

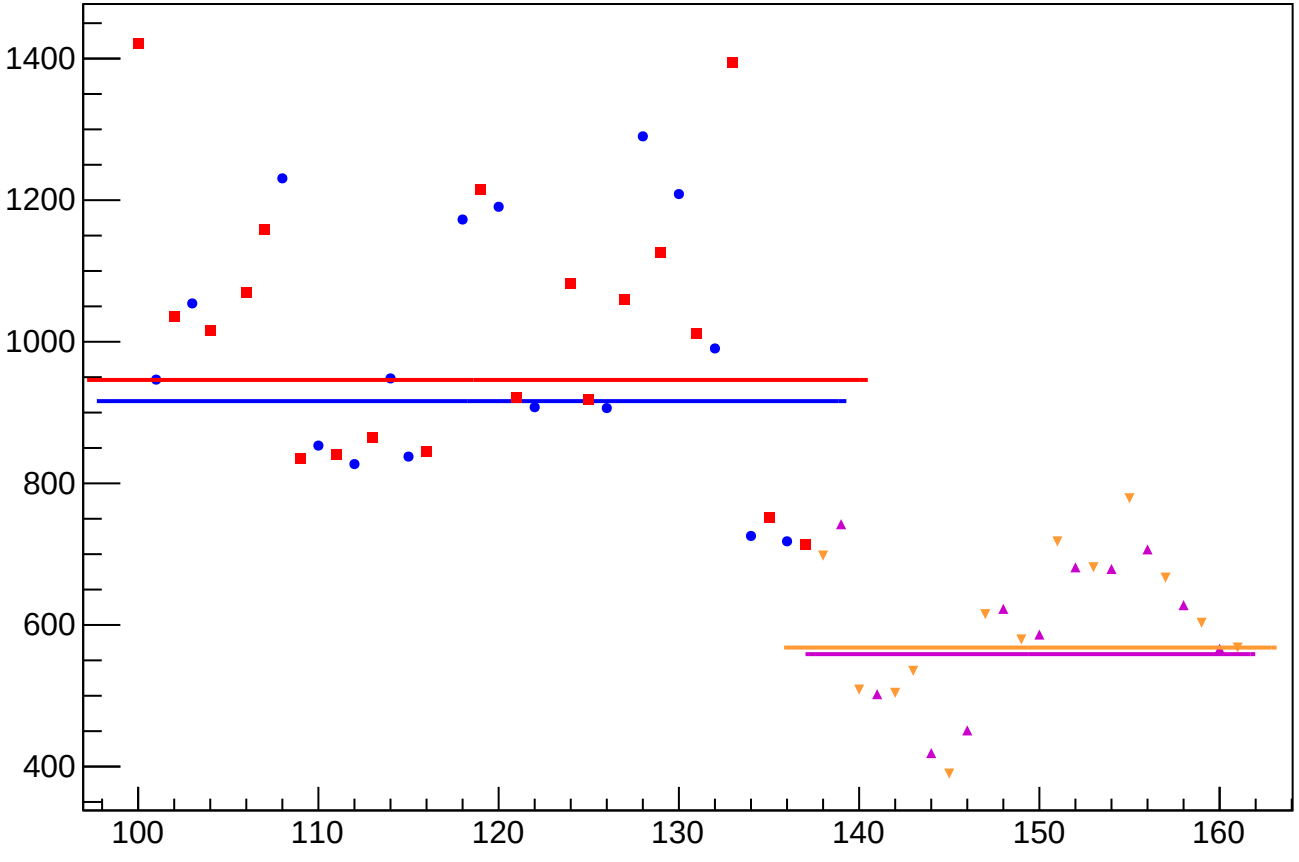
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 25.549+/-163.220 χ^2/NDF:30.1/26

Out: -591.935+/-160.620 χ^2/NDF:58.2/31

All: -288.150+/-114.484 χ^2/NDF: 95.6/58

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.070+/-0.127 χ^2/NDF:719554.9/12

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

Left: 563.544+/-0.091 χ^2/NDF: 1368596.9/23

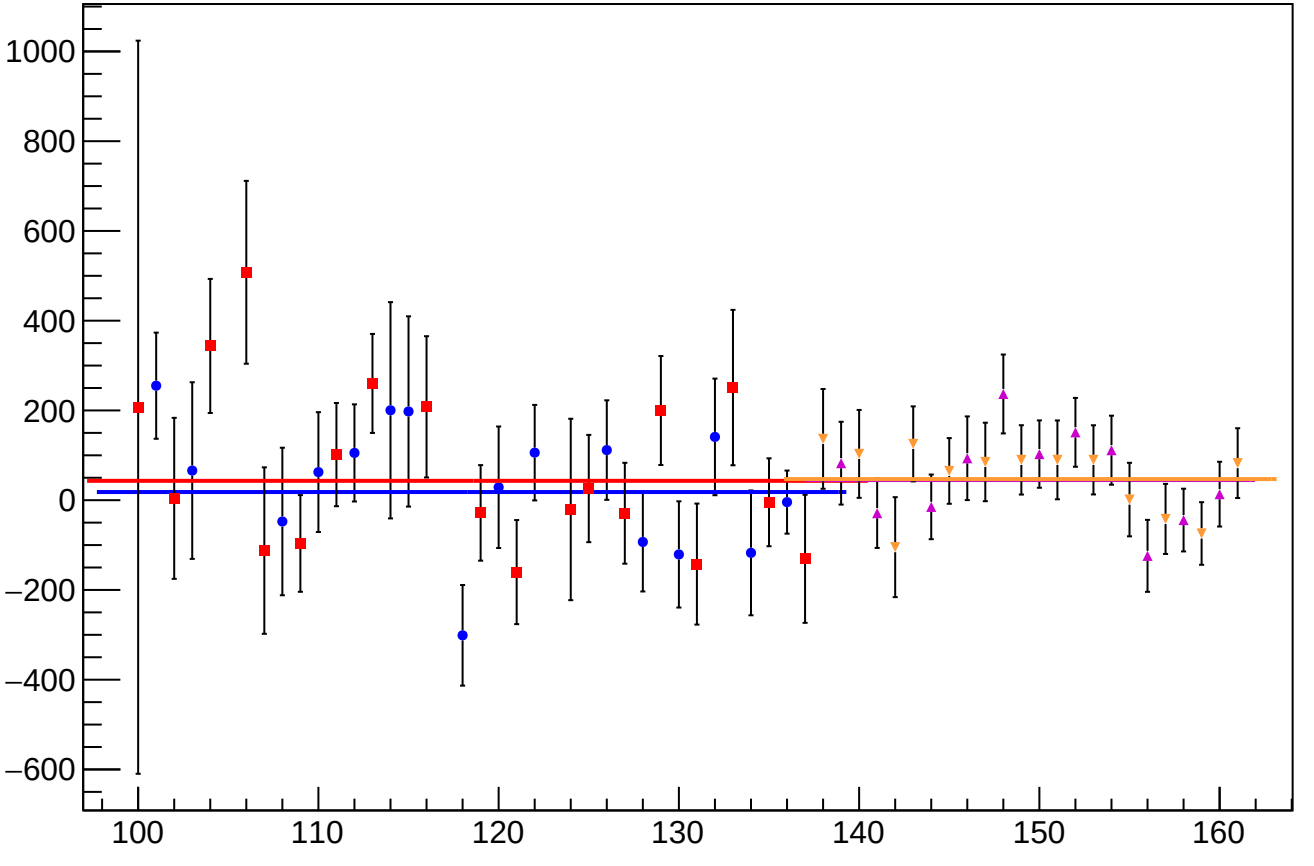
Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.017+/-0.115 χ^2/NDF:2794883.0/26

Out: 646.120+/-0.114 χ^2/NDF:2939979.5/31

All: 641.641+/-0.081 χ^2/NDF: 5738022.9/58

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 47.047+/-23.089 χ^2/NDF:9.7/12

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 44.928+/-23.636 χ^2/NDF:16.3/10

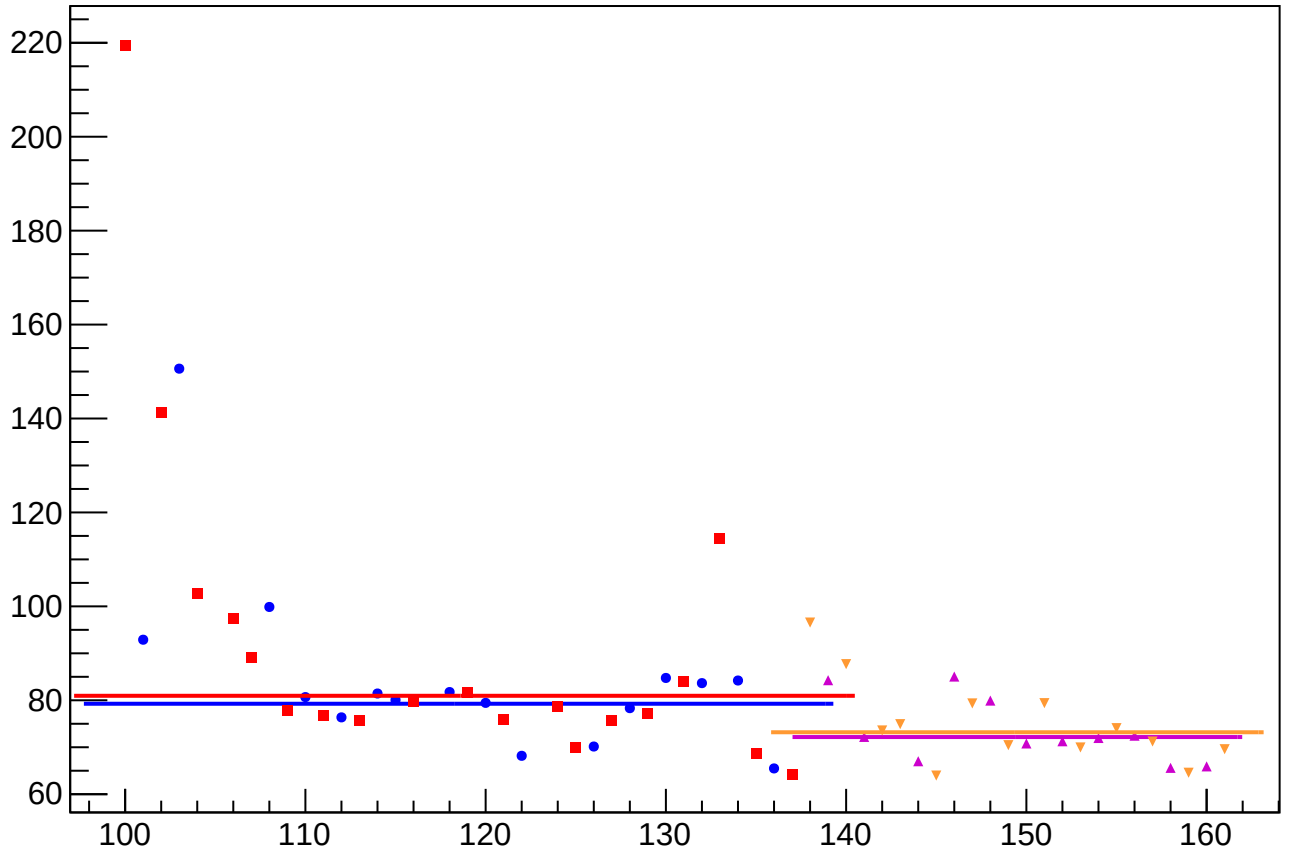
Left: 46.012+/-16.517 χ^2/NDF: 26.0/23

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 34.826+/-18.647 χ^2/NDF:36.9/26

Out: 45.638+/-18.455 χ^2/NDF:37.4/31

All: 40.288+/-13.117 χ^2/NDF: 74.5/58



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.192+/-0.016 χ^2/NDF:227000.9/12

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.173+/-0.017 χ^2/NDF:131982.7/10

Left: 72.694+/-0.012 χ^2/NDF: 360886.0/23

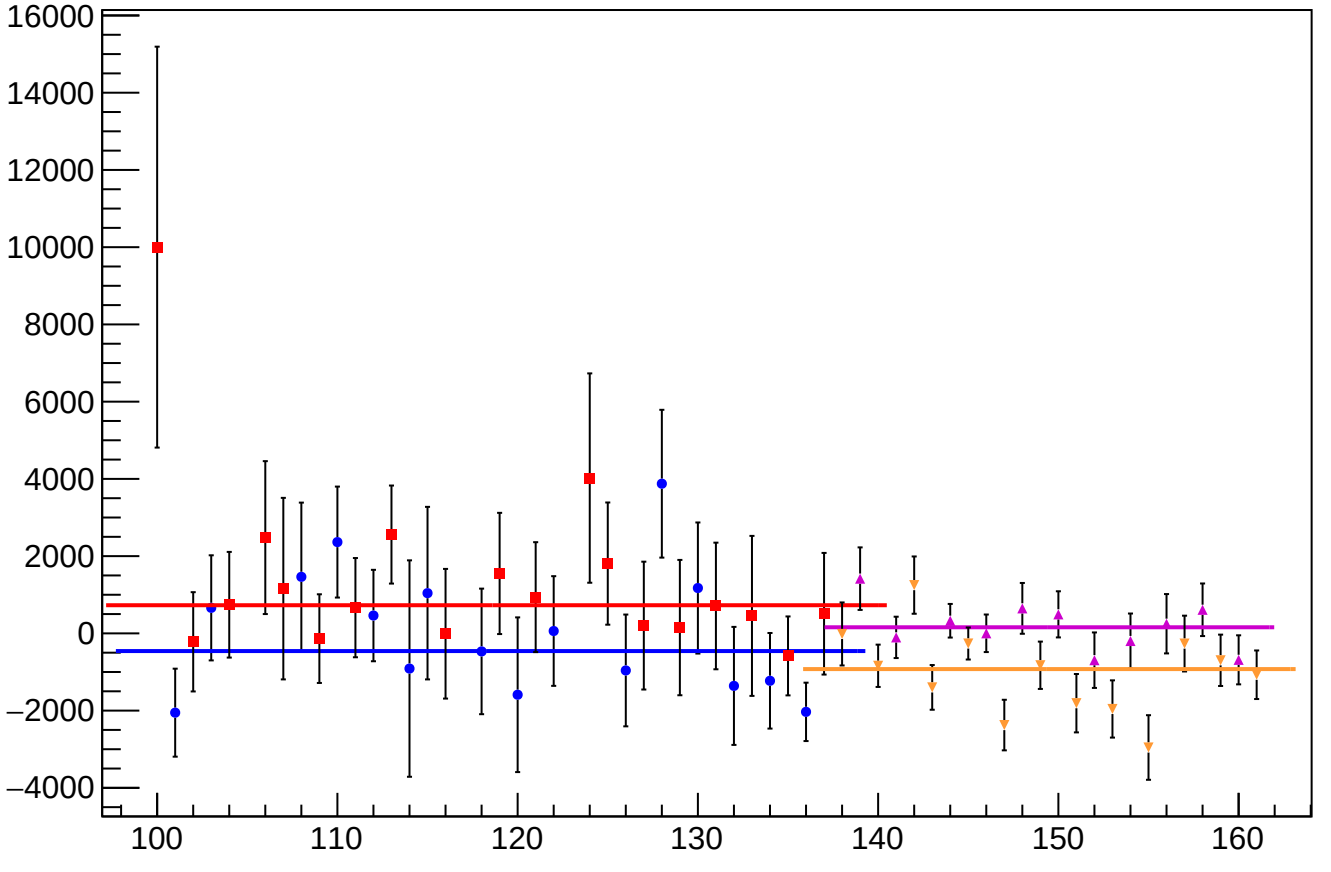
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.850+/-0.013 χ^2/NDF:644890.8/26

Out: 75.997+/-0.013 χ^2/NDF:822915.0/31

All: 75.429+/-0.009 χ^2/NDF: 1471628.4/58

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: -924.763+/-176.376 χ^2/NDF:28.2/12

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 157.811+/-182.940 χ^2/NDF:7.7/10

Left: -403.247+/-126.974 χ^2/NDF: 54.0/23

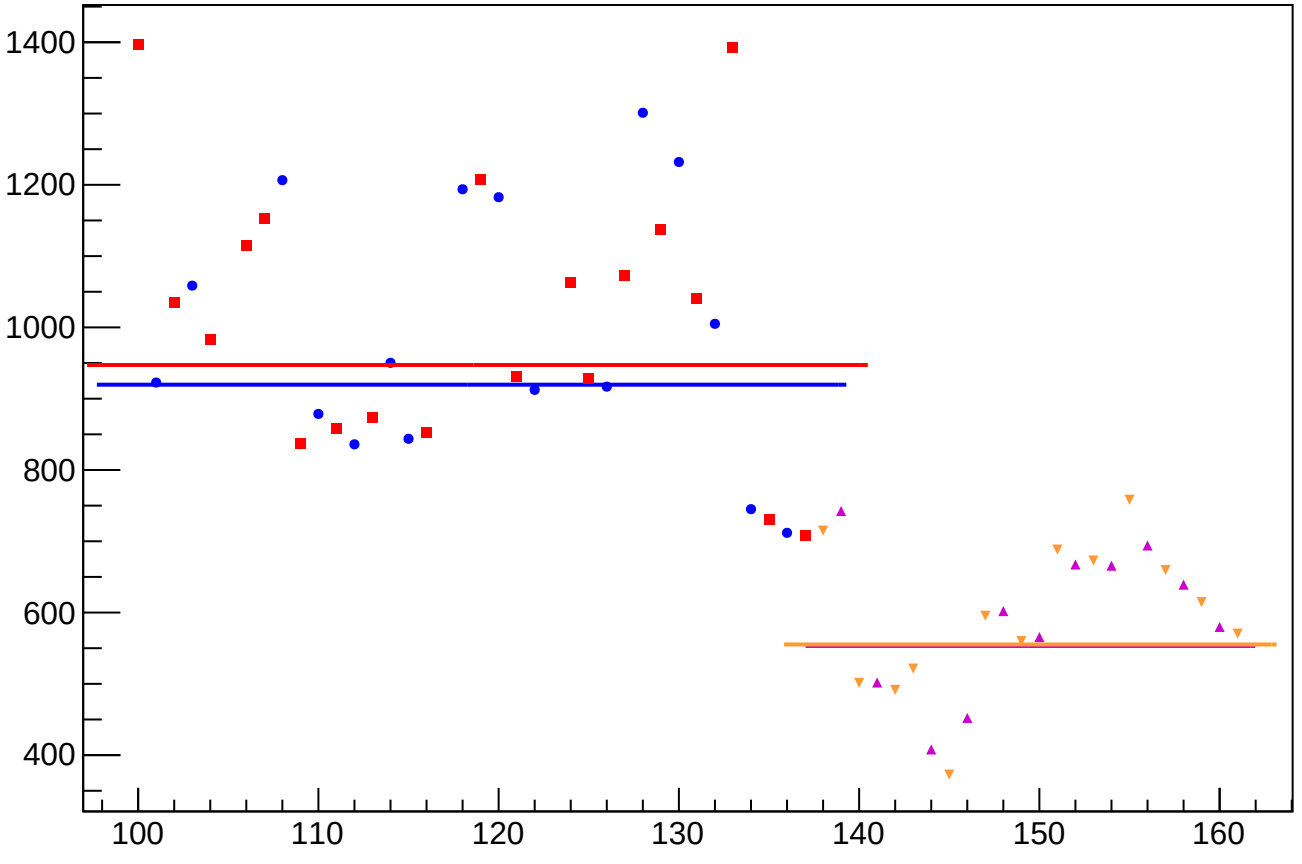
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 25.693+/-162.136 χ^2/NDF:30.4/26

Out: -593.794+/-157.739 χ^2/NDF:57.3/31

All: -292.564+/-113.061 χ^2/NDF: 95.2/58

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: 555.224+/-0.125 χ^2/NDF:801240.2/12

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 553.141+/-0.129 χ^2/NDF:651665.4/10

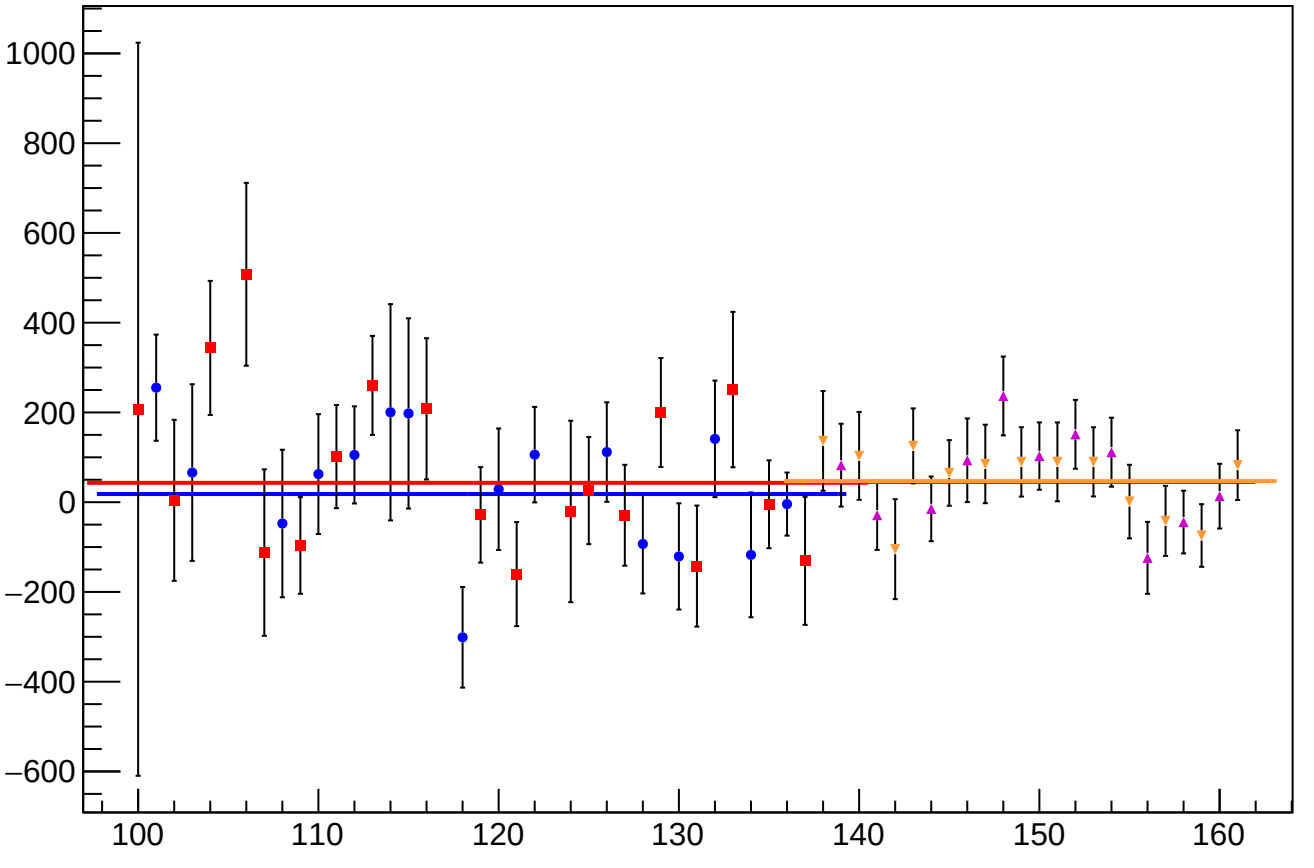
Left: 554.221+/-0.090 χ^2/NDF: 1453040.0/23

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 631.757+/-0.115 χ^2/NDF:2888950.6/26

Out: 633.697+/-0.112 χ^2/NDF:3204731.9/31

All: 632.753+/-0.080 χ^2/NDF: 6093829.7/58



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 47.048+/-23.090 χ^2/NDF:9.7/12

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 44.927+/-23.636 χ^2/NDF:16.3/10

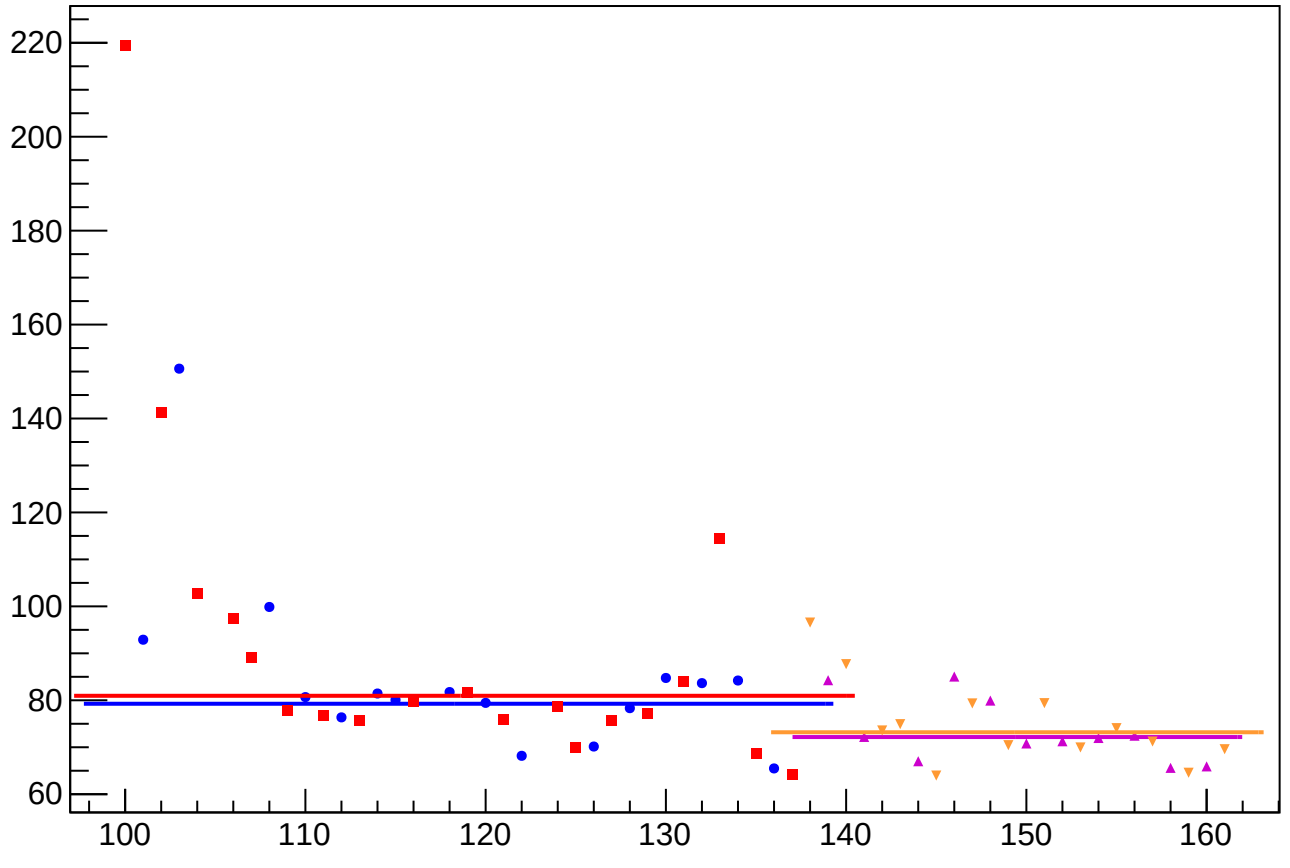
Left: 46.012+/-16.517 χ^2/NDF: 26.0/23

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 34.826+/-18.647 χ^2/NDF:36.9/26

Out: 45.638+/-18.455 χ^2/NDF:37.4/31

All: 40.288+/-13.117 χ^2/NDF: 74.5/58



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.192+/-0.016 χ^2/NDF:226998.9/12

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.173+/-0.017 χ^2/NDF:131986.5/10

Left: 72.694+/-0.012 χ^2/NDF: 360887.9/23

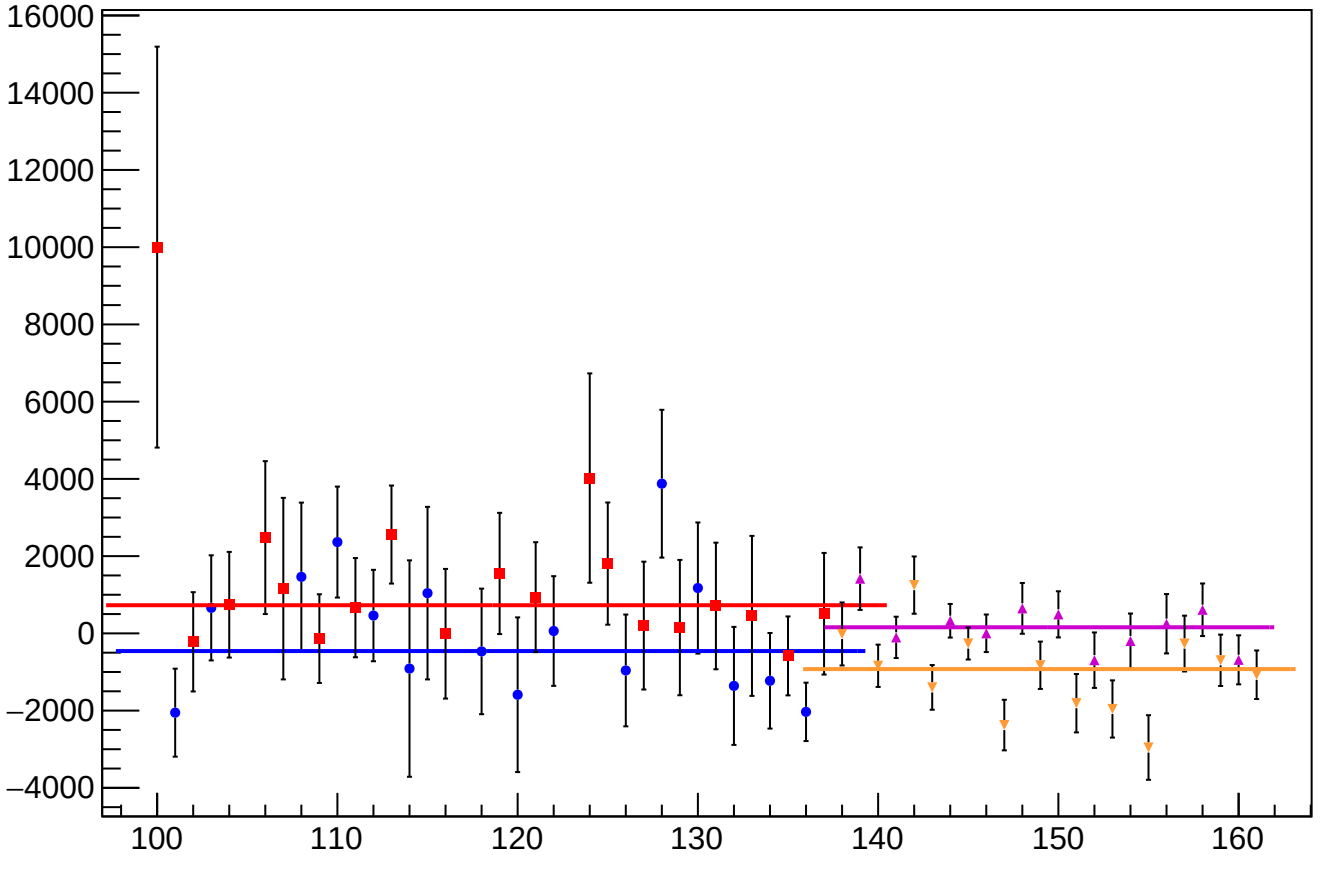
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.850+/-0.013 χ^2/NDF:644883.0/26

Out: 75.997+/-0.013 χ^2/NDF:822911.5/31

All: 75.429+/-0.009 χ^2/NDF: 1471617.4/58

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: -924.762+/-176.375 χ^2/NDF:28.2/12

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 157.810+/-182.940 χ^2/NDF:7.7/10

Left: -403.247+/-126.974 χ^2/NDF: 54.0/23

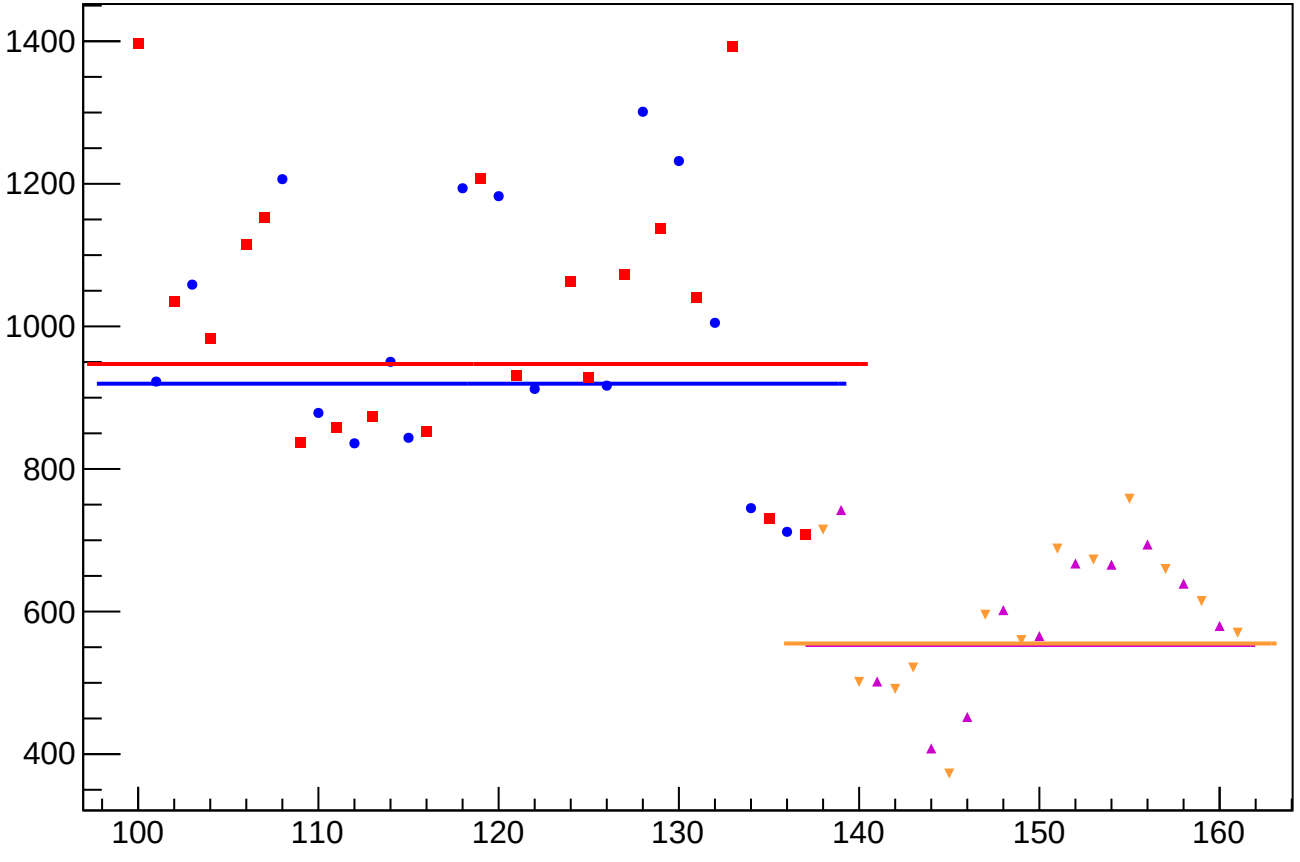
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 25.693+/-162.136 χ^2/NDF:30.4/26

Out: -593.793+/-157.739 χ^2/NDF:57.3/31

All: -292.564+/-113.061 χ^2/NDF: 95.2/58

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: 555.223+/-0.125 χ^2/NDF:801244.2/12

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 553.140+/-0.129 χ^2/NDF:651664.2/10

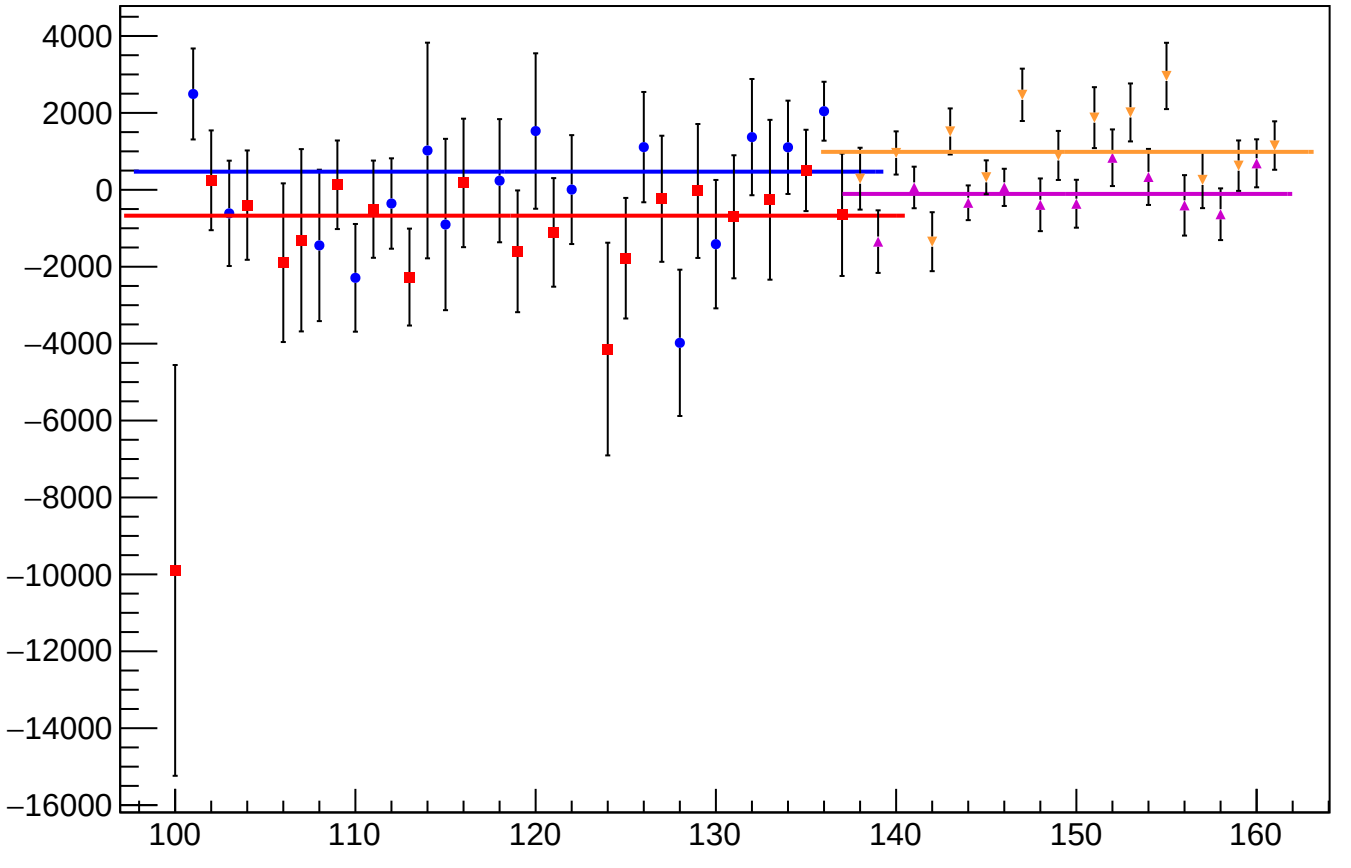
Left: 554.220+/-0.090 χ^2/NDF: 1453042.8/23

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 631.756+/-0.115 χ^2/NDF:2888944.2/26

Out: 633.696+/-0.112 χ^2/NDF:3204733.3/31

All: 632.752+/-0.080 χ^2/NDF: 6093824.7/58



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 987.011+/-181.436 χ^2/NDF:27.6/12

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -106.696+/-185.855 χ^2/NDF:7.5/10

Left: 453.315+/-129.829 χ^2/NDF: 52.8/23

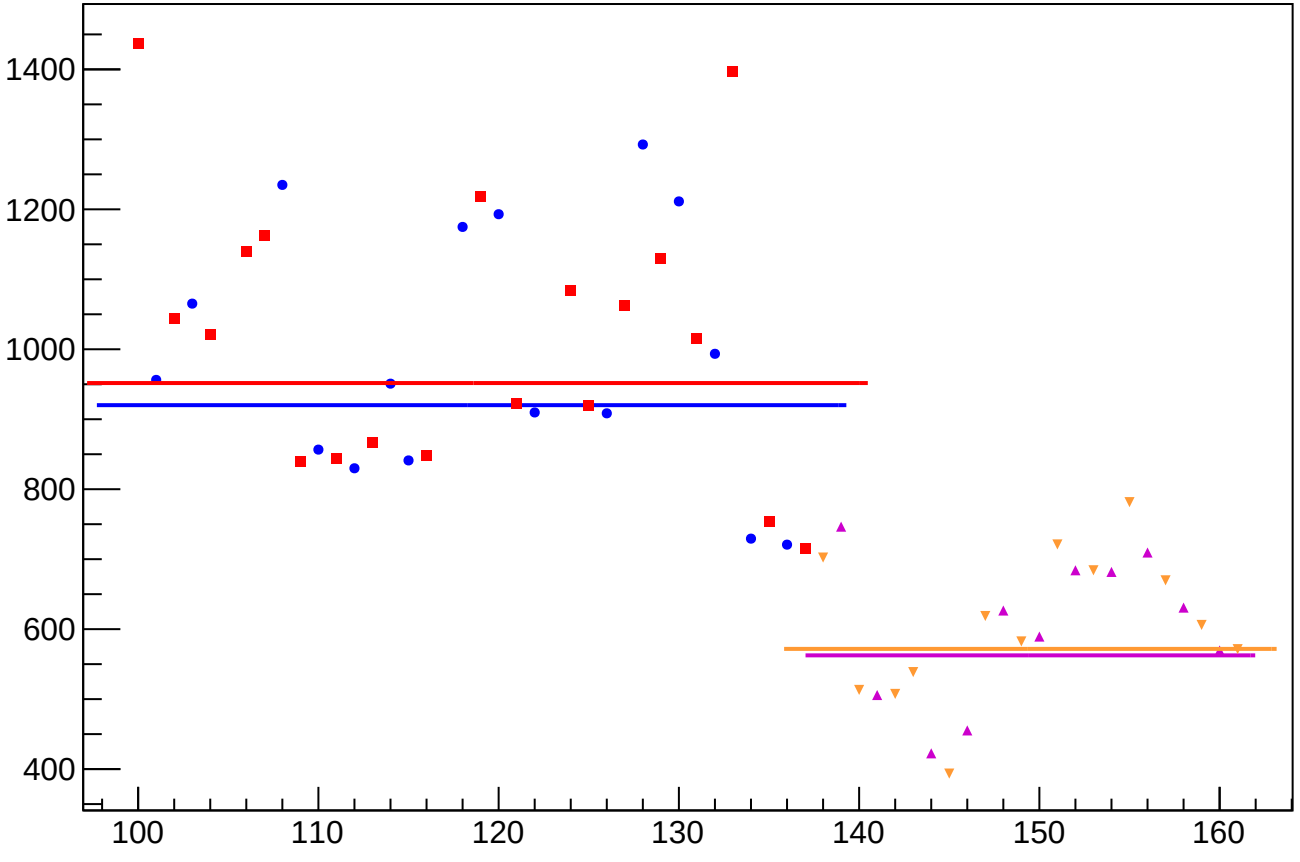
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 20.381+/-164.186 χ^2/NDF:31.1/26

Out: 642.551+/-161.512 χ^2/NDF:55.2/31

All: 336.574+/-115.140 χ^2/NDF: 93.7/58

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 571.796+/-0.128 χ^2/NDF:707286.5/12

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 562.548+/-0.131 χ^2/NDF:635066.0/10

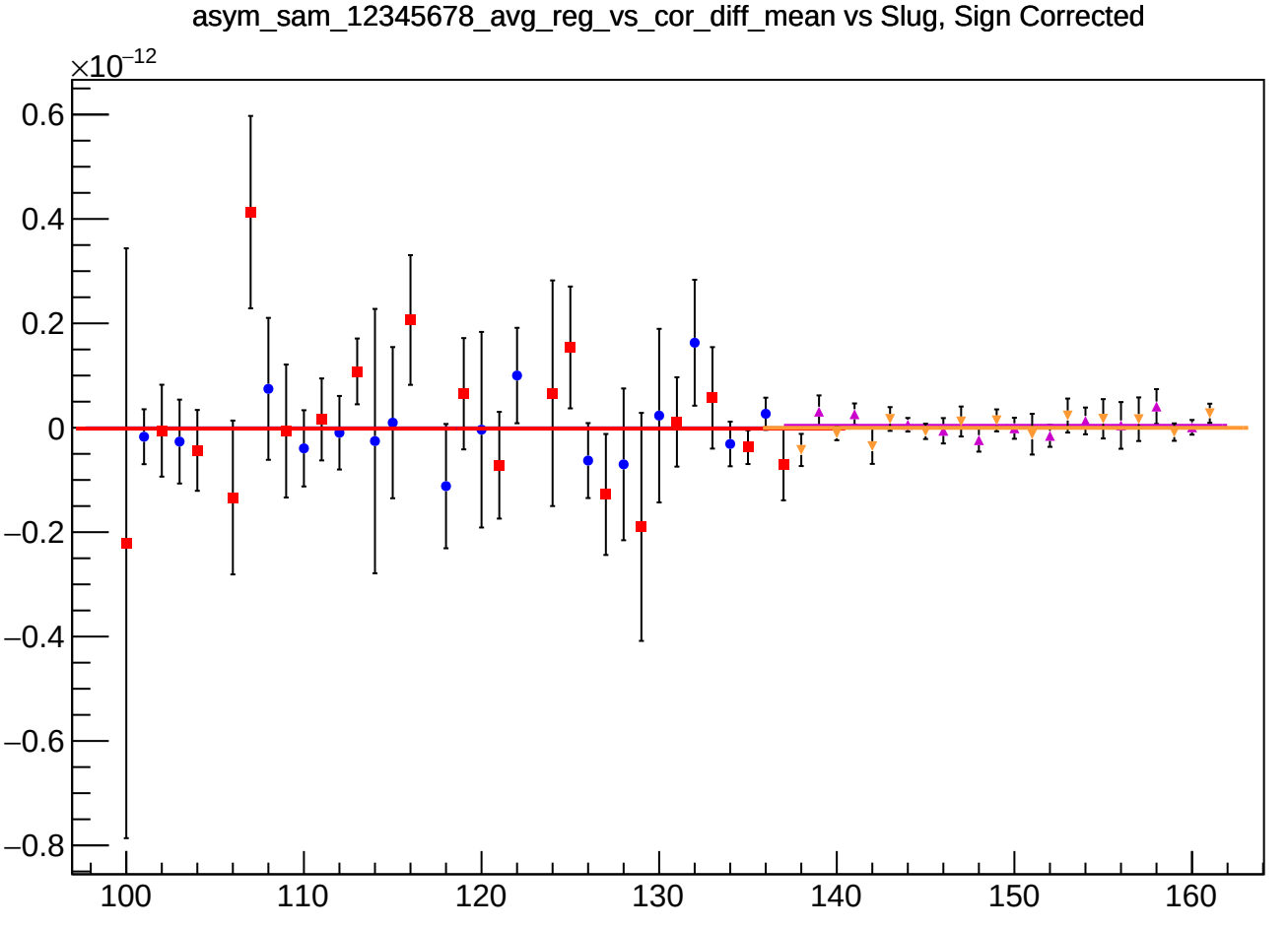
Left: 567.283+/-0.092 χ^2/NDF: 1344888.3/23

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 641.067+/-0.116 χ^2/NDF:2769394.9/26

Out: 650.656+/-0.114 χ^2/NDF:2943688.8/31

All: 645.940+/-0.081 χ^2/NDF: 5716550.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/10

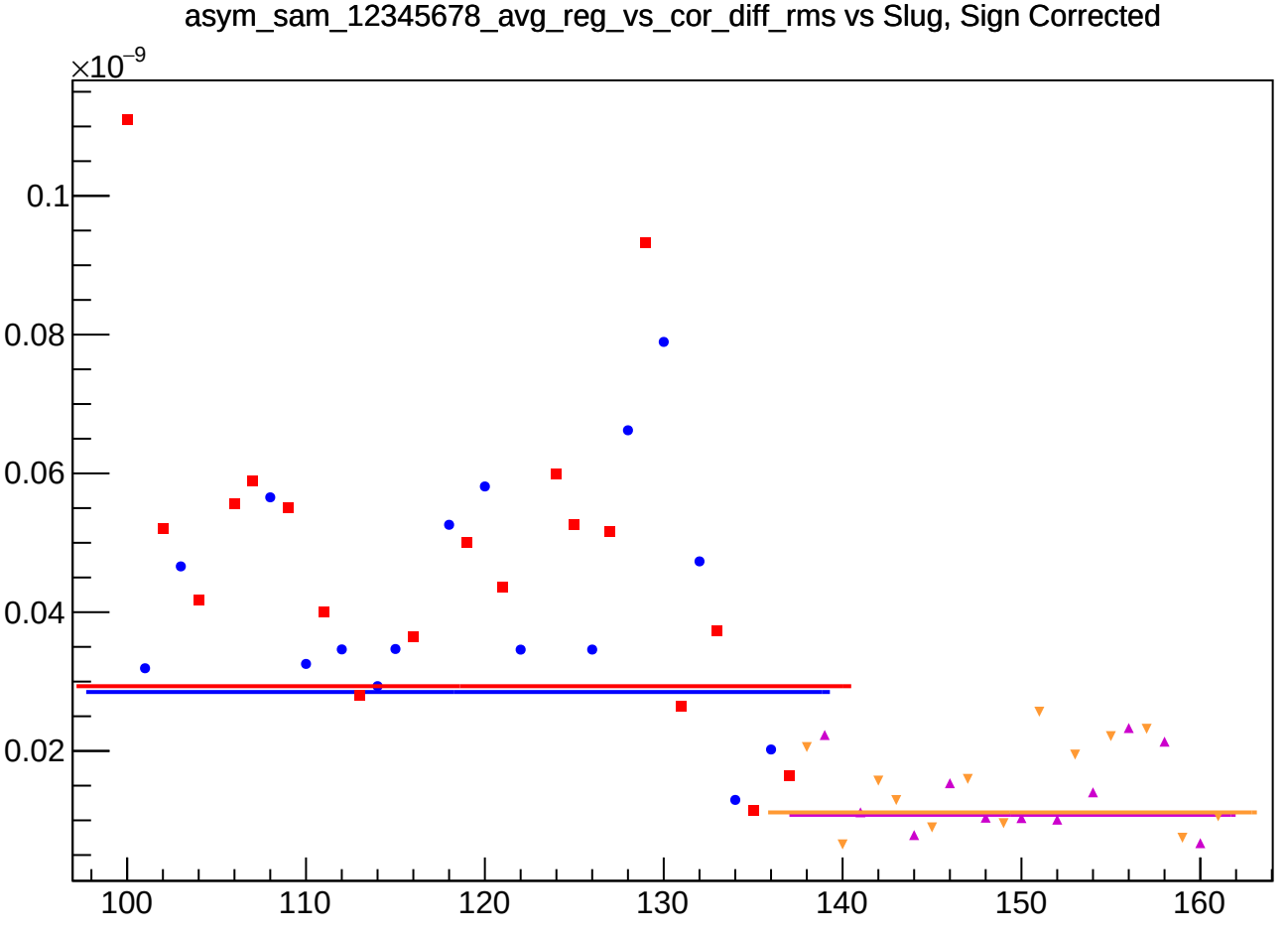
Left: 0.000+/-0.000 χ^2/NDF: 14.7/23

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.1/26

Out: -0.000+/-0.000 χ^2/NDF:28.0/31

All: 0.000+/-0.000 χ^2/NDF: 41.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1437022.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1004452.4/10

Left: 0.000+/-0.000 χ^2/NDF: 2444664.2/23

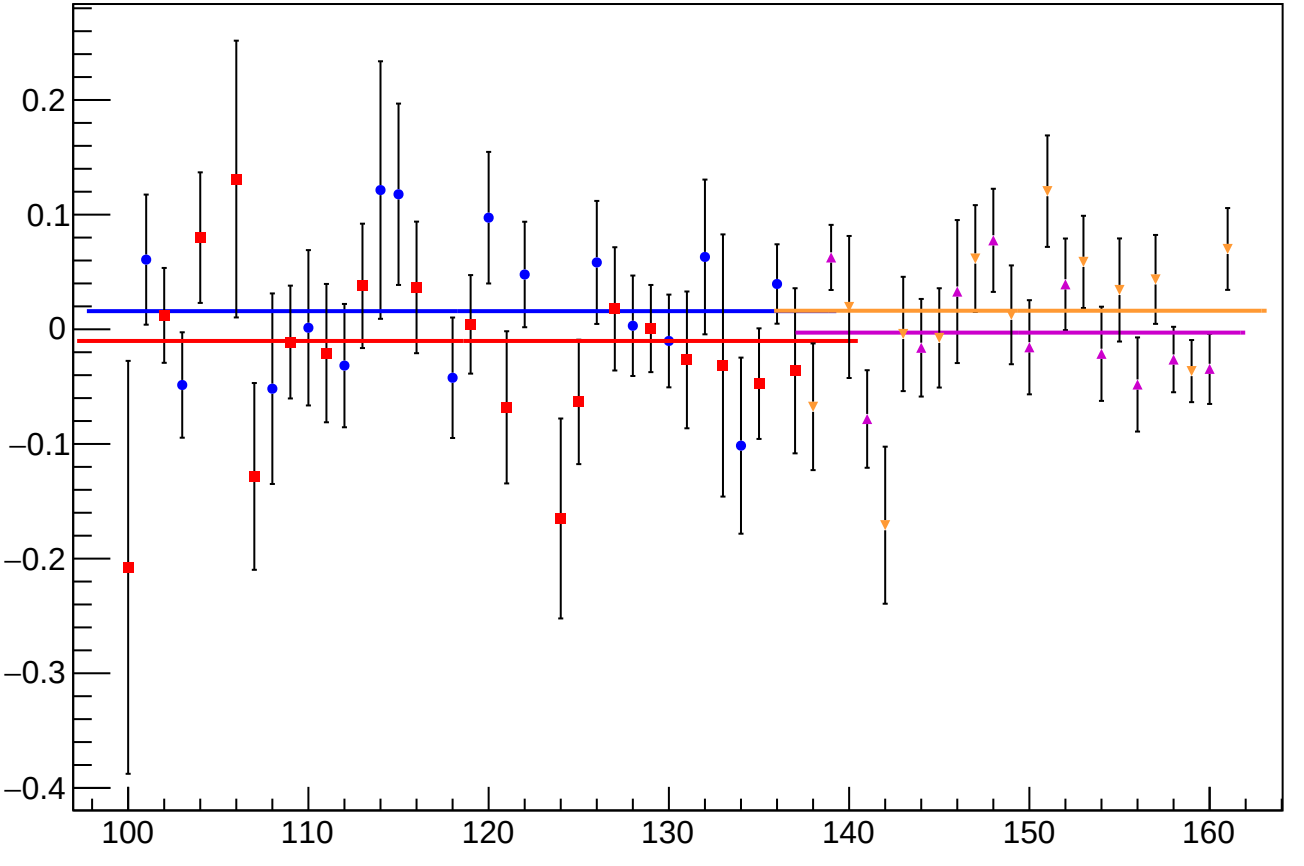
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3933526.8/26

Out: 0.000+/-0.000 χ^2/NDF:4706626.2/31

All: 0.000+/-0.000 χ^2/NDF: 8640179.2/58

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: 0.016+/-0.012 χ^2/NDF:23.6/12

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.006+/-0.008 χ^2/NDF: 41.4/23

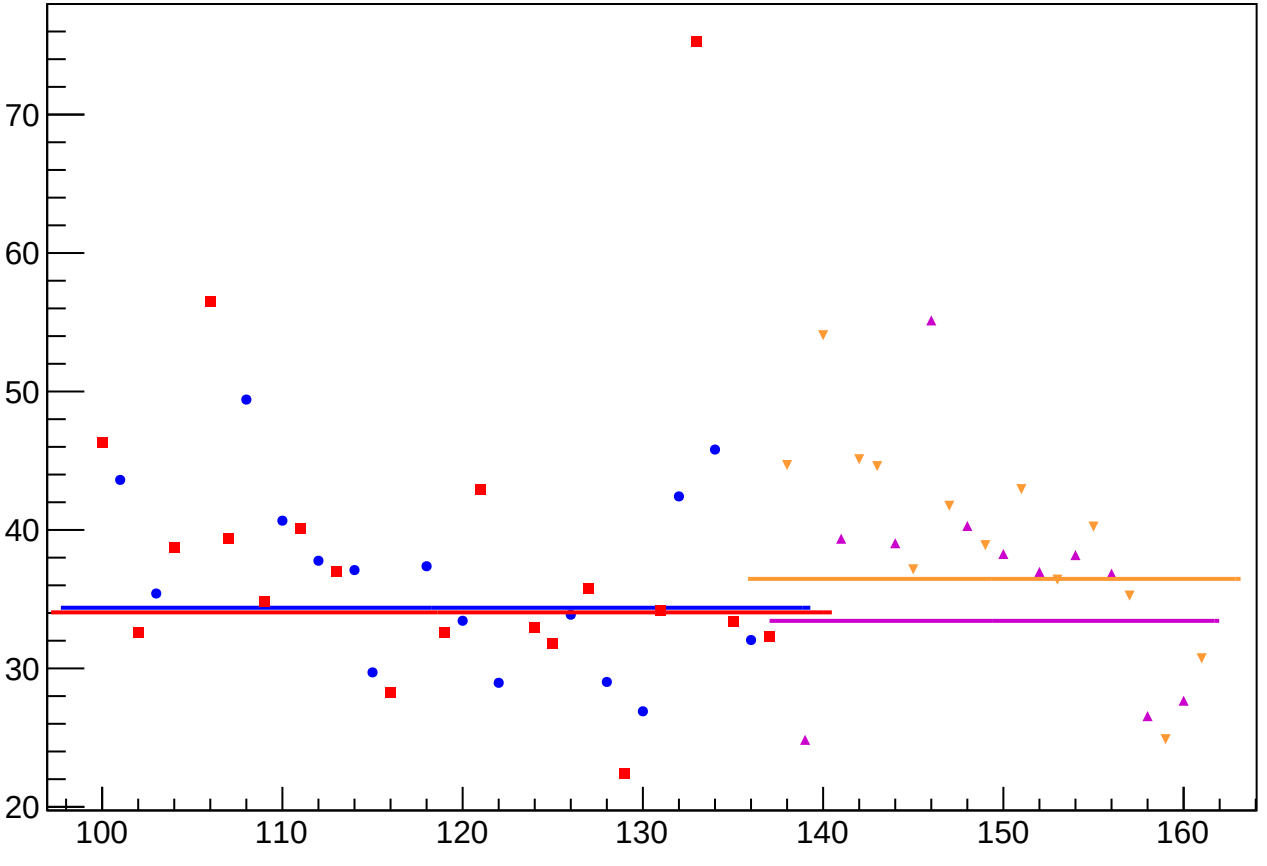
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.004+/-0.009 χ^2/NDF:41.0/31

All: 0.005+/-0.006 χ^2/NDF: 73.3/58

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.465+/-0.008 χ^2/NDF:792165.4/12

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.435+/-0.008 χ^2/NDF:816412.0/10

Left: 34.878+/-0.006 χ^2/NDF: 1676748.0/23

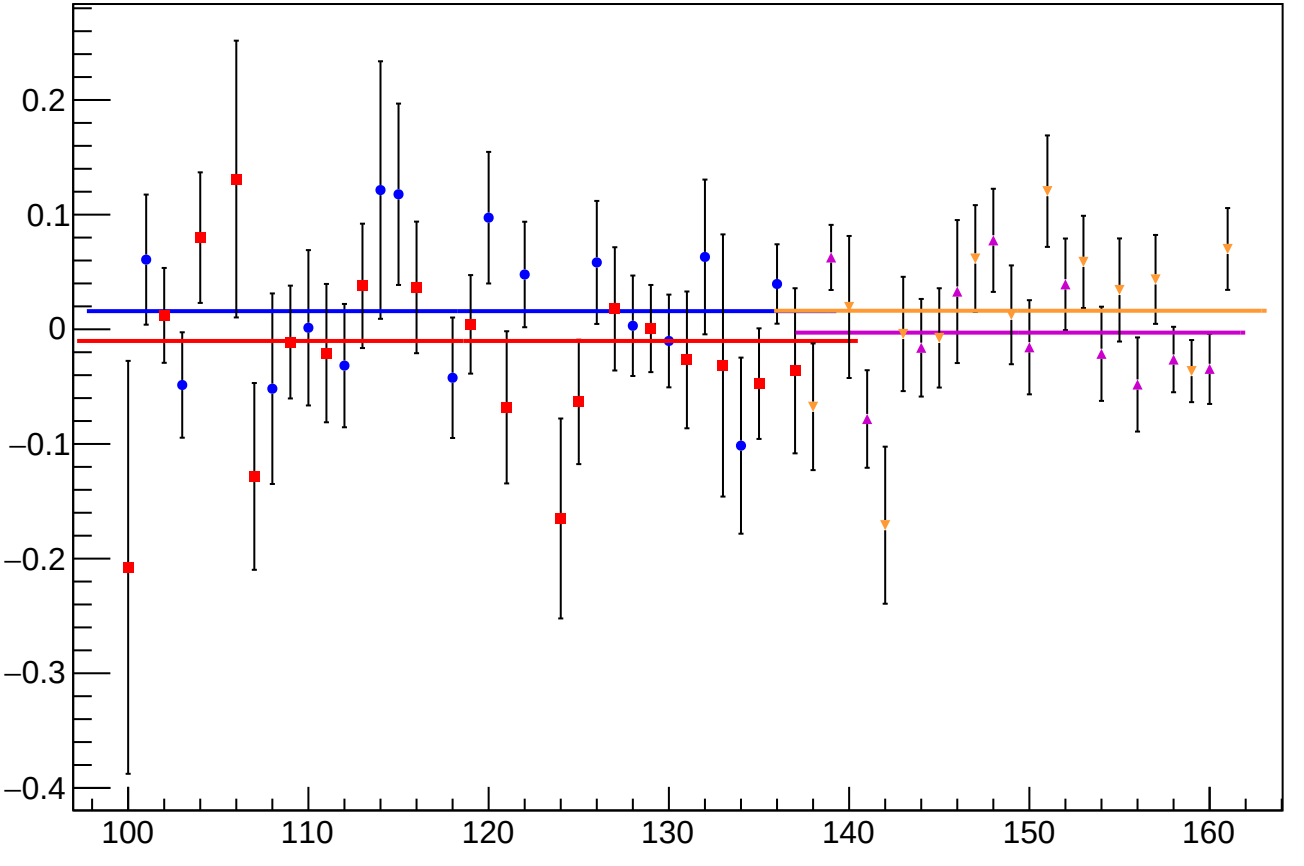
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.830+/-0.006 χ^2/NDF:1190120.2/26

Out: 35.384+/-0.006 χ^2/NDF:1471917.8/31

All: 34.590+/-0.004 χ^2/NDF: 2693654.8/58

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: 0.016+/-0.012 χ^2/NDF:23.6/12

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.006+/-0.008 χ^2/NDF: 41.4/23

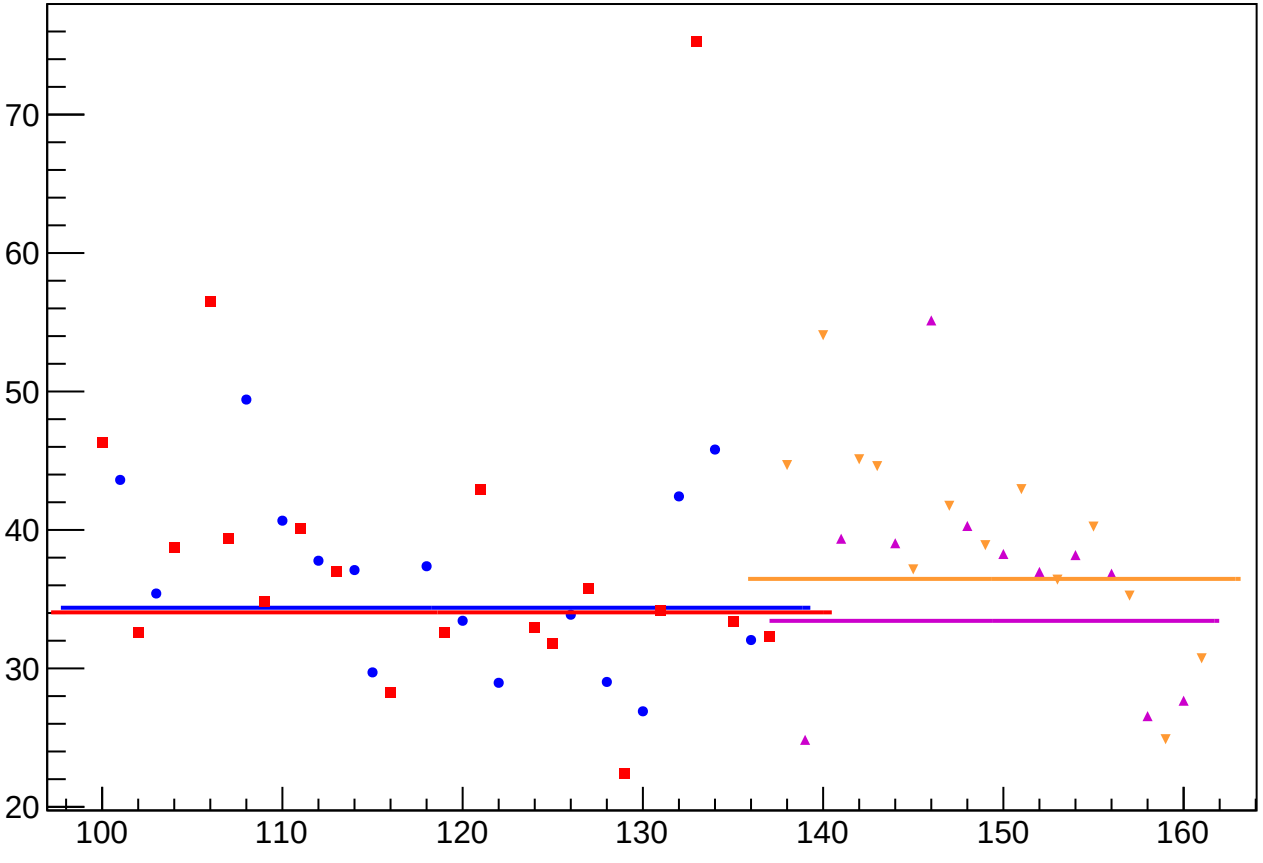
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.004+/-0.009 χ^2/NDF:41.0/31

All: 0.005+/-0.006 χ^2/NDF: 73.3/58

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.465+/-0.008 χ^2/NDF:792165.4/12

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.435+/-0.008 χ^2/NDF:816412.0/10

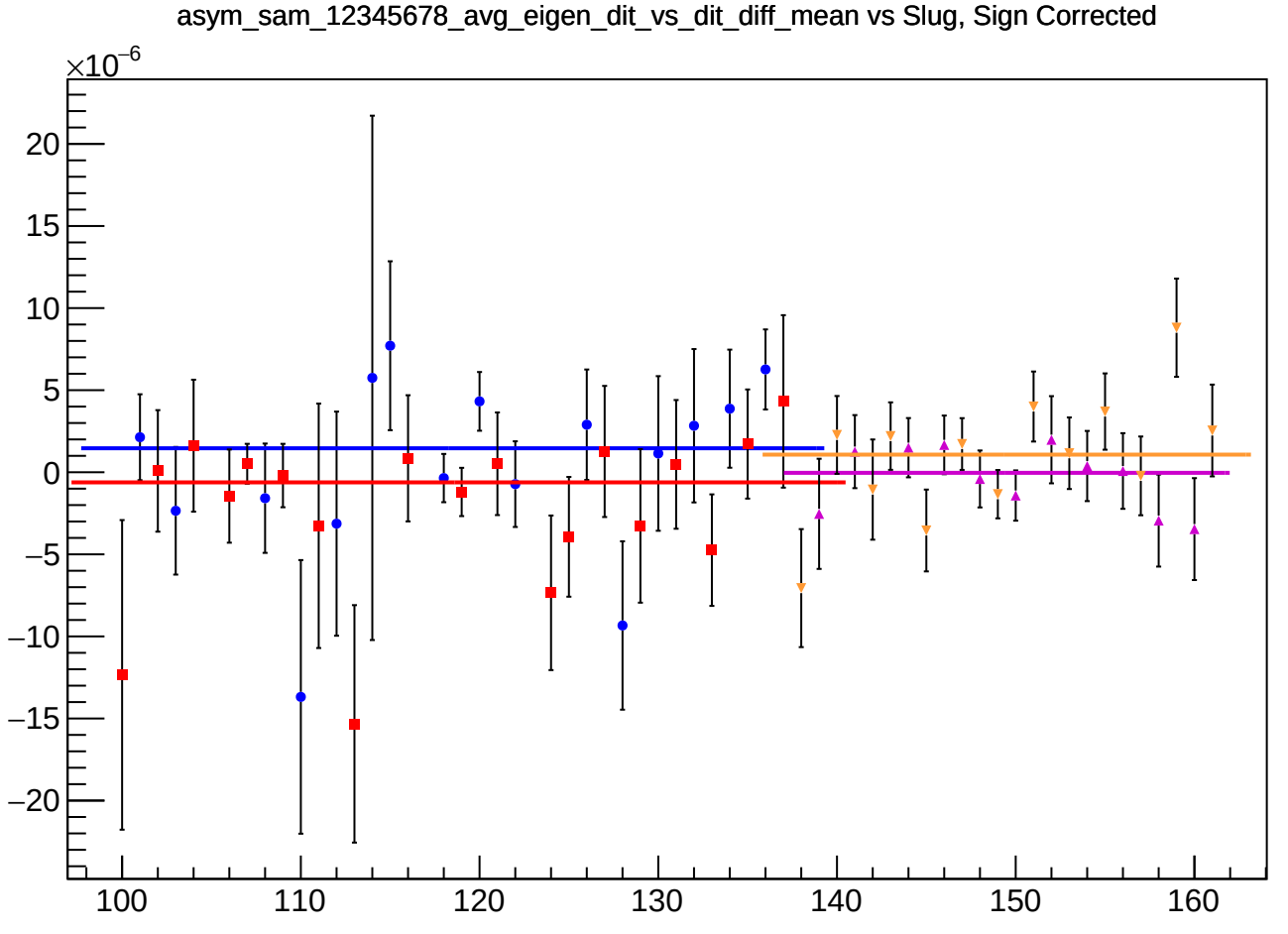
Left: 34.878+/-0.006 χ^2/NDF: 1676748.0/23

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.830+/-0.006 χ^2/NDF:1190120.2/26

Out: 35.384+/-0.006 χ^2/NDF:1471917.8/31

All: 34.590+/-0.004 χ^2/NDF: 2693654.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/10

Left: 0.000+/-0.000 χ^2/NDF: 30.7/23

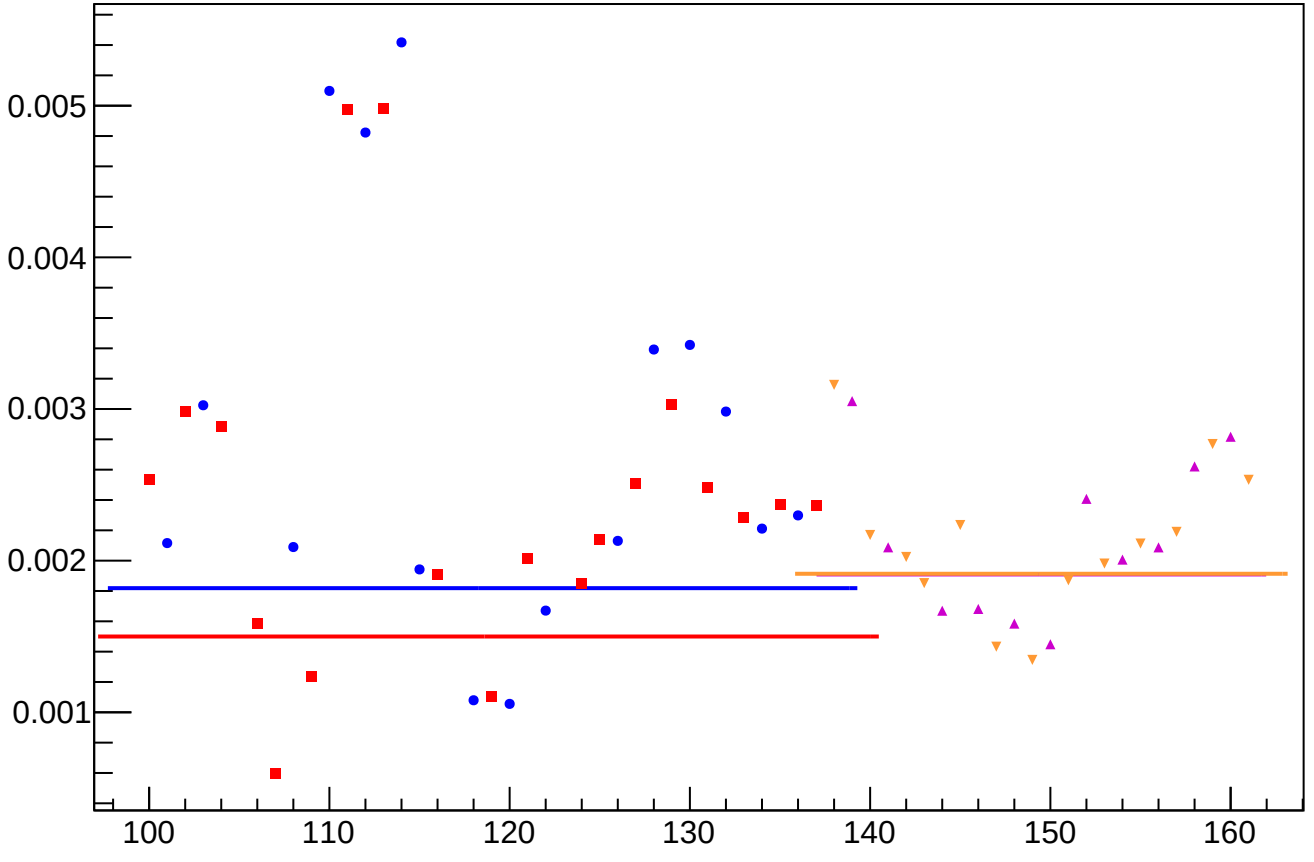
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.6/26

Out: 0.000+/-0.000 χ^2/NDF:40.4/31

All: 0.000+/-0.000 χ^2/NDF: 70.2/58

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1090412.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:949749.4/10

Left: 0.002+/-0.000 χ^2/NDF: 2040213.5/23

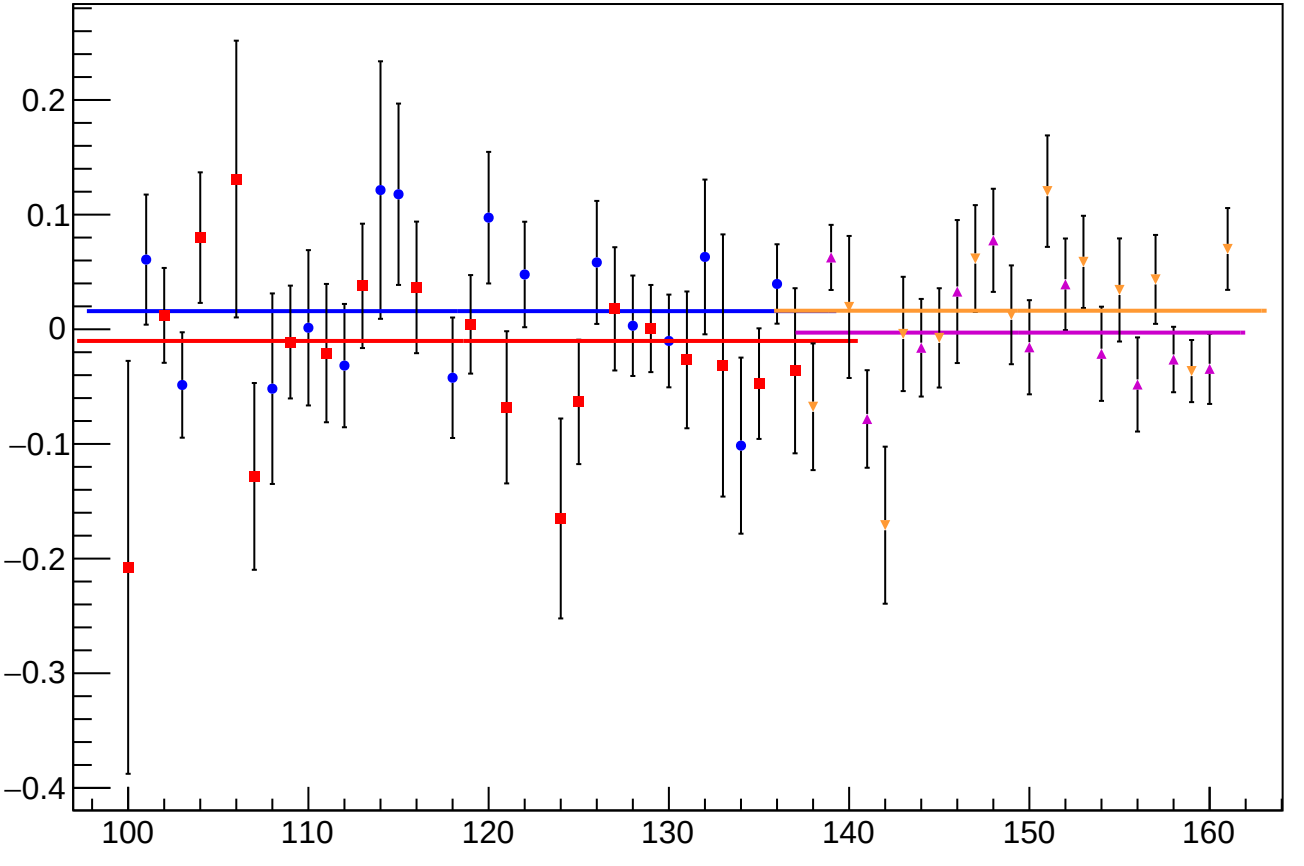
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3536743.2/26

Out: 0.002+/-0.000 χ^2/NDF:5210635.3/31

All: 0.002+/-0.000 χ^2/NDF: 8856164.1/58

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: 0.016+/-0.012 χ^2/NDF:23.6/12

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.006+/-0.008 χ^2/NDF: 41.4/23

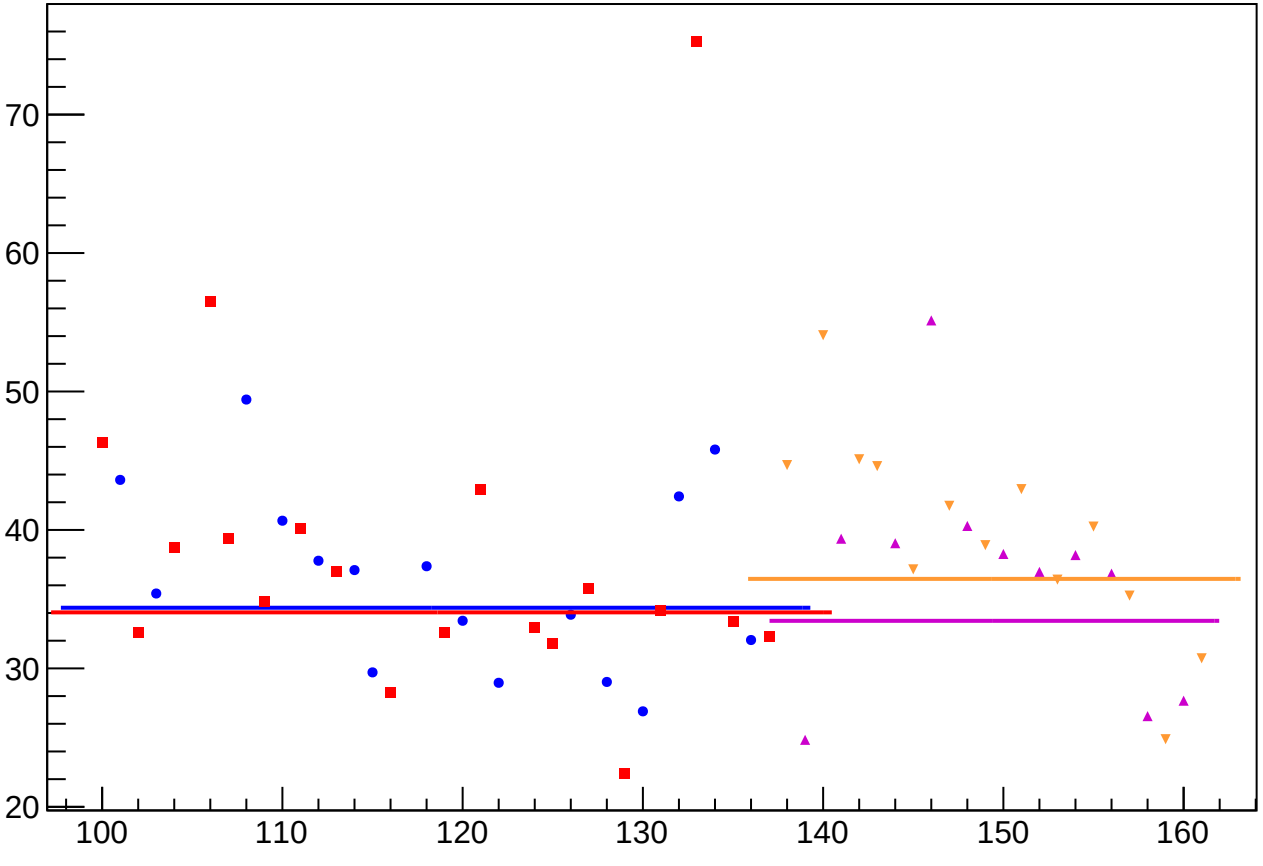
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.004+/-0.009 χ^2/NDF:41.0/31

All: 0.005+/-0.006 χ^2/NDF: 73.3/58

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: 36.466+/-0.008 χ^2/NDF:792233.6/12

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.435+/-0.008 χ^2/NDF:816475.0/10

Left: 34.878+/-0.006 χ^2/NDF: 1676879.5/23

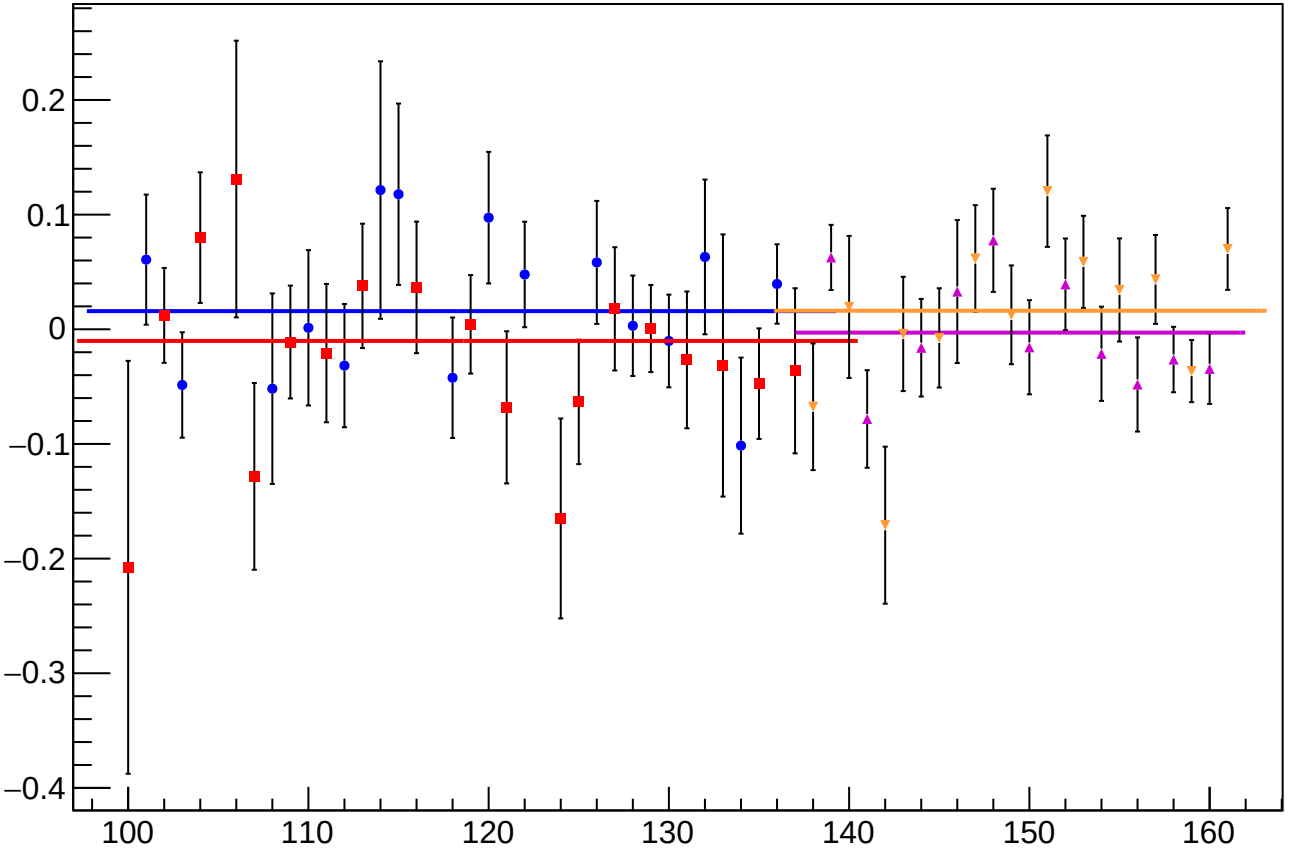
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.830+/-0.006 χ^2/NDF:1190229.1/26

Out: 35.384+/-0.006 χ^2/NDF:1472052.8/31

All: 34.590+/-0.004 χ^2/NDF: 2693901.0/58

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.012 χ^2/NDF:23.6/12

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.003+/-0.011 χ^2/NDF:16.5/10

Left: 0.006+/-0.008 χ^2/NDF: 41.4/23

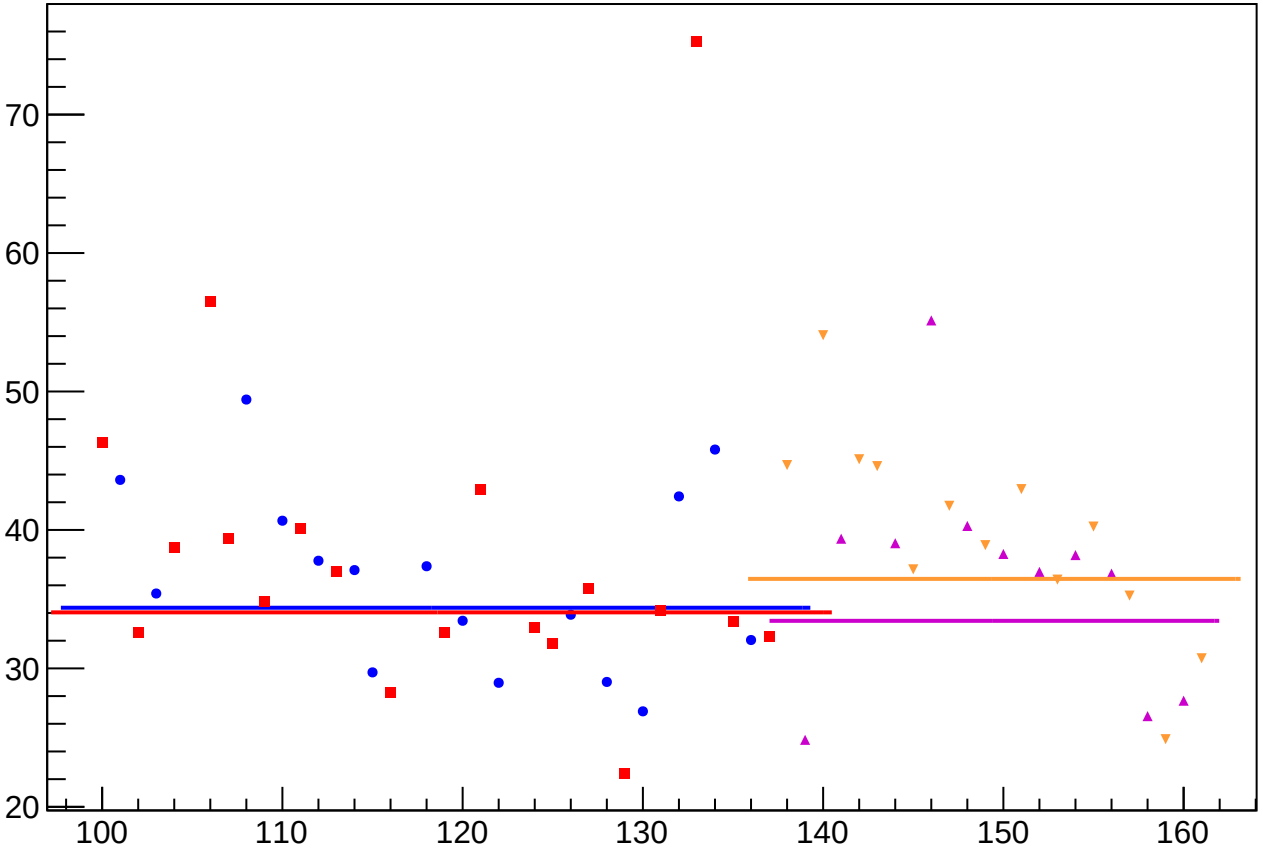
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/26

Out: 0.004+/-0.009 χ^2/NDF:41.0/31

All: 0.005+/-0.006 χ^2/NDF: 73.3/58

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.466+/-0.008 χ^2/NDF:792233.6/12

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.435+/-0.008 χ^2/NDF:816475.0/10

Left: 34.878+/-0.006 χ^2/NDF: 1676879.5/23

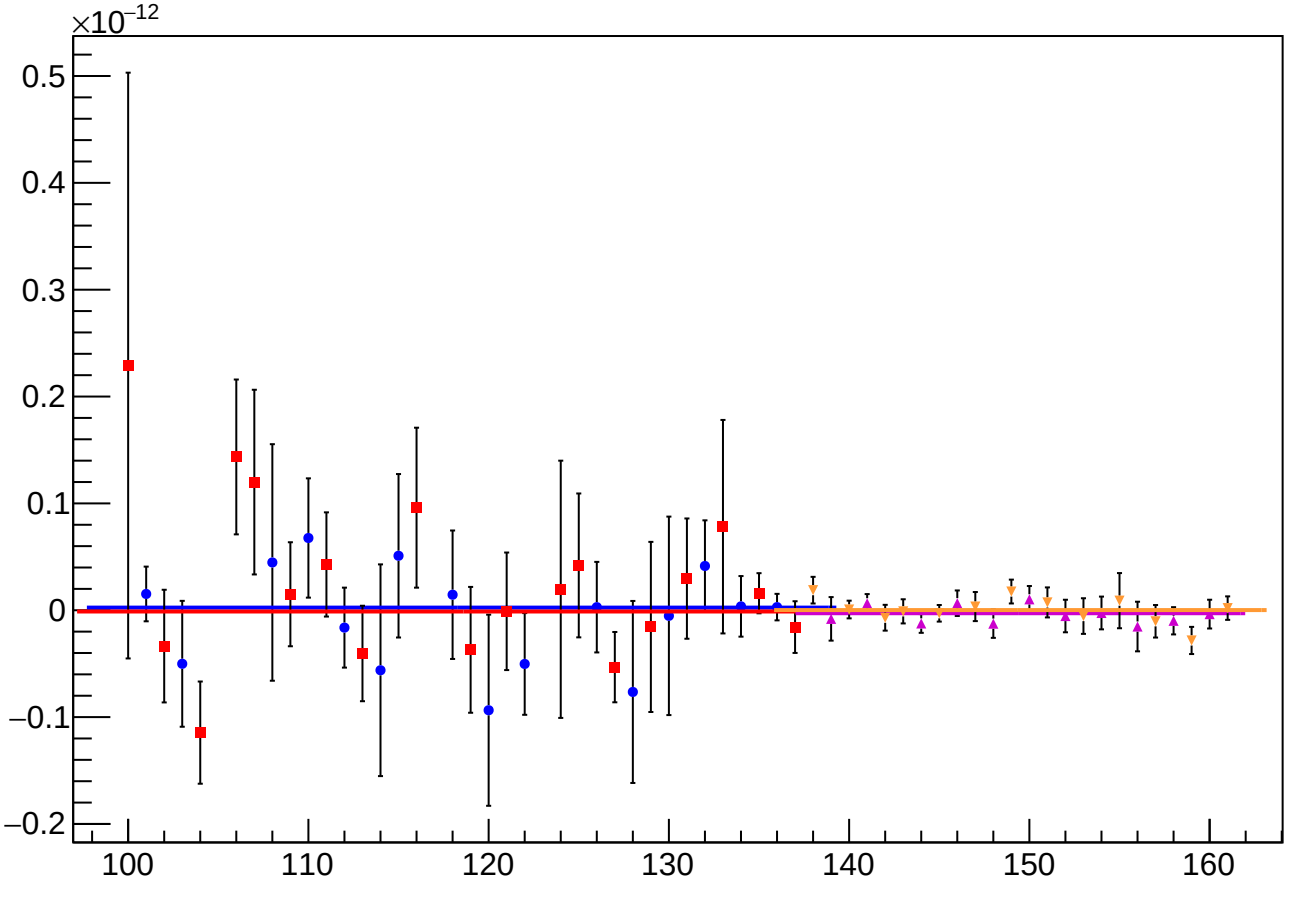
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.830+/-0.006 χ^2/NDF:1190229.1/26

Out: 35.384+/-0.006 χ^2/NDF:1472052.8/31

All: 34.590+/-0.004 χ^2/NDF: 2693901.0/58

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/10

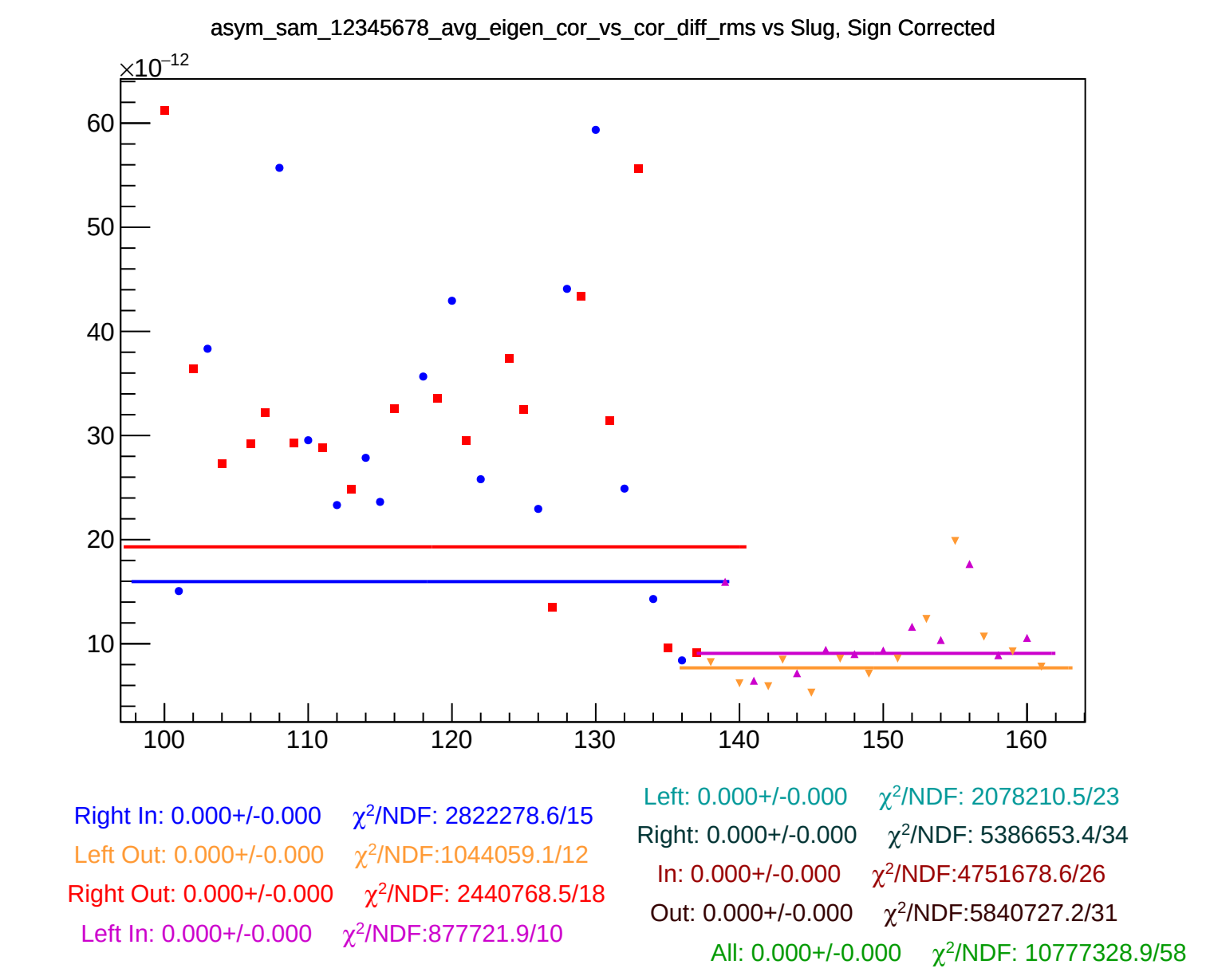
Left: -0.000+/-0.000 χ^2/NDF: 16.9/23

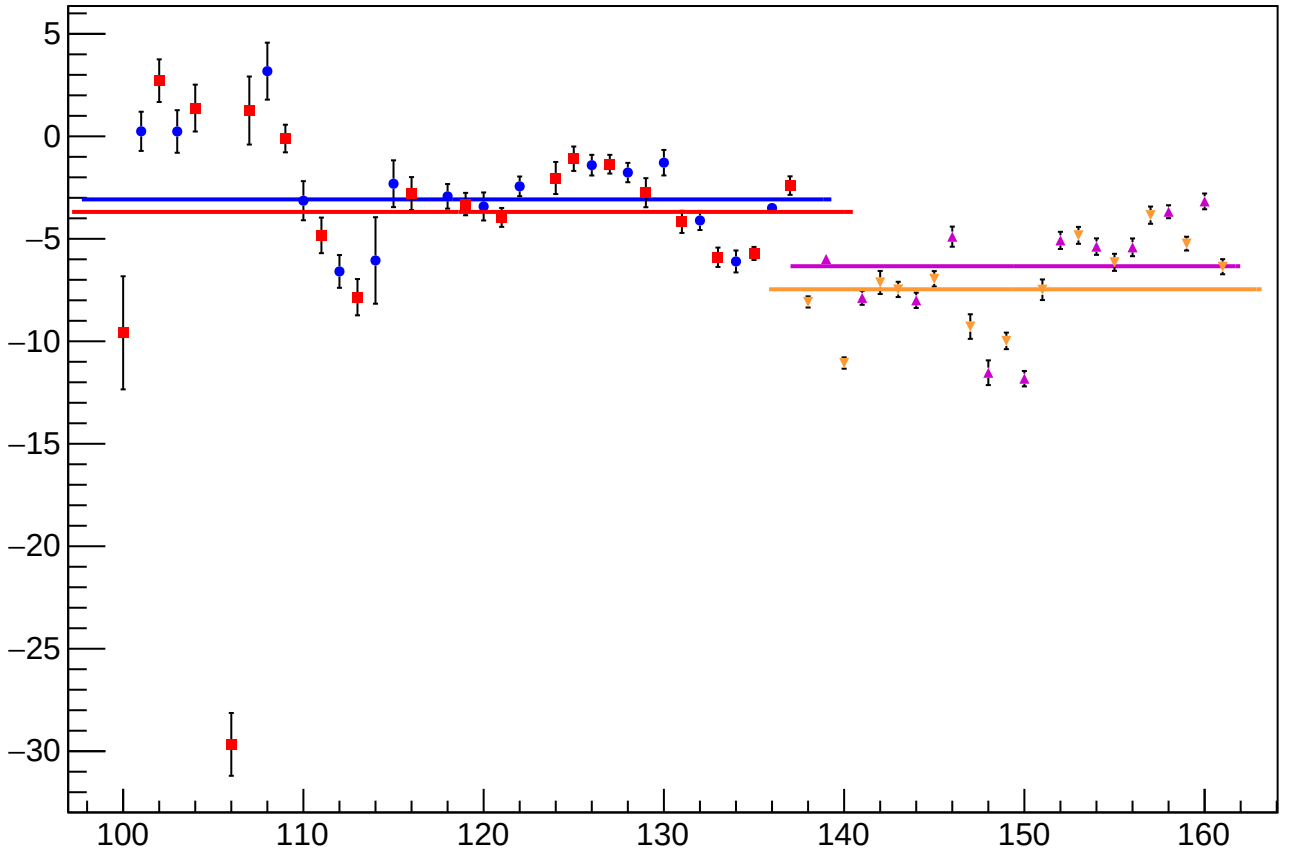
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:13.3/26

Out: 0.000+/-0.000 χ^2/NDF:32.7/31

All: -0.000+/-0.000 χ^2/NDF: 46.2/58


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1044059.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:877721.9/10
Left: 0.000+/-0.000 χ²/NDF: 2078210.5/23
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4751678.6/26
Out: 0.000+/-0.000 χ²/NDF:5840727.2/31
All: 0.000+/-0.000 χ²/NDF: 10777328.9/58



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.461+/-0.105 χ^2/NDF:400.2/12

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.337+/-0.111 χ^2/NDF:494.8/10

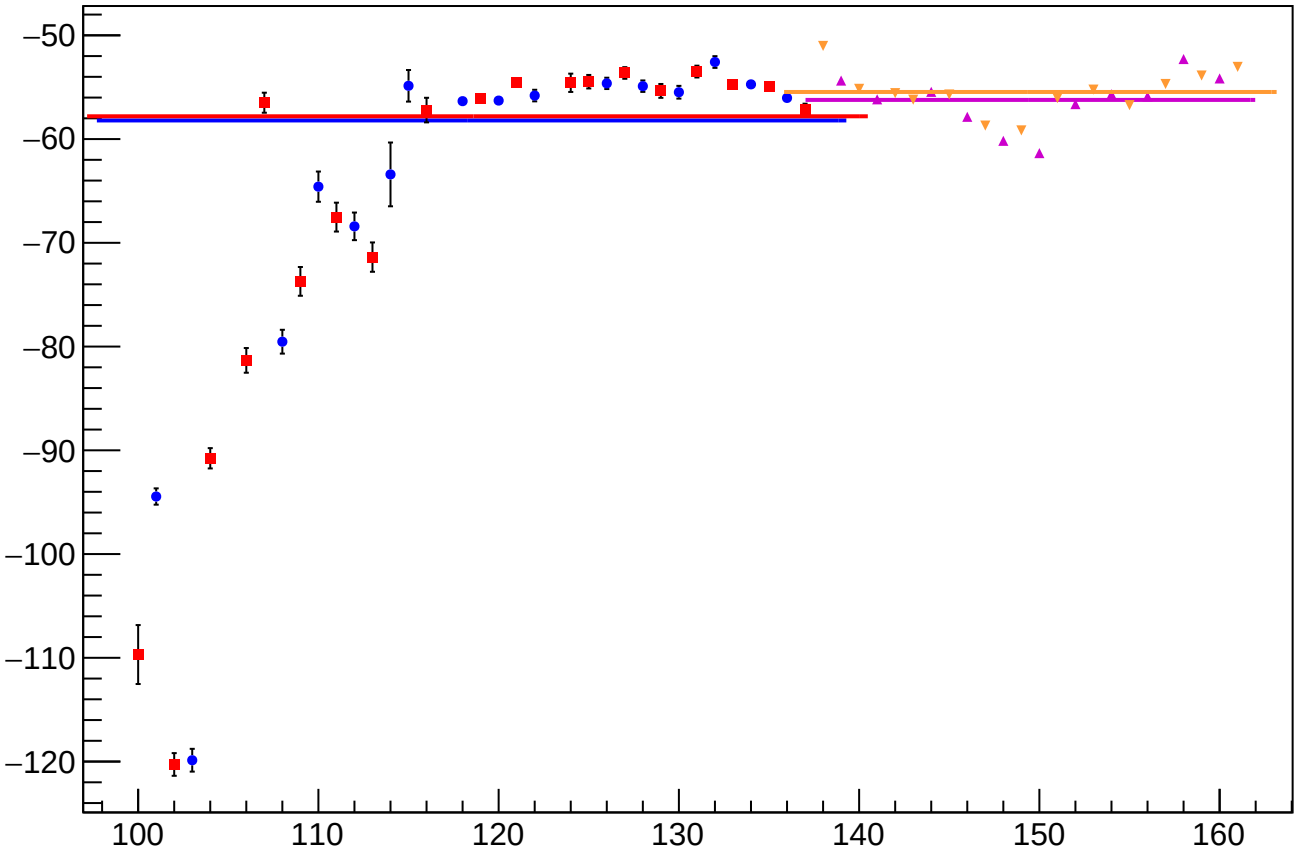
Left: -6.929+/-0.076 χ^2/NDF: 949.1/23

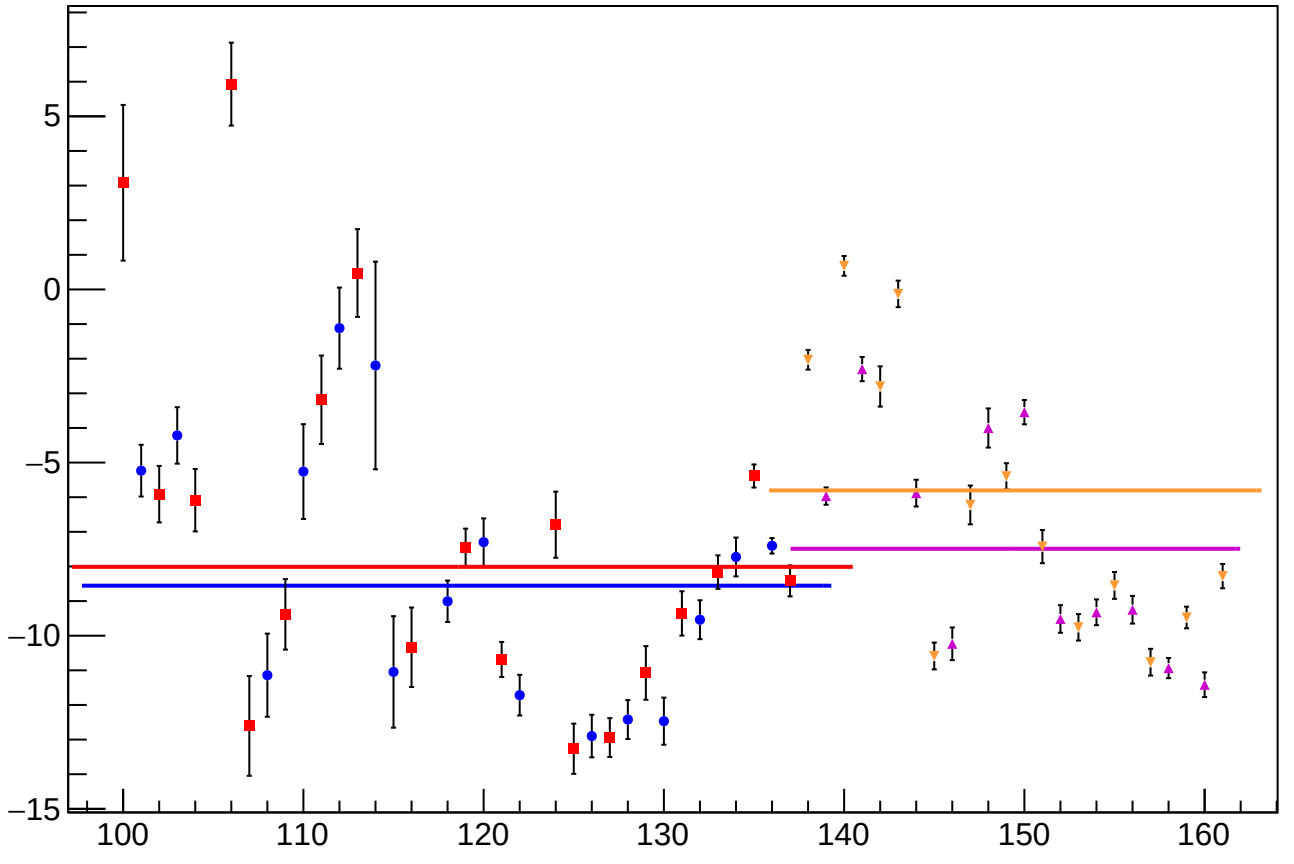
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.023+/-0.086 χ^2/NDF:975.6/26

Out: -6.100+/-0.084 χ^2/NDF:1398.4/31

All: -5.572+/-0.060 χ^2/NDF: 2454.3/58


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.460+/-0.077 χ²/NDF:718.9/12
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -56.225+/-0.083 χ²/NDF:1041.2/10
Left: -55.814+/-0.056 χ²/NDF: 1805.9/23
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -56.764+/-0.071 χ²/NDF:7323.3/26
Out: -56.012+/-0.067 χ²/NDF:6730.6/31
All: -56.369+/-0.049 χ²/NDF: 14113.3/58



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.804+/-0.103 χ^2/NDF:1614.0/12

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.489+/-0.108 χ^2/NDF:802.8/10

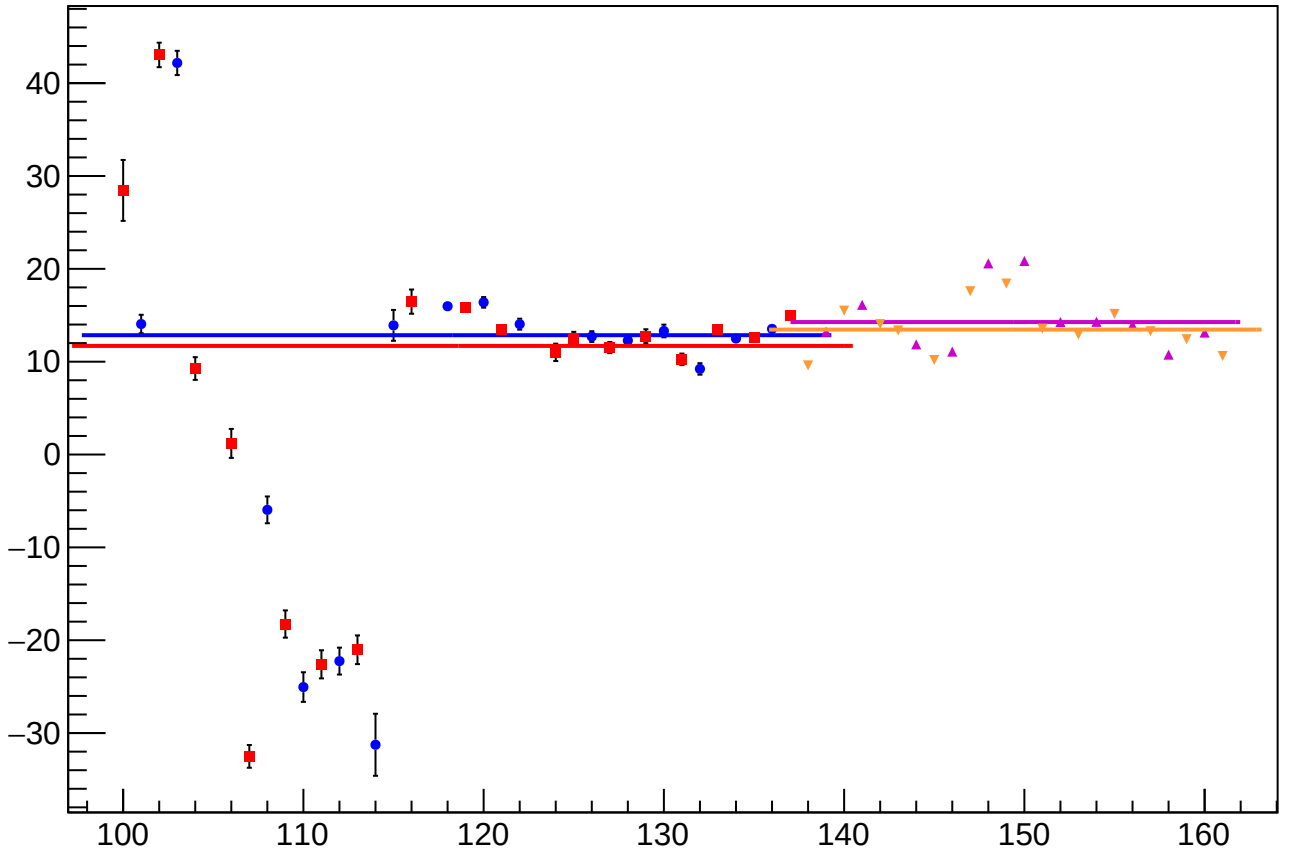
Left: -6.607+/-0.075 χ^2/NDF: 2544.5/23

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.870+/-0.087 χ^2/NDF:1138.4/26

Out: -6.493+/-0.085 χ^2/NDF:2246.7/31

All: -7.173+/-0.061 χ^2/NDF: 3513.4/58



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.457+/-0.089 χ^2/NDF:796.7/12

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 14.269+/-0.095 χ^2/NDF:1174.3/10

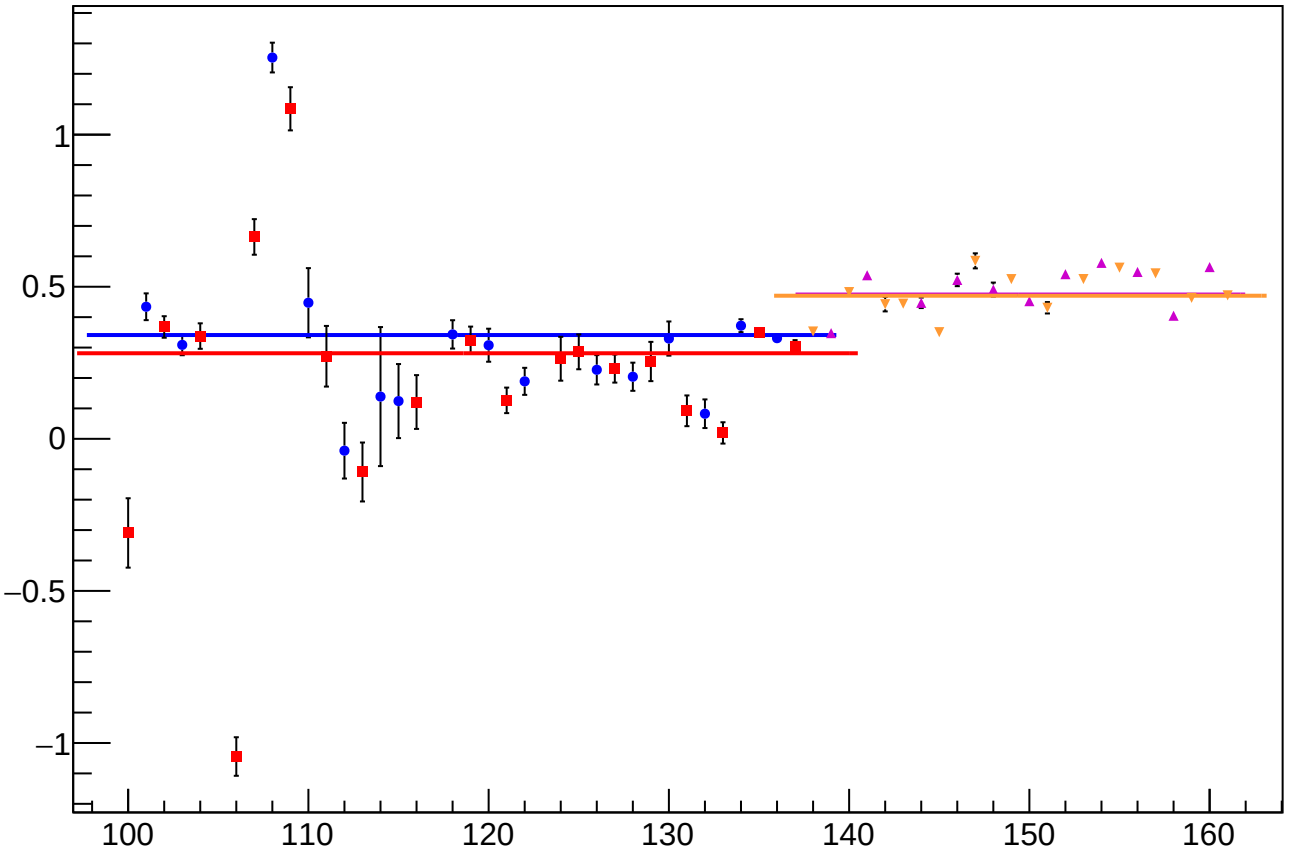
Left: 13.836+/-0.065 χ^2/NDF: 2010.3/23

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.868+/-0.080 χ^2/NDF:3366.3/26

Out: 13.025+/-0.077 χ^2/NDF:4392.4/31

All: 13.429+/-0.055 χ^2/NDF: 7816.4/58



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.470+/-0.004 χ^2/NDF:321.8/12

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.474+/-0.004 χ^2/NDF:455.1/10

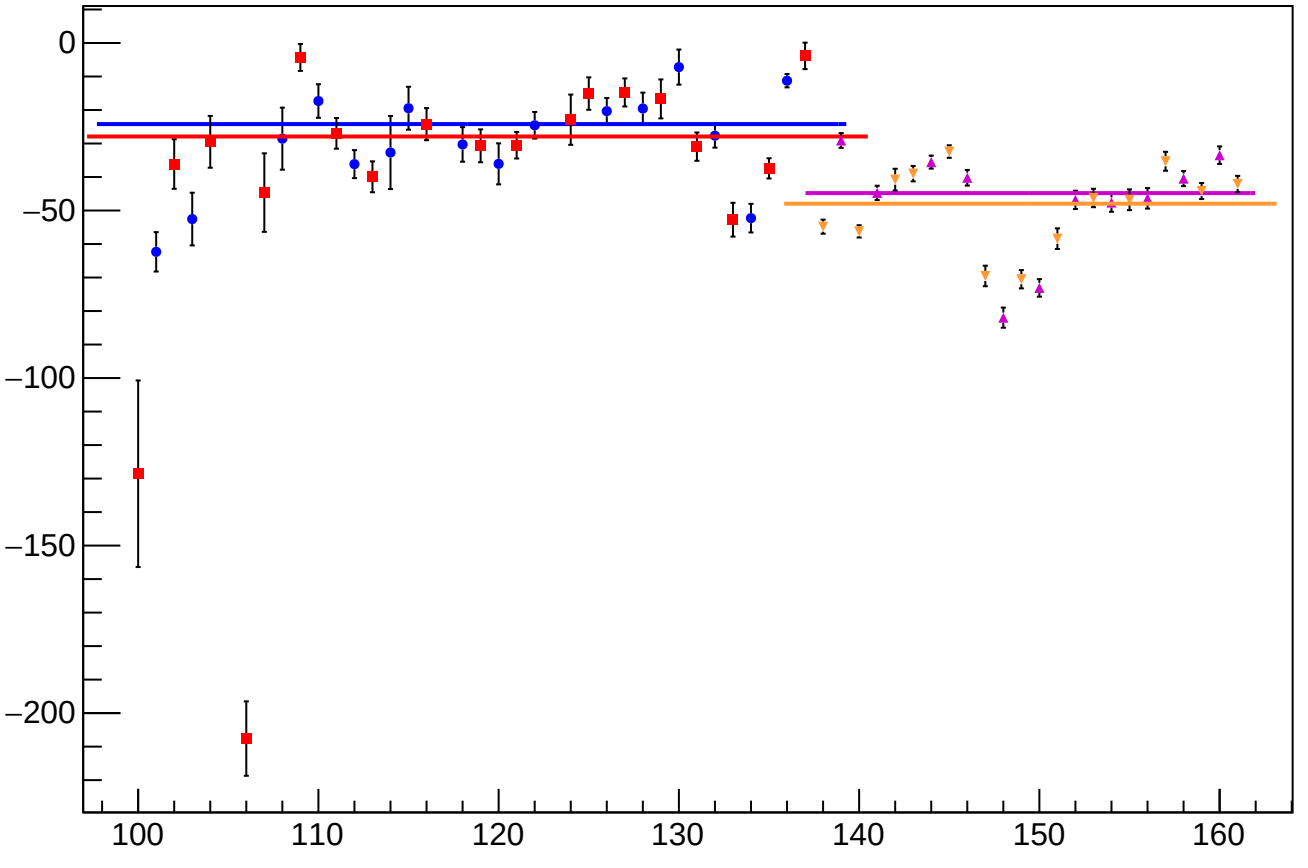
Left: 0.472+/-0.003 χ^2/NDF: 777.4/23

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.447+/-0.004 χ^2/NDF:1117.8/26

Out: 0.438+/-0.004 χ^2/NDF:1511.4/31

All: 0.442+/-0.003 χ^2/NDF: 2632.9/58



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.962+/-0.682 χ^2/NDF:278.1/12

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -44.801+/-0.736 χ^2/NDF:371.2/10

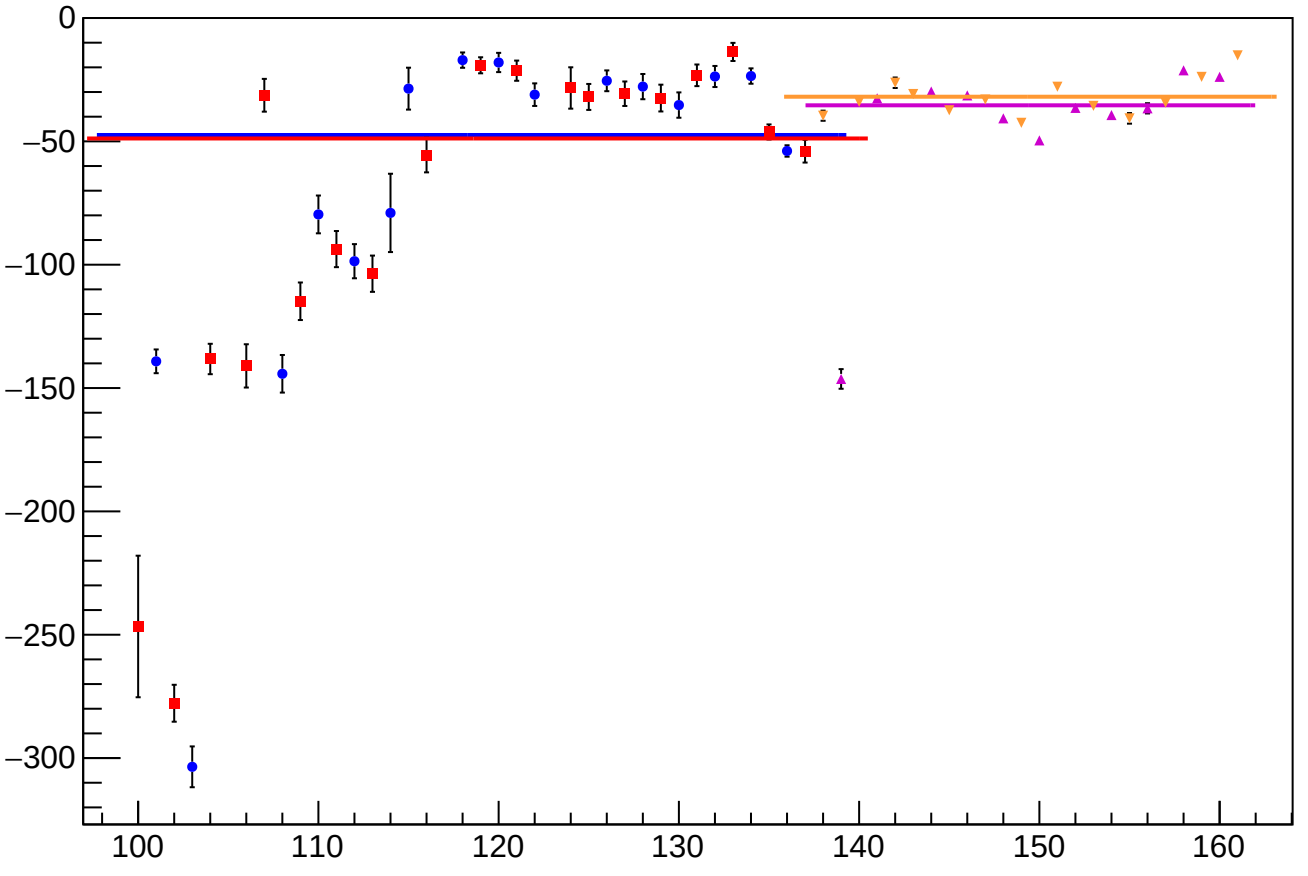
Left: -46.501+/-0.500 χ^2/NDF: 659.2/23

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.322+/-0.609 χ^2/NDF:788.3/26

Out: -42.651+/-0.585 χ^2/NDF:920.2/31

All: -40.574+/-0.422 χ^2/NDF: 1734.8/58



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -31.905+/-0.477 χ^2/NDF:236.8/12

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -35.389+/-0.507 χ^2/NDF:1017.4/10

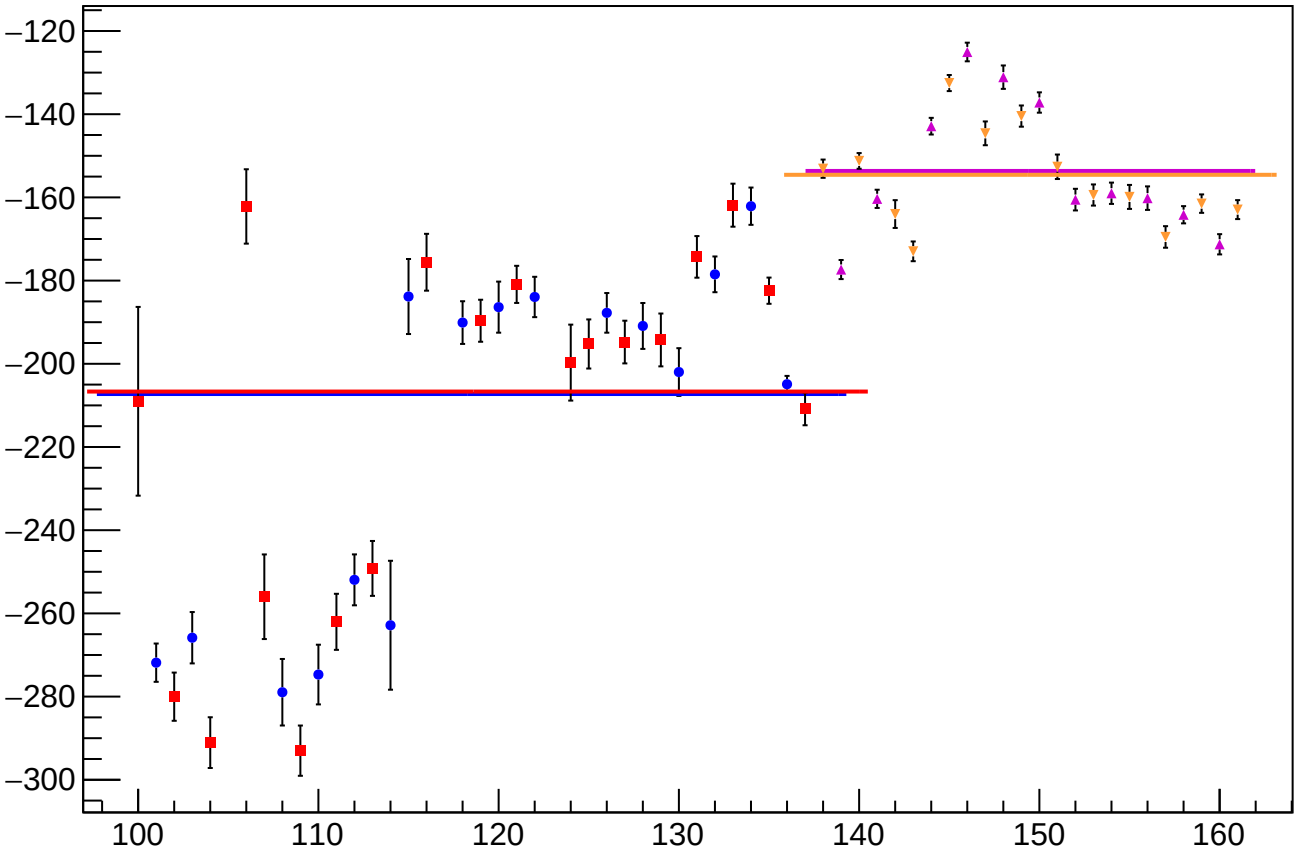
Left: -33.539+/-0.347 χ^2/NDF: 1279.2/23

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -37.496+/-0.461 χ^2/NDF:2989.4/26

Out: -34.272+/-0.442 χ^2/NDF:2187.7/31

All: -35.818+/-0.319 χ^2/NDF: 5202.5/58



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -154.569+/-0.669 χ^2/NDF:308.5/12

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -153.644+/-0.713 χ^2/NDF:512.1/10

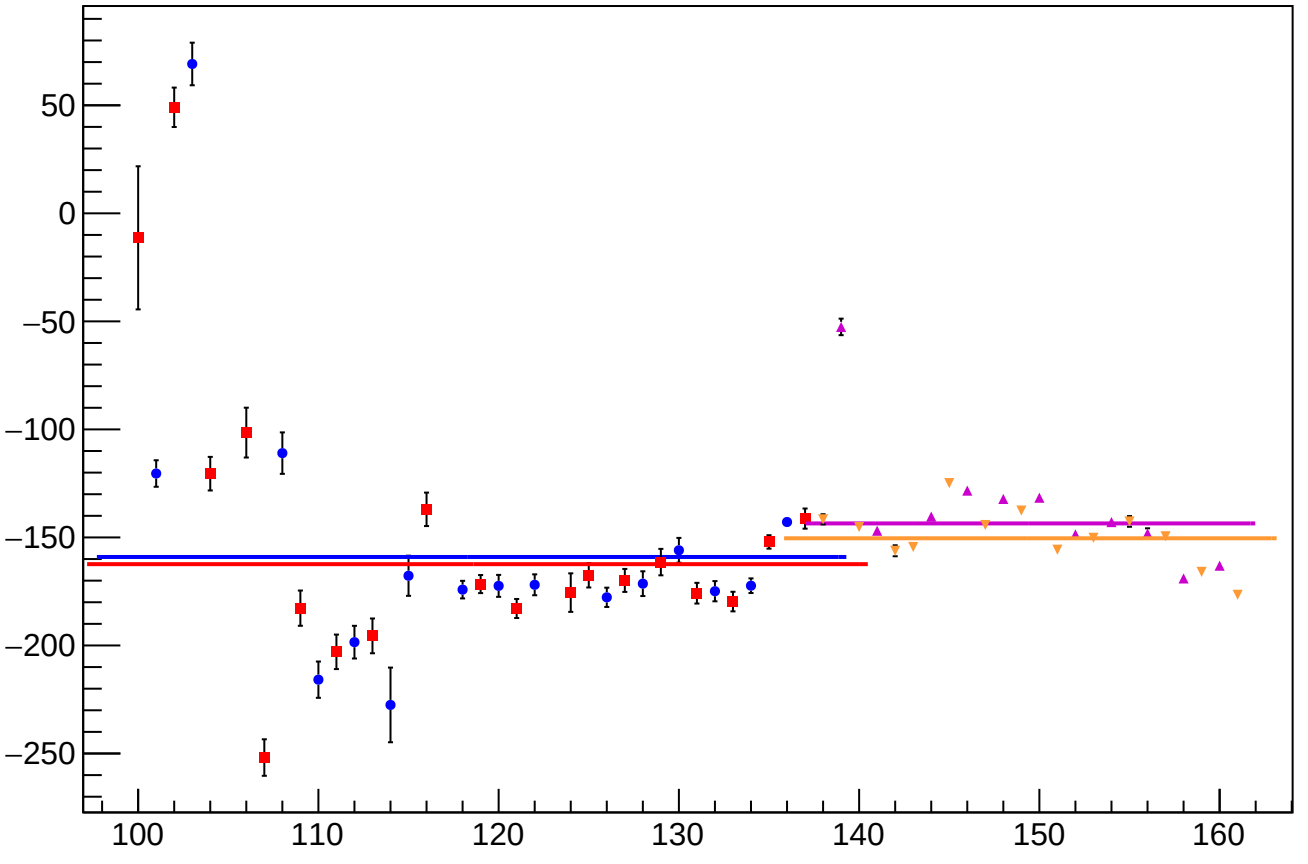
Left: -154.136+/-0.488 χ^2/NDF: 821.5/23

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -168.014+/-0.610 χ^2/NDF:2776.5/26

Out: -165.755+/-0.593 χ^2/NDF:2580.3/31

All: -166.852+/-0.425 χ^2/NDF: 5363.8/58



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.393+/-0.559 χ^2/NDF:625.3/12

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -143.516+/-0.594 χ^2/NDF:1087.3/10

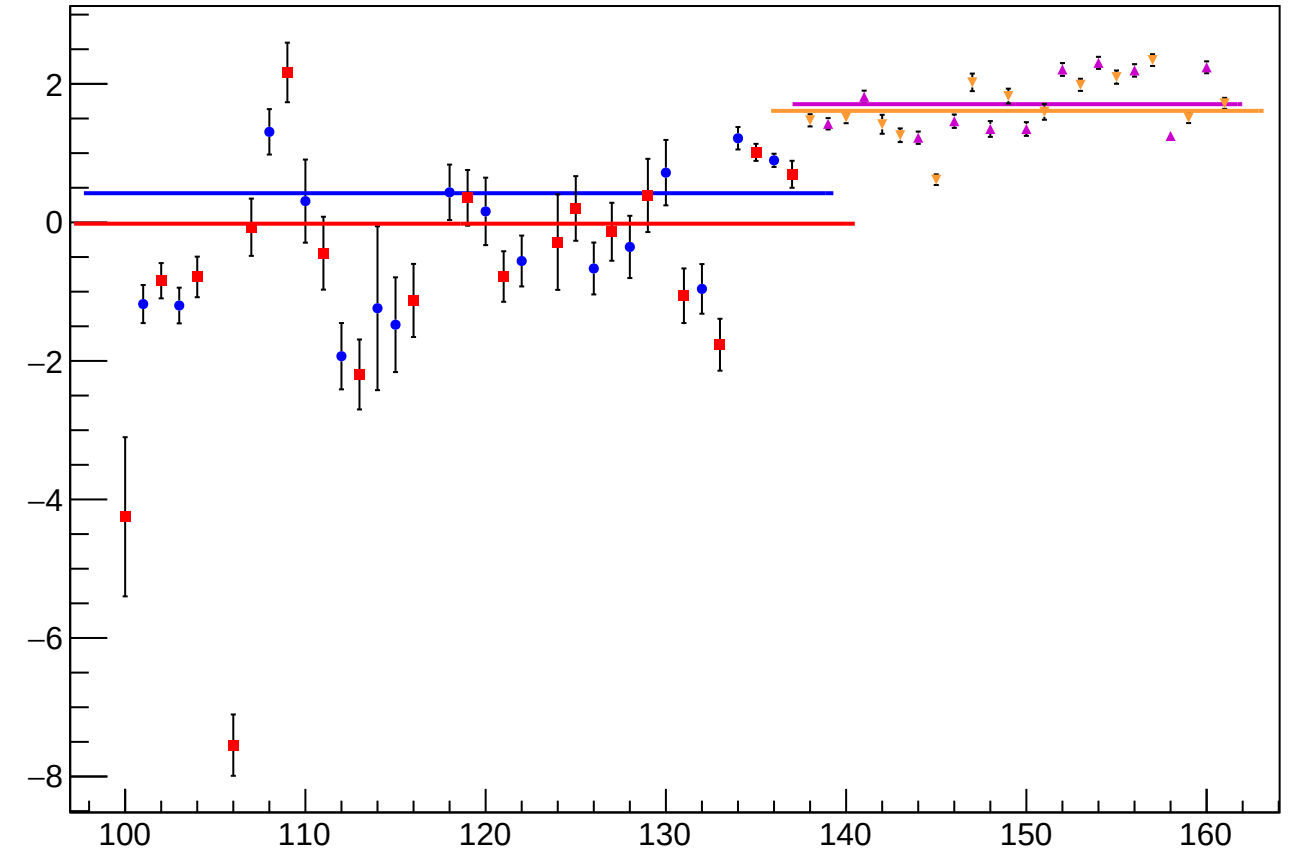
Left: -147.165+/-0.407 χ^2/NDF: 1783.6/23

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -146.473+/-0.535 χ^2/NDF:2033.1/26

Out: -152.204+/-0.515 χ^2/NDF:1567.3/31

All: -149.447+/-0.371 χ^2/NDF: 3660.0/58



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.610+/-0.026 χ^2/NDF:322.9/12

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.707+/-0.027 χ^2/NDF:256.3/10

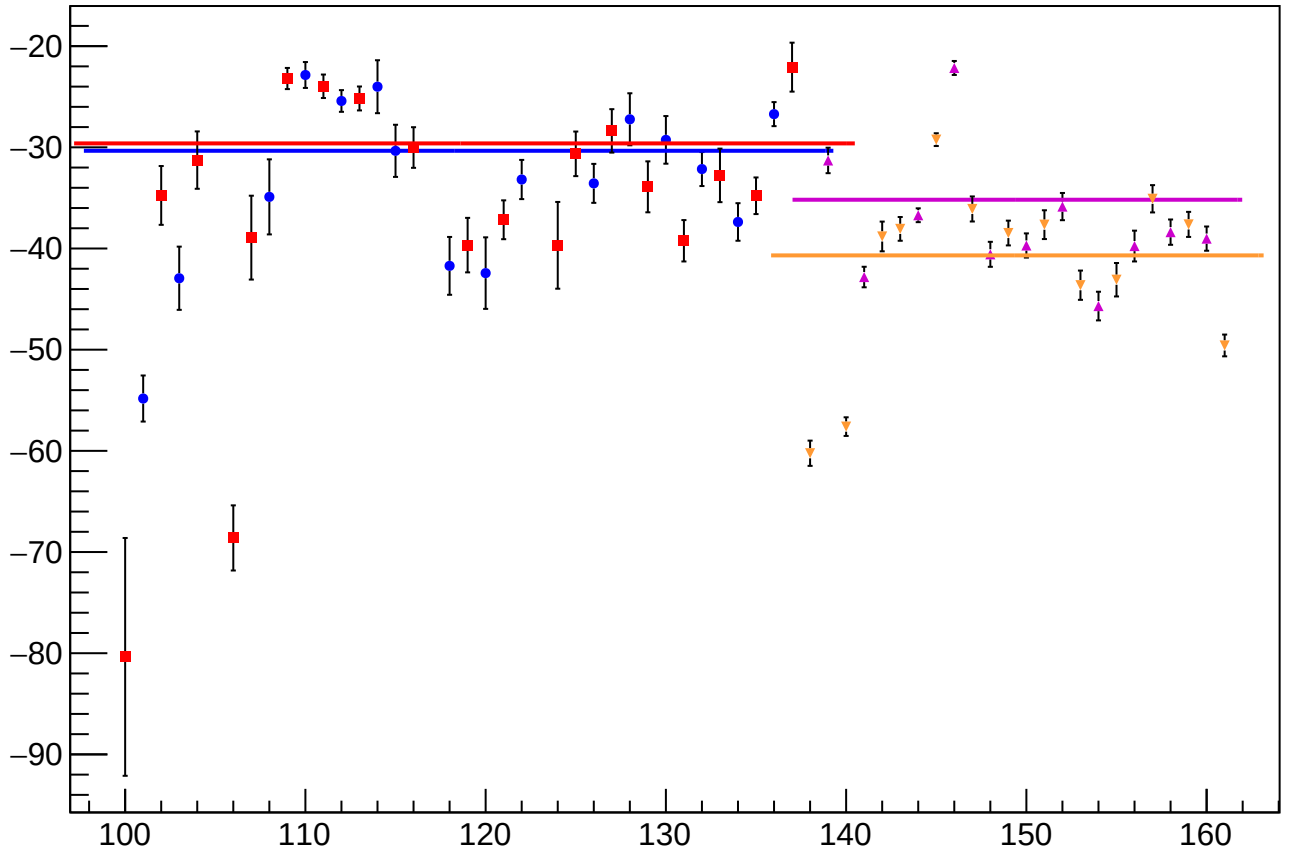
Left: 1.656+/-0.019 χ^2/NDF: 586.0/23

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.518+/-0.025 χ^2/NDF:789.4/26

Out: 1.429+/-0.024 χ^2/NDF:1262.2/31

All: 1.472+/-0.017 χ^2/NDF: 2058.2/58



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.681+/-0.313 χ^2/NDF:1037.6/12

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -35.180+/-0.316 χ^2/NDF:540.7/10

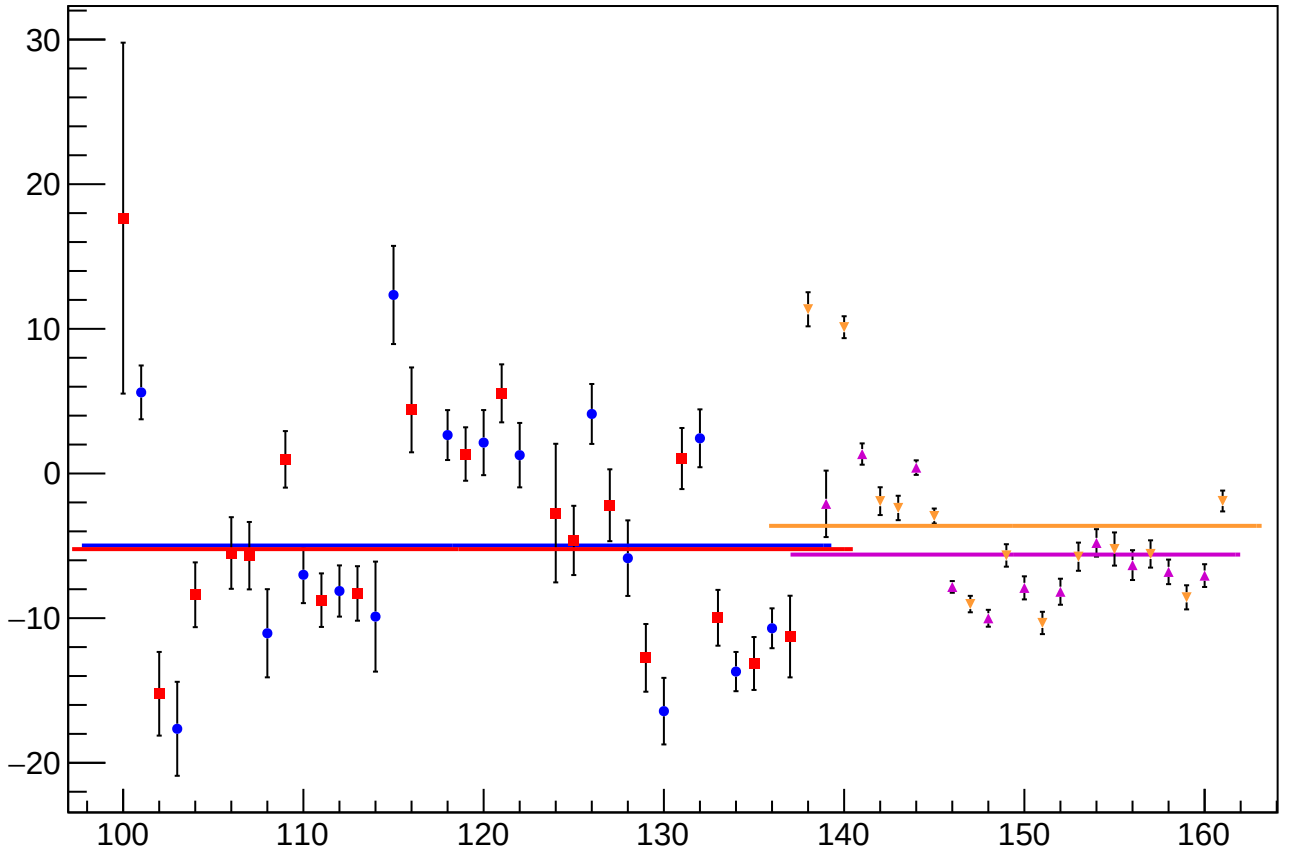
Left: -37.963+/-0.222 χ^2/NDF: 1731.4/23

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -33.663+/-0.262 χ^2/NDF:867.7/26

Out: -37.085+/-0.257 χ^2/NDF:1774.4/31

All: -35.408+/-0.183 χ^2/NDF: 2729.1/58



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.619+/-0.216 χ^2/NDF:722.8/12

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.605+/-0.209 χ^2/NDF:344.6/10

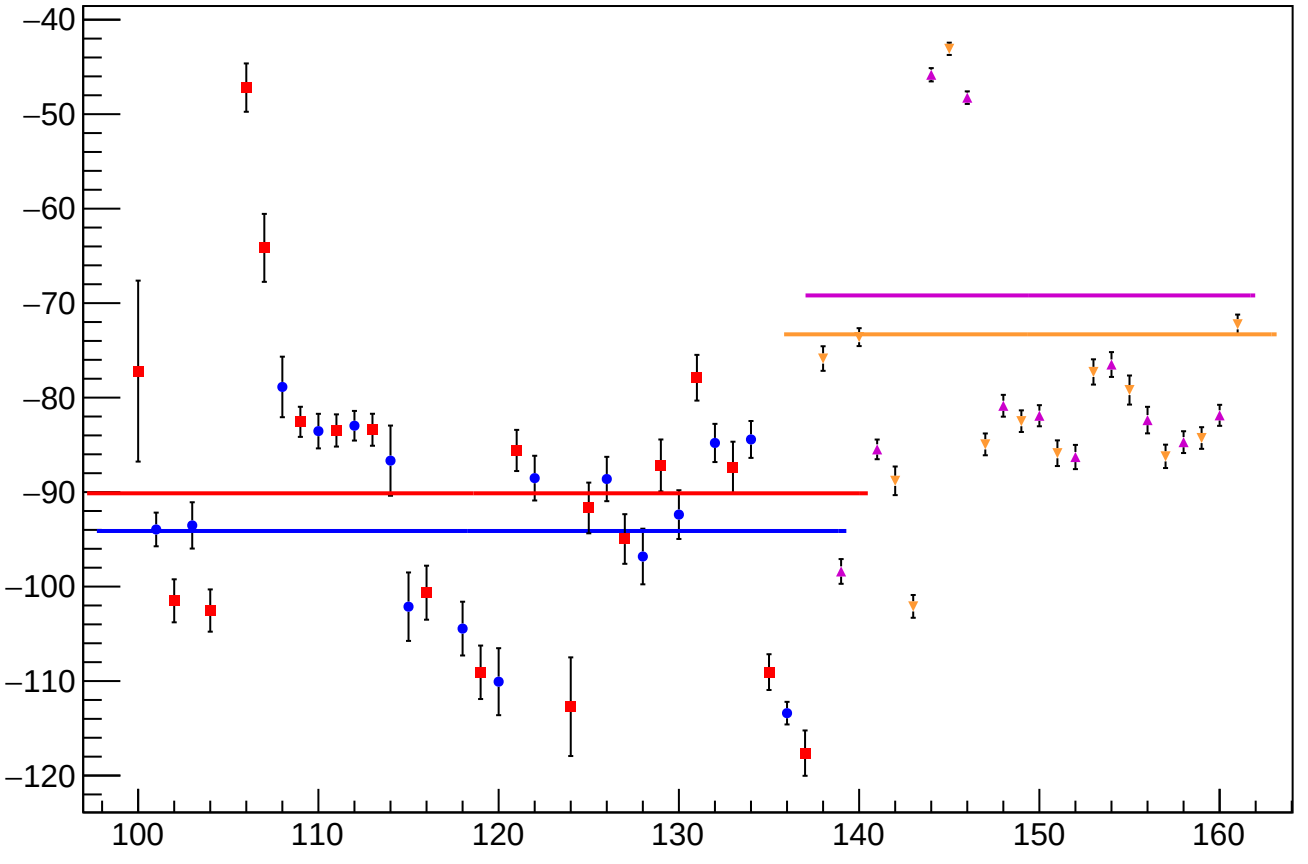
Left: -4.645+/-0.150 χ^2/NDF: 1111.0/23

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.515+/-0.193 χ^2/NDF:583.2/26

Out: -3.853+/-0.200 χ^2/NDF:867.3/31

All: -4.711+/-0.139 χ^2/NDF: 1486.3/58



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -73.301+/-0.307 χ^2/NDF:3313.7/12

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -69.184+/-0.307 χ^2/NDF:3670.3/10

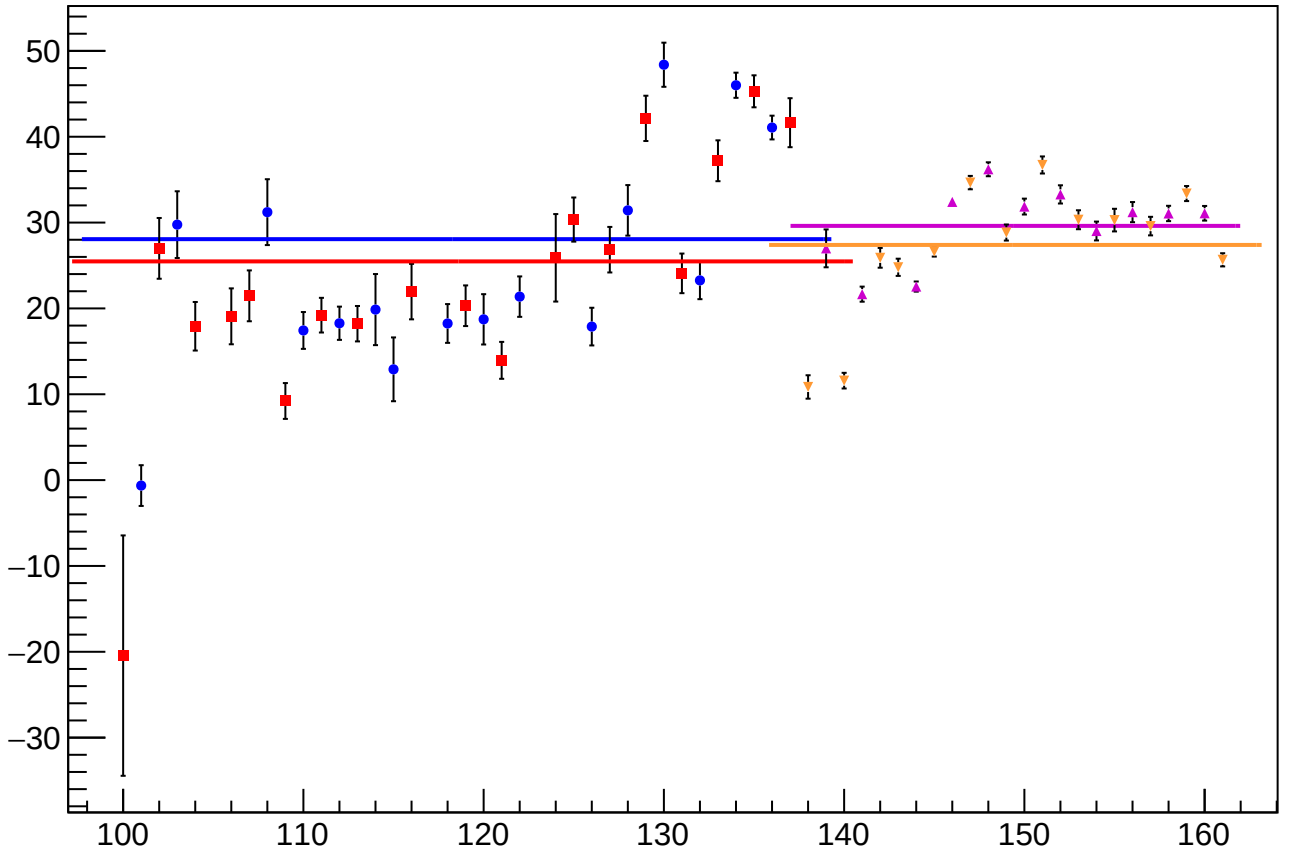
Left: -71.244+/-0.217 χ^2/NDF: 7073.7/23

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -75.338+/-0.267 χ^2/NDF:5760.3/26

Out: -77.384+/-0.267 χ^2/NDF:4830.4/31

All: -76.358+/-0.189 χ^2/NDF: 10620.0/58



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.395+/-0.255 χ^2/NDF:702.1/12

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.615+/-0.250 χ^2/NDF:348.0/10

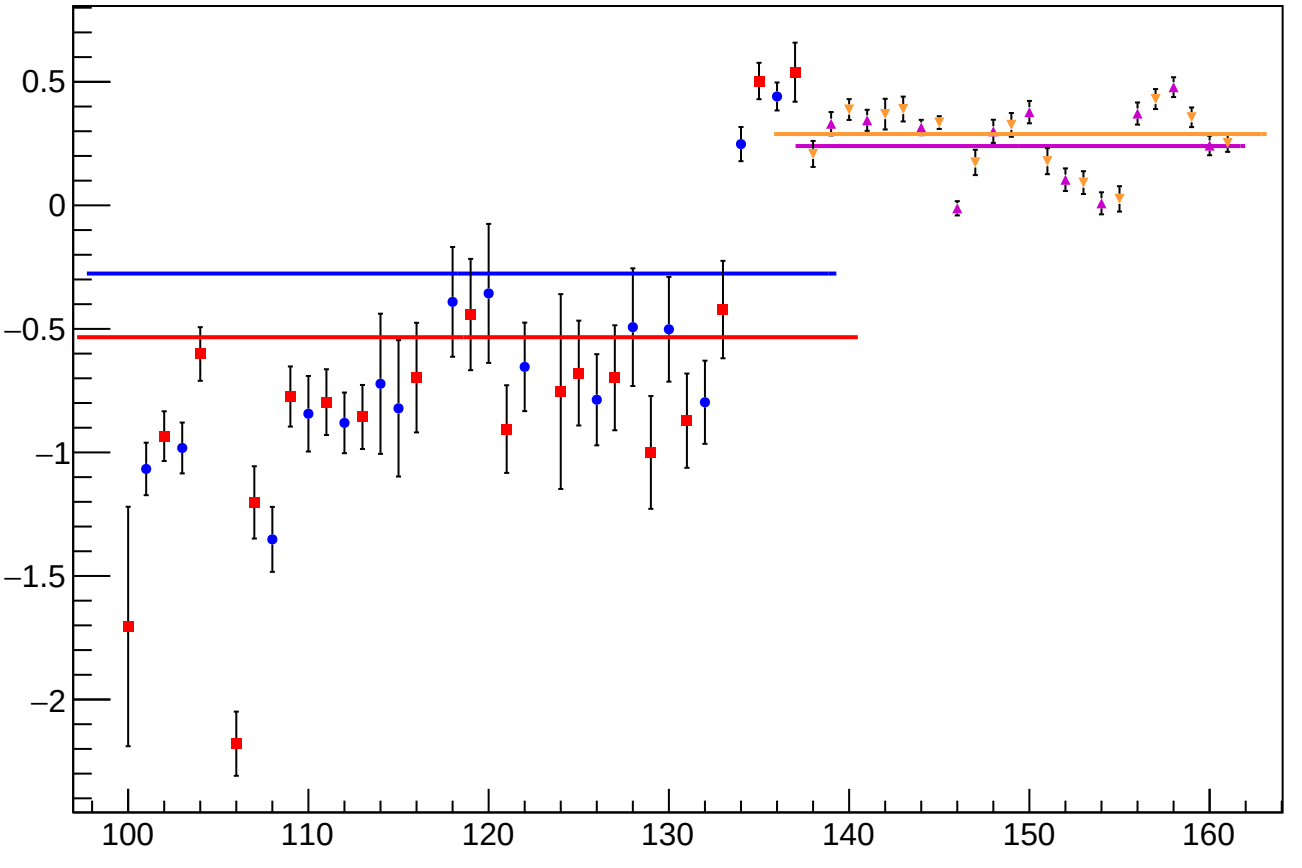
Left: 28.526+/-0.179 χ^2/NDF: 1088.8/23

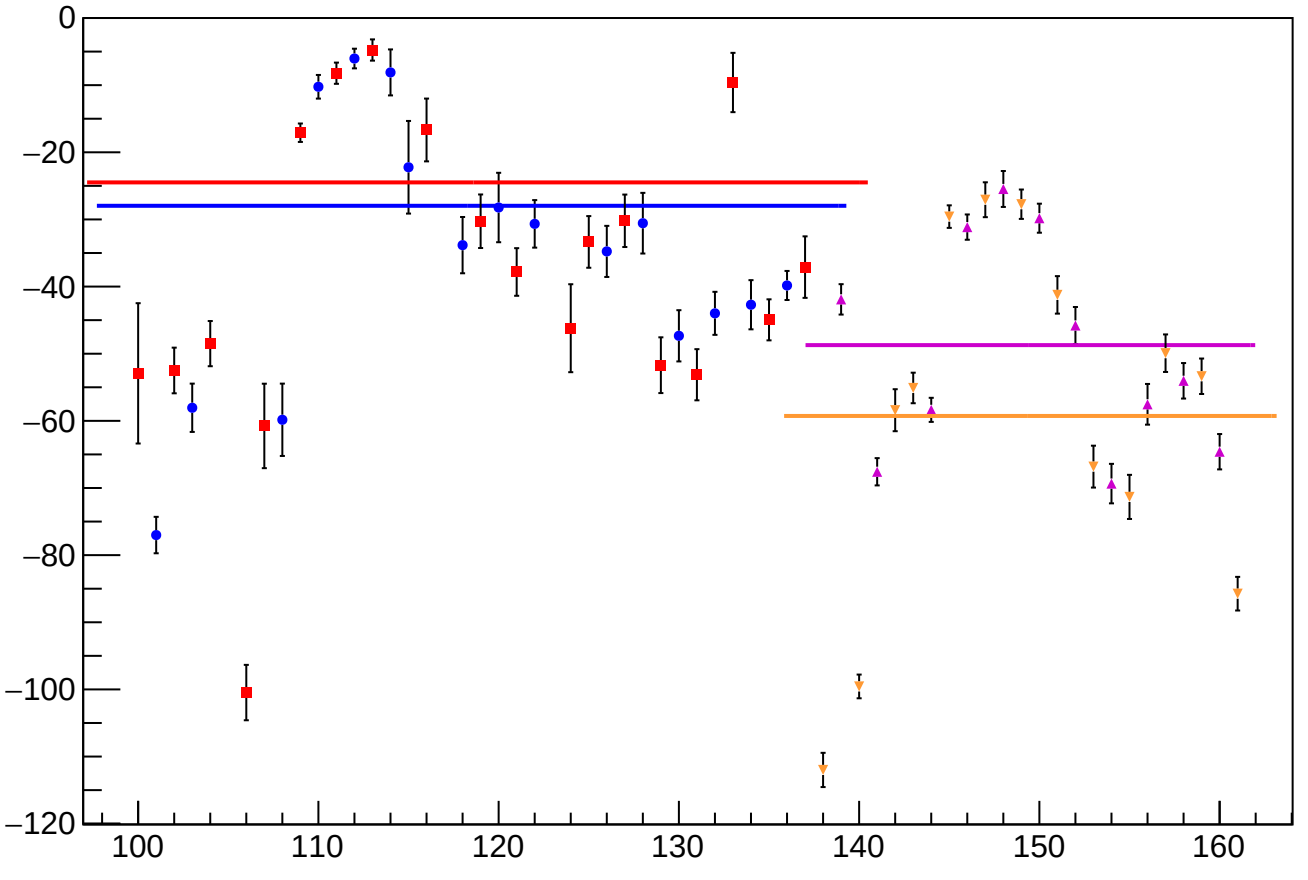
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 29.364+/-0.229 χ^2/NDF:937.3/26

Out: 27.094+/-0.234 χ^2/NDF:1065.7/31

All: 28.254+/-0.164 χ^2/NDF: 2051.0/58


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.276+/-0.031 χ²/NDF: 455.6/15
Left Out: 0.289+/-0.012 χ²/NDF:87.3/12
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.240+/-0.012 χ²/NDF:182.2/10
Left: 0.265+/-0.008 χ²/NDF: 277.7/23
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.171+/-0.011 χ²/NDF:883.7/26
Out: 0.194+/-0.011 χ²/NDF:1151.9/31
All: 0.183+/-0.008 χ²/NDF: 2037.7/58



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -59.270+/-0.669 χ^2/NDF:1814.6/12

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -48.719+/-0.702 χ^2/NDF:462.4/10

Left: -54.253+/-0.484 χ^2/NDF: 2395.4/23

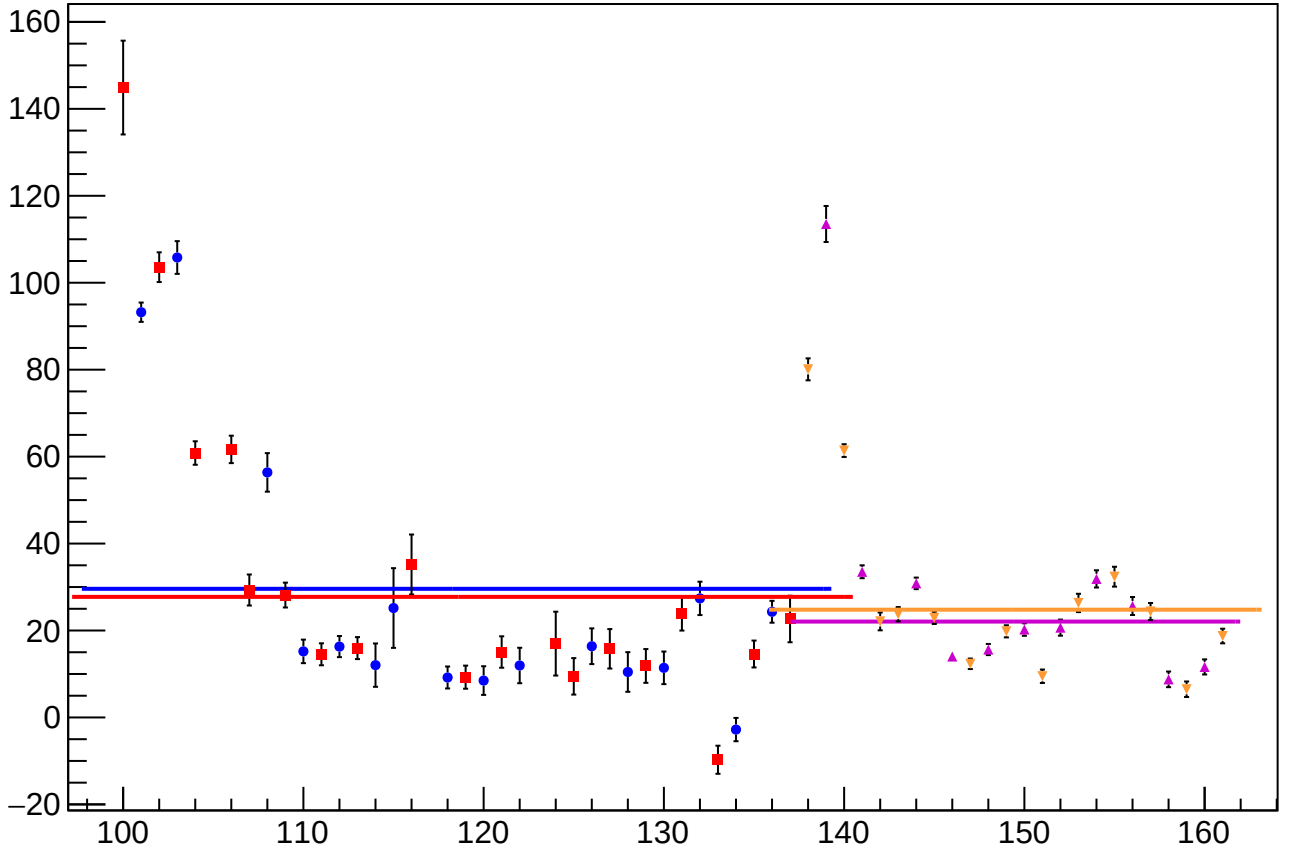
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -38.710+/-0.505 χ^2/NDF:1778.2/26

Out: -41.724+/-0.471 χ^2/NDF:4169.1/31

All: -40.324+/-0.344 χ^2/NDF: 5966.3/58

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 24.792+/-0.461 χ^2/NDF:1452.7/12

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 22.055+/-0.480 χ^2/NDF:785.5/10

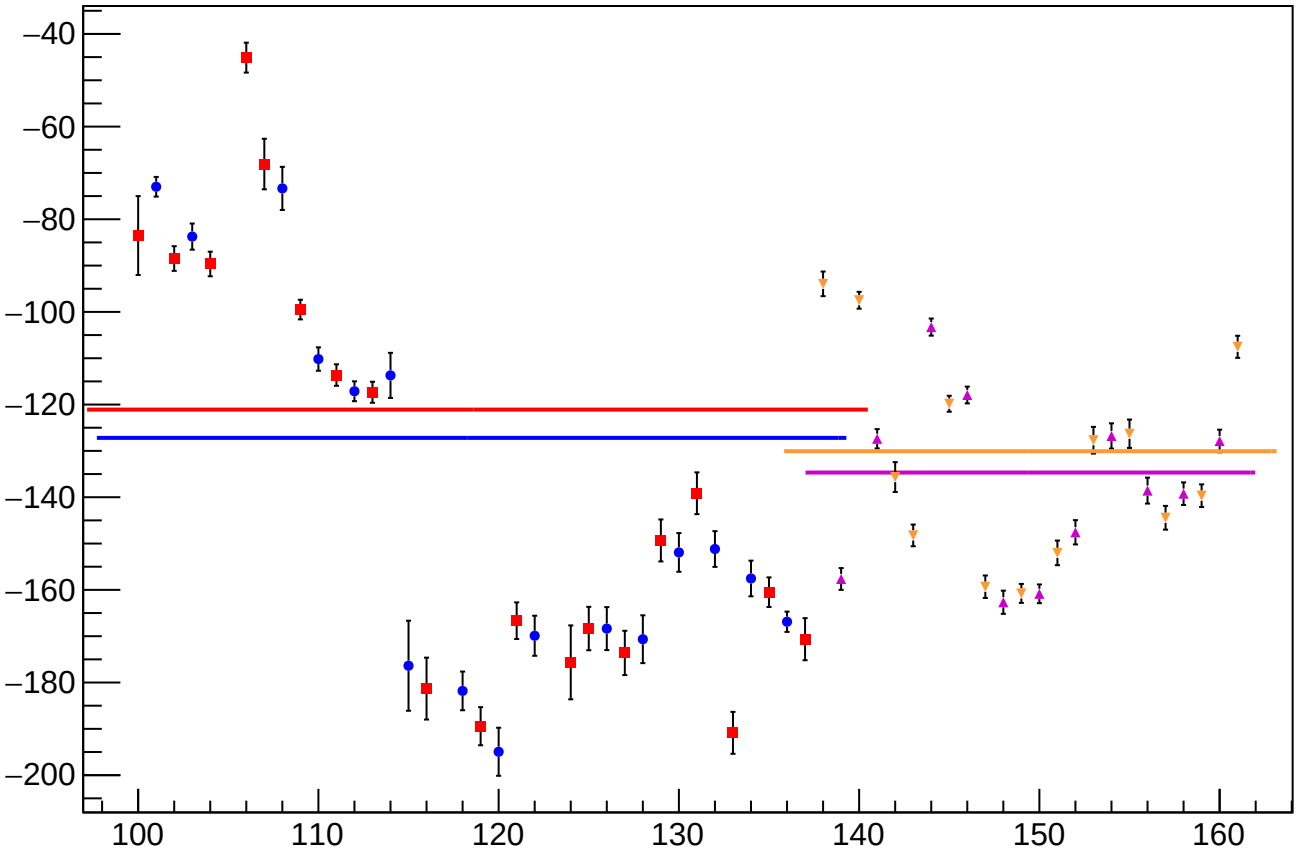
Left: 23.477+/-0.332 χ^2/NDF: 2255.1/23

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 24.023+/-0.412 χ^2/NDF:2515.6/26

Out: 25.531+/-0.399 χ^2/NDF:2648.0/31

All: 24.801+/-0.287 χ^2/NDF: 5170.5/58



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.065+/-0.655 χ^2/NDF:1182.4/12

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -134.672+/-0.681 χ^2/NDF:819.8/10

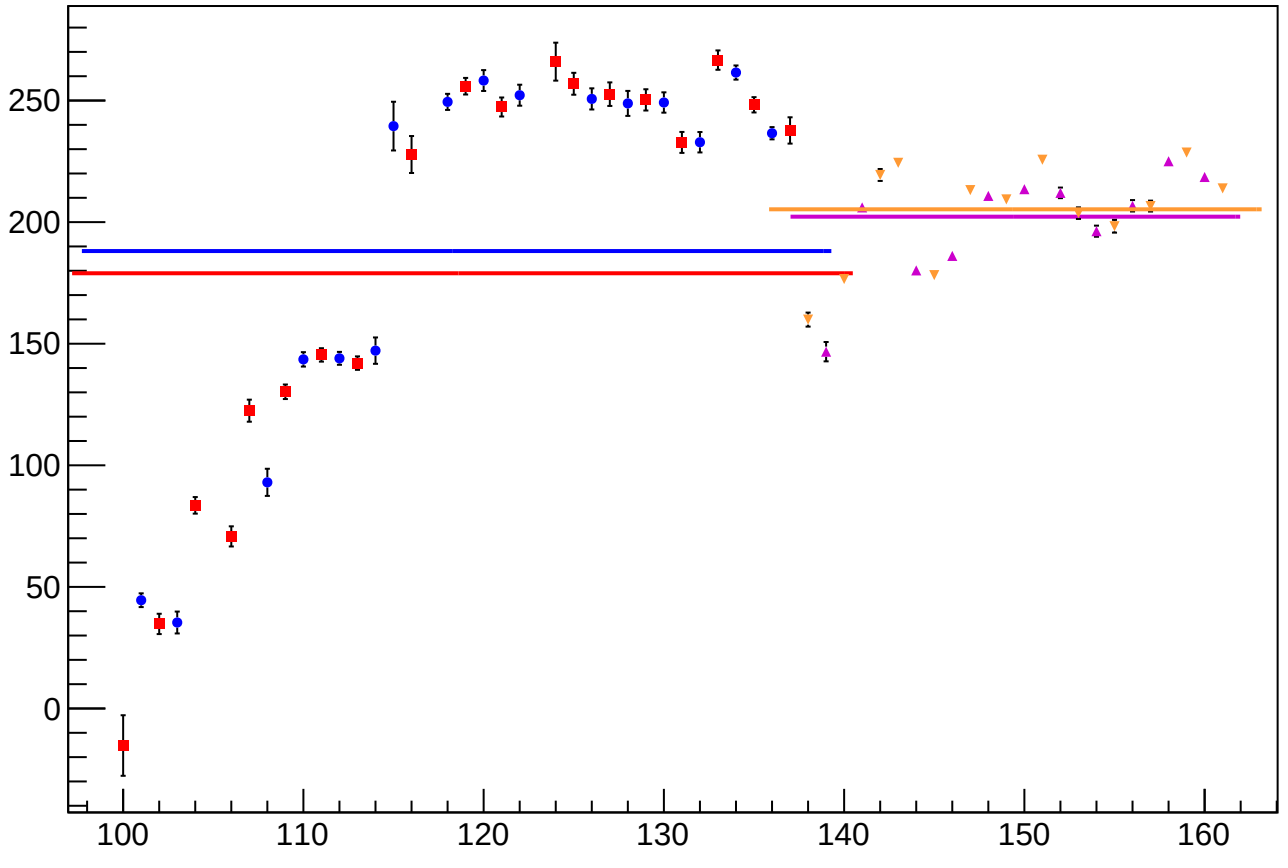
Left: -132.277+/-0.472 χ^2/NDF: 2026.0/23

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.658+/-0.526 χ^2/NDF:3046.6/26

Out: -126.451+/-0.506 χ^2/NDF:3655.4/31

All: -128.952+/-0.365 χ^2/NDF: 6752.8/58



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 205.272+/-0.546 χ^2/NDF:1249.4/12

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 202.241+/-0.567 χ^2/NDF:850.6/10

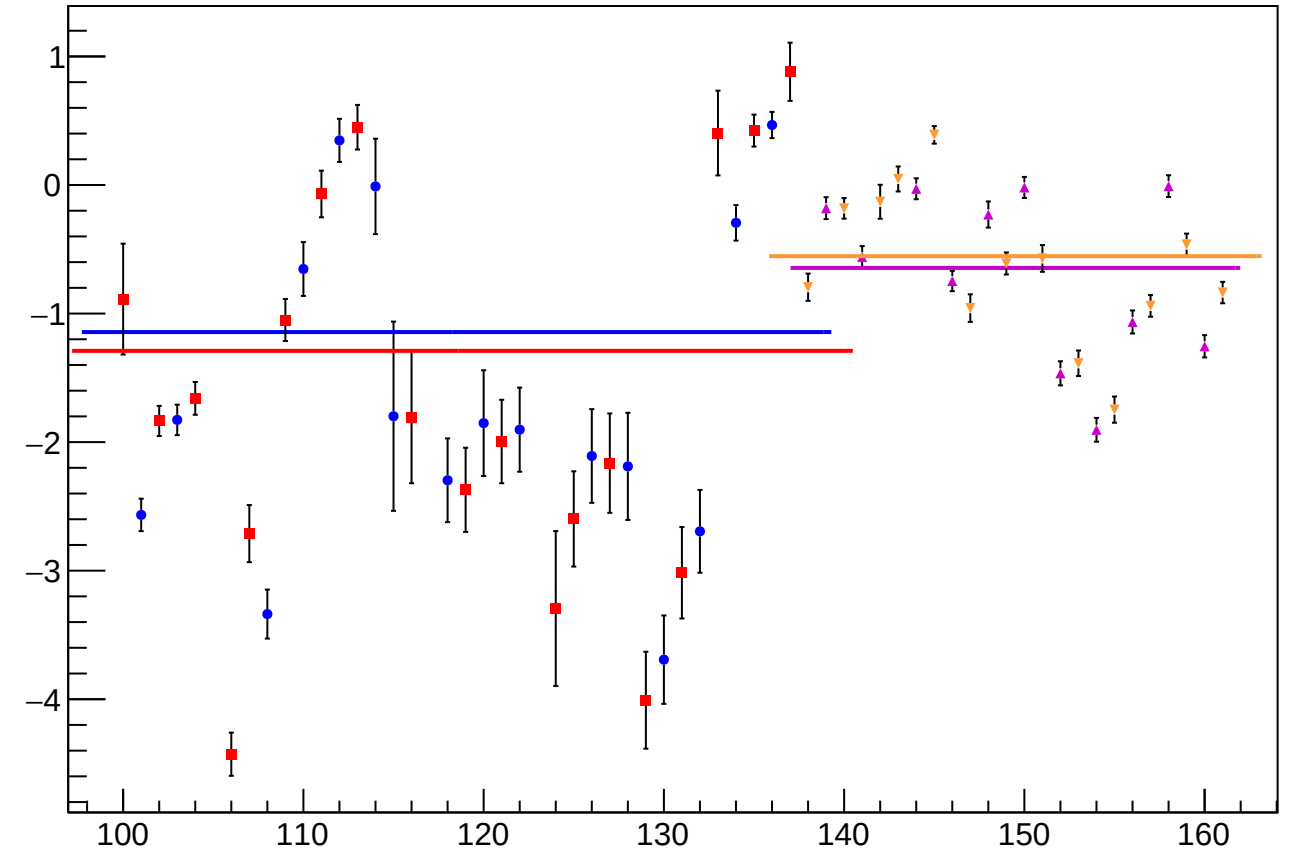
Left: 203.814+/-0.393 χ^2/NDF: 2114.9/23

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 198.342+/-0.482 χ^2/NDF:8140.9/26

Out: 198.298+/-0.468 χ^2/NDF:8534.7/31

All: 198.319+/-0.336 χ^2/NDF: 16675.6/58



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.553+/-0.025 χ^2/NDF:522.5/12

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.645+/-0.026 χ^2/NDF:554.0/10

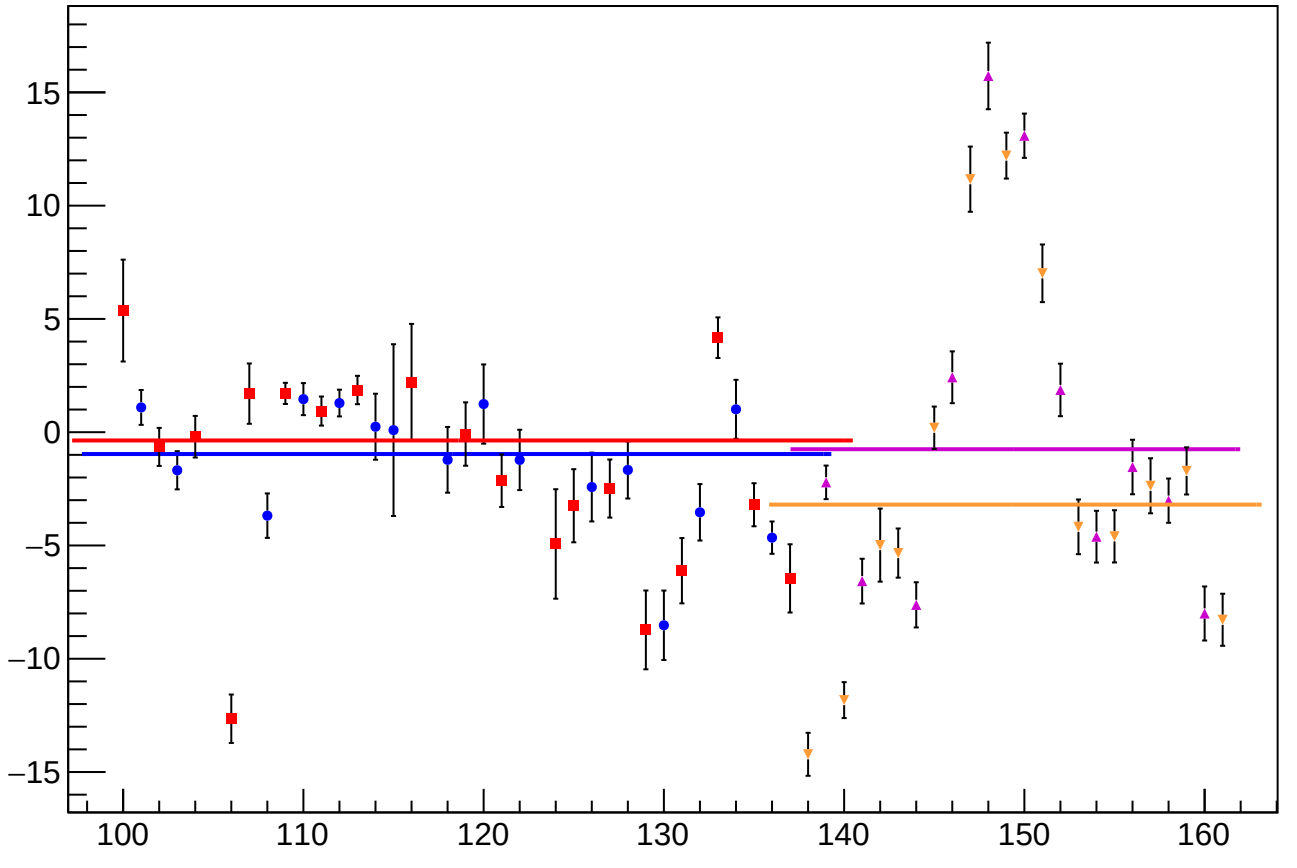
Left: -0.598+/-0.018 χ^2/NDF: 1082.9/23

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.759+/-0.023 χ^2/NDF:1424.6/26

Out: -0.717+/-0.022 χ^2/NDF:1708.4/31

All: -0.737+/-0.016 χ^2/NDF: 3134.7/58



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.195+/-0.302 χ^2/NDF:690.9/12

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -0.751+/-0.315 χ^2/NDF:479.6/10

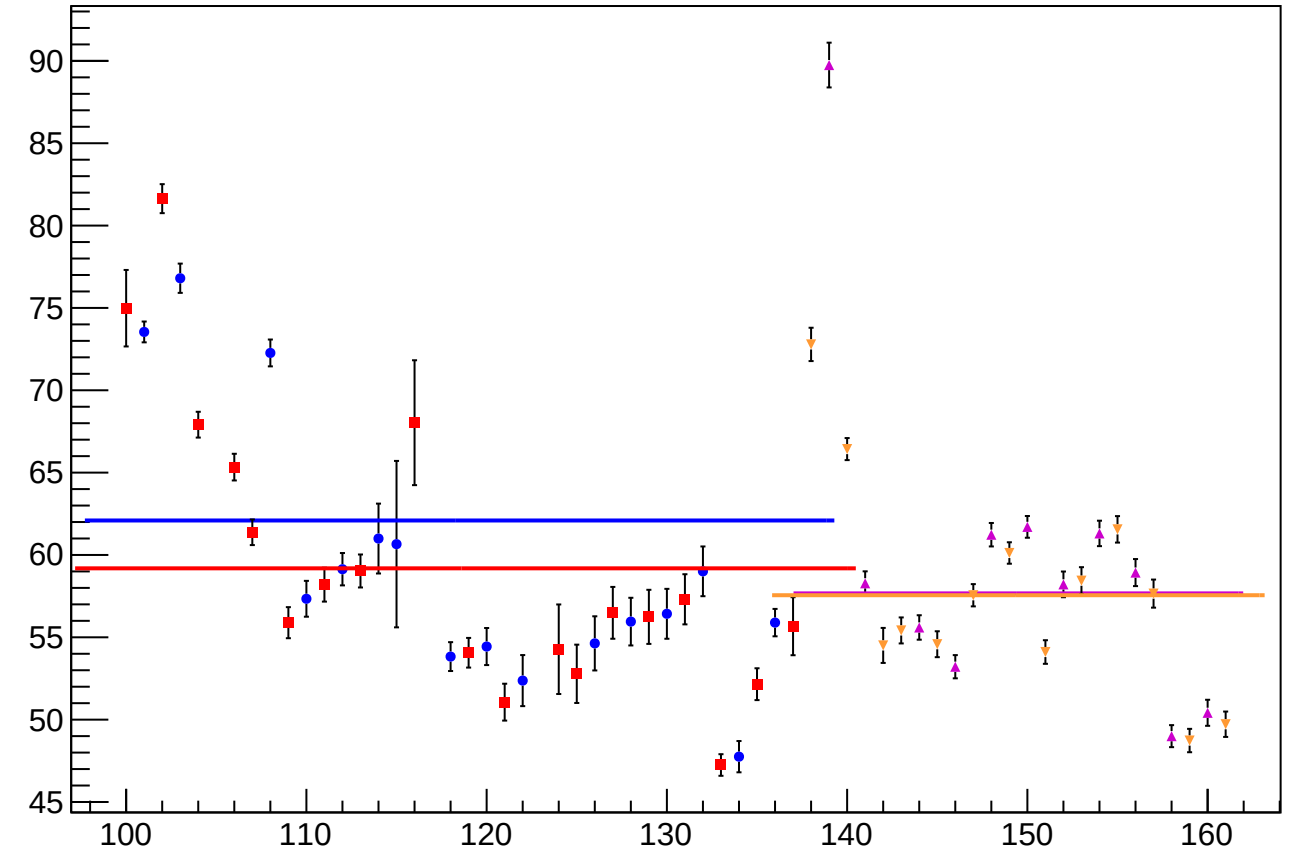
Left: -2.024+/-0.218 χ^2/NDF: 1201.9/23

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.881+/-0.197 χ^2/NDF:583.1/26

Out: -1.367+/-0.180 χ^2/NDF:1028.2/31

All: -1.146+/-0.133 χ^2/NDF: 1614.6/58



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.555+/-0.214 χ^2/NDF:754.4/12

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.667+/-0.228 χ^2/NDF:945.2/10

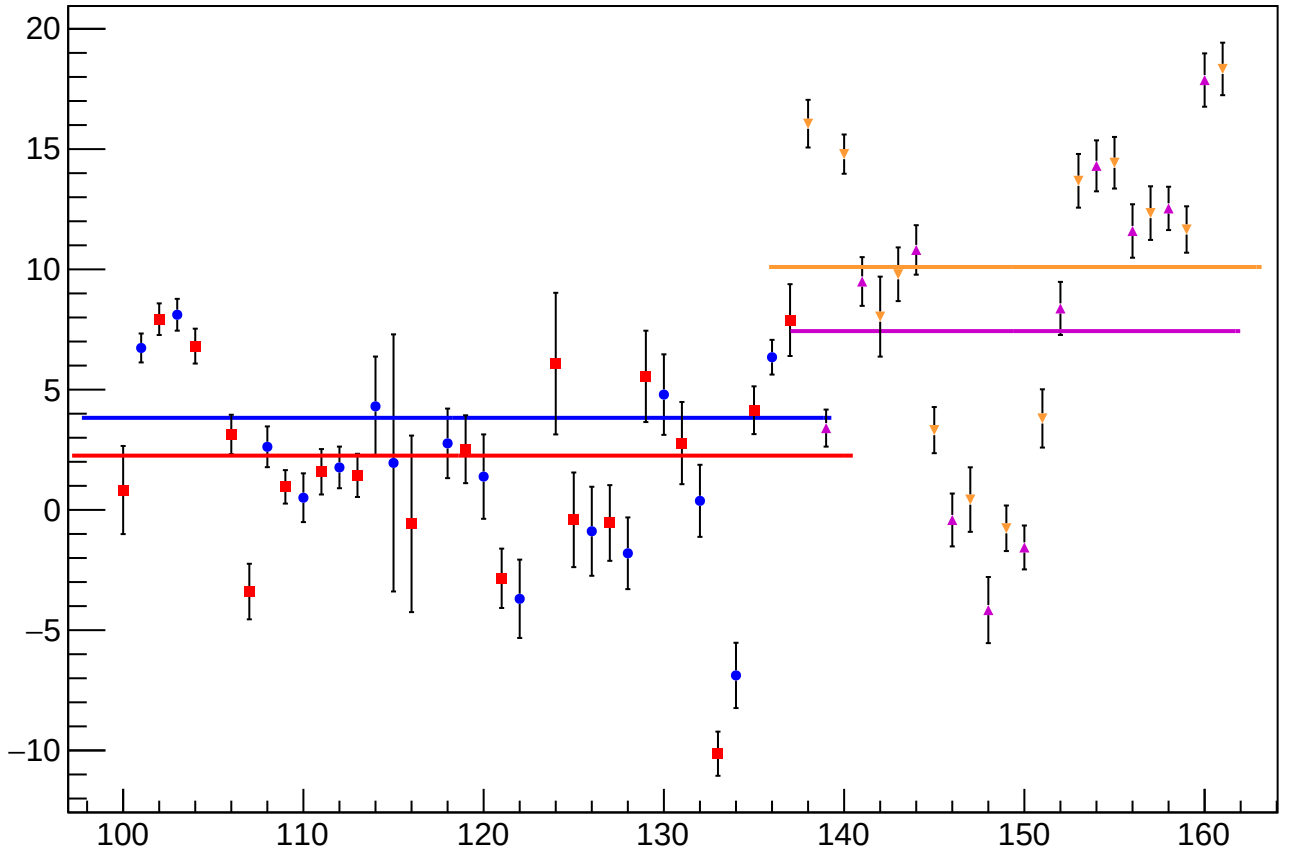
Left: 57.607+/-0.156 χ^2/NDF: 1699.8/23

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.551+/-0.173 χ^2/NDF:2406.3/26

Out: 58.265+/-0.161 χ^2/NDF:2181.9/31

All: 58.860+/-0.118 χ^2/NDF: 4617.8/58



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.099+/-0.295 χ^2/NDF:421.5/12

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 7.434+/-0.305 χ^2/NDF:439.2/10

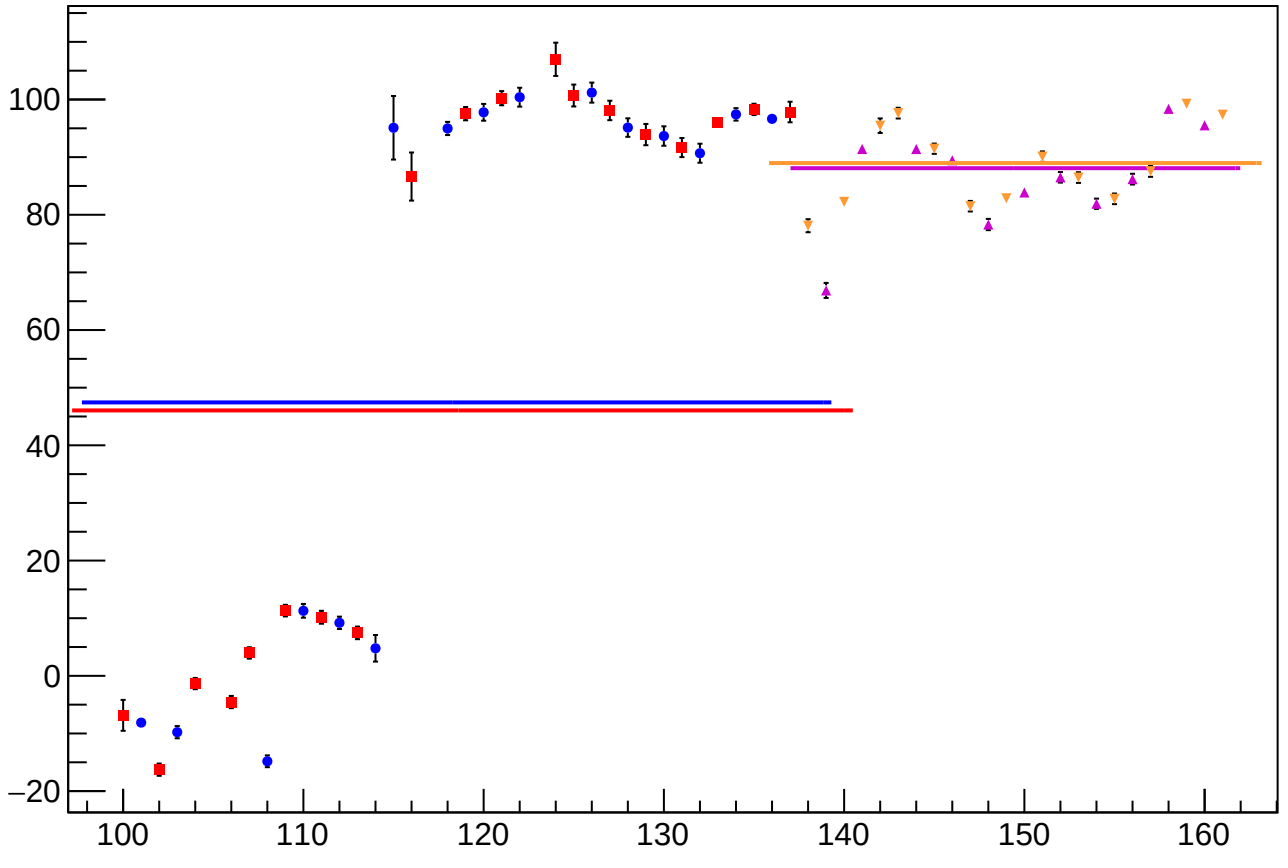
Left: 8.814+/-0.212 χ^2/NDF: 900.1/23

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 5.380+/-0.200 χ^2/NDF:727.3/26

Out: 5.484+/-0.189 χ^2/NDF:1210.1/31

All: 5.435+/-0.137 χ^2/NDF: 1937.5/58



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 88.975+/-0.249 χ^2/NDF:763.6/12

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 88.084+/-0.264 χ^2/NDF:772.5/10

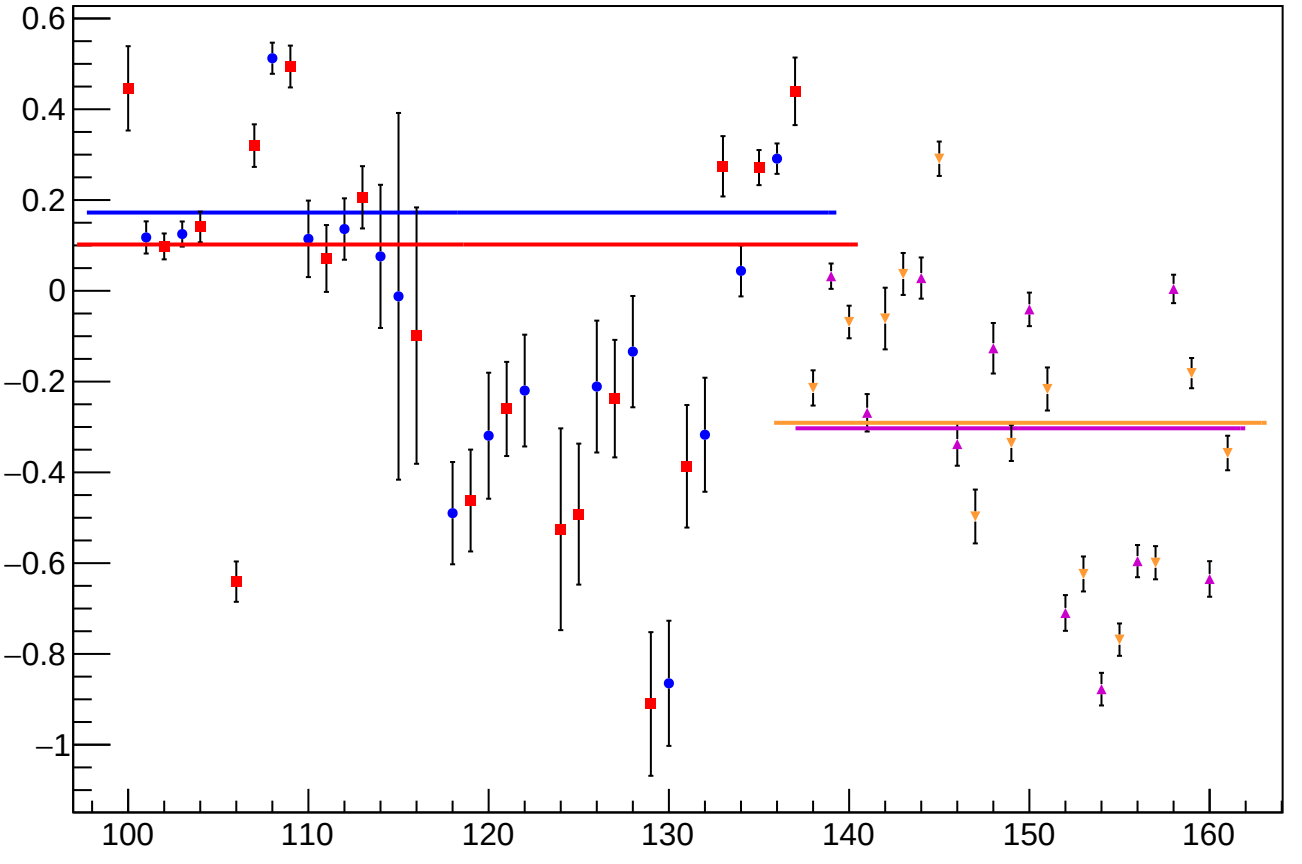
Left: 88.555+/-0.181 χ^2/NDF: 1542.2/23

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 70.889+/-0.200 χ^2/NDF:37700.0/26

Out: 70.333+/-0.187 χ^2/NDF:42543.1/31

All: 70.593+/-0.137 χ^2/NDF: 80247.2/58



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.291+/-0.011 χ^2/NDF:695.0/12

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.303+/-0.011 χ^2/NDF:856.8/10

Left: -0.297+/-0.008 χ^2/NDF: 1552.5/23

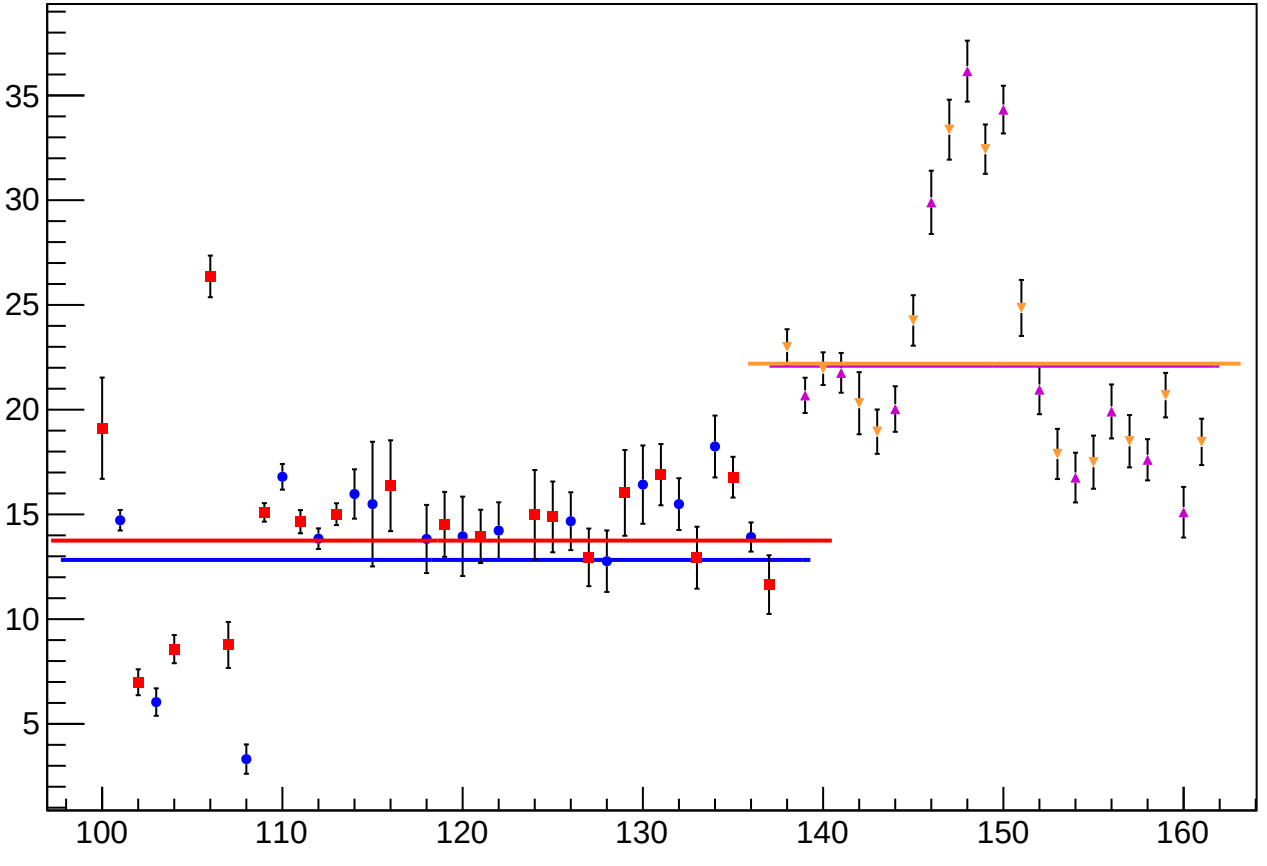
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.116+/-0.009 χ^2/NDF:1807.4/26

Out: -0.130+/-0.009 χ^2/NDF:1757.8/31

All: -0.123+/-0.006 χ^2/NDF: 3566.4/58

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.197+/-0.309 χ^2/NDF:204.1/12

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 22.099+/-0.337 χ^2/NDF:320.4/10

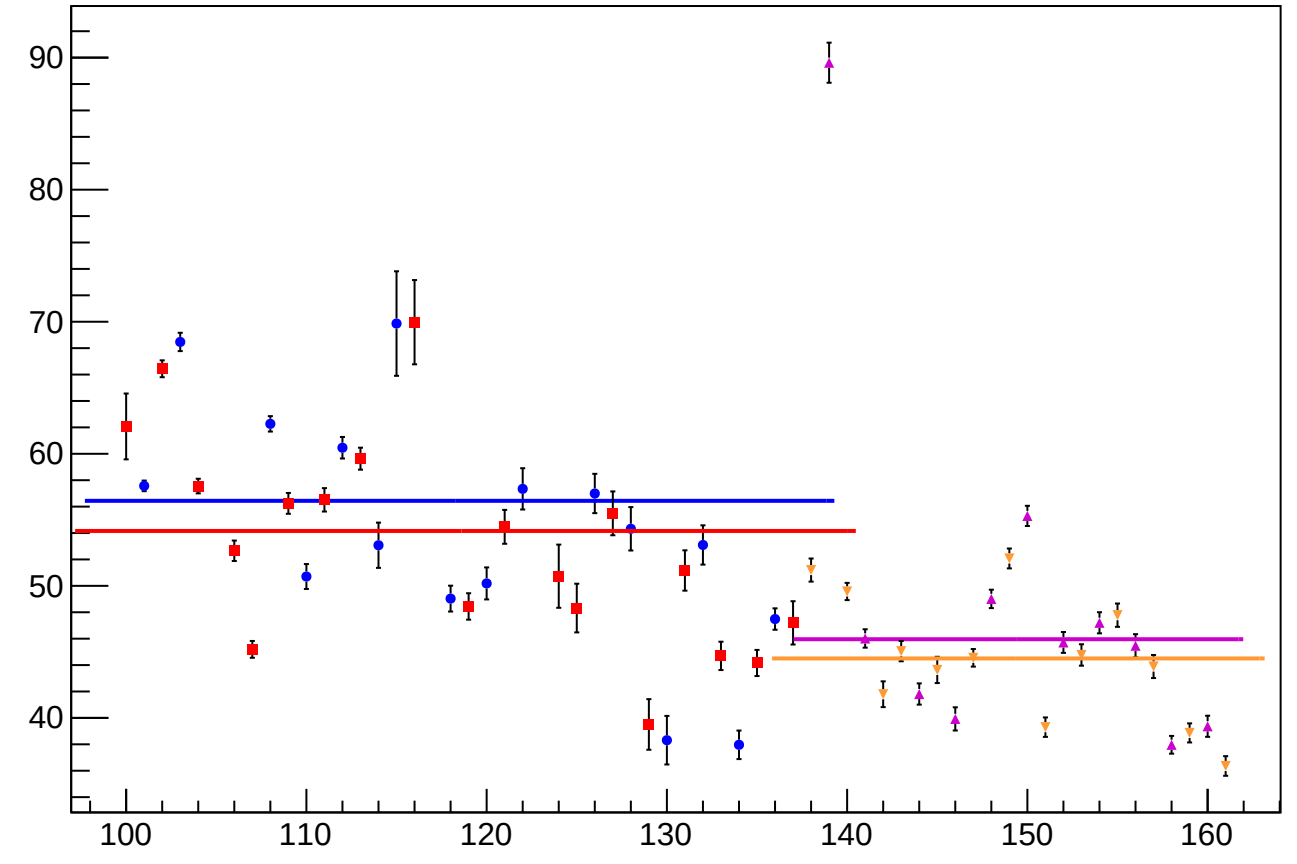
Left: 22.152+/-0.228 χ^2/NDF: 524.5/23

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.492+/-0.181 χ^2/NDF:1247.7/26

Out: 16.319+/-0.170 χ^2/NDF:1129.0/31

All: 15.930+/-0.124 χ^2/NDF: 2387.7/58



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 44.503+/-0.218 χ^2/NDF:474.4/12

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 45.958+/-0.240 χ^2/NDF:1282.2/10

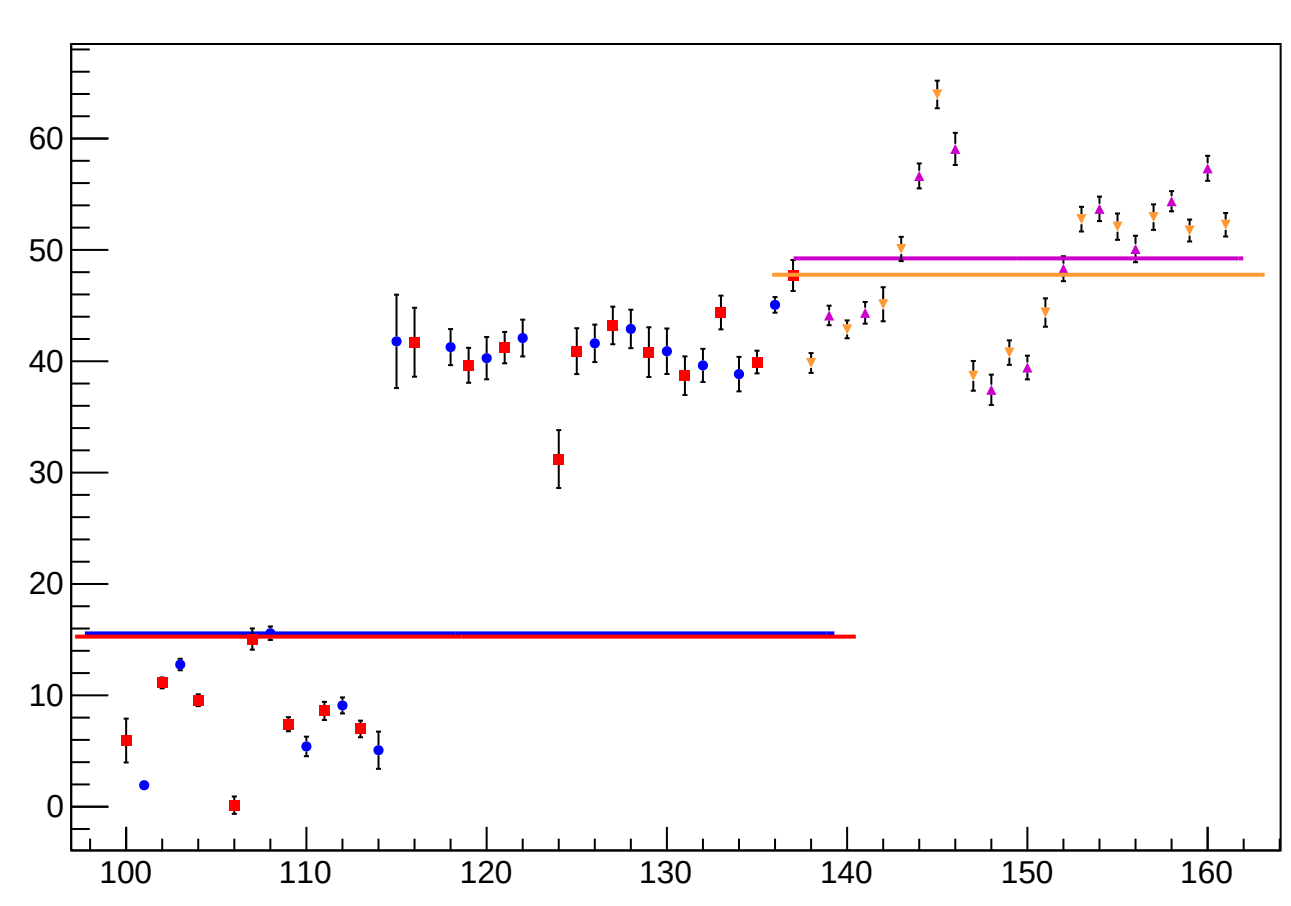
Left: 45.160+/-0.161 χ^2/NDF: 1776.8/23

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 51.611+/-0.163 χ^2/NDF:3398.3/26

Out: 49.179+/-0.156 χ^2/NDF:2434.0/31

All: 50.345+/-0.113 χ^2/NDF: 5948.3/58



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 47.769+/-0.302 χ^2/NDF:477.6/12

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 49.237+/-0.326 χ^2/NDF:410.9/10

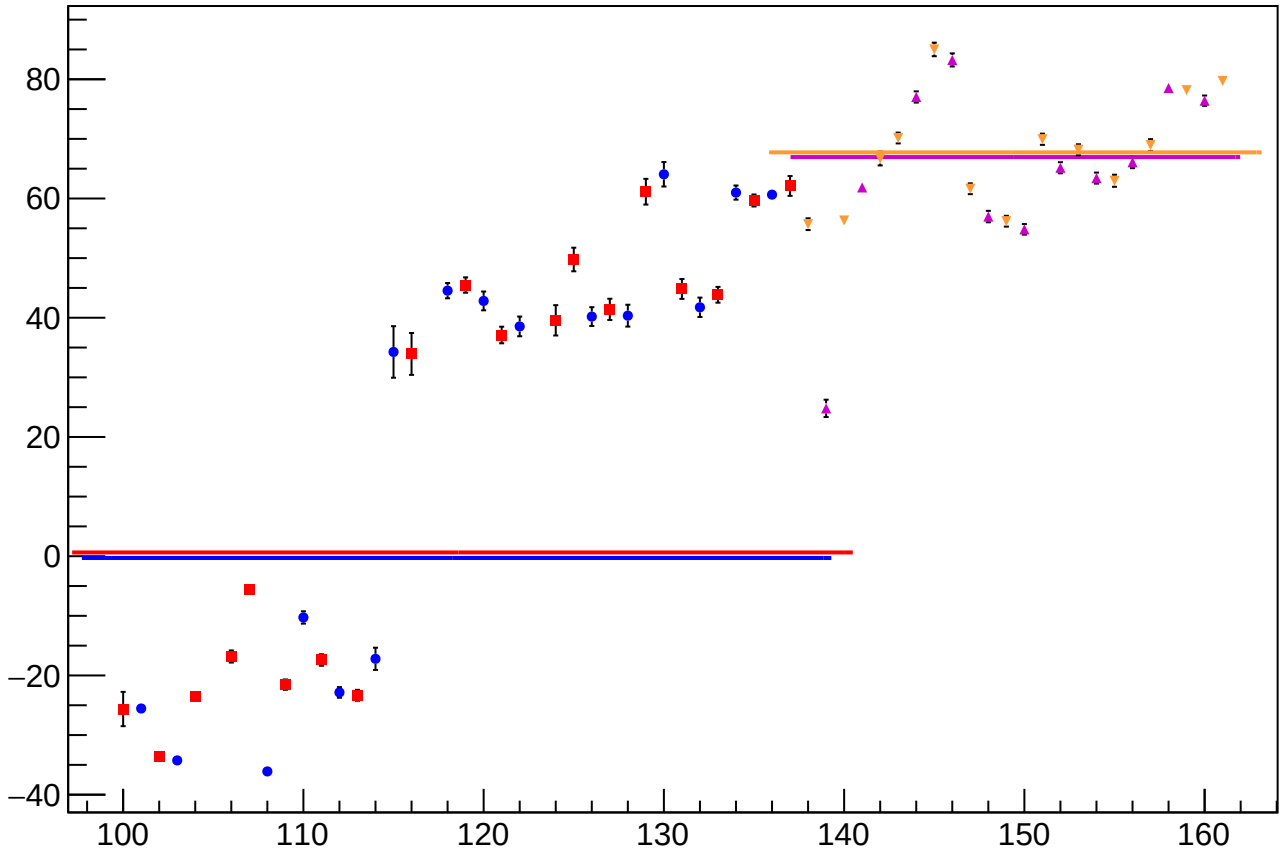
Left: 48.446+/-0.222 χ^2/NDF: 899.3/23

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 25.690+/-0.179 χ^2/NDF:13035.7/26

Out: 26.485+/-0.177 χ^2/NDF:11939.0/31

All: 26.091+/-0.126 χ^2/NDF: 24984.7/58



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 67.741+/-0.254 χ^2/NDF:1256.1/12

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 66.951+/-0.278 χ^2/NDF:1914.9/10

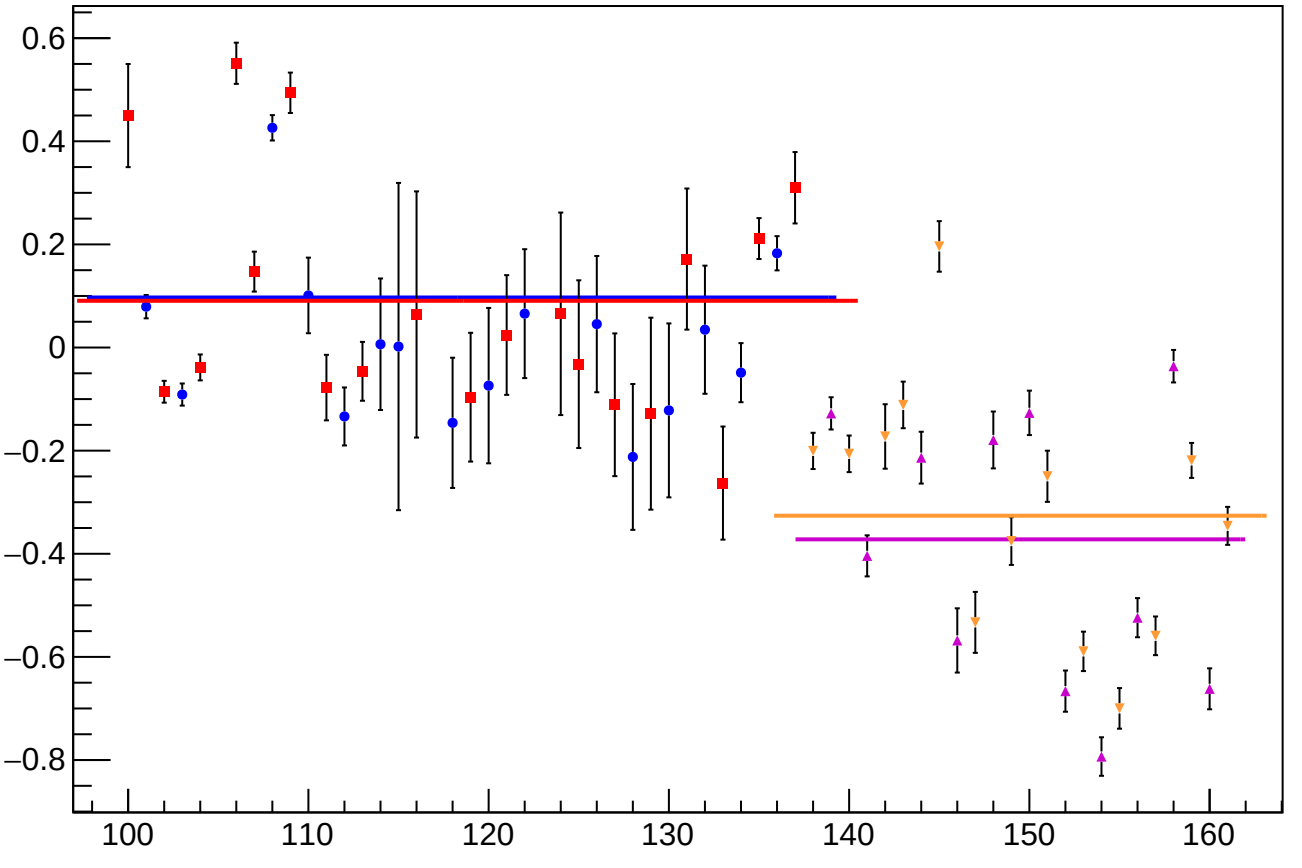
Left: 67.381+/-0.188 χ^2/NDF: 3175.5/23

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 31.250+/-0.190 χ^2/NDF:53992.3/26

Out: 35.374+/-0.183 χ^2/NDF:50834.0/31

All: 33.393+/-0.132 χ^2/NDF: 105069.9/58



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.326+/-0.011 χ^2/NDF:368.4/12

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.372+/-0.012 χ^2/NDF:490.3/10

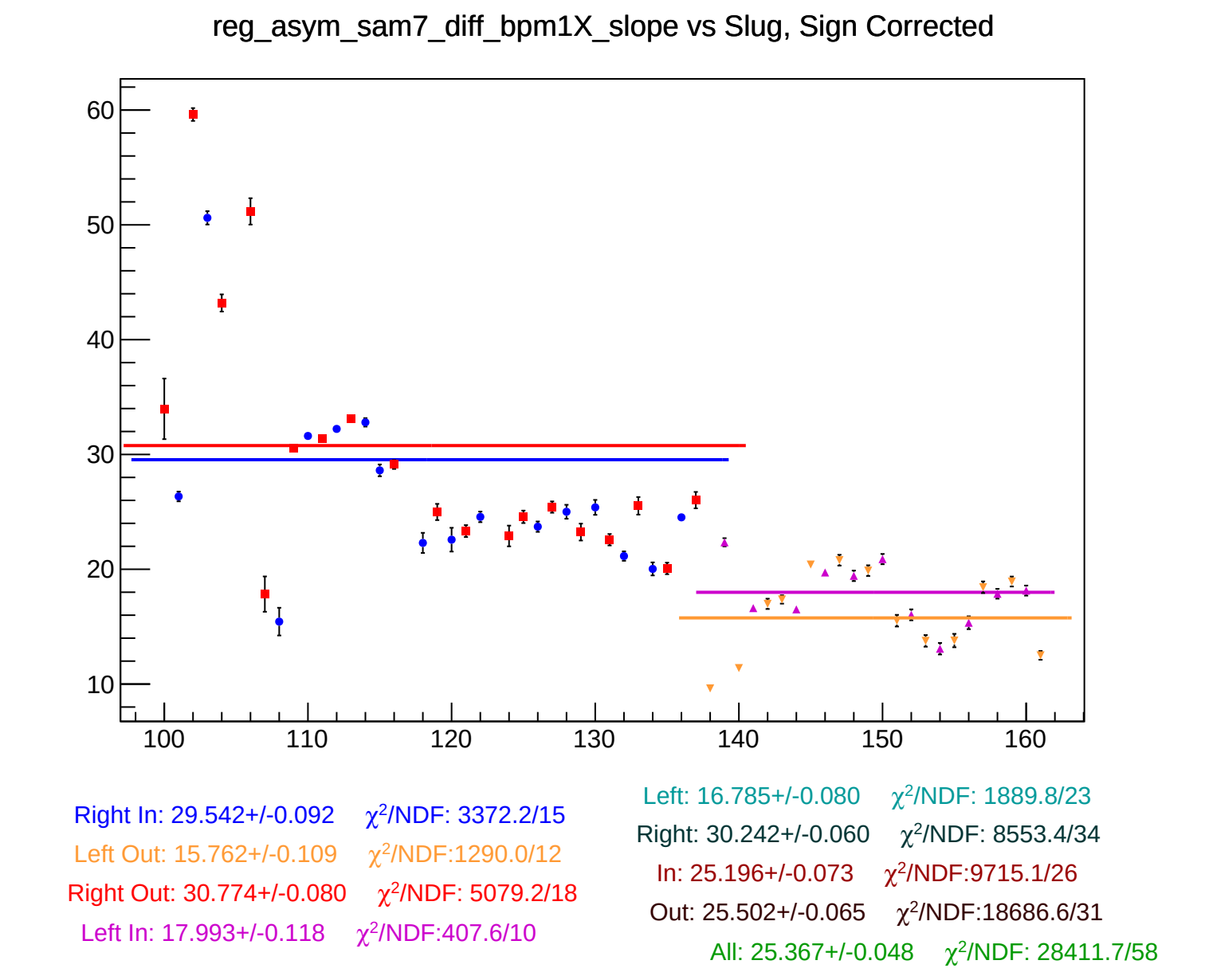
Left: -0.348+/-0.008 χ^2/NDF: 866.3/23

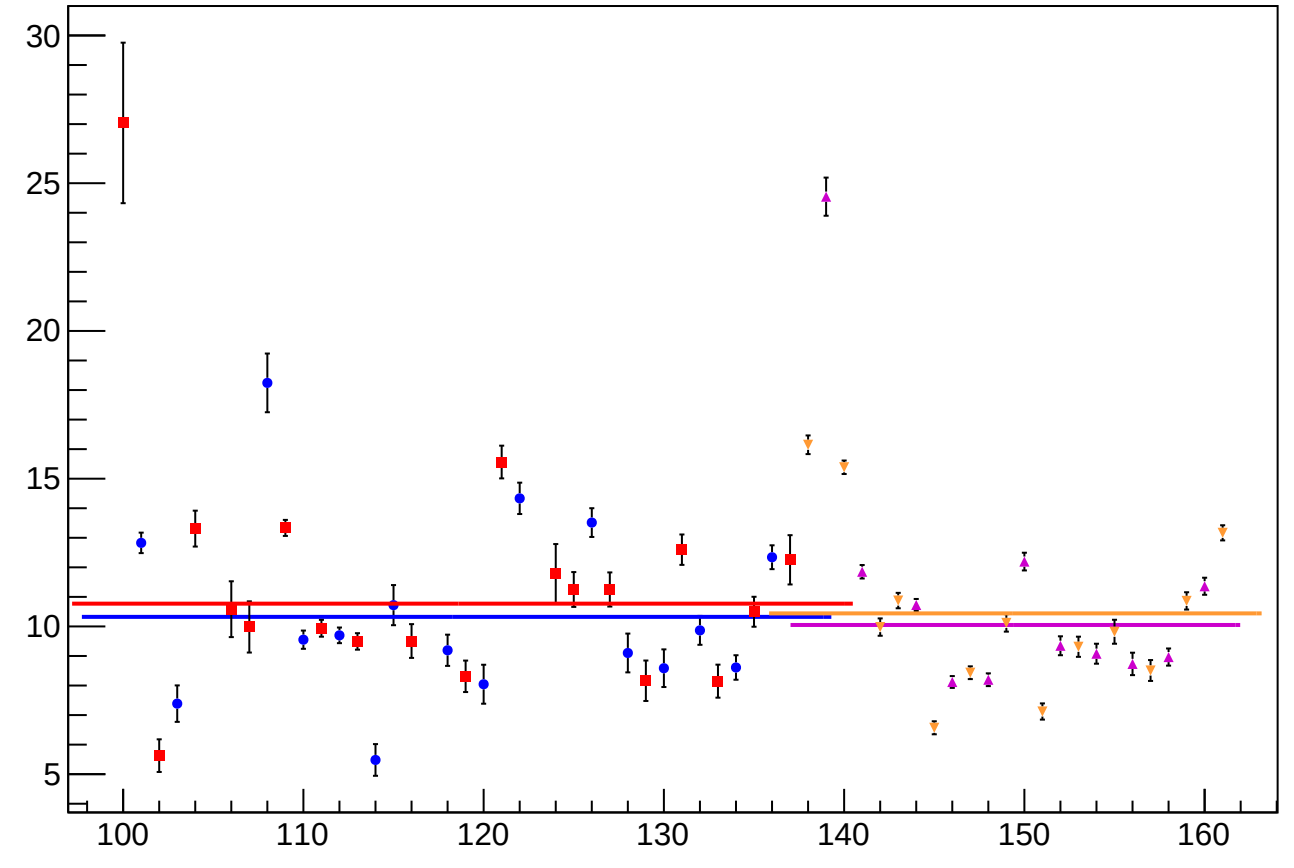
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.120+/-0.008 χ^2/NDF:1598.8/26

Out: -0.116+/-0.008 χ^2/NDF:1431.2/31

All: -0.118+/-0.006 χ^2/NDF: 3030.2/58


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 29.542+/-0.092 χ²/NDF: 3372.2/15
Left Out: 15.762+/-0.109 χ²/NDF:1290.0/12
Right Out: 30.774+/-0.080 χ²/NDF: 5079.2/18
Left In: 17.993+/-0.118 χ²/NDF:407.6/10
Left: 16.785+/-0.080 χ²/NDF: 1889.8/23
Right: 30.242+/-0.060 χ²/NDF: 8553.4/34
In: 25.196+/-0.073 χ²/NDF:9715.1/26
Out: 25.502+/-0.065 χ²/NDF:18686.6/31
All: 25.367+/-0.048 χ²/NDF: 28411.7/58



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.441+/-0.076 χ^2/NDF:1501.4/12

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.049+/-0.081 χ^2/NDF:855.0/10

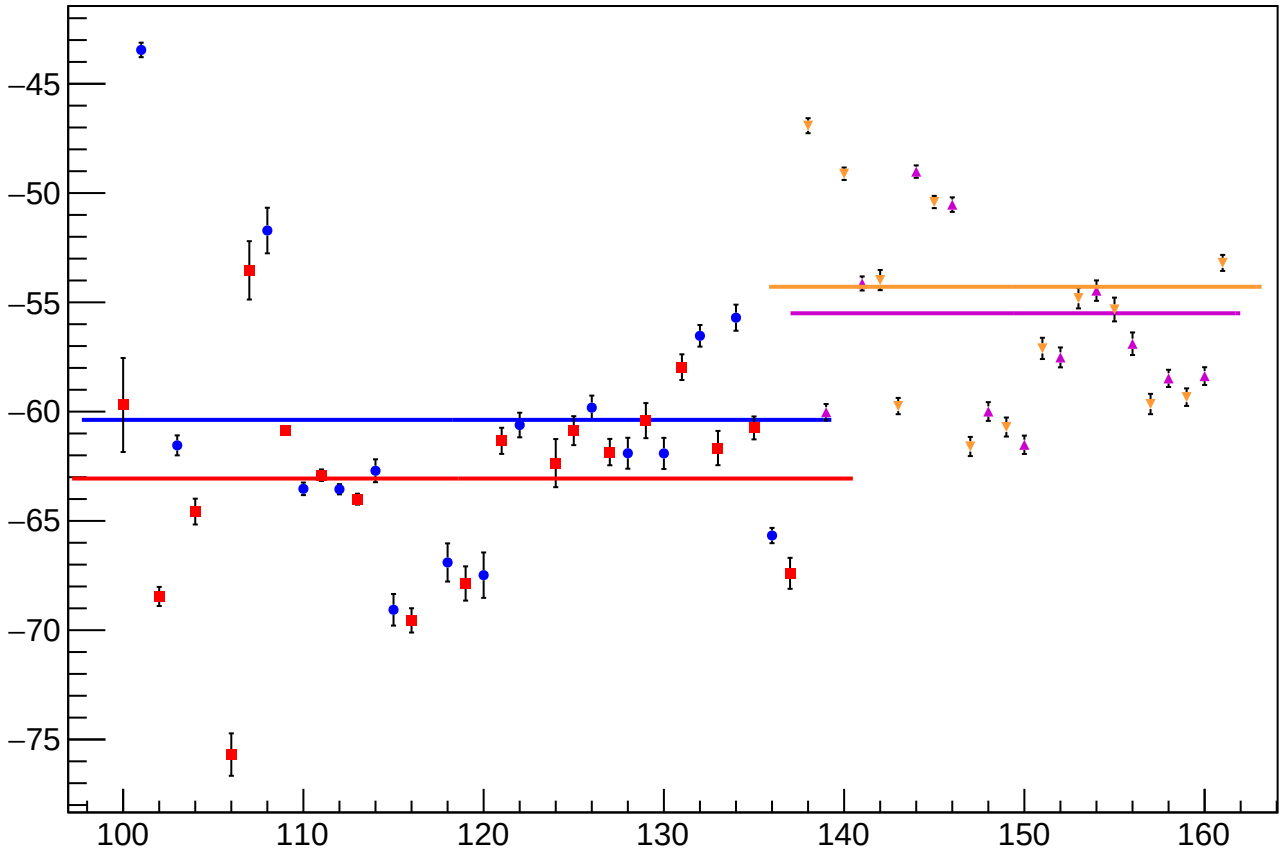
Left: 10.257+/-0.056 χ^2/NDF: 2368.8/23

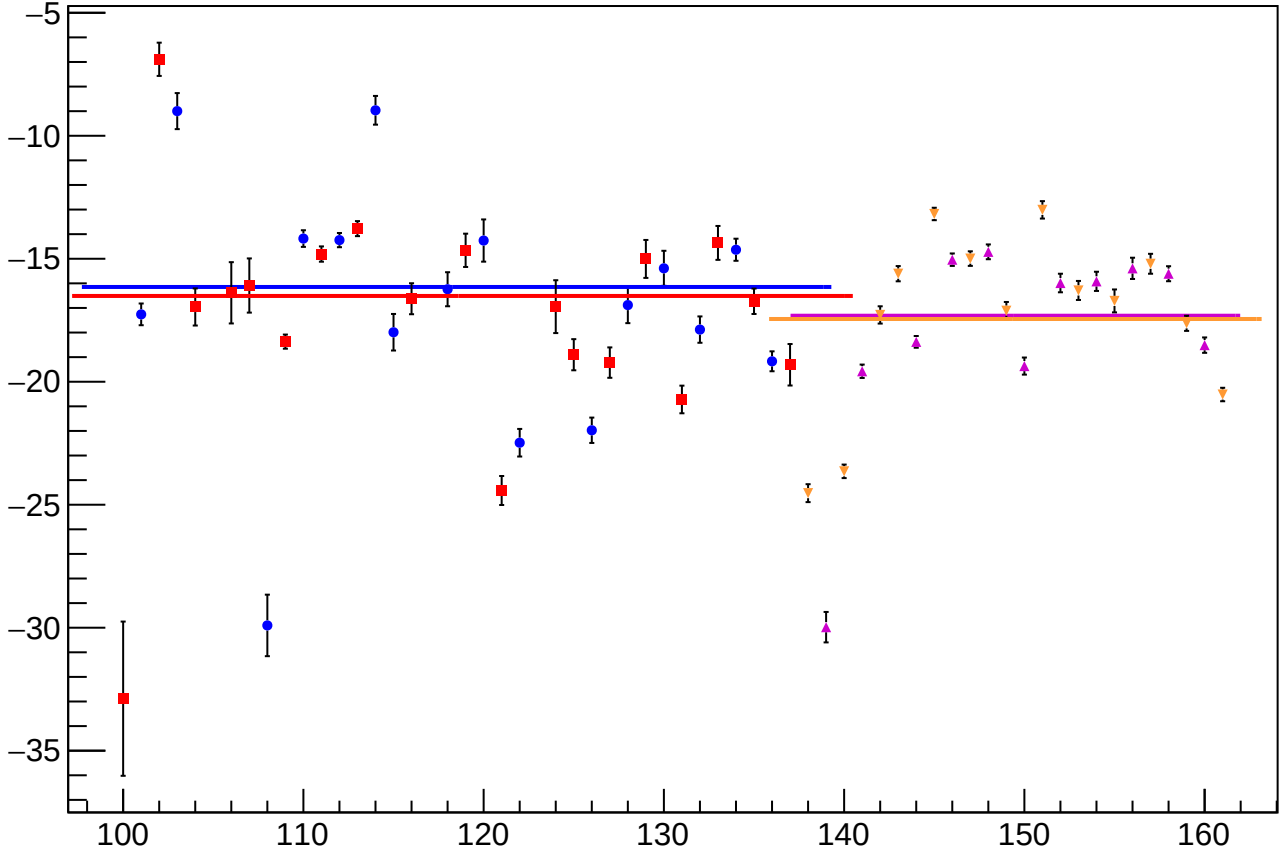
Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.141+/-0.066 χ^2/NDF:1261.5/26

Out: 10.545+/-0.063 χ^2/NDF:1923.0/31

All: 10.352+/-0.046 χ^2/NDF: 3204.0/58


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
160
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -54.288+/-0.108 χ²/NDF:2028.9/12
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -55.500+/-0.115 χ²/NDF:1362.8/10
Left: -54.851+/-0.079 χ²/NDF: 3450.6/23
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -57.991+/-0.081 χ²/NDF:5871.6/26
Out: -58.690+/-0.076 χ²/NDF:6206.8/31
All: -58.362+/-0.055 χ²/NDF: 12118.1/58



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.449+/-0.090 χ^2/NDF:1600.8/12

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.316+/-0.096 χ^2/NDF:788.0/10

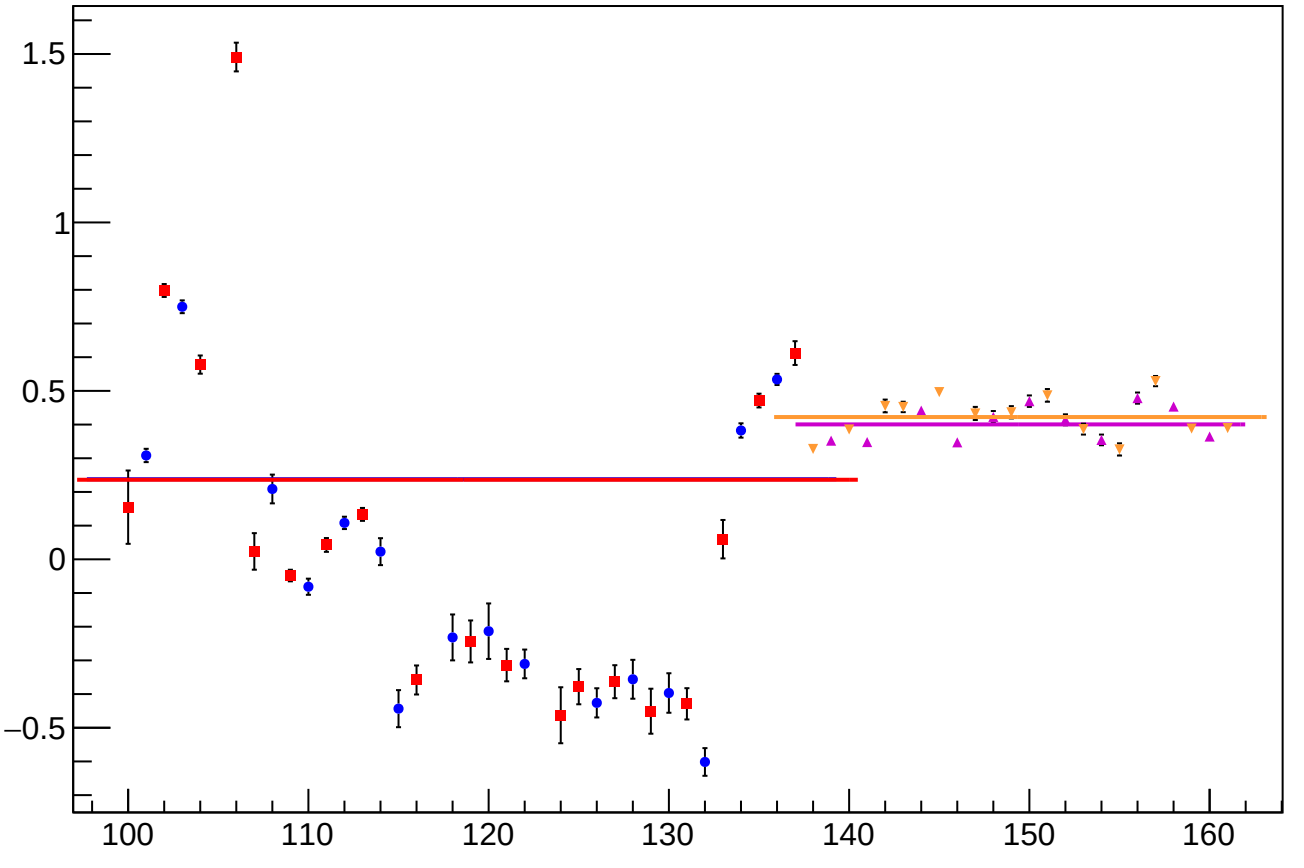
Left: -17.387+/-0.066 χ^2/NDF: 2389.9/23

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.891+/-0.077 χ^2/NDF:1638.9/26

Out: -17.128+/-0.073 χ^2/NDF:2322.6/31

All: -17.015+/-0.053 χ^2/NDF: 3966.5/58



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.422+/-0.004 χ^2/NDF:213.5/12

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.400+/-0.004 χ^2/NDF:123.8/10

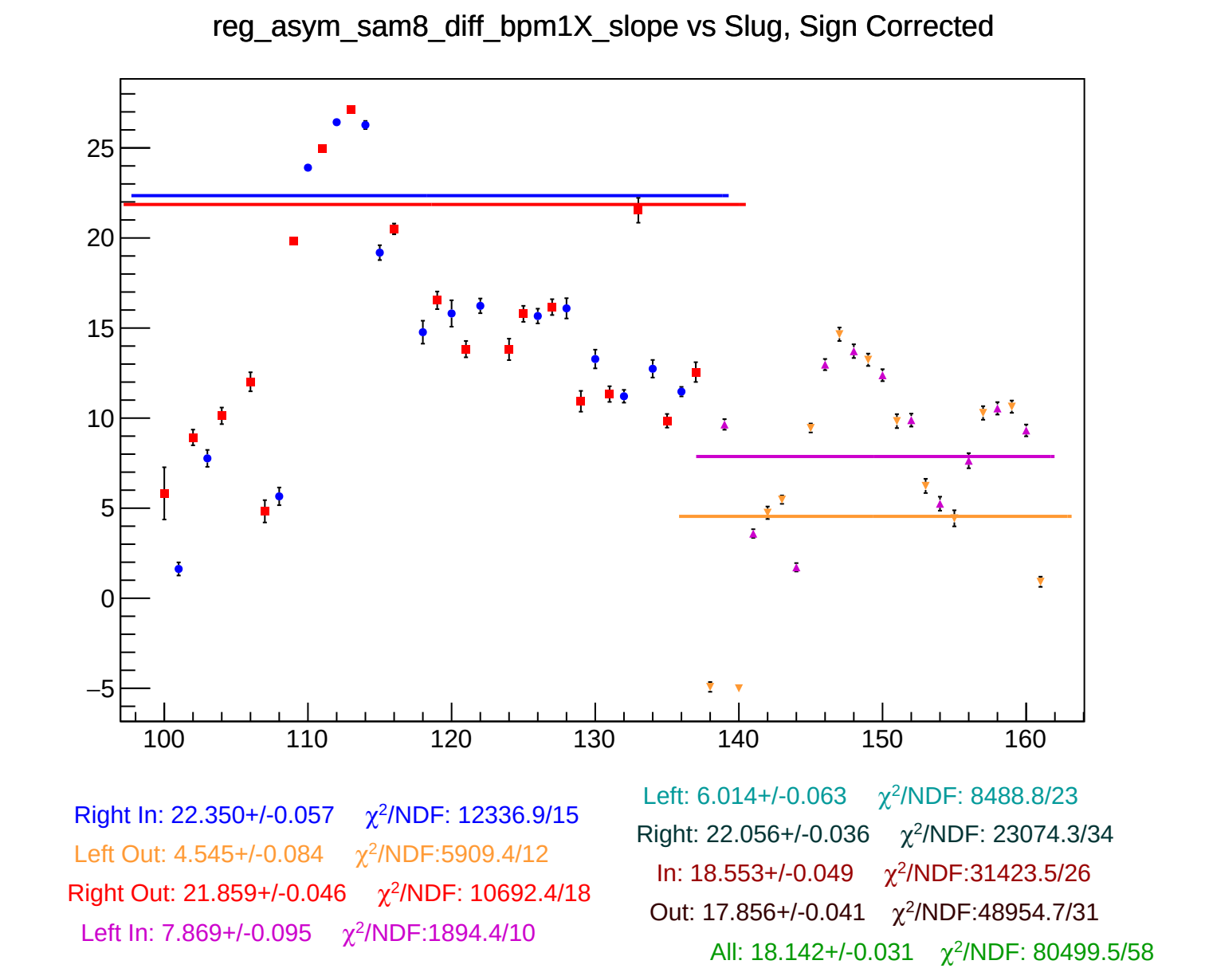
Left: 0.412+/-0.003 χ^2/NDF: 350.2/23

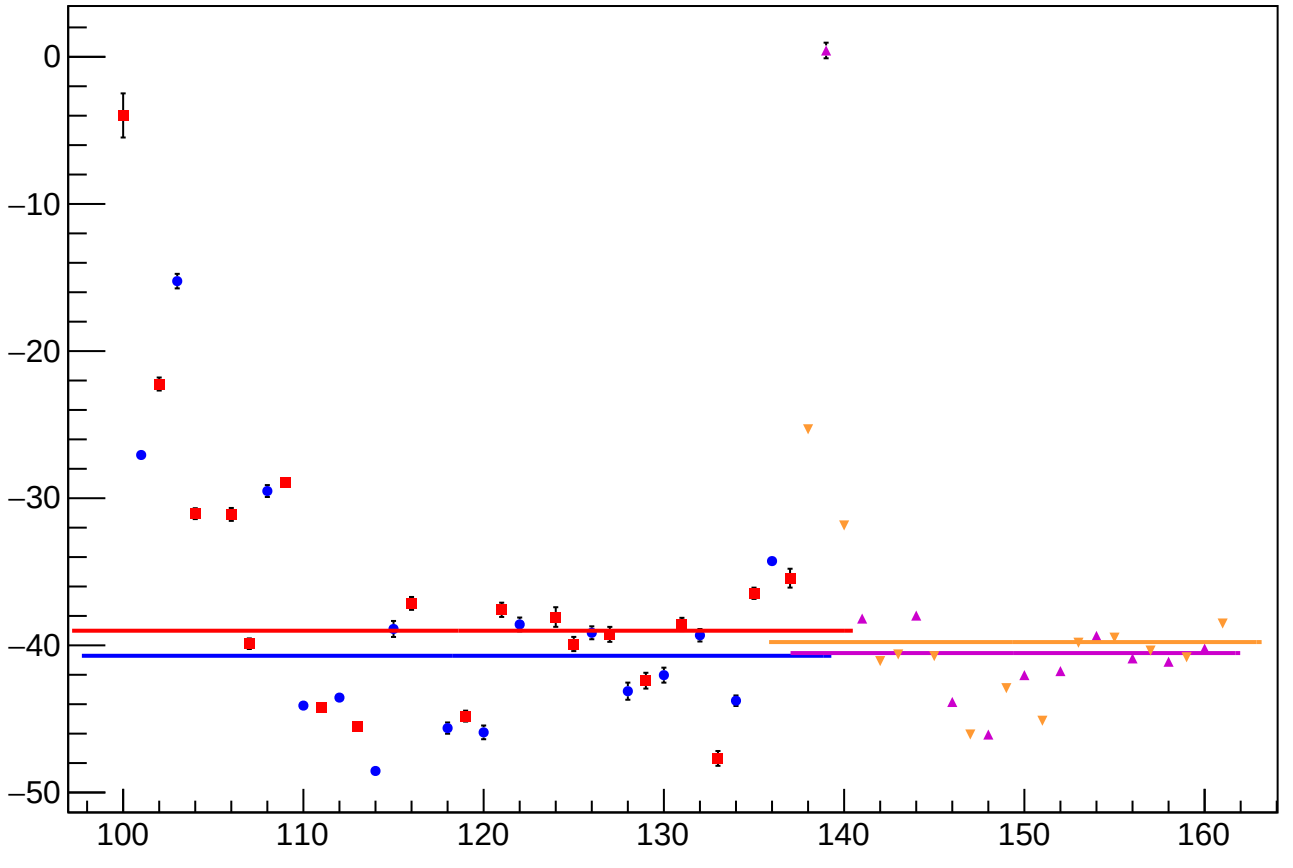
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.354+/-0.004 χ^2/NDF:3137.4/26

Out: 0.374+/-0.004 χ^2/NDF:4320.2/31

All: 0.365+/-0.003 χ^2/NDF: 7472.3/58


reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 22.350+/-0.057 χ²/NDF: 12336.9/15
Left Out: 4.545+/-0.084 χ²/NDF:5909.4/12
Right Out: 21.859+/-0.046 χ²/NDF: 10692.4/18
Left In: 7.869+/-0.095 χ²/NDF:1894.4/10
Left: 6.014+/-0.063 χ²/NDF: 8488.8/23
Right: 22.056+/-0.036 χ²/NDF: 23074.3/34
In: 18.553+/-0.049 χ²/NDF:31423.5/26
Out: 17.856+/-0.041 χ²/NDF:48954.7/31
All: 18.142+/-0.031 χ²/NDF: 80499.5/58



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.777+/-0.059 χ^2/NDF:7378.7/12

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.524+/-0.065 χ^2/NDF:7706.7/10

Left: -40.111+/-0.044 χ^2/NDF: 15157.3/23

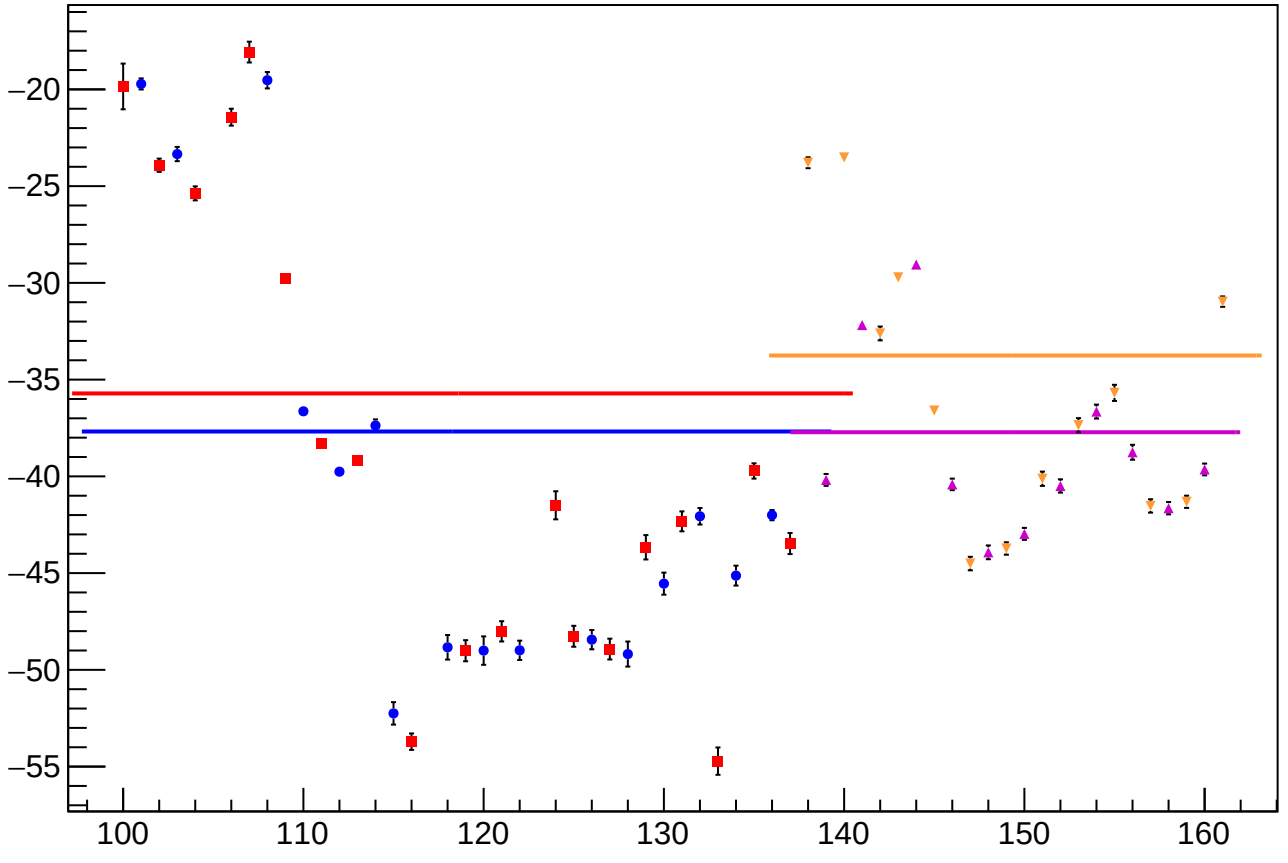
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.602+/-0.050 χ^2/NDF:15490.4/26

Out: -39.462+/-0.045 χ^2/NDF:17549.9/31

All: -39.980+/-0.034 χ^2/NDF: 33327.2/58

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.753+/-0.083 χ^2/NDF:7339.9/12

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -37.718+/-0.092 χ^2/NDF:2814.0/10

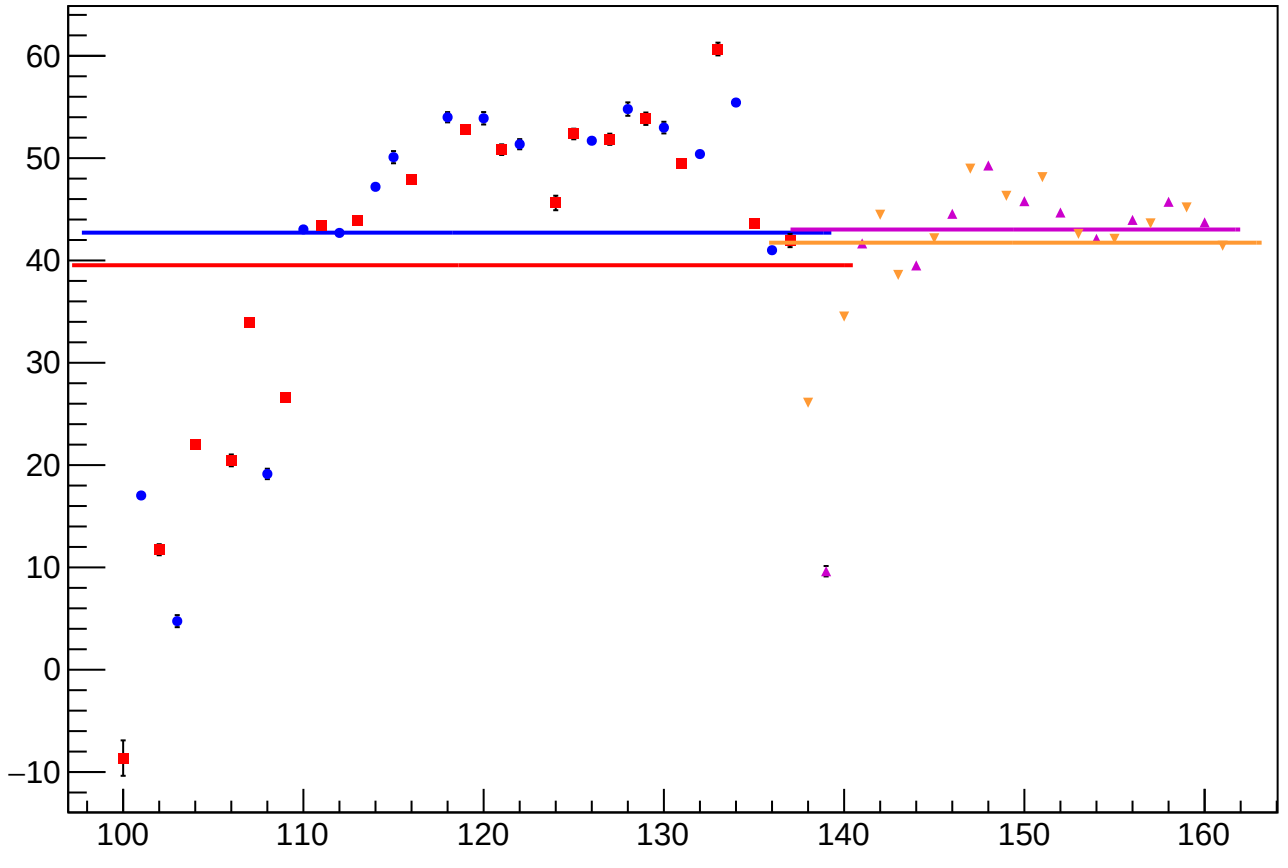
Left: -35.530+/-0.062 χ^2/NDF: 11171.1/23

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.695+/-0.058 χ^2/NDF:13668.0/26

Out: -34.981+/-0.051 χ^2/NDF:20961.7/31

All: -36.170+/-0.038 χ^2/NDF: 35876.7/58



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.738+/-0.069 χ^2/NDF:6253.7/12

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 43.024+/-0.077 χ^2/NDF:5612.1/10

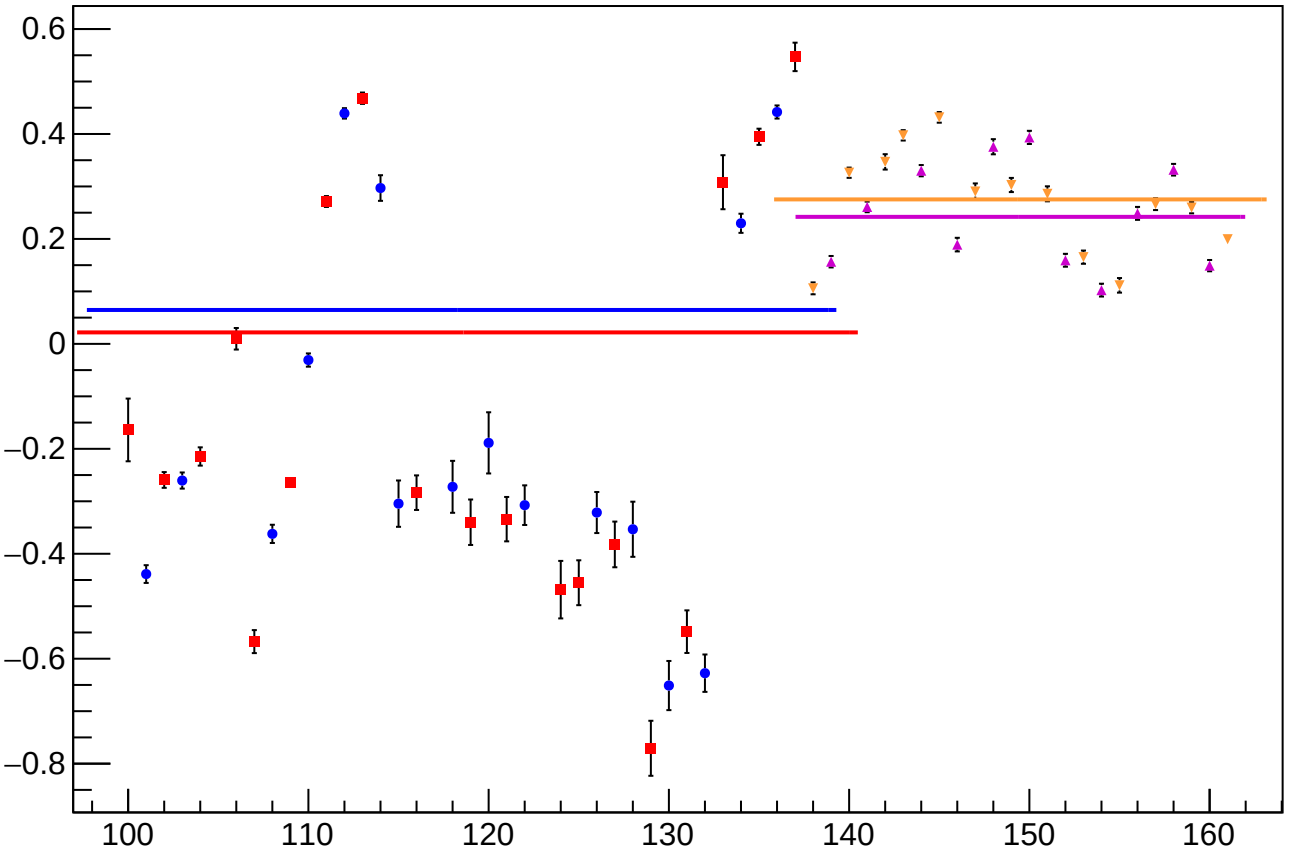
Left: 42.314+/-0.052 χ^2/NDF: 12019.7/23

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.886+/-0.057 χ^2/NDF:20384.2/26

Out: 40.766+/-0.052 χ^2/NDF:24676.5/31

All: 41.725+/-0.038 χ^2/NDF: 45815.7/58



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.275+/-0.003 χ^2/NDF:950.8/12

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.242+/-0.004 χ^2/NDF:694.6/10

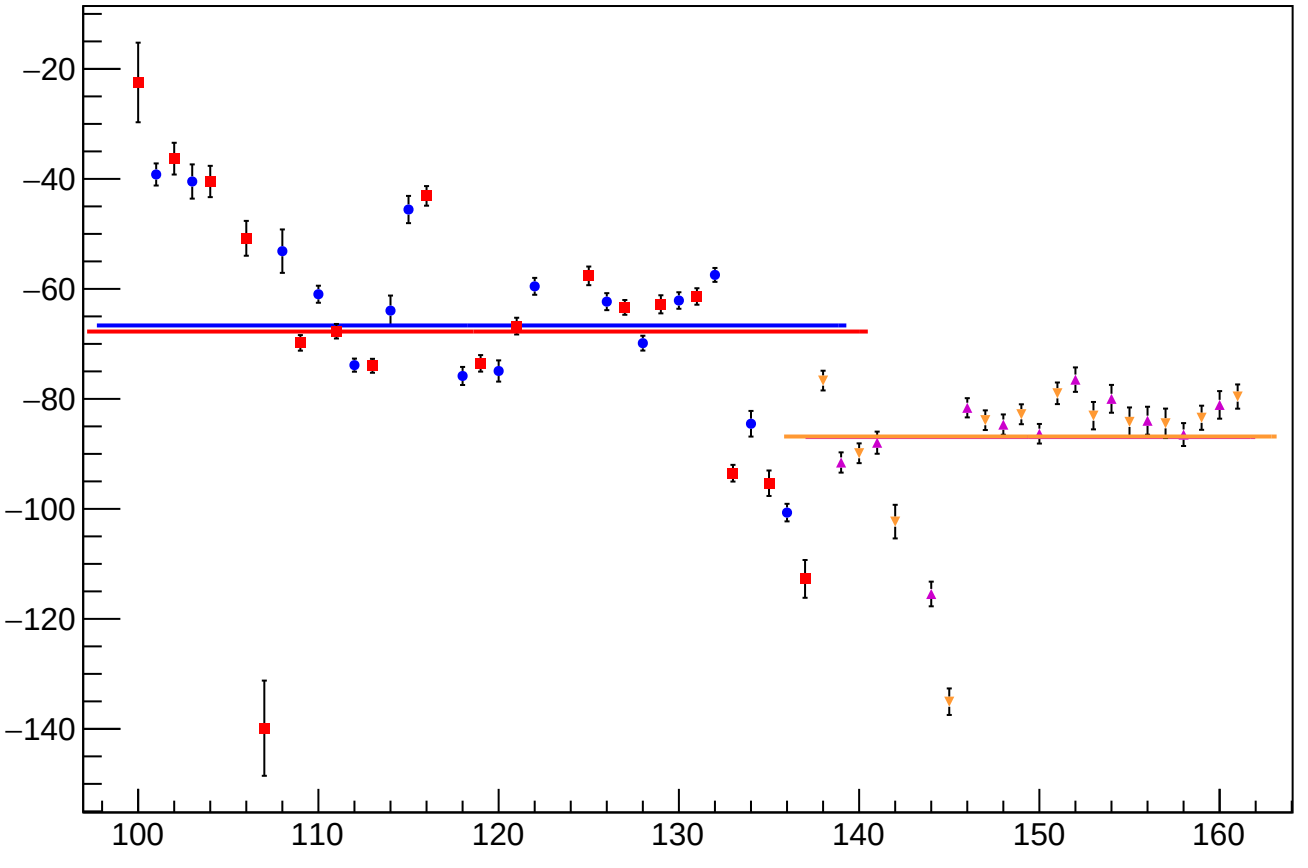
Left: 0.260+/-0.002 χ^2/NDF: 1693.9/23

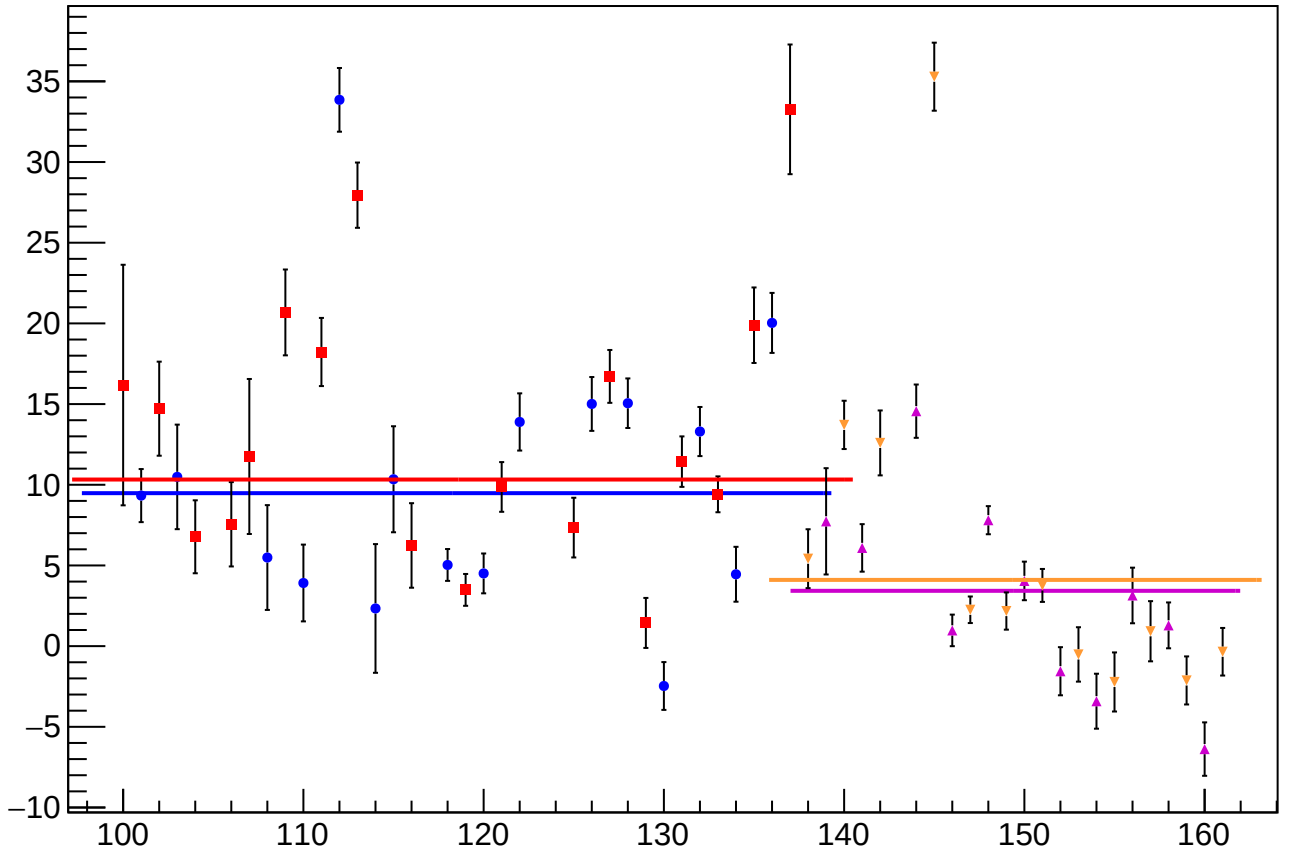
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.181+/-0.003 χ^2/NDF:7070.3/26

Out: 0.186+/-0.003 χ^2/NDF:9522.8/31

All: 0.184+/-0.002 χ^2/NDF: 16595.3/58


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -86.840+/-0.616 χ²/NDF:501.8/11
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -86.939+/-0.623 χ²/NDF:215.7/10
Left: -86.889+/-0.438 χ²/NDF: 717.5/22
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.121+/-0.352 χ²/NDF:1991.5/26
Out: -73.801+/-0.347 χ²/NDF:2413.0/29
All: -73.466+/-0.247 χ²/NDF: 4406.4/56



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.104+/-0.400 χ^2/NDF:335.3/11

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.428+/-0.409 χ^2/NDF:146.9/10

Left: 3.774+/-0.286 χ^2/NDF: 483.6/22

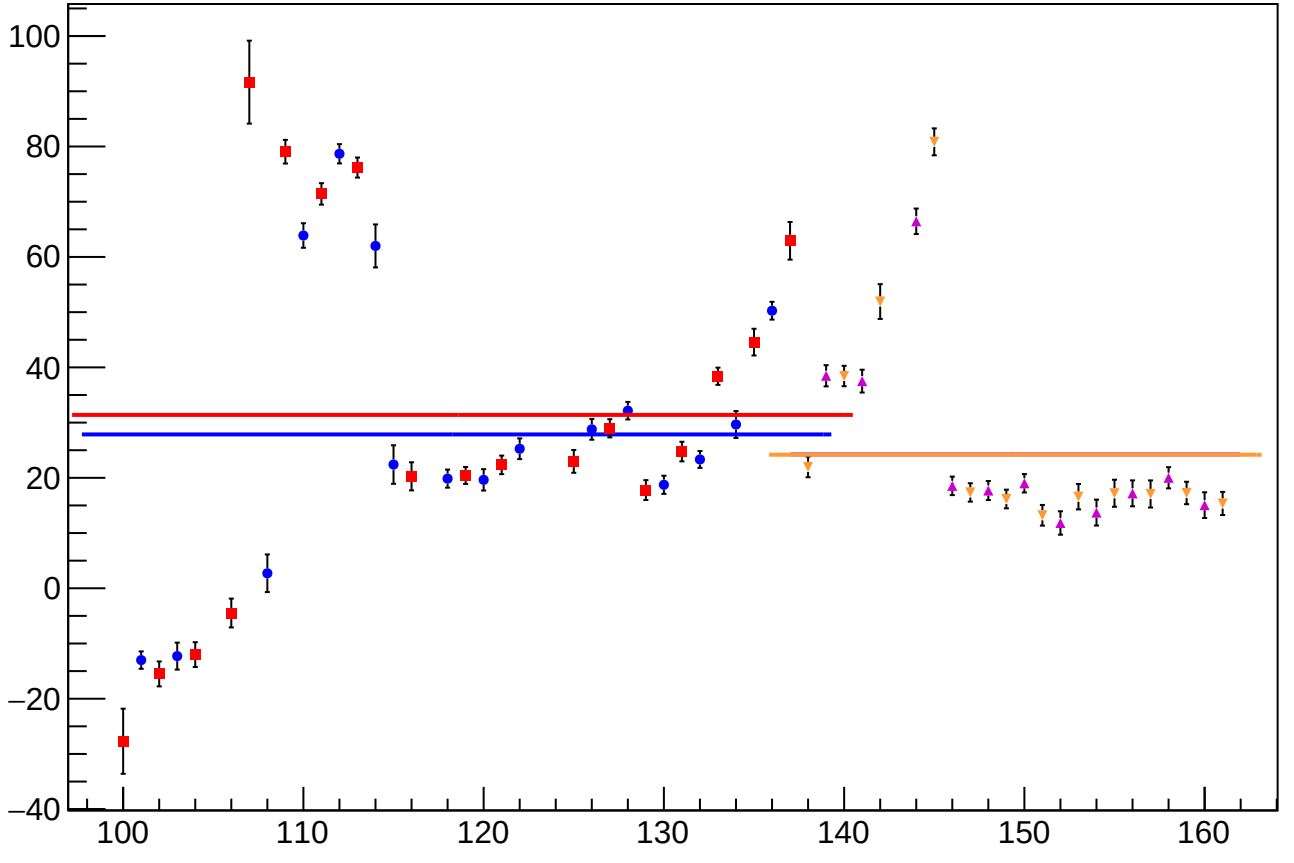
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 6.317+/-0.296 χ^2/NDF:593.2/26

Out: 6.948+/-0.295 χ^2/NDF:709.4/29

All: 6.634+/-0.209 χ^2/NDF: 1304.9/56

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 24.184+/-0.594 χ^2/NDF:807.7/11

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 24.239+/-0.599 χ^2/NDF:550.3/10

Left: 24.211+/-0.422 χ^2/NDF: 1358.1/22

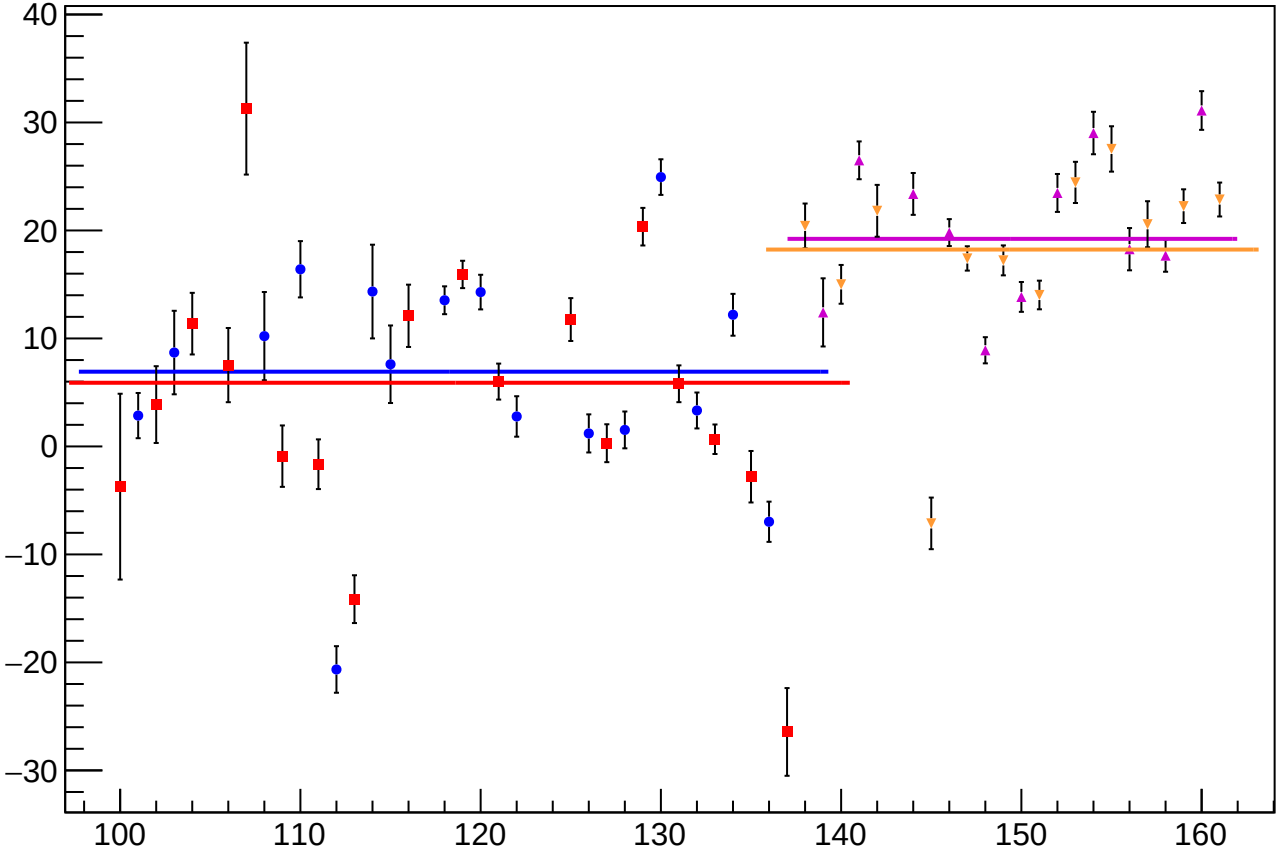
Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 26.435+/-0.376 χ^2/NDF:3046.5/26

Out: 28.493+/-0.377 χ^2/NDF:3907.1/29

All: 27.461+/-0.266 χ^2/NDF: 6968.6/56

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.232+/-0.482 χ^2/NDF:177.1/11

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.223+/-0.491 χ^2/NDF:190.4/10

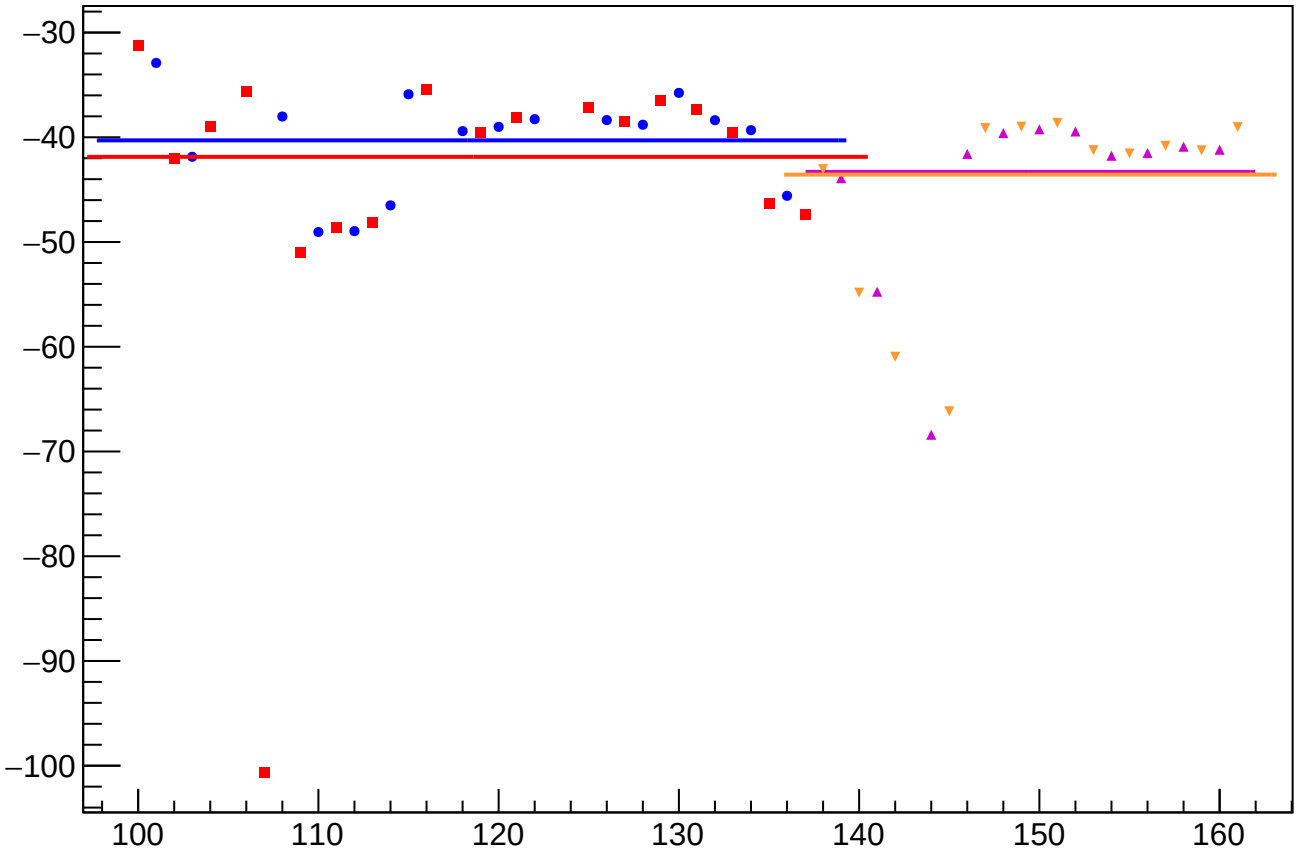
Left: 18.718+/-0.344 χ^2/NDF: 369.6/22

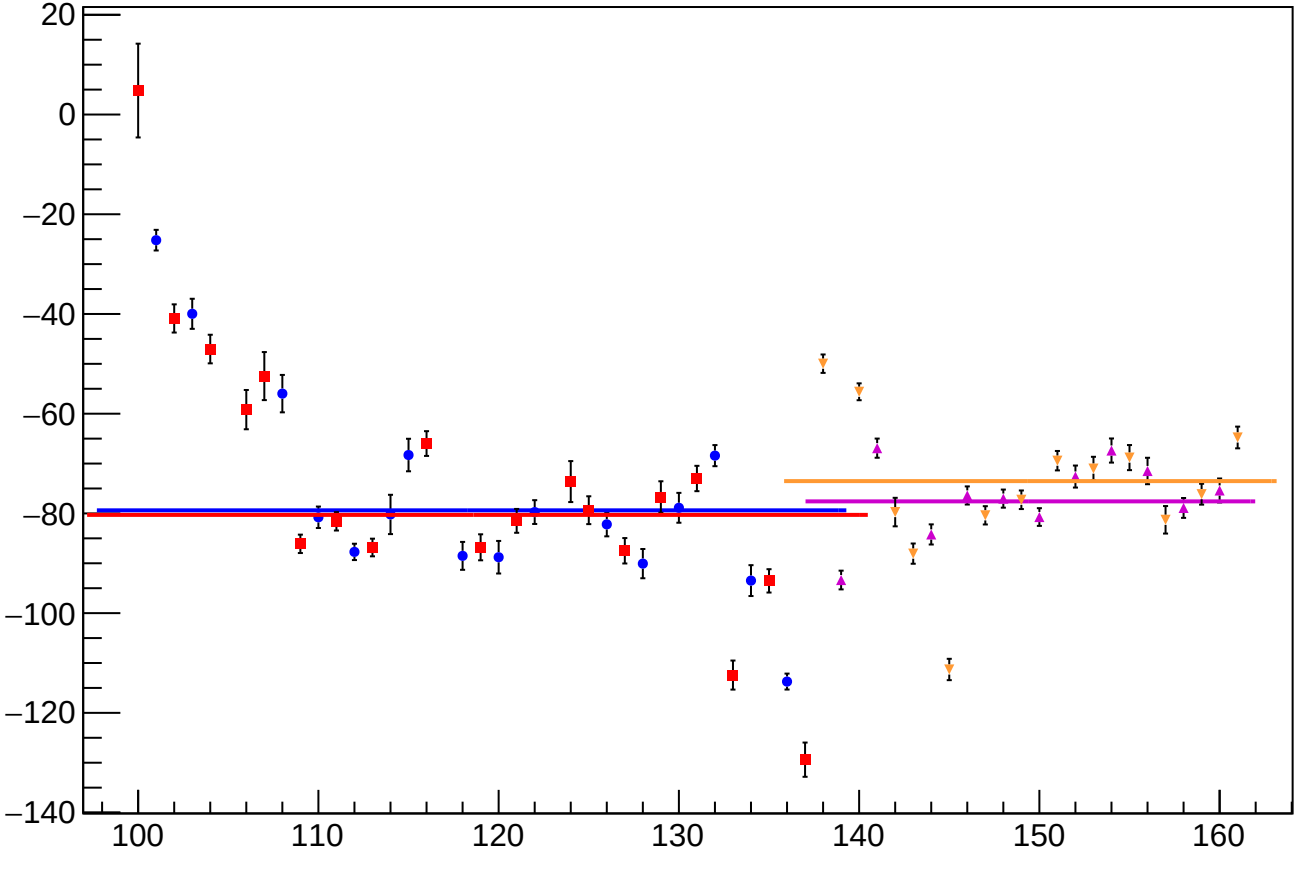
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.126+/-0.349 χ^2/NDF:945.5/26

Out: 12.311+/-0.348 χ^2/NDF:859.1/29

All: 12.717+/-0.246 χ^2/NDF: 1807.3/56


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -43.565+/-0.023 χ²/NDF:111798.0/11
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -43.304+/-0.023 χ²/NDF:89391.2/10
Left: -43.434+/-0.016 χ²/NDF: 201255.0/22
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.272+/-0.018 χ²/NDF:116099.6/26
Out: -42.994+/-0.019 χ²/NDF:172389.4/29
All: -42.628+/-0.013 χ²/NDF: 289249.6/56



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.520+/-0.579 χ^2/NDF:695.2/12

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -77.585+/-0.613 χ^2/NDF:145.1/10

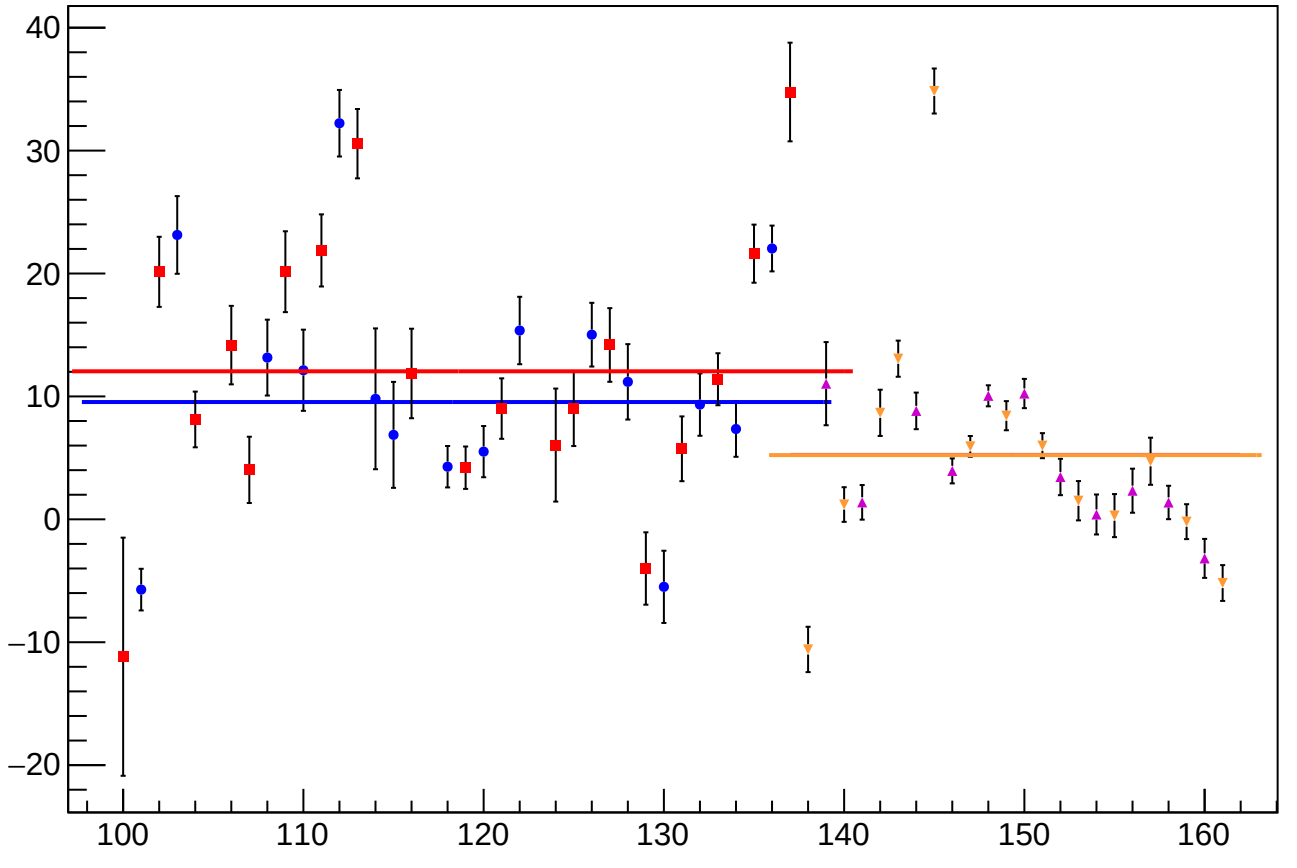
Left: -75.438+/-0.421 χ^2/NDF: 863.5/23

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -78.486+/-0.433 χ^2/NDF:1625.3/26

Out: -76.765+/-0.418 χ^2/NDF:1675.4/31

All: -77.596+/-0.301 χ^2/NDF: 3308.9/58



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 5.225+/-0.381 χ^2/NDF:462.5/12

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 5.241+/-0.403 χ^2/NDF:116.2/10

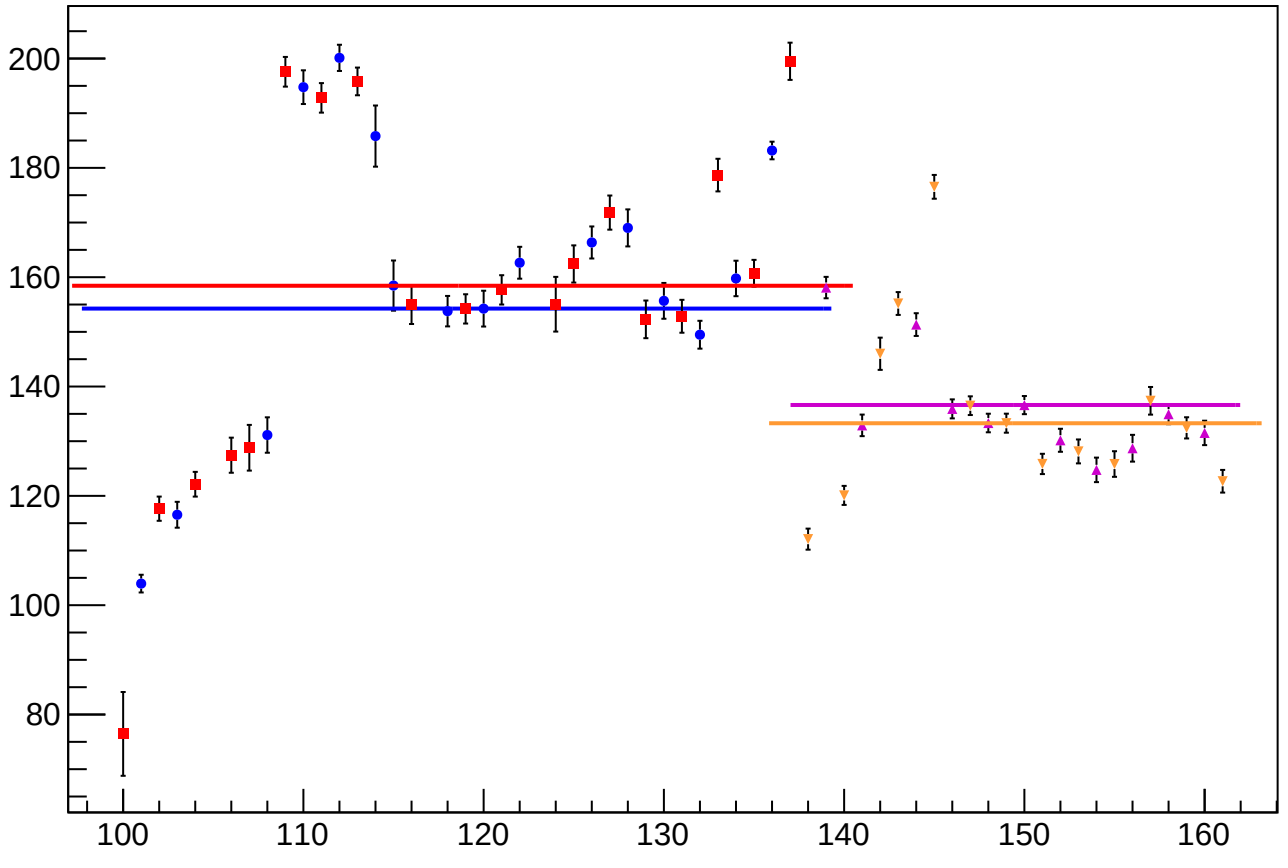
Left: 5.233+/-0.277 χ^2/NDF: 578.7/23

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 6.514+/-0.338 χ^2/NDF:417.1/26

Out: 7.024+/-0.327 χ^2/NDF:742.7/31

All: 6.777+/-0.235 χ^2/NDF: 1160.9/58



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 133.282+/-0.562 χ^2/NDF:766.1/12

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 136.624+/-0.590 χ^2/NDF:231.6/10

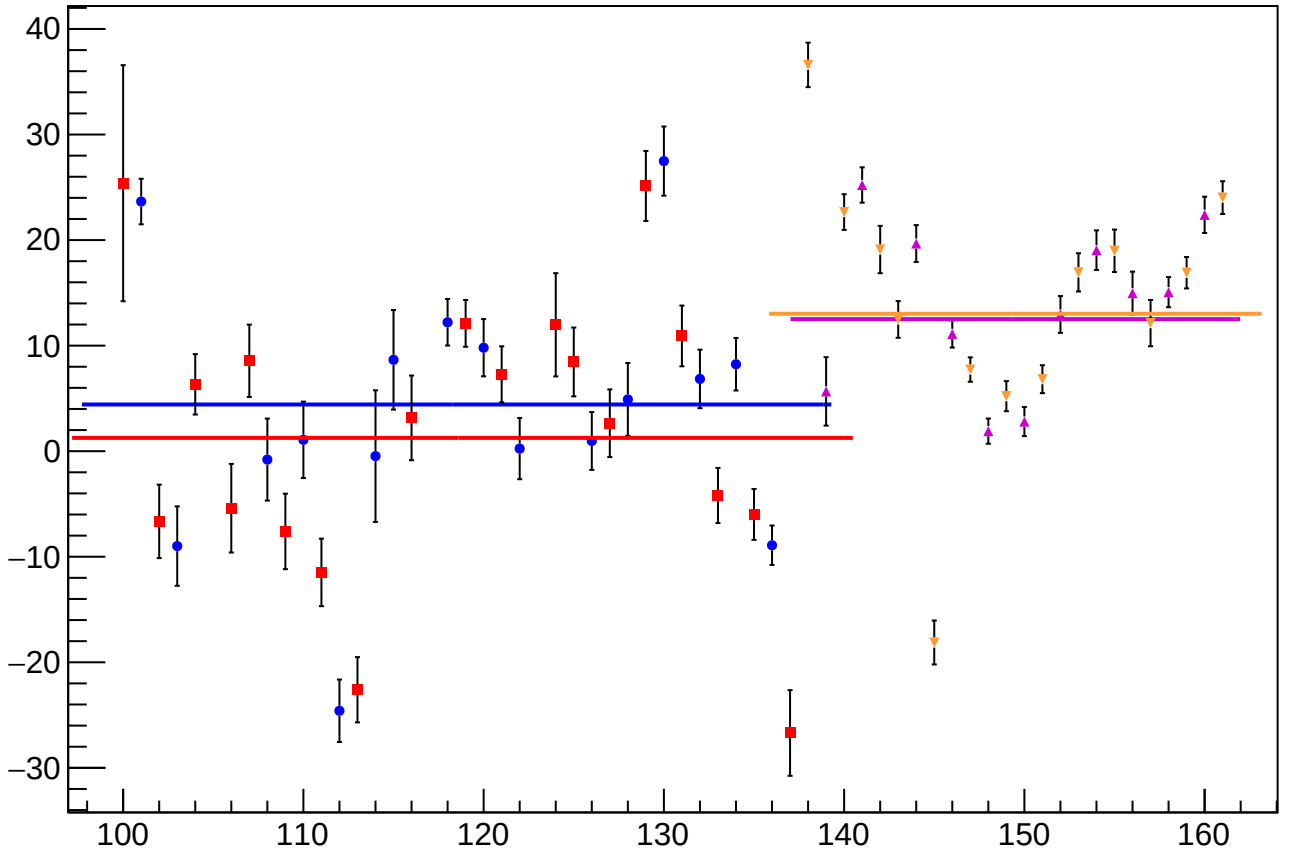
Left: 134.874+/-0.407 χ^2/NDF: 1014.5/23

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 144.429+/-0.440 χ^2/NDF:2841.3/26

Out: 143.450+/-0.434 χ^2/NDF:3239.2/31

All: 143.933+/-0.309 χ^2/NDF: 6083.0/58



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 13.019+/-0.458 χ^2/NDF:532.5/12

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 12.512+/-0.483 χ^2/NDF:258.9/10

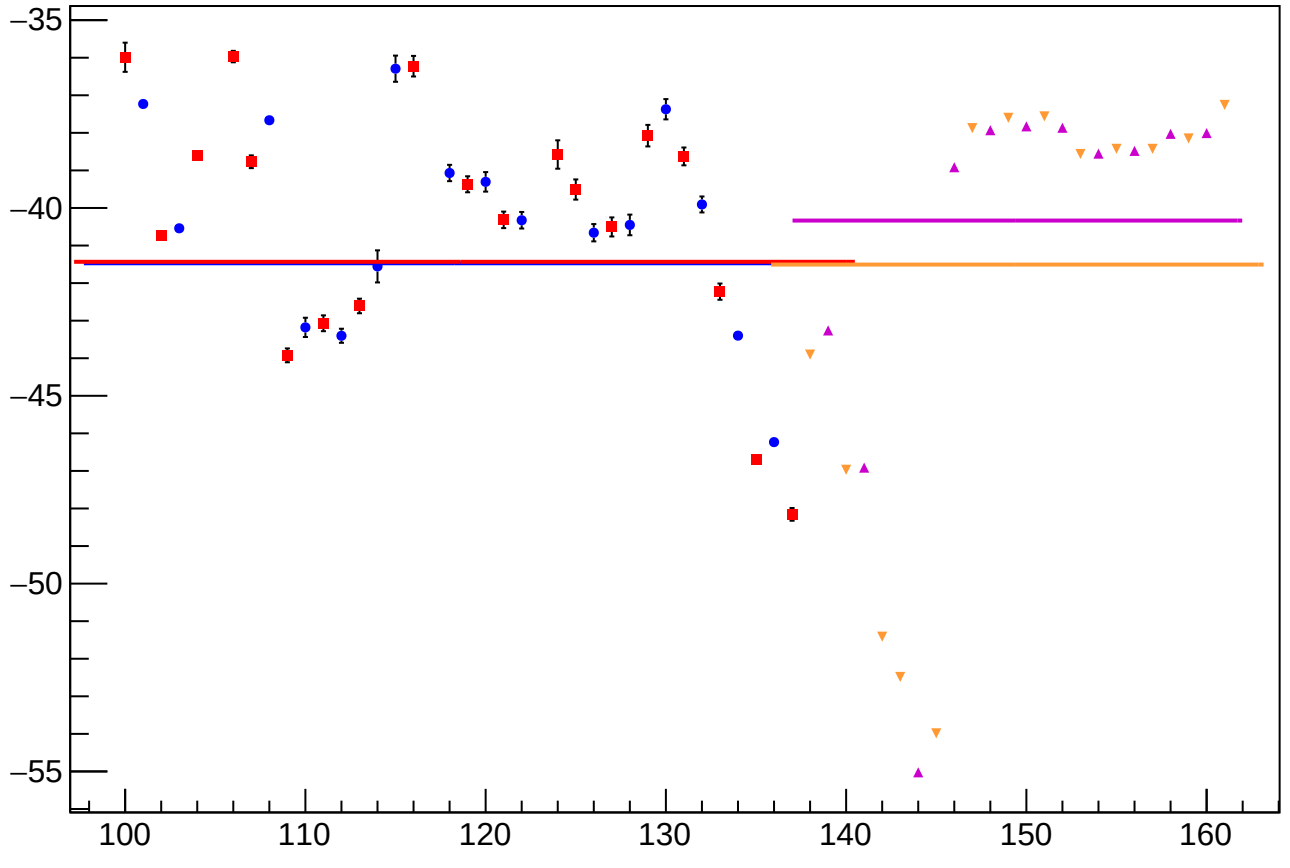
Left: 12.779+/-0.332 χ^2/NDF: 792.0/23

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.974+/-0.400 χ^2/NDF:663.0/26

Out: 9.711+/-0.388 χ^2/NDF:983.1/31

All: 9.839+/-0.279 χ^2/NDF: 1646.3/58



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.507+/-0.022 χ^2/NDF:68063.6/12

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.335+/-0.022 χ^2/NDF:40568.7/10

Left: -40.937+/-0.016 χ^2/NDF: 110043.8/23

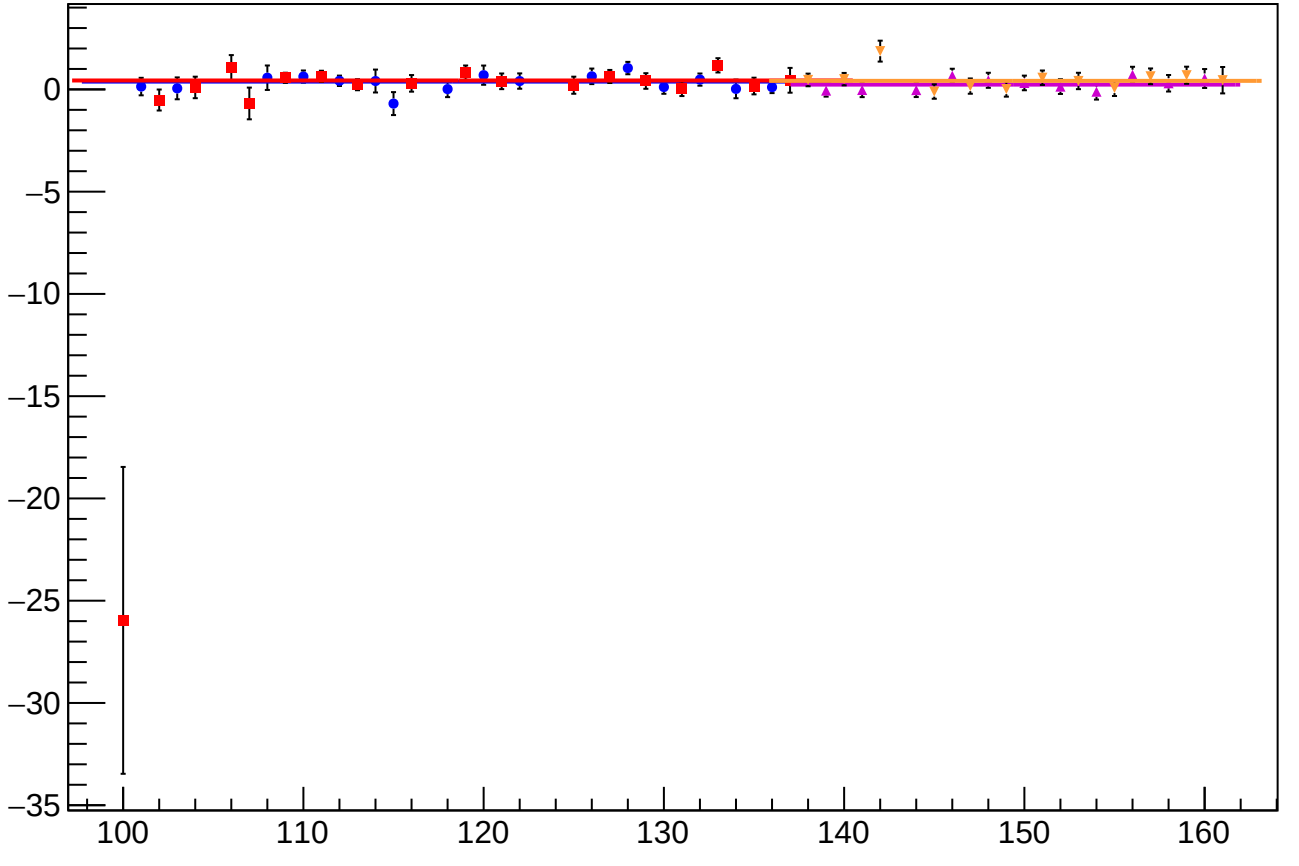
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.626+/-0.019 χ^2/NDF:49142.6/26

Out: -41.490+/-0.019 χ^2/NDF:76291.7/31

All: -41.063+/-0.014 χ^2/NDF: 126449.0/58

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.418+/-0.110 χ^2/NDF:13.8/11

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.235+/-0.109 χ^2/NDF:7.0/10

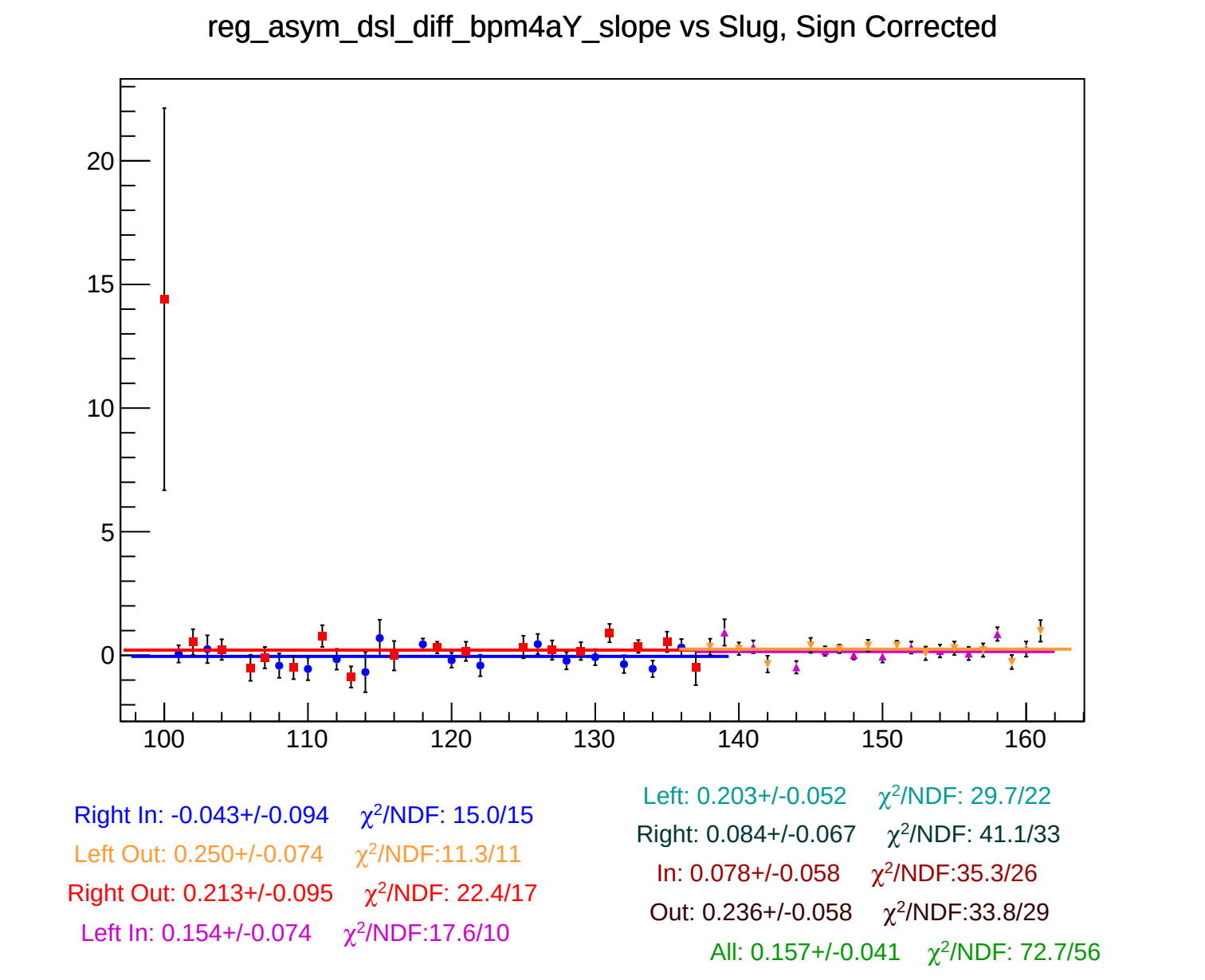
Left: 0.326+/-0.077 χ^2/NDF: 22.1/22

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

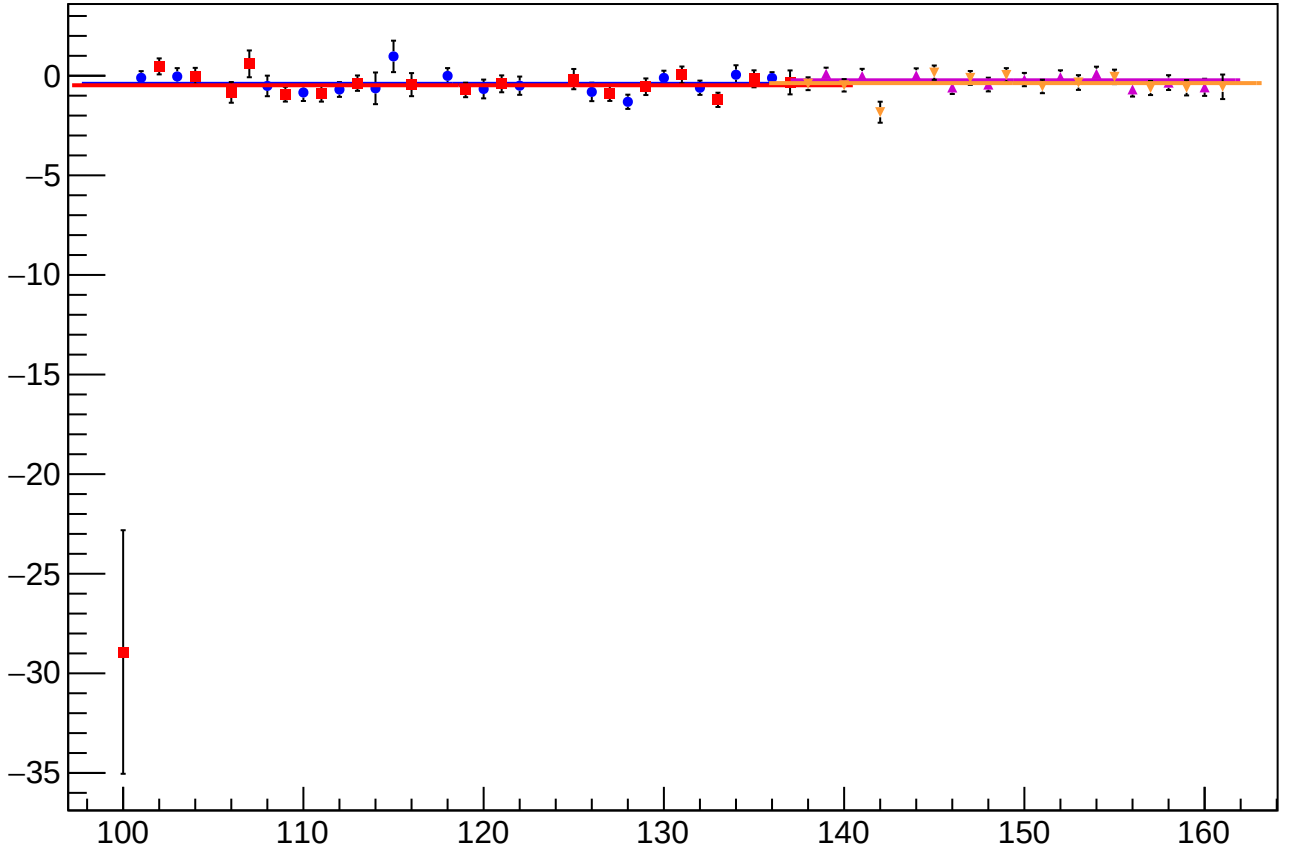
In: 0.321+/-0.070 χ^2/NDF:22.0/26

Out: 0.429+/-0.070 χ^2/NDF:42.8/29

All: 0.375+/-0.050 χ^2/NDF: 66.0/56


reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
110
120
130
140
150
160
Right In: -0.043+/-0.094 χ2/NDF: 15.0/15
Left Out: 0.250+/-0.074 χ2/NDF:11.3/11
Right Out: 0.213+/-0.095 χ2/NDF: 22.4/17
Left In: 0.154+/-0.074 χ2/NDF:17.6/10
Left: 0.203+/-0.052 χ2/NDF: 29.7/22
Right: 0.084+/-0.067 χ2/NDF: 41.1/33
In: 0.078+/-0.058 χ2/NDF:35.3/26
Out: 0.236+/-0.058 χ2/NDF:33.8/29
All: 0.157+/-0.041 χ2/NDF: 72.7/56

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.370+/-0.106 χ^2/NDF:13.8/11

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.229+/-0.106 χ^2/NDF:7.0/10

Left: -0.299+/-0.075 χ^2/NDF: 21.7/22

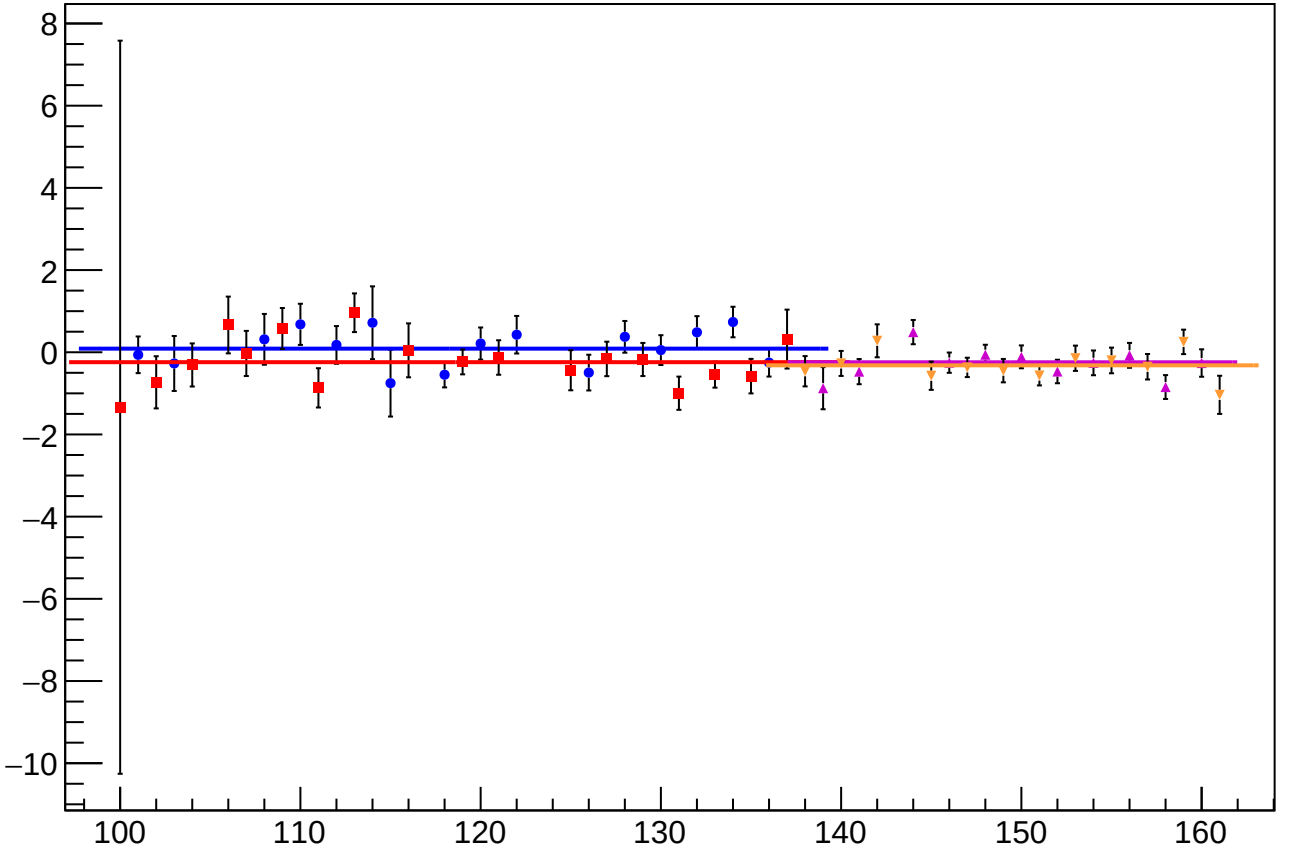
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.320+/-0.074 χ^2/NDF:26.2/26

Out: -0.425+/-0.074 χ^2/NDF:56.6/29

All: -0.372+/-0.052 χ^2/NDF: 83.8/56

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.318+/-0.089 χ^2/NDF:10.8/11

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.244+/-0.089 χ^2/NDF:14.3/10

Left: -0.281+/-0.063 χ^2/NDF: 25.4/22

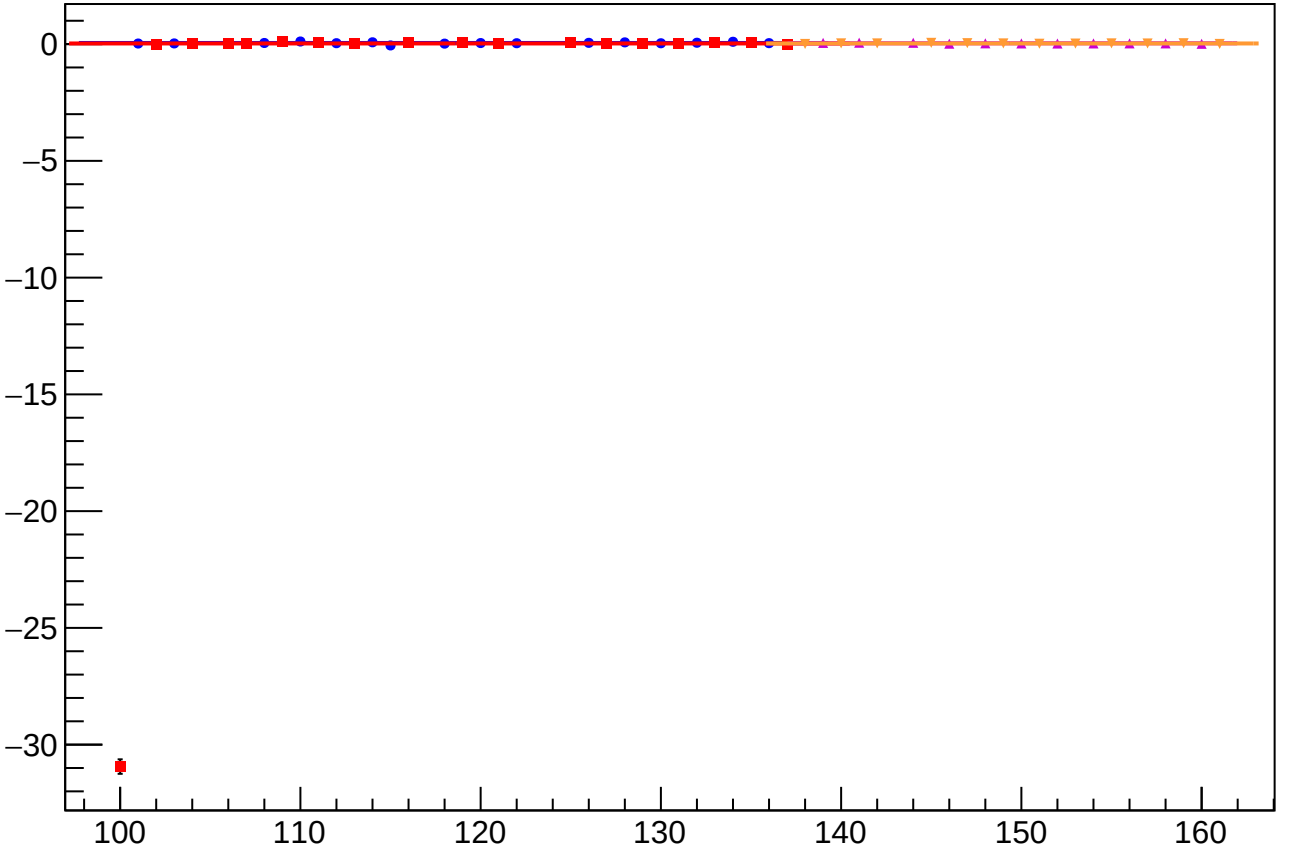
Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.111+/-0.069 χ^2/NDF:35.8/26

Out: -0.288+/-0.069 χ^2/NDF:30.7/29

All: -0.199+/-0.049 χ^2/NDF: 69.8/56

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:9.3/11

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.035+/-0.004 χ^2/NDF:11.9/10

Left: 0.031+/-0.003 χ^2/NDF: 22.9/22

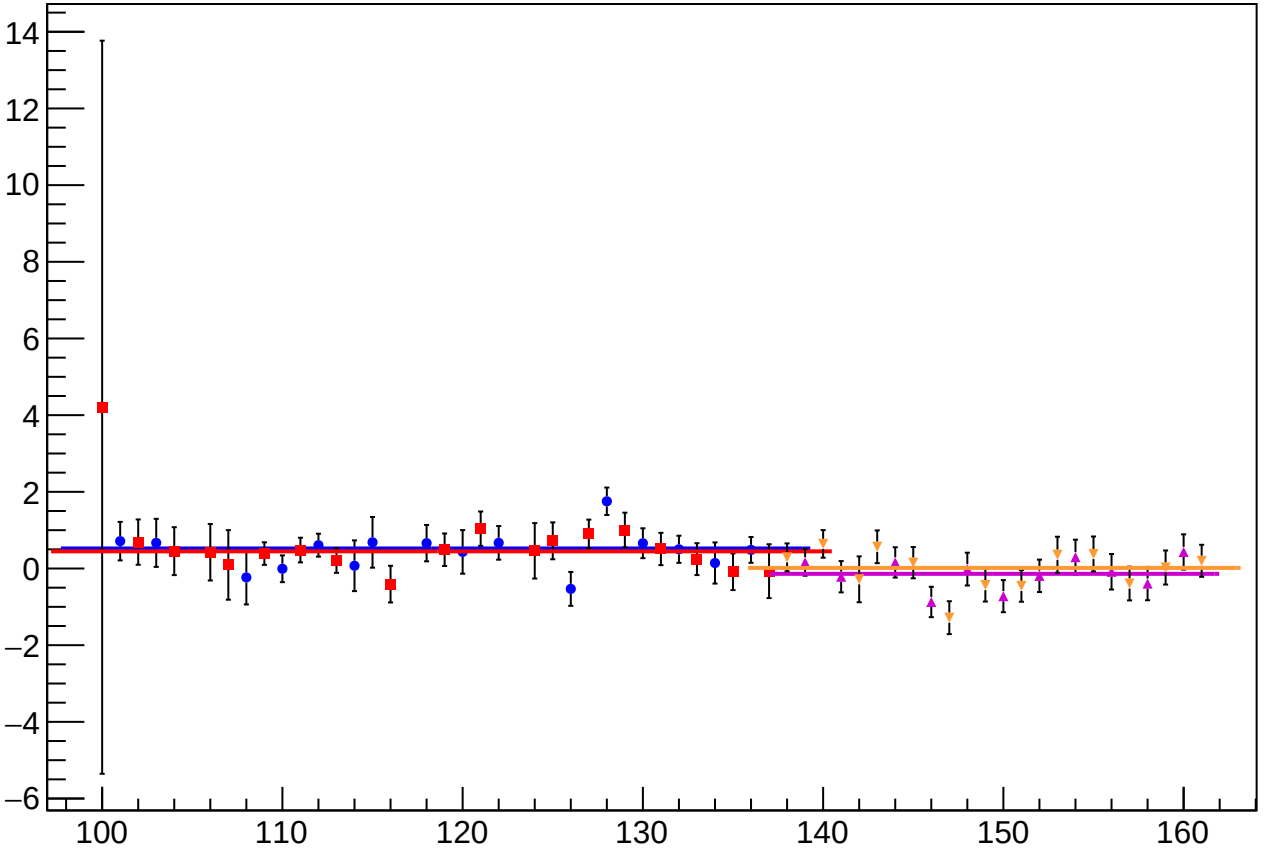
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:34.4/26

Out: 0.028+/-0.003 χ^2/NDF:10030.2/29

All: 0.033+/-0.002 χ^2/NDF: 10070.1/56

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.016+/-0.118 χ^2/NDF:19.4/12

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.139+/-0.126 χ^2/NDF:9.6/10

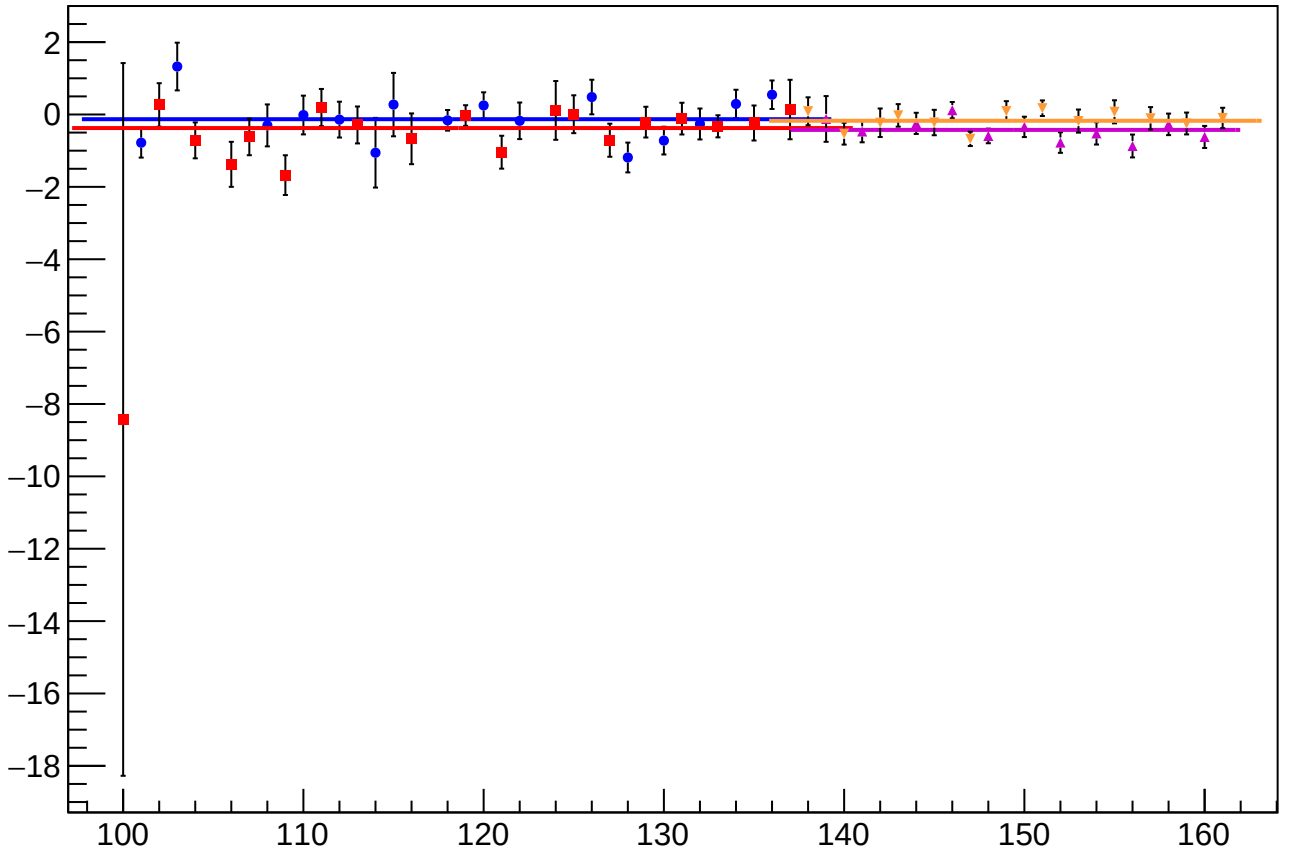
Left: -0.057+/-0.086 χ^2/NDF: 29.8/23

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.240+/-0.082 χ^2/NDF:48.1/26

Out: 0.257+/-0.079 χ^2/NDF:38.2/31

All: 0.249+/-0.057 χ^2/NDF: 86.3/58



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.174+/-0.080 χ^2/NDF:12.9/12

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.426+/-0.085 χ^2/NDF:11.5/10

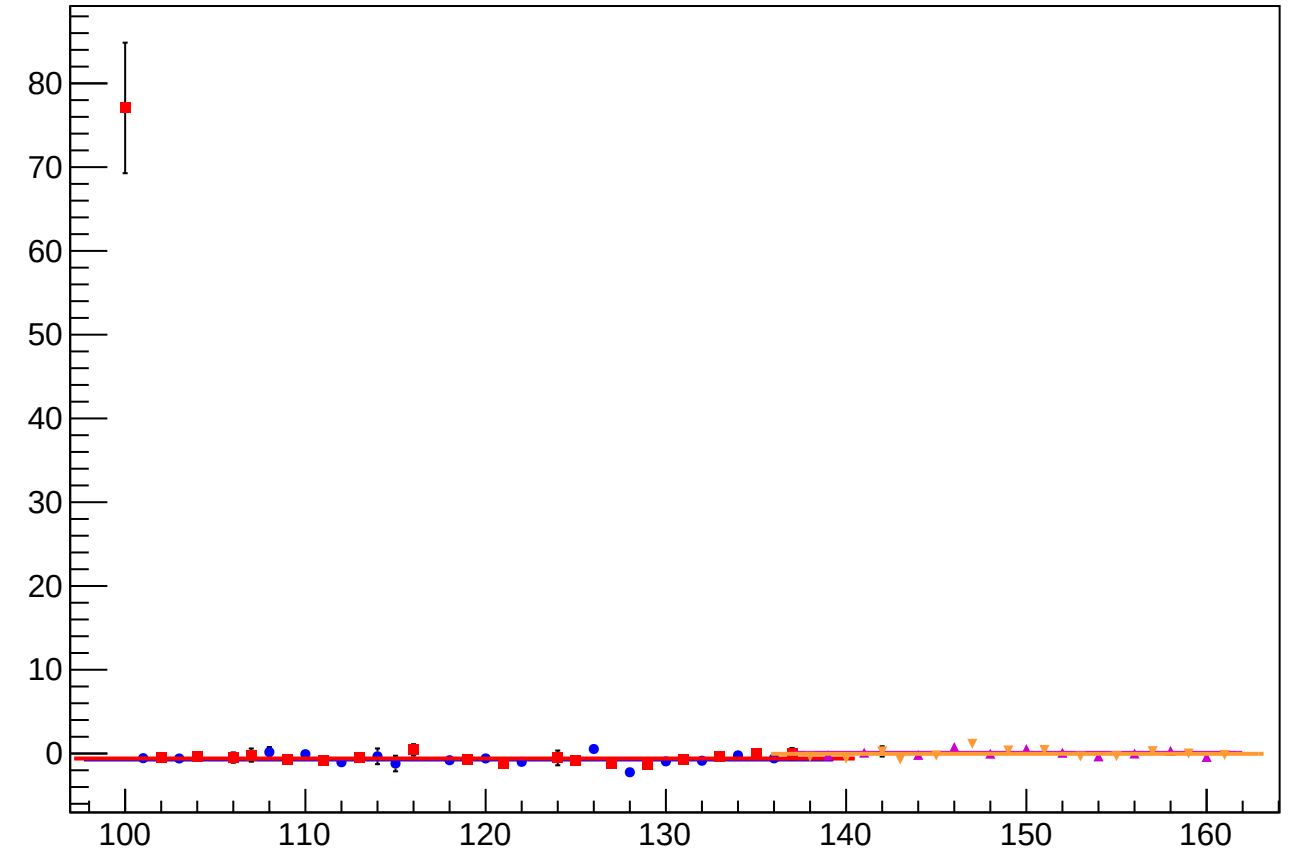
Left: -0.291+/-0.058 χ^2/NDF: 29.1/23

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.316+/-0.068 χ^2/NDF:40.5/26

Out: -0.242+/-0.065 χ^2/NDF:33.2/31

All: -0.278+/-0.047 χ^2/NDF: 74.4/58



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.035+/-0.115 χ^2/NDF:19.3/12

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.080+/-0.121 χ^2/NDF:8.3/10

Left: 0.020+/-0.083 χ^2/NDF: 28.1/23

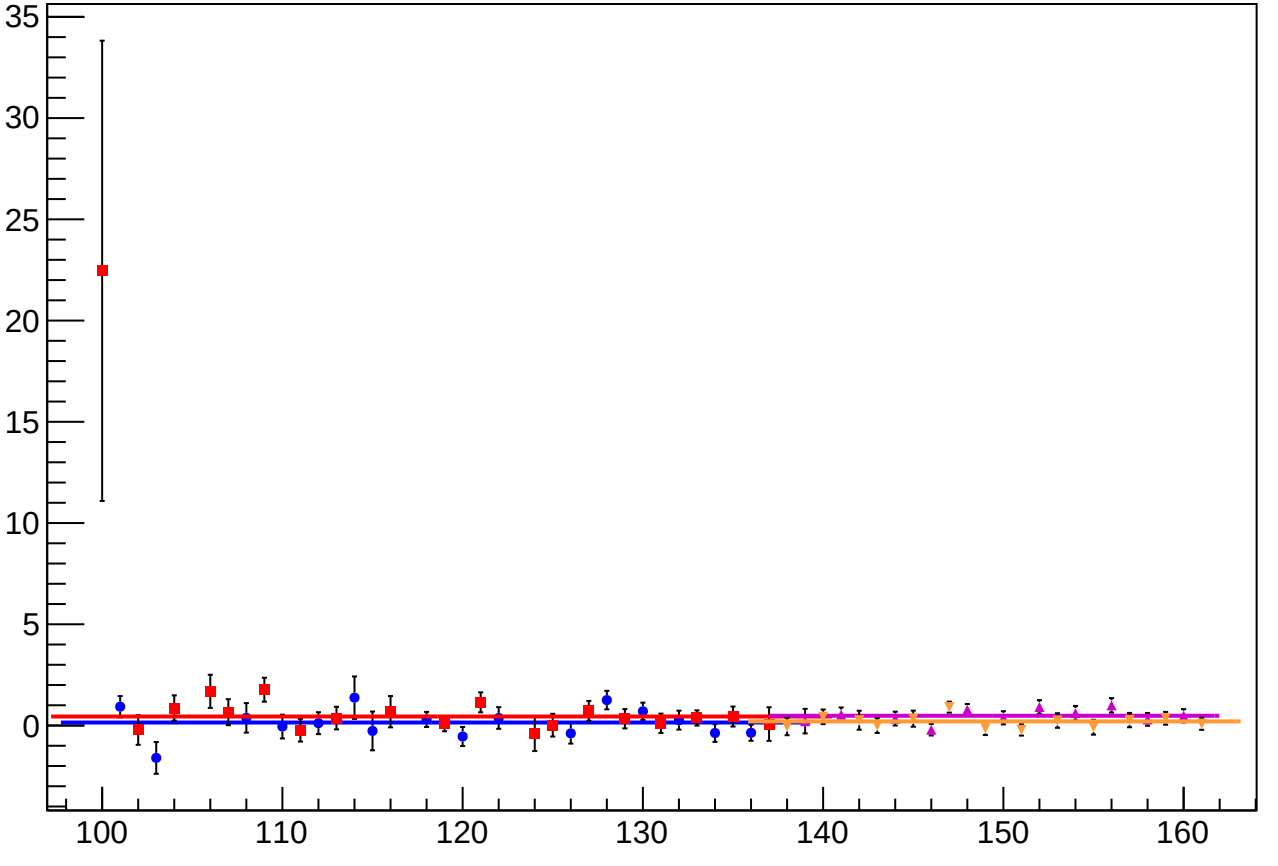
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.315+/-0.086 χ^2/NDF:54.6/26

Out: -0.300+/-0.084 χ^2/NDF:141.5/31

All: -0.307+/-0.060 χ^2/NDF: 196.1/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.204+/-0.095 χ^2/NDF:12.3/12

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.482+/-0.101 χ^2/NDF:11.6/10

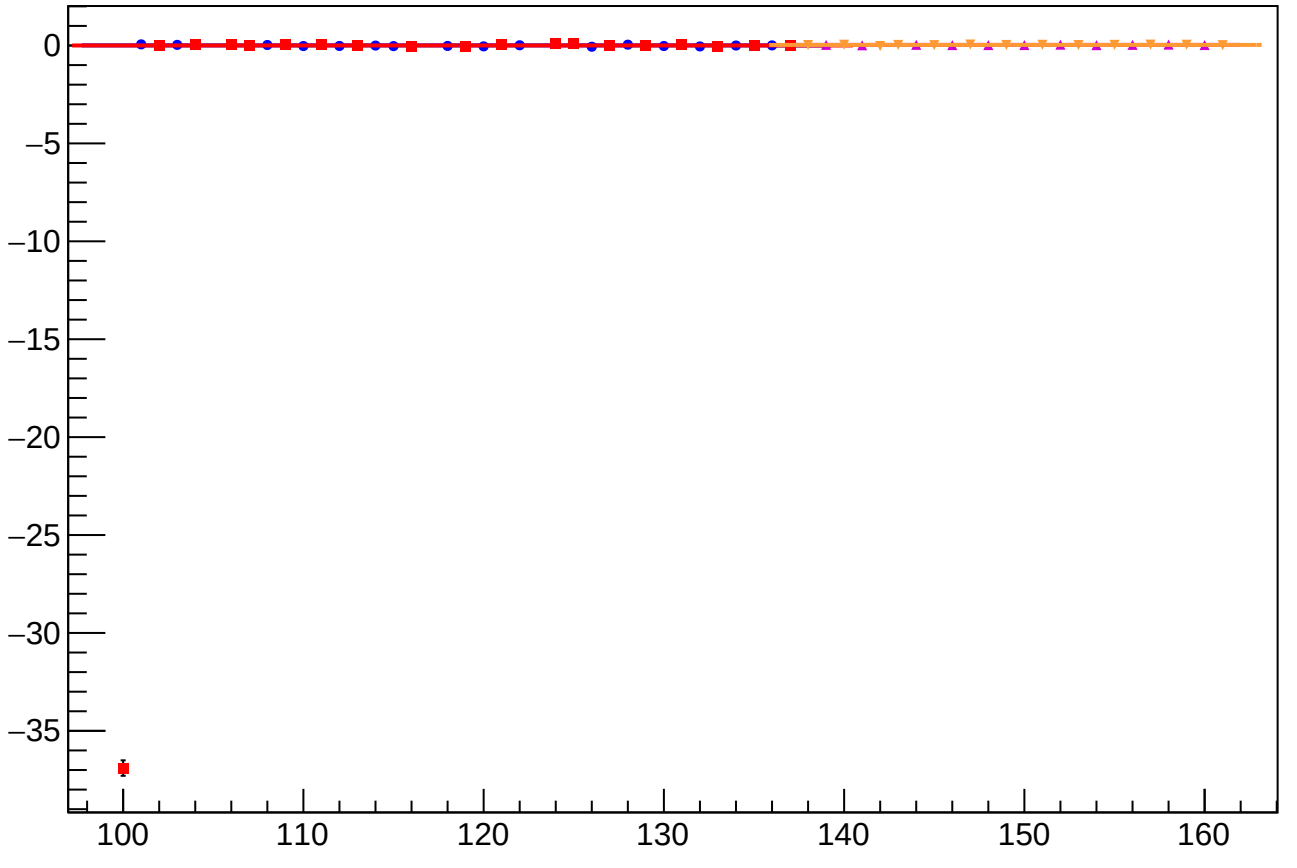
Left: 0.334+/-0.069 χ^2/NDF: 28.0/23

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.353+/-0.079 χ^2/NDF:39.1/26

Out: 0.289+/-0.076 χ^2/NDF:34.3/31

All: 0.320+/-0.055 χ^2/NDF: 73.7/58



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.029+/-0.004 χ^2/NDF:10.3/12

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.030+/-0.005 χ^2/NDF:5.2/10

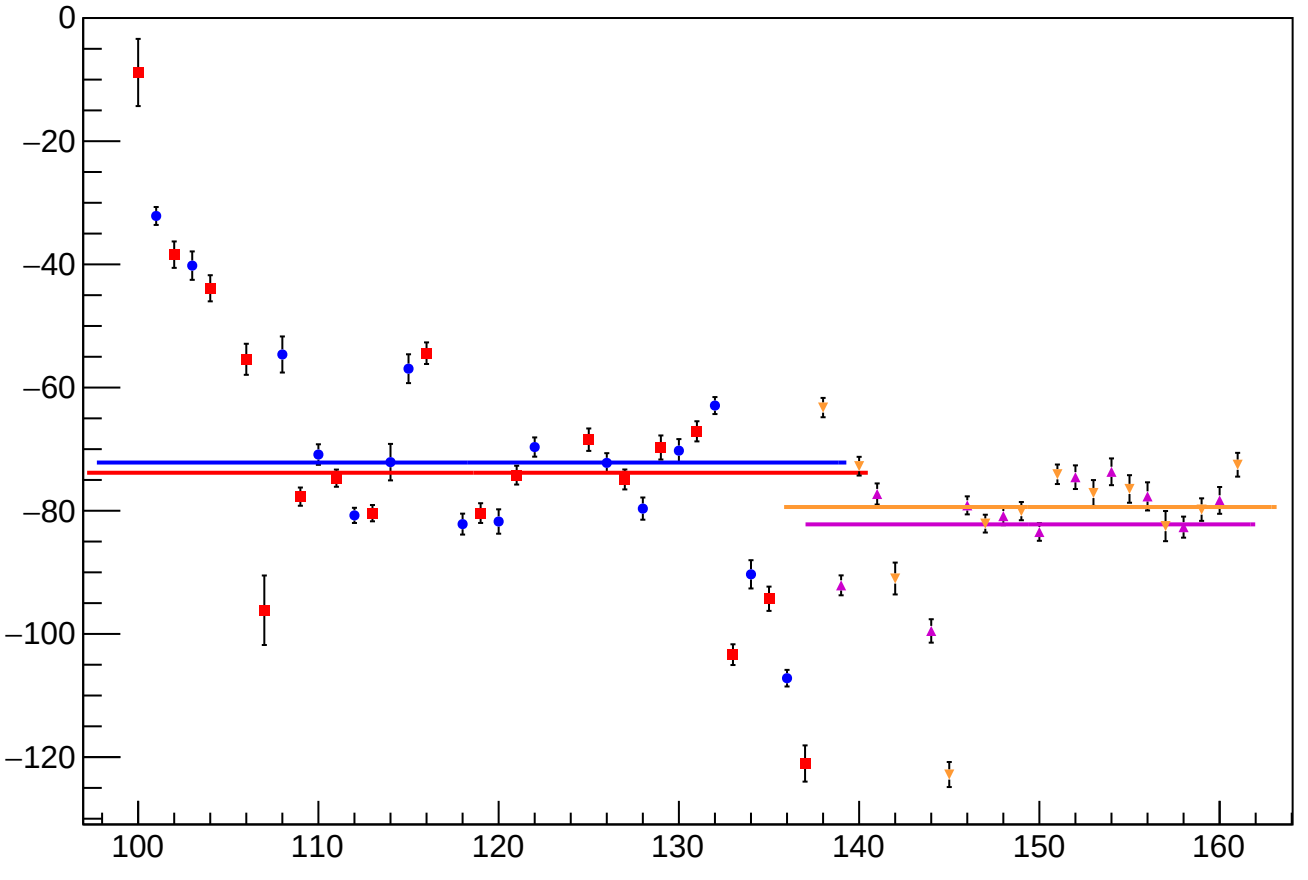
Left: 0.030+/-0.003 χ^2/NDF: 15.5/23

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:30.5/26

Out: 0.022+/-0.004 χ^2/NDF:8773.4/31

All: 0.023+/-0.003 χ^2/NDF: 8803.9/58



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.394+/-0.518 χ^2/NDF:633.9/11

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -82.212+/-0.524 χ^2/NDF:173.1/10

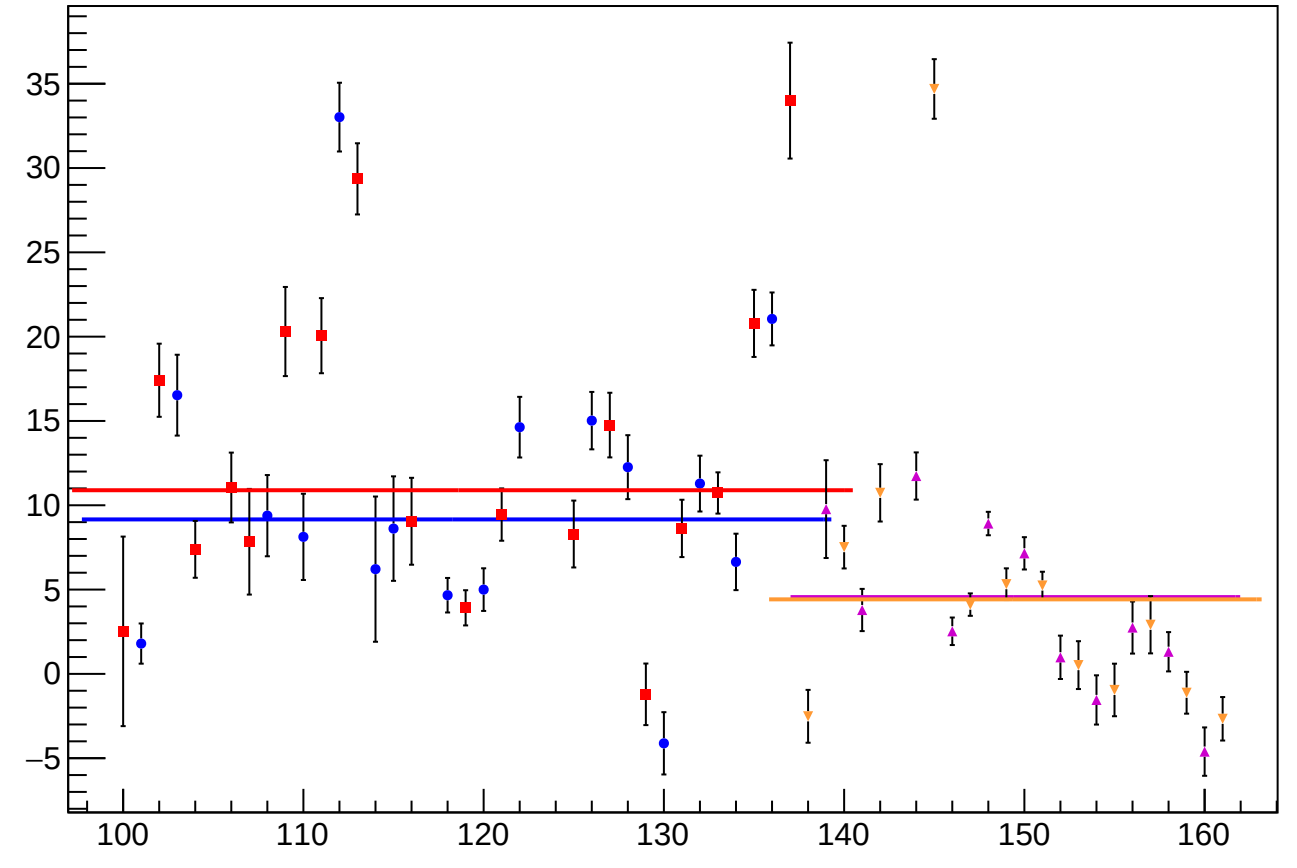
Left: -80.787+/-0.368 χ^2/NDF: 821.6/22

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -76.236+/-0.333 χ^2/NDF:2327.7/26

Out: -76.103+/-0.331 χ^2/NDF:2259.7/29

All: -76.169+/-0.235 χ^2/NDF: 4587.5/56



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 4.420+/-0.332 χ^2/NDF:405.1/11

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 4.554+/-0.340 χ^2/NDF:157.9/10

Left: 4.485+/-0.237 χ^2/NDF: 563.1/22

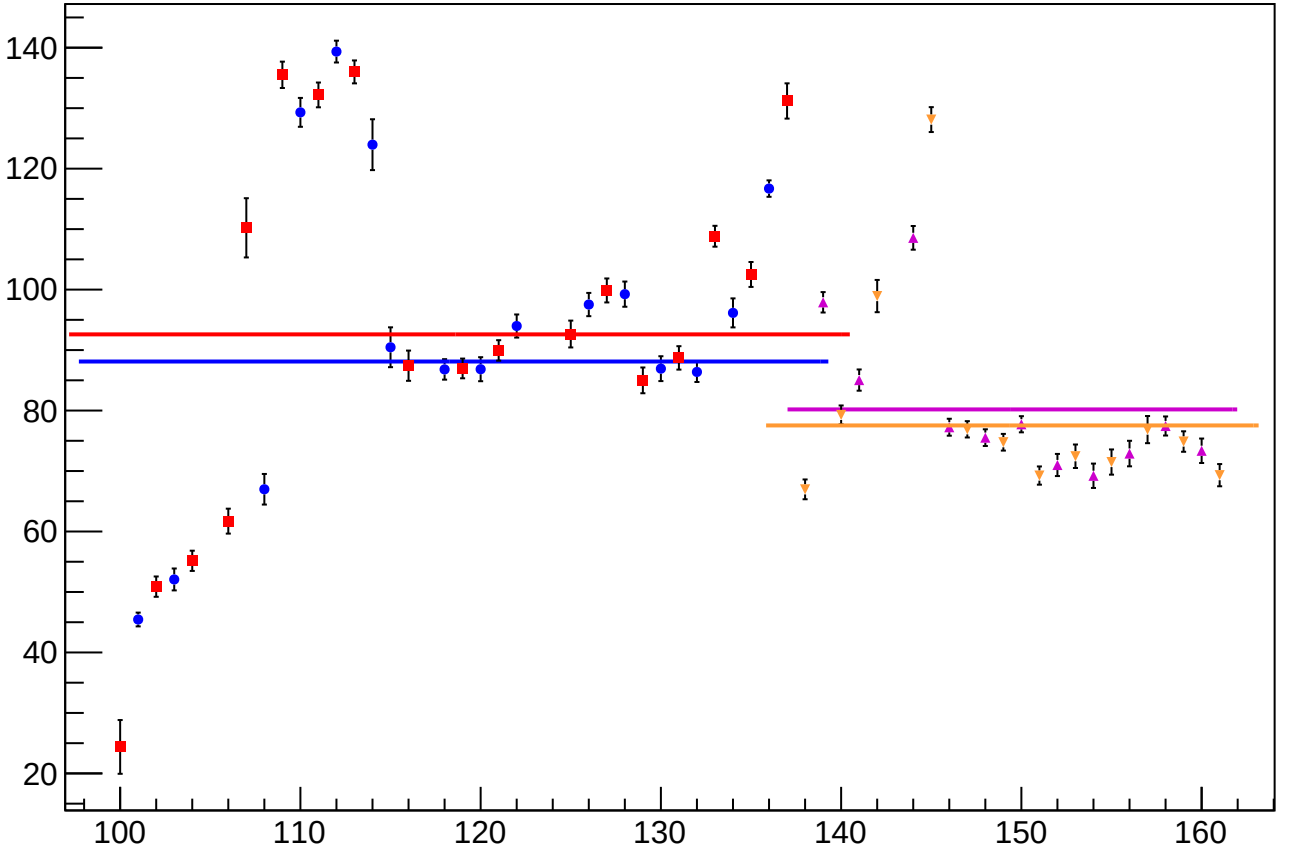
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 6.352+/-0.266 χ^2/NDF:581.6/26

Out: 6.763+/-0.265 χ^2/NDF:833.2/29

All: 6.558+/-0.188 χ^2/NDF: 1416.1/56

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.539+/-0.499 χ^2/NDF:783.4/11

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 80.187+/-0.503 χ^2/NDF:428.2/10

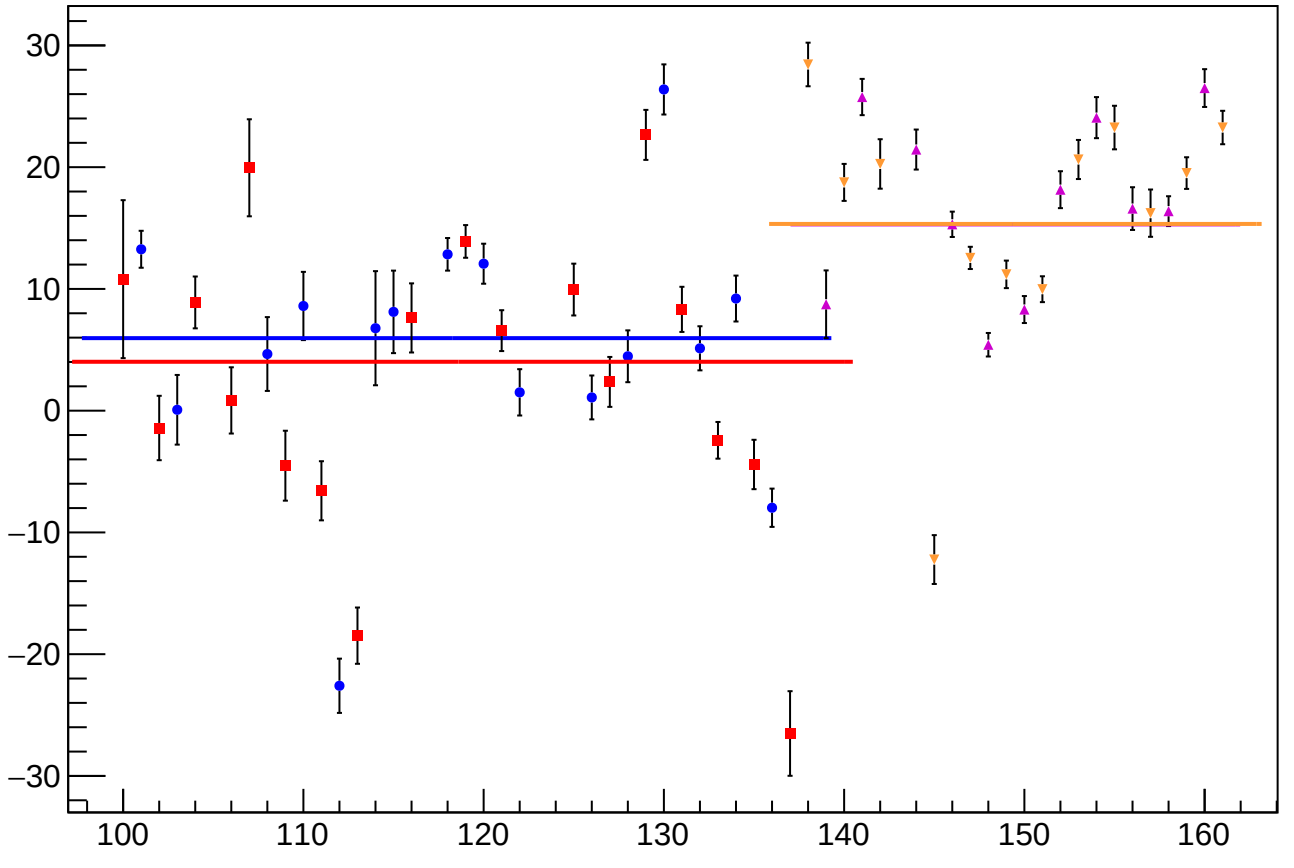
Left: 78.853+/-0.354 χ^2/NDF: 1225.5/22

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 84.430+/-0.343 χ^2/NDF:4122.6/26

Out: 85.314+/-0.347 χ^2/NDF:4464.1/29

All: 84.867+/-0.244 χ^2/NDF: 8590.0/56



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.338+/-0.402 χ^2/NDF:375.7/11

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 15.298+/-0.410 χ^2/NDF:297.2/10

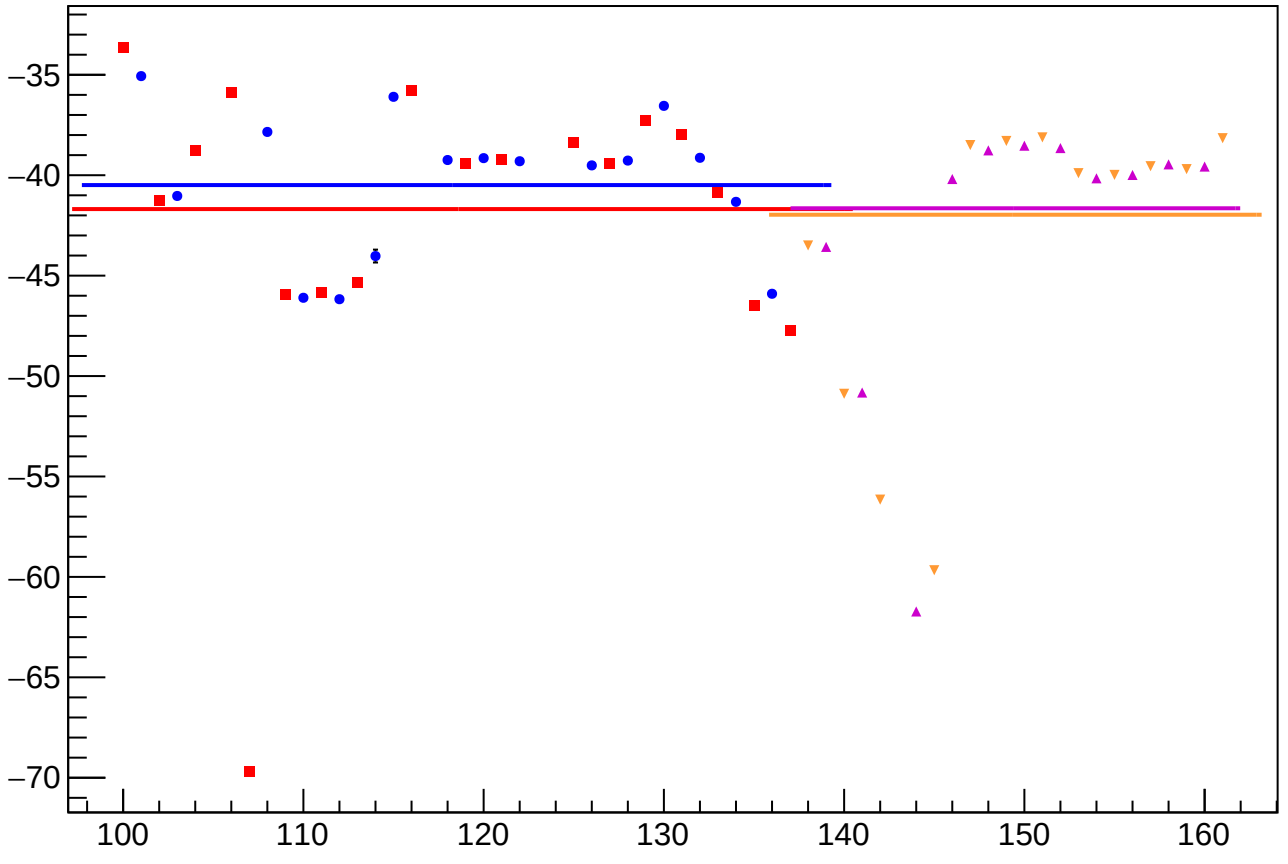
Left: 15.318+/-0.287 χ^2/NDF: 673.0/22

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 11.495+/-0.316 χ^2/NDF:935.4/26

Out: 10.998+/-0.316 χ^2/NDF:1097.7/29

All: 11.247+/-0.223 χ^2/NDF: 2034.3/56



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.967+/-0.019 χ^2/NDF:100497.7/11

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.646+/-0.019 χ^2/NDF:81543.2/10

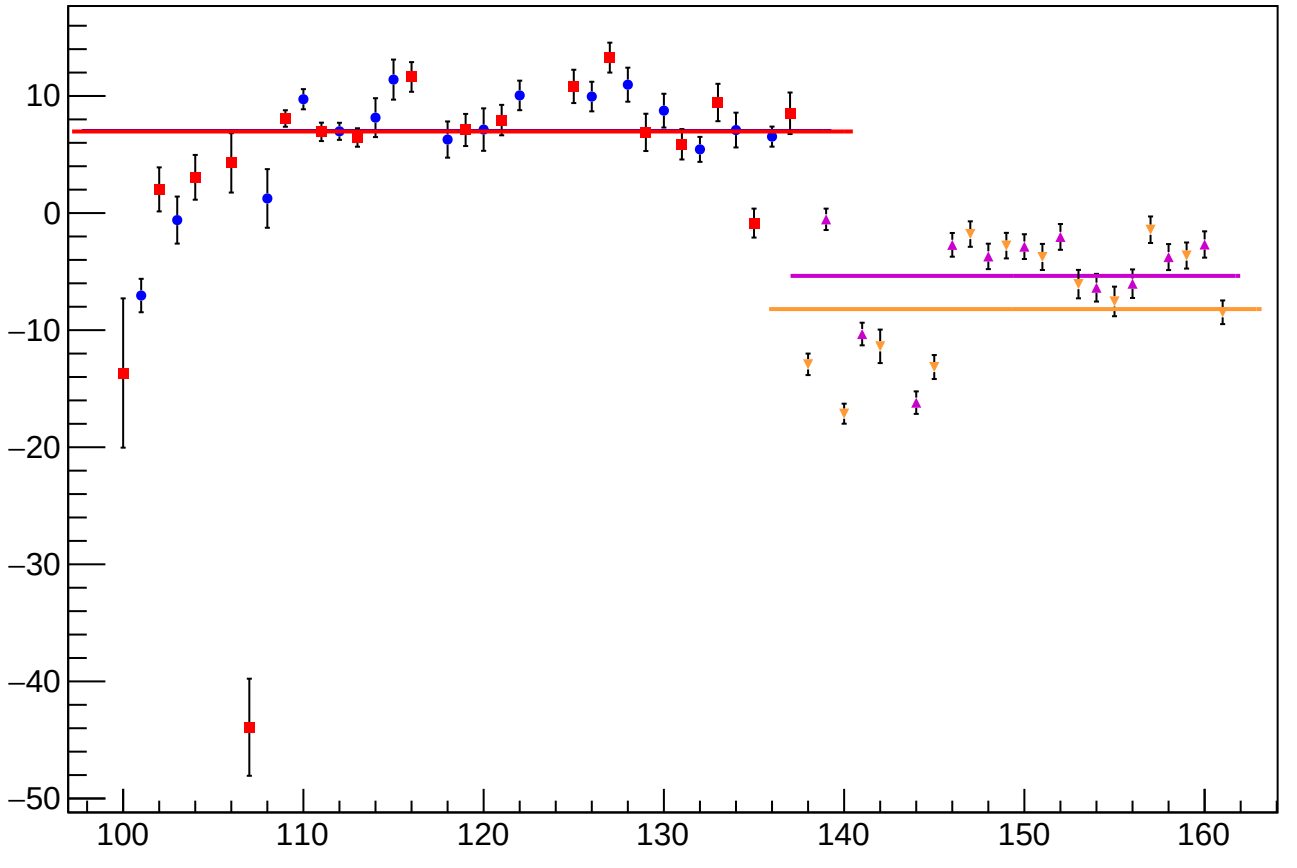
Left: -41.805+/-0.014 χ^2/NDF: 182180.2/22

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.284+/-0.016 χ^2/NDF:100811.8/26

Out: -41.882+/-0.016 χ^2/NDF:137400.7/29

All: -41.578+/-0.011 χ^2/NDF: 238911.3/56



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.202+/-0.311 χ^2/NDF:295.3/11

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.365+/-0.318 χ^2/NDF:213.7/10

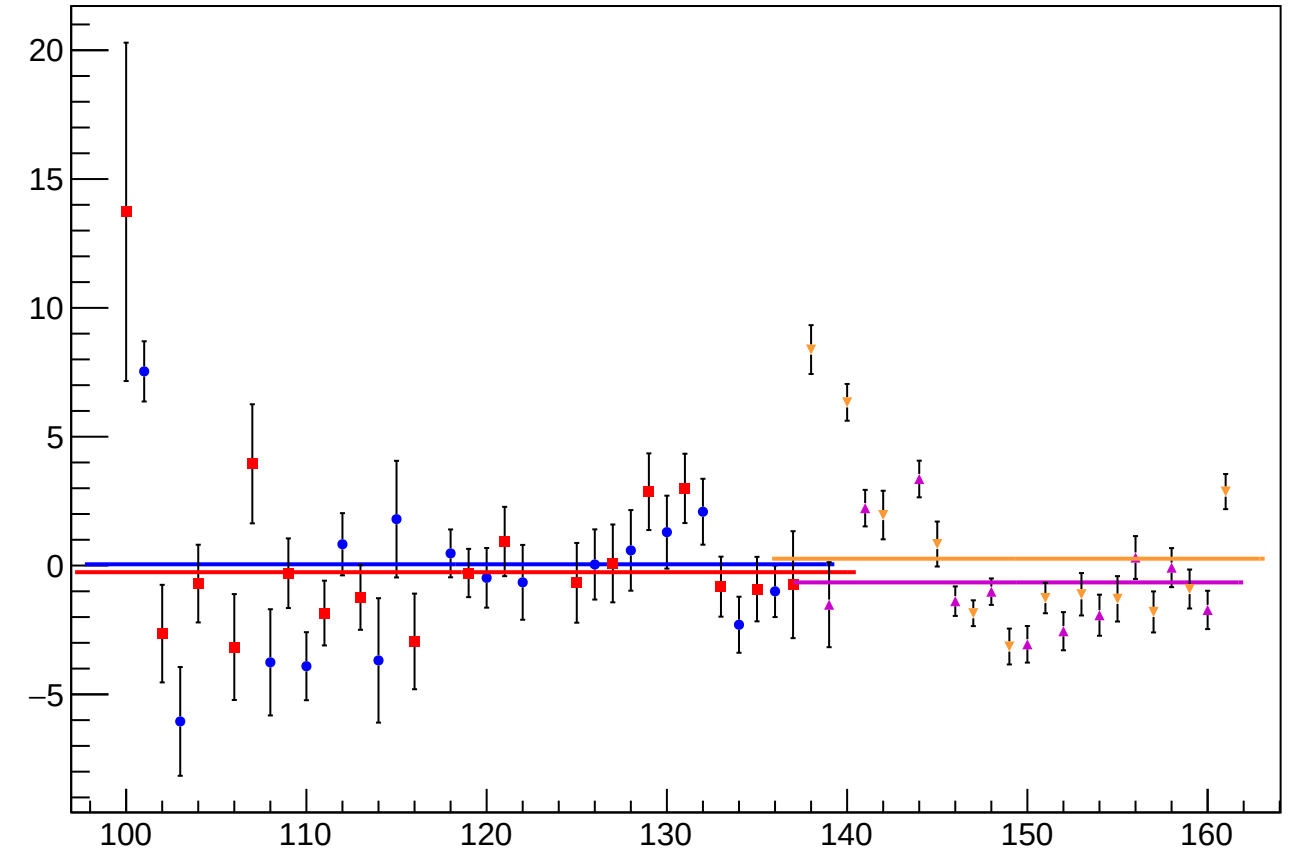
Left: -6.816+/-0.222 χ^2/NDF: 549.7/22

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 0.998+/-0.222 χ^2/NDF:1148.2/26

Out: -0.303+/-0.215 χ^2/NDF:1801.6/29

All: 0.328+/-0.154 χ^2/NDF: 2967.4/56



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.266+/-0.210 χ^2/NDF:227.5/11

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.655+/-0.215 χ^2/NDF:75.2/10

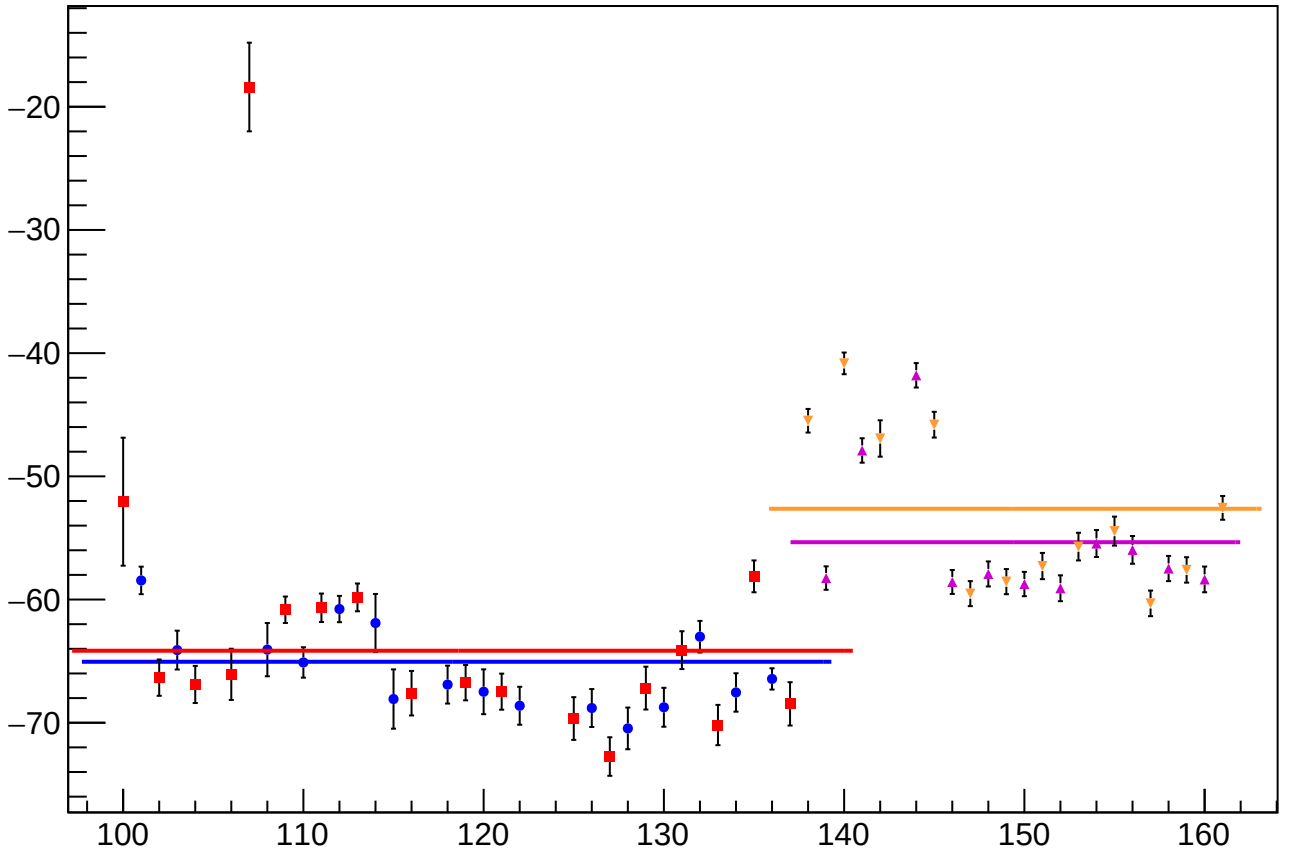
Left: -0.183+/-0.150 χ^2/NDF: 312.1/22

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.446+/-0.181 χ^2/NDF:153.4/26

Out: 0.124+/-0.179 χ^2/NDF:256.7/29

All: -0.159+/-0.127 χ^2/NDF: 415.1/56



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.631+/-0.301 χ^2/NDF:479.7/11

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -55.346+/-0.307 χ^2/NDF:307.9/10

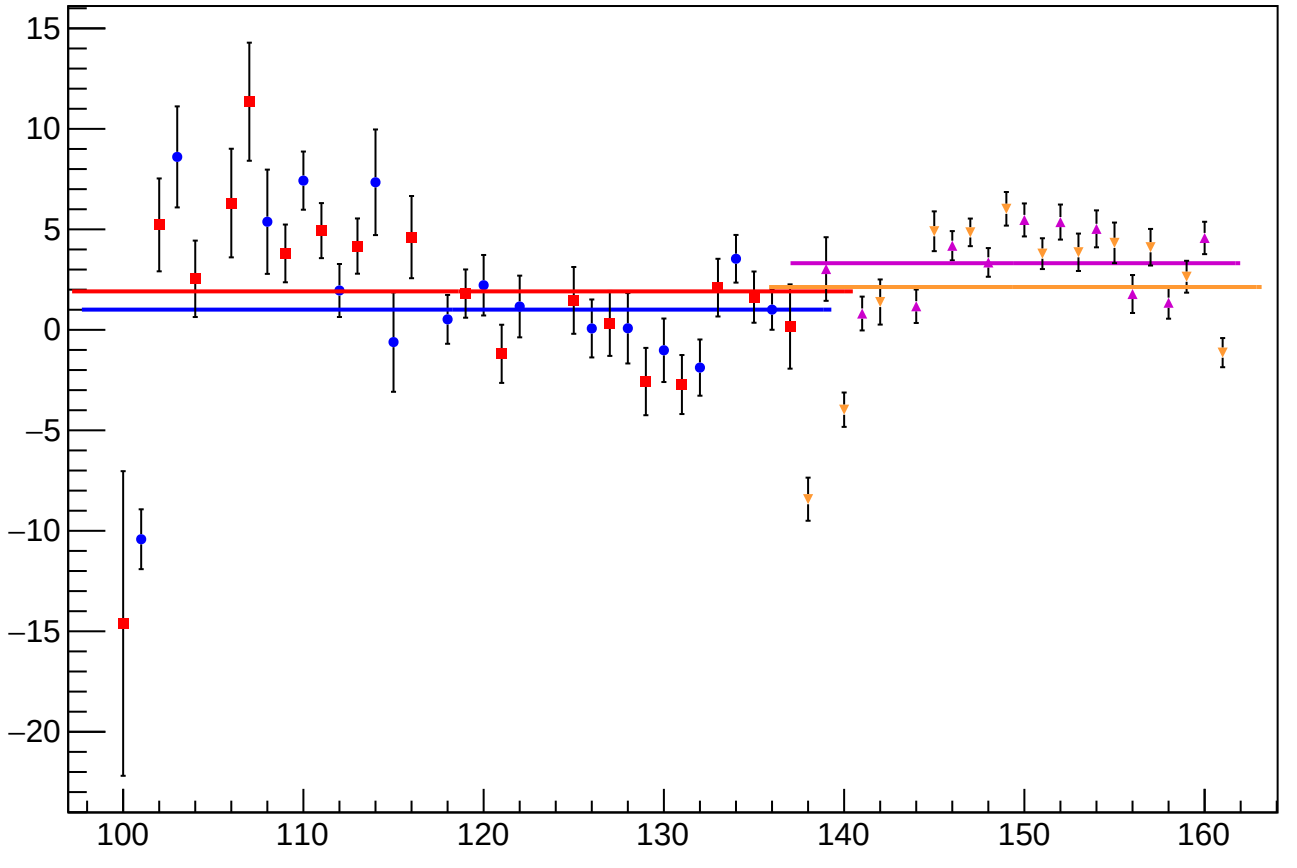
Left: -53.962+/-0.215 χ^2/NDF: 827.4/22

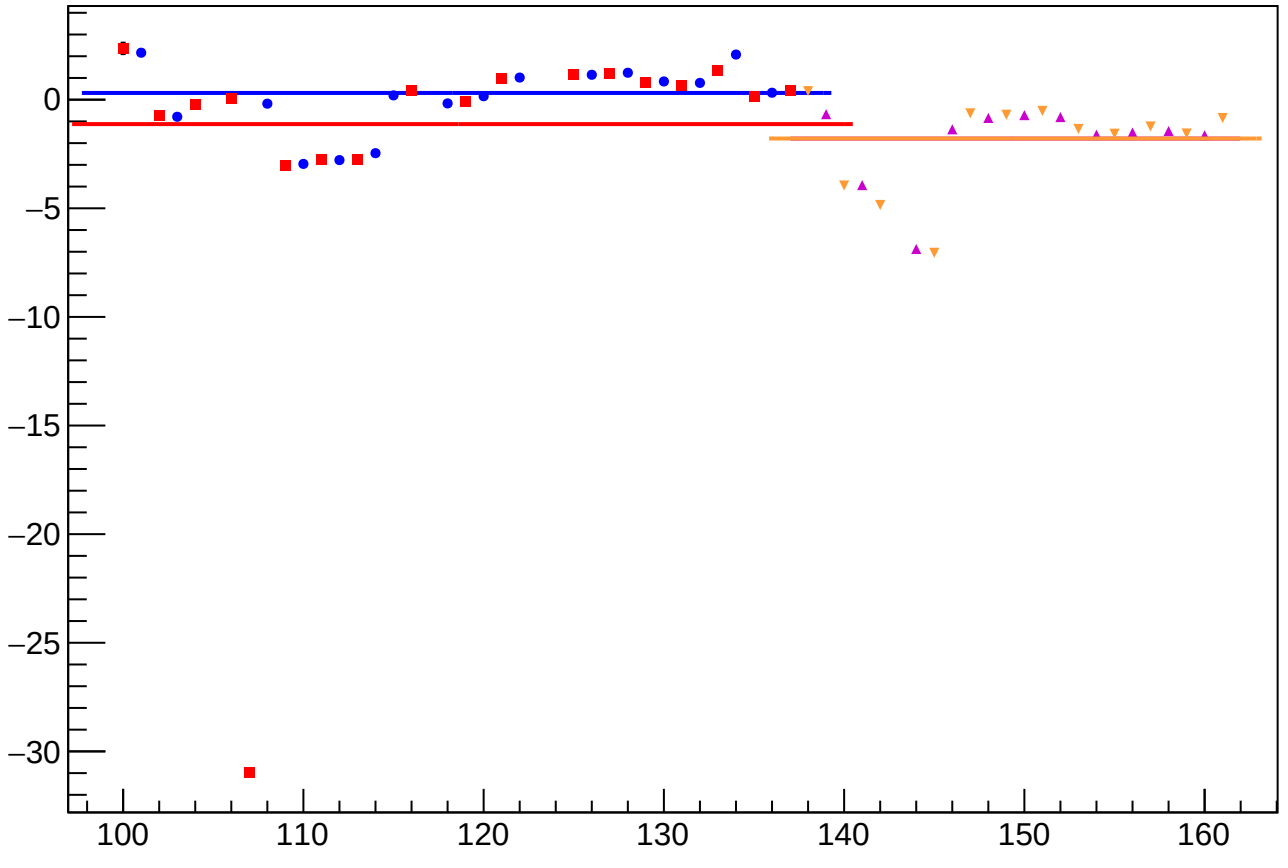
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.516+/-0.232 χ^2/NDF:829.3/26

Out: -57.370+/-0.231 χ^2/NDF:1385.3/29

All: -58.439+/-0.164 χ^2/NDF: 2257.6/56


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 2.131+/-0.249 χ²/NDF:231.8/11
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.316+/-0.255 χ²/NDF:43.9/10
Left: 2.708+/-0.178 χ²/NDF: 286.8/22
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.586+/-0.211 χ²/NDF:179.0/26
Out: 2.068+/-0.210 χ²/NDF:286.5/29
All: 2.325+/-0.149 χ²/NDF: 468.6/56



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.788+/-0.011 χ^2/NDF:28713.4/11

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.791+/-0.012 χ^2/NDF:19315.9/10

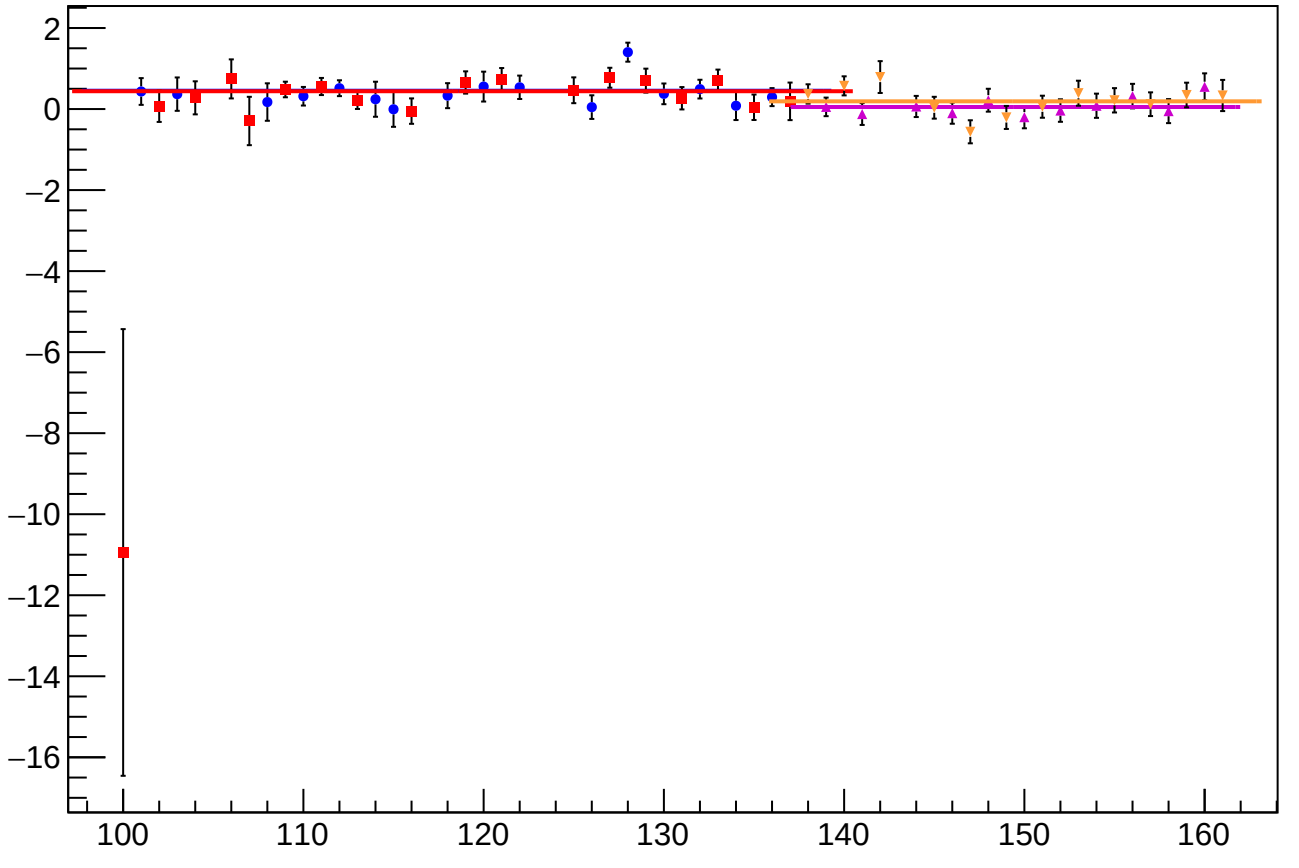
Left: -1.790+/-0.008 χ^2/NDF: 48029.4/22

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.306+/-0.010 χ^2/NDF:31820.0/26

Out: -1.649+/-0.010 χ^2/NDF:75768.2/29

All: -1.477+/-0.007 χ^2/NDF: 108161.9/56



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.190+/-0.083 χ^2/NDF:16.0/11

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.050+/-0.083 χ^2/NDF:5.2/10

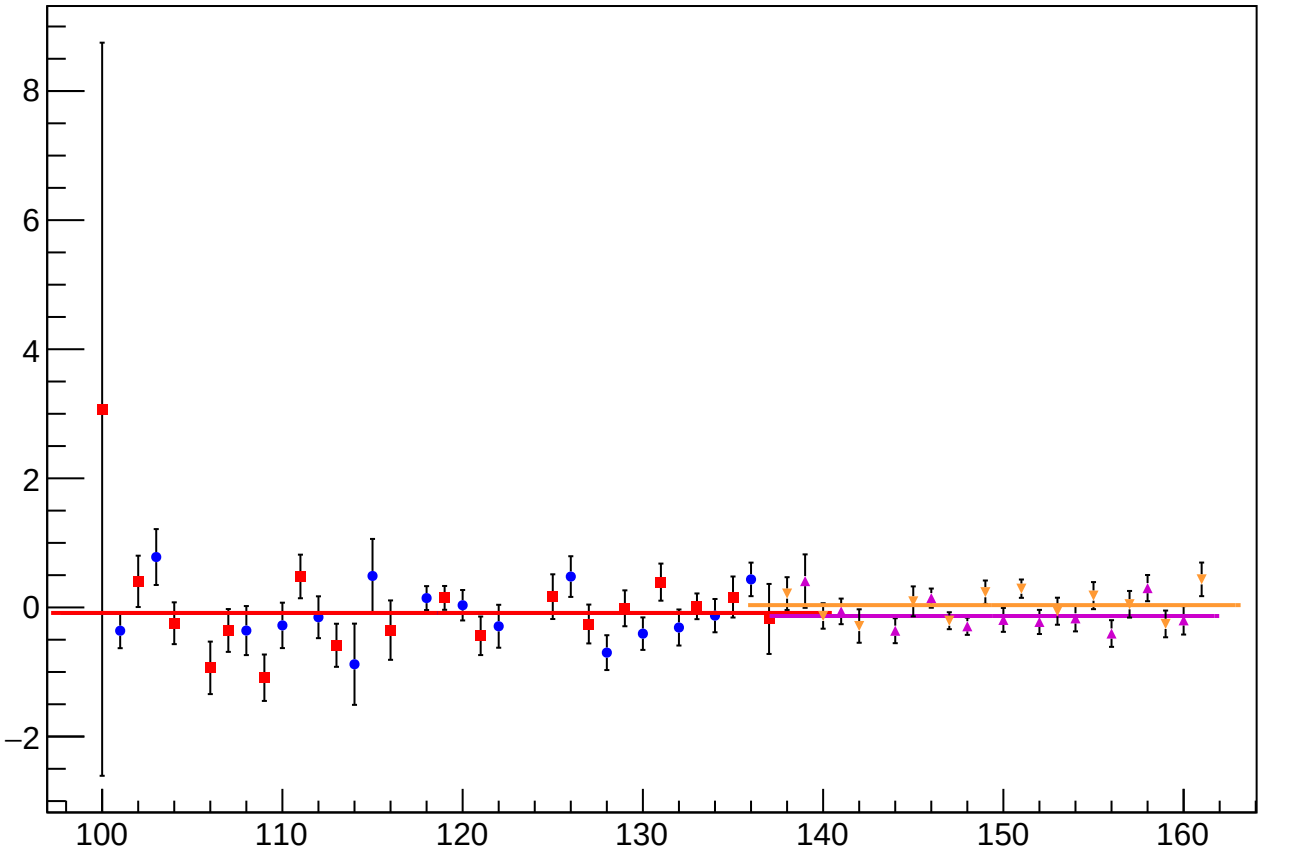
Left: 0.121+/-0.059 χ^2/NDF: 22.6/22

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.283+/-0.054 χ^2/NDF:41.3/26

Out: 0.337+/-0.053 χ^2/NDF:39.8/29

All: 0.310+/-0.038 χ^2/NDF: 81.6/56



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.036+/-0.056 χ^2/NDF:15.7/11

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.133+/-0.057 χ^2/NDF:14.9/10

Left: -0.047+/-0.040 χ^2/NDF: 35.0/22

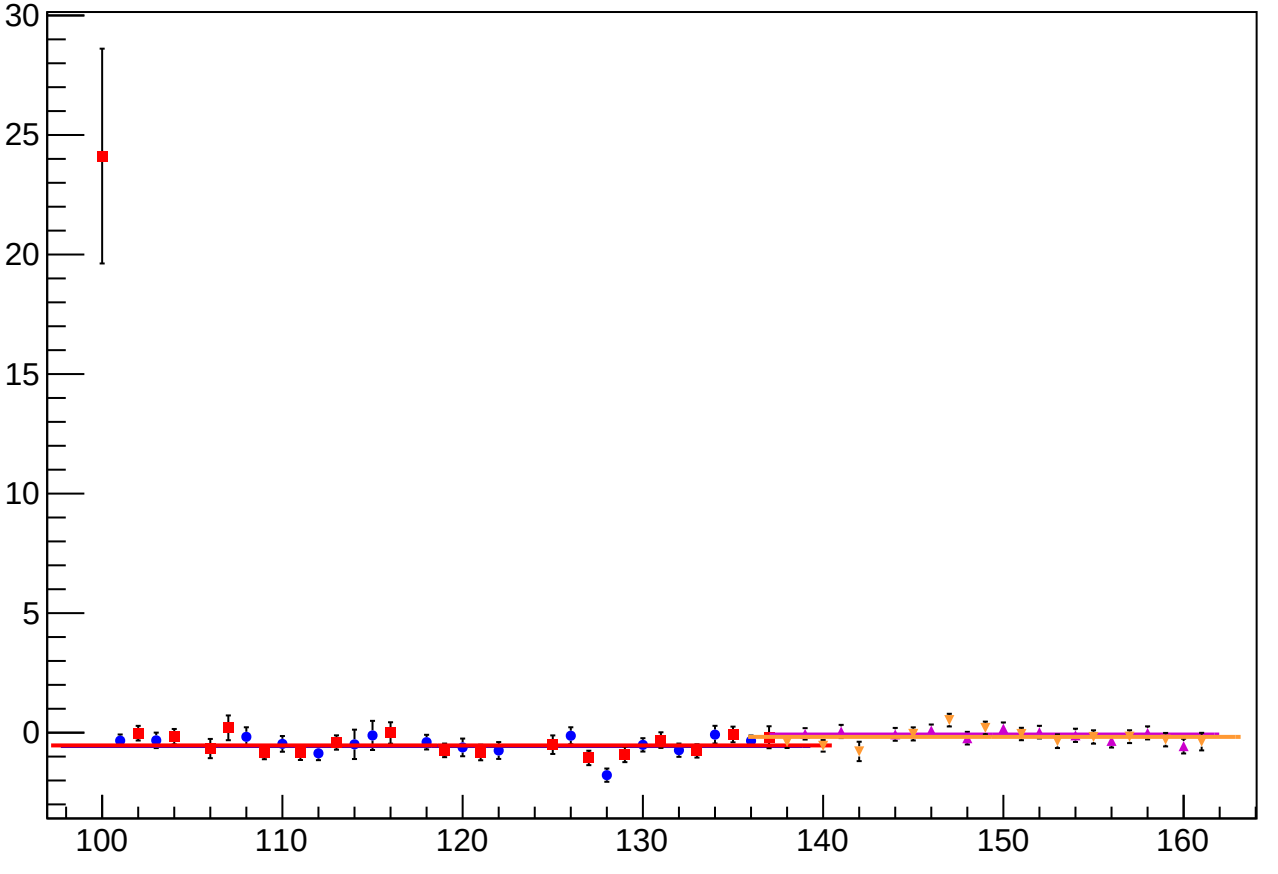
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.115+/-0.045 χ^2/NDF:40.5/26

Out: -0.009+/-0.045 χ^2/NDF:45.3/29

All: -0.062+/-0.032 χ^2/NDF: 88.6/56

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: -0.176+/-0.080 χ^2/NDF:15.6/11

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.078+/-0.081 χ^2/NDF:5.5/10

Left: -0.127+/-0.057 χ^2/NDF: 21.9/22

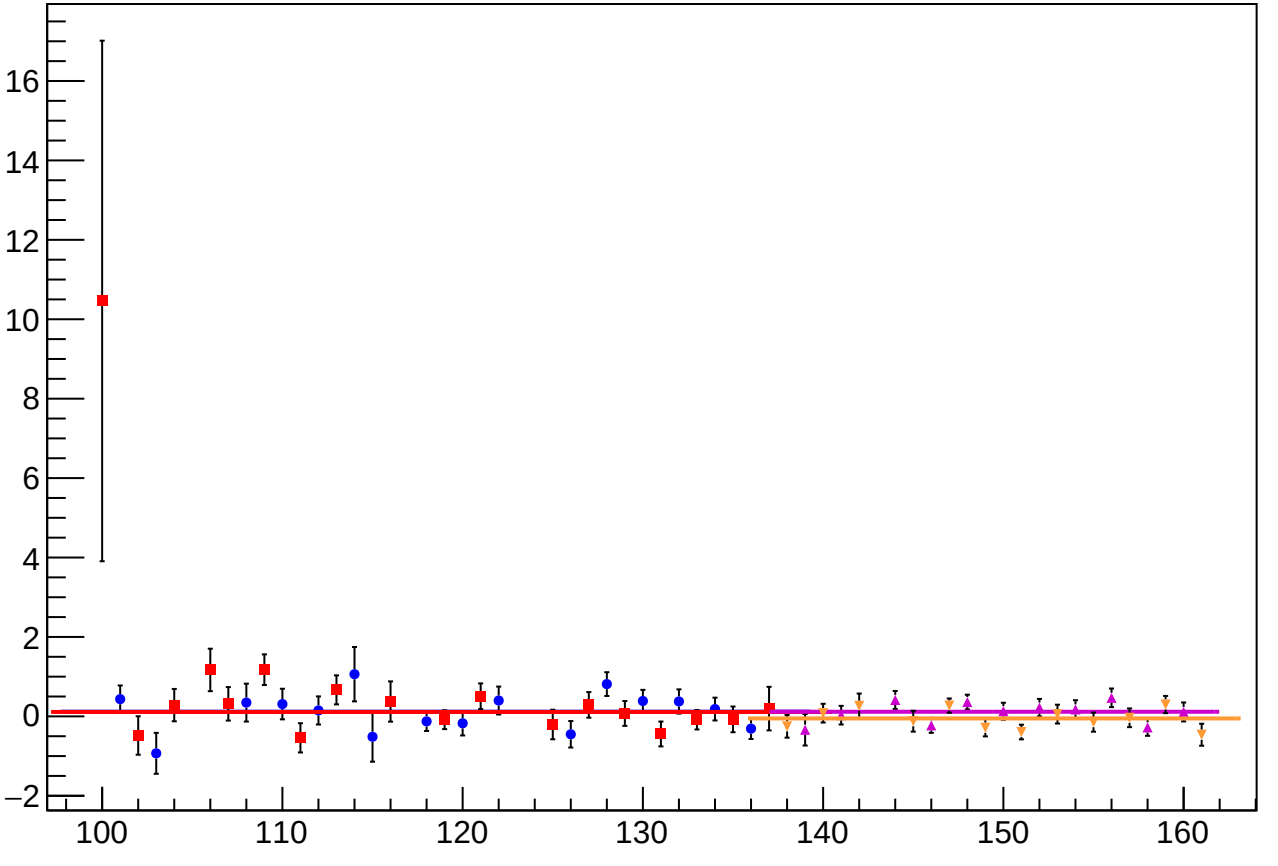
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.321+/-0.057 χ^2/NDF:51.8/26

Out: -0.355+/-0.057 χ^2/NDF:74.7/29

All: -0.338+/-0.040 χ^2/NDF: 126.7/56

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: -0.052+/-0.067 χ^2/NDF:14.9/11

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.116+/-0.067 χ^2/NDF:14.1/10

Left: 0.031+/-0.047 χ^2/NDF: 32.2/22

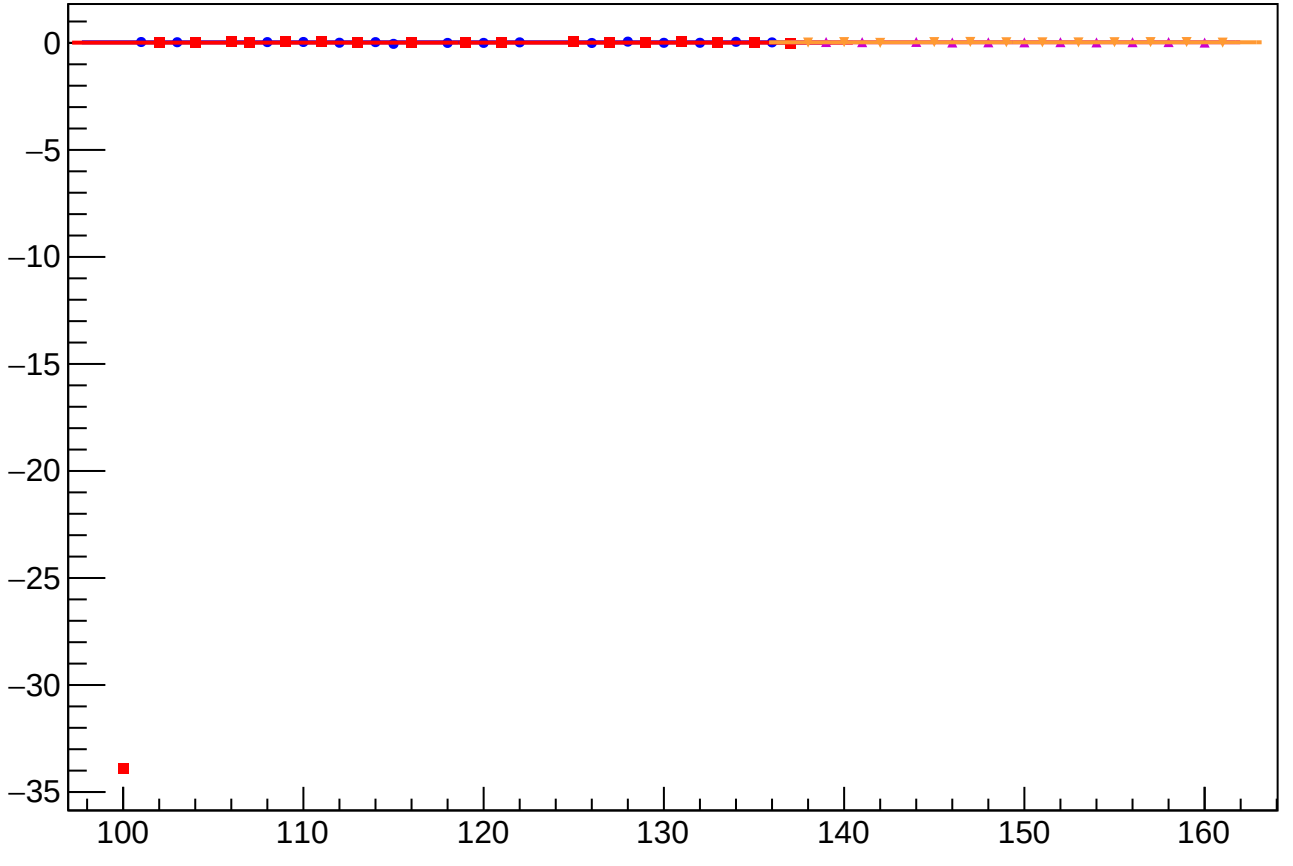
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.117+/-0.053 χ^2/NDF:37.8/26

Out: 0.011+/-0.052 χ^2/NDF:46.2/29

All: 0.064+/-0.037 χ^2/NDF: 86.0/56

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:11.1/11

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.032+/-0.003 χ^2/NDF:8.3/10

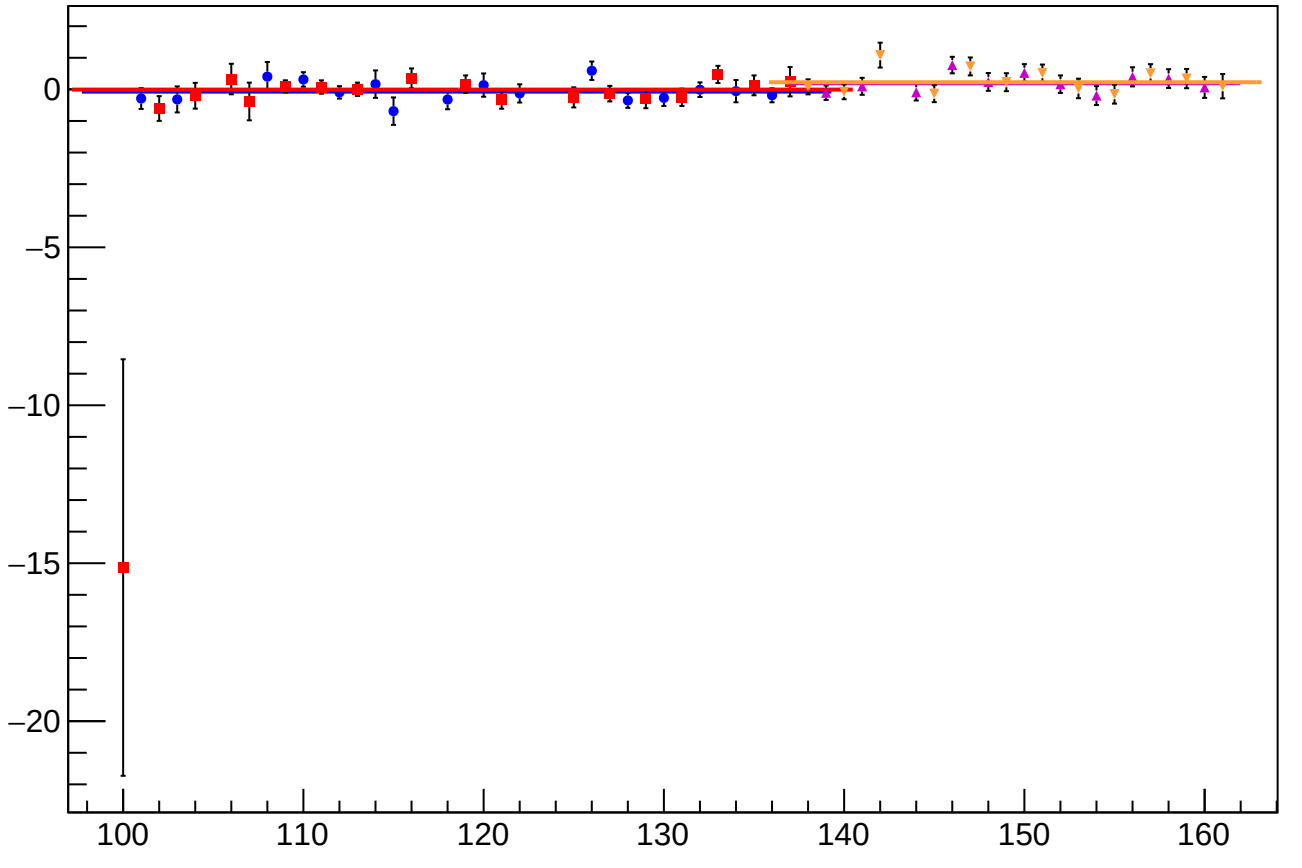
Left: 0.030+/-0.002 χ^2/NDF: 20.2/22

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:23.7/26

Out: 0.024+/-0.003 χ^2/NDF:22281.7/29

All: 0.027+/-0.002 χ^2/NDF: 22309.0/56



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.226+/-0.083 χ^2/NDF:15.9/11

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.194+/-0.084 χ^2/NDF:11.9/10

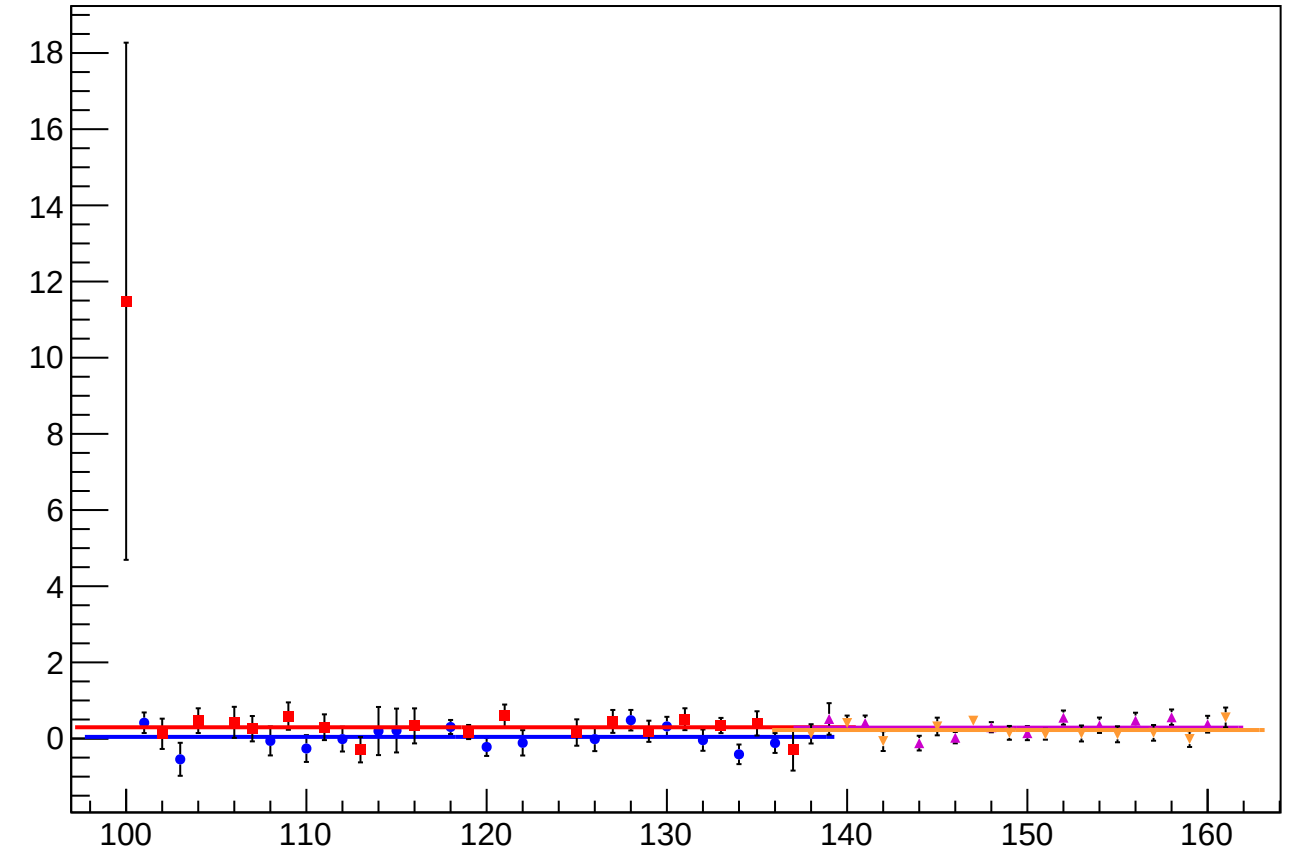
Left: 0.210+/-0.059 χ^2/NDF: 27.9/22

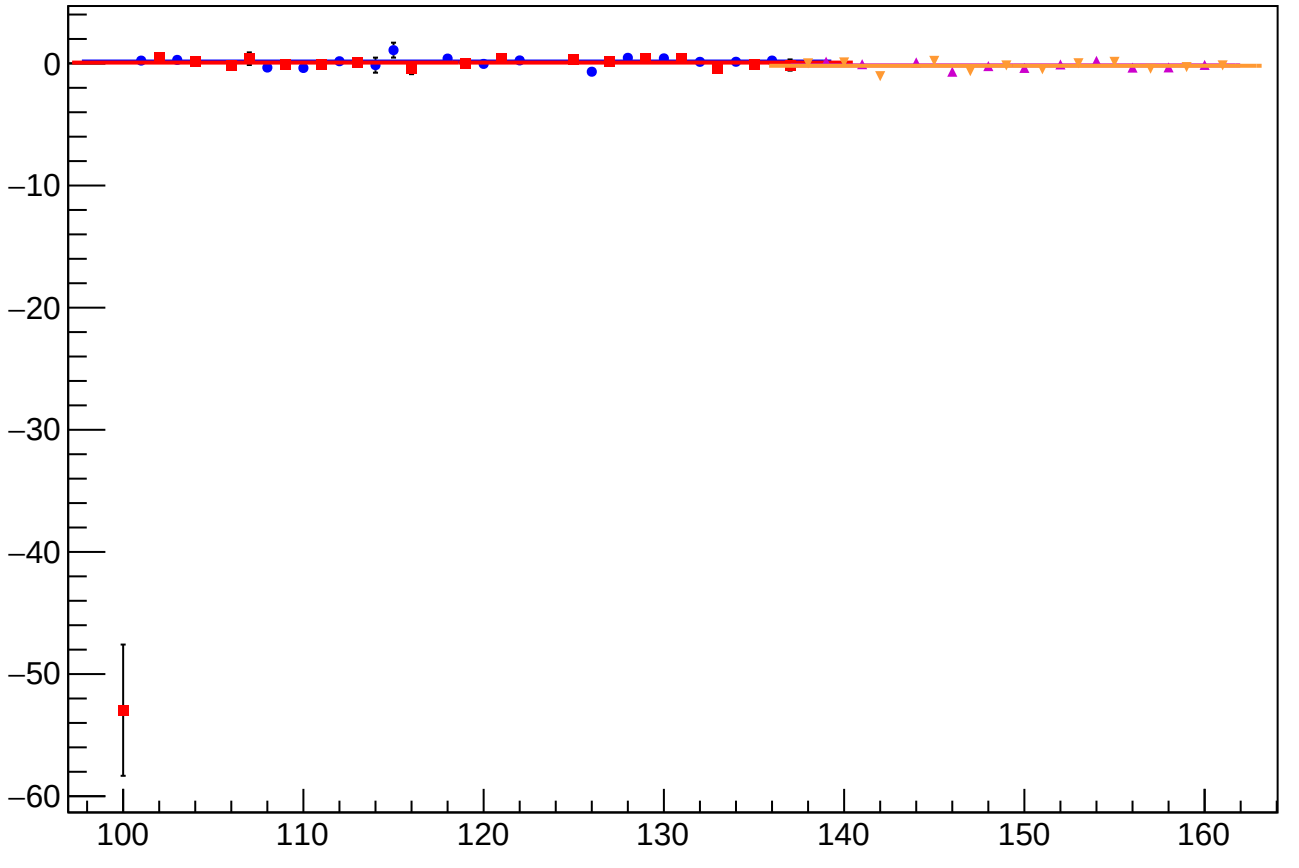
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.041+/-0.054 χ^2/NDF:33.2/26

Out: 0.089+/-0.053 χ^2/NDF:38.7/29

All: 0.066+/-0.038 χ^2/NDF: 72.3/56


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
160
Right In: 0.044+/-0.073 χ²/NDF: 15.7/15
Left Out: 0.224+/-0.056 χ²/NDF:10.2/11
Right Out: 0.296+/-0.074 χ²/NDF: 11.0/17
Left In: 0.286+/-0.057 χ²/NDF:13.7/10
Left: 0.255+/-0.040 χ²/NDF: 24.5/22
Right: 0.169+/-0.052 χ²/NDF: 32.6/33
In: 0.195+/-0.045 χ²/NDF:36.3/26
Out: 0.250+/-0.045 χ²/NDF:21.8/29
All: 0.223+/-0.032 χ²/NDF: 58.8/56



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.196+/-0.080 χ^2/NDF:15.3/11

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.164+/-0.081 χ^2/NDF:10.2/10

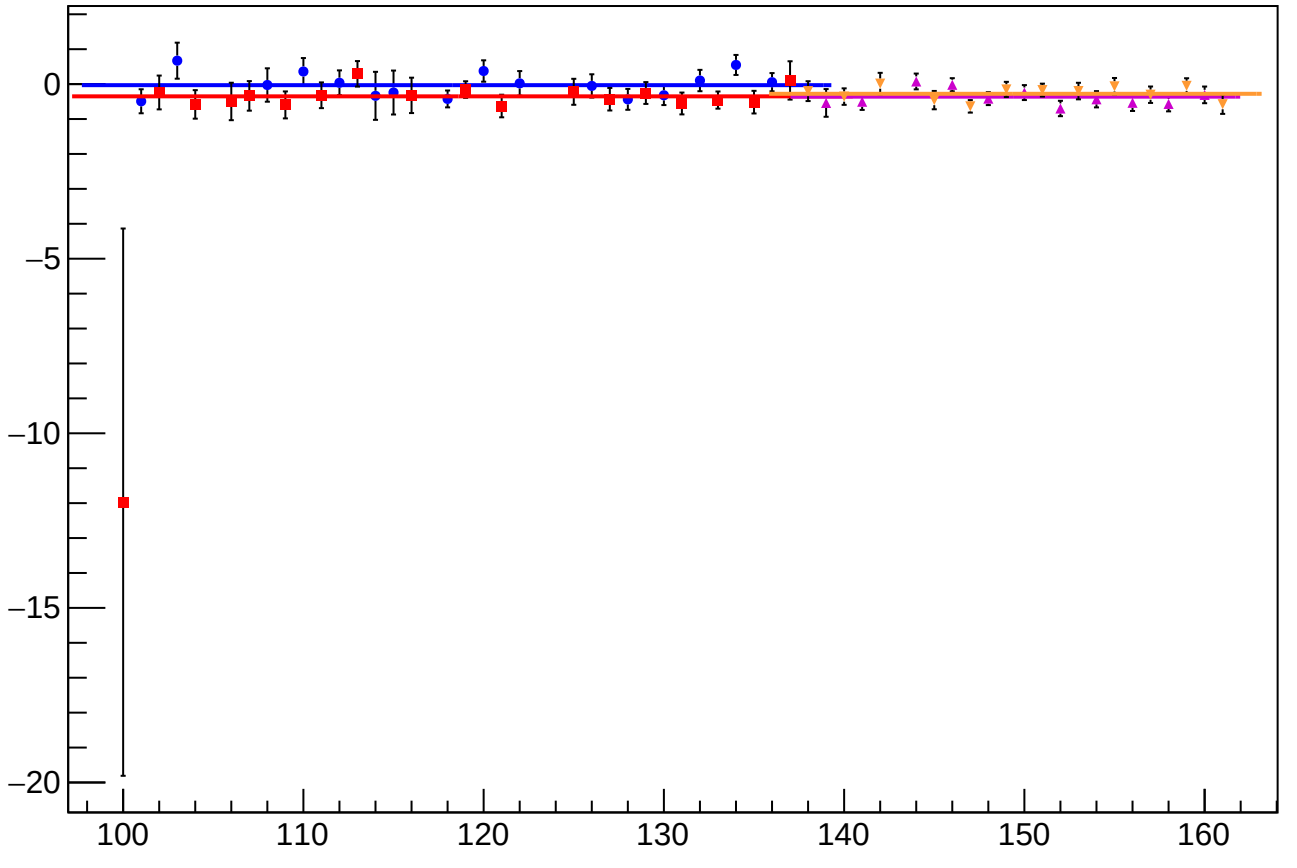
Left: -0.180+/-0.057 χ^2/NDF: 25.6/22

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.003+/-0.057 χ^2/NDF:33.7/26

Out: -0.065+/-0.057 χ^2/NDF:129.8/29

All: -0.034+/-0.040 χ^2/NDF: 164.1/56



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.278+/-0.067 χ^2/NDF:9.4/11

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.359+/-0.067 χ^2/NDF:12.0/10

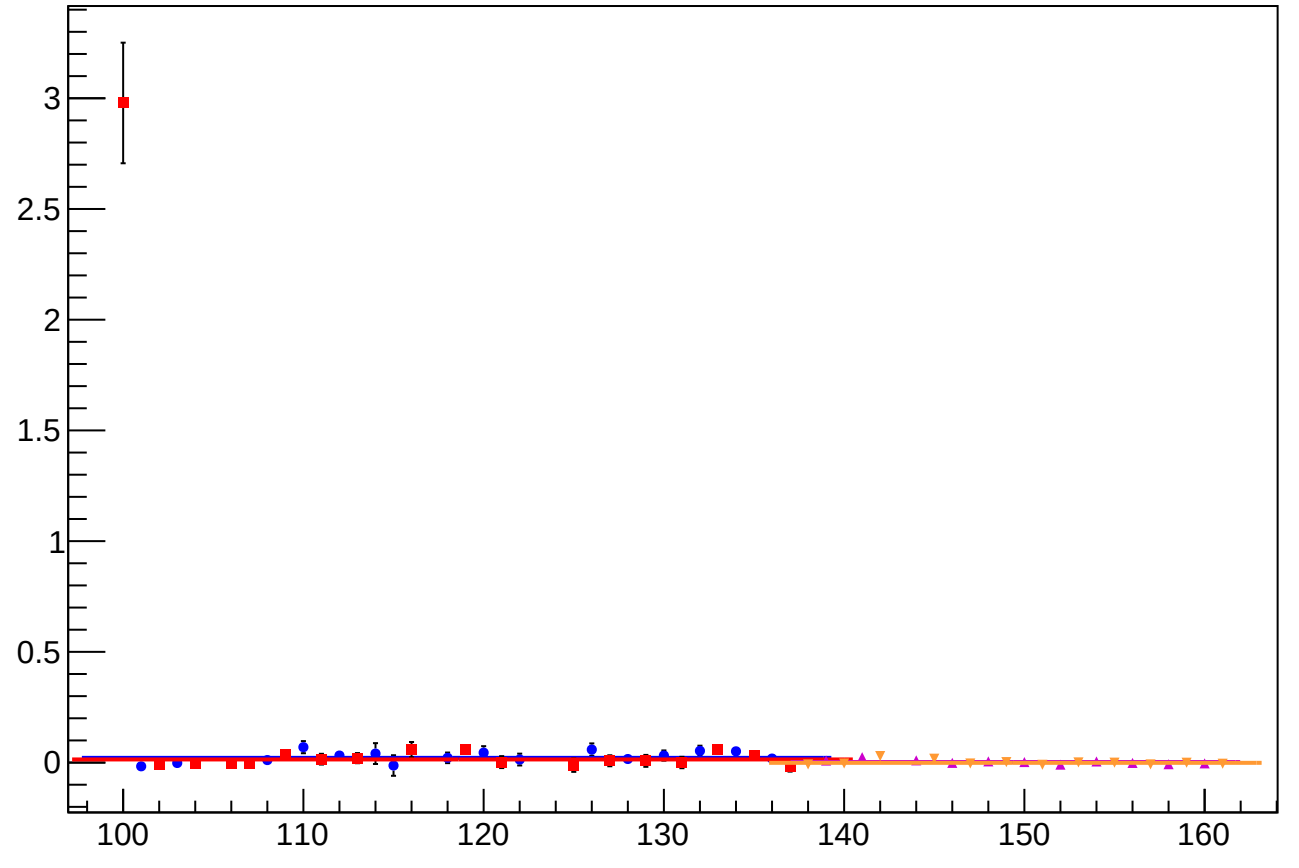
Left: -0.318+/-0.047 χ^2/NDF: 22.1/22

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.230+/-0.053 χ^2/NDF:38.1/26

Out: -0.305+/-0.052 χ^2/NDF:19.3/29

All: -0.268+/-0.037 χ^2/NDF: 58.4/56



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:8.7/11

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:8.2/10

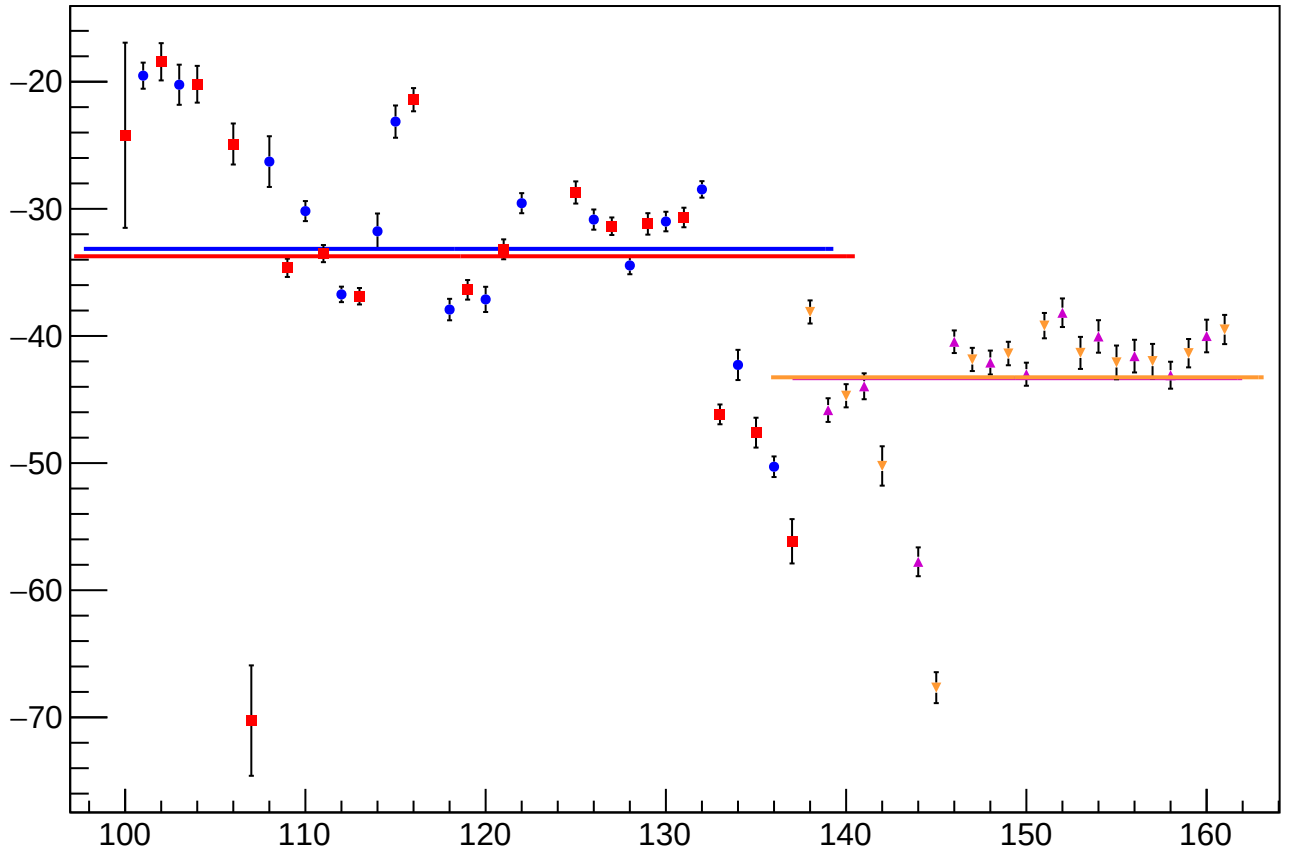
Left: 0.001+/-0.002 χ^2/NDF: 17.6/22

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.003 χ^2/NDF:41.6/26

Out: 0.003+/-0.003 χ^2/NDF:156.5/29

All: 0.005+/-0.002 χ^2/NDF: 199.8/56



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.252+/-0.313 χ^2/NDF:497.5/11

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -43.320+/-0.316 χ^2/NDF:218.2/10

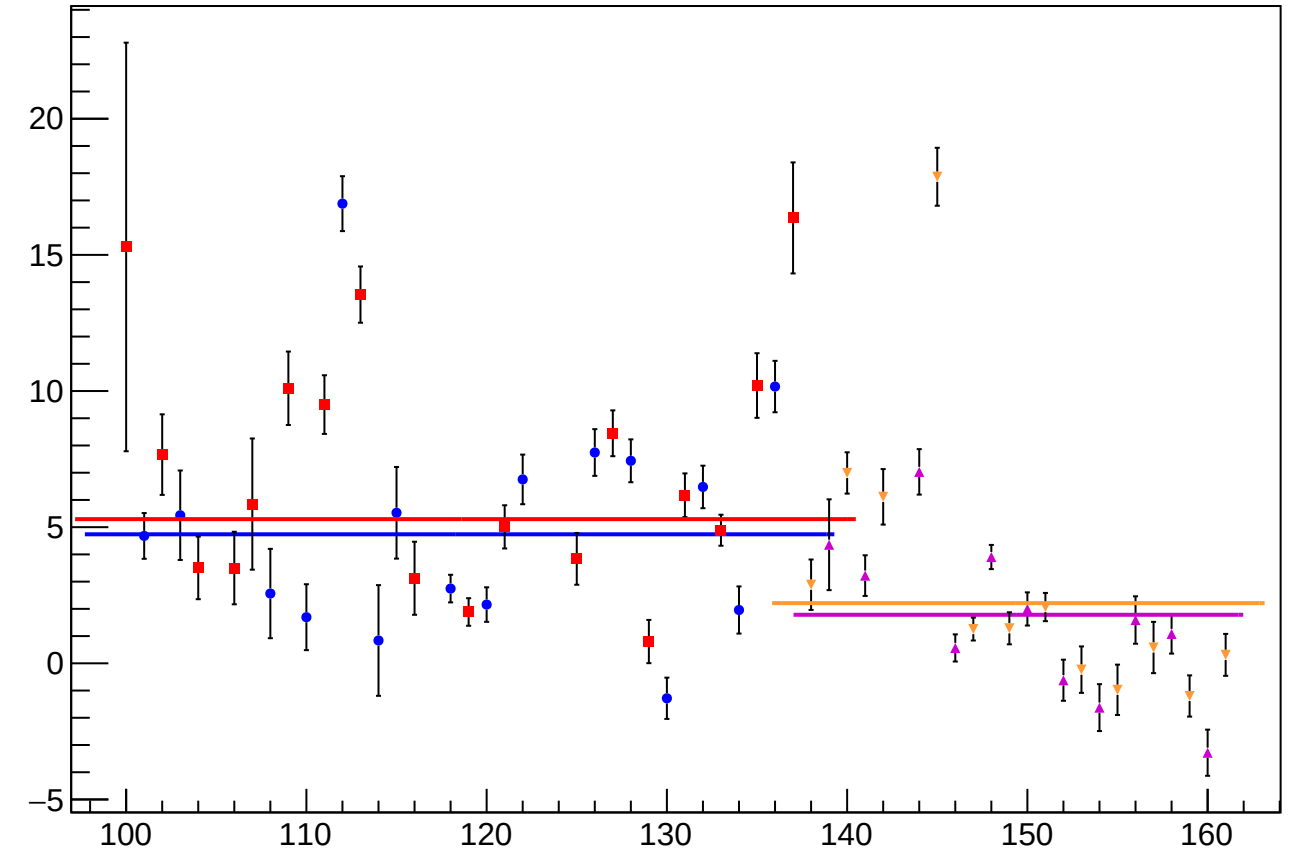
Left: -43.286+/-0.223 χ^2/NDF: 715.8/22

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.425+/-0.179 χ^2/NDF:1933.8/26

Out: -36.776+/-0.177 χ^2/NDF:2274.2/29

All: -36.603+/-0.126 χ^2/NDF: 4209.9/56



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.211+/-0.204 χ^2/NDF:328.6/11

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.783+/-0.208 χ^2/NDF:137.1/10

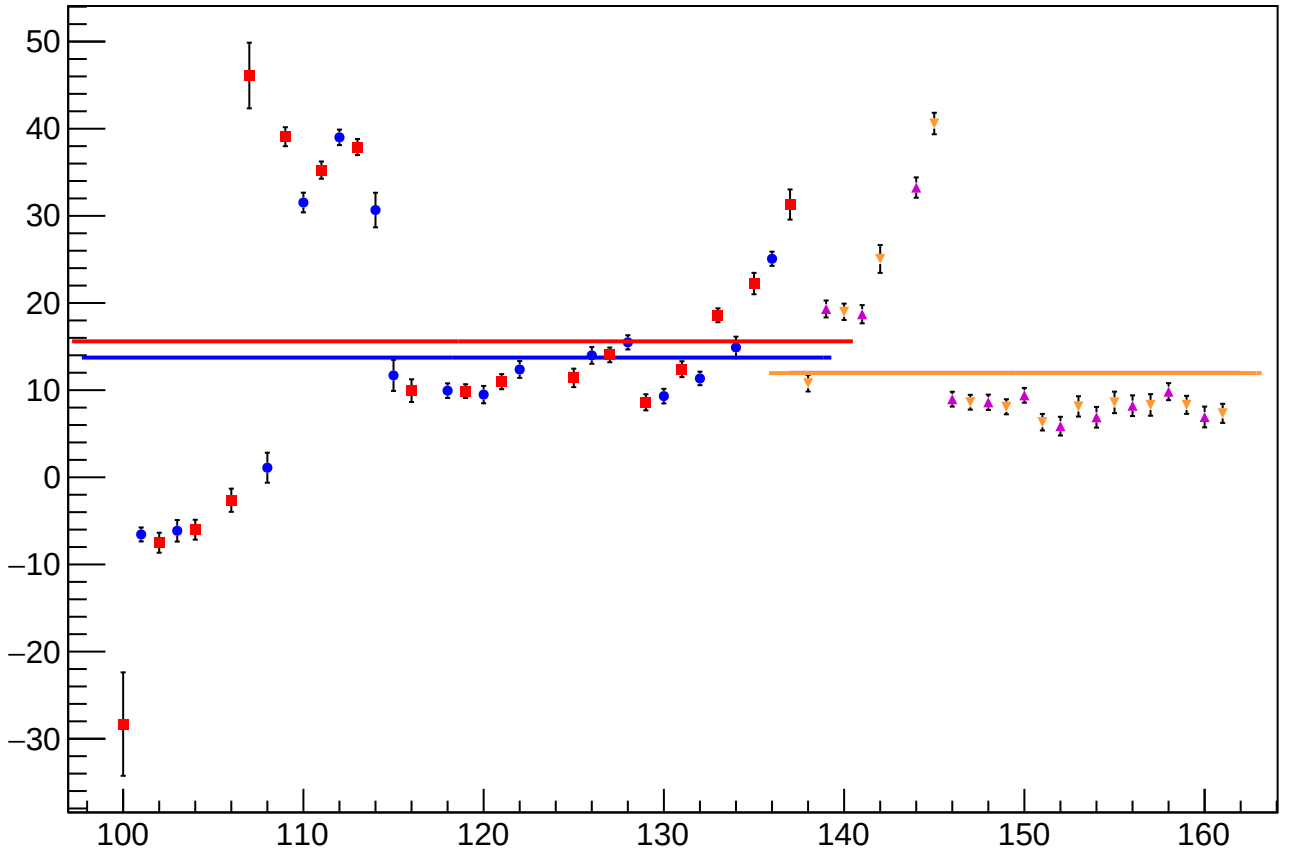
Left: 2.001+/-0.145 χ^2/NDF: 467.9/22

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.183+/-0.151 χ^2/NDF:562.3/26

Out: 3.610+/-0.150 χ^2/NDF:677.9/29

All: 3.397+/-0.107 χ^2/NDF: 1244.2/56



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.958+/-0.302 χ^2/NDF:792.9/11

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 11.984+/-0.304 χ^2/NDF:550.7/10

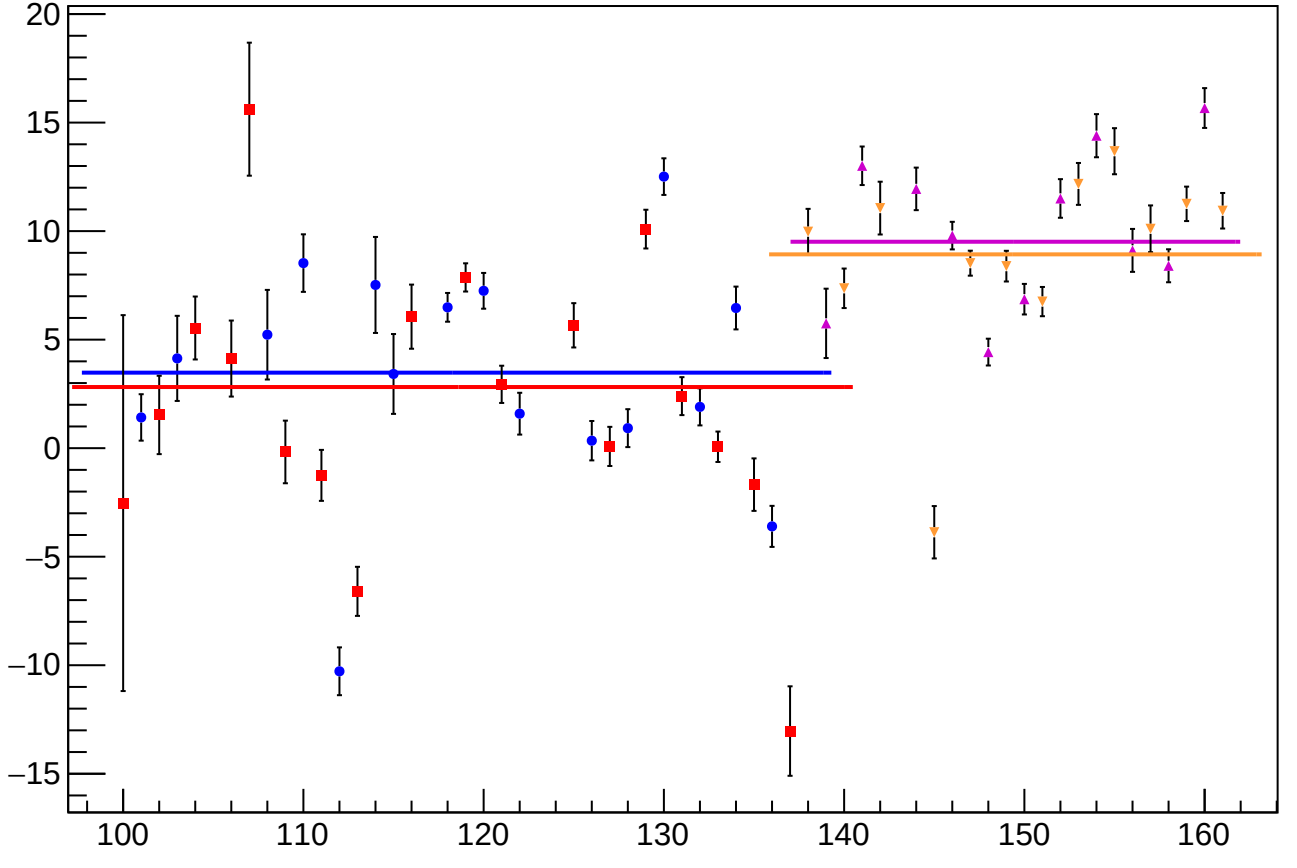
Left: 11.971+/-0.214 χ^2/NDF: 1343.7/22

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.042+/-0.192 χ^2/NDF:2920.6/26

Out: 14.120+/-0.193 χ^2/NDF:3705.4/29

All: 13.578+/-0.136 χ^2/NDF: 6641.7/56



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.929+/-0.245 χ^2/NDF:178.3/11

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.510+/-0.250 χ^2/NDF:186.0/10

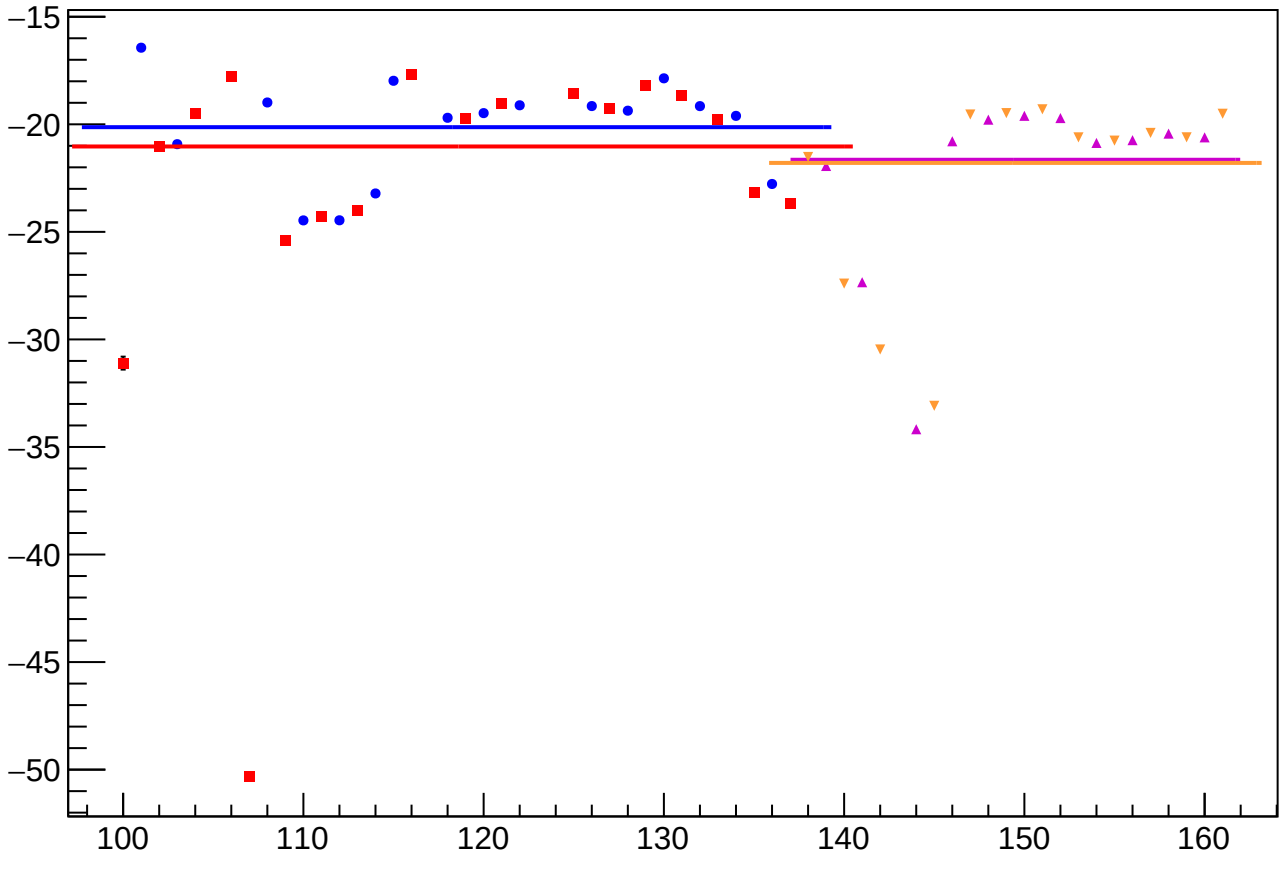
Left: 9.215+/-0.175 χ^2/NDF: 367.1/22

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.542+/-0.178 χ^2/NDF:900.7/26

Out: 6.016+/-0.178 χ^2/NDF:819.1/29

All: 6.279+/-0.126 χ^2/NDF: 1724.2/56



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.794+/-0.012 χ^2/NDF:109044.7/11

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.648+/-0.012 χ^2/NDF:87010.7/10

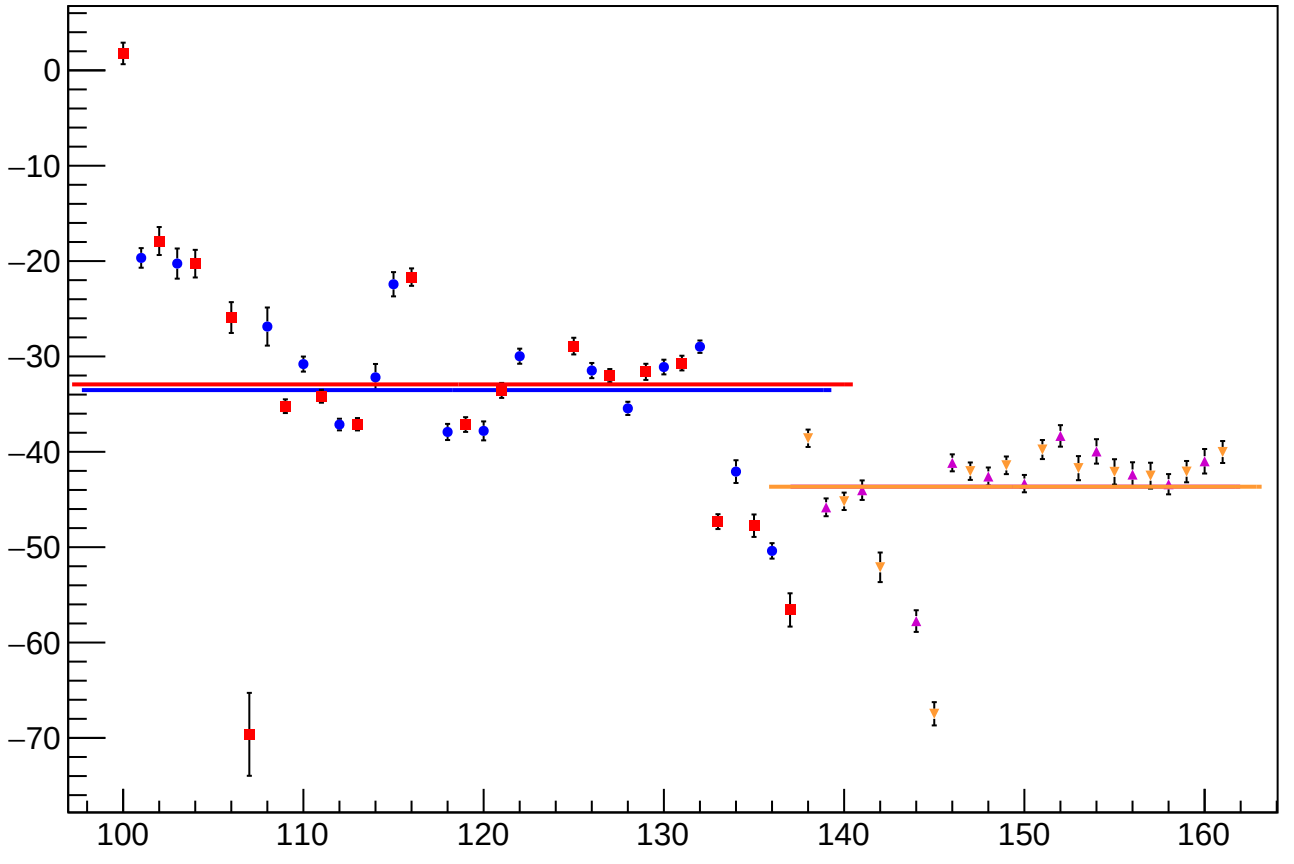
Left: -21.720+/-0.008 χ^2/NDF: 196135.2/22

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.132+/-0.009 χ^2/NDF:112743.2/26

Out: -21.540+/-0.009 χ^2/NDF:168005.4/29

All: -21.333+/-0.007 χ^2/NDF: 281685.6/56


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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−40
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−70
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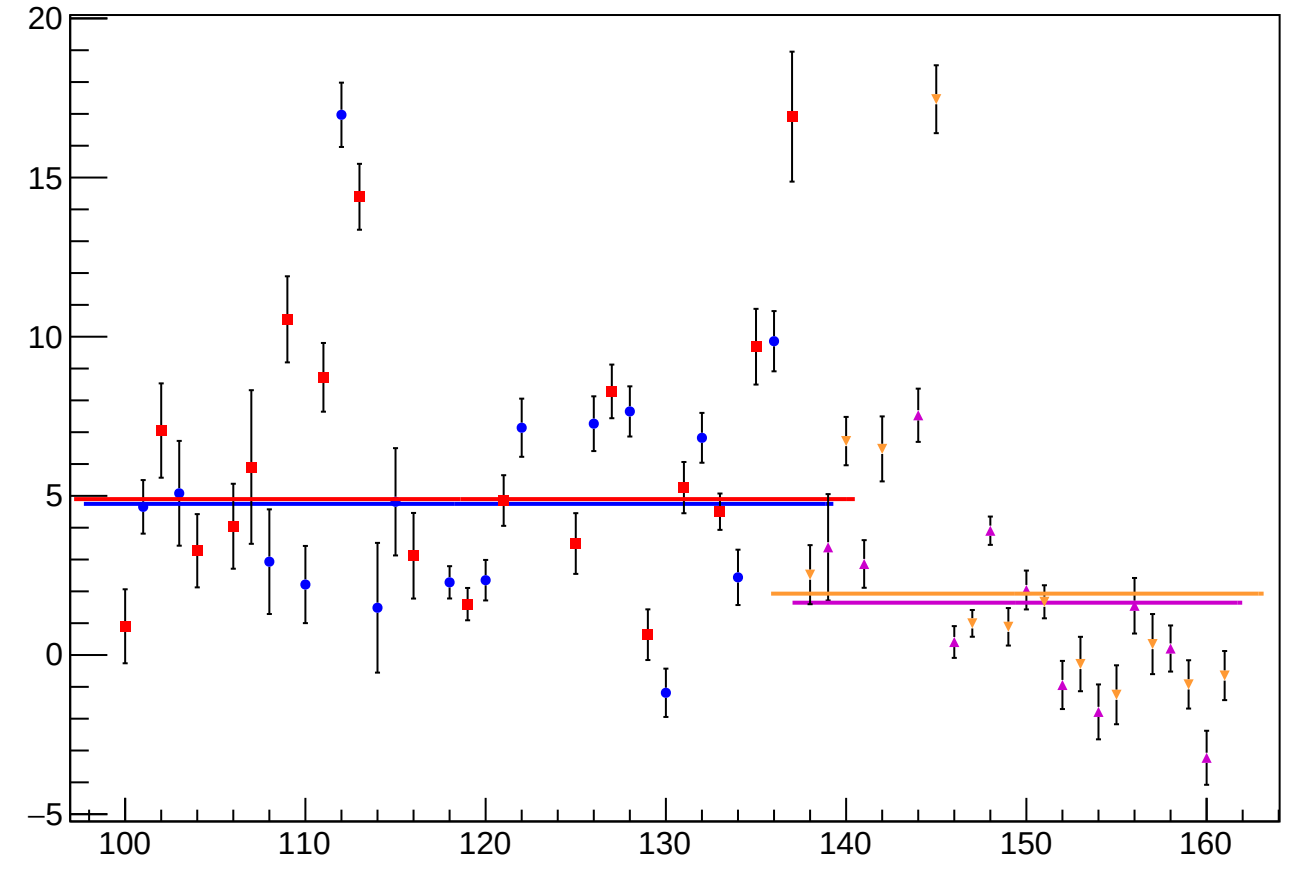
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -43.661+/-0.314 χ²/NDF:485.1/11
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.653+/-0.317 χ²/NDF:204.8/10
Left: -43.657+/-0.223 χ²/NDF: 690.0/22
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.791+/-0.180 χ²/NDF:1905.8/26
Out: -36.284+/-0.175 χ²/NDF:3458.7/29
All: -36.531+/-0.126 χ²/NDF: 5368.5/56



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.928+/-0.204 χ^2/NDF:327.0/11

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.644+/-0.208 χ^2/NDF:150.1/10

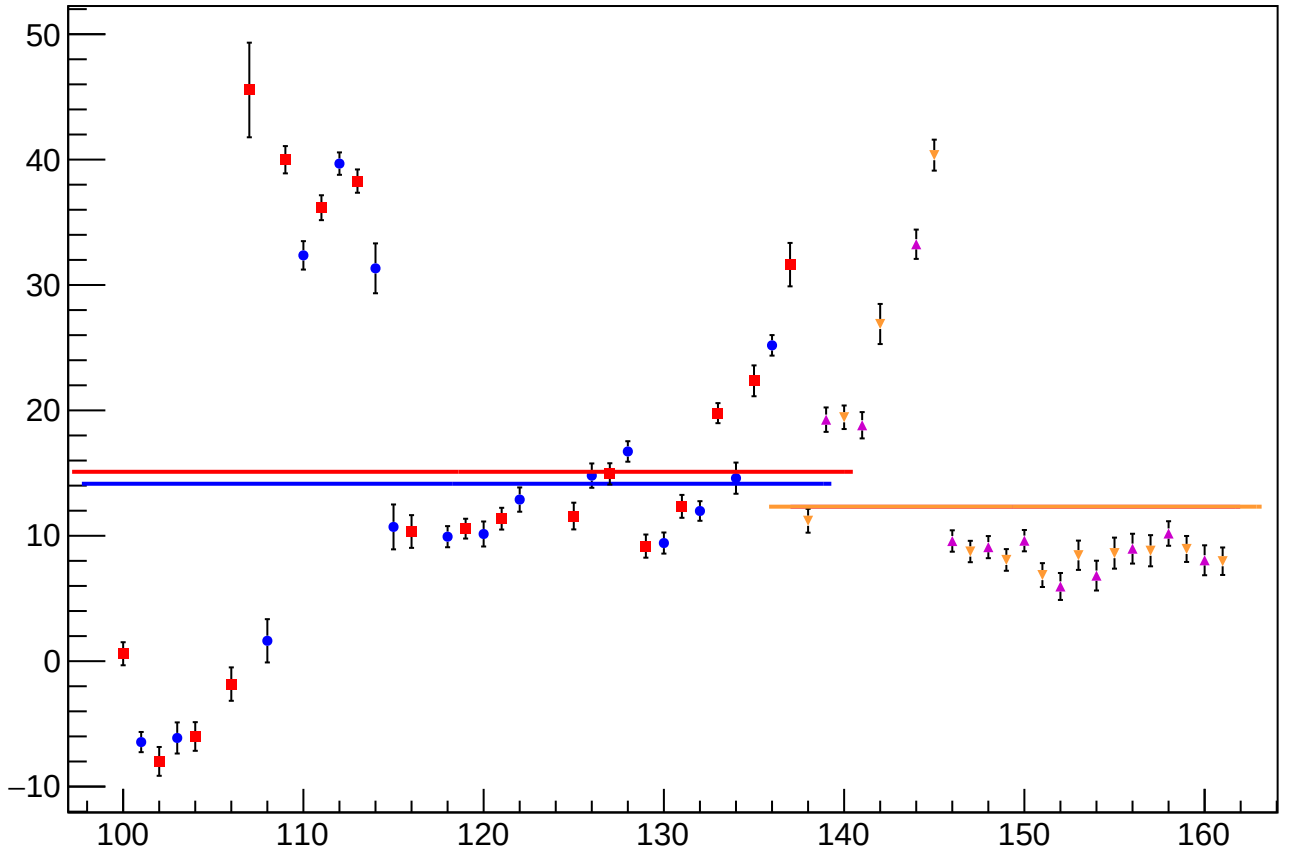
Left: 1.789+/-0.146 χ^2/NDF: 478.0/22

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.114+/-0.151 χ^2/NDF:580.9/26

Out: 3.301+/-0.150 χ^2/NDF:698.1/29

All: 3.209+/-0.106 χ^2/NDF: 1279.8/56



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.322+/-0.303 χ^2/NDF:786.3/11

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 12.310+/-0.305 χ^2/NDF:525.5/10

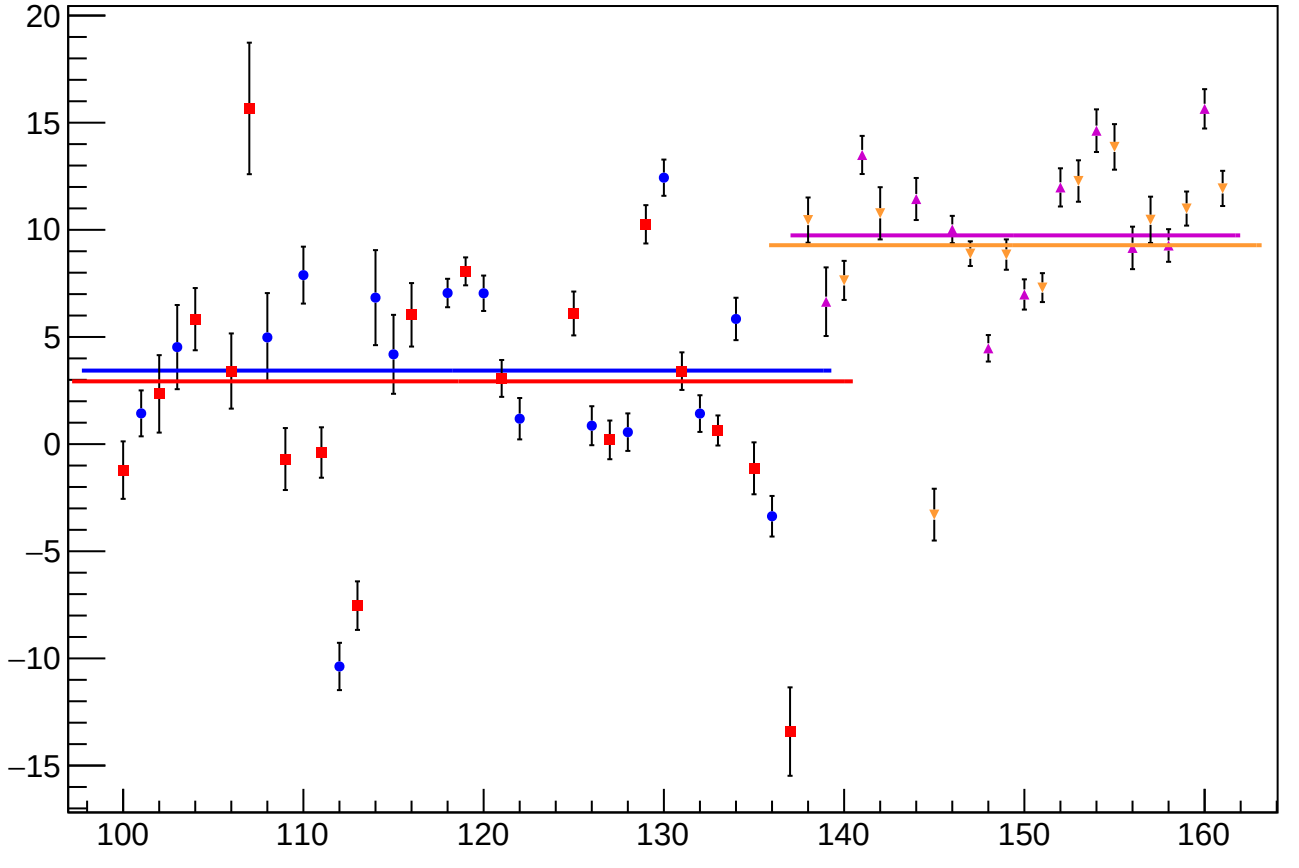
Left: 12.316+/-0.215 χ^2/NDF: 1311.8/22

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.419+/-0.192 χ^2/NDF:2949.8/26

Out: 14.019+/-0.189 χ^2/NDF:3940.0/29

All: 13.724+/-0.135 χ^2/NDF: 6894.8/56


reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
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−5
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−15
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120
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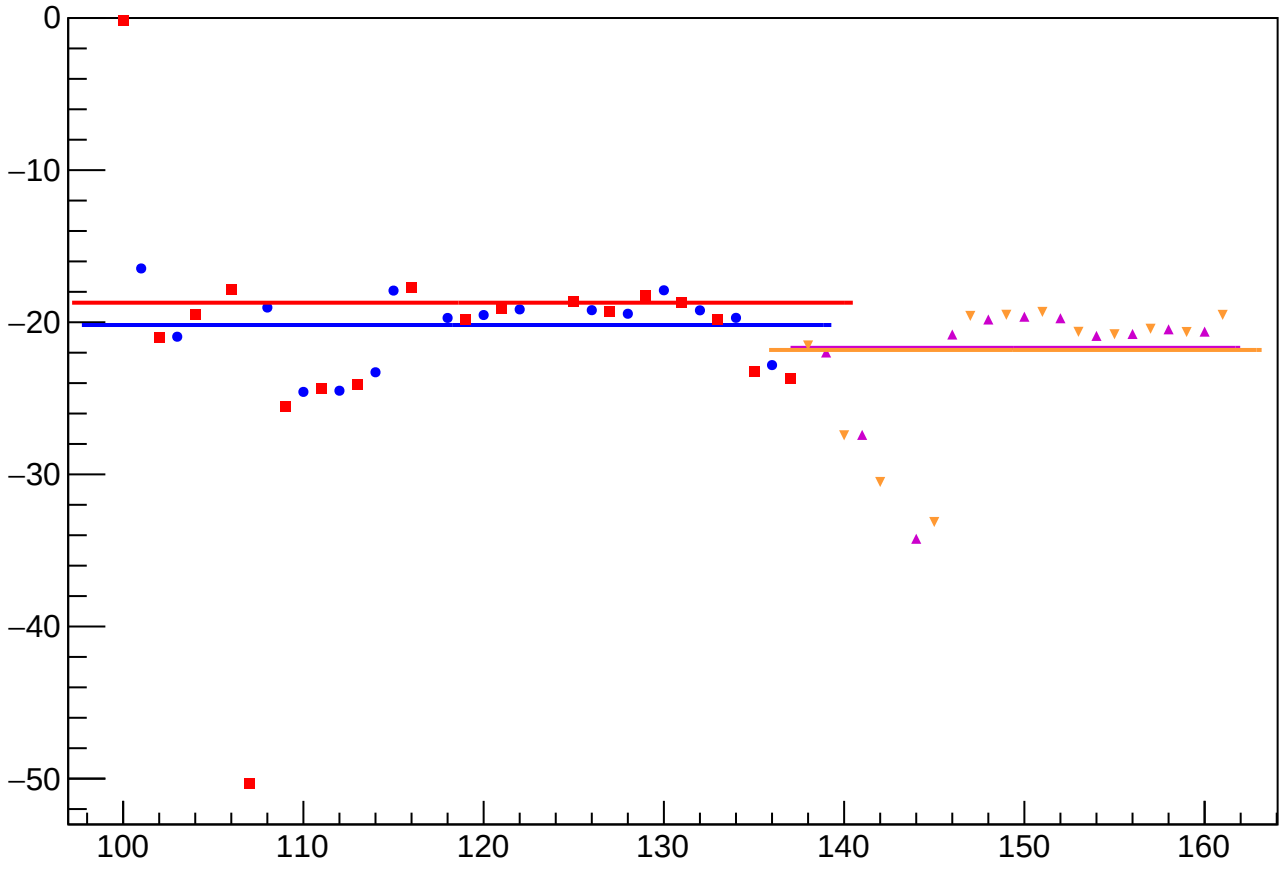
140
150
160
Right In: 3.432+/-0.254 χ²/NDF: 424.0/15
Left Out: 9.282+/-0.246 χ²/NDF:168.0/11
Right Out: 2.929+/-0.253 χ²/NDF: 367.7/17
Left In: 9.741+/-0.250 χ²/NDF:185.0/10
Left: 9.508+/-0.175 χ²/NDF: 354.7/22
Right: 3.179+/-0.179 χ²/NDF: 793.7/33
In: 6.637+/-0.178 χ²/NDF:921.9/26
Out: 6.200+/-0.176 χ²/NDF:859.6/29
All: 6.416+/-0.125 χ²/NDF: 1784.5/56



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.820+/-0.012 χ^2/NDF:108844.3/11

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.681+/-0.012 χ^2/NDF:87196.2/10

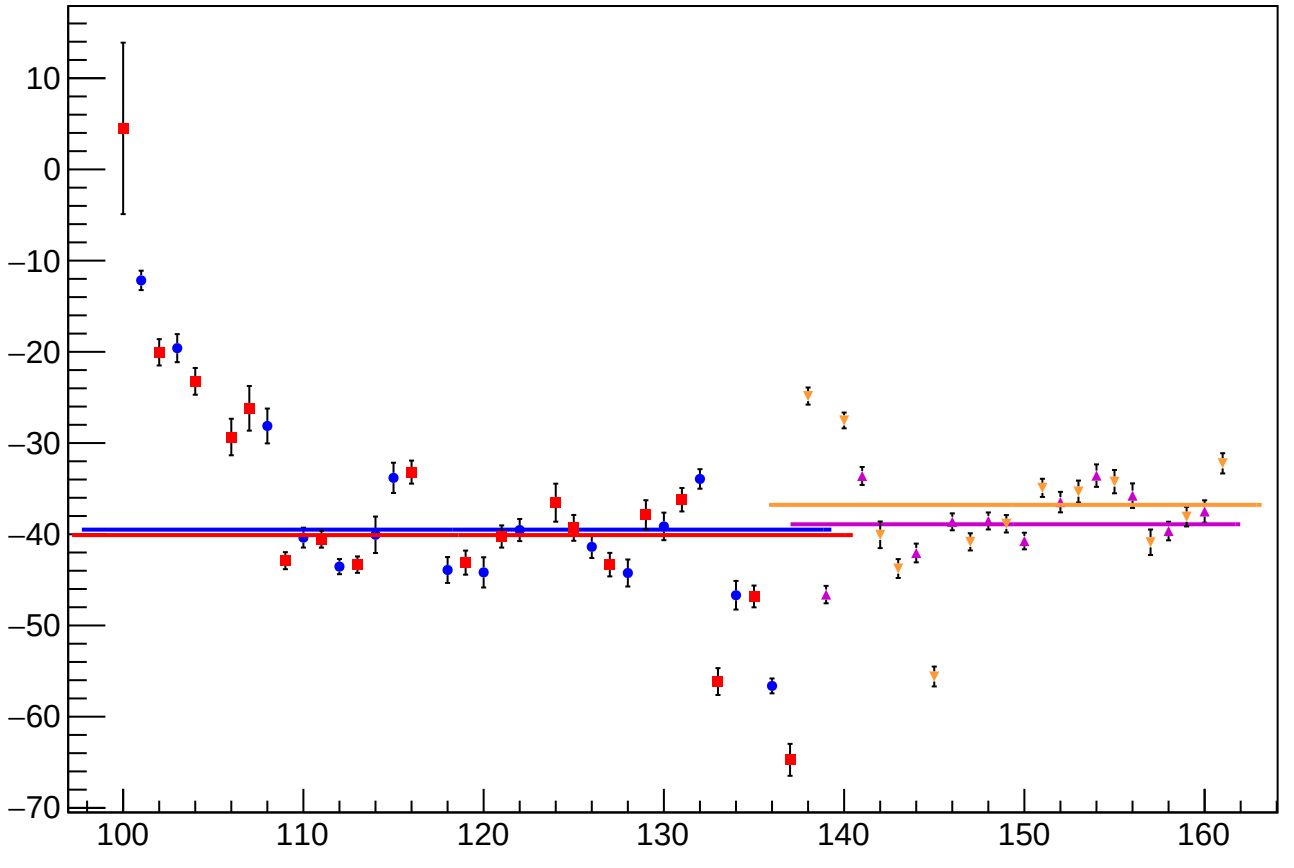
Left: -21.750+/-0.008 χ^2/NDF: 196112.6/22

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.170+/-0.009 χ^2/NDF:112818.7/26

Out: -20.705+/-0.009 χ^2/NDF:369036.3/29

All: -20.937+/-0.007 χ^2/NDF: 483093.2/56



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.776+/-0.296 χ^2/NDF:683.8/12

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -38.906+/-0.313 χ^2/NDF:138.6/10

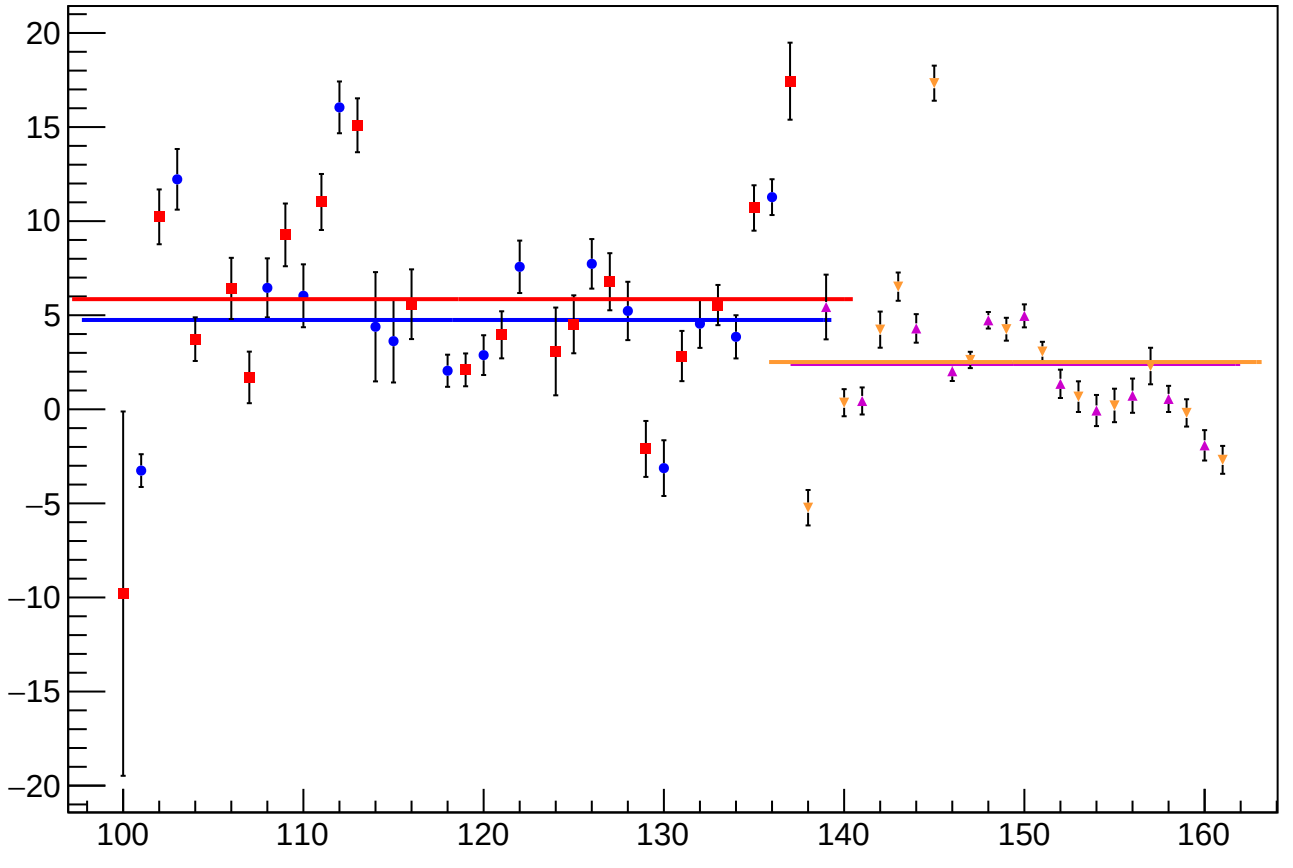
Left: -37.781+/-0.215 χ^2/NDF: 846.9/23

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.201+/-0.220 χ^2/NDF:1557.5/26

Out: -38.370+/-0.213 χ^2/NDF:1579.1/31

All: -38.771+/-0.153 χ^2/NDF: 3144.0/58


reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
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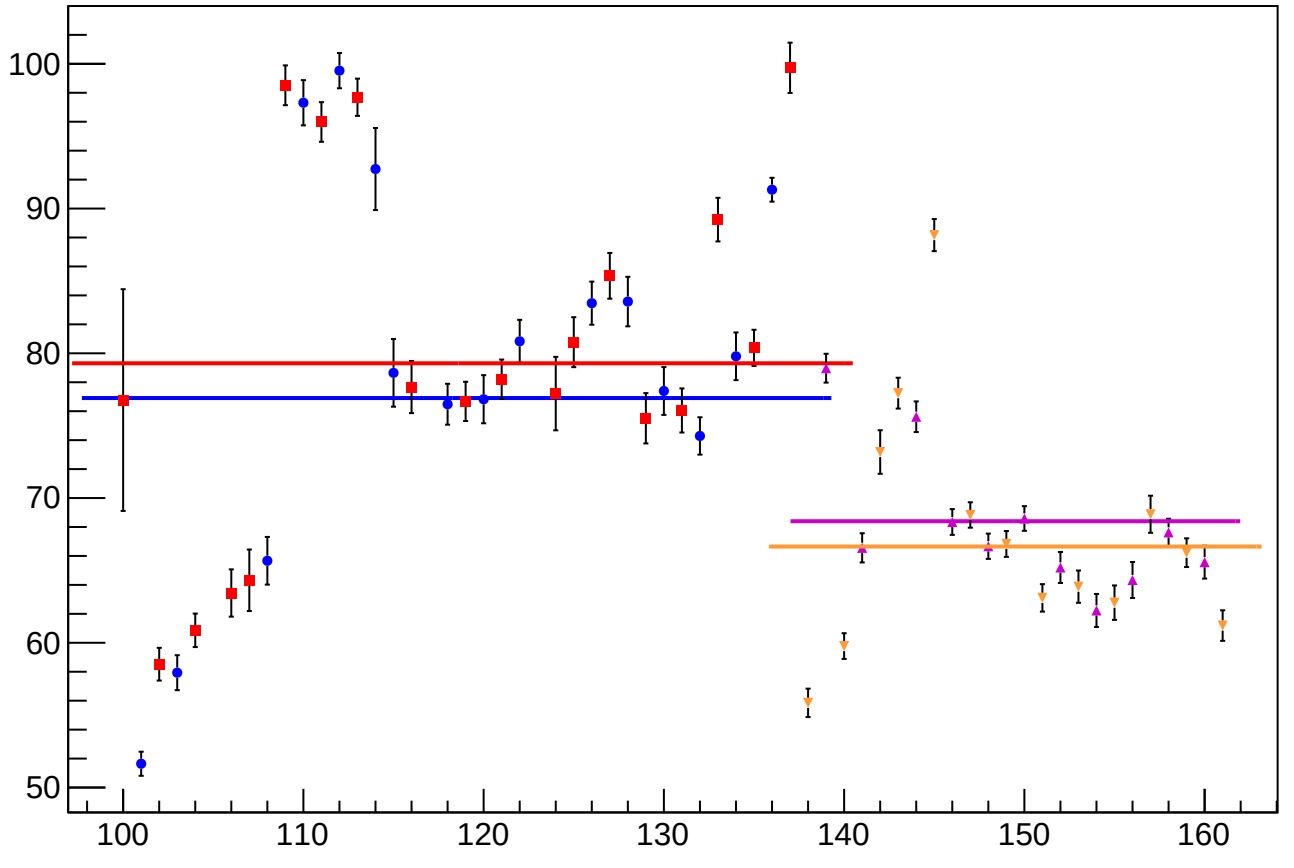
150
160
Right In: 4.747+/-0.316 χ²/NDF: 273.8/15
Left Out: 2.512+/-0.195 χ²/NDF:445.2/12
Right Out: 5.854+/-0.324 χ²/NDF: 187.6/18
Left In: 2.407+/-0.206 χ²/NDF:112.9/10
Left: 2.463+/-0.142 χ²/NDF: 558.2/23
Right: 5.287+/-0.226 χ²/NDF: 467.4/34
In: 3.105+/-0.172 χ²/NDF:425.2/26
Out: 3.400+/-0.167 χ²/NDF:711.0/31
All: 3.257+/-0.120 χ²/NDF: 1137.7/58



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 66.649+/-0.287 χ^2/NDF:742.7/12

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 68.399+/-0.301 χ^2/NDF:222.2/10

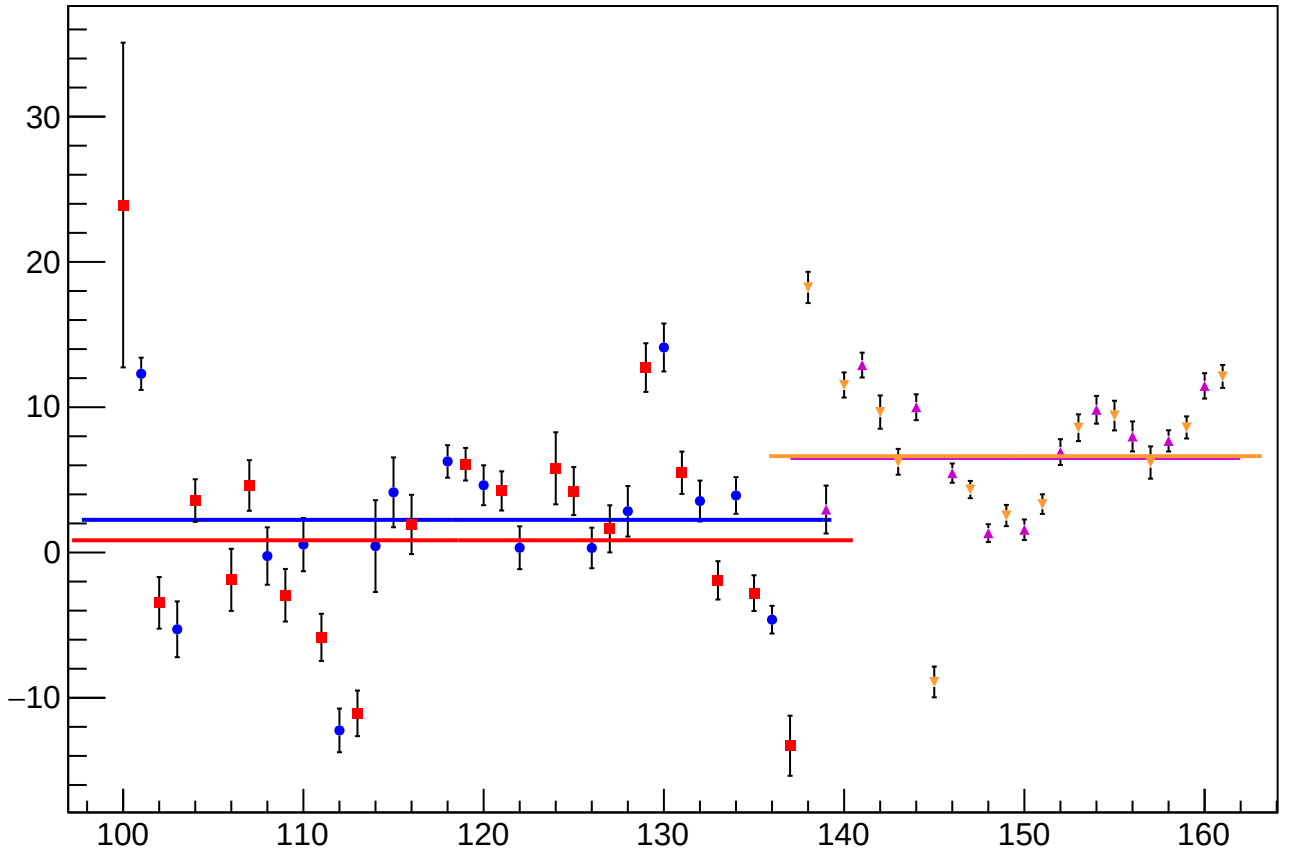
Left: 67.483+/-0.208 χ^2/NDF: 982.6/23

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 72.177+/-0.224 χ^2/NDF:2693.1/26

Out: 71.778+/-0.221 χ^2/NDF:3027.2/31

All: 71.975+/-0.158 χ^2/NDF: 5721.9/58



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.632+/-0.234 χ^2/NDF:508.3/12

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 6.508+/-0.247 χ^2/NDF:247.7/10

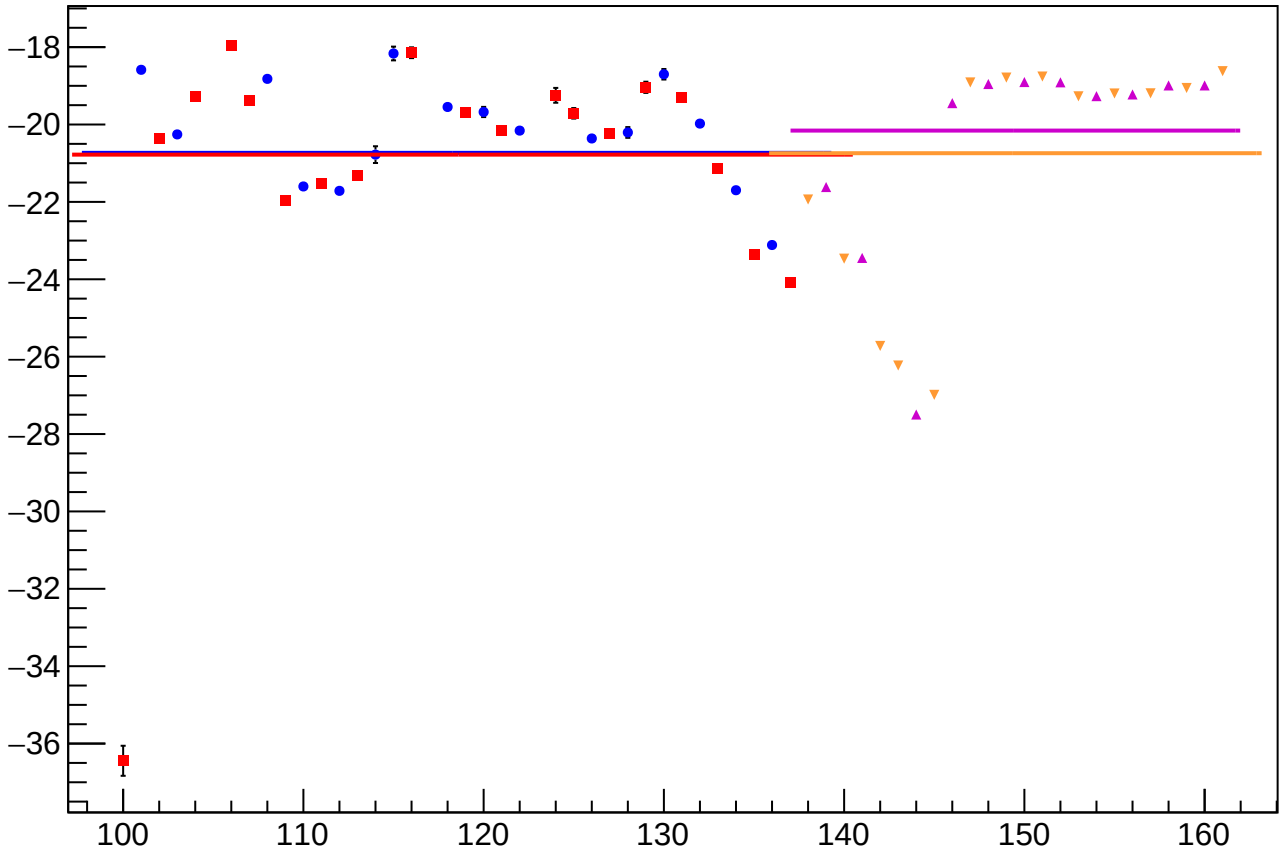
Left: 6.573+/-0.170 χ^2/NDF: 756.2/23

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 5.162+/-0.204 χ^2/NDF:661.5/26

Out: 4.992+/-0.198 χ^2/NDF:938.3/31

All: 5.075+/-0.142 χ^2/NDF: 1600.2/58



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.741+/-0.011 χ^2/NDF:65598.4/12

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.157+/-0.011 χ^2/NDF:39070.6/10

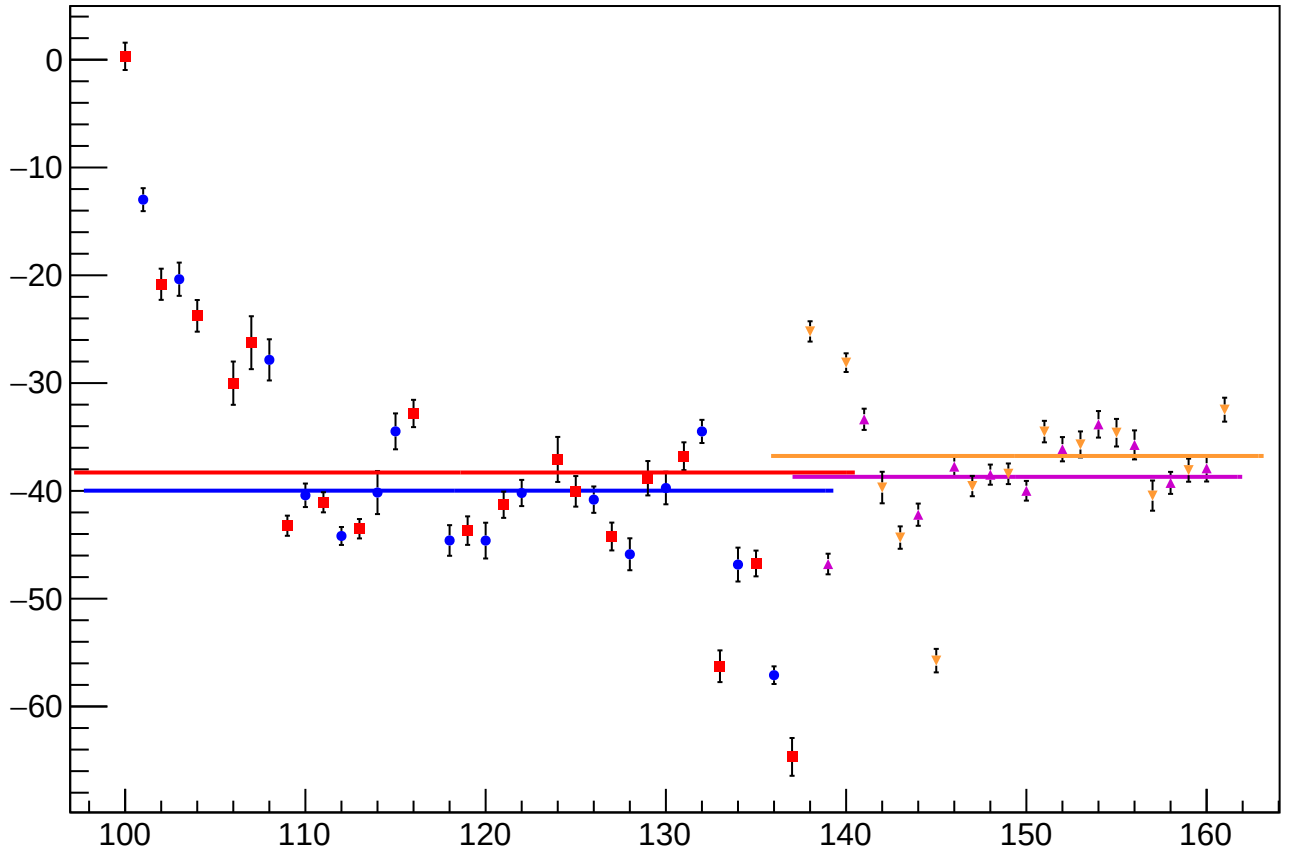
Left: -20.457+/-0.008 χ^2/NDF: 106019.4/23

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.305+/-0.010 χ^2/NDF:47357.8/26

Out: -20.750+/-0.010 χ^2/NDF:75027.6/31

All: -20.530+/-0.007 χ^2/NDF: 123423.5/58


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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−40
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−60
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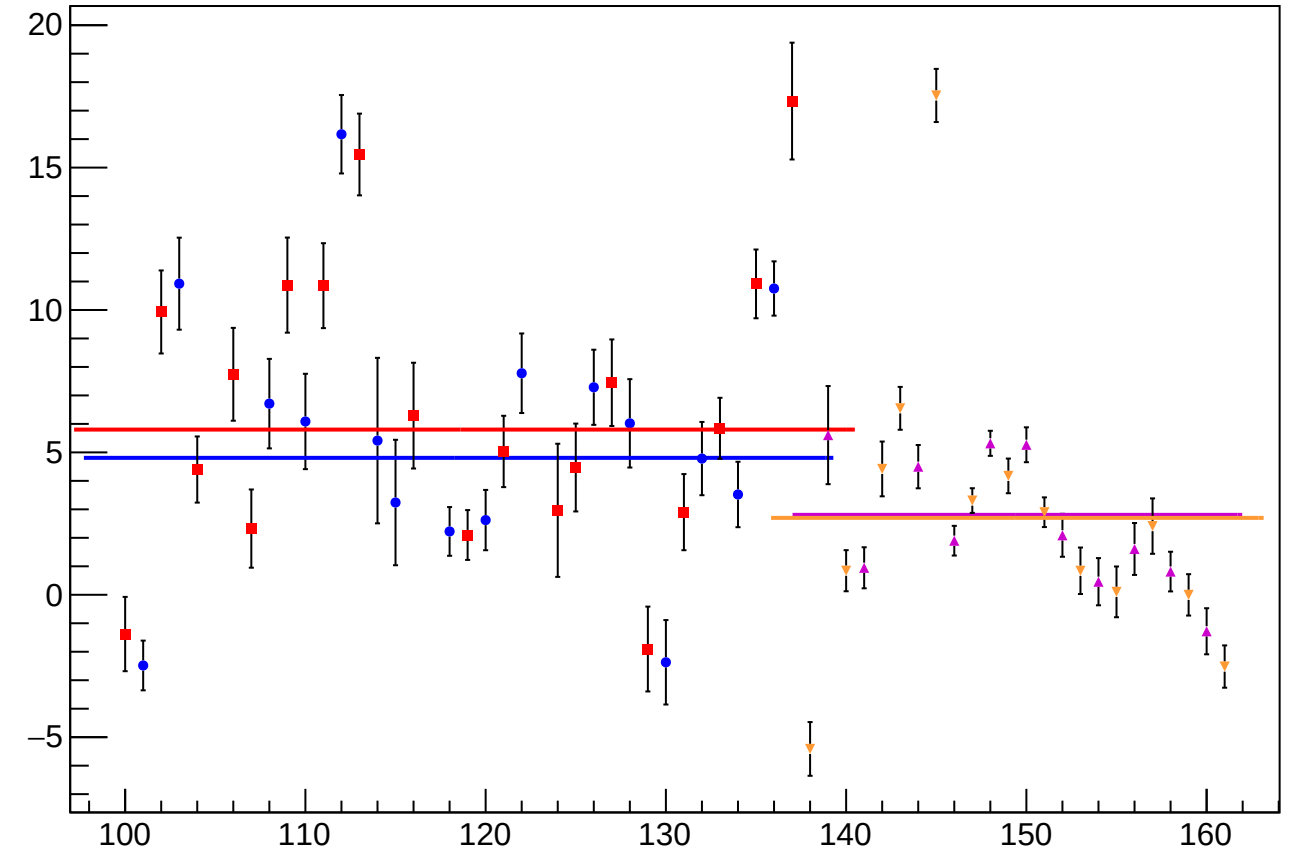
150
160
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -36.760+/-0.296 χ²/NDF:654.6/12
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -38.697+/-0.313 χ²/NDF:142.0/10
Left: -37.674+/-0.215 χ²/NDF: 816.7/23
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -39.343+/-0.221 χ²/NDF:1548.8/26
Out: -37.520+/-0.210 χ²/NDF:2441.6/31
All: -38.388+/-0.152 χ²/NDF: 4026.1/58



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 2.700+/-0.195 χ^2/NDF:447.3/12

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 2.807+/-0.206 χ^2/NDF:110.3/10

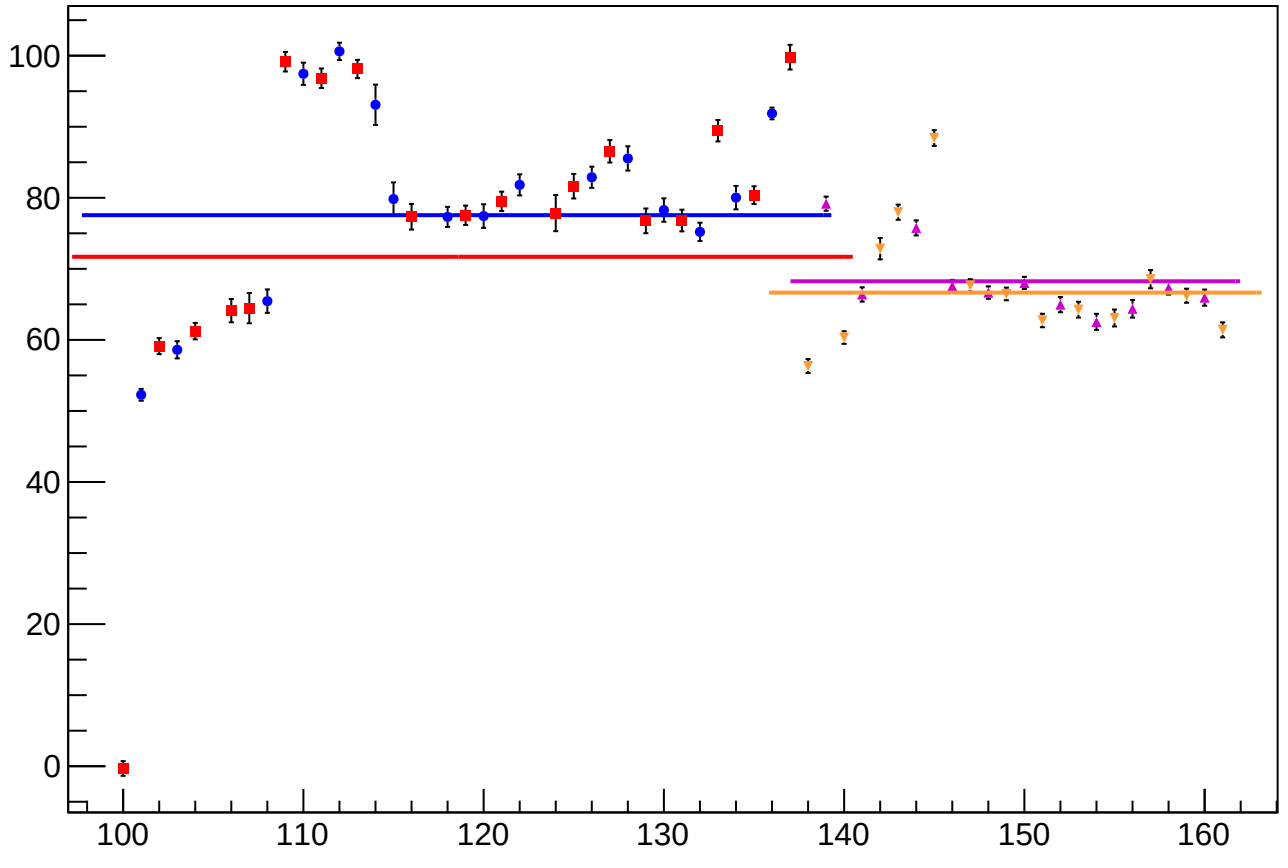
Left: 2.751+/-0.142 χ^2/NDF: 557.8/23

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 3.404+/-0.173 χ^2/NDF:378.9/26

Out: 3.560+/-0.166 χ^2/NDF:733.7/31

All: 3.485+/-0.120 χ^2/NDF: 1113.1/58



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 66.651+/-0.287 χ^2/NDF:733.5/12

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 68.250+/-0.302 χ^2/NDF:226.6/10

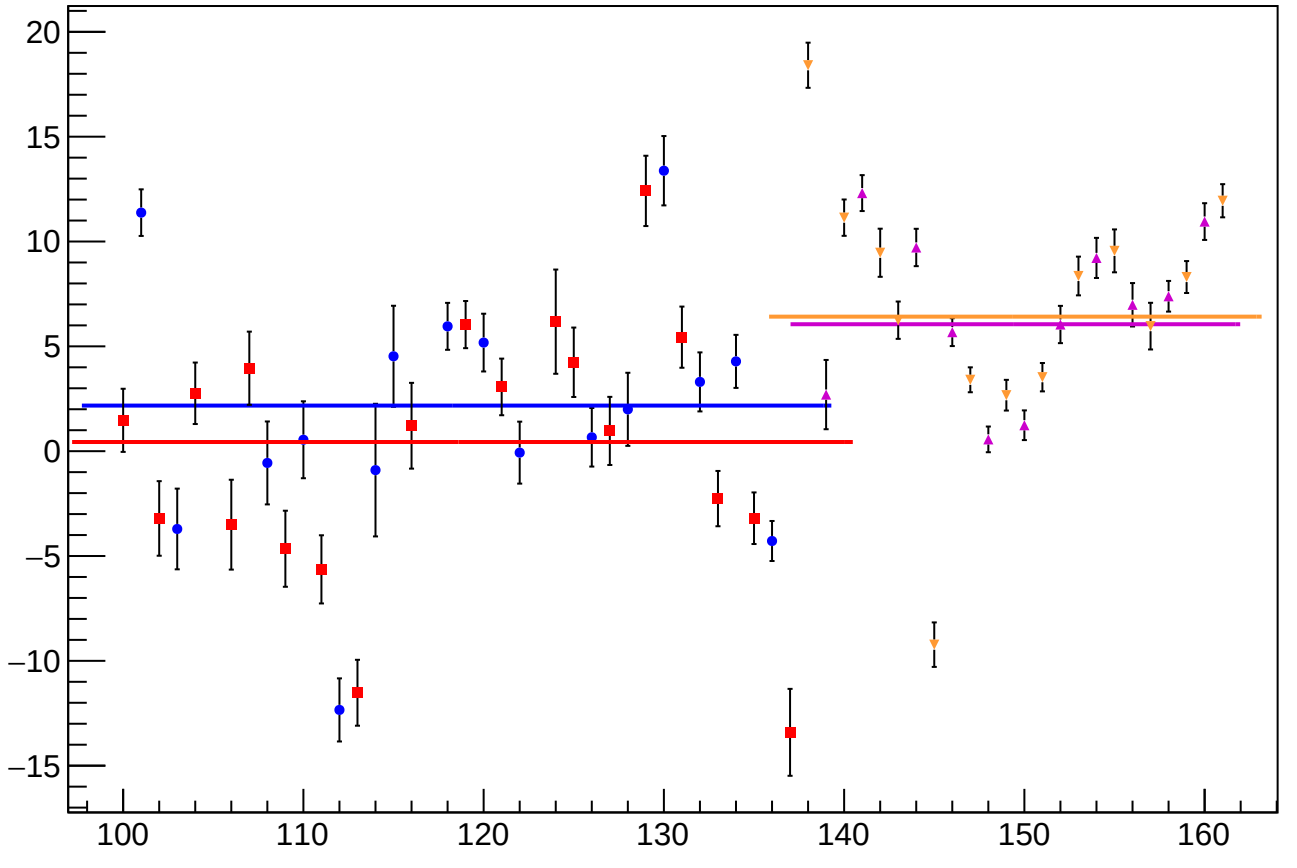
Left: 67.413+/-0.208 χ^2/NDF: 974.9/23

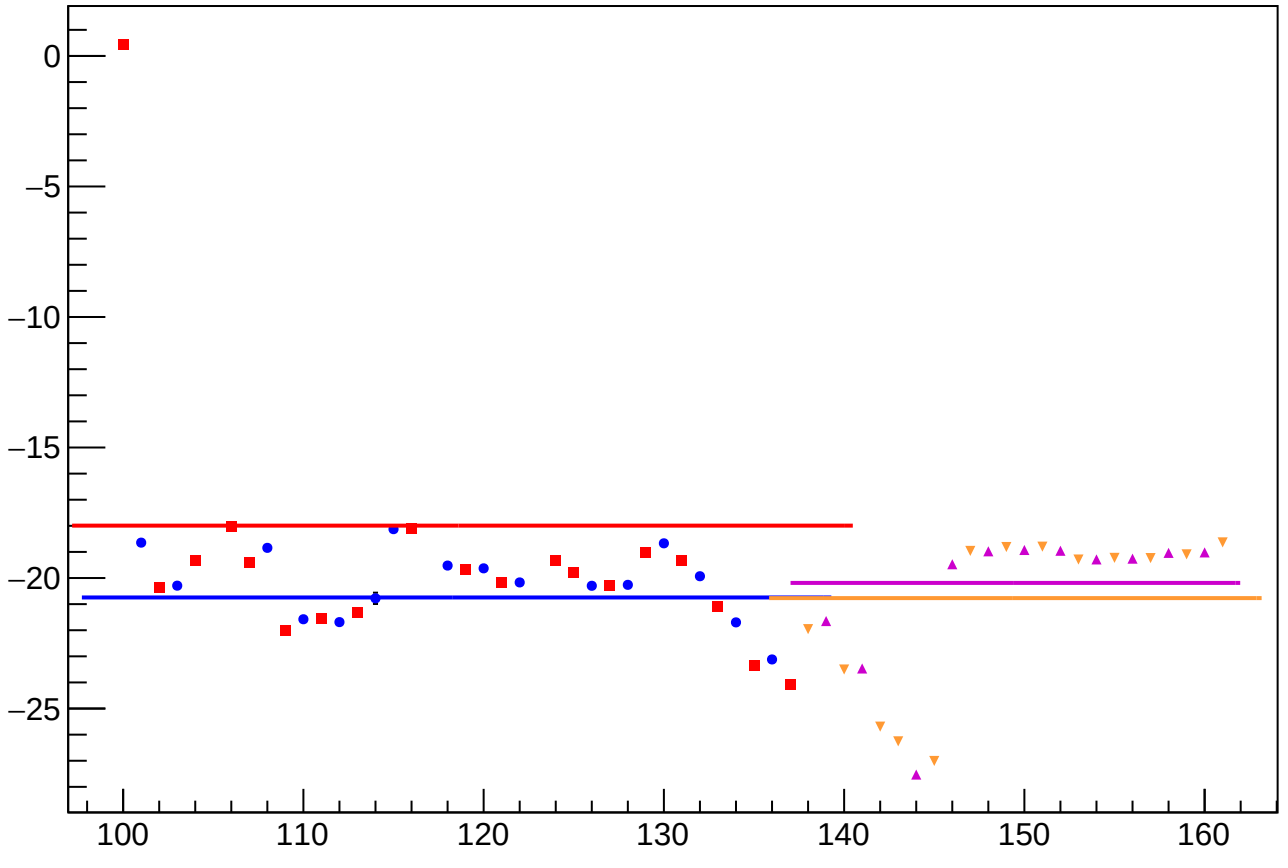
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

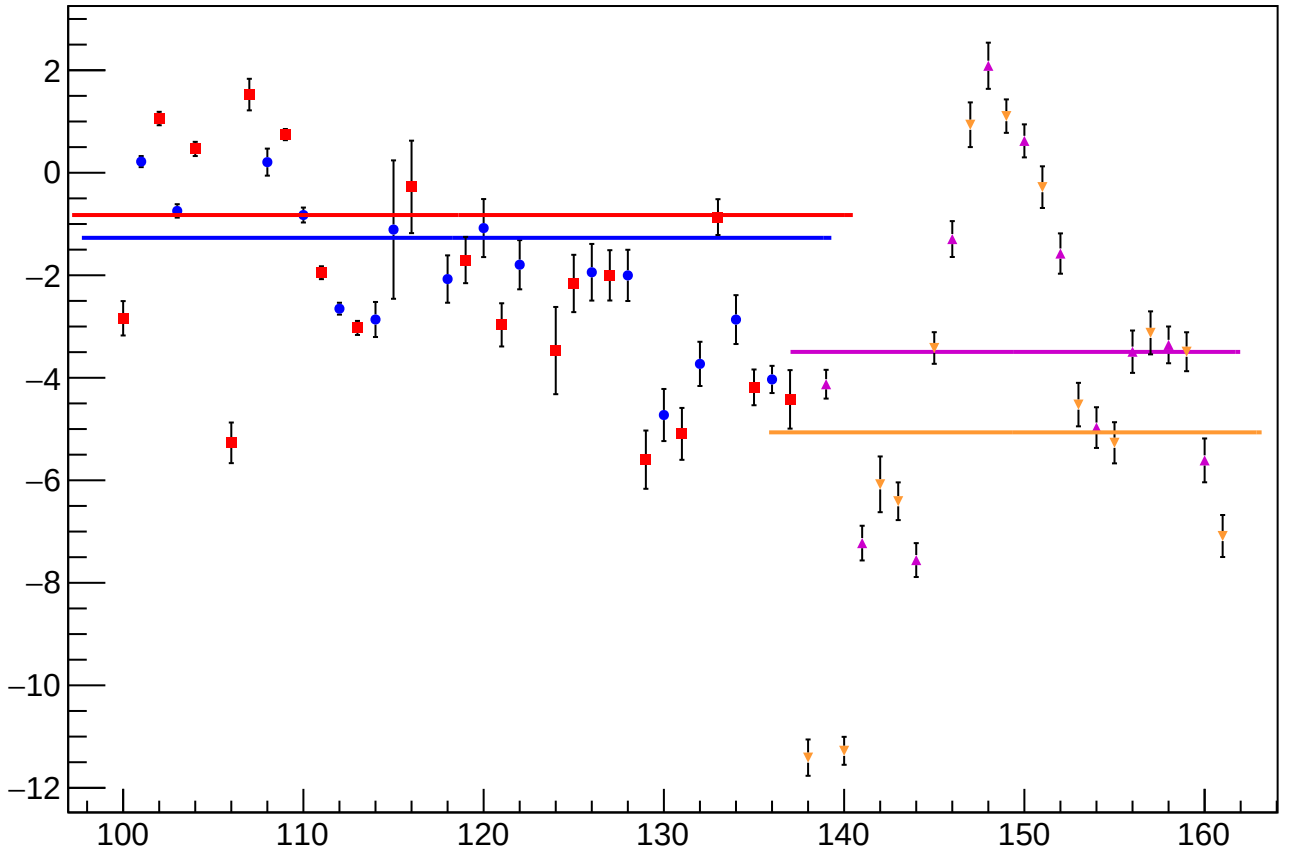
In: 72.382+/-0.225 χ^2/NDF:2767.6/26

Out: 68.826+/-0.217 χ^2/NDF:7769.8/31

All: 70.540+/-0.156 χ^2/NDF: 10667.1/58


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 6.417+/-0.234 χ²/NDF:517.3/12
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 6.055+/-0.247 χ²/NDF:247.5/10
Left: 6.246+/-0.170 χ²/NDF: 765.9/23
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 4.829+/-0.204 χ²/NDF:615.7/26
Out: 4.653+/-0.197 χ²/NDF:963.8/31
All: 4.737+/-0.142 χ²/NDF: 1579.9/58


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.769+/-0.011 χ²/NDF:65153.7/12
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -20.187+/-0.011 χ²/NDF:38898.6/10
Left: -20.487+/-0.008 χ²/NDF: 105386.9/23
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.330+/-0.010 χ²/NDF:47022.5/26
Out: -20.056+/-0.010 χ²/NDF:231801.5/31
All: -20.189+/-0.007 χ²/NDF: 279223.8/58



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.065+/-0.103 χ^2/NDF:1634.7/12

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.495+/-0.108 χ^2/NDF:695.9/10

Left: -4.317+/-0.075 χ^2/NDF: 2440.6/23

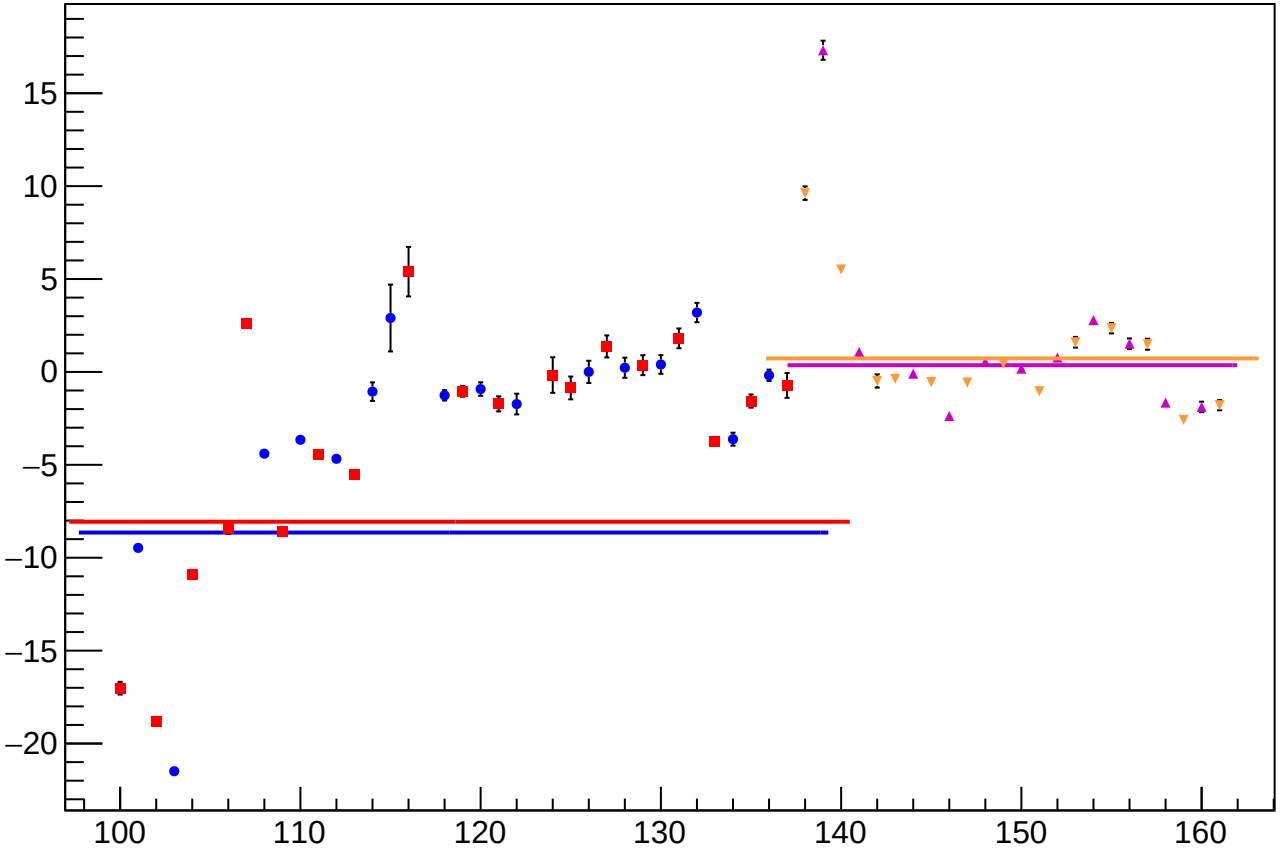
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.719+/-0.049 χ^2/NDF:1649.1/26

Out: -1.657+/-0.046 χ^2/NDF:4372.9/31

All: -1.686+/-0.033 χ^2/NDF: 6022.9/58

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.726+/-0.072 χ^2/NDF:1485.7/12

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.363+/-0.077 χ^2/NDF:1493.1/10

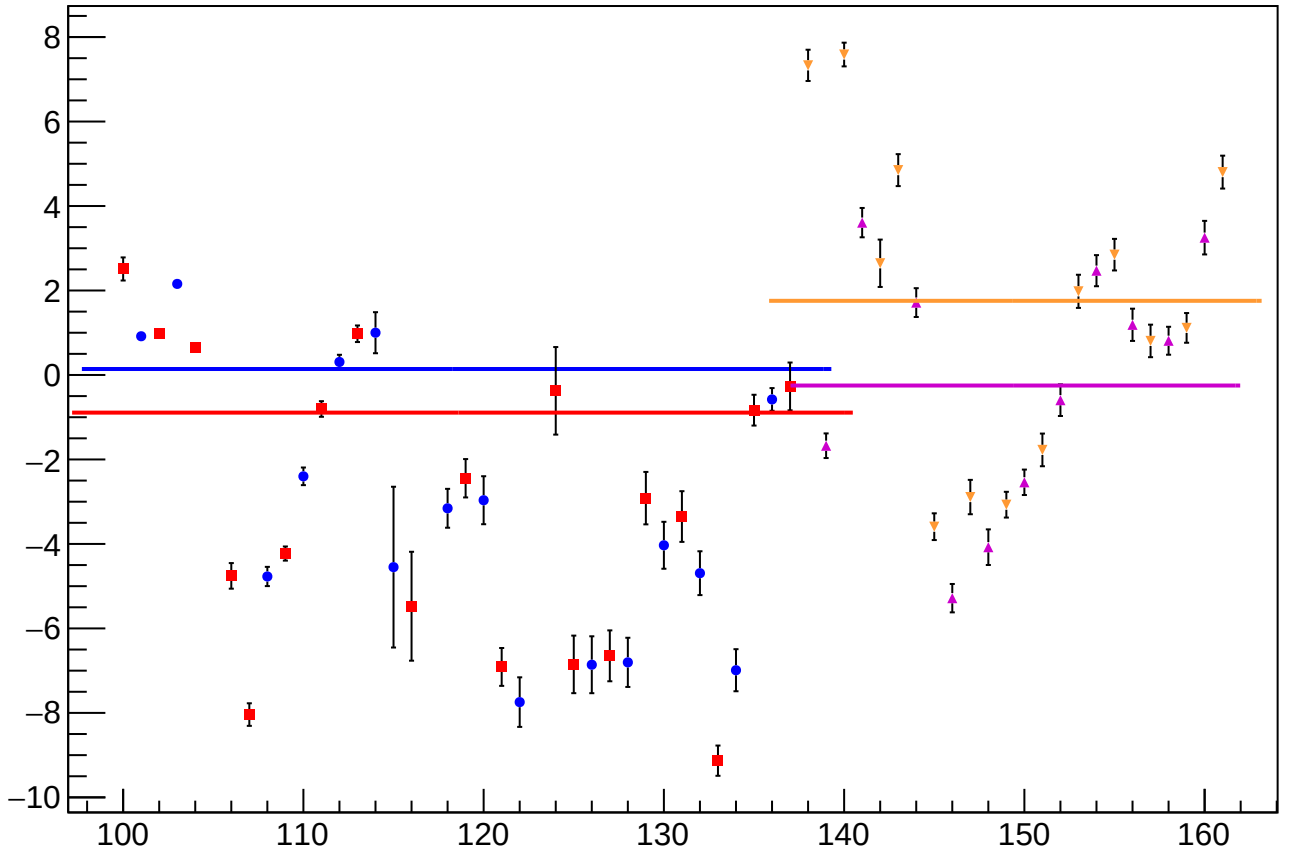
Left: 0.556+/-0.052 χ^2/NDF: 2990.9/23

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.434+/-0.046 χ^2/NDF:24242.0/26

Out: -4.626+/-0.045 χ^2/NDF:25048.7/31

All: -5.023+/-0.032 χ^2/NDF: 49450.0/58



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.756+/-0.101 χ^2/NDF:1557.3/12

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.250+/-0.105 χ^2/NDF:702.4/10

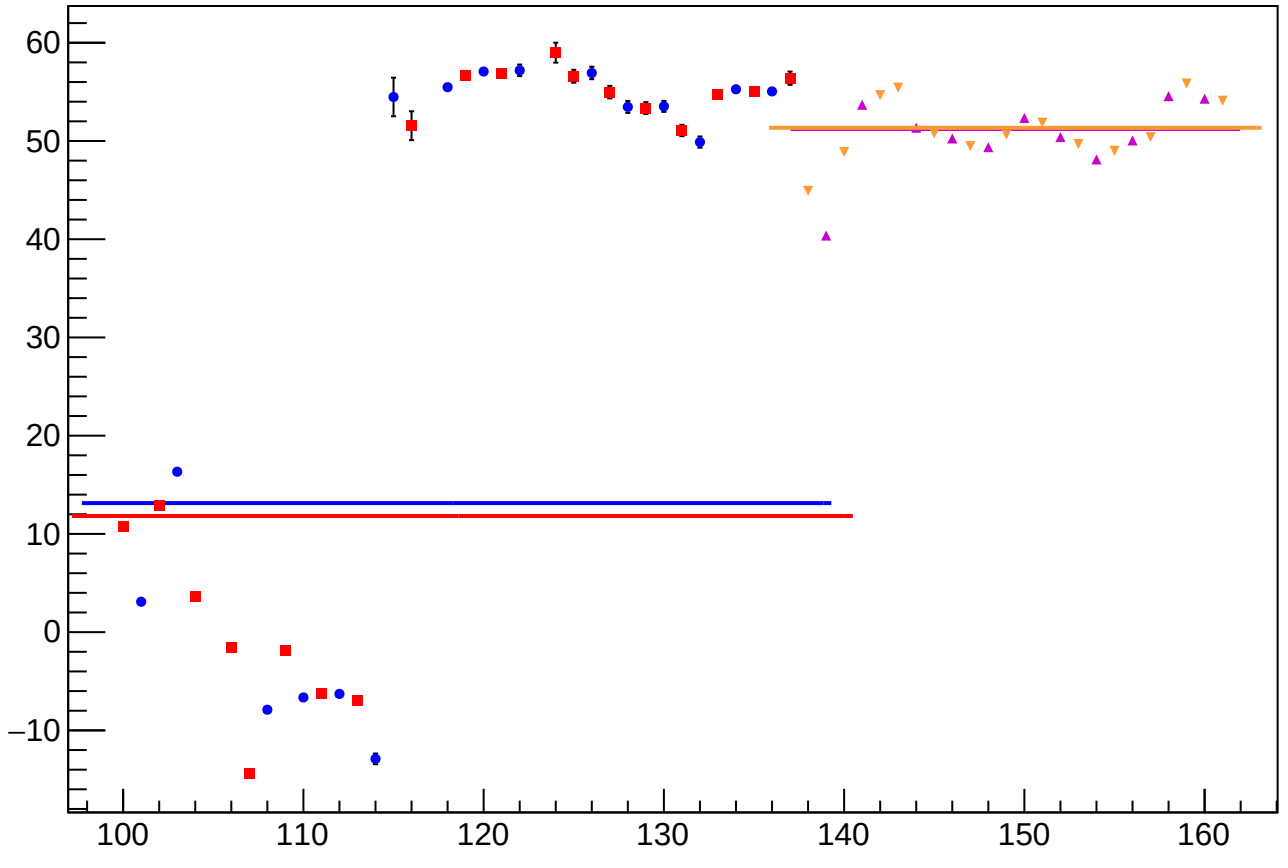
Left: 0.794+/-0.073 χ^2/NDF: 2450.2/23

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.062+/-0.047 χ^2/NDF:2673.3/26

Out: -0.306+/-0.047 χ^2/NDF:5081.6/31

All: -0.122+/-0.033 χ^2/NDF: 7785.2/58



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.344+/-0.084 χ^2/NDF:1065.1/12

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.222+/-0.089 χ^2/NDF:1012.9/10

Left: 51.286+/-0.061 χ^2/NDF: 2079.1/23

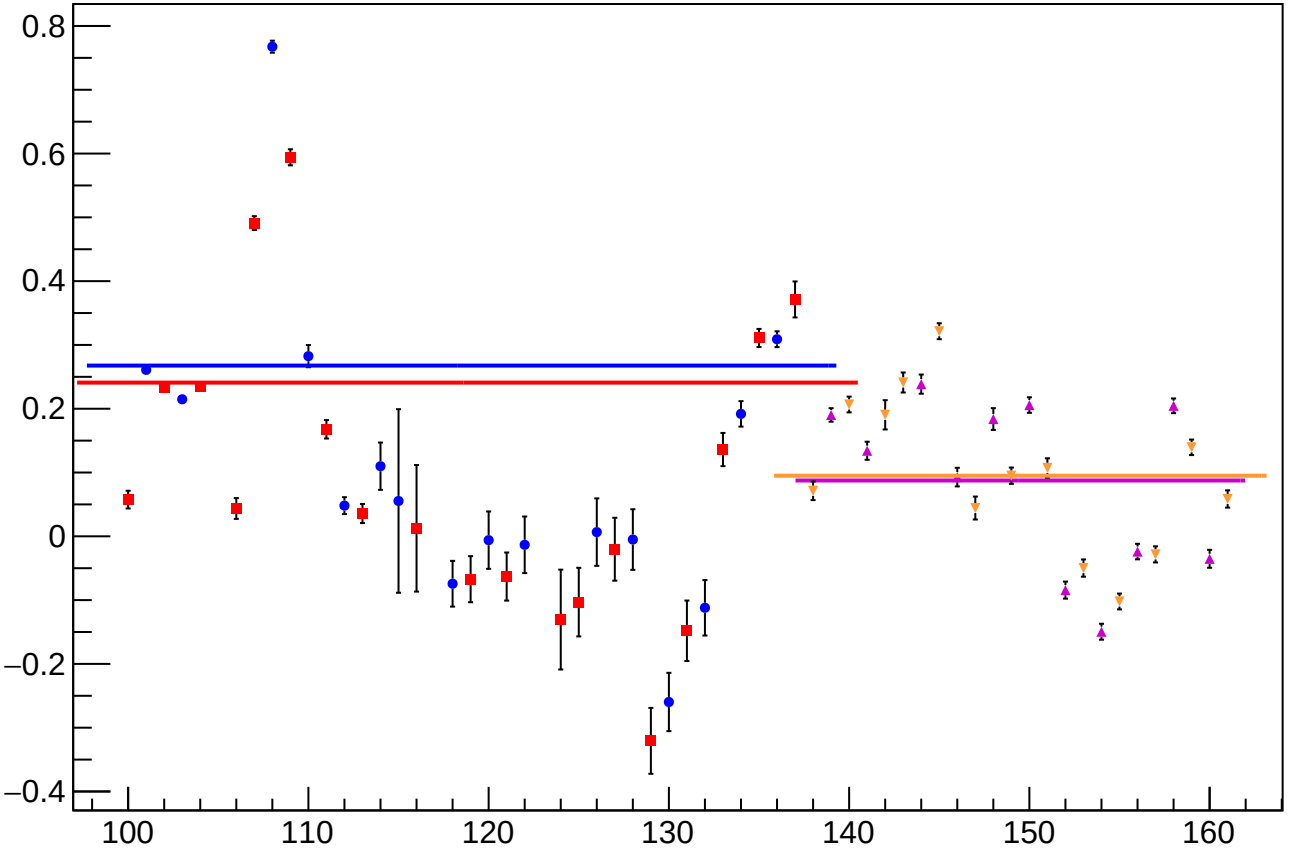
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 27.112+/-0.054 χ^2/NDF:224895.3/26

Out: 27.339+/-0.053 χ^2/NDF:252456.5/31

All: 27.228+/-0.038 χ^2/NDF: 477360.9/58

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.095+/-0.004 χ^2/NDF:1008.5/12

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.088+/-0.004 χ^2/NDF:1121.1/10

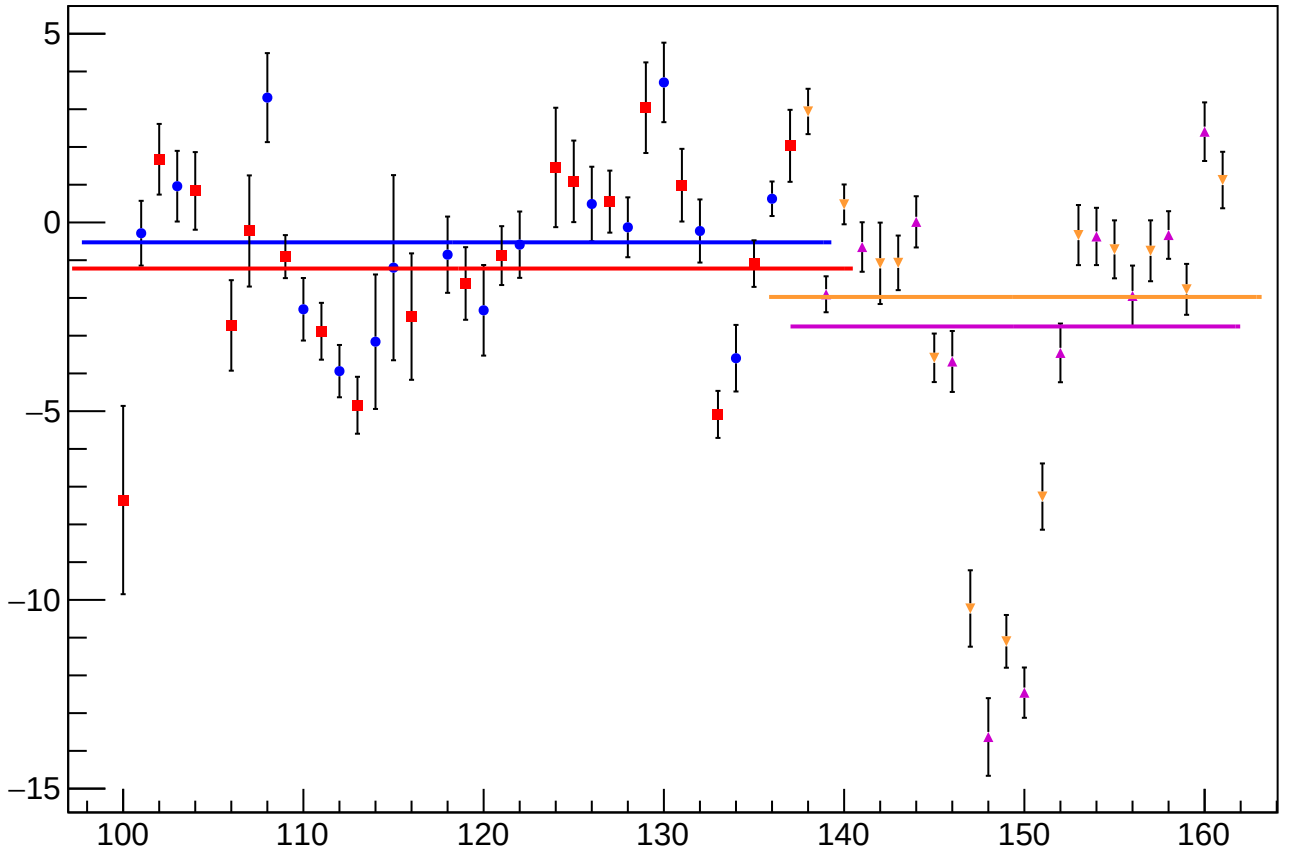
Left: 0.091+/-0.003 χ^2/NDF: 2131.5/23

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.207+/-0.002 χ^2/NDF:6234.6/26

Out: 0.192+/-0.002 χ^2/NDF:4301.6/31

All: 0.199+/-0.002 χ^2/NDF: 10560.2/58



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.974+/-0.201 χ^2/NDF:396.7/12

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -2.756+/-0.210 χ^2/NDF:425.9/10

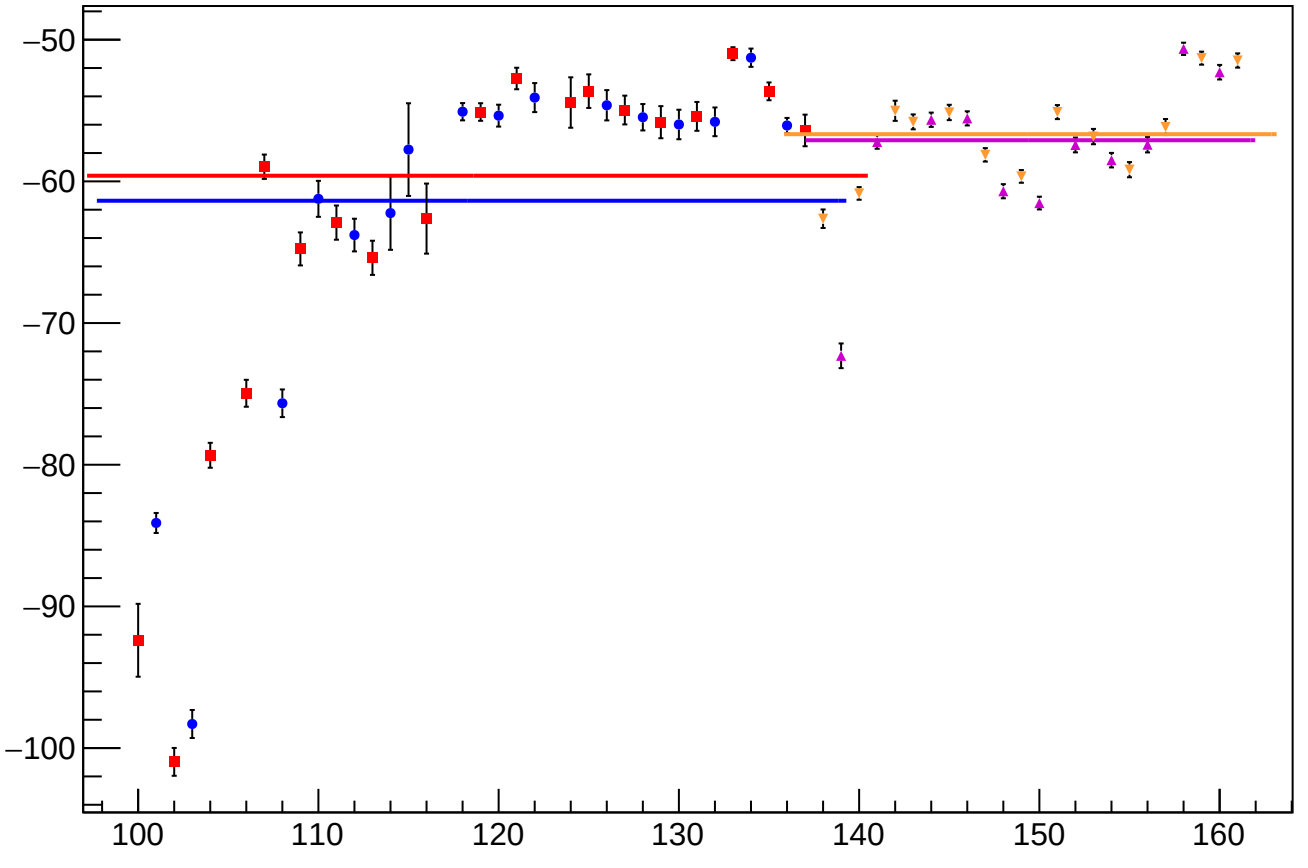
Left: -2.349+/-0.145 χ^2/NDF: 829.9/23

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.680+/-0.151 χ^2/NDF:563.2/26

Out: -1.603+/-0.143 χ^2/NDF:534.5/31

All: -1.640+/-0.104 χ^2/NDF: 1097.9/58



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.669+/-0.144 χ^2/NDF:516.0/12

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -57.097+/-0.154 χ^2/NDF:789.2/10

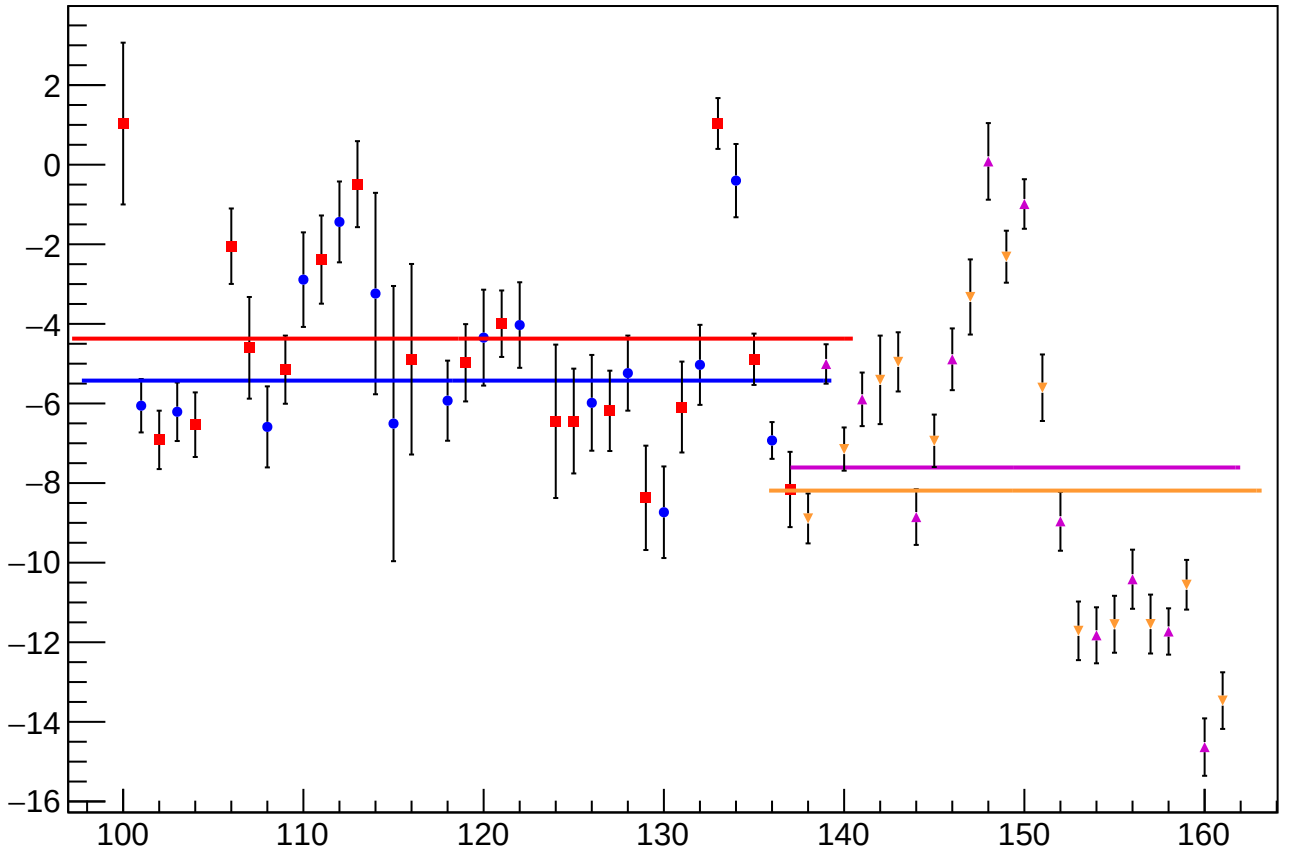
Left: -56.869+/-0.105 χ^2/NDF: 1309.3/23

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.506+/-0.126 χ^2/NDF:4395.1/26

Out: -57.624+/-0.118 χ^2/NDF:4073.0/31

All: -58.037+/-0.086 χ^2/NDF: 8494.2/58



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.189+/-0.196 χ^2/NDF:285.6/12

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -7.609+/-0.203 χ^2/NDF:424.8/10

Left: -7.909+/-0.141 χ^2/NDF: 714.6/23

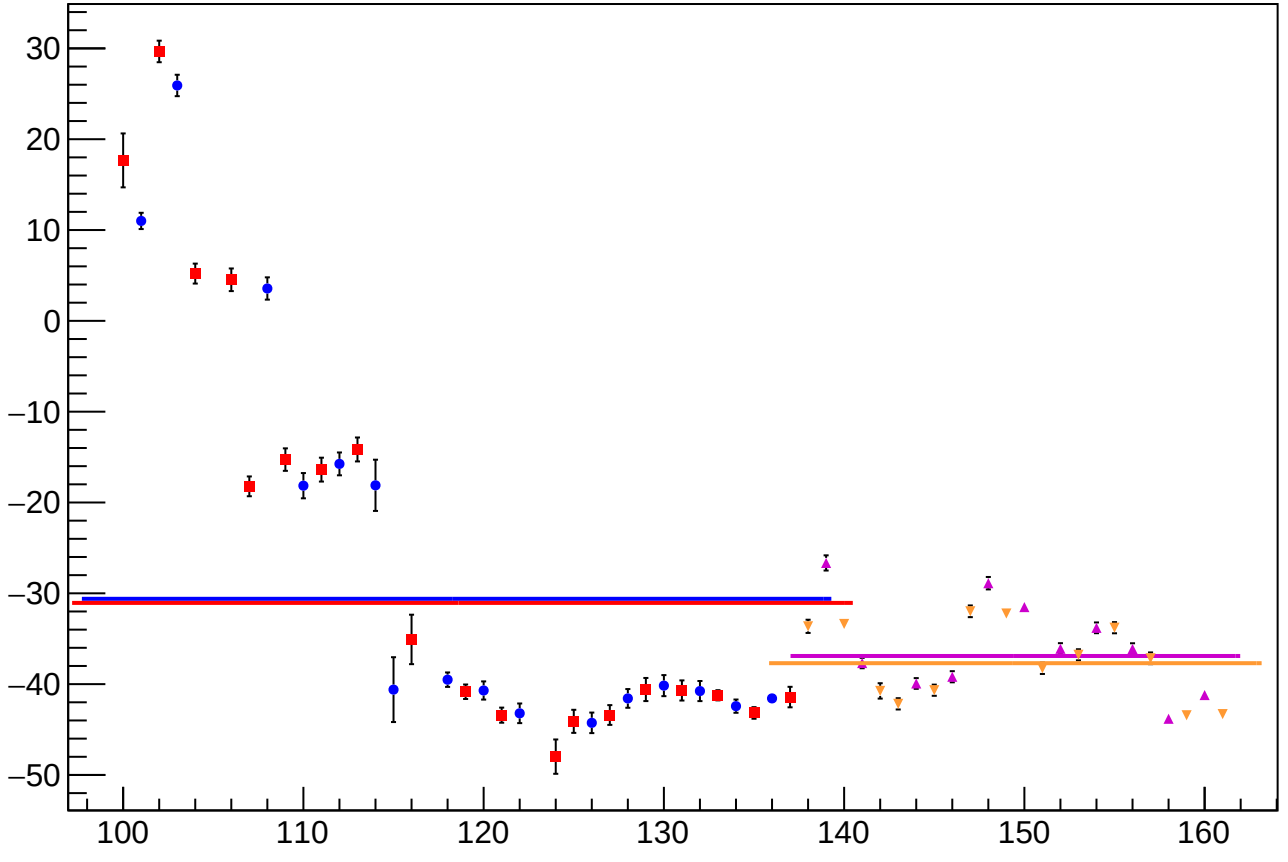
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -6.650+/-0.152 χ^2/NDF:551.4/26

Out: -6.516+/-0.147 χ^2/NDF:607.7/31

All: -6.581+/-0.106 χ^2/NDF: 1159.5/58

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -37.693+/-0.167 χ^2/NDF:662.3/12

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -36.900+/-0.177 χ^2/NDF:758.4/10

Left: -37.320+/-0.121 χ^2/NDF: 1431.3/23

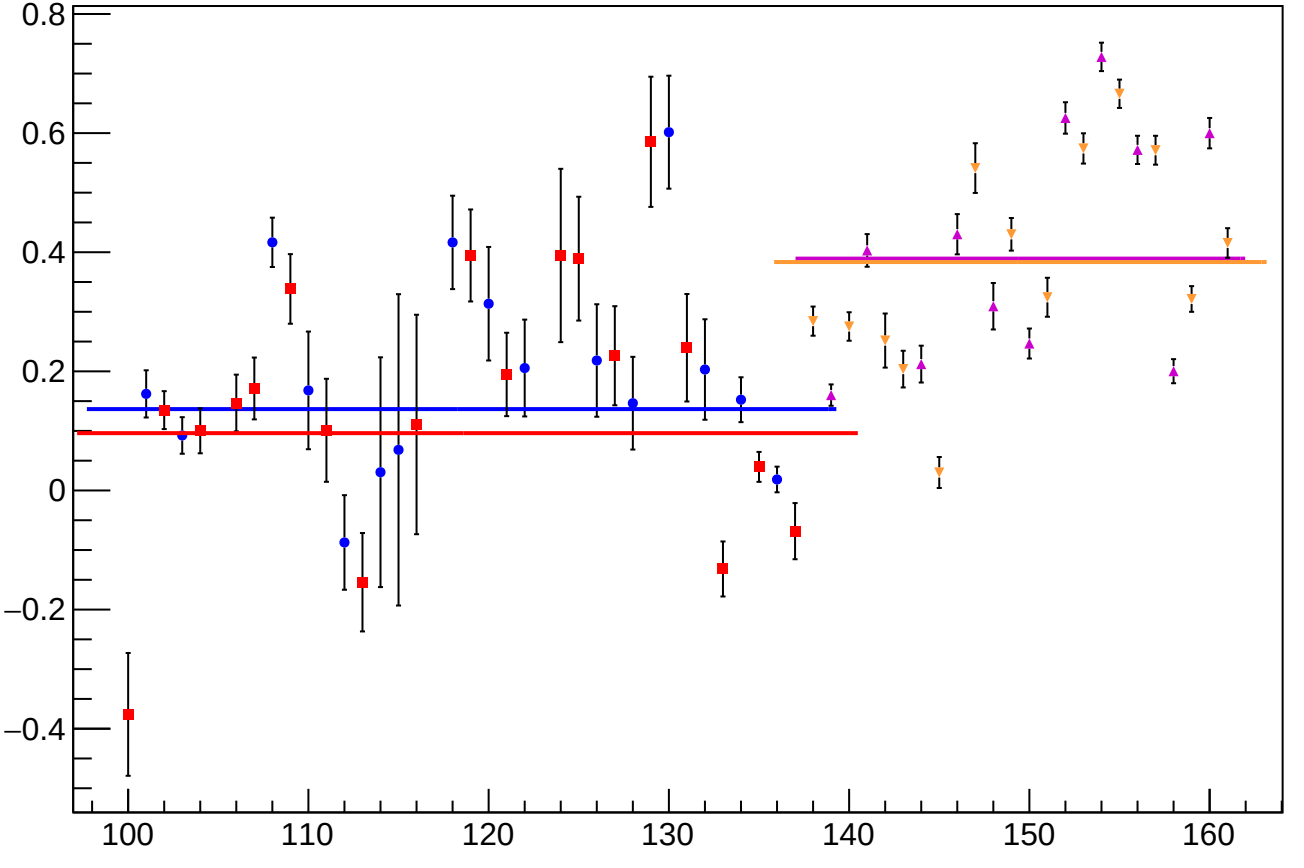
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -34.795+/-0.144 χ^2/NDF:8120.5/26

Out: -35.504+/-0.137 χ^2/NDF:8160.9/31

All: -35.169+/-0.099 χ^2/NDF: 16294.2/58

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.384+/-0.007 χ^2/NDF:551.7/12

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.389+/-0.008 χ^2/NDF:730.2/10

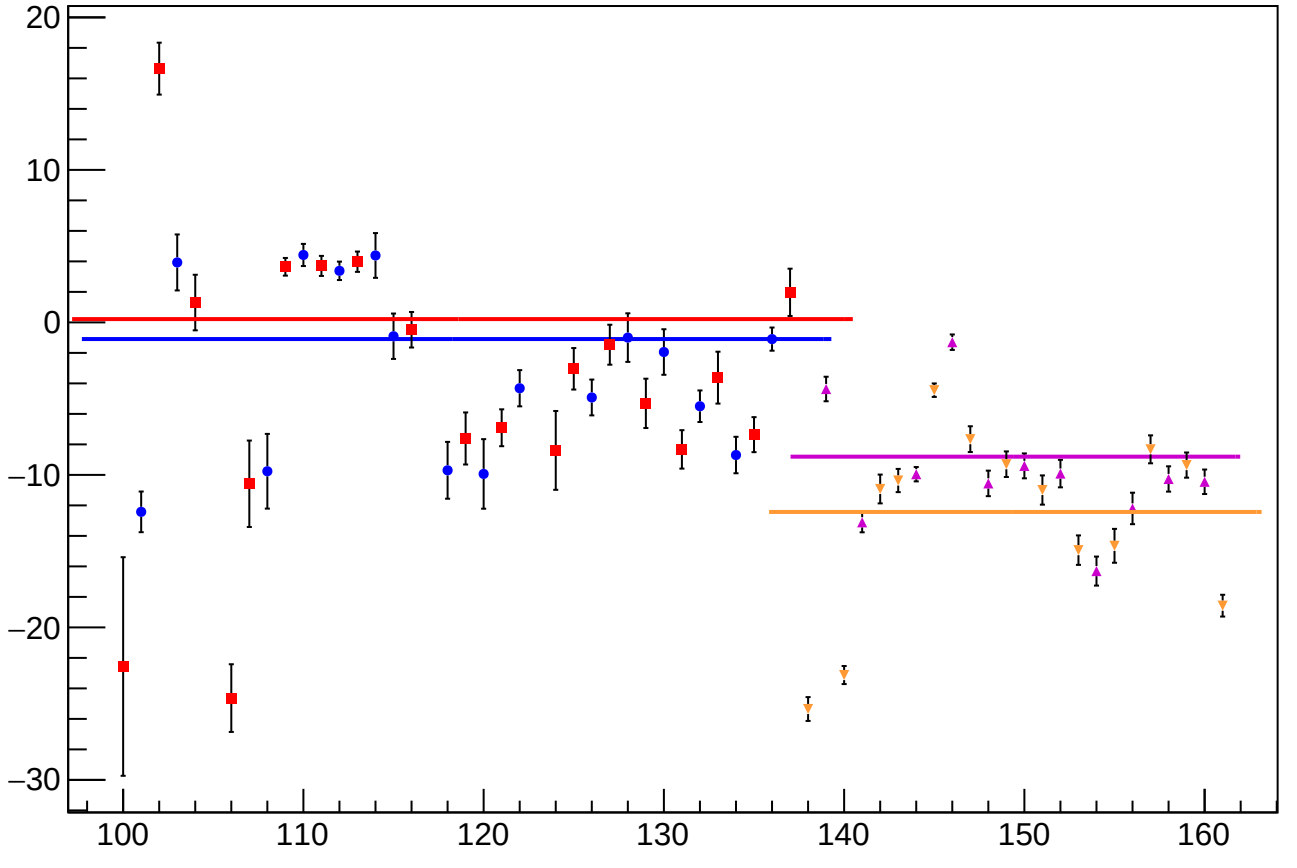
Left: 0.386+/-0.005 χ^2/NDF: 1282.1/23

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.322+/-0.006 χ^2/NDF:1158.7/26

Out: 0.307+/-0.006 χ^2/NDF:1096.8/31

All: 0.314+/-0.005 χ^2/NDF: 2258.2/58



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.429+/-0.209 χ^2/NDF:1103.0/12

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -8.805+/-0.216 χ^2/NDF:385.8/10

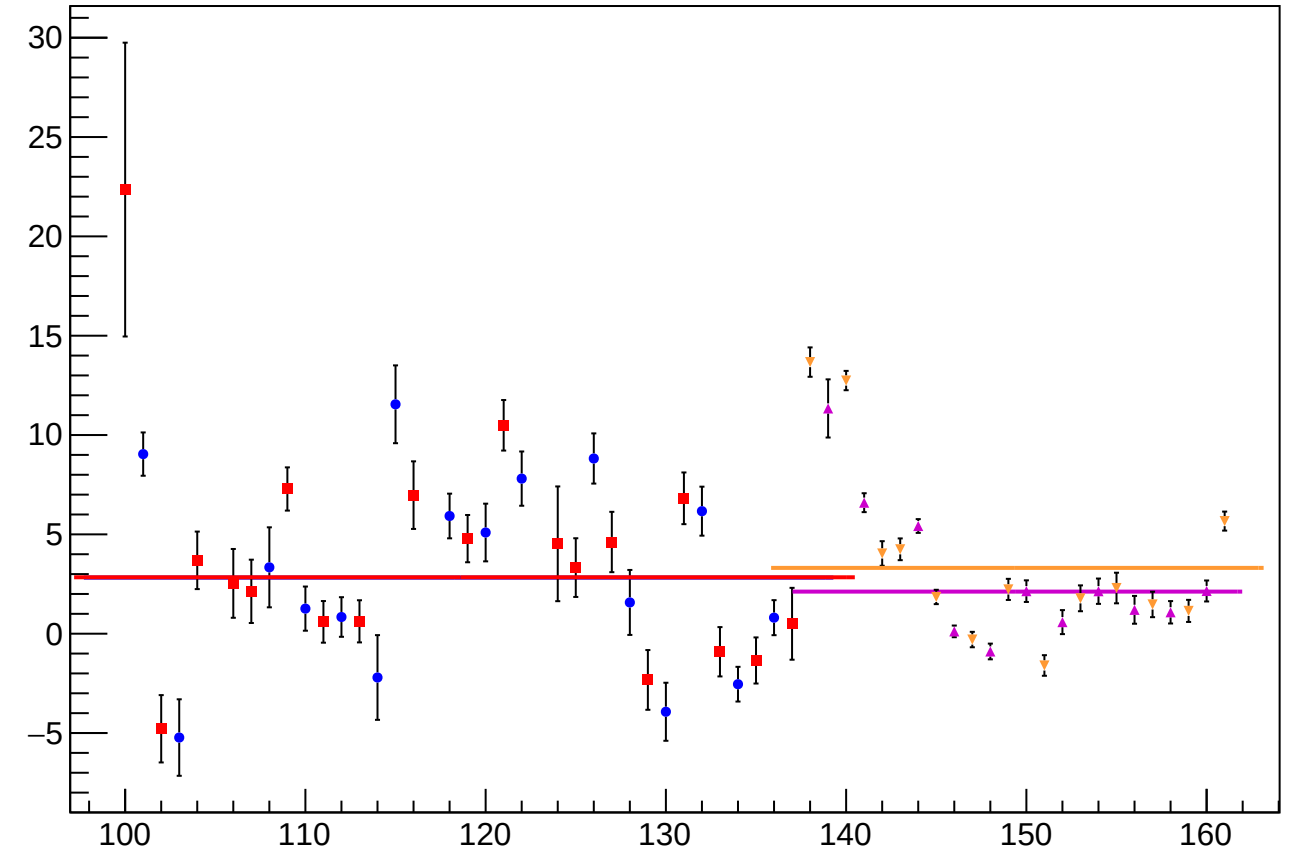
Left: -10.674+/-0.150 χ^2/NDF: 1634.3/23

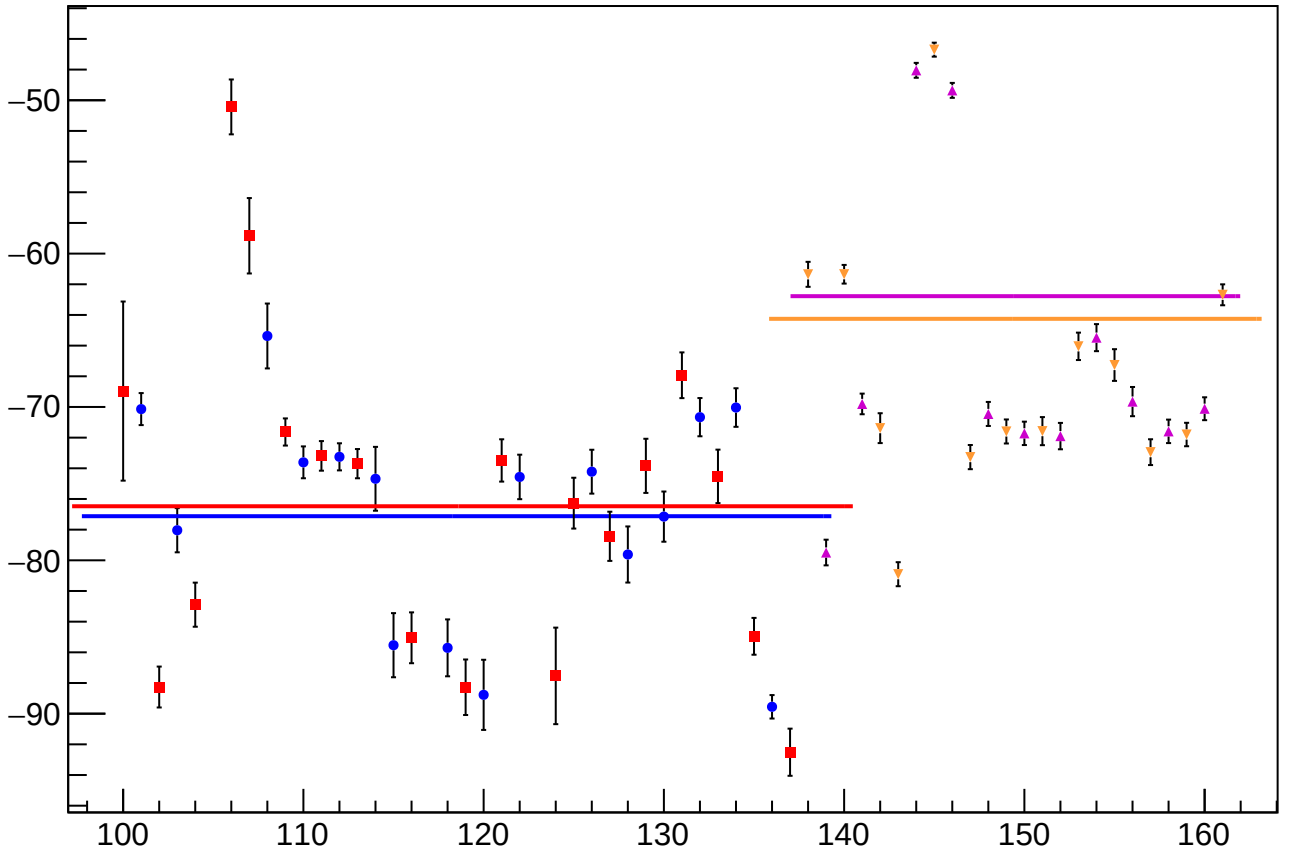
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.938+/-0.171 χ^2/NDF:1192.5/26

Out: -7.603+/-0.164 χ^2/NDF:3019.3/31

All: -6.803+/-0.119 χ^2/NDF: 4261.1/58


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 3.312+/-0.145 χ²/NDF:827.9/12
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 2.119+/-0.144 χ²/NDF:334.8/10
Left: 2.710+/-0.102 χ²/NDF: 1196.9/23
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 2.241+/-0.131 χ²/NDF:538.5/26
Out: 3.233+/-0.132 χ²/NDF:974.6/31
All: 2.731+/-0.093 χ²/NDF: 1541.7/58



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -64.252+/-0.206 χ^2/NDF:2530.0/12

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -62.776+/-0.210 χ^2/NDF:2822.3/10

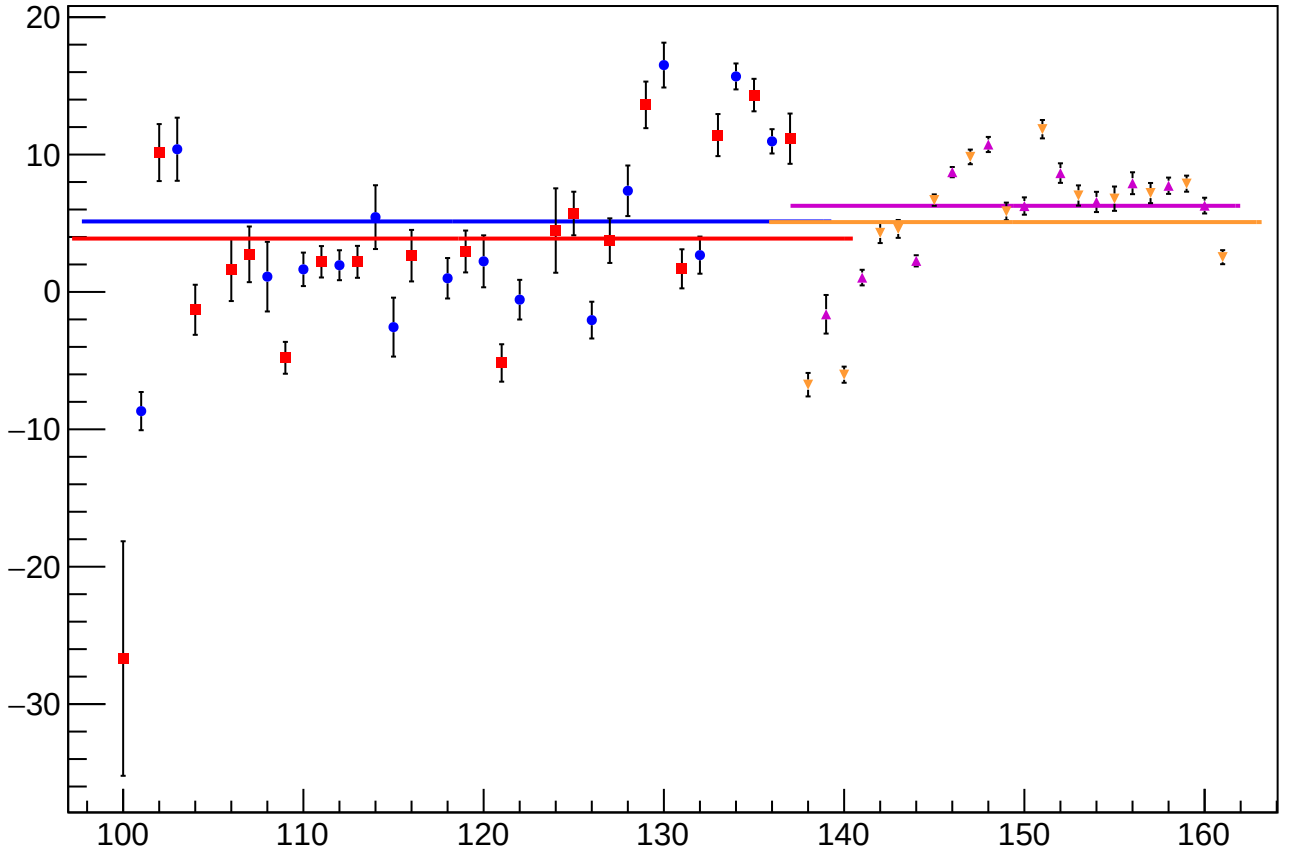
Left: -63.529+/-0.147 χ^2/NDF: 5377.5/23

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.978+/-0.177 χ^2/NDF:4692.8/26

Out: -67.699+/-0.174 χ^2/NDF:4219.9/31

All: -67.343+/-0.124 χ^2/NDF: 8921.1/58



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.085+/-0.171 χ^2/NDF:816.7/12

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 6.270+/-0.172 χ^2/NDF:343.8/10

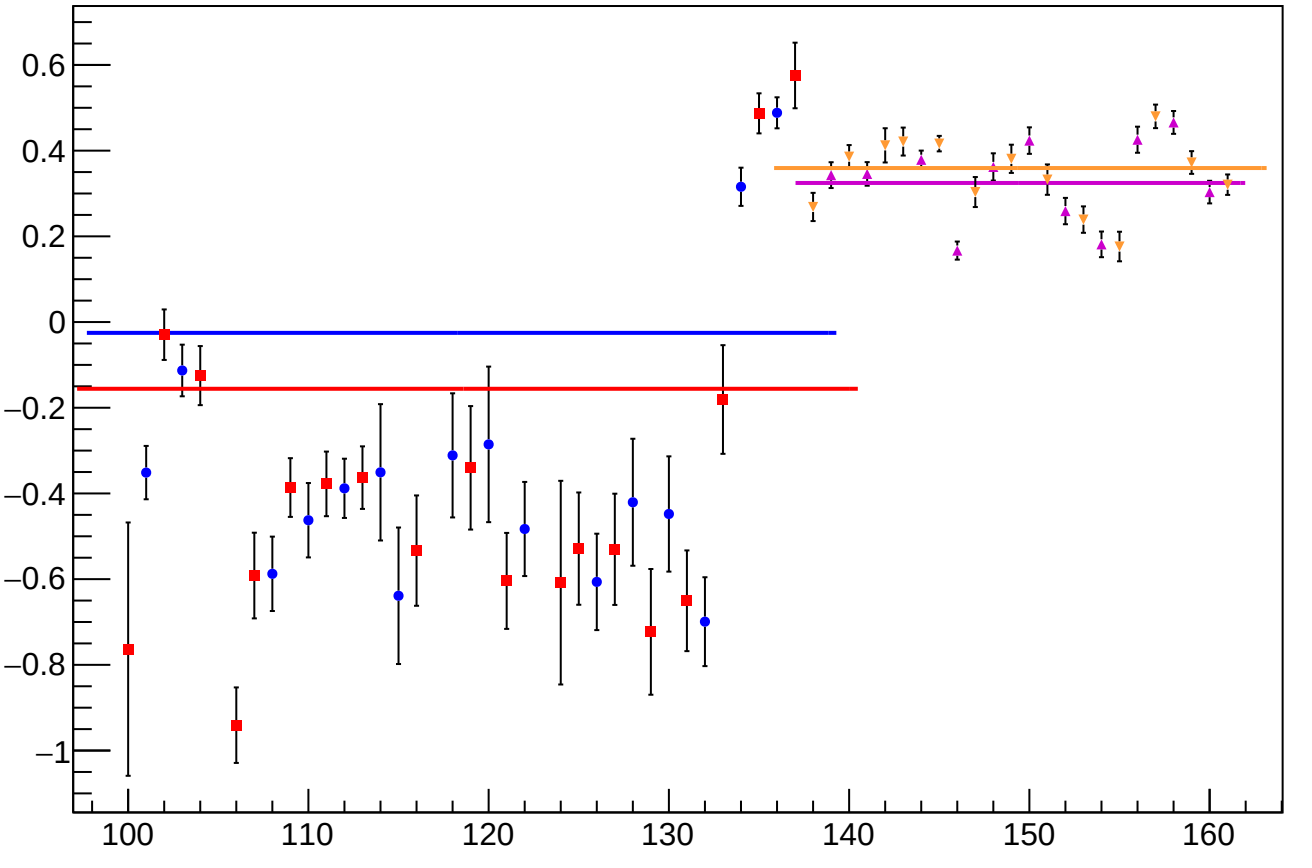
Left: 5.675+/-0.121 χ^2/NDF: 1184.4/23

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 6.049+/-0.154 χ^2/NDF:764.7/26

Out: 4.866+/-0.155 χ^2/NDF:1117.1/31

All: 5.459+/-0.109 χ^2/NDF: 1911.2/58



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.359+/-0.008 χ^2/NDF:93.0/12

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.325+/-0.008 χ^2/NDF:142.0/10

Left: 0.342+/-0.006 χ^2/NDF: 244.3/23

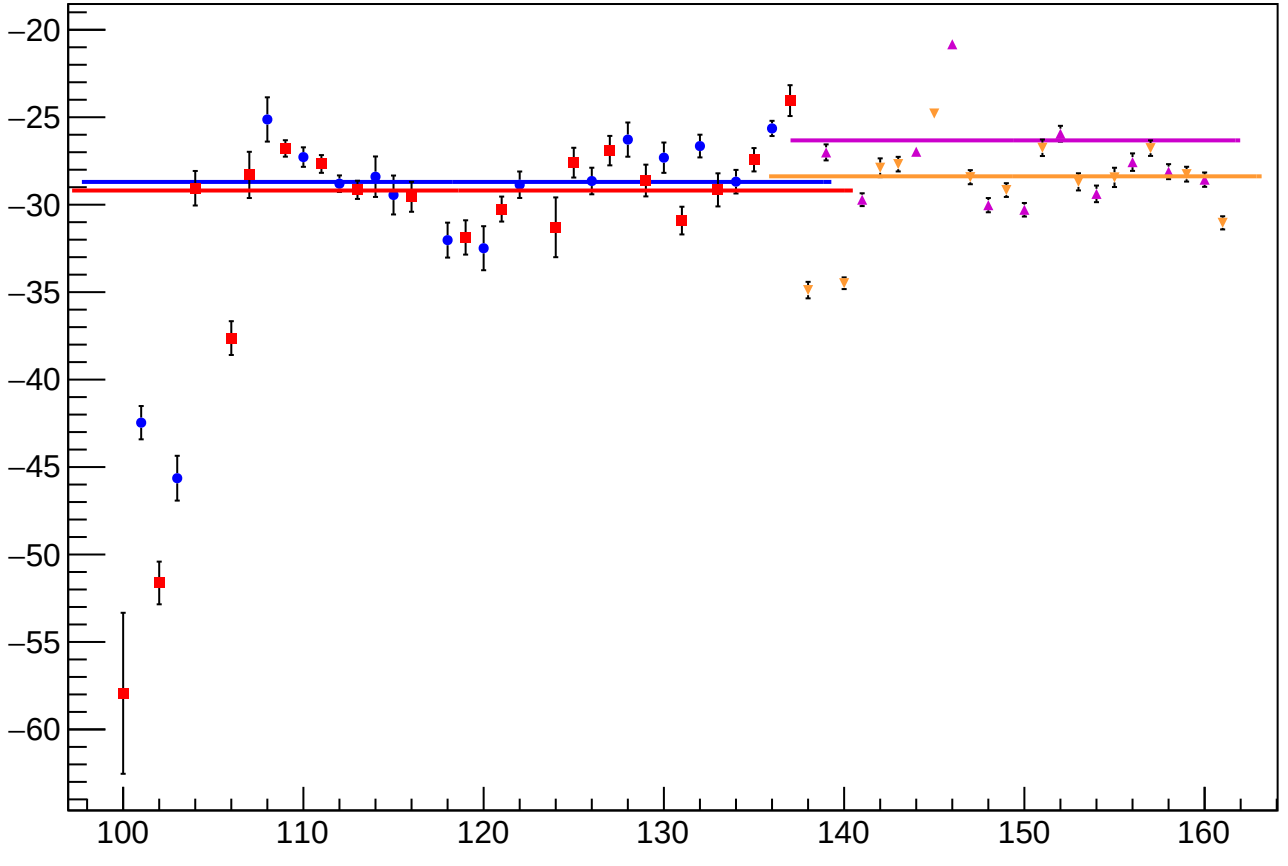
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.270+/-0.008 χ^2/NDF:942.0/26

Out: 0.290+/-0.007 χ^2/NDF:1150.5/31

All: 0.280+/-0.005 χ^2/NDF: 2096.4/58

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.378+/-0.106 χ^2/NDF:921.3/12

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.323+/-0.104 χ^2/NDF:1089.4/10

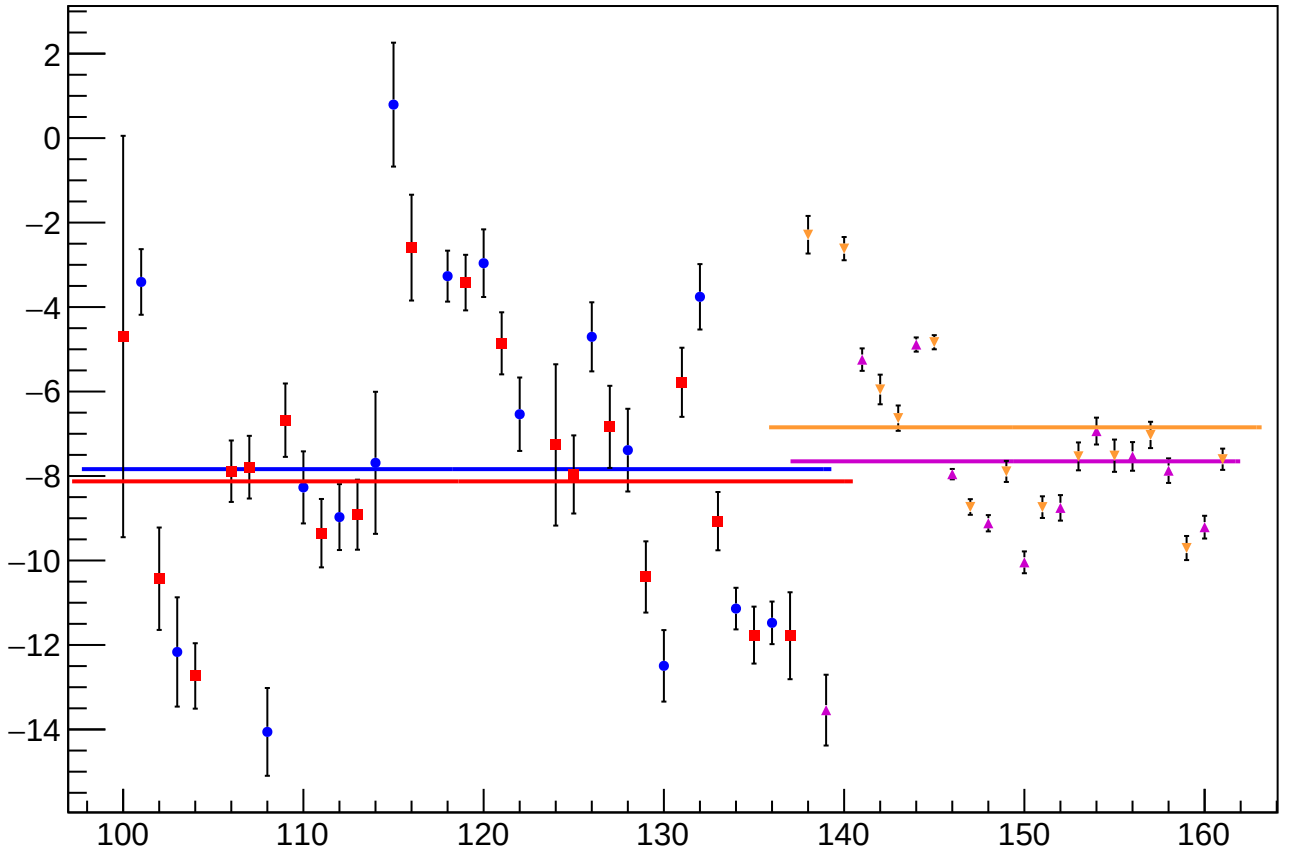
Left: -27.333+/-0.074 χ^2/NDF: 2202.4/23

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.890+/-0.091 χ^2/NDF:1701.0/26

Out: -28.584+/-0.091 χ^2/NDF:1493.5/31

All: -27.732+/-0.064 χ^2/NDF: 3367.5/58



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.847+/-0.073 χ^2/NDF:786.0/12

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.652+/-0.068 χ^2/NDF:603.5/10

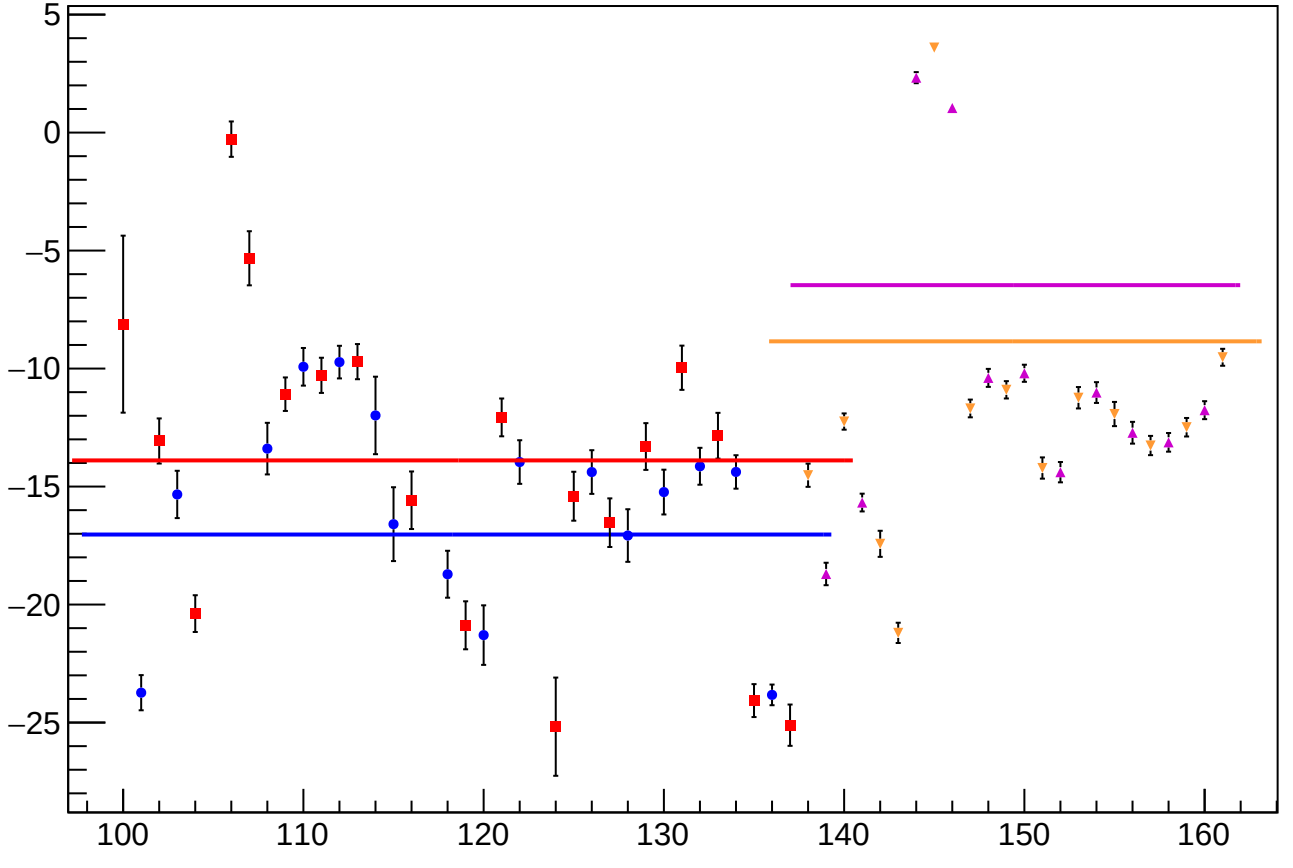
Left: -7.276+/-0.050 χ^2/NDF: 1454.5/23

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.673+/-0.064 χ^2/NDF:987.5/26

Out: -7.002+/-0.068 χ^2/NDF:1020.6/31

All: -7.357+/-0.047 χ^2/NDF: 2059.1/58



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.846+/-0.104 χ^2/NDF:5382.3/12

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.465+/-0.101 χ^2/NDF:5407.0/10

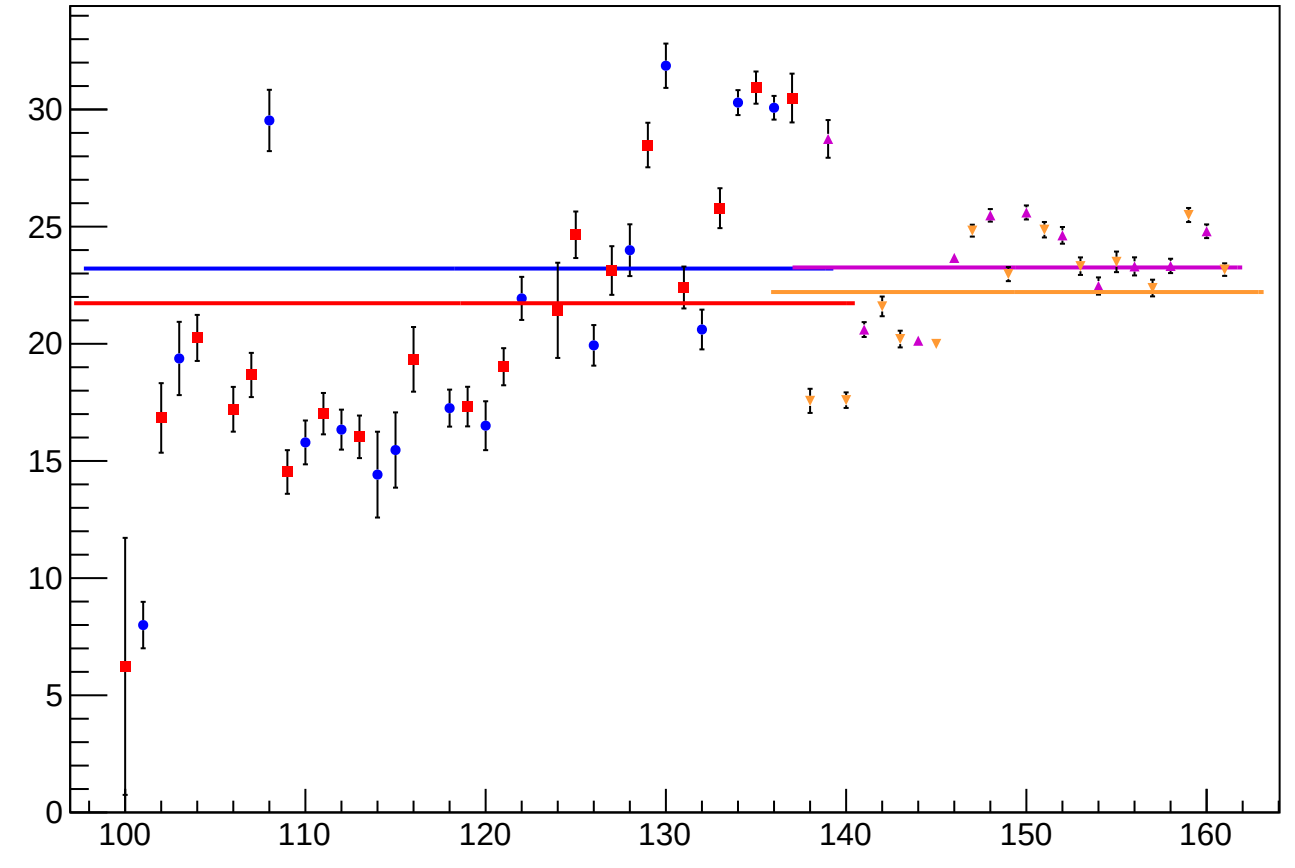
Left: -7.623+/-0.072 χ^2/NDF: 11059.4/23

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.461+/-0.091 χ^2/NDF:8074.5/26

Out: -9.843+/-0.093 χ^2/NDF:6865.9/31

All: -9.137+/-0.065 χ^2/NDF: 15053.2/58



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.209+/-0.086 χ^2/NDF:770.2/12

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.258+/-0.082 χ^2/NDF:552.1/10

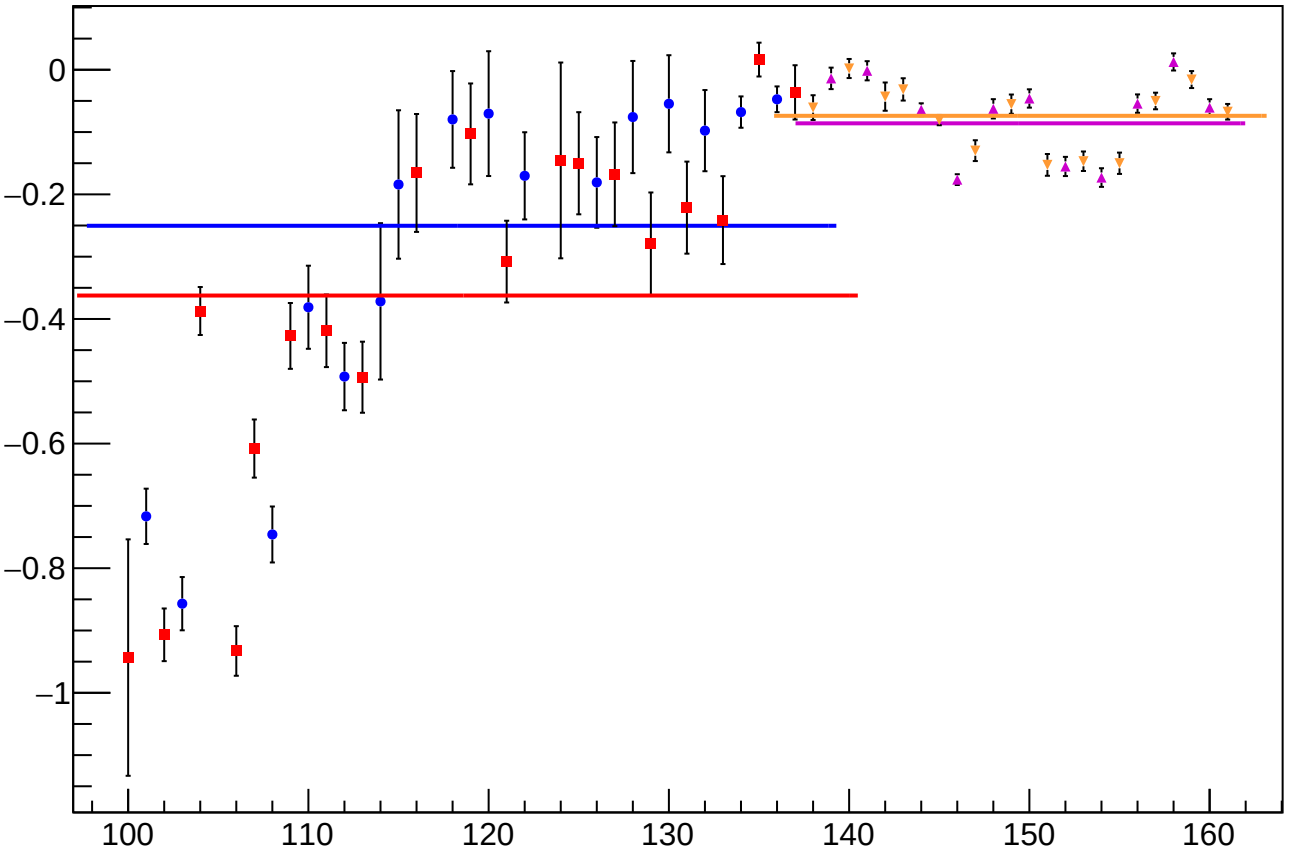
Left: 22.760+/-0.059 χ^2/NDF: 1400.0/23

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.252+/-0.077 χ^2/NDF:1560.4/26

Out: 22.148+/-0.080 χ^2/NDF:1332.3/31

All: 22.726+/-0.056 χ^2/NDF: 2991.4/58



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/12

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.086+/-0.004 χ^2/NDF:284.6/10

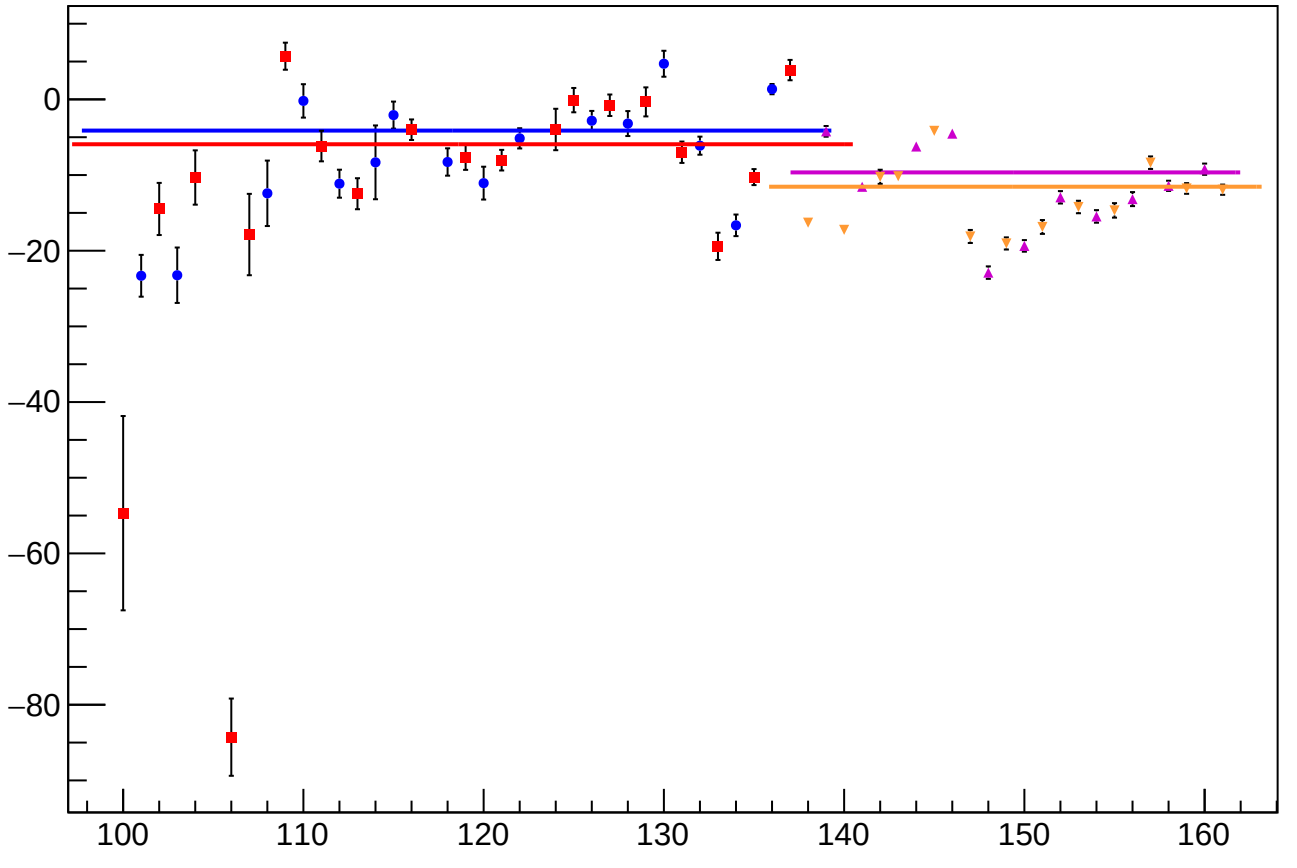
Left: -0.080+/-0.003 χ^2/NDF: 418.5/23

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.004 χ^2/NDF:1096.3/26

Out: -0.101+/-0.004 χ^2/NDF:1327.6/31

All: -0.102+/-0.003 χ^2/NDF: 2424.0/58



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.542+/-0.187 χ^2/NDF:784.9/12

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.651+/-0.190 χ^2/NDF:797.6/10

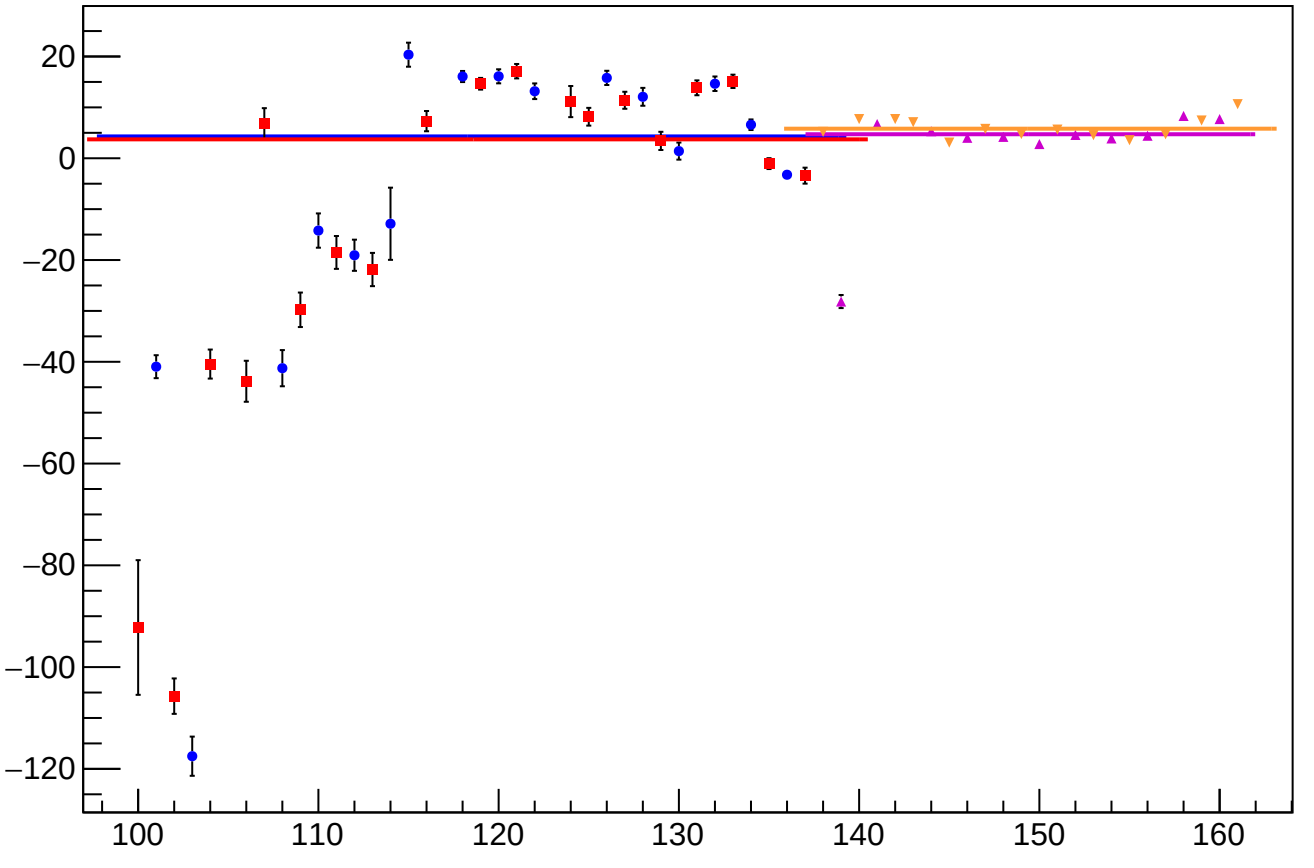
Left: -10.614+/-0.133 χ^2/NDF: 1632.8/23

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.550+/-0.170 χ^2/NDF:1253.4/26

Out: -10.567+/-0.170 χ^2/NDF:1424.1/31

All: -9.562+/-0.120 χ^2/NDF: 2747.8/58



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.813+/-0.132 χ^2/NDF:269.4/12

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.721+/-0.128 χ^2/NDF:802.3/10

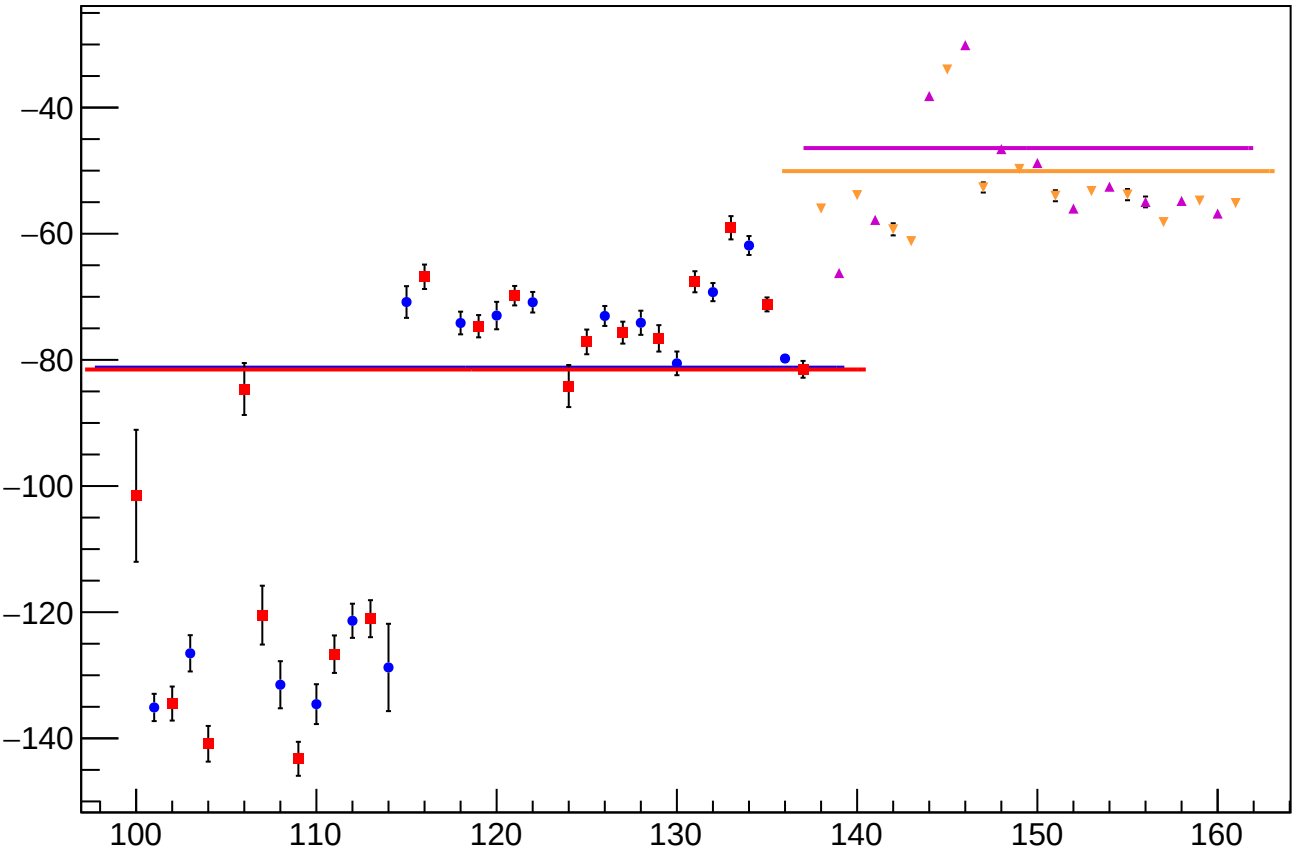
Left: 5.253+/-0.092 χ^2/NDF: 1107.0/23

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.678+/-0.122 χ^2/NDF:2972.5/26

Out: 5.627+/-0.126 χ^2/NDF:2299.1/31

All: 5.138+/-0.087 χ^2/NDF: 5301.0/58



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.073+/-0.184 χ^2/NDF:2580.6/12

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -46.420+/-0.185 χ^2/NDF:3851.2/10

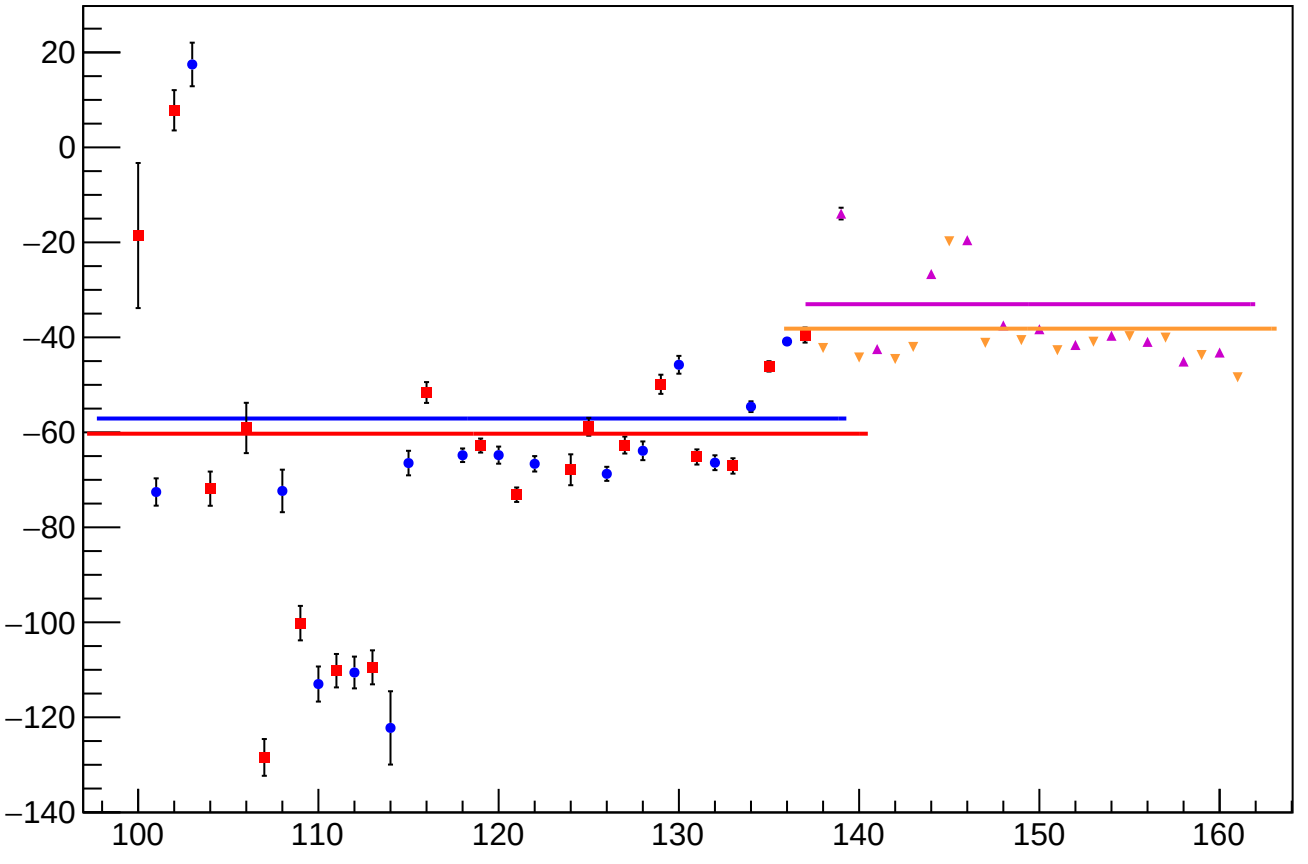
Left: -48.255+/-0.131 χ^2/NDF: 6626.9/23

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -52.165+/-0.169 χ^2/NDF:11645.6/26

Out: -54.403+/-0.171 χ^2/NDF:8876.7/31

All: -53.272+/-0.120 χ^2/NDF: 20608.6/58



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -38.166+/-0.154 χ^2/NDF:3901.7/12

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -33.018+/-0.152 χ^2/NDF:4301.2/10

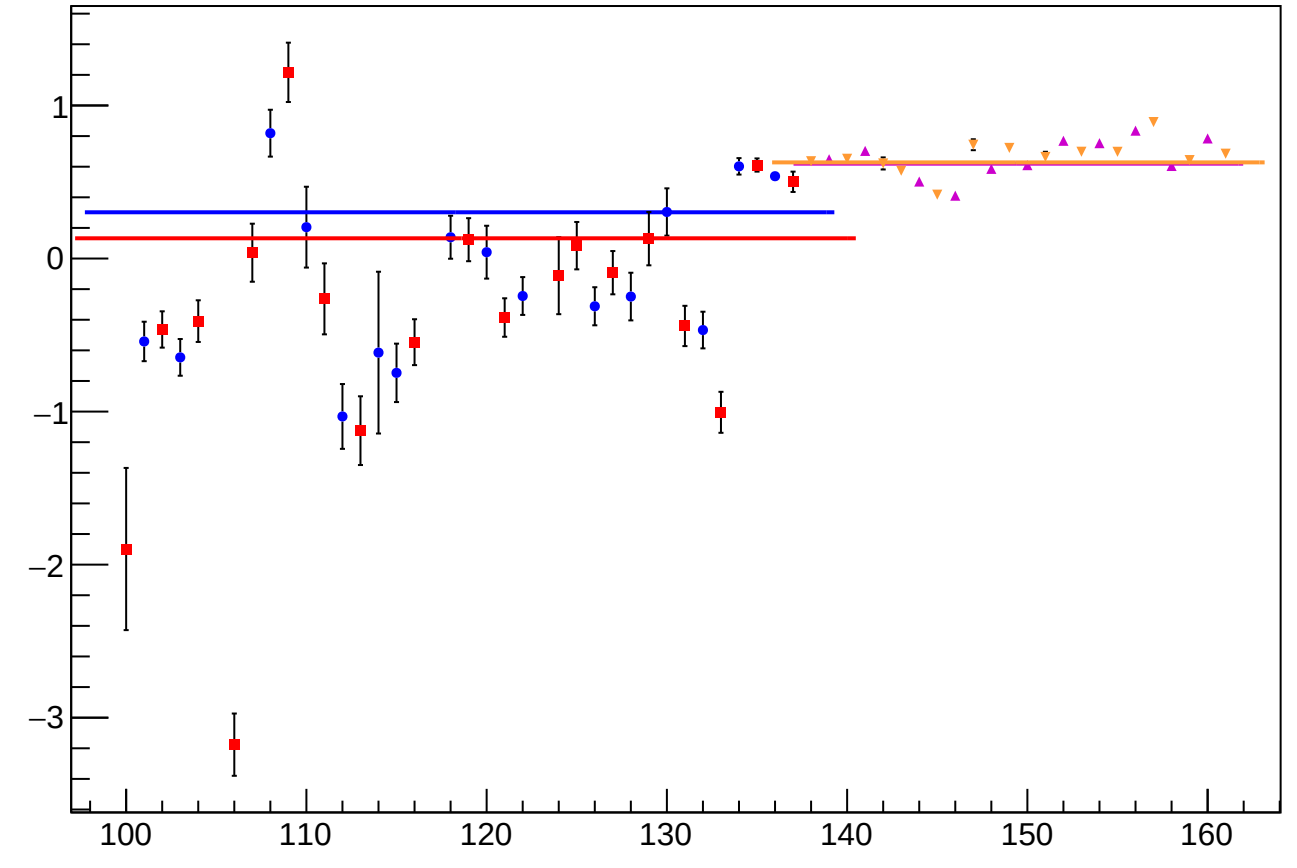
Left: -35.560+/-0.108 χ^2/NDF: 8766.5/23

Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -35.752+/-0.143 χ^2/NDF:8661.7/26

Out: -40.318+/-0.147 χ^2/NDF:7489.1/31

All: -37.986+/-0.103 χ^2/NDF: 16646.3/58



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.628+/-0.007 χ^2/NDF:354.1/12

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.620+/-0.007 χ^2/NDF:362.2/10

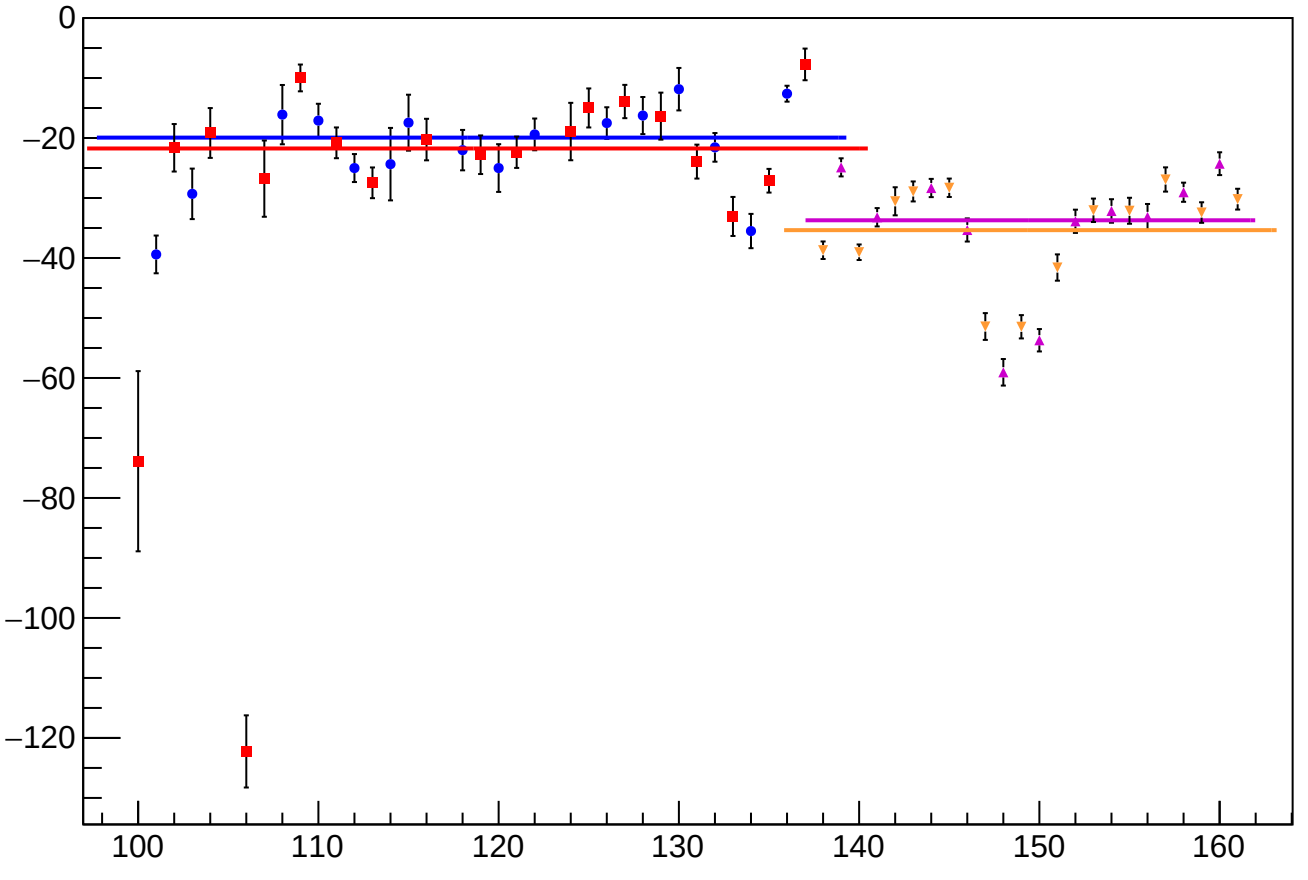
Left: 0.624+/-0.005 χ^2/NDF: 717.0/23

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.591+/-0.007 χ^2/NDF:911.2/26

Out: 0.595+/-0.007 χ^2/NDF:1353.4/31

All: 0.593+/-0.005 χ^2/NDF: 2264.8/58



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.360+/-0.494 χ^2/NDF:216.7/12

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.715+/-0.537 χ^2/NDF:327.2/10

Left: -34.606+/-0.363 χ^2/NDF: 548.9/23

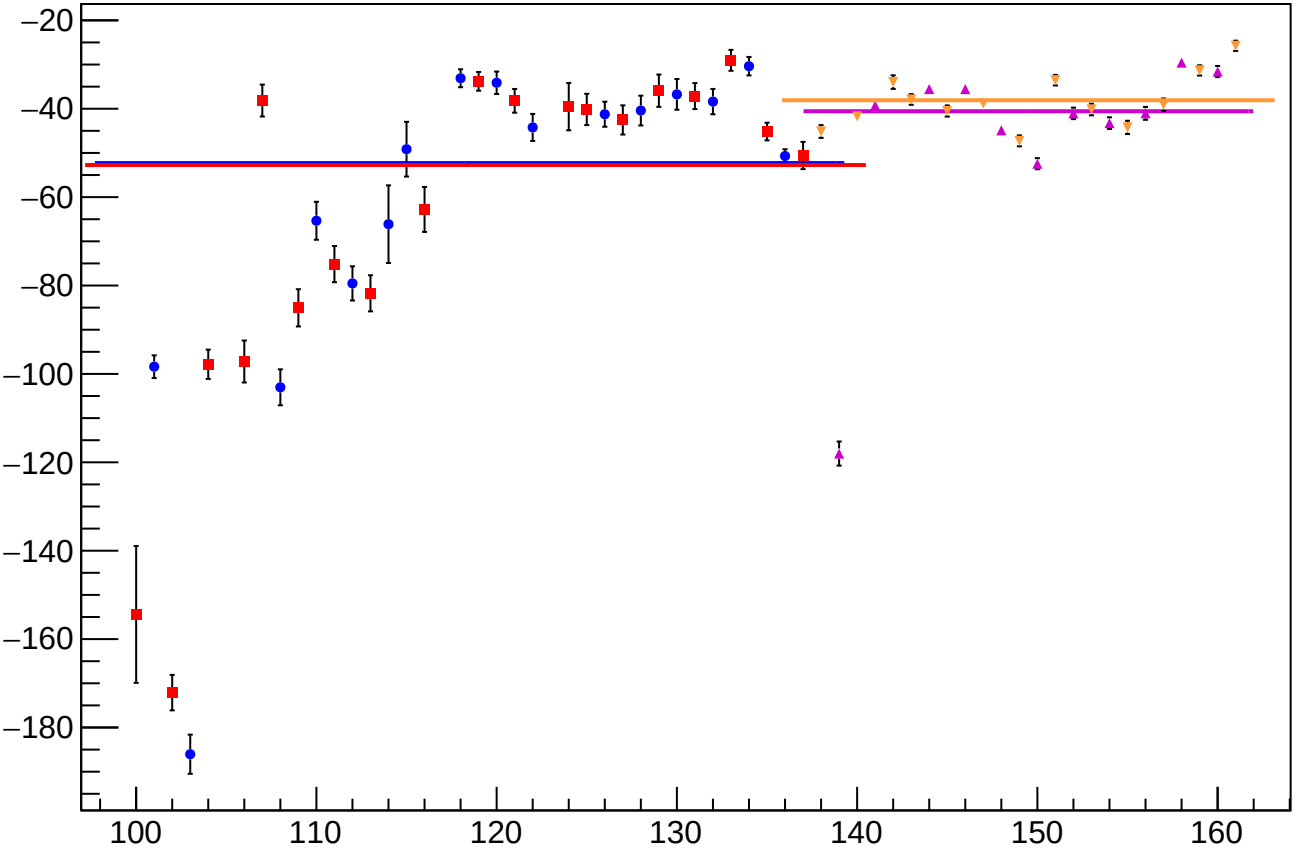
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.565+/-0.425 χ^2/NDF:694.1/26

Out: -30.952+/-0.406 χ^2/NDF:851.1/31

All: -29.812+/-0.294 χ^2/NDF: 1561.7/58

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -38.080+/-0.345 χ^2/NDF:282.5/12

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -40.568+/-0.374 χ^2/NDF:1112.7/10

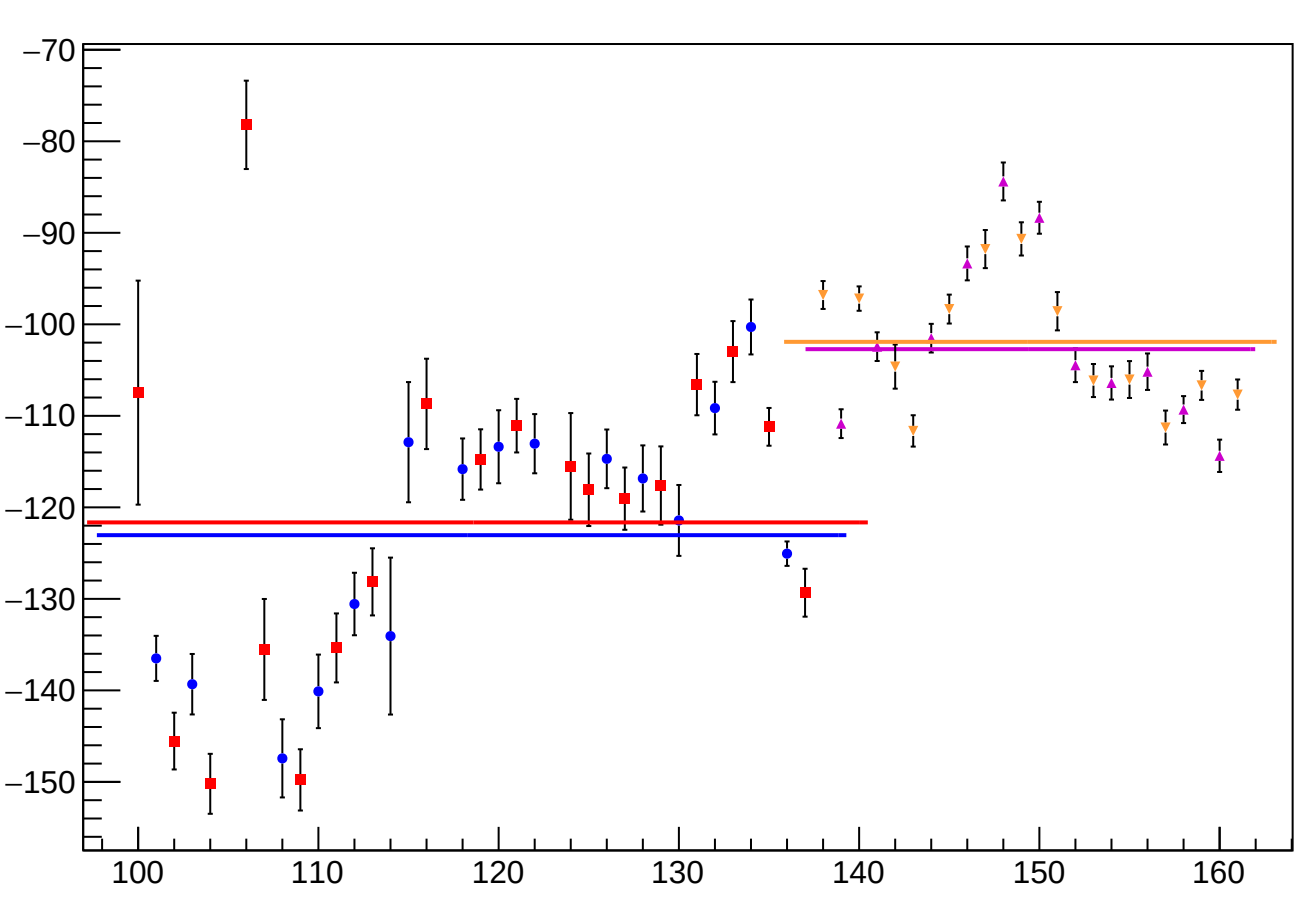
Left: -39.227+/-0.254 χ^2/NDF: 1419.1/23

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -43.122+/-0.330 χ^2/NDF:3105.4/26

Out: -40.656+/-0.314 χ^2/NDF:2261.3/31

All: -41.825+/-0.227 χ^2/NDF: 5396.0/58



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.914+/-0.484 χ^2/NDF:183.5/12

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.715+/-0.520 χ^2/NDF:269.3/10

Left: -102.286+/-0.354 χ^2/NDF: 454.1/23

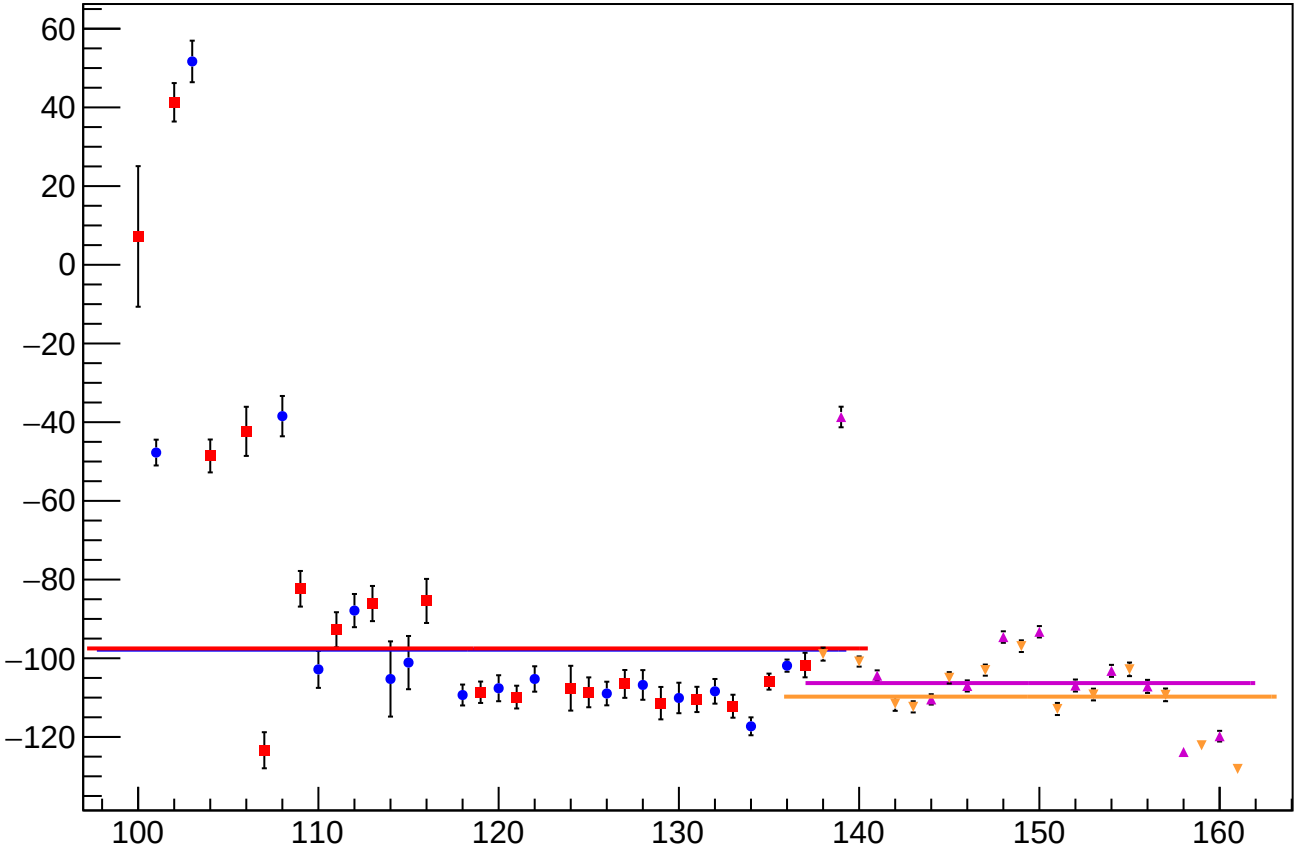
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -109.307+/-0.427 χ^2/NDF:992.3/26

Out: -107.182+/-0.414 χ^2/NDF:1052.6/31

All: -108.211+/-0.297 χ^2/NDF: 2057.6/58

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: -109.752+/-0.405 χ^2/NDF:546.8/12

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -106.308+/-0.436 χ^2/NDF:1163.7/10

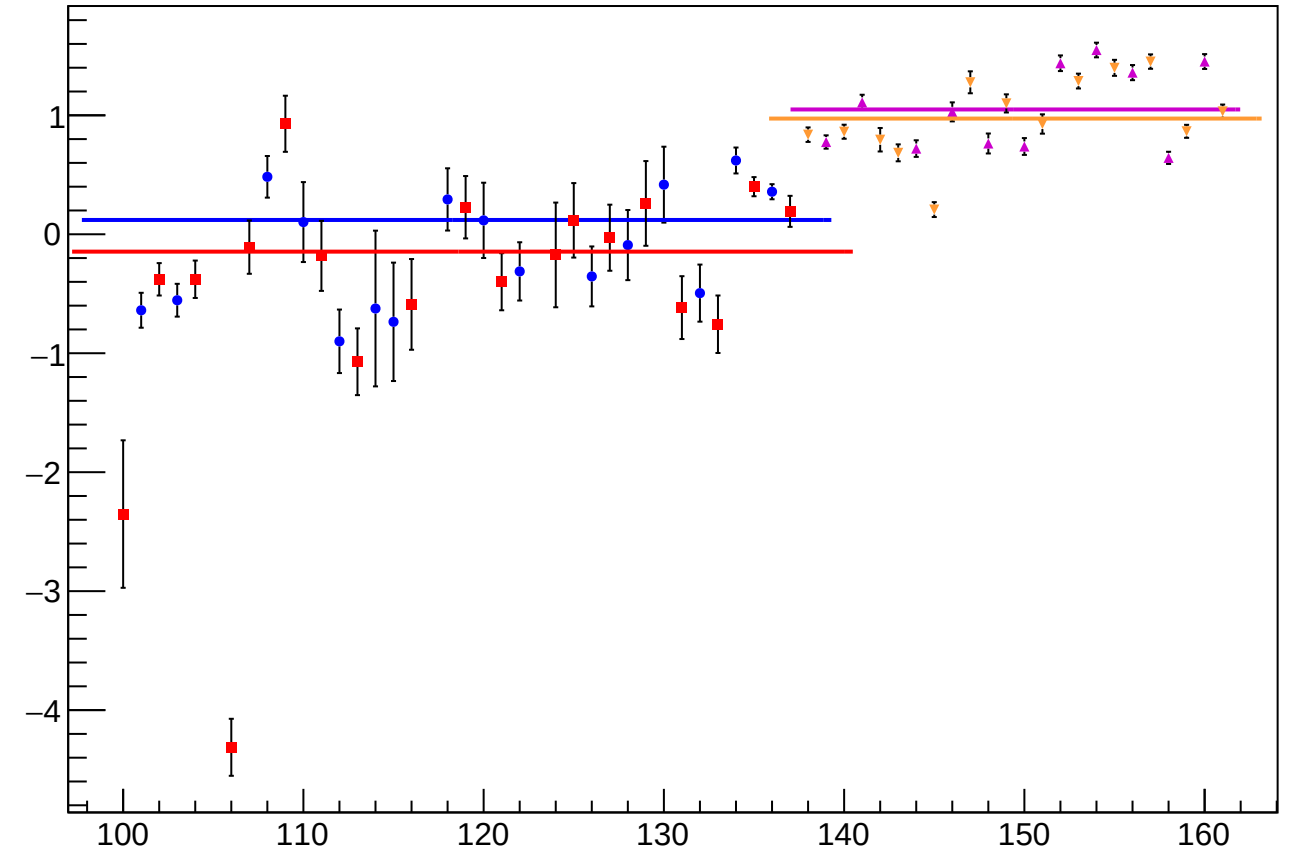
Left: -108.158+/-0.297 χ^2/NDF: 1744.0/23

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -104.336+/-0.382 χ^2/NDF:2582.6/26

Out: -107.456+/-0.365 χ^2/NDF:1954.9/31

All: -105.968+/-0.264 χ^2/NDF: 4572.4/58



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.973+/-0.018 χ^2/NDF:324.5/12

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.049+/-0.019 χ^2/NDF:306.7/10

Left: 1.009+/-0.013 χ^2/NDF: 639.3/23

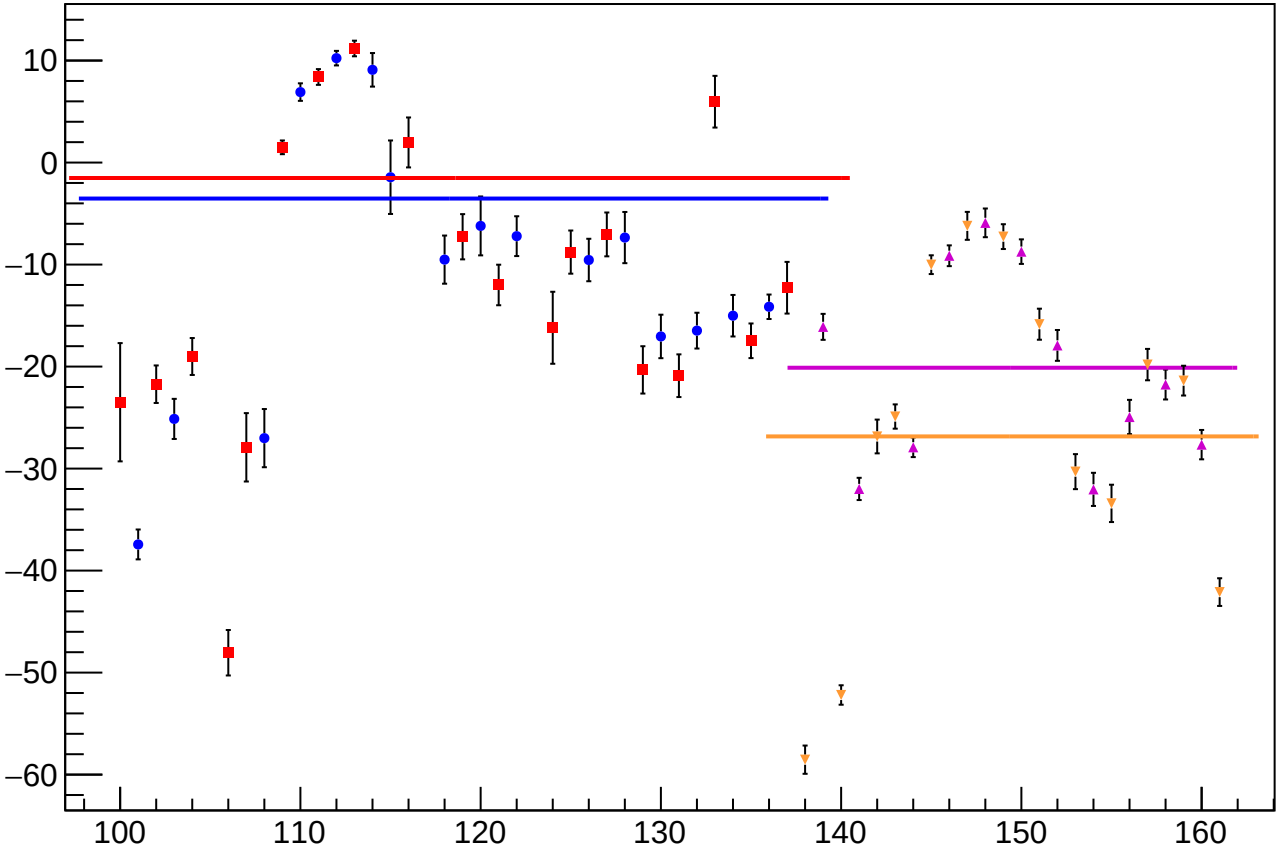
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.880+/-0.018 χ^2/NDF:845.9/26

Out: 0.811+/-0.017 χ^2/NDF:1276.7/31

All: 0.844+/-0.012 χ^2/NDF: 2130.6/58

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.846+/-0.363 χ^2/NDF:2285.5/12

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -20.114+/-0.383 χ^2/NDF:594.5/10

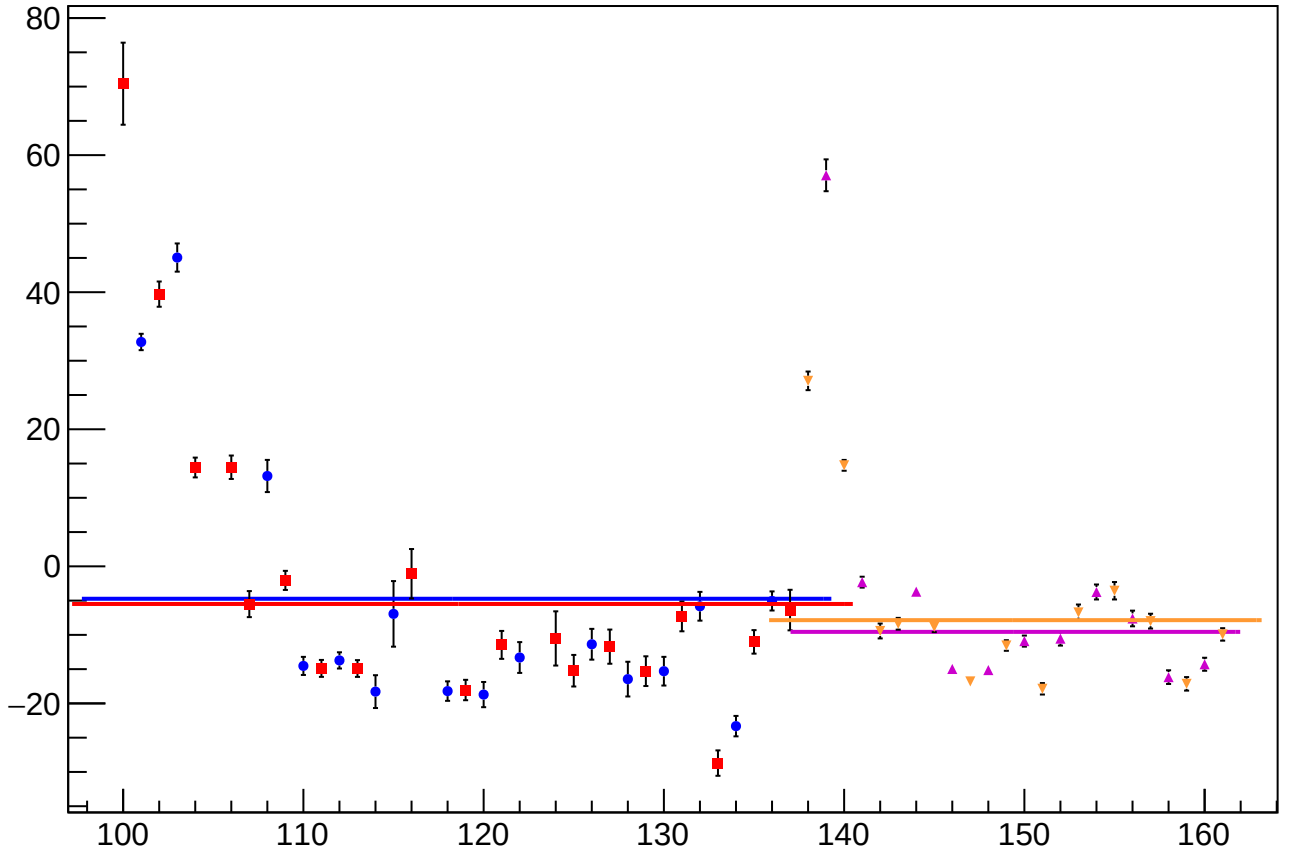
Left: -23.661+/-0.264 χ^2/NDF: 3042.7/23

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -11.682+/-0.269 χ^2/NDF:3076.4/26

Out: -13.293+/-0.248 χ^2/NDF:6415.4/31

All: -12.553+/-0.182 χ^2/NDF: 9511.3/58



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.852+/-0.249 χ^2/NDF:1952.8/12

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -9.561+/-0.259 χ^2/NDF:1223.5/10

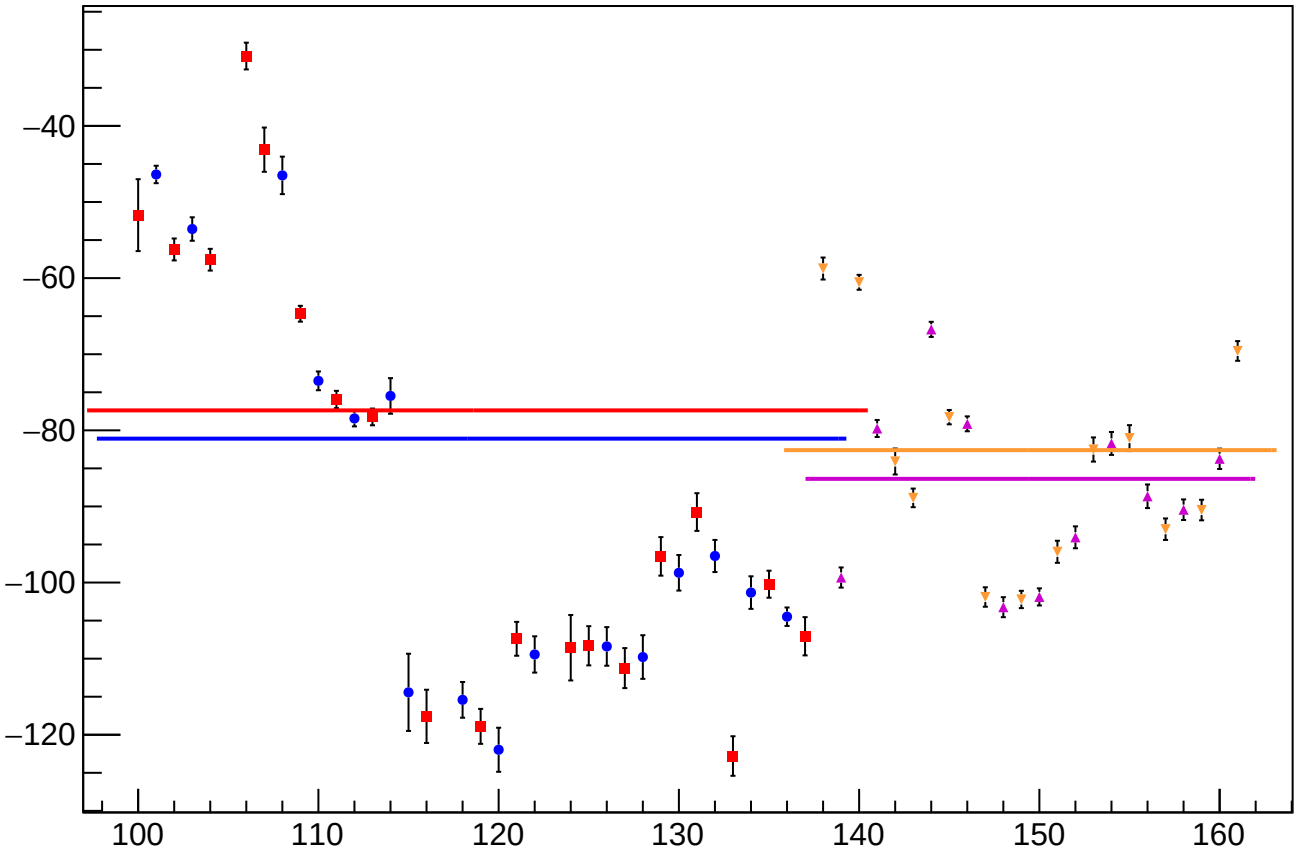
Left: -8.673+/-0.180 χ^2/NDF: 3198.9/23

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -8.276+/-0.222 χ^2/NDF:3463.8/26

Out: -7.242+/-0.215 χ^2/NDF:3484.6/31

All: -7.741+/-0.154 χ^2/NDF: 6959.6/58



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.603+/-0.356 χ^2/NDF:1628.2/12

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.375+/-0.372 χ^2/NDF:983.5/10

Left: -84.406+/-0.257 χ^2/NDF: 2665.4/23

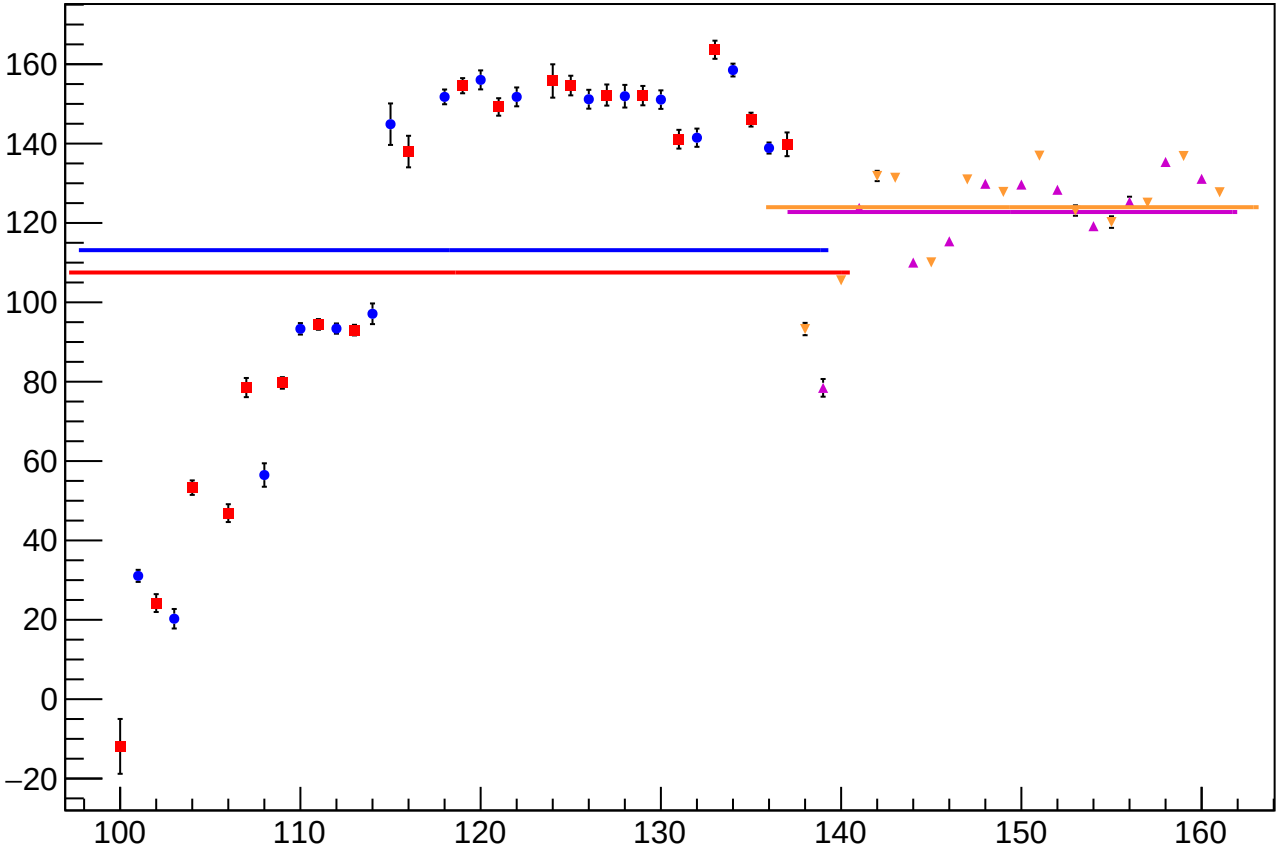
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -84.165+/-0.284 χ^2/NDF:3938.3/26

Out: -80.402+/-0.271 χ^2/NDF:4848.7/31

All: -82.196+/-0.196 χ^2/NDF: 8879.2/58

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 123.973+/-0.296 χ^2/NDF:1516.1/12

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 122.753+/-0.308 χ^2/NDF:1080.7/10

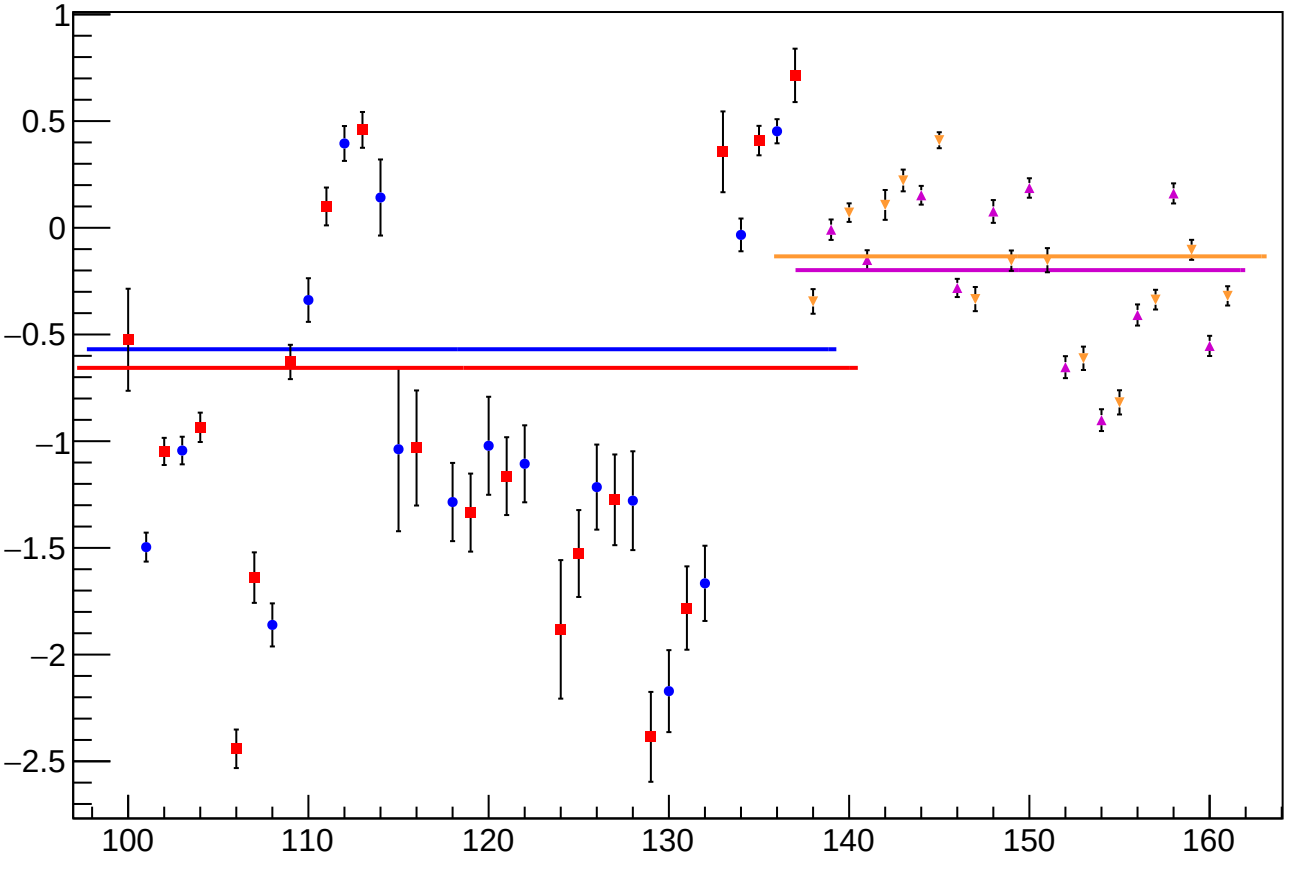
Left: 123.388+/-0.213 χ^2/NDF: 2605.0/23

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 120.026+/-0.260 χ^2/NDF:9561.5/26

Out: 119.440+/-0.252 χ^2/NDF:9914.2/31

All: 119.723+/-0.181 χ^2/NDF: 19478.3/58



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.134+/-0.014 χ^2/NDF:578.8/12

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.198+/-0.014 χ^2/NDF:581.9/10

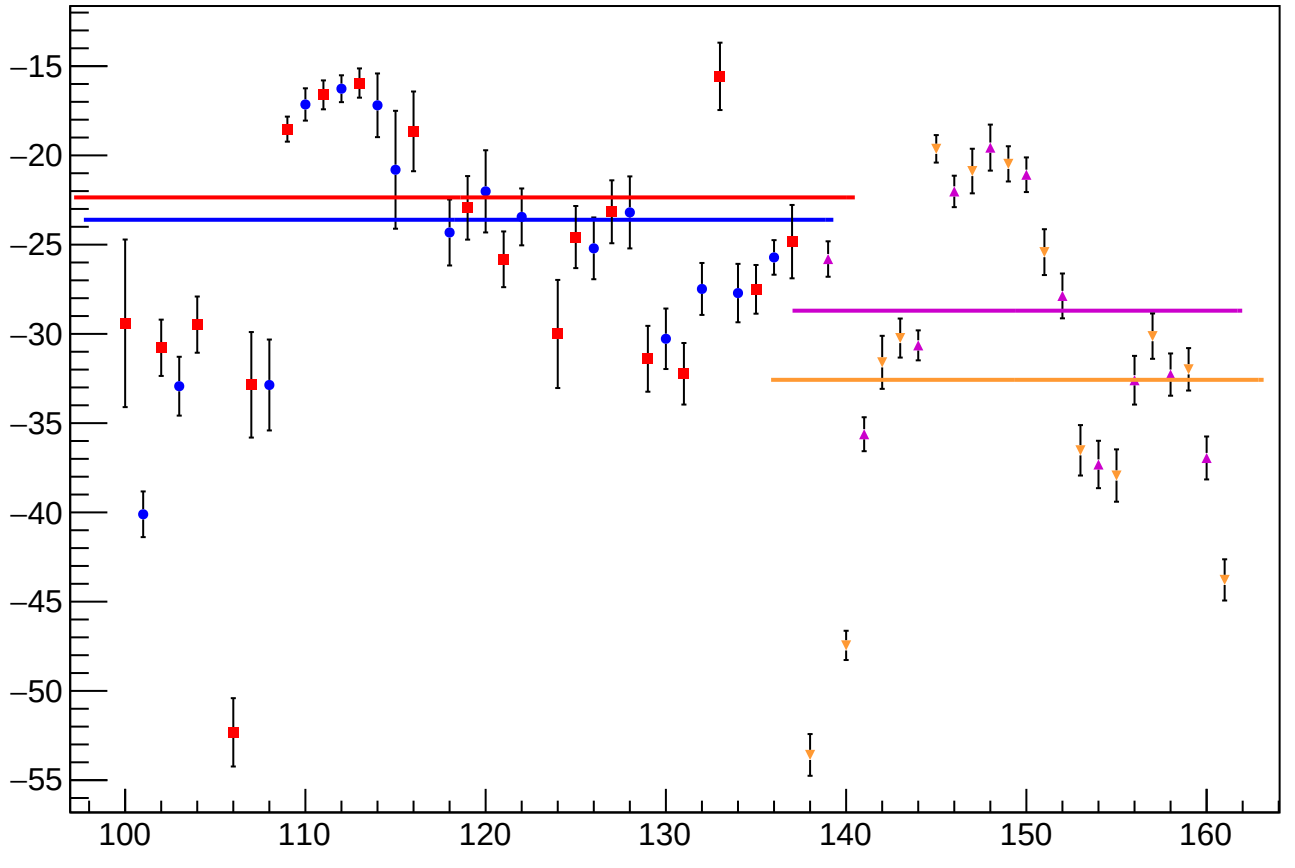
Left: -0.165+/-0.010 χ^2/NDF: 1171.3/23

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.286+/-0.013 χ^2/NDF:1837.3/26

Out: -0.254+/-0.012 χ^2/NDF:2224.7/31

All: -0.269+/-0.009 χ^2/NDF: 4065.3/58



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -32.573+/-0.308 χ^2/NDF:1328.4/12

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -28.700+/-0.322 χ^2/NDF:343.0/10

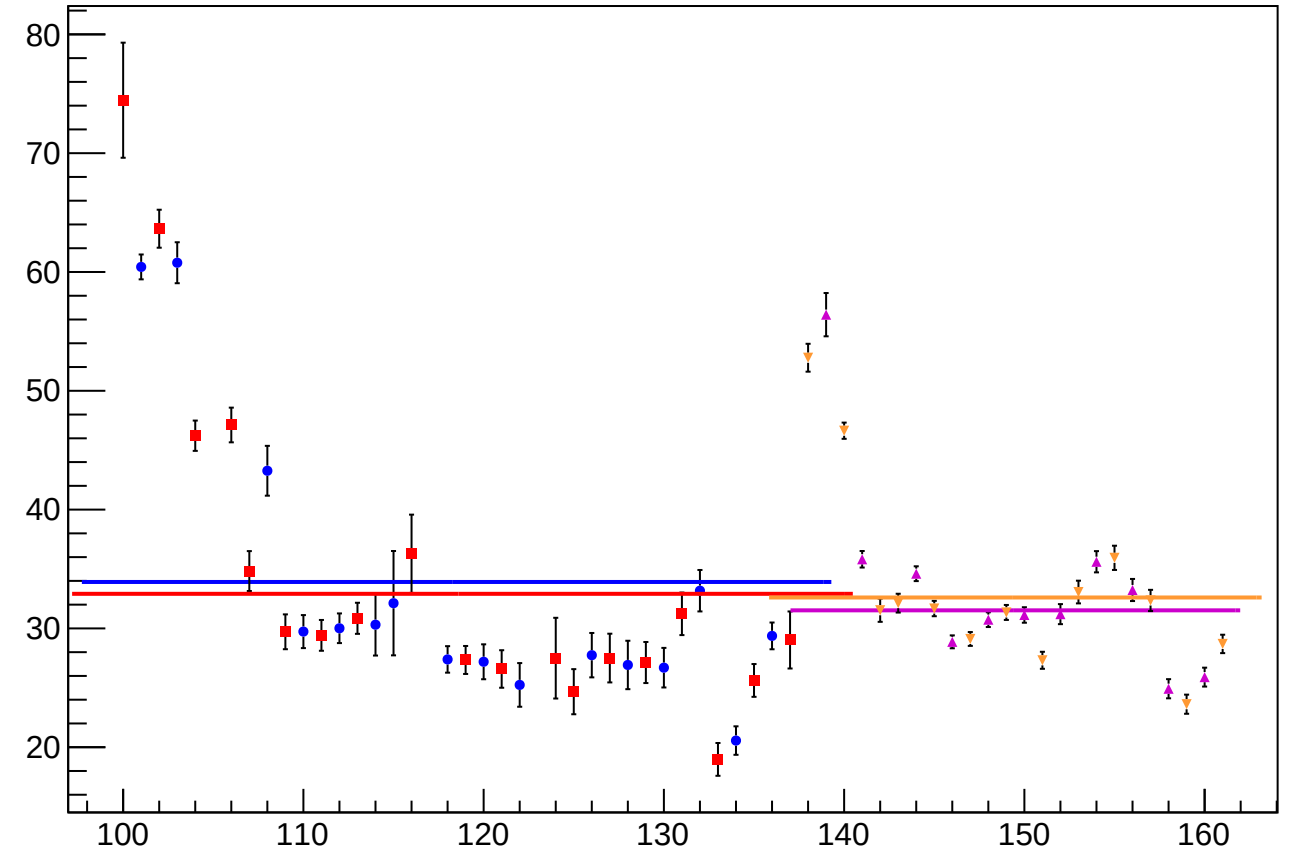
Left: -30.721+/-0.223 χ^2/NDF: 1746.8/23

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -26.351+/-0.237 χ^2/NDF:864.6/26

Out: -27.680+/-0.223 χ^2/NDF:2405.8/31

All: -27.056+/-0.162 χ^2/NDF: 3287.2/58



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.603+/-0.214 χ^2/NDF:978.2/12

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 31.521+/-0.222 χ^2/NDF:416.4/10

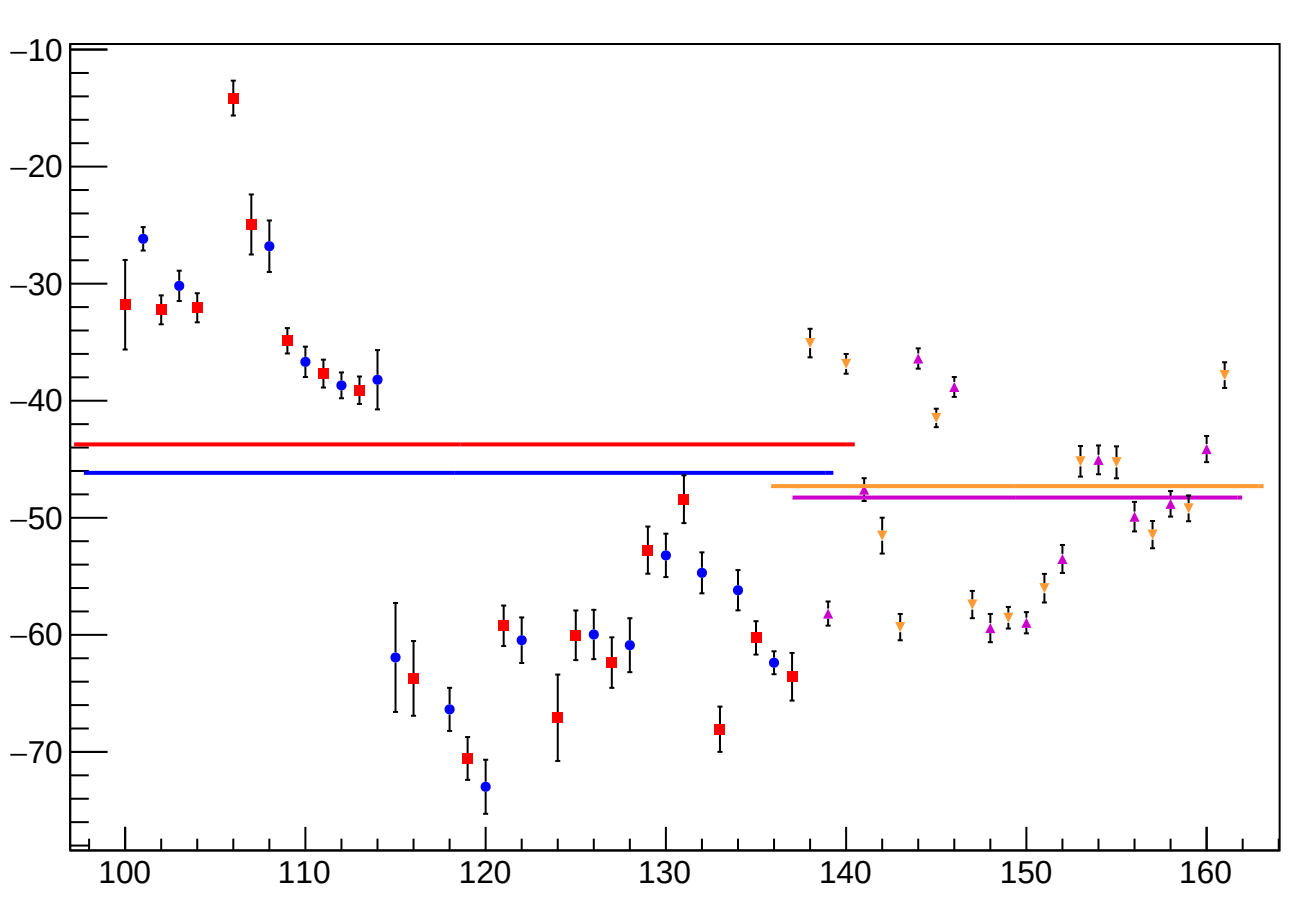
Left: 32.083+/-0.154 χ^2/NDF: 1406.8/23

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.142+/-0.191 χ^2/NDF:1630.8/26

Out: 32.680+/-0.186 χ^2/NDF:1853.7/31

All: 32.419+/-0.133 χ^2/NDF: 3488.5/58



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.296+/-0.302 χ^2/NDF:800.5/12

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.271+/-0.312 χ^2/NDF:671.0/10

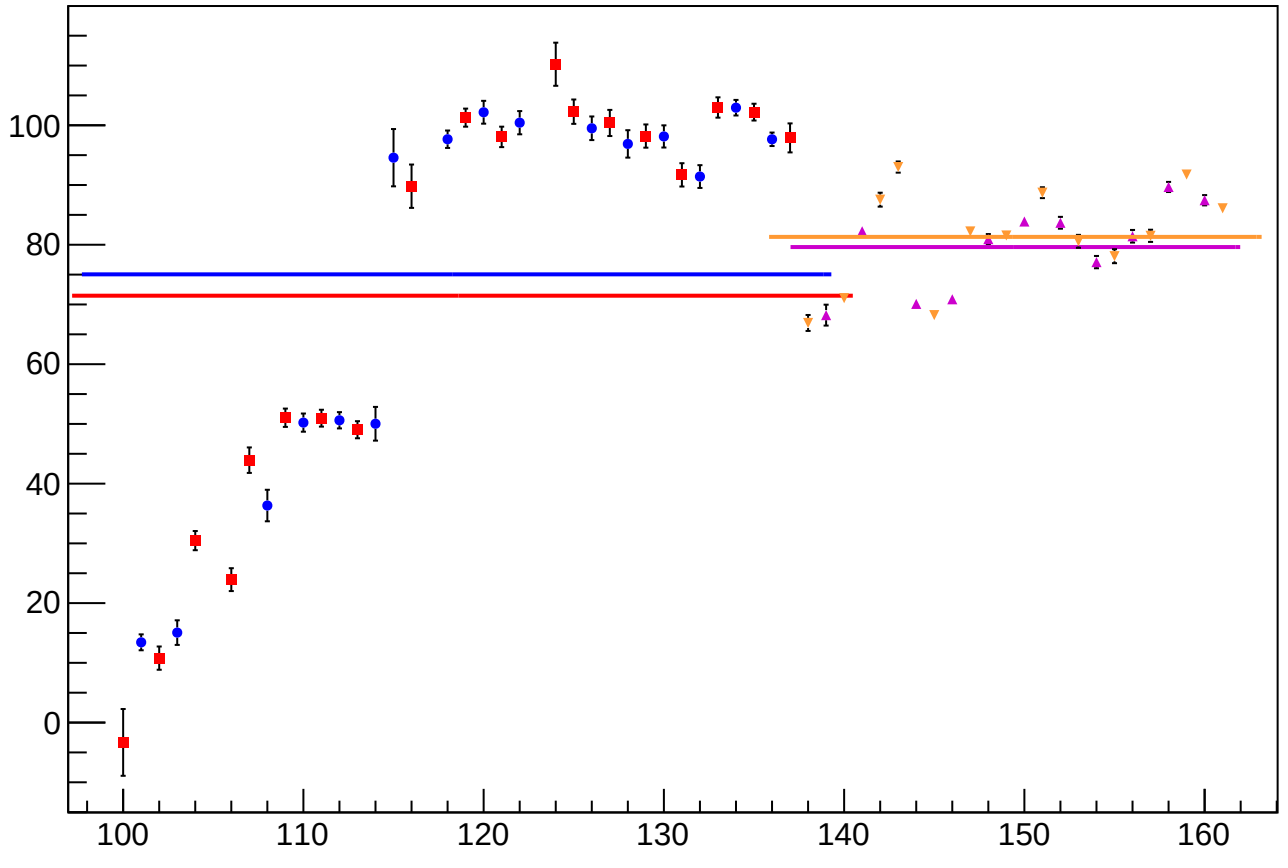
Left: -47.766+/-0.217 χ^2/NDF: 1476.5/23

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.445+/-0.244 χ^2/NDF:2178.5/26

Out: -45.911+/-0.236 χ^2/NDF:2518.1/31

All: -46.652+/-0.170 χ^2/NDF: 4717.1/58



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.314+/-0.252 χ^2/NDF:1035.4/12

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.613+/-0.262 χ^2/NDF:677.7/10

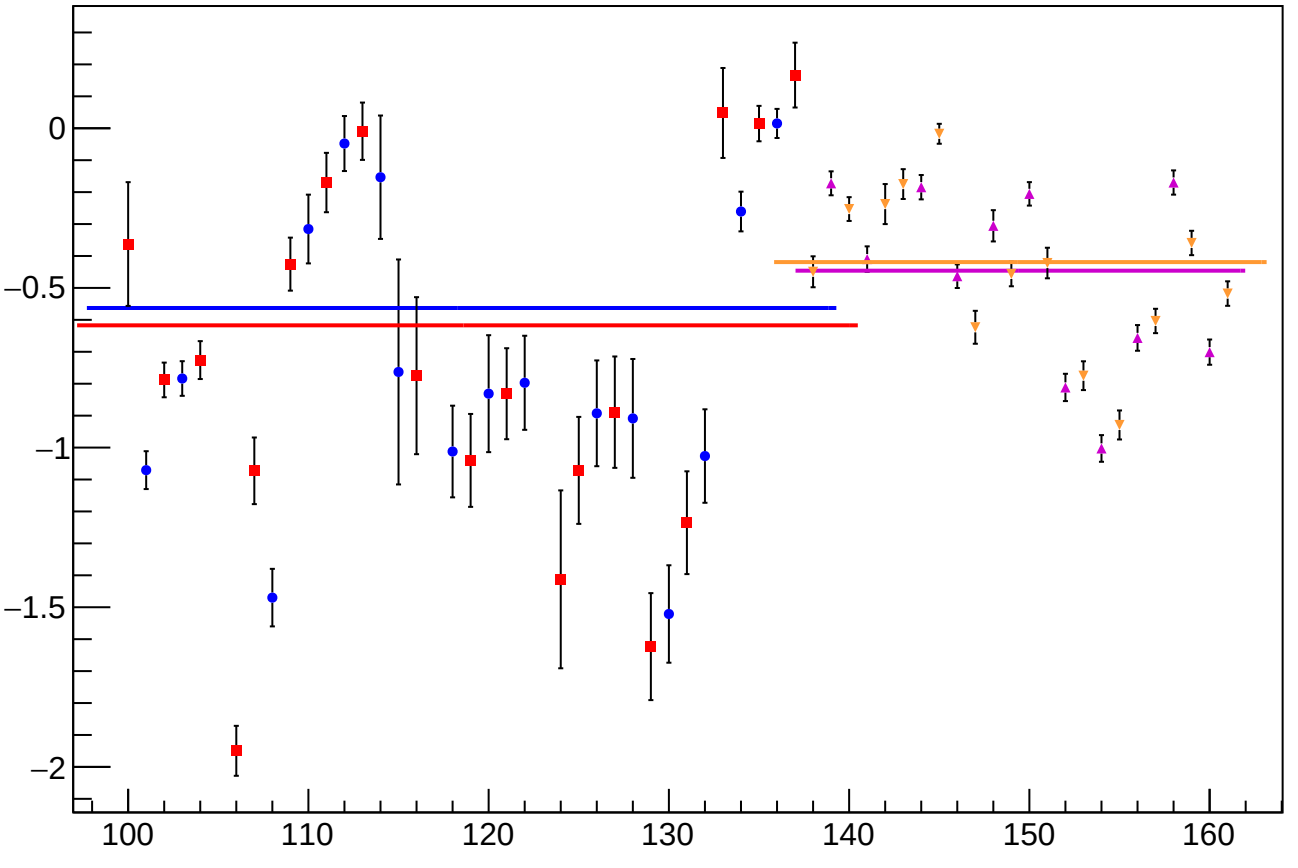
Left: 80.494+/-0.182 χ^2/NDF: 1735.1/23

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 78.368+/-0.223 χ^2/NDF:6589.2/26

Out: 78.755+/-0.217 χ^2/NDF:7059.6/31

All: 78.567+/-0.156 χ^2/NDF: 13650.4/58



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.419+/-0.012 χ^2/NDF:459.2/12

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.446+/-0.012 χ^2/NDF:525.2/10

Left: -0.432+/-0.008 χ^2/NDF: 987.0/23

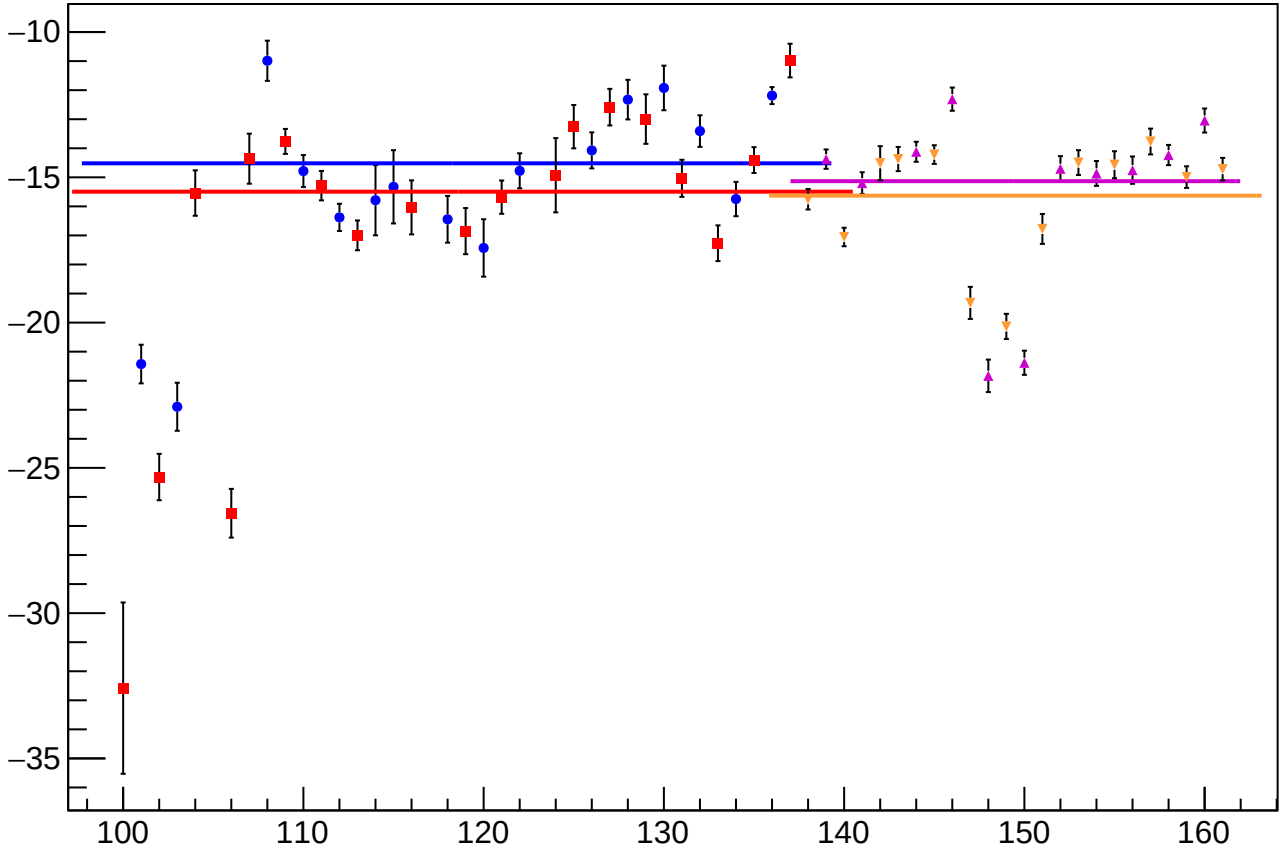
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.472+/-0.011 χ^2/NDF:1039.6/26

Out: -0.462+/-0.010 χ^2/NDF:1211.8/31

All: -0.467+/-0.007 χ^2/NDF: 2251.9/58

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.630+/-0.113 χ^2/NDF:248.3/12

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.132+/-0.120 χ^2/NDF:467.4/10

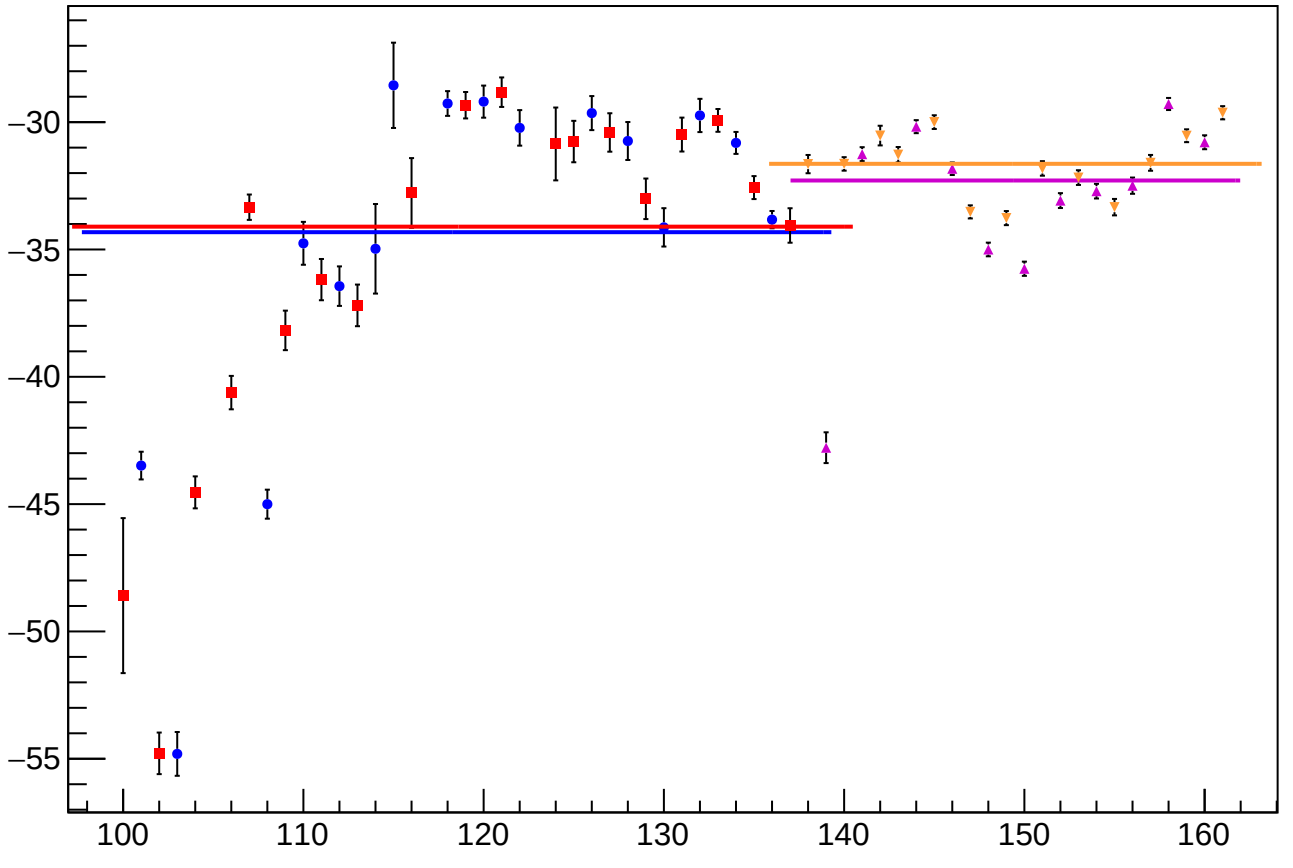
Left: -15.396+/-0.082 χ^2/NDF: 724.8/23

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.891+/-0.094 χ^2/NDF:841.0/26

Out: -15.581+/-0.090 χ^2/NDF:752.7/31

All: -15.248+/-0.065 χ^2/NDF: 1621.7/58



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.636+/-0.080 χ^2/NDF:270.3/12

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -32.291+/-0.085 χ^2/NDF:842.9/10

Left: -31.944+/-0.058 χ^2/NDF: 1144.8/23

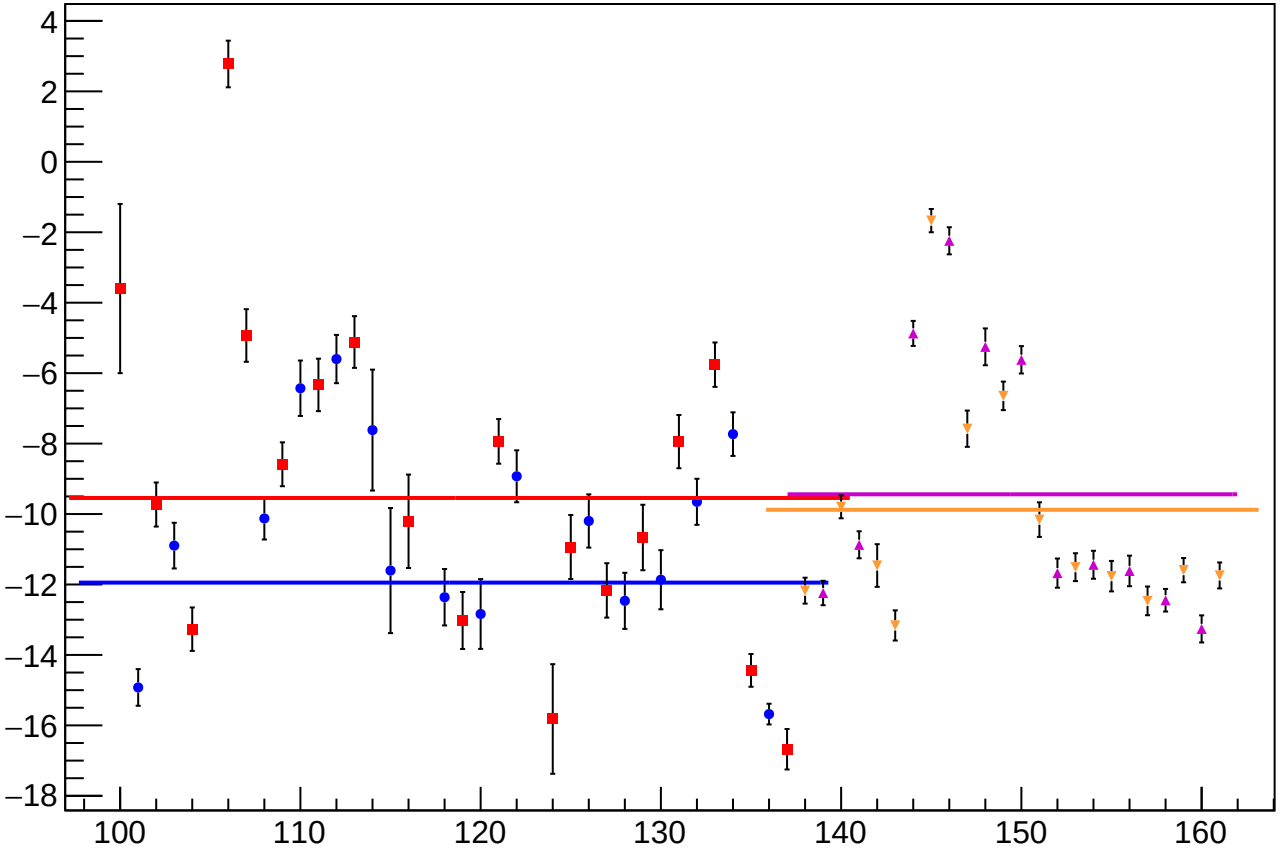
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.766+/-0.074 χ^2/NDF:2597.8/26

Out: -32.159+/-0.071 χ^2/NDF:1907.1/31

All: -32.449+/-0.051 χ^2/NDF: 4539.9/58

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.880+/-0.111 χ^2/NDF:934.0/12

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.439+/-0.116 χ^2/NDF:1021.8/10

Left: -9.670+/-0.080 χ^2/NDF: 1963.3/23

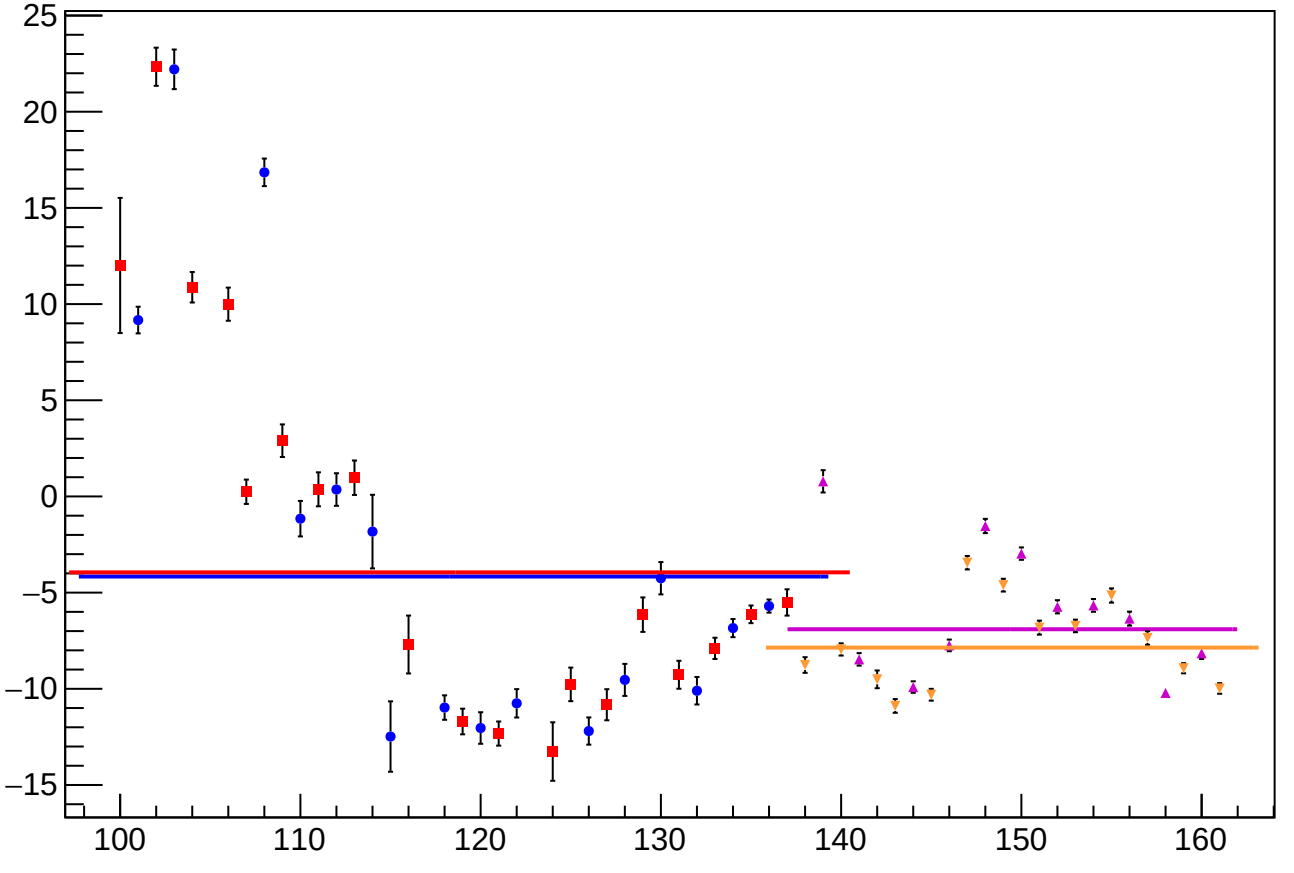
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.304+/-0.094 χ^2/NDF:1612.3/26

Out: -9.776+/-0.092 χ^2/NDF:1784.0/31

All: -10.034+/-0.066 χ^2/NDF: 3412.5/58

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: -7.858+/-0.093 χ^2/NDF:558.7/12

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.904+/-0.098 χ^2/NDF:887.4/10

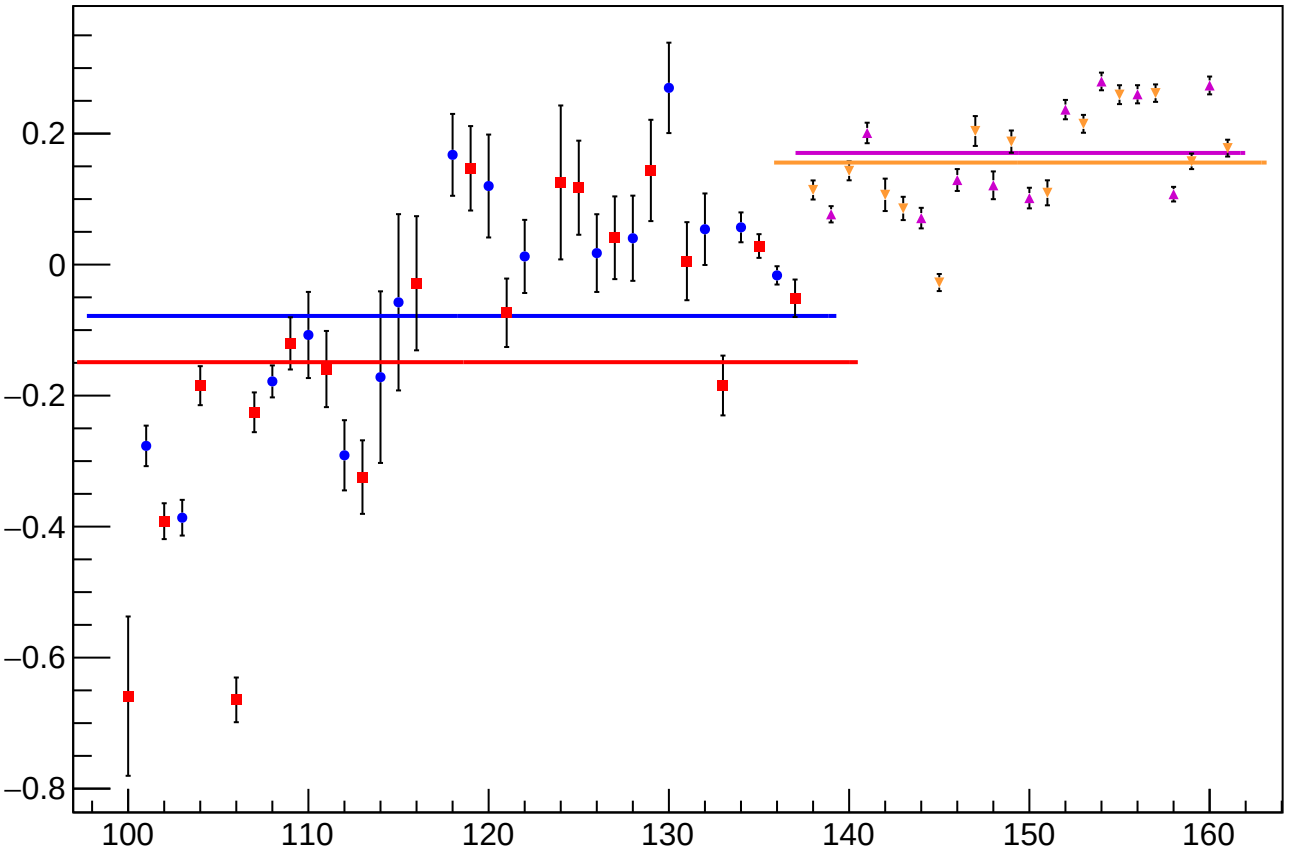
Left: -7.406+/-0.067 χ^2/NDF: 1495.9/23

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.231+/-0.085 χ^2/NDF:3604.1/26

Out: -7.005+/-0.082 χ^2/NDF:3054.9/31

All: -6.632+/-0.059 χ^2/NDF: 6701.8/58



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.156+/-0.004 χ^2/NDF:376.3/12

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.170+/-0.004 χ^2/NDF:348.1/10

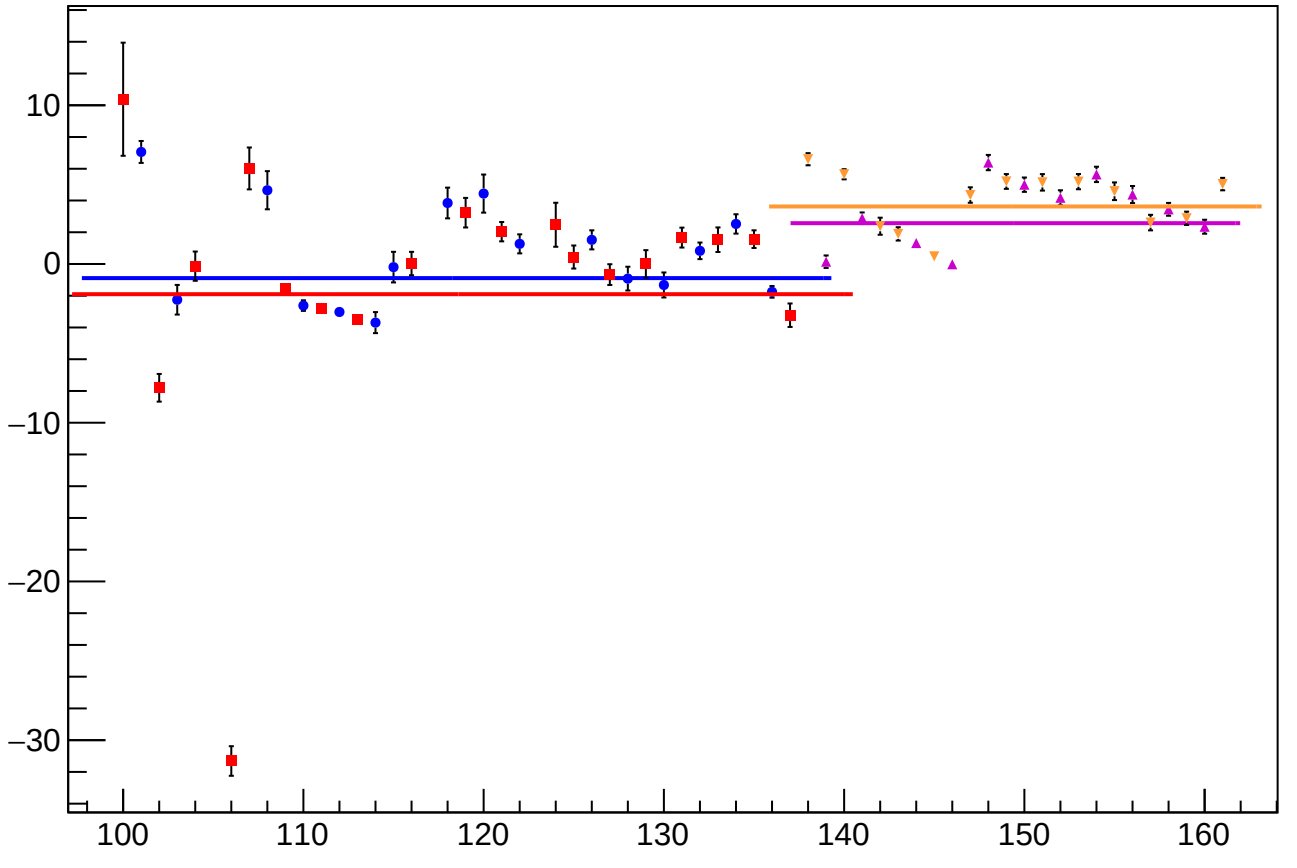
Left: 0.163+/-0.003 χ^2/NDF: 730.3/23

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.120+/-0.004 χ^2/NDF:1338.2/26

Out: 0.102+/-0.004 χ^2/NDF:1831.5/31

All: 0.111+/-0.003 χ^2/NDF: 3179.9/58



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.623+/-0.113 χ^2/NDF:343.5/12

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.572+/-0.118 χ^2/NDF:293.5/10

Left: 3.123+/-0.082 χ^2/NDF: 678.4/23

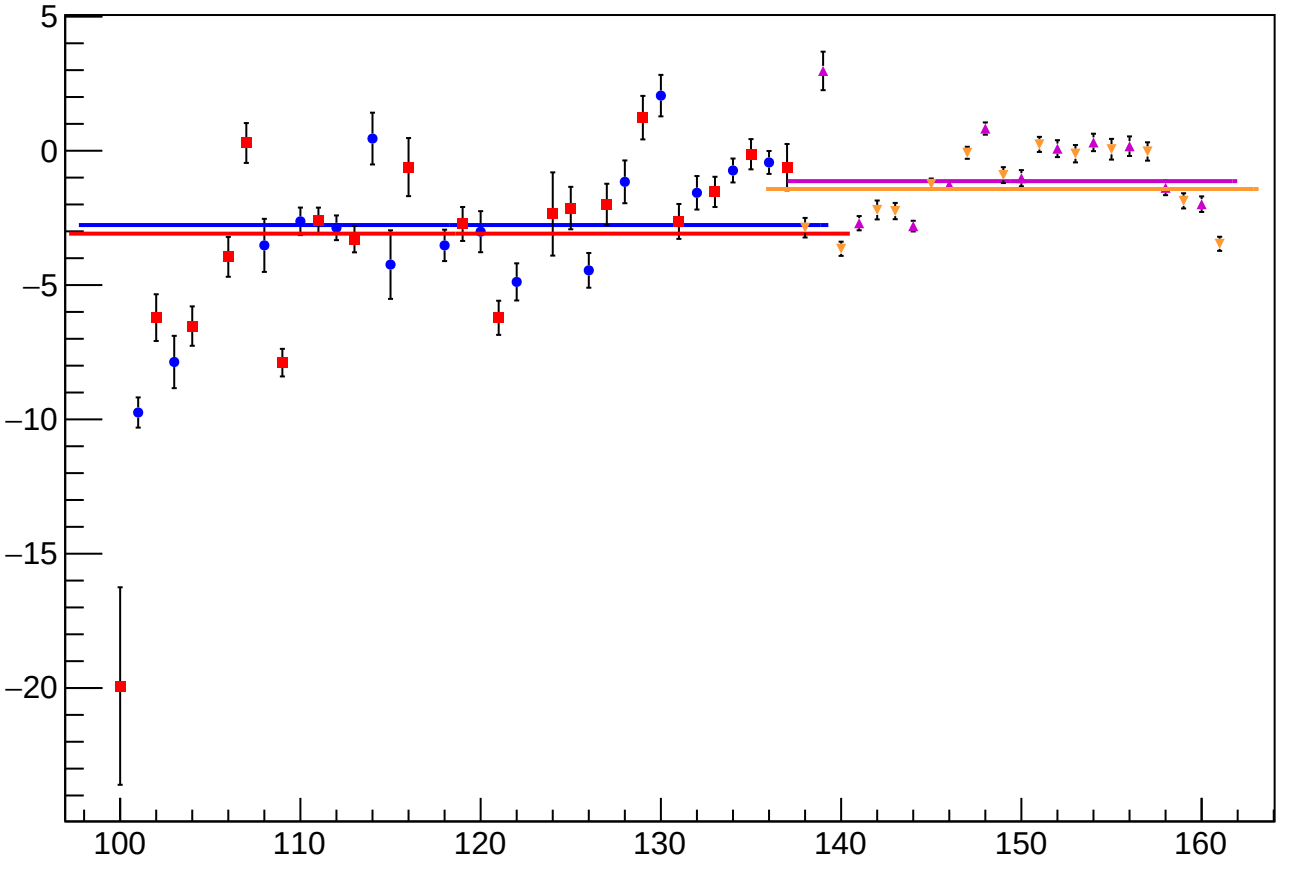
Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.088+/-0.089 χ^2/NDF:1040.5/26

Out: 1.218+/-0.085 χ^2/NDF:2722.0/31

All: 1.156+/-0.061 χ^2/NDF: 3763.6/58

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.424+/-0.079 χ^2/NDF:284.4/12

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.131+/-0.080 χ^2/NDF:269.4/10

Left: -1.280+/-0.056 χ^2/NDF: 560.6/23

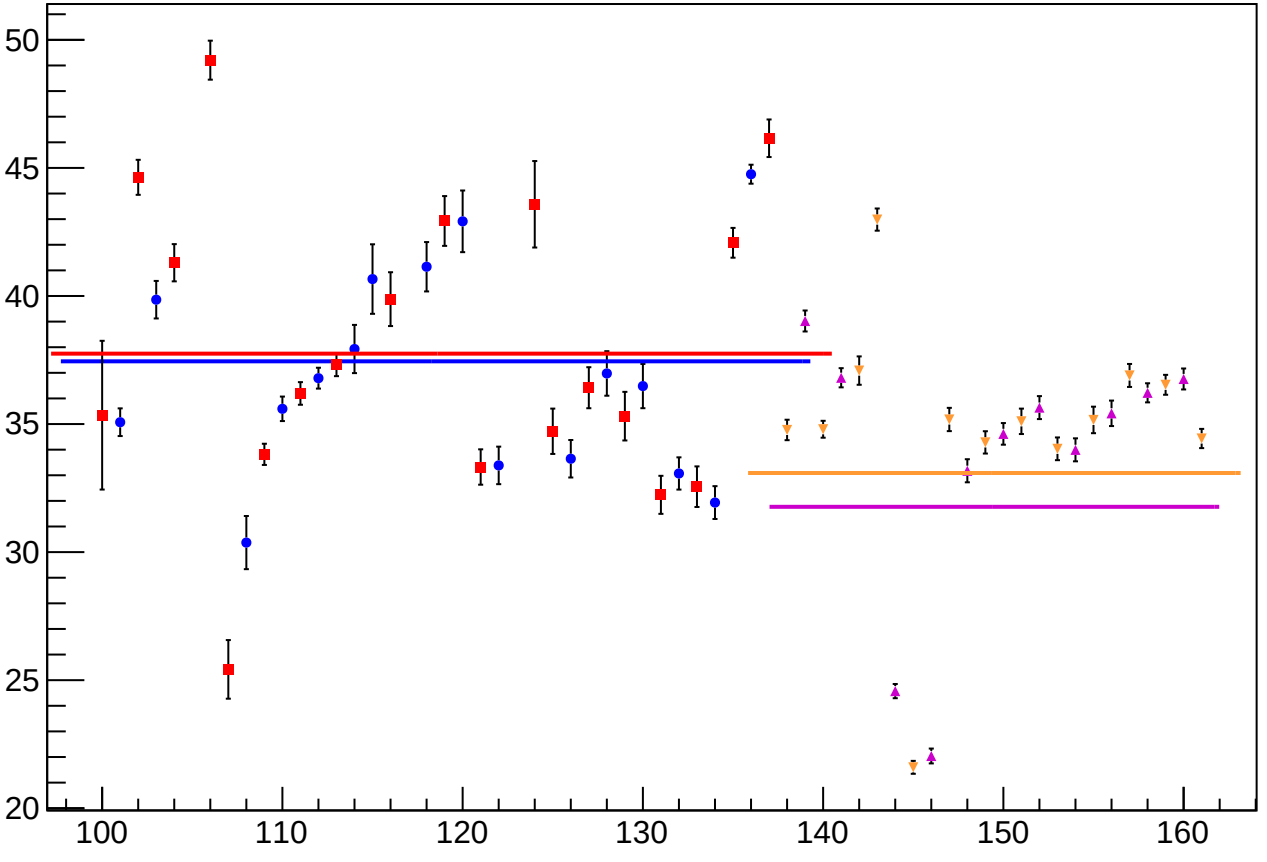
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.472+/-0.071 χ^2/NDF:666.1/26

Out: -1.756+/-0.070 χ^2/NDF:645.9/31

All: -1.616+/-0.050 χ^2/NDF: 1320.0/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 33.089+/-0.111 χ^2/NDF:2919.9/12

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.769+/-0.115 χ^2/NDF:2789.4/10

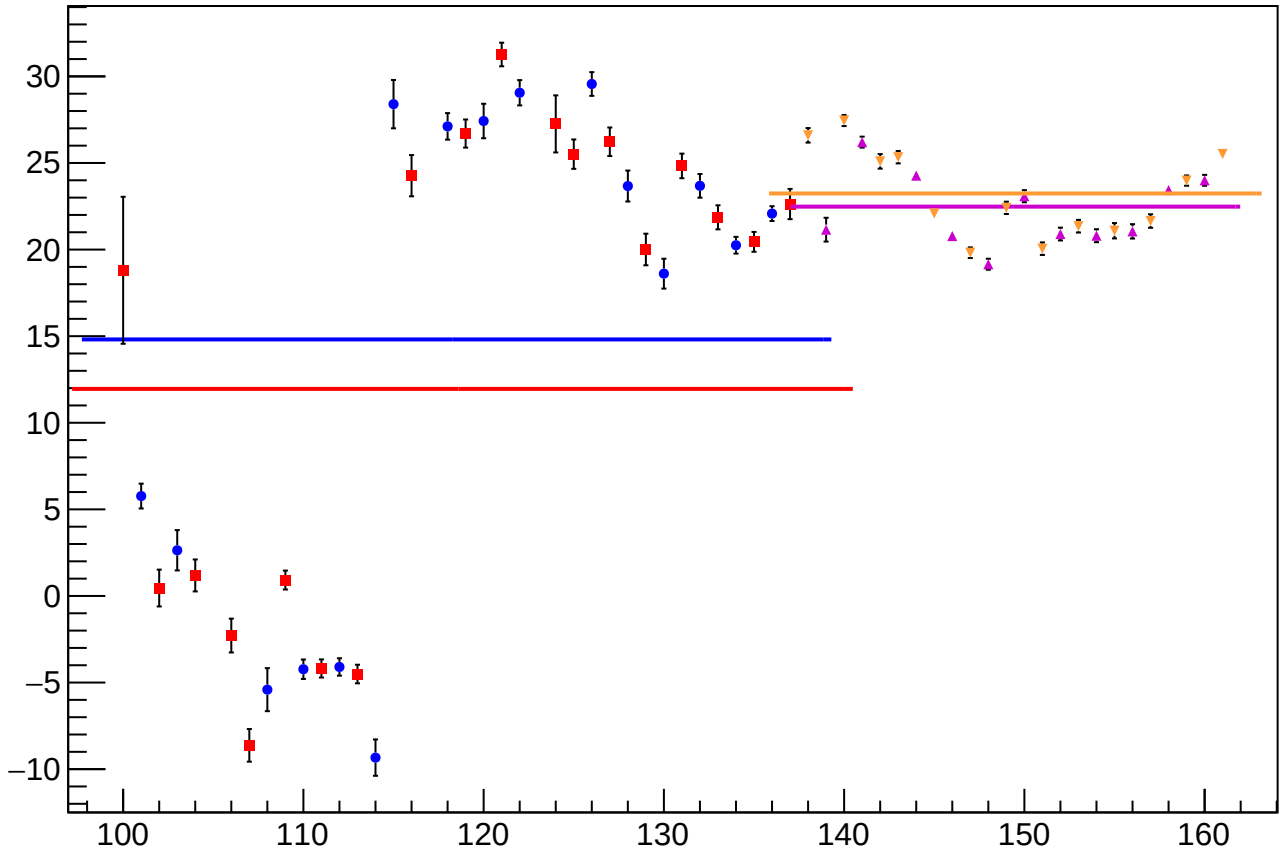
Left: 32.453+/-0.080 χ^2/NDF: 5777.7/23

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.693+/-0.094 χ^2/NDF:4322.4/26

Out: 34.608+/-0.091 χ^2/NDF:4459.5/31

All: 34.163+/-0.065 χ^2/NDF: 8831.1/58



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.240+/-0.092 χ^2/NDF:663.0/12

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.095 χ^2/NDF:456.4/10

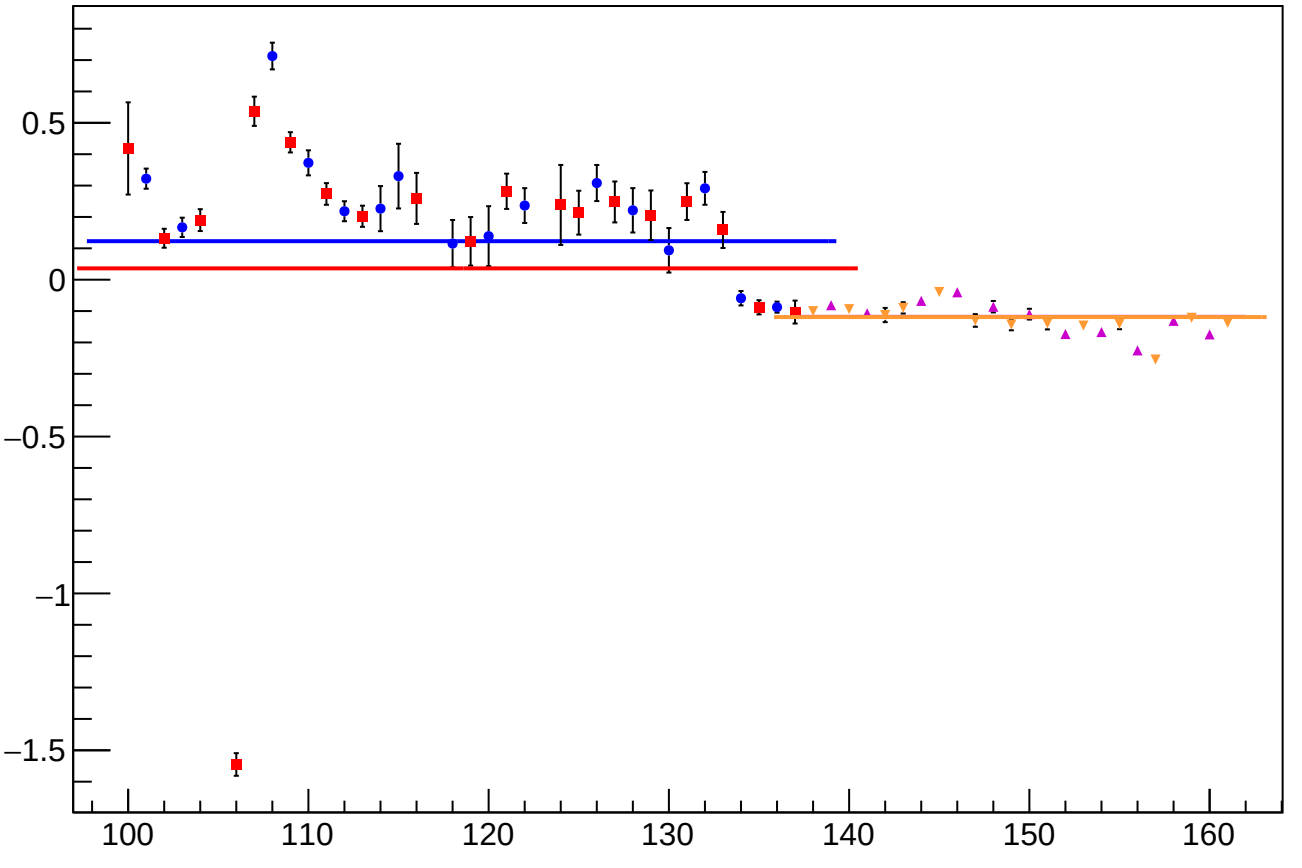
Left: 22.870+/-0.066 χ^2/NDF: 1152.4/23

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.720+/-0.083 χ^2/NDF:7641.1/26

Out: 20.819+/-0.082 χ^2/NDF:9967.7/31

All: 20.770+/-0.058 χ^2/NDF: 17609.5/58



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.119+/-0.004 χ^2/NDF:165.8/12

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.118+/-0.004 χ^2/NDF:149.5/10

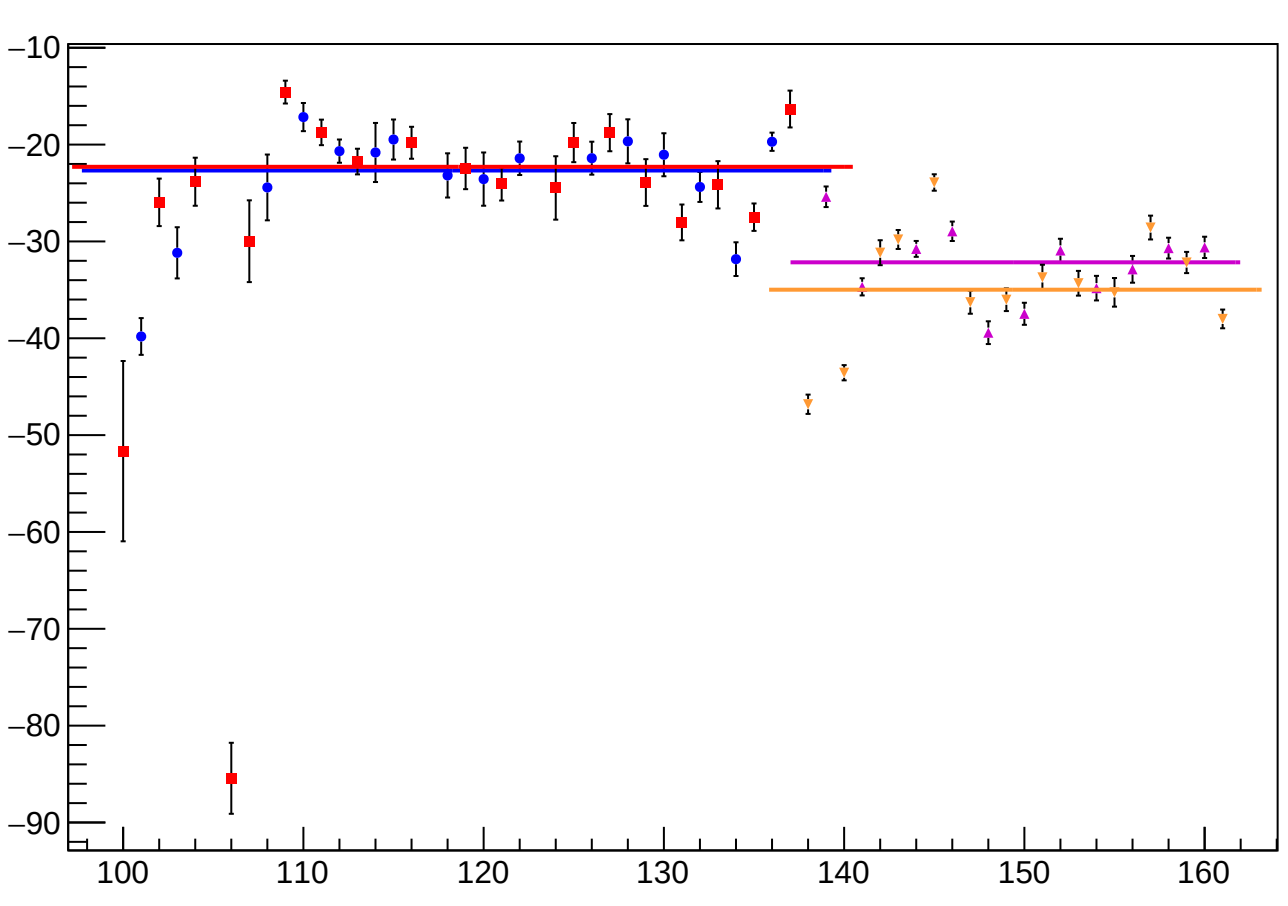
Left: -0.119+/-0.003 χ^2/NDF: 315.4/23

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.075+/-0.004 χ^2/NDF:1207.8/26

Out: -0.094+/-0.004 χ^2/NDF:2792.4/31

All: -0.085+/-0.003 χ^2/NDF: 4012.4/58



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -34.984+/-0.297 χ^2/NDF:513.3/12

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.156+/-0.322 χ^2/NDF:131.3/10

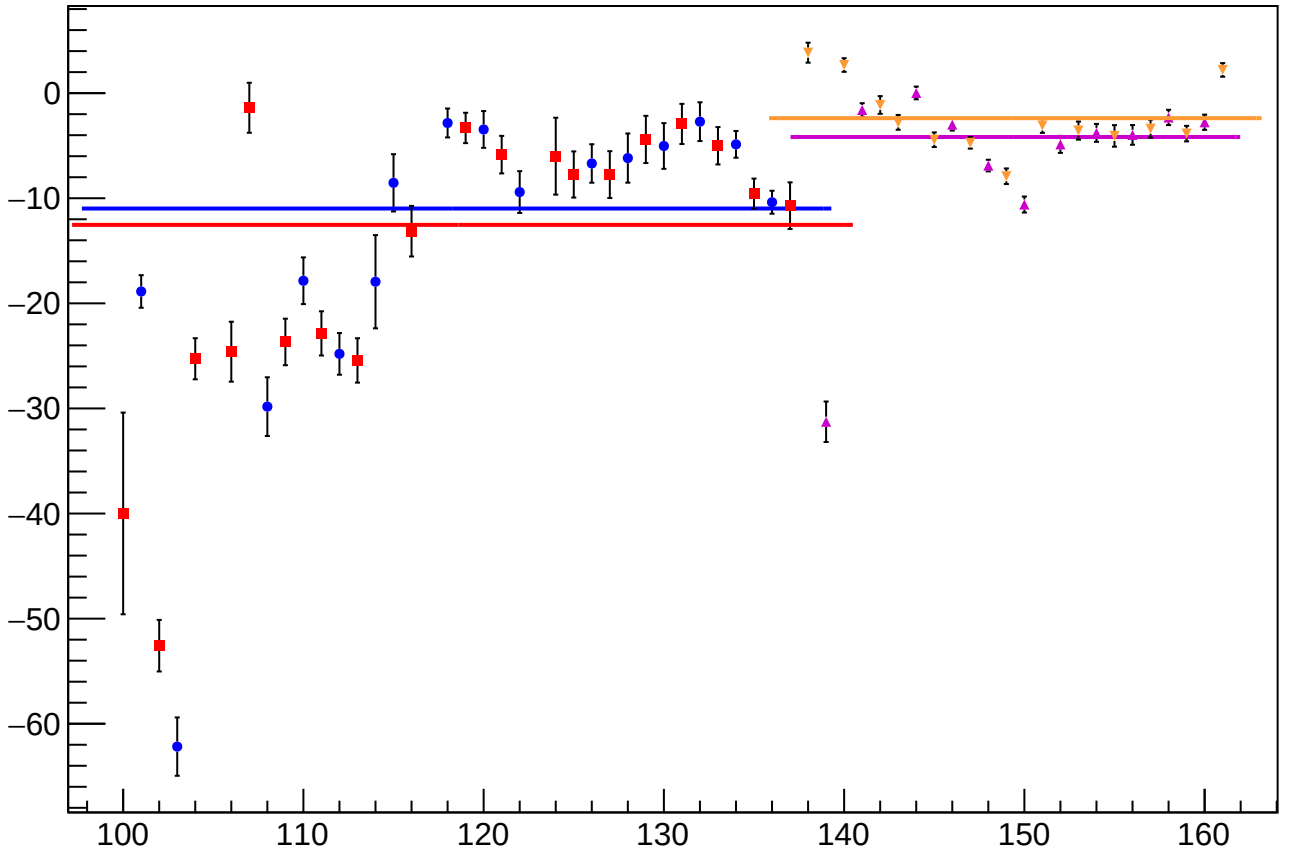
Left: -33.682+/-0.218 χ^2/NDF: 686.3/23

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.798+/-0.259 χ^2/NDF:593.2/26

Out: -30.946+/-0.245 χ^2/NDF:1498.5/31

All: -29.928+/-0.178 χ^2/NDF: 2128.0/58



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.380+/-0.204 χ^2/NDF:249.7/12

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.173+/-0.216 χ^2/NDF:373.1/10

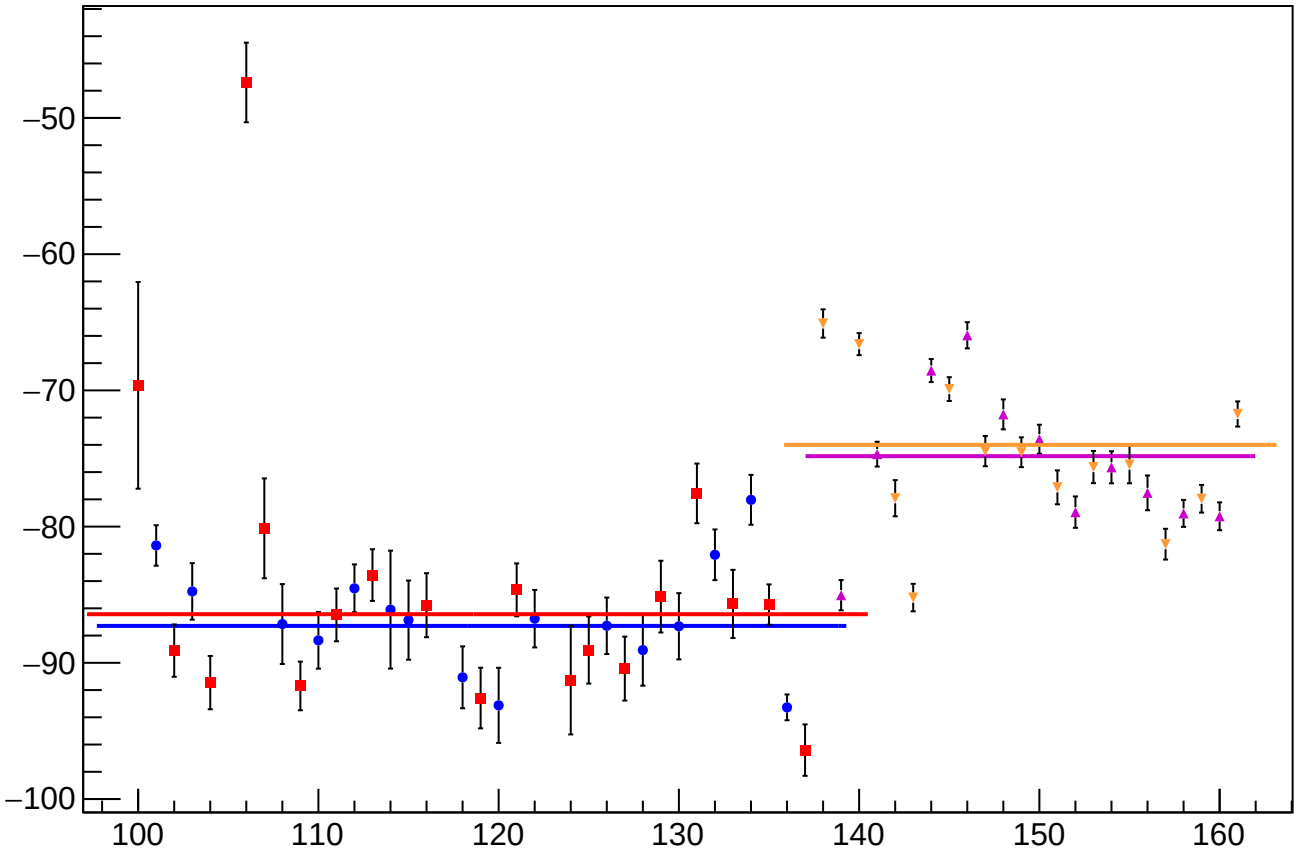
Left: -3.224+/-0.148 χ^2/NDF: 659.2/23

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.436+/-0.195 χ^2/NDF:1143.9/26

Out: -3.929+/-0.188 χ^2/NDF:1199.5/31

All: -4.653+/-0.135 χ^2/NDF: 2374.3/58



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -74.002+/-0.291 χ^2/NDF:384.0/12

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -74.828+/-0.312 χ^2/NDF:288.9/10

Left: -74.387+/-0.213 χ^2/NDF: 676.7/23

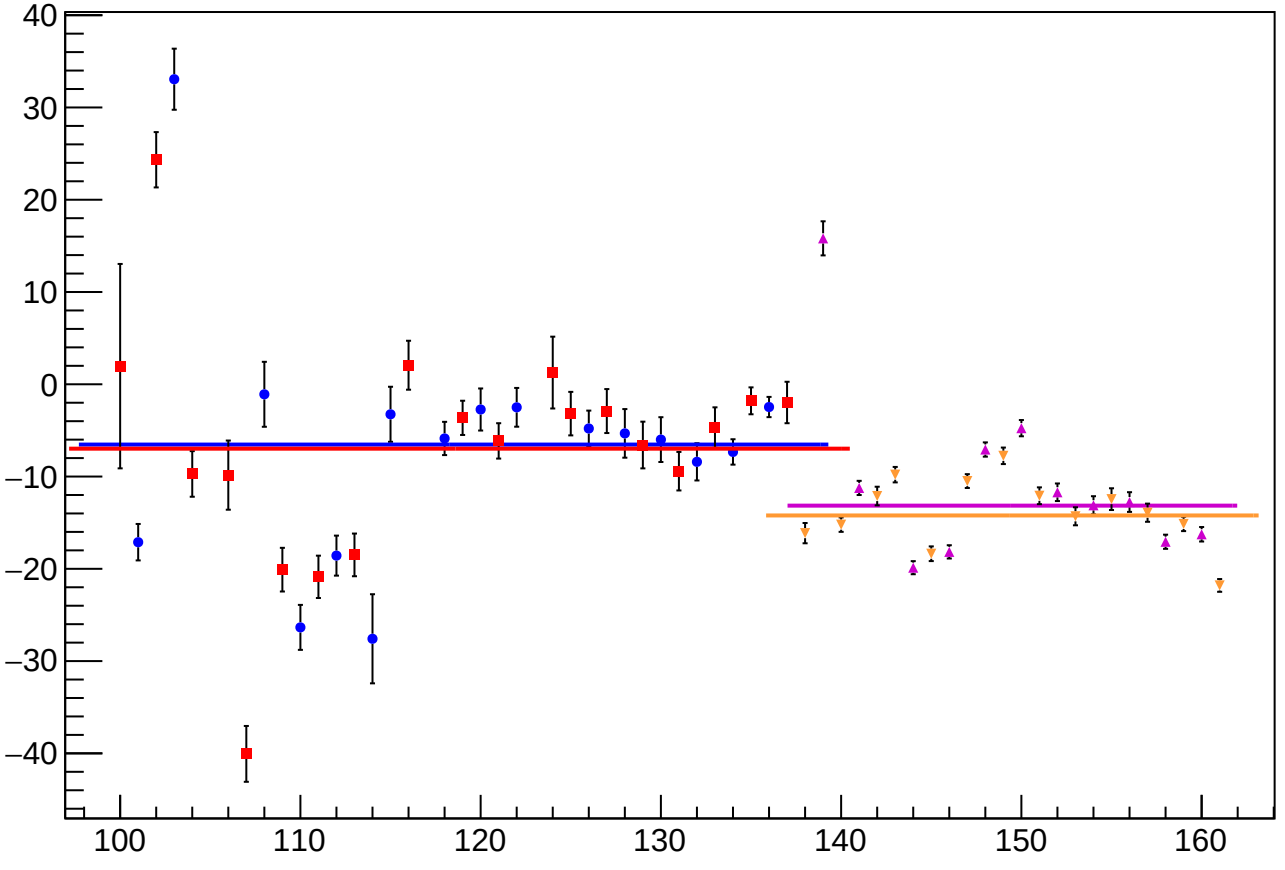
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.520+/-0.262 χ^2/NDF:863.4/26

Out: -77.097+/-0.252 χ^2/NDF:1102.1/31

All: -77.783+/-0.182 χ^2/NDF: 1980.8/58

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: -14.217+/-0.241 χ^2/NDF:270.4/12

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -13.153+/-0.256 χ^2/NDF:587.3/10

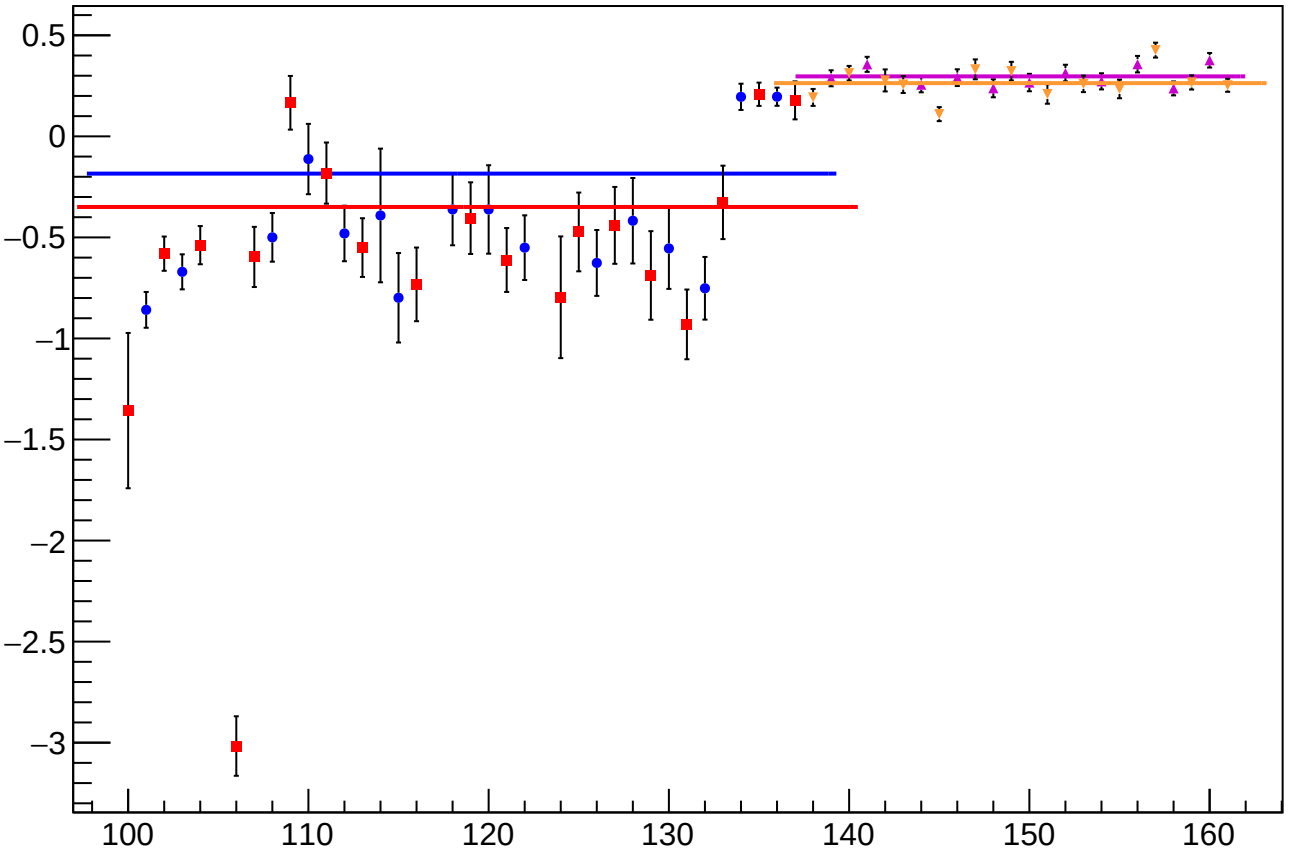
Left: -13.718+/-0.176 χ^2/NDF: 866.8/23

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.808+/-0.229 χ^2/NDF:1036.5/26

Out: -13.022+/-0.220 χ^2/NDF:787.8/31

All: -12.439+/-0.159 χ^2/NDF: 1838.9/58



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.263+/-0.011 χ^2/NDF:49.3/12

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.297+/-0.012 χ^2/NDF:16.7/10

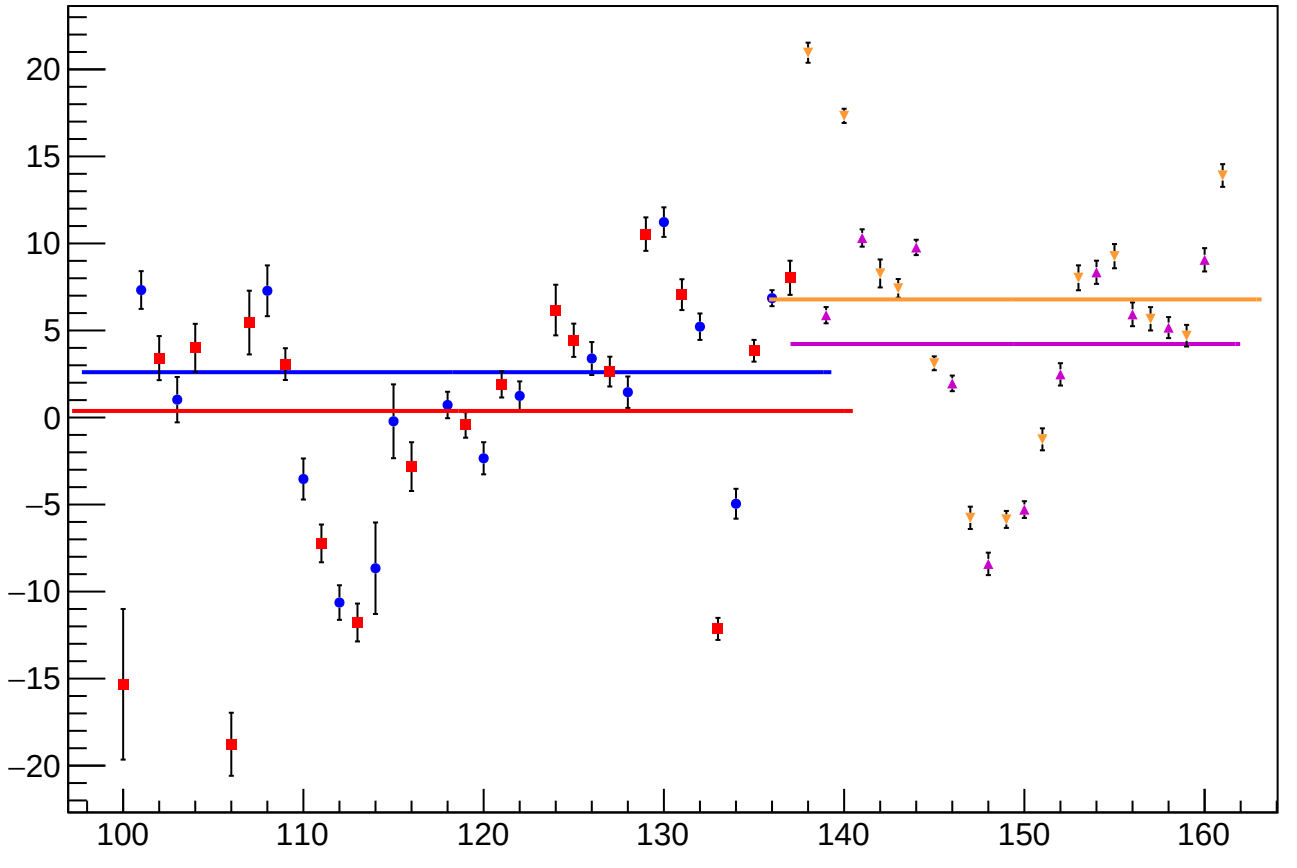
Left: 0.279+/-0.008 χ^2/NDF: 70.2/23

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.218+/-0.011 χ^2/NDF:534.0/26

Out: 0.185+/-0.010 χ^2/NDF:947.0/31

All: 0.201+/-0.008 χ^2/NDF: 1485.7/58



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.784+/-0.157 χ^2/NDF:2725.2/12

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 4.223+/-0.164 χ^2/NDF:1226.5/10

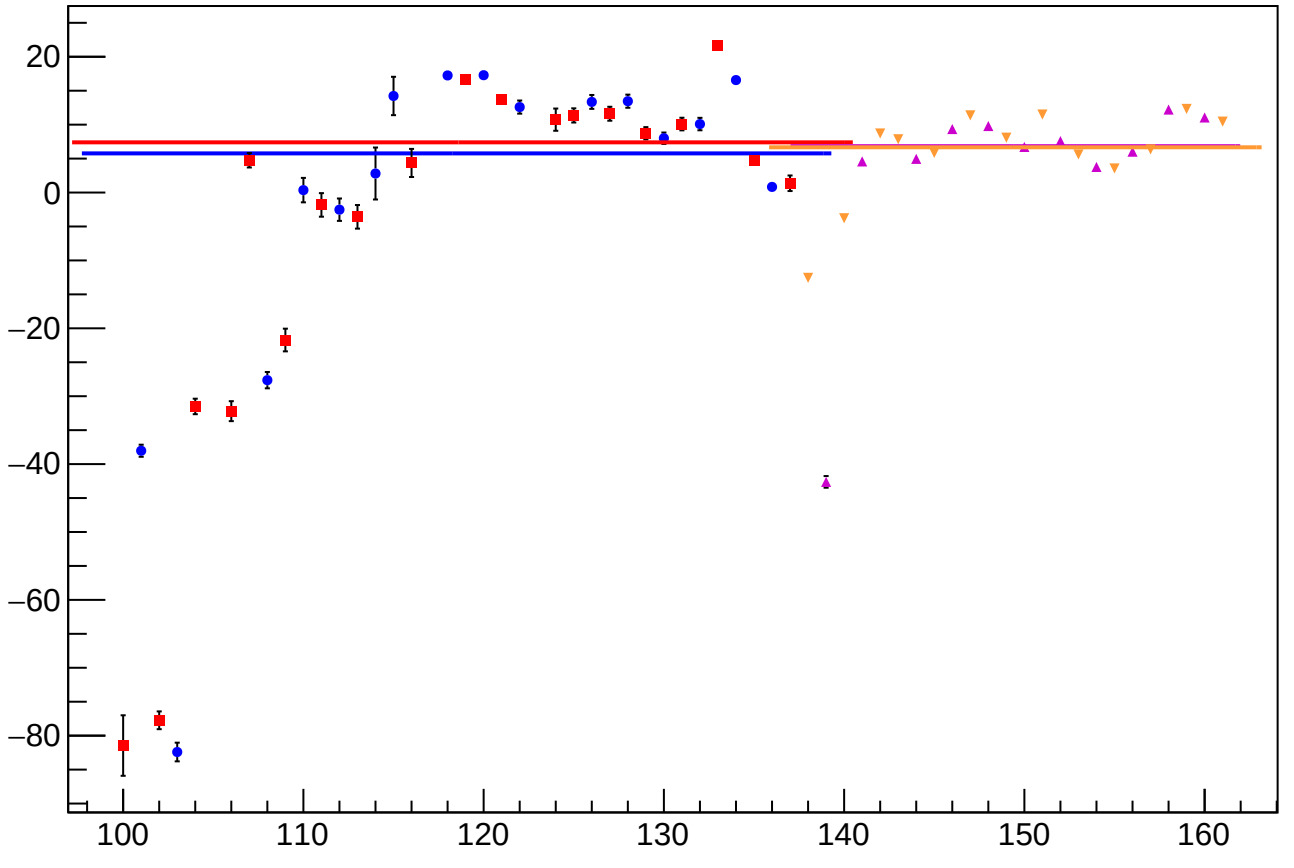
Left: 5.559+/-0.113 χ^2/NDF: 4079.2/23

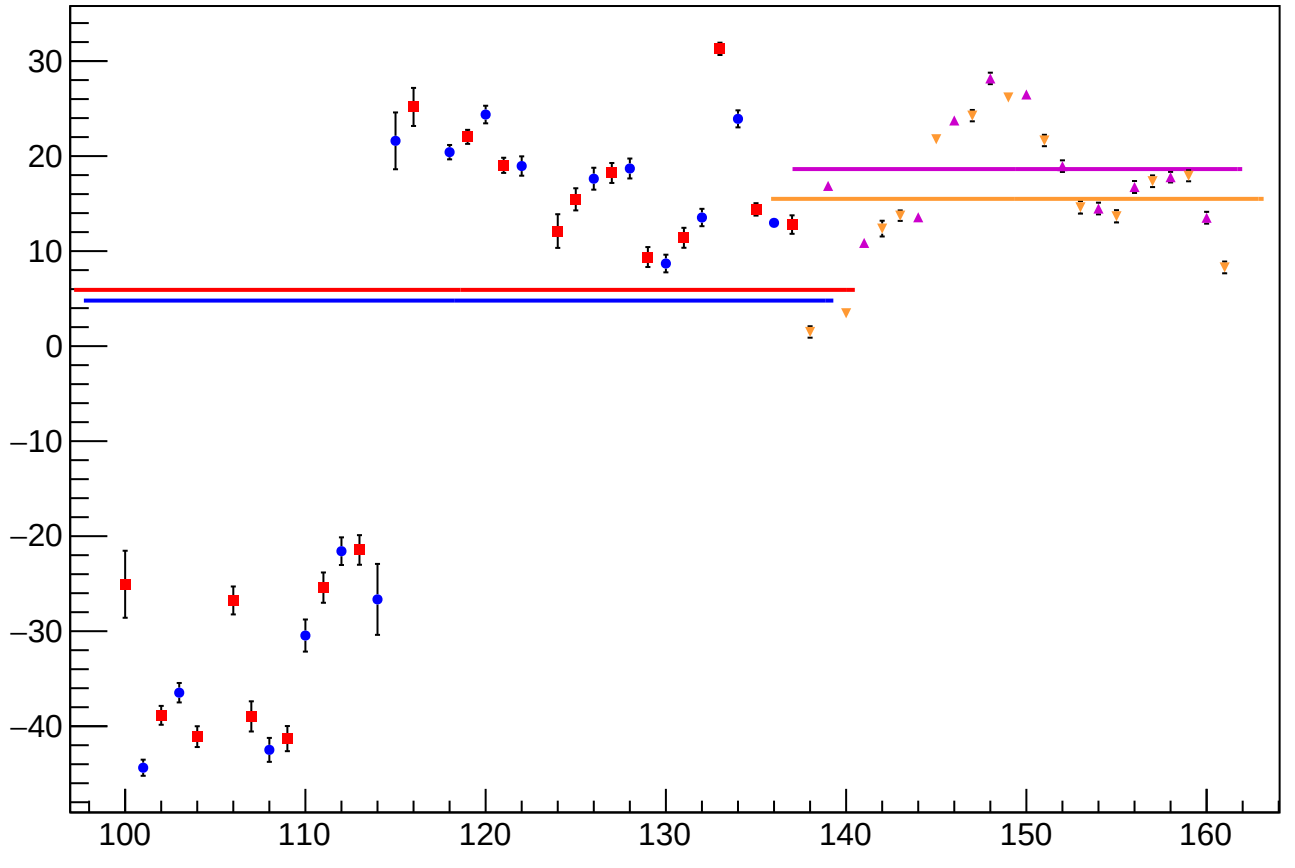
Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.659+/-0.132 χ^2/NDF:1833.6/26

Out: 4.654+/-0.128 χ^2/NDF:4310.9/31

All: 4.172+/-0.092 χ^2/NDF: 6173.7/58


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 6.664+/-0.109 χ²/NDF:2809.7/12
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 6.829+/-0.114 χ²/NDF:3878.0/10
Left: 6.743+/-0.079 χ²/NDF: 6688.9/23
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.588+/-0.100 χ²/NDF:12831.6/26
Out: 6.820+/-0.097 χ²/NDF:11209.9/31
All: 6.708+/-0.070 χ²/NDF: 24044.3/58



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.500+/-0.154 χ^2/NDF:2661.9/12

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.634+/-0.159 χ^2/NDF:1188.2/10

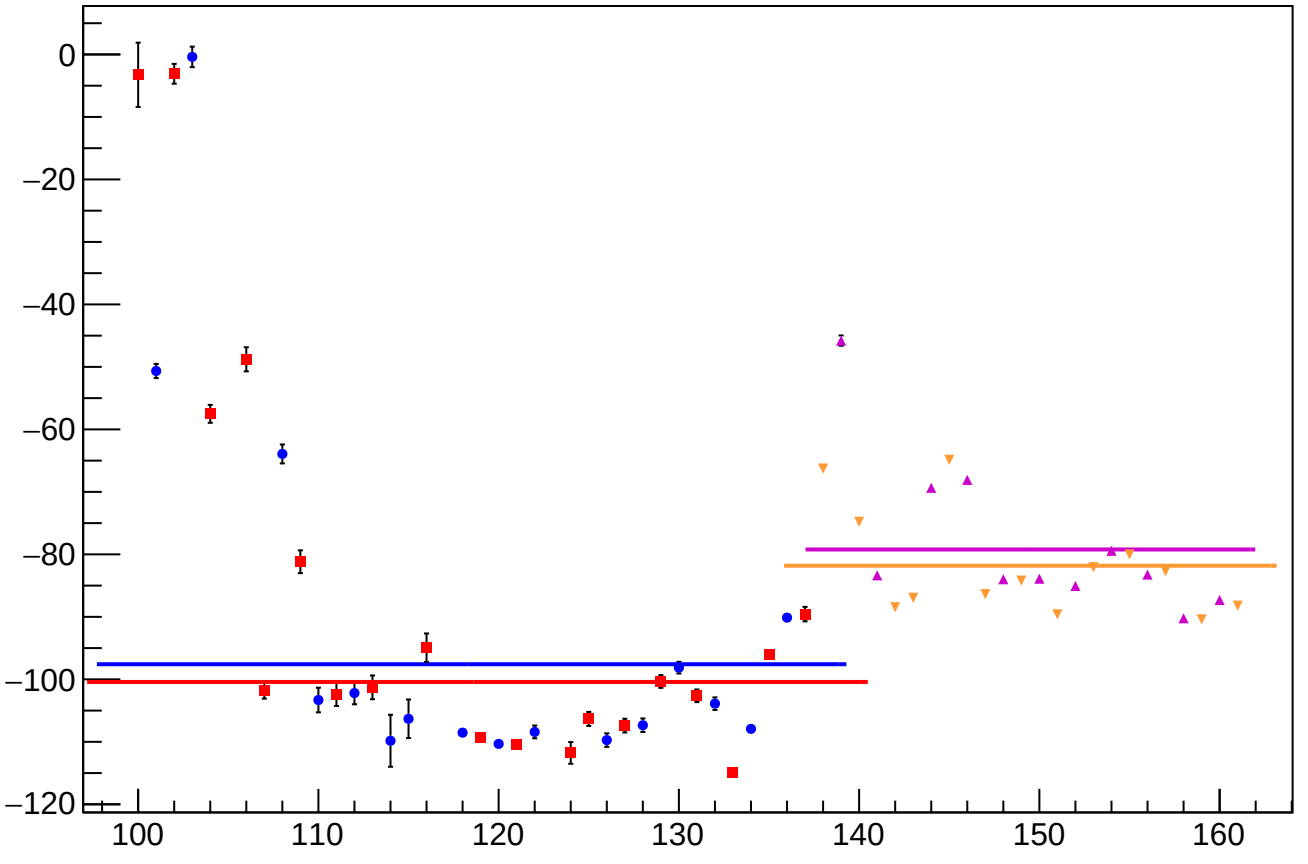
Left: 17.012+/-0.110 χ^2/NDF: 4051.2/23

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.350+/-0.132 χ^2/NDF:13031.5/26

Out: 12.717+/-0.129 χ^2/NDF:13852.5/31

All: 13.516+/-0.092 χ^2/NDF: 26962.1/58



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.817+/-0.129 χ^2/NDF:4135.8/12

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -79.218+/-0.134 χ^2/NDF:4874.8/10

Left: -80.569+/-0.093 χ^2/NDF: 9206.3/23

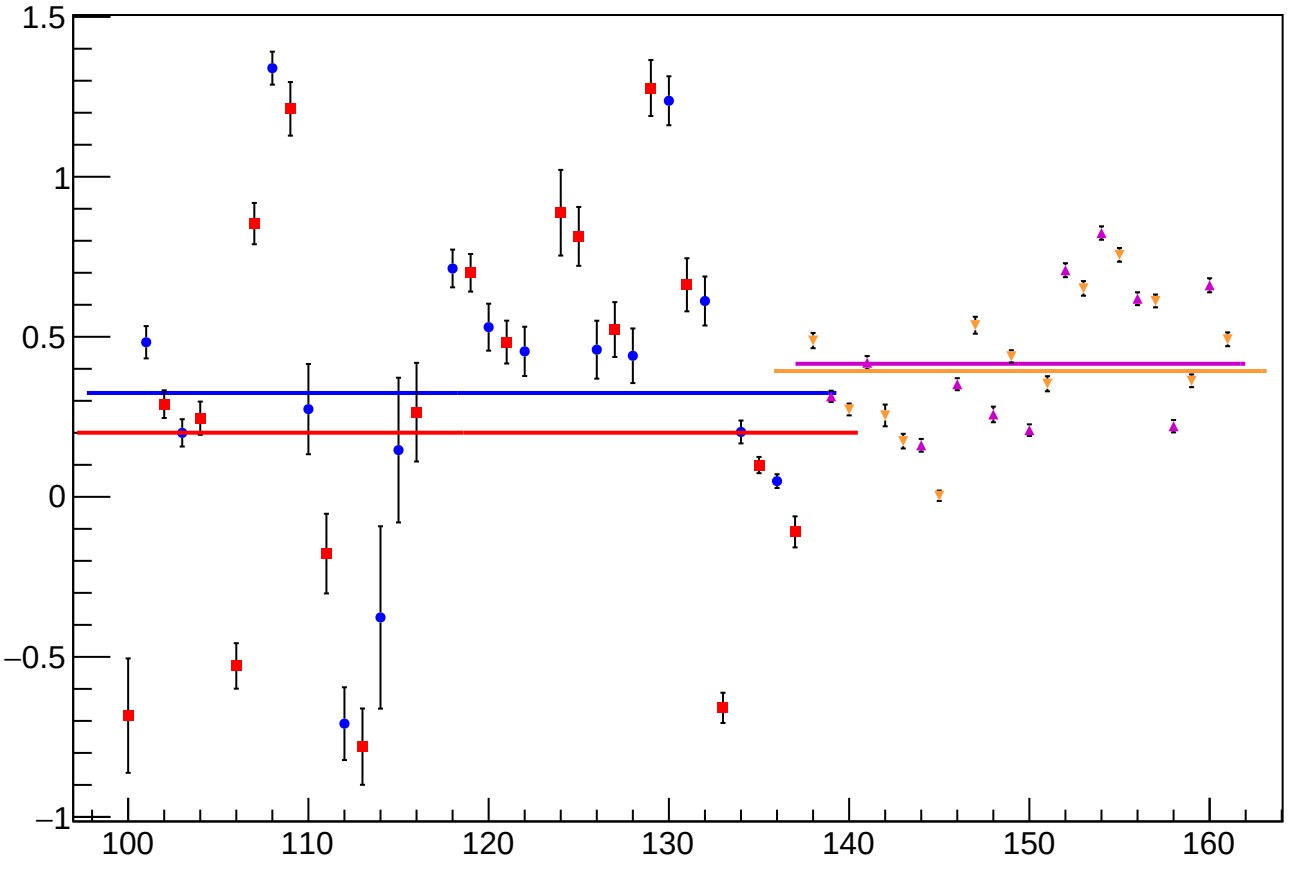
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.533+/-0.117 χ^2/NDF:16435.3/26

Out: -85.949+/-0.114 χ^2/NDF:15886.1/31

All: -84.779+/-0.082 χ^2/NDF: 32540.6/58

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.393+/-0.006 χ^2/NDF:1336.3/12

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.416+/-0.006 χ^2/NDF:1264.2/10

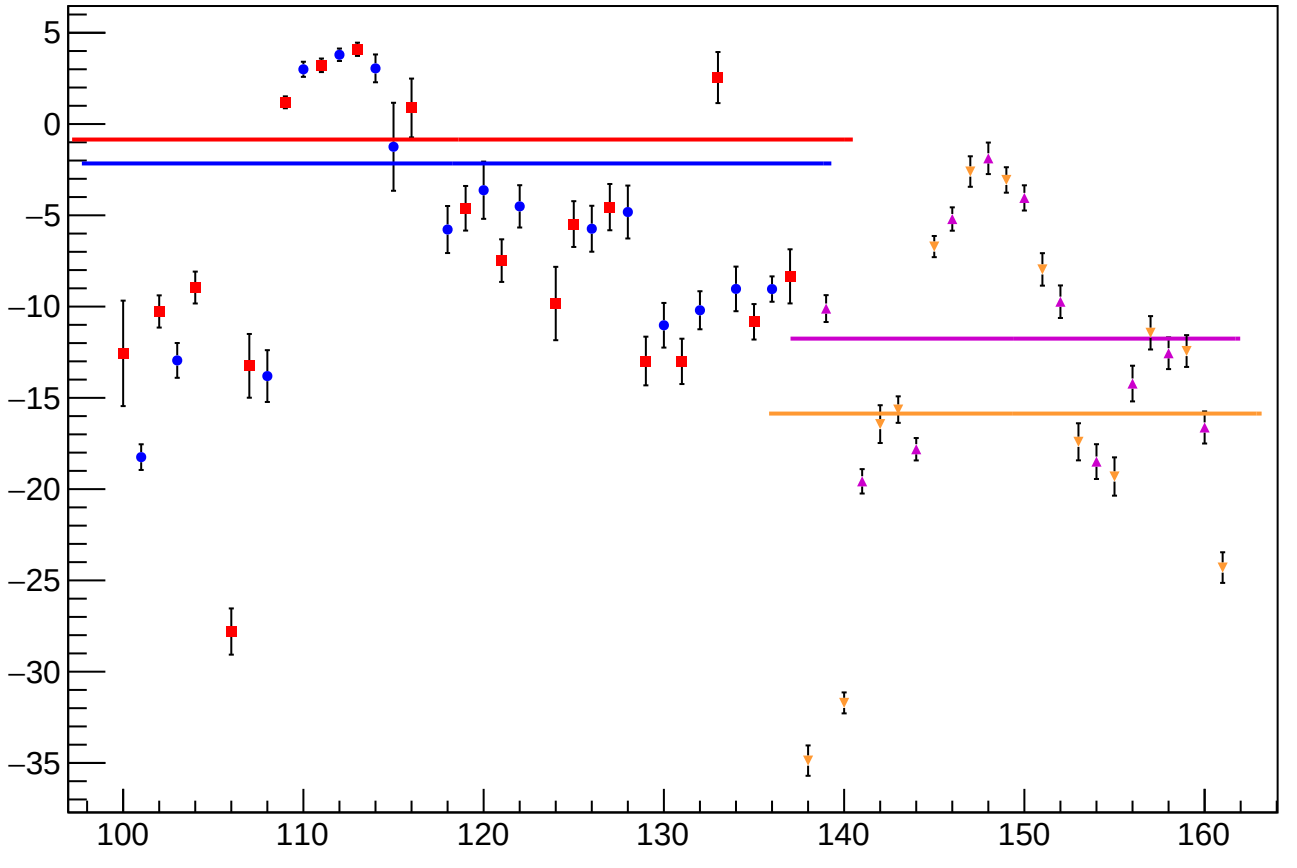
Left: 0.404+/-0.004 χ^2/NDF: 2607.6/23

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.400+/-0.006 χ^2/NDF:2189.7/26

Out: 0.363+/-0.005 χ^2/NDF:2706.2/31

All: 0.381+/-0.004 χ^2/NDF: 4918.3/58



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.861+/-0.219 χ^2/NDF:2353.8/12

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -11.755+/-0.232 χ^2/NDF:692.3/10

Left: -13.922+/-0.159 χ^2/NDF: 3212.0/23

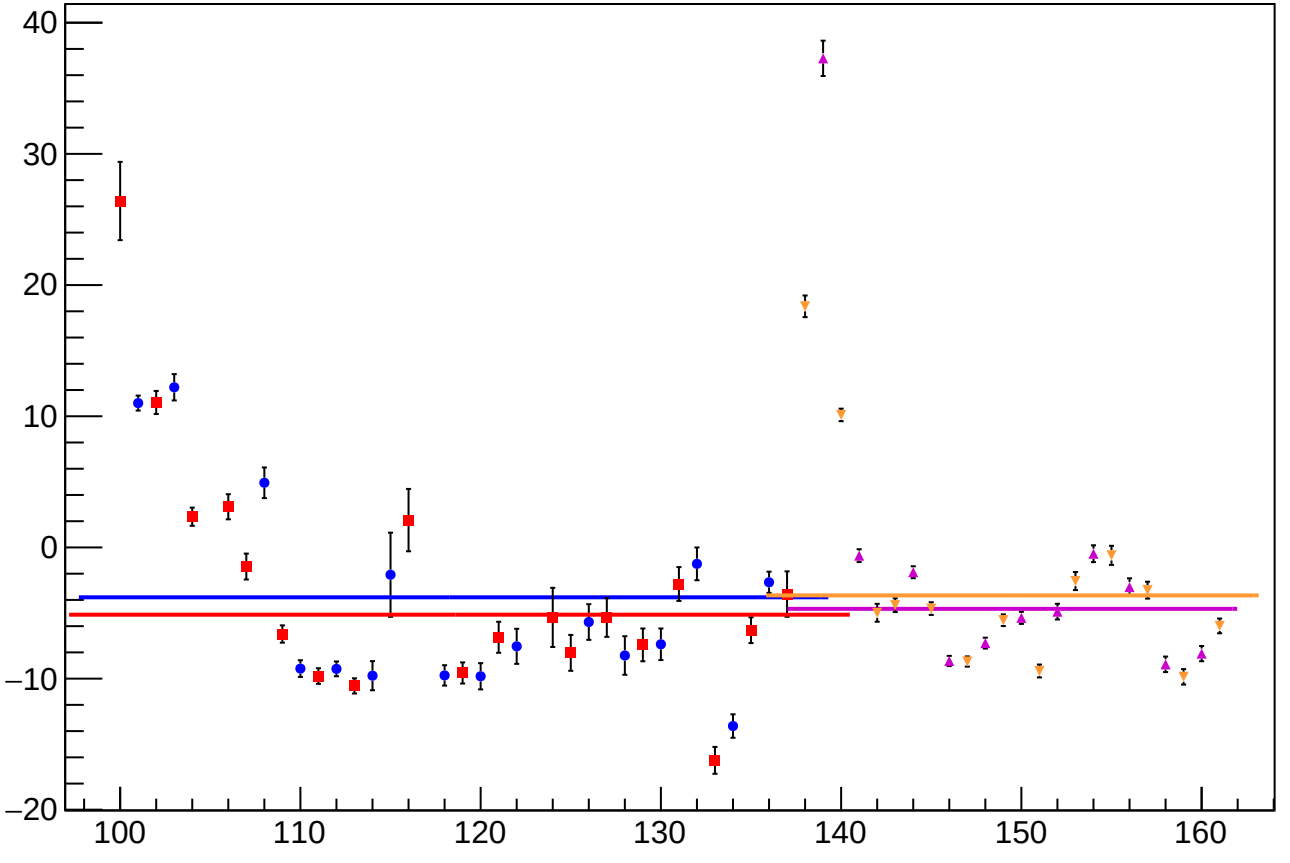
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -6.067+/-0.148 χ^2/NDF:3200.5/26

Out: -6.508+/-0.134 χ^2/NDF:6745.5/31

All: -6.308+/-0.099 χ^2/NDF: 9951.0/58

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: -3.655+/-0.150 χ^2/NDF:2023.8/12

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.680+/-0.158 χ^2/NDF:1360.5/10

Left: -4.142+/-0.109 χ^2/NDF: 3406.3/23

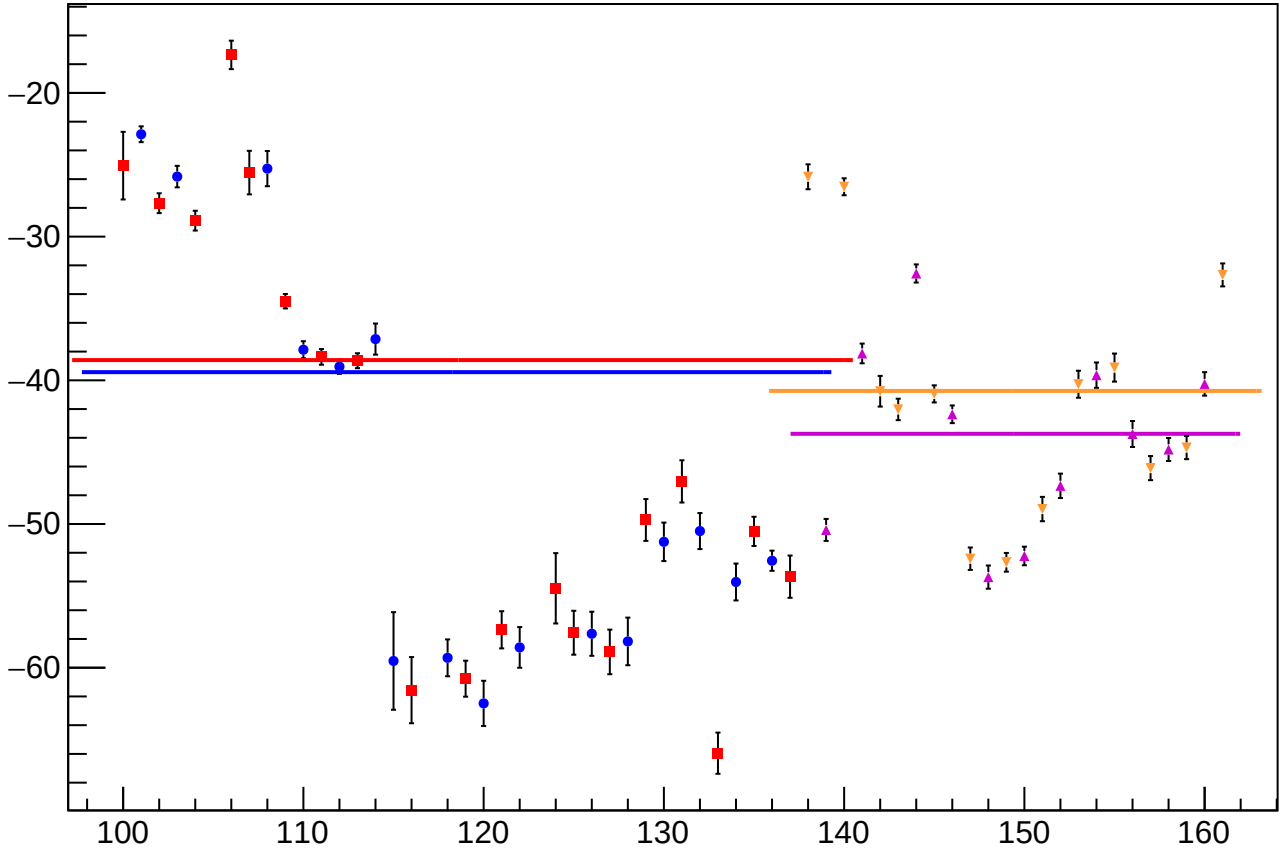
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.390+/-0.129 χ^2/NDF:2796.2/26

Out: -4.128+/-0.124 χ^2/NDF:3035.0/31

All: -4.253+/-0.090 χ^2/NDF: 5833.4/58

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: -40.738+/-0.214 χ^2/NDF:1700.2/12

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -43.722+/-0.224 χ^2/NDF:844.0/10

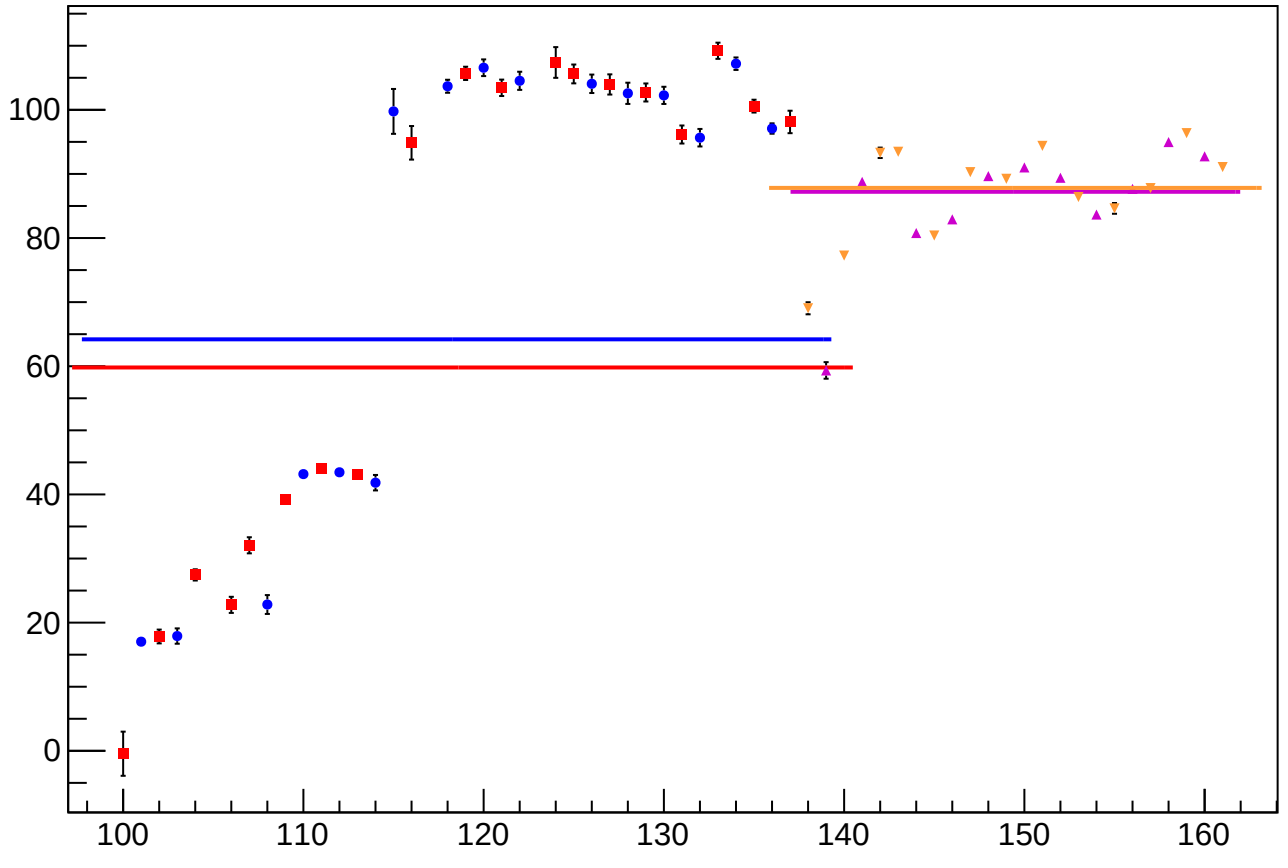
Left: -42.161+/-0.155 χ^2/NDF: 2636.7/23

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.586+/-0.159 χ^2/NDF:3984.1/26

Out: -39.657+/-0.151 χ^2/NDF:4522.8/31

All: -40.571+/-0.109 χ^2/NDF: 8584.4/58



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.822+/-0.178 χ^2/NDF:1419.1/12

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 87.215+/-0.187 χ^2/NDF:1032.8/10

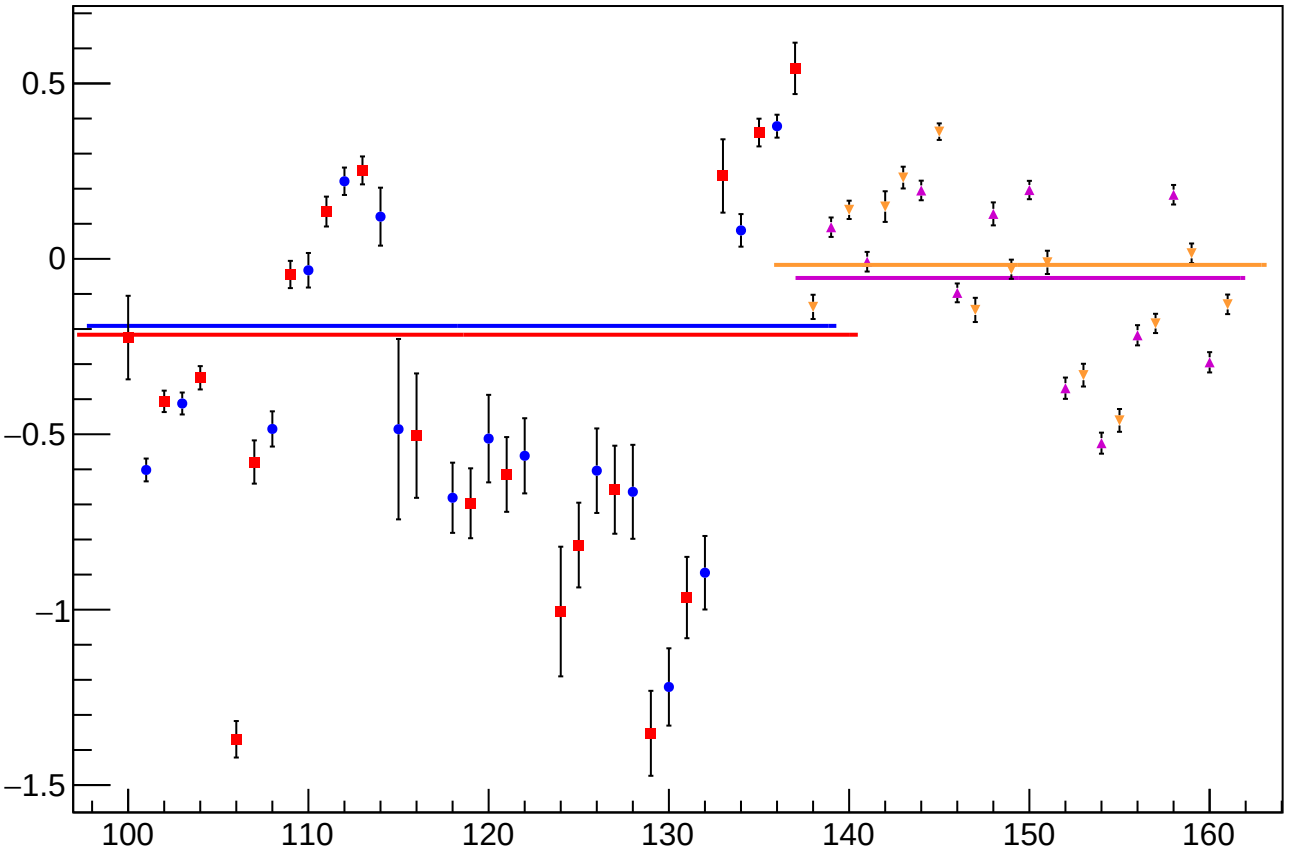
Left: 87.533+/-0.129 χ^2/NDF: 2457.4/23

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.277+/-0.151 χ^2/NDF:24864.7/26

Out: 78.314+/-0.145 χ^2/NDF:27231.5/31

All: 78.775+/-0.105 χ^2/NDF: 52117.4/58



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.017+/-0.008 χ^2/NDF:735.5/12

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.054+/-0.009 χ^2/NDF:762.7/10

Left: -0.035+/-0.006 χ^2/NDF: 1507.9/23

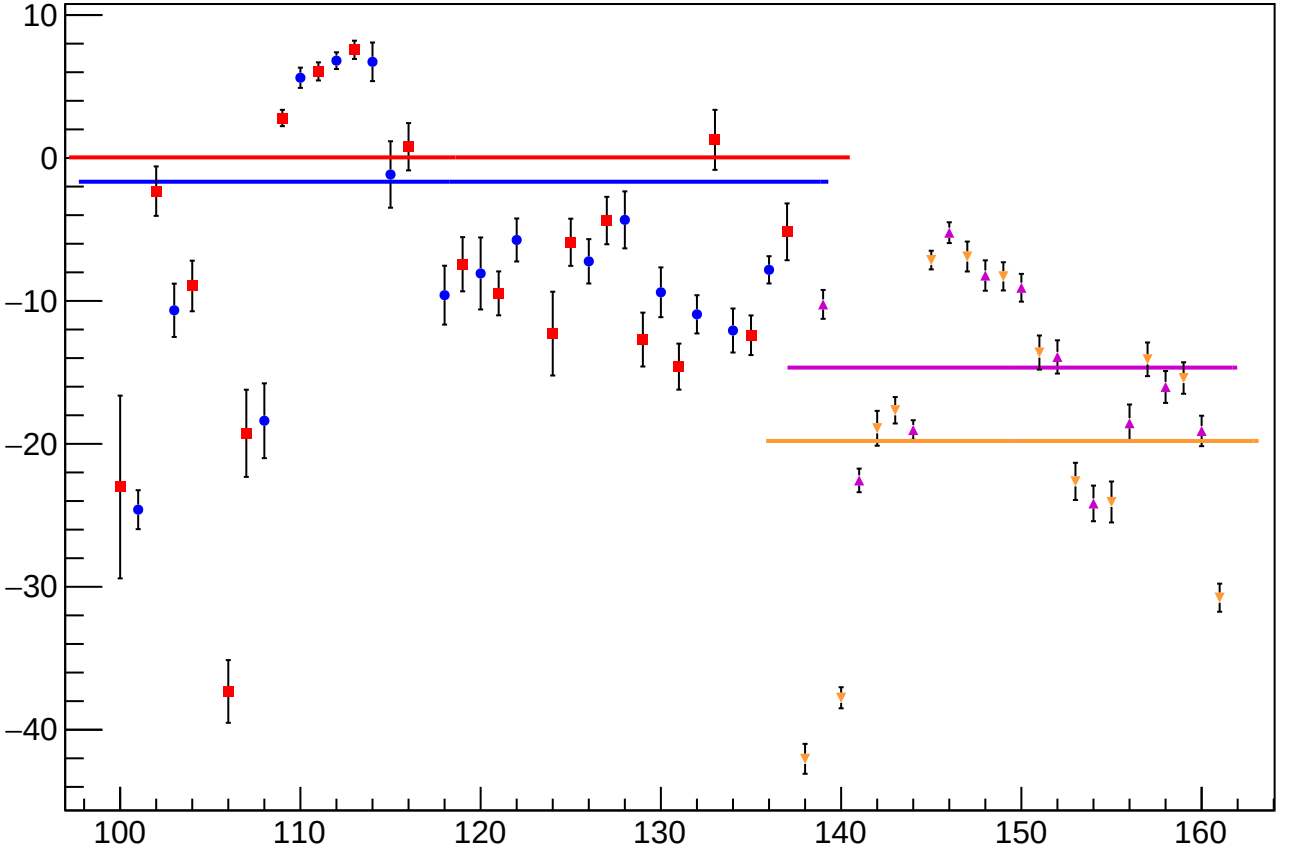
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.094+/-0.007 χ^2/NDF:1754.4/26

Out: -0.075+/-0.007 χ^2/NDF:2271.4/31

All: -0.084+/-0.005 χ^2/NDF: 4029.3/58

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: -19.798+/-0.275 χ^2/NDF:1920.7/12

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.665+/-0.288 χ^2/NDF:476.0/10

Left: -17.350+/-0.199 χ^2/NDF: 2563.2/23

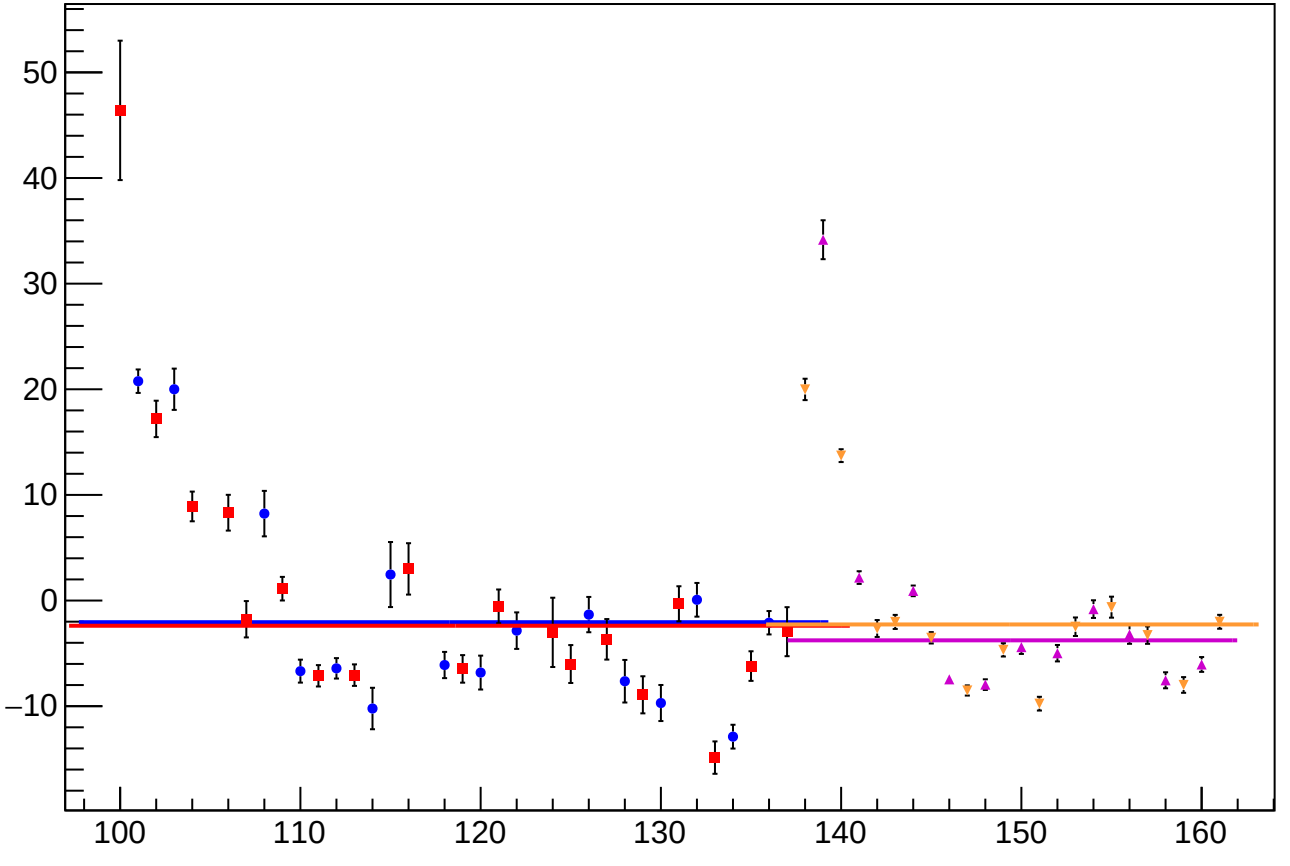
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -8.608+/-0.210 χ^2/NDF:2328.2/26

Out: -10.134+/-0.197 χ^2/NDF:5392.4/31

All: -9.422+/-0.144 χ^2/NDF: 7748.7/58

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.263+/-0.189 χ^2/NDF:1559.6/12

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.767+/-0.193 χ^2/NDF:802.2/10

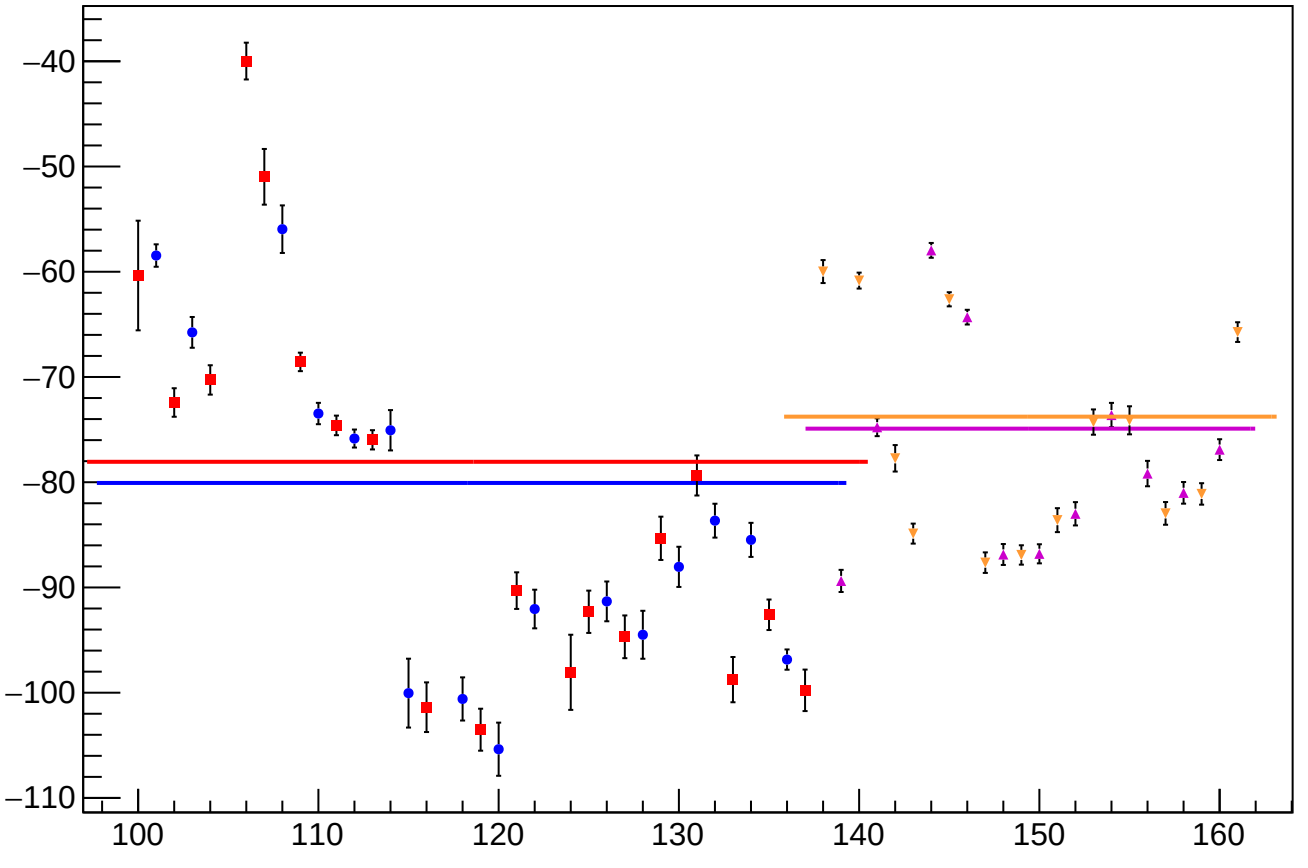
Left: -2.998+/-0.135 χ^2/NDF: 2392.8/23

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.377+/-0.170 χ^2/NDF:1592.1/26

Out: -2.290+/-0.167 χ^2/NDF:2010.6/31

All: -2.824+/-0.119 χ^2/NDF: 3623.6/58



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.769+/-0.270 χ^2/NDF:1551.5/12

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -74.909+/-0.279 χ^2/NDF:1420.8/10

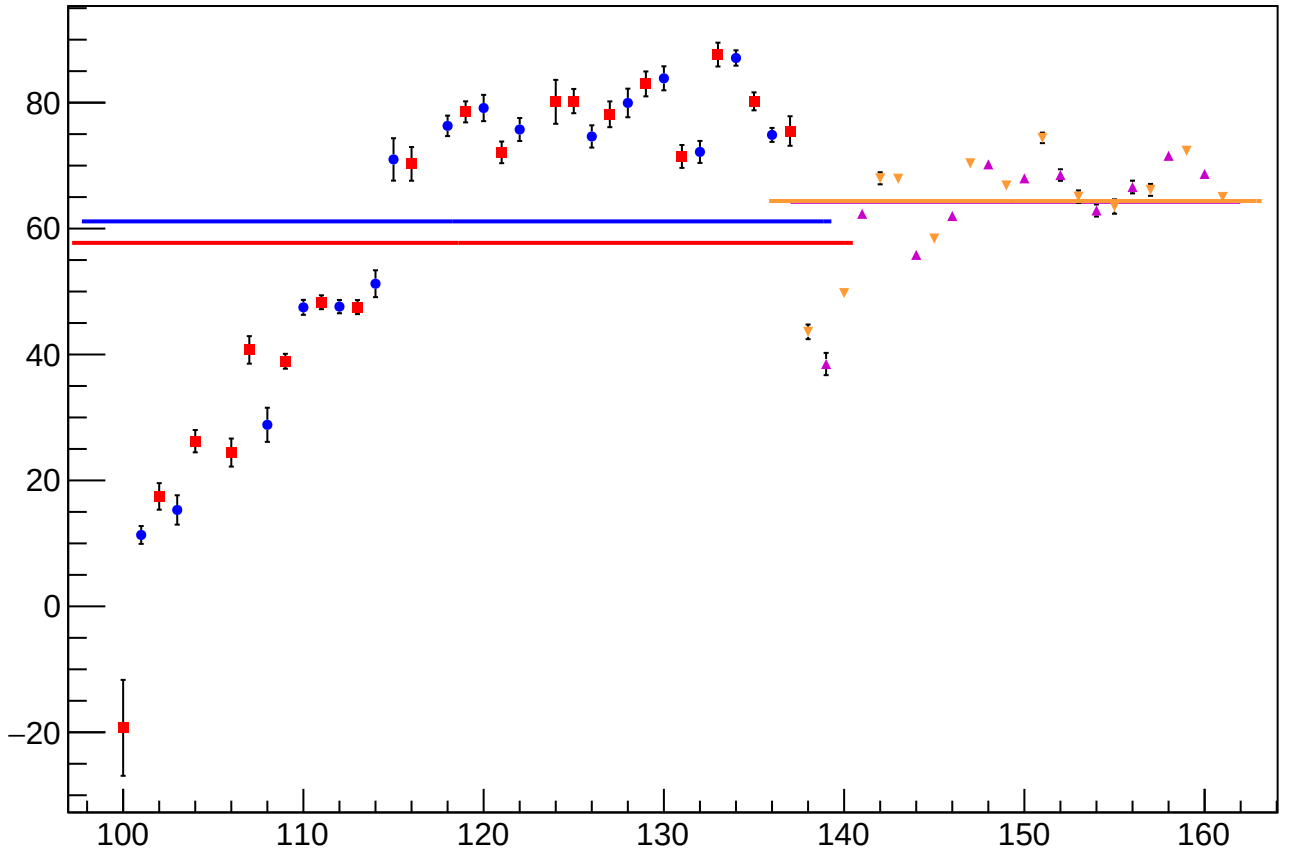
Left: -74.319+/-0.194 χ^2/NDF: 2980.9/23

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.820+/-0.222 χ^2/NDF:2934.3/26

Out: -75.347+/-0.214 χ^2/NDF:3205.8/31

All: -76.059+/-0.154 χ^2/NDF: 6162.9/58



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.378+/-0.224 χ^2/NDF:1192.3/12

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 64.245+/-0.230 χ^2/NDF:683.8/10

Left: 64.313+/-0.160 χ^2/NDF: 1876.3/23

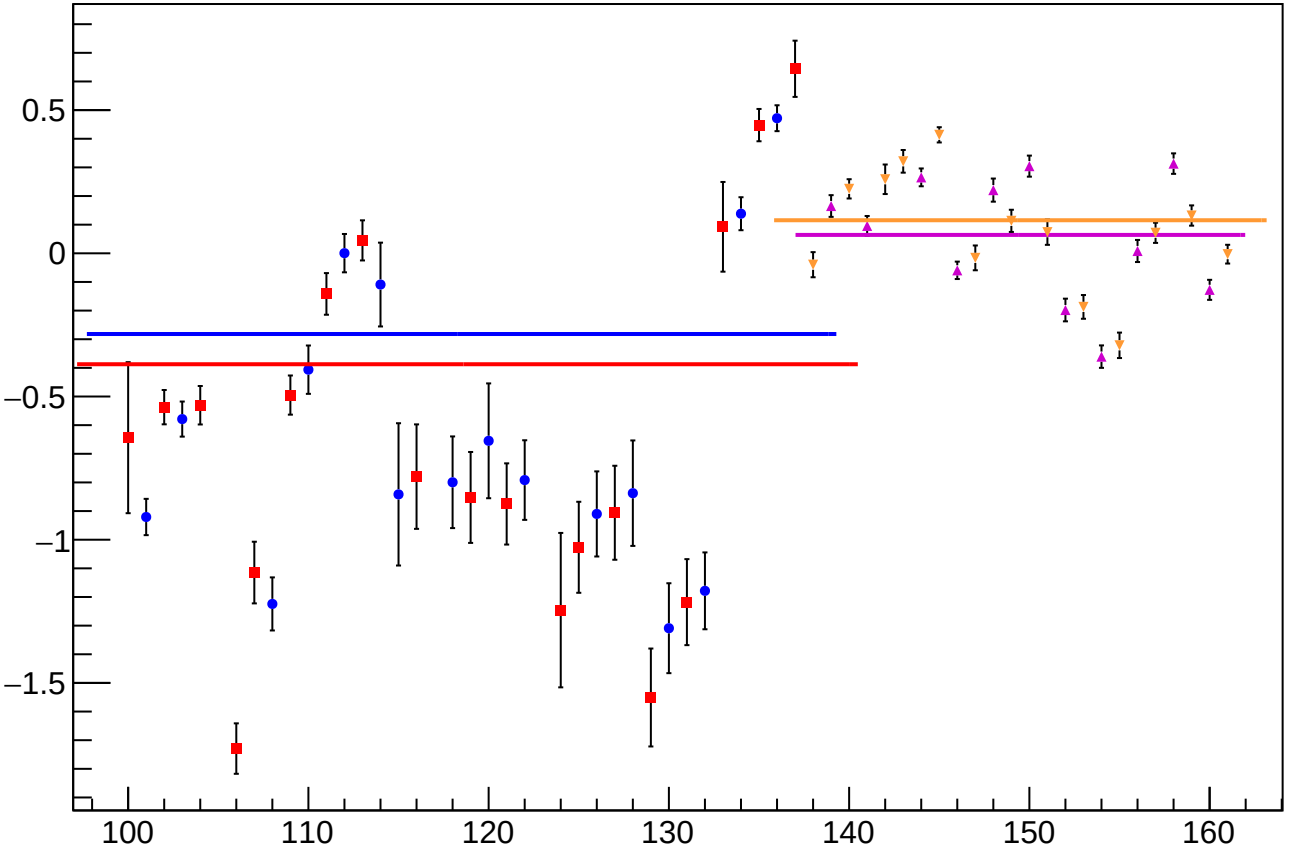
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 63.475+/-0.199 χ^2/NDF:3958.3/26

Out: 62.794+/-0.195 χ^2/NDF:4178.4/31

All: 63.127+/-0.140 χ^2/NDF: 8142.7/58

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.115+/-0.010 χ^2/NDF:358.2/12

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.064+/-0.011 χ^2/NDF:365.7/10

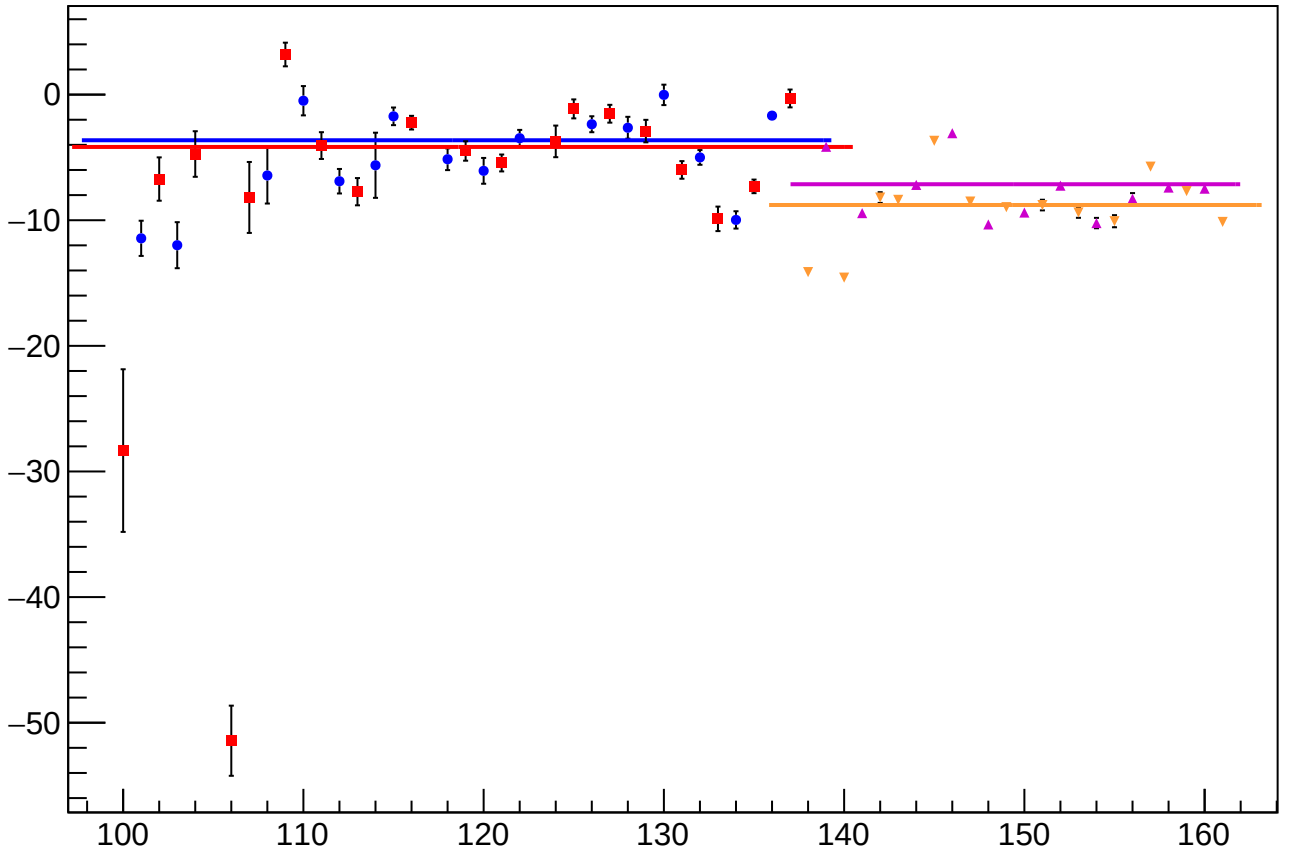
Left: 0.091+/-0.008 χ^2/NDF: 735.6/23

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.005+/-0.010 χ^2/NDF:1298.7/26

Out: 0.022+/-0.009 χ^2/NDF:1606.1/31

All: 0.009+/-0.007 χ^2/NDF: 2908.8/58



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.787+/-0.094 χ^2/NDF:1365.2/12

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.135+/-0.097 χ^2/NDF:620.4/10

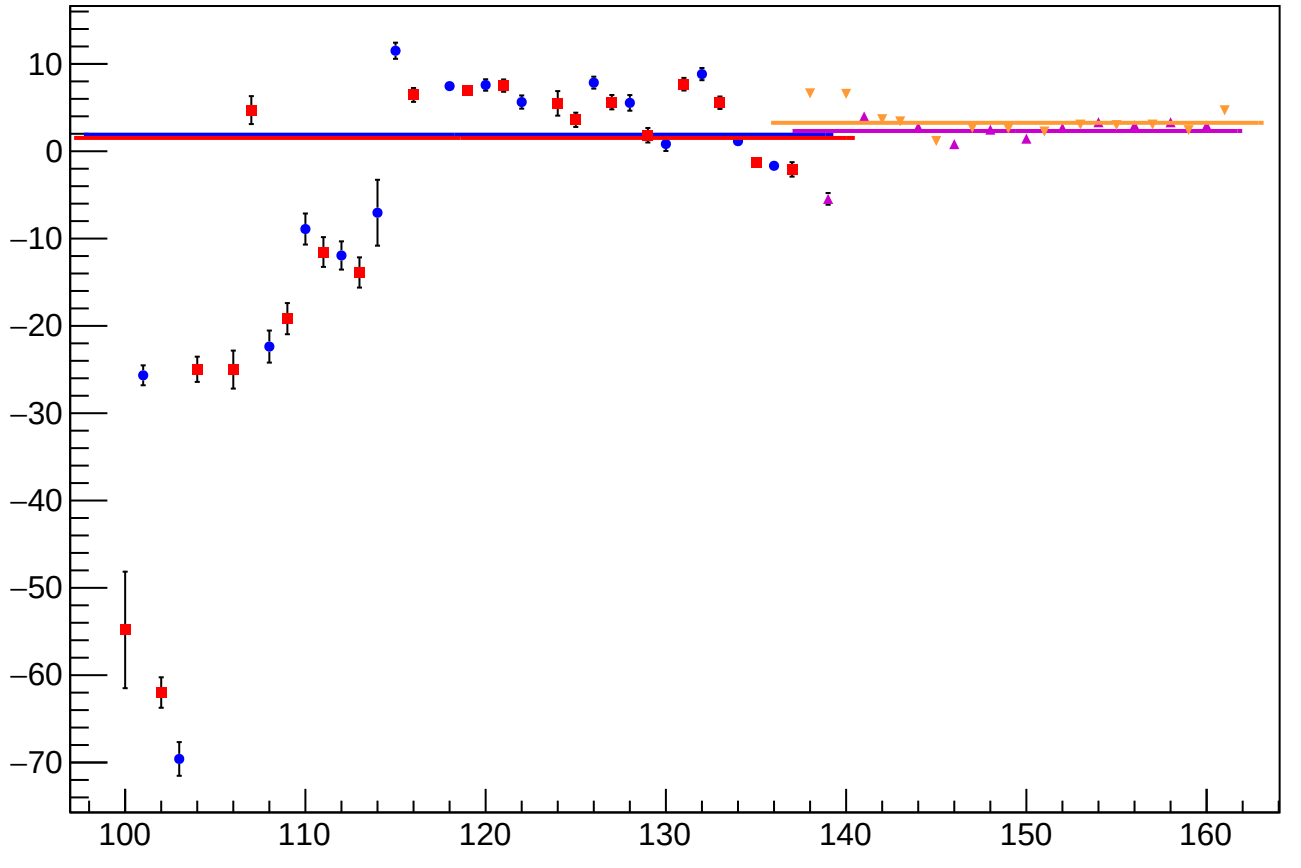
Left: -7.992+/-0.067 χ^2/NDF: 2135.6/23

Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.403+/-0.086 χ^2/NDF:1126.5/26

Out: -7.953+/-0.085 χ^2/NDF:2334.7/31

All: -7.193+/-0.061 χ^2/NDF: 3625.1/58



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.258+/-0.065 χ^2/NDF:568.6/12

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.321+/-0.065 χ^2/NDF:379.9/10

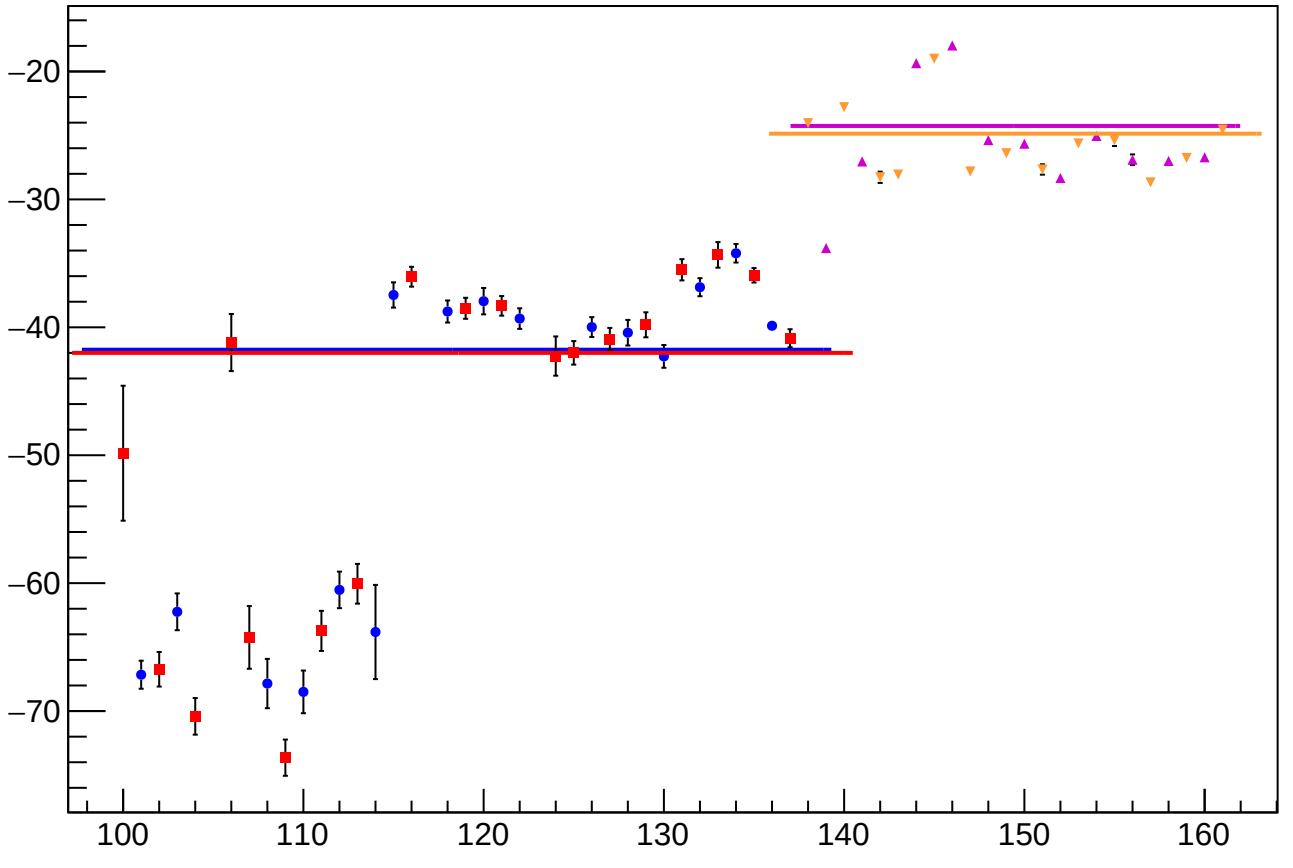
Left: 2.792+/-0.046 χ^2/NDF: 1053.0/23

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.277+/-0.061 χ^2/NDF:3222.6/26

Out: 3.106+/-0.062 χ^2/NDF:3191.5/31

All: 2.689+/-0.044 χ^2/NDF: 6504.7/58



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.862+/-0.092 χ^2/NDF:1210.9/12

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.257+/-0.094 χ^2/NDF:2259.8/10

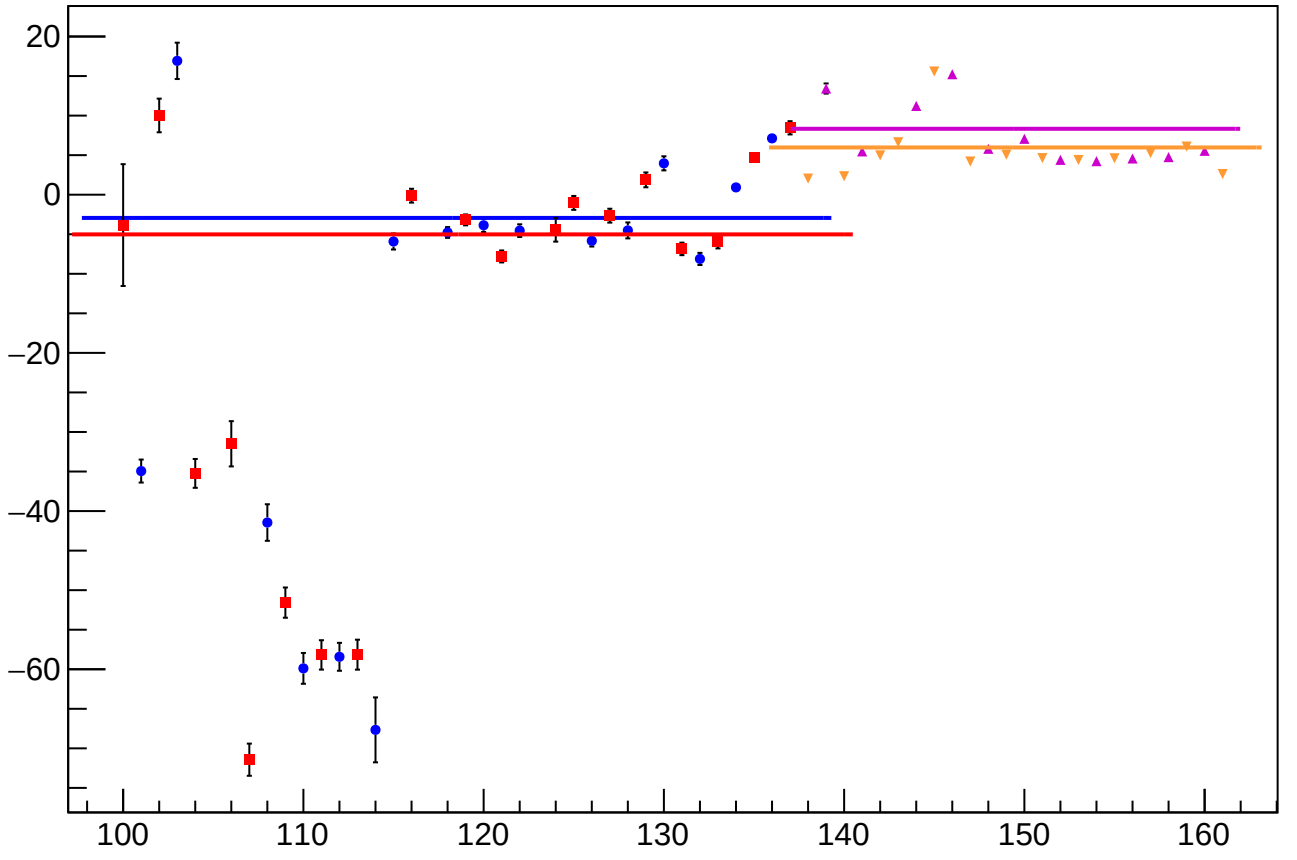
Left: -24.567+/-0.066 χ^2/NDF: 3491.9/23

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.247+/-0.086 χ^2/NDF:9779.6/26

Out: -27.253+/-0.085 χ^2/NDF:8045.9/31

All: -27.250+/-0.060 χ^2/NDF: 17825.5/58



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.973+/-0.076 χ^2/NDF:2906.8/12

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.333+/-0.077 χ^2/NDF:2889.3/10

Left: 7.136+/-0.054 χ^2/NDF: 6269.7/23

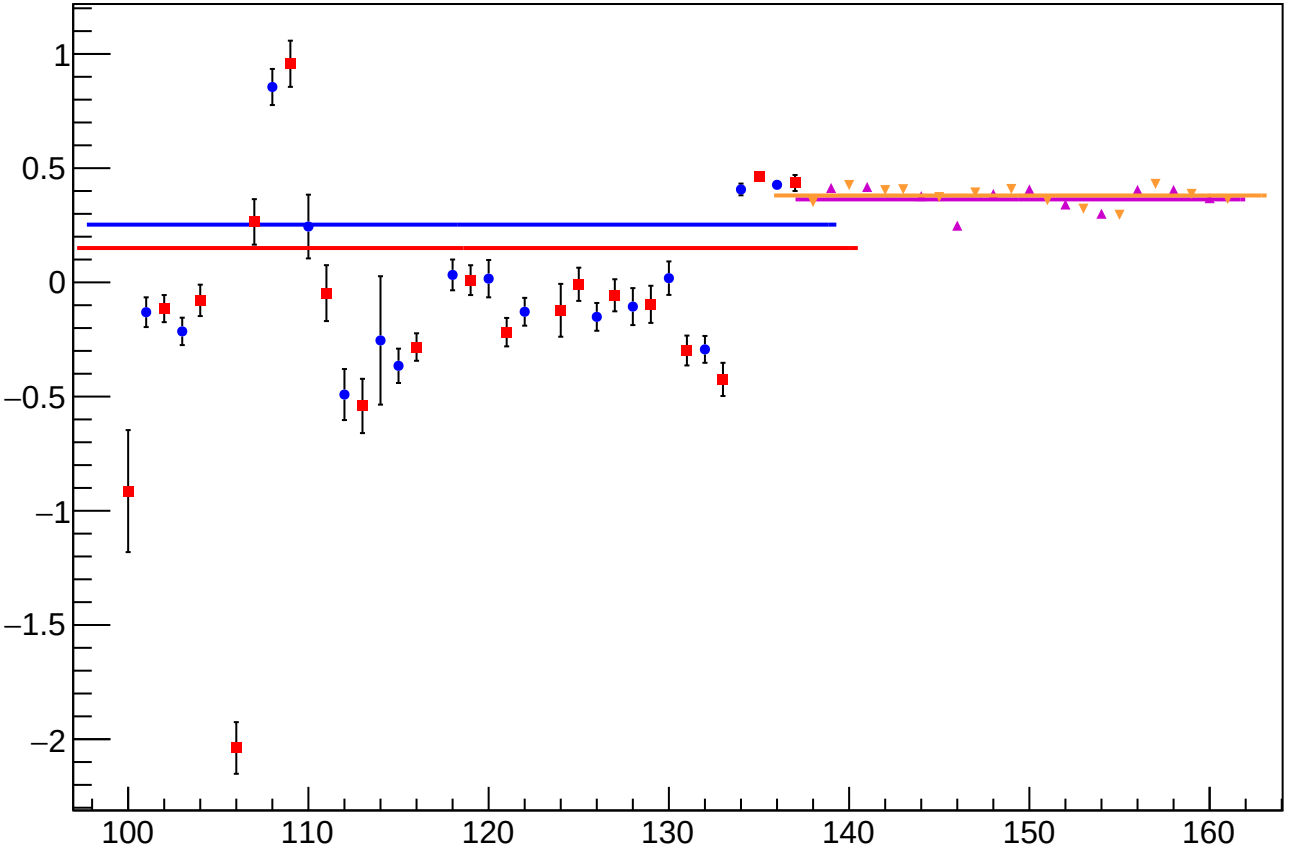
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.987+/-0.072 χ^2/NDF:9158.9/26

Out: 4.902+/-0.072 χ^2/NDF:9313.3/31

All: 5.943+/-0.051 χ^2/NDF: 18886.5/58

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.380+/-0.004 χ^2/NDF:101.9/12

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.363+/-0.004 χ^2/NDF:239.5/10

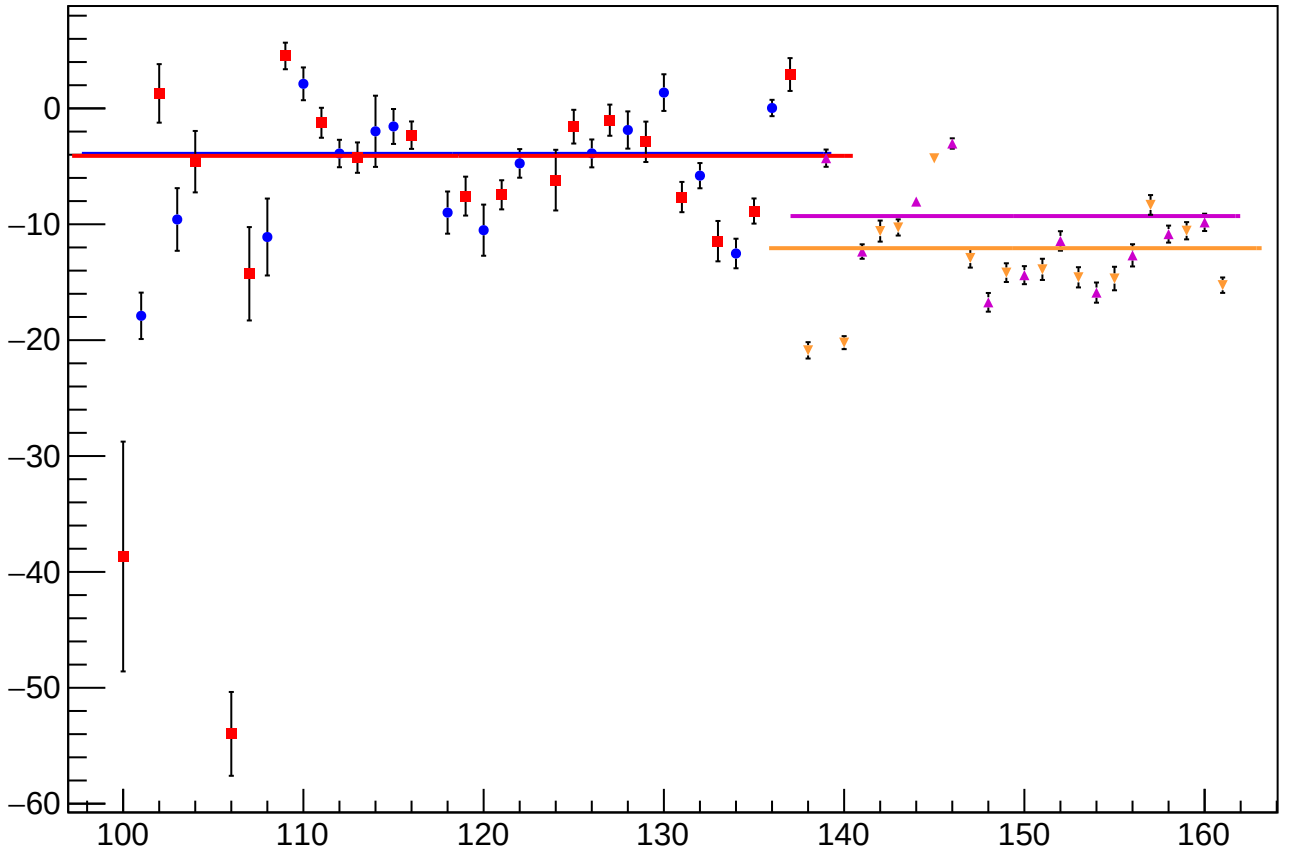
Left: 0.372+/-0.003 χ^2/NDF: 352.8/23

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.353+/-0.003 χ^2/NDF:954.5/26

Out: 0.365+/-0.003 χ^2/NDF:1397.3/31

All: 0.359+/-0.002 χ^2/NDF: 2358.1/58



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.063+/-0.193 χ^2/NDF:837.2/12

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -9.292+/-0.198 χ^2/NDF:483.0/10

Left: -10.714+/-0.138 χ^2/NDF: 1420.4/23

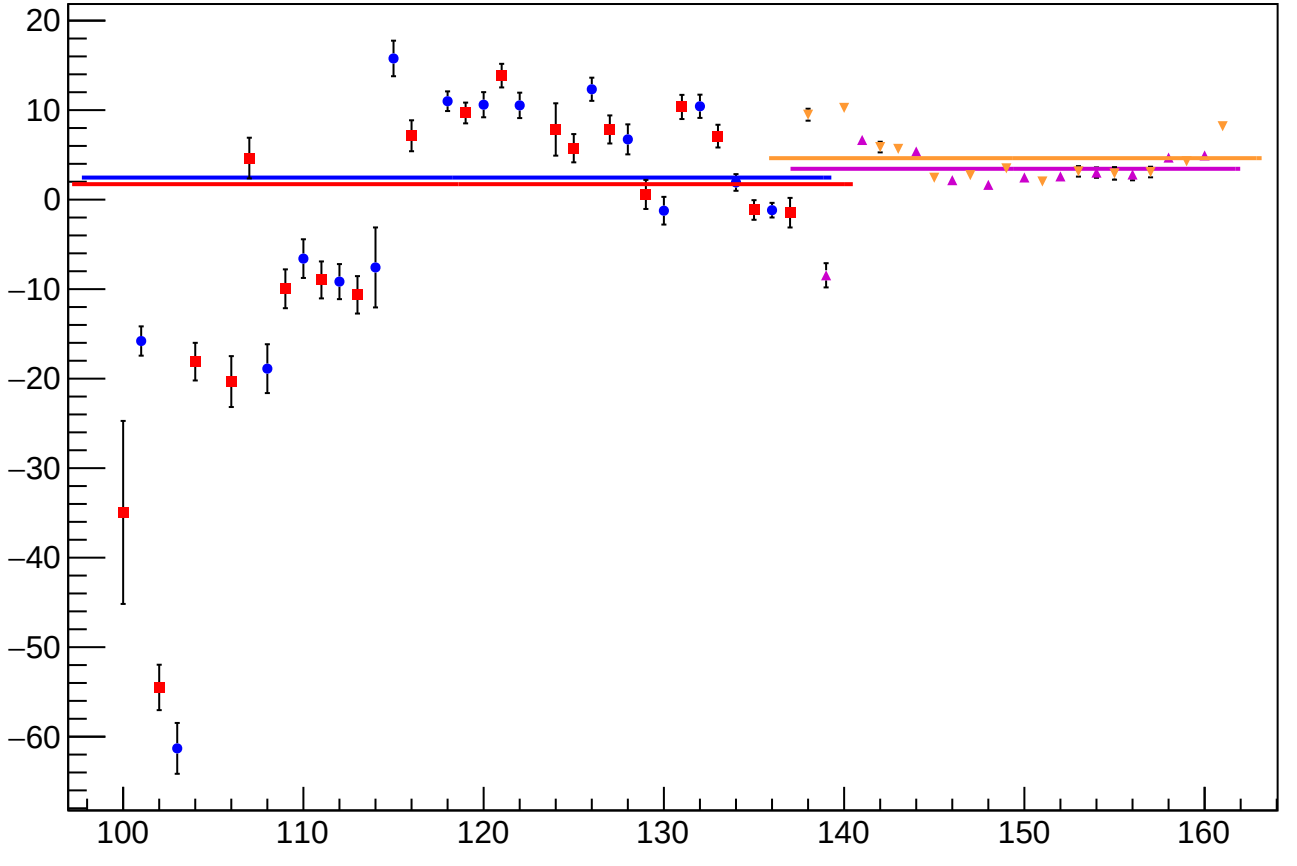
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.964+/-0.172 χ^2/NDF:853.0/26

Out: -10.258+/-0.170 χ^2/NDF:1589.6/31

All: -9.126+/-0.121 χ^2/NDF: 2532.5/58

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.632+/-0.135 χ^2/NDF:397.5/12

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.445+/-0.132 χ^2/NDF:233.0/10

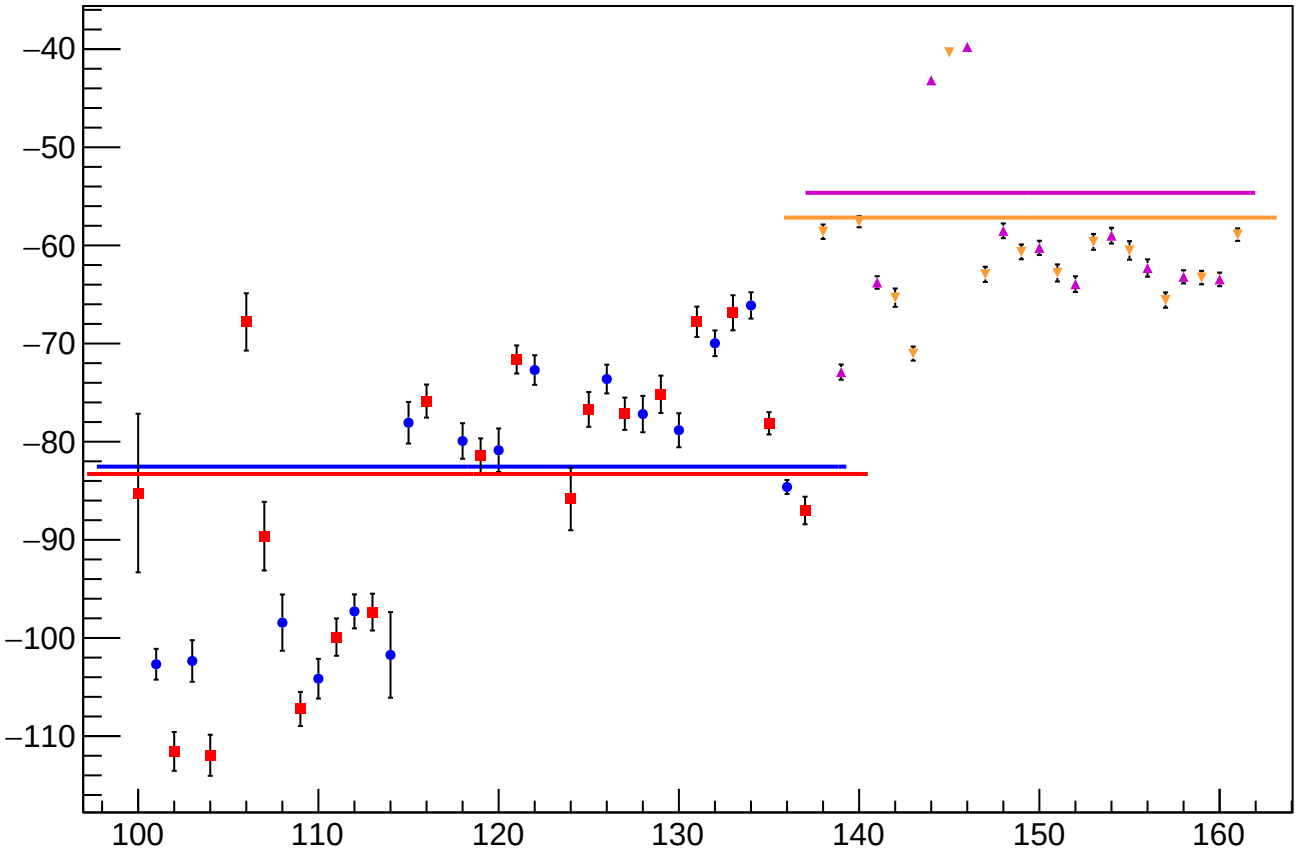
Left: 4.028+/-0.094 χ^2/NDF: 670.0/23

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.326+/-0.124 χ^2/NDF:1286.3/26

Out: 4.317+/-0.127 χ^2/NDF:1431.0/31

All: 3.810+/-0.089 χ^2/NDF: 2748.4/58



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.166+/-0.190 χ^2/NDF:2512.6/12

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -54.641+/-0.193 χ^2/NDF:3262.0/10

Left: -55.921+/-0.136 χ^2/NDF: 5861.3/23

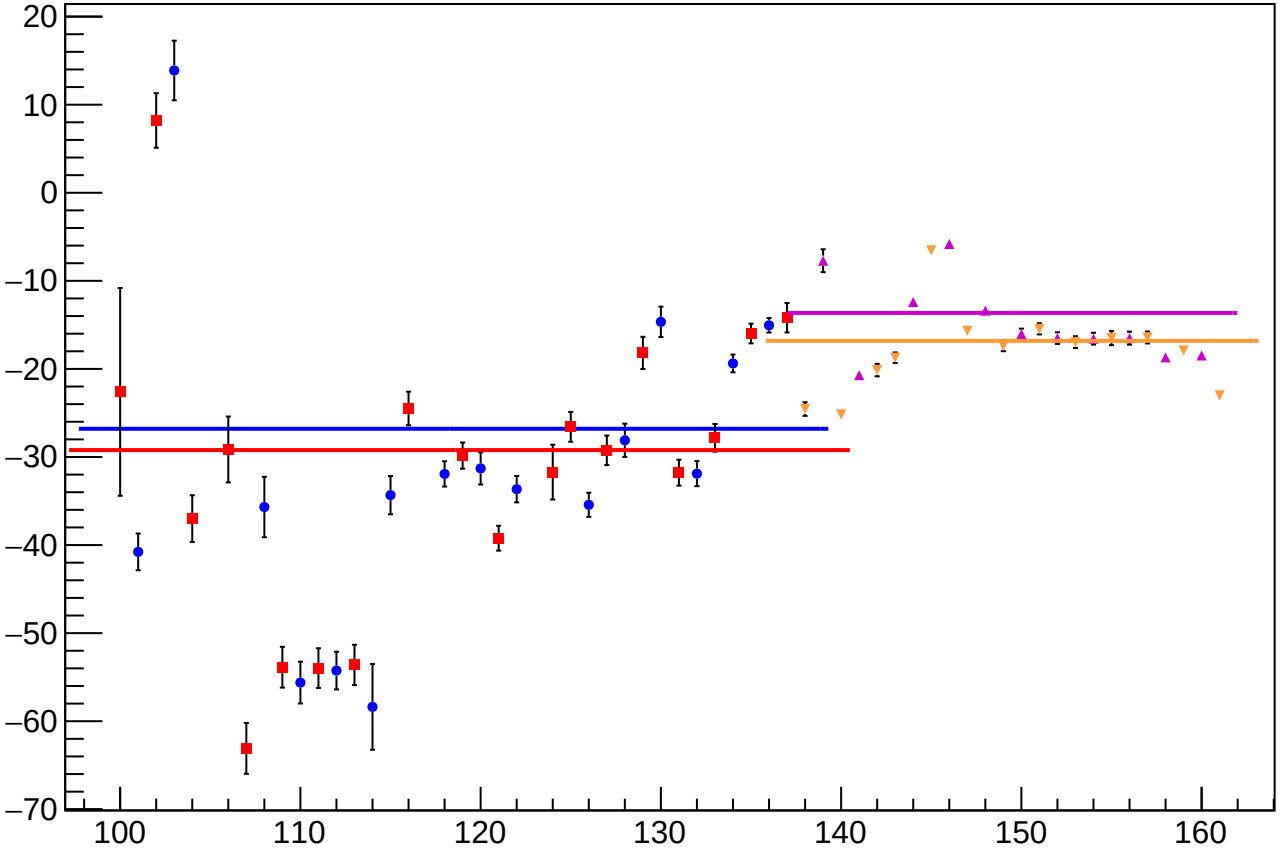
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -60.262+/-0.172 χ^2/NDF:8309.6/26

Out: -61.720+/-0.173 χ^2/NDF:6888.8/31

All: -60.989+/-0.122 χ^2/NDF: 15234.0/58

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.815+/-0.158 χ^2/NDF:1324.8/12

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -13.643+/-0.158 χ^2/NDF:1002.0/10

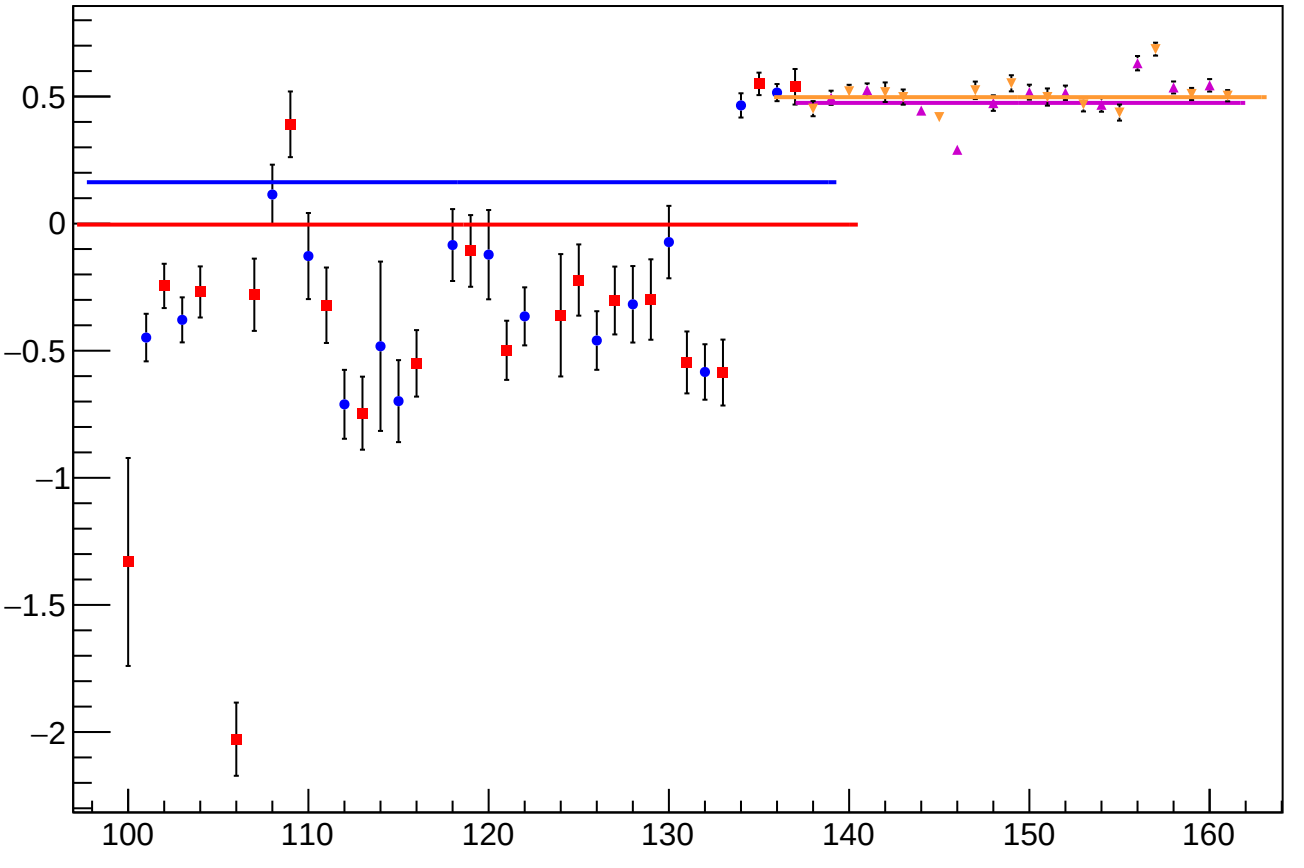
Left: -15.224+/-0.112 χ^2/NDF: 2527.9/23

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.451+/-0.147 χ^2/NDF:2919.0/26

Out: -18.291+/-0.149 χ^2/NDF:3014.5/31

All: -16.852+/-0.104 χ^2/NDF: 6118.2/58



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.007 χ^2/NDF:90.6/12

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.475+/-0.008 χ^2/NDF:152.9/10

Left: 0.486+/-0.005 χ^2/NDF: 248.1/23

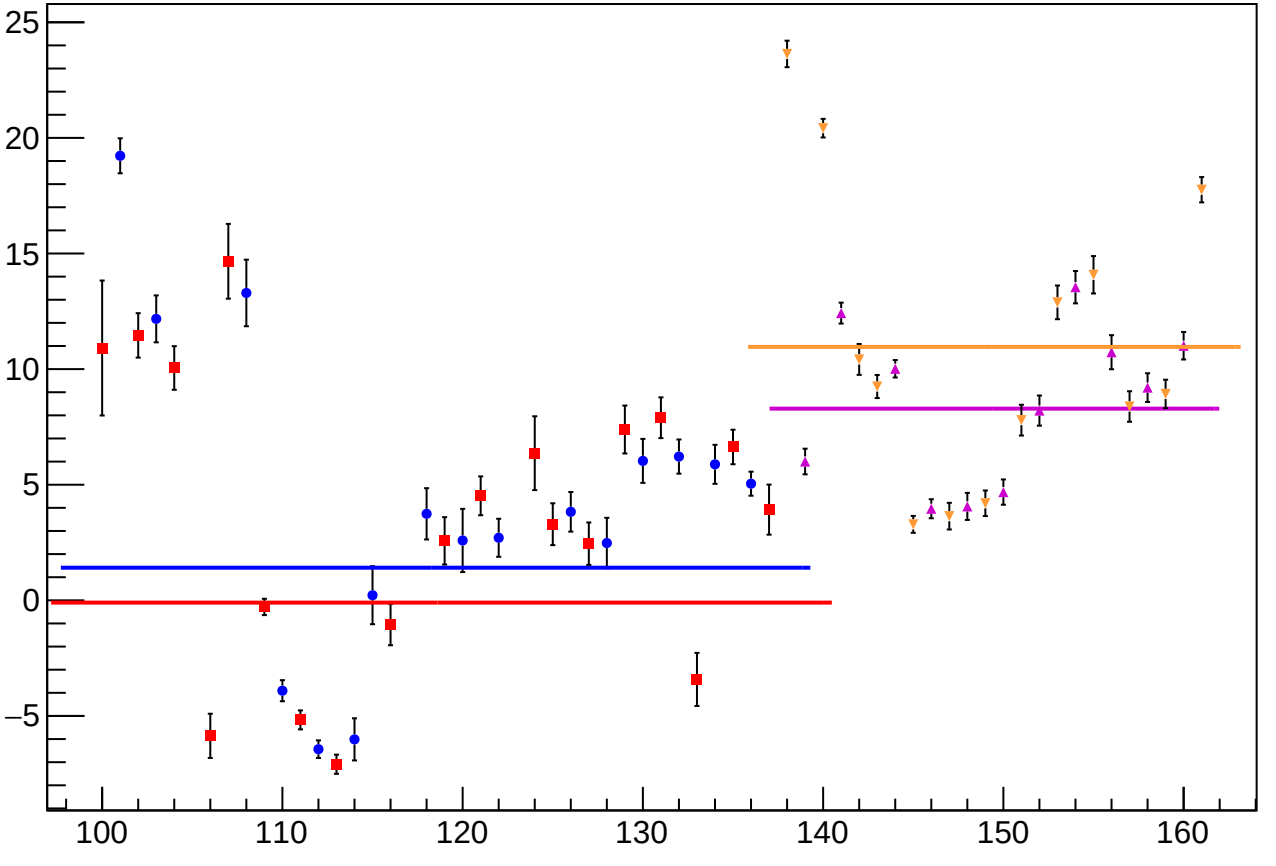
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.441+/-0.007 χ^2/NDF:764.7/26

Out: 0.456+/-0.007 χ^2/NDF:1050.9/31

All: 0.448+/-0.005 χ^2/NDF: 1817.9/58

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.960+/-0.152 χ^2/NDF:2028.5/12

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.291+/-0.160 χ^2/NDF:418.4/10

Left: 9.693+/-0.110 χ^2/NDF: 2592.9/23

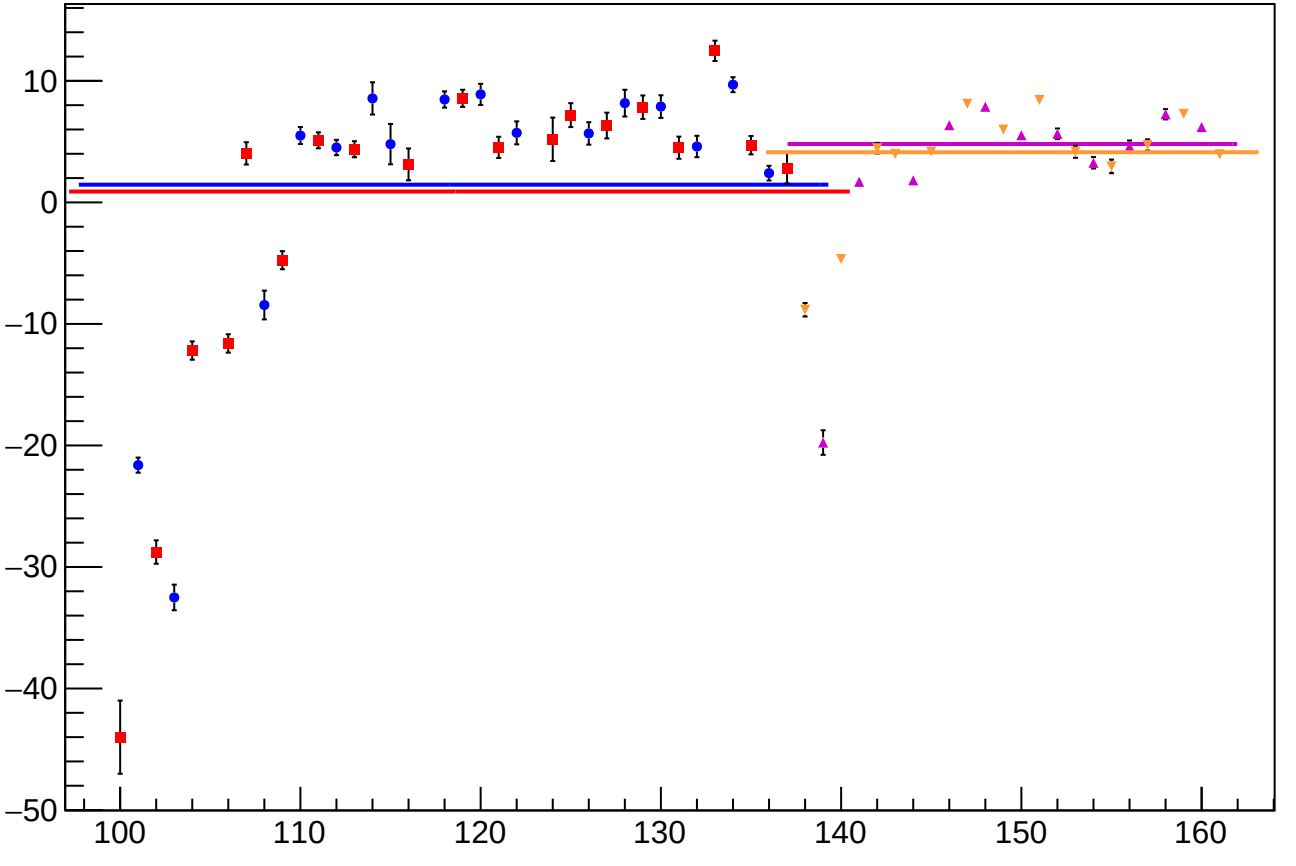
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 5.310+/-0.121 χ^2/NDF:2740.4/26

Out: 5.955+/-0.113 χ^2/NDF:5564.6/31

All: 5.654+/-0.082 χ^2/NDF: 8320.3/58

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 4.128+/-0.105 χ^2/NDF:1704.4/12

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.806+/-0.107 χ^2/NDF:1023.6/10

Left: 4.458+/-0.075 χ^2/NDF: 2748.5/23

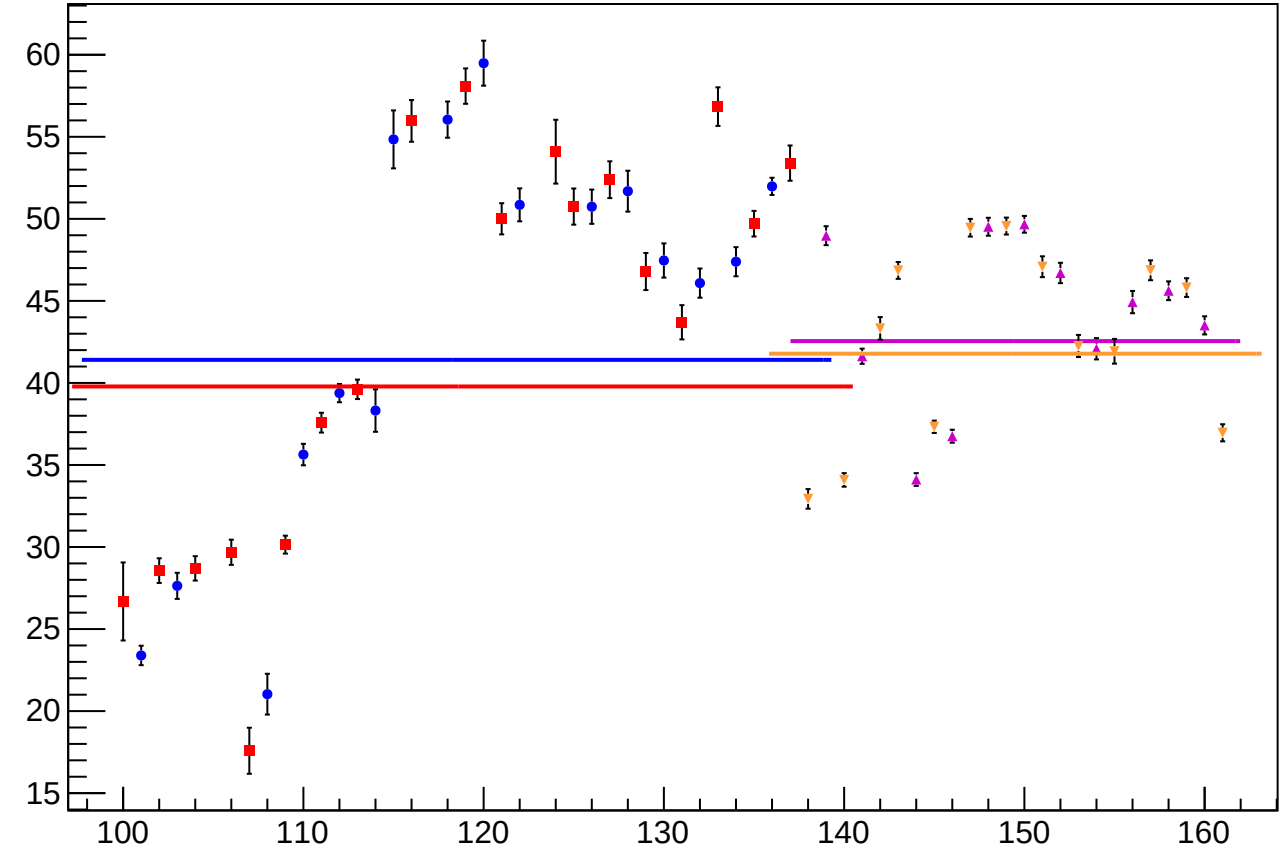
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 4.077+/-0.095 χ^2/NDF:4315.6/26

Out: 3.444+/-0.093 χ^2/NDF:4283.2/31

All: 3.754+/-0.066 χ^2/NDF: 8621.5/58

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: 41.783+/-0.150 χ^2/NDF:1512.7/12

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 42.549+/-0.156 χ^2/NDF:1259.0/10

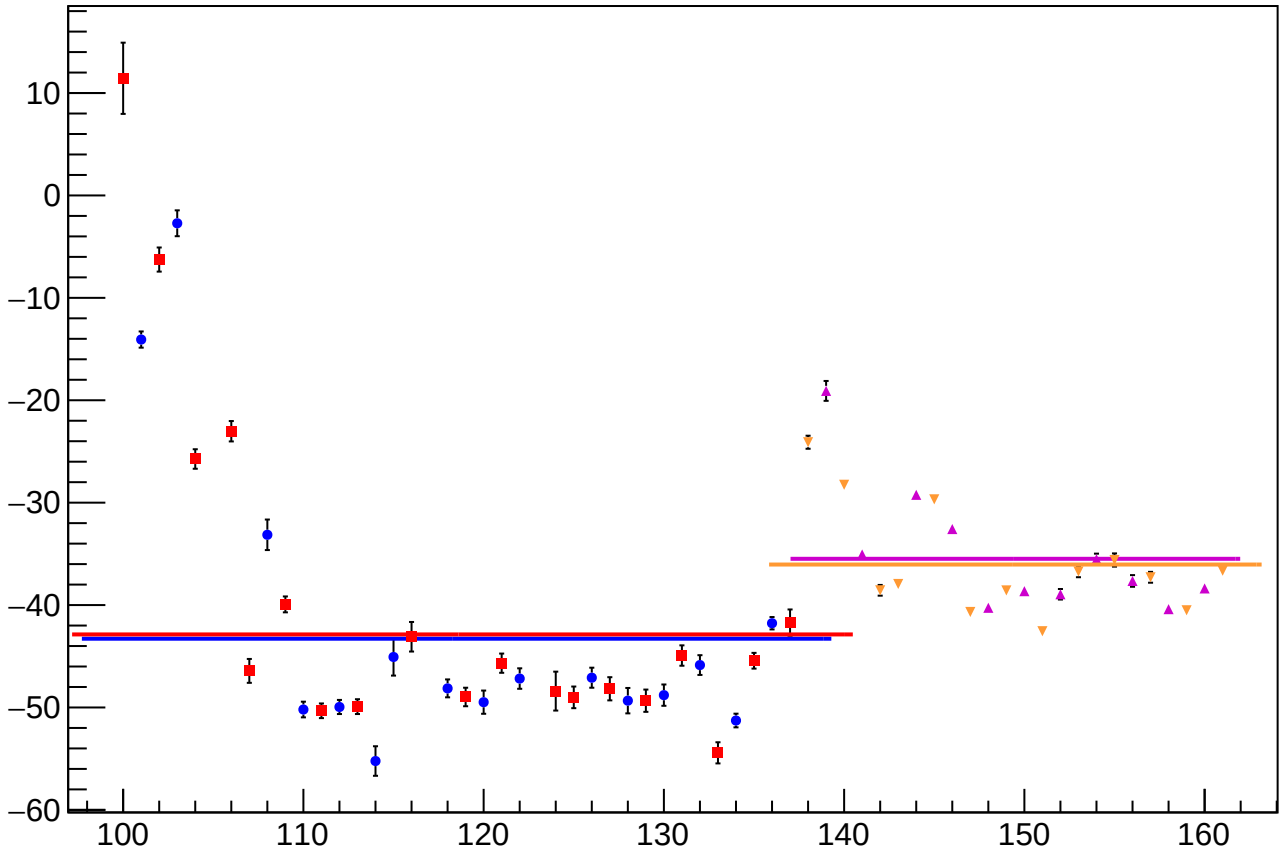
Left: 42.151+/-0.108 χ^2/NDF: 2784.3/23

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.146+/-0.125 χ^2/NDF:4024.1/26

Out: 41.079+/-0.120 χ^2/NDF:4229.4/31

All: 41.592+/-0.087 χ^2/NDF: 8291.1/58



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -36.042+/-0.124 χ^2/NDF:1620.1/12

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.482+/-0.128 χ^2/NDF:1184.2/10

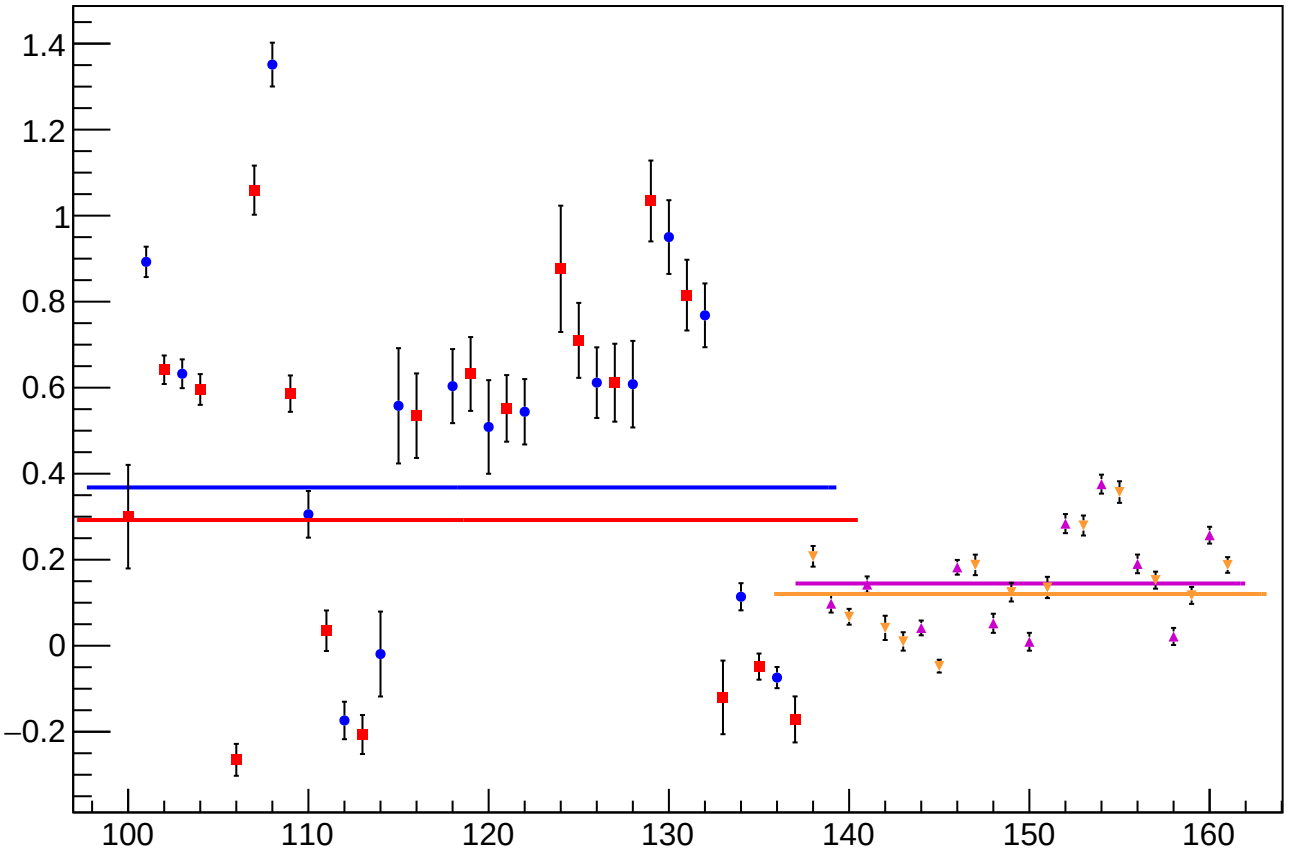
Left: -35.771+/-0.089 χ^2/NDF: 2814.2/23

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

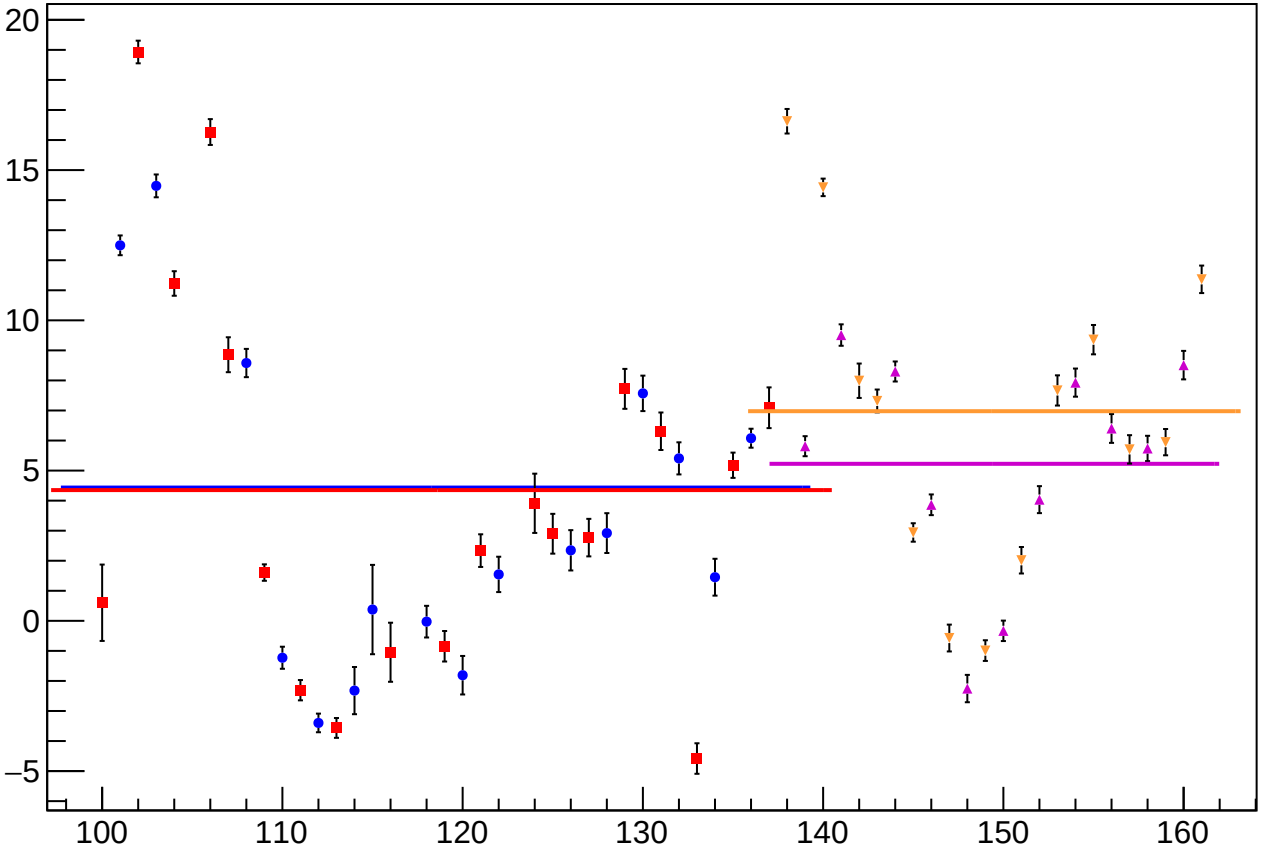
In: -37.335+/-0.112 χ^2/NDF:5052.3/26

Out: -37.591+/-0.109 χ^2/NDF:4760.9/31

All: -37.466+/-0.078 χ^2/NDF: 9815.8/58


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.120+/-0.006 χ²/NDF:343.6/12
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.145+/-0.006 χ²/NDF:330.9/10
Left: 0.132+/-0.004 χ²/NDF: 683.0/23
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.188+/-0.005 χ²/NDF:1921.2/26
Out: 0.152+/-0.005 χ²/NDF:1707.0/31
All: 0.170+/-0.004 χ²/NDF: 3651.2/58

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.976+/-0.112 χ^2/NDF:2465.7/12

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.225+/-0.118 χ^2/NDF:880.7/10

Left: 6.146+/-0.081 χ^2/NDF: 3462.0/23

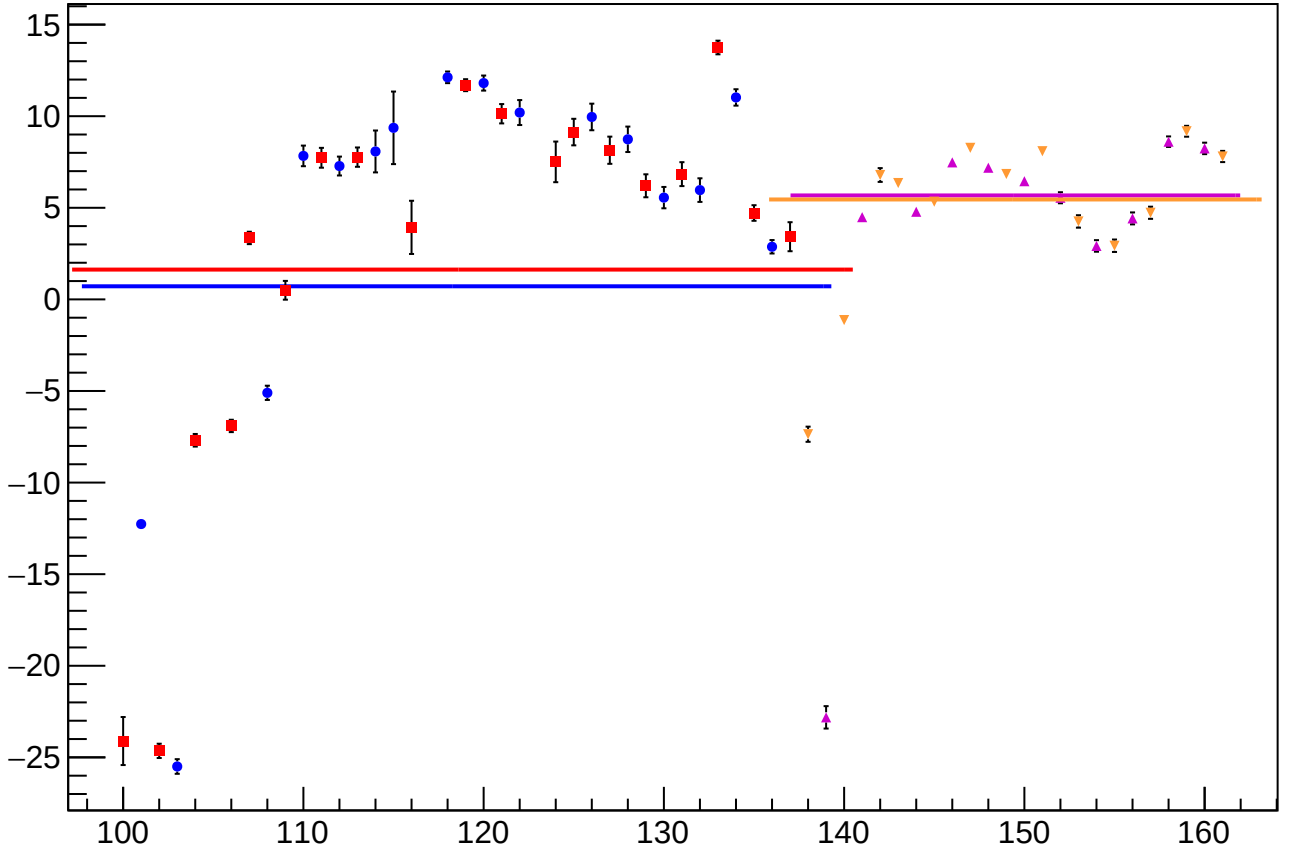
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.826+/-0.083 χ^2/NDF:3525.3/26

Out: 5.628+/-0.078 χ^2/NDF:6952.7/31

All: 5.251+/-0.057 χ^2/NDF: 10527.4/58

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.454+/-0.077 χ^2/NDF:2332.3/12

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.674+/-0.082 χ^2/NDF:2597.2/10

Left: 5.558+/-0.056 χ^2/NDF: 4933.3/23

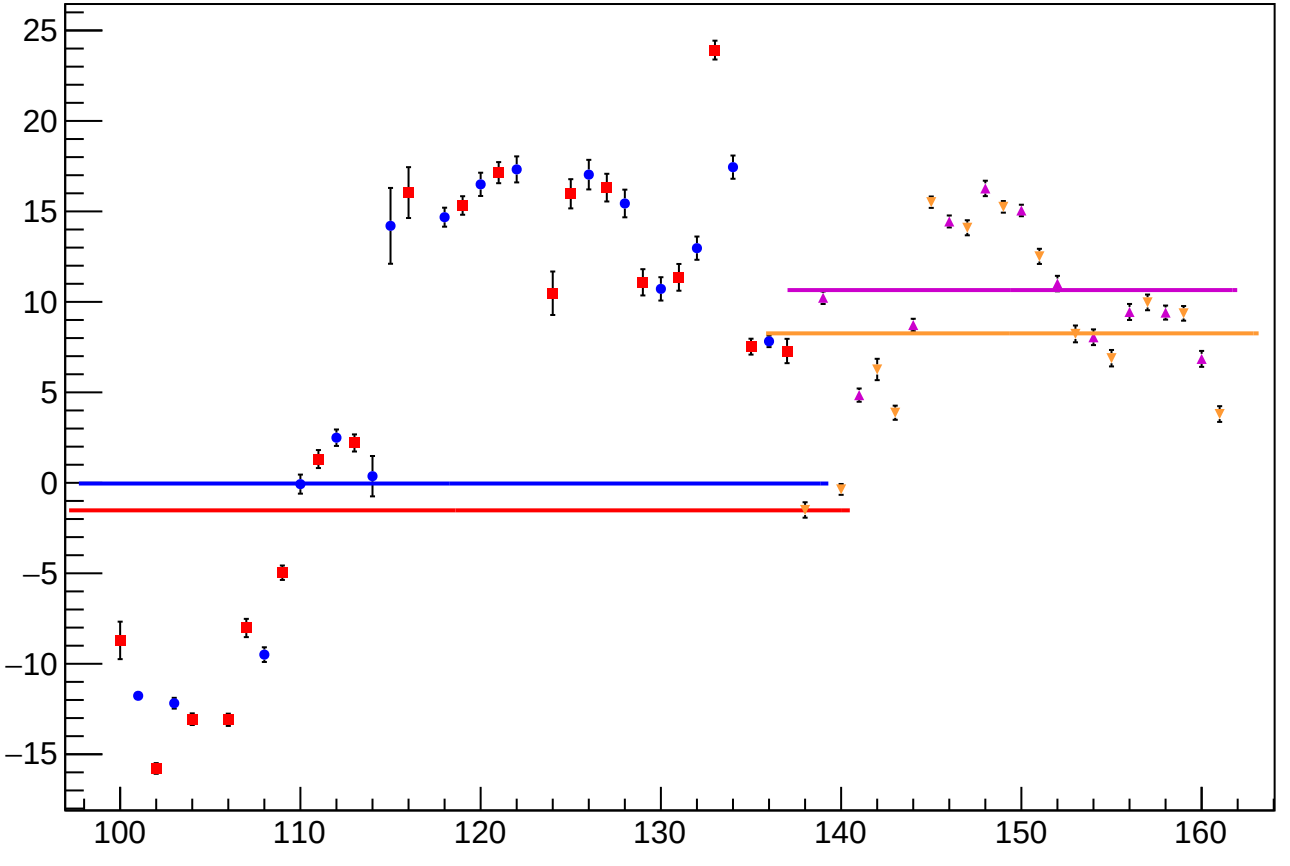
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 4.020+/-0.067 χ^2/NDF:14271.1/26

Out: 4.200+/-0.064 χ^2/NDF:12386.7/31

All: 4.115+/-0.046 χ^2/NDF: 26661.6/58

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.260+/-0.110 χ^2/NDF:2926.1/12

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.652+/-0.114 χ^2/NDF:909.9/10

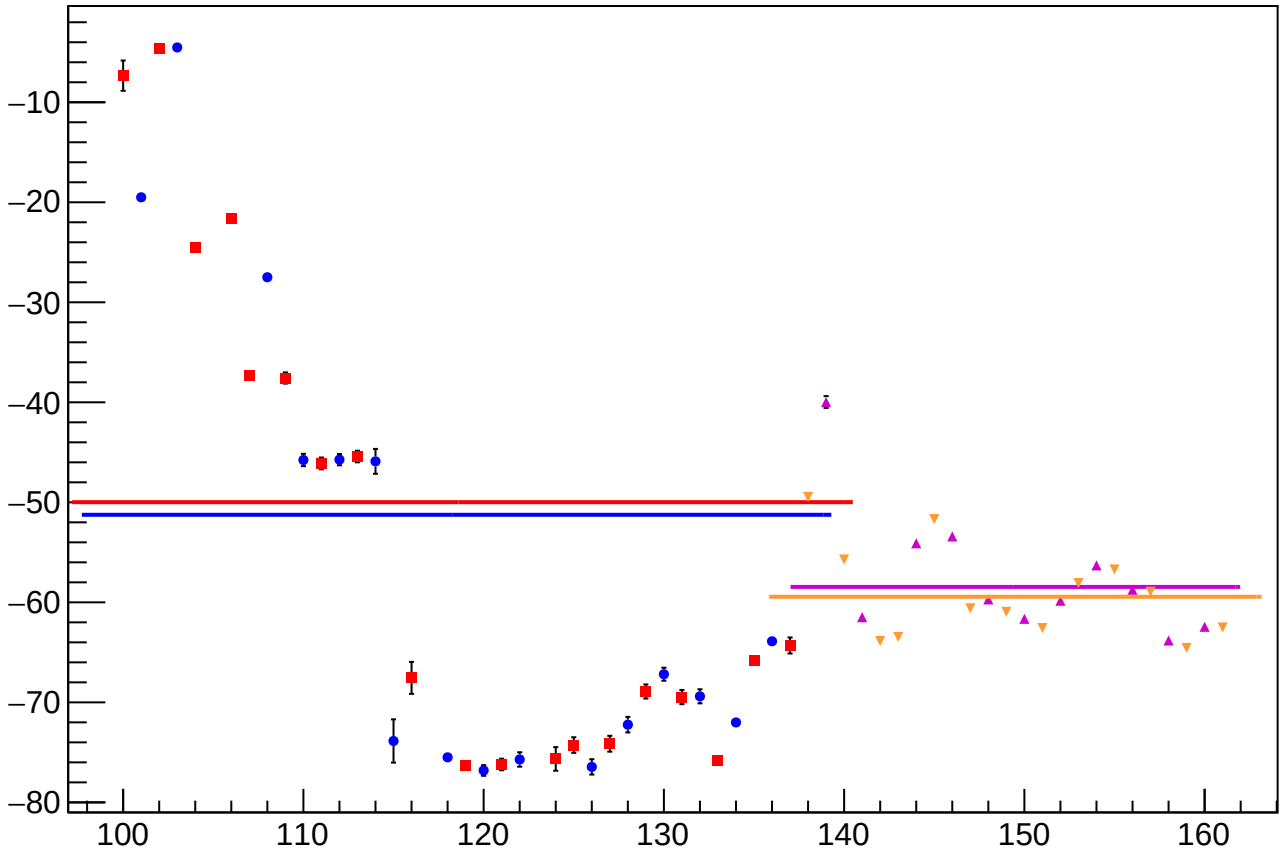
Left: 9.404+/-0.079 χ^2/NDF: 4064.2/23

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.535+/-0.083 χ^2/NDF:14365.9/26

Out: 3.612+/-0.079 χ^2/NDF:18847.3/31

All: 4.535+/-0.057 χ^2/NDF: 33495.1/58



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.441+/-0.092 χ^2/NDF:2140.1/12

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.457+/-0.096 χ^2/NDF:2355.7/10

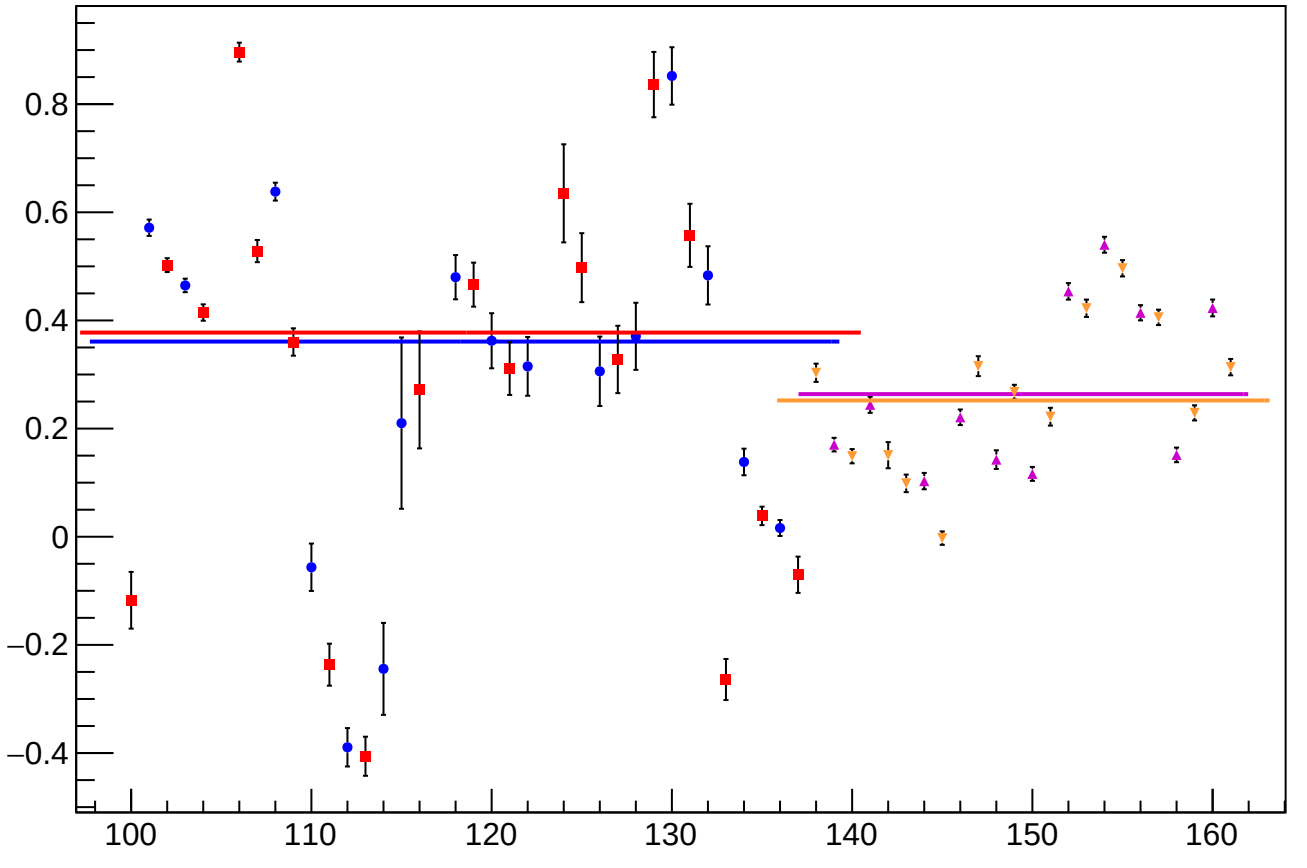
Left: -58.974+/-0.066 χ^2/NDF: 4550.5/23

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.040+/-0.079 χ^2/NDF:37996.7/26

Out: -56.324+/-0.075 χ^2/NDF:39544.7/31

All: -56.189+/-0.054 χ^2/NDF: 77548.2/58



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.252+/-0.004 χ^2/NDF:1120.8/12

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.264+/-0.004 χ^2/NDF:1152.7/10

Left: 0.258+/-0.003 χ^2/NDF: 2277.2/23

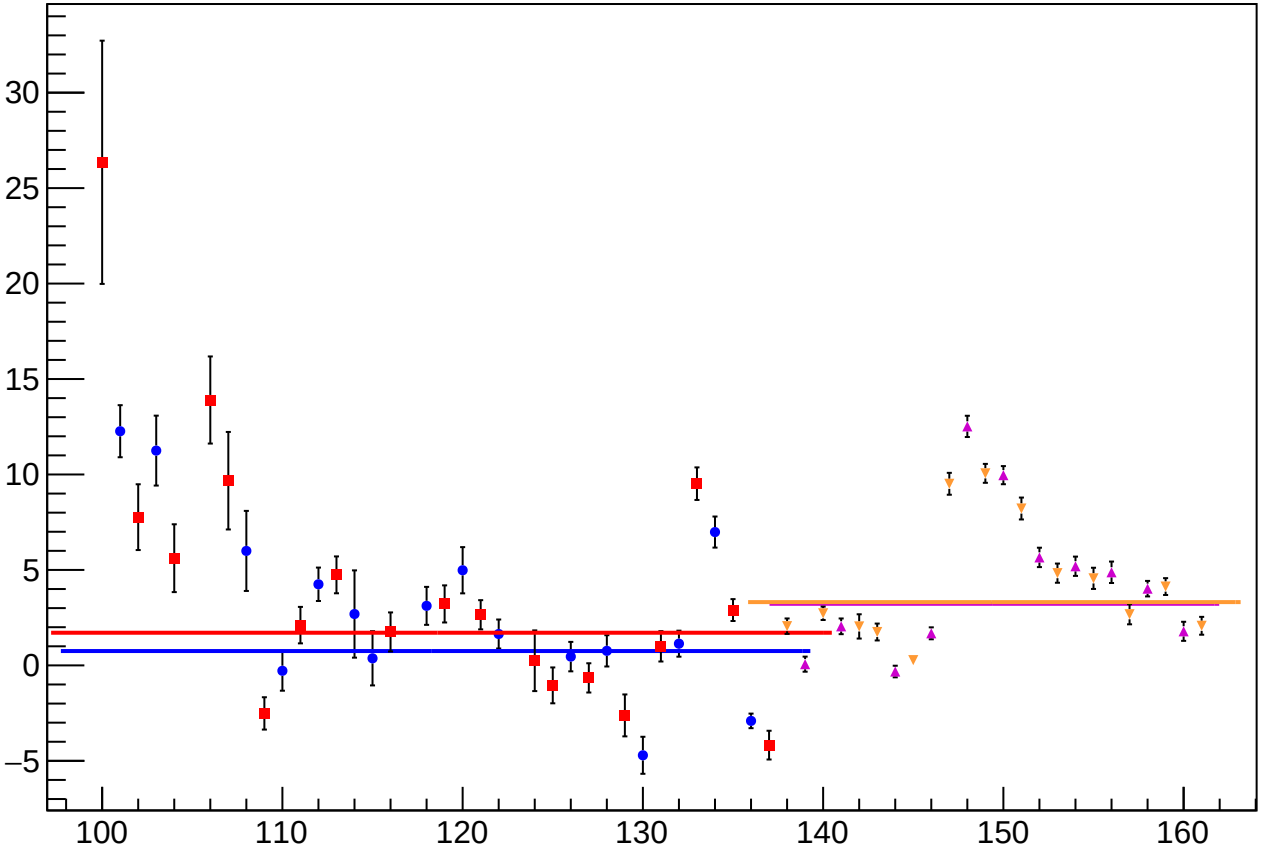
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.295+/-0.004 χ^2/NDF:3171.6/26

Out: 0.293+/-0.003 χ^2/NDF:4196.7/31

All: 0.294+/-0.002 χ^2/NDF: 7368.5/58

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: 3.315+/-0.122 χ^2/NDF:563.4/12

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 3.226+/-0.127 χ^2/NDF:771.7/10

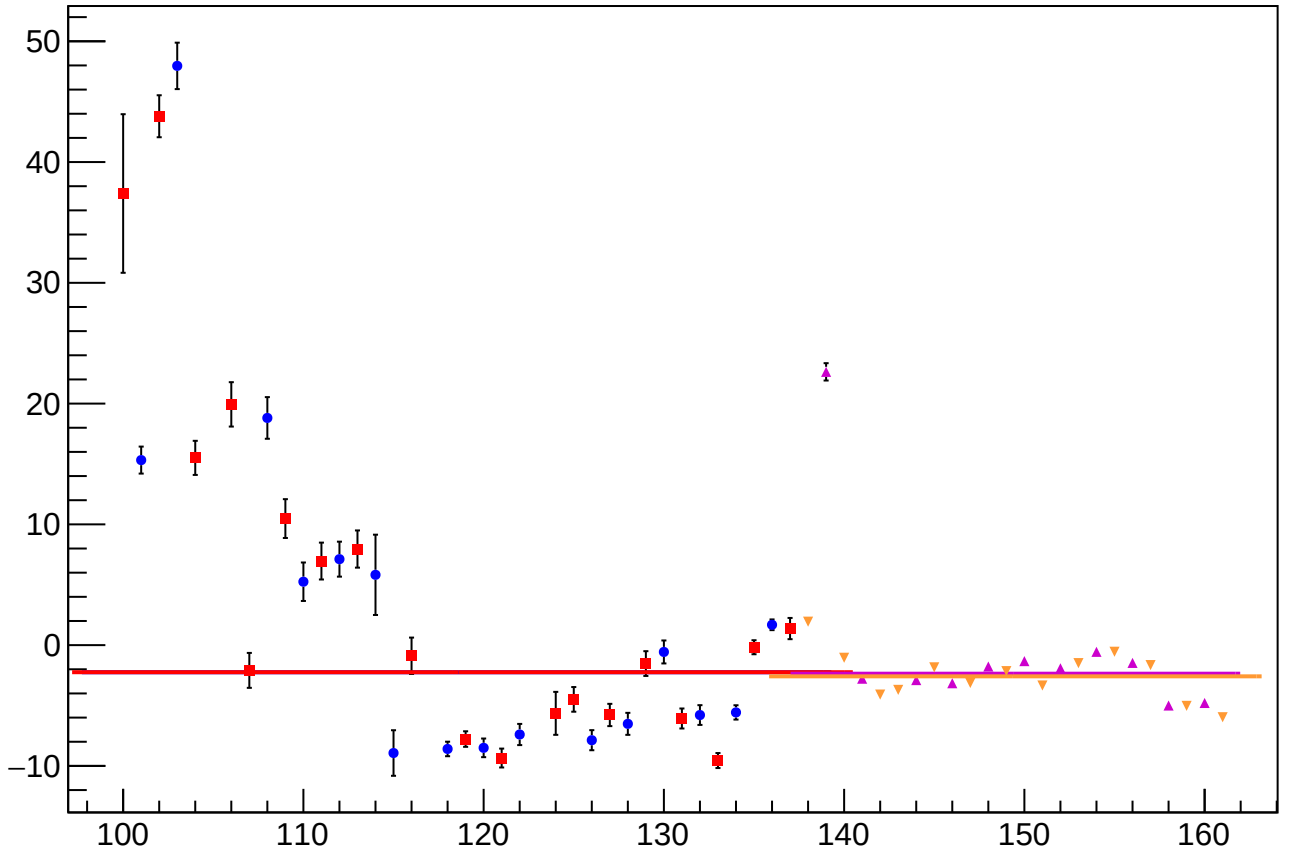
Left: 3.272+/-0.088 χ^2/NDF: 1335.4/23

Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.575+/-0.109 χ^2/NDF:1201.8/26

Out: 2.944+/-0.107 χ^2/NDF:897.2/31

All: 2.762+/-0.076 χ^2/NDF: 2104.7/58



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.583+/-0.086 χ^2/NDF:437.9/12

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.365+/-0.088 χ^2/NDF:1432.9/10

Left: -2.476+/-0.061 χ^2/NDF: 1873.9/23

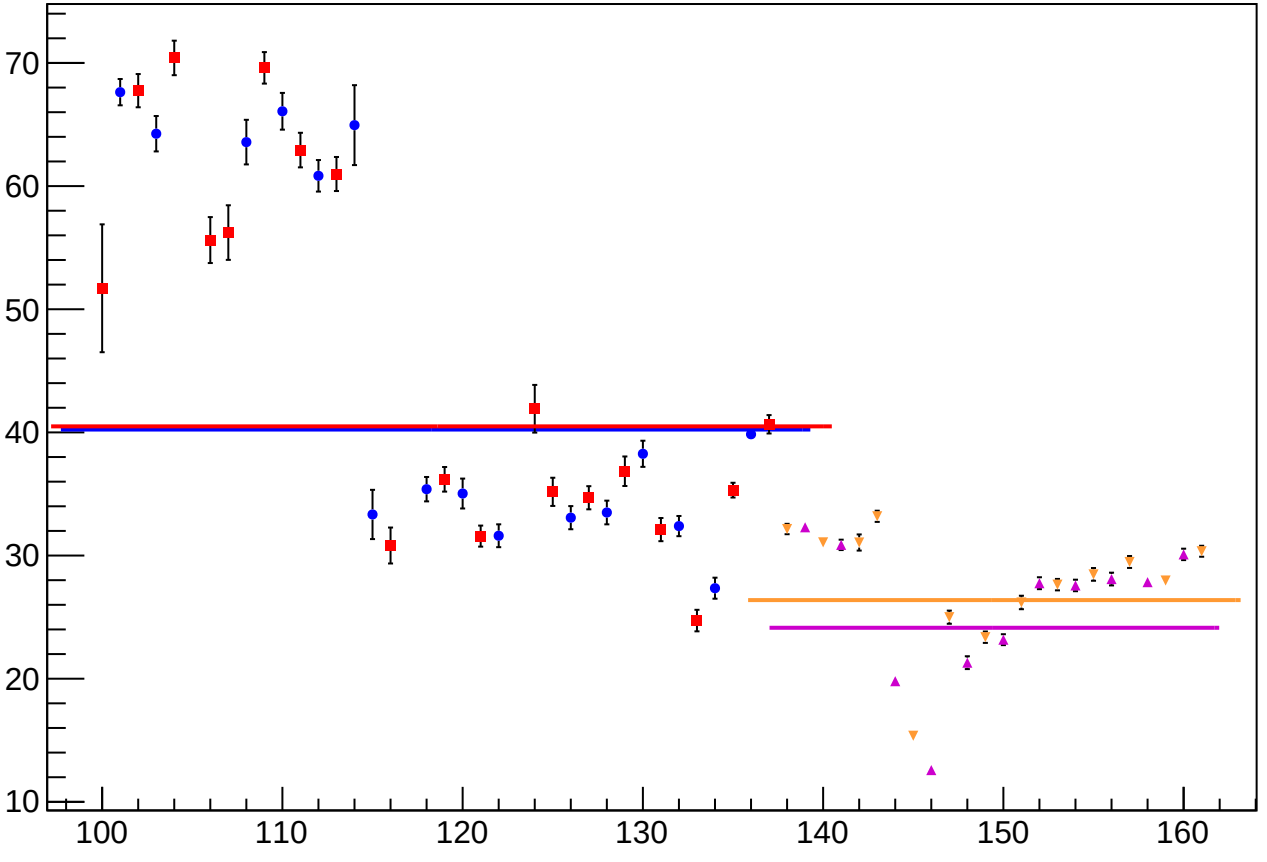
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.348+/-0.081 χ^2/NDF:3005.6/26

Out: -2.541+/-0.081 χ^2/NDF:1995.5/31

All: -2.445+/-0.057 χ^2/NDF: 5003.9/58

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 26.383+/-0.120 χ^2/NDF:2482.8/12

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 24.136+/-0.123 χ^2/NDF:2770.6/10

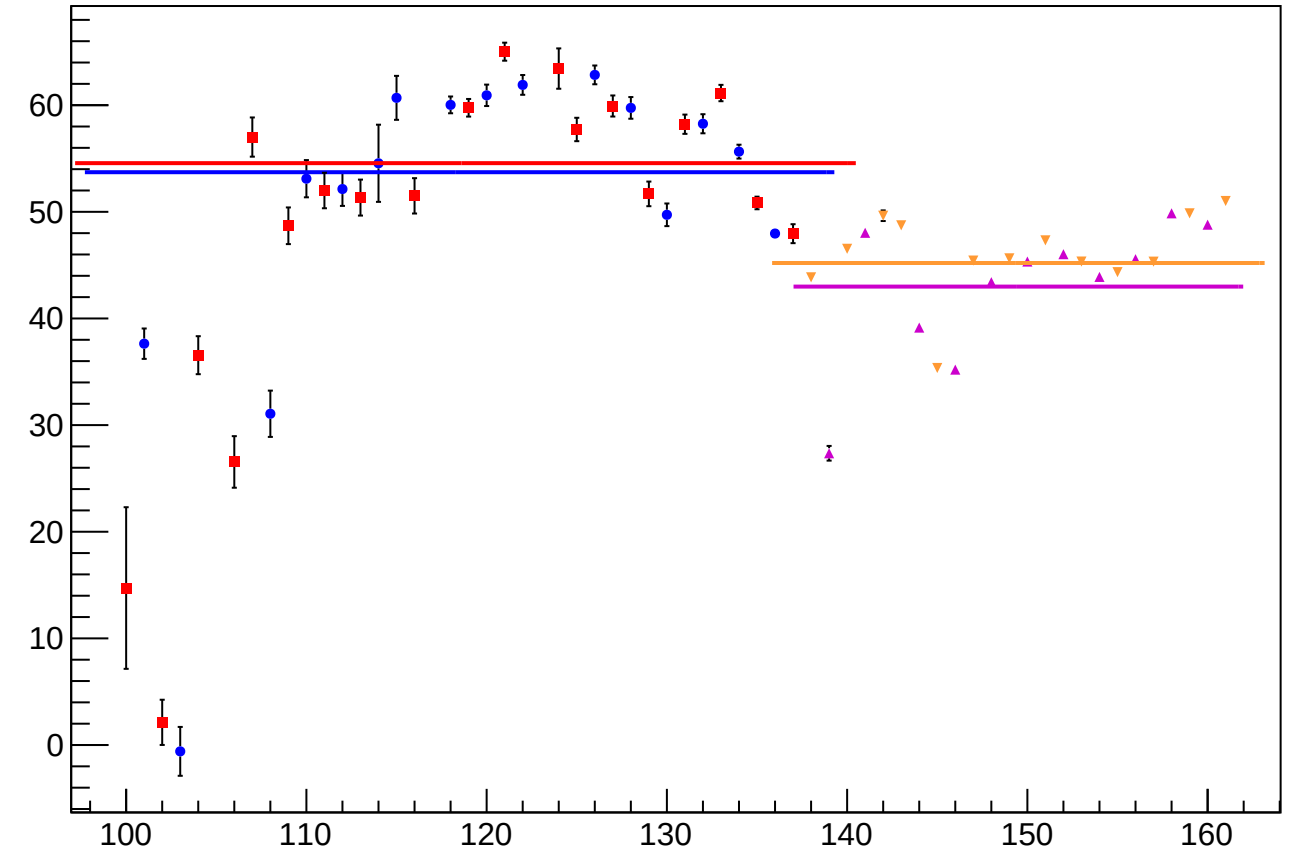
Left: 25.288+/-0.086 χ^2/NDF: 5423.7/23

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.696+/-0.109 χ^2/NDF:8829.1/26

Out: 29.024+/-0.108 χ^2/NDF:7759.9/31

All: 28.363+/-0.077 χ^2/NDF: 16663.8/58



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.201+/-0.101 χ^2/NDF:2345.7/12

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.989+/-0.103 χ^2/NDF:2961.0/10

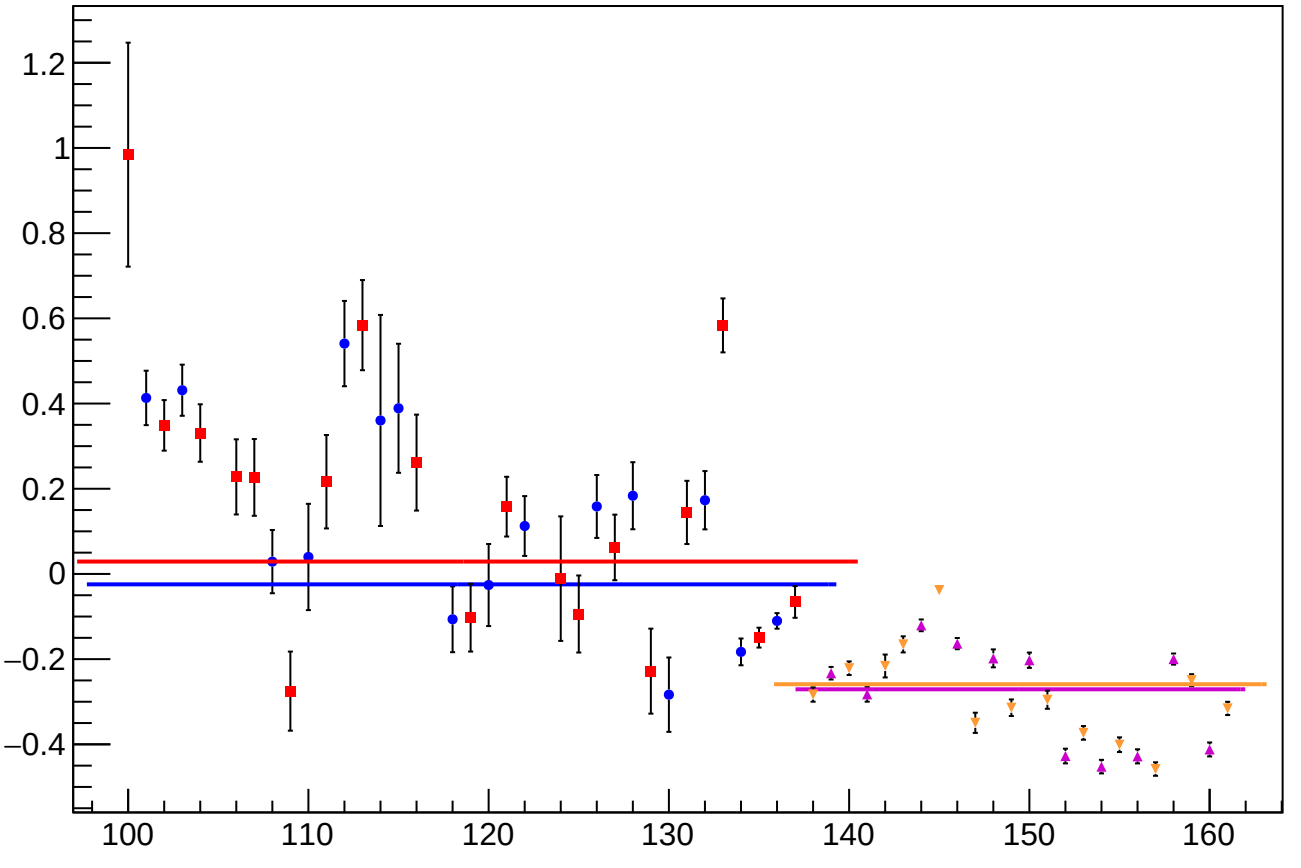
Left: 44.115+/-0.072 χ^2/NDF: 5542.3/23

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 44.665+/-0.094 χ^2/NDF:6023.0/26

Out: 46.461+/-0.094 χ^2/NDF:4845.0/31

All: 45.568+/-0.067 χ^2/NDF: 11049.7/58



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.259+/-0.005 χ^2/NDF:770.5/12

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.271+/-0.005 χ^2/NDF:625.2/10

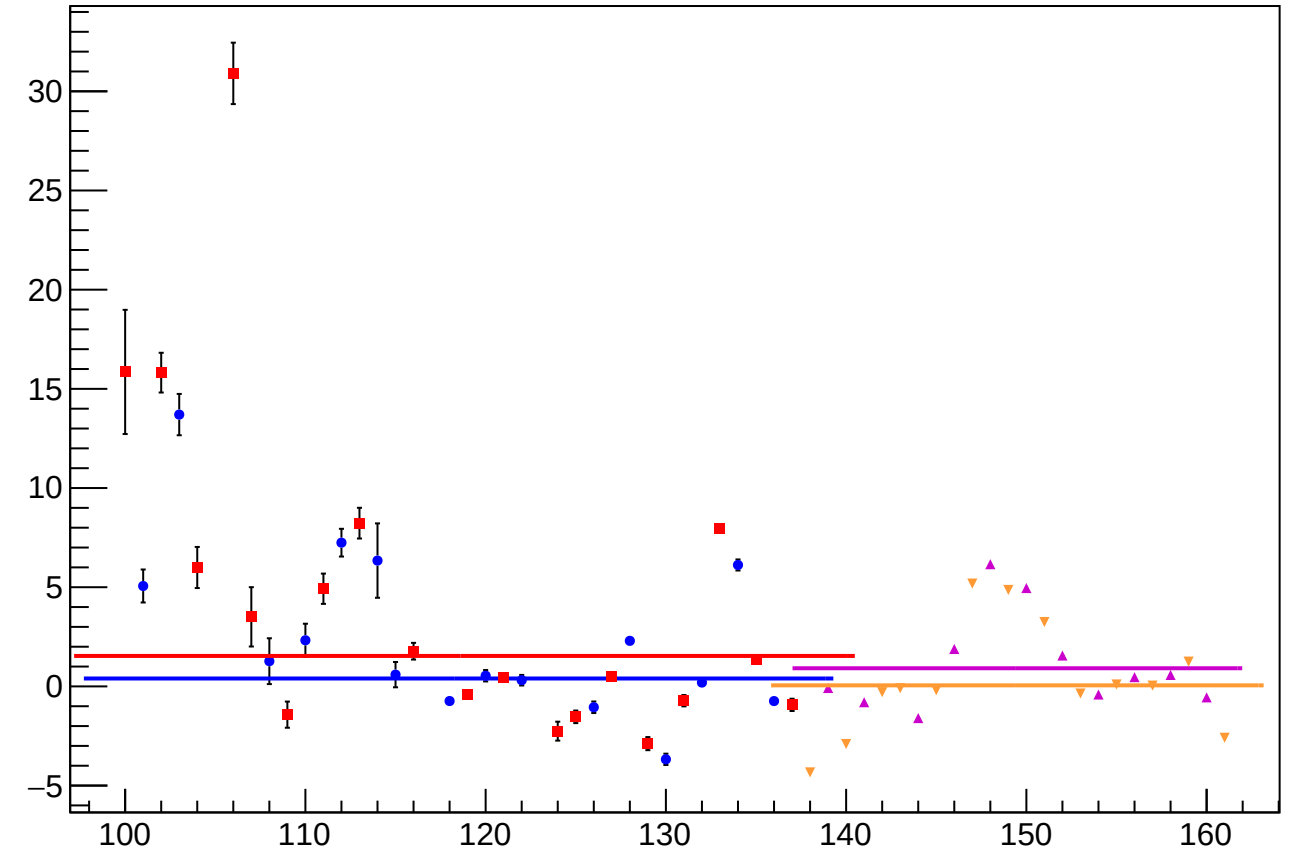
Left: -0.265+/-0.003 χ^2/NDF: 1399.0/23

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.241+/-0.004 χ^2/NDF:1180.9/26

Out: -0.232+/-0.004 χ^2/NDF:1416.9/31

All: -0.236+/-0.003 χ^2/NDF: 2600.2/58



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.053+/-0.046 χ^2/NDF:3464.0/12

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.915+/-0.047 χ^2/NDF:2390.0/10

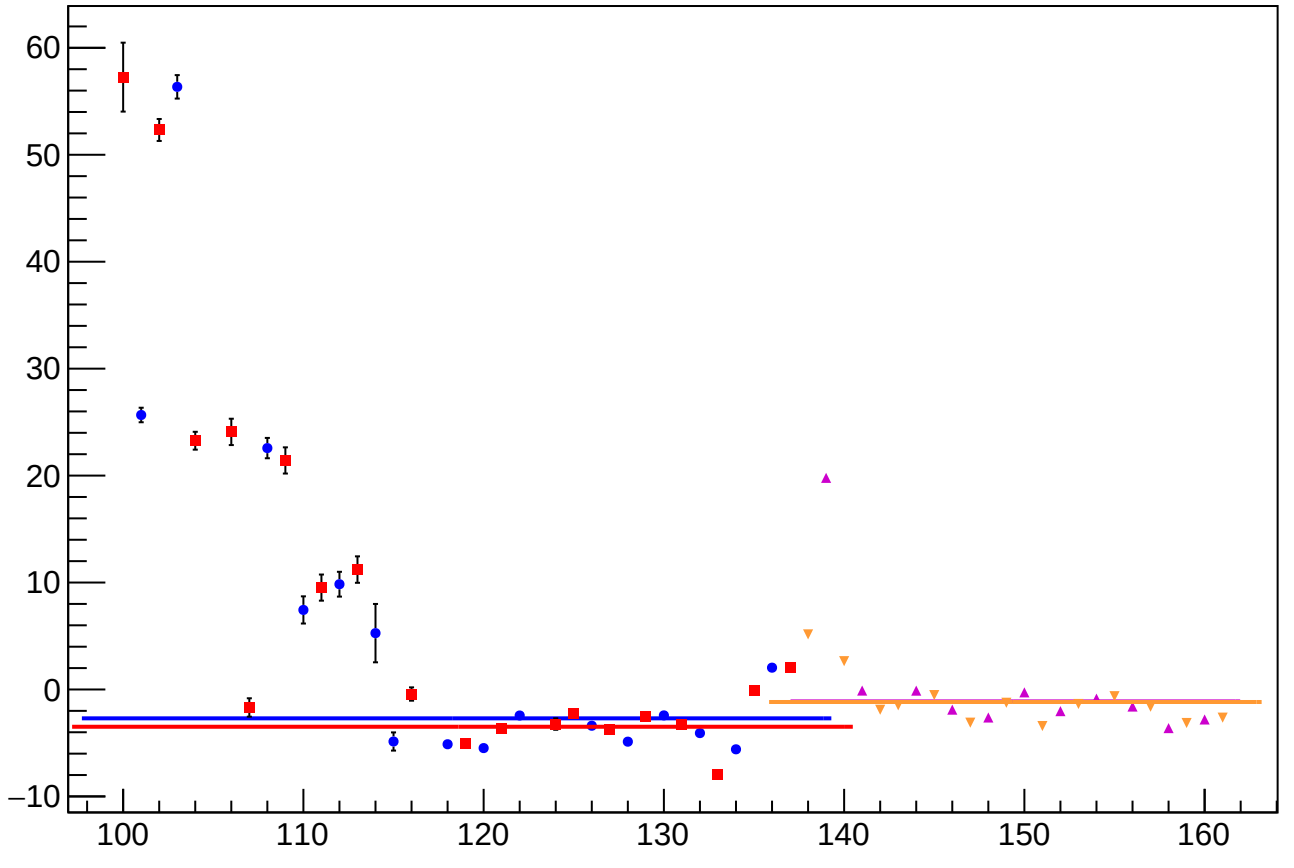
Left: 0.475+/-0.033 χ^2/NDF: 6029.3/23

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.777+/-0.040 χ^2/NDF:3520.3/26

Out: 0.429+/-0.039 χ^2/NDF:6143.7/31

All: 0.601+/-0.028 χ^2/NDF: 9702.7/58



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.170+/-0.032 χ^2/NDF:4117.4/12

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.114+/-0.032 χ^2/NDF:8063.7/10

Left: -1.142+/-0.023 χ^2/NDF: 12182.6/23

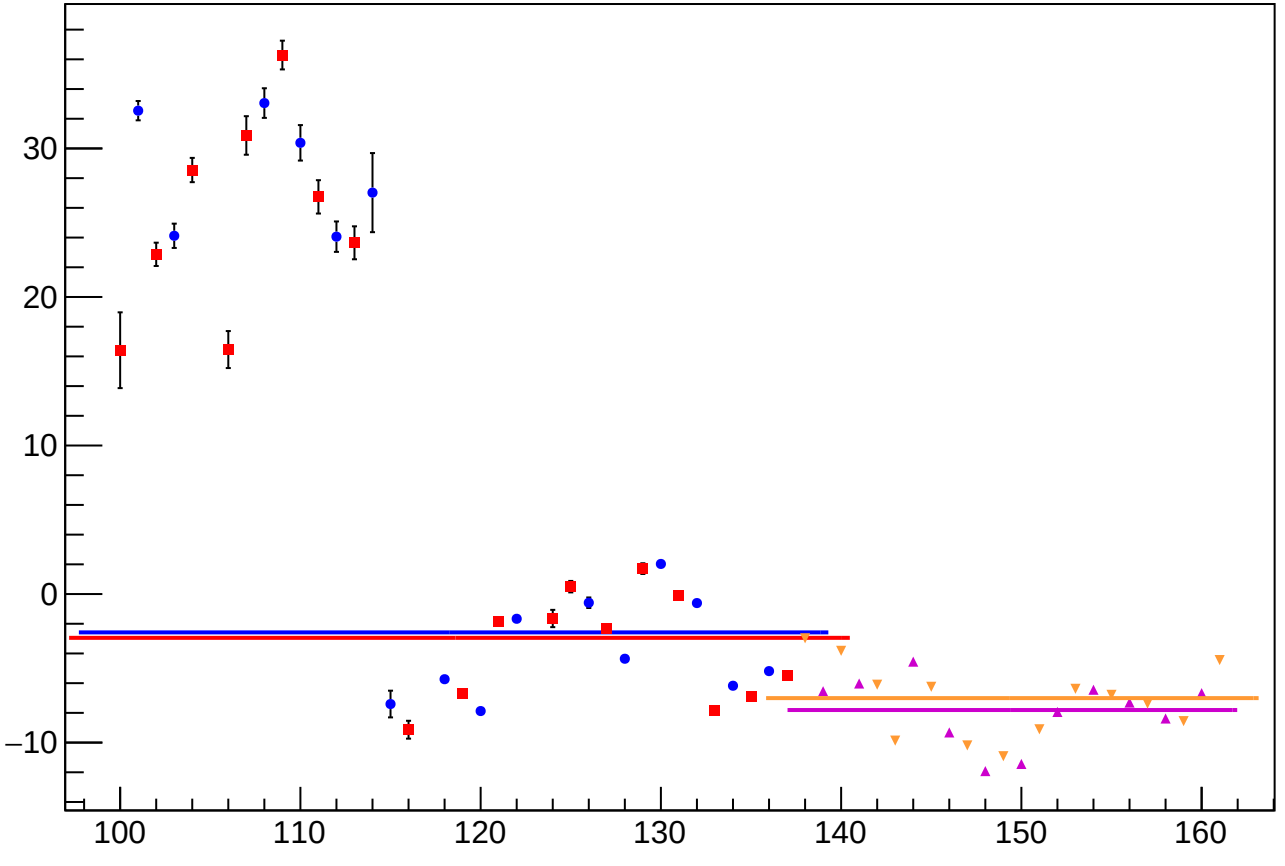
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.387+/-0.029 χ^2/NDF:15583.1/26

Out: -1.564+/-0.029 χ^2/NDF:12163.5/31

All: -1.476+/-0.021 χ^2/NDF: 27764.8/58

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: -7.006+/-0.045 χ^2/NDF:3011.1/12

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.809+/-0.045 χ^2/NDF:2553.2/10

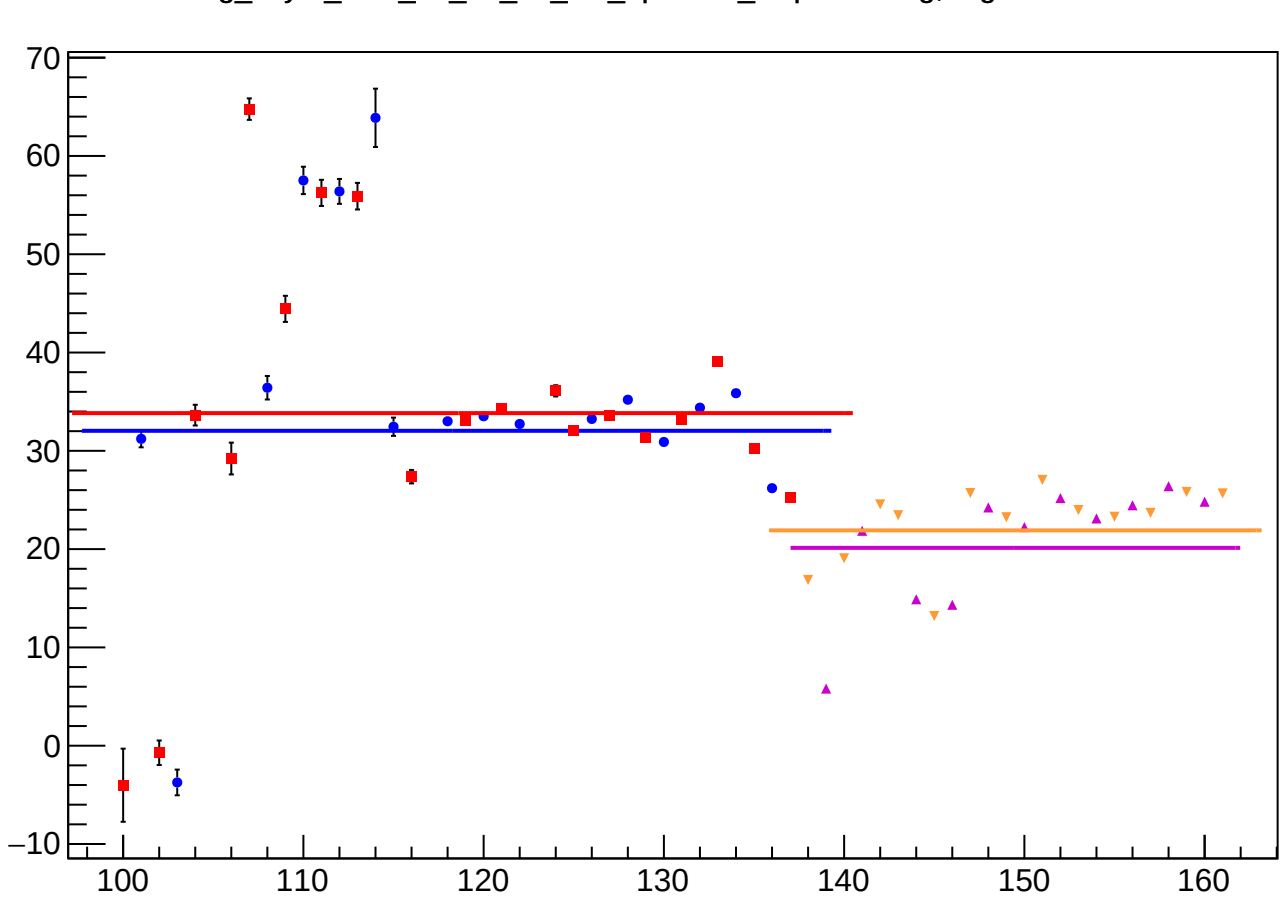
Left: -7.403+/-0.032 χ^2/NDF: 5722.9/23

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.611+/-0.040 χ^2/NDF:13763.5/26

Out: -6.124+/-0.040 χ^2/NDF:12994.1/31

All: -6.367+/-0.028 χ^2/NDF: 26832.7/58



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.906+/-0.038 χ^2/NDF:14943.7/12

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.128+/-0.038 χ^2/NDF:17992.5/10

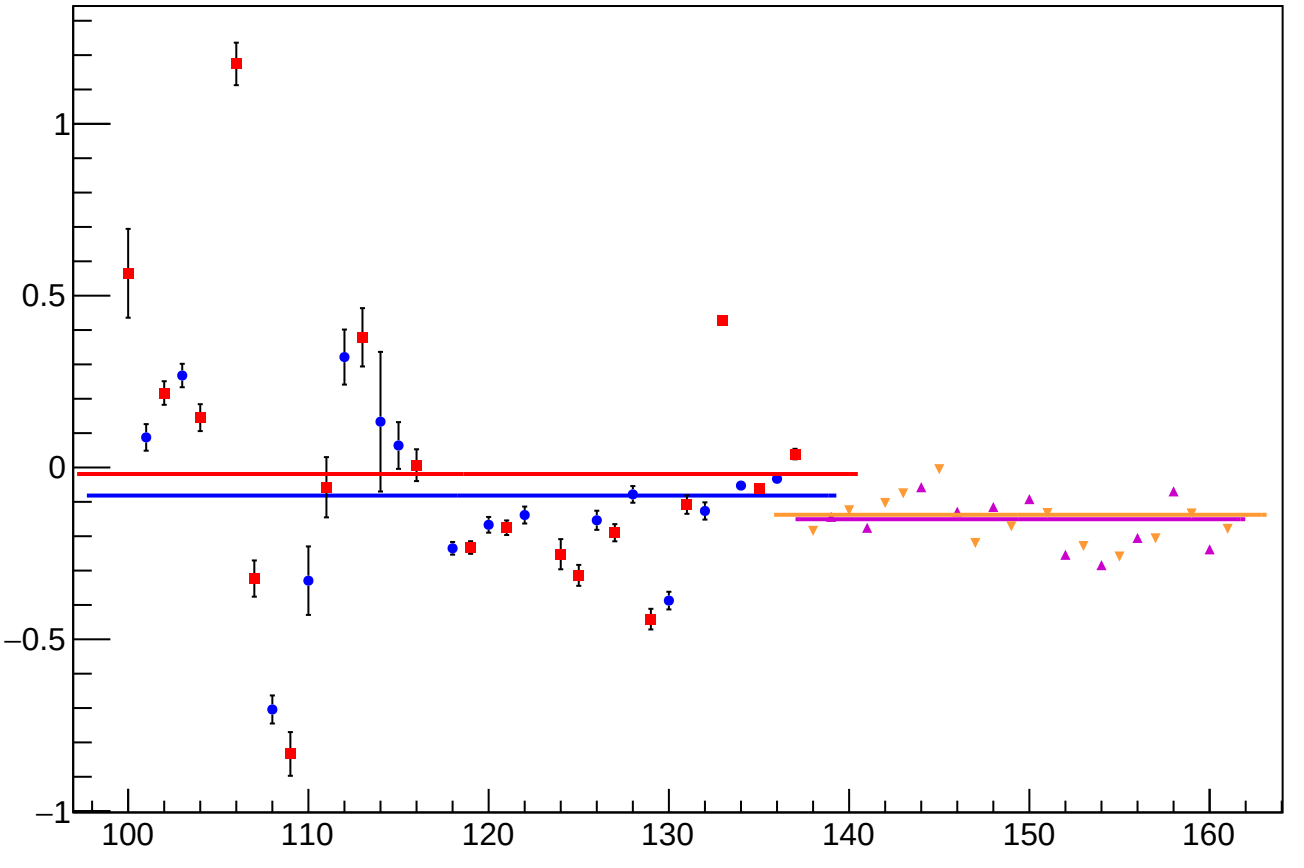
Left: 21.025+/-0.027 χ^2/NDF: 34033.5/23

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.274+/-0.035 χ^2/NDF:38846.1/26

Out: 24.013+/-0.034 χ^2/NDF:36775.5/31

All: 23.149+/-0.024 χ^2/NDF: 76899.1/58



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.138+/-0.002 χ^2/NDF:2091.7/12

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.151+/-0.002 χ^2/NDF:1642.5/10

Left: -0.144+/-0.001 χ^2/NDF: 3761.8/23

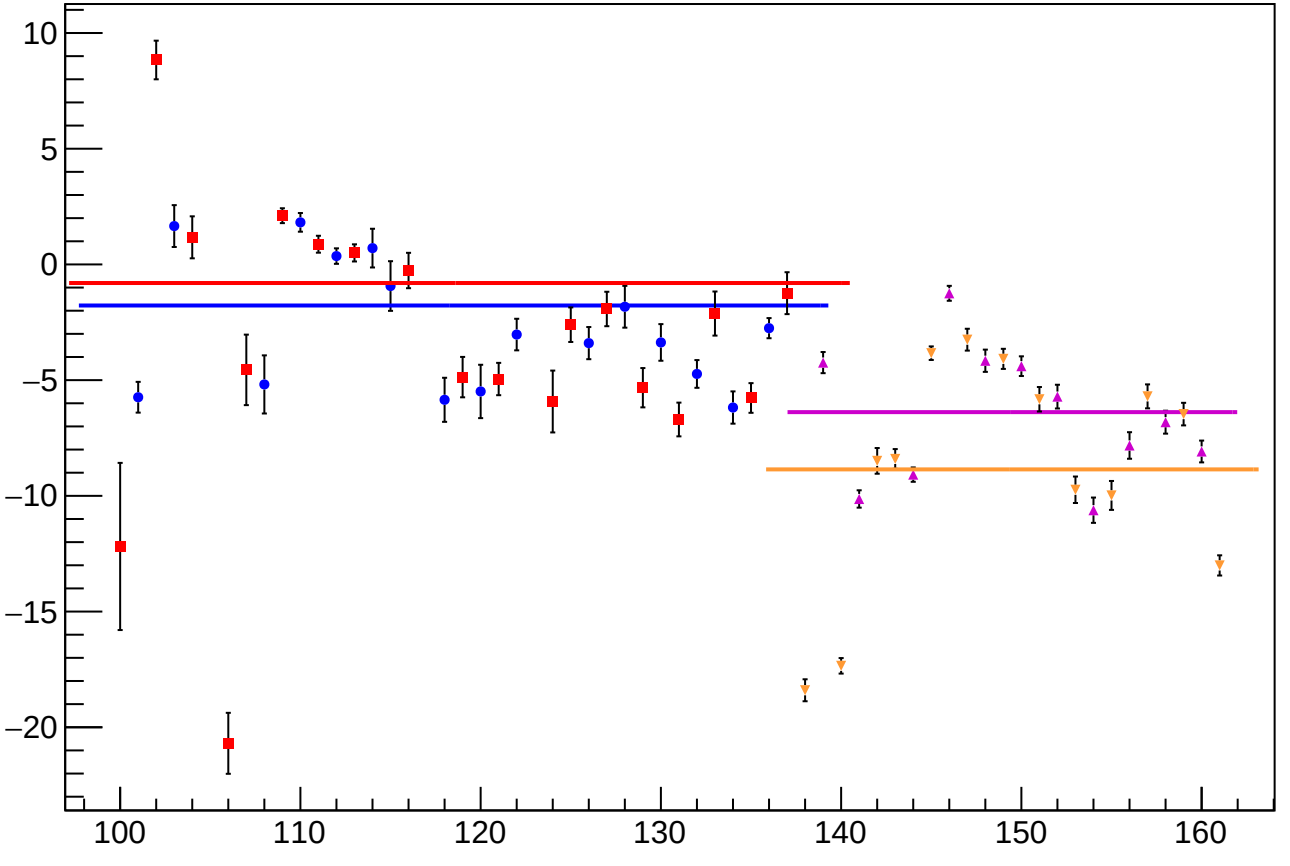
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.143+/-0.002 χ^2/NDF:2511.4/26

Out: -0.126+/-0.002 χ^2/NDF:4833.7/31

All: -0.134+/-0.001 χ^2/NDF: 7397.2/58

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.857+/-0.123 χ^2/NDF:1791.4/12

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.382+/-0.129 χ^2/NDF:576.1/10

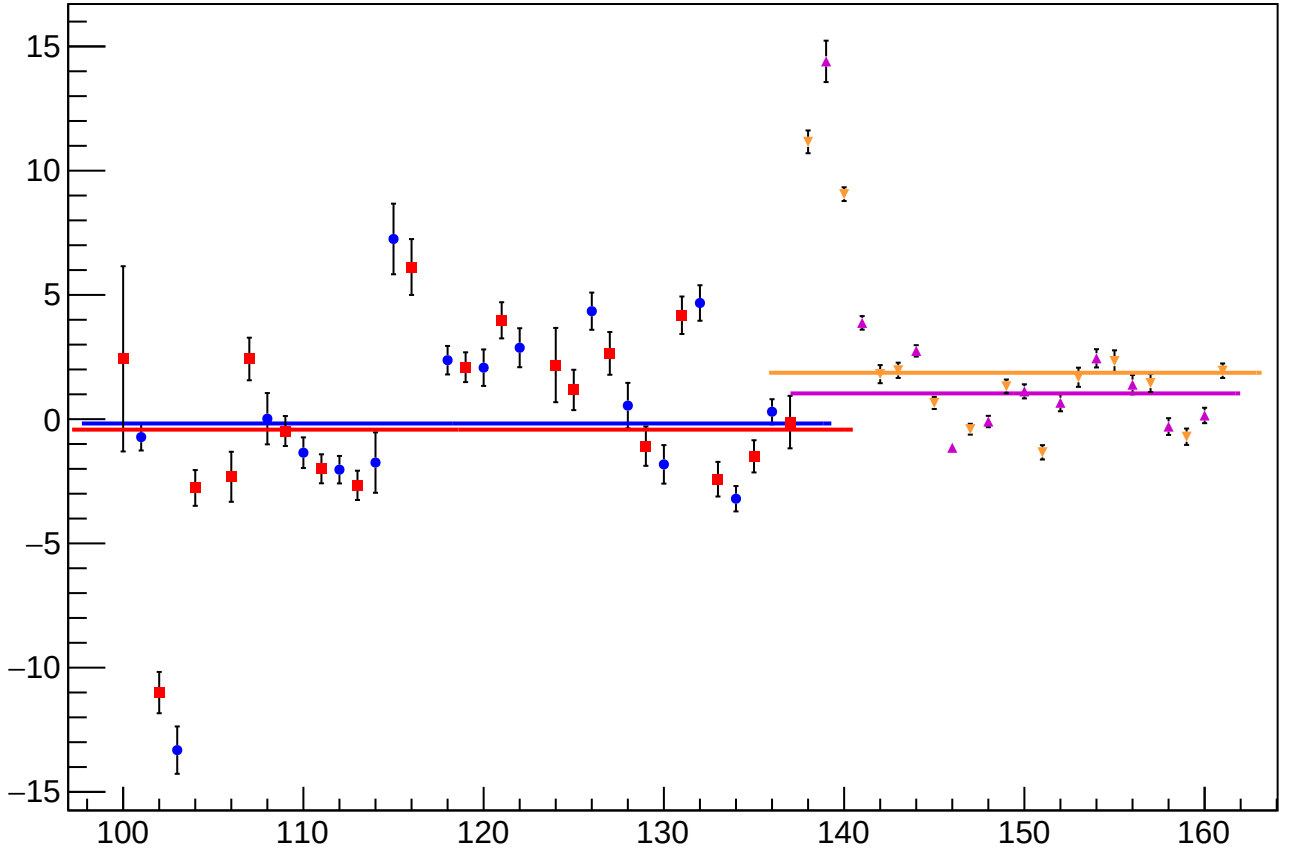
Left: -7.672+/-0.089 χ^2/NDF: 2560.6/23

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.535+/-0.099 χ^2/NDF:1388.9/26

Out: -5.568+/-0.095 χ^2/NDF:4269.5/31

All: -5.076+/-0.069 χ^2/NDF: 5714.9/58



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.868+/-0.085 χ^2/NDF:1409.2/12

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.037+/-0.087 χ^2/NDF:613.2/10

Left: 1.461+/-0.061 χ^2/NDF: 2069.6/23

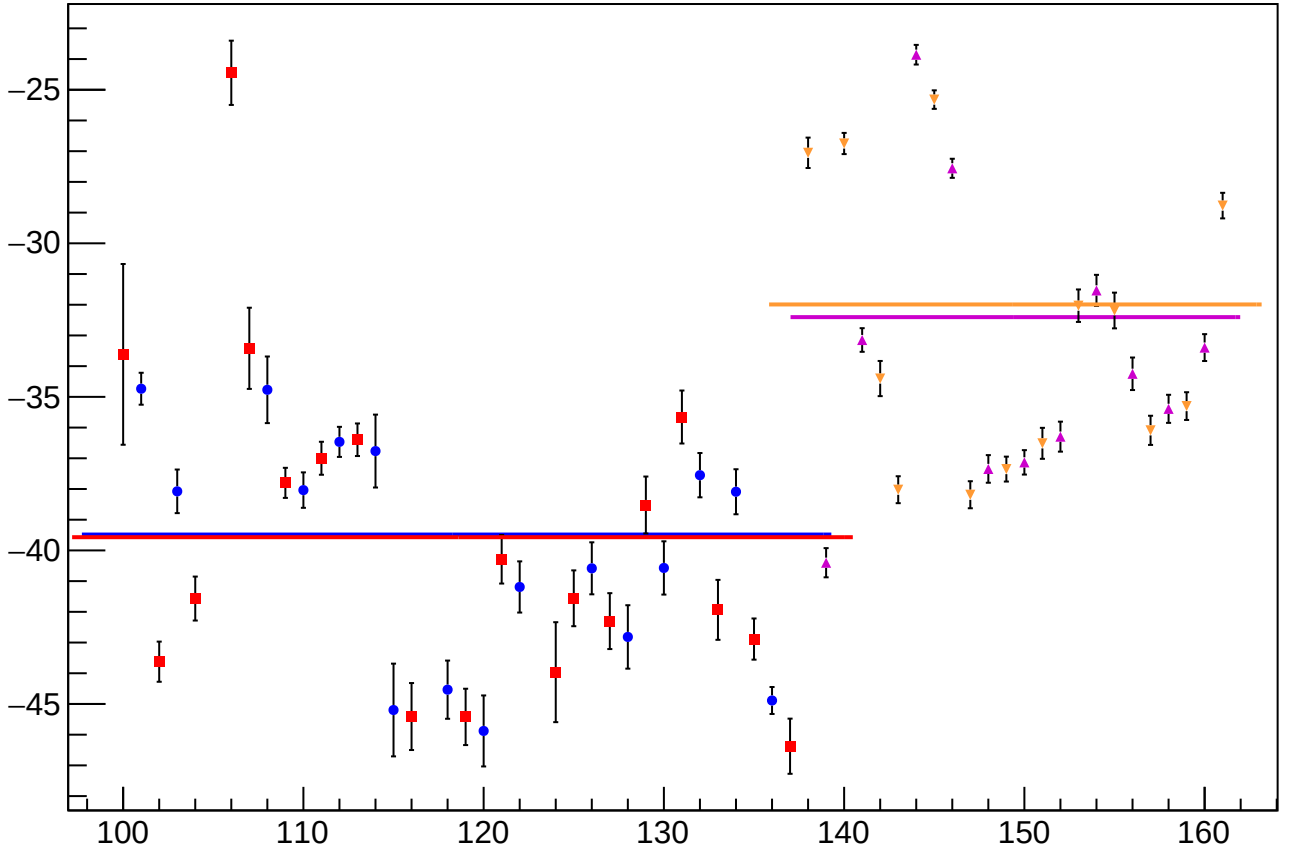
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.794+/-0.077 χ^2/NDF:1055.5/26

Out: 1.443+/-0.076 χ^2/NDF:1911.3/31

All: 1.123+/-0.054 χ^2/NDF: 3002.4/58

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: -31.991+/-0.121 χ^2/NDF:1668.0/12

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -32.403+/-0.125 χ^2/NDF:1632.4/10

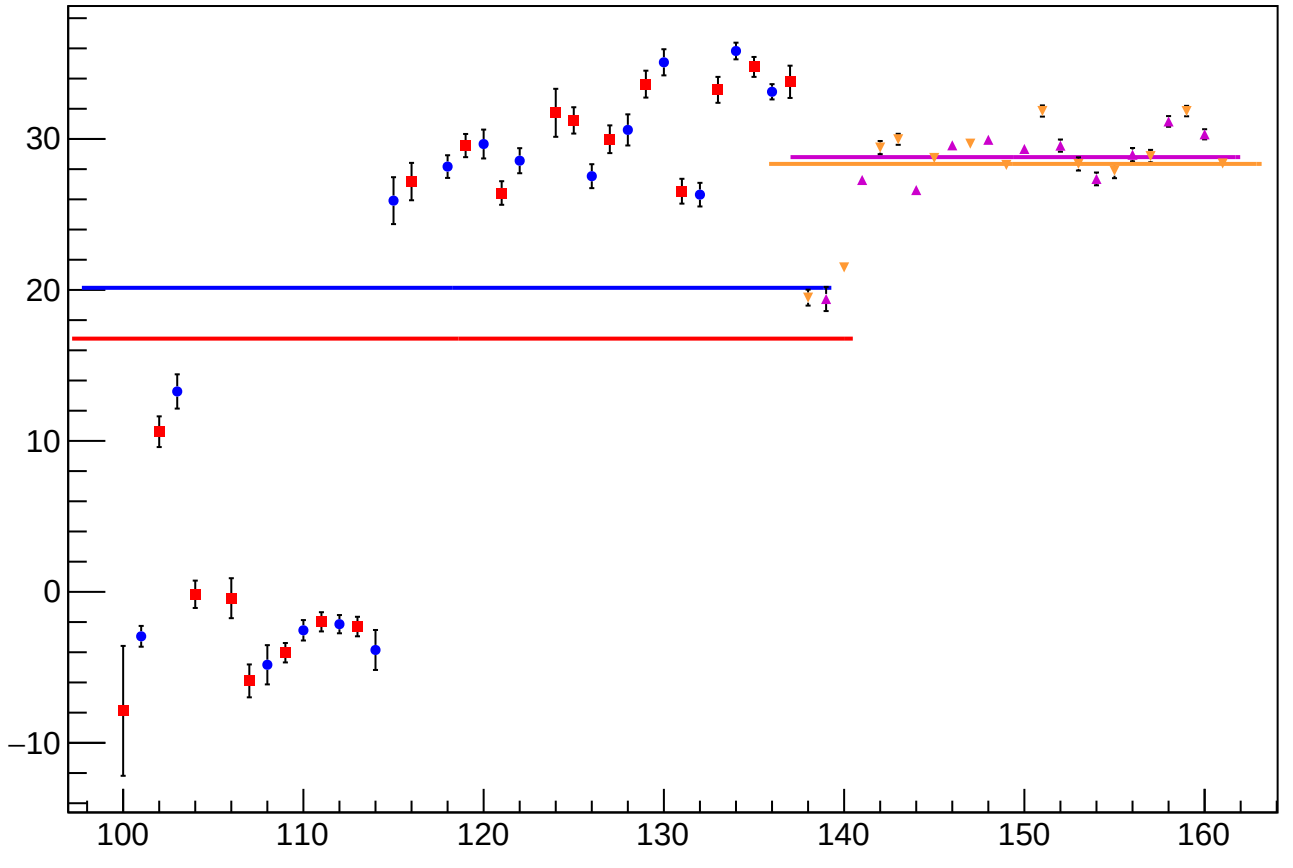
Left: -32.190+/-0.087 χ^2/NDF: 3306.0/23

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.697+/-0.103 χ^2/NDF:3085.0/26

Out: -34.327+/-0.100 χ^2/NDF:3434.7/31

All: -34.508+/-0.072 χ^2/NDF: 6526.4/58



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.348+/-0.100 χ^2/NDF:947.5/12

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.798+/-0.103 χ^2/NDF:331.9/10

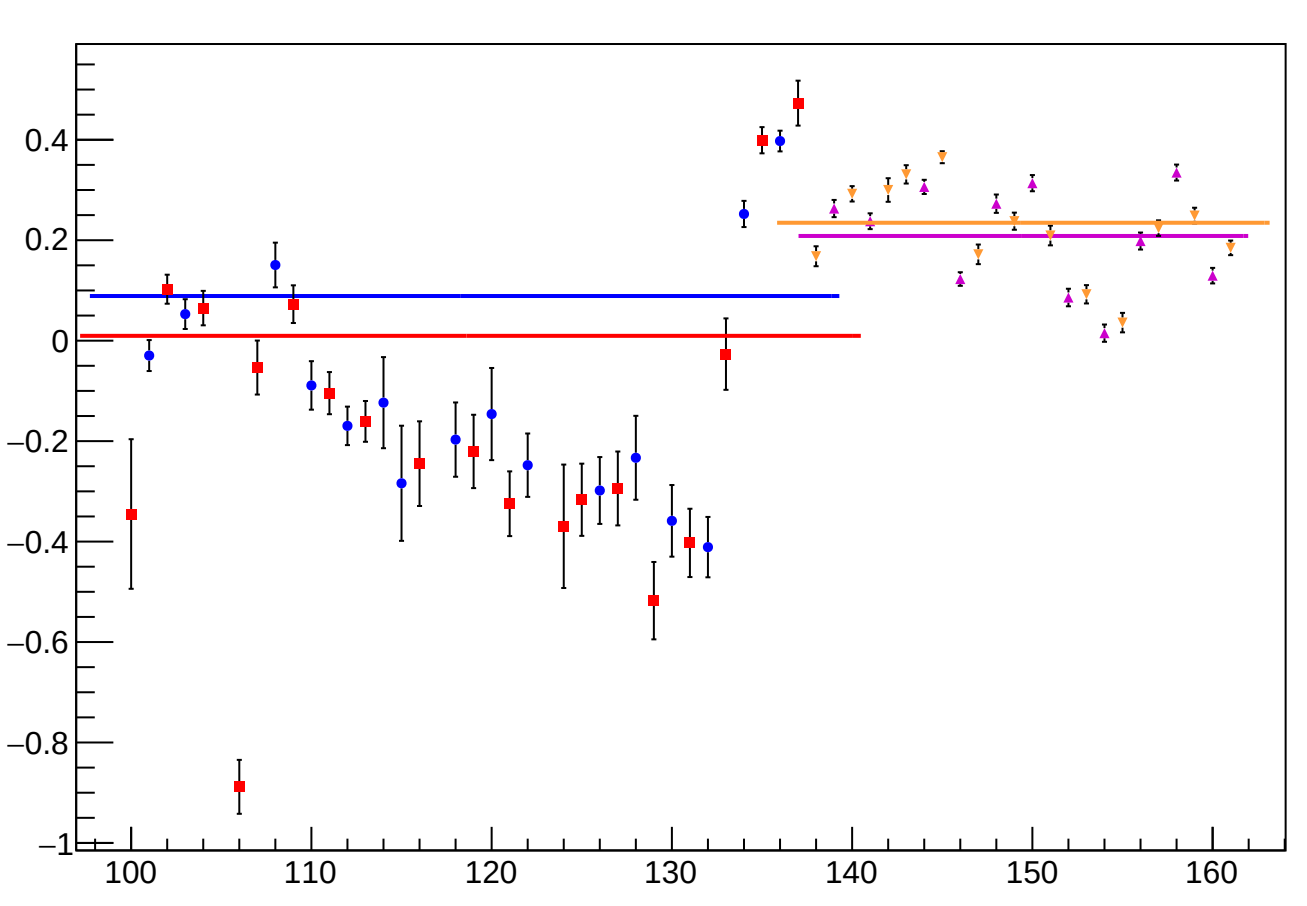
Left: 28.567+/-0.072 χ^2/NDF: 1289.2/23

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.912+/-0.091 χ^2/NDF:8563.0/26

Out: 26.022+/-0.090 χ^2/NDF:10369.8/31

All: 26.460+/-0.064 χ^2/NDF: 18981.5/58



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.235+/-0.005 χ^2/NDF:371.6/12

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.208+/-0.005 χ^2/NDF:421.6/10

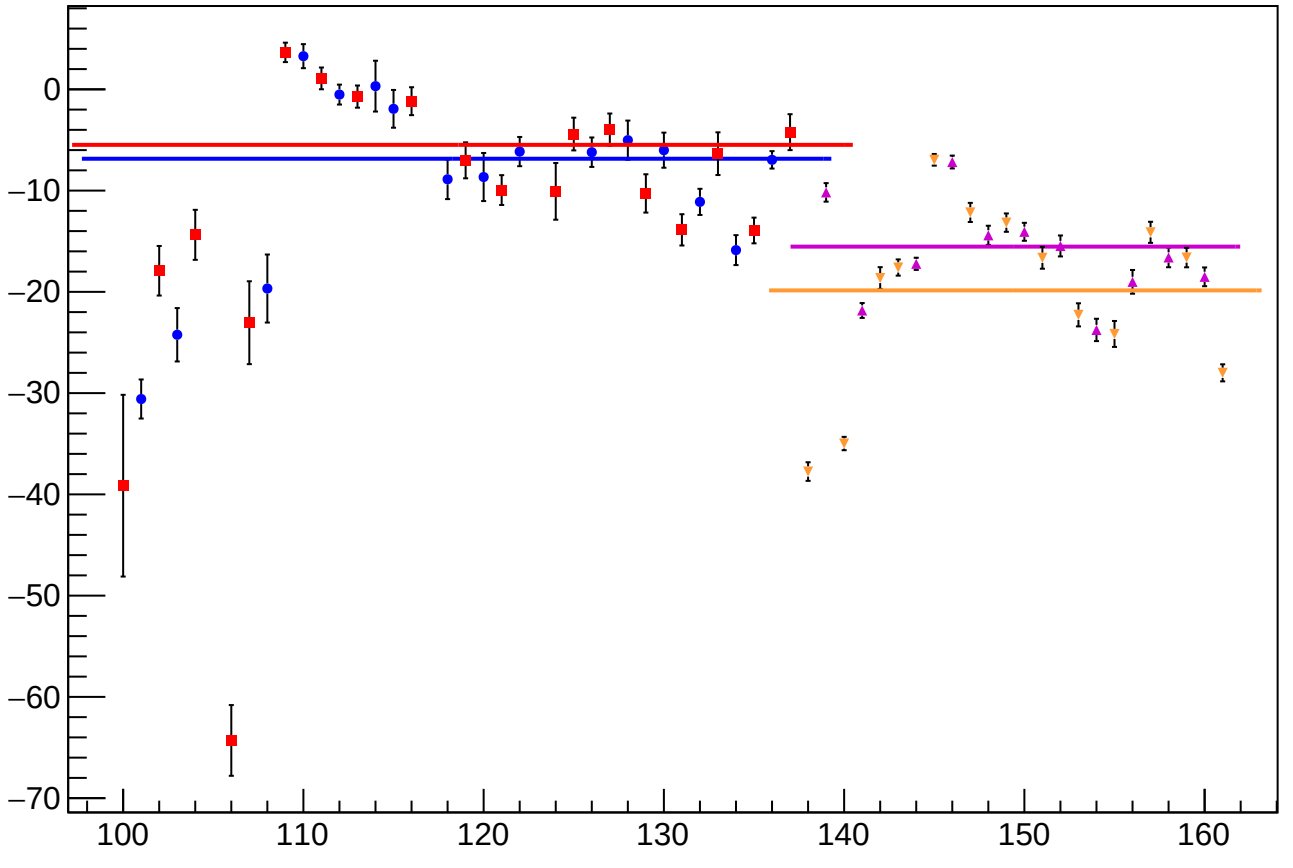
Left: 0.222+/-0.003 χ^2/NDF: 808.6/23

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.187+/-0.004 χ^2/NDF:1094.1/26

Out: 0.201+/-0.004 χ^2/NDF:1560.5/31

All: 0.194+/-0.003 χ^2/NDF: 2659.1/58



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.856+/-0.243 χ^2/NDF:1693.6/12

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.532+/-0.255 χ^2/NDF:369.2/10

Left: -17.794+/-0.176 χ^2/NDF: 2213.4/23

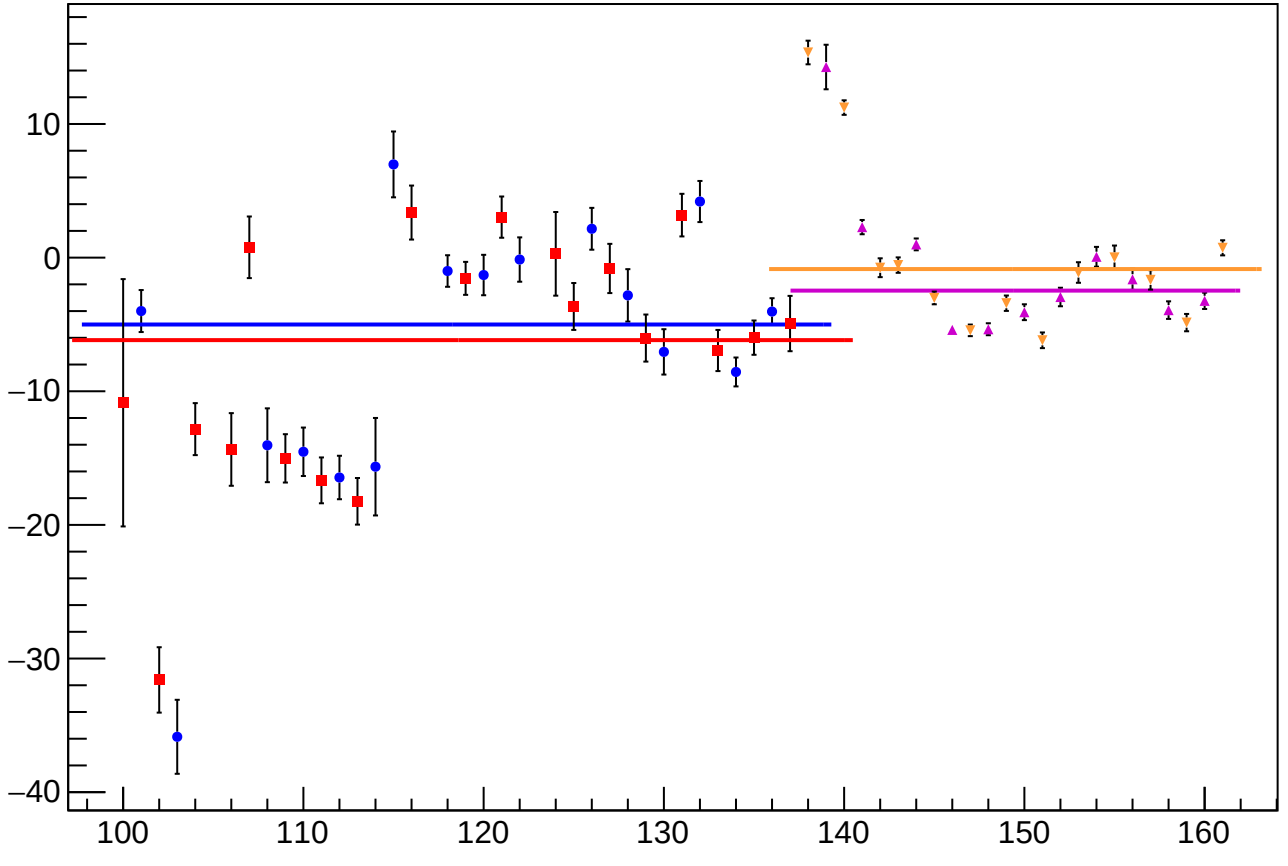
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -12.796+/-0.211 χ^2/NDF:1124.9/26

Out: -15.501+/-0.203 χ^2/NDF:3357.7/31

All: -14.199+/-0.146 χ^2/NDF: 4568.0/58

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.855+/-0.167 χ^2/NDF:1111.8/12

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.468+/-0.171 χ^2/NDF:371.1/10

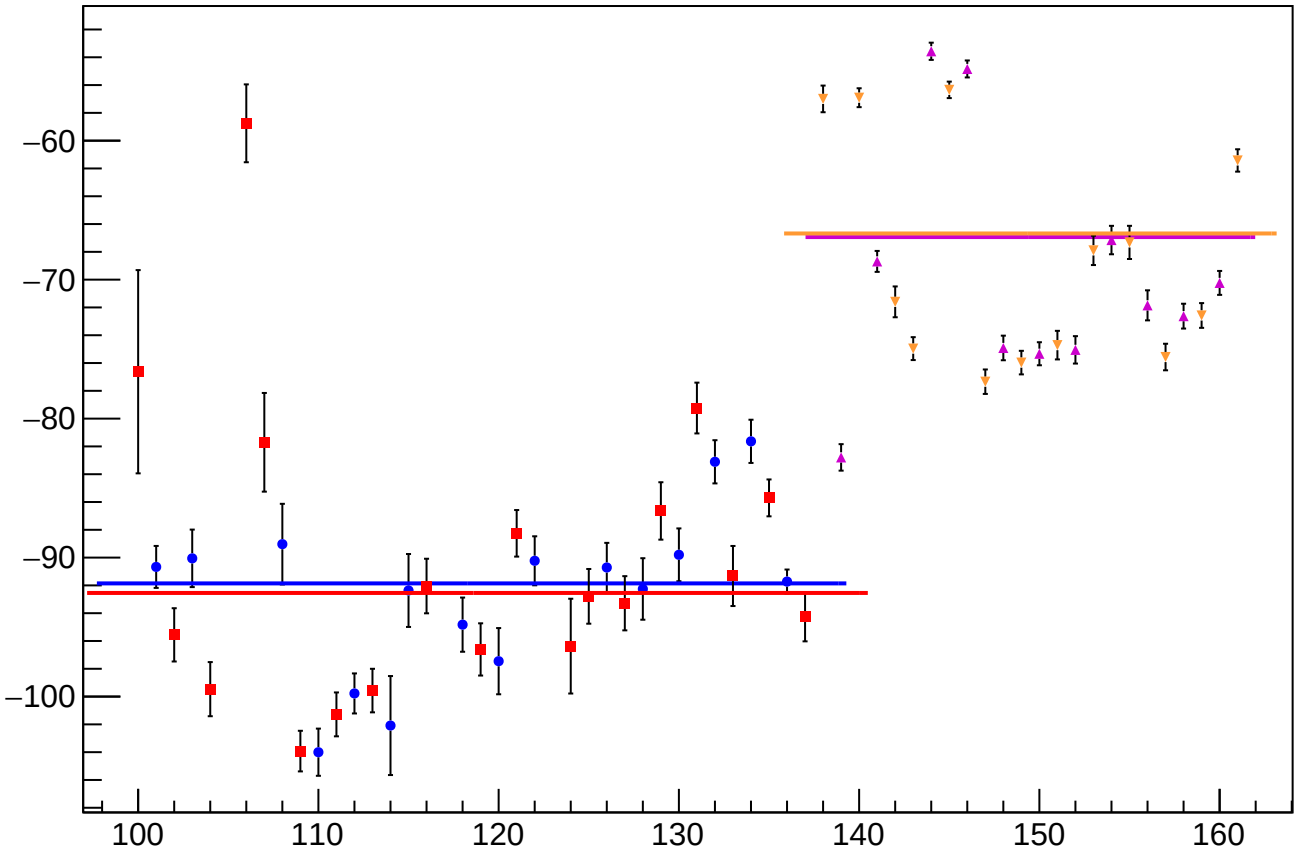
Left: -1.646+/-0.119 χ^2/NDF: 1528.4/23

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.866+/-0.157 χ^2/NDF:747.5/26

Out: -1.595+/-0.155 χ^2/NDF:1621.3/31

All: -2.225+/-0.110 χ^2/NDF: 2402.0/58



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.678+/-0.239 χ^2/NDF:1236.1/12

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -66.936+/-0.248 χ^2/NDF:1467.8/10

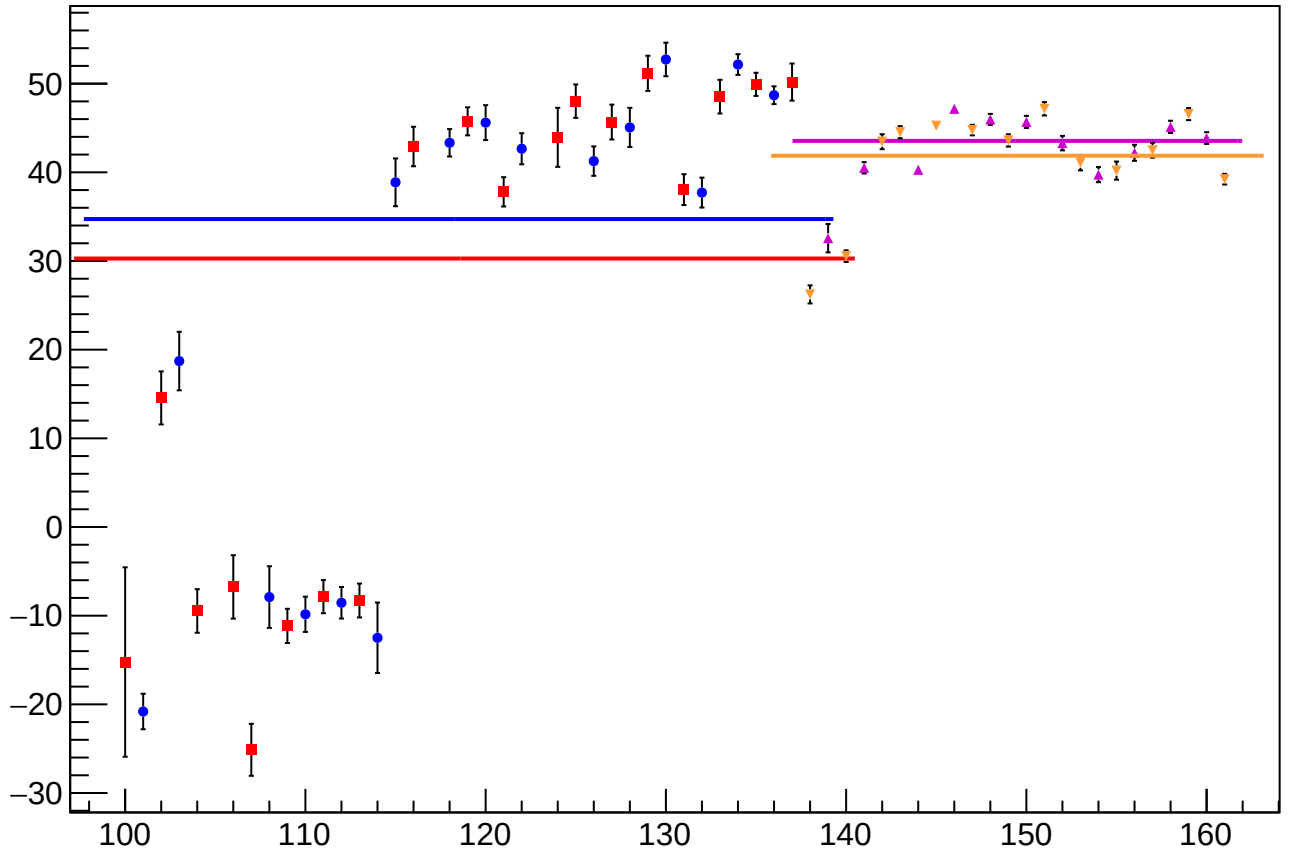
Left: -66.803+/-0.172 χ^2/NDF: 2704.5/23

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.269+/-0.214 χ^2/NDF:4221.1/26

Out: -72.585+/-0.210 χ^2/NDF:4299.7/31

All: -72.921+/-0.150 χ^2/NDF: 8525.9/58



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.872+/-0.198 χ^2/NDF:740.7/12

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.546+/-0.203 χ^2/NDF:220.8/10

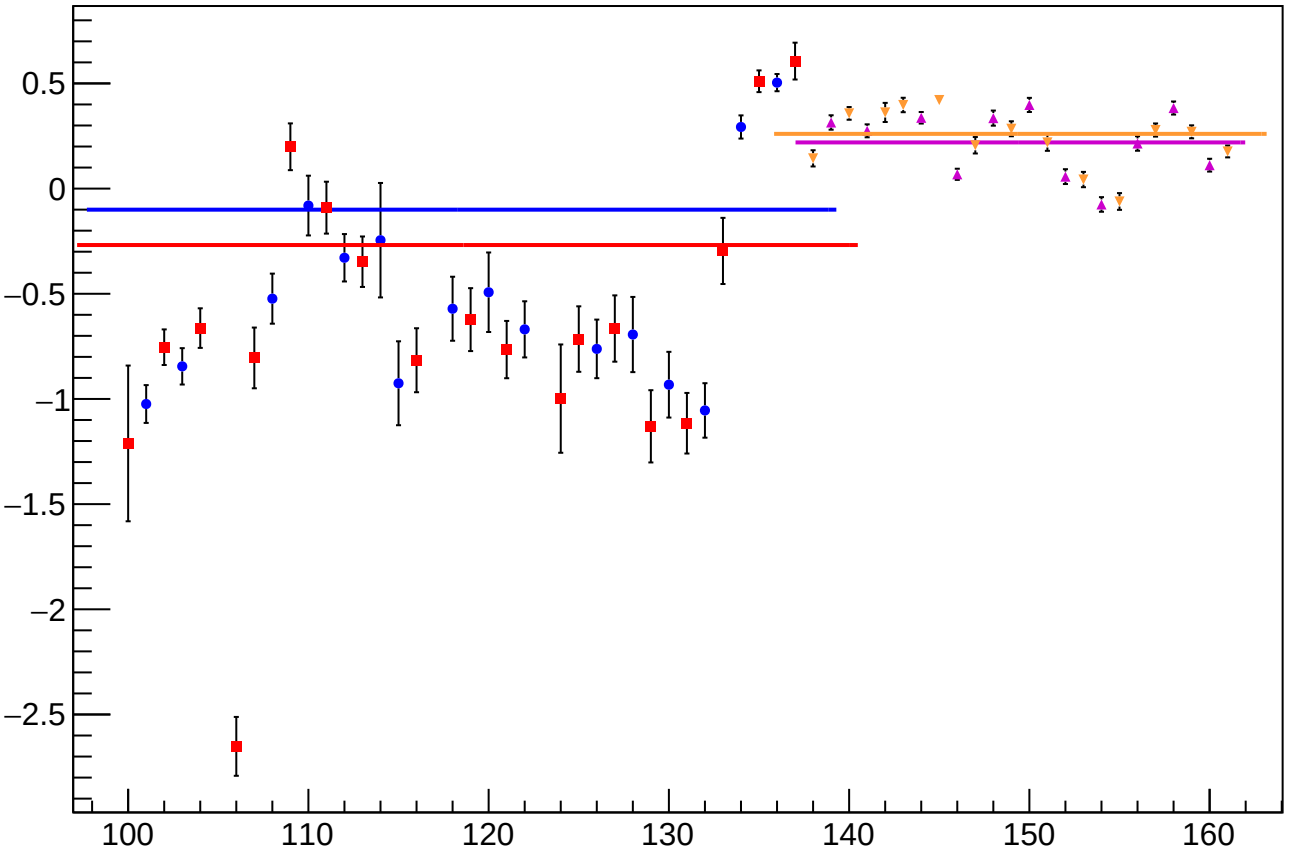
Left: 42.688+/-0.142 χ^2/NDF: 996.2/23

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 42.007+/-0.185 χ^2/NDF:3358.5/26

Out: 40.106+/-0.182 χ^2/NDF:4173.9/31

All: 41.045+/-0.130 χ^2/NDF: 7586.1/58



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.260+/-0.009 χ^2/NDF:200.8/12

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.220+/-0.010 χ^2/NDF:233.8/10

Left: 0.241+/-0.007 χ^2/NDF: 444.0/23

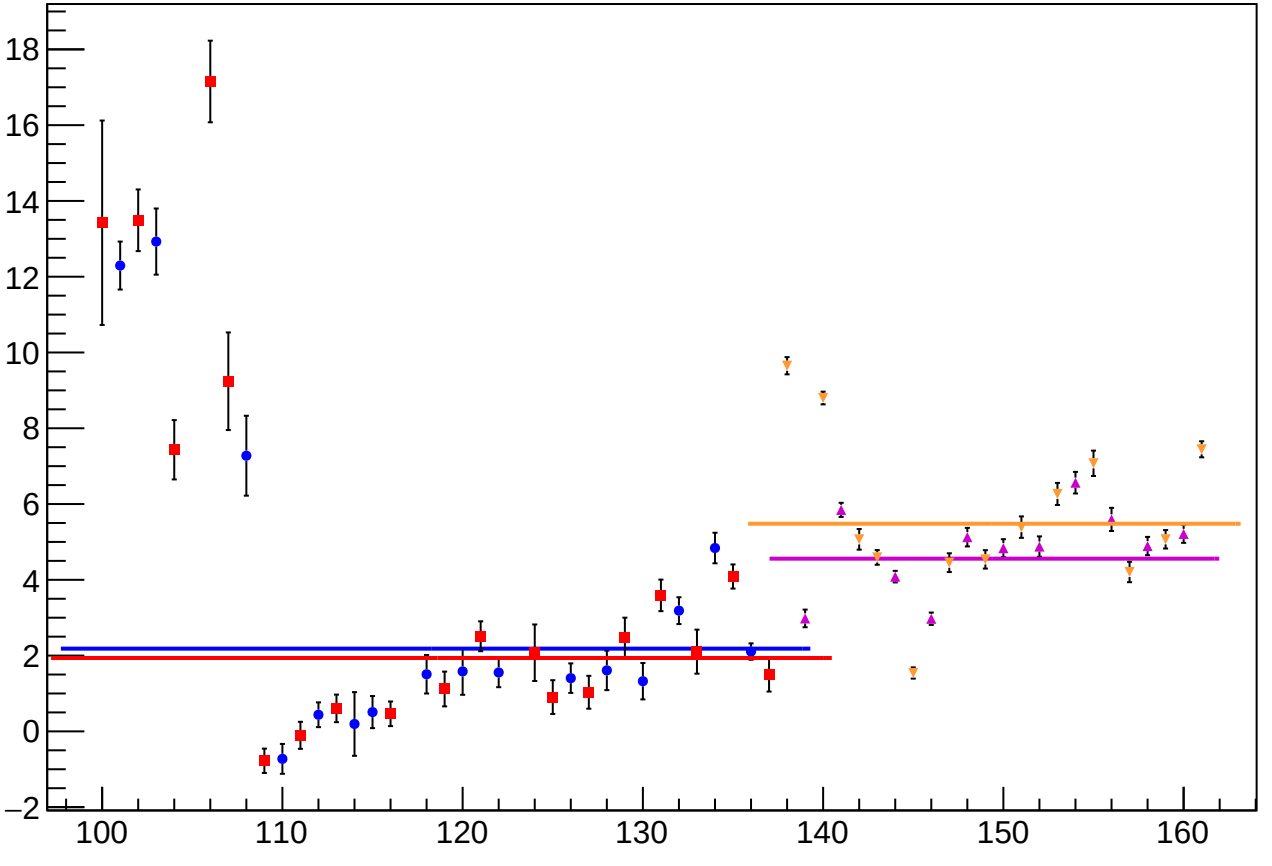
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.176+/-0.009 χ^2/NDF:1018.0/26

Out: 0.202+/-0.009 χ^2/NDF:1381.6/31

All: 0.189+/-0.006 χ^2/NDF: 2404.2/58

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.480+/-0.062 χ^2/NDF:1626.6/12

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.559+/-0.065 χ^2/NDF:276.0/10

Left: 5.043+/-0.045 χ^2/NDF: 2007.0/23

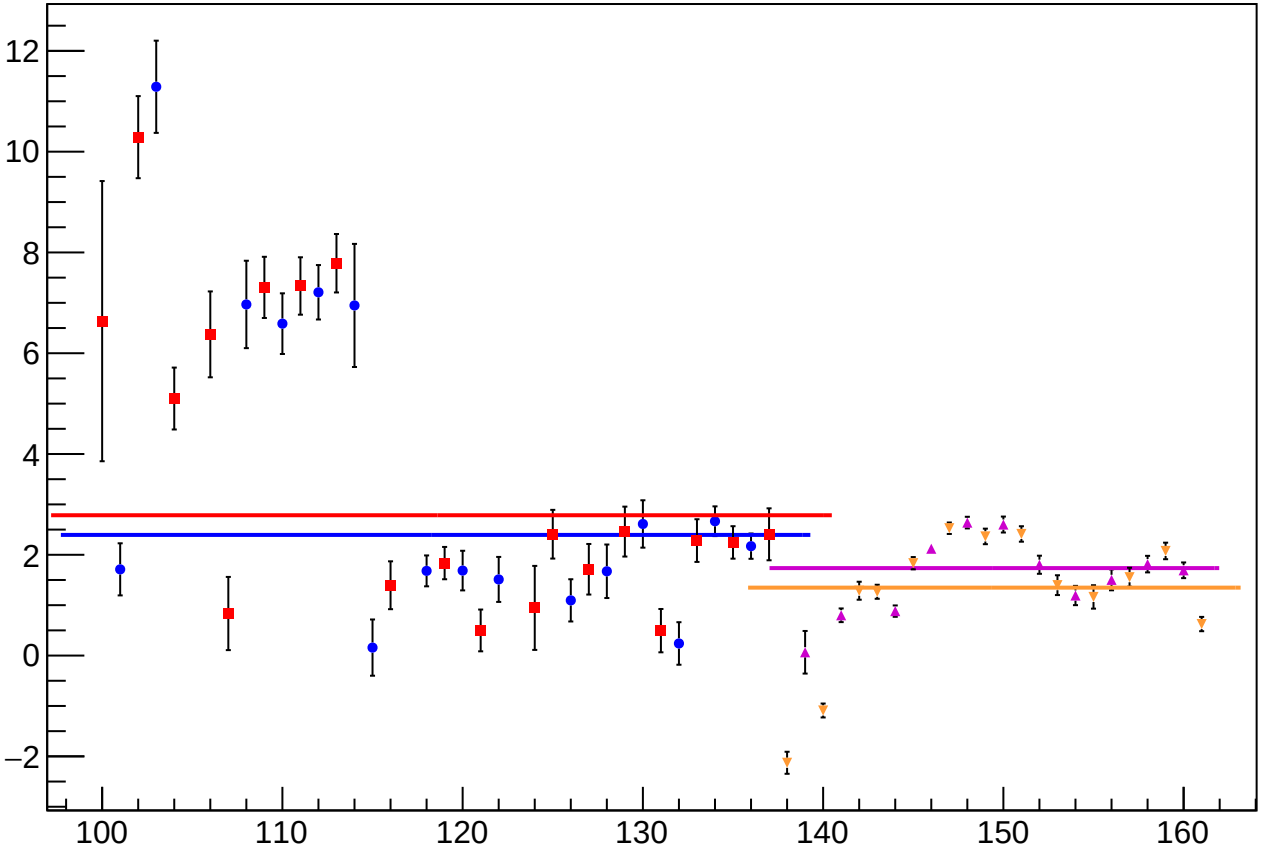
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.894+/-0.056 χ^2/NDF:1243.9/26

Out: 4.569+/-0.053 χ^2/NDF:3182.1/31

All: 4.244+/-0.039 χ^2/NDF: 4502.6/58

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.348+/-0.043 χ^2/NDF:826.7/12

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.736+/-0.044 χ^2/NDF:237.6/10

Left: 1.538+/-0.031 χ^2/NDF: 1104.5/23

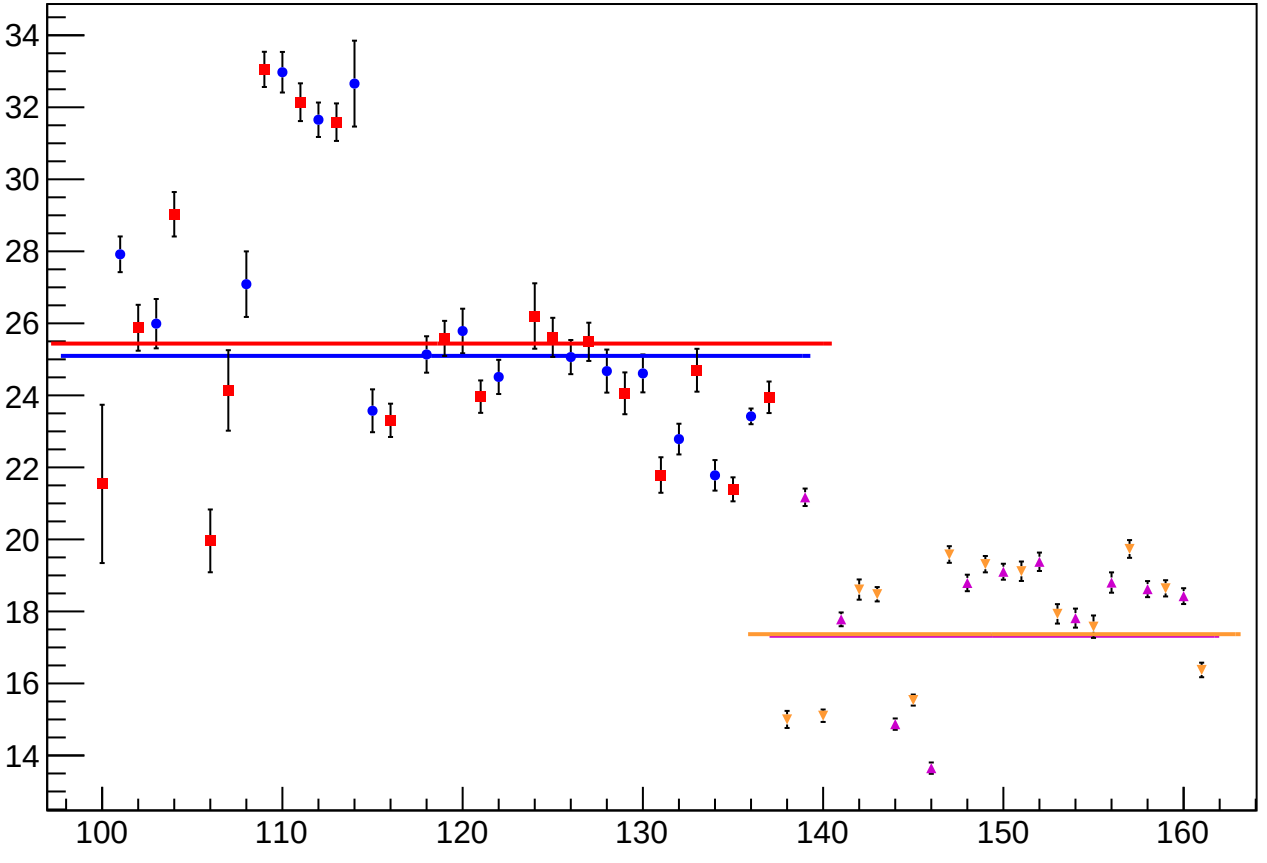
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.828+/-0.041 χ^2/NDF:603.3/26

Out: 1.521+/-0.040 χ^2/NDF:1372.8/31

All: 1.673+/-0.029 χ^2/NDF: 2005.1/58

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.368+/-0.061 χ^2/NDF:825.2/12

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.324+/-0.064 χ^2/NDF:1307.6/10

Left: 17.347+/-0.044 χ^2/NDF: 2132.9/23

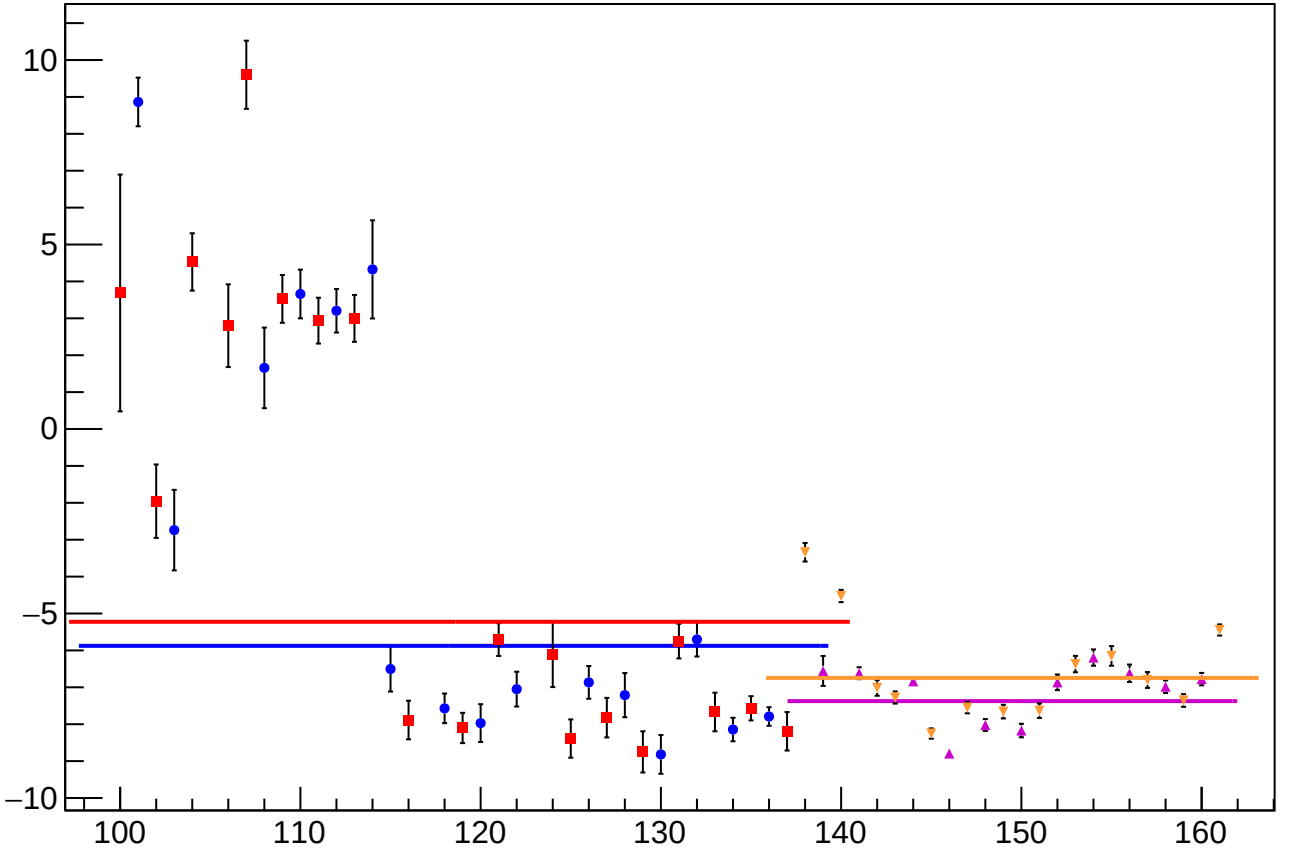
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.083+/-0.056 χ^2/NDF:5313.5/26

Out: 18.942+/-0.055 χ^2/NDF:5111.1/31

All: 19.011+/-0.039 χ^2/NDF: 10427.9/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.745+/-0.051 χ^2/NDF:653.7/12

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.374+/-0.052 χ^2/NDF:279.9/10

Left: -7.051+/-0.036 χ^2/NDF: 1008.5/23

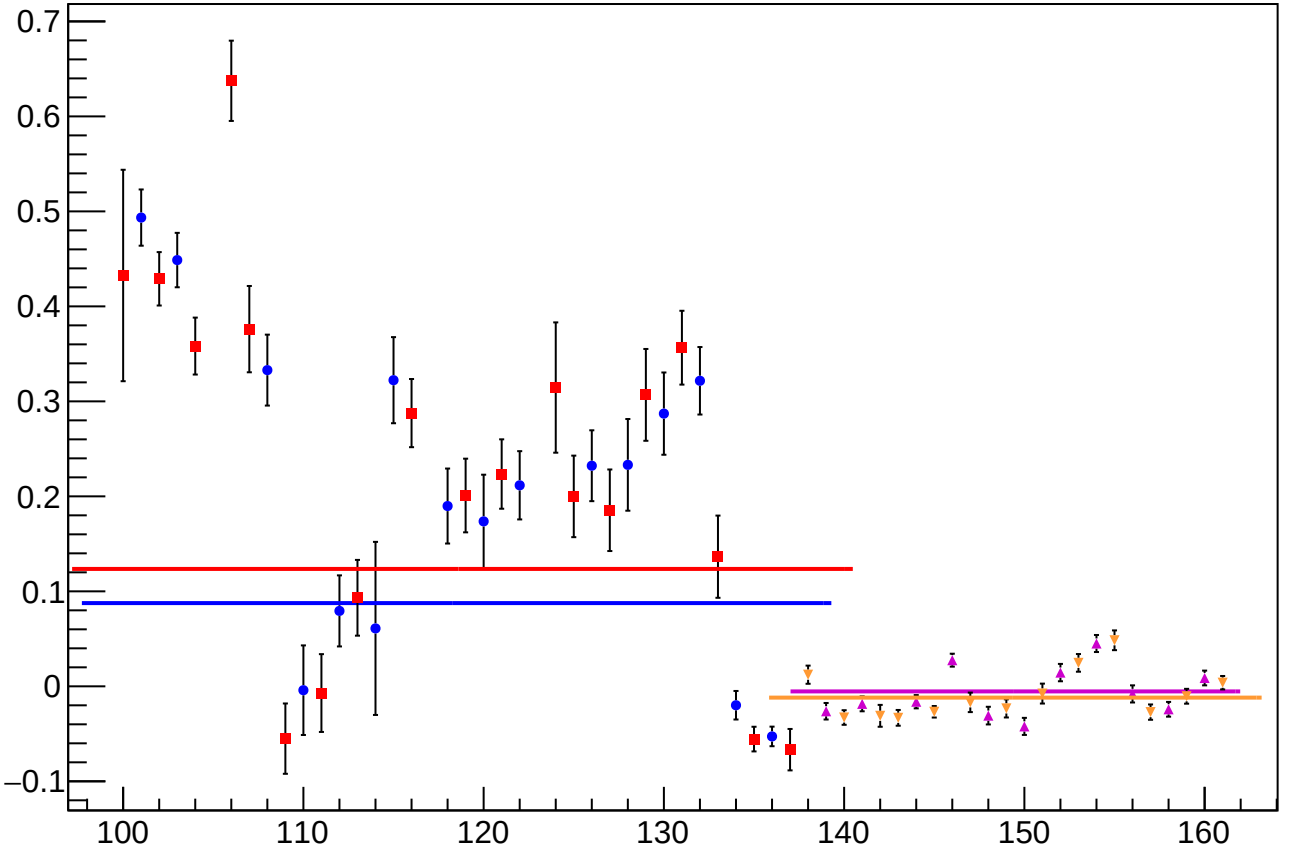
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.139+/-0.048 χ^2/NDF:1661.1/26

Out: -6.544+/-0.047 χ^2/NDF:2065.4/31

All: -6.837+/-0.034 χ^2/NDF: 3805.0/58

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.012+/-0.002 χ^2/NDF:88.7/12

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.005+/-0.002 χ^2/NDF:104.2/10

Left: -0.009+/-0.002 χ^2/NDF: 196.6/23

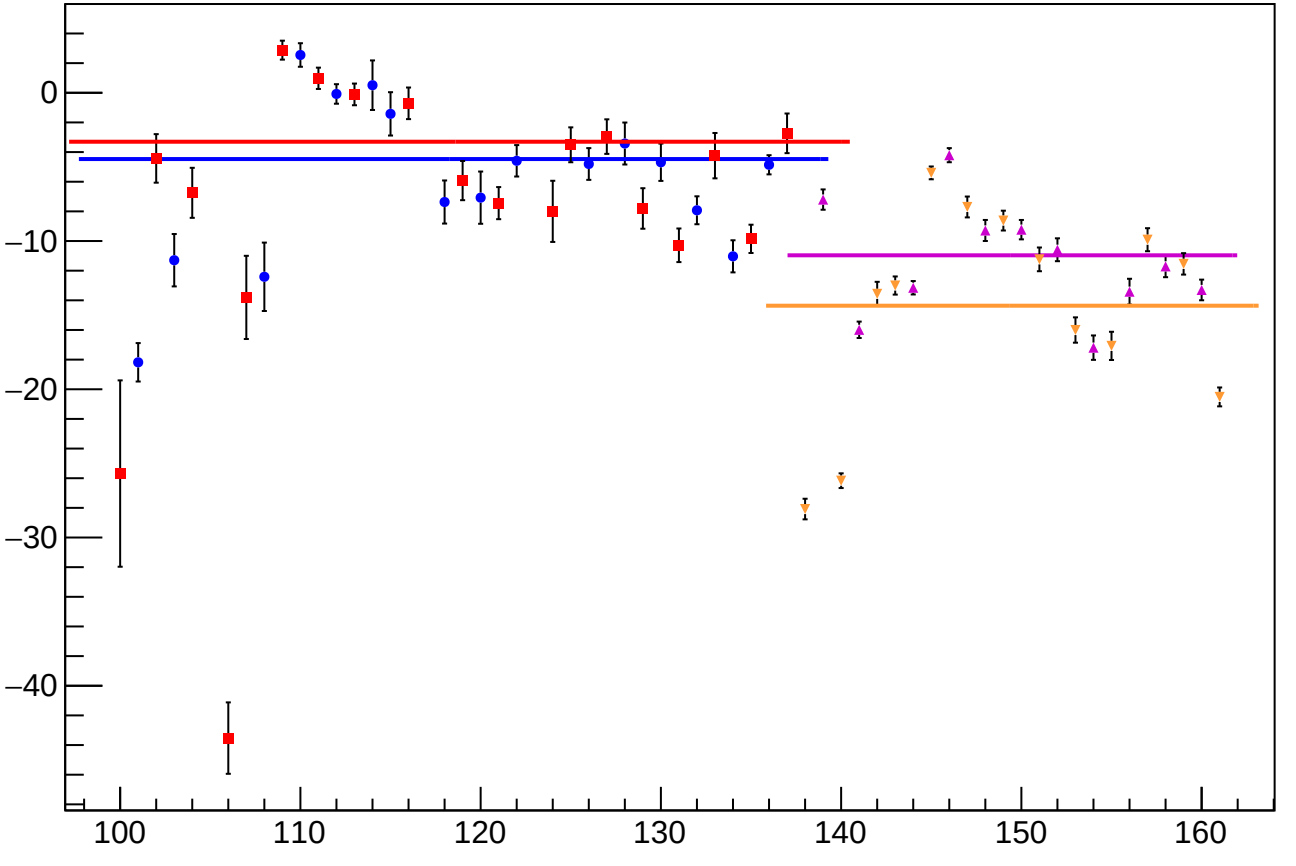
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.006+/-0.002 χ^2/NDF:1046.8/26

Out: 0.001+/-0.002 χ^2/NDF:1160.5/31

All: 0.003+/-0.002 χ^2/NDF: 2209.8/58

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.363+/-0.183 χ^2/NDF:1721.8/12

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.963+/-0.191 χ^2/NDF:427.6/10

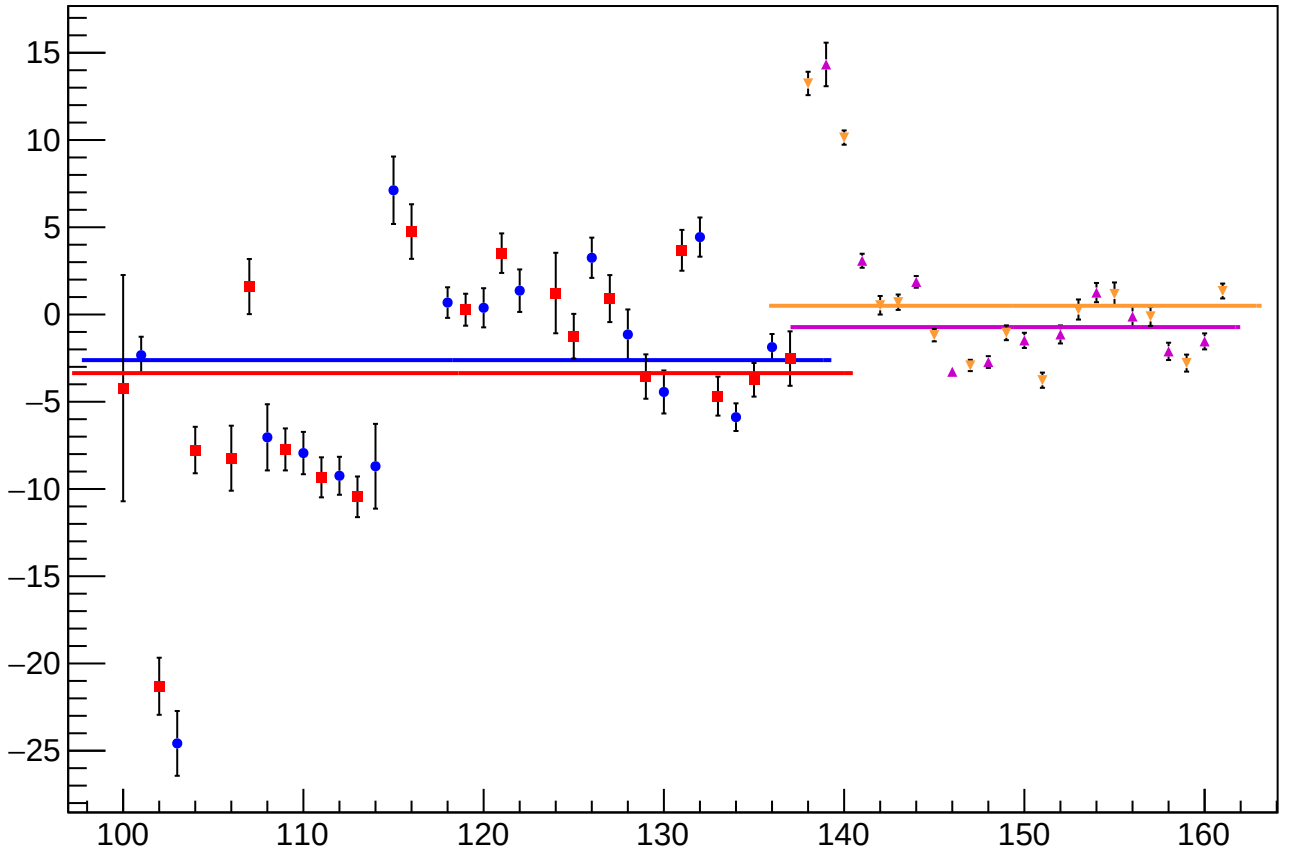
Left: -12.739+/-0.132 χ^2/NDF: 2315.0/23

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -8.782+/-0.156 χ^2/NDF:1147.8/26

Out: -10.725+/-0.150 χ^2/NDF:3513.3/31

All: -9.792+/-0.108 χ^2/NDF: 4742.2/58



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.500+/-0.126 χ^2/NDF:1211.6/12

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.722+/-0.128 χ^2/NDF:440.8/10

Left: -0.099+/-0.090 χ^2/NDF: 1698.9/23

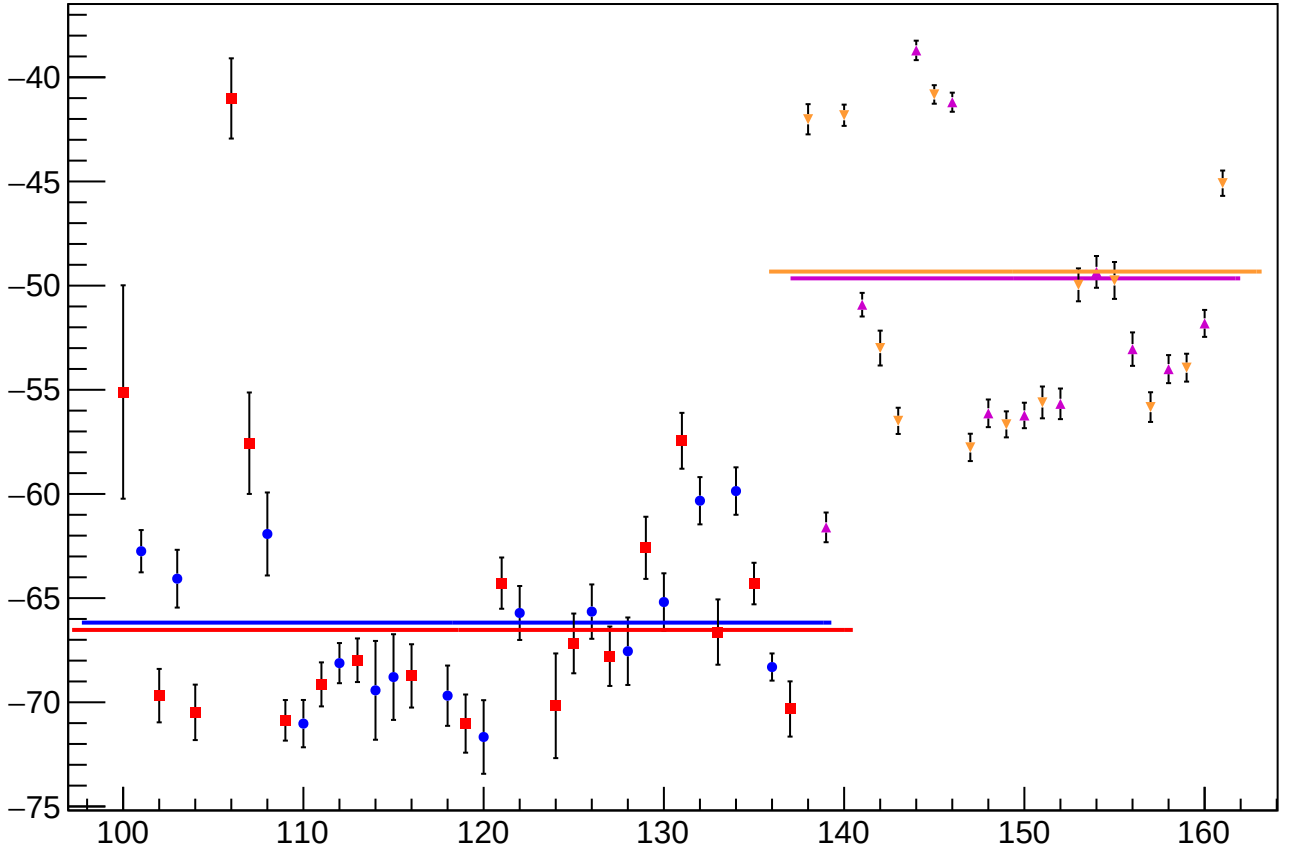
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.038+/-0.117 χ^2/NDF:829.3/26

Out: -0.079+/-0.116 χ^2/NDF:1713.1/31

All: -0.554+/-0.082 χ^2/NDF: 2576.4/58

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: -49.325+/-0.179 χ^2/NDF:1383.3/12

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -49.652+/-0.185 χ^2/NDF:1524.5/10

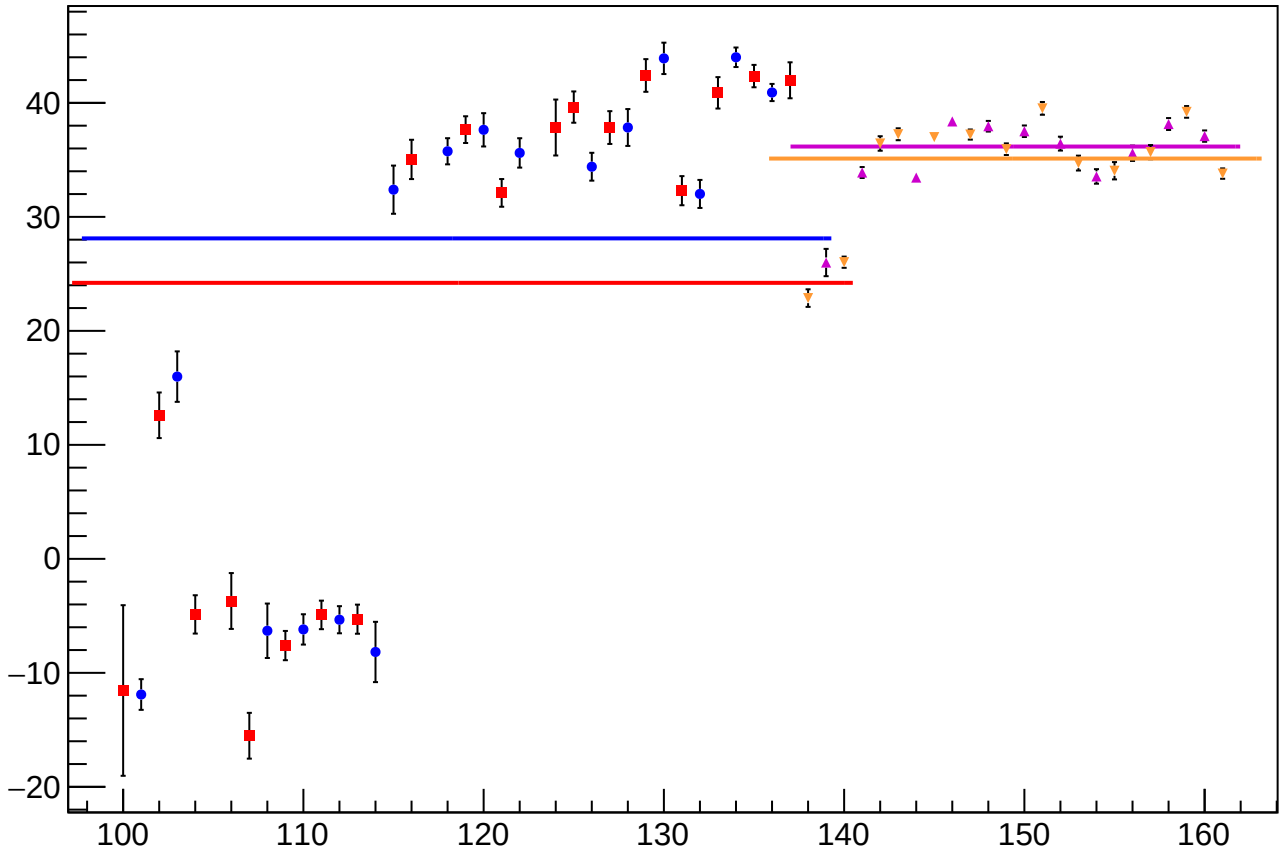
Left: -49.483+/-0.129 χ^2/NDF: 2909.4/23

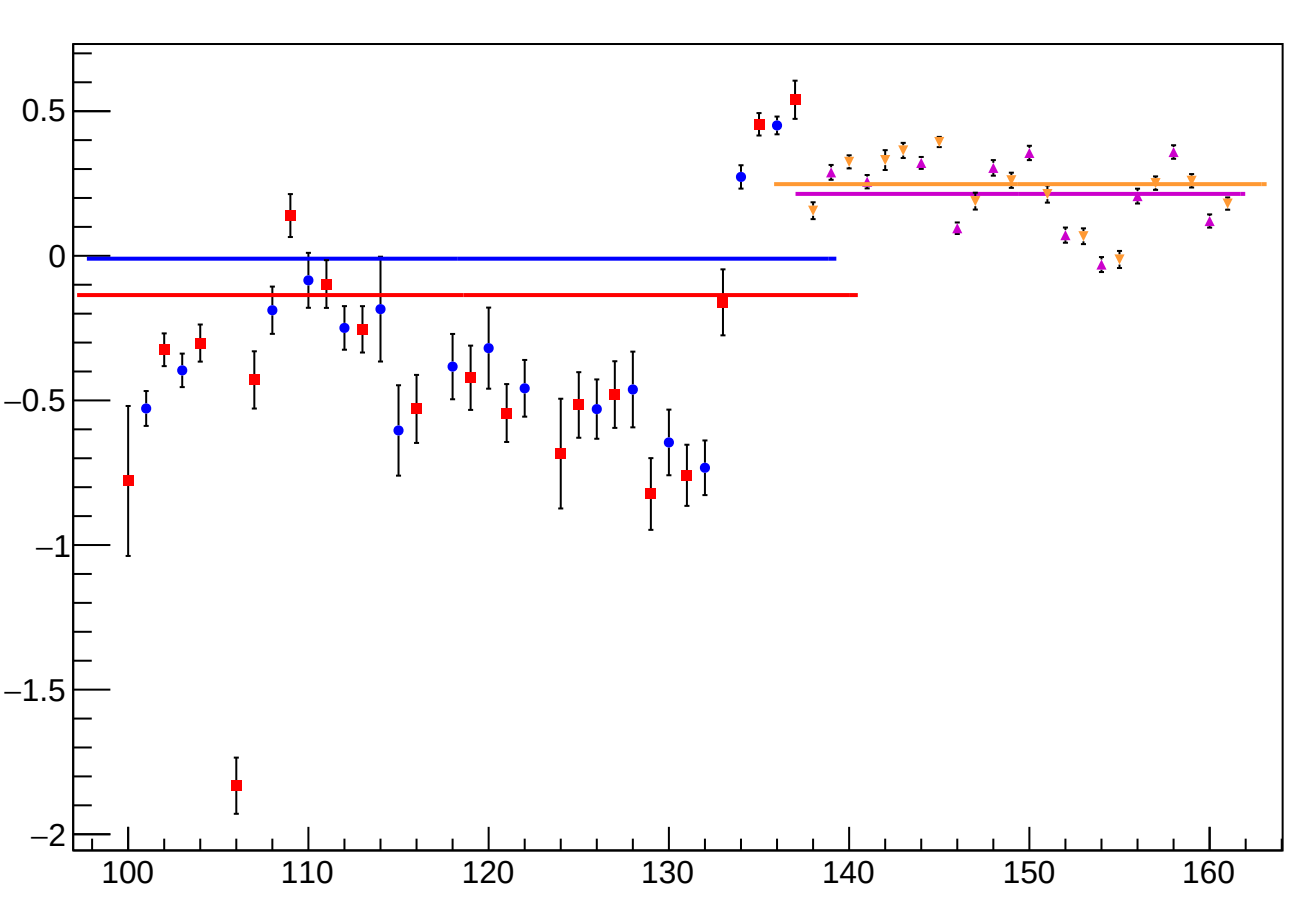
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

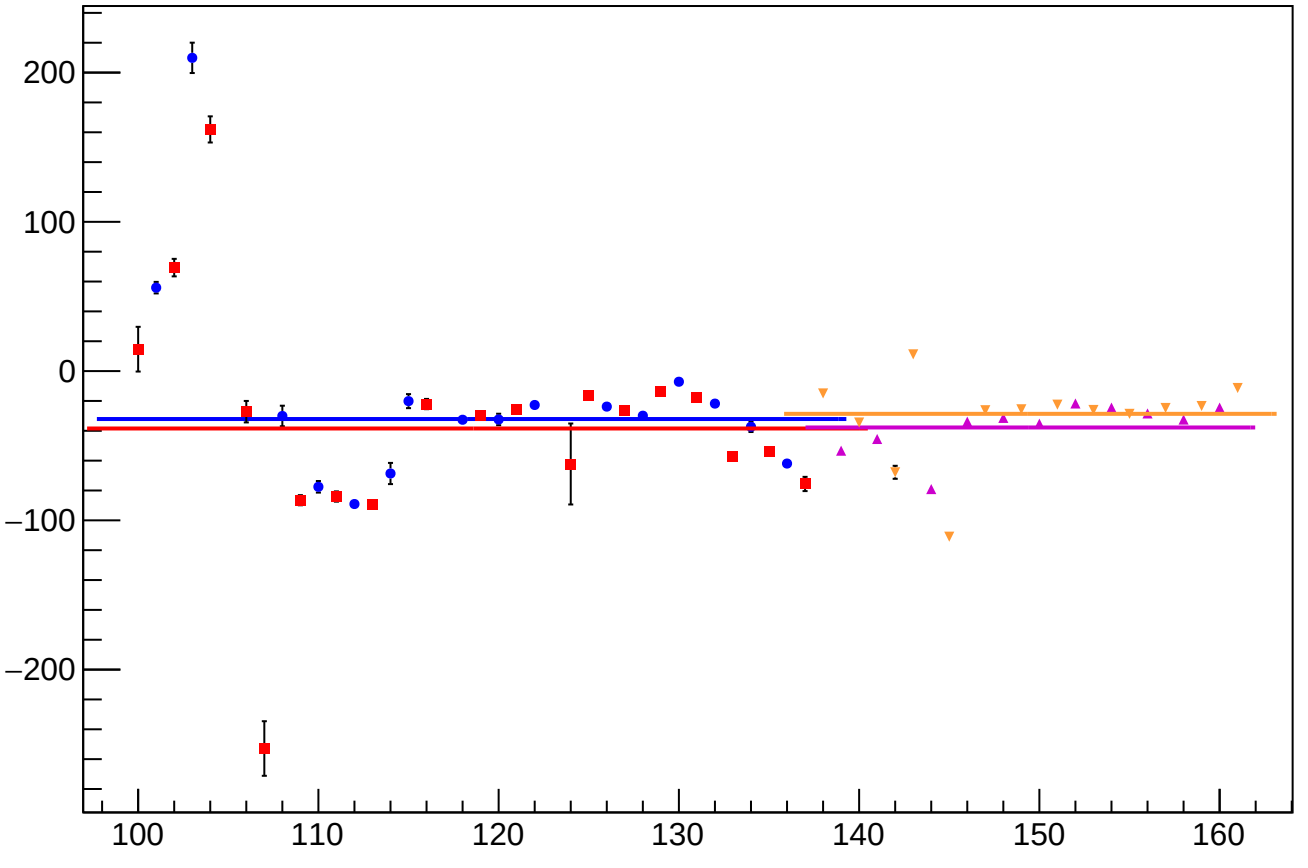
In: -54.126+/-0.158 χ^2/NDF:3803.7/26

Out: -53.583+/-0.155 χ^2/NDF:3985.2/31

All: -53.849+/-0.111 χ^2/NDF: 7794.9/58


reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 28.112+/-0.320 χ²/NDF: 3727.7/15
Left Out: 35.116+/-0.149 χ²/NDF:796.7/12
Right Out: 24.212+/-0.336 χ²/NDF: 3841.7/18
Left In: 36.170+/-0.152 χ²/NDF:238.7/10
Left: 35.629+/-0.106 χ²/NDF: 1060.0/23
Right: 26.255+/-0.232 χ²/NDF: 7640.1/34
In: 34.680+/-0.138 χ²/NDF:4483.4/26
Out: 33.329+/-0.136 χ²/NDF:5521.0/31
All: 33.996+/-0.097 χ²/NDF: 10053.3/58


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.248+/-0.007 χ²/NDF:252.9/12
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.214+/-0.007 χ²/NDF:291.3/10
Left: 0.232+/-0.005 χ²/NDF: 555.6/23
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.181+/-0.007 χ²/NDF:1021.3/26
Out: 0.202+/-0.007 χ²/NDF:1436.8/31
All: 0.192+/-0.005 χ²/NDF: 2463.1/58



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -28.643+/-0.817 χ^2/NDF:971.0/12

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -37.779+/-0.860 χ^2/NDF:321.9/10

Left: -32.980+/-0.592 χ^2/NDF: 1352.2/23

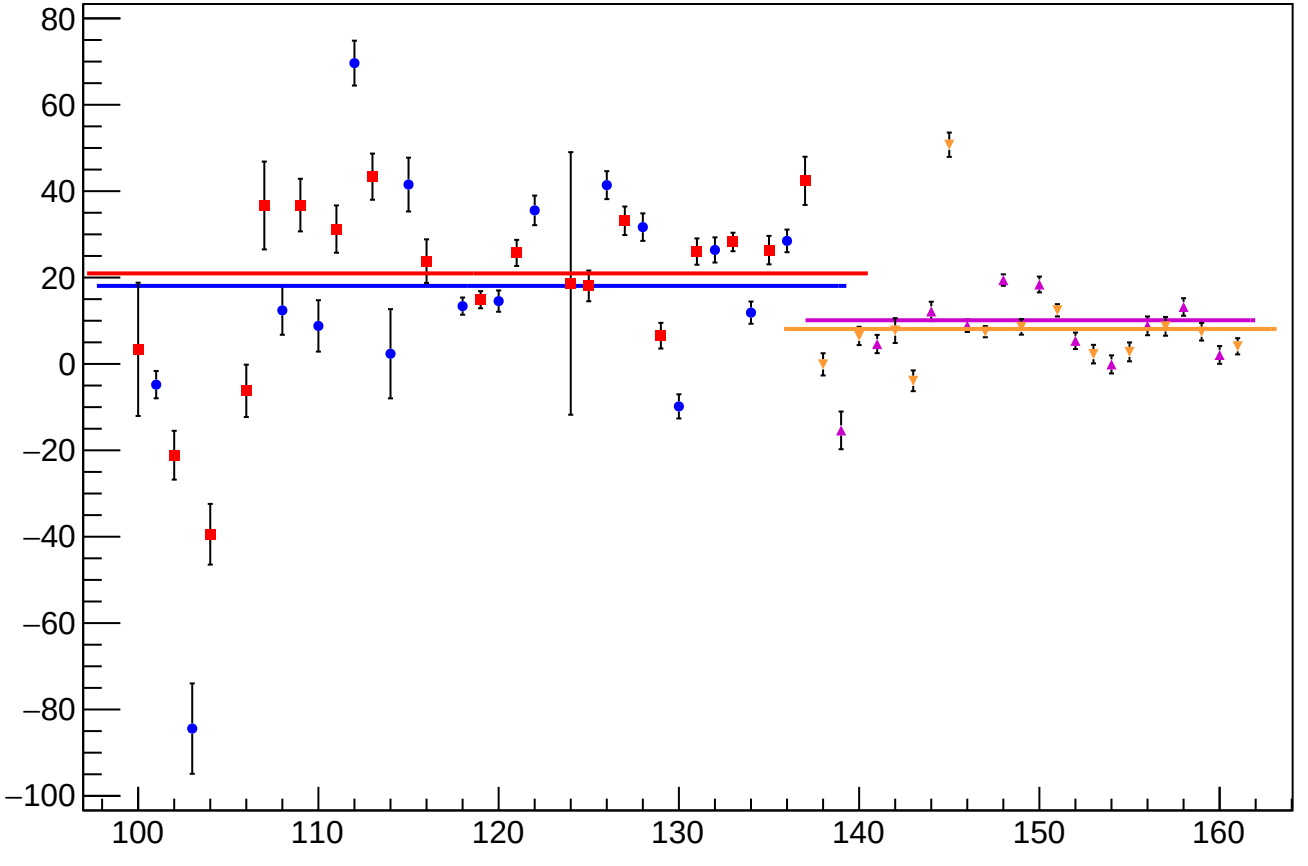
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -34.891+/-0.602 χ^2/NDF:2221.5/26

Out: -33.277+/-0.594 χ^2/NDF:3011.6/31

All: -34.074+/-0.423 χ^2/NDF: 5236.7/58

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.100+/-0.546 χ^2/NDF:292.4/12

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 10.113+/-0.577 χ^2/NDF:160.3/10

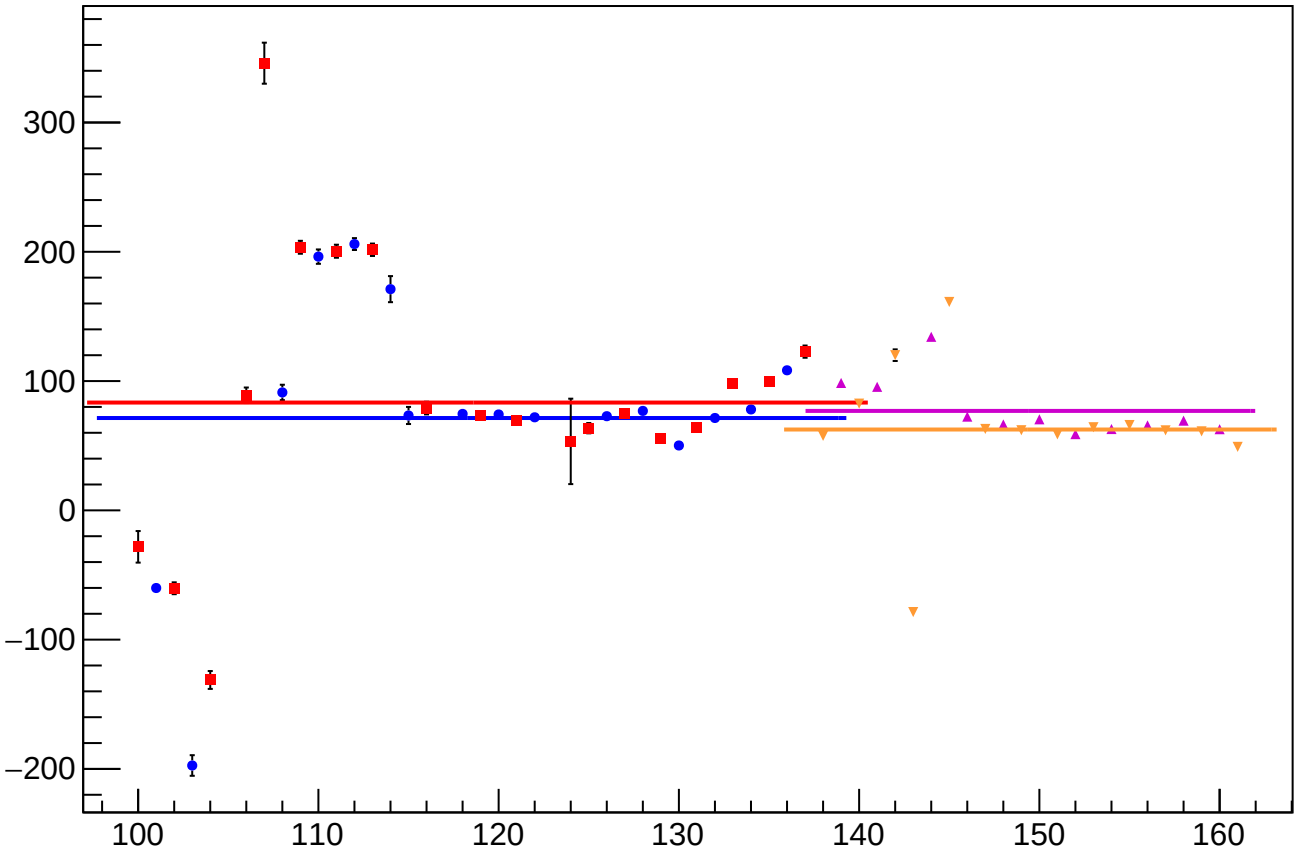
Left: 9.052+/-0.397 χ^2/NDF: 459.2/23

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 12.733+/-0.472 χ^2/NDF:722.6/26

Out: 11.745+/-0.462 χ^2/NDF:712.2/31

All: 12.229+/-0.330 χ^2/NDF: 1437.0/58



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 62.530+/-0.791 χ^2/NDF:2906.1/12

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 76.919+/-0.827 χ^2/NDF:588.1/10

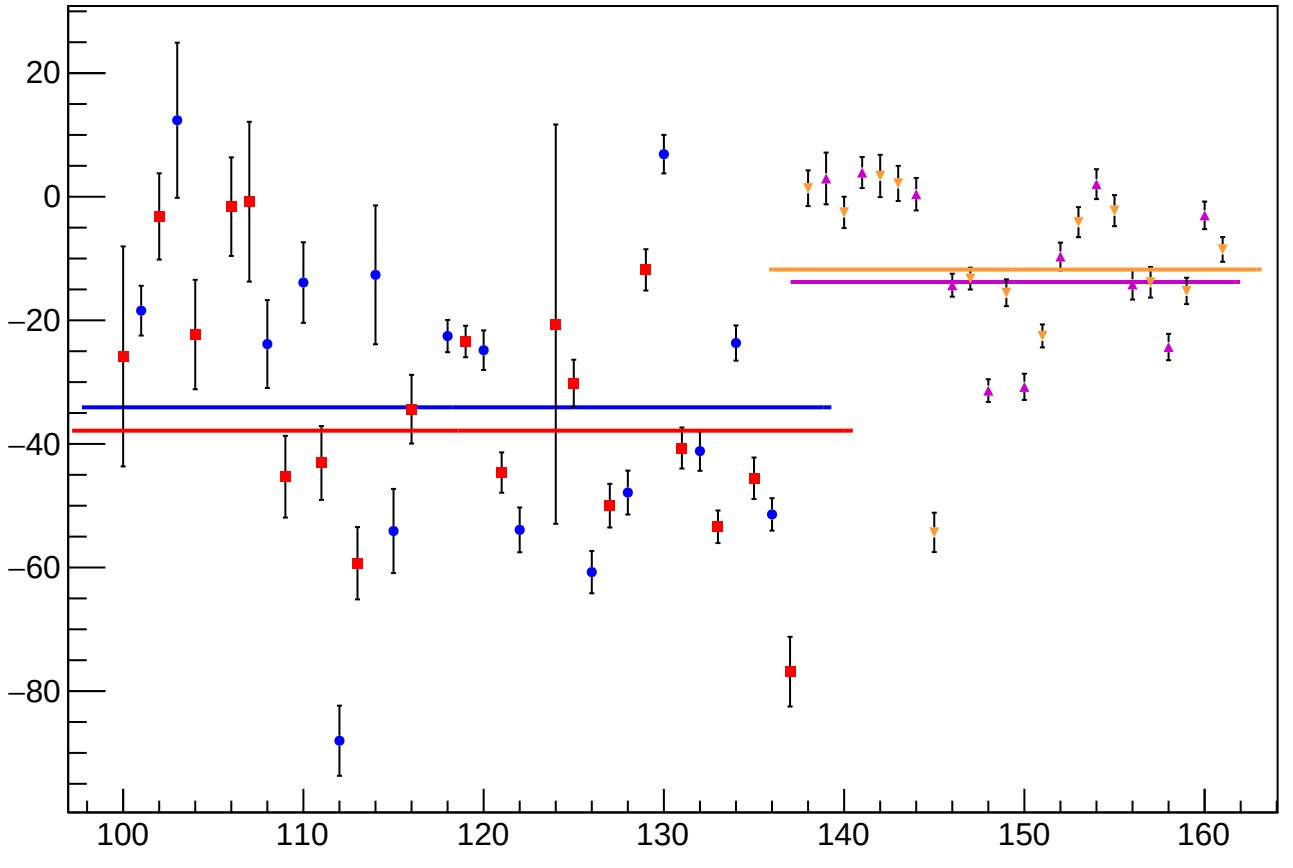
Left: 69.403+/-0.572 χ^2/NDF: 3652.1/23

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 74.493+/-0.618 χ^2/NDF:5427.2/26

Out: 70.707+/-0.617 χ^2/NDF:7475.8/31

All: 72.595+/-0.437 χ^2/NDF: 12921.7/58



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.785+/-0.650 χ^2/NDF:323.2/12

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -13.796+/-0.686 χ^2/NDF:344.8/10

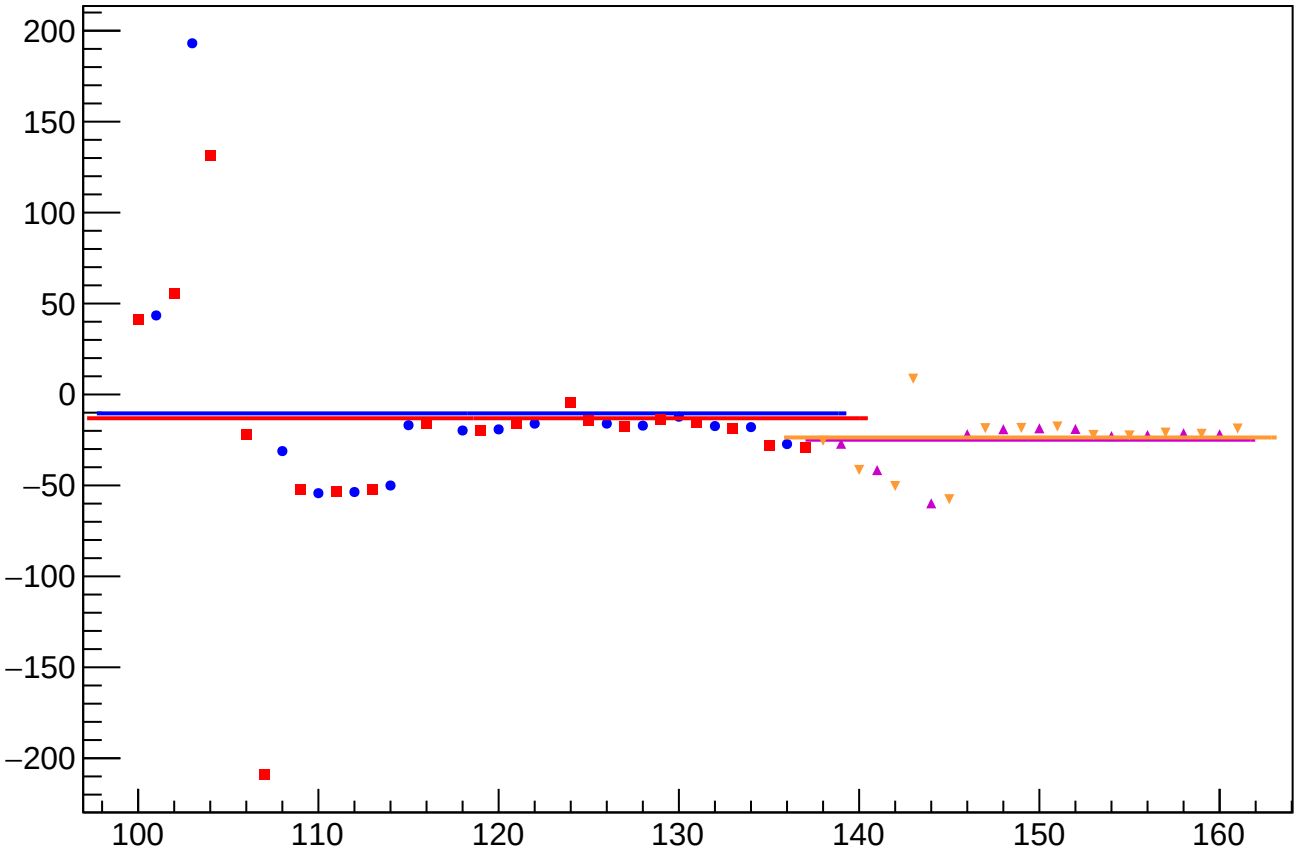
Left: -12.737+/-0.472 χ^2/NDF: 672.5/23

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -20.824+/-0.555 χ^2/NDF:1158.8/26

Out: -19.600+/-0.544 χ^2/NDF:1079.6/31

All: -20.200+/-0.388 χ^2/NDF: 2240.9/58



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -23.644+/-0.030 χ^2/NDF:179904.3/12

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -24.872+/-0.031 χ^2/NDF:96732.3/10

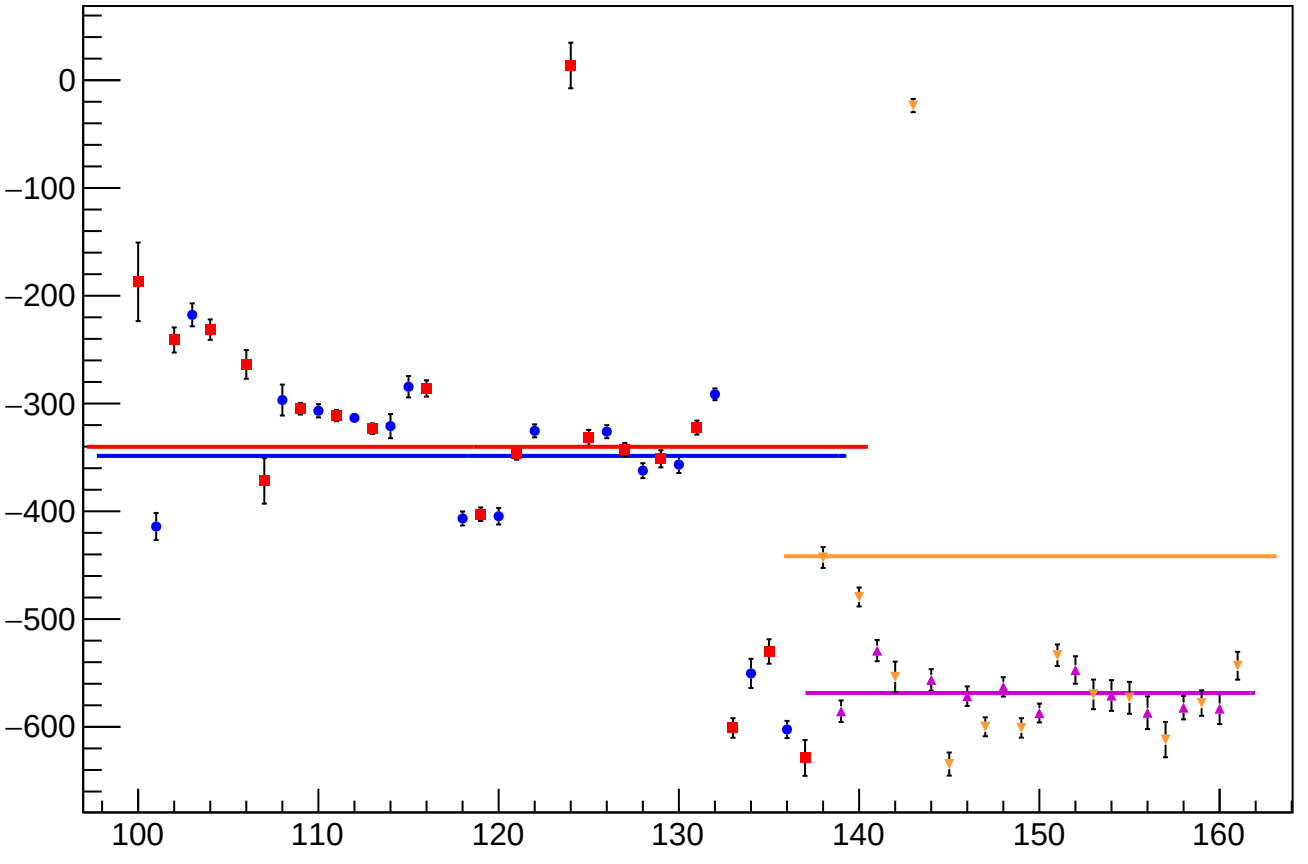
Left: -24.239+/-0.022 χ^2/NDF: 277449.0/23

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.563+/-0.027 χ^2/NDF:669103.8/26

Out: -21.672+/-0.027 χ^2/NDF:652692.3/31

All: -21.618+/-0.019 χ^2/NDF: 1321804.3/58



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -441.706+/-2.818 χ^2/NDF:6259.1/12

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -568.540+/-3.217 χ^2/NDF:32.2/10

Left: -496.764+/-2.120 χ^2/NDF: 7170.9/23

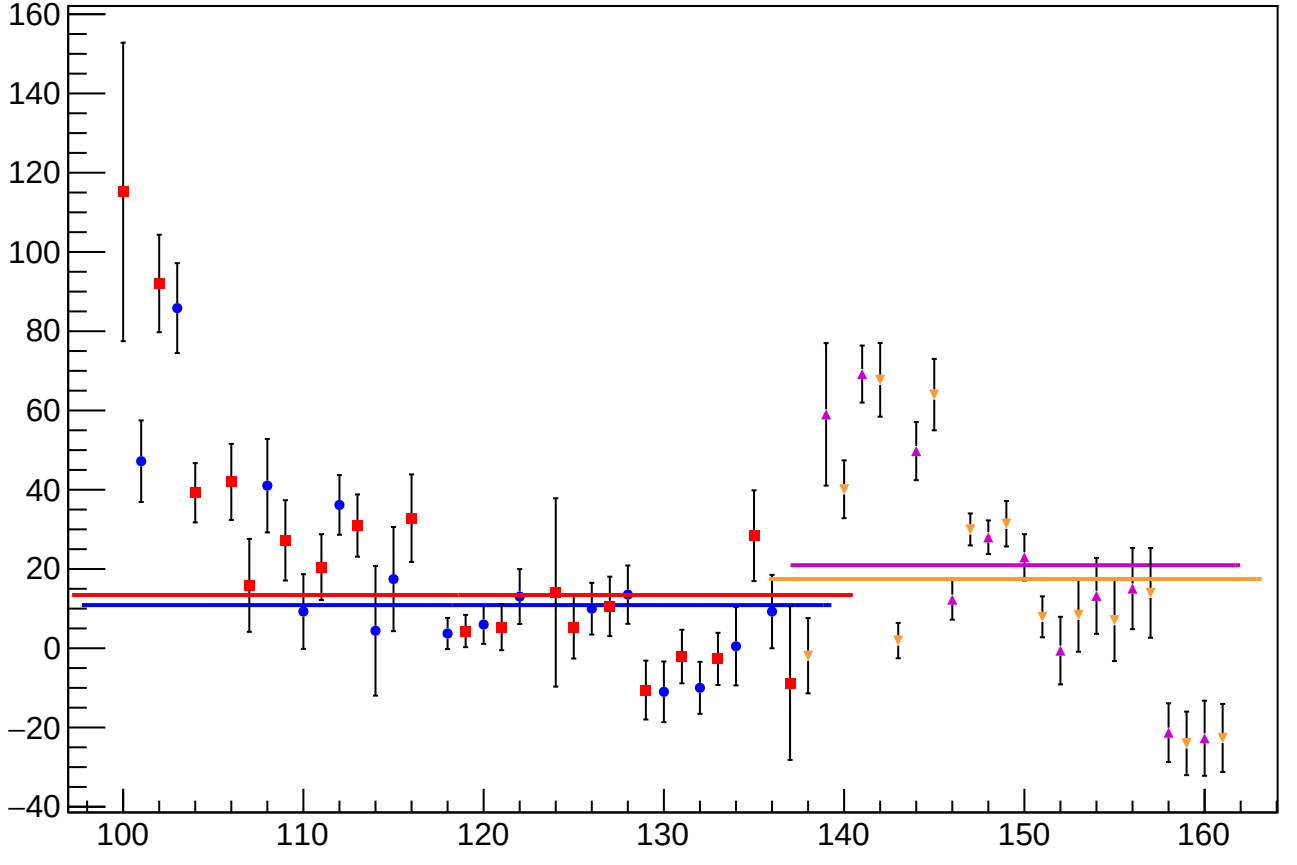
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -402.124+/-1.587 χ^2/NDF:5427.5/26

Out: -368.636+/-1.492 χ^2/NDF:9391.0/31

All: -384.350+/-1.087 χ^2/NDF: 15054.7/58

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 17.477+/-1.853 χ^2/NDF:151.3/12

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 20.952+/-2.094 χ^2/NDF:131.6/10

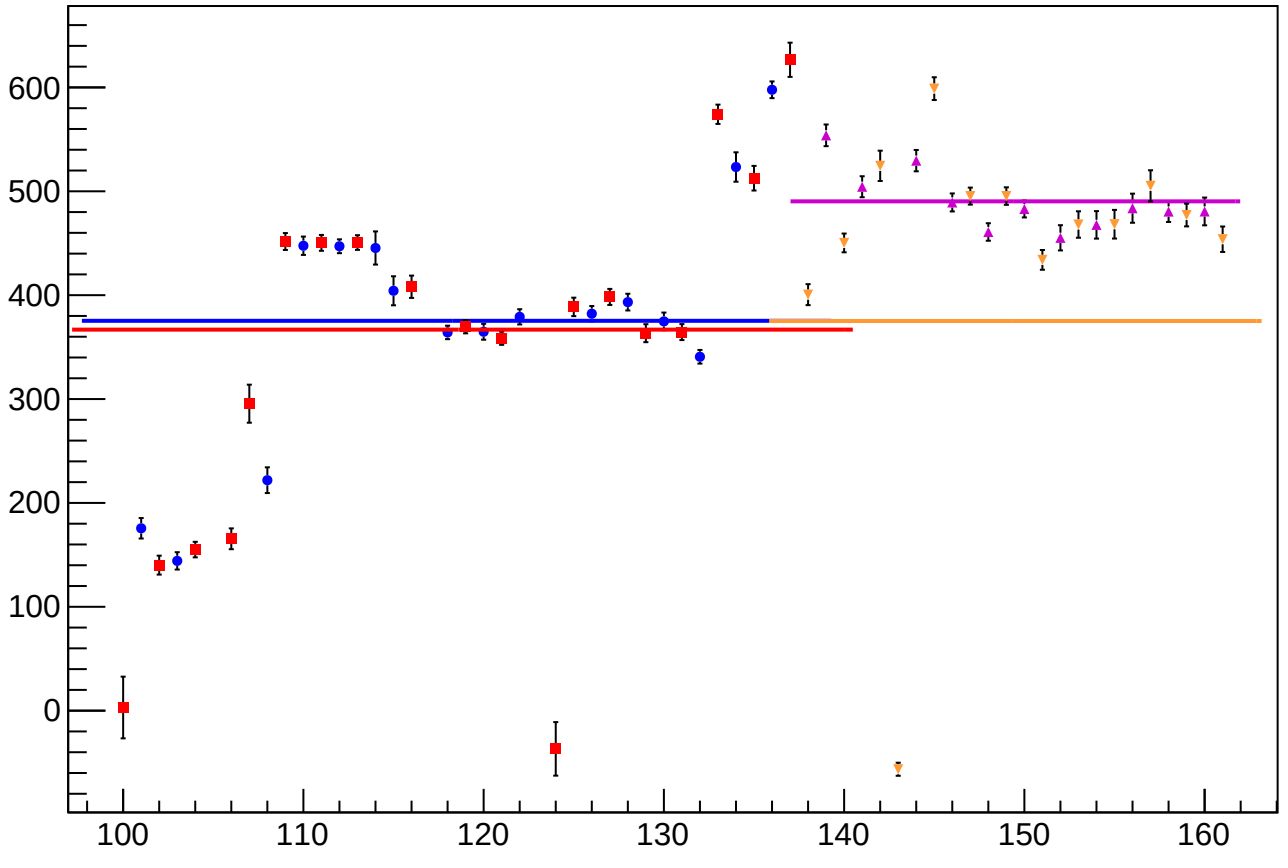
Left: 19.003+/-1.388 χ^2/NDF: 284.5/23

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 15.281+/-1.383 χ^2/NDF:242.8/26

Out: 15.453+/-1.311 χ^2/NDF:266.1/31

All: 15.372+/-0.951 χ^2/NDF: 509.0/58



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 375.146+/-2.761 χ^2/NDF:6053.6/12

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 490.329+/-3.101 χ^2/NDF:79.6/10

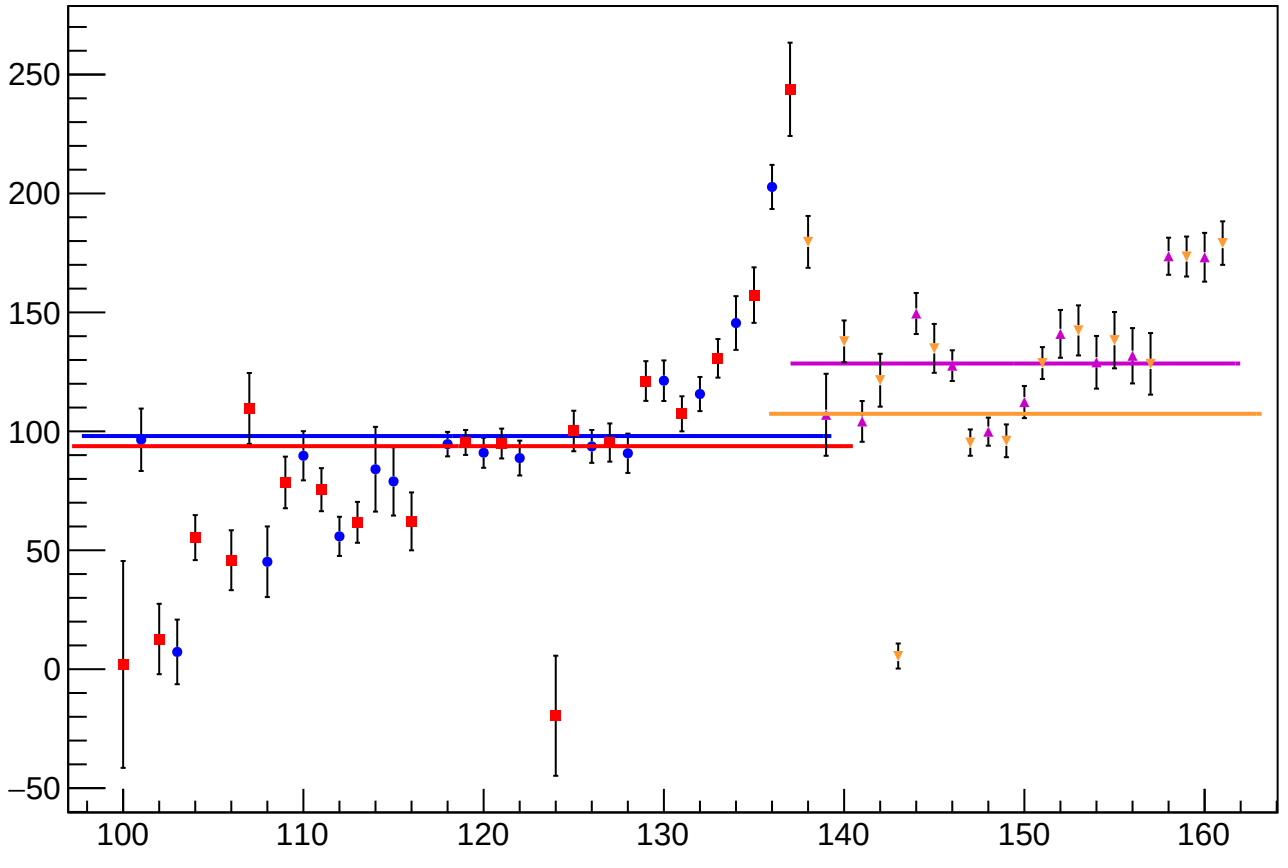
Left: 426.063+/-2.062 χ^2/NDF: 6902.8/23

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.539+/-1.740 χ^2/NDF:3471.1/26

Out: 369.784+/-1.646 χ^2/NDF:9600.6/31

All: 389.492+/-1.196 χ^2/NDF: 13375.6/58



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 107.368+/-2.240 χ^2/NDF:600.9/12

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 128.514+/-2.529 χ^2/NDF:98.9/10

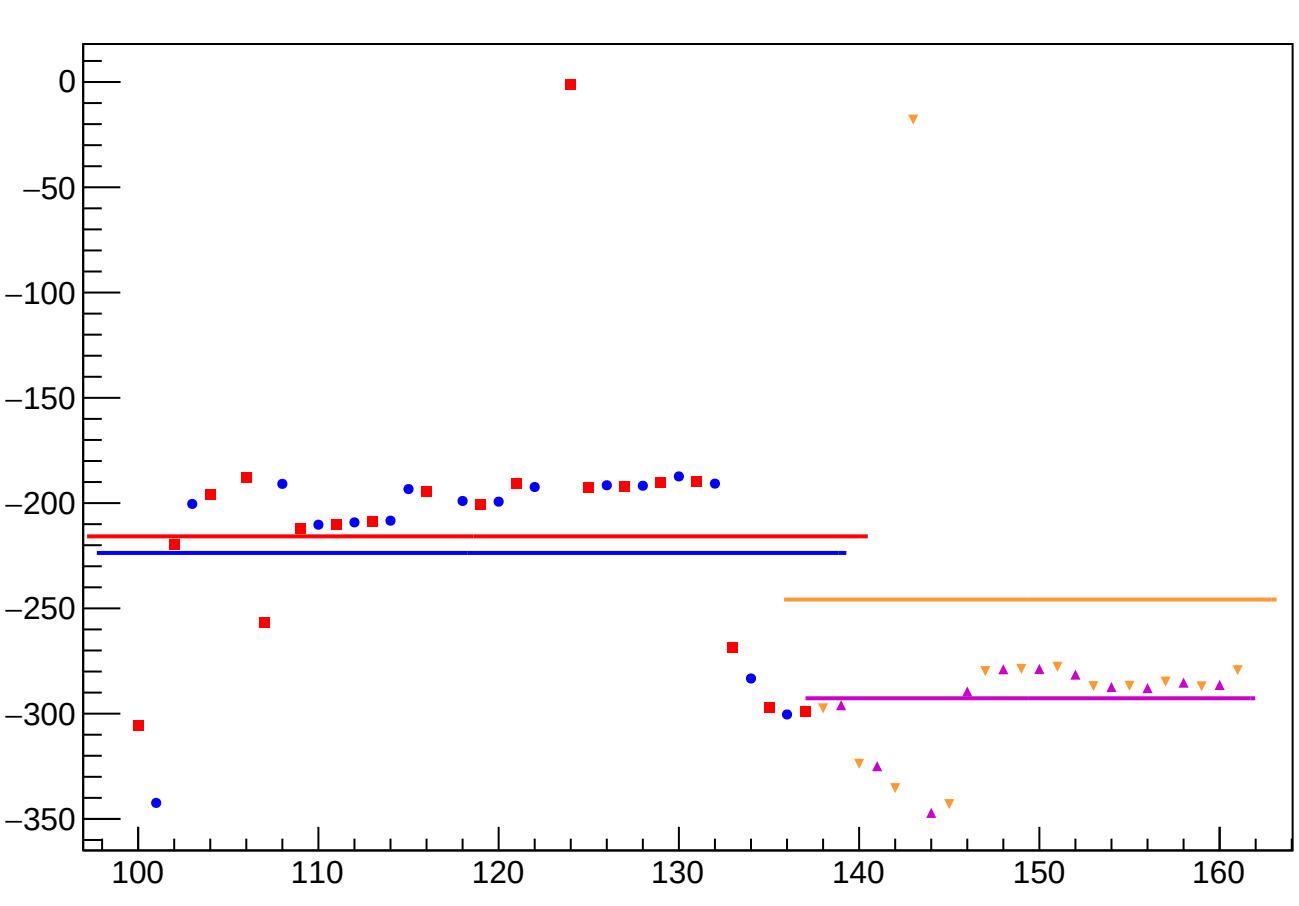
Left: 116.666+/-1.677 χ^2/NDF: 738.9/23

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 110.772+/-1.636 χ^2/NDF:432.9/26

Out: 100.253+/-1.547 χ^2/NDF:857.3/31

All: 105.220+/-1.124 χ^2/NDF: 1312.0/58



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -245.800+/-0.109 χ^2/NDF:952104.5/12

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -292.698+/-0.119 χ^2/NDF:25110.8/10

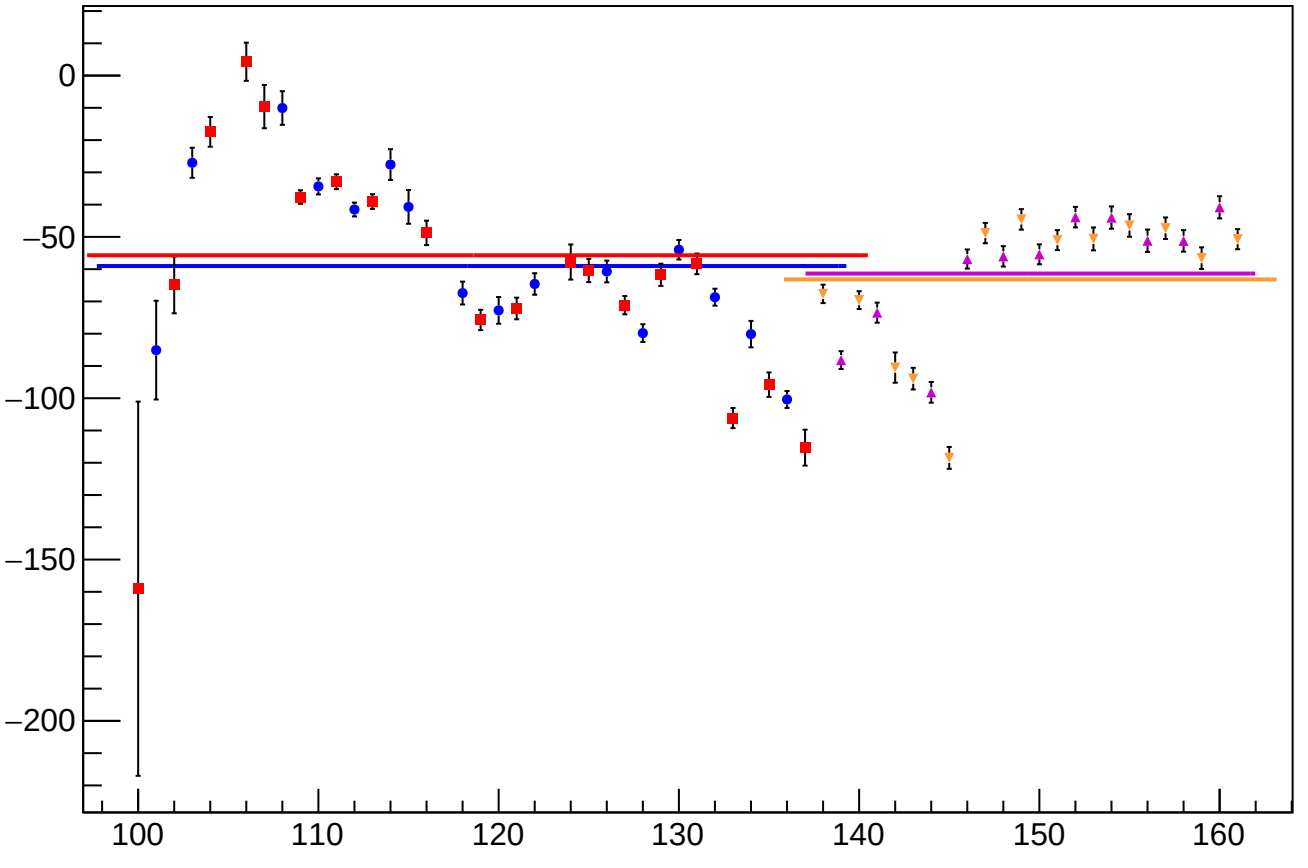
Left: -267.218+/-0.080 χ^2/NDF: 1061497.5/23

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -263.307+/-0.090 χ^2/NDF:289738.8/26

Out: -233.862+/-0.085 χ^2/NDF:1063672.6/31

All: -247.657+/-0.062 χ^2/NDF: 1410011.9/58



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -63.174+/-0.905 χ^2/NDF:540.8/12

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -61.358+/-0.957 χ^2/NDF:359.3/10

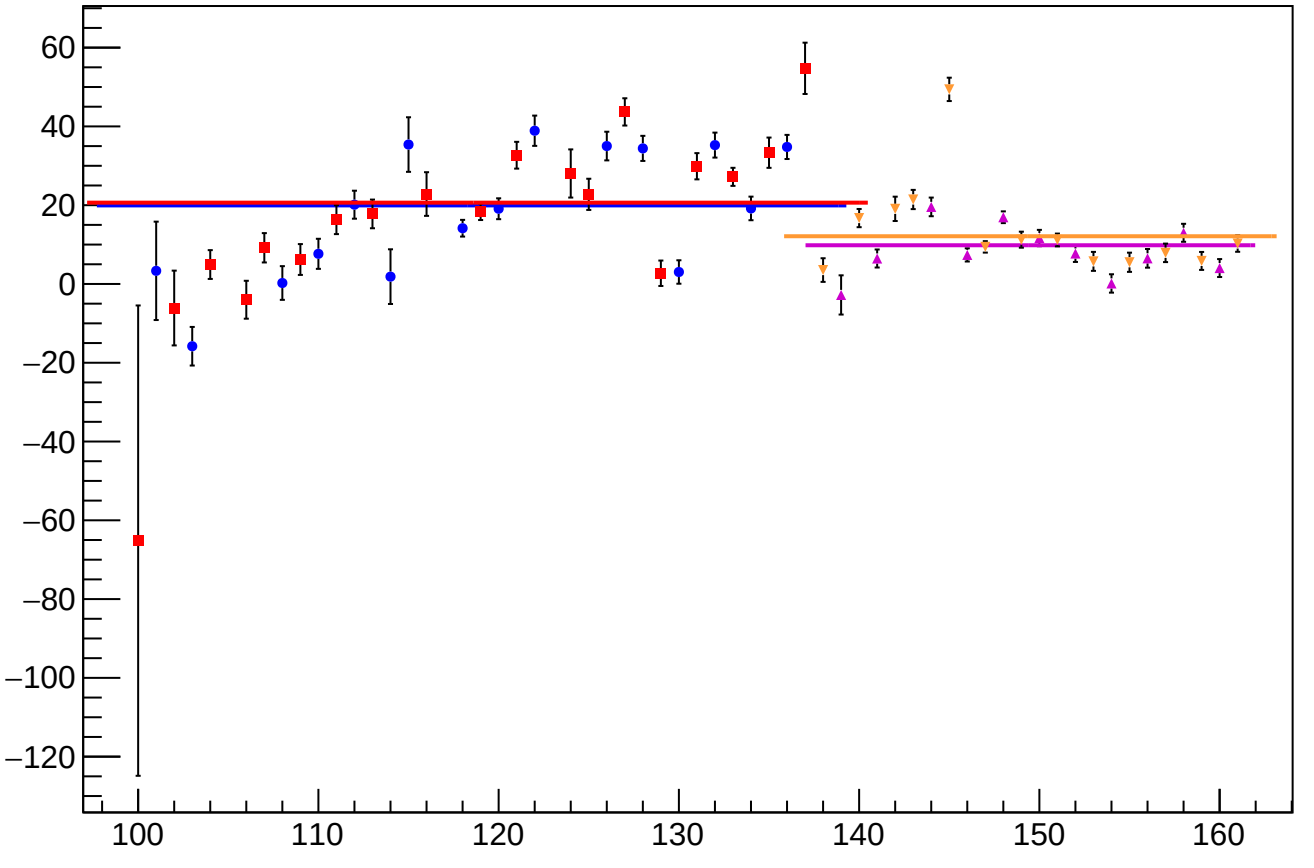
Left: -62.317+/-0.657 χ^2/NDF: 902.0/23

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -60.028+/-0.627 χ^2/NDF:1090.0/26

Out: -58.934+/-0.595 χ^2/NDF:1620.7/31

All: -59.453+/-0.432 χ^2/NDF: 2712.3/58



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.116+/-0.606 χ^2/NDF:219.9/12

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.827+/-0.644 χ^2/NDF:79.7/10

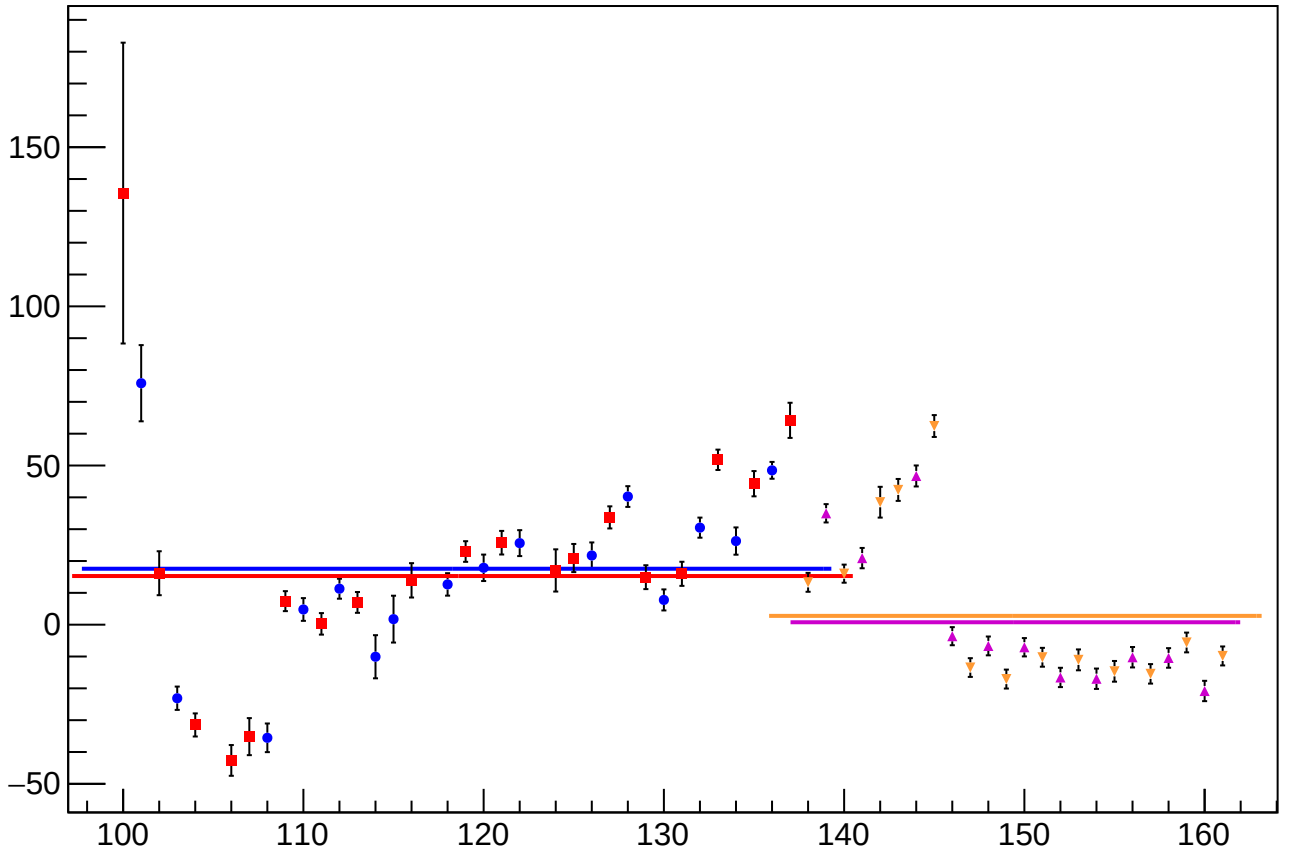
Left: 11.041+/-0.441 χ^2/NDF: 306.3/23

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.423+/-0.517 χ^2/NDF:414.6/26

Out: 15.020+/-0.492 χ^2/NDF:512.0/31

All: 14.261+/-0.357 χ^2/NDF: 931.6/58



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.765+/-0.876 χ^2/NDF:723.4/12

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 0.760+/-0.922 χ^2/NDF:525.5/10

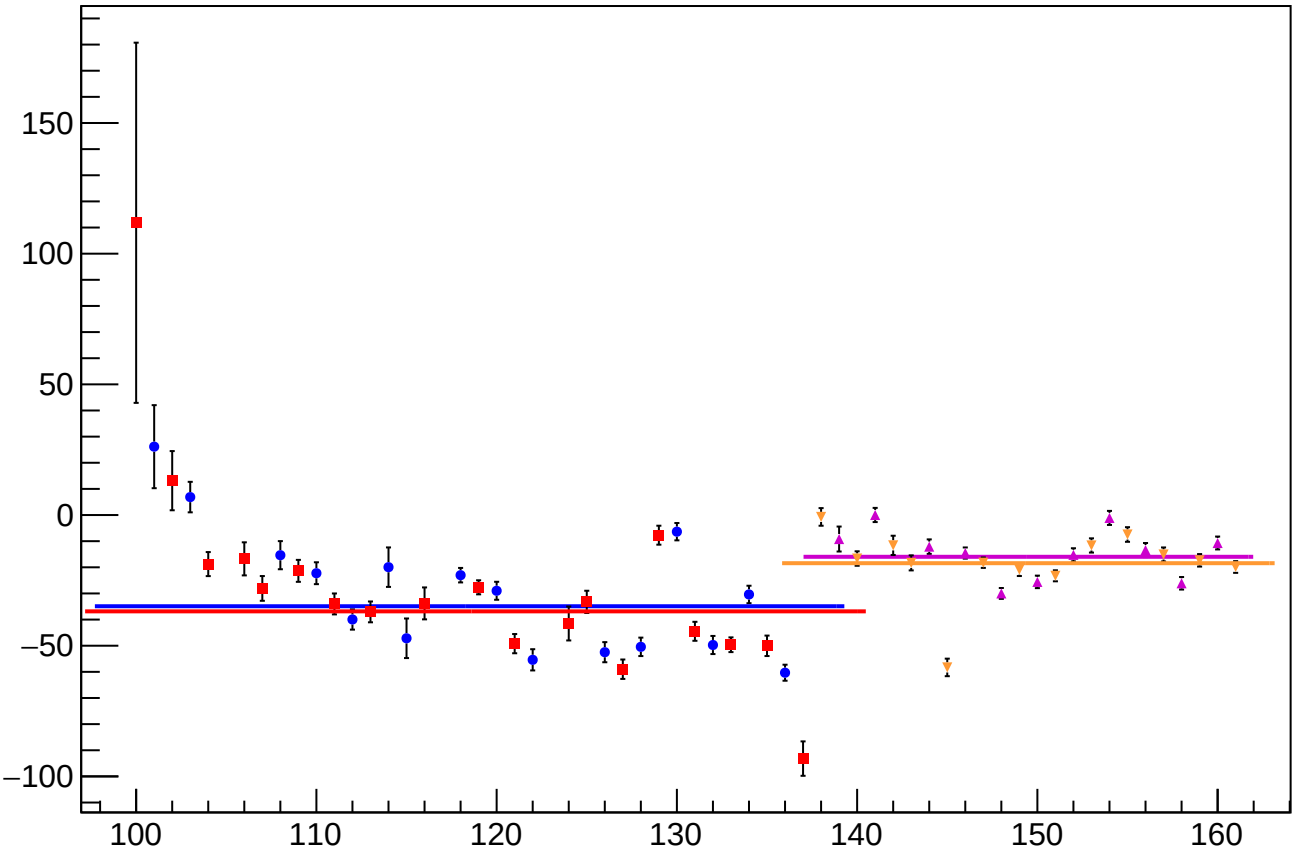
Left: 1.813+/-0.635 χ^2/NDF: 1251.4/23

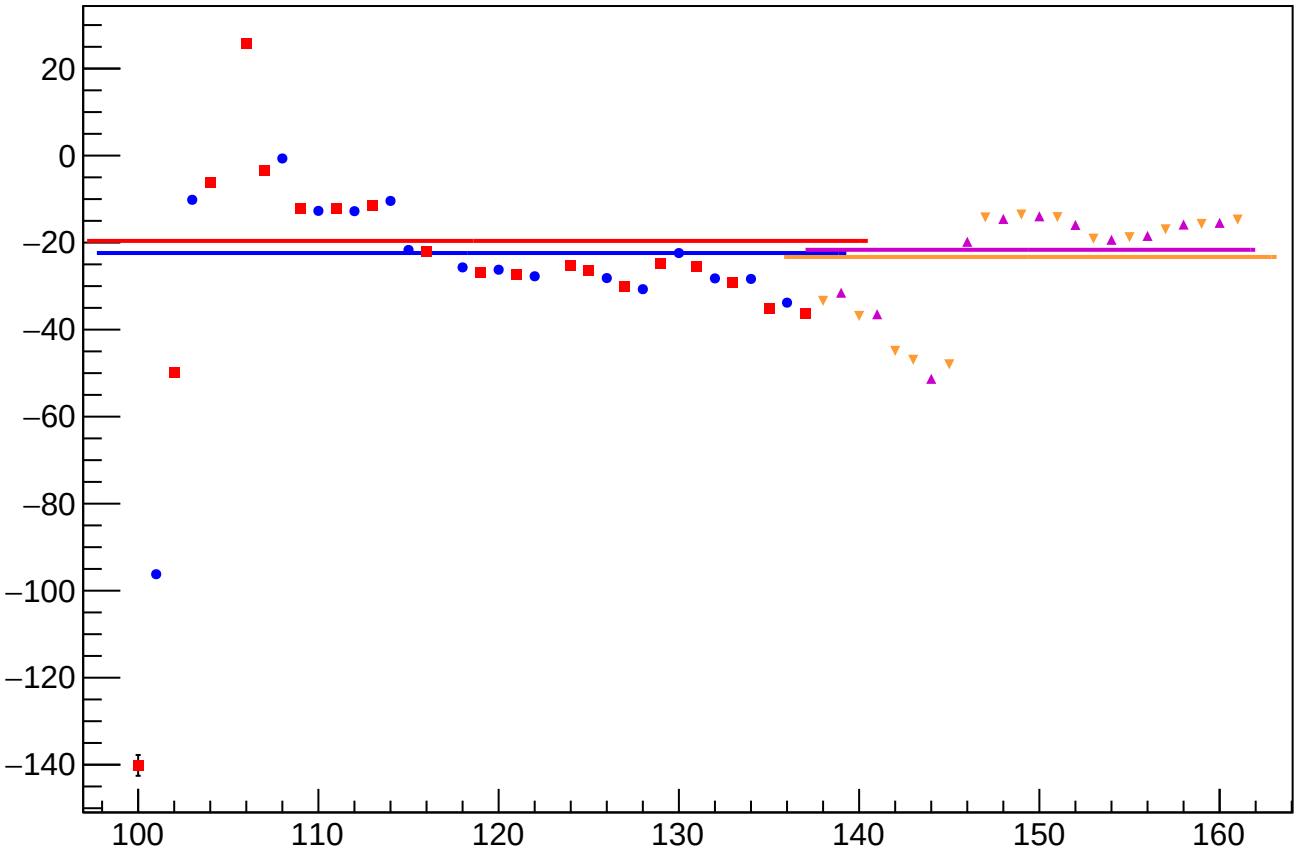
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 8.856+/-0.664 χ^2/NDF:1231.9/26

Out: 8.627+/-0.639 χ^2/NDF:1549.0/31

All: 8.737+/-0.460 χ^2/NDF: 2780.9/58


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -18.425+/-0.721 χ²/NDF:202.8/12
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -15.977+/-0.765 χ²/NDF:155.0/10
Left: -17.273+/-0.525 χ²/NDF: 363.2/23
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -23.048+/-0.605 χ²/NDF:730.3/26
Out: -24.990+/-0.579 χ²/NDF:736.8/31
All: -24.063+/-0.418 χ²/NDF: 1472.5/58



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -23.298+/-0.033 χ^2/NDF:127689.4/12

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -21.654+/-0.034 χ^2/NDF:80746.7/10

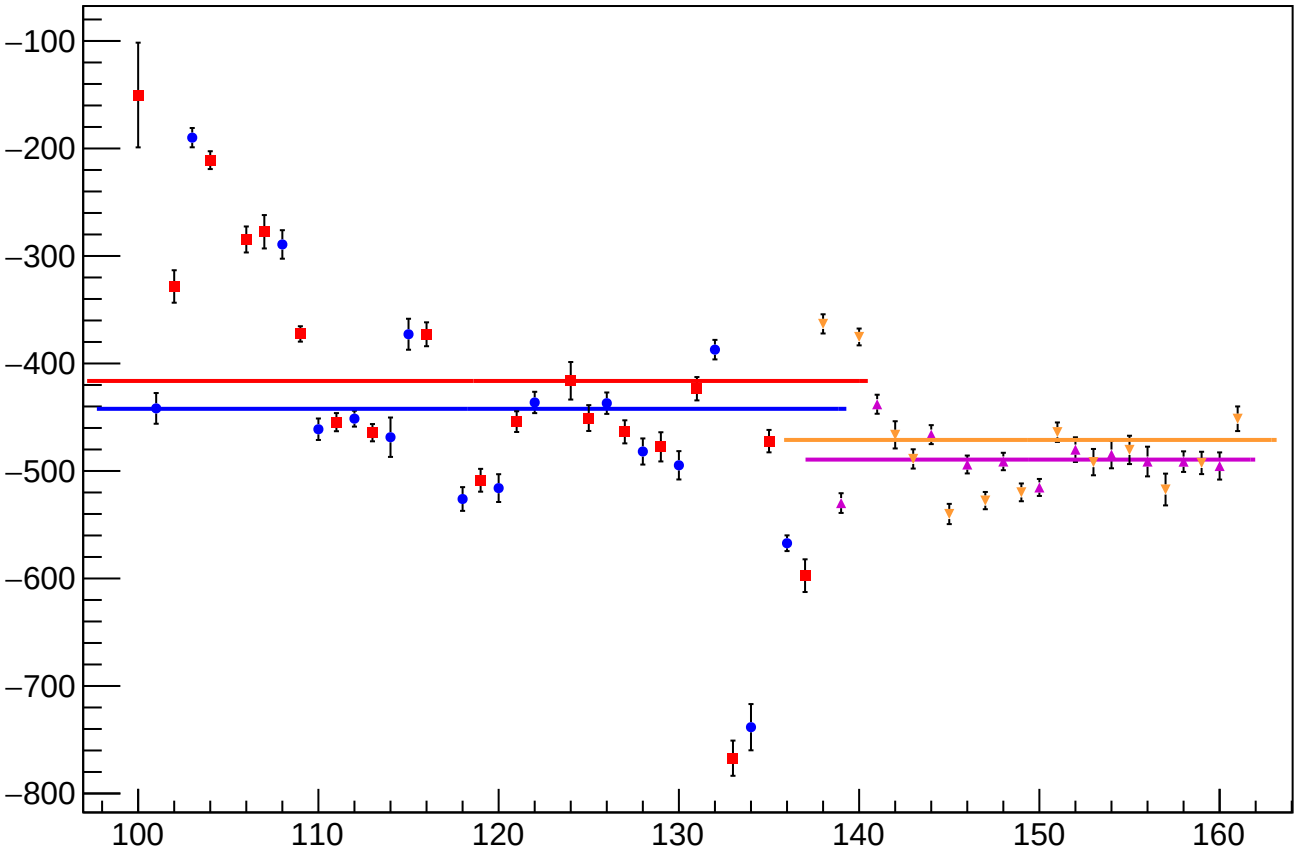
Left: -22.506+/-0.024 χ^2/NDF: 209615.3/23

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.845+/-0.030 χ^2/NDF:127385.9/26

Out: -22.419+/-0.029 χ^2/NDF:214494.6/31

All: -22.139+/-0.021 χ^2/NDF: 342071.6/58



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -471.120+/-2.721 χ^2/NDF:458.7/12

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -489.420+/-2.895 χ^2/NDF:72.4/10

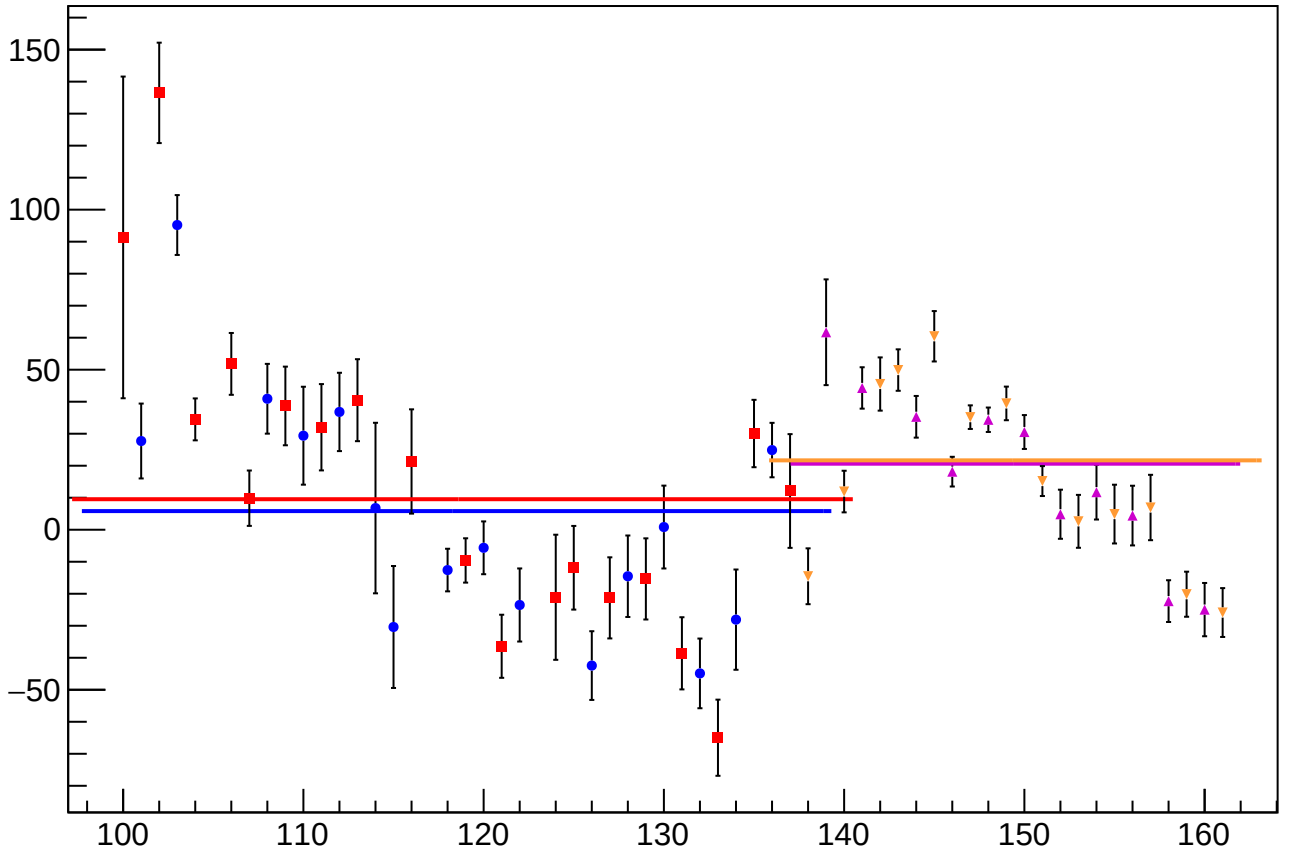
Left: -479.703+/-1.983 χ^2/NDF: 552.3/23

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -463.998+/-1.967 χ^2/NDF:1804.7/26

Out: -441.619+/-1.850 χ^2/NDF:2431.2/31

All: -452.120+/-1.348 χ^2/NDF: 4304.6/58



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 21.674+/-1.767 χ^2/NDF:182.5/12

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 20.633+/-1.883 χ^2/NDF:123.0/10

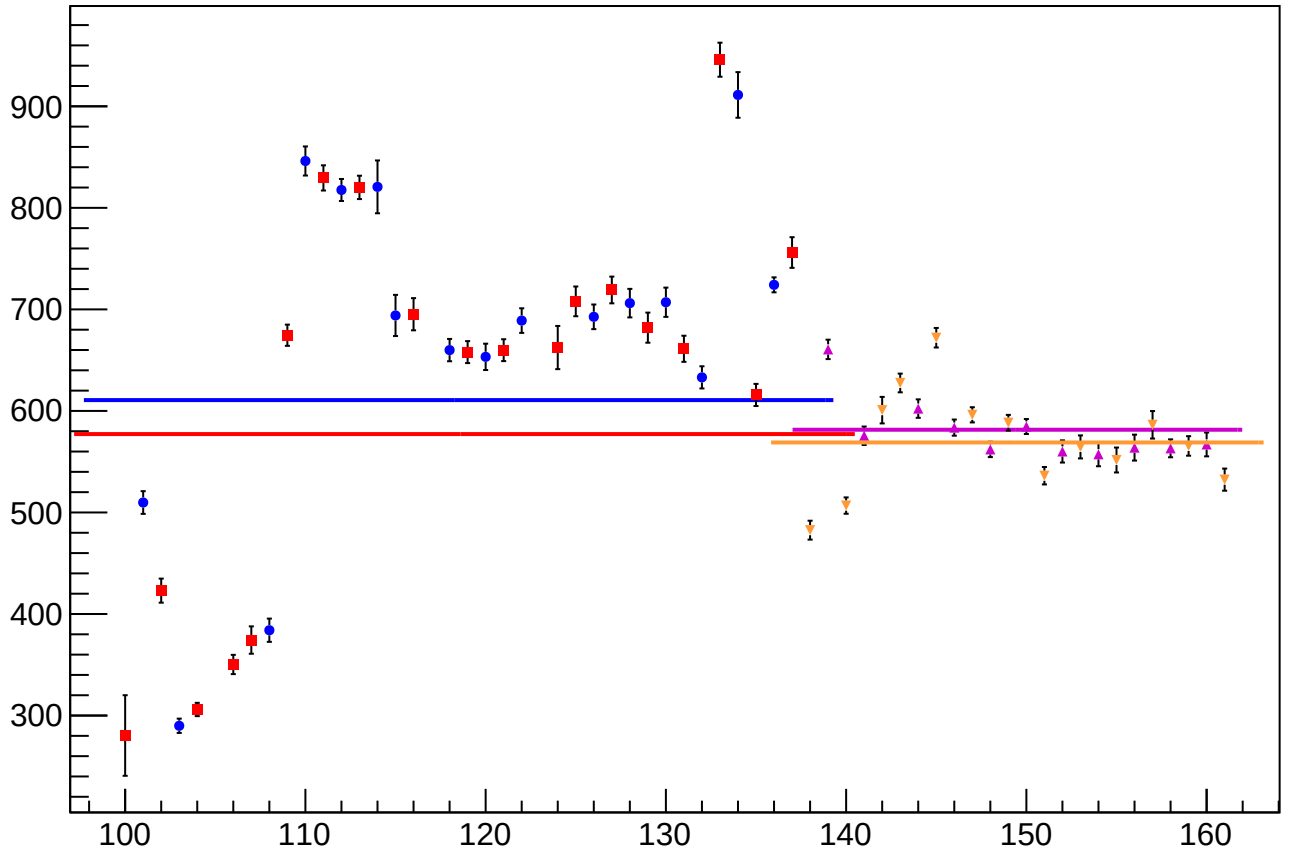
Left: 21.187+/-1.289 χ^2/NDF: 305.7/23

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 15.854+/-1.550 χ^2/NDF:331.1/26

Out: 17.749+/-1.454 χ^2/NDF:419.9/31

All: 16.862+/-1.060 χ^2/NDF: 751.8/58



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 568.941+/-2.648 χ^2/NDF:356.0/12

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 581.479+/-2.790 χ^2/NDF:96.6/10

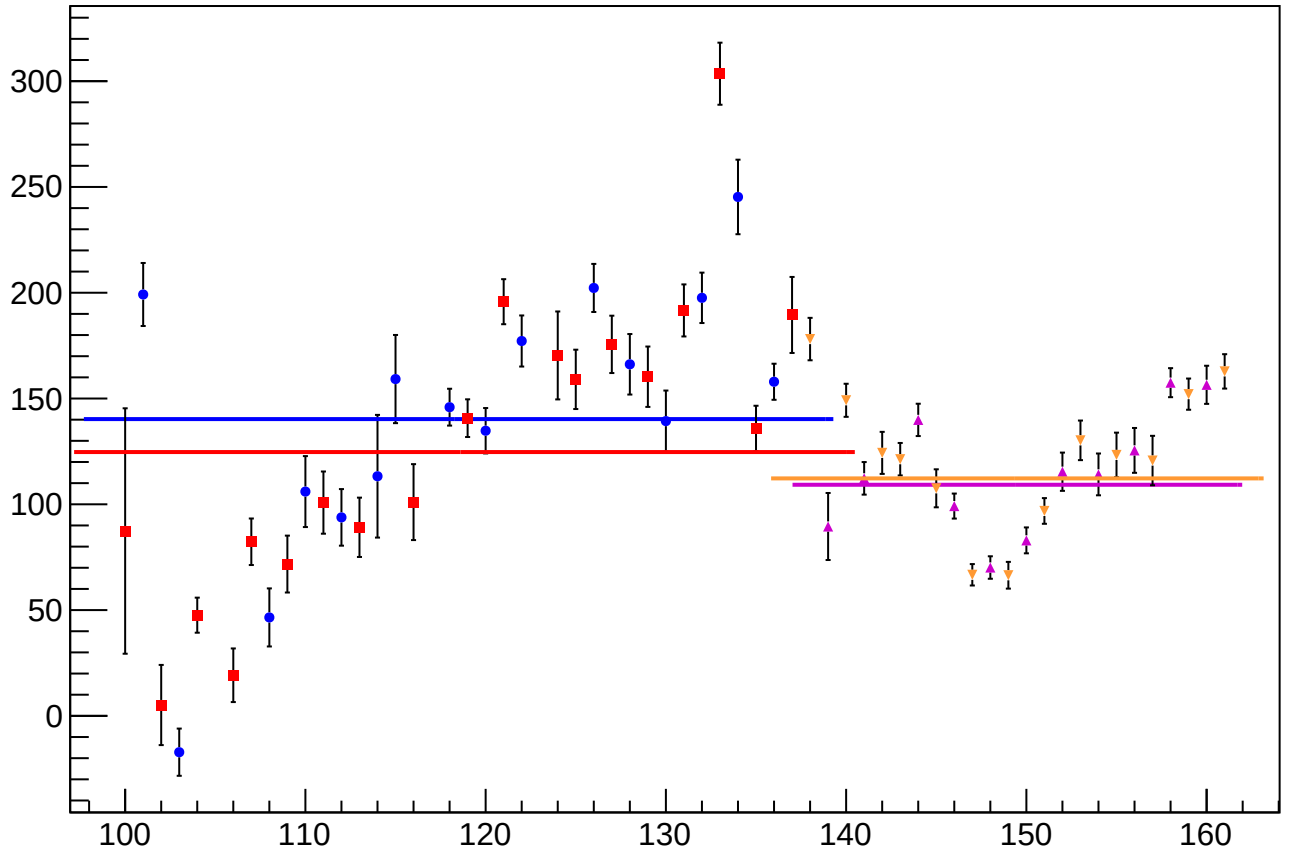
Left: 574.882+/-1.921 χ^2/NDF: 463.2/23

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 595.548+/-2.008 χ^2/NDF:4041.9/26

Out: 572.909+/-1.909 χ^2/NDF:5160.9/31

All: 583.656+/-1.384 χ^2/NDF: 9269.7/58



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 112.242+/-2.140 χ^2/NDF:281.7/12

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 109.236+/-2.273 χ^2/NDF:173.4/10

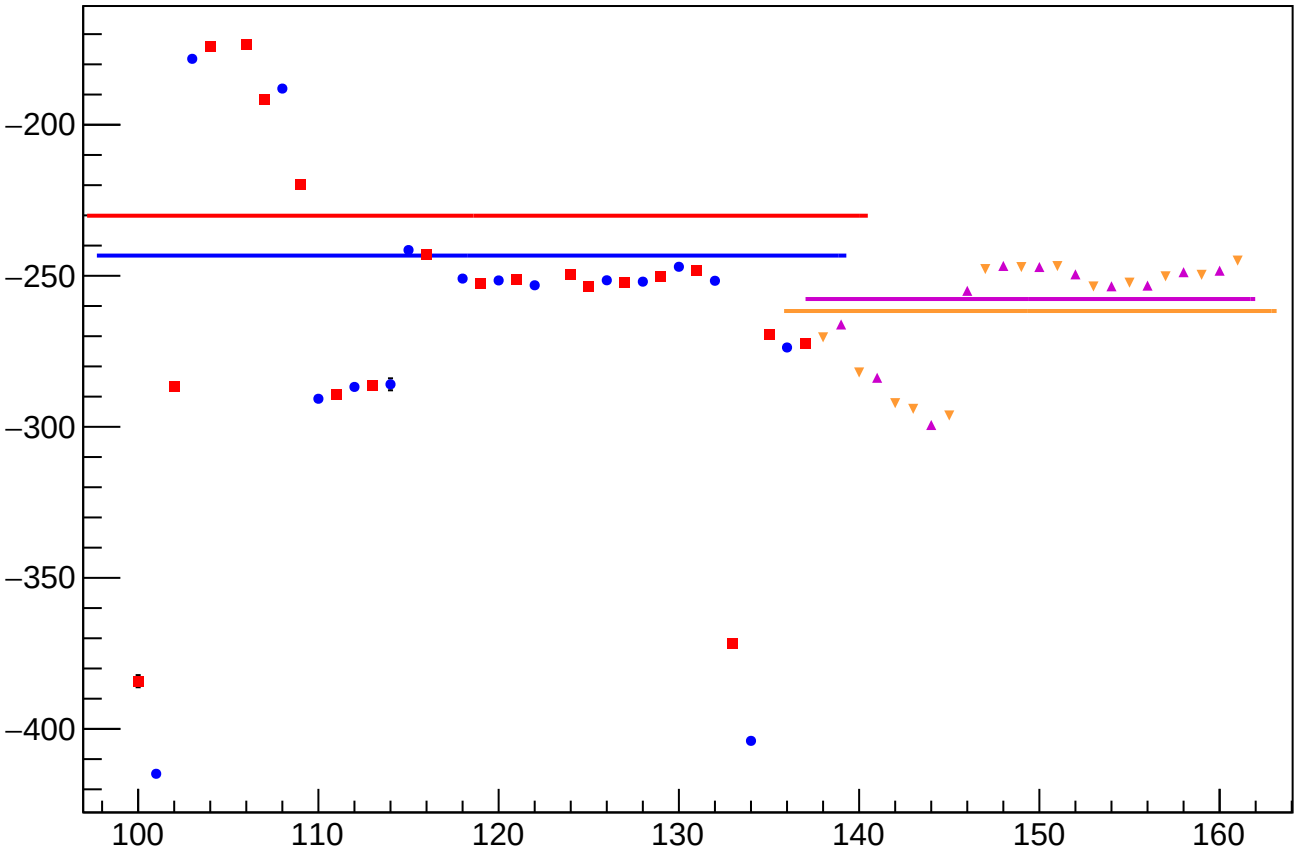
Left: 110.829+/-1.558 χ^2/NDF: 456.0/23

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 119.857+/-1.843 χ^2/NDF:622.6/26

Out: 116.484+/-1.738 χ^2/NDF:801.7/31

All: 118.071+/-1.265 χ^2/NDF: 1426.1/58



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -261.660+/-0.104 χ^2/NDF:32776.8/12

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -257.689+/-0.107 χ^2/NDF:20596.7/10

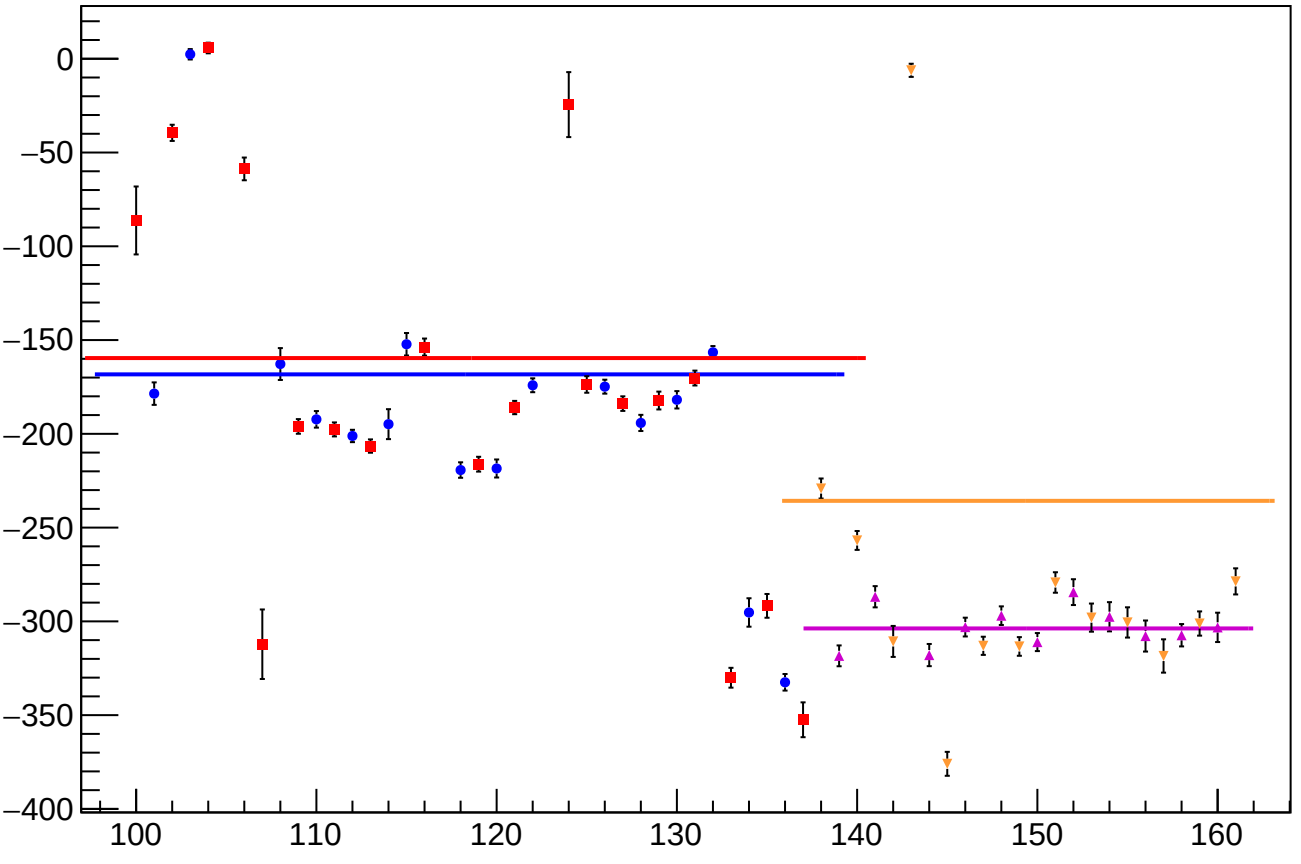
Left: -259.733+/-0.075 χ^2/NDF: 54081.5/23

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -253.335+/-0.089 χ^2/NDF:199544.7/26

Out: -252.075+/-0.087 χ^2/NDF:163213.6/31

All: -252.686+/-0.062 χ^2/NDF: 362860.7/58



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -235.732+/-1.578 χ^2/NDF:5785.5/12

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -303.770+/-1.789 χ^2/NDF:34.9/10

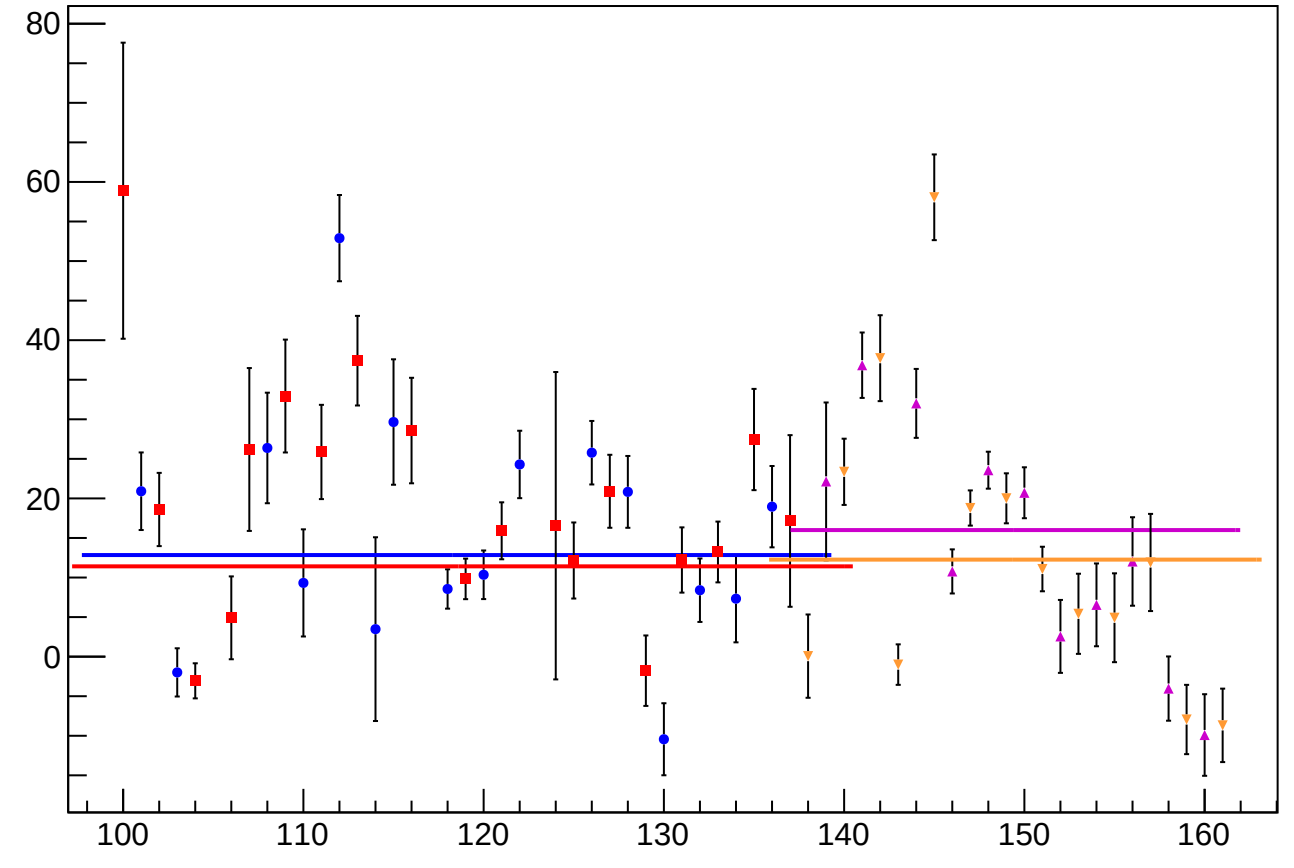
Left: -265.505+/-1.183 χ^2/NDF: 6634.3/23

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -204.282+/-0.922 χ^2/NDF:10156.0/26

Out: -182.735+/-0.870 χ^2/NDF:14604.4/31

All: -192.881+/-0.633 χ^2/NDF: 25049.5/58



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 12.264+/-1.033 χ^2/NDF:192.7/12

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 15.999+/-1.160 χ^2/NDF:117.3/10

Left: 13.916+/-0.771 χ^2/NDF: 315.8/23

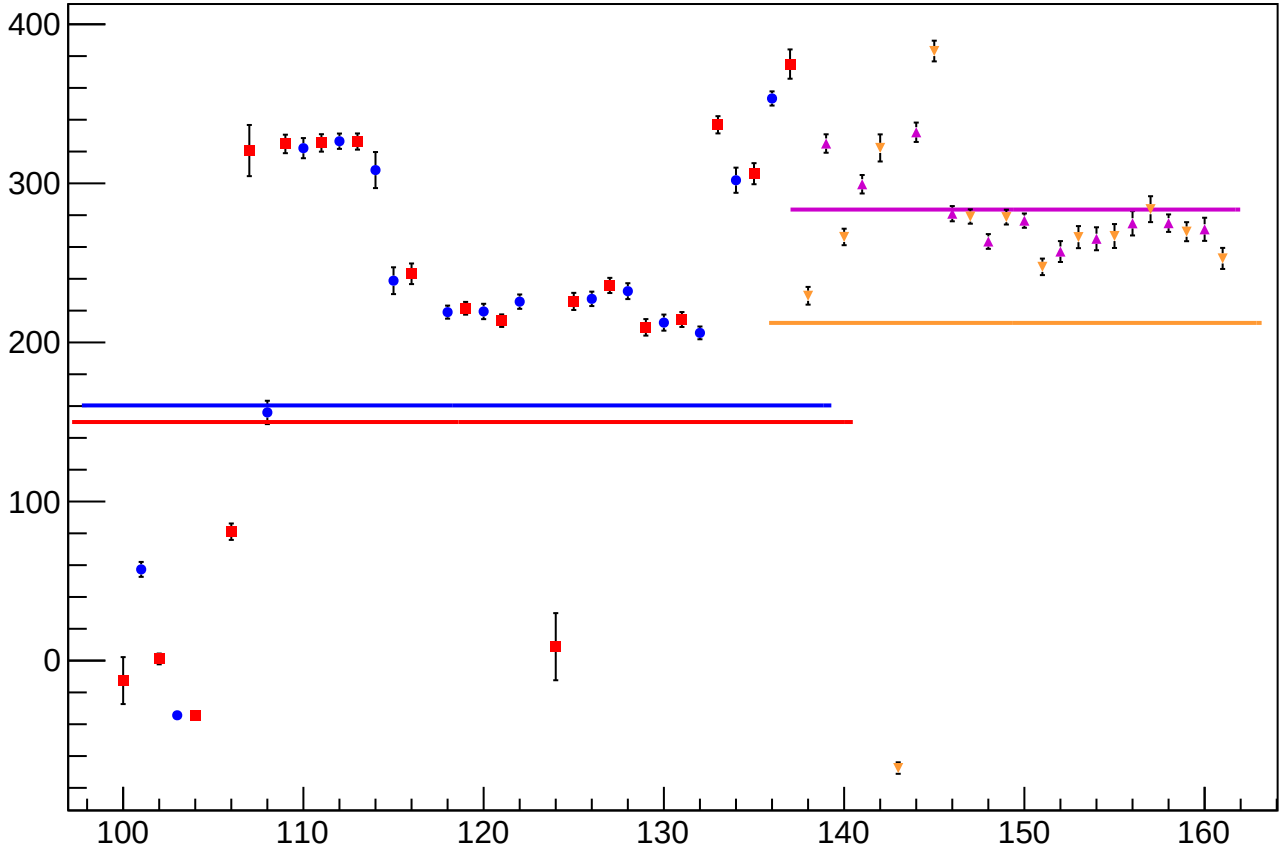
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.303+/-0.789 χ^2/NDF:265.0/26

Out: 11.840+/-0.731 χ^2/NDF:312.6/31

All: 12.978+/-0.536 χ^2/NDF: 582.8/58

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 212.280+/-1.542 χ^2/NDF:7773.2/12

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 283.528+/-1.721 χ^2/NDF:173.1/10

Left: 244.008+/-1.149 χ^2/NDF: 8896.6/23

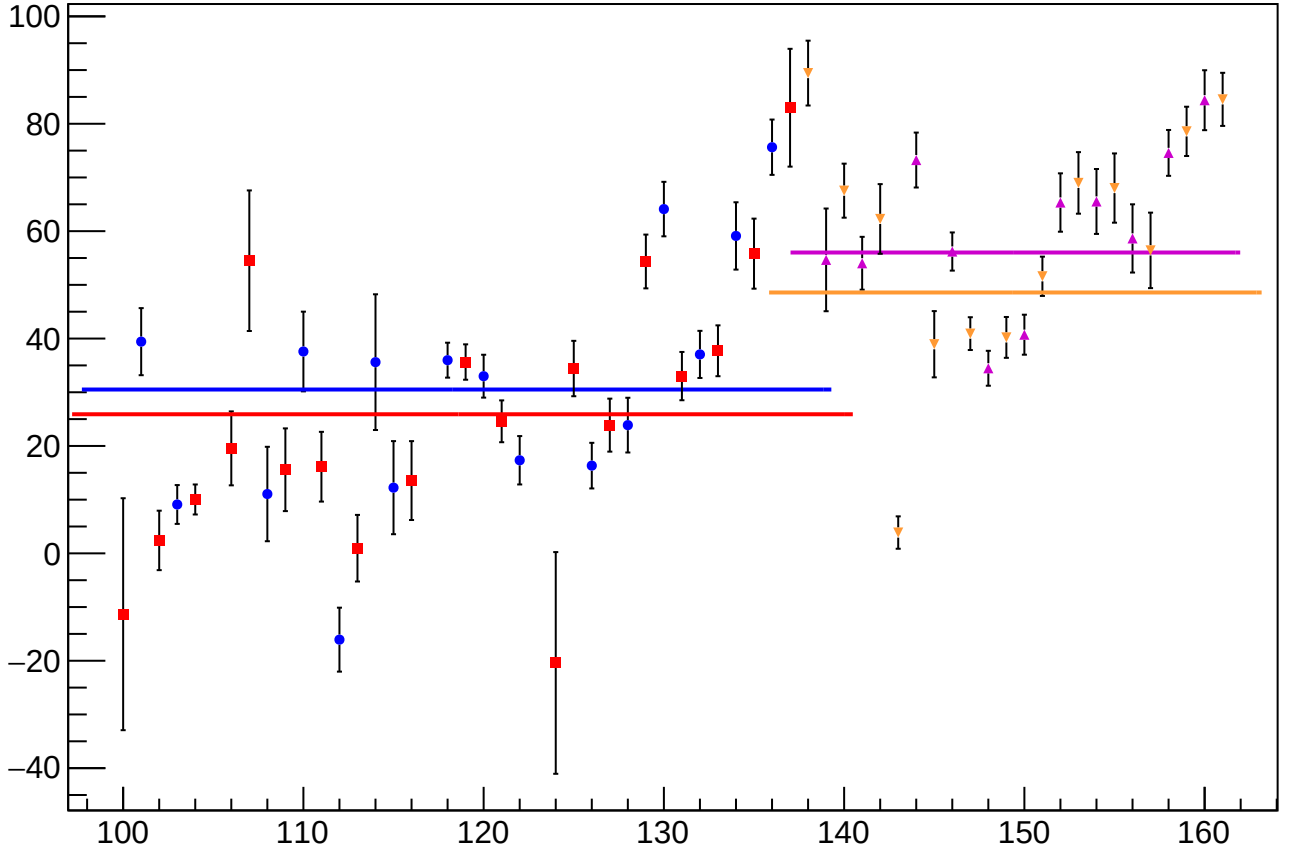
Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 197.900+/-0.950 χ^2/NDF:17681.1/26

Out: 171.153+/-0.899 χ^2/NDF:25115.7/31

All: 183.794+/-0.653 χ^2/NDF: 43214.9/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 48.580+/-1.249 χ^2/NDF:417.0/12

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 56.024+/-1.401 χ^2/NDF:122.7/10

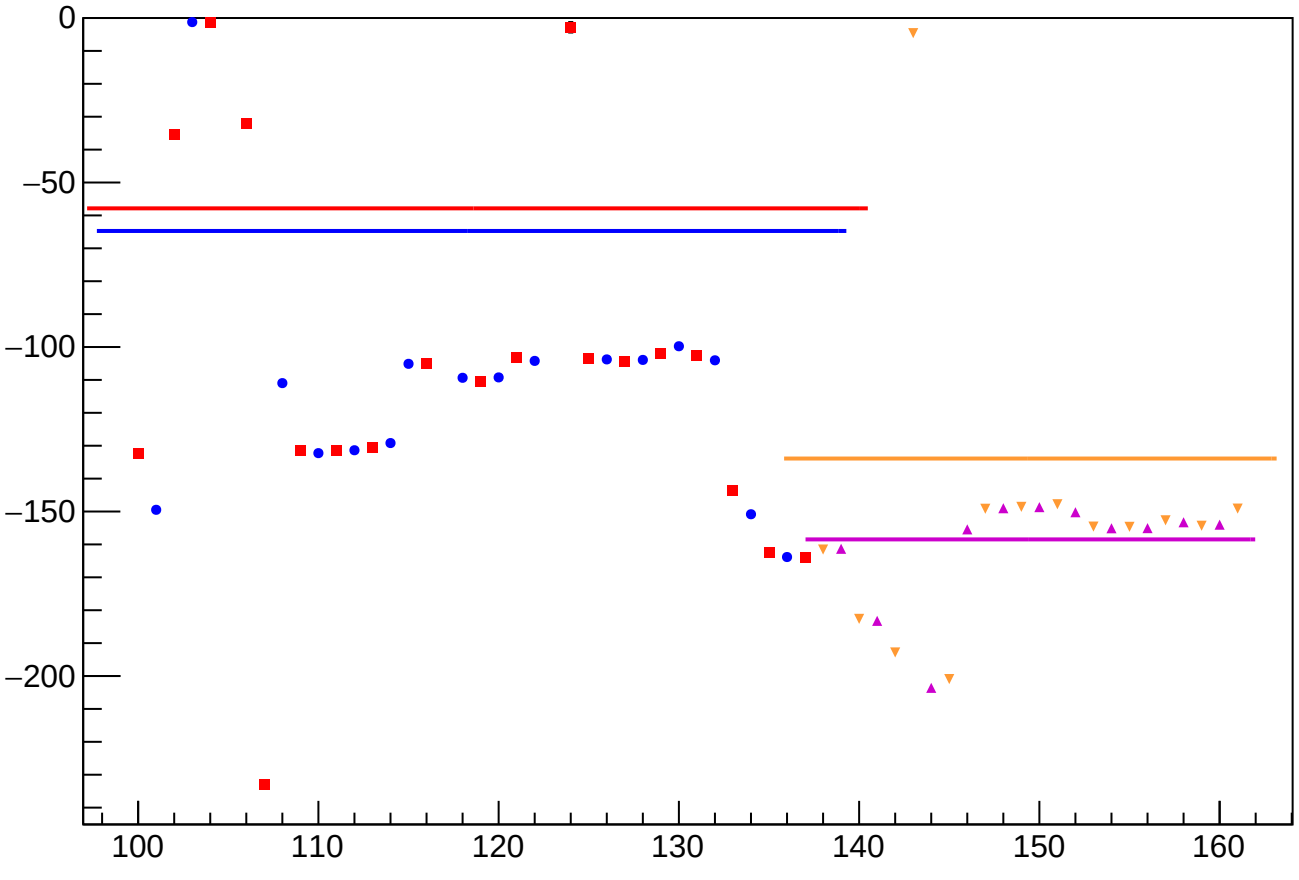
Left: 51.875+/-0.932 χ^2/NDF: 555.4/23

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 41.861+/-0.935 χ^2/NDF:583.6/26

Out: 36.911+/-0.870 χ^2/NDF:774.4/31

All: 39.209+/-0.637 χ^2/NDF: 1373.0/58



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.894+/-0.061 χ^2/NDF:949737.3/12

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -158.475+/-0.066 χ^2/NDF:46591.5/10

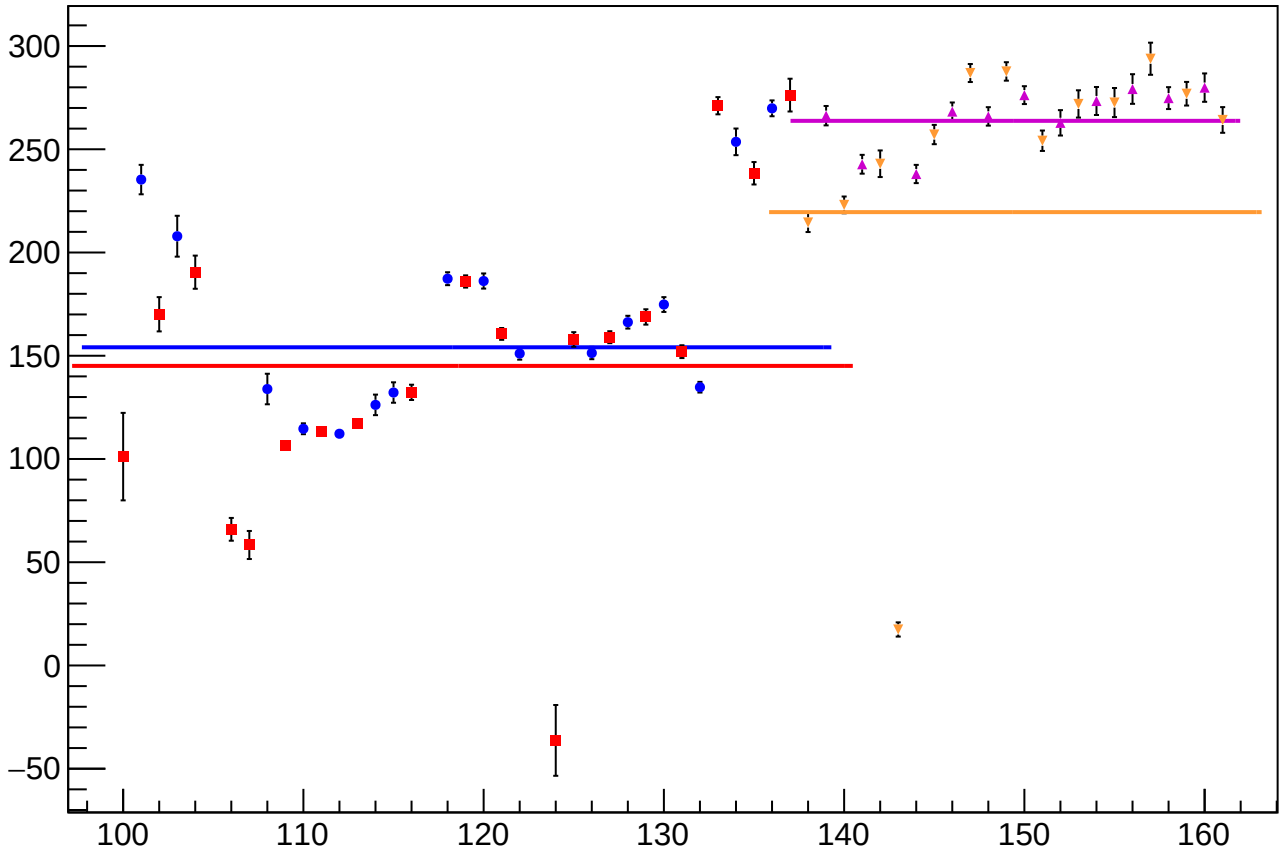
Left: -145.200+/-0.045 χ^2/NDF: 1071497.7/23

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -110.086+/-0.046 χ^2/NDF:2136014.3/26

Out: -96.705+/-0.043 χ^2/NDF:2590340.3/31

All: -103.041+/-0.032 χ^2/NDF: 4771237.7/58



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 219.560+/-1.385 χ^2/NDF:4405.2/12

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 263.766+/-1.535 χ^2/NDF:81.6/10

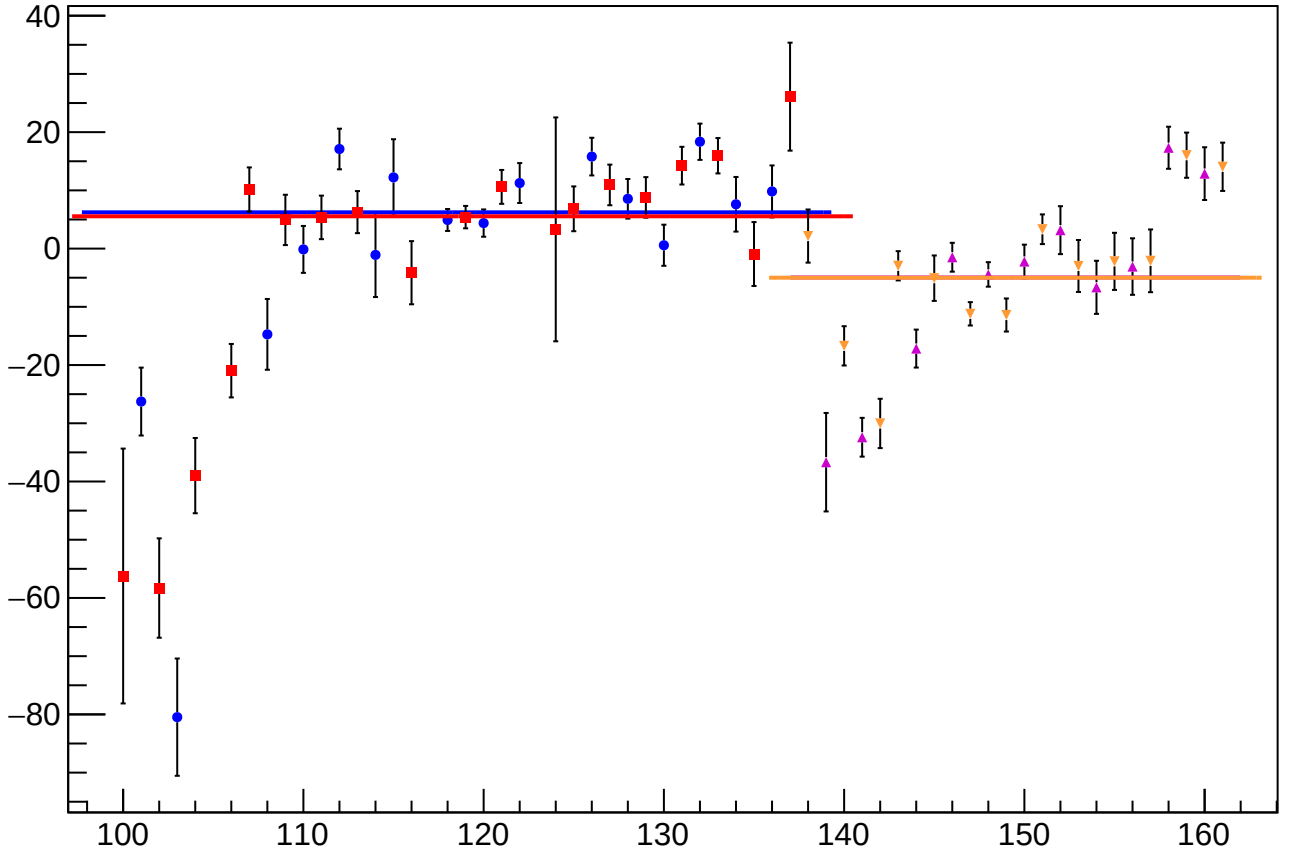
Left: 239.401+/-1.028 χ^2/NDF: 4943.8/23

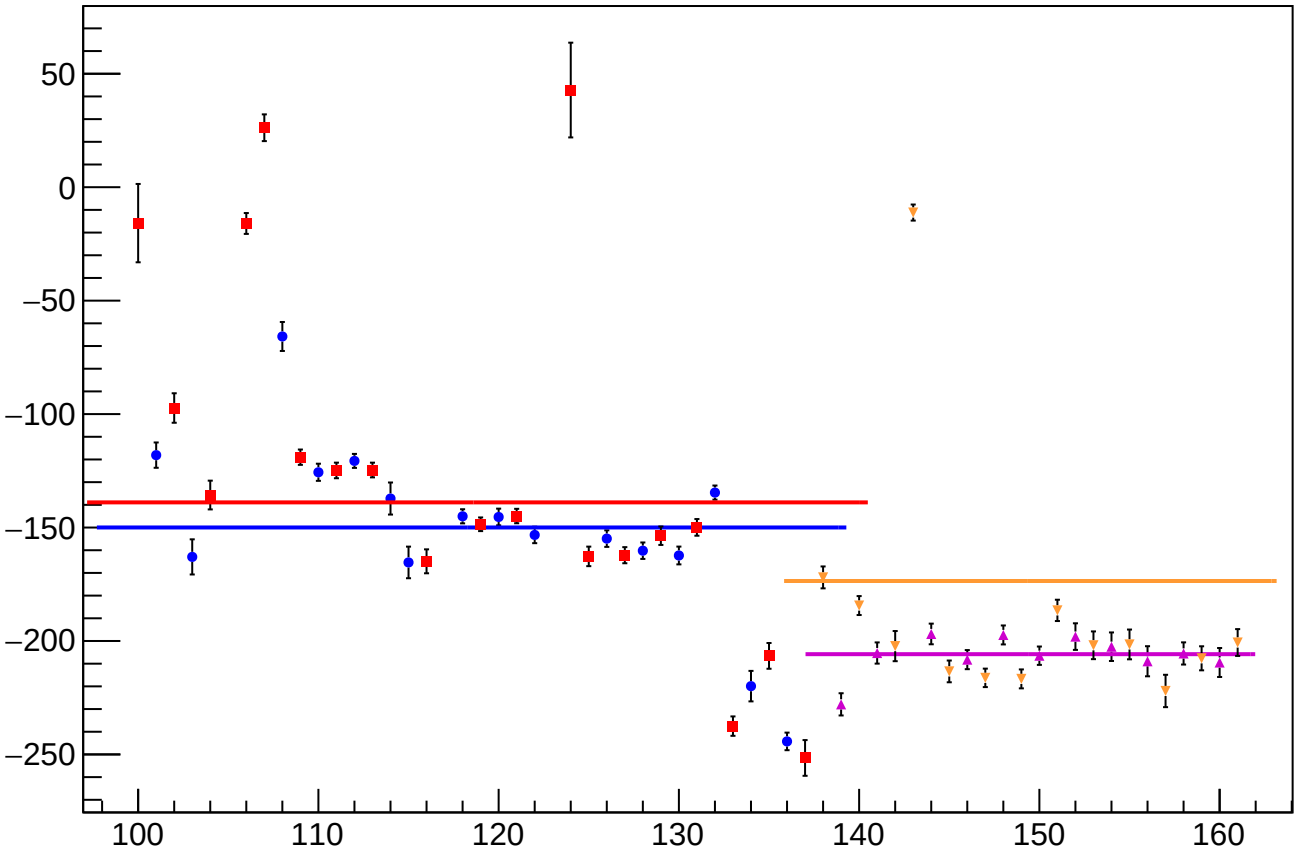
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 180.717+/-0.756 χ^2/NDF:6227.8/26

Out: 164.619+/-0.709 χ^2/NDF:9495.9/31

All: 172.154+/-0.517 χ^2/NDF: 15964.7/58


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -4.999+/-0.916 χ²/NDF:126.7/12
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -4.964+/-1.010 χ²/NDF:156.6/10
Left: -4.983+/-0.678 χ²/NDF: 283.3/23
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.335+/-0.668 χ²/NDF:387.8/26
Out: 0.428+/-0.638 χ²/NDF:376.1/31
All: 0.861+/-0.461 χ²/NDF: 764.9/58



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -173.561+/-1.357 χ^2/NDF:2567.4/12

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.811+/-1.484 χ^2/NDF:31.3/10

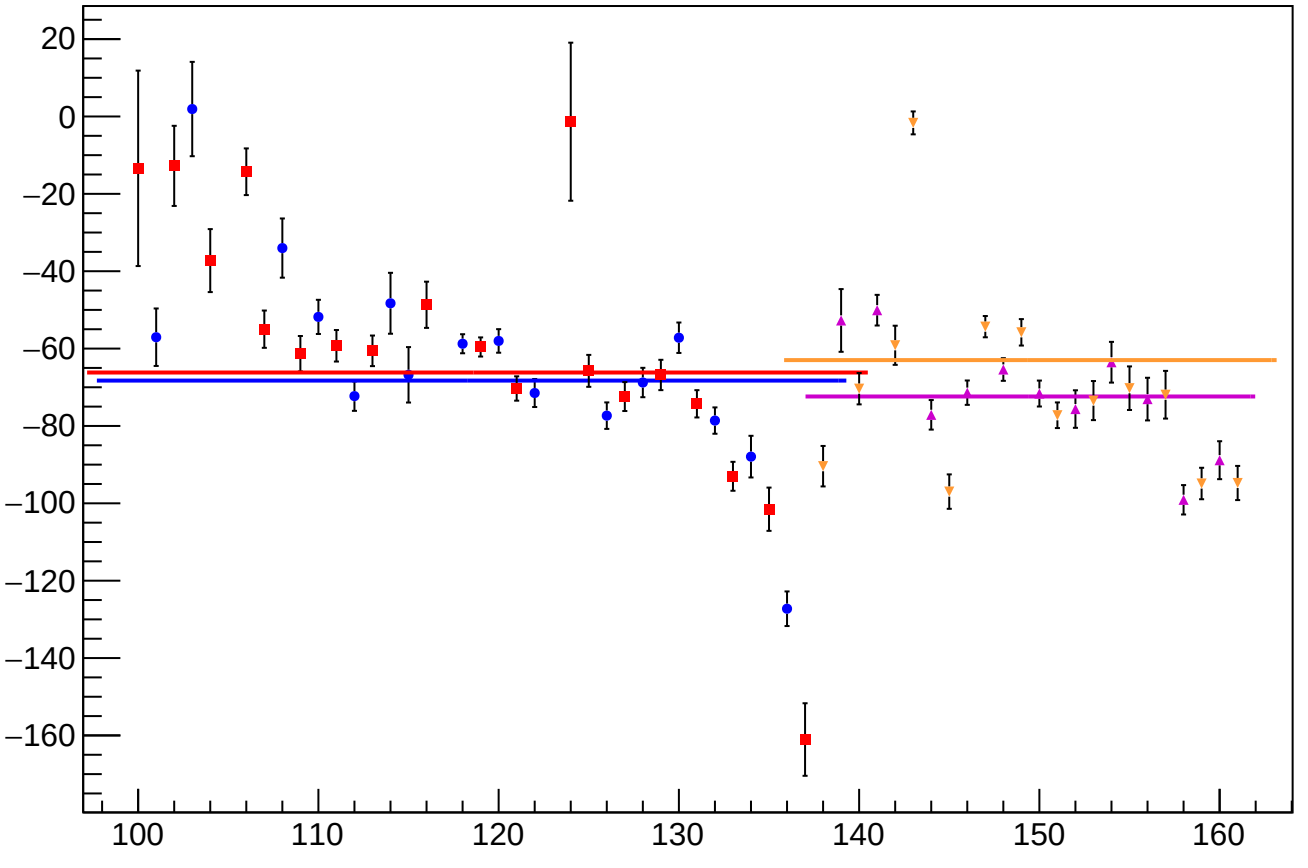
Left: -188.246+/-1.001 χ^2/NDF: 2856.0/23

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.024+/-0.844 χ^2/NDF:2089.2/26

Out: -151.006+/-0.802 χ^2/NDF:5742.9/31

All: -159.079+/-0.581 χ^2/NDF: 8045.9/58



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -62.978+/-1.105 χ^2/NDF:672.5/12

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -72.383+/-1.216 χ^2/NDF:108.9/10

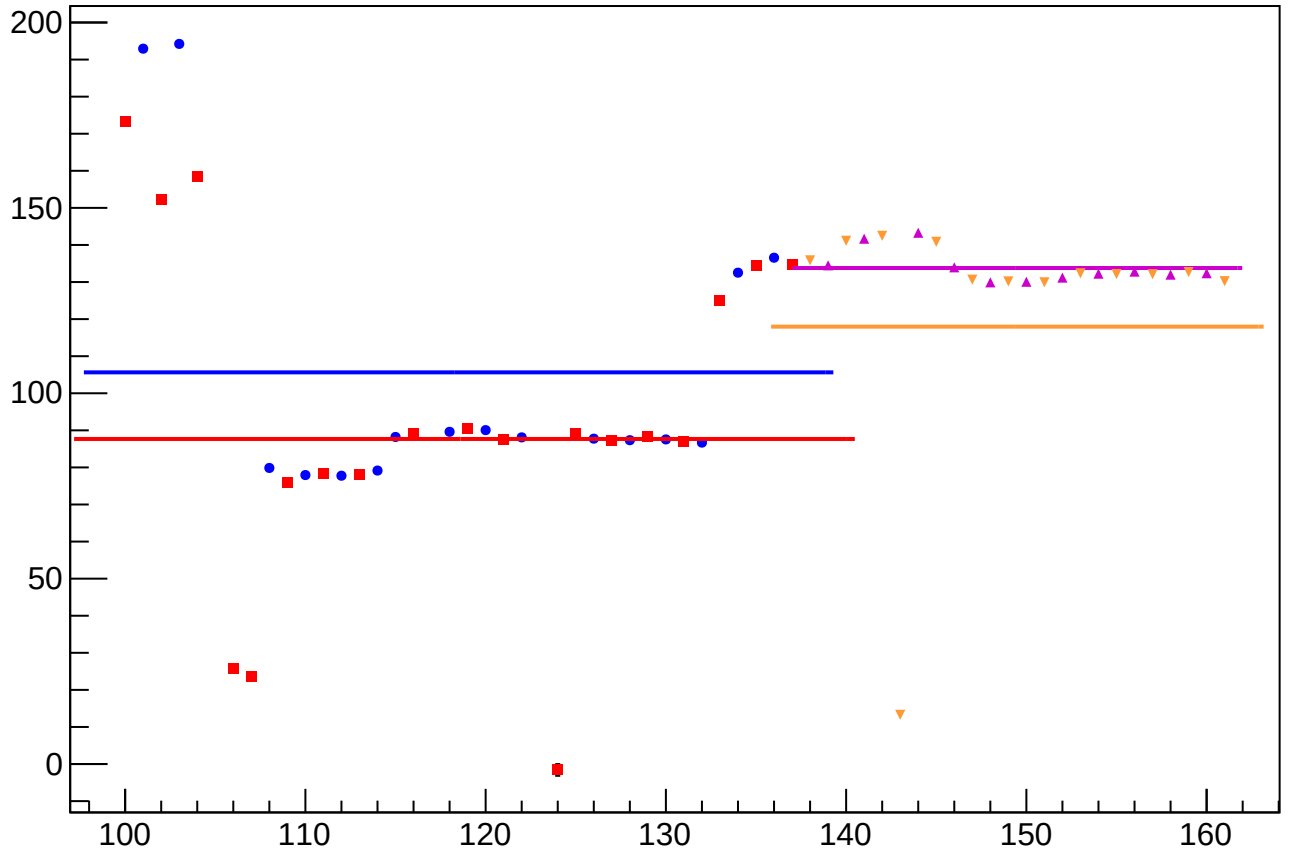
Left: -67.232+/-0.818 χ^2/NDF: 814.1/23

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -69.995+/-0.787 χ^2/NDF:430.9/26

Out: -64.704+/-0.751 χ^2/NDF:1035.4/31

All: -67.225+/-0.544 χ^2/NDF: 1489.9/58



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.971+/-0.053 χ^2/NDF:589731.6/12

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.782+/-0.057 χ^2/NDF:5313.5/10

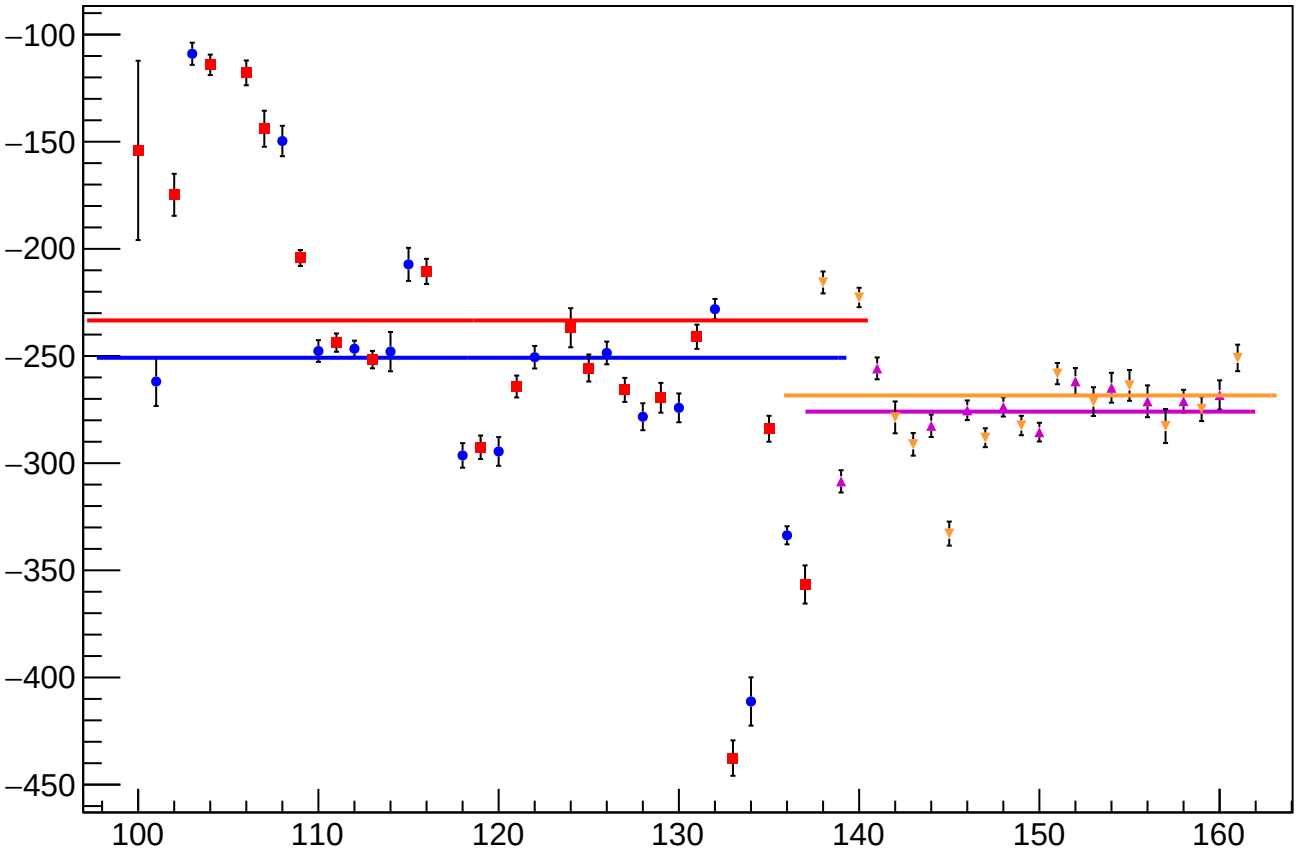
Left: 125.371+/-0.039 χ^2/NDF: 635958.9/23

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.718+/-0.044 χ^2/NDF:340718.8/26

Out: 105.881+/-0.041 χ^2/NDF:1092273.9/31

All: 113.720+/-0.030 χ^2/NDF: 1509791.4/58



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.395+/-1.529 χ^2/NDF:407.8/12

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -275.946+/-1.616 χ^2/NDF:71.7/10

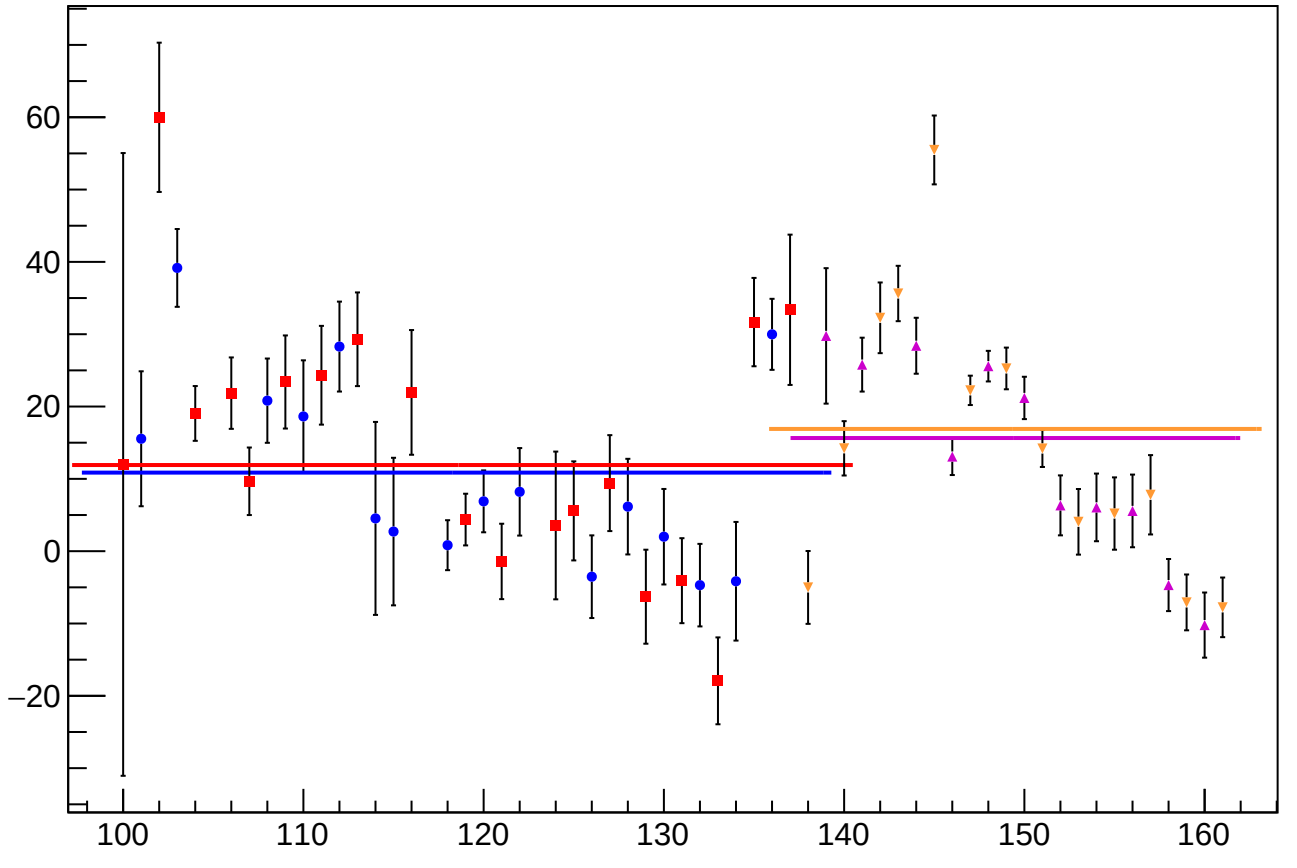
Left: -271.963+/-1.110 χ^2/NDF: 491.1/23

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.924+/-1.074 χ^2/NDF:1942.4/26

Out: -248.514+/-1.005 χ^2/NDF:3084.0/31

All: -254.772+/-0.734 χ^2/NDF: 5109.5/58



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 16.904+/-0.986 χ^2/NDF:226.0/12

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 15.646+/-1.046 χ^2/NDF:125.3/10

Left: 16.312+/-0.718 χ^2/NDF: 352.1/23

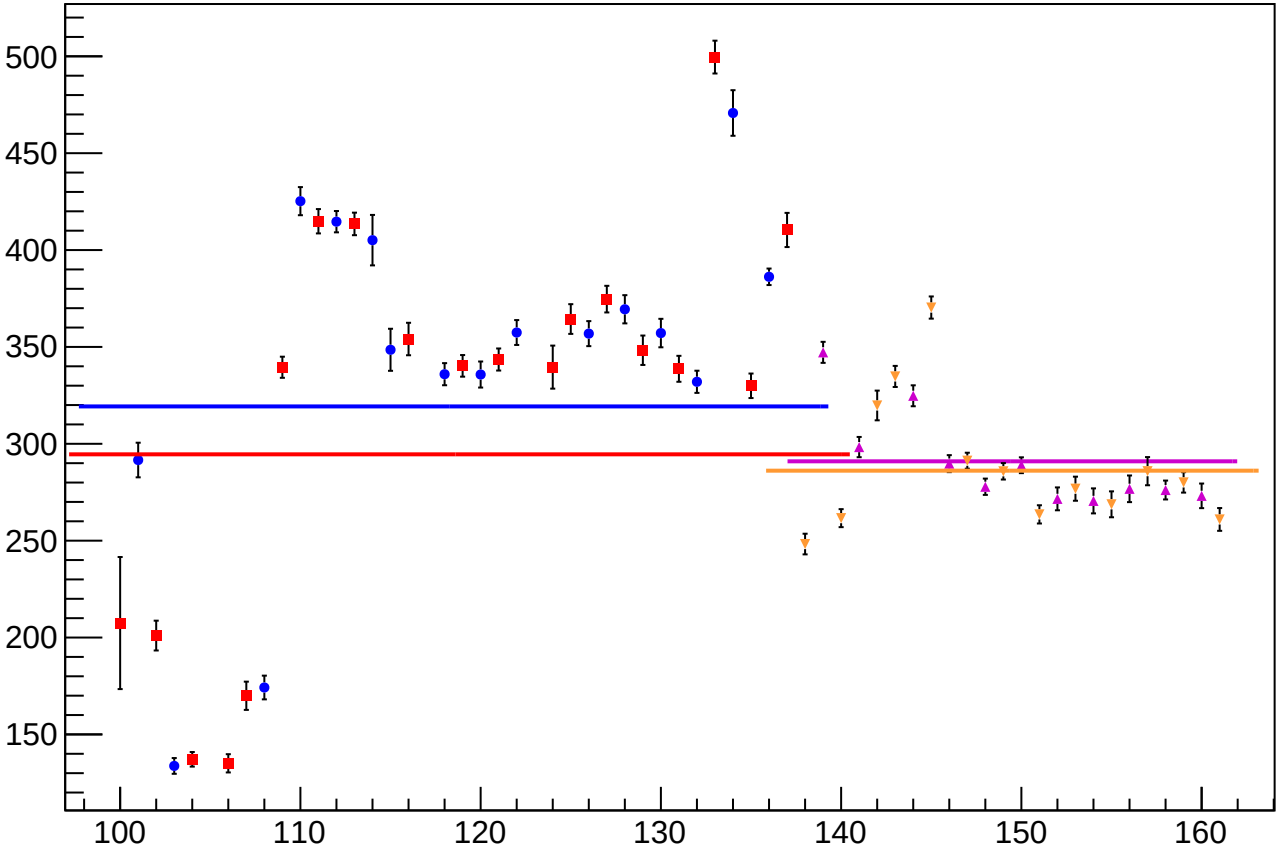
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.039+/-0.853 χ^2/NDF:217.0/26

Out: 15.196+/-0.800 χ^2/NDF:346.7/31

All: 14.654+/-0.583 χ^2/NDF: 564.7/58

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 286.132+/-1.483 χ^2/NDF:446.7/12

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 290.957+/-1.554 χ^2/NDF:200.9/10

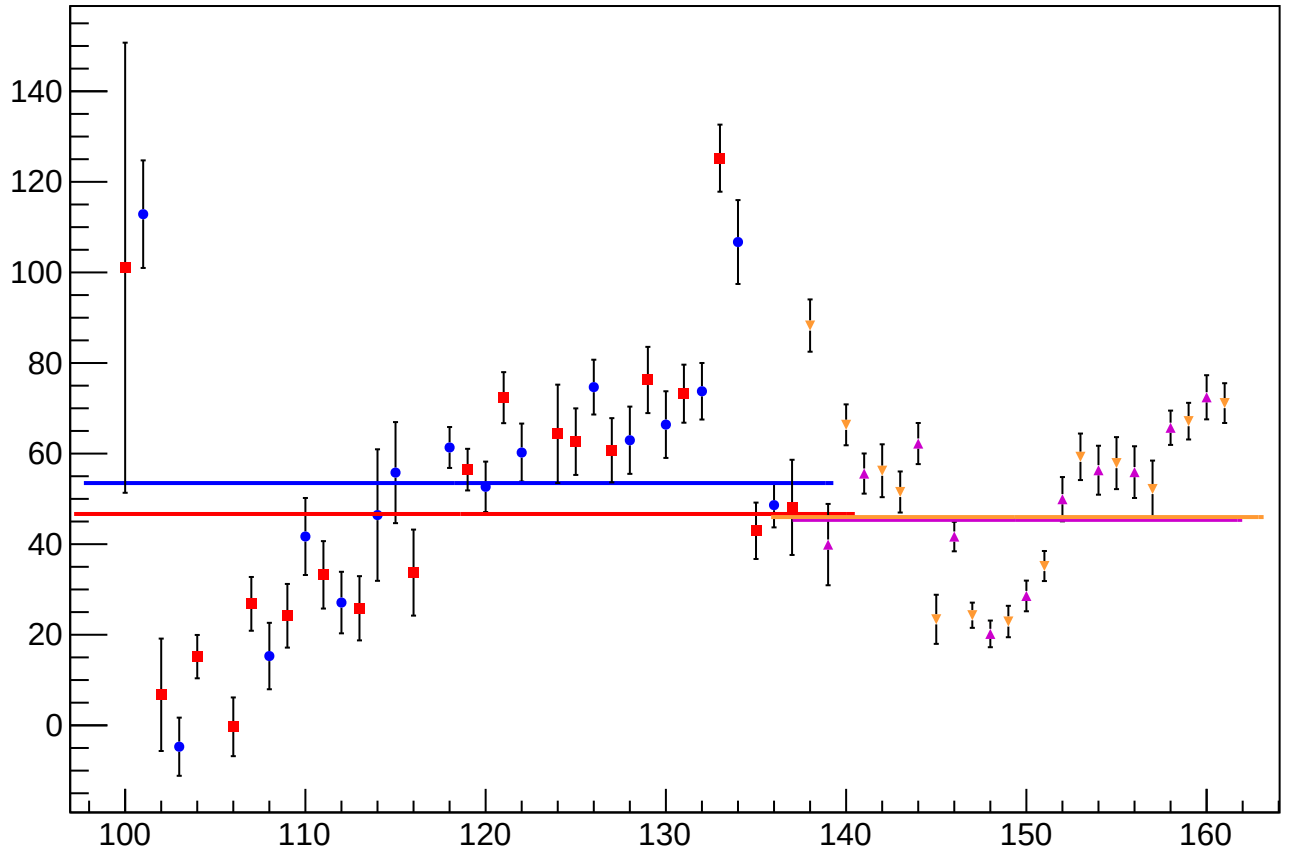
Left: 288.432+/-1.073 χ^2/NDF: 652.6/23

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 304.835+/-1.110 χ^2/NDF:4156.6/26

Out: 290.354+/-1.048 χ^2/NDF:5966.1/31

All: 297.180+/-0.762 χ^2/NDF: 10212.8/58



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 45.984+/-1.195 χ^2/NDF:283.5/12

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 45.367+/-1.263 χ^2/NDF:186.5/10

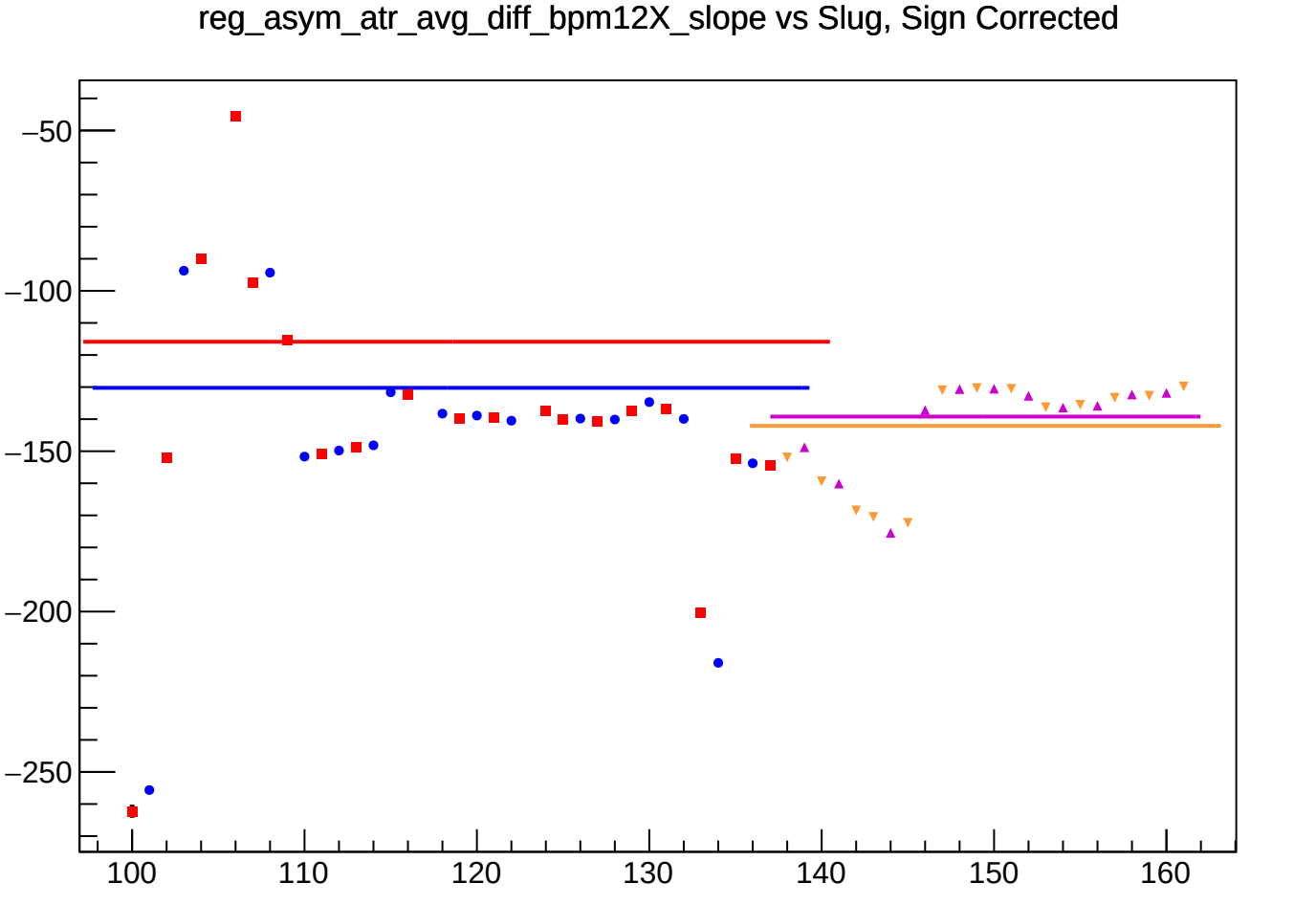
Left: 45.692+/-0.868 χ^2/NDF: 470.2/23

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 48.259+/-1.013 χ^2/NDF:418.5/26

Out: 46.229+/-0.956 χ^2/NDF:609.2/31

All: 47.185+/-0.695 χ^2/NDF: 1029.9/58



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -142.096+/-0.058 χ^2/NDF:70586.8/12

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -139.203+/-0.059 χ^2/NDF:43834.7/10

Left: -140.685+/-0.042 χ^2/NDF: 115634.9/23

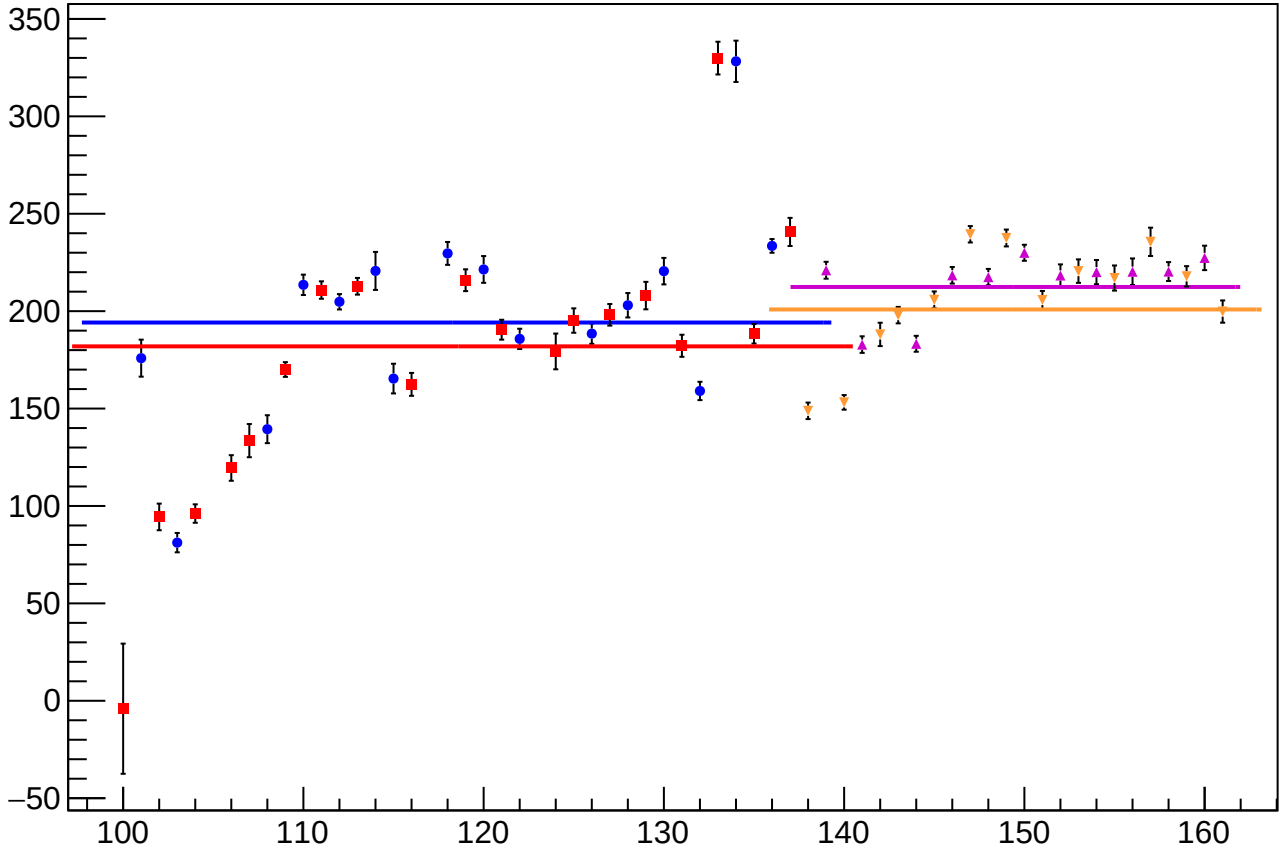
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.524+/-0.050 χ^2/NDF:224838.9/26

Out: -133.858+/-0.048 χ^2/NDF:340717.9/31

All: -135.143+/-0.035 χ^2/NDF: 567042.2/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 200.871+/-1.338 χ^2/NDF:526.2/12

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 212.416+/-1.435 χ^2/NDF:137.0/10

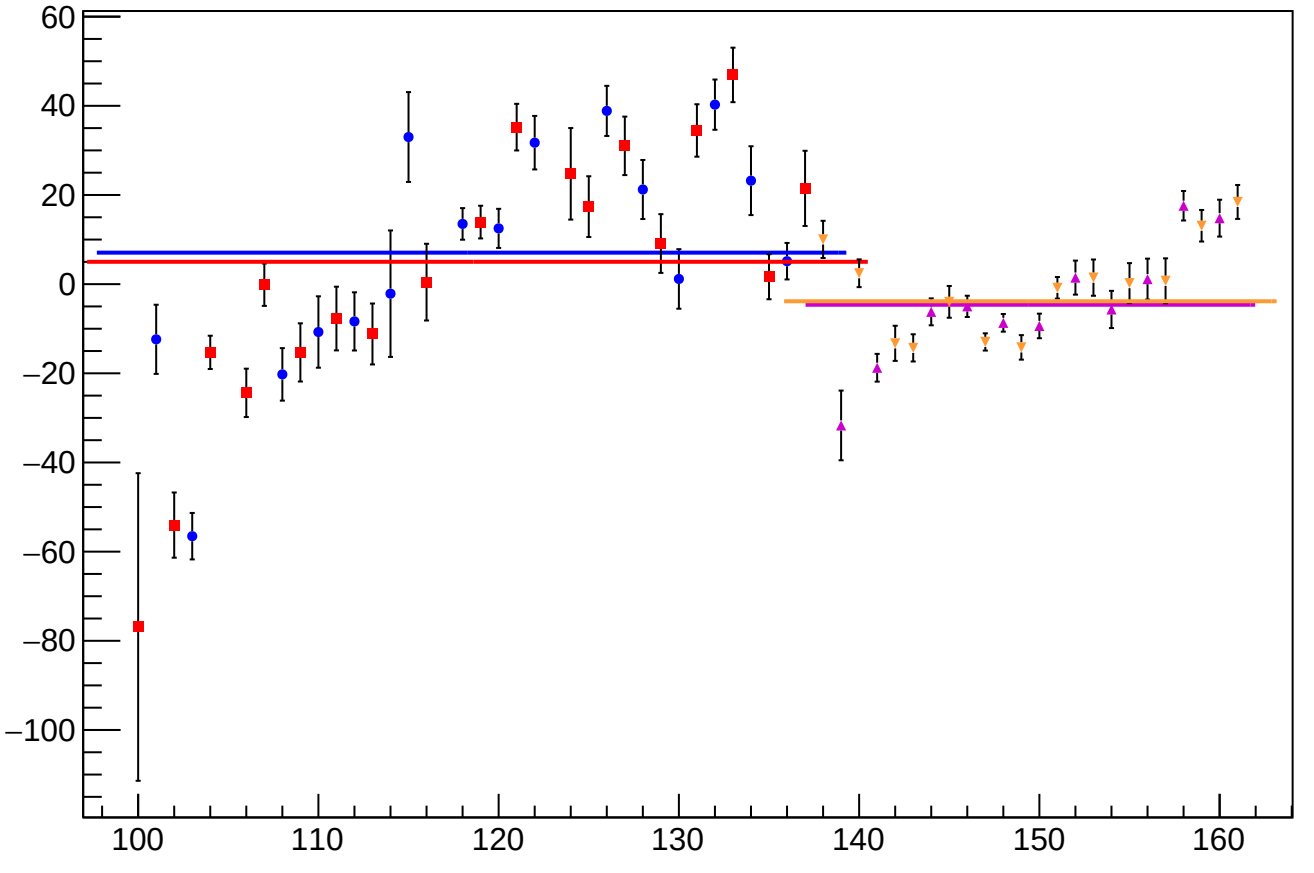
Left: 206.239+/-0.978 χ^2/NDF: 697.9/23

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 203.108+/-1.004 χ^2/NDF:1254.7/26

Out: 191.286+/-0.940 χ^2/NDF:1832.5/31

All: 196.808+/-0.686 χ^2/NDF: 3161.0/58



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -3.836+/-0.884 χ^2/NDF:131.1/12

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -4.621+/-0.947 χ^2/NDF:111.5/10

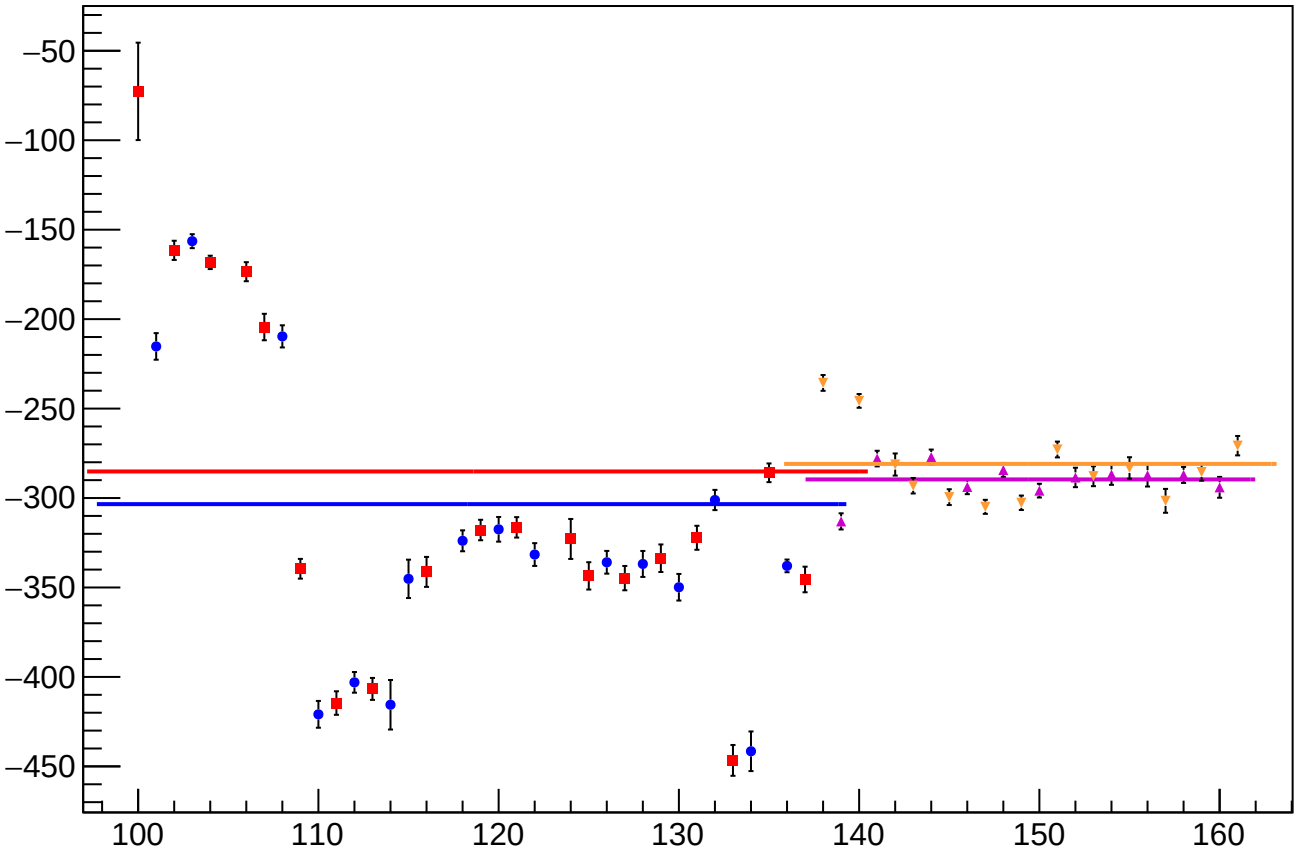
Left: -4.201+/-0.646 χ^2/NDF: 242.9/23

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -1.103+/-0.792 χ^2/NDF:449.9/26

Out: -1.193+/-0.740 χ^2/NDF:449.5/31

All: -1.151+/-0.541 χ^2/NDF: 899.4/58



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.921+/-1.307 χ^2/NDF:299.1/12

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.592+/-1.387 χ^2/NDF:49.7/10

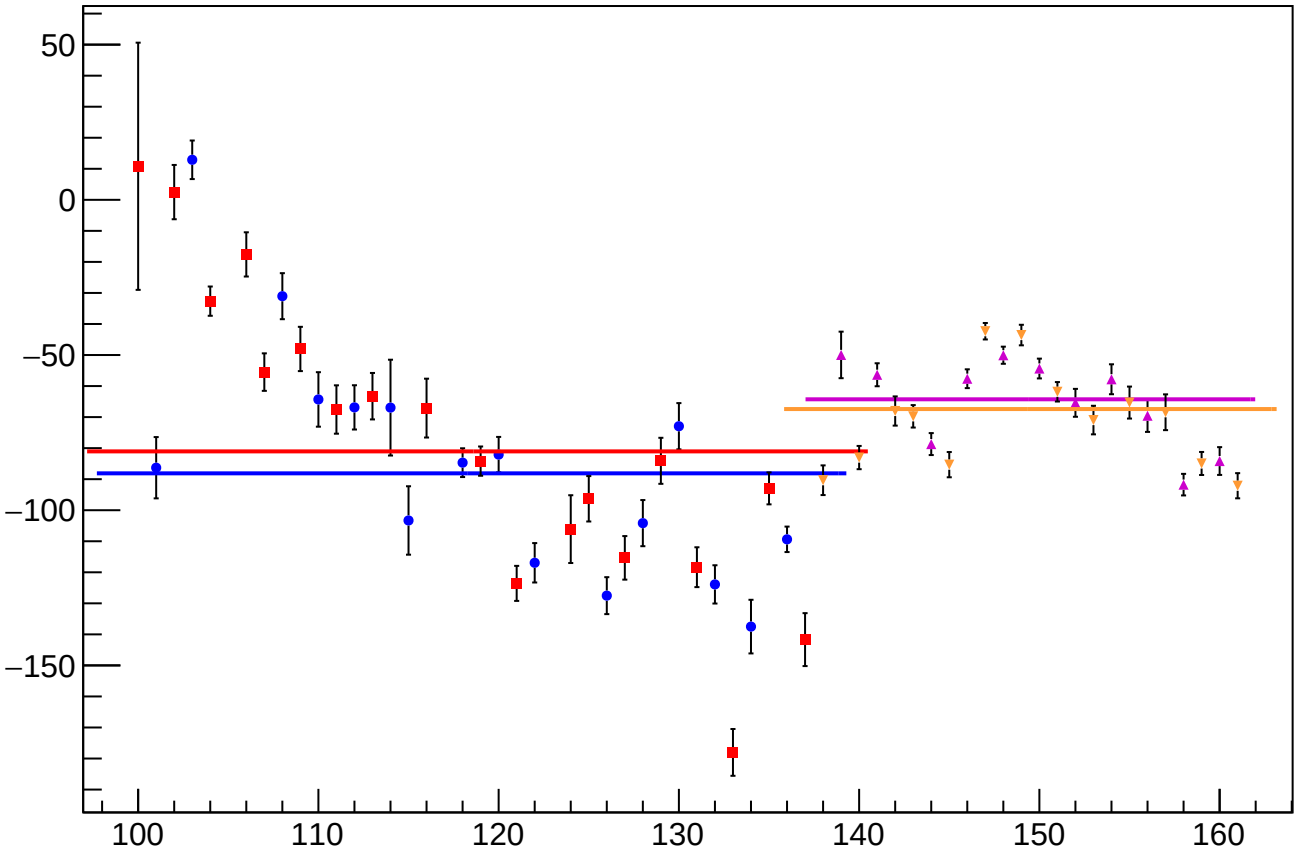
Left: -284.998+/-0.951 χ^2/NDF: 369.5/23

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -295.825+/-1.028 χ^2/NDF:2879.9/26

Out: -282.815+/-0.971 χ^2/NDF:4058.6/31

All: -288.952+/-0.706 χ^2/NDF: 7023.2/58



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -67.406+/-1.066 χ^2/NDF:264.9/12

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -64.266+/-1.139 χ^2/NDF:151.0/10

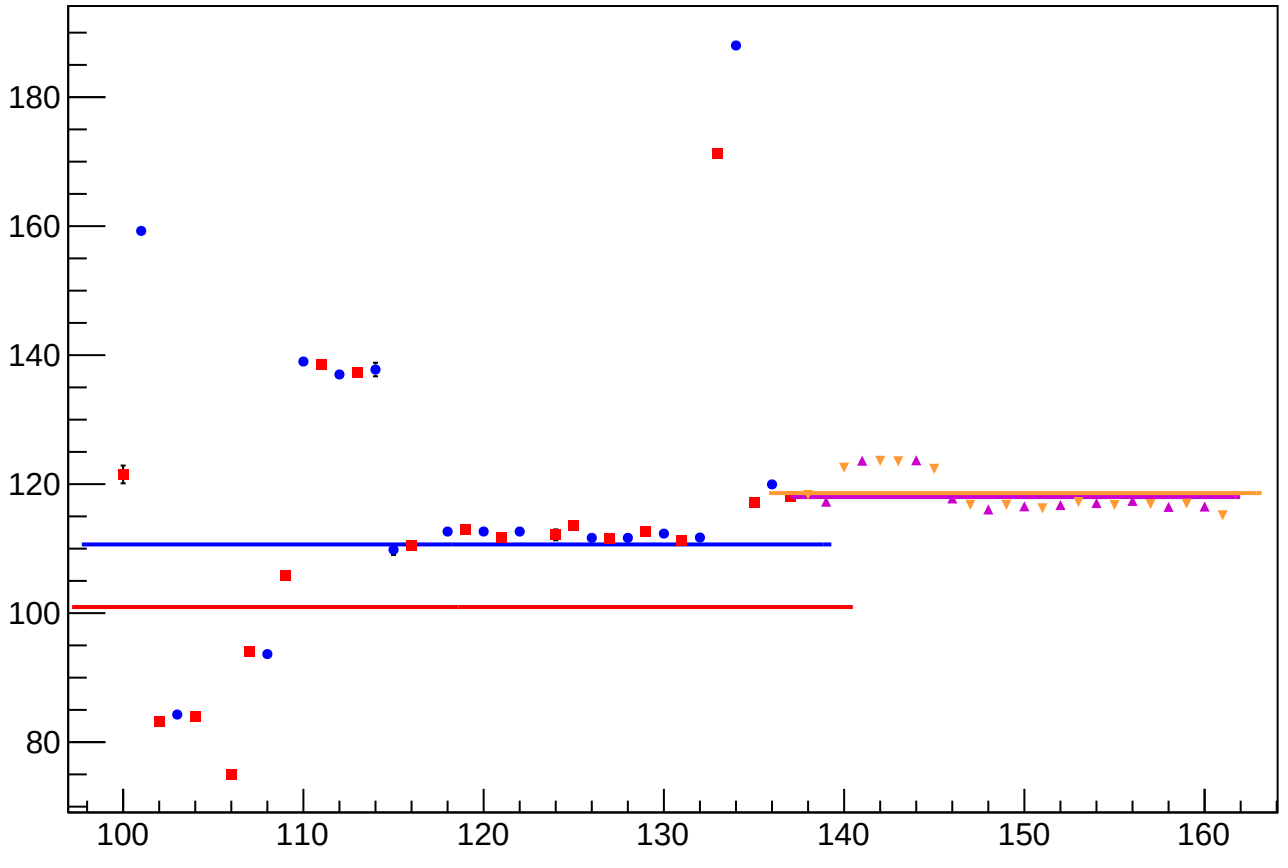
Left: -65.940+/-0.778 χ^2/NDF: 419.9/23

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -71.930+/-0.938 χ^2/NDF:803.9/26

Out: -71.712+/-0.881 χ^2/NDF:994.1/31

All: -71.814+/-0.642 χ^2/NDF: 1798.1/58



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.617+/-0.051 χ^2/NDF:3156.6/12

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.000+/-0.053 χ^2/NDF:2382.1/10

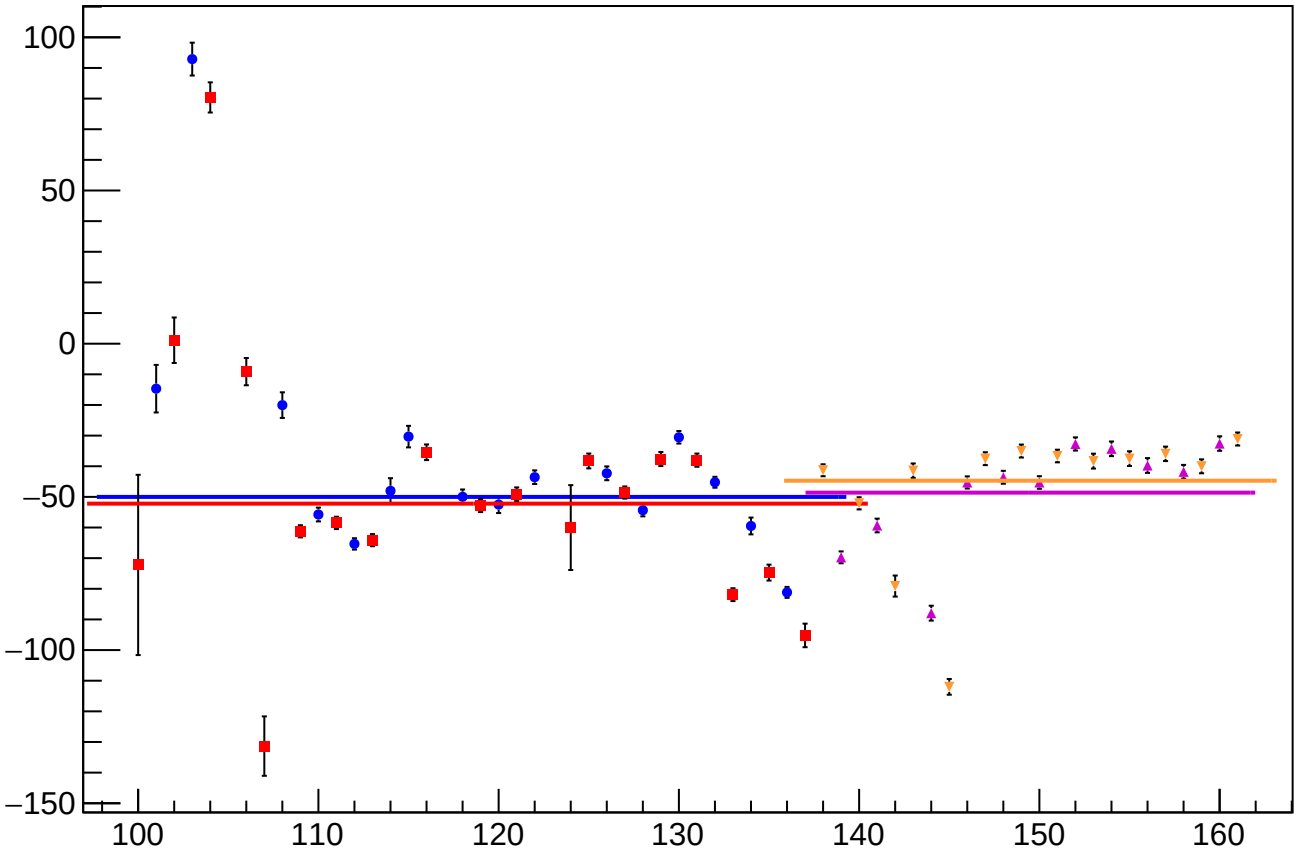
Left: 118.320+/-0.037 χ^2/NDF: 5608.5/23

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.959+/-0.045 χ^2/NDF:91200.7/26

Out: 113.564+/-0.043 χ^2/NDF:99152.4/31

All: 114.710+/-0.031 χ^2/NDF: 191817.2/58



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -44.714+/-0.626 χ^2/NDF:925.5/12

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -48.613+/-0.661 χ^2/NDF:572.4/10

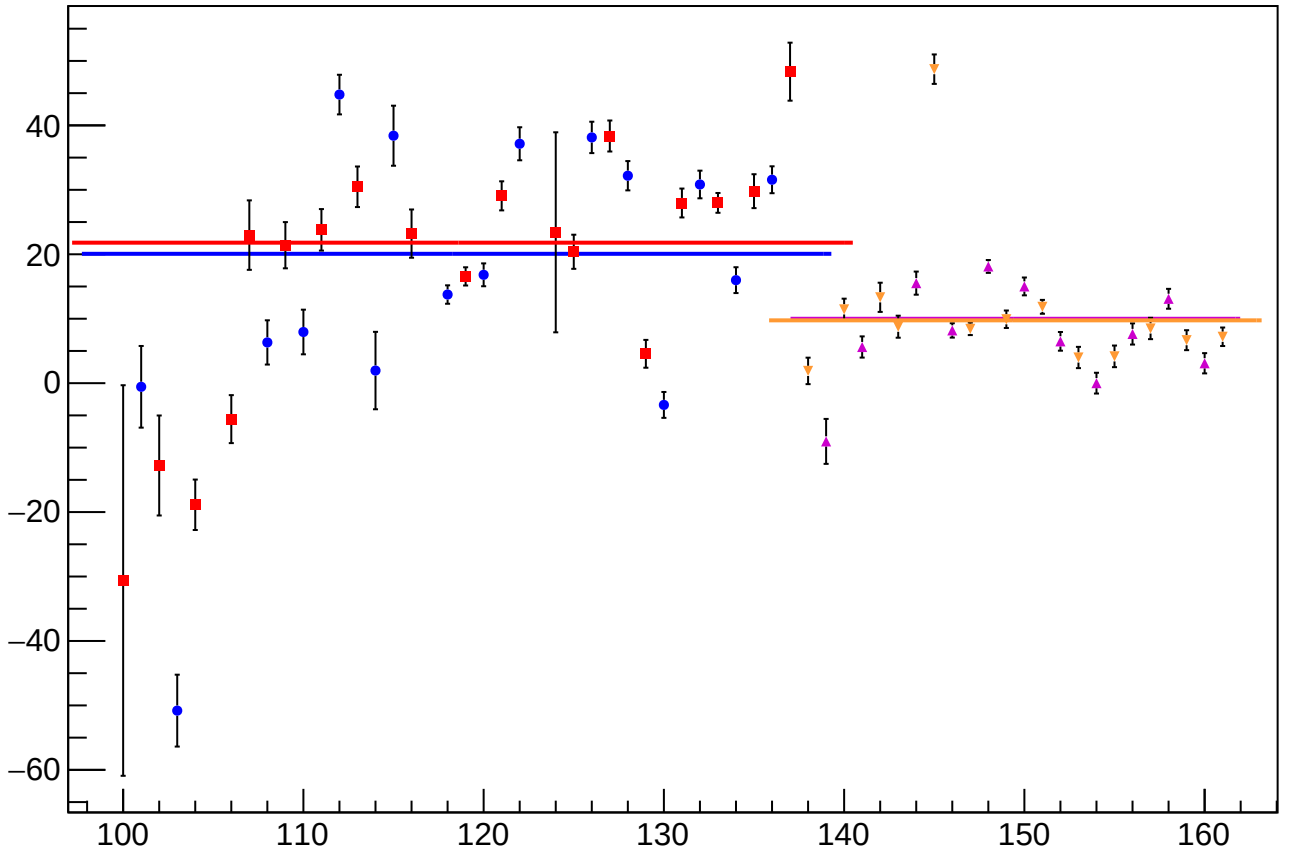
Left: -46.557+/-0.455 χ^2/NDF: 1516.2/23

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -49.367+/-0.448 χ^2/NDF:1902.2/26

Out: -48.590+/-0.435 χ^2/NDF:2569.8/31

All: -48.967+/-0.312 χ^2/NDF: 4473.6/58



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.748+/-0.416 χ^2/NDF:345.9/12

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.993+/-0.441 χ^2/NDF:198.1/10

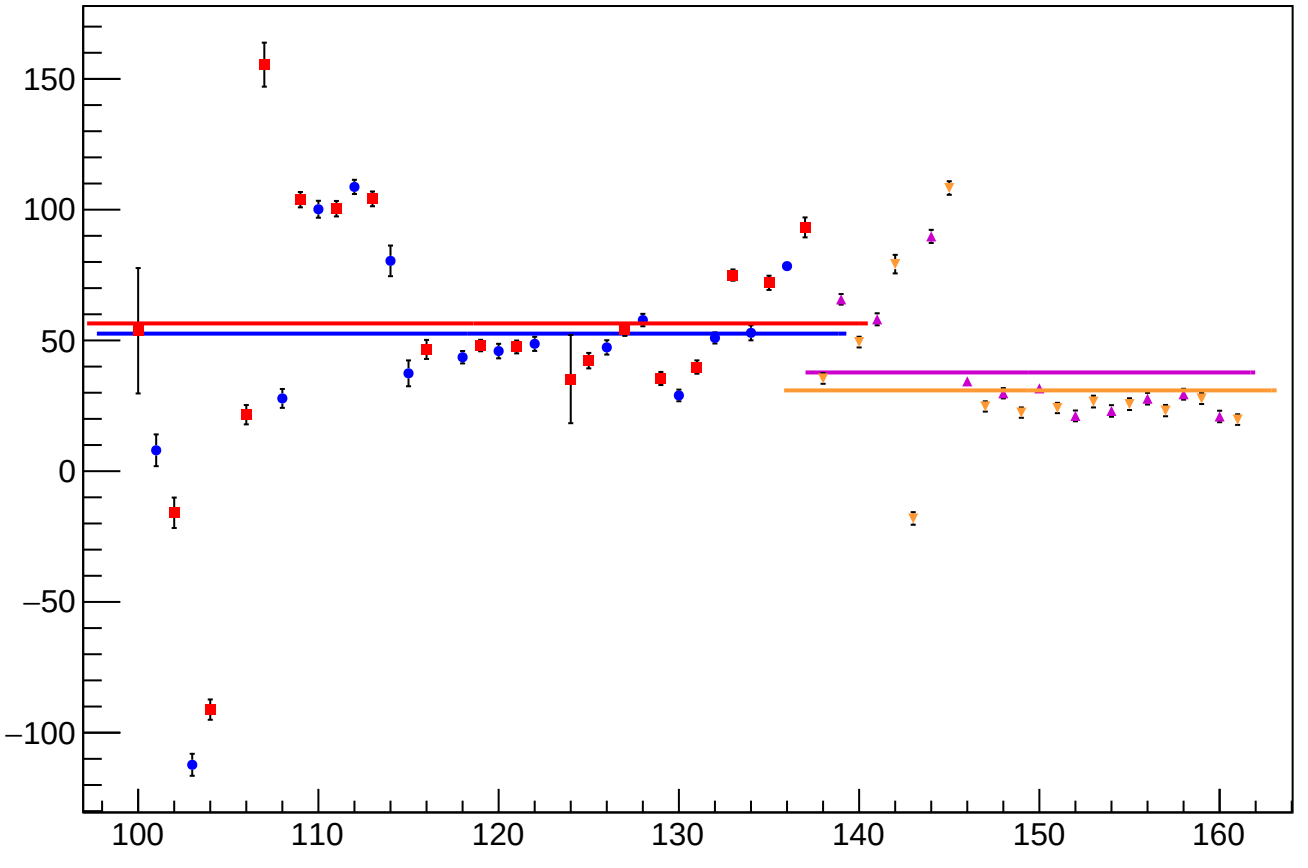
Left: 9.863+/-0.302 χ^2/NDF: 544.1/23

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 13.435+/-0.358 χ^2/NDF:1012.9/26

Out: 13.468+/-0.346 χ^2/NDF:1001.8/31

All: 13.452+/-0.249 χ^2/NDF: 2014.7/58



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.888+/-0.606 χ^2/NDF:1667.7/12

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 37.754+/-0.636 χ^2/NDF:934.7/10

Left: 34.155+/-0.438 χ^2/NDF: 2663.6/23

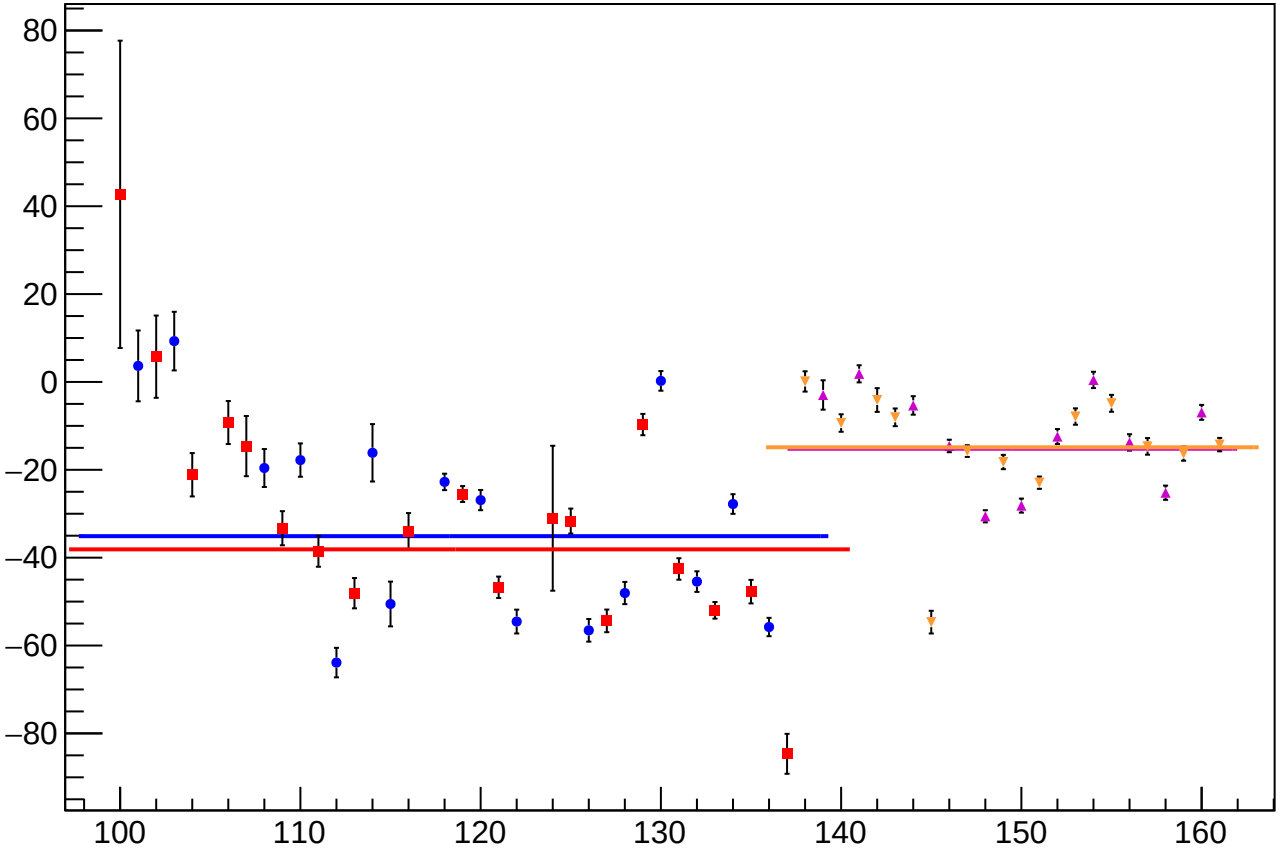
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 44.502+/-0.469 χ^2/NDF:3842.3/26

Out: 41.753+/-0.459 χ^2/NDF:5392.1/31

All: 43.098+/-0.328 χ^2/NDF: 9251.9/58

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.872+/-0.496 χ^2/NDF:394.3/12

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.203+/-0.525 χ^2/NDF:436.7/10

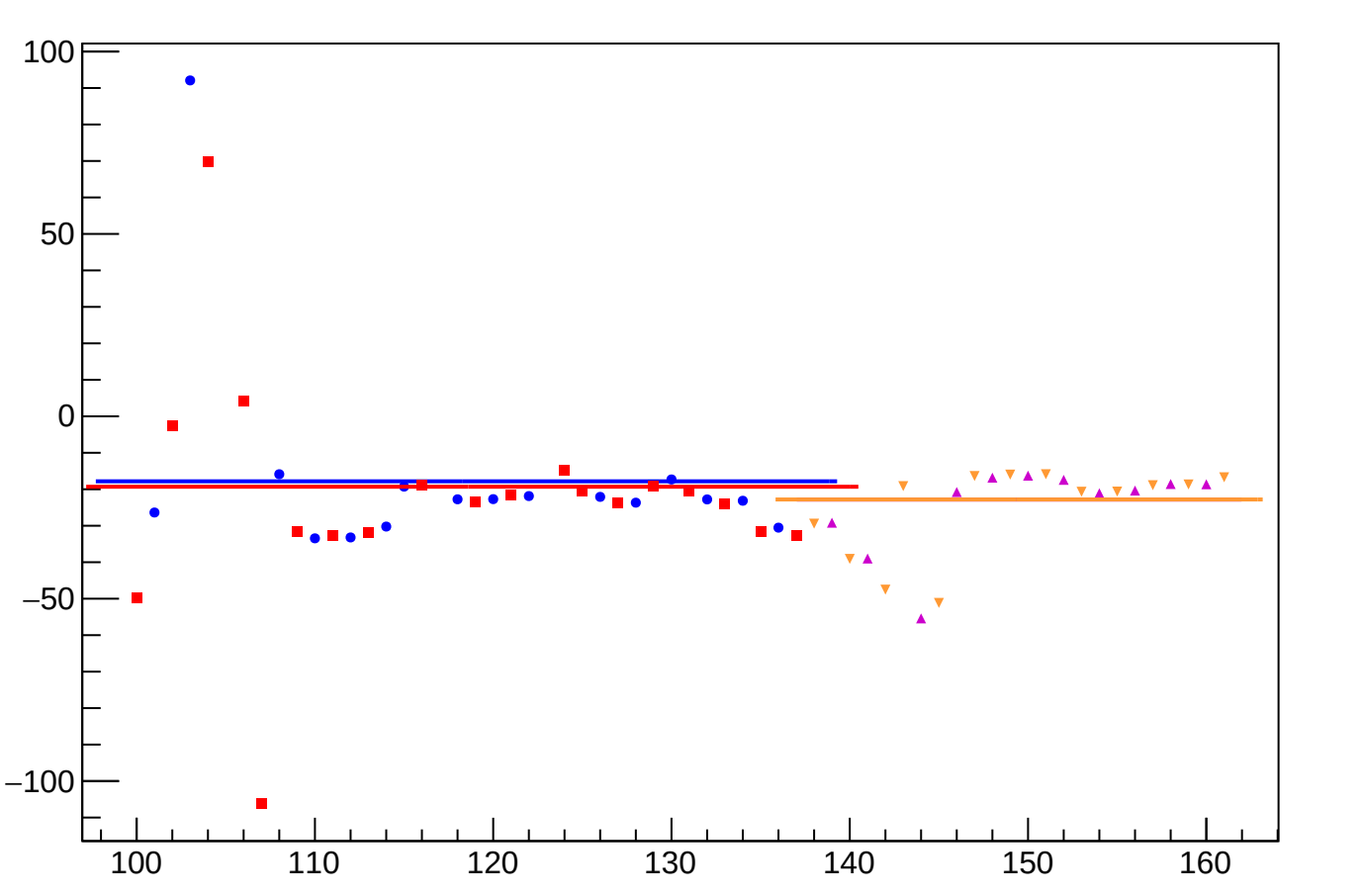
Left: -15.028+/-0.360 χ^2/NDF: 831.2/23

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -22.364+/-0.420 χ^2/NDF:1727.2/26

Out: -22.430+/-0.407 χ^2/NDF:1623.8/31

All: -22.398+/-0.292 χ^2/NDF: 3351.0/58



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.802+/-0.023 χ^2/NDF:181659.1/12

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -22.827+/-0.024 χ^2/NDF:148446.6/10

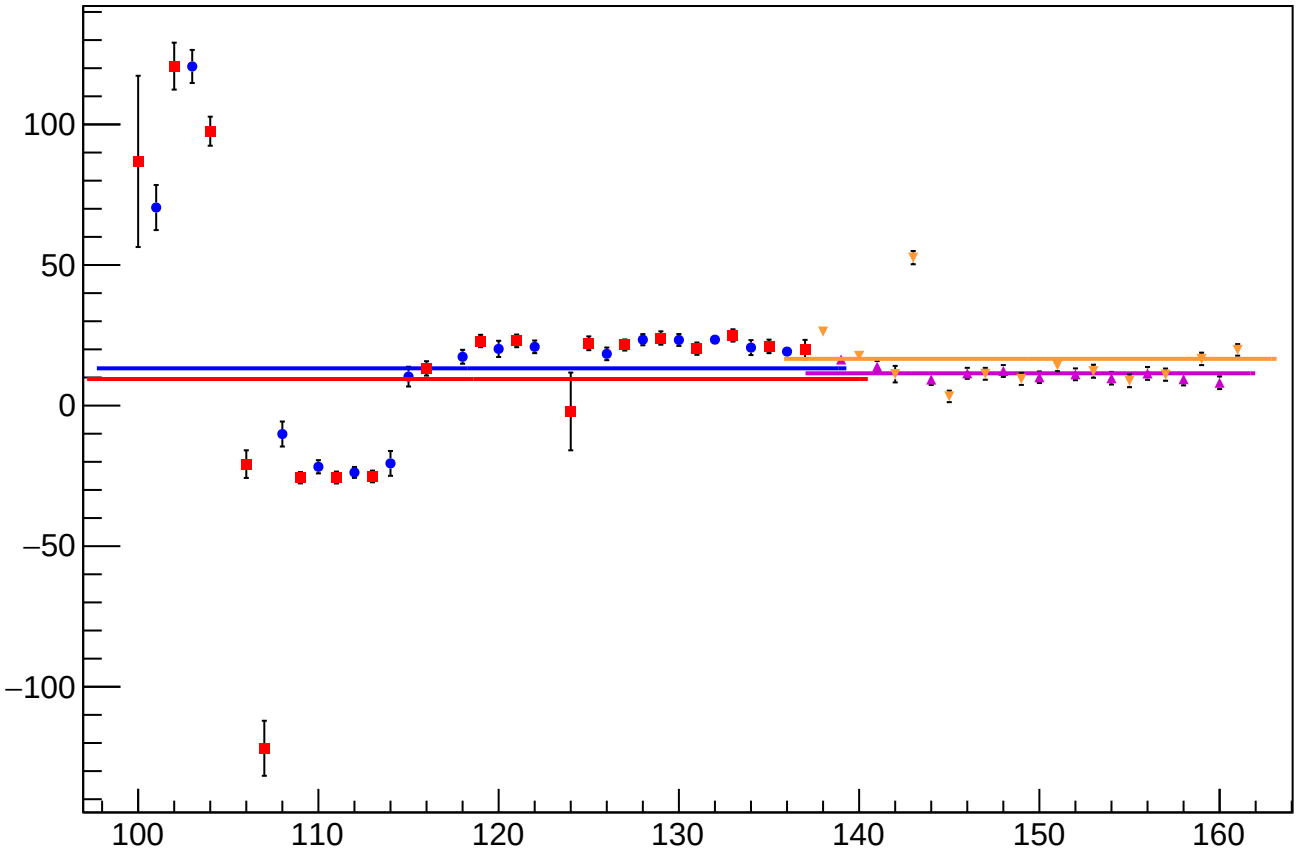
Left: -22.814+/-0.017 χ^2/NDF: 330106.4/23

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.666+/-0.021 χ^2/NDF:584869.5/26

Out: -22.108+/-0.021 χ^2/NDF:530882.8/31

All: -21.890+/-0.015 χ^2/NDF: 1115980.5/58



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.621+/-0.589 χ^2/NDF:352.0/12

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 11.490+/-0.622 χ^2/NDF:15.1/10

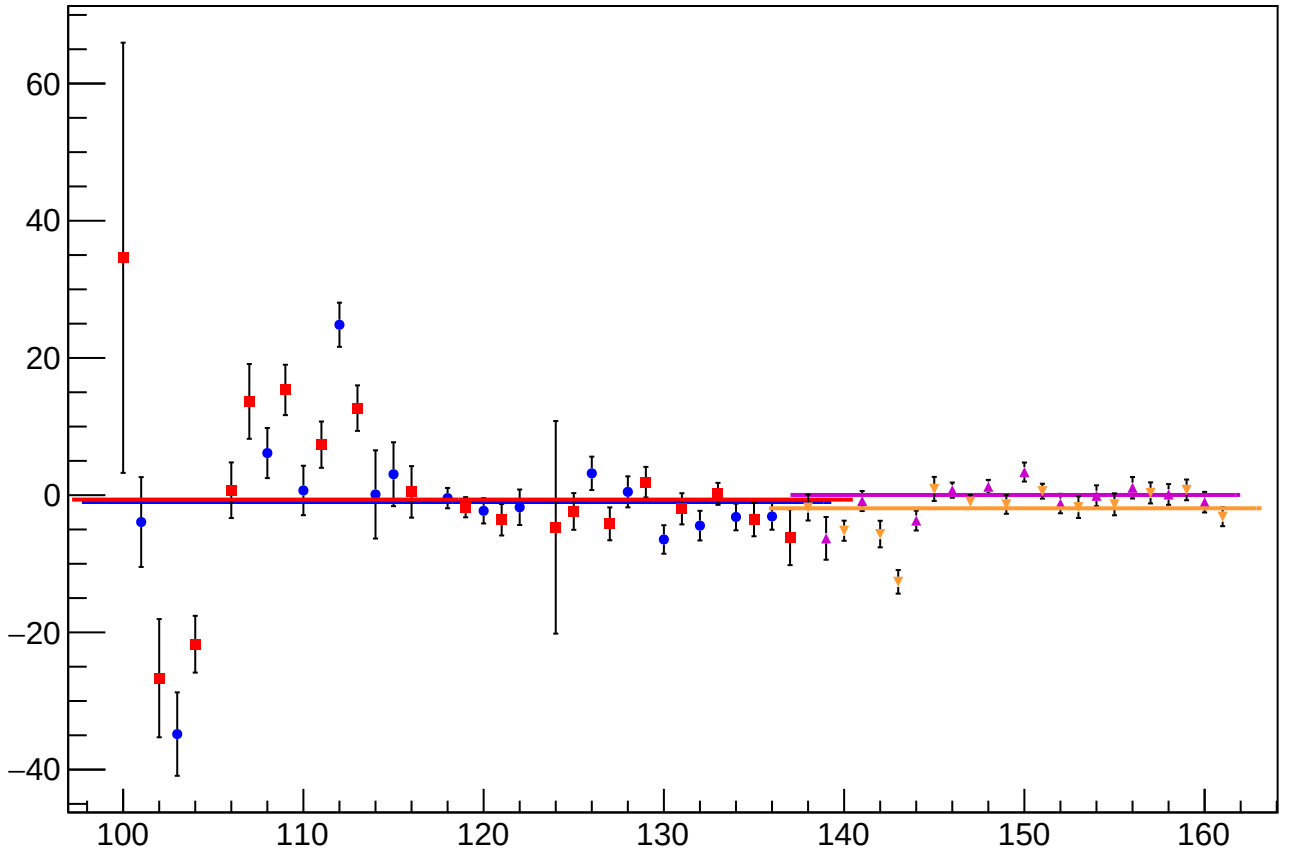
Left: 14.192+/-0.428 χ^2/NDF: 403.0/23

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.380+/-0.437 χ^2/NDF:1201.7/26

Out: 13.188+/-0.426 χ^2/NDF:2259.5/31

All: 12.795+/-0.305 χ^2/NDF: 3462.9/58



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.910+/-0.399 χ^2/NDF:62.8/12

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.032+/-0.422 χ^2/NDF:20.6/10

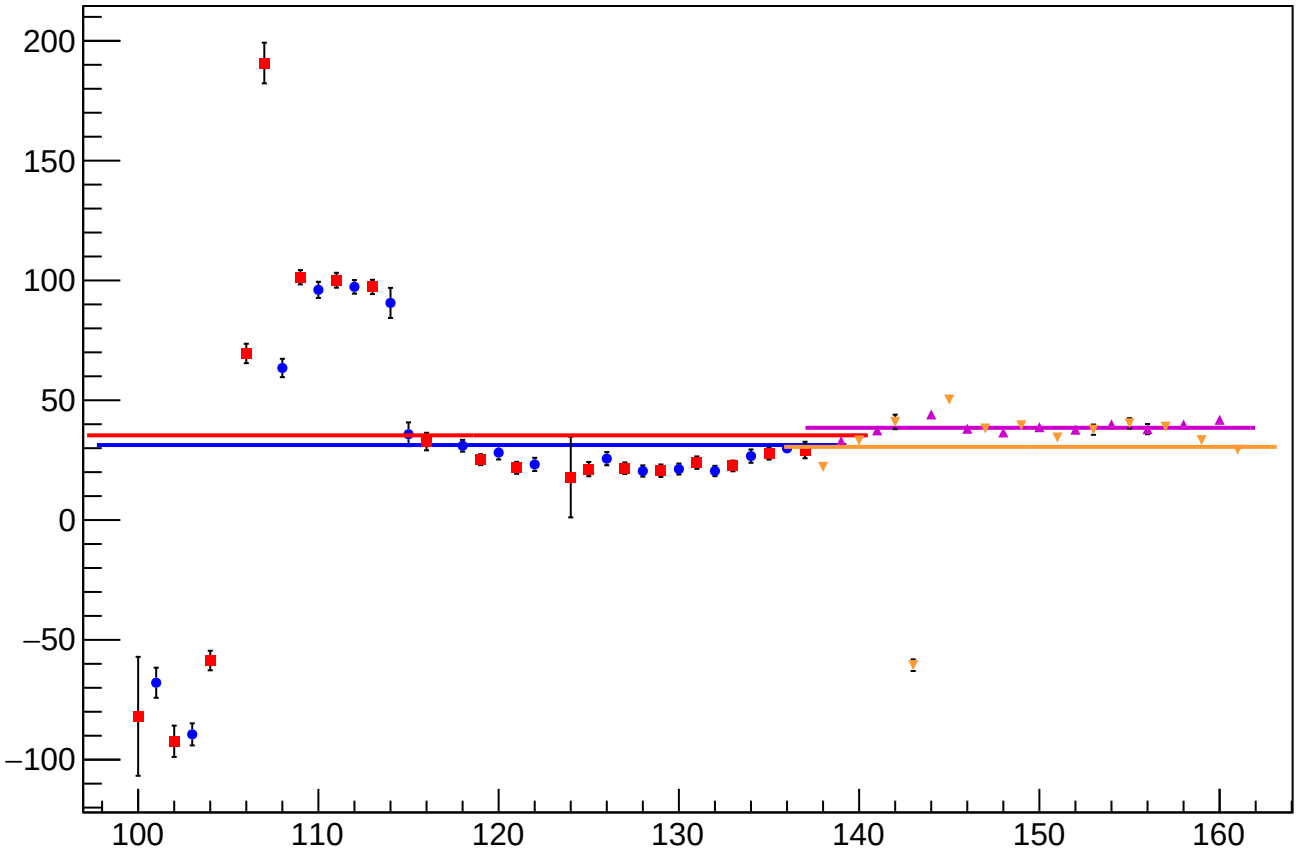
Left: -0.995+/-0.290 χ^2/NDF: 94.6/23

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.293+/-0.349 χ^2/NDF:138.8/26

Out: -1.553+/-0.338 χ^2/NDF:159.9/31

All: -0.943+/-0.243 χ^2/NDF: 305.4/58



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.549+/-0.572 χ^2/NDF:1625.3/12

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 38.508+/-0.600 χ^2/NDF:22.3/10

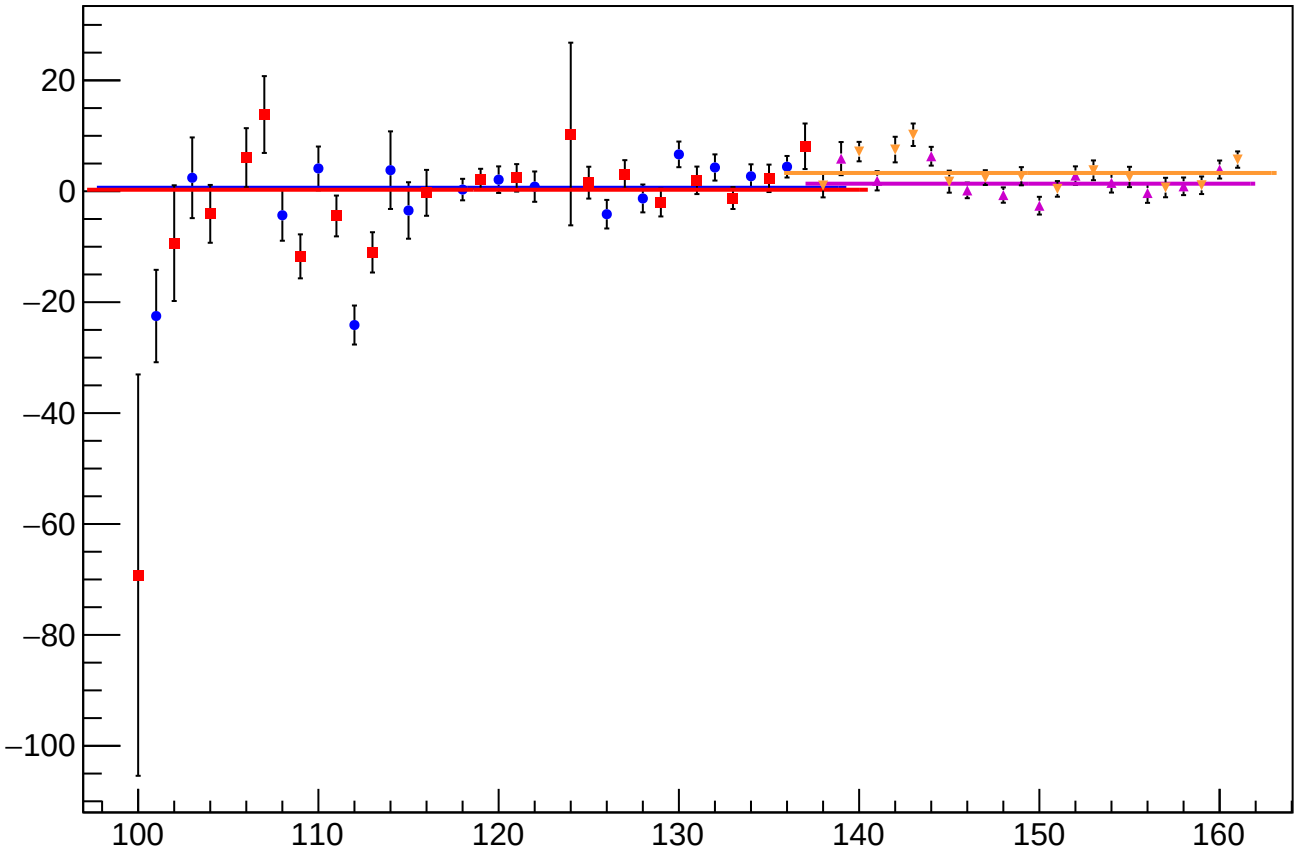
Left: 34.339+/-0.414 χ^2/NDF: 1739.7/23

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 35.459+/-0.456 χ^2/NDF:2169.1/26

Out: 32.423+/-0.447 χ^2/NDF:4550.5/31

All: 33.913+/-0.319 χ^2/NDF: 6742.2/58



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.300+/-0.473 χ^2/NDF:33.3/12

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.367+/-0.501 χ^2/NDF:24.2/10

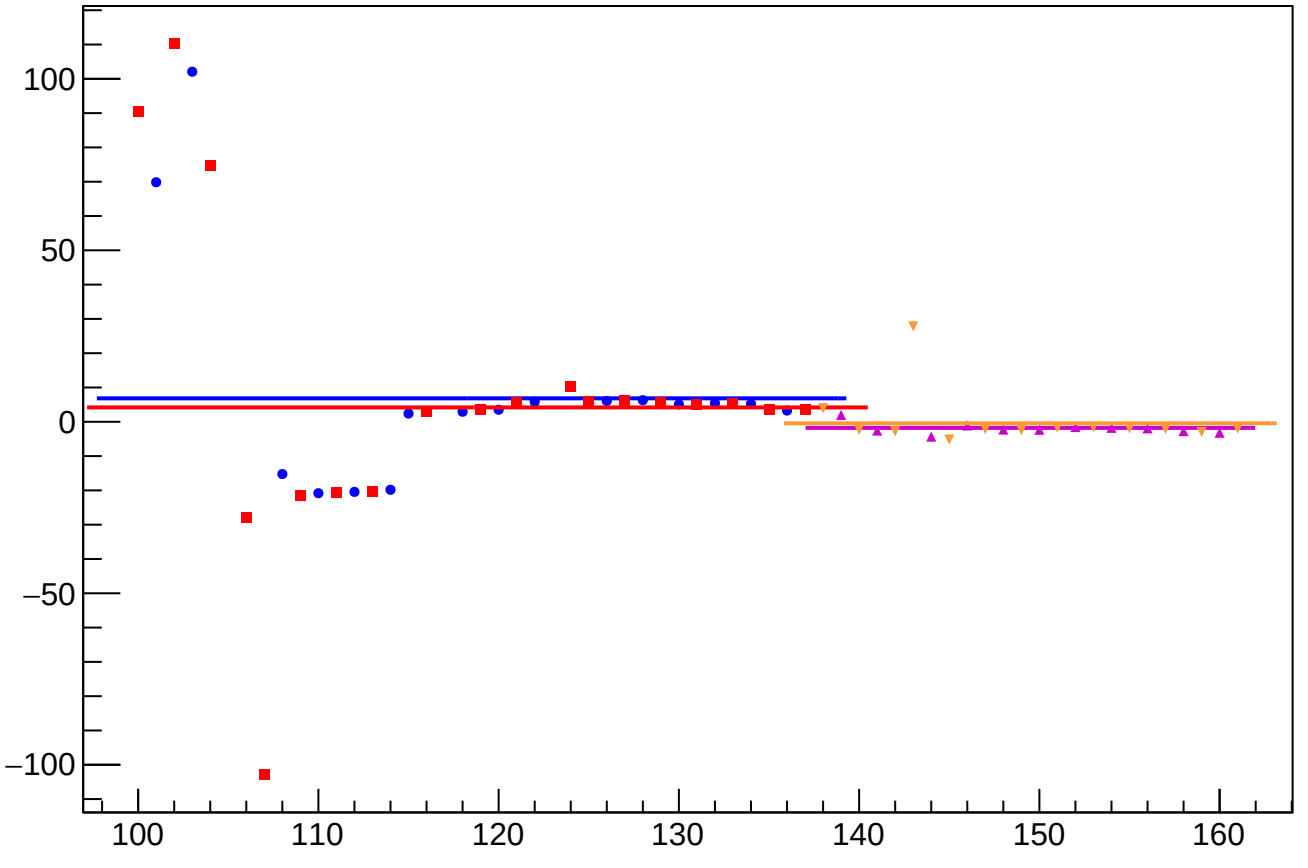
Left: 2.388+/-0.344 χ^2/NDF: 65.4/23

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.120+/-0.408 χ^2/NDF:103.4/26

Out: 2.398+/-0.396 χ^2/NDF:85.9/31

All: 1.778+/-0.284 χ^2/NDF: 194.4/58



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.436+/-0.022 χ^2/NDF:90786.1/12

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.773+/-0.022 χ^2/NDF:5065.1/10

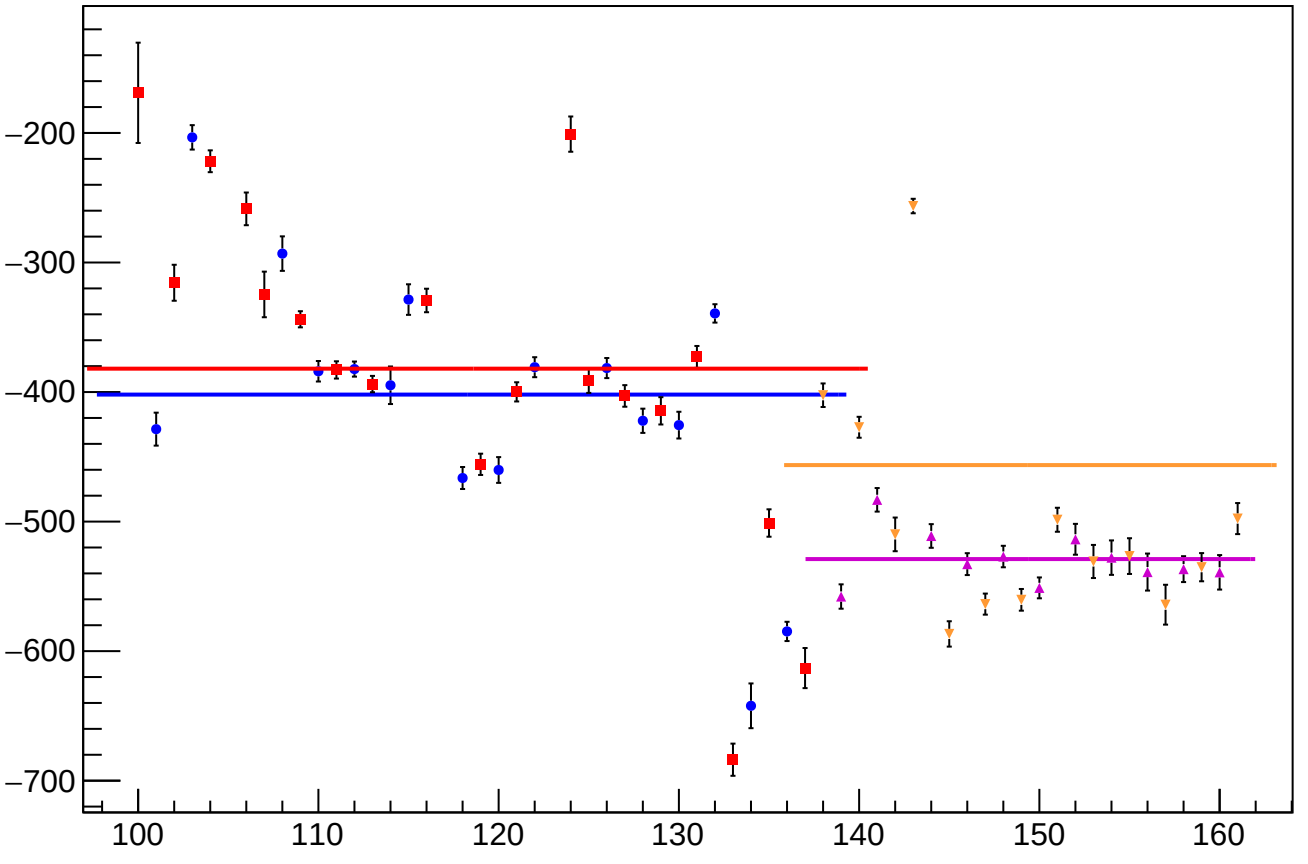
Left: -1.081+/-0.016 χ^2/NDF: 97681.3/23

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.086+/-0.020 χ^2/NDF:357689.5/26

Out: 0.397+/-0.020 χ^2/NDF:533521.2/31

All: 0.243+/-0.014 χ^2/NDF: 891334.0/58



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -456.382+/-2.601 χ^2/NDF:2046.2/12

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -528.931+/-2.980 χ^2/NDF:49.8/10

Left: -487.747+/-1.959 χ^2/NDF: 2432.4/23

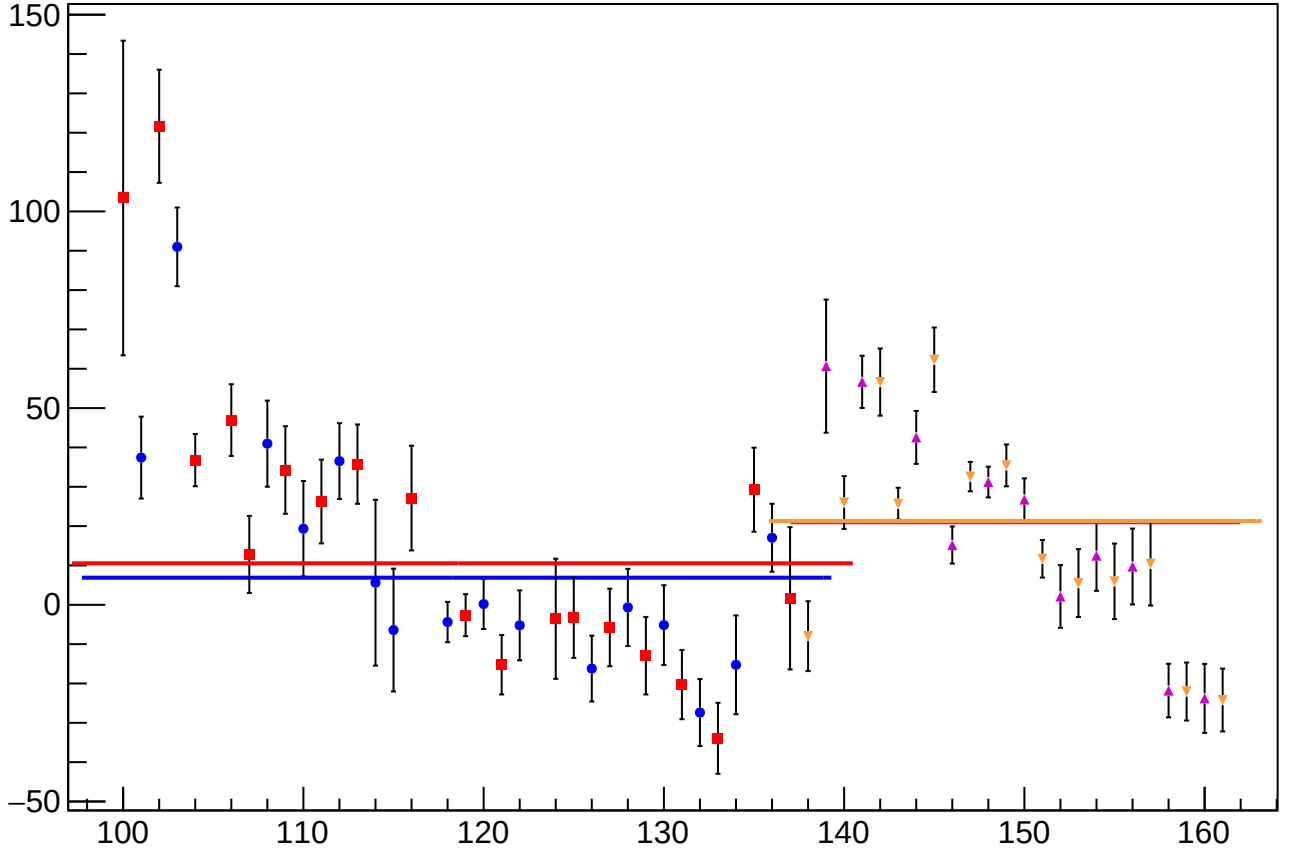
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -447.696+/-1.789 χ^2/NDF:2774.5/26

Out: -411.738+/-1.645 χ^2/NDF:4355.0/31

All: -428.219+/-1.211 χ^2/NDF: 7348.4/58

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 21.297+/-1.708 χ^2/NDF:148.9/12

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 20.984+/-1.936 χ^2/NDF:127.6/10

Left: 21.160+/-1.281 χ^2/NDF: 276.5/23

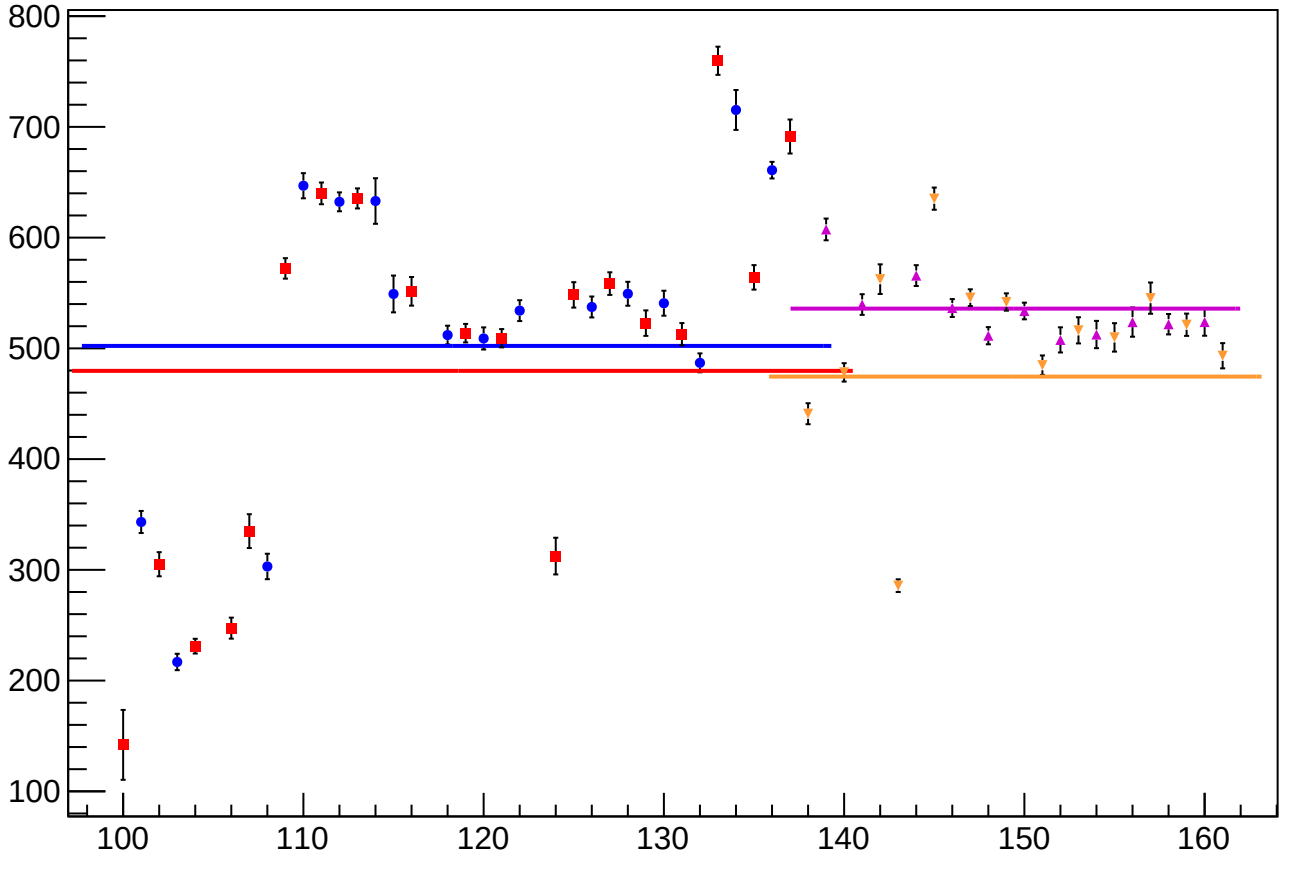
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 15.031+/-1.471 χ^2/NDF:288.5/26

Out: 17.245+/-1.349 χ^2/NDF:343.9/31

All: 16.235+/-0.994 χ^2/NDF: 633.5/58

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 474.509+/-2.549 χ^2/NDF:1626.6/12

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 535.884+/-2.873 χ^2/NDF:87.4/10

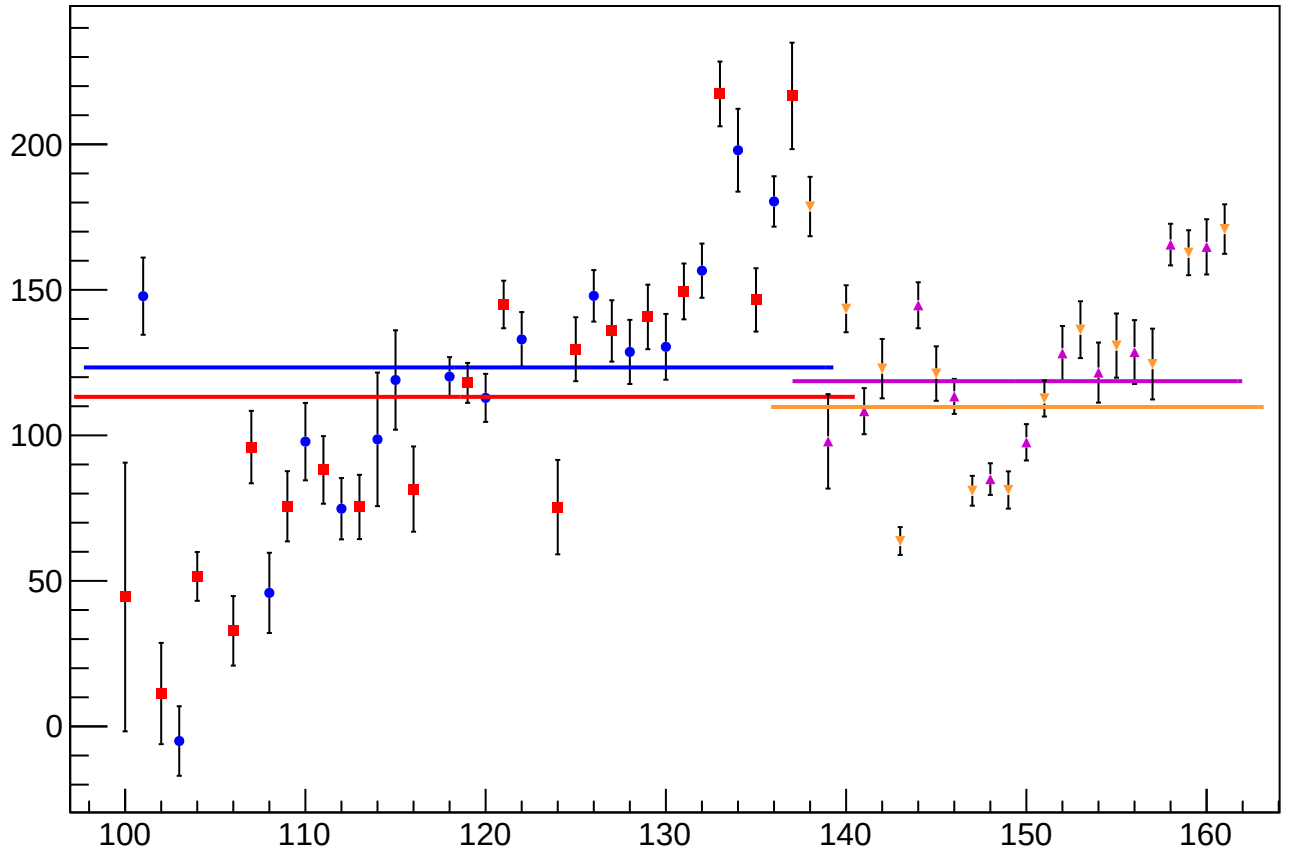
Left: 501.545+/-1.907 χ^2/NDF: 1969.3/23

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.676+/-1.883 χ^2/NDF:3300.9/26

Out: 477.250+/-1.747 χ^2/NDF:5767.3/31

All: 495.491+/-1.281 χ^2/NDF: 9303.8/58



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 109.747+/-2.067 χ^2/NDF:321.6/12

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 118.624+/-2.339 χ^2/NDF:133.3/10

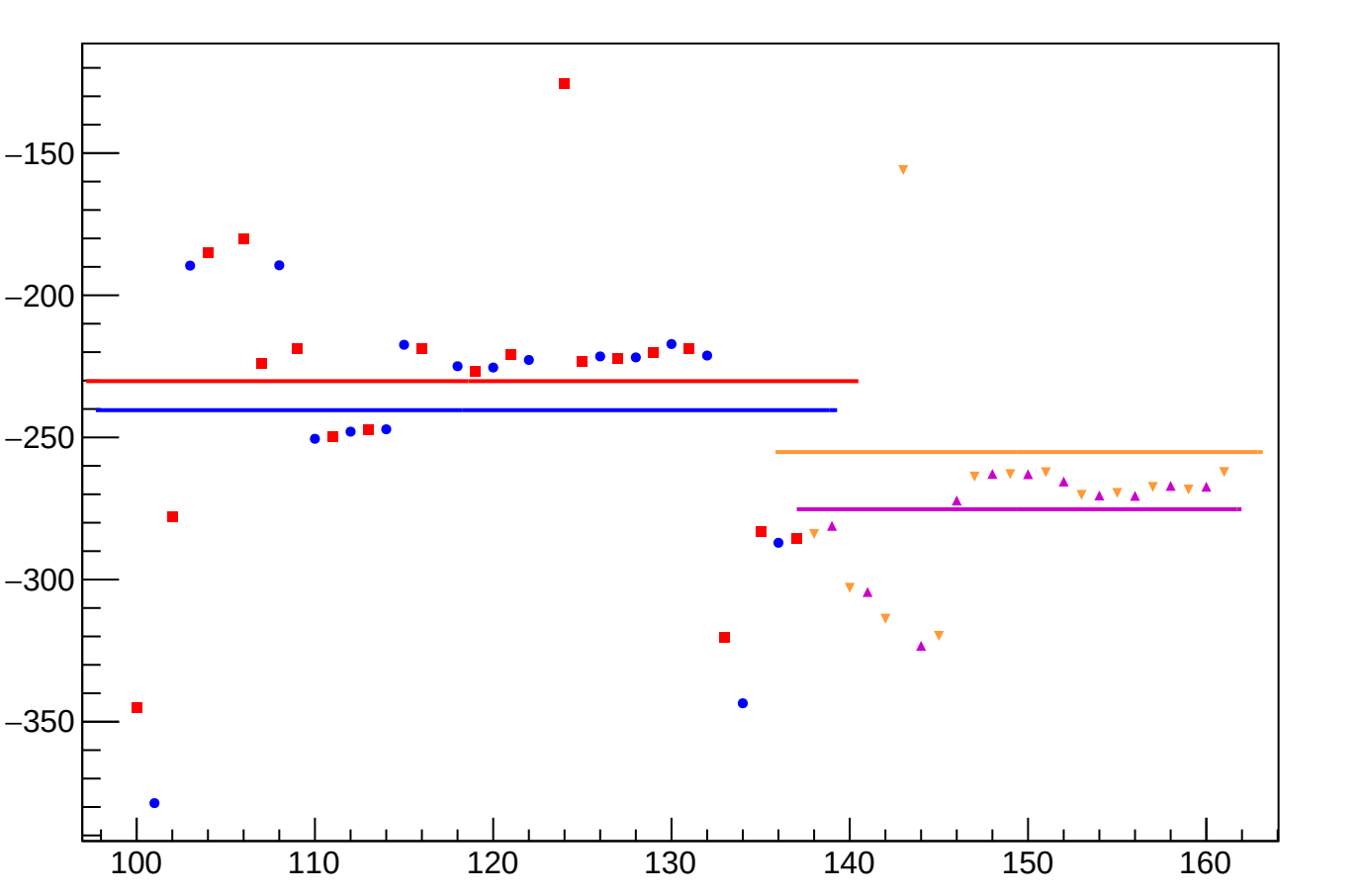
Left: 113.638+/-1.549 χ^2/NDF: 463.0/23

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 120.711+/-1.747 χ^2/NDF:406.4/26

Out: 111.133+/-1.604 χ^2/NDF:668.5/31

All: 115.515+/-1.182 χ^2/NDF: 1091.3/58



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.147+/-0.101 χ^2/NDF:238573.0/12

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -275.248+/-0.110 χ^2/NDF:24149.8/10

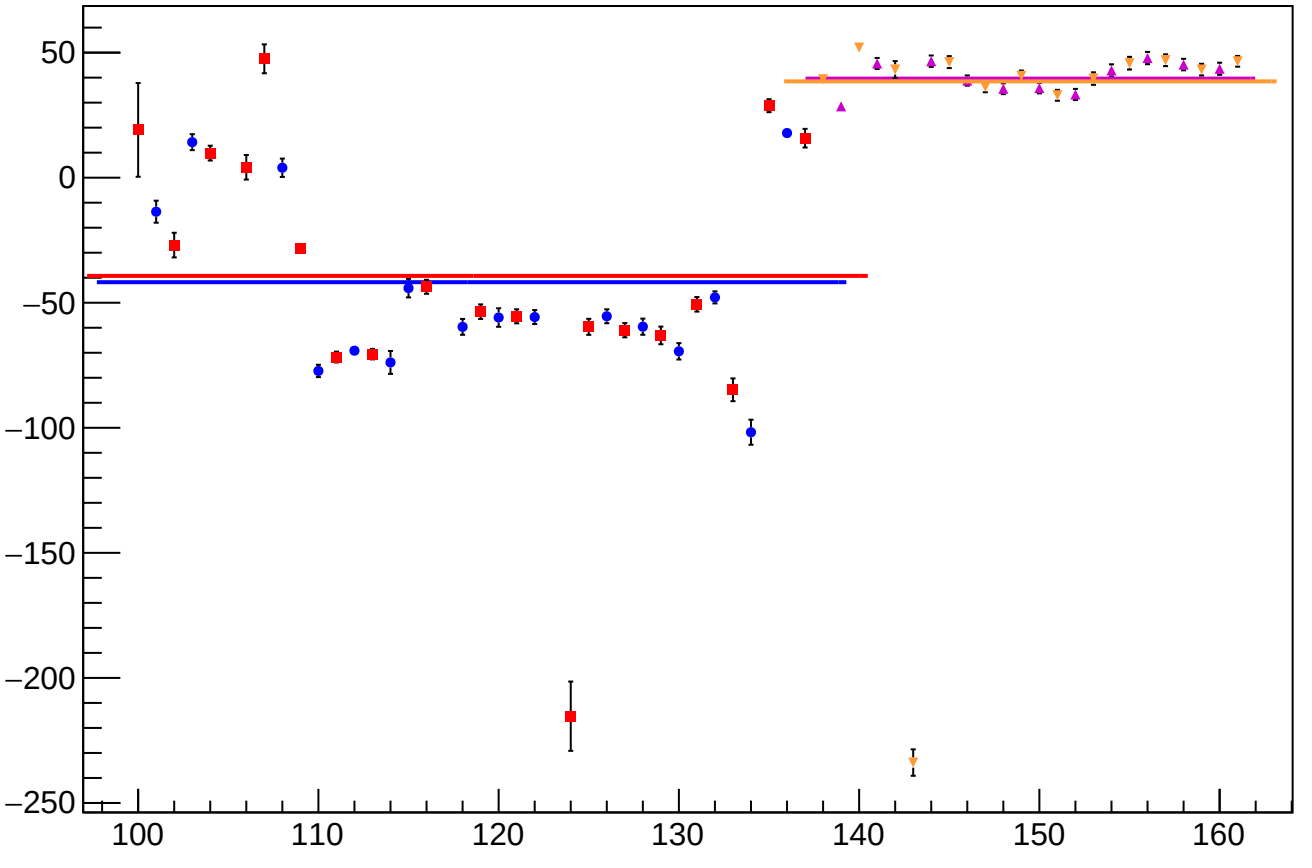
Left: -264.302+/-0.075 χ^2/NDF: 280773.2/23

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.072+/-0.089 χ^2/NDF:193101.1/26

Out: -247.115+/-0.083 χ^2/NDF:341653.8/31

All: -254.547+/-0.061 χ^2/NDF: 551912.1/58



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.502+/-0.651 χ^2/NDF:2758.8/12

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 39.616+/-0.668 χ^2/NDF:86.5/10

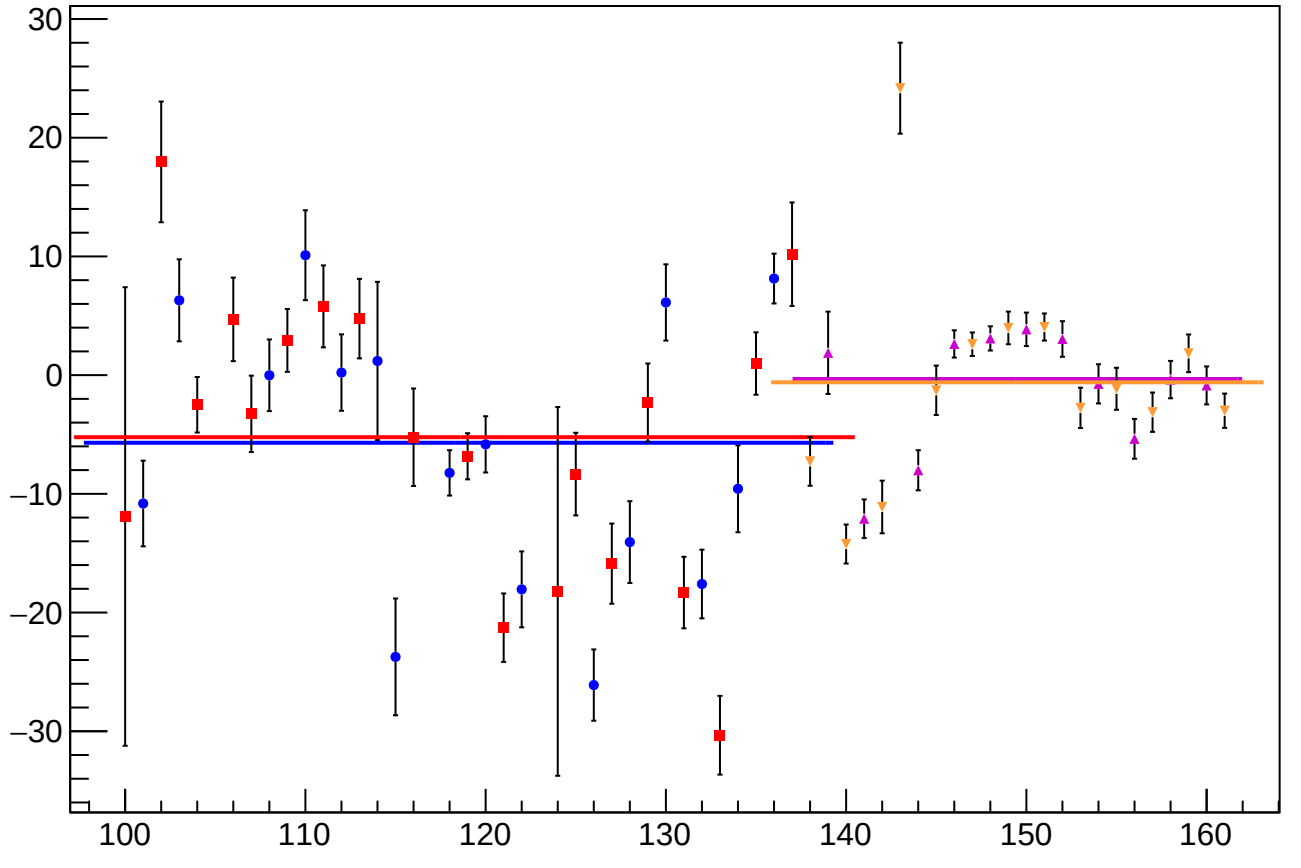
Left: 39.044+/-0.466 χ^2/NDF: 2846.8/23

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 2.118+/-0.491 χ^2/NDF:9326.9/26

Out: 1.285+/-0.470 χ^2/NDF:12063.6/31

All: 1.683+/-0.340 χ^2/NDF: 21392.0/58



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.603+/-0.433 χ^2/NDF:191.0/12

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.325+/-0.448 χ^2/NDF:114.3/10

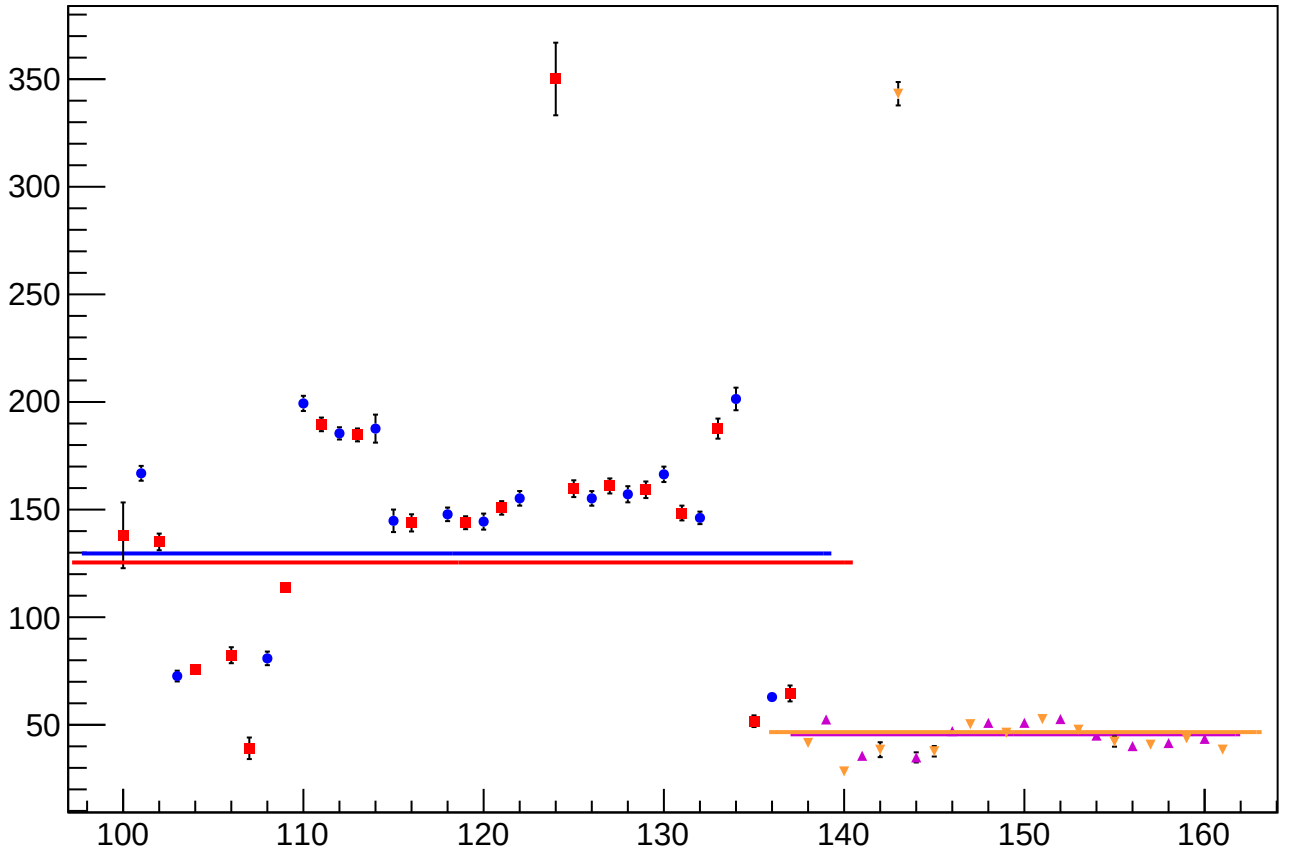
Left: -0.468+/-0.311 χ^2/NDF: 305.5/23

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.727+/-0.385 χ^2/NDF:348.7/26

Out: -1.784+/-0.374 χ^2/NDF:417.4/31

All: -1.756+/-0.268 χ^2/NDF: 766.1/58



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.614+/-0.629 χ^2/NDF:3121.2/12

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.588+/-0.643 χ^2/NDF:88.4/10

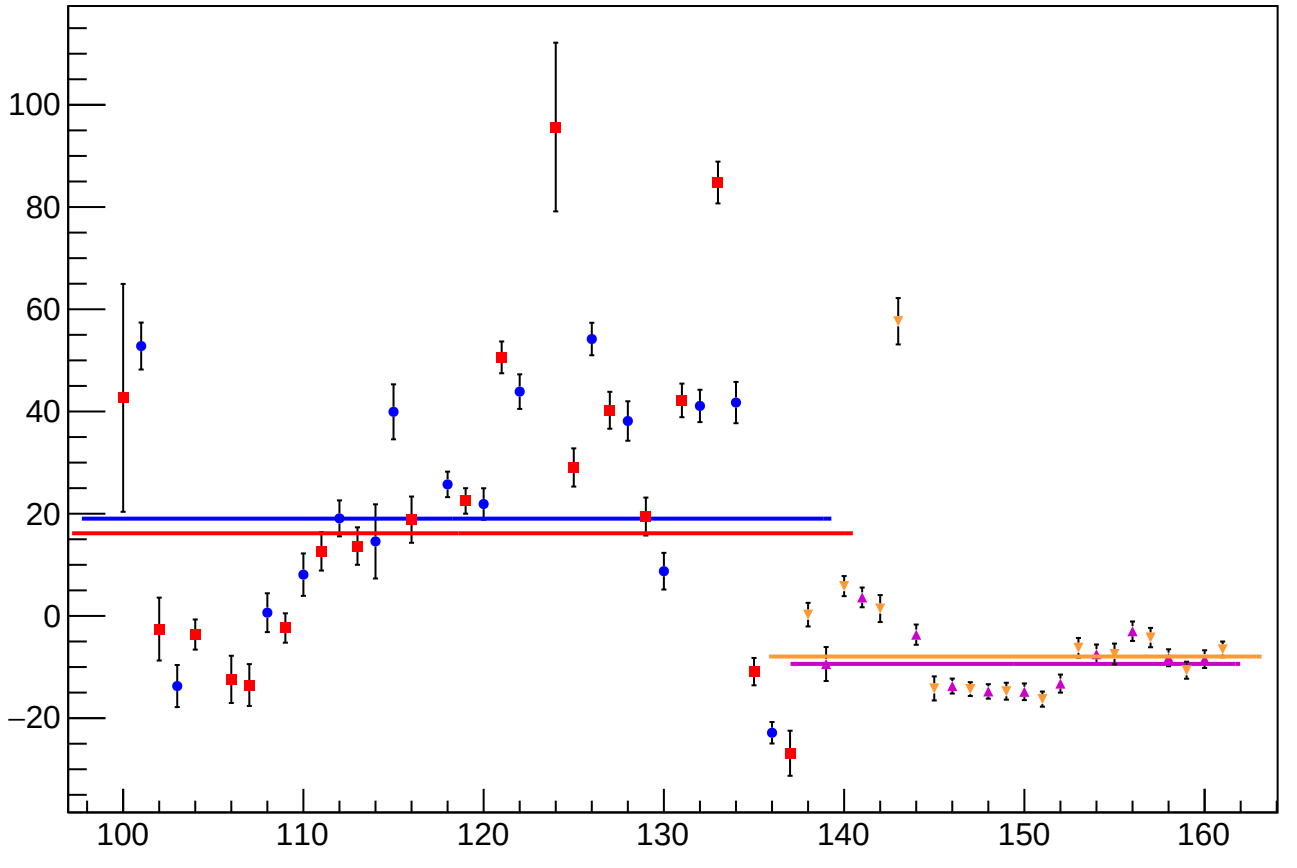
Left: 46.113+/-0.450 χ^2/NDF: 3210.9/23

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 78.547+/-0.501 χ^2/NDF:10408.4/26

Out: 77.184+/-0.492 χ^2/NDF:12721.3/31

All: 77.852+/-0.351 χ^2/NDF: 23133.4/58



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.936+/-0.516 χ^2/NDF:369.2/12

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.384+/-0.533 χ^2/NDF:106.0/10

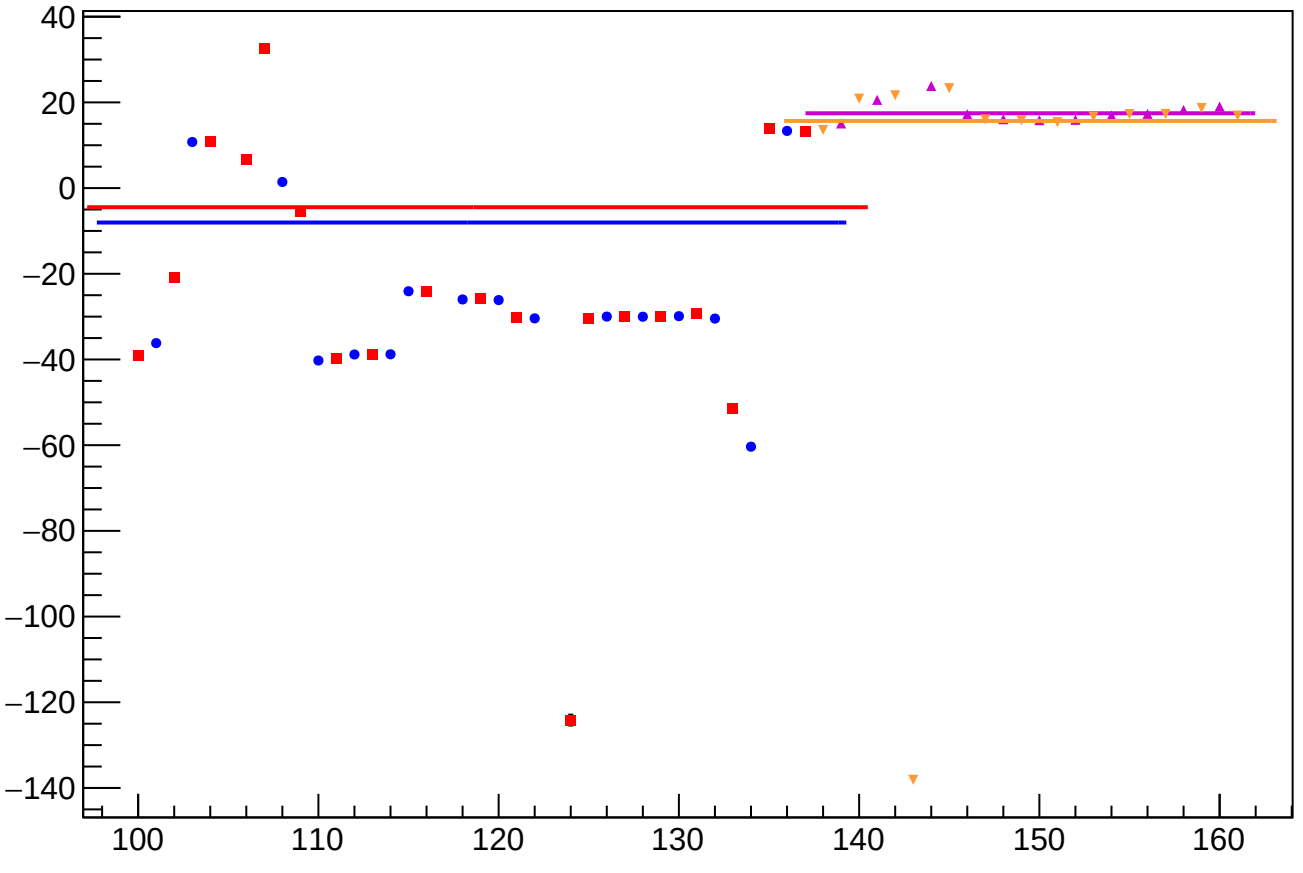
Left: -8.637+/-0.371 χ^2/NDF: 479.1/23

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.504+/-0.453 χ^2/NDF:1753.5/26

Out: -1.400+/-0.440 χ^2/NDF:1902.5/31

All: -1.451+/-0.316 χ^2/NDF: 3656.1/58



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.671+/-0.024 χ^2/NDF:476116.2/12

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.461+/-0.024 χ^2/NDF:7571.1/10

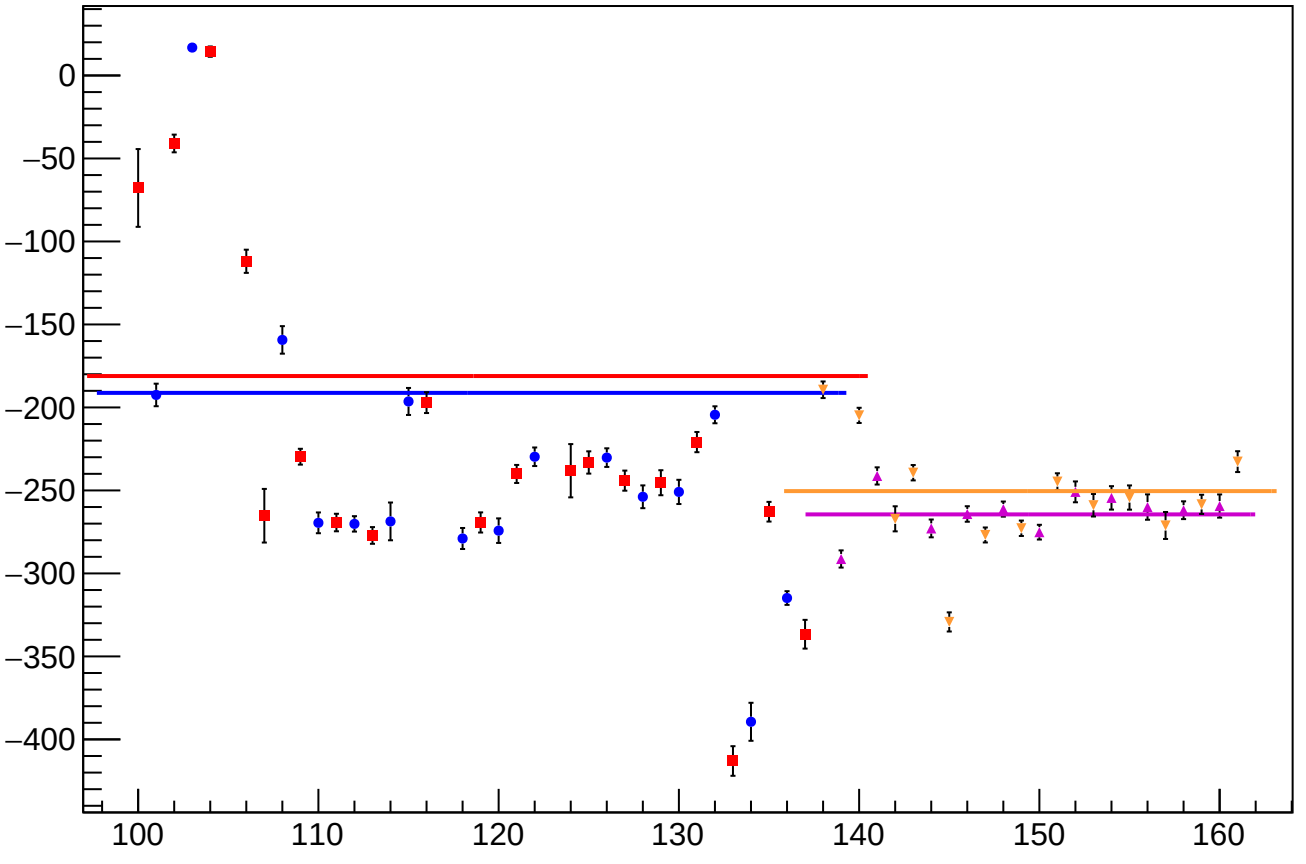
Left: 16.554+/-0.017 χ^2/NDF: 486487.1/23

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.946+/-0.021 χ^2/NDF:518072.6/26

Out: 11.544+/-0.021 χ^2/NDF:851657.5/31

All: 11.744+/-0.015 χ^2/NDF: 1369908.3/58



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.411+/-1.529 χ^2/NDF:522.7/12

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -264.439+/-1.640 χ^2/NDF:63.4/10

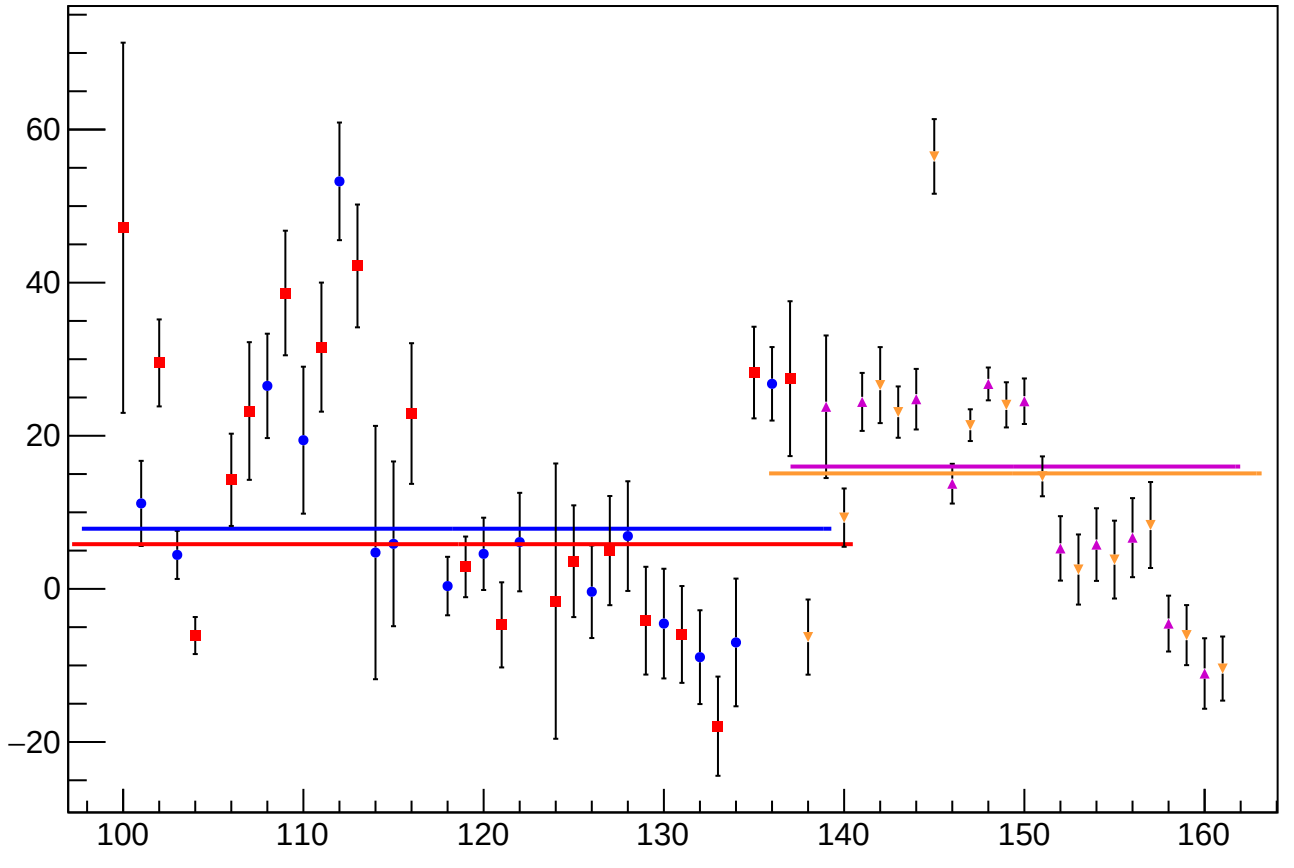
Left: -256.935+/-1.119 χ^2/NDF: 625.3/23

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -222.552+/-1.073 χ^2/NDF:8427.8/26

Out: -212.257+/-1.026 χ^2/NDF:9027.6/31

All: -217.172+/-0.741 χ^2/NDF: 17503.5/58



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 15.084+/-0.992 χ^2/NDF:202.9/12

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 15.979+/-1.063 χ^2/NDF:125.3/10

Left: 15.500+/-0.725 χ^2/NDF: 328.6/23

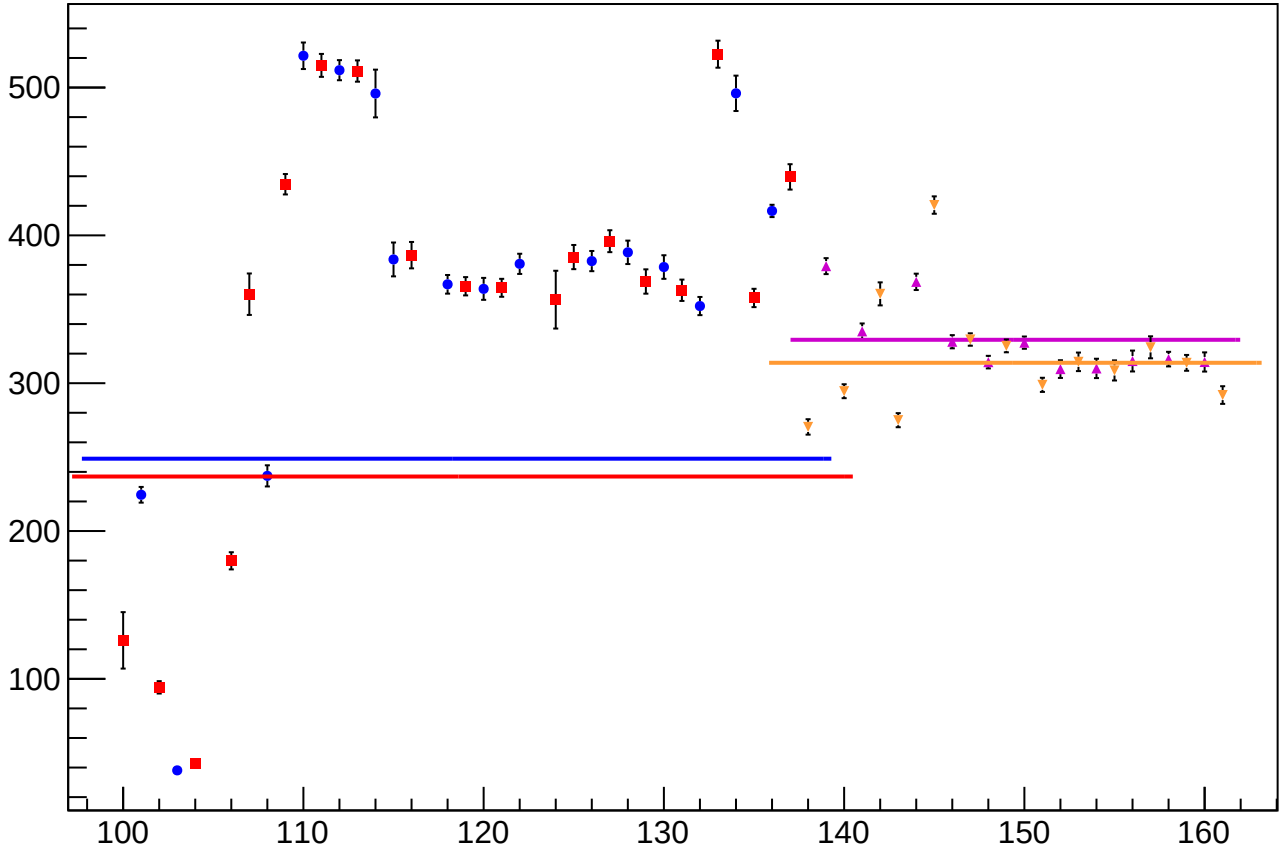
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 13.109+/-0.855 χ^2/NDF:226.8/26

Out: 11.861+/-0.800 χ^2/NDF:375.1/31

All: 12.444+/-0.584 χ^2/NDF: 603.1/58

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: 313.810+/-1.487 χ^2/NDF:563.3/12

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 329.366+/-1.578 χ^2/NDF:185.6/10

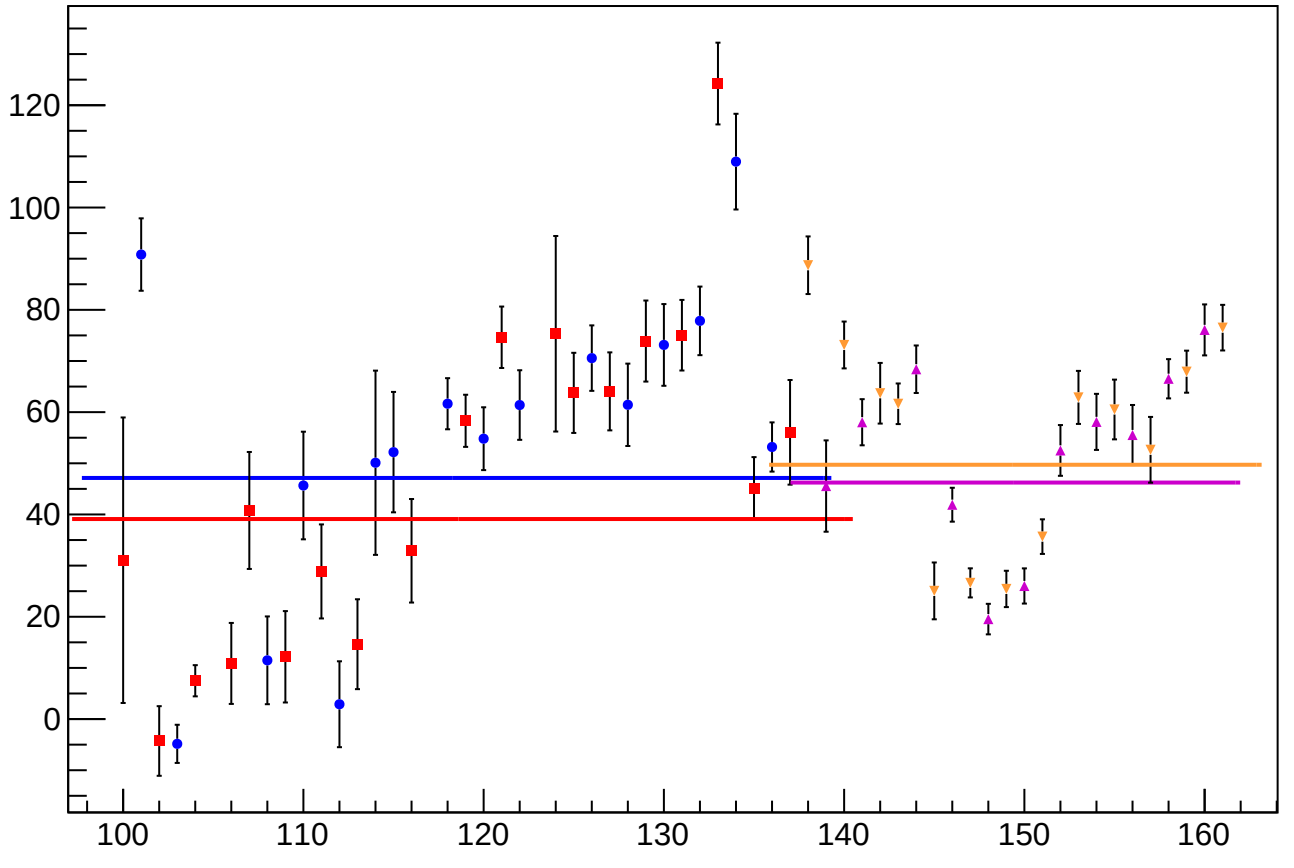
Left: 321.124+/-1.082 χ^2/NDF: 800.4/23

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 284.966+/-1.056 χ^2/NDF:16921.7/26

Out: 273.213+/-1.022 χ^2/NDF:17633.7/31

All: 278.895+/-0.734 χ^2/NDF: 34619.4/58



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 49.715+/-1.200 χ^2/NDF:304.0/12

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 46.235+/-1.283 χ^2/NDF:218.4/10

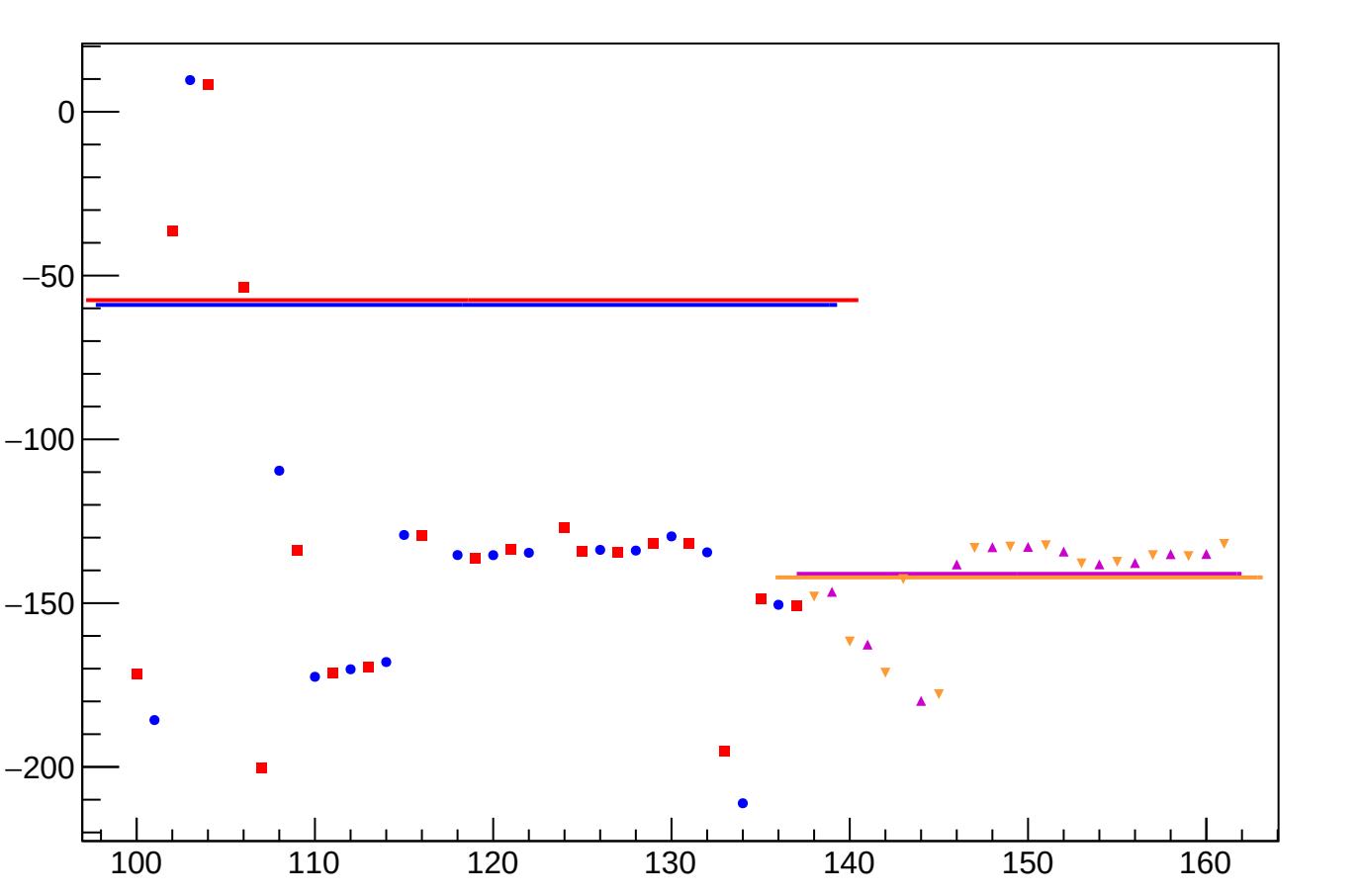
Left: 48.091+/-0.877 χ^2/NDF: 526.4/23

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 46.570+/-1.017 χ^2/NDF:603.9/26

Out: 45.881+/-0.959 χ^2/NDF:748.7/31

All: 46.206+/-0.698 χ^2/NDF: 1352.9/58



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -142.136+/-0.058 χ^2/NDF:54009.9/12

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -141.058+/-0.060 χ^2/NDF:43231.5/10

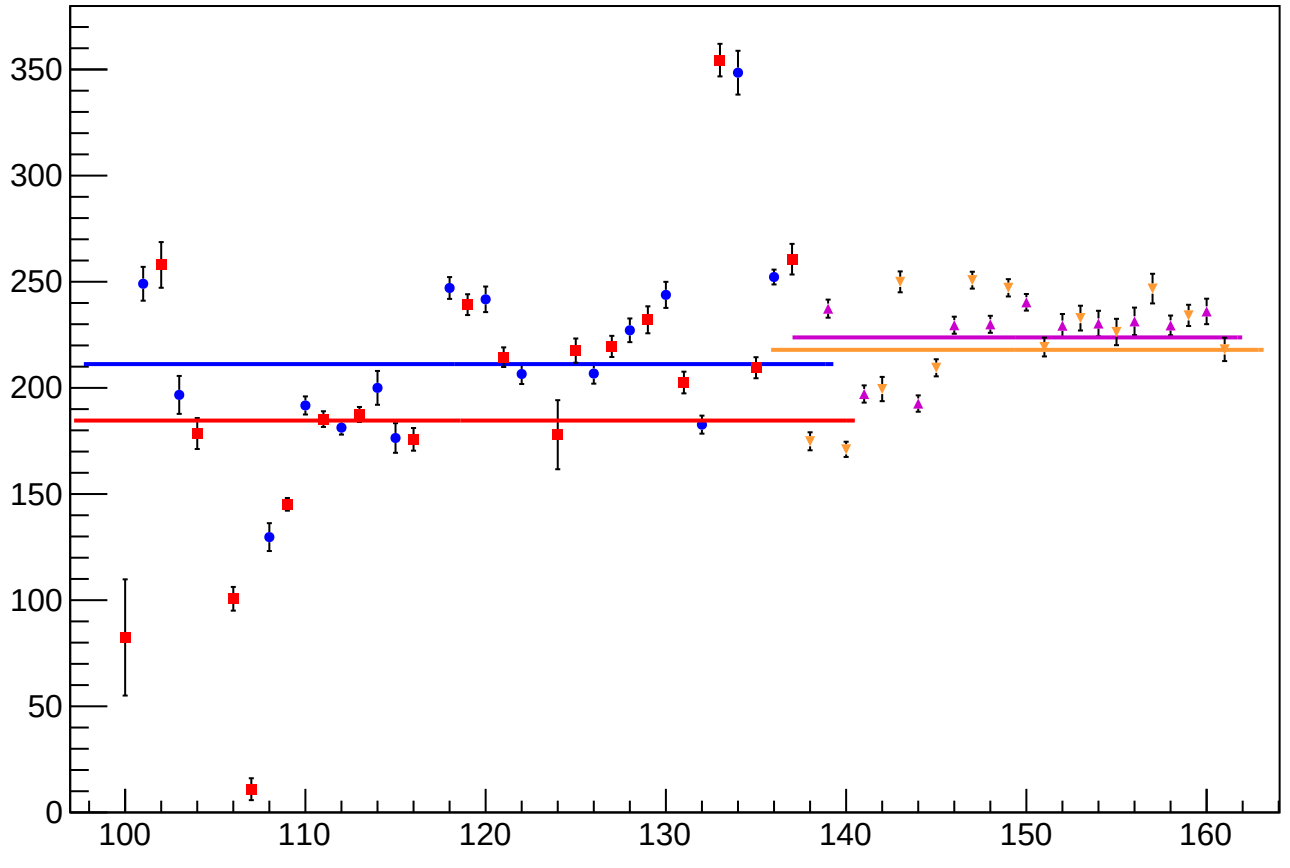
Left: -141.617+/-0.042 χ^2/NDF: 97406.7/23

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -107.508+/-0.046 χ^2/NDF:2026468.8/26

Out: -109.903+/-0.046 χ^2/NDF:1729636.9/31

All: -108.721+/-0.033 χ^2/NDF: 3757453.3/58



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 217.925+/-1.302 χ^2/NDF:486.7/12

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 223.779+/-1.371 χ^2/NDF:150.2/10

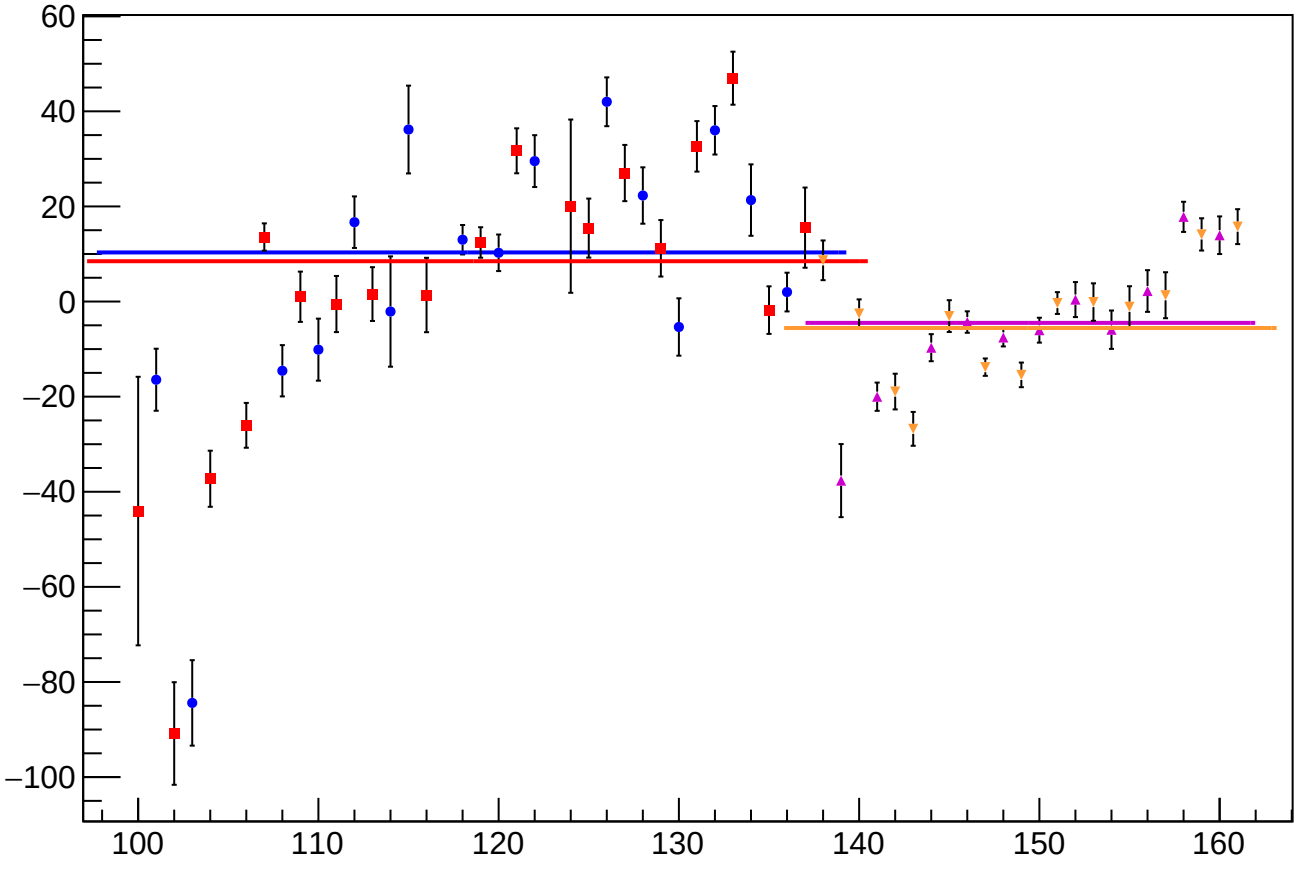
Left: 220.700+/-0.944 χ^2/NDF: 646.5/23

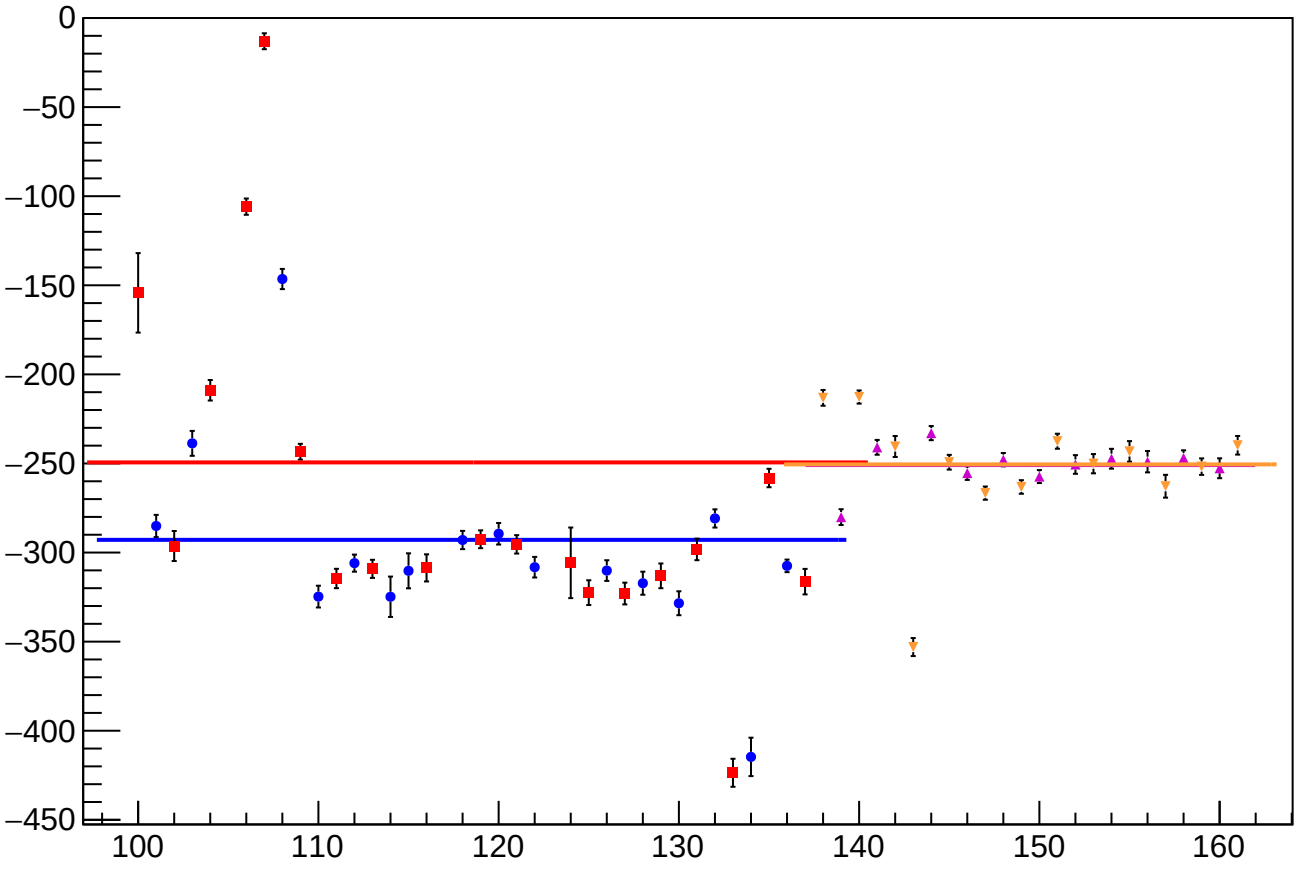
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 217.138+/-0.942 χ^2/NDF:977.6/26

Out: 199.828+/-0.880 χ^2/NDF:3382.7/31

All: 207.896+/-0.643 χ^2/NDF: 4540.6/58


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -5.566+/-0.854 χ²/NDF:173.8/12
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -4.487+/-0.903 χ²/NDF:127.7/10
Left: -5.056+/-0.621 χ²/NDF: 302.3/23
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 0.172+/-0.747 χ²/NDF:475.7/26
Out: -0.967+/-0.701 χ²/NDF:584.6/31
All: -0.434+/-0.511 χ²/NDF: 1061.6/58



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.523+/-1.269 χ^2/NDF:638.4/12

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -250.905+/-1.326 χ^2/NDF:76.1/10

Left: -250.706+/-0.917 χ^2/NDF: 714.5/23

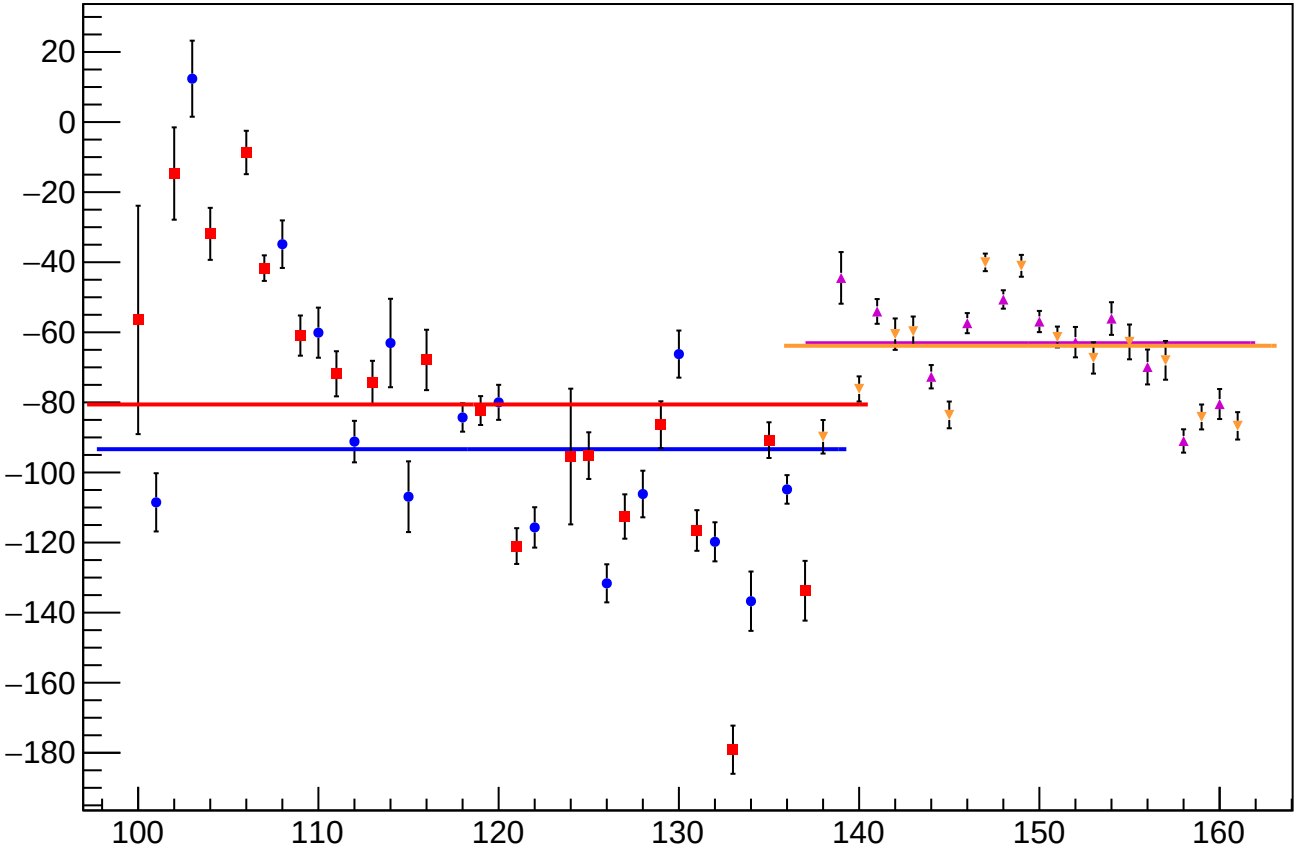
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -269.764+/-0.984 χ^2/NDF:1509.9/26

Out: -250.007+/-0.931 χ^2/NDF:6007.2/31

All: -259.338+/-0.676 χ^2/NDF: 7730.0/58

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -63.842+/-1.032 χ^2/NDF:282.0/12

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -63.116+/-1.086 χ^2/NDF:142.6/10

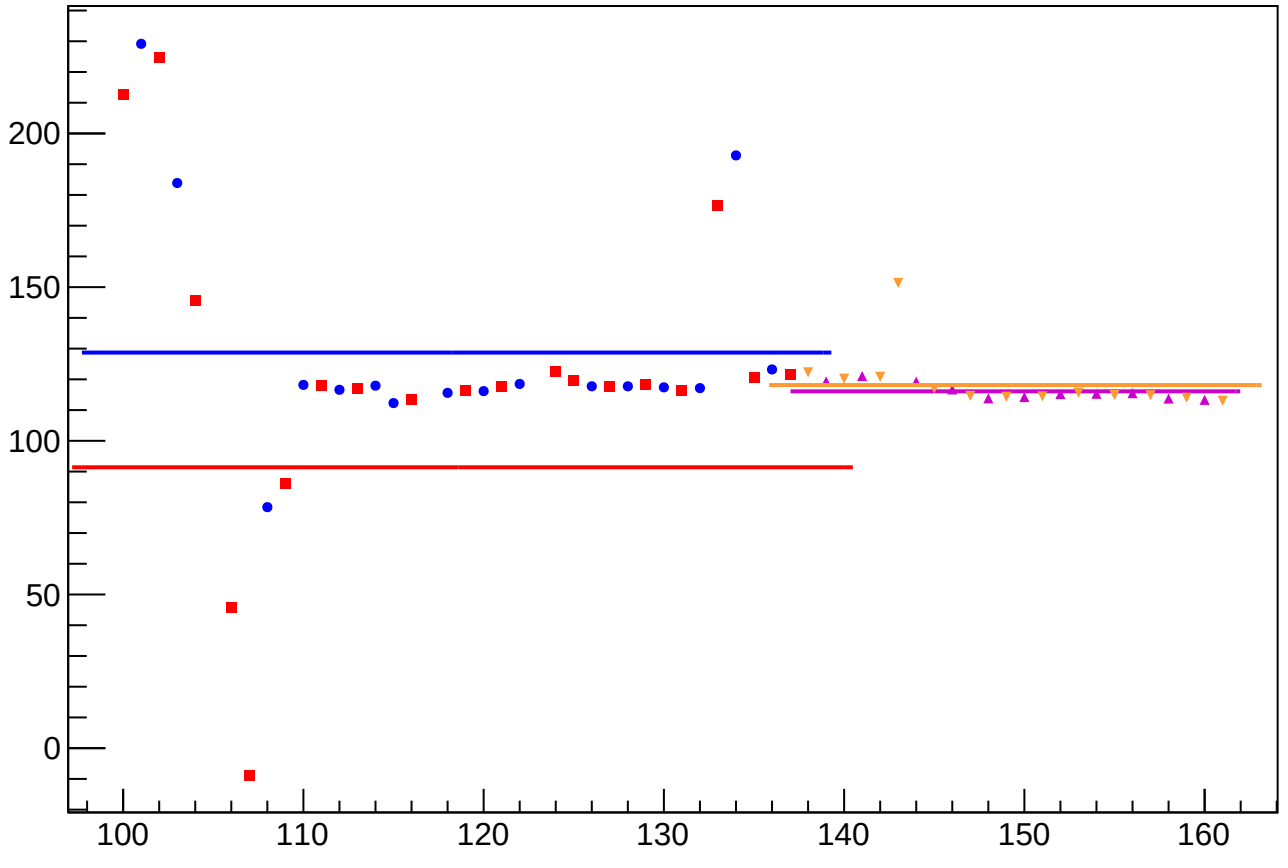
Left: -63.497+/-0.748 χ^2/NDF: 424.8/23

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -73.210+/-0.886 χ^2/NDF:756.8/26

Out: -69.610+/-0.836 χ^2/NDF:1088.0/31

All: -71.303+/-0.608 χ^2/NDF: 1853.5/58



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.145+/-0.050 χ^2/NDF:29311.4/12

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.103+/-0.051 χ^2/NDF:2476.4/10

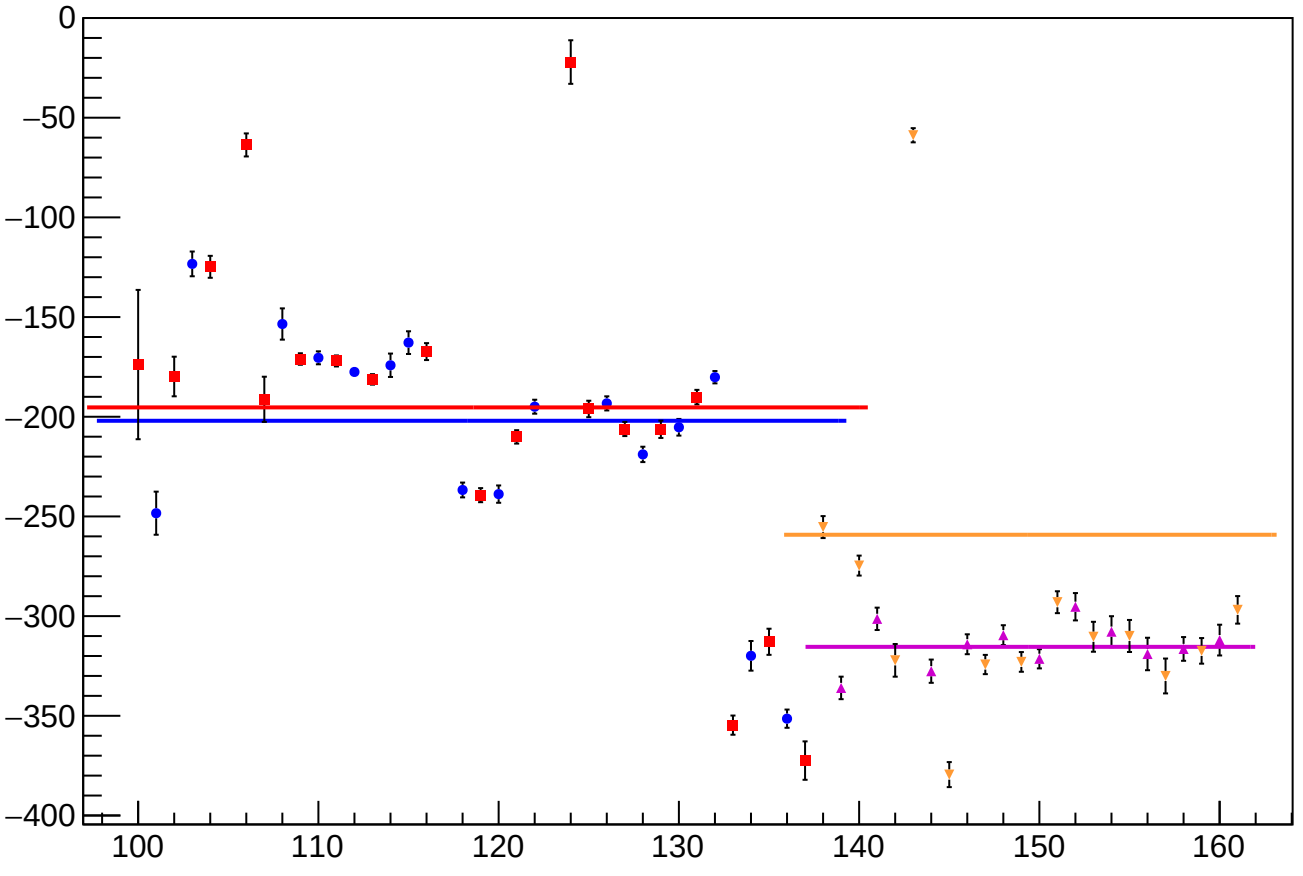
Left: 117.148+/-0.036 χ^2/NDF: 32611.0/23

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 119.206+/-0.044 χ^2/NDF:201093.5/26

Out: 110.557+/-0.042 χ^2/NDF:716304.5/31

All: 114.670+/-0.030 χ^2/NDF: 937467.9/58



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -259.190+/-1.580 χ^2/NDF:4257.8/12

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.412+/-1.784 χ^2/NDF:37.0/10

Left: -283.904+/-1.183 χ^2/NDF: 4851.3/23

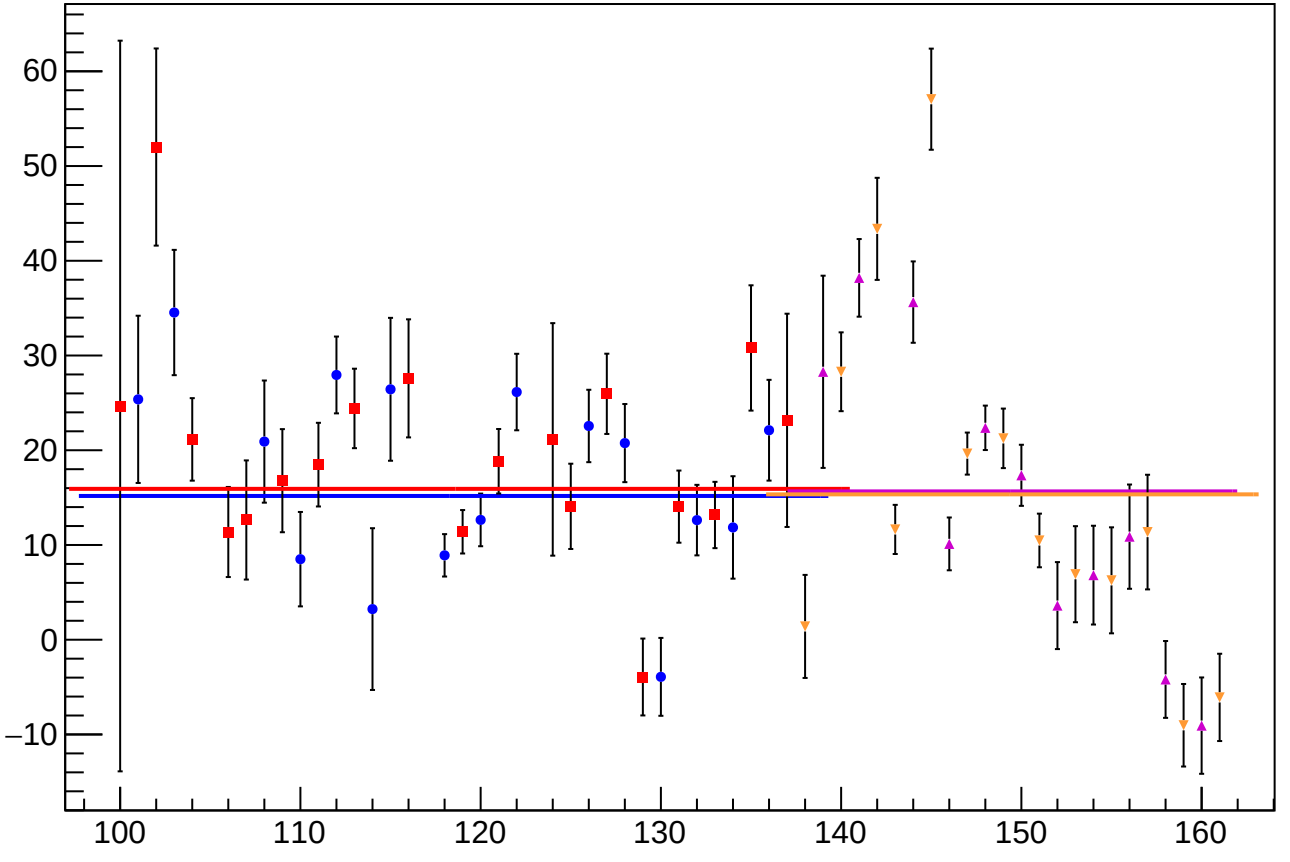
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -230.122+/-0.888 χ^2/NDF:5115.9/26

Out: -212.903+/-0.829 χ^2/NDF:8542.9/31

All: -220.922+/-0.606 χ^2/NDF: 13859.6/58

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 15.344+/-1.033 χ^2/NDF:175.4/12

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 15.657+/-1.157 χ^2/NDF:124.0/10

Left: 15.483+/-0.771 χ^2/NDF: 299.5/23

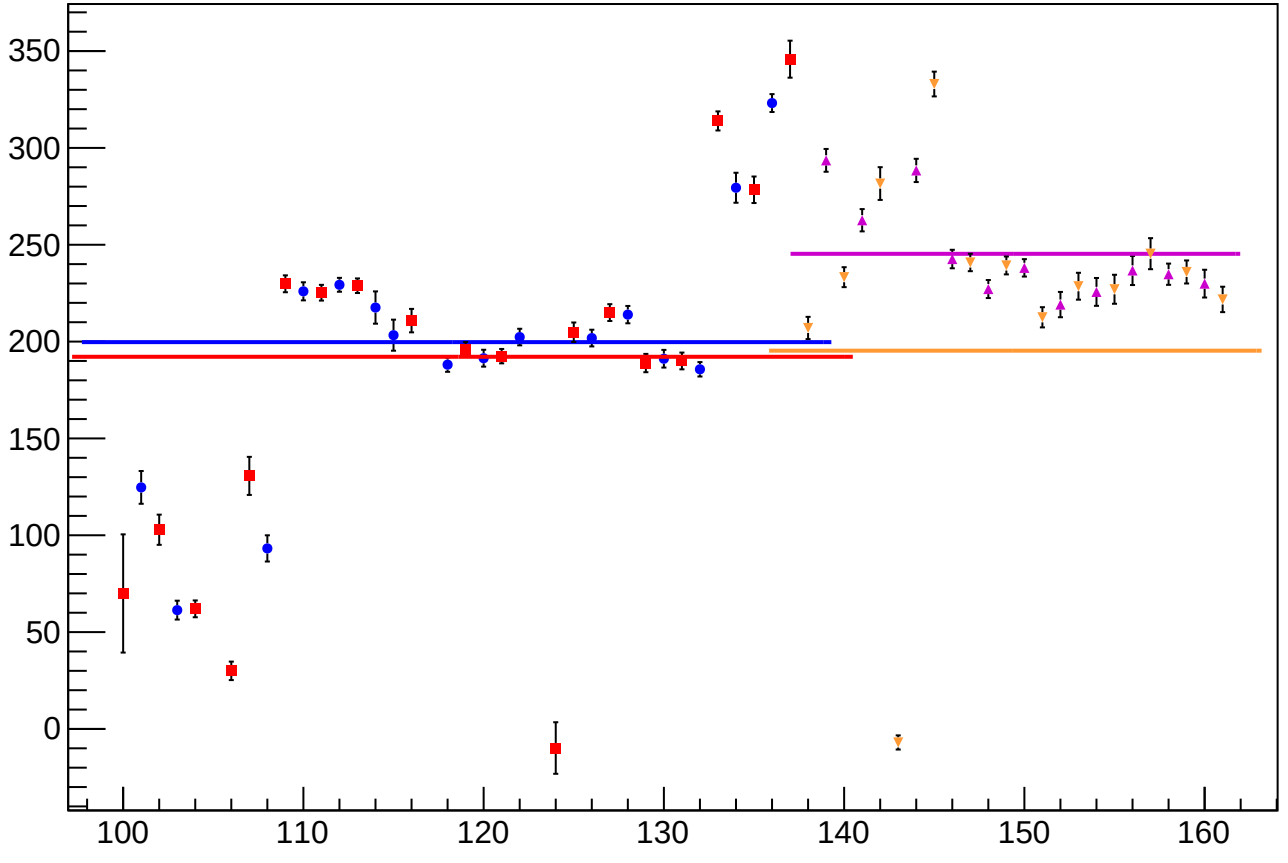
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 15.392+/-0.777 χ^2/NDF:196.4/26

Out: 15.634+/-0.732 χ^2/NDF:239.1/31

All: 15.520+/-0.533 χ^2/NDF: 435.6/58

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: 195.309+/-1.544 χ^2/NDF:4027.5/12

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 245.320+/-1.717 χ^2/NDF:179.0/10

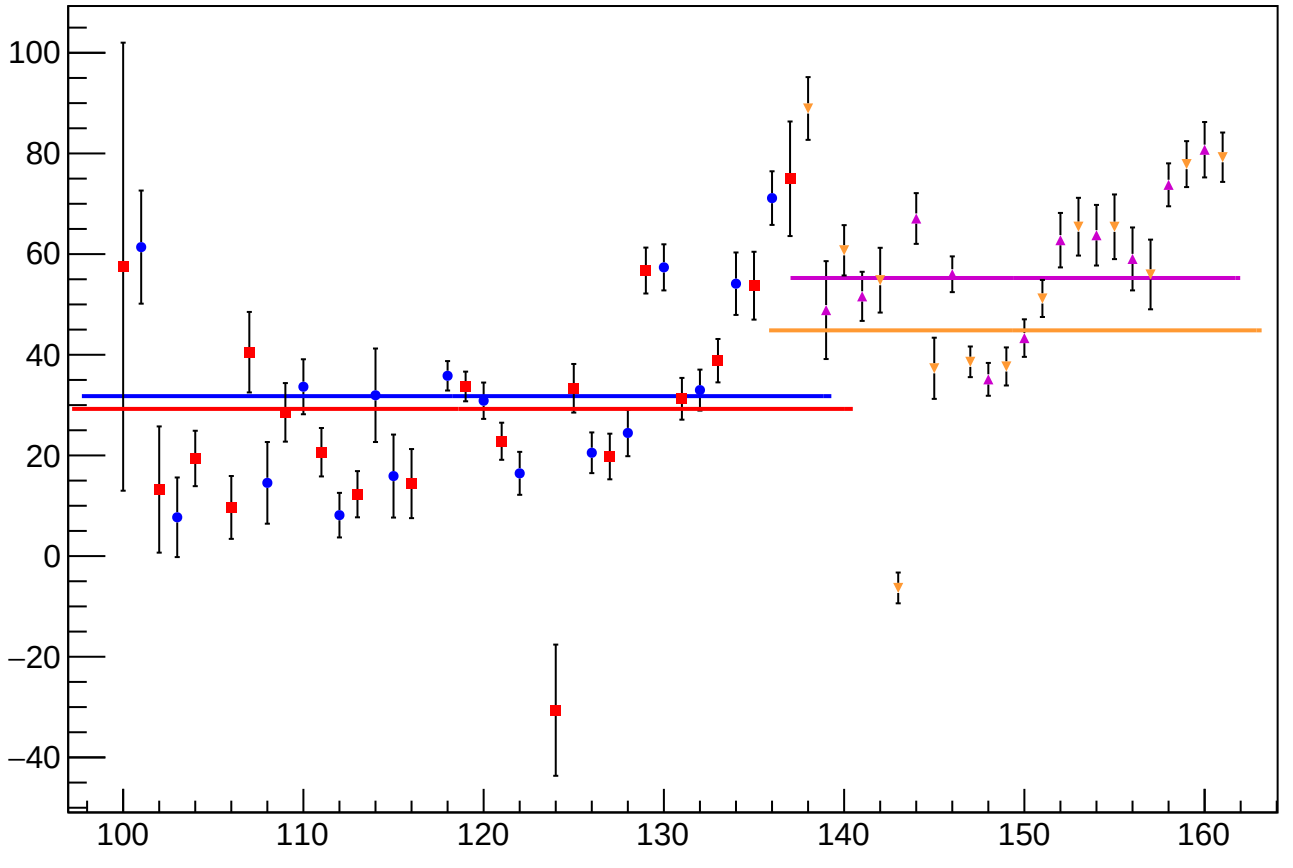
Left: 217.665+/-1.148 χ^2/NDF: 4675.7/23

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.615+/-0.981 χ^2/NDF:2755.6/26

Out: 193.282+/-0.922 χ^2/NDF:7807.4/31

All: 203.291+/-0.672 χ^2/NDF: 10813.9/58



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 44.849+/-1.249 χ^2/NDF:482.1/12

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 55.255+/-1.397 χ^2/NDF:99.5/10

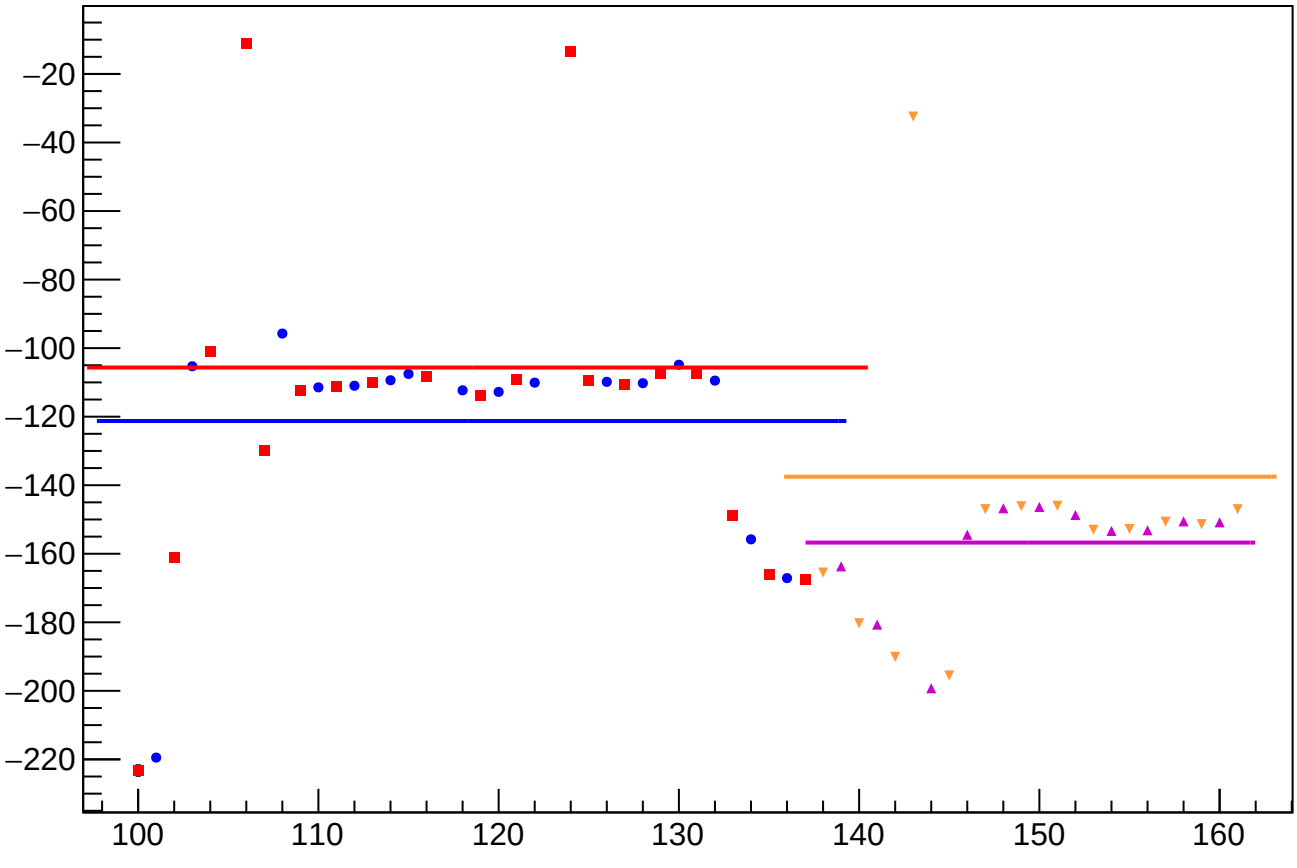
Left: 49.474+/-0.931 χ^2/NDF: 612.4/23

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 41.905+/-0.917 χ^2/NDF:437.0/26

Out: 36.710+/-0.864 χ^2/NDF:704.3/31

All: 39.152+/-0.629 χ^2/NDF: 1158.3/58



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.520+/-0.061 χ^2/NDF:625499.3/12

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -156.738+/-0.066 χ^2/NDF:45713.9/10

Left: -146.385+/-0.045 χ^2/NDF: 717270.5/23

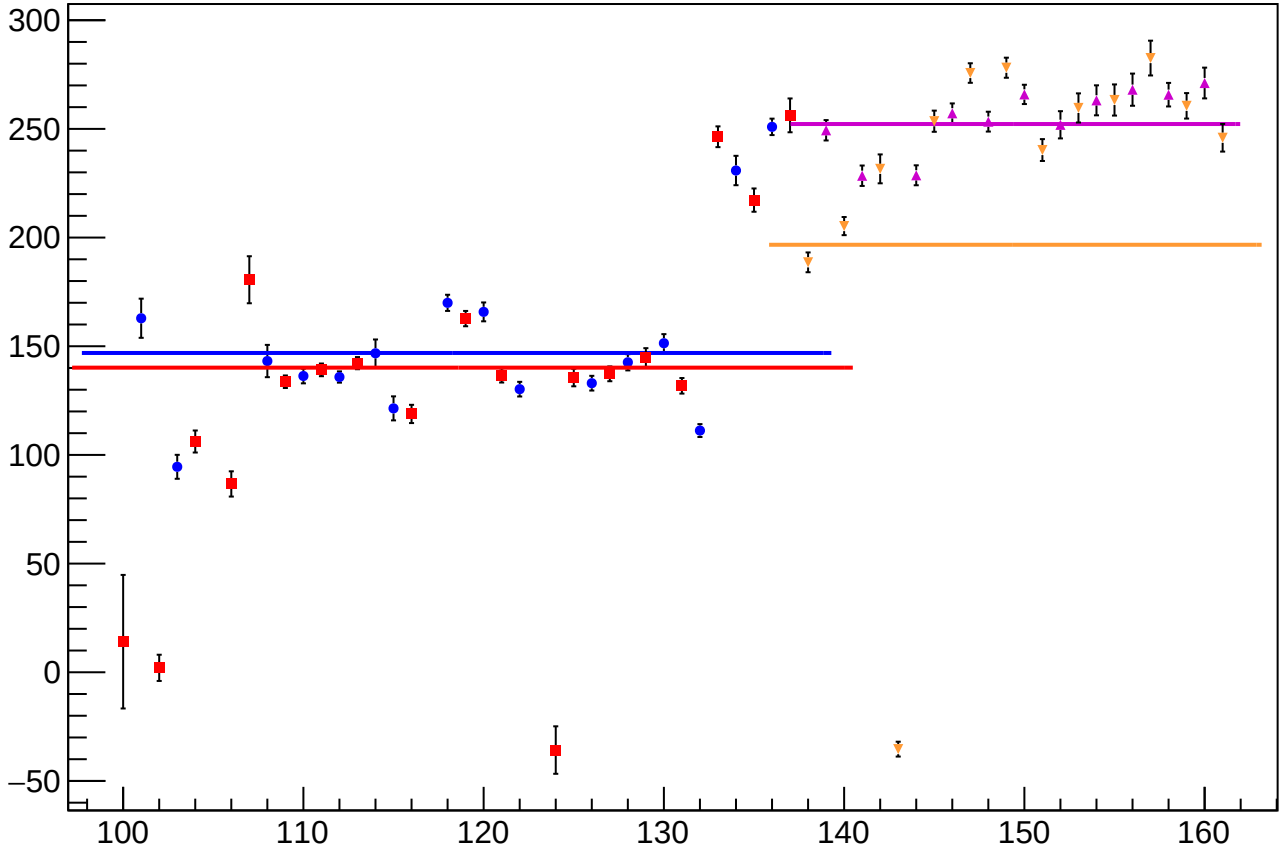
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.278+/-0.051 χ^2/NDF:283847.6/26

Out: -124.821+/-0.047 χ^2/NDF:1089982.3/31

All: -132.939+/-0.034 χ^2/NDF: 1437541.9/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 196.686+/-1.410 χ^2/NDF:5941.5/12

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 252.240+/-1.573 χ^2/NDF:83.5/10

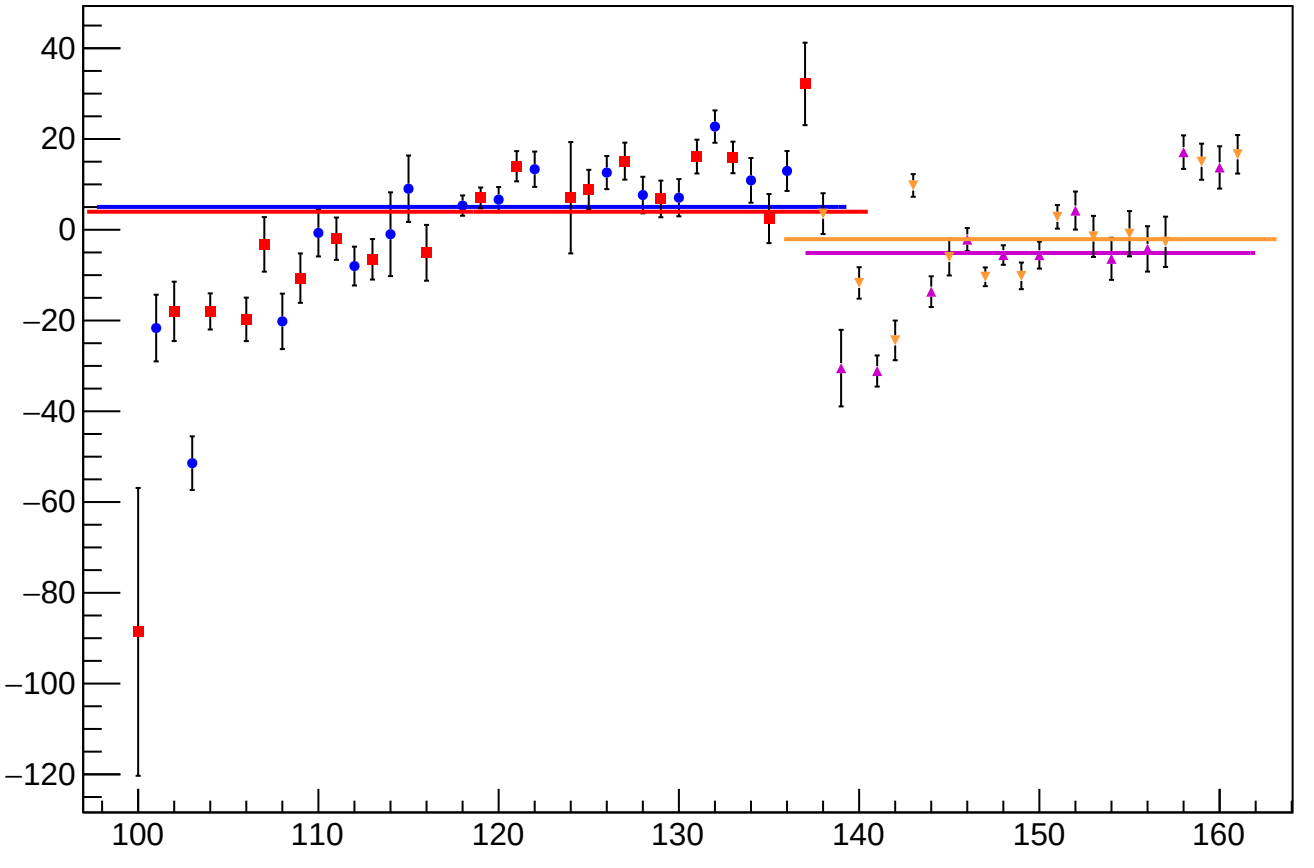
Left: 221.441+/-1.050 χ^2/NDF: 6716.7/23

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 177.375+/-0.846 χ^2/NDF:4573.9/26

Out: 158.061+/-0.794 χ^2/NDF:8990.5/31

All: 167.102+/-0.579 χ^2/NDF: 13841.7/58



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -2.074+/-0.934 χ^2/NDF:124.0/12

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -5.116+/-1.036 χ^2/NDF:131.7/10

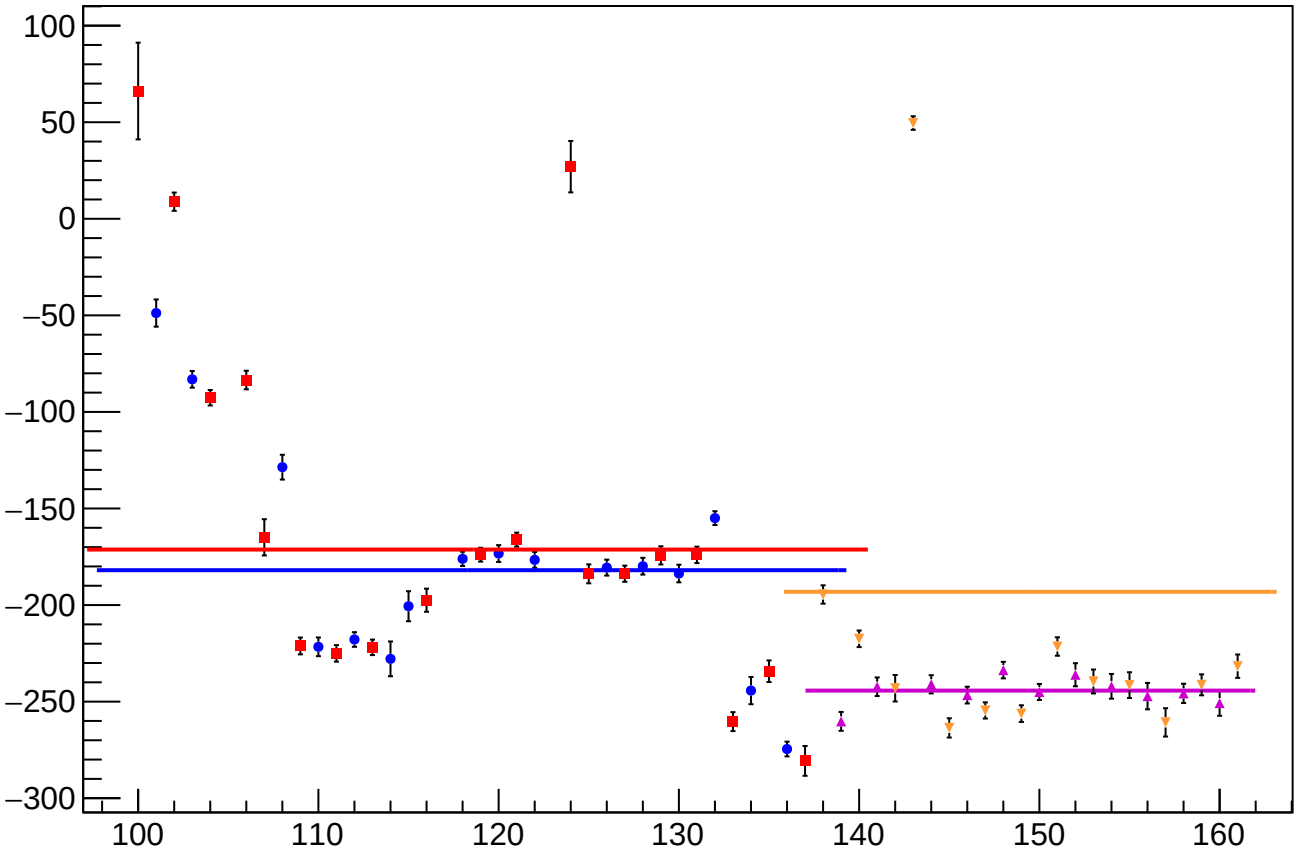
Left: -3.438+/-0.694 χ^2/NDF: 260.5/23

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 0.036+/-0.727 χ^2/NDF:352.3/26

Out: 0.710+/-0.687 χ^2/NDF:288.2/31

All: 0.392+/-0.499 χ^2/NDF: 640.9/58



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -193.138+/-1.382 χ^2/NDF:5823.9/12

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -244.295+/-1.520 χ^2/NDF:21.0/10

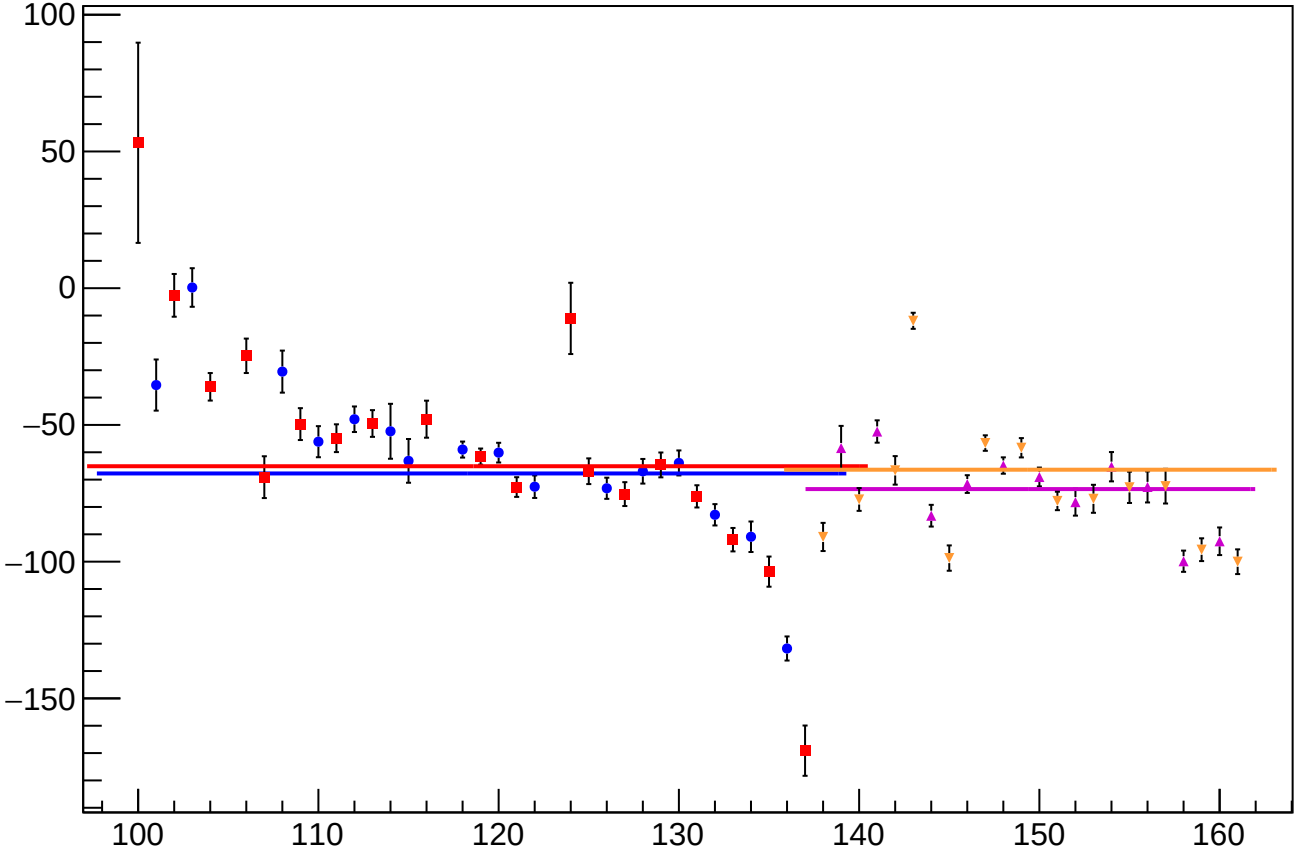
Left: -216.285+/-1.023 χ^2/NDF: 6464.9/23

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.738+/-0.919 χ^2/NDF:2958.5/26

Out: -179.850+/-0.866 χ^2/NDF:9604.3/31

All: -191.553+/-0.630 χ^2/NDF: 12951.2/58



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -66.377+/-1.127 χ^2/NDF:561.0/12

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -73.459+/-1.248 χ^2/NDF:110.0/10

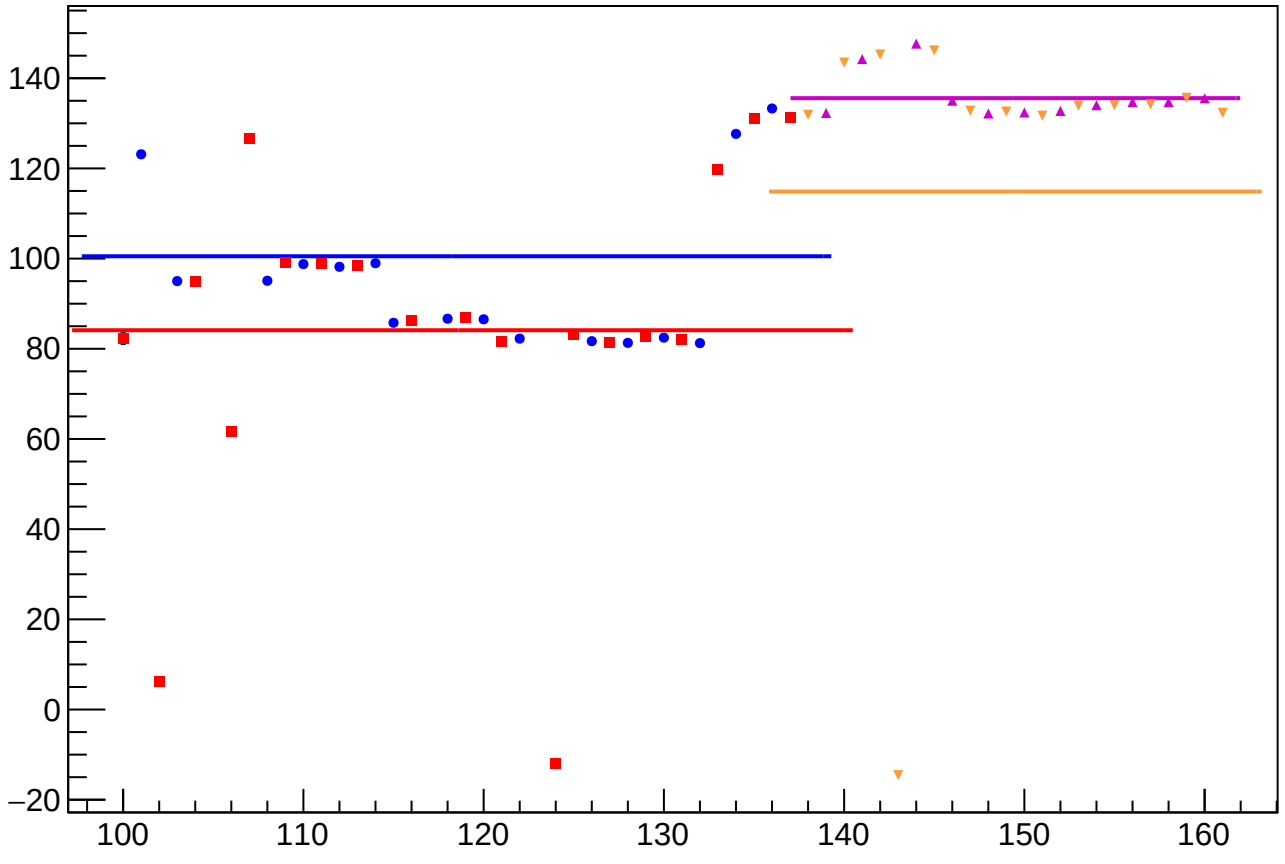
Left: -69.559+/-0.837 χ^2/NDF: 688.7/23

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -70.445+/-0.858 χ^2/NDF:535.1/26

Out: -65.762+/-0.811 χ^2/NDF:990.7/31

All: -67.971+/-0.589 χ^2/NDF: 1541.5/58



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 114.868+/-0.054 χ^2/NDF:920600.2/12

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.583+/-0.058 χ^2/NDF:6571.0/10

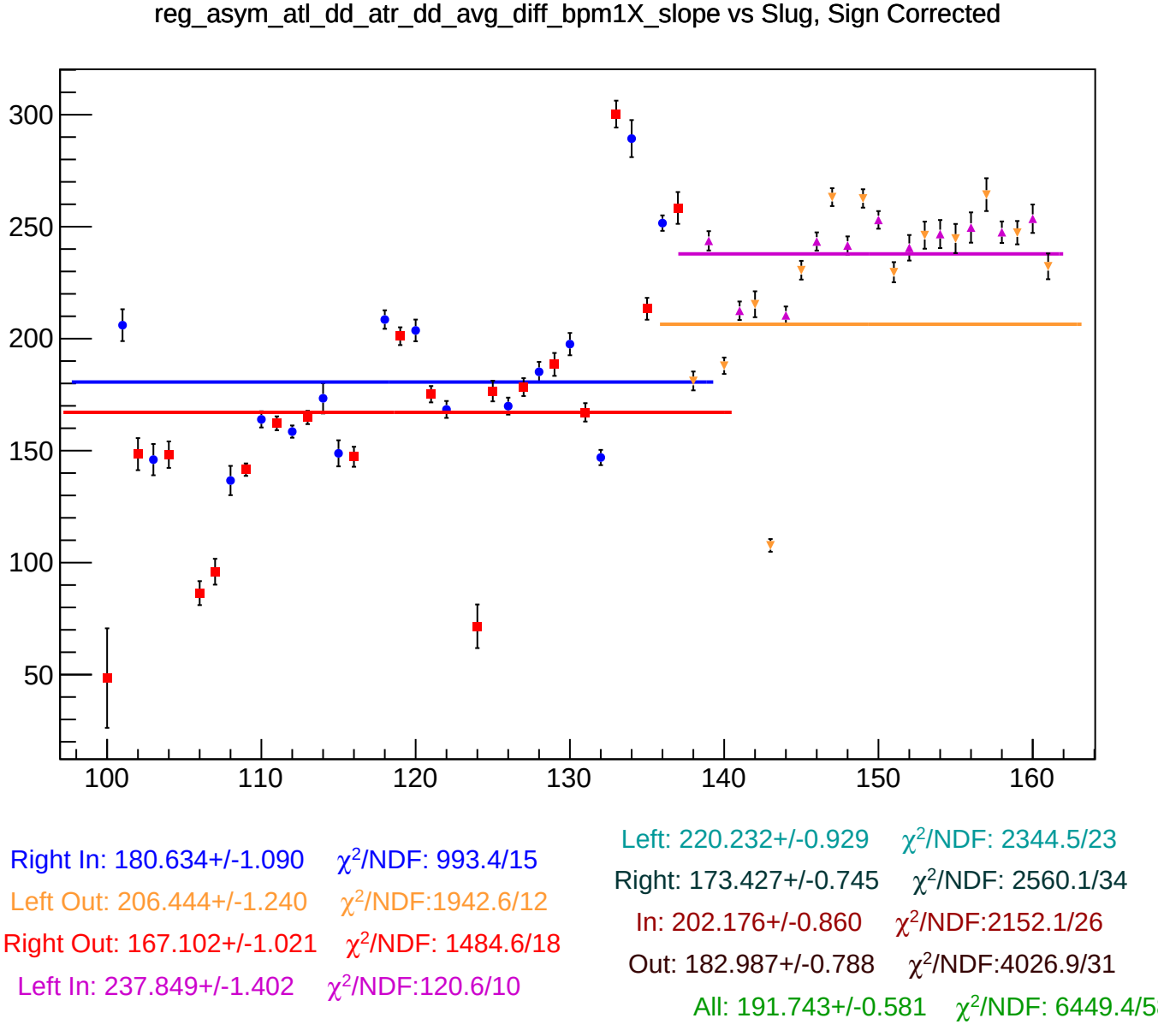
Left: 124.515+/-0.040 χ^2/NDF: 994512.9/23

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

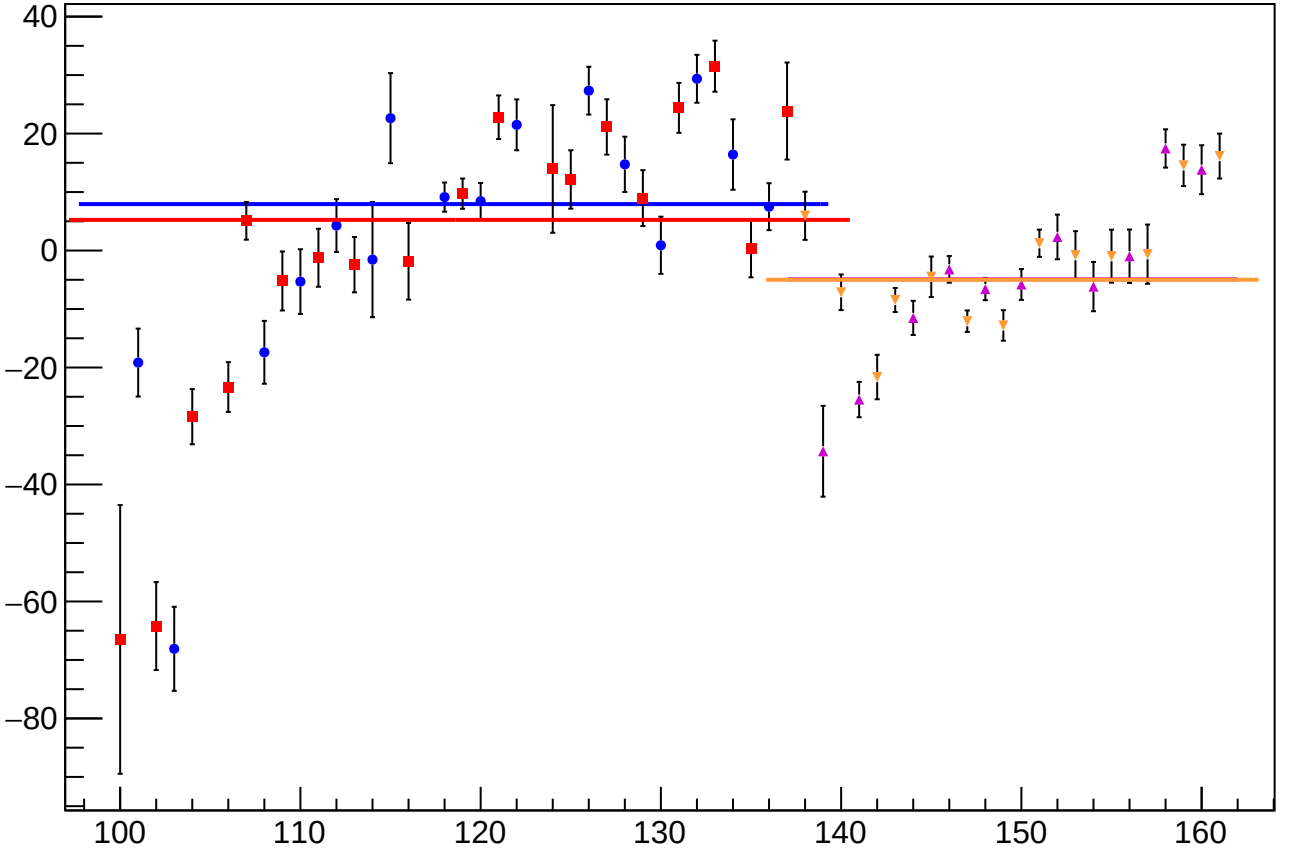
In: 122.132+/-0.046 χ^2/NDF:212583.3/26

Out: 103.104+/-0.043 χ^2/NDF:1306301.8/31

All: 111.973+/-0.031 χ^2/NDF: 1610998.1/58


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 206.444+/-1.240 χ²/NDF:1942.6/12
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 237.849+/-1.402 χ²/NDF:120.6/10
Left: 220.232+/-0.929 χ²/NDF: 2344.5/23
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 202.176+/-0.860 χ²/NDF:2152.1/26
Out: 182.987+/-0.788 χ²/NDF:4026.9/31
All: 191.743+/-0.581 χ²/NDF: 6449.4/58

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: -4.991+/-0.822 χ^2/NDF:124.2/12

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

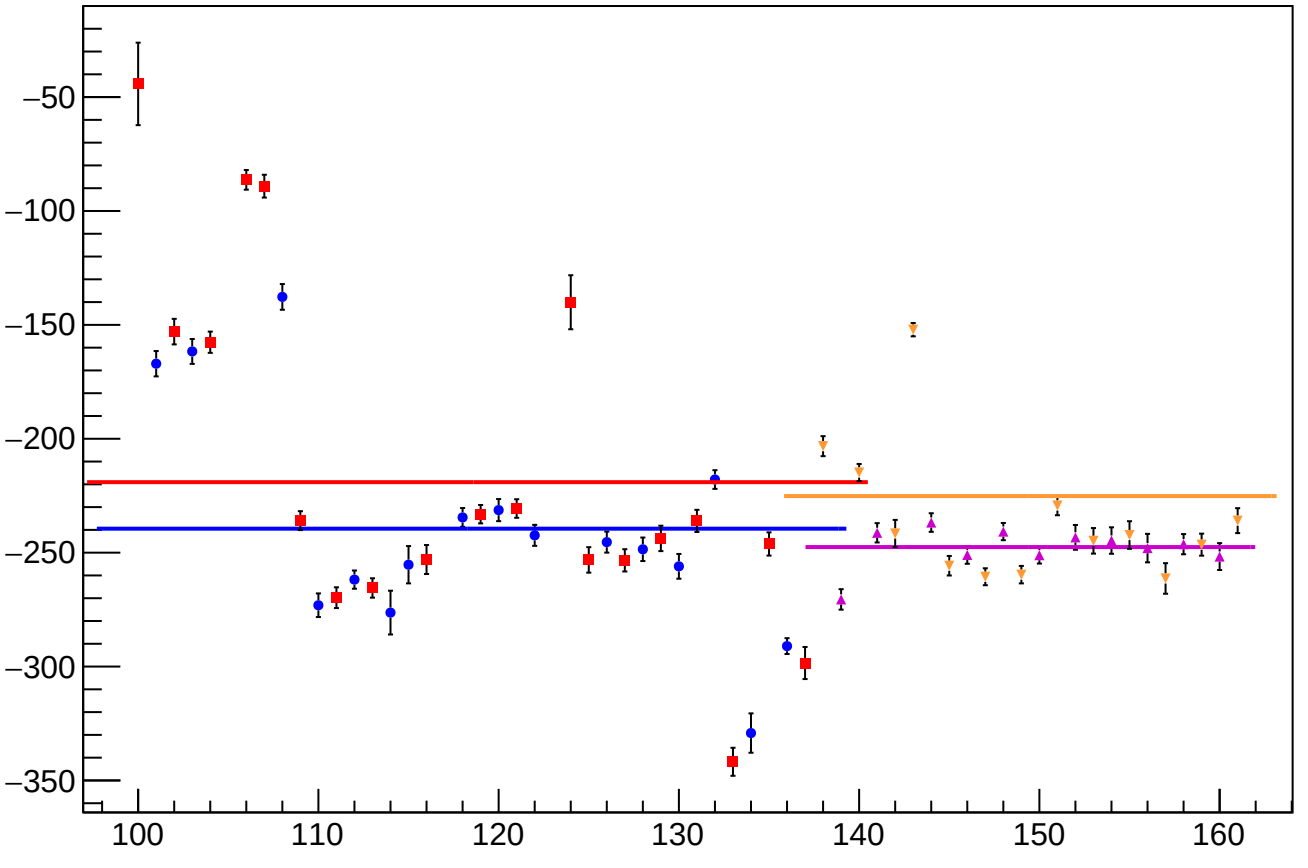
Left: -4.959+/-0.613 χ^2/NDF: 262.6/23

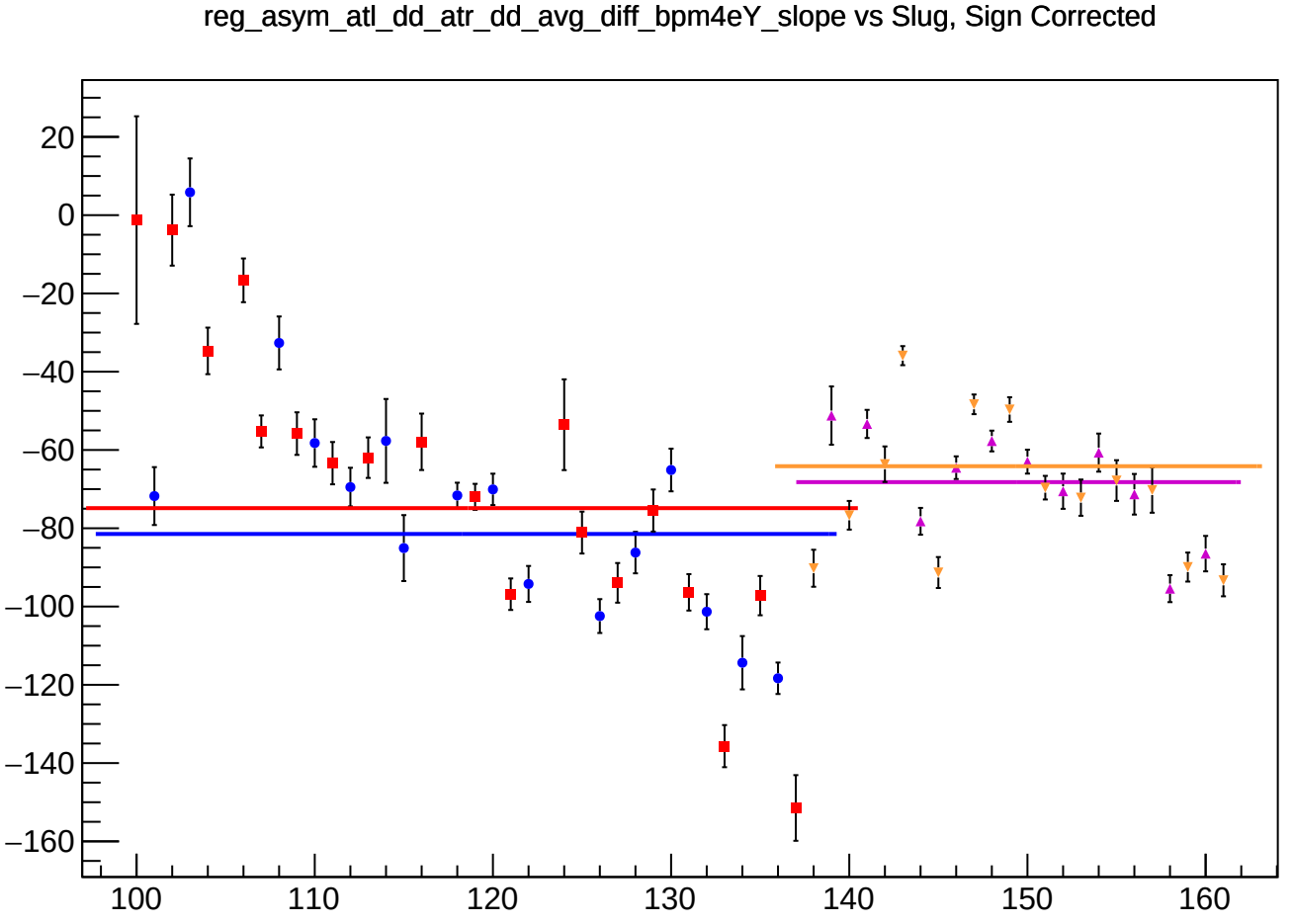
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.309+/-0.710 χ^2/NDF:450.5/26

Out: -1.158+/-0.650 χ^2/NDF:485.2/31

All: -0.488+/-0.479 χ^2/NDF: 938.0/58


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.163+/-1.218 χ²/NDF:960.8/12
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.544+/-1.356 χ²/NDF:41.7/10
Left: -235.156+/-0.906 χ²/NDF: 1153.3/23
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -243.164+/-0.917 χ²/NDF:1223.2/26
Out: -222.002+/-0.846 χ²/NDF:4023.1/31
All: -231.731+/-0.622 χ²/NDF: 5533.9/58



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -64.146+/-0.992 χ^2/NDF:391.8/12

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

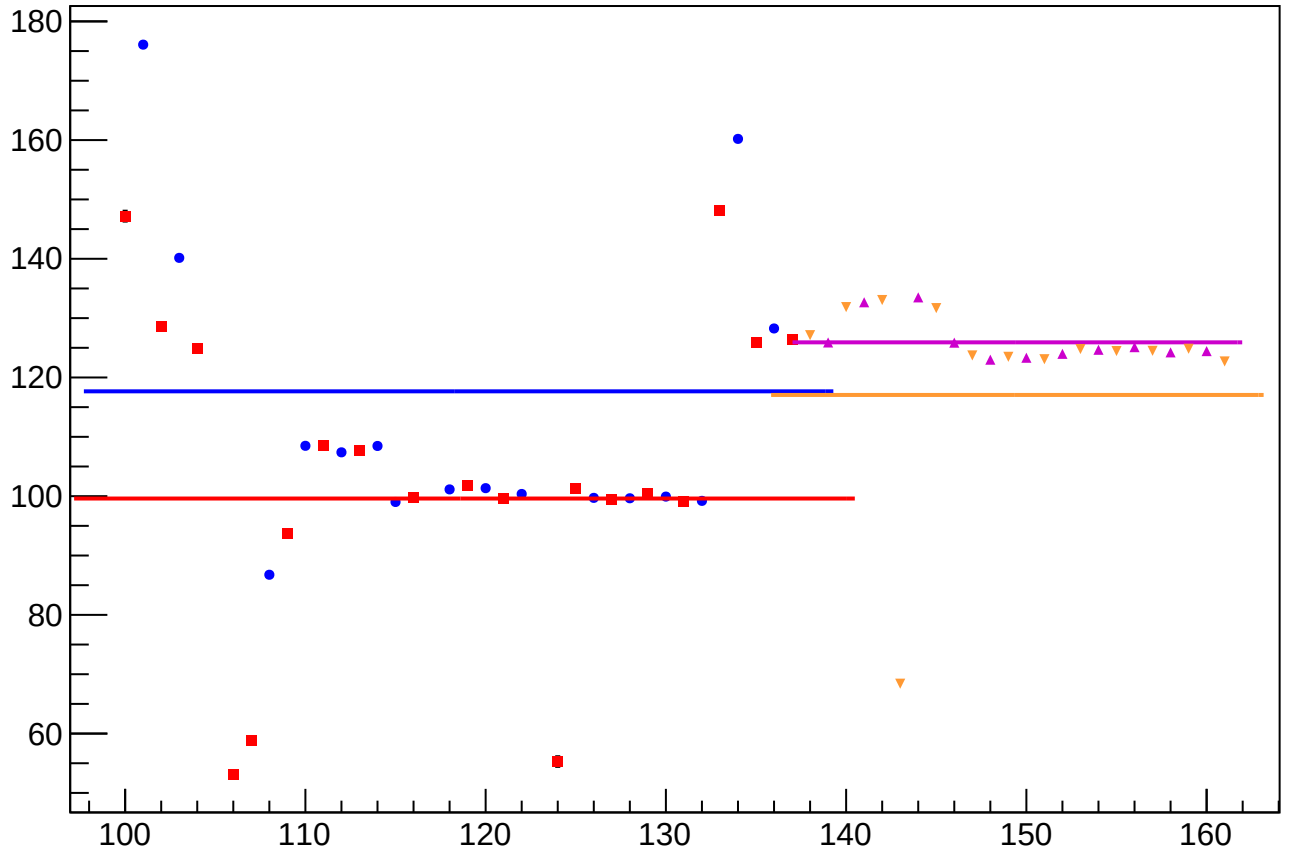
Left: -65.951+/-0.740 χ^2/NDF: 532.1/23

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.866+/-0.841 χ^2/NDF:560.2/26

Out: -68.370+/-0.772 χ^2/NDF:1014.3/31

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

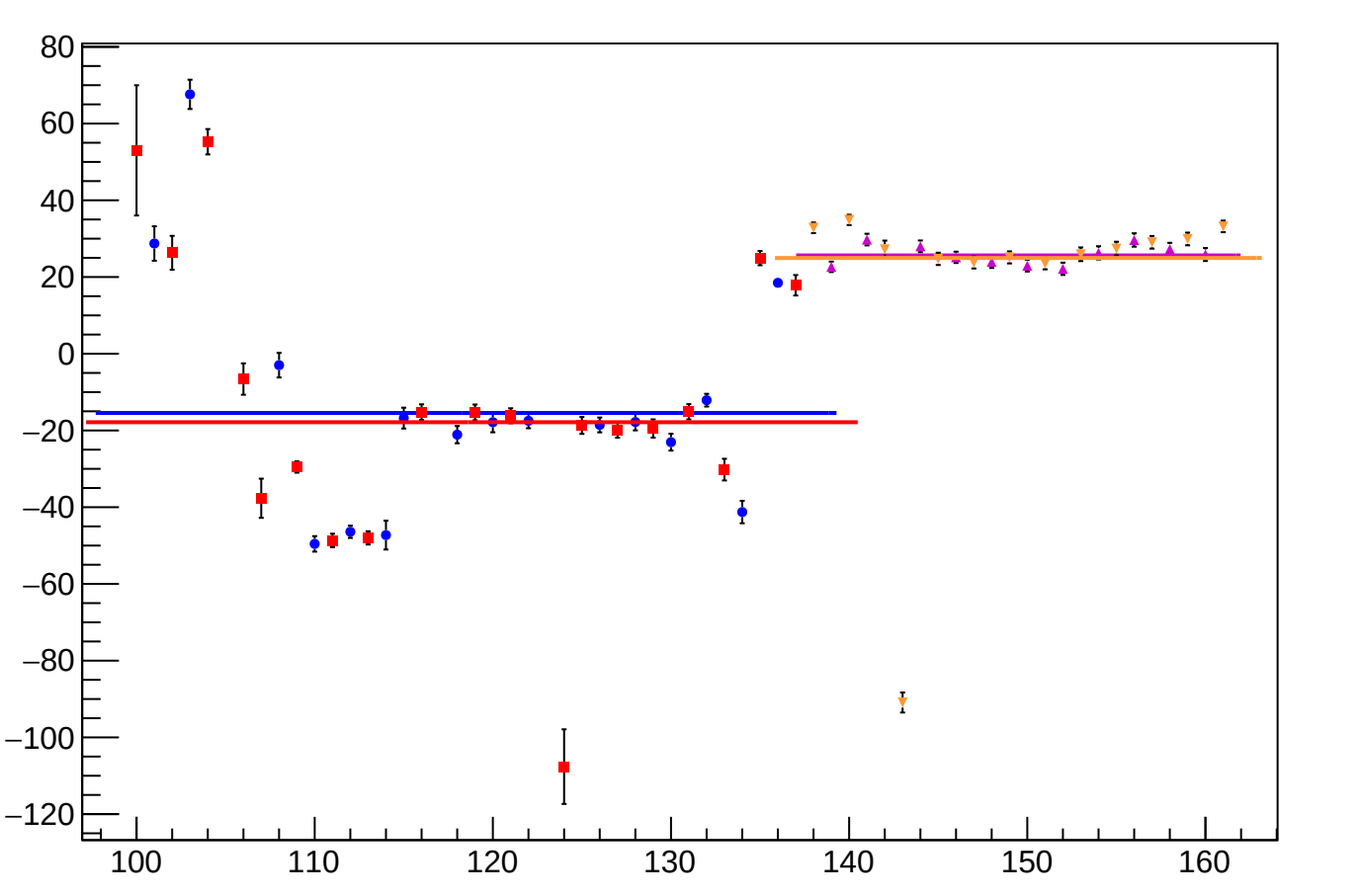
Left: 121.135+/-0.035 χ^2/NDF: 214071.4/23

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 111.480+/-0.040 χ^2/NDF:402442.8/31

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
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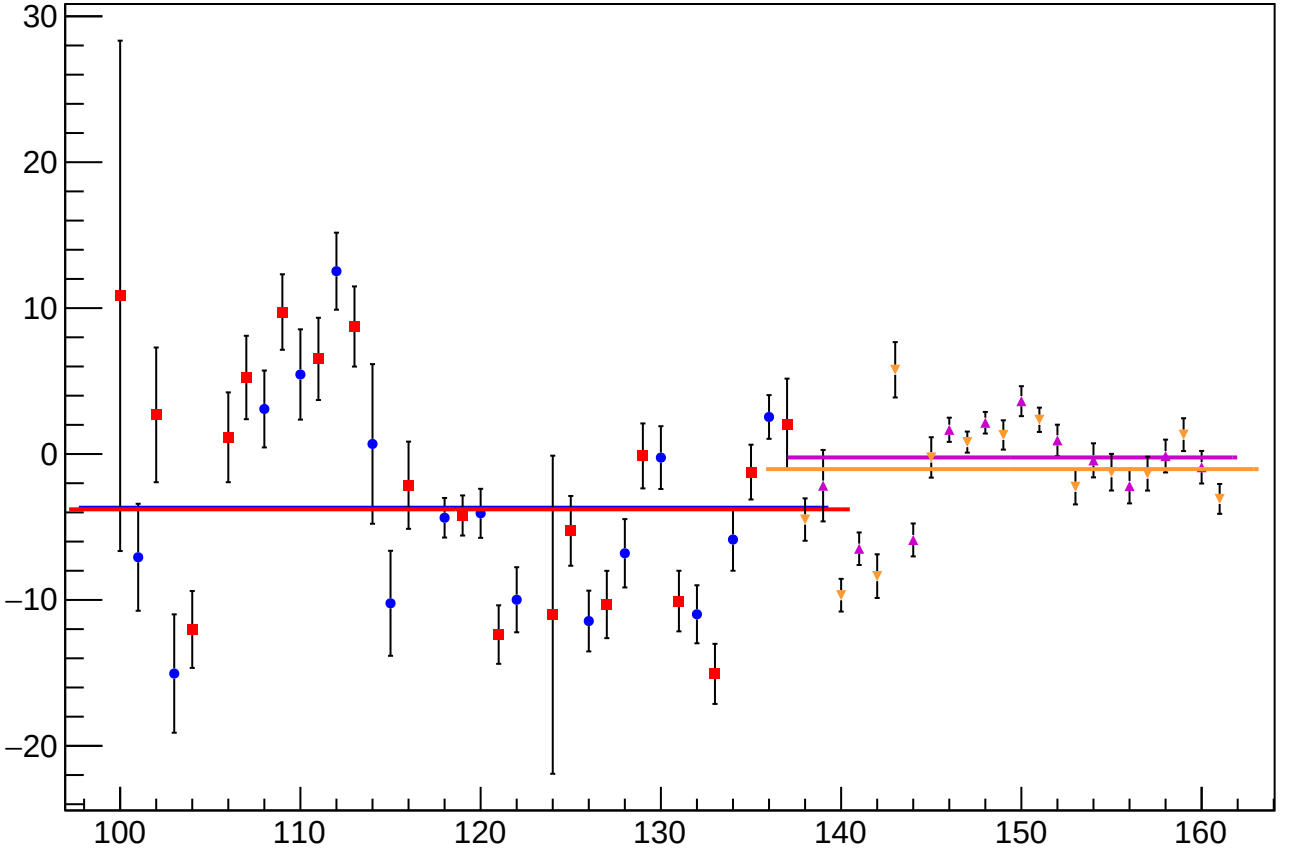
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.954+/-0.456 χ²/NDF:2103.5/12
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.631+/-0.472 χ²/NDF:30.2/10
Left: 25.281+/-0.328 χ²/NDF: 2134.7/23
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 7.789+/-0.355 χ²/NDF:5437.3/26
Out: 6.732+/-0.346 χ²/NDF:7979.3/31
All: 7.246+/-0.248 χ²/NDF: 13421.2/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.035+/-0.306 χ^2/NDF:140.3/12

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.234+/-0.318 χ^2/NDF:91.1/10

Left: -0.650+/-0.221 χ^2/NDF: 234.7/23

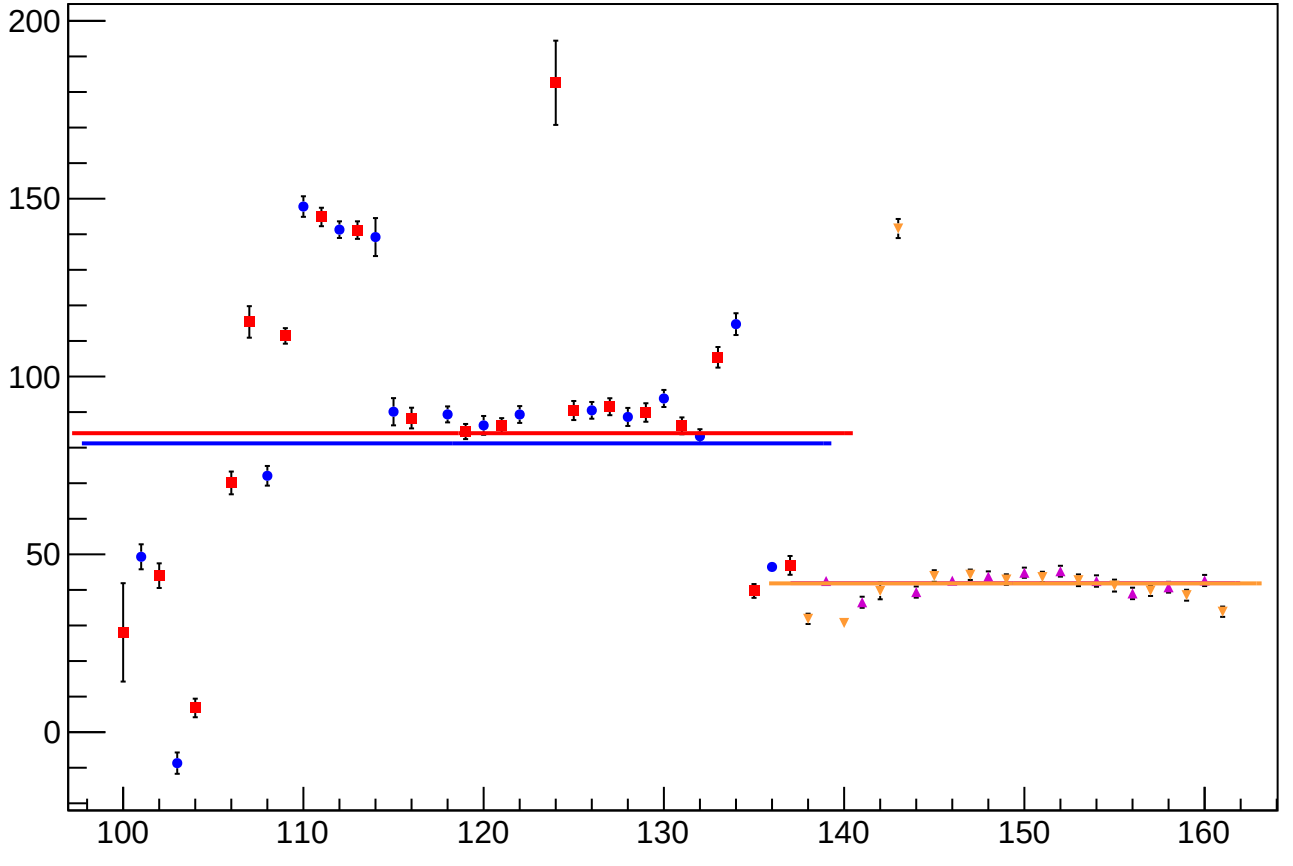
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.094+/-0.276 χ^2/NDF:244.4/26

Out: -1.662+/-0.269 χ^2/NDF:320.0/31

All: -1.385+/-0.192 χ^2/NDF: 566.5/58

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: 41.838+/-0.441 χ^2/NDF:1536.2/12

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

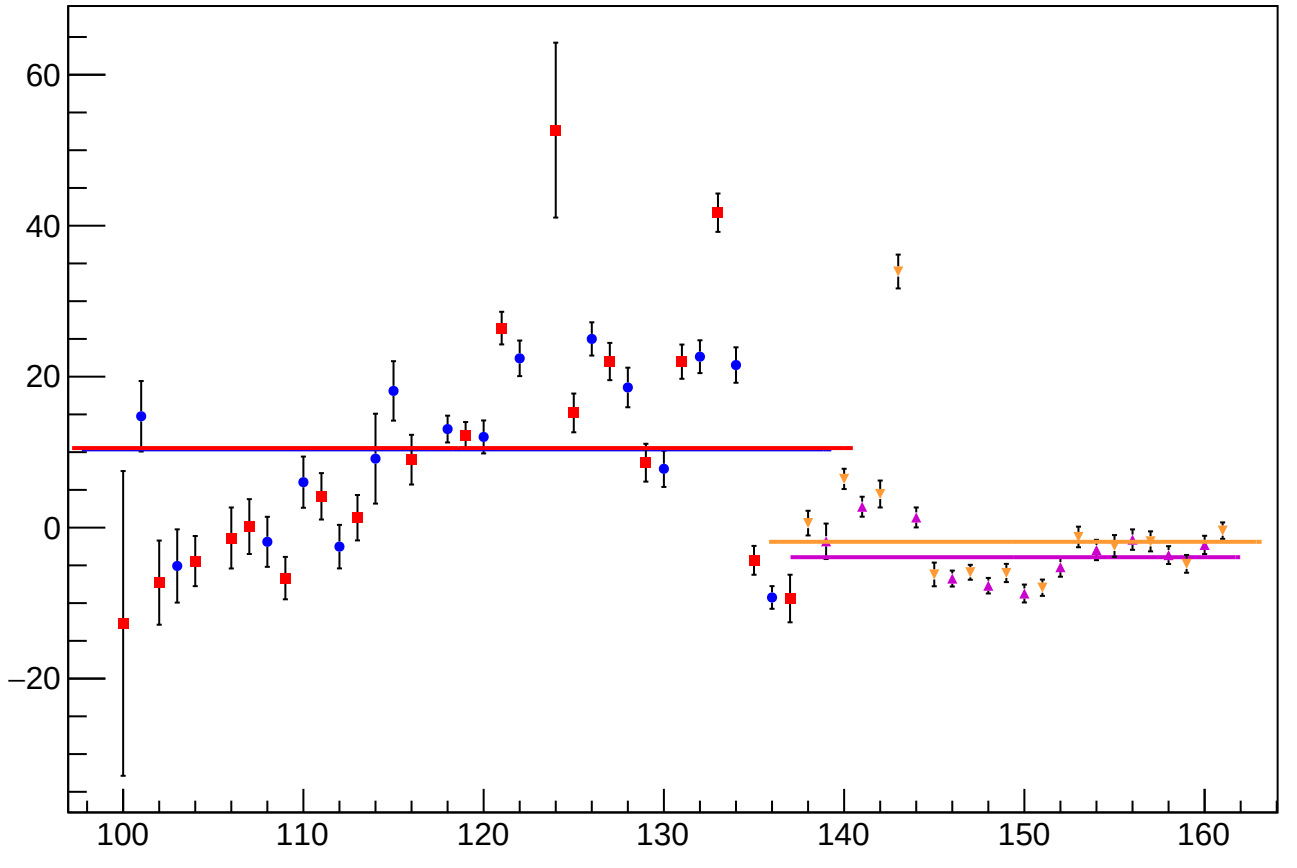
Left: 41.878+/-0.317 χ^2/NDF: 1566.0/23

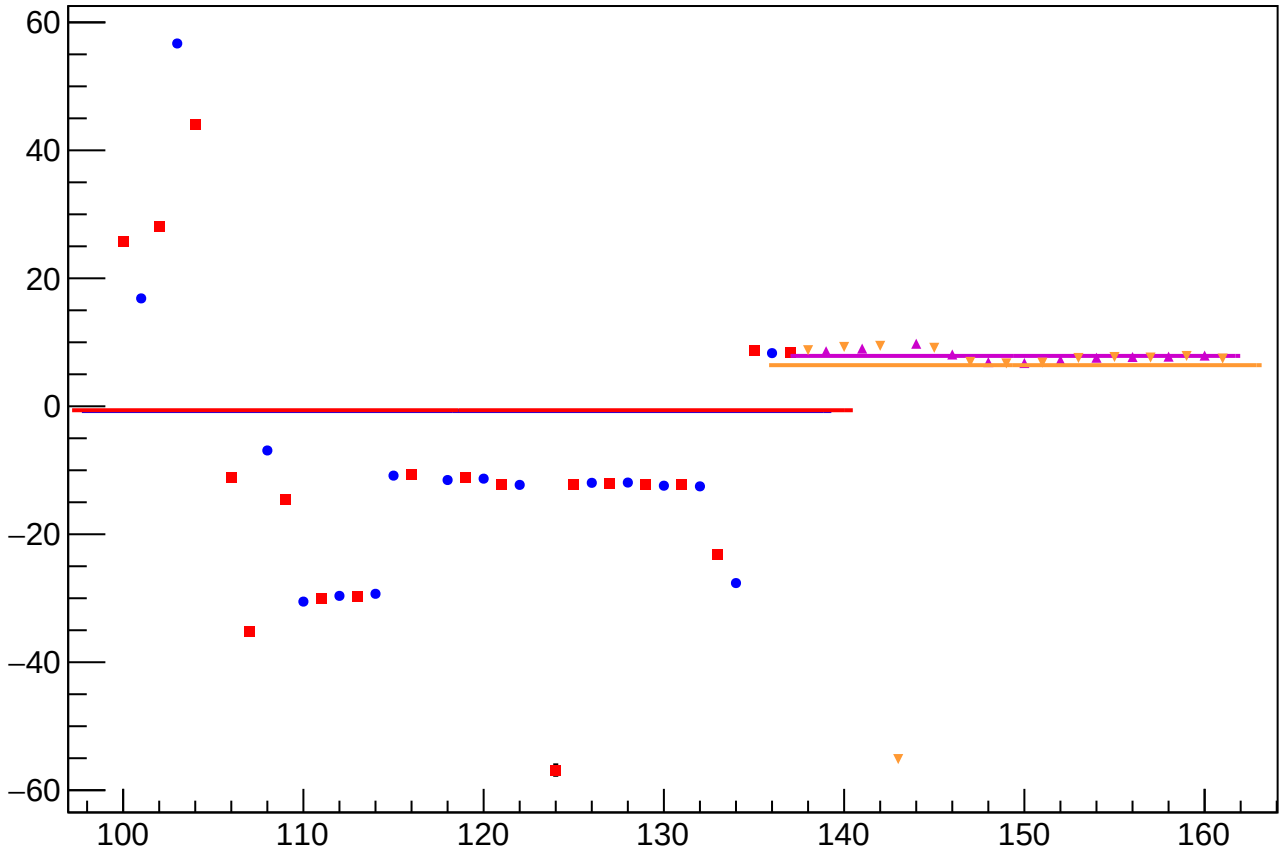
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.064+/-0.364 χ^2/NDF:5940.0/26

Out: 56.155+/-0.359 χ^2/NDF:7845.9/31

All: 56.110+/-0.256 χ^2/NDF: 13785.9/58


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.878+/-0.364 χ²/NDF:384.8/12
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.918+/-0.378 χ²/NDF:85.8/10
Left: -2.858+/-0.262 χ²/NDF: 485.7/23
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: -0.106+/-0.324 χ²/NDF:826.7/26
Out: 1.150+/-0.316 χ²/NDF:1139.9/31
All: 0.537+/-0.226 χ²/NDF: 1974.3/58



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.426+/-0.017 χ^2/NDF:312841.8/12

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

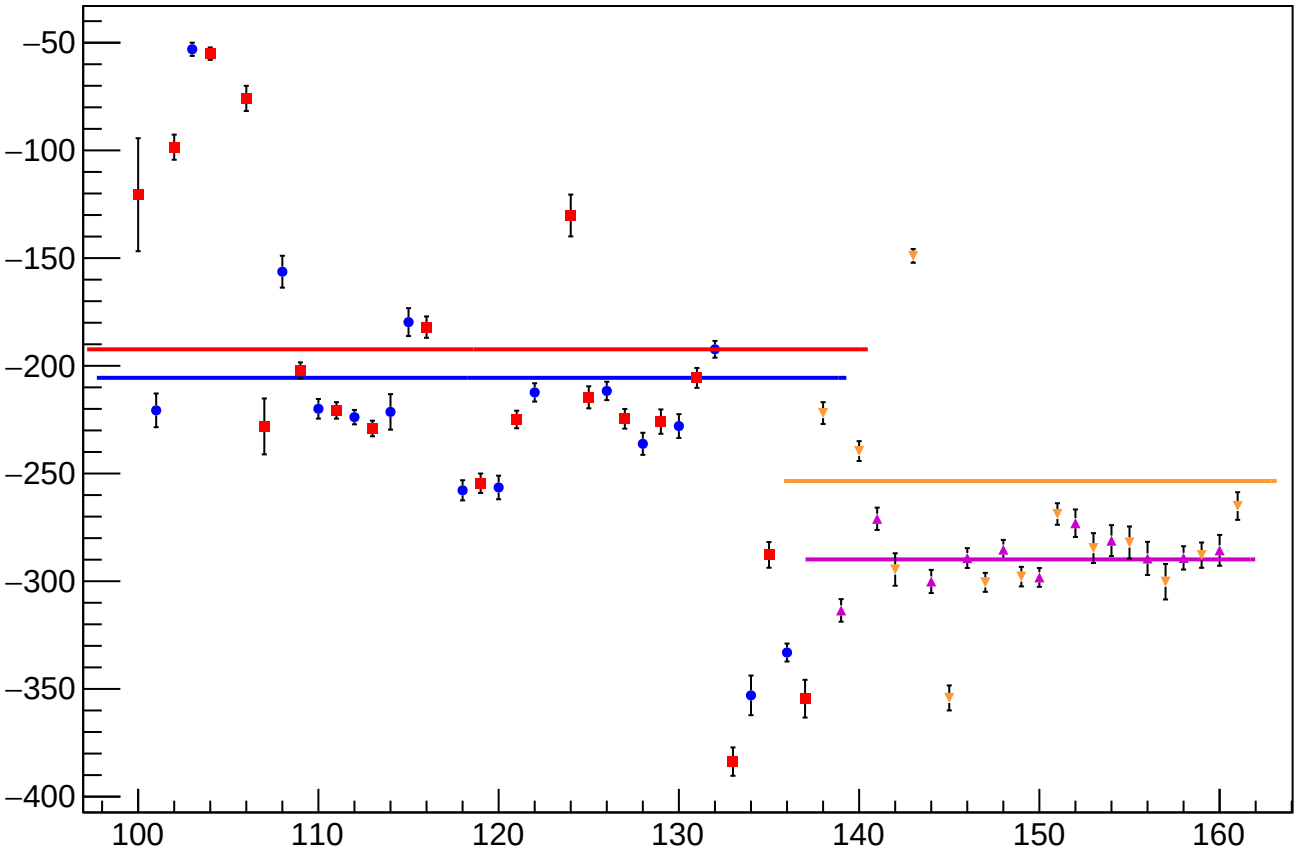
Left: 7.135+/-0.012 χ^2/NDF: 318634.6/23

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.285+/-0.015 χ^2/NDF:417173.7/26

Out: 5.251+/-0.015 χ^2/NDF:658996.3/31

All: 5.762+/-0.011 χ^2/NDF: 1078447.6/58



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -253.482+/-1.447 χ^2/NDF:1763.7/12

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -289.868+/-1.641 χ^2/NDF:50.7/10

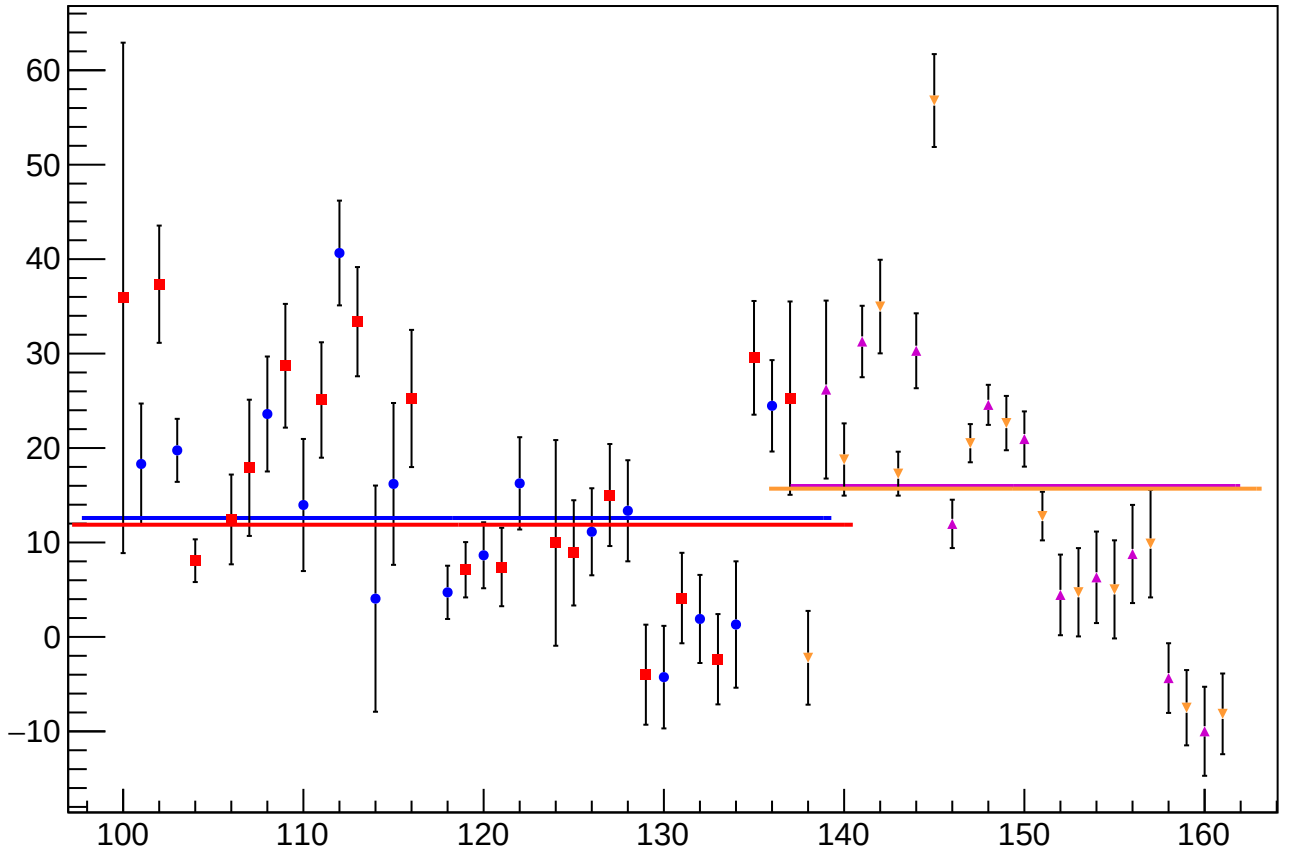
Left: -269.395+/-1.085 χ^2/NDF: 2091.0/23

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.454+/-0.961 χ^2/NDF:5840.9/26

Out: -215.316+/-0.887 χ^2/NDF:7848.1/31

All: -224.123+/-0.652 χ^2/NDF: 13903.3/58



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 15.697+/-0.943 χ^2/NDF:187.6/12

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 15.979+/-1.060 χ^2/NDF:126.3/10

Left: 15.822+/-0.705 χ^2/NDF: 314.0/23

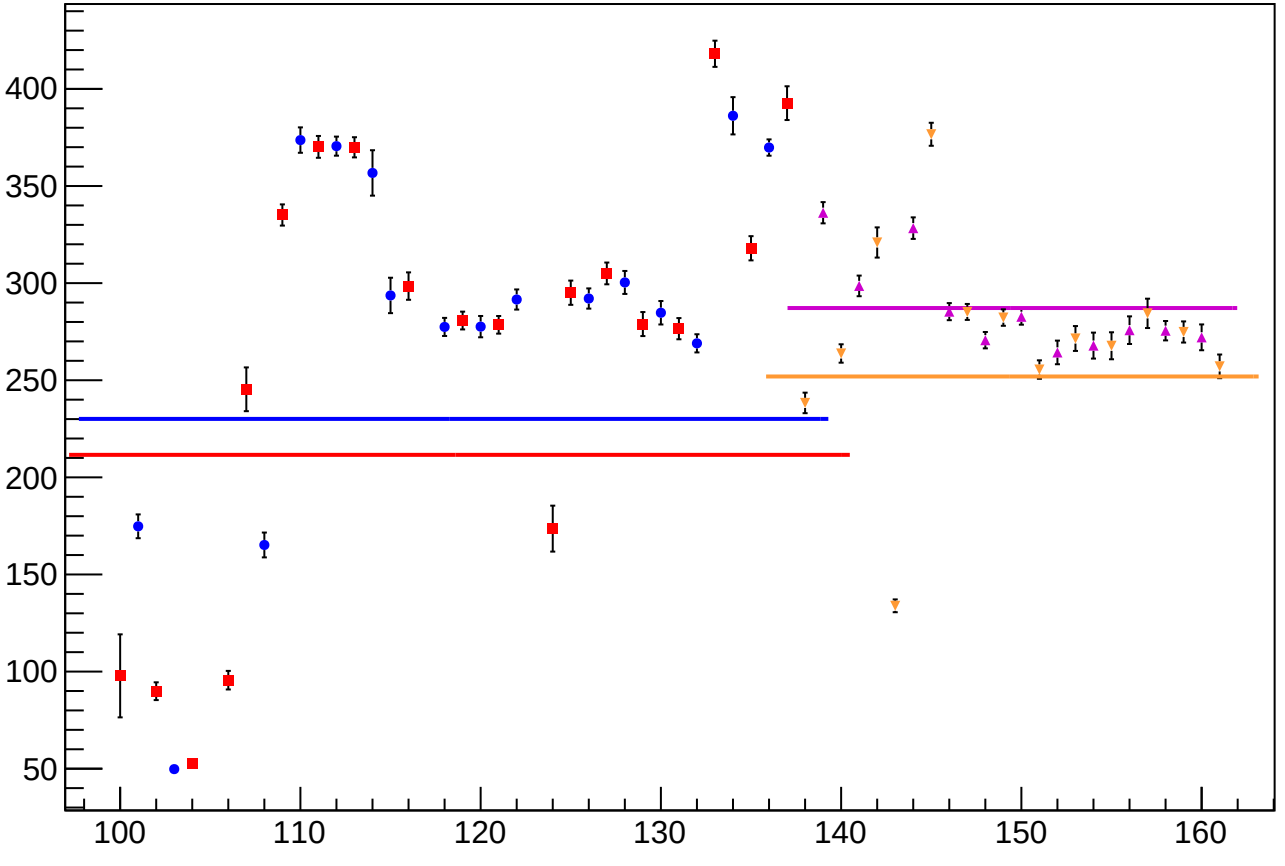
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 14.498+/-0.795 χ^2/NDF:199.2/26

Out: 14.116+/-0.722 χ^2/NDF:279.4/31

All: 14.288+/-0.535 χ^2/NDF: 478.7/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 251.933+/-1.414 χ^2/NDF:1985.0/12

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 287.180+/-1.579 χ^2/NDF:192.6/10

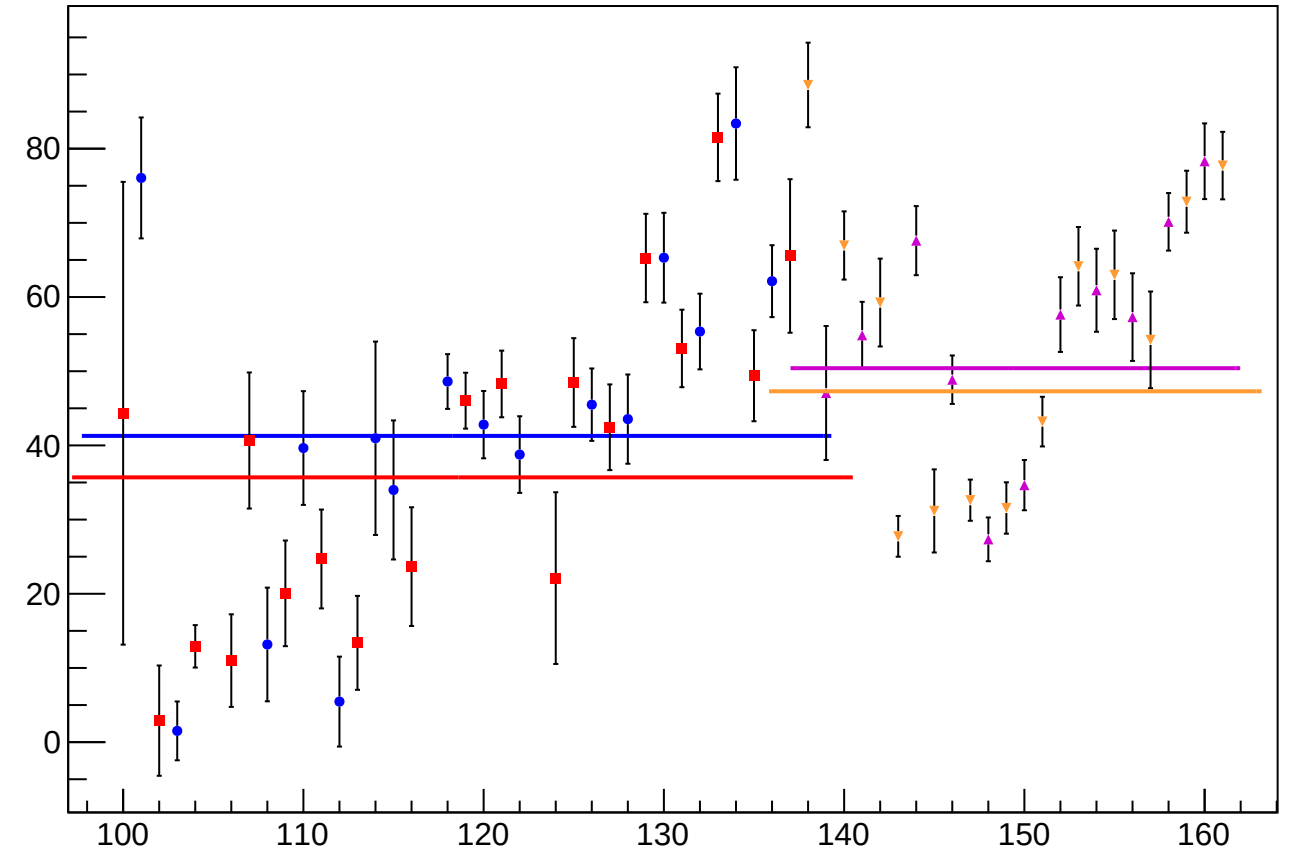
Left: 267.622+/-1.053 χ^2/NDF: 2454.3/23

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 252.299+/-0.985 χ^2/NDF:10367.2/26

Out: 228.403+/-0.913 χ^2/NDF:13932.0/31

All: 239.448+/-0.669 χ^2/NDF: 24616.0/58



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 47.296+/-1.142 χ^2/NDF:284.0/12

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 50.410+/-1.282 χ^2/NDF:160.5/10

Left: 48.674+/-0.853 χ^2/NDF: 447.8/23

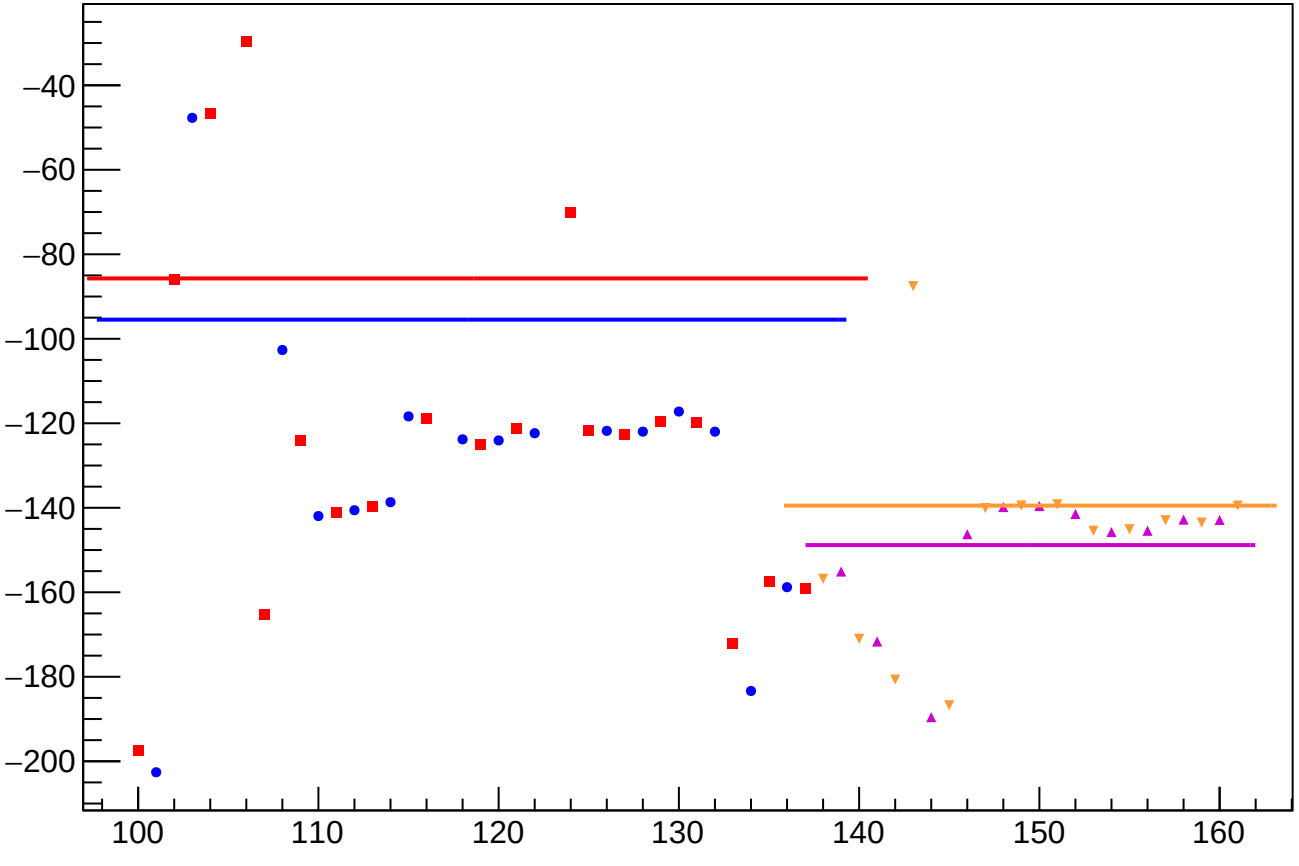
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 46.239+/-0.945 χ^2/NDF:429.4/26

Out: 42.313+/-0.863 χ^2/NDF:581.5/31

All: 44.099+/-0.637 χ^2/NDF: 1020.4/58

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: -139.484+/-0.056 χ^2/NDF:230956.4/12

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.826+/-0.061 χ^2/NDF:48292.0/10

Left: -143.781+/-0.041 χ^2/NDF: 292121.8/23

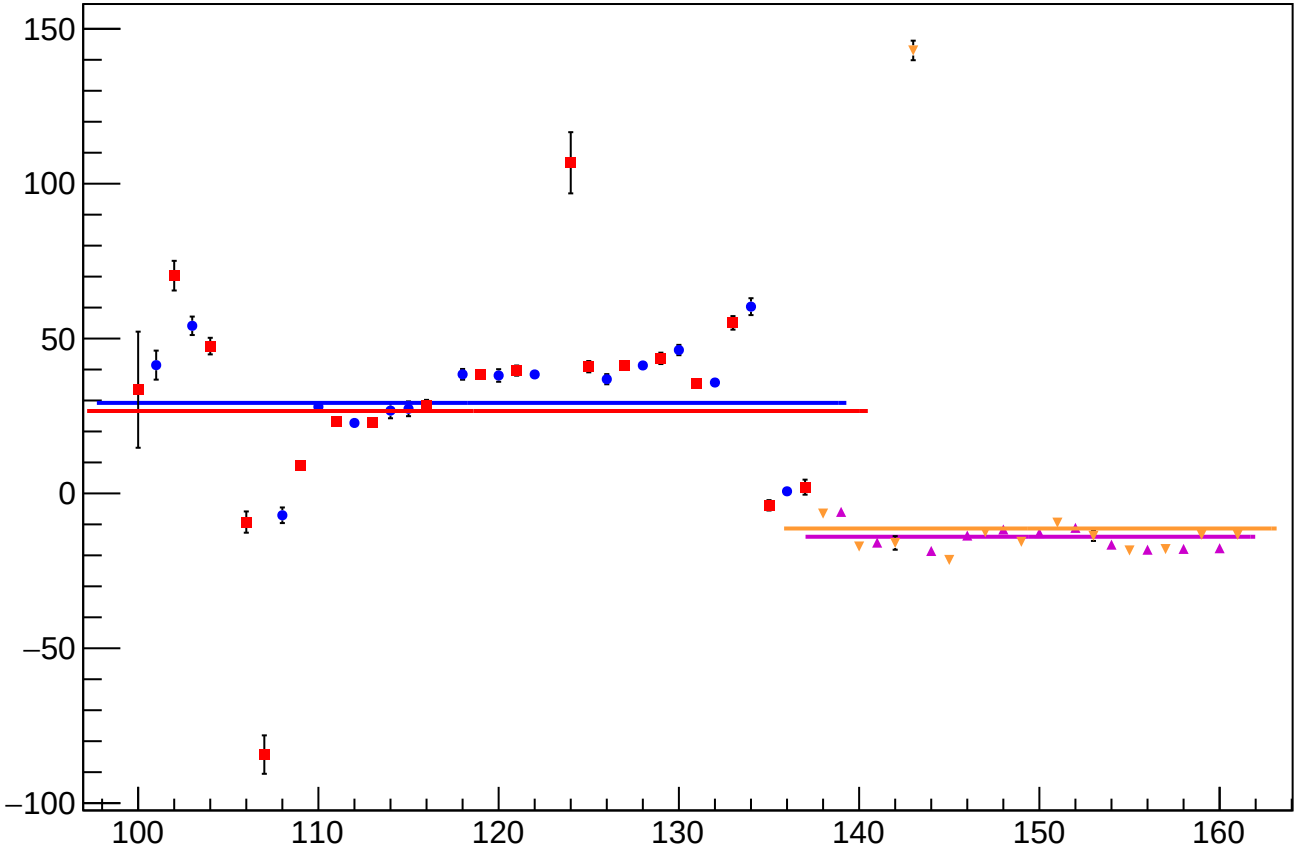
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -125.802+/-0.046 χ^2/NDF:903793.9/26

Out: -117.426+/-0.043 χ^2/NDF:1093947.2/31

All: -121.355+/-0.031 χ^2/NDF: 2015634.5/58

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: -11.326+/-0.428 χ^2/NDF:2529.7/12

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

Left: -12.622+/-0.307 χ^2/NDF: 2630.9/23

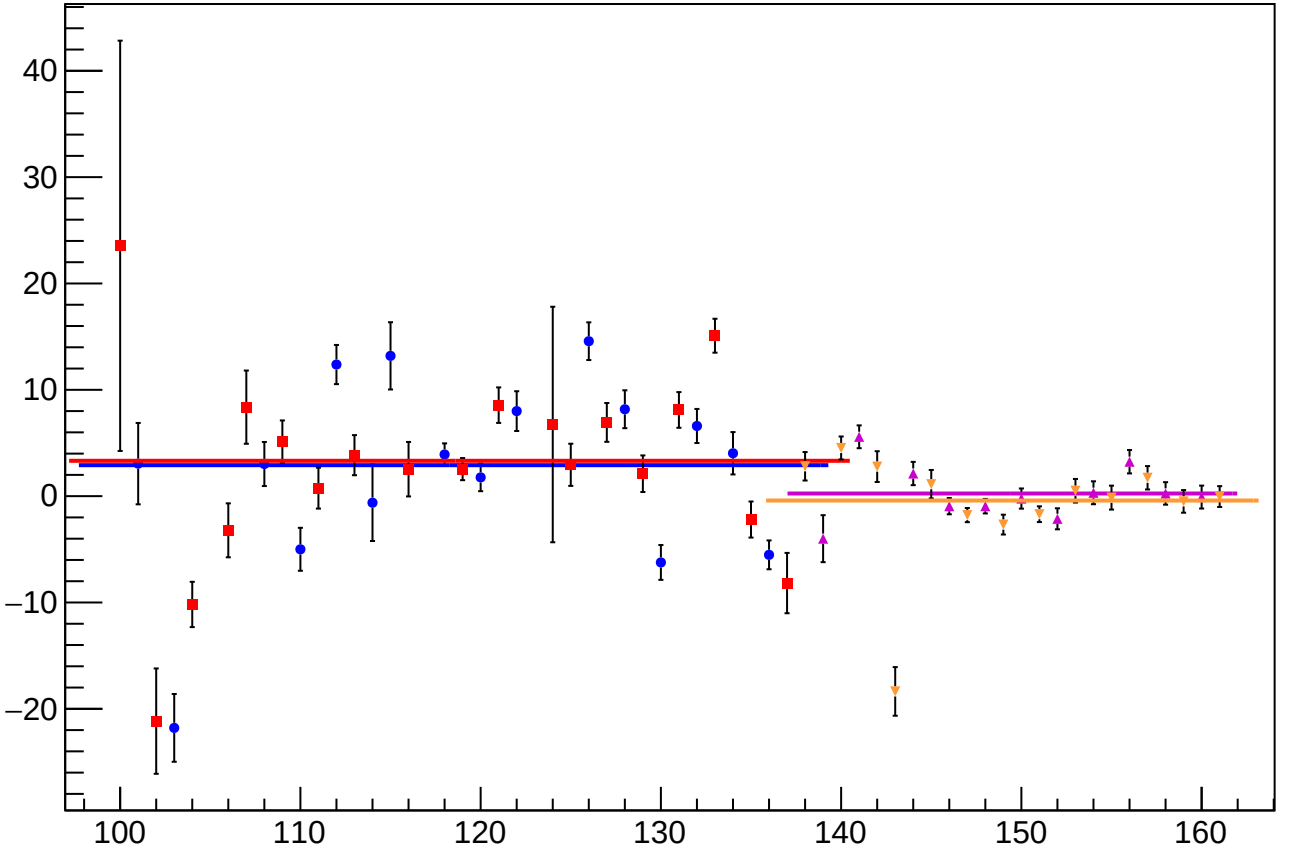
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 8.422+/-0.306 χ^2/NDF:6421.3/26

Out: 8.264+/-0.298 χ^2/NDF:8508.9/31

All: 8.341+/-0.213 χ^2/NDF: 14930.3/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.412+/-0.286 χ^2/NDF:112.4/12

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.249+/-0.297 χ^2/NDF:50.3/10

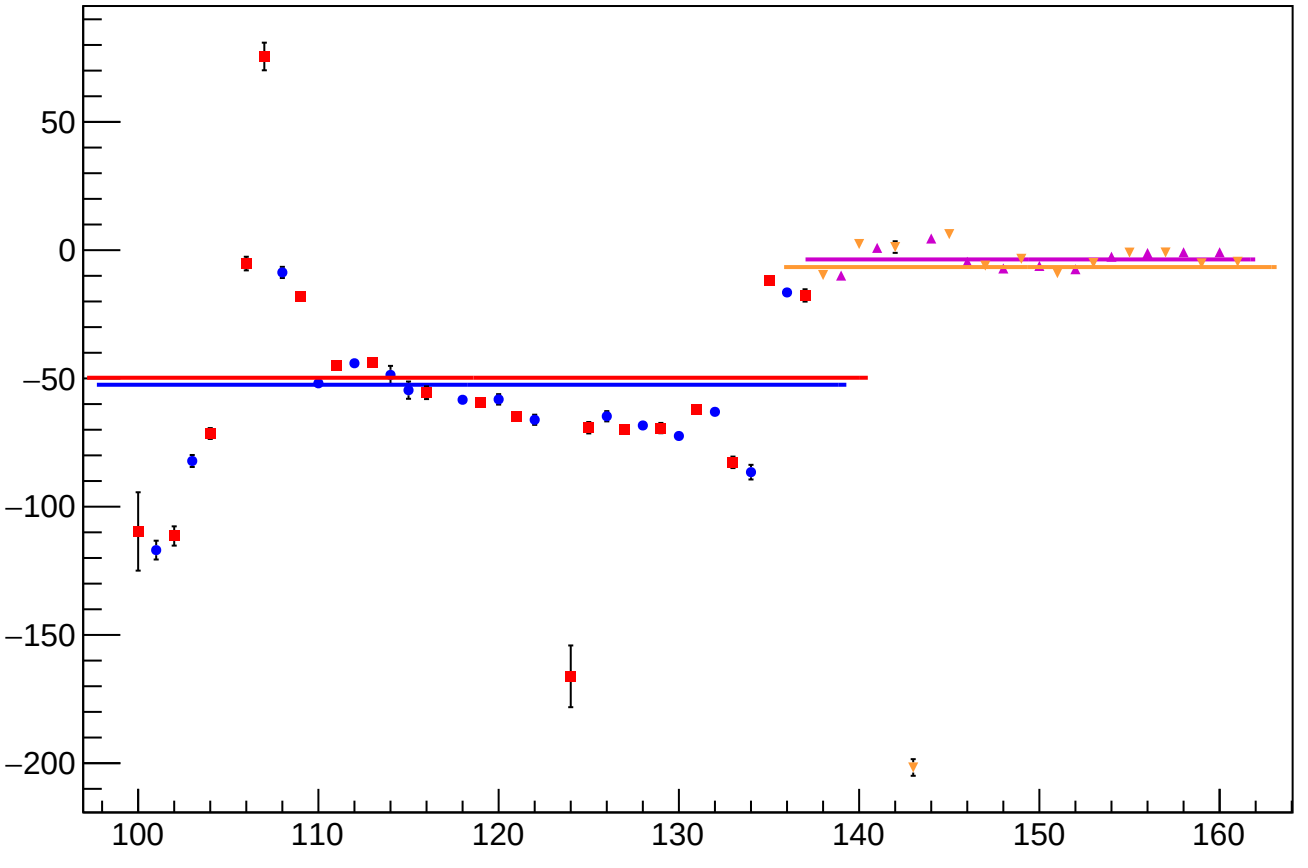
Left: -0.094+/-0.206 χ^2/NDF: 165.2/23

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.076+/-0.247 χ^2/NDF:325.2/26

Out: 0.652+/-0.242 χ^2/NDF:342.7/31

All: 0.860+/-0.173 χ^2/NDF: 669.5/58



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.589+/-0.414 χ^2/NDF:3787.7/12

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

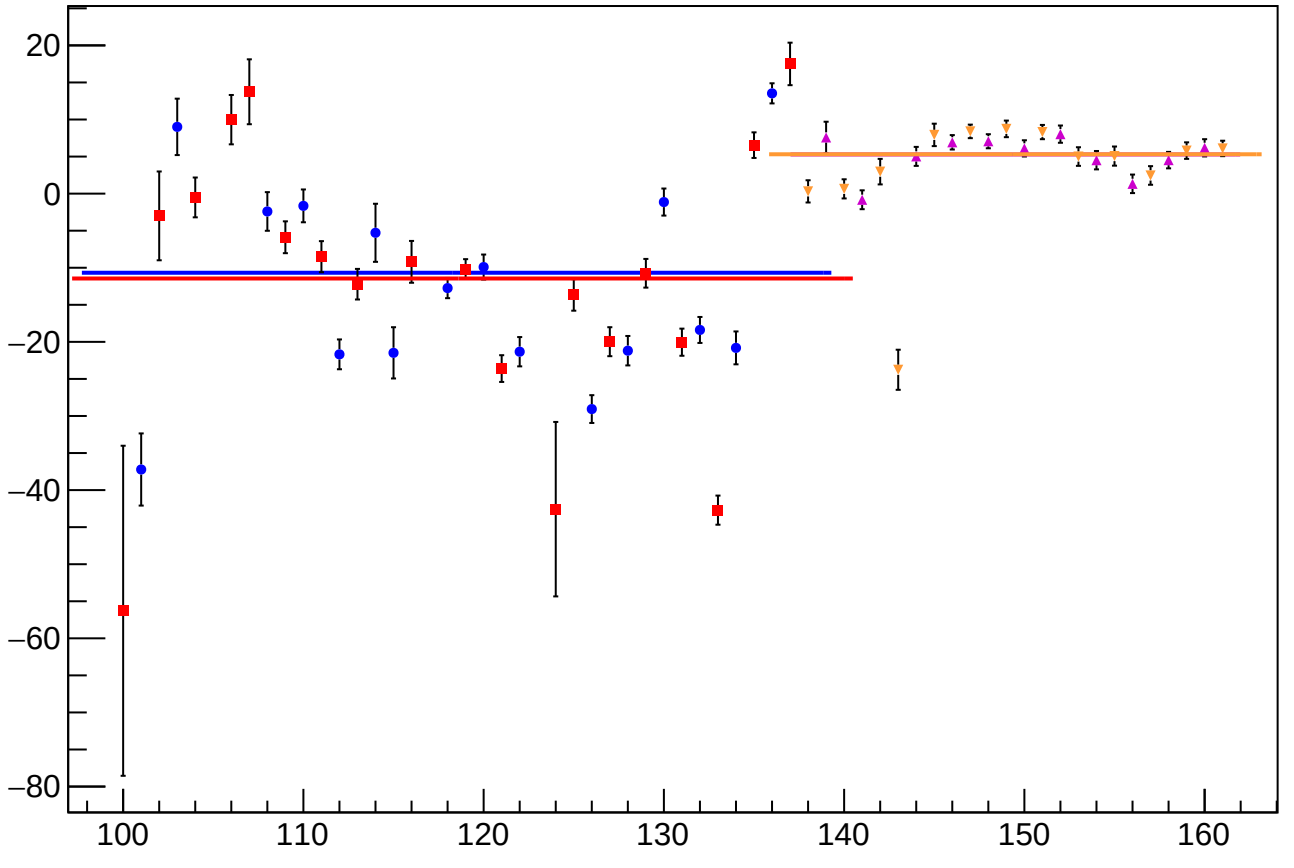
Left: -5.136+/-0.296 χ^2/NDF: 3904.0/23

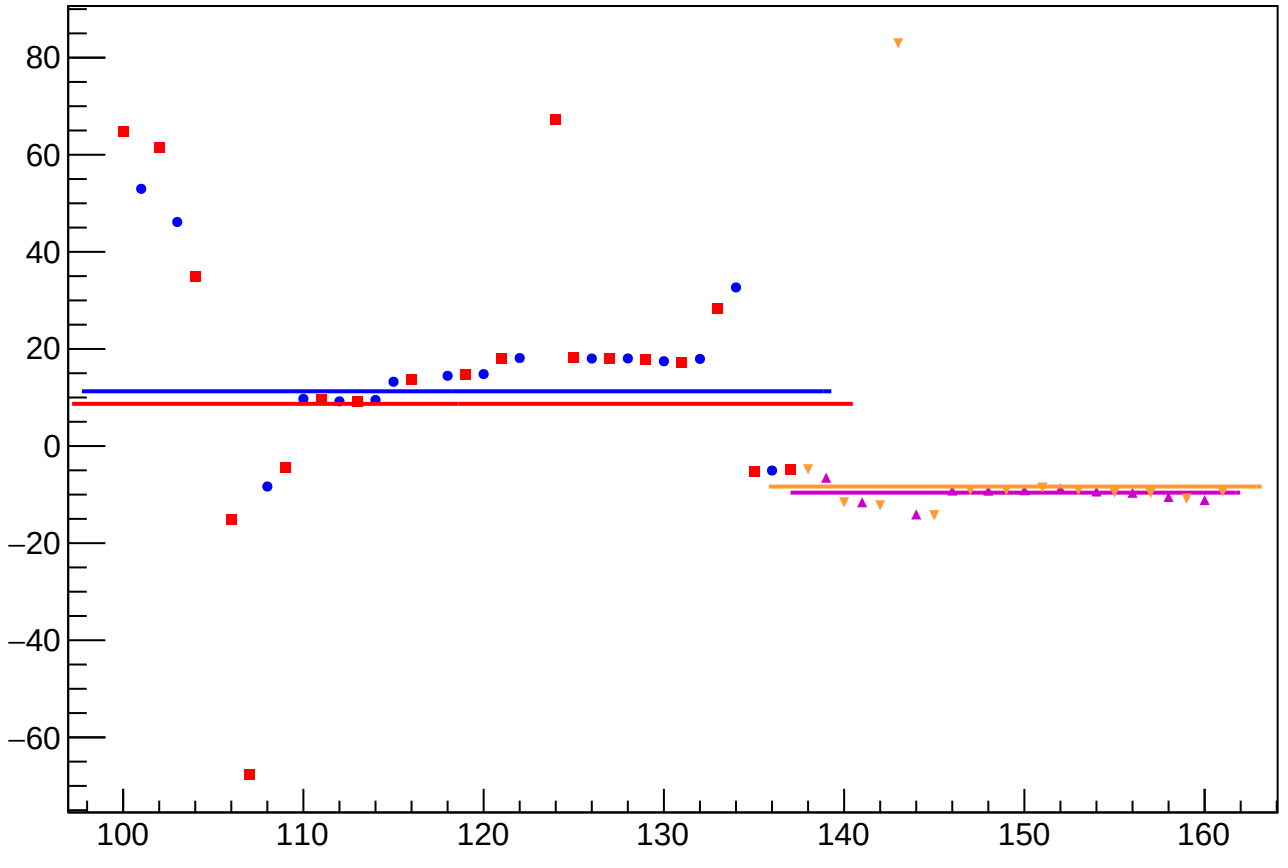
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -24.655+/-0.320 χ^2/NDF:8132.5/26

Out: -24.369+/-0.317 χ^2/NDF:11281.2/31

All: -24.510+/-0.225 χ^2/NDF: 19414.1/58


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 5.311+/-0.340 χ²/NDF:181.1/12
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 5.285+/-0.353 χ²/NDF:48.2/10
Left: 5.298+/-0.245 χ²/NDF: 229.3/23
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.051+/-0.289 χ²/NDF:1384.6/26
Out: 0.228+/-0.284 χ²/NDF:1581.8/31
All: 0.141+/-0.203 χ²/NDF: 2966.6/58



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.342+/-0.016 χ^2/NDF:480126.1/12

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.600+/-0.016 χ^2/NDF:11611.5/10

Left: -8.961+/-0.011 χ^2/NDF: 494926.5/23

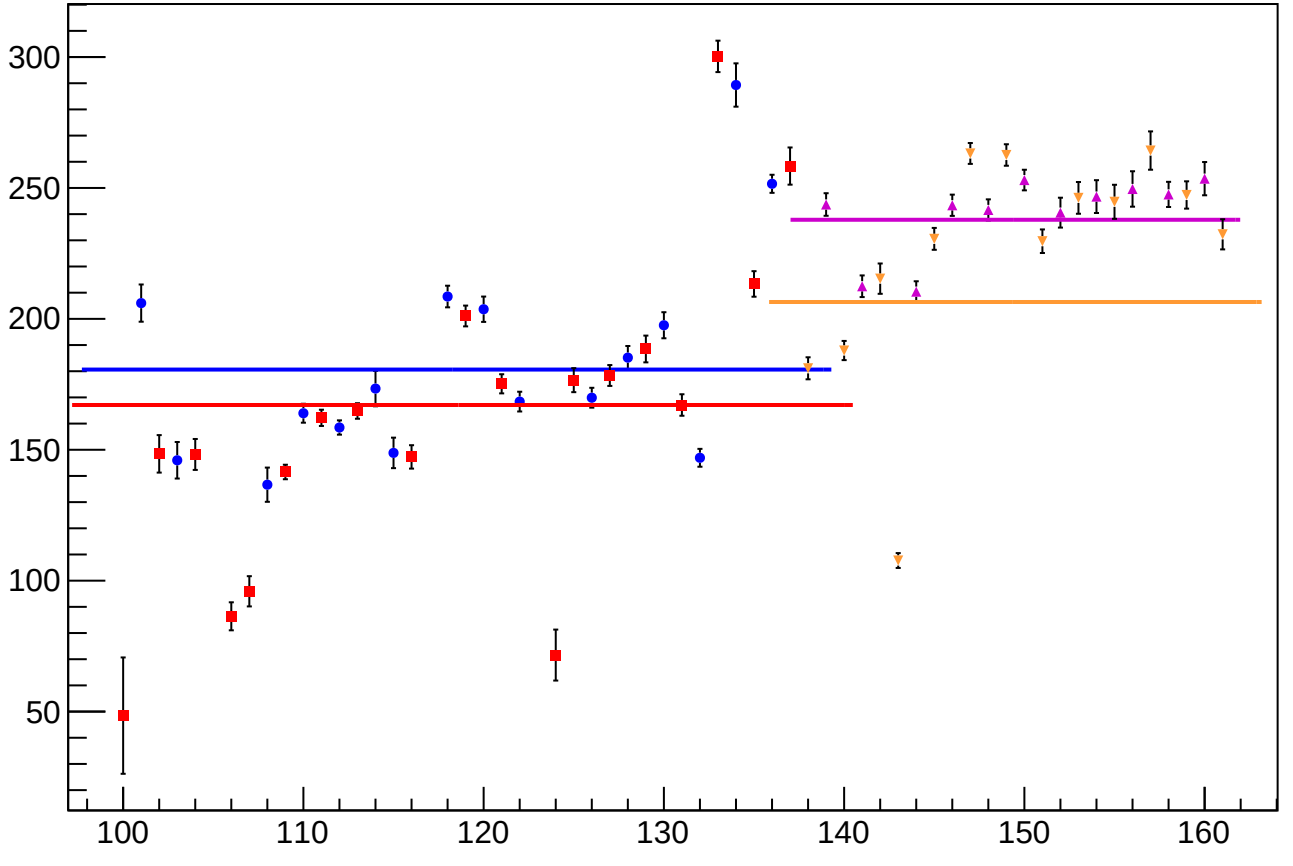
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.015+/-0.014 χ^2/NDF:740828.7/26

Out: -4.965+/-0.014 χ^2/NDF:1152094.0/31

All: -4.990+/-0.010 χ^2/NDF: 1892929.0/58

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: 206.444+/-1.240 χ^2/NDF:1942.6/12

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

Left: 220.232+/-0.929 χ^2/NDF: 2344.5/23

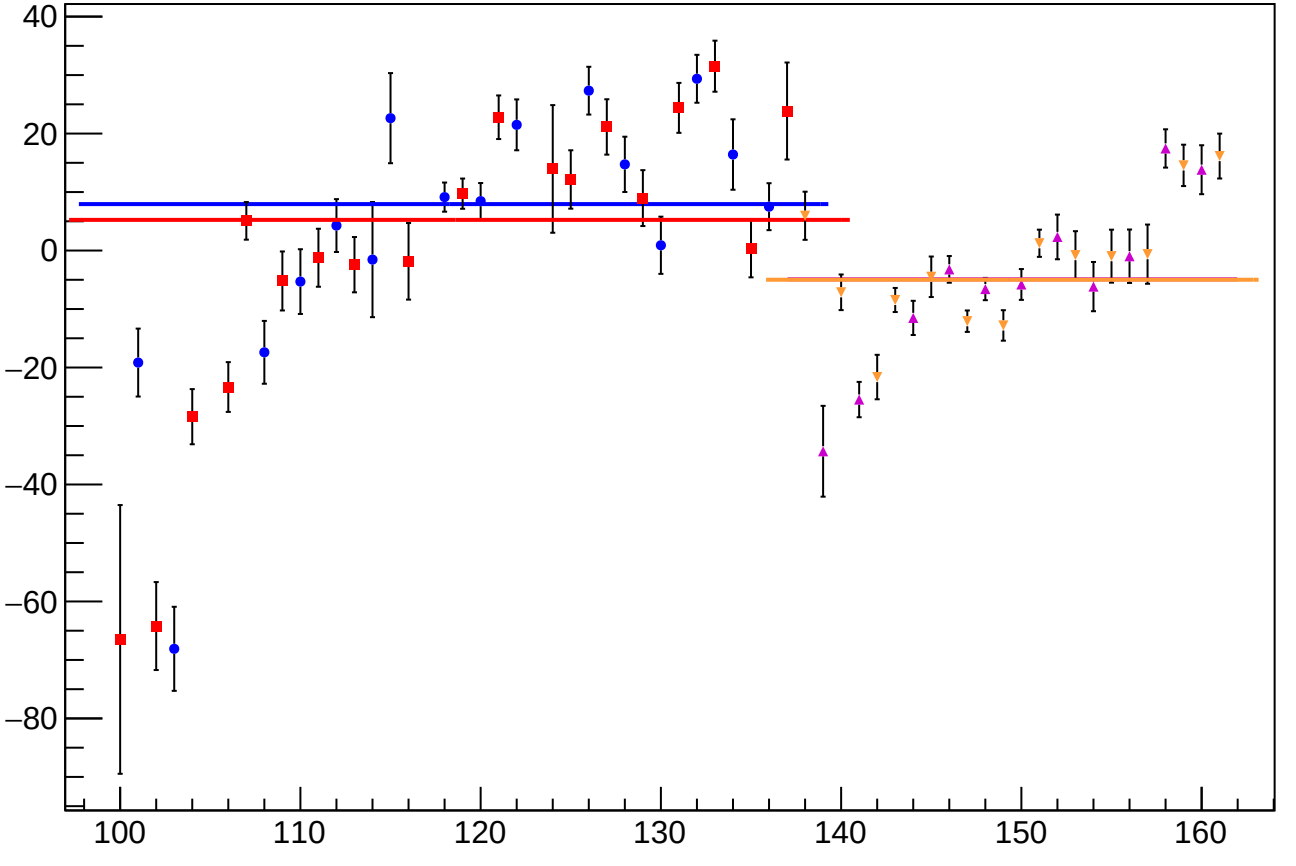
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.176+/-0.860 χ^2/NDF:2152.1/26

Out: 182.987+/-0.788 χ^2/NDF:4026.9/31

All: 191.743+/-0.581 χ^2/NDF: 6449.4/58

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: -4.991+/-0.822 χ^2/NDF:124.2/12

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

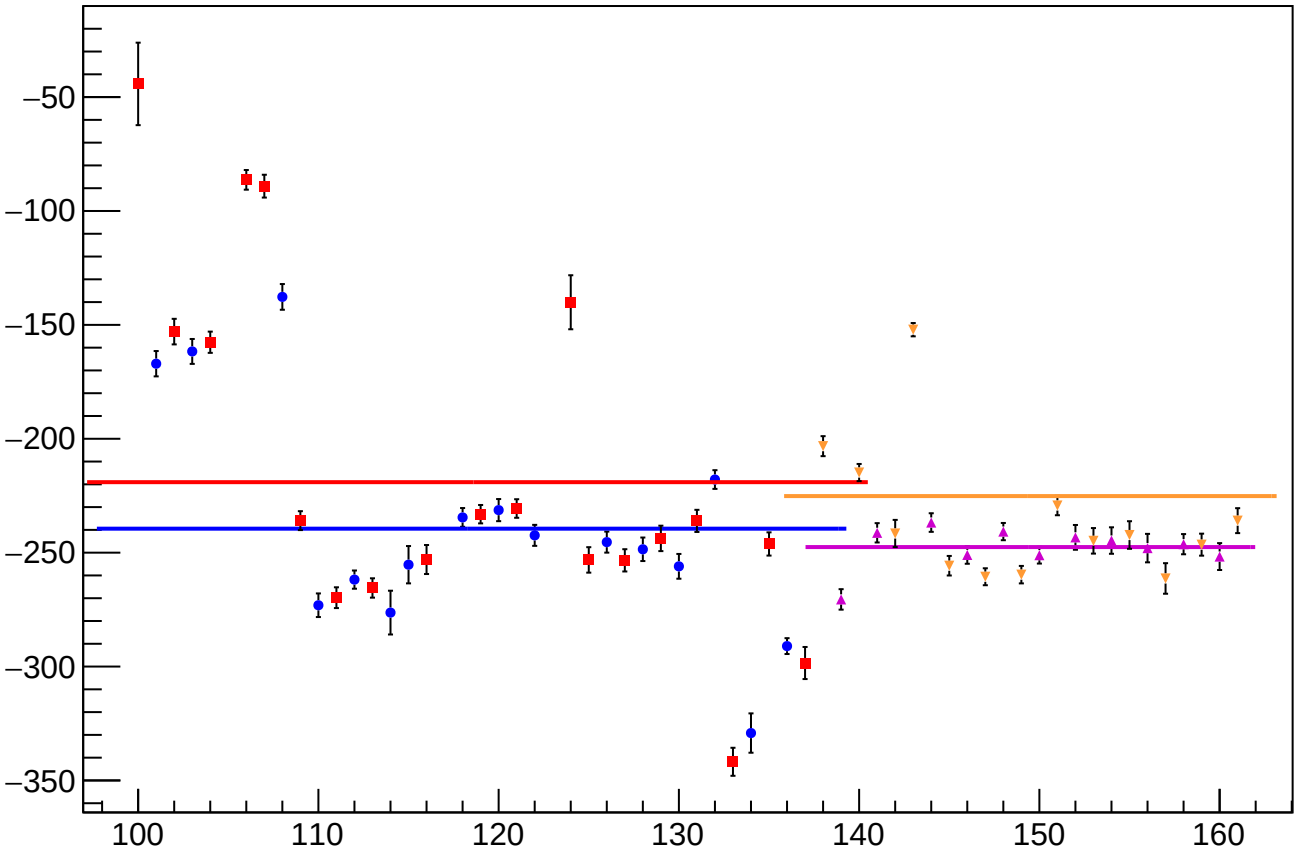
Left: -4.959+/-0.613 χ^2/NDF: 262.6/23

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.309+/-0.710 χ^2/NDF:450.5/26

Out: -1.158+/-0.650 χ^2/NDF:485.2/31

All: -0.488+/-0.479 χ^2/NDF: 938.0/58



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.163+/-1.218 χ^2/NDF:960.8/12

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

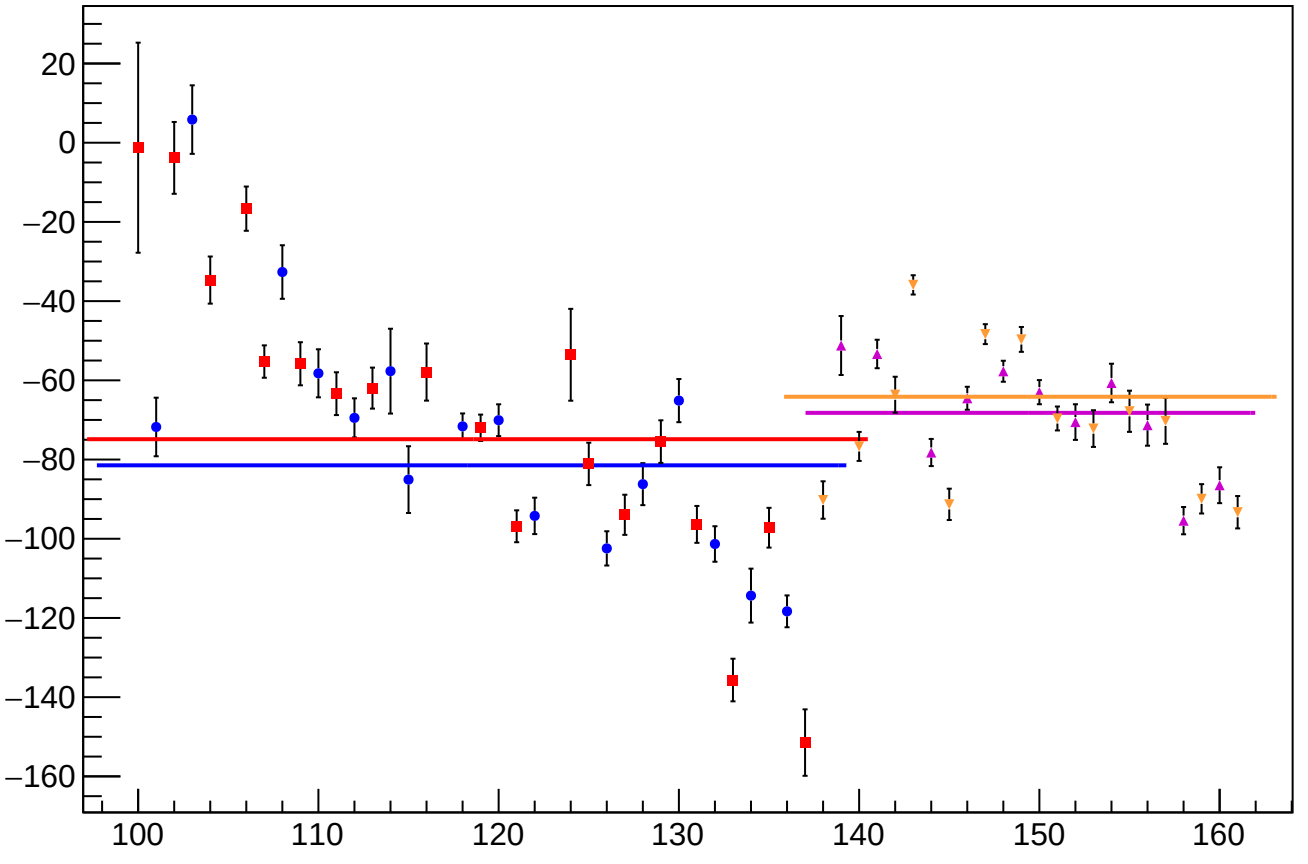
Left: -235.156+/-0.906 χ^2/NDF: 1153.3/23

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -243.164+/-0.917 χ^2/NDF:1223.2/26

Out: -222.002+/-0.846 χ^2/NDF:4023.1/31

All: -231.731+/-0.622 χ^2/NDF: 5533.9/58



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -64.146+/-0.992 χ^2/NDF:391.8/12

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

Left: -65.951+/-0.740 χ^2/NDF: 532.1/23

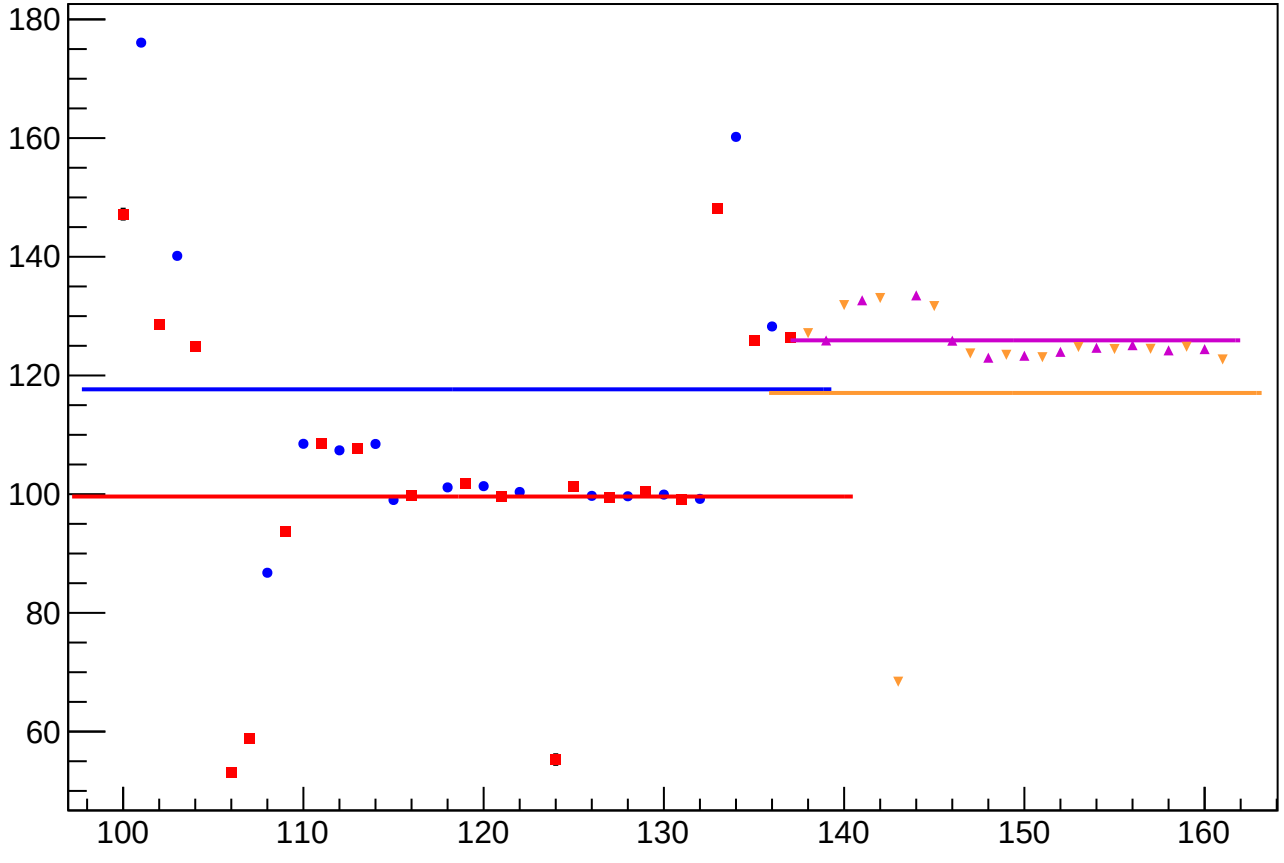
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.866+/-0.841 χ^2/NDF:560.2/26

Out: -68.370+/-0.772 χ^2/NDF:1014.3/31

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

Left: 121.135+/-0.035 χ^2/NDF: 214071.4/23

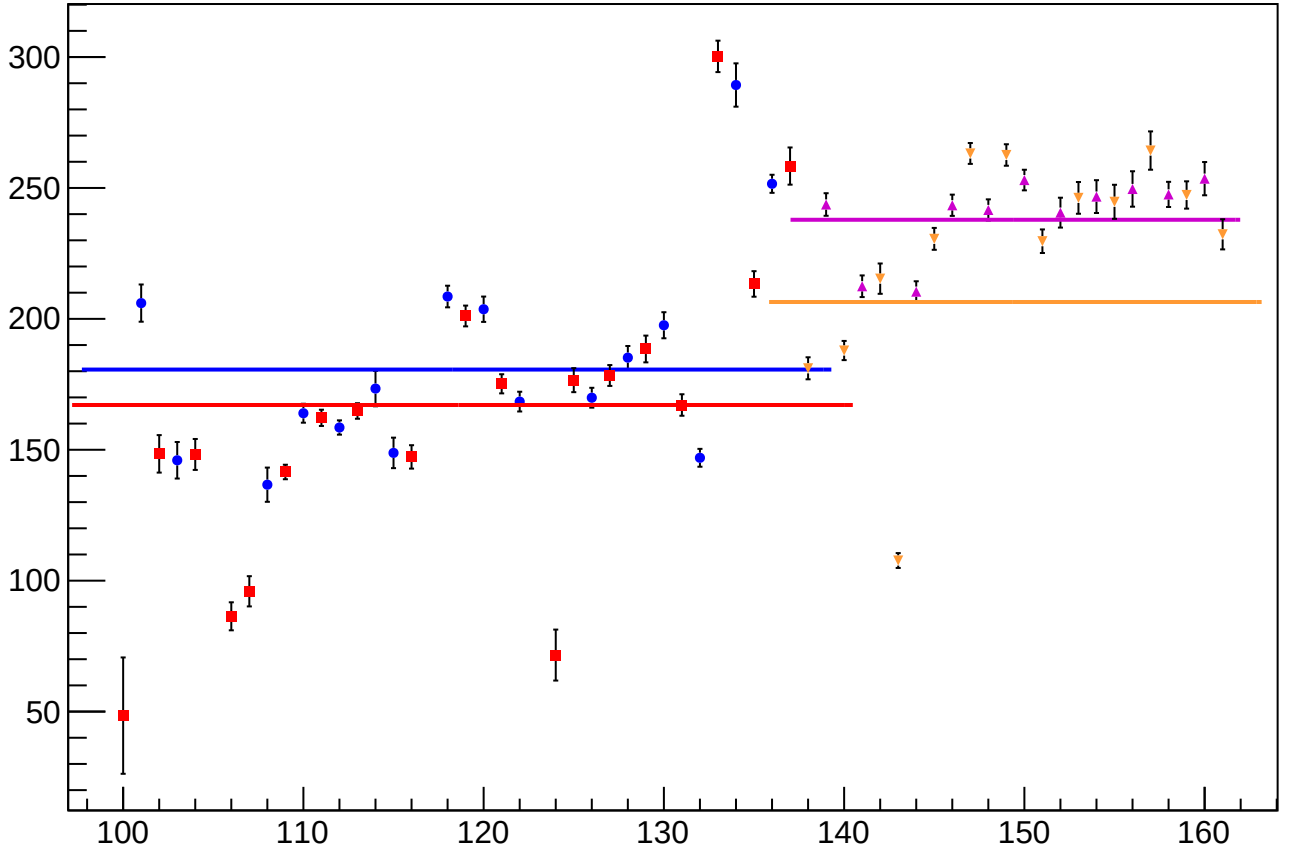
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 111.480+/-0.040 χ^2/NDF:402442.8/31

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58

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: 206.444+/-1.240 χ^2/NDF:1942.6/12

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

Left: 220.232+/-0.929 χ^2/NDF: 2344.5/23

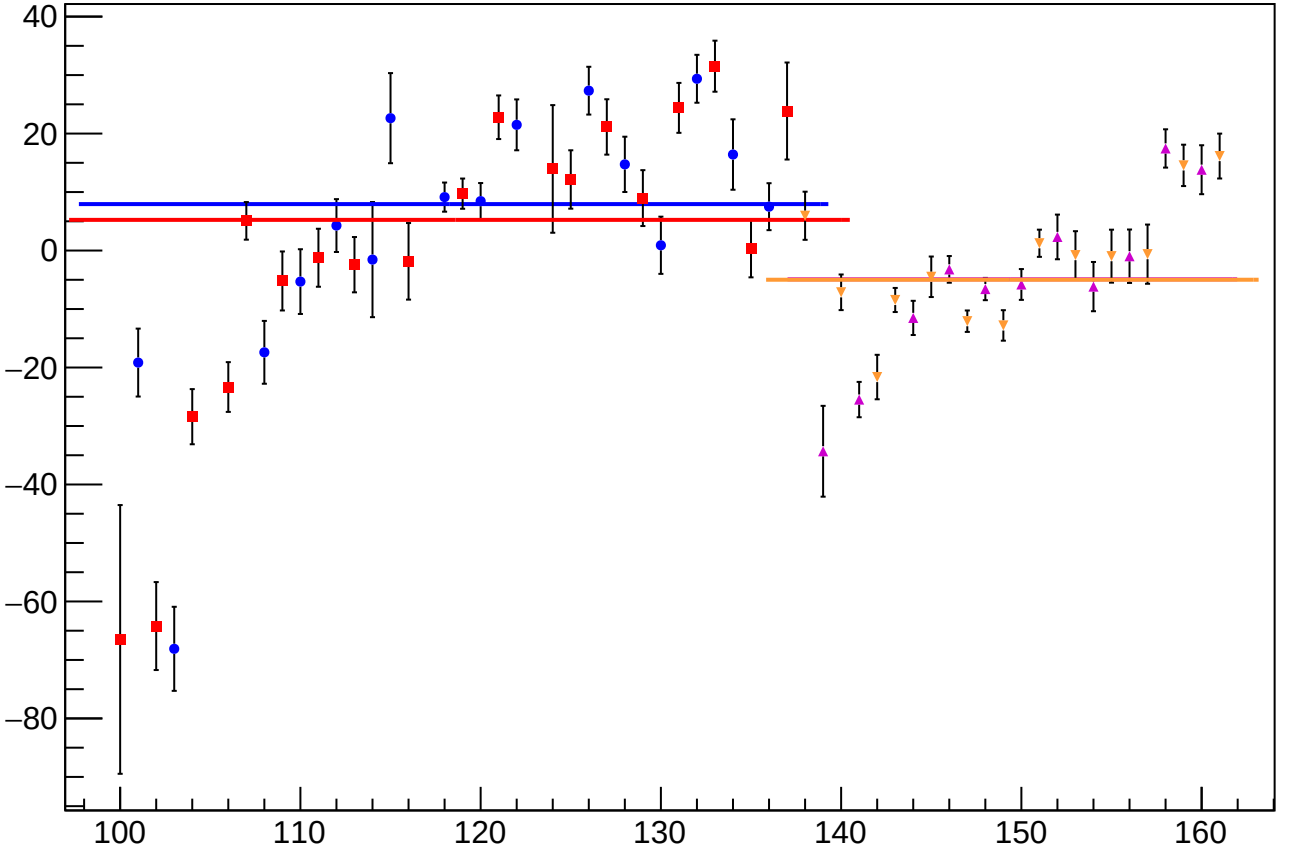
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.176+/-0.860 χ^2/NDF:2152.1/26

Out: 182.987+/-0.788 χ^2/NDF:4026.9/31

All: 191.743+/-0.581 χ^2/NDF: 6449.4/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.991+/-0.822 χ^2/NDF:124.2/12

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

Left: -4.959+/-0.613 χ^2/NDF: 262.6/23

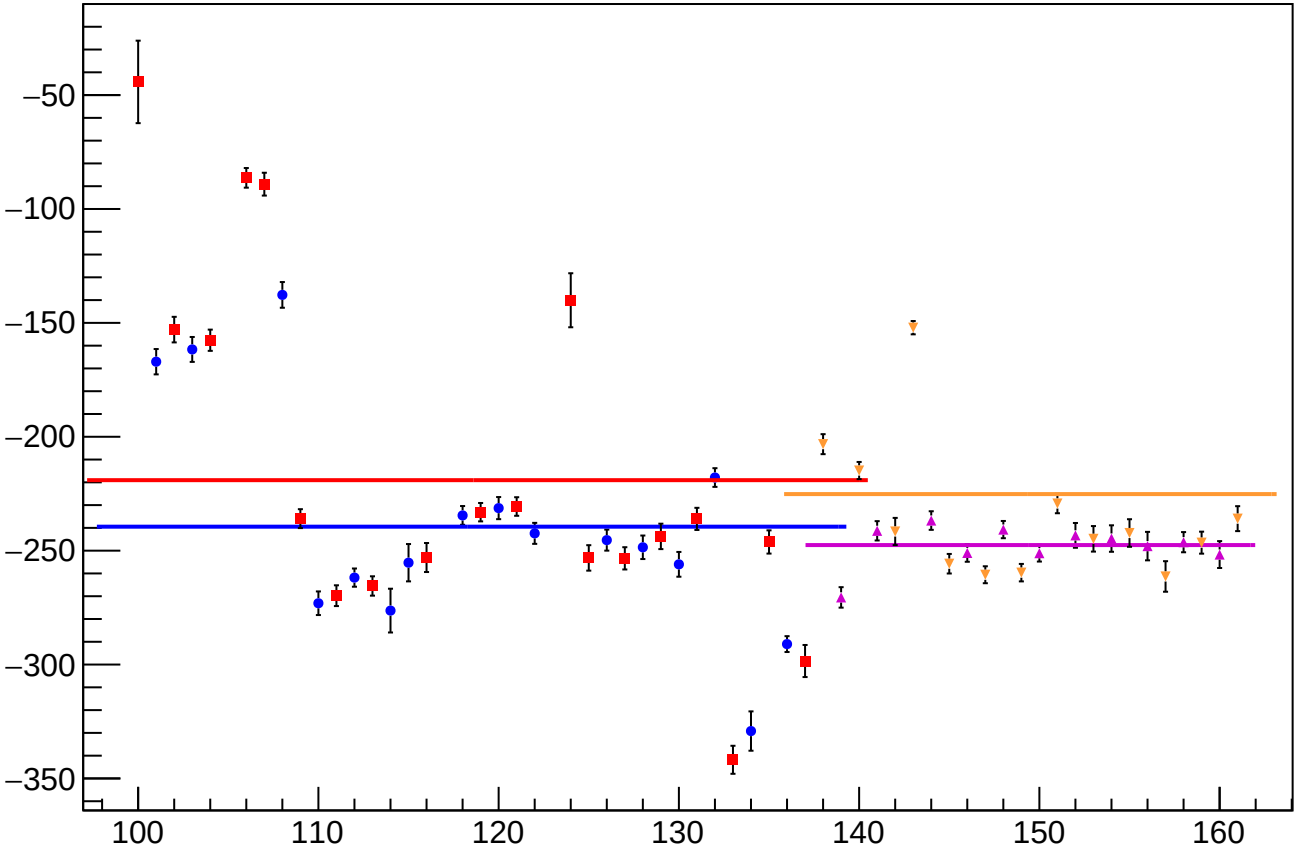
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.309+/-0.710 χ^2/NDF:450.5/26

Out: -1.158+/-0.650 χ^2/NDF:485.2/31

All: -0.488+/-0.479 χ^2/NDF: 938.0/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.163+/-1.218 χ^2/NDF:960.8/12

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

Left: -235.156+/-0.906 χ^2/NDF: 1153.3/23

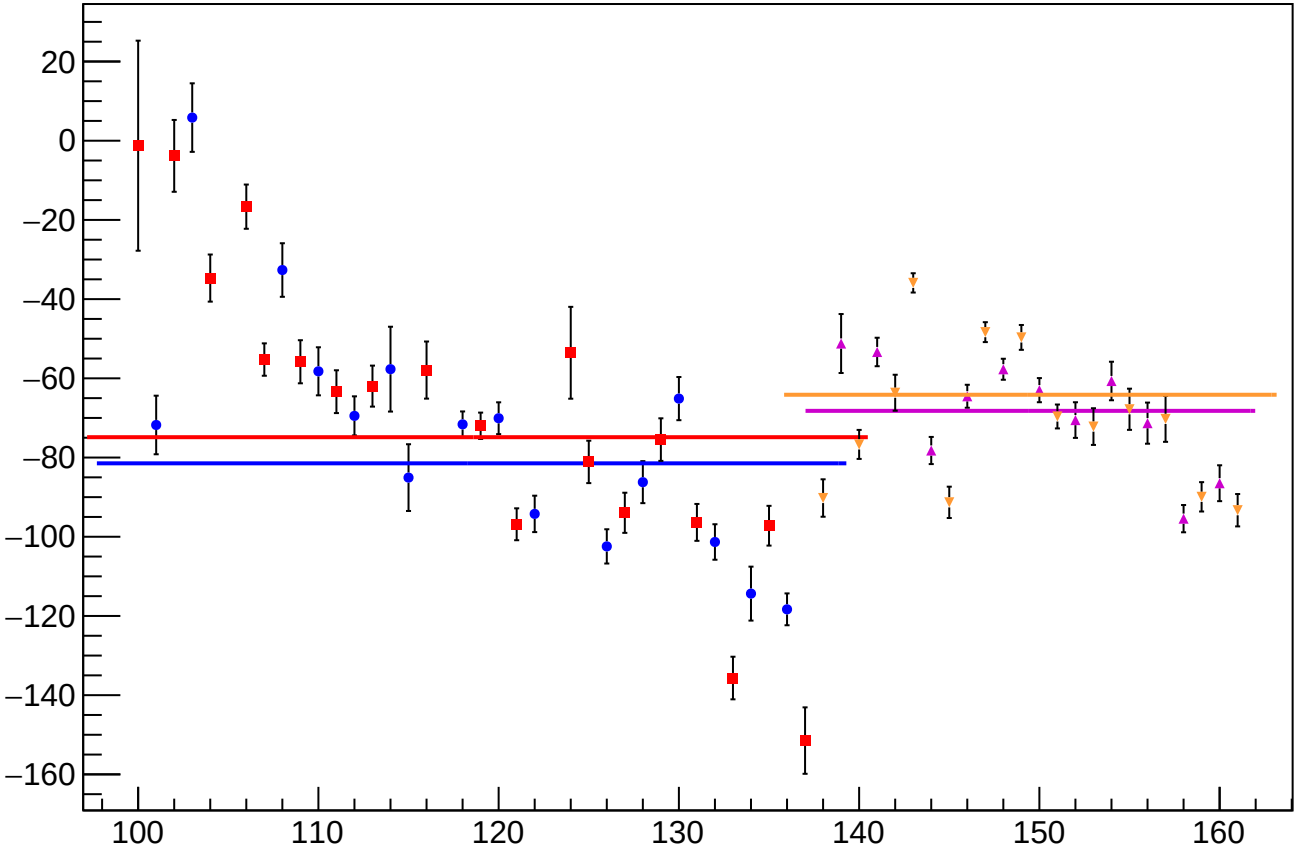
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -243.164+/-0.917 χ^2/NDF:1223.2/26

Out: -222.002+/-0.846 χ^2/NDF:4023.1/31

All: -231.731+/-0.622 χ^2/NDF: 5533.9/58

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: -64.146+/-0.992 χ^2/NDF:391.8/12

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

Left: -65.951+/-0.740 χ^2/NDF: 532.1/23

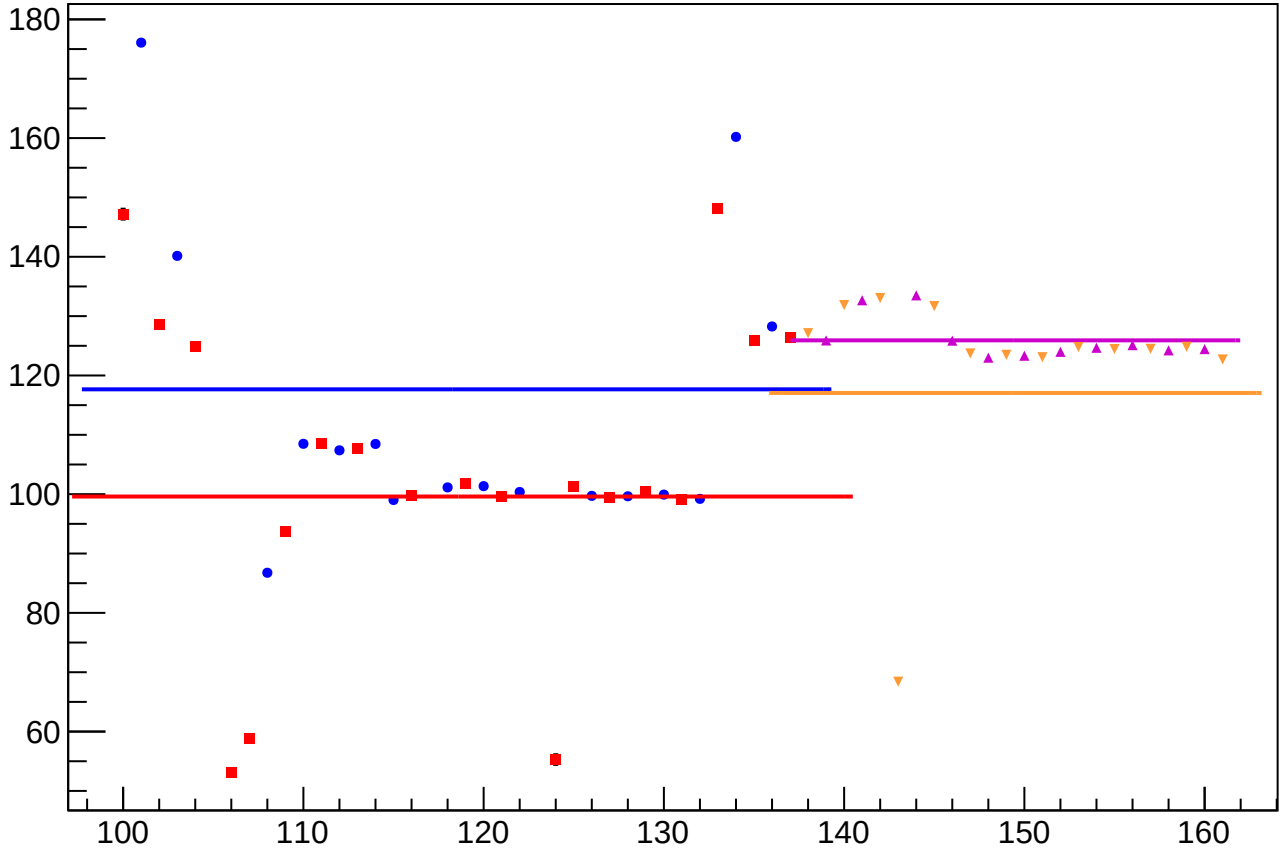
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.866+/-0.841 χ^2/NDF:560.2/26

Out: -68.370+/-0.772 χ^2/NDF:1014.3/31

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58

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: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

Left: 121.135+/-0.035 χ^2/NDF: 214071.4/23

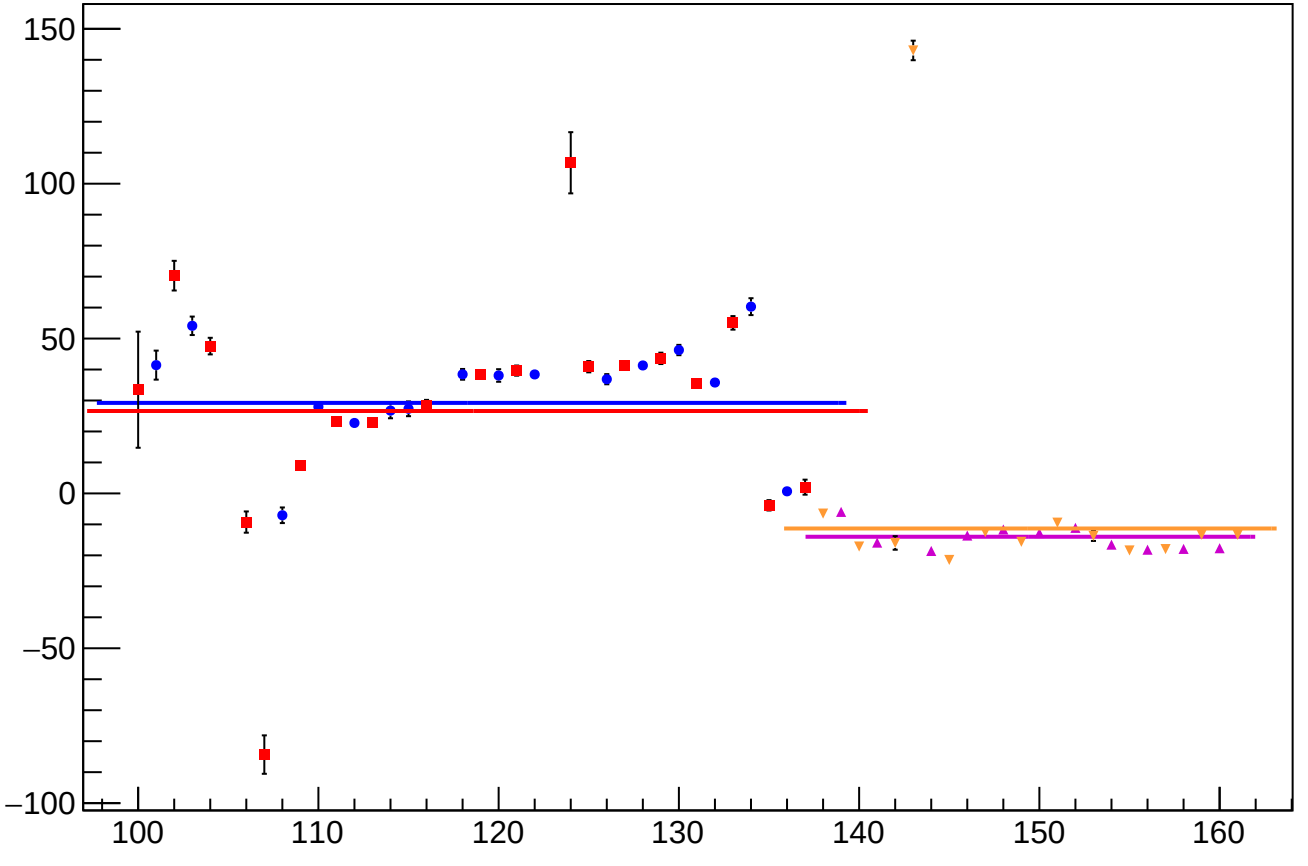
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.379+/-0.043 χ^2/NDF:107322.2/26

Out: 111.480+/-0.040 χ^2/NDF:402442.8/31

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.326+/-0.428 χ^2/NDF:2529.7/12

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

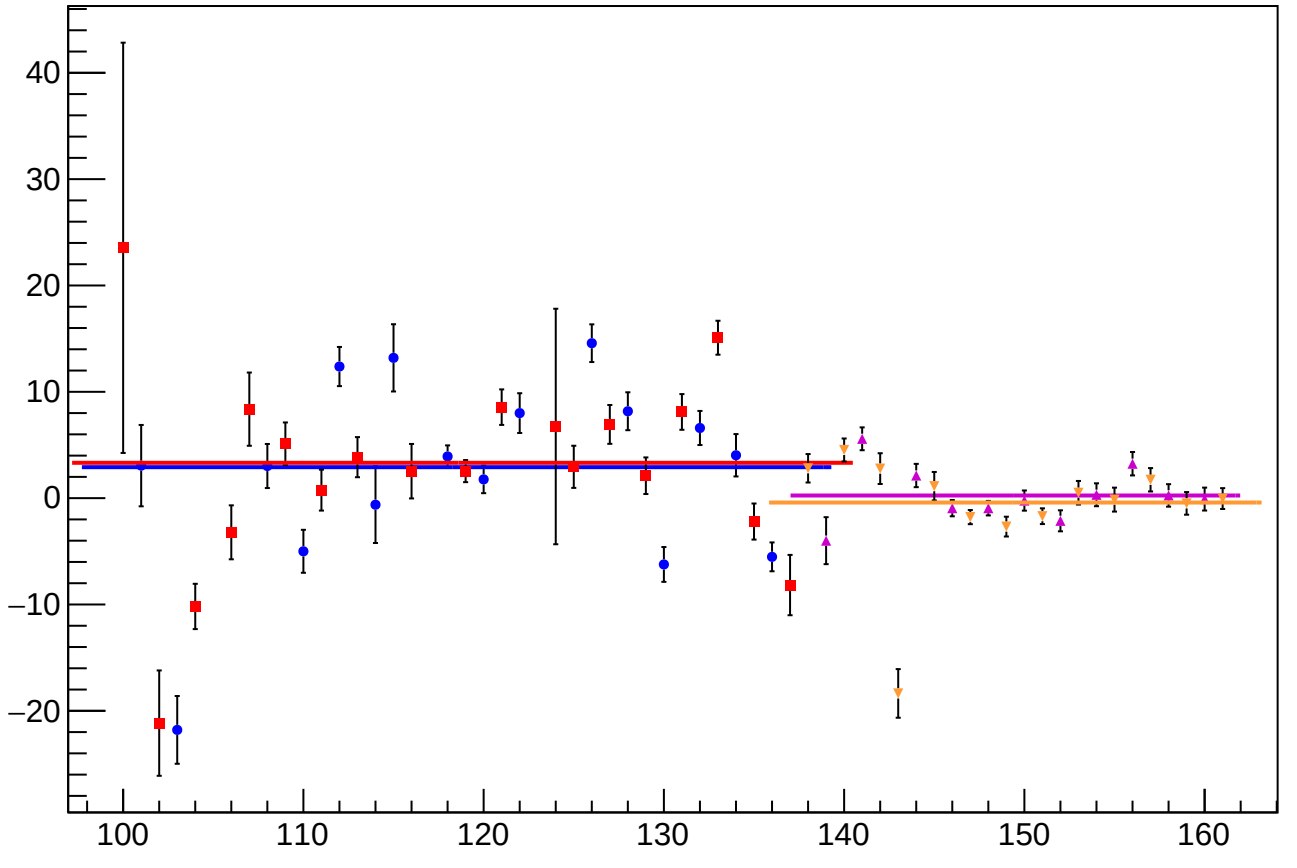
Left: -12.622+/-0.307 χ^2/NDF: 2630.9/23

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 8.422+/-0.306 χ^2/NDF:6421.3/26

Out: 8.264+/-0.298 χ^2/NDF:8508.9/31

All: 8.341+/-0.213 χ^2/NDF: 14930.3/58



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.412+/-0.286 χ^2/NDF:112.4/12

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.249+/-0.297 χ^2/NDF:50.3/10

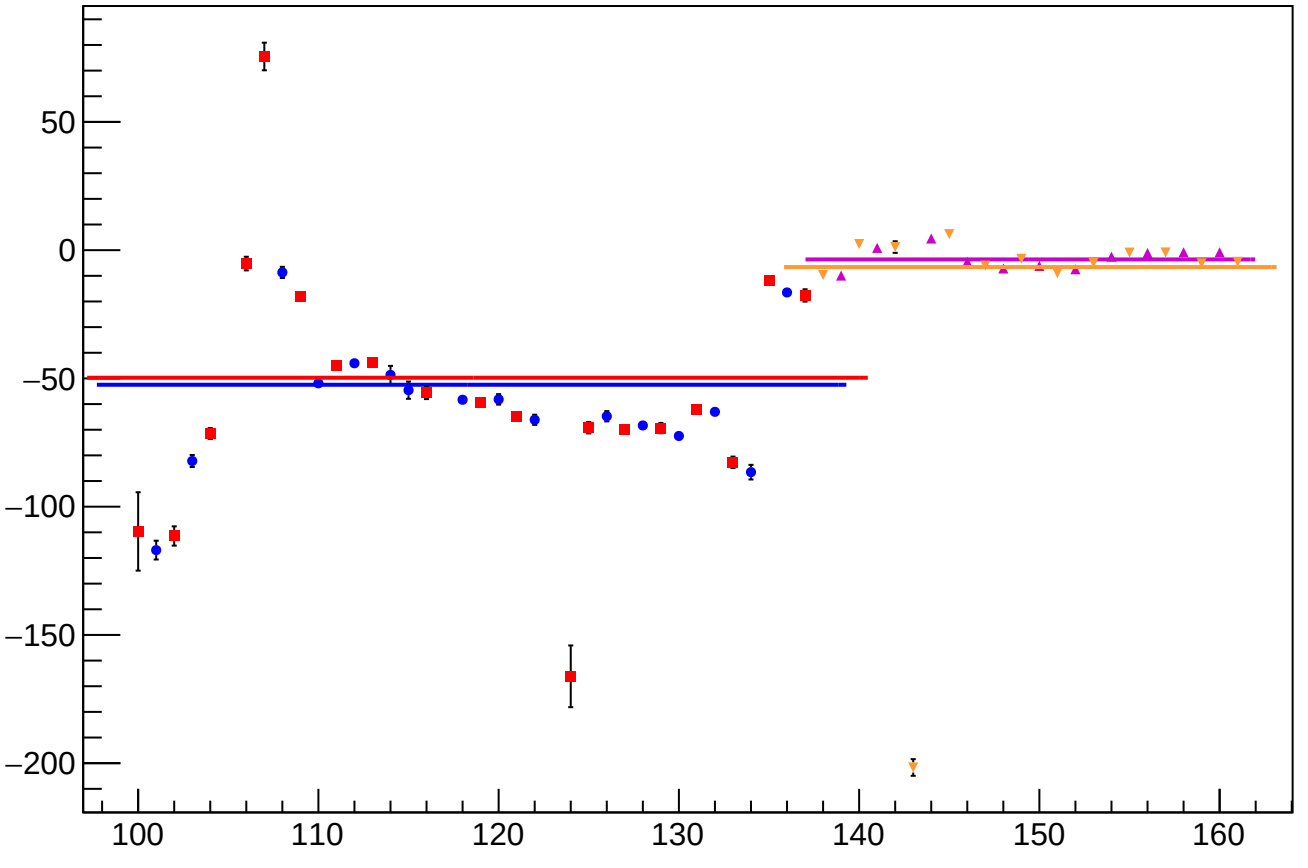
Left: -0.094+/-0.206 χ^2/NDF: 165.2/23

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.076+/-0.247 χ^2/NDF:325.2/26

Out: 0.652+/-0.242 χ^2/NDF:342.7/31

All: 0.860+/-0.173 χ^2/NDF: 669.5/58



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.589+/-0.414 χ^2/NDF:3787.7/12

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

Left: -5.136+/-0.296 χ^2/NDF: 3904.0/23

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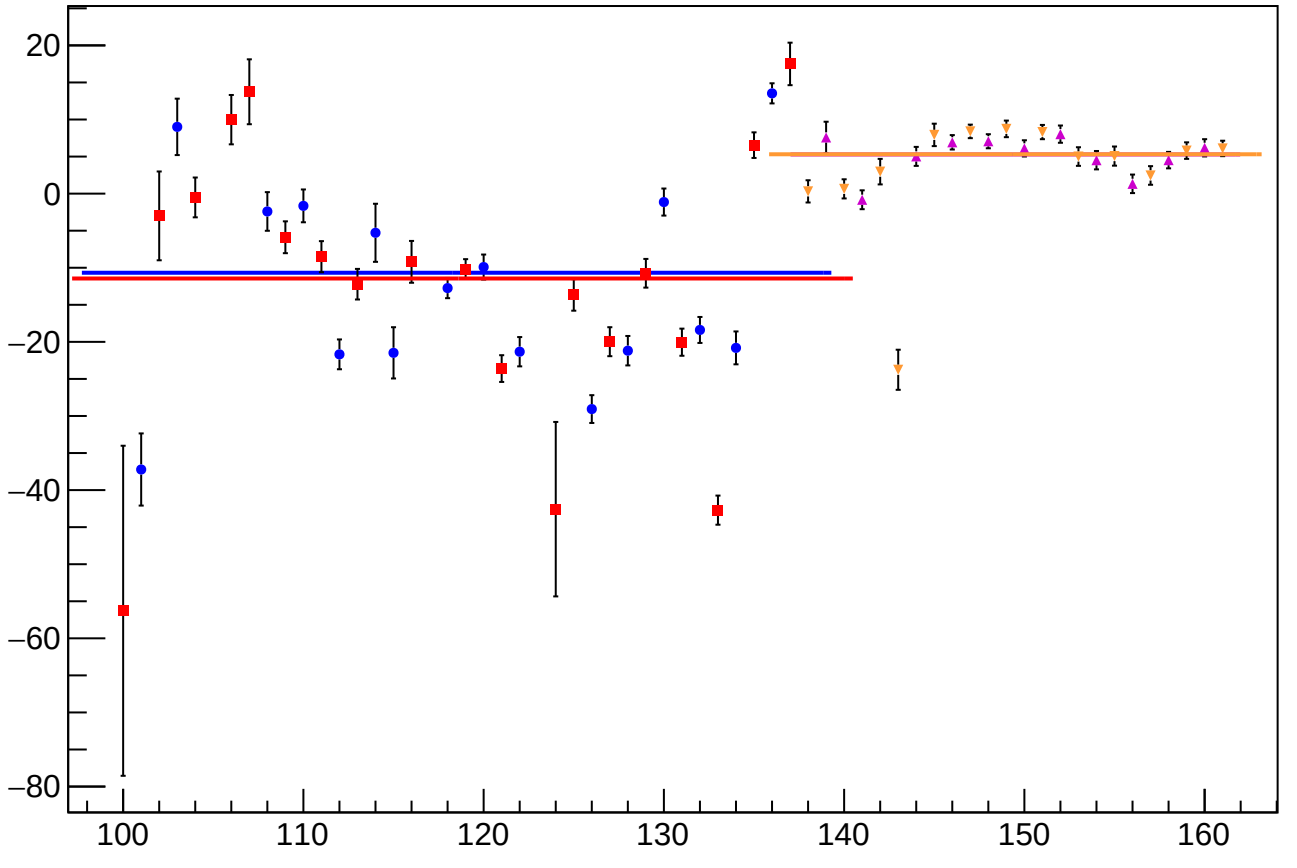
In: -24.655+/-0.320 χ^2/NDF:8132.5/26

Out: -24.369+/-0.317 χ^2/NDF:11281.2/31

All: -24.510+/-0.225 χ^2/NDF: 19414.1/58



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.311+/-0.340 χ^2/NDF:181.1/12

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.285+/-0.353 χ^2/NDF:48.2/10

Left: 5.298+/-0.245 χ^2/NDF: 229.3/23

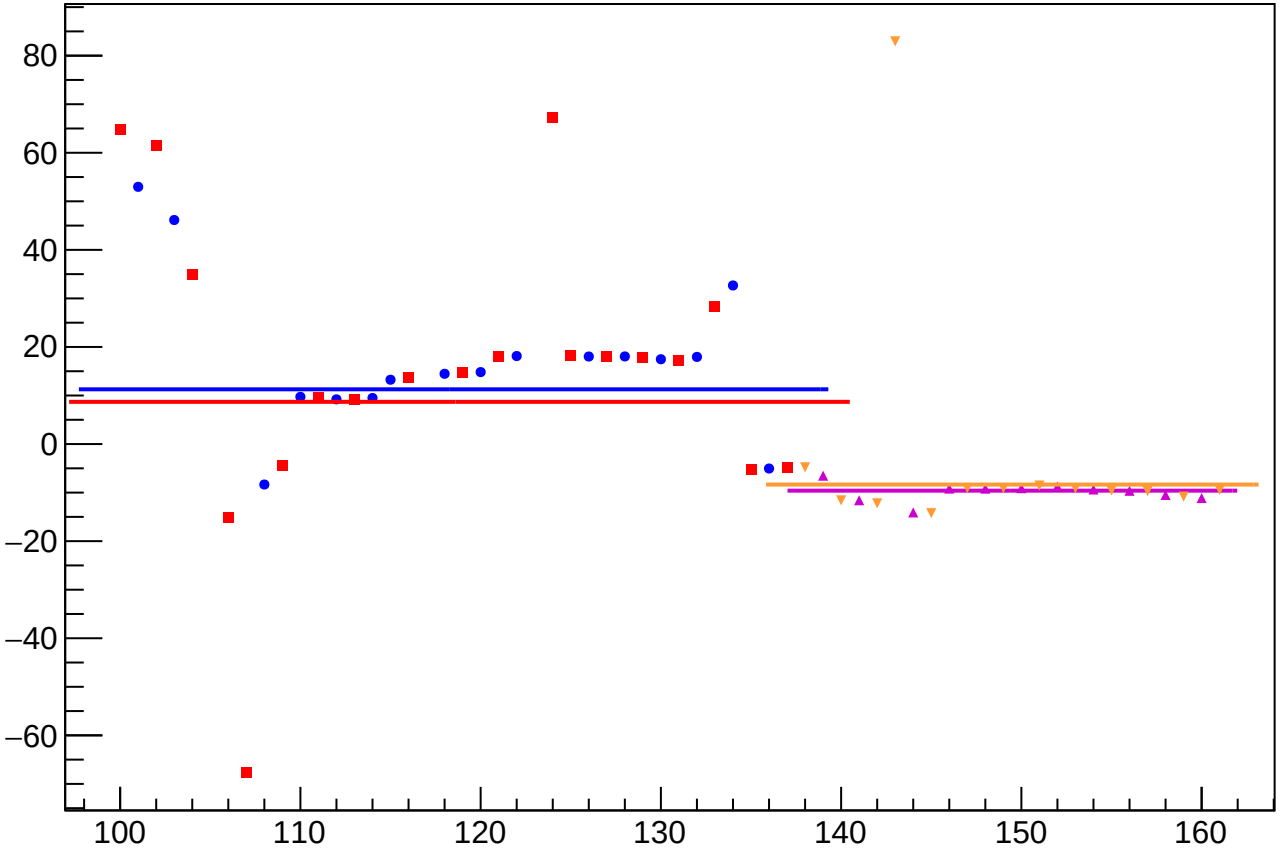
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.051+/-0.289 χ^2/NDF:1384.6/26

Out: 0.228+/-0.284 χ^2/NDF:1581.8/31

All: 0.141+/-0.203 χ^2/NDF: 2966.6/58

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.342+/-0.016 χ^2/NDF:480126.1/12

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.600+/-0.016 χ^2/NDF:11611.5/10

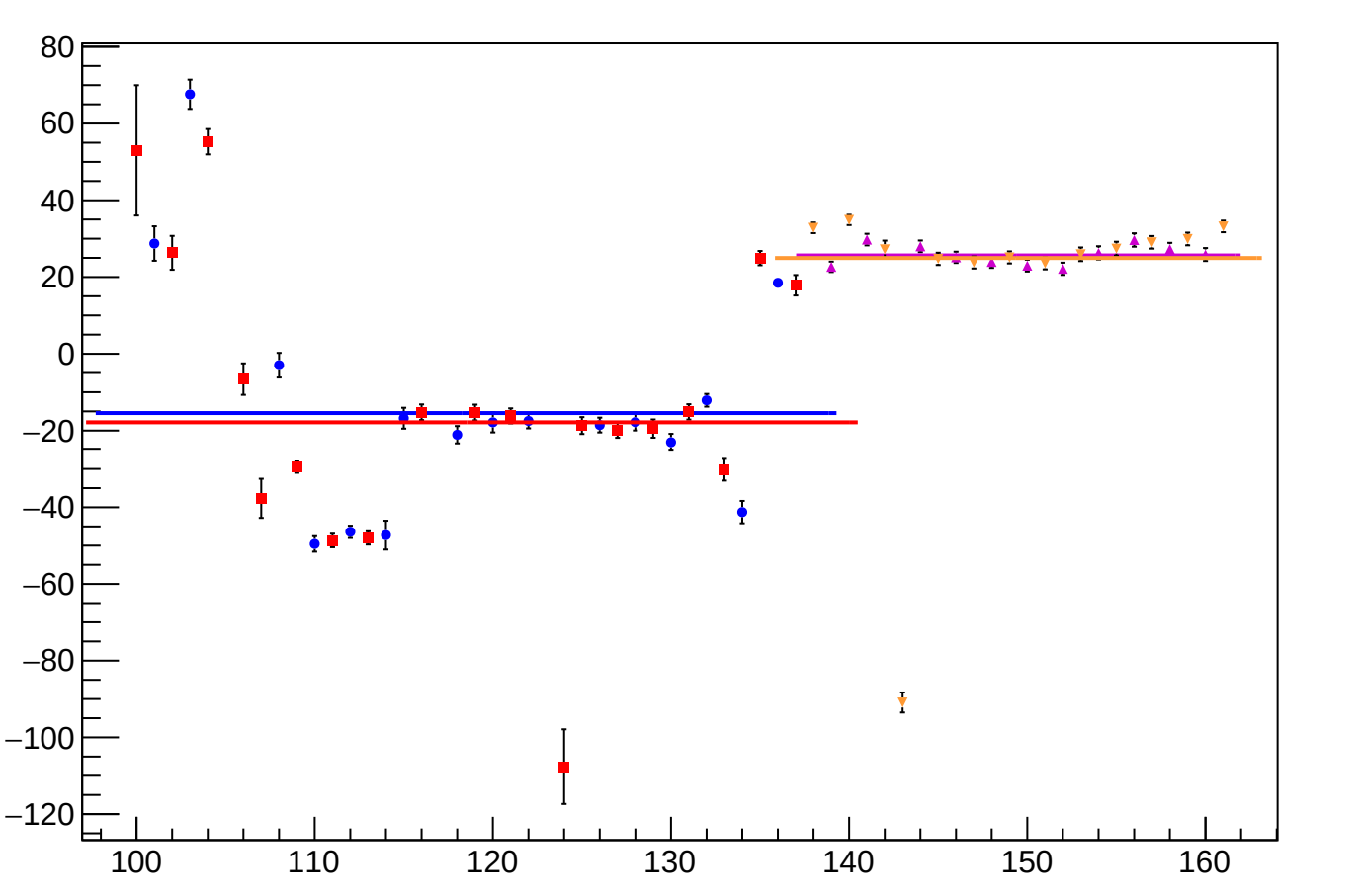
Left: -8.961+/-0.011 χ^2/NDF: 494926.5/23

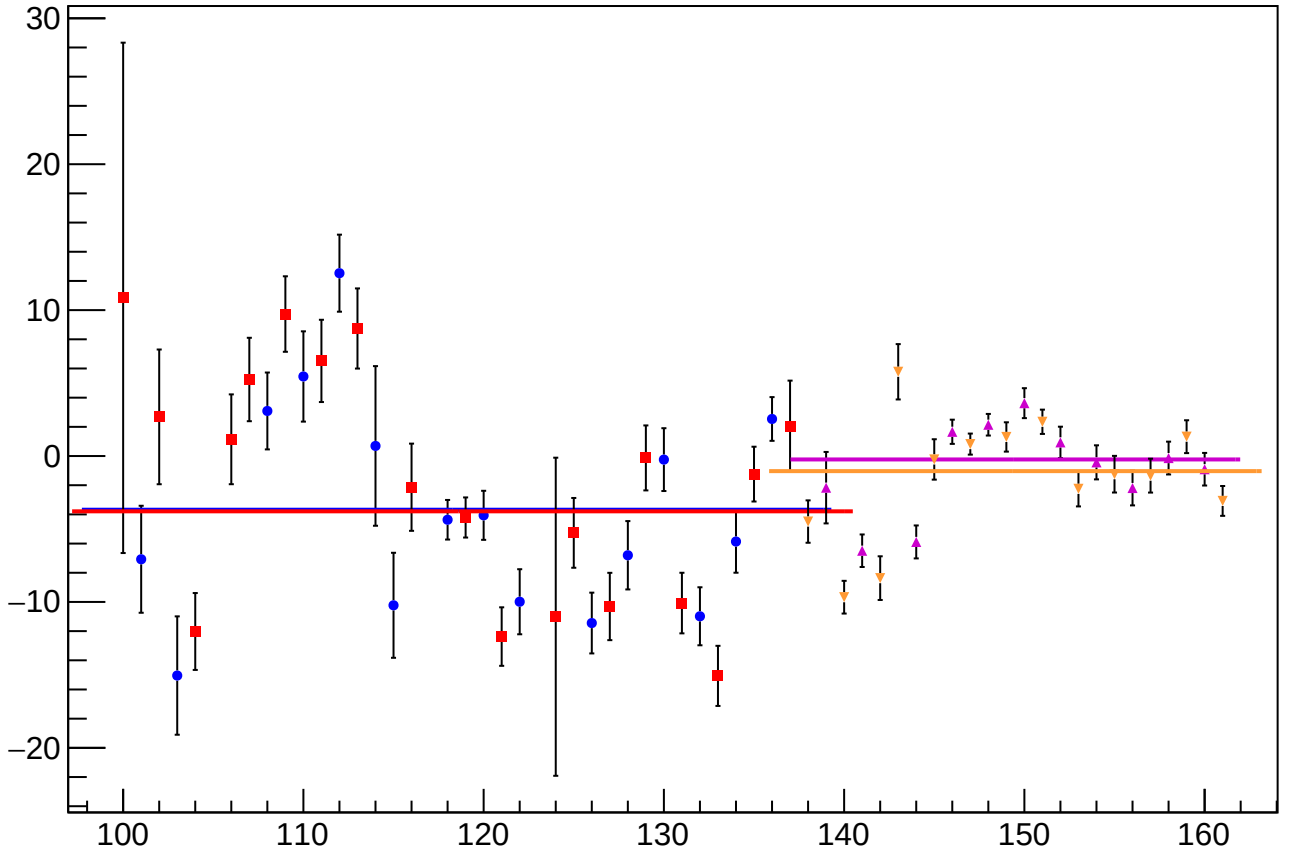
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.015+/-0.014 χ^2/NDF:740828.7/26

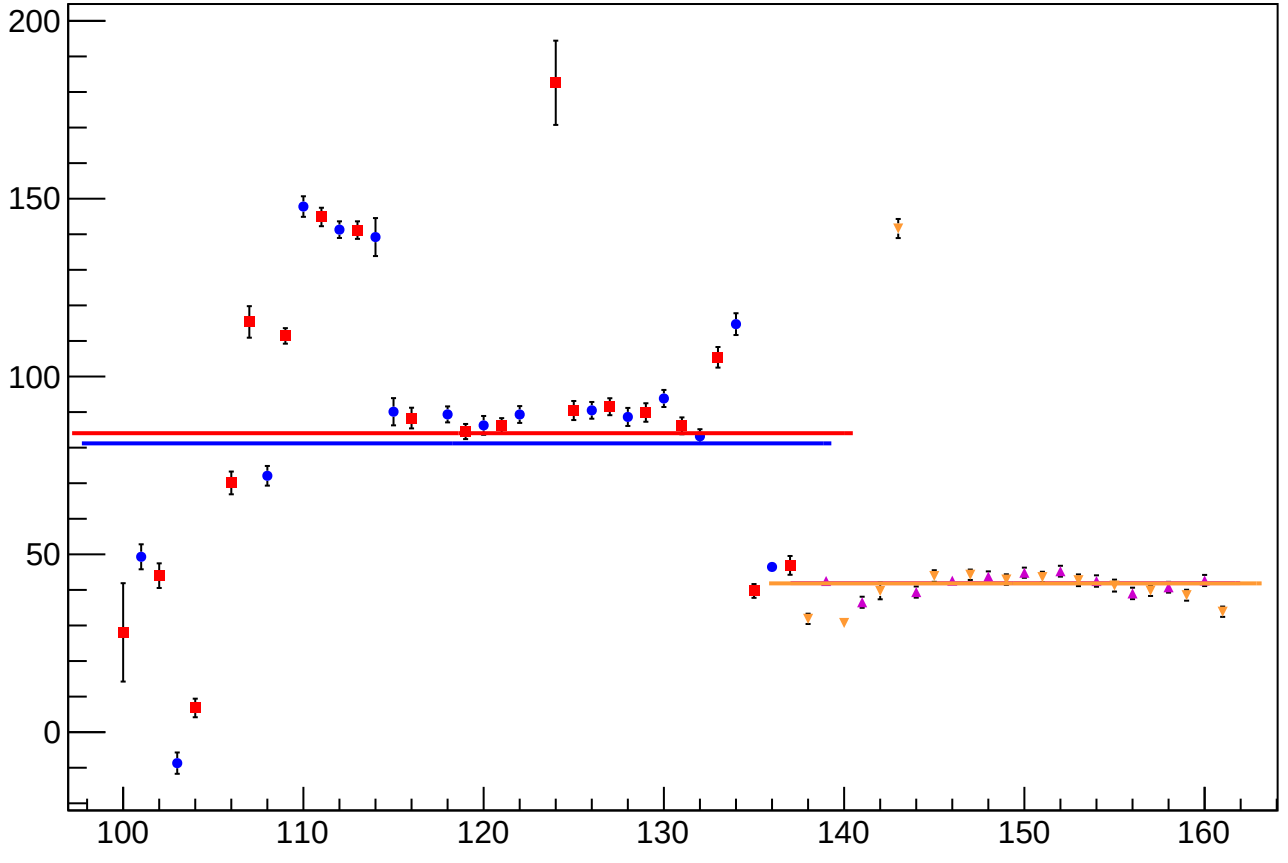
Out: -4.965+/-0.014 χ^2/NDF:1152094.0/31

All: -4.990+/-0.010 χ^2/NDF: 1892929.0/58


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.954+/-0.456 χ²/NDF:2103.5/12
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.631+/-0.472 χ²/NDF:30.2/10
Left: 25.281+/-0.328 χ²/NDF: 2134.7/23
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 7.789+/-0.355 χ²/NDF:5437.3/26
Out: 6.732+/-0.346 χ²/NDF:7979.3/31
All: 7.246+/-0.248 χ²/NDF: 13421.2/58


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.035+/-0.306 χ²/NDF:140.3/12
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.234+/-0.318 χ²/NDF:91.1/10
Left: -0.650+/-0.221 χ²/NDF: 234.7/23
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.094+/-0.276 χ²/NDF:244.4/26
Out: -1.662+/-0.269 χ²/NDF:320.0/31
All: -1.385+/-0.192 χ²/NDF: 566.5/58

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: 41.838+/-0.441 χ^2/NDF:1536.2/12

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

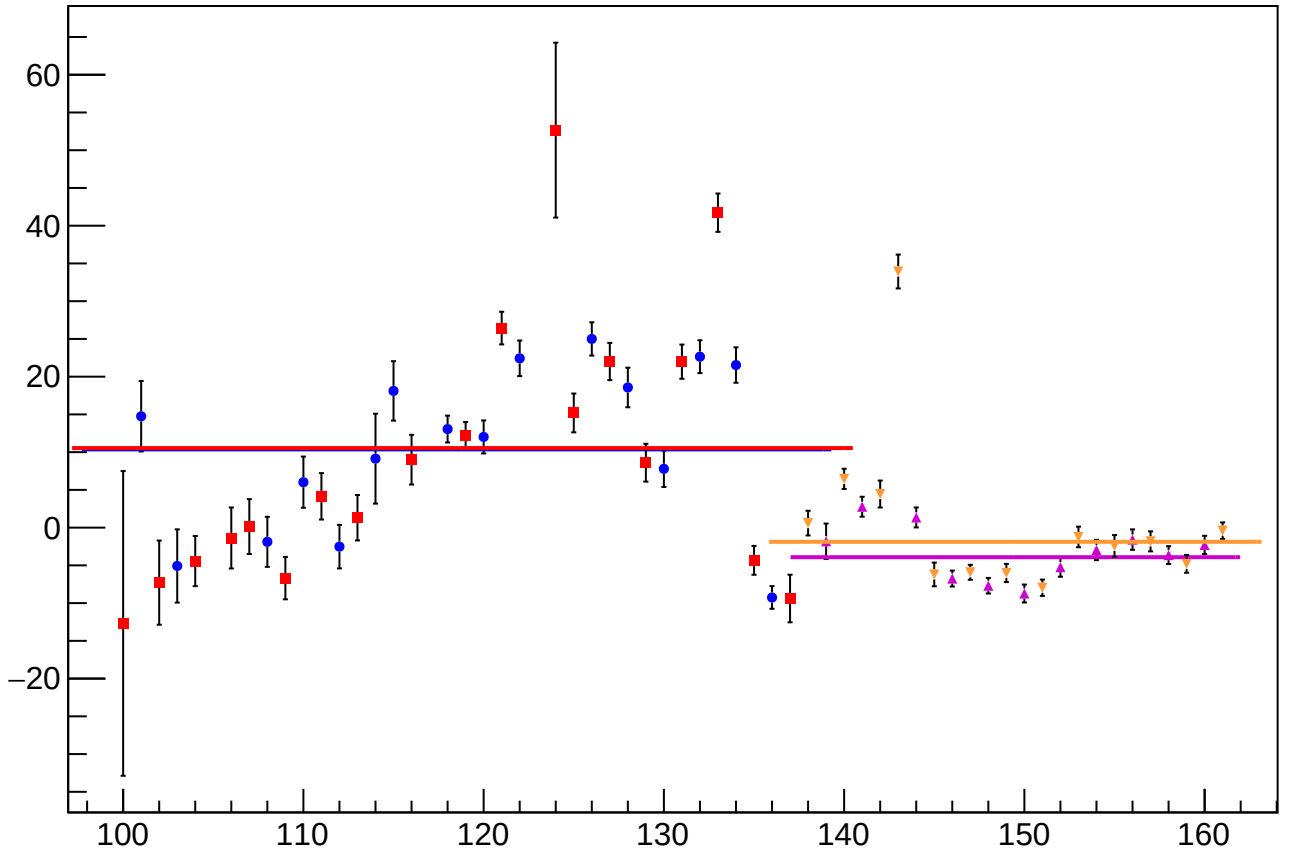
Left: 41.878+/-0.317 χ^2/NDF: 1566.0/23

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 56.064+/-0.364 χ^2/NDF:5940.0/26

Out: 56.155+/-0.359 χ^2/NDF:7845.9/31

All: 56.110+/-0.256 χ^2/NDF: 13785.9/58



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.878+/-0.364 χ^2/NDF:384.8/12

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.918+/-0.378 χ^2/NDF:85.8/10

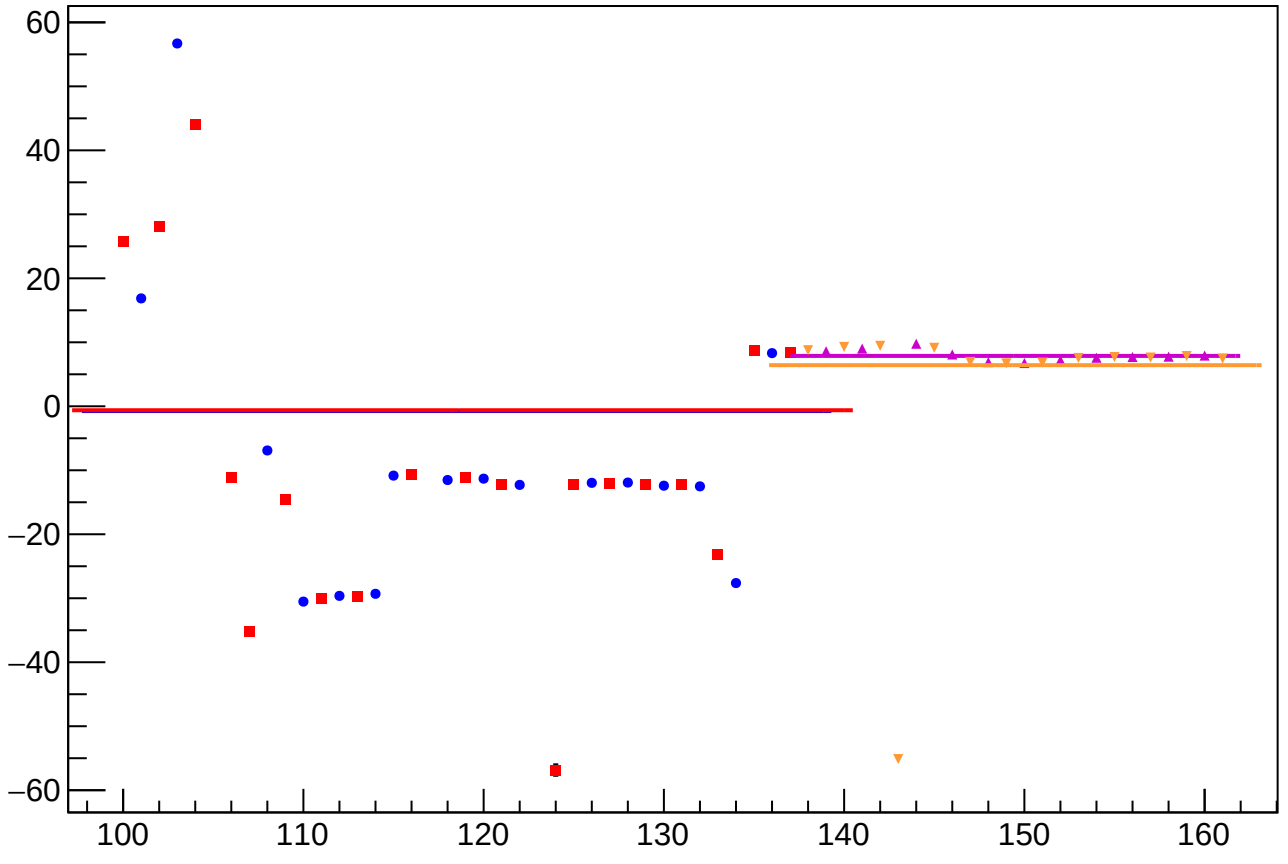
Left: -2.858+/-0.262 χ^2/NDF: 485.7/23

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: -0.106+/-0.324 χ^2/NDF:826.7/26

Out: 1.150+/-0.316 χ^2/NDF:1139.9/31

All: 0.537+/-0.226 χ^2/NDF: 1974.3/58



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.426+/-0.017 χ^2/NDF:312841.8/12

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

Left: 7.135+/-0.012 χ^2/NDF: 318634.6/23

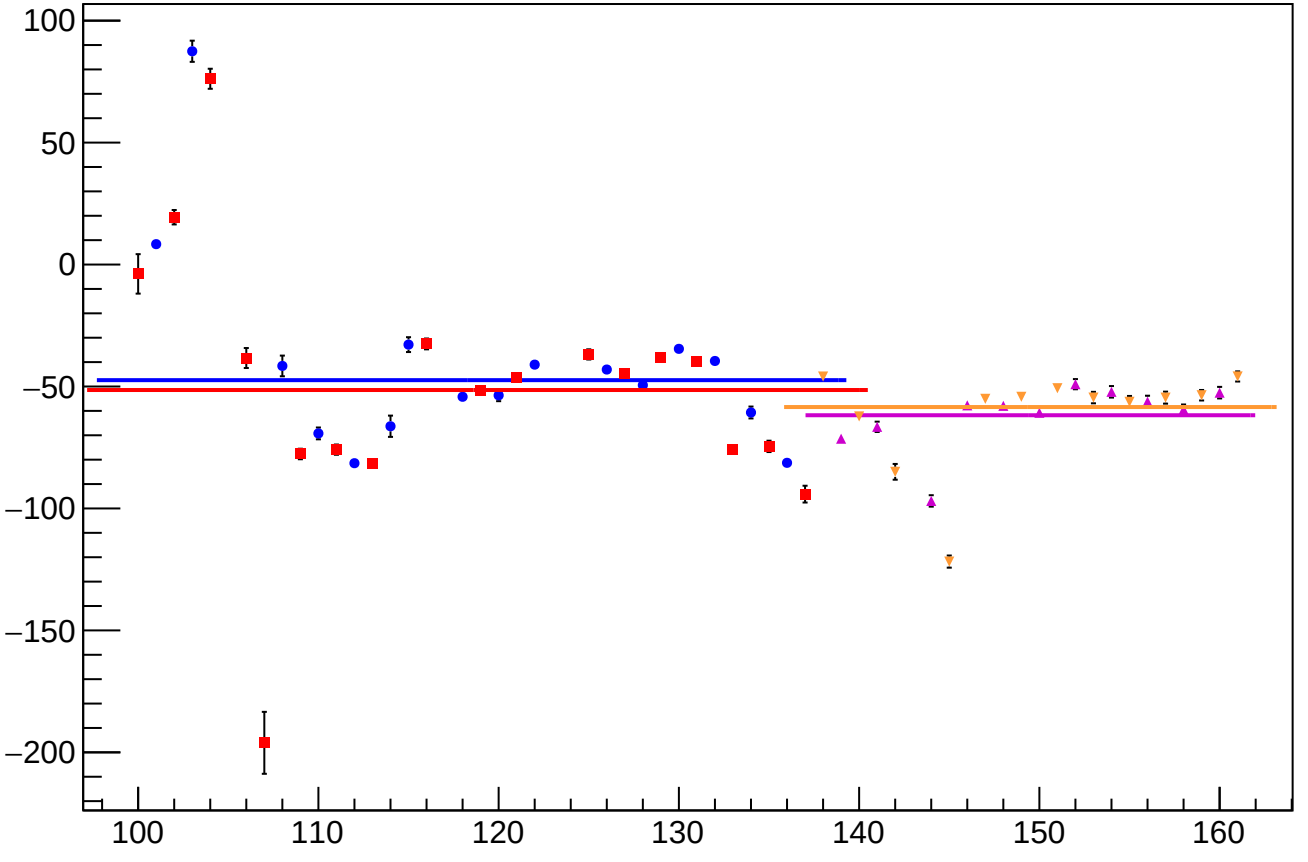
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.285+/-0.015 χ^2/NDF:417173.7/26

Out: 5.251+/-0.015 χ^2/NDF:658996.3/31

All: 5.762+/-0.011 χ^2/NDF: 1078447.6/58

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: -58.423+/-0.614 χ^2/NDF:838.9/11

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -61.783+/-0.623 χ^2/NDF:343.3/10

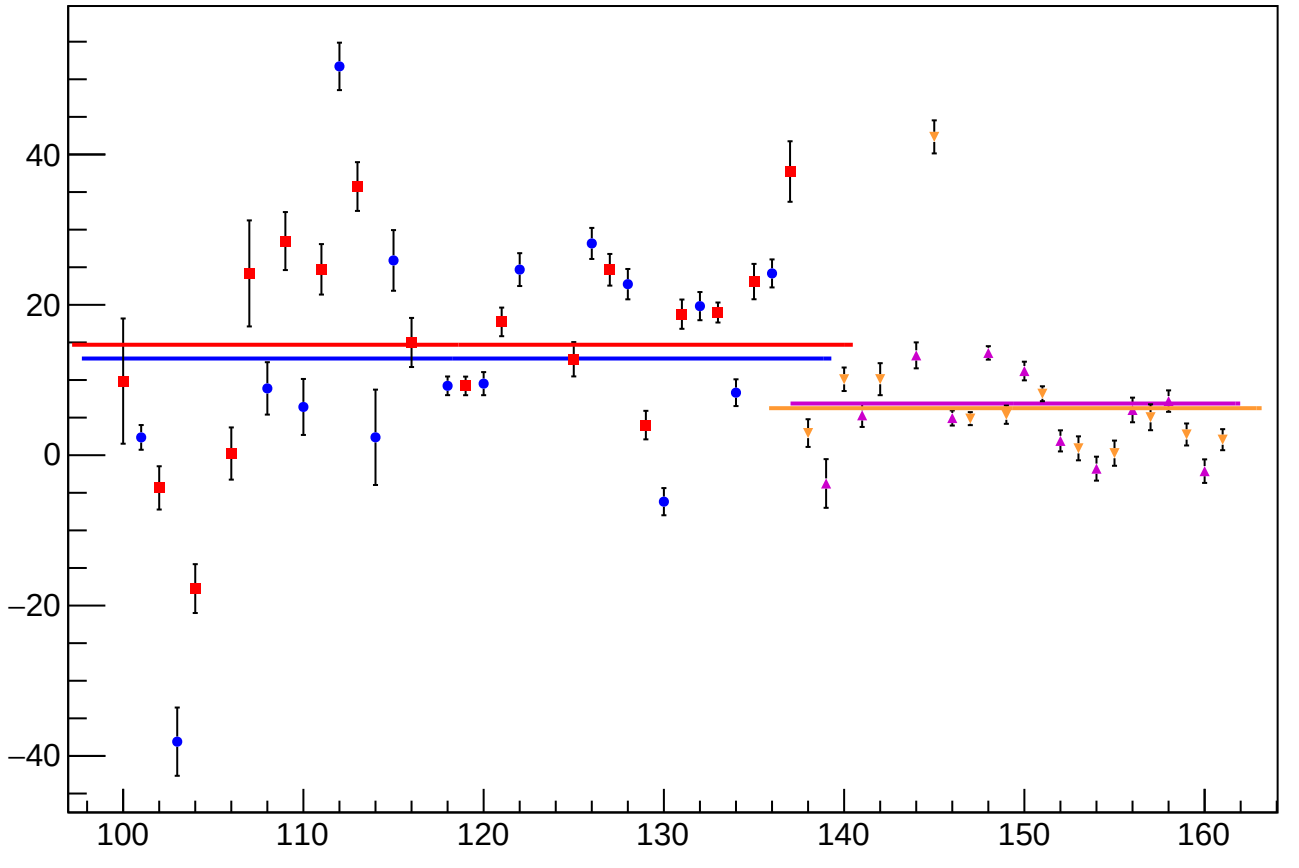
Left: -60.079+/-0.437 χ^2/NDF: 1197.0/22

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.509+/-0.406 χ^2/NDF:3419.3/26

Out: -54.522+/-0.408 χ^2/NDF:3784.0/29

All: -54.013+/-0.288 χ^2/NDF: 7206.4/56



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.254+/-0.401 χ^2/NDF:327.7/11

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.874+/-0.412 χ^2/NDF:173.1/10

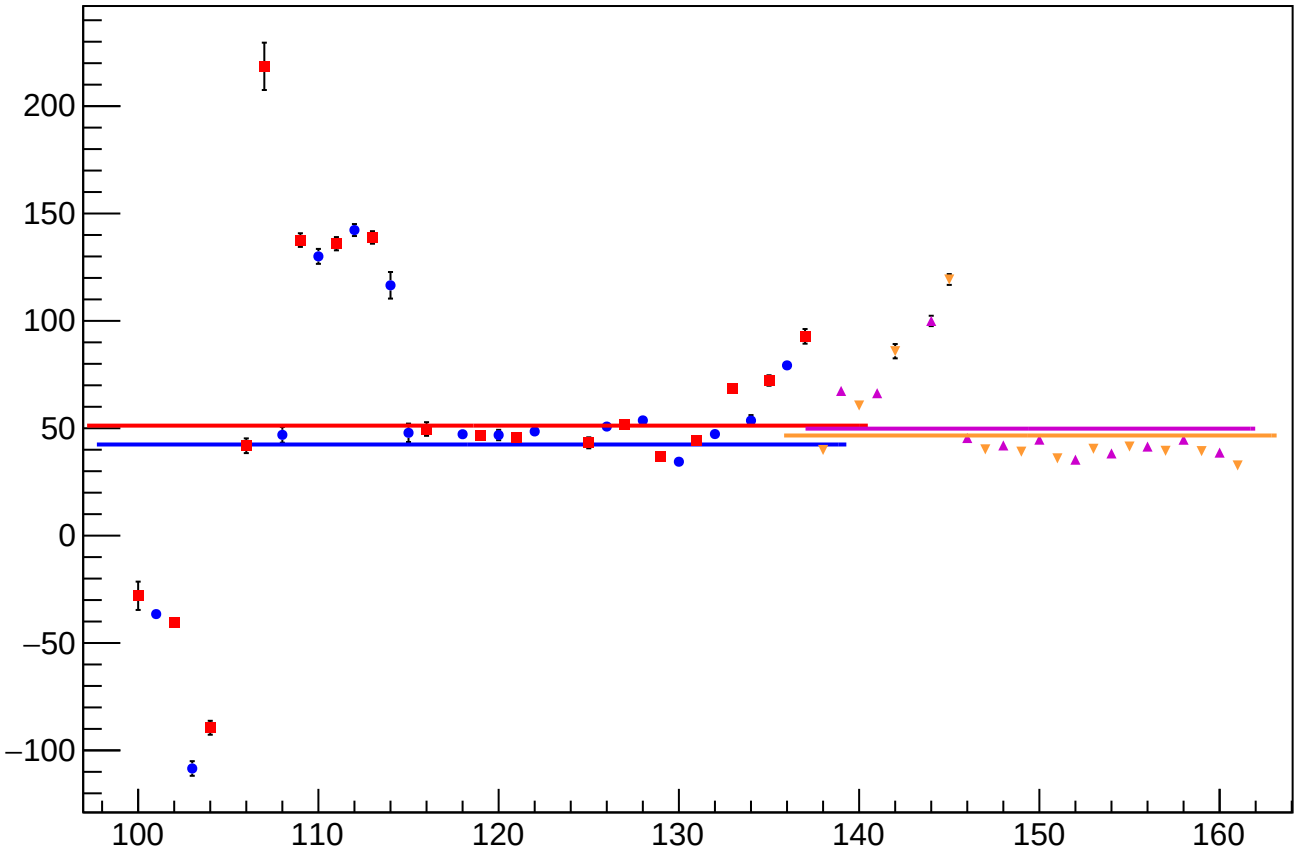
Left: 6.556+/-0.287 χ^2/NDF: 502.0/22

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.186+/-0.322 χ^2/NDF:880.3/26

Out: 9.220+/-0.323 χ^2/NDF:847.6/29

All: 9.203+/-0.228 χ^2/NDF: 1728.0/56



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 46.630+/-0.591 χ^2/NDF:1188.4/11

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 49.817+/-0.598 χ^2/NDF:739.1/10

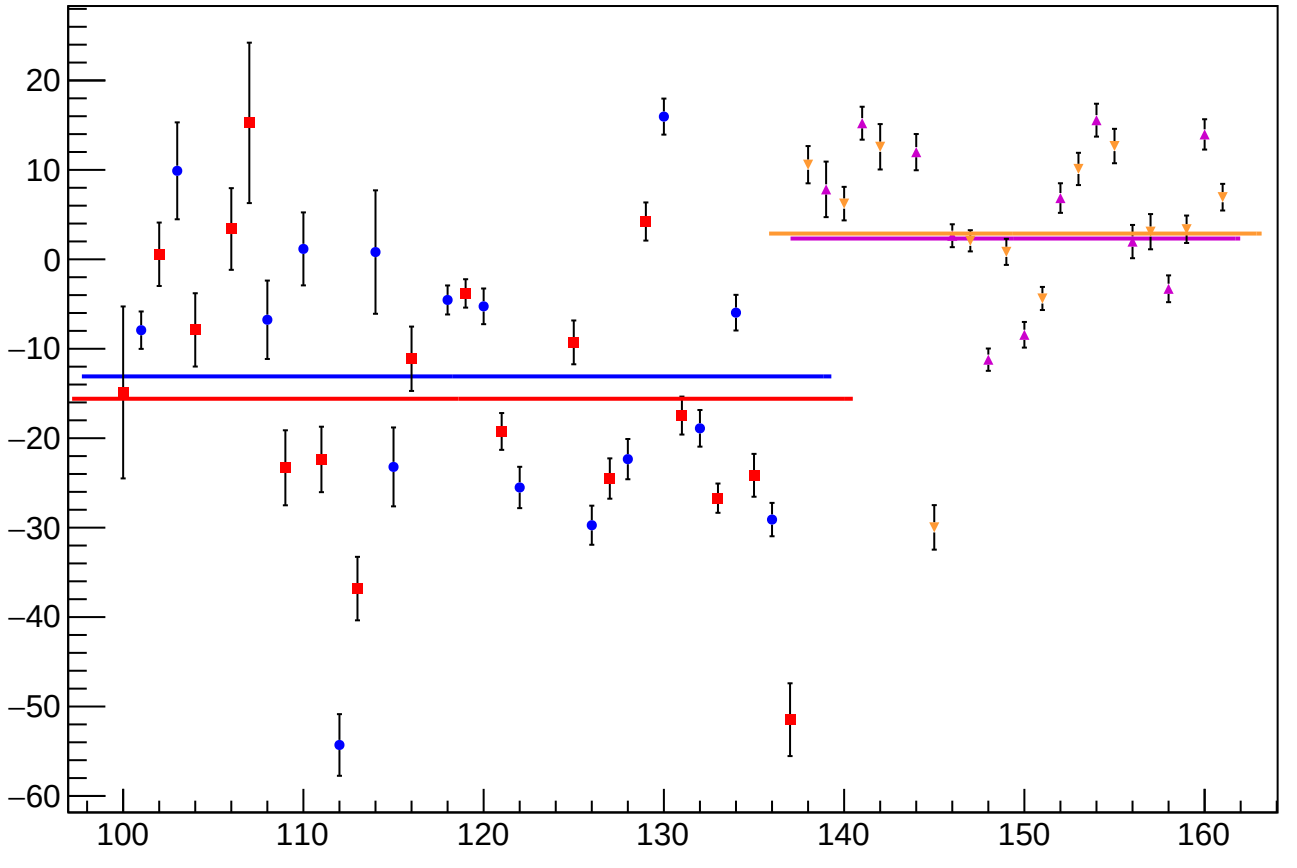
Left: 48.204+/-0.421 χ^2/NDF: 1941.9/22

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.039+/-0.418 χ^2/NDF:7985.8/26

Out: 48.838+/-0.426 χ^2/NDF:7828.7/29

All: 47.412+/-0.298 χ^2/NDF: 15836.6/56



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.880+/-0.481 χ^2/NDF:289.1/11

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.324+/-0.492 χ^2/NDF:369.8/10

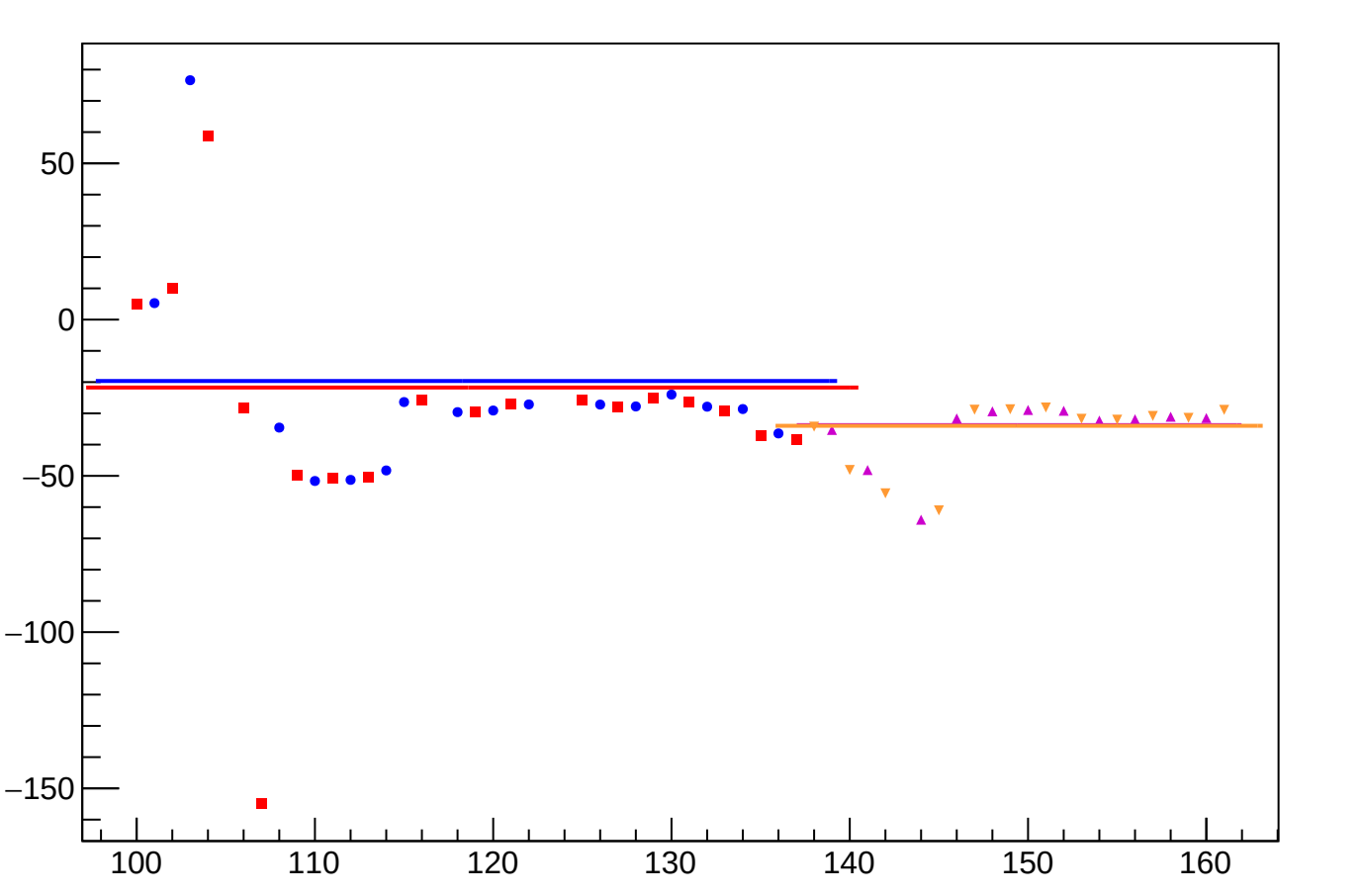
Left: 2.609+/-0.344 χ^2/NDF: 659.5/22

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -3.883+/-0.381 χ^2/NDF:1404.2/26

Out: -3.961+/-0.382 χ^2/NDF:1237.5/29

All: -3.922+/-0.269 χ^2/NDF: 2641.8/56



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -33.981+/-0.022 χ^2/NDF:152816.1/11

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -33.763+/-0.022 χ^2/NDF:121949.2/10

Left: -33.872+/-0.016 χ^2/NDF: 274812.4/22

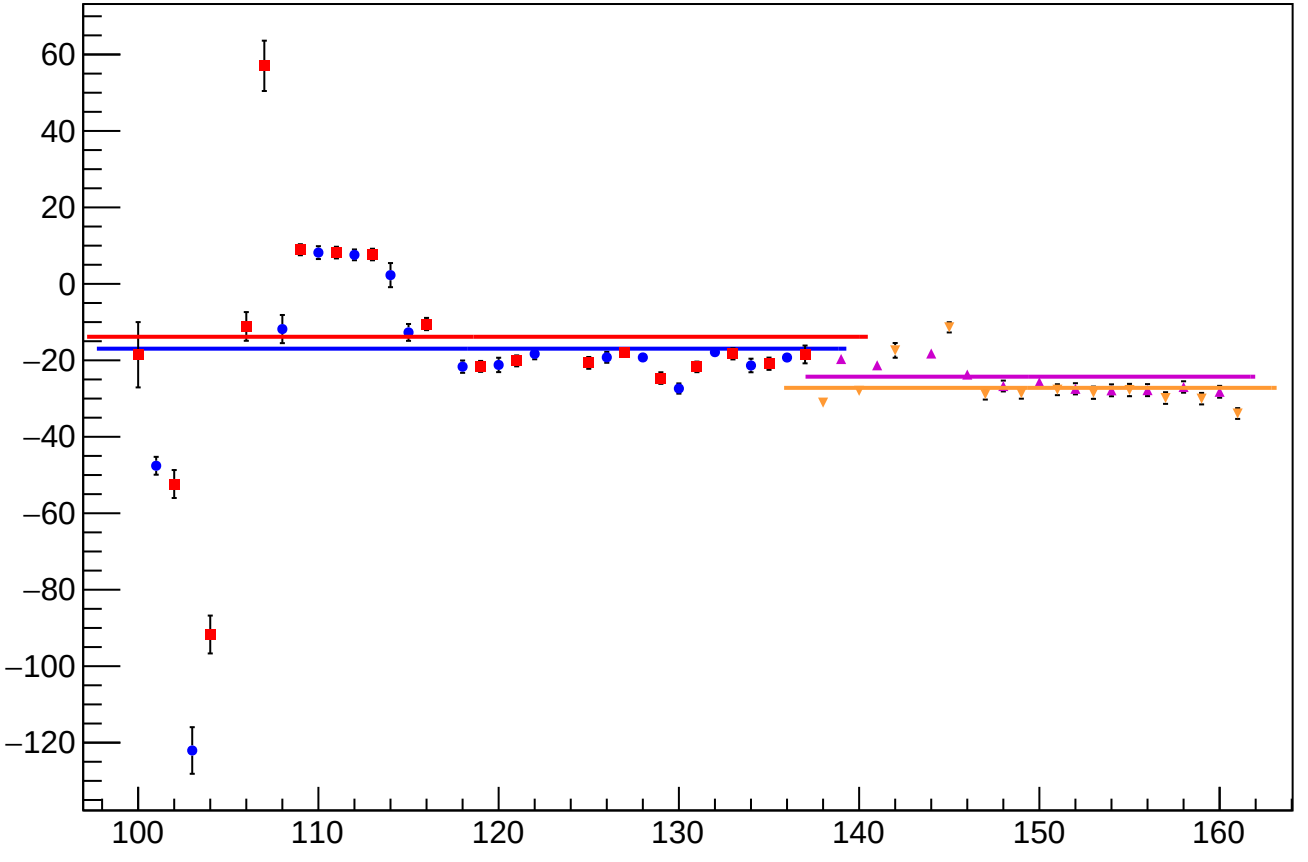
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.820+/-0.019 χ^2/NDF:879052.3/26

Out: -30.911+/-0.019 χ^2/NDF:773850.5/29

All: -30.354+/-0.014 χ^2/NDF: 1654503.2/56

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.198+/-0.411 χ^2/NDF:209.5/11

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -24.276+/-0.418 χ^2/NDF:72.4/10

Left: -25.762+/-0.293 χ^2/NDF: 306.8/22

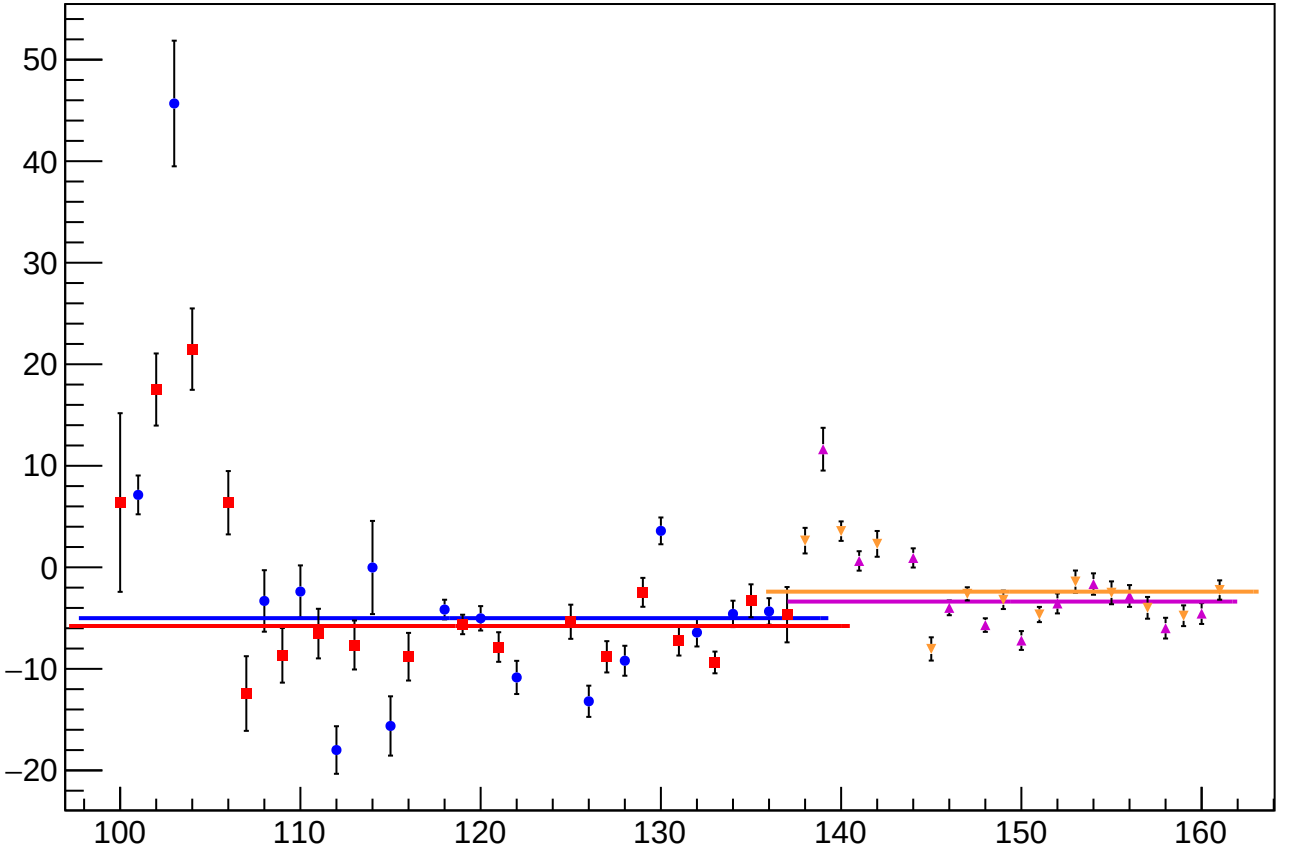
Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -20.485+/-0.291 χ^2/NDF:1359.4/26

Out: -20.485+/-0.290 χ^2/NDF:2073.2/29

All: -20.485+/-0.205 χ^2/NDF: 3432.6/56

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.395+/-0.277 χ^2/NDF:110.8/11

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.374+/-0.284 χ^2/NDF:129.6/10

Left: -2.873+/-0.198 χ^2/NDF: 246.5/22

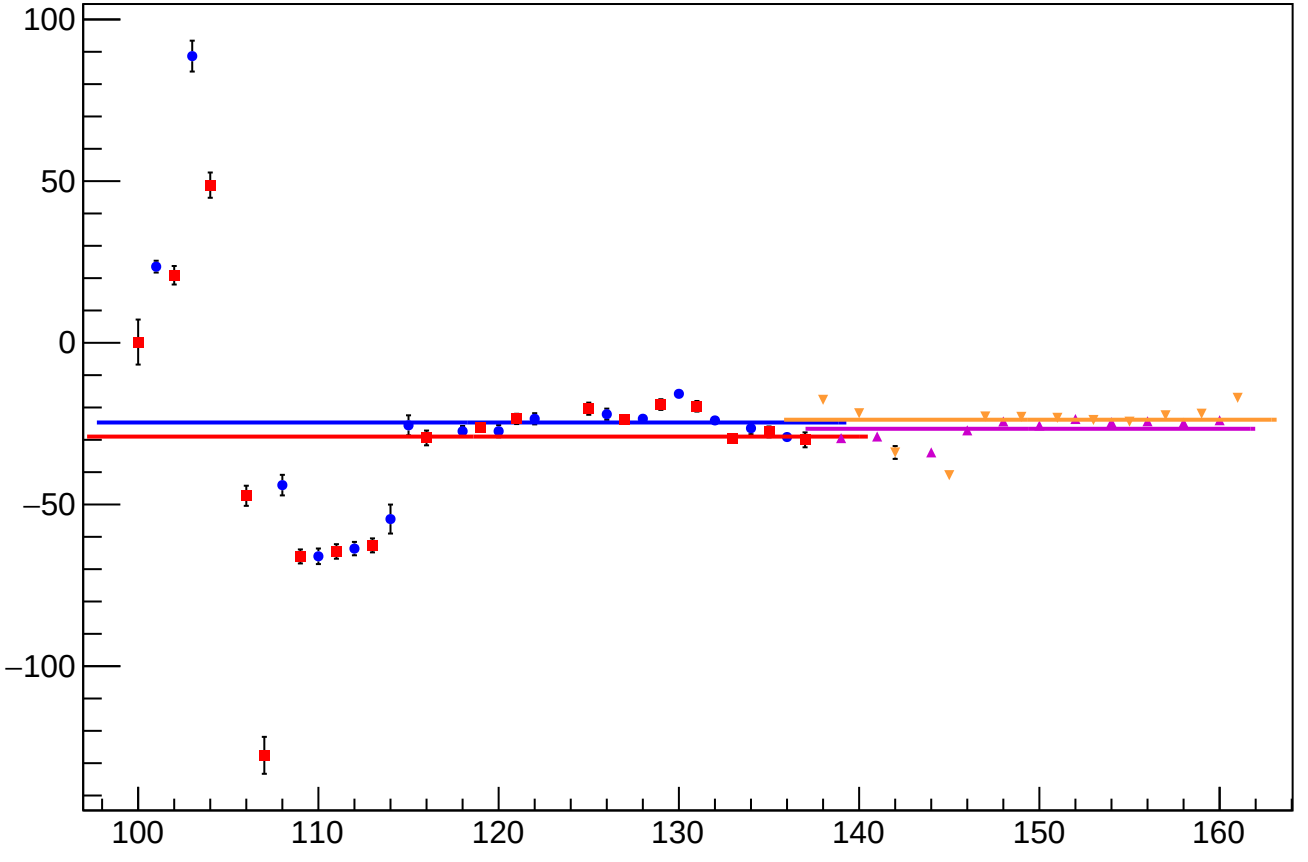
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.918+/-0.232 χ^2/NDF:388.4/26

Out: -3.424+/-0.231 χ^2/NDF:295.5/29

All: -3.670+/-0.164 χ^2/NDF: 686.1/56

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: -23.782+/-0.398 χ^2/NDF:241.0/11

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -26.588+/-0.404 χ^2/NDF:57.7/10

Left: -25.165+/-0.284 χ^2/NDF: 323.2/22

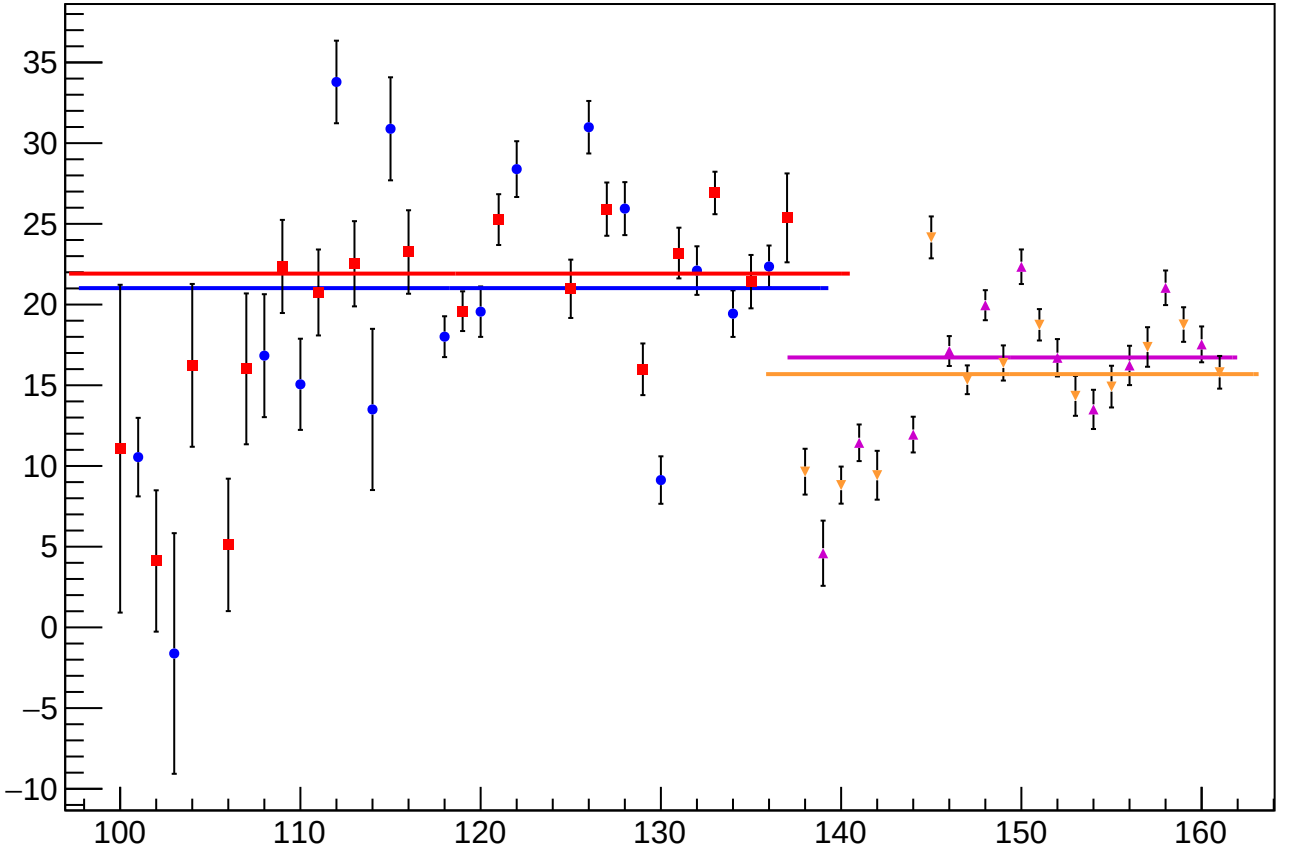
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.729+/-0.302 χ^2/NDF:2119.8/26

Out: -25.937+/-0.305 χ^2/NDF:2264.1/29

All: -25.832+/-0.215 χ^2/NDF: 4384.1/56

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.691+/-0.330 χ^2/NDF:135.8/11

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.723+/-0.337 χ^2/NDF:140.2/10

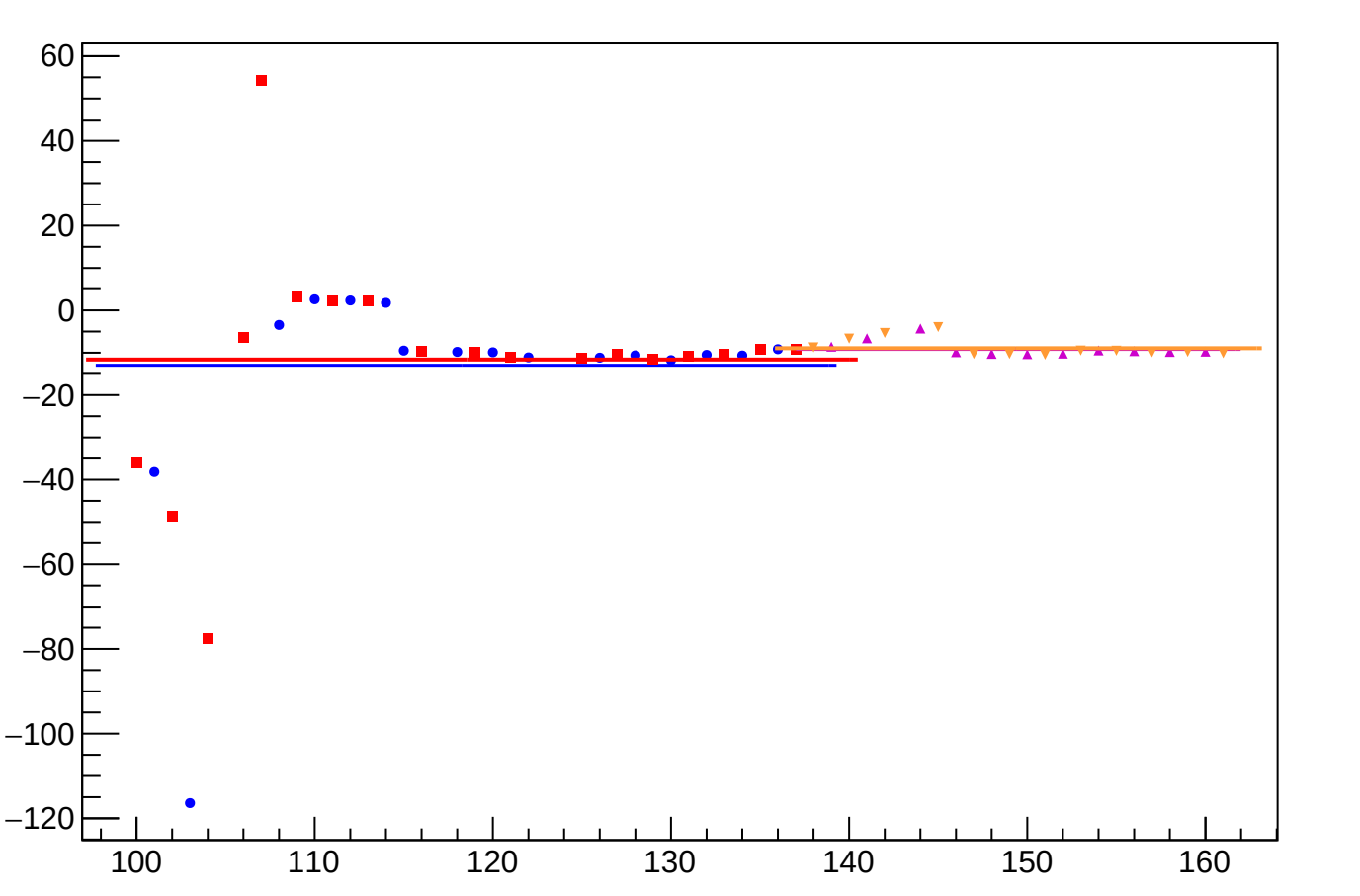
Left: 16.195+/-0.236 χ^2/NDF: 280.8/22

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.231+/-0.271 χ^2/NDF:406.8/26

Out: 17.694+/-0.271 χ^2/NDF:333.2/29

All: 17.963+/-0.192 χ^2/NDF: 742.0/56



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.937+/-0.015 χ^2/NDF:16139.6/11

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.099+/-0.015 χ^2/NDF:11246.1/10

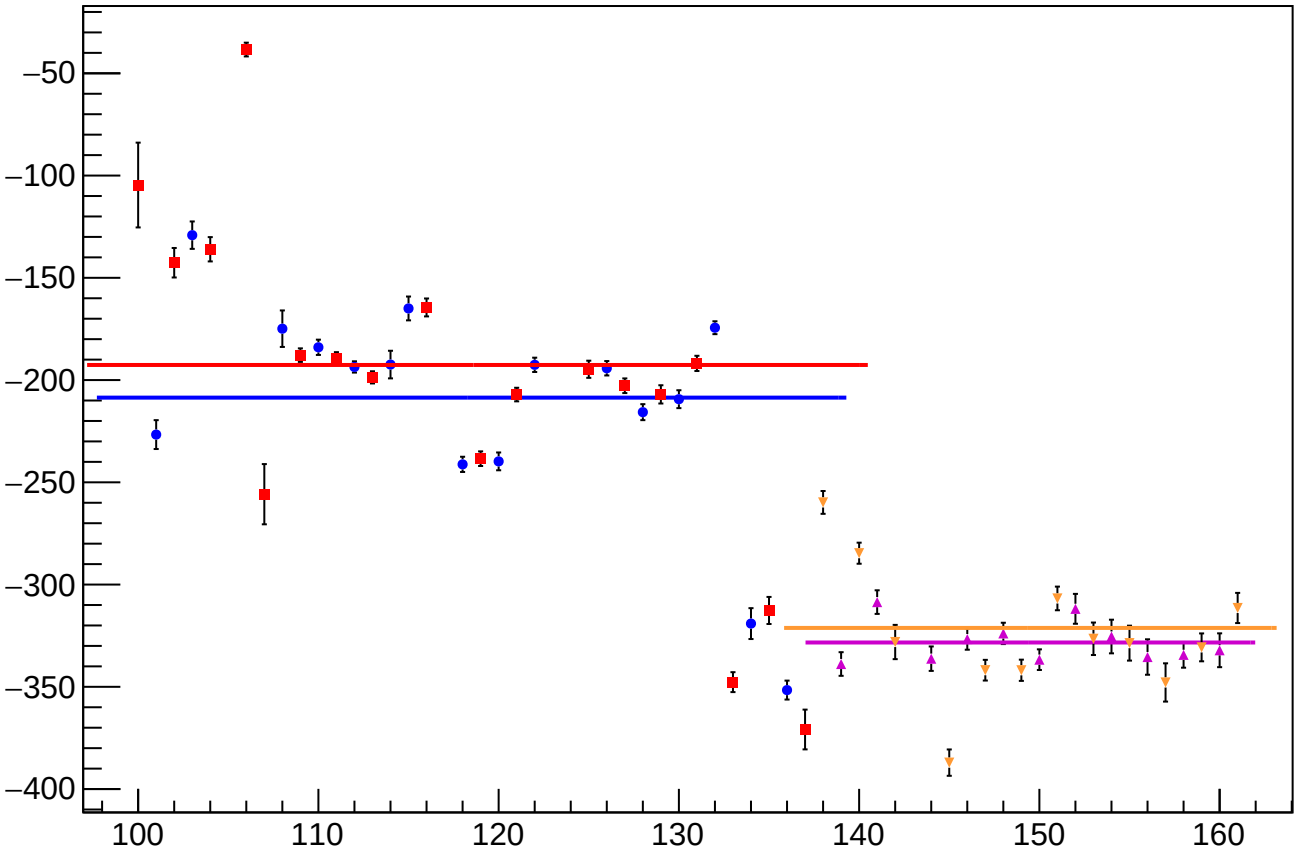
Left: -9.018+/-0.011 χ^2/NDF: 27443.4/22

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -9.986+/-0.013 χ^2/NDF:371500.6/26

Out: -9.453+/-0.014 χ^2/NDF:336366.8/29

All: -9.723+/-0.010 χ^2/NDF: 708649.4/56



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.201+/-1.841 χ^2/NDF:328.3/11

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -328.327+/-1.865 χ^2/NDF:27.4/10

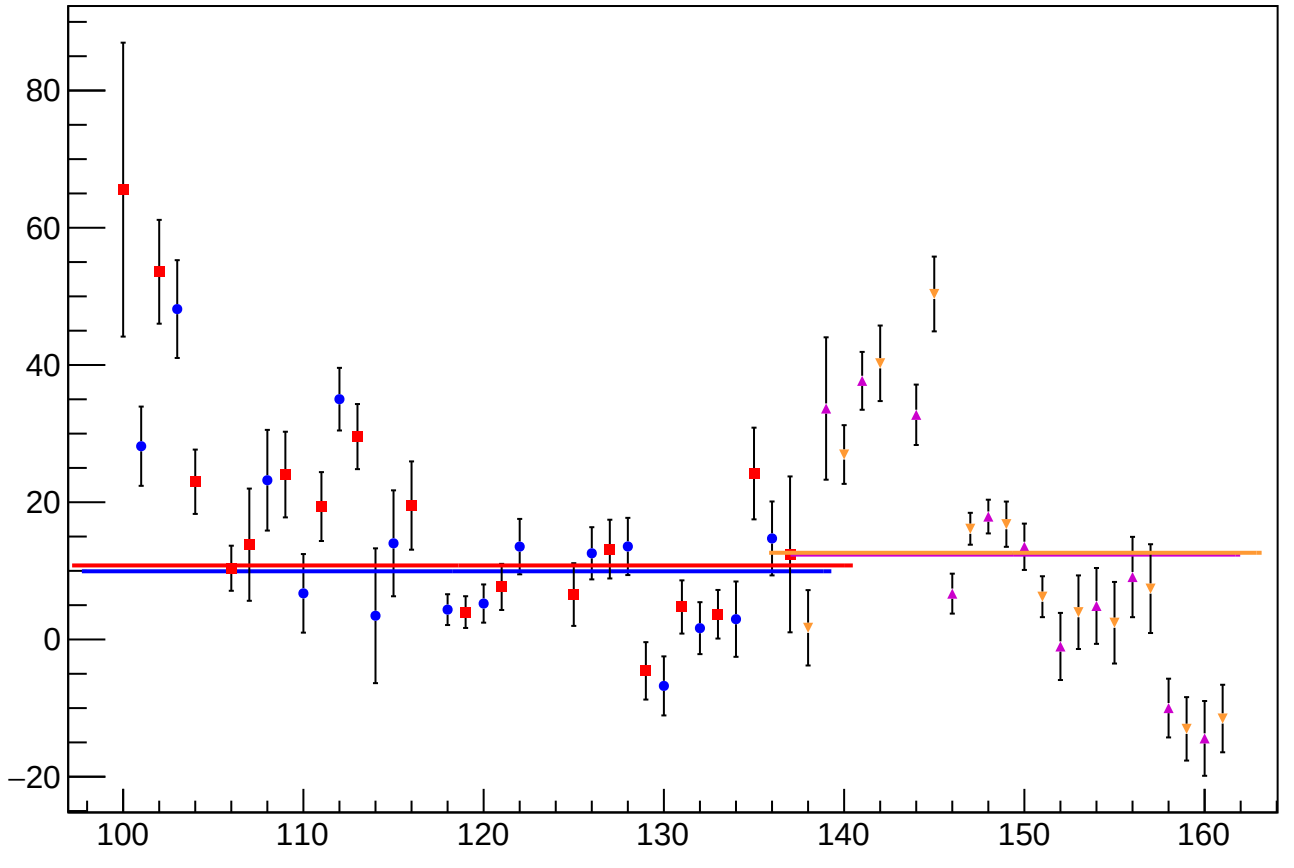
Left: -324.718+/-1.310 χ^2/NDF: 363.1/22

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -238.106+/-0.926 χ^2/NDF:4886.1/26

Out: -221.864+/-0.878 χ^2/NDF:8304.8/29

All: -229.555+/-0.637 χ^2/NDF: 13353.0/56



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 12.634+/-1.179 χ^2/NDF:157.8/11

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 12.365+/-1.212 χ^2/NDF:131.8/10

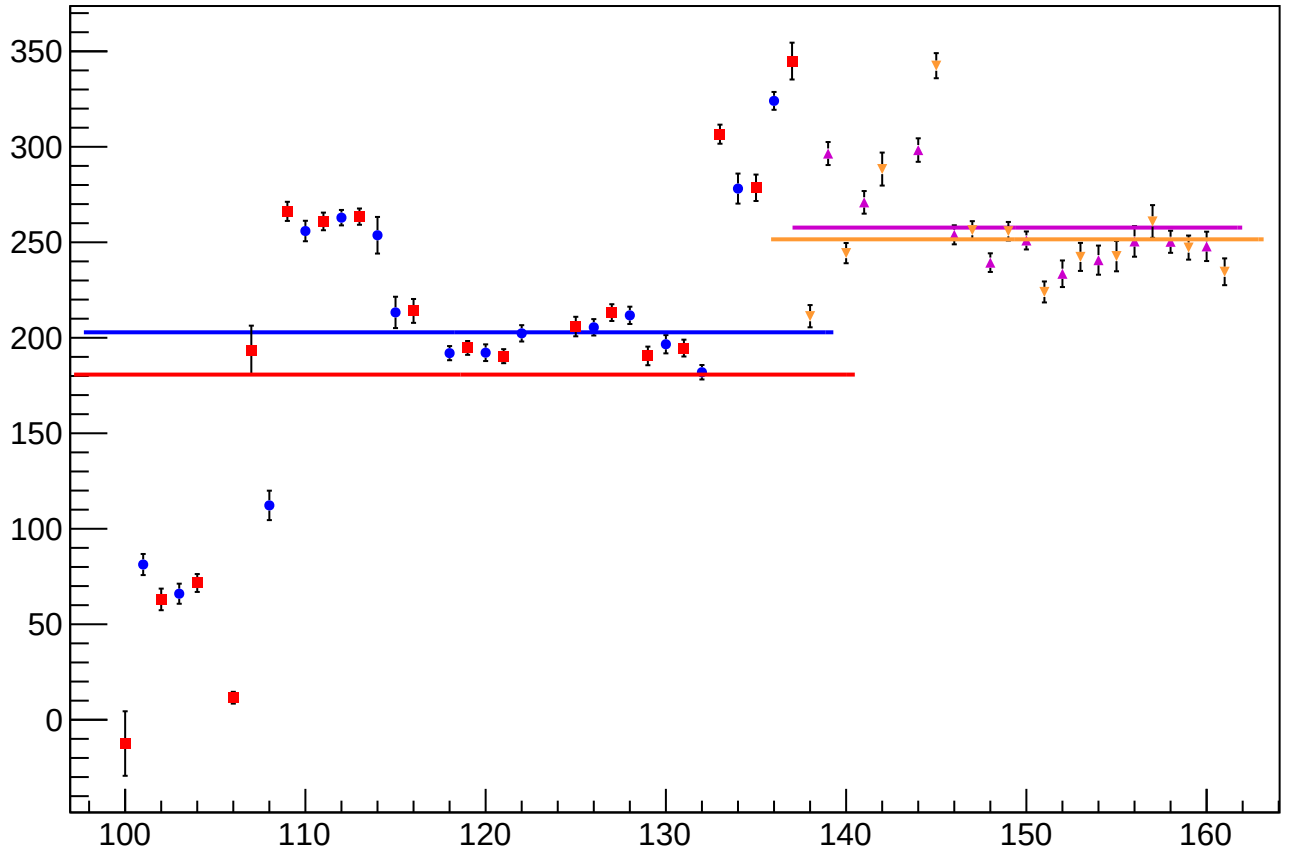
Left: 12.504+/-0.845 χ^2/NDF: 289.7/22

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 10.996+/-0.800 χ^2/NDF:240.6/26

Out: 11.599+/-0.781 χ^2/NDF:264.3/29

All: 11.305+/-0.559 χ^2/NDF: 505.2/56



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 251.556+/-1.780 χ^2/NDF:296.3/11

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 257.699+/-1.796 χ^2/NDF:127.8/10

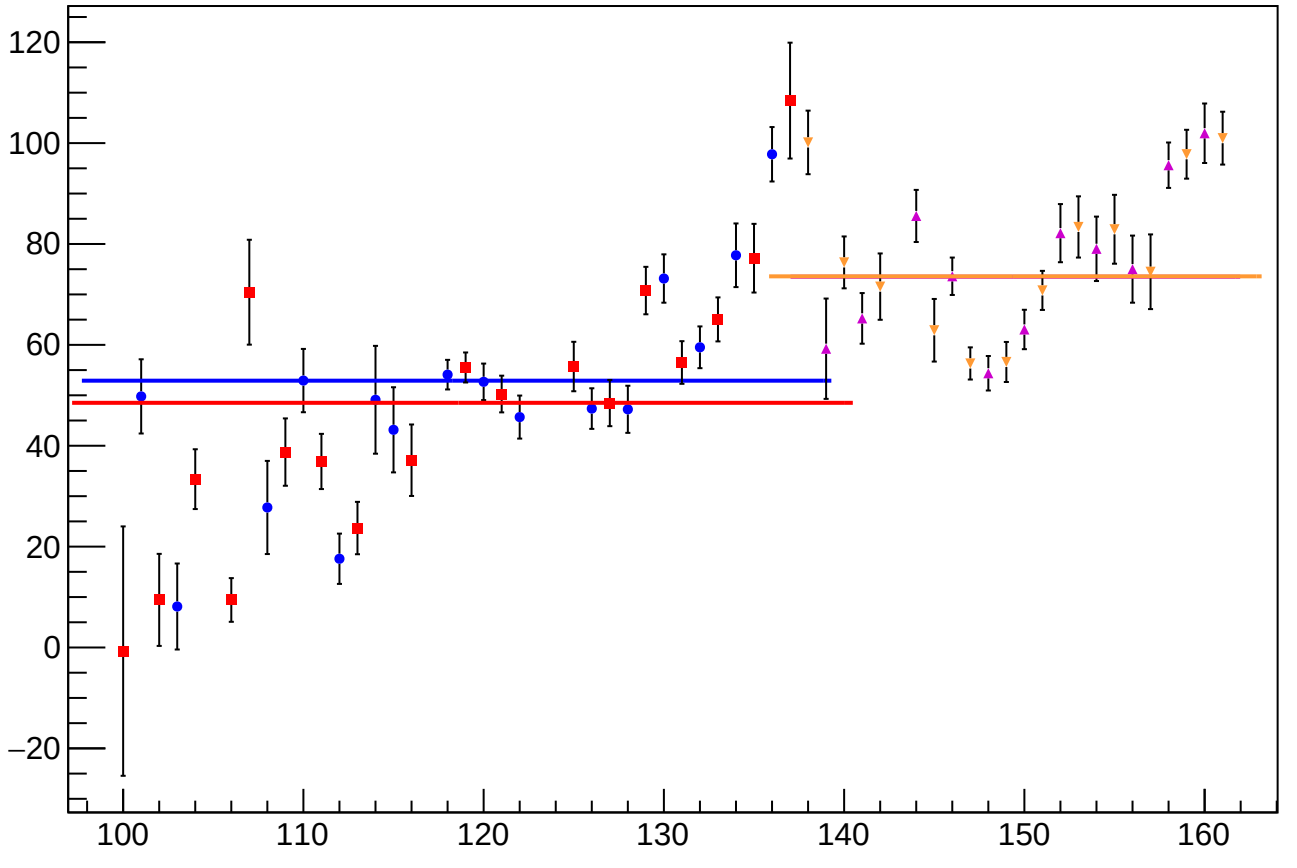
Left: 254.599+/-1.264 χ^2/NDF: 430.0/22

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 220.288+/-1.012 χ^2/NDF:3227.6/26

Out: 201.425+/-0.962 χ^2/NDF:7764.8/29

All: 210.377+/-0.697 χ^2/NDF: 11174.9/56



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 73.585+/-1.434 χ^2/NDF:126.0/11

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 73.513+/-1.464 χ^2/NDF:99.1/10

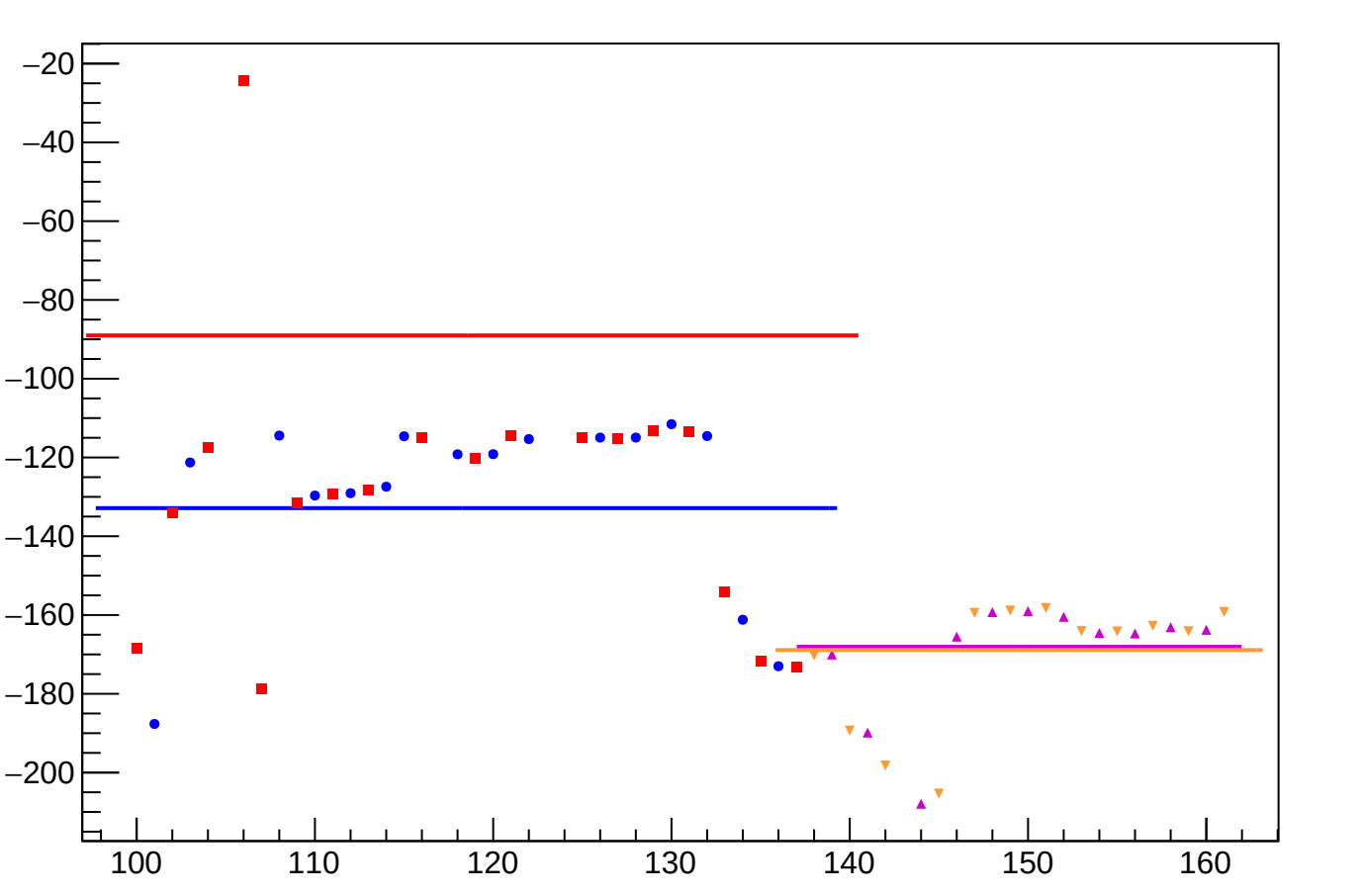
Left: 73.550+/-1.024 χ^2/NDF: 225.2/22

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 61.520+/-0.947 χ^2/NDF:412.7/26

Out: 58.983+/-0.927 χ^2/NDF:544.1/29

All: 60.224+/-0.662 χ^2/NDF: 960.5/56



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -168.897+/-0.070 χ^2/NDF:43973.6/11

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -168.060+/-0.069 χ^2/NDF:35507.7/10

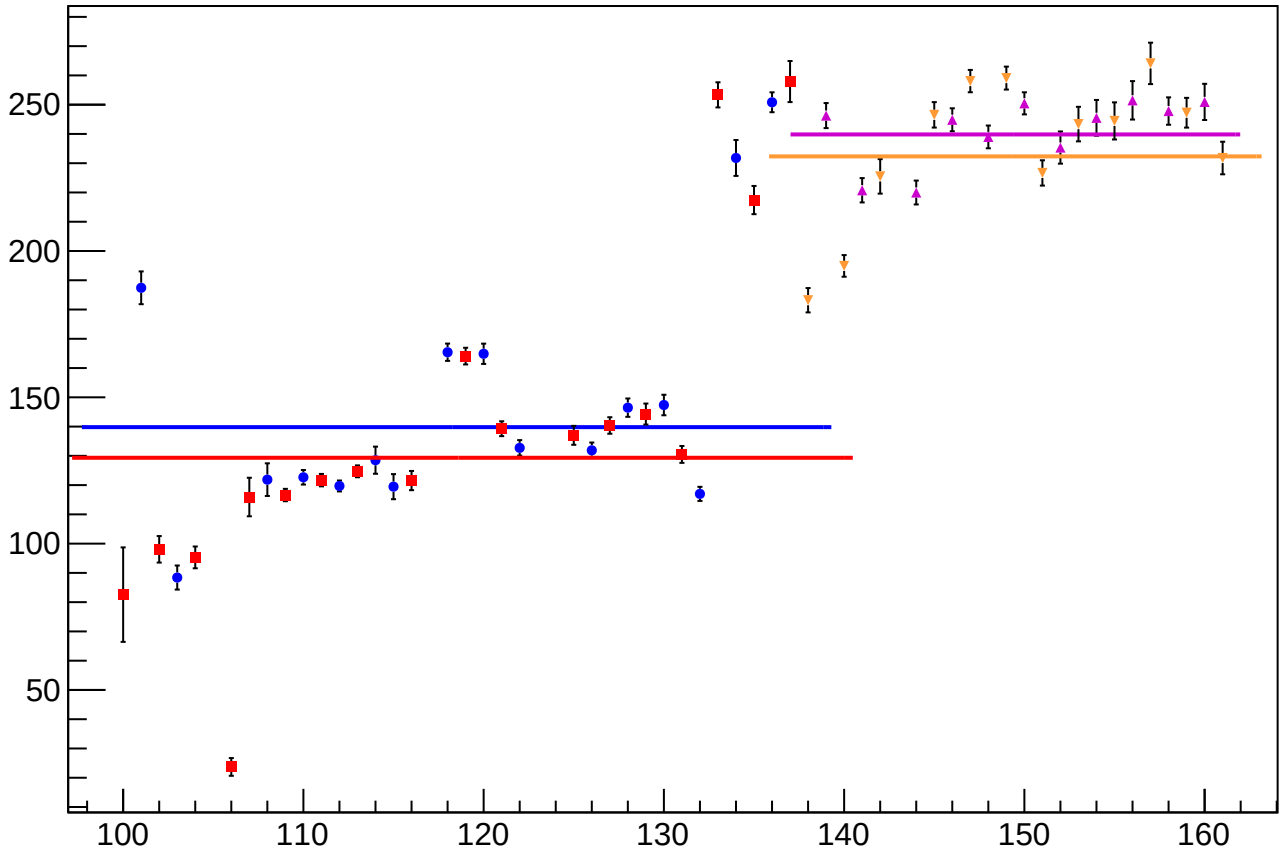
Left: -168.475+/-0.049 χ^2/NDF: 79554.4/22

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.362+/-0.053 χ^2/NDF:238085.2/26

Out: -125.745+/-0.047 χ^2/NDF:1484523.8/29

All: -138.062+/-0.035 χ^2/NDF: 1875532.6/56



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.327+/-1.356 χ^2/NDF:383.5/11

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 239.830+/-1.376 χ^2/NDF:67.4/10

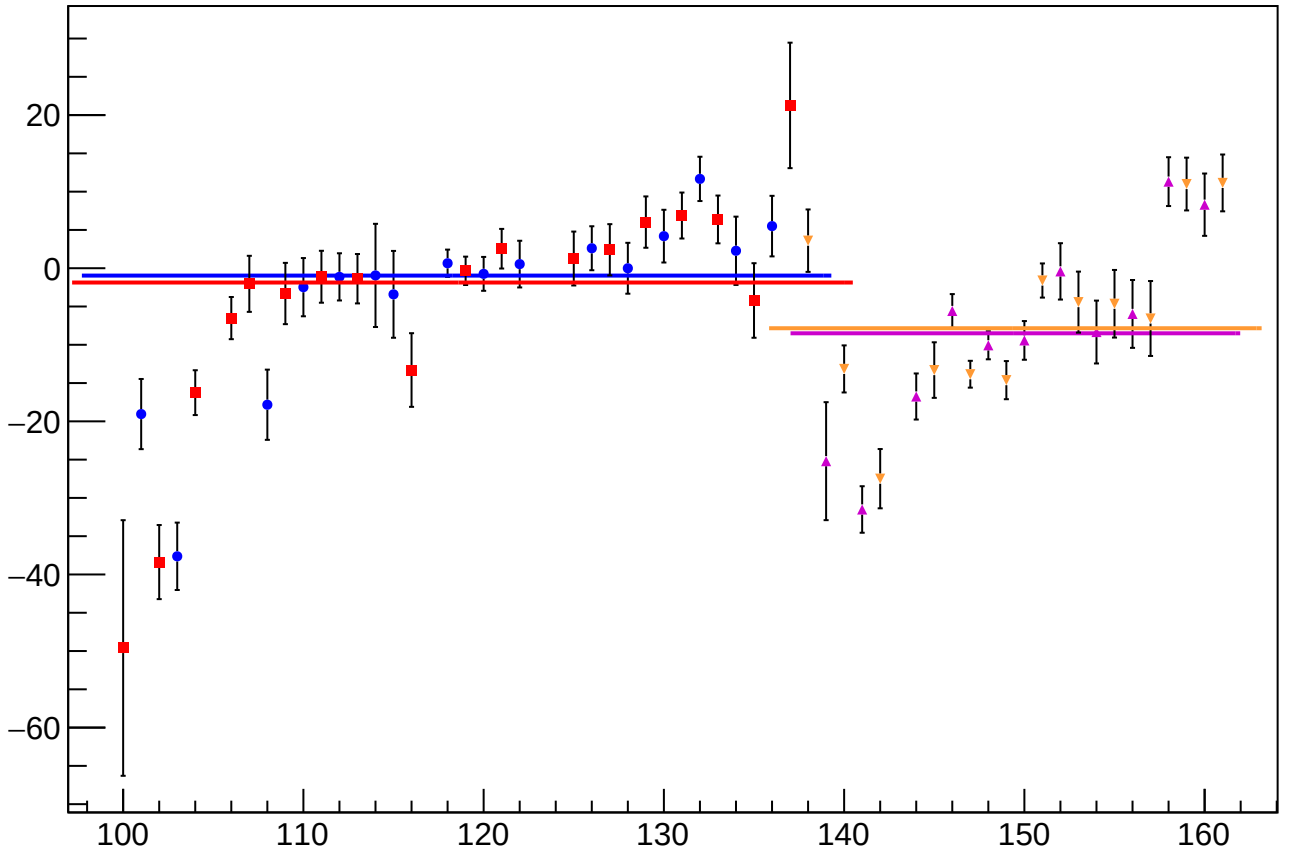
Left: 236.024+/-0.966 χ^2/NDF: 466.0/22

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 164.359+/-0.682 χ^2/NDF:6021.3/26

Out: 152.703+/-0.646 χ^2/NDF:7969.0/29

All: 158.216+/-0.469 χ^2/NDF: 14144.4/56



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.839+/-0.874 χ^2/NDF:123.2/11

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -8.500+/-0.898 χ^2/NDF:133.0/10

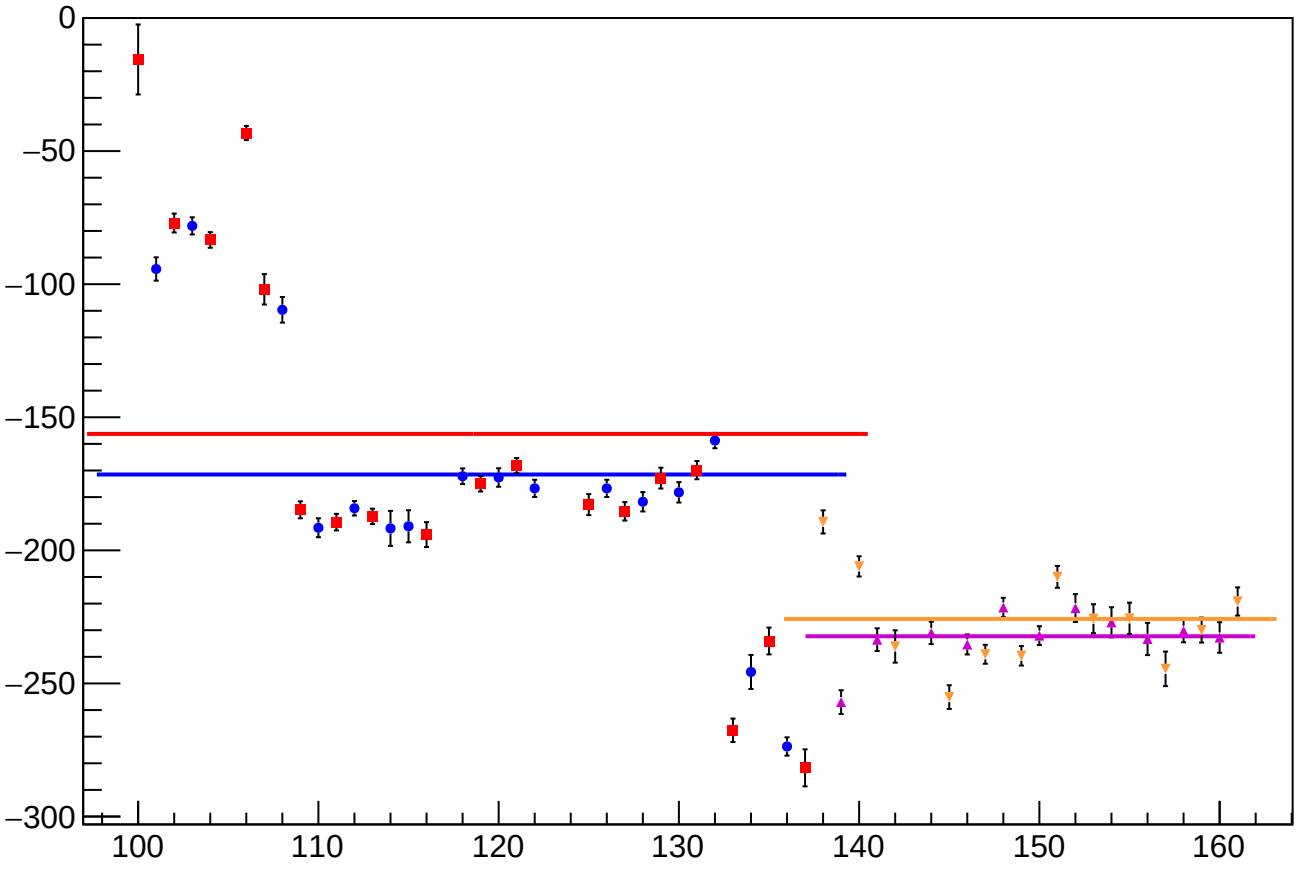
Left: -8.160+/-0.626 χ^2/NDF: 256.5/22

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.336+/-0.601 χ^2/NDF:298.0/26

Out: -4.529+/-0.583 χ^2/NDF:282.2/29

All: -4.435+/-0.419 χ^2/NDF: 580.3/56



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.757+/-1.314 χ^2/NDF:197.4/11

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -232.282+/-1.328 χ^2/NDF:45.6/10

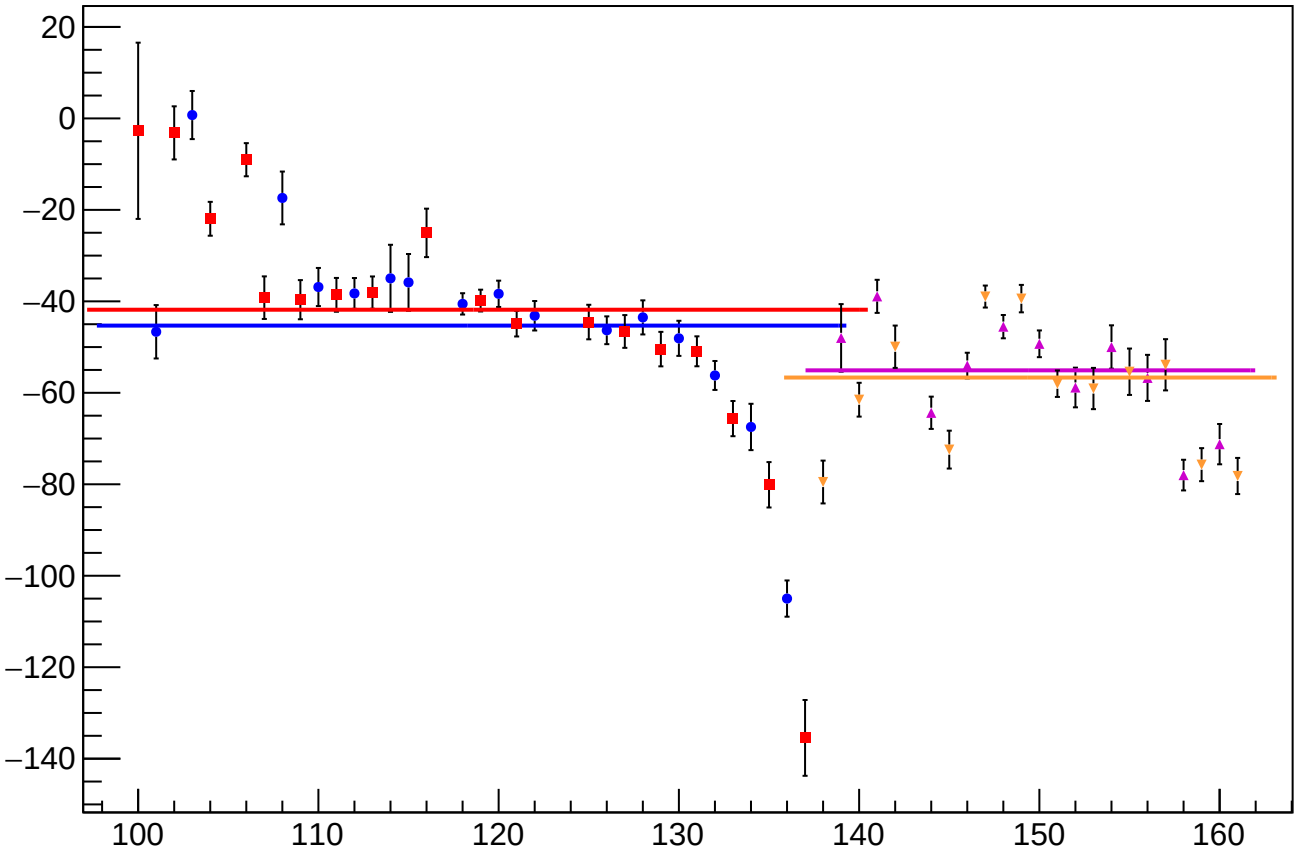
Left: -228.986+/-0.934 χ^2/NDF: 255.2/22

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.838+/-0.749 χ^2/NDF:3917.3/26

Out: -176.672+/-0.712 χ^2/NDF:7077.6/29

All: -183.400+/-0.516 χ^2/NDF: 11182.8/56



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -56.660+/-1.061 χ^2/NDF:187.8/11

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -55.087+/-1.084 χ^2/NDF:108.1/10

Left: -55.890+/-0.758 χ^2/NDF: 297.0/22

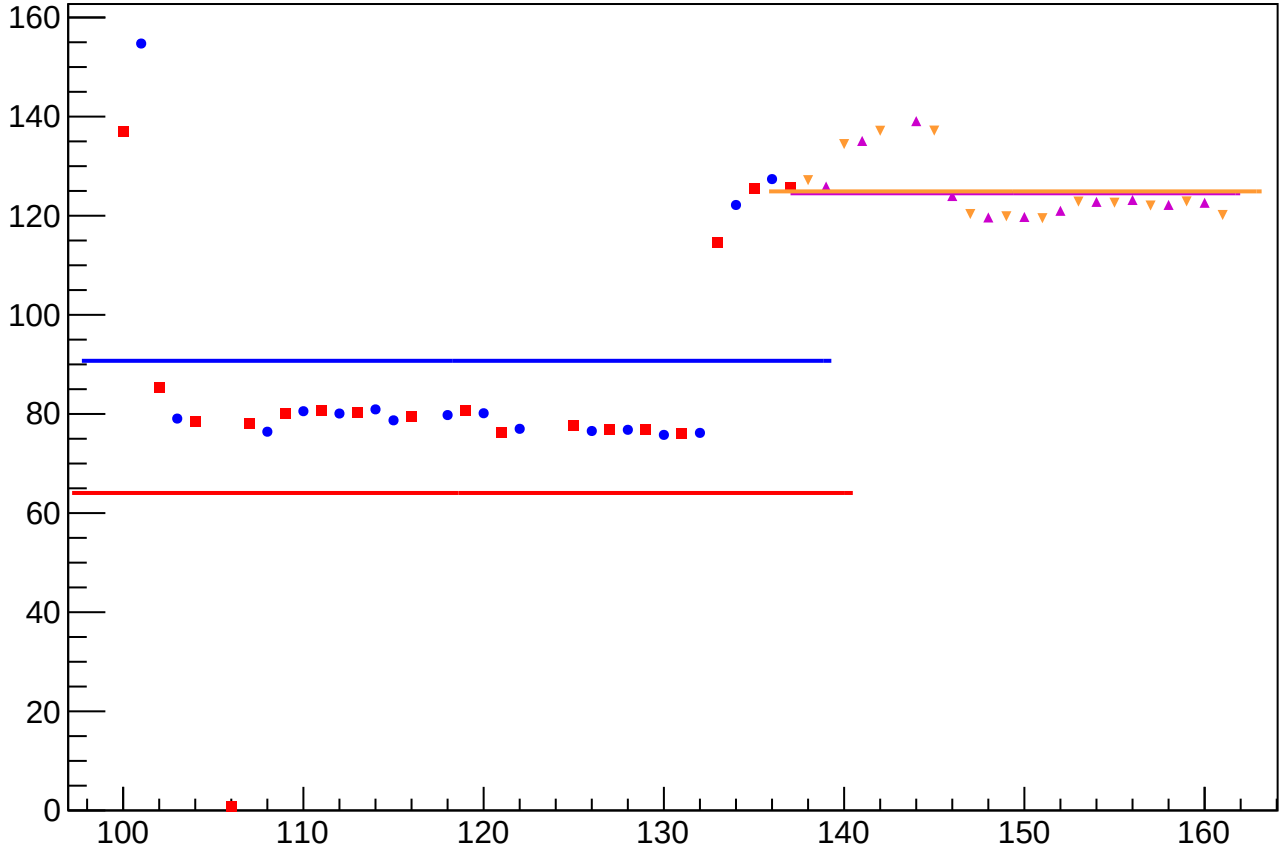
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -49.490+/-0.709 χ^2/NDF:536.7/26

Out: -48.109+/-0.691 χ^2/NDF:714.6/29

All: -48.781+/-0.495 χ^2/NDF: 1253.3/56

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: 124.911+/-0.051 χ^2/NDF:14800.3/11

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.527+/-0.051 χ^2/NDF:12750.4/10

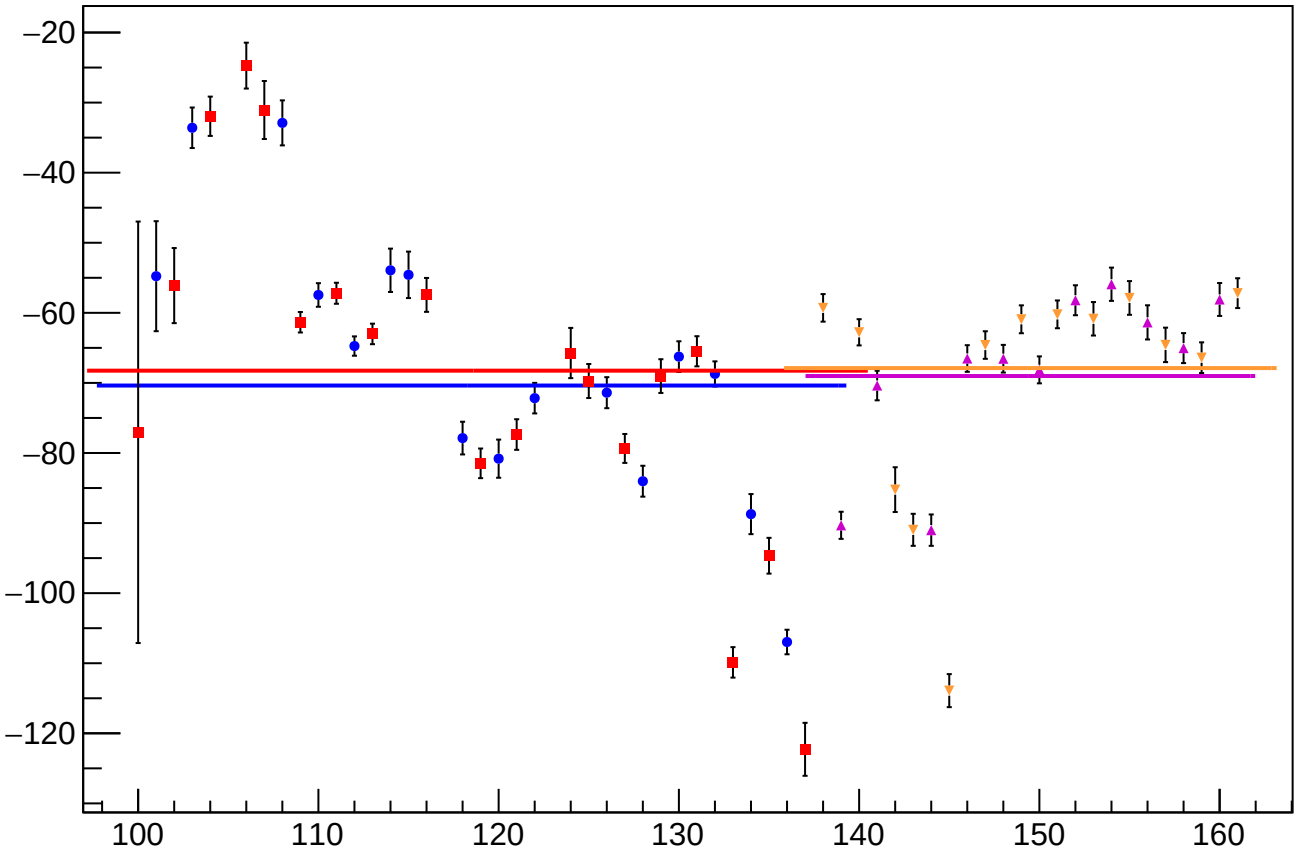
Left: 124.717+/-0.036 χ^2/NDF: 27578.7/22

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

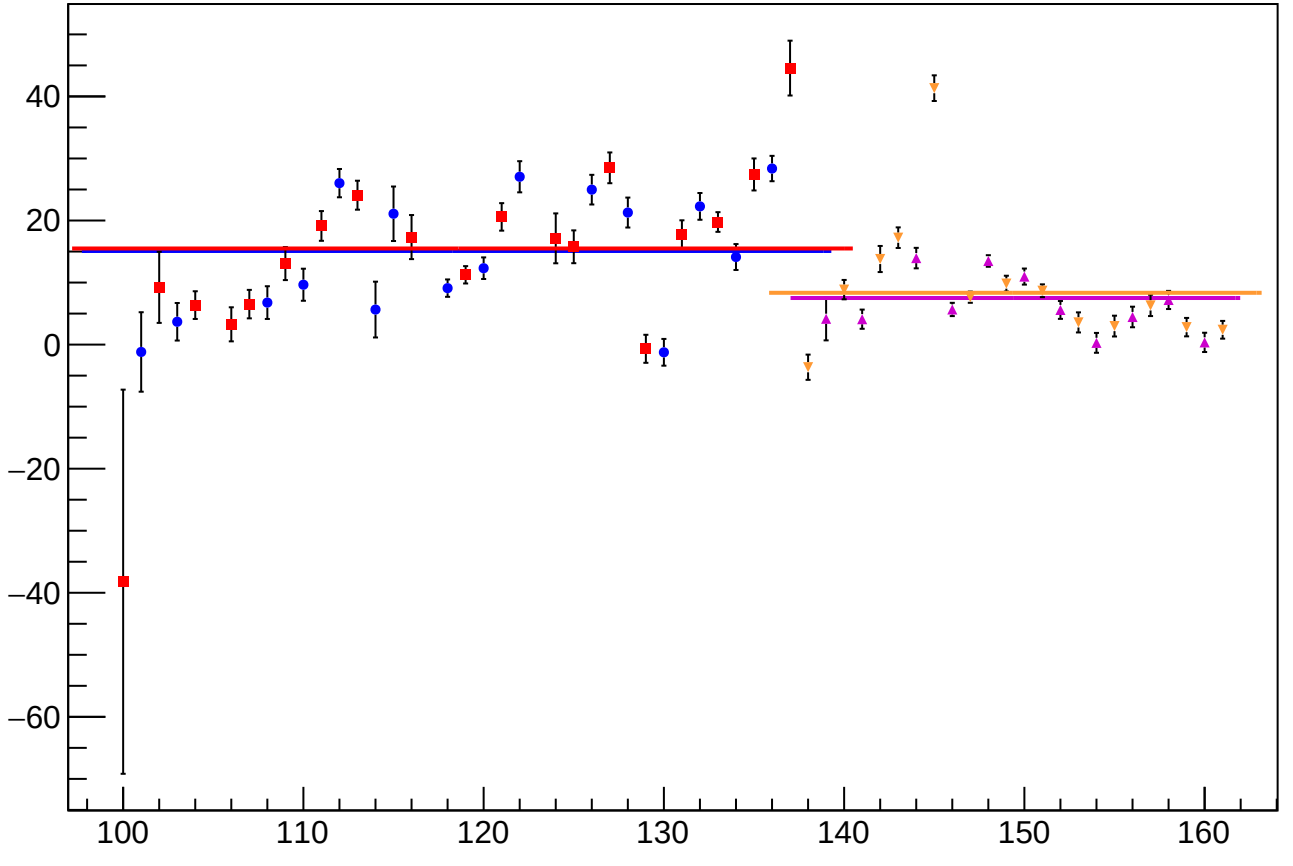
In: 109.915+/-0.038 χ^2/NDF:363538.7/26

Out: 93.200+/-0.036 χ^2/NDF:1405458.3/29

All: 100.911+/-0.026 χ^2/NDF: 1870776.4/56


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -70.374+/-0.558 χ²/NDF: 974.9/15
Left Out: -67.883+/-0.606 χ²/NDF:623.4/12
Right Out: -68.252+/-0.527 χ²/NDF: 1306.0/18
Left In: -69.017+/-0.638 χ²/NDF:312.6/10
Left: -68.421+/-0.439 χ²/NDF: 937.6/23
Right: -69.252+/-0.383 χ²/NDF: 2288.5/34
In: -69.786+/-0.420 χ²/NDF:1290.1/26
Out: -68.093+/-0.398 χ²/NDF:1929.5/31
All: -68.893+/-0.289 χ²/NDF: 3228.2/58

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 8.351+/-0.399 χ^2/NDF:378.1/12

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 7.509+/-0.422 χ^2/NDF:118.8/10

Left: 7.954+/-0.290 χ^2/NDF: 499.0/23

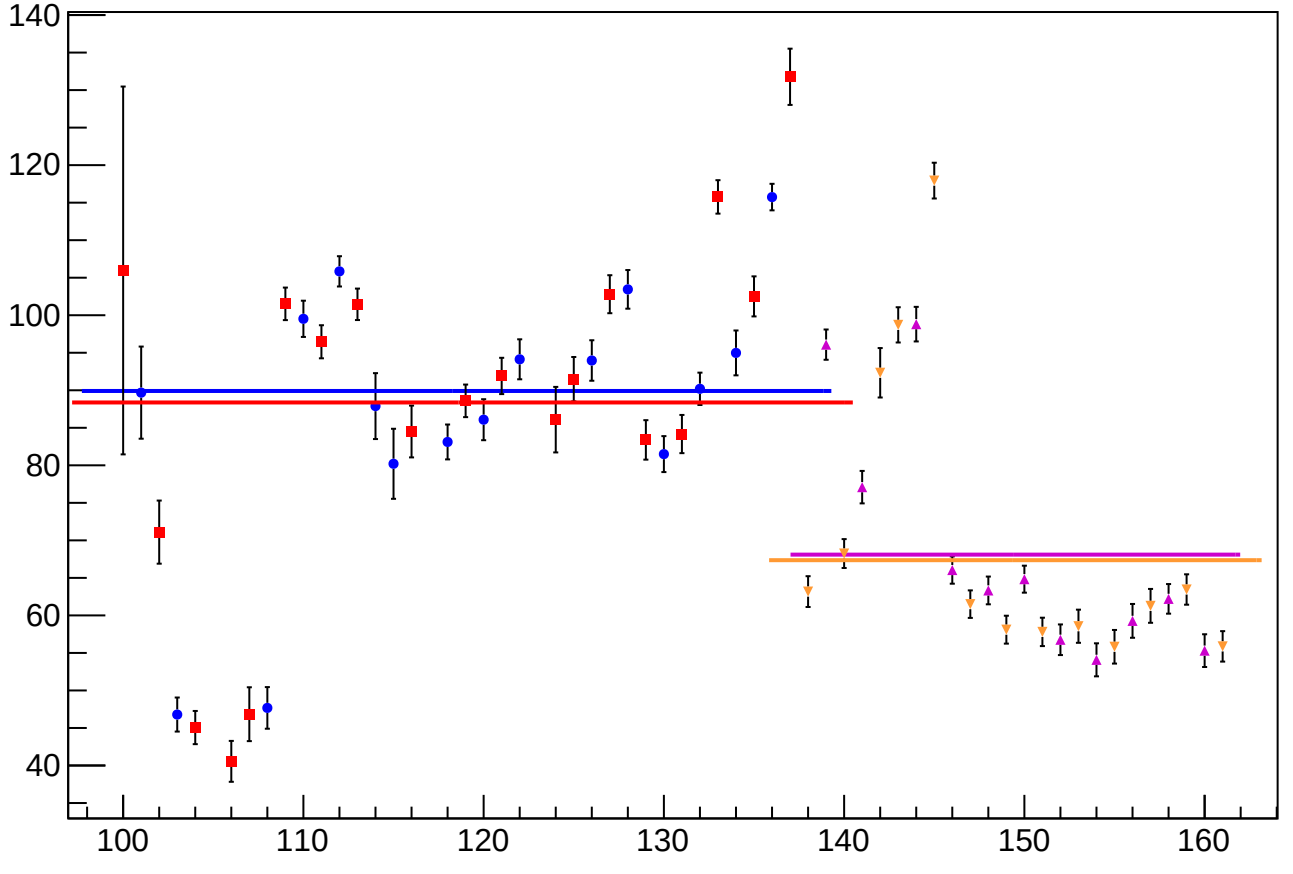
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 10.131+/-0.342 χ^2/NDF:472.7/26

Out: 10.768+/-0.325 χ^2/NDF:725.6/31

All: 10.466+/-0.235 χ^2/NDF: 1200.1/58

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: 67.359+/-0.586 χ^2/NDF:836.4/12

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 68.100+/-0.613 χ^2/NDF:528.7/10

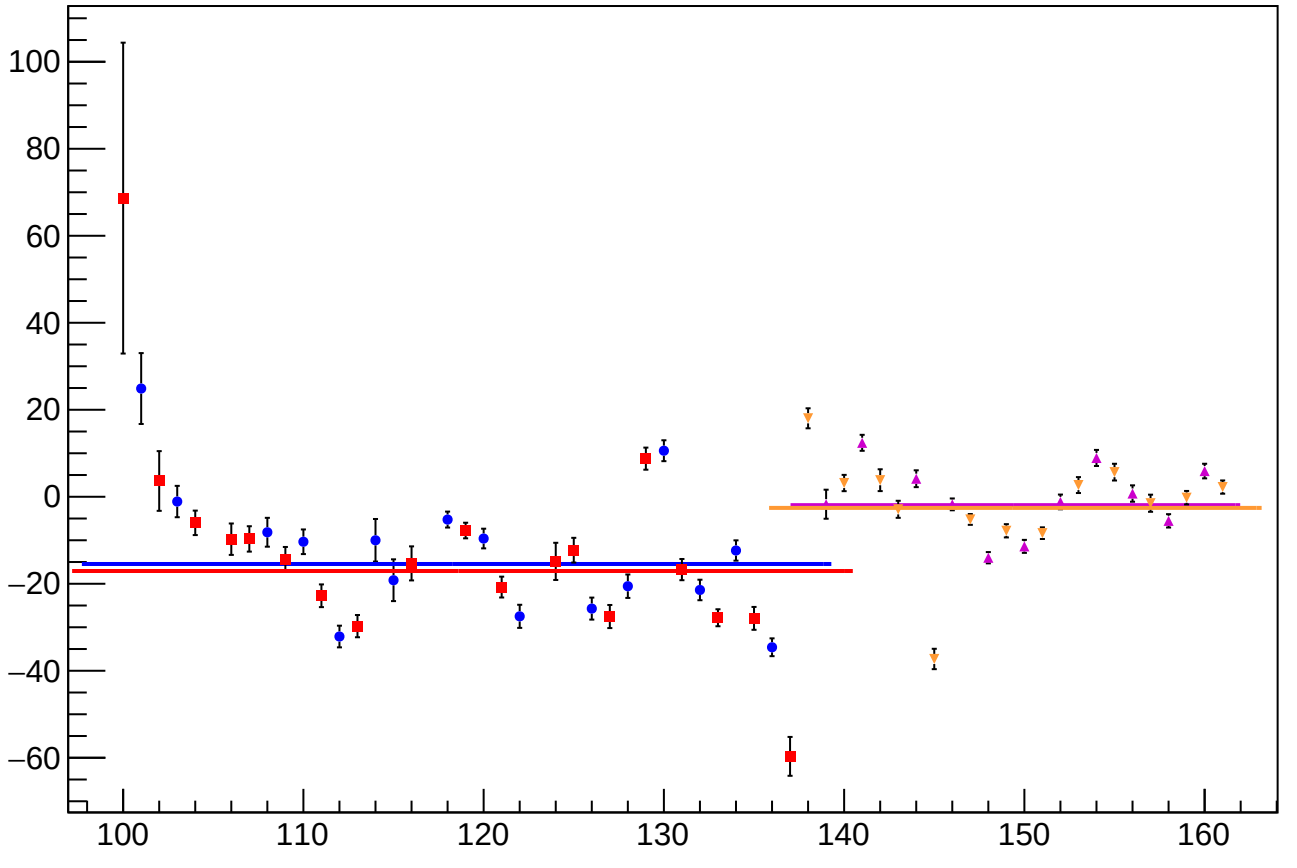
Left: 67.713+/-0.424 χ^2/NDF: 1365.9/23

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 78.521+/-0.443 χ^2/NDF:2081.3/26

Out: 77.321+/-0.425 χ^2/NDF:2734.7/31

All: 77.896+/-0.307 χ^2/NDF: 4819.8/58



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -2.560+/-0.478 χ^2/NDF:390.0/12

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.928+/-0.504 χ^2/NDF:261.7/10

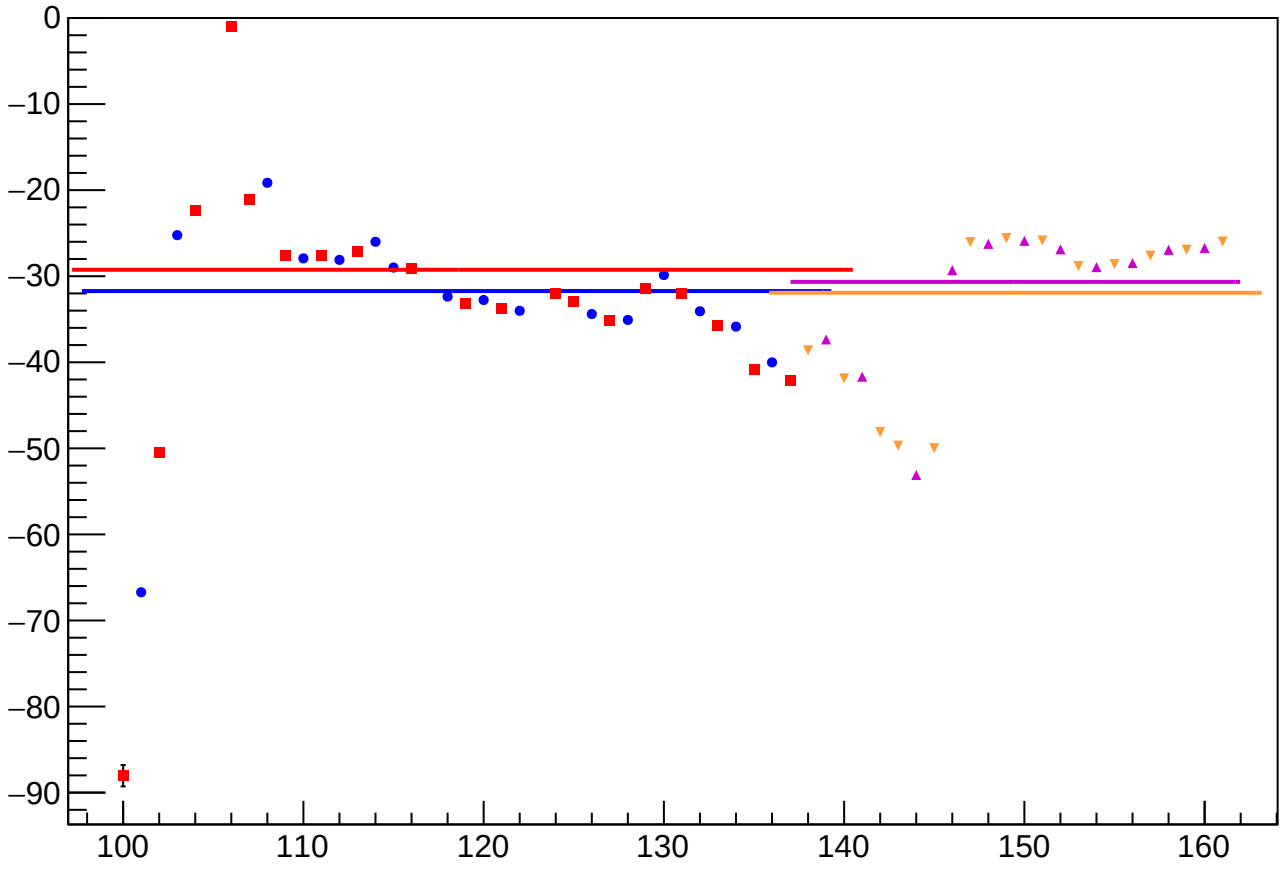
Left: -2.261+/-0.347 χ^2/NDF: 652.5/23

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -6.860+/-0.402 χ^2/NDF:910.7/26

Out: -7.713+/-0.384 χ^2/NDF:1078.6/31

All: -7.306+/-0.277 χ^2/NDF: 1991.6/58



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.922+/-0.022 χ^2/NDF:142510.7/12

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.660+/-0.023 χ^2/NDF:89171.0/10

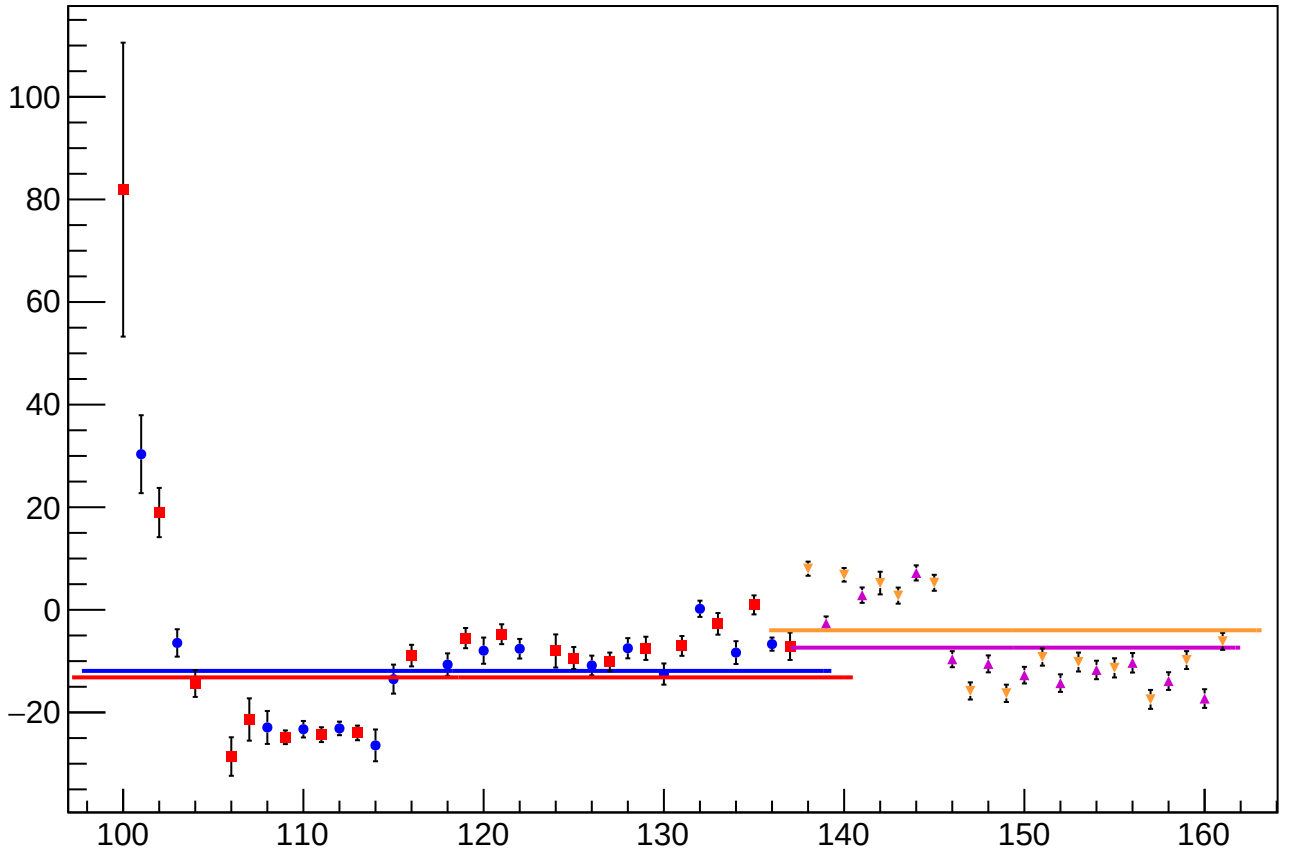
Left: -31.309+/-0.016 χ^2/NDF: 233225.6/23

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.941+/-0.020 χ^2/NDF:129370.2/26

Out: -31.246+/-0.019 χ^2/NDF:241356.9/31

All: -31.096+/-0.014 χ^2/NDF: 370848.6/58



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.988+/-0.459 χ^2/NDF:418.8/12

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -7.373+/-0.490 χ^2/NDF:241.5/10

Left: -5.572+/-0.335 χ^2/NDF: 685.8/23

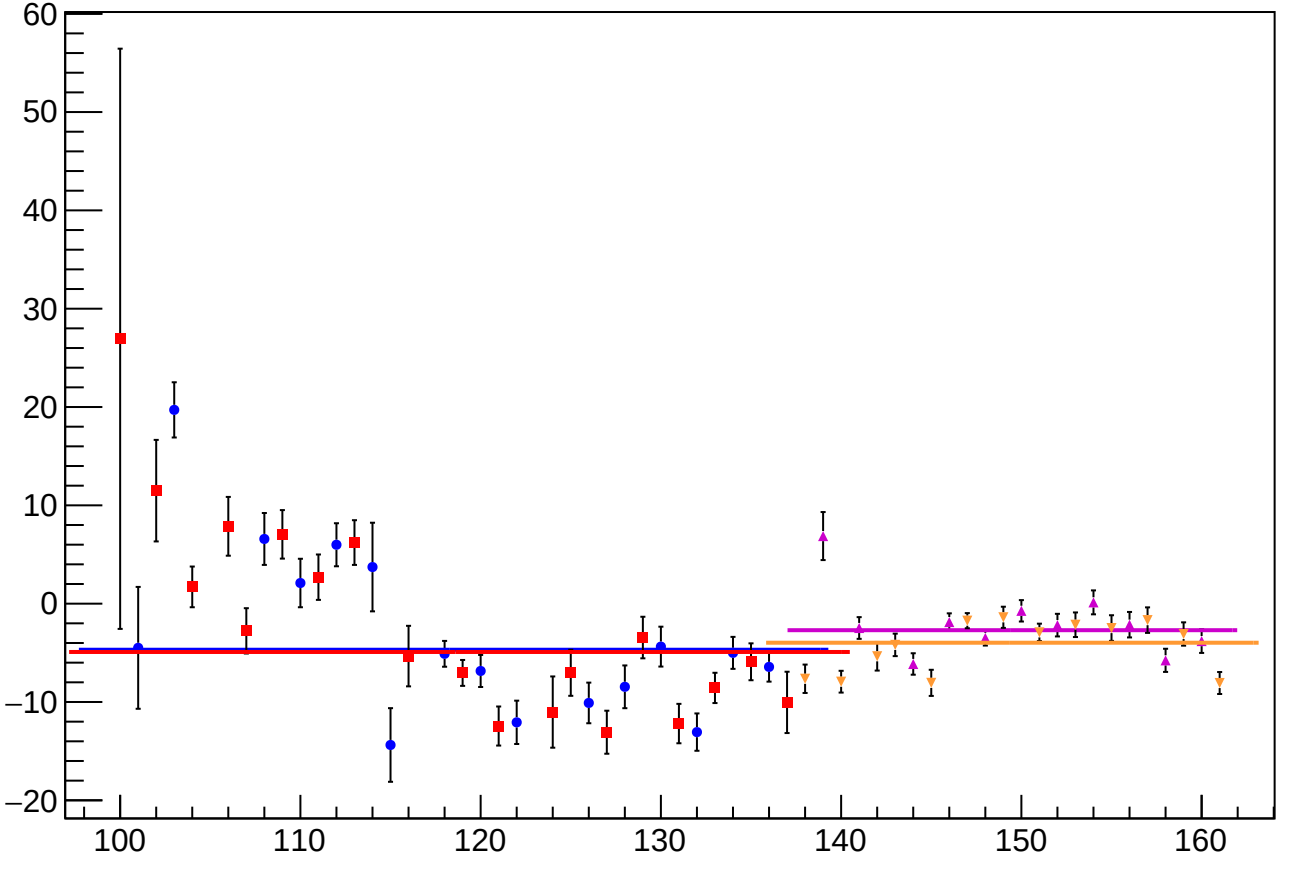
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.607+/-0.349 χ^2/NDF:565.8/26

Out: -8.373+/-0.332 χ^2/NDF:1031.4/31

All: -8.959+/-0.240 χ^2/NDF: 1603.8/58

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.973+/-0.312 χ^2/NDF:65.9/12

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.698+/-0.333 χ^2/NDF:43.9/10

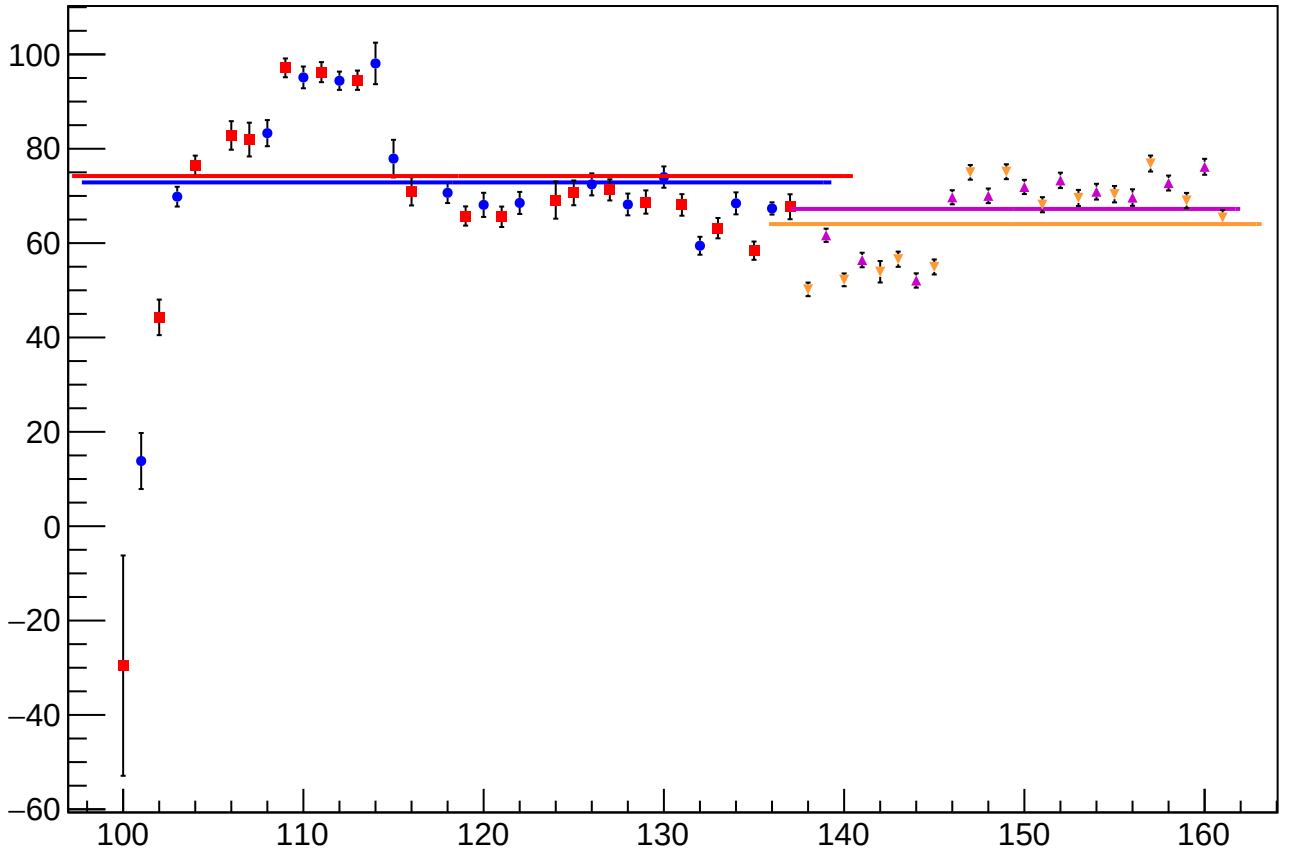
Left: -3.377+/-0.228 χ^2/NDF: 117.6/23

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.281+/-0.280 χ^2/NDF:233.4/26

Out: -4.227+/-0.267 χ^2/NDF:224.2/31

All: -3.777+/-0.193 χ^2/NDF: 463.6/58



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 64.039+/-0.447 χ^2/NDF:437.9/12

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 67.247+/-0.473 χ^2/NDF:240.5/10

Left: 65.552+/-0.325 χ^2/NDF: 702.7/23

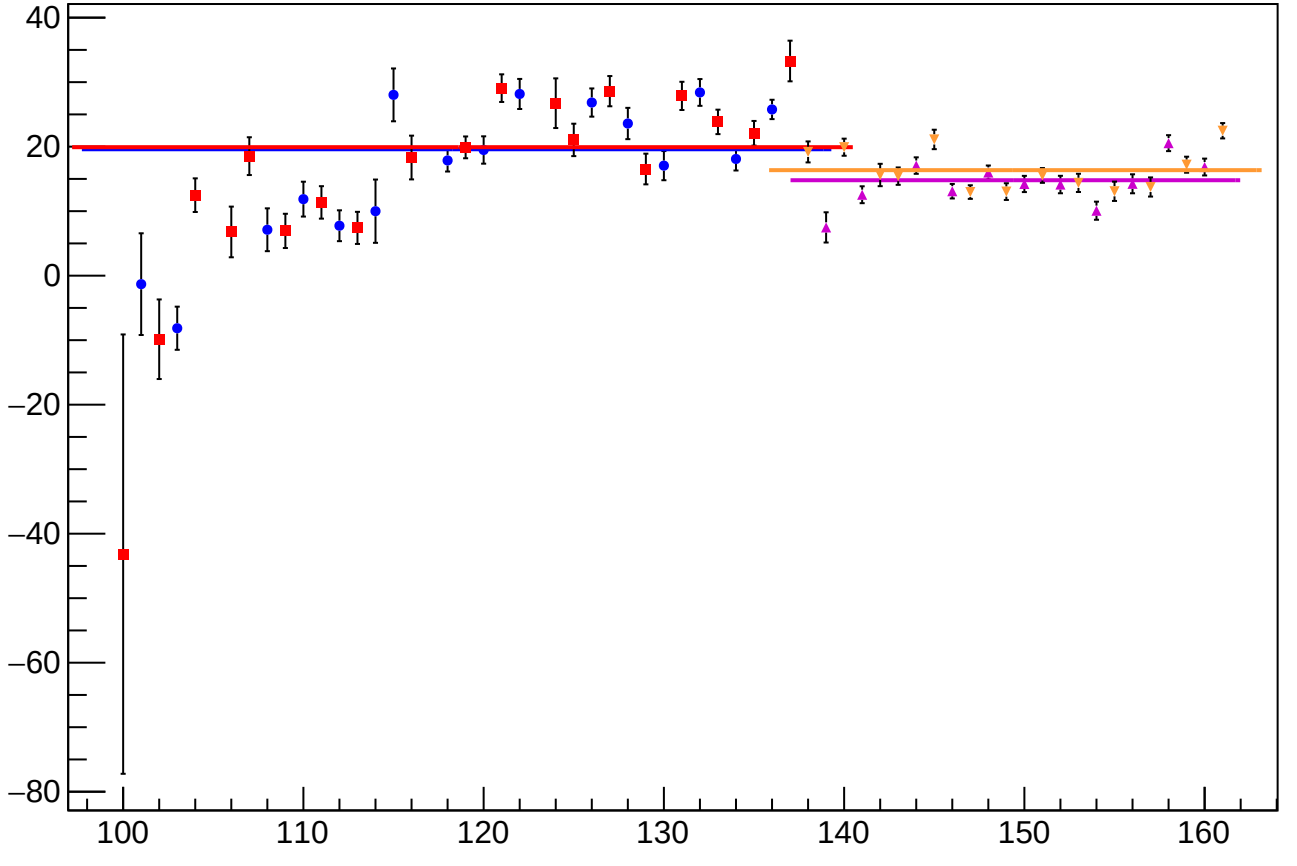
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.563+/-0.363 χ^2/NDF:749.3/26

Out: 67.984+/-0.350 χ^2/NDF:1224.8/31

All: 68.745+/-0.252 χ^2/NDF: 1983.9/58

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.357+/-0.371 χ^2/NDF:75.0/12

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.796+/-0.395 χ^2/NDF:55.4/10

Left: 15.627+/-0.270 χ^2/NDF: 138.7/23

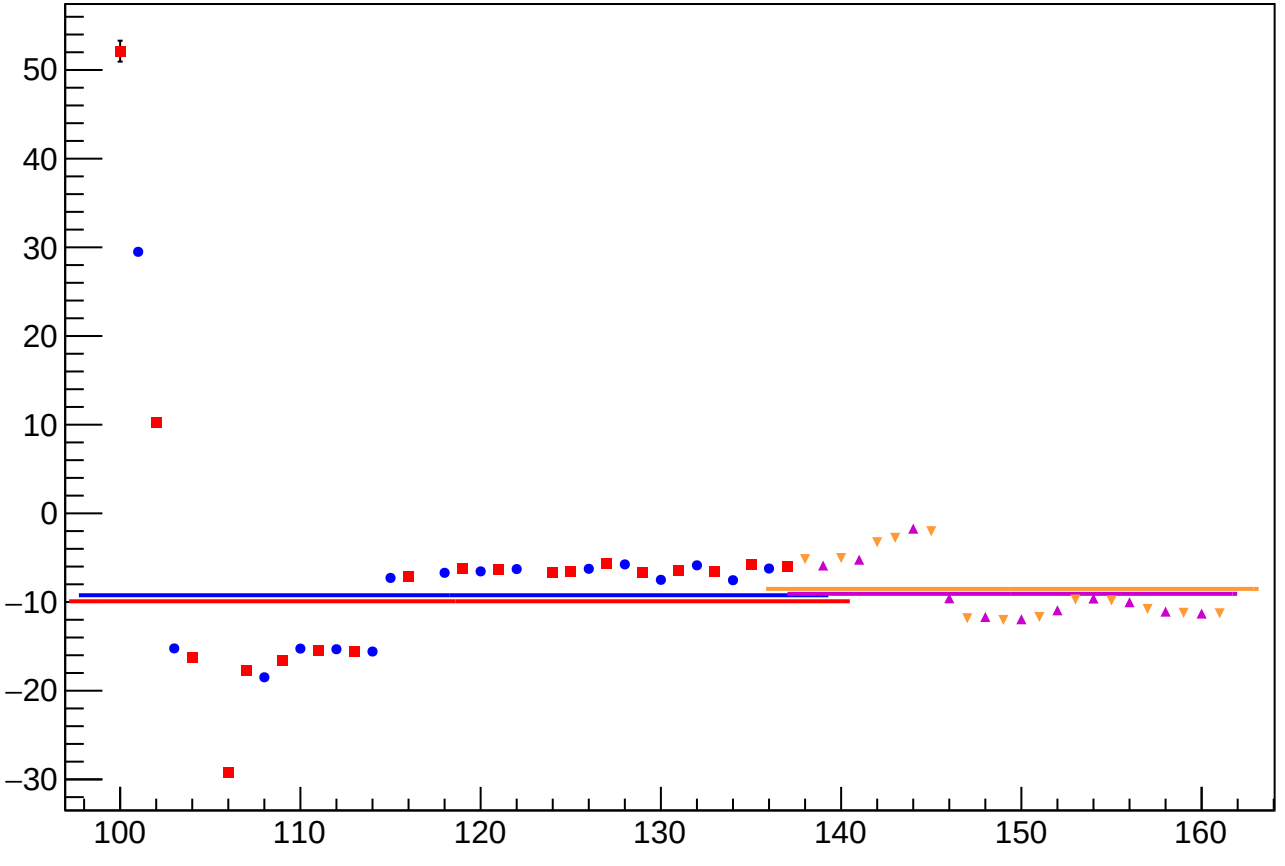
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 16.300+/-0.328 χ^2/NDF:297.6/26

Out: 17.377+/-0.313 χ^2/NDF:282.8/31

All: 16.862+/-0.226 χ^2/NDF: 586.0/58

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.518+/-0.017 χ^2/NDF:43206.5/12

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.075+/-0.018 χ^2/NDF:27596.8/10

Left: -8.785+/-0.012 χ^2/NDF: 71314.0/23

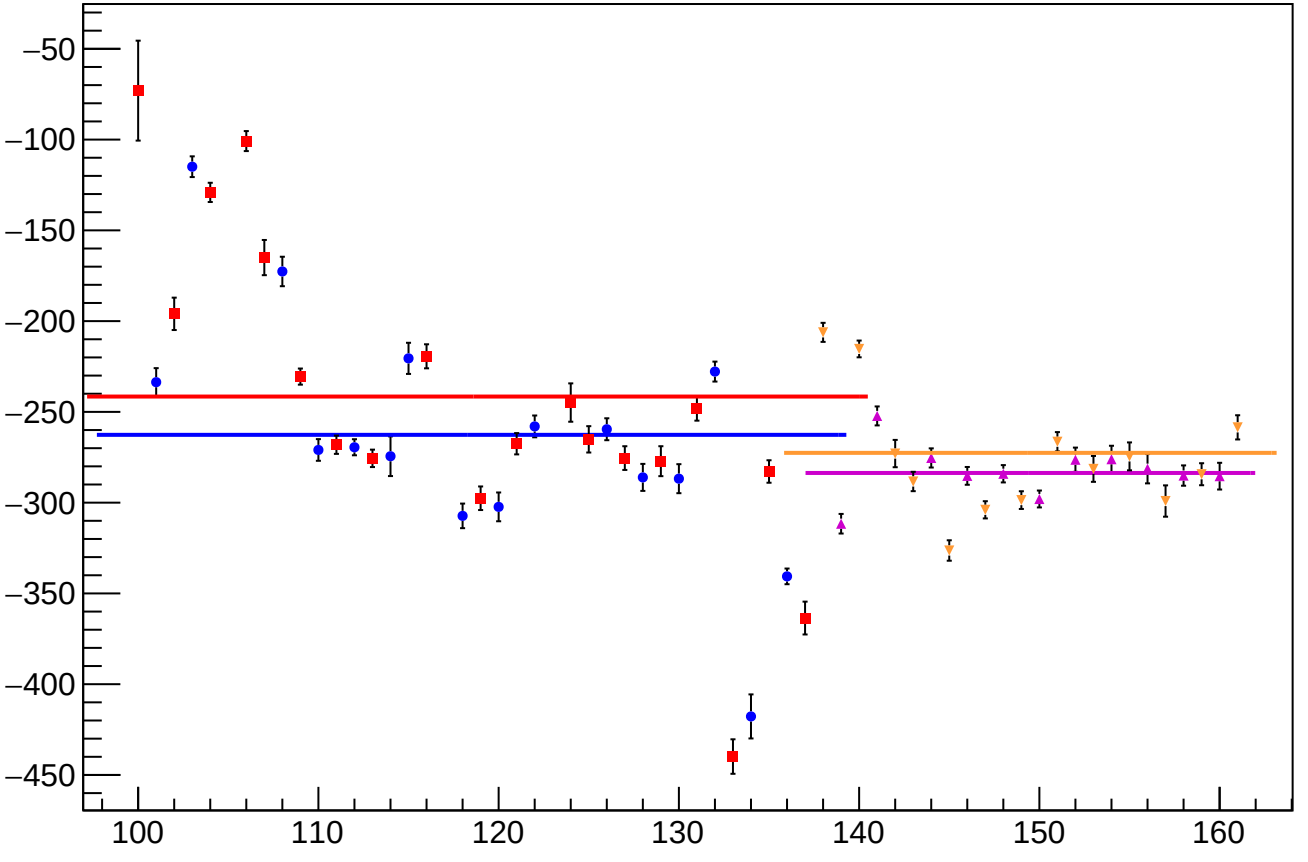
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.111+/-0.016 χ^2/NDF:58774.4/26

Out: -8.793+/-0.015 χ^2/NDF:98387.0/31

All: -8.949+/-0.011 χ^2/NDF: 157372.8/58

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.567+/-1.602 χ^2/NDF:506.8/12

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -283.641+/-1.703 χ^2/NDF:77.5/10

Left: -277.768+/-1.167 χ^2/NDF: 606.7/23

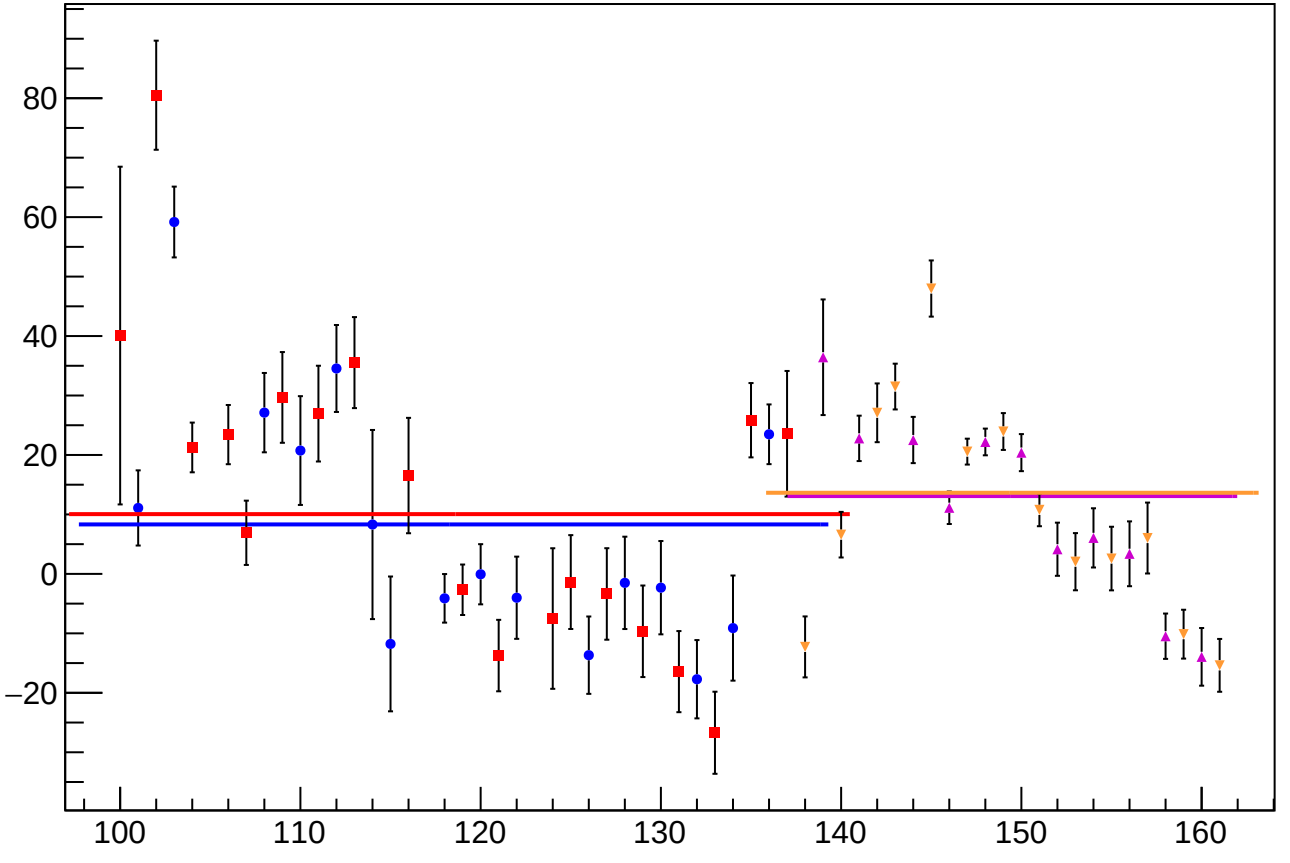
Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -272.579+/-1.171 χ^2/NDF:1611.9/26

Out: -256.097+/-1.097 χ^2/NDF:2844.3/31

All: -263.801+/-0.801 χ^2/NDF: 4561.7/58

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 13.644+/-1.041 χ^2/NDF:220.9/12

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 13.088+/-1.107 χ^2/NDF:119.0/10

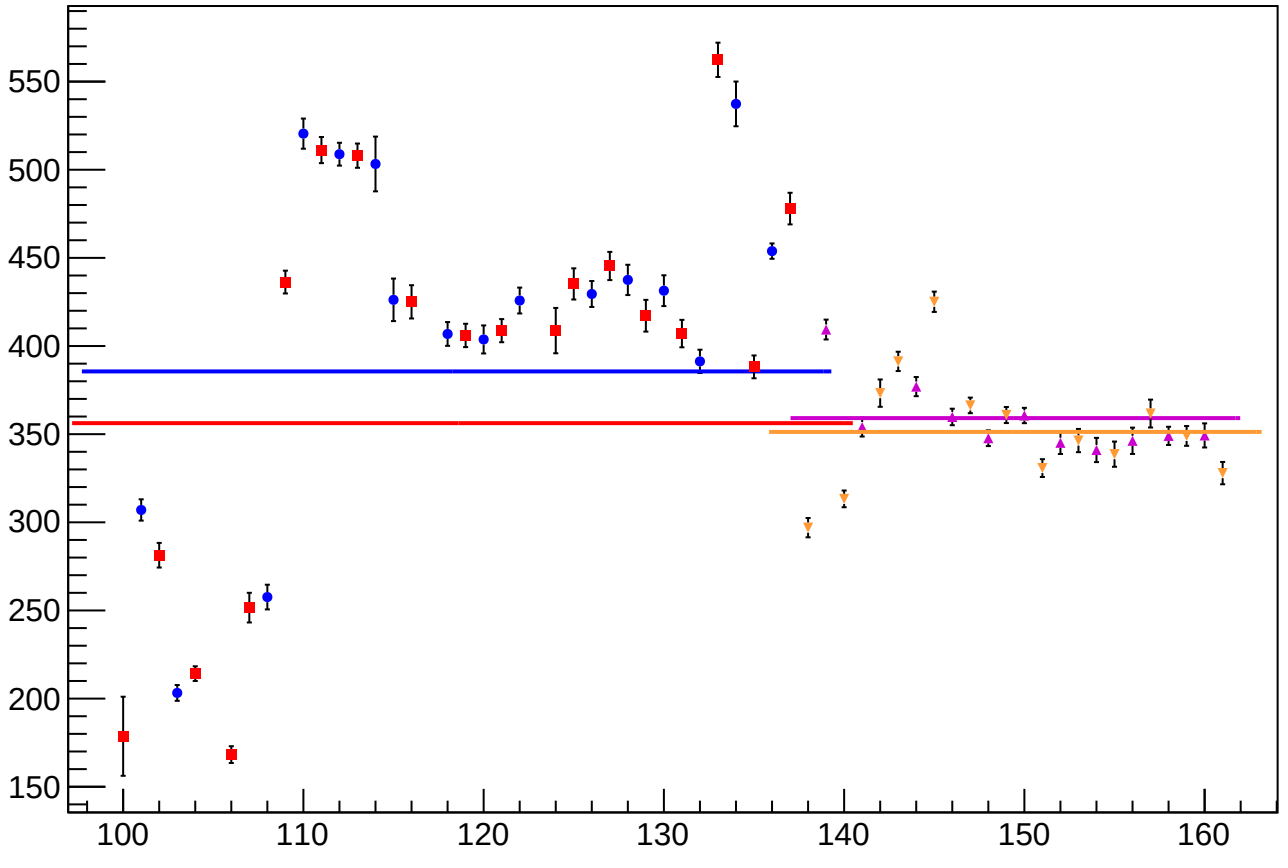
Left: 13.383+/-0.758 χ^2/NDF: 340.1/23

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 11.600+/-0.918 χ^2/NDF:282.5/26

Out: 12.516+/-0.862 χ^2/NDF:412.1/31

All: 12.087+/-0.629 χ^2/NDF: 695.0/58



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 351.285+/-1.559 χ^2/NDF:440.0/12

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 359.115+/-1.641 χ^2/NDF:118.6/10

Left: 355.000+/-1.130 χ^2/NDF: 570.6/23

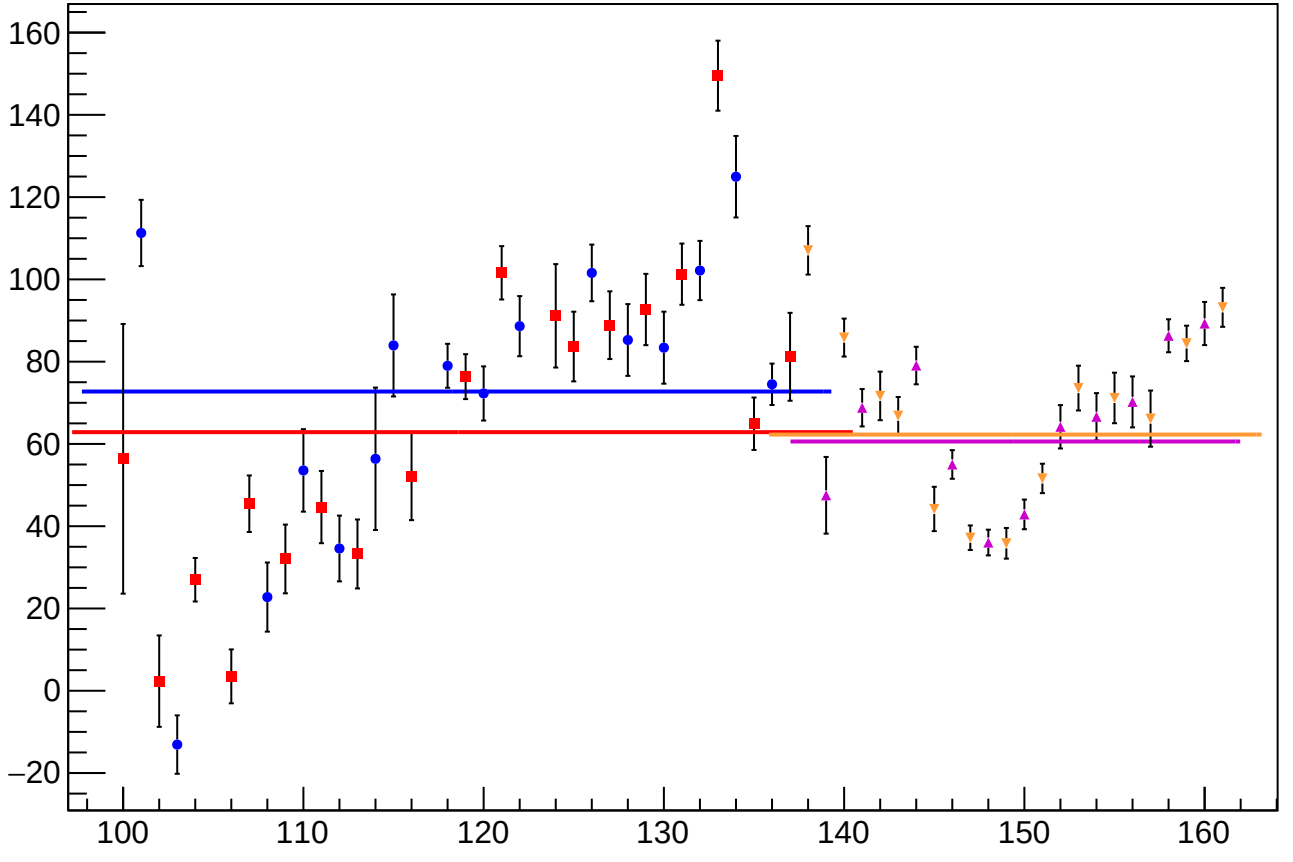
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 371.558+/-1.194 χ^2/NDF:3614.1/26

Out: 353.629+/-1.132 χ^2/NDF:5715.1/31

All: 362.112+/-0.822 χ^2/NDF: 9447.9/58

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 62.280+/-1.260 χ^2/NDF:304.2/12

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 60.593+/-1.336 χ^2/NDF:184.9/10

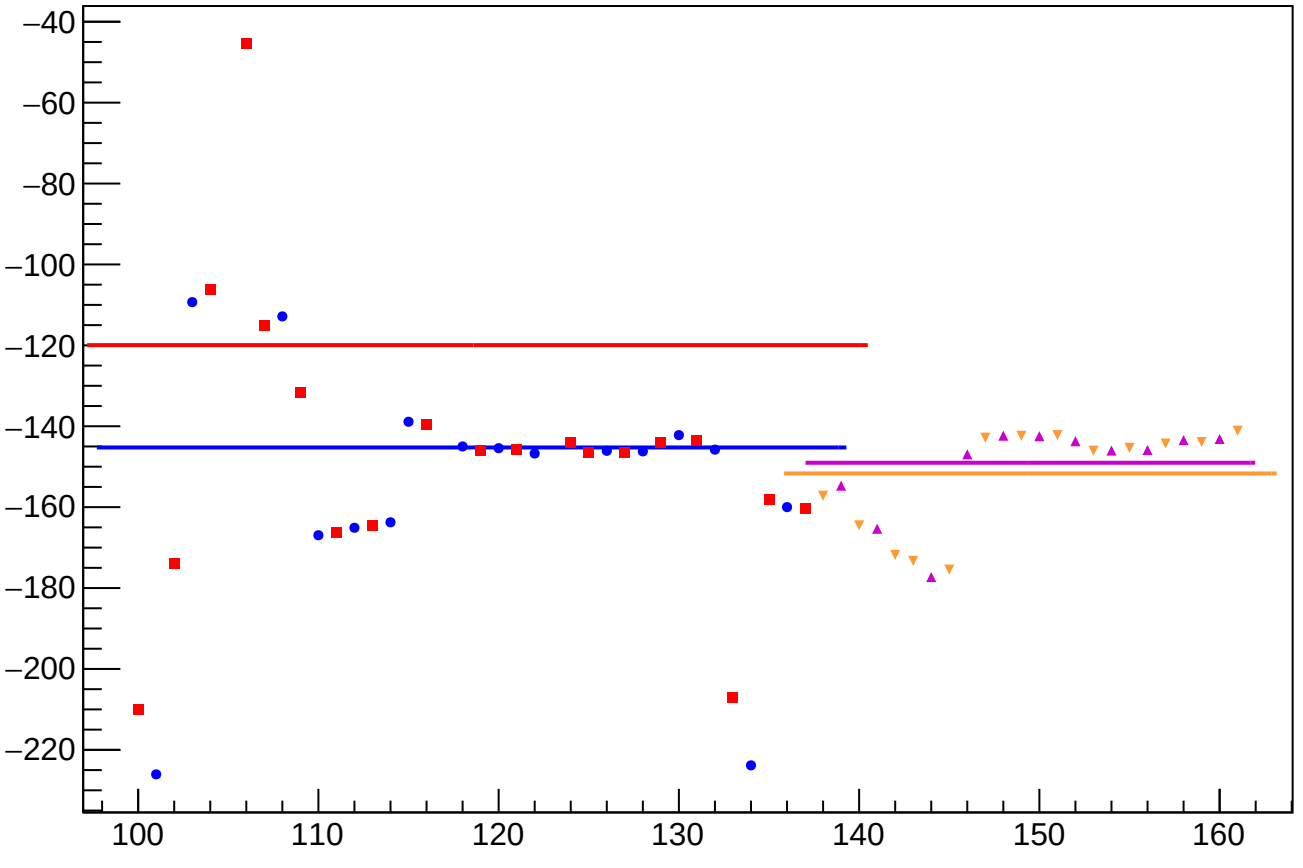
Left: 61.485+/-0.917 χ^2/NDF: 490.0/23

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 64.620+/-1.092 χ^2/NDF:516.7/26

Out: 62.472+/-1.031 χ^2/NDF:707.9/31

All: 63.485+/-0.750 χ^2/NDF: 1226.6/58



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -151.665+/-0.061 χ^2/NDF:40705.6/12

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -149.025+/-0.063 χ^2/NDF:25097.3/10

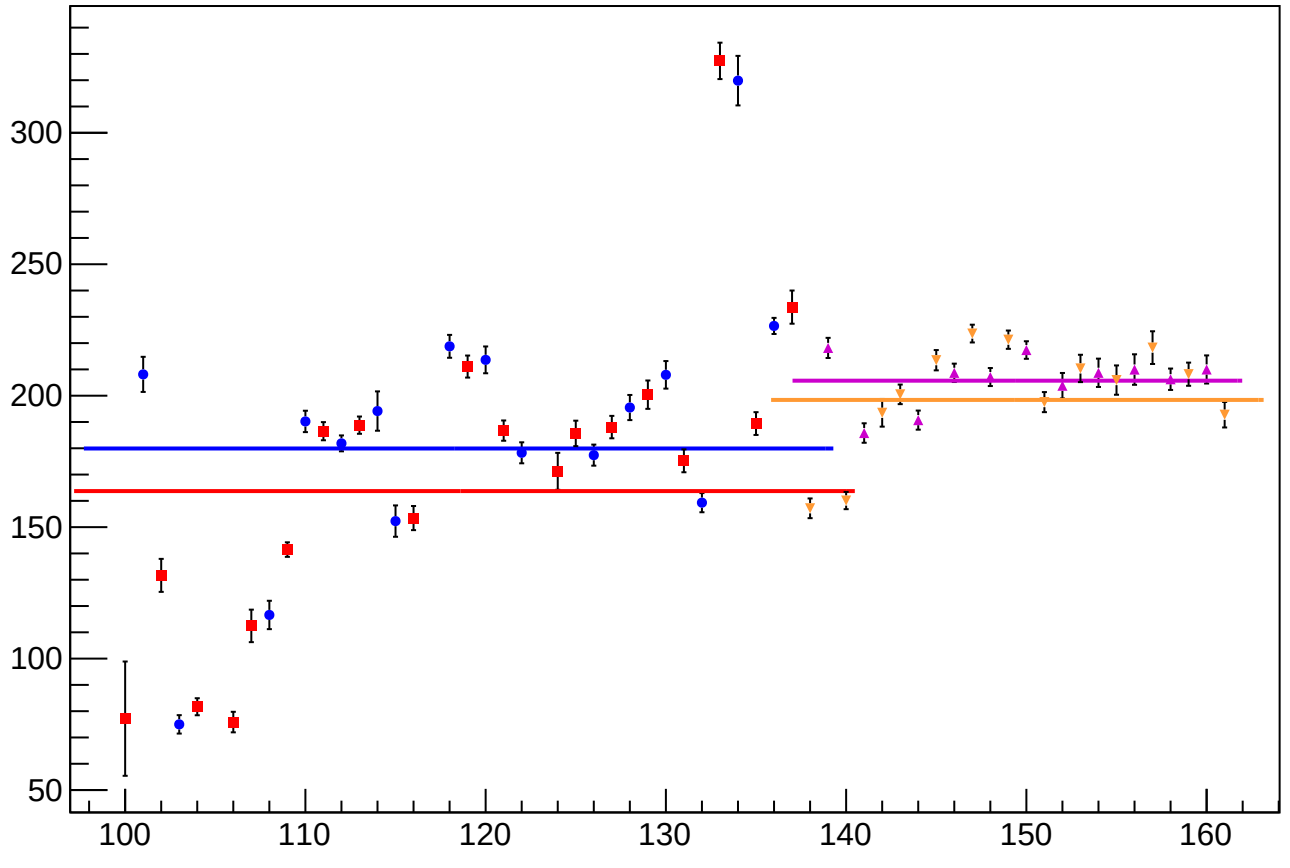
Left: -150.383+/-0.044 χ^2/NDF: 66709.2/23

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.928+/-0.053 χ^2/NDF:158202.5/26

Out: -141.496+/-0.050 χ^2/NDF:397407.4/31

All: -144.550+/-0.037 χ^2/NDF: 563349.9/58



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.393+/-1.142 χ^2/NDF:396.5/12

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.711+/-1.217 χ^2/NDF:71.2/10

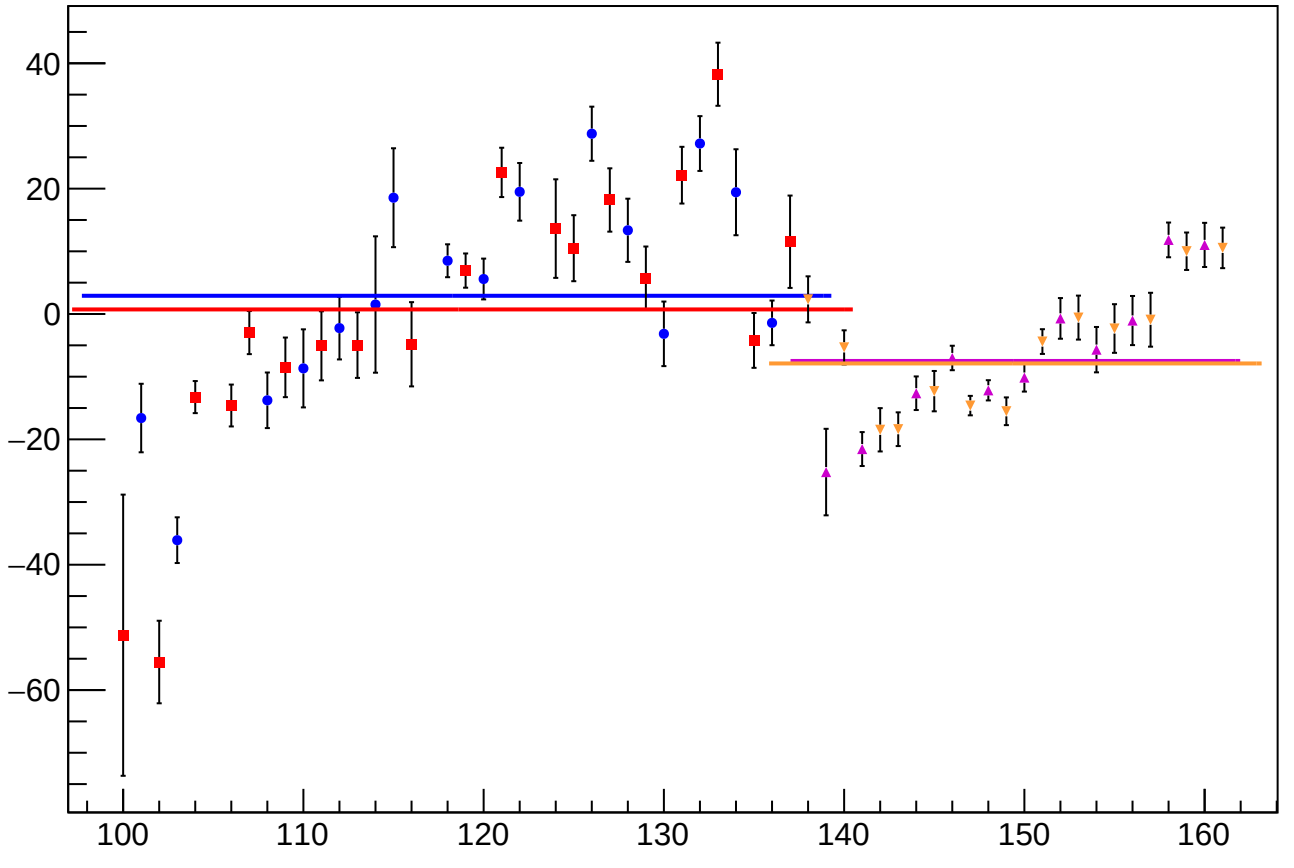
Left: 201.820+/-0.833 χ^2/NDF: 486.9/23

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 191.385+/-0.811 χ^2/NDF:2053.5/26

Out: 178.784+/-0.753 χ^2/NDF:3334.9/31

All: 184.612+/-0.552 χ^2/NDF: 5518.1/58



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -7.890+/-0.743 χ^2/NDF:146.4/12

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -7.493+/-0.793 χ^2/NDF:130.7/10

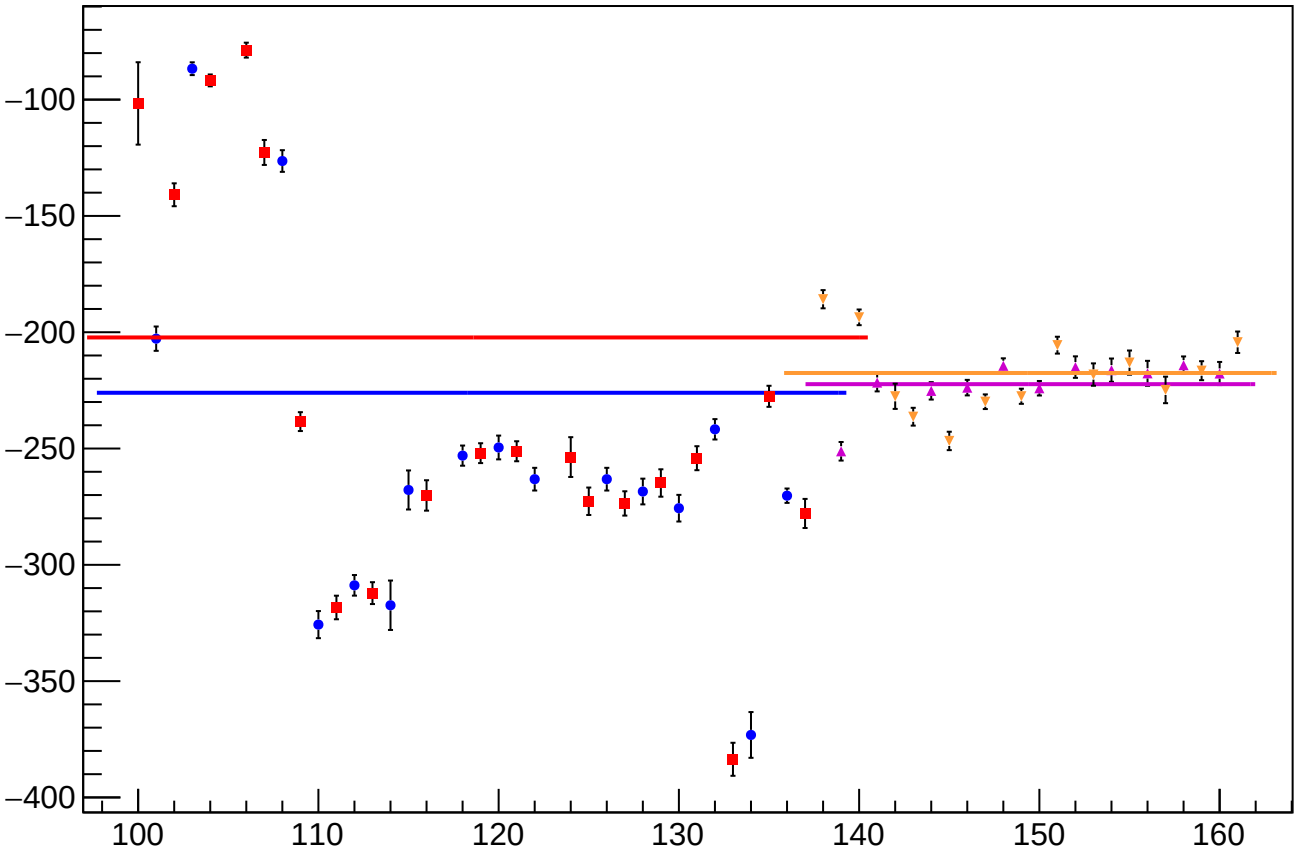
Left: -7.704+/-0.542 χ^2/NDF: 277.1/23

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -3.956+/-0.644 χ^2/NDF:436.7/26

Out: -4.873+/-0.599 χ^2/NDF:467.1/31

All: -4.448+/-0.439 χ^2/NDF: 904.8/58



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -217.521+/-1.112 χ^2/NDF:244.5/12

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -222.327+/-1.174 χ^2/NDF:69.8/10

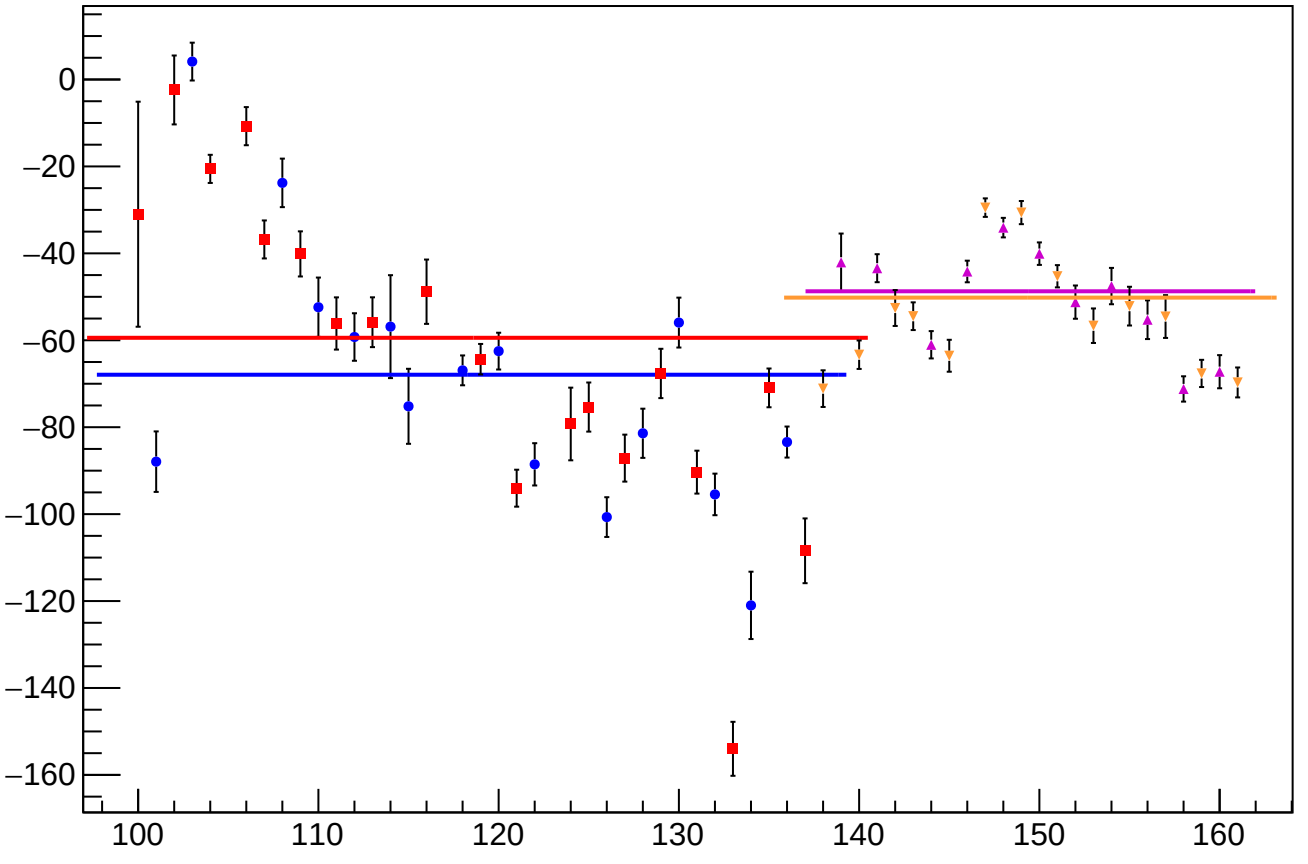
Left: -219.794+/-0.807 χ^2/NDF: 323.1/23

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -224.175+/-0.830 χ^2/NDF:4613.8/26

Out: -209.712+/-0.777 χ^2/NDF:7031.8/31

All: -216.466+/-0.567 χ^2/NDF: 11807.3/58



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -50.184+/-0.900 χ^2/NDF:275.0/12

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -48.728+/-0.957 χ^2/NDF:161.8/10

Left: -49.501+/-0.655 χ^2/NDF: 438.1/23

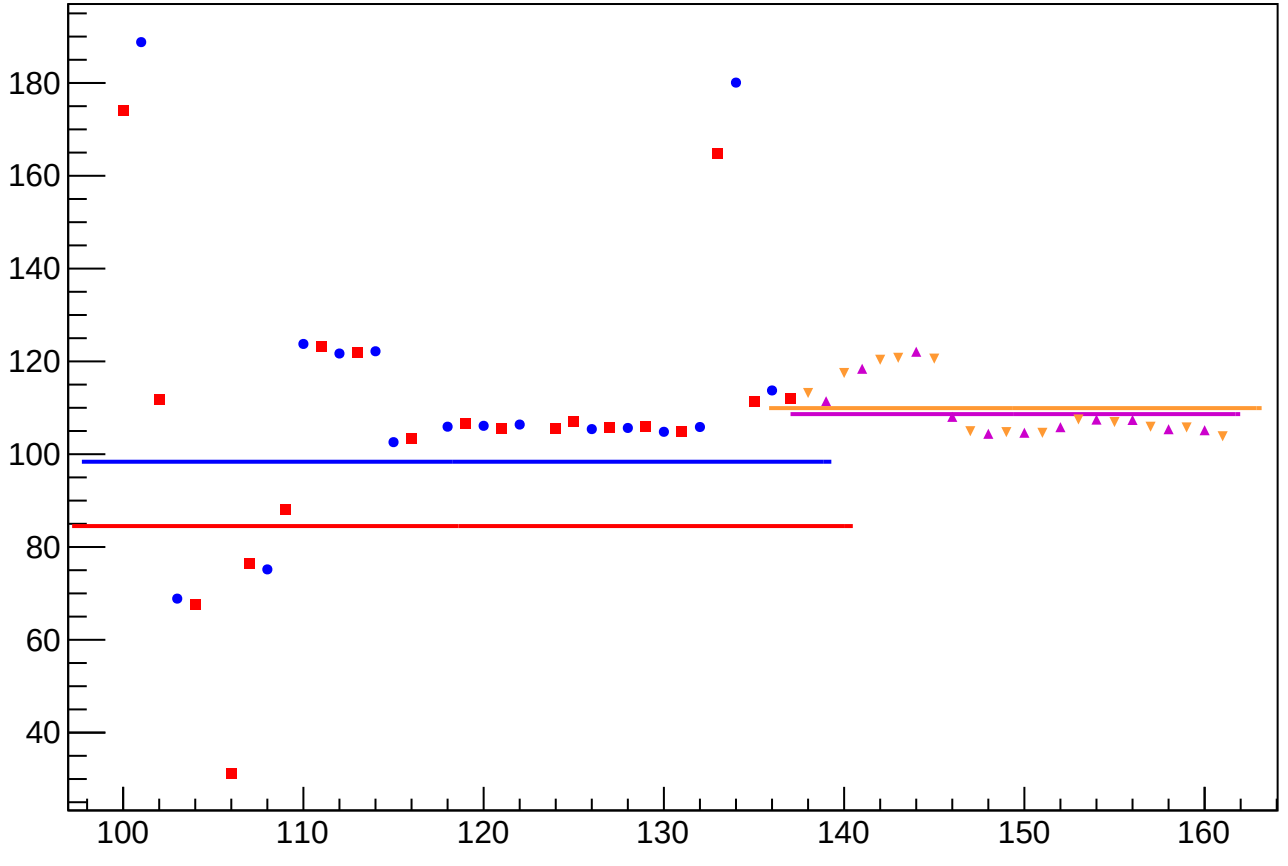
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -55.625+/-0.766 χ^2/NDF:840.4/26

Out: -53.567+/-0.716 χ^2/NDF:1108.5/31

All: -54.527+/-0.523 χ^2/NDF: 1952.8/58

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: 109.932+/-0.044 χ^2/NDF:21720.4/12

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.640+/-0.045 χ^2/NDF:14248.0/10

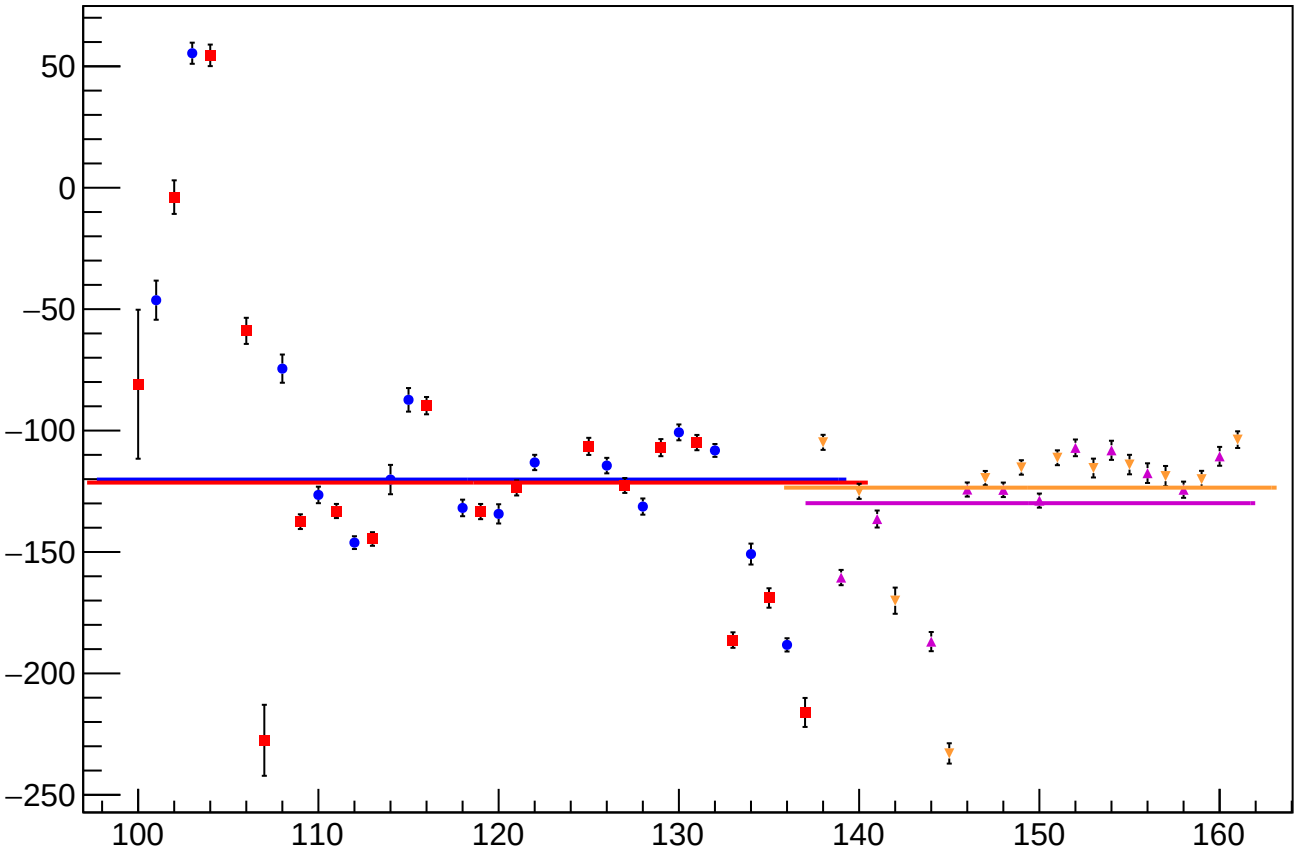
Left: 109.306+/-0.031 χ^2/NDF: 36392.0/23

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.378+/-0.037 χ^2/NDF:259142.6/26

Out: 101.245+/-0.035 χ^2/NDF:406340.4/31

All: 103.210+/-0.026 χ^2/NDF: 671949.3/58



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -123.502+/-1.007 χ^2/NDF:865.4/11

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -129.897+/-1.020 χ^2/NDF:424.9/10

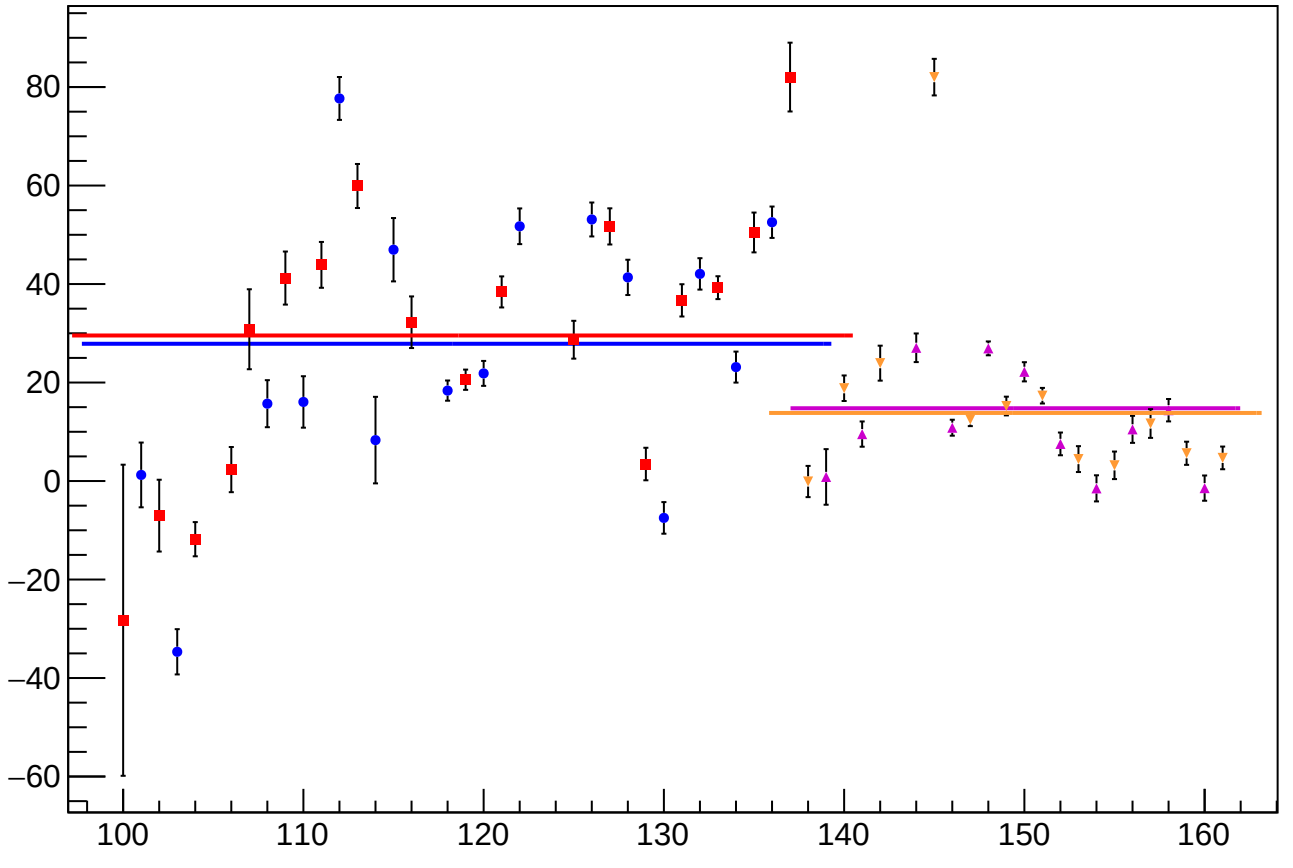
Left: -126.659+/-0.716 χ^2/NDF: 1310.2/22

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -124.383+/-0.671 χ^2/NDF:3167.6/26

Out: -122.315+/-0.661 χ^2/NDF:3994.2/29

All: -123.333+/-0.471 χ^2/NDF: 7166.6/56



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 13.826+/-0.648 χ^2/NDF:430.1/11

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 14.779+/-0.666 χ^2/NDF:212.8/10

Left: 14.290+/-0.464 χ^2/NDF: 644.0/22

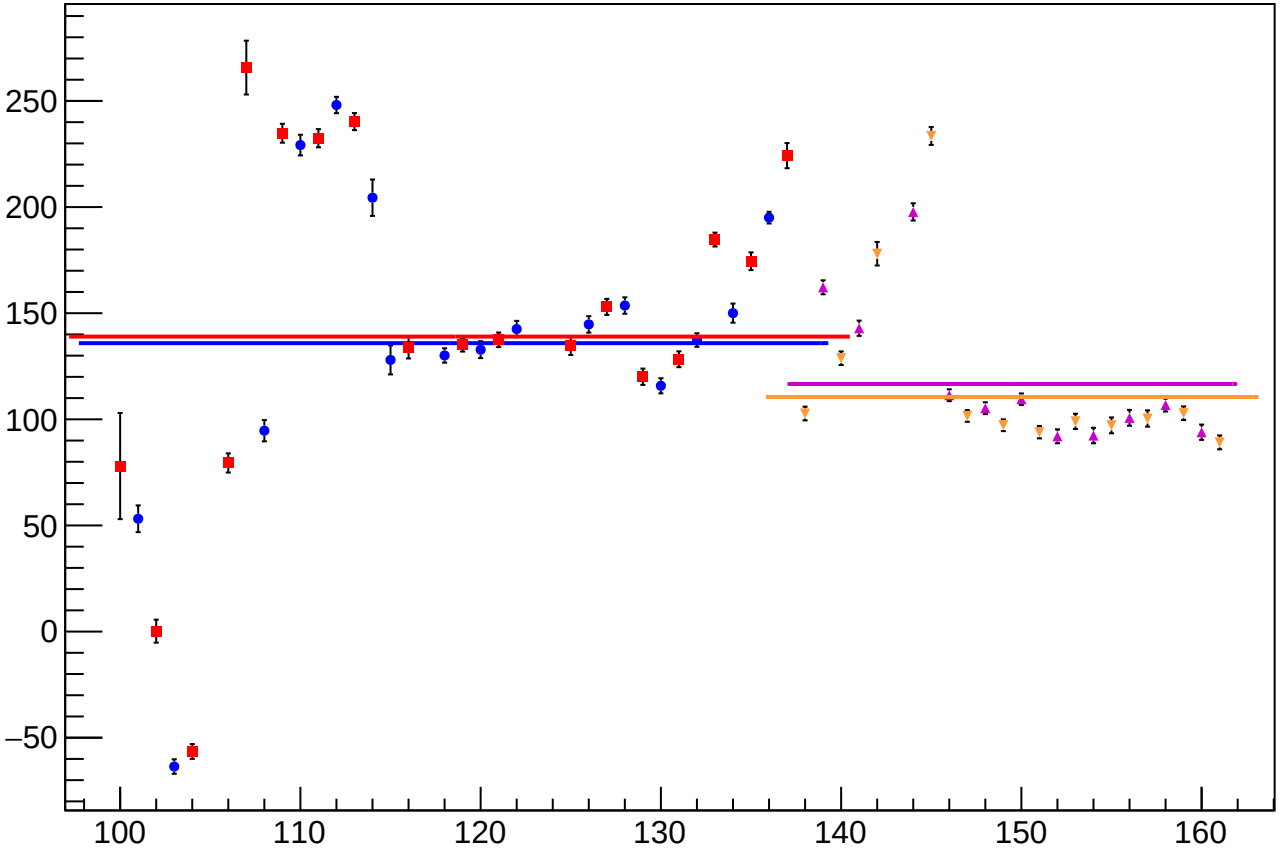
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 19.487+/-0.533 χ^2/NDF:1051.6/26

Out: 19.283+/-0.524 χ^2/NDF:1131.6/29

All: 19.384+/-0.374 χ^2/NDF: 2183.3/56

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: 110.529+/-0.968 χ^2/NDF:1179.1/11

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 116.647+/-0.978 χ^2/NDF:839.7/10

Left: 113.556+/-0.688 χ^2/NDF: 2038.6/22

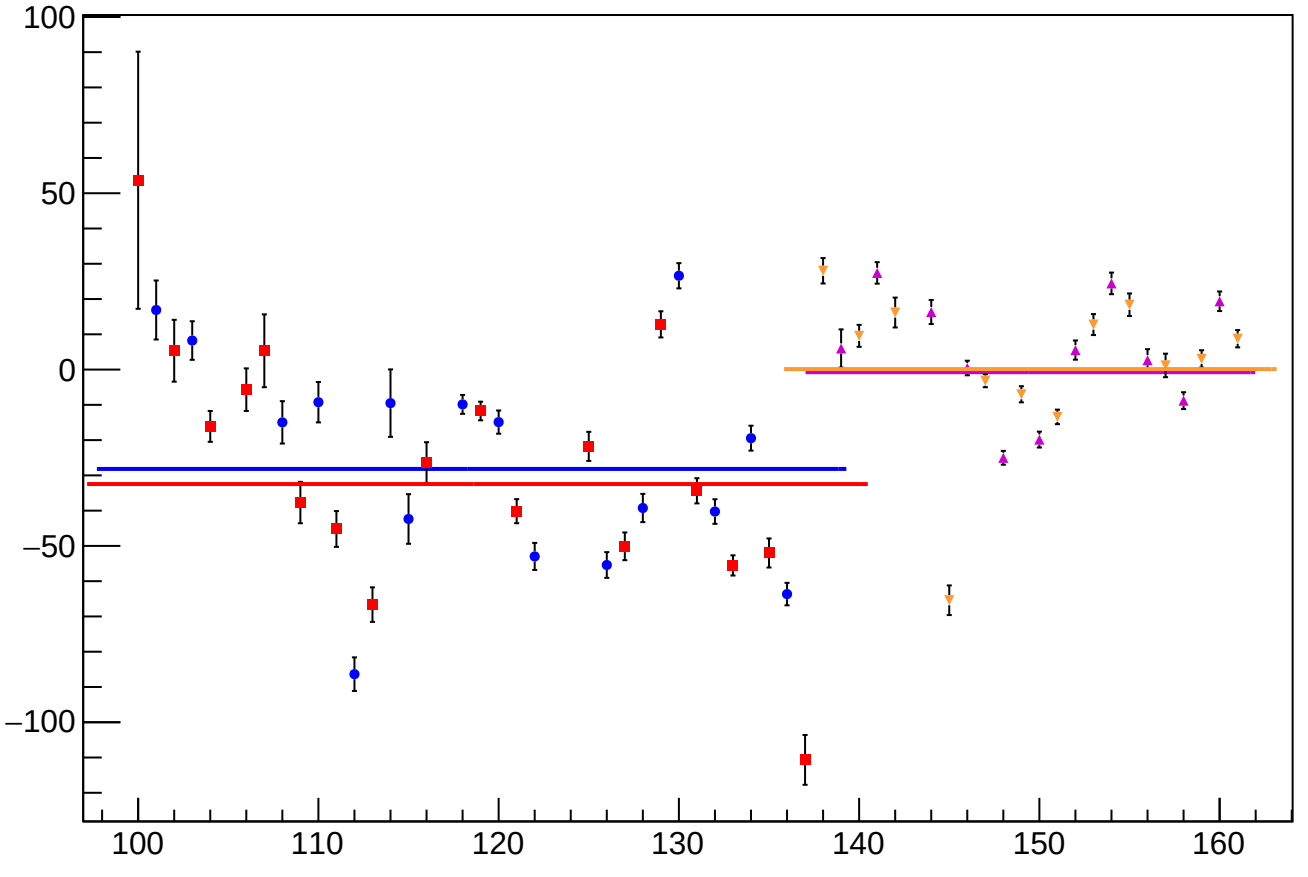
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 126.063+/-0.699 χ^2/NDF:6492.8/26

Out: 124.315+/-0.695 χ^2/NDF:7754.4/29

All: 125.185+/-0.493 χ^2/NDF: 14250.4/56

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 0.136+/-0.781 χ^2/NDF:447.0/11

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -0.739+/-0.799 χ^2/NDF:475.6/10

Left: -0.292+/-0.558 χ^2/NDF: 923.2/22

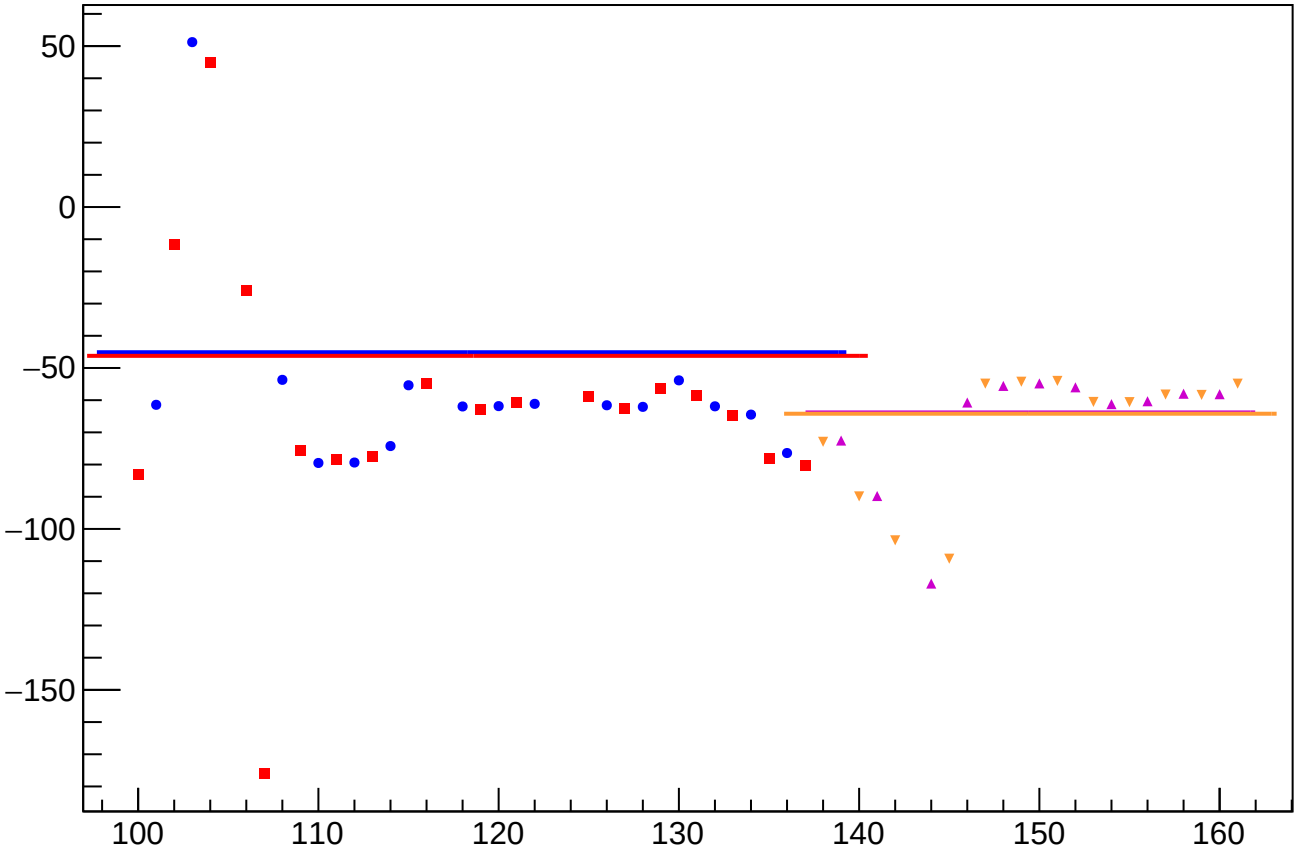
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -11.136+/-0.629 χ^2/NDF:1714.1/26

Out: -11.799+/-0.622 χ^2/NDF:1665.8/29

All: -11.472+/-0.442 χ^2/NDF: 3380.5/56

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -64.210+/-0.037 χ^2/NDF:174489.5/11

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -63.804+/-0.037 χ^2/NDF:144790.9/10

Left: -64.006+/-0.026 χ^2/NDF: 319341.0/22

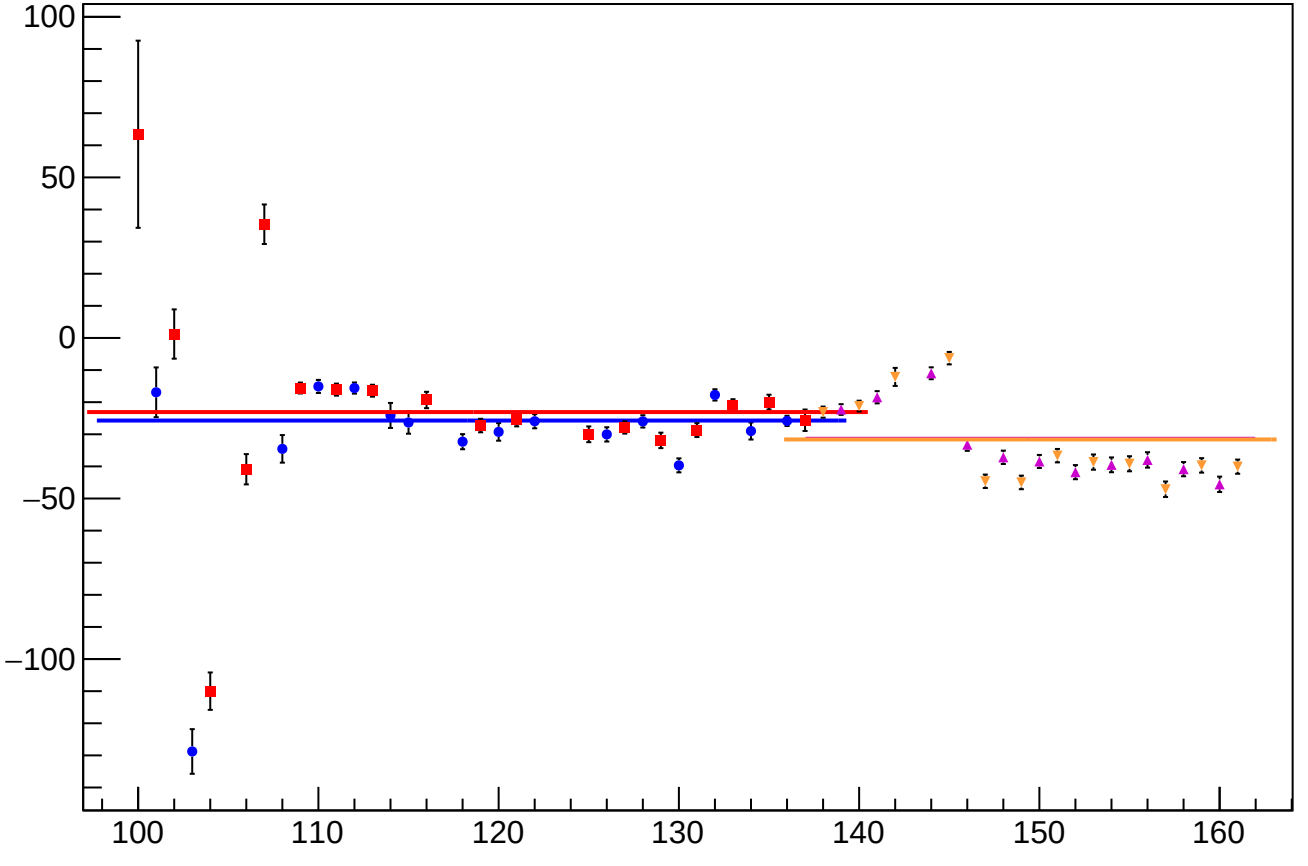
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.702+/-0.031 χ^2/NDF:790278.7/26

Out: -59.563+/-0.032 χ^2/NDF:729314.4/29

All: -59.127+/-0.022 χ^2/NDF: 1519963.6/56

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.613+/-0.610 χ^2/NDF:453.0/11

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -31.400+/-0.619 χ^2/NDF:312.1/10

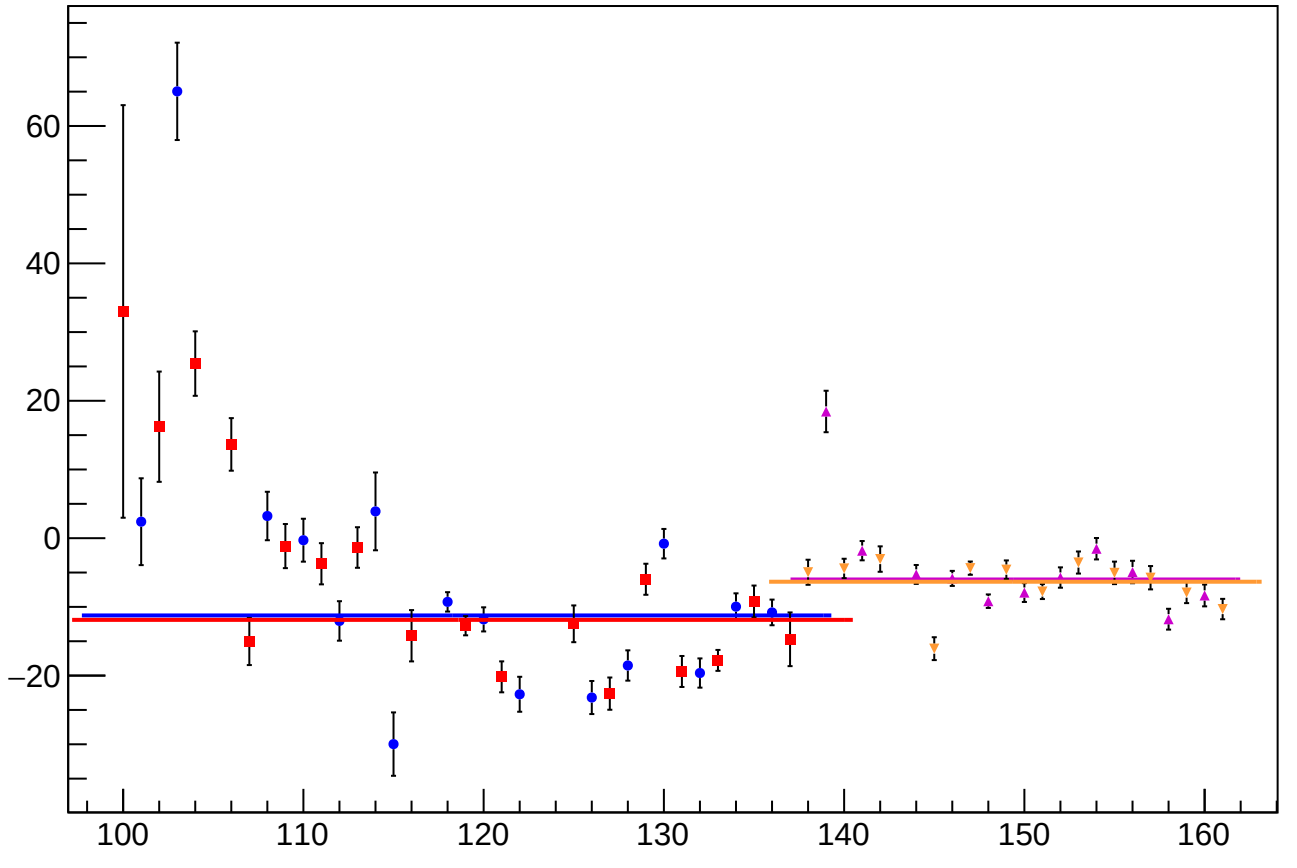
Left: -31.508+/-0.434 χ^2/NDF: 765.2/22

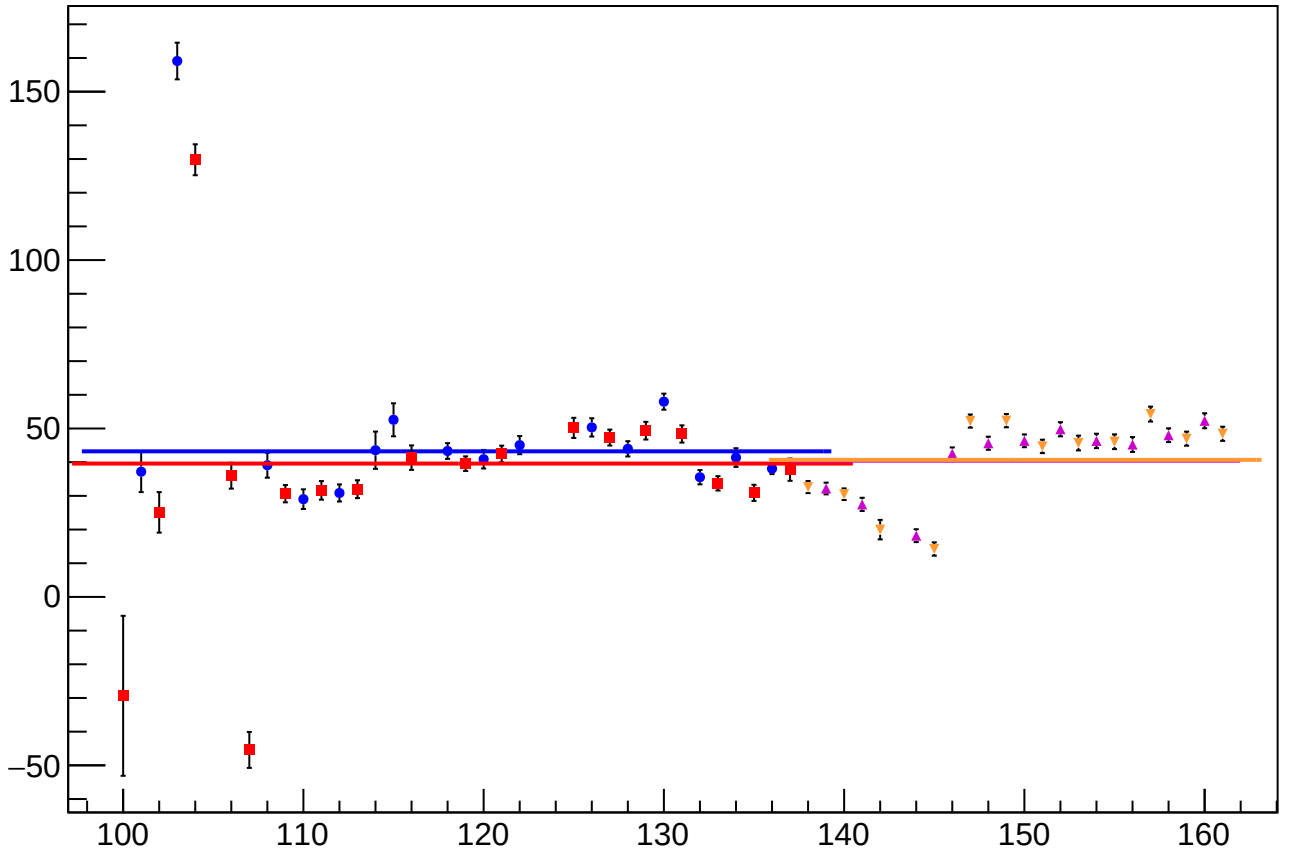
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -28.426+/-0.427 χ^2/NDF:719.2/26

Out: -27.147+/-0.421 χ^2/NDF:992.7/29

All: -27.777+/-0.300 χ^2/NDF: 1716.4/56


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.338+/-0.412 χ²/NDF:59.5/11
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -6.012+/-0.422 χ²/NDF:112.5/10
Left: -6.179+/-0.295 χ²/NDF: 172.3/22
Right: -11.564+/-0.427 χ²/NDF: 496.1/33
In: -7.744+/-0.345 χ²/NDF:434.5/26
Out: -8.086+/-0.341 χ²/NDF:341.3/29
All: -7.917+/-0.242 χ²/NDF: 776.3/56



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.693+/-0.592 χ^2/NDF:429.3/11

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 40.442+/-0.599 χ^2/NDF:293.7/10

Left: 40.569+/-0.421 χ^2/NDF: 723.1/22

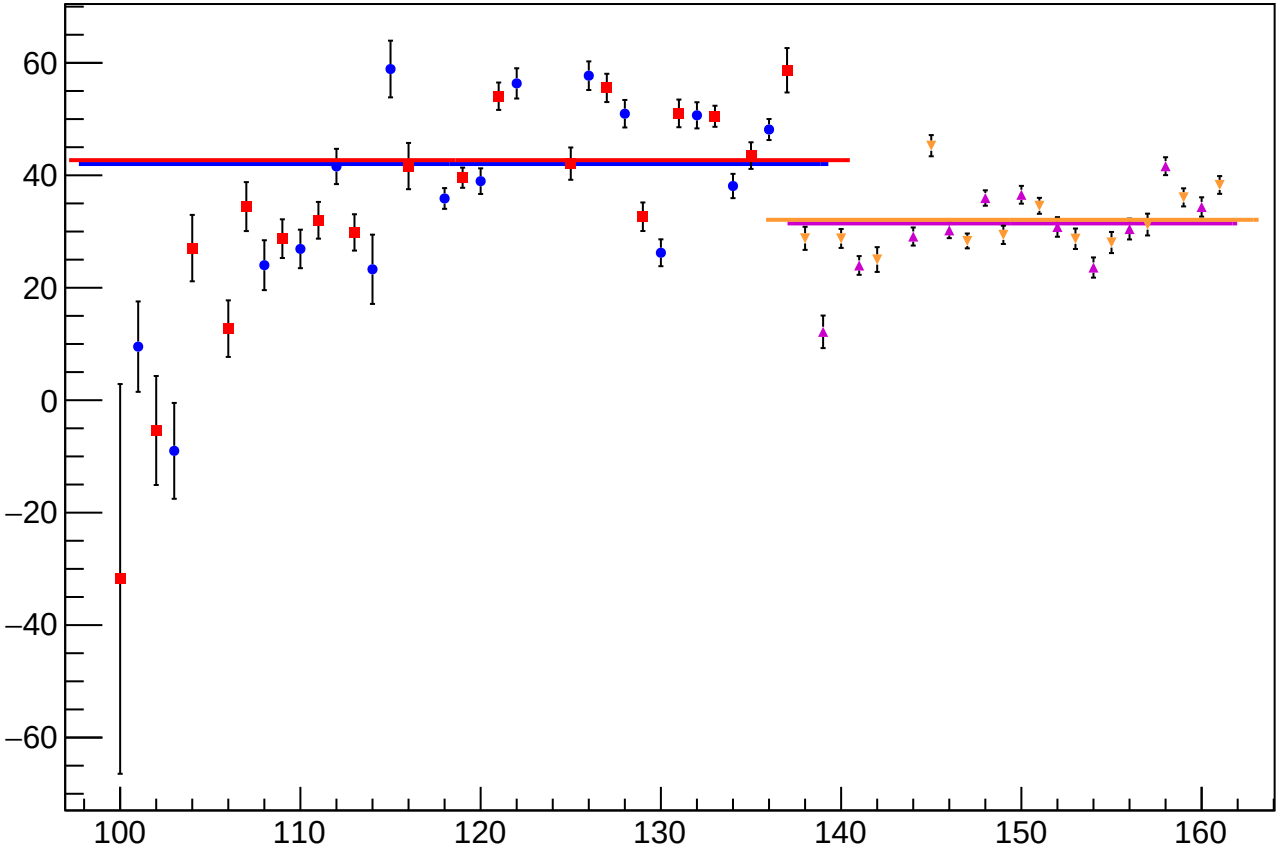
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.660+/-0.449 χ^2/NDF:879.1/26

Out: 40.220+/-0.448 χ^2/NDF:1184.8/29

All: 40.938+/-0.317 χ^2/NDF: 2069.1/56

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: 32.090+/-0.490 χ^2/NDF:109.3/11

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 31.441+/-0.501 χ^2/NDF:152.0/10

Left: 31.773+/-0.350 χ^2/NDF: 262.1/22

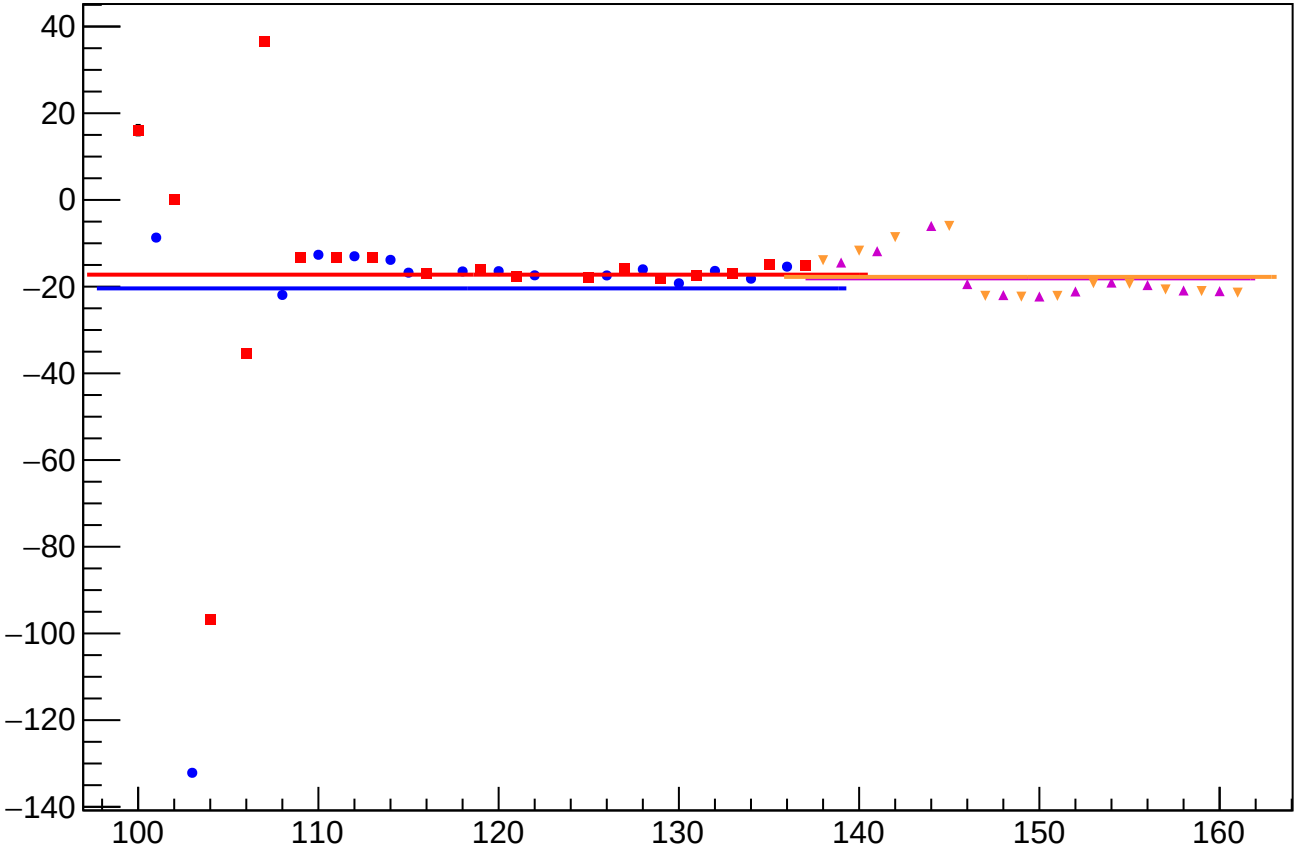
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.135+/-0.404 χ^2/NDF:580.0/26

Out: 35.613+/-0.400 χ^2/NDF:495.3/29

All: 35.376+/-0.284 χ^2/NDF: 1076.0/56

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.750+/-0.022 χ^2/NDF:53497.6/11

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.091+/-0.023 χ^2/NDF:40499.3/10

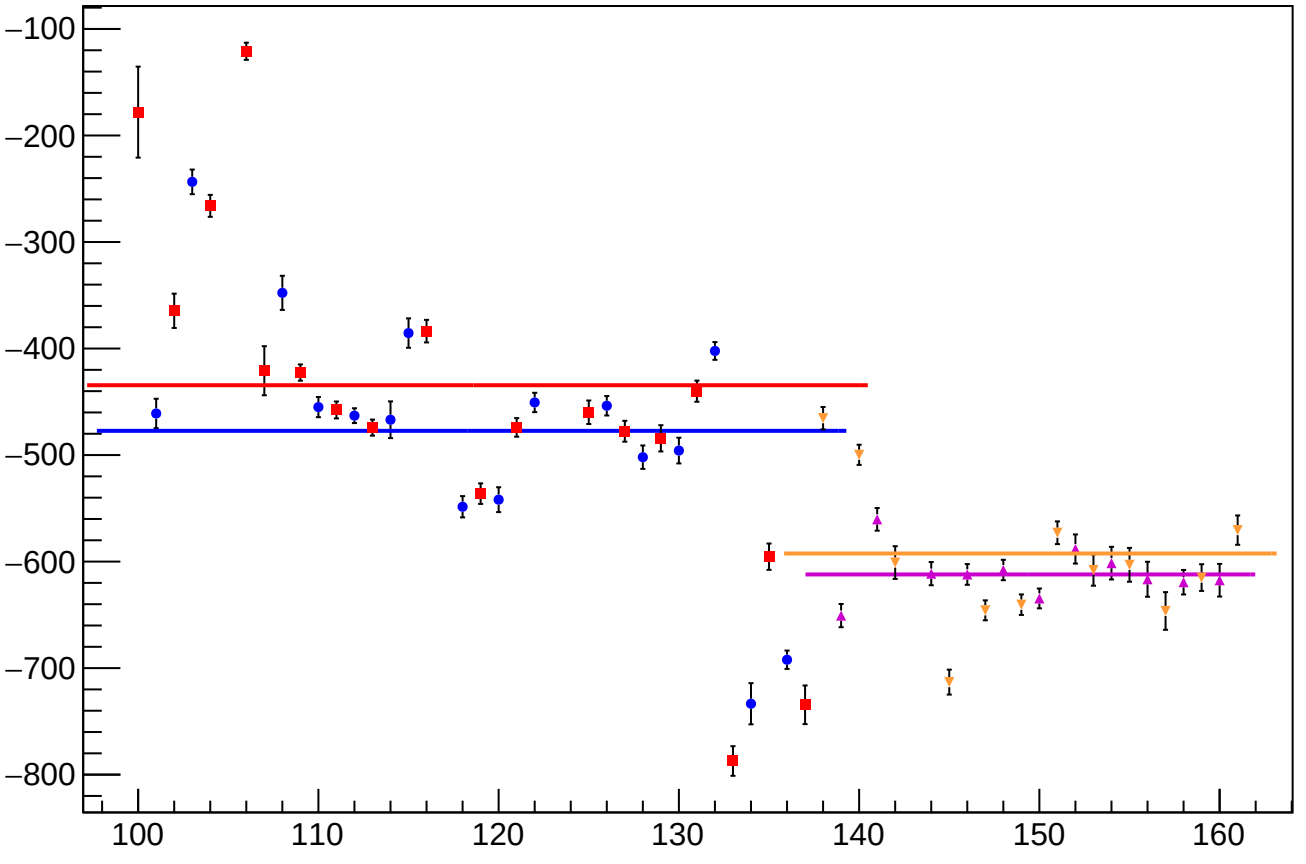
Left: -17.920+/-0.016 χ^2/NDF: 94111.5/22

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.610+/-0.020 χ^2/NDF:288476.2/26

Out: -17.644+/-0.020 χ^2/NDF:258262.5/29

All: -18.131+/-0.014 χ^2/NDF: 547912.8/56



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -592.404+/-3.407 χ^2/NDF:425.7/11

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -612.060+/-3.453 χ^2/NDF:46.4/10

Left: -602.101+/-2.425 χ^2/NDF: 488.5/22

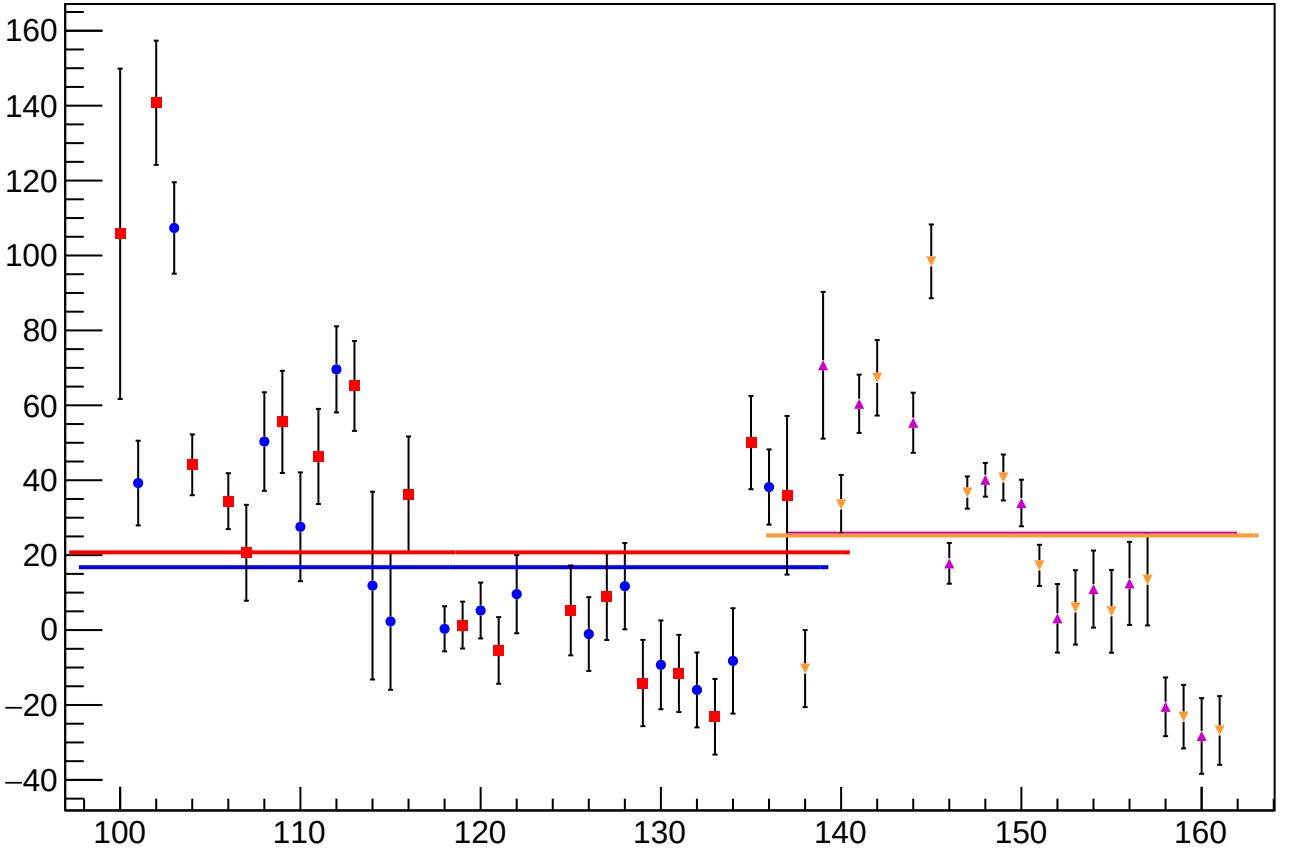
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -526.821+/-2.094 χ^2/NDF:2521.0/26

Out: -488.679+/-1.997 χ^2/NDF:4999.1/29

All: -506.843+/-1.445 χ^2/NDF: 7693.9/56

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 25.272+/-2.180 χ^2/NDF:174.0/11

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 25.751+/-2.239 χ^2/NDF:125.9/10

Left: 25.505+/-1.562 χ^2/NDF: 299.9/22

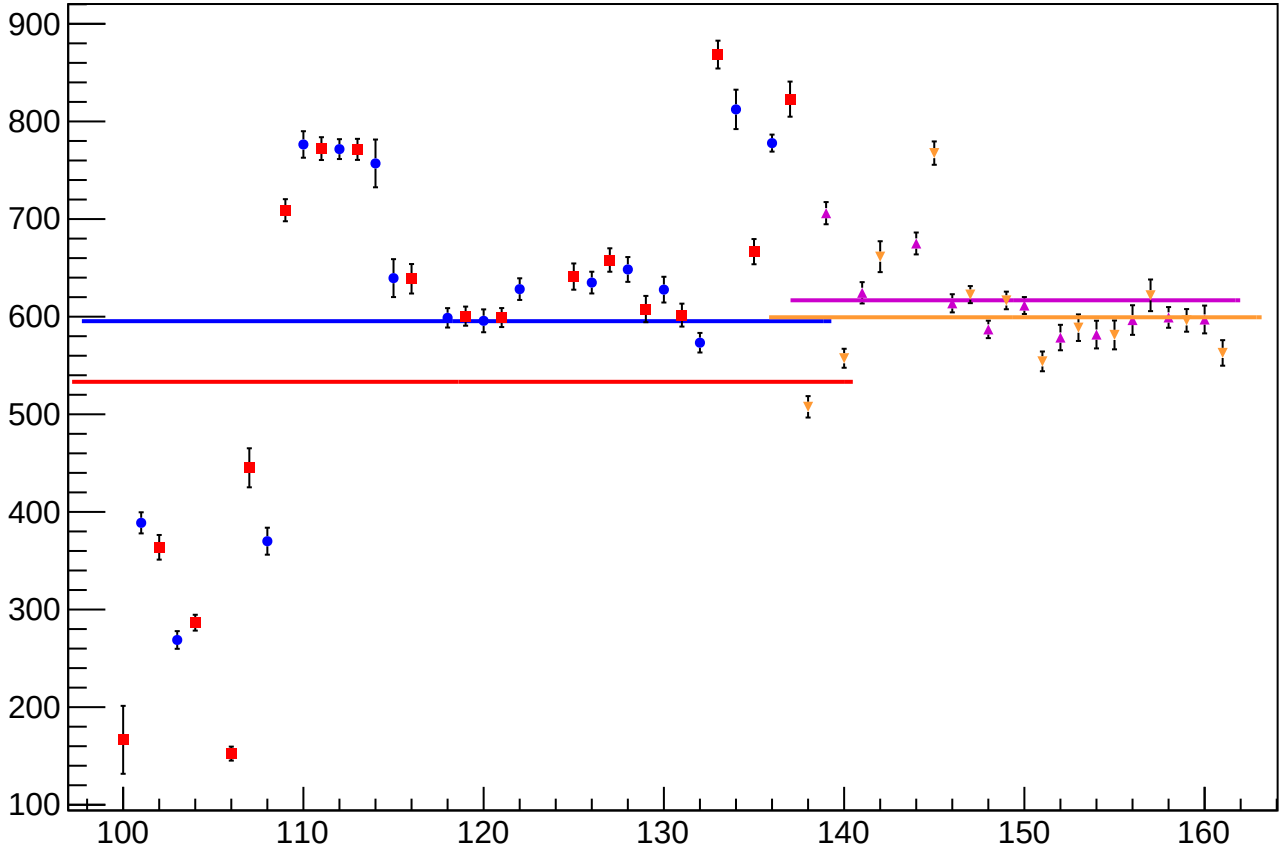
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 22.020+/-1.712 χ^2/NDF:257.5/26

Out: 23.360+/-1.657 χ^2/NDF:333.8/29

All: 22.712+/-1.190 χ^2/NDF: 591.6/56

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: 599.397+/-3.295 χ^2/NDF:344.1/11

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 616.788+/-3.326 χ^2/NDF:121.8/10

Left: 608.011+/-2.341 χ^2/NDF: 479.6/22

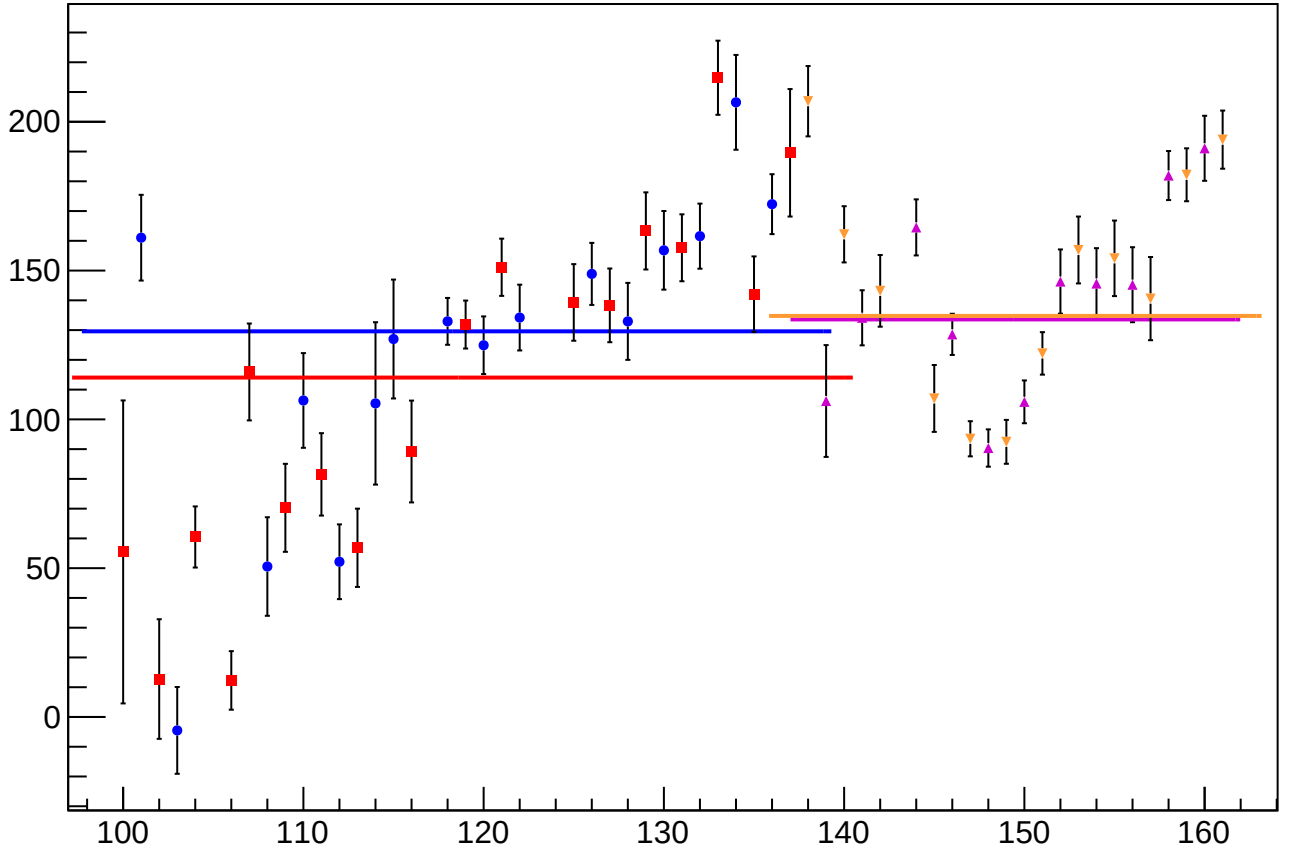
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 604.747+/-2.198 χ^2/NDF:3204.8/26

Out: 560.381+/-2.109 χ^2/NDF:7084.5/29

All: 581.648+/-1.522 χ^2/NDF: 10501.3/56

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: 134.765+/-2.651 χ^2/NDF:208.8/11

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 133.580+/-2.707 χ^2/NDF:141.2/10

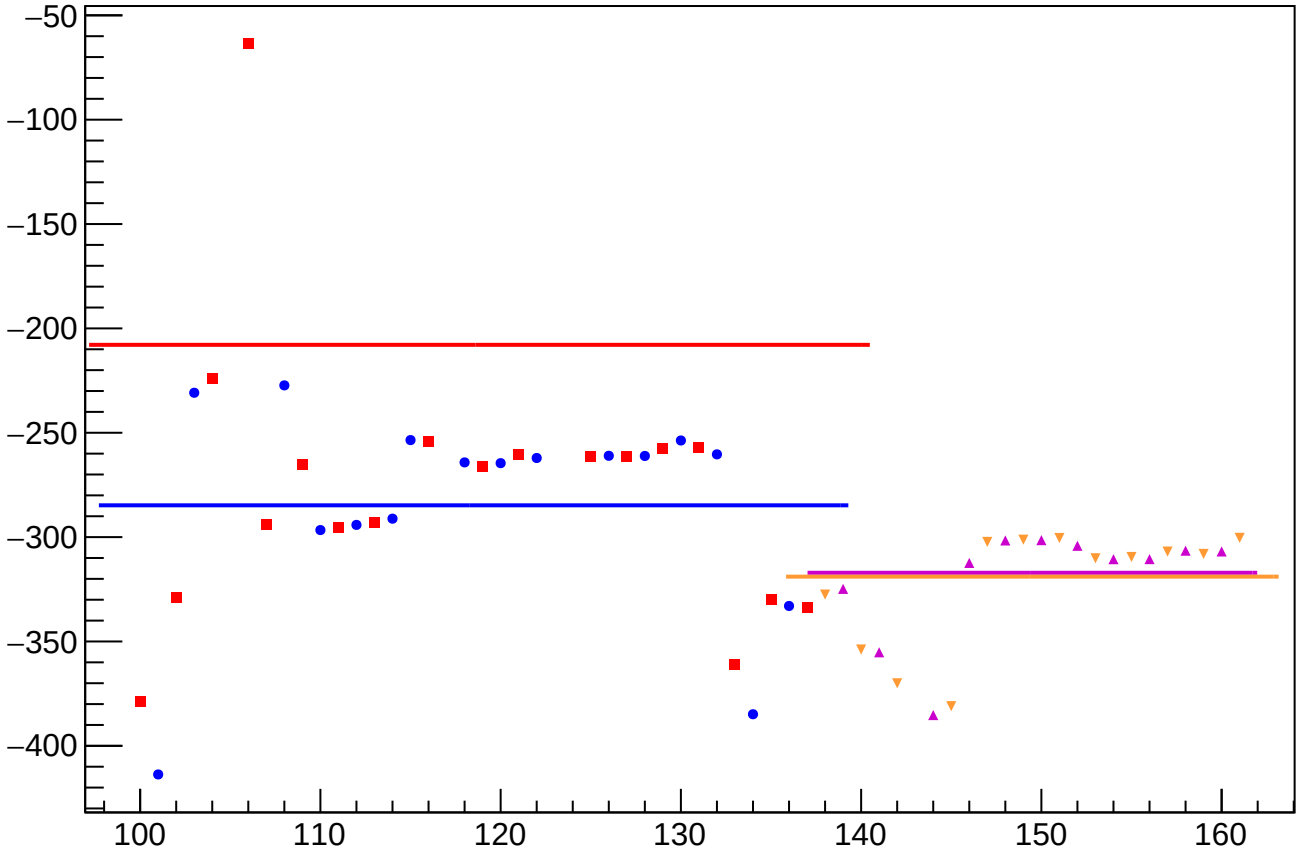
Left: 134.184+/-1.894 χ^2/NDF: 350.1/22

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 131.840+/-2.033 χ^2/NDF:353.4/26

Out: 125.598+/-1.980 χ^2/NDF:571.7/29

All: 128.635+/-1.418 χ^2/NDF: 929.9/56



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -318.941+/-0.129 χ^2/NDF:39915.7/11

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -317.089+/-0.128 χ^2/NDF:32287.1/10

Left: -318.006+/-0.091 χ^2/NDF: 72306.9/22

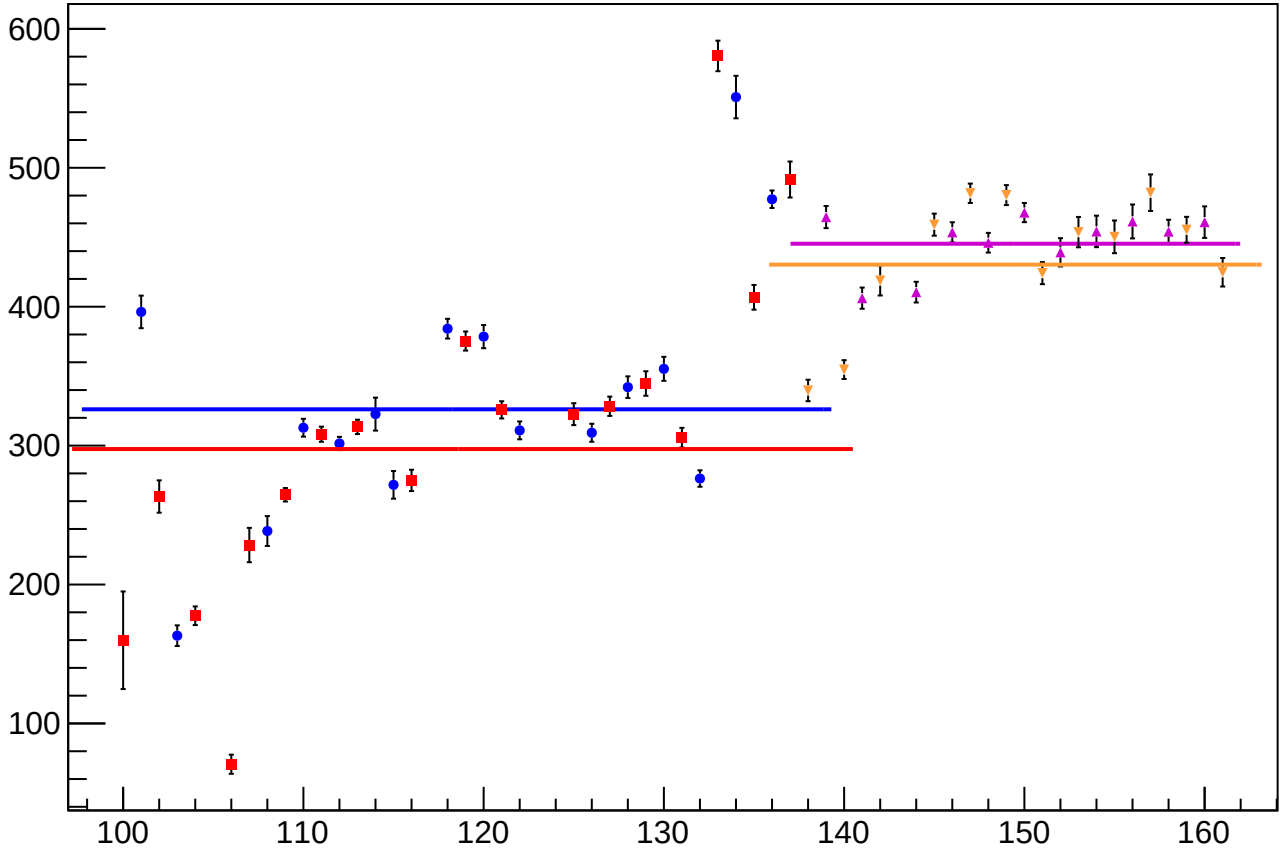
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.070+/-0.104 χ^2/NDF:158503.3/26

Out: -271.339+/-0.097 χ^2/NDF:894792.8/29

All: -287.631+/-0.071 χ^2/NDF: 1112891.5/56

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 430.276+/-2.489 χ^2/NDF:410.3/11

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 445.327+/-2.527 χ^2/NDF:71.6/10

Left: 437.688+/-1.774 χ^2/NDF: 499.9/22

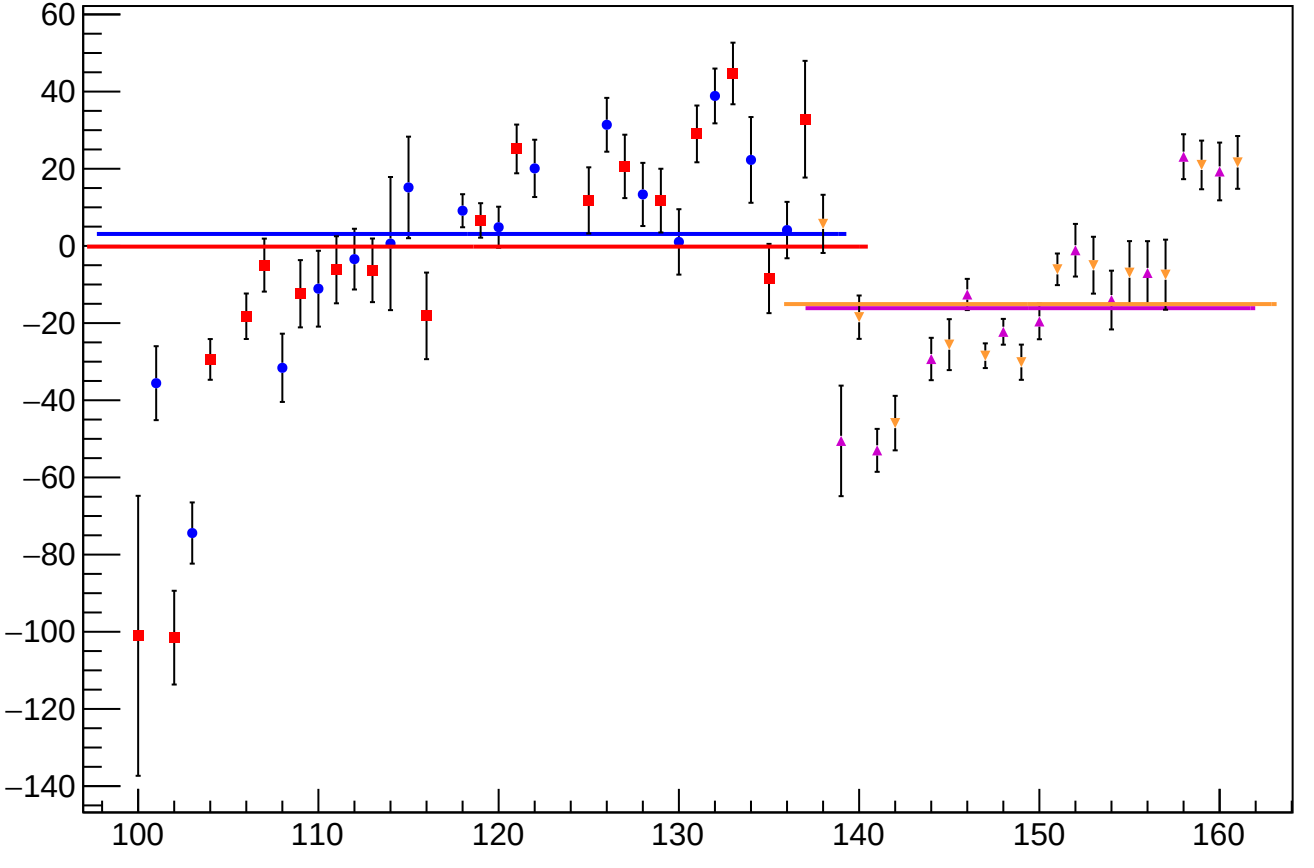
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 367.917+/-1.496 χ^2/NDF:3159.2/26

Out: 340.920+/-1.423 χ^2/NDF:5099.5/29

All: 353.743+/-1.031 χ^2/NDF: 8429.6/56

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: -15.073+/-1.603 χ^2/NDF:127.9/11

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -16.134+/-1.647 χ^2/NDF:134.1/10

Left: -15.589+/-1.149 χ^2/NDF: 262.2/22

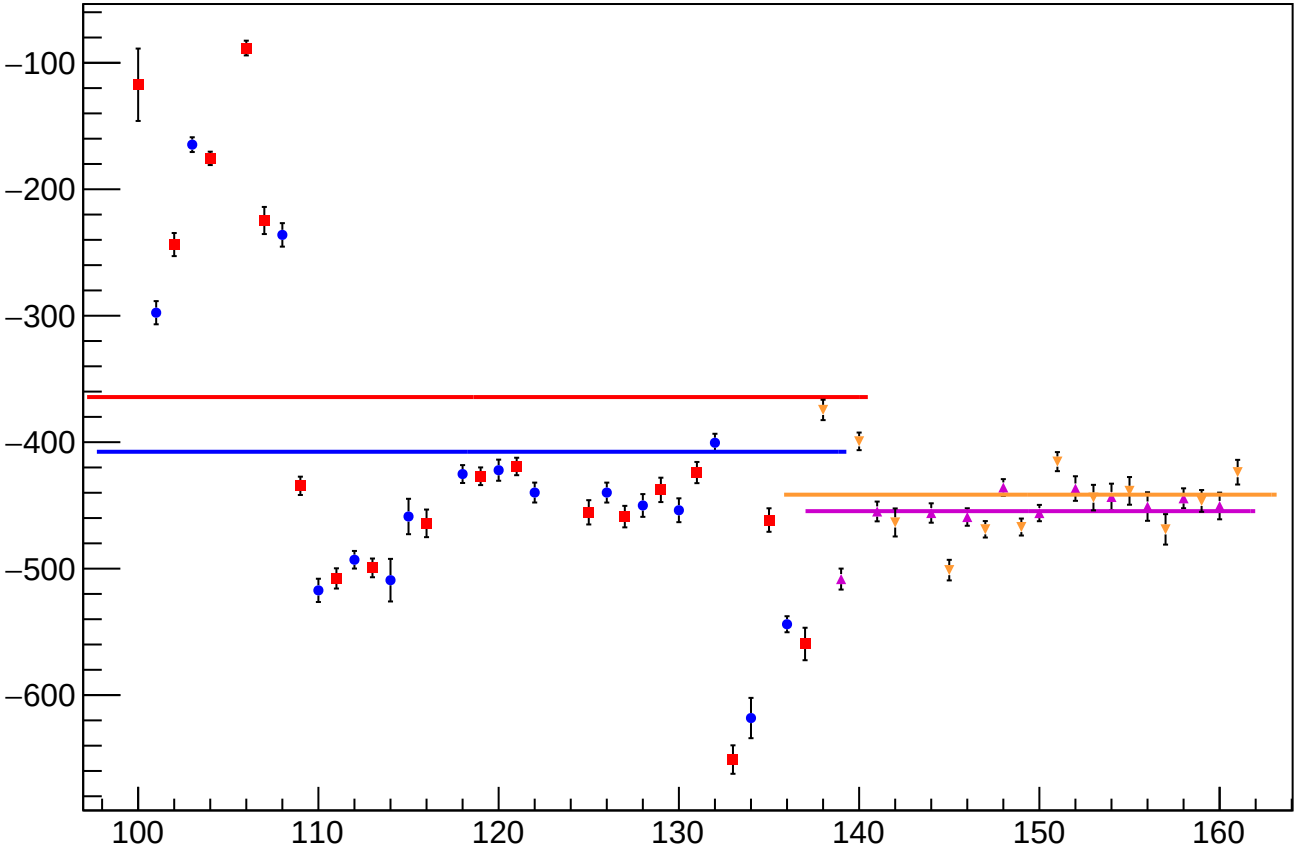
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -7.843+/-1.242 χ^2/NDF:377.4/26

Out: -8.451+/-1.194 χ^2/NDF:371.5/29

All: -8.159+/-0.861 χ^2/NDF: 749.0/56

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: -441.508+/-2.413 χ^2/NDF:216.8/11

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.539+/-2.439 χ^2/NDF:56.9/10

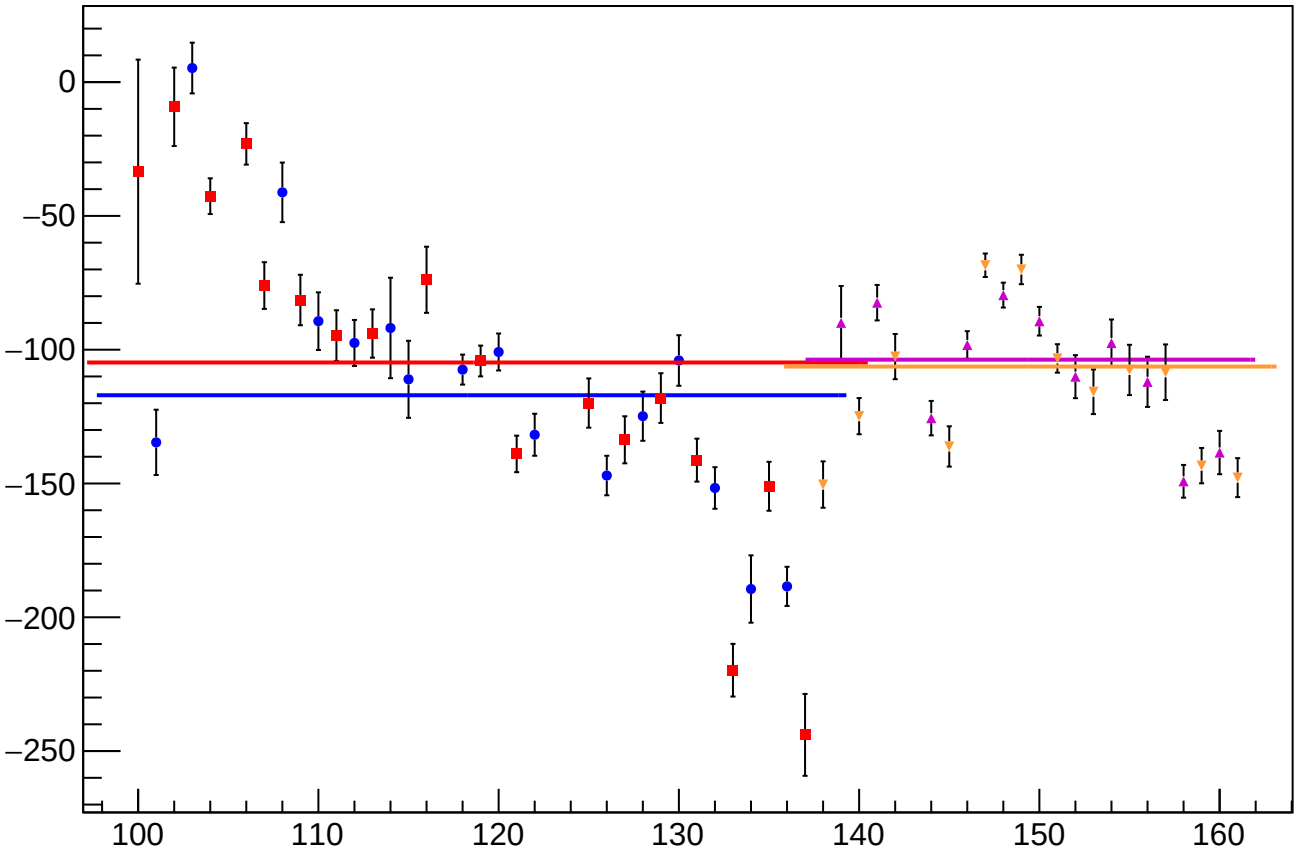
Left: -447.954+/-1.715 χ^2/NDF: 288.1/22

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -427.281+/-1.580 χ^2/NDF:3552.6/26

Out: -394.671+/-1.513 χ^2/NDF:7058.1/29

All: -410.272+/-1.093 χ^2/NDF: 10832.9/56



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -106.297+/-1.947 χ^2/NDF:232.6/11

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -103.725+/-1.989 χ^2/NDF:133.5/10

Left: -105.039+/-1.391 χ^2/NDF: 367.0/22

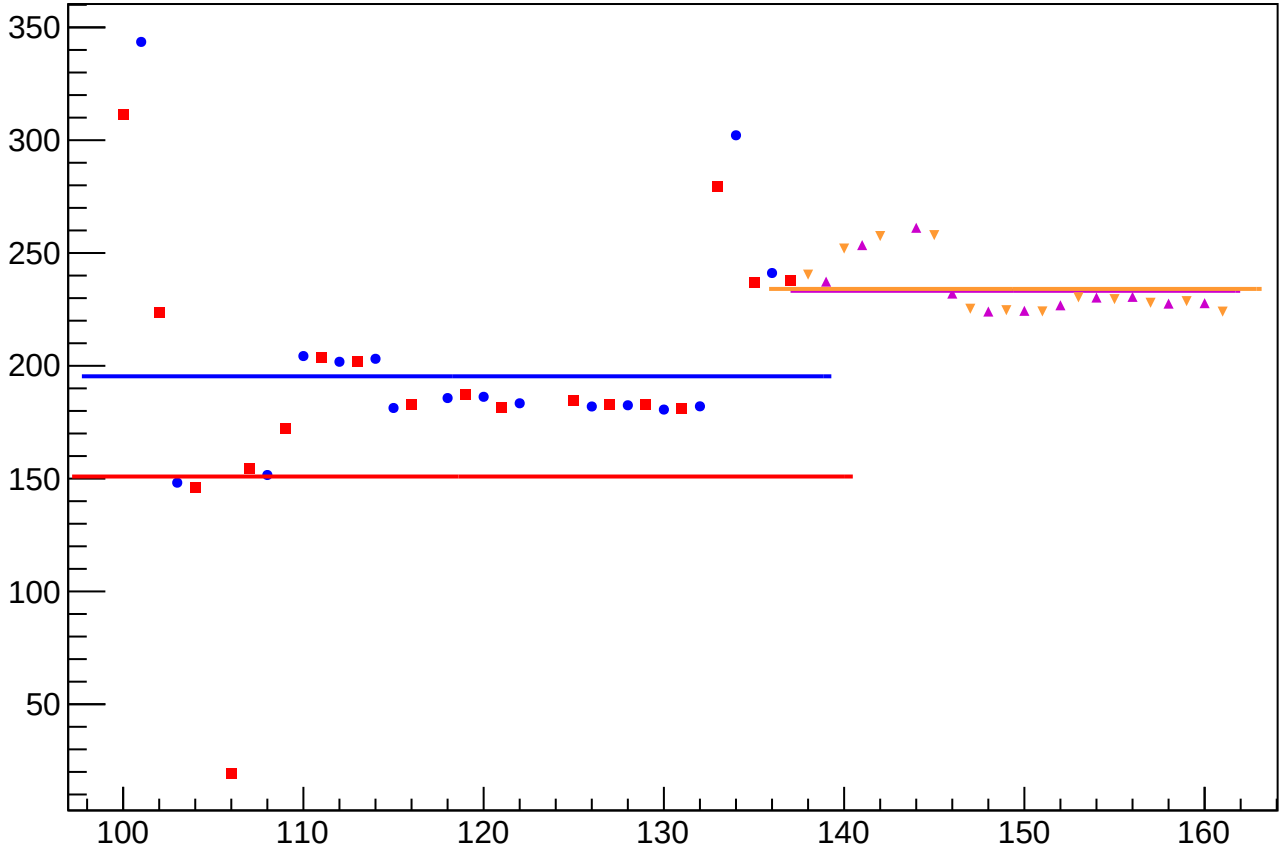
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -109.722+/-1.474 χ^2/NDF:561.5/26

Out: -105.592+/-1.425 χ^2/NDF:808.0/29

All: -107.588+/-1.024 χ^2/NDF: 1373.6/56

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 234.084+/-0.095 χ^2/NDF:16661.7/11

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.242+/-0.094 χ^2/NDF:14251.3/10

Left: 233.660+/-0.067 χ^2/NDF: 30952.9/22

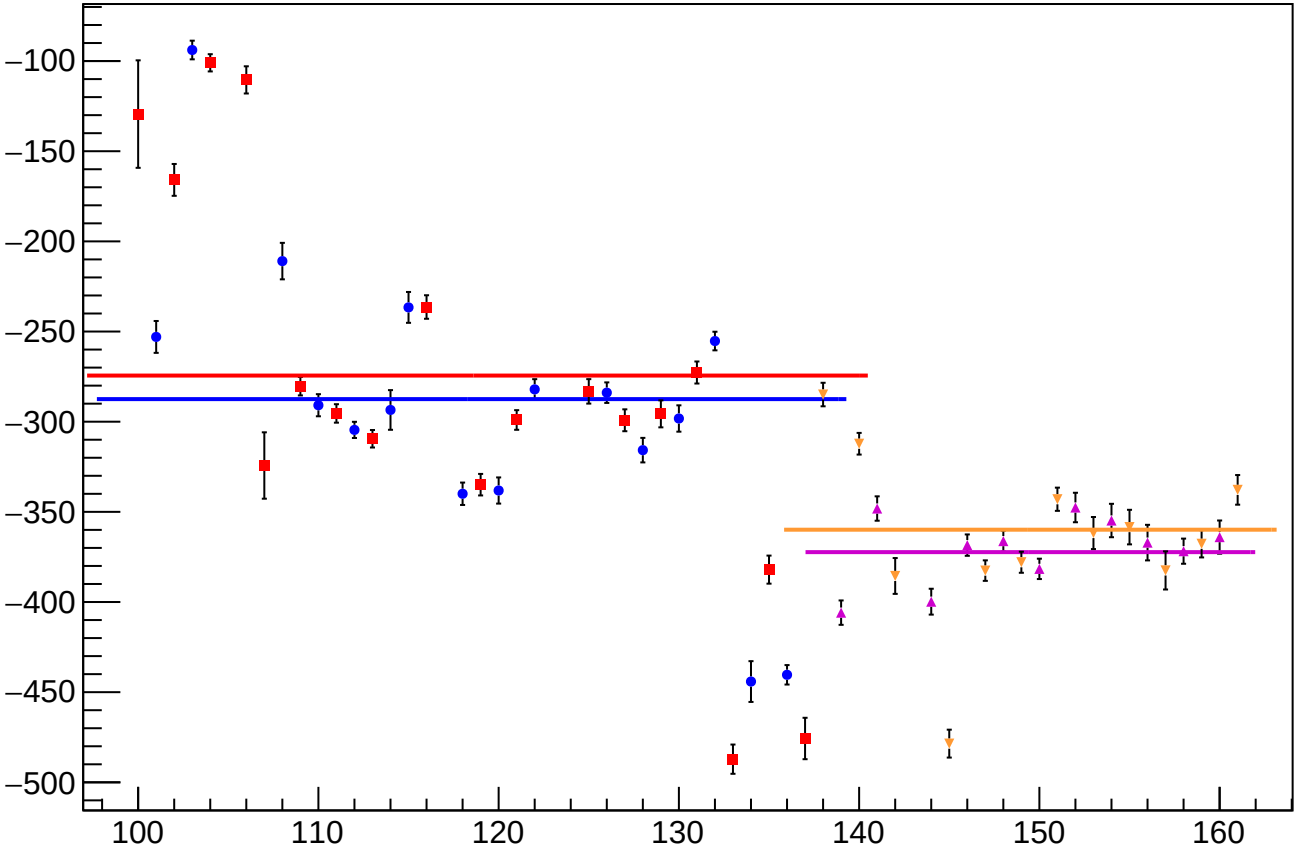
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.532+/-0.075 χ^2/NDF:250215.6/26

Out: 198.818+/-0.072 χ^2/NDF:843961.9/29

All: 208.721+/-0.052 χ^2/NDF: 1134025.2/56

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: -359.899+/-2.098 χ^2/NDF:482.1/11

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.339+/-2.123 χ^2/NDF:70.2/10

Left: -366.045+/-1.493 χ^2/NDF: 569.7/22

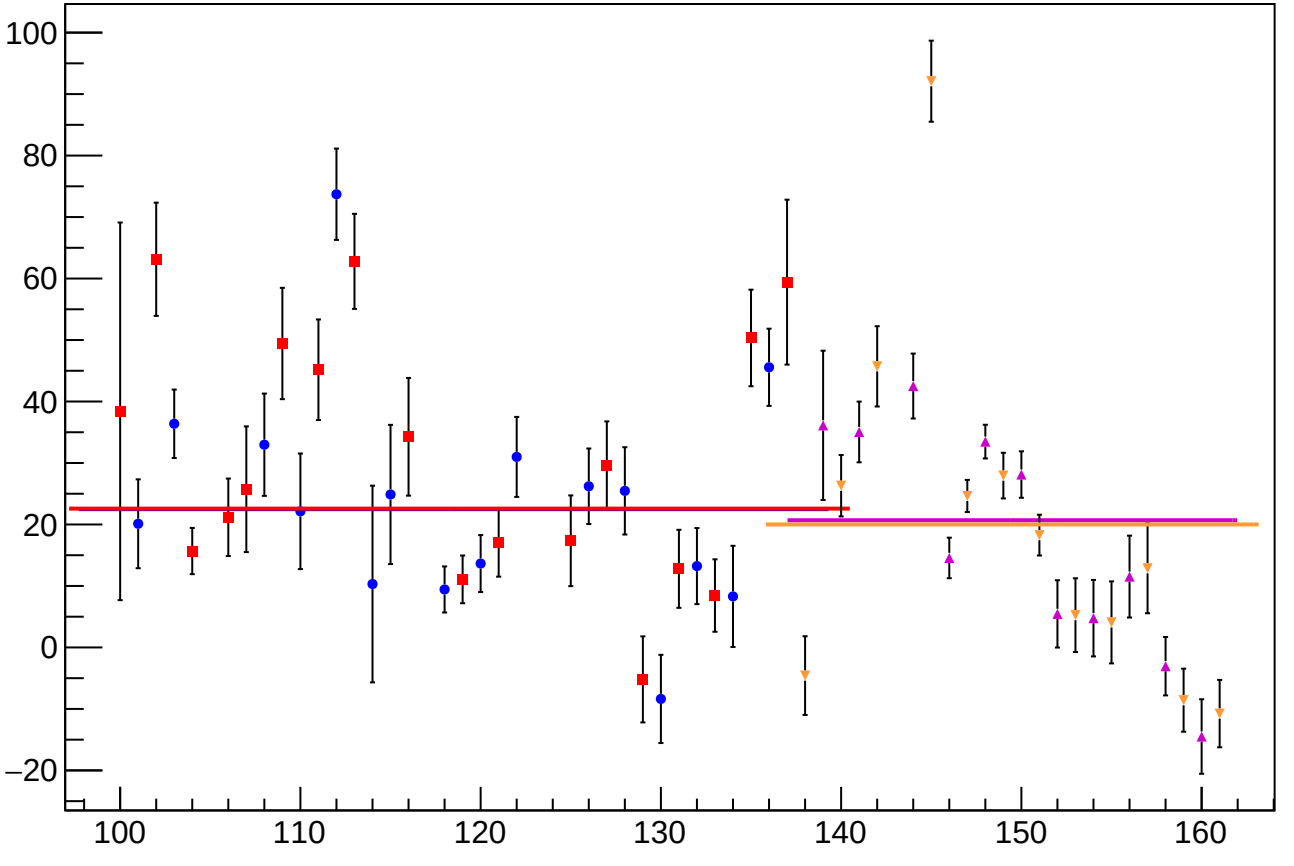
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -318.484+/-1.284 χ^2/NDF:3780.3/26

Out: -304.629+/-1.247 χ^2/NDF:4968.6/29

All: -311.359+/-0.895 χ^2/NDF: 8808.8/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 20.004+/-1.335 χ^2/NDF:234.7/11

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 20.689+/-1.371 χ^2/NDF:131.1/10

Left: 20.337+/-0.956 χ^2/NDF: 366.0/22

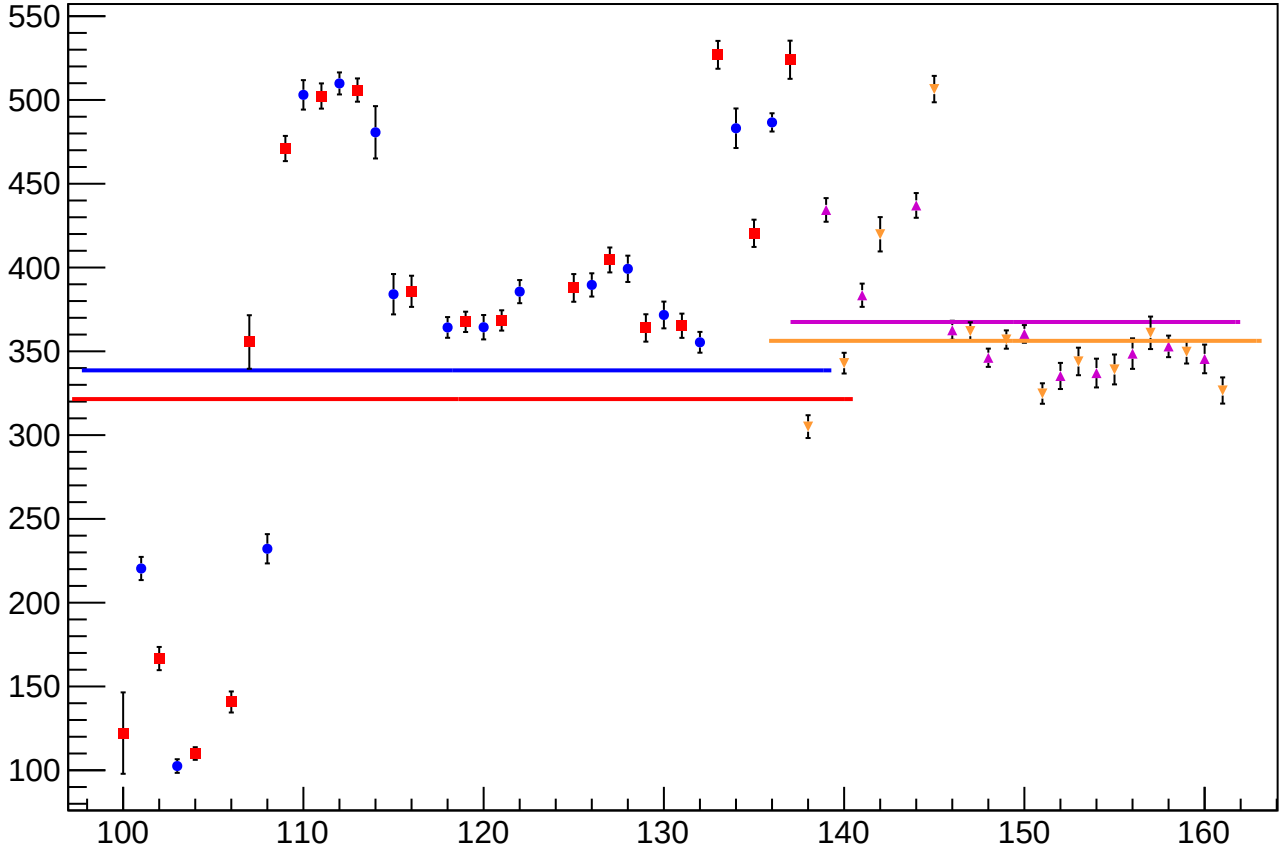
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 21.441+/-1.047 χ^2/NDF:243.2/26

Out: 21.085+/-1.017 χ^2/NDF:359.6/29

All: 21.258+/-0.729 χ^2/NDF: 602.9/56

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: 356.251+/-2.024 χ^2/NDF:512.6/11

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 367.501+/-2.041 χ^2/NDF:247.5/10

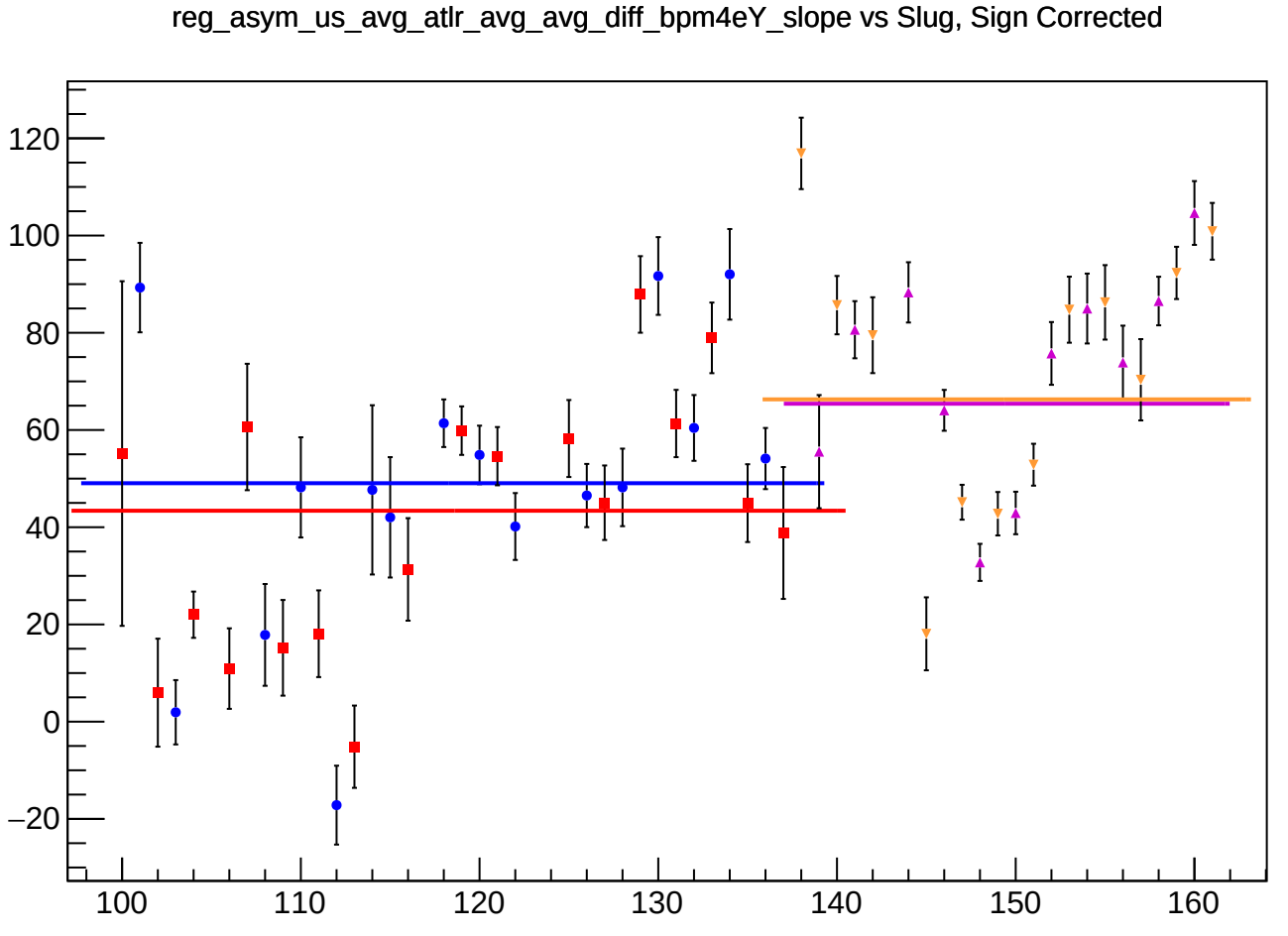
Left: 361.829+/-1.437 χ^2/NDF: 775.4/22

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.847+/-1.328 χ^2/NDF:6405.5/26

Out: 335.815+/-1.299 χ^2/NDF:8406.7/29

All: 343.167+/-0.929 χ^2/NDF: 14877.7/56



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 66.301+/-1.624 χ^2/NDF:247.2/11

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 65.404+/-1.657 χ^2/NDF:185.7/10

Left: 65.862+/-1.160 χ^2/NDF: 433.1/22

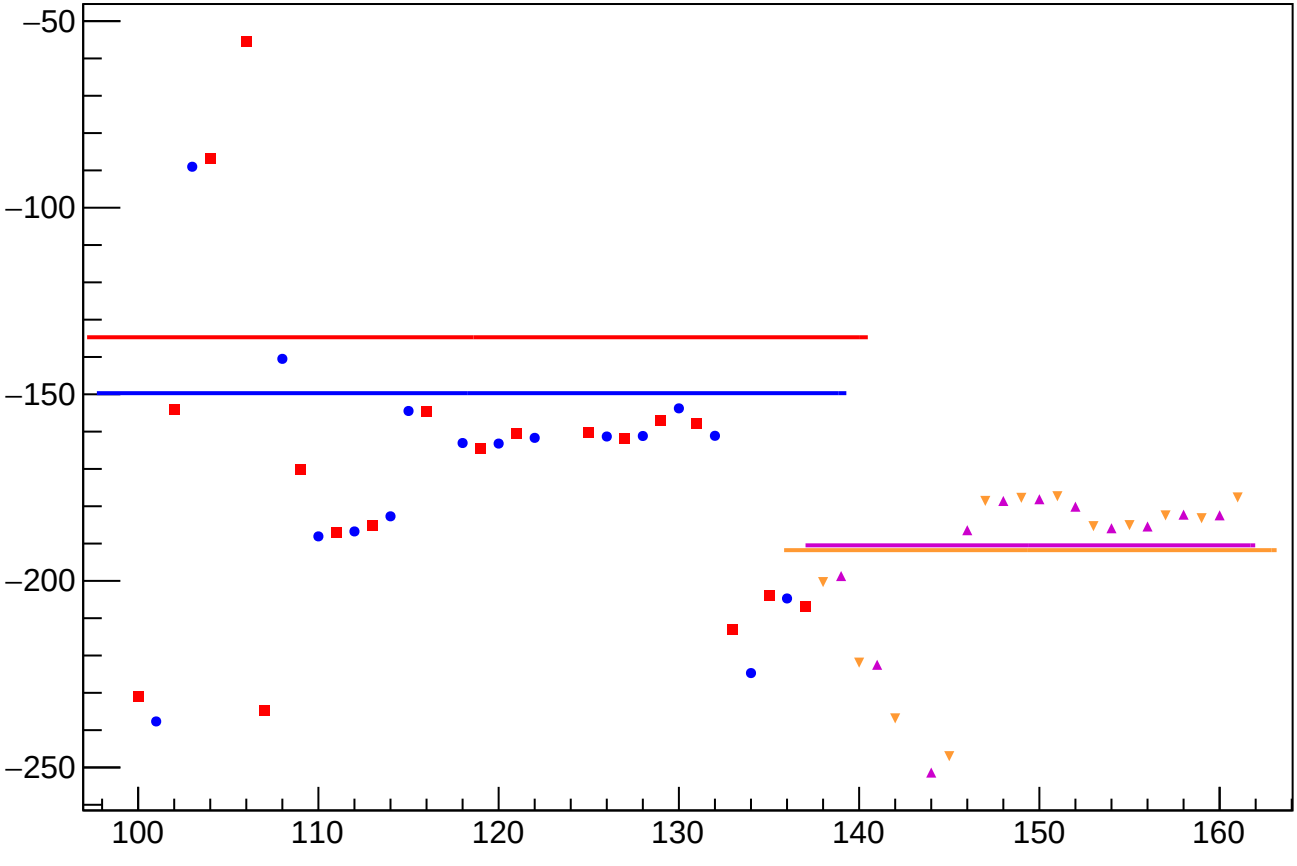
Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 58.264+/-1.244 χ^2/NDF:436.2/26

Out: 56.232+/-1.216 χ^2/NDF:514.7/29

All: 57.225+/-0.869 χ^2/NDF: 952.2/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -191.767+/-0.079 χ^2/NDF:71935.4/11

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -190.475+/-0.078 χ^2/NDF:57981.1/10

Left: -191.114+/-0.056 χ^2/NDF: 130051.8/22

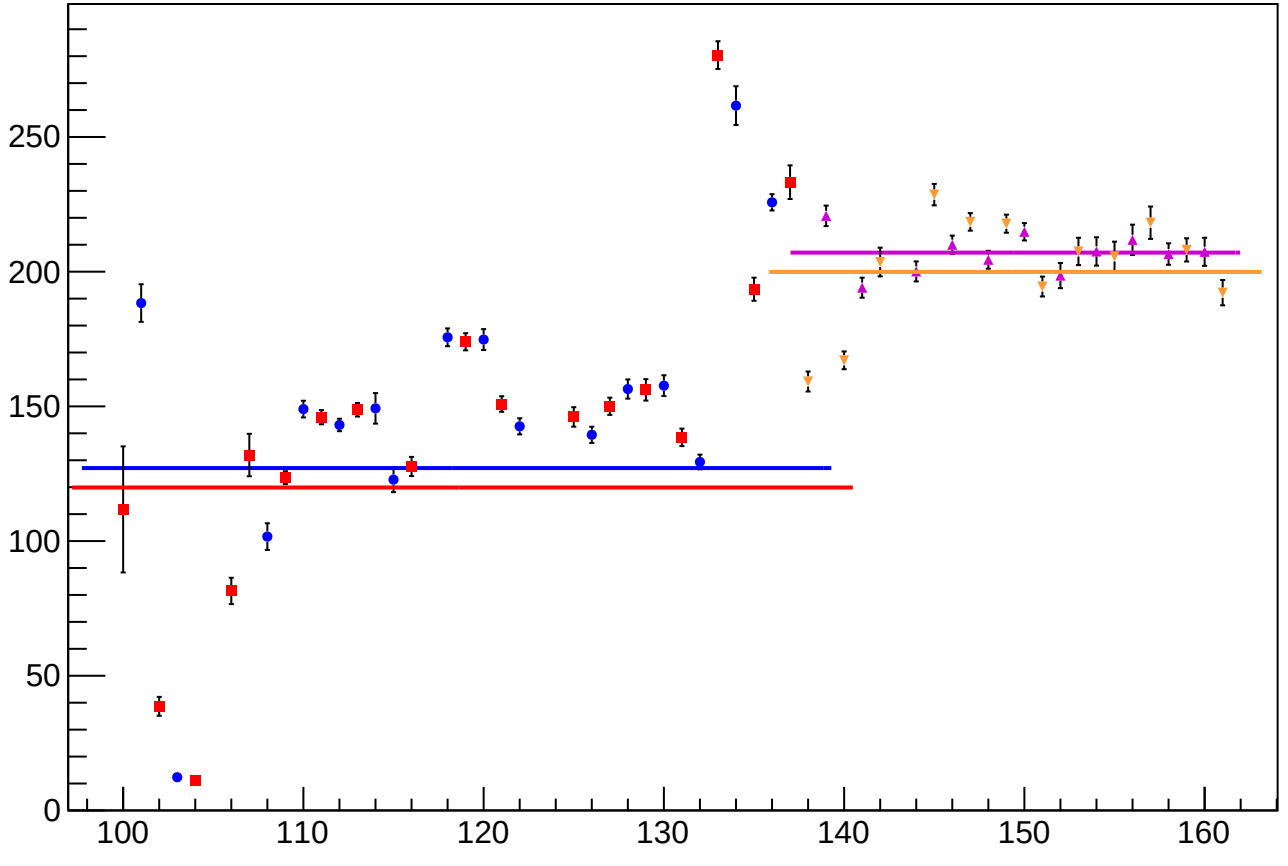
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.171+/-0.062 χ^2/NDF:416640.7/26

Out: -169.026+/-0.061 χ^2/NDF:592644.3/29

All: -172.072+/-0.043 χ^2/NDF: 1014275.7/56

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.914+/-1.179 χ^2/NDF:353.6/11

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.082+/-1.195 χ^2/NDF:39.8/10

Left: 203.452+/-0.839 χ^2/NDF: 411.7/22

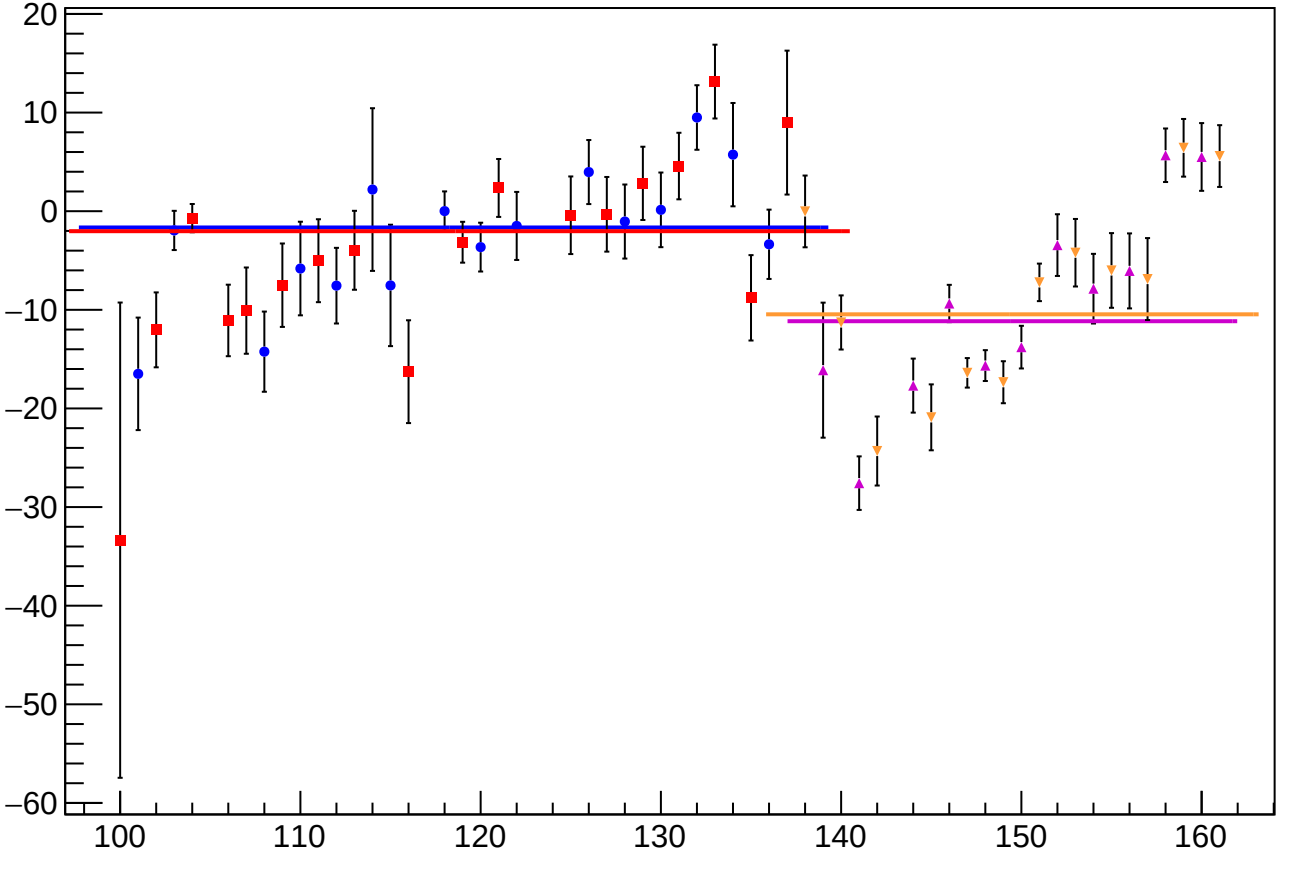
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.318+/-0.671 χ^2/NDF:9271.0/26

Out: 143.985+/-0.647 χ^2/NDF:10220.7/29

All: 148.001+/-0.466 χ^2/NDF: 19571.6/56

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: -10.456+/-0.755 χ^2/NDF:127.9/11

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -11.155+/-0.775 χ^2/NDF:124.1/10

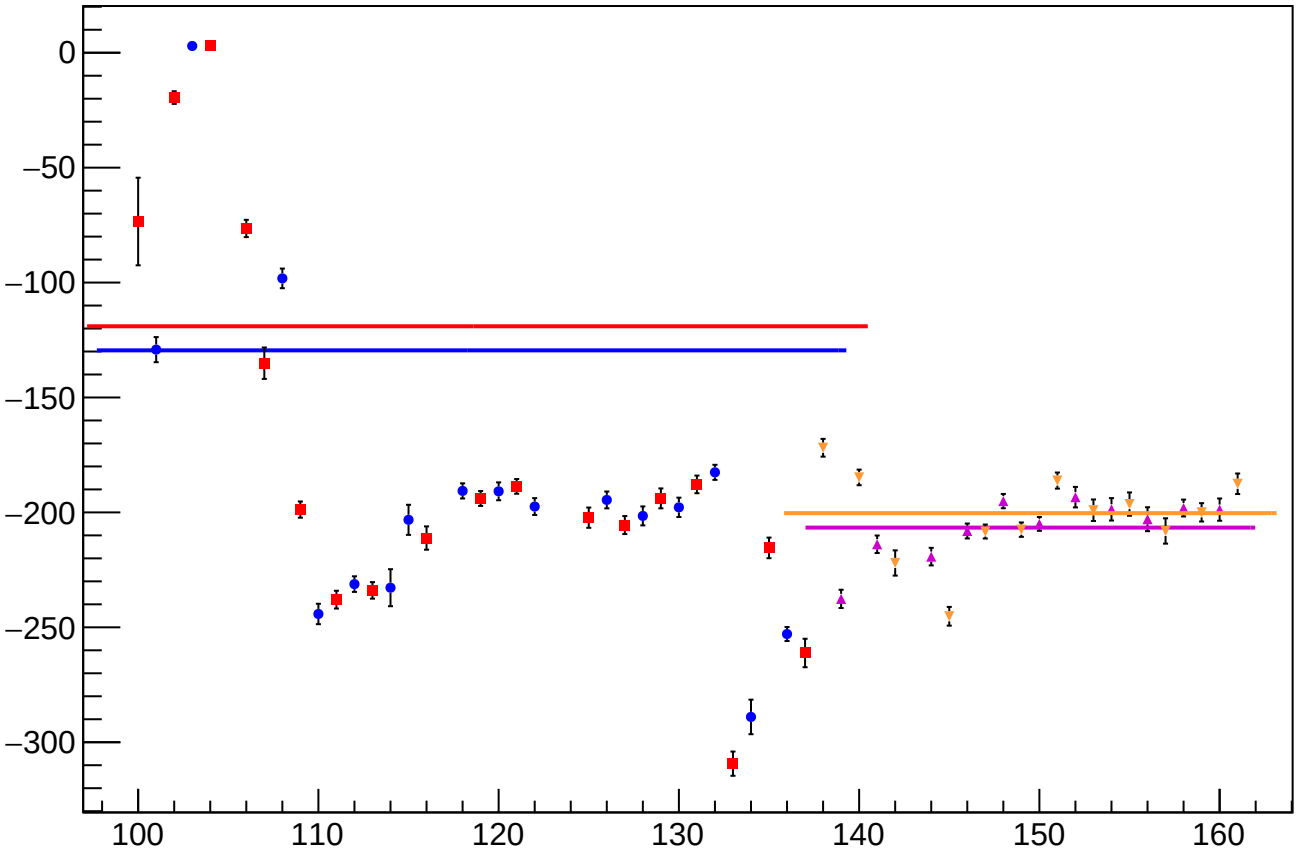
Left: -10.796+/-0.541 χ^2/NDF: 252.4/22

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -6.743+/-0.567 χ^2/NDF:233.0/26

Out: -6.326+/-0.539 χ^2/NDF:247.5/29

All: -6.524+/-0.391 χ^2/NDF: 480.8/56



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.324+/-1.140 χ^2/NDF:251.4/11

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -206.618+/-1.151 χ^2/NDF:109.9/10

Left: -203.442+/-0.810 χ^2/NDF: 376.4/22

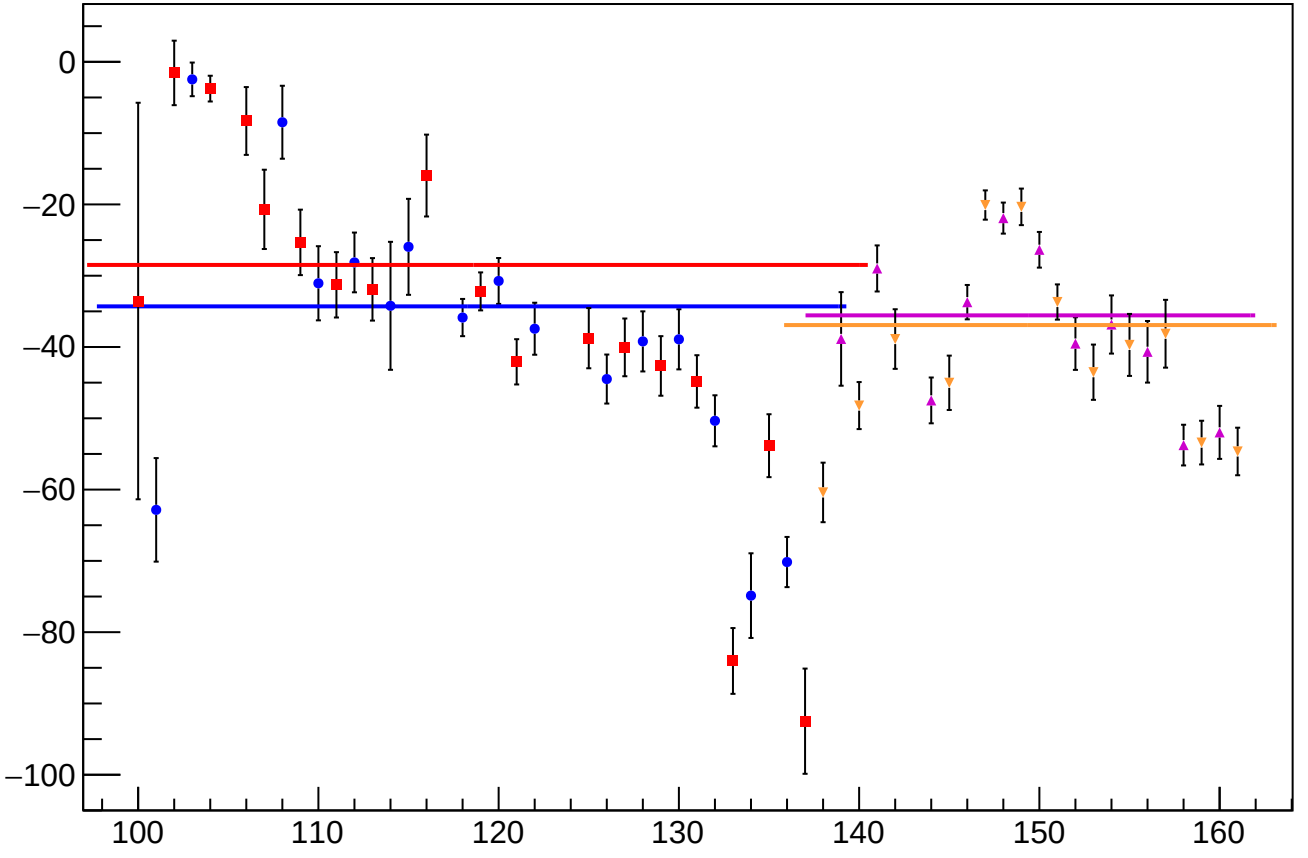
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.567+/-0.682 χ^2/NDF:17712.0/26

Out: -146.411+/-0.662 χ^2/NDF:19799.3/29

All: -151.338+/-0.475 χ^2/NDF: 37625.5/56

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -36.923+/-0.917 χ^2/NDF:219.4/11

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -35.562+/-0.936 χ^2/NDF:134.3/10

Left: -36.257+/-0.655 χ^2/NDF: 354.8/22

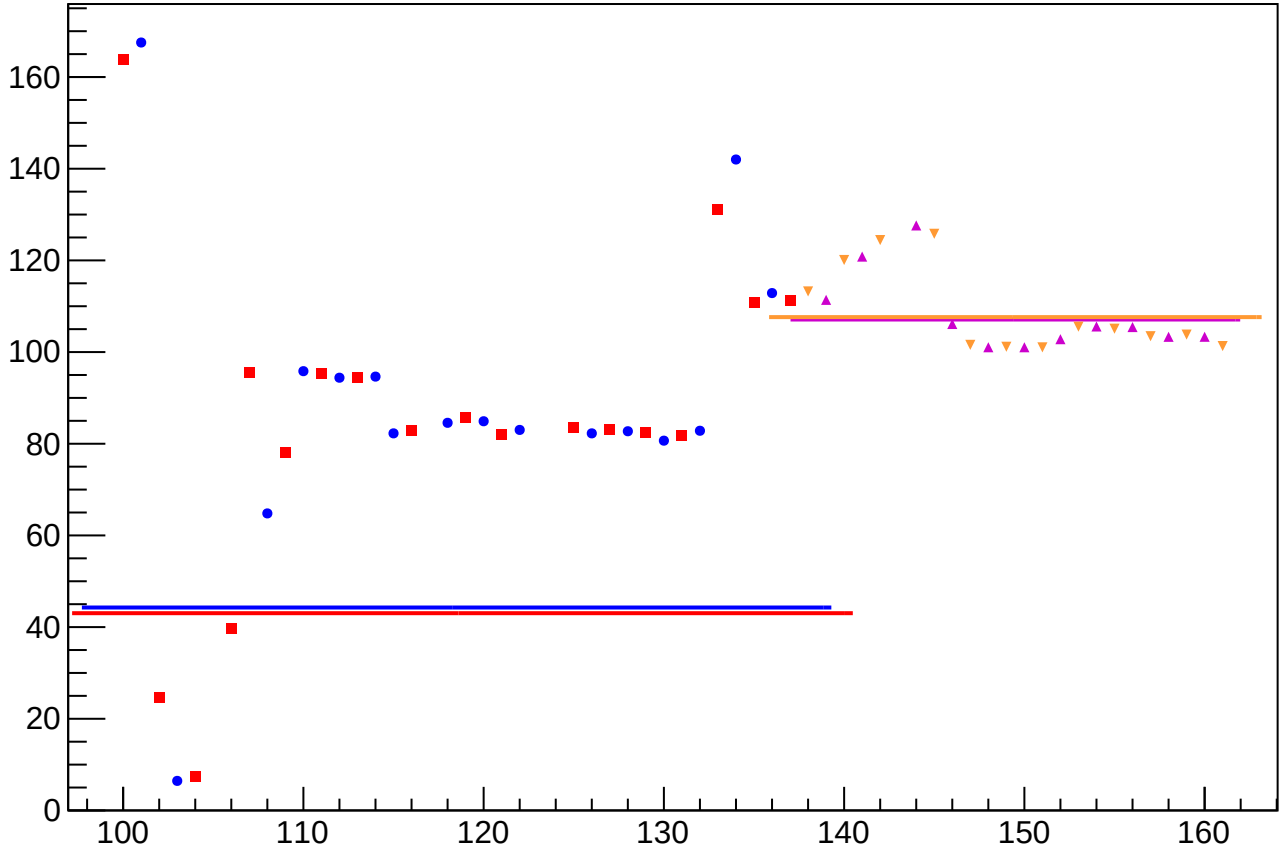
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.952+/-0.673 χ^2/NDF:546.5/26

Out: -32.657+/-0.645 χ^2/NDF:830.2/29

All: -33.756+/-0.466 χ^2/NDF: 1382.7/56

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.625+/-0.045 χ^2/NDF:36281.8/11

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.101+/-0.044 χ^2/NDF:30031.5/10

Left: 107.361+/-0.031 χ^2/NDF: 66382.9/22

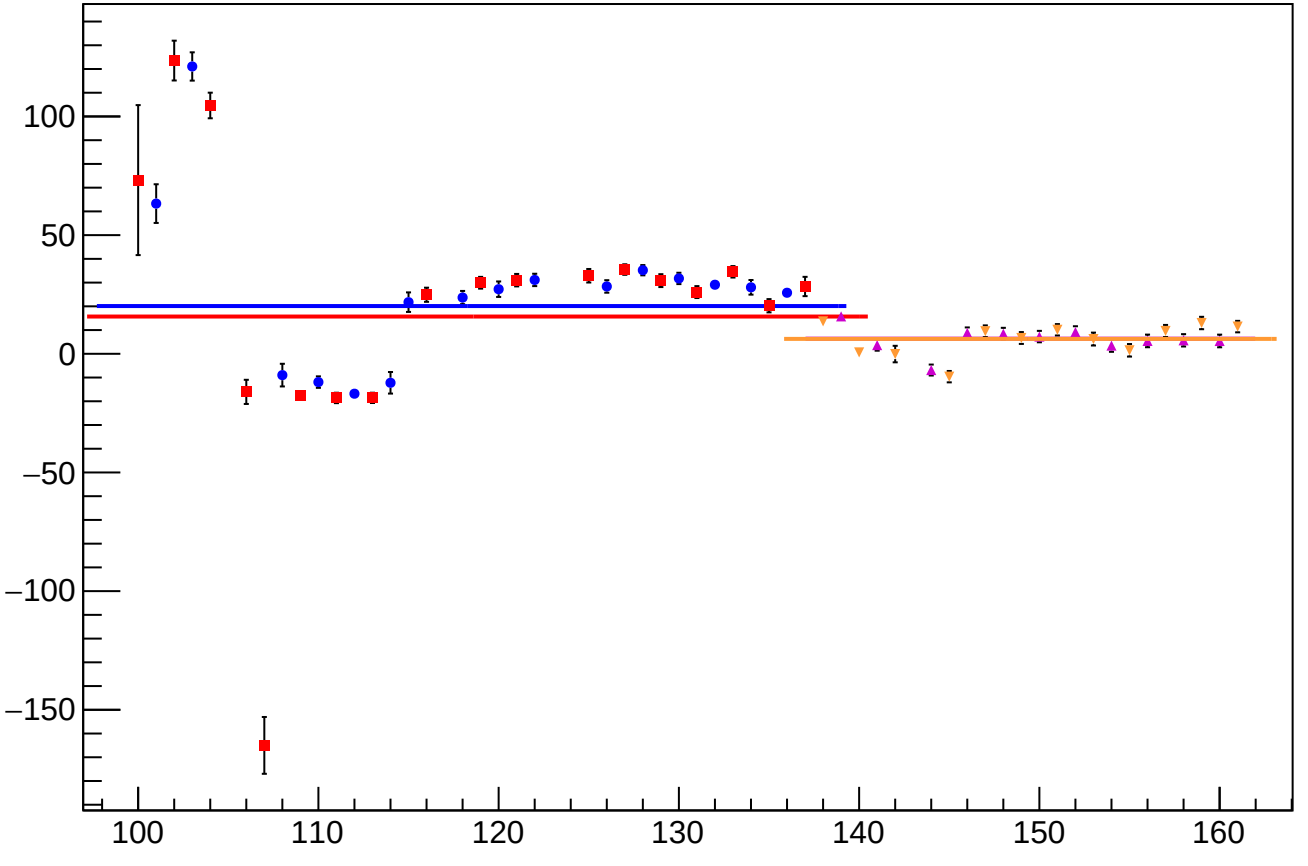
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 76.243+/-0.031 χ^2/NDF:2109563.7/26

Out: 75.692+/-0.032 χ^2/NDF:1881386.0/29

All: 75.969+/-0.022 χ^2/NDF: 3991101.8/56

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.283+/-0.713 χ^2/NDF:87.9/11

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.370+/-0.728 χ^2/NDF:60.9/10

Left: 6.325+/-0.509 χ^2/NDF: 148.8/22

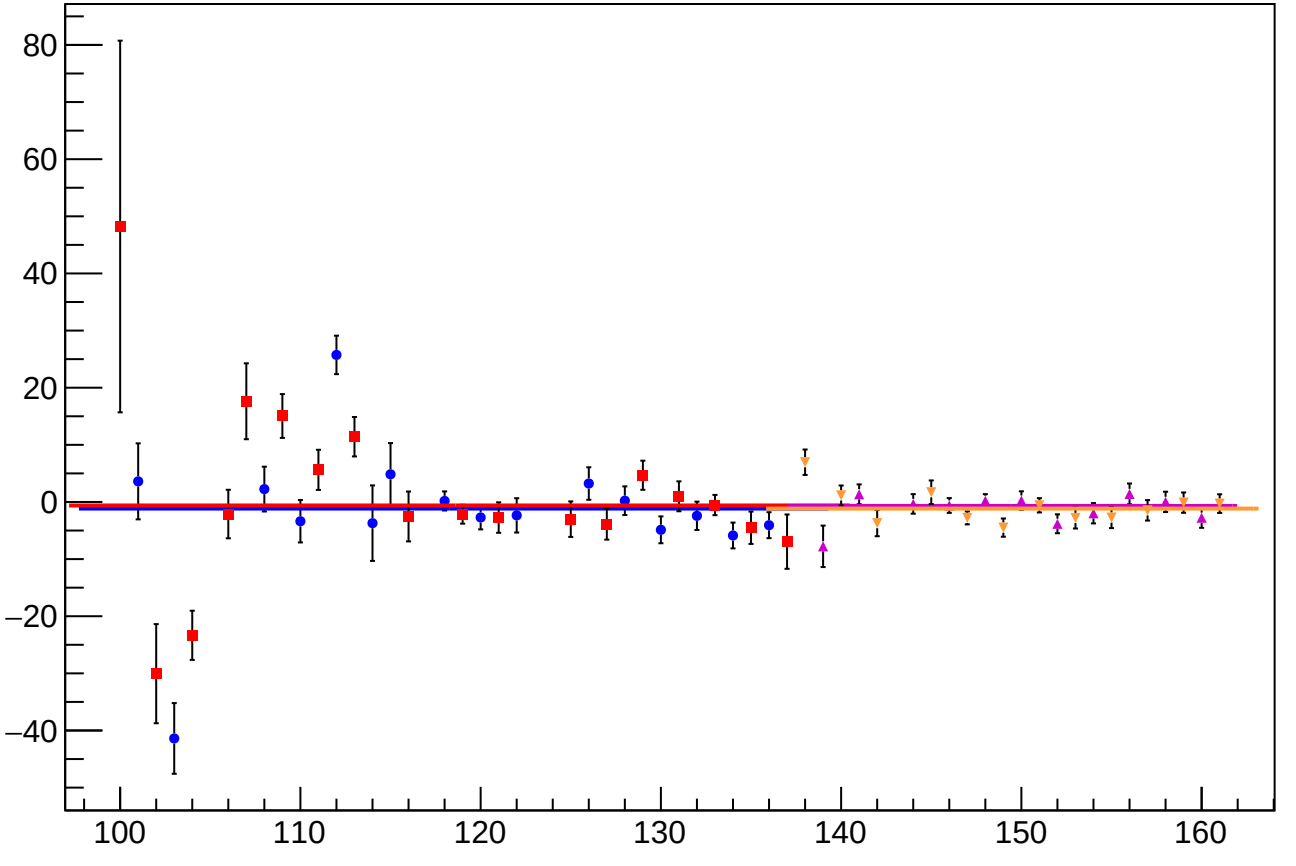
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.642+/-0.500 χ^2/NDF:1297.6/26

Out: 11.200+/-0.493 χ^2/NDF:1952.8/29

All: 12.404+/-0.351 χ^2/NDF: 3262.5/56

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.157+/-0.480 χ^2/NDF:27.0/11

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.697+/-0.495 χ^2/NDF:13.1/10

Left: -0.934+/-0.344 χ^2/NDF: 40.5/22

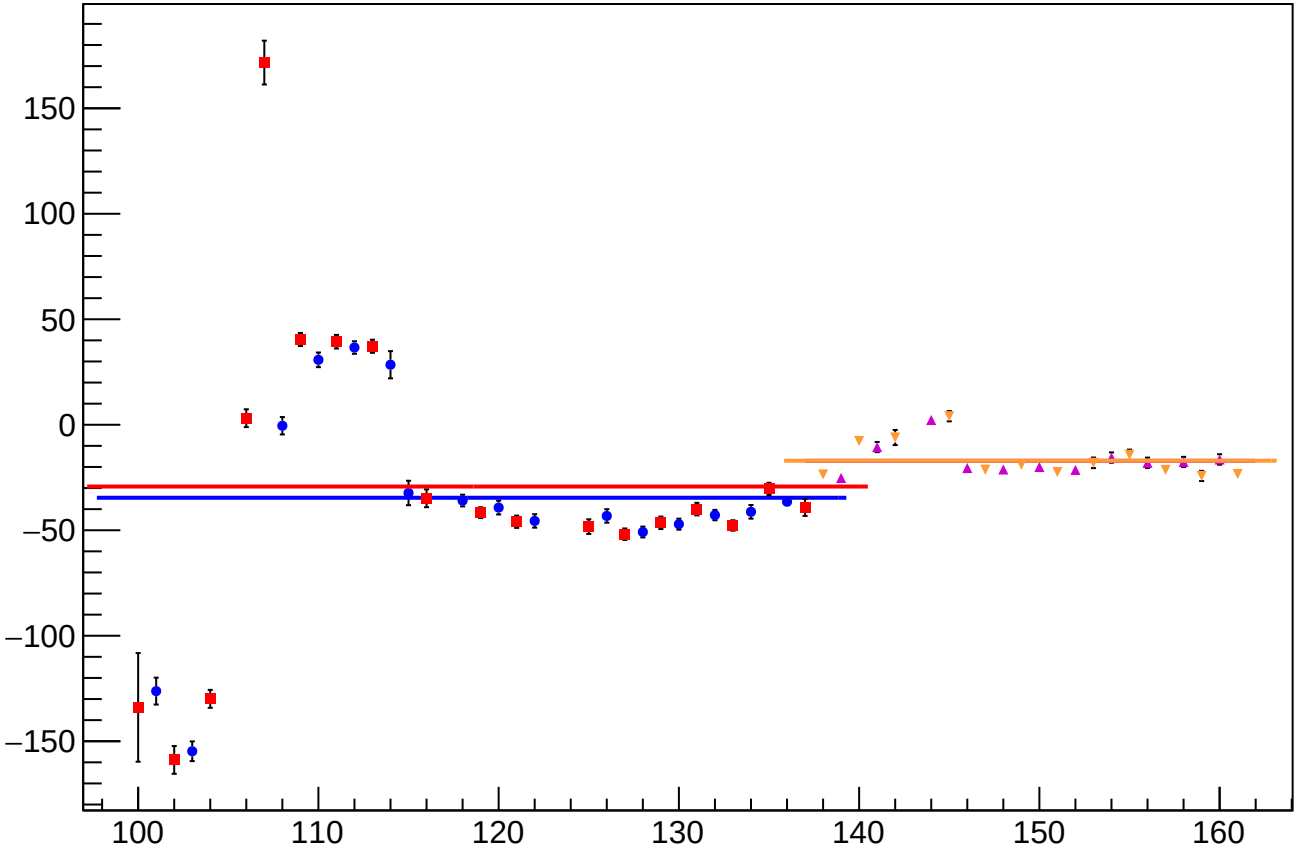
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.848+/-0.404 χ^2/NDF:135.2/26

Out: -0.988+/-0.398 χ^2/NDF:120.7/29

All: -0.919+/-0.283 χ^2/NDF: 256.0/56

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: -17.042+/-0.690 χ^2/NDF:143.0/11

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.106+/-0.703 χ^2/NDF:100.0/10

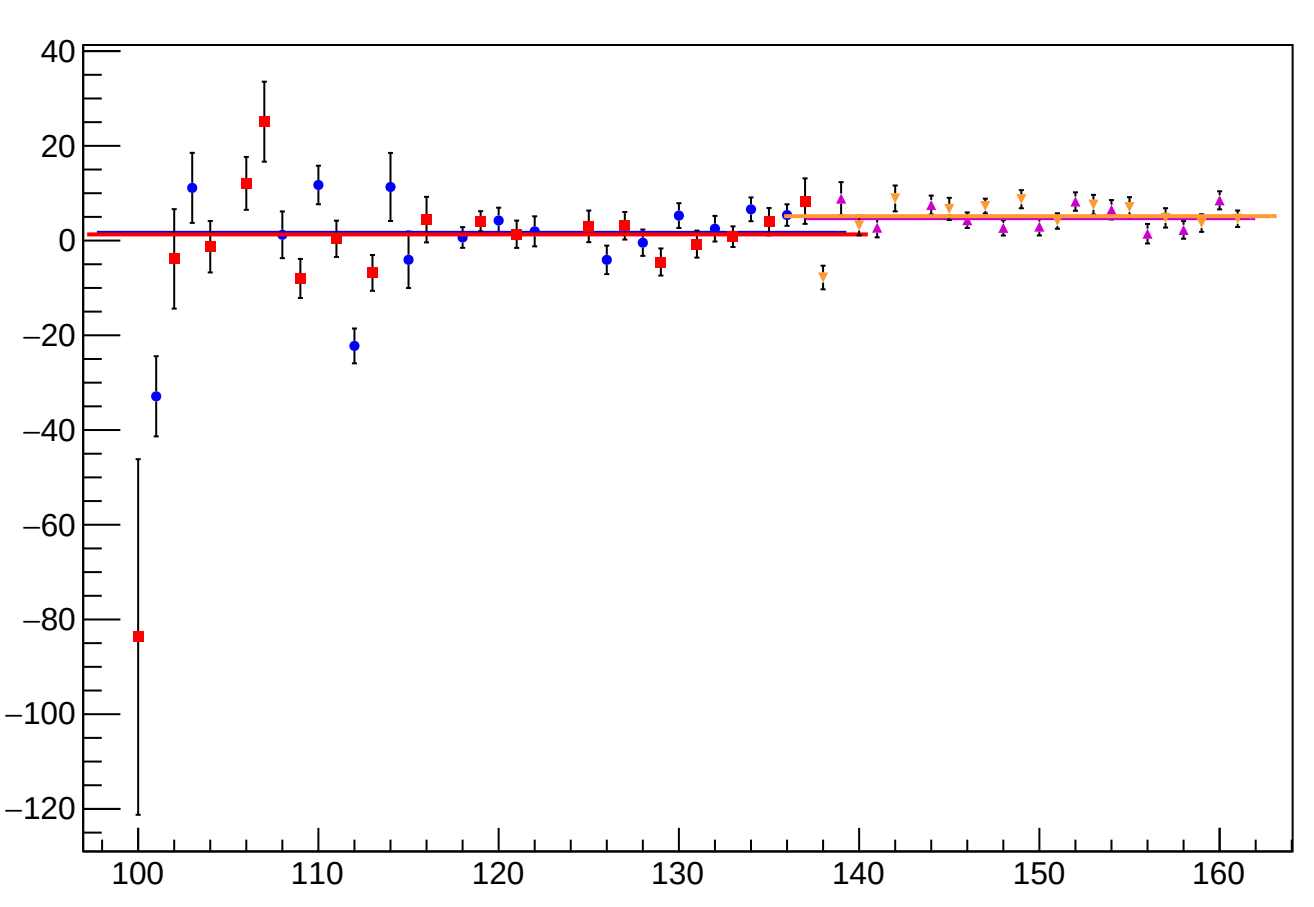
Left: -17.073+/-0.492 χ^2/NDF: 243.1/22

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.874+/-0.524 χ^2/NDF:2433.7/26

Out: -22.259+/-0.522 χ^2/NDF:3358.3/29

All: -23.562+/-0.370 χ^2/NDF: 5804.5/56



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.155+/-0.570 χ^2/NDF:38.8/11

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.735+/-0.587 χ^2/NDF:19.0/10

Left: 4.951+/-0.409 χ^2/NDF: 58.1/22

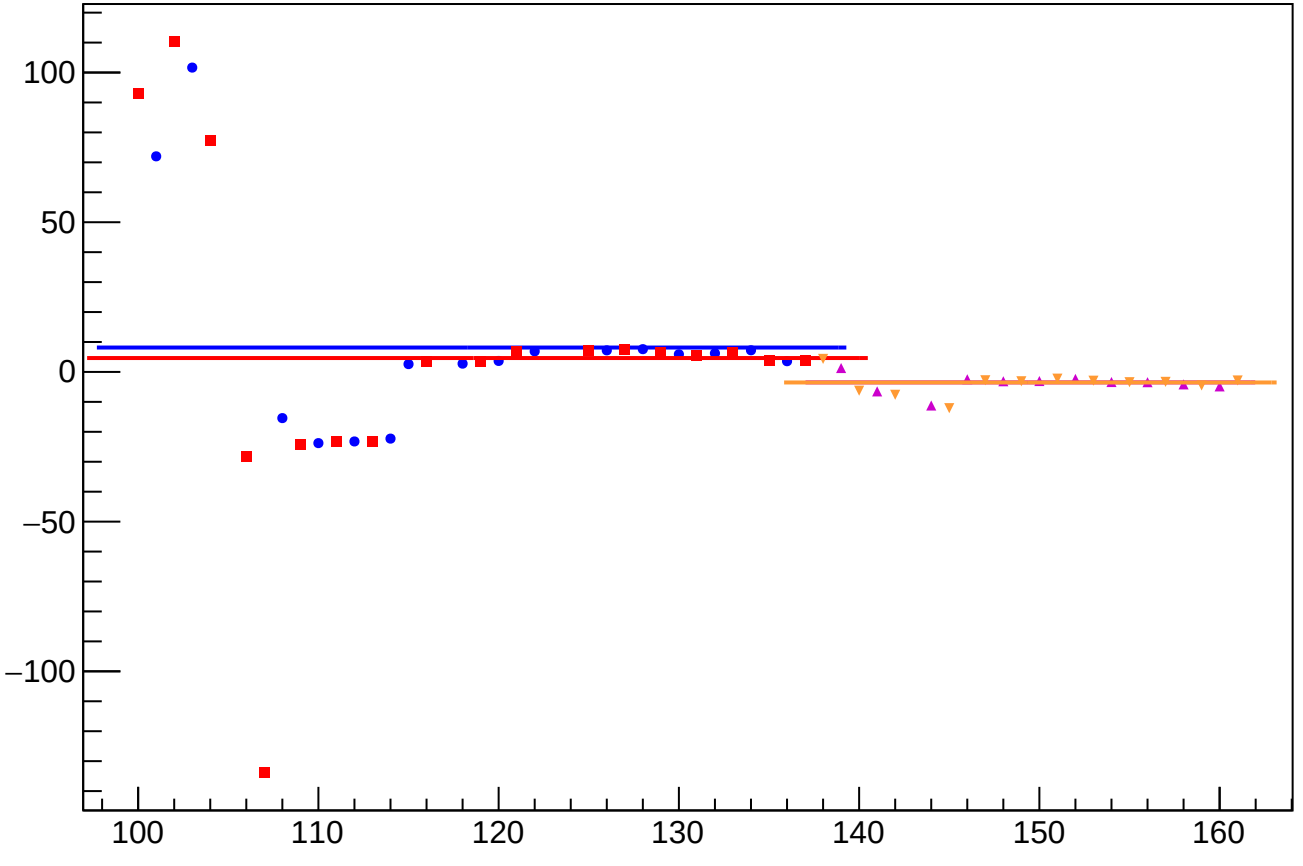
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.644+/-0.473 χ^2/NDF:112.1/26

Out: 3.892+/-0.467 χ^2/NDF:91.3/29

All: 3.769+/-0.332 χ^2/NDF: 203.6/56

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.520+/-0.026 χ^2/NDF:18577.5/11

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.490+/-0.026 χ^2/NDF:11011.2/10

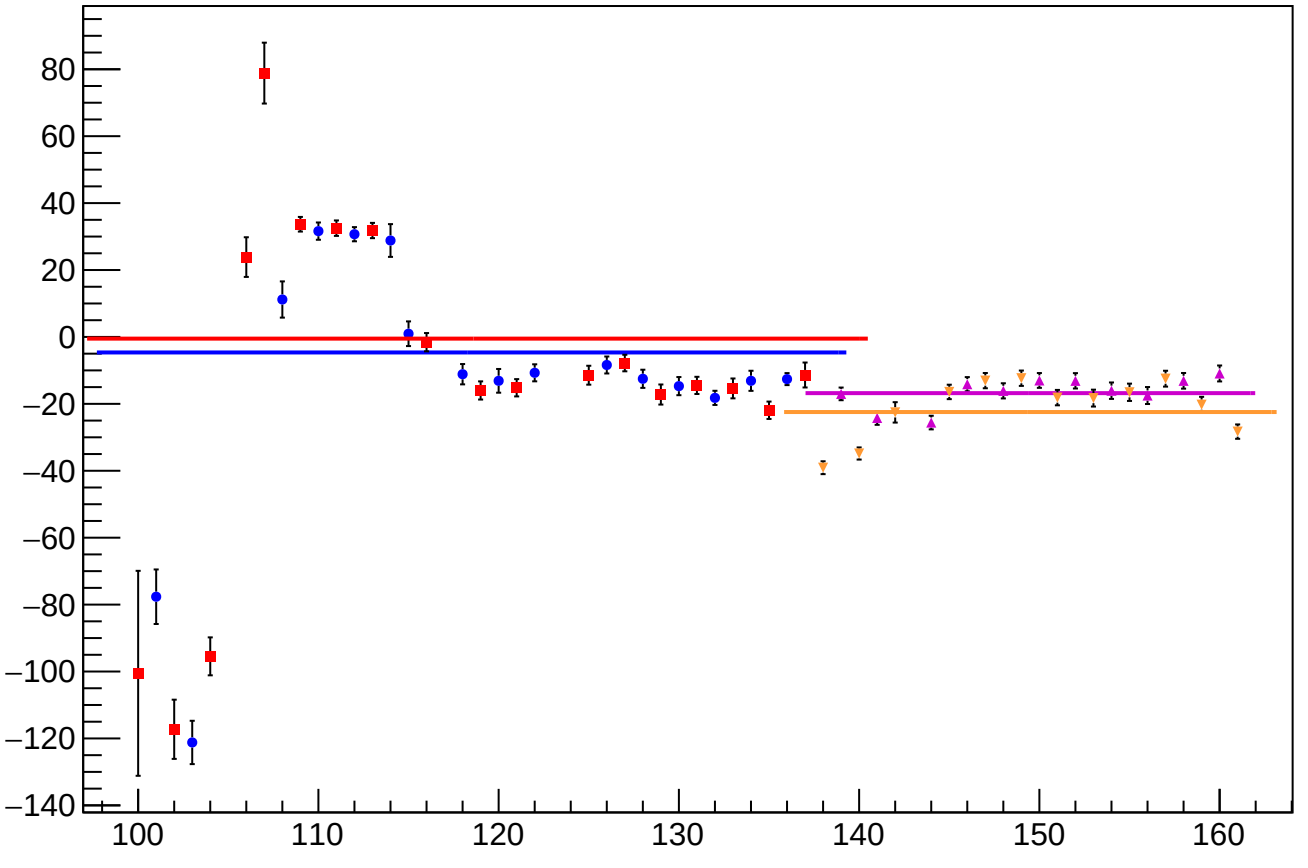
Left: -3.505+/-0.018 χ^2/NDF: 29589.3/22

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.835+/-0.023 χ^2/NDF:369025.2/26

Out: -1.874+/-0.023 χ^2/NDF:485269.7/29

All: -1.352+/-0.016 χ^2/NDF: 855301.1/56



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.444+/-0.652 χ^2/NDF:202.9/11

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -16.797+/-0.667 χ^2/NDF:47.4/10

Left: -19.684+/-0.467 χ^2/NDF: 287.0/22

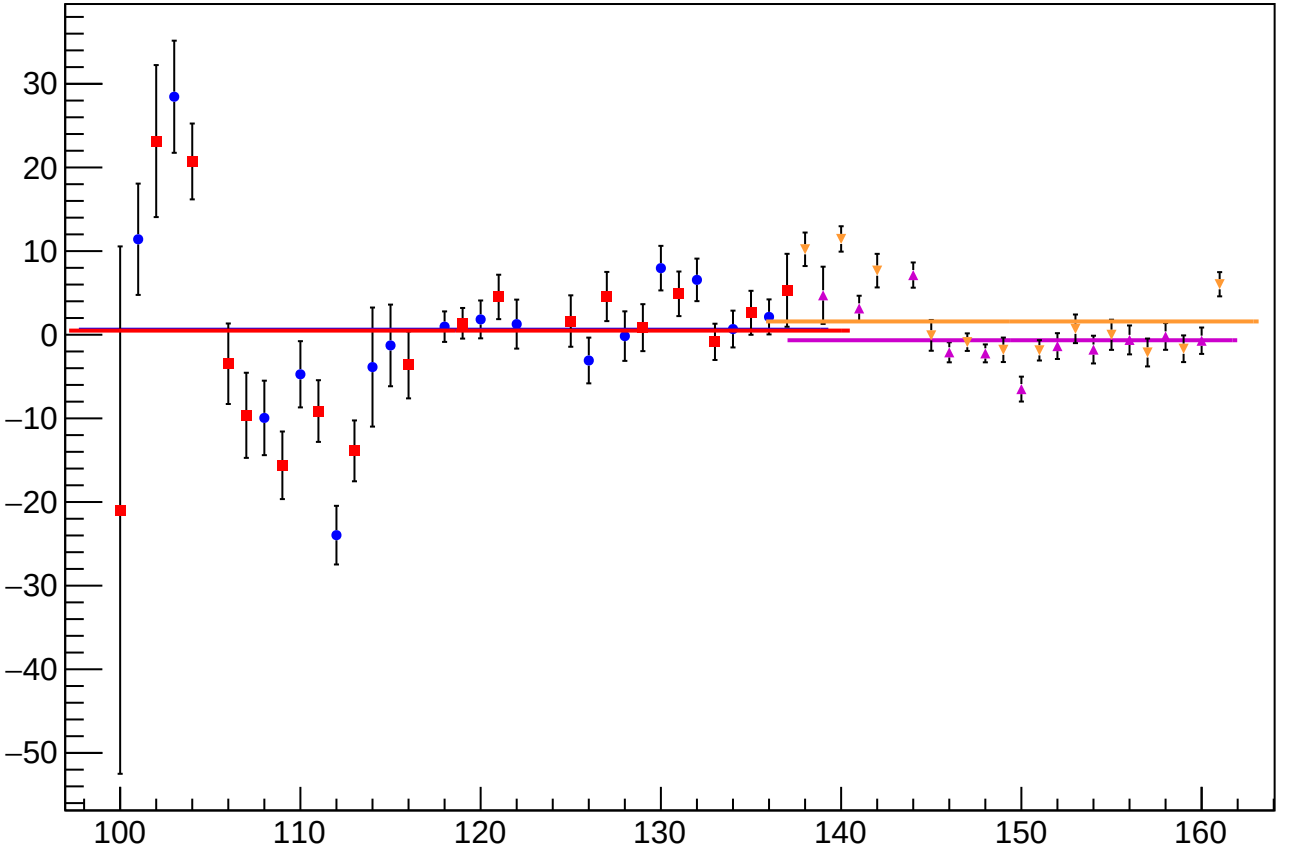
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -11.108+/-0.487 χ^2/NDF:1249.0/26

Out: -12.413+/-0.481 χ^2/NDF:2177.7/29

All: -11.769+/-0.342 χ^2/NDF: 3430.3/56

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: 1.589+/-0.440 χ^2/NDF:109.4/11

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.658+/-0.452 χ^2/NDF:55.2/10

Left: 0.495+/-0.315 χ^2/NDF: 177.2/22

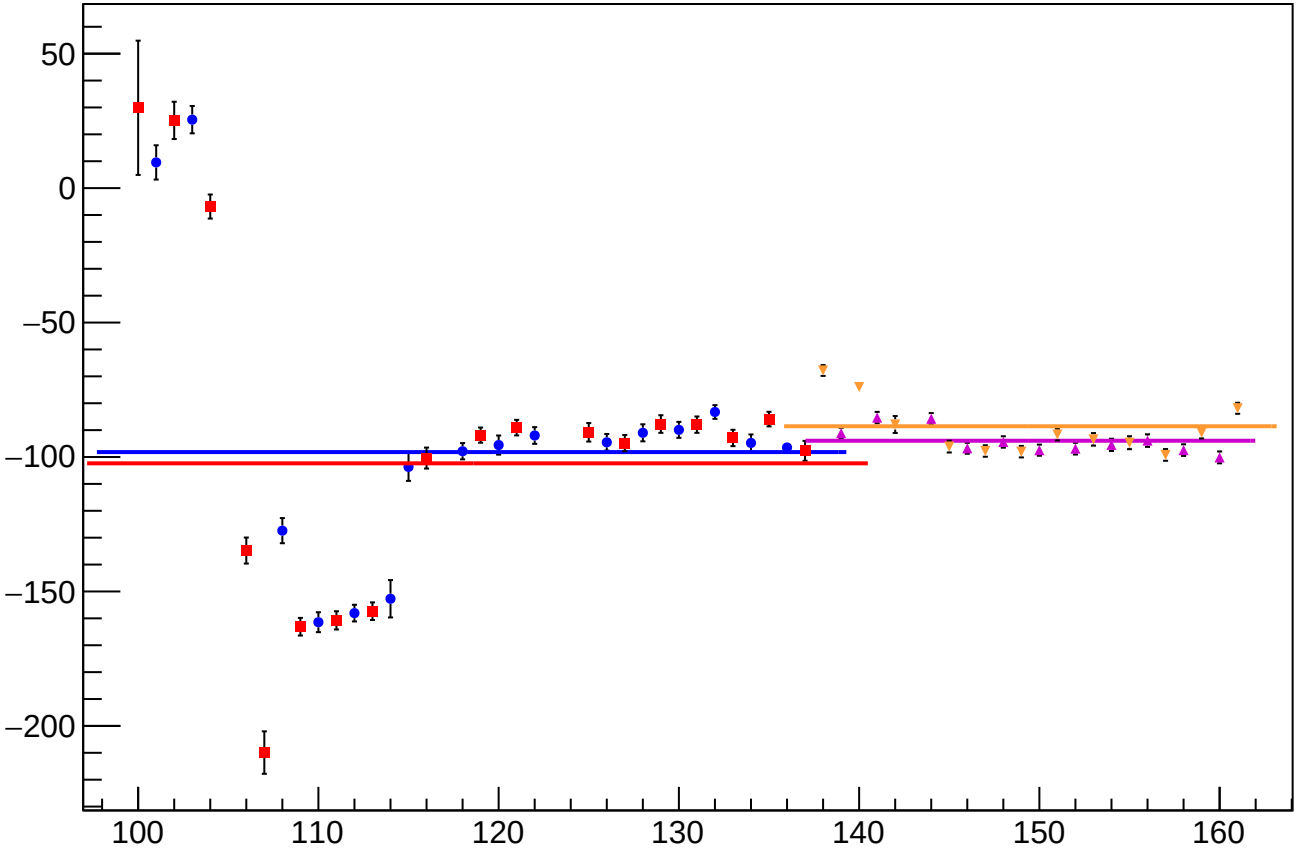
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.307+/-0.384 χ^2/NDF:150.3/26

Out: 1.312+/-0.380 χ^2/NDF:191.1/29

All: 0.510+/-0.270 χ^2/NDF: 350.3/56

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -88.565+/-0.632 χ^2/NDF:266.2/11

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.950+/-0.644 χ^2/NDF:51.4/10

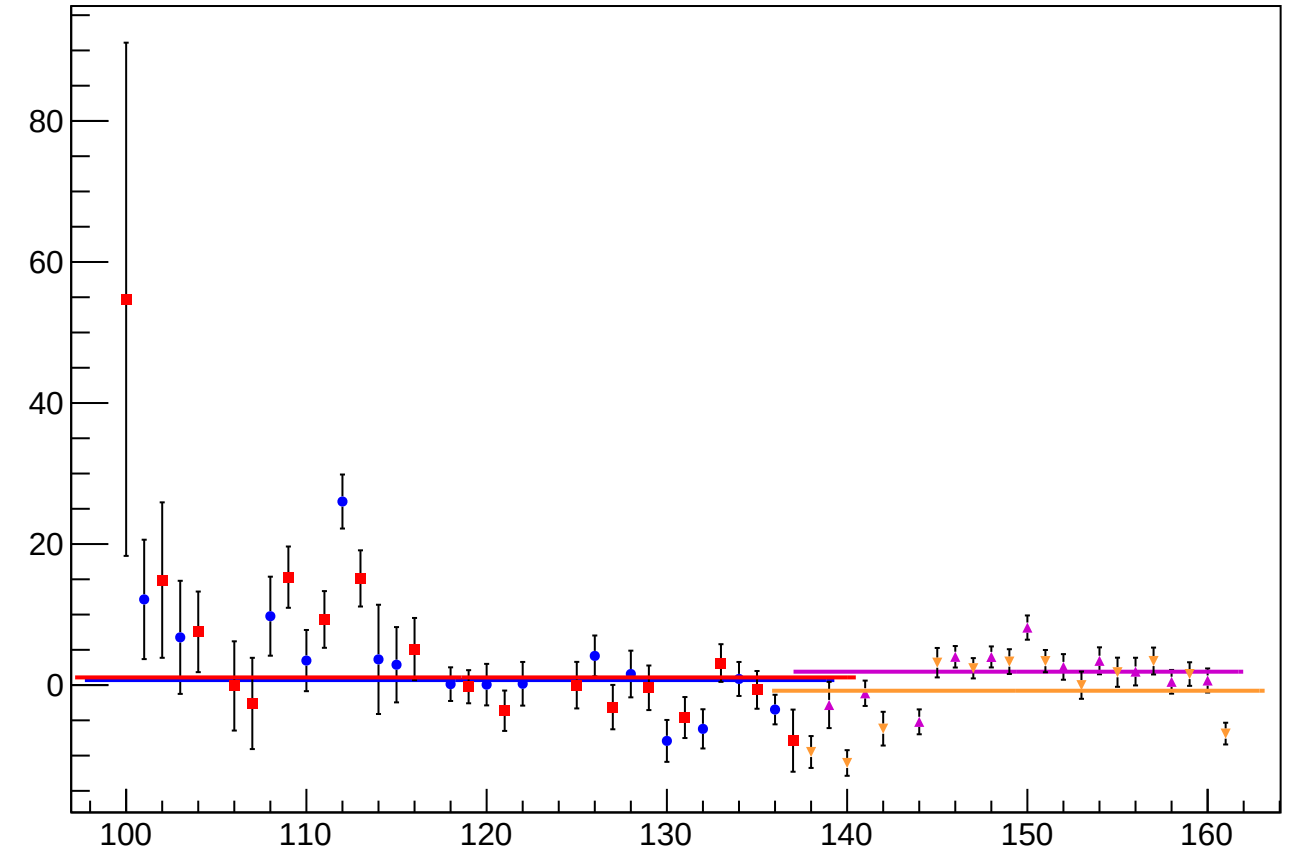
Left: -91.205+/-0.451 χ^2/NDF: 353.1/22

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.578+/-0.505 χ^2/NDF:1767.8/26

Out: -93.570+/-0.504 χ^2/NDF:2556.5/29

All: -94.573+/-0.357 χ^2/NDF: 4332.2/56



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.801+/-0.522 χ^2/NDF:96.9/11

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 1.898+/-0.536 χ^2/NDF:40.4/10

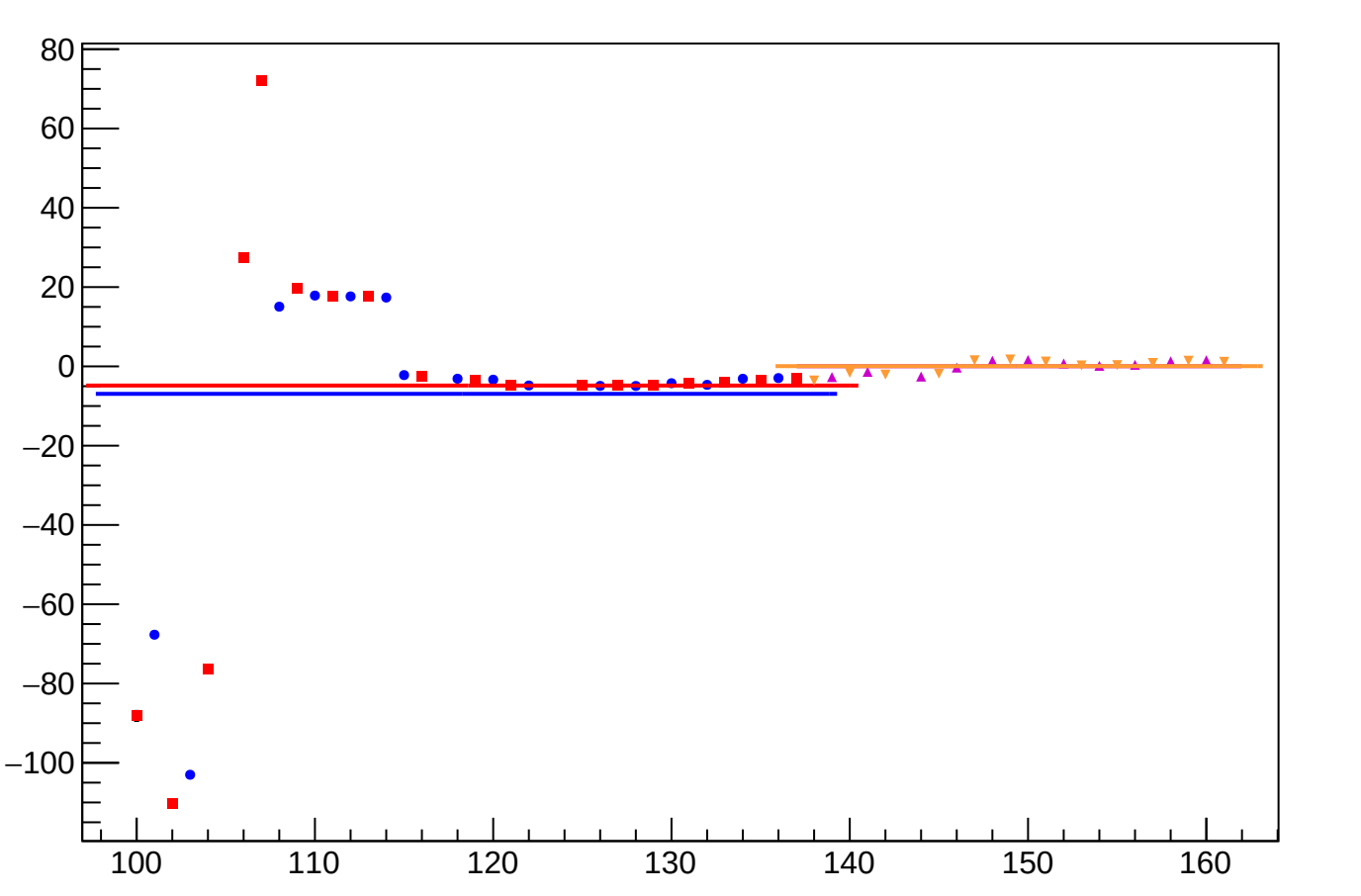
Left: 0.513+/-0.374 χ^2/NDF: 150.3/22

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.543+/-0.449 χ^2/NDF:111.5/26

Out: -0.289+/-0.446 χ^2/NDF:148.1/29

All: 0.621+/-0.316 χ^2/NDF: 268.0/56



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: 0.060+/-0.024 χ^2/NDF:4728.5/11

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.037+/-0.024 χ^2/NDF:3916.1/10

Left: 0.049+/-0.017 χ^2/NDF: 8645.1/22

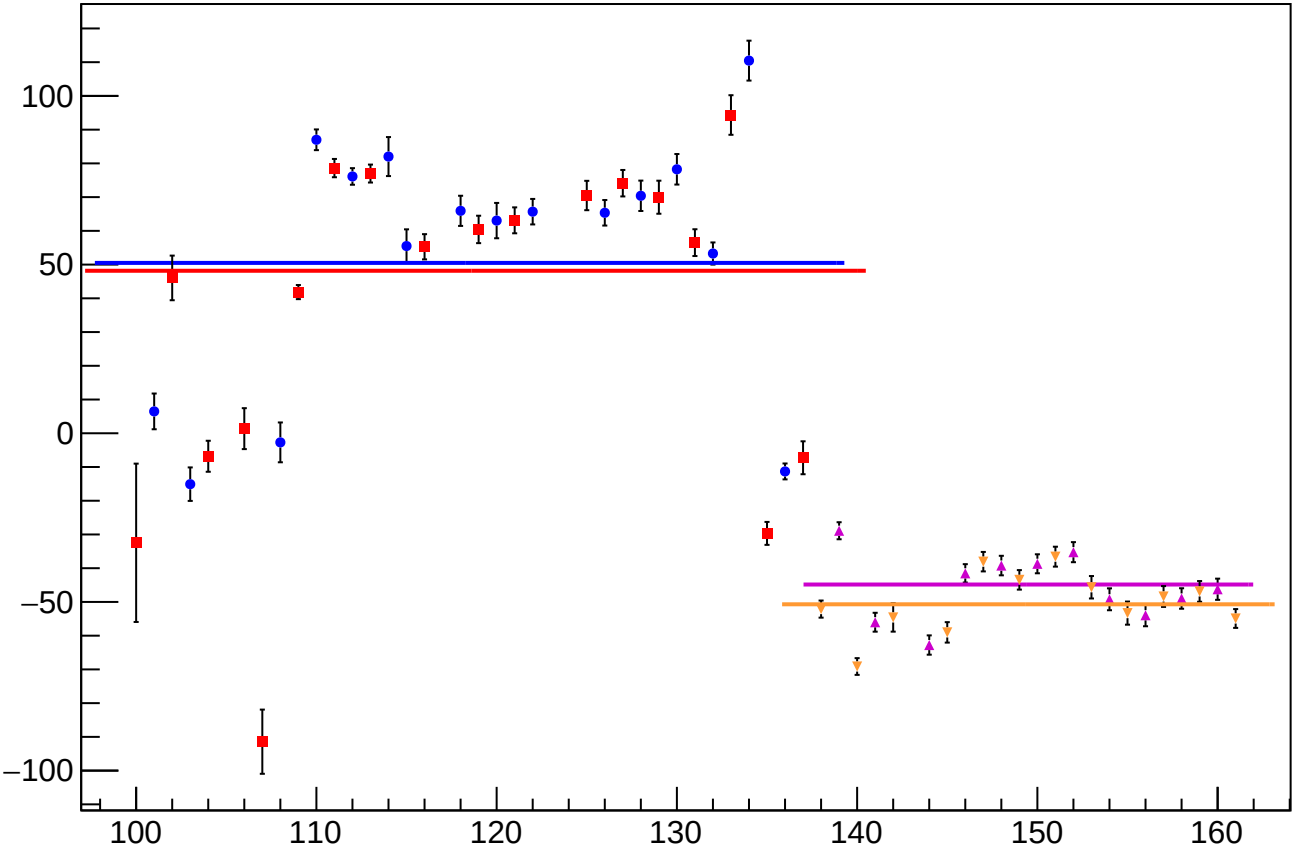
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.349+/-0.022 χ^2/NDF:285599.5/26

Out: -0.772+/-0.022 χ^2/NDF:351218.4/29

All: -1.062+/-0.015 χ^2/NDF: 637170.7/56

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.698+/-0.860 χ^2/NDF:119.5/11

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-0.877 χ^2/NDF:127.2/10

Left: -47.827+/-0.614 χ^2/NDF: 269.5/22

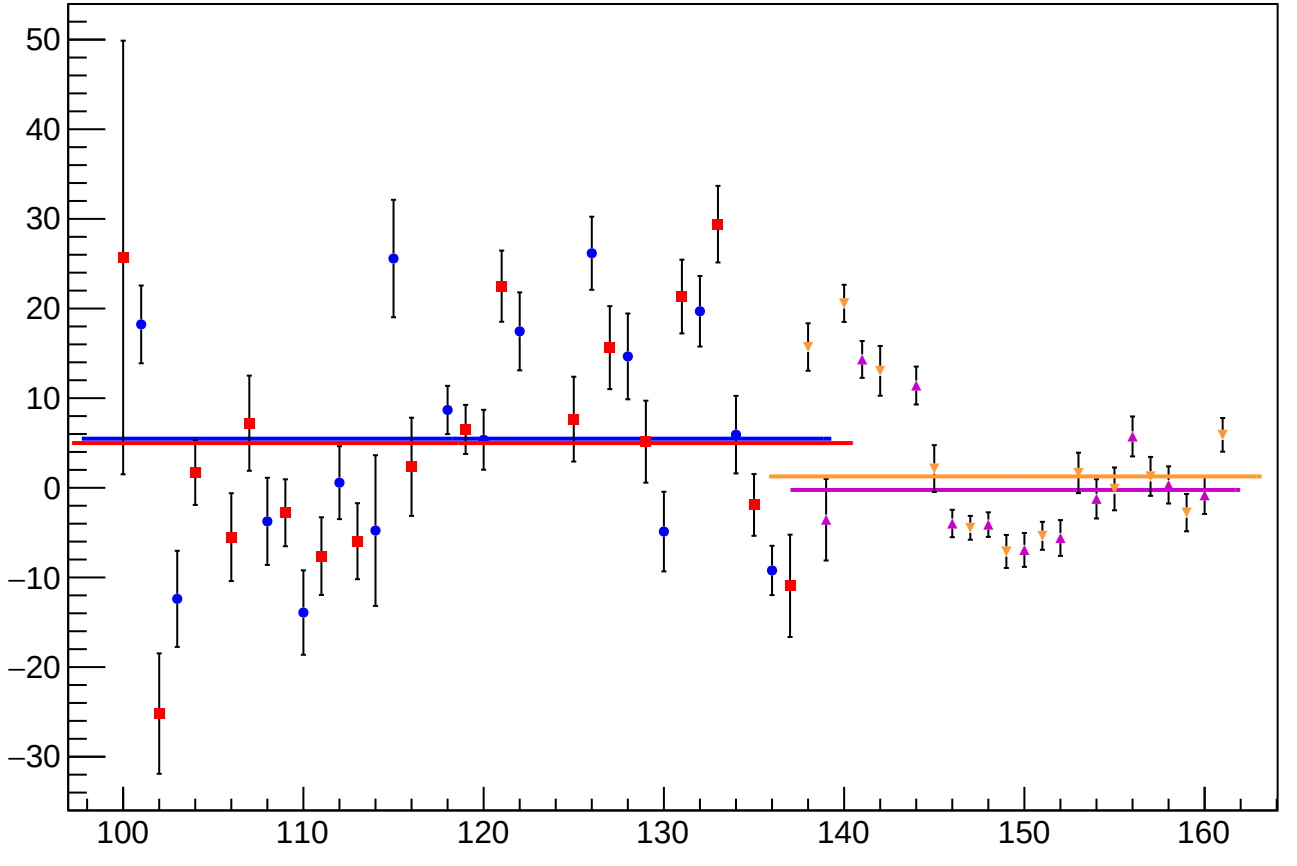
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -1.702+/-0.649 χ^2/NDF:6971.9/26

Out: -4.299+/-0.626 χ^2/NDF:7845.1/29

All: -3.048+/-0.451 χ^2/NDF: 14825.3/56

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: 1.270+/-0.575 χ^2/NDF:202.1/11

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.238+/-0.590 χ^2/NDF:122.3/10

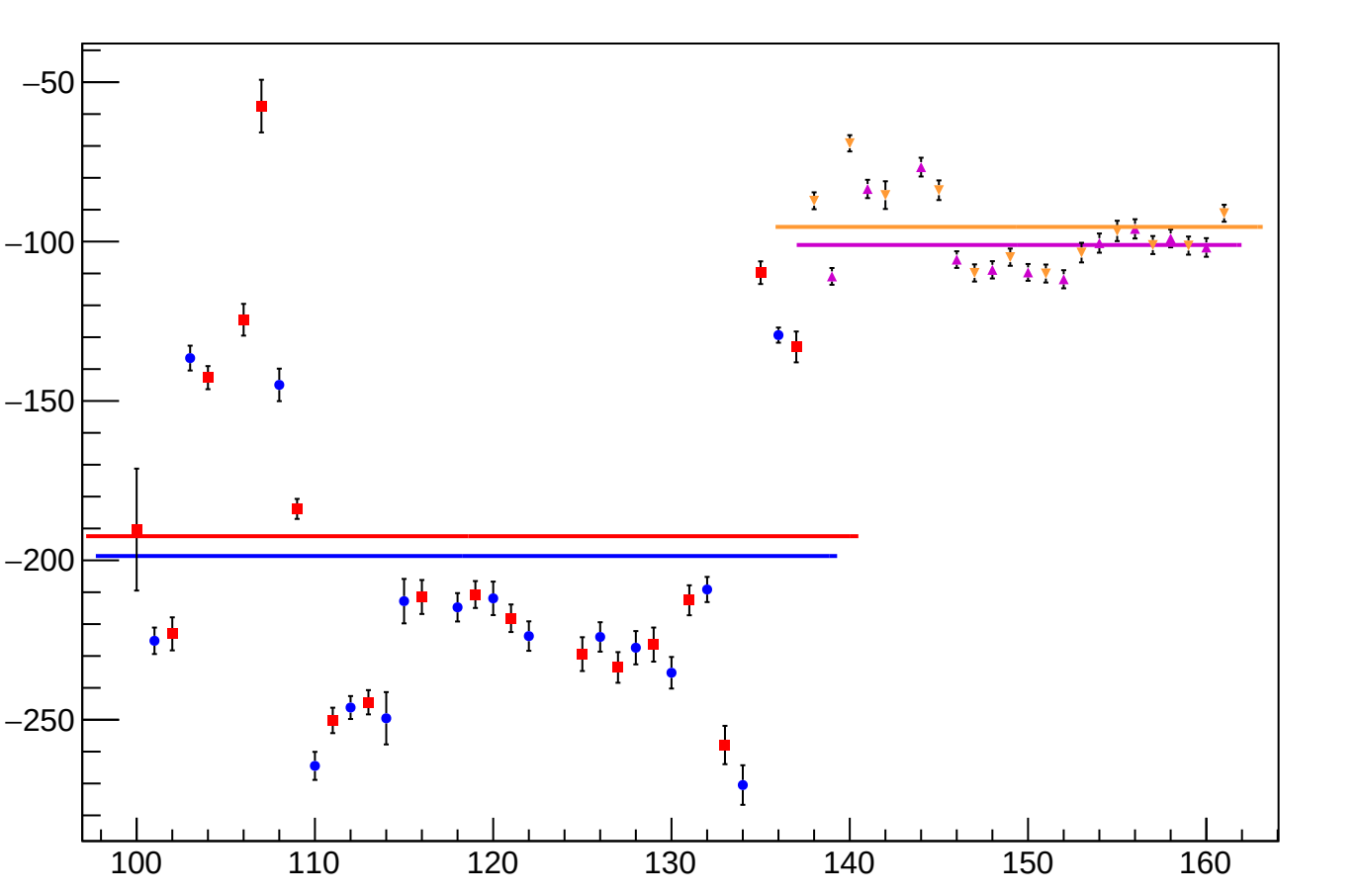
Left: 0.535+/-0.412 χ^2/NDF: 327.7/22

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.193+/-0.511 χ^2/NDF:283.9/26

Out: 2.165+/-0.501 χ^2/NDF:344.0/29

All: 1.688+/-0.358 χ^2/NDF: 629.8/56



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.401+/-0.831 χ^2/NDF:220.4/11

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.067+/-0.846 χ^2/NDF:160.1/10

Left: -98.184+/-0.593 χ^2/NDF: 403.3/22

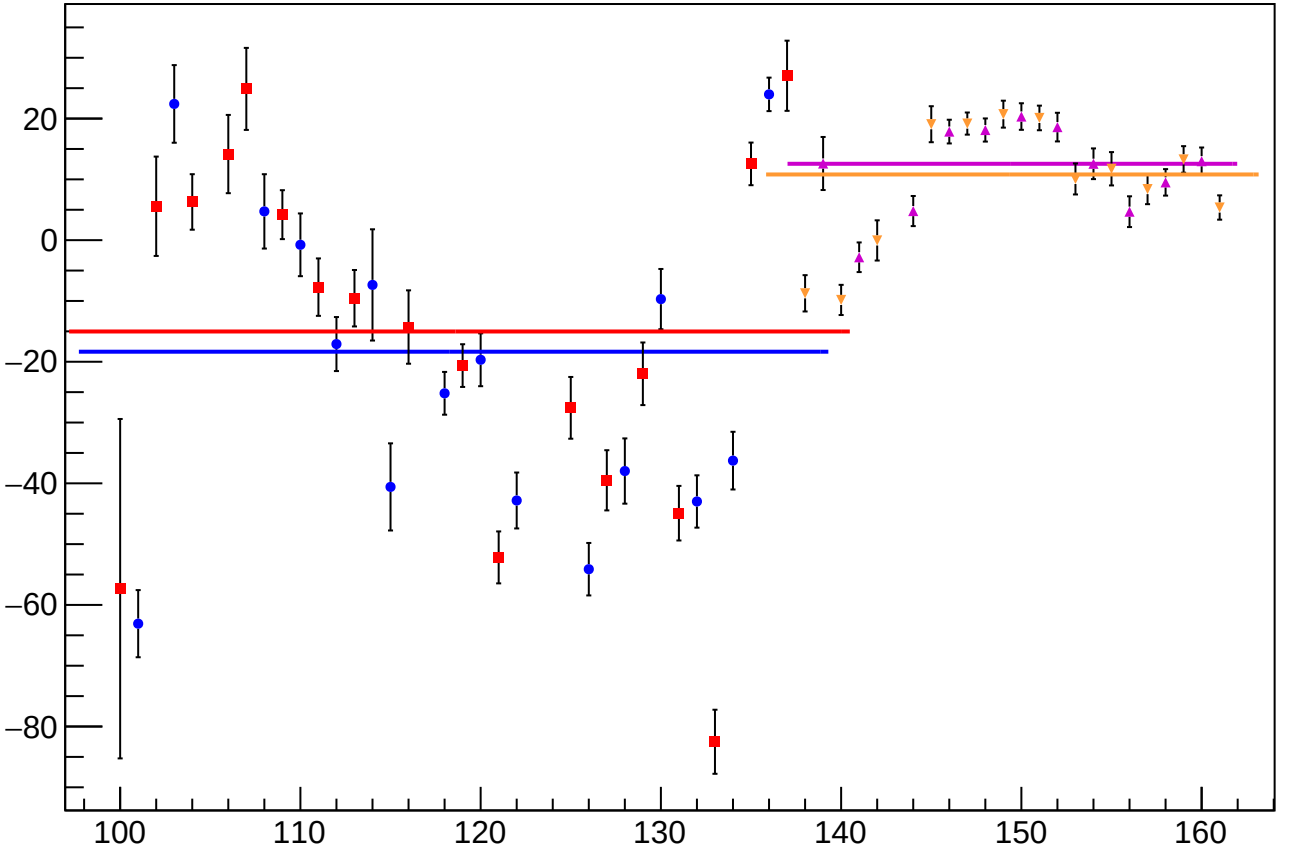
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -138.008+/-0.667 χ^2/NDF:7202.9/26

Out: -131.487+/-0.658 χ^2/NDF:7431.0/29

All: -134.708+/-0.468 χ^2/NDF: 14682.3/56

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 10.806+/-0.684 χ^2/NDF:202.7/11

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.562+/-0.701 χ^2/NDF:96.4/10

Left: 11.662+/-0.490 χ^2/NDF: 302.3/22

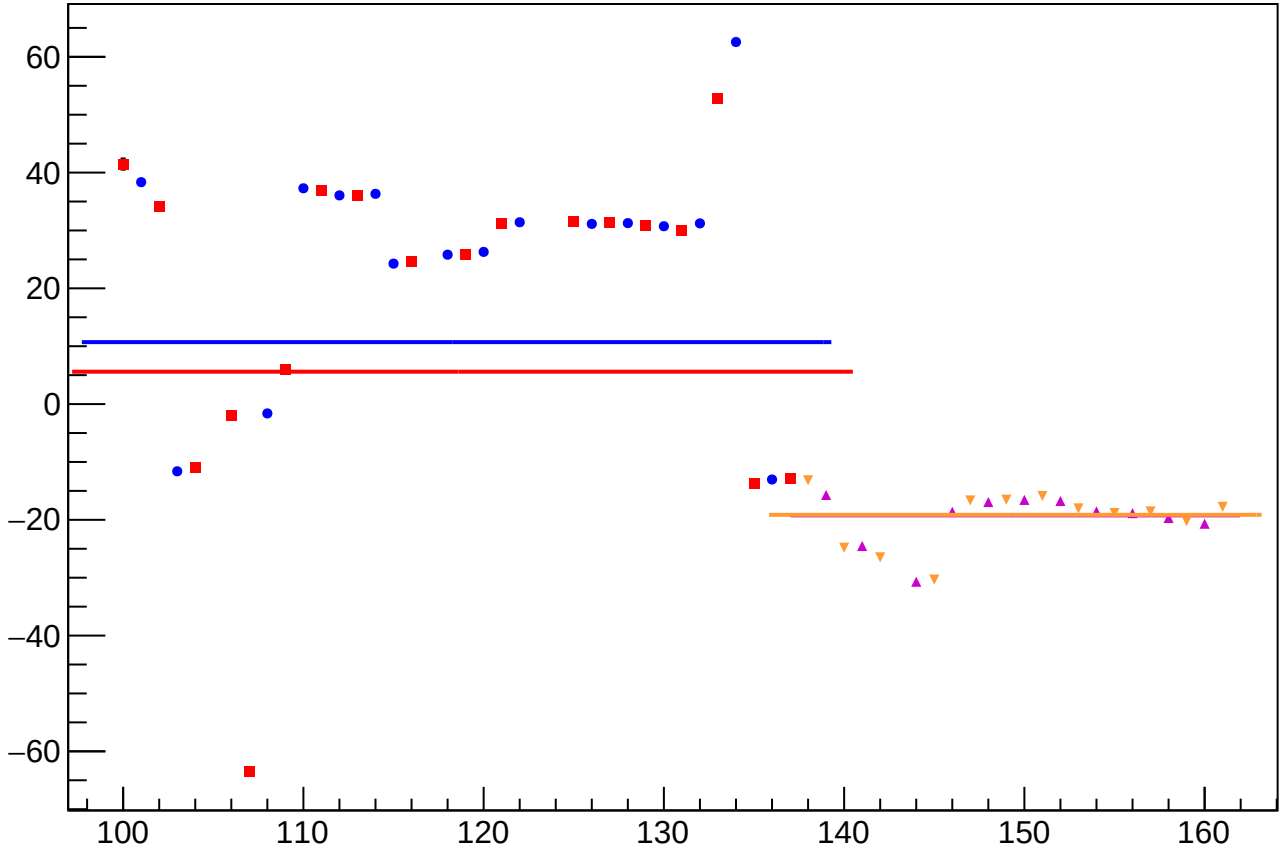
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 4.282+/-0.600 χ^2/NDF:1160.7/26

Out: 4.160+/-0.589 χ^2/NDF:1116.1/29

All: 4.220+/-0.420 χ^2/NDF: 2276.9/56

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: -19.135+/-0.031 χ^2/NDF:18324.1/11

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.230+/-0.032 χ^2/NDF:12990.6/10

Left: -19.182+/-0.022 χ^2/NDF: 31319.2/22

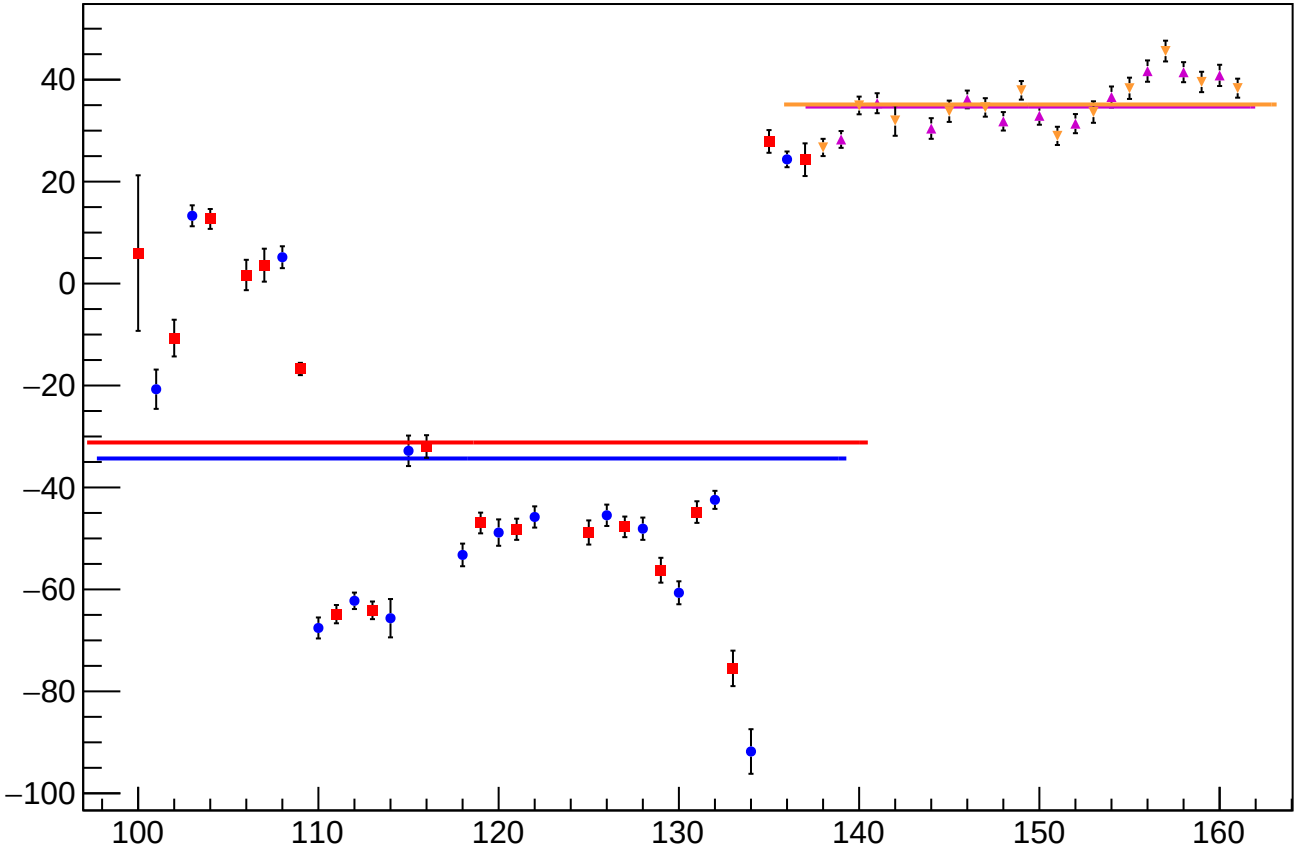
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.167+/-0.028 χ^2/NDF:358441.3/26

Out: -14.289+/-0.028 χ^2/NDF:294798.2/29

All: -13.731+/-0.020 χ^2/NDF: 654028.6/56

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: 35.134+/-0.561 χ^2/NDF:77.8/11

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.719+/-0.571 χ^2/NDF:59.7/10

Left: 34.930+/-0.400 χ^2/NDF: 137.7/22

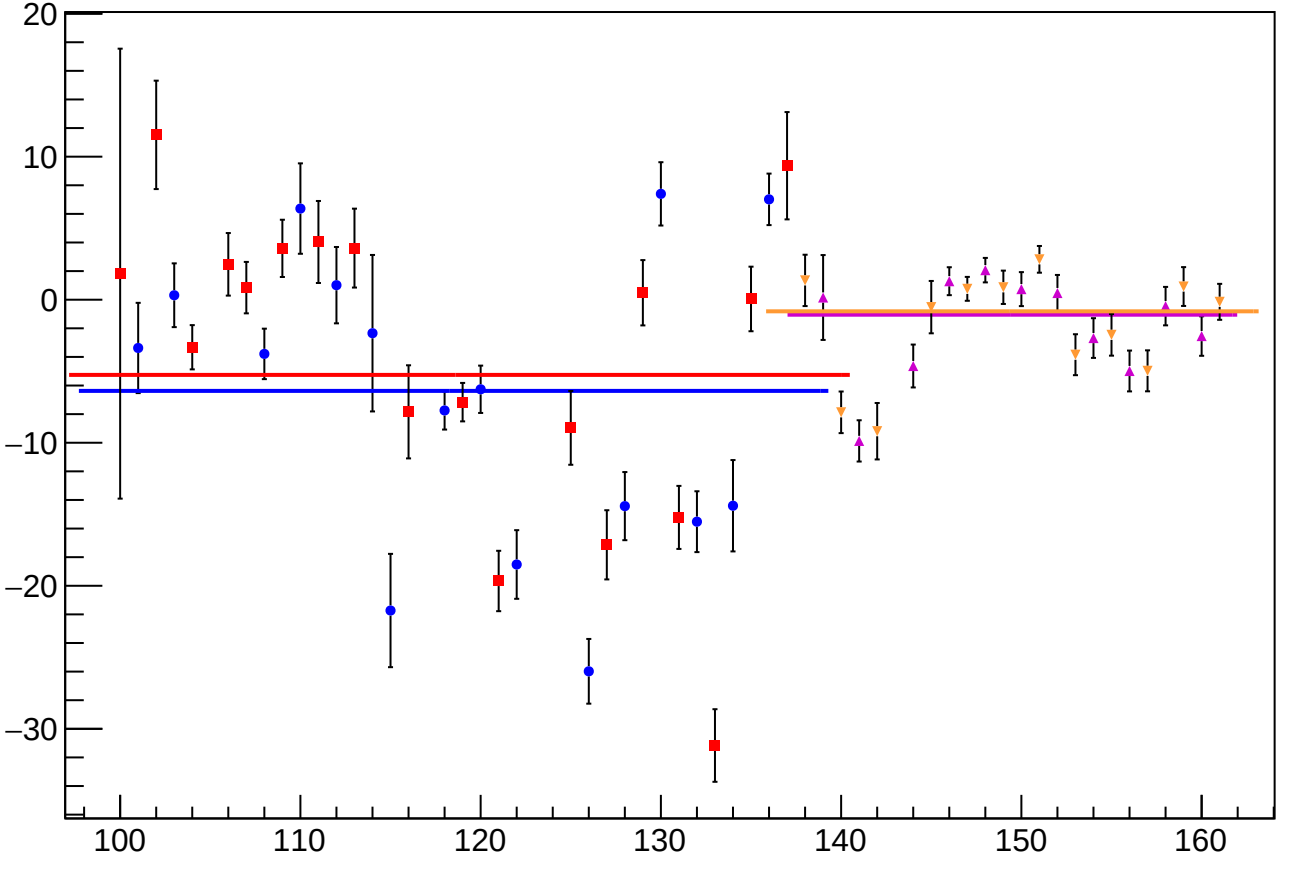
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -1.235+/-0.395 χ^2/NDF:11170.5/26

Out: -0.827+/-0.380 χ^2/NDF:10843.9/29

All: -1.023+/-0.274 χ^2/NDF: 22014.9/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.812+/-0.371 χ^2/NDF:80.0/11

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.048+/-0.381 χ^2/NDF:76.4/10

Left: -0.927+/-0.266 χ^2/NDF: 156.5/22

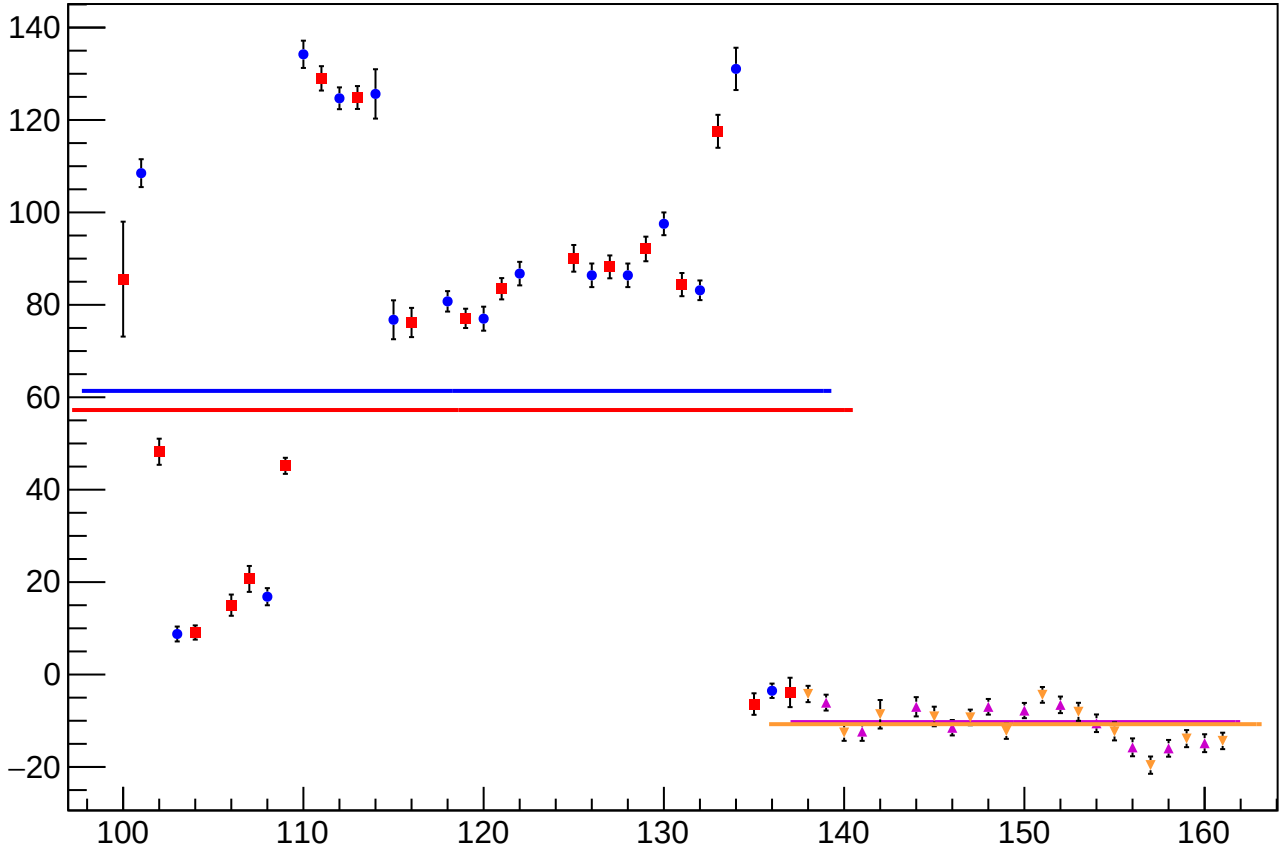
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.762+/-0.314 χ^2/NDF:422.8/26

Out: -2.263+/-0.304 χ^2/NDF:439.8/29

All: -2.505+/-0.219 χ^2/NDF: 863.9/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.740+/-0.541 χ^2/NDF:63.1/11

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.288+/-0.549 χ^2/NDF:43.9/10

Left: -10.517+/-0.385 χ^2/NDF: 107.4/22

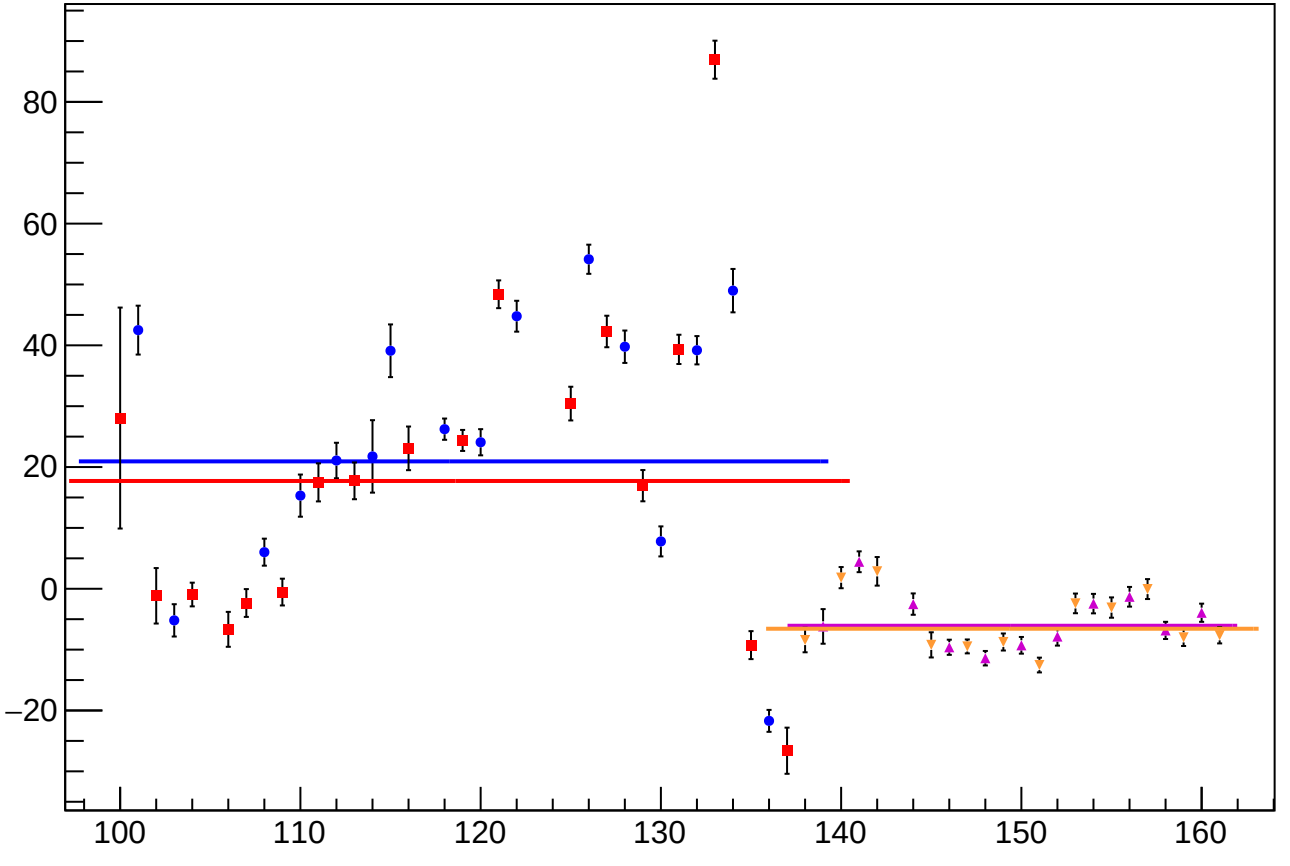
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 22.710+/-0.403 χ^2/NDF:13956.2/26

Out: 20.858+/-0.396 χ^2/NDF:12677.8/29

All: 21.766+/-0.282 χ^2/NDF: 26644.8/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.569+/-0.442 χ^2/NDF:103.3/11

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.079+/-0.454 χ^2/NDF:93.1/10

Left: -6.330+/-0.317 χ^2/NDF: 197.1/22

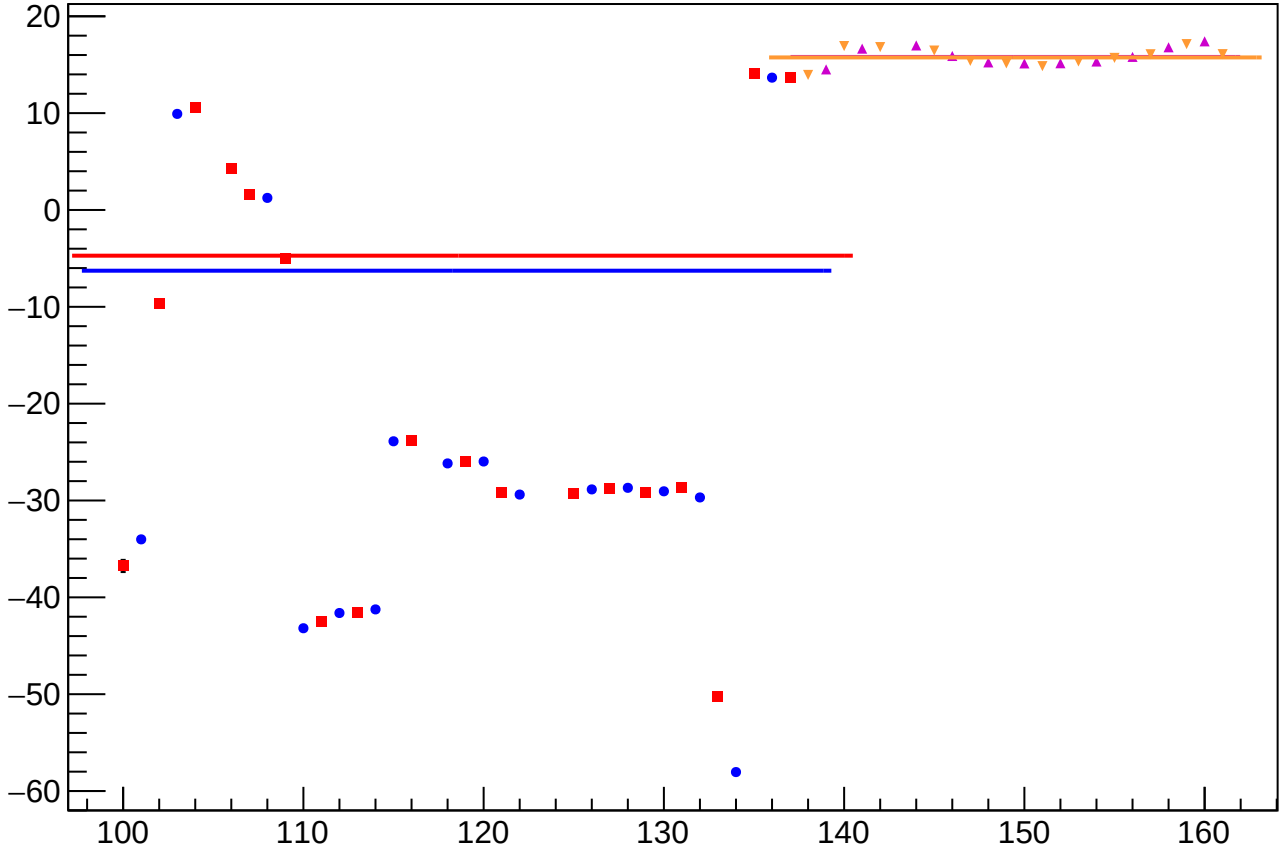
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 2.967+/-0.370 χ^2/NDF:2522.5/26

Out: 1.654+/-0.360 χ^2/NDF:2605.7/29

All: 2.291+/-0.258 χ^2/NDF: 5134.7/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.751+/-0.020 χ^2/NDF:1884.6/11

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.801+/-0.021 χ^2/NDF:1842.0/10

Left: 15.776+/-0.014 χ^2/NDF: 3729.5/22

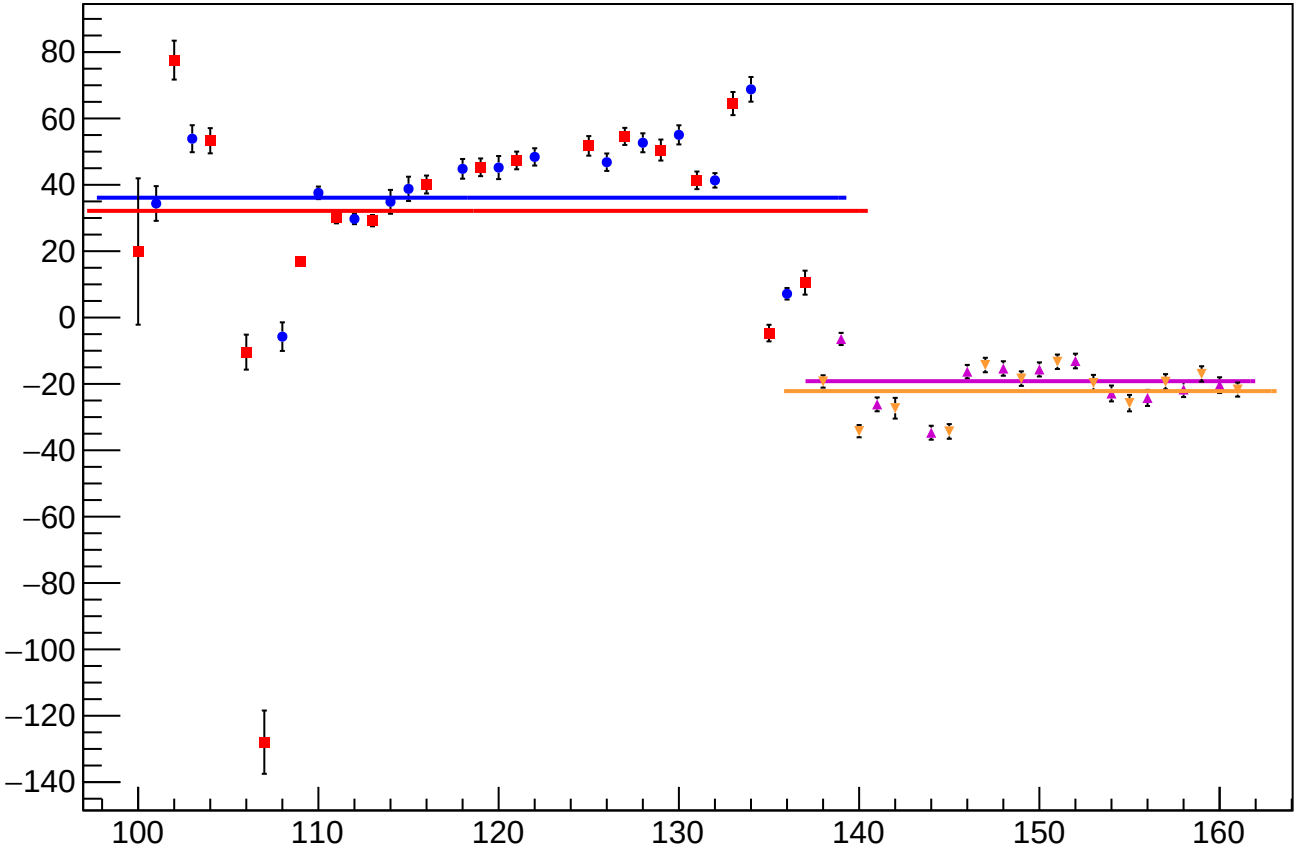
Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.754+/-0.017 χ^2/NDF:729051.2/26

Out: 10.264+/-0.017 χ^2/NDF:578820.2/29

All: 10.010+/-0.012 χ^2/NDF: 1308297.8/56

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.169+/-0.640 χ^2/NDF:119.8/11

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.175+/-0.654 χ^2/NDF:137.3/10

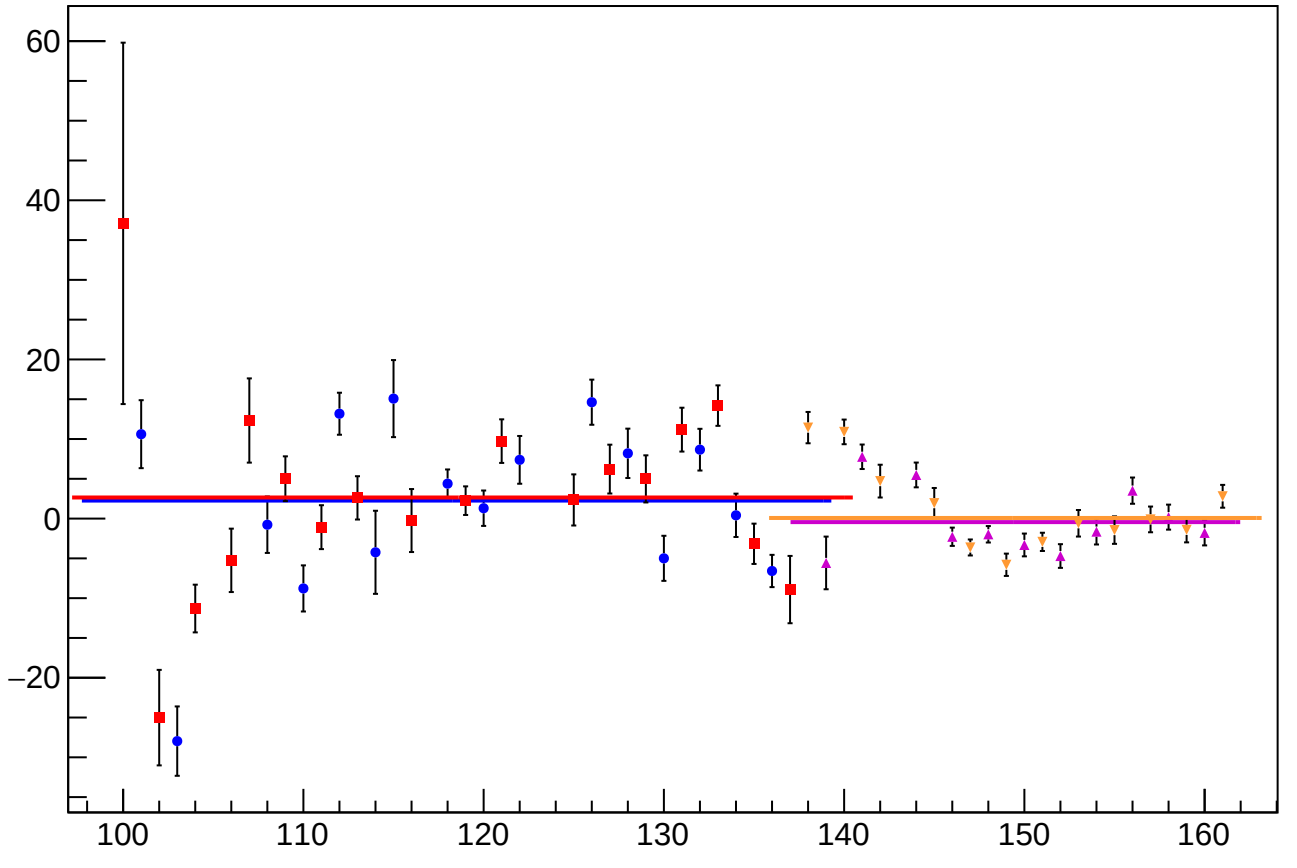
Left: -20.703+/-0.458 χ^2/NDF: 267.8/22

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 8.362+/-0.463 χ^2/NDF:4321.8/26

Out: 5.412+/-0.449 χ^2/NDF:4886.5/29

All: 6.842+/-0.323 χ^2/NDF: 9229.2/56



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.078+/-0.430 χ^2/NDF:131.6/11

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.443+/-0.442 χ^2/NDF:69.5/10

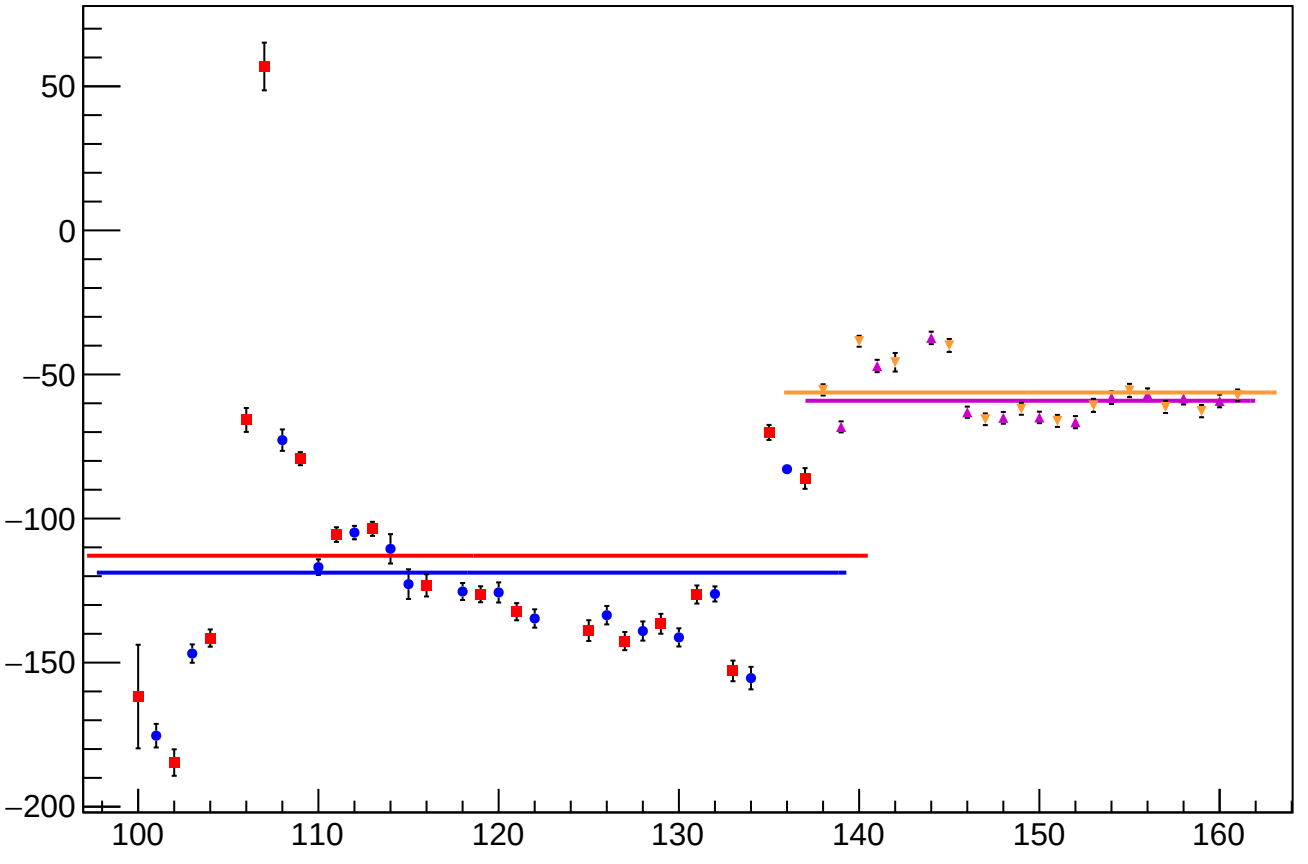
Left: -0.175+/-0.308 χ^2/NDF: 201.8/22

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.327+/-0.374 χ^2/NDF:232.2/26

Out: 0.761+/-0.368 χ^2/NDF:248.3/29

All: 0.547+/-0.262 χ^2/NDF: 481.2/56



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.253+/-0.619 χ^2/NDF:220.4/11

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.122+/-0.631 χ^2/NDF:190.2/10

Left: -57.662+/-0.442 χ^2/NDF: 421.1/22

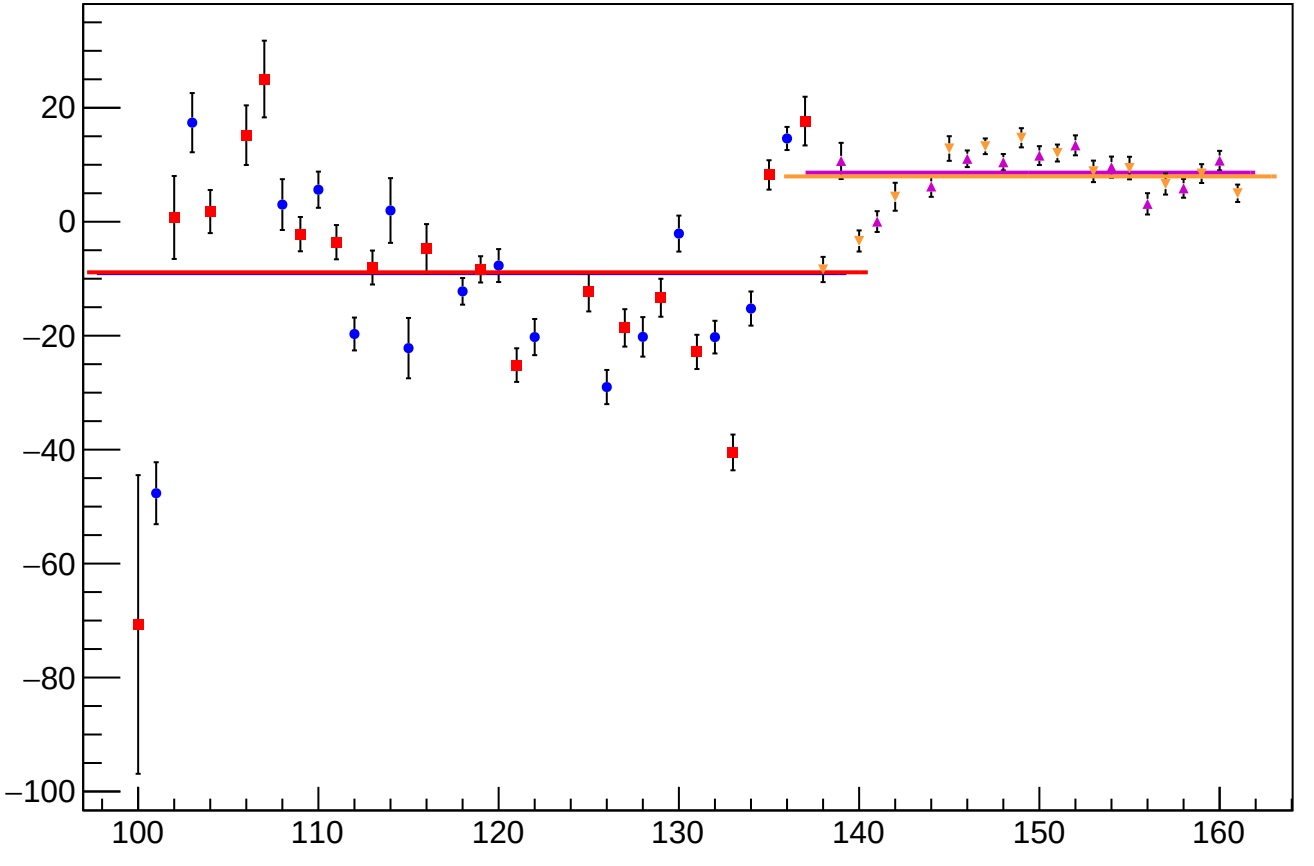
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -83.570+/-0.484 χ^2/NDF:4976.7/26

Out: -78.823+/-0.480 χ^2/NDF:5416.7/29

All: -81.176+/-0.341 χ^2/NDF: 10441.8/56

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: 7.953+/-0.511 χ^2/NDF:142.8/11

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.619+/-0.525 χ^2/NDF:52.6/10

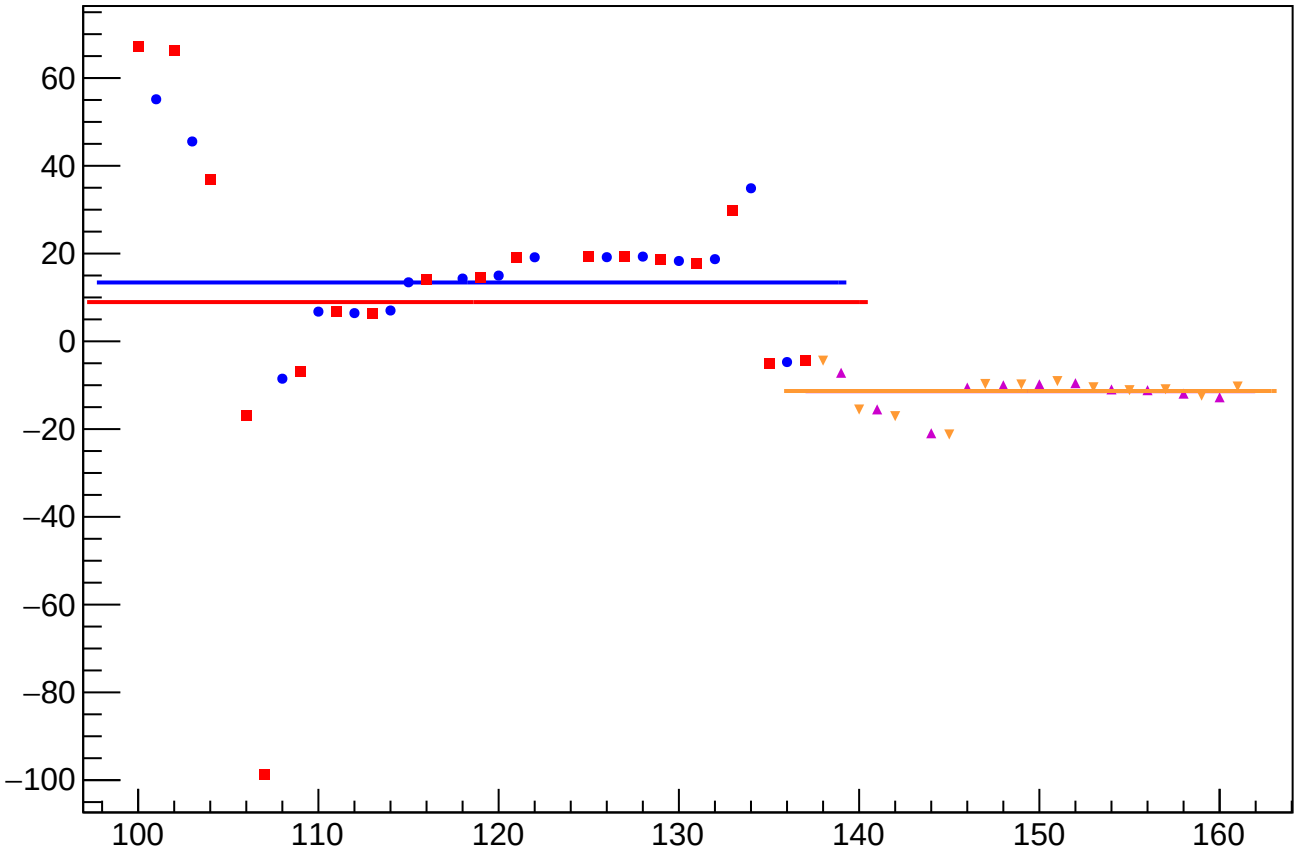
Left: 8.277+/-0.366 χ^2/NDF: 196.3/22

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 3.269+/-0.438 χ^2/NDF:753.1/26

Out: 3.167+/-0.432 χ^2/NDF:770.2/29

All: 3.217+/-0.308 χ^2/NDF: 1523.3/56



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.323+/-0.023 χ^2/NDF:26920.2/11

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.360+/-0.024 χ^2/NDF:17561.1/10

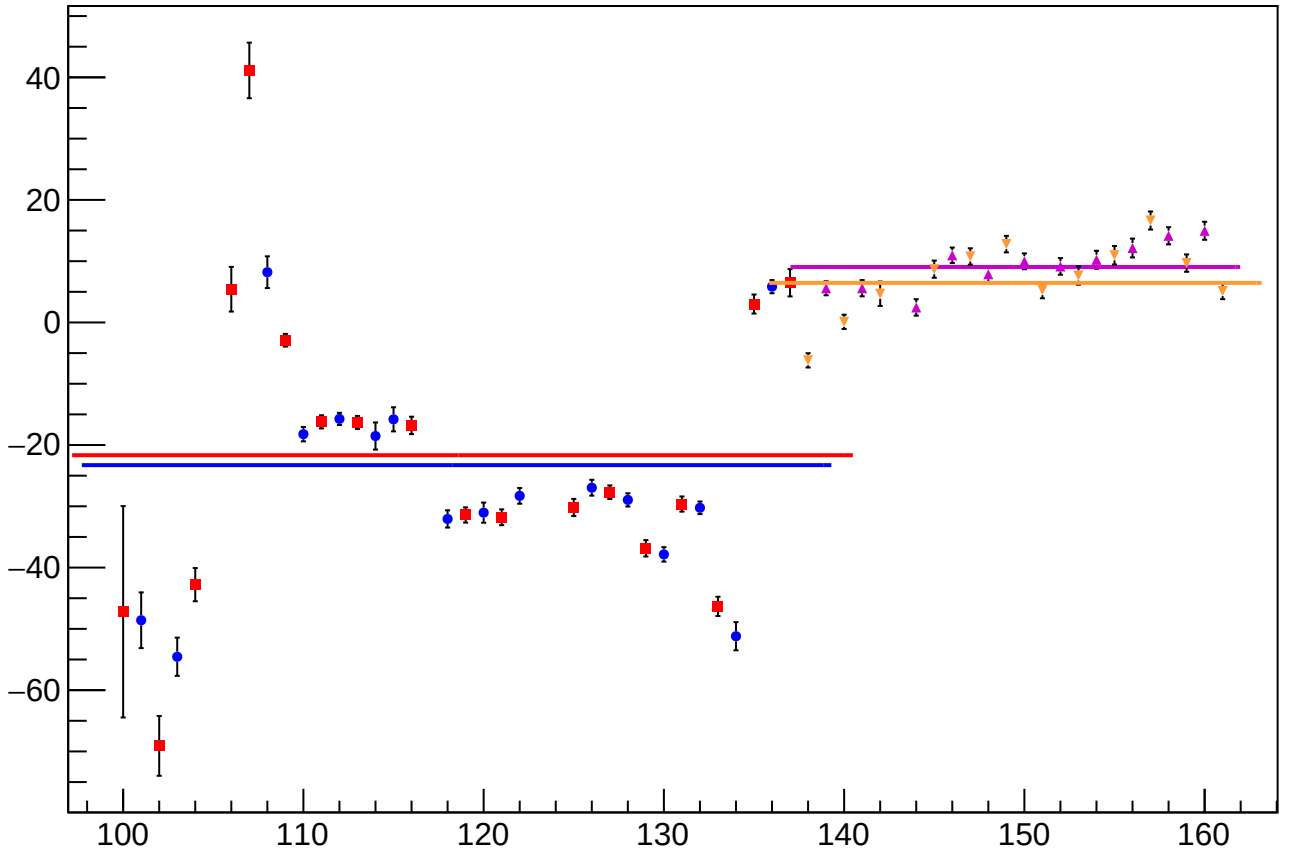
Left: -11.341+/-0.017 χ^2/NDF: 44482.5/22

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.059+/-0.021 χ^2/NDF:436501.1/26

Out: -7.356+/-0.021 χ^2/NDF:465064.8/29

All: -6.707+/-0.015 χ^2/NDF: 903479.9/56



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.458+/-0.398 χ^2/NDF:247.0/11

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 9.056+/-0.405 χ^2/NDF:77.9/10

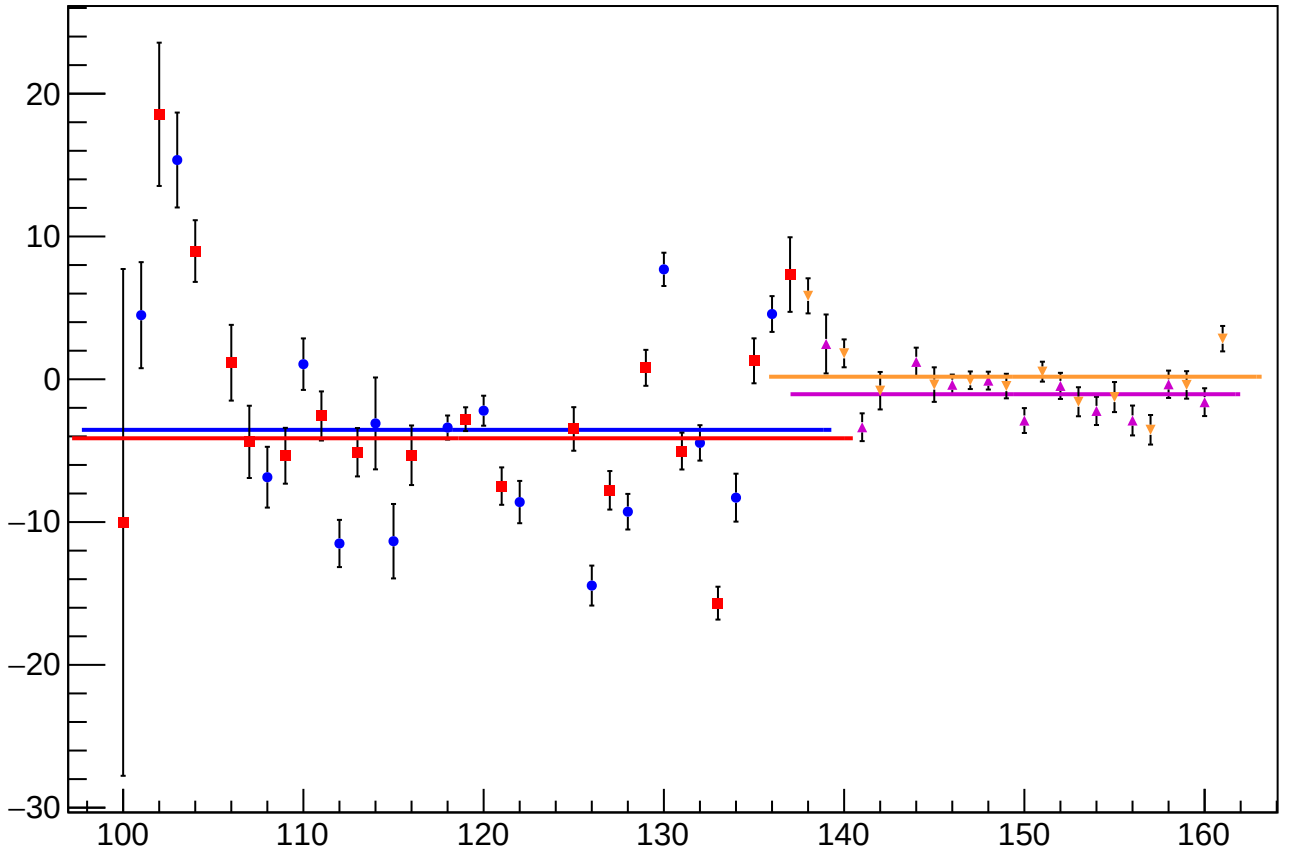
Left: 7.732+/-0.284 χ^2/NDF: 345.7/22

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -9.453+/-0.265 χ^2/NDF:5287.8/26

Out: -9.493+/-0.262 χ^2/NDF:4896.5/29

All: -9.473+/-0.186 χ^2/NDF: 10184.3/56



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.180+/-0.266 χ^2/NDF:52.8/11

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -1.047+/-0.273 χ^2/NDF:27.2/10

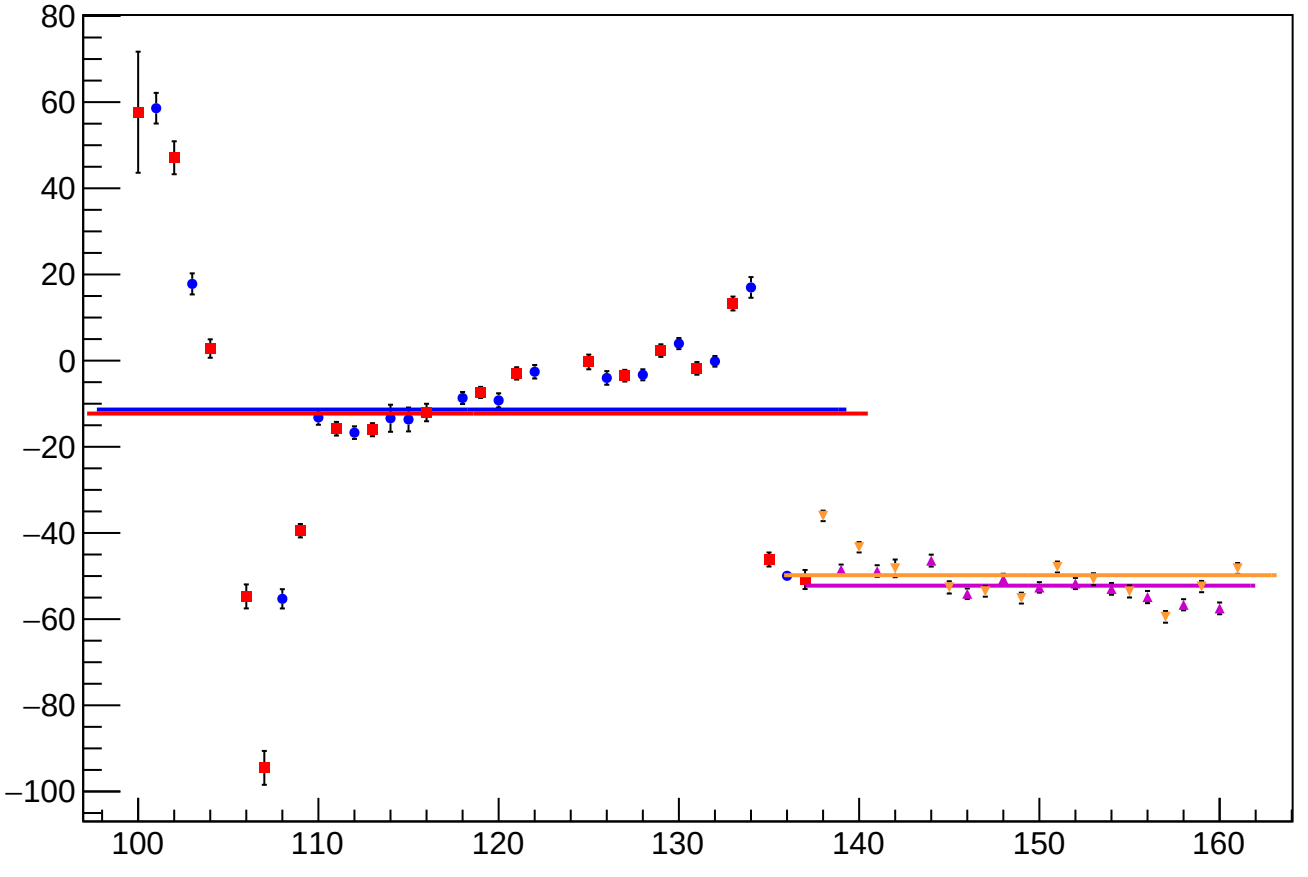
Left: -0.417+/-0.190 χ^2/NDF: 90.4/22

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.948+/-0.218 χ^2/NDF:374.2/26

Out: -1.284+/-0.216 χ^2/NDF:369.6/29

All: -1.613+/-0.153 χ^2/NDF: 748.5/56



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.805+/-0.384 χ^2/NDF:254.8/11

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -52.228+/-0.391 χ^2/NDF:68.2/10

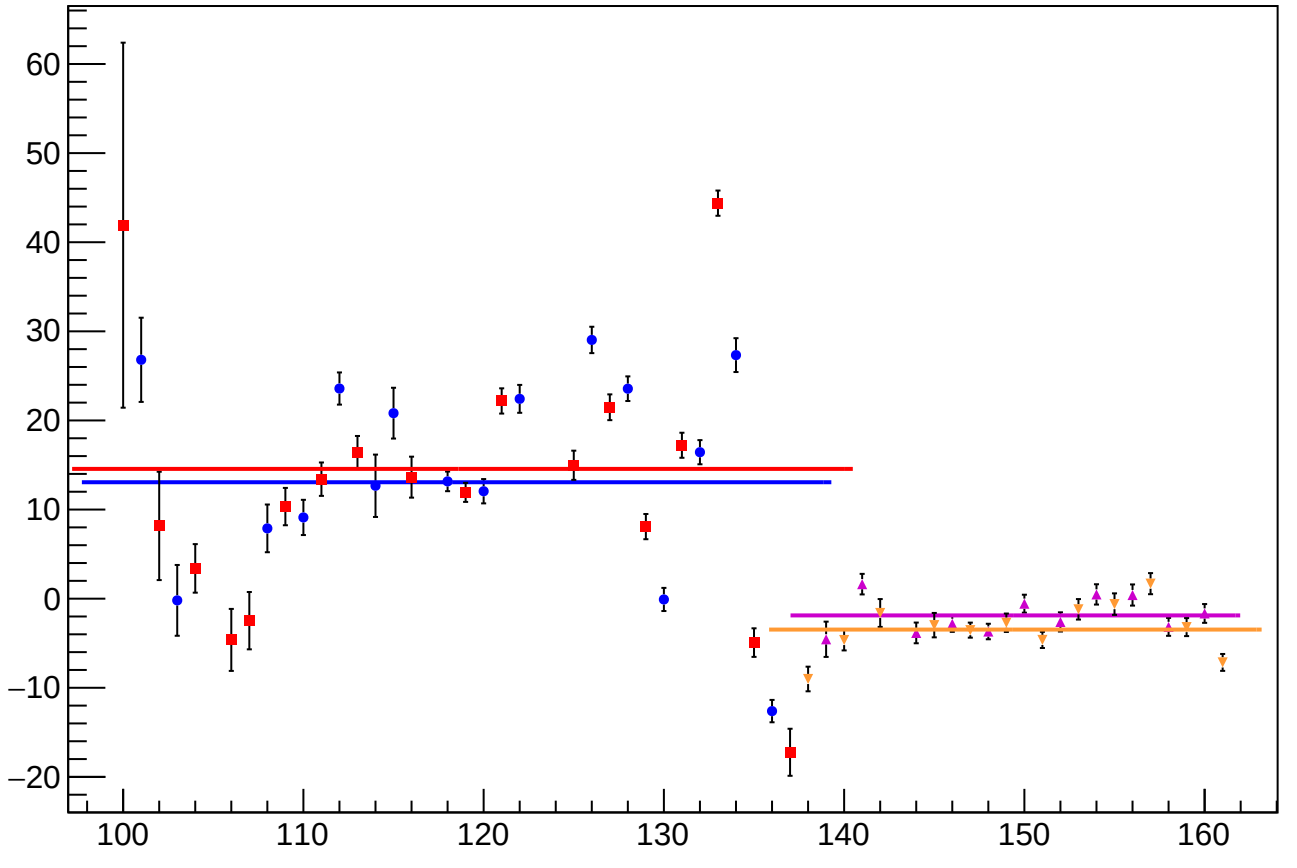
Left: -50.996+/-0.274 χ^2/NDF: 342.6/22

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -32.564+/-0.281 χ^2/NDF:7997.3/26

Out: -32.404+/-0.281 χ^2/NDF:7269.0/29

All: -32.484+/-0.199 χ^2/NDF: 15266.5/56



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.468+/-0.316 χ^2/NDF:64.5/11

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.878+/-0.324 χ^2/NDF:31.2/10

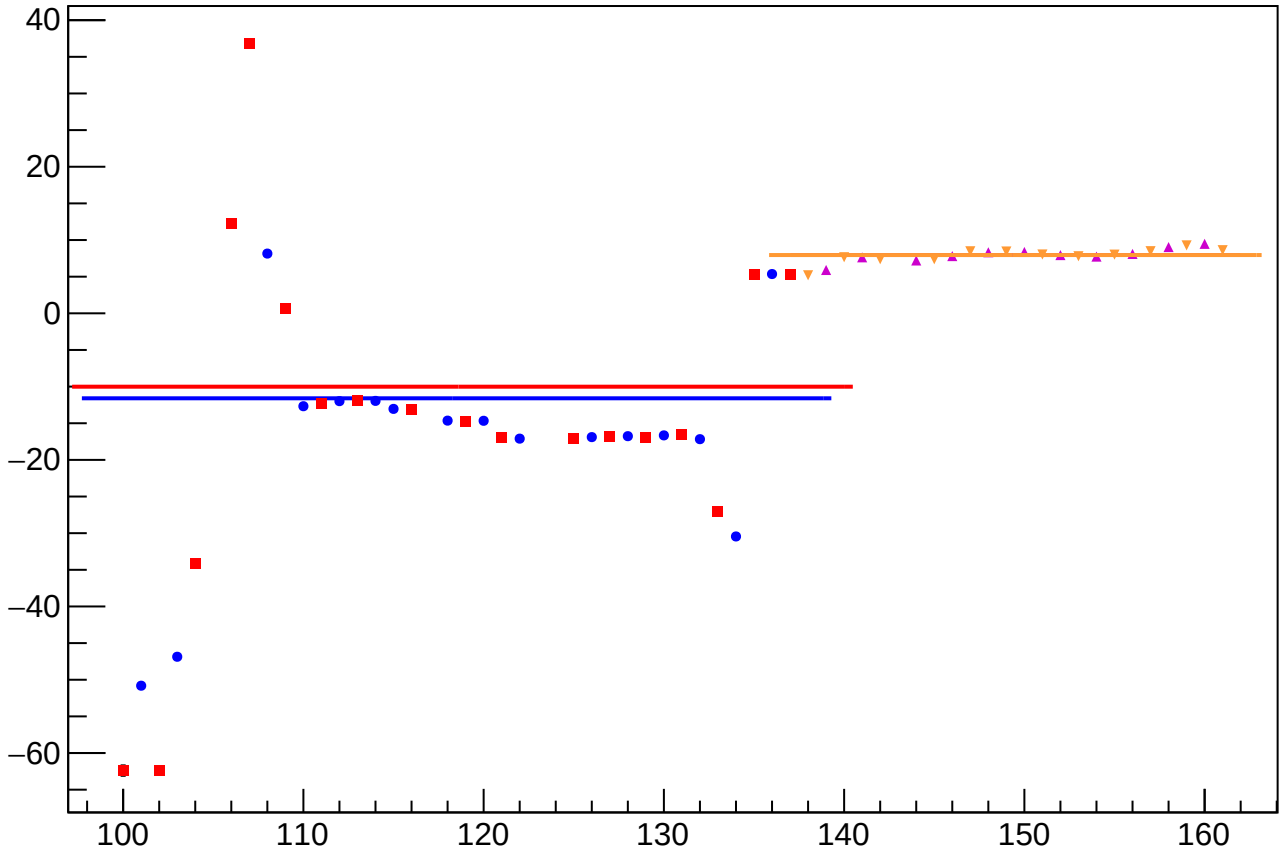
Left: -2.694+/-0.226 χ^2/NDF: 108.0/22

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 3.795+/-0.256 χ^2/NDF:1700.2/26

Out: 3.002+/-0.253 χ^2/NDF:2135.4/29

All: 3.395+/-0.180 χ^2/NDF: 3840.4/56



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.952+/-0.015 χ^2/NDF:4900.2/11

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.957+/-0.015 χ^2/NDF:4225.9/10

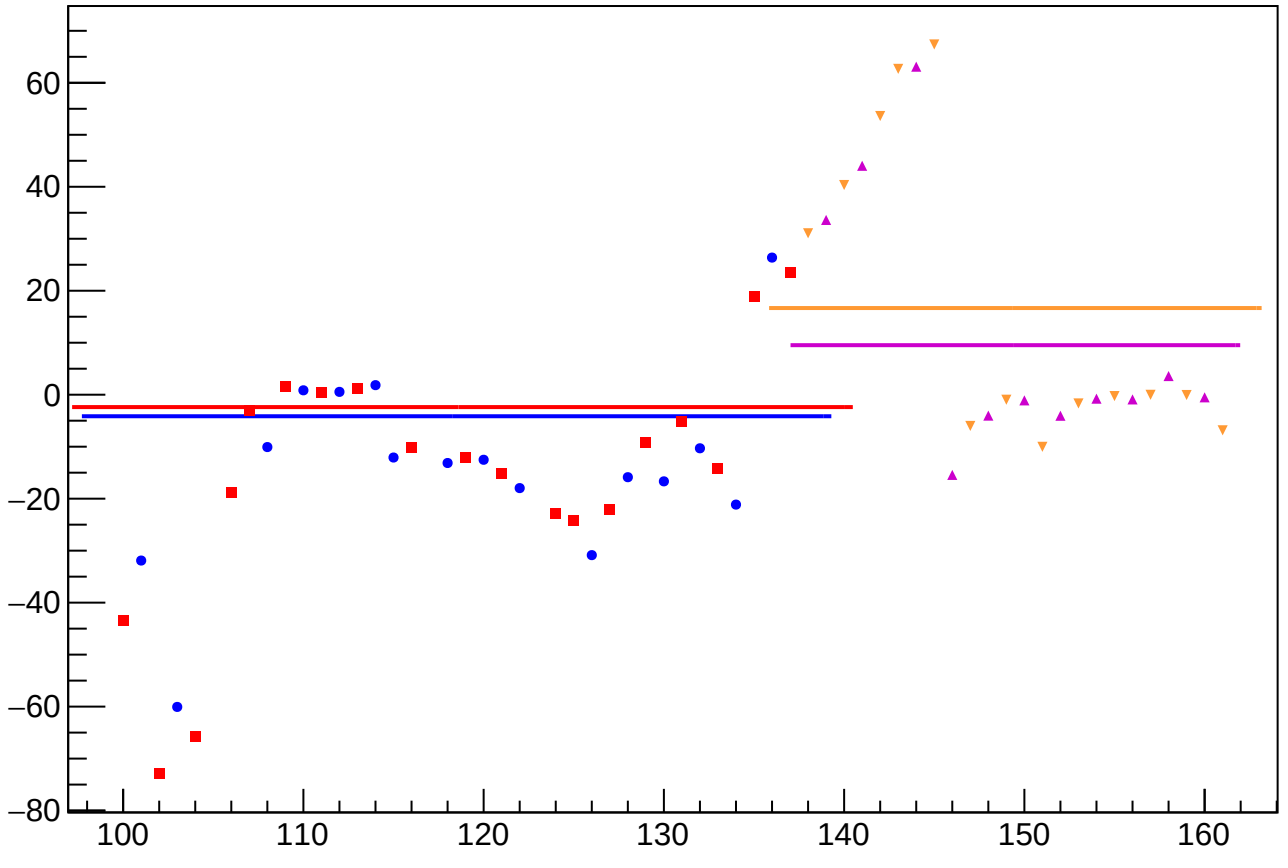
Left: 7.954+/-0.010 χ^2/NDF: 9126.2/22

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.339+/-0.013 χ^2/NDF:786596.8/26

Out: 4.029+/-0.013 χ^2/NDF:736041.5/29

All: 3.683+/-0.009 χ^2/NDF: 1524089.9/56



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 16.670+/-0.073 χ^2/NDF:116864.1/12

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 9.527+/-0.065 χ^2/NDF:102333.3/10

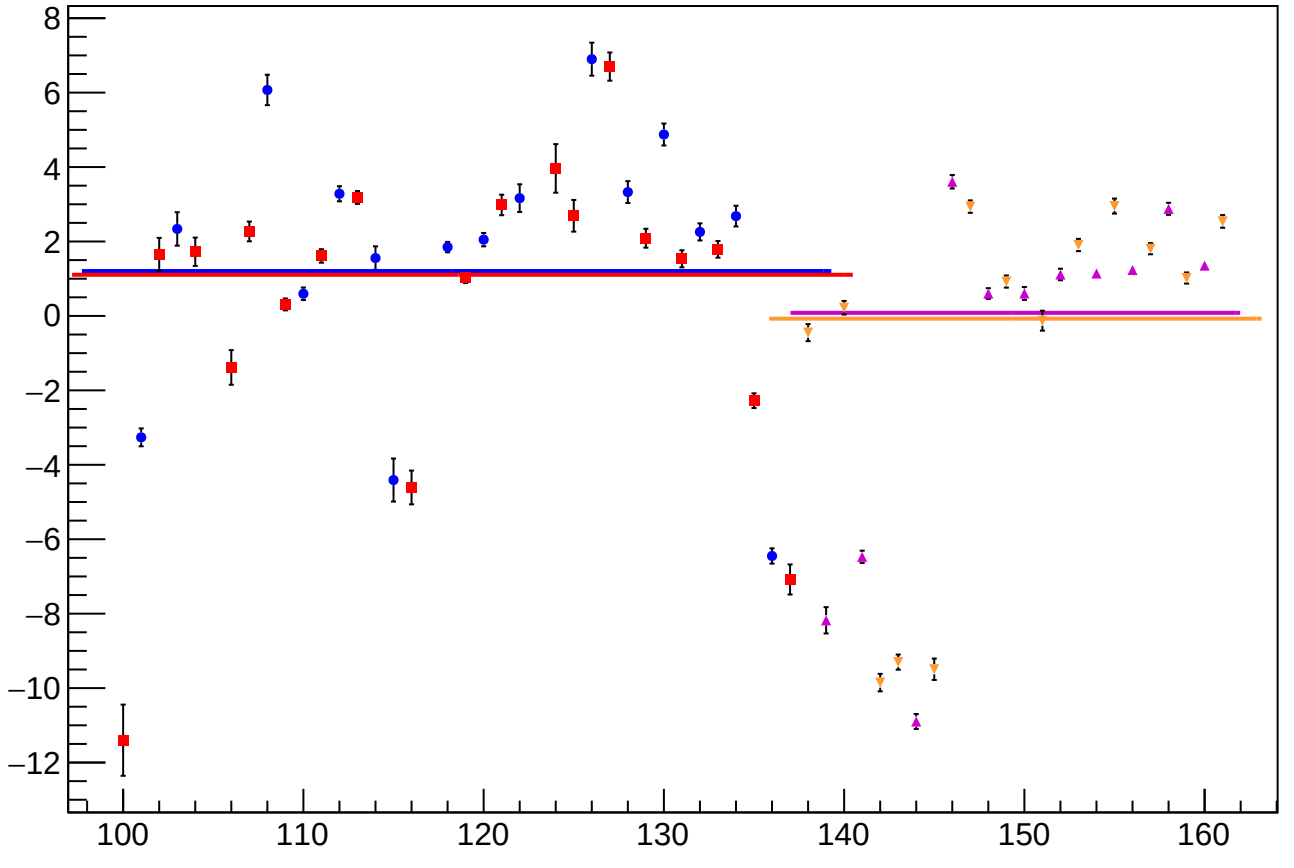
Left: 12.661+/-0.048 χ^2/NDF: 224574.1/23

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.570+/-0.042 χ^2/NDF:203728.5/26

Out: 3.058+/-0.039 χ^2/NDF:246309.5/31

All: 2.364+/-0.028 χ^2/NDF: 450717.6/58



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.073+/-0.052 χ^2/NDF:6039.7/12

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.083+/-0.045 χ^2/NDF:6152.9/10

Left: 0.016+/-0.034 χ^2/NDF: 12197.8/23

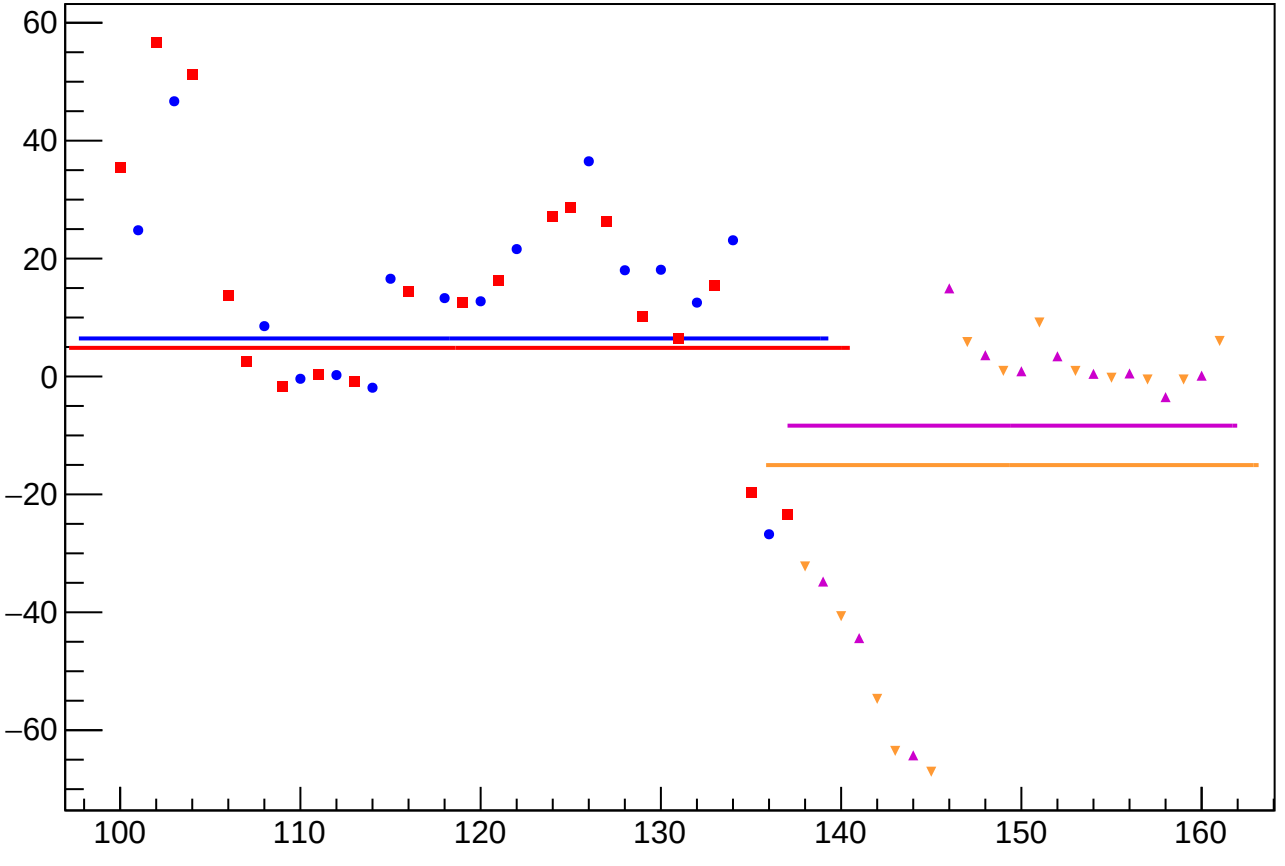
Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.480+/-0.036 χ^2/NDF:8960.7/26

Out: 0.456+/-0.038 χ^2/NDF:7860.8/31

All: 0.469+/-0.026 χ^2/NDF: 16821.6/58

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -15.030+/-0.071 χ^2/NDF:117851.0/12

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -8.341+/-0.061 χ^2/NDF:102797.3/10

Left: -11.221+/-0.046 χ^2/NDF: 225754.6/23

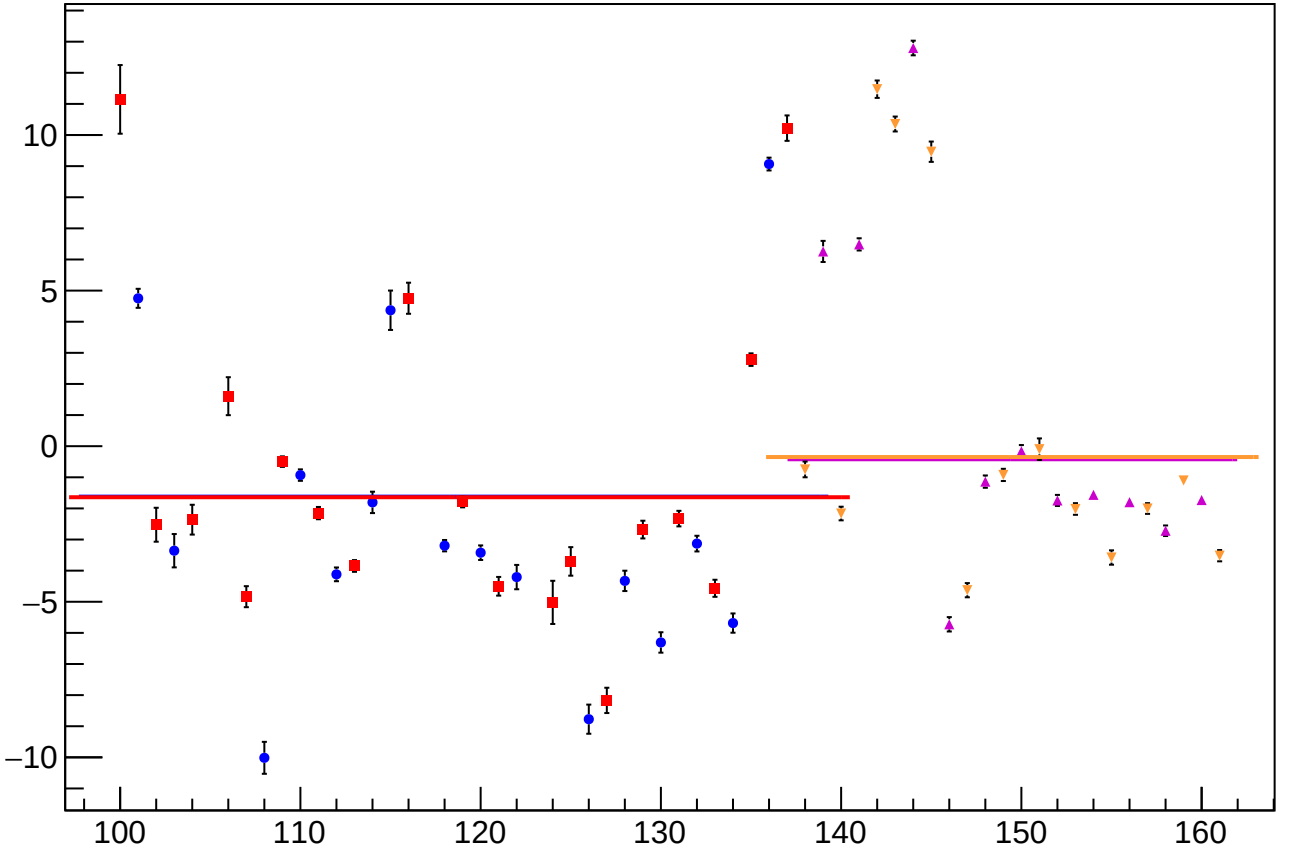
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.387+/-0.045 χ^2/NDF:200743.5/26

Out: -3.343+/-0.045 χ^2/NDF:239693.7/31

All: -2.351+/-0.032 χ^2/NDF: 441380.1/58

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.349+/-0.060 χ^2/NDF:5808.1/12

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.420+/-0.051 χ^2/NDF:5865.8/10

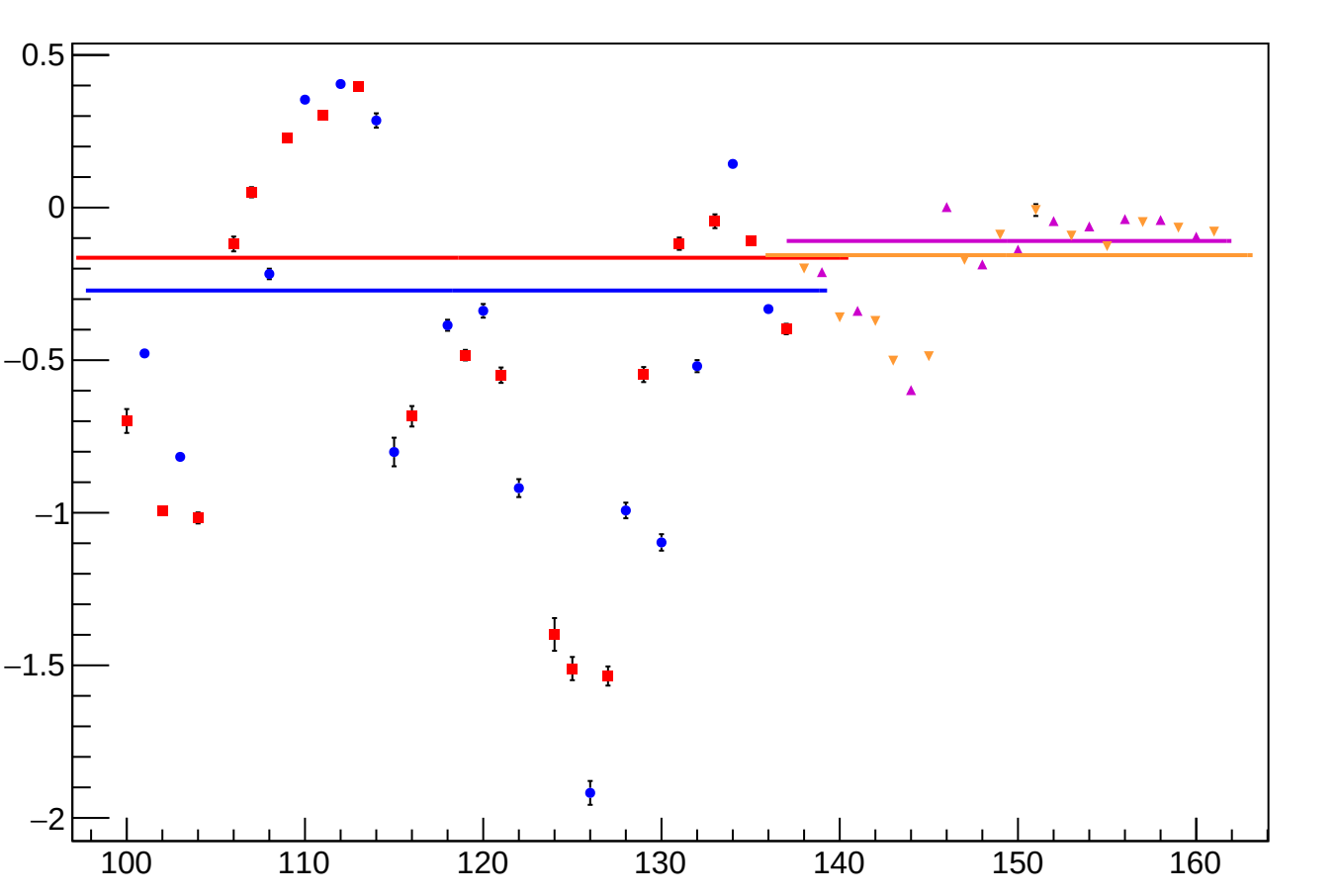
Left: -0.390+/-0.039 χ^2/NDF: 11674.8/23

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.844+/-0.041 χ^2/NDF:10583.9/26

Out: -0.944+/-0.044 χ^2/NDF:8486.0/31

All: -0.891+/-0.030 χ^2/NDF: 19072.6/58



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.156+/-0.003 χ^2/NDF:2800.4/12

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.109+/-0.002 χ^2/NDF:2914.7/10

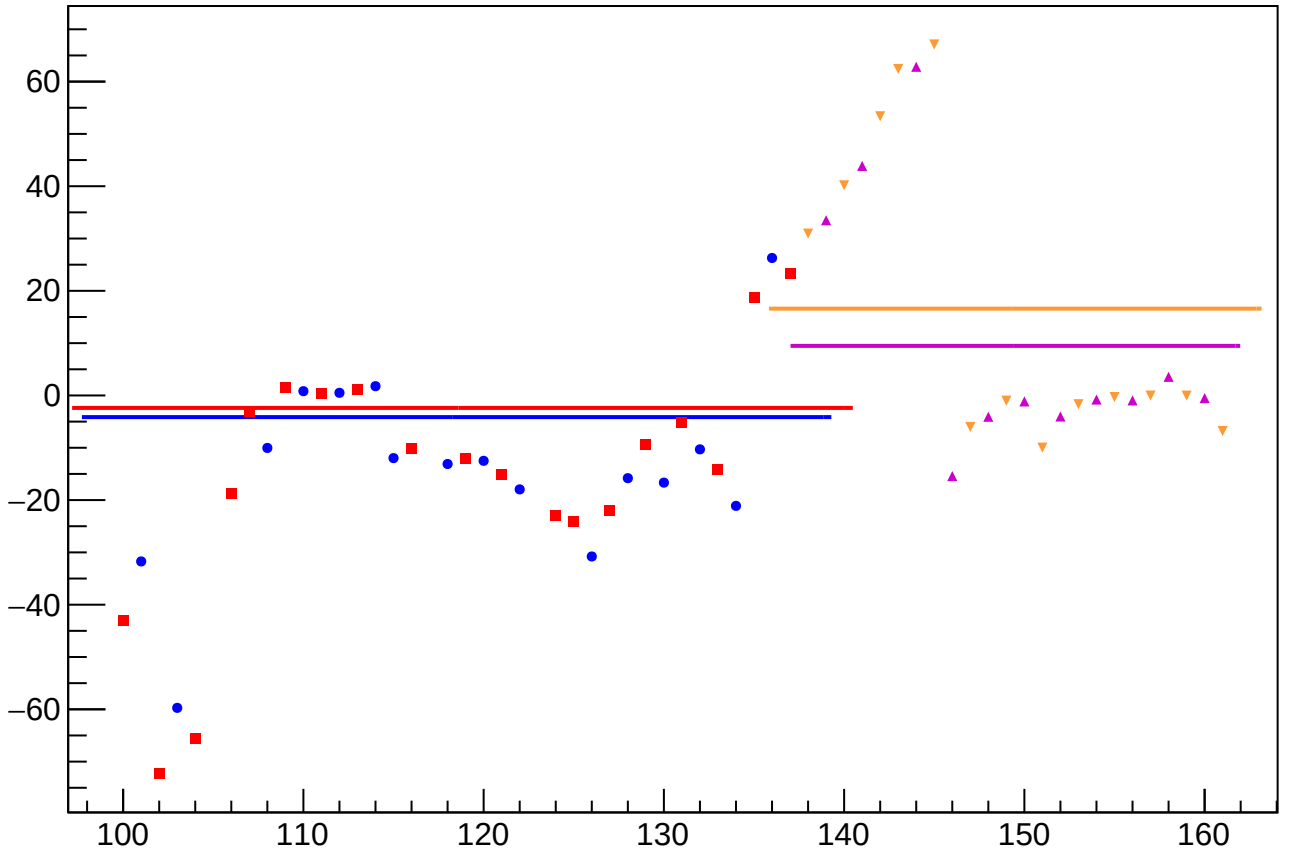
Left: -0.128+/-0.002 χ^2/NDF: 5902.2/23

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.144+/-0.002 χ^2/NDF:16160.2/26

Out: -0.159+/-0.002 χ^2/NDF:18300.7/31

All: -0.151+/-0.001 χ^2/NDF: 34484.9/58



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 16.598+/-0.073 χ^2/NDF:116682.3/12

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 9.479+/-0.064 χ^2/NDF:102269.1/10

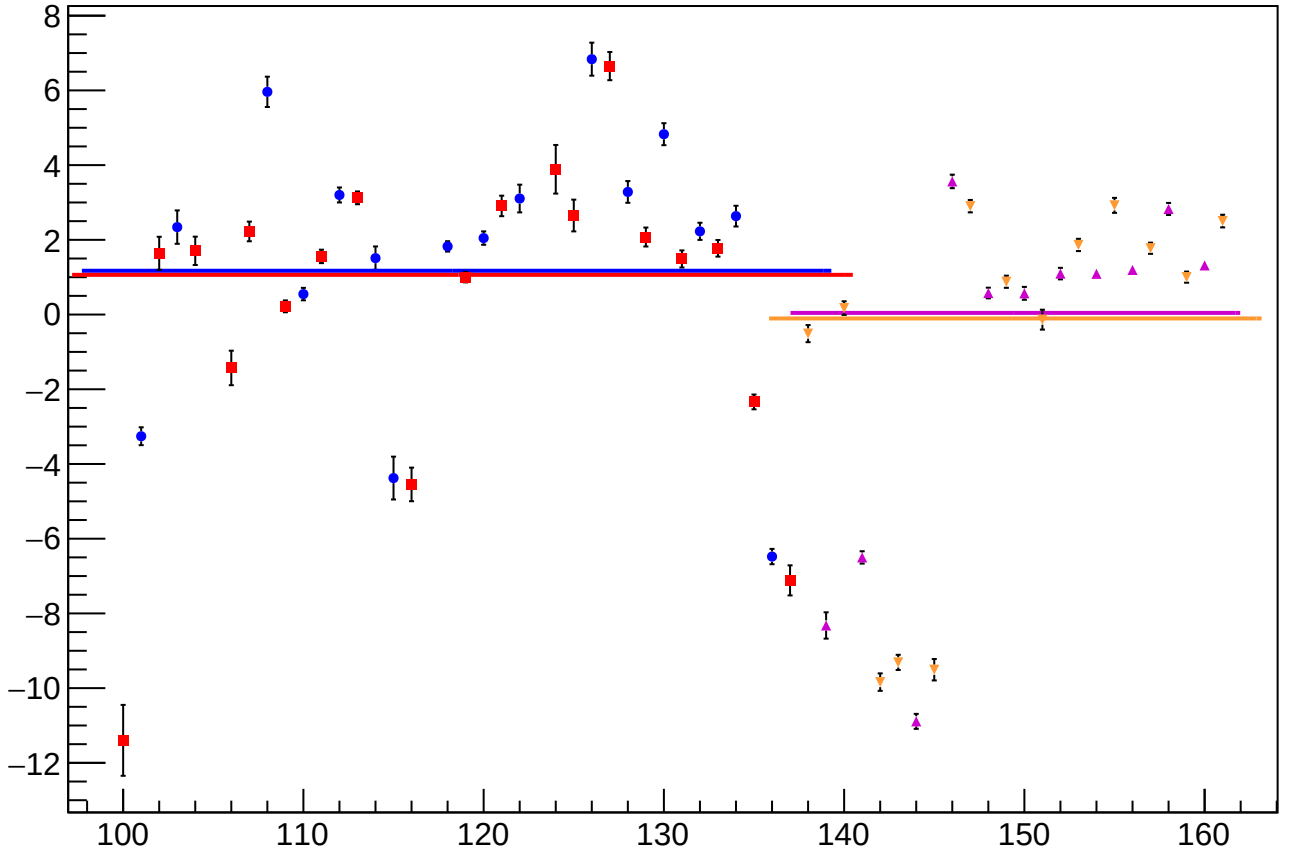
Left: 12.604+/-0.048 χ^2/NDF: 224324.9/23

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.530+/-0.042 χ^2/NDF:203645.6/26

Out: 3.015+/-0.039 χ^2/NDF:246071.4/31

All: 2.323+/-0.028 χ^2/NDF: 450400.2/58



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.105+/-0.052 χ^2/NDF:6048.2/12

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.044+/-0.045 χ^2/NDF:6171.3/10

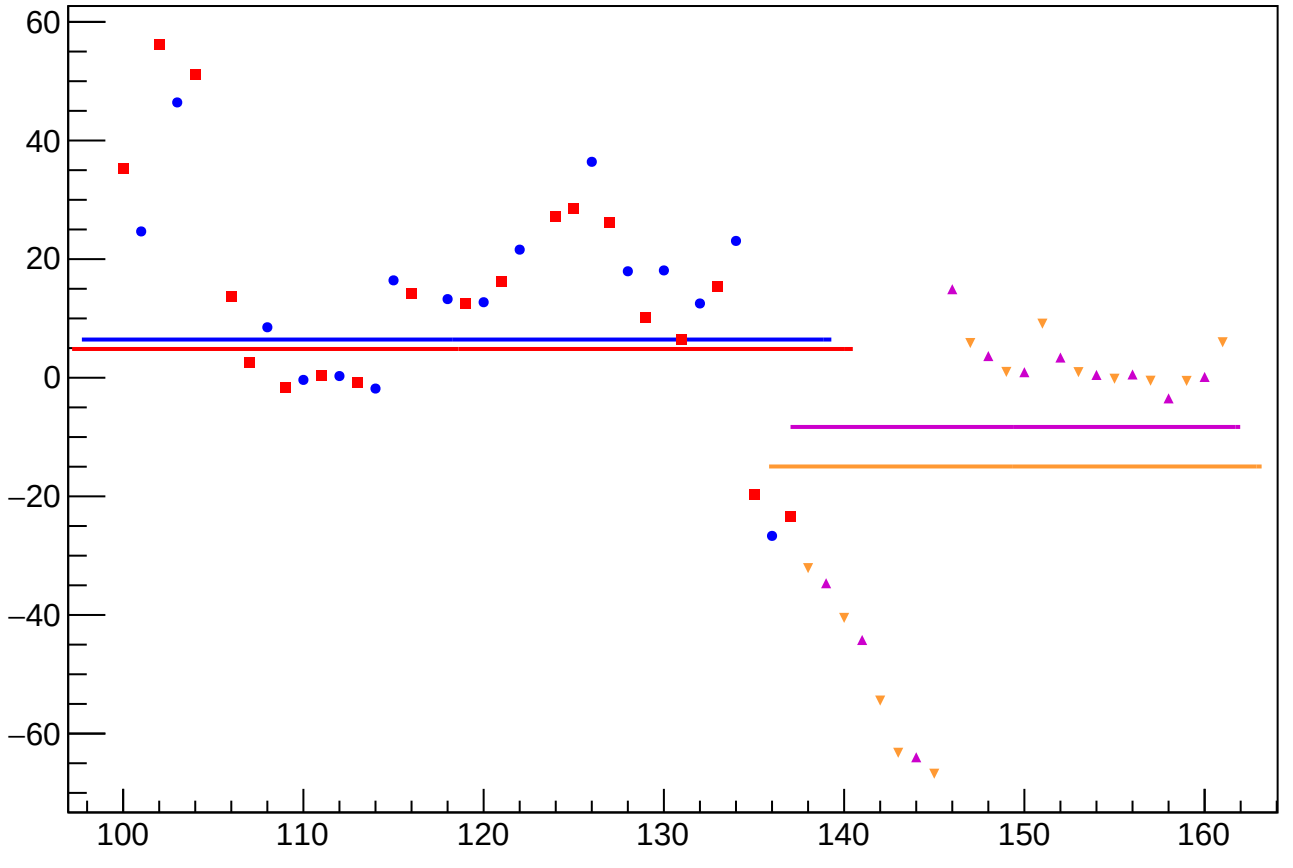
Left: -0.019+/-0.034 χ^2/NDF: 12224.3/23

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.444+/-0.036 χ^2/NDF:8983.1/26

Out: 0.421+/-0.038 χ^2/NDF:7876.0/31

All: 0.433+/-0.026 χ^2/NDF: 16859.3/58



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -14.964+/-0.070 χ^2/NDF:117665.9/12

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -8.297+/-0.061 χ^2/NDF:102722.9/10

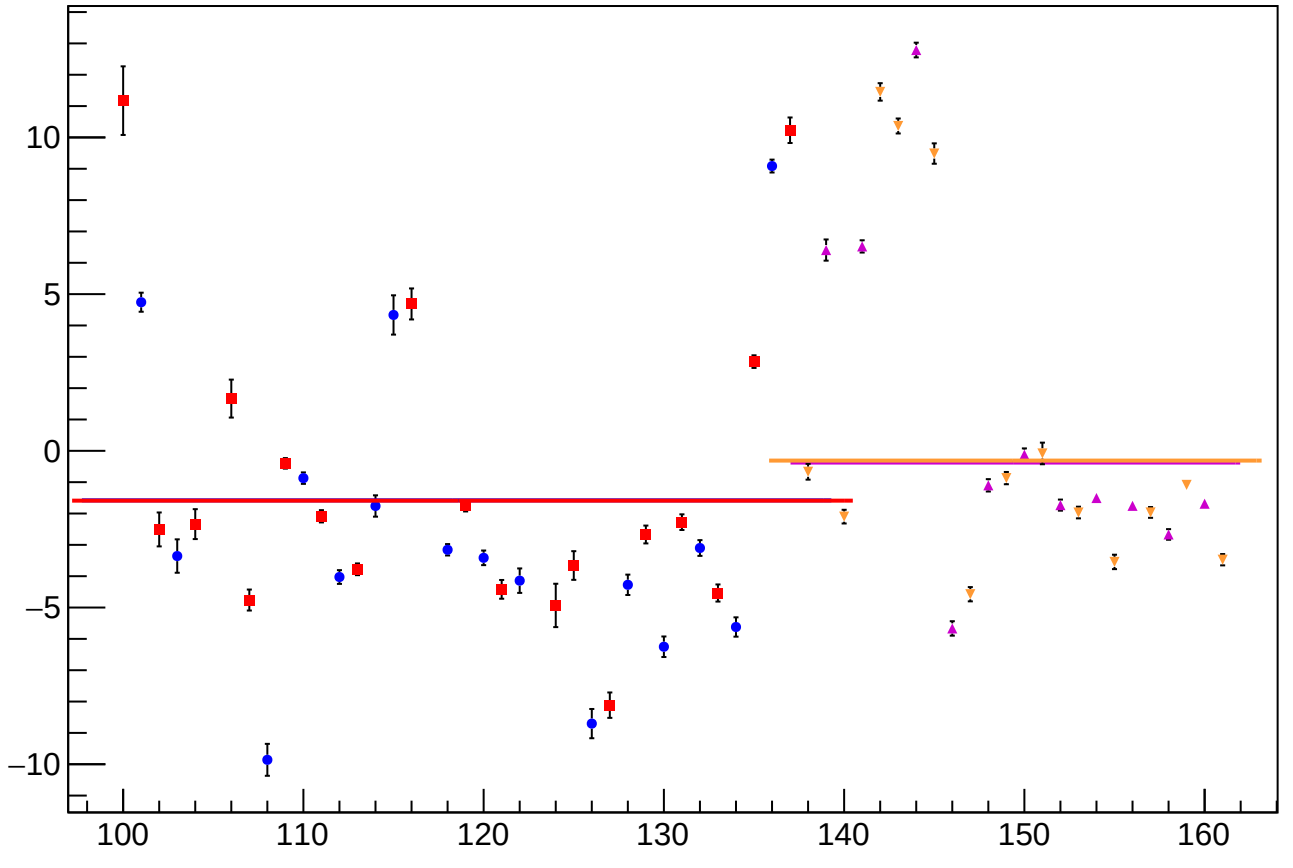
Left: -11.169+/-0.046 χ^2/NDF: 225492.4/23

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.347+/-0.045 χ^2/NDF:200647.8/26

Out: -3.296+/-0.045 χ^2/NDF:239458.0/31

All: -2.308+/-0.032 χ^2/NDF: 441050.0/58



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.311+/-0.059 χ^2/NDF:5811.4/12

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.374+/-0.051 χ^2/NDF:5883.8/10

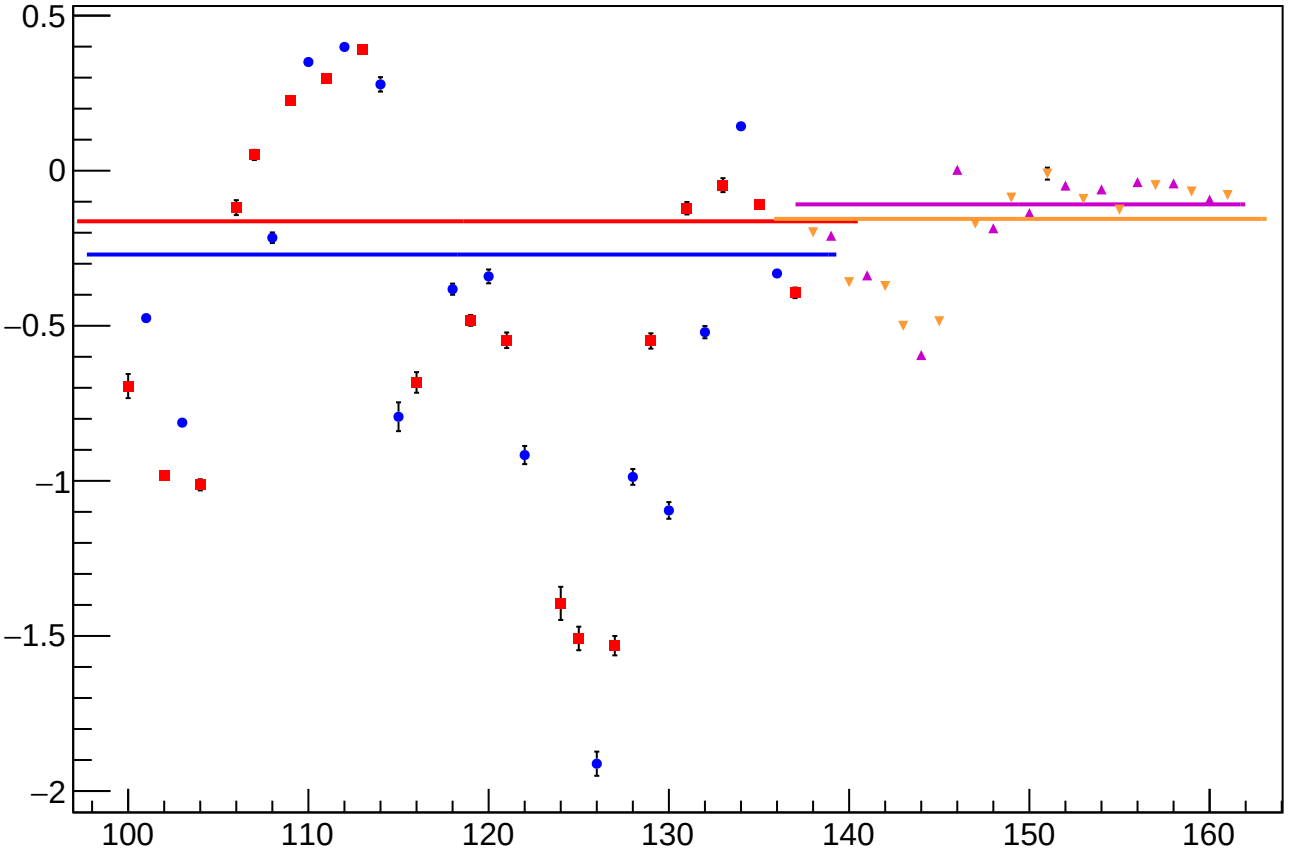
Left: -0.347+/-0.039 χ^2/NDF: 11695.9/23

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.801+/-0.041 χ^2/NDF:10603.9/26

Out: -0.901+/-0.044 χ^2/NDF:8496.7/31

All: -0.848+/-0.030 χ^2/NDF: 19103.4/58



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.155+/-0.003 χ^2/NDF:2810.3/12

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.109+/-0.002 χ^2/NDF:2902.1/10

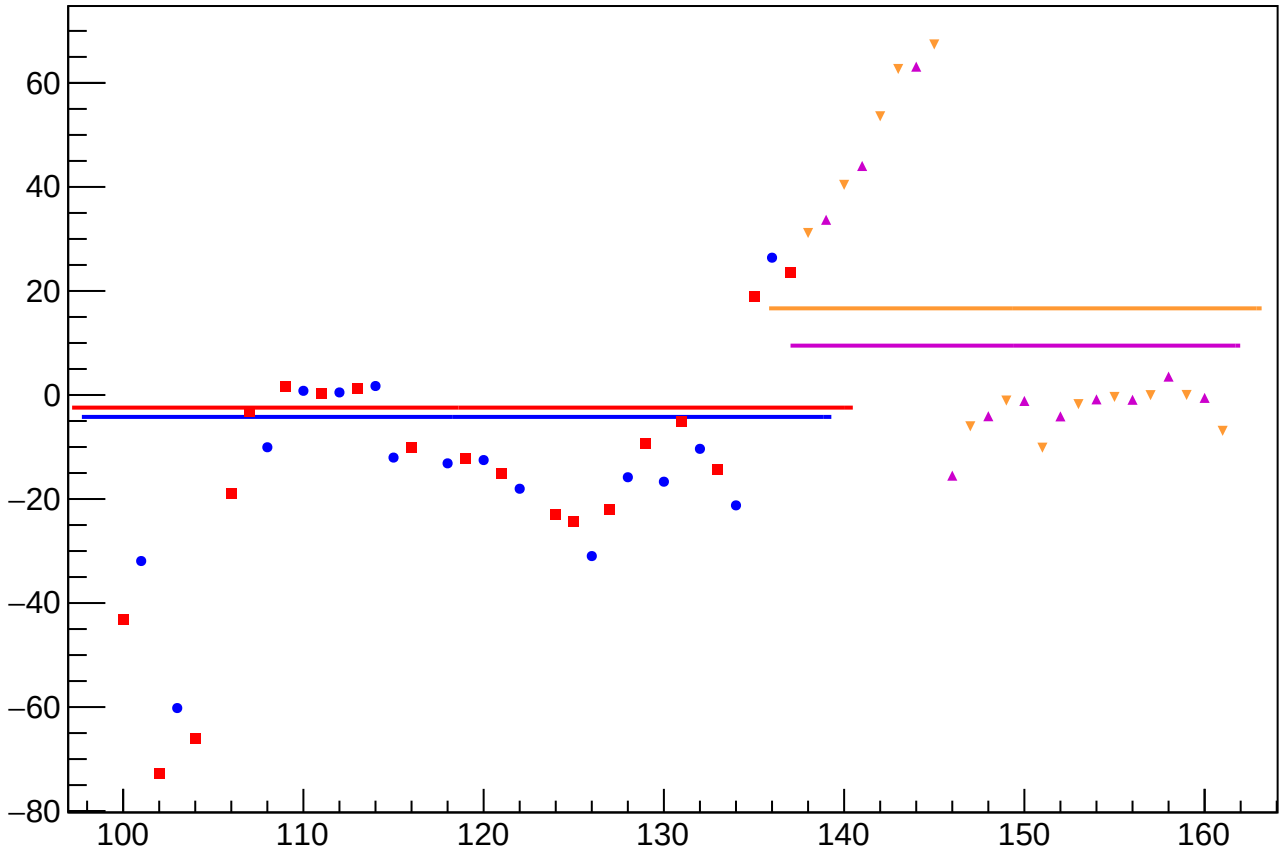
Left: -0.128+/-0.002 χ^2/NDF: 5902.7/23

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.144+/-0.002 χ^2/NDF:16137.1/26

Out: -0.158+/-0.002 χ^2/NDF:18323.2/31

All: -0.150+/-0.001 χ^2/NDF: 34484.6/58



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 16.657+/-0.073 χ^2/NDF:116976.9/12

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 9.490+/-0.065 χ^2/NDF:102423.6/10

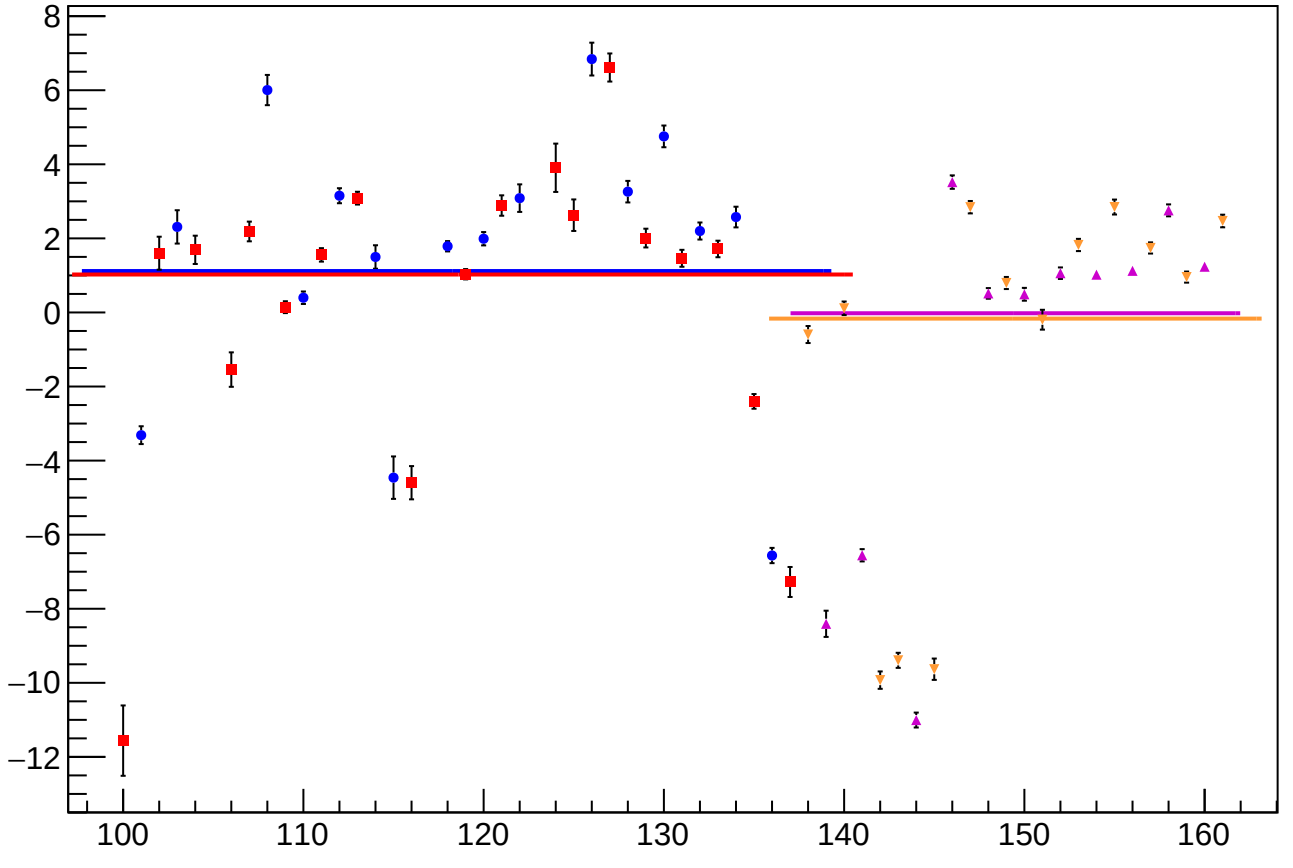
Left: 12.635+/-0.048 χ^2/NDF: 224802.7/23

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.511+/-0.042 χ^2/NDF:203851.3/26

Out: 3.022+/-0.039 χ^2/NDF:246466.2/31

All: 2.317+/-0.029 χ^2/NDF: 451016.7/58



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.166+/-0.052 χ^2/NDF:6046.1/12

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -0.021+/-0.045 χ^2/NDF:6147.2/10

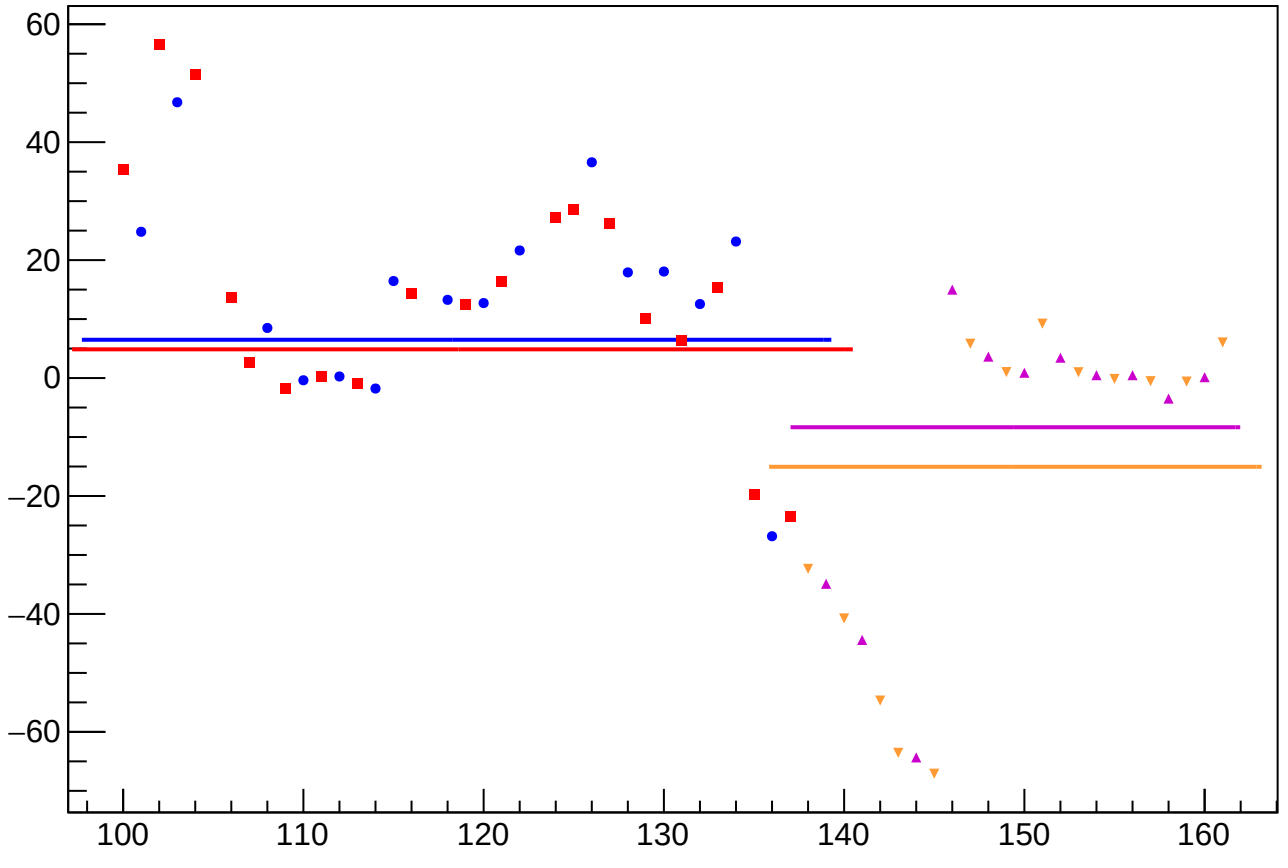
Left: -0.083+/-0.034 χ^2/NDF: 12197.7/23

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.381+/-0.036 χ^2/NDF:8968.8/26

Out: 0.369+/-0.038 χ^2/NDF:7896.3/31

All: 0.376+/-0.026 χ^2/NDF: 16865.2/58



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -15.049+/-0.071 χ^2/NDF:117979.3/12

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -8.340+/-0.061 χ^2/NDF:102879.0/10

Left: -11.229+/-0.046 χ^2/NDF: 225983.7/23

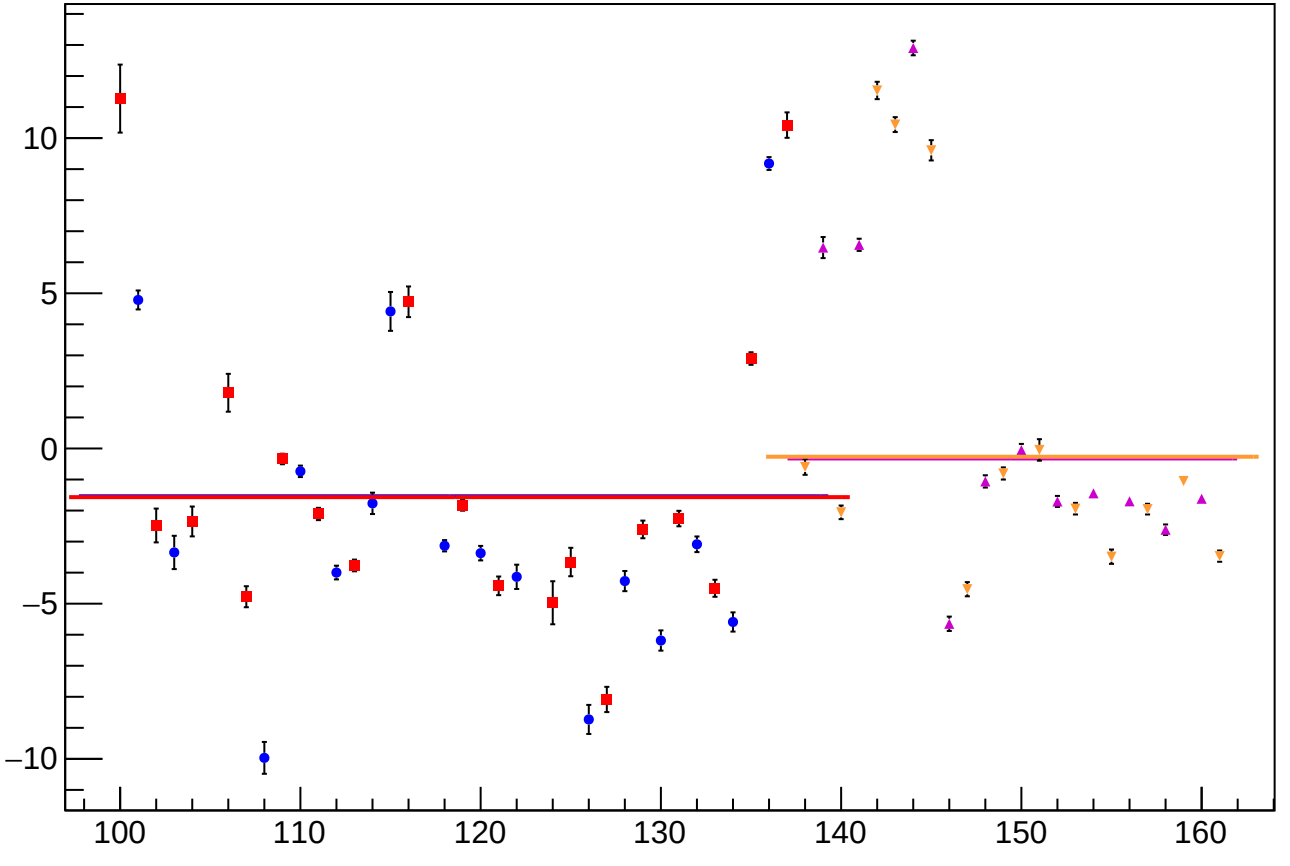
Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.362+/-0.045 χ^2/NDF:200886.7/26

Out: -3.339+/-0.045 χ^2/NDF:239894.8/31

All: -2.336+/-0.032 χ^2/NDF: 441743.2/58

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.266+/-0.060 χ^2/NDF:5812.8/12

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.322+/-0.051 χ^2/NDF:5867.0/10

Left: -0.298+/-0.039 χ^2/NDF: 11680.3/23

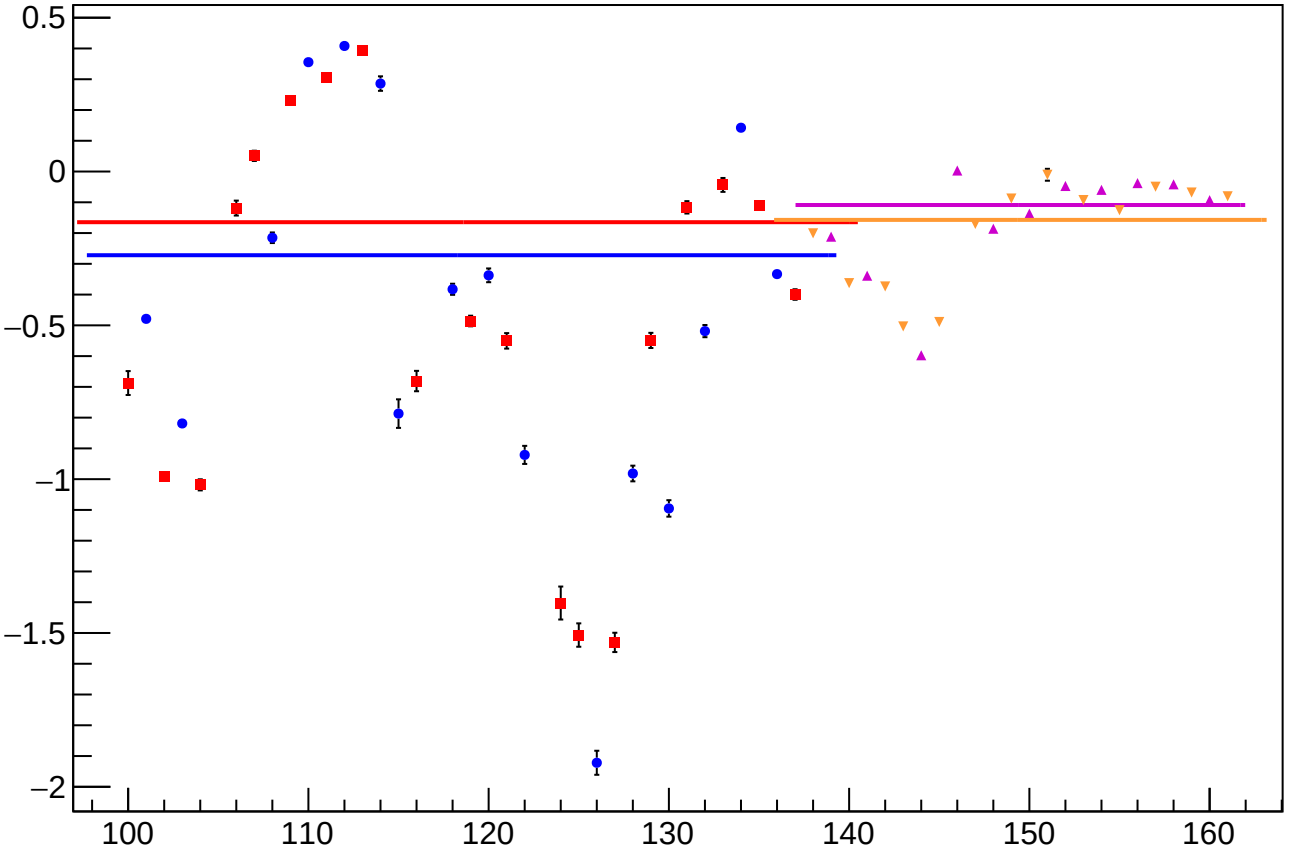
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.752+/-0.041 χ^2/NDF:10601.0/26

Out: -0.866+/-0.044 χ^2/NDF:8528.6/31

All: -0.806+/-0.030 χ^2/NDF: 19133.2/58

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.157+/-0.003 χ^2/NDF:2806.8/12

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.109+/-0.002 χ^2/NDF:2908.7/10

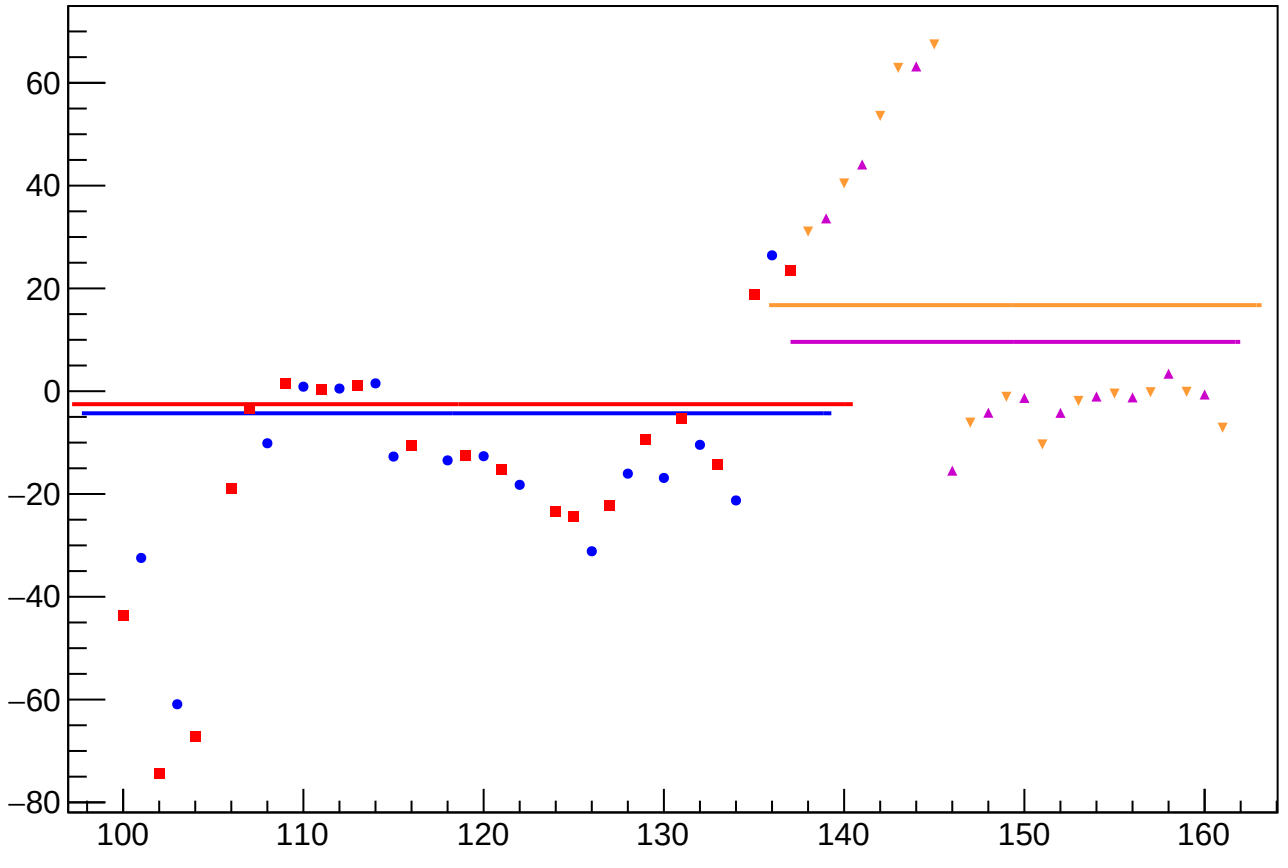
Left: -0.129+/-0.002 χ^2/NDF: 5917.0/23

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.144+/-0.002 χ^2/NDF:16180.1/26

Out: -0.160+/-0.002 χ^2/NDF:18299.9/31

All: -0.151+/-0.001 χ^2/NDF: 34508.5/58



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 16.745+/-0.074 χ^2/NDF:115219.2/12

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 9.595+/-0.066 χ^2/NDF:100619.9/10

Left: 12.759+/-0.049 χ^2/NDF: 221038.7/23

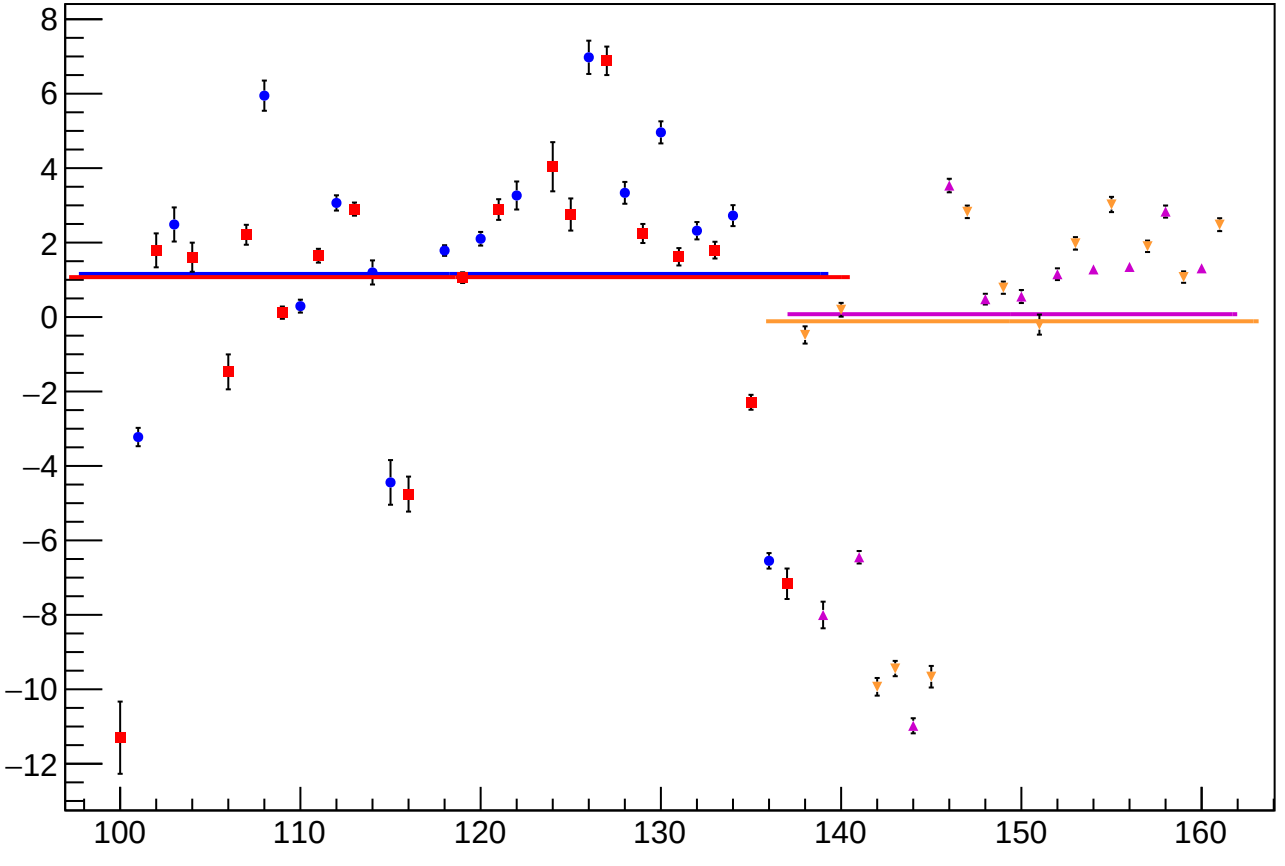
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.491+/-0.043 χ^2/NDF:200716.2/26

Out: 3.049+/-0.040 χ^2/NDF:243254.5/31

All: 2.322+/-0.029 χ^2/NDF: 444685.6/58

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.114+/-0.052 χ^2/NDF:6036.1/12

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.076+/-0.046 χ^2/NDF:6035.4/10

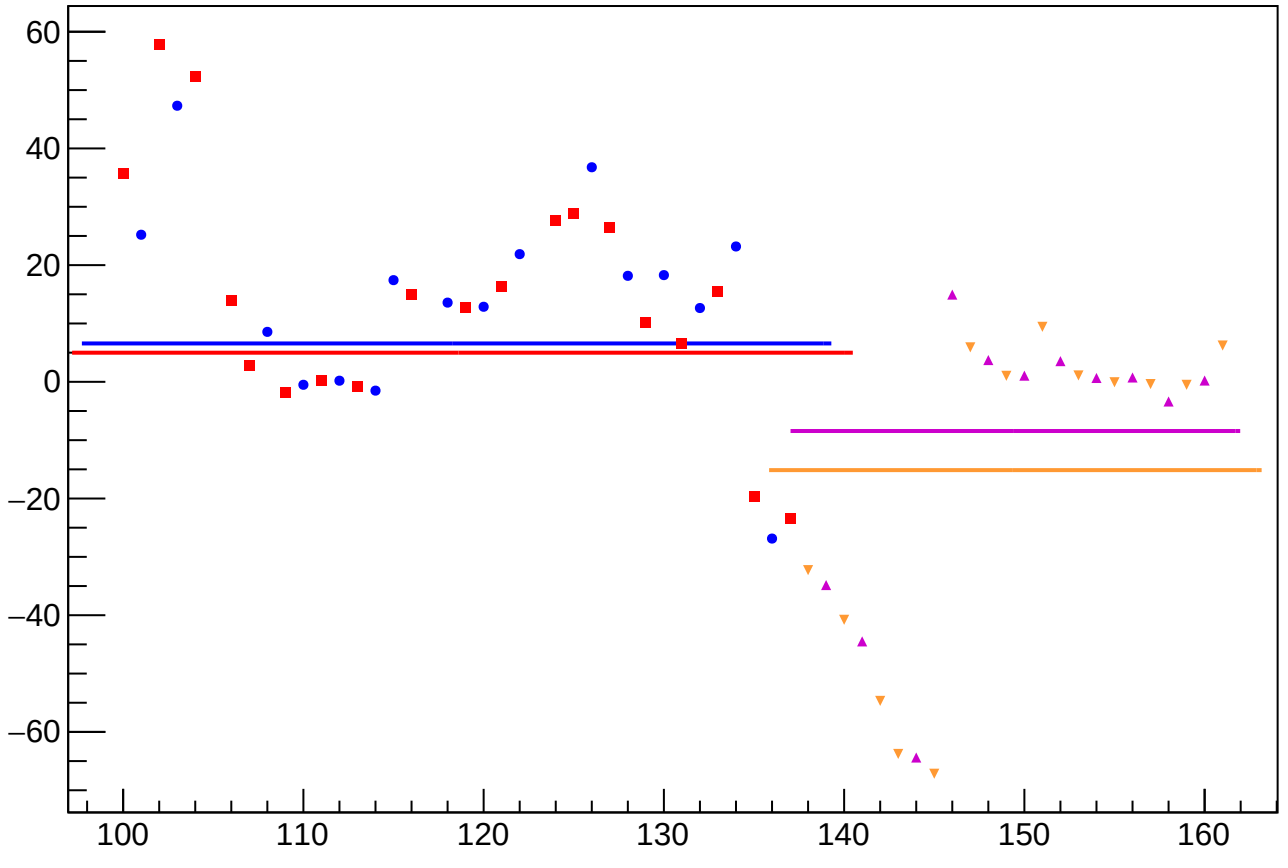
Left: -0.006+/-0.034 χ^2/NDF: 12079.0/23

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.460+/-0.037 χ^2/NDF:8784.7/26

Out: 0.416+/-0.039 χ^2/NDF:7816.1/31

All: 0.439+/-0.027 χ^2/NDF: 16601.5/58



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -15.133+/-0.072 χ^2/NDF:116184.7/12

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -8.429+/-0.063 χ^2/NDF:101086.0/10

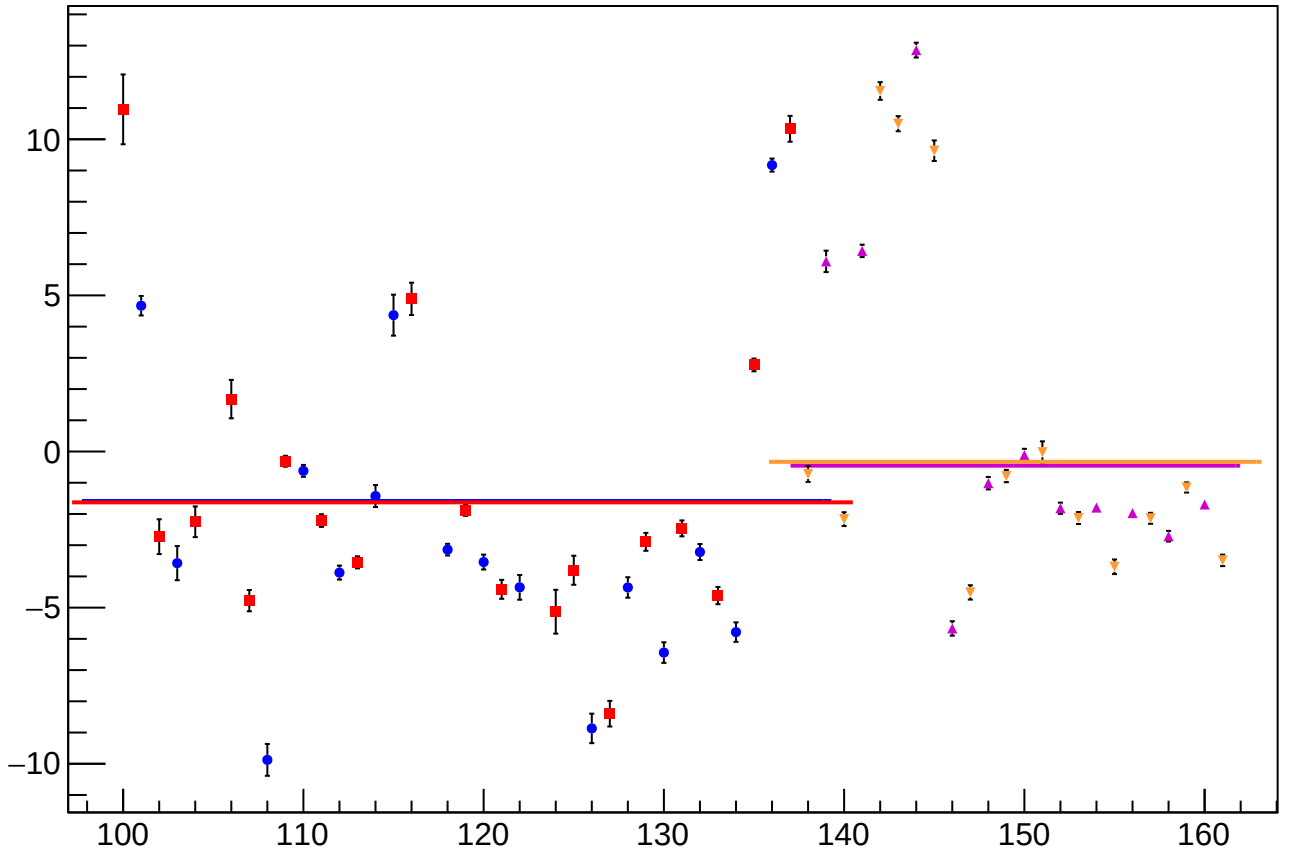
Left: -11.341+/-0.047 χ^2/NDF: 222217.7/23

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.340+/-0.046 χ^2/NDF:197773.2/26

Out: -3.366+/-0.046 χ^2/NDF:236726.3/31

All: -2.341+/-0.032 χ^2/NDF: 435473.1/58



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.330+/-0.061 χ^2/NDF:5805.0/12

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.453+/-0.053 χ^2/NDF:5773.2/10

Left: -0.400+/-0.040 χ^2/NDF: 11580.6/23

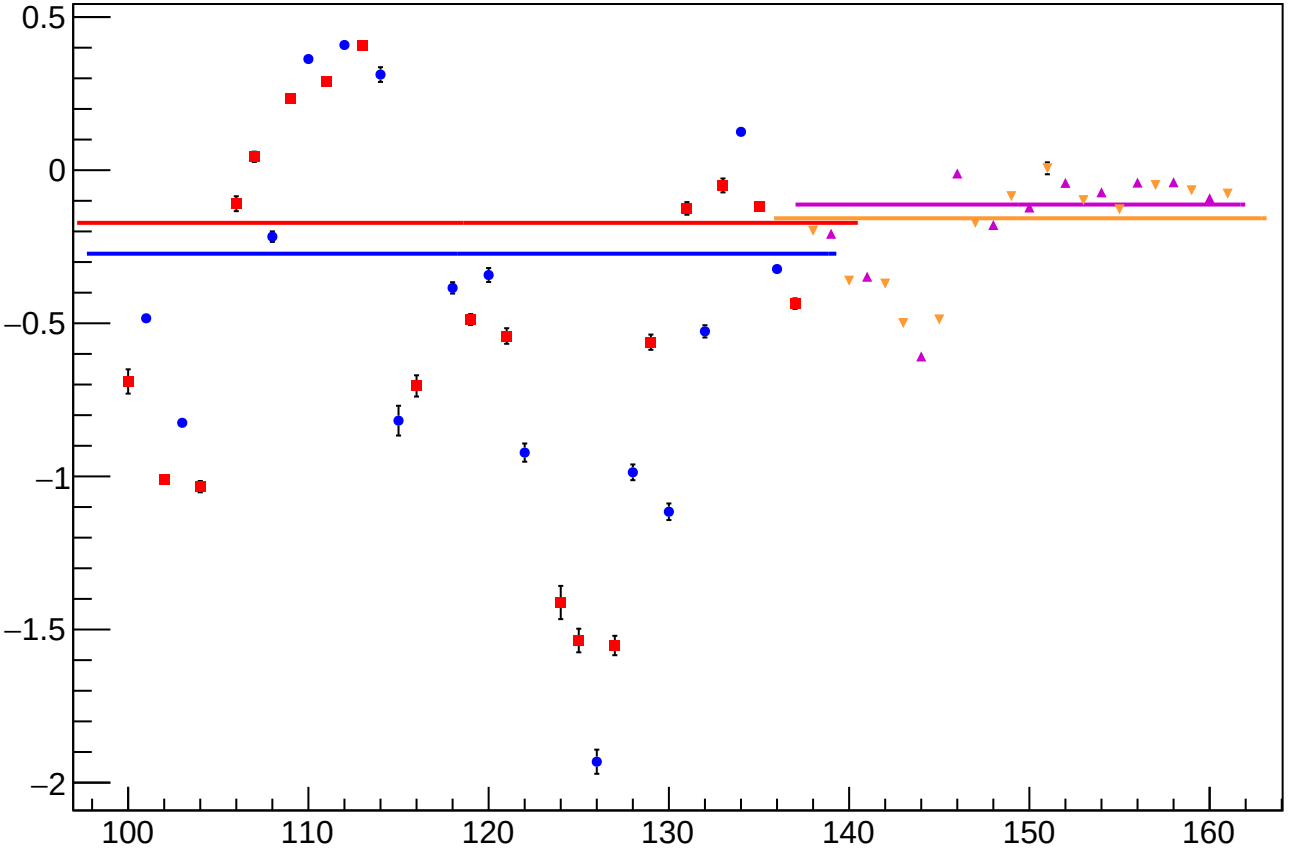
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.856+/-0.042 χ^2/NDF:10410.9/26

Out: -0.925+/-0.045 χ^2/NDF:8437.8/31

All: -0.888+/-0.031 χ^2/NDF: 18849.9/58

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: -0.157+/-0.003 χ^2/NDF:2726.2/12

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.112+/-0.002 χ^2/NDF:2863.1/10

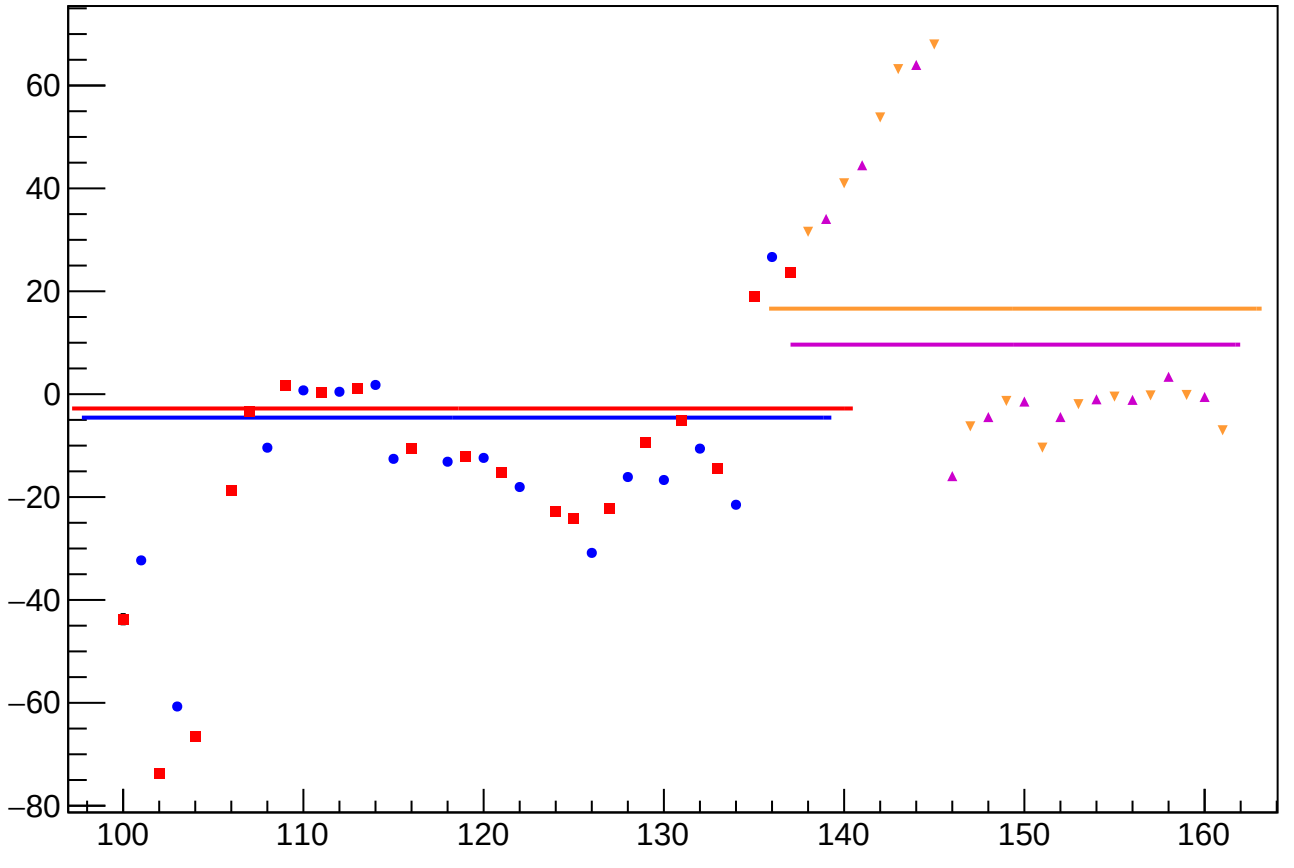
Left: -0.131+/-0.002 χ^2/NDF: 5755.7/23

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.147+/-0.002 χ^2/NDF:15847.3/26

Out: -0.162+/-0.002 χ^2/NDF:18058.6/31

All: -0.154+/-0.001 χ^2/NDF: 33929.8/58



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 16.625+/-0.075 χ^2/NDF:114214.2/12

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 9.630+/-0.067 χ^2/NDF:99466.5/10

Left: 12.741+/-0.050 χ^2/NDF: 218517.9/23

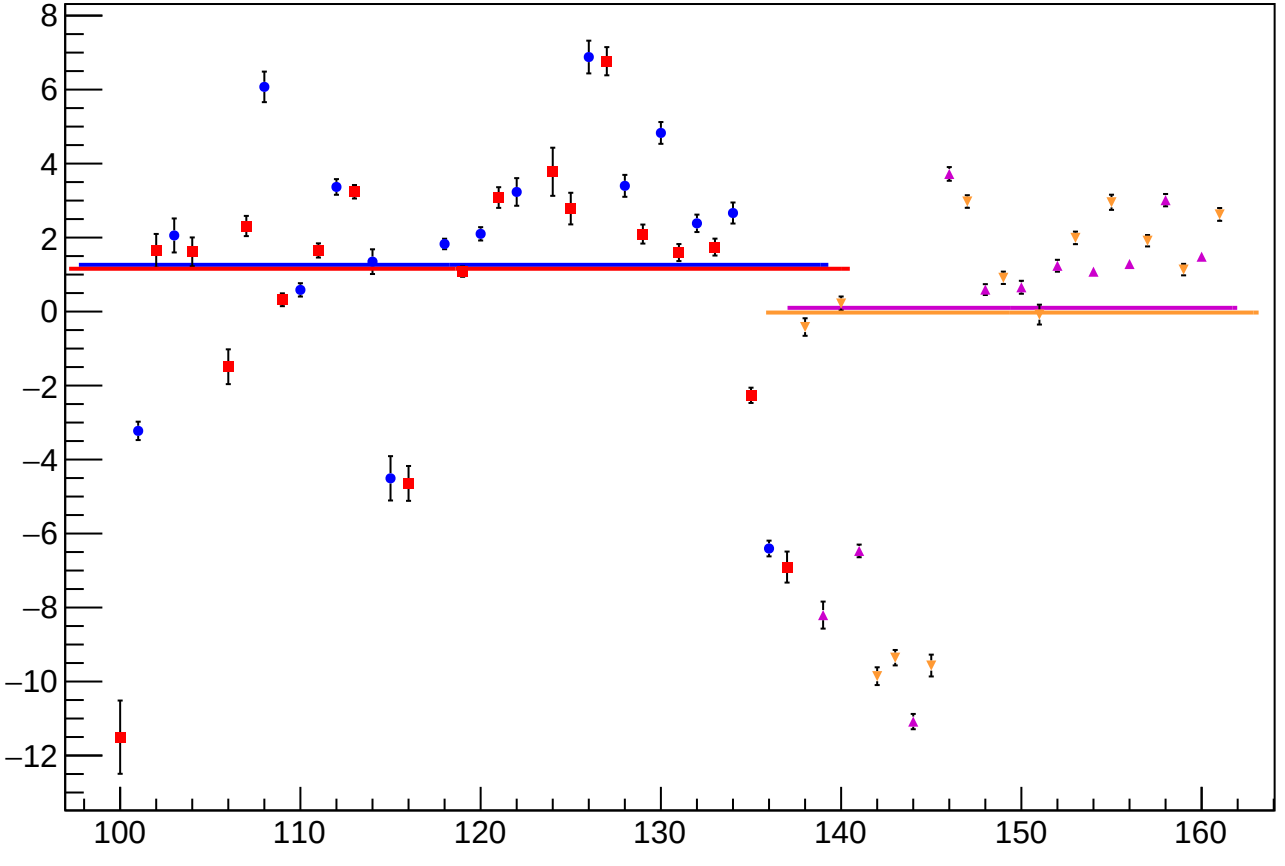
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.368+/-0.043 χ^2/NDF:198152.7/26

Out: 2.949+/-0.041 χ^2/NDF:239357.7/31

All: 2.207+/-0.030 χ^2/NDF: 438216.9/58

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.027+/-0.053 χ^2/NDF:5867.3/12

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.101+/-0.046 χ^2/NDF:5975.9/10

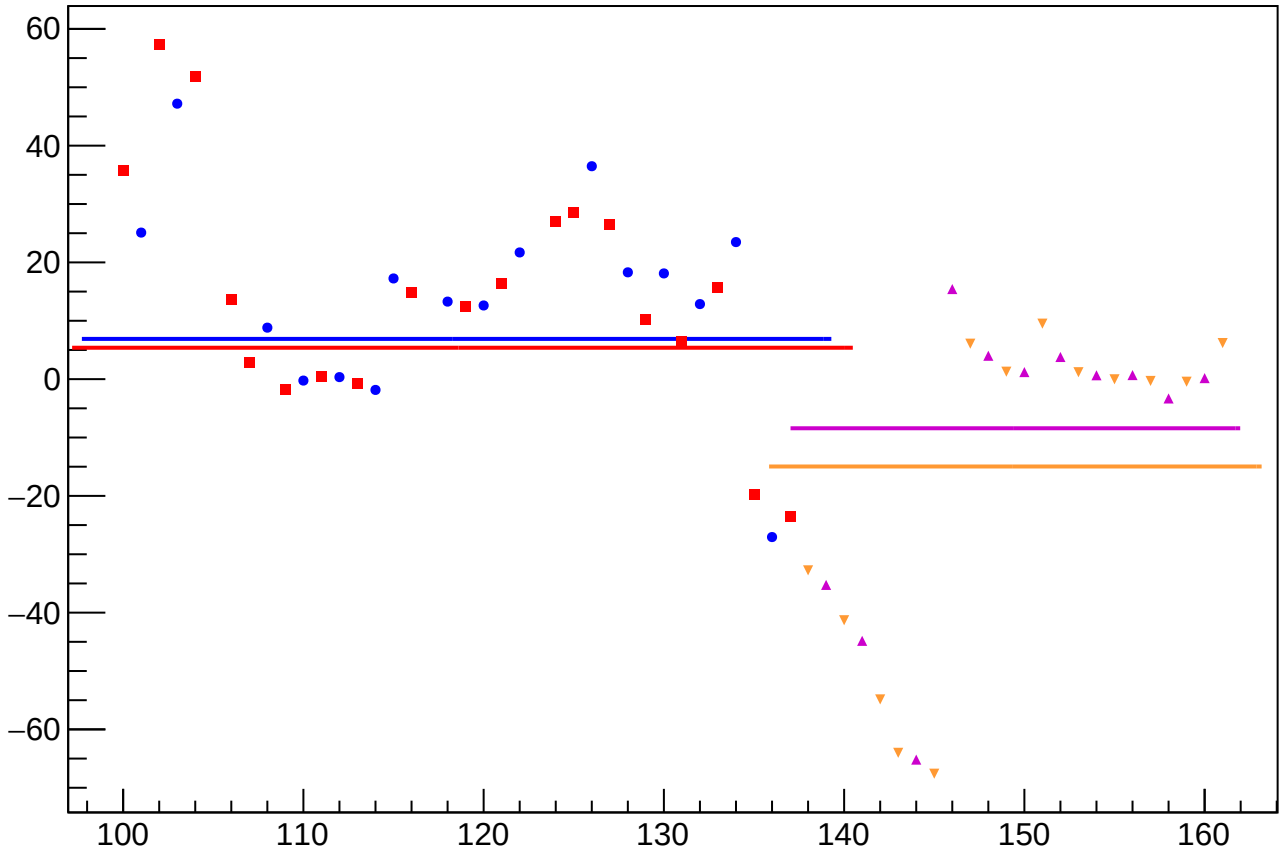
Left: 0.046+/-0.035 χ^2/NDF: 11846.4/23

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.518+/-0.037 χ^2/NDF:8644.9/26

Out: 0.501+/-0.039 χ^2/NDF:7580.3/31

All: 0.510+/-0.027 χ^2/NDF: 16225.3/58



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -14.964+/-0.073 χ^2/NDF:115024.7/12

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -8.416+/-0.064 χ^2/NDF:99899.5/10

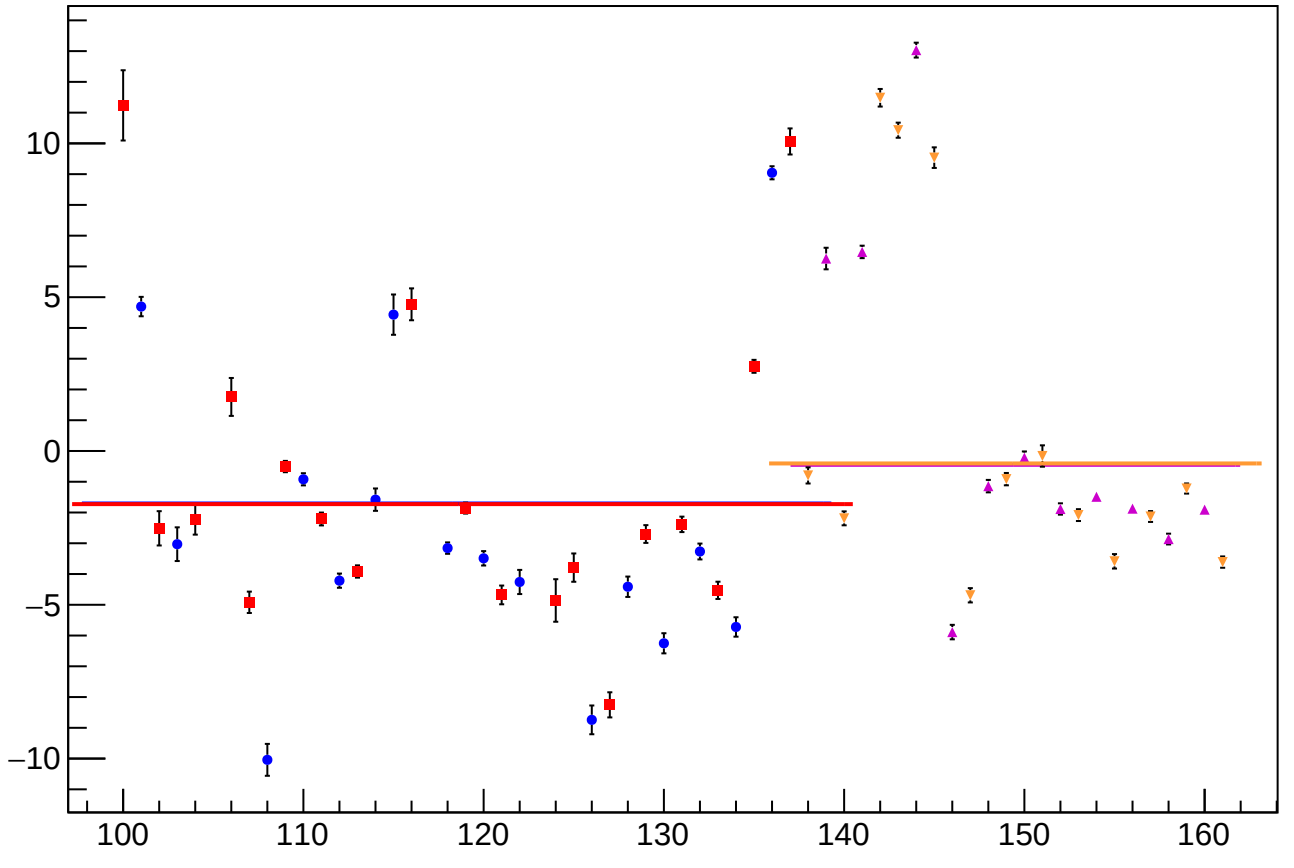
Left: -11.276+/-0.048 χ^2/NDF: 219514.6/23

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.166+/-0.046 χ^2/NDF:195145.2/26

Out: -3.158+/-0.047 χ^2/NDF:232909.8/31

All: -2.149+/-0.033 χ^2/NDF: 428965.6/58



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.405+/-0.061 χ^2/NDF:5645.2/12

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.450+/-0.053 χ^2/NDF:5725.6/10

Left: -0.430+/-0.040 χ^2/NDF: 11371.1/23

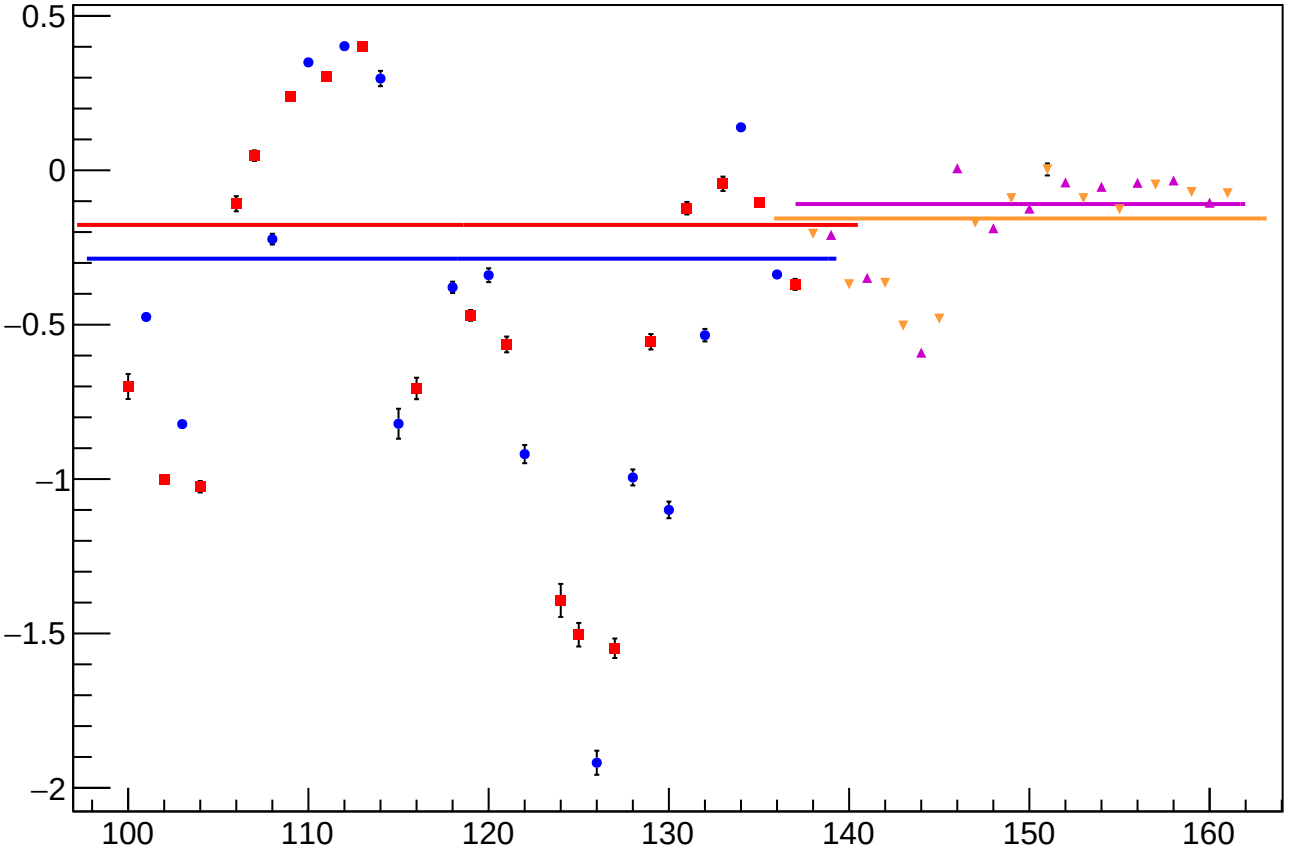
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.900+/-0.043 χ^2/NDF:10213.7/26

Out: -1.008+/-0.045 χ^2/NDF:8167.6/31

All: -0.951+/-0.031 χ^2/NDF: 18384.3/58

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.156+/-0.003 χ^2/NDF:2689.6/12

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.109+/-0.002 χ^2/NDF:2775.7/10

Left: -0.129+/-0.002 χ^2/NDF: 5641.7/23

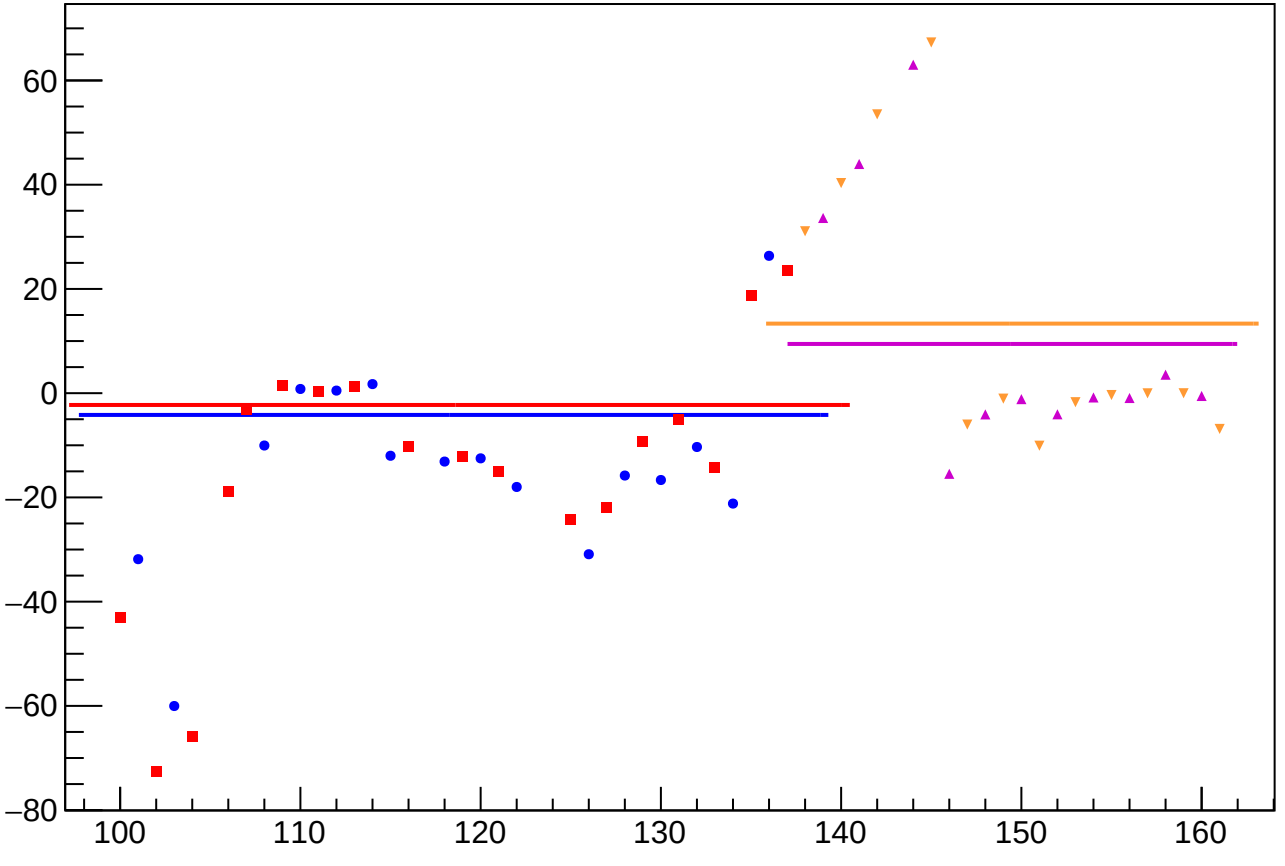
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.148+/-0.002 χ^2/NDF:15469.0/26

Out: -0.163+/-0.002 χ^2/NDF:17476.5/31

All: -0.155+/-0.001 χ^2/NDF: 32968.5/58

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 13.346+/-0.075 χ^2/NDF:88873.0/11

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 9.444+/-0.064 χ^2/NDF:102673.6/10

Left: 11.089+/-0.049 χ^2/NDF: 193098.5/22

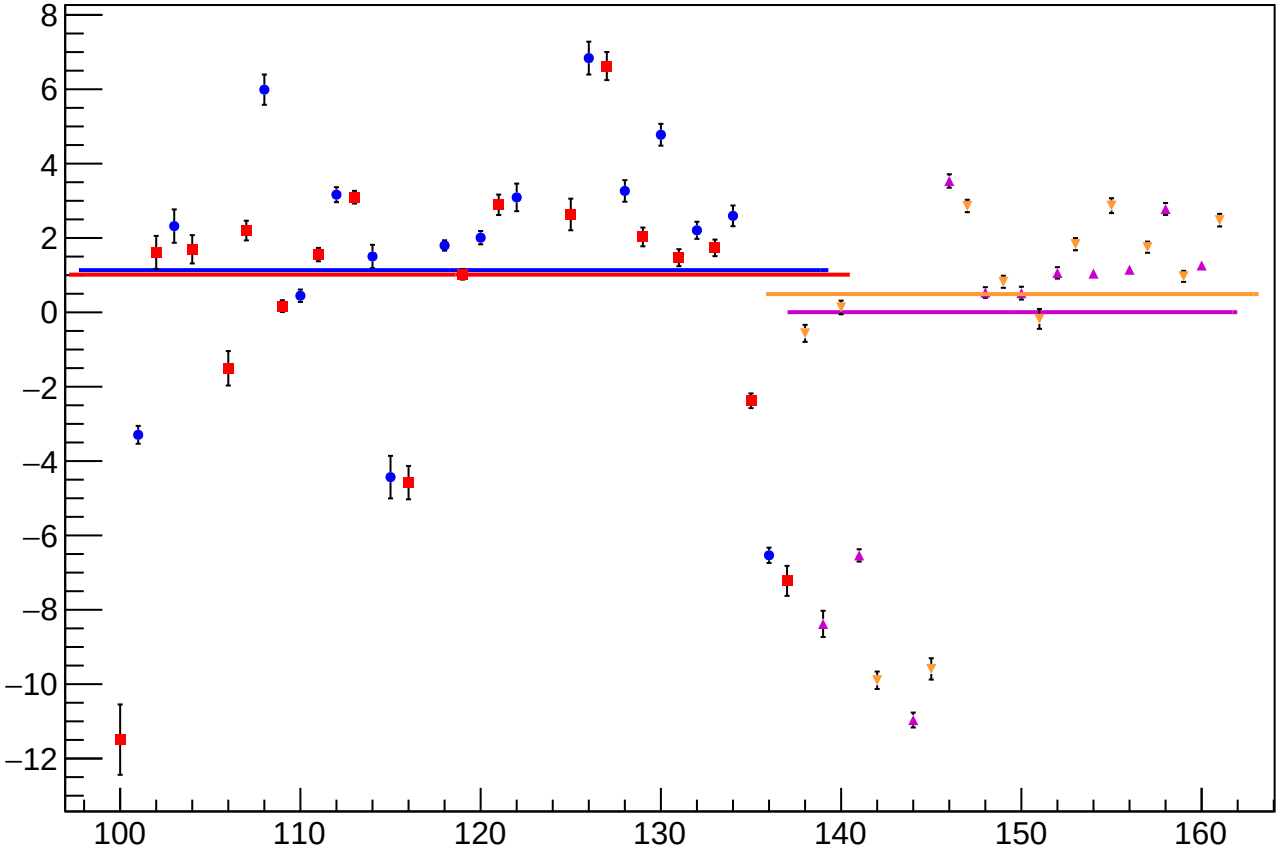
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.513+/-0.042 χ^2/NDF:204187.3/26

Out: 1.982+/-0.039 χ^2/NDF:199741.8/29

All: 1.761+/-0.029 χ^2/NDF: 403996.2/56

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.491+/-0.053 χ^2/NDF:3855.8/11

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.004+/-0.044 χ^2/NDF:6168.9/10

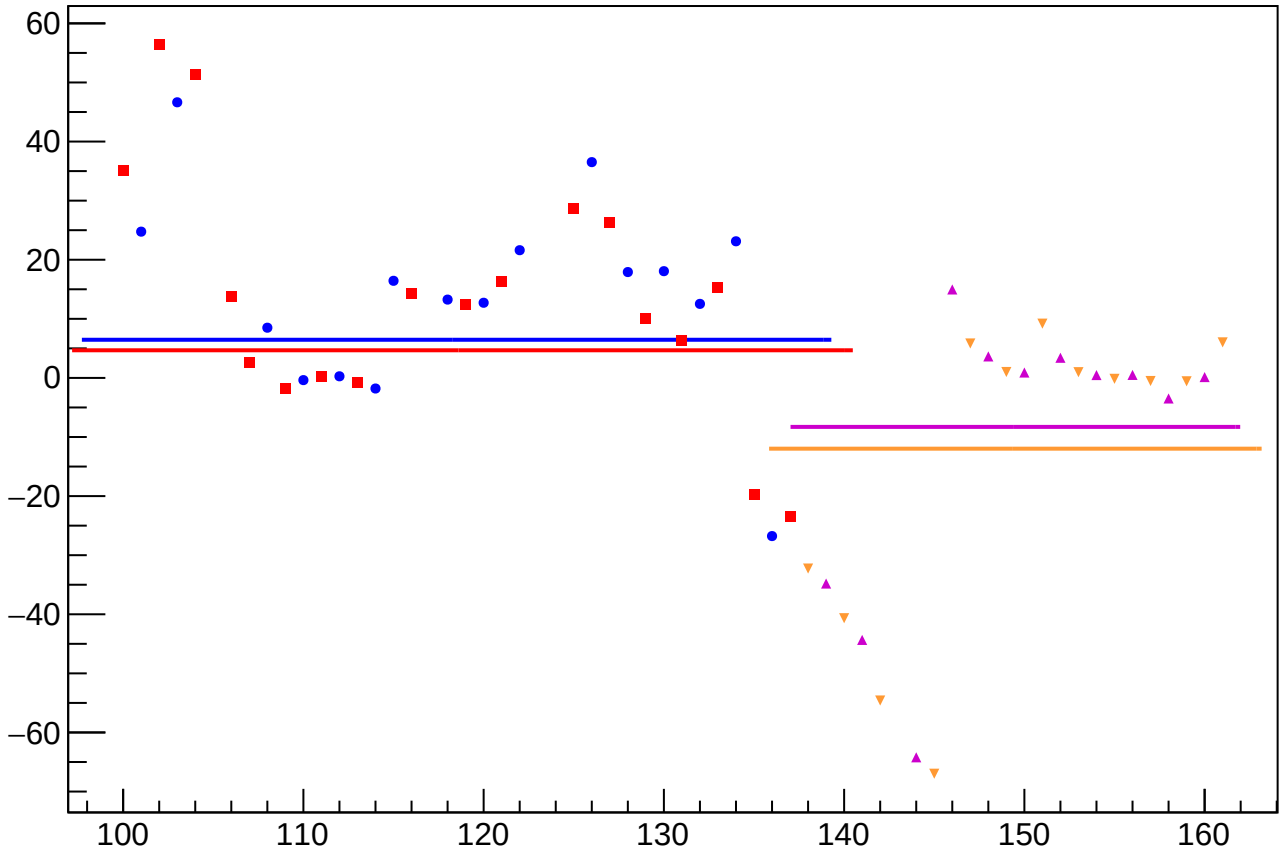
Left: 0.204+/-0.034 χ^2/NDF: 10074.0/22

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.404+/-0.036 χ^2/NDF:8993.1/26

Out: 0.734+/-0.039 χ^2/NDF:5493.5/29

All: 0.555+/-0.026 χ^2/NDF: 14525.6/56



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -11.973+/-0.073 χ^2/NDF:88695.6/11

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -8.288+/-0.061 χ^2/NDF:103114.5/10

Left: -9.818+/-0.047 χ^2/NDF: 193315.6/22

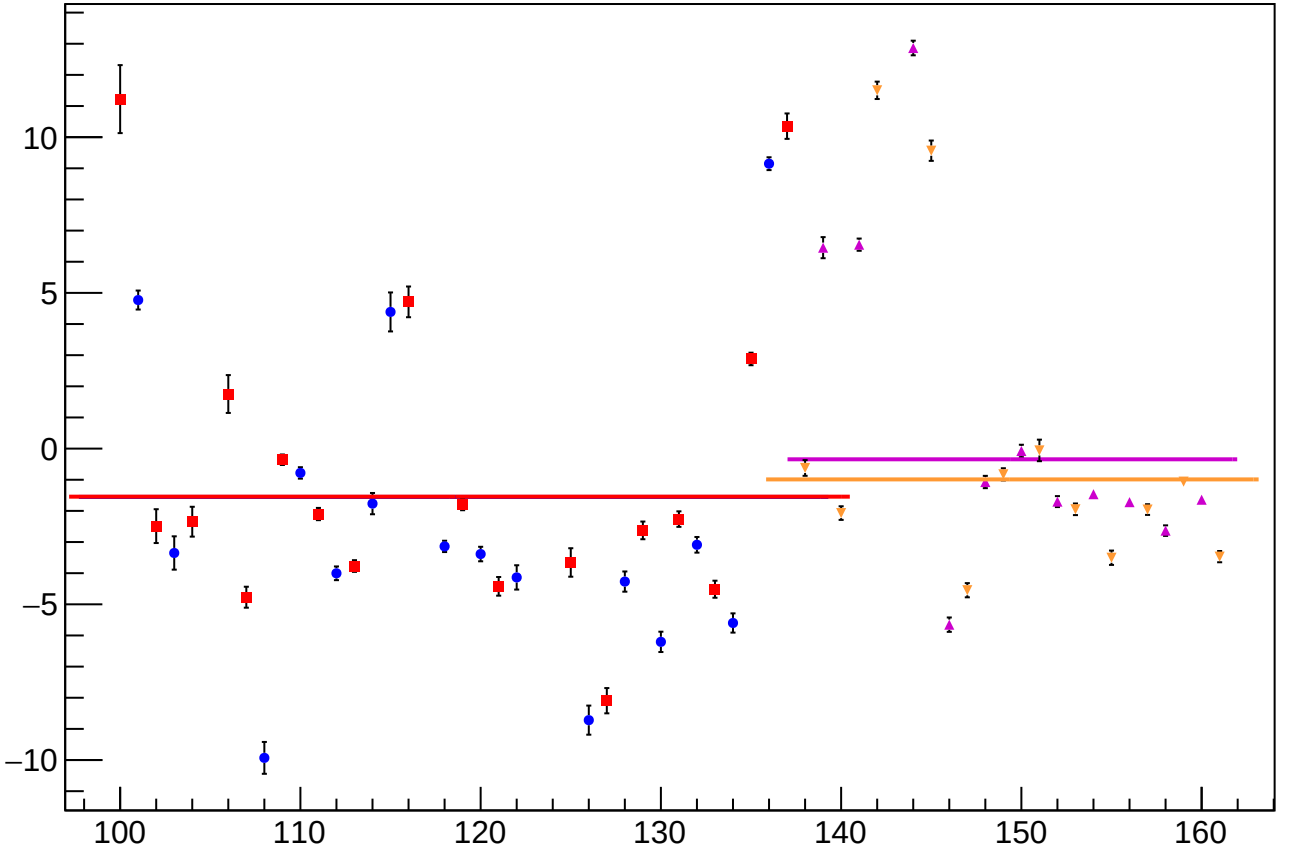
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.354+/-0.045 χ^2/NDF:201205.8/26

Out: -1.954+/-0.046 χ^2/NDF:194733.0/29

All: -1.646+/-0.032 χ^2/NDF: 396026.9/56

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.989+/-0.061 χ^2/NDF:3694.8/11

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.344+/-0.051 χ^2/NDF:5885.3/10

Left: -0.608+/-0.039 χ^2/NDF: 9645.2/22

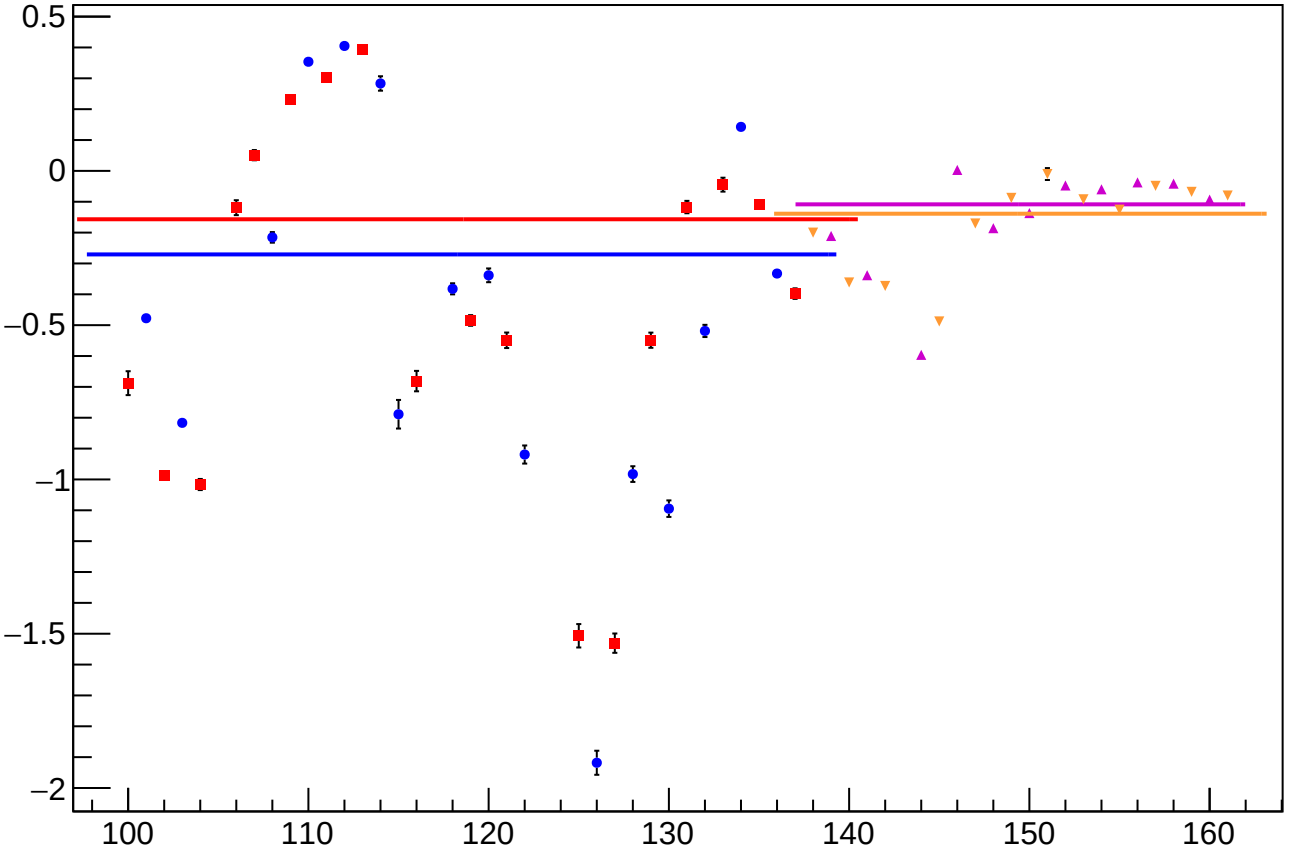
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.770+/-0.041 χ^2/NDF:10625.4/26

Out: -1.252+/-0.045 χ^2/NDF:6206.5/29

All: -0.993+/-0.030 χ^2/NDF: 16895.0/56

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.139+/-0.003 χ^2/NDF:1918.3/11

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

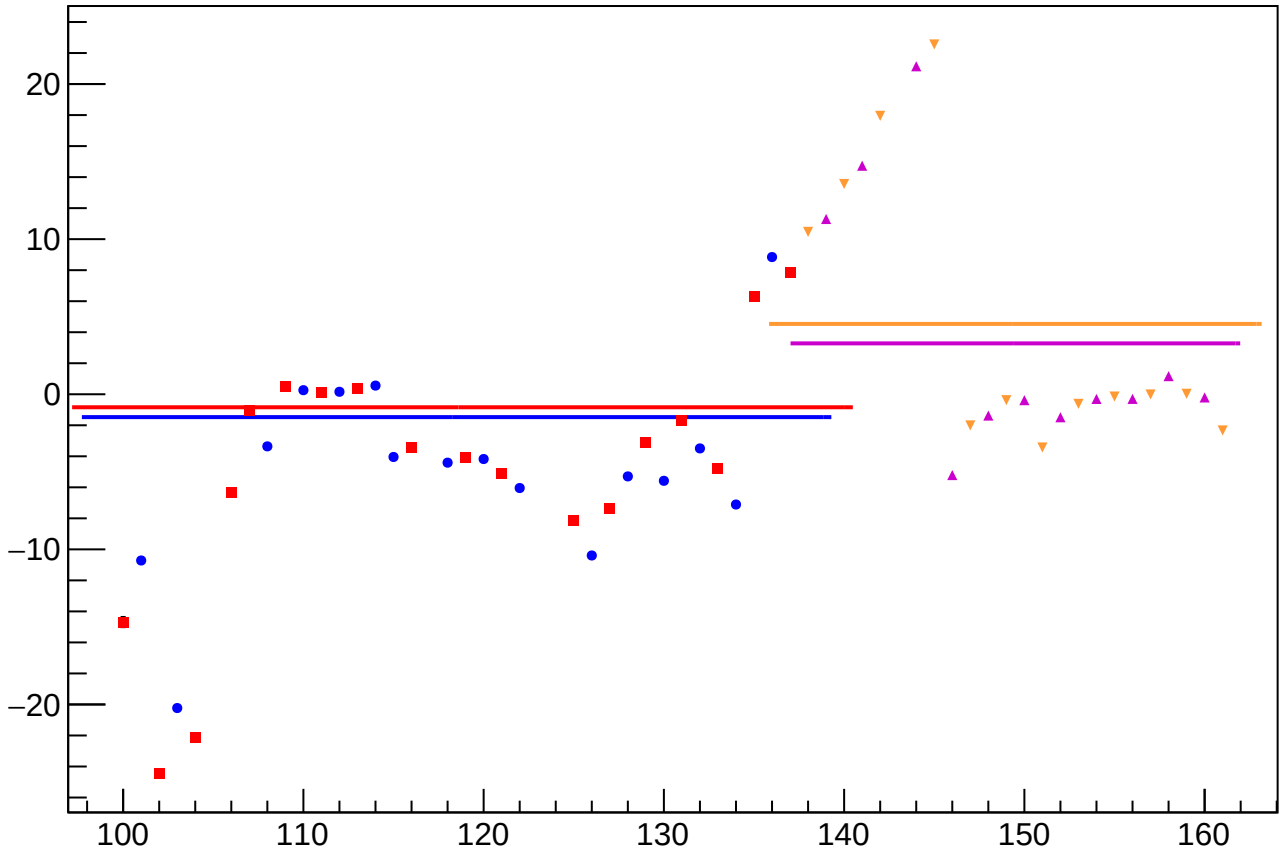
Left: -0.121+/-0.002 χ^2/NDF: 4911.5/22

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.143+/-0.002 χ^2/NDF:16215.2/26

Out: -0.145+/-0.002 χ^2/NDF:16952.3/29

All: -0.144+/-0.001 χ^2/NDF: 33167.7/56



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 4.535+/-0.026 χ^2/NDF:87153.2/11

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 3.281+/-0.022 χ^2/NDF:100016.4/10

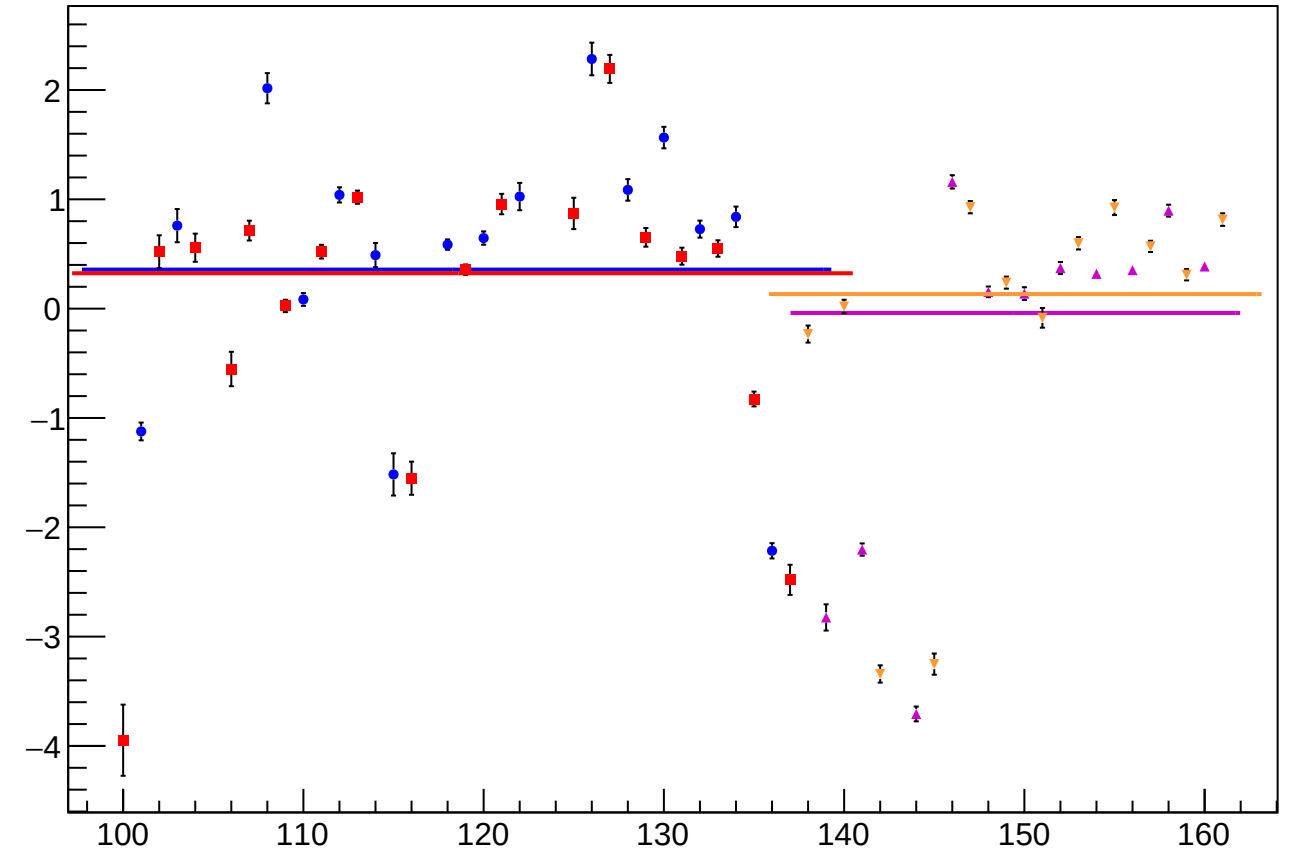
Left: 3.816+/-0.017 χ^2/NDF: 188533.0/22

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.506+/-0.014 χ^2/NDF:200543.1/26

Out: 0.665+/-0.014 χ^2/NDF:196598.9/29

All: 0.589+/-0.010 χ^2/NDF: 397207.0/56



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.133+/-0.018 χ^2/NDF:3798.7/11

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.039+/-0.015 χ^2/NDF:6005.0/10

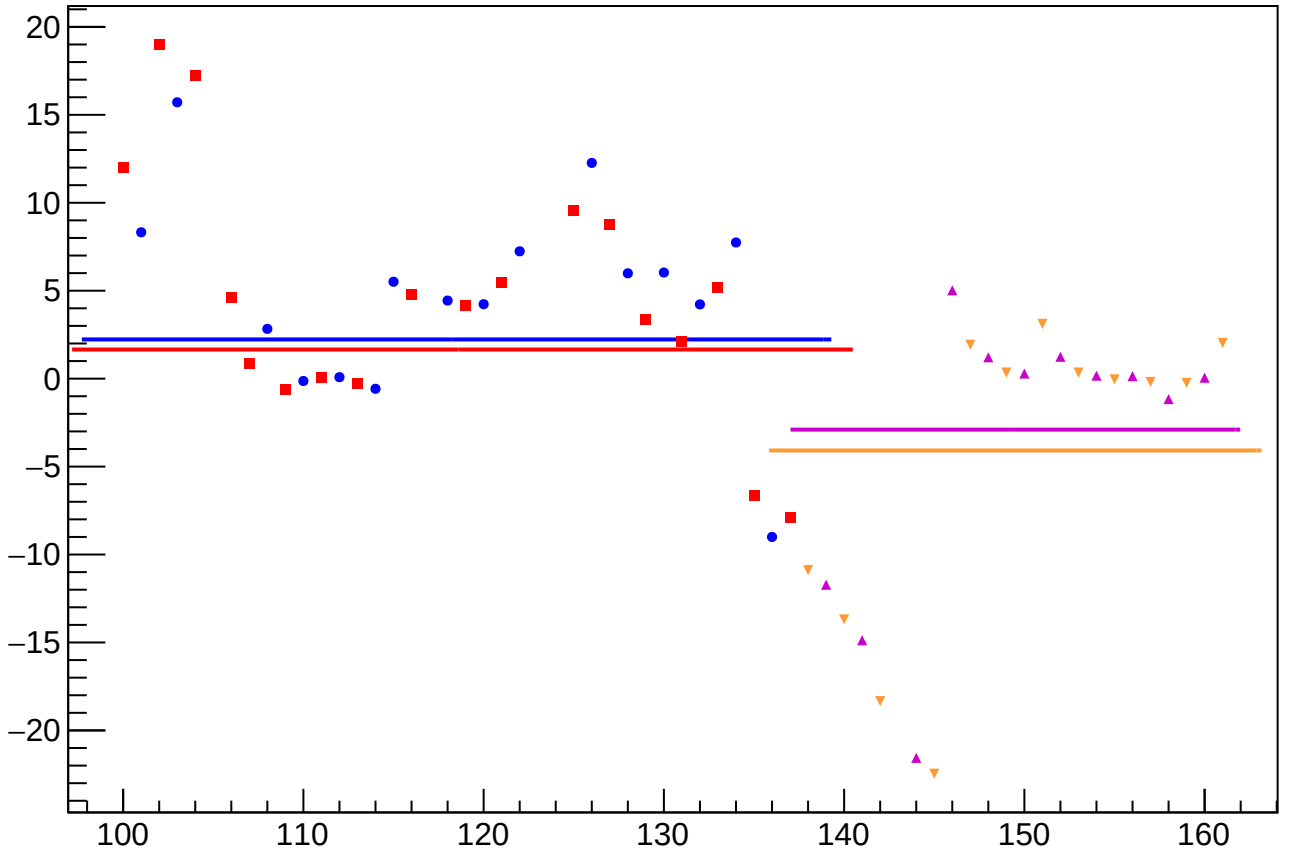
Left: 0.032+/-0.012 χ^2/NDF: 9856.4/22

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.102+/-0.012 χ^2/NDF:8786.7/26

Out: 0.221+/-0.013 χ^2/NDF:5408.0/29

All: 0.157+/-0.009 χ^2/NDF: 14237.4/56



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -4.084+/-0.025 χ^2/NDF:87025.0/11

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.897+/-0.021 χ^2/NDF:100585.3/10

Left: -3.396+/-0.016 χ^2/NDF: 188937.4/22

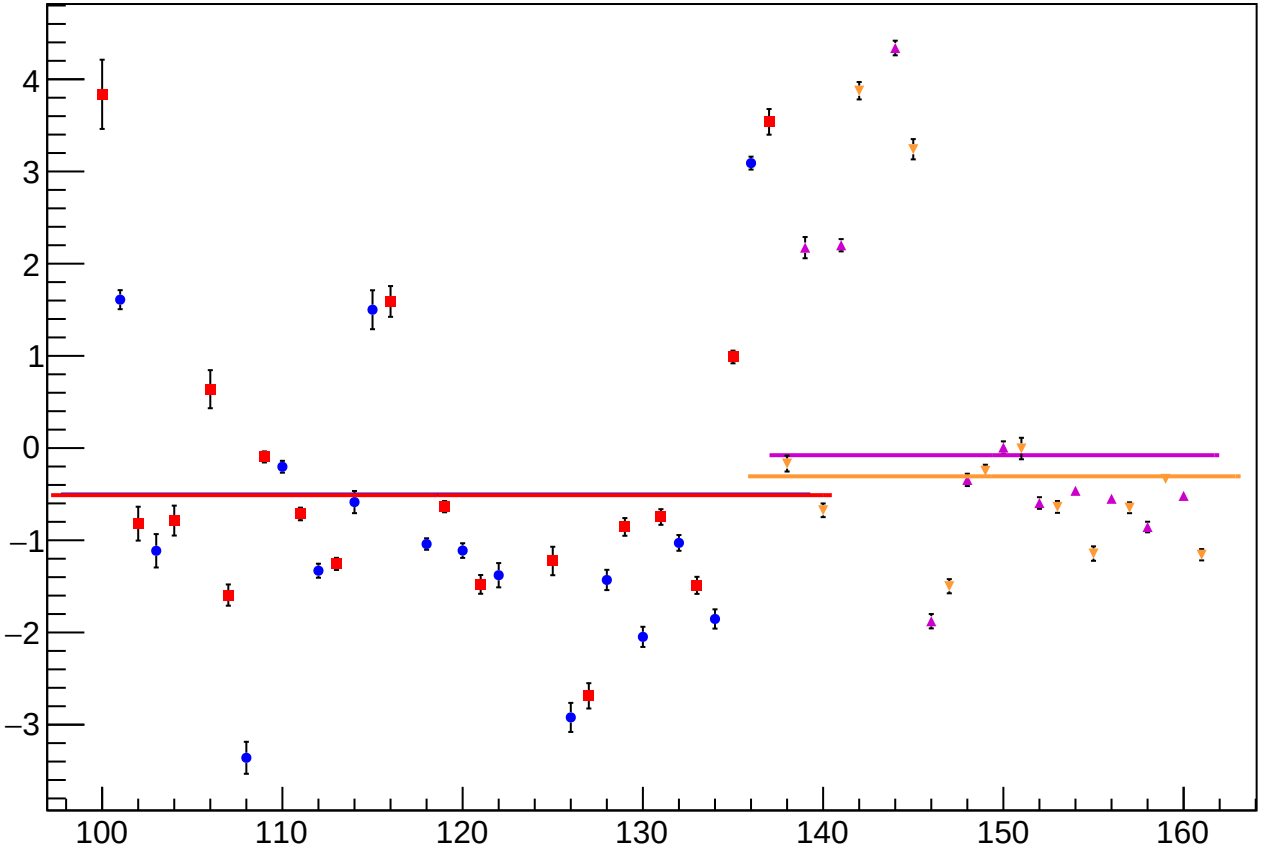
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.466+/-0.015 χ^2/NDF:197661.6/26

Out: -0.666+/-0.016 χ^2/NDF:191713.6/29

All: -0.563+/-0.011 χ^2/NDF: 389457.7/56

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: -0.306+/-0.021 χ^2/NDF:3644.2/11

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.077+/-0.018 χ^2/NDF:5741.2/10

Left: -0.173+/-0.014 χ^2/NDF: 9455.1/22

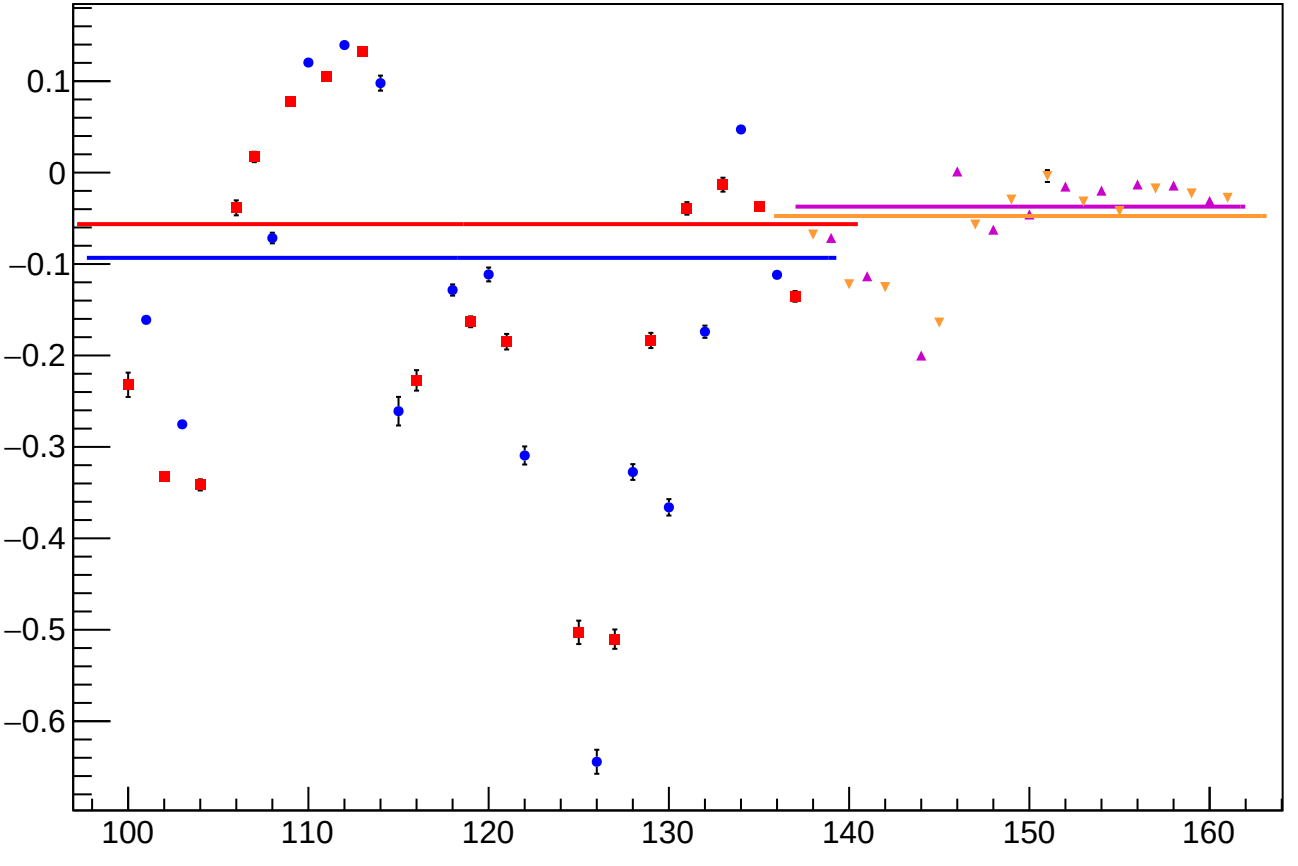
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.230+/-0.014 χ^2/NDF:10396.2/26

Out: -0.403+/-0.015 χ^2/NDF:6112.7/29

All: -0.310+/-0.010 χ^2/NDF: 16577.5/56

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: -0.047+/-0.001 χ^2/NDF:1871.4/11

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.037+/-0.001 χ^2/NDF:2839.3/10

Left: -0.041+/-0.001 χ^2/NDF: 4785.5/22

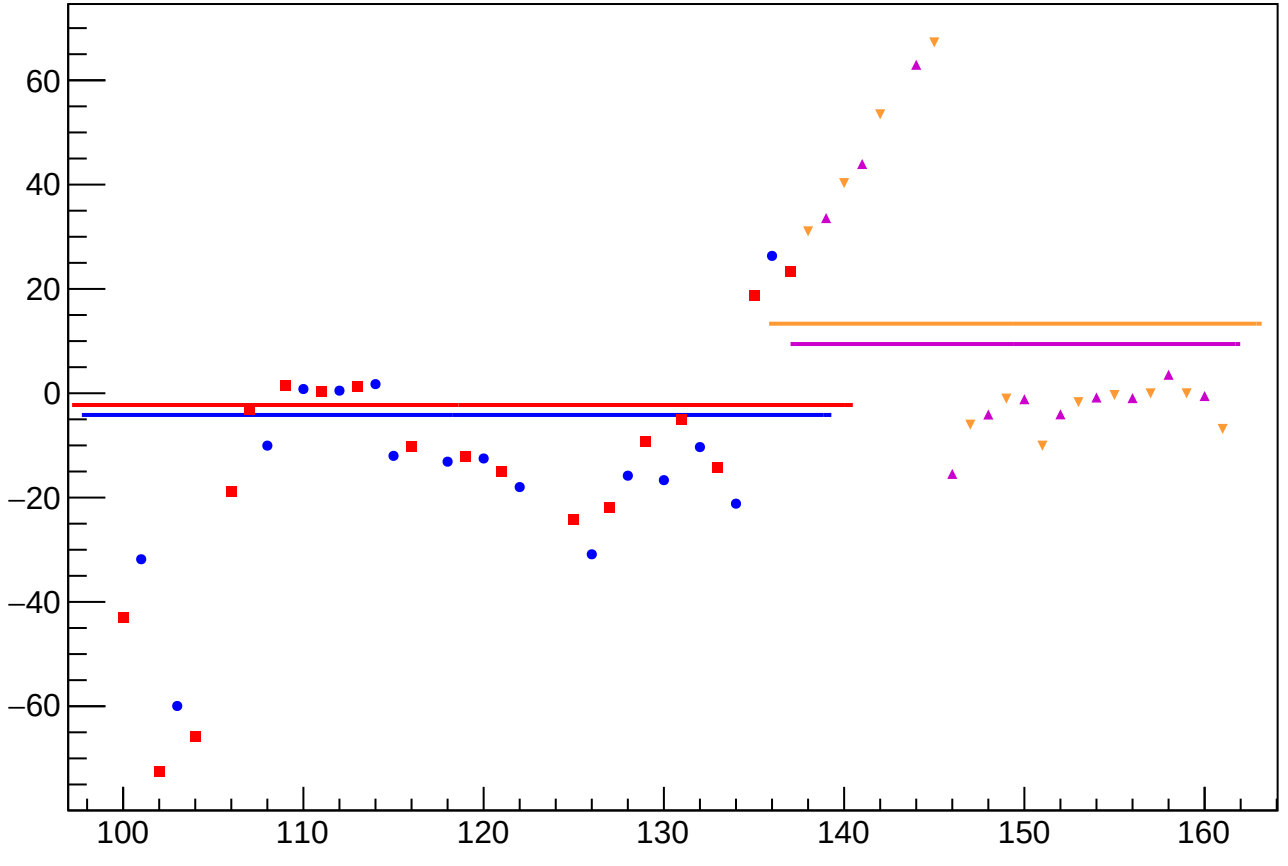
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.050+/-0.001 χ^2/NDF:15803.9/26

Out: -0.050+/-0.001 χ^2/NDF:16359.9/29

All: -0.050+/-0.000 χ^2/NDF: 32164.5/56

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: 13.338+/-0.075 χ^2/NDF:88859.9/11

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 9.438+/-0.064 χ^2/NDF:102686.1/10

Left: 11.082+/-0.049 χ^2/NDF: 193099.0/22

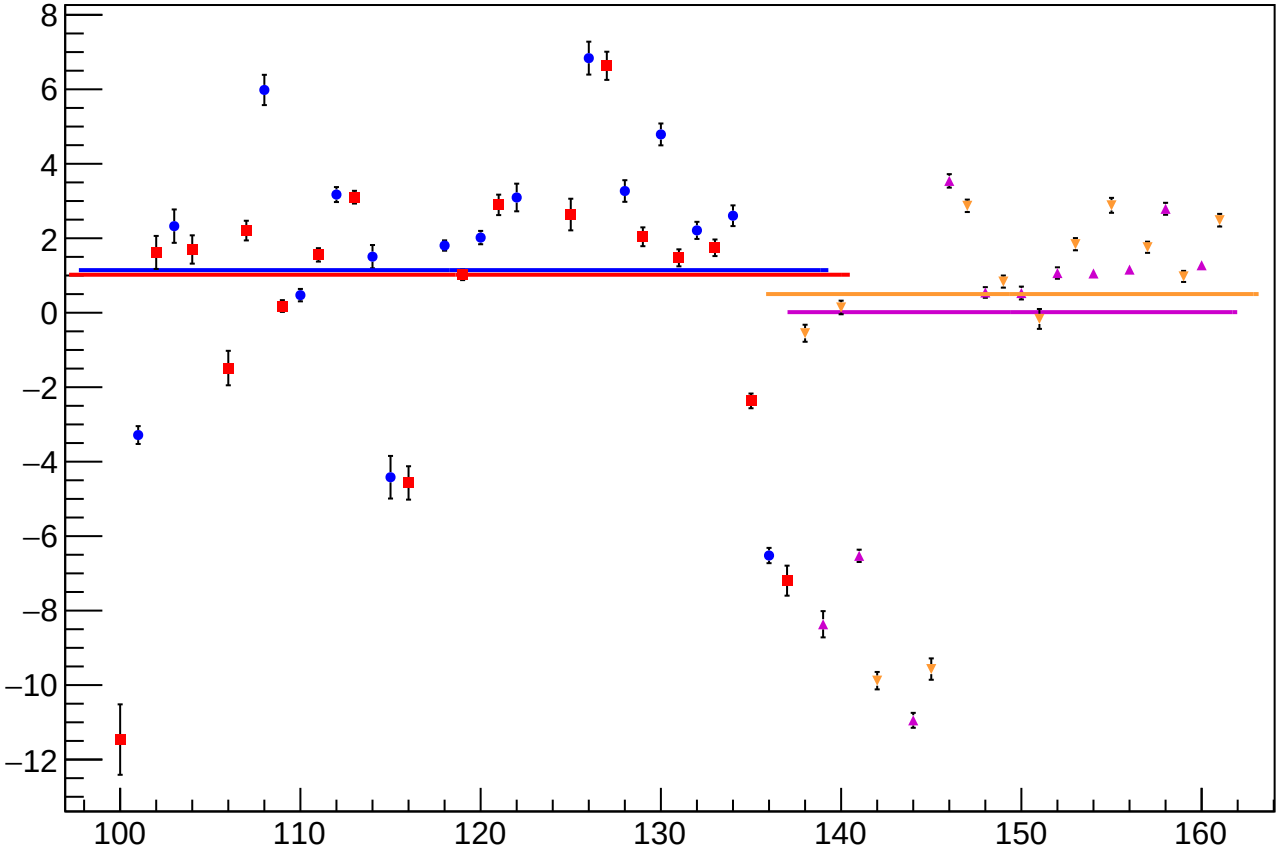
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.516+/-0.042 χ^2/NDF:204204.3/26

Out: 1.982+/-0.039 χ^2/NDF:199735.7/29

All: 1.762+/-0.029 χ^2/NDF: 404006.5/56

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.501+/-0.053 χ^2/NDF:3855.9/11

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.016+/-0.044 χ^2/NDF:6174.7/10

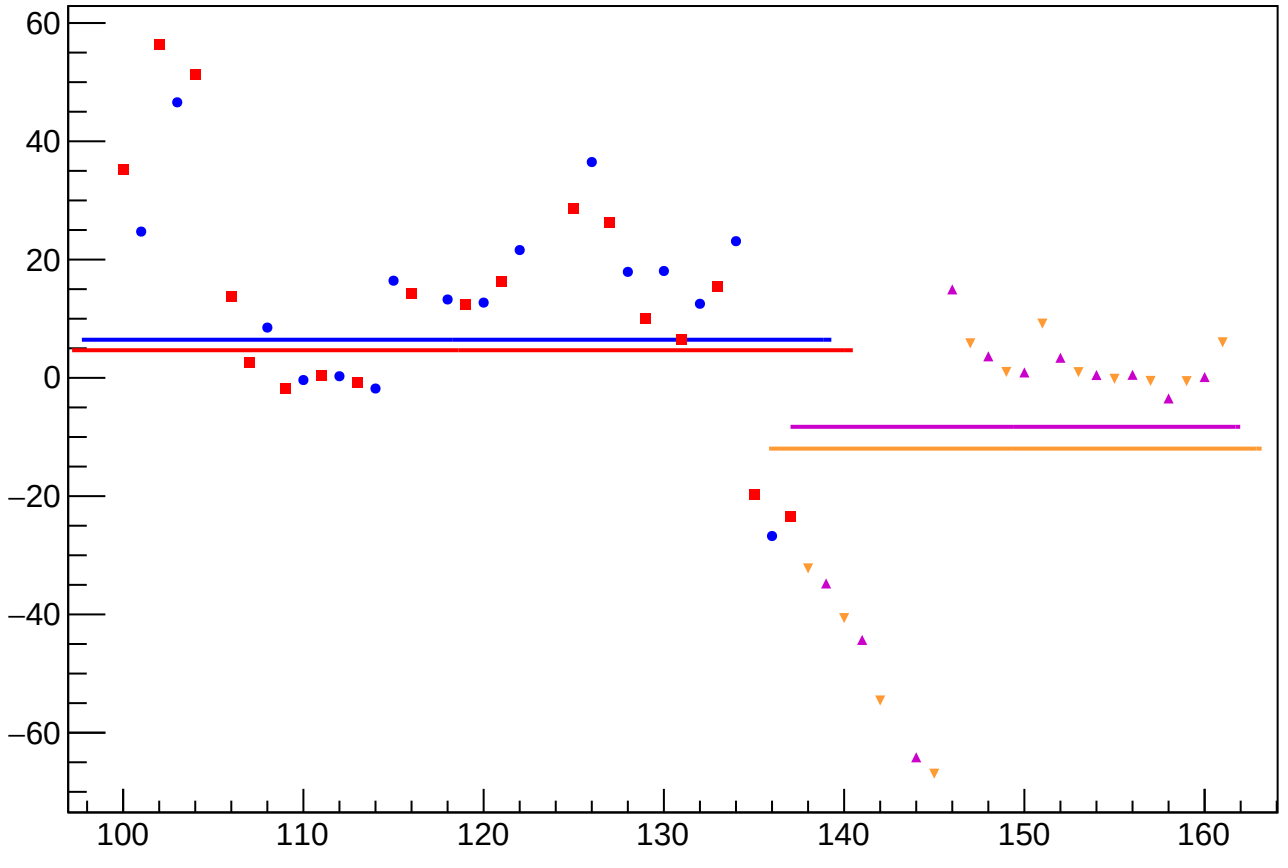
Left: 0.215+/-0.034 χ^2/NDF: 10079.7/22

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.414+/-0.036 χ^2/NDF:8997.9/26

Out: 0.743+/-0.039 χ^2/NDF:5491.3/29

All: 0.564+/-0.026 χ^2/NDF: 14527.9/56



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -11.961+/-0.073 χ^2/NDF:88680.7/11

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -8.277+/-0.061 χ^2/NDF:103124.9/10

Left: -9.806+/-0.047 χ^2/NDF: 193312.8/22

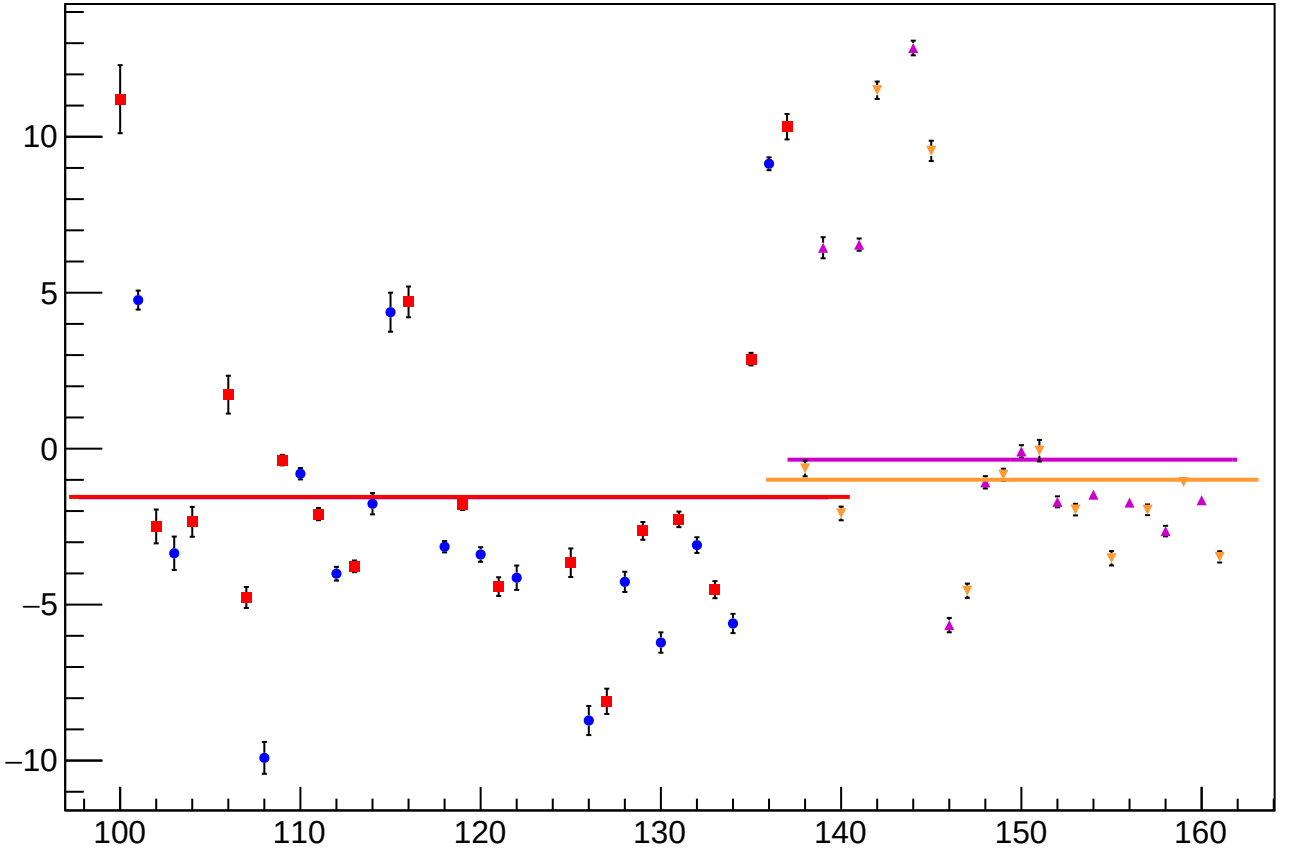
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.351+/-0.044 χ^2/NDF:201216.5/26

Out: -1.949+/-0.046 χ^2/NDF:194719.9/29

All: -1.642+/-0.032 χ^2/NDF: 396024.0/56

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.996+/-0.061 χ^2/NDF:3694.5/11

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.353+/-0.051 χ^2/NDF:5889.7/10

Left: -0.617+/-0.039 χ^2/NDF: 9648.9/22

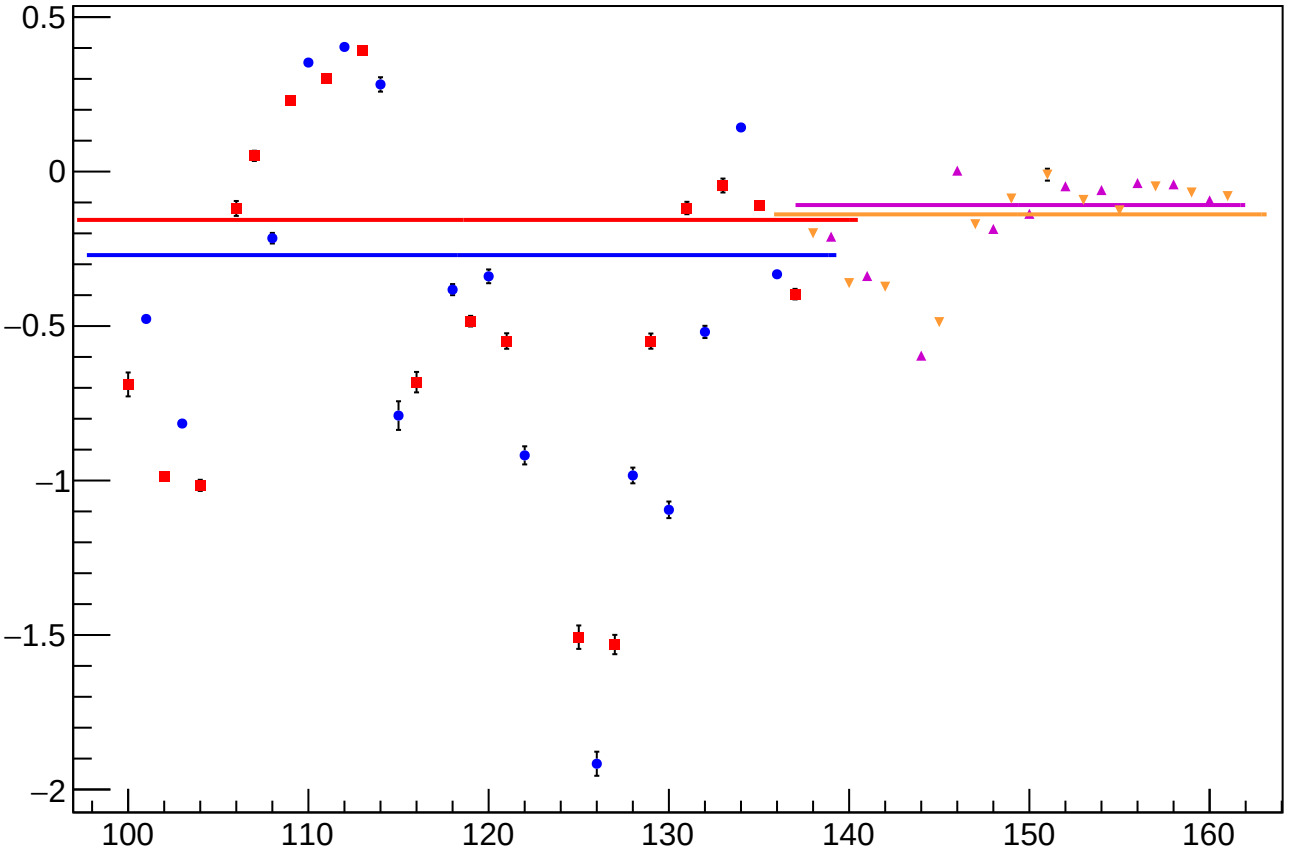
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.779+/-0.041 χ^2/NDF:10628.8/26

Out: -1.258+/-0.044 χ^2/NDF:6202.7/29

All: -1.000+/-0.030 χ^2/NDF: 16894.1/56

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: -0.139+/-0.003 χ^2/NDF:1919.6/11

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

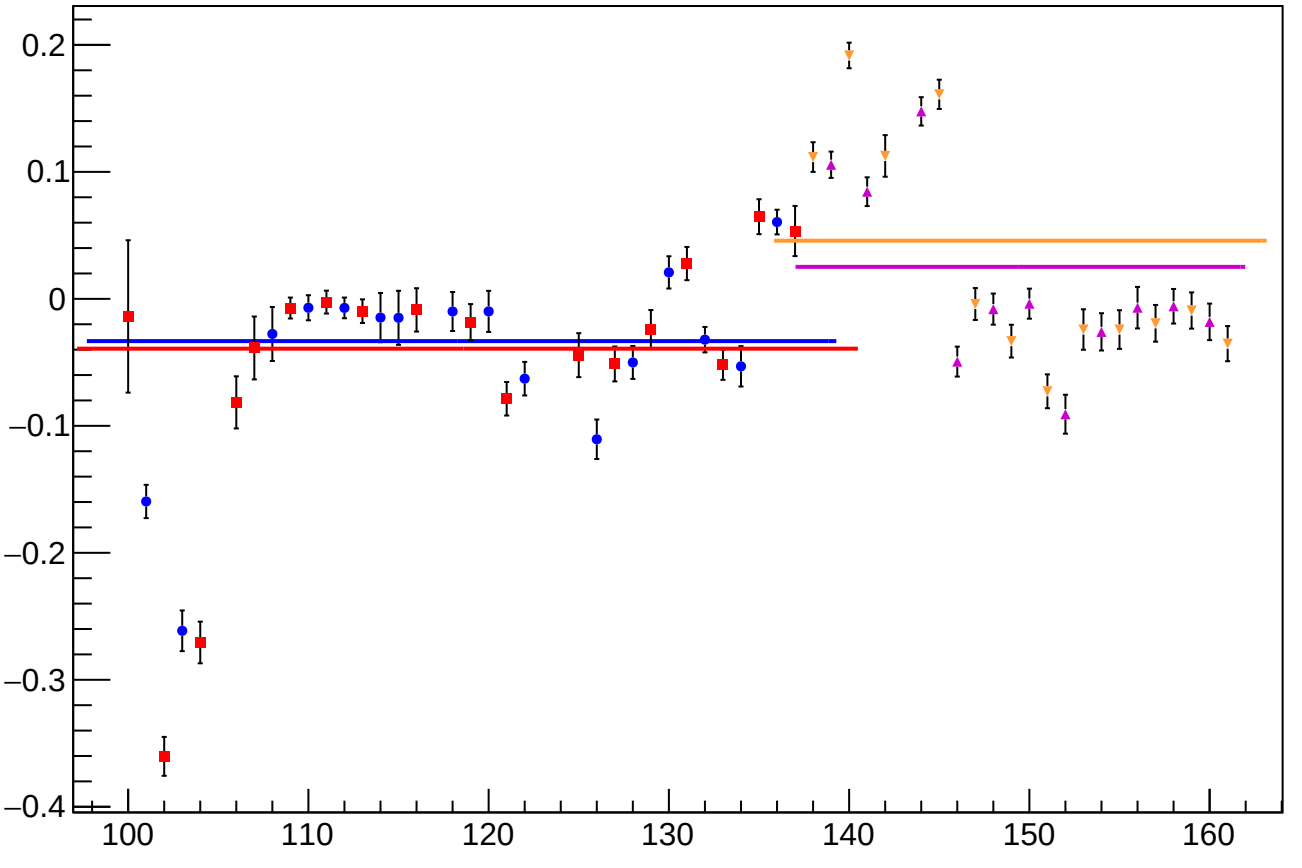
Left: -0.120+/-0.002 χ^2/NDF: 4911.9/22

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.143+/-0.002 χ^2/NDF:16214.3/26

Out: -0.144+/-0.002 χ^2/NDF:16964.6/29

All: -0.144+/-0.001 χ^2/NDF: 33179.0/56



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.046+/-0.004 χ^2/NDF:600.7/11

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.025+/-0.004 χ^2/NDF:348.5/10

Left: 0.036+/-0.003 χ^2/NDF: 963.9/22

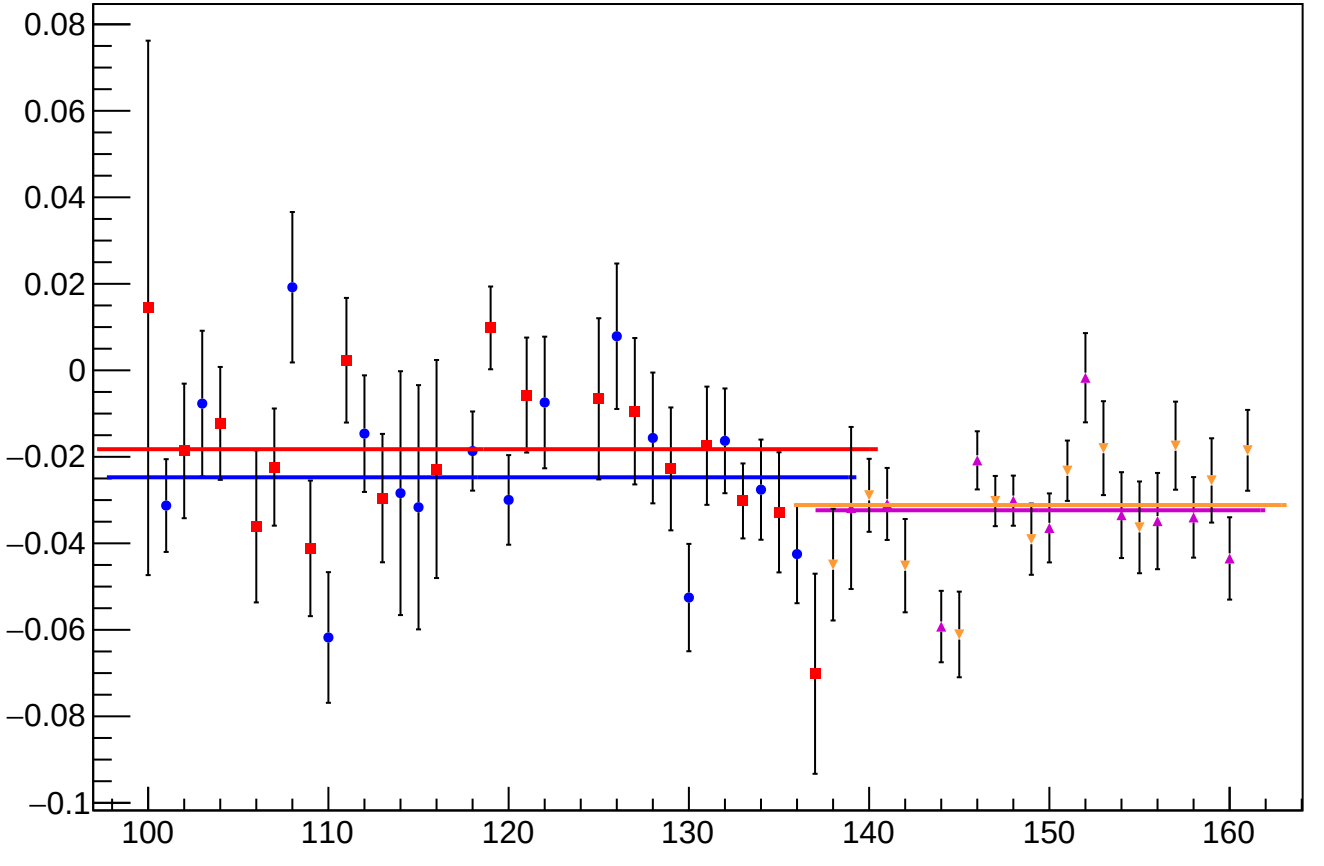
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:949.7/26

Out: -0.004+/-0.002 χ^2/NDF:1703.2/29

All: -0.006+/-0.002 χ^2/NDF: 2654.9/56

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: -0.031+/-0.003 χ^2/NDF:20.0/11

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.003 χ^2/NDF:24.3/10

Left: -0.032+/-0.002 χ^2/NDF: 44.4/22

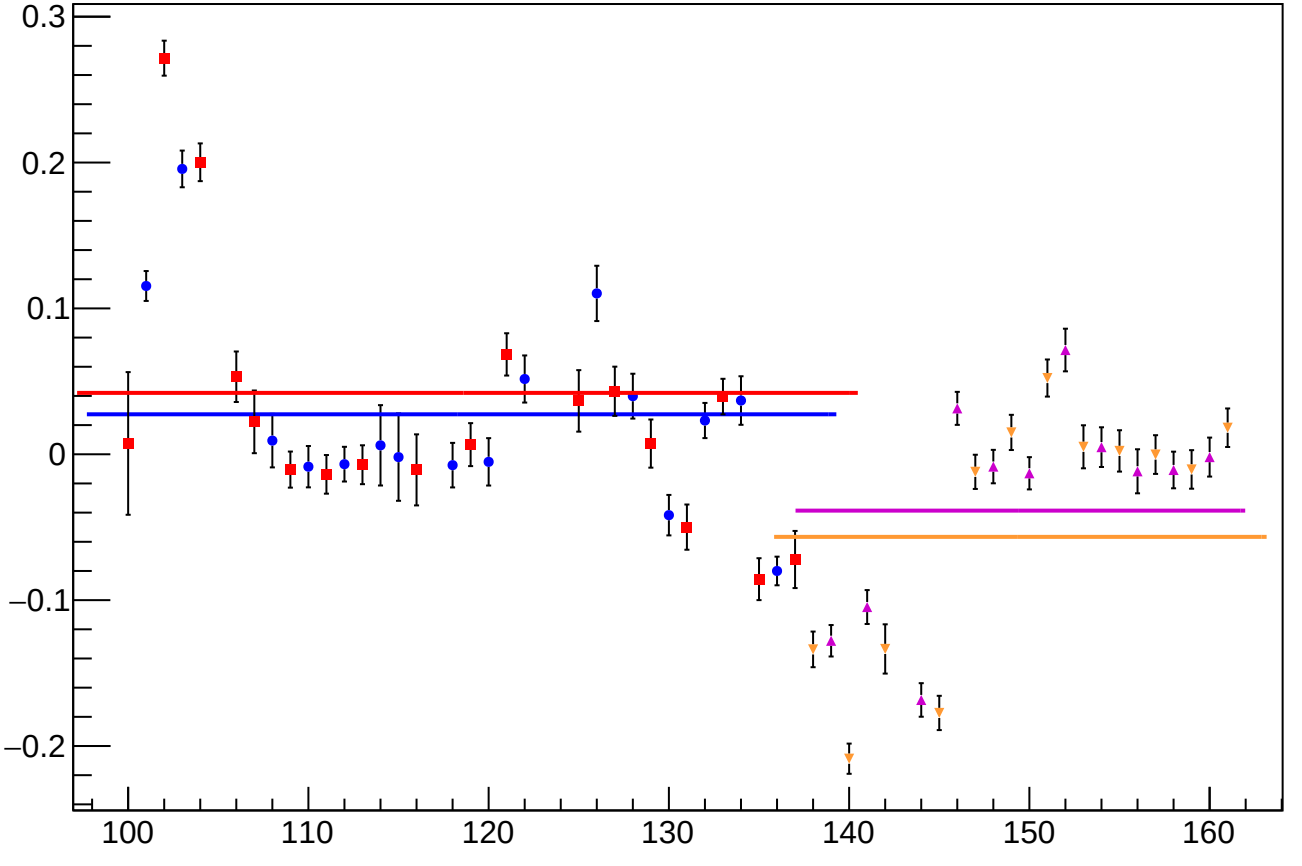
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:56.1/26

Out: -0.026+/-0.002 χ^2/NDF:53.9/29

All: -0.028+/-0.001 χ^2/NDF: 111.1/56

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: -0.057+/-0.004 χ^2/NDF:602.0/11

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.039+/-0.004 χ^2/NDF:361.3/10

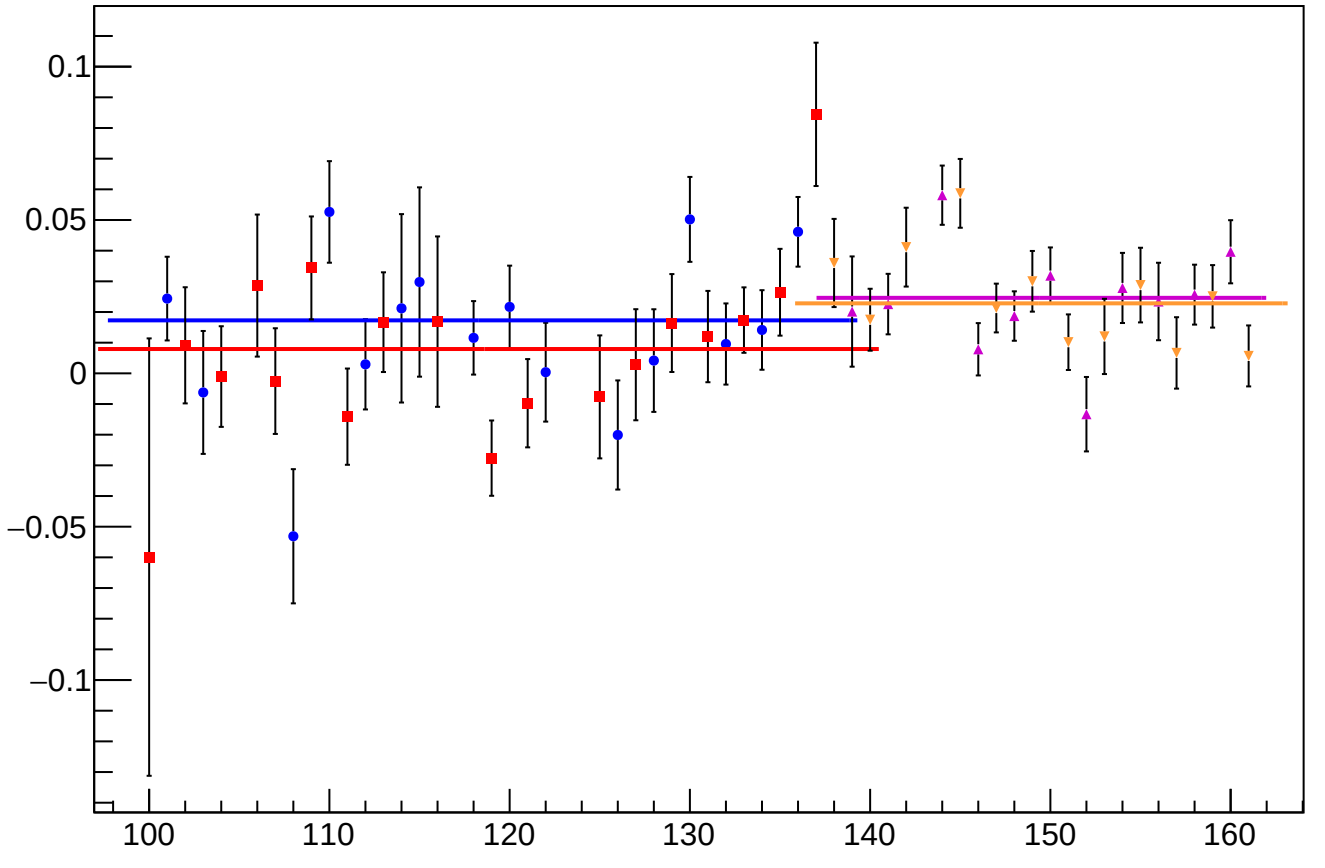
Left: -0.048+/-0.003 χ^2/NDF: 975.3/22

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:972.7/26

Out: -0.007+/-0.003 χ^2/NDF:1699.0/29

All: -0.006+/-0.002 χ^2/NDF: 2672.1/56



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.023+/-0.003 χ^2/NDF:21.9/11

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.003 χ^2/NDF:29.1/10

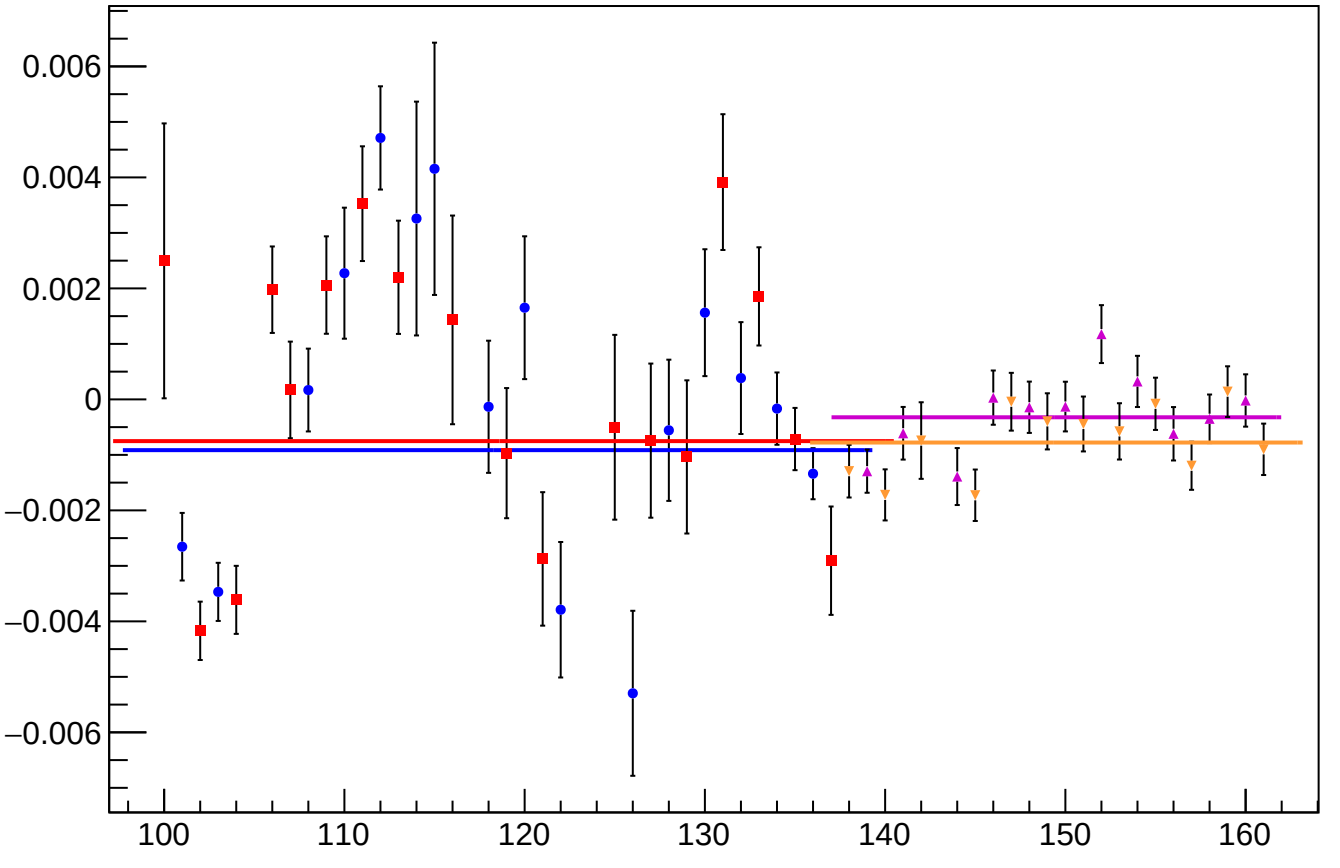
Left: 0.024+/-0.002 χ^2/NDF: 51.2/22

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.022+/-0.002 χ^2/NDF:68.0/26

Out: 0.017+/-0.002 χ^2/NDF:62.3/29

All: 0.019+/-0.002 χ^2/NDF: 132.1/56



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:20.0/11

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:22.8/10

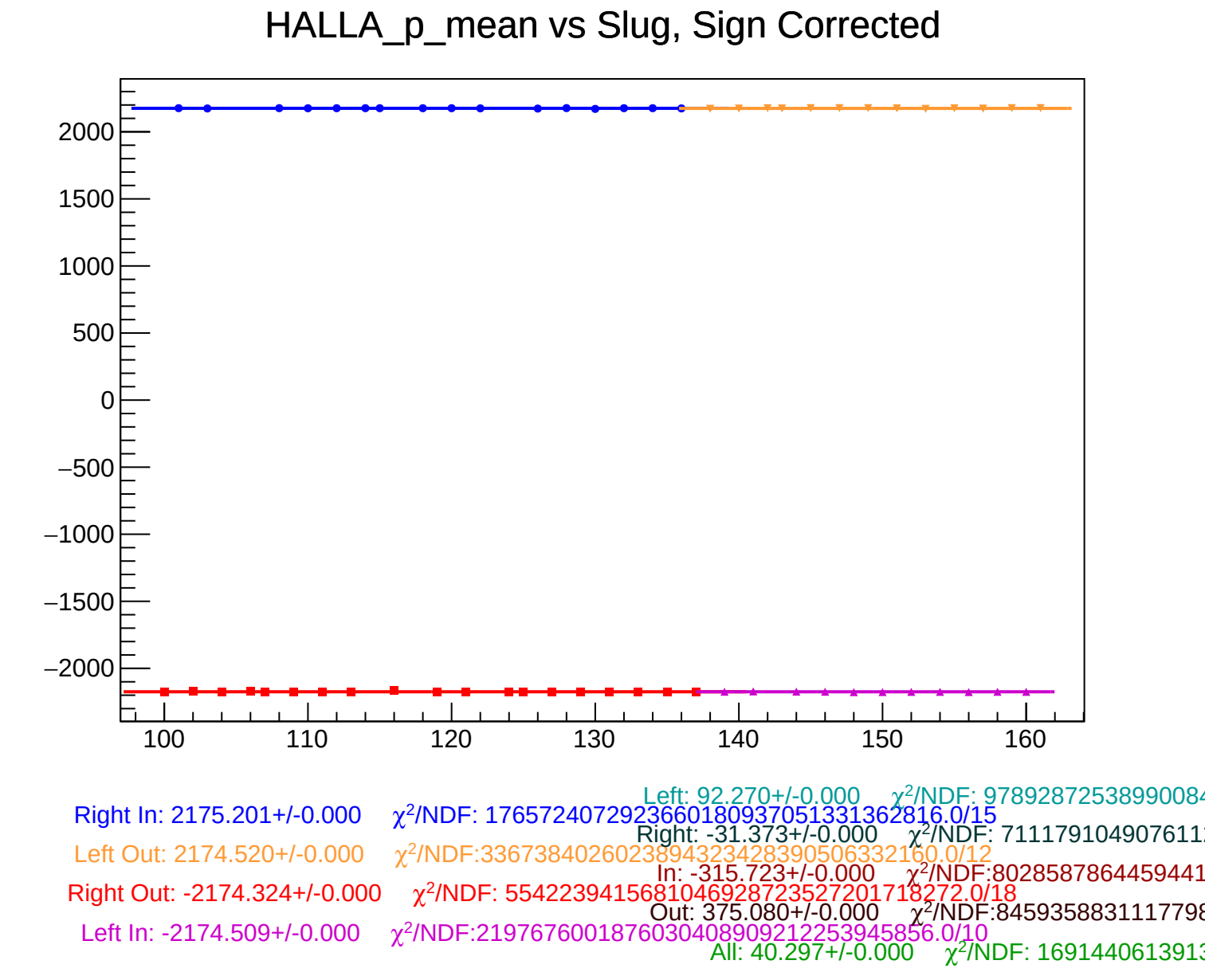
Left: -0.001+/-0.000 χ^2/NDF: 48.1/22

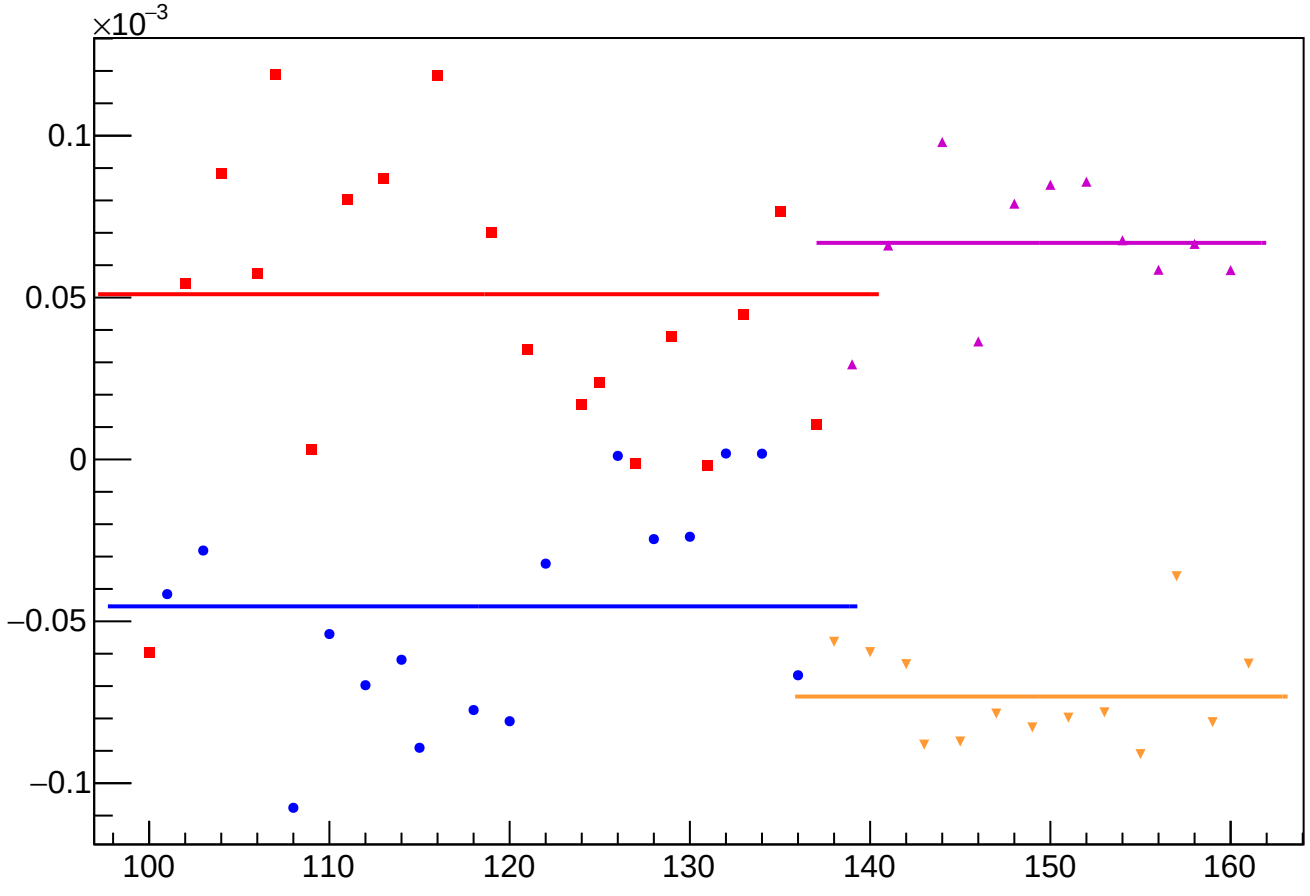
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:142.3/26

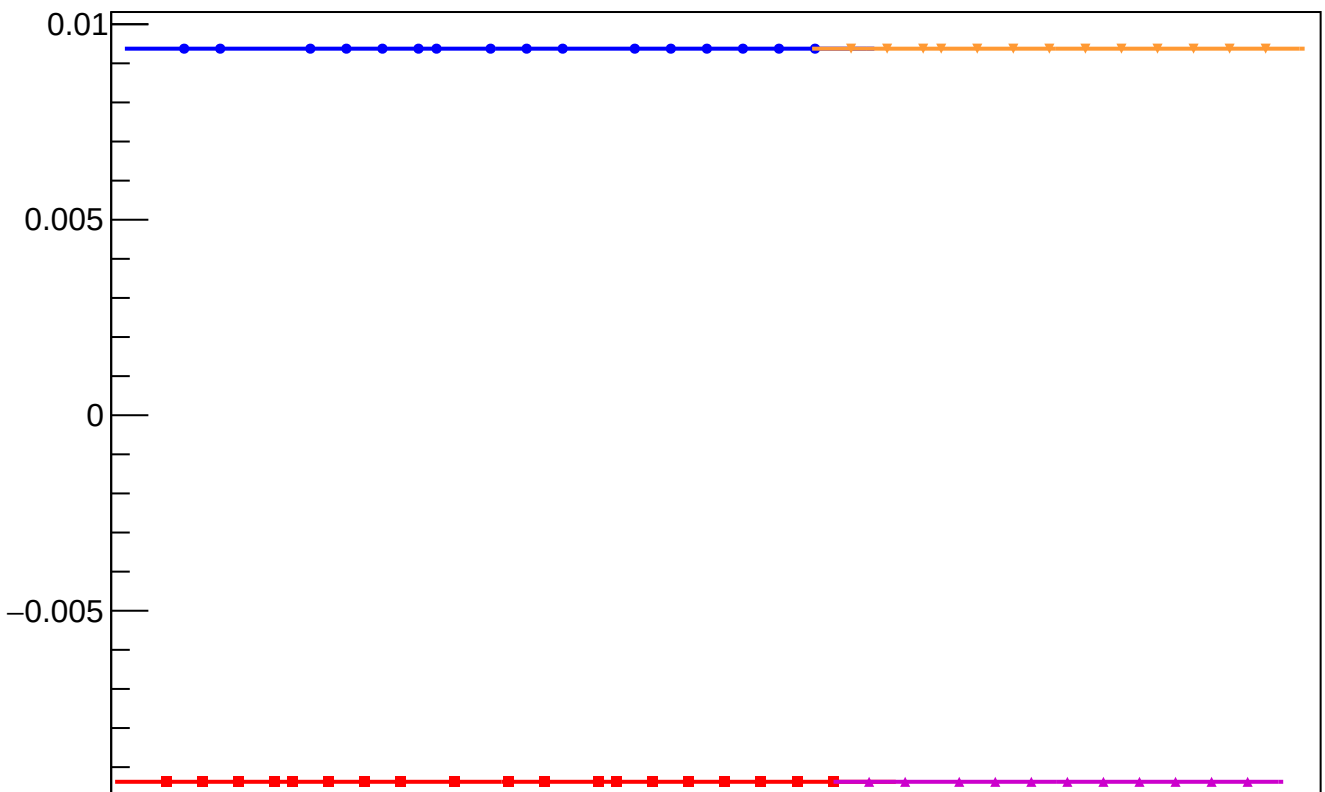
Out: -0.001+/-0.000 χ^2/NDF:167.6/29

All: -0.001+/-0.000 χ^2/NDF: 312.5/56


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
Left Out: 2174.520+/-0.000 χ²/NDF:336738402602389432342839050633216 0.0/12
Right Out: -2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
Left In: -2174.509+/-0.000 χ²/NDF:219767600187603040890921225394585 6.0/10
Left: 92.270+/-0.000 χ²/NDF: 97892872538990084
Right: -31.373+/-0.000 χ²/NDF: 7111791049076111
In: -315.723+/-0.000 χ²/NDF:8028587864594411
Out: 375.080+/-0.000 χ²/NDF:8459358831117798
All: 40.297+/-0.000 χ²/NDF: 1691440613913


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:252848612179338753736704.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:38265108567278481729126 4.0/10
Left: -0.000+/-0.000 χ²/NDF: 10797744818976699
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:64446722882520644950
Out: -0.000+/-0.000 χ²/NDF:81715826560561190
All: -0.000+/-0.000 χ²/NDF: 1609868001489

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:0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 181956986047492078

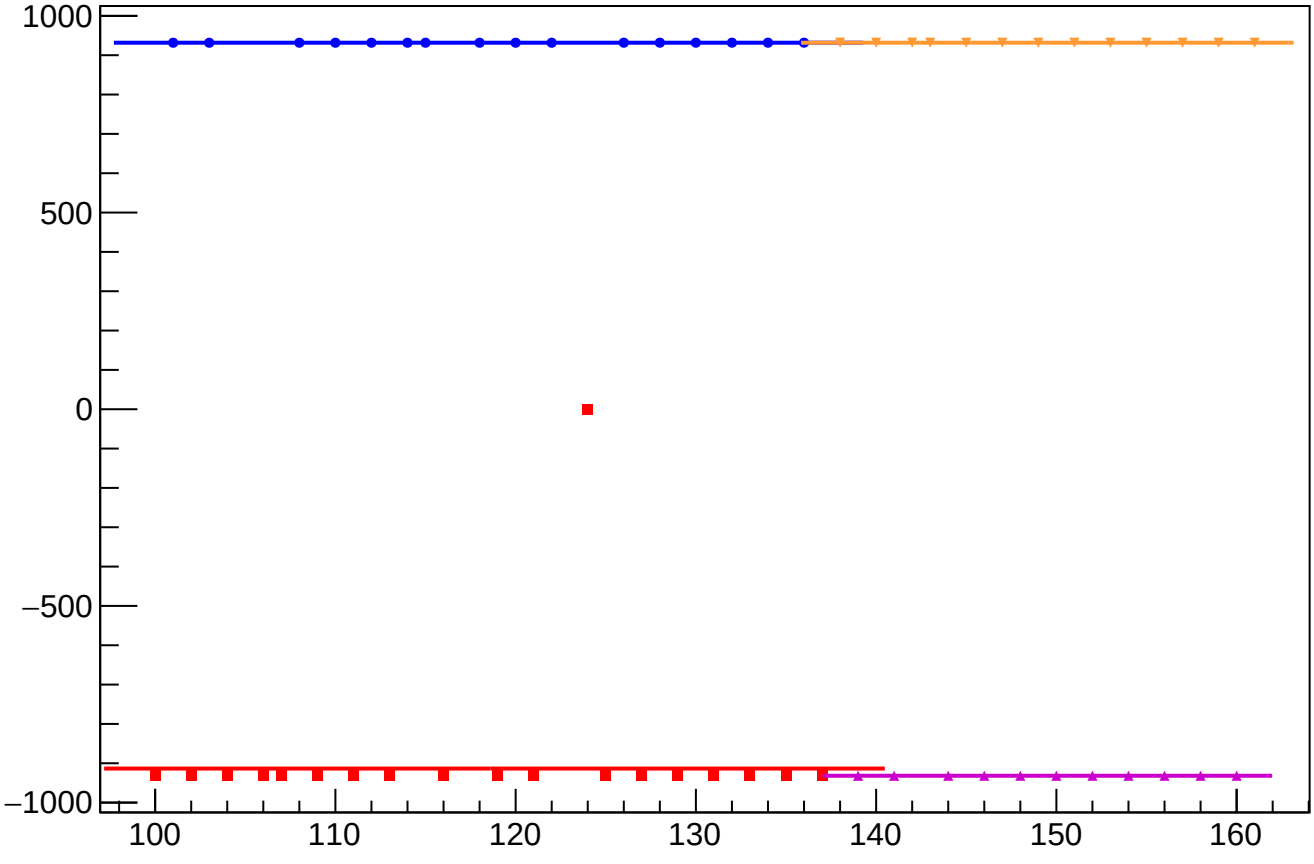
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.002+/-0.000 χ^2/NDF:157250436381507266

All: 0.000+/-0.000 χ^2/NDF: 3143656546953

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:414425085529173604821416647065 6.0/12

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.773+/-0.000 χ^2/NDF:362687003840119287080015206809 6.0/10

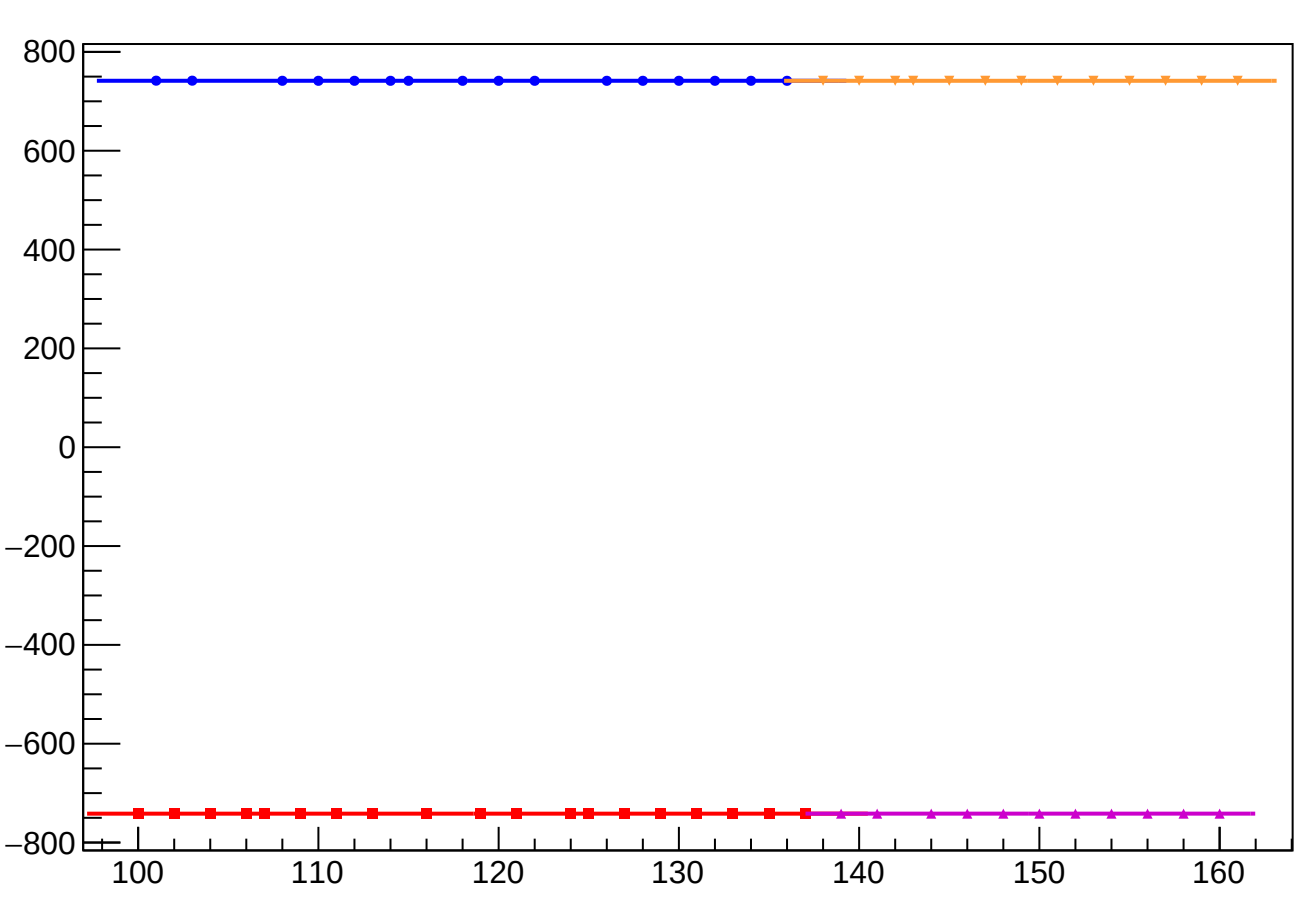
Left: 39.541+/-0.000 χ^2/NDF: 17974298641814014

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -135.415+/-0.000 χ^2/NDF:1473658099041958

Out: 168.275+/-0.000 χ^2/NDF:1535735442696001

All: 21.098+/-0.000 χ^2/NDF: 309181328759



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.518+/-0.000 χ^2/NDF:1116559813156762560500061962 24.0/12

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.519+/-0.000 χ^2/NDF:947795097279608587356859269 12.0/10

Left: 31.462+/-0.000 χ^2/NDF: 113833465846102 3

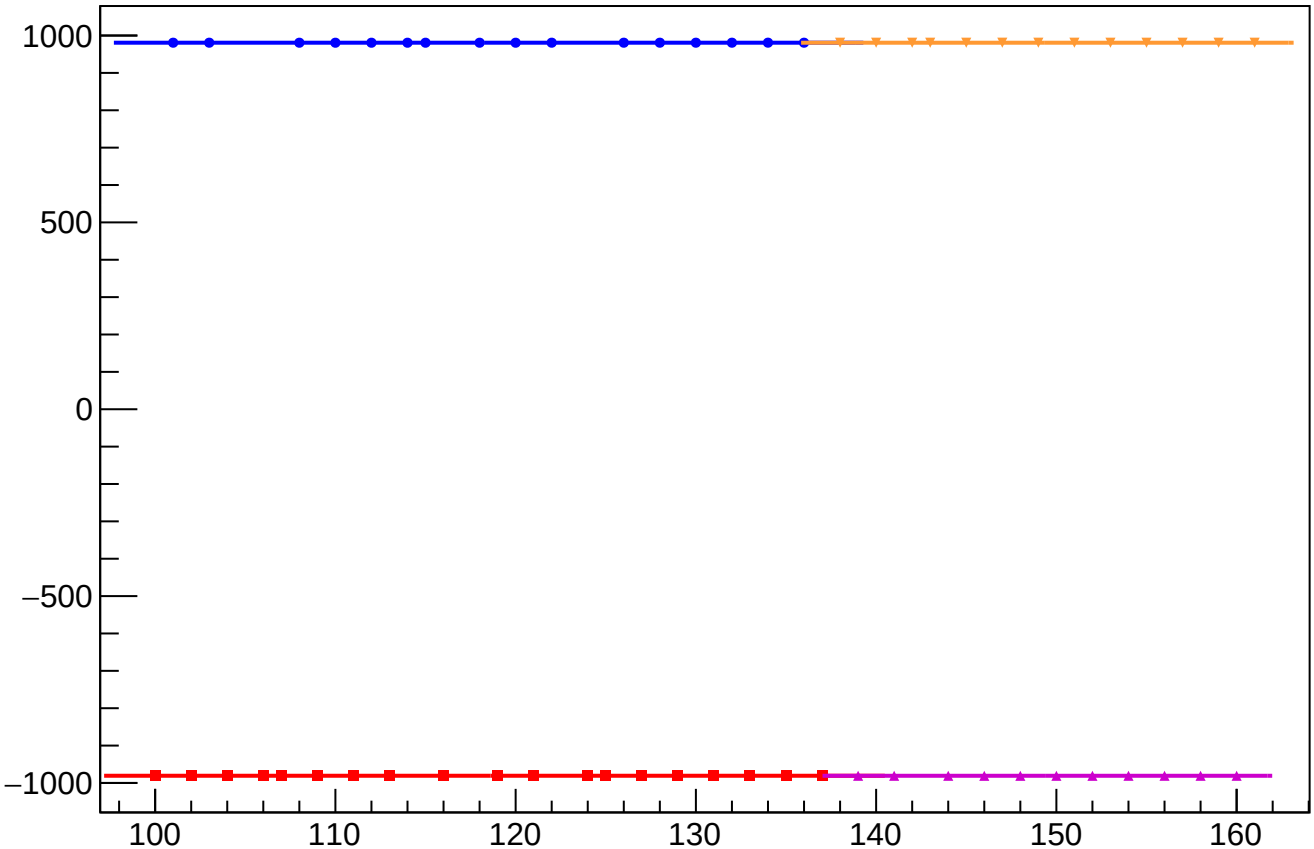
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -107.742+/-0.000 χ^2/NDF:933365721596712 2

Out: 127.851+/-0.000 χ^2/NDF:983846148149358 8

All: 13.676+/-0.000 χ^2/NDF: 196681368696 6

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.773+/-0.000 χ^2/NDF:611860689247900939238280003584.0/12

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.785+/-0.000 χ^2/NDF:11562692263969052418763401461760.0/10

Left: 41.609+/-0.000 χ^2/NDF: 19914460011970130

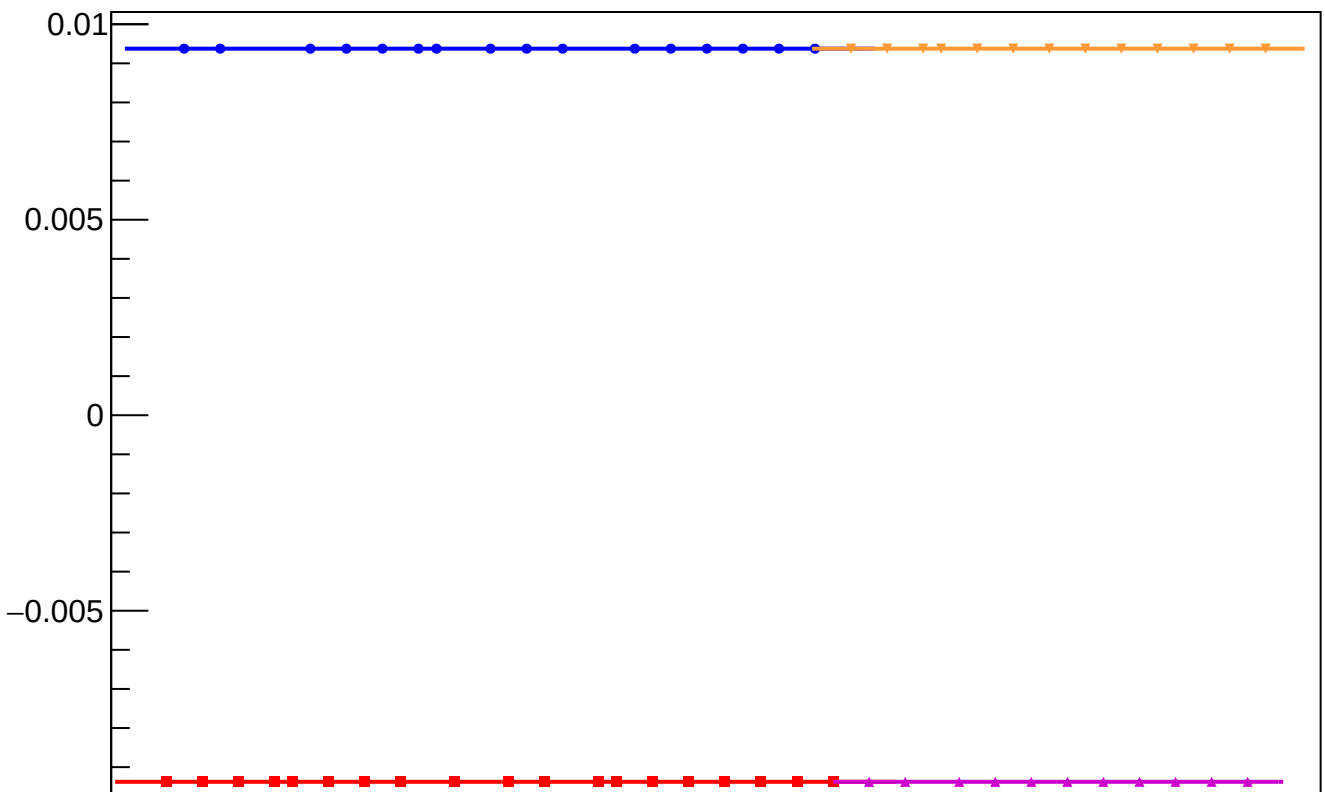
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -142.528+/-0.000 χ^2/NDF:1632804461437803

Out: 169.156+/-0.000 χ^2/NDF:1720937681688544

All: 18.105+/-0.000 χ^2/NDF: 3440557742060

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:0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/10

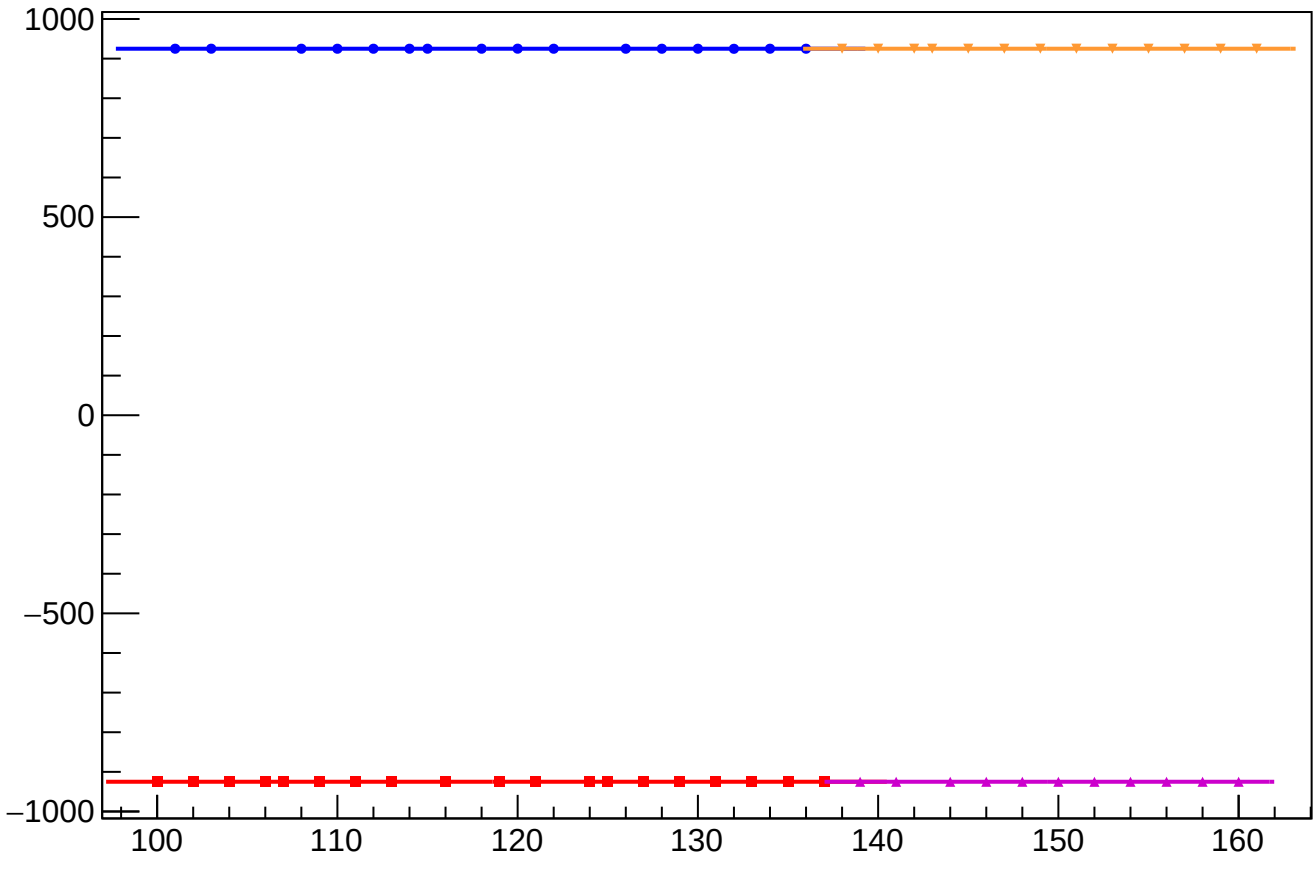
Left: 0.000+/-0.000 χ^2/NDF: 181956986047492078

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.002+/-0.000 χ^2/NDF:157250436381507266

All: 0.000+/-0.000 χ^2/NDF: 3143656546953



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.992+/-0.000 χ^2/NDF:624252938821048145924010803200.0/12

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.993+/-0.000 χ^2/NDF:532373844786563881516299976704.0/10

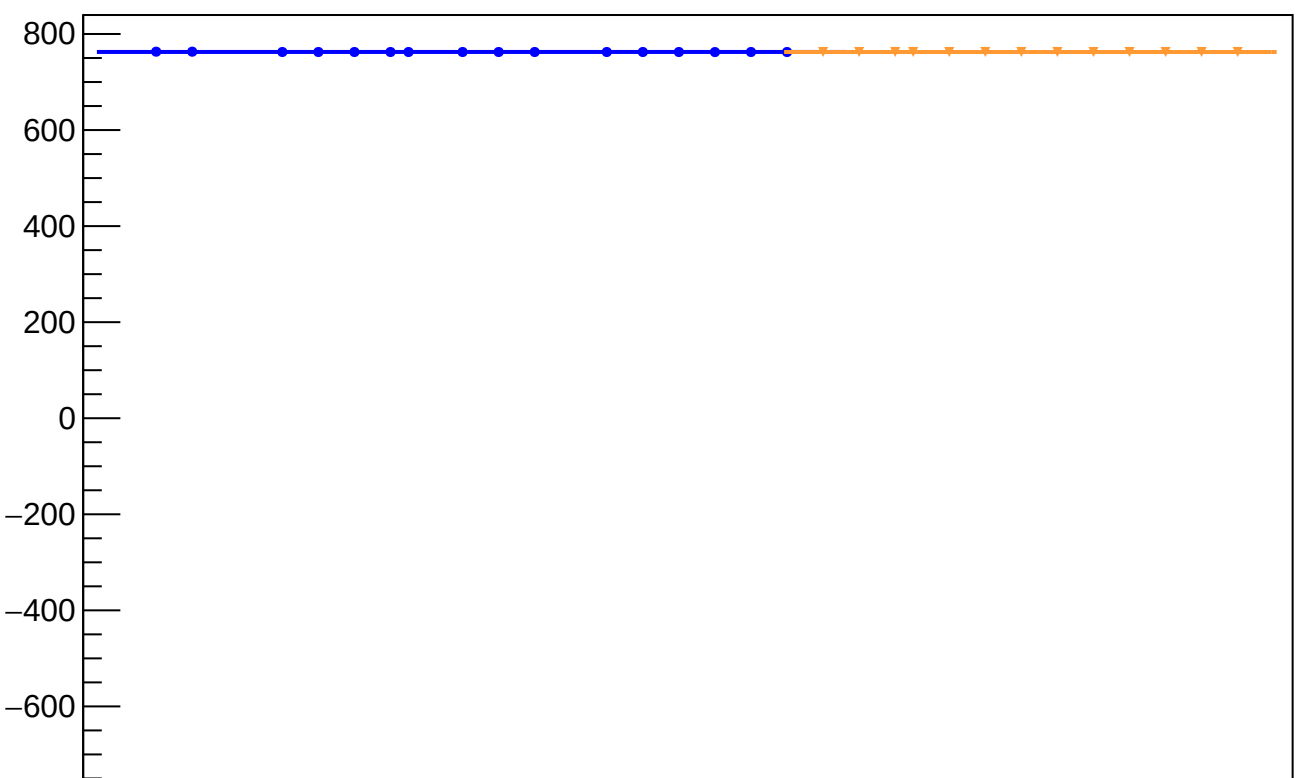
Left: 39.247+/-0.000 χ^2/NDF: 17713419781428114

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -134.439+/-0.000 χ^2/NDF:1452253935694858

Out: 159.523+/-0.000 χ^2/NDF:153079398861864

All: 17.061+/-0.000 χ^2/NDF: 306027223272



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.502+/-0.000 χ^2/NDF:144193856708519893197387726848.0/12

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.502+/-0.000 χ^2/NDF:68004402463480746583741431808.0/10

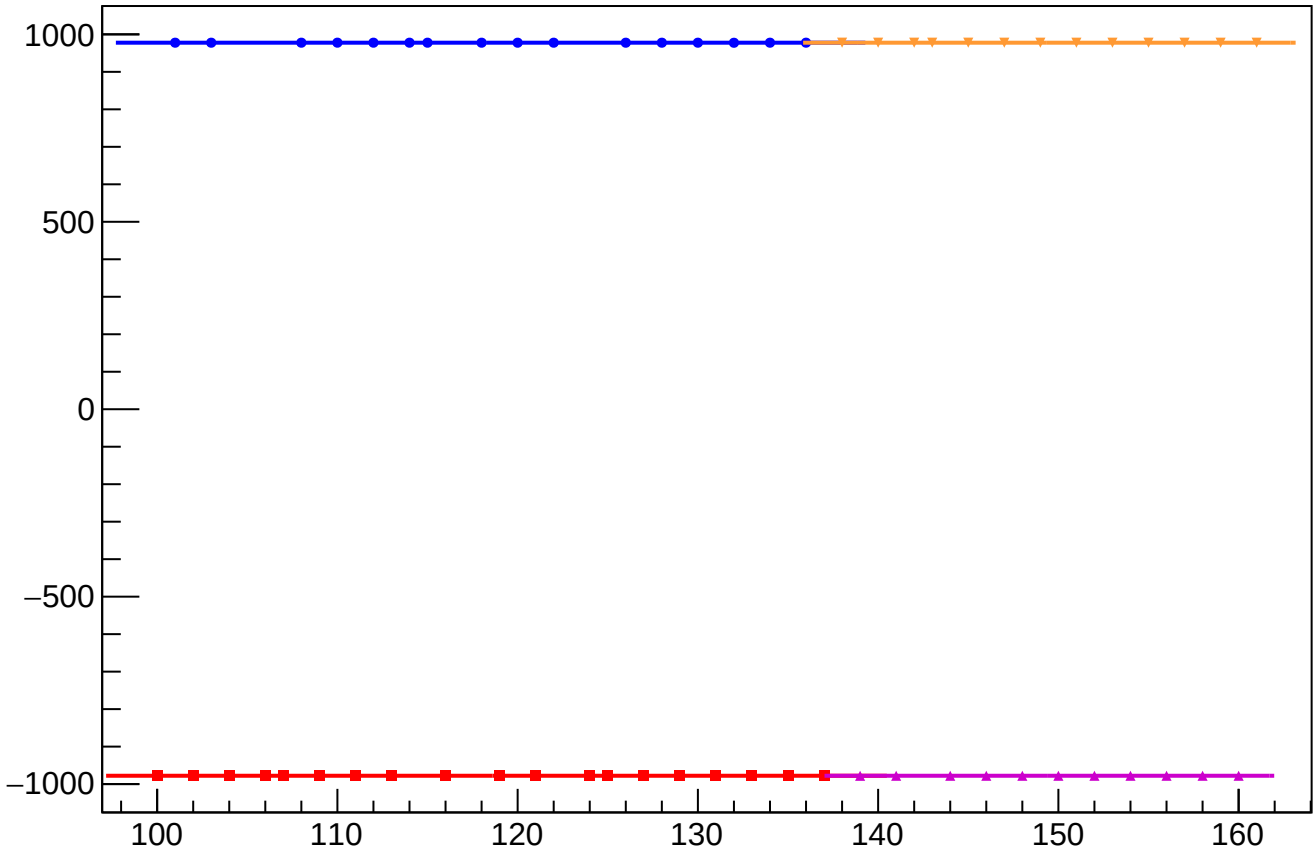
Left: 32.353+/-0.000 χ^2/NDF: 12036713983298825

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: -110.767+/-0.000 χ^2/NDF:9870111911095452

Out: 131.446+/-0.000 χ^2/NDF:1040392844158632

All: 14.063+/-0.000 χ^2/NDF: 207983225065



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.746+/-0.000 χ^2/NDF:964113558080841267488128761856.0/12

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.743+/-0.000 χ^2/NDF:936074880090076228355557949440.0/10

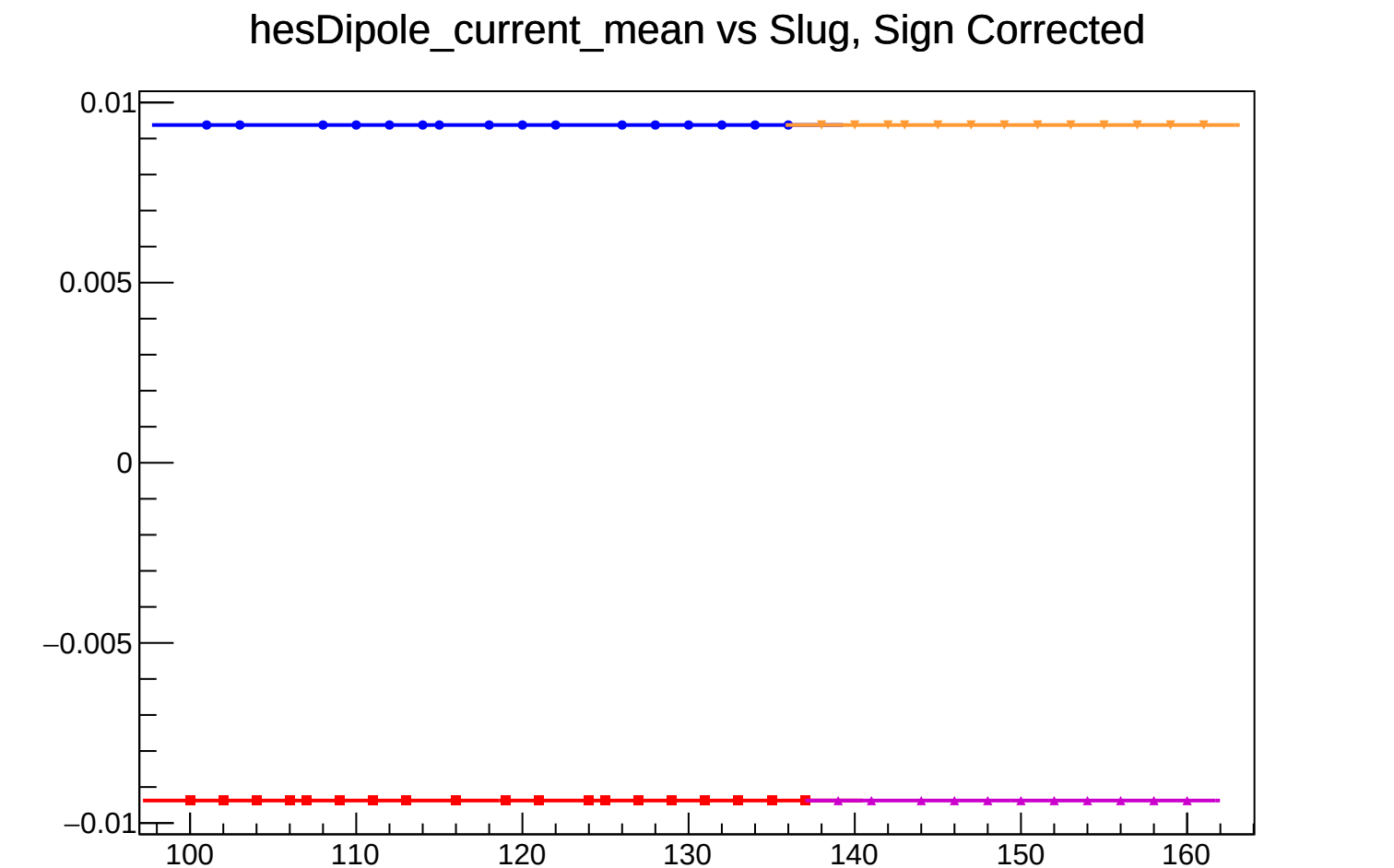
Left: 41.487+/-0.000 χ^2/NDF: 19791403898911545

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -142.091+/-0.000 χ^2/NDF:162267042096373

Out: 168.613+/-0.000 χ^2/NDF:171041641534798

All: 18.037+/-0.000 χ^2/NDF: 3419357527644



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/10

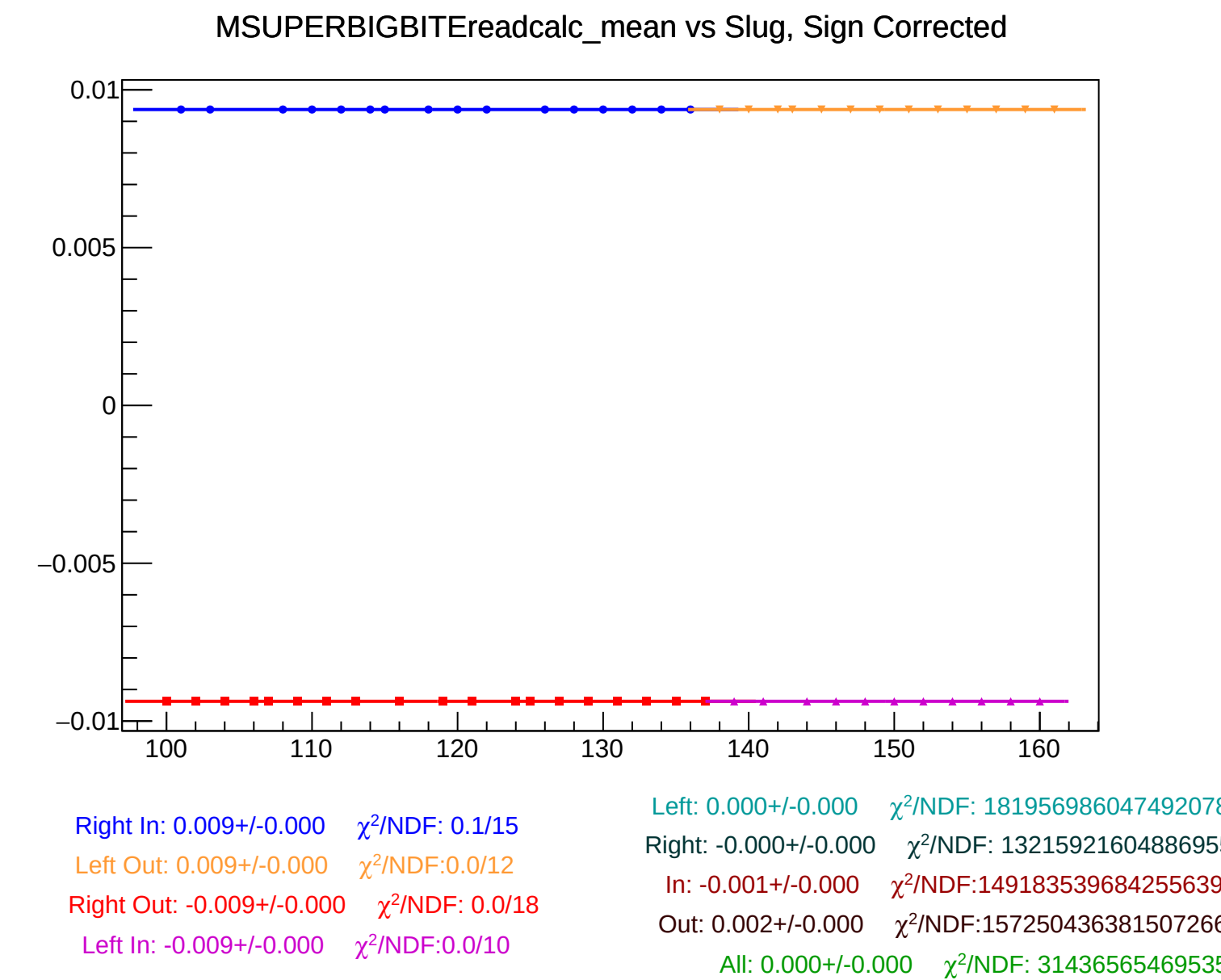
Left: 0.000+/-0.000 χ^2/NDF: 181956986047492078

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

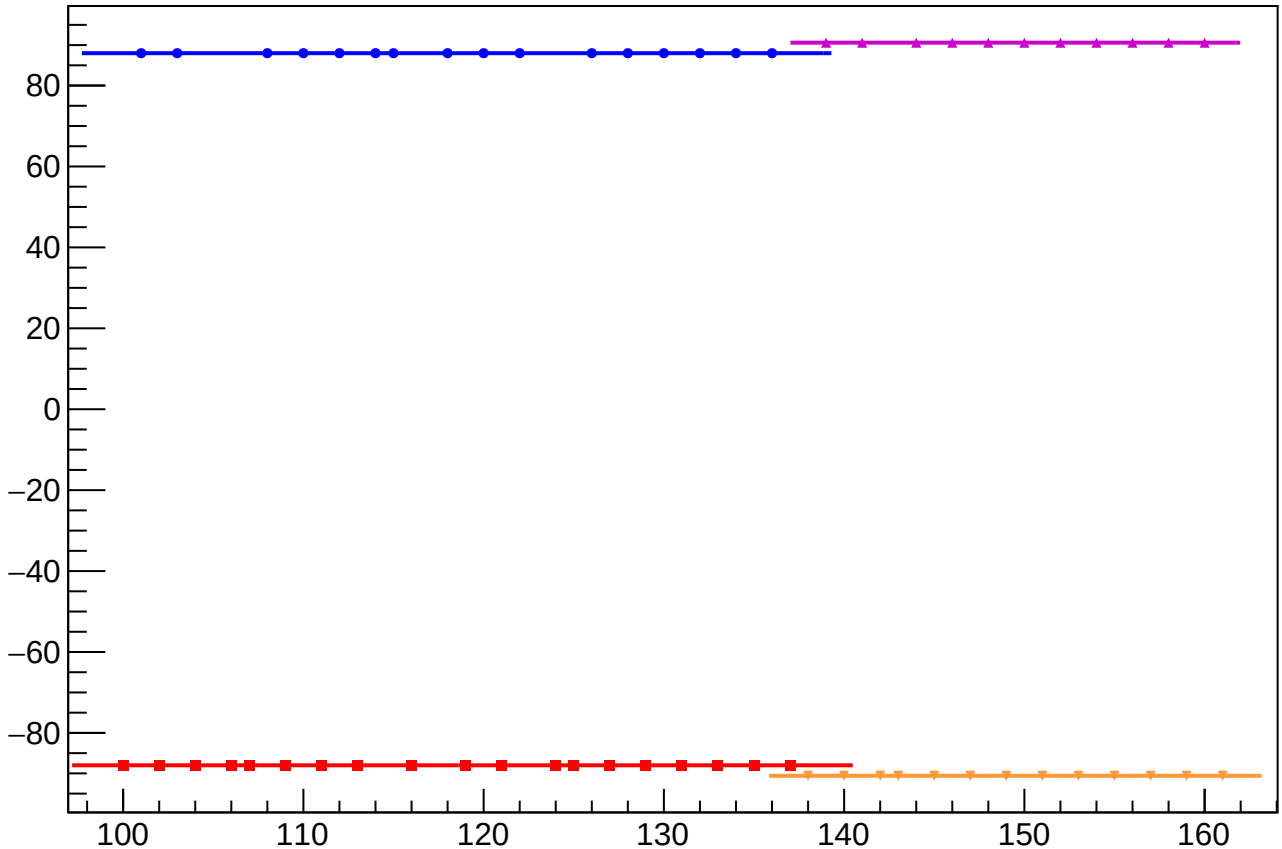
In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.002+/-0.000 χ^2/NDF:157250436381507266

All: 0.000+/-0.000 χ^2/NDF: 3143656546953


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/12
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/10
Left: 0.000+/-0.000 χ²/NDF: 181956986047492078
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.001+/-0.000 χ²/NDF:149183539684255639
Out: 0.002+/-0.000 χ²/NDF:157250436381507266
All: 0.000+/-0.000 χ²/NDF: 3143656546953

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:3019330.4/12

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:661381.0/10

Left: -3.844+/-0.000 χ^2/NDF: 16993226110583418

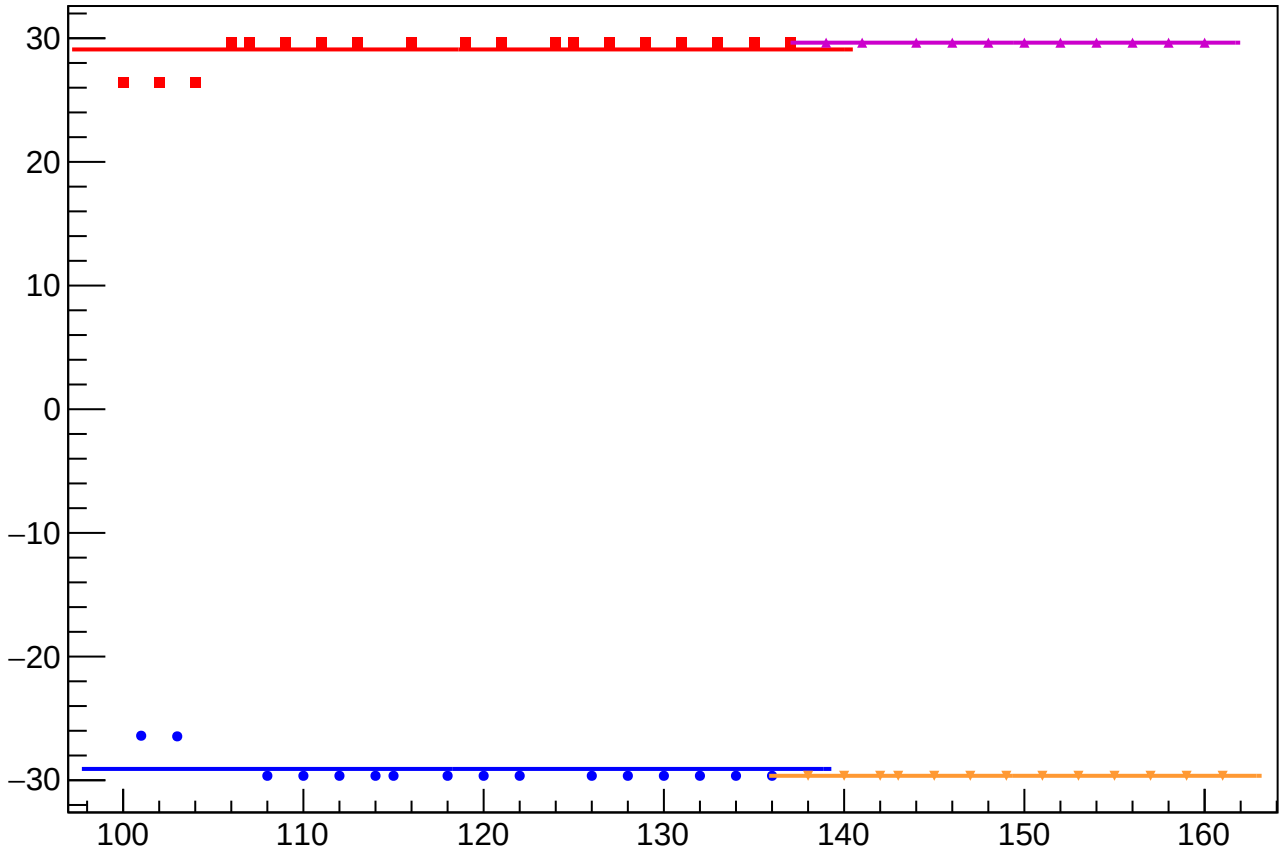
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.489+/-0.000 χ^2/NDF:286546522637573370

Out: -89.525+/-0.000 χ^2/NDF:3014202856092845

All: -2.770+/-0.000 χ^2/NDF: 2864394738097

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:185464.4/12

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:44037.4/10

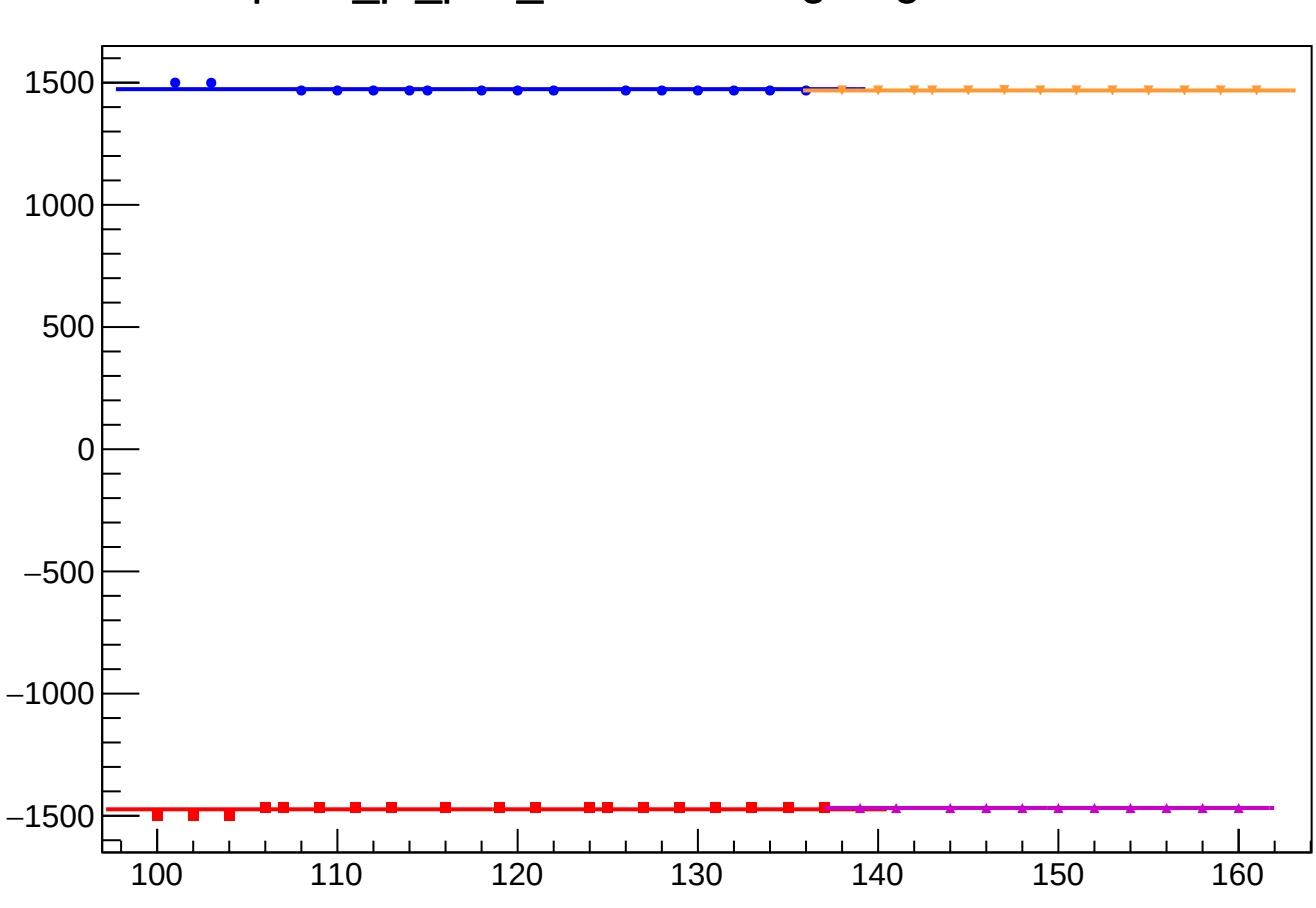
Left: -1.258+/-0.000 χ^2/NDF: 18188763870332051

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 4.545+/-0.000 χ^2/NDF:146455391604023809 3

Out: -5.338+/-0.000 χ^2/NDF:15441143836485001

All: -0.549+/-0.000 χ^2/NDF: 3095958025697



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.095+/-0.000 χ^2/NDF:1349630263781062257490705472552960.0/12

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.988+/-0.000 χ^2/NDF:98391137935120172986419642368.0/10

Left: 62.342+/-0.000 χ^2/NDF: 44617266023897816

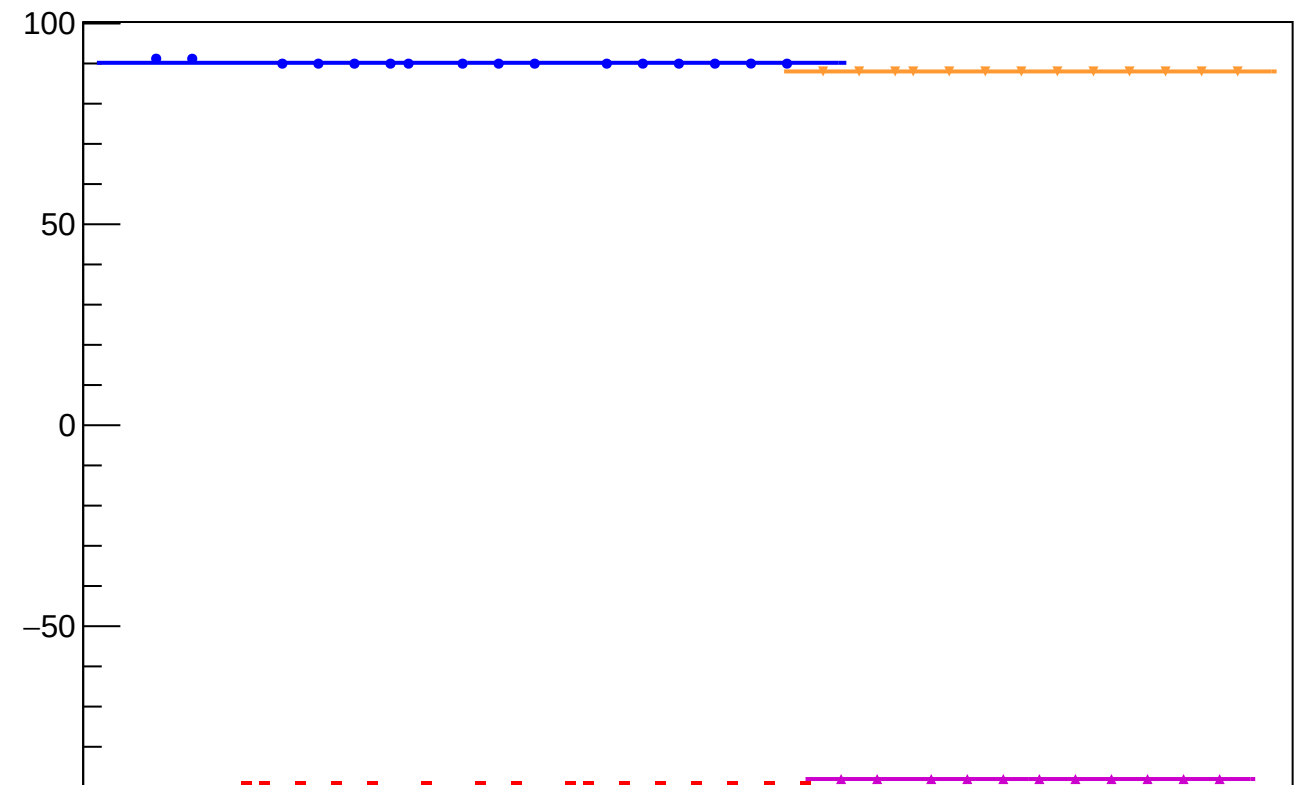
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -210.999+/-0.000 χ^2/NDF:3671602501421048

Out: 250.982+/-0.000 χ^2/NDF:3870221851541611

All: 27.093+/-0.000 χ^2/NDF: 7732554640467

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:2712974.7/12

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:1379711.4/10

Left: 3.735+/-0.000 χ^2/NDF: 160396855035446886

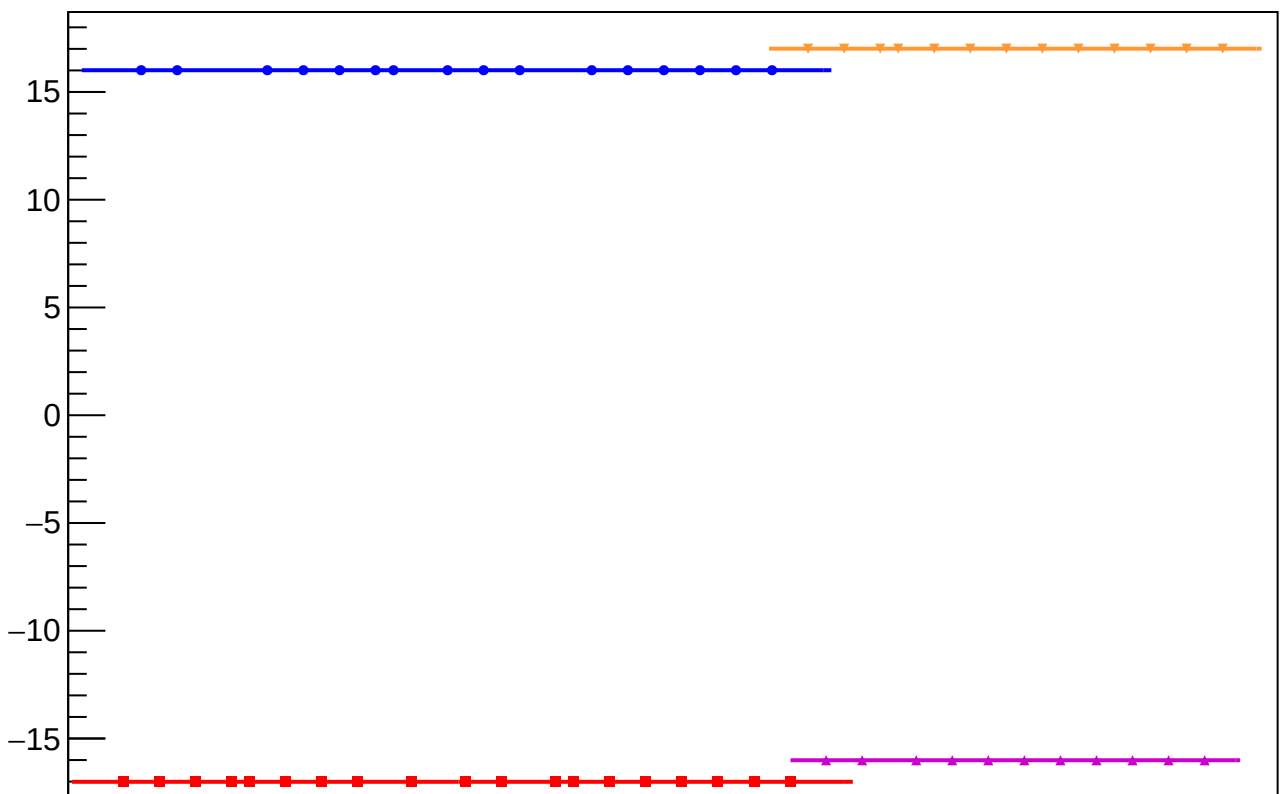
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -11.872+/-0.000 χ^2/NDF:13474325770437869

Out: 14.290+/-0.000 χ^2/NDF:14202319742617545

All: 1.611+/-0.000 χ^2/NDF: 28288339169812

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:1159998350247922947116236 8.0/12

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:104319.0/10

Left: 0.822+/-0.000 χ^2/NDF: 5173895293360691 49

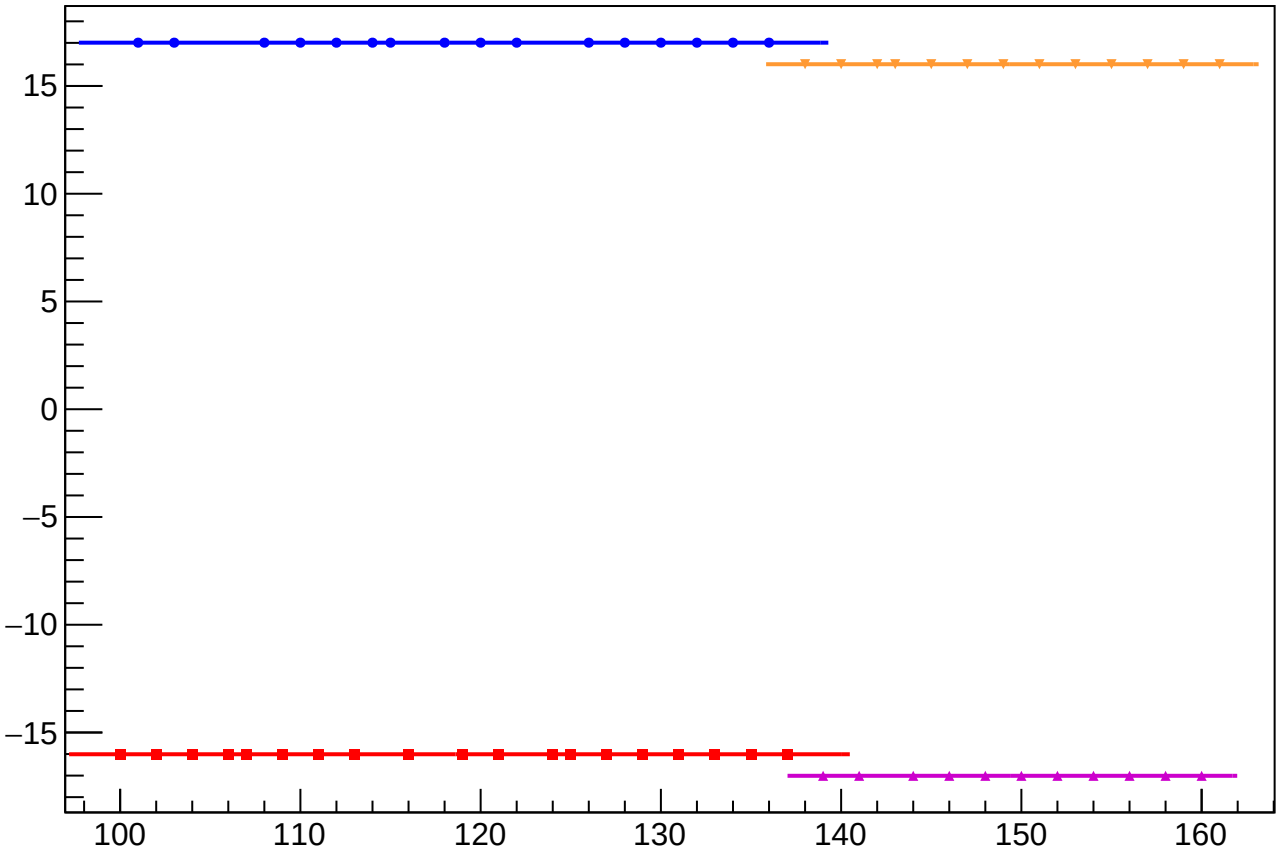
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: -2.245+/-0.000 χ^2/NDF:410307404879296714

Out: 2.816+/-0.000 χ^2/NDF:467379623596860014

All: 0.307+/-0.000 χ^2/NDF: 89877936522232

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:59057.3/12

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:17468.5/10

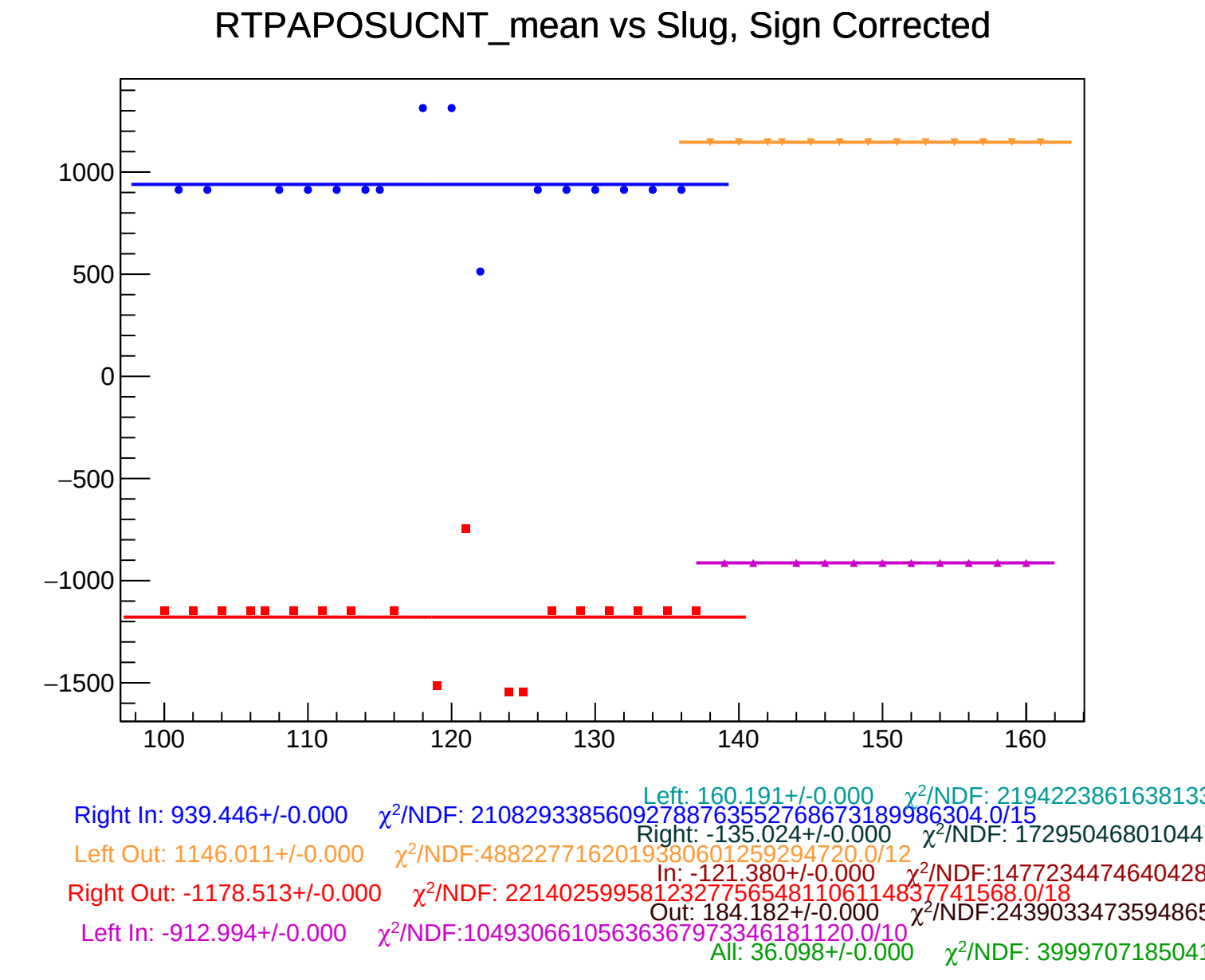
Left: 0.240+/-0.000 χ^2/NDF: 558167776480262898

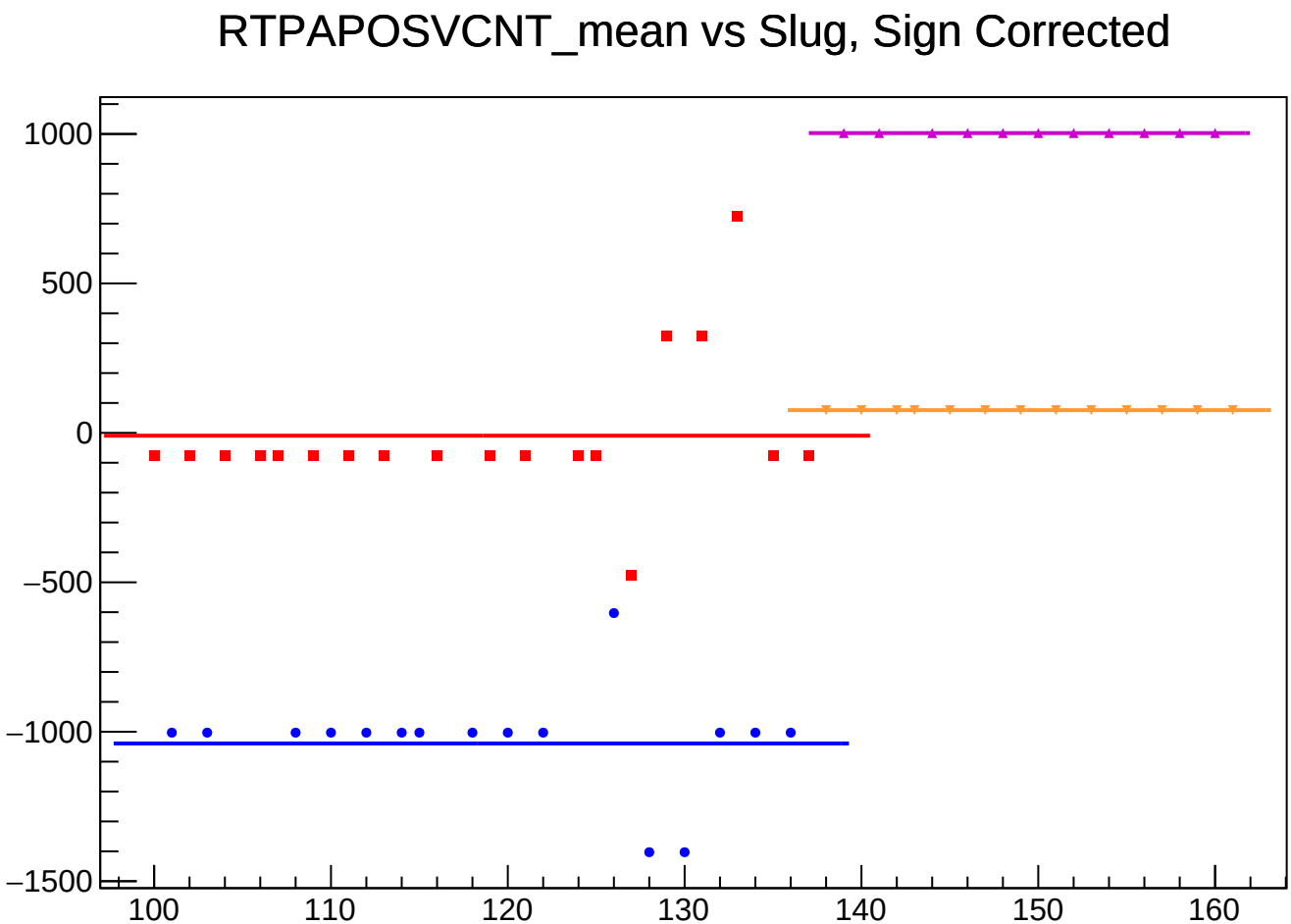
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -2.753+/-0.000 χ^2/NDF:47529922945085533

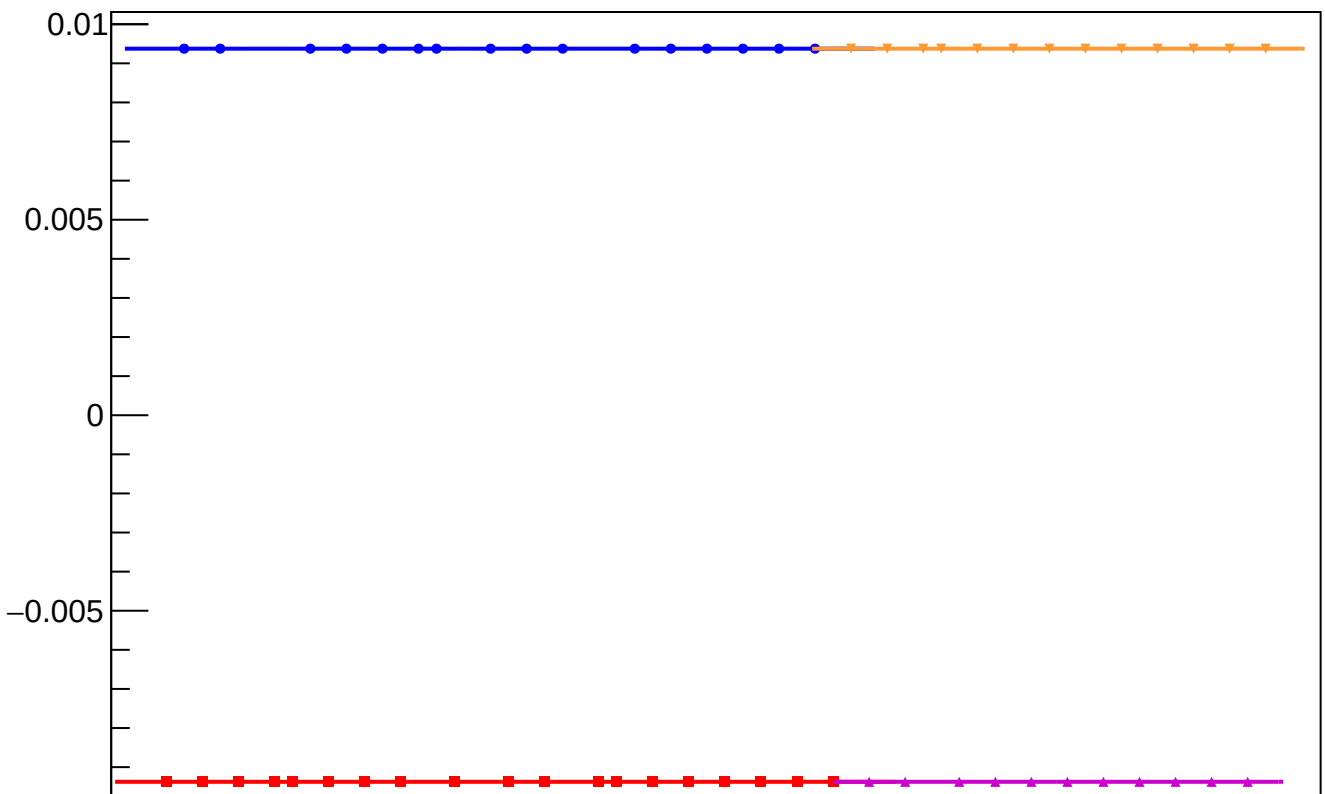
Out: 2.737+/-0.000 χ^2/NDF:455571936454465362

All: 0.104+/-0.000 χ^2/NDF: 95732797649509


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Left: 160.191+/-0.000 χ²/NDF: 2194223861638133
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
Left Out: 1146.011+/-0.000 χ²/NDF:4882277162019380601259294720.0/12
In: -121.380+/-0.000 χ²/NDF:1477234474640428
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Out: 184.182+/-0.000 χ²/NDF:243903347359486
Left In: -912.994+/-0.000 χ²/NDF:1049306610563636797334618112 0.0/10
All: 36.098+/-0.000 χ²/NDF: 399970718504


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Left: 519.834+/-0.000 χ²/NDF: 4447396538601136
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040.0/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.011+/-0.000 χ²/NDF:42276838928312307322087014400.0/12
In: 130.308+/-0.000 χ²/NDF:17925392110350580
Right Out: -9.430+/-0.000 χ²/NDF: 46057394734928766474893736526051540992.0/18
Out: 40.658+/-0.000 χ²/NDF:49322646851006387
Left In: 1002.990+/-0.000 χ²/NDF:151345769797738278229219737 6.0/10
All: 84.105+/-0.000 χ²/NDF: 184904428783

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:0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 181956986047492078

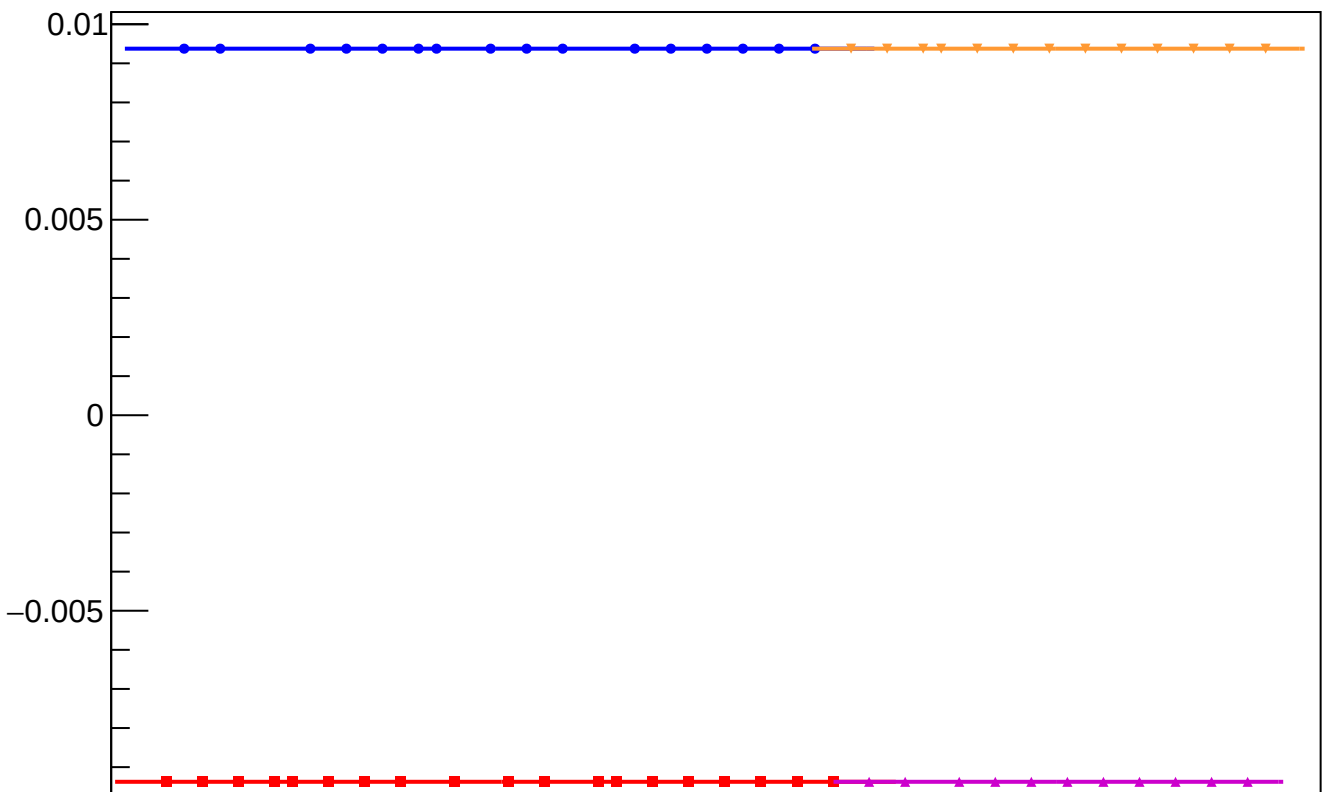
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.002+/-0.000 χ^2/NDF:157250436381507266

All: 0.000+/-0.000 χ^2/NDF: 3143656546953

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:0.0/12

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/10

Left: 0.000+/-0.000 χ^2/NDF: 181956986047492078

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.001+/-0.000 χ^2/NDF:149183539684255639

Out: 0.002+/-0.000 χ^2/NDF:157250436381507266

All: 0.000+/-0.000 χ^2/NDF: 3143656546953